

A

AABW. *See* Antarctic Bottom Water
AAIW. *See* Antarctic Intermediate Water
Abaco event, geology, 101B27:428–430; 29:467
Abakaliki uplift
 sedimentary instability, 159B10:95
 thermal history, 159B10:97–99
ABC system. *See* Angola-Benguela Current system
Abakurrie limestone (Great Australian Bight)
 biostratigraphy, 182B3:17
 equivalents, 182A2:8; 182B1:6; 4:11
Absecon Inlet Formation (New Jersey coastal plain)
 biostratigraphy, 150X_B10:118–120, 122;
 174AX_A1:38; 174AXS_A2:38, 40
 clay mineralogy, 150X_B5:60–63
 lithostratigraphy, 150X_B2:19–20; 174AX_A1:22, 24;
 174AXS_A2:29–31, 53
 stratigraphy, 150X_B1:8–10; 18:243–266;
 174AXS_A2:3
Abu Madi sands (Egypt), sediments, 160B38:496
Acadian orogeny
 muscovite, 210B4:4
 tectonics, 103B1:10
ACC. *See* Antarctic Circumpolar Current
ACGS unit (New Jersey coastal plain), lithology,
 150X_A1:23–24
ACGS#4 borehole
 biofacies, 150X_B16:207–228
 Oligocene, 150X_B8:81–86
 paleoenvironment, 150X_B17:239
ACZ. *See* Antarctic Convergence Zone
Adana Basin (Turkey SE)
 tectonics, 160A1:6; 160B54:750–759, 773–775
 See also Cilicia-Adana Basin
Adélie coast (Antarctica E), Antarctic Bottom Water,
 119B12:232
Adriatic Sea. *See* Dinarides Inner
Adventure Bank (Mediterranean Sea), tectonics,
 160A1:16; 4:73, 78
Adzhidere (Turkmenistan), virtual geomagnetic pole,
 121B43:385, 387
Aegean backarc basin system, tectonics, 160A1:5–6
Aegean Sea
 paleogeography, 160B50:672
 sandstone, 160B45:584
 See also Aegean backarc basin system; Evvia; South Ae-
 gean volcanic arc
Ægir Ridge (Norwegian Basin)
 physiography, 152A1:6–7
 seafloor spreading, 151B17:310
Aeolian arc (Tyrrhenian Sea)
 age, 107B1:26
 erosion history, 107B18:304
 oceanic crust, 107B38:640
 pyroclastics, 161B12:150, 152
 rare earths, 161B27:367–368
 seismic stratigraphy, 107A2:21
 subduction, 107B38:640
 volcanic province geographical setting, 107B18:292
 See also Salina Island

Aeolian Islands
 morphology, 107A2:9
 obsidian, 152B7:85–91
Afanasiy-Nikitin Seamount (Indian Ocean equatorial)
 comparison to Ninetyeast and Chagos-Laccadive
 ridges, 116B23:28
 deformation effects, 116B22:272
 emplacement, 116B23:281, 283
 gravity anomalies, 116B23:281–283, 286–288
 load models, 116B23:283–289
 location, 116A7:197–198
 sediment source, 116B17:208
 seismic reflection profiling, 116B23:282–283
Afar hotspot, Red Sea, 123B42:797
Afar Triangle-Bay of Aden rift system, volcanism,
 123B10:210
Afghanistan. *See* Zhob Valley
Africa
 aridification, 108B1:3
 biostratigraphy, 120B(2)62:1083
 clast lithology, 160B45:585–586
 climate cycles, 108B14:221
 geodynamics, 159B5:46–47
 glacial boundary changes, 108B14:222; 117B19:339
 mass accumulation rates, 159B43:600
 paleoclimatology, 160B19:327–328
 paleopoles, 159B20:203
 sandstone, 160B45:584
 seafloor spreading, 120B(2)50:920
 See also Kalahari region (Africa); North Africa
Africa E, active rifting, 121A1:8
Africa N
 aridification factors, 108B29:471–473, 477
 climatic evolution, 108B21:376–377
 Miocene–Pleistocene interval, 108B29:476–481
 North Atlantic sea-surface temperature, 108B29:465–
 466
 Pliocene, 108B9:147
 seasonal insolation heating, 108B29:464, 466
Africa NE
 lacustrine and deltaic sediments and hominid fossils,
 117B22:397–398
 monsoonal effects, 117A1:5
 Quaternary paleoclimatology shift from palynology
 data, 117B22:397–398
Africa NW
 climatic zones, 108A2:34
 depositional environment and glacial–interglacial cy-
 cles, 108B21:384
 upwelling cell, 114B36:673
 See also Cap Blanc
Africa S, Oligocene aridity and dust flux, 121B8:220
Africa-South America spreading center, plate tectonics,
 114B2:36
Africa SW
 biostratigraphy, 175A19:543–546
 color reflectance, 175A23:569–577
 microbial gases, 175A21:555–560
 Miocene–Pleistocene sedimentary record, 175B6:1–19
 organogenic dolomites, 175B15:1–17
 pore water, 175A20:547–553

- sedimentation rates, 175B9:1–23
sediments, 175B17:1–12
upwelling, 175A16:487–504
See also Kunene River
- Africa W
continental margin, 108A5:331; 159A1:5–16
lithogenic sediment sources, 108B15:241
monsoons, 159B40:554
paleoclimatology, 175B23:1–46
- African easterly jet
dust transport, 108B15:241, 244
glacial–interglacial cycles, 108B6:93
pollen transport, 108B6:96
Sahel/Sahara boundary, 108B6:94
wind variations, 108B15:255
- African–Eurasian convergence, Mediterranean Sea W,
107B38:660–661
- African/Eurasian plate boundary, tectonics, 160B41:527–
534; 51:688; 53:713; 54:730–731, 759
- African–Iberian plate, rift timing, 103A9:281
- African margin N, geology, 103B1:10–11
- African margin SW. *See* Cape transect
- African plate, 121B38:772
convergence, 161B44:557
crust, 160B54:727
Eocene–Miocene succession, 160B38:496, 498–499
extensional basins, 161A1:5–11
movement over South Atlantic hotspots, 115B1:5
plate tectonics, 114A3:29–30; 149B1:3–4
separation from Indian plate, 115B4:43
subduction, 160A1:5–6; 17:517; 160B51:688
See also Iberia/Africa plate boundary
- Agost (Spain SE), carbon isotopes vs. depth, 183B4:39
- Agrigan Island (Guam), large ion lithophile (LIL) elements, 125B16:303
- Aguate Formation (Costa Rica), volcanic provenance, 165A4:184
- Aguimes Formation (Canary Islands), placers, 157B12:169
- Agulhas Basin, 114A3:27; 11:622
“pinching,” 114A2:25
spreading centers, 114A10:550, 580; 114B1:5
tectonic maps, 177A1:40
tectonics, 177A1:5–6
- Agulhas Current
circulation, 177B(synthesis):16
eddy effect, 175B(synthesis):40–41
ocean circulation, 175A(introduction):10; 17:528, 531; 175B7:8
productivity, 175B18:3–4
See also proto-Agulhas Current
- Agulhas Current retroflexion
currents, 175A17:528, 531
ocean circulation, 175A(introduction):10, 19
paleoceanography, 189A1:13
- Agulhas Fracture Zone, 114A10:580; 11:622; 12:801
Antarctic Bottom Water, 114A8:365
interbasin circulation, 114B1:21
Meteor Rise intersection, 114B1:5
tectonics, 177A1:5–6
triple junctions, 114B2:37
- Agulhas Fracture Zone Ridge, spreading centers, 114A2:23; 3:27–31; 12:801
- Agulhas magnetic bight, tectonics, 114B2:36–37
- Agulhas Plateau, 114A6:152; 8:365; 114B2:36–37; 21:367
hotspot activity, 115B1:7
Maastrichtian water temperatures, 113B46:821
tectonics, 177A1:5–6
- Agulhas Ridge
paleoclimatology, 177B(synthesis):7
tectonics, 177A1:5–6, 20
- Ahu Ahu rhyolite (New Zealand), volcanism, 181B1:24
- Aikawa section (Japan Sea), diatom abundance, 127/
128B(1)17:316
- Aira-Tn (Japan Sea), tephra marker, 127/128B(2)48:796
- Aiya Varvara metamorphics (Mediterranean Sea), tectonics, 160B54:769
- Akamas Peninsula (Mediterranean Sea), lithofacies, 160B54:774
- Akita Basin (Japan)
lithostratigraphy, 128A1:17
Pliocene stratigraphy, 151B3:54
- Akita oil field, benthic foraminifers, 127/128B(1)22:381
- Akita-Yamagata oil field basalt (Japan), basalt comparisons, 127/128B(2)58:918, 921; 83:1339
- Akrotiri Peninsula (Mediterranean Sea)
fanglomerate, 160B43:556–560
geology, 160A9:290; 160B54:741, 743, 751
- Akseki carbonate platform (Turkey SW), tectonics, 160B54:750
- Aksu Basin (Turkey SW)
offshore geology, 160B54:737–738
tectonics, 160B54:749–750, 774
- Al-Mansour Seamount (Alboran Sea E)
postrift sediments, 161A1:15; 7:309
sediment sources, 161A8:362
sediments, 161B6:80
tectonics, 161A7:318; 161B7:95; 26:347–348, 352; 44:568–569
volcanic rocks, 161B44:574
- Alanya Massif (Turkey S), tectonics, 160B54:749–750, 766
- Alaska
glacial diamictites, 113B53:953
glaciation, 145B21:323
oceanography, 167B32:341, 370
Quaternary ice-free environment, 104B9:268
See also Bigbendian transgression; Covillian transgression (Alaska); Koryak Range
- Alaska Gyre
Neogene, 145B16:254–255
shifts, 145B21:322
- Alaska North Slope, gas hydrates, 164B19:180
- Alaska S. *See* Chugach Mountains; Gravina belt; Wrangellia Terrane
- Alaska SE. *See* Malaspina Glacier; Seymour Canal Formation
- Alaskan Stream, subpolar gyre, 145B21:323
- Alboran Basin
biostratigraphy, 161B13:164–169; 14:185–195; 16:223–237
brittle deformation, 161B25:331–344

- extensional basins, 161A1:8–9; 161B24:319–329
geochronology, 161B21:295–305
lithofacies, 161B2:21–36
Messinian basins, 161B43:543–551
metamorphic rock correlation, 161B23:307–317
metamorphism, 161B18:251–261; 19:263–279;
20:281–294
organic matter, 161B29:385; 30:391–400
origin and tectonic history, 161B44:555–580
sand provenance, 161B3:37–56
sedimentary sequences, 161B5:69–76; 7:83–97
See also Eastern Alboran Basin; group G2; Habibas Escarpment; Southern Alboran Basin; Western Alboran Basin; Yusuf Basin
- Alboran Channel, tectonics, 161B26:352–354
- Alboran domain
collisional tectonics, 161B23:310
orogenic belts, 161A1:7
sediments, 161B5:70–71
terrains, 161B44:557–558
See also Escalate group; Lújar-Gador group; Southern Alboran Basin; Trans-Alboran shear zones
- Alboran Island, basalt and andesite, 161B44:574
- Alboran Ridge
extensional basins, 161A1:8–9
tectonics, 161A9:399; 161B7:95; 26:347; 44:570
volcanics, 161A7:309
- Alboran Sea
bacteria, 161B34:433–438
crustal stretching, 161B44:576
extensional basins, 161A1:5–11
gases, 161A7:319
geochemistry, 161B28:375–379
Messinian, 161B42:529–541
Miocene subduction, 161B27:357–373
paleogeography, 161B44:556–559
pore water, 161B33:424, 426–431
Quaternary, 161B35:441–455; 36:457–468; 37:469–479; 40:505–518
sedimentation, 161B3:46–50
- Alboran Sea E. *See* Al-Mansour Seamount
- Alboran Sea NW
lithofacies, 161B4:57–68
See also Fuengirola Canyon
- Alboran Trough, extensional basins, 161A1:8–9
- Aldinga transgression (Woodlark Basin), planktonic foraminifers, 182B4:10
- Alentejo Basin (Portugal), tectonic units, 149B1:9
- Aleutian low, teleconnections, 167B32:371–372
- Aleutian margin, vein structures, 112B1:6, 8
- Alexander Island (Antarctic Peninsula)
chlorite-illite province, 178B8:9
clay mineralogy, 178B8:14
geology, 178B8:5
See also Rouen Mountains
- Alexander Island (Antarctica), radiolarians, 123B39:744
- Algarve Basin (Portugal), thin-skin tectonics, 149B1:13–15
- Algerian Current, sea-surface temperature, 161B39:490
- Algerian margin, brines, 161A9:405
- Alicante (Spain), wavy-laminated gypsum ponds, 107B13:189
- Alice shoal (San Andres archipelago), seismic units, 165B12:209
- Alika slide (Hawaii), glasses, 136B4:61
- Allaire borehole (New Jersey coastal plain), comparison to Island Beach borehole, 150X_B16:224
- Alleghanian orogeny, muscovite, 210B4:4
- Allison Guyot (Pacific Ocean central)
basalt alteration, 144B28:475–481, 484
carbonate clay mineralogy, 144B26:459–468
comparison with NW Pacific guyots, 144B53:945
foraminifer ooze, 144B41:684–685
origin and evolution, 144B53:942
thermal events, 165A4:151
- Almería Basin (Spain), Messinian, 161B43:543–551
- Almería-Cabo de Gata region, sediments, 161B6:80
- Almería Channel, sedimentation, 161B3:50
- Almería Platform
sediments, 161B6:80
tectonics, 161B26:347
- Alpine/Apenninic orogenic systems, nappe suite, 107B2:34
- Alpine chains, serpentinites, 103A8:124
- Alpine cycle, Sardinia-Corsica block, 107A3:37, 39
- Alpine fault (New Zealand), tectonics, 181A1:3–4, 7
- Alpine-Mediterranean Tethys, carbonate sediments, 123B39:751
- Alpine units, emplacement, 107B38:716
- Alps
French-Italian, Chenaillet Jurassic ophiolites, 125B18:333
lithology compared with Iberia-Newfoundland rift, 210B9:23–25
- Alps, ophiolites, 149A6:204
- Alps S, Cretaceous, 185B5:13
- Alpujarride complex (Spain S)
metamorphic rocks, 161A6:230; 161B20:290–293; 23:307–317
metamorphism, 161B19:274; 44:571
orogenic belts, 161A1:7
phase equilibria, 161B44:567
sediments, 161B5:70–71
terrains, 161B44:557
- Alpujata peridotite massif (Spain S), lithostratigraphy, 161B23:308–314
- Altiplano, geology, 201B19:3
- Altyn-Tagh fault (Asia), offsets, 127/128B(2)82:1325
- Alutom Formation, Mariana forearc, 125A1:6; 126B42:632
- Alvin Canyon fault (Santa Barbara Basin), sediments, 204B4:13
- Alvin hydrothermal zone
heat flow, 158A3:23–29
hydrothermal fields, 158A1:7–8; 2:16; 158B28:391
- Alvin* submersible (Middle America Trench), CORK-II, 205A1:36–37; 2:11–13
- “Amachron” units (Amazon Fan), hardpan, 155B13:245
- Amazon/aqua/purple/blue channel-levee system, lithologic units, 155A13:403

- Amazon Basin
 sedimentation, 155B7:153–154, 156
 vegetation, 155B25:411–418
See also Monte Oscuro
- Amazon/blue channel-levee system, lithologic units, 155A9:230
- Amazon/brown/aqua channel-levee system, lithologic units, 155A6:117; 16:487–488
- Amazon/brown/aqua/purple channel-levee system, lithologic units, 155A14:433
- Amazon/brown channel-levee system
 lithologic units, 155A12:362; 15:455, 457; 19:588; 20:622
 seismic facies, 155A20:621
- Amazon Channel
 continental margin, 155A1:5–8
 deposition, 155A21:645–646
 lithologic units, 155A15:445
 morphology and structure, 155A3:23–45
 sediments, 155A12:338
 turbidity currents, 155B4:53–78
- Amazon Channel downfan, lithologic units, 155A16:488–489
- Amazon Channel fill, lithologic units, 155A20:587–588
- Amazon channel-levee system
 geochemistry, 155A16:478
 lithofacies, 155B40:621, 627, 630, 633–635, 639, 644–646
 lithologic units, 155A6:117; 22:683
 microstructure, 155B26:427–432
 sedimentation, 155A16:471–472
See also Amazon/aqua/purple/blue channel-levee system; Amazon/brown/aqua/purple channel-levee system
- Amazon Fan
 bacteria, 155B36:565–571
 biostratigraphy, 155B21:367–373; 38:577–594
 carbonates, 154B12:190, 195–196
 clay mineralogy, 155B9:177–192
 compressional wave velocity, 155B29:477–493
 continental margin, 155A1:5–16
 diagenesis, 155B30:497–504
 fabric, 155B27:447–464
 geochronology, 155B22:375–378
 geology, 155A1:6–8
 grain size, 155B11:217–228
 hydrocarbons, 155B35:555–564
 iron sulfides, 155B37:573
 isotope stratigraphy, 155B16:281–303
 lithofacies, 155A4:79–108; 155B2:7–33; 40:611–651
 magnetic hysteresis, 155B13:245–249
 mass transport deposits, 155B19:335–351; 20:353–365; 28:465–475
 mud provenance, 155B8:169–176
 organic carbon, 155B33:531–538
 organic matter, 155B31:505–517; 32:519–530; 34:539–553
 paleoceanography, 155A2:17–21; 155B18:319–333
 paleomagnetism, 155B12:231–243
 palynomorphs, 155B24:397–409
 physical properties, 155B26:421–446
 physiography, 154A1:6
 rock magnetism, 155B14:251–278
 sedimentation, 154A9:421–422; 154B20:300–301, 314; 23:356; 26:391; 31:469–470; 155B41:653–675
 sediments, 154B36:507–526; 155B7:147–168
 seismic reflectors, 154A3:52
 seismic stratigraphy, 155A1:13–14
 shipboard vs. shore-based spectral data, 155B10:193–215
 stratigraphy, 155B39:595–609
 vegetation, 155B23:381–396
See also “Amachron” units; aqua channel downfan; aqua channel-levee system; blue channel-levee system; bottom levee complex; brown channel downfan; brown channel-levee system; channel-levee system 5; channel-levee system 6; gold channel-levee system; green channel-levee system; lower levee complex; middle levee complex; orange-1; orange-1 fan growth; orange channel-levee system; purple/blue/yellow channel-levee system; purple channel-levee system; purple/aqua fan growth; red channel-levee system; upper levee complex; yellow channel-levee system
- Amazon River
 continental margin, 155A1:5–16
 discharge, 155B17:312, 316
 sedimentation, 155B7:153–154, 156; 8:170
 sediments, 154B10:175
- Amazon Submarine Canyon, continental margin, 155A1:5–8
- Amazonian lowlands, cold-adapted vegetation index, 155B23:385–388
- Amboy stoneware clay (New Jersey coastal plain), photograph, 174AXS_A6:79
- Ambrym Fracture Zone (Vanuatu)
 faults, 134A1:13
 volcanism, 134A3:38
- American-Antarctic Ridge
 Atlantis II Fracture Zone, 118B21:361
 basalt geochemistry in a transform vs. ridge axis, 118B26:472
- American plate, plate boundaries, 151A1:5–6
- Americas’ path, geomagnetic poles, 136B3:48–50
- Amery depression (Prydz Bay)
 bathymetry, 188A1:5
 Holocene sediment accumulation, 119B42:747
- Amery Formation (Antarctica)
 alnoite sill and mafic dikes, 119B45:795, 804
 kaolinitic matrix, 119B13:247
 organic carbon content, 119B6:113
 redbeds, 119B45:797
- Amery group (Antarctica)
 correlation with Beacon supergroup, 119B45:795
 Lambert Graben correlation with Prydz Bay, 119A9:346
 palynomorphs, 188B2:6
 Permian sedimentary sequence, 119B3:53; 5:66
See also Flagstone Bench Formation (Australia); Radok conglomerate (Amery group/Antarctica)

- Amery Ice Shelf
basal melting, 119B5:62, 64
flow-line seaward divergence, 119B5:62, 64
freeze-on ice, 119B5:64
glaciology, 188A1:6–7
Permian strata, 119A2:9
position changes, 119B5:64
Prydz Bay, 119A2:7
regional geology, 119B1:5
shear and thinning, 119B5:62
sources, 119A8:290, 338
surface sediments, 119B42:749
See also Lambert Glacier-Amery Ice Shelf system
- Ammassalik (Greenland E), partial melting, 163B9:110
- Ampere Bank (Atlantic Ocean NE), compressive phases, 103A5:84
- Amphlett Islands (Papua New Guinea)
provenance, 180B(synthesis):12
sediment provenance, 180A6:32
tectonics, 180B(synthesis):4
- Amsterdam Island (Indian Ocean)
lava isotopic ratios, 121A15:526
paleolatitude, 121B39:802
tholeiitic basalt, 121A15:526
- Amsterdam-St. Paul hotspot. *See* Amsterdam/St. Paul Islands
- Amsterdam/St. Paul Islands (Indian Ocean)
basalt correlation, 121B30:562; 37:759
paleolatitude, 121B39:801
ridge-building plumes, 121B30:559
tectonics, 120B(2)51:933
- Amsterdam-St. Paul Zone. *See* Amsterdam/St. Paul Islands
- Amundsen Basin (Arctic Ocean), continental margins, 151A1:10
- Amur River, Japan Sea, 127/128B(1)5:69–70; 26:442
- Amuri limestone (New Zealand)
sedimentation, 181B1:39
tectonics, 181A1:4
- Amurian microplate, tectonics, 128A1:9
- Anaga Massif, reflectors, 157B2:27
- “Anatium” Island, lava, 134B20:398
- Anatolia. *See* East Anatolian fault; South Anatolian Fault Zone
- Anatolian plate boundary, tectonics, 160B53:718; 54:768
- Anaximander Mountains (Mediterranean Sea E)
carbonate platforms, 160B54:741
lithofacies, 160B36:459; 54:775
offshore geology, 160B54:736–737
- Anchor Dickinson gas #1 well (New Jersey coastal plain), lithostratigraphy, 174AXS_A1:21
- Ancona-Anzio line (Italy), tectonics, 107A3:45; 107B38:725
- Ancora Site (New Jersey coastal plain), 174AXS_A1:1–65
background and objectives, 174AXS_A1:4–5
biostratigraphy, 174AXS_A1:29–45
Late Cretaceous age vs. depth, 174AXS_A(summary):29
lithostratigraphy, 174AXS_A1:13–29
operations, 174AXS_A1:5–13
Paleocene/Eocene boundary, 174AXS_A(summary):34
site description, 174AXS_A1:1–65
site summary, 174AXS_A1:1–4
stratigraphy, 174AXS_A(summary):4–5, 36
strontium isotope stratigraphy, 174AXS_A1:45–46
summary and conclusions, 174AXS_A1:46
- Andalucía-A1 well (Granada Basin), subsidence, 161B5:73
- Andaman Sea (South China Sea), paleoceanography, 184A1:9
- Andarax River (Spain S)
sedimentation, 161B3:50
sediments, 161B6:80
- Andean arc, volcano-tectonic history, 112B28:478
- Andean Cordillera
continental margin, 155A1:5–16
erosion, 155B9:191
onshore-offshore structures, 112B7:96
provenance, 155B8:175
sedimentation, 155B7:153–154, 156
vegetation, 155B23:381–383
volcanism, 112A1:9
- Andean margin, formation, 112A1:5
- Andean orogeny
Miocene Nazca Ridge subduction, 112B28:478
Neogene, 112A15:474
Peru Trench, 112A17:597
plate convergence, 112A15:438
vertical motion, 112A11:197
See also Southern Andean orogeny
- Andean subduction zone, subcrustal erosion, 112A20:874
- Andes
Cenozoic geology, 141A3:23–31
sedimentation, 154B31:469–470
uplift and paleoclimatology, 202A1:26–30
uplifts, 202B1:16
volcanism, 201B19:3
See also Central volcanic zone (Andes)
- Andes-Antarctic Cordillera, geology, 114A5:122; 8:412; 114B2:31
- Andes foothills, El Niño events, 112A19:812
- Andes N, uplifts, 165A4:207
- Andes N-Central
volcanic cycles, 201B19:1–43
See also Southern volcanic zone
- Andros Island (Bahamas)
evaporite and dolostone, 101B13:194
shallow-marine environments, 101B27:426
subsidence, 101B28:443
- Anewetak Atoll (Pacific Ocean W)
biostratigraphy, 129B12:231
coccolithophorids, 144B7:144
correlation, 129B12:240
drilling, 144B45:769–771
flexure modeling of atoll and guyot pairs, 144B33:583
guyot origin and evolution, 144B53:939, 944
physiography, 144B33:562–564, 574–576
structure, 144A1:3
volcanism, 144A4:138
- Angola
age models, 175B(synthesis):64

- carbonates, 175B(synthesis):76
- sediments, 175A16:489
- See also* Bight of Angola; Lobito
- Angola Basin
 - dolomite, 175B15:1–17
 - geology, 208A1:4–5
 - lipids, 175B10:1–32
 - lithostratigraphy, 175A18:534–535, 541; 175B(synthesis):11–12
 - ocean circulation, 175A1:9–11
 - planktonic foraminifers, 159B27:337–338
 - Quaternary, 175B(synthesis):20–23
 - total organic carbon vs. age, 175A17:509
 - turbidites, 123B1:10
 - upwelling centers, 112A1:15
- Angola Basin S
 - drilling, 175A1:17
 - sediments, 175B17:3–4
 - upwelling, 175A1:17
- Angola-Benguela Current system
 - heat transfer, 175B23:3
 - hydrography, 175B11:3
 - upwelling, 175A1:18
- Angola-Benguela upwelling system
 - lithostratigraphy, 175A18:533–542
 - paleoceanography, 175A17:505–531
 - upwelling, 175A1:7–12; 175B3:1–16
- Angola Current
 - foraminifer dissolution, 175A11:320
 - hydrography, 175B11:3
 - lipids, 175B10:1–32
 - sediments, 175B23:13–15
- Angola dome
 - lipids, 175B10:1–34
 - upwelling, 175A1:16
- Angola margin
 - headspace gases, 175A21:557
 - lipids, 175B10:1–34
 - microbial gases, 175A21:555
- Angola-Namibia upwelling system
 - microbial gases, 175A21:556
 - ocean circulation, 175A1:9–11
 - upwelling, 175A16:487–504
- Angola transect, paleoceanography, 175A17:508–509
- Animal Basin (California margin)
 - color, 167B32:363
 - dissolution, 167A(1)5:103
 - paleoceanography, 167B8:141–144
 - sedimentation, 167A(1)5:110–112
- Anna de Koenig Seamount (Indian Ocean), plutonic rocks at shallow depth, 118B4:77
- Antalya Basin (Turkey)
 - conglomerate comparison, 160B43:563
 - Cretaceous–Paleogene succession, 160B32:413–414
 - lithofacies, 160B36:459
 - tectonics, 160A1:6; 160B54:773, 775
 - volcanism, 160B54:766
- Antalya complex
 - geologic map, 160B54:739
 - Mesozoic, 160B54:738–741, 769–770
 - offshore geology, 160B54:737–738
 - rift successions, 107B38:642
- Antalya travertine, geology, 160B54:737–738
- Antarctic-Australian continent, glaciation, 123B15:316
- Antarctic-Australian spreading center, magnetostratigraphy, 182A4:26
- Antarctic Bottom Water (AABW)
 - Bengal Fan sediment source, 116B18:216, 235
 - benthic foraminifers, 120B(2)34:617; 36:649; 199A12:19
 - carbonate preservation, 175B(synthesis):7
 - carbonate sedimentation, 138B1:14
 - Cenozoic, 208B1:5
 - circulation, 113B9:122; 53:938; 114A8:365, 411; 114B11:217; 33:609–610; 117A1:6; 120B(2)46:875; 127/128B(1)33:577
 - clay, 190/196B4:8
 - current intensity, 114A9:515; 12:801
 - currents, 105B25:432; 39:744
 - deep-sea hiatus in the Atlantic and Indian oceans, 119B48:874
 - deep water, 162A1:11
 - direction of flow, 108B1:3
 - downhole flow, 102A3:132–133, 142–143
 - Drake Passage opening, 114A6:154, 199
 - foraminiferal biostratigraphy, 208A8:18
 - formation, 117B12:246; 119B12:232; 38:694
 - glacial–interglacial cycles, 119B12:232
 - hydrography, 177A1:6–7
 - ice-rafted debris, 120B(1)14:216
 - intensified Miocene circulation, 114A8:412; 11:684
 - Jane Basin, 113B8:111; 45:803
 - Japan Sea, 127/128B(1)33:577
 - Kerguelen Plateau, 120B(2)36:650; 46:868
 - Kerguelen Plateau central, 120B(2)34:617; 36:649; 44:840
 - Labrador Sea, 105B51:980
 - lateral advection, 108B16:280
 - lithology, 159B43:587–588
 - mass accumulation rates, 154B7:139
 - Maud Rise, 113B49:865–866
 - Meteor Rise, 114A11:622
 - movement into Indian Ocean and sedimentation rate effects, 115A5:259
 - Neogene, 208A1:10–11
 - northward flow axis, 114A6:152; 8:413; 114B39:721
 - northward incursion, 112A14:399
 - ocean circulation, 165B17:255, 264; 172A1:7; 6:288; 172B(overview):6
 - oceanography, 154A1:6, 8; 154B13:202, 205–206; 19:285, 294; 20:299–300, 313; 22:331; 25:375; 27:396, 404
 - Oligocene hiatus association in Indian and Pacific oceans, 119B38:713–714
 - oxygenation, 124B29:380–382
 - paleoceanography, 181A1:3; 181B1:10
 - paleoredox conditions, 124B29:390–391
 - path, 114A5:93; 114B33:611
 - production rate in glacial–interglacial cycles, 108B11:157
 - sediment composition effects, 119A14:506
 - sediment transport from Antarctic shelf, 119A29:551
 - sedimentation on Meteor Rise, 114B33:630

- Site 748, 120A7:185
sources, 108A5:328; 120B(2)44:840
Southwest Indian Ridge fracture zones, 114A11:624
taxa, 120B(2)36:661
terrigenous sediment supply, 114A8:364
Vema gap flow, 121A13:470
Weddell Sea, 177A1:3
West Antarctica deglaciation, 114B25:468, 472;
26:479–480
See also proto-Antarctic Bottom Water
- Antarctic Circumpolar Current (ACC)
biogenic productivity, 120B(1)13:192–194
biosiliceous provinces, 114B19:337
Broken Ridge erosion and influence, 121A4:84, 90
circulation, 114A11:622, 684; 114B9:193; 12:236;
33:609; 120A5:84; 120B(1)13:179
Circumpolar Deep Water, 114A9:484
climate change, 177B(synthesis):10–11, 39
currents, 178A2:7; 178B10:8
definition, 120B(1)13:179
development, 113B5:65; 53:938, 952; 114A8:364
dinocysts, 189A5:34
Drake Passage opening, 114A6:152
drift deposits, 188A1:4; 188B1:5
effects, 120A5:84
Eocene–Oligocene transition, 189B1:13
Eocene shallowing, 114A6:199
evolution, 177A1:8, 29
gateway history, 189B1:17
glacioeustasy, 182B4:10
history, 189A1:1, 57–60; 189B1:21
hydrography, 177A1:6–7; 189A1:11
ice-rafted debris, 120B(1)14:216
increased velocities, 114B33:630
initiation, 113B45:803
Kerguelen Plateau, 120B(1)1:7; (2)36:650; 46:867
Miocene erosion, 114A5:113; 9:491, 515; 12:801;
114B25:465
Neogene, 177B(synthesis):19–23
Neoglacial, 178B34:7–8
oceanography, 202A1:4–6, 113
Oligocene, 121A2:18; 189B1:15
paleoceanography, 177B(synthesis):6–7; 181A1:3, 5–
10; 5:6–8; 6:9–13; 8:10; 181B1:1–111; 3:1–21;
183A3:6–7; 183B9:12
path, 114B33:611
Polar Front Zone, 114B33:610
productivity, 175B18:3–4; 23:26
progressive polar cooling, 119A6:124
sediments, 177A1:1–3
Site 751, 120A10:369–370; 120B(2)36:657
surface water cooling, 114A8:412
See also Deep Western Boundary Current/Antarctic
Circumpolar Current flow
- Antarctic Circumpolar Deep Water. *See* Circumpolar
Deep Water
- Antarctic Circumpolar Ocean
laminated diatom ooze, 138B30:644
silica productivity, 121B11:247
- Antarctic cold reversals, oxygen isotopes, 177B(synthe-
sis):45
- Antarctic Convergence Zone
Antarctic Surface Water, 119B10:185
biogenic productivity, 114B11:224, 227
calcareous biogenic deposition, 114A6:164
calcareous–siliceous transition, 119A2:124
circulation, 114A5:88; 6:152; 8:413; 10:582; 11:684;
114B9:193; 10:201–202; 12:235; 36:672;
120A6:106; 7:191; 120B(2)30:541
expansion, 114A11:687
geology, 105A4:210
ice-rafting, 114A9:484
location, 114A5:93
migrations, 114B11:227
movement through time, 119A5:124
northern edge, 114A10:550; 11:622
northward movement, 114A6:198; 114B9:197
palynomorphs, 188B2:10–11
seasonal variations, 114A8:364
Site 704, 114B36:672
upwelling, 114B11:224
- Antarctic Divergence (AD) Zone
circulation, 114B24:438; 25:460; 120B(1)13:179–180
Circumpolar-Coastal Current separation, 119B10:185,
187; 13:246
nanofossils, 188A5:17
ocean circulation, 188A1:6; 188B1:5
- Antarctic Ice Sheet
climate events, 177B(synthesis):39
development, 119A8:290, 303–304
flow lines, 119B5:69
geology, 178A1:1–60
glaciation, 178A2:1–44
growth model, 119B48:873
initiation, 119A8:340
summary, 188A1:1–65
- Antarctic ice volume, Oligocene, 199B1:11
- Antarctic Intermediate Water
calcium carbonate, 133B16:203–233
circulation, 133B19:263–264; 202A4:2; 202B1:27
clay, 190/196B4:8
correlation, 133B49:746
currents, 175A1:25; 175B12:2–4
density, 117A1:6
lithology, 159B43:587–588
meltwater contribution and oxygen isotopes,
117B17:300
ocean circulation, 165A1:9; 165B17:255, 264
oceanography, 202A1:5–6, 11
paleoceanography, 133B11:157–161; 181A1:1–2, 11;
4:18; 181B1:6–7, 57–59, 90–105
productivity, 175B18:3–4
silica content, 108B2:19
water masses, 133B14:185–186
- Antarctic margin
glaciation, 113A8:385
morphology, 113B4:43
site location, 113B9:122
three-dimensional models, 113B4:43
- Antarctic margin E
geologic provinces, 113B7:90
glaciation, 113A11:658

- ice sheet development, 113A9:462, 489; 113B53:955
- quartz-sand source, 113B7:98–99
- Antarctic margin W
 - geologic provinces, 113B7:90
 - glaciation, 113A11:658–659
 - ice sheets, 113A9:462, 489–490; 113B50:881, 892
- Antarctic Ocean
 - biostratigraphy, 178B13:1–22
 - carbon dioxide sink, 113B9:127
 - climatic change before Cretaceous/Tertiary boundary, 113B47:842
 - drill sites, 113B51:902
 - Miocene cooling and isotope changes, 113B50:890
 - Oligocene sea-ice formation, 113B49:875
 - Paleogene planktonic foraminiferal seasonal succession, 113B48:850
 - Paleogene stable isotope anomalies, 113B49:875–876
 - Paleogene warm saline deep waters, 113B49:874–875
 - seasonal thermocline changes, 113B48:861–862; 53:941, 948
 - stable isotope benthic foraminiferal data, 113B49:865
 - surface water temperatures, 113B47:843–844; 48:850, 859–861, 863; 53:937, 947
 - See also* Southern Ocean
- Antarctic offshore acoustic stratigraphy, drilling, 178A1:2
- Antarctic Peninsula
 - biostratigraphy, 113B51:902; 178B2:1–10
 - geochemistry, 178B4:1–12
 - geology, 178A1:4–5; 2:7–9
 - glacial history, 178B(synthesis):1–40
 - ice-rafted debris, 113A9:463; 178B11:1–23
 - Miocene cooling, 113B53:955
 - palynomorphs, 188B3:16
 - seismic velocity, 178B16:1–25
 - upper Pliocene impact, 178B9:1–6
 - See also* Alexander Island; Anvers Island; Gerlache Strait; Phoenix-Antarctic Ridge
- Antarctic Peninsula batholith, geology, 178B8:5
- Antarctic Peninsula margin, stable isotopes, 178B20:1–10
- Antarctic Peninsula Pacific margin, diatoms, 178B29:1–25
- Antarctic Peninsula W
 - magnetobiochronology, 178B36:1–40
 - magnetostratigraphy, 178B31:1–23; 37:1–61
 - spectral reflectance data, 178B21:1–22
- Antarctic plate
 - geology, 141A1:5–7
 - hotspot activity, 115A1:5
 - Kerguelen Plateau, 120B(2)50:917
 - magnetic anomalies, 141A9:337
 - rotation vectors, 130B43:700
 - sedimentation, 141B31:393–395
 - tectonics, 141A3:26
 - volcaniclastics, 141B10:133
- Antarctic Polar Front
 - paleoceanography, 181A1:1–80; 181B1:51
 - sedimentation, 183A3:6–7
 - temperature, 166B2:19
 - See also* Polar Front Zone
- Antarctic region
 - carbonate compensation depth, 114A12:801
 - climate change, 114B12:234; 31:595
 - erosion, 114A12:798
 - glacial–interglacial cycles, 114B12:234; 31:595
 - magnetic chrons, 114A12:798; 114B5:98
- Antarctic Sea, circulation, 120B(2)38:684; 39:734; 41:785
- Antarctic Series reflectors
 - climate changes, 130B44:718
 - Site 805, 130A7:269, 275–277
 - Site 806, 130A8:338
- Antarctic shelf
 - reverse deepening, 119A8:336
 - sediment transport by Antarctic Bottom Water, 119A15:551
- Antarctic Subpolar Front, oceanography, 202B1:27
- Antarctic Surface Water
 - currents, 178B7:2
 - Kerguelen Plateau central, 120B(1)13:180
 - Polar Front Zone, 114B33:609–610
- Antarctic timing, sea-surface temperature, 202B1:8
- Antarctic Water Mass, Site 747, 120A6:151
- Antarctic Zone
 - physiography, 178B8:4
 - surface water, 177B(synthesis):11
- Antarctica
 - alluvial-plain Permian development, 119B45:797
 - apparent polar wander path, 120A8:258–259; 120B(1)7:94–95
 - Aptian land masses, 113B23:345
 - biogeography, 177A1:3
 - biosiliceous-sediment migration, 119B48:874
 - break from Australia, 120B(1)1:7
 - carbon isotopes vs. oxygen isotopes, 165B18:281
 - chemical weathering effects on clay mineralogy, 117B9:206–207
 - Circum-Antarctic current's thermal isolation role, 119B10:201; 13:246
 - climate change, 119B6:122
 - continental extension, 120B(2)50:922
 - continental glaciation, 119B6:79–80; 38:693–694
 - continental shelf progradation in Oligocene–Miocene interval, 119B6:115, 122
 - continental shelves as source of cold deep waters, 113B47:842
 - correlation, 189B1:16–17
 - Cretaceous/Tertiary boundary, 113B47:844; 189A1:66
 - cryosphere, 113B53:937; 177A1:7–8
 - deep-sea record, 119B6:78
 - deglaciation, 119A1:10, 13; 119B6:120; 48:888–889
 - forests, 113B29:454–455; 36:604; 53:937, 945, 949, 952; 120B(1)18:273, 276; (2)56:1002
 - geology, 189A1:1–98
 - glaciation, 105A1:15; 108B12:183; 113B45:803, 807–808; 50:881; 53:948, 950, 952; 114B23:419; 32:606; 119B6:122; 18:870–873; 38:693–694, 715; 48:869–875, 882–883; 120B(1)12:161, 174; 56:1001–1007; 138B15:349–352
 - glaciomarine sediments reworking, 119B6:103
 - high-latitude cooling of deep waters in Eocene, 119B48:882–883

ice sheets, 105B25:423; 113A9:462, 489–490;
113B9:125; 49:866, 872–873; 50:889–890;
53:939, 953–954; 114B31:589, 595–596;
119B6:115–118; 120B(2):55:991; 189B1:2

ice-volume changes, 120B(1):14:207; 121B44:943

iceberg calving in Oligocene, 119B48:872

isotopic evidence of glaciation, 119B38:715

Kerguelen Plateau-Prydz Bay area, 119B23:417

Maastrichtian bottom water production, 113B46:821

Maastrichtian climate, 113B53:941

Miocene cryosphere, 113B53:954–955

nannofossils, 120B(2):64:1109

Oligocene paleotemperature, 119B48:872

Paleogene decline of surface water temperatures,
119B38:693

paleogeographic reconstruction, 119B45:804, 806

paleovegetation, 120B(1):18:263

palynology, 120B(1):17:263

palynomorphs, 188B3:12–13

polar wander paths, 119B43:767

preglacial conditions, 119B10:200–201

sea level changes, 119B6:122

seafloor spreading, 120B(2):50:920

silica, 105A4:163

sites drilled, 120B(1):12:162; (2):56:1002

“Strangelove Ocean” theory, 113B47:844

subglacial geography, 120B(2):56:1009

summary, 188A1:1–65

tectonics, 189A1:46–49

Tethyan sources, 119B38:713

weathering change at Eocene/Oligocene boundary,
119B10:199

See also Alexander Island; Amery Formation; Amery group; ANTOSTRAT; Australia-Antarctica-India juncture; Australian-Antarctic Basin; Australian-Antarctic deepwater flow gateway; Balleny Fracture Zone; Beacon supergroup; Bouguer Basin; Brabant Island; Bransfield Strait; Byrd ice core; Cape Adare region; Cape Darnley; Circum-Antarctic opal belt; CIROS-1; CIROS-1 Drillhole (McMurdo Sound); Cooperation Sea; Crescent Peaks Member; Dome Argus; Drift D1; Dundee Island; Ferrar Fjord; Filchner/Ronne ice shelf; Fisher Glacier; Gaussberg leucitites; George V Coast; Graham Land N; James Ross Island; Kaga metamorphics; King George Island; La Meseta Formation; Lallemand Fjord; Lambert Glacier; Legru Bay group; Marine Plain; Mawson Escarpment; McMurdo Sound; McMurdo Sound sediment and tectonic studies (MSSTS-1); Mellor Glacier; Mount Rubin; Pagodroma Gorge; Palmer Deep; Prince Charles Mountains; Prydz Bay; Radok conglomerate (Amery group/Antarctica); Ross continental shelf; Scotia Sea; Sirius Formation; Sirius group; Sirius till; South American-Antarctic margin; South Shetland Islands; Table Nunatak; Tasmanian–Antarctic Shear Zone; Transantarctic Mountains; Vega Island; Vestfold Hills; Victoria Land; Victoria Land Basin; Whalers Bay

Antarctica/Australia landmass, Eocene separation of low-pressure centers, 119B48:873

Antarctica E

alluvial-plains drainage and deposition, 119B3:53

Eocene glaciation, 119B48:875

geology of Lambert Glacier-Prydz Bay region,
119B7:137

glaciation, 119B6:118–120; 10:201

ice erosion and sediment transport, 119B6:133

ice sheets, 113B49:876; 53:937–938

India separation and rift structures, 119A2:9

Oligocene cryosphere development, 113B53:952–953

stratigraphic intervals, 119B6:119

synthesis, 188B1:1–42

See also Adélie coast; Dronning Maud Land margin; East Antarctic cryosphere; East Antarctic Ice Sheet (EAIS); Explora wedge; Radok Lake; Sørskal Glacier; Svenner Channel; Wilkes Land margin; Wilkes-Pensacola basins

Antarctica-India separation, Kerguelen Plateau origin,
119A2:5–6

Antarctica W

ice sheet development, 113B53:938, 955–956

Paleocene–Eocene glaciation, 119B6:79

See also West Antarctic Ice Sheet; West Antarctic Seaway

Anticline A (Hydrate Ridge), seismic units, 204B2:7–8

Anticline B (Hydrate Ridge)

seismic units, 204B2:6–7

tectonics, 204B2:9

Antilles Current, circulation, 101B23:334

Antique Ridge (Sulu Sea)

tectonics, 124A5:87; 124B23:323

volcanism, 124B34:464

ANTOSTRAT (Antarctica), drilling, 178A1:2; 2:3

Anvers Island (Antarctic Peninsula)

clay mineralogy, 178B8:13

seismic profiles, 178A2:41

Aoba Basin central

Cenozoic evolution, 134B2:26

tectonics, 134B2:20–21, 29–30

Aoba Basin N. *See* Bwatigau Formation; Marino Formation; Santa Maria Volcano

Aoba Basin S. *See* South Aoba Basin

Aoba Basin (Vanuatu)

basalts, 134A12:413–414

lava, 134B19:388–390

petrology, 134B19:375

volcanism, 134A3:38

See also North Aoba Basin western belt; South Aoba Basin

Aoba Fracture Zone, basins, 134A1:13

Aoga Shima Canyon (Izu-Bonin forearc)

bathymetry, 126A5:66

multichannel seismic survey, 126A4:54–55

sandy gravel, 126B42:640

unconsolidated volcanics, 126A5:75, 77

Aoga Shima Islands

basalts, 126B3:63

volcanics, 126B2:34

Aoga Shima rift, arc margin uplift, 126B42:646

- Apennines
 lithology compared with Iberia-Newfoundland rift, 210B9:23–25
 tectonics, 160A1:15
See also Scisti a Fucoidi
- Apennines arc, south-north merger, 107B38:725
- Apennines Central
 geology, 107A3:45, 49
 irregularities, 107A7:289
 sedimentary structures, 107A3:48
- Apennines N
 Canetolo nappe, 107A3:40
 Cervarola nappe, 107A3:42
 compressional fronts, 107A3:47
 foredeeps, 107A3:42
 Ligurian units, 107A3:39–40
 Mesozoic–Tertiary lithostratigraphy, 107A3:45
 piggyback thrust system, 107B38:726
 sedimentary structures, 107A3:44
 Tuscan nappe, 107A3:41–42
 Umbrian nappe, 107A3:42
 unconformities, 107B38:725
See also Livello Bonarelli
- Apennines S
 compressional deformations, 107A3:46
 foredeeps, 107A3:47, 51
 geology, 107A3:45–47
 Pleistocene–Recent vertical movements, 107A3:50
 subsidence, 107B38:722
 transtensional/transpressional faults, 107B38:726
- Apenninic margin
 isopach features, 107A2:34
 seismic stratigraphy, 107A2:19; 107B38:621
 tectonic history, 107A2:26, 30
- Apolos Formation (Cuba NW), lithofacies, 160B43:553
- Appalachians. *See* Brevard Fault Zone
- Apulia Escarpment (Italy SE)
 rejuvenation, 107B38:726
 tectonics, 160A1:15
- Apulian margin, Adria-verging deformation, 107B38:725
- Apulian plate, sequence stratigraphy, 143B10:151–153
- aqua channel downfan (Amazon Fan), lithologic units, 155A16:489; 155B40:627–628
- aqua channel-levee system
 channels, 155A3:33–34
 core-seismic integration, 155A6:117
 demagnetization, 155A16:474
 geochemistry, 155A16:478
 lithologic units, 155A11:308
 sediments, 155A11:296–297, 308
See also Amazon/aqua/purple/blue channel-levee system; Amazon/brown/aqua channel-levee system; Amazon/brown/aqua/purple channel-levee system
- Aquarius-1 (Australia NE), palynostratigraphy, 133B10:120
- Aquitaine Basin
 Cretaceous terrigenous shelf deposits, 103A9:240
 location, 103A7:119
 rift timing, 103A7:114
- Arabia. *See* Findlater jet
- Arabian margin
 tectonic history, 117A1:9
 tectonics, 160B54:759–760, 764, 769–770, 775–776
- Arabian Peninsula
 monsoonal effects, 117A1:5
 tectonics, 160A1:6
- Arabian plate, Cretaceous–Paleogene succession, 160B32:412
- Arabian Sea
 clay mineralogy, 117B8:183, 193–194; 9:198
 isotopes, 105B9:125
 monsoon, 117A1:5; 117B4:265; 124B28:376; 29:385; 184A1:13
 productivity with global vs. regional causes, 117A3:40–41
 radiolarian correlation with Peru margin assemblages, 117B5:138
 upwelling and oxidation-reduction effects, 115B41:767
See also Indrani Fracture Zone; Lakshmi Ridge; Owen Basin; Owen Fracture Zone; Seychelles Bank; Socotra margin
- Arabian Sea N. *See* Murray Ridge
- Arabian Sea W
 calcareous-biogenic sediments, 117A2:18
 clastic sediments, 117A2:17
 climate seasonal variations, 117A1:5–8
 eolian lithogenic input origin, 117B21:366
 Indus River runoff lithogenic input, 117B21:366
 meridional advective exchange, 117A1:6
 monsoonal climatic effects, 117A1:6–8
 oceanography, 117A1:5–6
 siliceous-biogenic sediments, 117A2:18
 surface waters and Ekman transport, 117A1:5
 terrigenous sediment transport, 117B9:198
- Arakapas fault (Cyprus), basaltic breccia, 107B38:654
- Arcadia Formation (Florida), deposition, 150X_B12:153
- Arctic Bottom Water, location, 104A1:17
- Arctic Canada. *See* Brodeur Peninsula; Bylot Island
- Arctic gateways
 biostratigraphy, 151B35:627–644
 Cenozoic paleoenvironments, 151A13:397–420
 geology, 151A1:5–26
 hydrocarbons, 151A12:385–395
 organic matter, 151B22:391–405
 paleoceanography, 151B26:449; 36:645–658
 paleoclimatology, 151B31:515–567
 physical properties, 151B34:595–626
 Pliocene–Quaternary interval, 151A13:419
 sea surface, 151B25:437–444
- Arctic Islands, geology, 105B3:45
- Arctic model, geology, 105A1:17–18
- Arctic Ocean
 biostratigraphy, 151B3:39–59; 8:153–167
 carbonates, 151B24:415–434
 gateways, 151B1:3–23
 ice-rafted debris, 104B6:210, 212
 natural gamma ray activity profiles, 151B20:369–376
 oceanic circulation, 151B13:248–249
 Oligocene–Miocene vegetation, 151B15:289–296
 paleoceanography, 162A1:5–20

- paleoclimatology, 151B36:654
plate tectonics, 151B15:292–293, 296
physiography, 152A1:6–7
tectonics, 151A1:5–26
water-mass exchange, 162A1:9–13
See also Amundsen Basin; Gakkel Ridge; Knipovich Ridge; Lena Trough; Lomonosov Ridge; Mohns Ridge; Morris Jessup Rise; Yermak Plateau
- Arctic Polar Front, circulation, 114B9:193, 197
Arctic water mass, circulation, 105B51:982
Arcto-Boreal region, biostratigraphy, 145B1:9
Ardana. *See* Kalagrai-Ardana unit
Argentina, volcanism, 201B19:3
Argentine Basin
 Antarctic Bottom Water migration into, 114A8:365
 ice-rafting, 114A11:687
 mud waves, 172A1:9
 oxygen isotopes, 113B46:821
Argentina Current. *See* Brazil-Argentine Current
Argo Abyssal Plain
 biostratigraphy, 120B(2)67:1087; 123B3:41–42; 17:369–371
 carbonate sedimentation, 123B39:752
 coring, 124E_A18:134
 Cretaceous paleoclimatology, 123B39:753–755
 depositional history, 123B1:46–48
 fan construction, 123A4:106
 fracture zones, 123B36:666–668
 geological setting, 123A1:4; 4:65–67; 123B7:151; 36:660, 662
 geomagnetic isochrons, 123B29:550
 heat flow, 123B27:515
 hemipelagic clay-to-turbidite transition, 123B43:805
 igneous geochemistry, 123B42:791
 Indo-Australian breakup event, 123B15:316
 Jurassic mid-ocean-ridge basalts, 124B22:319
 Jurassic opening, 123B39:753
 juvenile-mature ocean transition, 123B24:487
 magnetic lineations, 123B36:659, 664–668; 42:792
 oceanic crust, 123A4:247
 opening, 123B1:46
 paleoceanographic events 1–6, 123B39:752–755
 paleowater depth, 123B43:812
 proto-circumantarctic current, 123B15:315
 radiolarian claystone, 123B4:101
 radiolarian-rich sediments, 123B39:752
 radiolarians, 123B15:315–316
 seafloor spreading, 123B4:102; 43:810
 sediment source, 123B8:168
 sediment starvation, 123B1:46
 sedimentation history, 123A1:6; 3:48; 5:128; 41:788
 tectonic subsidence, 123B37:685, 687, 697
 Tethyan sediment sequences correlation, 123B6:147
 volcanic basement, 123B43:804
 See also Bowes Canyon; George Creek group; Swan Canyon
- Argo-II, hydrothermal fields, 158A2:16, 18–20
Argo “Ocean,” paleogeographic reconstruction, 123A1:3
Arguello Submarine Canyon, sediments, 167B22:258
Armorican margin
 faults, 103B41:745
 radiogenic heat, 149B44:675
 reflectors, 103A5:95
 rift timing, 103A7:111, 114; 9:279, 281, 295
 seismic reflection profiles, 103A11:546–547
Armorican Massif
 Variscan basement, 149B1:7–8
 See also Iberian-Armorican arc
- Arsos Formation (Cyprus), Oligocene–Miocene succession, 160B54:744
Ascension Island (Atlantic Ocean S), tholeiitic basalts, 121A15:526
ash marl (New Jersey coastal plain), Eocene, 150X_B16:209–210
ash Zone 1 (Atlantic Ocean N)
 sedimentation, 151B17:326–327
 sediments, 151B25:438–442
ash Zone 2, sedimentation, 151B17:325, 327
Ashizuri Canyon (Nankai Trough), seismic profiles, 131B27:339
Ashizuri transect (Nankai accretionary complex)
 clay mineralogy, 190/196B6:3
 sedimentation, 190/196B1:8–9
 transects, 190A1:1–87
Ashmore Platform (Australia), geology, 123B37:689, 693
Asia
 albedo changes, 117A1:8
 sandstone provenance, 127/128B(1)7:110–111
 See also Altyn-Tagh fault
Asia E
 global climate, 184A1:1–77
 margin breakup, 124B3:39–40
Asia NE, glaciation, 145B21:323
Asia SE
 margin rifting, 124B3:47
 tectonics, 124B4:51–52
Asian accretionary wedge, emplacement onto greater India, 121A1:16
Asian monsoon system, global climate, 184A1:1–77
Asifabad intertrappean beds (India), paleoryctic mammals, 121B39:818
Aslantas Formation (Turkey), tectonics, 160B54:758
Aslantas-Iskenderun Basin, tectonics, 160B54:758
Aso-4 (Japan), sediments, 127/128B(1)33:581; (2)48:796
Aso Volcano, volcanic ash layers, 128A4:157
Assam Bengal Fan (India), mineral correlation, 116B7:72
Astoria Canyon
 dispersal regional patterns, 168B2:61–62
 sedimentation rates, 168B2:52
Astoria Fan (Cascadia margin)
 abyssal plain sediment seismic units, 204B2:6
 clay mineralogy, 204B7:4
 comparison with Site 892, 146A(1)7:318–319
 dispersal regional patterns, 168B2:61–62
 sedimentation, 146B(1)1:13
 See also Fault System E; Fault System F1; Fold F
Asturian Leonesian Zone W (Spain), geology, 103B1:6
Asu River group (Nigeria SE), slump folds, 159B10:99
Ata (Tonga-Kermadec arc)
 basalts, 135B28:510
 geochemistry, 135B24:392
 lava, 135B29:528–529

- morphotectonics, 135A(1)5:184–185
 - structural provinces, 135A(1)1:11
 - volcaniclastics, 135A(1)10:512
- Athalassa Formation (Cyprus), Pliocene channels, 160B37:478
- Atherton Tablelands (Australia), palynostratigraphy, 133B10:120
- Atitlan Caldera (Guatemala), eruptions, 112B30:469
- Atitlan I Caldera, volcanic provenance, 165A4:183
- Atlantic Abyssal Plain
 - basement ridge, 103B4:42
 - sedimentary processes, 110B3:23–25
- Atlantic Basin, Cretaceous turbidites, 103A9:240
- Atlantic Biscay margin, peridotites, 107B9:136
- Atlantic Bottom Water, relation to Celebes Sea, 124B33:452
- Atlantic Central Water, Site 703, 114A10:550
- Atlantic City 800-foot sand
 - aquifers, 174AX_A1:42
 - pore water, 150X_B25:343–354
- Atlantic City borehole
 - bathymetry, 150A1:6–7
 - biofacies, 150X_B16:207–228
 - biostratigraphy, 150X_B10:118–121; 11:135, 137–140
 - boreholes, 150X_B1:9
 - clay mineralogy, 150X_B3:49–57, 61
 - core recovery, 174AX_A1:15
 - diagenesis, 150X_B3:27–28, 30–31
 - diatoms, 150X_B13:161–165
 - magnetostratigraphy, 150X_B22:298–301
 - Miocene, 150X_A1:16
 - Oligocene, 150X_B8:81–86; 15:192
 - pore water, 150X_B25:343–354
 - sediments, 150X_B24:317–341
- Atlantic City Formation
 - biostratigraphy, 150X_B10:119, 122; 174AX_A1:38
 - calcareous nannofossils, 174AX_A1:38
 - clay mineralogy, 150X_B5:60–63
 - lithology, 174AXS_A2:52
 - lithostratigraphy, 150X_B2:20–21; 8:81–87; 174AX_A1:20–21, 23; 2:25–27
 - nannofossils, 174AXS_A2:38–39
 - sediments, 150X_B4:50
 - stratigraphy, 150X_B1:7–10
- Atlantic coastal plain
 - clay mineralogy, 150X_B5:59–64
 - foraminiferal biostratigraphy, 150X_B10:111–127
 - magnetic susceptibility, 150X_B6:65–74
 - Oligocene–Miocene correlation, 150X_B12:147–159
 - Paleocene–Eocene interval, 150X_B9:91–110
 - stratigraphy, 174AXS_A(summary):1–38
 - See also* Hatteras Abyssal Plain; Morgan beds; Morgan beds sequence IVa; Ocean City aquifer; Pocomoke aquifer; Potomac Formation; Raritan Formation; Salisbury embayment; South Amboy fire clay; St. Marys Formation; Stone Harbor Formation; Wilmington Fan
- Atlantic coastal plain SE. *See* Carolina Rise
- Atlantic fracture zones, hydrogrossular, 125B18:333
- Atlantic hiatus, Neogene, 165B2:29
- Atlantic Iberian margin, peridotite, 107B3:44
- Atlantic margin E, Cretaceous terrigenous shelf deposits, 103A9:240
- Atlantic margin NW, basement, 103B1:10
- Atlantic margin W, Cretaceous terrigenous shelf deposits, 103A9:240
- Atlantic-Mediterranean water exchange, circulation, 161A1:13
- Atlantic Ocean
 - acidification event, 108B15:255–256
 - age-depth correlations, 108A2:49–50, 58; 108B8:122–124; 14:211; 25:427
 - atmospheric circulation, 108A2:34; 108B1:3
 - bathymetry, 108A5:329, 331; 6:411
 - biostratigraphy, 108A2:35–43; 3:114–118; 4:222, 228–232; 5:328, 336–340; 6:410, 415–419; 7:488, 492–496; 8:560–564; 9:620; 108B28:455–458; 120B(2)34:610
 - bioturbation, 108B17:300
 - bottom water formation, 104A1:5
 - Brunhes Chron hiatus, 108A3:106
 - Brunhes/Matuyama boundary, 108B12:174–176, 180; 27:442–444, 448
 - calcium carbonate, 145B21:315
 - carbon isotopes, 138B17:381–383
 - carbonate compensation depth, 124B33:449
 - climatic change, 108B22:391
 - climatic fluctuation and African monsoonal effects, 108B9:146–147
 - coarse-grained layers, 108B19:330
 - color cycles, 108A4:227–228; 108B18:311; 21:361–362
 - contourites, 108B18:318–319, 323
 - correlation, 108A6:410
 - deepwater circulation, 108B1:3
 - depositional environment, 108A2:35; 3:114; 4:228; 5:335; 6:415; 7:492; 8:561; 9:623; 108B17:306–308; 18:311
 - depth correlations, 108A3:136; 4:251–253; 5:357–358; 6:431–432; 7:505; 8:574; 9:620, 633
 - diagenesis, 108B22:392
 - downslope transport, 108B19:329
 - dust sources, 108B15:244
 - Early Cretaceous linkage of southern and northern parts, 207B1:11
 - east-west opening, 103B13:221
 - Eocene cooling trend, 119B6:201
 - eolian-marine sediments, 108B15:244–245, 248–249, 253–255
 - flux ranges, 108B22:393
 - gas content effect, 108A3:110, 112
 - geochronology, 108A1:16–17
 - geologic setting, 108A3:108; 4:224; 5:329–330; 6:411; 7:489; 8:558–559; 9:621
 - geology, 157A1:5–10
 - grain-size analysis, 108B18:315
 - hardgrounds, 108B8:124
 - hiatuses, 108A6:410
 - horizon H1, 108B17:302–303, 308
 - horizon H2, 108B17:303–306, 308
 - isotopes, 108B14:211–212; 120B(2)44:851; 121B22:447

- lithologic units, 108A2:31–32, 34–35; 4:222–223, 225–226; 5:327, 330–331, 335; 6:409–410, 412–415; 7:487, 491–492; 8:557, 560–561; 9:622–623; 108B3:106, 112; 17:297–300, 302; 21:361
- lithology, 108B8:121–122; 19:331; 22:391
- lithostratigraphy, 108A2:39–40; 4:222; 5:328, 336; 6:410, 413; 7:488; 8:560; 9:620
- location, 108A1:6; 2:32–33, 36; 3:105–106; 4:221, 223; 5:327; 6:409; 7:487, 489; 8:557; 9:620; 10:743; 108B1:4; 3:25; 4:36; 5:72; 7:114; 8:122; 9:144; 10:150; 14:212; 15:242; 17:298; 18:312; 19:330; 20:352; 21:362; 23:398; 28:460
- magnetic mineral postdepositional alteration, 108B25:418–419
- magnetostratigraphy, 108B25:415–418, 420, 423
- marker species, 108A2:56
- Matuyama/Gauss boundary, hiatus, 108B12:183
- Miocene–Pliocene hiatus, 108B19:329
- molecular stratigraphic study, 108B22:387–393
- nannofossils, 120B(1)21:361
- navigation plot, 108A14:972
- near-equatorial divergence signal, 108A7:489
- Neogene, 108B18:312, 319
- ocean circulation, 165B17:255, 269–270
- oceanic crust, 124B6:75
- orbital forcing, 108B8:131
- paleoceanography and paleoclimatology, 108A4:223
- paleoproductivity, 108B21:377–379
- pelagic and hemipelagic sediments, 108B18:312–314
- planktonic species data, 108B13:193–194, 198–201
- Pliocene/Pleistocene boundary, 124B10:149
- Pliocene–Pleistocene interval, 108B12:180–181, 183
- Pliocene unconformity, 108A3:112
- radiogenic isotopes in basalts, 118B6:131
- river input, 108B15:254, 257
- sea-surface temperature, 108A7:488–489; 108B13:188
- seafloor spreading, 138B6:84–85
- sediment ponds, 108A7:489
- sedimentary environment, 108B23:397, 399–405
- sedimentary evidence, 108B15:250–251
- sedimentation rates, 108B8:123
- sedimentology, 108A1:13–14; 2:32; 3:110–114; 4:225–228; 5:330–331; 6:412–415; 7:491–492; 8:560–561; 9:622–623
- seismic units and slumps correlation, 108A8:573
- sequential deposits, 108B18:316, 323
- siliciclastic sediment accumulation rate, 108B15:249
- siliciclastics, 108B20:252–253
- source areas, 108B17:306–307
- spectral analysis, 108B8:130–131, 139; 25:421, 428
- stratigraphy, 108A2:32; 3:106; 108B19:331
- summary, 108A3:111–112
- surface currents, 108A5:330
- surface water circulation, 108B1:3
- taxa, 120B(2)29:527
- Terms 1–2, 108B18:314
- Terms 2–4, 108B18:316–317
- transport mechanism, 108B17:306
- turbidites, 108B18:314–317, 320, 323–325; 19:329–330
- U^K₃₇ profile, 108B22:391
- underthrusting, 171A_A1:5–6
- upper Oligocene circulation, 202B3:5–6
- upwelling, 108B15:256
- volcanic episodes, 108B18:319
- well-logging, 108A1:25–26; 6:425, 427
- See also* Eastern Boundary Current; Mid-Atlantic Ridge; Modified Atlantic Water; North Atlantic Deep Water; North Atlantic Volcanic Province; Trans-Atlantic Geotraverse; Western Boundary Undercurrent
- Atlantic Ocean Central, transform-to-transpression changes, 125B38:630
- Atlantic Ocean Central N, stratigraphy compared with conjugate Iberia margin, 210A3:63–64
- Atlantic Ocean E
- sediment provenance, 180B6:22
- seismicity, 149B1:5
- See also* Eastern Atlantic Basin; Equatorial Atlantic Gateway; Gorringer Bank; Kane Gap; Nazare Canyon; Oporto Seamount; Pacific/Atlantic-type mixture; St. Paul Fracture Zone
- Atlantic Ocean E equatorial
- biostratigraphy, 159B27:335–345; 28:347–359; 29:363–373; 31:389–411; 32:421, 424; 33:433–444; 34:445–479; 37:509–523; 39:533–538; 44:605–610
- continental margin, 159A1:5–16
- Mesozoic, 159B35:481–490
- Miocene–Pliocene hydrography, 159B40:539–555
- Pliocene–Pleistocene interval, 159B41:557–583
- See also* Sierra Leone Rise
- Atlantic Ocean equatorial
- gateway opening, 207A1:13–14
- geologic history, 207A1:3–4
- geomagnetic polarity transition in the Jaramillo Subchronozone, 121B17:377–388
- morphologic map, 207B1:17
- See also* Romanche Fracture Zone; St. Paul Fracture Zone
- Atlantic Ocean N
- aragonite cycles and carbonate preservation, 115B29:561–562
- barium depletion in the last glacial episode, 117B23:417
- basalt and diabase clasts, 149B29:506–507
- bathymetry, 105A4:678–679; 210A1:39
- biostratigraphy, 124B12:171, 173; 127/128B(1)11:173; 129B13:252, 254; 149B8:209–210; 151B9:169–185; 35:627–644; 152B12:175–176; 162B3:35–49
- bottom water circulation, 104B1:5
- boundaries, 104B51:1051–1052
- carbon isotopes, 113B49:873
- carbonate cycles, 101B16:233
- carbonate paleoredox conditions, 115B39:709
- Cenozoic, 130B19:345; 151A13:397–420
- circulation, 120B(2)46:876
- correlation, 129B12:235; 152B14:204–205
- correlation with West Pacific, 130B9:113–136
- Cretaceous anoxic periods, 101B25:386
- Cretaceous paleoceanography, 149B13:299; 210B3:18

crustal age, 111B16:189
 deepwater circulation, 105A5:15; 105B6:718; 51:958
 deepwater temperature vs. equatorial Indian Ocean
 surface temperature, 121B15:304
 dissolved organic carbon, 117B32:534
 formation, 105A1:5
 fracture zone maps, 105A1:10
 gateways, 151B1:3–23
 geologic maps, 163X_A1:13
 geology, 210A1:12–13
 glacial–interglacial cycles, 104B10:267–268
 glaciation, 105A6:689; 151B32:569–582
 global cooling, 105B25:424
 ice-rafted debris, 104B6:212; 52:1116; 113B45:803
 ice sheet growth map, 105A1:16
 isotopes, 120B(2)45:855–858; 57:1004–1005
 lithostratigraphy, 124A12:315
 magnetic lineation map, 105A1:10
 magnetic polarity reversals, 124A10:149
 magnetostratigraphy, 162B(appendix):274–275
 Miocene, 105B25:423–424
 Neogene–Quaternary tephra, 104A4:82
 Neogene tephra, 104B18:365
 Norwegian Sea comparison, 104B9:262–263, 265
 ocean–atmosphere cycles, 124B29:386
 ocean circulation, 172A1:7
 ocean–continent transition, 149B47:713–733
 Oligocene–Miocene vegetation, 151B15:289–296
 oxygen isotopes, 104B9:260, 262, 266
 paleoceanography, 130B20:356; 151B36:645–658;
 161B14:190–193; 162A1:5–20
 Paleocene–Eocene volcanic surge, 104A1:8, 14; 4:71
 paleoclimatology, 152B18:247–248; 157B7:76–77
 paleoenvironment, 104A1:24
 paleomagnetism, 104B9:265
 planktonic foraminifers, 120B(2)35:639–640;
 162B2:19–34
 plate tectonics, 149B25:438–440; 152B40:482;
 41:505–506
 Pliocene glaciation, 101B16:234
 radiolarians, 145B7:134
 rifted margins, 149A1:5–10; 163X_A1:1–19
 sea surface, 151B25:437–444
 sea-surface temperature, 162B12:179–190
 seismic stratigraphy, 105B51:981
 Site 646, 105A5:432
 stable isotopes, 104B9:256–257
 surface water circulation, 104B1:5
 taxa, 120B(2)29:526–527
 tectonics, 151A1:5–26
 volcanic rocks, 152B27:315–330
 volcanism, 151B17:309–331
See also ash Zone 1; ash Zone 2; Bjørn Drift; Dohrn
 Bank; Edoras Bank margin; Feni Drift; Gardar
 Drift; Goban Spur; Hatton Bank margin; Hat-
 ton-Rockall Plateau; Jan Mayen Fracture Zone;
 Jan Mayen Island; Jan Mayen Ridge; Kane Basin;
 Kane Fracture Zone; Kolbeinsey Ridge; Molloy
 Deep; Møre Basin; Nares Abyssal Plain; New
 England seamounts; North Atlantic Deep Water;
 North Atlantic Drift; North Atlantic Mid-Ocean

Canyon; North Atlantic Mid-Ocean Channel
 (NAMOC); North Atlantic Mid-Oceanic Cur-
 rent; North Atlantic model; North Atlantic
 Rifted Margins Detailed Planning group; North
 Atlantic Volcanic Province; Northern Compo-
 nent Water/North Atlantic Deep Water; proto-
 North Atlantic Deep Water; Reykjanes-Mohn
 line; Rockall-Hatton Bank; Selvagens; Sohm
 Abyssal Plain
 Atlantic Ocean N distension
 Cretaceous, 103A9:281
 Jurassic–Cretaceous interval, 103A5:84
 magnetic anomalies, 103B30:508
 shale, 103A12:585
 turbidites, 103A12:601
 Atlantic Ocean N subtropical, Cretaceous–Paleogene,
 171B_B10:1–22
 Atlantic Ocean N volcanic province
 magnetostratigraphy, 104B42:911–919
 Norwegian Sea, 104B51:1044–1047
 paleolatitude vs. present latitude, 104B42:919
 Tertiary volcanic events, 104B51:1046
 Atlantic Ocean NE
 basalts, 163B12:135–148
 “black shales,” 113B15:194–195
 drift deposition, 105A5:424
 magnetic anomalies, 103A1:5, 7; 149B42:661–662
 melt composition, 163B11:119–134
 oxygen isotopes vs. age, 161A1:14
 paleoenvironment, 127/128B(1)19:338
 physiography, 152A1:6–7
 rifted margins, 152A1:5–16
 rifting, 173A1:7
 structural maps, 103A5:79
 volcanic stratigraphy, 163B1:3–16
 See also Ampere Bank; Dacia Seamount
 Atlantic Ocean NW
 “black shales,” 113B15:195
 geology, 171B_A1:5–10
 paleoclimatology, 171B_B(introduction):1–11
 Pliocene–Holocene interval, 172B(overview):1–15
 sediment underconsolidation, 105B41:793
 See also Imarssuak Mid-Ocean Channel (IMOC); J-
 anomaly; King’s Trough; Northwest Atlantic
 Mid-Ocean Canyon; Plantagenet Formation
 Atlantic Ocean NW, subtropical, paleoclimatology,
 166B2:13–22
 Atlantic Ocean S
 benthic foraminifers, 120A6:109–110;
 120B(2)23:393–394
 boundary, 119B38:714
 calcium compensation depth, 119B10:195
 carbonate paleoredox conditions, 115B39:709
 deep water of low-latitude origin, 119B38:694, 713
 geology, 208A1:1–112
 Holocene carbon isotopes, 177B(synthesis):49
 intermediate waters of Antarctic origin, 119B38:694
 isotopes, 105B9:125
 lysocline and Pliocene shoaling, 119B10:195
 Maastrichtian bottom water production, 113B46:821
 nannofossils, 120B(2)55:989

- ocean circulation, 175A1:10; 175B(synthesis):55;
23:26
- pyritized siliceous microfossils, 124B26:364
- radiolarians, 175B14:1–26
- seafloor spreading rates, 138B6:97
- spreading centers, 114B1:5
- stable isotope stratigraphy, 120B(2)45:859
- strontium isotopes, 117B27:462
- tectonics, 177A1:41
- water temperature, 120B(2)56:1008
- See also* Ascension Island; Bouvet Island; Gough Islands; Meteor Rise; North Scotia Ridge; Rio Grande Rise; Romanche transform zone; Scotia arc; Shona Ridge; South Sandwich Basin; South Sandwich Islands; Tristan da Cunha; Walvis Ridge
- Atlantic Ocean S equatorial, paleoclimatology, 155A1:12–13
- Atlantic Ocean S subantarctic. *See* Islas Orcadas Rise; Meteor Rise
- Atlantic Ocean SE
- carbonate compensation depth, 121B8:212
 - lipids, 175B10:1–34
 - planktonic foraminifers, 159B27:337
 - upwelling, 175A16:487–504
- Atlantic Ocean subtropical
- Eocene biostratigraphy, 171B_B6:1–25
 - See also* Bermuda Rise Formation
- Atlantic Ocean SW, tectonics, 177A1:6
- Atlantic Ocean W
- gas hydrates, 164A1:5–12
 - geology, 156A1:3–11
 - paleoceanography, 155B18:319–333
- Atlantic Ocean W central N, compared with conjugate Iberia margin, 210A3:57–63
- Atlantic Ocean W equatorial
- calcite recrystallization, 154B34:491–499
 - carbon isotopes, 154B35:501–505
 - carbonate dissolution, 154B15:229–237
 - carbonates, 154B12:189–199
 - cyclostratigraphy, 154B5:101–114
 - oceanography, 154A1:5–10
 - organic carbon, 154B35:501–505
 - paleoceanography, 154B14:207–228; 16:239–253; 18:269–284; 19:285–297; 20:299–318; 21:319–330; 25:375–388; 27:395–431; 28:437–438; 30:451–461; 155B41:666–670
 - sediment flux, 154B4:69–82; 22:331–345
 - sediments, 154B7:135–149; 22:331–345; 36:507–526
 - silica, 154B33:483–490
 - See also* Ceara Rise
- Atlantis Bank
- bathymetry, 179A4:77
 - drilling, 179A1:1–26
 - shaded-relief image, 179A1:15
 - tectonics, 179A4:6–14; 179B(synthesis):7
 - three-dimensional shaded-relief image, 179A4:78
 - See also* Site 735
- Atlantis Fracture Zone, basalts, 158B8:106
- Atlantis II Fracture Zone
- basement description conventions, 118A1:10–11
 - bathymetry, 118A1:6; 6:91; 118B21:364; 23:410, 416; 26:440; 176B5:33
 - biostratigraphy, 118A1:19
 - cation exchange capacity, 127/128B(2)80:1282
 - deformation and alteration, 118B26:488–501
 - discrete primary subintervals, 118B26:457
 - dredge survey, 118B21:377–382
 - formation, 118B21:361
 - free-air gravity maps, 179A4:73
 - gabbros, 118B26:470–488; 179B2:3–4
 - geological setting, 118A1:3–5; 118B21:361; 26:440–441
 - geology, 176A1:1–70; 176B(synthesis):47; (narrative):10–12
 - gravels, 118B25:431–438
 - hard rock guidebase (HRGB), 118A2:28–30
 - igneous stratigraphy, 118B26:444–470
 - inactive-valley bathymetry and morphology, 118B21:373, 375
 - Layer 3 lithostratigraphic evolution, 118B26:439–513
 - lithologic units, 118B26:449–462, 464–470
 - lithology, 118A1:4; 118B21:377
 - lower oceanic crust, 176B5:1–71
 - magnetic properties, 118A1:21; 118B21:378, 382–384, 388–389
 - median tectonic ridge formation, 118A1:4; 3:43; 118B21:360–361
 - physical properties, 118A1:19
 - physiography, 118B21:359–360, 368–377
 - positive displacement coring motor (PDCM), 118A2:25–28
 - ridge-axis right-lateral offsets, 118B21:392
 - ridge-transform intersection, 118B21:366–368; 25:431
 - rift-valley physiography, 118B21:364–366
 - rock types, 118B21:377, 380
 - SeaBeam survey, 118B21:363–364
 - seafloor spreading, 118B21:360, 376–377
 - sedimentology of fracture zone walls, 118B25:431
 - Southwest Indian Ridge intersection, 118B21:360
 - structural models, 118A5:87
 - tectonic history, 118A4:60; 5:79; 118B21:359–396
 - tectonics, 118B4:76–77; 21:361–363; 149B36:585; 179B(synthesis):4–7
 - topography, 118B7:145
 - transform tectonic zone, 118B21:378
 - transform vs. nontransform regions, 118B21:360, 380
 - transtensional transform basins, 118B21:389–392
 - See also* Neovolcanic zone; Rift Valley; Site 732; Site 733; Site 734
- Atlantis II Fracture Zone, nodal basins
- bisection and infilling, 118B21:373
 - formation, 118B21:392, 395
 - physiography, 118B21:366
- Atlantis II Transform Fault
- bathymetry, 179A1:14; 4:74
 - three-dimensional image, 179A4:75
- Auburn (New York) well, fractures, 124B8:117
- Aulis volcanics/Taltung Formation (Himalayas), paleolatitude, 121B39:802
- Aurora Ridge (Sulu Sea), volcanism, 124B34:462

- Austral Islands (French Polynesia). *See* Macdonald hotspot; Tubuai
- Austral Realm
 biostratigraphy, 123B1:41; 15:313
 evidence, 123B39:747
- Austral volcanic zone (Chile triple junction)
 arc magmatism, 141A3:24–25
 eruptions, 141B12:175–176
- Australasian microtektites
 Cretaceous/Paleogene boundary, 121B25:490
 geochemistry, 121B25:494
 North American goyazite/smectite spherules, 121B25:490–491, 493
 planktonic foraminiferal influence, 121B25:489–492
 Site 758, 121B25:503
- Australia
 benthic foraminifers, 123B14:283–285
 break from Antarctica, 120B(1)1:7
 Cenozoic, 182A1:1–58
 continental extension, 120B(2)50:922
 ice-rafted debris, 120B(2)62:1099
 methane, 161A6:233
 oceanic crust, 120B(2)50:918
 paleomagnetic pole positions, 121B39:879–880
 palynology, 120B(1)17:263; 123B20:423; 21:433–434
 plate tectonics, 181A1:3
 podocarps, 120B(1)18:276
 pollen, 120B(1)19:288
 seafloor spreading, 120B(2)50:920
 stratigraphy, 182A2:4–6
 taxa, 120B(2)33:598
 tectonics, 120B(1)7:95–96; 189A1:46–49
See also Argo Abyssal Plain; Ashmore Platform; Ather-ton tablelands; Bunbury basalts; Carpentaria Basin; Coorong; Coorong lagoons; Dingo claystone; Flagstone Bench Formation; Gippsland Basin; Great Artesian Basin; Hodgkinson Formation; Hodgkinson Province; Malita Graben; Murray Basin; post-Archean Australian shale
- Australia-Antarctica Gateway, Paleogene nannofossil biostratigraphy, 189B8:1–14
- Australia-Antarctica-India juncture, paleogeography, 123B28:533, 535
- Australia E. *See* Norfolk Ridge
- Australia-India plate
 collisions, 134B35:610, 612–613
 convergent margin, 134A8:165
 motion, 134A2:22
 subduction, 134A1:11
- Australia NE
 bulk carbonate content, 194B9:1–9
 carbonate platforms, 194A1:1–88
 submarine ferromanganese hardgrounds, 194B8:1–22
 tectonics, 180B(synthesis):4
See also Caringa Cays
- Australia NE margin
 biohorizons, 133B53:773–778
 biostratigraphy, 133B3:39–49; 47:697–704
 carbonate modern shallow-water systems, 115B29:542
 Cenozoic, 133B52:763–770
 coastal region, 133A(1)1:5–30; 133B2:19–37; 10:115–125
 continental margin, 133B1:3–18; 8:97–105; 11:129–161; 17:239; 51:755–762
 coralline algae, 133B5:67–74
 foraminifers, 133B14:181–188
 geochemical logs, 133B57:795–817
 geochemistry, 133B48:705–721
 location map, 133B1:4; 2:20; 3:40; 6:76
 microfacies, 133B21:291–300
 pore water, 133B31:473–480
 porosity, 133B45:661–686
 reefs, 133B19:263–280
 sea level changes, 133B16:203–233
 sediments, 133B43:633–647
 seismic reflectors, 133B44:649–659
 site survey data, 133B58:819–820, 829–835
 subsidence, 133B6:75–92
 well-logging, 133B46:687–694
See also Aquarius-1; Swains Reef
- Australia NE platforms, comparison with Great Australian Bight, 182A2:22–23
- Australia NW
 palynology, 123B20:423
 rain forest, 123B20:423–425
 seismicity, 123B26:506
See also Barrow-Dampier Subbasin; Barrow group; Bonaparte Basin; Brigadier beds; Browse Basin; Canning Basin; Carnarvon Basin; Cuvier Abyssal Plain; Dingo claystone; Exmouth Plateau; Oates Canyon; Rankin trend; Tryal rocks
- Australia NW margin. *See* Le May group; Locker Shale Formation; Londonderry arch
- Australia W
 foraminifers, 120A6:109, 111; 9:302
 sites drilled, 120B(1)2:36
- Australian-Antarctic Basin
 Banzare Bank, 120A5:82; 120B(1)1:20, 24–25
 Kerguelen Plateau/Broken Ridge breakup, 120B(2)51:935
 paleoceanographic reconstruction, 119B13:244, 246–247
See also Site 749
- Australian-Antarctic deepwater flow gateway, paleoceanography, 181A1:3
- Australian Antarctic depth anomaly
 dynamics, 187B1:18–21
 evolution, 187B1:1–40
 origin, 187B1:2–3
- Australian Antarctic discordance
 dynamics and origin, 187B1:16–19
 evolution, 187B1:1–40
 geology, 187A1:1–49
 lead-206/lead-204 ratio vs. longitude, 187A1:41
 mantle domains, 187A1:14; 14:8; 15:11–12
 mantle heterogeneity, 187B3:1–24
 petrogenesis, 187B2:23
- Australian Antarctic mantle anomaly, origin, 187B1:2–3
- Australian apparent polar wander path, plate tectonics, 134B25:450–451

Australian continental margin, rift-to-drift evolution, 123B2:57

Australian-Indonesian low pressure zone, climate cycles, 146B(2)3:42

Australian NW margin

- Barremian–Aptian convergence zone, 123B39:750
- bathymetry, 123B28:524
- compressional stress state, 123B26:512–513
- continent-arc collision, 123B37:693
- Eurasian plate conversion, 123B37:683
- evolution, 123A1:3; 4:101; 5:338–339; 15:299
- geography, 123A1:6; 123B39:740; 43:802
- magnetic lineations, 123B36:661
- Mesozoic sedimentation, 123B43:807–812
- mineralogy, 123B41:788–789
- Oligocene–Miocene unconformity, 123A4:112
- paleogeography, 123B4:92, 103
- progradation, 123B7:159–160
- seafloor spreading, 123B36:662
- sedimentation history, 123B43:811–812
- stratigraphic modeling, 123B37:687–693
- stratigraphic record, 123B37:682–695
- tectonic subsidence, 123B37:684–687, 692–695
- turbidite sequences, 123B5:128
- upwelling, 123B5:127
- volcanism, 123B41:789

Australian plate

- Celebes and Sulu seas, 124A11:199
- collisions, 184A1:4
- plate boundaries, 181A1:4
- plate circuits, 130B43:698–699
- subduction, 134B2:21
- Sunda arc collision, 123A1:3; 4:112
- See also* Indo-Australian plate; Loyalty Basin; Pacific/Australian plate boundary; South Loyalty Basin; Vitiaz arc; Wallaby Plateau

Australian polar wander path, plate tectonics, 123A1:3; 123B29:552

Australian shale (PAAS). *See* South Australia; South Australian Basin; South Tasman Rise; Toolebuc Formation; Tortachilla transgression; Townsville Trough; “Zebra unit”

Australo-Antarctic Gulf

- lower–middle Eocene interval, 189B1:11
- Neogene, 189B1:16
- paleoenvironment, 189B2:9–11
- Paleogene, 189B1:3
- rifting, 189A1:6–7; 189B1:2, 6–7, 19
- tectonics, 189A1:45–49

Australo-Indian plate, intraplate seismicity, 179A5:18

Austrian phase, Galicia margin W, 103A5:84

Avalon unconformity, rifting, 210B1:11

Avalon Uplift (Grand Banks)

- provenance of gravity-flow deposits, 210B2:5–8
- structure, 103B44:788

Avalon Zone, geology, 103B1:11

Aveiro Escarpment (Portugal)

- continental margin, 149B1:4, 6–7
- structure, 103B42:760

Aveiro Fault Zone, continental margin, 149B1:4, 6–7

Aves Ridge (Caribbean Basin), location, 110A1:6–7

Aves swell

- circulation, 165A1:9
- sediment thickness, 110B4:32

Awaitapu Formation (Papuan Peninsula), deposition, 180A3:8

Ayios Photios group (Cyprus)

- basement, 160B54:734–736
- tectonics, 160B52:704–705; 54:771

Azores, basalt and diabase clasts, 149B29:506–507

Azores-Biscay Rise

- creation, 103A5:84
- plate tectonics, 149B1:3–4

Azores Fracture Zone, structure, 103B39:697

Azores-Gibraltar Fracture Zone, plate tectonics, 149B1:3–4

Azores/Gibraltar plate boundary

- basement, 173A1:11
- seismicity, 149B1:5

Azores triple junction, plate tectonics, 149B1:4

Azulejos Member (Canary Islands), geochronology, 157B11:131–133

B

Baer-Bassit unit (Turkey)

- ophiolites, 160B54:760, 769
- tectonics, 160B54:753

Baffin Basin. *See* Lancaster Sound (Baffin Basin)

Baffin Bay

- aeromagnetic maps, 105A1:11
- age vs. depth, 105B40:787
- basement, 105A4:67, 148–150
- bathymetric maps, 105A1:6; 4:65; 105B48:892; 52:990
- biological markers, 105B15:235
- bottom current influence, 105B4:59; 7:89
- bottom topography, 105B30:562–563; 51:975
- carbon isotopes, 113B50:881–882; 117B35:572
- carbonate thicknesses, 105A4:86
- chronostratigraphic summary, 105B50:941
- clay-size fraction, 105B3:41–42, 45
- coarse fraction, 105B7:88
- continental climate, 105B7:98–99
- continental shelf, 105B4:53–54
- correlation, 105A4:81
- depositional environment, 105B13:191–192
- depth, age, and lithology data, 105B15:234
- depth-to-basement map, 105B52:995
- drilling objectives, 105A4:140
- Eocene–Oligocene interval, 105A1:15
- eolian transport, 105A4:89
- faulting, 105A4:139–142
- geochemistry, 105B7:86, 88, 92–94, 96
- geology, 105B3:32–34; 7:84
- glacial–interglacial cycles, 105A1:16–18; 4:90, 144; 105B23:391
- glacial processes, 105B3:45; 7:98
- glaciomarine deposits, 105B30:563
- grain-size distribution, 105B1:11; 7:90
- gravity data, 105A1:8, 9, 12
- ice rafting, 105A4:89–90, 92, 134, 145, 148

ice sheet growth map, 105A1:16
icebergs, 105A4:74
index map, 105B51:959, 976
katabatic winds, 105A4:89
lithofacies, 105B3:34–35, 37, 38, 40–41, 45–46, 48;
7:91, 97–98
lithology, 105A4:73, 76–77, 81; 105B1:11–12; 7:89;
27:472
lithostratigraphic summary, 105A4:74–75; 105B2:23;
19:308; 32:601, 609; 37:731–732
location, 105A1:6; 105B29:553; 30:562; 32:600;
52:1003
magnetic lineation map, 105A1:13
magnetic properties, 105A4:107, 110–116
magnetostratigraphy, 105A4:110–111
methane/ethane ratio, 105A4:105
mineral concentrations, 105A4:77, 90
Miocene, 105A1:15–16; 105B7:95; 27:485–487
Miocene–Holocene interval, 105B27:472
Miocene–Pliocene interval, 105A4:141, 143
modern environment, 105B13:185–186
multichannel seismic lines, 105A4:66
organic carbon, 105A4:77–78, 106–111, 143, 149
oxygen isotopes, 105A1:17
paleoenvironment, 105A4:100–101, 144–145;
105B19:308–309
Paleogene, 105A1:12–15
paleogeographic maps, 105A1:14
petrography, 105B3:35–36, 38
physical properties, 105A4:116–124, 126–129
Pleistocene–Holocene interval, 105A4:140–141
Pliocene–Holocene climatic cooling, 105B23:393–394
Pliocene–Pleistocene interval, 105A4:141; 105B3:31,
33
pore water chemistry, 105A1:11; 4:103–104, 117;
105B12:171–182
Rock-Eval pyrolysis data, 105A1:106, 110;
105B13:192, 205
sea-ice melting, 105A4:144
seafloor spreading, 105A1:7; 4:150
sediment accumulation, 105A4:101–103; 105B4:53–
56, 58–59
sediment composition, 105B44:837
sediment dispersal pattern, 105B3:31
sediment end-members, 105B3:43–45
sediment subdivisions, 105A4:77–79, 81–87
sediment thickness, 105A1:11
sediment transport mechanisms, 105B2:25
sedimentary structures, 105B1:7–16; 4:61
sedimentation rates, 105A4:89
seismic reflectors, 105A1:15; 4:64–65, 68, 131, 133–
139, 141–142, 146, 148–149
seismic refraction, 105A1:9, 12
silty muds, 105A4:84–85, 88–91
smectite, 105B7:93
smectite-kaolinite correlation, 119B10:198
source, 105B2:25, 27; 3:31, 43–47
spectral analysis, 105B38:758–760
stable isotopes, 105B12:176
subsidence history, 105B27:467
surface water circulation (modern), 105B13:185–186

tectonic evolution, 105B52:991, 993, 997–998
terrigenous sedimentation, 105B3:35
turbidity currents, 105A4:91
water content, 105A4:117–122
See also Cape Dyer
Baffin Land Current, circulation, 105B27:469; 32:599
Bahama Banks. *See* Great Bahama Bank; Little Bahama
Bank
Bahama Escarpment
spar cement, 101B17:247; 18:259
subsidence, 101B28:443
Bahama Outer Ridge
paleoceanography, 172B(overview):5–6
sedimentation, 172A7:311
Bahama transect. *See* Clino drillhole
Bahamas
aragonite oxygen isotope records in Pliocene–Pleisto-
cene, 115B29:557–558
carbonate formation, 101B28:439–440; 29:456
carbonate modern shallow-water systems,
115B29:542
carbonate sediment faulting, 101B12:189
Cenomanian–Oligocene sedimentation, 101B30:480
graben hypothesis, 101A5:50–52; 101B26:391–392
hydrocarbon source potential, 101B25:381
magnetic properties, 101B23:327–360
megabank hypothesis, 101A5:50–52; 101B26:392;
27:425, 435
periplatform ooze, 101B21:306
Pleistocene highstands, 166B3:23–31
sea level changes, 133B17:236
seafloor cements in periplatform sediments,
115B35:655
tectonic subsidence, 101B28:446
volcanism, 101B27:428
See also Andros Island; Blake-Bahama Basin; Exuma
Sound; Florida-Bahama Platform; Great Bahama
Bank; Little Bahama Bank; Long Island; North-
east Providence Channel; Northwest Providence
Channel; Santaren Channel; Straits of Andros;
Walkers Cay Fault Zone
Bahamas transect
distal, turbidites, 166B5:45–60
sea level changes, 166A1:5–10; 166B16:167–177
Bainmedart coat measures, Amery group, 119B45:797
Baixo Alentejo flysch group (Portugal), Variscan base-
ment, 149B1:8
Baja California
diagenetic carbonates, 127/128B(1)6:75
dolomite, 117A11:347; 117B30:510
wavy-laminated gypsum, 107B13:189
Baja Transect
composite section, 167A(1)4:51–52; 5:88–89
middle Miocene, 167A(1)4:77–78
sedimentation, 167A(1)1:11; 5:110–112
Balabac Island, turbidites, 124B32:444
Balearic Basin
evolution, 107B1:21
Messinian, 161B42:529–541
rifting, 107B1:10
See also South Balearic Basin; West Balearic Basin

- Balearic Islands. *See* South Balearic Basin
 Balearic margin. *See* South Balearic margin
 Balearic Rise, Cenozoic paleoceanography, 161B39:489–503; 40:505–518
 Balearic Sea
 biostratigraphy, 161B16:223–237
 seafloor spreading, 107B1:12
 Ballena drill hole (Peru margin)
 diatoms, 112B13:209–211
 Eocene, 112A1:9
 lithostratigraphy, 112A6:95
 metamorphic petrology, 112A6:105–106
 morphology, 112A1:7–8
 seismic reflection profiling, 112B2:20
 Balleny Fracture Zone (Antarctica)
 deposition, 189A6:19–21
 rift basins, 189A1:23
 Baloy unit (Philippines), potassium/argon age, 124B23:323–325
 Baltimore Canyon Trough
 Jurassic sediments, 150A1:7
 sediments, 101B28:448
 Baltimore-Toms gather area, debris flows, 150B11:225–226
 Banco Nuevo (Nicaraguan Rise), seismic units, 165B12:209
 Banda Sea
 Celebes and Sulu seas, 124A3:36, 41
 magnetic properties, 124B5:70
 Bannock Structure (Mediterranean Ridge), moats, 160B38:500–501
 Baranoff Fan (Gulf of Alaska), sedimentation, 145B16:254–255
 Barbados
 fluid transport, 124A10:125
 mud volcanoes, 160B50:670
 pore fluid, 131B32:409
 vegetation, 155B23:381–383
 vein structures, 112B1:10
 See also Joes River Formation; Oceanic Formation; Scotland Formation; Scotland group
 Barbados accretionary prism N
 porosity, 171A_B1:1–19
 tectonics, 171A_A1:5–6; 171A_B3:3
 well-logging, 171A_B2:1–29; 3:1–25
 Barbados forearc, veins, 127/128B(2)75:1180
 Barbados N, interstitial water chemistry, 112B25:434
 Barbados Ridge
 accretion, 110A4:70; 7:394–402; 110B3:17–20; 21:326
 accretionary wedges, 110B14:217–221; 15:232–234, 238–241; 20:310
 acoustic impedence, 110A7:427
 acoustic index, 110A6:318; 110B20:318
 age, 110A4:78, 81; 6:326; 7:406–410; 9:522
 alkalinity, 110A4:99–100; 6:334; 7:418; 8:496; 10:528; 110B11:159–160
 alteration, 110B11:174–175
 aluminum, 110A4:96, 100; 6:334–335; 7:415, 418–419; 8:495–496; 9:525, 528–529; 110B11:159–161; 12:182–184, 187
 ammonium, 110A4:101; 6:336
 anticlinal axis, 110B3:27
 bathymetry, 110A1:6; 10:581; 110B3:19, 21, 23
 bedding, 110A4:75, 82; 7:394–402; 110B14:215; 15:236–237
 bioturbation, 110A4:80–82
 bromide, 110B11:161, 173
 bulk density, 110A7:438
 bulk mineralogy, 110A4:84
 calcareous biogenic sediments, 110A1:17–18
 calcite, 110A4:84
 calcium, 110A1:22; 4:93–95, 99–101; 6:331, 335–336; 7:415, 418–419; 8:495–496; 9:525, 528–529; 110B11:158–160, 174–175; 13:195–197, 199–200; 26:407–408
 canyons, 110B3:27
 carbon isotopes, 110B13:204–205
 carbonate content, 110A1:21; 4:79–80, 102, 114; 7:411; 110B12:183; 18:283–284
 chemical composition, 110B12:181–182, 186–187
 chloride, 110A1:21–22; 4:93, 100–101; 6:331, 334–336, 351; 7:415, 418–419, 437; 8:495–496, 498, 501; 9:525, 528–529, 539; 10:590–591; 110B11:156–161, 171–174, 178; 13:195–197, 199–200; 22:335; 27:419
 compressional wave velocity, 110A1:22–23; 4:105; 6:340–341; 7:422–424; 8:498–499; 9:530, 533–534
 debris flow, 110B14:218–219
 décollement, 110A4:126–127; 6:314, 348–351, 386; 7:430, 436–437; 8:491–492, 500–501; 9:514, 538, 544–545; 10:580, 584–586; 110B1:4; 3:28; 13:196, 202–203; 14:227; 24:411
 deformation, 110A6:352; 7:435, 439; 9:512; 10:586; 110B1:5; 3:18, 26–28; 7:98; 13:193, 196; 14:210, 219; 27:411, 419–420
 density, 110A4:105–109; 6:339–340; 7:420–423; 8:498–499; 9:528, 532–533; 110B18:283–284, 286; 19:292, 298, 302, 305; 20:311
 deposition, 110A4:79–80; 6:322–323, 327; 110B3:26
 diagenesis, 110B7:107–109
 diffusion, 110B12:188
 effective stress, 110A4:113; 110B19:297, 299–300, 303, 306; 27:420–421
 erosion, 110B3:26; 7:421, 223–224
 faulting, 110A1:11; 7:439; 110B14:221
 fluid flow, 110B13:202; 19:296; 21:321–328; 22:333–334, 340; 23:354–358; 26:403; 27:417–419, 421–422
 fluid pressure affected by porosity, 110B22:337–339
 folding, 110B14:219
 formation factor, 110A1:23; 4:108–109, 111; 6:338, 341–342; 7:424–426; 9:530, 536
 grain density, 110A4:105–109; 6:339–340; 7:420–423; 8:498–499; 9:528, 532–533
 heat flow, 110A1:24; 4:120–123; 6:344–348; 7:428–434; 9:533–534, 539–542, 545; 10:591; 110B1:5; 23:363
 hemipelagic sedimentation, 110A7:409–410
 hydrocarbons, 110A1:21; 3:61; 4:98–99, 102; 6:334–335, 352; 7:418; 8:498, 501; 9:528, 530, 539, 545; 10:590; 110B11:178; 22:335; 27:418–419

- hydrogen index vs. oxygen index, 110A4:104
hydrology, 110B6:91
hydrostatic stress, 110A4:113; 6:343; 7:427; 9:538
initial accretion zone, 110A1:6
inorganic carbon, 110A4:102
isotopes, 110B11:161
lithium, 110B11:159–160
lithology, 110A4:76–79; 6:321–322, 325; 7:402–407,
431–434, 438; 8:493; 9:516–520, 538–539;
110B11:157, 162–163; 12:180; 27:414–415
lithostatic stress, 110A4:113; 6:343
lithostratigraphy, 110A1:11; 6:320–324; 7:401–409;
8:493; 9:515–520; 110B26:398–399
location, 110A1:6; 2:69; 8:490; 9:513–514; 10:580–
581; 110B3:18; 11:156
lower-hemisphere intersecting thrust faults, 110A4:75
magnesium, 110A1:22; 4:93–95, 99–101; 6:331, 335–
336; 8:495–496; 9:525, 528–529; 110B7:415,
418–419; 11:158–160, 174–175; 13:195–197,
199–200
magnetic properties, 110A1:20–21; 4:89–98; 6:329–
334; 7:414–418; 9:524–527; 110B25:380–386,
388–391
mineralogy, 110A4:78, 83–84; 6:323–324, 327; 7:410;
8:493–494; 9:519–521; 110B7:99–101, 103
mud-filled veins, 110B15:243
mud volcanoes, 110B3:21, 23, 27
organic carbon, 110A4:100, 102, 104; 6:335, 337;
7:420; 9:528; 110B12:180–181, 185
organic matter, 110A4:99–100
oxygen index vs. hydrogen index, 110A4:104
oxygen isotopes, 110B26:401
permeability, 110B19:291–292, 294–295, 299, 303;
22:335–338
piggyback basins, 110B3:17, 19, 24, 27
pore pressure, 110B19:308
pore water chemistry, 110A4:92–101, 127–128; 6:334–
335, 351; 110B6:91; 11:161–172; 12:181, 184–
186; 13:191, 195–201; 26:395–401, 406;
124A10:154
porosity, 110A4:105–109; 6:339–340, 351; 7:420–423,
426, 428, 437; 8:497–499, 501; 9:528, 532–534,
536, 545; 10:587–589; 110B14:212, 220; 15:235,
237; 19:292, 298, 302, 305; 20:311–316, 319–
320; 21:323–324; 22:333–339
potassium, 110A4:95–96, 101; 6:331, 334–336; 7:415,
418–419; 9:525, 528–529; 110B11:159–160
reflectors, 110A1:3; 2:7; 3:20, 22, 25; 4:118–119;
6:345–346; 8:491; 9:538; 110B1:3–7; 3:20, 22,
25; 14:213, 222–223, 225
Rock-Eval pyrolysis, 110A1:21; 4:100, 102–103; 6:337;
7:418, 420; 8:497; 9:531
salinity, 110A1:21; 4:100; 6:334; 7:418; 8:496; 9:528;
110B11:159–160
scaly fabrics, 110A4:73–77, 127–128; 6:318–319, 321,
351; 7:393–402, 437; 8:491–493, 500–501;
9:514–516, 519, 545; 10:587; 110B14:212–213;
15:234; 16:247–248
sedimentary processes, 110B3:23–24
sediments, 110A4:76–79; 6:318; 7:393–402, 409;
9:516–519; 110B3:18; 19:291, 294–296; 26:407
seismic stratigraphy, 110A4:116–120; 6:343, 345;
7:428–430; 8:498; 9:531; 110B14:218
shear strength, 110A1:23; 4:109, 112; 6:338, 341–342;
7:426–427; 9:530–531, 537; 110B18:283–284
siliceous biogenic sediments, 110A1:16–18
silicon, 110A4:96, 100–101; 6:334–336; 7:418–419;
8:495–496; 9:525, 528–529; 110B11:159–160
sodium, 110A4:95–96, 101; 6:331, 334–336; 7:415,
418–419; 9:525; 110B11:159–160
specific gravity, 110B18:286
stabilization zone, 110A1:6
stable isotope ratios, 110B13:192–193
strontium, 110A4:99; 110B11:159–160, 176
structural data, 110A4:74; 6:320, 351; 7:393–402, 437;
8:491–492; 9:516, 545; 10:584–585;
110B13:190; 15:231–234, 236, 238–241
structural geology, 110A1:11; 110B27:411–417
sulfate, 110A1:22; 4:96, 100–101; 6:334–336; 7:415,
418–419; 8:495–496; 9:525, 528–529;
110B11:158–160, 174
supracomplex basins, 110A1:6, 8
tectonic features, 110B14:217, 224; 27:416–417
tectonic units, 110A7:438
temperature, 110A9:539–542, 545
terrigenous component, 110A1:17–18
thermal conductivity, 110A1:23–24; 4:110, 112, 114;
6:341–344, 348; 7:424–425, 433; 9:530, 535,
542; 110B23:348–351, 361–362
thermal resistance, 110A7:434; 110B23:352
thrust faulting, 110A4:73–77; 6:318–319, 322, 348–
349, 352; 7:394–402; 8:491–492; 9:514–516;
10:580, 587; 110B3:17–18, 21, 25, 27; 12:180;
13:193, 196; 14:212; 15:235–237
torque vs. strength curves, 110A1:23
underthrust sediments, 110B21:325
uplifts, 110A1:8
vein classification, 110A6:320, 324
velocity, 110A7:422; 8:499; 110B1:5; 20:313–315
void ratio, 110B19:307
volcanic ash, 110A4:81–83; 6:323; 7:406–409; 9:517,
521–522; 110B11:164; 26:404
volcanogenic sediments, 110A1:17–18
volume magnetic susceptibility, 110B24:372
water content, 110A4:111, 114; 6:339–341; 7:421–
423, 425; 8:499; 9:528, 532–533, 535;
110B12:179, 184–186; 18:284, 286; 19:292
X-ray diffraction analysis data, 110A1:18–19
zonation, 110A1:8, 11
See also Coral Reef Formation; Lesser Antilles arc; Site
671; Site 672; Site 673
Barbados Ridge accretionary prism N
carbonate veins, 156B5:79–96
compressional wave velocity, 156B8:115–123
drilling, 156A1:3–11; 2:13–27
magnetic anisotropy, 156B6:97–105
sediments, 156A3:29–37
ultrasonic velocity, 156B9:125–135

- Barbados Ridge N
 biostratigraphy, 156B3:49–56
 chlorinity, 125B21:382
 clay mineralogy, 156B1:3–30
 fluid pressure, 156B17:229–238
 geochemistry, 156B13:171–182; 25:311–319; 29:353–356
 geology, 156A1:3–11; 2:13–27
 grain size, 156B27:337–341
 hydrogeology, 156B24:303–310
 natural gamma ray spectra, 156B14:183–195
 packer experiments, 156B15:199–218
 permeability, 156B7:109–114
 porosity, 156B10:137–149
 scaly fabric, 156B4:59–77
 seismic data, 156B20:255–262; 23:293–302
 seismic velocity, 156B21:263–275
 structural geology, 156B22:279–292
 tomography, 156B11:151–159
 trace metals, 156B12:163–170
 well-logging, 156B26:321–334
See also Grenada Basin
- Barbados subduction zone N, fluid flow, 171A_A1:5–10
- Barcena Mayor Formation (Spain), stratigraphy, 103B30:510
- Barents Sea
 continental margins, 151A1:10
 Paleogene–Neogene sedimentation rates, 104A1:17, 19
 plate tectonics, 151A1:14–16
 Quaternary, 151B26:445–454
 slumping, 119A12:468
 volcanic history, 151A1:12–16
- Barents Sea Ice Sheet, environment, 151A1:18–19
- Barents Sea shelf, continental margin, 162A1:6
- Barkley-Nitinat Canyon network (Cascadia Basin), sedimentation rates, 168B2:52
- Baronie Ridge (Tyrrhenian Sea), lithology, 107A10:749
- Barracuda Ridge (Tiburon Rise)
 location, 110B4:34, 36
 sediment thickness, 110B4:36
 subduction, 110B4:36
- Barranco de Balos Formation (Gran Canaria), placers, 157B12:169
- Barrow-Dampier Subbasin (Australia NW shelf)
 location, 123B37:689
 stratigraphic modeling, 123B37:688
 tectonic subsidence, 123B37:685, 696
- Barrow group
 Australian NW margin, 123B37:683–684
 Carnarvon Basin, 123B5:127
 Exmouth Plateau, 123B5:127; 31:578
- Bashi Strait (South China Sea), tectonics, 184A1:4
- Bass River Formation (New Jersey coastal plain)
 biostratigraphy, 174AX_A1:36, 38–39, 41; 174AXS_A1:36, 41, 44–45; 6:95, 101
 lithostratigraphy, 174AX_A1:32, 34–35; 174AXS_A1:27–28, 58; 5:38–41; 6:42–47
 photograph, 174AX_A16:80
 stratigraphy, 174AXS_A1:4; 5:62; 6:72
- Bass River Site, 174AX_A1:5–43
 background and objectives, 174AX_A1:6–7
 biostratigraphy, 174AX_A1:35–41
 Cenomanian–Turonian sequence, 174AXS_A(summary):31
 core description, 174AX_A1:10–15
 isotope stratigraphy, 174AX_A1:41–42
 Late Cretaceous age, 174AXS_A(summary):29
 lithostratigraphy, 174AX_A1:9–35
 Maastrichtian, 174AXS_A(summary):32
 operations, 174AX_A1:7–9
 Paleocene/Eocene boundary, 174AXS_A(summary):34
 site description, 174AX_A1:5–43
 site summary, 174AX_A1:5–6
 stratigraphy, 174AX_A1:5–43; 174AXS_A(summary):4–5, 35
 summary and conclusions, 174AX_A1:42
- Bass Strait (Tasmanian region), rifting, 189A1:6–7
- Bauer Basin (Peru margin)
 deep water, 138B42:831
 surface sediments, 138A(1)8:101–102
 tectonics, 138B35:723
- Bauer Deep, smectite precipitation, 105A4:147
- Bay of Bengal
 Bengal Fan sediment source, 116B31:390
 paleoceanography, 184A1:9
- Bay of Biscay
 acoustic basement formation, 103A9:279
 Albian oceanic crust, 103A5:84
 Aptian rift deposits, 103B2:20
 isotopes, 105B9:125
 location, 103A5:79
 M0 anomaly, 103A5:84
 opening, 103A7:119
 oxygen minimum zone bolivinid abundance and diversity, 115B31:597–598
 partial subduction, 103A7:107
 seafloor spreading, 103A1:5
 seismic reflection profiles, 103A11:547
 structural diagram, 103A7:109
See also Le Danois Bank
- Bay of Biscay spreading ridge, plate tectonics, 149B1:3–4
- Bay of Islands (New Zealand)
 magma mixing and fractionation, 118B1:6
 ophiolites, 137/140B24:283, 287–289
- Bay of Islands complex ophiolite
 aluminum oxide/silica ratio vs. magnesium oxide/silica ratio, 153B10:213
 mafic and ultramafic rocks, 153B10:187–189, 198
See also North Arm Massif
- Beacon supergroup (Antarctica), Permo–Triassic redbeds, 119B3:54
- Beata Ridge (Caribbean Sea S), acoustic basement, 165A4:133
- Beato Angelico Trough (Mediterranean Sea E), tectonics, 160A5:87–88
- Beaufort-Mackenzie Delta, sedimentation, 105B15:235
- Beaufort Sea
 terrestrial debris, 105B14:209; 117B35:571
 terrigenous matter transport, 113B50:881
- Beaver Lake (Prdyz Bay), geology, 188A1:7–8

- Beaverdam Formation (Delaware), lithology, 174AXS_A3:19–20, 59–60
- Beira litoral (Portugal), continental margin, 149B1:4, 6–7
- Beja-Acebuches ophiolite (Portugal), Variscan basement, 149B1:8
- Belize
coccolithophorids, 144B7:144, 146
See also El Pilar River
- Bellapais Formation (Cyprus), tectonics, 160B54:746, 748–749
- Belleplain member (New Jersey coastal plain), clay mineralogy, 150X_B5:60–61
- Belleplain member partim, stratigraphy summary, 174AXS_A7:43, 45
- Bellingshausen Abyssal Plain
channels, 178B8:3–4, 15
silicification, 124A10:155
- Bellingshausen Basin
biostratigraphy, 178B13:1–22
Bolboforma, 113B53:954
- Bellingshausen Sea
paleoproductivity, 178B23:12–16
See also Eltanin impact (Bellingshausen Sea)
- Beloc Formation, Haiti, 165A1:7
- Benarraba imbrications (Spain S), structure, 161B23:310
- Bengal Fan
age, 116B8:94–108, 114
bathymetry, 116A1:7; 3:37; 7:205; 116B26:318
biogenic components, 116B2:15–18
biostratigraphy, 116A4:51–52, 54–57; 5:98, 100–103; 6:162–164
bioturbation, 116B2:18–23
channels, 116A7:200
clay mineralogy, 116B4:35–38, 40; 5:55–56
correlation, 116A6:187; 7:198; 116B32:398, 405
deformation, 116A4:46; 116B25:313–315; 32:405–407
depositional history, 116B7:83–85; 24:293–295; 25:313; 32:400; 117A8:169
Eocene, 116B32:398, 402
fault blocks, 116A7:200–201, 203, 209
formation, 121A1:17; 121B15:310
geological setting, 116A4:45; 5:92; 6:155
geophysical setting, 116A1:9
heat flow anomalies, 116A1:10
hemiturbidites, 116B1:8, 13; 3:25–33
hiatuses, 116B32:408
hydrothermal activity, 116B11:135–139
hydrothermal circulation, 116A5:92
lithologic units, 116A4:49; 5:95–96, 98; 6:159–161; 116B31:379–380; 32:400–401, 403, 405–406, 408
lithology, 116A1:7; 4:53; 5:101; 6:161; 116B28:346, 348; 29:363–364; 30:370–374
lithostratigraphy, 116A4:45, 48–49; 5:92–95; 6:155, 158–159; 116B30:379–380
location, 116A4:46, 47; 6:155, 156, 166; 116B1:6; 2:16; 3:26; 5:44; 8:92, 97; 12:142; 13:146; 15:166; 17:208; 18:213, 214; 29:364, 370, 378
magnetic anomalies, 116A3:38
mineral composition, 116B6:64–65
morphometry, 116A1:4
navigation track, 116B28:347
navigational plot, 116A3:30
petrology, 121B39:822
pyritization, 124B26:364
relationship to Pacific Ocean abyssal hill, 116B25:313, 315
sediment distribution, 116B31:389–391
sediment thickness, 116B16:201, 208
sedimentation, 115B31:598, 600; 38:707; 116B2:19–20, 22; 28:348; 32:402; 121B39:822
sedimentology, 116A1:7; 116B5:46–51
Site 218, 116A1:7; 116B8:103
sources, 116A1:7; 4:45; 116B4:40; 5:54–57; 7:81–82; 8:100–103, 111
terrestrial deposition, 121A12:401, 424
terrigenous component, 116B32:401–402, 406, 410
turbidites, 116A5:92; 116B1:7–13
unconformities, 116A5:92; 6:157; 116B17:209; 22:261; 32:398, 405
vertical distribution, 116B31:389
well-logging, 116B28:347, 349; 30:369–374
- Benguela Current system
biogenous sedimentation, 175A17:519
cold-water advection, 108A7:489
cool-water transport, 108B5:75
diatom productivity, 108B3:33
dissolution effect, 108B5:80
evolution, 175A1:9, 20; 9:226; 17:508
foraminifers, 175B12:6–7
headspace gases, 175A21:558
hydrography, 175B11:3
lipid biomarkers, 175B5:1–26
lipids, 175B10:1–34
microbial gases, 175A21:556
Miocene–Pleistocene sedimentary record, 175B6:1–19
ocean circulation, 155B21:373; 175A1:9–11; 17:508
opal, 175B4:1–16
organogenic dolomites, 175B15:1–17
productivity, 175B18:2–47
sediments, 175B17:1–12
transform faults, 159A1:14
upwelling, 175A1:7–12, 17–21; 12:342; 175B(synthesis):1–102; 14:1–26
See also Angola-Benguela Current system; Angola-Benguela upwelling system
- Benguela Current system S, upper Quaternary foraminifers, 175B7:1–26
- Benguela transect, paleoceanography, 175A17:509
- Benguela upwelling area, iron sulfide formation, 117B31:517, 519
- Benguelan system
temperature, 166B2:19
upwelling, 208A1:11
- Beni-Busera peridotite (Spain S), extensional basins, 161A1:9–10
- Bent Hill (Mid-Atlantic Ridge)
comparison with Dead Dog, 169A4:160–162
geochronology, 169B4:1–15
hydrothermal circulation, 169A1:9–11; 169B10:31
lithologic units, 169A3:46–55
massive sulfides, 169B10:7–12

- permeability and electrical and thermal properties, 169B8:1–42
- site description, 169A3:35–152; 169B10:3–4, 35
- sulfide mineral chemistry and petrography, 169B5:1–34
- vein networks, 169B9:1–25
- Bent Hill massive sulfide, hydrothermal circulation, 169A1:10–11; 3:37–38, 61–67
- Bent Hill vent field
 - acoustic images, 139B43:682
 - fluid inclusions, 139B21:411–412
 - geochemistry, 139B11:210–211
 - heat flow, 139A2:33
 - hydrothermal alteration, 139A6:230; 139B9:134; 10:157; 11:226, 230–231
 - igneous rocks, 139B6:84–97
 - magnetic surveys, 139B2:30–33
 - reaction zones, 139B44:715
 - thermal conductivity, 139B45:724
 - vent site map, 139B20:398
- Benue Trough
 - Cretaceous, 159B10:93–99
 - extension tectonics, 159B10:96–97
 - stratigraphy, 159B10:95
- Beothuk Ridge (Newfoundland), geology, 103B44:798, 800
- Bering bridge, plant migration, 151B15:293
- Bering Sea
 - carbonates, 145B12:201
 - drilling, 151A1:22
 - Oligocene water movement, 145B38:588–589
 - opal flux, 127/128B(2)26:439
 - See also* Karaginsky Island; Zenkevich Rise
- Bering Sea Basin, plate fragment, 124B3:39
- Bering Strait, deepening, 145B21:317
- Berkeley Canyon (New Jersey coastal plain)
 - debris flows, 150B11:225–226
 - lithofacies, 150B11:208–209
 - seismic reflectors, 150A10:339, 344
 - siliciclastics, 150B11:219–220
 - submarine canyons, 150B15:292
- Berlanga Rise (Pacific Ocean equatorial), fossil spreading center, 138A(1)10:242
- Berlengas (Portugal), Hercynian basement, 103B1:5, 8
- Berlengas-Farilhoes archipelago, basement, 103B1:8
- Berlengas-Farilhoes Islands (Iberia abyssal plain), metamorphic rocks, 149B47:729
- Bermeja peridotite massif (Spain S), lithostratigraphy, 161B23:310
- Bermuda Rise, 172A6:251–308
 - bathymetry, 102A3:98–99
 - composite depths, 172A7:313
 - Dansgaard–Oeschger cycles, 172B5:1–24
 - geology, 102B1:3–17; 2:19–26; 5:64–67; 11:155–156
 - lithology, 102A3:100–102
 - magnetic excursions, 172B10:1–18
 - organic geochemistry, 172B1:1–9
 - paleoceanography, 172A1:9
 - sedimentary regimes, 102B1:5
 - sedimentation, 172A7:311
 - seismic reflectors, 102B1:6
 - site description, 172A6:251–308
 - See also* East Bermuda Rise; Site 1063; Sites 1063–1064
- Bermuda Rise Formation (Atlantic Ocean subtropical), lithologic units, 210A3:63
- Bermuda Rise NE
 - carbon dioxide, 172B3:1–16
 - sediment drifts, 172A1:7–8
- Bermuda Seamount
 - magnetic mineralogy, 121B28:539
 - suboptical exsolution, 121B28:535
- Bethany Beach Formation (Delaware)
 - lithology, 174AXS_A3:59–60
 - lithostratigraphy, 174AXS_A3:20–21
 - palynomorphs, 174AXS_A3:35–36
- Bethany Beach Site, 174AXS_A3:1–84
 - background and objectives, 174AXS_A3:5–8
 - biostratigraphy, 174AXS_A3:35–44
 - lithostratigraphy, 174AXS_A3:16–34
 - Miocene sequence ages, 174AXS_A(summary):27
 - operations, 174AXS_A3:8–16
 - site description, 174AXS_A3:1–84
 - site summary, 174AXS_A3:1–5
 - stratigraphy, 174AXS_A(summary):4–5, 38
 - strontium isotope stratigraphy, 174AXS_A3:44–48
- Betic Cordillera (Spain S)
 - basement, 161A6:230; 161B22:302
 - crustal stretching, 161B44:576
 - metamorphic rocks, 161B20:290–291; 23:307–317
 - metamorphism, 161B44:571
 - Miocene, 161A1:6–8
 - paleogeography, 161B44:556–559
 - pollen sources, 161B36:463
 - sediments, 161B5:69–76
 - See also* Western Betic Cordillera
- Betic Orogeny, compression, 149B41:654, 656
- Bey Daglari carbonate platform unit (Turkey)
 - geology, 160B54:738–741
 - tectonics, 160B54:750
- Beysehir-Hoyran Nappes (Turkey), tectonics, 160B54:770–771
- Big Brook (New Jersey coastal plain), ostracodes, 150X_B21:289
- Bigbendian Transgression (Alaska), foraminifers, 151B10:191
- Bight of Angola, paleoclimatology, 175A1:15–17
- Bigwan Fo (d'Entrecasteaux collision zone)
 - igneous rocks, 134A9:199–200
 - lithostratigraphic units, 134A9:194
 - tectonics, 134A9:230–231
- Bigwan Tri
 - lithostratigraphic units, 134A9:194
 - tectonics, 134A9:230
- Bigwan Tu
 - lithostratigraphic units, 134A9:194
 - tectonics, 134A9:230
- Bigwan Wan
 - lithostratigraphic units, 134A9:194
 - tectonics, 134A9:229–230
- Bikini Atoll
 - biostratigraphy, 129B12:231
 - correlation, 129B12:240

- See also* Pikinni Atoll
- Biscay Bay N, rifting, 173A1:7
- Bismarck Sea
geology, 193A1:1–84
See also Djaul transform fault
- Bismarck Strait
deglaciation, 178B34:4
Neoglacial, 178B34:7
- Bitlis-Puturge massifs, tectonics, 160B54:761
- Bitlis Suture Zone (Turkey), tectonics, 160A1:6;
160B54:763, 770
- Bjørn Drift (Atlantic Ocean N)
bathymetry, 162A1:13
magnetostratigraphy, 162B8:114–116
multisensor track data, 162B18:247–257
planktonic foraminifers, 162B2:23–24, 28
pore water, 162A6:192–193, 195–196
sediment drifts, 162A1:14
- Black Sea
glucoseamine/galactoseamine ratio, 112B36:563–564
mud domes, 160B50:670
oxygenation conditions, 127/128B(1)41:705
pyrite, 127/128B(1)41:712
sedimentation rates, 103B35:604–605
shale mineral composition, 103B35:605
trace metals, 127/128B(2)85:1361
- Black smoker complex (East Pacific Rise)
geochemical section, 158B27:365–366
hydrothermal fields, 158A1:9–13; 2:18–19; 158B1:7–8
lead isotopes, 158B8:104–109
lithostratigraphy, 158B18:232–236
petrology, 158A10:199–200
sulfur isotopes, 158B5:76
- Blake-Bahama Basin
gravity flows, 101B12:188
Hatteras Formation, 171B_A3:77
Rock-eval pyrolysis data, 171B_A6:285
See also Great Abaco Fracture Zone; Great Isaac 1 well
- Blake-Bahama Formation
“black shales,” 113B15:194
pelagic limestones, 123B40:751
stratigraphy, 103A12:600–601; 103B32:533–534, 536–540; 33:557–558
synrift sedimentation, 210B1:25–27
- Blake-Bahama Outer Ridge, 172A5:157–250
abyssal mud waves, 101B26:403
carbon dioxide, 172B3:1–16
composite depths, 172A7:313
gas hydrates, 172A7:321
geology, 172A1:7–11
magnetic susceptibility, 172B4:1–22
sedimentary structures, 172B7:1–37
sedimentation, 172A7:311
seismic reflectors, 154A3:46, 50
site description, 172A5:157–250
temperature calibration, 141B20:264
See also Site 1060; Site 1061; Site 1062
- Blake-Bahama Outer Ridge (deep), site description,
172A5:157–250
- Blake Escarpment, seismic reflectors, 171B_A1:6
- Blake Nose
Barremian drowning, 101B13:194
Eocene volcanic ash layers, 171B_B8:1–10
geochemistry, 171B_A:209–210; 171B_B1:1–10
geologic history, 171B_A7:357–360
geology, 171B_A1:5–10
magnetostratigraphy, 171B_B9:1–58
planktonic foraminifers, 171B_B3:1–12
stable isotope stratigraphy, 171B_B5:1–14
strontium isotopes, 171B_B2:1–17
- Blake Outer Ridge, 172A4:77–156
carbon isotopes, 127/128B(1)6:88
chlorinity, 112B32:521
gas hydrates, 112B32:523
lithology, 164B23:229–236
magnetic excursions, 172B10:1–18
magnetic susceptibility, 172B4:1–22
paleoceanography, 172B(overview):5–6
site description, 172A4:77–156
See also Site 1057; Site 1059; Sites 1056–1058
- Blake Outer Ridge (intermediate depth), site description,
172A4:77–156
- Blake Plateau
carbonate platform drowning, 101B29:458, 465
depocenter, 101B26:395–396
geologic history, 101B29:463
geology, 171B_A1:5–10
magnetostratigraphy, 101B23:330
ocean circulation, 165B17:267
platform drowning, 101B27:426
structure, 101B26:404
See also Little Bahama Bank
- Blake Ridge
authigenic carbonates, 164B30:301–312
biostratigraphy, 164B33:331–341
compressional wave velocity, 164B27:265–272
diagenesis, 164B13:139–146
gas hydrates, 164A1:5–12; 164B1:3–10; 2:13–46;
25:247–249
gas sources, 164B7:67–78
geochemical logs, 164B21:199–215
geology, 164A1:9–10
geomicrobiology, 164B36:379–391
geotechnical properties, 164B40:421–429
grain size, 164B24:237–245
hydrocarbons, 164B5:47–58; 8:79–85; 9:87–128
magnetostratigraphy, 164B39:411–418
noble gases, 164B16:165–170
oxygen isotopes, 164B6:59–66
pore water geochemistry, 164A9:300–301;
164B12:129–137
pressure core sampler, 164B43:439–443
rock magnetism, 164B38:401–409
sediment composition, 164B31:313–324
seismic and thermal surveys, 164B26:253–264
seismic profiles, 164A4:47–56, 59
seismic reflectors, 164B28:273–281
structure, 164A4:47–48
water content and porosity, 164B41:431–434
well-logging, 164B19:179–191; 20:193–198

- See also* Blake Outer Ridge; Blake Ridge Diapir; Cape Fear Diapir
- Blake Ridge (South Carolina), sulfate, methane, alkalinity, magnesium, and calcium, 204B16:13
- Blake Ridge Diapir
authigenic carbonates, 164B29:285–300
gas hydrates, 164B22:219–228
geotechnical properties, 164B40:421–429
origin, 164A8:272
salinity, 164B1:5–7
seafloor pockmarks, 164A8:249–250
- Blake Ridge Formation
intraclastic chalks, 101B29:469
lithologic units, 210A1:15, 17; 3:63
- Blake Ridge transect, sediments, 164B1:3–4
- Blake Spur. *See* Blake Nose
- Blake Spur Fracture Zone, Moho sequence seismic stratigraphy, 118B10:219, 225
- Blanca group (Spain), lithostratigraphy, 161B23:308–314
- Blanco Fracture Zone (Oregon margin)
geology, 169A1:11–13
tectonics, 139A2:10–11
- Blosseville Kyst (Greenland E), preglacial sedimentary basin fillings, 163X_A8:5
- Blow Me Down Massif (Newfoundland), ophiolite, 137/140B24:283, 287–289
- Blue Bottle trend (Santa Barbara Basin), tectonics, 146B(2):5:62
- blue channel-levee system (Amazon Fan)
core-seismic integration, 155A6:117
lithofacies, 155B40:627; 41:662
lithologic units, 155A14:433
remanent magnetization, 155A14:422; 24:702
sediments, 155A9:230; 14:424
See also Amazon/aqua/purple/blue channel-levee system; Amazon/blue/channel-levee system; Amazon/brown/aqua/purple channel-levee system; purple/blue/yellow channel-levee system
- blue marl (New Jersey coastal plain), Eocene, 150X_B16:209–210
- Blue Mountains (Oregon), *Parvicingula* sp., 123B7:44
- Bocaña de Virrila (Peru margin), evaporitic system, 112B25:424
- Bocono fault (Caribbean plate), lithofacies, 165B7:131
- Bohemian Massif, compressive phases, 103A5:84
- Bolivia, volcanism, 201B19:3
- Bonaparte Basin (Australia NW shelf)
Miocene uplift, 123B37:693
See also Malita Graben
- Bonavista platform (Newfoundland), geology, 103B44:788–789
- Bonin arc
coring, 132A9:233–235
rift-zone map, 132A1:11–12; 3:47
rifting, 126A1:5
system construction, 125B9:156–157
See also Izu-Bonin arc
- Bonin forearc
basement 126A1:6–7
organic geochemistry, 135B44:709
- Bonin Islands
boninite, 126B32:497
clockwise rotation, 125B1:8; 38:629
formation, 126A1:9
intraoceanic forearc basement, 126A1:6
magnetic declination anomalies, 126B24:353
outer-arc high, 126B31:467
potassium-argon dating, 126B42:632
uplift-subsidence history, 126A1:8; 126B42:630
volcaniclastic sandstone, 126B31:483
See also Minami-Somisu Caldera; Minamizaki; Palau-Kyushu-Bonin arc
- Bonin region. *See* Izu-Bonin arc; Izu-Bonin forearc; Izu-Bonin Islands; Izu-Bonin-Mariana region; Izu-Bonin outer-arc high; Izu-Bonin Trench
- Bonin Ridge, uplifts, 126B42:630, 640
- Bonin Trough, rifting event, 125B9:156
- Bonins. *See* Mariana-Bonin forearc; Mariana/Izu-Bonin convergent margins
- Bopladsdalen Formation (Greenland), stratigraphy, 152B16:225
- Borabi Reef (Gulf of Papua), schematic cross section, 133A(1):1:23
- Boreas Basin (Greenland Sea), physiography, 151A1:11; 151B1:7–9; 162A1:6
- Borneo
Celebes Sea sediment source, 124B30:406
subduction, 184A1:4
tectonostratigraphic units, 124A3:39
- Boso Peninsula (Japan)
Brunhes/Matuyama reversal, 126B23:346
magnetostratigraphy, 127A5:199
Shirahama Formation, 126B3:49
silicoflagellates, 145B41:639–640
virtual magnetic path, 126B23:349
- Bottaccione Gorge (Italy), Cretaceous/Tertiary boundary clay, 121B19:415
- bottom levee complex (Amazon Fan)
clay mineralogy, 155B9:189
correlation, 155B39:605
fabric, 155B27:449–450
lithofacies, 155B2:27
lithologic units, 155A7:165; 9:232
See also lower levee complex; middle levee complex; upper levee complex
- Bougainville Guyot. *See* Site 830
- Bougainville Guyot/New Hebrides island arc collision zone, structural interpretation, 134A2:26–29
- Bouguer Basin (Antarctica)
seismic stratigraphy and compressional wave velocity, 113B3:35
two-way traveltime reflectors, 113B3:34
See also South Orkney microcontinent
- Bouvet-Agulhas Plateau, hotspot activity, 115B1:5
- Bouvet Fracture Zone, peridotites, 118B21:361
- Bouvet hotspot (Southwest Indian Ridge)
peridotites, 147B6:114
predicted path, 121B26:516
- Bouvet Island (Atlantic Ocean S)
hotspot activity, 115B1:7
tectonics, 177A1:5–6

- tholeiitic basalt, 121A15:526
- Bouvet triple junction
 geology, 114A2:23
 tectonics, 179B(synthesis):4
- Bowes Canyon (Argo abyssal plain), sediment dispersal role, 123B5:128
- Brabant Island (Antarctica), clay mineralogy, 178B8:13
- Brahmaputra River
 Bengal Fan sediment source, 116B6:71–72
 sediment output, 121B15:298
- Bransfield Basin, siliceous surface sediments, 119B6:112
- Bransfield Strait (Antarctica)
 carbon isotopes, 113B50:890
 chlorite-illite province, 178B8:9
 glaciation, 178A2:6, 19
 organic matter recycling, 119B23:417
 perylene, 113B16:206
 productivity, 114B31:59
 sedimentation, 177A8:9
- Brazil. *See* Sergipe Basin
- Brazil-Argentine Current, paleoclimatology, 175A1:22
- Brazil Current, ocean circulation, 159B40:549–551
- Brazil-Malvinas confluence, paleoceanography, 189A1:13
- Brazilian Coastal Current, productivity, 175B18:2–4
- Brazilian shield
 continental margin, 155A1:5–16
 sedimentation, 154B31:470; 155B7:153–154, 156
- Brevard Fault Zone (Appalachians), mylonite velocity and silicon dioxide content, 118B12:247
- Bridgeton Formation (New Jersey coastal plain)
 lithologic units, 174AXS_A5:17
 stratigraphy summary, 174AXS_A5:57
- Brigadier beds, Australian NW margin, 123B37:683
- Brigadier trend, tectonic subsidence, 123B37:685, 695
- Brigantine member (New Jersey coastal plain)
 clay mineralogy, 150X_B5:60–61, 63
 lithostratigraphy, 150X_B2:21
 paleoenvironment, 174AXS_A:20–21
 revised definition, 150X_B14:186
 stratigraphy summary, 174AXS_A5:58
- British Columbia
 geology, 169S_A2:14
 sediment provenance, 168B2:56
See also Queen Charlotte Islands; Strait of Georgia; Vancouver Basin
- British Columbia coastal plain, sedimentation, 146B(1)1:13
- British Columbia margin. *See* Tofino Basin
- British Isles, M0 anomaly, 103A5:84
- Brito-Arctic igneous province (Greenland Sea)
 plant migration, 151B15:293
See also Norwegian Sea
- Brodeur Peninsula (Arctic Canada), geology, 105B3:45
- Broken Formation (Chile margin)
 accretionary prisms, 141B2:16–18, 20
 cores, 141A6:99, 105–106; 7:194; 8:262, 290–291
 lithologic contacts photograph, 141A6:108
 photograph, 146A(1)6:259
- Broken Ridge (Indian Ocean)
 age, 120B(1)1:7; 26:510–516
- basalts, 121B26:507–509
- bathymetry, 121B33:664
- biostratigraphy, 120B(2)62:1084; 121A2:43–45; 13:483–485; 121B24:478–488; 44:921
- carbon isotopes, 120B(2)54:968
- carbonate accumulation, 115B25:484; 121B24:470, 473, 475, 477
- carbonate veins, 121B22:453–455
- chalk–limestone transition, 121A13:497–498
- circum-Antarctic seaway opening, 121A13:500
- coarse fraction, 121B44:937
- compaction history, 121B12:253–260
- consolidation effects, 121B12:253–260
- Cretaceous reconstruction, 120B(2)58:1060; 121A15:525
- Cretaceous/Tertiary boundary, 121A13:460, 463; 121B19:427
- crust/mantle boundary, 121A1:9
- deposition, 121A1:10; 13:467–469; 121B37:744, 747, 753, 760; 44:941
- depth, 121A4:84; 121B34:691
- diagenesis comparison, 121A13:463–464
- dipping and truncated sequence correlation across ridge, 121A4:72
- downlapping sequence, 121B37:744
- emplacement, 120B(2)50:921
- Eocene angular unconformity, 121A1:8; 4:71, 86; 6:112, 153; 7:171; 8:191; 13:457, 471; 121B22:447
- eolian dust, 121B9:219–221
- fining-upward sequence, 121A6:116; 8:194
- flexural rebound model, 121A4:86, 90; 121B34:690
- formation, 121A4:86; 13:457, 465, 470, 121B26:516; 34:681, 692; 37:747, 753, 760
- free-air gravity maps, 179A5:19
- geochemistry, 121A13:472–475
- geological setting, 121A4:71–72; 121B36:721
- geophysical logging, 121A2:59–60
- geothermal gradient, 121B27:522
- glaucinitic sediment, 120B(2)9:113
- hotspots, 115B1:3; 120A5:82; 121B26:507, 514
- hydrocarbons, 121B23:457–465
- inorganic geochemistry, 121A13:491–492
- Kerguelen Plateau comparison, 121A13:463–464; 121B44:938
- limestone pebble layer, 121A13:469
- lipid geochemistry, 121B24:473
- lithification, 121B13:261–269
- lithology summary, 121A13:471–472, 488–489, 491; 121B12:254–255; 36:729, 732, 734, 736; 44:935
- lithosphere, 121A1:5–12; 3:86–87
- lithostratigraphy, 121B16:359; 18:398; 21:437–438; 22:447
- location, 120B(1)1:5
- Maastrichtian–Eocene, 121B2:34
- magnetic basement depth, 121B34:683–684
- magnetic properties, 121A2:50–56, 63; 7:179; 12:371; 13:475, 488–491; 121B16:361–363, 367, 371–374; 34:682
- magnetostratigraphy, 121A13:488–491; 121B16:359, 363

- mass accumulation rates, 121B24:470, 477, 481
mass balance calculations, 121B22:452–453
models vs. observations, 121B34:691–692
Neogene currents, 121A13:469–470
nutrient source, 121B44:940
Oligocene disconformity, 121A13:457, 469, 471;
121B8:211; 10:229
organic carbon, 121B23:457–465
organic matter, 121A2:56–57; 13:492–495;
121B24:472–473
paleoceanography, 121A13:465–471; 121B44:936,
939–943
paleodepth, 121A4:81; 121B36:724; 37:746, 747, 753
paleoenvironment, 121A13:469; 121B44:936
paleogeographic reconstruction, 121A1:8
paleolatitude, 121B16:367–368, 371; 24:469; 36:724
pebble layer, 121A13:460
pelagic cap, 121A7:185–186; 13:457–458, 460;
121B44:936–937
physical properties, 121A2:57–59; 13:495–498;
121B12:254, 264; 34:682–683
physiography, 121B24:468
pore water, 121B22:447–455
postrift sequence, 121A1:10
prerift sequence, 121A1:10; 121B16:359; 27:522;
34:691
productivity, 121B19:420–421; 24:472
prograding downlapping wedge, 121A4:75, 79, 81–82
ridge evolution models, 121A4:89–90
rifting, 119A6:218; 120B(1)9:129; 51:931; 121A1:5;
121B16:359; 21:437–438
Santonian–Eocene hiatus, 121A4:71
Santonian–Maastrichtian, 121A13:500
sea level changes, 121B37:753
seafloor spreading, 120A5:83; 120B(1)1:9; (2)50:921;
51:933
sediment composition, 121B21:444
sedimentary sequence, 121A4:75, 77; 13:457–463
sedimentation rates, 121B36:735–740
seismic profiles, 121A1:5; 4:80, 84–86; 6:153; 7:185–
186; 8:225–226, 233; 9:254–255; 121B33:668–
669; 34:682; 37:743–744, 746–747, 756–759
seismic stratigraphy, 121A1:10; 4:72–75; 6:153, 156;
8:226; 9:255; 121B18:398; 33:663–670
shallow-water deposits, 121A13:460
silica mineralogy, 121B27:521–522
sites drilled, 120B(1)1:14
structure asymmetry, 121A6:151
subsidence, 121A4:87–90
summary, 121A:461
tectonic history, 119A1:5; 121A1:5–12; 4:89–90;
13:457; 121B44:933–934
tephra thickness, 121B44:936
topographic effects, 121A4:86–87; 121B34:684–692
trace elements, 121A13:474, 476–479; 121B31:594–
595
uplift formation, 121B21:437–438; 44:943
See also Kerguelen–Broken Ridge Plateau
Broken Ridge/Kerguelen–Heard Plateau
formation, 121A4:71; 121B37:747
rifting, 121B37:747
brown channel downfan (Amazon Fan)
lithologic units, 155A16:489
seismic profiles, 155B2:24
brown channel-levee system (Amazon Fan)
channel-levee system, 155B2:20
channels, 155A3:34
correlation, 155B39:606
deposition, 155A20:603
geochemistry, 155A16:478
lithofacies, 155B40:621, 630, 640
See also Amazon/brown/aqua channel-levee system;
Amazon/brown/aqua/purple channel-levee sys-
tem; Amazon/brown channel-levee system; le-
vee flanks
Browse Basin (Australia NW shelf), normal fault reactiva-
tion, 123B37:693
Bruce Bank (Scotia Sea), dinocysts, 189B4:14
Bullard Fracture Zone (South American–Antarctic plate
junction), geology, 114A8:365
Bunbury basalts (Australia)
age, 120B(1)2:35; 5:76
Antarctic Convergence, 119A2:7; 5:124
calcispheres, 120A9:305
geochemistry, 120B(1)2:39, 44
geologic setting, 120B(1)2:35
hotspots, 120B(2)50:921; 121A4:71
isotope geochemistry, 119B15:296; 120B(1)2:42
paleolatitude, 121B16:371; 39:802
physical property changes, 119A7:269
Site 744, 119A13:503
Site 747, 120A6:135
Site 748, 120A7:175, 222; 120B(1)9:126
Site 749, 120A8:268
well-logging, 119A7:271
Burdur Basin (Turkey SW), conglomerate comparison,
160B43:563
Burdur Fault Zone, offshore geology, 160B54:737
buried basement transect (Juan de Fuca Ridge)
basement, 168A1:11–12
drilling, 168A1:17–18
geochemistry, 168B8:100–102
site description, 168A6:161–212
stratigraphy, 168B2:53
Buruanga unit (Philippines), potassium-argon age,
124B23:323–325
Bushveld complex
biotite-magnetite association, 118B8:167
chlorine-rich apatite, 118B8:167
hortonolite pipes, 118B26:486
hydrothermal veins, 118B9:208
incompatible element-rich mineral association,
118B8:166–167
methane-bearing fluid inclusions, 118B9:209
Butcher's Creek (Queensland NW), palynostratigraphy,
133B10:120
Bwatigau Formation (Aoba Basin N), correlation,
134B26:471
Bylot Island (Arctic Canada), geology, 105A2:34;
105B3:45
Byrd ice core (Antarctica), millennial-scale variations,
202A1:116

Byrd Land (Antarctica), Cenozoic hyaloclastite deposits, 119A2:10

C

Cabo Codera (Venezuela), basins, 165B4:86
Cabo de Gata (Spain SE)
 tectonics, 161B44:568–569
 volcanics, 161A7:309; 8:362
Cabo Frio (Namibia), currents, 175B18:3–4
Cabo Ortegal (Spain NW), Variscan basement, 149B1:8
Cagayan Ridge
 anomalies, 124A4:44–45
 basement petrology, 124B19:254
 bathymetry, 124A4:44–48; 124B5:69–70
 carbonates, 124A6:96–97; 12:325–328
 clasts, 124A12:311
 clay mineralogy, 124A12:309–311
 deposition, 124A12:311–313; 14:403–404
 geochemistry, 124B41:531–539
 geological evolution, 124A3:38; 124B9:129
 gravity high, 124B5:71
 igneous rock petrology, 124A14:402
 inorganic geochemistry, 124A6:93–97; 12:325–330
 lithostratigraphy, 124A12:301–315; 14:400–405, 410–411; 124B9:131; 10:140–141
 location, 124A12:300
 magnetic properties, 124A12:319–325; 14:406–408; 124B2:11–28; 23:327; 38:511–518
 organic geochemistry, 124A11:330–332; 14:409
 petrography, 124A12:313–315; 14:402–403
 petrology, 124B19:256–259
 physical properties, 124A12:330–339; 14:409–411
 pore water, 124A12:325–330
 potassium-argon age, 124B23:324–325
 sedimentary units, 124A12:301–309; 14:400–402
 sedimentation rates, 124A12:323–327; 14:407–408
 seismic stratigraphy, 124A4:44–45, 63–69, 83–85; 12:335–341; 14:410, 412–414; 124B4:57; 38:518
 tectonics, 124B1:5–7; 4:52–56, 59–61; 11:169
 volcanic sequences, 124B13:181–182
 See also Panpanan basalt
Cajon Pass (California), wellbore breakouts, 123B26:505
Calabria/Sardinia collision zone, rudistid carbonate platform fragments, 107B1:7, 10
Calabrian accretionary wedge
 sapropel age, 160B14:187; 15:191–197
 tectonics, 160A5:87–88, 118
Calabrian arc
 Calabrian–Peloritian substrate, 107A3:53
 lithostratigraphy of postorogenic basin, 107A3:57
 tectonic evolution, 107A3:53, 57
 thin-skin tectonics, 149B1:14
Calabrian margin
 isopachs, 107A2:34
 seismic stratigraphy, 107A2:20; 107B38:621
Calabrian Ridge
 geology, 160A10:337
 tectonics, 160A1:16; 5:87–88
Calabride nappes, emplacement, 107B38:725
Caledonian orogeny, cessation, 104B1:7

California

 Monterey Formation, 167A(1)4:57; 5:92
 paleoceanography, 167B7:129–140
 planktonic foraminifers, 128A4:165
 silicoflagellates, 127/128B(1)14:237
 See also Franciscan complex; Great Valley sequence; Hueneme Canyon; Inyo dike; Klamath Terrane; Marin Headlands Terrane; New Idria; Sacramento River; San Benito Mountains; Santa Barbara Basin; Santa Clara River; Sierra Nevada Mountains; Sisquoc Formation; Transverse Ranges Province; Ventura River
California Bight, sedimentation, 146B(2)9:128
California borderlands
 basins, 146A(2)2:16
 intermediate water, 167A(1)1:7–8
 laminated stratigraphy, 112A14:366
 magnetite dissolution, 167A(1)5:103
 Neogene, 167B32:342–343
 rare earths, 167B19:235–238
 sedimentation, 146B(2)15:214; 167A(1)5:110–112
 teleconnections, 167B32:371–372
 See also Tanner Basin
California coast ranges, phacoidal serpentine, 125B20:363
California Countercurrent, paleothermometry, 167B10:153–161
California Current
 basins, 146B(2)23:309–311, 321–323
 evolution, 146A(2)2:18
 high-latitude radiolarian transport, 123B15:315
 ocean circulation, 138A(1)10:191; 138B1:6–8; 167A(1)1:5–13
 paleoclimatology, 167B21:253–254
 paleoecology, 167B17:220
 paleothermometry, 167B10:153–161; 12:183–194
 planktonic foraminifers, 167B2:58–59
 seasonal variations, 146A(2)2:19
 sedimentary record, 167B32:341–376
 sedimentation, 146B(2)6:81–82; 8:103–104, 118–119, 121; 9:133; 17:238; 21:281–284, 289
 sediments, 167B22:259
 teleconnections, 167B32:371–372
 transport, 167B32:345
California E. *See* Venado Formation
California margin
 biogenic opal, 167B16:213–214
 biostratigraphy, 167B1:3–40; 2:41–62; 3:64, 94–95, 104; 4:112; 7:130
 carbonate records, 167B26:297–302
 color images, 167B29:319–329
 index properties, 167B31:333–338
 magnetostratigraphy, 167B28:311–318
 millennial- to orbital-scale cycles, 167B32:354–363
 oceanography, 167A(1)1:5–13
 paleoceanography, 167B8:141–150
 phosphorus, 167B13:195–202
 sedimentary record, 167B32:341–376
 sedimentation, 167B11:163–182

- See also* Animal Basin; Conception transect; East Cortez Basin; Santa Monica Basin; Santa Rosa-Cortez Ridge; Santa Ynez coastal province
- California margin central, sediments, 167B22:255–261
- California margin N
paleoclimatology, 167B17:217–226; 20:239–245
palyngology, 123B20:421
terrigenous component, 167B18:227–234
- California margin S
geochemistry, 167B23:263–271
millennial cycles, 167B25:277–296
paleoclimatology, 167B21:249–254
- California N
deglaciation, 167B32:356–357
See also Kellogg shale; Quinault Canyon; Santa Lucia Bank
- California S
deglaciation, 167B32:357–358
See also Point Conception; San Pedro Basin; Searles Lake; Transverse Ranges Province
- Calle-Calle Canyon (Chile margin), tectonics, 141B31:380
- Caltanissetta Basin (Sicily S)
clay succession, 107B11:163
tectonics, 160A1:15
Tripoli Formation, 107B34:547
- Calvert Formation
biostratigraphy, 174AXS_A3:37–39, 41, 43
lithostratigraphy, 174AXS_A3:28–33, 62–63
nearshore sedimentation, 174AXS_A3:58
strontium isotope stratigraphy, 174AXS_A3:47–48
- Cambay Graben (India W), paleoposition, 121B39:818
- Cameroon. *See* St. Helena-Cameroon
- Campanian margin (Tyrrhenian Sea), seismic stratigraphy, 107A2:19, 30; 107B38:621
- Campanian Volcanic Province, geographic setting, 107B18:292
- Campbell Drift (Pacific Ocean SW)
carbonates, 181B8:1–5
lithologic units, 181A1:18–20
site description, 181A5:1–62
- Campbell Plateau (New Zealand)
age models, 181B1:13–14, 21
benthic foraminifers, 181B1:21
currents, 181A1:5
geologic cross section, 181A1:43
ice-rafted debris, 181B1:36–37
Kerguelen Plateau central, 120B(1)12:164; (2)56:1002
lithologic units, 181A1:15–18
marine sedimentation, 181A1:7–9
paleoceanography, 181A1:1–4
plate circuits, 130B43:701
site description, 181A5:1–62
tectonics, 181A1:3–4; 189B1:6
- Campbell Plateau central, site description, 181A4:1–77
- Campbell “Skin Drift”
age models, 181B1:13–14
sedimentation, 181B1:32
- Canada. *See* Davis Strait; Devon Island; Somerset Island
- Canadian Arctic archipelago, clay minerals, 105A3:45
- Canadian Arctic Islands, continental lithosphere, 123B37:681
- Canadian margin
Galicia Bank unconformity, 103B2:21
rift timing, 103B2:18, 30
- Canal Basin (Caribbean Sea), volcanic provenance, 165A4:184
- Canary Basin, geology, 157A1:5–10
- Canary Channel S, organic matter, 157B21:361–372
- Canary Current
circulation, 108A2:32; 4:223; 108B5:80
cold-water advection, 108A4:221, 223
dissolution effect, 108B5:80
- Canary Islands
drilling, 157A2:11–25
sediment provenance, 180B6:22
volcanism, 157B27:444–445, 464
See also Aguimes Formation; Azulejos Member; Diego Hernandez Formation; East Canary debris flow; East Canary Ridge; Fuerteventura; Gran Canaria; La Gomera; La Palma Island; La Palma seamount series; Las Canadas caldera wall; Llanos de la Paz Formation; Pico de Teide; Roque Nublo group; Roque Nublo Stratacone; South Canary Channel; Tenerife
- Canje Formation (Guyana Basin), geologic history, 207A1:4
- Canning Basin (Australia NW)
shale, 123B8:181
stress orientation, 123B26:505–506
- Cantabrian seamounts. *See* Le Danois Bank
- Cantabrian Trough, Cretaceous terrigenous shelf deposits, 103A9:240
- Cantabrian Zone
sediments, 103B1:6
See also Ventaniella fault
- Cantabrica fault (Galicia margin), location, 103A7:119
- Canterbury Basin (New Zealand)
lithologic units, 181A1:11–14
sedimentation, 181A1:11; 181B1:39
tectonics, 181A1:3
- Canterbury margin, lithologic units, 181A3:9
- Canterbury slope
age models, 181B1:13
site description, 181A3:1–112
- Cap Blanc (Africa NW), upwelling, 108A2:33; 3:106; 108B15:256; 112B34:543–544
- Cap Ortegá (Galicia margin), SeaBeam surveys, 103A5:84
- Cape Adare region (Antarctica), glaciation, 189B1:21
- Cape Basin
age models, 175B(synthesis):68; 22:1–19
biostratigraphy, 175A19:544–545
carbonates and organic carbon, 175B(synthesis):92
geology, 208A1:4–5
lithostratigraphy, 175A18:536–538, 542
Miocene–Pleistocene carbon burial, 175B6:1–19
ocean circulation, 154B30:459–460
productivity, 175B(synthesis):35–40
sedimentation rates, 175A19:544–545; 175B(synthesis):14–15; 1:1–23; 2:1–11

- stratigraphy, 175A23:573
- Cape Basin N
 - dolomite, 175B15:7
 - drilling, 175A1:17–18
 - headspace gases, 175A21:557–558
 - organic matter, 175A20:551–552
 - radiolarians, 175B3:1–16
 - sediments, 175B17:1–12
 - upwelling, 175A1:17–18
- Cape Basin S
 - drilling, 175A1:18–19
 - lipids, 175B10:1–34
 - stable isotopes, 175B12:1–22
 - upwelling, 175A1:18–19
 - well-logging, 175A12:380; 15:476–477
- Cape Darnley (Antarctica), bathymetry, 188A1:5
- Cape Dyer (Baffin Bay), geology, 105A2:34; 105B3:45
- Cape Fear diapir (North Carolina margin)
 - diagenesis, 164B13:139–145
 - geology, 164A1:9–10; 5:94–96
 - geotechnical properties, 164B40:421–429
 - salinity, 164B1:5–7
- Cape Fear Formation, deposition, 171B_A6:260
- Cape Fear slide
 - geochronology, 164B32:325–327
 - geology, 164A1:9–10
- Cape Finisterre (Iberia abyssal plain), continental margin, 173A1:7–12
- Cape Horn Current, circulation, 202A4:1
- Cape Lookout Bight (North Carolina margin), pyrolysis data, 112B38:585
- Cape May (New Jersey coastal plain)
 - bathymetry, 150A1:6–7
 - core recovery, 174AX_A1:15
 - lithostratigraphy, 174AXS_A1:21
 - Stone Harbor Formation, 174AXS_A7:65
- Cape May borehole, 150X_A1:5–28
 - aminostratigraphy, 150X_B26:355–357
 - biostratigraphy, 150X_A1:24–26; 150X_B10:120, 122–123, 125; 11:130–136; 13:161–165
 - boreholes, 150X_B1:9–10
 - clay mineralogy, 150X_B5:60
 - core description, 150X_A1:10–13
 - heavy minerals, 150X_B7:75–79
 - lithostratigraphy, 150X_A1:9–24
 - magnetostratigraphy, 150X_B22:301–303
 - Oligocene, 150X_B8:81–86; 15:191
 - operations, 150X_A1:7–9
 - Pleistocene, 150X_B26:355–357
 - site description, 150X_A1:5–28
 - strontium isotope stratigraphy, 150X_A1:26
 - summary and conclusions, 150X_A1:26–27
- Cape May Formation
 - lithofacies, 174AXS_A7:40
 - lithostratigraphy, 150X_A1:13–14; 174AX_A1:15; 174AXS_A2:16; 4:12; 6:19–20; 7:11–13
 - photograph, 174AXS_A6:74; 7:40
 - sediments, 150X_B4:53
 - stratigraphy, 150X_B1:7, 9–10; 174AXS_A2:2; 4:39; 6:66; 7:39
- Cape May Zoo Site, 174AXS_A7:1–66
 - amino acid racemization, 174AXS_A7:27–29
 - background and objectives, 174AXS_A7:5–7
 - core summaries, 174AXS_A7:57–59
 - introduction, 174AXS_A7:1
 - lithostratigraphy, 174AXS_A7:10–23
 - location, 174AXS_A7:38
 - operations, 174AXS_A7:7–10
 - site description, 174AXS_A7:1–66
 - site summary, 174AXS_A7:1–4
 - Stone Harbor Formation, 174AXS_A7:65
 - strontium isotopes, 174AXS_A7:24–26
 - summary and conclusions, 174AXS_A7:29–31
- Cape Muroto (Japan)
 - negative polarity, 190/196B15:1–16
 - subduction, 190/196B3:3
- Cape of Sines
 - basement, 103B1:8
 - Hercynian, 103B1:3, 5
- Cape Olyutorsky (Pacific Ocean N), terranes, 145B12:200
- Cape Sao Vicente (Cape Verde Plateau)
 - basement, 103B1:8
 - continental margin, 173A1:7–12
 - Hercynian, 103B1:3, 5
- Cape transect (African margin SW), paleoceanography, 175A17:509
- Cape Verde. *See* Fogo Basin
- Cape Verde Plateau
 - lithology, 108B18:311
 - microphysiography and seismic character, 108A4:224
 - See also* Cape Sao Vicente
- Cape Verde Rise
 - basalt petrography, 121B29:549–550
 - carbonaceous shale contact metamorphic effects, 121B29:550
 - intrusive vs. extrusive basalts, 121B29:550
 - methane/ethane ratio, 121B29:550
- Cape Vogel (Woodlark Basin)
 - basement, 180B(synthesis):6
 - boninite evolution, 180A3:3–6
 - evolution, 180A3:4–5, 8
 - low-calcium boninite, 125B9:155
 - sedimentation sources, 180A6:32–33
- Capilano sediments (Strait of Georgia), geology, 169S_A2:14
- Capo Nazca (Peru margin), upwelling centers, 112A18:706; 19:804; 112B21:355
- Capo Rossello (Sicily/Italy), sapropels, 161A1:11
- Capricorn Basin, lithostratigraphy, 133A(1)1:13
- Capricorn-Bunker Reefs (Great Barrier Reef), schematic section, 133A(1)1:19
- Capricorn Channel, schematic section, 133A(1)1:19
- Capriolo (Italy), Cretaceous, 185B5:13
- Cargados Carajos (Mascarene Islands), underlying volcanic ridge, 115A1:5
- Cariaco Basin (Venezuela margin)
 - anoxic deposits, 165B7:125–140
 - circulation, 165A1:9
 - hydrography, 165B16:240
 - Neoglacial, 178B34:7

- oxygenation conditions, 127/128B(1)41:705;
165A7:361
- paleoceanography, 165B16:239–247
- Quaternary, 178A2:16–17
- sedimentation, 165A7:370
- site description, 165A7:359–373
- stratigraphy and sedimentation, 165B4:85–99
- Cariaco Trench, dissolved bromide, 112B30:502
- Caribbean arc, Mesozoic location, 110B4:36–37
- Caribbean Basin. *See* Aves Ridge; Aves Swell
- Caribbean bioprovince, postrift sedimentation,
210B1:31
- Caribbean core P6304, iridium accumulation rate,
119B47:855
- Caribbean Current
- erosional events, 165A5:234, 275
 - general circulation models, 165B17:267–269
 - Neogene, 165A1:9; 165B2:29
 - pelagic sedimentation, 165A8:379–380
- Caribbean/loop current system, ocean circulation,
165B17:267–269
- Caribbean plate
- basement, 165A8:393
 - convergent margins, 205A1:7–8
 - formation, 165A4:160
 - geology, 156A1:3–11
 - paleolatitude, 165B9:149–173
 - plate boundary, 170A1:7
 - seismicity, 170A1:7–9
 - tectonics, 202A1:7
 - underthrusting, 171A_A1:5–6
- See also* Bocono fault; Chorotega block; Chortis block
- Caribbean region
- Miocene volcanic paleogeography, 165A8:387
- See also* Chalatenango Formation
- Caribbean Sea
- biostratigraphy, 123B21:434; 165B1:3–17; 3:57–81
 - geologic history, 138B35:748–749; 165A1:7–13;
165B2:29
 - high-resolution well-log data, 165B11:191–203
 - Miocene, 165B5:101–113; 17:249–273
 - ocean circulation, 165B17:253
 - paleoceanography, 165B18:275–283
 - pore water geochemistry, 165B19:287–298
 - productivity compared with Antarctic, 114B31:591
 - strontium isotopes, 117B27:462
 - synthetic seismograms, 165B12:205–217
 - tectonics, 145B21:315
 - terrigenous matter and dispersed ash, 165B6:115–124
 - volcanism age, 165B20:299–314
- See also* Canal Basin; Coyal group; Formation A-K; Pacific-Caribbean Gateway; Pedro Bank; Pedro Channel; San Pedro Formation; Tortuga Bank; Walton Basin
- Caribbean Sea W. *See* Serranilla Bank
- Caringa Cays (Australia NE), schematic cross section,
133A(1)1:23
- Carlsberg Ridge (Indian Ocean)
- plate tectonics, 115B2:18; 116B22:265
 - seafloor spreading, 117A5:54
 - tectonic history, 117A1:5; 5:61
- Carnarvon Basin (Australia NW)
- Barrow Delta deposits, 123B1:47
 - Birdrong sandstone, 123B4:95
 - geology, 120B(1)9:113
 - Marssonella* association, 123B14:283
 - strike-slip faulting, 123B37:693
- See also* Muderong shale
- Carnegie Ridge (Pacific Ocean SE)
- deep water, 138B42:831
 - magnetic properties, 111B13:156
 - mass accumulation rates and age models, 202A1:19–
20
 - ocean circulation, 138B44:864
 - plate tectonics, 170B7:1–10; 205A1:6–7
 - sedimentation, 138A(1)11:313–317; 138B1:8
 - site description, 202A9:1–101; 10:1–93
 - spreading centers, 138A(1)1:6–8
 - surface sediments, 138A(1)8:101–102
 - tectonics, 138B17:381
 - winnowing of carbonate pelagic sediments,
121B8:212
- Carolina Rise (Atlantic Coastal Plain SE)
- gas hydrates, 164A1:5–12; 164B1:3–10
 - geology, 164A1:9–10
- Carolina Rise diapirs
- geology, 164A1:9–10
 - rock magnetism, 164B38:401–409
- Carolina slope, 172A3:33–76
- geology, 172A1:7–11
 - sedimentation, 172A7:311
 - site description, 172A3:33–76
- See also* Site 1054; Site 1055
- Carolina Trough
- diapirs, 164A8:272
 - geology, 164A1:9–10
- Caroline Basin (Pacific Ocean SW), plate reconstructions,
130B43:705–706
- Caroline Ridge (Pacific Ocean W), Horizon B,
129B31:567
- Carpathian basins (Poland), geology, 105B36:717
- Carpathian mountain belt, geology, 105B36:708
- Carpathians
- benthic foraminifers, 123B13:246; 39:747
 - deepwater agglutinated foraminifers, 124B12:171,
174–176
- Carpentaria Basin (Australia), *Ammobaculites* association,
123B14:283
- Carson Basin (Newfoundland Basin)
- geology, 103B44:787, 796
 - rifting phases, 210B1:6
 - sedimentary facies, 103B44:806
 - stratigraphy, 103B44:799, 801
 - structure, 103B44:798–799
- Carteret Canyon (New Jersey coastal plain)
- debris flows, 150B11:225–226
 - sediments, 150A1:8
 - strontium isotope stratigraphy, 150B6:107–108
 - submarine canyons, 150B15:292
- Cascade margin, north-south variability of deformation
and fluid venting, 204B3:1–15
- Cascade Range, sediment provenance, 168B5:58

- Cascade Seamount Guyot
deposition, 189A1:8
history, 189A1:48
- Cascades. *See* Fraser glaciation
- Cascadia. *See* Yellowstone mantle plume
- Cascadia accretionary complex
gas hydrates, 204B1:1–40
geology, 204A1:4–6
pore fluids, 146B(1)30:431–438
- Cascadia accretionary prism
authigenic carbonates, 204B5:1–8
bottom-simulating reflectors, 146B(1)33:457–463
fluid flow, 146B(1)28:413–421
hydrothermal circulation, 168A1:7–10
magnetic anisotropy, 146B(1)14:233–254
porosity, 146B(1)20:313–335
pressure and temperature, 146B(1)19:299–311
sedimentation, 146A(1)6:293
See also Nitinat Fan
- Cascadia Basin
clay mineralogy, 204B7:4
hydrothermal circulation, 168A1:7–10; 4:50
sediment provenance, 168B5:58
See also Barkley-Nitinat Canyon network
- Cascadia Basin NW
sediments, 168B6:67–84
turbidites, 168B5:51–65
- Cascadia Channel, sedimentation rates, 168B5:52
- Cascadia forearc. *See* Daisy Bank fault
- Cascadia margin
bathymetry, 204B3:12
biostratigraphy, 146B(1)3:47–62; 4:63–77; 5:79–113; 24:369–374
carbonates, 146B(1)6:117–136
consolidation and sediment strength, 204B12:1–148
dewatering, 146A(1)11:421–423; 146B(1)15:257–274
diagenesis, 146B(1)25:375–384
drilling results, 146A(1)9:389–396
fluid evolution, 204B13:1–20
fluid venting, 146B(1)27:399–411
gas hydrates, 146B(1)10:175–187
hydrocarbon gases, 146B(1)21:439–449
magnetic susceptibility, 146B(1)32:451–453
microstructures, 146B(1)12:201–232
organic geochemistry, 146B(1)26:385–397
sand, 146B(1)29:425–429
sediments, 146B(1)1:3–31; 2:33–43; 11:191–199; 16:275–280
summary, 204A1:1–75
tectonics, 146A(1):5–6
See also Astoria Fan; Hydrate Ridge
- Cascadia N. *See* gas hydrate Structure I; gas hydrate Structure II
- Cascadia subduction zone
clay mineralogy, 204B7:1–15
gas hydrates, 167B32:353
geology, 204B1:3–5
hydrothermal circulation, 168A1:7–10
tectonics, 204A1:51
See also Eel River Basin; Fulmar fault
- Cascais Canyon (Iberian margin W), continental margin, 149B1:4, 6
- Caspian Sea
triterpanes, 172B1:5
See also JV Armaan well
- Castle Cove limestone (Great Australian Bight), planktonic foraminifers, 182B4:10
- Cat Gap Formation, Blake–Bahamas Basin, 149A8:267
- Cato Trough (Tasman Sea)
schematic section, 133A(1)1:19
tectonics, 194A1:4–5
- Cay Sal Bank (Florida Straits)
sedimentation rates, 166A9:245–246
subsidence curves, 101B27:426, 428
- Cayman Fracture Zone, volcanism, 165A8:390
- Cayman Islands. *See* Mid-Cayman Rise
- Cayman Ridge
geology, 165B9:151; 20:308–309
origin, 165A3:103
plate tectonics, 165A8:390
seismic stratigraphy, 165A3:50–51
tectonics, 165A3:85
volcanism, 165A3:86; 6:347; 8:388–390
- Cayman Rise, 165A3:49–129
age models, 165B17:255, 257
carbonate crash, 165A4:152; 8:382
Eocene plate tectonics, 165A8:390
geology, 165B9:151
pelagic sedimentation, 165A8:378–379
seismic stratigraphy, 165A3:50–51; 165B12:208–209
site description, 165A3:49–129
tectonics, 165A3:95–96, 103–106; 165B20:308–309
volcaniclastics, 165A3:85–86
volcanism, 165A8:388–390
- Cayman Trench, volcanism, 165A3:86
- Cayman Trough
bathymetry, 165A5:234
geology, 165B9:151
greenschist-facies alteration, 118B26:489
mica in gabbro, 118B8:168
seismic stratigraphy, 165A3:50–51; 5:232
volcanism, 165A3:86; 8:390
- Cayman Trough Fracture Zone, volcaniclastics, 165A3:85–86
- Cayman volcanic arc, volcanism, 165A8:388–390
- CDW. *See* Circumpolar Deep Water
- Ceara Rise
beryllium isotopes, 154B26:389–394
biostratigraphy, 154A9:438; 154B1:3–31, 33–68
calcite, 154B34:491–499
carbon isotopes, 154B35:501–505
carbonates, 154A9:436–437; 154B12:189–199; 15:229–237
composite section, 154A9:427
cyclostratigraphy, 154B5:101–114
elastic properties, 154B8:151–155
gamma ray logs, 154B6:117–134
geochemistry, 154B32:475–481
Leg 154 synthesis, 154A9:421–442
lithostratigraphy, 154A9:421–427
oceanography, 154A1:5–10

- oxygen isotopes, 154B13:201–206
paleoceanography, 154A9:440–441; 154B14:207–228;
16:239–253; 18:269–284; 19:297; 20:299–318;
21:330; 25:375–388; 30:451–461
paleoclimatology, 154B28:433–439; 175B(synthe-
sis):85
physical properties, 154B9:157–168
pore water, 154A9:437–439
rock magnetism, 154B10:169–179; 11:181–186
sedimentation, 154A9:424–426, 430, 436;
154B23:349–365; 31:465–473
sediments, 154B7:135–149; 36:507–526
seismic surveys, 154A3:39–52
silica, 154B33:483–490
site-by-site correlation, 154A9:427
stratigraphy, 154B29:441–449
terrigenous sedimentation, 154A9:436–437
timescale, 154A9:438–440
well-logging, 154A9:438–440
Ceara Rise (Atlantic Ocean W equatorial)
carbon isotope maximum, 177B(synthesis):36
carbonate content, 165B17:265, 269–270
terrigenous accumulation rates, 165B6:123
Cefalu Basin (Tyrrhenian Sea), evaporitic sequence,
107B38:621
Celebes. *See* Miri Platform
Celebes Sea
anomalies, 124A4:44–45; 10:125
basement, 124A3:35; 10:169; 13:369–373;
124B17:235
bathymetry, 124A4:44–48; 10:124; 124B5:65–66
calcium carbonate, 124A10:153; 13:356–357
clay mineralogy, 124A10:137–139
crust, 124B6:75–90
deepwater agglutinated foraminifers, 124B12:171–
180
deposition, 124A10:143; 13:347–349
Eocene–Oligocene water depths, 124B33:454–455
gases, 161A7:319
geochemical logs, 124B42:541–552
geochemistry, 124A13:369–373; 124B41:531–539
geological setting, 124A3:35–41
geophysics, 124A5:87–88; 124B5:65–73
glaciation, 124A13:350
grain-size data, 124A10:139–140
gravity surveys, 124B5:67–68
heat flow, 124B5:65
inorganic geochemistry, 124A10:152–157, 176–178;
13:356
lithology, 124A10:168–169; 13:346–347, 359–360,
362–369
lithostratigraphy, 124A10:128–143, 174–176; 13:346–
350; 124B3:41; 12:172; 20:273–275
location, 124A10:123; 124B14:204
magnetic properties, 124A5:88; 10:147–151; 13:353–
354; 124B1:4–5; 2:11–28; 3:40–42; 4:59; 5:68–
70; 39:519–520
maps, 124A10:126
mass accumulation rates, 124B33:455
mineralogy and petrogenesis, 124B22:313–316
organic geochemistry, 124A10:157–159; 13:356–359
organic matter, 124B15:218–220; 18:240
origins, 124B1:5
palynological correlations, 124B27:369–373
petrography, 124B11:275–277
physical properties, 124A10:160–168, 175–177;
13:357–359; 124B6:81; 7:92–93; 37:507–510
pore water chemistry, 124A10:153–157; 13:356–358
sediment mass accumulation rates, 124A10:151–152
sedimentary lithologic units, 124A10:128–137;
13:376–379, 383–384
sedimentation rates, 124A13:354–356
seismic stratigraphy, 124A4:44–51, 70–82; 5:88;
10:179–182; 13:382–384; 124B3:43; 4:58; 5:67
stress measurements, 124A13:344–345, 381–382
summary log, 124A10:186–193; 13:386–397
tectonic setting, 124B1:3–5; 22:312; 30:400
volcanic ash petrology, 124A10:141–142
volcaniclastics, 124A10:140–141
well-logs, 124A10:169–179; 13:374–381
Celebes-Sulu block
Neogene evolution, 124B4:61, 63
tectonic framework, 124B4:52–53
Celtic Sea Basin, opening, 103A5:79
Central America
Miocene explosive volcanism, 165B20:311
seismogenic zones, 205A1:5–6
subduction zones, 205A1:1–3
tephra source areas, 165B5:105
volcanism, 165A8:389
See also Middle America Trench
Central America S, tectonics, 170A1:8–9
Central American arc S, volcanic provenance,
165A4:183–184
Central American assemblage, paleobioprovinces,
144B50:890–892
Central American Cordillera. *See* Tehuantepecker upwell-
ing event
Central American Isthmus
biostratigraphy, 170B5:18
closure, 202A1:7, 30–32; 202B1:13–17
Central American Seaway
closure, 138B25:575; 165A1:9; 4:207; 5:275; 8:384–
385; 165B2:29; 17:267; 185B4:1, 9
mass accumulation rates, 165A8:379
Miocene tectonics, 165B17:252
paleoceanography, 170B6:5–6
pelagic sedimentation, 165A8:379–380
planktonic foraminifers, 165A4:154–155
sedimentation, 114A11:687
See also Choco block; Panamanian Seaway
Central Basin fault (West Philippine Basin), geology,
195A1:15–16
Central fault (Tyrrhenian Sea)
formation, 107B38:634
geologic setting, 107A8:410
post-Messinian activation, 107B14:221
stratigraphic succession, 107B38:619
vertical relief, 107B14:223
Central High (Shatsky Rise)
seismic lines, 198A11:17–19
seismic reflection, 198A11:9

- tectonics, 198A1:6–8
- Central Hill (Escanaba Trough)
 - hydrothermal alteration, 169A6:259; 169B10:5–6, 20–21, 34
 - hydrothermal deposits, 169A6:257–258
 - hydrothermal fluids, 169A6:258–259
 - hydrothermal site, 169B6:1–24
 - site description, 169A6:253–298
 - sulfide mineralization, 169A6:259
 - tectonic activity, 169A6:256–257
 - volcanic activity, 169A6:257
- Central Iberian Zone
 - geology, 103B13:210
 - magmatism, 149B1:15
 - rifting phases, 210B1:6
 - Variscan basement, 149B1:7–8
- Central Indian Basin
 - bathymetry, 116B22:267
 - deformation, 116B24:291
 - gravity anomalies, 116B22:277
 - magnetostratigraphy, 121B38:765
 - tectonic chart, 121B38:765–766
- Central Indian Ridge
 - age, 115A10:733
 - diffuse plate boundary, 116B22:263; 23:281
 - formation and hotspot activity, 115A4:129
 - ocean crust creation, 115A1:5
 - seafloor spreading and volcanism, 115B4:49–50
- Central Lau spreading center
 - basalts, 135B26:473–475; 28:505–507
 - geochemistry, 135B24:386–425; 43:689–707
 - hydrothermal deposits, 135B5:75–76, 84–85
 - igneous rocks, 135B55:887
 - lava, 135B29:529–530
 - morphotectonics, 135A(1)5:184–186
 - petrology, 135B25:439–441
 - propagation, 135B2:9, 20; 28:511–512; 51:819–828
 - seafloor spreading, 135B18:288, 298
 - sonar imagery, 135B23:373–375
- Central volcanic zone (Andes), explosive volcanism, 201B19:1–43
- Central Water Zone (Indian Ocean), productivity, 121A1:18
- Ceylon Basin, clay mineralogy, 116B6:56
- Chacao Canyon (Chile margin), tectonics, 141B31:380
- Chagos. *See* Maldives-Laccadive-Chagos-Mascarene Ridge; Mascarene-Chagos-Laccadive volcanic lineament; Mascarene-Chagos-Maldives-Laccadive volcanic lineament
- Chagos Bank
 - basalts, 115B2:20; 3:31–32, 39; 5:53–60; 6:63–68; 7:71–83; 10:103–105
 - basement, 115A3:37–38; 10:751–756; 115B4:43–50; 11:111; 121B38:770
 - bathymetry, 115A1:6; 3:46; 4:127; 10:767; 115B2:12; 6:64; 11:111
 - biostratigraphy, 115A1:9; 2:26–32; 10:740–746; 115B14:139, 141, 144, 160–161; 15:175–184, 197; 19:291; 20:317–318, 322–336, 364–366; 22:403–405; 23:415, 417, 419, 421–430; 24:433–440; 45:795–836
 - carbonate cerium anomalies, 115B39:709–713
 - core handling, 115A2:18–20
 - deepwater stratification, 115B20:336–345
 - eruptive history, 115B2:18
 - formation, 115B4:43
 - geochemistry, 115A2:35–36; 10:749–751
 - gravity anomalies, 116B22:276
 - hotspots, 115A1:5–6; 121B38:770
 - intraplate stress, 123B37:681, 686–687
 - lithology, 115A1:9; 10:733–734, 737–740
 - location, 115A10:734; 115B3:24; 7:72; 34:630; 41:738
 - magnetic properties, 115A10:746–748; 115B40:730; 41:739–768
 - magnetostratigraphy, 115A2:32–35
 - Mascarene Plateau connection, 115A10:758
 - mineralogy, 115A10:751; 115B3:40, 42
 - Miocene–Eocene hiatus, 115A10:740
 - navigation data, 115A3:43, 45, 73, 86–122
 - paleoclimatology, 115B20:318, 322
 - paleoenvironmental indexes, 115B20:317–318
 - paleogeographic reconstruction, 115B1:6
 - paleolatitudes, 115A12:928; 115B11:115–116
 - physical properties, 115A2:38–39; 10:756–758
 - pore water chemistry, 115B34:630–634
 - sediment classification, 115A2:20–25, 37–38
 - seismic stratigraphy, 115A3:43–45, 74–76; 10:758–759
 - stratigraphic summary, 115A10:735
 - subsidence history, 115B13:123–126
 - well-logging, 115A2:39–40
- Chagos-Laccadive Ridge
 - faulting, 116B22:269, 270
 - flood basalt volcanism, 115B5:53
 - Indus Fan sediments, 117A5:51
 - Réunion hotspot role in formation, 121B38:770
 - Réunion mantle plume, 115B5:53
- Chagos-Maldives-Laccadive Ridge
 - carbonate bank and reef deposits, 115B1:4
 - formation, 115A12:917
 - hotspot activity, 115B1:3–4; 121B26:514
 - Indian subcontinent intersection, 115B12:918–919
- Chalatenango Formation (Caribbean region)
 - tephra source areas, 165B5:105
 - volcanic provenance, 165A4:183
 - volcaniclastics, 165A3:85
- Challenger Plateau (Tasman Sea SE)
 - plate circuits, 130B43:700, 705–706
 - water masses, 133B14:186
- Changjiang River (South China Sea), paleoclimatology, 184A1:6–7
- Channel Islands Province (Santa Barbara Basin)
 - sedimentation, 146B(2)5:69
 - See also* Hueneme Canyon
- channel-levee system 5 (Amazon Fan)
 - clay mineralogy, 155B9:187
 - lithologic units, 155A7:163; 9:232; 155B2:14–15; 40:630
 - turbidite, 155B41:659–660
- channel-levee system 6 (Amazon Fan)
 - lithologic units, 155A8:197; 9:232; 14:433
 - sediments, 155A14:424

- Charis Fracture Zone (Madeira Abyssal Plain)
geology, 157A1:5–6
seismic units, 157B28:495
turbidites, 157B38:627
- Charlie Gibbs Fracture Zone (Mid-Atlantic Ridge)
Arctic and North Atlantic waters, 105B48:891
Denmark Straits, 105A5:423
geology, 105B48:902; 51:971
location, 105A6:677
opening, 105A6:695
plate tectonics, 162A1:6–7
volcanic history, 151A1:11–16
water-mass exchange, 162A1:13
- Charybdis Glacier (Prydz Bay)
glaciology, 188A1:6–7
origin, 119B5:62
- Chatham Drift N (New Zealand)
paleoceanography, 181A7:1–184
sedimentation, 181B1:33–35
- Chatham Islands, site description, 181A6:1–146
- Chatham Rise (New Zealand)
biogenic opal, 181B6:1–12
Cenozoic biostratigraphy, 181B1:18–19
inorganic geochemistry, 181B9:1–10
lithologic units, 181A1:23–27, 31–33
marine sedimentation, 181A1:10–11; 181B1:8
plate circuits, 130B43:701
Pliocene–Quaternary paleocirculation, 181B1:22–23
sedimentation, 181B1:14–15; 3:1–21
tectonics, 181A1:3–5
- Chatham Rise N
clay mineralogy, 181B1:26–27
Pliocene sea-surface temperature, 181B1:21–22
- Chatham slope N, Subtropical Convergence, 181A9:1–92
- Cheesequake Formation (New Jersey coastal plain)
biostratigraphy, 174AX_A1:37, 39; 174AXS_A1:35, 43–44
lithology, 174AXS_A1:56; 4:14–15; 5:37; 6:38
lithostratigraphy, 174AX_A1:31–32; 174AXS_A1:25–26
stratigraphy, 174AXS_A1:3; 4:39; 5:61; 6:70
- Chelnok glaciation, Kerguelen Plateau–Prydz Bay region, 119B42:749
- Chesapeake Bay “crater,” as source of tektites on continental slope, 150A9:259
- Cheswold aquifer (Delaware), aquifers, 174AXS_A(summary):15
- Chichijima (Izu-Bonin forearc)
amphibole, 125B10:187
boninite, 125B9:162; 10:171; 13:259–260; 38:624, 650, 652–653
boninite-andesite-dacite sandstone, 125B14:266
boninite-dacite series, 125B11:208
dikes, 125B9:145–146
igneous geochemistry, 125B9:154–157, 162
lava, 125B38:630
lead isotopes, 125B13:259
Marubewan Formation, 125B11:208
oxidized clasts, 125B9:148–149
rare earth elements, 125B12:232–233
tuffaceous sediments, 125B11:208
- Chichonal Volcano (Mexico), geology, 120B(1)17:260
- Chicxulub ejecta vapor cloud, Cretaceous/Tertiary boundary, 174AXS_A(summary):12–13
- Chicxulub impact crater (Mexico)
Cretaceous/Tertiary boundary, 165A4:206; 8:393–394
formation, 165A1:7
- Chicxulub impact structure, critical events, 207A1:12–13
- Chile
volcanism, 201B19:3
See also Peru-Chile Countercurrent; Peru-Chile Current; Peru-Chile Trench; Sarmiento ophiolite; Tres Montes Fracture Zone
- Chile Basin
paleomagnetism, 189A(appendix):1–10
site description, 202A3:1–54
- Chile Current, oceanic circulation, 138A(1)1:6–7; 10:191; 138B1:6–8
- Chile margin
gas hydrates, 202A1:25
mass accumulation rates and age models, 202A1:16–17
seismics, 141A4:34
site description, 141A6:75–157
tectonics, 141A2:11–21; 141B18:244
See also Broken Formation; Calle-Calle Canyon; Chacao Canyon; Chonos; Golfo de Penas; Golfo Tres Montes; Juan Fernandez Ridge; Mornington Channel; Valdivia Fracture Zone
- Chile Ridge, 141A6:75–157; 10:343–446
deep water, 138B42:831
geology, 141A1:5–7
heat flow, 141B19:253–258
plate motions, 141B25:313–314
SeaBeam bathymetric map, 141A8:242
sedimentation, 141B31:394
site description, 141A6:75–157; 10:343–446
tectonics, 141B3:29–31
- Chile Ridge collision zone, tectonics, 141A2:11–21
- Chile Rise
geology, 141A1:5–7
Miocene subduction, 141A3:24
- Chile S. *See* Liquine-Ofqui fault; Taitao archipelago
- Chile Trench
geology, 141A1:5–7
plate motion, 141B25:313–314
SeaBeam bathymetric map, 141A8:242
sedimentation, 141B7:104; 31:393–395
site description, 141A6:75–157; 10:343–446; 202A4:1–76
tectonics, 141A2:11–21; 141B1:3; 3:29–31
See also Peru-Chile Trench
- Chile Trench subduction zone, geology, 141A1:5–7
- Chile triple junction, 141A9:301–341
biostratigraphy, 141B14:193–211; 16:223–233; 34:417–419
bottom-simulating reflection, 141B18:243–252; 146B(1)10:185
carbon isotopes, 141B24:307–312
Cenozoic geology, 141A3:23–31
deformation bands, 141B2:13–26
diagenesis, 141B11:153–167

- fluid flow, 141B1:3–12
- forearcs, 141A10:372, 374
- formation fluids, 141B26:321–329
- gas hydrates, 141B21:279–286
- geochemical logs, 141B36:427–441
- geochemistry, 141B29:363–372
- geochronology, 141B17:235–240
- geology, 141A1:5–7
- heat flow, 141B19:253–258
- magnetic fabric, 141B3:29–49
- organic matter, 141B23:299–305
- paleomagnetism, 141B4:59–76
- physical properties, 141B33:407–416
- pore fluids, 141B25:313–329
- rock magnetism, 141B4:51–57
- sand, 141B10:133–151
- sedimentation, 141B31:379–397
- sediments, 141B6:79–94; 8:105–117
- site description, 141A9:301–341
- tectonic-geographic sketch map, 141A8:241
- tectonics, 141A10:345
- thermal regime, 141B20:259–275
- volcanic rocks, 141B27:331–348
- volcanogenic sediments, 141B12:169–180
- See also* Austral volcanic zone; Esmeralda Fracture Zone
- Chilean Fjord Water, oceanography, 202A1:113
- Chimbote (Peru Trench)
 - bathymetry, 112A9:135
 - seismic reflection profiling, 112A9:131
- China
 - monsoon stages, 184A1:49
 - See also* Huang Ho River; Red River Fault Zone
- China continental margin, origin of Celebes Basin, 124B1:7–8
- China dust storms
 - loess deposits, 127/128B(1)23:394
 - subcontinental lithosphere, 127/128B(2)49:811–812
- China N. *See* Hannuoba basalt
- China Sea Intermediate Water, Sulu Sea, 124B28:375; 29:381
- China Sea S, rifting, 121A1:17
- Chinook Trough (Hawaiian-Emperor seamounts), 145A7:303–334
 - basalts, 145B22:338–339
 - rifting, 145B27:413–434; 38:593
 - seismic profiles, 145B29:449–450
 - site description, 145A7:303–334
 - tectonic evolution, 145B27:415
- Chira Formation (Peru margin), Eocene stratigraphy, 112A1:11
- Chira shale, Talara Basin, 112A6:94
- Choco block (Central American Seaway), volcanic provenance, 165A4:183–184
- Chonos (Chile margin), glaciation, 141A6:85–86
- Choptank Formation (New Jersey coastal plain)
 - benthic foraminifers, 174AXS_A3:40
 - lithostratigraphy, 174AXS_A3:25–28, 62
 - palynomorphs, 174AXS_A3:37
 - strontium isotope stratigraphy, 174AXS_A3:46–47
- Chorotega block (Caribbean plate), volcanic provenance, 165A4:183–184
- Chortis block (Caribbean plate)
 - sedimentation, 165A4:206
 - volcanic provenance, 165A4:183–184
 - volcaniclastics, 165A3:85–86
- Chowder Hill (Juan de Fuca Ridge Central), hydrothermal mounds, 139B20:396
- Chugach Mountains (Alaska S), clast provenance, 145B12:203
- Chugoku Backbone Range (Japan), uplifts, 127/128B(1)29:526, 528
- Cieszyn limestones (Poland), foraminifers, 123B13:250
- Cilicia-Adana Basin (Turkey), tectonics, 160B54:749–750
- Cilicia Basin, tectonics, 160A1:6
- Circum-Antarctic Current
 - Argo Abyssal Plain-Exmouth Plateau region, 123B15:315–316; 39:754–755
 - development, 182A1:22
- Circum-Antarctic oceanic circulation, paleoceanography, 181A1:3
- Circum-Antarctic opal belt
 - global marine distribution, 177A1:9, 20
 - lithologic units, 177A8:9
- Circumantarctic current system. *See* proto-Circumantarctic current system
- Circumpolar currents, Eocene–Oligocene transition, 189B1:13
- Circumpolar Deep Water (CDW)
 - Atlantic Ocean S Subantarctic, 114A8:411, 413; 114B11:217; 25:459; 26:475; 28:515; 33:609; 39:721
 - biogenic productivity, 120B(1)13:193
 - carbon isotope shift, 114B26:479
 - character, 114A5:88; 114B33:610
 - currents, 178A2:7
 - deep-sea hiatus role, 119B10:201; 48:874
 - effects on Islas Orcadas Rise, 114A9:484
 - erosion, 119A7:230; 13:478
 - foraminifers, 188A5:16
 - flow patterns, 114A5:93
 - global circulation, 117A1:6
 - hydrography, 177A1:6–7
 - ice-rafted debris, 119A13:478; 120B(2)14:219
 - Kerguelen Plateau, 120B(2)36:650; 46:868
 - Maud Rise, 113B49:866
 - Meteor Rise sedimentation, 114B33:630
 - Miocene intensification, 114A6:164; 9:515; 12:801
 - Neogene erosion, 114A6:199; 7:307
 - North Atlantic Deep Water, 114A11:622
 - ocean circulation, 138B17:383–385
 - oceanography, 202A1:5–6
 - paleoceanography, 154B16:239–240, 249, 251; 181B1:10, 35
 - paleoenvironment, 178A1:17; 178B7:2–4, 9–10
 - productivity, 178B23:13–17
 - Quaternary, 189B1:19
 - salinity vs. temperature, 177A1:42
 - Site 751, 120A10:370
 - terrigenous sediment supply, 114A8:364
 - thermohaline circulation, 177B(synthesis):14–16

- upwelling, 177B(synthesis):11
 West Georgia Basin, 114A6:152
See also lower Circumpolar Deep Water; upper Circumpolar Deep Water
- Circumpolar Deep Water, lower. *See* lower Circumpolar Deep Water
- CIROS-1 (Antarctica)
 diamictite grain-size distribution, 119B6:120–121
 diatoms, 119B29:577
 glacial sediments, 120B(1)12:162; (2)56:1010
 glaciation advances and retreats, 119B48:872
 icebergs, 120B(1)12:173
 nannofossils, 120B(2)64:1105
 Oligocene–Miocene glaciation record, 119B6:79, 118
 Oligocene/Miocene unconformity, 119B48:872
 reworking, 119B41:744
 stratigraphic intervals, 119B6:119
 stratigraphy, 120B(2)56:1013
 surface water masses, 119B48:872
- CIROS-1 drillhole (McMurdo Sound), palynomorphs, 188B3:14–16
- CIROS-2
 glaciation advances and retreats, 119B6:79
 Pliocene glaciogenic sediments, 119B6:119
- Clarion-Clipperton nodule province, nodules, 138B40:807
- Clarion Fracture Zone (Pacific Ocean N equatorial)
 organic content of sediments, 143B37:588, 590
 seismic reflections, 199A4:6
- Clark slide (Hawaii), glasses, 136B4:61
- Clayton borehole (New Jersey coastal plain), Paleocene–Eocene interval, 150X_B9:92–93
- Clayton site, Paleocene/Eocene boundary, 174AXS_A(summary):34
- Cliffwood beds, photograph, 174AXS_A6:79
- Clifton Formation (Great Australian Bight), biostratigraphic datums, 182B3:17
- Clifton transgression, biostratigraphic datums, 182B3:17
- Clino drillhole (Bahama transect)
 biostratigraphy, 166A3:28
 magnetostratigraphy, 166A3:31
 sedimentology, 166A3:26, 28; 166B16:174
 strontium-isotope stratigraphy, 166A3:30
- Clipperton Fracture Zone (Pacific Ocean E Equatorial)
 seafloor spreading, 206A1:9–10
 seismic reflections, 199A4:4–7
- Clipperton Province. *See* Clarion-Clipperton nodule province
- Clipperton transform fault, tectonics, 142A2:31, 34
- Coast plutonic complex, sediment provenance, 168B5:56
- Coastal Cordilleras (Peru margin)
 onshore-offshore structures, 112B7:96
 Pisco Formation (Miocene–Pliocene), 112A18:731
- Coastal Current (Peru)
 oceanography, 202A1:113
See also Peru Current
- Coastal Ranges
 detrital component, 167B23:268–270
 terrigenous component, 167B18:231
- Coastal transect, sedimentation, 167A(1)1:11
- Cobb-Eickelberg seamounts (Pacific Ocean N), basalts, 145B22:340–343
- Cobblestone 3 diapiric area, mud breccia, 160B46:602
- Cockburn Island (Weddell Sea), palynomorphs, 188B3:16
- Cocos-Nazca-Pacific triple junction, seafloor spreading, 206A1:9–10
- Cocos/Nazca plate boundary
 rotation, 147B18:340
See also Hess Deep
- Cocos-Nazca Ridge, bathymetric map, 147B6:114
- Cocos-Nazca rift
 tectonic map, 147B2:23
 seismic studies, 140A2:44
- Cocos-Nazca spreading center
 igneous complex, 205B9:20
 plate tectonics, 140A2:41; 147A:6–8; 170B7:1–10; 205A1:6–7
See also Coiba Ridge; Galapagos spreading center
- Cocos/Pacific plate boundary
 age map, 206A1:46; 3:105
 seafloor spreading, 206A1:9–10
- Cocos plate
 absolute poles, 138A(1)10:242
 age map, 206B1:12
 conjugate points, 203B2:27
 drilling summary, 206A1:1–117
 geochemical logs, 138B44:857–884
 geology, 206A1:10–11
 lithostratigraphic units, 170A3:60–61
 off-axis plume-ridge interaction, 205B9:1–38
 paleoceanography, 138B1:8–9
 plate tectonics, 205A1:6–9; 205B1:12
 seismicity, 170A1:7–9
 spreading centers, 138A(1)1:6–8
 structural setting, 170B4:3
 subduction, 170A1:7
 tectonics, 138A(1)9:120; 138B35:723; 147A:6–8; 202A1:6–7
 triple junction, 203B2:9
 volcanism, 165A4:184
See also Pacific-Cocos-Nazca triple junction
- Cocos Ridge
 crust, 206A1:10–11
 carbonate sediment winnowing, 121B8:212
 magnetic properties, 111B13:156
 plate boundary, 170A1:7
 plate tectonics, 170B7:2
 site description, 202A12:1–101; 13:1–74
See also Pacific-Cocos Ridge region
- Cocos Rise, mass accumulation rates and age models, 202A1:20–21
- Cohansey Formation
 biostratigraphy, 150X_B10:120, 122; 11:139–140
 clay mineralogy, 150X_B5:61
 lithostratigraphy, 150X_A1:15–17
 sediments, 150X_B4:50, 53
- Cohansey Formation (New Jersey coastal plain)
 lithology, 174AXS_A1:52; 2:48–49; 5:17–19; 7:16

- lithostratigraphy, 174AX_A1:15–18; 174AXS_A1:14–15; 2:16–18
 photograph, 174AXS_A7:42
 stratigraphy summary, 174AXS_A5:57; 7:43–44
 Cohansey sequences, biostratigraphy, 150X_B11:139–140
 Coiba Ridge (Cocos-Nazca spreading center)
 carbonate sediment winnowing, 121B8:212
 plate tectonics, 170B7:6
 Collector anomaly (Grand Banks), continental crust, 210B1:5
 Colombia
 geologic history, 207A1:4
 plate boundary, 170A1:7
 vegetation, 155B23:381–383
 volcanism, 201B19:3
 Colombian Basin, 165A4:131–230
 acoustic basement, 165A4:133–135
 carbonate content vs. age, 165B17:265
 carbonate dissolution index, 165B17:266
 depth to volcanic basement, 165B13:219–224
 geology, 165B9:151
 Miocene/late Miocene carbonate crash, 165A8:382
 oceanic plateaus, 165A1:9–10
 paleoceanography, 165B18:275–283
 plate tectonics, 165B17:252
 sedimentation rates, 165B17:257
 sediments, 165A4:194; 165B17:264
 site description, 165A4:131–230
 See also Kogi Rise
 Colorado
 rock magnetism, 161A7:322
 See also Eagle mine; Piceance Basin; Pierre shale; Raton Basin
 Colorado Plateau. *See* Mancos shale
 Columbia River
 clay mineralogy, 204B7:4
 continental flood basalt volcanism and Yellowstone mantle plume, 115B5:54
 dispersal regional patterns, 168B5:61–62
 drainage area and sedimentation, 146B(1)1:13
 sediment provenance, 168B5:58–59
 sediments, 169A5:219
 Columbia River Basin, terrigenous component, 167B18:231
 Columbia River estuary, hydrothermal circulation, 168A1:7–10
 Columbia River Valley, sedimentation rates, 168B5:52
 Columbia transpressional belt, sedimentation, 146B(1)29:428
 Columbus Basin (Trinidad), turbidites, 101B7:266
 Comet survey site (Ontong Java Plateau), geology, 130A3:49–50
 Compton conglomerate (Great Australian Bight), lithofacies, 182B4:10
 Concepcion Bank, drilling, 157A2:12–13
 Conception transect (California margin)
 composite section, 167A(1)10:241–242
 index properties, 167B30:331–332
 sedimentation, 167A(1)1:11
 See also Point Conception
 Congo Basin
 paleoclimatology, 175B23:1–46
 Quaternary, 175B(synthesis):16–23
 siliceous phytoplankton productivity, 175B11:1–32
 stratigraphy, 175A23:573
 Congo Basin, lower
 biostratigraphy, 175A19:543–544
 drilling, 175A1:15
 headspace gases, 175A21:557
 lithostratigraphy, 175A18:534, 540
 magnetic properties, 175B13:1–31
 microbial gases, 175A21:555
 sedimentation rates, 175A19:543–544; 175B(synthesis):11–12
 sediments, 175B17:1–12
 upwelling, 175A1:15
 Congo Canyon, upwelling, 175A1:15
 Congo Fan
 age models, 175B(synthesis):63
 biogenic opal, 175B11:7
 carbonate/noncarbonate ratio, 175B(synthesis):72
 carbonates and opal, 175B(synthesis):71
 diatoms, 175B(synthesis):73
 Quaternary, 175B(synthesis):16–20
 sediments, 175A16:489; 22:561–567; 175B(synthesis):4; 10:8–10
 upwelling, 175A1:15
 Congo River, upwelling, 175A1:15
 Congo River plume, sediments, 175B10:7–8
 Congo transect, paleoceanography, 175A17:508
 Conical Seamount (Papua New Guinea)
 alteration and metamorphic processes, 125A1:12
 Alvin dive studies, 125A4:72–75
 basement lithologies, 125B27:448
 bathymetry, 125A8:149; 125B21:374; 27:450; 30:521
 biostratigraphy, 125B37:615–616
 boninite genesis, 125B38:641–646
 carbonates, 125A2:12; 8:148; 12:281; 125B21:376–377
 clast distribution, 125B36:606, 608
 emplacement, 125B1:8
 fault planes, 125B19:344
 flank, 125B36:603–606
 flow features, 125A4:71–75
 fluid flux, 125A4:79
 forearc wedge hydration, 125B36:610
 formation mechanics, 125A10:167; 125B19:351; 36:600–601
 geological setting, 125A1:6; 125B21:374–375
 hydrous mineral dehydration, 125A8:163
 internal structure, 125A2:11
 lithostratigraphy, 125A2:7; 125B33:563
 low-salinity fluid, 125A8:163–164
 magma genesis, 125B38:637–641
 metamorphic rocks, 125B25:426
 origin, 125A1:11; 125B27:457
 peridotite, 125B27:451, 456
 petrography, 125B25:415–416; 33:563
 petrology, 125B36:606, 608
 physical properties, 125B1:8
 pore water chemistry, 125A8:159–160; 11:260; 125B21:377–384

- pressure-temperature conditions, 195A1:6–7
 seismic reflection profiling, 125A4:75–77
 serpentine, 125B1:9–10; 18:338, 340
 serpentinite mud, 195B1:5; 4:1–49
 sonar imagery, 125B19:343, 346
 summit, 125B36:600–602
 ultramafic rocks, 125A4:75; 125B26:431, 433–443
 vent fluids, 125B1:8; 36:595, 597
- Conoco test well (Oman margin), X-ray fluorescence vs. geochemical log values, 117B29:483–484
- Conrad 1008 profile (Shatsky Plateau), seismic stratigraphy, 132B1:9
- Cooperation Sea (Antarctica)
 diatom biostratigraphy, 188B6:1–25
 summary, 188A1:1–65
- Cook-Austral Islands
 bathymetry, 144B35:608
 stage poles, 144B35:607
- Cook Islands. *See* Makatea Island; Mangaia; Rurutu hotspot
- Coorong (Australia)
 celestite, 103B10:166
 Cretaceous magnetic quiet zone, 103A8:144
 Galicia margin W, 103A1:5
- Coorong lagoons, organic-rich mud, 107B38:647
- Coral Reef Formation (Barbados Ridge), stratigraphy, 110A1:8
- Coral Sea
 biostratigraphy, 133B3:39–49
 oceanic circulation, 133B19:265
 Oligocene hiatuses, 119B48:874
 paleoceanography, 133B13:175–180
 spreading end, 121B39:816
See also Holmes Reef; Saumarez Reef; Tregrosse Reef
- Coral Sea Basin
 biostratigraphy, 133B54:779–785
 geology, 124B3:46
 geophysical data, 133A(1)1:9–16; 180A2:6
 location map, 133A(1)4:76
 poles of rotation, 130B43:703
 schematic cross section, 133A(1)1:23
 tectonics, 180B(synthesis):4; 194A1:4–5
 water masses, 133B14:186
- Cordillera occidental (Peru), volcanism, 112A14:399; 15:472
- Coris Formation (Costa Rica), volcanic provenance, 165A4:184
- Cornaglia Basin, oceanic crust, 107B1:22
- Cornaglia Terrace
 acoustic reflectors, 107B38:618
 basal sedimentary sequence, 107A9:610
 bathymetry, 107A2:13; 5:92; 9:600; 107B16:246; 38:618; 44:717
 between-hole correlation, 107A9:631–632
 biostratigraphy, 107A9:614–616, 628, 631; 107B21:337–338
 climatic cooling, 107B38:698
 correlation, 107A9:601, 612–613, 632
 diagenesis, 107B8:118
 elastic layers, 107A9:609
 evaporites, 107B38:647
- extensional tectonics, 107B38:717–718
 geochemistry, 107A9:620–623
 glacial–interglacial cycles, 107B38:702
 heat flow, 107A9:623–628
 inorganic geochemistry, 107A9:620–623
 lithologic units, 107A5:99; 9:599, 601, 609–612, 617; 107B1:9
 lithostratigraphy, 107A9:602–603, 631–632; 107B35:580–581
 location, 107A5:92; 9:606; 107B1:5; 2:30; 3:38; 8:114; 13:188; 18:293; 20:324; 23:363; 25:403, 406; 28:430; 29:462; 31:496; 33:538; 35:580; 36:592; 39:640; 40:670
 magnetic properties, 107A9:616–617
 marginal evaporites, 107B38:648–649
 Messinian, 107A9:613–614; 107B14:213
 Messinian–Pliocene transition, 107B38:652
 metalliferous sediments, 107B1:24
 Miocene/Pliocene boundary, 107A9:601; 107B14:217–218; 24:388
 Miocene succession, 107B16:247
 morphology, 107A2:9
 navigation data, 107A5:91
 ochreous clastic sediments, 107B38:647–648
 open-marine environment, 107B24:391–393
 organic geochemistry, 107A9:623; 107B33:537–542; 36:592–593
 paleoceanography, 107A9:606
 paleoenvironment, 107A9:604, 606; 107B14:212–213; 31:505, 510; 38:698
 physical properties, 107A9:617–621
 Pliocene chemostratigraphy, 107B25:409–413
 Pliocene–Pleistocene, 107B24:390–397; 25:406–409; 28:430–451; 29:461–472; 39:655; 42:695–696, 700, 702–703
 Pliocene/Pleistocene boundary, 107A9:601
 Pliocene–Quaternary unconformities, 107A9:613
 pore water chemistry, 107A9:621–622, 628–630; 36:594
 rifting history, 107B38:626
 Sardinian margin, 107A9:749
 seismic stratigraphy, 107A2:18; 5:93, 114–117; 107B38:618–619, 623
 sequence of events, 107A9:632–633
 Tortonian–Messinian interval, 107B38:722
- Coromandel Volcanic Zone (New Zealand), Miocene–Pliocene volcanism, 181B1:23–26
- Corsica
 Alpine cycle, 107A3:42
 geology, 107A3:40
 Mesozoic–Eocene lithostratigraphy, 107A3:42
 tectonics, 107B1:21; 160A1:15
- Corsica margin. *See* Sardinia–Corsica margin
- Corsica–Sardinia Basins
 crust morphology, 107A2:15
 morphology, 107A2:9
- Corsica–Sardinia block, Burdigalian drifting, 107B38:725
- Corsica–Sardinia margin, pre-Alpine basement, 107A3:37
- COST-B2 well
 comparison with Site 1071, 174A_A3:92–95
 log–seismic ties, 174A_A3:91–92

- profile correlation, 174A_A3:83, 90, 93–95
- stratigraphy, 174A_A3:89
- Costa Rica
 - Chalatenango Formation, 165A3:85
 - plate boundary, 170A1:7
 - volcanic provenance, 165A4:183–184
 - See also* Aguacate Formation; Curre Formation; Limon Basin; Pacacua Formation; Punta Carballo Formation; Turrucare Formation
- Costa Rica Coastal Current, oceanic circulation, 138A(1):6–7; 138B1:7
- Costa Rica dome
 - geochemical logs, 138B44:860
 - organic carbon, 138A(1):8:103
 - productivity, 138A(1):9:120
 - sedimentation, 138B35:729
 - thermocline, 138A(1):9:163
- Costa Rica margin
 - biostratigraphy, 170B1:1–58; 2:1–22; 5:1–63; 205B14:1–26
 - carbon and oxygen isotopes, 205B4:1–18
 - convergent margins, 205B2:1–22
 - CORK-II, 205A2:1–36
 - fluid flow, 170B4:1–11
 - fracture density, 205B13:1–21
 - geology, 170A1:7–17; 205A1:1–75
 - hydrothermal alteration, 205B3:1–16
 - igneous complex, 205B9:1–38
 - nitrogen flux, 205B7:12–13
 - operations, 205B1:8–9
 - paleoceanography, 170B6:1–28
 - permeability and consolidation, 205B10:1–24; 11:1–13
 - pore fluid geochemistry, 205B5:1–21
 - structures, 170B3:1–32
 - subduction flux, 205B1:1–54
 - subseafloor sediment habitability, 205B8:1–26
 - temperature, 205B12:1–20
 - See also* Coris Formation
- Costa Rica-Nicaragua subduction zone. *See* Quesada sharp contortion
- Costa Rica Rift
 - alteration, 111A1:7, 9; 148B11:151–170; 168B11:140
 - basalts, 137/140B31:347–351
 - carbonate content, 111B20:234, 236, 239
 - electrical images, 148B29:375–388
 - fractures, 148B16:242; 23:317–329
 - geochemical logging, 148B30:389–394
 - geochemistry, 134A9:200–201
 - geology, 102A3:138; 148B35:436–437
 - heat flow, 111A2:26–27
 - igneous rocks, 111A1:7; 3:162
 - Layer 2, 148B18:261–279
 - lithology, 111A2:31; 3:84; 4:270–271, 283
 - location, 111B11:129
 - magma chambers, 148B2:17
 - pore water chemistry, 111A1:20; 4:267, 269; 111B17:195–200
 - porosity, 111A4:284, 286–287; 111B20:235–237, 240
 - regional geology, 140A2:43
 - site description, 148A2:27–121
 - spreading systems, 111B10:116
 - stable isotopes in pore water, 121B22:147
 - stratigraphy, 137/140B9:107–108
 - stress direction, 121B35:697
 - tectonics, 137/140B20:231–232; 21:245–247; 25:298; 140A2:41–44; 170A1:8–9
 - temperature, 111A2:23
 - thermal conductivity, 111A4:287; 111B20:236, 238
 - trace elements, 111A1:10; 3:97–98, 107–109
 - vertical geochemical gradient uniformity, 121A10:283
 - water content, 111A4:284, 286; 111B20:236
- Costa Rica Rift Zone (CRRZ), fractionation path, 111B1:12–13
- Costa Rica shear zone, seismicity, 170A1:7–9
- Costa Rica subduction zone, hydrology, 205B6:1–26
- Cotabato Trench (Philippine Islands)
 - Celebes Sea relationship, 124A10:124–125; 29:382; 124B4:58
 - extensional stress, 124B8:117–118
 - gravity field, 124B5:67–68
 - subduction zones, 124B1:7
 - tectonics, 124B4:52
 - volcanism, 124B34:464–465
- Cote d'Ivoire-Ghana continental margin
 - biostratigraphy, 159B24:253–276; 32:413–431; 33:434–388; 34:445–479; 37:509–523
 - chromian spinels, 159B14:133–139
 - Cretaceous, 159B10:93–99
 - décollement structures, 159B3:25–33
 - geodynamics, 159B11:101–110
 - geology, 159A1:5–16; 3:47–62; 9:297–313
 - in situ stress, 159B21:209–223
 - lithofacies, 159B11:111–123
 - magnetic fabric, 159B19:189–197
 - magnetic properties, 159B20:199–207
 - palygorskite, 159B15:141–156
 - physical properties, 159B22:225–240
 - structure, 159B1:3–11; 2:13–23
 - thermal diagenesis, 159B4:39–41; 5:43–48; 7:53–70
 - uplift and exposure, 159B8:71–79
 - upper Albian, 159B13:125–131
 - well-logging, 159B16:157–179
 - See also* Deep Ivorian Basin
- Cote d'Ivoire-Ghana marginal ridge
 - planktonic foraminifers, 159B34:457–462
 - post-tectonic subsidence, 159B9:81–91
 - structural data, 159B2:18
 - tectonics, 159B1:3–11
 - transform faults, 159A1:6–8; 9:298–299, 306–307
- Cote d'Ivoire-Ghana slope, planktonic foraminifers, 159B34:457, 462–464
- Cote d'Ivoire-Ghana Trough, planktonic foraminifers, 159B34:462, 464–465
- Covillian Transgression (Alaska), foraminifers, 151B10:191
- Cowichan River (Vancouver Island)
 - oceanography, 169S_A2:15–16
 - organic matter, 169S_A2:14
- Coyol group (Nicaragua), tephra source areas, 165B5:105
- CPDW. *See* Circumpolar Deep Water
- Crescent Formation (Vancouver Island), Eocene oceanic crustal rocks, 146A(1):1:5

Crescent Peaks member (Atlantic Ocean NW), postrift sedimentation, 210B1:30
 Crescent Terrane (Vancouver Island)
 accretion, 146A(1)1:5–7
 accretionary wedges, 146A(1)8:383–385
 Crete
 conglomerate comparison, 160B43:562
 geology, 160A10:337
 paleoceanography, 160A2:21–25
 sandstone, 160B45:584
 tectonics, 160A1:5–6; 160B50:670–671
 thrust sheets, 160B45:585
 Tortonian/Messinian boundary, 107B21:340
 Croatia. *See* Dinarides Inner (Croatia and Serbia)
 Crocker Formation (Sulu Sea)
 Celebes and Sulu seas, 124A3:39; 124B9:122
 tectonics, 124B4:51
 Crocker Range, Celebes and Sulu seas, 124B23:334
 Cromwell Marine Current (Pacific Ocean equatorial), volcanic ash transportation, 112B28:474
 Crozet Basin (Kerguelen Plateau)
 hotspots, 183A1:26–30
 Kerguelen Plateau central, 120B(1)4:71
 magnetic anomalies, 183A1:3
 oceanic crust, 121B38:765
 Crozier Basin (Indian Ocean SW), smectite source, 118B7:147
 Cruise Ew9009 (New Jersey coastal plain)
 location map, 150A2:18
 multichannel seismic lines, 150A2:15
 Cruise EW9903 (Pacific Ocean N), site survey results, 206A4:1–49
 Cruiser Fracture Zone
 deposition, 157A4:68–70; 157B38:627
 geology, 157A1:5–6
 seismic units, 157B28:495
 Cruiser Seamount
 deposition, 157A4:68–70
 turbidites, 157A1:7
 See also Hyerés-Cruiser-Great Meteor seamount chain
 Cruiser turbidite (Madeira Abyssal Plain), carbonate content, 157B30:529–530; 38:627
 CSIRO sample 142421 (Satanic Mills), xenoliths, 193B6:1–19
 Cuba
 Oriente Terrane, 165A3:86
 volcanism, 165A8:389; 165B20:309
 Cuba central. *See* Zaza terrane
 Cuba NW. *See* Apolos Formation
 Cucaracha Formation (Panama), volcanic provenance, 165A4:184
 Culebra Formation (Panama), volcanic provenance, 165A4:184
 Cungus Formation (Turkey), tectonics, 160B54:761
 Curre Formation (Costa Rica), volcanic provenance, 165A4:184
 Cuvier Abyssal Plain (Australia NW)
 biostratigraphy, 120B(2)62:1087–1088
 marine magnetic anomalies, 123B36:659
 opening, 123B1:46
 sedimentation history, 123A1:6

Cyprus
 crust, 160B51:695; 53:713; 54:727, 768
 fanglomerate, 160B43:545–566
 flexure, 160B39:513
 mass flow units, 160B37:474, 476–480
 massive sulfides, 158B5:78; 28:390, 398–404
 Messinian gypsum, 160B36:459–460
 pillow basalts, 118B25:431
 See also Arakapas fault; Arsos Formation; Athalassa Formation; Ayios Photios group; Bellapais Formation; Cyrenaica Peninsula (Cyprus); Dhekelia; Fanglomerate F1 and F2; Hilarion limestone; Kakkaristra Formation; Kalagrai-Ardana unit; Kannaviou Formation; Kantara limestone; Khalassa subbasin; Kilani Formation; Kithrea fault; Koronia Formation; Kyrenia Range; Lefkara Formation; Limassol forest ophiolite; Pakhna Formation; Paphos; Pegia half-graben; Perapedhi Formation; Pissouri subbasin; Polis Graben; Sikhari Formation; South Troodos transform fault zone; Troodos ophiolite; Xylophagou; Zyyi
 Cyprus arc. *See* Florence Rise
 Cyprus E, tectonics, 160B54:750–759
 Cyprus-Latakia link zone, tectonics, 160B54:754–756
 Cyprus margin
 geology, 160A6:126–127, 142–143; 7:196–197, 199; 8:263–267; 9:290–291, 324–326; 160B51:682–683, 686
 Messinian nonmarine deposition, 160B34:437–445
 oceanic crust, 160B54:729
 paleoenvironment, 160B36:453–463
 plate tectonics, 160A1:5–6, 8–10; 17:515–520; 160B37:465–481; 53:717–720
 Cyprus S
 basement, 160B54:741, 743–749
 Cretaceous–Paleogene succession, 160B32:412–413
 Cretaceous tectonics, 160B52:704–705
 diagenesis of Miocene reefs, 160B33:430–431
 uplifts, 160B51:690–691
 Cyprus SE, tectonics, 160B54:751–753
 Cyprus Trench, tectonics, 160B54:750–751
 Cyprus-type deposits, comparison of massive sulfides with trans-Atlantic geotraverse, 158A1:12; 158B15:195; 28:389–415
 Cyprus W
 lithofacies, 160B37:477
 plate boundary, 160B54:731–736
 Cyrenaica Peninsula, tectonics, 160A1:6; 160B50:670
D
 d'Entrecasteaux Basin, spreading ridges, 130B43:700
 d'Entrecasteaux Basin central, elongation, 134A1:11
 d'Entrecasteaux chain S
 collisions, 134B2:31; 35:613–615
 petrology, 134B16:337; 17:353, 357; 18:363
 sediment water content, 134B30:536
 tectonics, 134B2:19, 22–23, 27–31
 volcanic ash, 134B21:403

- d'Entrecasteaux collision zone. *See* Bigwan Fo; Bigwan Tri; Bigwan Tu; Bigwan Wan
- d'Entrecasteaux Islands (Woodlark Basin)
basement, 180B(synthesis):6
geophysical surveys, 180A2:4–6
ophiolite, 180B1:3
provenance, 180B(synthesis):12
tectonics, 180B(synthesis):4
See also Dobu Island; Fergusson Island
- d'Entrecasteaux Ridge. *See* North d'Entrecasteaux Ridge
- d'Entrecasteaux Zone
collision, 134A2:19–31; 134B2:24–31; 35:611–615
crust, 134B31:560–562
lava, 134B20:398–399
ocean basins, 134A2:22–24
paleomagnetism, 134B25:447–456
petrology, 134B16:337–338; 17:353, 356–357; 18:363
physical properties, 134B29:511–530
plate convergence, 134B3:47–57
rock magnetism, 134B27:475–490
subduction, 134A3:33
tectonics, 134B2:19–20, 22, 24–29, 33–43
See also North d'Entrecasteaux Ridge
- d'Entrecasteaux Zone–New Hebrides island arc collision zone
forearc seafloor deformation, 134A4:43–53
overview, 134A2:19–31
plate collisions, 134A1:11
- Dabi volcanics (Woodlark Basin), basement, 180B(synthesis):6
- Dacia Seamount (Atlantic Ocean NE), basins, 157A2:13
- Daisy Bank fault (Cascadia Forearc), sediments, 204B4:13
- Daito Basin (Pacific Ocean W), basalts, 121B29:550–551
- Dakota Formation, Kerguelen Plateau central, 120B(1)8:106
- Damodar Valley, Kerguelen Plateau central, 120B(1)2:38
- Dancer survey site, Ontong Java Plateau, 130A3:47–49
- Dangerous grounds (Sulu Sea)
collision, 124A11:197
geological evolution, 124B9:123
tectonics, 124A3:39; 124B4:51
- Darjeeling, Kerguelen Plateau central, 120B(1)2:38
- Darwin Fracture Zone (Pacific Ocean W)
bathymetry, 141A2:13
heat flow, 141B19:253–258; 29:363–364
sedimentation, 141B31:393–395
tectonics, 141B3:48; 20:259
- Darwin/Genovesa Island (Galapagos Islands), lineament origin, 115A1:7
- Darwin Rise, guyot origin and evolution, 144B53:936–937
- Darwin/Wolf Island (Galapagos Islands), asthenospheric flow, 115B4:44
- Dasher survey site, Ontong Java Plateau, 130A3:47
- Dauki lineament, Kerguelen Plateau central, 120B(1)2:36
- Davidson Countercurrent (Santa Barbara Basin), sedimentation, 146B(2)21:283, 289
- Davidson Current, paleothermometry, 167B10:153–161
- Davis Strait (Canada)
bathymetric conditions, 105B52:1005–1006
depth-to-basement map, 105B52:995
geological evolution, 105B46:872
oxygen isotope data, 105A1:17
Paleocene hotspot, 105B52:990, 1002, 1005
subsidence, 105B52:990, 1005–1006
tectonic evolution, 105B46:872–873; 52:990–991
- Dawson Strait (Woodlark Basin), sediment provenance, 180B6:18–24
- De Marchi Seamount (Tyrrhenian Sea)
bathymetry, 107A5:92; 12:952; 107B17:246; 38:618; 44:717
between-hole correlation, 107A12:961
biostratigraphy, 107A12:961–963
conglomerate, 107A12:954, 960
continental nature, 107A8:410
crust formation, 107B1:15
depositional environment, 107A12:964–965; 39:644–645
formation, 107B38:634
geologic setting, 107A12:954
lead and zinc enrichment, 107B16:252
lithology, 107A12:951, 958–961; 107B1:11; 2:32–33
lithostratigraphy, 107A12:953; 107B35:580–581
location, 107A5:92; 7:289; 12:955; 107B2:30, 38; 18:293; 31:496; 35:580; 36:592; 39:640; 40:670
Messinian paleoenvironment, 107B17:217; 38:645
Messinian–Pliocene transition, 107B38:651
morphology, 107A2:19
navigation data, 107A5:91
oceanic crust, 107B38:720
physical properties, 107A12:963–964
Pleistocene, 107B38:726
prerift/synrift sequence, 107A12:954
sedimentation rates, 161B40:509
seismic stratigraphy, 107A2:26; 5:93, 124–125; 11:952; 107B38:624
subsidence, 107B38:722
synrift sequence, 107A12:965–966
tectonic evolution, 107A12:965–966
terrestrial elastic succession, 107B38:643–644
Tethyan ophiolite nappe, 107A12:965
- Dead Dog mound (Juan de Fuca Ridge)
comparison with Bent Hill, 169A4:160–162
site description, 169A4:153–203; 169B10:4–5
- Dead Dog vent field
geology, 139A7:435–436; 169A4:162
heat flow, 139A2:33
hydrothermal circulation, 169A1:7–9; 169B10:4–5, 14–17, 32
hydrothermal mounds, 139B20:396
magnetic surveys, 139B2:29–30
- Dead Sea
glacial–interglacial fluctuation, 117B19:339
lake sediments in last glacial stage, 117B6:156
- Deal member (New Jersey coastal plain), Eocene, 150X_B16:210
- Deccan traps
Ambenali Formation, 115B5:60
basalts, 115A5:236; 10:736; 12:921; 115B1:9; 2:19; 3:23; 5:55, 60
Bengal Fan sediment source, 116B26:334–335
Central Indian Ridge, 115A5:235

- Chronozone C31n extrusion correlation, 121B39:818
Cretaceous/Tertiary boundary, 115A1:6–7; 12:918;
115B1:3
diastrophism and India-Asia convergence,
121B39:819
eruptive source paleolatitude, 115B11:114
flood basalts, 115B4:45; 5:54
hotspot origin relative motion models, 121B38:770
lava, 115B3:25; 5:58, 60
lead isotopes, 115B5:55
Mahabaleshwar Formation, 115B2:19; 5:60
Mascarene Plateau, 115B2:13, 19
Nazareth Bank, 115B2:13
paleolatitude, 115A10:736; 12:921; 121B39:778, 805
paleoposition, 121B39:816–818
radiometric age, 121B38:770
Site 715, 115B2:19
smectite, 117B8:185
stratigraphy, 115A1:6–7
volcanic source migration, 121B39:819
volcanism, 115A1:5; 115B1:7
volume of province, 115B1:7
Deception Island (South Shetland Islands), smectite,
178B8:8–9
Deep Ivorian Basin
 biostratigraphy, 159B26:319–329; 34:449–457;
 36:493–508
 clastic wedges, 159B2:19
 deposition, 159A8:270
 extension tectonics, 159B10:96
 paleoenvironment, 159B11:105
 transform faults, 159A1:6–8; 9:297–299, 306–307
Deep Western Boundary Current
 glaciation, 172B(overview):3
 marine sedimentation, 181A1:7–11; 6:9–13;
 181B1:32–38, 47–48; 3:1–21
 paleoceanography, 181A1:3–7; 8:1–137; 181B1:1–111
Deep Western Boundary Current/Antarctic Circumpolar
 Current flow, sedimentation, 181B1:32–36
Delaware
 lithofacies models, 174AXS_A(summary):25
 nearshore sedimentation, 174AXS_A3:57–58
 See also Beaverdam Formation; Bethany Beach Forma-
 tion; Bethany Beach Site; Cheswold aquifer
Delaware coastal plain, geology, 174AXS_A(summary):1–
38
Delaware River, sediments, 150A1:7
Delfin drill hole (Peru margin)
 Chira shale, 112A6:94
 diatoms, 112B13:209–211
 lithostratigraphy, 112A6:95
 metamorphic lithology and petrology, 112A6:97, 106
 morphology, 112A1:7–8
 sandstone, 112A6:97
 sedimentary sequence, 112A15:474
 seismic reflection profiling, 112B2:20
 tectonic history, 112A15:476
Della Rondine Seamount, geology, 107A9:623
Demerara Plateau (French Guiana/Brazil margin), geo-
 logic history, 207A1:3–4
Demerara Rise
 biostratigraphy, 207A1:39–42
 black shale, 207B14:1–29
 cyclostratigraphy, 207A1:44–45
 depositional history, 207A1:50–51
 gases in black shale, 207A9:1–15
 geochemistry, 207B11:1–13
 geology, 207A1:1–89
 inorganic geochemistry, 207B8:1–37
 iron isotopes, 207B10:1–14
 lithostratigraphy, 207A1:37–39
 location, 207A1:58; 207B16:1–11
 magnetostratigraphy, 207B3:1–48
 microbiology, 207B13:1–6
 mid-Cretaceous sediments, 207B2:1–31
 operations summary, 207A1:89
 organic geochemistry, 207A1:45–46
 paleoceanography, 207B1:1–26
 paleomagnetism, 207A1:42–43
 pore water geochemistry, 207A1:46–47
 pore water oxygen isotopes, 207B16:1–11
 sediment compressibility, 207B15:1–35
 sedimentation rates, 207A1:43–44
 seismic stratigraphy, 207A1:48–49
 seismic surveys, 207A1:59; 207B1:18–20; 15:22
 stable isotopes, 207B7:1–9
 underway geophysics, 207A3:1–8
 See also La Luna Formation; Tarfaya Basin
Denmark. *See* Røesnæs Clay Formation; Stevns Klint
Denmark Strait
 glaciated shelves, 151A1:9–11
 morphology, 152B1:5–6
 paleoceanography, 152A13:283; 152B11:156
 physiography, 151B1:6–9; 162A1:8
 sill depth, 151A1:6
 volcanism, 151B1:10–11
Denmark Strait Channel, physiography, 151A1:6–7
Denmark Strait Overflow Water
 currents, 152B1:6–10
 drift deposits, 105B25:424; 28:516
 Miocene, 105B51:983
 oceanography, 105B25:432; 37:745
 salinity vs. temperature, 177A1:42
 water-mass exchange, 162A1:13
Detroit Seamount (Hawaiian-Emperor seamounts)
 basalts, 145B22:336–338, 340–341
 bathymetry, 145A3:88; 5:124; 145B38:582
 biostratigraphy, 145B1:7–11; 4:64–66; 9:157–170;
 41:639–643; 197B3:1–10; 4:1–12
 copper mineralization, 145B25:389–397
 failure, 145B36:552–553
 geology, 145A6:272–276
 igneous basement, 197A4:18–19
 magnetic inclination, 197B1:6–7
 organic carbon, 145B42:645–655
 paleolatitude, 197A1:5–7
 seismic reflection surveys, 145B29:442–448; 197B6:2–
 3
 site description, 145A4:85–119; 5:121–208; 6:209–302
 slope stability, 145B36:547–556
 stable isotopes, 145B17:257–264

trace element comparison, 197A3:97
Devon Island (Canada), carbonate sources, 105A3:47
Dhekelia (Cyprus)
 basement, 160B54:735
 fanglomerate, 160B43:555–556
 tectonics, 160B52:704–705
Diamantina Zone (Kerguelen Plateau Central), geology,
 120B(2)51:935
Diego Hernandez Formation (Canary Islands), lithology,
 157B18:320
Dinaric Alps. *See* Dinarides inner
Dinarides inner (Croatia and Serbia), dolomite,
 107B10:146
Dingo claystone, Australian NW margin, 123B37:683
Discovery arc (Scotia Sea), geology, 114B40:740, 742
Disko Island (Greenland), geology, 105A3:34, 45;
 105B3:45
Djaul transform fault (Bismarck Sea), lithology, 193A1:4
Dobu Island (d'Entrecasteaux Islands), basalt, 180A6:37
Dobu Seamount (Woodlark Basin), sediment prove-
 nance, 180B6:18–24
Dogie Creek (Wyoming)
 Cretaceous/Paleogene boundary, 121B25:490
 goyazite spherules, 121B25:497, 503
 kaolinitic spherules, 121B25:491
Dohrn Bank (Atlantic Ocean N), currents, 152B1:6–7
Dolgorae-1 well (Japan Sea)
 paleobathymetry, 127/128B(2)76:1210
 subsidence plot, 127/128B(2)76:1208
dolomites. *See* Italian dolomites
Dom Carlos Valley (Iberian margin W), continental mar-
 gin, 149B1:4
Dome Argus (Antarctica), ice cover, thin areas, 119B5:64
Dominica
 volcanic ash, 132B5:63
 See also Roseau ash
Dominican Republic. *See* Samana embayment
Drake Passage
 Cenozoic, 189A1:4; 189B1:7
 circulation, 166B2:20
 deepening and widening, 113B5:65
 Eocene–Oligocene transition, 189B1:13
 geology, 114A5:88
 ocean basins, 199B1:3
 ocean circulation, 154B30:460
 Oligocene/Miocene boundary, 115B25:483
 opening, 113A11:658; 114A5:113; 6:152, 154, 164,
 199; 8:364–365, 377, 412; 11:684; 12:801;
 114B19:337; 119B10:200; 189B1:21; 202A1:7
 paleoceanography, 177B(synthesis):7, 19–23;
 181A1:3, 5
Drake (Powell) Passage, opening, 181B1:45–47
Drake series, seismic reflectors, 130A7:269, 275–277;
 8:338
Drift D1–D8 (Antarctica), sediments, 178A2:13–15; 4:43;
 5:38
Dronning Maud Land margin (Antarctica E)
 clay mineralogy, 113B5:57
 thermal subsidence, 113B5:54
 See also Site 691; Site 692; Site 693

Duluth layered intrusion, postcumulus reequilibration,
 118B1:5
Dundee Island (Antarctica), palynomorphs, 188B3:17
Dupal anomaly (Indian Ocean)
 geochemistry, 143B15:255
 Indian Ocean, 120B(1)3:60; 123B10:201; 42:796
 isotope geochemistry, 144B31:535–537
 Ninetyeast Ridge, 121B31:601, 603, 609; 32:638–639
 volcanism, 143B17:278, 282
DuToit Fracture Zone (Indian Ocean SW), transverse
 ridges, 118B26:441
Dye 3 site (Greenland), tephra, 152B5:53, 64
Dzong Formation (Nepal), sedimentation, 123B43:810

E

Eagle mine (Colorado), rock magnetism, 161A7:322
EAIS. *See* East Antarctic Ice Sheet (EAIS)
East Anatolian fault, tectonics, 160A1:6; 160B54:758,
 771, 774–775
East Antarctic cryosphere, development, 189A1:5
East Antarctic Ice Sheet (EAIS)
 carbonate crash models, 206B4:9
 geology, 114B25:468
 glaciology, 188A1:6–7
 Kerguelen Plateau Central, 120B(1)14:216
 paleoclimatology, 154B28:438
 Quaternary nannofossils, 189B6:8
East Australian Current
 hydrography, 189A1:11, 59
 Neogene, 189B1:16
 paleoceanography, 189A1:2–3, 13
 Quaternary, 189B1:19
East Bermuda Rise, sediment underconsolidation,
 105B41:793
East Canary debris flow, reflectors, 157B2:25
East Canary Ridge, reflectors, 157B2:27
East Cape Current (New Zealand)
 currents, 181A1:6
 upper Neogene, 181B1:54
East China Sea
 sedimentation, 195B3:2–5
 See also Shimajiri group
East China Sea shelf, paleoceanography, 184A1:8–10
East Coast Basin (New Zealand), tectonics, 181A1:4
East Coast Current (New Zealand), currents, 181B1:10
East Coast fold belt (Pacific Ocean SW), sedimentation,
 181B1:40
East Cortez Basin (California margin)
 composite section, 167A(1)6:131–132
 deep water, 167A(1)6:133
 paleoceanography, 167B8:141–144
East Greenland Current
 development, 152B11:156
 Miocene–Pliocene interval, 151B31:523–524
 ocean circulation, 105B18:288; 27:486; 151A1:17–18;
 8:224; 151B17:310–311; 26:449
 paleoclimatology, 151B31:515–517
 sea ice, 151B2:25–36
 sedimentation, 151A11:360

- East Greenland flood basalt province, flood basalts, 163X_A1:5
- East Greenland Tertiary igneous province, volcanism, 163B6:59–60
- East Icelandic Current, oceanic circulation, 151B17:310–311
- East Indian letter stage classification, 133B4:51; 20:281–282
- East Mariana Basin (Site 802), 129A4:171–242
 apatite, 129B7:169–178
 bathymetry, 129B37:695
 biostratigraphy, 129B12:229–248
 data, 129B31:555
 Early Cretaceous, 129B32:571
 geochemical logs, 129B34:635
 geochemistry, 129B16:295–302; 35:653
 Jurassic, 129B32:571
 lower Miocene–middle Pliocene, 129B31:561
 MESOPAC II SCS water gun profile, 129B31:564
 oceanic crust, 129B31:553
 paleolatitude, 129B33:615–631
 paleomagnetism, 129B24:447–454
 physical properties, 129B27:485–499
 pore water, 129B14:267–281
 regional history, 129B31:553
 sedimentation, 129B2:31–79; 32:571
 seismic facies, 129B31:561
 seismic stratigraphy, 129B31:551–569
 silicification, 129B3:81
 site description, 129A4:171–242
 stratigraphy, 185A1:9–10
 tectonic setting, 129B31:553
 turbidites, 129B31:565
 volcanic oceanic plateaus, 192A1:4–6
 volcanoclastics, 129B6:153; 192B1:8
 well-logging, 129B29:507–527
- East Pacific Rise
 basalts, 115B7:82; 121B29:556; 142B2:9–29; 6:41–49
 bottom currents, 138A(1)8:107
 deepwater history, 105A5:495–496; 6:746; 105B37:744
 development, 105A5:487, 489–490
 drilling, 121A11:331; 142A1:5–27; 206A1:1–117
 equatorial circulation systems, 138A(2)13:712–714
 geochemical comparison, 142B10:76–77
 geochronology, 142B5:37–39
 geology, 142A2:31–37
 geotraverse, 158B27:380–381
 high-temperature sulfide deposits, 106/109A5:152
 hydrothermal activity, 121B21:444; 138B37:769–778
 hydrothermal field, 106/109A5:151
 lava, 136B9:111–113
 magma chambers, 147A1:5; 147B17:317–328
 magnetic properties, 121A12:398, 418
 mantle, 147B6:103–134; 19:347–356
 melt migration, 147B2:21–58
 metalliferous sediments, 107B10:149
 oceanic crust, 138A(2)17:1005; 138B44:867; 176B(synthesis):23
 oceanography, 105B10:145–146
 outgassing methane isotopic composition, 115B9:99
 paleoceanography, 138B1:8–9
 petrology, 142B1:3–8
 plate movement, 138A(2)15:850–851
 polyphase alteration of gabbros, 147B13:235–254
 rift valleys, 147A1:6–8
 seafloor spreading, 203A1:3–4
 seamount basalt formation, 115B14:146
 sediment chemistry, 145B27:418
 sedimentation, 138A(2)14:764
 seismic experiments, 142B7:51–59
 seismicity, 170A1:8
 serpentinization, 147B14:255–291
 spreading centers, 138A(1)10:242
 structural history, 147B20:357–370
 surface sediments, 138A(1)8:101
 tectonics, 138A(1)11:313–317; 138B35:723; 140A2:41
 trace elements, 106/109B30:316
See also Black Smoker complex; Lamont seamounts; “ODP flow;” Siqueiros Fracture Zone
- East Pacific Rise S. *See* Garrett Fracture Zone
- East Santo Basin (Vanuatu), morphology, 134A1:14
- East Sherburne volcanic zone (Manus Basin), volcanism, 193A1:5
- East Tasman Plateau
 biostratigraphy, 189B3:1–48; 4:25
 deposition, 189A1:8
 history, 189A1:48
 lithofacies, 189B1:30–31
 lithostratigraphy, 189A1:32–33
 site description, 189A7:1–149
 tectonics summary, 189A1:33
See also “glauconitic unit”
- East Tasman saddle, deposition, 189A1:8
- Eastern Alboran Basin
 biostratigraphy, 161B13:166–168
 debris flows, 161B6:77–81
 marine sediments, 161B7:85–86
 postrift sediments, 161A1:15
 sedimentation, 161B3:50
 tectonics, 161A7:303; 161B26:345–355; 44:568
- Eastern Atlantic Basin, transform faults, 159A1:14
- Eastern belt (Vanuatu), tectonics, 134B2:20–21, 23–30
- Eastern Boundary Current
 Atlantic Ocean E tropical, 108A2:32
 ocean circulation, 138B20:467, 469–471
- Eastern boundary upwelling, paleoclimatology, 175A1:8
- eastern equatorial Pacific cold tongue, climate change, 202B1:20
- Eastern highlands (Tasmanian region), uplifts, 189A1:7
- Eastern Lau spreading center
 basalts, 135B26:473–475; 28:505–507; 32:557
 geochemistry, 135B24:386–425; 43:689–707
 hydrothermal deposits, 135B5:76, 84–86
 igneous rocks, 135B55:887
 lava, 135B29:529–530
 morphotectonics, 135A(1)5:184–186
 petrology, 135B25:429, 439–441
 propagation, 135B2:9, 20; 28:511–512; 51:819–828
 seafloor spreading, 135B3:44; 18:288, 298
 sonar imagery, 135B23:373–375
 tectonics, 135A(1)6:251–252

- volcanic glass, 135B3:30
Eastern New Zealand oceanic sedimentary system
 marine sedimentation, 181A1:8–9, 44; 5:8; 181B1:7–9, 38–55
 paleoclimatology, 181B1:48–51, 107
Eastern volcanic zone (Iceland Plateau), volcanism, 151B17:327
Ecuador
 vegetation, 155B23:381–383; 28:417
 volcanism, 201B19:3
 See also Santa Elena Peninsula
Ecuador Fracture Zone
 geologic setting, 148A2:29; 148B35:436–437
 location, 111B16:179
 tectonics, 140A2:41
Ecuador Rift
 stress directions, 111B10:116
 tectonics, 140A2:41; 170A1:8–9
Ecuador Rift-Inca transform, volcanic rocks, 141B27:337, 343
Edoras Bank margin (Atlantic Ocean N), seismic profiles, 163B1:7
Eel River Basin (Cascadia subduction zone)
 composite section, 167A(1)13:355–356
 gas hydrates, 167B32:350, 352–354
 plate tectonics, 167A(1)1:8
EG63 transect
 flood basalts, 163B2:17–26
 geochemistry, 163B7:63–75
 seafloor spreading anomalies, 152B39:463–464
 seismic reflectors, 152A1:9–12
 volcanostratigraphy, 163B1:5–6, 8–10
 See also Southeast Greenland transect
EG66 transect, volcanostratigraphy, 163B1:6–7, 11–12
Egum Atoll (Woodlark Basin)
 sediment provenance, 180A6:32; 180B(synthesis):12
 tectonics, 180B(synthesis):4
Egypt
 Miocene–Pliocene succession, 160B38:498
 See also Abu Madi sands; Kafr El Sheik Formation; Ras Muhammad pool; Rosetta Formation
Ehrick Formation (Great Australian Bight), planktonic foraminifers, 182B4:11
Eirik Ridge (Greenland S)
 location, 105A1:6; 6:678
 Neogene seismic sequences, 105B51:958, 960
 Pliocene depositional history, 105B51:986
 sediment transport, 105B34:653
 sedimentary sequences, 105A1:12; 5:424
 sedimentation, 105A5:437; 152B1:8, 17
 seismic lines, 105A5:489–490, 496
 seismic reflector thickness, 105A5:422
El Kef (Tunisia NW), carbon isotopes vs. depth, 183B4:39
El Pilar River (Belize)
 depressions, 110B8:113, 124
 mud volcanoes, 110B8:119
El Salvador
 Chalatenango Formation, 165A3:85
 tephra source areas, 165B5:105
 volcanic provenance, 165A4:183
 volcanism, 165A8:387
El Tablero Formation (Gran Canaria), geochronology, 157B11:134, 137
Elan Bank (Kerguelen Plateau)
 garnet sand grains, 183B16:1–8
 igneous provinces, 183A1:1–2, 15–19, 37, 39; 183B1:5
 igneous rocks, 183B1:9–10
 Kerguelen Plateau central, 120B(1)2:34
Ellenburger Formation (Texas W), recovery efficiency, 123B1:14
Ellesmere Island
 carbonate sources, 105A3:47
 Proterozoic quartzarenites, 105A3:44
 Proterozoic siliciclastics, 105B3:45
 stratigraphic unconformity, 105A2:34
Ellice Basin (Ontong Java Plateau), volcanic oceanic plateaus, 192A1:4–6
Eltanin core E54-7 (Kerguelen Plateau), foraminifers, 183B2:1–28
Eltanin cruise
 chert, 120A10:346
 dredge samples, 120B(2)2:35–37
 ice-rafted debris, 120B(2)56:1023
 location, 120B(2)63:1094
Eltanin impact (Bellingshausen Sea), sediments, 178B(synthesis):14; 9:3–4
Eltanin piston cores, impacts, 178A2:17–18
Emerald Basin (New Zealand E), marine sedimentation, 181A1:7–9
Emo (Papuan Peninsula)
 evolution, 180A3:4
 metamorphic core complexes, 180B(synthesis):4
Emperor Ridge, sedimentation, 145A6:276
Emperor seamounts, 145A3:37–83; 4:85–119; 5:121–208; 6:209–302
 Pacific plate, 129B32:576
 primary oxide composition, 121B28:539
 sedimentation, 145A6:275
 silicoflagellates, 145B41:639–643
 site description, 145A3:37–83; 4:85–119; 5:121–208; 6:209–302
 tholeiitic basalts, 129B27:489
 See also Hawaiian-Emperor seamounts; Nintoku Seamount; Vityaz Rise
Emperor Trough spreading center, movement, 145B27:417
Endeavour Ridge (Juan de Fuca Ridge)
 spreading centers, 139B1:22
 tectonics, 139A2:12–15
Endeavour Valley, tectonics, 139A2:11, 23
Enderby Basin (Kerguelen Plateau)
 biostratigraphy, 120B(2)26:488; 55:979, 982; 34:616–617
 drilling, 183A1:22–26
 enriched mantle component (EMI), 120B(1)3:59–61
 hotspots, 183A1:26–30; 183B1:5–7
 lithology, 120B(2)55:981
 magnetic anomalies, 120B(1)5:71; 183A1:3
 magnetobiostratigraphy, 120B(2)31:562
 seafloor spreading, 120B(2)50:920
 Site 748, 120B(2)44:843
Enewetak. *See* Anewetak Atoll

- England
 Cretaceous terrigenous shelf deposits, 103A9:240
See also British Isles
- England S coast, chert, 124E_A18:134
- Englishtown Formation (New Jersey coastal plain)
 aquifers, 174AXS_A(summary):14–15
 biostratigraphy, 174AXS_A1:34, 42–43; 6:94, 100
 lithology, 174AXS_A1:55; 4:13; 5:34–35; 6:30–34
 lithostratigraphy, 174AX_A1:30–31
 photograph, 174AXS_A6:77–78
 stratigraphy summary, 174AXS_A4:39; 5:61; 6:69–70
 strontium isotope stratigraphy, 174AXS_A1:45–46
See also lower Englishtown Formation; upper English-
 town Formation
- Eniwetok Atoll. *See* Anewetak Atoll
- Eolian arc. *See* Aeolian arc
- Eotvos Basin (South Orkney microcontinent), seismic re-
 flectors, 113B3:34–35
- Epi-Tonga region (Vanuatu), lava, 134B20:398
- Equatorial Atlantic Gateway opening, 159B29:364, 366;
 207A1:13–14
- Equatorial Countercurrent
 ocean circulation, 138A(1):10; 138B22:504, 512;
 28:615–625; 33:675
 temperature, 144B20:409
- Equatorial current system
 correlation of oxygen isotope values, 115B32:619
 paleoclimatology, 175A1:12
- Equatorial divergence zone, terrigenous organic carbon,
 159B41:571
- Equatorial Front, oceanography, 202A1:4–6
- Equatorial Intermediate Undercurrent, ferromanganese
 crusts, 144B44:759–761
- Equatorial Pacific Current, ocean circulation,
 138B24:537
- Equatorial region, sedimentation, 138B1:5–21
- Equatorial Undercurrent
 carbonate crash, 206B4:3
 ferromanganese crusts, 144B44:759–760
 ocean circulation, 138A(1):6–7; 10:191; 12:372;
 138B1:6–8; 13:290–292; 22:504, 512; 27:605,
 612–613; 35:723; 44:865; 159B40:550
 paleodrift, 202B12:3–5
- Equatorial Undercurrent subsurface, ocean circulation,
 138B34:695–696
- Equatorial Warm Current, paleoclimatology, 184A1:14
- Equatorial Water Zone, productivity, 121A1:18
- Eratosthenes moat, depressions, 160B38:500–501
- Eratosthenes Seamount (Mediterranean Sea E)
 acoustic properties, 160B42:535–543
 basement, 160B54:741
 bathymetry, 160A1:6–10
 biostratigraphy, 160B2:10, 13; 7:83–98; 30:377–394
 carbonate geochemistry, 160B33:419–436; 35:447–
 451
 collisions, 160A17:513–520; 160B51:681–699;
 53:709–721
 continental fragment, 160B54:730
 crust, 160B54:727
 depositional model, 160B33:434
 geology, 160A6:126–127, 142–143; 7:157, 196–197,
 199; 8:217–218, 263–267; 160B54:742
 hiatuses, 160B40:517–526
 lithofacies, 160B32:403–417
 mass flow deposits, 160B37:465–481
 Messinian, 160B36:457–459
 normal faults, 160B49:645–661
 paleoceanography, 160B52:701–708
 paleoenvironment, 160B36:453–463; 38:483–508
 plate tectonics, 160A1:8–10
 sapropels, 160B17:207–217; 19:242–244
 sedimentology, 160B32:403–417
 structure, 160B52:702–703
 subsidence, 160B39:509–515
 tectonics, 160B41:527–534; 51:691–697; 54:773
 Upper Cretaceous–Eocene interval, 160B31:395–401
See also Terra member
- Eratosthenes Seamount-Cyprus transect, drilling,
 160A1:5–10
- Eromanga Basin (Western Australia)
 benthic foraminifers, 123B14:283
 Bulldog shale, 123B39:754
 sulfur speciation, 123B12:229
See also Toolebuc Formation
- Escalate group (Alboran Domain), lithostratigraphy,
 161B23:308
- Escanaba Trough (Gorda Ridge)
 bathymetry, 169B10:3
 comparison with Middle Valley, 169B10:23–24
 geochemistry, 169B1:1–16
 hydrothermal circulation, 169A1:7–16; 169B10:33
 hydrothermal site, 169B6:1–24
 methane/ethane ratio, 204B15:38
 physical properties, 169B7:1–19
 sediment composition, 139B20:407
 site description, 169A5:205–251; 6:253–298;
 169B10:1–39
See also Central Hill (Escanaba Trough)
- Esmerelda Bank (Mariana island arc), large-ion lithophile
 elements, 125B16:303
- Esmeralda Fracture Zone (Chile triple junction), Miocene
 subduction, 141A3:24–25
- Espiritu Santo, 134A7:95–137
 accretionary complexes, 134B29:528
 basalts, 134A12:413–414
 basins, 134A1:13
 crust, 134B31:560–562
 lava, 134B19:388–390
 lithostratigraphy, 134B4:59–60
 petrology, 134B16:337–338, 342–343; 17:353; 19:375
 principal stratigraphic units, 134A12:391
 sedimentation, 134A1:15; 7:126–129
 site description, 134A7:95–137
 tectonics, 134B2:23
 topographic profile, 134A3:38
 uplifts, 134A3:33, 37–38; 134B1:18; 26:471
See also Navaka Sands Formation; Tawoli Formation
- Estremadura Spur (Newfoundland-Iberia rift)
 bathymetry, 149B1:6
 continental margin, 173A1:8–12
 rift systems, 210A1:5–6

Estremadura Trough, geology, 103B42:765–767
 Estuarine sand aquifer (New Jersey coastal plain), hydrostratigraphy, 174AXS_A7:30
 Etendeka (Parana-Etendeka Province), continental flood basalt volcanism and Tristan mantle plume, 115B5:54
 Ethiopia. *See* Gadeb; Omo
 Ethiopian highlands, rainfall maxima, 117B15:277
 'Eua
 basalts, 135B26:480–482; 28:510; 38:633
 hydrocarbons, 135A(1)10:491
 lava, 135B29:528–529
 morphotectonics, 135A(1)5:184–185
 Euboea (Greece), conglomerate comparison, 160B43:562
 EUC. *See* Equatorial Undercurrent
 Eucla Basin (Great Australian Bight)
 biostratigraphic datums, 182B3:17; 4:10
 Cenozoic, 182A1:3–5
 seismic stratigraphy, 182B1:4–7
 See also Tuit transgression
 Eucla group, lithostratigraphy, 182A1:9–10
 Eucla Platform, Cenozoic, 182A2:1–25
 Eurasia
 Greenland separation, 105A1:6
 plate tectonics, 160A1:5–6; 160B51:688
 See also African/Eurasian plate boundary
 Eurasian Basin
 maps, 105A1:10
 mid-ocean-ridge spreading axis, 151A1:6–9
 plate tectonics, 151A1:14–16
 Eurasian plate
 Celebes and Sulu seas, 124A11:198–199
 extensional basins, 161A1:5–11
 Japan Sea, 127A1:5–6; 128A1:9
 microstructures, 190/196B7:2
 plate boundaries, 151A1:5–6
 plate tectonics, 149B1:3–4
 tectonics, 124B4:52; 190A2:2
 Europe, Cretaceous paleolatitude, 210B15:36
 Europe NW
 stress field orientation, 123B37:672
 syn-breakup volcanism 123B4:102
 European Atlantic margin, listric fault model, 104B45:980
 European plate, convergence, 161B44:557
 Evvia (Aegean Sea), conglomerate comparison, 160B43:563
 Exmouth Plateau (Australian margin NW)
 Aptian–Berriasian unconformity, 123B4:95
 Barrow Delta deposits, 123B1:47
 bathymetry, 123A5:271
 breakup, 123B43:805
 geologic setting, 123B43:801
 heat flow, 123B27:515
 methane, 161A6:233
 mineralogy, 123B41:788
 paleowater depth, 123B43:813, 815
 Rhaetian–Neocomian nondeposition, 123B41:788
 stratigraphic modeling, 123B37:688
 stress orientation, 123B26:505
 structural setting, 123B37:690–691

submarine canyons, 123B4:128
 tectonic history, 123A5:274; 123B37:685, 694
 uplifts, 123B31:578–579
 Valanginian–Aptian hiatus, 123A14:288
 volcanic sediments, 123B1:30
See also Kangaroo syncline; Windalia radiolarite; Wombat Plateau
 Exmouth Plateau arch, formation, 123A4:67
 Exmouth Plateau C
 geologic evolution, 123A1:5; 4:67
 sequence stratigraphy, 123B43:805–806
 Exmouth Plateau N
 Aptian radiolarian chalks, 123B5:127
 geologic evolution, 123A1:5–6; 4:67
 Exmouth Plateau S
 bathymetry, 123B31:566
 volcanic intrusions, 123B4:104
 Explora Escarpment (Antarctica E)
 morphology, 113B4:39–40
 structure, 113B4:39–42, 47
 Explora wedge, seismic reflectors at unconformity boundary, 113B4:44
 Explorer plate (Pacific Ocean N), tectonics, 139A2:11
 Explorer Ridge S, hydrothermal field, 106/109B12:149–150
 Exuma Sound (Bahamas)
 accumulation history, 101A11:464
 aragonite, 101B16:221–244
 carbonate, 101A9:348, 353; 10:396, 401; 11:444, 448–449; 101B16:227–229; 20:292, 299; 24:366; 115B29:542
 celestite, 101B24:375
 dolomite, 101B24:375–377
 drilling objectives, 101B29:462, 464
 gravity flows, 101B21:313–314
 hydrocarbons, 101A9:350; 10:398, 400–401
 lithology, 101A10:389–393; 11:440–441; 101B20:292
 magnetic properties, 101A9:350–353; 10:402–403; 11:449–450; 101B23:334–338
 magnetostratigraphy, 101B16:224, 226; 23:332–333
 organic geochemistry, 101A10:407
 oxygen isotopes, 101B16:229–233
 Pliocene hiatus, 101B16:223–224
 pore water chemistry, 101B23:336–338
 Rock-Eval pyrolysis, 101A9:355; 10:396, 398; 11:448
 sedimentation, 101B15:213–220
 sedimentology, 101A9:343–347; 10:389–395; 11:440–442
 sediments, 101B26:409, 423–424; 115B29:541
 seismic stratigraphy, 101A9:354–355, 362; 10:406–407; 101B26:391, 406, 416, 419–422
 slumping, 101B26:417
 sonobuoy measurements, 101B26:396–397, 418
 strontium/calcium ratio, 101B24:374–375
 structure, 101B26:406–407
 turbidites, 101B14:203–212
 Exxon records (New Jersey coastal plain)
 cycles, 150X_B15:203
 “eustatic” sea level curve, 131B26:322–323
 multichannel seismic lines, 150A2:14
 Oligocene–Miocene interval, 150B24:425–428

Eyre Terrace (Great Australian Bight)

- cross section, 182A1:46
- lithostratigraphy, 182A1:9–10
- principal results summary, 182A1:16–19
- summary, 182A1:38–42

F

Facpi Formation, Mariana forearc, 125A1:6

Faeroe Basin, volcanism, 151B1:10–11

Faeroe-Iceland-Greenland Ridge, physiography, 152A1:6–7

Faeroe Islands

- Cretaceous niobium spike in tholeiitic basalt, 119B15:294
- evolution, 104B51:1044–1045
- physiography, 162A1:8
- sediments, 104B33:668

Faeroes Plateau

- lava group, 152B40:488
- volcanic rocks, 152B28:347; 41:505

Faeroe-Shetland Channel, 105B36:720

- physiography, 151A1:7
- volcanism, 151B1:10–11

Faeroe-Shetland Escarpment

- seismic facies, 163B1:13–14
- structural features, 104B51:1034

Faeroe-Shetland marginal high, evolution, 104B51:1045, 1047

Falkland-Agulhas Fracture Zone, geology, 114A10:550; 11:622; 114B1:5

Falkland-Agulhas Ridge system, geology, 114A8:365

Falkland block, geology, 114A5:88, 117; 7:304

Falkland Fracture Zone, geology, 114A3:30, 31; 8:365; 9:484; 114B1:6, 21; 21:367

Falkland gap, geology, 114A2:23

Falkland Plateau

- biostratigraphy, 113B53:939, 948, 952; 119B48:874; 120A6:109; 120B(1)21:361; 123B39:754
- faulting, 120B(1)9:129–130
- geologic setting, 120B(1)12:164
- geology, 114A2:23; 3:27; 6:153, 193, 198; 7:305; 8:365
- glaciation, 120B(1)12:174
- ice-rafted debris, 120B(1)14:207, 216
- ice sheets, 120B(2)56:1005–1006
- Maud Rise biogeography comparison, 113B53:938
- Neocomian sediments, 123B39:752
- organic-rich facies, 113B16:206–207
- Pliocene–Pleistocene cooling event, 113A10:538
- Site 747, 120B(2)47:884–885
- Site 748, 120A7:227

See also Maurice Ewing Bank

Falkland Ridge, geology, 114A2:23

fallout

- volcanic ash, 151B17:324–327
- volcanism, 151B17:312–315
- water-mass exchange, 162A1:13

Famagusta-Hatay unit (Mediterranean Sea E), tectonics, 160B54:753–756

fanglomerates (Cyprus)

- lithofacies, 160B43:549–551, 556–562

- uplifts, 160B43:545–566

Farallon plate (Pacific Ocean)

- convergent margins, 205A1:7–8
- geology, 200A1:3–4
- hotspots, 205B9:12–13
- oceanic plateaus, 165A1:9–10
- paleolatitude, 165B9:170
- plate tectonics, 170B7:1–10
- sedimentation, 143B8:117
- subduction, 165A3:85
- tectonic evolution, 145B27:415
- volcanism, 165A4:184

See also Kula/Farallon plate; Pacific-Farallon-Izanagi triple junction; Pacific-Izanagi-Farallon triple junction

Farewell Fracture Zone (Labrador Sea), geology, 105A5:423, 429

Farilhoes (Portugal), Hercynian basement, 103B1:5, 8

Farmingdale member (New Jersey coastal plain), Eocene, 150X_B16:210

Faroe. *See* Faeroe Islands; Iceland-Faeroe Ridge

Fataga Formation. *See* Llwer Fataga Formation; upper Fataga Formation

Fataga group (Gran Canaria)

- deposition, 157A10:514–515
- evolution, 157B9:103; 27:453
- geochemistry, 157A10:521, 523; 157B17:306
- geochronology, 157B11:133–134, 140
- islands, 157A2:14–15
- photomicrograph, 157A7:356–357
- sedimentation, 157A9:468
- sediments, 157A8:414
- volcaniclastic units, 157B15:228–291
- volcanism, 157A2:17, 19–23; 7:340; 9:456–457
- wireline logs, 157B3:29–37

fault systems (Astoria Fan)

- seismic units, 204B2:7–8
- map, 204B2:24
- tectonics, 204B2:9–111

fault zones (Woodlark Basin), structures, 180A6:40, 42–43

Feni Drift (Atlantic Ocean)

- basement, 162A3:79
- magnetostratigraphy, 162B8:114–116
- multisensor track data, 162B18:247–257
- planktonic foraminifers, 162B2:21–23
- sediment drifts, 162A1:14
- sedimentation, 145A6:274; 152B1:15
- seismic stratigraphic units, 162A3:87–88

Fergusson Island (D'Entrecasteaux Islands)

- tectonics, 180B(synthesis):4
- topography, 180A1:33

Ferrar Fjord (Antarctica), glaciogenic sediments, 119B6:119

Ferrar Glacier, Pliocene–Quaternary advances and retreats, 119B6:79

Ferreira do Alentejo–Ficalho thrust (Portugal), Variscan basement, 149B1:7–8

Ferreira do Zezere–Portalegre thrust (Portugal), Variscan basement, 149B1:7–8

- Figueiro Fracture Zone (Iberian margin W)
 olistostromes, 149B45:692
 tectonics, 149B36:584–585
- Fiji
 counterclockwise rotation, 134A1:9
See also north Fiji Basin; south Fiji Basin; Tavua Caldera; Tonga-Fiji region; Vanuatu-Fiji-Lau-Tonga area; Zephyr shoal
- Fiji Basin. *See* Hunter Fracture Zone; north Fiji Basin
- Fiji Platform, evolution, 135A(1)4:92
- Fiji-Tonga-Lau protoarc, evolution, 135B51:824
- Filchner-Ronne ice shelf, Pliocene expansion, 113B53:957
- Findlater jet (Arabia), wind stress gradient, 117B14:271
- Fisher Glacier (Antarctica)
 glaciology, 188A1:6–7
 longitudinal foliation, 119B5:75
 surges, 119B5:62, 73
See also Lambert Glacier
- Flagstone Bench Formation (Australia)
 Prydz Bay, 119B45:797
 redbed correlation, 119B3:54
- Flavio Gioia Seamount (Tyrrhenian Sea)
 basaltic breccia, 107B38:718
 location, 107A7:289
 sillimanite-bearing basement, 107B2:33
- Fleina Rift (Norwegian-Greenland Sea), faulting, 104B50:1003
- Flemish Cap (Iberia-Newfoundland rift)
 geology, 103B1:11; 44:789, 798
 location, 103A7:119
 provenance of gravity-flow deposits, 210B2:5–8
 rift systems, 210A1:4–6; 210B1:9
 sandstone, 103B30:508
- Flemish Cap Graben, rift systems, 210A1:4–6
- Flemish Cap margin, crust formation, 103B4:42
- Flemish Hinge, rift systems, 210A1:5–6
- Flemish Pass Basin (Newfoundland-Iberia rift), rifting, 210A1:4–6; 210B1:6
- Florence Rise (Cyprus arc)
 geology, 160A10:337; 160B54:775
 lithofacies, 160B36:459
 Miocene-Pliocene succession, 160B37:478
 offshore geology, 160B54:736–737
 tectonics, 160A1:6
- Florida
 Oligocene-Miocene correlation, 150X_B12:152–153
See also Arcadia Formation; Key Largo well (Sinclair); Ocala limestone; Palm Beach well (Humble/Florida); Pine Key Formation
- Florida-Bahama Platform, fluid flow, 171B_B2:2–3
- Florida Current
 sedimentology, 101A5:57–61
 transport, 101B20:281
- Florida escarpment
 fluid flow, 171B_B2:2–3
 prograding clinofolds, 121B37:753
- Florida Straits. *See* Cay Sal Bank
- Florida W. *See* west Florida margin
- Flysch complex (Spain), orogenic belts, 161A1:7
- Flysch Trough units (Spain), terrains, 161B44:557
- FM35-12 expedition seismic survey (Pigafetta Basin)
 coverage, 129B31:554
 DSDP sites, 129B31:553
 multichannel seismic air gun profile, 129A4:228, 230
 track chart, 129A4:175
- Foch Island (Kerguelen Plateau)
 isotopes, 121B31:598–599
 Ninetyeast Ridge comparison, 121B31:598–599
 tholeiite eruption, 121B31:599
- Fogo Basin (Cape Verde), structure, 103B44:797–798
- Fold F (Astoria Fan)
 maps, 204B2:24
 seismic units, 204B2:6–7
 tectonics, 204B2:9–10
- Fonualei
 basaltic andesite, 135B24:386
 dacite, 135B30:533
- Formation A-L (Caribbean Sea)
 basaltic basement, 165A6:325–326
 basalts, 165B15:233–235
 photograph, 165A6:328–329
 photomicrograph, 165A6:346
- Fort Mott Site (New Jersey coastal plain), 174AXS_A4:1–50
 background and objectives, 174AXS_A4:3–5
 biostratigraphy, 174AXS_A4:28–29
 core summaries, 174AXS_A4:43–44
 hydrogeologic summary, 174AXS_A4:3
 introduction, 174AXS_A4:1
 lithostratigraphy, 174AXS_A4:10–28
 location map, 174AXS_A4:35
 operations, 174AXS_A4:5–9
 pollen, 174AXS_A4:45–47
 site description, 174AXS_A4:1–50
 site summary, 174AXS_A4:1–3
 strontium isotope chronostratigraphy, 174AXS_A4:29–30
 summary and future work, 174AXS_A4:30–31
- Four Ladies Bank (Prydz Bay)
 bathymetry, 188A1:5
 depth, 119B6:80
 development and ice-shelf stability, 119B6:115
 glacial tills, 119A8:290
 morphology, 188B1:9–11
 synthetic seismograms, 188B10:3
 topography, 119B3:64
 topsets, 188B14:26
- Fram Bank (Prydz Bay)
 bathymetry, 188A1:5
 development of ice-shelf stability, 119B6:115
- Fram Strait, 105B36:720
 biostratigraphy, 151B5:78–82; 8:158–159; 9:169–173; 14:257–283; 35:641–642
 carbonates vs. age, 151B30:501
 Cenozoic, 151A13:401–402; 151B31:518
 drilling, 151B1:20
 oceanic circulation, 151A1:17–18
 opening, 151A1:19–20
 organic matter, 151B22:391–405, 407–414
 paleoceanography, 151A1:25–26; 151B22:391–405; 32:569–582

paleoclimatology, 151B31:515–517; 36:654;
162A1:14–15
physical properties, 151A13:407; 151B34:595–626
plate tectonics, 151A1:14–16; 162A1:7
Quaternary, 151B28:469–482
sea ice, 151B2:25–36
volcanism, 151B1:10–11

France
coccolithophorids, 144B7:144, 146
See also Provence

France SE
deposition, 171B_A6:262
See also Vocontian Basin

Franciscan complex (California)
detrital component, 167B23:268–270
magmatic intrusions, 125B24:407
peridotite emplacement 125B36:611
sediments, 167B22:259
See also Marin Headlands Terrane

“Frankenstein” veins (Izu-Bonin Trench)
peridotites, 195A1:12
photograph, 195A3:82, 90
Site 780, 125A8:165–166
Site 783, 125A14:263

Fraser glaciation (Cascades), geology, 169S_A2:14
Fraser River, geology, 169S_A2:13–14
Fraser River delta, sediment provenance, 168B5:59
Fred H. Moore
data logging, 102B8:101–102
records, 102A2:7–8; 3:95, 97, 102–103, 107, 122, 123,
149; 102B1:3–4; 2:21; 8:98–100; 11:156, 157

French Atlantic margin. *See* Parentis Basin
French Guiana-Brazil margin. *See* Demerara Plateau
French Guyana, geologic history, 207A1:3–4
French Polynesia
hotspot chains, 144B35:608
islands, 144B33:573
isotope geochemistry, 144B31:535–545
See also Austral Islands; Marquesas hotspot

frontal out-of-sequence thrust zone (Nankai Trough)
geology, 190A1:6
structural subdivisions, 190A2:5

Fuengirola Canyon (Alboran Sea NW), sedimentation,
161B4:65–66

Fuerteventura (Gran Canaria)
basins, 157A2:13; 157B27:461
sandstone, 157B12:168–169
seismic reflectors, 157B2:26–27

Fuji drainage basin, sedimentation, 131B2:24

Fukujin Seamount (Mariana Trough N), large-ion litho-
phile elements, 125B16:303

Fukushima Basin (Japan Trench), volcanic front, 186B1:6

Fulmar fault (Cascadia subduction zone), accretionary
prisms, 204B14:5

Funakawa Formation (Japan Sea)
deposition, 128A1:17
dolomite, 127/128B(1)6:75
foraminifers, 127/128B(1)12:187
lithostratigraphy, 127A5:198; 128A4:136–137; 5:354

Futuna (Pacific Ocean), lava, 134B20:398

G

Gadeb (Ethiopia), palynology, 117B22:397–398

Gakkel Ridge (Arctic Ocean)
mid-ocean-ridge spreading axis, 151A1:6–9
physiography, 151A1:7; 151B1:6–9
plate tectonics, 151A1:14–16; 162A1:7

Galapagos “gore,” tectonics, 140A2:41

Galapagos hotspot
formation, 165A4:160
lithostratigraphic units, 170A3:60–61
oceanic plateaus, 165A1:9–10; 6:293–295
paleolatitude, 165B9:170
plate boundary, 170A1:7; 170B7:4
tectonics, 140A2:41
tephra, 205A4:26

Galapagos Islands
basalt neodymium isotopes, 111B5:57–58
crust, 138B44:864
oceanography, 202A1:4–6
sedimentation, 138B35:729, 749–750
strontium isotopes, 111B5:57–58
tectonics, 138B35:723
tholeiites and ferrobasalts correlation, 121A15:526;
121B30:579
trace elements, 205B9:9–10
See also Darwin/Genovesa Island; Darwin/Wolf Is-
land; Isla Floreana; Nazca/Galapagos plate
boundary

Galapagos microplate
morphotectonics, 147B28:462
tectonics, 147A1:6–8

Galapagos Platform, surface sediments, 138A(1)8:101–
102

Galapagos Rift
basalts, 118B2:29; 121B29:556
ilmenite-magnetite proportions, 118B2:31
stress directions, 111B10:116
tectonics, 140A2:41

Galapagos Rift E, volcanic rocks, 141B27:337, 343

Galapagos spreading center
basalts, 203B2:8–9
crystallization intervals, 118B4:90
hydrothermal samples, 106/109B12:147, 149–150
liquid evolution vs. Skaergaard Intrusion, 118B4:100–
101
mineralogy during differentiation, 118B4:91, 93
oxygen fugacity, 118B4:102
paleobathymetry, 138B42:827
pole rotations, 138B1:8
seismicity, 170A1:8
site description, 148A2:27–121
spreading centers, 138A(1)1:6–8
strontium in basalt glasses, 118B4:84
tectonics, 138A(1)11:313–317; 12:372–373; 140A2:41
volcanism, 165A4:184
See also Cocos-Nazca spreading center

Galapagos triple junction, tectonics, 140A2:41

Galicia, limestone paleoredox conditions, 115B39:709

Galicia Bank (Newfoundland–Iberia Rift)
basement, 103B1:5

- bathymetry, 103A5:78; 103B2:14
channels, 103B2:18, 21
compressive phases, 103A5:84
continental margin, 149B1:4; 173A1:8–12
deformation of peridotites, 149A4:91–93; 173A1:8–10
emergence, 149B11:274
erosion, 103B2:16
flexure, 103B2:19–20, 28
formation 1–5, 103B2:13, 15, 17–18, 20
lithology comparison, 210B9:19–22
lithostratigraphy, 210A3:58–63
location, 103A5:79; 7:119
mantle, 149A4:82
metamorphic rocks, 149B47:729
peridotites, 149A4:82–83
radiogenic heat, 149B44:675–682
rift systems, 210A1:4–6; 210B1:9–15
seafloor spreading, 149B1:17–18
seismic profiles, 210A1:26
tectonics, 149B47:729–731; 173A4:98–102
transition, 149A1:7–8
unconformities, 103B2:17
uplifts, 103A1:5, 7
Valanginian paleoenvironment, 103B2:17–19, 21–23, 25
See also Galicia margin SW; Tore-Madeira Rise
- Galicia Bank SW
basement depth, 103A5:85
canyons, 103A5:81, 85–87
fault blocks, 103A5:85, 90–92, 95
magnetic anomalies, 103A5:95
Seagal SeaBeam survey, 103A5:84–85
- Galicia Bank W, Aptian oceanic crust, 103A5:84
- Galicia Basin, sediments, 103B42:758, 760
- Galicia Interior Basin
bathymetry, 149B1:6
continental margin, 149B1:4
rift systems, 210A1:4–6
rifting phases, 210B1:6
subsidence, 173B7:6
tectonic units, 149B1:8–9
- Galicia margin
bathymetry, 103A1:4–5
continental margin, 149B1:4, 6–7
deformation, 149B22:406, 409–410
evolution, 103B2:25
models, 149B38:614
ocean–continent transition, 149B47:713–733
organic matter, 149B13:295–300
peridotites, 149B21:384–395
rift timing, 103B4:43
seismic profiles, 210B1:50–51
tectonics, 149B1:8–9; 36:584–585; 41:650
Tithonian, 149A8:267
See also Cantabrica fault; Cap Ortegal; groupe Galice; Iberia-Galicia margin; Lizard Point; Lusitanian Basin; Ortegal Spur; Porto-Badajoz-Cordoba sinistral shear zone; Porto-Badajoz-Cordoba suture; Porto Seamount; Praganca fault; Urbiena fault; Urgonian complex; Valanginian Basin; Variscan suture zone; Vasco da Gama Seamount; Vidio fault; Vigo Seamount; Vila Franca de Xira
- Galicia margin SW
bathymetry, 103A5:81–82; 103B3:33; 4:38, 41; 37:660; 40:734, 736, 738; 41:746; 45:813
calcium carbonate, 103A2:35
continental margin extension, 103A5:84
downhole logs, 103A2:36–37
drilling, 103A1:3–4, 9–12, 14; 2:19; 5:80
evolution, 103A1:9
faults, 103B3:36; 4:38–39; 41:744–745
geologic cross section, 103B39:712
Hauterivian–Barremian interval, 103B40:737–738
igneous rock classification, 103A2:26–27, 29
Jurassic–Cretaceous interval, 103B40:737
location, 103A1:3–4
lowering, 103B39:711–712
magnetic anomalies, 103A1:5; 5:92–93
organic carbon isotopes, 103A2:35
paleomagnetism, 103A2:30, 33
physical properties, 103A2:35–36; 5:78, 83
pore water chemistry, 103A2:35
rifting, 103A1:10–13; 7:111, 114; 103B39:706
Rock-Eval pyrolysis, 103A2:34–35
sea level changes, 103B40:734, 736
seafloor depth, 103B4:38; 40:734
sediment classification, 103A2:24–26
sedimentary rock classification, 103A2:26–27, 29
seismic reflection profiles, 103A1:14; 5:88–89; 103B39:700–702, 710, 715–732
stratigraphy, 103A1:15
structure, 103A1:7; 103B3:31, 34–35
Tithonian, 103B40:736–737
uplifts, 103B39:711
Valanginian, 103B40:737
well-logs, 103A1:13
See also Hill 5100
- Galicia Ridge, 103B39:707–708
climate, 103B39:711
dimensions, 103B39:708
erosion rates, 103B39:709, 711
- Gambier limestone (Great Australian Bight)
biostratigraphic datums, 182B3:17
lithofacies, 182B4:10
- Gamburtsev Subglacial Mountains (Prydz Bay)
glaciation, 188A1:4
maps, 188B1:29
- Ganges. *See* Indo-Gangetic Plain
- Ganges-Brahmaputra river system
Himalayan uplift rate, 121B15:310–311
middle Siwalkiks deposition, 121B39:825
- Ganges Fan, depositional history, 117A8:192
- Ganges River
Bengal Fan sediment source, 116B6:71–72; 16:204
sediment output, 121B15:298
- Gardar Drift (Atlantic Ocean N)
bathymetry, 162A1:13
biostratigraphy, 162B2:22, 27; 4:51–62
magnetostratigraphy, 162B8:114–116
sediment drifts, 162A1:14
sedimentation, 145A6:274

- seismic units, 162A5:164–165
- Garrett Fracture Zone (East Pacific Rise S)
chromium oxide-enriched clinopyroxene gabbro, 118B1:6
dunites, 147B8:166
harzburgites, 147B6:111–112
high-temperature deformation, 118A3:51
mineral covariation, 118B1:12
nickel-rich olivine, 118B1:6
troctolitic dunite, 147B19:351
- gas hydrate Structure I and II (Cascadia N), Site 892, 146B(1)8:151
- Gascoyne Abyssal Plain (Indian Ocean NE)
geologic setting, 123A1:5; 5:270–272
geomagnetic isochrons, 123B29:550
marine magnetic anomalies, 123B36:659, 662
opening, 123B1:46
seafloor spreading, 123B36:668
sedimentation history, 123A1:6; 123B43:806–807
tectonic subsidence, 123B37:685, 687, 697; 43:810
- Gatun Formation (Panama), volcanic provenance, 165A4:184
- Gaussberg leucitites (Antarctica), correlation with Prydz Bay basalts, 119B15:295, 296
- Gela Basin (Sicily Channel), tectonics, 160A4:56–57
- Gela Nappe, tectonics, 160A4:56–57
- Gelendzhik Rise (Mediterranean Sea), tectonics, 160B54:751–753
- George Creek group (Argo Abyssal Plain), Cretaceous shale, 123B8:181
- George V coast (Antarctica)
Beacon supergroup kaolinitic sediments, 119B7:247
siliceous surface sediments, 119B6:112
- George V Land, siltstone, 119B4:60
- Georgia Basin (Southern Ocean), ice-rafted debris, 120B(1)14:216
- Georgia Rise. *See* Northeast Georgia Rise
- Gerlache Strait (Antarctic Peninsula)
deglaciation, 178B34:4
Neoglacial, 178B34:7
- German Crystalline Rise central, geology, 103B1:8
- Germany
coccolithophorids, 144B7:146
Elster glaciation, 104B6:213
Holsteinian interglaciation, 104B6:213
See also Iberg Reef; Messel shale; Saxo-Thuringian Zone
- Gessoso-Solfifera Formation (Sicily)
geology, 107B13:184
transition from Tripoli Formation, 107B13:184
- Gettysburg Seamount (Gorringe Bank), bathymetry, 149B1:6
- Ghana
mass accumulation rates, 159B41:569–571
Pliocene–Pleistocene, 159B41:557–574
See also Cote d'Ivoire-Ghana continental margin; Cote d'Ivoire-Ghana marginal ridge; Cote d'Ivoire-Ghana slope; Cote d'Ivoire-Ghana Trough
- Gibbs Fracture Zone Water (Mid-Atlantic Ridge), salinity vs. temperature, 177A1:42
- Gibraltar
paleogeography, 161B44:556–559
plate tectonics, 149B1:4
See also Azores/Gibraltar plate boundary
- Gibraltar arc
extensional basins, 161A1:6–8
tectonic evolution, 107B1:14
- Gibraltar Seaway, agglutinated foraminifers, 149B8:209–210
- Gibraltar sill, collapse, 107B1:14, 24; 26:413
- Gioia Basin, subsidence, 107B38:721
- Gippsland Basin (Australia)
biostratigraphy, 133B10:119–120; 182B3:17–18; 188B3:4–8
sea level changes, 123B37:672–673
- GISP2 ice core (Greenland), millennial-scale variations, 202A1:116
- “glauconitic unit” (East Tasman Plateau), dinocysts, 189A7:33–34
- Gloria Drift
bathymetry and magnetic anomalies, 105B51:971
depositional history, 105B51:986
formation, 105A6:734
location, 105A6:677–678, 682
Pliocene sediment supply, 105B51:987
sediment accumulation, 105A6:734; 105B4:58–59
- Goban spur
Albian oceanic crust, 103A5:84
location, 103A7:119
radiogenic heat, 149B44:675
rifting, 173A1:7; 7:114
- Godovari Rift Graben (Prydz Bay), deposition, 119A2:9; 119B1:21
- gold channel-levee system (Amazon Fan)
lithologic units, 155A12:364–366
sediments, 155A12:338
- Golden Dragon Seamount (Pacific Ocean W)
geochronology, 129B21:411
lava, 129B5:148; 20:394
- Golfo de Penas (Chile margin)
collisions, 141B13:185
geologic maps, 141A3:28
- Golfo Tres Montes (Chile margin), tectonics, 141A1:5–6
- Gondwana
basement, 159B10:94
breakup, 120B(2)50:917; 62:1079
burial and subsidence trends, 123B43:810
continental extension, 120B(2)50:918
continental margins, 160A1:6–10; 160B50:670; 51:682–683; 52:706
Devonian–Triassic redbeds, 119B45:795
dike and sill paleomagnetic pole positions, 121B39:820
fit and break-up history, 123B15:314–315; 39:753
isotope geochemistry, 120B(1)2:42–44
Kerguelen Plateau–Prydz Bay region, 119A1:9
Late Cretaceous, 189B1:33
lava, 187B1:19–21
magmatism, 120B(1)2:33–34
magnetic Anomaly M11, 185A1:30
palynology, 120B(1)17:263

- plateau origin, 120B(1)5:76
podocarps, 120B(1)18:276
reconstructions, 113B23:342–344; 119B45:804–807;
123A1:4; 123B15:315; 39:748–749, 753; 43:807,
809
rift-graben systems, 119B1:20
separation, 115B4:43; 117A5:55, 61
sporomorphs, 120B(1)19:288
tectonics, 160A4:56; 160B54:775
Tethys Ocean segment, 123B15:299
Upper Cretaceous, 189A1:70
volcanic evolution, 123B4:89
- Gondwanaland. *See* Gondwana
- Goodenough 1 (Woodlark Basin)
carbonate platforms, 180B(synthesis):13
correlation, 180B(synthesis):30
forearc basins, 180B(synthesis):7–8
- Goodenough Basin
bathymetry, 180A1:33
geophysical surveys, 180A2:6
- Goodenough Bay, geophysical surveys, 180A2:5
- Goodenough Island
basement, 180B(synthesis):6
topography, 180A1:33
- Gorda plate (Pacific Ocean N)
magnetostratigraphy, 167A(1)14:400
plate tectonics, 167A(1)1:8
- Gorda Ridge
composite section, 167A(1)14:391–392
geology, 169A1:11–13
hydrothermal site, 169B6:1–24
magnetostratigraphy, 167B28:311–318
paleoceanography, 167B9:145–150
physical properties, 169B7:1–19
See also Escanaba Trough
- Gorda Ridge E, time series, 167B32:360
- Gorda transect
gas hydrates, 167B32:353
sedimentation, 167A(1)1:11
- Gorringe Bank (Atlantic Ocean E)
bathymetry, 149B1:6
braided brittle-ductile deformation gabbro,
118B26:501
compressive phases, 103A5:84
continental margin, 173A1:8–12
fault maps, 149B1:5
greenschist-facies alteration absence, 118B26:489
peridotites, 149B47:727
plate tectonics, 149B1:4
serpentinites, 103B14:228
turbidites, 149B12:290
See also Gettysburg Seamount
- Gortani Ridge (Vavilov Basin W)
acoustic Units 1–3, 107B38:626
basal sediments, 107B9:133
basement, 107A11:884, 900–901; 107B5:77
bathymetry, 107A5:92; 107B3:39; 10:142; 38:618; 44:717
biostratigraphy, 107A11:890–891
color changes, 107A11:886
dolomitic sediments, 107B9:135–136
geochemistry, 107A11:894–895
geologic evolution, 107B4:54
geologic setting, 107A11:879
heat flow, 107A11:895–896
igneous petrology, 107A11:889–890; 107B4:59, 68–69
lithologic units, 107A11:892–893; 107B1:11
lithostratigraphy, 107A11:877, 880–882, 884–889,
894; 107B9:131; 35:580–581
location, 107A5:92; 11:878, 883; 107B1:5; 2:30; 3:38;
5:76; 18:293; 31:496; 33:538; 35:580; 36:592;
39:640; 40:670
magmatic episodes, 107B38:626
magnetic properties, 107A11:891–892
magnetostratigraphy, 107A11:900
navigation data, 107A5:91
oceanic crust, 107B4:54
organic geochemistry, 107B33:537–542
physical properties, 107A11:892–895
Pliocene–Pleistocene deposition, 107B38:655
sapropelic layers, 107A11:884–887
seismic stratigraphy, 107A2:19; 5:93; 107B38:627
- Gough Islands (Atlantic Ocean S)
Dupal isotopic signature in lava, 121B31:599
incompatible elements in mantle, 113B1:9
- Grafton Passage (Great Barrier Reef)
bathymetry, 133B24:329
drilling, 133A(1)12:481–485
reef development, 133B41:621
seismic lines, 133A(1)12:501
site description, 133A(1)13:509–567; 14:569–677
- Graham Land N (Antarctica), geology, 178B8:5
- Gran Canaria
alteration, 157B26:429–439
ash fall layers, 157B14:201–218; 18:315–328
biostratigraphy, 157B8:83; 10:124
chronostratigraphy, 157B11:127–140; 19:329–341
deposition, 157A10:514–515
drilling, 157A2:11–25
evolution, 157B27:445, 448–450, 456–459, 466–467
Formation MicroScanner imagery, 157B4:39–46
inclusions, 157B22:375–401; 23:403–410
magnetization, 157B6:57–69
magnetostratigraphy, 157B9:97–114
organic matter, 157B21:361–372
paleoceanography, 157B7:73–82
seismic reflection, 157B2:11–27
volatiles, 157B24:411–420
volcaniclastics, 157B3:29–37
volcanism, 157B12:141–181; 27:443–469
See also Barranco de Balos Formation; El Tablero For-
mation; Fataga group; Fuerteventura; Guigui
Formation; Hierro; Hogarzales Basin; La Calder-
illa Formation; Las Palmas Formation; Los Listos
Formation; Upper Fataga Formation; Upper Mo-
gan Formation
- Granada Basin. *See* Andalucía-A1 well
- Granada-D1 well, subsidence, 161B5:73; 44:563
- Grand Banks
basement, 103B1:10
continent/ocean boundary, 103B44:796, 798
continental crust, 210B1:5
extensional tectonics, 149B40:636–645

- geochronology, 210B4:1–13
 geology, 103B1:11; 44:787–788
 magnetic Anomaly M1, 210A1:43–44
 opening, 103B2:21
 plate tectonics, 149B25:439
 rifting, 173A1:8; 210A1:4–6
 sandstone, 103B30:508–509
 sedimentary facies, 103B44:806–807
 seismic sequences, 103B44:802–806
 tectonics, 103B44:800, 802
See also Avalon Uplift; Avalon Zone; Collector anomaly; Jeanne d'Arc Basin
- Grand Banks-Iberia platform, rifting phases, 210B1:6
- Gravina belt (Alaska S), clast provenance, 145B12:203
- gravity cores (Palmer Deep)
 biogenic opal, 178B23:9
 clay mineralogy, 178B8:12, 25
 dissolution, 178B7:8–9
- Grays Harbor Estuary (Washington), hydrothermal circulation, 168A1:7–10
- Great Abaco Fracture Zone (Blake-Bahama Basin), geology, 101B12:189
- Great Abaco member
 biosiliceous event, 159A9:312
 stratigraphy, 101B12:189
- Great American interchange (Panama), geologic history, 138B35:748–749
- Great Artesian Basin (Australia), foraminifers, 123A5:294; 123B1:28
- Great Asian Bank (South China Sea), paleoceanography, 184A1:8–10
- Great Australian Bank, paleoceanography, 184A1:8–10
- Great Australian Bight
 bioevents, 189B6:11–12
 biostratigraphy, 182B3:1–67; 4:1–28; 5:1–16
 carbonate mineralogy, 182B10:1–14; 11:1–14
 cool-water bryozoans, 182B13:1–29
 plate tectonics, 189A1:8
 sedimentation, 182B8:1–24
 summary, 182A1:1–58; 182B1:1–30
 trace elements, 182B16:1–24
See also Abrakurrie limestone; Castle Cove limestone; Clifton Formation; Compton conglomerate; Ehrick Formation; Eucla Basin; Eyre Terrace; Gambier limestone; Gippsland Basin; Hallett Cove sandstone; Jan Juc transgression; Jemmys Point Formation; Jerboa-1 well; Lakes entrance; Leeuwin Current; Little Barrier Reef; Longford transgression; Puebla clay; St. Vincent Basin; Wilson Bluff limestone
- Great Australian Bight Basin. *See* rig seismic cruise
- Great Bahama Bank
 biostratigraphy, 166B1:3–12
 carbonates, 166B2:13–22; 14:145–152
 comparison with Great Australian Bight, 182A2:21
 debris flows, 101B26:404
 fluid circulation, 166A2:21–22; 166B8:91–98
 platforms, 166A1:6
 pore water, 166B9:99–111
 progradation, 101B12:186; 28:445–446; 29:457; 121B37:753
- sea level changes, 166A1:6
 structure, 101B28:439
 sedimentation rates, 166A9:245–246
 turbidites, 166B5:45–60
See also Little Bahama Bank; Unda
- Great Bahama Bank (leeward)
 sediment geochemistry, 166B13:137–143
 sedimentology, 166B6:61–76
- Great Bahama Bank W
 cyclostratigraphy, 166B7:77–88
 geothermal regime, 166B10:113–120
- Great Barrier Reef
 age, 133A(1)12:485
 bathymetry, 133B24:329, 334; 194A1:4–5
 biostratigraphy, 133B1:3–18; 7:93–95; 26:365–378
 bulk carbonate content, 194B9:1–9
 buried reefs, 133A(1)1:20
 continental margin, 133B17:239
 continental slope, 133B14:181–188
 dolomitization, 133A(1)12:485
 evolution, 133A(1)1:16–22; 133B51:759–762
 geochemistry, 133B48:712–714
 lithofacies, 133B24:327–351
 lithostratigraphy, 133A(1)1:13
 magnetic properties, 133B38:543–562
 magnetostratigraphy, 133B49:740–742
 paleoceanography, 133B15:189–202; 33:489–498
 Pleistocene, 133B12:163–173
 reef initiation, 133B16:221–222
 sediment derivation, 133A(1)15:636
 sedimentation, 133A(1)1:5–30; 12:482–483, 485; 133B23:315–325
 seismic sections, 133A(1)1:20
 sequence stratigraphy, 133B25:353–364
 site description, 133A(1)15:615–677
 spicules, 133B28:447–453
 upper slope, 133A(1)12:452–454
See also Capricorn-Bunker Reefs; Grafton Passage; Lizard Island; Pandora Reef
- Great Barrier Reef S. *See* Marion Plateau
- Great Basin W. *See* Lake Clyde
- Great Isaac 1 well
 Abaco event, 101B27:429–430
 correlation with Bahamas NW, 101B27:433
 debris flows, 101B27:428
 deepwater sequences, 101B27:426, 432–433
 geology, 101B28:440; 29:457
 onshore comparisons, 101B26:426
 paleogeography, 101B27:433, 435
 porosity, 101B28:444
 sedimentology summary, 101B27:425–428, 431–432
 seismic reflectors, 101B27:429–432
 stratigraphic succession, 101B27:425, 427; 28:446
 subsidence curves, 101B27:428; 29:466
 tectonic subsidence, 101B28:442
 well-logging data, 101B28:447–448
- Great Magnetic Bight (Pacific Ocean NW), tectonic evolution, 145B27:413, 415
- Great Meteor Seamount (Madeira Abyssal Plain)
 deposition, 157A4:68–70
 turbidites, 157A1:7

- See also* Hyères/Cruiser/Great Meteor seamount chain
Great Salt Lake, depositional environment, 107B16:248;
38:646
Great Valley sequence (California), sedimentary serpen-
tinite deposits, 125A2:11
Greater Antilles/Cayman volcanic arc, dispersed ash
source, 165B6:121
Greater Antilles island arc convergence structure
geology, 101B29:466
influence on Bahama Banks, 101B26:407
volcanism, 165A8:389
Greece
crust fragmentation, 160B51:695
tectonics, 160B51:683
See also Euboea; Orthris Zone; Pelagonian Zone; Pin-
dos Nappes; Santorini
Greece N. *See* Tenaghi Philippon
green channel-levee system (Amazon Fan)
lithologic units, 155A11:312; 20:605, 624
seismic facies, 155A20:621
green marl (New Jersey coastal plain), Eocene,
150X_B16:209–210
green tuff region (Japan), volcanoclastic sediment burial
diagenetic zoning, 121B27:519
Greenland
geology, 105A1:6; 5:441
glaciation, 152A13:283, 286–287
ice cores, 167B11:175–176; 32:355
plate tectonics, 162A1:6–7
tephra, 152B5:53
volcanic history, 151A1:12–16
See also Bopladsdalen Formation; Disko Island; Dye 3
site; East Greenland Current; East Greenland
Tertiary igneous province; GISP2 ice core; Kap
København; Norwegian-Greenland Sea; South-
east Greenland transect; Thule Basin
Greenland-Atlantic margin E, reflectors and a listric fault
model, 104B48:980–981
Greenland Basin
Cenozoic sedimentation, 151A13:404–406
drilling, 151A11:345–381
hydrographic structures, 104B52:1075
mid-ocean-ridge spreading axis, 151A1:6–9
paleoclimatology, 151B36:654
paleosalinity, 151B33:583–591
physiography, 151A1:7, 10–11; 151B1:7–9; 162A1:6
volcanic ash, 151B18:333–350
Greenland E
continental shelf, 152A5:49–52
evolution, 104B51:1047
glacial fan deposits, 162B10:149–166
palynology, 104B33:667–669
trace element composition in tholeiitic lavas,
104B19:373
See also Ammassalik; Blossville kyst; Kangerlussuaq
Basin; Krabbedalen Formation; Lodin Elv For-
mation; Ryberg Formation; Skaergaard intru-
sion; Vandfaldsdalen Formation
Greenland Fracture Zone, physiography, 151A1:8–9;
152A1:6–7; 162A1:6
Greenland ice core GISP2, oxygen isotopes, 184B2:23
Greenland ice core project (GRIP), oxygen isotopes,
172B5:19
Greenland Ice Sheet
glaciation, 162B12:183–185
glacial fan deposits, 162B10:149–166
Neogene glaciation, 151B27:461–465
paleoclimatology, 146B(2)11:161; 23:320
Greenland-Iceland-Faeroe Ridge, subsidence history,
105B52:1006
Greenland-Innuitian ice sheets, Cenozoic and Quater-
nary sequences, 105A1:5
Greenland margin
basement relief, 149B43:672
biostratigraphy, 152B13:191–199; 16:221–231
downhole measurements, 152B38:453–462
magnetic susceptibility, 152B23:271–280
See also Southeast Greenland transect
Greenland margin E
alteration, 152B9:115–128
biostratigraphy, 151B5:75–99; 6:101–124; 8:161;
9:173–180; 12:203–242; 35:641–642;
152B12:161–189; 162B2:27, 33
drilling, 151A11:345–381; 151B1:20
evolution, 152B2:26–27
glaciated shelves, 151A1:9–11
metamorphic rocks, 152B10:129–144
paleoceanography, 151A1:26
physical properties, 151A13:407
physiography, 151A1:6–7
plate tectonics, 162A1:7
pore water, 152B26:307–311
site description, 152A6:53–71
volcanic history, 151A1:11–16
See also Greenland margin; Southeast Greenland
transect; EG63 transect; EG66 transect
Greenland margin SE
aeromagnetic profiles, 152A13:289
basaltic lavas, 152B30:359–372
basement map, 163X_A8:19
biostratigraphy, 152B11:147–160; 19:249–250
breakup, 152A1:5–16
continent-ocean transition, 152B39:463–475
drilling data, 163A1:5–13; 163X_A8:1–37
flood basalts, 163B2:17–35
geochemistry, 163B7:63–93; 10:113–117
geochronology, 163B6:53–62
lava, 152B32:387–402; 163B12:135–148
magmas, 152B40:479–501
magnetostratigraphy, 152B20:253–257
mantle, 152B31:373–386
melt composition, 163B9:95–112; 11:121–122
paleomagnetism, 163X_A8:6
rifted margins, 163X_A1:3–4
secondary minerals, 152B34:417–424
seismic profiles, 163B1:8–13; 163X_A8:3
site description, 152A11:177–256
structures, 152B37:439–451
tectonics and volcanism, 152B41:503–533
volcanic rocks, 152B27:315–357; 35:425–429;
163A3:29; 163B7:63–75
volcanostratigraphy, 163B1:5–7

- Greenland margin W, geology, 105A4:135, 148
- Greenland N
 evolution, 104B33:664, 670; 105A3:44, 47
 glaciated shelves, 151A1:9–11
See also Peary Land
- Greenland NE
 Cretaceous and Tertiary tectonics, 151A11:348–350
See also Wandel Sea
- Greenland Ridge. *See* Faeroe-Iceland-Greenland Ridge
- Greenland S. *See* Eirik Ridge
- Greenland-Scotland Ridge
 bathymetric barriers, 162B11:174–175
 fracture zones, 151A1:5–6
 glaciated shelves, 151A1:9–11
 location, 104A1:17
 lower Miocene, 208B1:18
 mid-ocean-ridge spreading axis, 151A1:6–9
 oceanic circulation, 151A1:18
 organic carbon, 104B5:91
 paleoclimatology, 162A1:14–15
 physiography, 151A1:10–11; 151B1:6–9; 162A1:6
 plant migration, 151B15:293
 plate tectonics, 162A1:7
 sedimentation, 152B19:249; 162A8:266–268
 subsidence, 105A1:15; 5:486, 495–496
 volcanism, 151B1:10–11
- Greenland SE
 sedimentation, 152B1:3–18
 sediments, 152B2:19–28
See also Gyldenloves Trough; landward basalt flows;
 lower basalt series; middle series magmas;
 Southeast Greenland transect; transect EG63;
 transect EG64; transect EG65; transect EG66;
 transect EG68
- Greenland Sea
 mid-ocean-ridge spreading axis, 151A1:6–9
 oceanic circulation, 151A8:224
 plate tectonics, 151A1:14–16; 162A1:7
 sea ice, 151B2:25–36
See also Boreas Basin; Brito-Arctic igneous province;
 Vesteris Bank
- Greenland-Senja Fracture Zone
 fracture zones, 151A1:5–6
 physiography, 151B1:6–9
 volcanic history, 151A1:11–16
- Greenland shelf E
 continental margin, 162A1:6
 depositional history, 152B3:29–38
 site description, 152A7:73–87; 8:89–105; 9:107–158
 stratigraphy, 152A10:159–175
 volcanoclastics, 152B8:93–113
- Greenland shelf W, seafloor spreading, 105A1:6
- Greenland-Spitsbergen Channel, water circulation,
 105B36:720
- Greenland-Spitsbergen sill, physiography, 151A1:11
- Greenland-Spitsbergen Sill Basin, physiography,
 151B1:7–9
- Grenada Basin (Barbados Ridge N)
 deformation, 110B4:38
 location, 110A1:6–7
 opening, 110B4:37
- sediment thickness, 110B4:32
- Group G2 (Alboran Basin), lithologic units, 161A6:196
- Groupe Galice (Galicia margin)
 basement, 149A4:75–83
 geochemistry, 149B23:420
 origin, 149A4:82
 petrology, 149B21:377–395; 36:581
 photograph, 149A4:78
 seismic stratigraphy, 149B39:623–624
 tectonostratigraphic units, 149B39:626
- Grove Mountains
 alpine glaciation, initiation, 119B5:74
 ice cover, 119B5:64
- Guadaiza unit, lithostratigraphy, 161B23:308–314
- Guajara Formation, lithology, 157B18:320
- Guam
 Alutom Formation, 125B9:154
 boninites, 125B13:258–259; 28:501, 504; 38:650,
 652–653
 clockwise rotation, 125B38:629
 lava, 125B12:232–233
See also Agrigan Island
- Guamblin Fracture Zone
 sedimentation, 141B31:393–395
 tectonics, 141B3:48
- Guatemala
 Chalatenango Formation, 165A3:85
 paleoclimatology, 155B25:416
 plate boundary, 170A1:7
 subduction factory, 205A1:5–6
 tephra source areas, 165B5:105
 volcanic provenance, 165A4:183–184
 volcanism, 165A8:386
See also Atitlan Caldera; Los Chocoyos eruption
- Guatemala Basin
 cruise EW9903, 206A4:1–49
 geology, 206A1:10–11
 site description, 202A12:1–101
- Guatemala Basin (Site 844), 138A(1)9:119–188; 10:189–
 263
 carbonates, 138B35:732–734; 41:813–819; 42:832
 deep water, 138B42:831
 geochemical logs, 138B44:860
 site description, 138A(1)9:119–183; 10:189–257
 surface sediments, 138A(1)8:101–102
 tectonics, 138B35:723
- Guayaguayare Formation (Trinidad), geology,
 124B12:174
- Guaymas Basin (Gulf of California)
 alteration, 121B29:553–554
 basalts, 121B29:554; 127/128B(2)83:1337
 heat flow, 121B29:552–553
 hydrocarbons, 121B29:554; 169B3:16–17
 mineral assemblage temperature of formation,
 121B29:553–554
 oxygen isotopes, 121B29:554–555
 oxygenation, 146B(2)23:320, 322
 pore water chemistry, 121B29:554
 porosity, 121B29:553
 regional relationships, 121B29:552
 sediment composition, 139B20:407

sedimentation, 146B(2)8:118–119
thermal metamorphism of sill contacts, 121B29:555
thermogenic component, 121B29:554
Gubbio (Italy), iridium at Cretaceous/Tertiary boundary, 121B19:415
Guiana shield
 continental margin, 155A1:5–16
 sedimentation, 155B7:153–154, 156
Guide Seamount (Pacific Ocean NE)
 composite section, 167A(1)12:313–315
 paleoceanography, 167B8:141–144
Guigui Formation, geochronology, 157B11:137
Guinea Current, Intertropical Convergence Zone, 159B40:553–554
Guinea dome upwelling
 marine productivity, 108A5:328; 108B22:387
 relation to Site 661, 108A6:410
Guinea Fracture Zone, morphologic map, 207B1:17
Guinea Plateau
 geologic history, 207A1:3–4
 morphologic map, 207B1:17
Gulf coast (US), deltaic environments, 117A11:360
Gulf of Aden
 biostratigraphy, 117B13:259; 127/128B(1)11:173
 tectonic history, 117A1:5; 3:35
 See also Sheba Ridge E
Gulf of Alaska
 biostratigraphy, 145B4:66–67
 clast provenance, 145B12:203
 dropstone provenance, 145B34:502
 geology, 145A8:362–363
 sediment fluxes, 145B16:247–256
 See also Baranoff Fan; Limimteveyamim suite; Patton-Murray seamount platform; Scripps Seamount; Yakataga Formation
Gulf of Alaska N. *See* Surveyor Fan
Gulf of California
 barite dissolution, 119B11:217
 barium fronts, 112B30:502
 diagenetic carbonates, 127/128B(1)6:75
 laminated stratigraphy, 112A21:366
 silicification, 124A10:157
 See also Guaymas Basin
Gulf of Guinea
 eolian supply, 159B41:572
 geology, 120B(1)9:129
 magnetic anomaly inversion, 121B28:543
 ostracodes, 159B38:525–531
 paleoenvironment, 159B43:585–603
 thermocline depth, 159B40:552–553
Gulf of Lyons, magnetic anomaly, 107B1:6, 21
Gulf of Mexico
 carbon isotopes, 117B35:571
 carbon sources, 113B50:881
 Cretaceous/Tertiary boundary, 165A1:7
 Glomospira assemblages, 105A6:711
 microbiological studies, 128A4:178
 organic-rich carbonates, 101B25:381, 386
 palynology, 123B21:434
 productivity, 114B31:591

pyrolysis-gas chromatography and mass spectrometry, 112B38:573
shear strength, 124E_A13:81
stable isotopes, 105A4:209
void ratio, 124E_A18:130
Gulf of Naples, pyroclastic layers, 107B18:303
Gulf of Nicoya. *See* Papagayo upwelling event
Gulf of Papua
 buried reefs, 133A(1)1:20
 lithostratigraphy, 133A(1)1:13
 See also Borabi Reef; Pandora Trough; Pasca Reef
Gulf of Suez, geology, 105B15:235
Gulf of Tehuantepec, oceanic circulation, 138A(1)1:6
Gulf Stream
 depositional-erosional history, 101B29:457
 Florida Straits, 101B12:183
 Miocene sediment transport, 101B29:469
 ocean circulation, 150B18:336–337; 172A1:7
 Oligocene flows, 101B30:476
 onset, 101B27:435–436
Gunther Current. *See* Peru Countercurrent
Gunther Undercurrent (Pacific Ocean SE)
 circulation, 202A4:2; 202B1:27
 oceanography, 202A1:5–6, 114
Guyana Basin. *See* Canje Formation
Guyana Current, circulation, 165B4:86
Guyana margin
 location, 110B2:7
 sedimentary processes, 110B3:23–24
Guzelsu unit (Turkey), tectonics, 160B54:750, 770
Gyldenloves Trough (Greenland SE), sedimentation, 152B3:29–30, 36–38

H

Habibas Escarpment (Alboran Basin E), brines, 161A9:405
Hachijo-jima forearc (Izu arc), bathymetry, 125B27:448
Haddim Nappes (Turkey), lithofacies, 160B54:772
Hahajima Seamount (Izu-Bonin forearc)
 boninitic-dacitic rock, 125B11:208
 mantle peridotite, 125B27:451
Haiti. *See* Beloc Formation
Hakone (Japan), geochemistry, 125B9:150–151, 163
Halete volcanic unit (Turkey), tectonics, 160B54:763–764, 766
Hallet Cove sandstone (Great Australian Bight), transgressions, 182B3:18
Halmahera island arc (Indonesia), volcanic rocks, 124B35:477
Haltenbanken (Norwegian Sea), Oligocene deepwater agglutinated foraminifers, 162B11:173–175
Hamersley Basin (Western Australia), Proterozoic sediments, 123B8:181
Hannuoba basalt (China N), subcontinental lithosphere, 127/128B(2)49:811
Haro Strait (Pacific Ocean NE)
 cores, 169S_A2:13
 oceanography, 169S_A2:15–16
Harrie Guyot. *See* Limalok Guyot
Hatay (Turkey)
 ophiolites, 160B54:760, 769

See also Famagusta-Hatay unit
 Hatteras Abyssal Plain (Atlantic Coastal Plain), sediment transport, 150A1:8
 Hatteras Fan, sediment transport, 150A1:8
 Hatteras Formation (Newfoundland-Iberia Rift)
 black shale, 101B29:457, 459, 467
 Blake-Bahama Basin, 171B_A3:77
 clay, 103B35:629
 highstand shedding, 101B29:457, 467
 marl, 103B35:628
 Rock-Eval pyrolysis data, 171B_A6:285
 sedimentation, 103B35:593; 210A1:12; 3:64
 sediments, 103A12:600–601; 103B32:533–534, 536–540; 33:557; 35:588; 45:805
 Hatton Bank margin (Atlantic Ocean N)
 seaward-dipping sequence reflectors, 104B1:16
 volcanic rocks, 152B27:324–325
 Hatton Bank transect
 crust, 152B39:472
 lava, 152B32:395, 398; 36:431–435; 40:488
 seismic profiles, 163B1:7, 14
 transects, 152A1:13–14
 volcanic rocks, 152B28:347
 Hatton Drift, carbonates, 162A4:114
 Hatton-Rockall Basin
 Bolboforma biostratigraphy, 162B3:35–49
 See also Rockall-Hatton Bank
 Hatton-Rockall Plateau, oxygen isotope stratigraphy, 104B9:260, 262
 Hawaii
 discrimination of types, 183B14:27
 lava flows, 183B14:11
 major elements, 197B1:37
 uplift and climatic and sea level changes, 117A1:9; 3:41
 See also Alika slide; Clark slide; Hawaiian Islands;
 Koolau Volcano; Mauna Kea Volcano; Puna; Salt Lake Crater; Tuscaloosa Seamount
 Hawaii-2 observatory
 data, 200B5:1–63
 geology, 200A1:3–4
 location, 200A4:76
 operations, 200A1:2–20, 36–37, 41–46; 4:68–74, 77, 156–157
 synthesis, 200B1:1–44
 tectonics, 200B1:3
 Hawaiian arch
 basalts, 136B11:133–146
 crust, 136B10:119–132
 geochemical logs, 136B13:153–157
 ichthyoliths, 136B2:27–43
 Ocean Seismographic Network, 136A1:3–8
 paleomagnetism, 136B3:45–63
 radiolarians, 136B1:3–25
 rock magnetism, 136B12:147–149
 sediments, 136B5:65–76
 seismic properties, 136B8:99–103; 200B1:20
 volcaniclastics, 136B7:85–95
 volcanic sand, 136B4:53–63
 Hawaiian Deep, sediment thickness, 136A3:27
 Hawaiian-Emperor seamounts
 basalts, 115B1:8; 121B28:526

geology, 197A1:1–92
 hotspot computer model, 130B43:701
 paleolatitude, 115B1:8
 seismic reflection surveys, 197B6:1–17
 stationary mantle plumes, 115B5:53
 volcanism, 145B22:340–343
See also Chinook Trough; Detroit Seamount; Emperor seamounts; Meiji Drift; Nintoku Seamount; Suiko Seamount; Tenji Seamount
 Hawaiian-Emperor volcanic lineament, geology, 197A1:1–92
 Hawaiian hotspot
 geochemistry, 197B1:1–39
 paleolatitude, 115B1:8
 plate motion, 197A1:7–8; 197B1:1–39
 See also Koko Seamount
 Hawaiian Islands
 islands, 144B33:573
 Kerguelen Plateau central, 120B(1)8:103–104
 lava geochemistry, 121A15:528–529
 soils, 144B19:394
 temporal variation of volcanism magma mixing, 121B32:642, 644
 tholeiitic-alkalic transition, 121A15:526; 121B32:612, 633
 volcanic glass, 136B5:61
 See also Hawaii; Japanese-Hawaiian magnetic lineation junction; Kilauea Rift; Lanai; Mauna Kea Volcano; Mauna Loa; South Hawaiian Seamount Province; South Kauai slide
 Hawaiian magnetic lineations
 Berriasian–Barremian interval, 129B32:598
 Jurassic–Lower Cretaceous interval, 129B32:573–574
 Lower Cretaceous, 129B32:578
 lunes, 129B33:618
 paleomagnetism, 129B26:471–481
 Site 303, 129B32:599
 Site 304, 129B32:599
 Hawaiian/Phoenix ridge junction, Magellan Rise microplate, 129B32:574
 Hawaiian pyrolyte, aluminum oxide/silica ratio vs. magnesium oxide/silica ratio, 153B10:213
 Hawaiian Ridge, sediment thickness, 136A3:27
 Hazar group (Turkey), tectonics, 160B54:761
 Hazro inlier (Turkey), tectonics, 160B54:761, 766
 Heard Island (Kerguelen Plateau)
 basalts, 120A8:271; 120B(1)2:42
 basement, 183A1:6, 9, 19–22; 183B1:7
 lead isotopes, 120B(1)3:60; 121B30:569
 magmatic activity, 121B31:609
 neodymium, 120B(1)3:60
 seismic stratigraphy, 120B(2)47:888–889
 strontium, 120B(1)3:60
 tephra fall deposit provenance, 183B9:7–8
 thorium/tantalum ratio, 121B32:644
 trachytes, 183A5:127
 volcanic ash, 120B(1)10:145–146; 11:154
 Heard Plateau. *See* Kerguelen-Heard Plateau
 Hebrides. *See* Rhum layered intrusion
 Hecataeus-Latakia unit (Turkey), tectonics, 160B54:753

- Hecataeus Ridge (Mediterranean Sea E), lineaments, 160B54:750–751
- Heck seamount chain (Juan de Fuca Ridge), tectonics, 139A2:12–15
- Heineken hollow (Juan de Fuca Ridge N), hydrothermal mounds, 139B20:396
- Helgeland Basin (Norway), formation, 104B1:11
- Hellenic Trench
geology, 160A11:379
paleoenvironment, 160B38:500
tectonics, 160A1:5–6; 160B50:670–671
- Hendrickson Canyon (Washington), sediments, 150A1:8
- Hercynian fold belt, Iberian margin W, 103B1:3
- Hercynian orogeny
mafic rocks, 149A7:236
See also Variscan basement
- Herodotus Abyssal Plain (Mediterranean Sea E), geology, 160A10:337
- Hesperic Massif (Iberia SW), Variscan basement, 149B1:7–8
- Hess Deep (Cocos/Nazca plate boundary)
basaltic lavas and dikes, 147B9:173–186
chromian spinel, 147B8:157–172
extrusive rocks, 147A1:8–9
fabrics, 147B17:317–328; 19:347–356
fractures, 147B18:329–345
gabbro-troctolite-peridotite complex, 147B7:135–155
geochemistry, 147B3:59–75
geologic and tectonic setting, 147A1:6–8
hydrothermal alteration, 147B14:255–291; 15:293–309
isotopes, 153B15:306–307
magnetic fabrics, 147B23:393–403
mantle, 147A4:127
melt-fluid evolution, 147B11:213–226
melt migration, 147B2:21–58
metamorphism, 147B10:189–212
morphotectonic map, 147B28:463
paleomagnetism, 147B21:373–381; 22:383–391
petrology and geochemistry, 147B1:3–19
platinum group elements, 147B4:77–90
plutonic and ultramafic rocks, 147A1:9
polyphase alteration of gabbros, 147B13:235–254
rock magnetism, 147B24:405–413
sediment geochemistry, 147B26:443–450
sedimentary sequence, 147A1:8
sediments, 147B27:451–457
seismic velocity, 147B25:417–440; 29:477–490
structural history, 147B20:357–370
structural measurements, 147B32:515–529
sulfides, 147B5:91–101
tectonics, 147B14:256; 28:461–475
- Hess Deep north slope
dike-gabbro transition, 147B2:49
gabbroic rocks, 147B2:36–37
- Hess Escarpment
acoustic basement, 165A4:133
geology, 165B9:151
microcrystalline carbonates, 165B14:227–232
Miocene/late Miocene carbonate crash, 165A8:382
pelagic sedimentation, 165A8:378–379
- sediments, 165A4:194
seismic stratigraphy, 165A6:293–295
site description, 165A6:291–357
- Hess Rise
basement age, 121A13:465
carbonate mass accumulation rates, 121B13:466
carbonates, 121B13:466; 138B35:732
flux values, 121A6:112
stage poles, 144B35:609
volcanism, 121B44:933
- Hibernia field (Iberia–Newfoundland rift), provenance of gravity-flow deposits, 210B2:6
- Hidaka shear zone, Japan Sea tectonic evolution, 127/128B(2)82:1314–1315
- Hierro (Gran Canaria), basins, 157A2:13
- High-Resolution Integrated Stratigraphy Committee. *See* HiRISC section
- Hikurangi Channel system (Pacific Ocean SW)
currents, 181A1:7; 181B1:9
late Neogene sediment sources, 181B1:51–54
lithologic units, 181A8:11
- Hikurangi Fan (New Zealand E), fan drift, 181A1:8
- Hilarion limestone (Cyprus), tectonics, 160B54:749
- Hill 5100 (Galicia margin W)
basement, 103A5:95
bathymetry, 103A5:94
location, 103A1:7
seismic reflection profiles, 103A5:94
- Himalayan arc, oroclinal bending and extensional tectonism, 121B39:827, 829
- Himalayan ayntaxis
Siwalik sedimentation at Western Jammu-Kashmir region, 121B39:827, 829
uplift and thrusting and Ninetyeast Ridge magnetic susceptibility correlation, 121B39:829
- Himalayan Mountains-Tibetan convergence zone
initial contact, 121B39:777
Paleogene, 121B39:778
- Himalayan Mountains-Tibetan orography, evolution, 184A1:4–7
- Himalayan Mountains-Tibetan Plateau complex
elevation increases, 104B6:212–213
monsoonal intensity, 117A10:303
- Himalayan orogeny
initial collision, 121A1:16–17
magnetic susceptibility record, 121A20:424, 426–427
- Himalayan Rise, sediment source of Indian Ocean sites, 115B39:713; 41:767
- Himalayas
Bengal Fan sediment source, 116B4:40; 5:54–57; 6:66, 70–72; 7:81–82; 8:101–103, 111; 31:390–391
deformation, 116B28:345
sedimentation rate impact on uplifts, 121A1:20
tectonic uplifts, 116B8:100–103, 111; 32:398; 121A12:363
tectonics, 167B32:370–371
See also Aulis volcanics/Taltung Formation; Indus-Tsangpo suture zone; Kali Gandaki Graben; Karakorum-Jiali Fault Zone; Karakorum batholith; Stumpata quartzarenite; Tethys Himalaya; trans-Himalayan volcanic arc; Zaskar region

- Himalayas, higher
 Siwaliks sedimentation following uplift, 121B39:824
 tectonic activity and Ninetyeast Ridge magnetic susceptibility correlation, 121B39:826
- Himalayas NW, dating of Siwalik sedimentation, 121B39:825
- Himu Seamount (Pacific Ocean W)
 geochronology, 129B21:411
 lava, 129B20:394
 Pigafetta Basin, 129B5:148
 sediments, 129B14:268
- Hinlopen margin (Svalbard), continental margins, 151A1:10
- HiRISC section (Prydz Bay)
 Pliocene–Pleistocene interval, 188B13:1–38
 spectral data, 188B7:1–49
- Hispaniola, volcanism, 165A3:86
- Hodgkinson Formation (Queensland N), lithology, 133B37:538
- Hodgkinson Province, lithology, 133B37:538
- Hogarzales Basin (Gran Canaria)
 drilling, 157A2:13
 sandstone, 157B12:169
- Hogarzales Formation
 argon isotopes, 157B11:131
 geochronology, 157B11:137
- Hokkaido
 basement, 127A5:177–178
 depositional history, 127A7:349
 geology, 127A1:14; 6:251
 rock outcrops, 127A6:254
 sandstone provenance, 127/128B(1)7:110
 tectonic setting, 128A3:75–77
 terrigenous sediment source, 127A6:307
 upper Quaternary tephrostratigraphy, 186B10:4
- Hokkaido W-Honshu N thrust belt, convergence and compression, 128A3:76
- Hole 735B, narrative history, 176B(narrative):1–20
- Holly Beach water-bearing zone (New Jersey coastal plain), hydrostratigraphy, 174AXS_A7:30
- Holmes Reef (Coral Sea), evolution, 133B52:764
- Honduras
 Chalatenango Formation, 165A3:85
 volcanism, 165A8:387
See also Padre Miguel group; Santa Elena Fault Zone
- Honshu
 basement, 128A3:73
 collision, 190A1:3
 crustal structure of shelf, 128A3:73
 diatoms, 127/128B(1)17:316
 geology, 127A7:325; 128A3:70
 green tuff, 128A3:73; 4:127–128
 Kuroko sulfide deposits, 128A5:239, 251
 lithostratigraphy, 127A1:14–15; 128A1:19
 paleobathymetry, 127/128B(2)76:1200
 planktonic foraminifers, 127/128B(1)27:459
 rock outcrops, 127A7:333–334
 rotation, 128A1:9
 tectonic setting, 127/128B(2)82:1316; 128A3:75–77
 uplifts, 128A4:158
 volcanic events, 127/128B(2)82:1316
- Honshu arc (Japan)
 compressional stress field, 127/128B(1)29:529–531
 diatoms, 127/128B(1)21:360
 geologic events, 127/128B(1)29:536
 marginal basins, 180B6:21–22
 movement, 127/128B(1)29:528
 paleodepths, 127/128B(1)29:526
- Honshu-Izu collision zone
 clay, 190/196B4:9
 metasedimentary rocks, 190A1:27
 sedimentation, 131B2:19, 23
 trench-wedge facies, 190/196B6:10–11
- Horizon A seismostratigraphic unconformity (Lau Basin)
 age, 135B17:267
 correlation, 135B6:98–99
 Pliocene, 135B22:367–370
 unconformities, 135B11:168
- Horizon B seismostratigraphic unit (Lau Basin)
 basaltic sills/flows, 129B31:555
 Jurassic oceanic crust, 129B31:555
 MESOPAC II seismic profile, 129B31:566
 mid-Cretaceous, 129B31:555
 Pigafetta Basin, 129B31:555–557
 Site 801, 129B31:555
 two end-member modes, 129B31:555
 volcanogenic material, 129B31:566
- Horizon Deep Bight (Tonga Trench)
 extent, 135B20:313
 topography, 135B23:376
- Horizon Guyot (Mid-Pacific Mountains), foraminifer ooze, 144B41:685–686
- Hornertown Formation (New Jersey coastal plain)
 biostratigraphy, 150X_B10:114; 174AXS_A1:39–40
 clay mineralogy, 150X_B5:62–63
 lithology, 174AXS_A1:54; 5:30–31; 6:26–27
 lithostratigraphy, 150X_B2:16, 18; 174AX_A1:26–27; 174AXS_A1:20–21
 photograph, 174AXS_A6:76
 stratigraphy, 150X_B1:8–9; 174AXS_A1:3; 5:60; 6:68
- Horseshoe Basin (Newfoundland-Iberia rift), rifting phases, 210B1:6
- Hovgård Fracture Zone (Svalbard NW), physiography, 151A1:11
- Hovgård Ridge
 biostratigraphy, 151B14:257–283; 35:641–642
 Cenozoic sedimentation, 151A13:401
 free-air gravity anomaly map, 151A6:115
 geology, 151A6:115–158
 microcontinent, 151A1:6
 Oligocene–Miocene, 151B15:289–296; 162A1:16
 physiography, 151A1:11; 151B1:6–9
 plate tectonics, 151A1:14–16; 151B14:281
 sea ice, 151B2:25–36
 volcanic ash, 151B18:333–350
- Howell Park (New Jersey coastal plain), diagenesis, 150X_B3:28
- Hoyran. *See* Beyşehir-Hoyran Nappes
- Huang Ho River (China), freshening of Japan Sea, 127/128B(1)26:442
- Hudson apron (New Jersey coastal plain), seismic surfaces, 174A_A5:180, 182

- Hudson River
 sediments, 150A1:7
 submarine canyons, 150B12:236–237
- Hueneme Canyon (California), sedimentation, 146B(2)5:62
- Humboldt Current, effect on clay mineralogy, 112B5:75
- Hunter Fracture Zone (North Fiji Basin)
 displacements, 134A1:5
 petrology, 134B17:358
 tectonics, 135B55:882
- Hunter Islands (Pacific Ocean S), tectonic setting, 134A1:5
- Hunton group carbonates (Oklahoma-Texas), recovery efficiency, 123B6:144
- Hunza region (Pakistan), uplift dating, 121B39:826
- Huon-Finisterre forearc (Papua New Guinea), tectonics, 180B(synthesis):8
- Hutt Lagoon (Western Australia), wavy-laminated gypsum, 107B13:189
- Hyblean Plateau (Mediterranean Sea), tectonics, 160A1:16
- Hydrate Ridge (Cascadia margin)
 authigenic carbonates, 204B5:1–8
 biogeochemistry, 204A1:4–6
 clay mineralogy, 204B7:1–15
 deep-towed side-scan sonar imagery, 204B3:16
 deformation and fluid venting, 204B3:1–15
 downhole logs, 204B23:1–41; 27:1–22
 fluid evolution, 204B13:1–20
 gas hydrates, 204B21:1–11; 22:1–25
 interstitial water isotopes, 204B13:1–20; 19:1–13; 20:1–16
 near-offset vertical seismic experiments, 204B25:1–23
 physical properties, 204B8:1–29; 12:1–148; 24:1–38; 26:1–19
 pore water chemistry, 204B14:1–25; 16:1–22
 rock magnetism, 204B18:1–33
 sediment granulometry, 204B10:1–30
 stress orientation, 204B4:1–14
 structure map, 204B3:14
 tectonics, 204A1:51
See also Amsterdam-St. Paul Zone; Anna de Koenig Seamount; Anticline A; Anticline B; Siletz Terrain
- Hydrate Ridge N, seaward vergent structural style, 204B3:1–8
- Hydrate Ridge S
 acetate and hydrogen in pore fluids, 204B17:1–20
 geologic history, 204B1:3–5
 grain-size and mineralogy, 204B11:1–19
 landward vergent structural style, 204B3:1–8
 location, 204B2:17
 microbial methane generation, 204B15:1–52
 seismic sequence stratigraphy, 204B2:1–29
 subsurface temperature, 204B9:1–25
 thermal regime, 204B1:15–16
 water temperature, 204A1:53
- hydrothermal transition transect, 168A4:49–100
 basement, 168A1:10–11
 drilling, 168A1:14–17
 geochemistry, 168B8:99
 secondary minerals, 168A4:72–73
- site description, 168A4:49–100
 stratigraphy, 168B5:52
 X-ray diffraction data, 168A4:72
 X-ray fluorescence data, 168A4:71
- Hyères-Cruiser-Great Meteor seamount chain, turbidite sources, 157A1:7
- I
 Iberg Reef (Germany), carbonate mineralogy, 166B6:71
- Iberia
 methane, 161A6:233
 plate tectonics, 149B1:3–4
 sediment provenance, 180B6:22
 western margin, 149A1:5–10
See also Central Iberian Zone; South Iberian paleomargin; Spain
- Iberia Abyssal Plain
 bathymetry, 149B1:6
 biostratigraphy, 149B2:27–59; 3:61–78; 4:79–145; 5:147–164; 6:165–192; 8:203–216; 9:217–239; 10:241–265; 173B5:1–50; 7:1–24; 11:1–73
 calcite veins, 149B34:559–569
 cataclasites, 149B36:577–591
 consolidation, 149B20:363–373
 continental margin, 149B1:4; 173A1:8–12
 detachment tectonics, 149B38:603–615
 fabric, 149B19:353–361
 gases, 161A7:319
 geochemistry, 149B29:497–515
 heat flow, 149B44:675–682
 in situ velocities, 149B18:343–350
 J anomaly, 103B2:20
 lithology, 149B37:595–599; 210A1:4–6; 210B9:19–22
 location, 103A1:4–5; 4:79
 magnetic properties, 149B17:335–342; 25:431–446
 magnetostratigraphy, 149B16:315–334
 mantle, 149A4:82
 metamorphosed cumulate gabbros, 149B27:471–488
 ocean/continent boundary, 103A1:7; 149A1:7; 149B47:713–733
 organic matter, 149B13:295–300; 15:305–313
 peridotites, 103B13:210; 149B22:397–413; 23:413–424
 rifting, 173A1:7
 seafloor spreading, 149B1:17–18
 seafloor weathering, 149B31:529–540; 33:553–558
 sedimentary facies, 149B45:685–704
 sediments, 149B14:301–304; 49:741–754
 seismic lines, 149B48:737–739
 seismic stratigraphy and tectonics, 149B39:617–633
 serpentinites, 149B32:541–552; 35:571–575
 tectonics and sedimentation, 149B41:649–657
 tochilinite, 173B2:3–4
 turbidites, 149B12:281–294; 173B6:1–11
 ultramafic rocks, 149B21:377–395; 24:425–429
See also Berlenga-Farilhoes Islands; Cape Finisterre; Galicia Bank
- Iberia Abyssal Plain S
 deformation, 173A1:10–15
 structural data, 173A4:98–102

- Iberia/Africa plate boundary, postrift magmatism, 210B1:24
- Iberia-Galicia margin, lithology comparison with Iberia-Newfoundland rift, 210B9:19–22
- Iberia margin
 compared with western central North Atlantic, 210A3:57–63
 lherzolites, 103A8:131
 location, 103A1:4–5
 plateau interpretations, 103A1:5
 rifting, 103B2:30; 210A1:1–78
 stratigraphy, 210A1:24–28; 3:63–64
See also Grand Banks-Iberia platform; Vigo Seamount
- Iberia margin N, tectonics, 103B10:168
- Iberia margin NW, basement, 103B1:4–5
- Iberia margin W
 basement, 103B1:8
 characteristics, 103B1:6–7
 continental rifting, 149B40:635–647
 deformation, 149B22:406, 409–410
 evolution, 149B10:269–280
 geochemistry, 173B10:1–20
 geochronology, 149B28:489–495
 geologic history, 149B1:9–16
 geology, 149B43:665–674
 geophysical and geological overview, 149B1:3–23
 Hercynian, 103B1:3–11
 lithologic summary, 103B1:9
 magnetic anomaly chart, 149B42:659–663
 rifting, 173A1:8–12
 serpentinites, 149B30:519–527
See also Dom Carlos Valley; Figueiro Fracture Zone; Iberian Hercynides; Ordenes; St. Vincent Canyon
- Iberia S. *See* South Iberian paleomargin
- Iberia SW. *See* Hesperic Massif
- Iberia W, continental margin, 173A1:7–12
- Iberian-Armorican arc, structure, 103B1:11
- Iberian Basin, oxygen isotopes, 108B16:281
- Iberian Hercynides, zones, 103B1:3–4, 6–7
- Iberian margin W. *See* Cascais Canyon
- Iberian Massif SW. *See* Ossa-Morena Zone
- Iberian Meseta, basement, 103B1:8
- Iberian Peninsula, basement, 103B1:3
- Iberian subplates, convergence, 103A1:5, 7
- Iberian Zone central, basement, 103B1:3, 6, 8
- Iceland
 basalt hotspot activity, 115B1:7
 crustal models, 152B39:472–473
 geology, 120B(1)4:68
 mantle melting, 106/109B11:132
 Neogene-Quaternary interval, 104A4:82
 Neovolcanic zone, 152A1:6–7
 physiography, 152A1:6–7
 plumes, 115B5:54; 152B31:385; 40:479–501; 163A1:11; 163B8:88–90
 seismic reflectors with listric fault model, 104B48:980, 981
 tephra transport, 104B18:363–365; 152B5:51–64
 tholeiites and ferrobasalts, 121B30:579
 upwelling, 163X_A1:1
 volcanic ash, 152B6:67–84
 volcanic rocks, 152B28:345–346; 36:431–435
 volcanism, 151B18:347–349
See also Laki 1783 eruption; Vandfaldsdalen Formation
- Iceland continental shelf, physiography, 151A1:7; 162A1:8
- Iceland E
 tholeiitic lavas, 104B19:378
 volcanic rocks, 163A3:29
See also Thingmuli Volcano
- Iceland-Faeroe Ridge
 calcium, 124B14:214–215
 formation and stationary mantle plumes, 115B5:53
 location, 104B31:588
 Miocene-Pleistocene volcanic ash, 104A4:82
 paleoceanography, 151A1:26
 paleomagnetism, 104A4:169
 subsidence, 104B1:11
 tephra, 104B17:337
- Iceland-Faeroe volcanoes, tholeiitic basalts, 121A15:526
- Iceland-Norwegian Sea, Neogene, 151B27:455–468
- Iceland Plateau
 biostratigraphy, 151B4:61–74; 29:483–492; 162B5:63–81
 carbonates, 151B30:500
 Cenozoic sedimentation, 151A13:400–401
 continental margin, 162A1:6
 drilling, 151B1:20
 geology, 151A5:57–111
 mid-ocean-ridge spreading axis, 151A1:6–9
 Neogene, 151B27:455–468
 paleoceanography, 151A1:26; 151B22:391–405
 physical properties, 151A13:407; 151B34:595–626
 physiography, 151A1:10; 152A1:6–7
 plate boundaries, 151B1:9
 tephra, 104B17:337
 tholeiitic basalts, 151B19:351–365
 volcanic ash, 104A4:82; 151B17:309–331; 18:333–350
See also eastern volcanic zone
- Iceland plume, mantle, 152A1:14–15
- Iceland S. *See* Katla Caldera; Tindfjallajkull eruption
- Iceland-Scotland Overflow Water
 circulation, 105B37:745
 currents, 152B1:6–10
 water-mass exchange, 162A1:13
- Iceland Sea, biostratigraphy, 151B4:61–74; 162B2:20–21, 24, 29
- Icelandic Ridge, constructional volcanism, 118B21:366
- Iloilo unit (Philippines), potassium-argon age, 124B23:323–325
- Imarsuak Mid-Ocean Channel (IMOC) (Labrador Sea)
 circulation, 105A6:733; 105B51:957
 sedimentation, 152B1:8
- Inazumi Formation (Japan), occurrence, 128A4:129
- India
 continental collision, 117A1:5
 seafloor spreading, 120B(2)50:920
 separation from Madagascar, 117A1:5
See also Australia-Antarctica-India juncture; Australia-India plate; Intertrappean beds; Madagascar/

- Seychelles/Greater India; Middle Siwaliks; Nagri-Dhok Pathan Formation transition; Nar-sarpur trap; Shillong Plateau; Siwaliks group; Takli Formation
- India Central. *See* Narmada-Son lineament
- India-Eurasia convergence
collision-related secondary components, 121B39:877
completion of suturing and paleolatitude constraints, 121B39:812, 816
Cretaceous/Tertiary boundary faunal evidence, 121B39:818–819
Deccan traps diastrophism, 121B39:819–820
geological record, 121B39:819
initial collision, 121B39:777–778, 811–812, 820–821
Neogene, 121B39:778–779
paleolatitude, 121B39:778, 811–812
paleomagnetic record, 121A12:423–427; 121B39:816–818
sedimentary record, 121B39:821–829
stages, 121A22:453; 121B39:876
tectonics, 121A1:20
- India NE. *See* Rajmahal continental flood basalts; Rajmahal traps; Rajmahal volcanic formation
- India W. *See* Cambay Graben
- Indian/Antarctic plate boundary, migration through Kerguelen Fracture Zone, 121A15:537
- Indian-Australian plates, relative motion models, 121B38:770; 39:881
- Indian Basin C, unconformities, 123B37:681–682
- Indian Bottom Water
carbonate dissolution and corrosiveness, 121B16:307
sediment source, 116B18:216
- Indian Deep Water, carbonate dissolution and corrosiveness, 121B16:307
- Indian Ocean
bathymetry, 115B4:43
biostratigraphy, 120B(1)20:310; 21:361; 127/128B(1)29:505; 11:173; 130B7:248
carbon isotope stratigraphy, 121B15:309
carbonate compensation depth, 124B33:449, 455
Celebes Sea relationship, 124B1:3, 5, 7–8
Cenozoic plate reconstruction, 115A4:126
changing monsoonal gyre, 115B25:468, 485
Chron 6 shift, 121B11:251
circulation patterns, 120B(2)46:867; 121B39:820–821
correlation with Pacific Ocean, 130B7:253–255
Cretaceous paleocurrents, 121B24:487
cruises, 120B(2)62:1080
Eocene cooling trend, 119B10:201
evolution, 120B(2)62:1079
features, 120B(2)62:1079–1080
geochemistry, 120B(1)2:40–41; 121B41:891–893
heat flow, 121A13:506; 127A6:301
hotspots, 115A1:5–9
igneous geochemistry, 121A1:14
intermediate waters, 119B38:694, 704, 707
isotopic composition, 123B42:798
juvenile-to-mature evolution, 123B41:788–789
kaolinite, 120B(1)8:110
lead isotopes, 121B31:606
levels A–H, 121B11:249–250
lithosphere, 123B37:673–675
magmatism, 120B(1)2:33
magnesium oxide vs. titanium oxide, 123A5:326
magnetic anomalies, 121A1:6; 15:518
mid-ocean-ridge basalts, 124B22:315–316
Miocene sources of low-latitude warm saline intermediate waters, 113B49:866
morphotectonic units, 120B(1)9:114
ocean circulation, 175A1:10
oceanic crust, 120B(2)50:918
opening, 123B4:102; 16:345
paleoceanographic zones, 121A1:17–18
Paleocene/Eocene climatic change, 121B39:816
paleolatitude, 120B(2)62:1079
pelagic sedimentation, 123B41:789
pH, 115B34:631, 634; 39:712
physiography, 121A1:31
plate tectonics, 115A1:5–9; 120B(2)50:917
protomagnetic anomaly 34, 121A1:30
sediment mass accumulation rates, 124B33:452–453
sedimentation rates, 123B5:129
sediments, 120B(1)9:113; (2)62:1081
seismicity, 179A5:18
sites drilled, 120B(2)55:980
tectonics, 120B(1)7:95; (2)50:919
volcanic basement, 123A1:7–8
water exchange, 124B29:379
See also Amsterdam Island; Amsterdam/St. Paul islands; Asifabadi Intertrappean beds; Assam Bengal Fan; Australia-Antarctica-India juncture; Broken Ridge; Carlsberg Ridge; Central Indian Basin; Central Indian Ridge; Central Water Zone; Dupal anomaly; DuToit Fracture Zone; East Indian letter stage classification; East Mariana Basin; Kerguelen-Broken Ridge Plateau; Lacadive Islands; Marion Island; Marpo limestone; Mascarene Islands; Mid-Indian Ocean Ridge; North Indian Intermediate Water; Rodriguez Triple Junction; Southeast Indian Ridge; Southwest Indian Ridge; St. Paul Island; Surtseyan eruptions
- Indian Ocean central
stress field, 123B37:680–683
See also Central Indian Basin; Indira Fracture Zone; Wharton-Cocos Basin
- Indian Ocean E
basalt provinces, 183B1:36
drilling, 179A1:1–26
magnetic anomalies, 121A1:25, 27–29
sedimentation pattern, 115B38:707
subtropical, 121A1:24
taxa, 120B(2)33:598
tectonic reorganization, 123B36:668
See also Joey Rise; Naturalist Plateau; Ninetyeast Fracture Zone; Wharton Basin
- Indian Ocean equatorial
calcareous nannofossils, 138B21:479–502
carbonate cycles, 101B16:233
plate boundary formation correlation with Ninetyeast Ridge natural remanent magnetization intensity, 121B39:826

- sea-surface temperature vs. North Atlantic abyssal temperature, 121B15:304
See also Afanasiy-Nikitin Seamount
- Indian Ocean Intermediate Water, extent, 115B25:468
- Indian Ocean MORB mantle isotopic province domain distribution, 187A1:14–16
 magnesium oxide vs. sodium oxide/titanium oxide ratio, 187A1:43–44
 mantle, 187B1:3–4
 zirconium/barium ratio vs. barium, 187A1:43–44
- Indian Ocean MORB mantle isotopic province/Pacific Ocean MORB mantle isotopic province boundary evolution, 187B1:1–40
 geology, 187A1:3–4
 hafnium isotopes, 187B1:38
 location, 187B1:13–14
 mantle, 187B1:18–19
 mantle flow, 187B1:3–4
- Indian Ocean N, tectonic history, 117A1:5
- Indian Ocean NE
 buckling stress, 116B23:281
 coarse fraction long-term changes, 121B15:309
 deformation, 116A1:4–5, 7; 116B29:364
 diffuse plate boundary, 116B28:262
 Eocene/Paleocene boundary hiatus, 121B39:816
 focal mechanisms, 116B22:272
 gravity anomalies, 116A1:4; 116B22:273, 275
 heat flow anomalies, 116A1:5, 7, 9
 interpolate seismicity, 116B22:262; 23:283
 rate and direction, 116B32:398–399
 seafloor spreading, 116B32:398–399
 stresses, 116B22:272
 tectonic events, 116A1:3–4; 116B32:398
 tephra, 121B14:273–274
 triple junction, 116B29:263
See also Gascoyne Abyssal Plain
- Indian Ocean NW
 bathymetry, 117A3:36; 5:52
See also Siquirah fault
- Indian Ocean Ridge, basalts, 120B(1)3:59–60
- Indian Ocean S
 basalt genesis, 120B(1)10:146
 crust, 124A1:5
 ice-rafted debris, 120B(1)14:215
 nannofossils, 120B(2)29:523
 oceanic island basalt isotopic ratios, 121B31:592
 plate tectonics, 183A1:50–51; 183B1:5–7, 39
 sea-ice cover and diatom abundances, 113B45:806
 sites drilled, 120B(1)1:14
 taxa, 120B(2)29:527; 30:543
 tectonic models, 116B22:264
See also Labuan Basin; *Petuna Explorer* sample; Southeast Indian Ridge
- Indian Ocean SE
 bathymetry, 120B(2)51:932
 geological setting, 121A4:71
See also Ob Trench (Indian Ocean SE)
- Indian Ocean SW. *See* Crozier Basin; DuToit Fracture Zone; Mauritius Island; Melville Bank
- Indian Ocean tropical. *See* Seychelles-Saya de Malha platform
- Indian Ocean sources, depth anomalies, 187B3:5–10
- Indian Ocean triple junction, tectonics, 118B21:361; 179B(synthesis):4–5
- Indian Ocean W
 hotspot activity at Cretaceous/Tertiary boundary, 115A4:128
 Tertiary basin development, 115B1:5–7
See also Madingley Rise; Mahé Island
- Indian Ocean W equatorial
 age model, 115B25:469–470
 basement description and classification, 115A2:37–38
 bathymetry, 115A3:46; 4:127; 6:402, 404, 430; 9:658, 660, 695; 115B2:12; 33:622; 37:680
 between-hole correlation, 115A9:663
 biostratigraphy, 115A1:9; 2:26–32; 6:406; 9:664–669; 115B14:135, 138–139, 141, 144–145, 154–158; 15:175–184, 189–190, 192, 195; 16:237–250; 19:288, 291; 20:317–318, 322–345; 22:400–405; 23:415, 417, 419, 421–430; 24:433–440; 33:621–623; 44:795–836
 carbonate-free sediments, 115B37:678, 685
 carbonates, 115A1:11–13; 115B25:467–507; 39:709–713
 core handling, 115A1:11; 2:18–20
 geochemistry, 115A2:35–36; 6:414, 416; 9:674–675
 lithostratigraphy, 115A1:8–9; 6:401, 405–406; 9:657, 661–664; 115B37:678
 lithotypes, 115B37:683
 location, 115A6:401, 403; 9:657, 659; 115B25:468; 33:622; 34:630; 37:678–679; 41:738
 magnetic properties, 115A6:413; 9:669–674; 115B40:723, 728–730; 41:739–768
 magnetostratigraphy, 115A2:32–35; 115B40:729–730
 mineralogy, 115A6:416, 419; 9:675
 navigation data, 115A3:43, 45, 60, 70, 86–122
 Neogene, 115B25:505
 paleoceanography, 115A1:9, 11–14
 Paleogene, 115B25:506–507
 paleolatitude, 115B40:734
 physical properties, 115A2:38–39; 6:417–423; 9:676, 678–680
 Pliocene–Pleistocene interval, 115B25:505
 pore water chemistry, 115B34:630–634
 reflection profiling, 115A3:43–45, 61–63, 71–72
 sediment classification, 115A2:20–25
 sedimentary sequence, 115B25:469–470
 sediments, 115B38:699–707
 seismic stratigraphy, 115A3:43–45; 6:422; 9:680
 stratigraphy, 115A1:14; 9:659
 well-logging, 115A2:39–40
- Indian-Pacific throughflow, Cenozoic, 181B1:11
- Indian plate
 Celebes and Sulu seas, 124A3:35; 124B3:47
 Cenozoic, 121A1:19
 Cretaceous/Tertiary boundary, 121B39:818
 equatorial crossing, 121B39:811
 movement, 115B1:5; 4:43; 120B(2)50:921–92; 121A11:306–307; 12:362–363; 121B26:516; 39:777; 130B43:700
 paleolatitudinal control, 121B39:811

- paleomagnetic pole positions, 121B39:874–875, 879–880
- relation to Australian motion, 121A1:13
- slowdown, 121B39:778, 812, 816
- See also* Nanga Parbat-Haramosh region
- Indian Ridge. *See* Central Indian Ridge; Southwest Indian Ridge
- Indira Fracture Zone (Indian Ocean central)
 - bathymetry, 116A7:197, 204
 - free-air gravity anomalies, 116A7:205
 - location, 116A7:198
 - magnetic anomalies, 116A7:197, 202
- Indo-Australian plate
 - active margin, 135B12:173
 - apparent polar wander path, 135B47:771–775
 - breakup event, 123B4:101; 15:316
 - computer modeling, 130B43:697–699, 704–705
 - counterclockwise rotation, 123A4:136–138
 - deformation, 123B26:503
 - diffuse boundary, 116B23:281
 - earthquake locations, 116A1:9
 - evolution, 123B37:673
 - intraplate stress, 123B26:509, 513; 37:674–675, 680, 693
 - Kerguelen Plateau central, 120B(2)50:917
 - motion changes, 130B25:432–433
 - paleolatitude, 123B28:531
 - stress model, 116B22:270–272
 - subduction zones, 135B18:288; 23:373; 193A1:3–5
 - tectonic disruptions, 135B12:182; 20:313
- Indo-Gangetic Plain, Bengal Fan sediment source, 116B5:55
- Indo-Pacific Province
 - belemnites, 123B22:446–447
 - biostratigraphy, 123B16:357, 359; 133B26:371
 - ocean circulation in upper Oligocene, 202B3:5–6
- Indonesia. *See* Australian-Indonesian low-pressure zone; Halmahera island arc; Kawio Islands; Mahakam Delta; Mahanadi Basin; Mahanadi rift graben; Mahanadi Valley; Sangihe arc; Sulawesi arc; Sumatra Trench; Toba Lake event
- Indonesian arc
 - tephrochronology, 121A12:363–364
 - volcanic ash at Ninetyeast Ridge sites, 121A12:374
- Indonesian low-pressure system
 - Cagayan Ridge, 124A12:301
 - Sulu Sea, 124B29:379
- Indonesian Seaway
 - carbonate crash models, 206B4:11
 - seaway closure, 198A1:107
 - tectonics, 167B32:370–371
- Indrani Fracture Zone (Arabian Sea)
 - bathymetry, 116A7:197, 204
 - free-air gravity anomalies, 116A7:205
 - location, 116A5:98; 116B24:293
 - magnetic anomalies, 116A7:197, 202
 - seismic reflection profiling, 116B24:294–295
- Indus Fan
 - abutment with Owen Ridge, 117A3:35
 - bathymetry, 117A5:51–52
 - channel width, 117A5:52
 - deposition, 117A18:169, 192; 117B10:220
 - episode I development, 117B10:219
 - Himalayan uplift changes, 117A1:9
 - levee crests, 117A5:52
 - marker horizon interhole correlation, 117B6:156
 - meandering channels, 117A5:54
 - Owen Ridge uplift, 117B10:215
 - radiolarians, 117B4:95, 98–99
 - sediment extent and thickness, 117A5:51
 - seismic stratigraphy, 117A5:52
 - tectonic history, 117A1:5
 - turbidite source, 117A10:260
 - upwelling species, 117B4:94–95
 - See also* Lakshmi Ridge; Site 720
- Indus River
 - runoff, 117B21:366
 - transport of minerals to Indus Fan, 117B9:198
- Indus-Tsangpo suture zone (Himalayas), secondary magnetization component, 121B39:811–812
- Indus Valley
 - geochemistry, 115B32:616–617
 - oxygen isotopes, 115B32:618
 - Pleistocene cyclicity, 115B32:619
 - sediment source, 115B38:707
 - Site 709, 115B32:613
 - Site 716, 115B35:648
- Ingrid Christensen coast (Prydz Bay)
 - bathymetry, 188A1:5
 - glaciology, 188A1:6–7
- inner deformation front (Mediterranean Sea E)
 - geology, 160A10:374
 - mud volcanism, 160B50:669–670
- Inshore Countercurrent (North America W), sedimentation, 146B(2)21:281–284
- Inspired mound (Juan de Fuca Ridge), hydrothermal mounds, 139B20:396
- instantaneous transform zone (Lau Basin), lineaments, 135B51:821, 823
- Interior Basin (Portugal)
 - geology, 103B39:706
 - location, 103B6:84
 - maps, 103B39:711
- intermediate Lau spreading center, geochemistry, 135B24:386–425
- Intertrappean beds (India), Laurasian affinity microvertebrate fauna, 121B39:818
- Intertropical Convergence Zone
 - carbonate crash, 206B4:3
 - circulation, 108A1:5; 4:221; 118B1:3
 - climate models, 199A3:4–9
 - evaporation rates, 144B12:246
 - glaciation, 155B17:316
 - latitudinal migration, 108B15:256; 117B15:277
 - Neogene, 154B17:266; 18:282–283; 20:301
 - Neoglacial, 178B34:7
 - northward paleoadvance, 108A2:32
 - ocean circulation, 138A(2)19:1085; 138B1:6–8; 13:289–292; 22:503, 512–513; 28:615–625; 35:722–723; 159B40:549–554; 41:558
 - oceanography, 202A1:4–6; 202B1:27–28
 - productivity, 175B18:3–4, 11–12

- radiolarians, 129B30:530; 199B24:1–19
 seasonal positions, 108A5:328; 118B29:465, 467–468
 sedimentation rates, 138B1:14
 tectonics, 138A(1):6
- Inutil Seamount (Mariana arc), bathymetry maps, 191A5:22
- Inyo dike (California), stress field, 127/128B(2)82:1323
- Ionian Basin
 paleoceanography, 160B4:38
 paleoclimatology, 160B18:219–226
 sapropels, 160A5:118, 120; 160B17:207–217; 19:242–244; 26:315–317
- Ionian (Messina) Abyssal Plain
 geology, 160A5:118, 120; 10:337; 13:451, 461; 14:466–467
 tectonics, 160A5:87–88
- Ionian Sea
 geology, 107B4:53, 55
 Messinian gypsum, 160B36:459
 Moho unconformity, 107A2:10
 tectonics, 107A3:58; 160A1:14–16
 Wadati-Benioff Zone, 107A2:16
See also Victor Hensen Seahill
- Ionian Zone, subduction, 160B54:759
- Iran. *See* Zeribar
- Irano-Turanian region, climate, 117B15:278
- Iraq, Miocene carbonates, 160B33:432–433
- Irminger Basin (Labrador Sea)
 biostratigraphy, 152B11:147–160
 clays, 152B4:39–49
 deep-sea currents, 152B1:6–7, 15–17
 evolution, 152B2:26–27
 formation, 152A1:5–16
 general development, 152A13:282
 genesis, 152A13:282–283
 interstitial waters, 152B25:293–305
 isotope stratigraphy, 152B18:243–248
 magnetostratigraphy, 152B20:253–258; 22:265–269
 mass accumulation rates, 163B14:157–162
 Miocene bottom water, 105A6:983
 paleoceanography, 152A13:283
 subsidence, 152A11:208
 tephra transport, 152B5:51–64
 volcanic ash, 152B6:67–84
 volcanic rocks, 163A3:29
 volcanoclastics, 152B8:93–113
- Irminger Current, circulation, 105B25:432
- Isali Formation (Turkey), tectonics, 160B54:757, 759
- Ischia eruption (Italy), pyroclastics, 161B12:152
- Ishikari-Hidaka Basin (Japan), biostratigraphy, 186A4:26
- Iskenderun Basin, tectonics, 160A1:6; 160B54:757
- Isla Floreana (Galapagos Islands), trace elements, 205B9:9–10
- Island Beach (New Jersey coastal plain)
 bathymetry, 150A1:6–7
 core recovery, 174AX_A1:15
- Island Beach borehole
 biofacies, 150X_B16:207–228
 biostratigraphy, 150X_B10:112–118; 13:161–165; 21:287–292
 boreholes, 150X_B1:6–9
 clay mineralogy, 150X_B5:61–63
 comparison to Allaire borehole, 150X_B16:224
 diagenesis, 150X_B3:27, 29
 lithostratigraphy, 150X_B2:15–24
 magnetostratigraphy, 150X_B22:296–298
 Oligocene, 150X_B8:81–86; 15:193
 Paleocene–Eocene interval, 150X_B9:93
- Islas Orcadas Rise (Malvinas plate)
 cores, 120B(2)14:215–220
 origin, 114B1:19–20
 sediment thickness map, 114B1:16
 tectonic history, 114B1:5–22; 177A1:6
 topography, 114B1:5–6
See also Site 702
- Isle of Mull (Scotland), geology, 104B33:664, 667–669
- Isparta angle (Turkey SW)
 carbonate platforms, 160B54:741
 onshore geology, 160B54:738–741, 770–771
- Israel
 margin geology, 160B54:729
 Miocene carbonates, 160B33:432–433
- Isthmus of Panama
 Chalatenango Formation, 165A3:85
 closing, 138B1:15; 17:381; 35:748–750; 202A1:30–32; 13:8–9
 genesis, 165A4:207
 geology, 114B25:471
 isthmus emergence, 145B21:315; 165A1:9; 3:62; 165B17:267
 millennial-scale freshwater transport, 202B1:4
 ocean circulation, 165B17:253, 264, 270
 paleoceanography, 154B20:310–311; 186B4:7–9, 19–20
 pelagic sedimentation, 165A8:379–380
 volcanic provenance, 165A4:183–184
See also Panama
- Ita Mai Tai Guyot (Pacific Ocean W), foraminifer ooze, 144B41:684–686
- Italian dolomites, rift succession, 107B38:642
- Italy
 Cretaceous stratigraphy, 144B8:166
 lithostratigraphy, 107B12:185
 paleoceanography, 160A2:21–25
 sand provenance, 161B3:52
 sapropels, 160B14:187; 15:191–197; 161A1:11
See also Ancona-Anzio line; Bottaccione Gorge; Capo Rossello; Capriolo; Ischia eruption; Laga Basin; Latium-Abruzzi carbonate platform; Lipari; Ortona-Roccamorfinia line; Phlegrean fields; Piedmont-Ligurian Ocean; Pontian Islands; Pontine Island eruptive centers; Punta Piccola; Rimini; Rosella; Sabatini eruption; Stromboli Volcano; Tuscany; upper evaporite formation; Verrucano Formation; Vico eruption; Vrica section; Vulturno eruption
- Italy N. *See* Livello Bonarelli
- Italy S. *See* Le Castella section; Vrica section
- Italy SE. *See* Apulia Escarpment
- ITCZ. *See* Intertropical Convergence Zone
- Itoigawa-Shizuoka tectonic line, Japan Sea stress field, 127/128B(2)75:1185

- Ivorian Basin. *See* Deep Ivorian Basin
Ivorian margin. *See* Trou-sans-Fond Canyon
Ivory Coast
 mass accumulation rates, 159B41:569–571
 palynology, 123B21:434
 Pliocene–Pleistocene interval, 159B41:557–574
 See also Cote d'Ivoire-Ghana continental margin;
 Cote d'Ivoire-Ghana marginal ridge; Cote d'Ivo-
 ire-Ghana slope; Cote d'Ivoire-Ghana Trough
Izanagi plate. *See* Pacific-Farallon-Izanagi triple junction;
 Pacific/Izanagi plate boundary; Pacific-Izanagi
 Ridge; Pacific-Izanagi-Farallon triple junction;
 Izu; Mariana/Izu-Bonin convergent margins
Izu arc
 stratigraphy, 185A1:28–29
 See also Hachijo-jima forearc
Izu-Bonin arc
 basement isotopic composition, 127/128B(2)49:807
 clay, 190/196B4:9
 collision, 190A1:3
 plate tectonics, 131A1:6–7; 132A3:47
 pressure compensation level, 127/128B(1)8:119
 sediment contamination of mantle source, 127/
 128B(2)49:805
 sedimentation, 190/196B4:11
 strontium isotopes vs. neodymium isotopes, 127/
 128B(2)49:809
 Tertiary system faunal changes, 127/128B(1)29:493
 trench-wedge facies, 190/196B6:10–11
 volcanism, 145B23:354–355, 357
 See also Bonin arc; Izu collision zone; proto-Izu-Bonin
 arc; Shadow Mountain; Sumisu Basin N
Izu-Bonin forearc
 basement, 125A1:8; 10:199; 125B1:8; 38:624
 bathymetry, 125A7:83–84; 10:198; 125B19:347
 biostratigraphy, 125B37:616–617
 boninite volcanism, 125B11:208
 chemical interactions, 125A5:81
 deformation, 125B1:3
 diapirism, 125B36:611
 frontal arc morphology, 125B1:5; 36:597
 geological setting, 125A5:81–83; 11:253–254; 15:367;
 125B38:624, 626
 igneous geochemistry, 125B9:154–157, 162, 167
 magmatic events, 125B11:204–206
 mud volcanism, 125B20:370
 northward drift, 125B1:8
 outer-arc high, 125B1:3
 Pacific plate subduction, 125A5:81–82
 petrogenesis, 125A1:8–9
 plate rotation, 125A10:200
 potassium-argon dating, 125B11:204–206
 regional setting, 125B13:238
 seamounts, 125A5:81, 84–90; 125B19:343
 sedimentation, 125A11:253–254; 125B37:617–620
 serpentinities, 125B17:313–320; 36:612
 submarine canyons, 125A1:6
 subsidence, 125B4:77
 tectonic evolution, 125A9:199; 15:367
 terrane origin and evolution, 125A1:5; 10:199;
 125B1:3
 volcanic ash layers, 125B15:279–292
 volcanism, 125B1:6; 11:208; 20:370
 See also Aoga Shima Canyon; Aoga Shima Islands;
 Aoga Shima Rift; Chichijima; Hahajima Sea-
 mount; Nishinoshima Trough
Izu-Bonin Islands, boninite, 125A2:8; 10:199
Izu-Bonin/Mariana convergent plate margin
 geochemistry, 185B1:15–17
 serpentinite seamounts, 195B1:1–30
Izu-Bonin-Mariana region, evolution, 125A1:5; 125B1:3
Izu-Bonin outer arc high
 Eocene–Oligocene geology, 125B38:624
 lithostratigraphy, 125B38:630
Izu-Bonin Trench
 biostratigraphy, 129B11:221; 13:247–264
 Eocene–Oligocene geology, 125B38:626–627
 outer forearc ridge, 125B36:599
 resistivity, 185B12:1–18
 stratigraphy, 185A1:11–12, 28
 See also “Frankenstein” veins
Izu collision zone
 accretion, 190A1:3
 marginal basins, 180B6:21–22
 sediment source, 131B26:317
 turbidites, 190/196B3:11
Izu forearc basin, clay, 190/196B4:10
Izu-Honshu collision zone. *See* Honshu-Izu collision
 zone
Izu Islands. *See* Niijima Island
Izu-Mariana arc. *See* Umatac Formation
Izu-Mariana subduction system
 summary, 185A1:1–63
 See also Magellan Seamount; Pigafetta Basin
Izu-Ogasawara arc
 bathymetry, 125B9:146
 plate tectonics, 132A3:47
 See also Sawa seamounts; South Sumisu Basin
Izu-Ogasawara forearc, Eocene–Oligocene geology,
 125B38:626
- J**
Jamaica, volcanism, 165A3:86
Jamaica event, sediments, 170A4:127
James Ross Island (Antarctica)
 Cretaceous oxygen isotopes, 119B10:200
 palynomorphs, 188B3:17
Jan Juc transgression (Great Australian Bight), plank-
 tonic foraminifers, 182B4:10–11
Jan Mayen Fracture Zone (Norwegian Sea)
 bathymetry, 104B8:256
 evolution, 104A1:7–8
 fracture zones, 151A1:5–6
 Greenland-Norwegian margin separation, 104A4:75
 location, 104A1:5; 7:752; 104B1:6, 10; 20:398
 mid-ocean-ridge spreading axis, 151A1:6–9
 physiography, 151A1:10; 151B1:6–9; 152A1:6–7;
 162A1:6
 plate tectonics, 162A1:7
 salinity, 104B6:190
 seafloor spreading, 104B1:10

- structural features, 104B51:1034
- tholeiitic lavas, 104B19:378
- volcanism, 151B17:309–310, 327; 18:347–349
- Jan Mayen Island
 - physiography, 152A1:6–7
 - tephra, 104B18:363–365
- Jan Mayen Ridge
 - calcium/magnesium gradient, 115B34:642
 - mantle melting, 106/109B11:132
 - physiography, 151A1:10; 151B1:6–9
 - Pleistocene–Miocene volcanic ash, 104A4:82
 - reflectors, 104A7:766
 - seafloor spreading, 151B17:309–310
 - tephra, 104B17:337
- Jan Mayen Ridge–Møre transect, seismic facies, 163B1:14
- Jane Bank (Weddell Sea), geology, 114B40:740, 742
- Jane Basin
 - age-depth vs. magnetostratigraphy, 113B52:935
 - Antarctic Bottom Water, 113B45:803
 - bathymetry, 113A12:706–707
 - clay mineralogy, 113A12:710–712, 715; 113B5:62–63
 - climatic evolution, 113B8:119–120
 - consolidation summary, 113B17:214, 221–222
 - deepwater circulation, 114B8:112
 - dissolved organic carbon, 113B13:173–174
 - geochemistry, 114B10:137, 140
 - geomagnetic polarity timescale, 113A12:730, 735
 - grain size, 113B8:116–118
 - hydrocarbon gases, 113A12:738
 - kerogen, 113A12:736, 738
 - lithology, 113A12:710; 113B7:95; 8:114
 - lithostratigraphy, 113A12:708–709, 738–740
 - location, 113A12:706–707
 - magnetic properties, 113A12:726–729, 731–734
 - magnetostratigraphy, 113A12:726–727; 113B8:114–115
 - oxygen isotopes, 113B10:140, 143
 - paleoenvironment, 113A12:711–712
 - physical properties, 113A12:713–714, 716–719; 113B17:220; 18:226
 - Pliocene sea-ice cover, 113B45:803, 808
 - pore water chemistry, 113A12:730, 735–737; 113B10:140, 143; 13:175
 - Rock-Eval pyrolysis data, 113A12:736, 738–740
 - sediment age, 113B11:152
 - sedimentation rates, 113A12:727–729, 735, 740–741
 - seismic stratigraphy, 113A12:708, 716–717; 113B8:113
 - strontium isotopes, 113B11:151, 153, 156
 - thermal conductivity, 113A12:715, 719–720
 - transmission electron microscopy, 113B18:229–232, 234–237
 - vitronite reflectance, 113B15:192–194
 - volcanic ash, 113A12:708–710
 - water content, 113A12:716
- Japan
 - active late boundaries, 125B30:520
 - electrical resistivity structure, 127/128B(2)84:1351
 - extensional tectonics, 186B1:5
 - marginal basins, 180B6:21–22
 - Pliocene stratigraphy, 151B3:54
 - radiolarians, 127/128B(1)16:296
 - separation from Asia, 127/128B(1)29:531
 - silicoflagellates, 145B41:639–640
 - tectonics, 131A1:7; 191A1:5
 - vegetation, 127/128B(1)18:320; 19:325, 334
- See also* Akita Basin; Akita oil field; Akita-Yamagata oilfield basalt; Aso-4; Aso Volcano; Boso Peninsula; Cape Muroto; Chugoku Backbone range; green tuff region; Hakone; Hokkaido; Hokkaido W-Honshu N thrust belt; Honshu; Honshu arc; Inazumi Formation; Ishikari-Hidaka Basin; Kii Peninsula; Kitaura Formation; Kyushu; lower Shikoku basin facies; Meiyo-Daisan Seamount; Miura-Boso peninsulas; Miura group; Miyakejima Island; Nankai accretionary prism; Niigata Basin; Niijima Island; Nishikurosawa Formation; Nishinoshima Island; Noto Peninsula; Okinawa Trough; Onnagawa Formation; Oshima Island; Oshima Plateau; Phoenix-Japanese ridge junction; Ryuku arc; Sanriku; Sasaoka Formation; Satsuma-Iwojima dacite; Shibikawa Formation; Shichiyo seamounts; Shikinejima Island; Shikoku Basin; Shimanto belt; Shinkurose Ridge; Sugata Formation; Takachiho orogeny; Tanzawa Mountains; Tenryu drainage basin; Torishima Forearc Seamount; Wakimoto Formation
- Japan arc
 - conductivity model, 128A3:85
 - crust, 127/128B(2)83:1345; 128A3:74
 - geologic history, 128A1:16–17; 4:157
 - geology, 128A1:5
 - hydroclastic tuff, 121A15:522
 - iron enrichment, 127/128B(2)54:874
 - lead-lead plots of volcanic rocks, 127/128B(2)49:808
 - paleoposition, 127/128B(2)82:1331
 - plate tectonics, 131B26:316–318
 - rotation, 127A1:10; 127/128B(1)12:187; 57:899; 67:1054; 75:1185; 82:1315, 1317–1318; 83:1334; 128A1:9, 11–12
 - sandstone provenance, 127/128B(1)7:110
 - sediments, 190A1:1–87
 - strontium isotopes vs. neodymium isotopes, 127/128B(2)49:809
 - subcontinental lithosphere, 127/128B(2)49:811–812
 - tectonic evolution, 127/128B(2)82:1328–1329
 - volcanic ash, 127/128B(2)48:791; 128A4:122, 156–157
 - volcanic history, 127/128B(2)82:1311–1331
 - volcanic outcrops, 127/128B(2)54:874, 882
 - Yamato Basin basalt correlation, 127/128B(2)57:903
- Japan arc SW
 - schematic cross section, 131A1:8
 - tectonics, 131A1:5–7
- Japan arc-trench system, tectonic setting, 131A1:6; 131B16:198
- Japan Basin
 - age, 127A(1)1:6, 29; 127/128B(1)11:179; 16:295; 19:328; 28:471, 480, 484; (2)50:830–831; 58:906; 128A1:7
 - basement, 127A1:6, 29; 127/128B(2)58:906

- biostratigraphy, 127/128B(1)11:176, 178; 12:208;
15:276–281, 286; 29:500–506, 517–521; 30:541–
543; (2)77:1223
- blue tuff, 127/128B(1)8:127–128
- crustal structure, 127A1:9; 4:79; 5:176; 127/
128B(2)58:924; 69:1075, 1083, 1086, 1104;
70:1107; 81:1304–1305; 82:1311–1314, 1318–
1319; 83:1341–1346; 128A1:9–11; 3:71–72, 74
- earthquakes, 128A3:74
- free-air gravity anomalies, 128A3:74
- geology, 128A3:70
- heat flow, 127A1:27; 127/128B(2)81:1302; 83:1345;
128A3:71–74; 14:246
- Layer 1, 128A3:71–72
- Layer 2, 127/128B(2)83:1342; 128A3:71–72
- Layer 3, 127/128B(2)83:1342–1343; 128A3:71–72
- lithospheric stretching models, 127/128B(2)81:1304–
1305, 1307
- lithostratigraphy, 127/128B(1)29:496–497
- magnetic anomalies, 127A1:6, 10; 127/
128B(2)59:942; 82:1314; 83:1345; 128A1:7
- magnetic properties, 127/128B(2)59:941–942
- magnetostratigraphy, 127A1:22; 127/128B(2)62:970–
972; 77:1223
- oceanic crust, 127A4:73
- oceanographic setting, 127/128B(1)20:342
- opal-A/opal-CT transition, 127/128B(1)3:50
- opal-CT/quartz transition, 127/128B(1)3:50
- oxygenation, 127/128B(1)12:201–208
- paleodepth, 127/128B(1)12:201; (2)77:1220–1221
- seafloor spreading, 127/128B(2)83:1345–1346
- sedimentation rates, 127/128B(1)15:288; (2)77:1227
- subsidence, 127A1:20; 127/128B(1)12:209;
(2)76:1208–1211, 1214
- surface water temperature, 127/128B(1)12:209
- tectonic history, 127/128B(2)82:1317
- volcanic ash layer areal distribution, 127/
128B(2)48:791
- Yamato Basin, 127/128B(1)12:189; (2)83:1337
- Japan Basin E
- convergence initiation, 127A6:258
- crustal structure, 127A6:251–252
- dredge samples, 127A6:253
- earthquakes, 127A6:255
- free-air gravity anomalies, 127A6:253, 255–256
- heat flow, 127A6:252–253
- magnetic anomalies, 127A6:252–254
- oceanographic history, 127A6:259
- sedimentation, 127A6:259
- stress field, 127A6:258
- tectonic setting, 127A6:254–255, 257
- thrust faults, 127A6:255
- Japan Basin N
- age, 127A5:169, 176
- backarc rifting, 127A5:238
- basement, 127A5:169
- bathymetry, 127A5:174–176
- crustal structure, 127A5:176
- depositional history, 127A5:190–192
- dredge samples, 127A5:176–178
- free-air gravity anomalies, 127A5:176, 179
- geologic history, 127A5:169
- heat flow, 127A5:174, 176–177
- Layer 1, 127A5:176
- Layer 2, 127A5:176
- Layer 3, 127A5:176
- magnetic anomalies, 127A5:176, 178
- oxic conditions, 127A5:199
- paleoenvironment, 127A5:199
- rifting history, 127A5:179
- sedimentation, 127A5:179, 181, 238
- seismic stratigraphy, 127A5:179, 233–234
- tectonic setting, 127A5:178–180
- upwelling, 127A5:199
- Japan forearc
- fluid geochemistry, 186B14:1–23
- tephrochronology, 186B9:1–29
- Japan forearc SW, geologic map, 190A1:43
- Japan N
- alkenones, 186B13:1–12
- biostratigraphy, 186B6:1–19
- Japan NE
- paleoceanography, 186B3:1–21
- See also* Tsugaru Strait
- Japan Sea
- age, 127A1:29; 127/128B(1)16:297; 19:327; 21:362;
(2)76:1208; 83:1335–1336
- backarc rifting, 127A1:16; 127/128B(2)57:903
- bacteria, 127/128B(1)45:755–776
- basaltic submarine volcanism, 127/128B(2)54:874
- basement, 127A1:22, 24–25; 127/128B(1)44:749;
(2)79:1265–1266; 81:1303–1304; 128A1:6–7
- basin subsidence and volcanic activity, 127/
128B(2)48:796–797
- bathymetry, 127A1:6; 127/128B(2)76:1199, 1209–
1210; 80:1276; 128A1:6, 10
- benthic environments, 127/128B(1)22:379
- biosiliceous productivity, 127/128B(1)17:313
- biostratigraphy, 127A1:19; 127/128B(1)12:187;
17:309; 19:328–336; 21:363; 23:395; 28:471–
478; 29:506; (2)77:1219; 151B3:54–55
- carbonate chemistry, 127/128B(2)79:1263–1265
- carbonate compensation depth, 127/128B(1)10:155,
168; 12:208; 26:440; 76:1201
- climate, 127/128B(1)18:320
- continental crust, 127/128B(2)49:809
- continental fragments, 128A1:5, 10–11
- crustal structure, 127/128B(2)69:1075, 1083, 1104;
70:1107; 82:1311–1314; 83:1333, 1341–1346;
128A1:6–7, 9–11
- current systems, 127/128B(1)13:228
- deposition, 127/128B(2)79:1261; 128A1:15–18
- development, 127/128B(1)29:536
- dissolved oxygen, 128A1:20
- downhole seismic experiment, 127/128B(2)68:1061–
1073; 75:1157–1171
- earthquakes, 128A3:76
- eolian dust, 127/128B(1)23:394
- formation, 127A1:5, 9–10; 127/128B(2)50:819–836;
75:1183–1187; 77:1220, 1228; 128A1:11–13
- gateways, 127/128B(1)21:362–363
- geochemistry, 127A1:22–23

- geographic setting, 127/128B(1)22:365–366
geologic history, 128A1:16–17
geologic setting, 127/128B(1)37:651; 39:677
helium isotopes, 127/128B(1)44:748–749
inorganic geochemistry, 127/128B(2)79:1261–1274
lithofacies, 127/128B(1)36:635
lithosphere thickness, 127A6:255
lithostratigraphy, 127A1:17–19; 127/128B(1)39:679;
(2)78:1229–1233; 80:1275; 82:1315–1316;
128A1:13–15
magma, 127/128B(2)47:787–788; 83:1340–1341
magnetic anomalies, 127A1:11; 127/128B(2)83:1334
magnetostratigraphy, 127/128B(2)62:969–982;
77:1219
mantle anisotropic velocity model, 127/
128B(2)69:1075
neodymium/strontium isotopes, 127/128B(2)57:899–
904
ocean floors, 190A1:3
oceanographic front, 127/128B(1)10:155–169
onshore exposures, 128A1:15–18
opal-A/opal-CT transition, 121B27:522; 127A1:31;
127/128B(1)3:49; 20:341; (2)73:1145–1156
opal-CT/quartz transition, 127A1:31; 127/
128B(1)3:49
opening, 127/128B(1)11:171, 179; 29:529–531
organic matter, 127A1:31; 127/128B(2)79:1262–1263
origin, 127/128B(1)15:249
oxygenation, 127/128B(1)12:216; 20:342–343;
25:423, 430; 39:679; 41:713–715; (2)77:1221
paleoceanography, 127A1:16, 19–22, 24, 30–31; 127/
128B(1)10:166–167; 11:179–180; 15:298–300;
19:342–343; 23:394–395; 24:419–421; 25:423;
26:440; 27:457–458; 29:526, 528–529; 31:559–
560; 33:577; 34:605; 37:651; 39:678–679;
41:705; 128A1:20–22
paleoclimatology, 127/128B(1)23:403; 27:459
paleodepth, 127/128B(2)77:1228
paleoenvironment, 127/128B(1)12:187; 27:493
paleogeography, 128A1:22
paleomagnetism, 127A1:22
paleotemperature fluctuations, 127/128B(1)27:457–
470
phosphorus, 127/128B(1)5:68–71
physical properties, 127A1:25–27; 127/
128B(2)71:1123–1133; 80:1275–1296; 81:1297–
1298, 1301–1303; 87:1375; 128A1:14
phytoplankton pigment concentration, 127/
128B(1)10:167
plate reconstructions, 127/128B(2)82:1321–1324
pre-Ocean Drilling Program data, 127/
128B(2)83:1333
productivity, 127A1:20; 127/128B(1)10:167; 25:430;
37:651
radiometric ages, 127/128B(2)83:1336
rifting, 127A1:16; 127/128B(2)56:891, 899; 83:1334
sea ice formation, 127A1:20–22; 127/128B(1)10:167
sediment composition, 127/128B(2)78:1233–1249
sediment isopachs, 127A1:13; 128A1:12
sediment structures, 128A1:13–15
sedimentation, 127A1:10–16, 22, 24, 30–31; 127/
128B(1)36:635; (2)85:1361
seismic stratigraphy, 127A1:14, 28–29
silica, 127/128B(1)26:447; (2)79:1263
sill depths, 127/128B(1)16:299–300
sites drilled, 127/128B(1)11:172; 13:226; 14:238;
15:250; 18:318; 19:326–327; 28:479; 29:494;
30:543
slumping, 128A1:14
stress field, 127A1:17
structure, 127A1:6; 127/128B(2)47:780; 48:792;
75:1175–1193
submarine volcanism, 127A4:95
subsidence, 127A1:16, 19–20; 127/128B(2)76:1197–
1218; 83:1343–1344
surface currents, 128A1:21
surface water temperatures, 127/128B(1)12:201;
27:463–465
tectonic setting, 127A1:5–10; 127/128B(1)16:300;
29:526; (2)57:903; 75:1183–1187; 82:1311–
1331; 83:1343–1347; 128A1:9
temperature distribution, 128A1:20
tephra markers, 127/128B(2)48:796; 128A5:291–292
thermal conductivity, 127/128B(2)81:1301–1303
thermal gradient, 127A1:26–27; 127/128B(2)81:1301–
1303; 87:1375
thermal history, 127/128B(1)3:49–56; (2)81:1297–
1309
thermocline, 127/128B(1)10:167
thrust faults, 127A4:81–82
volcanic activity, 127/128B(2)48:796–797; 50:829–
832; 82:1319, 1324
Wadati-Benioff Zone, 127/128B(2)68:1062; 74:1158
water circulation, 127/128B(1)5:69–71; 23:394;
25:423–424; 128A1:21
well-logging, 127A1:27–28
See also Aikawa section; Aira-Tn; Dolgorae-1 well; Fu-
nakawa Formation; Hidaka shear zone; Itoi-
gawa-Shizuoka tectonic line; Kita-Okai Bank;
Kita-Yamato Bank; Kita-Yamato Trough; Oga
Peninsula; Ohmachi Seamount; Oki Islands; Oki
Ridge; Oki Ridge Basin; Oki Trough; Okushiri Is-
land; Okushiri Ridge; Mamiya Strait; maritime
province; Sado Island; Shiribeshi Basin; Soya
Strait; Suttu Canyon; Tartar Strait; Tohoku arc;
Tsugaru Strait; Tsushima Basin; Tym-Poronaik
fault; Yamato Bank; Yangsan fault
Japan Sea Bottom Water, isotope ratios, 127/
128B(1)44:748
Japan Sea E
bathymetry, 127A1:12
compression, 127A1:16–17; 6:268; 128A1:9
convergence initiation, 127A6:314
crustal structure, 128A1:9–11
deformation, 127/128B(2)82:1314–1315
earthquakes, 127A1:9; 128A1:11
free-air gravity anomalies, 128A5:252
magnetic anomalies, 128A5:251
plate reconstruction, 127/128B(2)82:1314–1315
rift propagation, 127/128B(2)83:1346
stress field, 127/128B(2)67:1059

- strike-slip shear, 127/128B(2)82:1314–1315
- tectonic history, 127/128B(2)82:1316–1317
- tectonic maps, 127A4:83
- thrust faults, 127A1:9
- Japan Sea N
 - heat flow, 127A5:231–232
 - stress field, 127A5:180–181
- Japan Sea plate, electrical resistivity structure, 127/128B(2)84:1351
- Japan Sea Proper Water (JSPW)
 - benthic foraminifers, 127/128B(1)22:365–366
 - oceanography, 127/128B(1)33:577
 - See also* second spring layer
- Japan SW
 - geologic maps, 190/196B3:19
 - igneous activity, 190A1:3
 - subduction, 190/196B3:3–4
 - See also* Setouchi volcanic belt
- Japan Trench
 - alkenones, 186B13:1–12
 - basement age, 127/128B(1)44:749
 - biostratigraphy, 112A6:94; 112B7:106; 186B4:1–31; 5:1–15; 7:1–23
 - carbon isotopes, 127/128B(1)6:88
 - crustal structure, 128A3:74
 - deep oceans, 186A1:1–37
 - diagenetic carbonates, 127/128B(1)6:75
 - geology, 105A4:131; 105B41:793; 127A1:6; 128A1:9
 - helium isotopes, 127/128B(1)44:748–749
 - helium/neon ratio, 127/128B(1)44:748
 - maps, 186A4:69
 - organic matter, 186B11:1–17
 - pore water oxygen isotopes, 127/128B(1)40:698
 - pyrolysis gas chromatography mass spectrometry, 112B38:573
 - rare earths, 127/128B(1)42:719
 - rock magnetism, 186B16:1–21
 - tephrostratigraphy, 186B10:1–22
 - vein structures, 112B1:6, 8
 - See also* Fukushima Basin; Hokkaido; Honshu; Honshu-Izu collision zone; Kitakami Basin; Shikotsu Daiichi tephra; Spfa-1 tephra; To-H tephra; Tohoku; Towada Caldera
- Japanese-Hawaiian magnetic lineation junction, Shatsky Rise, 129B32:574
- Jasper Seamount (Pacific Ocean)
 - abyssal-gabbro xenolith mineralogy, 118B4:91, 93
 - tectonics, 144B31:543
- Jaulu volcanics (Solomon Sea W), lithology, 193A1:4
- Jeanne d'Arc Basin (Grand Banks/Newfoundland-Iberia rift)
 - Jurassic sedimentation rates, 103B44:794
 - rifting phases, 210B1:6, 11
 - seismic sequence 1–6, 103B44:791–796
 - stratigraphy, 103B44:790–791, 795
 - structure, 103B44:788–790
- Jemmys Point Formation (Great Australian Bight), transgressions, 182B3:18
- Jerboa-1 well (Great Australian Bight)
 - biostratigraphic datums, 182B4:23
 - fault blocks, 182A1:5
- Joese River Formation (Barbados), stratigraphy, 110A1:8
- Joey Rise (Indian Ocean E)
 - formation, 123B4:104
 - marine magnetic anomalies, 123B36:666
 - volcanic pile, 123B31:578
- Juan de Fuca Canyon (Pacific Ocean NE), sedimentation rates, 168B5:52
- Juan de Fuca Channel
 - dispersal regional patterns, 168B5:62
 - sedimentation rates, 168B5:52
- Juan de Fuca plate
 - geology, 204A1:4; 204B1:3–5
 - motion, 146B(1)2:42
 - subduction, 146A(1)1:5–7; 146B(1)15:264
 - tectonics, 139A2:11
- Juan de Fuca Ridge
 - basalt emplacement, 127/128B(2)83:1337
 - crustal accretion, 111B12:144
 - diagenesis, 139B16:341–349
 - drilling sites, 139A1:5–7; 146A(1)4:51
 - fluid flow, 139B25:475
 - fluid inclusions, 139B21:411–428
 - geochemistry, 139B49:749–755
 - geotechnical properties, 139B40:627–647
 - hydrothermal alteration, 139B5:155; 12:289, 291; 15:305, 307–312
 - hydrothermal fields, 106/109B12:149–150
 - hydrothermal fluids, 139B21:395–410
 - igneous rocks, 139B6:79–102
 - pore water, 139B22:429–437
 - magnetic surveys, 139B3:29–35
 - magnetization, 139B2:17–29
 - massive sulfides, 139B17:353–385; 45:721–724
 - mineralogy, 139B8:113–131
 - nodules, 139B14:313–339
 - paleotemperature, 139B35:565–570
 - petrology, 139A6:237–238
 - Quaternary, 139B5:59–76
 - rock magnetism, 139B30:527–542
 - schematic map, 139B44:697
 - sedimentary structures, 139B7:105–111
 - sediments, 139B9:133–154
 - seismic structure, 139B1:3–17
 - seismic velocity, 139B38:597–612
 - site description, 139A5:101–160
 - sulfides, 139B19:387–392
 - tectonics, 139A2:9–41
 - thermal conductivity, 139B33:553–564
 - thermal evolution, 139B28:495–508
 - thermal properties, 158B24:329–335
 - well-logging, 139B37:585–596
 - xenoliths in ferrobasalt, 118B1:4
 - See also* buried basement transect; Dead Dog mound; Endeavour Ridge; Inspired mound; Heck seamount chain; Middle Valley; rough basement transect; Sovanco Fracture Zone; Straight of Juan de Fuca
- Juan de Fuca Ridge central. *See* Chowder Hill
- Juan de Fuca Ridge E
 - alteration, 168B10:119–165
 - bacteria, 168B13:161–165

biochronology, 168B4:39–49
 geochemistry, 168B7:87–103; 9:105–115
 hydrothermal circulation, 168A1:7–21; 168B1:3–4
 microorganisms, 168B14:167–174
 pillow basalts, 168B10:119–136
 seismic profiles, 168B2:9–19
 turbidites, 168B5:51–65
 Juan de Fuca Ridge N. *See* Heineken Hollow
 Juan de Fuca Strait
 hydrothermal circulation, 168A1:7–10
 oceanography, 169S_A2:15–16
 Juan Fernandez Ridge (Chile margin), sedimentation, 141B31:394
 Jubrique group (Spain), lithostratigraphy, 161B23:308–312
 Jubrique unit
 lithostratigraphy, 161B23:308–312
 metamorphic rocks, 161A6:230
 Julian Haab Fracture Zone (Kane Basin), geology, 105A5:429
 JV Armaan well (Caspian Sea), triterpanes, 172B1:5–6

K

Kafr El Sheik Formation (Egypt), sediments, 160B38:496
 Kaga metamorphics (Antarctica), lithologic units, 180A10:12
 Kaikoura Canyon (New Zealand E), marine sedimentation, 181A1:8
 Kaikoura synthem, Cretaceous–Cenozoic tectonosedimentary cycle, 181B1:19, 38–40
 Kakkaristra Formation (Cyprus), lithofacies, 160B43:553
 Kalagrai-Ardana unit (Cyprus), lithofacies, 160B54:772
 Kalahari region (Africa), Quaternary rainfall increase, 121B9:221
 Kali Gandaki Graben, Himalayan tectonism, 121B20:426; 39:827
 Kamchatka Current, sedimentation, 145A6:275
 Kamchatka Peninsula
 dropstone provenance, 145B34:502
 tectonics, 145B12:200
 volcanism, 145B23:345–381
 See also Klyuchevskoy lava; Kumroch Range; Kuril Basin; Kuril-Kamchatka arc; Kuril Trench; Kuriles
 Kamchatka volcanic province, Pliocene and Quaternary activity, 145B38:592
 Kamchatkan arc
 sediment recycling in arcs, 145B24:383–388
 See also Kuril-Kamchatka arc
 Kane Basin (Atlantic Ocean N)
 garnets, 105A3:44
 See also Julian Haab Fracture Zone
 Kane Fracture Zone, basalts, 158B8:106
 Kane Fracture Zone (Site 669)
 alteration, 106/109A6:167–170
 basalts, 111B5:53
 bathymetry, 106/109A6:165
 detachment faults, 118B26:441
 gabbros, 118B21:361
 geometry, 118B21:366
 greenschist facies alteration, 118B26:489

hooked ridge pillow lava flows, 118B21:376
 Koenigsberger ratio, 118A6:153
 lithostratigraphy, 106/109A6:164
 location, 106/109A2:18; 6:163
 magnetic susceptibility, 118A6:209
 neovolcanic zones, 118B21:376
 normal faulting, 118B24:428; 26:501
 petrography, 106/109A6:164–167
 physical properties, 106/109A6:171; 118A4:74; 6:190; 10:225
 seismic stratigraphy, 118B9:219
 seismic structure, 118A6:183, 185
 talus ramps, 118B25:431
 thermal conductivity, 106/109A6:171
 trace elements, 106/109A6:166–167
 transform displacement zone, 106/109A6:164
 transform valley, 118B21:394
 transform walls, 118B21:376–377, 392
 whole-rock analyses, 106/109A6:167
See also MARK area
 Kane Gap (Atlantic Ocean E)
 bottom water circulation, 108A5:328
 current-controlled hiatus, 108B17:308
 deepwater exchange, 108B17:297
 Site 660, 108A5:327
 Site 661, 108A6:409–410
 Kane transform fault
 diopside, 153B13:277–284
 drilling, 153A1:5
 fluid evolution, 153B22:399–415
 gabbroic rocks, 153B5:77–98; 28:491–504
 geochemistry, 153B10:181–241
 geology, 153A1:8–13
 seismic velocities, 153B25:437–454
 site description, 153A3:45–119; 4:121–177
 ultramafic rocks, 153B26:457–470
 See also MARK area; Mid-Atlantic Ridge
 Kangaroo syncline (Exmouth Plateau)
 formation, 123A4:67
 stratigraphic modeling, 123B37:702–710
 tectonic subsidence, 123B37:685, 694
 Kangerlussuaq Basin (Greenland E)
 prerifting sediments, 152B41:520–521
 volcanism, 163B6:59–60
 Kannaviou Formation (Cyprus), basement, 160B54:734, 769–770
 Kantara limestone (Cyprus), tectonics, 160B54:749, 766
 Kao (Tonga), geochemistry, 135B24:392
 Kap København Formation transgression, foraminifers, 151B10:191
 Kap København (Greenland), Quaternary ice-free environment, 104B9:268
 Karadere unit (Turkey N), tectonics, 160B54:749, 763–764, 766, 772
 Karaginsky Island (Bering Sea)
 paleoclimatology, 145B3:49
 Pliocene, 145B12:201
 tectonics, 145B12:200
 Karakorum batholith
 magnetic susceptibility breaks, 121B39:826
 tectonic activity dating, 121B39:826

- Karakorum-Jiali Fault Zone, deformation, Himalayan arc bending, 121B39:827
- Karatas Formation (Turkey), tectonics, 160B54:757, 759
- Karoo basalts, hotspot activity, 115B1:7
- Katla Caldera (Iceland S), tephra, 152B5:64
- Kauai S. *See* South Kauai slide
- Kawakawa Tephra (Pacific Ocean SW)
magnetostratigraphy, 181A6:23
stratigraphy, 181A7:13
- Kawio Islands (Indonesia), isotopic age, 124B23:321
- Kazakhstan
hydrocarbons, 172B1:7–8
triterpanes, 172B1:5–6
- Kazusa group (Nankai accretionary prism), clay, 190/196B4:10
- Keban platform (Turkey), tectonics, 160B54:761, 770
- Kellogg shale (California N), Eocene foraminifers assemblage, 108A5:339
- Kenya. *See* Lake Turkana
- Kerguelen-Broken Ridge Plateau
constructional volcanism, 121B45:933–934, 943
Eocene split tectonic history, 121B45:933–934
oceanic circulation and biogenic productivity, 121B45:940
spreading center northward migration, 121B38:768–769
- Kerguelen Fracture Zone, tectonics, 121B38:765
- Kerguelen-Heard Plateau
constructional volcanism, 121A13:499; 121B30:559
crustal structure, 119A1:7
debris flows, 121B37:747
geographic setting, 119A1:5
geological evolution, 119A1:8; 5:124
glaciation, 119A5:131
hotspots, 121B26:507
Ninetyeast Ridge formation, 121B32:639
paleogeographic reconstruction, 121A1:8; 121B26:516
rifting from Broken Ridge, 119A6:218
subsidence and productivity, 121B37:747
tectonic history, 121A1:5
See also Kerguelen Plateau Raggatt Basin
- Kerguelen-Heard Plateau N
bathymetry, 119A1:5; 3:45
biology and oceanography, 119A2:35–37; 5:140, 142–144; 6:191, 193–194
glaciation, 119B48:882–888
paleoceanography, 119A5:124
paleoclimatology, 119A5:156
petrography, 119B17:325
regional geology, 119A5:124
seismic stratigraphy and system geometry, 119A5:106
volcanic ash geochemistry, 119B17:326–333
See also Williams Ridge
- Kerguelen-Heard Plateau N (Site 736)
biostratigraphy, 119A5:131–135, 156; 119B26:469; 28:514–518; 29:557–558; 31:615–616; 46:836–837; 51:933–934
depositional environment, 119A5:130–131
drilling deformation, 119A2:15; 5:128–129
Eocene–Miocene unconformity, 119A5:124
fining-upward sequence, 119A5:130
geophysics, 119A5:124–125
inorganic geochemistry, 119A2:35; 5:137–140
lithology, 119A5:123, 129–130, 156; 119B46:828
lithostratigraphy, 119B17:327; 18:353
living bacteria density changes, 119B27:687–689
location, 119A5:123–124; 119B8:144; 9:169; 16:300; 17:324; 18:350; 19:376; 43:751; 46:814; 48:871
magnetic properties, 119A2:33–34; 3:45; 5:135–137
magnetobiochronology, 119B46:825–828
navigation, 119A3:45, 47–85, 87
organic geochemistry, 119A2:34–35; 5:140
physical properties, 119A2:37–39; 5:144–153
pore water chemistry, 119B18:353–357
sedimentary structures, 119A2:20
sedimentation rates, 119A5:137
seismic stratigraphy, 119A3:45, 90; 5:153–156
summary, 119A5:129
zonation, 119A2:24, 26–33
- Kerguelen-Heard Plateau N (Site 737)
biostratigraphy, 119A6:173–181, 218; 119B26:470–471; 29:558–559; 46:841
calcareous sequences, 119B14:272, 274–277
calcareous–siliceous transition, 119B18:357
depositional environment, 119A6:173–174
drilling deformation, 119A2:15; 6:165
Eocene hiatus, 119A6:173
evolution, 119B11:217–219
geophysics, 119A6:160–162; 119B14:265, 275
inorganic geochemistry, 119A2:35; 6:185–188
lithology, 119A6:165–168, 170–171, 173; 119B11:212–213; 14:264, 266; 46:829, 835–836
lithoporosity combination, 119A2:39–40; 6:208
lithostratigraphy, 119A6:159, 172, 217–218; 119B14:275–277; 17:327
location, 119A6:159; 119B8:144; 9:169; 11:212; 14:264; 15:300; 17:324; 18:350; 19:376; 46:814; 48:871
magnetic properties, 119A2:33–34; 3:45; 6:181–182
magnetobiochronology, 119B46:828–836
magnetostratigraphy, 119B43:754–757
mineralogy, 119B11:214–215
nannofossil ooze–chalk–limestone transition, 119B18:357; 48:888
navigation, 119A3:45, 47–85, 87–88
Neogene, 119B46:839, 842
Oligocene–Miocene hiatus, 119A6:162, 169; 119B48:833
organic geochemistry, 119A2:34–35; 6:188–191
Paleogene, 119B46:840
physical properties, 119A2:37–39; 6:194–203, 205–206
pore water chemistry, 119B18:357–363
sedimentary structures, 119A2:20
sedimentation rates, 119A6:183, 185
seismic stratigraphy, 119A2:39; 3:45, 91–92; 6:208, 214
summary, 119A6:165, 221–227; 119B18:359
synthetic seismograms, 119A2:40–41; 6:212–215
trace fossils, 119B333:639

- well-logging, 119A6:205, 207, 210; 119B14:264, 275–277, 285
- zonation, 119A2:24, 26–33
- Kerguelen-Heard Plateau S (Site 738)
- basalt alteration, 119B16:307, 313–315
- bathymetry, 119A1:5; 3:45
- biology and oceanography, 119A2:35–37; 7:257, 260–261, 279
- biostratigraphy, 119A7:244–252, 279; 119B24:428–435; 25:452, 460; 26:472–474; 28:518, 527–529; 31:613–615; 32:631–633; 46:831–833; 47:856–859
- calcarceous sequences, 119B14:277–279, 288; 46:822
- Circumpolar Deep Water, 119B10:201
- clay mineralogy, 119B10:194
- conductivity-temperature-depth profile, 119A4:109
- Cretaceous/Tertiary boundary, 119B47:849, 851–854
- Danian, 119B27:495–505
- depositional environment, 119A7:238, 240
- drilling deformation, 119A2:15
- element stratigraphy at Cretaceous/Tertiary boundary, 119B39:719–726
- environmental implications, 119B10:194–200
- Eocene–Miocene, 119B38:708–710
- Eocene–Oligocene, 119B38:710–712
- evolution, 119B11:217–219
- geochemistry, 119B15:294; 16:301–312
- geological evolution, 119A7:229–230, 280
- geophysics, 119A7:230–232; 119B14:267, 277
- inorganic geochemistry, 119A2:35; 13:254–257
- iridium at Cretaceous/Tertiary boundary, 119B39:726–729; 47:854–856
- isotopes, 119B15:294–295
- lithology, 119A7:235, 237–243, 279; 119B6:213–214, 216; 10:187; 11:216; 14:264, 268; 16:300; 46:822, 838, 843
- lithoporosity combination, 119A2:39–40; 7:268
- lithostratigraphy, 119A7:229, 234–244; 119B14:277–279; 16:307; 47:849
- location, 119A2:7; 7:230; 119B8:144; 9:169; 11:212; 14:264; 15:293; 16:300; 17:324; 18:350; 19:376; 38:693–694, 714; 43:751; 46:814; 48:871
- Maastrichtian–Eocene, 119A7:244; 119B46:835
- magnetic properties, 119A2:33–34; 3:45; 7:243, 246, 252–253
- magnetobiochronology, 119B46:822–825
- magnetostratigraphy, 119B43:757–759
- mineralogy, 119B11:215–217; 15:293–294
- Miocene–Pliocene, 119A7:243
- navigation, 119A3:45, 47–85, 87
- Neogene glaciation, 119B48:885–888
- nonbiogenic sediment, 119B10:190–193
- Oligocene–Holocene, 119B10:201–202
- Oligocene–Miocene, 119A7:243–244; 119B10:202
- organic geochemistry, 119A2:34–35; 13:257
- paleoceanography, 119A7:229–230, 279; 119B38:712–714
- Paleocene–Eocene, 119B38:697–708
- Paleogene glaciation, 119B48:882–885
- paleolatitude, 119B43:759
- petrogenesis, 119B16:315–319
- petrography, 119B16:300–301
- physical properties, 119A2:37–39; 7:261–269, 272
- pore water chemistry, 119B18:364–367
- preglacial conditions, 119B10:200–201
- sediment composition, 119B10:188, 204
- sedimentary structures, 119A2:20
- sedimentation rates, 119A7:253–254
- sedimentology, 119A7:234–244
- seismic stratigraphy, 119A2:39; 3:45, 93; 7:270, 276–279
- stable isotopes, 119B47:859
- summary, 119A7:237, 283–288
- synthetic seismograms, 119A2:40–41; 7:273–276
- trace fossils, 119B34:637–639
- Turonian–Maastrichtian, 119B46:825
- well-logging, 119A7:270–272, 280; 119B14:264–265, 277–279, 285
- zonation, 119A2:24, 26–33
- Kerguelen-Heard plume, migration, 121A15:534–535
- Kerguelen hotspot
- Cretaceous location, 121B16:371
- origin, 121B26:514, 516
- predicted path, 121B26:516
- ridge formation, 121B26:516
- Kerguelen Island
- basalts, 120B(1)2:42; 121B31:598–599; 32:644
- Dupal isotopic signature, 121B31:599
- flood basalt volcanism, 115B1:7, 9
- geometry, 115A1:8–9
- hotspot activity, 115A1:5; 115B1:3
- lava, 121B32:638–639, 645
- magmatic activity, 121B31:603
- mantle plume and Rajmahal Traps, 115B5:54
- neodymium, 120B(1)3:59–60
- petrology, 119B17:325
- spreading ridge migration, 121B31:599
- strontium, 120B(1)3:59–60
- volcanic ash layers, 120B(1)10:146; 11:153
- volcanism, 120B(2)51:941; 121B32:640–642, 644–645
- Kerguelen-Ninetyeast hotspot
- kinematic models, 121B38:770–773
- migration, 121B38:769–773, 776
- present-day location, 121B38:770–773
- tectonics, 120A5:82
- Kerguelen Plateau
- age, 120B(1)5:73
- alteration, 183B15:1–40
- arching and Campanian–Maastrichtian unconformity, 119A7:280
- basalts, 120B(1)1:19–22; 3:59–61
- basement, 120B(1)1:21–22
- bathymetry, 119A1:6; 119B18:349; 120A5:73; 120B(1)1:13
- biostratigraphy, 120B(1)1:21; 121B44:921, 924, 927; 183B4:1–59
- carbonates, 120B(1)1:8
- crustal structure, 120B(1)1:9; 2:34–35
- debris flows, 120B(1)1:20–21
- deformation, 121B32:644
- denudation, 120B(2)52:949
- deposition, 120B(1)8:105–107; (2)48:903

diatom ooze, 121B44:938
drill sites, 120B(1)2:35; 183B1:37
emplacement, 120B(2)50:921; 52:947
environment, 120B(2)52:948–949
Eocene–Miocene hiatus, 119A1:7
evolution, 120A5:82–84; 120B(1)1:7, 12
flooding, 120B(1)19:290
free-air gravity maps, 179A5:19
geochemistry, 120B(1)2:38–41
geographic setting, 119A1:5
geological setting, 119A1:7; 119B18:353;
120B(1)2:34–35; 18:273–274
glauconite, 121A13:465; 121B44:938
hotspot origin, 121B26:514
igneous provinces, 183A1:1–101; 183B1:1–48
isolation, 120B(1)14:207
lead isotopes, 120B(1)2:39; 121B31:599
limestone, 121B44:938
lithostratigraphy, 120B(1)1:8, 10, 19; 121A13:463–
464; 121B44:938
location, 120B(1)1:5
Maastrichtian uplift, 121A13:467
mafic lava flows, 183B14:1–28
magnetic properties, 119A1:5; 120B(1)2:35; 5:71
magnetobiochronology, 119B46:817–836
morphotectonic maps, 120B(1)1:16; 10:136
nannofossil ooze, 121B44:938
neodymium isotopes, 120B(1)2:39; 121B31:599
Neogene unconformity, 119A1:7
oceanic plateaus, 130B1:14, 19
oceanographic setting, 120B(2)36:650
Oligocene ice-rafted debris, 113B53:953; 119B6:78
Oligocene–Neogene hiatuses, 119B6:120
origin, 120B(1)2:33–34, 44–45; 3:55; 5:71;
121A13:465, 470
paleogeography, 183B4:26
paleolatitude, 120B(1)1:9
paleoposition, 121B44:931
plateau-building stage, 120B(1)10:135
reflectors, 120B(1)1:22
Santonian–Turonian chalk, 121B44:938
seafloor spreading, 120B(1)1:9; (2)50:921; 51:933
sediment transport, redistribution, and deposition,
121A13:465
sedimentation rates, 120B(1)1:11
sediments, 120B(2)52:945
seismic reflection profiling, 120B(1)1:14
separation from Broken Ridge, 120B(1)9:129;
(2)51:931; 121A1:5
sites drilled, 120B(1)1:14; 5:72; 11:152; 13:180;
14:208; 19:282; 22:372; 23:394; (2)27:495;
28:510; 38:684; 40:758; 41:786; 42:812; 44:840;
45:856; 52:946; 53:952; 54:962; 57:1032;
58:1054; 60:1067
stratigraphy, 120B(1)4:64
strontium isotopes, 120B(1)2:39; 121B44:921–924
structure, 120B(1)1:12; 8:100
subsidence, 120B(2)52:945–949; 183B1:16–18
taxa, 120B(2)29:525–526
tectonic history, 119A1:5
terrestrial material, 120B(1)19:290–292

tholeiitic basalts, 121A15:526
volcanic glass, 120B(1)11:153
volcanism, 120B(1)11:151
water depth, 120B(1)1:9
wood, 120B(1)18:275
zeolites, 120B(1)10:139
See also Broken Ridge; Crozet Basin; Elan Bank; Elta-
nin core E54-7; Enderby Basin; Foch Island;
Heard Island; Labuan Basin; Leclaire Rise; Mc-
Donald Island; Northeast Georgia Rise; Skiff
Bank
Kerguelen Plateau central
basement, 183A1:4; 183B1:10–11
geology, 120B(2)47:881–888
See also Dakota Formation; Damodar Valley; Darjee-
ling; Dauki lineament; Diamantina Zone
Kerguelen Plateau N, basement, 183A1:4; 183B1:13–14
Kerguelen Plateau–Prydz Bay region. *See* Chelnok glacia-
tion
Kerguelen Plateau S (Site 744)
basement, 183A1:4; 183B1:8–9
bathymetry, 119A1:5; 3:45
biogenic vs. nonbiogenic components, 119A13:482
biology and oceanography, 119A2:35–37; 13:493–495
biostratigraphy, 119A13:484–488; 119B24:435–437;
26:474–476; 28:519; 29:559–573; 31:614–615;
46:824–828; 51:933–934
calcareous–biosiliceous transition, 119B46:820
clay mineralogy, 119B10:194
coarse fraction source, 119A13:484
consolidation, 119B8:151–152
crustal structure, 119A1:7
depositional environment, 119A13:477, 484
diatom–nannofossil ooze transition, 119B18:367;
48:888
digital magnetic tape parameters, 119A3:106
drifting sediment trap deployment, 119A4:111
drilling deformation, 119A2:15; 13:480
environmental implications, 119B10:194–200
Eocene–Miocene stable isotopes, 119B38:708–710
Eocene–Oligocene transition, 119B38:710–712
erosional hiatuses associated with Circumpolar Deep
Water, 119B10:201
evolution, 119B11:217–219
geophysics, 119A13:478
lithology, 119A13:480, 482, 502–503; 119B10:187;
11:213, 215; 44:771–772; 46:820
lithostratigraphy, 119A13:479–484
living bacteria density changes, 119B37:687–689
location, 119A13:477; 119B8:144; 9:169; 10:186;
11:212; 16:300; 17:324; 18:350; 19:376; 38:694,
714; 40:731; 43:751; 46:814
magnetic properties, 119A2:33–34; 3:45; 13:488–490;
119B44:772–782; 49:895
magnetostratigraphy, 119B38:696; 44:772, 781–782;
46:819–822
mineralogy, 119B11:215–217
Miocene unconformity, 119A13:477–478, 502
nannofossil–diatomaceous ooze transition,
119A13:477–478, 484, 503; 119B10:190, 202
navigation, 119A3:45, 47–85, 87, 89

- Neogene, 119B46:829; 48:885–888
nonbiogenic sediment, 119B10:190–193
Oligocene–Holocene interval, 119B10:201–202
Oligocene–Miocene hiatus, 119B40:736; 44:782
Oligocene unconformity, 119A13:477–478, 502;
119B48:885
organic geochemistry, 119A2:34–35; 13:491
paleoceanographic implications, 119B38:712–714
Paleocene–Eocene interval, 119B38:697–708
Paleogene, 119B46:830; 48:882–885
particulate fluxes, 119A4:109–110, 114
physical properties, 119A2:37–39; 13:495–500
preglacial conditions, 119B10:200–201
sediment composition, 119B10:188, 204–205
sedimentary structures, 119A2:20
sedimentation rates, 119A13:490
seismic stratigraphy, 119A3:45, 102; 13:500–501
stratigraphy, 119B52:935–939
strontium isotopes, 119B40:731–736
system geometry, 119A3:106
volcanotectonic evolution, 119B16:299
well-log summary, 119A13:481
zonation, 119A2:24, 26–33
- Kerguelen sediment ridge
bathymetry, 119A1:5; 3:45
biology and oceanography, 119A2:35–37; 14:519–520
clasts, 119B13:257
glaciation, 119B13:240–244, 248–249; 48:882–888
grain size and composition, 119B12:226–229
high-resolution vs. regular sampling method,
119B20:393–399
ice-rafting origin, 119B13:247
lithostratigraphy, 119A14:509–514; 119B17:327;
18:369
location, 119A14:505; 119B8:144; 9:169; 12:226;
13:239; 16:300; 17:324; 18:350; 19:376; 43:751;
46:814
navigation, 119A3:45, 47–85, 89
paleoceanographic reconstruction, 119B13:244, 246–
247
pore water chemistry, 119B18:369–371
sediment composition, 119B12:235; 13:254–256
sedimentary cycle origin, 119B12:229–232
sedimentary structures, 119A2:20
seismic stratigraphy, 119A3:45, 103–104; 14:525–526;
15:548
system geometry, 119A3:106
volcanic ash, 119B17:325
- Kerguelen sediment ridge (Site 745)
biostratigraphy, 119A14:514–516; 119B28:519–526;
29:573–575; 46:818
depositional environment, 119A14:513–514
drilling deformation, 119A2:15; 14:508–509
geophysics, 119A14:506
inorganic geochemistry, 119A2:35; 14:516–518
lithologic units, 119A14:505, 509–510, 512, 530
magnetic properties, 119A2:33–34; 3:45; 14:516;
119B49:895–898, 900–901
magnetostratigraphy, 119B43:752–753; 46:817–818
organic geochemistry, 119A2:34–35; 14:518–519
pelagic-terrigenous mixed component, 119A14:505,
508
physical properties, 119A2:37–39; 14:520, 522–525
sedimentation rates, 119A14:516
seismic stratigraphic correlation, 119A14:525
summary, 119A14:511
zonation, 119A2:24, 26–33
- Kerguelen sediment ridge (Site 746)
biostratigraphy, 119A15:542–544; 119B26:476;
28:526–527; 29:575–577; 46:821
depositional environment, 119A15:541–542
drilling deformation, 119A2:15; 15:539
geophysics, 119A15:537–538
inorganic geochemistry, 119A2:35; 15:544–545
lithostratigraphy, 119A15:537, 539–541, 550
magnetic properties, 119A2:33–34; 3:45; 15:544–545
magnetostratigraphy, 119B43:753–754; 46:818–819
organic geochemistry, 119A2:34–35; 15:545
physical properties, 119A2:37–39; 13:545–548
pore water chemistry, 119B18:369–371
sediment transport, 119A15:542, 551
sedimentation rates, 119A15:544
zonation, 119A2:26–33
- Kerguelen sediment ridge E
morphology, 119B12:225
sediment drift and Antarctic Bottom Water responsi-
bility, 119B12:232
topography, 119A14:525
- Kermadec arc (New Zealand)
geochemistry, 135B24:416
lava, 135B29:529–530
olivine basalts, 135B24:386
See also l'Esperance
- Kermadec Ridge. *See* Macauley Island
- Kermadec subduction zone. *See* Tonga-Kermadec subduc-
tion zone
- Kermadec Trench
marine sedimentation, 181A1:8
See also Tonga-Kermadec Trench
- Keweenaw Peninsula (Michigan), native copper com-
pared to basalt, 104B21:415–416
- Key Largo well (Sinclair) (Florida), location, 101B28:440
- Khalassa subbasin (Cyprus), Messinian gypsum,
160B36:459–460
- Kiglapait intrusion (Labrador), melt porosity, 118B4:81–
82
- Kii Peninsula (Nankai Trough accretionary prism)
geology, 190A1:3–4
sedimentation, 131B2:24
subduction, 190/196B3:3–4
- Kilani Formation (Cyprus), Oligocene, 160B54:744
- Kilauea, glass inclusions, 157B24:415–416
- Kilauea Rift (Hawaiian Islands), distance from volcano
vs. age, 145B22:343
- Killan unit (Turkey SE), tectonics, 160B54:763, 772
- Kinan seamounts (Nankai Trough)
geology and geophysics, 196A1:3–4
sediments, 190A1:26
subduction, 190/196B1:3–4, 10
- King George Island (Antarctica)
geology, 120B(1)12:162; (2)56:1023; 63:1097

- glaciation, 119B6:79; 10:210
- King's triple junction (Lau Basin)
 - geochemistry, 135B24:386–425
 - lava, 135B29:529
- King's Trough (Atlantic Ocean NW)
 - creation, 103A5:84
 - magnetic susceptibility, lithology, and paleoclimate, 115B41:744
 - oxygen isotope values, 108B16:281
 - plate tectonics, 149B1:3–4; 25:438
- King's Trough/Azores-Biscay Rise boundary, plate tectonics, 149B25:438
- Kiriwina limestone (Solomon Sea), carbonate platforms, 180B(synthesis):13
- Kirkwood 0 sequence (New Jersey coastal plain)
 - biostratigraphy, 150X_B10:122; 11:137; 174AXS_A2:36, 39
 - clay mineralogy, 150X_B5:61
 - deposition, 150X_B12:152; 14:176
 - lithofacies, 174AXS_A(summary):8
 - lithostratigraphy, 174AXS_A2:24–25, 51
 - photograph, 174AXS_A2:56
 - strontium isotope stratigraphy, 174AXS_A2:42; 3:48
- Kirkwood 1 sequence
 - deposition, 150X_B12:149, 152; 14:176–178
 - lithology, 174AXS_A1:52; 2:51
- Kirkwood 1a sequence
 - aquifers, 174AXS_A(summary):14
 - biofacies, 150X_B14:176–178; 20:278
 - biostratigraphy, 150X_B10:122; 11:137; 174AXS_A1:29; 2:35–36, 38–39
 - clay mineralogy, 150X_B5:61–62
 - lithofacies, 174AXS_A(summary):7–8
 - lithostratigraphy, 150X_A1:22; 150X_B2:21; 5:62; 174AX_A1:20; 174AXS_A1:52; 2:23–24, 51
 - strontium isotope stratigraphy, 174AXS_A2:42
- Kirkwood 1a sequence/Brigantine member boundary, lithologic units, 174AXS_A5:21–23
- Kirkwood 1a1 sequence
 - lithofacies, 174AXS_A(summary):7
 - strontium isotope stratigraphy, 174AXS_A2:42; 3:48
- Kirkwood 1a2 sequence
 - lithofacies, 174AXS_A(summary):7
 - strontium isotope stratigraphy, 174AXS_A2:42
- Kirkwood 1a3 sequence
 - lithofacies, 174AXS_A(summary):7
 - strontium isotope stratigraphy, 174AXS_A3:48
- Kirkwood 1b sequence
 - aquifers, 174AXS_A(summary):14
 - biofacies, 150X_B14:178; 20:278
 - biostratigraphy, 150X_B10:122; 11:137; 174AXS_A2:36
 - hydrostratigraphy, 174AXS_A7:30
 - lithofacies, 174AXS_A(summary):8
 - lithostratigraphy, 150X_A1:22; 150X_B2:21–22; 5:62; 174AX_A1:20; 174AXS_A2:22–23, 51; 7:22–23
 - photograph, 174AXS_A7:51
 - strontium isotope stratigraphy, 174AXS_A2:42
- Kirkwood 1b sequence/Shiloh member boundary, lithologic units, 174AXS_A5:20–21
- Kirkwood 1b sequence partim, stratigraphy summary, 174AXS_A7:50
- Kirkwood 1c sequence
 - biofacies, 150X_B14:178
 - biostratigraphy, 150X_B10:122; 11:137–138
 - hydrostratigraphy, 174AXS_A7:30
 - lithofacies, 174AXS_A(summary):8
 - lithologic units, 174AXS_A7:21–22
 - photograph, 174AXS_A7:51
 - stratigraphy summary, 174AXS_A7:50
 - strontium isotope stratigraphy, 174AXS_A3:47
- Kirkwood 2 sequence
 - deposition, 150X_B12:149, 151–152
 - lithology, 174AXS_A2:50
- Kirkwood 2a sequence
 - aquifers, 174AXS_A(summary):15
 - biofacies, 150X_B14:178–179; 20:279
 - biostratigraphy, 150X_B10:122; 11:138–139; 174AXS_A2:36
 - clay mineralogy, 150X_B5:60
 - lithofacies, 174AXS_A(summary):7
 - lithostratigraphy, 150X_A1:19; 150X_B2:22; 5:62; 174AX_A1:18–20; 174AXS_A2:20–22, 50; 7:20–21
 - photograph, 174AXS_A7:49
 - sediments, 150X_B4:50
 - stratigraphy summary, 174AXS_A7:47–48
 - strontium isotope stratigraphy, 174AXS_A2:41; 7:26
- Kirkwood 2a sequence/Wildwood member boundary, lithologic units, 174AXS_A5:19–20
- Kirkwood 2a1 sequence
 - lithofacies, 174AXS_A(summary):7
 - strontium isotope stratigraphy, 174AXS_A2:42
- Kirkwood 2a2 sequence
 - lithofacies, 174AXS_A(summary):7
 - strontium isotope stratigraphy, 174AXS_A2:41–42
- Kirkwood 2a3 sequence
 - lithofacies, 174AXS_A(summary):7
 - strontium isotope stratigraphy, 174AXS_A2:41
- Kirkwood 2b sequence
 - biofacies, 150X_B14:179; 20:279
 - biostratigraphy, 150X_B10:120, 122; 11:139; 174AXS_A2:35–36
 - clay mineralogy, 150X_B5:60
 - lithofacies, 174AXS_A(summary):8
 - lithostratigraphy, 150X_A1:19; 174AX_A1:18; 174AXS_A2:20, 50; 7:19–20
 - sediments, 150X_B4:50
 - stratigraphy summary, 174AXS_A7:47–48
 - strontium isotope stratigraphy, 174AXS_A2:41; 7:26
- Kirkwood 2c sequence
 - biofacies, 150X_B14:179
 - biostratigraphy, 150X_B10:122; 11:139
 - clay mineralogy, 150X_B5:60
 - lithofacies, 174AXS_A(summary):8
- Kirkwood 3 sequence
 - biofacies, 150X_B14:180; 20:280
 - biostratigraphy, 150X_B10:120, 122; 11:139
 - clay mineralogy, 150X_B5:60
 - deposition, 150X_B12:151–152
 - lithofacies, 174AXS_A(summary):8

- lithostratigraphy, 150X_B2:17–18; 174AXS_A2:19–20, 49; 7:17–18
sediments, 150X_B4:50
stratigraphy summary, 174AXS_A7:46
strontium isotope stratigraphy, 174AXS_A2:41; 7:25
- Kirkwood-Cohansey sequence
biofacies, 150X_B14:180
foraminifers, 174AXS_A2:36
lithostratigraphy, 150X_A1:15–17; 174AXS_A2:18–19
strontium isotope stratigraphy, 174AXS_A2:41
- Kirkwood-Cohansey 1 sequence
lithologic units, 174AXS_A7:17
stratigraphy summary, 174AXS_A7:43
strontium isotopes, 174AXS_A7:25
- Kirkwood-Cohansey 2 sequence
lithologic units, 174AXS_A7:16
stratigraphy summary, 174AXS_A7:43
- Kirkwood Formation
age vs. depth, 174AXS_A3:66
biostratigraphy, 150X_B10:119–120, 122; 11:137–139
clay mineralogy, 150X_B5:60–63
lithology, 150X_B14:170–171; 174AXS_A1:52; 2:49–51; 5:19–23; 6:20–22; 7:16–23
lithostratigraphy, 150X_A1:15–23; 150X_B2:21–22; 174AX_A1:18–21; 174AXS_A1:15–16; 2:18–25
lower Miocene, 150X_A1:15, 17
middle Miocene, 150X_A1:14
mineralogy, 150X_B24:317–341
nanofossils, 174AXS_A2:38–39
photograph, 150X_A1:20–21; 174AXS_A6:74
pore water, 150X_B25:343–354
revised definition, 150X_B14:186
sediments, 150X_B4:50
stratigraphy, 150X_B1:7, 9–10; 174AXS_A1:2; 2:2–3
stratigraphy summary, 174AXS_A5:58; 6:66; 7:43–45, 47–51
- Kita-Oki Bank (Japan Sea)
basement, 127A7:333; 128A4:127–129
bathymetry, 128A4:126–127
geology, 127A19:325
heat flow, 127A7:330; 128A4:127, 131
seismic stratigraphy, 127A7:399
- Kita-Yamato Bank (Japan Sea)
basement, 128A5:247–249
bathymetry, 128A5:245–246
crustal structure, 128A5:248
diatoms, 128A5:249, 303
freshwater sediments, 128A5:249
geology, 127A7:325
magnetic anomalies, 128A5:247
phosphatic sediments, 128A5:249; 127/128B(1)5:67–68
sandstone provenance, 127/128B(1)7:110–111
subsidence, 128A5:295
- Kita-Yamato Trough (Japan Sea)
bathymetry, 127/128B(1)6:76; 128A5:245–246, 374
biostratigraphy, 127/128B(1)13:225–226, 233–234; 14:241, 246–247; 21:361; 22:370–373, 376–378; 127/128B(2)77:1224
consolidation/permeability, 127/128B(2)71:1123–1133
crustal structure, 128A5:245–249
deposition, 128A5:252–253, 292–298, 353–355
diagenesis, 127/128B(1)2:35–39
free-air gravity anomalies, 128A5:247
geologic history, 127A1:13; 7:325; 128A1:21–22
heat flow, 128A5:246
Layer 1, 128A5:246
Layer 3, 128A5:246
magnetostratigraphy, 127/128B(2)62:974–975; 77:1224
n-alkanes, 127/128B(1)38:669
normal faults, 127A7:334
oceanographic drilling objectives, 128A1:19
oceanography, 128A5:252–253, 312, 355–356
organic matter, 127/128B(1)38:668
paleodepth, 127/128B(1)22:373, 379
paleoenvironment, 127/128B(1)22:381
sediment thickness, 128A5:237, 353–354
sedimentation, 127/128B(2)77:1227; 128A5:250
seismic stratigraphy, 127/128B(2)72:1135–1143; 128A1:34; 5:245, 250, 344–351
Site 799, 127/128B(1)25:425; 32:560; 34:605; 35:623; 38:667; 42:721; 43:739; (2)72:1135
stress field, 128A5:293–294
structural setting, 128A5:303; 127/128B(2)72:1135
subsidence, 128A5:239, 295–298, 355
surface water productivity, 128A5:324
tectonic setting, 127/128B(1)10:156; (2)75:1187; 128A5:249–250
See also Yamato Bank
- Kitakami Basin (Japan Trench)
biostratigraphy, 186A4:26
volcanic front, 186B1:6
- Kitakami Range, deformation, 186B1:8
- Kitaura Formation (Japan)
deposition, 128A1:18
foraminifers, 127/128B(1)12:187; 27:459
submarine fan deposition, 127/128B(2)76:1202
- Kithrea fault (Cyprus), tectonics, 160B54:746, 773
- Kithrea flysch, tectonics, 160B54:746, 748–749
- Kiti unit (Turkey), tectonics, 160B54:753
- Klamath Mountains, sediments, 167B32:361–362; 169A5:219
- Klamath Terrane (California), accretion, 146A(1)1:5–7
- Klyuchevskoy lava (Kamchatka), lead isotopes, 145B24:385–386
- Knipovich Ridge (Arctic Ocean)
mid-ocean-ridge spreading axis, 151A1:6–9
physiography, 151A1:7; 151B1:6–9; 152A1:6–7
plate tectonics, 151A1:14–16; 162A1:7
- Kocali ophiolite (Turkey), tectonics, 160B54:769
- Kogi Rise (Colombian Basin), 165A4:131–230
acoustic basement, 165A4:133–135
depth to volcanic basement, 165B13:219–224
Miocene/late Miocene carbonate crash, 165A8:382
pelagic sedimentation, 165A8:378–379
sedimentation rates, 165B17:257
sediments, 165A4:194–207
site description, 165A4:131–230
- Kohistan N (Pakistan), secondary magnetization component of suture zone, 121B39:811–812

Koko Seamount (Hawaiian hotspot)
 magnetic inclination, 197B1:5
 paleolatitude, 197A1:5–7
 seismic reflection surveys, 197B6:3
 Kolbeinsey Ridge (Atlantic Ocean N)
 lithologic units, 151A6:121–122; 7:166–171; 11:357–360
 mid-ocean-ridge spreading axis, 151A1:6–9
 photograph, 151A7:168–169; 10:327; 11:358–359
 physiography, 151A1:7; 151B1:6–9; 152A1:6–7
 volcanism, 151B17:309–310, 327; 18:347–349
 Koolau Volcano (Hawaii), geology, 200A1:20; 200B1:4
 Kopru Basin (Turkey S), tectonics, 160B54:749–750
 Korea
 geology, 128A1:15
 granite exposures, 127/128B(1)7:111
See also Dolgorae-1 well; Pohang Basin
 Korea Strait, geology, 127A7:355
 Korean Current, oceanography, 127/128B(1)25:424
 Korean Plateau, basement, 127A1:9
 Korobasaga volcanic group (Lau Basin)
 basalts, 135B38:633
 element abundances, 135B24:417
 geochemistry, 135A(1)11:657; 135B24:393; 52:839–841
 Koronia Formation (Cyprus), geology, 160A9:291
 Koronia member, limestone, 160B37:476
 Koryak Range (Alaska), tectonics, 145B12:200
 Krabbedalen Formation (Greenland E), stratigraphy, 152B16:225
 Kremlin white smoker field (Mid-Atlantic Ridge)
 geochemistry, 158B4:52, 57–59; 27:366
 hydrothermal fields, 158A1:8
 lead isotopes, 158B8:104–109
 stratigraphy, 158A8:142–144; 158B18:232–236
 sulfur isotopes, 158B5:76–77
 Kudat Peninsula (Malaysia), lithology, 124B9:128
 Kula/Farallon plate (Pacific Ocean NE), subduction, 146A(1)1:5–7
 Kula-Pacific Ridge (Pacific Ocean NE)
 rifting, 145B27:413–414
 tectonics, 145B27:424
See also Kula-Pacific Ridge; Kula-Pacific spreading center; Kula plate; Kula Ridge
 Kula-Pacific spreading center (Pacific Ocean NE), movement, 145B27:416
 Kula plate (Pacific Ocean NE), tectonic evolution, 145B27:415
 Kula Ridge (Pacific Ocean NE), sedimentation, 141B31:394
 Kumluca Zone (Turkey), geology, 160B54:738
 Kumroch Range (Kamchatka), terranes, 145B12:200
 Kunene River (Africa SW), upwelling, 175A1:17
 Kurd Dagh (Syria), ophiolites, 160B54:760
 Kuril Basin (Kamchatka), formation, 127A1:10
 Kuril-Kamchatka arc (Kamchatka), volcanism, 145A3:61–62; 5:180; 145B23:370–371
 Kuril Trench (Kamchatka), *Calyptogena* sp., 112A6:94, 106
 Kuriles (Kamchatka), volcanism, 145B23:345–381

Kuroshio Current
 biostratigraphy, 128A4:159, 165; 5:310–311; 185B4:8–9
 circulation, 191B1:2; 198A1:9–10
 clay, 190/196B4:9, 11
 climate, 127/128B(1)19:326; 184A1:14
 geology, 195A1:22–27
 ice rafting, 145B12:201
 Japan Sea, 128A1:30
 oceanography, 127A7:355; 128A1:20–21; 4:164; 167B32:342; 184A1:9
 path, 195A5:18
 sedimentation, 195B3:3–5
 shifts, 145B21:322
 Site 798, 128A4:164–166
 Site 799, 128A5:312
 Tsushima Strait, 127/128B(1)10:166–167
 Kuroshio Front, paleoceanography, 186B3:1–21
 Kuroshio-Oyashio convergence, transport, 190/196B4:7
 Kutu volcanics (Woodlark Basin), Maastrichtian, 180B1:3
 Kw-Cohansey sequence. *See* Kirkwood-Cohansey sequence
 Kw0 sequence. *See* Kirkwood 0 sequence
 Kw1 sequence. *See* Kirkwood 1 sequence
 Kw2 sequence. *See* Kirkwood 2 sequence
 Kw3 sequence. *See* Kirkwood 3 sequence
 Kwaimbaita Formation (Ontong Java Plateau)
 basalts, 192A1:7, 12, 14; 5:15
 geochemistry, 192A3:28–29; 192B1:5–7
 Kyrenia Range (Cyprus)
 Cretaceous–Paleogene succession, 160B32:412–413; 54:746, 748–749
 fanglomerate, 160B43:560–562
 tectonics, 160A1:6; 160B51:691; 54:765–766, 769, 771–775
 Kyrenia-Misis lineament, tectonics, 160B54:756
 Kyushu
 upper Quaternary tephrostratigraphy, 186B10:4
 volcanic ash layers, 128A4:156–157
See also Palau-Kyushu-Bonin arc; Palau-Kyushu Ridge
 Kyushu-Palau remnant arc, sediments, 190A1:26
 Kyushu-Palau Ridge, geology, 195A1:15–16

L

l'Esperance (Kermadec Islands), geochemistry, 135B24:392–393
 La Calderilla Formation (Gran Canaria), geochronology, 157B11:137
 La Gomera (Canary Islands)
 sandstone, 157B12:168–169
 source area, 157B16:278–279
 La Luna Formation (Demerara Rise)
 geologic history, 207A1:4
 mid-Cretaceous, 207B2:3
 strontium isotopes, 192B3:10, 18
 La Meseta Formation (Antarctica), palynomorphs, 188B3:16
 La Palma Island (Canary Islands)
 basins, 157A2:13

- primary oxide composition, 121B28:539
La Palma seamount series, volcanism, 144B36:626
Labrador. *See* Kiglapait intrusion
Labrador Current, hydrography, 150A1:6
Labrador Sea
 age, 105A5:477; 105B8:106; 13:118; 34:655, 657
 Atlantic red clay associations, 105B9:132, 134
 autochthonous vs. allochthonous sources, 105B6:78–80
 base map, 105B40:792; 41:792
 basement depth, 105A5:422–423
 bathymetry, 105A1:6–7; 5:421, 443; 6:677–678; 105B33:618; 48:892; 51:961; 52:990
 biogenic fraction, 105A5:432; 105B11:156–157
 biostratigraphy, 105B24:407–408, 411; 25:433; 33:641; 39:717–719; 52:944; 120A8:250; 124B12:171, 176; 162B11:174
 bottom current influence, 105B4:59; 6:75, 80
 bottom topography, 105B30:563
 bulk chemical data, 105B10:143
 carbon isotopes, 113B50:881–882; 117B35:572
 carbonates, 105A5:456, 463–464; 105B9:118; 51:975
 chronostratigraphy, 105B50:944–948
 clay mineralogy, 105B6:72–73
 clayey mud, 105A6:684, 686–687
 clayey silt, 105A5:433, 435–436; 6:684, 686–687
 claystone, 105A6:692
 climatic change warming trend, 105B6:78
 compaction patterns, 105B40:788–790
 continental crust, 105B46:873
 deepwater circulation, 105A5:495–496; 6:677–678, 732–734; 105B25:432
 depositional environment, 105B13:192
 depth, 105A6:717–718; 105B52:995
 detrital origin, 105B6:76–77
 ecological water mass movements, 105B33:635, 640
 Eocene–Holocene, 105B13:191–193
 Eocene–Oligocene, 105A6:676; 105B9:111
 evolution, 105A5:420
 feldspars, 105A5:435
 fining-upward sequence, 105B6:76
 fracture zones, 105A1:10
 geochemistry, 105B8:108–110
 geology, 105B46:863, 873
 glacial cycles, 105A1:16–18; 105B33:635–641
 glaciation, 105A5:442, 492–495
 grain size distribution, 105B6:73–76
 gravity anomalies, 105A5:427–428
 hole correlations, 105A5:432–434
 ice rafting, 124A12:315; 124B28:376
 icebergs, 105A5:441
 inorganic sediments, 105B9:118, 120–122
 isotopic signatures, 105B14:219
 lithofacies and bottom topography, 105B30:562–563
 lithology, 105A5:432, 490–491; 6:675–676, 687–689; 105B1:13–14; 6:72–74; 9:112–117; 15:247; 16:247
 lithostratigraphy, 105A6:692; 105B1:12–13; 6:73; 8:104; 10:139; 25:425–426; 28:515–519; 30:565; 33:620; 36:707; 37:732–733
 location, 105A1:6; 5:421, 423; 105B6:72; 8:102; 29:553; 30:562; 32:600; 33:619; 34:654, 677, 685; 35:690; 41:798; 42:798; 52:1003
 lowermost layer, 105B8:104–106
 magnetic anomalies, 105A1:9; 5:427–428
 magnetic lineations, 105A1:7, 10; 105B46:864
 magnetic properties, 105A5:460–462, 466–469; 6:713–714
 magnetostratigraphy, 105A5:420–421, 444–445, 459–460, 466
 major element oxides, 105B8:102–104; 9:118–119, 124, 133–134
 median diameters, 105B1:13–15
 methane/ethane ratio, 105A5:459
 Miocene–Pliocene, 105B25:431–433
 Miocene/Pliocene boundary, 105B1:13
 modern environment, 105A4:186; 105B13:186
 North Atlantic waters, 105B33:621
 northern advection, 105B33:635, 641
 northern-source deep water, 105B36:721
 Oligocene, 105B20:333; 28:525
 opening, 103B2:21
 organic carbon, 105A5:456–457, 460–461, 492–493; 6:709, 714–715, 730
 outer shelf influence, 105B28:524
 oxygen isotopes, 105A5:456
 paleoecology, 105B17:275–276; 20:333–334
 paleoenvironment, 105A5:446, 492–495; 105B19:309; 24:409; 28:515–516
 paleogeographic map, 105A1:14
 paleoproductivity, 105B14:219
 petrography, 105B46:863, 866
 Phanerozoic igneous history, 105B46:863
 physical properties, 105A5:424, 466–475, 477–483, 492; 6:714, 716–724; 105B34:656
 plate tectonics, 162A1:7
 Pleistocene, 105B1:13; 33:636–637
 Pliocene, 105B1:13
 polar region, 105B33:639, 641
 pore water chemistry, 105A5:454–457; 6:709, 713; 105B10:142; 12:171–182
 quartz, 105A5:435
 rare earths, 105B9:118, 121
 Rock-Eval pyrolysis, 105A5:457–458; 105B14:206
 seafloor spreading, 105A1:6–7, 9
 sediment mass accumulation rates, 105A5:444–445; 6:708, 710–711, 729–730; 105B4:54–56, 58–59
 sediment thickness, 105A5:424, 426; 6:681, 724–726, 728
 sedimentation rates, 105A5:437, 491–492
 seismic stratigraphy, 105A5:422–426, 428, 484–489; 105B25:425–426; 28:517–519
 silty clay, 105A5:431, 433, 435–436, 438; 6:684, 686–687, 689
 silty mud, 105A5:431, 433, 435
 Site 112 similarities, 105A5:442–444; 6:696
 Site 113 similarities, 105A5:442–444
 sites drilled, 120B(2)27:494
 southerly air masses, 105B33:634
 spatial continuity, 105B33:636
 stable isotopes, 105B12:177–178

- stratigraphic summary, 105B43:811–812
- structure, 105B1:7, 14–15; 4:62
- subpolar regions, 105B33:635–637
- synthetic seismograms, 105A5:482–484
- tectonic evolution, 105B52:989–990, 998
- texture-composition graph, 105A5:441
- thorium/potassium ratio, 105A5:479
- trace elements, 105B9:118, 120, 122–124
- water content, 105A5:470, 472–474; 6:720–722
- water mass property fluctuations, 105B28:524–525
- See also* Farewell Fracture Zone; Gloria Drift; Imarsuak Mid-Ocean Channel; Irminger Basin; Irminger Current; Leif Fracture Zone; Minna Fracture Zone
- Labrador Sea Water
 - currents, 152B1:6–10, 15
 - salinity vs. temperature, 177A1:42
- Labrador shelf
 - burial history, 105B36:716–717
 - seafloor spreading, 105A1:6
- Labuan Basin (Indian Ocean S)
 - basement, 183A1:4
 - Kerguelen Plateau/Broken Ridge breakup, 120B(2)51:935
 - location, 120B(2)47:881
 - magnetic anomalies, 120B(1)5:71
- Laccadive Islands (Indian Ocean)
 - hotspot activity, 115A1:5–6
 - See also* Mascarene-Chagos-Laccadive volcanic lineament
- Laccadive Ridge
 - basement, age, 121B38:770
 - hotspots, 121B38:770
 - See also* Chagos-Laccadive Ridge; Chagos-Maldives-Laccadive Ridge; Maldives-Laccadive-Chagos-Mascarene Ridge; Maldives-Laccadive Ridge
- Laga Basin (Italy), subsidence, 107B38:725
- Lake Clyde (Great Basin W), middle Pleistocene, 167B32:372
- Lake Mundafan (Oman margin)
 - glacial-interglacial fluctuation, 117B19:339
 - humid climate in last glacial stage, 117B6:156
- Lake Turkana (Kenya), Quaternary climate change, 117B22:398
- Lakes entrance (Great Australian Bight), biostratigraphic datums, 182B3:17
- Laki 1783 eruption (Iceland), tephra, 152B5:53
- Lakshmi Ridge, Indus Fan sediments, 117A5:51
- Lallemand Fjord (Antarctica), photograph, 178A2:32
- Lambert Deep (Prydz Bay), bathymetry, 188A1:5
- Lambert Glacier (Antarctica)
 - ablation, 119B5:62
 - Cenozoic glacial deposits, 119B1:7
 - channel geometry, 119B5:70
 - chronostratigraphy, 188B14:10–11
 - drainage basin, 119A1:7
 - drift deposits, 188A1:4
 - glaciology, 188A1:6–7
 - grounding line, 119A8:339
 - ice drainage basin, 119A8:290
 - ice thickness, 119B5:64
 - lobate prograding apron, 119B1:20
 - longitudinal foliation at confluence region of Mellor and Fisher glaciers, 119B5:75
 - maps, 188B1:29
 - origin, 119B5:62
 - regional geology, 119B1:5
- Lambert Glacier-Amery ice shelf system
 - bedrock topography, 119B5:64, 68
 - debris transport, 119B5:71, 73–74
 - drainage basin, 119B5:65–66
 - fans, 188B14:11–13
 - flow lines, 119B5:65
 - glaciology, 188A1:6–7; 188B1:4
 - grounding line fluctuation, 119B13:248; 38:714–715; 48:875
 - ice dynamics, 119B5:62, 64, 70–73
 - ice thickness, 119B5:64
 - interior basin mass flux, 119B5:62
 - Landsat imagery, 119B5:68–69
 - rift structure, 119A1:9
 - structural glaciology, 119B5:63, 68–71
 - surging models, 119B5:62
 - Wisconsin glacial maximum retreat, 119B42:749
- Lambert Graben
 - age, 119A2:7
 - basement depressions, 119B5:67
 - development timing, 119B5:67–68
 - draining basin, 119A8:338
 - formation, 119A9:346
 - geology, 119B5:66–67; 188A1:8; 188B1:4
 - ice cover thickness, 119B5:64
 - ice sheets, 188B13:14
 - Permian nonmagnetic rocks, 119B6:80
 - northerly extension, 119B5:67–68
 - Prydz Bay development, 119A10:377
 - regional geology, 119B1:5
 - sediment transport, 119B6:80
 - structural separation with Prydz Bay basin, 119B1:18
 - subglacial topography, 119B5:64; 6:80
 - subsea level feeder branches, 119B5:64
- Lamont seamounts (Pacific Ocean), geochemistry, 139B6:90; 144B31:541, 543
- Lampedusa Formation (Mediterranean Sea), Miocene carbonates, 160B33:433
- Lan-Yang River (Taiwan), deposition, 195B3:4
- Lanai (Hawaiian Islands), volcanic glass, 136B4:61
- Lancaster Sound (Baffin Basin), geology, 105B3:45
- landward basalt flows (Greenland SE), volcanostratigraphy, 163B1:4
- large thrust-slice zone (Nankai prism)
 - geology, 190A1:6–7
 - structural subdivisions, 190A2:5
- Las Canadas Caldera wall (Canary Islands)
 - ash fall layers, 157B18:315–328; 27:458–459
 - lithology, 157B18:320
- Las Henandez section (Venezuela), strontium isotopes, 192B3:17
- Las Palmas Formation (Gran Canaria), geochronology, 157B11:134, 136
- Latakia. *See* Cyprus-Latakia Link zone; Hecataeus-Latakia unit

- Latakia Basin (Mediterranean Sea E)
lineaments, 160B54:750–751; 54:774
tectonics, 160B54:750–759
- Latakia Ridge, lineaments, 160B54:750–751
- Latium-Abruzzi carbonate platform (Italy)
Apennines, 107A3:45
lithostratigraphy, 107A3:48
Pliocene event, 107B38:726
- Lau Basin
backarc basin basalt (BABB), 124B20:278; 125B8:138
bacteria, 135B9:147–150
basaltic andesites, 135B32:557–563
basalts, 135B33:565–584; 35:595–613
bathymetry, 135A(1)7:292; 135B2:10
biostratigraphy, 135A(1)1:23–26; 135B13:191–205;
14:207–229
Cenozoic evolution, 135B55:900–902
convergent plate margins, 135B1:3–5
downhole measurements, 135A(1)1:41–44
element abundances, 135B24:413
formation model, 127/128B(2)58:928
geochemical logs, 135B59:931–949
geochemistry, 135B24:385–425; 43:689–707
geologic setting, 135A(1)8:341; 135B51:819–828;
55:885–886
geotechnical properties, 135B48:787–795; 49:797–804
hydrogeochemistry, 135B42:677–688
hydrothermal deposits, 135B5:75–86
igneous petrology, 135A(1)1:32–34
inorganic geochemistry, 135A(1)1:31–32
lava, 135B29:528–529
lithostratigraphy, 135A(1)1:14–21
magnetization, 135B45:717–735
marginal basins, 180B6:21
mineralogy, 135B24:386–388
Miocene, 135B6:87–100
morphotectonics, 135A(1)5:185–186; 8:341
ocean basins, 135A(1)1:5–47
opening, 135A(1)11:579; 135B47:771–775
organic geochemistry, 135A(1)1:32
paleomagnetism, 135B46:737–762
petrology, 135B25:427–470; 27:487–503; 55:879–905
physical properties, 135A(1)1:40–41; 135B50:805–816
plagioclase zoning, 135B31:544–549
plate circuits, 130B43:698–699
reduction halos, 135B10:151–162
sedimentation rates, 135A(1)1:26, 28–29;
135B52:829–842
sediments, 135B8:131–146; 41:667–676
seismic reflection, 135B21:331–365; 56:909–921
site description, 135A(1)4:85–170; 5:181–245
spinel, 135B34:585–594
stratigraphy, 135B54:857–877
tectonic history, 127/128B(2)83:1347; 135A(1)6:252;
135B2:9–21; 12:173; 18:287–299; 19:306–307
timing of principal events, 135A(1)1:35
turbidites, 135B7:101–130
volcanic ash turbidites, 123B4:104
volcanic glass, 135B30:533–542
volcanic rocks, 135B37:615–623
volcaniclastics, 135B4:51–74
volcanism, 135B3:23–49
See also Central Lau spreading center; Eastern Lau spreading center; 'Eua; Horizon A seismostratigraphic unconformity; instantaneous transform zone; intermediate Lau spreading center; King's triple junction; Korobasaga volcanic group; Mago volcanic group; Mangatolu triple junction; Peggy Ridge; Tofua arc; Valu Fa Ridge; Vanuatu-Fiji-Lau-Tonga area
- Lau-Havre Basin (Pacific Ocean W), plate circuits, 130B43:698–699
- Lau Ridge
basalts, 135B26:471–485
crust, 135A(1)11:579
geochemistry, 135B38:631–632
geologic setting, 135B55:883
lava, 135B29:529
Miocene, 135B6:87–100
morphotectonics, 135A(1)1:10
petrology, 135B55:879–905
plate tectonics, 135B47:763
stratigraphy, 135B54:857–877
tectonics, 135A(1)6:252
volcanic arcs, 135A(1)4:92
- Lau spreading center. *See* Central Lau spreading center
- Lau-Tonga forearc basin, Miocene, 135B6:87–100
- Lau-Tonga protoarc, rifting, 135B18:288
- Lau-Tonga transect. *See* Three Kings Rise
- Lau volcanic group
basalts, 135B26:471–485; 38:633
geochemistry, 135A(1)11:657; 135B24:393, 417
middle Miocene, 135B3:40
- Laurentide Ice Sheet
Cenozoic and Quaternary sequences, 105A1:5
Wisconsinan episode, 105B23:394
- Le Castella section (Italy S), Pliocene/Pleistocene boundary, 107B24:395
- Le Danois Bank (Cantabrian seamounts)
limestone, 103A7:111, 118
location, 103A7:119
- Le May group (Australia NW margin), pelagic sedimentation, 123B39:752
- Leclaire Rise (Kerguelen Plateau), drilling, 183A1:22–26
- Lieuwin Current (Great Australian Bight)
biostratigraphy, 182A1:20; 5:12; 8:12; 182B3:18–19
reef mounds, 182A2:4; 182B1:10
- Lefkara Formation (Cyprus)
Cretaceous–Paleogene succession, 160B32:413
geology, 160A7:199; 9:291; 160B36:456–457, 462;
51:690–691; 54:734, 743, 773
lithofacies, 160B37:474, 476
petrography, 160B36:455
- Leg 11, mid-ocean-ridge basalts, 129B20:377–378
- Leg 13, trace metals, 127/128B(2)85:1361
- Leg 17, biostratigraphy, 129B11:221–228
- Leg 19, silicoflagellates, 127/128B(1)14:237
- Leg 20, biostratigraphy, 129B11:221–228
- Leg 22
geochemical stratigraphy, 123B8:186
lithostratigraphy, 123B8:186

- Leg 27
 geochemical stratigraphy, 123B8:186
 lithostratigraphy, 123B8:186; 40:760
 mineralogy, 123B41:788–789
- Leg 28
 glacial sediments, 120B(2)56:1002
 radiolarians, 120B(2)39:735, 758
- Leg 29
 glacial sediments, 120B(2)56:1002
 radiolarians, 120B(2)39:735; 40:758
- Leg 31
 biostratigraphy, 127A6:273; 127/128B(1)13:225;
 14:237; 15:250; 16:291, 297; 128A1:28; 4:162
 carbonate preservation, 127/128B(1)27:457
 consolidation tests, 127/128B(2)71:1123
 drilling history, 127A1:16; 127/128B(2)76:1197;
 128A1:5; 3:82
 Japan Sea formation age, 127/128B(2)83:1334
 lithostratigraphy, 128A1:13
 organic carbon, 127/128B(1)25:430
 site locations, 127/128B(1)10:156
 Toyama Deep-Sea Fan, 127/128B(2)73:1148
- Leg 37
 basalts, 125B34:583
 serpentinites, 125A1:11; 125B34:582
- Leg 38, glauconite, 120B(1)9:130
- Leg 42B, trace metals, 127/128B(2)85:1361
- Leg 45, serpentinites, 125A1:11; 125B34:582
- Leg 56, water-escape structures, 125A12:288
- Leg 57
 silicoflagellates, 127/128B(1)14:237
 volcanic activity, 127/128B(2)48:796
 volcanic ash layers, 127A4:95–96; 127/
 128B(2)82:1319–1320
 water-escape structures, 125A12:288
- Leg 60, tholeiites, 125B13:258, 260
- Leg 62, biostratigraphy, 129B9:193; 11:221–228
- Leg 64, basalt emplacement, 127/128B(2)83:1337
- Leg 65, downhole seismic experiment, 127/
 128B(2)68:1061; 128A3:106
- Leg 67
 downhole seismic experiment, 127/128B(2)68:1061;
 128A3:106
 en echelon sigmoidal veinlets, 125A12:285
- Leg 71, ice-rafted debris, 120B(1)16:215
- Leg 73, magnetic properties, 127/128B(2)60:949
- Leg 78, water-escape structures, 125A12:288
- Leg 78A, downhole seismic experiment, 127/
 128B(2)68:1061; 128A3:106
- Leg 78B, seismometer emplacement, 128A3:106
- Leg 80, inorganic nitrogen, 127A6:285
- Leg 82, serpentinized peridotite, 125B34:582
- Leg 86, silicoflagellates, 127/128B(1)14:237
- Leg 87
 volcanic activity, 127/128B(2)48:796
 volcanic ash layers, 127/128B(2)82:1319–1320
- Leg 88, downhole seismic experiment, 127/
 128B(2)68:1061; 128A3:106
- Leg 91, downhole seismic experiment, 127/
 128B(2)68:1061; 128A3:106
- Leg 93, sponge spicules, 120B(2)43:833; 127/
 128B(1)30:541
- Leg 104, glauconite, 120B(1)9:130
- Leg 107, serpentinized peridotite, 125B34:582
- Leg 109, serpentinized peridotite, 125B34:582
- Leg 110, chlorinity, 125A8:162
- Leg 112, microbiological studies, 128A4:178
- Leg 113
 biostratigraphy, 120B(2)29:523, 527; 39:735; 40:758;
 43:833; 127/128B(1)30:541
 ice-rafted debris, 120B(2)63:1009
- Leg 116, sea level lowstands, 123B37:694–695
- Leg 119
 biostratigraphy, 120B(2)29:523, 527; 39:735, 741
 diamictites, 120B(2)56:1010–1011
- Leg 120, sponge spicules, 127/128B(1)30:541
- Leg 122
 mineralogy, 123B41:788–789
 objectives, 123B43:801
 paleoenvironment, 123B43:808
 sea level lowstands, 123B37:694–695
- Leg 124, Zijderveld plots, 127A6:277
- Leg 125, objectives, 125A1:5, 10; 15:367–368; 125B1:3;
 19:344; 24:401–402; 28:488; 36:595–600; 38:623–
 624
- Leg 129
 core handling, 129A1:7–8
 definitions, 129A1:5
 downhole measurements, 129A1:24–26; 129B34:635
 drilling characteristics, 129A1:5–8
 explanatory notes, 129A1:5–29
 geochemistry, 129A1:18–19; 129B15:283–302;
 18:345–359; 21:405–413; 35:653
 igneous reeks, 129A1:21–24
 Jurassic, 129B32:571
 location map, 129B3:82; 5:138; 6:153; 8:180, 190;
 14:268; 15:284; 16:296; 17:305; 18:346; 21:406;
 22:416; 27:486; 28:502; 29:508; 30:531
 Lower Cretaceous, 129B32:571
 pore water, 129B14:267–281
 sedimentation history, 129B32:571
 seismic stratigraphy, 129A1:24–26
 shipboard scientific procedures, 129A1:6–8
 site description, 129A4:171–242
 site geophysics, 129A1:26–28
 track chart, 129A2:37; 3:96, 135, 153; 4:175
 visual core description, 129A1:8–13
- Leg 130
 core handling, 130A2:17–18
 description, 130A1:5–13
 drilling results, 130A10:497–537
 explanatory notes, 130A2:15–43
 objectives, 130A1:5–12
 ship track for single-channel seismic lines, 130A4:82,
 84, 87, 91–94, 96
 shipboard procedures, 130A2:15–17
 sites drilled on Ontong Java Plateau, 130A9:467
 underway geophysics, 130A4:77–97
 visual core description, 130A1:12–22
- Leg 133
 drilling objectives, 133A(1)1:28

- explanatory notes, 133A(1)2:31–58
- Leg 135
 - Lau Basin formation, 127/128B(2)58:928
 - tectonic history, 127/128B(2)83:1347
- Leg 136, drilling results, 136A1:3–8
- Leg 139, basalt emplacement, 127/128B(2)83:1337
- Leg 164, overview, 164B1:3–10
- Leg 193, coring summary, 193A1:84
- Leg 203, principal results, 203A1:9–13
- Leg 204
 - coring summary, 204A1:73–74
 - operational summary, 204A1:11–14, 75
 - site summary, 204A1:72; 204B1:37
- Leg 208, operations summary, 208A1:106
- Leg 209, coring summary, 209A1:139
- Leg 210, drilling and coring summary, 210A1:78
- Legru Bay group (Antarctica), Oligocene glacial sediments, 119B48:871
- Leif Fracture Zone (Labrador Sea)
 - geology, 105B52:960
 - location, 105A5:429
 - subsidence, 105A5:487
- Lelet limestone (Solomon Sea W), lithology, 193A1:4
- Lena Trough (Arctic Ocean)
 - continental margins, 151A1:10
 - physiography, 151B1:7–9
- Lesser Antilles arc
 - arc components, 110B4:31
 - basalt analyses, 110B4:39
 - Benioff Zone, 110B4:32
 - carbonate dissolution index, 165B17:266
 - clay minerals, 156B11:17, 20–21
 - dating, 110B4:44
 - drilling, 156A1:3–11
 - erosion, 110B4:380
 - evolution, 110B4:31
 - formation, 110B4:38
 - geologic units, 110B4:40
 - lava types, 110B4:38
 - location, 110B4:30, 32, 35; 6:95
 - magma, 110B4:40, 42; 156B28:347–349
 - physiographic pattern, 110B4:29
 - sediment strength measurements, 110B18:279–288
 - sedimentary processes, 110B4:33
 - seismic sections, 110B18:280
 - subduction, 110B4:36
 - subsidence, 110B4:37
 - time-space relationship, 110B4:39–41
 - underthrusting of Caribbean plate, 171A_A1:5–6
 - uplifts, 110B4:38
 - vein structures, 112B1:6
 - volcanic arc tephra source areas, 165B5:105
 - volcanic ash, 110A5:218–219
 - volcano composition, 110B4:38
 - See also* St. Lucia Ridge
- Levant Basin
 - bathymetry, 160A1:6–10
 - paleoceanography, 160B4:38
 - sapropel geochemistry, 160B26:311
 - tectonics, 160A1:5–6; 10:374; 160B52:703–704; 54:750–760, 767, 774–776
- Levant margin
 - Cretaceous–Paleogene interval, 160B32:412
 - geology, 160B54:729, 766–767
 - Miocene carbonates, 160B33:432–433
 - Miocene–Pliocene interval, 160B38:498
 - paleoenvironment, 160B38:500
- Levant Sea, crust, 160B54:727
- Libong Formation (Sabah), geology, 124B9:128
- Lice Formation (Turkey), tectonics, 160B54:761, 763
- Ligurian gabbros, differentiation, 176B10:26
- Ligurian Sea, circulation, 161A1:13
- Ligurian Tethys
 - crust formation, 107B1:21
 - Tyrrhenian Sea, 107B1:7
- Lima Basin (Peru margin)
 - bathymetry, 112A8:125–130
 - clastics, 112A11:165–167
 - depo-center migration, 112A5:84, 89
 - deposition, 112A5:79; 19:810–812, 833
 - erosional truncation, 112A5:78, 84
 - inner trench wall, 112A8:125–126
 - inter-ridge saddle subsidence, 112A5:81–82
 - landward ridges, 112A5:77
 - lithostratigraphy, 112A1:12, 23; 6:95
 - location, 112A5:78
 - midslope basins, 112A8:126–127
 - Miocene upwelling centers, 112A1:13
 - morphology, 112A1:9, 11; 6:91, 98
 - navigation data, 112A3:50–55; 5:79
 - Neogene, 112A1:11
 - Oligocene hiatus, 112A1:11
 - paleoshoreline, 112A7:110
 - physical properties, 112A11:188
 - Pliocene/Pleistocene boundary, 112A1:12
 - seaward ridges, 112A4:77–78
 - sediment facies, 112A1:11–12
 - sedimentation, 112A5:88
 - seismic stratigraphy, 112A3:56–57; 4:73–76; 5:77–84
 - slide blocks, 112A20:930
 - South America W, 112A8:127–128
 - stratigraphic history, 112A1:11
 - structural ridges, 112A1:13
 - subsidence history, 112A1:14; 5:78, 88–89; 18:736; 19:804
 - tectonics, 112A5:89; 6:99; 8:119; 112B7:98
 - trench axis, 112A8:125
- Lima Basin C
 - bathymetry, 112A3:45, 56; 11:161–162; 112B2:18
 - biostratigraphy, 112A11:172–178; 112B10:157–160; 14:217–218; 15:240; 16:269–270; 17:301–302
 - bottom water environment, 112B22:369–382
 - carbon, 112A11:179–180
 - carbonates, 112A11:167–168
 - carotenoids, 112B37:567–570
 - clastic lithologies, 112A10:165–166
 - clay mineralogy, 112B5:62
 - conglomeratic layer, 112A10:163–164
 - consolidation properties, 112B43:640–641, 644, 646–648
 - data, 112A11:199–201
 - deformational structures, 112A11:171–172

- depositional environment, 112A10:170–171
- diagenesis, 112A10:168–169
- drilling-induced structures, 112A11:171
- geochemical logs, 112B29:484–485
- geologic controls, 112B41:624–629
- geomicrobiology, 112A13:320
- hydraulic conductivity, 112B17:633–637
- hydrocarbon gases, 112A11:178–179; 112B31:505–525
- inorganic geochemistry, 112A12:182–184
- lithology, 112A11:162–166, 169–170, 172, 188, 192–197; 112B7:97; 9:136; 22:370–371; 28:467; 29:483
- location, 112A7:110, 112; 8:126; 11:163; 12:251; 112B2:18; 4:44; 7:96; 22:370; 25:414; 26:442; 30:492; 32:518; 33:528; 36:556; 38:575; 39:592
- magnetostratigraphy, 112A11:184–187
- Miocene unconformity, 112B6:98
- morphology, 112B25:431–432
- navigation data, 112A3:45–47
- Neogene, 112B2:18
- operations, 112A11:191
- organic matter, 112B9:135–153; 39:595–602
- organic-rich sediments, 112B43:640–641, 644, 646
- phosphatic sediments, 112B8:111–132
- physical properties, 112A11:188–189, 191, 202
- Pliocene/Quaternary boundary, 112B7:98
- pore water chemistry, 112B25:413–437
- sedimentary structures, 112A11:169–170
- seismic stratigraphy, 112A3:45–47; 11:189–191
- sorbed volatiles, 112B33:527–538
- structural logs, 112B2:22–24
- unconformities, 112A11:189–190, 197
- vein structures, 112B1:5
- vertical unconformities, 112A11:160
- water depth, 112B25:414
- well-logging, 112A11:192–194, 196–197, 205–209; 112B29:481, 483
- Lima Basin S**
 - bathymetry, 112A3:45, 56; 19:805; 112B2:18
 - bedding orientation, 112B2:19
 - biostratigraphy, 112A19:814–820; 112B10:165; 14:225–228; 15:242–243; 16:268–269; 17:307–310; 46:674
 - carbon, 112A19:821–823
 - clay mineralogy, 112B5:74
 - deformation structures, 112A19:812–813
 - depositional environment, 112A19:810–812
 - diagenesis, 112A19:808–809
 - hydrocarbon gases, 112A19:820–821; 112B31:505–525
 - inorganic geochemistry, 112A19:823–824
 - lithostratigraphy, 112A19:805–808, 832–833; 112B7:97
 - location, 112A7:110; 8:126; 19:806; 112B2:18; 4:44; 7:96; 8:112; 25:414; 26:442; 30:492; 32:518; 33:528; 36:556; 38:575
 - magnetic properties, 112A19:824–828
 - navigation data, 112A3:45, 46, 49
 - phosphatic sediments, 112B8:111–132
 - physical properties, 112A19:827–829
 - pore water chemistry, 112B25:413–437
 - seismic stratigraphy, 112A3:45–47, 68–69; 19:829–832, 835–836
 - shell beds, 112B20:343–344
 - sorbed volatiles, 112B33:527–538
 - stratigraphic column, 112B28:467
 - vein structures, 112B1:5
 - water depth, 112B25:414
- Lima Platform**
 - margin-transverse structures, 112A18:731
 - scarps, 112A19:829
 - tensional faulting, 112A19:829
- Limalok Guyot (Marshall Islands)**
 - bathymetry, 144A3:46–47
 - biostratigraphy, 144B1:8, 14–15; 2:26, 28–32; 6:127–139
 - carbonates, 144B43:737–743; 47:819–840
 - demagnetization of volcanics, 144B34:586–587
 - depositional history, 144B12:233–253
 - flexure modeling of atoll and guyot pairs, 144B33:583
 - geology, 144B33:568
 - guyots, 144B52:919–920, 927–928; 53:939–943
 - hardgrounds, 144B5:99, 101, 112
 - isotopes, 144B20:401–410; 58:997–999
 - lavas, 144B29:496–497; 30:519–521
 - limestone petrography, 144B23:429–437
 - Oligocene–Neogene interval, 144B21:411–417
 - Pacific Ocean NW, 144A3:41–103
 - physiography, 144B33:566–573, 576
 - sedimentation and biostratigraphy, 144B42:694–697
 - site description, 144A3:41–103
 - stratigraphy, 144B41:675–677; 49:873–8775
 - transgressive phase, 144B51:896–898
- Liman Current**
 - cold surface water, 127/128B(1)26:440; 27:457
 - Japan Sea, 127/128B(1)5:70; 128A1:20–21
 - oceanography, 127/128B(1)20:342; 25:423
- Limassol forest ophiolite (Cyprus)**
 - lithofacies, 160B43:558; 54:743
 - Miocene, 160B51:690
 - sources, 160B36:455
- Limimteveyamim suite (Pacific Ocean NW), carbonate concretions, 145B12:201**
- Limon Basin (Costa Rica)**
 - plate boundary, 170A1:7
 - volcanic provenance, 165A4:184
- Lindenkohl Canyon (New Jersey coastal plain)**
 - sediments, 150A1:8
 - strontium isotope stratigraphy, 150B6:108–109
 - submarine canyons, 150B15:292
- Line Islands (Pacific Ocean equatorial), limestone, 144B48:842–843**
- Line Islands-Line Cross trend, stage poles, 144B35:609**
- Lingayen Gulf (South China Sea)**
 - bathymetry, 124E_A13:79
 - biostratigraphy, 124E_A13:78
 - geophysics, 124E_A13:76
 - geotechnical stratigraphy, 124E_A13:81–83, 89
 - lithostratigraphy, 124E_A13:76, 78
 - location, 124E_A13:77
 - magnetic properties, 124E_A13:78, 82–83

- physical properties, 124E_A13:78, 80–81, 83–88
 pore water chemistry, 124E_A13:81
 seismic stratigraphy, 124E_A13:81–83
 well-logging tool tests, 124E_A17:105–109
- Lingzizong Formation (Tibet), Paleocene magnetic properties, 121B39:816
- Linosa Graben (Sicily), tectonics, 160A4:73
- Lipari (Italy), obsidian, 152B7:85–91
- Liquine-Ofqui fault (Chile S)
 collisions, 141B13:185
 sedimentation, 141B31:393–395
 triple junctions, 141A3:26–27, 29
- Lisboa Canyon, continental margin, 149B1:4, 6
- Lisbon, geology, 103B42:760
- Little Bahama Bank
 aragonite and magnesian calcite increase, 101A6:126
 bathymetry, 101B26:393–394
 biostratigraphy, 124B25:351; 130B9:113–136
 bottom currents, 101B19:273–274
 carbonates, 101A6:140–141; 7:225, 228; 8:280, 287;
 101B19:263–277; 20:288–289; 29:465
 debris flows, 101B29:460–461, 469
 deepwater environment, 101A6:126
 evolution, 101B19:263, 276–277
 gamma rays, 101A6:152
 geotechnical properties, 101B22:315–326
 gravity flows, 101A6:125–126; 101B12:187–188
 Leg 101 summary, 101B29:457–460, 462–463
 lithology, 101A6:116–125; 7:214–216; 8:273–274;
 101B20:287
 magnetostratigraphy, 101B23:330–332; 26:394, 400
 mineralogy, 101B24:364–365
 Miocene faulting, 101B19:275
 paleomagnetism, 101A6:135–137
 platforms, 101B13:193–201; 166A1:6
 pore water chemistry, 101B24:364–365
 Rock-Eval pyrolysis data, 101A6:131, 135
 sediments, 101A6:120, 121; 101B21:313–314; 26:396,
 398–399
 sedimentology summary, 101A7:213–220; 8:272–277
 seismic stratigraphy, 101A6:143–145, 149–151;
 101B26:391, 394–395, 398, 402–403
 sequence boundaries, 101A8:295–296
 structure, 101B26:396
 turbidites, 101B14:203–212
 well-logging data, 101A6:141–143
See also Great Bahama Bank; Little Isaac 1 Well
- Little Barrier Reef (Great Australian Bight)
 lower middle Miocene, 182A1:4
 seismic Sequence 6B, 182A2:6–8
- Little Isaac 1 well (Bahamas), paleogeography,
 101B27:433, 435
- Livello Bonarelli (Apennines N), clays, 103B35:587
- Liyue Bank (South China Sea), sediments, 184A1:7–8
- Lizard Island (Great Barrier Reef), foraminifers,
 133B26:366
- Lizard Point (Galicia margin)
 peridotite mineral composition, 103B17:267
 plagioclase composition, 103B17:254–255
- Lizard Springs Formation, Trinidad, 124B12:174
- Llanos de la Paz Formation (Canary Islands), geochronology, 157B11:137
- Lo-En Guyot (Pacific Ocean W), 144A4:105–144
 basalt alteration, 144B28:475–477, 483–485
 bathymetry, 144A4:111
 biostratigraphy, 144B1:8–9, 16–17; 2:26–27, 32–38;
 8:157–158; 42:694–697
 carbonate and pore water geochemistry, 144B43:737–
 743
 Cenozoic stratigraphy, 144B41:676, 678–679
 demagnetization of volcanics, 144B33:587–588
 flexure modeling of atoll and guyot pairs, 144B33:583
 guyots, 144B52:920, 922–925, 928; 53:939, 941–943
 hardgrounds, 144B5:101, 104, 112–113
 isotopes, 144B58:997–999
 lavas, 144B29:497–498; 30:519, 521–522
 Oligocene–Neogene interval, 144B21:411–417
 physiography, 144B33:566–576
 radiometric ages, 144B32:547, 551
 site description, 144A4:105–144
 stratigraphic synthesis, 144B49:874, 876
 transgressive phase, 144B51:898
- Lobito (Angola), sediments, 175A16:489; 175B(synthe-
 sis):20–23
- Locker Shale Formation, Australian NW margin,
 123B37:683
- Lodin Elv Formation (Greenland E), foraminifers,
 151B10:191
- Lofoten Basin (Norwegian Sea)
 hydrographic structures, 104B52:1075
 location, 104B6:191–192; 17:338–398; 31:589
 magnetic anomalies, 104A1:15
 mid-ocean-ridge spreading axis, 151A1:6–9
 physiography, 151A1:7, 10–11; 151B1:7–9
- Lofoten Fracture Zone
 location, 104B1:10
 structural features, 104B51:1035
- Lofoten-Vesterålen shelf
 faults, 104A1:13–14
 formation, 104A1:13
- Lomonosov Ridge (Arctic Ocean)
 physiography, 151B1:6–9
 plate tectonics, 151A1:14–16
- Londonderry arch (Australia NW), location, 123B37:689
- Long Island (Bahamas), sediments, 101B27:426
- Longford transgression (Great Australian Bight), bio-
 stratigraphic datums, 182B3:17
- Loop Current. *See* Caribbean/Loop Current system
- Lord Howe Rise (Tasman Sea)
 clay, 133B5:53; 30:467–470
 laminations, 115A5:240; 7:465
 paleoclimatology, 189A1:34–35
 pore water chemistry, 115B34:642
 post-middle Miocene volcanic supply, 181B1:48
 sedimentary structures, 130B27:453
 strontium, 113B11:154
 tectonics, 135A(1):13–14; 11:582; 135B55:880;
 189B1:6
- Lord Howe seamounts, hotspot computer models,
 130B43:700
- Los Castaños (Spain), sills, 161B43:547–548

- Los Chocoyos eruption (Guatemala), volcanic provenance, 165A4:183
- Los Listos Formation (Gran Canaria), geochronology, 157B11:137
- Louisville hotspot (Pacific Ocean S)
basalts, 192A1:29
igneous provinces, 192B1:3–4
oceanic plateaus, 130B1:19–20
paleomagnetism, 130B4:56–57
- Louisville Ridge
basalt geochemistry, 115B1:8
formation of stationary mantle plumes, 115B5:53
lava geochemistry, 121A15:528–529
sedimentation, 135B53:854–855
side-scan sonar, 135B23:373–382
tectonics, 135B20:313, 326–328
- Louisville seamount chain (Pacific Ocean SW)
currents, 181A1:5
hotspot computer model, 130B43:701
structural provinces, 135A(1)1:11
subduction, 135B12:178, 187
tectonics, 135B11:170
- Loulé fault (Portugal)
maps, 149B1:5
plate tectonics, 149B1:4
- lower alteration zone (Solomon Islands), pillow margins, 192A5:16–17
- lower basalt series (Greenland SE)
age, 152B40:486
magnetostratigraphy, 152B41:511
stratigraphy, 152B41:508–509; 41:522
See also middle series
- Lower Circumpolar Deep Water
carbonates, 154B12:189, 194
paleoceanography, 154B16:239–240, 249, 251
paleoenvironment, 181A7:26
- Lower Congo Basin. *See* Congo Basin, Lower
- Lower Englishtown Formation (New Jersey coastal plain), lithology, 174AXS_A1:24–25; 6:34
- Lower Fataga Formation
geochronology, 157B11:133–134, 136
See also Fataga Formation
- lower levee complex (Amazon Fan)
correlation, 155B39:599–600
electron microprobe data, 155B7:148–150
fabric, 155B27:449–450
lithofacies, 155B2:27
trace elements, 155A12:350
See also bottom levee complex; middle levee complex; upper levee complex
- lower Mogan Formation
geochronology, 157B11:129, 131, 137
volcaniclastic units, 157B15:226–227
- lower Shark River Formation
lithologic units, 174AXS_A2:31–33; 5:25–27
photograph, 174AXS_A6:75
stratigraphy summary, 174AXS_A6:6
See also Shark River Formation
- lower Shikoku Basin facies (Japan)
lithologic units, 190A4:7–8; 5:9; 8:5; 190/196B12:3
physical properties, 190A1:33
sedimenticlastic sandstone, 190/196B3:9–12
lower Shikoku turbidite facies, lithologic units, 190A8:5–7
- Loyalty Basin
petrology, 134B17:353, 356–357
plate reconstructions, 130B43:705–706
See also South Loyalty Basin
- Lüderitz Bay (Namibia)
age models, 175B(synthesis):66
lipids, 175B10:1–34
paleoceanography, 175A17:509
productivity, 175B(synthesis):30–35
sedimentation rates, 175B(synthesis):12–14
sediments, 175A16:489
upwelling, 175A1:17
- Lüderitz boundary, upwelling system, 175A12:342
- Lújar-Gador group (Alboran Domain), lithostratigraphy, 161B23:308
- Luluai volcanics (Woodlark Basin)
correlation, 180B1:7
mid-ocean-ridge basalt, 180B1:13
ophiolites, 180B1:3
tholeiites, 180B(synthesis):6
- Lusancay-Trobriand-Woodlark Islands (Woodlark Basin), tectonics, 180B(synthesis):4
- Lusitanian Basin (Portugal)
Cretaceous, 103A9:240; 103B42:767–769, 771
extensional tectonics, 149B40:636–645
Galicia margin, 103B2:18; 39:706–707; 42:758–759
Jurassic, 103B42:761–763
magmatic rocks, 103B42:767–770
Mesozoic, 103B42:757, 760, 762
plate tectonics, 149B25:439
Portlandian, 103B42:767, 770–771
rifting, 103B2:30; 42:770–772; 149B1:9–11; 173A1:8–12; 210A1:4–6; 210B1:6
sand, 149B11:274
sandstone, 103B30:510
tectonic units, 149B1:9
thin-skin tectonics, 149B1:13–15
Triassic red sedimentary rocks, 103A1:9
- Luzon arc (South China Sea), tectonics, 184A1:4
- Luzon Strait (Site 773)
diamond coring system, 124E_A14:93, 95
geophysics, 124E_A14:94
lithostratigraphy, 124E_A14:94
location, 124E_A14:92
seismic stratigraphy, 124E_A14:94
- Luzon Strait (Site 774)
geophysics, 124E_A15:99
location, 124E_A15:98
seismic stratigraphy, 124E_A15:99–100
- Luzon Strait (Site 775)
geophysics, 124E_A16:103
lithostratigraphy, 124E_A16:103
location, 124E_A16:102
seismic stratigraphy, 124E_A16:104
- Lycian Nappes (Turkey S)
carbonate platforms, 160B54:741
tectonics, 160B54:750

Lyra Basin (Ontong Java Plateau), volcanic oceanic plateaus, 192A1:4–6

M

Macauley Island (Kermadec Ridge), geochemistry, 135B24:393

Macdonald hotspot (Austral Islands)
geochemistry, 144B31:541
radiometric ages, 144B53:940
stage poles, 144B35:607, 609, 611–612

Madagascar Basin
kaolinite source, 118B7:147
quartz source, 118B7:147

Madagascar Island, hotspot activity and flood basalt volcanism, 115B1:7

Madagascar Rise
hotspot activity, 115B1:7
See also Marion-Madagascar Rise

Madagascar/Seychelles/Greater India, 120B(2)50:920–922

Madeira Abyssal Plain
turbidites, 123B5:129; 124A8:111; 149B12:289; 45:701
See also Charis Fracture Zone; Cruiser Fracture Zone; Cruiser turbidite; Great Meteor Seamount

Madeira-Tore Rise
bathymetry, 149B1:6
continental margin, 149B1:4
plate tectonics, 149B1:4

Madingley Rise (Indian Ocean W)
age models, 115B25:469–470
basement description and classification, 115A2:37–38
bathymetry, 115A3:46; 4:127; 7:460, 463, 502; 8:590, 592, 626; 115B2:12; 37:680
between-hole correlation, 115A8:594
biostratigraphy, 115A1:8; 2:26–32; 7:467–474; 8:597–602; 115B14:131, 135, 138, 141, 144–150, 152–153; 15:175–186, 188–189, 225–235; 16:237–250; 18:271–275; 19:288–289, 291, 294–299; 20:317–318, 322–345, 358–360, 362–363, 374–376; 22:397–399, 401–402, 403–405; 23:415, 417, 419, 421–425; 24:433–440; 27:519–524; 32:611; 45:795–836
carbon isotope stratigraphy, 121B11:243, 246, 250
carbonate cerium anomalies, 115B39:709–713
carbonate-free sediments, 115B37:678, 685
Cenozoic carbonate accumulation, 115B25:467–507
color changes, 115A8:593–594
core handling, 115A2:18–20
depositional setting, 115A7:461–462
geochemistry, 115A2:35–36; 7:479–481; 8:609
lithostratigraphy, 115A1:8; 7:459, 465–466; 8:589, 593–597; 115B37:678
lithotypes, 115B37:682
location, 115A8:589, 591; 115B25:468; 34:630; 37:678–679; 41:738
magnetic properties, 115A7:474–478; 8:602–609; 115B40:726, 728; 41:723, 739–768
magnetostratigraphy, 115A2:32–35; 115B18:271–275; 40:725–728; 121B11:242
mineralogy, 115A8:609; 115B25:481

navigation data, 115A3:43, 45, 64, 68, 86–122
Neogene, 115B25:505–506
Oligocene/Miocene boundary, 121B11:248–249
oxygen isotope stratigraphy, 115B28:530–535; 121B11:243, 246–247
Paleogene, 115B25:506–507
paleolatitude, 115B40:734–735
physical properties, 115A2:38–39; 7:481–489, 491–492; 8:609–613, 619; 115B42:776–777
Pliocene–Pleistocene interval, 115B25:505
pore water chemistry, 115B34:630–634
reflection profiling, 115A3:43–45, 65–67, 69
residual depth anomaly, 115B13:126
sediment core description, 115A2:20–25
sedimentary sequence, 115B25:469–470
seismic stratigraphy, 115A7:489; 8:613
stable isotopes, 115B36:661–674
stratigraphic summary, 115A7:461; 8:590
turbidites, 115A6:406
well-logging, 115A2:39–40
See also Site 709; Site 710

Maewo group (Vanuatu), correlation, 134B26:471

Maewo Island (Vanuatu)
basalts, 134A12:413–414
crust, 134B31:560–562
horsts, 134A1:13
lava, 134B19:388–390
lithostratigraphy, 134B4:59–60
principal stratigraphic units, 134A12:391
sedimentary basins, 134B2:35
subsidence, 134A3:38–39
tectonics, 134B2:23–24
uplifts, 134A3:33; 134B26:471
See also Nasawa Formation; Sighetara group; Tafwut-muto group

Magellan flexural moat
East Mariana Basin, 129B31:560
seismic stratigraphy, 129B31:566

Magellan Rise
Berriasian–Barremian interval, 129B32:599
biostratigraphy, 129B11:221
carbonate accumulation rates, 121B23:466
Cretaceous, 121B44:940

Magellan Seamount
sediments, 129B31:568
Upper Cretaceous–Holocene carbonate turbidites, 129B31:565
upper opaque layer, 129B31:560
See also Mai Tai Guyot

Magnaghi-Vavilov Basin
bathymetry, 107A2:10
isopach features, 107A2:29
seismic stratigraphy, 107B38:621

Magnaghi Volcano (Tyrrhenian Sea)
age, 107B1:25; 38:634; 44:721
bathyal plains, 107B38:621
morphology, 107A2:9
Pliocene eruption, 107B1:15

Mago volcanic group (Lau Basin), geochemistry, 135B24:393

Mahakam Delta (Indonesia), turbidites, 124B32:443–444

- Mahanadi Basin (Indonesia), siltstone, Cretaceous, 119B4:60
- Mahanadi Rift Graben (Indonesia), deposition, 119B1:21
- Mahanadi Valley (Indonesia), geology, 119A1:9
- Mahé Island (Seychelles), location, 115B12:119
- Mai Tai Guyot (Magellan Seamount), upper opaque layer, 129B31:560
- Makatea Island (Southern Cook Islands), uplifts, 144B16:328
- Malaita Island (Solomon Islands)
 basalts, 130B1:19–20
 kimberlite, 103B14:229
- Malakula (Vanuatu)
 arc slopes, 134A2:28
 basins, 134A1:13
 Neogene, 134A3:35
 petrology, 134B16:337, 343–344; 17:353
 sedimentation, 134A1:15–16
 tectonics, 134B2:23
 topographic profile, 134A3:37
 uplifts, 134A3:33
See also Wintua Formation
- Malaspina Glacier (Alaska SE), ice-flow geometry, 119B5:71
- Malaysia. *See* Kudat Peninsula
- Maldivé Islands
 aragonite cycles, 101B1:22; 115B29:540
 hotspot activity, 115A1:5–6
 periplatforms, 101B16:235; 115A11:849
See also Chagos-Maldives-Laccadive Ridge; Mascarene-Chagos-Maldives-Laccadive volcanic lineament
- Maldives-Laccadive-Chagos-Mascarene Ridge, paleolatitude, 115A12:927
- Maldives-Laccadive Ridge, formation, 115B4:43
- Maldives Ridge (Site 714)
 basement, 115A2:37–38; 115B4:43–50
 bathymetry, 115A1:6; 3:46; 4:127; 11:848, 875; 115B2:12
 biostratigraphy, 115A1:9; 2:26–32; 11:852–856; 115B14:140–141, 144; 15:175–184, 199, 201, 203–204, 206; 16:237–250; 19:291–292, 304–307; 20:317–318, 322–345, 352–356; 21:386–387; 22:403–405; 23:425–430; 24:433–440; 31:589–604; 45:795–836
 carbonate accumulation, 115B25:467–507
 carbonate cerium anomalies, 115B39:709–713
 chronology, 115B29:547
 core handling, 115A2:18–20
 geochemistry, 115A2:35–36; 11:857–859
 lithology, 115A1:9; 11:847, 849–852
 location, 115A11:847; 115B25:468–469; 34:630; 41:738
 magnetic properties, 115A11:856–857; 115B40:731; 41:739–768
 magnetostratigraphy, 115A2:32–35
 mineralogy, 115A11:858
 Miocene–Pleistocene, 115A11:847, 849–850; 115B25:469
 navigation data, 115A3:43, 45, 77, 86–122
 Neogene age model, 115B25:507
 physical properties, 115A2:38–39; 11:859–860
 pore water chemistry, 115B34:630–634
 sediment core description, 115A2:20–25
 sedimentary sequence, 115B29:541
 seismic stratigraphy, 115A3:43–45, 78–82; 11:860
 stratigraphic summary, 115A11:849
 well-logging, 115A2:39–40
- Maldives Ridge (Site 715)
 basalts, 115B2:19–20; 3:33, 39; 5:53–60; 6:63–68; 7:71–83; 9:93–100; 10:103–105
 basement, 115A2:37–38; 12:928, 930–937; 115B11:111
 bathymetry, 115A3:46; 4:127; 12:917, 943; 115B2:12; 6:64; 11:111
 biostratigraphy, 115A1:9; 2:26–32; 12:922–925; 115B14:140–141, 144; 15:175–184, 201–204, 206; 16:237–250; 20:317–318, 322–345; 21:381–386; 23:417, 419, 421–430; 24:433–440; 45:795–836
 carbonate cerium anomalies, 115B39:709–713
 core handling, 115A2:18–20
 geochemical logs, 115A12:942, 944–945
 geochemistry, 115A2:35–36; 12:928
 geologic column, 115A12:918
 hotspot activity, 115B1:7
 lithostratigraphy, 115A1:9; 12:917–918, 921–922, 945, 948
 location, 115A12:917, 920; 115B3:24; 7:72; 9:93; 34:630; 41:738
 magnetic properties, 115A12:925–928; 115B40:731; 41:739–768
 magnetostratigraphy, 115A2:32–35
 major and trace elements, 115B2:18–19
 mineralogy, 115B3:42
 Miocene–Pleistocene hiatus, 115A12:922, 928
 navigation data, 115A3:43, 45, 77, 86–122
 paleogeographic reconstruction, 115B1:6
 paleolatitude, 115B1:7–8; 11:115–116
 physical properties, 115A2:38–39; 12:936–937, 939–941
 pore water chemistry, 115B34:630–634
 reef carbonates, 115A12:940, 944
 reflection profiling, 115A3:43–45, 78–82
 sediment core description, 115A2:20–25
 seismic stratigraphy, 115A12:937–938
 stratigraphic hiatus, 115A12:917
 subsidence history, 115B13:123–126
 summary log, 115A12:947–948
 well-logging, 115A2:39–40; 12:938–945
- Maldives Ridge (Site 716)
 basement description and classification, 115A2:37–38
 bathymetry, 115A3:46; 4:127; 13:1006, 1017; 115B2:12
 biostratigraphy, 115A1:9; 2:26–32; 13:1008–1011; 115B14:131–132, 141, 144; 15:175–184, 206; 16:248; 20:317–318, 322–345; 23:417, 419, 421–430; 30:579–588; 45:795–836
 carbonate cerium anomalies, 115B39:709–713
 depositional environment, 115B30:580
 geochemistry, 115A2:35–36; 13:1012–1013
 lithostratigraphy, 115A1:9; 13:1005, 1008; 115B35:647

- location, 115A13:1005; 115B30:579; 34:630; 35:647–648; 41:738
- magnetic properties, 115A13:1011–1012; 115B40:733–734; 41:739–768
- magnetostratigraphy, 115A2:32–35
- mineralogy, 115A13:1013
- navigation data, 115A3:43, 45, 83, 86–122
- oxygen isotope stage boundaries, 115B29:549
- periplatform carbonate sediments, 115B35:647–658
- physical properties, 115A2:38–39; 13:1013–1016
- Pleistocene chronology, 115B29:547, 549–550
- Pliocene–Pleistocene chronology, 115B29:550–551
- pore water chemistry, 115B34:630–634
- sediment core description, 115A2:20–25
- sedimentary sequence, 115B29:541
- seismic stratigraphy, 115A3:43–45, 83; 13:1016
- stratigraphic summary, 115A13:1006
- well-logging, 115A2:39–40
- Malita Graben (Bonaparte Basin), geology, 123B37:689
- Malta Escarpment, rejuvenation, 107B38:726
- Malua Formation (New Hebrides island arc), Neogene, 134A3:35
- Malvinas plate, tectonics, 114A2:23; 5:117; 6:153, 193; 7:304; 12:798; 114B2:37
- Mamiya Strait (Japan Sea)
 depth, 127/128B(1)26:440; 27:457
 Japan Sea, 127/128B(1)21:362–363
- Mancos shale (Colorado Plateau), smectite, 124B31:421
- Mangaia (Cook Islands), geochemistry, 143B16:274
- Mangatolu triple junction (Lau Basin)
 morphotectonics, 135A(1)5:184–185
 petrology, 135B25:439–441
- Manihiki Plateau (Pacific Ocean W Equatorial), oceanic plateaus, 130B1:14, 18
- Manihiki Rise (Pacific Ocean W Equatorial)
 basement age, 121A13:465
 carbonate accumulation rate, 121B23:466
 constructional volcanism, 121B44:933
 Cretaceous, 121B44:940
- Manop Site C (Pacific Ocean E Equatorial), iridium accumulation rate, 119B47:855
- Manus Basin (Papua New Guinea)
 plate circuits, 130B43:698–700
See also Pual Ridge
- Manus Trench (Papua New Guinea), plate circuits, 130B43:698–700
- Maquiang volcanics (Tibet), formation factors, 121B39:824
- Marcus Island (Pacific Ocean W), biostratigraphy, 129B13:247–264
- Marcus-Wake seamounts (Pacific Ocean W)
 geochemistry, 144B31:541
 sediments, 129B31:568
- Mariana arc
 bathymetry, 125B1:7; 19:345; 36:596
 geological setting, 125B26:432; 30:519–521; 38:628
 lead-lead plots of arc volcanic rocks, 127/128B(2)49:808
 rifting, 126B38:557
 sediment contamination of mantle source, 127/128B(2)49:805, 812
- strontium isotopes vs. neodymium isotopes, 127/128B(2)49:809
- volcanism, 126B30:463, 648
- Mariana backarc basin
 backarc spreading, 126A1:5
 opening, 125B36:593, 595
 seafloor spreading, 125A1:5; 125B1:13
- Mariana Basin
 biostratigraphy, 129B9:189–201; 130B48:801–809
 geochemistry, 129B15:283–294; 18:345–359; 21:405–413
 geochronology, 129B20:389–404
 mineral chemistry, 129B17:305–343
 paleomagnetism, 129B23:431–446
 tuffs, 129B4:119–135
 volcanoclastics, 129B5:137–152
See also East Mariana Basin
- Mariana Basin Central
 biostratigraphy, 129B8:179–187
 site description, 129A4:171–242
 tuffs, 129B4:119–135
- Mariana Basin E
 geophysics, 124E_A18:118–121
 geotechnical stratigraphy, 124E_A18:132–133
 lithostratigraphy, 124E_A18:122–123
 location, 124E_A18:114
 magnetic properties, 124E_A18:123–129
 physical properties, 124E_A18:130–132
 pore water chemistry, 124E_A18:124
 sedimentation rates, 124E_A18:130
 seismic stratigraphy, 124E_A18:118–121
 stratigraphy, 124E_A18:115–116
- Mariana-Bonin forearc, geochemistry, 135B38:632
- Mariana forearc
 basement, 125A1:6–10; 125B16:293; 38:624
 bathymetry, 125A4:71; 125B16:295
 block diagram, 125A20:369
 boninite genesis, 125B38:650–652
 deformation, 125B1:3
 diapirism, 125B36:611
 Eocene–Oligocene geology, 125B38:628
 evolution, 125A2:5; 4:69, 71; 125B24:407–408; 36:593, 595; 126A1:5–6, 8
 fluid flux, 125A4:78–79
 geological setting, 125A15:367; 125B17:309
 igneous geochemistry, 125B9:154–157, 162, 167
 metamorphism, 125A4:77
 mid-ocean-ridge basalt-like rock, 125B24:407–410
 Miocene sill, 125B11:207–208
 mud, 125B17:313–320; 21:370
 northward drift, 125B1:8
 organic geochemistry, 135B44:709
 outer arc high, 125B30:520
 plate rotation, 125A10:200
 pore water, 125B21:373
 regional setting, 125B13:238
 seamounts, 125A1:6, 12; 4:79
 seismic reflection profiling, 125B1:6; 30:521
 serpentines, 125A1:6, 12; 4:71; 125B17:313–320; 36:612

- tectonic setting, 125A15:367; 125B16:293–294;
 24:402
 terranes, 125A1:5
 thermal history, 125B26:440
 volcanism, 125B1:6
See also Alutom Formation; Facpi Formation; “Frankenstein” veins; Wayne seamount platform
- Mariana Island arc. *See* Esmerelda Bank
- Mariana Islands
 magnetic declination anomalies, 126B24:353
See also Izu-Bonin-Mariana region; Magellan flexural moat; Pacman Seamount; Ruby Seamount; Saipan
- Mariana/Izu-Bonin convergent margins, geologic setting, 125B36:593, 595
- Mariana Ridge, Eocene–Oligocene geology, 125B38:627–628
- Mariana Trench
 crust, 135A(1)11:579, 581
 geology, 129B32:600
 leucocratic plutonic rocks, 126B42:630
 vein structures, 112B1:6, 8
- Mariana Trough
 backarc basin basalts, 124B20:278
 basement isotopic composition, 127/128B(2)49:807
 boninites, 125B15:286
 lava flows, 127/128B(2)54:874, 882
 lead isotopes, 125B13:258
 lead-lead plots of arc volcanic rocks, 127/128B(2)49:808
 location, 124E_A17:106
 well-logs, 124E_A17:108–109
- Mariana Trough N. *See* Fukujin Seamount
- Marie Celeste Fracture Zone (Indian Ocean Central), geochemistry, 118B7:148
- Marin Headlands Terrane (Franciscan Complex), radiolarians, 123B39:744
- Marine Plain (Vestfold Hills), glaciation, 120B(1)14:216
- Marino Formation (North Aoba Basin)
 Cenozoic, 134B2:23–24
 correlation, 134B26:471
- Marion hotspot, predicted path, 121B26:516
- Marion Island (Indian Ocean)
 flood basalt volcanism, 115B1:7
 hotspot activity, 115B1:7
- Marion-Madagascar Rise, hotspot activity, 115B1:5
- Marion Plateau
 biostratigraphy, 133B3:39–49
 carbonate platforms, 133B29:455–460; 34:499–512
 continental margin, 133B17:239
 cross sections, 133A(1)8:245
 evolution, 133A(1)1:22, 25; 133B52:764
 geochemistry, 133B48:706–711
 paleobathymetry, 133B6:92
 paleoceanography, 133B33:489–498
 paleodepth, 133B11:157
 schematic cross section, 133A(1)1:19, 23
 sedimentation, 133A(1)1:5–30
 seismic sections, 133A(1)1:26
 site description, 133A(1)9:301–343
- Maritime Province (Japan Sea), sea ice, 127/128B(1)10:167
- MARK area. *See* Mid-Atlantic Ridge at Kane area
- Marpo limestone (Indian Ocean), erosion, Ninetyeast Ridge Eocene unconformity comparison, 121B39:819
- Marquesas hotspot (French Polynesia)
 geochemistry, 144B31:541
 stage poles, 144B35:609
- Marquesas Islands. *See* Ua Huka
- Marshall Islands (Pacific Ocean W)
 atolls, 144B14:271–294
 bathymetry, 144A1:4
 Cenozoic stratigraphy, 144B41:675–680
 Cretaceous hotspot tracks, 144B35:605–613
 geochemistry, 144B31:540–541
 geologic history, 144B45:769–787
 guyots, 144B33:561–583; 53:938–942
 lava, 129B20:394
 limestone petrography, 144B23:429–437
 mass accumulation rates, 144B54:953–971
 sedimentation and biostratigraphy, 144B42:694–697
 site description, 144A4:105–144; 5:145–201
See also Limalok Guyot; Miami Seamount; Mili atoll; MIT Guyot; Ogasawara Fracture Zone; Ogasawara Islands; Ogasawara Seamount; Ralik chain; Ratak-Marcus-Wake chain; Ujlan-Anewetak group; Ujlan atoll; Wodejebato Guyot; Wodejebato/Pikinni apron
- Marsili Basin (Mediterranean Sea Central)
 acoustic units, 107B38:626
 active volcanoes, 107A6:137
 age, 107B38:722
 basalts, 107B38:722
 bathymetry, 107A5:92; 6:130; 107B9:130; 10:142; 17:256; 38:618; 44:717
 biomagnetostratigraphic correlation, 107B40:670–671
 biostratigraphy, 107A6:148–152; 107B17:282–283
 chronostratigraphy, 107B22:359
 crust evolution, 107A1:5
 extension direction, 107B1:26
 formation, 107B1:17
 geochemistry, 107A6:155–158; 107B19:310
 geologic evolution, 107B4:50–51; 9:129–130, 131
 glacial–interglacial cycles, 107A6:168
 interbedded lava flows, 107B38:622
 lithologic units, 107A6:129, 140–141; 107B1:6; 17:255
 lithostratigraphy, 107A6:132–133; 107B9:131, 140; 17:256–257
 location, 107A5:92; 6:130, 134; 107B1:5; 2:30; 3:38; 4:50; 8:114; 18:293; 20:324; 31:496; 35:580; 36:592; 39:640; 40:670
 magmatic differentiation, 107B38:634
 magmatic episodes, 107B38:626
 magnetic properties, 107B8:114–122
 magnetostratigraphy, 107B21:336–337
 magnetozone boundaries, 107A6:141
 morphology, 107A2:9; 6:131
 navigation data, 107A5:90

- opening rate, 107B1:26
- physical properties, 107A6:153–156
- Pleistocene, 107B44:724, 726
- Pliocene–Pleistocene deposition, 107B39:655
- pore water chemistry, 107A6:157–158, 163, 164
- rifting, 107B38:723
- sediment transport, 107A6:141
- sedimentary instability, 107A6:144–145, 147
- sedimentary layers, 107B17:258–259, 263, 265–267, 270–281; 38:621
- seismic stratigraphy, 107A2:19, 21–22, 32; 5:93–97; 107B38:627
- subsidence, 107B44:722
- tephrochronology, 107A2:11
- thinning, 107B38:621
- Vavilov Basin and remnant arc, 107B1:25
- volcanogenic sediment origin, 107B19:316
- Marsili Seamount
 - basalts, 107A6:166
 - morphology, 107A2:9
 - seismic stratigraphy, 107A2:32
- Marsili Volcano
 - age, 107B38:634
 - Pleistocene eruptions, 107B1:16
- Martinique. *See* Mount Pelée
- Maryland, correlation, 150X_B11:141–142
- Masbate (Philippine Islands)
 - magmatism, 124B23:326, 329
 - volcanism, 124B23:336–337
- Mascarene-Chagos-Laccadive volcanic lineament, formation, 115A4:128–129
- Mascarene-Chagos-Maldives-Laccadive volcanic lineament, Indian subcontinent activity, 115A10:735
- Mascarene Islands
 - bathymetry, 115A1:11
 - formation, 115B4:43–44
 - hotspot activity, 115A1:5, 7–9; 115B1:3
 - location, 115A1:7
 - See also* Cargados Carajos; Rodrigues Island; Saya de Malha Bank
- Mascarene Plateau
 - age models, 115B25:469
 - basalts, 115B2:13, 20; 3:30, 35–36, 39; 5:53–60; 6:63–68; 7:71–83; 9:93–100; 10:103–105
 - basement, 115A2:37–38; 5:271–272; 115B4:43–50; 11:111
 - bathymetry, 115A1:6, 10; 3:46; 4:127; 5:234, 238, 283; 115B2:12; 6:64; 11:111; 37:680
 - biostratigraphy, 115A1:8; 2:26–32; 5:244–252; 115B14:131–132, 134, 136–145; 15:175–185; 16:237–250; 19:280, 283–288; 20:317–318, 322–345, 370–372; 22:396, 401, 403–405; 23:413–415, 417, 419, 421–430; 24:433–440; 45:795–836
 - carbonate bank and reef deposits, 115B1:4
 - carbonate cerium anomalies, 115B39:709–713
 - carbonate-free sediments, 115B37:678, 685
 - Cenozoic carbonate accumulation, 115B25:467–507
 - condensed sequences, 115A5:236
 - core handling, 115A2:18–20
 - depositional setting, 115A5:244
 - eruptive history, 115B2:18
 - flood basalt volcanism, 115B5:53
 - geochemical logs, 115A5:274
 - geochemistry, 115A2:35–36; 5:259–260
 - geologic column, 115A1:5; 5:235
 - hotspot activity, 115B1:3
 - lithology, 115A1:8; 5:235, 240–244; 115B37:678
 - lithoporosity logs, 115A5:274
 - lithotypes, 115B37:681
 - location, 115A5:233–235; 115B3:24; 7:72; 9:93; 25:468; 34:630; 37:678–679; 41:738
 - magnetic properties, 115A5:252–259; 115B40:723; 41:739–768
 - magnetostratigraphy, 115A2:32–35
 - mineralogy, 115A5:260; 115B3:42; 9:95
 - morphology, 115B4:45
 - navigation data, 115A3:43, 45, 53, 86–122
 - Neogene, 115B25:505
 - origin, 115A4:126; 115B4:43
 - Paleogene, 115B25:506–507
 - paleogeographic reconstruction, 115B1:6
 - paleolatitude, 115A12:928; 115B1:7–8; 11:115–116
 - physical properties, 115A2:38–39; 5:265–266, 268–271, 273–275
 - pore water chemistry, 115B34:630–634
 - reflection profiling, 115A3:43–45, 54–59; 5:284–285
 - resistivity logs, 115A5:274–275, 287
 - Réunion differentiated series comparison, 115B3:40
 - Réunion hotspot, 121B26:514; 38:770
 - Réunion mantle plume, 115B5:53
 - sediment core description, 115A2:20–25
 - sedimentary sequence, 115B25:469–470
 - sedimentation rates, 115A5:258
 - seismic stratigraphy, 115A5:272
 - site surveys, 115B43:781–793
 - sponge spicules, 115B37:692
 - stratigraphy, 115A1:6
 - subsidence history, 115B13:123–126
 - summary log, 115A5:286
 - well-logging, 115A2:39–40
 - See also* Nazareth Bank; Soudan Banks
- Mascarene Ridge. *See* Maldives-Laccadive-Chagos-Mascarene Ridge
- Masirah fault (Oman), geology, 117A5:57
- Masirah Island
 - obduction, 117A5:61
 - ophiolites, 117A1:5; 4:43
 - shallow-water limestones, 117A17:553
- Massachusetts Institute of Technology Guyot. *See* MIT Guyot
- Matthew Island (New Caledonia), tectonic setting, 134A1:5
- Maud Rise (Site 689)
 - basement dating, 113A5:90
 - bathymetry, 113A5:91
 - Campanian–Eocene, 113A5:97–98
 - carbon isotope stratigraphy, 113B56:986–987, 989
 - carbonate content, 113A5:103–104; 113B55:975–976, 980–981, 984
 - clay mineralogy, 113B5:57, 67
 - Eocene–Miocene, 113A5:95–97

- geomagnetic polarity timescale, 113B21:262
glacial history, 113A5:90
heat flow, 113B2:17, 19, 24
hydrocarbon gases, 113A5:131
ice-rafted dropstones, 113A5:99–101
incompatible elements in mantle, 113B1:9
lithostratigraphy, 113A5:106; 6:193–194
location, 113A5:91; 113B1:6
magnetic properties, 113A5:121–123; 113B20:256–259; 21:264–267, 281–284, 295–304
magnetostratigraphy, 113A5:101, 122–128; 113B21:268–273
mineral dating, 113A5:99
Miocene–Quaternary, 113A5:94–96
oxygen isotopes, 113B10:138, 140
paleoenvironment, 113A5:133–134
physical properties, 113A5:101–106; 113B2:21–23, 25; 17:213–214
pore water chemistry, 113A5:128–132; 113B10:135–136, 138, 140; 13:171, 174–175
reflectors, 113A5:107–108
Rock-Eval pyrolysis data, 113A5:131–132
sedimentation rates, 113A5:121–122, 128
seismic profiles, 113A5:92–93
strontium isotopes, 113B11:149, 151, 153–155
total organic carbon, 113B15:190
water content, 113A5:101–103
- Maud Rise (Site 690)
alteration, 113A6:198–199
basalt stratigraphy, 113A6:198–199
basement bathymetry, 113A5:91
biostratigraphy, 113A6:225, 235
calcium carbonate, 113A6:207–208; 113B55:977–979, 982–983
carbon isotope stratigraphy, 113B56:987–989
clay mineralogy, 113B5:58
dissolved organic carbon, 113B13:172, 174
geochemistry, 113A6:199–203
geomagnetic polarity timescale, 113A6:225, 228–229, 232–234; 113B21:262, 290–292
glacial marine dropstones, 113A6:192
heat flow, 113B2:17, 19, 24
hydrocarbon gases, 113A6:238
incompatible elements mantle values, 113B1:9
lithostratigraphy, 113A6:186–194, 196
location, 113A5:91; 6:185; 113B1:6
magnetostratigraphy, 113A6:225–227; 113B21:274–280
major elements, 113B1:8
mineral dating, 113A6:197
natural remanent magnetization, 113A6:225–227, 230; 113B20:256–259; 21:267, 286–289, 305–315
oxygen isotopes, 113B10:138, 141
paleoenvironment, 113A6:195–196, 198, 236, 238–240
petrography, 113A6:198–200
physical properties, 113A6:202–207, 209–213, 215, 231, 239; 113B17:214–216, 222
pore water chemistry, 113A6:230–231, 236–237; 113B2:21–23, 25; 10:136, 138, 141; 13:175
- Rock-Eval pyrolysis data, 113A6:231, 238
seismic stratigraphy, 113A6:186, 205–208, 216
strontium isotopes, 113B11:150–151, 153–155
total organic carbon, 113B15:190
trace elements, 113B1:8
volcanic glass vs. depth, 113A6:190–191
water content, 113A6:205–206
- Maud Rise (Weddell Sea)
age vs. depth, 113B51:907–908
Antarctic Bottom Water (AABW), 113B49:865–866
biostratigraphy, 113B30:471–473; 49:876; 51:901–909; 120A6:110; 7:185; 120B(2)21:361; 29:528; 34:612–613
“black shales,” 113B15:195
carbon isotopes, 120B(2)54:970
carbonate–biosiliceous facies transition, 119B10:195; 48:874
carbonate dissolution, 120B(2)36:661
carbonate strontium isotopes, 119B41:741
clay mineralogy, 119B48:874
compressional wave velocity, 120A(1)6:123
cooling, 113B5:56
Cretaceous temperature changes, 113B47:842
deepwater circulation, 113B5:56
Eocene deepwater low-latitude origin, 119B38:707
Falkland Plateau biogeography, 113B53:938
geology, 114B13:289; 27:482
hiatuses, 113B49:874
ice-rafted debris, 120B(2)56:1009
location, 113A1:6
Maastrichtian, 113B46:813, 821–822
oxygen isotopes, 119B38:704; 48:885; 120B(2)44:840, 850–852
Paleocene–Eocene sea ice absence, 113B48:863
paleotemperature, 113B46:821
stable isotopes, 113B47:829, 831–833; 49:877
Transitional Faunal Province, 120B(2)53:957
vs. magnetostratigraphy, 113B52:922, 924
- Mauna Kea Volcano (Hawaiian Islands)
lanthanum content, 121B32:643
volcanic edifice cross section, 121A1:17
- Mauna Loa (Hawaiian Islands), volcanic glasses, 136B4:61
- Maurice Ewing Bank (Falkland Plateau), ice-rafted debris, 120B(2)14:216
- Mauritius Island (Indian Ocean SW)
eruptive history, 115B1:4; 4:44
geologic evolution, 115A1:7
hotspot activity, 115A1:5; 12:919
relative motion models of hotspot origin, 121B38:770
- Mawson Escarpment (Antarctica)
basement depressions, 119B5:67
geology, 119B6:80
topography, 119B5:64
- McDonald Island (Southern Ocean), hotspot role in volcanic activity, 121B38:771–772
- McMurdo Sound (Antarctica)
diamictites, 119B6:120–121
geology, 120B(2)64:1105–1106
Oligocene–Miocene glaciation, 119B6:79; 48:872
vermiculite, 112B5:74

- See also* CIROS-1 drillhole; McMurdo Sound sediment and tectonic studies (MSSTS-1)
- McMurdo Sound sediment and tectonic studies (MSSTS-1)
- glacial sediments, 119B48:872
 - glaciation and Miocene/Pliocene unconformity, 119B6:118
 - Oligocene glaciomarine sediments, 119B6:79
 - stratigraphic intervals, 119B6:119
 - surface water masses, 119B48:872
- Mediterranean Outflow Water
- Bay of Biscay, 107B29:472; 115B31:598
 - carbon shift, 114B25:470–471
 - circulation, 114B25:472
 - meltwater events at Site 704, 114B25:467–468, 471–472; 26:479–480; 28:529
 - Southern Ocean, 114B31:589; 33:626
- Mediterranean Ridge. *See* Bannock structure; Prometheus II mud diapir field
- Mediterranean Ridge W. *See* outer deformation front
- Mediterranean Sea
- biohorizons, 124B10:149
 - biostratigraphy, 107B40:677–681; 124B12:171, 176
 - isolation from world ocean, 107B39:643
 - lithostratigraphy, 107B1:13
 - Messinian, 107A9:604; 107B39:643–649
 - Miocene/Pliocene boundary, 107B1:14; 138B15:348–349
 - Pliocene/Pleistocene boundary, 107B24:395–396
 - seismic reflectors, 107B1:25
 - See also* Adventure Bank; Aiya Varvara metamorphics; Akamas Peninsula; Akrotiri Peninsula; Gelendzhik Rise; Hyblean Plateau; Lampedusa Formation; Latium-Abruzzi carbonate platform; Pelagian Sea; Pianosa-Elba Ridge; Piemont-Ligurian Ocean; Raffaello Basin; Santorini; Singa; Sirte Abyssal Plain
- Mediterranean Sea central
- sedimentary structures, 107A3:38
 - trace metals, 127/128B(2)85:1361
 - See also* Marsili Basin; Pantelleria peralkaline volcanic complex; Pantelleria rift system; Pelagian block; Pina well; Pisano Plateau
- Mediterranean Sea E
- Tyrrhenian Basin and stratigraphic correlation, 107A6:131
 - See also* Anaximander Mountains; Beato Angelico Trough; Eratosthenes Seamount; Famagusta-Hatay unit; Hecataeus-Latakia unit; Hecataeus Ridge; Herodotus Abyssal Plain; inner deformation front; Latakia Basin; Latakia Ridge; Tauride Mountains; Tyro Basin; Yerasa fold and thrust belt; “zebra unit”
- Mediterranean Sea W
- bathymetry, 107A2:11
 - margin formation, 107B38:629
 - plate tectonics, 149B1:4
 - seismicity, 149B1:5
 - See also* Tell chain
- Meiji Drift (Hawaii-Emperor seamounts)
- currents, 145A6:274–276
 - development, 145A6:219
 - drift deposits, 145B43:657–660
 - geology, 145A6:272–276
 - origin, 145A8:351
 - sediment tongue, 145B38:587–589
 - sedimentation, 145A6:235
- Meiji Seamount (Hawaii-Emperor seamounts)
- deglaciation, 145B17:257
 - geochronology, 145B22:337–338
- Meiji tongue (Hawaii-Emperor seamounts), magnetostratigraphy, 145B34:498
- Meiyo-Daisan Seamount (Japan Sea), geology, 128A3:70
- Melanesia. *See* Solomon Islands
- Melanesian island arc, evolution, 135A(1)4:92
- Melanesian Trench, subduction, 130B25:432
- Mellor Glacier (Antarctica)
- longitudinal foliation at confluence region of Lambert and Fisher glaciers, 119B5:75
 - See also* Lambert Glacier
- Melville Bank (Indian Ocean SW), plutonic rocks at shallow depth, 118B4:77
- Mendaña Fracture Zone (Nazca plate)
- bathymetry, 112A8:129
 - heat flow, 112B25:436
 - seafloor spreading, 112A6:95
 - subduction, 112A1:21
 - volcanic ash beds, 112B28:474
- Merchantville Formation (New Jersey coastal plain)
- biostratigraphy, 174AX_A1:37, 39; 174AXS_A1:35, 43
 - lithology, 174AXS_A1:56; 4:14; 5:36–37; 6:35–38
 - lithostratigraphy, 174AX_A1:30–32; 174AXS_A1:25
 - photograph, 174AXS_A6:78–79
 - stratigraphy summary, 174AXS_A4:39; 5:61; 6:70
 - strontium isotope stratigraphy, 174AXS_A1:45–46
- Merchantville sequences, photograph, 174AXS_A6:79
- Mere lava (Vanuatu), basalts, 134A12:413–414; 134B19:388–390
- Meriadzek Terrace. *See* Bay of Biscay
- Mertz-Ninnis Trough (Antarctica), Holocene sediment accumulation, 119B42:747, 748
- Meseta (Spain), geology, 103B39:706
- MESOPAC II expedition (Pacific Ocean NW)
- regional seismic surveys, 129B31:551, 553–554
 - single-channel seismic water gun data, 129A2:75–76, 80; 3:154; 4:232; 129B31:552
 - track chart, 129A2:37; 3:96, 153; 4:175
- Messejana fault (Portugal)
- maps, 149B1:5
 - plate tectonics, 149B1:4
- Messel shale (Germany), pyrolysis data, 112B38:585
- Messinian. *See* Laga Basin
- Meteor Rise (Atlantic Ocean S Subantarctic)
- lithostratigraphy, 114B1:17
 - ocean circulation, 154B30:459–460
 - origin, 114B1:19–20
 - tectonic history, 114B1:5–22
 - topography, 114B1:5–6, 11
 - See also* Site 703; Site 704
- Metis shoal (Tonga)
- lava, 135B24:387
 - rhyolitic glass, 135B24:386

- Mexico. *See* Chichonal Volcano; Chicxulub impact crater
Mexico W, apatite as a phosphorus source, 112B7:112
Mexico W Central. *See* Valles San Luis Potosi platform
Miami Seamount (Marshall Islands), geochemistry,
144B31:541
Mic Mac Formation (Scotian Basin), sediments,
103B44:792–793
Michigan. *See* Keweenaw Peninsula
Micronesian Islands. *See* Pikinni atoll
Mid-Atlantic Ridge
basalts, 158B8:104–107; 17:213–229
drilling, 153A1:5–13
fluid evolution, 153B22:399–415
gabbroic rocks, 153B5:77–98; 11:243–264
geochemistry, 153B10:181–241
hydrothermal systems, 158A1:5–14
metamorphism, 153B31:531–546
mid-ocean-ridge basalt fractionation path, 111B1:12–
13
physiography, 152A1:6–7
quench textures, 124A10:168
seismic velocities, 153B25:437–454
site description, 153A3:45–119; 4:121–177; 5:179–
215; 6:217–258; 7:259–274
spreading centers, 153A1:5
structure, 102A1:5; 3:128; 102B11:155
sulfides, 158B15:193–200; 16:201–210
See also Bent hill; Charlie Gibbs Fracture Zone; Kane
transform fault; Kremlin white smoker field;
Mid-Atlantic Ridge at Kane area; Nansen-Gakkell
Ridge; Oceanographer Fracture Zone; Oceanog-
rapher Ridge; ODP mound; Serocki Volcano;
Snake Pit hydrothermal area; Vema Fracture
Zone; Walvis Ridge
Mid-Atlantic Ridge (Site 670)
bathymetry, 106/109A2:18; 8:205; 106/109B4:28;
9:104
extension, 147A1:5
geologic cross sections, 106/109A8:206; 106/109B4:28
lithostratigraphy, 106/109A8:206–207; 106/
109B9:105
location, 106/109A8:205; 106/109B4:28; 5:48; 28:304
magnetic fabrics, 106/109B22:263–265
major elements, 106/109B7:78; 8:89
melting, 106/109B8:99, 101; 11:142
mineralogy, 106/109A8:208
petrography, 106/109B3:19–20; 4:28–30
physical properties, 106/109A8:221–223; 106/
109B8:93
rubble pieces, 106/109A8:214–217
tectonic map, 106/109B8:86
thermomagnetic curves, 106/109B22:267; 23:270
trace elements, 106/109A8:210; 106/109B7:78
ultramafic rocks, 106/109A8:206–215
whole-rock data, 106/109A8:210; 106/109B8:93;
9:112–113
See also Mid-Atlantic Ridge at Kane area
Mid-Atlantic Ridge at Kane area
Archie's law, 106/109B16:208–209
bathymetry, 106/109A2:15; 7:176; 106/109B15:198;
16:207
conductive gradient, 106/109A15:201–202
crustal structure, 106/109A2:16, 18–20
crystallization, 153B17:333–350
diabase dikes, 153B19:363–377
diopside, 153B13:277–284
downhole flow, 106/109A7:184–185; 106/
109B15:200–202
drilling, 153A1:5–13
fluid evolution, 153B22:399–415
gabbros, 153B6:99–121; 18:351–362; 27:471–490;
28:491–504
geochemistry, 153B10:181–241
hydrothermal alteration, 153B21:389–398
hydrothermal veins, 153B9:155–178
intersection massif, 153B4:64–69
iron-titanium oxide deformation, 153B7:123–141
Japanese magnetometer, 106/109A7:186
large-scale tests, 106/109A7:199–200
lithology, 106/109A7:178–179; 106/109B20:239
location, 106/109A2:16; 7:176; 106/109B16:206;
28:304
magnetic properties, 106/109A7:197–199; 106/
109B19:231–235; 153B24:429–436; 32:547–559
magnetometer logs, 106/109A7:185–186; 193–197
mantle heterogeneity, 153B15:305–319
metamorphism, 153B31:531–546
microfabrics and recrystallization, 153B8:143–153
multichannel sonic logging, 106/109A7:189, 191–193
nodal basins, 106/109A2:15, 17
peridotites, 153B12:265–275
permeability, 106/109A7:200–201
petrophysical measurements, 106/109B20:237–252
physical properties, 106/109A7:187–188, 190, 192–
193; 106/109B15:202; 16:205, 208–210; 20:240–
250
pore water chemistry, 106/109A7:188; 106/
109B16:209; 20:243, 249
reflectivity, 106/109B20:242
rift mountains, 106/109A2:15
rift valleys, 106/109A2:15
SeaBeam maps, 106/109A2:17
seafloor spreading, 106/109A2:18–19
seismic structure correlation, 106/109B16:210
seismic velocities, 153B25:437–454
serpentinization, 153B3:35–59
tectonics, 106/109A2:16, 19; 153B1:5–21; 4:61–76
temperature, 106/109A7:182–184; 106/109B15:197–
200
ultramafic rocks, 153B26:457–470
volcanic activity, 106/109A2:19
See also Kane transform fault; Serocki Volcano
Mid-Atlantic Ridge axis, serpentinized peridotite,
125B18:333
Mid-Atlantic Ridge SW
tectonic events, 114A8:366
See also Site 701
Mid-Atlantic transect, multichannel seismic lines,
150A2:16
Mid-Cayman Rise
amphibole gneiss, 118B27:543
calcium oxide/aluminum oxide ratio, 118B1:13–14

- clinopyroxene chemical evolution, 118B1:6
- gabbro aluminum oxide and crystallization effect, 118B6:140
- mineral covariation, 118B1:12
- nickel-rich olivine, 118B1:6
- Mid-Indian Ocean Ridge
 - geochemistry, 118B7:148
 - mid-ocean-ridge basalt, 118B6:127; 8:170; 21:361, 380
 - sulfur isotopes, 118B5:118–119, 121
 - uplift blocks, 118A6:91
 - See also* Marie Celeste Fracture Zone
- Mid-Indian Ocean ridge basalt (MIORB)
 - Atlantic and Pacific comparison, 123B42:791–792, 796
 - chrome spinels, 120B(1)9:127
 - Indian plate migration, 121B38:765
 - petrology, 120B(1)3:56–59; 6:79
 - radiogenic isotopes, 121A1:15
 - Raggatt Basin, 120B(1)9:129
 - Red Sea basalts compared, 123B42:791
 - Site 747, 120A6:135–137
 - Site 748, 120A7:225
 - Site 749, 120A8:268–269
 - Site 765, 123A4:194
 - volcanism, 120B(1)10:135
- Mid-Pacific Mountains
 - ages and tectonic cause, 129B32:574
 - bathymetry, 144A1:4
 - biostratigraphy, 129B11:221
 - Site 463, 129B32:600
 - stage poles, 144B35:609
 - See also* Horizon Guyot; Resolution Guyot; Woods Hole Guyot
- Middle America Trench
 - alkalinity, 112B32:522, 525
 - chlorinity, 112B32:521
 - continental crust/accretionary complex contact, 112A4:73
 - gas hydrates, 112B32:523
 - geology, 105A4:131
 - inorganic chemistry, 112A14:386
 - tectonics, 140A2:41
 - vein structures, 112B1:6, 8; 126B13:195, 205
- middle levee complex (Amazon Fan)
 - correlation, 155B39:599
 - electron microprobe data, 155B7:149
 - lithofacies, 155B2:27
 - lithologic units, 155A12:364; 18:564
 - seismic facies, 155A20:621
 - trace elements, 155A12:350
 - See also* bottom levee complex; lower levee complex; upper levee complex
- middle series (Greenland SE)
 - age, 152B40:486
 - stratigraphy, 152B41:508–509, 522
- middle series magmas (Greenland SE), origin, 163B9:105–110
- middle Siwaliks, sedimentation initiation and magnetic susceptibility correlation, 121A12:427
- Middle Valley (Juan de Fuca Ridge)
 - alkenones, 139B26:479–484
 - bacteria, 139B29:509–516
 - crustal magnetization, 139B2:19–27
 - diagenesis, 139B16:341–349
 - drilling sites, 139A1:5–7
 - fluid inclusions, 139B21:411–428
 - formation pressures, 139B41:649–666
 - gamma ray, 139B47:737–738
 - geochemistry, 139B48:739–748; 49:749–755
 - geotechnical properties, 139B40:627–647
 - hydrocarbons, 139B25:467–477
 - hydrothermal alteration, 139B10:155; 11:289; 12:291–305; 13:307–312
 - hydrothermal circulation, 139B20:395–410; 44:695–717
 - igneous basement, 139B36:573–583
 - igneous rocks, 139B6:79–102
 - kerogen, 139B27:485–494
 - magnetic properties, 139B2:22–24
 - magnetic surveys, 139B3:29–35
 - massive sulfides, 139B17:353–372; 18:373–385; 45:721–724
 - mineralogy, 139B8:113–131
 - nodules, 139B14:313–328; 15:329–339
 - paleotemperature, 139B35:565–570
 - permeability, 139B39:613–626
 - pore water, 139B22:429–438; 23:441–446
 - rock magnetism, 139B30:519–534; 31:535–542; 46:725–735
 - sedimentary structures, 139B7:105–111
 - sediments, 139B9:133–154; 24:447–465
 - seismic structure, 139B1:3–17; 38:597–612
 - site description, 139A5:101–160; 7:283–383; 8:431–569
 - sulfides, 139B19:387–392
 - tectonics, 139A2:9–42; 3:43–45
 - thermal conductivity, 139B32:545–552; 33:553–558; 34:559–564
 - thermal evolution, 139B28:495–508
 - well-logging, 139B37:585–596
- Mili atoll (Marshall Islands)
 - drilling, 144B33:573
 - flexure modeling of atoll and guyot pairs, 144B33:583
- Minami-Somisu caldera (Bonin Islands), 126A6:121; 126B1:10
- Minamizaki limestone (Bonin Islands)
 - Bonin Islands, 126B42:632
 - foraminifers, 126B15:233
- Mindanao (Philippines)
 - magmatism, 124B23:327–329
 - potassium-argon age of volcanic rocks, 124B23:335
 - volcanism, 124B23:336–337
- Mindoro Strait (Philippines), sills, 124A7:102
- Minerva Basin (South Fiji Basin), plate reconstructions, 130B43:705–706
- Minho (Portugal), continental margin, 149B1:4, 6–7
- Minna Fracture Zone (Labrador Sea), geology, 105A5:429
- Miri platform (Celebes), tectonics, 124B4:51
- Mississippi Delta
 - sediment microstructure, 105B42:805, 807
 - terrigenous sediment fabric transformation, 117B11:237
- Mississippi Fan, organic matter, 112B38:579–580, 585
- Mississippi River, Gulf of Mexico influence, 117B35:572

- MIT Guyot (Marshall Islands), 144A10:331–412
 algae, 144B11:221–230
 basalt alteration, 144B28:476–477, 483, 486
 biostratigraphy, 144B8:161–163; 10:199–219
 carbonate, 144B16:311–335; 48:846–869
 demagnetization of volcanics, 144B34:589, 591–593
 depositional history, 144B17:337–359
 geochemistry, 144B31:539, 541
 geology, 144A10:331–412
 guyot evolution, 144B52:926, 928–929; 53:941, 943–945
 lava petrology, 144B29:500–502; 30:520, 522
 limestone electron microprobe data, 144B59:1001–1003
 magnetic structures, 144B37:633–634
 radiometric ages, 144B32:548–549, 552
 site description, 144A10:331–412
 stable isotopes, 144B48:861
 stratigraphy, 144B41:680; 49:880–883
 transgressive phase, 144B51:899
- Miura-Boso Peninsulas (Japan), veins, 126B13:195, 206
- Miura group (Japan)
 Neogene vein structures, 112B1:8
 veins, 127/128B(2)75:1180
- Miyakejima Island (Japan), pyroclastics, 126B3:49
- Miyojinsho Volcano (Japan), pumice, 126B33:514
- Modified Atlantic Water, sea-surface temperature, 161B39:490
- Mogami Channel (Japan), geology, 128A3:70
- Mohs Ridge (Arctic Ocean)
 mid-ocean-ridge spreading axis, 151A1:6–9
 physiography, 151A1:7; 151B1:6–9; 152A1:6–7
- Molecap greensand (Western Australia), 120B(1)9:113
- Molloy Deep (Atlantic Ocean N), physiography, 151A1:7
- Molloy Fracture Zone
 mid-ocean-ridge spreading axis, 151A1:6–9
 physiography, 151A1:7; 151B1:7–9
- Molloy Ridge
 mid-ocean-ridge spreading axis, 151A1:6–9
 physiography, 151A1:7; 151B1:7–9
- Molucca Sea
 geology, 124A3:40
 subduction, 124B4:59
 tectonics, 124B30:406
- Molucca Sea collision zone
 Celebes Sea, 124A13:382
 tectonics, 124B30:399; 34:464
- Molucca Sea plate
 Celebes Sea, 124B1:3, 7–8; 3:47
 tectonics, 124B4:52
- Mongolia, dust storms, 127/128B(1)23:394
- Monmouth County (New Jersey), 150X_B21:289
- Montalvo Trough (Santa Barbara Channel), 146B(2)5:62
- Monte Baronie (Tyrrhenian Sea W)
 formation, 107B38:634
 lithology, 107A10:749
 morphology, 107A2:9
 seismic stratigraphy, 107A2:23
- Monte Farfalle (Tyrrhenian Sea), morphology, 107A2:19
- Monte Oscuro (Amazon Basin), vegetation, 155B25:416
- Monte Poseidone (Tyrrhenian Sea), morphology, 107A2:19
- Monte Secchi (Tyrrhenian Sea), 107A9:601
- Montejunto (Portugal), geology, 103B42:765
- Montemayor tectonic slices (Spain), lithostratigraphy, 161B23:310
- Monterey Formation (California)
 carbonate breccia, 112B7:98
 dolomite, 127/128B(1)6:75
 geochemistry, 146B(2)14:206
 lithostratigraphy, 128A5:354
 Miocene vein structures, 112B1:5, 8, 16
 opal-CT depth, 121B13:266
 phosphate, 112A13:312–313; 112B8:114
 sediments, 123B2:67, 70; 3:84
 sulfur content, 112B27:463
 veins, 127/128B(2)75:1180
- Monzen Formation (Japan)
 age of rifting, 127/128B(2)76:1202
 deposition, 128A1:17
- Møre Basin (Atlantic Ocean N)
 Cenozoic, 104A1:14
 location, 104A1:8
 sediments, 104B1:11
 subsidence, 104A1:13
 volcanic history, 151A1:12–16
- Morgan beds (Atlantic Coastal Plain), 174AXS_A6:79
- Mornington Channel (Chile margin), 141B31:380
- Moroccan Basin, Cretaceous turbidites, 103A9:240
- Moroccan margin, sandstone composition, 103B39:705
- Moroccan Rif Zone, geology, 105B36:717
- Morocco. *See* Rif chain; Rifian corridor
- Morris Jessup Rise (Arctic Ocean)
 continental margins, 151A1:10
 evolution, 151A1:16
 formation, 104A1:17
 plate tectonics, 151A1:5–9, 14–16
- Mount Pelée (Martinique), eruption, 110B4:32
- Mount Rubin (Antarctica), kaolinite, 119B6:114
- Mount St. Helens
 stress field, 127/128B(2)82:1323
 volcanic ash, 132B5:63
- Mount Tankara (Nankai Trough), coral reef terraces, 134A3:37–38
- Mozambique Basin
 opening, 113B23:343–344
 spreading anomalies, 117A5:55
- MSSTS-1. *See* McMurdo Sound sediment and tectonic studies
- Muderong shale (Carnarvon Basin), 123B4:95, 97
- Mull. *See* Isle of Mull
- Murray Ridge (Arabian Sea N), intersection with Owen Ridge, 117A3:35

N

- NADW. *See* North Atlantic Deep Water
- Nagri-Dhok Pathan Formation transition (India), 121B39:826
- Nakanami Formation (Nankai Trough), 128A4:129
- Namibia. *See* Cabo Frio; Lüderitz Bay; Walvis Basin

- Namibian shelf
 barite formation, 112B4:49
 bromine/total organic carbon ratio, 112B30:500
 NAMOC. *See* North Atlantic Mid-Ocean Channel
 Nanaimo lowlands (Vancouver Island), 169S_A2:14
 Nanga Parbat-Haramosh region (Indian plate), uplift dating, 121B39:826
- Nankai accretionary prism, frontal part (Japan)
 deformation, 131B7:83–101; 9:123–133
 faults, 131B8:103–122
 fluid flow, 131B40:487–492
 heat flow, 131B39:475–486
 hydrocarbons, 131B15:185–195
 marine sediments, 131B13:165–174
 organic materials, 131B30:379–385
 pore water, 131B17:211–220
 sediment permeability, 131B19:235–245
 sediments, 131B4:45–56
 stratigraphic synthesis, 131B26:313–330
 stress regime, 131B21:261–273
 structure, 131A1:8–9
 temperature calibration, 141B20:264
 tuff, 131B22:275–281
See also large thrust-slice zone
- Nankai forearc, sedimentary facies, 131B27:331–341
 Nankai subduction zone, fluid flow, 131B32:397–413
 Nankai Trough
 acoustic anisotropy, 131B18:221–233
 basalts, 131B16:197–207
 basement age, 127/128B(1)44:749
 bathymetric maps, 131B26:320
 biostratigraphy, 112A6:94, 106; 131B1:3–13
 clay-rich sediments, 131B20:247–260
 comparison of sediment water content with Vanuatu and Barbados Ridge, 134B30:531–547
 décollement zone, 131B6:73–82
 deformation, 131B41:493–512
 fissility, 128A4:146
 geochemistry, 131B31:387–396
 geology, 127A1:5–6; 128A1:9; 131A1:5–14
 geophysical surveys, 131A3:21–23
 helium isotopes, 127/128B(1)44:748–749
 in situ stress, 131B23:283–291
 lithofacies, 131B27:333–334
 magnetic fabric, 131B25:301–310
 organic materials, 131B12:159–163
 pore water, 127/128B(1)40:698; 131B34:423–425
 sedimentation, 131B3:35–43
 sediments, 131B5:57–69; 28:343–364
 seismic reflectors, 131B38:461–473
 stratigraphic synthesis, 131B26:313–330
 structural synthesis, 131B29:365–378
 subduction-related thrusting, 126B42:634
 tectonic setting, 131A1:7
 thermal conductivity, 131B36:451–456
 turbidite wedges, 131B2:15–34
 veins, 112B1:6, 8; 127/128B(2)75:1180; 128A4:145–146
 vertical seismic profile data, 131B32:411–416; 33:417–422
 volcanic ash, 131B14:175–183
- See also* Ashizuri Canyon; Mount Tankara; Nakanami Formation; Tosa Basin
- Nankai Trough accretionary complex, plate boundaries, 131B18:224
- Nansen-Gakkel Ridge (Mid-Atlantic Ridge), paleoclimatology, 151B31:515–517
- Nares Abyssal Plain (Atlantic Ocean N)
 geology, 102B11:155, 156
 manganese profiles, 135B10:158
 sediment underconsolidation, 105B41:793
- Narmada-Son lineament (India Central)
 extrusion, 121B39:818
 magmatic activity, 121B39:819–820
- Narsarpur trap (India), basalt flows and correlation with Deccan traps, 121B39:818
- Nasawa Formation (Maewo)
 Cenozoic, 134B2:23–24
 correlation, 134B26:471
- Naturalist Plateau (Indian Ocean E)
 age, 120B(1)2:35
 biostratigraphy, 120B(2)62:1085, 1088
 clay, 120A5:82
 geochemistry, 120B(1)2:39, 42, 44
 geologic setting, 120B(2)2:35
 glauconite in ash layers, 121B45:939
 hotspots, 120B(2)50:921; 121A4:71; 121B26:514
 nannofossil ooze, 121A13:465
 sediments, 120B(1)9:113
- Nauru Basin (Pacific Ocean W)
 basalts, 120A5:80; 8:271; 120B(1)1:25; 121B29:551; 129B20:397
 bathymetry, 130B3:36
 geochemistry of phenocryst assemblages, 121B29:552
 geochronology, 129B21:411
 location map, 129A4:172
 sill and flow complexes, 121B29:551–552; 129B21:408
 tholeiitic lavas, 129B18:348, 350, 357
- Navaka Sands Formation (Espiritu Santo Island), Neogene, 134A3:37
- Nazare Canyon (Atlantic Ocean E)
 continental margin, 149B1:4, 6–7
 metamorphic rocks, 149B47:729
 sediments, 103B42:760
 turbidites, 103A8:129
- Nazare Canyon W, Hercynian basement, 103B1:5–7, 8
- Nazare fault
 maps, 149B1:5
 plate tectonics, 149B1:4
 structure, 103B42:757, 762, 773
 tectonic units, 149B1:8–9
- Nazareth Bank (Mascarene Plateau)
 basalts, 115B2:11–13, 20; 3:25–26, 39; 5:53–60; 6:63–68; 7:71–83; 10:103–105
 basement, 115A2:37–38; 4:150; 115B11:111
 bathymetry, 115A3:46; 4:127–128; 115B2:12; 6:64; 11:111
 biostratigraphy, 115A1:8; 2:26–32; 4:132–137; 115B14:132, 134–135, 141, 144; 15:175–185; 19:279–282; 20:317–318, 322–345; 22:396, 403–

- 405; 23:413, 417, 419, 421–430; 24:433–440;
45:795–836
- carbonate cerium anomalies, 115B39:709–713
- core handling, 115A2:18–20
- eruption history, 115B2:11
- geochemical effects of mafic rock alteration,
115B8:85–91
- geochemistry, 115A2:35–36; 4:143–146
- hotspot activity, 115B1:7; 121B38:770
- lithology, 115A1:8; 4:126, 130–132
- location, 115A4:129; 115B3:24; 7:72; 8:86; 34:630;
41:738
- magnetic properties, 115A4:137–142; 115B40:721–
723; 41:739–768
- magnetostratigraphy, 115A2:32–35
- mineralogy, 115A4:145–146, 150; 115B3:42
- morphology, 115B3:45
- navigation data, 115A3:43, 45, 48, 51, 86–122
- Oligocene–Pleistocene unconformity, 115A4:126,
128, 132; 115B41:748–749
- paleogeographic reconstruction, 115B1:6
- paleolatitude, 115A12:928; 115B1:7–8; 11:113, 115–
116; 40:734–735
- physical properties, 115A2:38–39; 4:149–151, 160
- pore water chemistry, 115A4:143–145; 115B34:630–
634
- Réunion differentiated series comparison, 115B3:40
- sediment classification, 115A2:22–25
- sedimentary sequence, 115A4:126
- sedimentation rates, 115A4:143
- seismic stratigraphy, 115A3:43–45, 48–50, 52; 4:151–
152, 163–164
- subsidence history, 115B13:123–126
- underlying volcanic ridge, 115A1:5
- well-logging, 115A2:39–40
- Nazca Basin, magnetic properties, 111B13:156
- Nazca/Galapagos plate boundary, rotation, 147B18:340
- Nazca plate
- basalts, 141B27:339–340
 - bathymetry, 112A8:125–130
 - geochemical logs, 138B44:857–884
 - geology, 141A1:5–7
 - Mendaña Fracture Zone, 112A6:97
 - normal faults, 112A4:73
 - paleoceanography, 138B1:8–9
 - sedimentation, 141B31:393–395
 - sonar imagery in SeaMARC II survey, 112A8:128
 - spreading-axis basalts, 129B19:378
 - spreading centers, 138A(1)1:6–8
 - subduction, 112A1:5, 11; 141A2:12
 - tectonics, 137/140B25:298; 138B35:723; 141A3:26;
141B18:244; 147A1:6–8
 - Vera Fracture Zone, 112A6:97
 - volcaniclastics, 141B10:133
 - Yaquina Basin, 112A4:72
- See also* Mendaña Fracture Zone; Pacific-Cocos-Nazca
triple junction
- Nazca plate project
- continental crust extension, 112A1:5
 - Lima Basin morphology, 112A1:9
 - seismic reflection profiling, 112A7:110; 15:438;
17:636; 20:874, 927
- Nazca Ridge
- bathymetry, 112A8:129
 - interception, 112A17:647
 - Lima Basin, subsidence, 112A18:731
 - Neogene, 112A1:11
 - sedimentation, 141B31:394
 - subduction, 112A1:9, 21, 23; 17:647
 - subsidence, 112A18:731
 - volcanic gap, 112B28:478
- See also* Sala y Gomez-Nazca Ridge complex
- NEC. *See* North Equatorial Current
- NECC. *See* North Equatorial Countercurrent
- Negros Trench (Sulu Basin)
- Cagayan Ridge, 124B5:71
 - development, 124B32:445
 - extensional stress, 124B8:115, 117–118
 - gravity low, 124B5:71
 - organic geochemistry, 124A9:113–117
 - Sulu Sea, 124B4:56–57
 - tectonics, 124B4:52
 - volcanism, 124B23:336–337; 34:464; 35:481
- Negros volcanic arc. *See* Sulu-Zamboanga-Negros volca-
nic arc
- Neovolcanic zone (Atlantis II Fracture Zone)
- median tectonic ridge, 118B21:371
 - nontransform walls, 118B21:376
 - rift valleys, 118B21:365–366
- Nepal. *See* Dzung Formation; Thakkhola
- Nepoui (New Caledonia), boninites, 125B9:155
- Netherlands
- Elster glaciation, 104B6:213
 - Holsteinian interglaciation, 104B6:213
- Netherlands SW, palynologic sequence, 104B2:36
- New Britain-San Cristobal Trench (Solomon Islands),
plate circuits, 130B43:698–700, 705–706
- New Caledonia
- harzburgites, 103B17:256
 - subduction, 134A2:24
- See also* Matthew Island; Nepoui; Papua-Rennell-New
Caledonia subduction zone; Rennell Trench
- New Caledonia Basin
- geology, 124B3:46
 - spreading ridges, 130B43:700
 - tectonics, 135A(1)1:14; 135B55:880–882
- New Caledonia Ridge, age, 134A2:22
- New Caledonia Trench, spreading ridges, 130B43:700
- New England seamounts (Atlantic Ocean N), lava geo-
chemistry, 121A15:528–529
- New Guinea, deepwater agglutinated foraminifers,
124B12:171
- New Guinea plate, subduction, 125B38:629
- New Guinea plate N, 126B42:630
- New Guinea Trench, plate circuits, 130B43:699–700
- New Hebrides. *See* Vanuatu-New Hebrides arc
- New Hebrides forearc
- diagenesis, 134B8:109–130
 - volcanic rocks, 134B16:337–352
- New Hebrides island arc
- accretionary complexes, 134B29:528–529

- biostratigraphy, 134B12:265–291
 borehole televiewer data, 134B32:565–576
 chronostratigraphy, 134B6:89–95
 collision zones, 134A2:19–31; 134B5:73–88
 convergent margins, 134A8:165
 crust, 134B31:559–562
 drilling, 134A14:561–577
 forearc slope, 134A4:48
 geochronology, 134B22:413–414
 geologic history, 134A1:5, 9–11
 intra-oceanic subduction, 134A1:5–18
 magmas, 134B19:383–401
 magnetostratigraphy, 134B33:577–585
 model of evolution, 134A1:10
 Neogene paleoreconstruction, 134B2:40
 paleomagnetism, 134B25:447–456
 petrology, 134B18:363–373; 19:375–392
 physiographic elements, 134A4:44
 plate convergence, 134B3:47–57
 proposed origin, 134A1:11
 pteropods, 134B15:319–334
 ridge-arc collisions, 134B35:609–621
 seismic stratigraphy, 134B4:59–69
 stress, 134B34:591–606
 tectonic evolution, 134A1:5; 134B1:5–18; 2:19–46;
 23:417–429; 24:431–444
 underway geophysics, 134A5:55–63
 volcanic ash, 134B21:403–412
 volcanoclastics, 134B7:97–107
See also Espiritu Santo; Malua Formation; North d'Entrecasteaux Ridge; North Loyalty Basin; Sale Formation; Santa Maria Fracture Zone
- New Hebrides island arc central**
 basin geology, 134A1:11–16
 site description, 134A7:95–137; 10:261–315
 tectonics, 134B2:20–22, 24–30
 vertical tectonics, 134A3:33–42
- New Hebrides Trench**
 Cenozoic evolution, 134B2:36
 magnetic anomalies, 134A2:22
 petrology, 134B17:353–362
 plate circuits, 130B43:698–700, 705–706
 subduction, 134B35:609
 tectonics, 134B2:21–23
- New Hebrides-Vanuatu Ridge, evolution, 135A(1)4:92
- New Idria (California), coalingite, 125B19:355
- New Jersey**
 continental margin, 150A1:5–9
 Cretaceous turbidites, 103A9:240
 ostracodes, 150X_B21:289
See also Monmouth County; Poricy Brook
- New Jersey coastal plain, 150X_A1:5–28**
 biostratigraphy, 150X_B10:111–127; 11:129–145;
 13:161–165; 14:169–186
 coastal plains, 150X_B27:361–373
 diagenesis, 150X_B3:25–48
 Eocene, 150X_B16:207–228; 17:229–242
 magnetostratigraphy, 150X_B22:295–304
 Oligocene, 150X_B8:81–87; 15:187–206
 Oligocene–Miocene correlation, 150X_B12:147–152
 ostracodes, 150X_B21:287–292
- Paleocene, 150X_B19:267–275
 Paleocene–Eocene interval, 150X_B23:305–315
 paleoclimatology, 150X_B20:277–285
 Pleistocene, 150X_B26:355–357
 sea level changes, 150X_B3:25–48
 site description, 150X_A1:5–28
 stratigraphy, 150X_B1:3–13
 upper Eocene, 150X_B18:243–266
See also Absecon Inlet Formation; ACGS unit; ACGS#4
 borehole; Allaire borehole; Amboy stoneware
 clay; Anchor Dickinson gas #1 well; Ancora Site;
 ash marl; Atlantic City 800-foot sand; Atlantic
 City borehole; Atlantic City Formation; Atlantic
 coastal plain; Bass River Formation; Belleplain
 member; Belleplain member partim; Bridgeton
 Formation; Cape May; Cape May borehole;
 Cape May Formation; Cape May Zoo Site; Cart-
 eret Canyon; Cheesequake Formation; Chop-
 tank Formation; Clayton borehole; Cohanse
 Formation; Cruise Ew9009; Deal member; Eng-
 lishtown Formation; Estuarine sand aquifer;
 Exxon cycles; Farmingdale member; Fort Mott
 Site; green marl; highstand systems tract; Holly
 Beach water-bearing zone; Hornerstown Forma-
 tion; Howell Park; Hudson apron; Island Beach;
 Kirkwood 0 sequence; Lindenkohl Canyon;
 Lower Englishtown Formation; Merchantville
 Formation; Nocatee member; Red Bank Forma-
 tion; Red Bank-Navesink formations; Sandy
 Hook member; Sea Girt Site; Sewell Point For-
 mation; Shark River Formation; Shiloh marl
 member; Squankum member; “Suwannee”
 limestone; Tom Canyon; Toms River member;
 unnamed clay formation; unnamed clayey glau-
 conite sands; unnamed foraminiferal clay; un-
 named glauconitic clays; upper Englishtown
 Formation; upper Shark River Formation; Vin-
 centown Formation; Wenonah equivalent;
 Wenonah Formation; Wildwood member;
 Woodbridge clay member; Woodbury Forma-
 tion; Zapecza
- New Jersey continental slope**
 biostratigraphy, 150B1:3–15; 2:17–35; 3:37–51;
 26:435–437; 27:439–454
 clay mineral sedimentation, 150B9:147–170
 depth and density corrections, 150B29:461–468
 diagenesis, 150B17:311–328; 150X_B3:25–48
 Eocene stratigraphy, 150B25:429–432
 geotechnical properties, 150B21:377–384
 lithology, 150B22:385–409
 mass transport deposits, 150B11:189–228
 Miocene canyon, 150B15:283–292
 Neogene depositional geometries, 150B14:269–281
 Oligocene–Miocene magnetostratigraphy,
 150B8:129–143
 Oligocene–Miocene sequences, 150B24:425–428
 physical properties, 150B20:361–376
 Pleistocene age models, 150B7:115–127
 rock magnetism, 150B19:347–359
 seismic unconformity correlation, 150B16:293–307
 sequence stratigraphy, 150B20:361–376

- spectral gamma ray logs, 150B23:411–422
strontium isotope stratigraphy, 150B6:97–114
- New Jersey margin
geophysical surveys, 150A4:43–50
Oligocene–Miocene upwelling, 150B10:181
organofacies, 150B18:329–344
paleoceanography, 150B5:65–95
Pleistocene slope sediments, 150B12:229–239
sea level changes, 150A2:11–20
tektites, 150B13:241–265
- New Jersey sea level transect
glacioeustatic changes, 150A2:13–15
stratigraphy, 150X_B1:3–4
- New Mexico. *See* Paquate sandstone; Two Wells sandstone; Whitewater shale
- New York. *See* Auburn (New York) well
- New Zealand
paleovegetation, 120B(1)17:263
taxa, 123B39:744
See also Alpine fault; Bay of Islands; Campbell Plateau; Campbell Plateau Central; Campbell "Skin Drift;" Kermadec arc; Macauley Island; Taupo volcanic zone; Tauranga arc; Woodside Creek clay
- Newfoundland
geology, 103B1:11
ocean–continent transition, 149B47:716
ophiolites, 137/140B24:283, 287–289
rift timing, 103A9:281
sandstone, 103B30:508–509
seafloor spreading, 103A1:7
See also Beothuk Ridge; Blow Me Down Massif; Bonavista platform
- Newfoundland conjugate margin, continental rifting, 149B40:635–647
- Newfoundland/Flemish Basin
bathymetry, 103B43:780
geology, 103B43:777–778
ocean/continent boundary, 103B43:781, 783
seismic stratigraphy, 103B43:782, 786
"U" unconformity, 103B43:782, 784–785
- Newfoundland margin
M0 anomaly, 103A1:5
models, 149B38:614
seafloor spreading, 103B41:753, 756
See also SCREECH transect 2
- Newfoundland W. *See* Skinner Cove sequence
- Nicaragua. *See* Coyol group
- Nicaragua Rise
aragonite cycles, 101B16:222; 115B29:540, 558
See also Banco Nuevo; Rosalind Bank
- Niger Delta
geology, 120B(2)33:595
organic carbon sources, 113B50:881
- Niger River, stable isotopes, 105B14:209; 117B35:571
- Nigeria SE. *See* Asu River group
- Niigata Basin (Japan), lithostratigraphy, 128A1:17
- Niijima Island (Izu Islands), white tephra, 126B3:49
- Ninetyeast Fracture Zone (Indian Ocean E), orientation relative to adjacent zones, 121B38:765
- Ninetyeast Ridge
age, 121B22:447; 26:510–516; 38:768
age-progressive volcanism, 115A10:735
basalts, 121B26:507–509; 30:567–575
Bengal Fan sediment source, 116B16:189, 203–204
biostratigraphy, 121A2:43–45
breaks in movement rate, 121B39:799–811
carbonates, 115B29:560; 121B22:453–455; 24:470, 473, 475, 477
compositional variation, 121A15:529–531
Cretaceous–Paleocene reconstruction, 121A15:525
Cretaceous/Tertiary boundary, 121B39:802
deepwater circulation, 116B16:189–190
depositional environment, 121B30:560–561
Dupal isotopic signature, 121B31:599, 601, 603, 609; 32:638–639
Eocene/Oligocene boundary paleodepth, 121B10:232
formation, 121A10:260–261
geochemistry, 121A2:56–57; 15:531–534; 121B32:639–645
geological setting, 121A1:13; 121B24:467; 28:526
gravity anomalies, 116B23:275
hotspot activity, 115A1:5; 4:128; 12:919; 115B1:3, 5, 7; 121A4:71; 121B26:507, 514, 516; 39:811
igneous petrology, 121A15:523–531
Indian plate migration, 115B4:43; 121A15:523; 121B31:591
intersite differences, 121B32:633–638
Kerguelen Plateau/Broken Ridge breakup, 120B(2)51:940
lava comparison, 121B31:598–601
lead isotopes, 121B31:596–598
lipid geochemistry, 121B24:473
lithostratigraphy, 121A15:517–520; 121B22:447
low molecular weight hydrocarbons, 121B23:457–465
magnetic properties, 121A2:50–56; 121B39:799–803, 818, 871, 878
mass accumulation rates, 121B24:470, 472, 481
Miocene flux increase, 121A15:517
mirror-image ridges, 121B38:770, 774
models, 121A15:517, 523–524; 121B30:559–562, 578–581; 31:591; 38:763, 765, 768–770, 774; 39:811
modern ocean islands correlation, 121B30:579, 581
morphology, 116B22:269; 121A1:13; 121B30:560
neodymium isotopes, 121B31:596
northward motion, 121B38:768–769; 39:805, 809–810, 870
oceanic andesites, 121B30:572, 577
organic carbon, 121B23:457–465
organic matter types, 121B24:472–473
paleoceanography, 121A1:17–20
paleoclimatology, 121A1:20
paleolatitude, 121A1:20; 121B24:469; 39:856–867; 44:941
paleomagnetic record, 121B38:766–768
petrography, 121A15:525–529; 121B32:648–655
petrology, 121B30:575–578
physical properties, 121A2:57–59; 121B12:256
pore water, 121B22:448–452
postmagmatic alteration, 121B32:614, 621
productivity, 121A1:18; 121B24:472

- proposed future research, 121A15:531
residual magnetic anomaly, 121B38:768–769
ridge jump, 121B39:779
sediments, 120B(1)9:113
seismic reflection profiling, 121A5:93–94, 98–100,
103–104, 106–107
stable isotopes, 121B22:452–453
stationary mantle plumes, 115B5:53
stress-induced deformation, 123B37:680
strike-slip faulting, 116B22:262
strontium isotopes, 121B31:592, 596
tectonics, 121A1:5, 12; 15:534–535; 121B38:765–766,
773; 39:801
tephra, 121A15:520–523
topography, 121B22:447
trace elements in basalts, 121B30:572; 31:608
volcanic ash layers, 121B30:561
volcanic facies, 121A15:532
volcanologic constraints, 121A15:524–525
water-dominated alteration, 121B30:565
well-logging, 121A2:59–60
Wharton Basin structure, 121B38:765–766
Zanskar unconformity correlation, 121B39:819
See also Kerguelen-Ninetyeast hotspot; Osborne Knoll
Ninetyeast transform fault, history, 121A1:13; 10:260–
261
Nintoku Seamount (Emperor seamounts), primary oxide
composition, 121B28:539
Nishikurosawa Formation (Japan)
deposition, 128A1:17
subsidence history of Oga Peninsula, 127/
128B(2)76:1202
Nishinoshima Island (Japan), todorokite, 126A6:116
Nishinoshima Trough (Izu-Bonin forearc basin)
rift morphology, 126B12:185
sediment-filled half-graben, 126B42:634
See also Nishiyama mudstone formation
Nishiyama mudstone formation (Japan), vein structures,
126B13:205
Nitinat Fan (Cascadia accretionary prism)
biostratigraphy, 146B(1)3:48
sedimentation, 146A(1)4:70–71, 98–99; 146B(1)1:13;
2:42
Niuafu'ou (Tonga)
element abundances, 135B24:414
lava, 135B24:386; 29:529
morphotectonics, 135A(1)5:184–185
Niuatoputapu (Tonga)
basalts, 135B28:509
lava, 135B29:528
Nocatee member (New Jersey coastal plain),
150X_B12:153
Nootka Fault Zone (Vancouver Island), 139A2:11–15
Nordland margin. *See* Vøring margin
Norfolk Ridge (Australia E), tectonics, 135A(1)1:13–14;
11:582; 135B55:880
Norfolk Trench (Pacific Ocean SW), plate circuits,
130B43:700
Normandy coast, chert, 124E_A18:134
North America, Greenland separation, 105A1:6
North America W. *See* Inshore Countercurrent
North American Basin. *See* Vema Gap
North American Coastal Current, circulation,
155B17:306
North American continental margin SE, gases,
164B3:29–36; 4:37–46
North American plate
paleomagnetic data, 101B23:338
paleomagnetic poles, 171B_A1:6
subduction, 146B(1)15:264
tectonics, 127A1:5; 128A1:9
North American shale composite
carbonate cerium anomalies, 115B39:709
geochemistry, 115B39:712
North Aoba Basin (Vanuatu)
biostratigraphy, 134B10:207–219; 11:247–263
Cenozoic, 134B2:34
collisions, 134B35:609–619
diagenesis, 134B8:109–130
geochronology, 134B22:413–414
magmas, 134B20:393–401
magnetostratigraphy, 134B26:457–474
petrology, 134B19:375–392
physical properties, 134B29:511–530
rock magnetism, 134B28:491–507
sedimentary and crustal structure, 134B31:549–563
sedimentary basins, 134A1:13
sedimentation, 134B2:37
seismic stratigraphy, 134A5:56; 134B4:59–69
site description, 134A13:479–557
stress, 134B34:605
tectonics, 134B2:21, 24–31; 24:431–444
uplifts, 134A3:33
volcanic ash, 134B21:403
volcaniclastics, 134B7:97–107; 9:131–176
North Aoba Basin western belt, tectonics, 134B2:20–21,
23–30
North Arm Massif (Bay of Islands ophiolite), ophiolites,
137/140B24:283, 287–289
North Atlantic-Arctic gateways, plate tectonics, 151B1:3–
23
North Atlantic Deep Water (NADW)
biosiliceous sediments, 127/128B(1)26:439
carbon isotopes, 107B1:24; 119B38:713
carbonates, 138B1:14–16; 35:743–745; 42:835–836;
145B20:300; 151B30:501–502; 154B12:189;
15:229, 231; 175B(synthesis):7
circulation, 114B9:197; 11:217; 25:459; 26:475;
28:515; 33:610; 39:721; 117A1:6;
120B(2)36:661; 46:876; 130B24:414–415;
138B17:383–385; 172A1:7, 93; 6:288
current activity, 105B51:957; 151B1:5; 152B1:6–10,
14–17
deposition, 130B19:340, 342, 345
foraminifers, 152A11:204
formation, 104B6:190; 145B21:322; 152A11:208, 225;
13:283; 152B11:154, 156
glacial-interglacial cycles, 108B11:157
hydrography, 150A1:6
indicators, 130B44:731, 740–741
mass accumulation rates, 154B7:139

- mixing with Circumpolar Deep Water, 114A11:622;
114B23:411
- Neogene, 130B44:718
- nutrient depletion, 108B11:165
- oceanic gateways, 151A1:20
- oceanography, 154A1:6, 8; 154B13:202, 205–206;
16:239–240, 243, 248–249, 251; 18:278; 19:285–
297; 20:299–300, 311–314; 21:325; 27:396, 404;
172B(overview):5
- paleoclimatology, 146B(2)23:321–323; 175A1:8–9, 11;
22:565–566; 175B12:2–3
- Pleistocene lateral advection, 108B12:184
- productivity, 113B53:952; 114A11:684; 114B25:471–
472; 26:479; 124B29:379; 130B22:390
- sedimentation, 154A9:424–426; 154B22:331, 343–
345, 356; 25:375–388
- sediments, 152B2:23
- silica source, 113B9:127–128
- suppression, 114B23:420; 28:530; 145B38:590
- temperature, 172B(overview):11
- water-mass boundary with Antarctic Circumpolar
Current, 114B25:465
- North Atlantic Drift, Labrador Sea penetration,
105B24:409
- North Atlantic Mid-Ocean Canyon, geology, 105B33:620
- North Atlantic Mid-Ocean Channel (NAMOC)
Baffin Bay, 105B4:58
comparison with Site 645, 105B1:11–16
echo profiles, 105B30:562
Gloria Drift, 105B4:58–59
inactive status, 105B4:54
Labrador Sea, 105B4:59
lithology, 105B4:54
turbidites, 105B42:797; 48:893
- North Atlantic Mid-Ocean Current, turbidite deposition,
105B51:985–986
- North Atlantic model, structure, 105A1:16–17
- North Atlantic Rifted Margins Detailed Planning Group
plate tectonics, 152B40:482
programs, 149A1:5
- North Atlantic volcanic province
geochemistry, 152B2:23, 25; 32:398, 400; 40:496–498
mantle, 152A1:12–14
volcanics, 151A1:11–16; 152B27:315–330; 28:331–
350; 40:487
- North Brazil Coastal Current, 155A1:5–6
circulation, 155B24:408
currents, 155A1:5
olivine photomicrograph, 155A10:255
paleoceanography, 155A1:12–13; 155B17:306
Quaternary, 155A1:12–13
sea level changes, 155B18:331–332
sedimentation, 154B20:300–301
stable isotopes, 155B17:306
transport, 155B23:383–384
- North Carolina margin. *See* Cape Fear Diapir; Cape Fear
Formation; Cape Fear slide; Cape Lookout Bight
- North d'Entrecasteaux Ridge
biostratigraphy, 134B12:265–291
collision, 134B2:25; 5:73–88; 35:611–613
diagenesis, 134B8:112
emergence, 134A8:169–170
overview, 134A2:19–31
petrology, 134B16:337–338, 342–343; 17:353–362
SeaBeam bathymetry, 134A4:48
sediment water content, 134B30:535–536
seismic lines, 134A5:56
site description, 134A7:95–137
stress, 134B34:605
tectonics, 134B2:19, 22–24, 27–30, 43; 23:417–429
volcanic ash, 134B21:403
- North d'Entrecasteaux Ridge/New Hebrides island arc
collision zone, tectonics, 134B1:5–18
- North Equatorial Countercurrent
changes, 154B18:282–283; 20:300–301
circulation, 138A(1)1:6–7; 9:120; 10:191; 138B1:6–8;
20:469; 25:558; 28:615–625; 34:695–696;
35:722–723; 44:860; 155B21:373
paleoceanography, 155A1:12–13; 155B17:306
plankton, 138A(1)7:96
sedimentation, 138B35:726
sediments, 138A(1)8:101–102
- North Equatorial Current
changes, 154B18:282–283
circulation, 138A(1)1:6–7; 10:191; 138B1:6–8; 20:469;
25:558; 33:675; 34:695–696; 44:860
paleoceanography, 155B17:306
- North Equatorial Divergence Zone, upwelling,
108A5:343
- North Equatorial Undercurrent, circulation, 138B44:869
- North Fiji Basin
backarc basins, 135B55:882
basin opening, 134B2:24–31
crust, 134B31:562
four-stage evolution, 134A1:9
plate tectonics, 130B43:698–699, 705–706; 134A2:22
structure, 134B31:551–552
subduction, 134B35:609
tectonics, 134B2:21–22, 26–27, 29; 3:47
See also Hunter Fracture Zone
- North Fiji Fracture Zone, geologic setting, 134A1:9
- North Indian Intermediate Water (NIIW)
characteristics, 117A1:6
density, 117A1:6
oxygen, 117A1:6
sources, 117A1:6; 4:45
- North Korean Current, oceanography, 127/
128B(1)20:343; 26:440; 128A1:21
- North Loyalty Basin
age, 134A2:22
backarc basins, 135B55:882
- North Pacific Bottom Water, geochemistry, 145A3:53;
5:153; 6:241
- North Pacific Intermediate Water, 124A7:102
- North Pacific transect, sediments, 145A1:5–7
- North Pole, apparent positions, 129B32:577
- North Scotia Ridge (Atlantic Ocean S), tectonics,
114A5:88, 96; 6:152; 8:365; 114B2:31
- North Sea
deepwater agglutinated foraminifers, 124B12:171,
174–176
siltstone, 123B24:471

- North Sea Basin
 clay mineral composition, 105A4:104
 structure, 104B33:664, 667, 669–670
- North Solomon Trench
 plate circuits, 130B43:699–700
 plate reconstructions, 130B43:705–706
- North Subsurface Countercurrents, ferromanganese
 crusts, 144B44:759–760
- North Subtropical Gyre
 fans, 155A2:20
 ocean circulation, 155B21:373
- North Sumisu Basin (Izu-Bonin arc), seismic surveys,
 132A3:50
- Northeast Georgia Rise (Kerguelen Plateau)
 lithostratigraphy, 114B2:27
 tectonics, 114A7:301; 114B2:23–38
 topography, 114B2:31
See also Site 698; Site 699; Site 700
- Northeast Providence Channel (Bahamas)
 carbonates, 101A13:533, 537; 101B29:459, 465
 composition, 101B25:386
 deep-marine cements, 101B18:255–261
 drilling goals, 101B29:459
 gravity flow petrography, 101B17:245–252
 hydrocarbons, 101B25:381–383
 kerogens, 101B25:383–384
 laminated zones, 101B29:459
 Leg 101 summary, 101B29:459, 464–466
 lithologic units, 101A13:526–529
 mineralogy, 101B24:370
 organic carbon, 101B25:381
 origins, 101B17:245–246
 paleomagnetism, 101A13:535
 pore water chemistry, 101B24:371
 preservation, 101B25:386–387
 sedimentology summary, 101A13:526–530
 seismic stratigraphy, 101A13:536; 101B28:450
 synthetic seismograms, 101B28:446–450
- Northern Component Deep Water, circulation,
 154B21:324, 328; 23:354–356; 30:460; 33:488
- Northern Component Water/North Atlantic Deep Water
 glacial–interglacial fluctuation, 108B16:281
 Meteor Rise, 114B23:410, 417–418
 Oligocene–Miocene interval, 108B16:291
 Pleistocene lateral advection, 108B16:280
- Northern Hemisphere
 glaciation, 113B45:803, 808–809; 53:957;
 130B20:355–356; 145B11:179–194; 21:315–329;
 36:594; 151B27:461–465
 ice sheets, 124B28:375–376
 magnetization, 144B37:638; 38:643–646
 polar and subpolar paleoenvironments, 151A13:397–
 420
- Northern Hemisphere reference line (NHRL), lead iso-
 tope distribution, 125B13:250, 258–259
- Northern Hemisphere westerlies, eolian deposition,
 130B28:472–473, 476
- Northern ice limit, seasonal ice cover, 119A4:109–110,
 112–113
- Northern Kerguelen Plateau. *See* Kerguelen Plateau N
- northwest Atlantic Mid-Ocean Canyon
 bathymetric map, 105A5:443
 location, 105A6:677
 turbidite sequences, 105A1:12; 5:438–491; 6:732–733
- Northwest Australian Shelf. *See* Australian NW margin
- Northwest Providence Channel (Bahamas)
 carbonate-bomb data, 101A12:496, 499
 gamma spectrometry, 101A12:499–501, 503–506
 multichannel seismic lines, 101A12:484
 organic geochemistry, 101A12:499
 paleomagnetism 101A12:497–498
 pteropod fragmentation, 115B29:540
 sedimentology summary, 101A12:487–493
 seismic stratigraphy, 101A12:487–492
 well-logging, 101A12:503
- Norway Basin
 oceanic circulation, 151A1:17–18
 physiography, 151A1:10–11; 151B1:6–9
 plate tectonics, 151A1:14–16
 seafloor spreading, 151B17:309–310
- Norwegian Atlantic Current, oceanic circulation,
 151B17:310–311
- Norwegian Basin
 location, 104B6:191–192; 17:338; 20:398
 physiography, 152A1:6–7
 Pleistocene–Miocene volcanic ash, 104A4:82
 tephra occurrences, 104B17:337
See also Ægir Ridge
- Norwegian Basin Fracture Zone, location, 104A7:752;
 104B1:10
- Norwegian Current
 appearance and disappearance, 104A1:5
 carbonates vs. age, 151B30:501–502
 evolution, 151B3:54–55
 pelagic rain, 104B6:199
- Norwegian-Greenland Sea
 bathymetry, 104A1:6; 7:752; 104B1:6, 8; 51:1034;
 52:1068; 151A1:7–11; 3:47–48; 13:398–399
 biostratigraphy, 104B26:459–475; 151B3:39–59; 4:61–
 74; 5:75–99; 7:125–152; 12:203–242; 14:255–
 287; 35:641–642
 bottom water, 104B1:11; 52:1074
 carbonates, 151B24:415–434
 Cenozoic opening, 104B1:11; 49:986
 current patterns, 104A1:17–18; 104B1:11; 29:528;
 105A1:15
 Eocene paleoenvironment, 104B5:75
 fracture zones, 104A1:9; 105A1:10
 glacial mode, 104B4:61–62
 glaciation, 105A5:426; 151B27:461–465
 ice cover, 104B1:7
 ice rafting, 104A4:76; 105A4:145
 interglacial mode, 104B4:61–62
 magnetic lineations, 104A7:752; 104B1:8; 105A1:10
 organic carbon, 104B5:91
 oxygen isotopes, 104A1:23
 paleoclimatology, 104A1:18, 24; 104B6:213–214;
 52:1074, 1076
 paleoenvironment, 104A1:24; 104B1:11–16
 plate tectonics, 104A1:9
 Pliocene–Quaternary salinity, 104B6:213

- reflector dipping sequences, 104A1:5; 104B1:5
 salt sources, 104B5:90; 6:189
 sedimentation, 104A1:17–19, 23; 152B19:249
 spatial variability, 104B52:1073
 structural features, 104A7:752; 104B1:5–6; 51:1034
 surface water, 104B1:12–13; 6:189–190; 52:1070,
 1072, 1074; 105A5:496
 transitional mode, 104B4:61–62
See also Fleina Rift; Norwegian margin
- Norwegian margin
 bathymetry, 104A1:7; 4:56; 104B52:1071
 carbon isotopes, 104A1:18–19
 faults, 104A1:8, 13
 oxygen isotopes, 104A1:18–19
 Paleozoic–Paleocene sedimentation, 104A1:6
 provinces, 104A1:5, 7–8
 seismic reflectors, 104A7:766
 structural features, 104B1:6–11
 volcanic history, 151A1:11–16
See also Helgeland Basin; Møre Basin; Norwegian-Greenland Sea; Vøring Basin; Vøring Plateau
- Norwegian Sea
 biostratigraphy, 104B9:266; 114B9:195, 197;
 115B31:589; 124B12:171, 175; 151B4:61–74
 bottom water and surface water circulation,
 104B52:1089–1113
 calcium, 104A4:179
 carbonate vein isotopic values, 121B22:453
 geology, 120B(2)37:679
 Gilbert Chronozone, 119B43:753
 glacial–interglacial cycles, 104B6:191; 114B28:529
 ice distribution, 104B52:1069
 ice rafting, 124A12:315; 124B28:376
 magnesium, 104A4:179
 Neogene, 104B52:1108–1113
 paleoclimatology, 104B6:210, 212–214
 paleoenvironment, 104B9:267–268
 Paleogene, 104B52:1082, 1109–1110
 Pliocene–Quaternary sequence, 104B6:207–210
 Quaternary, 104B52:1082, 1108–1113
 salinity, 104B6:209
 secondary carbonate isotopic values, 115B9:94
 Termination IA, 104A1:18–19
 Termination IB, 104A1:18–19
 volcanic glass alteration, 104B10:280
See also Haltenbanken; Jan Mayen Fracture Zone; Lofoten Basin; Lofoten Fracture Zone; Lofoten-Vesterålen shelf; Rost syncline; Scoresby Sound; Senja Fracture Zone
- Norwegian Sea Deep Water, circulation, 105B37:744
- Norwegian Sea Overflow Water
 circulation, 105A5:420; 105B1:12
 Faeroe–Shetland Ridge, 105A5:423–424
 geophysical effects of Labrador Sea, 105B48:891
 influence on Leg 105 mineralogy, 105B6:80
- Noto Peninsula (Japan)
 diatoms, 127/128B(1)17:311
 Japan Sea stress field, 127/128B(2)75:1185
 rock exposures, 128A4:129
 uplifts, 128A4:158
- Nova Scotia
 sandstone, 103B30:509
 smectite-kaolinite correlation, 119B10:198
 Nuku'alofa (Tonga), oil seeps, 135B41:673
- O**
- Oak Ridge trend (Santa Barbara Channel), 146B(2)5:62
 Oates Canyon (Australia NW), 123B4:104; 5:128
 Ob Trench (Indian Ocean SE), 120B(2)51:937
 Obruchev swell (Okhotsk Sea), 145A6:275
 Ocala limestone (Florida), deposition, 150X_B12:153
 Ocean City aquifer (Atlantic coastal plain),
 174AXS_A(summary):15
- Oceanic Formation (Barbados)
 benthic foraminifers, 125B4:74
 stratigraphy, 110A1:8
 vein structures, 126B13:205
- Oceanographer Fracture Zone (Mid-Atlantic Ridge)
 metagabbro velocity, 118A4:74
 neovolcanic zones, 118B21:376
 refraction data, 118B10:225
 ridge axis right-lateral offsets, 118B21:392
- Oceanographer Ridge (Mid-Atlantic Ridge), seamount
 ridge/transform intersection, 118B21:365
- Oceanus, Cenozoic circulation patterns, 113B49:875–876
- “ODP flow” (axial summit caldera, East Pacific Rise)
 ages, 142B5:38
 axial summit caldera, 142A2:34–35
- ODP mound (Mid-Atlantic Ridge), 169B4:1–15
 hydrothermal circulation, 169A1:11
 massive sulfides, 169A3:61, 64; 169B5:1–34; 10:12–14
- Oga Peninsula (Japan Sea)
 age, 127/128B(2)76:1202
 basement, 127/128B(2)76:1202
 biostratigraphy, 127A5:198; 127/128B(1)22:379, 381;
 27:459
 depositional environment, 127/128B(2)76:1203
 geology, 128A3:70
 lithostratigraphy, 127/128B(2)76:1203; 128A1:17–18
 mass accumulation rates, 127/128B(2)76:1204
 paleobathymetry, 127/128B(2)76:1203–1204, 1210
 stress field, 127/128B(2)76:1204–1205
 subsidence/uplift history, 127/128B(2)76:1202–1205;
 128A4:158
- Ogasawara Fracture Zone (Marshall Islands)
 East Mariana Basin, 129B31:560
 FM35-12 multichannel seismic air gun profile,
 129B31:560
 magnetic anomalies M22–M36, 129B31:566
 Site 585, 129B31:555
 stratigraphy, 129B31:565
 tectonics, 129B31:568; 144B31:543
- Ogasawara Islands
 basement, 125A1:6; 125B9:143; 11:203
 seamounts, 125B27:445
- Ogasawara region. *See* Izu-Ogasawara arc; Izu-Ogasawara forearc
- Ogasawara Seamount, subsidence, 125B14:271

- Ohmachi Seamount (Japan Sea)
carbonate bioclasts, 126B15:233
geological setting, 126B12:185; 15:231
petrography, 126B12:186–187
prehnite-pumpellyite metamorphism, 126B12:189–192
- Okhotsk microplate, tectonics, 128A1:9
- Okhotsk Sea
diatoms, 127/128B(1)17:309–310
formation, 128A1:13
ice rafting, 145B12:201
opal flux, 127/128B(1)26:439
See also Obruchev swell
- Oki-Daito Ridge (Philippine Sea plate), basalt, 125B38:629
- Oki-Dogo Island (Japan), volcanic ash, 128A4:156
- Oki Islands (Japan Sea)
basement, 128A4:127–129
geology, 128A4:126–127
green tuff rocks, 128A4:128
low-chlorinity pore fluids, 128A4:172
- Oki Ridge (Japan Sea)
basement, 128A4:127–129
bathymetry, 128A4:126–127
biostratigraphy, 127/128B(1)13:225, 227, 229–230; 14:241–244; 18:318–324; 21:361; 22:367–369, 373–375, 382; (2)77:1223–1224
bottom water conditions, 128A4:125
carbonate compensation depth, 127/128B(1)24:409; 128A4:122, 158
chronostratigraphy, 127/128B(1)18:317–318
consolidation/permeability data, 127/128B(2)71:1123–1133
crustal structure, 128A4:127–128
cyclic lithofacies, 128A4:195–196
depositional history, 128A4:157–158, 194–195
eolian supply, 127/128B(1)24:409, 419
faulting, 128A4:194–195
forests, 127/128B(1)18:317
free-air gravity anomalies, 128A4:127, 133
green tuff rocks, 128A4:127–128
heat flow, 127/128B(2)81:1302; 128A4:125, 127, 131
Layers 1–3, 128A4:127–128
magnetic anomalies, 128A4:127, 132
magnetostratigraphy, 127/128B(2)62:973–974; 77:1223–1224
oceanographic drilling objectives, 128A1:18–19
oceanography, 128A4:166, 195–196
oxygen isotope stratigraphy, 127/128B(1)26:444
paleoclimatology, 127/128B(1)24:419–421
paleodepth, 127/128B(1)22:373
paleoenvironment, 127/128B(1)22:379–380
sedimentary rocks, 128A4:129
sedimentation, 127/128B(2)77:1227; 128A4:131–132
sediments, 127/128B(1)24:409–422
seismic stratigraphy, 128A1:34; 4:125
Site 798, 127/128B(1)23:393; 24:409; 25:423–425; 26:440; 27:458–459; 32:560; 34:605; 38:667; 42:720; 43:739
tectonics, 128A4:130–131, 134
uplifts, 127/128B(1)10:155; 22:373; 24:419; (2)76:1208; 128A1:35; 4:122, 157, 194–195
volcanic ash, 128A4:122
- Oki Ridge Basin (Japan Sea), seismic stratigraphy, 128A4:122
- Oki Trough (Japan Sea)
bathymetry, 128A4:126–127
crustal structure, 128A4:130
free-air gravity anomalies, 128A4:127
heat flow, 128A4:131
Layer 1, 128A4:127
- Okinawa Trough, sulfides, 128A1:21
- Oklahoma. *See* Hunton group carbonates
- Okushiri Island (Japan), 127A6:251, 254; 128A3:76
- Okushiri Ridge (Japan Sea)
anomalous heat flow, 127A6:300–301
basement, 127A5:176; 6:312
bathymetry, 127A6:251
biostratigraphy, 127/128B(1)11:176, 178; 15:270–275, 285; 27:471, 481, 484–485; (2)77:1223
compression, 127A6:255
crustal structure, 127A6:251–252
dredge samples, 127A6:254
earthquakes, 127A5:178
fluid flow along faults, 127A6:275
folding, 127A6:255–256
frictional heating along thrust faults, 127A6:247
heat flow, 127A1:27, 30; 6:300–301, 314; 127/128B(2)81:1303, 1307
magnetostratigraphy, 127/128B(2)77:1223
opal-A/opal-CT transition, 127/128B(1)3:50
opal-CT/quartz transition, 127/128B(1)3:50
physical properties, 127/128B(2)80:1275
pore water chemistry, 127/128B(2)79:1265
sedimentation, 127A6:256–258, 313–314; 127/128B(1)15:288; 77:1227
seismic stratigraphy, 127A6:256–258, 307, 312–313
slumping, 127A6:268
tectonic history, 127A5:176
thermal model, 127A1:16
uplifts, 127A1:19, 30; 5:176; 6:247, 258, 268, 314; 127/128B(2)76:1208
- old Pacific sites, chert, 124E_A18:134–135
- Olympic Peninsula (Washington W), accretion, 146A(1)1:5–7
- Oman
ophiolites, 137/140B24:283, 287–289; 147B17:324
peridotites, 125B30:528–529
radiolarites and claystones, 123B39:751
See also Masirah fault; Ra's Madrasah; Semail Massif
- Oman margin
age, 117A4:43
bathymetry, 117A5:57–59
biostratigraphy, 117A2:18–21; 117B1:22–23; 4:94–95, 98–99
chloride, 128A4:172
chronostratigraphy, 117B5:132
control of sedimentation rate, 117B6:154
deformation structures, 117A4:43
depositional history, 117A4:48
geological history, 117B3:55

- geomagnetic polarity timescale, 117A2:22
high surface productivity, 117A4:48
Holocene sediment mass accumulation rates, 117A4:43
intermediate-depth hydrography and influence of Red Sea evaporation, 117B17:291–292
laminated facies, 117A4:48–50
lithology intersite correlation, 117A2:22–23, 25; 4:48–49
magnetic properties, 117A2:22
magnetostratigraphy, 117B1:23–24
marker horizons, 117A16:531–533; 117B6:151, 155–156
morphology, 117A4:43
oceanography, 117A4:45–46; 117B1:5
ophiolites, 117A5:57
oxygen isotope correlation, 117B6:159
physical properties, 117A2:25–26
sediment terraces, 117A4:43; 5:58
sediment thickness, 117A4:43
submarine topography, 117A5:57; 117B6:155
tectonic history, 117A4:49
terrigenous sediment, 117A11:324–325; 117B24:432
See also Lake Mundafan; Sharbithat Ridge; Site 723; Site 724; Site 725; Site 726; Site 727; Site 728; Site 729; Site 730
Oman margin N. *See* Site 723; Site 724; Site 725
Oman margin S. *See* Site 726; Site 727; Site 728; Site 729; Site 730
Oman Mountains, Duru group rift succession, 107B38:642
Oman ophiolite
gabbros, 118B26:465, 499
undeformed igneous texture, 118B26:461
Omo (Ethiopia), palynology, 117B22:398
Onnagawa Formation (Japan NW)
deposition, 128A1:17
dolomite, 127/128B(1)6:75
foraminifers, 127/128B(1)12:187
geology, 128A1:13; 15:265
lithostratigraphy, 128A7:354
opal flux, 127/128B(1)26:439, 446
paleoenvironment, 127/128B(2)76:1202
vein structures, 126B13:205
volcanic ash flow tuffs, 127/128B(2)48:796
Ontong Java Plateau
basalts, 129B20:397
basement, 130B1:3–22
bathymetry, 130B3:34; 10:138; 35:588
biostratigraphy, 130A2:25–33; 130B8:103–111; 9:113–136; 10:137–178; 13:245–256; 29:491–508
calcareous sediments, 130B40:663–672
calcite recrystallization, 154B34:491–499
climate cycles, 130B48:797
collisions, 135B12:173, 187
description, 130A1:5–7
downhole measurements, 130A2:40–41
drilling results, 130A10:497–537
geochemistry, 130A2:33–34
igneous rocks, 130A2:34–37
magnetic properties, 127/128B(2)60:951; 130B4:51–59; 31:527–546; 32:547–559
Mesozoic, 130B6:85–92
mid-Cretaceous, 129B33:630
oceanic lithosphere, 129B21:412
organic carbon, 130B34:573–584
origin, 130A5:115; 9:458–459; 130B48:791–795
oxygen isotopes, 133B17:244–246
paleoceanography, 130A1:7–8; 130B19:333–348; 22:381–395; 23:397–409; 24:411–421
paleoclimatology, 130B20:349–362
physical properties, 130A2:38–40; 130B38:641–652; 39:653–661
plate circuits, 130B43:698–699, 705–706
pore water, 130B33:561–572
Quaternary, 130B21:363–379; 30:509–523
sedimentary structures, 130B27:453–470
sedimentation, 130A2:37–38; 130B5:63–84; 28:471–490; 44:711–744
sediments, 130A2:22–25; 130B41:673–686; 42:687–694; 47:761–773
seismic data, 130A3:45–75; 4:80; 6:180; 130B3:33–49
stratigraphic correlation, 130B35:587–606; 36:607–622
strontium, 113B11:154
stylolites, 130B26:445–451
tephrochronology, 130B25:423–444
tholeiites, 129B18:348, 350, 357
underway geophysics, 130A4:77–97
volcanism, 129B21:411
See also Comet survey site; Dancer survey site; Dasher survey site; Prancer survey area; Three Kings line; Vixen survey site
Ontong Java Plateau N, basement structure, 130B2:23–31
Ontong Java Plateau NW, bathymetry, 130A6:179
Ontong Java Plateau SW, structural elements, 130A1:8
Ontong Java series reflectors, seismic surveys, 130A7:269–270, 275–277
Oporto Seamount (Atlantic Ocean E), SeaBeam surveys, 103A5:84
orange channel-levee system (Amazon Fan)
core-seismic integration, 155A6:112, 114, 117
lithologic units, 155A6:117
Ordenes (Iberian margin W), Variscan basement, 149B1:8
Ore Drilling Program mound. *See* ODP mound
Oregon. *See* Blanco Fracture Zone; Steens Mountain polarity transition
Orinoco River
anticlinal ridges, 110B8:112–113, 119–120, 122–123
basins, 110B8:113, 122, 124
canyons, 110B8:112–114, 122, 124
depressions, 110B8:113, 122
echofacies E1–E5, 110B8:114–116, 122–123, 126
lithology, 110B8:116
location, 110B2:7
morphosedimentary domains, 110B8:112
mud volcanoes, 110B8:113, 119, 122, 124
sediment thickness, 110B1:3
Orkney Islands S (Scotland), strontium isotopes, 119B41:741

Ortegal Spur (Galicia margin)
 bathymetry, 103A7:110, 116–117
 comparison with Asturian and Basque margins,
 103A7:111
 comparison with Galicia margin W, 103A7:109, 111
 location, 103A7:107–108, 119
 Mesozoic fault trends, 103A7:109, 116–117
 Orthris Zone (Greece), geology, 103B12:206
 Ortona-Roccamorfinina line (Italy)
 geology, 107B38:725
 thrusting, 107B38:726
 Osborne Formation (Perth Basin), glauconitic sediment,
 120B(1)9:113
 Osborne Knoll (Ninetyeast Ridge)
 bathymetry, 121B30:560
 ridge jump, 121B38:765
 width, 121A1:13
 Oshima Island (Japan)
 basement, 128A3:73
 pyroclastics, 126B3:49
 Oshima Plateau (Japan), dredge samples, 127A4:78
 Ossa-Morena Zone (Iberian Massif SW)
 basement, 103B1:8
 extension, 103B1:8, 10
 geology, 103B1:3, 5–6; 13:210
 paleomagnetism, 103B1:11
 significance, 103B1:11
 Variscan basement, 149B1:7–8
 outer deformation front (Mediterranean Ridge W), geol-
 ogy, 160A13:451
 Owen Basin (Arabian Sea)
 alignment of Owen transform fault, 117A5:52
 along-strike depth variability, 117A5:52
 basement, 117A1:5
 bathymetry, 117A1:7; 5:55, 58; 11:377
 biostratigraphy, 117A2:18–21; 117B4:94–95, 98–99
 bioturbation, 117A9:207; 10:262
 chronostratigraphy, 117B5:132
 correlation with Gulf of Aden, 117A1:9
 depositional history, 117A3:36, 38
 eolian transport, 117A3:35–36
 formation, 117A5:55
 geomagnetic polarity timescale, 117A2:22
 hemipelagic sediment source area, 117B8:193
 lithofacies, 117A9:241–242
 lithostratigraphy, 117A2:22–23, 25; 3:38–40; 5:55
 location, 117A3:35
 magnetic properties, 117A2:22
 marker horizons, 117B6:151, 155–156, 158
 monsoon strength and sediment properties,
 117B20:343
 morphology, 117A1:35
 Neogene sedimentation, 117A3:35
 orientation, 117A3:35
 origin, 117A3:35; 5:6
 Owen Ridge age, 117A3:35
 pelagic deposits, 117A3:38
 physical properties, 117A2:25–26
 plate boundary, 117A5:54
 pyritization, 124B26:364–365
 regional seismic stratigraphy, 117A10:277

ridges, 117A3:35
 sedimentary cycles, 117A3:40–42; 117B6:152
 silica deposits and monsoonal upwelling, 117A3:40
 tectonic history, 117A1:5; 5:61
 terrigenous sediment, 117A5:55; 11:324–325;
 117B6:886; 22:390, 394–396; 24:432
 turbidites, 117A10:260
 uplifts, 117A1:5; 3:35; 5:55; 6:177; 9:209; 10:300–303
 Owen Fracture Zone (Arabian Sea), lithology, 118A6:91
 Owen Ridge (Arabian Sea)
 Neogene carbonate mass accumulation rates,
 115B25:485
See also Site 721; Site 722; Site 731
 Owen transform fault
 alignment with Owen Ridge, 117A5:52
 offset with East Sheba and Carlsberg ridges, 117A5:54
 Oyashio Current (Pacific Ocean NW)
 climate, 127/128B(1)19:326
 cold surface water, 127/128B(1)27:457
 ice rafting, 145B12:201
 Japan Sea, 128A1:30
 oceanography, 127/128B(1)20:343
 Site 799, 128A5:312
 subpolar gyre, 145B21:323
 Ozbourn Seamount (Tonga-Kermadec Trench), topogra-
 phy, 135B23:375–376

P

Pacua Formation (Costa Rica), volcanics, 165A4:184
 Pacific Arctic Water, paleoclimatology, 167B7:136
 Pacific/Atlantic-type mixture, cycles, 159B41:569–570
 Pacific/Australian plate boundary, tectonics, 194A1:5
 Pacific Basin
 carbonate mass accumulation rates, 138B42:832
 magnetic properties, 111B13:156
 Pacific Bottom Water, helium, 127/128B(1)44:748
 Pacific Boundary Current E, upwelling centers, 112A1:5
 Pacific-Caribbean Gateway, closure, 145B21:315
 Pacific Central Water, oceanography, 202A1:114;
 202B1:27, 43
 Pacific-Cocos-Nazca triple junction
 fault plane solutions, 147B28:464
 regional map, 147B28:465
 Pacific-Cocos Ridge region, seafloor spreading, 206A1:10
 Pacific Deep Water
 Japan Sea, 127/128B(1)22:365
 ocean circulation, 130B24:414–415
 oceanography, 127A1:16
 paleoceanography, 154B16:239, 249, 251
See also Upper Pacific Deep Water
 Pacific Deep Western Boundary Current, paleoceanogra-
 phy, 181A7:1–184
 Pacific-Farallon-Izanagi triple junction, magnetic linea-
 tions, 132B1:4
 Pacific Gateway SW. *See* Valerie Passage
 Pacific gyre, biostratigraphy, 144B42:691–736
 Pacific Intermediate Water
 age, 146B(2)2:25–26
 basins, 146B(2)23:311, 322–323
 sedimentation, 146B(2)8:119

- Sulu Sea, 124B28:377
- Pacific-Izanagi-Farallon triple junction, 198A11:2
- Pacific/Izanagi plate boundary, 129B33:615
- Pacific-Izanagi Ridge, basalts, 191B3:4
- Pacific Ocean
- biohorizons, 124B10:149
 - biostratigraphy, 120B(2)56:1004–1005; 123B21:433; 127/128B(1)29:505
 - carbon isotopes, 120B(2)44:851
 - circulation, 120B(2)46:876
 - Cretaceous correlation, 144B7:144–156; 8:157–169; 9:171–197; 10:199–213
 - currents, 178A2:6–7
 - deepwater inflow, 127/128B(1)29:528
 - drilling, 136A1:3–8; 2:9–26; 3:27–34; 4:37–63; 5:65–99
 - eolian dust, 127/128B(1)23:394
 - geology, 193A1:1–84
 - Indian Ocean correlation, 130B13:253–255
 - Japan Sea, 127/128B(1)11:180; 16:299–300; 128A5:312
 - Jaramillo geomagnetic polarity transition, 121B43:385
 - Jurassic “Panthalasa” basin, 129B32:571
 - mid-ocean-ridge basalt composition, 135B26:471–485; 28:509–517; 29:528–530
 - mud replicate analyses, 121B20:425
 - oceanic crust, 124B6:75
 - Oligocene deepwater low-latitude origin, 119B38:713
 - oxygen isotopes, 120B(2)45:855
 - sediment accumulation rates, 124B33:452–453
 - taxa, 120B(2)29:526
 - tectonics, 128A1:8; 178A2:7–9
 - water residence time, 138B17:385
- See also* East Pacific Rise; Farallon plate; Futuna; Horizon B seismostratigraphic unit; Humboldt Current; Hunter Fracture Zone; Japan Trench; Jasper Seamount; Lamont Seamounts; Limalok Guyot; Lord Howe Rise; Mid-Pacific Mountains; old Pacific sites; Ontong Java Plateau; Tethys-Pacific connection; Wilde Guyot
- Pacific Ocean central
- crust, 136B10:119–132
 - manganese-encrusted hardgrounds, 144B5:97–126
 - paleomagnetism, 136B3:45–50; 4:53–63
 - volcanic ash mass accumulation rate, 165B5:113
- See also* Line Islands; Line Islands-Line Cross trend
- Pacific Ocean central equatorial
- geochemical events, 130A1:11
 - Jurassic, 129B32:571
 - Lower Cretaceous, 129B32:571
 - paleoceanographic events, 130A1:11
- Pacific Ocean central W
- bathymetry, 129B31:553
 - geochemistry, 129B16:295–302
- Pacific Ocean E
- age model, 145B21:322–323
 - calcareous nannofossils, 138B21:479–502
 - calcium carbonate stratigraphy, 138B2:25–30
 - cores, 169S_A2:13
 - drilling, 142A1:5–27
 - geochemical logs, 137/140B30:339–346
 - Neogene, 138B1:5–21; 6:73–101; 14:321–336
 - paleoceanography, 138A(2)20:1095–1096; 138B1:5–21; 170B6:1–28
 - shallow seismic structure, 200B7:1–21
 - site description, 137A2:15–55; 140A2:37–200
- See also* East Pacific Rise; Sala y Gomez-Nazca Ridge complex; Siqueiros Fracture Zone
- Pacific Ocean E central, bathymetric map, 205A1:42
- Pacific Ocean E equatorial
- amino acids, 201B12:1–7
 - biosphere, 201B6:1–20
 - biostratigraphy, 206B2:1–25
 - calcite recrystallization, 154B34:491–499
 - carbonate mass accumulation rates, 165B17:250, 270–271
 - dissolved carbohydrates, 201B10:1–10
 - dissolved organic carbon, 201B9:1–10
 - geology, 203A1:1–30
 - magnetostratigraphy, 201B16:1–19
 - major cation concentrations, 201B11:1–19
 - metabolic activity, 201A1:1–81; 201B2:1–19
 - microbial communities, 201B1:1–45
 - middle/late Miocene carbonate crash, 206B4:1–24
 - oceanography, 138A(1)1:6
 - oxygen isotopes, 201B7:1–23
 - paleoceanography, 138B3:31–46
 - radiocarbon dating, 201B15:1–15
 - sediment permeability, 201B18:1–18
 - sedimentology, 201B14:1–25
 - site description, 138A(1)9:119–188; 13:677–734; 14:735–807; 15:809–889
 - sulfur isotopes, 201B6:1–20
 - surface sediments, 138A(1)8:101–115
 - tectonics, 138A(1)1:6–8; 11:269
 - total organic and inorganic carbon, 201B8:1–20
 - upper oceanic crust, 206B1:1–15
- See also* Clipperton Fracture Zone; Tehuantepec upwelling event
- Pacific Ocean E tropical. *See* Winterer Guyot
- Pacific Ocean equatorial
- biostratigraphy, 202B5:1–10
 - carbon isotopes, 119B38:704
 - carbonate compensation depth, 124B33:449, 455
 - carbonate cycles, 101B17:233
 - carbonate preservation record, 115B29:562
 - compaction patterns, 105B40:787
 - Eocene/Oligocene boundary, 119B38:714
 - Eocene pelagic sequence isotopes, 105B9:125
 - grain size coherence, 117B21:380, 383–385, 387
 - Leg 202 summary, 202A1:1–145
 - Milankovitch cycles, 129B30:529–547
 - organic carbon/barium ratio, 127/128B(1)37:653–654
 - oxygen isotope stratigraphy, 121B11:247
 - sediment accumulation rates, 124B33:449
 - upwelling, 114B36:673
- See also* Berlanga Rise; Cromwell marine current; Line Islands
- Pacific Ocean equatorial N, radiolarians, 136B1:3–25
- Pacific Ocean MORB mantle isotopic province
- domain distribution, 187A1:14–16

- magnesium oxide vs. sodium oxide/titanium oxide ratio, 187A1:43–44
 mantle, 187B1:3–4
 zirconium/barium ratio vs. barium, 187A1:43–44
See also Indian Ocean MORB mantle isotopic province/Pacific Ocean MORB mantle isotopic province boundary
- Pacific Ocean N**
 biosiliceous sediments, 127/128B(1)26:439
 biostratigraphy, 113B47:842–843; 127/128B(1)13:228; 14:237; 15:258; 18:320; 20:341, 358; 27:459; 128A4:160; 5:302, 315–316; 145B1:3–19; 4:55–91; 5:93–116; 6:117–132; 7:133–140; 8:141–156; 9:157–170; 37:559–575; 38:577–596; 39:599–632; 40:633–638
 calcium carbonate, 145B6:76; 21:315
 carbon isotopes, 113B49:873
 chert, 136B8:99–104
 composite depth scale, 145B13:205–217
 copper mineralization, 145B25:389–397
 Cretaceous/Tertiary boundary, 145B31:427–434
 drilling, 151A1:22
 eolian deposition, 145B14:219–230
 geochemical logs, 145B46:677–688
 geochronology, 145B22:333–344
 geotechnical properties, 145B35:525–546
 ice rafting, 145B11:179–194; 12:195–204
 Maastrichtian cooling, 113B46:821
 magnetostratigraphy, 145B30:455–468; 34:491–521; 37:559–575
 ocean circulation, 167A(1)1:5–13
 organic carbon sources, 113B50:881
 paleoceanography, 145B38:577–578; 198A1:107
 paleoclimatology, 127/128B(1)27:459; 145B18:265–281
 paleomagnetism, 145B33:483–490
 Pleistocene geomagnetic field, 145B32:475–482
 Polar ocean water temperatures, 113B46:813
 pore water chemistry, 145B45:671–675
 Powell Basin formation, 113A11:658
 Prydz Bay glacial diamictites, 113B53:953–954
 sediment recycling in arcs, 145B24:383–388
 sediments, 145A1:5–7
 seismic stratigraphy, 145B29:437–453
 Site 794, 127A4:96
 stratigraphy, 145B38:577–596
 volcanic ash, 145B23:345–381
See also Cape Olyutorsky; Cobb-Eickelberg seamounts; Cruise EW9903; Explorer plate; Gorda plate; Liman Current; North Pacific Bottom Water; North Pacific Intermediate Water; South Georgia block; Vibelius Guyot
- Pacific Ocean N equatorial**
 early Cenozoic evolution, 199B1:1–39
 Eocene sedimentation, 199B20:1–33; 21:1–35
 hole summary, 199A1:86
 mineralogy, 199A5:1–20
 paleoclimatology, 199A3:1–30
 Paleogene equatorial transect, 199A1:1–87
 Paleogene seismic stratigraphy, 199A4:1–21
See also Clarion Fracture Zone
- Pacific Ocean NE**
 biostratigraphy, 127/128B(1)27:465; 139B2:39–40
 geology, 200A1:3–4
 spreading centers, 169A1:7–16
See also Guide Seamount; Haro Strait; Hueneme Canyon; Juan de Fuca Canyon; Kula/Farallon plate; San Nicolas Basin; Tuzo Wilson seamounts
- Pacific Ocean NW**
 biostratigraphy, 127/128B(1)17:309; 21:360; 144B3:61–85; 11:221–230; 42:691–736; 186B5:1–15; 6:1–19; 197B4:1–12
 Cenozoic paleoclimatology, 198B1:1–47
 Cenozoic stratigraphy, 144B41:675–689
 cycle stratigraphy, 145B19:283–292
 ferromanganese crusts and nodules, 144B44:745–768; 45:769
 glaciation, 145B21:315–329
 guyot origin and evolution, 144B53:935–949
 lava petrology, 144B29:495–512
 microfabrics, 185B9:1–29
 paleoclimatology, 145B3:43–53
 paleomagnetism, 129B26:471–481; 144B34:585–604
 radiometric ages, 144B32:547–557
 sedimentation, 145B20:293–314
 site description, 144A9:313–329
 stratigraphy, 191A4:3
 summary, 191A1:1–49
 volcanic ash correlation, 132B5:63–65
See also Great Magnetic Bight; Limimteveyamim suite; Mai Tai Guyot; MESOPAC II Expedition; Oyashio Current; Papanin Ridge; Rota-1; Shatsky Plateau; WP-2 observatory
- Pacific Ocean S**
 Eocene ice-rafted debris, 119B48:873
 glacial history, 178B(synthesis):1–40
 glacially derived sand, 119B10:201
 oceanic island basalt isotopic ratios, 121B31:592
 sea-surface productivity, 121A1:20
 winnowing of pelagic oozes, 121B8:212
See also Hunter Islands; Louisville hotspot; Louisville Ridge; Makatea Island; Mangaia; Society Islands; South Pacific Convergence Zone; South Pacific Intermediate Water; South Pacific isotopic and thermal anomaly
- Pacific Ocean SE**
 glacial sediments, 120B(1)12:162
 Leg 202 summary, 202A1:1–145
 oceanography, 202A1:4–6
 paleoceanography, 202B1:1–56
 paleomagnetism, 189A(appendix):1–10
 Pliocene stratification, 202B12:1–51
 taxa, 120B(2)29:527
 tectonics, 202A1:6–7
See also Carnegie Ridge; Gunther Undercurrent
- Pacific Ocean SE, Cenozoic accumulation rate of eolian dust, 121B8:220**
- Pacific Ocean sources, depth anomalies, 187B3:5–10**
- Pacific Ocean SW**
 biogenic opal, 181B6:1–12
 carbonates, 181B4:1–50
 dissolved manganese, 181B5:1–5

- evolution, 181B1:1–111
 guyot origin and evolution, 144B53:937–938
 marginal basins, 180B6:21
 paleoceanography, 181A1:1–80
 paleoenvironment, 127/128B(1)19:338
 plate tectonics, 130B43:697–709
 radiolarians, 134B14:309–317
 sea-surface height, 181B1:83
 site description, 129B32:600
 stable isotopes, 181B10:1–20
 strontium isotopes, 117B27:462
 sulfate reduction, 181B1:28; 7:1–15
See also Balleny Fracture Zone; Campbell Drift; Caroline Basin; East Coast fold belt; Hikurangi channel system; Kawakawa Tephra; Louisville seamount chain; Malaita; Malakula; Manihiki Plateau; Mariana arc; Norfolk Trench; North Loyalty Basin; Pumpkin Rock ignimbrite; Raoul Island group; Rekohu Drift; Waimihia eruption; Wheuakite rhyolite
- Pacific Ocean tropical, sedimentation and biostratigraphy, 144B42:694–697
- Pacific Ocean W
 apatite, 129B7:169–176
 Atlantic Ocean N correlation, 130B9:113–136
 basalt alteration, 144B19:381–398; 28:475–491
 bathymetry, 129B5:151; 37:695; 144A1:4
 biostratigraphy, 124B12:174; 129B8:179–187; 9:189–201; 10:203–220; 11:221–228; 13:247–264; 37:697–707; 144B1:3–20; 4:87–96; 8:157–169
 boninite, 125B12:232; 38:650; 126B27:422, 426
 Cenozoic, 130B19:345
 chronostratigraphy, 185B13:6–7, 20
 convergent plate margins, 135B1:3–5
 deep oceans, 186A1:1–37
 development, 124B3:45–46
 Eocene–Oligocene geology, 125B38:624–629
 eolian dust, 127/128B(1)23:403
 ferromanganese and phosphatic hardgrounds, 144B22:419–428
 geochemical logs, 129B34:635
 geochemistry, 129B15:283–294; 17:305–343; 18:345–359; 19:361–388; 21:405–413; 144B25:447–457; 31:535–545; 48:841–871
 geochronology, 129B20:389–404
 hydrothermal alteration, 129B22:415–427
 Jurassic crust, 144B60:1007–1019; 185B1:1–35
 lava and xenoliths, 144B30:513–533
 location map, 129B11:222
 marginal basins, 127/128B(2)82:1311; 83:1333–1334
 Neogene sea-surface temperatures, 130B16:281–305
 ooze and clay consolidation, 144B56:985–990
 organic acids, 144B27:469–474
 paleobiogeography, 144B50:887–893
 paleoceanography, 130B21:373–374
 paleolatitude motion, 129B32:576
 paleomagnetism, 129B23:431–446; 24:447–454; 25:455–470; 144B36:615–630; 37:631–638; 191B8:1–27
 physical properties, 129B27:485–499; 28:501–506
 plate tectonic framework, 129B32:573–576
- Pleistocene, 124B29:379–392; 134B13:293–308
 Quaternary, 130B30:509–523
 seafloor engineering, 132A1:5–21
 sedimentation, 129B2:31–79
 sediments, 124B31:421; 129B1:3–30
 seismic stratigraphy, 130B3:33–49
 serpentines, 195A1:1–63
 silicification, 129B3:81–117
 site description, 124E_A1:6; 129A2:33–89; 3:91–170; 4:171–242
 stratigraphy, 144B49:873–885; 51:895–913; 52:915–933; 185A1:9–10
 subduction zones, 127/128B(2)83:1333–1334
 Sulu Sea, 124B29:380
 tectonics, 124B35:468; 125B38:630; 126B9:139; 38:556; 127A1:7
 tholeiitic ocean plateaus, 121A15:526
 tuff, 129B4:119–135
 volcanoclastics, 129B5:137–152; 6:153
 well-logs, 129B29:507–527; 36:673
See also Caroline Ridge; Daito Basin; Darwin Fracture Zone; Darwin Rise; Golden Dragon Seamount; Himu Seamount; Ita Mai Tai Guyot; Izu-Bonin arc; Lau-Havre Basin; Lo-En Guyot; Marcus Island; Marcus-Wake seamounts; Marshall Islands; Nauru Basin; Ogasawara Fracture Zone; old Pacific sites; Palau Islands; Pigafetta Basin; Seiko seamount cluster; Sofu Gan; Takuyo-Daisan Guyot; Thomas Washington Guyot; West Pacific seamount province; Western Pacific Warm Pool; Yap Trench
- Pacific Ocean W equatorial
 biostratigraphy, 129B12:229–245; 13:247–248
 early history, 129A4:158
 oldest rocks, 129B20:389–404
See also Manihiki Plateau; Manop Site C
- Pacific plate
 absolute motion, 144B33:579; 34:600
 age map, 206B1:12
 apparent polar wander paths, 129B33:621
 basement, 185B1:4–5
 computer modeling, 130B43:697–699, 704–705
 conjugate points, 203B2:27
 electrical resistivity structure, 127/128B(2)84:1351
 embryonic structure, 129B31:568
 geochemical logs, 138B44:857–884
 geology, 127A1:5; 128A1:9; 200A1:3–4
 magnetic lineaments, 129B26:477
 motion changes, 125A5:81–82; 129A2:54–55; 129B26:471–481; 31:554; 33:616, 629–630; 130B25:432–433; 134A2:22; 138A(2)15:850–851; 144B35:605–613
 oldest portion, 129B23:431–446; 33:615–631
 origin, 129B33:630
 paleoceanography, 138B1:8–9
 Paleogene equatorial transect, 199A1:1–87
 paleolatitude, 191B7:1–20; 192A3:34
 paleomagnetism, 129B32:608; 130B4:58; 31:537–538; 138B5:61
 paleopoles, 138A(2)16:932; 143B31:530–532
 plate tectonics, 167A(1)1:8; 181A1:4; 197A1:5–7

- seamounts, 143B31:498–500
 sediments, 185A1:7–8
 spreading centers, 129B32:571; 138A(1)1:6–8
 subduction boundaries, 190A1:2
 subduction zones, 125B11:208; 12:211; 134A1:11;
 134B2:21; 135B18:288; 193A1:3–5
 tectonics, 124A3:35; 143B31:504–508; 145B27:415;
 191A1:5; 202A1:7
 Tertiary, 129B33:630
 triple junctions, 203B2:8
 volcanism, 165A8:388
See also Cocos-Nazca-Pacific triple junction; Cocos/Pacific plate boundary; Phoenix-Antarctic Ridge; Phoenix-Japanese ridge junction; Phoenix magnetic lineations; Phoenix Ridge; “Stealth” plate
- Pacific plate Euler pole, oceanic plateaus, 192A1:5–6
 Pacific plate oceanic model (PPOM), 127/
 128B(2)81:1304
 Pacific plate W, isotope geochemistry, 144B31:535–545
 Pacific Rim Terrane, accretion, 146A(1)1:5–7
 “Pacific-type” carbonate stratigraphy, oxygen isotopes,
 177B(synthesis):52
- Pacman Seamount (Marianas)
 flow morphology, 125B20:371
 mantle peridotites, 125B27:451
 origin, 125B27:457
 serpentinite debris, 125B36:612
- PACMANUS hydrothermal field (Pual Ridge)
 alteration phases, 193B5:1–10; 11:1–19
 anhydrite geochemistry, 193B7:1–23
 basalt xenoliths, 193B6:1–19
 core-scale permeability, 193B13:1–19
 dacites, 193B8:1–18; 12:1–9
 geologic map, 193B2:13–14
 geology, 193A1:5–7; 193B1:3–7; 2:3–4
 physical properties, 193B14:1–14
 pore water geochemistry, 193B4:1–15
 sulfide and oxide mineral chemistry, 193B3:1–31
- Padre Miguel group (Honduras)
 tephra source areas, 165B5:105
 volcanic provenance, 165A4:183
- Pagodroma Gorge (Antarctica), geology, 188A1:8
 Pagodroma group, geology, 188A1:8
 Pakhna Formation (Cyprus)
 geology, 160A9:291, 297; 160B36:456–457, 462;
 54:743
 limestone, 160B37:476–477
 Messinian gypsum, 160B36:459–460
 petrography, 160B36:455
- Pakistan. *See* Hunza region; Kohistan N; Potwar Basin;
 Potwar Basin/Salt Range region; Rawalpindi
 group
- Palau Islands, magnetic declination, 126B24:353, 359, 363
 Palau-Kyushu-Bonin arc, volcanism, 124B34:464
 Palau-Kyushu Ridge
 Eocene–Oligocene geology, 125B38:628
 isolation, 125A1:5
 lava, 125B38:630
 leucocratic plutonic rocks, 126B42:630
 tuffs and chalks, 126B31:467
 volcanic basement, 126B31:467
- volcaniclastics, 126B42:632
 volcanism, 126B42:629, 639
- Palawan Island (Philippine Islands)
 geological evolution, 124B9:121–124
 stratigraphy, 124B9:124
 tectonics, 124B4:51, 54
 volcanic rocks, 124B35:477
See also Ulugan fault
- Palawan margin, collision with Cagayan Ridge,
 124B4:59
- Palawan Trough, seismic stratigraphy, 124B4:55
- Palm Beach well (Humble/Florida), data, 101B28:440
- Palmer Deep (Antarctica)
 bathymetry, 178B34:13
 biogenic opal, 178B1:1–7
 composite depth scales, 178B5:1–35
 Holocene climate, 178B7:1–45
 mass accumulation rates, 178B3:1–20
 microfabric, 178B18:1–17
 petrophysical units, 178B30:1–17
 radiolarians, 178B33:1–14
 SeaBeam swath map, 178B34:12
 sedimentary record, 178A1:15–17; 2:16–17, 22
 sedimentation, 178B34:1–14
 site description, 178A7:1–110
 spectral reflectance data, 178B21:1–22
See also gravity core PD92-30; gravity core PS1565
- Palmer Deep Subbasin I, Holocene, 178A7:12; 178B34:3
 Palmer Deep Subbasin II, sediment traps, 178A7:8–10;
 178B34:3
- Palmer Deep Subbasin III
 Holocene, 178A7:12; 178B34:3
 sediment traps, 178A7:8–10; 178B34:3
- Palmer Land
 chlorite-illite province, 178B8:9
 clay mineralogy, 178B8:14
- Palu fault (Sulawesi Trench), geology, 124B4:59
- Pan-American Seaway, 138B30:644–645
- Panama
 paleoclimatology, 155B25:416
 vegetation, 155B23:381–383
See also Cucaracha Formation; Culebra Formation;
 Gatun Formation; Great American interchange;
 Isthmus of Panama
- Panama, Isthmus. *See* Isthmus of Panama
- Panama Basin
 basement fluid flow, 202A1:25
 bromine/total organic carbon ratio, 112B30:502
 carbonates, 105A4:148; 138B35:732; 42:832
 deep water, 138B42:831
 geologic history, 140A2:41–44
 mass accumulation rates, 202A1:20–21
 oceanic circulation, 138A(1)1:6
 oceanography, 202A1:4–6
 paleoclimatology, 138B17:377, 379–381
 site description, 202A11:1–82
 stable isotopes, 138B17:385–387
 surface sediments, 138A(1)8:101–102
 thermocline, 138B13:296
 water residence time, 138B17:385
- Panama Basin E, oceanic crust, 170B7:7

- Panama Basin Project, carbonates, 121B8:212
- Panama block
plate boundary, 170A1:7
seismicity, 170A1:7-9
- Panama Fracture Zone
geologic setting, 148A2:29; 148B35:436-437
location, 111B16:179
seismicity, 170A1:7-9
subduction, 170A1:7
tectonics, 140A2:41
- Panama Gateway
carbonate compensation depth, 206B2:10
carbonate crash models, 206B4:8-10
tectonics, 167B32:370-371
See also Panamanian Seaway
- Panama series reflectors
climate changes, 130B44:718
Site 805, 130A7:269, 275-277
Site 806, 130A8:337-338
- Panama sill, geologic history, 138B35:748-749
- Panamanian Seaway
carbonate accumulation, 138B1:14-16
carbonate crash, 138B35:743-745
closure, 138B42:821-838
deepwater circulation, 138B35:750
paleoceanography, 138B9:170-172
restriction, 138B42:835-836
sedimentation, 138B35:729
See also Central American Seaway
- Panay Island (Philippine Islands)
geologic structure, 124A5:87; 124B23:333
magmatism, 124B23:326, 328
potassium-argon age, 124B23:323-325
volcanism, 124B23:336-337
- Pandora Reef (Great Barrier Reef), 133A(1)1:23
- Pandora Trough (Gulf of Papua), 133A(1)1:19
- Pangaea
breakup, 120B(1)17:255
Jurassic, 129B32:571
Tyrrhenian Basin evolution, 107B1:6
- Panpanan basalt (Cagayan Ridge), 124A5:87
- Pantelleria peralkaline volcanic complex, pyroclastics, 161B12:150-151
- Pantelleria rift system (Mediterranean Sea central), tectonics, 160A1:16; 4:73
- Papagayo upwelling event (Gulf of Nicoya), organic carbon, 138A(1)8:103
- Papanin Ridge (Pacific Ocean NW)
seismic reflection, 198A11:11, 15
See also Thompson Trough
- Paphos (Cyprus), fanglomerate, 160B43:560-562
- Papua New Guinea
active felsic-hosted hydrothermal system, 193B1:1-71
compressional tectonics, 133A(1)16:703
continental extension, 180A1:1-77
geology, 193A1:1-84
tectonics, 180B2:1-35
See also Amphlett Islands; Conical Seamount; Huon-Finisterre forearc; Manus Basin; Manus Trench; New Britain-San Cristobal Trench; PACMANUS hydrothermal field; Pual Ridge; Rataman Formation; Rossel Island; Satanic Mills; Snowcap hydrothermal field; Suckling-Dayman massif; Tagula Island; Tsukushi
- Papua New Guinea E, regional geology, 180A3:14
- Papua-Rennell-New Caledonia subduction zone, motion changes, 130B25:432
- Papuan Basin
Favusella, 123B14:284
planktonic foraminifers, 123B39:747
- Papuan ophiolite belt
lithologic units, 180A10:12
mantle, 180B1:6
- Papuan Peninsula
basalts, 180A6:37
geophysical surveys, 180A2:4-5
provenance, 180B(synthesis):12
tectonics, 180A1:1-77; 3:3-6; 180B(synthesis):3
See also Awaitapu Formation; Emo
- Papuan Plateau, tectonics, 180B(synthesis):4
- Papuan Trench, plate circuits, 130B43:700
- Papuan ultramafic belt
diabases, 180B(synthesis):5
evolution, 180A3:3-6
mid-ocean-ridge basalt, 180B1:12
ophiolites, 180B1:2-4
- Paquate sandstone (New Mexico), fatty acids, 169B3:17
- Parana basalts (Parana Plateau)
continental flood basalt volcanism and Tristan mantle plume, 115B5:54
hotspot activity, 115B1:7
- Parana-Etendeka Province. *See* Etendeka
- Parana Plateau. *See* Parana basalts
- Paratethys Basins, drainage system, 107B1:14
- Parece Vela Basin (Philippine Sea)
backarc spreading, 126A1:5; 126B42:636
formation, 125B11:208
opening, 125B36:593
seafloor spreading, 125A1:5; 125B1:3
volcanism, 126B42:648
- Parentis Basin (French Atlantic margin), geology, 103B2:18
- Pasca Reef (Gulf of Papua), schematic section, 133A(1)1:23
- Patagonian ice sheet, sea-surface temperature, 202B1:7
- Patton-Murray seamount platform (Gulf of Alaska)
basalts, 145B22:339-343
bathymetry, 145A8:337; 145B38:583
biostratigraphy, 145B1:4-7
organic carbon, 145B42:645-655
sediment fluxes, 145B16:247-256
site description, 145A8:335-391
- Paul Revere Ridge (Vancouver Island N), magmatic intrusions, 125B24:407
- PDW. *See* Pacific Deep Water
- Pearl River Mouth Basin (South China Sea)
sediments, 184A1:7-8; 184B19:6
stratigraphy, 184A1:50
- Peary Land (Greenland N), continental margins, 151A1:10
- Pedernales River (Venezuela)
deltaic sediment stable isotopes, 117B35:571

- stable isotopes, 105A4:209
- Pedro Bank (Caribbean Sea), carbonates, 166B6:71
- Pedro Channel (Caribbean Sea), 165A5:231–289
 - bathymetry, 165A5:234, 275; 165B17:253
 - carbonate crash, 165A8:382–383; 165B17:271–272
 - plate tectonics, 165B17:252
 - sedimentation, 165A5:245–248; 8:378–380; 165B17:267
 - seismic stratigraphy, 165A5:232–236; 165B12:209–212
 - site description, 165A5:231–289
- Peedee Formation belemnite (North Carolina), carbon isotopes, 186B12:3
- Peggy Ridge (Lau Basin)
 - lava, 135B29:529
 - morphotectonics, 135A(1)1:10
 - ridge propagation, 135B24:399; 51:819
 - sonar imagery, 135B23:373
 - spreading centers, 135A(1)5:185; 135B2:9
 - subduction, 135B25:454
- Pegia half-graben (Cyprus), uplifts, 160B54:733
- Pelagian block (Mediterranean Sea), carbonates, 160B33:433
- Pelagian Sea (Mediterranean Sea)
 - geology, 107A3:50
 - isopach features, 107A3:56
- Pelagonian Zone (Greece), tectonics, 160B51:682–683
- Pentecost Island (Vanuatu)
 - horsts, 134A1:13
 - petrology, 134B16:342
 - sedimentary basins, 134B2:35
 - subsidence, 134A3:38–39
 - tectonics, 134B2:23–24
 - uplifts, 134A3:33
- Perapedhi Formation (Cyprus)
 - geology, 160A9:291; 160B54:743
 - petrography, 160B36:455
- peri-Tyrrhenian Basins, seismic stratigraphy, 107A2:31
- peri-Tyrrhenian orogeny, unconformities, 107B38:726
- Permian. *See* Hodgkinson Formation
- Persian Gulf
 - celestite, 103B10:166
 - outflow water influence on dissolution, 117B18:315
 - overflow as North Indian Intermediate Water source, 117A4:45
 - palynology, 123B21:434
- Perth Abyssal Plain (Western Australia)
 - biostratigraphy, 120B(2)62:1084–1088
 - marine magnetic anomalies, 123B36:659, 662
- Perth Basin
 - glauconitic sediment, 120B(1)9:113
 - See also* Osborne Formation
- Peru
 - palynology, 123B21:434
 - temperature calibration, 141B20:264
 - volcanism, 201B19:3
 - See also* Coastal Current; San Nicolas batholith
- Peru Basin
 - carbonate mass accumulation rates, 138B42:832
 - deep water, 138B42:831
 - metabolic activity, 201A1:1–81
 - oxygen isotopes, 201B7:5
 - site summary, 201A1:18–22
 - surface sediments, 138A(1)8:101–102
 - tectonics, 138B35:723
 - total organic and inorganic carbon, 201B8:5
- Peru-Chile Countercurrent, oceanography, 202A1:113
- Peru-Chile Current
 - carbonate crash, 206B4:3
 - circulation, 112B22:369
 - diatoms, 128A1:16
 - oceanography, 202A1:4–6, 113
- Peru-Chile Trench
 - arc volcanism, 141A3:24
 - biostratigraphy, 141B15:213–221
 - deep water, 138B42:831
 - site description, 202A5:1–64; 6:1–68
 - stress direction, 111B10:116; 121B35:697
 - tectonics, 202A1:6–7
 - See also* Peru Trench
- Peru Countercurrent
 - ocean circulation, 112B22:369
 - upwelling activities, 112A10:139; 112B22:376
- Peru Current
 - biomarkers, 138A(1)11:302
 - clay mineralogy, 112B5:75
 - coastal currents, 112A10:139
 - Coriolis effect, 112A10:139
 - ecology, 138B13:306–307
 - ocean circulation, 138A(1)1:6–7, 10; 10:191; 138B1:6–8; 22:503–504; 25:558; 27:605, 611–613; 33:675; 44:864
 - ocean currents, 112A10:139
 - oceanography, 202A1:4–6
 - sedimentation rates, 138A(1)11:313
 - upwelling activities, 112A1:11; 10:139; 112B22:376
- Peru margin
 - amino acids, 201B12:1–7
 - Andean strike, 112A6:91
 - bathymetry, 112A2:25–26; 3:45, 56; 112B2:18
 - biostratigraphy, 117B5:138; 124B24:342
 - Central Peru record (CDP–2), 112A7:110–115, 117, 124
 - Chimbote area, 112A9:131–137
 - coastal batholith emplacement, 112A6:98
 - continental crest/accretionary complex contact, 112A1:8
 - core and dredge sample locations, 112A6:94
 - D-phosphate nodules, 127/128B(1)2:38
 - diagenesis, 112A1:16–18
 - dissolved carbohydrates, 201B10:1–10
 - dissolved organic carbon, 201B9:1–10
 - dolomite, 201B13:1–34
 - Eocene exposed surface, 112A6:97
 - Eocene unconformity, 112A1:8
 - forearc basins, 112A1:5, 11–20; 112B4:44
 - geography, 112B28:466
 - inner trench wall, 112A8:125–126, 128
 - lithology, 112A6:93
 - location, 112A5:78
 - major cation concentrations, 201B11:1–19
 - metamorphic basement, 112A6:95–99

- methane in situ determination, 201B20:1–11
microbiology, 112A2:39–40; 127/128B(1)45:755, 757,
759; 46:761, 769, 773; 201A1:1–81; 201B6:1–20
mid-slope basins, 112A7:111; 8:126–128, 130
morphology, 112B2:17–18
navigation data, 112A3:45–46, 48–55
Nazca plate, 112A8:125, 128
nonaccretionary–accretionary transition, 112A1:9;
7:109
northern record (CDP-3), 112A1:7–9; 7:111–116, 118,
120–123; 9:131–136
oceanography, 112B4:43
Oligocene unconformity, 112A1:9, 20
onshore-offshore structures, 112B5:60
organic carbon, 117B32:534
organic matter, 201B4:1–21
outer-shelf structural high, 112A2:17; 6:91
physical properties, 112A2:41; 127/128B(2)80:1277;
201B18:1–18
pore water chemistry, 119A5:138; 125B22:382; 127/
128B(1)5:66; 128A5:172
radiocarbon dating, 201B15:1–15
sediments, 112A1:11; 112B4:43–44
seismic stratigraphy, 112A3:45–47, 56–57, 63, 70;
9:132–133; 17:645
South American continent western edge, 112A8:127–
129
southern record, 112A1:9, 11; 7:109–110, 112–115
stratigraphic history, 112A1:9, 11
structures, 112A1:10; 7:118–119; 17:598
subsidence history, 112B30:491
tectonics, 112A1:5; 11:197; 112B25:413–414
total organic and inorganic carbon, 201B8:1–20
transition zone, 112A1:8; 4:72–73; 9:136; 15:438–439;
17:597, 647
trench axis, 112A8:125, 128; 9:133
trench-slope break, 112B7:98
upper-slope ridges, 112A6:91–92; 112B7:98
upwelling, 112A1:11–14; 201B15:7–8
vein fillings, 127/128B(2)75:1178
volcanic ash, 201B19:1–43
See also Ballena drill hole; Bauer Basin; Bocaña de Vir-
rila; Capo Nazca; Chira Formation; Coastal Cor-
dilleras; Delfin drill hole; Lima Basin; Pisco
Basin; Pisco Formation; Salaverry Basin; Sechura
Basin; Trujillo Basin
- Peru margin (Site 682)
bathymetry, 112A11:161; 14:364
bedding-orientation lithostratigraphy, 112B2:19
biostratigraphy, 112A14:376–383; 112B10:161–163;
12:181–189; 14:220–221; 16:274–275
bioturbation, 112A14:369, 375
clay mineralogy, 112B5:63
convergent margin tectonic transition zone,
112A14:364, 397–398
depositional environment, 112B30:493
diagenesis, 112A14:371–374
Eocene, 112B2:18
hiatuses, 112A14:398; 112B30:493
hydrocarbon gases, 112A14:383–386
inorganic geochemistry, 112A14:386–391
lithology, 112A14:365–371, 375–376; 112B7:97;
30:493; 32:517
location, 112B2:18; 4:44; 7:96, 110; 8:112, 126;
21:365; 26:414, 442; 32:518; 33:528; 36:556;
38:575
magnetic properties, 112A14:391–392
organic carbon geochemistry, 112A14:386
physical properties, 112A14:391–395
pore water chemistry, 112B25:413–437
seismic stratigraphy, 112A14:395–397
stratigraphic column, 112B28:467
structures, 112A14:374–375
tectonic evolution, 112A14:399
unconformities, 112B7:98
upwelling geochemistry, 112B30:491–502
- Peru margin (Site 685)
bathymetry, 112A11:161; 39:599
bedding-dip lithostratigraphy, 112A17:611–613
biostratigraphy, 112A17:612–621; 112B10:164–165;
11:175–178; 12:181–189; 14:224–225; 15:241;
16:274
bioturbation, 112A17:606
carbonates, 112A17:603
clay mineralogy, 112B5:74
deformation structures, 112A17:609–611; 112B2:21–
22
depositional environment, 112A17:606–608;
112B30:494
diagenesis, 112A17:603–606
heat flow, 112A17:637–641
hydrocarbon gases, 112A17:622–625; 112B31:505–
311; 32:517–525
inorganic geochemistry, 112A17:625–629
lithology, 112A17:598–603, 612, 635–636, 644–645;
112B7:97
location, 112A8:126; 112B2:18; 4:44; 7:96, 110;
8:112; 25:414; 26:442; 30:492; 32:518; 33:528;
36:556; 38:575
magnetic properties, 112A17:630–633
Miocene–Pleistocene hiatus, 112A17:645–646
organic carbon geochemistry, 112A17:625
physical properties, 112A17:633–636
pore water chemistry, 112B25:413–437
seismic stratigraphy, 112A17:636–641
stratigraphic column, 112B15:467
structures, 112A17:608–609; 112B1:8; 2:22–24
upwelling geochemistry, 112B30:491–502
water depth, 112B25:414
well-logs, 112A17:641, 644–645, 649–654
- Peru margin (Site 688)
bathymetry, 112A11:161; 20:875
bedding-orientation lithostratigraphy, 112B2:19
biostratigraphy, 112A20:891–904; 112B10:165–166;
11:175–178; 12:181–189; 15:243; 16:275–276;
46:675
clay mineralogy, 112B5:63, 74
deformation structures, 112A20:888–891
depositional environment, 112B26:442; 30:494
diagenesis, 112A20:881–885, 930
environmental deposition, 112A20:886–888
Eocene, 112B2:18; 7:98

- hiatuses, 112A20:887, 929
hydrocarbon gases, 112A20:904–906; 112B31:505–516; 32:517–525
inorganic geochemistry, 112A20:907–914
lithology, 112A20:876–881, 927; 112B7:97; 26:443
location, 112A7:110; 8:126; 10:140; 20:875;
112B4:44; 7:96; 8:112; 25:414; 26:442; 30:492;
32:518; 33:528; 36:556; 38:575
magnetic properties, 112A20:914–922, 930
organic carbon geochemistry, 112A20:906–907
physical properties, 112A20:922–927
pore water chemistry, 112B25:413–437
sedimentation rates, 112A20:930
seismic stratigraphy, 112A20:927–928
shell beds, 112B19:329–330
stratigraphic column, 112B28:467
synoptic structural logs, 112B2:22–24
tectono-sedimentary environments, 112A20:928–929
upwelling geochemistry, 112B30:491–502
water depth, 112B25:414
- Peru shelf
site summary, 201A1:30–43
total organic and inorganic carbon, 201B8:3–4
- Peru slope, site summary, 201A1:43–47
- Peru Trench
Andean orogeny, 112A17:597
diagenetic dolomite, 201B13:8–9
fluoride, 204B16:5–6
microbial activity, 201A1:1–81
microorganisms, 201B3:1–19
morphology, 112A1:7
total organic and inorganic carbon, 201B8:4–5
turbidites, 112A1:8; 4:73
See also Chimbote; Peru-Chile Trench
- Peru upper slope, total organic and inorganic carbon, 201B8:3–4
- Peru upwelling region
nitrogen isotopes, 117B35:581–582
organic carbon enrichment, 117B35:582
- Petuna Explorer* sample (Indian Ocean S), 183B2:5
- PFZ. *See* Polar Front Zone
- Philippine Basin
biostratigraphy, 124A10:146
depth anomaly, 124B33:449
rare earths, 127/128B(1)42:719
rotation, 124B39:520
- Philippine Basin W
Eocene–Oligocene geology, 125B38:628–629
evolution, 125B1:8
magnetic anomalies, 126B24:359
subocean lithosphere, 125B13:258
- Philippine Islands
active plate boundaries, 125B30:520
northward motion, 126A1:9
potassium-argon ages, 124B23:323–325
ultramafic rock and methane-rich gas seeps, 118B9:209
volcanic rocks, 124B23:325–327, 331; 35:477
See also Baloy unit; Buruanga unit; Cotabato Trench; Iloilo unit; Masbate; Mindanao; Mindoro Strait; Palawan Island; Panay Island; Tablas Island;
- Valderrama unit; Visayan Basin; Zambales ophiolite
- Philippine Islands SW. *See* Sulu archipelago
- Philippine mobile belt
collision, 124A11:197–198, 276; 13:382
geology, 124A3:39–40
potassium-argon age, 124B23:321–322
tectonics, 124B4:52
volcanism, 124B23:336–337
- Philippine Sea
active plate boundaries, 125B21:374; 42:628; 126A1:6
andesites, 126A8:271
arc volcanism, 126B2:47
basalts, 126A8:271
basement isotope geochemistry, 127/128B(2)49:805
basin origins, 124B3:43–44
bathymetry, 125A4:70; 125B1:4; 36:594
Celebes Sea and gravity surveys, 124B5:67–68
diagenetic trends, 126B8:132
geologic features, 125B1:4; 18:326; 19:344; 36:594
geology, 195A1:15–16
lead-lead plots of arc volcanic rocks, 127/128B(2)49:808
paleomagnetism, 124B3:41–42; 126B24:353, 364–365
plate boundaries, 125A20:369
radiolarians, 124B25:350–351
red clay, 124A10:183
relict spreading centers, 125A20:369; 126A1:6; 126B42:628
tectonic features, 126B24:354
tectonic maps, 131B5:58
vermiculite, 112B5:74
volcanism, 124B35:481
See also Luzon Strait (Site 773); Luzon Strait (Site 774); Luzon Strait (Site 775); Parece Vela Basin
- Philippine Sea plate
Celebes Sea, 124B1:3, 5, 7–8; 3:47
clockwise rotation, 125B31:535
collision, 184A1:4
electrical resistivity structure, 127/128B(2)84:1351
entrapment hypothesis, 125B36:595
equatorial ambiguity, 125B31:535
geological features, 125B31:536–537
geology and geophysics, 196A1:3–4
microstructures, 190/196B7:2
northward movement, 125A10:213
Pacific lithosphere subduction, 125A1:5
paleolatitude, 125B31:538, 545
reconstruction, 125A10:200
rotation, 124B34:460, 463; 125A1:11; 126A1:9; 126B4:75; 24:364, 367; 41:603
stress tensors, 131B8:104
structure, 195A1:16–17
subduction, 125B38:629; 126B42:630; 190/190A1:2; 196B1:3–4, 9–10
tectonics, 124A1:5; 3:35; 11:199; 124B26:362–364, 366–367; 39:520; 127A1:5–6; 128A1:9; 190A2:2; 191A1:5
wind systems, 124B34:460
See also Oki-Daito Ridge; Shikoku Basin; West Philippine Basin

- Philippines. *See* Philippine Islands
- Phlegrean fields (Italy)
 Campanian ignimbrites, 107B18:300
 pyroclastics, 161B12:150, 152
- Phoenix-Antarctic Ridge (Pacific plate), tectonics, 178A2:8
- Phoenix-Japanese ridge junction (Pacific plate)
 Caroline Rise, 129B32:574
 Ontong Java Plateau, 129B32:574
- Phoenix magnetic lineations (Pacific plate)
 confidence lunes, 129B33:618
 Mesozoic, 129B32:573
 paleomagnetism, 129B26:471–481
- Phoenix Ridge (Pacific plate), 129B32:574, 578
- Pianosa-Elba Ridge (Mediterranean Sea), morphology, 107A2:9
- Piceance Basin (Colorado), fatty acids, 169B3:16
- Pico de Teide (Canary Islands), timescales, 157A2:23–24; 157B27:458–459
- Piemont-Ligurian Ocean (Italy), formation, 107B1:7
- Pierre shale (Colorado), smectite, 124B31:421
- Pigafetta Basin (Izu-Mariana subduction system/Pacific Ocean W)
 bathymetry, 129B37:695
 biostratigraphy, 129B8:179–187; 9:189–201; 10:203–220; 13:247–264; 37:697–707; 130B49:801–809
 borehole logs, 129B36:673
 chert, 124E_A18:134–135
 correlation, 129B12:235
 geochemistry, 129B15:283–294; 16:295–302; 18:345–359; 19:361–388; 21:405–413; 34:635; 35:653; 185A1:1–63
 geochronology, 129B20:389–404
 hydrothermal alteration, 129B22:415–427
 Jurassic, 129B32:571; 144B38:641–647; 185B1:1–35
 Lower Cretaceous, 129B32:571
 Milankovitch cycles, 129B30:529–547
 mineral chemistry, 129B17:305–343
 oceanic crust, 129B31:553; 144B39:649–663
 paleolatitude, 129B33:615–631
 paleomagnetism, 129B23:431–446; 25:455–470
 physical properties, 129B27:485–499; 28:501–506; 144B40:665–671
 pore water, 129B14:267–281
 regional history, 129B31:553
 sedimentation, 129B2:31–79; 32:571
 sediments, 129B1:3–30
 seismic stratigraphy, 129B31:551–569
 silicification, 129B3:81
 site description, 129A2:33–89; 3:91–170; 185A3:1–128
 tectonic setting, 129B31:553
 volcanic oceanic plateaus, 192A1:4–6
 volcanoclastics, 129B5:137–152; 6:153
 well-logging, 129B29:507–527
- Pikinni atoll (Micronesian Islands)
 atolls, 144A1:3
 drilling, 144B45:769–771
 flexure modeling of atoll and guyot pairs, 144B33:583
 physiography, 144B33:566–573, 576
See also Wodejebato/Pikinni apron
- Pina well (Mediterranean Sea), tectonics, 160A4:56–57
- Pindos Nappes (Greece), rift successions, 107B38:642
- Pine Key Formation (Florida), stratigraphy, 101B27:426
- Pisano Plateau (Mediterranean Sea)
 drilling, 160A1:5
 sapropels, 160B17:207–217; 22:271–283
 tectonics, 160A5:87–88
- Pisco Basin (Peru margin), sediments, 112A20:887
- Pisco Basin E
 metamorphic basement, 112A6:91
 seismic stratigraphy, 112A18:731
 subsidence history, 112A18:706
- Pisco Basin W
 bathymetry, 112A3:45, 56; 11:161; 18:707; 112B2:18
 bedding orientation, 112B2:19
 biostratigraphy, 112A18:718–723; 112B10:165; 14:225; 15:241–242; 16:270, 273; 17:307–308; 18:323–327; 46:674
 bioturbation, 112A18:708, 735
 carbonates, 112A18:711
 clay mineralogy, 112B5:74
 correlation, 112A18:715
 deformation structures, 112A18:716–718
 depositional environment, 112A18:713–715; 112B21:360–362
 diagenesis, 112A18:711–713; 112B9:135–153
 hydrocarbons, 112A18:724; 112B31:505–516; 32:517–525
 inorganic geochemistry, 112A18:725–727
 laminated sediments, 112A1:15; 18:709, 735–736; 112B8:133; 21:359; 23:393
 lipid molecular composition, 112B34:539–544; 35:547–552
 lithostratigraphy, 112A1:15; 18:708–711; 112B7:97; 9:136; 21:358–359; 23:391–392; 27:456
 location, 112A7:110; 8:126; 10:140; 112B2:18; 4:44; 7:96; 8:112; 23:392; 25:414–440; 26:441–442; 30:492; 32:518; 33:528; 36:556; 38:575
 low vs. high oxygen, 112A18:713–714
 magnetic properties, 112A18:728, 736
 morphology, 112A6:91
 navigation data, 112A3:45–46, 49–55
 oceanography, 112A1:11–12
 organic carbon geochemistry, 112A18:724–725
 phosphatic sediments, 112B8:111–132
 physical properties, 112A18:725, 728–731
 Pliocene/Pleistocene boundary, 112A1:12
 pore water chemistry, 112B25:413–437
 pyrolysis, 112B38:573–586
 Quaternary, 112A1:12, 15
 reflection profiling, 112A3:45–47
 sea level changes, 112A18:715–716
 sediment cyclicity, 112A18:723, 729; 112B8:134; 23:396–397, 403, 405
 seismic stratigraphy, 112A3:56–57, 67; 18:731–734
 shell beds, 112B19:329; 20:343–344
 sorbed volatiles, 112B33:527–538
 stratigraphic column, 112B28:467
 subsidence, 112A1:11–12
 sulfur geochemistry, 112B27:455–462
 tectonic history, 112A1:21
 upwelling centers and biogenic signals, 112A1:15–16
 visual core description, 112B38:578

- water depth, 112B25:414
- Pisco Formation (Peru)
laminated sequence, 112A20:877
Miocene, 112A18:706; 112B1:5
Miocene–Pliocene in Coastal Cordillera, 112A18:731
veins, 127/128B(2)75:1180
- Pissouri subbasin (Cyprus)
fanglomerate, 160B43:560–562
Messinian gypsum, 160B36:459–460
- Piton de la Fournaise (Réunion Island)
eruptive history, 115B1:4
formation of Réunion Island, 115B4:44
lithology, 115A1:7
- Piton des Neiges (Réunion Island)
eruptive history, 115B1:4
feldspar-phyric lavas, 115B3:40
formation of Réunion Island, 115B4:44
lithology, 115A1:7
- Plantagenet Formation (Atlantic Ocean NW/Newfoundland Basin)
clays, 103B35:627, 629–630
sedimentation, 103B35:593; 210A1:12; 3:63–64; 210B1:30
stratigraphy, 103A12:600; 103B32:532–533, 536–539; 35:588
- Pocklington Rise (Woodlark Rise)
basement, 180B(synthesis):6
geophysical surveys, 180A2:4–5
seafloor spreading, 180B(synthesis):4
- Pocomoke aquifer (Atlantic coastal plain), 174AXS_A(summary):15
- Pohang Basin (Korea), subsidence/uplift history, 127/128B(2)76:1205–1206
- Point Conception (California S)
biomarkers, 167B12:183–194
calcareous nannofossils, 167B27:303–308
millennial cycles, 167B25:277–296
sediments, 167B22:255–261
See also Conception transect
- Poland. *See* Cieszyn limestones
- Polar Current, ocean circulation, 188A1:5–6
- Polar Front Zone
biogenic productivity, 119B48:874; 120B(1)13:192–193
biostratigraphy, 114B11:224; 120B(2)29:532; 30:541; 175B7:8; 12:2–3; 18:7–8; 177A8:12;
Cenozoic, 189A1:3; 189B1:21
changes, 114B26:475; 119B48:874
characteristics, 114B33:609–610, 625–631
Circumpolar Current, 119B11:211
climatic control, 119B12:229; 178A8:8
glaciation, 114A12:802; 114B23:419; 24:437; 25:459
hydrography, 177A1:6–7; 189A1:10–11
ice-cover control, 119B12:230
isotopic gradients, 114B23:410
Kerguelen Island, 119B13:244, 246
Kerguelen Plateau, 120B(1)1:7; (2)36:650; 46:867
location, 114B11:219; 33:611
migrations, 114A8:412; 11:637; 114B10:201, 207; 11:227; 23:415; 24:449; 26:479–480; 28:515, 527–531; 29:553; 36:674
Miocene/Pliocene boundary, 119A13:484
northward migration, 119B10:195
oxygen isotopes, 177B(synthesis):43
sedimentation rates, 114B31:595
shifts, 114B5:97
Site 704, 114B28:527
Site 748, 120A7:191–192
surface water, 177B(synthesis):11
Polar ice caps, Quaternary, 120B(2)46:867; 56:1001
Polar Record Glacier, outflow, 119B7:133
Polar regions, Cenozoic, 151A1:18–19; 13:397–420
Polarstern cores (Southern Ocean)
benthic foraminiferal oxygen isotopes, 177B14:8
sediment composition, 177B13:8–9
Polenz glaciation (Raggatt Basin)
Antarctica, 120B(1)12:162–163
Weddell Sea, 120B(2)56:1009
Poleward Undercurrent, clay mineralogy, 112B5:75
Polis Graben (Cyprus)
lithofacies, 160B37:477
uplifts, 160B54:733–734, 773
Polonez Cove Formation (South Shetland Islands)
glacially controlled deposits, 119B48:871
sediments, 119B6:79
Pontian Islands (Italy), morphology, 107A2:9
Pontine archipelago (Tyrrhenian Sea), 107B18:298
Pontine Island eruptive centers (Italy), 161B12:152
Poricy Brook (New Jersey), ostracodes, 150X_B21:289
Port Willunga Formation (upper) (South Australia), biostratigraphic datums, 182B3:17
Porto-Badajoz-Cordoba sinistral shear zone (Galicia margin), geology, 103B13:210
Porto-Badajoz-Cordoba suture (Galicia margin), geology, 103B1:3, 8, 11
Porto Basin (Portugal)
rifting phases, 210B1:6
tectonic units, 149B1:8–9
Porto Seamount (Galicia margin)
continental margin, 149B1:4, 6–7
location, 103A1:4–5; 103B42:760
tectonic units, 149B1:8–9
Portugal
Liassic subsidence, 103A5:84
neotectonic map, 149B1:5
See also Berlangas; Farilhoes; Ferreira do Alentejo-Ficalho thrust; Ferreira do Zezere-Portalegre thrust; Interior Basin; Lisbon; Loulé fault; Lusitanian Basin; Messejana fault; Minho; Monte-junto; Porto Basin; Seia-Lousã fault; Serra de Arrabida; Serra dos Candeeiros; Setubal Canyon; South Portuguese zone; Torres Vedras
Portugal Basin, red sandstone, 103A1:7
Portugal N, basement, 103B1:4
Portugal NE. *See* Vilarica fault
Portugal NW, basement, 103B1:8
Portugal S
basement, 103B1:3–8
extension, 103B1:10–11
geology, 103B1:3, 6
Portuguese margin W, geology, 149B1:3–23
post-Archean Australian shale (PAAS), 123B8:181–183

- Potomac Formation (Atlantic coastal plain)
 lithofacies model, 174AXS_A4:37–38
 lithology, 174AXS_A4:15–28; 5:41–42; 6:46–48
 stratigraphy summary, 174AXS_A4:40–41; 5:62; 6:72
- Potomac group
 biostratigraphy, 174AXS_A1:36, 44
 deposition, 171B_A6:260
 lithology, 174AXS_A1:28–29, 58
 stratigraphy, 174AXS_A1:4
- Potomac-Raritan-Magothy Formation, aquifers,
 174AXS_A(summary):14–15
- Potwar Basin (Pakistan), sedimentation, 121B39:823,
 825
- Potwar Basin/Salt Range region, dating, 121B39:826
- Powell Basin (New Zealand E), opening, 181B1:45–47
- Praganca fault (Galicia margin), 103B42:765, 767
- Prancer survey area (Ontong Java Plateau)
 drilling “avoidance” map, 130A3:59
 SeaBeam bathymetry, 130A3:58
- Prancer survey area, seismic profile, 130A3:60–61
- pre-Bounty Fan (New Zealand E), sedimentation,
 181B1:33
- Prince Charles Mountains (Antarctica)
 age determination, 120B(1)5:76
 alkali igneous intrusives, 119B1:22; 15:295
 alpine glaciation initiation, 119B5:74
 banded iron formations, 119B6:65
 clay mineralogy, 119B6:114
 Cretaceous–Eocene alkaline mafic igneous rocks,
 119B1:7
 geology, 188A1:7–8; 188B1:4
 hotspots, 120B(2)50:921
 ice cover thickness, 119B5:64
 ice-free areas, 119B5:62
 inorganic geochemistry, 120B(1)2:39, 51
 lamprophyres, 120B(1)2:38
 Phanerozoic sedimentary rocks, 119B1:7
 Precambrian igneous and metamorphic rocks,
 119B5:64–65
 red beds, 119B45:795
 schematic geologic map, 119A1:10
 topography, 119B5:64
 uplifts, 119B1:22
- Prince Charles Mountains S, glaciology, 188A1:6–7
- Prometheus II mud diapir field (Mediterranean Ridge),
 mud volcanoes, 160A1:19
- proto-Agulhas Current, Falkland Plateau, 123B39:755
- proto-Antarctic Bottom Water, 113B49:876–877
- proto-Circumantarctic Current System, Argo Basin,
 123B39:746, 754
- proto-Izu-Bonin arc, rifting, 190A1:3
- proto-Nankai Trough, turbidites, 190/196B3:10
- proto-North Atlantic Deep Water, 208A1:8
- proto-Tofua arc, tectonic evolution, 135B29:530
- Provence (France), tectonics, 160A1:15
- Providence Channel. *See* Northeast Providence Channel;
 Northwest Providence Channel
- Prydz Bay (Antarctica)
 acoustic stratigraphy, 119B1:7–17
 aliphatic hydrocarbons, 119B23:417–423
- bathymetry, 119A2:5, 11; 3:45; 8:291, 373; 119B1:6;
 6:78; 188B14:17
- bedrock topography, 119B5:64
- biogenic sedimentation, 119B6:112–113
- biology and oceanography, 119A2:35–37; 8:313–314;
 9:363–365; 10:387–390; 11:422–423, 425;
 12:466–468
- biostratigraphy, 119B26:477; 34:645–673; 41:743–
 744; 120B(1)29:524; (2)64:1109; 188B3:13–14;
 4:1–41; 5:1–12; 6:1–25; 189B4:14
- clay mineralogy, 119B6:84–86
- continental shelf geology, 119B6:116–118; 48:875–
 876
- deposition, 119B1:18–19; 6:115
- diamictites, 119B8:154; 120B(2)56:1010–1011
- drifting sediment trap deployment, 119A4:111
- drilling deformation, 119A2:15; 8:295; 12:461–462
- Eocene–Oligocene transition, 189B1:14
- evolutionary models, 119B1:20–21
- geographic setting, 119B6:80–81
- geologic noise, 119B1:7
- geologic setting, 119A2:7–9; 119B1:5–6; 4:58; 6:80–
 81; 9:170; 19:375–377; 22:407
- geology, 188A1:7–9, 33–34
- geotechnical logging, 119B9:177
- glacial-onset unconformity, 119B1:22
- glacial sediments, 120B(1)12:163; (2)55:991
- glaciation, 119B6:77–122; 48:875–888;
 120B(2)56:1023
- glaciogenic sediments, 119A2:22–23
- grain size, 119B6:81; 8:149–150
- hinterlands, 119B5:64–69
- ice fluctuation and deposition, 119B6:122; 188B14:1–
 32
- ice loading, 119B9:176–181
- ice-rafted debris, 120B(2)44:848–849
- ice sheets, 120A5:84; 7:230
- ice sources, 119B1:20
- icebergs, 120B(1)12:173; (2)56:1019
- lithostratigraphy, 119A1:9; 119B22:413; 48:876;
 120B(2)56:1014
- magnetobiochronology, 119B46:836–846
- metamorphic clasts, 119B7:137–138
- methane, 188B15:1–15
- morphology, 119A1:7–8; 14:290
- navigation, 119A3:45, 47–85, 87–88
- nonmarine sediments, 120A5:82
- overconsolidation, 119B9:174–176
- oxygen isotopes, 119A2:10
- paleoclimatic evolution, 119A1:9–10
- paleogeographic reconstruction, 120B(2)56:1021
- particulate fluxes, 119A4:109–110
- particulate mass, 119A4:114
- physical properties, 119A2:37–39; 4:109; 8:315–328;
 9:365–369; 10:390–392; 11:425–434; 12:468–
 473; 119B2:29–35; 8:147–158; 9:174; 178B19:18
- rift history, 119B1:20
- sedimentary clasts, 119B7:134–135, 137
- sedimentary structures, 119A1:20; 119B1:17
- seismic stratigraphy, 119A1:9; 8:333–334, 336–338;
 119B1:17–18; 2:28–29

- site correlation, 188B8:1–21
- sites drilled, 120B(2)44:840
- subglacial topography, 119B6:80
- summary, 188A1:1–65
- synthesis, 188B1:1–42
- See also* Amery Depression; Beaver Lake; Charybdis Glacier; Four Ladies Bank; Fram Bank; Gamburtsev Subglacial Mountains; Godovari rift graben; HiRISC section; Ingrid Christensen coast; Lambert Deep; Mellor Glacier; Publication Ice Shelf; Svenner Channel; Vestfold Hills; Wild Canyon; Wild Drift; Wilkins Canyon
- Prydz Bay (Site 739)
 - acoustic unit correlation, 119B6:99–101
 - biostratigraphy, 119A8:304–305, 339; 119B28:518–519; 46:844; 53:942, 944–945
 - carbon isotopes, 119B41:742
 - caved-noncaved zone alteration, 119A8:328–329
 - correlation, 119A11:442–443, 448–449
 - depositional environment, 119A8:303–304, 338; 119B6:101–115
 - diagenesis, 119A8:303
 - geophysical logs, 119B14:269, 272
 - geophysics, 119A8:290–292
 - glacial processes, 119A8:303
 - glaciation, 119B1:18–20
 - glaciomarine sequences, 119B14:283–285
 - inorganic geochemistry, 119A2:35; 8:310–313
 - lithofacies, 119B6:86, 88–92
 - lithology, 119A8:289–290, 294–295, 296, 299–301, 304, 306, 339; 119B6:93, 95, 109, 127–128; 8:143–145; 14:269, 273, 286–287; 19:379–380; 48:881
 - lithoporosity logs, 119A2:39–40; 8:328–329
 - lithostratigraphy, 119A8:295–304; 119B22:408; 48:877
 - living bacterial density changes, 119B37:687–689
 - location, 119A8:289–290; 119B1:6; 2:28; 4:58; 6:81; 7:135; 8:144; 9:169; 14:264; 16:300; 18:350; 19:376; 43:751; 46:814; 48:871
 - magnetic properties, 119A2:33–34; 3:45; 8:305, 308–310
 - magnetobiochronology, 119B46:837
 - Oligocene–Miocene unconformity, 119A8:330; 119B6:97, 118; 48:884, 888
 - opal, 119B6:84
 - organic geochemistry, 119A2:34–35; 8:313
 - organic matter, 119B6:81–82
 - oxygen isotopes, 119B41:742
 - pore water chemistry, 119B19:380–383
 - preglacial–glacial transition, 119B46:837
 - sedimentary succession, 119B6:106
 - sedimentation, 119A8:310; 119B6:115
 - seismic stratigraphy, 119A2:39; 3:45, 94; 8:329, 333–338
 - source and maturity, 119B22:407–410
 - stratigraphy, 119B9:177
 - strontium isotopes, 119B41:739–742
 - synthetic seismograms, 119A2:40–41; 8:331–333
 - well-logs, 119A8:296–297, 328–330, 339, 342–344; 119B6:102; 14:269, 283–284; 19:381
 - zonation, 119A2:24, 26–33
- Prydz Bay (Site 740)
 - acoustic unit correlation, 119B6:99–101
 - biostratigraphy, 119A9:356–357; 119B28:519; 53:941–942
 - coarsening-upward sequences, 119A9:356, 374
 - depositional environment, 119A9:345, 374; 119B6:101–115
 - fining-upward sequences, 119A9:351, 353, 356, 374
 - fluvial environment, 119A9:355–356; 119B3:54
 - geophysics, 119A9:347–349
 - inorganic geochemistry, 119A2:35; 9:358, 360–362
 - lithology, 119A9:345, 350–355, 360, 372, 374; 119B6:93, 125; 7:134; 8:143–145; 42:747–748
 - lithostratigraphy, 119A9:349–356; 119B19:383; 46:836
 - magnetic properties, 119A2:33–34; 3:45; 9:357–358
 - magnetobiochronology, 119B46:836
 - organic geochemistry, 119A2:34–35; 9:363
 - physical properties, 119A9:369
 - Pleistocene–Holocene hiatus, 119B6:99
 - redbeds, 119A9:374; 119B45:797–806
 - sedimentary section, 119A9:348–349; 119B3:47–50; 42:747–750
 - sedimentation rates, 119A9:358
 - seismic stratigraphy, 119A3:45, 95; 9:369–372; 119B1:7
 - waterlogged overbank environment, 119B3:49–50
 - zonation, 119A2:24, 26–33
- Prydz Bay (Site 741)
 - acoustic Unit PS 2B, 119B1:22
 - angular unconformities, 119B4:57
 - biostratigraphy, 119A10:382–383; 119B28:519; 53:941–944
 - coal-bearing sediments, 119B4:57–60
 - depositional environment, 119A10:377, 381; 119B6:101–115
 - fining-upward sequences, 119A10:381–382, 394
 - fluvial environment, 119A10:394–395
 - geological setting, 119B6:79; 7:133; 9:170
 - geophysics, 119A10:378–380
 - inorganic geochemistry, 119A2:35; 19:385
 - lithology, 119A10:377, 380–381, 394; 119B6:93, 125–126; 7:134; 8:143–145; 20:383–384
 - lithostratigraphy, 119B6:99–101
 - magnetic properties, 119A2:33–34; 3:45; 119B19:384–385
 - magnetobiochronology, 119B46:836–837
 - nonmarine environment, 119A10:393
 - organic geochemistry, 119A2:34–35; 10:385–387
 - organic matter source and maturity, 119B22:410–411
 - Pleistocene–Holocene hiatus, 119B6:99
 - pore water chemistry, 119B19:383–385
 - preglacial environment, 119B1:18
 - sedimentation rates, 119A10:385
 - seismic stratigraphy, 119A3:45, 96; 10:392–393
 - zonation, 119A2:24, 26–33
- Prydz Bay (Site 742)
 - acoustic unit correlation, 119B6:99–101
 - biogenic-clastic facies mixing, 119A11:412
 - biostratigraphy, 119A11:413–414; 119B28:519; 46:845; 53:941–944
 - carbonate-rich zones, 119A11:407, 409

- coarsening-upward sequences, 119A11:407
 compaction and dewatering, 119A11:442
 depositional environment, 119A11:412–413, 448–451; 119B6:101–115
 flat-lying sequence hiatuses, 119B6:97, 99
 fluvial-lacustrine environment, 119A11:452
 fossil remains, 119A11:409–410
 geology, 119A4:110
 geophysics, 119A11:398–400, 447; 119B14:270
 glacial environment, 119B1:18–20
 glaciomarine environment, 119A11:412; 119B14:279–283
 inorganic geochemistry, 119A9:354; 11:415, 418–420
 lacustrine environment, 119A11:413
 lithofacies, 119B6:86, 88–92
 lithologic units, 119A11:402–405, 409–413, 448–451; 119B6:93, 97, 108, 110, 126–127, 130; 14:269; 48:881
 lithology, 119B7:134; 8:143–145; 14:271, 285; 19:385; 48:877–879
 lithoporosity, 119A2:39–40; 11:438–439
 log-inferred lithology, 119B14:285–286
 low-velocity rocks, 119A11:441–442
 magnetic properties, 119A2:33–34; 3:45; 11:415
 magnetostratigraphy, 119B43:759–760; 46:837–846
 Neogene, 119B48:888
 nonmarine environment, 119A11:397
 opal, 119B6:84
 organic geochemistry, 119A2:34–35; 11:420–422
 organic matter, 119B6:81–82
 Paleogene, 119B48:885
 physical properties, 119A11:426
 Pleistocene–Holocene hiatus, 119B6:99
 pore water chemistry, 119B19:385–387
 preglacial environment, 119A11:397; 119B1:18
 sedimentary succession, 119B6:105
 sedimentation rates, 119A11:415; 119B6:115
 seismic stratigraphy, 119A2:39; 3:45, 97–99; 9:397; 11:437, 443–447; 119B9:177
 synthetic seismograms, 119A2:40–41; 11:437–442
 unconformities, 119A11:442; 119B48:877, 880, 882
 well-logging, 119A11:406–407, 436–437, 442–443, 448–449, 451, 455–458; 119B6:101; 14:269, 281–283; 19:386; 46:838; 48:882
 zonation, 119A2:24, 26–33
- Prydz Bay (Site 743)
 acoustic unit correlation, 119B6:99–101
 biostratigraphy, 119A12:465; 119B28:519
 deposition, 119A12:462, 465; 119B6:101–115; 26:473, 475
 geophysics, 119A25:460
 glacial environment, 119B1:18–20
 inorganic geochemistry, 119A2:35; 25:465–466
 lithology, 119A12:459, 461–462, 465, 475; 119B6:95, 128; 7:134; 8:143–145; 19:385
 magnetic properties, 119A2:33–34; 3:45; 12:465
 organic geochemistry, 119A2:34–35; 119B25:466
 Pleistocene–Holocene hiatus, 119B6:99
 seismic stratigraphy, 119A3:45, 100–101; 26:473–474
 zonation, 119A2:24, 26–33
- Prydz Channel
 bathymetry, 188A1:5; 188B1:5
 topography, 119B5:64
 trough mouth fan, 119B6:80
- Prydz Channel Fan
 bathymetry, 188A1:5; 188B1:5
 ice advances, 188B14:1–32
- Prydz Channel Trough Mouth Fan
 isopach maps, 188B14:18
 seismic lines, 188B14:20
 spectral data, 188B7:1–49
See also Four Ladies Bank
- Pual Ridge (Manus Basin)
 dacite lava petrology and geochemistry, 193B2:1–31
 geology, 193A1:1–84; 193B1:4–7
 sulfide and oxide mineral chemistry, 193B3:1–31
 three-dimensional shaded relief image, 193B2:15
 volcanic architecture, 193B1:9–12
See also PACMANUS hydrothermal field; Tsukushi group
- Publication ice shelf (Prydz Bay), glaciology, 188A1:6–7
- Puebla clay (Great Australian Bight), 182B3:17
- Puerto Rico Trench, peridotites, 107B3:45
- Pukaki Rise (New Zealand E), lithologies, 181A1:15–18
- Pumpkin Rock ignimbrite (Pacific Ocean SW), volcanism, 181B1:24
- Puna (Hawaii), volcanism, 201B19:3
- Punjab, Bengal Fan mineral correlation, 116B6:72
- Punta Carballo Formation (Costa Rica), 165A4:184
- Punta Piccola (Sicily/Italy), 160B18:219–226
- Puriri Formation (New Zealand), radiolarians, 181A8:21
- purple/aqua fan growth (Amazon Fan), 155B2:24
- purple/blue/yellow channel-levee system (Amazon Fan), lithologic units, 155A6:117
- purple channel-levee system (Amazon Fan)
 core-seismic integration, 155A6:112, 117
 lithologic units, 155A17:528; 19:588
 remanent magnetization, 155A24:702
See also Amazon/aqua/purple/blue channel-levee system; Amazon/brown/aqua/purple channel-levee system
- Purple Valley, channels, 155A3:31–33
- Puturge metamorphic massif (Turkey)
 tectonics, 160B54:761, 763, 770
See also Bitlis-Puturge massifs
- Pyrenean margin, tectonics, 103A1:9
- Pyrenean orogeny
 deformation, 173A1:8
 structure, 103B2:19–20
- Pyrenean transform fault, location, 103A7:119
- Pyrenean Zone, lherzolites, 103B17:254
- Pyrenees
 carbonate gravity flows, 101B12:186–189
 Cretaceous–Eocene compressive phases, 103A5:84
 plate tectonics, 149B1:3–4
- Pyrenees W, orthopyroxene, 103B17:260–261
- Q**
 Quebec, rock magnetism, 161A7:322

Queen Charlotte Islands (British Columbia), sediment provenance, 168B5:56
 Queen Charlotte Sound, hydrothermal circulation, 168A1:7–10
 Queensland
 coastal regions, 133A(1)1:5–30
 continental margin stratigraphy, 133A(1)12:482
 Queensland continental shelf, tectonics, 194A1:4–5
 Queensland NE
 dolomitization, 133B35:513–523
 Neogene pollen, 133B10:115–125
 Quaternary vegetation, 133B9:107–114
 Queensland NW. *See* Butcher's Creek
 Queensland Plateau
 aragonite, 115B29:540, 558
 biostratigraphy, 133B1:3–18; 4:51–66
 carbonate banks, 133B17:235–254
 carbonate mineralogy, 166B6:71
 chronostratigraphy, 133B20:281–289
 coralline algae, 133B5:67–74
 evolution, 133A(1)1:22; 10:383, 385–386; 133B52:764
 geochemistry, 133B48:706–711
 idealized cross section, 133A(1)10:360; 15:622
 lithofacies, 133B37:535–540
 lithostratigraphy, 133A(1)1:13
 location map, 133B4:52
 magnetostratigraphy, 133B40:573–614
 paleoceanography, 133B33:489–498
 paleodepth, 133B11:157
 phosphatic hardgrounds, 133B36:525–534
 pre-Pliocene geological evolution, 133B17:238
 seismic sections, 133A(1)1:24
 site description, 133A(1)5:135–176
 spicules, 133B28:447–453
 subsidence, 133A(1)1:11
 Queensland Trough
 age-mean depth summary, 133B2:22
 bathymetric cross section, 133B6:79
 biostratigraphy, 133B2:19–37; 55:789
 carbonate platforms, 133A(1)16:732–734
 geophysical data, 133A(1)1:9–16
 lithostratigraphic summary, 133A(1)3:62
 paleomagnetism, 133B39:563–571
 sedimentation, 133A(1)16:703
 site description, 133A(1)16:677–679
 tectonics, 194A1:4–5
 transects, 133A(1)1:14; 133B2:21; 5:70; 52:765
 turbidites, 133B27:379–445
 Querecual Formation (Venezuela), 165B7:131–139
 Quesada sharp contortion (Costa Rica-Nicaragua subduction zone), seismicity, 170A1:7–9
 Quinault Canyon (California N)
 dispersal regional patterns, 168B5:61–62
 sedimentation rates, 168B5:52

R

R. Selli lineament (Tyrrhenian Sea)
 Pleistocene role, 107B38:722
 synrift interval, 107B38:718
 Ra's Madrakah (Oman), ophiolites, 117A4:43

Radok conglomerate (Amery group/Antarctica)
 deposition, 119B3:54
 Permian sediment source, 119B45:797
 Radok Lake (Antarctica E)
 geology, 120B(2)2:38–39
 Pagodroma tillite, 119B48:888
 Raffaello Basin (Mediterranean Sea), 160A5:87–88
 Raggatt Basin (Kerguelen Plateau)
 basalt flows, 120A5:82; 120B(1)1:23, 26–27
 basement, 120B(1)1:23, 26
 biogenic productivity, 120B(1)1:23
 biostratigraphy, 120B(1)1:23–24; 19:286
 chromium, 120B(1)1:23
 climate, 120B(1)8:107
 Cretaceous lavas, 119B15:293
 development, 120B(1)1:16; 9:99
 erosion, 120B(1)1:24
 forests, 120B(1)1:27
 geographic setting, 120B(1)19:281–282
 geologic setting, 120B(1)17:255–256
 glauconite, 120B(1)1:23–24
 ice sheets, 120B(1)1:24
 kaolinite, 120B(1)1:23, 27
 kerogen, 120B(1)19:282
 lithology, 120B(1)1:23, 26, 28; (2)19:281
 location, 120B(2)48:895–896
 magnetic properties, 120B(1)1:24
 magnetostratigraphy, 120B(1)16:248
 porcellanite, 120B(1)1:28
 rainfall, 120B(1)1:27
 sedimentation rates, 120B(1)1:27–28
 sediments, 120B(1)8:99
 seismic stratigraphy, 119A7:277, 279–280;
 120B(1)1:16, 20–23, 26
 subsidence, 120B(1)1:24, 27
 terrestrial material, 120B(1)1:27
 volcanotectonic evolution, 120B(1)9:129–130
 weathering, 120B(1)1:27
 wood, 120B(1)18:275
 See also Polenz glaciation
 Rajmahal continental flood basalts, 121A4:71
 Rajmahal traps (India NE)
 flood basalts, 115B1:7; 120A5:82
 hotspots, 115B1:3; 120B(2)50:921; 121B16:371;
 26:507, 514, 516
 Kerguelen mantle plumes, 115B5:54
 paleolatitude, 121B39:802
 plateau origin, 120B(1)5:76
 Rajmahal volcanic formation
 geologic setting, 120B(1)2:35
 inorganic geochemistry, 120B(1)2:39, 48–49
 isotope geochemistry, 120B(1)2:42, 50
 Ralik chain (Marshall Islands)
 hotspots, 144B35:610–612
 physiography, 144B33:562–564
 sedimentation and biostratigraphy, 144B42:694–697
 site description, 144A5:145–207
 Rankin trend (Australia NW)
 stratigraphic modeling, 123B37:702–710
 tectonic subsidence, 123B37:685, 695
 Raoul Island group (Pacific Ocean SW), 135B24:393

- Raritan Formation (Atlantic coastal plain)
 lithostratigraphy, 174AX_A1:32
 palynomorphs, 174AX_A1:41
See also Potomac-Raritan-Magothy Formation
- Rarotonga hotspot (Cook Islands)
 radiometric ages, 144B53:940
 stage poles, 144B35:609, 612
- Ras Muhammad pool (Egypt), 107B13:189
- Ratak chain (Marshall Islands)
 hotspots, 144B35:610–612
 physiography, 144B33:562–564
 sedimentation and biostratigraphy, 144B42:694–697
- Ratak-Marcus-Wake chain (Marshall Islands),
 144B31:542–543
- Rataman Formation (Papua New Guinea), 193A1:4
- Raton Basin (Colorado), 121B25:490
- Rawalpindi group (Pakistan), age, 121A1:16
- Red Bank Formation (New Jersey coastal plain), biostratigraphy, 150X_B10:112–114; 21:287–289
- Red Bank-Navesink Formations, 150X_B2:16
- red channel-levee system (Amazon Fan)
 high-amplitude reflection packets, 155A20:624
 lithofacies, 155B40:614
 lithologic units, 155A12:364; 20:624
 seismic facies, 155A20:621
- Red Hill member (Gran Canaria), 157B11:133
- Red River Fault Zone (China)
 offsets, 127/128B(2)82:1325
 tectonics, 184A1:4
- Red River (South China Sea), sediments, 184A1:8
- Red Sea
 carbon isotopes, 117B17:299
 evaporation influence, 117B17:291–292
 geology, 123B42:794–797
 manganese crust, 125B18:333
 methane/ethane ratio, 204B15:38
 outflow water, 117B17:300; 18:311, 315
 overflow as North Indian Intermediate Water source, 117A4:45
 productivity, 117B17:292, 299
 seafloor spreading, 125B24:341
 vermiculite, 112B5:74
See also Zabargad Island
- Reed Bank (South China Sea)
 Cagayan Ridge collision, 124B4:59–61
 depositional history, 124B4:53–54
 geological evolution, 124B9:123
 sediments, 184A1:7–8
 tectonics, 124B4:52–53
See also Liyue Bank
- Rekohu Drift (Pacific Ocean SW)
 lithologic units, 181A1:27–31
 sedimentation, 181B1:35–36
 site description, 181A8:1–137
 upper Neogene, 181B1:53
- Rennell Trench (New Caledonia)
 spreading ridges, 130B43:700
See also Papua-Rennell-New Caledonia subduction zone
- Resolution Guyot (Mid-Pacific Mountains)
 basalt alteration, 144B28:475–477, 482, 484
- carbonate clay mineralogy, 144B26:459–468
 comparison with NW Pacific guyots, 144B53:945
 foraminifer ooze, 144B41:684–686
 guyot origin and evolution, 144B53:942
 phosphatized shallow-water limestone, 144B22:422
- Réunion hotspot
 predicted path, 121B26:514, 516
 relative motion model, 121B38:770
 vs. present location, 121B39:812, 818–819
- Réunion Island
 eruptions, 115A1:8–9; 115B1:4; 4:43; 40:735
 flood basalt volcanism, 115B1:9; 2:19
 formation, 115B4:43–44
 hotspots, 115A1:5; 4:128, 130; 10:758; 121B38:770
 lava silica-alkali content, 115B3:25
 lithology, 115A1:7
 mantle plume magma, 115B5:55–60
 paleolatitude, 115A12:919; 115B1:8; 11:116
 position in relation to Deccan traps eruption, 115B11:114
 tholeiitic basalt volcanoes, 121A15:526
 volcanism, 115A1:7
See also Piton de la Fournaise; Piton des Neiges
- Reykjanes-Mohn line (Atlantic Ocean N), volcanic history, 151A1:11–16
- Reykjanes Ridge
 physiography, 152A1:6–7
 Pleistocene–Miocene volcanic ash, 104A4:82
 seafloor spreading, 151B17:309–310
 tephra, 104B17:337
 water-mass exchange, 162A1:13
- Rheic Ocean suture, Paleozoic, 103B1:11
- Rheno-Hercynian Zone, geology, 103B1:10–11
- Rhine Graben, compressive phases, 103A5:84
- Rhodes, tectonics, 160A1:6
- Rhum layered intrusion (Scotland), 118B26:487
- Rif-Betic Mountains (Morocco), deformation, 173A1:8
- Rif chain (Morocco)
 metamorphic rocks, 161B20:291
 Miocene, 161A1:6–8
 paleogeography, 161B44:556–559
 pollen sources, 161B36:463
 tectonics, 161B26:350–351
 terrains, 161B44:557
- Rifian Corridor (Morocco), geology, 114B25:470
- Rift Valley (Atlantis II Fracture Zone)
 flanks, 118B21:364–366
 present-day bathymetry, 118B21:396
 wall heights, 118B21:364, 366
- Rig seismic cruise (Great Australian Bight Basin), Kerguelen Plateau, 120B(1)1:9–10
- Rimini (Italy), geology, 120A6:108
- Rio Grande Rise (Atlantic Ocean S)
 biostratigraphy, 113B53:945; 120A3:66; 120B(2)35:639
 carbonate paleoredox conditions, 115B39:709
 hotspot activity flood basalt volcanism, 115B1:7
 rip-up clasts, 120B(1)9:118
- Rockall Bank, calcium/magnesium gradient, 115B34:642
- Rockall-Hatton Bank (Atlantic Ocean N)
 tephra, 104B17:337

- transects, 152A1:13–14
water-mass exchange, 162A1:13
See also Hatton-Rockall Basin
- Rockall margin, well-ties, 163B1:5
Rockall margin W, evolution, 104B51:1047
Rockall Plateau
basalts, 105B52:1002–1003; 162A3:79
biostratigraphy, 162B2:21–22, 24–26; 3:44–45; 5:63–81
Eocene unconformity, 105A5:522
glaciation, 162B12:179–190
lava flows, 152B32:387–402; 40:488, 495–497
melt composition, 163B11:121
paleomagnetism, 104A4:169
Pleistocene, 162A3:88
Pleistocene–Miocene volcanic ash, 104A4:82
sediments, 104B33:666–668
- Rockall Trough
sedimentation, 152B1:15–17
volcanic history, 151A1:12–16; 151B1:11
- Rodrigues Island (Mascarenes)
basalt, 115A1:7
formation, 115B4:44
lithology, 115B1:4
- Rodrigues Ridge
formation, 115B1:3
hotspot activity, 115A1:7
west-northwest volcanic trend, 115A1:7
- Rodriguez triple junction (Indian Ocean), tectonics, 179B(synthesis):4
- Røesnæs clay formation (Denmark), 151B33:585
- Roman Ruins (Manus Basin)
hydrothermal fields, 193A1:5–7; 193B1:7; 2:3–4, 6
iron-manganese-silica deposits, 193B9:7
location, 193A1:61
- Roman volcanic province, 107B18:292
- Romanche Fracture Zone (Atlantic Ocean equatorial)
geology, 108A5:328; 108B3:32
Neogene, 208A1:10–11
North Atlantic Deep Water advection, 108B16:281
oceanography, 154A1:6, 8
paleogeography, 159B35:489
Site 662 relationship, 108A7:487, 489
Site 663 relationship, 108A8:557
slump deposits, 108A9:621
stratigraphic hiatus, 108B4:63
thermal diagenesis, 159B7:53
- Romanche transform zone
gabbro high-temperature deformation, 118A3:51
hydrogrossular, 125B18:333
- Ronda Massif (Spain)
extensional basins, 161A1:9–10
fault zones, 149B36:583
metamorphic rocks, 161A6:230
metamorphism, 161B19:274; 23:309–314; 44:571
mineral composition, 103B17:265–266
peridotites, 103B17:260–261
phase equilibria, 161B44:567
plagioclase, 103B17:254–255
- Ronlap atoll complex (West Pacific Seamount Province),
flexure, 144B33:577
- Roo Rise (Sunda9-Java Trench)
formation, 123B4:104
fracture zones, 123B36:667
volcanic pile, 123B31:578
- Roque Nublo group (Canary Islands)
evolution, 157B9:101, 110, 112; 27:453, 458
geochronology, 157B11:134, 137–138, 140
photomicrograph, 157A7:356
Pliocene, 157A8:414–415; 157B20:353
- Roque Nublo stratocone, Pliocene, 157A2:21–22; 7:341
- Rosalind Bank (Nicaragua Rise)
bathymetry, 165A5:234, 275
seismic stratigraphy, 165A5:232; 165B12:209
- Roseau ash (Dominica), genesis, 132B5:63
- Rosella (Italy), sapropel age, 160B14:187
- Rosetta Formation (Egypt), sediments, 160B38:496
- Ross continental shelf (Antarctica), 119B6:79
- Ross ice shelf
circulation, 114B31:590
Ice Stream B, 119B6:115
palynomorphs, 188B3:14–16
Pliocene expansion, 113B53:957
- Ross Sea
Antarctic Bottom Water, 119B12:232
diamict organic carbon content, 119B6:113
glacial sediments, 119A1:10; 8:340; 119B48:872; 120B(1)12:162; (2)56:1002, 1010
glaciation, 119B6:118–119; 10:201; 38:695
ice-rafted debris, 113B9:125; 49:875; 119B48:873, 886; 120B(2)56:1111
ice sheets, 119B6:121; 120A7:230
ice-shelf expansion, 119B13:248
icebergs, 120B(1)12:173; (2)56:1019
nannofossils, 120B(2)64:1105
Oligocene unconformity, 119B48:872, 885
organic matter recycling, 119B23:417
Pliocene–Pleistocene record, 119B6:79
siliceous surface sediments, 119B6:112
velocity vs. depth, 178B19:18
- Rossel Island (Papua New Guinea), 180A1:33
- Rost syncline (Norwegian Sea)
formation, 104A1:14
location, 104A1:8
- Rota-1 (Pacific Ocean NW)
operations, 191A5:13–15
tectonics, 191A1:5
- Rouen Mountains (Alexander Island), 178B8:9
- Rough Basement transect (Juan de Fuca Ridge),
168A5:101–160
basement, 168A1:12–14
drilling, 168A1:18–20
geochemistry, 168B8:99–100
secondary minerals, 168A4:73
site description, 168A5:101–160
stratigraphy, 168B5:53
- Ruaba unit (Trobriand Basin), 180B(synthesis):7
- Ruby Seamount (Mariana Islands), 125B16:303
- Rurutu hotspot (Cook-Austral volcanic chain)
geochemistry, 144B31:541, 543
radiometric ages, 144B53:940
stage poles, 144B35:607, 609–610, 612

Russia
 volcanic ash, 128A4:156–157
See also Sikhote-Alin; Ukelayat subterranean; Vladivostok

Ryberg Formation (Greenland E)
 basalts, 152A13:289
 Cretaceous, 152B10:139
 preglacial sedimentary basin fillings, 163X_A8:5
 unconformities, 152B41:520

Ryukyu arc (Japan)
 volcanic ash, 126B30:463
 volcanic history, 126B3:68

Ryukyu arc-trench system, geology, 195A1:23–27

S

Saanich Inlet (Vancouver Island)
 geology, 169S_A2:14
 Quaternary, 178A2:16–17

Sabah
 geological evolution, 124A3:39; 124B9:123, 126–128; 23:334–335
 magmatism, 124B23:326, 328
 potassium-argon age, 124B23:335
 stratigraphy, 124B9:126
 tectonics, 124B4:51
 turbidites, 124B32:443–444
 volcanic rock geochemistry, 124B23:335
 volcanism, 124B4:60; 23:336–337
See also Libong Formation; Trusmadi Formation

Sabatini eruption (Italy), pyroclastics, 161B12:152

Sabine Bank (Vanuatu), petrology, 134B17:353

Sacramento River (California), drainage, 167B32:372

Sado Island (Japan Sea)
 Japan Sea stress field, 127/128B(2)75:1185
 uplifts, 128A4:158

Sado Ridge, basement, 128A3:70, 73, 76

Sadowa gabbro (Woodlark Basin), tholeiites, 180B(syn-thesis):6

Sahara
 aridity cycles, 108B15:255
 climatic history, 108B15:257
 diatom record, 108B10:155–156
 eolian sedimentation, 161B40:513
 Messinian salinity crisis, 108B15:255
 meteorological factors, 108B9:143
 monsoonal effects, 108B9:147
 Northern Hemisphere glaciation, 108B15:241
 sandstone, 160B45:584
See also Sahel/Sahara boundary

Saharan air layer
 dust transport, 108A4:221; 108B10:149; 15:241
 Site 659 relationship, 108A4:223
 zonal mid-tropospheric jet, 108A2:32

Saharo-Arabian region, climate, 117B15:278

Sahel, aridity cycles and monsoonal effects, 108B9:147

Sahel/Sahara boundary
 latitude changes, 108B6:105
 trade winds, 108B6:98, 101

Sahelian cycle, wind transport, 107B12:184

Sahul Bank (South China Sea), paleoceanography, 184A1:8–10

Saipan (Mariana Islands)
 lava, 125B12:232
 leucocratic plutonic rocks, 126B42:630
 magnetic declination anomalies, 126B24:359, 362
 volcanic highs, 126B42:630

Sakhalin Island, geology, 127/128B(2)76:1206–1207, 1210; 128A1:15

Sala y Gomez-Nazca Ridge complex (Pacific Ocean E), deep water, 138B42:831

Salar-Bonniton Basin (Newfoundland-Iberia rift)
 rift systems, 210A1:5–6
 rifting phases, 210B1:6, 8

Salaverry Basin (Peru margin)
 bathymetry, 112A3:45, 56; 11:161; 12:251; 13:307; 112B2:18
 bedding orientation, 112B2:19
 biogenic signals, 112A1:15–16
 biostratigraphy, 112A12:260–264
 brines, 201A1:31
 diagenetic dolomite, 201B13:6–8
 erosional zones, 112A13:308
 lithostratigraphy, 112A1:23; 13:323
 location, 112A7:110; 8:126
 metamorphic basement, 112A6:91
 morphology, 112A1:7–8
 navigation data, 112A3:45–47, 50–55
 Oligocene hiatus, 112A1:9
 Quaternary cyclicity, 112A1:15
 seismic stratigraphy, 112A3:45–47; 56–57, 59–62
 stratigraphic history, 112A1:9
 structural ridge separating from Lima Basin, 112A1:13
 tectonic history, 112A1:11
 upwelling centers, 112A1:13
 vein structures, 112B1:5

Salaverry Basin (Site 680)
 bacterial biomass, 112B40:607–618
 bathymetry, 112A12:251
 biostratigraphy, 112B10:160–161; 14:218; 16:268; 17:302–304
 clastic lithologies, 112A12:255–257
 clay mineralogy, 112B5:62–63
 consolidation properties, 112B43:646–648
 deformation structures, 112A12:257–258
 depositional environment, 112B26:441–442; 30:493
 diagenesis, 112A12:254–257
 geomicrobiology, 112A12:265; 13:320
 heat flow, 112A12:272–273
 hydrocarbon gases, 112B31:505–515; 32:517–525
 inorganic geochemistry, 112A12:266–267
 laminated vs. homogeneous intervals, 112B23:403, 405
 lithostratigraphy, 112A12:252–254, 257, 269–270, 273–274; 112B7:97; 9:136; 21:356–358; 22:370–371; 26:443; 27:456
 location, 112A12:251; 112B2:18; 4:44; 7:96; 8:112; 22:370; 25:414; 26:442; 30:492; 32:518; 33:528; 36:556; 38:575
 magnetic properties, 112A12:267–268
 organic diagenesis, 112B9:135–153

- organic geochemistry, 112A12:264–266
organic matter in upwelling centers, 112B39:596–602
organic-rich sediments, 112B43:640–641, 644, 646
phosphatic sediments, 112B8:111–132
physical properties, 112A12:268–272
Pliocene/Quaternary boundary unconformity, 112B7:98
pore water chemistry, 112B25:413–437
sedimentological logs, 112B4:46–48
seismic stratigraphy, 112A12:271
shell beds, 112B19:329; 20:339–344
sorbed volatiles, 112B33:527–538
stratigraphic column, 112B28:467
sulfur geochemistry, 112B27:455–462
synoptic structural logs, 112B2:22–24
upwelling, 112B22:369–382; 30:491–502; 39:595
water depth, 112B25:414
- Salaverry Basin (Site 681)
amino acids, 112B36:555–565
authigenic carbonates, 112A13:311–312
bacterial biomass, 112B40:607–618
bathymetry, 112A13:307
biostratigraphy, 112A10:161; 13:314–317; 112B14:218–219; 15:240; 16:266–268; 17:304–307
carbohydrates, 112B36:555–565
carbon, 112A13:318–319
carotenoids, 112B37:567–570
clay mineralogy, 112B5:63
consolidation properties, 112B43:640–641, 644, 646–648
depositional environment, 112A13:313
diagenesis, 112A13:310–311
geomicrobiology, 112A13:319–320
hydraulic conductivity, 112B42:633–637
hydrocarbon gases, 112A13:317–318; 112B31:505–515; 32:517–525
inorganic geochemistry, 112A13:319–320
laminated vs. homogeneous intervals, 112B23:393, 396–397
lithostratigraphy, 112A13:307–309, 327; 112B7:97; 9:136; 22:370–371; 23:391; 36:556
location, 112A13:307; 112B4:44; 7:96; 8:112; 22:370; 23:392; 25:414–440; 26:441, 442; 30:492; 32:518; 33:528; 36:556; 38:575; 39:592
magnetic properties, 112A13:320, 323
morphology, 112B36:555–556
organic geochemistry, 112B9:135–153
organic-rich sediments, 112B43:640–641, 644, 646
phosphatic sediments, 112B8:111–132
physical properties, 112A13:320–322, 324
Pliocene/Quaternary boundary unconformity, 112B7:98
pore water chemistry, 112B25:413–437
pyrolysis, 112B38:573–586
reworking, 112A13:313
seismic stratigraphy, 112A13:328
shell beds, 112B20:344
sorbed volatiles, 112B33:527–538
synoptic structural logs, 112B2:22–24
upwelling, 112B22:369–382; 23:391–405
visual core description, 112B38:578
water depth, 112B25:414
- Sale Formation (New Hebrides island arc), Neogene, 134A3:37
Salina Island (Aeolian archipelago), glass chemistry, 107B18:299
Salisbury embayment (Atlantic coastal plain) correlation, 150X_B11:141–142
deposition, 171B_A6:260
Salt Lake Crater (Hawaii), cumulate xenoliths, 144B30:525
Samaï ophiolite. *See* Semail Massif
Samana embayment (Dominican Republic), chalk, 101B13:194
Samoa. *See* Tutuila; Upolu
San Benito Mountains (California), *desautelsite*, 125B19:355
San Cristobal (Ontong Java Plateau) lava flows, 192A1:28–30
magma production, 192B1:2
See also New Britain-San Cristobal Trench
San Francisco Bay, middle Pleistocene, 167B32:372
San Nicolas Basin (Pacific Ocean NE), composite section, 167A(1)7:158
San Nicolas Batholith (Peru), plutonic igneous terrace, 112B5:75
San Pedro Basin (California S), bacteria, 146B(2)10:141
San Pedro Formation (Caribbean Sea), volcanic provenance, 165A4:184
Sandy Hook member (New Jersey coastal plain), ostracodes, 150X_B21:287–289
Sangihe arc (Indonesia) geology, 124A3:40; 124B30:399
origin, 124B3:47
potassium/argon age, 124B23:321
volcanism, 124B35:481
Sanriku (Japan) alkenones, 186B13:1–12
biostratigraphy, 186B6:1–19
core-log integration, 186B15:1–42
paleoceanography, 186B3:1–21
Santa Barbara Basin (California) alkenones, 146B(2)19:257–264
bacteria, 146B(2)10:139–144
biostratigraphy, 146B(2)1:3–18; 16:223–229; 17:233–249; 18:251–255; 20:265–279; 24:329–330
clay mineralogy, 146B(2)7:89–101
climate cycles, 146B(2)3:31–44
color density logs, 146B(2)4:45–59
geochronology, 146B(2)2:19–27
interhole correlation, 146B(2)12:169–192
iridium accumulation rates, 119B47:855
laminations, 146B(2)6:77–87
lithofacies, 146B(2)22:295–308
lithostratigraphy, 146B(2)27:347–351
magnetic susceptibility, 146B(2)11:145–168
maps, 146A(2)2:17
methane, 146B(2)15:213–218
millennial cycles, 167B32:354–355
Monterey Formation, 105B11:163
Neogene, 167B32:342–343
opal flux, 127/128B(1)26:439

- organic carbon, 146B(2)9:125–138
- organic matter, 146B(2)14:201–211
- paleoclimatology, 146B(2)21:281–293; 23:309–325
- petroleum-type compounds, 167B12:191–192
- pore water, 146B(2)25:331
- Quaternary, 178A2:16–17
- sand, 146B(2)5:61–75
- site description, 146A(2)2:15–49
- stratigraphy, 146B(2)8:103–124
- sulfur, 146B(2)14:219–229
- upper-slope sand sheets, 112A20:811
- upwelling centers, 112A1:15
- varves, 146B(2)26:333–346
- See also* Alvin Canyon fault; Blue Bottle trend; Channel Islands Province; Davidson Countercurrent
- Santa Barbara Channel
 - sedimentation, 146B(2)8:103–104
 - See also* Montalvo Trough; Oak Ridge trend
- Santa Clara River (California), sedimentation, 146B(2)5:62, 66–67; 8:103–104; 22:303–304
- Santa Elena Fault Zone (Honduras), volcanic provenance, 165A4:183
- Santa Elena Peninsula (Ecuador)
 - clinopyroxenes, 103B17:258
 - harzburgites, 103B17:255–256
 - spinel, 103B17:257
- Santa Isabel (Ontong Java Plateau)
 - lava flows, 192A1:28–30
 - magma production, 192B1:2
 - volcanic oceanic plateaus, 192A1:4–6
- Santa Lucia Bank (California N), sediments, 167B22:255–261
- Santa Lucia slope
 - calcareous nannofossils, 167B27:303–308
 - composite section, 167A(1)11:287
- Santa Maria Fracture Zone (New Hebrides island arc), faults, 134A1:13
- Santa Maria Volcano (North Aoba Basin)
 - basalts, 134A12:413–414
 - basins, 134A1:14
 - lava, 134B19:388–390; 20:398
- Santa Monica Basin (California margin), lithostratigraphy, 167A(1)9:226
- Santa Rosa-Cortez Ridge (California margin), sedimentation, 146B(2)8:121
- Santa Ynez Coastal Province (California margin), sedimentation, 146B(2)5:67–69
- Santa Ynez River, sedimentation, 146B(2)8:103–104; 11:146–147
- Santaren Channel (Bahamas)
 - ocean circulation, 165B17:267–269
 - sedimentation, 166B6:71; 15:155–166; 16:174
- Santorini (Greece), tephra grain size and thickness, 165B5:112
- Santorini (Mediterranean Sea), tectonics, 160A1:5–6
- Sardinia
 - geology, 107A3:39
 - Mesozoic–Eocene lithostratigraphy, 107A3:41
 - post-orogenic formations, 107A3:43
 - tectonics, 160A1:15
- Sardinia-Corsica margin
 - seismic stratigraphy, 107B38:617–621
 - upper basin and bordering domain, 107B38:618
- Sardinian Basin
 - acoustic units, 107B38:623
 - age dating, 107A8:420, 455
 - anoxic sediments, 107B39:642–643
 - bathymetry, 107A5:92; 8:407; 10:753–754; 107B16:246; 38:618; 44:717
 - biostratigraphy, 107A8:424–427; 10:766–769; 107B27:420–422; 30:480–484; 40:674, 676–677
 - climatic variation, 107B15:239, 242
 - conglomerate, 107B2:32; 39:664
 - depositional environment, 107A8:454–455; 10:758, 761–762, 764–766; 107B1:13; 15:229, 239, 242; 34:546–547; 39:641, 643, 649
 - diagenesis, 107B8:118
 - erosional unconformities, 107A10:785
 - event stratigraphy, 107B14:219–220
 - fining-upward sediments, 107B12:181
 - geochemistry, 107A8:433–440; 107B45:734–735
 - geodynamic setting, 107B14:221, 223
 - geologic evolution, 107B4:52
 - geologic setting, 107A8:409–410
 - grain texture, 107B45:733–734
 - heat flow, 107A10:781–784
 - horizons, 107B12:171, 181
 - igneous petrology, 107A10:766
 - inorganic geochemistry, 107A8:433–435, 438; 10:773–776
 - intergypsum layers, 107B39:649
 - intervals 1–5, 107B15:233
 - iron content, 107A8:448
 - lacustrine sediments, 107B39:646
 - lithologic units, 107A8:403, 414–419; 10:747, 755–766, 770, 776, 779; 107B1:8, 10, 23, 24; 2:29, 32; 12:170; 34:545–548
 - lithostratigraphy, 107A8:404–405, 432; 10:747, 750–752, 755–766, 770–771; 107B12:180–181; 13:193; 14:218–221; 15:231–232, 241; 35:580–581; 39:650
 - location, 107A8:406; 10:748; 107B1:5; 2:30; 3:38; 8:114; 12:170; 13:188; 18:293; 20:324; 23:363; 26:406; 28:430; 29:462; 30:480; 31:496; 33:538; 34:546; 35:580; 36:592; 39:640; 40:670
 - magnetic properties, 107A10:769; 107B8:114–122
 - magnetostratigraphy, 107B21:337–339
 - marine–continental transition deposits, 107A10:780
 - Messinian, 107A8:410; 10:749, 785; 107B1:13; 14:212, 214–217; 16:251; 39:647
 - Messinian–Pliocene transition, 107B39:651–652
 - Messinian/Tortonian boundary, 107A10:785
 - metasedimentary rocks, 107B2:29
 - Miocene, 107B16:247; 27:415, 418, 420, 423; 31:505; 44:717
 - Miocene/Pliocene boundary, 107B14:217–218
 - navigation data, 107A5:91
 - nonmetamorphic carbonates, 107B2:29
 - open marine transitional stage, 107B31:505
 - organic geochemistry, 107A8:435–440; 107B33:537–542

- oxides, 107B15:236
paleoenvironment, 107B13:179; 14:213–214
pebble horizon, 107A8:455; 10:766; 107B39:641, 645
physical properties, 107A8:428–433; 10:770–773;
107B12:176, 179, 183–184; 15:241–242
Pliocene chemostratigraphy, 107A8:409–413
Pliocene–Pleistocene, 107A8:414–415, 454; 10:784;
107B26:406–409; 28:430–451; 29:461–472;
30:484, 486; 31:505; 39:655
Pliocene/Pleistocene boundary, 107A10:757
pore water chemistry, 107A8:435, 437; 10:775–777
pre-Messinian interval, 107A8:410; 10:749
pre-Pliocene interval, 107A8:416–419, 454–455;
107B1:13; 12:172, 181; 14:221; 39:645
pre-Pliocene sedimentary cycle, 107B1:23
prerift assemblages, 107A10:749; 107B13:179
prerift/synrift contacts, 107A8:454
prerift-synrift-postrift sequence, 107A8:407, 409
provenance, 107B39:645
Quaternary, 107B31:505, 510
rifting, 107A8:407
rock clasts of sabkha origin, 107B38:647
sedimentary cycles, 107A8:418–419, 455; 10:759–760
sedimentary instability, 107A8:422; 10:766
sedimentary structures, 107A10:762
seismic stratigraphy, 107A5:93, 104–113, 118–123;
8:432–433, 440–441, 444–446; 10:771–772, 779;
107B12:169–171, 180; 38:624
shallow-marine high-energy banks, 107B1:10
siliceous sediments, 107A10:785
source areas, 107B39:647
synrift/postrift contact, 107B1:25
synrift subsidence, 107B44:718
synthetic seismograms, 107A10:780–781
tectonics, 107A8:406–407, 455; 10:748–749
tempestite deposition, 107A8:419
Tortonian, 107B39:640–641
Tortonian–Messinian, 107B39:642; 44:722
transitional zones, 107A8:415–416
Tripoli Formation–Gessoso-Solfifera Formation transi-
tion, 107B12:179
volcanic fractures, 107B44:726
well-logs, 107A8:450–452
- Sardinian margin
bathymetry, 107B14:222
crustal shear zones, 107B38:633–634
crustal thinning, 107A10:748–749, 757
diagenetic history, 107B12:184; 15:242
fault-bounded blocks, 107B38:619
geology, 107A8:427–428; 107B44:717
lithostratigraphy, 107B38:625
Messinian, 107B1:12–14; 44:718
Messinian/Tortonian boundary, 107B1:22
metalliferous sediments, 107B1:24
Miocene/Pliocene boundary, 107B1:22
open marine sediments, 107A8:423; 10:785
passive continental margin evolution, 107A3:49
peri-Tyrrhenian Basin sedimentary sequence correla-
tion, 107B12:184
rifting history, 107B38:626
sedimentary structures, 107A8:409
- seismic stratigraphy, 107A2:17–19, 22, 25;
107B38:632–633
synrift transgressive sequence, 107A10:785
tectonic evolution, 107A10:784–786
Tortonian, 107B1:12
velocity, 107B38:625
- Sargasso Sea, metals and organic carbon, 117B23:418–
419
- Sarmiento ophiolite (Chile)
magnetite-ilmenite crystals, 118B6:139
oxygen isotopes in metagabbros, 118B6:135
- Sasaoka Formation (Japan), Pliocene, 151B3:54
- Sassari-Campidano Trough (Tyrrhenian Sea), tectonic
history, 107A3:37
- Satanic Mills. *See* CSIRO sample 142421
- Satanic Mills (Papua New Guinea), hydrothermal fields,
193A1:5–7; 193B1:6; 2:3–4, 7–8
- Satellite Channel (Vancouver Island)
cores, 169S_A2:13
oceanography, 169S_A2:15–16
- Satsuma-Iwojima dacite (Japan), sulfur saturation,
126B29:451
- Saumarez Reef (Coral Sea), schematic cross section,
133A(1)1:23
- Sawa seamounts (Izu-Ogasawara arc), geology,
126B12:185
- Saxo-Thuringian Zone (Germany), geology, 103B1:8
- Saya de Malha Bank (Mascarene Islands)
basalt argon geochronology, 115B4:47, 50
basement rock nature and origin, 115A5:237
formation, 115B1:4
limestone pebbles, 115A4:128
morphology, 115B4:45
shallow-water carbonate, 115A4:152
underlying ridge, 115A1:5
See also Seychelles–Saya de Malha platform
- Scandinavia
glaciation, 162B12:184
preglacial environment, 104B9:265–267
- Scandinavian Ice Sheet
expansion, 104B9:255
Neogene glaciation, 151B27:461–465
- Scisti a Fucoidi (Apennines), paleogeography,
160B50:672
- Scoresby Sound (Norwegian Sea), volcanic rocks,
152B28:347; 163A3:29
- Scotia arc (Atlantic Ocean S)
geology, 114A6:152; 8:365, 378; 114B39:721
sedimentation, 177A8:9
volcanic ash layer source, 114A8:376
- Scotia Ridge. *See* North Scotia Ridge
- Scotia Sea
deepening and widening, 113B5:65
deepwater circulation, 113B8:112
dinocysts, 189B4:14
geology, 114A6:152, 154; 7:304; 8:365; 114B2:34, 37
spreading centers, 114B2:31
See also Discovery arc
- Scotia Sea spreading center, geology, 114B2:32
- Scotia Trench, geology, 195B1:3–4
- Scotian Basin. *See* Mic Mac Formation

- Scotian shelf, sandstone, 103B30:509
- Scotland. *See* Greenland-Scotland Ridge; Iceland-Scotland Overflow Water; Isle of Mull; Orkney Islands S; Rhum layered intrusion
- Scotland Formation (Barbados), stratigraphy, 110A1:8
- Scotland group (Barbados), geology, 110B5:59–60, 62; 27:410
- Scotland Ridge. *See* Greenland-Scotland Ridge
- Scott Plateau (Western Australia)
- Argo Basin sediment contribution, 123B1:47
 - pelagic marl, 123B5:127
 - potassium-argon dating, 123B42:792
 - stress orientation, 123B26:505
 - submarine canyons, 123B5:128
 - volcanic sediments, 123A1:7; 123B1:30
 - volcanism, 123B4:104
- SCREECH transect 2 (Newfoundland margin), marine geophysical data, 210A5:1–36
- Scripps Seamount (Gulf of Alaska), geochemistry, 144B31:541
- Scruncheon Seamount (Newfoundland Basin), age, 210B1:21
- SCT. *See* Stuart City trend
- SCW. *See* Subtropical Central Water
- Sea Girt Site
- background and objectives, 174AXS_A6:7–9
 - biostratigraphy, 174AXS_A6:48–57
 - core summaries, 174AXS_A6:82–85
 - cumulative percentage plot data, 174AXS_A6:86–90
 - lithostratigraphy, 174AXS_A6:18–48
 - location map, 174AXS_A6:65
 - operations, 174AXS_A6:9–18
 - site description, 174AXS_A6:1–104
 - site summary, 174AXS_A6:1–7
 - strontium isotope chronostratigraphy, 174AXS_A6:57–58
 - summary and future work, 174AXS_A6:58–60
- Searles Lake (California S), climate, 146B(2)11:161
- Sebahat Formation (Sulu Sea), geology, 124B4:61; 9:128
- SEC. *See* South Equatorial Current
- Sechura Basin (Peru margin), metamorphic basement, 112A6:91
- Second Spring layer (Japan Sea Proper Water), benthic foraminifers, 127/128B(1)22:365
- Seia-Lousã fault (Portugal)
- maps, 149B1:5
 - plate tectonics, 149B1:4
- Seiko Guyot. *See* Takuyo-Daisan Guyot
- Seiko seamount cluster (Pacific Ocean W), site description, 144A11:413–441
- Selvagens (Savage Islands/Atlantic Ocean N), basins, 157A2:13
- Semail massif (Oman)
- comparison of massive sulfides with Trans-Atlantic geotraverse, 158B28:390, 404, 407
 - emplacement, 117A1:5
 - Gulf of Oman, 117A5:61
 - magma mixing and fractionation, 118B1:6
 - ophiolite, 137/140B24:283, 287–289
 - oxygen isotopes in plagiogranite, 118B6:139
 - seismic reflection profiling, 118B12:246
 - Semail ophiolite, gabbros, 153B9:175
- Senja Fracture Zone (Norwegian Sea)
- evolution, 104A1:7–8
 - location, 104A1:6
 - physiography, 151A1:8–9; 152A1:6–7
- Serbia. *See* Dinarides inner
- Sergipe Basin (Brazil), foraminifers, 159B31:393
- Serocki Volcano (Mid-Atlantic Ridge)
- age, 106/109A4:39
 - alteration, 106/109A4:63–64
 - bathymetry, 106/109A4:37; 106/109B7:68
 - compositional variation, 106/109B2:11–15
 - craters, 106/109A4:42; 106/109B7:69, 84
 - crystal growth rates correlation, 106/109B11:129
 - density, 106/109A4:78–82
 - drilling, 153A1:5–6
 - electron microprobe data, 106/109A4:60; 106/109B2:12
 - elevated pressure fractionation, 106/109B2:15–16
 - evolution, 106/109B7:77, 79
 - fissures, 106/109A4:38–41
 - geologic maps, 106/109A4:43; 106/109B7:70
 - geology, 106/109A4:64–67; 106/109B1:4–7
 - hard rock guidebase (HRGB), 106/109A4:42–46
 - iron, 106/109A4:62
 - isotopes, 106/109B10:119–120
 - lava, 106/109A4:61; 106/109B1:3–5; 2:9–10; 11:129
 - lithostratigraphy, 106/109A4:50–52; 106/109B6:59; 7:68–69
 - location, 106/109A4:36–37, 39; 106/109B7:67, 68
 - low-temperature probe, 106/109B6:62–63; 10:119–120; 14:181–192
 - macroscopic features, 106/109B14:182
 - magma mixing, 106/109A4:61, 63
 - magnesium, 106/109A4:62
 - major elements, 106/109B7:69–76, 78; 10:118
 - mid-ocean-ridge basalts, 106/109A4:36
 - multiple saturation boundaries, 106/109B2:10, 13
 - petrography, 106/109A4:64–71
 - physical properties, 106/109A4:76–82; 106/109B7:82–84
 - pillow flows, 106/109A4:38, 40–41
 - pressure effects, 106/109B2:10–11, 13
 - regional comparisons, 106/109B7:73, 76
 - sediment thickness, 106/109B7:68
 - Site 396 comparison, 106/109B1:7
 - stratigraphic sequence, 106/109B8:72
 - strontium, 106/109B6:59, 63–64
 - subaerial volcano comparison, 106/109B7:76–77
 - surface morphology, 106/109B7:68, 83
 - textures, 106/109B1:4, 6
 - thermomagnetic curves, 106/109B27:300
 - three-dimensional view, 106/109B7:69
 - tools required for further study, 106/109A4:42
 - trace elements, 106/109B6:60–61; 7:69–76, 78, 81; 10:118; 11:129
 - volcanic glass, 106/109B7:82
 - whole-rock data, 106/109A4:60–61; 106/109B7:80; 11:129
 - X-ray diffraction data, 106/109A4:67, 72–73
- Serra de Arrabida (Portugal), fault maps, 103B42:770

- Serra dos Candeeiros (Portugal), geology, 103B42:767, 769
- Serrania de Ronda (Spain), metamorphic rocks, 161A6:230
- Serranilla Bank (Caribbean Sea W), seismic stratigraphy, 165A5:232; 165B12:209
- Setouchi volcanic belt (Japan SW)
clay, 190/196B4:7
turbidites, 190/196B3:10
- Setubal Canyon (Portugal), continental margin, 149B1:4, 6–7
- Sewell Point Formation (New Jersey coastal plain)
biostratigraphy, 150X_B10:118–119, 122;
174AX_A1:38; 174AXS_A2:38–39
calcareous nannofossils, 174AX_A1:38
clay mineralogy, 150X_B5:60–63
lithostratigraphy, 150X_B2:20; 8:81–87;
174AX_A1:21–23; 174AXS_A2:27–29, 52
sediments, 150X_B4:50
stratigraphy, 150X_B1:8–10
- Seychelles Bank (Arabian Sea)
basement rock nature and origin, 115A5:237
geologic evolution, 115A1:5
transition to abyssal plain, 115A6:401
- Seychelles Dikes
argon geochronology, 115B12:120
magnetic properties, 115B12:119–120
potassium-argon dating, 115B12:119–120
- Seychelles Islands
lithology, 115B4:43
See also Madagascar/Seychelles/Greater India; Mahé Island
- Seychelles-Saya de Malha platform (Indian Ocean tropical), seafloor topography, 115A1:12
- Seychelles sites
magnetic properties, 115B12:120, 122
radiometric age, 115B12:119–121
- Seymour Canal Formation (Alaska SE), clast provenance, 145B12:203
- Seymour Island (Weddell Sea)
biostratigraphy, 113B53:944; 189B3:16–17; 4:14
calcareous sequences, 113B53:939
carbon isotopes, 113B46:821–822
isotopes, 113B46:813
Maastrichtian paleotemperatures, 113B46:821
oxygen isotopes, 113B46:821; 53:941
- Shadow Mountain (Izu-Bonin arc), emplacement, 126B38:563
- Sharbithat Ridge (Oman margin), intersection with Owen Fracture Zone, 117A3:35
- Shark River Formation (New Jersey coastal plain)
biostratigraphy, 150X_B10:116, 118; 174AX_A1:38–39; 174AXS_A1:37–38; 2:38, 40
Eocene, 150X_B16:209–210
lithostratigraphy, 150X_B2:19; 174AX_A1:22, 24–26;
174AXS_A1:16–17, 53; 2:31–33, 53; 6:22–23
sediments, 150X_B4:50
stratigraphic summary, 150X_B1:8–9; 174AXS_A1:2; 5:59
See also Lower Shark River Formation; Upper Shark River Formation
- Shatsky Plateau (Pacific Ocean NW)
tectonics, 198A1:6–8
See also Conrad 1008 profile
- Shatsky Rise
Berriasian–Aptian interval, 129B32:598
biostratigraphy, 121B20:427; 132B2:15–36; 191B2:7;
198B3:1–15; 7:1–82
carbon isotopes, 120B(2):54:970
carbonates, 115B39:710; 121B13:466; 44:940;
132B6:69–79; 198B10:1–24; 11:1–16; 13:1–17
Cenozoic paleoclimatology, 198B1:1–47
coring, 132A9:235
Cretaceous siliceous rocks, 198B17:1–45
crust, 191B3:3
early late Paleocene event, 198B9:1–29
magnetostratigraphy, 132B4:47–55; 198B22:1–39
oceanic anoxic events, 198B16:1–31
opal and carbonate, 198B14:1–7
origin, 198B1:3–4
oxygen isotopes, 113B46:821
paleoceanography, 132B1:3–13
paleomagnetism, 132B3:37–45
position reconstruction, 198A1:93
sedimentation, 144B42:702–703
seismic surveys, 132A4:81; 5:133; 198A11:1–21
summary, 198A1:1–148
tectonics, 191A1:5
volcanic ash, 132B5:57–66; 186A1:8–9; 198B18:1–26
See also Central high; Southern high
- Sheba Ridge E (Gulf of Aden), seafloor spreading, 117A5:54
- Shetland Islands. *See* Faeroe-Shetland Escarpment; Unst ophiolites
- Shetland Islands S, Paleocene–Eocene glaciomarine elastic deposits, 119B48:870
- Shibikawa Formation (Japan), planktonic foraminifers zonations, 127/128B(1):27:459
- Shichiyo seamounts (Japan), geology, 126B7:185
- Shikinejima Island (Japan), white tephra, 126B3:49
- Shikoku Basin (Japan/Philippine Sea plate)
backarc spreading, 126A1:5; 126B42:636
basalts, 121B29:550
bathymetric maps, 131B12:160
geology, 190/196B1:2–4; 196A1:3–4
lithofacies, 131B27:332–333
magnetic anomalies, 126B24:359, 362
marginal basins, 180B6:21–22
opening, 125B36:593; 126B4:95; 24:364
organic materials, 131B30:379–380
plate tectonics, 131B26:316–318
rare earths, 127/128B(1):42:719
revised spreading history, 126B42:636, 638
sandstone–mudstone transition, 126B4:95
seafloor spreading, 125A1:5; 125B1:3
sedimentation, 131B2:24
sediments, 131B13:171–172; 31:391–392; 190A1:1–87
seismic stratigraphy, 131A2:15–16
stratigraphic synthesis, 131B26:313–330
structural subdivisions, 190A2:4
subduction, 126B24:364
tectonics, 131A1:5–7

- velocity-porosity relationship, 190/196B11:7
- vermiculite, 112B5:74
- volcanism, 126B42:648
- X-ray diffraction data, 190/196B5:1–28
- See also* Tanzawa massif
- Shikoku Basin facies
 - clay minerals, 190/196B5:6–7
 - lithologic units, 196A4:15
 - microstructures, 190/196B7:3
 - sedimentation, 190/196B1:8–9
- Shikoku-Parece Vela Basin (Pacific Ocean NW) formation, 127A1:10
 - geology, 124B3:44–45
 - westward opening, 126B24:362
- Shikotsu Daiichi tephra (Japan Trench), upper Quaternary tephrostratigraphy, 186B10:4
- Shillong Plateau (India), geology, 120B(1)2:38
- Shiloh marl member (New Jersey coastal plain)
 - clay mineralogy, 150X_B5:60
 - lithostratigraphy, 150X_B2:21–22
 - paleoenvironment, 174AX_A1:20–21
 - stratigraphy summary, 174AXS_A5:58; 7:50
- Shimajiri group (East China Sea), sedimentation, 195B3:2–3
- Shimanto accretionary prism, growth, 131B27:331–341
- Shimanto belt (Japan)
 - bathymetric maps, 131B12:160
 - Cretaceous and Tertiary, 190A1:2
 - Nankai accretionary prism, 131B4:52
 - sedimentation, 131B2:23, 34
 - shortening lateral indicators, 131B11:147, 151–152
- Shinkurose Ridge (Japan), basement highs, 126B27:417, 419; 44:677
- Shionomisaki Canyon (Nankai Trough accretionary prism)
 - clay, 190/196B4:8
 - submarine canyons, 190A6:7
- Shiribeshi Basin (Japan Sea), geology, 127A6:268
- Shiribeshi Trough
 - bathymetry, 127A6:251
 - free-air gravity anomalies, 127A6:253
 - sedimentation, 127A6:256–257
 - seismic stratigraphy, 127A6:307
- Shona hotspot, tectonics, 177A1:6
- Shona Ridge (Atlantic Ocean S), tectonics, 177A1:5–6
- Siberia
 - gas hydrate detection, 164B16:169
 - glaciers, 145B12:201
- Sicilian-Maghrebian chain
 - external units, 107A3:48
 - flysch facies, 107A3:47–48
 - foredeeps, 107A3:48, 50
 - Hyblean realm, 107A3:50
- Sicily
 - Miocene carbonates, 160B33:433
 - Neogene–Quaternary lithostratigraphy, 107A3:55
 - paleoclimatology, 160B18:219–226
 - pre-Burdigalian interval, 107A3:54
 - sapropels, 161A1:11
 - sedimentary structures, 107A3:52–53
 - tectonics, 160A1:15; 4:56
- See also* Gessoso-Solfifera Formation; Linosa Graben; Strait of Sicily; Tellaro Formation; Terravecchia Formation; Tripoli Formation
- Sicily Channel. *See* Gela Basin
- Sicily S. *See* Caltanissetta Basin
- Sierra Cabrera (Spain), basement outcrops, 161B43:547–548
- Sierra de Filabres (Spain), basement outcrops, 161B43:547–548
- Sierra Formation (Venezuela), volcanic provenance, 165A4:184
- Sierra Leone Rise (Atlantic Ocean E equatorial) age vs. depth, 108B16:288
 - biostratigraphy, 108A10:744–747; 11:793, 796; 12:834, 839–843; 13:935
 - carbon isotopes, 108B16:290–291
 - carbonates, 115B26:510
 - climate, 108B11:165
 - depositional history, 108A10:743–744; 11:796; 12:838–839; 13:935
 - geologic and topographic setting, 108A10:742; 11:793; 12:835; 13:932
 - geology, 108A10:755–756, 759; 11:803–805; 12:847, 850–855; 13:937–938; 108B16:282
 - hiatuses, 108A5:341
 - lithostratigraphy, 108A10:741, 743; 11:791, 793, 795–796; 12:833–834, 837–838; 13:935; 108B11:158–160
 - location, 108A7:489; 10:741; 13:931; 108B1:4; 3:25; 4:36; 5:72; 8:122; 11:159, 791; 12:833; 16:280; 28:460
 - magnetostratigraphy, 108B25:415, 418, 425; 132B4:53
 - Miocene, 108A12:834; 159B37:519–521
 - oceanography, 154A1:5
 - productivity, 108A10:742
 - Quaternary, 108B11:157–158
 - sedimentology, 108A10:743; 11:794–796; 12:836–838; 13:935
 - Site 667, 108A12:834; 13:931
 - stable isotope stratigraphy, 108B16:279–280 vs. depth, 108A10:760; 12:857
- Sierra Maestra (Cuba S), volcanism, 165B20:309
- Sierra Nevada Mountains (California) elevation increases, 104B6:212–213
 - uplifts, 167B32:371–372
- Sighetara group (Maewo)
 - Cenozoic, 134B2:23–24
 - deep-sea fans, 134A1:15
- Sikhari Formation (Cyprus), tectonics, 160B54:749
- Sikhote-Alin (Russia), basement, 127A5:177–178
- Siletz terrain (Hydrate Ridge), accretionary prisms, 204B14:5
- Simbo transform (Woodlark Basin), geophysical surveys, 180A2:5
- Sinai, Cretaceous–Paleogene succession, 160B32:412
- Singa (Mediterranean Sea) correlation, 160B12:160–161, 164
 - sapropels, 160B14:187; 161A1:11
- Singgalo Formation (Ontong Java Plateau) basalts, 192A1:12

- comparison with other Ontong Java Plateau basalts, 192A3:29
 geochemistry, 192B1:5–7
 Singgalo-type basalt, primitive mantle-normalized incompatible elements, 192B1:17
 Siqueiros Fracture Zone (East Pacific Rise)
 hydrothermal activity, 138B37:776–777
 triple junctions, 203B2:8
 Siquirah fault (Indian Ocean NW)
 acoustic basement, 117A5:61
 Oman margin, 117A5:58
 seismic reflection profiling, 117A4:43
 Sirius Formation (Antarctica), Pliocene–Quaternary emplacement of microfossils, 119B6:120
 Sirius group (Transantarctic Mountains)
 glacial sediments, 120B(2)56:1007
 palynomorphs, 188B3:6, 9
 Sirius till (Antarctica), age, 114B31:594, 596
 Sirius till equivalent, marine
 Site 699, 114B31:594
 Site 701, 114B31:594
 Site 704, 114B31:594
 Sirte Abyssal Plain (Mediterranean Sea), geology, 160A10:337; 13:451
 Sisquoc Formation (California), comparison to Miocene, 167B32:368
 Site 19, oxygen isotopes, 114B27:492; 119B48:882
 Site 20
 Eocene–Holocene latitudinal gradient and oxygen isotopes, 119B38:709
 geochemistry comparisons with Leg 114, 114B27:508
Stensioina beccariiiformis, 114B27:500
 Site 21
 carbon isotopes, 114B27:508
 oxygen isotopes, 119B38:709
Stensioina beccariiiformis, 114B27:500
 Site 31, Miocene–Oligocene basaltic microlapilli, 121B25:491
 Site 53, arc volcanism, 126B42:648
 Site 61, lithostratigraphy, 129B31:555
 Site 62, biserial planktonic foraminifers, 130B12:240
 Site 77
 high-latitude site comparison, 119B38:713
 location, 119B38:714
 Oligocene, 130B15:279
 Oligocene/Miocene boundary, 121B11:249
 oxygen isotopes, 119B38:715; 121B2:51
 stable isotopic stratigraphy, 108B16:291; 121B11:250
 Site 79, physical properties, 127/128B(2)63:1010–1015
 Site 94
 diatoms, 112A17:615
 Eocene, 121A6:129; 121B6:173, 177
 Site 95, oxygen isotopes, 119B38:709
 Site 98
 carbon isotopes, 114B27:494
 Leg 114 comparisons, 114B27:508
 oxygen isotopes, 114B27:486–487
 Site 99, “black shales,” 113B15:194
 Site 100
 basal sediments, 123A1:12
 “black shales,” 113B15:194
 mid-ocean-ridge basalt, 129B19:377–378
 Site 101, “black shales,” 113B7:95
 Site 105
 basal sediments, 123A1:12
 biostratigraphy, 123A3:44; 123B40:763, 770, 776
 “black shales,” 113B15:194–195
 mid-ocean-ridge basalt, 129B19:377–378
 Site 116
 biostratigraphy, 114B10:208; 162B3:37, 42–43
 pore water, 115B34:642; 127/128B(1)36:638; 162A3:79
 Site 117, olivine basalt, 162A3:79
 Site 119, stable isotopic stratigraphy, 108B16:291
 Site 121
 biostratigraphy, 107B27:421
 Messinian gypsum, 160B36:459
 Site 122
 coring summary, 201A7:79–81
 gravel, 161B1:16
 Messinian gypsum, 160B36:459
 Site 124
 calcareous nannofossils, 107B31:505
 Messinian gypsum, 160B36:459
 Site 125
 bathyal environment, 107B14:211
 Messinian gypsum, 160B36:459
 oxygen isotopes, 107B23:361
 planktonic foraminifers, 107B38:689
 trace metals, 127/128B(2)85:1361
 Site 126, trace metals, 127/128B(2)85:1361
 Site 127, trace metals, 127/128B(2)85:1361
 Site 128, trace metals, 127/128B(2)85:1361
 Site 129, lithology, 107B1:24; 160B36:459
 Site 130, trace metals, 127/128B(2)85:1361
 Site 132
 bathymetry, 107B38:618
 biostratigraphy, 107A9:605; 107B1:22; 28:451; 32:513
 clay mineralogy, 107A8:448
 enrichment, 107B24:395
 evaporates, 107B1:13; 14:211; 38:718
 isotopes, 107B1:24; 23:374, 380, 24:387, 390, 393–394, 396
 lithostratigraphy, 107A9:599–601, 605, 609–612
 location, 107B3:38
 Messinian gypsum, 160B36:459
 Neogene stratigraphy, 107B25:401
 paleoenvironment, 107B20:327–328
 Pleistocene hiatus, 107B24:397
 Pliocene–Pleistocene, 107A2:18; 107B20:323; 39:655
 rifting history, 107B44:722
 sand deposition, 107A9:633
 sapropels, 107A8:420
 sedimentation rates, 107A9:612–614
 seismic stratigraphy, 107A9:605
 site approach, 107A9:607
 subsidence history, 107B38:718
 Site 134
 evaporates, 107B1:13
 Messinian gypsum, 160B36:459
 stable isotopes, 107B24:387

- Site 135, "black shales," 113B15:195
Site 137, "black shales," 113B15:195
Site 140
 biostratigraphy, 108B2:16; 115B15:182; 16:247
 Site 657 relationship, 108A2:32–33
Site 141, paleoenvironment, 127/128B(1)19:338
Site 144, carbon isotope Leg 114 comparisons, 114B27:508
Site 147, lithologic units, 165B4:87–89, 95
Site 148, siderite, 127/128B(1)34:612
Site 149, biostratigraphy, 108A5:340; 108B3:29; 188B3:14
Site 149/GC47, palynomorphs, 188B3:14
Site 152, oxygen isotopes, 119B38:709
Site 155, physical properties, 129B27:490
Site 157, carbonate stratigraphy, 114B28:522–524
Site 158, carbonate stratigraphy, 114B28:522–524
Site 162, carbonate content, 199A10:28
Site 163, physical properties, 129B27:490
Site 166, reflectance vs. wavelength, 199A5:17
Site 167
 biostratigraphy, 129B11:221–228
 "black shales," 113B15:195
 carbonate sediments, 123B39:752
Site 169, paleomagnetism, 191B8:2, 5–6
Site 170, paleomagnetism, 191B8:2, 6
Site 171
 foraminiferal ooze, 144B41:684
 paleomagnetism, 191B8:2, 6–7
Site 173
 biostratigraphy, 128A4:165; 127/128B(1)14:237
 paleoclimatology, 127/128B(1)27:459
Site 174, comparison with Site 892, 146A(1)7:318–319
Site 181, vein structures, 112B1:7–8
Site 194, lithology, 185A1:40; 4:54
Site 195
 biostratigraphy, 129B11:221–228
 lithology, 185A1:40; 4:54
Site 196
 biostratigraphy, 129B11:221–228; 13:247–264
 lithology, 185A1:40; 4:54
Site 197, lithology, 185A1:40; 4:54
Site 198, biostratigraphy, 129B13:247–264
Site 199
 lithostratigraphy, 129B31:555
 seismic stratigraphy, 129B31:565
 Sites 585 and 802 correlation, 129A4:189
 Tertiary, 129B31:562
Site 200, foraminiferal ooze, 144B41:684–686
Site 207, austral nannofossils, 120B(1)21:361
Site 208
 biostratigraphy, 114B4:75; 6:123–124, 127; 13:289–291
 Eocene, 121A6:129
 Oligocene hiatuses, 125B4:71
 Paleocene, 121B6:173, 175, 177
 site comparisons, 114A5:106; 7:276; 9:498
Site 209
 paleoceanography, 133B19:263–280
 stratigraphy and facies, 133A(1)4:77
 tunicate spicules, 133B28:450
Site 210
 biostratigraphy, 133B54:779–785
 Oligocene hiatuses, 125B4:71
Site 211
 biostratigraphy, 120B(2)62:1080–1081
 clastic turbidites, 123B8:186–187
 incompatible element ratios, 121B32:639
 magnetic anomalies, 121A1:24
Site 212
 biostratigraphy, 120B(2)62:1081
 calcareous turbidites, 123B8:186–187
 carbonate compensation depth, 115A1:13
 magnetic anomalies, 121A1:24
 paleolatitude, 121B24:469
Site 213
 biostratigraphy, 116B19:239; 121B3:77
 brown clay, 121B24:467
 carbonate-poor siliceous ooze, 121B24:467
 hotspot models, 121B38:771
 magnetostratigraphy, 121A1:24; 121B38:766–768
 paleolatitude, 121B24:469
 siliceous ooze, 123B8:186–187
Site 214
 age, 121B30:561
 barium, 115B37:688
 basal sediment depositional environment, 121B30:560–561
 basalts, 121A10:275; 15:525–530; 121B30:561–562, 565, 572, 574–582; 31:592
 basement, 121A1:13
 bathymetry, 121B38:764
 biostratigraphy, 114B6:123–143; 117B4:94; 121A6:129; 121B3:77; 6:173, 177
 Eocene/Oligocene boundary carbonates, 115B25:481
 ferrobasalts, 121A1:13
 geochemistry and eruption age, 121B32:633
 hotspots, 121B38:769, 771–773, 776
 incompatible elements, 121A15:530; 121B30:577, 580
 iron oxide/magnesium oxide ratio, 121B28:526
 isotopes, 115B20:318; 121A1:14; 121B11:247; 30:572–573, 578–579
 lava evolution, 121A1:14
 lithology, 121B28:526
 magnetostratigraphy, 121A1:24; 121B38:766–768; 39:869
 Miocene, 115B20:339
 oceanic andesites, 121B30:572
 Paleogene, 115B20:322
 paleolatitude, 121B24:469
 postmagmatic alteration, 121B30:563–564
 rare earths in basalts, 121B30:576
 Site 756 comparison, 121A10:277
 subaerial eruptions, 121A15:524
 titanomagnetite fractionation, 121B30:577
 volcanic ash, 121B32:633
Site 215
 bathymetry, 121B38:764
 Bengal Fan deposits, 115B31:598, 600
 biostratigraphy, 116B19:239; 121B3:77
 hotspots, 121B38:769
 incompatible elements, 121B32:639

- magnetostratigraphy, 121A1:24; 121B38:766–768;
 39:869
 ridge jumps, 121B38:765
- Site 216
 basalts, 121A1:13; 10:275; 15:525–530; 121B30:561–
 562, 565, 572, 574–582; 31:592
 bathymetry, 121B38:764
 Bengal Fan deposits, 115B31:598, 600
 biostratigraphy, 115B20:323, 326; 24:433;
 120B(2)62:1081; 121B7:189
 cibicidid carbon isotope values, 115B20:318
 ferrobasalts, 121A1:13
 glauconitic sediments, 120B(1)9:113
 hotspots, 121B38:769, 771–773, 776
 incompatible elements, 121A15:530; 121B30:577, 580
 iron oxide/magnesium oxide ratio, 121B28:526
 isotopes, 121B2:51; 11:247; 30:572–574, 578–579;
 31:603
 lavas, 121A1:14; 10:277
 lithology, 121B28:526
 magnetostratigraphy, 121A1:24; 121B39:869
 Oligocene, 115B20:331, 333
 Paleocene–Eocene planktonic foraminifers, 121B3:77
 paleolatitude, 121B24:469; 39:818
 paleomotion, 121A1:18
 postmagmatic alteration, 121B30:563–564
 rare earths in basalts, 121B30:576
 ridge activity earliest record, 121B31:591
 ridge formation paleomagnetic record, 121B38:766–
 768
- Site 217
 barium, 115B37:688
 bathymetry, 116B31:378; 121B38:764
 biostratigraphy, 115B3:33, 20:323–324;
 120B(1)20:310; (2)62:1082; 121B3:77
 hotspots, 121B38:769, 771–773, 776
 magnetic inclination, 121B39:869
 Oligocene, 115B20:333, 335
 organic carbon, 121B24:467
 Paleogene, 115B20:322; 119B38:695
 paleolatitude, 121B24:469
 ridge formation paleomagnetic record, 121B38:766–
 768
 unconformity correlation, 116B7:75; 32:398, 402–
 403, 405
- Site 218
 bathymetry, 116B31:378
 biostratigraphy, 114A9:498
 clay mineralogy, 116B4:37–38; 5:55–56
 deformation, 116B22:269
 lithostratigraphy, 116B6:59; 8:103
 sedimentology, 116A1:7; 116B32:397
 seismicity, 116B22:261
 unconformity correlation, 116A7:197
- Site 219
 bathymetry, 116B31:378
 biostratigraphy, 115B19:310; 20:318, 325, 334;
 23:418; 24:434–435, 437, 452–456; 117B1:22–
 23
 carbon isotopes, 119B38:709
 Eocene/Oligocene boundary carbonates, 115B25:81
- magnetic inclination, 121B39:869
 Miocene, 115B20:339, 351
 Neogene, 115B20:367–368
 Paleogene, 115B20:322
 Pliocene, 115B20:328, 369, 377
- Site 220
 biostratigraphy, 115B19:310; 117B1:22
 location, 115B5:53
 magnetic inclination, 121B39:869
 stable isotopes, 119B38:695
- Site 221
 biostratigraphy, 115B19:310; 117B1:22
 magnetic inclination, 121B39:869
 tectonic history, 117A8:157
- Site 222
 calcareous nannofossils, 117B1:23; 2:38
 magnetic inclination, 121B39:869
 organic carbon, 117A8:182
 sediment accumulation rates, 117A8:157
 seismic stratigraphy, 117A8:172
 turbidites, 117A8:164
- Site 223
 biostratigraphy, 117A3:36; 9:217; 117B1:22–23
 igneous basement, 117A1:5; 3:35
 silica Miocene increase, 117B13:259
- Site 224
 bathymetry, 117A3:37; 117B4:90
 clastic-turbidite facies, 117A9:228; 10:277
 depositional history, 117B10:215
 Eocene sediments, 117A3:35
 igneous basement, 117A1:5
 lithostratigraphy, 117B10:216
 location, 117B2:37
 seismic stratigraphy, 117A5:55, 63; 9:198; 10:255,
 276; 19:585, 588
 silica Miocene increase, 117B13:259
 siliceous microfossils, 117A3:36
 tectonic history, 117A5:61
 turbidites, 117A5:54
 uplift history, 117A3:35
- Site 229, methane/ethane ratio, 204B15:38
- Site 231, biostratigraphy, 117B1:22; 13:259
- Site 232
 calcareous nannofossils, 117B1:22
 calcium/magnesium gradient, 115A4:144, 151
- Site 233, calcareous nannofossils, 117B1:22
- Site 235
 basalt geochemistry, 115B3:37
 biostratigraphy, 120B(2)62:1082
- Site 236
 biostratigraphy, 115B19:293; 20:324; 23:418; 24:434,
 437, 452–456
 calcium/magnesium gradient, 115B34:643
 geochemistry, 115B3:25, 37
 Paleogene, 115B19:310; 20:322
 subsidence history, 115B13:123–124
 volcanic glass, 115B3:25
- Site 237
 isotopes, 119B38:695; 121B11:247
 Miocene benthic foraminifers, 115B20:339

- Site 238
basalt geochemistry, 115B3:37
biostratigraphy, 115B20:323–324; 116B19:239
carbon shift compared with Site 704, 114B25:469
magnetic inclination, 121B39:869
Oligocene, 115B20:333, 338
oxygen isotope stratigraphy, 121B11:247
- Site 239
biostratigraphy, 120B(2)62:1083
calcium/magnesium gradient, 115B34:643
- Site 241
biostratigraphy, 115B20:324; 120B(2)62:1083
Paleogene, 115B20:322
tectonic history, 117A5:61
- Site 245, calcium/magnesium gradient, 115A4:144, 151;
115B34:643
- Site 249
biostratigraphy, 113B23:335; 120B(2)62:1083–1084
lithology, 113B6:80–82
Neocomian sediments, 123B39:752
oxic–anoxic transition, 113B23:337
- Site 250, biostratigraphy, 120B(2)62:1084
- Site 251
benthic foraminifers, 115B20:324
surface water masses, 119B48:872
- Site 252, surface water masses, 119B48:872
- Site 253
basal sediment ages, 121B38:768
basalts, 115B5:54; 121A15:525–530; 121B30:561–562,
565, 571–572, 575–582
basement, 121A1:13
bathymetry, 121B38:764
biostratigraphy, 115B20:323
calcium correlation, 121B22:448
hotspots, 121B38:769, 771–773, 776
incompatible elements, 121A15:530; 121B30:577, 580
isotopes, 119B38:695, 709; 121B22:448; 30:570–571
lithology, 121B28:526
magnesium correlation, 121B22:448
magnetostratigraphy, 121A1:24; 121B39:810, 869
Oligocene, 115B20:318, 332
paleoclimatic events, 115B20:322
Paleogene, 115B20:327
paleolatitude, 121B24:469
postmagmatic alteration, 121B30:564
rare earths in basalts, 121B30:576
seismic stratigraphy, 121A10:291
volcanic ash, 121B32:633
volcanogenic sediment interelement ratios,
121B20:425
- Site 254
basal sediment ages, 121B38:768
basalts, 121A1:13; 15:524–530; 121B30:561–562, 565,
572–582; 31:592
bathymetry, 121B38:764
hotspots, 121B38:769, 771–773, 776
igneous petrology and geochemistry, 121A10:279
incompatible elements, 121A15:530; 121B30:577, 580
lava comparison with Site 756, 121A10:277
lithology, 121B28:526
magnetostratigraphys, 121A1:24; 121B39:869
postmagmatic alteration, 121B30:564
rare earths in basalts, 121B30:576
seismic stratigraphy, 121A10:291
volcano age, 121B24:467
- Site 255
angular unconformities, 121A4:71
basal sediments, 121B26:507
bathymetry, 121A4:72; 7:173; 8:193; 9:239;
121B21:438; 37:744; 38:764
biomicritic limestone correlation, 121A4:72
biostratigraphy, 120B(2)62:1084; 121B3:78
Cretaceous volcanism, 121A13:465
extension models, 121A1:12
glauconitic sediments, 120B(1)9:113
limestone-chert sequence, 121A1:5; 6:112
lithostratigraphy, 121A4:75
magnetic anomalies, 121A1:24
pelagic caps, 121A1:5
pelagic ooze winnowing, 121B8:212
Santonian–Eocene hiatus, 121A4:71
sedimentary sequences, 121B37:744
seismic stratigraphy, 121A4:74; 9:252, 254
- Site 256
biostratigraphy, 120B(2)62:1084
Cretaceous volcanism, 121A13:465
incompatible elements, 121A15:530; 121B32:639
magnetic anomalies, 121A1:24
paleolatitude, 121B24:469
- Site 257
alteration mineral paragenesis, 121A10:275
biostratigraphy, 120B(2)62:1084; 123B14:284; 39:747
Cretaceous volcanism, 121A13:465
magnetic anomalies, 121A1:24
- Site 258
biostratigraphy, 120B(2)62:1085; 123B14:271, 285;
16:356; 39:747, 750, 754
Cretaceous volcanism, 121A13:465
ferruginous clay, 120A5:82
geologic setting, 120B(1)2:35
glauconitic sediments, 120B(1)9:113
magnetic anomalies, 121A1:24
- Site 259
basalts, 123A4:201
biostratigraphy, 120B(2)62:1085–1086; 123B4:271
lithostratigraphy, 123B41:787
magnetic anomalies, 121A1:24
mineralogy, 123B41:788
palygorskite, 123B41:785
titanium/zirconium ratio, 123B10:210
- Site 260
basalts, 123A1:5; 4:200–201
basement, 123B36:661
biostratigraphy, 123A5:294; 123B14:271
fracture zones, 123A1:8
geomagnetic isochrons, 123A1:8
lithostratigraphy, 123B41:787
magnetic anomalies, 121A1:24
mid-ocean-ridge depths, 123A1:6; 4:67
mineralogy, 123B41:788
palygorskite, 123B41:785
titanium/zirconium ratio, 123B10:210

Site 261

basal sediments, 123A1:7, 12; 4:64, 67; 123B1:3, 43, 46, 48; 41:789
 basalts, 123A4:195, 200–201, 203, 205
 basement, 123B36:661–662
 bathymetry, 123A2:14, 18–20
 biomagnetostratigraphy, 123A1:6–7
 biostratigraphy, 120B(2)62:1087; 123A3:45;
 123B1:37–41; 13:239, 247; 15:308, 311–312;
 16:356; 17:369–371, 373–377; 38:722, 730;
 39:746; 40:764, 771, 777
 calcareous turbidites, 123B8:186–187
 carbonate banding, 123A1:7
 carbonate compensation depth, 115A2:13
 clay mineral diagenesis, 123B41:785
 depositional history, 123B1:46–48
 fracture zones, 123A1:8
 geomagnetic isochrons, 123A1:8
 isotopes, 121B31:604
 lithostratigraphy, 123A4:70; 123B1:44; 28:527; 41:787
 location, 123A4:69; 123B1:4
 magnetostratigraphy, 123B28:529, 538–539
 marine magnetic anomalies, 123A4:66–67
 Mid-Indian Ocean Ridge (MIOR) basalt geochemistry,
 123A4:199–200
 mid-ocean-ridge depths, 123A4:67
 mineralogy, 123B41:780, 783–786, 788
 oceanic crust, 123B43:803
 paleolatitude, 123B28:530–533; 29:549–553
 paleowater depth, 123B43:810, 812
 palygorskite, 123B41:785
 reddish brown claystone, 123A4:136
 sedimentary sequences, 123B1:20–34
 smectite, 123B3:47
 titanium/zirconium ratio, 123B10:210
 uplifts, 123A4:248

Site 262, calcian dolomite, 123B3:79

Site 263

basement, 123B36:661
 biostratigraphy, 120B(2)62:1087–1088; 123B14:271
 fracture zones, 123A1:8
 geomagnetic isochrons, 123A1:8
 lithostratigraphy, 123B41:787
 magnetic anomalies, 121A1:24
 mineralogy, 123B41:788

Site 264

biostratigraphy, 113B35:595; 120A8:253;
 120B(2)62:1088
 geologic setting, 120B(1)2:35
 surface water masses, 119B48:872

Site 265, surface water masses, 119B48:872

Site 266

biostratigraphy, 119B29:555–556, 559, 588
 Miocene sequence, 119B29:577
 surface water masses, 119B48:872

Site 267, surface water masses, 119B48:872

Site 268

sporomorphs, 113B36:595
 surface water masses, 119B48:872

Site 269, surface water masses, 119B48:872

Site 270

glacial sediments, 119B48:872; 120B(1)12:162
 ice-rafted debris, 120B(2)64:1111
 Miocene glacial history, 119B13:248
 Miocene/Pliocene unconformity, 119B6:118
 Oligocene glaciation, 119B48:872
 Oligocene glaciomarine sediments, 119B6:79
 palynomorphs, 188B3:14
 sporomorphs, 113B36:595
 stratigraphic intervals, 119B6:119
 surface water masses, 119B48:872
 velocity vs. depth, 178B19:18

Site 271

glacial sediments, 119B48:872
 surface water masses, 119B48:872
 velocity vs. depth, 178B19:18

Site 272

glacial sediments, 119B48:872
 Miocene glacial history, 119B13:248
 Miocene/Pliocene unconformity, 119B6:118
 surface water masses, 119B48:872
 velocity vs. depth, 178B19:18

Site 273

glacial sediments, 119B48:872
 Miocene glacial history, 119B13:248
 Miocene/Pliocene unconformity, 119B6:118
 surface water masses, 119B48:872

Site 274

Eucyrtidium antiquum, 119B28:546
 ice-rafted debris, 119B13:248
 Oligocene, 119B48:873
 surface water masses, 119B48:872

Site 275

biostratigraphy, 114A7:274; 114B4:73; 121B7:189
 surface water masses, 119B48:872

Site 276, surface water masses, 119B48:872

Site 277

biostratigraphy, 114B4:75; 119B31:620; 48:869
 Miocene–Pliocene interval, 189A1:10
 oxygen isotopes, 119B38:707, 709; 120B(1)12:164
 stable isotopes and Eocene/Oligocene boundary hia-
 tuses, 119B38:710–711
 surface water masses, 119B48:872

Site 278

biostratigraphy, 113B43:761; 119B28:520–521, 524–
 525, 527, 543–546; 29:556, 559, 588; 51:933
 lithostratigraphy comparison, 114A6:164
 Miocene sequence, 119B29:577
 surface water masses, 119B48:872

Site 279

foraminiferal oxygen isotopes, 119B48:869
 surface water masses, 119B48:872

Site 280

biostratigraphy, 119B28:525, 527
 drilling, 189A1:9–10
 surface water masses, 119B48:872

Site 281

biostratigraphy, 119B28:521, 524–525, 527
 carbon shift comparison with Site 704, 114B25:469
 drilling, 189A1:9–10
 foraminiferal oxygen isotopes, 119B48:869

- surface water masses, 119B48:872
- Site 282
 - drilling, 189A1:9–10
 - surface water masses, 119B48:872
 - upper Eocene paleogeography and paleoenvironment, 189A3:78
- Site 283
 - deepwater agglutinated foraminifers, 124B12:171
 - surface water masses, 119B48:872
- Site 284
 - biostratigraphy, 112A11:177; 114B10:208
 - surface water masses, 119B48:872
- Site 287, Oligocene hiatuses, 125B4:71
- Site 288
 - correlation with Leg 130, 130B5:68–70
 - Cretaceous, 130B25:429
 - stable isotopes, 192B2:12
 - tephrochronology, 130B25:423–444
- Site 289
 - alkalis vs. silica, 192A1:39
 - correlation with Leg 130, 130B5:68–70
 - Miocene, 130B18:323–332
 - normal mid-ocean-ridge basalt mantle source, 130B1:17
 - oxygen isotope stratigraphy, 121B11:246–247
 - seismic stratigraphy, 130B3:36
 - stable isotopes, 108B16:288, 291; 192B2:12
 - stratigraphic column, 130A1:9
 - tephrochronology, 130B25:423–444
- Site 290
 - andesitic breccia, 125B38:628
 - basement isotope geochemistry, 127/128B(2)49:805
 - foraminifers, 126B42:632
 - volcanism, 124B3:44
- Site 291
 - red clay, 124A10:183
 - volcanism, 124B3:44
- Site 292
 - alkali basalts, 125B38:629
 - biostratigraphy, 124A10:146; 126B16:249; 18:272; 25:350–351
 - Eocene–Oligocene sediments, 125B4:71
 - volcanism, 124B34:461, 463–464
- Site 294
 - rare earths, 127/128B(1)42:719
 - volcanism, 124B3:44
- Site 295, volcanism, 124B3:44
- Site 296
 - andesitic breccia, 125B38:628
 - biostratigraphy, 125B2:20; 126B11:173; 16:249; 18:276, 279
 - location, 126B4:76; 26:384; 31:468
 - Miocene sandstones, 126B31:483
 - Oligocene deposits, 126B4:94
 - rare earths, 127/128B(1)42:719
 - stratigraphy, 131B26:320–321
 - volcaniclastics, 126B42:632
 - volcanism, 126B42:636, 639
- Site 297
 - pore water, 131B31:387
 - stratigraphy, 131B26:320
- turbidites, 131B2:18
- X-ray diffraction data, 190/196B5:1–28
- Site 298
 - sediment permeability, 131B19:236
 - stratigraphy, 131B26:319–320
 - turbidites, 131B2:18
- Site 299
 - bathymetry, 127A1:6; 4:78; 128A3:72
 - biostratigraphy, 127/128B(1)13:225; 27:459; 128A4:162
 - consolidation tests, 127/128B(2)71:1123
 - geology, 127A7:337
 - oceanic crust, 127A4:73
 - sediment thickness, 127A4:84
 - seismic stratigraphy, 127A5:179
- Site 300
 - bathymetry, 127A1:6; 128A3:72
 - nannofossils, 127/128B(1)10:168
 - sand, 128A1:14
- Site 301
 - bathymetry, 127A1:6; 128A3:72
 - drilling history, 127A5:180
 - lithostratigraphy, 127/128B(2)72:1141; 128A1:13; 5:249
 - nannofossils, 127/128B(1)10:168, 174
 - sand, 128A1:14
 - sediment thickness, 127A(1)6:84
 - seismic stratigraphy, 127A5:179
- Site 302
 - bathymetry, 127A1:6; 4:78; 128A3:72
 - biostratigraphy, 127/128B(1)10:168; 11:174; 13:226; 128A5:303
 - consolidation tests, 127/128B(2)71:1123
 - diatom clay, 127A4:84
 - faulting, 127A4:83; 7:334
 - sediment thickness, 127A4:84
 - tectonic history, 128A4:130
- Site 303, mantle source contamination, 127/128B(2)49:815
- Site 304, mantle source contamination, 127/128B(2)49:815
- Site 305
 - bathymetry, 132B1:5–6
 - Berriasian–Aptian interval, 129B32:598
 - Site 1211 comparison, 198A7:12–13
- Site 306
 - bathymetry, 132B1:5–6
 - Berriasian–Aptian interval, 129B32:598
- Site 307, stratigraphy, 124E_A18:116
- Site 310, carbonate stratigraphy comparison, 114B28:522–524
- Site 316
 - cerium anomalies, 115B39:709
 - Paleogene planktonic foraminifers, 115B5:310
- Site 317
 - oceanic plateaus, 130B1:14, 18
 - stable isotopes, 192B2:12
- Site 319, physical properties, 129B27:490
- Site 320
 - morphology, 112A1:7
 - physical properties, 129B27:490

- tephra, 112B28:474
 Site 321
 clay mineralogy, 112B5:75–76
 morphology, 112A1:7
 physical properties, 129B27:490
 tephra, 112B28:474
 total organic and inorganic carbon, 201B8:5
 Site 322
 physical properties, 129B27:490
 surface water masses, 119B48:872
 Site 323
 biostratigraphy, 114A7:276; 119B27:502
 physical properties, 129B27:490
 silicification, 124A10:155
 surface water masses, 119B48:872
 Site 324, surface water masses, 119B48:872
 Site 325, surface water masses, 119B48:872
 Site 326, surface water masses, 119B48:872
 Site 327
 biostratigraphy, 113B23:333, 335; 29:451; 30:469;
 114A7:274, 276; 114B4:75; 6:125, 134; 7:171;
 12:262–263; 13:281, 290–291; 120A6:109;
 121A6:129; 121B6:173, 175; 123B39:755
 Maastrichtian hiatus, 113B31:489
 Paleocene section, 114B6:123–124, 134
 paleoenvironment comparison, 114A7:305–306
 surface water masses, 119B48:872
 Site 328
 bathymetry comparisons, 114A5:89
 biostratigraphy, 113B29:451; 114A5:117, 122;
 119B29:551
 lithostratigraphy comparisons, 114A5:98, 100, 117;
 114B2:29, 34
 paleoenvironment comparison, 114A5:122, 124
 seismic stratigraphy comparison, 114A6:152
 surface water masses, 119B48:872
 Site 329
 biostratigraphy, 114A6:171; 114B21:262–263; 27:500;
 119B26:474
 seismic stratigraphy comparison, 114B5:113
 surface water masses, 119B48:872
 Site 330
 basal sediments, 123A1:12
 hydrocarbons, 113B16:206
 location, 119B23:417
 nannofossil assemblage, 113B23:335
 palynoflora, 113B29:451
 surface water masses, 119B48:872
 Site 331, surface water masses, 119B48:872
 Site 332, diatoms, 108B3:23
 Site 334
 gabbro strontium/aluminum values, 118B4:84
 greenschist-facies alteration, 118B26:489
 magnetic properties, 125B33:561
 Site 335, temperature, 123B27:519
 Site 336
 calcium, 124B14:214–215
 stable isotopic stratigraphy, 108B16:279–282
 Site 338
 biostratigraphy, 112A17:615; 114B4:80
 lava eruptions, 152B40:488
 spinel, 163B11:121, 128–129
 Site 339, Eocene diatoms, 121A6:129; 121B6:177
 Site 340, silicoflagellates comparison, 114B4:80
 Site 342, lava eruptions, 152B40:488
 Site 343, Eocene diatoms, 121A6:129; 121B6:177
 Site 346
 calcium/magnesium gradient, 115B34:642
 stratigraphic hiatus, 115B19:298
 Site 348
 carbonate vein isotope values, 121B22:453
 Goniothecium odontella, 112A20:899
 Site 349, calcium/magnesium gradient, 115B34:642
 Site 350, *Rhizosolenia oligocenica* partial range zone,
 119B29:557
 Site 354, diatoms, 108A5:339–340; 108B2:26
 Site 356
 biostratigraphy, 108A5:340; 113B32:519–521;
 120B(2)25:457; 121B18:406
 carbon isotopes, 114B27:494
 Leg 114 comparisons, 114B27:508
 oxygen isotope Eocene–Holocene latitudinal gradi-
 ent, 119B38:709
 Site 357
 carbon isotopes, 114B27:494
 Leg 114 comparisons, 114B27:508
 oxygen isotope Eocene–Holocene latitudinal gradi-
 ent, 119B38:709
 Site 358
 Eucampia antarctica, 119B36:675–676
 oxygen isotope ratios, 113B36:595; 46:821
 surface water masses, 119B48:872
 Site 360, planktonic foraminiferal comparisons,
 114B12:262–263
 Site 361
 biostratigraphy, 113B23:335; 114B12:262–263
 lithology, 113B6:82–84
 oxic–anoxic transition, 113B23:336
 Site 362
 carbon isotopes in *Cibicidoides* spp., 119B38:709
 ocean circulation, 175A1:10
 oxygen isotope Eocene cooling trend, 119B48:882
 total organic carbon vs. age, 175A17:509
 Site 363, oxygen isotopes, 114B27:492; 119B48:882
 Site 364
 oxygen isotope Eocene–Holocene latitudinal gradi-
 ent, 119B38:709
 petroleum-generating potential, 113B15:196
 Site 366
 biostratigraphy, 108A12:842; 108B16:283–286;
 28:458
 calcium carbonate, 108A12:834
 Cretaceous lithostratigraphy, 108A6:411
 depositional environment evolution, 108A17:1050
 enriched Miocene interval, 121B11:250
 Oligocene/Miocene boundary, 121B11:249
 opaline silica concentration, 108A12:835
 paleoenvironment, 127/128B(1)19:338
 proximity to Site 668, 108A13:932
 seismic units, 108A12:848
 stable isotopic stratigraphy, 108B16:287–292; 29:476;
 121B2:50–51

- stratigraphic hiatuses, 108A12:834
 terrigenous dust flux, 108B14:222
- Site 367
 basal sediments, 123A1:12
 basaltic flow unit age, 121B29:549–550
 biostratigraphy, 108B6:94; 123B40:771, 777
 “black shales,” 113B15:194–195
 petroleum-generating potential, 113B15:196
- Site 368
 basaltic flow unit age, 121B29:549–550
 “black shales,” 113B15:195; 38:655
 calcareous shale contact metamorphic effects,
 121B29:550
 methane/ethane ratio, 121B29:550
 sediment record, 108A4:223
 Site 657 relationship, 108A2:33
 volcanic ash, 108A4:228
- Site 370, biostratigraphy, 123B40:764–765, 770, 776
- Site 371
 bathyal environment, 107B14:211
 benthic foraminifers, 107B29:472
 Messinian gypsum, 160B36:459
- Site 372
 biostratigraphy, 107A9:628; 107B29:472; 31:505
 gypsum, 161B1:15
- Site 374, mudstone, 161B1:15
- Site 375
 lithofacies, 160B36:459
 Miocene–Pliocene succession, 160B37:478
- Site 376
 lithofacies, 160B36:459
 Miocene–Pliocene succession, 160B37:478
- Site 378, Messinian gypsum, 160B36:459
- Site 384
 biostratigraphy, 113B33:536; 120B(2)25:457;
 121B6:173, 177
 carbon isotopes, 114B27:494
 Eocene diatoms, 121A6:129
 geochemistry intersite comparisons, 114B27:501
 oxygen isotopes, 114B27:491
 site comparisons, 114B27:491, 508
- Site 386
 “black shales,” 113B15:195
 radiolarite sand, 123A4:105; 123B15:312
 rhodochrosite, 123A4:105
- Site 387
 basal sediments, 123A1:12
 biostratigraphy, 113B30:472–473; 123B40:763, 771,
 777
 “black shales,” 113B15:194
- Site 390
 Aptian ooze, 171B_A1:6
 diatoms, 112A17:615
 Eocene, 121B6:173, 177
- Site 391
 biostratigraphy, 123B1:35; 13:246; 40:763, 770
 “black shales,” 113B15:194–195
- Site 393, geology, 126A9:315–403
- Site 395
 basalt porosity-hydrogen relationship, 118B14:262
 basement permeability, 118B19:347
- bathymetry, 106/109A7:176
 borehole logs, 106/109A7:182–191; 106/109B15:197–
 200; 17:217–218; 19:231–232; 20:240–245;
 123B27:519; 127/128B(2)74:1160
 borehole tools, 106/109B17:215–217; 18:223–224,
 226; 19:231–232; 20:239, 241–242; 29:309–313
 carbonate vein isotope values, 121B22:453–454
 downhole flow, 106/109A7:184–186; 106/
 109B15:200–201
 drill string packer experiments, 106/109B17:218–219;
 118B20:335
 drilling objectives, 106/109A7:176–177
 elastic-wave velocities, 144B40:670
 experimental methods, 106/109A7:199–201; 106/
 109B17:213–215
 gradients, 106/109B15:200–202
 grain size, 106/109B19:234
 horizontal boundary model, 106/109B18:224
 hydrogeological measurements, 106/109B17:213
 lithology, 106/109B16:209
 location, 106/109A1:4; 7:176; 106/109B20:238;
 28:304
 magnetostratigraphy, 106/109A7:193–199; 106/
 109B18:225; 19:231
 oceanic crust, 118B18:323; 123A3:56; 123B26:503;
 27:521; 124B6:75, 89
 permeability, 106/109B17:219–220; 118B19:339
 petrophysical properties, 106/109B20:249
 physical properties, 106/109B16:206–210; 17:222;
 20:244–247
 pore water, 125B21:381
 pressurized system fluid properties, 106/109B17:216
 stratigraphy, 106/109B19:233; 28:306
 summary, 106/109A7:177–182
 temperature measurements, tilted boundary model,
 106/109B18:224–228
 wellbore breakouts, 123B26:509
- Site 396
 alteration halos, 123B9:196–197
 major elements, 124B20:278
 temperature, 123B27:519
- Site 397
 benthic foraminifers, 108B7:113
 Cenozoic climatic history, 108B29:476
 opal flux, 108B14:223
 paleoenvironment, 127/128B(1)19:338
 terrigenous dust flux, 108B14:22
- Site 398
 acoustic stratigraphy, 103A1:7–9
 bathymetry, 103A1:4–5; 103B35:589
 biostratigraphy, 121A6:129; 210A3:267
 lithostratigraphy, 103A1:9; 210B2:18
 Lower Cretaceous quartz-feldspar-lithic fragments,
 210B2:30
 Maastrichtian calcareous sediments, 103A1:9
 organic matter, 149B13:295–300
 Paleocene, 121B6:173, 177
 rift timing, 103B2:30
 seismic studies, 103B1:7–9; 2:15–16; 210A1:25–26
 unconformities, 103B2:20–21
- Site 398D, biostratigraphy, 173B4:8; 5:8–9

Site 400, "black shales," 113B15:195
 Site 402, "black shales," 113B15:195
 Site 407, volcanic rocks, 163A3:29
 Site 416
 basal sediments, 123A1:12
 basement, 123B42:791
 biostratigraphy, 123B13:246; 38:735; 40:770, 776
 Site 417
 Albian–Cenomanian horizon beta, 102B1:12
 alteration, 123B9:196; 127/128B(2)58:911
 basement lithology, 102B1:6; 8:103–104; 11:156, 164;
 123B42:791
 bathymetry, 102A3:98–99; 102B1:11, 16; 10:163
 borehole seismic experiments, 102A3:122;
 102B10:157
 borehole water, 102B9:128
 carbonate vein isotope values, 121B22:453–454
 chalk, 102B1:6
 chronostratigraphy, 102B1:4–6
 clays, 102B1:6
 horizon Ac, 102B1:6–10
 lithostratigraphy, 102B1:4–6; 123A4:172
 maps, 102A3:97–99, 141
 Miocene–Oligocene horizon red, 102B1:9
 oceanic crust and depth of drilling, 118B18:323
 petrology, 129B22:425
 physical erosion, 118B25:435
 physical properties, 102B10:159
 pore water, 102A3:142; 102B9:128
 radiolarian sands, 102B1:6
 sediment drifts, 102B1:4–5
 seismic lines, 102A2:11–81
 thickness, 102B1:3, 5, 11, 17
 topography, 102B1:9–14
 Site 418
 Albian–Cenomanian horizon beta, 102B1:6–7, 12
 alteration halos, 123B9:196
 anisotropy, 102B8:111–112
 basalts, 102A3:131, 149; 102B10:135–138, 139, 144,
 145, 147; 11:174–175, 179; 118B14:262
 basement interval, 102A3:111–112, 114; 102B1:6;
 8:102–107; 10:138; 11:156, 158, 164, 172
 bathymetry, 102A3:98–99; 102B1:11, 16; 11:163
 borehole seismic experiments, 102A3:122–124, 126–
 130, 132–135; 102B8:97–112, 114–124; 11:157
 borehole waters, 102A3:138–145; 102B9:127–133
 chalk, 102B1:6
 chronostratigraphy, 102B1:4–6
 clays, 102B1:6; 10:138–140, 144–145, 147–148, 150–
 151; 11:174
 drifts, 102A1:4–5
 elastic-wave velocities, 144B40:670
 electrical conductivity, 118B18:328
 geochemistry, 102A3:142–144; 102B9:129–131
 horizon Ac, 102B1:6–10
 lithostratigraphy, 102A3:100–102, 148; 102B1:4–6;
 2:19–25; 4:49–50, 61; 11:158, 170–172;
 123A8:172
 magnetic susceptibility, 102A3:95, 97, 127, 131;
 102B11:171
 maps, 102A3:97–99

Miocene–Oligocene horizon red, 102B1:9
 multichannel sonic (MCS) logs, 102A3:113–122;
 102B4:50, 52–61; 11:177
 oceanic crust, 118B18:323; 124B6:75, 89–90
 operations, 102A3:114–115
 paleomagnetism, 102B7:77–96
 penetration, 102A3:96–97
 physical properties, 102B4:50–51; 6:70–74; 11:159
 pore water, 102A3:142; 102B10:143–144; 124B6:84
 radioactivity, 102B11:171
 radiolarian sands, 102B1:6
 reflection profiling, 102A3:122; 102B2:21, 24, 25
 sampling, 102A3:95
 sediments, 102A3:101, 112–114
 seismic surveys, 102A2:11–81; 3:107–108
 semblance techniques, 102A3:115–121; 102B4:54–58
 Stoneley velocity, 102B4:61
 stratigraphy, 102B8:99
 temperature, 102A3:95, 103, 131–133, 135–137
 thickness, 102B1:3, 5, 11, 17
 tools, 102A3:113–114
 topography, 102B1:9–14
 tortuosity, 102B6:71, 74
 velocity, 102B6:71–73
 water sampling, 102A3:102
 waveforms, 102A3:115–116, 118–119
 well-logs, 102A3:109–113; 102B2:19–21; 3:29–31, 34–
 46; 5:63–67; 6:69–75; 11:157–158, 170
 Site 420, physical properties, 129B27:490
 Site 421, physical properties, 129B27:490
 Site 422, physical properties, 129B27:490
 Site 425, physical properties, 129B27:490
 Site 427, physical properties, 129B27:490
 Site 428, physical properties, 129B27:490
 Site 430, physical properties, 129B27:490
 Site 432
 paleoenvironment, 197A5:8
 physical properties, 129B27:490
 Site 433
 diatom abundance, 127/128B(1)17:316
 paleolatitude, 115B1:8
 physical properties, 129B27:490
 Site 434, vein structures, 112B1:7
 Site 436
 basement age, 127/128B(1)44:749
 helium isotope ratios, 127/128B(1)44:749
 rare earths, 127/128B(1)42:719
 tectonic setting, 127/128B(2)82:1312
 volcanic ash, 127/128B(2)82:1319–1320
 Site 438
 age, 127/128B(1)44:749; 186A1:32
 biostratigraphy, 127/128B(1)14:237; 17:311
 chlorinity, 125A8:162–163; 186A1:31
 correlation, 186B7:13–14
 helium isotopes, 127/128B(1)44:749
 paleobathymetric history, 127/128B(2)76:1214
 pore water, 112A14:386; 125B21:381
 sedimentation rates vs. age, 186A1:33
 subsidence, 125B4:77; 127/128B(2)76:1199, 1213
 tectonics, 127/128B(2)82:1312
 vein structures, 112B1:7

- volcanic ash, 127/128B(2)82:1319–1320; 132B5:65; 186A1:34
- Site 439
 chloride, 125A9:162–163
 Cretaceous unconformities, 186A1:4
 pore water, 112A14:386; 125B21:381
 paleobathymetric history, 127/128B(2)76:1214
 subsidence, 125B4:77; 127/128B(2)76:1199, 1213
 tectonics, 127/128B(2)82:1312
 vein structures, 112B1:7
 volcanic ash, 127/128B(2)82:1319–1320
 volcanic front position, 127/128B(2)82:1324
- Site 440
 tectonics, 127/128B(2)82:1312
 volcanic ash, 186A1:34
- Site 441
 vein structures, 112B1:7
 volcanic ash, 127/128B(2)82:1319–1320
- Site 442
 basal sediments, 126B42:636
 basalts, 121B29:550; 131A6:157
 stratigraphy, 131B26:321
 tephra, 126B2:42; 3:63, 68
- Site 443
 basalts, 121B29:550; 131A6:157
 stratigraphy, 131B26:321–322
- Site 444
 basalts, 121B29:550; 131A6:157
 stratigraphy, 131B26:322
- Site 445
 biostratigraphy, 115B14:132; 125B4:71; 126B16:247
 diagenetic trends, 126B8:132
- Site 446
 basaltic sill age, 121B29:550
 diagenetic trends, 126B8:132
 foraminifers, 125B4:71
 magnetic properties, 121B29:550–551
 petrography, 121B29:550–551
- Site 447, sedimentation maximum, 126B42:632
- Site 448
Discoaster hamatus, 125B3:49
 island-arc basement, 125B38:628
 tholeiitic lava, 125B24:402; 126A8:266
 volcanism, 126B42:636
- Site 449
 basalts, 124B3:45
 island-arc tholeiites, 125B24:402
 pyroclastic arc volcanism, 126B42:639
- Site 450
 basalts, 124B3:45
Discoaster hamatus, 125B3:49
 pyroclastic arc volcanism, 126B42:639, 648
- Site 451, pyroclastic arc volcanism, 126B42:639
- Site 452
 chert zone, 124E_A18:120
 stratigraphy, 124E_A18:115–116
- Site 453
 brown glass, 126B9:145
 diagenesis, 126B8:132
 fluid geochemistry, 126A6:88
 lawsonite, 125B25:426
- stratigraphy, 124E_A1:7; 17:105–108
 well-logs, 124E_A1:5
- Site 454, temperature, 123B27:519
- Site 458
 arc tholeiites and boninite, 125A9:199; 125B1:6
 basement, 125A2:8; 125B38:628
 boninite, 125B10:182; 12:232; 38:650, 652–653
 bronzite andesites, 126B27:426; 28:442; 42:634
 Eocene arc tholeiites, 126A1:6
 igneous geochemistry, 125A10:207–208
 iron gabbros, 125B24:406
 large ion lithophile elements, 125B16:303, 305
 magmatism, 126B42:632
 outer arc highs, 126B42:630
 palygorskite, 125B7:129
 pelagic sediments, 126B42:632
 peridotites, 125B28:501
 tholeiitic andesites, 125B9:155
 zirconium/samarium ratio, 125B12:233
- Site 459
 arc tholeiites and boninite, 125A10:199; 125B1:6
 basement, 125A1:8; 125B38:628
 Eocene arc tholeiites, 126A1:6
 igneous geochemistry, 125A10:207–208
 large ion lithophile elements, 125B16:303
 lava, 126B42:629
 outer arc highs, 126B42:630
 palygorskite, 125B7:129
 pelagic sediments, 126B42:632
 peridotites, 125B28:501
 pyroclastic arc volcanism, 126B42:639
 tholeiite-boninite interlayering, 126B42:631
 vein structures, 112B1:7
- Site 460
 arc tholeiites and boninite, 125A10:199
 basement, 125A2:8
 benthic foraminifers, 125B4:77
 forearc subsidence, 125B14:271
 palygorskite, 125B8:129
 polymict assemblage, 125B38:628
 subsidence, 125B4:77
 tectonic erosion/accretion, 126B42:632
- Site 461
 arc tholeiites and boninite, 125A10:199
 basement, 125A1:8
 polymict assemblage, 125B38:628
 tectonic erosion/accretion, 126B42:632
- Site 462
 basaltic sill, 121B29:551–552
 geochronology, 129B21:411
 physical properties, 129B27:490
- Site 463
 biostratigraphy, 129B11:221–228
 fertility indexes, 129B9:193
 organic-rich intervals, 198B16:8
 petrography, 198B16:5
- Site 465
 Maastrichtian oxygen isotope ratios, 113B46:821
 physical properties, 129B27:490
- Site 477
 alteration, 121B29:553–554

- basalt geochemistry, 121B29:554
- basaltic sill thermal metamorphism, 121B29:555
- mineral formation temperature, 121B29:553
- organic geochemistry, 121B29:554
- oxygen isotopes, 121B29:554–555
- pore water chemistry, 121B29:554
- porosity, 121B29:553
- regional relationships, 121B29:552–553
- Site 478
 - alteration, 121B29:553–554
 - basalt geochemistry, 121B29:554
 - basaltic sill thermal metamorphism, 121B29:555
 - mineral formation temperature, 121B29:553
 - organic geochemistry, 121B29:554
 - oxygen isotopes, 121B29:554–555
 - physical properties, 129B27:490
 - pore water chemistry, 121B29:553–554
 - regional relationships, 121B29:552–553
- Site 479
 - ammonia, 112A14:388
 - basalt geochemistry, 121B29:554
 - dissolved organic carbon, 113B13:169, 176
 - organic geochemistry, 121B29:554
 - sulfate reduction, 113B13:174
- Site 480, cyclic sedimentation, 146B(2)8:118–119
- Site 481
 - alteration, 121B29:553–554
 - basalt geochemistry, 121B29:554
 - basaltic sill thermal metamorphism, 121B29:555
 - mineral formation temperature, 121B29:553
 - organic geochemistry, 121B29:554
 - oxygen isotopes, 121B29:554–555
 - physical properties, 129B27:490; 29:553
 - pore water chemistry, 121B29:554
 - regional relationships, 121B29:552–553
- Site 482, physical properties, 129B27:490
- Site 483, physical properties, 129B27:490
- Site 485, physical properties, 129B27:490
- Site 489
 - vein structures, 112B1:7
 - volcanism, 165A8:386
- Site 490, pore water, 125A9:162; 125B21:381
- Site 491, pore water, 125A8:162; 125B21:381
- Site 492, pore water, 125B21:381
- Site 493, volcanism, 165A8:386
- Site 494, vein structures, 112B1:7
- Site 496
 - gas hydrates, 112A14:386
 - pore water, 112A14:386, 388; 17:626; 125A8:162; 125B21:381
 - vein structures, 112A11:172; 112B1:7
- Site 497
 - gas hydrates, 112A14:386
 - pore water, 112A14:386, 388; 125A8:162; 125B21:381
 - vein structures, 112A11:172; 112B1:7
- Site 498, pore water chemistry, 112A14:386
- Site 501
 - aphyric rocks, 111A2:28
 - basement topography, 111A2:25–26
 - bathymetry, 111A2:24–25
 - diffusion coefficients, 111B17:205–207
 - drilling results, 111B17:206–207
 - heat-flow anomalies, 111A2:29
 - location, 111A2:25; 111B20:234
 - pore water chemistry, 111A1:20; 2:27–28; 111B17:201–213; 121A15:533
 - porosity vs. electrical formation factor, 111B20:242
 - stable isotopes, 121B22:447
- Site 502
 - acoustic basement, 165A4:135
 - carbonate dissolution, 115B26:514
 - Pleistocene chronostratigraphy, 115B29:547, 549
 - strontium isotopes, 117B27:462
- Site 503
 - carbonate dissolution, 115B26:514
 - deepwater circulation, 108B11:164
 - sedimentation rates, 124B28:376
- Site 504
 - alteration, 111A3:64–65; 124B17:233; 140A2:64–78, 121–123; 137/140B4:43–51; 148A2:45–53; 148B34:417–434; 35:435–450
 - amphiboles, 111B6:71–72
 - aphyric rocks, 111A3:57–59
 - background and objectives, 137A2:16–21; 140A2:38–44; 148A2:29–34
 - basalts, 111A3:50, 52; 111B2:18; 115B9:94, 98; 118B6:127; 14:262; 123B26:511; 137/140B31:347–351; 147B9:181–182; 148B33:409–414
 - basement, 118B19:347; 148A2:32–34
 - bathymetry, 111A2:24–25; 3:36, 132; 111B12:134; 16:179
 - borehole calculations, 111B8:93–94; 11:125, 129
 - borehole experiments, 111A3:39, 41–42, 124–127; 111B10:113–114; 118B19:335; 137A2:50–51
 - borehole fluids, 111A3:74, 76–81; 137/140B13:141–152; 148A2:53–57
 - borehole logs, 111A3:37–39, 67, 94–103, 105–110, 113–115, 118–119, 121, 123, 161–172; 111B11:121–122; 8:87–88; 12:142; 123B27:519; 137A2:42, 44–47; 137/140B2:19, 24; 30:339–346; 140A2:109, 112–116, 125–127; 148A2:34, 73–81; 148B20:291–296
 - borehole tools, 111A3:41, 43–47, 71–73, 78–79, 100, 102–103, 172, 175–180; 111B10:109–117; 11:121; 137A2:47–50; 137/140B25:293–304
 - bottom water circulation, 111A3:79
 - bulk modulus, 111B15:172
 - carbonate content, 111A3:114; 111B20:268
 - cation exchange capacity, 111B9:99–101; 12:141
 - chemical fluxes, 111A3:110, 113, 115; 111B11:124–125
 - chilled margins, 111A3:49, 53, 58; 137/140B3:35–42
 - clinopyroxenes, 137/140B11:121–130
 - coring, 111A3:36–37, 42; 12:135; 111B22:274; 137A2:16–24; 140A2:44–52; 148A2:32, 34–37
 - Costa Rica Rift Zone (CRRZ) fractionation path, 111B1:12–13
 - crustal reheating, 123B9:198
 - crystallization sequence, 111A3:59
 - diabase and basalts, 137/140B5:53–61
 - diffusion coefficients, 111B17:205–207

dikes, 137/140B2:19–33
 downgoing direct waves, 111A3:132–133
 drilling depth, 118B18:323
 elastic-wave velocities, 144B40:670
 electrical conductivity, 118B18:328; 148B21:297–305
 electrical experiments, 111B12:134–140
 electron microprobe data, 111B2:23; 4:42–43
 false porosity, 111B11:128
 fluid flow, 111B26:320–321; 137A2:31–42; 137/
 140B16:191–198; 27:313–319; 148B7:87–95
 fracture porosity, 111A3:163–164
 fractures, 148B22:307–315; 23:317–329
 gabbro mineralogy, 118B15:276
 geochemical comparison, 148B2:16
 geochemistry, 111A3:67–68; 111B3:33–34; 137/
 140B6:65–80; 7:81–97; 8:99–106; 9:107–110;
 10:117–120; 17:199–205; 140A2:78–82, 121;
 148B1:3–7; 4:39–55; 9:111–118; 37:455–466
 geologic setting, 148A2:29
 geothermal gradient, 111A3:97, 106; 111B8:87–95
 gold, 148B36:453–454
 groundmass, 111A3:55–58
 heat flow, 111A2:29; 3:37; 111B8:89–95; 137/
 140B28:321–324
 hydrogen isotopes, 111B5:51–52, 54–55
 hydrothermal circulation, 111B8:94–95
 igneous petrology, 137A2:24, 26–29; 140A2:52–64,
 119–121; 148A2:37–45, 57–60
 impedance, 111B16:181–183
 iron-titanium oxides, 111A3:57, 59
 isotopes, 127/128B(2)55:888; 148B5:57–69
 Koenigsberger ratio, 111A3:89; 111B13:151–152
 lithostratigraphy, 111A2:41, 47–50, 170–171;
 111B3:29; 8:89–91; 10:116–117; 12:135, 143;
 26:317; 123A4:172; 148A2:29–30, 32
 location, 111A2:25; 3:28, 36, 132; 111B10:110;
 12:134; 13:148; 16:179; 20:234
 magnetic anomalies, 111B14:165; 148B24:331–338
 magnetometers, 111A3:136–137, 139–141, 143, 145–
 152
 magnetostratigraphy, 111A3:87–91, 149–152, 154–
 157; 111B13:148–156; 17:309; 121B28:539;
 137/140B21:245–252; 22:253–262; 23:263–270;
 140A2:102–106, 125; 148A2:68–71;
 148B38:467–482
 major elements, 111B1:14; 11:122, 127–128; 14:162,
 164
 measurements, 111A3:39–41, 183; 111B9:98–100
 melt inclusions, 137/140B12:131–139
 metamorphism, 148A2:45–53; 148B8:97–109
 mid-ocean-ridge basalt, 111B1:12–14
 mineralogy, 137/140B14:155–166
 neodymium isotopes, 111B5:57–58
 niobium vs. zirconium, 165A8:393
 nitrogen, 148B1:3–7
 ocean floor, 121B2:56; 125B25:426–427
 oceanic crust, 118B16:285; 123A1:56; 123B26:503;
 27:521; 124B6:75, 89–90; 137/140B29:327–337
 olivines, 137/140B18:207–216
 opaque mineralogy, 111A3:91–92
 oxide mineralogy, 111B14:162, 164

oxygen isotopes, 111B3:34–35, 38; 5:51–52, 54–55;
 127/128B(1)40:699
 oxygen-sulfur fugacity diagram, 111B3:33
 partition coefficients, 111B2:19–20, 26
 petrography, 111A3:50; 111B5:48–50; 6:62
 petrology, 137/140B1:3–17
 phenocryst phases, 111A3:53–55
 physical properties, 111A3:92–93, 98–101, 103–104,
 111, 123, 129, 152–156, 158–162, 164–167, 169,
 171–176; 111B8:89–95; 9:98, 101–103, 105–106;
 11:125, 127, 129–130; 12:138, 143; 15:172, 174–
 175; 16:178; 19:229; 20:237, 241–242; 26:317–
 325; 124B6:84; 7:96; 129B27:490; 137A2:29–31;
 137/140B24:273–291; 140A2:106, 108–109,
 125; 148A2:34, 71–73; 148B27:353–363;
 31:397–400; 32:401–407
 pore water chemistry, 111A2:20, 27–28; 3:77–92, 110–
 111, 113, 115–118, 120–123, 125; 111B11:121–
 122; 17:201–213; 121A15:533; 121B22:447
 porphyritic rocks, 111A3:52–53
 precursor basalts, 111B6:61
 procedures, 111A3:35–36; 111B2:17–18; 3:28; 4:42;
 5:47–48; 7:77–78; 8:88; 26:318–320
 pyrolysis, 112B38:573, 583
 reference samples, 137/140B32:353–355
 regional geologic map, 148A2:31
 secondary minerals, 111B3:29; 6:62–68, 74; 115B9:98;
 148B6:71–86
 seismic properties, 111A3:119–121, 127–129, 132,
 134; 111B15:171–176; 148A2:33; 148B25:339–
 347
 seismologic correlation, 111A3:152–153
 shear modulus, 111B15:172
 sheeted dike complexes, 137/140B15:167–189;
 26:305–311
 site description, 137A2:15–55; 140A2:37–200;
 148A2:27–121
 strain localization, 137/140B19:219–229
 stratigraphy, 111B20:233
 stress, 111B10:109–110, 112–113; 121B35:697; 127/
 128B(2)67:1047
 strontium isotopes, 111B5:57–58
 structure and deformation, 140A2:82–88, 90–92, 94–
 102, 123–124; 148A2:60–61, 63–68
 structure of dike complexes, 148B16:229–243
 sulfide-oxide phase equilibria, 111B3:33
 sulfur, 126B29:452
 sulfur isotopes, 111B3:35; 5:55–57; 118B5:122
 summary, 111A3:43; 111B11:120–121; 22:263–264;
 137A2:51–54
 synthetic common mid-point (CMP) gathers,
 111B16:185, 188
 tectonic forces, 111B10:115–116
 thermal fracturing, 124B8:112
 titanium oxide, 118B15:272
 titanomagnetite Curie temperature, 121B28:535
 topography, 111A2:25–26
 trace elements, 111A3:67–69; 111B1:14
 upgoing reflected waves, 111A3:133, 135, 151
 veins, 137/140B20:231–243
 water guns, 111A3:128, 132, 135–145, 148, 150

- water/rock ratios, 111B11:130–131
 well-logging, 111A3:37–39, 95–97, 175, 180–181, 183;
 111B1:4–10; 4:42–43; 5:59–60; 6:61–67, 73–74;
 7:78; 8:88; 9:100–101; 11:121–122; 17:206–207;
 26:321
 wellbore breakouts, 123B26:509
 whole-rock chemistry, 111B5:50–51
 wide-aperture techniques, 111B16:185, 189
 X-ray diffraction data, 111A3:69, 115
 X-ray fluorescence data, 111A3:64
- Site 505
 porosity, 111B20:237, 242
 pyrolysis, 112B38:573, 583
- Site 506, physical properties, 129B27:490
- Site 507, physical properties, 129B27:490
- Site 508, physical properties, 129B27:490
- Site 510, physical properties, 129B27:490
- Site 511
 biostratigraphy, 113B23:333, 335; 35:575; 36:595;
 38:655–656; 114B4:59; 8:180; 13:281, 290–291;
 119B26:470; 120A7:192; 123B16:356; 39:741,
 747, 755
 glaciation, 120B(1)12:174
 hydrocarbons, 113B16:206
 ice sheets, 120B(2)56:1005–1006
 location, 119B23:417
 Maastrichtian hiatus, 113B31:489
 oxic–anoxic transition, 113B23:336
 site comparisons, 114A6:172–173, 198; 114B3:44
- Site 512
 bathymetry, 114A5:89
 biostratigraphy, 113B36:595; 38:656; 114B4:55, 79;
 12:262–263
 site comparisons, 114A6:172–173; 9:498; 114B4:80
- Site 513
 bathymetry, 114A5:89
 biostratigraphy, 113B36:595; 38:655–656; 114A6:172–
 173; 114B12:262–263; 119B26:470; 28:517;
 29:557; 120A7:192
 hiatuses, 114A5:113; 6:164
 ice rafting, 119B13:248
 site comparisons, 114A5:113; 6:152, 164, 198–199;
 11:684; 114B4:63, 78
- Site 514
 bathymetry, 114A5:89
 biostratigraphy, 113B45:806; 114B5:100; 12:262–263;
 23:412; 119B28:525
 isotope stratigraphy comparison, 114B23:415
 paleoenvironment comparison, 114A11:687
 seismic stratigraphy comparison, 114A5:113
 upwelling, 114B28:529
- Site 516
 biostratigraphy, 113B30:472; 38:652, 654–656;
 114B13:289; 115A4:137; 119B26:470, 474;
 120A3:66; 120B(2)35:639; 121B7:199; 125B3:58
 cerium anomalies, 115B39:709
 magnetostratigraphic–biostratigraphic correlation,
 119B47:851
 Oligocene–Miocene sediments, 119B40:732
 oxygen isotopes, 120B(2)56:1006
 strontium isotopes, 119B40:733
- Site 519
 biostratigraphy, 108B7:113–116; 114A12:802;
 114B25:467
 oxygen isotopes, 114B26:479
- Site 520
 biostratigraphy, 114B26:479
 site comparisons, 114A12:802
 strontium isotopes, 117B27:462
- Site 522
 biostratigraphy, 113B38:652; 115A7:473
 calcium/magnesium gradient, 115A5:259;
 115B34:642–643
 carbon isotopes, 120B(2)44:851
 carbonate mass accumulation rates, 115B25:472–473
 chemobiostratigraphy, 130B15:277
 location, 119B38:714
 Oligocene event, 119B40:736
 Oligocene/Miocene boundary, 121B11:249
 Oligocene–Miocene sediments, 119B40:732
 oxygen isotopes, 119B38:713, 715; 120B(2)44:851;
 56:1006
 stable isotope stratigraphy, 120B(2)45:859
 strontium isotopes, 119B40:733; 121B44:921
- Site 523
 biostratigraphy, 113B38:652, 654
 oxygen isotope data, 114B27:492
- Site 524
 biostratigraphy, 113B32:519–520; 114B6:125; 27:493;
 121A6:129; 121B6:173, 177; 18:406, 408
 Cretaceous/Tertiary boundary, 130B45:749, 751
 Paleocene, 114B6:123–143
 sedimentation rates, 114B6:127; 130B14:262
- Site 525
 biostratigraphy, 108B4:39; 113B30:471; 31:499;
 115B19:293
 carbon isotopes, 115B20:318; 36:662
 cerium anomalies, 115B39:709
 Eocene–Holocene latitudinal gradient, 119B38:709
 lithostratigraphy, 115A5:235
 magnetostratigraphic–biostratigraphic correlation,
 119B47:851–852
 oxygen isotopes, 119B38:713
 Paleogene, 115B19:310
- Site 526
 benthic foraminifers, 115A4:137
 carbon isotopes, 154B35:503
 porosity, 115A5:269
 stratigraphic hiatuses, 115B19:298
- Site 527
 biostratigraphy, 108B4:39
 carbon isotopes, 113B47:843; 120B(2)54:968;
 183B4:38
 early Paleogene surface water temperatures,
 113B48:859
 location, 119B38:714
 magnetostratigraphic–biostratigraphic correlation,
 119B47:851–852
 oxygen isotopes, 114B27:491; 119B38:709, 713, 715
 seismic profiles, 208A1:81
 stable isotopes, 208A1:60

- Site 528
 biostratigraphy, 108B4:39; 113B15:195; 38:652
 carbon isotopes, 115A7:473; 115B36:662
 oxygen isotopes, 119B38:709
 sedimentation rates, 115A5:259
 seismic profiles, 208A1:77
 water content, 115A5:269
- Site 529
 location, 119B38:714
 oxygen isotopes, 119B38:709, 713, 715
 stable isotopic stratigraphy, 108B16:291
- Site 530
 biostratigraphy, 108A6:419, 421; 108B4:39, 63;
 113B30:471–472
 total organic carbon, 175A17:509
- Site 532
 carbon/nitrogen ratio, 117B31:520
 carbon/sulfur ratio, 117B31:522–523, 525
 gases, 161A7:319; 9:403
 glacial–interglacial cycles, 175B(synthesis):80
 hydrogen index vs. oxygen index, 117B31:520
 iron sulfide formation, 117B31:517
 location, 117B31:518
 Miocene–Pleistocene sedimentary record, 175B6:1–19
 ocean circulation, 175A1:10
 organic carbon, 117B1:20; 31:525–526
 Pliocene/Pleistocene boundary, 175B(synthesis):84
 pyrite formation, 117B31:520, 523
 pyritization degree, 117B31:522
 reduced sulfur, 117B31:521
 total inorganic reduced sulfate, 117B4:94; 31:520
 total organic carbon, 117B31:520; 175A17:509
- Site 533
 gases, 112B31:514–515; 164B3:35
 geochemistry, 112B31:511
 nannofossils, 127/128B(1)11:173
- Site 534
 basal sediments, 123A1:12
 biostratigraphy, 123A3:44; 123B1:35; 13:246, 248–
 250; 39:747; 40:759, 764, 770, 775
 Cat Gap Formation, 149A8:267
 geomagnetic polarity, 123B40:763
 microfossils, 123B40:763
- Site 535
 basal sediments, 123A1:12
 biostratigraphic events, 123B40:770, 776
 “black shales,” 113B15:194
- Site 536, Cretaceous/Tertiary boundary, 165A1:7
- Site 540
 basal sediments, 123A1:12
 Cretaceous/Tertiary boundary, 165A1:7
- Site 541
 fluid pressure, 156B17:232–234
 tectonics and hydrology, 156B17:235
 vein structures, 112B1:7
- Site 543
 biostratigraphy, 123B13:246; 38:727
 well-log units, 171A_A3:29
- Site 544
 basal sediments, 123A1:12
 paleoenvironment, 127/128B(1)19:338
- Site 545, basal sediments, 123A1:12
- Site 546, basal sediments, 123A1:12
- Site 547, basal sediments, 123A1:12
- Site 548
 basal sediments, 123A1:12
 benthic foraminifers, 108B7:113
 bolivinids, 115B31:597
 oxygen isotopes, 119B38:709
 winnowing, 115B25:482
- Site 549, benthic foraminifers, 108B7:113–116
- Site 550, oxygen isotopes, 119B38:709
- Site 552
 biostratigraphy, 108A3:114, 116; 108B8:121–122,
 125–130, 136–137; 11:163–164; 114A5:106;
 114B24:437; 124B29:386
 carbonates, 162A4:114
 Cenozoic, 130B19:345
 deepwater circulation, 108B11:164–165
 glaciation, 162B12:184
 lava, 152B36:431–435; 40:488
 lithostratigraphy, 108B11:159–160; 124A12:315
 orbital forcing effect, 108B8:131–132
 oxygen isotopes, 108B12:180, 183; 114B25:471;
 117B22:397; 119B48:885; 120B(2)45:855
 Pliocene, 108B11:165; 138B15:345
 sedimentation rates, 124B28:376
 stable isotopes, 108B8:130–131; 11:160, 162–163;
 114B9:197
- Site 553, lava, 152B32:395; 36:431–435
- Site 554, lava, 152B32:395; 36:431–435; 40:488
- Site 555, lava, 152B32:395; 36:431–435; 40:488
- Site 556, greenschist-facies alteration, 118B26:491
- Site 558
 biostratigraphy, 108A12:841; 108B4:63; 113B38:652;
 115B40:723; 121B2:50–51
 carbon isotopes, 121B11:250
 dissolved organic carbon, 113B13:169, 176
 oxygen isotope event, 121B2:50–51
 stable isotopic stratigraphy, 108B16:288
 sulfate reduction, 113B13:174
- Site 563
 biostratigraphy, 108A12:841; 108B2:15; 4:63; 16:287;
 113B36:595; 41:710; 43:761; 38:652;
 115B15:184; 121B2:51
 carbon isotopes, 120B(2)44:851; 121B11:250
 Oligocene/Miocene boundary, 121B11:249
 Oligocene–Miocene sediments, 119B40:732
 oxygen isotopes, 120B(2)44:851; 121B2:51; 150A2:13
 stable isotopes, 108B16:281, 288, 290; 120B(2)45:857
 strontium isotopes, 119B40:733
- Site 565
 chloride, 125A8:162
 geochemistry, 112B31:511
 hydrocarbon gases, 112B31:514–515
 pore water, 112A14:386; 125B21:381
 stratigraphic section, 170A1:11
 tectonics, 170A1:12
- Site 566, carbon isotope stratigraphy, 121B11:249
- Site 568
 chloride, 125A9:162
 gas hydrates, 125B21:381

- geochemistry, 112A14:386; 112B31:511
hydrocarbon gases, 112B31:514–515
vein structures, 112B1:7
Site 569, vein structures, 112B1:7
Site 570
chloride, 125A8:162
gas hydrates, 112A14:386; 17:644; 164B19:180
pore water, 112A14:386; 125B21:381–382
Site 572
biostratigraphy, 112A16:540; 115B20:326
mass accumulation rates, 138B19:455
Pliocene, 115B20:328, 369, 377
Pliocene carbonate accumulation, 115B26:511
Site 573
biostratigraphy, 112A13:316; 115B22:404; 31:603
calcium/magnesium gradient, 115B34:643
carbonate stratigraphy 704, 114B28:522–524
Site 574
abundance patterns, 108B2:15–17
age estimates, 108B2:12–15, 19
biostratigraphy, 108B2:9, 11, 20; 112A16:540
calcium carbonate, 121B11:246
carbon isotopes, 120B(2)44:851; 121B11:248–249
high-frequency signals, 120B(2)45:857
location, 119B38:714
oxygen isotopes, 119B38:713, 715; 120B(2)45:855;
121B2:51; 11:246–247
sedimentation rates, 108B2:15, 20
stable isotopes, 108B16:291; 205B4:14–15
Site 575
biostratigraphy, 121B2:51; 138B21:482
calcium carbonate, 121B11:246
carbon isotopes, 121B11:249
oxygen isotopes, 121B11:246–247
Site 576, Cretaceous/Tertiary boundary, 145B28:427–434
Site 577
biostratigraphy, 114B27:481, 496, 500; 115B23:417;
119B27:497, 504; 38:704, 706, 708; 121B1:19;
18:408; 138B21:482
carbon isotopes, 113B47:843; 114B27:506–508;
119B38:714; 120B(2)54:970
Cretaceous/Tertiary boundary, 120A9:307;
130B45:749, 751
deepwater model, 114B27:494
magnetic properties, 119B43:758
magnetostratigraphic-biostratigraphic correlation,
119B47:852
manganese, 115B39:710
oxygen isotopes, 114B27:491, 493–494; 119B38:709
sedimentation rates, 130B14:262
site correlation, 132B3:42–43
stable isotopes, 145B38:584
Site 578
diatoms, 127/128B(1)20:350
volcanic ash, 132B5:58, 60–65
Site 579
biosiliceous productivity, 127/128B(1)17:311–313
diatoms, 127/128B(1)20:350
volcanic ash, 132B5:58, 60–65
Site 580
biosiliceous productivity, 127/128B(1)17:311–313
biostratigraphy, 127/128B(1)20:350; 26:447
paleoclimatology, 145B3:48–50
volcanic ash, 132B5:58, 60–65
Site 581
diatoms, 127/128B(1)17:311, 316
paleomagnetism, 191B8:2–3, 7, 21–22
temperature change, 127/128B(2)74:1160
Site 582
pore water, 127/128B(1)40:698; 131B31:387–388
sediment permeability, 131B19:236
sediment reconsolidation, 131B20:249–251
stratigraphy, 131B26:318–319, 329
turbidites, 131A6:123; 131B2:18
veins, 112B1:7; 127/128B(2)75:1180
Site 583
pore water, 127/128B(1)40:698; 131B31:387–388
sediment permeability, 131B19:236
stratigraphy, 131B26:318–319, 329
turbidites, 131A6:123; 131B2:18
Site 584
age vs. depth, 186A1:32
basement age, 127/128B(1)44:749
Cretaceous unconformities, 186A1:4
helium isotope ratios, 127/128B(1)44:749
pore water oxygen isotopes, 127/128B(1)40:698
sedimentation rates vs. age, 186A1:33
tectonic setting, 127/128B(2)82:1312
vein structures, 112B1:7
volcanic ash, 127/128B(2)82:1319–1320
Site 585
air gun profile, 129B31:560
lithostratigraphy, 129B31:555
seismic stratigraphy, 129B21:565–566
site correlations, 129A4:189
Tertiary, 129B31:562
Site 586
light-hydrocarbon yields, 121B23:461
paleoceanography, 130B19:333–348
radiolarians, 117B4:98
seismic stratigraphy, 130A10:516; 130B3:36
stratigraphic correlation, 130B35:587–606
tephrochronology, 130B25:423–444
See also Site 289; Site 586
Site 588
calcareous–biosiliceous ooze transition surface water
temperature correlation, 119B48:888
calcareous nannofossils, 108A6:421; 108B2:16
calcium/magnesium gradient, 115B34:642
clay mineralogy, 133B30:467–470
oxygen isotopes, 119B48:887
paleoenvironment, 127/128B(1)19:338
strontium isotopes, 117B27:462
Site 590
biostratigraphy, 115B20:324; 119B40:735
calcareous–biosiliceous ooze transition surface water
temperature correlation, 119B48:888
calcium/magnesium gradient, 115B34:642
Miocene sediments, 119B40:732
oxygen isotopes, 119B48:887
paleoenvironment, 127/128B(1)19:338
Paleogene, 115B20:322

- strontium isotopes, 117B27:459, 462; 119B40:733, 735
- Site 591
calcium/magnesium gradient, 115B34:642
paleoenvironment, 127/128B(1)19:338
- Site 592
Bolboforma, 114B18:325
calcium/magnesium gradient, 115B34:642
Eocene–Oligocene sediments, 125B4:71
- Site 593
paleoceanography, 181B1:6–7
strontium isotopes, 117B27:462
water masses, 133B14:186
- Site 594
age vs. depth, 181B1:108
biostratigraphy, 114B5:100; 119B28:544; 181B1:17–18
clay mineralogy, 181B1:27, 100
paleoceanography, 181B1:6–7
- Site 595, physical properties, 129B27:490
- Site 597
alteration, 124B17:233
ocean-floor basalt mineralogy, 121B2:56
paleomagnetism, 191B8:3, 7–8, 23–25
physical properties, 129B27:490
- Site 603
basal sediments, 123A1:12
biostratigraphy, 123A1:44; 123B13:246; 16:359; 38:722; 39:746; 40:759, 763, 764, 770, 775
deposition, 171B_A6:259–260, 262
ferruginous smectite spherules, 121B25:491
geomagnetic polarity study, 123B39:763
- Site 605
nannofossil biostratigraphy, 113B30:472
Paleocene–Eocene interval, 150X_B9:93–95
- Site 606
biostratigraphy, 108B5:83; 8:121, 123, 130; 11:163; 117B21:38
isotope stratigraphy comparison, 114B23:415
magnetostratigraphic correlation, 117B2:3
oxygen isotopes, 108B12:180, 183
Pliocene stages, 138B15:345
sedimentation rates, 124B28:376
- Site 607
biostratigraphy, 108B8:121–122, 125–130; 117B2:38, 40
carbon isotopes, 177B(synthesis):16, 41
composite depth model, 117B20:345
glaciation, 154B16:251
magnetostratigraphy, 117B2:39; 121B15:306–307
orbital forcing, 108B8:131–132, 136–137
oxygen isotopes, 108B12:180; 114B24:437; 117B2:371; 22:397; 120B(2)45:855; 121B15:303; 127/128B(1)23:403
Pleistocene chronostratigraphy, 115B29:547
Quaternary, 138B17:386–387, 389, 391
sea level changes, 133B16:217
sedimentation, 121B15:306; 154B19:286
site comparisons, 121B15:304; 133B12:171
spectral mapping, 108B8:130–131; 121B14:285
- Site 608
age estimates, 108B2:14–15, 18
biostratigraphy, 108B2:16; 115B15:182; 117B2:38; 120B(2)35:639–640; 121B2:51
climatic controls, 115B41:768
lysocline, 115B41:760
magnetic susceptibility, 115B41:744
oxygen isotopes, 121B2:51; 150A2:13
stable isotopic stratigraphy, 108B16:291; 120B(2)45:857
strontium isotopes, 121B44:921
- Site 609
biostratigraphy, 108A7:114; 117B2:38
composite depth model, 117B20:345
ice-rafted debris, 114B28:529
magnetostratigraphy, 108B27:444; 117B2:39; 121B17:385–388
ocean circulation, 154B30:459–460
oxygen isotopes, 162B4:57
- Site 610
biostratigraphy, 108A3:114; 108B2:16; 115B15:182; 117B2:38; 121B2:51
magnetostratigraphy, 117B2:39
oxygen isotopic correlation, 121B2:51
- Site 611, biostratigraphic-magnetostratigraphic correlation, 117B2:39
- Site 612
biostratigraphy, 114B4:80; 18:325
microkrystites, 150B13:255
submarine canyons, 150B15:284
tektites, 150B13:259
- Site 618, dissolved organic carbon, 113B13:169, 176
- Site 619
dissolved organic carbon, 113B13:169, 176
pyrolysis, 112B38:583
- Site 623
dissolved organic carbon, 113B13:169, 176
sulfate reduction, 113B13:174
- Site 628, biostratigraphy, 124B25:351; 130B9:113–136
- Site 631, geochemistry, 133B48:716
- Site 633
carbonate fine fraction content, 115B29:543, 546
chronostratigraphy, 115B29:547, 549–551
magnesian calcite, 115B29:546, 551
organic carbon, 108A8:565–566
oxygen isotopes, 115B29:547, 551–578; 30:579
Pliocene–Pleistocene cyclicity, 115B29:539–541
supercycle global occurrence, 115B29:562–565
- Site 637
age vs. depth, 103A8:155–156
bathymetry, 103A5:86; 8:124, 161; 103B13:211; 14:226; 16:242; 36:636
calcareous sediments, 103B36:639–641
clays, 103B36:647
contourite facies, 103B36:639, 644
deposition, 103B36:637
drilling summary, 103B45:810
F division, 103B36:643–644, 651
lithologic units, 103A8:129–131, 160, 162
location, 103A8:126; 103B2:15
magnetostratigraphy, 103A1:10; 8:143–148

mass accumulation rates, 103A8:155–156
 mud, 103B36:646–647
 North Atlantic opening, 103B13:210
 ocean/continent boundary, 103B45:811–812, 814–816
 passive margin serpentinite, 125A2:11
 pelagic and hemipelagic facies, 103B36:637–639, 644
 physical properties, 103A8:151–160
 pore water chemistry, 103A8:145, 149–150; 103B28:479–481, 484–486; 36:652
 reflectivity, 103A8:151–154
 Rock-Eval pyrolysis, 103A8:145
 sediment cover, 103A8:127
 sedimentation rates, 103B36:638, 649
 seismic reflection profiles, 103A8:124–125, 161; 103B13:211
 silt, 103B36:645–647
 Tc-Te division, 103B36:642, 645, 651, 653–654
 turbidite facies, 103B36:638–640
 well-logging, 103A8:155–156, 164–166

Site 638

age vs. depth, 103A9:269–271
 Barremian geolipids, 103B33:560–561
 bathymetry, 103A5:87; 27:462
 biostratigraphy, 119B25:452; 123B16:359
 carbon, 103B34:569–570, 583–584
 cerium anomalies, 115B39:709
 Cretaceous/Tertiary boundary, 103A9:271
 depth, 103A9:225, 229, 288
 drilling data, 103A9:272, 274–275, 284, 287–289; 103B45:810–811
 Hauterivian geolipids, 103B33:560–561
 lithologic units, 103A9:230–236, 272, 274, 284, 289
 location, 103A9:224–227, 287
 Neogene valley fill, 103A9:277–278, 287
 organic matter, 149B13:295–300
 paleomagnetism, 103A9:247–250
 physical properties, 103A9:223, 254–255, 258–268, 271, 274, 278, 284, 289–294
 pore water chemistry, 103A9:251–255, 276; 103B28:480–482, 484–486
 rift timing, 103A9:279, 281–282
 Rock-Eval pyrolysis, 103A9:251
 sedimentation rates, 103B40:734, 736
 seismic correlations 103A9:224, 271–272, 278–279, 285, 287–289, 295; 103B45:828
 well-logging, 103A9:271, 273–275, 277–282, 290–294

Site 639

basal sediments, 123A1:12
 bathymetry, 103A5:87; 103B10:156
 calcium carbonate, 103A10:432–433
 cerium anomalies, 115B39:709
 clays, 103A10:451, 462
 conglomerate, 103A10:448, 450
 dolomite, 103A10:450–451; 103B10:158–162; 11:181–183
 drilling, 103B45:810–811
 faults, 103B9:145; 45:819, 822
 geologic cross section, 103A1:16; 10:411, 450; 103B9:146; 45:825
 hole positions, 103B8:106

limestone, 103A10:450; 103B10:160–161
 lithologic summary, 103A10:410, 415–423, 448
 location, 103A10:411–414
 marl, 103A10:451
 metasedimentary rocks, 103A10:425
 paleomagnetism, 103A10:430
 physical properties, 103A10:434–444, 446–448, 452–461
 pore water chemistry, 103A10:430–431, 433–435, 480, 482–486
 quartzite breccia, 103A10:425
 rift timing, 103B45:819, 827
 Rock-Eval pyrolysis, 103A10:430
 sandstone, 103A10:450–451
 sedimentation rates, 103B40:734, 736
 seismic reflection profiles, 103A10:412–413, 445, 449; 103B10:156; 11:172
 stylolites, 103B10:160–161
 talus, 103A10:451
 well-logging, 103A10:445–448, 452–461

Site 640

age vs. depth, 103A11:544–545
 bathymetry, 103A5:86; 11:535
 calcium carbonate, 103A11:541
 carbon, 103B34:569
 carbonate platforms, 103A11:553
 clayey ooze, 103A11:537
 clays, 103A11:536–537, 550
 drilling, 103B45:811
 limestone, 103A11:537
 lithology, 103A11:533–534, 538, 541, 547–550
 location, 103A1:13, 16; 11:533–536
 paleomagnetism, 103A11:539–541
 physical properties, 103A11:543–544, 548–549
 pore water chemistry, 103A11:541, 544–545; 103B28:480, 483–486
 reflectors, 103A11:552
 sandstone, 103A11:537–538
 seismic correlations, 103A11:536, 545–546
 well-logging, 103A11:534, 548–549

Site 641

age vs. depth, 103A12:593–594, 598
 Albian geolipids, 103B33:560–561
 bathymetry, 103A5:87; 103B35:589
 benthic foraminifers, 123A3:44; 123B13:246; 38:722, 746
 calcareous ooze, 103A12:576
 carbon, 103B34:569–570, 583–584
 Cenomanian geolipids, 103B33:560–561; 34:573–574
 clays, 103A12:571–572, 576–580
 drilling, 103B45:810–811
 limestone, 103A12:579–580
 lithologic summary, 103A12:572, 576
 location, 103A12:571–574
 marl, 103A12:576–580
 organic matter, 149B13:295–300
 paleomagnetism, 103A12:584–585
 physical properties, 103A12:591–597, 603–605
 pore water chemistry, 103A12:586–587, 590; 103B28:480, 484–486; 31:520, 524
 reef environment alteration, 103B31:529

- Rock-Eval pyrolysis, 103A12:585–586, 589;
103B33:558, 560
- sedimentation rates, 103B40:734, 736
- seismic reflection profiles, 103A12:574, 596–597, 601;
103B45:828
- stratigraphy, 103A12:600–601
- well-logging, 103A12:595, 599–600, 603–605
- Site 642
 - acoustic impedance, 104A4:179, 181, 183, 185, 186–
190; 104B44:943, 948; 51:1040
 - age vs. depth, 104B6:206; 51:1058; 151B27:458
 - alteration, 104B21:413; 24:440
 - anisotropy, 104A4:186–189, 191
 - Atlantic Ocean comparison, 104B9:262–263, 265
 - attenuation, 104B46:965–972
 - basalt porosity-hydrogen relationship, 118B14:262
 - basement, 120B(2)45:857
 - bathymetry, 104B9:256; 18:358; 41:904
 - beidellite-natronite series, 104B20:399–408
 - biogenic particles, 104B5:77–78, 80, 83, 86, 89–92,
94–110; 6:192–193, 197, 200, 217–221
 - Brito-Arctic igneous province, 104B33:663–669, 671–
672
 - carbon, 104A4:174–175, 177
 - carbon isotopes, 104B12:285–289
 - carbonate, 104A4:64–65, 67, 69, 71, 73; 114B25:471
 - celadonite, 104B20:399–408
 - Cenozoic rift-drift events, 104B50:1020, 1022–1023
 - chemical stratigraphy, 104B21:413; 24:440; 51:1040
 - core and depth charts, 104A4:88–89
 - crustal configuration, 104B51:1045
 - dike units, 104A4:100–101
 - downhole logs, 104A4:191–195; 104B44:943, 948;
45:953–964; 47:973–978
 - drilling, 104A7:754–755; 104B1:16, 19–23; 51:1037;
52:1076
 - dropstones, 104A4:64, 71–73, 76–77
 - emplacement evolution model, 104B51:1049, 1051
 - environmental alterations, 104A4:101
 - fine-grained sediments, 104A4:95–96, 97
 - geochemical data, 104A4:98, 101, 103–106
 - geochronology, 104B52:1078–1081
 - Gilbert Chronozone normal zones, 119B43:753
 - ice-rafted debris, 104A4:76–77; 104B1:62; 4:61–68,
70–71; 36:739–744
 - isotopes, 104B10:273–278; 12:285–289; 23:430–434;
24:437–447
 - liquidity index, 104B43:928, 933
 - lithostratigraphy, 104B2:31; 20:399; 21:413; 22:421–
428; 24:440; 51:1040; 52:1077
 - location, 104A4:54; 104B4:63; 5:76; 6:191–192;
17:338; 19:368; 20:398; 21:412; 24:438; 40:830;
42:912; 43:924; 44:942; 50:994
 - magnetostratigraphy, 104A4:165, 167, 199;
104B9:265; 40:838; 41:906–910
 - major elements, 104B19:371–372, 374, 384–394
 - medium-grained sediments, 104A4:96, 97
 - methane, 104A4:174, 177; 104B13:292–294; 15:323
 - mineralogy, 104A4:90, 101, 103, 105–106; 104B2:32;
3:44–45, 47–52; 19:370–371; 20:399–408
 - mud, 104A4:61, 64–65, 67–68, 70–77
 - Neogene, 151B27:455–468
 - organic carbon, 104B6:191–192; 13:295–296; 14:309–
311
 - oxygen isotopes, 104B4:67–68; 6:194–195, 196–197,
216–217; 10:273–278; 12:285–289
 - paleoceanography, 104B6:189–214; 52:1076
 - paleoclimatology, 104A4:74, 77; 104B2:35–36, 39;
52:1076
 - paleoenvironment, 104B5:89–92; 52:1067, 1083–
1088
 - paleogeography, 104B52:1082
 - petrography, 104B19:369–370, 374–376, 395; 21:413;
24:440
 - physical properties, 104A4:176–191; 104B43:925,
928, 931–933, 939–940; 44:943, 945–946, 948;
51:1040
 - pore water chemistry, 104A4:174–176, 178–179
 - potassium logs, 104A4:219–229
 - preglacial environment, 104B9:265–267; 51:1039
 - rare earths, 104B22:422
 - Rock-Eval pyrolysis, 104A4:175, 178; 104B13:292,
295
 - saponite, 104B20:400–408
 - sedimentation, 104A4:61, 71, 72, 76, 83; 104B4:64;
5:91; 6:195, 198–200, 207–210
 - sediments, 104A4:66–67, 83, 84–87, 90–91, 93–96,
152–166, 168; 5:80, 83, 86, 96–110, 6:217–221;
104B51:1040
 - seismic stratigraphy, 104A4:54–55, 199–204, 207–209;
104B2:23; 40:831; 44:946–949; 163B1:7
 - site correlations, 104B5:88
 - synthetic seismograms, 104B44:950
 - terrigenous particles, 104B5:77, 80, 83, 89–92, 94–
110; 6:192–193, 197, 200–202, 204, 217–221
 - Tertiary rift-drift events, 104B51:1041
 - tholeiitic lavas, 104B19:367–369, 380–381
 - thorium logs, 104A4:219–229
 - T_{max} sediment values, 104A4:175–176
 - torque vs. rotation plot, 104A4:182
 - trace elements, 104A4:101, 103–104; 19:372–374,
376, 378–381, 384–394; 22:422
 - uranium logs, 104A4:219–229
 - vertical seismic profiles (VSP), 104A4:198–205
 - volcanic ash, 104A4:71–74, 77; 104B5:77–78, 80, 83,
86, 90–92, 94–110; 6:217–221
 - volcanics, 104A4:54, 90–91, 98, 166–174, 175;
104B19:377–380, 396; 20:397–398; 22:419–421;
23:429, 431; 42:913–914; 163B1:5
 - wave-train patterns, 104A4:200–201
 - well-logging, 104A4:185, 193, 195, 198
- Site 643
 - abiological decarboxylation, 104B7:233
 - acoustic impedance, 104A5:494, 496–500;
104B44:944, 949
 - aerobic oxidation, 104B7:233
 - age vs. depth, 104B6:206; 51:1058
 - Arctic-Antarctic correlations, 114B9:193–200
 - authigenic carbonates, 104B7:241–242
 - bathymetry, 104B9:256, 358; 41:904
 - biogenic particles, 104B5:77–79, 85, 89–92, 111–136;
6:192–193, 223–229

- biostratigraphy, 114B9:193, 198; 124B12:174–175;
 162A8:276; 162B7:102–105; 11:173–175
- carbon isotopes, 104B7:234; 12:285–289
- carbonate, 104A5:489–493, 495–496; 162B12:181
- drilling, 104A7:755, 763–764; 104B1:16, 19, 25;
 51:1037; 52:1076
- geochemistry, 104B7:235–237
- ice-rafted debris, 104B4:61–68, 72; 36:739–744
- isotopes, 104B10:273–278; 12:285–289
- liquidity index, 104B43:928, 938
- lithology, 104A5:464, 466–468, 505; 104B2:31;
 52:1077
- location, 104B4:63; 5:76; 6:191–192; 17:338; 19:368;
 20:398; 40:830; 42:912; 43:924; 44:942; 50:994
- magnetostratigraphy, 104B9:259; 41:906–909
- methane, 104B13:292–294; 15:323; 27:489–491
- microbial methanogenesis, 104B7:233
- microtextures, 104B7:236, 238, 241, 244–247
- mineral/boehmite peak-area ratios, 104B2:32
- mineralogy, 104B3:42–47; 7:235–237
- Miocene bottom water circulation, 104A5:467
- mud, 104A5:461–464
- Neogene, 151B27:455–468
- organic carbon, 104A5:489–491; 104B6:191–192;
 13:295–296; 14:311–312
- oxygen/carbon isotopes, 104B7:235–236, 239–240
- oxygen isotopes, 104B4:67–68; 6:194–198, 221–223;
 9:257–258, 260; 10:273–278; 12:285–289
- paleoceanography, 104A5:466; 104B6:189–214;
 52:1076
- paleoclimatology, 104A5:466; 104B2:35–36, 39;
 52:1076
- paleoenvironment, 104B5:89–92; 7:241–242;
 52:1067, 1078–1081, 1083–1088
- paleogeography, 104B52:1082
- petrology, 104A5:502–503
- physical properties, 104A5:494–500; 104B43:925,
 928, 935–938; 44:940, 944, 946, 949
- pore water chemistry, 104A5:491–494; 104B7:233–
 234
- precipitation, 104B7:233–234
- preglacial section, 104B51:1039
- Rock-Eval pyrolysis, 104A5:491–492; 104B13:292, 295
- sandy mud, 104A5:461–464
- sedimentation rates, 104B4:64; 6:195, 198–200, 207–
 210
- sediments, 104B7:234–235, 238
- seismic reflectors, 104B44:946–949
- site comparisons, 104A4:501; 104B5:88
- surface water circulation, 104B52:1089–1107
- synthetic seismograms, 104B44:950
- terrigenous particles, 104B5:77, 79, 85, 89–92, 111–
 136; 6:192–193, 197, 201, 203, 205, 223–229
- volcanic ash, 104A5:466, 468–470; 104B5:77–79, 85,
 90–92, 111–136; 6:223–229
- X-ray diffraction data, 104B3:45
- Site 644
- age vs. depth, 151B27:458
- bathymetry, 104B9:256; 18:358; 41:904
- biogenic particles, 104B5:77, 81, 84, 87, 89–92, 94,
 137–188; 6:192–193
- carbon, 104B9:257, 259–260
- carbon isotopes, 104B11:281–283; 12:285–289, 290
- drilling, 104A7:764; 104B1:16, 19, 26; 52:1076
- geochemistry, 112B31:509, 513
- geochronology, 104B52:1078–1081
- hydrocarbon gases, 104A6:645–646; 104B13:292–294;
 112B31:514
- hydrogen isotopes, 104B10:273–278; 12:285–289
- ice-dominated conditions, 104A6:625
- ice-rafted debris, 104B5:61–68, 73–74; 36:739–744
- liquidity index, 104B43:928, 930
- lithology, 104A6:618–624; 104B52:1077
- location, 104A6:619; 104B4:63; 17:338; 19:368;
 20:398; 40:830; 42:912; 43:924; 44:942, 944
- magnetostratigraphy, 104B9:265; 40:833–834;
 41:906–908
- mineralogy, 104B3:44, 49–50, 57
- Neogene, 151B27:455–468
- organic carbon, 104A6:646; 104B6:191–192; 13:295–
 296; 14:311–312; 15:325
- oxygen isotopes, 104B5:67–68; 6:194–195, 199;
 9:257–259, 261–264; 10:273–278; 12:285–289;
 52:1111
- paleoceanography, 104B6:189–214; 52:1076
- paleoclimatology, 104B52:1076
- paleoenvironment, 104B5:89–92; 52:1067, 1083–
 1088
- paleogeography, 104B52:1082
- physical properties, 104A6:649–652; 104B43:925–
 926, 928, 930, 939–940
- pore water chemistry, 104A6:646–649
- preglacial environment, 104B9:265–267
- Quaternary glacial fluctuations, 104A6:622, 625
- Rock-Eval pyrolysis, 104A6:648; 104B13:292, 295
- sediment gases, 104B11:281–283
- sedimentation rates, 104A6:620; 104B4:64; 6:195,
 198–200
- seismic correlations, 104A6:650–651, 653
- site correlations, 104B5:88
- stable isotopes, 104B9:256–257
- strontium isotopes, 104B10:273–276, 278
- surface water masses, 151B30:493–514
- terrigenous particles, 104B5:78, 81, 84, 87, 89–92,
 137–188; 6:192–193
- X-ray diffraction data, 104B3:54–55, 58
- Site 646
- geothermal gradient, 117A8:186
- location, 120B(2)27:494
- Milankovitch cycles, 114B29:551
- physical properties, 114B29:552
- Site 647
- age vs. depth, 120B(2)27:497
- biostratigraphy, 114B18:325; 120A8:250;
 120B(2)27:497, 499; 124B12:174, 176
- location, 120B(2)27:494
- porosity, 117A11:361
- Site 648
- alteration, 106/109A4:63–64; 106/109B10:117–121
- bathymetry, 106/109A2:17–18; 4:37; 106/109B7:68
- coring, 106/109A3:23–25, 28–31; 4:42, 44–50;
 153A1:5

- crustal structure, 106/109A2:16, 18, 20
 crystal growth rates, 106B11:129
 electron microprobe data, 106/109A4:60; 106/
 109B2:12; 7:78; 11:129; 27:300
 elevated pressure fractionation, 106/109B2:15–16
 geochemistry, 106/109A4:56–63; 6:58–64, 69–73;
 106/109B14:183–189, 191–192
 geologic maps, 106/109A4:43
 groundmass, 106/109A4:52–56
 halos, 106/109A4:66
 hysteresis loop parameters, 106/109B27:298–299
 igneous petrology, 106/109B24:275; 26:281
 instrument deployment, 106/109A3:25–27
 lava, 106/109A4:39, 42; 106/109B1:3–7; 24:279–280
 liquid compositions, 106/109B2:13
 lithostratigraphy, 106/109A4:50–52; 106/109B6:59
 location, 106/109A1:4
 magnetic field, 106/109A2:21–22; 106/109B24:275–
 281; 26:292–295, 298–301
 magnetomineralogy, 106/109B25:284–285
 magnetostratigraphy, 106/109A4:68–77
 melting experiments, 106/109B2:9–10
 multiple saturation, 106/109B2:10
 paleomagnetic models, 106/109B24:278–279
 petrography, 106/109A4:52, 64–68; 14:182; 106/
 109B11:125; 14:182–183
 petrology, 106/109A4:56–63
 phenocrysts, 106/109A4:52–55
 physical properties, 106/109A1:12, 13; 4:76–82
 plagioclase zoning, 106/109B4:30; 11:125–128, 138–
 141
 pressure effects on augite, 106/109B2:10–11
 regional comparisons, 106/109B7:73, 76
 stratigraphic section, 106/109B7:68–69, 72, 84
 summary, 106/109A3:29–30
 titanomagnetite, 106/109B25:283
 volcanos, 106/109A2:15–16; 4:36–37, 39–42; 106/
 109B7:68, 70–72, 83
 X-ray diffraction data, 106/109A4:67; 106/
 109B14:187–188
 Site 650, atmospheric circulation systems, 108A2:34
 Site 651
 basal sediments, 107A7:327; 107B9:132, 139
 basement, 107B5:77
 bathymetry, 107A5:92; 7:288, 294; 107B3:39; 9:130;
 10:142; 38:618, 717
 biostratigraphy, 107A7:305–311; 107B38:672, 676
 geochemistry, 107A7:315–317; 107B19:310
 geologic evolution, 107B4:61; 9:129–130
 igneous stratigraphy, 107B4:73–74
 lithostratigraphy, 107A7:287, 290–292, 301–303, 313,
 321–323; 107B1:7; 9:131; 35:580–581; 38:653
 location, 107A5:92; 7:293; 107B1:5; 2:30; 3:38; 5:76;
 8:114; 18:293; 20:324; 35:580; 36:592; 38:640,
 670
 magnetostratigraphy, 107A7:311; 107B21:337
 Messinian, 107A17:289
 navigation data, 107A5:91
 organic geochemistry, 107A7:314–315; 107B36:592
 petrology, 107A7:304
 physical properties, 107A7:291, 311–314
 Pleistocene subsidence, 107B38:722, 726
 Pliocene–Pleistocene interval, 107B38:652–655
 pore water chemistry, 107A7:315–317; 107B36:594
 primary magnetization, 107B8:114–122
 sedimentary cycles, 107A7:327
 sedimentary instability and Neptunian dikes,
 107A7:304
 seismic stratigraphy, 107A5:93, 98–103; 7:313–314;
 107B38:627
 well-logs, 107A7:323–324, 329–331
 Site 653, strontium isotopes, 117B27:462
 Site 657
 aeolo-marine sediment record, 108B15:241–242, 244–
 245, 255–260
 atmospheric carbon dioxide, 108B29:468
 atmospheric circulation systems, 108A2:34
 bathymetry, 108A2:33; 3:107; 4:223; 14:949
 biostratigraphy, 108A1:15–20, 22–23; 2:35–43;
 108B3:24; 4:36, 39, 63–64; 5:71–76, 80, 83;
 10:154–156
 carbonate content, 108A2:46; (appendix):1055
 climate change, 108B10:149–151; 29:471–481
 composite depth, 108A1:24–25; 2:49–50, 52
 coring, 108A1:5, 7–13; 2:32–34
 deepwater masses, 108A2:34
 environmental significance, 108B19:338–340
 general circulation models, 108B29:463–471
 glacial boundary conditions, 108B29:464–468
 inorganic geochemistry, 108A1:23–24; 2:45
 lipid composition, 108B20:352–357
 lithostratigraphy, 108A2:31–32, 34–35; 3:106
 magnetic properties, 108A1:15, 23; 2:43–44; 14:949;
 15:1005–1006; 108B26:429–430, 432
 modal composition, 108B19:335, 338
 mud flow units, 108A3:133
 navigation data, 108A14:949
 organic geochemistry, 108A1:23; 2:45–47; (appen-
 dix):1055; 108B21:361–362, 363–365, 373–379
 organic matter maturity, 108B21:374–375
 physical properties, 108A1:24; 2:47–48, 50–52, 55;
 16:1015–1016; 108B24:407–413
 sea-surface temperature and circumantarctic changes,
 108B29:469–471
 seasonal insolation heating, 108B29:464
 sediment mass accumulation rates, 108A2:45
 sedimentary structures, 108A1:13–15; 2:52
 sedimentology, 108A2:34–35
 seismic stratigraphy, 108A2:48–49; 14:949–950
 site correlation, 108A6:410
 slump deposits, 108A3:106, 114
 stratigraphic distribution, 108B19:340–341
 synthesis, 108B28:455–458
 tectonic uplift, 108B29:468–469
 terrigenous sources, 108B21:375–377
 textures and structures, 108B19:330, 332–333, 335
 turbidites, 108B19:341–342; 21:379
 well-logging, 108A1:25–26
 Site 658
 aeolo-marine sediment record, 108B15:241–242, 245,
 248–249, 253–254, 255–260
 age models, 108B8:122–124

atmospheric carbon dioxide, 108B29:468
 atmospheric circulation systems, 108A2:34
 bathymetry, 108A2:33; 3:107; 4:223; 14:949
 biogenic opal, 108A17:1047–1050
 biostratigraphy, 108A1:15–20, 22–25; 3:114–118;
 108B4:36, 39–40, 42, 63–64; 5:71–73, 75–76, 80,
 83; 6:94, 96–99; 7:113–114; 8:121–124, 126–
 131; 10:154–156; 28:455–458
 Brunhes Chron, 108B6:99–100; 12:177–180
 carbon isotopes, 108B12:183–184
 carbonate content, 108A3:125; (appendix):1055
 climatic change, 108B10:149, 151–152; 22:391–392;
 29:471–481
 coastal upwelling, 108B20:351
 composite depth, 108A1:24–25; 3:135
 coring, 108A1:5, 7–13; 3:106–110
 deepwater masses, 108A2:34
 depositional environment, 108A3:114
 general circulation models, 108B29:463–471
 geologic setting, 108A3:108
 glacial boundary conditions, 108B29:464–468
 hiatuses, 108B4:63; 12:174–177
 hydrocarbon gases, 108A3:124
 inorganic geochemistry, 108A1:23–24; 3:123–124
 lipids, 108A3:125–127; 112B34:543
 lithostratigraphy, 108A3:110–114
 magnetic properties, 108A1:15, 23; 3:118–120;
 14:949; 15:1005–1006; 108B26:429–430, 432–
 433
 molecular stratigraphy, 108B22:387–393
 navigation data, 108A14:949
 orbital forcing effect on climate, 108B6:99; 8:131–
 132, 136–137
 organic geochemistry, 108A1:23; 3:124–125; 17:1047–
 1050, 1055; 108B21:361–365, 373–375, 377–
 379, 400–401
 palynology, 108B6:93–94, 96, 101–102
 physical properties, 108A1:24; 3:127–129; 16:1015–
 1016; 108B23:400–404; 24:407–413;
 114B36:673
 Pliocene–Pleistocene record, 108B12:180–183
 Pliocene stages, 138B15:345
 Rock-Eval pyrolysis, 108A3:125–126
 rock-magnetic stratigraphy, 108B25:415–416
 sea-surface temperature, 108B29:469–471
 seasonal insolation heating, 108B29:464
 sediment composition, 108B23:397
 sediment mass accumulation rates, 108A3:120, 122–123
 sedimentary structures, 108A1:13–15
 sedimentology, 108A3:110–114
 seismic stratigraphy, 108A3:129, 131, 133; 14:950
 site comparison, 108B6:94
 slump deposits, 108A3:106
 stable isotope stratigraphy, 108B12:167, 168–170, 184
 tectonic uplift, 108B29:468–469
 Tenaghi Philippon sequence correlation, 108B6:100–
 101
 terrigenous carbon sources, 108B21:375–377
 terrigenous dust fluxes, 108B14:223
 vegetation development, 108B6:99
 well-logging, 108A1:25–26

Site 659

aeolo-marine sediment record, 108B15:241–242, 254,
 255–260
 age models, 108B8:122–124
 atmospheric carbon dioxide, 108B29:468
 atmospheric circulation systems, 108A2:34
 bathymetry, 108A2:33; 4:223; 14:949
 biostratigraphy, 108A1:15–20, 22–23; 4:229–232;
 108B3:26; 4:36, 39, 42, 62–64; 5:71–73, 75–76,
 80, 83; 7:113–114; 8:121–122, 126–131; 9:147;
 28:455–458
 carbon isotopes, 108B12:183–184
 carbonate content, 108A4:235–236; (appendix):1055
 climate change, 108B18:312–314, 319; 29:471–481
 coastal upwelling, 108B20:351
 composite depth, 108A1:24–25; 4:238–239
 contourites, 108B18:318–320
 coring, 108A1:5, 7–13; 4:223–224
 deepwater masses, 108A2:34
 depositional environment, 108A4:228
 general circulation models, 108B29:463–471
 geologic setting, 108A4:224
 glacial boundary conditions, 108B29:464–468
 hiatuses, 108B4:63; 12:174–177
 inorganic geochemistry, 108A1:23–24; 4:235
 lipid composition, 108B20:352–357
 lithostratigraphy, 108A4:222–223, 225–228
 magnetostratigraphy, 108A1:15, 23; 4:232–233;
 14:949; 15:1005–1006; 108B6:429–430, 433,
 441–446
 navigation data, 108A14:949
 orbital forcing and climate change, 108B8:131–132,
 136–137
 organic geochemistry, 108A1:23; 4:235–236; (appen-
 dix):1055; 108B5:361–363, 373–375, 377–379,
 400–401
 oxygen isotopes, 161A1:14
 palynology, 108B6:99
 physical properties, 108A1:24; 4:236–237, 242–244;
 16:1015–1016; 108B23:400–404; 24:407–413
 rock-magnetic stratigraphy, 108B25:415–416, 418
 sea-surface temperature, 108B29:469–471
 seasonal insolation heating, 108B29:464
 sediment composition, 108B23:397
 sediment mass accumulation rates, 108A4:233–234
 sedimentary structures, 108A1:13–15
 sedimentology, 108A4:225–228
 seismic stratigraphy, 108A4:237–238; 14:950
 site correlation, 108A6:410
 stable isotope stratigraphy, 108B12:167–170, 184
 tectonic uplift, 108B29:468–469
 terrigenous dust flux, 108B14:222
 terrigenous organic carbon, 108B5:375–377
 turbidite sequences, 108B18:314–318, 319
 volcanic ash, 108A4:228
 well-logging, 108A1:25–26

Site 660

aeolo-marine sediment record, 108B15:241–242, 255–
 260
 atmospheric carbon dioxide, 108B29:468
 bathymetry, 108A5:329, 331; 6:411; 14:949

- biogenic opal, 108A17:1047–1050
 biostratigraphy, 108A1:15–20, 22–23; 5:337–340;
 108B3:26, 29–30; 4:36, 39, 42, 62–64; 5:71–73,
 75–76, 80, 83; 17:308; 28:455–458; 30:487
 carbonate content, 108A5:342; (appendix):1055
 climate change, 108B22:391–392; 29:471–481
 composite depth, 108A1:24–25; 5:346, 349
 coring, 108A1:5, 7–13; 5:328, 330–331
 correlation, Site 661, 108A6:410, 421
 depositional history, 108A5:335–336
 general circulation models, 108B29:463–471
 geologic setting, 108A5:329–330
 glacial boundary conditions, 108B29:464–468
 hiatuses, 108B4:63
 inorganic geochemistry, 108A1:23–24; 5:342
 lithostratigraphy, 108A5:327, 330–331, 335
 magnetostratigraphy, 108A1:15, 23; 5:340–341, 344–
 345; 6:422, 429–430, 433; 14:949; 15:1005–
 1006
 molecular stratigraphy, 108B22:387–393
 navigation data, 108A14:949
 organic geochemistry, 108A1:23; 5:342, 377–379; (ap-
 pendix):1055
 physical properties, 108A1:24; 5:344–345, 347–349;
 16:1015–1016; 17:1047–1050; 108B24:407–413
 Rock-Eval pyrolysis, 108A5:343–344
 sea-surface temperature, 108B29:469–471
 seasonal insolation heating, 108B29:464
 sediment mass accumulation rates, 108A5:341
 sedimentary structures, 108A1:13–15
 sedimentology, 108A5:330–331
 seismic stratigraphy, 108A5:345–346; 14:950
 tectonic uplift, 108B29:468–469
 terrigenous dust fluxes, 108B14:223
 well-logging, 108A1:25–26
- Site 661
 aeolo-marine sediment record, 108B15:241–242, 255–
 260
 atmospheric carbon dioxide, 108B29:468
 bathymetry, 108A5:329, 331; 6:411; 14:949
 biostratigraphy, 108A1:15–20, 22–23; 3:30; 4:36, 39,
 42, 49, 62–64; 5:71–73, 75–76, 80, 83; 6:94, 101;
 108B6:417–419; 455–458
 carbonate compensation depth, 108B17:306–307
 carbonate content, 108A6:422–423; (appendix):1055
 climate change, 108B29:471–481
 composite depth, 108A1:24–25; 6:424–425
 coring, 108A1:5, 7–13; 6:410–412
 depositional history, 108A6:415
 general circulation models, 108B29:463–471
 geologic setting, 108A24:411
 glacial boundary conditions, 108B29:464–468
 hiatuses, 108B4:63
 inorganic geochemistry, 108A1:23–24; 108B25:422
 lithostratigraphy, 108A6:409–410, 412–415;
 108B17:297–298, 300, 302, 304, 306–308
 magnetic mineral alteration, 108B25:418–419
 magnetic properties, 108A1:15, 23; 6:419–420;
 14:949; 15:1005–1006; 108B26:429–430, 433
 navigation data, 108A14:949
- organic geochemistry, 108A1:23; (appendix):1055;
 108B25:422
 physical properties, 108A1:24; 6:423–427; 16:1015–
 1016; 108B24:407–413
 rock-magnetic stratigraphy, 108B25:415, 418, 421
 sea-surface temperature, 108B29:469–471
 seasonal insolation heating, 108B29:464
 sediment mass accumulation rates, 108A6:420–422
 sedimentary structures, 108A1:13–15
 sedimentology, 108A6:412–415
 seismic stratigraphy, 108A6:424; 8:559; 14:950
 site correlation, 108A6:421
 tectonic uplift, 108B29:468–469
 well-logging, 108A1:25–26; 6:425, 427
- Site 662
 aridity cycles, 108B9:143
 atmospheric carbon dioxide, 108B29:468
 bathymetry, 108A14:949
 biogenic and terrigenous fluxes, 108B14:212–224
 biostratigraphy, 108A1:15–20, 22–23; 7:492–493,
 495–496; 108B2:32; 4:36, 39, 49, 62–64; 5:71–
 73, 75–76, 80, 83; 8:122, 124; 13:191, 211;
 28:455–458; 30:487
 calcium carbonate, 108A7:497; 8:558; 9:621; (appen-
 dix):1055; 108B13:195; 14:222–223
 climate change, 108B9:144, 146–147, 156; 29:471–481
 composite depth, 108A1:24–25; 7:501–502;
 108B14:212
 coring, 108A1:5, 7–13; 7:488–489; 108B30:489, 491
 dust, 108B14:220–223
 general circulation models, 108B29:463–471
 geologic setting, 108A7:489
 geotechnical tests, 108A7:499
 glacial boundary conditions, 108B29:464–468
 hiatuses, 108B4:63
 inorganic geochemistry, 108A1:23–24; 7:497
 lithostratigraphy, 108A7:487, 491–492
 magnetic properties, 108A1:15, 23; 7:496; 14:949;
 15:1005–1006; 108B26:429–430, 433
 navigation data, 108A14:949
 opal content, 108B14:217–220, 223
 organic geochemistry, 108A1:23; 7:497, 499; (appen-
 dix):1055
 oxygen isotopes, 108B13:191–193, 211–212
 physical properties, 108A1:24; 7:499–502; 16:1015–
 1016; 108B24:407–413
 sea-surface temperature, 108B13:187–188, 193–195,
 197–198, 202, 205–206; 29:469–471
 seasonal insolation heating, 108B29:464
 sediment mass accumulation rates, 108A7:496–497
 sedimentary structures, 108A1:13–15
 sedimentology and depositional environment,
 108A7:491–492
 seismic stratigraphy, 108A7:499; 8:558–559; 14:950
 site correlation, 108A8:564
 slump deposits, 108A7:492; 8:572–573; 9:621
 well-logging, 108A1:25–26
- Site 663
 atmospheric carbon dioxide, 108B29:468
 bathymetry, 108A14:949
 biogenic and terrigenous fluxes, 108B14:212–224

- biostratigraphy, 108A1:15–20, 22–23; 8:562–564;
 108B3:32; 4:36, 39, 49, 52, 62–64; 5:71–73, 75–
 76, 80, 83; 14:211; 28:455–458
- carbonates, 108A8:565; 9:621; (appendix):1055;
 108B14:222–223; 175B(synthesis):70
- climate change, 108B29:471–481
- composite depth, 108A1:24–25; 108B14:212
- coring, 108A1:5, 7–13; 8:558–560
- depositional history, 108A8:561
- dust, 108B14:220–222, 223
- general circulation models, 108B29:463–471
- geologic setting, 108A8:558–559
- glacial boundary conditions, 108B29:464–468
- hiatuses, 108B4:63
- inorganic geochemistry, 108A1:23–24; 8:565
- lithostratigraphy, 108A8:557, 560–561
- magnetic properties, 108A1:15, 23; 8:564; 14:949;
 15:1005–1006; 108B26:429–430, 433
- navigation data, 108A14:949
- opal content, 108B14:217–220, 223
- organic geochemistry, 108A1:23; 8:565–566; (appen-
 dix):1055
- oxygen isotopes, 108B14:211–212
- physical properties, 108A1:24; 8:566–569; 16:1015–
 1016; 108B24:407–413
- sea-surface temperature, 108B29:469–471
- seasonal insolation heating, 108B29:464
- sediment mass accumulation rates, 108A8:564–565
- sedimentary structures, 108A1:13–15
- sedimentology, 108A8:560–561
- seismic stratigraphy, 108A8:569, 571–572; 14:950
- site correlation, 108A8:561, 574
- slump deposits, 108A8:572–573; 9:621
- tectonic uplifts, 108B29:468–469
- well-logging, 108A1:25–26
- Site 664
- age dating, 108A9:633
- aridity cycles, 108B9:143
- atmospheric carbon dioxide, 108B29:468
- bathymetry, 108A14:949
- biogenic and terrigenous fluxes dust, 108B14:220–223
- biostratigraphy, 108A1:15–20, 22–23; 9:624–628;
 108B3:32; 4:36, 39, 52–53, 62–64; 5:71–73, 75–
 76, 80, 83; 14:211; 28:455–458
- carbonates, 108A9:621, 629; (appendix):1055;
 108B14:222–223
- climate change, 108B9:144, 146–147; 10:156; 29:471–
 481
- composite depth, 108A1:24–25; 9:633–634;
 108B14:212
- coring, 108A1:5, 7–13; 9:621–622
- depositional environment, 108A9:623
- general circulation models, 108B29:463–471
- geologic setting, 108A9:621
- glacial boundary conditions, 108B29:464–468
- hiatuses, 108B4:63
- inorganic geochemistry, 108A1:23–24; 9:628–629
- lithostratigraphy, 108A9:622–623
- magnetic properties, 108A1:15, 23; 9:628; 14:949;
 15:1005–1006; 108B26:429–430, 433; 27:441,
 443–446
- navigation data, 108A14:949
- opal content, 108B14:217–220, 223
- organic geochemistry, 108A1:23; 9:629; (appen-
 dix):1055
- physical properties, 108A1:24; 9:629, 636–639;
 16:1015–1016; 108B24:407–413
- sea-surface temperature, 108B29:469–471
- seasonal insolation heating, 108B29:464
- sediment mass accumulation rates, 108A9:628
- sedimentology, 108A1:13–15; 9:621–623
- seismic stratigraphy, 108A9:629, 632; 14:950
- slump deposits, 108A9:620–621
- tectonic uplifts, 108B29:468–469
- well-logging, 108A1:25–26
- Site 665
- atmospheric carbon dioxide, 108B29:468
- bathymetry, 108A5:329; 14:949
- biostratigraphy, 108A1:15–20, 22–23; 10:744–747;
 108B3:32; 4:36, 39, 53, 62–64; 5:71–73, 75–76,
 80, 83; 28:455–458
- carbonates, 108A10:751–752; (appendix):1055
- climate change, 108B29:471–481
- composite depth, 108A1:24–25; 10:754
- coring, 108A1:5, 7–13; 10:742–743
- deepwater circulation, 108B11:164–165
- general circulation models, 108B29:463–471
- geologic setting, 108A10:742
- glacial boundary conditions, 108B29:464–468
- hiatuses, 108B4:63
- inorganic geochemistry, 108A1:23–24; 10:751
- isotopic variation, 108B11:157–158, 163–164
- lithostratigraphy, 108A10:741, 743–744; 108B11:158–
 159
- magnetic properties, 108A1:15, 23; 10:747–750;
 14:949; 15:1005–1006; 108B26:429–430, 433;
 121B17:378–380, 382–383, 385–386, 390
- magnetostratigraphy, 121B17:377–378
- mineralogy and grain size, 121B17:379
- navigation data, 108A14:949
- organic geochemistry, 108A1:23; 10:751–752; (appen-
 dix):1055; 108B11:164
- oxygen isotopes, 108B12:180, 183
- physical properties, 108A1:24; 10:752, 756–757;
 16:1015–1016; 108B24:407–413
- Pliocene climate, 108B11:165
- rock-magnetic stratigraphy, 108B25:415, 418
- sea-surface temperature, 108B29:469–471
- seasonal insolation heating, 108B29:464
- sediment mass accumulation rates, 108A10:750
- sedimentation rates, 124B28:376
- sedimentology, 108A1:13–15; 10:743–744
- seismic stratigraphy, 108A10:753–754; 14:950
- stable isotopes, 108B11:163–164
- tectonic uplift, 108B29:468–469
- transition field, 121B17:383–385
- well-logging, 108A1:25–26
- Site 666
- atmospheric carbon dioxide, 108B29:468
- bathymetry, 108A5:329; 14:949

biostratigraphy, 108A1:15–20, 22–23; 11:796–797;
 108B3:33; 4:62–63; 5:71–73, 75–76, 80, 83;
 28:455–458
 carbon isotope stratigraphy, 121B11:250
 carbonates, 108A11:800; (appendix):1055
 climate change, 108B29:471–481
 composite depth, 108A1:24–25
 coring, 108A1:5, 7–13; 11:792–794
 depositional history, 108A11:796
 general circulation models, 108B29:463–471
 geologic setting, 108A11:793
 glacial boundary conditions, 108B29:464–468
 hiatuses, 108B4:63
 inorganic geochemistry, 108A1:23–24; 11:799
 lithostratigraphy, 108A11:791, 794–796
 magnetic properties, 108A1:15, 23; 11:797–799;
 14:949; 15:1005–1006; 108B26:429–430, 433–
 434
 navigation data, 108A14:949
 organic geochemistry, 108A1:23; 11:799–801; (appen-
 dix):1055
 physical properties, 108A1:24; 11:801, 803–804;
 16:1015–1016; 108B24:407–413
 sea-surface temperature, 108B29:469–471
 seasonal insolation heating, 108B29:464
 sedimentary structures, 108A1:13–15
 sedimentology, 108A11:794–796
 seismic stratigraphy, 108A11:801, 806; 14:950
 tectonic uplifts 108B29:468–469
 well-logging, 108A1:25–26

Site 667

age estimates, 108B2:15, 18–19
 atmospheric carbon dioxide, 108B29:468
 bathymetry, 108A5:329; 14:949
 biostratigraphy, 108A1:15–20, 22–23; 12:839–842,
 846; 108B2:9–17; 3:33; 4:60, 62–64; 5:71–73,
 75–76, 80, 83; 16:247, 286–287; 28:455–458;
 30:487
 carbonates, 108A12:846; (appendix):1055
 climate change, 108B29:471–481
 composite depth, 108A1:24–25; 12:849
 coring, 108A1:5, 7–13; 12:834–836
 depositional environment, 108A12:838–839
 general circulation models, 108B29:463–471
 geologic setting, 108A12:835
 glacial boundary conditions, 108B29:464–468
 hiatuses, 108B4:63
 inorganic geochemistry, 108A1:23–24; 12:845–846
 lithostratigraphy, 108A12:833–834, 836–839
 magnetic properties, 108A1:15, 23; 12:843; 14:949;
 15:1005–1006; 108B26:429–430, 434
 navigation data, 108A14:949
 organic geochemistry, 108A1:23; 12:846–847, 1055
 oxygen isotopes, 138B13:296–300; 22:508; 145A3:78;
 145B31:473
 paleoclimatology, 138B17:377, 379–381
 physical properties, 108A1:24; 12:847–848, 850–853;
 16:1015–1016; 108B24:407–413
 sea-surface temperature, 108B29:469–471
 seasonal insolation heating, 108B29:464
 sediment mass accumulation rates, 108A12:844–845

sedimentary structures, 108A1:13–15
 sedimentation rates, 108B2:15, 20
 sedimentology, 108A12:836–839
 seismic stratigraphy, 108A12:848; 14:950
 stable isotopes, 108B16:279–282, 287–292;
 138B17:380
 tectonic uplifts, 108B29:468–469
 well-logging, 108A1:25–26

Site 668

atmospheric carbon dioxide, 108B29:468
 bathymetry, 108A5:329; 14:949
 biostratigraphy, 108A1:15–20, 22–23; 13:935;
 108B3:33; 4:36, 39, 62–64; 5:71–73, 75–76, 80,
 83; 28:455–458
 carbonates, 108A(appendix):1055
 climate change, 108B29:471–481
 composite depth, 108A1:24–25
 coring, 108A1:5, 7–13; 13:931–935
 depositional environment, 108A13:935
 general circulation models, 108B29:463–471
 geologic setting, 108A13:932
 glacial boundary conditions, 108B29:464–468
 hiatuses, 108B4:63
 inorganic geochemistry, 108A1:23–24; 13:936
 lithostratigraphy, 108A13:931, 935
 magnetic properties, 108A1:15, 23; 13:935–936;
 14:949; 15:1005–1006; 108B26:429–430, 434
 navigation data, 108A14:949
 organic geochemistry, 108A1:23; 13:937; (appen-
 dix):1055
 physical properties, 108A1:24; 13:937–938; 16:1015–
 1016; 108B24:407–413
 sea-surface temperature, 108B29:469–471
 seasonal insolation heating, 108B29:464
 seismic stratigraphy, 108A13:938; 14:951
 tectonic uplifts, 108B29:468–469
 well-logging, 108A1:25–26

Site 670

drilling, 153A1:5
 magnetic properties, 125B33:561
 serpentinites, 125A1:11
 serpentinization, 153B20:381–388

Site 671

radiolarian-related porosity, 171A_B1:18–19
 sediment water content, 134B30:537–538
 well-logging, 171A_A4:48

Site 672

accretionary wedge, 110B15:230–233
 bathymetry, 110A10:578, 579; 110B5:55, 57–58
 bedding, 110B14:210, 212, 215
 carbonate compensation depth, 110A5:217–219;
 110B5:49, 52
 carbonates, 110B12:184; 18:285; 24:372
 coarse fraction analysis, 110A5:216–217
 core data, 171A_A3:20–21
 décollement, 110A5:257; 10:580, 586; 110B6:90;
 21:321–328
 deformation, 110A5:258–259; 110B7:98
 deposition, 110B5:51–53, 58–59
 diagenetic alteration, 110B7:107–109
 Eocene, 110B2:8–13

- faults, 110A5:210, 253
- fluid flow, 110B23:354
- geochemistry, 156B17:236; 171A_A3:36; 7:94
- heat flow, 110A10:591; 110B23:363
- hemipelagic sedimentation, 110A5:217–219
- hydrogen index vs. oxygen index, 110A5:237
- hydrology, 110B6:91
- inorganic carbon, 110A5:236
- lithology, 110A5:210–214; 110B2:8–15; 5:49, 51; 11:157, 163; 12:180; 26:399; 27:415; 171A_A3:26–27, 30; 7:103
- location, 110A5:208–209, 258; 10:580–581; 110B11:156
- magnetic properties, 110A5:228–232; 156B6:99–101
- methane, 110A5:232–233, 236, 259; 10:590; 110B11:178; 22:335; 27:419
- mineralogy, 110A5:219–220, 225; 110B7:99
- Miocene, 110B2:8–10
- multichannel sonic velocity compared with core, 110A5:251
- Oligocene, 110B2:8–10
- organic carbon, 110A5:236; 110B12:185
- oxygen isotopes, 110B26:401
- physical properties, 110A5:239–245, 252, 256; 7:428; 10:588–589; 110B6:94; 14:212; 18:285; 19:290–293, 295–296, 306–308; 20:310–319; 21:323–325; 23:349, 352, 361, 171A_B1:16–17
- Pleistocene, 110B2:8–10
- pore water chemistry, 110A5:210, 229–234, 238–240, 252, 259; 110B11:158–159, 161, 167, 173, 175, 178; 13:194; 18:285–286; 19:292, 294; 22:335; 26:397, 400–401, 405–408; 27:419
- regional comparisons, 110B5:59
- Rock-Eval pyrolysis data, 110A5:237
- scaly fabrics, 110B14:212
- sea level changes, 110B5:59–60
- seafloor disturbances, 110B14:211
- sediment thickness, 110A5:225, 256; 110B14:215
- sedimentation, 110A5:225; 110B5:60; 27:410–411
- seismic stratigraphy, 110A5:248, 250, 252–253; 171A_B3:19
- shallow bathymetry, 110B5:47–49
- stable isotope ratios, 110B13:192
- stratigraphic section, 110A5:222
- structural data, 110A5:212; 10:585; 110B13:190
- tectonics and hydrology, 156B17:235
- temperature, 110A5:253, 256
- terrigenous sediment, 110B5:49–51, 59, 62–83
- thrust faulting, 110A10:580; 110B6:90; 12:180; 14:211–212
- undeformed section, 110B13:192–193
- veins, 110B15:232; 112B1:7–8; 127/128B(2)75:1180
- volcanic ash, 110A5:214–216; 110B2:8; 7:107–109; 11:164, 174–175; 26:404
- water content, 110A5:241; 110B18:285–286; 19:292
- well-logging, 171A_A3:29; 4:48
- Site 672A
 - data relationship to Site 1044, 171A_A3:20–21
 - structure, 171A_A3:31
- Site 673
 - sediment water content, 134B30:538–539
- vein structures, 112B1:7
- Site 674
 - chloride, 125A8:162
 - sediment water content, 134B30:539
 - vein structures, 112B1:7
- Site 675
 - sediment water content, 134B30:537
 - vein structures, 112B1:7
- Site 676
 - core data, 171A_A6:78–79
 - fluid pressure, 156B17:232–234
 - lithology, 171A_A6:84, 87
 - sediment water content, 134B30:537
 - seismic depth section, 171A_B3:19
 - structural synthesis, 171A_A6:88
 - tectonics and hydrology, 156B17:235
 - vein structures, 112B1:7
- Site 677
 - amino acids, 111B18:215, 217–219, 224–225
 - carbon isotopes, 111B25:299–310, 314–316; 151B26:451
 - carbonates, 111A4:276–279, 281, 285–286; 111B20:238; 22:264–276
 - coring disturbance, 111B20:235–236
 - diffusion coefficients, 111B17:205–207
 - drilling, 111A4:253–257, 292–294; 111B17:196–197, 200, 206; 19:227
 - geolipids, 111B19:227–229
 - glaciation, 154B16:251
 - heat flow, 111A4:255, 265, 292; 111B17:195–196
 - inverse correlation technique, 111B22:269–270, 272
 - lithostratigraphy, 111A4:257–260
 - location, 111A4:254–255; 111B17:196; 18:215; 20:234
 - magnetic properties, 111A4:267, 270–273
 - organic geochemistry, 111A4:292–293; 116B12:143–144
 - organic matter diagenesis, 111B19:228–229
 - oxygen isotopes, 111B25:299–311, 313; 120B(2)45:855; 121B14:285; 15:303; 138B13:296–300; 22:508; 145A3:78; 145B31:473
 - paleoclimatology, 138B17:377, 379–381
 - physical properties, 111A4:274–284, 286–289; 111B20:233–242
 - pore water chemistry, 111A1:20; 4:265–271; 111B16:187–191; 17:198–200, 204–206, 208–210; 18:215–225; 148A3:128
 - Rock-Eval pyrolysis data, 111B18:215–217
 - sedimentology, 111A4:257–258
 - silica-opal content, 111B22:264–267, 272
 - site comparison, 121B15:304; 133B12:171
 - stable isotopes, 111B25:296–310; 138B17:380
 - stratigraphy, 111B20:233
 - summary, 111A4:256; 111B22:264
 - temperature, 111A4:286–288, 290–292
 - water movement, 111B20:236–237
- Site 678
 - amino acids, 111B18:215, 217–219, 224–225
 - biostratigraphy, 111A4:263–264
 - bulk density, 111A4:284, 286; 111B20:236
 - calcium and magnesium vs. depth, 148A3:128

carbon isotopes, 113B46:814; 49:878–879, 904;
 56:986–987
 carbonates, 111A4:285–286; 111B7:104; 20:234, 236
 clay mineralogy, 113A5:99; 113B5:57
 diffusion coefficients, 111B17:205–207
 drilling, 111A4:253–257; 111B17:196–197; 19:227;
 20:235–236
 geolipids, 111B19:227–229
 heat flow, 111A4:265, 292; 111B17:195–196, 343
 lithostratigraphy, 111A4:258–259
 location, 111A4:254–255, 287; 111B17:196–197;
 18:215; 20:234
 mass accumulation rates, 113B47:841
 organic carbon, 111A4:292–293
 organic matter diagenesis, 111B19:228–229
 oxygen isotopes, 113B46:814; 49:878–879; 51:904
 physical properties, 111A4:279, 281–282, 284–288;
 111B17:214; 20:233–242
 pore water chemistry, 111A1:20; 4:265–267, 269–271;
 111B17:197, 199–201, 204, 208–210; 18:215–
 225
 resistivity, 111B20:234–235
 Rock-Eval pyrolysis data, 111B18:215–217
 sedimentology, 111A4:258–259
 stratigraphy, 111B20:233
 summary, 111A4:256; 113A1:9–11; 5:132–134
 temperature, 111A4:286–288, 290–292
 water movement, 111B20:236–237

Site 679

basalt alteration, 112B7:105
 bathymetry, 112A3:45; 11:161
 biostratigraphy, 112A2:34–36; 11:172–178;
 112B10:157–160; 12:182; 14:217–218; 15:240
 bottom water environment, 112B22:371–372
 carbonates, 112A11:166–168; 112B7:98; 8:130
 carboxylic acid, 112B39:599
 carotenoids, 112B37:567–570
 chloride, 112A1:21; 125A8:162; 125B21:382
 clastic sediments, 112A11:165–167
 clay mineralogy, 112B5:62, 64, 75–76
 consolidation properties, 112B43:640–641, 644, 646–
 649
 convergent margin tectonics, 112A1:9, 11
 coring, 112A1:5, 7; 2:41–42; 11:160–162, 164, 191
 deformational structures, 112A11:171–172
 dense phosphate, 112A11:192; 112B8:119–129
 depocenter migration, 112A5:84, 86
 depositional environment, 112A11:170–171
 diagenesis, 112A11:168–169; 12:254; 15:449;
 112B25:423–432
 explosive volcanism, 112B28:469
 extensional faulting, 112A2:27
 fluid flow, 112B3:34–35
 friable phosphate, 112B8:116
 geochemistry, 112A12:265–266; 112B28:469–477;
 31:507–513
 geologic controls, 112B41:624–631
 geomicrobiology, 112A2:39–40; 13:320
 grain size in terrigenous influx, 112B22:374–376
 gravel beds, 112A13:311
 heat flow, 112A2:43; 11:190–191; 112B44:653–660

hydraulic conductivity, 112B42:633–637
 hydrocarbon gases, 112A11:178–179; 12:264;
 112B33:533–537
 hydrocarbons, 112A2:38; 112B39:597–604
 hypersaline fluids, 112A1:18–20; 112B33:533–537
 inorganic geochemistry, 112A2:40–41
 laminations, 112B4:46–50
 lithostratigraphy, 112A1:23; 11:162–165, 192–197;
 112B4:50–51; 7:98; 9:136; 22:370–371
 magmatic evolution, 112B28:476–477
 magnetic properties, 112A2:37; 3:45, 56; 11:184–187;
 112B47:677–678
 magnetostratigraphy, 112A11:189, 190
 mass accumulation rates, 112B39:595
 mineralogy, 112B7:100
 navigation, 112A3:45–47, 50–55; 5:79
 oceanography, 112A1:11–13
 organic geochemistry, 112A11:178–184; 112B9:135–
 145, 147–148
 organic pigments, 112A2:38
 organic-rich sediments, 112B43:640, 644, 646
 palynology, 112B17:297–316
 petrography, 112B6:87–89, 91
 phosphorites, 112B8:111–130
 physical properties, 112A2:41–42; 11:187–188, 190–
 191, 193–194, 197
 pore pressure, 112B45:663–667
 pore water chemistry, 112A11:187; 12:267; 13:311;
 112B8:127–128; 25:415, 417; 29:486
 reflection profiling, 112A2:25; 3:45–47, 56–57; 4:73–
 76; 7:109–124
 sedimentation, 112A11:176
 sediments, 112A2:31–34; 5:77–85; 11:169–170;
 112B2:18; 4:43–51
 seismic stratigraphy, 112A11:189–190, 195; 12:273
 site summary, 112A1:7
 sorbed volatiles, 112B33:527–538
 stable isotopes, 112B7:102
 stratigraphic history, 112A1:11–12
 structure, 112A1:8; 112B1:13; 2:22
 subsidence history, 112A5:88–89
 sulfate reduction, 112A1:16
 surface water productivity, 112B22:376–382
 synthetic seismograms, 112A11:202
 tectonic evolution, 112A1:11, 23
 triaxial strength, 112B43:641–649
 upwelling, 112A1:13; 13:325; 112B2:25
 veins, 112B1:3–12, 15, 16; 2:20; 3:33–34, 38; 6:90
 volcanic ash, 112B28:465–478
 well-logging, 112A11:191–192, 198–201, 204–209;
 112B29:481–489

Site 680

bacterial biomass, 112B40:607–618
 barium geochemistry and upwelling sediments,
 112B30:498–500
 bathymetry, 112A3:45; 12:251
 bedding orientation, 112B2:19
 biostratigraphy, 112A2:34–36; 12:260–264;
 112B10:157–161; 12:182; 14:218; 15:240;
 16:268
 bottom water environment, 112B22:372, 374

- bromine geochemistry and upwelling sediments, 112B30:500–502
- carbonates, 112A12:258–259, 261–262; 15:449; 112B7:102; 8:131
- chert, 112A12:260
- clastic sediments, 112A12:255–257
- clay mineralogy, 112B5:62–63, 65, 75, 78–79
- consolidation properties, 112B43:640–641, 644, 646–649
- convergent margin tectonics, 112A1:9, 11
- deformation structures, 112A12:257–258
- depocenters, 112A1:13
- diagenesis, 112A12:254–257; 15:449; 112B25:423–432
- diatom ooze, 112B4:57
- dolomite, 112A12:259, 263; 112B41:628–629; 201B13:6
- drilling, 112A1:5, 7; 12:250–252
- erosion, 112A13:310
- explosive volcanism, 112B28:469
- fluid flow, 112B3:34–35, 37
- geochemistry, 112A12:267; 112B28:469–477; 31:507–513
- geologic controls, 112B41:624–631
- geomicrobiology, 112A2:39–40; 12:265; 13:320
- grain size, 112B21:363
- gravel beds, 112A13:311
- heat flow, 112A2:43; 12:272–273; 112B44:653–660
- hydrocarbon gases, 112A12:264–265; 112B33:533–537
- hydrocarbons, 112A2:38
- hydrogen index, 112B26:448
- hydrogen isotopes, 112B25:431
- hypersaline fluids, 112A1:18–20; 12:266; 16:563; 18:706; 112B33:533–537
- in situ water samples, 112A13:319
- inorganic geochemistry, 112A2:40–41; 12:266–267; 16:550, 553; 112B48:683–685
- iron in sulfate reduction, 112B26:441–448
- laminations, 112B4:46–50; 9:141, 143–144
- lithofacies association, 112B4:50–51, 53
- lithostratigraphy, 112A1:23; 12:252–254, 257; 112B7:98; 9:136; 21:355–358; 22:370–371
- magmatic evolution, 112B28:476–477
- magnetic properties, 112A2:37; 3:45, 56; 12:267–268, 271; 112B47:677, 679; 201A9:43
- navigation, 112A3:45–47, 50–55
- oceanography, 112A1:14
- organic geochemistry, 112A12:264–266; 112B9:135–145, 148–151; 21:363–364; 26:441–448; 48:683–685
- organic pigments, 112A2:38
- organic-rich sediments, 112B43:640, 644, 646
- oxygen index, 112B26:448
- oxygen isotopes, 112B21:364–365; 25:431
- palynology, 112B17:297–316
- petrography, 112B6:87–89, 91
- physical properties, 112A2:41–43; 12:268–271, 274–278; 112B8:119–128
- pore pressure, 112B45:663–667
- pore water chemistry, 112A12:255–259, 267, 269; 16:561–563, 565; 112B8:111–130; 25:415, 417
- sediments, 112A2:31–34; 112B4:43–51, 58; 30:491–502
- sedimentation, 112A12:263; 13:319; 112B21:359–360
- seismic stratigraphy, 112A2:25; 3:45–47, 56–60; 7:109–124; 12:271–272, 277–278; 115A9:680
- shell beds, 112A12:254–255; 112B19:329; 20:335–350
- silica, 112A12:255, 267
- site summary, 112A1:7
- sorbed volatiles, 112B33:527–538
- stratigraphic history, 112A1:11–12
- strontium isotopes, 112B25:431
- structure, 112A1:8, 22; 112B1:13
- sulfate reduction, 112A1:16; 16:551–552; 112B26:441–448
- sulfur geochemistry, 112B27:455–463
- surface water productivity, 112B22:376–382
- tectonic evolution, 112A1:11, 23
- terrigenous influx, 112B22:374–376
- total organic and inorganic carbon, 201B8:3–4
- triaxial strength, 112B43:641–649
- upwelling, 112A1:15, 16, 18; 11:197; 17:630; 112B2:25
- veins, 112A12:260; 112B1:3–12, 16; 2:20; 3:33–34, 39, 41; 6:90
- volcanic ash, 112B28:465–478
- Site 681
- authigenic carbonates, 112A13:311–312
- bacterial biomass, 112B40:607–618
- bathymetry, 112A3:45; 13:307
- bedding orientation, 112B2:19
- biaxial strength, 112B43:641–649
- biostratigraphy, 112A2:34–36; 13:314–317; 112B10:157–159, 161; 12:182; 14:218–219; 15:240; 16:266–268, 271; 17:297–316; 23:394–397, 403, 405
- brine incursion, 161B34:436
- carbohydrates, 112B36:558–560, 562, 564–565
- carbonates, 112A15:449
- clay mineralogy, 112B5:63, 66, 75, 79
- consolidation properties, 112B43:640–641, 644, 646–649
- convergent margin tectonics, 112A1:9, 11
- coring, 112A1:5, 7; 2:37; 12:250; 13:306–308
- dating, 112B23:393–394
- dense phosphate, 112B8:119–127
- depocenters, 112A1:13
- diagenesis, 112A13:310–312; 15:449; 112B25:423–432
- dolomite, 112A13:313; 201B13:6–8
- erosion, 112A13:310, 312–313
- explosive volcanism, 112B28:469
- fluid flow, 112B3:34–35
- friable phosphate, 112B8:114–115
- geochemistry, 112B28:469–477; 31:507–513
- geologic controls, 112B41:624–631
- geomicrobiology, 112A2:39–40; 13:319–320
- grain size and terrigenous influx, 112B22:374–376
- heat flow, 112A2:43; 13:325–327
- hydraulic conductivity, 112B42:633–637
- hydrocarbon gases, 112A1:21; 13:317–318; 112B33:533–537

- hydrocarbons, 112A2:38; 112B36:558–564; 37:567–570; 39:597–604
 hydrogen isotopes, 112B25:431
 hypersaline fluids, 112A1:18–20; 16:563; 18:706; 112B33:533–537
 inorganic geochemistry, 112A2:40–41; 13:319–320; 16:550, 553; 18:726
 laminations, 112B4:46–50
 lithofacies association, 112B4:50–51
 lithostratigraphy, 112A1:23; 13:307–309; 112B7:98; 9:136; 22:370–371; 36:556–557
 magmatic evolution, 112B28:476–477
 magnetic properties, 112A2:37; 3:45, 56; 13:314, 320, 323–324; 112B47:677, 680; 201A10:46
 mineralogy, 112B7:100
 navigation, 112A3:45–47, 50–55
 oceanography, 112A1:14
 organic geochemistry, 112A13:317–319; 112B9:135–145, 147–148
 organic pigments, 112A2:38
 organic-rich sediments, 112B43:640, 644, 646
 oxygen isotopes, 112B25:431
 paleoceanography, 112B15:243
 petrography, 112B6:87–89
 phosphatic sediments, 112B8:115–119
 physical properties, 112A2:41–42; 13:320–326, 328–329
 pore pressure, 112B45:663–667
 pore water chemistry, 112A1:21; 13:311–312, 321; 16:552, 561–563, 565; 112B8:111–128; 25:415, 417
 pyrolysis, 112B38:575–586
 sea level fluctuations, 112A13:312–313
 sedimentation rates, 112A13:319
 sediments, 112A2:31–34; 13:313–314; 112B4:43–51; 23:393
 seismic stratigraphy, 112A2:25; 3:45–47, 56–57, 61–62; 7:109–124; 12:277; 13:323–328
 shell horizons, 112B20:335–350
 site summary, 112A1:7
 sorbed volatiles, 112B33:527–538
 stable isotopes, 112B7:102
 stratigraphic history, 112A1:11–12
 strontium isotopes, 112B25:429–431
 structure, 112A1:8
 sulfate, 112A1:21; 112B2:22
 sulfate reduction, 112A1:16; 16:551–552
 surface water productivity, 112B22:376–382
 tectonic evolution, 112A1:11, 23
 temperature, 112A2:43; 13:328–329
 total organic and inorganic carbon, 201B8:3–4
 upwelling, 112A1:15–16; 18:731; 112B2:25; 22:374
 veins, 112B1:3–11; 2:20; 3:33–34
 volcanic ash, 112B28:465–478
- Site 682
 alkenones, 112A2:38
 bathymetry, 112A3:45; 14:364
 bedding orientation, 112B2:19
 biostratigraphy, 112A2:34–36; 14:376–383; 112B10:157–159, 161–163; 12:182–183, 195–197; 14:220–221; 16:274–275, 286–288
 brecciation, 112B2:21, 31
 carbonates, 112A14:368, 371–373; 112B7:98–99, 101, 104; 25:436–437
 chloride, 112A1:17–18, 20; 112B21:382; 125A8:162
 clay mineralogy, 112B5:63, 67, 80
 consolidated mudstone, 112B7:99
 convergent margin tectonics, 112A1:9, 11
 coring, 112A1:5, 7; 14:364–366, 369
 deformational structures, 112A14:374–376
 diagenesis, 112A1:17; 14:371; 15:449; 112B25:432–437
 Eocene unconformities, 112A15:475–476
 explosive volcanism, 112B28:469
 fissility, 112B2:19, 25
 fluid flow, 112B3:34–35
 folding, 112B2:20
 fracturing, 112B2:21
 gas hydrates, 112A1:17; 14:385–386; 112B32:523–525
 geochemistry, 112B28:469–477; 30:498–502; 31:507–513; 32:519–520
 geologic controls, 112B41:624–631
 geothermal gradient, 112A17:625
 glauconite, 112A14:371
 grain size and terrigenous influx, 112B22:374–376
 heat flow, 112A2:43; 14:396
 hydrocarbon gases, 112A11:181; 14:383–386
 hydrogen isotopes, 112B25:431
 hypersaline fluids, 112B33:533–537
 in situ samples, 112A14:390–391
 inorganic geochemistry, 112A2:40–41; 14:386–391; 17:628; 112B48:683, 686–687
 laminations, 112B4:46–50
 lithofacies association, 112B4:50–51
 lithostratigraphy, 112A14:365–371; 112B7:98
 magmatic evolution, 112B28:476–477
 magnetic properties, 112A2:37; 3:45, 56; 14:391
 mineralogy, 112B7:100, 103
 navigation, 112A3:45–46, 48, 50–55; 5:79
 organic geochemistry, 112A14:383–386; 112B48:683, 686–687
 organic pigments, 112A2:38
 oxygen isotopes, 112B25:431
 paleoceanography, 112B15:243, 245
 petrography, 112B6:87–89
 physical properties, 112A2:41; 14:391–395; 15:468
 planktonic foraminifers, 112B15:240, 244–245
 pore pressure, 112B45:663–667
 pore water chemistry, 112A14:371, 373–374, 389–390; 17:626; 112B25:417; 32:520–523
 redox and carbon flux data, 119B21:402
 scaly foliation, 112B2:19–20, 28
 sedimentation rates, 112A14:379
 sediments, 112A2:31–34; 5:86; 112B2:18; 4:43–51; 30:491–502
 seismic stratigraphy, 112A2:25; 3:45–47, 56–57, 63; 4:73; 7:109–124; 14:395–397; 112B32:517–519
 site summary, 112A1:7
 slumping, 112B2:25
 sorbed volatiles, 112B33:527–538
 stable isotopes, 112B7:102–103
 stratal disruption, 112B2:20

- stratigraphic history, 112A1:11–12
 structure, 112A1:8; 112B2:23
 sulfate reduction, 112A1:16
 tectonic evolution, 112A1:11, 23
 temperature, 112A14:397–398
 thermal conductivity, 112A2:42; 14:394–395
 upwelling centers, 112A1:13
 veins, 112B1:3–12; 3:33–34
 volcanic ash, 112B28:465–478
- Site 683
- alkenones, 112A2:38
 apatite, 112A17:603
 bathymetry, 112A3:45; 8:125–130; 15:440
 biostratigraphy, 112A2:34–36; 15:445, 452–458;
 112B10:157–159, 163–164; 12:183–185, 198–
 201; 14:221–224; 15:240–241, 245–247; 16:273–
 274, 284–286; 46:673
 carbonates, 112A15:444, 447–449; 112B7:99, 104;
 25:436–437
 chloride, 112A1:17–18, 20; 125A8:162; 125B21:382;
 44:660
 clay mineralogy, 112B5:68, 74, 81
 convergent margin tectonics, 112A1:7–9
 coring, 112A1:5, 7; 15:438–439, 442
 deformational structures, 112A15:450–452
 depositional environment, 112A15:449–450
 diagenesis, 112A1:17; 15:447–449; 112B25:432–437
 diatomaceous mudstone, 112A15:446–447
 dolomicrite, 112A15:452
 explosive volcanism, 112B28:469
 fissility, 112A20:888; 112B2:19, 25
 fluid flow, 112B3:34–35
 fracturing, 112B2:21
 gas hydrates, 112A1:17; 3:46; 112B32:523–525
 geochemistry, 112B28:469–477; 31:507–513; 32:519–
 520
 geologic controls, 112B41:624–631
 geothermal gradient, 112A17:625
 glauconite, 112A15:449
 heat flow, 112A2:43; 15:473–475; 112B44:653–660
 hydrocarbon gases, 112A15:458–461; 17:622
 hydrogen isotopes, 112B25:431
 inorganic geochemistry, 112A2:40–41; 15:461–464;
 17:628
 laminations, 112A15:448; 112B4:46–50
 limestone breccia, 112A15:448
 lithofacies association, 112B4:50–51
 lithostratigraphy, 112A15:439–447; 112B7:98
 magmatic evolution, 112B28:476–477
 magnetic properties, 112A2:37; 3:45, 56; 15:464–465,
 468
 navigation, 112A3:45–46, 49–55; 5:80
 organic geochemistry, 112A15:458–459
 organic pigments, 112A2:38
 oxygen isotopes, 112B25:431
 petrography, 112B6:87–89
 phosphate diagenesis, 112A15:447
 physical properties, 112A2:41–42; 15:465–469, 471–
 472, 476
 pore pressure, 112B45:663–667
- pore water chemistry, 112A15:449, 464, 466–467;
 17:626; 112B25:415, 417; 32:520–523
 pumice clasts, 112A15:446
 pyrolysis, 112B38:573–586, 588–589
 redox and carbon flux data, 119B21:402
 sedimentation rates, 112A1:16
 sediments, 112A2:31–34; 5:84–88; 15:474; 112B2:18;
 4:43–51
 seismic stratigraphy, 112A2:25; 3:45–47, 56–57, 64–
 65; 4:71–73; 7:109–124; 9:131–136; 15:469–473,
 475; 112B32:517–519
 silicates, 112A15:449
 site summary, 112A1:7
 slumping, 112B2:25
 sonar imagery, 112A8:125–130
 stable isotopes, 112B7:102
 stratigraphic history, 112A1:9, 12
 structure, 112A1:10; 112B2:24
 subsidence history, 112A5:89
 sulfate reduction, 112A1:16
 tectonic evolution, 112A1:9, 23
 upwelling, 112A1:13; 17:630
 veins, 112B1:3–11; 3:33–34
 volcanic ash, 112B28:465–478
- Site 684
- barite, 112A16:536–537, 539
 bathymetry, 112A3:45; 16:527
 bedding orientation, 112B2:19
 biochemistry, 112A16:545–549
 biostratigraphy, 112A2:34–36; 16:539–544;
 112B10:157–159, 164; 12:185–187; 14:224, 229;
 15:241, 245, 249; 16:269–270, 272; 24:407–408;
 46:673–674
 carbonates, 112A16:532–537; 112B1:5, 14; 7:98, 101
 carboxylic acid, 112B39:599
 carotenoids, 112B37:567–570
 clay mineralogy, 112B5:69, 74, 82
 convergent margin tectonics, 112A1:7–9
 coring, 112A1:5, 7; 12:250; 16:526–529
 dense phosphate, 112B8:119–127
 depositional environment, 112A16:537–539
 diagenesis, 112A1:17; 16:531–536; 112B25:423–432
 dolomite, 112A16:535, 539; 201B13:5–6
 explosive volcanism, 112B28:469
 fluid flow, 112B3:34–35
 friable phosphate, 112B8:114–115
 geochemistry, 112A16:547, 557, 559; 112B28:469–
 477; 31:507–513
 geologic controls, 112B41:624–631
 glauconite, 112A16:532
 heat flow, 112A2:43; 16:561; 112B44:653–660
 helium isotopes, 127/128B(1)44:748
 hydrocarbon gases, 112A16:544; 112B33:533–537
 hydrocarbons, 112A2:38; 16:547, 555–556;
 112B39:598–604
 hydrogen isotopes, 112B25:431
 hypersaline fluids, 112A1:18–20; 16:563; 18:706;
 112B33:533–537
 inorganic geochemistry, 112A2:40–41; 16:549–554,
 560; 18:726
 laminations, 112B4:46–50

- lithofacies association, 112B4:50–51
 lithostratigraphy, 112A16:528–531; 112B7:98
 magmatic evolution, 112B28:476–477
 magnetic properties, 112A2:37; 3:45, 56; 16:554, 566;
 112B47:677, 680; 201A8:44
 navigation, 112A3:45–46, 49–55; 5:80
 oceanography, 112A1:11–13
 organic geochemistry, 112A16:545–549; 112B8:127–
 128; 39:591–604
 organic pigments, 112A2:38
 oxygen isotopes, 112B25:431
 palynology, 112B17:297–316
 petrography, 112B6:87–89
 phosphatic sediments, 112A16:532–533, 536, 538;
 112B8:115–119
 phosphorite, 112B8:111–130
 physical properties, 112A2:41–42; 16:555–559, 566–
 571; 201A8:47–48
 pore pressure, 112B45:663–667
 pore water chemistry, 112A1:21; 16:536–537, 561–
 563, 565; 112B25:415, 417
 redox and carbon flux data, 119B21:402
 sedimentation rates, 112A1:16
 sediments, 112A2:31–34; 5:86–88; 112B4:43–51
 seismic stratigraphy, 112A2:25; 3:45–47, 56–57, 66;
 4:71–73; 7:109–124; 16:559–561, 571
 shell beds, 112B19:329; 20:335–350
 site summary, 112A1:7
 sorbed volatiles, 112B33:527–538
 stable isotopes, 112B7:102
 stratigraphic history, 112A1:9, 12
 strontium isotopes, 112B25:429–431
 structure, 112A1:10
 sulfate reduction, 112A1:16
 tectonic evolution, 112A1:9, 23
 total organic and inorganic carbon, 201B8:3–4
 upwelling, 112A1:13, 16
 veins, 112B1:3–11; 3:33–34
 volcanic ash, 112B28:465–478
- Site 685
- accretionary complexes, 112B2:21–22
 alkenones, 112A2:38
 ammonia, 112A20:909
 authigenic marine carbonate cement, 112B7:101
 barium geochemistry and upwelling sediments,
 112B30:498–500
 basalt alteration, 112B7:105
 bathymetry, 112A3:45; 8:128–130; 15:440; 17:599
 bedding orientation, 112B2:19
 biostratigraphy, 112A2:34–36; 17:612–621;
 112B14:224–225, 230; 16:274, 289
 brecciation, 112B2:31
 bromine geochemistry and upwelling sediments,
 112B30:500–502
 carbonates, 112A17:602–604, 610; 112B1:5, 14; 7:99–
 100; 25:436–437
 chloride, 112A1:17–18, 20; 125A8:162; 125B21:382
 clay mineralogy, 112B5:70, 74, 82
 compressional deformation, 112A1:21
 convergent margin tectonics, 112A1:7–9
 coring, 112A1:5, 7; 17:597–598, 600, 631–633, 641
 deformational structures, 112A17:608–612, 614–619;
 112B2:26
 dewatering veins, 112B1:10
 diagenesis, 112A1:17; 17:603–606; 112B25:432–437
 diagenetic dolomite, 201B13:8–9
 dolomicrite, 112A17:604
 dolomite, 112A17:603, 607
 explosive volcanism, 112B28:469
 extensional faulting, 112B2:27
 fault orientation, 112A17:620
 fissility, 112B2:19
 fluid flow, 112B3:34–35
 folding, 112B2:20
 fracturing, 112B2:21
 gas hydrate bottom-simulating reflections,
 112B44:657
 gas hydrates, 112A1:17; 17:624–626; 112B32:523–525
 geochemistry, 112B28:469–477; 31:507–513; 32:519–
 520
 geologic controls, 112B41:624–631
 glauconite, 112A17:603
 heat flow, 112A2:43; 17:637–638, 640–641;
 112B44:653–660
 hydrocarbon gases, 112A17:622–625
 inorganic geochemistry, 112A2:40–41; 17:625–629;
 112B48:683, 688–689
 iron monosulfides, 112A20:884
 iron sulfides, 112A17:605–606
 laminations, 112B4:46–50
 lithofacies association, 112B4:50–51
 lithologic units, 112A17:598–603
 lithostratigraphy, 112A17:606–608
 magmatic evolution, 112B28:476–477
 magnetic properties, 112A2:37; 3:45, 56; 17:630–634
 mud-filled veins, 112B1:5
 navigation, 112A3:45–46, 49–55
 organic geochemistry, 112A17:621–625; 112B48:683,
 688–689
 organic pigments, 112A2:38
 petrography impregnation technique, 112B6:87–89
 phosphate, 112A17:603
 physical properties, 112A2:41; 17:633–640
 planar fabric, 112A2:29; 112B2:29
 planktonic foraminifers, 112B15:241, 245, 250–251
 pore pressure, 112B45:663–667
 pore water chemistry, 112A17:628–631; 112B25:417;
 32:520–523
 radiolarians, 112B12:187, 202; 117B4:98
 redox and carbon flux data, 119B21:402
 scaly foliation, 112B2:19–20, 28
 sedimentation rates from sulfate reduction, 112A1:16
 sediments, 112A2:31–34; 17:608–609; 112B2:21–24;
 4:43–51; 30:491–502
 seismic stratigraphy, 112A2:25; 3:45–47, 56–57;
 7:109–124; 9:131–136; 17:636–642;
 112B32:517–519
 silicoflagellates, 112B10:157–159, 164–165
 site summary, 112A1:7
 slump folds, 112B2:25
 sonar imagery, 112A8:128–130
 sponge spicules, 112A17:603; 112B11:175–178

- stable isotopes, 112B7:102
- stratal disruption, 112B2:20, 28
- stratigraphic history, 112A1:9, 12
- structural transect, 112A1:10
- sulfate reduction, 112A1:16
- summary logs, 112A17:649–654
- synoptic structural logs, 112B2:24
- synthetic seismograms, 112A17:646
- tectonics, 112A1:9, 23; 17:621
- temperature, 112A10:147, 153; 17:638–639, 643
- thermal conductivity, 112A2:42; 17:635, 639–641, 644
- total organic and inorganic carbon, 201B8:4–5
- upwelling centers, 112A1:13
- vein classification and composition, 112B3:33–34
- veins, 112B1:3–11
- velocity, 112A10:141–146
- vermiculite, 112B5:74
- volcanic ash, 112B28:465–478
- well-logging, 112A17:641, 643–645
- Site 686
 - alkenones, 112A2:38
 - authigenic carbonates, 112A18:712
 - bathymetry, 112A3:45
 - bedding orientation, 112B2:19
 - biostratigraphy, 112A2:34–36; 18:718–723; 112B10:157–159, 165; 12:187; 14:225, 231; 15:241–242, 245, 248, 253; 16:270, 273; 17:297–316, 318; 18:323–327; 23:394–397, 403, 405; 46:674
 - carbonates, 112A18:711, 723–724; 112B7:102; 8:131
 - chloride, 112A1:21
 - clay mineralogy, 112B5:71, 74, 76, 83–84
 - coring, 112A1:5, 7; 12:250; 18:706–708; 112B8:127–128
 - deformational structures, 112A18:716–719
 - density, 112B8:119–127
 - depositional environment, 112A18:713–714; 112B21:360–361
 - diagenesis, 112A18:706, 711–713; 112B25:423–432
 - dolomite, 112A18:720; 112B41:628–629
 - explosive volcanism, 112B28:469
 - fluid flow, 112B3:34–35
 - friable phosphate, 112B8:117
 - geochemistry, 112B28:469–477; 31:507–513
 - geologic controls, 112B41:624–631
 - grain size, 112B21:365–366
 - heat flow, 112A2:43; 12:273; 18:732–733; 112B44:653–660
 - hydrocarbon gases, 112A18:724, 727–728; 112B33:533–537
 - hypersaline fluids, 112A1:18–20; 18:706, 727–728; 112B33:533–537
 - inorganic geochemistry, 112A2:40–41; 18:725–728, 732–733; 19:823
 - laminated-burrowed cycles, 112B8:128–129, 133–134
 - laminations, 112A1:14; 112B4:46–50
 - lipids, 112B34:539–544; 35:549–551
 - lithofacies association, 112B4:50–51
 - lithostratigraphy, 112A18:708–711; 112B9:136; 21:355–356, 358–359
 - magmatic evolution, 112B28:476–477
 - magnetic properties, 112A2:37; 3:45, 56; 18:728, 736; 112B47:677, 680
 - navigation, 112A3:45–46, 49–55
 - oceanography, 112A1:11–14
 - organic geochemistry, 112A18:723–725, 728–729; 112B9:135–145, 147–148; 21:366–367
 - organic pigments, 112A2:38
 - oxygen isotopes, 112B21:367
 - oxygen-minimum zones, 112A18:706
 - petrography, 112B6:87–89
 - phosphorite, 112B8:111–130
 - physical properties, 112A2:41; 18:725, 728–731, 738–742
 - pore pressure, 112B45:663–667
 - pore water chemistry, 112A18:711–713, 731, 733–735; 112B25:415; 32:517
 - pyrolysis, 112B38:575–586
 - redox and carbon flux data, 119B21:402
 - sea-surface temperatures, 112B35:547–552
 - sediment classification, 112A2:31–34
 - sedimentary cycles, 112A18:715–716, 723
 - sedimentary structures, 112B4:43–51; 23:393
 - sedimentation rates from sulfate reduction, 112A1:16
 - sedimentological logs, 112B4:49
 - seismic stratigraphy, 112A2:25; 3:45–47, 56–57, 67; 7:109–124; 18:731–744
 - shell beds, 112A18:721; 112B19:329; 20:335–350
 - Site 687 correlation, 112A18:715–716
 - site summary, 112A1:7
 - smectite, 112B5:75
 - sorbed volatiles, 112B33:527–538
 - stratigraphic hiatuses, 112A1:12
 - strontium isotopes, 112B25:431
 - sulfate reduction, 112A1:16
 - sulfur geochemistry, 112B27:455–463
 - tectonic evolution, 112A1:23
 - temperature, 112A2:43; 10:147, 154; 18:745
 - thermal conductivity, 112A2:42; 18:730, 742–743
 - upwelling, 112A1:13, 15–16; 112B23:393–394
 - varve-type sediments, 112B4:51, 56
 - veins, 112B1:3–11; 2:20; 3:33–34, 40
 - velocity, 112A10:141, 147
 - volcanic ash, 112A18:735; 112B28:465–478
- Site 687
 - alkenones, 112A2:38
 - bathymetry, 112A3:45
 - bedding orientation, 112B2:19
 - biostratigraphy, 112A2:34–36; 19:814–820; 112B10:157–159, 165; 12:187; 14:225, 234; 15:242–243, 248, 254; 16:268–269; 17:297–318; 46:674–675
 - carbonates, 112A19:809; 112B7:98, 101
 - cemented limestone, 112A19:815
 - clay mineralogy, 112B5:72, 74, 84
 - coring, 112A19:804, 807
 - deformational structures, 112A19:812–813
 - dense phosphate, 112B8:119–127
 - depositional environment, 112A19:810–811
 - diagenesis, 112A1:17; 18:706; 19:804, 808–809; 112B25:423–432

- dolomicrite, 112A19:814–815
 explosive volcanism, 112B28:469
 fluid flow, 112B3:34–35
 geochemistry, 112B28:469–477; 31:507–513
 graded beds, 112A19:810–811
 heat flow, 112A2:43; 12:273; 19:830–832;
 112B44:653–660
 hydrocarbon gases, 112A19:820–821; 112B33:533–537
 hydrogen isotopes, 112B25:431
 hypersaline fluids, 112A1:18–20; 19:804; 112B7:106;
 33:533–537
 inorganic geochemistry, 112A2:40–41; 19:823–824
 laminations, 112B4:46–50
 lithofacies association, 112B4:50–51
 lithostratigraphy, 112A18:715–716; 19:805–808
 magmatic evolution, 112B28:476–477
 magnetic properties, 112A2:37; 3:45, 56; 19:824–828;
 112B47:677, 680
 mineralogy, 112B7:103
 navigation, 112A3:45–46, 49–55
 objectives, 112A1:5, 7; 12:250; 19:804
 oceanography, 112A1:11–13
 organic geochemistry, 112A19:820–823
 organic pigments, 112A2:38
 oxygen isotopes, 112B25:431
 oxygen-minimum zone, 112A19:804
 petrography, 112B6:87–89
 phosphate, 112A19:808–809; 112B8:127–128
 phosphatic sediments, 112B8:115–119
 phosphorite, 112B8:111–130
 physical properties, 112A2:41–42; 19:827–834
 pore pressure, 112B45:663–667
 pore water chemistry, 112A1:21; 19:826–828;
 112B25:415, 417
 redox and carbon flux data, 119B21:402
 sedimentation rates, 112A1:16
 sediments, 112A2:31–34; 112B4:43–51
 seismic stratigraphy, 112A2:25; 3:45–47, 56–57, 68–
 69; 7:109–124; 19:829–832, 835–836
 shell horizons, 112B20:335–350
 site summary, 112A1:7
 sorbed volatiles, 112B33:527–538
 stable isotopes, 112B7:102–103
 stratigraphic hiatuses, 112A1:12
 strontium isotopes, 112B25:429–431
 sulfate reduction, 112A1:16
 tectonic evolution, 112A1:23
 temperature, 112A2:43; 19:836–837
 upwelling, 112A1:13, 15–16; 19:804
 veins, 112B1:3–11; 3:33–34, 41
 volcanic ash, 112A18:735; 112B28:465–478
- Site 688
 alkenones, 112A2:38
 barium geochemistry and upwelling sediments,
 112B30:498–500
 basalt alteration, 112B7:105
 bathymetry, 112A3:45; 8:125–128; 20:875
 bedding orientation, 112B2:19
 biostratigraphy, 112A2:34–36; 20:891–903;
 112B10:157–159, 165–166; 11:175–178; 12:187–
 188, 207; 14:225–228, 236; 15:243, 248, 255–
 256; 16:275–276, 290–291; 46:675
 brecciation, 112B2:21
 bromine geochemistry and upwelling sediments,
 112B30:500–502
 carbonates, 112A20:890; 112B7:98–99; 25:436–437
 chloride, 112A1:17–18, 20; 112B44:660; 125A8:162;
 125B21:382
 clay mineralogy, 112B5:63, 73–74, 85–86
 convergent margin tectonics, 112A1:9, 11
 coring, 112A20:875–876, 921
 deformational structures, 112A20:884–891; 112B2:30;
 4:53
 depositional environment, 112A20:886–888
 diagenesis, 112A20:881–885; 112B25:432–437
 exotic carbonate cements, 112B7:104
 explosive volcanism, 112B28:469
 fault orientation, 112A20:891
 fissility, 112B2:25
 fluid flow, 112B3:34–35
 folding, 112B2:20
 fracturing, 112B2:21
 gas hydrate bottom-simulating reflections,
 112B44:657
 gas hydrates, 112A1:17, 20; 20:905–906, 913–914;
 112B32:523–525
 geochemistry, 112B28:469–477; 31:507–513; 32:519–
 520
 geologic controls, 112B41:624–631
 heat flow, 112A2:43; 20:927–928; 112B44:653–660
 hydrocarbon gases, 112A20:904–906
 hydrogen index, 112B26:448
 hydrogen isotopes, 112B25:431
 inorganic geochemistry, 112A2:40–41; 20:907–914;
 112B48:683, 690–691
 iron in sulfate reduction, 112B26:441–448
 iron sulfides, 112A20:884–885
 laminations, 112A1:14; 112B4:46–50
 lithofacies association, 112B4:50–51
 lithostratigraphy, 112A20:876–881; 112B7:98
 magmatic evolution, 112B28:476–477
 magnetic properties, 112A2:37; 3:45, 56; 20:914–922
 mineralogy, 112B7:100
 navigation, 112A3:45–46, 48, 50–55; 5:79
 objectives, 112A1:5, 7; 20:874
 oceanography, 112A1:13
 organic geochemistry, 112A20:904–907; 112B26:441–
 448; 48:683, 690–691
 organic pigments, 112A2:38
 oxygen index, 112B26:448
 oxygen isotopes, 112B25:431
 paleomagnetic orientation, 112A20:921–922
 petrography impregnation technique, 112B6:87–89
 physical properties, 112A2:41; 20:922–927
 pore pressure, 112B45:663–667
 pore water chemistry, 112A18:733–734; 20:911–913;
 112B8:127–128; 25:417; 32:520–523
 redox and carbon flux data, 119B21:402
 scaly foliation, 112B2:19–20, 28
 sedimentation, 112A1:16

- sediments, 112A2:31–34; 112B2:18; 4:43–51; 30:491–502
- seismic reflection profiling, 112A2:25; 3:45–47, 56, 57, 70; 4:73; 7:109–124; 20:892, 927; 112B32:517–519
- shell beds, 112A20:889; 112B19:329–330
- silicate diagenesis, 112A20:885
- site summary, 112A1:7
- slump folds, 112B2:25
- sonar imagery, 112A8:125–128
- stable isotopes, 112B7:102
- stratal disruption, 112B2:20
- stratigraphic history, 112A1:11–12
- structure, 112A1:8; 112B2:23
- sulfate reduction, 112A2:16
- tectonic evolution, 112A1:11, 23
- temperature, 112A10:147, 155; 20:929
- thermal conductivity, 112A2:42; 20:925–927
- upwelling centers, 112A1:13
- veins, 112B1:3–11; 3:33–34; 6:90
- velocity, 112A10:147–152
- volcanic ash, 112B28:465–478
- Zijderveld plots, 112A20:915–921
- Site 689
- age vs. depth, 113A5:123
- biostratigraphy, 114B13:291–292; 119B24:437; 26:470, 474; 27:502–503; 28:516, 518, 529; 29:556, 575; 120A6:110; 7:187–188; 120B(2):29:531; 33:598; 34:612–613; 55:989, 993; 56:1006; 121B1:19; 2:51; 177B10:1–14
- Eocene, 119B26:472; 38:713; 48:883
- ice-rafted debris, 120B(2):56:1009
- iridium at Cretaceous/Tertiary boundary, 119B39:719
- Leg 114 comparisons, 114B13:283, 290
- location, 119B38:714
- nannofossil–diatom ooze transition, 119B10:202
- oxygen isotopes, 119B38:715; 120B(2):44:850–852; 56:1020
- paleoclimatology, 177B(synthesis):7
- Paleogene, 119B47:885
- redox and carbon flux data, 119B21:402
- sedimentation rates, 130B14:262
- stable isotopes, 119B38:712
- strontium isotopes, 119B40:736
- surface water masses, 119B48:872
- Site 690
- age vs. depth, 113A6:225–227
- basalts, 113A6:198–202
- biostratigraphy, 113A5:117–119; 6:209–223; 113B5:64; 30:466, 468–471; 31:491, 494–495; 32:520–521; 33:535–536, 539, 541; 34:554; 35:574, 580; 37:616–620, 622–628; 38:644–645, 648–649; 40:682–687, 689, 704, 706, 708; 41:714–717; 42:736; 43:770; 52:921, 923; 114B13:281, 286, 291–292; 27:491–492, 496; 119B24:437; 25:452; 26:470, 474; 27:495, 497, 500, 502; 28:516, 518, 529; 29:556; 120A6:110; 120B(2):25:457; 29:531; 34:612–613; 121B1:19; 2:51; 18:406–408; 36:728; 177B10:1–14
- carbon isotopes, 113B46:815; 48:853–854; 49:879–880; 51:904; 56:987–989; 119B38:714; 120B(2):54:970; 183B4:38
- carbon levels, 113B15:190
- carbonates, 113B47:841; 55:977–979, 982–983
- clay mineralogy, 113A6:194–198; 113B5:57; 119B48:874; 121B19:415
- Cretaceous/Tertiary boundary, 121B25:492; 130B45:749, 751
- drilling, 113A6:184–186
- electron microprobe data, 113B1:7
- Eocene disconformity, 119B26:472
- geochemistry, 113A6:199–202
- geomagnetic polarity timescale, 113A6:228–229, 232–234; 113B21:262, 290–292
- gray clay layer at Cretaceous/Tertiary boundary, 119B47:849
- ice-rafted detritus, 113B53:953
- icebergs, 120B(1):12:173
- incompatible elements, 113B1:9
- inorganic geochemistry, 113A6:227–231
- insoluble mass accumulation rates, 113B47:834
- iridium at Cretaceous/Tertiary boundary, 119B39:719
- Leg 114 comparisons, 114B13:283, 289, 290
- lithostratigraphy, 113A6:189–194; 113B37:614–615; 38:641; 55:973; 114B2:37
- location, 113A6:185; 113B1:6; 30:465; 32:516; 33:534; 35:573; 51:902; 119B27:495
- magnetic properties, 113A6:225; 113B21:305–315
- magnetobiostratigraphy, 119B27:501
- magnetostratigraphy, 113B20:258; 21:274–280
- major elements, 113A6:201; 113B1:8; 12:167–168
- nannofossil chalk at Cretaceous/Tertiary boundary, 121B18:395
- nannofossil–diatom ooze transition, 119B10:202
- navigation data, 113A3:44–45
- Oligocene inversions, 119B38:712
- organic geochemistry, 113B50:885–886
- oxygen isotopes, 113B46:815; 48:853–854; 49:879–880, 904; 56:987–989; 114B6:126; 119B38:707, 709; 120B(2):44:851–852
- paleoclimatology, 177B(synthesis):7
- paleogeographic reconstruction, 113B31:489
- petrography, 113A6:198–199
- physical properties, 113A6:202–205; 113B17:214
- pore water data, 113B10:138; 11:150
- redox and carbon flux data, 119B21:402
- Rock-Eval pyrolysis, 113A6:231, 238
- sediment composition, 113A6:190–191
- sedimentation rates, 113A6:225; 130B14:262
- seismic stratigraphy, 113A6:205–208
- site comparison, 113A6:193–194
- stable isotopes, 119B38:710–711
- “Strangelove Ocean,” 113B53:944
- stratigraphy, 113A1:9
- summary, 113A1:9–11; 6:231, 234–240
- surface to intermediate water gradient, 119B38:704
- surface water masses, 119B48:872
- temperature, 113A6:231; 113B2:19
- trace elements, 113A6:201; 113B1:8
- tropical zonation correlation, 113B34:557

Site 691

bathymetry, 113A7:296; 113B4:40
 drilling, 113A7:294, 296–297
 ice conditions, 113A3:39
 lithostratigraphy, 113A7:298–301
 location, 113A7:296; 113B4:40; 6:72; 9:121
 navigation data, 113A3:45
 sediment composition, 113A7:300
 seismic stratigraphy, 113A7:295, 305
 stratigraphy, 113A1:9
 summary, 113A1:9–11; 7:315–317
 three-dimensional view, 113B4:43
 volcanic ash dating, 113A7:299

Site 692

bathymetry, 113A7:296; 113B4:40
 biostratigraphy, 113A7:307–311; 113B23:329–331;
 29:452–454; 42:741
 black shale, 113A7:316
 carbon isotopes, 113B15:195–196
 carbonate content, 113B6:74, 75
 clay mineralogy, 113A7:301, 303
 compressional wave velocity, 113A7:304, 317
 depositional environment, 113B6:75–77
 drilling, 113A7:294, 296–298
 hydrocarbon gases, 113A7:313
 ice conditions, 113A3:39
 ice-rafted dropstones, 113A7:301–304
 kerogen, 113A7:314–315; 113B15:189–191
 lithostratigraphy, 113A7:298–301; 113B4:46; 6:86–87
 location, 113A7:296; 113B4:40; 6:72; 9:121; 28:444;
 29:449; 119B23:417
 magnetic properties, 113A7:311–313
 mineralogy, 113B6:75, 76
 Miocene–Quaternary interval, 113A7:298
 navigation data, 113A3:45
 organic geochemistry, 113A7:314–315; 113B6:75;
 15:191; 16:202; 21:312–315; 119B23:419
 paleolatitude, 113B6:85
 petrography, 113A7:304
 physical properties, 113A7:303–305
 reflector dating, 113A7:316–317
 Rock-Eval pyrolysis, 113A7:313–315; 113B15:191–
 19221:313–314
 sediment composition, 113A7:300
 sedimentary structures, 113B6:73–74, 78
 seismic stratigraphy, 113A7:295, 305–306
 stratigraphy, 113A1:9
 sulfur isotopes, 113B15:195–196
 surface water masses, 119B48:872
 thin section descriptions, 113B6:76
 three-dimensional view, 113B4:43
 Valanginian–Hauterivian interval, 113A7:298–301
 vitrinite reflectance, 113B15:192–193
 volcanic ash, 113A7:299–302
 water content vs. depth, 113A7:304
 well-logging, 113A1:9–11; 7:299, 315–317; 113B6:74;
 23:327; 28:445
 X-ray diffraction data, 113B6:79–80

Site 693

age vs. depth, 113B52:927
 bathymetry, 113A8:331; 113B4:40

biostratigraphy, 113A8:359–365, 366–367; 113B5:64;
 22:319–320; 23:332–334; 24:359–360; 25:367;
 38:650; 43:776–777; 52:926; 119B28:516, 518;
 120B(2)29:524; 123B15:313; 16:356; 39:744,
 746–747
 calcium, 113A8:375, 380; 113B10:138, 141
 carbonate content, 113B6:83; 55:974–975
 chloride, 113A8:374, 379–380
 clay mineralogy, 113A8:342–344; 113B5:55; 12:168
 compressional wave velocity, 113A8:353, 113B4:44;
 19:243
 consolidation, 113B17:214, 217, 222
 Cretaceous–Oligocene hiatuses, 113A8:357–358
 depositional environment, 113B6:79–80
 dissolved organic carbon, 113B13:172, 174
 downhole measurements, 113A8:378, 381, 383;
 113B19:242–243
 drilling operations, 113A8:330–332, 383;
 113B19:242–243
 geomagnetic polarity timescale, 113A8:372, 374, 376,
 378
 glacial sediments, 120B(1)12:163
 grain shape analysis, 113B7:100–102
 hiatuses, 113A8:369, 372, 383; 113B5:55
 hydrocarbon gases, 113A8:377, 382–383
 hydrography, 113B9:122
 ice conditions, 113A3:39
 ice-rafted debris, 113A8:345–350; 120B(1)12:176;
 (2)56:1009–1010, 1012; 63:1093
 icebergs, 120B(1)12:173
 inorganic geochemistry, 113A8:372–377
 kerogen, 113A8:377; 113B15:190–193
 lithostratigraphy, 113A8:332–340; 113B6:86; 7:92;
 120B(2)56:1011
 location, 113A8:331; 113B4:40; 6:72; 9:121; 19:240;
 27:427; 29:449; 119B23:417
 magnetic properties, 113A8:368–371, 373, 375;
 113B25:368–371, 373
 magnetostratigraphy, 113A8:384; 113B9:127
 Milankovitch cycles and logs, 113B19:245–250
 mineralogy, 113B6:84
 Miocene hiatuses, 113A8:356–357
 Miocene–Pliocene, 113B19:239–240, 248–250
 navigation data, 113A3:45
 Oligocene, 113A8:338–339, 341; 119B48:873
 Oligocene–Miocene, 113B9:123–125; 19:240, 248
 organic geochemistry, 113A8:377–378; 113B15:190;
 16:202; 50:886–888
 oxygen isotopes, 113B10:138, 141
 paleoclimatology spectral analysis, 113B19:244–248,
 250
 paleoenvironment, 113A8:343, 345
 paleolatitude, 113B6:85
 petrography, 113A8:346–349
 physical properties, 113A8:349–353, 355–356;
 113B17:215–217; 19:240, 242–244
 Pleistocene, 113A8:334; 113B9:126–128
 Pliocene–Pleistocene, 113A8:334, 336; 113B9:125–
 126, 129
 pore water, 113A8:374–375, 379–380; 113B10:136–
 138, 141; 11:150; 13:175

Rock-Eval pyrolysis, 113A8:377, 381
 sand fraction, 113A8:341–342
 sedimentary structures, 113B6:82
 sedimentation, 113A8:369, 377; 113B9:122–124, 126
 seismic stratigraphy, 113A8:332, 353–358, 385;
 113B4:44–46; 9:125
 site comparison, 113B6:86–87, 92–95; 38:641
 strontium isotopes, 113B11:150–153, 155–156
 surface water masses, 119B48:872
 synthetic seismograms, 113A8:384
 total organic carbon, 113B15:190
 two-way traveltime, 113B4:45
 vitrinite reflectance measurements, 113B15:192–193
 volcanic glass color, 113B6:78
 water content vs. depth, 113A8:351–352
 well-logging, 113A1:9–11; 8:333, 378–381; 383–386;
 113B6:82; 19:241; 23:328; 36:597

Site 694

biostratigraphy, 113A1:9; 9:471, 474–477;
 113B43:778; 52:928; 54:965
 clay mineralogy, 113A9:461–463, 465; 113B5:59
 dissolved organic carbon, 113B13:172, 174
 drilling, 113A9:450–451, 453
 geomagnetic polarity timescale, 113A9:481, 484
 grain shape analysis, 113B7:100–102
 hydrocarbon gases, 113A9:485, 487
 ice-rafted dropstones, 113A9:463, 466
 inorganic geochemistry, 113A9:478–485
 kerogen, 113A9:488
 lithostratigraphy, 113A9:453–461, 473, 489;
 113B7:92–95
 location, 113A9:451; 119B23:417
 magnetic properties, 113A9:477–480, 482–483
 navigation data, 113A3:45
 organic geochemistry, 113A9:485–488; 113B16:202;
 50:888–889
 oxygen isotopes, 113B10:139, 142
 paleoenvironment, 113A9:462–463
 petrography, 113A9:466
 physical properties, 113A9:464–472; 113B17:218
 pore water, 113A9:481, 485–486; 113B10:137, 139,
 142; 11:150; 13:175
 Rock-Eval pyrolysis data, 113A9:487–488
 sediment composition, 113A9:460
 sedimentation rates, 113A9:478, 484–485
 seismic stratigraphy, 113A9:452, 469–471
 strontium isotopes, 113B11:150, 152–153, 156
 surface water masses, 119B48:872
 well-logging, 113A1:9–11; 9:488–490

Site 695

amino acids, 113B14:181, 183–184
 biostratigraphy, 113A1:9; 10:547–548, 551–554;
 113B42:738; 43:778–779; 52:930; 54:966;
 119B28:516
 clay mineralogy, 113A10:537–539; 113B5:62
 consolidation test data, 113B17:214
 drilling, 113A10:527–528, 530–531
 grain shape analysis, 113B7:100–102
 ice conditions, 113A3:39
 ice-rafted dropstones, 113A10:539–540
 inorganic geochemistry, 113A10:558–562

lithostratigraphy, 113A10:531–537; 113B7:92–95
 location, 113A10:528; 113B3:28; 14:180
 magnetic properties, 113A10:554–559
 navigation data, 113A3:45
 organic geochemistry, 113A10:563–564
 petrography, 113A10:540
 physical properties, 113A10:540–542
 pore water, 113A10:561; 113B10:139; 11:150
 Rock-Eval pyrolysis, 113A10:565
 sediment composition, 113A10:532
 sedimentation rates, 113A10:555–558
 seismic stratigraphy, 113A10:542–546
 surface water masses, 119B48:872
 temperature, 113A10:564–568; 113B2:19–20, 25
 vitrinite reflectance, 113B15:192, 194
 volcanic ash, 114B40:733–742
 well-logging, 113A1:9–11; 10:568–569
See also South Orkney microcontinent

Site 696

biostratigraphy, 113A11:632–640; 113B5:64; 36:600,
 602; 38:651; 42:739; 43:781; 52:932; 54:967;
 119B28:516
 clay mineralogy, 113A11:620–623; 113B5:61
 consolidation test data, 113B17:214
 drilling, 113A11:608–609, 611–613; 113B3:30
 geomagnetic polarity timescale, 113A11:646–649
 grain shape analysis, 113B7:100–102
 ice conditions, 113A3:39
 ice-rafted dropstones, 113A11:622–624
 inorganic geochemistry, 113A11:643–650
 lithostratigraphy, 113A11:613–620; 113B7:92–95;
 38:641
 location, 113B3:28
 magnetic properties, 113A11:641–642, 644–647
 navigation data, 113A3:45
 organic geochemistry, 113A11:650
 petrography, 113A11:624
 physical properties, 113A11:624–628
 pore water, 113A11:650; 113B10:139, 151
 Rock-Eval pyrolysis, 113A11:650, 654
 sediment composition, 113A11:616
 seismic stratigraphy, 113A11:628–631
 stratigraphy, 113A1:9
 surface water masses, 119B48:872
 temperature, 113A11:650–652; 113B2:21, 25
 vitrinite reflectance, 113B15:192, 194
 volcanic ash, 114B40:733–742
 well-logging, 113A1:9–11; 11:614, 653–656, 658–659;
 113B36:597
See also South Orkney microcontinent

Site 697

biostratigraphy, 113A12:717–725; 113B42:740;
 52:932; 54:967
 clay mineralogy, 113A12:710–712, 715; 113B5:63
 consolidation test data, 113B17:214
 deepwater circulation, 113B8:112
 drilling, 113A12:705–708
 geomagnetic polarity timescale, 113A12:730, 735
 grains, 113B7:100–102; 8:117–118
 ice conditions, 113A3:39
 inorganic geochemistry, 113A12:729–736

- lithostratigraphy, 113A12:708–710; 113B7:92–95
 magnetic properties, 113A12:726–734; 113B45:808
 microfabrics, 113B18:227–228
 navigation, 113A3:45
 organic geochemistry, 113A12:736–738
 physical properties, 113A12:713–716
 pore water chemistry, 113A12:736; 113B10:140, 151
 Rock-Eval pyrolysis, 113A12:736–737, 739
 sediment composition, 113A12:711
 sedimentation rates, 113A12:727–729
 seismic stratigraphy, 113A12:716–717
 stratigraphy, 113A2:19
 surface water masses, 119B48:872
 vitrinite reflectance, 113B15:192, 194
 volcanic ash comparison with Leg 114, 114B40:733–742
 well-logging, 113A1:9–11; 12:738–741
 Site 698
 age model, 114A5:108, 110, 122; 114B27:484
 alternating-field demagnetization, 114B22:389–391, 395–396
 basement, 114B2:23, 37
 bathymetry, 114A4:35, 70; 5:89–90; 114B2:24; 27:483–484
 biostratigraphy, 114A5:97–105, 107–118, 122; 114B4:49–96; 6:125, 134; 7:166; 13:284–285, 289; 27:486–490; 121B6:173, 177
 Campanian–Maastrichtian interval, 114B13:281–298
 chertification, 114A5:94, 96–97, 100, 105–106, 115
 correlation, 114B27:500
 deepwater sources, 114B27:495–496
 deposition, 114B12:242
 drilling, 114A5:88, 92–93, 99; 115
 Eocene, 114B7:172–173
 geochemistry, 114A5:107–109, 111
 geological setting, 114A5:88, 116–118, 122
 hydrocarbon gases, 114A5:113
 hydrography, 114A5:88, 94
 igneous rocks, 114B22:387–388
 inorganic geochemistry, 114A5:109, 113, 116
 intersite comparisons, 114A5:94; 8:378; 12:799
 lithostratigraphy, 114A5:92–100, 111–112, 116; 114B2:26; 12:262–263; 29:557; 35:657–670
 location, 114A5:87–90, 94–95; 6:192; 114B4:50; 7:156; 12:234; 13:282; 35:658
 Maastrichtian, 114B17:317–324
 magnetic properties, 114A4:35; 5:111, 114, 117; 114B21:385; 22:391, 393–394, 397, 400, 402, 406
 magnetostratigraphy, 114A5:92, 109
 mineralogy, 114A5:109, 111
 navigation, 114A4:67–68
 Oligocene–Miocene interval, 114B7:173
 organic geochemistry, 114A5:108–109, 113
 Paleocene, 114B6:123–143; 7:172
 paleoclimatology, 114A5:117
 paleoenvironment, 114A5:117–118, 122
 Paleogene, 114B12:235–236, 238–241
 physical properties, 114A5:111–117; 11:661–663; 114B22:390–393; 35:657–658
 pore water chemistry, 114A5:95, 107–108, 111–112
 redox and carbon flux data, 119B21:402
 remanent magnetic intensity, 114A5:111; 22:391, 402
 sedimentation rates, 114A5:101, 110, 118, 122, 124
 seismic stratigraphy, 114A4:67, 74–75; 5:88, 90–91, 113–114, 116–120; 6:152; 114B2:25–26
 stratigraphic ranges, 114B27:489
 surface water masses, 119B48:872
 tectonic uplifts, 114A5:115–117; 114B2:29, 31–33
 topography, 114A5:98, 113–114
 unconformities, 114B2:28–29
 well-logging, 114A5:121
 Site 699
 age model, 114A6:164–166, 168–169; 114B7:157; 8:192; 27:484; 32:603; 33:612–614, 628–629
 basement, 114B2:23
 bathymetry, 114A4:35, 70; 5:89; 6:153; 114B2:24; 27:483–484
 biosiliceous fraction, 114B33:626–627
 biostratigraphy, 114A6:161–173, 176, 183, 193, 198; 114B5:97–122; 7:157–158, 166–167; 8:181, 184, 186; 12:236–237; 16:311–315; 18:325–332; 27:486–490, 496; 33:618, 640–641; 41:753–778; 120A4:71; 121B6:173, 177
 clay-fraction X-ray diffraction data, 114B37:687–689, 690
 compressional wave velocity, 114A6:182, 191; 7:291
 coring summary, 114A6:155
 debris, 114B32:601, 605, 607
 deepwater sources, 114B27:495–496
 deposition, 114A6:164–166, 169, 171, 188, 191, 198–199; 114B12:244
 depth correlations, 114A7:294
 diagenetic structures, 114B37:691
 drilling, 114A6:152–156
 Eocene, 114B7:172–173
 Eocene–Oligocene interval, 114B8:179–192
 geological setting, 114A6:151–152, 164–166, 168–169
 hiatuses, 114A6:151–152, 156, 164, 188, 190, 192, 199; 114B32:600
 hydrocarbon gases, 114A6:177
 hydrography, 114A5:94, 199
 ice-rafting, 114B31:589–607
 inorganic geochemistry, 114A6:173–174, 176–178, 198
 intersite comparisons, 114A6:151, 170–171; 7:272, 285, 294; 8:382–383; 9:490, 495; 12:799; 114B5:105–107; 12:257–263
 lithology, 114A6:151, 156–157, 159–163, 193; 114B5:105–107; 12:257–263; 33:612–614, 617; 37:685, 687; 39:720
 lithostratigraphy, 114A6:156–164, 182, 185–186, 188–189, 193, 196–197; 114B2:24; 7:156–164; 29:557; 35:659
 location, 114A6:151–152, 191–192; 114B4:50; 5:99; 7:156; 12:234; 32:600; 33:610–611; 35:658; 37:686; 41:754
 magnetic properties, 114A4:35; 6:176–182; 114B2:24; 19:339–347, 349, 351–352, 355–356; 29:565–569
 magnetostratigraphy, 114A6:167, 179–182; 114B19:337–357

- mass accumulation rates, 114B31:594
- microbes, 114B37:691, 694–697, 699, 702–703
- microhemispheroids, 114B37:697–699, 704–709
- Miocene, 114B37:686
- Miocene hiatus, 114B37:686
- navigation, 114A4:67–68
- Oligocene–Miocene interval, 114B7:173
- organic geochemistry, 114A6:174, 176–178
- Paleocene, 114B7:172
- paleoenvironment, 114A6:198–199
- Paleogene, 114B12:236–237, 243
- physical properties, 114A6:175, 182, 185–190; 7:288, 291; 114B29:561; 35:657–658, 663–664; 120A10:360
- Pliocene–Quaternary interval, 114B5:97–121
- pore water chemistry, 114A6:173–176; 114B37:686–687; 39:719–731
- redox and carbon flux data, 119B21:402
- sand-silt-clay percentages, 114B33:616–617, 632
- sediment mass accumulation rates, 114B33:628
- sedimentation, 114A6:151–152, 164, 166–167, 193; 114B5:98
- sediments, 114B33:611, 626–627
- seismic stratigraphy, 114A4:75–76; 6:152–153, 190–192, 195; 7:289, 304; 114B2:27
- silica diagenesis, 114B37:685–710
- stratigraphic ranges, 114B6:125; 27:495
- surface water masses, 119B48:872
- tectonic events, 114A6:152–153, 193–194; 7:256; 114B2:29, 31–33; 35:662
- terrigenous material, 114A6:158
- well-logging, 114A6:196–197
- Site 700
 - age models, 114A7:268, 271–272, 304; 114B13:289; 27:484
 - basement, 114B2:23
 - bathymetry, 114A4:35, 70; 7:257; 114B2:24; 27:483–484
 - biostratigraphy, 114A5:129; 7:256, 266–276, 279, 287, 304–307; 114B4:49–96; 6:135; 7:159–160, 167–168; 13:288–289; 16:311–315; 18:325–332; 24:452; 27:486–489, 494, 498; 120A4:71; 121B6:173, 177
 - Campanian–Maastrichtian interval, 114B13:281–298
 - carbon isotopes, 114B27:503
 - carbonate content, 114A7:290
 - coring, 114A7:256–259
 - correlations, 114B27:500
 - deepwater sources, 114B27:495–496
 - deposition, 114B12:246; 34:652–653
 - depth correlations, 114A7:293–294; 114B39:726
 - diagenesis, 114A7:264–266, 268; 114B34:653–655
 - downhole measurements, 114A7:310–311; 114B34:651–652
 - Eocene, 114B7:172–173
 - geological setting, 114A7:255–256, 268–269, 300, 304–307
 - hiatuses, 114A6:192
 - hydrocarbon gases, 114A7:280
 - hydrography, 114A5:94; 7:307
 - inorganic geochemistry, 114A7:276–278, 281, 287
 - intersite comparisons, 114A7:285, 287–289; 12:799; 114B5:105–107; 12:257–263; 27:501
 - lithostratigraphy, 114A7:255, 259–268, 283–285, 294–300, 302–304; 12:800–801; 114B29:557; 34:650–653; 35:657–670
 - location, 114A6:192; 7:255–257, 298–299; 114B4:50; 7:156; 12:234; 13:282; 35:658
 - Maastrichtian, 114B17:317–324
 - magnetic properties, 114A7:278, 280, 282–285; 114B19:339–340, 342–343, 345, 348–349, 352
 - magnetostratigraphy, 114A7:280, 283, 285, 304; 114B2:24; 19:337–357
 - navigation, 114A4:67–68
 - objectives, 114A7:256, 299
 - Oligocene–Miocene interval, 114B7:173
 - organic geochemistry, 114A7:276–278, 280–281
 - oxygen isotopes, 114B27:503
 - Paleocene, 114B6:123–143; 7:172
 - Paleogene paleoenvironment, 114B12:237–239, 245
 - physical properties, 114A7:276, 282–289, 291; 114B13:290; 19:345, 350, 357; 34:653–654, 664; 35:657–658
 - pore water chemistry, 114A7:276–278; 114B39:719–731
 - redox and carbon flux data, 119B21:402
 - sedimentation rates, 114A7:271, 304
 - seismic stratigraphy, 114A2:27; 7:257, 288–289, 292, 299, 304
 - stratigraphic ranges, 114B6:125; 27:493
 - surface water masses, 119B48:872
 - tectonic events, 114A7:256, 301, 304, 307; 114B2:29, 31–33; 35:662
 - vs. age, 114B35:663
 - well-logging, 114A7:289, 291–292, 295–300, 302–303, 309–312; 114B34:653
- Site 701
 - age models, 114A8:376–377, 379–388, 411; 114B5:97–122; 32:604; 33:614, 625, 629
 - bathymetry, 114A4:70
 - biostratigraphy, 114A6:199; 8:378–388, 411; 114B5:110–118; 7:168–169; 16:311–315; 33:621, 641–643
 - coarse fraction components, 114B11:222
 - coring, 114A8:364–368, 407
 - debris, 114B32:602, 605, 607
 - deposition, 114A8:411–413
 - depth correlations, 114A8:375, 381, 384, 407; 114B39:727
 - Eocene, 114B7:172–173
 - geochemistry, 114B40:743–745; 119B17:335
 - geological setting, 114A8:363–364, 374–375, 388, 411–413
 - hiatuses, 114A8:404–405, 411–413; 114B32:601
 - hydrocarbon gases, 114A8:392
 - hydrography, 114A5:94
 - ice-rafting, 114B31:589–598; 32:599–607
 - igneous rocks, 114B22:387–406
 - inorganic geochemistry, 114A8:388–389, 391–393, 398–399, 410
 - intersite comparisons, 114A9:508; 12:799; 114B5:105–107; 12:257–263

lithology, 114A8:369–375, 377–378, 408–409, 411;
 114B11:217–218; 33:614, 617; 35:657–670
 lithostratigraphy, 114A8:369–378, 395, 397–398, 401,
 402, 404, 407–412; 12:797–798, 802;
 114B29:557; 33:617; 35:659
 location, 114A8:363–367; 114B4:50; 5:99; 7:156;
 11:219; 12:234; 22:407; 32:600; 33:610–611;
 35:658
 magnetic properties, 114A8:391–396; 114B20:360–
 364; 22:394; 29:565, 567, 568–569
 magnetostratigraphy, 114A8:393, 395–396;
 114B20:359–366
 mass accumulation rates, 114B31:594
 Miocene–Holocene interval, 114B11:217–232
 navigation, 114A4:67–68
 Oligocene–Miocene interval, 114B7:173
 organic geochemistry, 114A8:388–389, 391–393
 Paleocene, 114B7:172
 paleoenvironment, 114A8:411–413
 Paleogene, 114B12:239–241
 physical properties, 114A8:395–405, 410;
 114B29:561; 35:657–658; 120A10:360
 pore water chemistry, 114A8:388–391; 114B39:719–
 731
 pyritization, 124B26:364
 redox and carbon flux data, 119B21:402
 sand-silt-clay percentages, 114B33:619–620, 633–635
 sediment mass accumulation rates, 114B33:628
 sedimentation rates, 114A8:411, 413
 sediments, 114B33:611, 614, 626–627
 seismic stratigraphy, 114A4:76; 8:367, 405–408
 surface water masses, 119B48:872
 tectonic events, 114A8:365, 411–412
 tephra terrigenous material, 114A8:410
 terrigenous sedimentation, 114A8:406–407
 topography, 114A8:364, 408
 unconformities, 114B20:361
 volcanic ash, 114B40:733–742; 120B(1)11:157
 volcanic glass variable morphology, 114B40:748–749
 well-logging, 114A8:409–410

Site 702

ages, 114A9:492, 494–495, 497, 514; 114B1:20–21;
 27:484
 bathymetry, 114A4:70–71; 9:485, 487; 114B1:7–8;
 27:483–484
 biostratigraphy, 114A9:492–498, 514–515; 114B4:49–
 96; 7:169; 18:325–332; 27:486–489, 492, 500;
 120A4:71; 121B6:173, 177
 carbon isotopes, 114B27:502, 507; 38:706
 coring, 114A9:485, 489
 deepwater sources, 114B27:495–496
 deposition, 114A9:491–492, 514–515; 114B12:248
 depth correlations, 114B39:728
 Eocene, 114B7:172–173
 Eocene boundary, 114B20:364, 366
 Eocene/Miocene unconformity, 114A9:509
 geological setting, 114A9:483–484, 491–492, 495–
 496, 514–515
 hiatuses, 114A9:508
 hydrocarbon gases, 114A9:502
 hydrography, 114A5:94

inorganic geochemistry, 114A9:498–501, 503–504,
 508
 intersite comparisons, 114A9:490, 508; 12:799;
 114B12:257–262; 27:501
 lithology, 114A9:483, 488–491, 511; 114B35:657–670
 lithostratigraphy, 114A9:489–492, 504–505, 507–508;
 114B1:17–18; 29:557; 35:659
 location, 114A9:483–485, 509–510; 114B4:50; 7:156;
 12:234; 35:658
 magnetic properties, 114A9:501–503; 114B20:365–
 366
 magnetostratigraphy, 114A9:502, 514; 114B20:359–
 366
 navigation, 114A4:67–68; 9:509
 Oligocene–Miocene interval, 114B7:173
 organic geochemistry, 114A9:498, 501, 503–504, 508
 oxygen isotope data, 114B27:502, 507
 Paleocene, 114B6:123–143; 7:172; 12:241–242, 247
 physical properties, 114A9:502–508; 114B27:504–
 505, 507–508; 35:657–658
 pore water chemistry, 114A9:498–501; 114B39:719–
 731
 sedimentation rates, 114A9:484
 sediments, 114B1:16–17, 22
 seismic stratigraphy, 114A4:77; 9:487, 509–511;
 114B1:18–19
 stratigraphic ranges, 114B6:125; 27:491
 surface water masses, 119B48:872
 tectonic events, 114B27:486, 514
 terrigenous sediment, 114A9:490–491
 topography, 114B1:7
 well-logging, 114A9:512–513

Site 703

ages, 114A10:560–563; 114B1:20–21
 bathymetry, 114A4:70; 10:550; 114B1:7, 10
 biostratigraphy, 114A10:559–567; 114B4:49–96;
 7:169–170; 8:182, 185, 187; 11:219; 18:325–
 332; 120A4:71
 carbonates, 114A10:575; 114B25:467
 coring, 114A10:549–550, 552–554
 correlations, 114A11:661–662
 deposition, 114B12:251
 Eocene, 114B7:172–173
 Eocene–Oligocene interval, 114B8:179–192
 geological setting, 114A10:549, 559–561, 564–565,
 582
 hydrocarbon gases, 114A10:569
 inorganic geochemistry, 114A10:567, 569
 intersite comparisons, 114A10:564; 12:799;
 114B12:257–263
 lithology, 114A10:549, 555–559, 571–572, 578, 581–
 582; 114B35:657–670
 lithostratigraphy, 114A10:554–559, 571–572, 585;
 114B1:17; 29:557; 35:659
 location, 114A10:549–550; 114B4:50; 7:156; 11:219;
 12:234; 35:658
 magnetic properties, 114A10:567, 569–571, 573;
 114B1:20; 21:368–370, 372, 374–375, 22:394–
 396, 399–404, 406
 magnetostratigraphy, 114A10:570, 574; 114B21:367–
 386

- Miocene–Holocene interval, 114B11:217–232
 navigation, 114A4:67, 69; 10:578
 Oligocene–Miocene interval, 114B7:173
 organic geochemistry, 114A10:567
 Paleocene, 114B7:172
 paleoenvironment, 114A10:582
 Paleogene, 114B12:247–252
 physical properties, 114A10:566–569, 571–573, 575–576, 577, 580; 114B22:390, 392, 395, 398, 401; 35:657–658
 pore water chemistry, 114A10:567–569
 sedimentation rates, 114A10:549; 114B1:17; 5:98
 sediments, 114B1:11, 17, 22; 21:368
 seismic stratigraphy, 114A4:77–81; 10:553, 572–573, 579–581
 surface water masses, 119B48:872
 tectonic events, 114A10:551; 114B26:478
 terrigenous flux, 114A10:556; 114B21:369
 topography, 114A10:550, 573, 580–581
 turbidite stratigraphic distribution, 114A10:556
 well-logging, 114A10:573–576, 578–582, 584–587
- Site 704
- ages, 114A11:636–642, 683–684, 687; 114B1:20–21; 5:107; 10:211; 23:412, 423–429, 449; 28:520; 29:553, 555; 32:605; 33:615, 625, 629–630; 36:672, 674
 Arctic–Antarctic correlations, 114B9:193–200
 bathymetry, 114A4:70; 11:623–624; 114B1:7, 10; 3:40; 38:712
 biostratigraphy, 114A11:637–683, 687; 114B5:97–122; 7:170–171; 9:197–198; 10:203, 211; 11:220–225, 227; 18:325–332; 25:461, 466; 33:624, 643–646; 41:753–778
 Brunhes Chron periodograms, 114B29:564
 calcium vs. lithology indicator ratio, 114B30:578
 carbon isotopes, 114B23:414–415, 417, 419, 421–422, 430–458, 25:462–463; 26:477–480; 177B(synthesis):15
 carbonate, 114A11:633, 635, 653–656, 665–666; 12:803; 114B25:464–465, 468, 470; 28:522–524, 533–550; 29:576; 36:683
 chron interval spectrograms, 114B30:581–582, 584
 coarse fraction components, 114B11:223, 226
 color, 114B28:517; 29:558
 composite depth section, 114B28:517, 519
 coring, 114A11:622, 624–628
 correlations, 114B3:41–44; 35:665
 debris, 114B32:603, 605, 607
 deposition, 114A11:636–637, 684, 687–688
 depth correlations, 114B30:578; 39:729
 downhole measurements, 114B28:516–518
 Eocene, 114B7:172–173
 geochemistry correlations, 114A36:672–673
 geological setting, 114A11:621–622, 636–637, 643–645, 647, 684, 687–688
 grain size, 114B33:612; 36:676, 678–682
 heat flow, 114B3:39–45
 hydrocarbon gases, 114A11:652
 ice-rafting, 114B31:589–607
 inorganic geochemistry, 114A11:647–649
 intersite comparisons, 114A12:799; 114B5:105–106; 12:257–263; 25:469
 laboratory data, 114B38:712–715
 lithology, 114A11:621, 628–631, 633–634, 636–637, 683; 114B11:218, 223; 33:612, 625; 35:657–670
 lithostratigraphy, 114A11:628–637, 657; 12:798; 114B1:17; 10:203; 29:557; 33:612, 659
 location, 114B4:50; 5:99; 7:156; 9:194; 11:219; 12:234; 24:438; 25:460; 28:550; 32:599–600; 33:610–611, 621–622, 624; 35:658; 36:671–672; 41:754
 magnetic properties, 114A11:652, 656, 658–659, 683; 114B1:17, 20; 20:376–380; 21:368, 370–371, 373–376; 29:553, 566, 570; 34:652; 35:657
 magnetostratigraphy, 114A11:640–641, 660; 114B21:367–387; 36:672–673; 41:759
 mass accumulation rates, 114B31:595
 Miocene, 114B7:173
 Miocene–Holocene interval, 114B11:217–232
 Miocene–Quaternary interval, 114B10:201–216
 navigation, 114A4:67, 69; 11:674
 Neogene, 114B26:475–480
 Norwegian Sea comparison, 114B9:195, 197
 ocean circulation, 154B30:459–460
 Oligocene–Miocene interval, 114B7:173
 opal, 108B29:478; 114B28:533–550
 organic geochemistry, 114A11:649, 651, 653–656
 oxygen isotopes, 114B9:196; 23:413–414, 416, 418, 420; 26:475–480; 120B(2)45:859; 177B(synthesis):9, 41
 Paleocene, 114B7:172
 paleoceanography, 177B(synthesis):8
 paleoenvironment, 114A11:684, 687–688
 Paleogene, 114B12:252–253
 physical properties, 114A11:656–658, 661–662, 679–673, 676–682; 114B28:516–518; 29:552–553, 561, 571, 574–575; 35:662, 666; 36:675, 682–683; 38:711–718
 Pliocene–Pleistocene, 114B23:409–436
 polar front upwelling, 114B23:410; 36:671–684
 pore water chemistry, 114A11:648–652; 114B23:411; 39:719–731
 Quaternary, 138B17:383–384, 391
 redox and carbon flux data, 119B21:402
 sand-silt-clay percentages, 114B33:622–623, 636–639
 sediment mass accumulation rates, 114B28:520–522, 524–527; 33:628
 sedimentation, 114A11:622, 681; 114B1:17; 5:98; 25:464; 29:572; 30:580, 582–584
 sediments, 114B1:11, 17, 22; 33:611, 626–627
 seismic stratigraphy, 114A4:82–84; 11:625, 664, 666, 668, 675, 681, 684; 114B1:14–15; 38:713
 stable isotopes, 114B25:459–474
 surface water masses, 119B48:872
 tectonic events, 114A11:623, 684; 114B26:478
 terrigenous flux, 114A11:631–632; 114B21:369; 28:521–527, 529
 topography, 114A11:622

- well-logging, 114A11:668–670, 672–682, 685–686,
 690–700; 114B28:515–532; 30:577–585; 34:649–
 655; 38:714–715
- Site 705
- basement, 115A2:36–38
- bathymetry, 115A1:6, 10; 3:46; 4:127; 115B2:12
- biochronology, 115B15:183
- biostratigraphy, 115A2:26–32; 4:132–137;
 115B15:177–183; 22:403–405; 23:412, 417–419
- Cenozoic, 115B22:395–396
- chronostratigraphy, 115B15:183–184
- coring, 115A2:18–19; 4:126, 129–130, 132
- crustal alteration, 115B34:642–643
- deep-sea hiatuses, 115B23:423–425
- dissolution, 115A1:11–14
- geochemistry, 115A2:35–36; 4:143–144, 150;
 115B1:8–9
- geologic column, 115A1:8
- hotspots, 115A1:5–9; 115B1:3–5
- lithostratigraphy, 115A4:130–132
- magnetic properties, 115A2:34–35, 46; 4:137, 139;
 115B40:721–723
- magnetostratigraphy, 115A2:32, 34; 115B23:419–420
- navigation, 115A3:43, 48, 51
- Neogene, 115B15:185; 45:795–800, 828
- paleoceanography, 115A1:9–14; 115B23:425–430
- paleogeographic reconstruction, 115B1:5–7
- paleolatitude, 115B1:7–8
- periplatform oozes, 115A1:13–14
- physical properties, 115A2:38–39; 4:149–151, 159–
 162; 5:270
- pipe-rust contamination, 115B41:753, 755
- plate tectonics, 115A1:5–9
- pore water chemistry, 115A4:149; 115B34:630–634,
 643–644
- Quaternary, 115B14:130–131
- recrystallization, 115B34:636–637, 639–642
- redox and carbon flux data, 119B21:402
- sedimentation, 115A1:11–13, 4:142, 148
- sediments, 115A2:22–25; 115B34:634–636, 638
- seismic stratigraphy, 115A3:46–47, 49–50, 52; 4:151–
 152
- solids, 115B34:634–635
- water circulation, 115A1:14
- well-logging, 115A2:39–40
- Site 706
- acoustic impedance, 115A4:162
- alteration, 115A4:147–148; 115B3:26; 8:85–91;
 44:791–792
- anorthite content, 115B3:29
- argon geochronology, 115B4:46–50
- basalt crystallization, 115B10:105
- basalts, 115A2:9; 4:129
- basement, 115A2:36–38; 4:146–149
- basement age, 121B38:770
- bathymetry, 115A1:6, 10; 3:46; 4:127; 115B2:12; 6:64;
 11:111; 14:144–147
- biochronology, 115B15:183
- biostratigraphy, 115A2:26–32; 4:132–138, 148;
 115B15:177–183; 19:277–282; 22:395–396, 403–
 405; 23:413, 417–419; 45:795–802, 828
- carbonates, 115A4:152
- cerium anomalies, 115B39:709–713
- chromite fractionation, 115B7:80
- chronostratigraphy, 115B15:183–184
- clinopyroxenes, 115B3:28
- coring, 115A2:18–19; 4:126, 128–129, 130, 132
- crustal alteration, 115B34:642–643
- crystallization, 115B10:105–106
- deep-sea hiatuses, 115B23:423–425
- deepwater and bottom water stratification,
 115B20:336, 340–348
- dissolution, 115A1:11–14
- early diagenesis, 115B41:755–756, 758, 760, 765–767
- geochemical stratification, 115B6:63–68
- geochemistry, 115A1:13; 2:35–36; 4:144–146, 150,
 154–155; 115B1:8–9; 2:11–13, 19–21, 3:25–26,
 34–35; 10:104; 34:634–635
- geologic column, 115A1:8
- grain size and textures, 115B10:106, 108–110
- hotspots, 115A1:5–9, 12; 115B1:3–5; 11:116–117;
 121B38:771–773, 776
- incompatible element ratios, 115B2:13, 15–18
- iron-titanium oxides, 115B10:104–105
- lithostratigraphy, 115A4:130–132, 146–147;
 115B41:748–749, 754–755
- location, 115B5:53; 8:86
- magma, 115B7:77, 80–81
- magnesium number, 115B3:30
- magnetic properties, 115A2:34–35; 3:46; 4:137–145;
 12:927; 115B10:104–106, 112–116; 40:721–723
- magnetostratigraphy, 115A2:32, 34; 115B23:419–423;
 40:735–736
- mantle processes and noble metals, 115B7:81–82
- melting-phase relations, 115B6:66–67
- mineralogy, 115B3:26–30, 34–35, 40–41, 45
- modal abundance, 115B10:105
- navigation, 115A3:43, 48, 51
- Neogene, 115B15:185
- noble metals, 115B7:71–83
- Oligocene–Pliocene, 115B20:322–325, 328–336
- olivines, 115B3:29
- opaque minerals, 115B3:29
- paleoceanography, 115A1:9–14; 115B23:425–430
- paleoclimatic events, 115B20:318, 322
- Paleogene, 115B14:132, 141, 144; 24:433–442
- paleogeographic reconstruction, 115B1:5–7
- paleolatitude, 115A12:919, 928; 115B1:7–8; 11:116;
 40:734–735
- periplatform oozes, 115A1:13–14
- petrography, 115A4:156; 10:756; 115B10:104
- physical properties, 115A2:38–39; 4:149–151, 158–
 162; 5:270
- pipe-rust contamination, 115B41:768
- plagioclase phenocrysts, 115B3:27
- plate tectonics, 115A1:5–9
- platinum-group elements, 115B7:80, 82; 8:91
- pore water chemistry, 115A4:149–150; 115B34:630–
 634
- pressure-temperature conditions, 115B6:67–68
- pyroxenes, 115B3:39
- recrystallization, 115B34:636–637, 639–642

- sediment classification, 115A2:22–25
 sedimentation, 115A1:11–13, 4:143
 seismic stratigraphy, 115A3:43–44, 46–47, 49–50, 52;
 4:151–152, 163–164
 silicate mineral fractionation, 115B7:81
 stable isotopes, 115B5:55–60
 strontium isotopes, 115B34:634–636, 638
 sulfide fractionation, 115B7:80–81
 thermal structure, 115B6:68
 volcanic glass, 115B3:25, 29
 water circulation, 115A1:14
 well-logging, 115A2:39–40
- Site 707
 ages, 115B25:469–470
 alteration, 115B3:30; 9:93–94; 44:791–792
 anorthite content, 115B3:32
 argon geochronology, 115B4:46–50
 barite, 115B37:687–688
 basalts, 115A1:9; 5:236; 115B10:105
 basement, 115A2:36–38; 5:271–272
 bathymetry, 115A1:6, 10; 3:46; 5:234, 238, 283;
 115B2:12; 6:64; 11:111; 14:144–147; 25:486;
 37:680
 biochronology, 115B15:183
 biogenic opal, 115B37:684–687
 biostratigraphy, 115A2:26–32; 5:244–252, 263; 7:473;
 115B15:177–183, 187; 16:238–248; 22:395–396,
 403–405; 23:413–415, 417–419; 25:469; 37:692
 bulk sediment mass accumulation rates, 115A5:236
 carbon isotopes, 115B9:97
 carbonate compensation depth, 115B25:485–487
 carbonates, 115A5:266–269, 277; 8:609; 9:685;
 115B37:681
 Cenozoic accumulation, 115B25:472–474, 480–485,
 490–492
 cerium anomalies, 115B39:709–713
 chronostratigraphy, 115B15:183–184, 187
 clinoptilolite, 115B37:687–689, 694
 clinopyroxenes, 115B3:32
 coring, 115A2:18–19; 5:233, 237, 239
 crustal alteration, 115B34:642–643
 crystallization, 115B10:105–106
 Deccan basalts correlation, 115B5:60
 deep-sea hiatuses, 115B23:423–425
 deepwater and bottom water stratification,
 115B20:336, 340–348
 depositional setting, 115A5:244
 dissolution, 115A1:11–13; 7:462; 115B37:687, 693
 dolostone, 115A5:243
 early diagenesis, 115B41:755–756, 758, 760, 765–767
 geochemical stratification, 115B6:63–68
 geochemistry, 115A1:13; 2:35–36; 5:259–260, 271,
 274; 115B1:8–9; 2:13–21; 3:25–26; 30, 35–37;
 9:93–94, 97–98; 10:104; 34:634–635
 geologic column, 115A1:8; 5:235
 grain size and textures, 115B10:106, 108–110
 hotspots, 115A1:5–9, 12; 115B1:3–5; 11:116–117
 incompatible element ratios, 115B2:13, 15–18
 iron-titanium oxides, 115B10:104–105
 lithoporosity, 115A5:274
 lithostratigraphy, 115A5:240–244; 115B9:94; 37:679
 lithotypes, 115B37:681
 location, 115B5:53; 9:93; 37:679
 magma formation genetic relationships, 115B7:77
 magnesium number, 115B3:32
 magnetic properties, 115A2:34–35; 3:46; 5:252–259,
 264, 271, 272; 115B10:104–106; 11:112–116;
 40:723
 magnetostratigraphy, 115A3:32, 34; 115B23:419–423;
 25:469
 major and trace elements, 115B7:73–77
 melting-phase relations, 115B6:66–67
 mineral fractionation, 115B7:80–81
 mineralogy, 115A5:271; 115B3:30–31, 35–37, 40–41;
 4:45; 9:95
 Miocene, 115B20:342–344
 Miocene–Pleistocene, 115B20:370–372
 modal abundance, 115B10:105
 nannofossil limestone, 115A5:243
 navigation, 115A3:43, 53
 Neogene, 115B15:185; 25:472, 505; 45:795–800, 804–
 807, 828
 noble metals, 115B7:71–83
 noncarbonated fraction, 115B37:684
 Oligocene–Pliocene, 115B20:322–325, 328–336
 opaque minerals, 115A5:264; 115B3:29
 oxygen isotopes, 115B9:97
 paleoceanography, 115A2:9–14; 115B23:425–430
 paleoclimatic events, 115B20:318, 322
 Paleogene, 115B14:132, 134, 136–144; 19:277–280,
 283–288; 24:433–442; 25:473, 506–507
 paleogeographic reconstruction, 115B1:5–7
 paleolatitude, 115A12:919, 928; 115B1:7–8; 11:116
 petrography, 115A5:263–265; 10:756; 115B10:104
 physical properties, 115A2:38–39; 5:265–283, 287–
 288
 pipe-rust contamination, 115B41:753, 755, 762–765,
 767–768
 plagioclase phenocrysts, 115B3:31
 plate tectonics, 115A1:5–9
 platinum-group elements, 115B7:80, 82
 pore water chemistry, 115B17:259–260, 264–265;
 34:630–635, 641
 pressure-temperature conditions, 115B6:67–68
 pyroxenes, 115B3:39
 quartz, 115B37:684
 Quaternary, 115B14:131
 recrystallization, 115B34:636–637, 639–642
 redox and carbon flux data, 119B21:402
 sedimentation, 115A1:11–13; 5:259, 261–262;
 115B25:470
 sediments, 115A2:22–25; 5:261–263, 268–271
 seismic stratigraphy, 115A3:44–47, 53–59; 5:272, 274,
 284–285; 115B43:784
 sources, 115B5:54
 stable isotopes, 115B5:55–60; 9:95–96
 stratigraphy, 115B25:470–471
 strontium isotopes, 115B34:630–631, 634–636, 638
 subsidence history, 115B13:123–126
 temperature, 115B9:98
 thermal structure, 115B6:68
 trace elements, 115B9:96–97

volcanic glass, 115B3:25
 water circulation, 115A2:14
 well-logging, 115A2:39–40; 5:286
 winnowing, 121B15:309

Site 708

acoustic impedence, 115A6:426
 age models, 115B25:469–470
 aragonite, 115B34:635
 basement, 115A2:17–38
 bathymetry, 115A1:6, 10; 3:46; 6:402, 404, 430;
 115B2:12; 14:144–147; 25:486; 33:622
 biochronology, 115B15:183
 biostratigraphy, 115A2:26–32; 6:406–419;
 115B15:177–183, 198; 16:238–248; 19:277–279,
 288; 22:395–396, 401, 403–405; 23:415, 417–
 419; 25:469; 33:623–625; 45:795–800, 808–809,
 828
 bulk sediment accumulation, 115A6:403;
 115B25:474–476, 480–485, 492–494
 carbonate compensation depth, 115B25:485–487
 carbonates, 115A6:420–422, 424; 8:609; 9:685;
 115B41:741–743
 cerium anomalies, 115B39:709–713
 chronostratigraphy, 115B15:183–184, 198
 coring, 115A2:18–19; 6:403, 405–406
 crustal alteration effects, 115B34:642–643
 deep-sea hiatuses, 115B23:423–425
 deepwater and bottom water stratification,
 115B20:336, 340–348
 dissolution, 115A1:11–14
 early diagenesis, 115B41:755–756, 758, 760, 765–767
 geochemistry, 115A2:35–36; 6:414, 416–417;
 115B1:8–9
 geologic column, 115A2:8
 hotspots, 115A1:5–9; 115B1:3–5
 lithostratigraphy, 115A6:405–406; 9:677; 115B41:757
 location, 115A6:401; 115B33:622
 magnetic properties, 115A2:34–35; 3:46; 6:413–414;
 8:603; 115B40:723–724; 41:739–740;
 116B26:318
 magnetostratigraphy, 115A2:32, 34; 115B23:419–423;
 25:469
 mineralogy, 115A6:419
 navigation, 115A3:43
 Neogene, 115B15:189; 25:505
 Oligocene–Pliocene, 115B20:322–325, 328–336
 paleoceanography, 115A1:9–14; 115B23:425–430
 paleoclimatic events, 115B20:318, 322
 Paleogene, 115B14:135, 141, 144–145; 24:433–442;
 25:506–507
 paleolatitude, 115B1:7–8
 periplatform oozes, 115A1:13–14
 physical properties, 115A2:38–39; 6:417–420, 422–
 425, 427, 429
 plate tectonics, 115A1:5–9
 Pliocene–Pleistocene, 115B25:505
 pore water chemistry, 115A6:414, 416, 418, 427–428;
 115B34:630–634
 Quaternary, 115B14:131
 recrystallization, 115B34:636–637, 639–642
 redox and carbon flux data, 119B21:402

sediment classification, 115A2:22–25
 sedimentation rates, 115A1:11–13; 6:414, 416;
 115B25:470–473
 sedimentology, 115B33:625
 seismic stratigraphy, 115A3:44–47, 60–63; 6:422, 431–
 432
 solid geochemistry, 115B34:634–635
 stratigraphy, 115A6:403; 115B25:470–471
 strontium isotopes, 115B34:630–631, 634–636, 638
 subsidence history, 115B13:123–126
 turbidite distribution, 115A6:407
 turbidites, 115A6:406
 volcanic ash, 115A9:671
 water circulation, 115A1:14
 well-logging, 115A2:39–40

Site 709

age models, 115B25:469–470
 barite, 115B32:611, 615, 617–618; 37:687–688
 basement, 115A2:36–38
 bathymetry, 115A1:6, 10; 3:46; 4:144–147; 7:460,
 463, 502; 115B2:12; 37:680
 biochronology, 115B15:183
 biogenic opal, 115B37:684–687
 biostratigraphy, 115A2:26–32; 7:467–474, 483;
 115B15:177–183, 190, 191; 16:238–248;
 17:255–265, 267–268; 19:277–279, 288–290,
 292–297; 22:395–398, 401–405; 23:415, 417–
 419, 423–430; 24:433–439, 444–448; 25:469;
 27:519–520, 524, 526; 32:611–612, 616–618;
 45:795–800, 810–813, 828; 121B11:242;
 130B13:250; 138B21:486, 488
 cadmium/calcium ratios, 115B32:611–612, 615–618
 carbon isotopes, 121B11:242, 244, 248–251
 carbonate accumulation, 115A7:461–462; 8:591;
 115B25:475–477, 480–485, 494–497; 26:509–
 510, 516
 carbonate compensation depth, 115B25:485–487
 carbonates, 115A1:11–13; 7:461–462, 486–489, 495;
 8:603, 609; 9:685; 15B25:470–471; 486; 26:510–
 515; 36:662–674; 37:682; 41:741–743; 42:773–
 777
 cerium anomalies, 115B39:709–713
 chronostratigraphy, 115B15:183–184, 191
 clinoptilolite, 115B37:687–689
 coring, 115A2:18–19; 7:462, 464–465
 crustal alteration effects, 115B34:642–643
 deepwater and bottom water stratification,
 115B20:336, 340–348
 dissolution structures, 115B37:687
 Gassmann's theory, 115B42:775–776
 geochemistry, 115A2:35–36; 7:479–481; 115B33:616–
 617, 34:634–635
 geologic column, 115A1:8
 heat flow, 115A7:489–490, 493
 hotspots, 115A1:5–9; 115B1:3–5, 8–9
 insoluble residues, 115B32:611–612, 615, 617–618
 iron, 115B36:669
 lithostratigraphy, 115A7:465–467; 9:677; 115B37:678;
 41:745–747, 757–758
 lithotypes, 115B37:682
 location, 115B37:679; 126B17:264

- magnesium, 115B34:642–643; 36:669, 671–672
 magnetostratigraphy, 115A2:32, 34–35; 3:46; 7:474–478, 480–482; 9:671; 115B23:419–423; 25:469; 40:723–726, 735–736; 41:750–752, 755–756, 758, 760, 765–767
 Miocene, 115B20:358–360
 Miocene–Pliocene, 115B20:374–376
 navigation, 115A3:43, 64
 Neogene, 115B15:185–186; 25:505
 Oligocene, 115B20:340–341
 Oligocene–Pliocene, 115B20:322–325, 328–336
 organic carbon, 115A7:486, 490
 oxygen isotopes, 115B28:530–538; 32:618; 121B11:242–243, 246–249
 pale green laminations, 115A7:467
 paleoceanography, 115A2:9–14
 paleoclimatic events, 115B20:318, 322
 Paleogene, 115B14:135, 141, 144, 146–150; 25:506–507
 paleolatitude, 115B1:7–8
 physical properties, 115A2:38–39; 7:481–484, 489–505
 plate tectonics, 115A1:5–9
 Pleistocene cyclicity, 115B32:611, 613, 616
 pore water chemistry, 115A7:479–481, 484, 486; 115B34:630–634
 quartz, 115B37:684
 Quaternary, 115B14:131
 recrystallization, 115B34:636–637, 639–642
 redox and carbon flux data, 119B21:402
 remagnetization effect, 115A7:475–476, 478
 sediment classification, 115A2:22–25
 sedimentation rates, 115A1:11–13; 7:478–479, 483; 115B25:470, 472–473; 121B11:242
 seismic stratigraphy, 115A3:44–47, 65–67; 7:489, 503
 stable isotopes, 115B27:519–525, 527–528
 stratigraphic summary, 115A7:461
 stress in carbonate sediments, 115B42:773–777
 strontium isotopes, 115B34:630–631, 634–637
 subsidence history, 115B13:123–126
 volcanic ash, 115A7:461, 467; 9:671
 water circulation, 115A1:14
 well-logging, 115A2:39–40
- Site 710
 age models, 115B25:469–470
 basement, 115A2:36–38
 bathymetry, 115A1:6, 10; 3:46; 8:590, 592, 626; 115B2:12; 14:144–147; 25:486
 between-hole correlation, 115B15:193
 biochronology, 115B15:183
 biomagnetostratigraphy, 115B16:248
 biostratigraphy, 115A2:26–32; 8:597–602, 611; 115B15:177–183, 194; 16:238–248; 19:277–279, 289, 291, 298–299; 22:395–396, 399, 402–405; 23:415, 417–419; 25:469; 45:795–800, 814–815, 829; 130B13:251; 138B21:489
 calcium, 115A8:613; 115B34:641, 642–643
 carbonate accumulation, 115A8:591; 115B26:510, 516–518
 carbonate compensation depth, 115B25:485–487
 carbonates, 115A8:589, 594–595, 614–615, 620; 9:685; 115B25:470–471, 476–478, 480–485, 497–500; 26:510–511, 513–514; 32:617; 41:741–743
 cerium anomalies, 115B39:709–713
 chronostratigraphy, 115B15:183–184, 194
 color changes, 115A8:593–594
 coring, 115A1:8–19; 7:464; 8:591, 593
 crustal alteration effects, 115B34:642–643
 deep-sea hiatuses, 115B23:423–425
 deepwater and bottom water stratification, 115B20:336, 340–348
 dissolution, 115A1:11–13; 115B26:514–515
 geochemistry, 115A2:35–36; 8:609; 115B1:8–9; 34:634–635
 geologic column, 115A1:8
 hotspots, 115A1:5–9; 115B1:3–5
 lithostratigraphy, 115A8:589, 593–597, 606; 9:671, 677; 115B41:757, 759–760, 764
 location, 115A8:589
 magnetostratigraphy, 115A2:32, 34–35; 3:46; 8:589, 602–609; 9:671, 760; 115B23:419–423; 25:469; 40:726–729, 735–736; 41:741, 752–753, 755–756, 758, 760, 765–767; 121B11:245
 microfaults, 115A8:596
 Miocene biochronology, 115B18:272–275
 navigation, 115A3:43, 68
 Neogene, 115B15:185–186, 188–189; 20:362–363; 25:472, 505–506
 Oligocene, 115B20:337
 Oligocene–Pliocene, 115B20:322–325, 328–329, 336
 organic carbon, 115A8:616–617
 paleoceanography, 115A1:9–14; 115B23:425–430
 paleoclimatic events, 115B20:318, 322
 Paleogene, 115B14:138, 141, 144, 152–153; 24:433–439, 444–448; 25:473, 507
 paleolatitude, 115B1:7–8; 40:734–735
 physical properties, 115A2:38–39; 8:609–613, 618–625; 115B26:511–512
 pipe-rust contamination, 115B41:764
 plate tectonics, 115A2:5–9
 Pliocene–Pleistocene, 115B25:471, 505
 pore water chemistry, 115A8:612; 115B34:630–634
 Quaternary, 115B14:131
 recrystallization, 115B34:636–637, 639–642
 redox and carbon flux data, 119B21:402
 sediment classification, 115A2:22–25
 sedimentation rates, 115A1:11–13; 8:609–611; 115B25:470
 seismic stratigraphy, 115A3:44–47, 69; 8:613, 627
 slumping, 115A8:595–596
 stratigraphic summary, 115A8:591
 strontium isotopes, 115B34:630–631, 634–636, 638
 subsidence history, 115B13:123–126
 water circulation, 115A1:14
 well-logging, 115A2:39–40
- Site 711
 age models, 115B25:469–470
 aragonite, 115B34:635
 barite, 115B37:687–688
 basement, 115A2:36–38

bathymetry, 115A1:6, 10, 46; 9:658, 660, 695;
 115B2:12; 14:144–147; 25:486
 between-hole correlation, 115A9:671, 674;
 115B15:200
 biochronology, 115B15:183
 biogenic opal, 115B37:684–687
 biomagnetostratigraphy, 115B16:248
 biostratigraphy, 115A2:26–32; 9:664–669, 678;
 15:177–183, 201; 16:238–248; 22:403–405;
 23:415, 417–419; 25:469, 486, 495;
 120B(2)47:892
 calcium, 115A9:680; 115B34:641–643
 carbonate accumulation, 115A9:657–658;
 115B25:477–485, 500–502; 26:510, 518
 carbonate compensation depth, 115B25:485–487
 carbonates, 115A9:682–685, 688; 115B26:510–511;
 37:683; 41:741–743
 Cenozoic, 115B22:395–396, 400, 402–403
 cerium anomalies, 115B39:709–713
 chert, 115B37:697–698
 chronostratigraphy, 115B15:183–184, 201
 climatic controls, 115B41:760–763, 768
 clinoptilolite, 115B37:687–689
 coring, 115A2:18–19; 9:661
 deep-sea hiatuses, 115B23:423–425
 deepwater and bottom water stratification,
 115B20:336, 340–348
 dissolution, 115A1:11–13; 115B26:514–515; 37:687
 early diagenesis, 115B41:755–756, 758, 760, 765–767
 geochemistry, 115A2:35–36; 9:674; 115B1:8–9; 39:711
 geologic column, 115A1:9
 hotspots, 115A1:5–9; 115B1:3–5
 lithology, 115B37:678; 120B(2)55:981
 lithostratigraphy, 115A9:657, 661–664; 675, 677;
 115B41:747–750, 757, 763–764
 lithotypes, 115B37:683
 location, 115B37:679
 magnesium, 115A9:680
 magnetic properties, 115A2:34–35; 3:46; 9:669–674,
 676, 678; 115B40:728–733; 41:740, 752
 magnetostratigraphy, 115A2:32, 34; 115B23:419–423;
 25:469; 40:732, 735–736
 navigation, 115A3:43, 70
 Neogene, 115B15:189–190, 192, 195; 25:472, 506;
 38:701–706; 45:795–800, 816, 829
 noncarbonated fraction geochemistry, 115B37:686
 objectives, 115A9:659, 661
 Oligocene–Pliocene interval, 115B20:322–325, 328–
 336
 orbital forcing effects, 115B41:767
 organic carbon, 115A9:682, 685
 paleoceanography, 115A1:9–14; 115B23:425–430
 paleoclimatic events, 115B20:318, 322
 Paleogene, 115B14:138–139, 141, 144, 154–158;
 19:277–279, 291; 24:433–439, 444–448; 25:473,
 507
 paleolatitude, 115B1:7–8; 40:734–735
 pelagic-turbidite layer, 115A9:664
 physical properties, 115A2:38–39; 9:676, 678–680,
 686–693; 115B26:511–512
 plate tectonics, 115A1:5–9

Pliocene–Pleistocene interval, 115B25:471, 505
 porcellanite, 115B37:696
 pore water chemistry, 115A9:679; 115B34:630–634,
 643
 productivity history, 115B26:513–514
 quartz, 115B37:684
 Quaternary, 115B14:131
 recrystallization, 115B34:636–637, 639–642
 redox and carbon flux data, 119B21:402
 sediment classification, 115A2:22–25
 sediment mass accumulation rates, 115B38:705–707
 sedimentation rates, 115A1:11–13; 9:674; 115B25:470
 seismic reflection profiling, 115A3:44–45, 71–72;
 9:696
 seismic stratigraphy, 115A3:46–47
 Sites 708–710 correlation, 115A9:674
 solid geochemistry, 115B34:634–635
 stratigraphy, 115A9:659; 115B25:470–471
 strontium isotopes, 115B34:630–631, 634–636, 638–
 639
 subsidence history, 115B13:123–126
 water circulation, 115A1:14
 well-logging, 115A2:39–40

Site 712

basalt magnetic properties, 115A10:747
 basement, 115A2:36–38; 10:751–754
 bathymetry, 115A1:6, 10; 3:46; 10:767; 115B2:12;
 14:144–147
 biochronology, 115B15:183
 biostratigraphy, 115A2:26–32, 10:740–746, 751;
 115B15:177–183; 22:403–405; 23:415, 417–419
 carbonates, 115A10:753, 761
 Cenozoic, 115B22:395–396, 403
 cerium anomalies, 115B39:709–713
 chronostratigraphy, 115B15:183–184
 coring, 115A2:18–19; 10:735–737
 crustal alteration effects, 115B34:642–643
 deep-sea hiatuses, 115B23:423–425
 deepwater and bottom water stratification,
 115B20:336, 340–348
 dissolution, 115A1:11–13
 geochemistry, 115A2:35–36; 10:749–751; 115B1:8–9;
 34:634–635
 geologic column, 115A1:9
 hotspots, 115A1:5–9; 115B1:3–5
 lithostratigraphy, 115A10:733, 737–740
 location, 115A10:734
 magnetic properties, 115A2:34–35; 3:46; 10:746–748;
 115B40:730
 magnetostratigraphy, 115A2:32, 34; 115B23:419–423
 navigation, 115A3:43, 73
 Neogene, 115B15:197; 45:795–800, 817–818, 829
 Oligocene–Pliocene interval, 115B20:322–325, 328–
 336
 organic carbon, 115A10:754
 paleoceanography, 115A1:9–14; 115B23:425–430
 paleoclimatic events, 115B20:318, 322
 Paleogene, 115B14:139, 141, 144, 160–161; 19:277–
 279, 291; 24:433–439
 paleolatitude, 115B1:7–8

- physical properties, 115A2:38–39; 10:756–757, 760–763
- pipe-rust contamination, 115B41:753, 755
- plate tectonics, 115A1:5–9
- pore water chemistry, 115A10:749–751, 753; 115B34:630–634
- recrystallization, 115B34:637, 639–642
- sedimentation rates, 115A1:11–13; 10:748–750
- sediments, 115A2:22–25; 115B34:634–636, 638–639
- seismic stratigraphy, 115A3:44–47, 74–76; 10:758–759, 768
- stratigraphic summary, 115A10:735
- strontium isotopes, 115B34:630
- water circulation, 115A1:14
- well-logging, 115A2:39–40
- Site 713
 - alteration, 115B3:31; 44:791–792
 - anorthite content, 115B3:36
 - argon geochronology, 115B4:46–50
 - basalts, 115A1:9; 115B10:105
 - basement, 115A2:36–38; 10:751–754; 121B38:770
 - bathymetry, 115A1:6, 10; 3:46; 10:767; 115B2:12; 6:64; 11:111; 14:144–147
 - biochronology, 115B15:183
 - biostratigraphy, 115A2:26–32; 10:740–746, 751; 115B15:177–183; 19:277–279, 291; 22:395–396, 403–405; 23:417–419; 34:636–637, 639–642; 45:795–800, 819, 829
 - calcium, 115A10:753; 115B34:642–643
 - carbonates, 115A10:754, 764
 - cerium anomalies, 115B39:709–713
 - chromite fractionation, 115B7:80
 - chronostratigraphy, 115B15:183–184
 - clinopyroxenes, 115B3:34
 - coring, 115A2:18–19; 10:735–737
 - crystallization, 115B10:105–106
 - deep-sea hiatuses, 115B23:423–425
 - deepwater and bottom water stratification, 115B20:336, 340–348
 - dissolution, 115A1:11–13
 - geochemistry, 115A1:13; 2:35–36; 10:749–751; 115B1:8–9; 2:18–21; 3:25–26, 31, 37–39; 6:63–68; 10:104
 - geologic column, 115A1:9
 - grain size and textures, 115B10:106, 108–110
 - hotspots, 115A1:5–9, 12; 10:736; 115B1:3–5; 11:116–117; 121B38:771–773, 776
 - incompatible element ratios, 115B2:13, 15–18
 - iron-titanium oxides, 115B10:104–105
 - lithostratigraphy, 115A10:734, 737–740
 - location, 115A10:734; 115B5:53
 - magma formation genetic relationships, 115B7:77
 - magnesium, 115A10:753; 12:927; 115B3:36; 34:630, 642–643
 - magnetic properties, 115A2:34–35; 3:46; 10:746–749, 756; 115B10:104–106; 11:112–116; 40:730; 41:755–756, 758, 760, 765–767
 - magnetostratigraphy, 115A2:32, 34; 115B23:419–423
 - major and trace elements, 115B7:73–77
 - melting-phase relations, 115B6:66–67
 - microfaults, 115A10:740–741
 - mineralogy, 115B3:31–32, 37–41, 45
 - modal abundance, 115B10:105
 - navigation, 115A3:43
 - Neogene, 115B15:197; 20:364–366
 - noble metals, 115B7:71–83
 - Oligocene–Pliocene, 115B20:322–325, 328–336
 - opaque minerals, 115B3:29
 - organic carbon, 115A10:754
 - paleoceanography, 115A1:9–14; 115B23:425–430
 - paleoclimatic events, 115B20:318, 322
 - Paleogene, 115B14:140–141, 144, 162–164; 24:433–439, 452–456
 - paleogeographic reconstruction, 115B1:5–7
 - paleolatitude, 115A12:919, 928; 115B1:7–8; 11:116; 121B39:810
 - petrography, 115A10:755–756; 115B10:104
 - phenocrysts, 115B3:33, 36
 - physical properties, 115A2:38–39; 10:757–758, 760, 762–766
 - plate tectonics, 115A1:5–9
 - platinum-group elements, 115B7:80, 82
 - pore water chemistry, 115A10:749–752; 115B34:630–634
 - pressure-temperature conditions, 115B6:67–68
 - pyroxenes, 115B3:39
 - recrystallization, 115B34:636–637
 - redox and carbon flux data, 119B21:402
 - sediment classification, 115A2:22–25
 - sedimentation rates, 115A1:11–13; 10:748–749
 - seismic stratigraphy, 115A3:44–47; 10:758–759, 768
 - silicate mineral fractionation, 115B7:81
 - solids, 115B34:634–635
 - stratigraphic summary, 115A10:735
 - strontium isotopes, 115B34:630, 634–636, 638–639
 - sulfide fractionation, 115B7:80–81
 - thermal structure, 115B6:68
 - volcanic ash, 115A10:739–740
 - volcanic glass, 115B3:25
 - water circulation, 115A1:14
 - well-logging, 115A2:39–40
 - Site 714
 - aragonite dissolution, 115A1:13–14
 - basement, 115A2:36–38
 - bathymetry, 115A1:6, 10; 3:46; 11:848, 875; 115B2:12
 - biostratigraphy, 115A2:26–32; 11:852–856, 859; 115B14:140–141, 144–147, 166–167; 15:177–184, 199, 201, 203–204, 206, 208; 16:238–248; 19:277–279, 291–292, 304–307; 20:322–325, 328–336, 340–348, 352–356; 21:386–387; 22:395–396, 403; 23:417–419, 423–425; 24:433–439, 452–456; 31:590–595, 597–604; 45:795–800, 820–823, 829; 130B13:248; 138B21:482–483, 485, 487
 - calcium crustal alteration effects, 115B34:642–643
 - carbonate compensation depth, 115B25:485–487
 - carbonates, 115A1:11–13; 11:863–865, 869; 115B29:543, 545
 - chronostratigraphy, 115B29:547, 549–551
 - coring, 115A2:18–19; 11:848–849
 - crustal alteration effects, 115B34:642–643

- geochemistry, 115A2:35–36; 11:857–859; 115B1:8–9; 34:634–635
- geologic column, 115A1:9
- hotspots, 115A1:5–9; 115B1:3–5
- lithostratigraphy, 115A11:847–852; 12:922; 115B41:745
- location, 115A11:847
- magnesian calcite, 115B29:546, 551
- magnetic properties, 115A2:34–35; 3:46; 11:856–858; 115B40:731; 41:755–756, 758, 760, 765–767
- magnetostratigraphy, 115A2:32, 34; 115B23:419–423
- methane, 115A11:866
- navigation, 115A3:43, 77
- organic carbon, 115A11:865
- oxygen isotopes, 115B29:547, 551–559, 575; 31:597–604
- paleoceanography, 115A1:9–14; 115B23:425–430
- paleoclimatic events, 115B20:318, 322
- paleolatitude, 115B1:7–8
- periplatform oozes, 115A1:13–14
- physical properties, 115A2:38–39; 11:859–860, 867–876
- plate tectonics, 115A1:5–9
- Pliocene–Pleistocene cyclicality, 115B29:539–541
- pore water chemistry, 115A11:857–858, 860, 862–863; 115B34:630–634
- recrystallization, 115B34:637, 639–642
- redox and carbon flux data, 119B21:402
- sediment classification, 115A2:22–25
- sedimentation rates, 115A1:11–13; 11:857, 859; 115B25:507
- seismic stratigraphy, 115A3:44–47, 78–82; 11:860, 876–878
- stable isotopes, 115B31:592–593, 595–597
- stratigraphic summary, 115A11:849
- strontium isotopes, 115B34:630, 634–636, 638–639
- supercycle global occurrence, 115B29:562–565
- water circulation, 115A1:14
- well-logging, 115A2:39–40
- Site 715
- alteration, 115B3:33; 9:93–94
- anorthite, 115A1:13–14; 115B3:38
- argon geochronology, 115B4:46–50
- basalts, 115A1:9; 115B9:98, 10:105
- basement, 115A2:36–38; 12:928, 930–933; 121B38:770
- bathymetry, 115A1:6, 10; 3:46; 12:917, 943; 115B2:12; 6:64; 11:111; 14:144–147
- biochronology, 115B15:183
- biostratigraphy, 115A2:26–32; 12:922–925, 928; 115B15:177–183, 210; 16:238–248; 20:336, 340–348; 21:381–386; 22:403–405; 23:417–419, 423–425; 45:795–800, 824–825, 829
- carbon isotopes, 115B9:97
- chromite fractionation, 115B7:80
- chronostratigraphy, 115B15:183–184, 210
- clinopyroxenes, 115B3:38
- coring summary, 115A2:18–19; 12:917, 919, 921
- crustal alteration effects, 115B34:642–643
- crystallization, 115B10:105–106
- dissolution, 115A1:11–13
- geochemistry, 115A1:13; 3:35–36; 12:934, 936, 928; 115B1:8–9; 2:18–21; 3:26, 33; 10:104
- geologic column, 115A1:9; 12:918
- grain size and textures, 115B10:106, 108–110
- hotspots, 115A1:5–9, 12; 12:921, 927–928; 115B1:3–5; 121B38:772–773, 776
- hypothetical thermal subsidence curve, 115A12:918
- incompatible element ratios, 115B2:13, 15–18
- iron-titanium oxides, 115B10:104–105
- lithostratigraphy, 115A12:917–918, 921–922, 933; 115B9:94
- location, 115A12:917; 115B5:53; 9:93
- magma formation genetic relationships, 115B7:77
- magnesium number, 115B3:39
- magnetic properties, 115A2:34–35; 3:46; 12:925–928, 934–936; 115B10:104–106, 114–116; 40:731, 733; 41:755–756, 758, 760, 765–767; 121B39:869
- magnetostratigraphy, 115A2:32, 34; 115B23:419–423
- major and trace elements, 115B7:73–77
- mantle processes and noble metals, 115B7:81–82
- melting-phase relations, 115B6:66–67
- mineralogy, 115B3:33, 40–41; 4:45, 95
- Miocene, 115B20:346–348
- modal abundance, 115B10:105
- models, 115B11:116–117
- navigation, 115A3:43, 77
- Neogene, 115B15:201–204, 206
- noble metals, 115B7:71–83
- Oligocene–Pliocene, 115B20:322–325, 328–336
- olivines, 115B3:38
- opaque minerals, 115B3:29
- organic carbon, 115A12:930
- oxides, 115A12:949
- oxygen isotopes, 115B9:97
- paleoceanography, 115A1:9–14; 115B23:425–430
- paleoclimatic events, 115B20:318, 322
- Paleogene, 115B14:140–141, 144; 24:433–439
- paleogeographic reconstruction, 115B1:5–7
- paleolatitude, 115A12:919, 928; 115B1:7–8; 11:116; 121B39:810
- periplatform oozes, 115A1:13–14
- petrography, 115A12:932, 934; 115B10:104
- physical properties, 115A2:38–39; 12:936, 938–940
- plagioclase phenocrysts, 115B3:37
- plate tectonics, 115A1:5–9; 12:921
- platinum-group elements, 115B7:80, 82
- pore water chemistry, 115A12:928–930; 115B34:630–634
- pressure-temperature conditions, 115B6:67–68
- pyroxenes, 115B3:39
- recrystallization, 115B34:637, 639–642
- redox and carbon flux data, 119B21:402
- secondary carbonate geochemistry, 115B9:93–94, 97–99
- sediment classification, 115A2:22–25
- sedimentation rates, 115A1:11–13; 12:928–929
- seismic stratigraphy, 115A3:44–47, 78–82; 12:937–938, 944–945
- silicate mineral fractionation, 115B7:81
- solid geochemistry, 115B34:634–635

stable isotopes, 115B5:55–60; 9:96
strontium isotopes, 115B34:630, 634–636, 638–639
sulfide fractionation, 115B7:80–81
thermal structure, 115B6:68
trace elements, 115A12:950
true polar wander, 115A12:919, 921
water circulation, 115A1:14
well-logging, 115A2:39–40; 12:938–945, 947–948;
115B6:63–68

Site 716

basement, 115A2:36–38
bathymetry, 115A1:6, 10; 3:46; 13:1006, 1017;
115B2:12
biostratigraphy, 115A2:26–32; 13:1008–1011, 1013;
115B14:131–132; 15:206; 23:417; 45:795–800,
826–827, 829
burial diagenesis, 115B35:656–657
calcium, 115B34:641
carbonates, 115A1:11–13; 13:1015–1016; 115B29:543,
545
celestite, 115B34:631
cerium anomalies, 115B39:709–713
chronostratigraphy, 115B29:547, 549–551
coring, 115A2:18–19; 13:1005–1008
crustal alteration effects, 115B34:642–643
dissolution, 115A1:13–14; 121B15:312
geochemistry, 115A2:35–36; 13:1012–1013; 115B1:8–
9; 35:648–654; 133B48:716
geologic column, 115A1:9
hotspots, 115A1:5–9; 115B1:3–5
hydrocarbon gases, 115A13:1015–1016
lithostratigraphy, 115A13:1008
location, 115A13:1005; 115B30:579; 35:648
magnesian calcite, 115B29:546, 551
magnetic properties, 115A2:34–35; 3:46; 13:1011–
1012; 115B40:733–734; 41:755–756, 758, 760,
765–767
magnetostratigraphy, 115A2:32, 34
mineralogy, 115B35:648
navigation, 115A3:43, 83
organic carbon, 115A13:1015–1016
oxygen isotopes, 115B29:546–547, 551–559; 568–574
paleoceanography, 115A1:9–14
paleolatitude, 115B1:3–7
periplatform sediments, 115A1:13–14; 115B35:654,
647–658
physical properties, 115A2:38–39; 13:1013–1016
pipe-rust contamination, 115B41:753, 755
plate tectonics, 115A1:5–9
Pliocene–Pleistocene cyclicality, 115B29:539–541
pore water chemistry, 115A13:1012–1015;
115B34:630–634
preservation, 115B30:582, 584, 587–588
Quaternary, 115B30:584–585
recrystallization, 115B34:636–637
sea-surface temperature, 115B30:585–587
seafloor cementation, 115B35:655–656
sedimentation, 115A1:11–13; 13:1012
sediments, 115A2:22–25; 115B34:634–636, 638–639;
35:654–655

seismic stratigraphy, 115A3:44–45, 46–47, 84–85;
13:1016, 1018
solid geochemistry, 115B34:634–635
stable isotopes, 115B35:580–582, 650–655
stratigraphic summary, 115A13:1007
strontium concentration, 115B35:654
supercycle global occurrence, 115B29:562–565
water circulation, 115A1:14
well-logging, 115A2:39–40

Site 717

amino acids, 116B12:141–144
bathymetry, 116A3:29, 37; 7:198, 200, 204–205, 208–
209; 116B3:26; 15:167; 17:207–212; 22:267;
23:281; 26:318; 31:378; 32:398
biogenic sedimentation, 116B2:15–19; 3:26–29; 5:47,
49, 51
biostratigraphy, 116A4:51–58, 79–80; 116B2:15–18,
22; 3:26, 29; 8:94; 15:165–175, 186–187;
16:189–204, 206; 18:213–222, 224–229, 235;
19:239–241; 20:243–244, 246–247; 32:402
carbonates, 116A4:49, 59–61, 66, 80; 116B11:135–139
characteristics, 116A2:14
clay mineralogy, 116B4:35–38, 40
coring, 116A2:13; 4:45–46, 48; 116B1:6–8
depositional history, 116B3:26–28, 30–33; 5:43, 54–
57; 7:81–84; 117A8:169
eustatic sea level curve, 116B32:406–407, 411
geochemistry, 116B32:402–412
grains, 116A4:49, 75–80; 116B3:28, 30–31; 8:94–100,
104–106, 109–110, 113; 26:322, 324, 331–335;
32:406; 33:417–420
heat flow, 116A4:74, 81, 87–88; 7:208–210; 116B7:78,
80–81; 28:347–348, 350–358
hydrocarbon gases, 116A4:57–58
inorganic geochemistry, 116A4:58–61, 80;
116B34:421, 423
isotopic oxygen/hydrogen ratio, 116B10:127–132
lipids, 116B14:155–160
lithofacies, 116B3:25–28, 31–33
lithostratigraphy, 116A4:48–51, 53, 79; 6:187;
116B1:8, 9–13; 2:15, 17; 4:40; 7:76; 10:129–132;
26:320–321; 28:346, 348; 29:363–364; 31:379–
390; 32:400–401
magnetic properties, 116A3:29, 38–42; 4:61–63, 66–
74, 81; 7:202; 116B3:29–30; 26:317–335;
27:337–344
magnetostratigraphy, 116A4:63
mineralogy, 116B4:35–40; 5:44–51; 6:59–72
navigation, 116A3:29, 30–36
organic carbon, 116B12:141–144; 14:155–160
organic geochemistry, 116A4:57–58, 60–61, 80;
116B12:141–144; 14:155–160
palynology, 116B21:249–253
physical properties, 116A4:70–82, 85–86; 116B3:28–
29, 31; 7:75–82; 25:311–315; 26:322–323, 325;
29:365–368; 35:312, 315
Pleistocene climatic evolution, 116B21:249–253
pore water chemistry, 116A4:58–67, 80; 116B2:18;
9:118–121, 123; 10:128, 130–132; 28:348;
34:421–422
procedures, 116A2:14–27

- pyrite, 116A4:49–50
- redox and carbon flux data, 119B21:402
- Rock-Eval pyrolysis, 116A4:58, 62–63
- sediment mass accumulation rates, 116A4:57;
 116B2:19–22; 3:27–28, 30, 32–33; 5:57; 15:186–
 187; 28:346, 348
- sedimentology, 116A4:48–51; 116B1:8–13; 5:43–57;
 6:65–72; 31:390–392, 394, 395
- seismic stratigraphy, 116A3:29; 4:48, 74–75, 79, 87,
 89; 7:198–200, 206–207; 116B15:166; 16:204;
 18:214; 22:263; 23:281, 283; 25:311–315;
 28:346; 29:365; 31:379; 32:399–400, 410
- site correlation, 116A6:186–187; 116B26:318
- slump deposits, 116B31:392–393
- stress folds, 121A1:22
- summary, 116A4:50–51
- synthesis, 116B18:226–229
- tectonic uplift, 116A4:83; 116B8:93, 100–103, 111;
 29:364–365; 31:393–395; 32:398–399
- well-logging, 116A4:79
- Site 718
 - amino acids, 116B12:141–144
 - bathymetry, 116A5:97; 7:198, 200, 204–205, 208–209;
 116B3:26; 15:167; 22:267; 23:281; 26:318;
 31:378; 32:398
 - biogenic structures, 116B2:15–20, 22; 3:26–29; 5:47,
 49, 51
 - biostratigraphy, 116A5:98–104, 129; 116B2:15–18;
 3:26, 29; 8:94; 15:165–167, 175–181, 186–187;
 17:207–212; 18:213–214, 216–217, 222, 230–
 232; 20:243–244, 246–247; 32:400, 402
 - carbonates, 116A5:98, 107–109; 116B11:135–139;
 31:393; 32:403
 - clay mineralogy, 116B4:35, 37, 39–40
 - compressional wave velocity, 116B25:311–315;
 32:404
 - coring, 116A2:13–27; 5:91–96; 116B1:6–8
 - depositional history, 116B2:18–19; 3:26–28, 30–33;
 5:43, 54–57; 7:81–82, 84–85
 - eustatic sea level curve, 116B32:406–407, 411
 - geologic event/sedimentary record, 116B32:402–412
 - grains, 116A5:98, 102, 116, 124; 116B3:28, 30, 31;
 8:94–97, 101–103, 106–108, 110–111, 113;
 32:403; 33:417–420
 - heat flow, 116A5:99, 102, 110–111, 117–118, 129–
 132; 7:208–210; 116B7:78, 80–81; 28:347–348,
 350–358
 - hydrocarbon gases, 116A5:104–106
 - inorganic geochemistry, 116A5:106–112, 129–130;
 116B34:421–423
 - isotopic oxygen/hydrogen, 116B10:127–132
 - lithofacies, 116B3:25–28, 31–33; 31:388–389, 393
 - lithologic units, 116A5:95–96, 98; 116B2:15, 17; 4:40;
 10:129–132; 29:363–364; 30:370–371, 373;
 31:379–390
 - lithostratigraphy, 116A5:93–98, 101; 116B1:8–10, 12–
 13; 7:76; 28:346, 348; 32:400–401
 - magnetic properties, 116A5:112–116, 202; 116B3:29–
 30; 26:317–335; 27:337–344
 - mineralogy, 116B4:35–40; 5:44–51; 6:59–72
 - navigation, 116A3:29–36
 - organic geochemistry, 116A5:104–106, 108;
 116B12:141–142
 - physical properties, 116A5:116–117, 119–123, 128–
 129; 116B3:28–29, 31; 7:75–82; 25:311–315;
 28:348–351; 29:365–368; 30:371–372, 374
 - pore water chemistry, 116A5:106–112; 116B9:117–
 125; 10:127–132; 11:138, 13:145–154; 28:348;
 34:421, 423
 - redox and carbon flux data, 119B21:402
 - Rock-Eval pyrolysis, 116A5:104, 107–108
 - sediment mass accumulation rates, 116A5:103–104;
 116B2:19–22; 3:27–28, 30, 32–33; 5:56–57;
 15:186–187; 28:346, 348
 - sedimentology, 116B1:8–13; 5:43–57; 6:65–72, 95–96,
 98; 31:390–392, 394–395
 - seismic reflection profiles, 116A5:98, 133, 135–136;
 7:199; 116B15:166; 16:204; 18:214; 22:263;
 28:346; 29:365; 31:379; 32:404, 406
 - seismic stratigraphy, 116A5:118–122, 198, 200, 206–
 207; 116B23:281, 283; 25:311–315; 32:399–400,
 407
 - site correlation, 116A5:106, 109, 112–116, 118, 120–
 121, 131–133; 6:186
 - slump deposits, 116B31:392–393
 - stress folds, 121A1:22
 - tectonic uplifts, 116B8:93, 100–103, 111; 29:364–365;
 31:393–395; 32:398–399
 - well-logging 116A5:122–127, 132, 137–154;
 116B28:347; 30:372, 374; 32:405
- Site 719
 - amino acids, 116B12:141–144
 - bathymetry, 116A6:156; 7:198, 200; 116B3:26;
 15:167; 18:204–205, 208–209; 22:267, 281;
 26:318; 31:378; 32:398
 - biogenic structures, 116B2:15–19; 3:26–29
 - biostratigraphy, 116A6:162–164, 186; 116B2:15–22;
 3:26, 29; 15:165–167, 181–187; 17:207–212;
 18:213–214, 216–217, 223, 232–235; 20:243–
 244, 246–247; 32:402
 - carbonates, 116A6:162, 166–167, 169; 116B11:135–
 139
 - coring, 116A2:13–27; 116B1:6–8; 14:155, 157, 159;
 depositional history, 116B2:18–19; 3:26–28, 30–33;
 117A8:169
 - eustatic sea level curve, 116B32:406–407, 411
 - geologic event/sedimentary record, 116B32:402–412
 - grain size, 116A6:161–162; 116B3:28, 30–31; 33:417–
 420
 - hydrocarbon gases, 116A6:164–166
 - inorganic geochemistry, 116A6:165–168; 116B34:421,
 423
 - isotopic oxygen/hydrogen, 116B10:127–132
 - lithofacies, 116B3:25–28, 31–33; 31:388–389, 393
 - lithologic units, 116A6:159–161; 116B2:15, 17;
 10:129–132; 29:363–364; 30:370–371, 373, 379–
 390
 - lithostratigraphy, 116A6:158–162, 186; 116B1:8, 11–
 13; 26:321; 28:346, 348
 - magnetic properties, 116A6:168–172; 7:202;
 116B3:29–30; 26:317–335; 27:337–344
 - mineralogy, 116B6:59–72

navigation, 116A3:29–36
 physical properties, 116A6:172–181; 7:208–210;
 116B3:28–29, 31; 25:311–315; 28:347–358;
 29:365–368; 30:371–374
 pore water chemistry, 116A6:162, 165–169;
 116B9:117–125; 10:127–132; 11:135–139;
 28:348; 34:421, 423
 redox and carbon flux data, 119B21:402
 Rock-Eval pyrolysis, 116A6:165, 167–168
 sediment mass accumulation rates, 116A6:164;
 116B2:19–22; 3:27–28, 30, 32–33; 15:186–187;
 28:346, 348
 sedimentology, 116A6:159–161; 116B2:8–13; 6:65–72;
 31:390–392, 394–395
 seismic reflection profiles, 116A6:184; 7:199, 206–
 207; 116B16:204; 18:214; 28:346; 29:365;
 31:379; 32:404, 409
 seismic stratigraphy, 116A6:179–183; 7:198, 200;
 116B15:166; 23:281, 283; 25:311–315; 32:399–
 400, 408
 site correlation, 116A6:157–168, 172, 181–182, 186–
 187
 slump deposits, 116B31:392–393
 stress folds, 121A1:22
 tectonic uplifts, 116B29:364–365; 31:393–395;
 32:398–399
 well-logging, 116A6:182–185, 188–196; 116B28:347,
 349; 30:372–373

Site 720

age vs. depth, 117A8:191–192
 bathymetry, 117A1:7; 5:51–52; 6:65, 67–68; 117B4:90;
 8:184; 11:222
 biostratigraphy, 117A2:18–21; 6:90; 8:165–166;
 117B2:38–43; 5:127–130, 133; 36:593
 carbonates, 117A8:159–160, 163; 117B11:229
 chronostratigraphy, 117B5:132
 clastic influx, 117A8:190
 clay mineralogy, 116B5:55; 117B8:185–186, 193;
 11:229
 color, 117A8:190; 117B6:160
 consolidation, 117A8:169
 coring, 117A8:159, 162, 182, 184, 190
 cyclicity, 117A8:163
 depositional history, 117A8:157, 164, 188–192;
 117B11:221–222
 grain size, 117B11:228
 hydrocarbon gases, 117A2:28; 8:182, 185
 inorganic geochemistry, 117A2:28–29; 8:177, 179–
 183; 16:521
 intersite correlation, 117B6:159
 lipids, 117A2:28; 117B34:561–563
 lithostratigraphy, 117A8:159–164, 176–177, 186–191;
 117B11:222–223; 30:500
 location, 117A1:7; 8:157–159, 189; 117B7:162; 8:184;
 15:282
 magnetic properties, 117A2:21–22; 6:65, 67–68;
 8:166–173
 magnetostratigraphy, 117A8:166; 117B5:127, 129–
 130
 marker horizons, 117B6:147–148
 mineralogy, 117A8:186–188

monsoons, 117A1:6–9
 morphology, 117A8:189–190
 navigation, 117A6:65–68
 oceanography, 117A1:5–6
 organic geochemistry, 117A2:26–28; 8:163, 182;
 117B11:229
 organic petrology, 117B36:587–591
 oxygen index, 117A8:185
 oxygen isotopes, 117B6:159
 pelagic sediments, 117A8:164, 176–177
 physical properties, 117A2:25–26; 6:77; 7:151; 8:169–
 171, 175–176, 185–187; 117B11:224, 228
 physiography, 117A8:189–190
 pore water chemistry, 117A8:177, 179–180, 182;
 117B30:499–512
 redox and carbon flux data, 119B21:402
 Rock-Eval pyrolysis, 117A8:184; 117B34:562–563
 sediment mass accumulation rates, 117A8:169
 sedimentation rates, 117A8:174; 117B15:132–133
 sediments, 117A5:51; 8:180–182; 10:283
 seismic stratigraphy, 117A5:52, 6:65–66, 69–73;
 8:160, 171–176, 178–179, 181
 tectonic history, 117A1:5; 8:157
 temperature, 117A7:151
 terrigenous sediments, 117A8:163, 169; 117B11:231–
 234, 236–237
 turbidites, 117A8:164, 190–192
 well-logging, 117A2:29–32; 8:162–163, 182, 184–189,
 194–195; 117B6:148; 11:223

Site 721

age models, 117B22:399
 alkenone unsaturation index, 117B25:445–449
 alkenones, 117A9:246–248
 atmospheric general circulation models, 117B22:397
 bathymetry, 117A1:7; 3:37; 5:55–56, 59; 6:65, 67–68;
 8:184; 117B1:22; 4:90
 biostratigraphy, 117A2:18–21; 117B2:41–42, 44–46,
 49; 4:90, 92, 96, 102, 105–106, 115, 118–119;
 5:127–130, 135–136, 138–139; 9:211–217;
 15:277–280; 22:392, 394
 bulk mineralogy and magnetic susceptibility,
 117B22:392
 burial diagenesis, 117B11:231–234, 236–237
 carbon isotopes, 117B25:448
 carbonates, 117A9:203–207, 252; 18:563; 117B25:448
 chronostratigraphy, 117B5:132
 clay mineralogy, 117A9:240; 117B8:186–190, 193
 color density pattern, 117B6:155, 160
 composite depth models, 117B22:398
 coring, 117A3:36; 9:198–199, 201
 depositional history, 117B1:36; 2:38
 disturbance structures, 117A3:38–39; 9:200, 202
 environmental setting, 117B15:277
 hydrocarbon gases, 117A2:28; 9:235, 237, 244
 hydrogen index, 117A9:243; 117B36:588
 inorganic geochemistry, 117A2:28–29; 9:228–234,
 239; 16:521; 19:617
 insolation forcing and climatic response, 117B22:402
 interhole correlation, 117A2:22–23, 25; 9:237–241,
 249; 19:627; 117B6:159; 22:391–400
 lipids, 117A2:28; 9:237; 11:353

- lithostratigraphy, 117A3:39; 9:197, 199–202, 207–209; 117B7:164; 10:216; 30:500; 36:589
- location, 117A1:7; 3:37; 9:198, 235; 117B2:41; 6:148; 7:162; 8:184; 10:216; 22:391; 25:446
- magnetic properties, 117A2:21–22, 24; 6:65, 67–68; 9:217–224, 238, 251–252; 12:396; 19:605; 117B5:136; 22:399
- magnetostratigraphy, 117A9:217–218; 117B5:127, 130; 7:162–163
- marker horizons, 117A9:238, 240–241, 249, 253; 19:631; 117B6:147–153
- microfaulting, 117A9:209
- mineralogy, 117A9:225–226
- Miocene hiatuses, 117A3:38; 9:242
- monsoons, 117A1:6–9; 117B22:390, 396–397
- navigation, 117A6:65–66
- oceanography, 117A1:5–6
- opal deposition, 117A3:40–41; 9:242–244
- organic geochemistry, 117A2:26–28; 9:203–206; 234–237; 117B25:448; 36:588
- organic petrology, 117B36:587–591
- oxygen isotopes, 117B25:448
- paleoenvironmental record, 117B8:187–190
- Peru margin comparison, 117B30:510, 512
- physical properties, 117A7:151; 9:222–225, 229–234
- Pliocene evolution, 117B22:394–396
- pore water chemistry, 117A9:208–209, 228–231, 233, 240; 117B30:499–512
- precession, 117B22:405
- redox and carbon flux data, 119B21:402
- Rock-Eval pyrolysis, 117A9:242
- sea-surface temperature indicators, 117B25:445–449
- sediment cycles, 117A3:41–42; 9:210–211, 244; 117B8:195; 22:404
- sediment mass accumulation rates, 117A9:221–222, 227–228; 22:406–407
- sedimentation rates, 117A9:227–228; 117B5:132–134; 6:151–153
- sediments, 117A5:53–55; 9:233–234; 10:282
- seismic stratigraphy, 117A3:38; 5:55; 6:66, 69, 73–81; 9:199, 212, 225–228, 235–236; 10:289; 19:585, 588
- stratigraphic depths, 117A9:250, 253; 19:631; 117B6:152–153
- sulfate depletion, 117A19:617
- summary, 117A9:201–202, 254
- tectonic history, 117A1:5; 3:39–40, 61; 9:241–242
- temperature, 117A7:151, 154
- terrigenous sediments, 117B22:390–391, 396, 406–407
- unconformities, 117A9:209–210
- upwelling onset, 117A3:40–41; 9:242–243
- Site 722
- age model, 117B12:247; 20:346; 21:368–369
- aluminosilicate detritus factor, 117B23:412–413
- aridity and amount of terrigenous sediment flux, 117B24:435
- bathymetry, 117A1:7; 3:37; 5:55–56, 59; 6:65, 67–68; 10:256; 117B4:90; 8:184; 11:222; 20:344
- biogenic component, 117B11:228–231, 234–236; 20:343–363; 23:414–417
- biostratigraphy, 117A2:18–21; 10:260–268; 117B2:42, 45, 47–48; 4:91–92, 96, 102, 106–107, 116, 120–121; 5:128–130, 137–139; 7:167; 8:187–190; 20:349; 22:392, 394
- borehole deviation, 117A10:296, 304
- bottom water redox state record, 117B24:434
- Brunhes Chron, 117A16:508
- bulk mineralogy and magnetic susceptibility, 117B22:392
- carbon/sulfur ratio, 117A18:563; 117B31:522, 523, 525
- carbonates, 117A10:264–265, 297–298; 117B11:229; 18:309; 20:343–363
- chronostratigraphy, 117B5:132
- clay mineralogy, 117B8:186–190, 193; 9:212–213; 11:229
- composite depth models, 117B20:345–346, 356–363; 22:394
- coring, 117A3:36; 10:255–259, 264–265, 297–300
- depositional history, 117A3:36, 38; 117B11:222
- dewatering structures, 117A10:266
- downhole measurements, 117A10:291–292, 296, 300, 303
- frequency domain analysis, 117B9:205–207
- grain size, 117B21:372, 383–387
- heavy minerals, 117B24:434
- hydrocarbon gases, 117A2:28; 10:288, 298
- hydrogen index, 117A10:297–298; 15:489; 117B31:522; 33:551; 36:588
- inorganic geochemistry, 117A2:26–29; 10:277–288; 15:481; 19:617; 117B23:421–424; 24:443
- intersite correlation, 117B6:159; 22:391–393
- iridium at Cretaceous/Tertiary boundary, 119B39:720
- iron sulfide formation, 117B31:517, 519, 522–523
- lipids, 117A2:28; 117B34:561–566
- lithogenic components, 117B21:368–374, 383, 386
- lithostratigraphy, 117A3:38–39; 10:255, 257–261, 266, 272, 292–293, 295–296; 117B7:166; 10:216; 11:222–223; 12:239–241; 30:500; 36:589
- location, 117A1:7; 10:255–256, 289; 13:437; 117B2:41; 6:148; 7:162; 184; 9:199; 10:216; 21:366; 22:391; 23:410; 24:431; 28:465; 31:518
- magnetic properties, 117A2:21–24; 6:65, 67–68; 10:268–279, 296, 304, 307; 11:337; 12:396; 19:605, 607; 117B5:138; 7:177; 21:375–382, 386; 22:391–400
- magnetostratigraphy, 117A10:268–269; 117B5:127, 130; 7:163, 165
- major elements, 117B23:429
- marker horizons, 117A2:22–23, 25; 10:297–298, 306, 309–311; 19:627, 631; 117B6:147–153, 159
- mass accumulation rates, 117A10:273–274; 117B20:349–350, 406
- Miocene hiatuses, 117A3:38; 10:302
- monsoons, 117A1:6–9; 10:298; 117B13:257–260; 22:396–397
- navigation, 117A6:65–68
- oceanography, 117A1:5–6
- opal deposition, 117A4:40–41; 10:303–304

- organic geochemistry, 117A2:26–28; 10:264–265, 283–288, 297–298; 16:517–527; 117B11:229; 18:309; 20:343–363; 23:417–418; 25:448; 31:520–523, 525–526; 36:588
 - organic petrology, 117B36:587–591
 - organic sulfur compounds, 117B3:67
 - oxygen isotopes, 117B9:201–205, 207–209; 20:350, 352–353; 21:372; 23:410
 - paleoclimatology, 117B9:210; 21:374, 380
 - pelagic sediments, 117B8:196
 - Peru margin comparison, 117B30:510, 512
 - phosphatic factor, 117B23:418–419
 - physical properties, 117A2:25–26; 7:151; 10:275–276; 282–288, 299, 301–302; 117B11:224, 228
 - Pleistocene, 117B9:197–198; 22:390; 23:410–419
 - pore water chemistry, 117A10:277–282, 293; 117B30:499–512
 - precession, 117B22:405
 - productivity, 117B24:434
 - proxy-paleoceanographic record, 117B24:432
 - pyritization, 117B31:522–523; 124B26:364–365
 - pyrolysis, 117B33:547–560
 - redox and carbon flux data, 119B21:402
 - Rock-Eval pyrolysis, 117B34:563–565
 - sediment color, 117A9:221; 10:273–274, 279, 281; 117B6:155, 160; 12:241–252
 - sedimentary cycles, 117A3:41–42; 10:293, 296–297, 304–305; 117B8:195; 20:346–354
 - sedimentation rates, 117A10:279, 281, 303; 117B5:133, 136; 6:151–153; 21:373, 380, 383, 387; 26:458
 - sediments, 117A5:53–55; 10:282–283; 11:351–352
 - seismic stratigraphy, 117A3:38; 5:55; 6:65–66, 69, 73–81; 9:200, 226–227, 235; 10:255, 257, 276–277, 289–291; 19:585, 588
 - site summary, 117B12:239–240
 - spectral analysis, 117B12:245–247
 - stratigraphic depths, 117A10:306, 310–311; 19:631; 117B6:152–153
 - strontium isotopes, 117B27:459–463
 - sulfate depletion, 117A19:617
 - summary chart, 117A10:308
 - synthetic seismograms, 117A10:276–277
 - tectonic history, 117A1:5; 3:39–40; 5:61; 10:300–303
 - temperature, 117A7:151, 154
 - terrigenous sediments, 117B11:231–234, 236–237; 12:250–251; 22:390–392, 394–396, 406–407; 24:433–436, 438
 - trace elements, 117B23:429
 - turbidites, 117A8:187; 10:260; 117B10:219–220
 - uplift history and turbiditic–pelagic transition, 117A10:300–301
 - upwelling, 117A3:40–41; 10:303–304; 117B13:259–260; 23:409–430; 24:431–443
 - uranium-series disequilibrium, 117B28:465–472
 - well-logging, 117A2:29–32; 10:288–296, 312–317
 - zonation, 117B5:127–128
- Site 723
- alkenone unsaturation index, 117A11:359–360; 117B25:445–449; 34:569
 - amino compounds, 117B32:534–540, 543
 - basement structures, 117A4:43
 - bathymetry, 117A1:7; 5:57–59; 6:65, 67–68; 11:321; 117B4:90; 8:184; 11:222
 - biogenic sediment, 117B11:228–231, 234–236
 - biostratigraphy, 117A2:18–21; 11:329–332, 338; 117B1:6–8, 10–11, 22–24, 26; 4:91–95, 98–99, 108, 110–111; 5:127–131, 134, 138, 141; 14:266–271, 273–276, 15:278–280; 19:323–327
 - Brunhes Chron, 117A16:508
 - calcium carbonate, 117A11:327–329, 359, 360; 117B11:229; 25:448
 - carbohydrates, 117B32:536–537
 - carbon isotopes, 117B25:448
 - carbon/sulfur ratio, 117B31:522–523, 525
 - chronostratigraphy, 117B5:132
 - clay mineralogy, 117B8:191–194
 - color density pattern, 117B6:155, 160
 - coring, 117A2:13; 4:47; 11:320, 324
 - correlation, 117A15:476
 - deformation structures, 117A4:43
 - depositional history, 117B11:225
 - diatomite, 117A16:500
 - dissolved organic carbon, 117A11:352; 117B32:533, 539
 - dissolved oxygen, 117B19:323
 - dolomite, 117A11:325–326, 369; 117B30:509–510
 - downhole measurements, 117A11:360–362, 364–365, 367–368; 16:530; 117B29:475, 482, 490, 493; 498
 - environmental setting, 117B15:277
 - fluvial transport and fluctuations, 117B19:339
 - gas expansion, 117A11:323–324
 - grain size, 117B11:228
 - heat flow, 117A7:154
 - hydrocarbons, 117A2:28; 11:353, 356–357, 359; 117B33:547–552
 - hydrogen index, 117A11:355; 117B31:522; 33:551
 - inorganic geochemistry, 117A2:28–29; 11:346–352, 369–370
 - interhole correlation, 117A2:22–23, 25; 11:364–366, 373; 15:484; 16:531–533; 18:581; 117B6:159
 - iron sulfide formation, 117B31:517, 519, 522–523
 - laminated intervals, 117A11:323, 325, 369
 - lipids, 117A2:28; 11:353; 117B34:561–566, 568
 - lithofacies, 117A4:46; 117B32:543
 - lithology, 117A11:322–329, 368–369; 117B11:223; 30:500; 31:519; 32:530, 540–541, 543; 36:589
 - lithostratigraphy, 117A1:7; 9:225; 11:319, 321–329, 366; 12:390; 117B1:6; 7:162, 169; 8:184; 19:322; 25:446; 30:500; 31:519; 31:518; 32:530
 - location, 117A11:319, 366; 117B6:148; 19:321–322
 - magnetic properties, 117A2:21–22; 6:65, 67–68; 11:332–337, 365–366, 370, 372; 12:414; 16:537; 117B7:170; 41:765
 - magnetostratigraphy, 117B5:127; 7:165, 167
 - marker horizons, 117A11:365, 373; 117B6:147–148, 150–151, 154
 - monsoon, 117A1:6–9; 117B14:265–272; 32:529–530
 - nannofossil ooze, 117A11:368–369
 - navigation, 117A6:65–68

- oceanography, 117A1:5–6; 4:45–46
 ophiolitic complexes, 117A11:319–320
 organic geochemistry, 117A2:26–28; 11:327–329,
 352–353, 359–360; 117B11:229; 31:517–527;
 32:531–533
 organic petrology, 117B36:587–591
 organic sulfur compounds, 117B3:67
 oxygen isotopes, 117B6:159; 19:323–337; 25:448
 oxygen-minimum zones, 117B1:8
 Peru margin comparison, 117B30:510, 512
 physical properties, 117A2:25–26; 11:336–342, 360–
 363, 367; 12:401, 408
 Pleistocene pressure gradient, 117B14:265–272
 Pliocene–Pleistocene deposition, 117A11:324
 pore water chemistry, 117A11:348–349, 351;
 117B30:499–512; 32:532–533, 541
 preservation, 117A11:326–327, 329; 16:500
 principal component analysis, 117A11:367;
 117B29:493–498
 pyritization degree, 117B31:522–523
 Quaternary, 117B5:131
 redox and carbon flux data, 119B21:402
 Rock-Eval pyrolysis, 117A11:354–355; 117B33:547–
 560; 34:565–566
 sea-surface temperature, 117B14:271; 25:445–449,
 451
 sediment mass accumulation rates, 117A11:336–338
 sedimentary cycles, 117A11:364–366; 117B6:155–
 156; 19:323–324, 339
 sedimentation rates, 117A11:336–338; 15:474;
 117B5:133, 141; 6:153–155
 sediments, 117A4:43, 48; 5:57; 11:349, 351–352;
 117B32:531–544
 seismic stratigraphy, 117A5:58, 61; 6:65–66, 69, 82–
 84; 11:322, 340, 342–346; 16:512, 518
 shipboard determination, 117B6:147–148
 stratigraphic depths, 117A11:374; 12:416; 15:492;
 16:538; 18:582; 117B6:156
 summary chart, 117A11:375
 tectonic history, 117A1:5
 temperature, 117A7:151–154
 terrigenous sediments, 117A11:366; 117B19:339
 thermogenic gases, 117A4:49
 total nitrogen, 117B32:533
 upwelling, 117A4:47–50; 117B14:271; 19:337–340
 uranium, 117A11:358–360
 well-logging, 117A2:29–32; 11:325, 353, 355–364,
 369, 376–384; 117B11:223; 29:475, 482; 31:519
 X-ray fluorescence, 117B29:473–498
- Site 724
 aluminosilicate detritus factor, 117B23:412–413
 amino compounds, 117B32:534–538, 540–541, 543
 apatite nodules, 117A12:394–395
 basement structures, 117A4:43
 bathymetry, 117A1:7; 5:57–59; 6:65, 67–68; 12:387;
 117B4:90; 8:184; 11:222
 biogenic component, 117B23:414–417
 biostratigraphy, 117A2:18–21; 12:390–395; 117B1:8–
 9, 12–13, 22–24, 26; 4:93–95, 98–99, 108–109;
 5:127–131, 138, 141; 7:172; 17:291–302, 304–
 306
 calcium carbonate, 117A12:393–395
 carbohydrates, 117B32:536–537
 carbon isotopes, 117B35:573–580
 chronostratigraphy, 117B5:132
 color density pattern, 117B3:55; 6:160
 coring, 117A2:13; 4:47; 12:386, 388, 390
 deformation structures, 117A4:43
 density, 117A12:408; 117B17:297, 306–308
 depositional environment climate-related changes,
 117A12:413
 diatomite, 117A16:500
 dissolved organic carbon, 117A12:411; 117B32:533,
 539
 glacial–interglacial cycles, 117B6:155–156; 17:295–
 296
 hydrocarbon gases, 117A2:28; 12:406, 412–413
 hydrogen index, 117A12:411
 inorganic geochemistry, 117A2:28–29; 12:402–404,
 410; 117B24:441–443
 interhole correlation, 117A2:22–23, 25; 12:406–408;
 15:484; 16:531; 18:581; 117B6:159
 laminated diatomaceous clayey silt, 117A12:388–389
 lipids, 117A2:28
 lithobiostratigraphic correlation, 117B7:171
 lithofacies, 117A4:46
 lithostratigraphy, 117A12:388–390, 411; 117B30:500;
 32:530, 540–541, 543; ; 36:589
 location, 117A1:7; 12:385, 387; 117B1:6; 6:148;
 7:162; 8:184; 23:410; 24:431; 32:530
 magnetic properties, 117A2:21–22; 6:65–66; 12:395–
 403, 406–408, 414–415; 117B5:141; 7:170, 177
 magnetostratigraphy, 117B5:127; 7:167
 major elements, 117B23:425–429
 marker horizons, 117A12:406–408, 414, 416; 15:492;
 16:538; 18:582; 117B6:147–148, 150–151
 monsoon, 117A1:6–9; 117B32:529–530; 35:580–582
 navigation, 117A6:65–68
 Neogene, 117B5:131–132
 nitrogen isotopes, 117B35:573–579, 581
 oceanography, 117A1:5–6; 4:45–46
 organic geochemistry, 117A2:26–28; 12:394, 406–408;
 117B17:297, 306–308; 23:417–418; 32:531, 533;
 35:573–579, 582
 organic petrology, 117B36:587–591
 oxygen-minimum zones, 117B1:8
 oxygen isotopes, 117B6:159; 23:410
 Peru margin comparison, 117B30:510, 512
 phosphatic factor, 117B23:418–419
 physical properties, 117A2:25–26; 7:151; 12:400–402,
 405–408, 411
 physiography, 117A12:385–386
 Pleistocene productivity, 117B23:410–419
 pore water chemistry, 117A12:402–404, 409;
 117B30:499–512; 32:532, 541
 preservation, 117A16:500
 proxy-paleoceanographic record, 117B24:432
 Quaternary, 117B5:131
 redox and carbon flux data, 119B21:402
 Rock-Eval pyrolysis, 117A12:411; 117B34:565–566
 sand-sized detritus, 117A4:48
 sea-surface temperature, 117B17:296–299

- sediment mass accumulation rates, 117A12:398, 400, 404; 16:508
- sedimentation rates, 117A12:398, 404; 117B5:133, 141; 6:153–155
- sediments, 117A4:43; 5:57; 12:385–386; 117B1:33; 32:533–535
- seismic reflection profiling, 117A5:58, 61; 6:65–66, 69, 85–92; 12:388
- Site 727 correlation, 117A15:476
- stable isotopes, 117B35:571–583
- stratigraphic depths, 117A12:414–416; 16:538; 18:582
- subsidence history, 117B5:139
- summary chart, 117A12:391, 417
- tectonic history, 117A1:5
- thermogenic gases, 117A4:49
- total nitrogen, 117B32:533
- upwelling, 117A4:47–50; 117B17:296–297; 24:401–443
- well-logging, 117A12:391
- Site 725
 - basement structures, 117A4:43
 - bathymetry, 117A1:7; 5:57–59; 6:65, 67–68; 13:421; 117B4:90; 8:184; 11:222
 - biostratigraphy, 117A2:18–21; 13:425–427; 117B1:6, 9, 14, 22–24, 27; 3:57–60, 74, 77; 4:91, 93–95, 98–99, 108–109; 5:127–131
 - carbon isotopes, 117B35:579–580, 583
 - carbonates, 117A13:425–426
 - chronostratigraphy, 117B5:132
 - clay mineralogy, 117B8:191, 192–195
 - coring, 117A4:47; 13:420, 423
 - deformation structures, 117A4:43
 - diatomaceous laminated intervals, 117A13:422
 - hydrocarbon gases, 117A2:28; 13:433, 439
 - inorganic geochemistry, 117A2:28–29; 13:431–432, 434–435
 - lipids, 117A2:28; 117B34:561–566
 - lithofacies, 117A4:46
 - lithostratigraphy, 117A13:422–425, 430–431, 434; 117B7:173; 30:500
 - location, 117A1:7; 13:419, 421; 117B1:6; 3:56; 6:148; 7:162; 8:184
 - magnetic properties, 117A2:21–22; 6:65, 67–68; 13:427–430
 - magnetostratigraphy, 117A13:427–428; 117B5:127; 7:168; 170, 172
 - marker horizons, 117B6:147–148
 - monsoons, 117A1:6–9; 117B35:580–582
 - navigation, 117A6:65–68
 - oceanography, 117A1:5–6; 4:45–46
 - organic geochemistry, 117A2:26–28; 13:425–426, 433, 436, 438; 117B35:579, 586
 - organic petrology, 117B36:587–591
 - oxygen-minimum zones, 117B1:8
 - Peru margin comparison, 117B30:510, 512
 - physical properties, 117A2:25–26; 7:151; 13:429–431, 433–436
 - Pleistocene depositional environment, 117A13:434
 - pore water chemistry, 117A13:431–432, 436–437; 117B30:499–512
 - Quaternary, 117B5:131
 - redox and carbon flux data, 119B21:402
 - Rock-Eval pyrolysis, 117A13:438; 117B34:565–566
 - sand-sized detritus, 117A4:48
 - sediment mass accumulation rates, 117A13:429, 432–434
 - sedimentation rates, 117A13:429, 432–433; 117B3:56; 5:133, 142
 - sediments, 117A4:43; 5:57; 117B1:14
 - seismic stratigraphy, 117A5:58, 61; 6:65–66, 69, 85–92; 13:419–420
 - stable isotopes, 117B35:571–583
 - subsidence history, 117B5:139
 - summary chart, 117A13:439
 - tectonic history, 117A1:5
 - thermogenic gases, 117A4:49
 - upwelling, 117A4:47–50
 - well-logging, 117A13:423–424
- Site 726
 - basement structures, 117A4:43
 - bathymetry, 117A1:7; 5:57–59; 6:65, 67–68; 14:443; 117B4:90; 8:184; 11:222
 - biomoldic dolomite, 117A14:450
 - biostratigraphy, 117A2:18–21; 14:450–453; 117B1:9, 15–17, 22–24, 27; 3:56–57, 62–75, 78–79; 4:91, 93–95, 98–99, 108–109; 5:127–131, 135, 138, 142
 - carbonates, 117A14:448
 - chronostratigraphy, 117B5:132
 - clay mineralogy, 117B8:191–194
 - coring summary, 117A4:47; 14:441, 446, 464
 - deformation structures, 117A4:43
 - depositional environment, 117A14:449–450
 - diatomite, 117A16:500
 - dissolved organic carbon, 117A14:462
 - dolomitic wackestone, 117A14:450
 - Eocene–Miocene hiatus, 117A14:447, 455, 464
 - heat flow, 117A7:154
 - hydrocarbon gases, 117A2:28; 14:464
 - hydrogen index, 117A15:489
 - hypersaline water, 117A7:153; 14:466
 - inorganic geochemistry, 117A2:28–29; 14:458–462
 - lag deposits, 117A4:48; 14:445–446, 449, 464
 - laminated intervals, 117A14:445, 464, 466
 - lipids, 117A2:28
 - lithification, 117A14:447–448
 - lithofacies, 117A4:46
 - lithostratigraphy, 117A14:442, 445–450, 456–457, 464; 17:548; 117B7:175; 30:500; 36:589
 - location, 117A1:7; 14:441, 443; 117B1:6; 3:56; 6:148; 7:162; 8:184
 - magnetic properties, 117A2:21–22; 6:65, 67–68; 14:453–455; 117B7:174
 - magnetostratigraphy, 117A14:453–454; 117B5:127; 7:172
 - marker horizons, 117B6:147–148, 159
 - monsoons, 117A1:6–9
 - navigation, 117A6:65–66
 - Neogene, 117B5:131–132
 - oceanography, 117A1:5–6; 4:45–46
 - oncolithic limestone, 117A14:450

- organic geochemistry, 117A2:26–28; 14:448, 462–463; 15:481
- organic petrology, 117B36:587–591
- oxygen-minimum zones, 117B1:8
- palygorskite, 117B8:193
- Peru margin comparison, 117B30:510, 512
- phosphorite concretions, 117A14:448
- physical properties, 117A2:25–26; 7:151–154; 14:456–460
- Pliocene–Pleistocene hiatus, 117A14:464
- pore water chemistry, 117A14:458–462; 117B30:499–512
- preservation, 117A16:500
- Quaternary, 117B5:131
- Rock-Eval pyrolysis, 117B34:565–566
- sand-sized detritus, 117A4:48
- sediment mass accumulation rates, 117A14:455–457
- sedimentation rates, 117A14:455–457; 117B3:57; 5:133–134, 142
- sediments, 117A4:43; 5:57; 117B1:16–17
- seismic reflection profiling, 117A5:58, 61; 6:65–66, 93–99; 14:444
- shallow-water limestone, 117A14:466
- site correlation, 117A17:548
- summary chart, 117A14:465
- tectonic history, 117A1:5
- upwelling, 117A4:47–50
- Site 727
 - basement structures, 117A4:43
 - bathymetry, 117A1:7; 5:57–59; 6:65, 67–68; 15:469; 117B4:90; 8:184; 11:222
 - biostratigraphy, 117A2:18–21; 15:472–473; 117B1:15, 18–19, 22–23, 26; 4:93–95, 98–99; 5:127–131, 135, 138, 143, 175
 - carbonates, 117A15:474–475
 - chronostratigraphy, 117B5:132
 - color density patterns, 117B6:155, 160
 - coring, 117A4:47; 15:467–468, 472
 - deformation structures, 117A4:43
 - depositional environment, 117A15:471
 - dissolved organic carbon, 117A15:487
 - glacial–interglacial cycles, 117B6:155–156
 - heat flow, 117A7:154
 - hydrocarbon gases, 117A2:28; 15:481, 489–490
 - hydrogen index, 117A15:488, 489
 - inorganic geochemistry, 117A2:26–29; 15:474, 478, 480–481; 486
 - interhole correlation, 117A2:22–23, 25; 15:481, 483–484, 581; 117B6:151, 159
 - laminated intervals, 117A15:471–472
 - lipids, 117A2:28
 - lithobiostratigraphic correlation, 117B7:176
 - lithofacies, 117A4:46
 - lithostratigraphy, 117A15:468, 471–472; 117B30:500
 - location, 117A1:7; 15:467, 469; 117B1:6; 3:56; 6:148; 7:162; 8:184
 - magnetic properties, 117A2:21–22; 6:65, 67–68; 15:473–474, 477–479, 491; 117B5:143; 7:174, 177
 - magnetostratigraphy, 117A15:473; 117B1:23–24, 28; 5:127, 130–131; 7:172–173
- marker horizons, 117A15:481–484, 490–491, 492; 18:582; 117B6:147–148
- monsoons, 117A1:6–9
- navigation, 117A6:65–68
- oceanography, 117A1:5–6; 4:45–46
- organic geochemistry, 117A15:474–475, 481, 488
- organic petrology, 117B36:587–591
- oxygen isotopes, 117B6:159
- oxygen-minimum zones, 117B1:8
- Peru margin comparison, 117B30:510, 512
- physical properties, 117A2:25–26; 7:151–154; 15:475–476, 478, 482–485
- pore water chemistry, 117A15:478, 480–481, 486; 117B30:499–512
- Quaternary, 117B5:131
- redox and carbon flux data, 119B21:402
- Rock-Eval pyrolysis, 117A15:488
- sediment mass accumulation rates, 117A15:474, 480–481
- sedimentation rates, 117A15:474, 480–481; 117B5:133, 142; 6:153–155
- sediments, 117A4:43; 5:57; 117B1:18–19
- seismic reflection profiling, 117A5:58, 61; 6:65–67, 69–102; 15:467, 470
- stratigraphic depths, 117A15:490, 492; 18:582; 117B6:156
- summary chart, 117A15:473, 493
- tectonic history, 117A1:5
- thermogenic gases, 117A4:49
- upwelling, 117A4:47–50
- Site 728
 - age models, 117B12:247
 - alkenone unsaturation index, 117B25:445–449
 - basement structures, 117A4:43
 - bathymetry, 117A1:7; 5:57–59; 6:65, 67–68; 16:497; 117B4:90; 8:184; 11:222; 18:309
 - beryllium, 117B26:455–458
 - biogenic sediments, 117A16:500; 117B11:228–231, 234–236
 - biostratigraphy, 117A2:15–21, 26; 16:501–507, 536; 117B1:22–24, 28; 3:56–57, 61, 64–74, 76, 80–84; 4:91, 93–96, 98–99, 110–111, 122; 5:127–131, 135, 138, 144; 7:178; 18:313–319
 - calcium carbonate, 117A16:503; 117B25:448–449
 - carbon isotopes, 117B25:448
 - chronostratigraphy, 117B5:132
 - clay mineralogy, 117B8:191–194
 - coring, 117A4:47; 16:495–496, 500
 - deformation structures, 117A4:43
 - depositional history, 117A16:518; 117B11:225, 227
 - diatomite, 117A16:500
 - downhole measurements, 117A2:30; 16:528–530, 532–535; 117B29:475, 482, 490, 493, 498
 - geomagnetic polarity timescale, 117A2:22
 - geothermal gradient, 117A7:151
 - glacial–interglacial cycles, 117B6:155–156; 18:314
 - heat flow, 117A7:151, 154
 - hydrocarbon gases, 117A2:28; 16:524–525
 - hydrocarbon pyrolytic character, 117B33:547–552
 - hydrogen index, 117A16:524, 526; 117B33:551
 - inorganic geochemistry, 117A2:28–29; 16:520–524

- intersite correlation, 117B6:159
lipids, 117A2:28; 117B25:447; 34:561–566, 568
lithofacies, 117A4:46
lithostratigraphy, 117A16:496, 499–500, 509–510, 536; 117B11:223, 225, 228; 30:500; 36:589
location, 117A1:7; 16:495, 497; 117B1:6; 6:148; 7:162; 8:184; 18:309; 25:446
magnetic properties, 117A2:21–22; 6:65, 67–68; 16:507–509, 511, 527, 536; 117B5:144; 7:174, 177; 18:311–313
magnetostratigraphy, 117A16:507; 117B5:127; 7:173–175, 177
marker horizons, 117A2:22–23, 25; 16:531–533, 538; 18:581–582; 117B6:147–148, 153–156, 159
monsoons, 117A1:6–9
navigation, 117A6:65–68
Neogene, 117B5:131–132
oceanography, 117A1:5–6; 4:45–46
ophiolitic complexes, 117A16:495
organic geochemistry, 117A2:26–28; 16:503, 524–525, 536; 117B25:448–449
organic petrology, 117B36:587–591
organic sulfur compounds, 117B3:67
oxygen isotopes, 117B25:448–449
oxygen-minimum zones, 117B1:8; 18:314–319
Peru margin comparison, 117B30:510, 512
physical properties, 117A2:25–26; 7:151–154; 16:509–511, 514–520, 530–531; 117B11:228; 12:241
Pleistocene periodicities, 117B18:311–319
pore water chemistry, 117A16:520–524, 526; 117B30:499–512
preservation, 117A16:500
principal component analysis, 117B29:493–498
pyrolysis, 117B33:547–560
Quaternary, 117B5:131
redox and carbon flux data, 119B21:402
sea-surface temperature, 117B25:448–449, 451
sediment color, 117B6:155, 160; 12:241–253
sediment mass accumulation rates, 117A16:508, 513; 117B12:250–251
sedimentation rates, 117A5:57; 6:133, 143; 16:508, 513
sediments, 117A4:43; 5:57; 16:529–530
seismic reflection profiling, 117A5:58, 61; 6:66–67, 69, 103–107; 16:498, 515–519
seismic stratigraphy, 117A11:345–346; 16:511–519
silica preservation, 117A16:500–501
site summary, 117B12:240–241
spectral analysis, 117B12:245–247
subsidence history, 117B5:139
summary chart, 117A16:539
synthetic seismogram, 117A16:521
tectonic history, 117A1:5
thermogenic gases, 117A4:49
upwelling, 117A4:47–50; 117B18:315
well-logging, 117A2:29–32; 16:501, 525–531, 540–545; 117B11:223; 29:475, 482
wet bulk vs. optical density, 117B12:243–245, 248
X-ray fluorescence, 117B29:474–475, 478–479
- Site 729
basement structures, 117A4:43
- bathymetry, 117A1:7; 5:57–59; 6:65, 67–68; 17:549; 117B4:90; 8:184; 11:222
biostratigraphy, 117A2:18–21; 17:551–552; 117B1:20–24, 28; 5:127–131, 144
carbonates, 117A17:551
chronostratigraphy, 117B5:132
coring summary, 117A4:47; 17:547, 551
deformation structures, 117A4:43
hydrocarbon gases, 117A2:28
inorganic geochemistry, 117A2:28–29; 17:552–553
lipids, 117A2:28
lithostratigraphy, 117A17:547–548; 117B30:500; 36:589
location, 117A1:7; 17:547, 549; 117B1:6; 6:148; 7:162; 8:184
magnetic properties, 117A2:21–22; 6:65, 67–68
magnetostratigraphy, 117B5:127
marker horizons, 117A18:582; 117B6:147–148
monsoons, 117A1:6–9
navigation, 117A6:65–68
oceanography, 117A1:5–6; 4:45–46
ophiolite complexes, 117A17:547
organic geochemistry, 117A2:26–28; 17:551, 553
organic petrology, 117B36:587–591
oxygen-minimum zones, 117B1:8
physical properties, 117A2:25–26; 5:53; 7:151; 17:552–553
pore water chemistry, 117B30:499–512
sediment mass accumulation rates, 117A17:552–553
sedimentation rates, 117A17:553; 117B5:133, 144
sediments, 117A4:43; 5:57
seismic stratigraphy, 117A5:58, 61, 63; 6:65–66, 69, 103–107; 17:547, 550
shallow-water limestones, 117A17:553
summary, 117A17:551
tectonic history, 117A1:5
upwelling, 117A4:47–50
- Site 730
basement structures, 117A4:43
bathymetry, 117A1:7; 5:57–59; 6:65, 67–68; 18:557; 117B4:90; 8:184; 11:222
biostratigraphy, 117A2:18–21; 18:563–568; 117B1:22–24; 4:91, 93–96, 98–99, 112, 123; 5:127–131, 145
bioturbation, 117A18:556, 559, 561–562, 565
burrowing, 117A18:565
calcium carbonate, 117A18:560
carbonates, 117A18:560, 563
chronostratigraphy, 117B5:132
clay mineralogy, 117B8:191–194
color changes, 117A18:561; 117B6:155
corals, 117A18:560
coring, 117A4:47; 18:555–556, 559
deformation structures, 117A4:43
dissolved organic carbon, 117A18:580
faulting, 117A18:563
glacial–interglacial cycles, 117B6:155–156
hydrocarbon gases, 117A2:28; 18:581
hydrogen index, 117A18:580
inorganic geochemistry, 117A2:28–29; 18:578–579
lipids, 117A2:28

- lithostratigraphy, 117A18:556, 559–562, 568–569, 571, 582; 117B7:179; 30:500; 36:589
- location, 117A1:7; 18:555, 557; 117B1:6; 6:148; 7:162; 8:184
- magnetic properties, 115B41:765; 117A2:21–22; 6:65, 67–68; 18:568–570, 583
- magnetostratigraphy, 117B5:127; 7:175–176
- marker horizons, 117A2:22–23, 25; 18:581–583; 117B6:147–148, 153–156, 159
- Miocene–Pleistocene hiatus, 117A18:563, 582
- monsoons, 117A1:6–9
- navigation, 117A6:65–68
- oceanography, 117A1:5–6
- organic geochemistry, 117A2:26–28; 18:560, 579–581
- organic petrology, 117B36:587–591
- oxygen-minimum zones, 117B1:8
- palygorskite, 117B8:193
- Peru margin comparison, 117B30:510, 512
- physical properties, 117A2:25–26; 7:151; 18:569, 571–576
- pore water chemistry, 117A18:575–576, 578–579; 117B30:499–512
- redox and carbon flux data, 119B21:402
- sediment mass accumulation rates, 117A18:569
- sedimentation rates, 117A6:144; 18:569
- sediments, 117A4:43; 5:57
- seismic reflection profiling, 117A5:58, 61; 6:65–68, 108–112; 18:555, 558, 576–578
- slumping, 117A18:564–565
- smectite, 117B8:193
- summary chart, 117A18:559, 584
- tectonic history, 117A1:5
- turbidites, 117A18:561–563
- upwelling, 117A4:47–50
- Site 731
- alkenone unsaturation index, 117B25:445–449, 452
- bathymetry, 117A1:7; 3:37; 5:55–56; 6:65, 67–68; 19:586; 117B4:90; 8:184; 11:222
- biogenic sediments, 117B11:228–231, 234–236
- biostratigraphy, 117A2:18–21; 19:586–603; 117B2:48–50; 4:91, 93–94, 96, 102, 113–114, 117, 124–125; 5:127–130, 140; 7:168
- carbon isotopes, 117B25:448
- carbonates, 117A18:563; 19:592–593, 620; 117B11:229; 25:448, 452
- chronostratigraphy, 117B5:132
- clay mineralogy, 117B8:186–190, 193
- color density patterns, 117B6:155, 160
- coring, 117A3:36; 19:588–589, 627
- depositional history, 117A3:36, 38; 117B11:223–224
- downhole measurements, 117A19:620–631; 117B29:475, 482, 490, 493, 498
- grain size, 117B11:228
- hydrocarbon gases, 117A2:28
- hydrogen index, 117B36:588
- inorganic geochemistry, 117A2:28–29; 19:616–619
- interhole correlation, 117A2:22–23, 25; 19:627; 117B6:151, 159
- laminated intervals, 117A19:591
- lipids, 117B34:561–566
- lithostratigraphy, 117A3:38–39; 19:588–595, 623, 625–630, 634; 117B7:168; 10:216–218; 11:223–224; 30:500; 36:589
- location, 117A1:7; 3:37; 19:585–586; 117B2:41; 6:148; 7:162, 184; 10:216; 25:446
- magnetic properties, 115B41:765; 117A2:21–22; 6:65, 67–68; 19:603–608
- magnetostratigraphy, 117A19:603–604; 117B5:127; 7:165
- marker horizons, 117A19:627, 631; 117B6:147–153
- microfaulting, 117A19:591
- Miocene–Pliocene hiatuses, 117A3:38; 19:628
- monsoons, 117A1:6–9
- navigation, 117A6:65–68
- oceanography, 117A1:5–6
- opal deposition, 117A3:40–41
- organic geochemistry, 117A2:26–28; 19:593, 618, 620; 117B11:229; 25:448, 452; 36:588
- organic petrology, 117B36:587–591
- oxygen isotopes, 117B25:448, 452
- paleoenvironmental record, 117B8:187–190
- pelagic sediments, 117B11:223–224
- physical properties, 117A2:25–26; 7:151, 154; 19:606–617, 621, 624–626; 117B11:225–228
- Pliocene unconformities, 117A19:589
- pore water chemistry, 117A19:616–618; 117B30:499–512
- principal component analysis, 117B29:493–498
- pyritization, 124B26:364–365
- redox and carbon flux data, 119B21:402
- Rock-Eval pyrolysis, 117A19:620
- sea-surface temperature, 117B25:448, 452
- sediment mass accumulation rates, 117A19:604–606, 608–609
- sedimentation rates, 117A19:604–606, 608–609; 117B5:133, 139; 6:151–153
- sediments, 117A3:41–42; 5:53–55
- seismic reflection profiling, 117A3:38; 5:55; 6:65, 68–69, 113–115; 19:585, 587–588
- slumping, 117A19:591
- stratigraphic depths, 117A19:631; 117B6:152–153
- summary chart, 117A19:632–633
- tectonic history, 117A1:5; 3:39–40; 5:61
- terrigenous sediments, 117B11:231–237
- turbidites, 117A19:594; 117B10:215–219; 29:483
- uplifts, 117A19:595
- upwelling onset, 117A3:40–41
- well-logging, 117A2:29–32; 19:590–593, 618, 620, 635–652; 117B11:223; 29:475, 482
- X-ray fluorescence, 117B29:474–475, 480–498
- Site 732
- basalts, 118A3:49, 54–56; 118B21:380–381
- basement description conventions, 118A1:7–12
- bathymetry, 118A1:4, 6; 3:45; 4:61, 76; 5:79; 6:91; 118B2:22; 4:76; 21:364, 374–375
- biostratigraphy, 118A1:19; 3:48–49
- clay mineralogy, 118B7:146–147
- clinopyroxene, 118B1:10–11, 15, 17
- coring, 118A1:3; 2:25–31, 34–36; 3:42–48
- deformation, 118A3:51–52
- detachment faulting, 118B21:392–393

- diabase, 118A3:49–50
 dredge surveys, 118B21:377, 379–381
 foliated gabbro gneiss, 118A3:52
 gabbros, 118A3:50; 118B6:132–133; 21:381
 geochemistry, 118A3:54; 118B1:4–5; 7:147–149;
 21:382
 geologic setting, 118A1:3–5; 3:43
 hard rock magnetic properties, 118A1:21
 hornblende, 118A3:52
 iron oxide/magnesium oxide ratio, 118B1:19
 lead isotopes, 118B6:137–138
 lithic sandstone, 118A3:50
 lithology, 118A3:42, 49–50, 55–56; 118B7:145, 149;
 21:377, 380
 location, 118A3:42–43; 118B7:145–146; 19:334;
 25:432
 low-temperature alteration, 118A3:53
 magma chambers, 118B1:14
 magnetic anomalies, 118B21:378, 382–389
 median tectonic ridges, 118B21:371–373
 medium-temperature metamorphism, 118A3:51–53
 mineralogy, 118B1:5, 12–13, 18; 7:146–147
 navigation, 118B21:363
 normal faulting, 118B21:394, 396
 olivine, 118B1:6–7, 15, 20
 orthopyroxene, 118A1:14; 118B1:12
 peridotites, 118B21:381
 petrography, 118B6:132–133
 physical properties, 118A1:19–21, 23
 physiography, 118B21:359–361
 plagioclase, 118A3:50–52; 118B1:8–9, 15
 plate tectonics, 118A3:44–45
 primary igneous ilmenite, 118A3:52
 rare earths, 118B3:50; 7:148, 150
 ridge/transform intersection, 118B21:365, 366–368
 rift valley physiography, 118B21:364–366
 SeaBeam survey, 118B21:363–364
 sedimentology, 118A3:48
 seismic reflection profiling, 118A3:46; 118B21:370
 serpentine, 118A3:55
 serpentinite, 125A1:11
 serpentization, 118A3:53–54
 silicates, 118B1:5–6
 site description, 118A3:41–57
 source provinces, 118B7:149
 static hydrothermal alteration, 118A3:53
 strontium/neodymium ratio, 118B6:136
 tectonic evolution, 118A3:43; 118B21:359–396
 television/sonar surveys, 118A3:42–44, 47;
 118B21:373
 trace elements, 118A1:14; 118B1:5–6, 17
 transform tectonic zone, 118B21:368–369, 371, 373,
 376–377, 389–392
 transform valleys, 118A3:43
 ultramafic rock petrography, 118A3:50
 volcanic glass, 118B21:382
- Site 733
- basalts, 118B21:380–381
 basement description conventions, 118A1:7–12
 bathymetry, 118A1:4, 6; 4:61; 5:79; 6:91; 118B2:22;
 4:76; 21:364, 374–375
- biostratigraphy, 118A1:19
 brown metagabbro, 118A4:70–71
 clinopyroxene, 118B1:10–11, 15, 17
 coring, 118A1:3; 2:25–31, 34–36; 4:59–60, 62–64
 deformation, 118A4:67–71
 detachment faulting, 118B21:392–393
 dredge surveys, 118B21:377, 379–381
 foliated metagabbro, 118A4:65
 gabbro, 118A4:67–75; 118B6:132–133; 21:381
 geochemistry, 118A4:71–73; 118B1:4–5; 21:382
 geologic setting, 118A1:3–5; 4:60
 green metagabbro, 118A4:68–69
 hard rock magnetic properties, 118A1:21
 iron oxide/magnesium oxide ratio, 118B1:19
 lead isotopes, 118B6:137–138
 lithostratigraphy, 118A4:60, 63–65; 118B21:377, 380
 location, 118A4:59; 118B19:334; 25:432
 magma chambers, 118B1:14
 magnetic properties, 118A4:60, 73, 75; 118B21:378,
 382–389
 median tectonic ridges, 118B21:371–373
 metabasalt, 118A4:71
 metagabbro, 118A4:67–71, 76; 118B1:5
 mineralogy, 118B1:5, 12–13, 18
 navigation, 118A4:64; 118B21:363
 normal faulting, 118B21:394, 396
 olivine, 118B1:6–7, 15, 20
 orthopyroxene, 118B1:12
 oxides, 118A1:14
 peridotites, 118B21:381
 petrography, 118B6:132–133
 physical properties, 118A1:19–21, 23; 4:60, 73–76
 physiography, 118B21:359–361, 363–364
 plagioclase, 118B1:8–9, 15
 primary mineralogy, 118A4:65–67
 ridge/transform intersection, 118B21:365, 366–368
 rift valley physiography, 118B21:364–366
 sedimentary rock, 118A1:13–18
 seismic reflection profiling, 118A4:62; 118B21:370
 silicates, 118B1:12
 site description, 118A4:59–76
 strontium/neodymium ratio, 118B6:136
 tectonic evolution, 118A4:60; 118B21:359–396
 television/sonar survey, 118A4:60, 62–63
 trace elements, 118A1:14; 118B1:12, 17
 transform tectonic zone, 118B21:368, 371, 373, 376–
 377, 389–392
 troctolite, 118B1:13
 volcanic glass, 118B21:382
- Site 734
- basalts, 118B21:380–381
 basement description conventions, 118A1:7–12
 bathymetry, 118A1:4, 6; 4:61; 5:79; 6:91; 118B2:22;
 4:76; 21:364, 374–375
 biostratigraphy, 118A1:19; 5:84–85
 calcium silicate veins, 118A5:86
 clay mineralogy, 118B7:146–147
 clinopyroxene, 118B1:10–11, 15, 17
 coring, 118A1:3; 2:25–31, 34–36; 5:78–84
 detachment faulting, 118B21:392–393
 dredge surveys, 118B21:377, 379–381

- gabbro, 118B6:132–133; 21:381
 geochemistry, 118A5:86–87; 118B1:4–5; 7:147–149;
 21:382
 geologic setting, 118A1:3–5; 5:79
 gravel, 118B25:432–438
 hard rock magnetic properties, 118A1:21
 iron oxide/magnesium oxide ratio, 118B1:19
 lead isotopes, 118B6:137–138
 lithology, 118A5:78, 85; 118B7:146, 149; 21:377, 380
 location, 118A5:78–79; 118B7:145–146; 19:335;
 25:432
 mafic rock, 118A5:85–86
 magma chambers, 118B1:14
 magnetic anomalies, 118B21:378, 382–389
 mass wasting, 118B25:435
 median tectonic ridges, 118B21:371–373
 metamorphism, 118A5:85–86
 mineralogy, 118B1:5, 12–13, 18; 7:146–147
 navigation, 118A5:82–83; 118B21:363
 normal faulting, 118B21:394, 396
 olivine, 118B1:6–7, 15, 20
 orthopyroxene, 118B1:12
 oxides, 118A1:14
 peridotites, 118A1:19; 5:85; 118B21:381
 petrography, 118A5:85, 87; 118B6:132–133
 physiography, 118B21:359–361
 plagioclase, 118B1:8–9, 15
 rare earths, 118B7:148, 150
 ridge/transform intersection, 118B21:365, 366–368
 rift valley physiography, 118B21:364–366
 SeaBeam survey, 118B21:363–364
 sedimentary sequences, 118A5:87
 sedimentology, 118A5:84; 118B25:433–434
 seismic stratigraphy, 118A5:80–81; 118B21:370
 serpentinites, 118A5:85; 125A1:11
 silicates, 118B1:12
 site description, 118A5:77–87
 source provinces, 118B7:149
 static alteration, 118A5:86
 strontium/neodymium ratio, 118B6:136
 tectonic evolution, 118A5:79; 118B21:359–396
 television/sonar survey, 118A5:80–83
 thermal conductivity, 118A1:19–21, 23
 trace elements, 118A1:14; 118B1:12, 17
 transform tectonic zone, 118B21:371, 373, 376–377
 transtensional transform basin tectonic evolution,
 118B21:389–392
 troctolite, 118B1:13
 volcanic glass, 118B21:382
- Site 735
 alteration, 118A6:138–139, 118B5:120–121; 6:136–
 138; 8:171, 173, 179; 9:207–211; 14:261–263;
 26:488–505; 27:543–546
 aluminum oxide/titanium oxide ratio, 118B6:140
 amphibole, 118A6:105; 118B6:134; 8:165; 9:190–198;
 11:241; 26:497, 499, 501, 504, 506; 27:545, 551;
 153B5:94
 anisotropy, 118B11:234, 236, 240
 apatite, 118B8:167
 basalts, 118A6:117, 147; 118B21:380–381
 basement, 118A1:7–12; 6:89, 98; 118B19:347
 bathymetry, 118A1:4, 6; 4:61; 5:79; 6:91; 118B2:22;
 4:76; 21:364, 374–375; 22:400, 410; 24:416
 biostratigraphy, 118A1:19
 biotite, 118B8:167–168, 180
 borehole logs, 118A6:92, 94, 165–171, 173–179, 191–
 193, 197, 200–203, 205–207, 210; 118B4:98;
 14:262, 264–266; 15:271–281; 19:347; 20:352–
 354; 28:553; 124B6:89; 176A1:25–26; 3:81–96;
 197B5:8–9, 20–21
 breccia, 118B8:165–166, 172–173, 179; 26:535
 calcium/magnesium ratio, 118B26:475
 calcium number, 118B26:477
 carbon, 118B5:117
 cation exchange capacity, 118B18:325–327
 chemical composition, 118A6:147–150; 118B1:12–13
 chlorite, 118B8:167
 chromium, 118B6:136; 26:480
 clinopyroxene, 118B1:10–11, 15, 17; 3:64–66, 69;
 4:97; 8:169
 coring, 118A1:3; 2:25–38; 6:90, 93–97, 178, 180–182;
 118B6:127; 18:324; 20:334–336, 341–342;
 176A3:1–11, 252–253
 corona structure, 118B5:118; 8:163, 165
 deformation, 118A6:90, 103–106, 136–138, 209;
 118B8:155–157, 159, 163, 171–172; 22:399–
 408; 23:409–414; 24:418–423, 425–427; 26:457,
 488–505, 508, 536–537; 153B9:174
 detachment faulting, 118B21:392–393
 diopside, 118B8:180; 26:447; 27:551
 discrete samples, 118B17:309–310, 313–318
 dredge surveys, 118B21:377, 379–381
 drill string packer experiments, 118B19:333–339, 344
 elasticity, 118B11:236
 electrical properties, 118B18:329; 28:555
 epidote, 118B8:168; 27:551
 feldspar, 118B9:198–199, 201
 felsic rocks, 118A6:117–119; 118B26:504–505;
 27:545–546
 fluid flow, 176B4:1–56
 fluid inclusions, 118B9:190, 197, 200–206
 foliation, 118A6:107, 157, 159; 118B16:287; 26:500;
 27:549
 fracturing, 118B14:266–267, 269; 24:419; 26:499,
 505; 27:546; 28:556
 gabbros, 118A6:103, 107, 119–121, 129–134;
 118B2:25–26, 35–36; 3:42, 44–45, 47, 50–51;
 4:84; 6:129–134, 139–141; 8:154–155; 13:253–
 259; 16:285–305; 17:309–320; 18:323–330;
 21:381; 22:399–408; 24:418–427; 26:445, 449,
 484–485, 497; 28:556; 147A1:5; 179A4:8–9;
 179B2:52
 geochemistry, 118A6:139–150; 118B1:4–5; 26:470–
 488, 527–530; 27:546–547; 176A1:16–18; 3:21–
 22, 47–55; 176B3:1–13; 12:1–18
 geologic setting, 118A1:3–5; 6:90–91; 118B2:21–22;
 3:44; 5:113–114; 6:127–128; 9:182; 15:272;
 16:285; 19:347; 26:440–441
 grain-size, 118A6:124, 129; 118B25:436–437
 hornblende, 118B9:188; 27:549
 hydraulic testing, 118B14:266
 hydrogen isotopes, 118B6:129–131, 133, 135–136

- igneous petrology, 118A6:106–107; 118B2:22–27, 38–39; 3:41–44; 5:114–116, 119–120; 26:441–444, 516–526; 176A1:11–14; 3:12–33
- ilmenite-magnetite, 118A6:132–135
- impedance, 118A6:190
- incompatible elements, 118B8:166–167
- intrusive events, 118A6:106; 118B8:154–155, 159, 167; 16:300–302; 26:445, 507–509
- iterative nonhierarchical cluster analysis (INCA), 118B15:273–282
- Koenigsberger ratio, 118A6:153–154; 118B16:290–301, 305
- late-stage differentiation, 118B4:101–102
- late-stage oxidation, 118B27:546
- Layer 3, 118B12:245–250; 13:253–259; 17:320; 18:325; 26:439–513; 27:541–548
- layering, 118A6:121–122, 128
- lead isotopes, 118B6:129–133, 137–139
- leucocratic rocks, 118B8:155; 9:188–189, 198
- liquid immiscibility, 118B4:96–98
- liquid line of descent, 118B4:82–84, 90, 95–101
- lithology, 118A6:89–103, 208–209; 118B1:3–4; 4:77–79; 9:183, 208; 17:311–313; 21:377, 380; 26:444, 449–451, 453–488, 532–533; 27:542–543; 176B6:1–82
- lithostratigraphy, 118B1:4; 2:22; 3:48; 4:77–78; 5:113–114; 6:128–131; 9:186; 11:232; 14:266–267; 15:272; 18:324; 23:410–411; 24:415–417, 424; 26:443; 27:541–543
- location, 118A6:89–90, 207; 118B5:114; 9:182; 14:262; 15:272; 18:324; 19:334, 336, 348; 23:410; 24:416; 25:432
- macroscopic features, 118B6:143
- magma, 118B1:14; 4:101–104; 26:487–488, 508
- magnesium number, 118B26:476
- magnetic properties, 118A1:21; 6:90, 150–157, 198, 209; 7:151, 153, 156; 118B16:285–305, 307, 314–316; 17:309–320; 21:378, 382–389; 23:409–410; 28:554–555; 176A1:22–23; 3:69–77; 176B11:1–69
- magnetostratigraphy, 118B17:310–313
- major oxides, 118A1:14; 3:56, 59; 6:123–125; 118B1:19; 3:67, 69, 4:86–89, 91, 94, 99, 102; 6:127–129, 135–136; 22:402, 406–407; 26:473–474, 478–479
- median tectonic ridges, 118B21:371–373, 392
- melanogranophyres, 118B4:102–103
- melt density, 118B4:98
- metagabbro, 118A6:136, 157; 118B5:120; 8:165; 16:287
- metamorphism, 118A6:90, 129–132, 134–136; 118B8:159–160, 163, 165–174; 27:543–544; 176A1:14–16; 3:33–47
- mica, 118B8:167
- microgabbro, 118A6:118, 130; 118B26:458
- mineralogy, 118A6:99, 125–126; 118B1:5, 12–13, 18; 2:27, 29–31, 33–35; 3:49–56; 4:78–80, 90–96; 8:154, 166–170; 9:184–185, 189–200; 176B8:1–60
- minor elements, 118B3:51, 53, 56
- narrative history, 176B(narrative):1–20
- navigation, 118B21:363
- neodymium isotopes, 118B6:129–133, 139
- nickel, 118B5:120; 6:136
- niobium, 118B6:135
- normal faulting, 118B21:394, 396
- normative vs. microprobe compositions, 118B1:5
- oceanic crust, 123A3:56; 123B27:521
- olivine-bearing gabbros, 118A6:107–111; 118B1:6–7, 15, 20; 2:23; 3:41, 47–48, 52–53, 69; 16:287–288
- olivine gabbro, 118A6:107–111, 125, 146; 118B2:25–28, 32–33; 3:41; 4:79; 16:287–290; 26:445, 447–449, 457–462, 464–469
- olivines, 118B2:25; 3:47–48; 4:90; 8:173; 16:290; 22:401–402; 26:445, 447, 467–468, 481–483, 531
- opaque minerals, 118A6:101; 118B5:114–117
- orthopyroxene, 118A6:122; 118B1:12; 3:53, 60–61
- oxide-bearing gabbro, 118B26:460–461, 469
- oxide-free gabbro, 118B26:475–479
- oxide gabbro, 118A6:112–117, 121, 123, 146–147; 118B3:43, 46–47, 49, 56, 59, 61–62, 71–72; 16:288–289; 26:445, 448, 464, 467, 479–480, 482–483
- oxide-rich gabbro, 118B26:460
- oxide-rich zone correlation, 179B(synthesis):47
- oxygen isotopes, 118B6:129–131, 133, 135–136, 138–139; 8:154, 158, 170–171, 173–174
- parental magma, 118B4:83–86
- peridotites, 118B21:381
- permeability, 118A6:90, 200–205, 210; 118B14:266–268; 19:333–339, 341–343, 345–346; 28:554, 556
- petrography, 118A6:107–122; 118B3:44, 47–48; 4:90; 6:132–133; 9:186–189; 27:542–543
- petrology, 118B4:77–79
- physical properties, 118A1:19–21, 23; 6:90, 157–167, 169, 172–177; 118B10:222–223; 11:227–239, 241–244; 12:246, 247, 250; 13:253–258; 14:261–263; 18:325–328, 331; 19:336–339, 341–342, 344; 28:555; 147B29:490; 176A1:24–25; 3:77–81; 176B2:1–19
- physiography, 118B21:359–361
- plagioclase, 118B1:8–9, 15; 2:30–31, 34; 3:53–56, 62, 64, 69; 4:90–91; 6:139–140; 8:164, 179; 9:188–189; 11:239; 12:251; 22:401–402; 24:419, 421–422
- postkinematic changes, 118B8:159, 160, 163, 165–166
- pressure, 118B9:211–212
- primary mineralogy, 118A6:108–115
- principal component analysis, 118B15:273–274, 283
- principal rock types, 118B2:23–27, 29–31, 33–35; 3:49
- protoliths, 118B26:470
- pseudomorphs, 118B8:163, 165; 27:550
- pyroxene, 118B4:90–91; 8:161–162, 164; 27:549
- radiogenic isotopes, 118B6:131–135
- reaction corona, 118A6:135, 137
- residual melt porosity, 118B4:79–82, 106–107
- revised lithology, 118B8:154
- ridge/transform intersection, 118B21:365–368; 26:498

rift valley physiography, 118B21:364–366
 rubidium, 118B6:135
 salinity, 118B18:327–330
 SeaBeam survey, 118B21:363–364
 seawater circulation and stress, 118B26:505–507
 secondary mineralogy, 118B5:115–118, 120–121;
 9:199–200, 202–203
 seismic stratigraphy, 118A6:93; 178, 180–184, 213;
 118B10:219–225; 12:245–249, 251; 14:264, 266;
 21:370; 26:507; 28:553–554
 shear mylonite, 118B24:421
 silicates, 118A6:126–129; 118B2:24; 4:92–93, 99–100,
 108–111; 176B10:1–60
 site description, 118A6:89–213
 stable isotopes, 118B9:206–207
 static pressure, 118A6:138; 118B27:544
 stratigraphy, 118B26:503–505
 stress, 118B26:505–507; 28:556
 strontium, 118B4:107; 6:129–131, 136, 139–140
 structural geology, 118B8:172–173; 23:409–411, 414,
 417, 424; 176A1:18–22; 3:54–69
 subrift magma chambers, 118B1:14
 sulfides, 118A6:122–129; 118B4:93–95; 176B7:1–29
 sulfur, 118B4:88–89, 99, 101; 5:117–123
 synkinematic changes, 118B8:160, 163, 165–166,
 171; 24:420–421; 26:448, 486–487
 talc, 118B8:167
 tectonic evolution, 118A6:90–91; 118B4:76–77;
 21:359–396; 24:415–429; 26:501–503; 27:541
 textural variations, 118A6:107, 119–121; 118B2:23–
 27
 thermal modeling, 118B20:349–356
 titanite crystals, 118B27:549
 topographic relief, 118A6:207–208
 trace elements, 118A1:14; 6:138, 147, 150; 118B1:5–6,
 12, 17; 3:51, 53, 56–59, 62
 transform tectonic zone, 118B21:371, 373, 376–377
 transverse ridges, 118A6:91; 118B21:368–369, 371
 troctolite, 118A6:111–112, 118, 146; 118B1:13; 2:24–
 25; 3:41; 16:290; 24:427; 26:447–448, 468–469
 trondhjemite, 118A6:147; 118B6:138–139; 9:187;
 26:447–448, 461, 503, 535; 27:545
 uplifted blocks, 118A6:207–208
 veins, 118A6:104, 138; 118B8:159–160, 163, 165–173,
 179; 9:186–187, 189; 11:233; 26:492–496, 506;
 27:545–546, 552; 176B9:1–66
 vertical magnetic field, 118B17:316–317
 vertical seismic profiles, 118A6:182–193, 197;
 118B910:219–221, 225; 28:553–554
 viscous flow in solidifying magma, 118B22:400, 403–
 404
 volcanic glass, 118B4:88; 21:382
 water/rock ratio, 118B8:174
 well-logging, 118A6:96–97, 165, 209–210, 214–222;
 118B28:555–556
 zeolites, 118B8:168; 27:552
 zirconium, 118B6:135

Site 736

basement description convention, 119A2:23–24
 bathymetry, 119A1:6; 3:45; 119B18:349
 biogenic sediments, 119B48:874
 biogeography, 119B48:874
 biology and oceanography, 119A2:35–37
 biostratigraphy, 119A2:24, 26–33, 44; 5:131–135, 140,
 142–144, 156; 119B26:469; 28:514–516, 529–
 537; 29:551–558, 560–561; 30:600, 604–605;
 31:612, 615–616, 619–622; 36:675–680; 46:814,
 816–817, 836–838; 51:933–934
 carbonates, 119A5:142; 119B18:354–355, 357
 clay mineralogy, 119B48:874
 coring, 119A1:7; 2:15–17; 5:124–128
 depositional environment, 119A5:130–131
 dikes, 119A2:24, 44
 drilling deformation, 119A2:15, 17, 19–20; 5:128–129
 extrusives, 119A2:24, 44
 geographic setting, 119A1:5, 7
 geologic setting, 119A5:124; 119B18:353
 glaciation, 119B48:869–875
 glaciogenic sediment, 119A2:22–23
 grain-size, 119A2:21–23, 43–44; 119B17:328
 heat flow, 119A5:153, 156
 high-resolution sampling technique, 119B18:348;
 20:393–399
 hydrocarbon gases, 119A2:34; 5:140
 ice-rafted debris, 119B48:873
 inorganic geochemistry, 119A2:35; 5:137–142;
 119B50:904
 lithostratigraphy, 119A5:129–130, 156
 living bacteria, 119B37:687–689
 location, 119A5:124; 119B16:300; 17:324; 18:350;
 19:376; 24:428; 26:468; 28:513; 43:751; 46:814;
 48:871
 magnetic properties, 119A2:33–34; 3:45; 5:135–139
 magnetobiochronology, 119B46:815, 825, 827
 navigation, 119A3:45, 47–85, 87
 organic geochemistry, 119A2:34–35; 5:140, 142, 156;
 119B6:113; 18:354–355, 357; 50:904
 oxygen isotopes, 119B48:887
 paleoceanography, 119A5:124
 paleoclimatology, 119A5:156
 physical properties, 119A2:37–38; 3:46, 107; 5:126,
 144–153, 156; 119B50:904
 pore water chemistry, 119A3:107; 5:140; 119B18:351,
 356, 358, 372; 20:395, 397–399; 21:402–403;
 50:929
 Rock-Eval pyrolysis, 119A2:35; 5:140, 143
 sediment composition, 119A2:21; 119B18:353–355
 sediment mass accumulation rates, 119A5:139
 sedimentation rates, 119A5:137; 119B21:401–404
 seismic stratigraphy, 119A2:40; 3:45–46, 86, 90, 106–
 107; 5:124–126, 153–155
 stratigraphic column, 119B17:327
 surface water masses, 119B48:872
 tectonic history, 119A1:5, 7
 tephra geochronology, 119B17:336
 total alkalis vs. silica, 119B17:333
 volcanic ash, 119B17:325–326, 328–333;
 120B(1)10:138–139

volcanic glass, 119B17:337–344
 well-logging, 119A2:39–40

Site 737

authigenic silicate formation, 119B11:218–219
 barite, 119B11:217–218
 basement description convention, 119A2:23–24
 bathymetry, 119A1:6; 3:45; 119B18:349
 biogenic sediments, 119B48:874
 biogeography, 119B48:874
 biology and oceanography, 119A2:35–37
 biostratigraphy, 119A2:24, 26–33, 44; 6:173–181, 191,
 193–194, 218; 119B26:470–471, 474; 28:516–
 518, 529–537; 29:551–559, 562–564; 30:600,
 604; 36:675–680; 46:814, 816–817, 840; 48:888;
 120B(2)41:788
 burrows, 119A6:171
 carbonates, 119B18:354–355, 359
 chemical shifts, 119B18:361
 clay mineralogy, 119B48:874
 coring, 119A1:7; 2:15–17; 6:160, 162–164
 depositional environment, 119A6:172–173;
 119B10:195
 diagenesis, 119A6:172
 dikes, 119A2:24, 44
 downhole measurements, 119B14:265; 50:908–909,
 913–914, 918, 920–921, 923–924, 926–927
 drilling deformation, 119A2:15, 17, 19–20; 6:164
 extrusives, 119A2:24, 44
 feldspars, 119B11:217
 geographic setting, 119A1:5
 geologic setting, 119A1:7; 119B18:353
 geotechnical units, 119A6:195
 glaciation, 119B48:869–875
 glaciogenic sediment, 119A2:22–23
 grain-size, 119A2:21–23, 43–44; 119B17:328
 heat flow, 119A6:198–199
 high-resolution sampling technique, 119B18:348,
 20:393–399; 50:903
 hydrocarbon gases, 119A2:32; 6:188
 ice-rafted debris, 119B48:873
 ichnofabrics, 119B33:636–638
 inorganic geochemistry, 119A2:35; 6:185–188, 192–
 194, 196, 219
 laminations, 119A6:170
 lithostratigraphy, 119A6:164, 165–173, 216, 218;
 119B11:212–213; 14:264, 266, 272–279, 285;
 18:359
 location, 119B11:212; 14:264; 16:300; 17:324; 18:350;
 19:376; 24:428; 26:468; 28:513; 43:751; 46:814;
 48:871
 magnetic properties, 119A2:33–34; 3:45; 6:181–189;
 119B43:754, 759
 magnetostratigraphy, 119A6:183, 190, 218;
 119B43:754, 757, 760; 46:815, 828–829, 831,
 833–836
 microfaults, 119A6:171
 mineralogy, 119B11:214–217
 navigation, 119A3:45, 47–85, 87
 Neogene, 119B46:839, 842
 opal, 119B11:218

organic geochemistry, 119A2:34–35; 6:188–191, 192–
 193, 219; 119B18:354–355, 359; 50:904–905
 oxygen isotopes, 119B48:887
 Paleogene, 119B46:840, 843
 physical properties, 119A2:37–38; 3:46, 107; 6:194–
 203; 119B14:275; 18:366; 50:904–905
 pore water chemistry, 119A3:107; 6:191, 197–199,
 204–206; 119B18:351, 354–355, 357, 359–363,
 372; 20:395–399; 50:929–930
 prograding sequences, 119A6:217
 quartz, 119B11:217
 redox and carbon flux data, 119B21:402
 Rock-Eval pyrolysis, 119A2:35; 6:189–191, 196–199
 sedimentation rates, 119A6:183, 185, 191;
 119B21:401–404; 120A7:160; 9:280
 sediments, 119A2:21; 6:172; 119B18:357
 seismic reflection profiling, 119A2:40; 3:45–46, 86,
 91–92, 106–107; 6:160–163, 212–216
 stratigraphic column, 119B17:327
 subchron boundaries, 119B46:841
 surface water masses, 119B48:872
 tectonic history, 119A1:5, 7
 tephra geochronology, 119B17:336
 total alkalis vs. silica, 119B17:333
 trace fossils, 119B33:636–638
 volcanic ash, 119B17:325–326, 328–333, 337–343
 well-logging, 119A6:202–205, 207–210, 221–227;
 119B14:275–277
 X-ray diffraction data, 119B11:221
 zonation, 119B46:814, 816

Site 738

age vs. depth, 120B(2)56:1029
 alteration, 119B16:307, 313–315
 authigenic silicate formation, 119B11:218–220
 barite, 119B11:217–218
 basalt classification, 119B16:302–303
 basement, 119A2:23–24; 119B16:300, 309–311, 315
 bathymetry, 119A1:6; 3:45; 119B18:349
 biogenic sediments, 119B48:874, 884
 biogeography, 119B25:455; 48:874
 biology and oceanography, 119A2:35–37
 biostratigraphy, 114B13:290–291; 119A2:24, 26–33,
 44; 7:244–252, 257, 260–261, 264, 279;
 119B24:428–435; 25:452–455, 457–460; 26:469,
 472–474, 477, 481–482; 27:497–504, 508;
 28:518, 527–537; 29:551–557; 30:600–601, 604;
 31:613–617, 622; 32:631–633; 36:675–680;
 46:814, 816–817, 831–833, 835; 47:856–859;
 48:884, 888; 120B(2)62:1088–1089; 64:1109;
 121B18:395, 406–408
 carbon isotopes, 119B38:697–698, 700–715; 47:859
 carbonates, 119A7:261; 119B10:187, 205; 18:354–
 355, 364; 120A9:305; 120B(2)36:661
 chronostratigraphy, 119B24:438
 clay mineralogy, 119B6:114; 10:194, 198–200; 47:857;
 48:874, 882, 884
 clinopyroxene, 119B16:303–304
 coring, 119A2:15–17; 7:230, 232–235; 119B27:495
 Cretaceous sequences, 119B43:758–759

Cretaceous/Tertiary boundary, 113B33:536;
 119B25:455–459; 33:637–639; 39:721–729;
 46:835; 47:849, 851–854, 857–859, 862–866
 dikes, 119A2:24, 44
 downhole measurements, 119B14:267; 50:909–910,
 924, 927
 drilling deformation, 119A2:15, 17, 19–20
 element stratigraphy calcite-free data, 119B39:728
 elemental ratios, 119B39:727–728
 environmental implications, 119B10:194–195
 extrusives, 119A2:24, 44
 feldspars, 119B11:217; 16:302–303
 geographic setting, 119A1:5
 geologic setting, 119A1:7; 119B18:353
 geotechnical units, 119A7:262, 279
 glacial sediments, 119A2:22–23; 119B10:201–202;
 48:880–888; 120B(1)12:163
 glaciation, 119B10:201; 48:869–875
 grain-size, 119A2:21–23, 43–44; 119B10:190–192,
 206–207
 gray clay layer, 119B47:850
 hiatuses, 119A7:243–246
 high-resolution sampling technique, 119B18:348;
 20:393, 399; 50:903
 hydrocarbon gases, 119A2:34
 ice loading events, 119B48:885–886
 ice-rafted debris, 119B6:120; 10:195, 197–198; 48:873,
 882, 884, 886; 120B(2)56:1011–1012
 inorganic geochemistry, 119A2:35; 7:254–257, 259–
 261; 119B50:905; 120B(1)2:38
 iridium, 119B39:720, 723, 726–729; 47:854–856
 isotope geochemistry, 119B15:294–298; 120B(1)2:39
 lithostratigraphy, 119A7:279, 235–238; 119B10:187;
 14:264, 268; 16:300, 307; 18:364; 38:696
 living bacteria, 119B37:687–689
 location, 119B10:185–186; 11:212; 12:230; 14:264;
 15:293; 16:300; 17:324; 18:350; 19:376; 24:428;
 26:468; 27:495; 28:513; 38:694, 714; 43:751;
 46:814; 48:871
 magma evolution, 119B16:317
 magnetic properties, 119A2:33–34; 3:45; 7:246, 252–
 254; 119B43:757–758, 760–766
 magnetostratigraphy, 119B25:454; 27:501; 46:815,
 822, 825, 832, 834
 major and trace element concentrations,
 119B15:294–295; 16:301–302, 305–308, 312–
 313
 Mesozoic Southern Hemisphere comparisons,
 119B16:315, 317
 mineralogy, 119B14:280–281; 15:293–294
 Miocene-Pliocene transition, 119B13:248–249
 nannofossil-diatom ooze transition, 119B10:195, 202
 navigation, 119A3:45–85, 87
 nonbiogenic matter, 119B10:190
 ocean particulate fluxes, 119A4:109–110
 olivine pseudomorphs, 119B16:302
 opal, 119B10:190; 11:218
 organic geochemistry, 119A2:34–35; 7:257–260;
 119B18:354–355, 364; 50:905
 oxygen isotopes, 119B38:697–698, 700–715; 47:859;
 48:882, 884

pack ice coverage, 119A4:110, 112–113
 paleoceanography, 119A7:279
 palynology, 119A7:252
 pegmatoid schlieren, 119B16:299, 301, 322
 petrogenesis, 119B16:315
 petrography, 119B16:300–301
 physical properties, 119A2:37–38; 3:46, 107; 4:109–
 110; 7:261–269; 119B14:281; 50:905
 polar ordination values, 119B27:502, 504
 pore water geochemistry, 119A7:257–258;
 119B18:351, 356, 365, 367, 372–373; 20:395,
 397–399; 50:930
 preglacial conditions, 119B10:200–201
 quartz, 119B11:217
 rare earths, 119B16:315, 318
 redox and carbon flux data, 119B21:402
 Rock-Eval pyrolysis, 119A2:35
 secondary minerals, 119B16:316
 sediment mass accumulation rates, 119B47:851–853
 sedimentation rates, 119A7:253–256; 119B21:401–404
 sediments, 119A2:21; 119B10:187–190, 204; 18:363–
 364; 120B(1)9:113; 12:163
 seismic stratigraphy, 119A3:45, 86, 93, 106; 7:276–
 277, 279–280
 Shannon-Weaver diversity index, 119B27:502, 504
 sheet silicates, 119B16:301
 source regions, 119B16:317–319
 subchron boundaries, 119B46:833
 surface water masses, 119B48:872
 synthetic seismograms, 119A2:40; 3:45–46, 107;
 7:230–232, 272–275, 277–278
 tectonic history, 119A1:5, 7; 7:280
 terrigenous clay, 119B10:196, 208–209
 vesicle fillings, 119B16:302, 307
 weather summary, 119A7:262
 well-logging, 119A2:39–40; 7:269–273, 276, 280, 283–
 288; 119B14:277–279, 285
 X-ray diffraction data, 119B11:222

Site 739

acoustic units, 119B1:7–13; 2:27–28
 aliphatic hydrocarbons, 119B22:411–413
 amino acids, 119A4:114–117
 analytical methods, 119B34:646–648
 areal distribution, 119B1:13–17
 basement, 119A2:23–24
 bathymetry, 119A1:11; 3:45; 8:291; 119B6:78
 bedrock topography, 119B5:64
 biogenic sediments, 119A4:114; 119B6:112–113;
 48:874
 biogeography, 119B48:874
 biology and oceanography, 119A2:35–37
 biostratigraphy, 119A2:24, 26–33, 44; 8:304–307,
 314–315, 318, 339; 119B26:477–481; 28:518–
 519, 529–531; 29:551–557, 576–577, 584–585;
 30:601, 604–605; 34:648–664; 35:668–673;
 36:676–679; 41:739–744; 46:814, 816–817, 844;
 48:888; 53:942, 944–945; 120B(2)29:524;
 64:1109
 bioturbation, 119B6:109
 carbon isotopes, 119B41:742
 carbonates, 119B19:378

clay mineralogy, 119B6:84, 86–87, 113–114; 48:874
 coal-bearing sediments, 119B4:57–60
 combustible carbon and nitrogen, 119A4:114–115
 coring, 119A2:13, 15–17; 8:290, 292–295, 328
 data processing and availability, 119B1:23–24
 diagenesis, 119A8:303
 diamictites, 119B6:88–89, 107, 120–121; 8:147
 dikes, 119A2:24, 44
 disrupted sequences, 119B1:19
 downhole measurements, 119A4:109–110;
 119B9:177; 14:272; 50:910–911, 914, 916, 918,
 921–922, 924–925, 927–928
 drifting sediment trap deployments, 119A4:111
 drilling deformation, 119A2:15, 17, 19–20; 8:295
 erosion and ice thickness, 119B9:178–179
 extractable organic matter, 119B22:408–413; 48:869–
 870
 extrusives, 119A2:24, 44
 flat-lying sequence, 119B6:107; 48:876
 gastropod shells, 119B6:131
 geographic setting, 119B6:80–81
 geologic setting, 119A1:8–9; 119B1:5–7; 3:46; 4:58;
 6:79–81; 7:133; 9:170; 19:375–377; 22:407;
 119B1:20–22
 geotechnical units, 119A8:319, 325–326
 glacial history, 119B1:18–20; 5:71–73; 6:78–80, 111–
 122; 9:180; 10:201; 19:387–388; 48:875–877,
 880–888
 glaciogenic sediment, 119A2:22–23; 119B6:80, 101,
 103, 105, 114–115; 8:151–152, 155–157; 9:174–
 176
 grain fabrics, 119B6:91–92
 granular sediment classification, 119A2:21–23, 43–44;
 119B6:81, 83; 8:149–150
 hiatuses, 119B6:95, 97, 99
 high-resolution sampling technique, 119B19:376;
 20:393–399; 50:903
 hinterland geology, 119B5:64–68
 hydrocarbon gases, 119A2:34
 ice dynamics, 119B5:62–64
 ice loading events, 119B9:176–181; 48:885–886
 ice-rafted debris, 119B5:73–74; 48:873, 886
 inorganic geochemistry, 119A2:35; 8:310–314;
 119B50:905–906
 isotopic values, 119B41:739–745
 Lambert Glacier-Amery Ice Shelf, 119B5:70–71
 lithofacies, 119B6:86, 88–92, 94, 103, 105, 107
 lithostratigraphy, 119A8:294–304, 328, 339;
 119B6:93, 95, 99–101, 127–128; 8:145; 14:269,
 273, 283–287; 48:877
 living bacteria, 119B37:687–689
 location, 119B1:6; 7:135; 14:264; 16:300; 19:376;
 24:428; 26:468; 28:513; 34:647; 35:668; 43:751;
 46:814; 48:871
 magnetic properties, 119A2:33–34; 3:45; 8:305, 308–
 310
 magnetobiochronology, 119B46:815, 837
 metamorphic clasts, 119B7:134–135, 137–139
 mineralogy of lithologic correlation, 119B14:286
 mixed facies, 119B10:109
 morphology, 119A2:7–8

navigation, 119A3:45, 47–85, 87–88
 ocean particulate fluxes, 119A4:109–110, 114
 opal, 119B6:84
 organic geochemistry, 119A2:34–35; 8:313–314;
 119B19:378; 50:905–906
 oxygen isotopes, 119B41:742; 48:887
 pack ice coverage, 119A4:110, 112–113
 paleoclimatic background, 119A1:9–10, 13
 physical properties, 119A2:37–38; 3:46, 107; 8:315–
 328, 339; 119B8:150–152, 154–156; 14:283,
 285; 178B19:18
 plant pigments, 119A4:118–120
 pore water geochemistry, 119A8:311; 119B19:377–
 378, 380–391; 41:740–741; 50:930–931
 prograding sequence, 119B48:876, 880
 quality, 119A8:328
 Quaternary sediments, 119A8:315
 redox and carbon flux data, 119B21:402
 reflection profiling, 119A3:45, 86, 94, 106; 119B1:7,
 10; 2:36–37
 refraction data, 119B2:28–29
 rhythmites, 119B6:108
 Rock-Eval pyrolysis, 119A2:35; 119B19:380; 22:409
 sand/mud ratio, 119B6:96
 sedimentary succession, 119B6:106
 sedimentation, 119A8:310; 119B21:401–404
 sediments, 119A2:21; 119B6:81–85; 19:379–380
 seismic stratigraphy, 119A1:9, 11–12; 3:45–46, 107;
 8:290–294, 333–340; 119B2:30–31, 35
 shapes, 119B6:98
 shipboard analysis, 119B8:147–149, 160–163
 Site 742 correlation, 119A11:442, 446–447
 size relationships, 119B36:677–678, 680
 slumping, 119B6:112
 stable isotopes, 119A4:114–117
 stratigraphic logs, 119B6:102, 119; 19:381; 29:581;
 48:878
 strontium isotopes, 119B46:844
 structural features, 119B1:17–18; 5:68–70
 summary log, 119A8:342–344
 surface water masses, 119B48:872
 synthetic seismograms, 119A2:40; 8:331–332
 systematics, 119B28:531–537
 thermodynamic modeling, 119B19:389–391
 water content, 119B50:905–906
 weather summary, 119A8:315
 well-logging, 119A2:39–40; 8:329–331; 119B14:283–
 285

Site 740
 Amery group correlation, 119B45:797, 804
 amino acids, 119A4:114–117
 arkosic wackes, 119B3:56
 basement description convention, 119A2:23–24
 bathymetry, 119A1:11; 3:45; 119B6:78
 bedrock topography, 119B5:64
 biogenic sediments, 119A4:114; 119B6:112–113;
 48:874
 biogeography, 119B48:874
 biology and oceanography, 119A2:35–37
 biostratigraphy, 119A2:24, 26–33, 44; 9:356–357,
 363–365; 119B26:477; 29:551–557; 30:601,

604–605; 34:646–664; 35:668–673; 36:675–680;
 46:814, 816–817; 53:941–942
 carbonates, 119B19:378, 389–391
 channel deposits, 119B3:53–54
 clasts, 119B7:138–139
 clay mineralogy, 119B3:51; 6:84, 86, 113–114; 48:874
 coal-bearing sediments, 119B4:57–60
 combustible carbon and nitrogen, 119A4:114–115
 coring, 119A1:13; 2:15–17; 9:345–346, 349, 372
 data processing and availability, 119B1:23–24
 diamictites, 119B6:88–89, 120–121
 dikes, 119A2:24, 44
 drifting sediment trap deployments, 119A4:111
 drilling deformation, 119A2:15, 17, 19–20
 erosion and ice thickness, 119B9:178–179
 extrusives, 119A2:24, 44
 fining-upward sequences, 119A9:353, 356; 119B3:47–
 48, 52
 flat-lying sequences, 119B6:107
 garnet grains, 119B3:52
 geographic setting, 119B6:80–81
 geologic setting, 119A2:8–9; 119B1:5–7, 20–22; 3:46;
 4:58; 6:79–81; 7:133; 9:170; 19:375–377
 geophysical logs, 119B9:177
 glacial sediment, 119A2:22–23; 119B5:71–73; 6:80,
 101, 103, 114–115; 8:151–152, 155–157; 9:174–
 176; 19:387–388
 glaciation, 119B6:78–80, 115–122; 9:180; 48:869–877,
 880–888
 granular sediment classification, 119A2:21–23, 43–44
 hiatuses, 119B6:95, 97, 99
 hinterland geology, 119B5:64–68
 hydrocarbon gases, 119A2:34; 18:363
 hydrogen isotopes in pore water, 119B19:384
 ice dynamics, 119B5:62–64
 ice loading, 119A9:368; 119B9:176–181; 48:885–886
 ice-rafted debris, 119B5:73–74; 48:873, 886
 inorganic geochemistry, 119A2:35; 9:358, 360–363,
 374; 119B3:53
 Lambert Glacier-Amery Ice Shelf, 119B5:70–71
 lithofacies, 119B6:86, 88–92, 103, 105, 107
 lithostratigraphy, 119A19:349–356; 119B6:125;
 9:350–356
 living bacteria, 119B37:687–689
 location, 119B1:6; 7:135; 16:300; 19:376; 24:428;
 26:468; 28:513; 34:647; 35:668; 42:747; 43:751;
 45:796; 46:814; 48:871
 magnetic properties, 119A2:33–34; 3:45; 9:357–359;
 119B44:773; 45:797–805
 magnetobiochronology, 119B46:815, 836
 meteoric water incursion, 119B19:388
 morphology, 119A1:7–8
 navigation, 119A3:45, 47–85, 87–88
 ocean particulate fluxes, 119A4:109–110, 114
 organic geochemistry, 119A2:34–35; 9:362–363, 374–
 375; 119B3:53; 6:113; 19:378
 oxygen isotopes in pore waters, 119B19:384
 pack ice coverage, 119A4:110, 112–113
 paleoclimatic background, 119A1:9–10, 13
 paleogeographic reconstruction, 119B45:804, 806–807
 petrography, 119B3:50–52

physical properties, 119A2:37–38; 3:46, 107; 9:365–
 371, 375; 119B8:150–152, 154–156
 plant pigments, 119A4:118–120
 pore water chemistry, 119A3:107; 4:109–110; 9:360–
 362; 119B19:376–378, 380, 383–384, 388–399,
 391
 preglacial depositional environment, 119B1:18
 productivity, 119A9:364–365
 prograding sequences, 119B48:876
 red beds, 119A9:354, 356, 374; 119B3:47, 54; 45:798–
 804
 redox and carbon flux data, 119B21:402
 Rock-Eval pyrolysis, 119A2:35
 sandstone mineralogy, 119B3:51
 sediment classification, 119A2:21; 119B3:45–50;
 6:81–84; 8:149–150; 19:383
 sedimentation rates, 119A9:358; 11:401–434;
 119B21:402–403
 seismic stratigraphy, 119A2:9, 11–12, 40; 3:45–46, 86,
 95, 106–107; 9:346–349, 369–370, 372–373;
 119B1:7–17; 2:27–29; 6:99–101
 shipboard analysis, 119B8:147–149, 163–164
 stable isotopes, 119A4:114–115
 structural features, 119B1:17–18; 5:68–70
 sulfur content, 119B6:113
 surface water masses, 119B48:872
 unconsolidated sediment Holocene chronology,
 119B42:747–750
 well-logging, 119A2:39–40; 119B2:32–33

Site 741
 alkalinity, 119B19:388–389
 basement description convention, 119A2:23–24
 bathymetry, 119A1:11; 3:45; 119B6:78
 bedrock topography, 119B5:64
 biogenic sediments, 119A4:114; 119B6:112–113;
 48:874
 biogeography, 119B48:874
 biology and oceanography, 119A2:35–37
 biostratigraphy, 119A2:24, 26–33, 44; 10:382–384,
 388, 390; 119B26:477; 29:551–557; 30:601, 604,
 605; 34:646–664; 35:668–673; 36:675–680;
 46:814, 816–817; 53:941–943
 carbonates, 119B19:378
 clasts, 119B7:138–139
 clay mineralogy, 119B6:84, 86, 113–114; 48:874
 coal-bearing sediments, 119B4:57–60; 45:795
 combustible carbon and nitrogen, 119A4:114–115
 coring, 119A1:13; 2:15–17; 10:377–378, 380, 394
 data processing and availability, 119B1:23–24
 diamicts, 119B6:88–89, 120–121
 dikes, 119A2:24, 44
 drifting sediment trap deployment, 119A4:111
 drilling deformation, 119A2:15, 17, 19–20
 extrusives, 119A2:24, 44
 fecal pellets, 119B35:670–671
 fluvio-lacustrine sediments, 119B4:59
 geographic setting, 119B6:80–81
 geologic setting, 119A1:8–9, 20–22; 119B1:5–7; 3:46;
 4:58; 6:79–81; 7:133; 9:170; 19:375–377; 22:407
 geophysical logs, 119B9:177
 geotechnical units, 119A10:390–391

- glacial history, 119B5:71–73, 78–80, 114–122; 9:180; 48:869–877, 880–888
- glaciogenic sediment, 119A2:22–23; 119B6:101, 103, 114–115; 8:151–152, 155–157; 9:174–176
- glaciomarine deposition, 119B6:80
- hiatuses, 119B6:95, 97, 99
- hinterland geology, 119B5:64–68
- hydrocarbons, 119A2:34; 4:114–117; 119B22:410–412, 414–415; 23:418–423
- ice dynamics, 119B5:62–64
- ice loading events, 119B9:176–181; 48:885–886
- ice-rafted debris, 119B5:73–74; 48:873, 886
- inorganic geochemistry, 119A5:135; 10:384, 386, 395
- Lambert Glacier-Amery Ice Shelf, 119B5:70–71
- lithofacies, 119B6:86, 88–92, 103, 105, 107
- lithostratigraphy, 119A10:380–381, 392–395; 119B6:93, 125–126
- location, 119B1:6; 7:135; 16:300; 19:376; 23:417; 26:468; 28:513; 34:647; 35:668; 43:751; 45:796; 46:814; 48:871
- magnetic properties, 119A2:33–34; 3:45; 10:384–385
- magnetobiochronology, 119B46:815, 836–837
- morphology, 119A12:7–8
- navigation, 119A3:45, 47–85, 87–88
- ocean particulate fluxes, 119A4:109–110, 114
- organic geochemistry, 119A2:34–35; 10:385–387, 395; 119B6:113; 19:378
- oxygen isotopes, 119B13:249
- pack ice coverage, 119A4:110, 112–113
- paleoclimatology, 119A1:9–10, 13
- physical properties, 119A2:37–38; 3:46, 107; 4:109–110; 10:389–392, 395; 119B8:150–152, 154
- plant pigments, 119A4:118–120
- pore water geochemistry, 119A3:107; 10:386; 119B8:154–156; 19:376–378, 380, 384–385, 388–389, 391
- preglacial depositional environment, 119B1:18
- prograding sequences, 119B10:187
- redox and carbon flux data, 119B21:402
- Rock-Eval pyrolysis, 119A2:35; 10:386–388; 119B22:409
- sedimentation rates, 119A10:384; 11:401–404
- sediments, 119A2:21–23, 43–44; 119B6:81–84; 8:149–150; 19:383–384; 120A5:82
- seismic stratigraphy, 119A1:9, 11–12; 3:45–46; 86, 96, 106–107; 10:392–394; 119B1:7–17, 25; 2:27–29, 36–37; 6:99–101; 19:378–380, 387–388
- shipboard analysis, 119B8:147–149, 164
- site correlation, 119A11:446
- stable isotopes, 119A4:114–115
- structural features, 119B1:17–18; 5:68–70
- sulfur content, 119B6:113
- surface water masses, 119B48:872
- synthetic seismograms, 119A2:40
- velocity logs, 119B2:33–34
- well-logging, 119A2:39–40
- wind and weather summary, 119A10:388
- Site 742
- amphibolite facies, 119A11:453
- basement description convention, 119A2:23–24
- bathymetry, 119A1:11; 3:45; 119B6:78
- bedrock topography, 119B5:64
- biogenic sediments, 119A4:114; 119B6:112–113; 48:874
- biogeography, 119B48:874
- biology and oceanography, 119A2:35–37
- biostratigraphy, 119A2:24, 26–33, 44; 11:413–415, 423, 425; 119B26:477; 29:551–557; 30:601, 604–605; 34:646–664; 35:668–673; 36:675–680; 41:744; 46:814–817, 845; 53:941–944; 188B3:14
- carbonates, 119B19:378, 389–391
- clasts, 119A11:452–453; 119B6:97; 7:137–139
- clay mineralogy, 119B6:84, 86, 113–114; 48:874
- coal-bearing sediments, 119B4:57–60
- combustible carbon and nitrogen stable isotopic fractionation, 119A4:115, 117
- coring, 119A1:13; 2:15–17; 11:397–398; 20:400, 402
- data processing and availability, 119B1:23–24
- depositional environment, 119A11:448–451
- diamictites, 119B6:120–121
- diamicts, 119B6:88–89, 107
- dikes, 119A2:24, 44
- drifting sediment trap deployments, 119A4:111
- drilling deformation, 119A2:15, 17, 19–20; 11:403
- erosion and ice thickness, 119B9:178–179
- extrusives, 119A2:24, 44
- fecal pellets, 119B35:670–671
- flat-lying sequences, 119B6:107; 48:876
- geographic setting, 119B6:80–81
- geologic setting, 119A1:8–9; 119B1:5–7, 20–22; 3:46; 4:58; 6:79, 80–81; 7:133; 9:170; 19:375–377
- geophysical logs, 119B9:177; 14:270
- geotechnical units, 119A11:426, 428
- glacial history, 119B1:18–20; 5:71–73; 6:78–80, 115–122; 9:180; 10:201; 19:387–388; 48:869–870, 873–877, 880–888
- glaciogenic sediment, 119A2:22–23; 119B6:101, 103, 114–115; 8:151–152, 155–157; 9:174–176
- glaciomarine deposition, 119B6:80
- granular sediment classification, 119A2:21–23, 43–44; 119B6:91–92, 94
- gravel, 119B6:82
- hiatuses, 119B6:95, 97, 99
- hinterland geology, 119B5:64–68
- hydrocarbons, 119A2:34; 11:420–423; 119B23:418–423
- hydrogen isotopes, 119B19:387
- ice dynamics, 119A11:452; 119B5:62–64; 9:176–181; 48:885–886
- ice-rafted debris, 119B5:73–74; 48:873, 886
- inorganic geochemistry, 119A2:35; 11:415, 418–420, 423
- Lambert Glacier-Amery Ice Shelf, 119B5:70–71
- lithofacies, 119A11:453–454; 119B6:86, 88–92, 103, 105, 107–108, 110
- lithostratigraphy, 119A11:402–413, 436–437, 448–451; 119B6:93, 126–127; 8:146; 14:269, 271, 279–286; 24:443–446, 451–452; 43:759–760, 768; 48:877
- living bacteria, 119B37:687–689

- location, 119A11:397; 119B1:6; 7:135; 14:264;
 16:300; 19:376; 23:417; 24:428; 26:468; 28:513;
 34:647; 35:668; 43:751; 46:814; 48:871
- magnetic properties, 119A2:33–34; 3:45; 11:415–417;
 119B25:451; 43:769–770
- magnetostratigraphy, 119B46:815, 837–838, 843, 845
- Miocene–Pliocene transition, 119B13:248–249
- morphology, 119A1:7–8
- mudstone, 119B6:111
- navigation, 119A3:45, 47–85, 87–88
- ocean particulate fluxes, 119A4:109–110, 114
- opal, 119B6:84
- organic geochemistry, 119A2:34–35; 11:420–424;
 119B6:113; 19:378
- oxygen isotopes, 119B19:387
- pack ice coverage, 119A4:110, 112–113
- paleoclimatology, 119A1:9–10, 13
- physical properties, 119A2:37–38; 3:46, 107; 4:109–
 110; 11:425–435; 119B8:150–151, 152, 154–
 156; 14:274, 281; 25:451
- plant pigments, 119A4:118–120
- pore water geochemistry, 119A3:107; 11:418–420,
 428, 431; 119B19:376–378, 380, 385, 387–389,
 391
- prograding sequences, 119B48:876, 880
- redox and carbon flux data, 119B21:402
- refraction data, 119B2:28–29
- Rock-Eval pyrolysis, 119A2:35; 11:422, 424, 426;
 119B19:380
- sand/mud ratio, 119B6:95
- sedimentation rates, 119A11:415; 119B21:401–404
- sediments, 119A2:21; 119B6:81–84, 99, 105; 7:135,
 137; 8:149–150; 19:385; 48:870–873
- seismic reflection profiling, 119A1:9, 11–12; 3:45–46,
 86, 97–99, 106, 107; 11:398–402, 443; 119B1:7–
 17; 2:27–28 36–37; 6:99–101
- shipboard analysis, 119B8:147–149, 164–166
- site correlation, 119A11:446–447; 188B8:1–21
- slumping, 119B6:112
- stratigraphic intervals, 119B6:101, 119; 19:386;
 48:878
- structural features, 119B1:17–18; 5:68–70
- sulfur content, 119B6:113
- surface water masses, 119B48:872
- synthetic seismograms, 119A2:40; 11:437–443;
 188A4:41; 188B10:3, 11
- velocity logs, 119B2:29–30, 34–35
- well-logging, 119A2:39–40; 11:435–436, 442, 451,
 455–458
- wind and weather summary, 119A11:426
- Site 743
- basement description convention, 119A2:23–24
- bathymetry, 119A1:11; 3:45; 119B6:78
- bedrock topography, 119B5:64
- biogenic sediments, 119B6:112–113; 48:874
- biogeography, 119B48:874
- biology and oceanography, 119A2:35–37
- biostratigraphy, 119A2:24, 26–33, 44; 12:465–468;
 119B26:477; 29:551–557; 30:601; 34:646–664;
 35:668–673; 36:675–680; 41:740; 46:814, 816–
 817
- carbon isotopes, 119B41:740, 742
- carbonates, 119B19:378, 389–391
- clasts, 119B7:135, 137, 138–139
- clay mineralogy, 119B6:84, 86, 113–114; 48:874
- coal-bearing sediments, 119B4:57–60
- coring, 119A1:13; 5:15–17; 12:459–460, 474–475
- data processing and availability, 119B1:23–24
- depositional environment, 119A12:475
- diamictites, 119B6:88–89, 120–121
- dikes, 119A2:24, 44
- drilling deformation, 119A2:15, 17, 19–20; 12:461–
 462
- erosion and ice thickness, 119B9:178–179
- extrusives, 119A2:24, 44
- geographic setting, 119B6:80–81
- geologic setting, 119A1:8–9; 119B1:5–7, 20–22; 3:46;
 4:58; 6:79, 80–81; 7:133; 9:170; 19:375–377
- geophysical logs, 119B9:177
- geotechnical units, 119A12:469–470
- glacial history, 119B5:71–73; 6:78–80, 115–122;
 9:180; 19:387–388; 48:869–877, 880–888
- glaciogenic sediment, 119A2:22–23; 119B6:101, 103,
 114–115; 8:151–152, 155–157; 9:174–176
- glaciomarine deposition, 119B6:80
- granular sediment classification, 119A2:21–23, 43–44;
 119B6:81, 94; 8:149–150
- hiatuses, 119B6:95, 97, 99
- hinterland geology, 119B5:64–68
- hydrocarbon gases, 119A2:34; 12:466
- ice dynamics, 119B5:62–64
- ice loading events, 119B9:176, 178–181; 48:885–886
- ice-rafted debris, 119B5:73–74; 48:873, 886
- inorganic geochemistry, 119A2:35; 12:465–466
- Lambert Glacier-Amery Ice Shelf, 119B5:70–71
- lithofacies, 119B6:86, 88–92, 103, 105, 107
- lithostratigraphy, 119A2:460–465, 473, 485;
 119B6:95, 128; 8:146
- location, 119A12:459; 119B1:6; 7:135; 16:300;
 19:376; 24:428; 26:468; 28:513; 34:647; 35:668;
 43:751; 46:814; 48:871
- magnetic properties, 119A2:33–34; 3:45; 25:465
- magnetobiochronology, 119B46:815, 846
- morphology, 119A1:7–8
- navigation, 119A3:45, 47–85, 87, 89
- organic geochemistry, 119A2:34–35; 12:466–467, 475;
 119B6:113; 19:378
- oxygen isotopes, 119B41:740, 742
- pack ice coverage, 119A4:110, 112–113
- paleoclimatology, 119A1:9–10, 13
- physical properties, 119A2:37–38; 3:46; 4:109–110;
 12:468–473, 475; 119B8:150–152, 154–156
- pore water geochemistry, 119A12:466; 119B19:376–
 378, 380, 385–389, 391
- prograding sequences, 119A12:459, 474; 119B48:876
- redox and carbon flux data, 119B21:402
- Rock-Eval pyrolysis, 119A2:35; 12:466, 468–469
- sedimentation rates, 119B21:401–404
- sediments, 119A2:21; 119B6:81–84; 19:385
- seismic stratigraphy, 119A2:9, 11–12; 3:45–46, 86,
 100–101, 106; 12:475; 25:460; 119B1:7–17;
 2:27–29, 36–37; 6:99–101

shipboard analysis, 119B8:147–149, 166–167
 structural features, 119B1:17–18; 5:68–70
 sulfur content, 119B6:113
 surface water masses, 119B48:872
 synthetic seismograms, 119A2:40
 well-logging, 119A2:39–40
 wind and weather summary, 119A12:469

Site 744

age vs. depth, 120B(2):56:1030
 authigenic silicate formation, 119B11:218–219
 barite, 119B11:217–218
 basement description convention, 119A2:23–24
 bathymetry, 119A1:6; 3:45; 119B18:349
 bathythermograph, 119A13:494
 biogenic sediments, 119B48:874, 884
 biogeography, 119B48:874
 biology and oceanography, 119A2:35–37
 biostratigraphy, 119A2:24, 26–33, 44; 13:484–488,
 493–495, 503; 119B24:431, 435–437; 26:474–
 476, 482, 485–486; 28:519, 522–523, 527, 529–
 537; 29:551–557, 564–574, 586–587; 30:599,
 601, 604–605; 31:614–615, 618–619, 622;
 36:675–680; 44:781–782; 46:814, 816–817, 824–
 828; 48:884, 888; 51:933–934; 120A4:71;
 120B(2):29:525, 529; 41:788; 56:1109
 carbon isotopes, 119B38:696–699, 704, 709–710,
 714–715
 carbonates, 119A13:493–494; 119B10:187, 189–190;
 18:367; 38:696–699, 704–715; 52:935–939;
 120B(2):36:661
 chronostratigraphy, 119B24:437–438
 clay mineralogy, 119B6:114; 10:194; 48:874
 coring, 119A2:15–17; 13:478–480; 26:478
 dikes, 119A2:24, 44
 drifting sediment trap deployments, 119A6:111
 drilling deformation, 119A2:15, 17, 19–20
 environmental implications, 119B10:194–195, 199–
 200
 Eocene, 119B48:882
 extrusives, 119A2:24, 44
 feldspars, 119B11:217
 geochemical logs, 119B50:911, 925, 928
 geographic setting, 119A1:5
 geologic setting, 119A2:7; 119B18:353
 geophysical units, 119A13:495
 glacial history, 119B10:201–202; 13:248; 48:869–875;
 120B(1):12:163
 glaciogenic sediment, 119A2:22–23
 granular sediment classification, 119A2:21–23, 43–44
 heat flow, 119A13:499
 hydrocarbon gases, 119A2:34; 13:491
 ice-rafted debris, 119B6:120; 10:195, 197–198; 48:873,
 882, 884, 886; 120B(2):56:1011–1012
 inorganic geochemistry, 119A2:35; 26:490–491, 493–
 494; 119B50:906
 lithostratigraphy, 119A13:479–484, 500–503;
 119B10:187; 11:213–214; 38:696; 44:771–772;
 52:935
 living bacteria, 119B37:687–689

location, 119B10:185–186; 11:212; 16:300; 17:324;
 18:350; 19:376; 24:428; 26:468; 28:513; 38:694,
 714; 40:731, 751; 46:814
 magnetic properties, 119A2:33–34; 3:45; 13:488–490,
 503; 119B44:783–794; 44:772–773, 780–781;
 49:895–898
 magnetostratigraphy, 119B46:815, 819–822, 824–825
 mineralogy, 119B11:215–217
 Miocene hiatuses, 119B52:936
 nannofossil–diatom ooze transition, 119A27:503;
 119B10:195, 202
 navigation, 119A3:45, 47–85, 87, 89
 nonbiogenic matter, 119B10:190–191, 193, 207–208
 ocean particulate fluxes, 119A6:109–110, 114
 Oligocene, 119B48:884
 opal, 119B10:190; 11:218; 48:882
 organic geochemistry, 119A2:34–35; 26:491, 493;
 27:503; 119B6:113; 10:190; 18:367; 50:906
 oxygen isotopes, 119B37:696, 698–699; 38:704–715;
 46:826–828; 48:882, 884, 887; 52:936–939
 pack ice coverage, 119A4:110, 112–113
 Paleogene, 119B46:830
 physical properties, 119A2:37–38, 46; 27:495–501,
 503
 plant pigments, 119A6:118–120
 pore water geochemistry, 119A13:491–492;
 119B18:348, 351, 367–369, 372–373; 20:393–
 399; 50:903, 931
 preglacial conditions, 119B10:200–201
 quartz, 119B11:217
 redox and carbon flux data, 119B21:402
 Rock-Eval pyrolysis, 119A2:35
 sedimentation rates, 119A13:490; 119B21:401–404
 sediments, 119A2:21; 119B10:187–190, 204–205;
 18:367
 seismic reflection profiling, 119A3:45–46, 86, 102,
 106
 sources, 119B10:198–199
 strontium isotopes, 119B21:402; 40:732–736; 44:921,
 923; 46:826–828, 830
 subchron boundaries, 119B46:826–828
 surface water masses, 119B48:872
 synthetic seismograms, 119A2:40
 tectonic history, 119A1:5, 7
 temperature, 119A13:499–500
 terrigenous clay, 119B10:197, 209–210
 water content, 119B50:906
 well-logging, 119A2:39–40
 wind and weather summary, 119A13:494
 X-ray diffraction data, 119B12:223

Site 745

basement description convention, 119A2:23–24
 bathymetry, 119A2:6; 3:45; 119B18:349
 bathythermograph, 119A14:525
 biogenic sediments, 119B48:874
 biogeography, 119B48:874
 biology and oceanography, 119A2:35–37
 biostratigraphy, 119A2:24, 26–33, 44; 14:514–516,
 519–520, 526, 530; 119B28:516, 519–521, 524–
 526, 529–537; 29:551–558, 573–576, 586–587;

30:601, 604–605; 36:675–680; 46:814, 816–817, 819; 120B(2)41:789
 bottom current influence, 119A14:530
 carbonates, 119B12:230; 18:369
 clasts, 119A14:530; 119B12:228–229; 13:257
 clay mineralogy, 119B12:237, 242, 244–245, 259–260; 48:874
 coring, 119A2:7; 3:15–17; 14:505–507, 510
 deepwater circulation, 119B12:232
 diatomaceous clay, 119B13:252
 dikes, 119A2:24, 44
 downslope transport, 119B12:230–231
 drilling deformation, 119A2:15, 17, 19–20; 14:508–509
 environmental setting, 119B13:244, 246–247
 extrusives, 119A2:24, 44
 geochemical logs, 119B50:912, 914, 916, 922, 925, 928; 53:945
 geographic setting, 119A1:5
 geologic setting, 119A1:7; 119B18:353
 glacial history, 119B13:247–249; 48:869–875
 glaciogenic sediments, 119A2:22–23
 granular sediments, 119A2:21–23, 43–44; 119B13:243
 hydrocarbon gases, 119A2:34; 14:519
 ice-rafted debris, 119A14:530; 119B6:120; 10:195; 12:231–232; 13:247; 48:873
 inorganic geochemistry, 119A2:35; 14:516–518, 522; 119B50:906
 lithostratigraphy, 119A14:508–514, 530
 location, 119A14:505; 119B12:226, 239; 16:300; 17:324; 18:350; 19:376; 24:428; 26:468; 28:513; 43:751; 46:814
 magnetic properties, 119A2:33–34; 3:45; 14:516–518; 119B43:752–754, 757, 761; 49:895, 900–901
 magnetostratigraphy, 119B43:752–753, 756, 760; 46:815, 817–818, 820
 navigation, 119A3:45, 47–85, 89
 organic geochemistry, 119A2:34–35; 14:518–519, 520–523, 530; 119B18:369; 50:906
 origin, 119B12:229–232
 oxidation-reduction potential, 119B18:371
 oxygen isotopes, 119B48:887
 physical properties, 119A2:37–38; 3:46, 107; 14:520, 522–525, 527–530, 532–533
 pore water geochemistry, 119A3:107; 14:520–522, 524; 119B18:348, 351, 369–373, 20:393–399; 50:903, 931
 productivity, 119B12:229–230
 quartz, 119B12:237
 redox and carbon flux data, 119B21:402
 Rock-Eval pyrolysis, 119A2:35; 14:519, 523–524
 sedimentary cycles, 119B12:226–229; 13:240–241
 sedimentation rates, 119A14:516; 119B21:401–404
 sediments, 119A2:21; 119B12:227–229, 235, 254–256; 18:369
 seismic reflection profiling, 119A3:45–46, 86, 103–104, 106–107; 14:506–509, 525–526, 530, 534; 15:537–538
 stratigraphic column, 119B17:327
 subchron boundaries, 119B46:819
 surface water masses, 119B48:872

synthetic seismograms, 119A2:40
 tectonic history, 119A2:5, 7
 tephra, 119B17:328, 336
 terrigenous component, 119B12:229, 236; 13:240, 242–243
 total alkalis vs. silica, 119B17:333–334
 volcanic ash, 119B17:325–326, 328–333
 volcanic glass geochemistry, 119B17:337–343
 water content, 119B50:906
 well-logging, 119A2:39–40
 wind and weather summary, 119A7:258; 14:525

Site 746
 basement description convention, 119A2:23–24
 bathymetry, 119A2:6; 3:45; 119B18:349
 biogenic sediments, 119B48:874
 biogeography, 119B48:874
 biology and oceanography, 119A2:35–37
 biostratigraphy, 119A2:24, 26–33, 44; 15:542–544; 119B26:476; 28:525–527, 529–537; 29:551–557, 575, 578–579, 586–587; 36:675–680; 46:814–817, 821–822; 48:888; 120B(2)41:789
 carbonate critical depth, 119B12:230
 carbonates, 119B18:369
 clast sources, 119B12:228–229
 clasts, 119B13:257
 clay mineralogy, 119B13:242, 244; 48:874
 core handling, 119A2:15–17
 deepwater circulation, 119B12:232
 diatomaceous clay, 119B13:252–253
 dikes, 119A2:24, 44
 downslope transport, 119B12:230–231
 drilling deformation, 119A2:15, 17, 19–20
 environmental setting, 119B13:244, 246–247
 extrusives, 119A2:24, 44
 feldspars, 119B12:237
 geochemical logs, 119B50:912, 914, 916, 922, 925, 928; 53:946
 geographic setting, 119A2:5
 geologic setting, 119A2:7; 119B18:353
 glacial history, 119B13:247–249; 48:869–875
 glaciogenic sediment, 119A2:22–23
 hydrocarbon gases, 119A2:34; 15:545
 ice rafting, 119A15:541–542; 119B6:120; 10:195; 12:231–232; 13:247; 48:873
 inorganic geochemistry, 119A2:35; 15:544–545, 548; 119B50:906
 lithostratigraphy, 119A15:550
 location, 119B12:226; 13:239; 16:300; 17:324; 18:350; 19:376; 24:428; 26:468; 28:513; 43:751; 46:814
 magnetic properties, 119A2:33–34; 3:45; 15:544–547; 119B43:753, 756–757
 magnetostratigraphy, 119A15:550–551; 119B43:754–755, 760; 46:815, 818–819, 821, 823, 843
 navigation, 119A3:45, 47–85, 89
 objectives, 119A2:7; 15:537
 organic geochemistry, 119A2:34–35; 15:545, 548, 551; 119B18:369; 50:906
 oxidation-reduction potential, 119B18:371
 oxygen isotopes, 119B48:887
 physical properties, 119A2:37–38; 3:46; 15:545–550

pore water geochemistry, 119A15:547; 119B18:348, 351, 369, 370–373; 20:393–399; 50:903, 931
 productivity, 119B12:229–230
 Rock-Eval pyrolysis, 119A2:35
 sea-surface temperature, 119A15:550–553
 sedimentary cycles, 119B12:226–232; 13:240, 242
 sedimentation rates, 119A15:544
 sediments, 119A2:21–23, 43–44; 15:551; 119B12:227–228; 13:244, 256; 18:369
 seismic reflection profiling, 119A3:45–46, 86; 15:539, 548
 stratigraphic column, 119B17:327
 subchron boundaries, 119B46:822
 surface water masses, 119B48:872
 synthetic seismograms, 119A2:40
 tectonic history, 119A2:5, 7
 terrigenous sediment, 119B12:229; 13:240, 242, 244, 246, 259–260
 total alkalis vs. silica, 119B17:334
 volcanic ash, 119B17:325–326, 328–333
 volcanic glass geochemistry, 119B17:337–343
 water content, 119B50:906
 well-logging, 119A2:39–40

Site 747

age vs. depth, 120B(2)57:1036–1037
 alteration, 183B15:8
 biostratigraphy, 119B24:436–437; 120A5:73–74; 6:105–113, 122; 120B(2)32:569–570; 37:679; 53:953–957
 Cretaceous lava, 119B15:293
 Cretaceous/Tertiary boundary, 120B(1)22:386–387
 debris flows, 121B37:747
 downhole measurements, 120B(2)58:1053–1054
 evolution, 120B(2)47:881
 geochemistry, 183A6:49
 inorganic carbon, 119B50:904–905
 lithology, 120A3:66; 120B(2)26:481
 location, 119B15:293; 120B(1)1:18–19; 3:55
 magnetic polarity reversals, 120B(1)15:227
 Miocene oxygen isotope zones correlation, 150A2:13
 nannofossil chalk, 120A3:57–58, 68
 objectives, 119A2:7
 open-ocean sedimentation, 120B(2)53:953
 Paleocene/Eocene boundary, 120B(2)34:616
 paleodepth, 120B(2)36:650
 sedimentation rates, 120A3:64–66
 sediments, 120B(2)47:881; 53:953–957
 site summary, 120B(1)1:18–22
 sodium oxide + potassium oxide vs. silica, 183A1:58
 stable isotope stratigraphy, 120B(2)45:857
 strontium isotopes, 121B44:921, 923–924
 surface water masses, 119B48:872
 synthetic seismograms, 120B(2)49:912–913
 tectonic history, 120B(2)47:884–885
 uplifts, 121A1:12; 4:89; 121B37:747
 volcanic ash logs, 128A5:339
 volcanoclastic mass flows, 120A3:57–69; 120B(1)10:139
 well-logging, 120A6:156; 120B(2)49:908–910

Site 748

age vs. depth, 120B(2)27:498; 56:1029; 57:1043–1044

basal conglomerate, 120B(1)10:140
 bioclastic carbonate, 121B37:747
 biostratigraphy, 119B24:437; 120A4:71–72; 5:79; 7:177–198, 227–229; 120B(1)1:23; (2)27:501; 29:528, 530; 37:677; 43:833–835; 53:952–953, 957; 55:982; 121B44:921, 924, 927
 carbon isotopes, 120B(2)44:841
 carbonate content, 120B(2)44:843
 deposition, 120B(1)8:106–107
 diversity, 120B(2)55:982
 Eocene/Oligocene boundary, 120B(2)34:616–617; 55:981
 geographic setting, 120B(1)19:281–282
 geologic setting, 120B(1)12:164
 glauconite, 120B(1)57:1045; 121A4:89
 hotspot formation, 121B26:514
 ice-rafted debris, 113B53:953; 120B(2)56:1011–1012
 impedance logs, 120B(2)48:897–898
 incompatible element-enriched volcanic rocks, 121A13:474
 lithology, 120B(1)8:99–100
 location, 120B(1)1:20; 20:308
 magnetic polarity reversals, 120(1)B15:249
 oxygen isotopes, 120B(2)44:841; 56:1020
 Paleocene/Eocene boundary, 120B(2)34:616
 paleodepth, 120B(2)36:650
 paleoenvironment, 120A7:229
 redox and carbon flux data, 119B21:402
 sediments, 120A8:170; 120B(1)9:113; (2)26:484; 53:953
 site summary, 120B(1)1:22–24
 sodium oxide + potassium oxide vs. silica, 183A1:58
 strontium isotopes, 121B44:927
Subbotina linaperta surface water masses, 119B48:872
 tuff terrigenous plant material, 121B37:747
 uplifts, 121A4:89; 121B37:747
 weathering, 120B(1)8:106–107

Site 749

biostratigraphy, 120A4:71–72; 8:248–255; 120B(2)32:570; 33:595; 37:678
 Cretaceous lava, 119B15:293
 lithology, 120B(2)26:484
 location, 119B15:293; 120B(1)1:20, 55
 magnetic properties, 120B(1)7:92
 redox and carbon flux data, 119B21:402
 site summary, 120B(1)1:24–25
 sodium oxide + potassium oxide vs. silica, 183A1:58
 surface water masses, 119B48:872

Site 750

biostratigraphy, 114B13:290–291; 121B18:395, 407
 carbon isotopes, 183B4:38
 Cretaceous/Paleocene boundary, 120B(2)25:451; 54:963; 121B25:492
 Cretaceous lava, 119B15:293
 deposition, 120B(1)8:105–106
 forests, 120B(1)17:261
 geographic setting, 120B(1)19:282
 geologic setting, 120B(1)17:255–265
 hotspot formation, 121B26:514
 impedance logs, 120B(2)48:897–898
 lithology, 120B(1)8:100; (2)26:484–485

location, 119B15:293; 120B(1)1:21; 3:55; (2)25:452
 magnetic polarity reversals, 120B(1)16:249
 open-ocean sedimentation, 120B(2)53:953
 sedimentation rates, 120B(2)25:460
 sediments, 120B(2)53:953–957
 site summary, 120B(1)1:25–28
 sodium oxide + potassium oxide vs. silica, 183A1:58
 surface water masses, 119B48:872
 tuff terrigenous plant material, 121B37:747
 uplift-related Maastrichtian unconformity, 121A4:89
 volcanogenic epiclastic rocks, 120B(1)10:139
 weathering, 120B(1)8:105–106
 well-logging, 120A9:335–337; 120B(2)49:908–910
 wood, 120B(1)18:275

Site 751

age models, 120B(2)46:868; 57:1047–1049
 carbonates, 119B10:195
 clay minerals, 120B(2)60:1067
 geotechnical stratigraphy, 120B(1)13:179
 ice-rafted debris, 120B(1)14:207
 location, 120B(1)1:22
 magnetic polarity reversals, 120B(1)15:231
 paleodepth, 120B(2)36:650
 physical properties, 121B12:254
 radiolarians, 113B40:688
 redox and carbon flux data, 119B21:402
 site summary, 120B(1)1:28
 surface water masses, 119B48:872
 water temperature, 120B(2)36:657
 X-ray diffraction data, 120B(2)60:1067

Site 752

bathymetry, 120(1)B17:262; 21:360; 23:438; 25:458;
 36:664; 37:682; 39:744; 40:764; 49:914; 51:934;
 121A3:63; 4:72; 6:113; 13:460
 biostratigraphy, 121A2:43, 45; 13:476–488; 121B1:5–
 7, 9–16; 3:89–92; 5:143–144; 6:173–175, 179;
 13:268–269; 16:364; 18:401, 406–407; 19:418–
 419; 36:722, 725–731
 carbon isotopes, 120B(2)54:968; 121B10:231; 40:888
 carbonate-free residues, 121B13:262, 266
 carbonates, 121A13:494–495, 497–498; 121B3:79, 81–
 82, 85–87, 93; 12:260; 13:269; 18:398–399;
 20:433; 24:472
 clay mineralogy, 121B19:419–420; 27:521
 compaction, 121B12:253–260
 Cretaceous–Paleogene interval, 121A13:460, 462–463,
 468; 121B16:363–365
 Cretaceous/Tertiary boundary, 119B47:849;
 121A12:396, 398–408; 13:463; 14:507–516;
 121B1:13, 19; 16:366; 19:415–416; 20:430;
 25:492, 501; 36:730
 depositional environment, 121A13:467–469, 507
 downhole measurements, 121A2:59–60; 121B42:895–
 899, 908
 Eocene angular unconformity, 121A13:460, 469
 eolian sediment flux, 121B9:220–221
 factor analysis, 121B21:424–425, 432
 geochemistry, 121A2:56–57; 13:492–495; 121B19:420,
 424; 25:499–501
 geologic setting, 121A4:71; 121B20:423–424; 21:437–
 438; 23:460; 36:721; 43:913

geothermal gradient, 121B27:522
 gravel layers, 121B24:471
 heat flow, 121A13:498, 506
 hydrocarbons, 121A13:492–493; 121B23:459–465;
 25:499–500; 43:913–918
 igneous petrology, 121A2:45–50
 iridium, 121B19:417, 421–422; 43:915–916
 Kerguelen Plateau comparison, 121A13:463–464
 laboratory vs. log measurements, 121B12:257
 latitude and water depth, 121B24:468
 lipid geochemistry, 121B24:473
 lithification, 121B13:267–268
 lithostratigraphy, 121A13:461; 121B9:219–220;
 12:254; 16:364; 27:519–520; 36:722–723, 729
 location, 121A1:6–7, 26; 13:458; 15:518; 121B1:4;
 3:79; 6:172; 9:220; 10:230; 12:254; 22:453;
 26:508; 27:521; 28:527; 30:560; 31:592; 32:612;
 36:722
 Maastrichtian, 121A13:465–467; 121B5:146–147
 Maastrichtian–Eocene interval, 121B1:3–4
 magnetic basement depth estimates, 121B34:683–684
 magnetic properties, 121A2:50–56; 13:490–491;
 14:510, 512–513; 121B16:361–363, 367, 371–
 374
 magnetostratigraphy, 121A13:488–489, 491;
 121B36:727
 mass accumulation rates, 121B9:223; 23:466–467;
 24:470, 472, 475
 navigation, 121A3:63, 65, 69–70
 Neogene currents, 121A13:469–470
 objectives, 121A1:12–13; 13:457; 121B36:721
 onlapping sequences, 121A4:81–84; 121B37:746–747
 opal-CT/quartz transition, 121B12:257
 organic carbon, 121A13:493–494; 121B23:457;
 24:474, 477, 481
 organic matter, 121B24:472–473
 oxide logs, 121B42:900–901
 oxygen isotopes, 121B9:226, 231–232; 22:452–453;
 40:886, 888
 paleoceanography, 121A13:465–471
 Paleocene–Eocene interval, 121B6:172–173, 175–178
 Paleocene extinction event, 121B1:19–21
 paleodepths, 121B36:724, 731; 37:746
 Paleogene paleoenvironment, 121A13:469
 paleolatitude, 121B24:469; 36:724
 pelagic ooze, 121A13:462, 469–470, 499; 121B8:213–
 215, 217; 10:237
 physical properties, 121A2:57–59; 13:495–500, 504–
 505; 121B12:256; 13:264–266, 269; 24:472
 physiography, 121B24:468
 pore water chemistry, 121B22:448–453
 productivity, 121B19:420–421; 20:427
 prograding downlapping wedges, 121A4:75–81
 rare earths, 121B21:441
 redox and carbon flux data, 119B21:402
 remanence disturbance, 121A2:51
 rifting mechanisms, 121B21:444
 sediment compositional end-members, 121B20:426–
 427; 21:424–426, 439–440, 442–444
 sedimentary sequences, 121B37:743–744

sedimentation, 121A13:464; 121B9:226; 24:472–473, 475, 477; 36:735, 737–740
 seismic stratigraphy, 121A7:188; 8:235; 121B2:80; 21:439; 33:668–669; 34:682–683; 37:745
 silica, 121B14:277; 27:521–522
 siliceous microfossil preservation, 121B13:262–264
 stratigraphic range, 121B1:6–9, 17
 tephra lithology, 121A13:471–472
 trace elements, 121B25:499–500; 43:913–918
 uplifts, 121A4:87–89
 velocity laboratory vs. log measurements, 121A13:503
 volcanic ash, 121A12:396; 13:475; 128A5:339
 volcanogenic sediment interelement ratios, 121B20:425, 430
 well logs, 120B(2)58:1059–1060; 121A13:495–499; 14:513–516
 winnowing, 121B8:212
 X-ray fluorescence data, 121B27:520

Site 753

authigenic silica sources, 121B13:267
 basalts, 121B30:574–575
 bathymetry, 121A3:63; 4:72; 13:460; 121B13:262; 16:360; 21:438; 23:458; 33:664; 34:682; 37:744; 38:764
 biostratigraphy, 121A2:43–45; 13:476–488; 121B1:5–13, 16–17, 19–21; 3:81, 87, 94; 5:143; 13:262–264; 16:368; 24:485–487; 36:731–733
 carbonate-free residues, 121B13:262
 carbonates, 121A13:465–467, 494–495, 497–498; 121B3:81, 83; 24:470, 472, 473, 475, 477
 chronozone boundaries, 121B36:728
 clay mineralogy, 121B27:521
 compaction, 121B12:253–260
 Cretaceous–Paleogene fluxes, 121A13:468
 Eocene angular unconformity, 121A13:460, 469
 geochemistry, 121A2:56–57; 13:491–495
 geologic setting, 121A4:71; 121B36:721
 geophysical logs, 121A2:59–60
 geothermal gradient, 121B27:522
 gravity anomalies, 121A4:84–86; 121B34:682
 heat flow, 121A13:498, 506
 hydrocarbon gases, 121A13:492–493
 igneous petrology, 121A2:45–50
 Kerguelen Plateau comparison, 121A13:463–464
 latitude and water depth, 121B24:468
 lipid geochemistry, 121B24:473
 lithification, 121B13:267–268
 lithostratigraphy, 121A13:461; 121B16:368; 27:519; 36:723
 location, 121A1:6–7, 26; 13:458; 15:518; 121B1:4; 3:79; 6:172; 8:220; 10:230; 12:254; 22:453; 26:508; 27:521, 527; 30:560; 31:592; 32:612; 36:722
 magnetic basement depth estimates, 121B34:683–684
 magnetic properties, 121A2:50–56; 7:179–181; 13:491; 121B16:361–363, 367, 371, 374, 376
 magnetostratigraphy, 121A13:488–489, 491; 121B16:367–368; 17:385
 mass accumulation rates, 121B23:467
 navigation, 121A3:63, 65, 69–70

Neogene currents, 121A13:469–470
 objectives, 121A1:12–13; 13:457; 121B36:721
 onlapping sequences, 121A4:81–84; 121B37:746–747
 organic carbon, 121A13:493–494; 121B23:457; 24:470, 472, 475, 477, 481
 organic matter types, 121B24:472–473
 oxygen isotopes, 121B22:448–453
 paleoceanography, 121A13:465–471
 paleodepth, 121B36:724, 733, 746
 Paleogene paleoenvironment, 121A13:469
 paleolatitude, 121B24:469; 36:724
 pelagic ooze, 121A13:462, 469–470, 499
 physical properties, 121A13:495–500, 504–505; 121B13:264–266; 24:472; 27:521–522
 physiography, 121B24:468
 pore water chemistry, 121B22:448–453
 prerift vs. postrift alteration, 121B27:522
 prograding downlapping wedges, 121A4:75–81
 redox and carbon flux data, 119B21:402
 sedimentary sequences, 121B37:743–744
 sedimentation rates, 121A13:464; 121B24:472; 36:735, 737–740
 seismic stratigraphy, 121A8:235; 121B3:80; 21:439; 33:668–669; 34:682–683; 37:745
 shallow magnetic inclination, 121B16:371–374
 silica, 121B13:261–262, 264, 266–267; 27:521–522
 tephra lithology, 121A13:471–472
 topography, 121B34:684, 690–692
 uplifts, 121A4:87–89
 volcanic ash, 121A13:472–475, 480–483
 well-logging, 121A13:495–499
 X-ray fluorescence data, 121B27:520

Site 754

acoustic impedance seismic correlation, 121B33:679
 authigenic silica source, 121B13:267
 bathymetry, 121A3:63, 72; 8:193; 13:460; 121B13:262; 16:360; 21:438; 22:458; 33:664; 34:682; 37:744; 38:764
 biomarkers, 121B24:483
 biostratigraphy, 121A13:476–488; 121B1:5–13, 16–17, 19–21; 2:32, 34–39, 43–44, 50–52, 56, 58–60, 62–65, 69–70; 3:81, 88–89, 95–97; 5:143–145, 148, 150–153, 162; 13:262–264; 16:369; 24:487–488; 36:733–735
 carbon isotopes, 121B10:232–234
 carbonate-free residues, 121B13:262, 266
 carbonates, 121A13:494–495, 497–498; 121B3:81, 84; 12:260; 24:470, 472
 chert, 121B24:471, 473, 475, 477
 chronozone boundaries, 121B36:728
 clay mineralogy, 121B27:521
 compaction, 121B12:253–260
 Cretaceous/Paleogene boundary, 121B16:367
 Cretaceous–Paleogene fluxes, 121A13:468
 Eocene angular unconformity, 121A13:460, 469
 eolian sediment flux, 121B9:220–221
 geochemistry, 121B25:491–495; 42:895–897, 902–903, 908
 geologic setting, 121A4:71; 121B23:460; 36:721
 geothermal gradient, 121B27:522
 grain size, 121B8:217

gravity anomalies, 121A4:84–86; 121B34:682
 hydrocarbons, 121A13:492–493; 121B23:459–465;
 24:473, 478–480, 483–486
 hydrogen index, 121B24:476
 Kerguelen Plateau comparison, 121A13:463–464
 laboratory vs. log measurements, 121B12:257
 latitude and water depth, 121B24:468
 lithification, 121B13:267–268
 lithostratigraphy, 121A8:194–195; 13:461, 488–489,
 491; 121B16:369; 27:520; 36:723, 734
 location, 121A1:6–7, 26; 13:458; 15:518; 121B1:4;
 3:79; 6:172; 9:220; 10:230; 12:254; 22:453;
 26:508; 27:521, 527; 30:560; 31:592; 32:612;
 36:722
 Maastrichtian carbonate platforms, 121A13:465–467
 magnetic basement depth estimates, 121B34:683–684
 magnetic properties, 121A13:491–492; 121B16:361–
 363, 367, 371, 376
 magnetostratigraphy, 121B16:369
 mass accumulation rates, 121B9:224; 24:466–467
 navigation, 121A3:63, 65, 69–70
 Neogene currents, 121A13:469–470
 objectives, 121A1:12–13; 13:457; 121B36:721
 onlapping sequences, 121A4:81–84; 121B37:746–747
 opal-CT/quartz transition, 121B12:257; 27:522
 organic carbon, 121A13:493–494; 121B23:457;
 24:470, 472, 474–475, 477, 481
 organic matter types, 121B24:472–473
 oxide logs, 121B42:904–905
 oxygen isotopes, 121B8:213–215, 218; 9:226, 231–
 232; 10:238
 paleoceanography, 121A13:465–471
 paleodepth, 121B36:724, 735, 746
 Paleogene paleoenvironment, 121A13:469
 paleolatitude, 121B24:469; 36:724
 pebble layer, 121A13:462
 pelagic ooze, 121A13:462, 469–470, 499; 121B8:218;
 10:238
 physical properties, 121A13:495–500, 503–504, 506;
 121B24:472
 physiography, 121B24:468
 pore water chemistry, 121B22:448–453
 prerift vs. postrift alteration, 121B27:522
 prograding downlapping wedges, 121A4:75–81
 redox and carbon flux data, 119B21:402
 sedimentary sequences, 121B37:743–744
 sedimentation rates, 121A13:464; 121B9:226; 24:472;
 36:735, 737–740
 seismic correlation, 121A6:165; 7:188; 121B3:80;
 21:439; 33:668–669; 34:682–683; 37:745
 shallow magnetic inclination, 121B16:371–374
 silica, 121B13:261–262, 264, 266–267; 16:365;
 27:521–522
 tephra lithology, 121A13:471–472
 terrigenous organic particles, 121B24:472, 476
 topography, 121B34:684, 690–692
 Turonian–Santonian volcanic ash, 121A13:463
 uplifts, 121A4:87–89
 volcanic ash, 121A13:472–475, 480–483
 well-logging, 121A13:495–499, 505; 121B13:264–266
 X-ray fluorescence data, 121B27:520

Site 755

anisotropy, 121B16:376
 bathymetry, 121A4:72; 5:94; 13:460; 121B13:262–
 264; 16:360; 21:438; 23:458; 33:664; 34:682;
 38:764
 biomarkers, 121B24:483
 biostratigraphy, 121A13:476–488; 121B3:81–82, 89,
 98; 5:143, 145, 154–156; 16:370; 36:735–736
 carbonate-free residues, 121B13:262, 266
 carbonates, 121A13:494–495, 498; 121B3:81, 85;
 24:470, 472
 chert, 121B24:471, 473, 475, 477
 chronozone boundaries, 121B36:728
 clay mineralogy, 121B27:521
 compaction, 121B12:253–260
 Cretaceous–Paleogene fluxes, 121A13:468
 Eocene angular unconformity, 121A13:460, 469
 formation depositional models, 121B37:747, 753, 760
 geochemistry, 121A13:492–495; 121B21:439–440,
 442–444
 geologic setting, 121A4:71; 121B21:437–438; 23:460;
 36:721
 geothermal gradient, 121B27:522
 heat flow, 121A13:498, 506
 hydrocarbons, 121A13:492–493; 121B23:459–465;
 24:473, 478–480, 483–486
 hydrogen index, 121B24:476
 Kerguelen Plateau comparison, 121A13:463–464
 latitude and water depth, 121B24:468
 lithification, 121B13:267–268
 lithostratigraphy, 121A13:461; 121B16:370; 27:520;
 36:723, 736
 location, 121A1:6–7; 13:458; 15:518; 121B1:4; 3:79;
 6:172; 9:220; 10:230; 12:254; 22:453; 26:508;
 27:521; 28:527; 30:560; 31:592; 32:612; 36:722
 Maastrichtian carbonate platforms, 121A13:465–467
 magnetic basement depth estimates, 121B34:683–684
 magnetic properties, 121A13:491; 121B16:361–363,
 367, 371
 magnetostratigraphy, 121A13:488–489, 491;
 121B16:367, 370
 mass accumulation rates, 121B23:466–467
 navigation, 121A3:63, 65, 69–70
 Neogene currents, 121A13:469–470
 objectives, 121A1:12–13; 13:457; 121B36:721
 onlapping sequences, 121A4:81–84; 121B37:746–747
 opal-CT/quartz transition, 121B27:522
 organic geochemistry, 121A13:491–494; 121B5:170;
 23:457; 24:472, 474–475, 477, 481
 organic matter types, 121B24:472–473
 oxygen isotopes, 121B22:448–453
 paleoceanography, 121A13:465–471
 paleodepth, 121B36:724, 735; 37:746
 Paleogene paleoenvironment, 121A13:469
 paleolatitude, 121B24:469; 36:724
 pebble layer, 121A13:462
 pelagics, 121A4:84–86; 9:237; 13:457–458, 460, 469–
 470, 499
 physical properties, 121A13:495–500, 504;
 121B24:472; 34:682–683
 physiography, 121B24:468

- pore water chemistry, 121A13:494; 121B22:448–453
 priferit vs. postrift alteration, 121B27:522
 prograding downlapping wedges, 121A4:75–81
 rare earths, 121B21:443
 rifting mechanisms, 121B21:444
 sedimentary sequences, 121B37:743–744
 sedimentation rates, 121A13:464; 121B24:472;
 36:735, 737–740
 seismic correlation, 121A6:165; 7:188; 8:235;
 121B3:80; 21:439; 33:668–669; 37:745
 tephra lithology, 121A13:471–472
 terrigenous material, 121A13:496; 121B24:476;
 37:747
 Turonian–Santonian, 121A4:73; 13:463
 uplifts, 121A4:87–89
 volcanic ash, 121A13:472–475, 480–483
 well-logging, 121A13:495–499, 505; 121B13:264–266
 X-ray fluorescence data, 121B27:520
- Site 756
- alteration, 121A15:531–534; 121B22:453–455;
 28:534–535, 541; 30:563–565; 32:614–615, 622,
 659
 basal sediment depositional environment,
 121B30:560–561
 basalts, 121B10:229; 26:509–516; 28:526–533, 535,
 539, 541–543; 30:561–562, 565, 567–569, 572–
 582, 586–588; 31:594–595, 607; 32:621–624;
 638–639
 basement, 121B22:147; 30:526, 561
 bathymetry, 121A5:93–95; 121B38:764
 biostratigraphy, 121B2:32–33, 38, 43–52, 54, 56, 58,
 61, 66–69; 5:143; 44:921, 924–925, 928–929
 carbon isotopes, 121B10:232–234
 carbonates, 121B3:82–83, 86; 9:227; 22:453–455;
 24:470, 472, 473, 475, 477
 clinopyroxenes, 121B32:623, 656–657
 compaction, 121B12:253–260
 Cretaceous–Paleogene, 121B3:83, 89–90, 98, 100–102
 eolian sediment flux, 121B9:220–221
 evolution, 121B39:778
 geologic setting, 121A1:13; 121B28:526
 hotspots, 121B38:769, 771–773, 776
 hysteresis loop measurements, 121B28:533–534, 536–
 537
 igneous petrology, 121A15:523–531; 121B29:567;
 32:614–615
 incompatible elements, 121A15:530; 121B30:564,
 575, 577; 32:630–631, 640–645
 India–Asia convergence, 121A1:16; 121B39:819
 Indian Ocean site comparison, 121B39:810
 intersite variations, 121B31:633–638
 latitude and water depth, 121B24:468
 lava, 121B31:598–601; 32:616–620
 lead isotopes, 121B31:596–598, 600–602, 604–606
 lipid geochemistry, 121B24:473
 lithostratigraphy, 121A15:517, 519–520
 location, 121A1:6–7, 26; 5:100; 13:458; 15:518;
 121B3:79; 9:220; 10:230; 12:254; 22:453;
 26:508; 28:527; 30:560; 31:592; 32:612; 36:722;
 44:922
 magma mixing, 121B31:633
- magnetostratigraphy, 121A5:93, 101; 121B28:526,
 533–541; 39:784–786, 793–803, 855, 871
 mass accumulation rates, 121B9:224
 nannofossil ooze, 121B10:229
 navigation, 121A5:93, 96–97
 neodymium isotopes, 121B31:560–602
 objectives, 121A1:13–22; 121B38:763
 oceanic circulation at Cretaceous/Tertiary boundary,
 121B39:820–821
 organic carbon, 121B24:470, 472, 474, 477, 481
 organic matter types, 121B24:472–473
 oxygen isotopes, 121B9:227; 10:231–234
 paleolatitude, 121B24:469; 39:811–812, 816, 830,
 856–857, 867
 pelagic ooze, 121B10:239
 physical properties, 121B24:472
 physiography, 121B24:468
 pore water chemistry, 121B22:448–453; 32:626–628
 rare earths, 121B30:576, 588; 31:600–602; 32:634–638
 redox and carbon flux data, 119B21:402
 ridge evolution, 121A15:524–530; 121B38:766–768;
 39:811
 rocks and thin sections, 121B32:648–655
 sedimentation rates, 121A15:517, 519; 121B24:472
 standard sediment samples, 121B41:891–893
 strontium isotopes, 121B31:593, 596–598, 600–602;
 44:921, 924–925, 928–929
 tephra lithology, 121A15:522–523
 titanomagnetite, 121B32:658
- Site 757
- alteration, 121A15:531–534; 121B22:452–455;
 28:534–535, 541; 30:563–565; 32:614–615, 622,
 659
 basal sediment depositional environment,
 121B30:560–561
 basalts, 121B10:229; 26:509–516; 28:526–533, 535,
 539, 541–543; 30:561–562, 565, 569–573, 574–
 582, 586–588; 31:594–595, 607; 32:624–629
 basement, 121B22:147; 28:526; 30:561
 bathymetry, 121A5:93, 102, 105; 121B38:764
 biostratigraphy, 121B44:921, 925, 928, 930
 carbon isotopes, 121B3:83, 87; 10:232–234, 236;
 12:260
 carbonates, 121B22:453–455; 24:470, 472
 clinopyroxenes, 121B32:623, 656–657
 compaction, 121B12:253–260
 consolidation tests, 121B12:258–259
 Cretaceous–Paleogene, 121B3:83, 90, 92–93, 95, 97
 Cretaceous zonation, 121B5:143
 density, 121B24:472
 drilling, 179A1:9
 evolution, 121B39:778
 feldspars in basalts, 121B30:568–569
 geologic setting, 121A1:13; 121B23:462; 28:526
 glassy inclusions, 121B30:571
 hotspots, 121B38:769, 771–773, 776
 hysteresis loop measurements, 121B28:533–534, 536–
 537
 hydrocarbons, 121B23:459–465; 24:473
 igneous petrology, 121A15:523–531; 121B29:567;
 32:614–615

- incompatible elements, 121A15:530; 30:575, 577, 579; 32:630–631, 640–645
 India-Asia convergence, 121A1:16; 121B39:819
 Indian Ocean site comparison, 121B39:810
 intersite variation, 121B31:633–638
 latitude and water depth, 121B24:468
 lava, 121B31:598–601; 32:616–620
 lead isotopes, 121B31:596–598, 600–602, 604–606
 lithostratigraphy, 121A15:517, 519–520; 121B12:255
 location, 121A1:6–7, 26; 5:104; 13:458; 15:518; 121B3:79; 9:220, 230; 12:254; 22:453; 31:592; 44:922
 magma mixing, 121B31:633
 magnetostratigraphy, 121A5:93, 101, 105; 121B28:526–541; 38:769; 39:784, 786–788, 792, 797–810, 812–818, 820–822, 824–826, 855, 871
 morphology, 121B30:560
 nannofossil ooze, 121B10:229
 navigation, 121A5:93, 96–97
 neodymium isotopes, 121B31:560–602
 objectives, 121A1:13–22; 121B38:763
 oceanic circulation at Cretaceous/Tertiary boundary 121B39:820–821
 organic carbon, 121B23:457; 24:470, 472–474, 477, 481
 oxygen isotopes, 121B9:231–232, 236; 22:452–455
 paleolatitude, 121B24:469; 39:811–812, 816–830, 858–860, 867
 pelagic ooze, 121B10:240
 physiography, 121B24:468
 plagioclase trapped melt, 121B32:658
 pore water chemistry, 121A15:534; 121B22:448–453
 porosity, 121B12:257
 productivity, 121B24:472
 rare earths, 121B30:576, 589; 31:600–602
 redox and carbon flux data, 119B21:402
 ridge evolution, 121A15:524–530; 121B30:559–560, 578–581; 32:639–645; 38:766–773; 39:811
 rocks and thin sections, 121B32:648–655
 sedimentation, 121A15:517, 519; 121B24:472–473, 475, 477
 strontium isotopes, 121B31:593, 596–598, 600–602; 44:921, 925, 928, 930
 tephra lithology, 121A15:522–523
 titanomagnetite, 121B30:568
 volcanic alteration effects, 121B22:448
- Site 758
 alteration, 121A15:531–534; 121B28:534–535, 541; 22:453–455; 30:563–565; 32:614–615, 622, 659
 basal sediments, 121B30:560–561
 basalts, 121A12:395–396; 121B26:509–516; 28:526–533, 535, 539, 541–543; 29:548–549; 30:561–562, 565, 571–582, 586–588; 31:594–595, 607; 32:629–633
 basement, 121B22:147; 30:526, 561; 39:796–797
 bathymetry, 121A5:93, 106; 121B38:764
 biomarkers, 121B24:483
 biostratigraphy, 121B3:103–104; 4:126–130, 133–138; 7:193; 15:298–299; 25:492; 44:921
 Brunhes Chronozone, 121B11:245
 calcium pore water concentration, 121B22:448–453
 carbon isotopes, 121B11:245, 248–251; 15:304–308, 310–311, 329–355
 carbonate, 121B3:84, 88; 15:298, 307, 310–311, 315–328, 340–355; 22:453–455; 24:470, 472; 25:490, 493–495
 clinopyroxenes, 121B32:623, 656–657
 coarse fraction, 121B15:316–328, 340–355
 compaction, 121B12:253–260
 composite depth section, 121B15:300–302, 306, 310, 316–328
 consolidation tests, 121B12:258
 Cretaceous, 121B5:143, 145, 149, 159–161
 deformation, 121B35:698–701
 feldspars, 121B14:284; 30:568–569
 foraminifers, 121B3:84–85, 106, 108–109; 25:491
 gadolinium, 121B42:910–912
 geochemistry, 121B25:490, 494, 498; 42:895–897, 906–908
 geologic setting, 121A1:13; 121B14:273; 23:462; 28:526; 35:703
 grain size variation and mineralogy, 121B17:379, 382
 hotspots, 121B38:769, 771–773, 776
 hydrocarbons, 121B23:459–460, 462–465; 24:473, 483
 hydrogen index, 121B24:476
 hysteresis loop measurements, 121B28:533–534, 536–537
 igneous petrology, 121A15:523–531; 121B29:567
 incompatible elements, 121A15:530; 121B30:575, 577, 580; 32:630–631, 640–645
 India northward motion, 121A1:16; 121B39:819
 Indian Ocean site comparison, 121B39:810
 intersite variation, 121B31:633–638
 Jaramillo polarity transition, 121B16:385–388, 391
 latitude and water depth, 121B24:468
 lavas, 121B31:596–602, 604–606; 32:616–620
 linear regression analysis, 121B39:805, 809–810, 872–874
 lithostratigraphy, 121A15:517, 519–520; 121B12:255; 15:297–298; 35:703
 location, 121A1:6–7, 26; 13:458; 15:518; 121B3:79; 4:125; 7:190; 9:220; 10:230; 11:242; 12:254; 15:298; 22:453; 26:508; 28:527; 30:560; 31:592; 32:612; 35:698; 36:722
 magma mixing, 121B31:633
 magnetic properties, 121B15:299–300, 307–312, 340–355; 17:379–380, 382–386; 28:526–541; 35:701, 709–712; 38:769; 39:788–795, 799–803, 827–829, 839–855, 871, 881–882
 magnetostratigraphy, 121B39:797–799, 882
 mass accumulation rates, 121B15:299
 microtektites, 121B25:489–493, 502–503
 mid-Pleistocene shift, 121B15:313
 mineralogy and grain size, 121B17:379, 382
 morphology, 121B25:495–496; 30:560
 navigation, 121A5:93, 96–97
 neodymium isotopes, 121B31:602–603
 Neogene, 121B14:275; 39:821–829
 northward movement rate, 121B39:868, 872–874
 objectives, 121B38:763
 ocean circulation, 121B39:820–821

- Oligocene–Miocene zonation, 121B7:195–199
 organic carbon, 121B23:459–460; 24:470, 472, 474, 477, 481
 organic matter types, 121B24:472–473
 oxide logs, 121B42:910–912
 oxygen isotopes, 121B4:133; 11:245, 247–248, 250; 15:303–308, 310–311, 329–355; 22:452–455
 paleoceanography, 121B15:309–312
 paleoclimatology, 121A1:18–21; 12:361
 paleolatitude, 121B24:469; 39:811–812, 816–830, 861–867
 petrology, 121A1:13–16
 physical properties, 121B15:299, 316–328, 340–355; 24:472; 35:702, 704
 physiography, 121B24:468
 Pliocene–Quaternary, 121B7:190–194, 195; 8:192
 pore water chemistry, 121B22:448–453
 postcoring expansion/stretching, 121B15:302
 productivity and decreased calcium carbonate mass accumulation rates, 121B15:309
 rare earths, 121B30:576, 590; 31:600–602
 redox and carbon flux data, 119B21:402
 ridge evolution, 121A15:524–530; 121B24:478–480, 484–486; 32:648–655; 39:811
 sediment recovery gaps, 121B15:300–302
 sedimentation, 121A15:517, 519; 121B11:242; 15:302–304; 24:472, 473, 475, 477
 stratigraphy, 121B16:307
 stress, 121B35:701–702, 704–706, 713–717
 strontium isotopes, 121B31:593, 596–598, 600–602
 subsidence, 121B15:309–310
 sulfides, 121B32:659
 tectonic evolution, 121B39:778
 tephra, 121A15:522–523; 121B14:284–291
 terrigenous material, 121A15:534; 121B24:476
 titanomagnetite, 121B30:568
 Toba ash, 121B25:489
 trace elements at Cretaceous/Paleogene boundary, 121B25:498
 transition field, 121B17:383–385
 volcanic ash, 121B14:275; 16:307–309; 25:490; 39:796
 volcanic glass, 121B14:275–283; 29:549
 winnowing, 121B15:309
 Site 759, location, 123A1:11; 123B4:90
 Site 760
 basal sediments, 123A1:12
 location, 123A1:11; 123B4:90
 Site 761
 basal sediments, 123A1:4, 12
 belemnites, 123B22:443–448
 bentonites, 123A4:104; 123B1:47; 4:95, 97
 juvenile ocean sequence, 123B4:89
 lithostratigraphy, 123B41:787
 location, 123A1:11; 123B4:90
 Neocomian chalk, 123B4:94
 Rhaetian lagoonal facies, 123B43:802–803
 Triassic neritic carbonates, 123B6:141
 volcanic ash, 123A4:104
 Site 762
 basal sediments, 123A1:12
 belemnites, 123B22:443–448
 location, 123A1:11; 123B4:90; 31:564
 methane, 161A6:233
 Valanginian–Hauterivian hiatus, 123B31:579
 Site 763
 basal sediments, 123A1:12
 belemnites, 123B22:443–448
 bentonites, 123B4:97
 Cenomanian/Turonian boundary event, 123B43:805
 location, 123A1:11; 123B4:90; 31:564
 methane, 161A6:233
 Paleocene–Eocene unconformity, 123B43:805–806
 Valanginian–Hauterivian hiatus, 123B31:579
 Site 764
 basal sediments, 123A1:12
 location, 123A1:11; 123B4:90
 Rhaetian reef complex, 123B43:801–802
 turbidites, 124B4:60
 Site 765
 age dating, 123B9:191; 30:557–559
 basal sediment, 123A1:12; 123B1:3, 43, 46, 48; 41:789
 basalts, 123B10:204–207
 basement, 123A1:4; 123B10:201–203; 36:661–662
 bathymetry, 123A2:14, 18–20
 biostratigraphy, 123B1:35–37; 13:242–250; 15:302–305, 307–313, 315; 16:344–351, 355–356; 17:369–373; 18:382–395, 400–403; 19:407–410; 20:421–425; 21:429–434; 38:717–718, 722; 40:771, 777
 chronostratigraphy, 123B38:717, 722–731
 coring, 124E_A18:134
 depositional history, 123B1:46–48
 geochemical reference section, 123B8:183–185, 188; 35:644
 geologic setting, 123B8:168–169; 9:191; 43:803–804
 geological timescale, 123A1:6–7
 inorganic geochemistry, 123A4:64, 142–158, 247; 123B8:167–175; 42:792–796
 lithostratigraphy, 123B1:44; 5:113; 28:527; 34:602–604; 41:787
 location, 123A1:3, 9; 123B1:14; 5:112; 7:152; 8:168; 12:226; 26:504, 516; 42:792
 magnetic lineations, 123B36:659–669
 mineralogy, 123B2:57–64; 123B41:786, 788
 navigation, 123A2:13–14
 objectives, 123A1:3–4; 123B12:225; 28:523; 32:584
 oceanic crust, 124B6:89
 organic geochemistry, 123A4:158–164, 247; 123B11:217–221; 12:226–235
 paleolatitude, 123B28:530–533; 29:549–553
 paleowater depth, 123B43:810, 812
 regional geology, 123A1:4
 sedimentary sequences, 123B1:5–20; 33:604–611
 sedimentation history, 123A4:102–113, 149
 vertical seismic profiling, 123B32:589–600
 wellbore breakouts, 123B26:505–513
 Site 766
 basal sediments, 123A1:12; 123B41:789
 basalts, 123B10:204–207
 basement, 123B10:203–204; 36:661
 bathymetry, 123A2:14, 20; 123B31:567

- belemnites, 123B22:443–448
 biostratigraphy, 123B14:271–285; 15:306–307, 310–311; 16:350–355; 18:392–404; 38:717–718, 722
 chronostratigraphy, 123B38:717, 731–735
 depositional history, 123B30:580
 geological timescale, 123A1:6–7
 inorganic geochemistry, 123A5:302–304; 123B42:793–796
 juvenile ocean sequence, 123B4:89
 lithostratigraphy, 123B28:527, 529; 41:787
 location, 123A1:3, 9; 123B4:90; 12:226; 31:563–564; 42:793
 navigation, 123A2:13–14
 objectives, 123A3:34; 123B12:225; 28:523; 31:563
 organic geochemistry, 123A5:304–306, 343–344; 123B11:217–221; 12:226–235
 paleolatitude, 123B28:530–533; 29:549–553
 paleowater depth, 123B43:810, 813, 815
 radiometric age dating, 123B30:557–559
 regional bathymetry, 123B31:563
 regional geology, 123A1:5
 sedimentology, 123A5:286–289, 343
 seismic stratigraphy, 123B31:565–575
- Site 767
 age, 124B1:3; 5:69; 12:174; 30:400
 alteration, 124A10:154–155, 157; 124B1:5, 7; 14:206–209
 amphibole, 124B35:485
 anomalies, 124A3:44–45; 9:125
 backstripping, 124B30:408
 bacteria, 124A10:154–155
 basalts, 124A10:168–169; 124B1:3; 22:312
 basement, 124A10:169, 180–181; 124B1:13; 3:40; 4:58–59
 bathymetry, 124A4:44–48; 10:124; 15:416
 biostratigraphy, 124A10:143–147; 13:352–353; 15:415–418; 124B1:4; 2:12–13, 18–21; 10:133, 135, 137; 11:160–163, 166–167, 169; 12:171–180; 25:346–347, 349; 27:369–372; 33:452
 biotite, 124A10:131, 183
 brown claystone, 124B1:3–4; 31:412–413
 calcium carbonate, 124A10:153–154, 178–179; 124B1:4; 14:205–209; 33:447–448
 carbon isotopes, 124B14:208, 212; 18:240–241
 carbonate compensation depth, 124A10:128; 124B33:447–455
 chemical composition, 124B31:420, 422–423; 35:482; 36:498
 clay mineralogy, 124A10:128, 132–139; 12:174–175; 124B1:4, 7; 3:40, 42; 4:58–59; 31:411–412, 416–418
 clinof orm bedding, 124A10:180
 clinopyroxenes, 124A10:141–142, 168
 coal, 124B4:61
 continental organic matter, 124B18:241, 245
 continentality index, 124A10:138–139; 124B3:40
 coring summary, 124A10:122
 corundum, 124B22:312
 crystallization, 124A10:141–142
 decompaction, 124B30:405, 408
 degradation processes, 124B18:239–245
 deposition, 124A10:143, 181–183; 13:348–349
 detrital sediments, 124B31:414
 diagenesis, 124A10:155; 124B14:203–215; 31:421–425
 diffusion, 124A10:157
 dilution factor, 124B18:243–244
 dissolution, 124A10:145; 124B10:135
 downhole measurements, 124A10:171
 Eocene/Oligocene boundary, 124B33:447–453
 fractures, 124B1:3
 gamma rays, 124A10:172–173; 124B42:545–546
 geochemistry, 124B22:311–319; 35:467–482; 41:532–533
 grain size measurements, 124A10:139–140
 gravity maps, 124A10:126
 hornblende, 124A10:131, 141–142
 hydrocarbons, 124A10:154, 157–161, 183; 124B14:208–209, 213; 161A7:319
 igneous rocks, 124A10:168–169
 illite, 124A10:137–138, 174–175
 impedance, 124A10:164–165
 inorganic geochemistry, 124A10:152–157, 176–178; 124B42:541–552
 kaolinite, 124A10:138
 kerogen, 124B18:240–241
 lithostratigraphy, 124A10:128–143, 168–169; 15:418; 124B1:5; 3:41; 12:174–176; 30:399–401, 409–411; 31:415–418
 location, 124A10:123; 124B2:12
 magmas, 124A10:142
 magnetic properties, 124A10:147–152, 183; 11:226; 15:418–419; 124B1:4–5; 2:11, 13, 18; 3:40–42
 magnetite, 124A10:142
 mantle, 124B22:317–318
 marine organic matter, 124B18:241, 243–247
 mica, 124B31:412–414
 mid-ocean-ridge basalts, 124B22:315–319
 mineralogy, 124B20:282; 31:411
 neodymium, 124B21:292
 nepheline, 124B22:312
 neutron porosity logs, 124A10:172–176
 olivine, 124A10:168–169
 organic geochemistry, 124A10:157–161, 183; 15:419; 124B14:213, 218, 222
 organic matter, 124A10:157, 159; 124B15:218–225; 18:241–245
 orthopyroxenes, 124A10:142
 oxides, 124B35:474–475; 42:544, 547–548
 oxygen isotopes, 124B14:206–208, 210
 paleodepth, 124A13:351; 124B30:402, 404
 paleolatitude, 124A10:148–150
 petrogenesis, 124B22:311–319
 petrography, 124B35:467–482; 36:490–491
 petrology, 124A10:141–142; 124B20:271–286
 phillipsite, 124B36:490–491
 physical properties, 124A10:160–177, 179; 11:163–164; 15:418; 124B30:402, 405
 plagioclase, 124A10:141–142, 168
 Pliocene/Pleistocene boundary, 124B27:372
 pore water chemistry, 124A10:136, 146, 153–157, 168, 174–179, 183; 11:239; 15:767; 124B9:124; 12:174, 176, 178; 13:183; 14:205–210, 214;

- 20:292; 31:414–416, 418–419; 35:474–475;
 42:544–546
 pyrite, 124A10:133, 136, 156; 124B18:241
 pyritization, 124B15:218–219; 18:240
 pyroxenes, 124B35:484
 quartz, 124A10:131; 124B31:412–414
 quench textures, 124A10:168
 rare earths, 124B20:293; 22:318
 recrystallization, 124B14:205–209
 red clay, 124A10:152, 181–183; 124B1:4; 3:40
 reduction, 124A10:154–155; 124B18:243–245
 reworking, 124B10:135, 138
 rhyolite, 124A10:142
 Rock-Eval pyrolysis, 124A10:157–159
 sandstone, 124A10:132, 134–135
 sea level changes, 124B11:167, 169; 30:406
 seafloor spreading, 124B1:5
 sedimentary breaks, 124B32:441–444
 sedimentation, 124A10:151–152, 181–183; 13:355–
 356; 15:415–418; 124B1:3; 3:40; 4:58–59;
 30:399–406
 seismic stratigraphy, 124A4:44–51; 10:124, 179–182
 silicification, 124A10:155
 silt, 124A10:128, 132–134, 137
 smectite, 124A10:137, 175, 183; 124B36:491
 source regions, 124A10:176, 178–179
 stress orientation, 124B1:3
 subduction, 124A10:124; 124B1:3
 subsidence, 124B30:399–406
 sulfur, 124A10:178
 tectonics, 124B1:3–5
 turbidites, 124A10:132–134, 136; 13:182–183; 25:353;
 124B1:4; 4:59; 32:431–437
 vegetation, 124B27:369–372
 vesicles, 124A10:169
 vitrinite reflectance, 124B15:222
 volcanics, 124A10:128, 131, 140–142; 124B3:40;
 34:460–461; 36:490
 volcanoclastics, 124A10:140–141
 volcanism, 124A10:124–125, 138, 140–142;
 124B34:460–461
 water content, 124A11:163–164
 weathering, 124A10:138–139
 well-logging, 124A2:29; 10:169–178, 186–193
 zeolites, 124A10:136
- Site 768
 acoustic basement, 124A13:199
 actinolite, 124A19:260–261, 263
 age, 124B5:69
 alteration, 124A11:259–262; 17:235, 239; 19:253,
 255; 20:279–280; 124B1:6–7; 14:206–209
 amphibole, 124B35:485
 analcime, 124B13:184, 186–187
 andesite, 124A11:270–271
 apatite, 124A11:261
 backarc spreading, 124A11:280
 backstripping, 124B30:408
 bacteria, 124A11:246–247; 124B16:227–228
 basalts, 124A11:253, 255, 257–263, 273–274;
 124B1:5–6; 21:304
 basement, 124A11:253, 255, 262–268, 279; 124B1:5–
 6; 17:235; 19:254
 bathymetry, 124A4:44–48; 15:416
 bedding, 124A11:201
 biostratigraphy, 124A11:223–226; 15:415–418;
 124B1:6; 2:12, 21–23, 26–28, 33, 35; 9:131;
 10:133, 137–138, 140, 142–144; 11:163–169;
 26:360–362
 biotite, 124A11:212, 260–261, 263
 biscuit structures, 124A11:228–229
 borehole logs, 124A11:268–275; 124B6:76, 78–79, 89;
 8:105–118
 bound water, 124A11:273
 breccia, 124A11:261–262
 Brunhes/Matuyama boundary, 124A11:226, 233
 carbon isotopes, 124B14:208, 212; 16:227–230
 carbonates, 124A11:222–223, 235–239, 261–262;
 12:315; 124B10:184; 11:236–237; 14:205–209;
 28:375–378; 31:414–415; 40:527–528
 celadonite, 124A11:225, 261, 263; 124B13:184, 186;
 26:361
 cementation, 124B13:181–193
 cerium, 124A11:264–265; 124B21:305–307
 chalcedony, 124A11:261–262
 chemical composition, 124B21:301–306; 31:420,
 422–423; 35:482, 484
 chrome spinel, 124A11:255, 263; 124B19:263
 clay, 124A11:201, 209–212, 215, 217–218, 234, 255,
 260–263, 269–271, 280; 12:315; 124B1:6;
 31:411–413, 416–418
 clinoptilolite, 124B13:184–187
 clinopyroxenes, 124A11:253, 255, 259–263;
 124B19:258
 coal, 124B4:61
 collisions, 124A11:199
 compaction, 124A11:222, 251, 271
 continentality index, 124A11:217–218
 cooling units, 124A11:261
 coring summary, 124A11:196
 crust, 124B6:75–90; 24:339–343
 crystallization, 124A11:201, 210–211, 255, 257,
 124B13:183
 decompaction, 124B30:405, 408
 deposition, 124A11:201, 220–222; 124B4:60
 detrital sediments, 124B31:414
 devitrification, 124A11:260, 262
 diabase, 124A11:255, 259–260, 263, 265
 diagenesis, 124A11:220, 241; 124B13:181–193;
 14:203–215; 31:421–425
 disconformities, 124B40:528
 dolomite, 124A11:235, 239; 124B13:184; 40:527–528,
 530
 electrical properties, 124B7:91–103
 faults, 124A11:221–222, 277; 124B8:116–118
 feldspars, 124A11:263–264; 124B13:184
 fractures, 124A11:222–223, 257, 274; 124B1:7; 8:111–
 113, 115, 117
 geochemistry, 124B35:467–482; 41:534–537
 geological evolution, 124B9:129
 glaciation, 124B28:375–378
 graded beds, 124A11:214–216

- gypsum, 124A11:222–223, 274
 hematite, 124A11:260
 heulandite, 124B13:184, 186–187
 hornblende, 124A11:209, 212, 260–261, 263
 hydrocarbon gases, 124A11:244–247; 124B14:208–209, 213; 16:227–231
 hydrofractures, 124A11:222–223
 hydrogen isotopes, 124B16:227–231
 ichthyoliths, 124A11:226
 iddingsite, 124A11:257
 igneous rocks, 124A11:257–262
 illite, 124A11:217–218, 261, 269; 124B13:184
 impedance, 124B37:508–510
 inorganic geochemistry, 124A10:235–241; 124B19:256–259
 kaolinite, 124A11:217–218
 labradorite, 124A11:263
 lapillistone, 124A11:212–214, 270; 124B1:6; 13:183
 lithic ash, 124A11:218
 lithostratigraphy, 124A11:199–214, 257–262, 278–279; 12:315; 15:415–418; 124B1:5; 9:131; 30:400–401, 409–410; 31:412
 location, 124A11:198; 124B2:12
 magmas, 124A11:220, 263–266; 124B14:215
 magnetic properties, 124A4:44–45; 11:199, 226–233, 274, 276, 279; 12:319–320; 15:418–419; 124B2:11, 13, 18, 21, 28, 33; 24:339–343; 38:511–515
 mantle, 124B21:308
 marlstone, 124A11:208–210, 212; 12:315
 mesostasis, 124A11:253, 259–263
 mica, 124B31:412–414
 microfaults, 124A11:221–223
 microgabbro, 124A11:255, 260–261, 263–265
 mineralogy, 124B19:253, 255; 31:411
 mordenite, 124B13:184–187
 nannofossil marl, 124A11:201, 269
 neon, 124A11:264
 niobium, 124A11:265–266; 124B21:304–305
 olivine, 124A11:253, 255, 257–265
 opal-CT, 124B13:186
 organic geochemistry, 124A11:241, 244–247; 15:419; 124B14:213; 15:218, 222–223
 organic matter, 124A11:241, 246, 280; 124B15:220–223
 orthopyroxenes, 124A11:255, 260, 263
 oxides, 124B35:474–475
 oxygen isotopes, 124B14:206–208, 210; 17:236–237
 paleodepth, 124B30:402
 paleolatitude, 124A11:230
 petrogenesis, 124B21:299–300
 petrography, 124B35:467–482
 petrology, 124B19:251–269
 phillipsite, 124B36:492
 physical properties, 124A11:248–257, 268–273; 15:418; 124B6:76, 78–79, 81–82, 86–88, 92–93; 37:509
 plagioclase, 124A11:253, 255, 259–263; 124B13:183; 19:261; 30:402
 pore water chemistry, 124A10:238–241; 11:217–218, 220, 235, 238–239, 241, 252–254, 257, 260–279; 124B6:84–85; 13:184, 186–187; 14:205–210, 213–215; 16:227–231; 31:414–416, 418–419; 35:474–475
 pumice, 124A11:216; 124B13:183, 185–186
 pyrite, 124A11:208
 pyritization, 124B15:220–222
 pyroclastic rocks, 124A12:315; 124B1:6; 13:181–193
 pyroxenes, 124A11:255–256, 260–263
 quartz, 124A11:209; 124B13:184, 186; 31:412–414
 recrystallization, 124A11:239; 124B14:205–209
 regional stress 124A11:198–199
 resistivity, 124A11:268–273; 124B6:76
 reworking, 124A11:224
 rhyolites, 124A11:270–271
 rock strength, 124B8:110
 Rock-Eval data, 124A18:242–243
 sand, 124A13:201, 208–210
 sea level changes, 124A15:221; 124B28:376–377; 30:406
 secondary carbonates, 124B17:233–236
 sedimentary breaks, 124B32:441–444
 sedimentation rates, 124A11:220–221, 232–235; 15:415–418; 28:377–378; 124B30:399–406
 seismic stratigraphy, 124A4:44–45, 52–62; 11:199, 274–279
 sheet flows, 124A11:255, 261–263, 274
 shrinkage cracks, 124A11:222
 silicates, 124B6:83–84
 sills, 124A11:255, 260–261, 263–265, 279
 silt, 124A11:201, 208–210
 slickensides, 124A11:223
 slumping, 124A11:277
 smectite, 124A11:217–218, 235, 255, 261–262, 269; 124B13:183–186; 36:492
 stress, 124A11:274–276; 13:382; 124B8:108–110
 structures, 124A11:221–222
 subduction, 124A11:198–199; 124B1:7
 subsidence, 124B30:399–406
 tectonics, 124B1:5–7
 tephra, 124B4:61
 thermal fracturing, 124B8:112–113, 115
 tilting, 124A11:230
 transit time, 124B6:80–82
 tuff, 124A11:209–210, 212–216, 218–220, 269–271, 279; 124B1:6; 13:183, 195
 turbidites, 124A11:201, 209–211, 215, 269, 278; 12:315; 124B1:7; 2:22; 32:436–441
 unconformities, 124A11:277–278
 vitric rocks, 124A11:201, 208, 218
 vitrinite reflectance, 124B15:222
 void ratio, 124A11:250–251, 257
 volcanics, 124A11:201, 208–214, 218–219, 253, 257, 259–263; 124B13:183–186; 21:297–309; 31:414; 34:461–462, 491–492
 volcanoclastics, 124A11:218–220
 volcanism, 124A11:212–213, 280; 124B1:6; 4:56–57, 59–60; 34:461–462
 water circulation, 124A11:246; 124B17:236
 water content, 124A11:248, 250–251, 257
 weathering, 124A11:217–218
 well-logs, 124A11:268–274, 282–297; 12:273–274

- zeolites, 124A11:255, 261–263; 124B13:184
 Site 769
 alkalis, 124A12:314–315
 alteration, 124A12:306–307, 313–314, 330; 124B1:6–7; 13:187, 191–193
 amphibole, 124B35:485
 analcime, 124B13:187
 andesites, 124A11:255; 12:313–315; 124B23:333–334
 aragonite, 124B29:387–389
 augite, 124A12:313–314
 barium, 124B29:389, 395
 basalts, 124A11:255; 12:313–315; 124B1:5–6
 basement, 124A11:255; 12:314–315; 124B1:5–6; 17:235, 254
 bathymetry, 124A4:44–48; 15:416
 biostratigraphy, 124A12:315–319; 15:415–418; 124B1:6; 2:12–13, 23, 29–30, 34–35; 9:131; 10:133, 140–141, 145; 11:163–167; 26:361–363
 biotite, 124A12:304
 Brunhes/Matuyama boundary, 124B38:512
 carbonate compensation depth, 124A12:315; 124B29:387–389
 carbonates, 124A12:315, 317, 325–328, 339; 124B13:187, 190–191; 28:375–378; 31:414–415
 cementation, 124B13:181–193
 chalcedony, 124A12:309
 chemical composition, 124B21:305, 307; 31:422–423; 35:482, 484
 chlorite, 124A12:310–311
 clay, 124A12:304–306, 309–311, 315, 339; 124B1:6; 13:188, 190–192; 31:411–413, 416–418
 clinopyroxenes, 124A11:255; 12:313–314; 124B13:187; 19:259
 continentality index, 124A12:310–311
 copper, 124B29:389–392, 396
 coring summary, 124A12:300
 crystallization, 124A12:304–305, 313; 124B21:307–308
 density, 124A12:331–332, 334–335
 deposition, 124A12:311–313; 14:404–405
 detrital sediments, 124B31:420
 diagenesis, 124B13:181–193; 31:421–425
 dissolution, 124A12:315, 317–318; 124B29:389
 dolomite, 124A12:306
 faults, 124A12:336–337; 124B38:515
 foraminifer marl, 124A12:312–313
 foraminifer ooze, 124A12:302
 Gauss/Matuyama chron boundary, 124A12:319, 324
 geochemistry, 124B35:467–482; 41:538–539
 geologic evolution, 124B9:129
 glaciation, 124A12:301, 315; 124B28:375–378, 385–386
 gravity anomalies, 124A12:300
 hornblende, 124A12:304, 307
 hydrocarbon gases, 124A12:330, 332; 124B14:213
 hypersthene, 124A12:313–314
 ice rafting, 124A12:315
 ichthyoliths, 124A11:319
 igneous rocks, 124A12:311–312
 illite, 124A12:309–311
 inorganic geochemistry, 124A12:325–330; 124B19:256–259
 iron, 124B31:414–415, 418–419
 isotopes, 124B29:385–388
 isotopic age, 124B23:329–330
 kaolinite, 124A12:310–311
 lapillistone, 124A12:306–309, 311, 339; 124B1:6
 lithic fragments, 124A12:306–307, 311
 lithostratigraphy, 124A12:301–315; 15:415–418; 124B1:5; 9:131; 31:409–410, 412
 location, 124A12:300–301; 124B2:12–13
 magmatism, 124B23:327
 magnetic properties, 124A4:44–45; 12:319–325; 15:418–419; 124B2:11, 13, 18, 23, 30, 34; 38:511–518
 magnetite, 124A12:313–314
 mantle, 124B21:308
 marlstone, 124A12:315
 mica, 124B31:412–414
 mineralogy, 124B19:255–256; 31:411
 molybdenum, 124B29:390–392, 396
 nannofossil marl, 124A12:302–306, 312–313, 338
 olivines, 124A11:255, 306–307, 313–314; 124B13:187
 opal, 124B29:389
 organic geochemistry, 124A12:330–332; 15:419; 124B14:213; 29:389–392
 organic matter, 124A12:330
 orthopyroxenes, 124A11:255; 12:313
 oxides, 124A12:313–314; 124B35:474–475
 oxygen isotopes, 124B29:385–387, 395
 palagonite, 124B13:188, 190–191
 paleo-redox, 124B29:390–391
 petrogenesis, 124B21:301
 petrography, 124A12:313–315; 124B35:467–482
 petrology, 124B19:251–269
 phillipsite, 124B13:187–188, 190–192, 196, 198; 36:492
 physical properties, 124A12:330–339; 15:418; 124B37:509
 plagioclase, 124A11:255; 12:304, 306–307, 313–314; 124B13:187; 19:262
 plate movements, 124B38:513–515
 Pliocene/Pleistocene boundary, 124A12:339
 pore water chemistry, 124A12:314, 326, 328–330; 124B4:213; 14:215; 29:389; 31:414–416; 35:474–475
 pyrite, 124B26:361, 364–365
 pyroclastic rocks, 124A12:315, 339, 341; 124B1:6; 13:181–193
 pyroxenes, 124A12:304, 307; 124B19:257
 quartz, 124A12:304; 124B31:412–414
 reworking, 124B10:141
 rifting, 124A12:341; 124B21:308–309
 Rock-Eval data, 124A12:331
 rotation, 124B38:513–515
 saponite, 124B13:193
 sea level changes, 124A12:301, 315; 124B4:61; 26:364–365, 376–377; 29:385–389
 sedimentation, 124A12:311–313, 323–327; 15:415–418; 124B4:55–56; 28:377–378; 29:380

- seismic stratigraphy, 124A4:44–45, 5:63–69; 12:335–341; 124B4:57; 38:518
- sheet flows, 124A11:255–256
- sills, 124A12:339
- slumping, 124A12:305, 339
- smectite, 124A12:309–311, 330; 124B13:187–188, 190–191, 196–197
- soft-sediment deformation, 124A12:304
- sorting, 124A12:306
- sulfate reduction, 124A12:328
- tectonics, 124B1:5–7; 4:54
- tephra, 124B4:61
- tilting, 124A12:306, 321; 124B38:515
- time series analysis, 124B29:391–392
- tuff, 124A11:255; 12:306–309, 311, 339; 124B1:6; 13:197–199
- turbidites, 124A12:315, 339
- vesiculation, 124A12:307–309
- vitric rocks, 124A12:304
- void ratio, 124A12:332, 334–335
- volcanic ash, 124A12:304, 306, 339; 124B34:461–462
- volcanic glass, 124A12:304–306, 311, 313–314, 339; 124B13:187, 191, 199; 36:491–492
- volcanic rocks, 124B21:297–309
- volcanism, 124A12:301, 307–309, 312–313; 124B1:6; 4:56, 60; 34:461–462
- water content, 124A12:332, 334–335
- weathering, 124A12:310–311
- zeolites, 124A12:309; 124B13:187–188
- Site 770
- age, 124B1:3; 5:69
- alkalinity, 124A13:356
- alteration, 124A13:356, 362–369; 124B1:5, 7; 20:277–278
- aluminum, 124A13:376
- barium, 124B20:282–284
- basalts, 124A13:351, 359–360, 362–369, 374–381; 124B1:3; 3:47; 20:273–275; 22:312
- basement, 124A10:169; 13:351, 369–373, 384; 124B1:3; 3:40; 4:58–59
- bathymetry, 124A4:44–48; 15:416
- biostratigraphy, 124A13:350–353; 15:415–418; 124B1:4; 2:12–13, 19–21, 24–25; 10:133, 138–139; 25:348–350, 353; 33:452
- breccia, 124B20:273–275; 26:360, 362–365, 367–368;
- calcium carbonate, 124A13:356–357, 359–360, 365–369; 124B1:4; 17:236–237; 20:277; 33:447–448
- carbonate compensation depth, 124A13:347–348; 124B33:447–453, 455
- chemical composition, 124B35:482
- chrome spinel, 124B20:277, 284, 291
- clay, 124A13:346–347, 351, 359–360, 362–369; 124B1:3–4
- clayey sand, 124A13:347
- claystone, 124A13:346–347
- clinopyroxenes, 124A13:362–369; 124B20:277
- compaction, 124A13:358
- coring summary, 124A13:344
- corundum, 124B22:312
- Cotabato Trench, 124A13:382
- crust, 124B6:75
- crystallization, 124B20:273, 275, 277
- deposition, 124A13:347–349; 124B25:349
- depth shifts, 124A13:376–377
- devitrification, 124A13:362–369
- diabase, 124A13:368–369; 124B20:275
- dikes, 124B20:275
- dissolution, 124B10:138
- downhole logs, 124A13:369–381; 124B6:77–78, 80, 89; 8:105–118; 42:544, 549–550
- electrical properties, 124B7:91–103
- Eocene/Oligocene boundary, 124B33:447–453
- faults, 124B8:116–118
- flow sheets, 124B20:273
- fractures, 124B1:3; 8:111–113, 115, 117
- geochemistry, 124A13:369–373; 124B22:311–319
- glaciation, 124A13:352
- hydrocarbon gases, 124A13:357
- iddingsite, 124A13:369
- igneous rocks, 124A13:370–371
- illite, 124A13:377–378
- ilmenite, 124A13:365–366; 124B20:277
- inorganic geochemistry, 124A13:356; 124B42:541–552
- irradiation memory, 124A13:375–376
- lapillistone, 124B1:6
- lava, 124A13:365–369
- limonite, 124A13:359, 362, 368–369
- lithostratigraphy, 124A13:346–350, 362–369, 383–384; 15:415–418; 124B1:5; 3:41; 20:273–275
- location, 124B2:12
- magnetic properties, 124A4:44–45; 13:353–354; 15:418–419; 124B1:4–5; 3:40–42; 39:519–520
- mantle, 124B22:317–318
- marl, 124A13:346
- mass accumulation rates, 124B33:449–451, 455, 457
- mesostasis, 124B20:273, 275, 277
- microfaults, 124A13:347
- mid-ocean-ridge basalts, 124B22:315–319
- mineral chemistry, 124B20:282
- Molucca Sea collision zone, 124A13:382
- nannofossil claystone, 124A13:347
- neodymium, 124B20:284, 292–293
- nepheline, 124B22:312
- oceanic crust, 124B6:75–90
- olivine normative tholeiites, 124A13:369–371
- olivines, 124A13:359, 362–369; 124B20:273–275, 277, 284
- organic geochemistry, 124A13:356–359; 15:419; 124B14:213
- organic matter, 124A13:357
- oxides, 124B20:277; 35:474–475; 42:544, 551–552
- oxygen isotopes, 124B17:236–237
- paleodepth, 124A13:351
- petrogenesis, 124B22:311–319
- petrography, 124B20:275–277
- petrology, 124B20:271–286
- phyric textures, 124B20:273–275, 277
- physical properties, 124A13:344–345, 357–359, 361–363, 374–375, 379–382, 385; 15:418; 124B1:3; 5:67; 6:77–78, 80–81, 83, 86–88; 7:92–93; 8:108, 110–111; 33:456

- plagioclase, 124A13:359–360, 362–369; 124B6:77;
 20:273–275, 277, 288–290
- plate motion, 124A13:353
- pore water chemistry, 124A13:347, 356–369, 376–
 381; 124B6:84, 86; 14:213, 215; 20:277–278,
 281–284, 291–293; 35:474–475; 42:544, 549–
 550
- pyroxenes, 124B20:285–286
- rare earths, 124B20:284, 293; 22:318
- reduction, 124A13:356
- rock strength, 124B8:110
- rotation, 124B39:519–520
- seafloor spreading, 124B1:5
- secondary minerals, 124B17:233–236; 20:277–278
- sedimentation, 124A13:347–349, 354–356; 15:415–
 418; 124B1:3; 3:40; 4:58–59; 33:448–449, 453
- seismic stratigraphy, 124A4:44–45, 70–82; 13:382–
 384; 124B3:41
- sericite, 124A13:365
- sheet flows, 124B20:277
- sills, 124A13:368–369; 124B1:6; 20:275
- smectite, 124A13:356, 377
- subduction, 124B1:3
- tectonics, 124B1:3–5
- thermal fracturing, 124B8:112–113, 115
- thorium, 124A13:377–381; 124B20:282–284; 42:544,
 549–550
- titanium, 124A13:372–373; 124B20:278, 281
- turbidites, 124B1:4
- unconformities, 124A13:350
- uranium, 124B42:549–550
- volcanic ash, 124A13:346
- volcanic glass, 124A13:360, 362–369
- volcanic rocks, 124B3:40
- water circulation, 124B17:236
- water content, 124A13:358–359, 361
- water depth, 124B33:454–455
- well-logs, 124A13:376–381, 386–397
- zirconium, 124A13:372–373; 124B20:278, 284
- Site 771
- acoustic basement, 124A14:400, 410
- alteration, 124A14:402–403; 124B1:6, 7; 13:187, 191–
 193
- analcime, 124B13:187
- andesites, 124A11:255; 14:402; 124B23:333–334
- augite, 124A14:402–403
- basalts, 124A11:255; 14:402–403; 124B1:5–6
- basement, 124A11:255; 124B1:5–6; 19:254
- bathymetry, 124A4:44–48; 15:416
- biostratigraphy, 124A14:405–406; 15:415–418;
 124B1:6; 2:12–13, 23–26, 31–32; 9:131; 10:133,
 141, 146–147; 11:163–166; 26:362–364
- bioturbation, 124A14:400
- brown claystone, 124B1:6
- calcite, 124B13:187, 190–191
- calcium carbonate, 124A14:404–405
- carbonate compensation depth, 124A14:411
- cementation, 124B13:181–193
- clay, 124A14:400–402, 411; 124B13:188, 190–192
- clinopyroxenes, 124A11:255; 14:403; 124B13:187
- coring summary, 124A14:399
- crystals, 124A14:402–403
- deposition, 124A14:403–404; 124B4:61; 30:404–405
- diagenesis, 124B13:181–193
- fractures, 124A14:402
- geologic evolution, 124B9:129
- grain density, 124A14:409–410
- igneous petrology, 124A14:402; 124B19:251–269
- inorganic geochemistry, 124B19:256–259
- isotopic age, 124B29:329–330
- lapillistone, 124A14:410–411
- lithostratigraphy, 124A14:400–405, 410–411; 15:415–
 418; 124B1:5; 9:131
- location, 124A14:400; 124B2:12
- magmatism, 124B23:327
- magnetic properties, 124A4:44; 14:406–408; 15:418–
 419; 124B38:511–515
- methane, 124A14:409
- microfaults, 124A14:402
- mineralogy, 124B19:255–256
- nannofossil marl, 124A30:400–401, 411
- olivines, 124A11:255; 14:402–403; 124B13:187
- organic geochemistry, 124A14:409, 419
- orthopyroxenes, 124A11:255; 14:403
- palagonite, 124B13:188, 190–191
- petrography, 124A14:402–403
- phillipsite, 124B13:187–188, 190–192, 198
- physical properties, 124A10:409–411, 418;
 124B37:509
- plagioclase, 124A11:255; 30:402–403; 124B13:187
- Pliocene/Pleistocene boundary, 124A14:411
- potassium, 124A14:403
- pyrite, 124B26:364–365
- pyroclastic rocks, 124A14:404, 411, 124B1:6; 13:181–
 193
- saponite, 124B13:193
- sea level changes, 124B26:364–365
- sedimentation rates, 124A14:407–408; 15:415–418;
 124B4:55–56
- seismic stratigraphy, 124A4:44–45, 83–85; 14:410,
 412–414; 124B4:57
- sheet flows, 124A11:255–256; 14:403
- silica, 124A14:403
- silt, 124A14:400
- smectite, 124A14:402–403; 124B13:187–188, 190–191
- tectonics, 124B1:5–7; 4:54
- tilting, 124A31:410
- tuff, 124A14:401–402, 411; 19:255; 124B1:6; 13:198
- turbidites, 124A14:404
- velocity, 124A14:409, 411
- void ratio, 124A14:409–410
- volcanic ash, 124A14:401
- volcanic glass, 124B13:187, 191; 30:402–403
- volcanic rocks, 124A14:402–405
- volcanism, 124A14:404, 410–411; 124B1:6; 4:56, 60
- water content, 124A31:409–410
- water depth, 124B5:70
- zeolites, 124B13:187–188
- Site 772
- bathymetry, 124E_A13:79
- bedding, 124E_A13:76
- biostratigraphy, 124E_A13:78

bioturbation, 124E_A13:76, 78
carbon, 124E_A13:81
clay, 124E_A13:76, 81
claystone, 124E_A13:76
compaction, 124E_A13:81
coring, 124E_A2:23; 6:46; 7:56; 13:78, 84
geophysics, 124E_A13:76
geotechnical stratigraphy, 124E_A13:81–83, 88–89
igneous rocks, 124E_A13:76
impedance, 124E_A13:80, 87
lithostratigraphy, 124E_A1:5; 13:76, 78
location, 124E_A13:77
magnetic properties, 124E_A13:78, 82–83
nitrogen, 124E_A13:81
physical properties, 124E_A13:78–81, 83–88
pore water chemistry, 124E_A13:81
seismic stratigraphy, 124E_A13:81–83
sulfur, 124E_A13:81
water content, 124E_A13:79–80, 85
water sampler temperature probe, 124E_A13:85

Site 773
claystone, 124E_A14:94
coring, 124E_A2:23–30; 6:46; 7:56; 14:93, 95
faults, 124E_A14:94
geophysics, 124E_A14:94
lithostratigraphy, 124E_A14:94
location, 124E_A1:5; 14:92
seismic stratigraphy, 124E_A14:94

Site 774
basement, 124E_A15:99
coring, 124E_A2:30; 6:46
geophysics, 124E_A15:99
location, 124E_A15:98
reflectors, 124E_A15:99
seismic stratigraphy, 124E_A1:7; 15:99–100

Site 775
coring, 124E_A2:30; 6:46; 16:103
geophysics, 124E_A16:103
lithostratigraphy, 124E_A16:103
location, 124E_A16:102
seismic stratigraphy, 124E_A1:7; 16:104

Site 776
location, 124E_A1:7; 17:106
well-logging, 124E_A17:108–109

Site 777
Brunhes/Matuyama boundary, 124E_A18:124
chert zone, 124E_A18:118, 120, 122–123
clay, 124E_A18:122–123
claystone, 124E_A18:122–123
coring, 124E_A6:46, 49–50; 18:123, 133–135
disconformities, 124E_A18:125
geophysics, 124E_A18:118–121
geotechnical stratigraphy, 124E_A18:132–133
grain density, 124E_A18:130
impedance, 124E_A18:130
lithostratigraphy, 124E_A18:122–123
location, 124E_A1:7; 18:113–115
magnetic properties, 124E_A18:119, 123–129
physical properties, 124E_A18:130–133
porcellanite, 124E_A18:122–123, 133–134
pore water chemistry, 124E_A18:123–124

sedimentation rates, 124E_A18:130
seismic stratigraphy, 124E_A18:118–121
silicification, 124E_A18:123
stratigraphy, 124E_A18:115–116
void ratio, 124E_A18:130–132

Site 778
biostratigraphy, 125A6:102; 125B2:15–17
lithostratigraphy, 125A6:100–101, 109–110; 15:371;
125B18:341; 19:349; 33:563; 36:602–604
location, 125A2:8; 125B18:327; 21:374; 26:431, 433;
27:450; 33:562
mafic rocks, 125B24:402–409
metamorphic rocks, 125B25:415–420, 425–426
mineralogy, 125B25:423
objectives, 125B36:598–599
peridotites, 125B27:445–458, 466, 468, 474, 479;
28:489–505; 30:529–531
platinum-group elements, 125B29:509–513
seismic reflection profiling, 125A3:43, 45
serpentine sediments, 125B18:331–337, 354–355
serpentinite mud, 125B17:319; 195B4:1–49
site summary, 125A11:268–269; 125B19:344, 347
trace elements, 125B28:489–505
ultramafic rocks, 125B26:431, 433–443

Site 779
calcareous nannofossils, 125B2:15–17
iodine and boron, 195B5:1–18
lithostratigraphy, 125A7:117–120, 132; 15:371;
125B19:350; 29:509; 30:520, 522; 33:563;
36:602, 604–605
location, 125A2:8; 125B18:327; 21:374; 26:431, 433;
27:450; 33:562
mafic rocks, 125B24:402–409
metamorphic rocks, 125B25:415–420
mineralogy, 125B25:423
objectives, 125B36:598–599
peridotites, 125B27:445–458, 466, 468–471, 474–475,
479–481; 28:489–505; 30:524–525, 529–531
platinum-group elements, 125B29:509–513
rheology, 125B20:365–371
serpentine, 125B19:355, 358
serpentinite mud, 125B17:320; 195B4:1–49
site summary, 125A15:369–370; 125B19:347–349
trace elements, 125B28:489–505
ultramafic rocks, 125B26:431, 433–443

Site 780
calcareous nannofossils, 125B2:15–17
lithostratigraphy, 125A8:151–152; 175–177; 15:371;
125B19:350; 30:520; 33:563; 36:600, 602
location, 125A2:8; 125B18:327; 21:374; 26:431, 433;
27:450; 33:562
objectives, 125B36:595
peridotites, 125B27:445–458, 466, 471, 474–475, 481–
482; 28:489–505; 30:524–525, 529–531
rheology, 125B20:366–368
seismic reflection profiling, 125A3:45–47
serpentines, 125B19:355, 358–359
serpentinite mud, 125B17:321; 20:365–366, 368–371
site summary, 125A15:372; 125B19:349, 351
trace elements, 125B28:489–505
ultramafic rocks, 125B26:431, 433–443

Site 781

arc-tholeiite intrusion, 126B42:640
 basalts, 125B16:296–304
 calcareous nannofossils, 125B2:15–19
 geochemistry, 135B38:635
 lithostratigraphy, 125A9:180–182, 193, 195; 15:371;
 125B7:118
 location, 125A2:8; 125B7:116; 16:294; 18:327;
 21:374; 33:562
 mineralogy, 125B7:118–119
 potassium-argon dating, 125B16:296–297
 seismic reflection profiling, 125A3:42–45, 48–53;
 125B16:294–295
 serpentinite mud, 125B17:322
 site summary, 125A15:372–373

Site 782

biostratigraphy, 126B2:18–22, 29–30; 3:50–52; 5:91,
 93; 6:95–96; 19:296
 geochemical logging, 125B39:663, 666–667
 lithostratigraphy, 125A10:201–202, 221; 15:374;
 125B7:119; 32:547; 37:617–618
 location, 125A2:7; 20:370; 125B6:102; 7:116; 9:144;
 11:203–204; 15:278; 19:347; 32:548; 33:562;
 126B4:76; 26:384; 31:468; 39:576
 major element geochemistry, 125B7:120
 mineralogy, 125B7:119–120
 sedimentation, 125B37:617–619; 126B19:285
 seismic reflection profiling, 125A3:45, 55–57
 site summary, 125A15:373
 stable isotopes, 125B13:246–253
 tephra layers, 126B3:67
 trace elements, 125B7:120–121; 11:253–258
 volcanic ash, 125B15:279–287

Site 783

biostratigraphy, 125B2:18–19; 5:91, 93
 lithostratigraphy, 125A13:255–256; 15:374;
 125B19:352; 29:509; 32:547; 36:608–609
 location, 125A2:7; 125B7:116; 19:347–348, 351–352;
 20:370; 21:375; 27:446; 32:548; 33:562;
 126B39:576
 metamorphic rocks, 125B25:420–423, 426
 mineralogy, 125B7:121
 objectives, 125B36:600
 peridotites, 125B27:445–458, 467, 471–472, 476–477,
 482–483; 28:489–505
 platinum-group elements, 125B29:509–513
 rheology, 125B20:366–368; 36:609–610
 seismic reflection profiling, 125A3:45, 58–61; 5:85,
 87–88, 92–93
 serpentines, 125B19:355, 359
 serpentinite mud, 125B20:365–366, 368–371
 site summary, 125A15:373
 trace elements, 125B28:489–505

Site 784

biostratigraphy, 125A12:277; 125B2:18–19; 3:52;
 6:96–102
 geochemistry, 125B7:122
 lithostratigraphy, 125A12:275–277; 125B14:268;
 19:353; 29:509; 32:547; 33:563; 36:609

location, 125A1:7; 15:370; 125B6:102; 7:116; 9:144;
 15:278; 19:347–348; 21:375; 27:446; 32:548;
 33:562; 126B39:576
 metamorphic rocks, 125B25:420–423, 426
 mineralogy, 125B7:121–122
 objectives, 125B36:600
 peridotites, 125B27:445–458, 467, 472–474, 477–478,
 483–485; 28:489–505
 platinum-group elements, 125B29:509–513
 rheology, 125B20:366–368; 36:609–610
 sedimentary sequences, 125B37:617
 sedimentation rates, 125B37:620
 serpentines, 125B19:355, 359
 serpentinite mud, 125B20:365–366, 368–371
 site summary, 125A21:373, 375; 125B19:352, 354
 strontium isotopes, 125B23:399
 trace elements, 125B28:489–505
 vein structures, 126B13:206
 volcanic ash, 125B15:279–287

Site 785

biostratigraphy, 125B2:18–35; 5:93–94
 lithostratigraphy, 125A13:309; 15:374
 location, 125A1:7; 15:370; 125B19:347; 33:562;
 126B39:576
 pumice deposition, 126B1:9
 seismic reflection profiling, 125A3:45, 62–64
 site summary, 125A15:375

Site 786

basement structure, 125B14:269–271
 biostratigraphy, 125B2:18–35; 3:52–53, 71–74; 4:74–
 76; 5:93–94; 6:97, 103, 104; 14:263; 126B19:296
 forearc basement, 125B11:206–208; 14:269–271
 geochemical logs, 125B39:663–664, 666, 670–671
 igneous geochemistry, 125B9:149–154, 158–161, 170–
 173; 12:212–213, 217, 222–223, 226–227
 lithostratigraphy, 125A14:316–318, 338–339; 15:376–
 379; 125B7:122; 9:144–149; 10:174–176;
 12:214–216; 32:547; 37:619
 location, 125A1:7; 15:370; 125B4:72; 6:102; 7:116;
 9:144–145; 11:203–204; 15:278; 17:314; 19:347;
 32:548; 126B4:76; 26:384; 31:468; 39:576
 mineral melt equilibria, 125B10:183–186
 mineralogy, 125B7:122, 124; 10:173–182
 objectives, 125B4:71
 paleobathymetry, 125B4:76–77
 parental magma, 125B12:227
 petrography, 125B10:173–182
 potassium-argon dating, 125B11:204–208
 sedimentary hiatuses, 125B37:619
 sedimentation rates, 125B37:622; 126B19:285
 seismic reflection profiling, 125A3:46, 65–67;
 125B35:585–589
 site summary, 125A15:375–378
 stable isotopes, 125B13:246–248
 stratigraphic column, 125B8:132–134; 11:206, 242–
 245
 synthetic seismograms, 125B14:272; 35:585–587
 temperature, 125A20:372
 trace elements, 125B12:217–222, 232–233; 13:253–
 258; 41:681–682
 volcanic ash, 125B15:279–287

volcaniclastic rocks, 125B14:264–269; 126B3:68

Site 787

arc/forearc development, 126A2:6–9

arc volcanism, 126B42:632

basal sediments, 126B42:633–634

claystone, 126A10:407

deformed beds, 126B4:87

lithologic column, 126B4:50; 10:157

location, 126B4:76; 10:156; 13:196; 21:321; 26:384;
29:450; 31:468; 34:520; 36:543; 39:576

pelagic/hemipelagic sediments, 126B32:490, 494

pumice deposits, 126B1:9

pyroxene, 126B10:164–166

sedimentary sections, 126B41:605, 607

sedimentation, 126A10:408; 126B4:94

seismic stratigraphy, 126B39:576–577

turbidites, 126A10:407

vein structures, 126B13:196, 198–200

volcaniclastics, 126B10:155–161; 31:472, 475

Site 788

glass shards, 126B33:510, 513, 518

location, 126B4:76; 10:156; 14:210; 25:372; 26:384;
29:450; 31:468; 33:505; 34:520; 36:543; 39:576

manganese deposits, 126B7:114, 116

olivines, 126B10:162

pelagic/hemipelagic sediments, 126B32:490, 494

pumice deposits, 126B1:8–9, 11

pyroxenes, 126B10:164

rift flank uplift, 126B38:559

rifting, 126A1:9

sedimentary succession, 126A11:415; 126B33:506

sedimentation, 126B42:644, 646

trace fossils, 126B14:217–218

volcanic ash, 126B2:36–38

volcaniclastics, 126B10:155–161; 26:386–387; 31:472,
475

Site 789

location, 126B10:156; 25:372; 29:450; 33:505–506;
39:576

rifting, 126A1:9

Site 790

amino acids, 126B35:532

arc volcanism, 126B42:646

basement lava, 126B26:389–391

Brunhes/Matuyama polarity reversal, 126B23:341–
351

composite stratigraphic sections, 126B14:211

Gephyrocapsa sp., 126B17:263–268

glass shards, 126B33:510, 512, 518–522

hydrothermal circulation, 126B42:646

igneous rocks, 126A11:415, 418

lithologic column, 126B10:157

location, 126B3:76; 10:156; 14:210; 17:264; 18:372;
21:321; 26:384; 29:450; 31:468; 33:506; 34:520;
35:532; 36:543; 39:576

magnetic susceptibility, 126A11:418

olivines, 126B10:162

pelagic/hemipelagic sediments, 126B32:490, 494

pumice, 126B1:4–8

pyroxenes, 126B10:164

rift basins, 126B38:559, 562–563

rifting, 126A1:9

sedimentary successions, 126B33:508–509

sedimentation, 126B42:646

sulfur isotopes, 126B29:450

trace fossils, 126B14:209–215

volcanic ash, 126B2:28–29, 36–39

volcaniclastics, 126B10:155–161; 31:472, 475, 478

Site 791

amino acids, 126B35:533–534

arc volcanism, 126B42:646

basaltic mousse, 126B25:371–376; 26:391–392

basement lava, 126B26:389–391

Brunhes/Matuyama polarity reversal, 126B23:341–
351

composite stratigraphic sections, 126B14:211

depositional environment, 126B14:217

glass shards, 126B33:510, 512; 34:522–524

hydrothermal circulation, 126B42:646

igneous rocks, 126A11:415, 418

lithologic column, 126B10:157

location, 126B4:76; 10:156; 14:210; 25:372; 26:384;
29:450; 31:468; 33:506; 34:520; 35:532; 36:543;
39:576

magnetic susceptibility, 126A27:418

olivines, 126B10:162–163

pelagic/hemipelagic sediments, 126B32:490–491, 494

pumice, 126B4:96

rift basin, 126B38:559, 562–563

rifting, 126A1:9

sedimentary succession, 126B33:508–509

sedimentation, 126B42:646

sulfur isotopes, 126B29:450

tephra, 126B2:36–38

trace fossils, 126B14:215–217

volcaniclastics, 126B10:155–161; 31:472–479

Site 792

arc volcanism, 126B42:632

arc/forearc development, 126A1:6–9

basal sediments, 126B42:633–634

basement, 126A10:407; 126B27:419, 421

black tephra, 126B3:63

Brunhes/Matuyama boundary, 126B23:341–351;
127A5:199

chronostratigraphy, 126B44:679

composite stratigraphic sections, 126B14:220

hornblende, 126B10:168

hydrothermal alteration, 126B6:101–107; 27:419

igneous stratigraphy, 126B28:439–440

lithologic column, 126B3:50; 10:157; 41:606

location, 126B3:76; 10:156; 14:210; 21:321; 26:384;
29:450; 31:468; 34:520; 39:576; 40:593; 44:677

manganese deposits, 126B7:115–116

marine tephra, 126B3:52–58

mineralogy, 126B28:440–442

Oligocene arc, 126B27:417, 419

Oligocene sedimentary logs, 126B4:78–91

pelagic/hemipelagic sediments, 126B32:491–492,
494–495

pumice deposits, 126B1:9, 11

pyroxenes, 126B10:165–167

sedimentary sections, 126B41:605, 607

sedimentary structures, 126B2:62; 41:614, 618–620
sedimentation, 126A10:407–408; 126B8:225–227, 229
seismic stratigraphy, 126B39:577–581
stress field orientation, 126B41:620
sulfur isotopes, 126B29:450–451
tectonic setting, 126B11:171
tephra, 126B2:39; 3:49, 52–58, 61, 63–66; 30:457–463
trace fossils, 126B14:218–227
turbidites, 126A10:407; 126B41:608
volcanic ash, 126B2:34–35
volcanic stratigraphy, 126B27:405–406
volcaniclastics, 126B10:155–161; 31:473, 476, 478–479

Site 793

arc/forearc development, 126A1:6–9
arc volcanism, 126B42:632
basement, 126B27:407–417
carbonate bioclasts, 126B15:231–233
chronostratigraphy, 126B44:679
geochemistry, 135B38:635
hydrothermal alteration, 126B6:101–107; 28:436–439
lithologic column, 126B10:157; 15:232; 41:606
location, 126B4:76; 10:156; 13:196; 21:321; 29:450; 31:468; 34:520; 36:543; 39:576; 40:593; 44:678
manganese deposits, 126B7:115–116
mineralogy, 126B28:432–439
Oligocene sedimentary logs, 126B4:78–91
pelagic/hemipelagic sediments, 126B32:492, 495
petrography, 126B27:406–407
phosphate-yttrium enrichment, 125B12:222
pumice deposits, 126B1:9
pyroxenes, 126B10:165–168
rift volcanism, 126B27:405
sedimentary sections, 126B41:605, 607
sedimentary structures, 126B41:614–615, 617–620
sedimentation, 126A10:407–408
seismic stratigraphy, 126B39:581–583
stress field orientation, 126B41:620
sulfur isotopes, 126B29:451
tectonic setting, 126B11:171
tephra, 126B3:51, 66
turbidites, 126A10:407; 126B41:608
vein structures, 126B13:196, 198, 200
volcanic rock, 126B28:432
volcanic stratigraphy, 126B27:405–406
volcaniclastics, 126B10:155–161; 31:473, 476–479

Site 794

aluminum, 127/128B(1)37:654, 656
augite-liquid relations, 127/128B(2)54:870–872
barium, 127/128B(1)37:653–657
basalts, 127/128B(2)55:883–889; 56:891–898
basement, 127/128B(2)47:779–789; 49:807–814; 51:839; 52:849–855; 55:885, 888; 56:892–894; 57:901–902; 58:906, 908–911, 916–918; 59:934; 75:1181; 83:1339
biostratigraphy, 127/128B(1)12:190–193, 210–213; 20:344; (2)77:1221–1223
blue tuff, 127/128B(1)8:115–130
boron, 127/128B(1)36:638–641
crustal structure, 127/128B(2)69:1075–1081; 70:1107–1121

downhole logs, 127/128B(2)66:1039–1046; 89:1420–1421
downhole seismic experiment, 127/128B(2)68:1061–1073, 1075–1081; 70:1107–1121; 74:1157–1171
electrical resistivity, 127/128B(2)84:1351–1359
geothermal data, 127/128B(2)81:1301–1307
gray value, 127/128B(1)33:585
hydrogen isotopes, 127/128B(1)36:641–642
inorganic geochemistry, 127/128B(1)36:637–646; 79:1261–1274
liquid line of descent, 127/128B(2)54:870
magma suites, 127/128B(2)54:869
magmatic characterization, 127/128B(2)47:780–784
magnetostratigraphy, 127/128B(2)62:969–970
mantle source, 127/128B(2)49:807–815
Olduvai Subchron, 127/128B(1)12:218
operations, 127A4:85–90; 128A3:83–85
organic carbon, 127/128B(1)37:656
oxygen isotopes, 127/128B(1)36:641–643
parent magma, 127/128B(2)52:855–857; 56:894
physical properties, 127/128B(2)63:990–993; 80:1275–1296
radiometric age, 127/128B(2)47:780–784; 50:820, 824–826
revised lithostratigraphy, 127/128B(2)78:1231
sediment geochemistry, 127/128B(1)39:680, 682–684, 691–695; (2)78:1236–1237, 1242, 1246–1249
sedimentation rates, 127/128B(2)77:1224–1225
spinel chemistry, 127/128B(2)51:840–843
stress measurements, 127/128B(2)67:1050–1059
strontium isotopes, 127/128B(1)36:643–646
subsidence history, 127/128B(2)76:1207–1211
sulfate, 127/128B(1)36:637–638; 37:656
sulfur isotopes, 127/128B(1)36:637–638
trace metals, 127/128B(2)85:1362–1363
volcanic ash chemistry, 127/128B(2)87:1373–1393
well-logs, 127/128B(2)89:1416, 1418–1419
Yamato Basin tectonics, 127/128B(2)47:787–788

Site 795

augite-liquid relations, 127/128B(2)54:870–872
basement, 127/128B(2)49:807–814; 52:849–855; 58:906, 913–914, 918–919; 59:934, 937; 83:1338–1339
biostratigraphy, 127/128B(1)12:194–197; 20:344–345; (2)77:1223
boron, 127/128B(1)36:638–641
geothermal data, 127/128B(2)81:1301–1307
gray value, 127/128B(1)33:585
hydrogen isotopes, 127/128B(1)36:641–642
inorganic geochemistry, 127/128B(1)36:637–646; (2)79:1261–1274
lithostratigraphy, 127/128B(1)29:496–497; (2)78:1231
magnetostratigraphy, 127/128B(2)62:970–972
mantle source, 127/128B(2)49:807–815
operations, 127A5:182–186
oxygen isotopes, 127/128B(1)36:641–643
oxygenation, 127/128B(1)41:711–713
parent magma, 127/128B(2)52:855–857
physical properties, 127/128B(1)1:3–31; (2)63:993–997; 80:1275–1296
pyrite, 127/128B(1)41:711–713

- radiometric age, 127/128B(2)50:820–821, 826–827
 reworking, 127A5:198
 sediment composition, 127/128B(1)1:8; (2)78:1237–1240, 1243
 sediment geochemistry, 127/128B(1)39:680–681, 683–685, 691–695; 41:706–717
 sedimentation rates, 127/128B(2)77:1225
 strontium, 127/128B(1)36:643–646
 subsidence history, 127/128B(2)76:1207–1211
 sulfate, 127/128B(1)36:637–638
 sulfur, 127/128B(1)36:637–638
 trace metals, 127/128B(2)85:1365
 volcanic ash chemistry, 127/128B(2)87:1373–1393
- Site 796
- aluminum, 127/128B(1)37:654, 656
 barium, 127/128B(1)37:654–657
 biostratigraphy, 127/128B(1)12:198–200; (2)77:1223
 blue tuff, 127/128B(1)8:115–130
 boron, 127/128B(1)36:638–641
 clay mineral authigenesis, 127/128B(1)9:139
 feldspar albitization, 127/128B(1)9:136
 geochemical logs, 127/128B(2)89:1423
 geothermal data, 127/128B(2)81:1301–1307
 hydrogen, 127/128B(1)36:641–642
 inorganic geochemistry, 127/128B(1)36:637–646; (2)79:1261–1274
 lithostratigraphy, 127/128B(2)78:1231
 operations, 127A6:259–261
 organic carbon, 127/128B(1)37:656
 oxygen isotopes, 127/128B(1)36:641–643
 physical properties, 127/128B(2)63:997–999; 80:1275–1288
 reworking, 127A6:273
 sandstone provenance, 127/128B(1)7:99–113
 sediment geochemistry, 127/128B(1)39:681, 685, 691–695
 sedimentation rates, 127/128B(2)77:1225
 strontium, 127/128B(1)36:643–646
 subsidence history, 127/128B(2)76:1207–1211
 sulfate, 127/128B(1)36:637–638; 37:656
 sulfur, 127/128B(1)36:637–638
 volcanic ash chemistry, 127/128B(2)87:1373–1393
 well-logs, 127/128B(2)89:1416, 1422
 zeolitization, 127/128B(1)9:138–139
- Site 797
- augite-liquid relations, 127/128B(2)54:870–872
 basalt melting, 127/128B(2)53:861–868; 56:891–898
 basement, 127/128B(2)49:807–814; 51:839; 52:850–855; 56:891–894; 57:901–902; 58:906–907, 911, 914–916, 919–921; 59:934, 937–939; 83:1339–1340
 biostratigraphy, 127/128B(1)12:202–207, 213–215; 20:345, 348–349; (2)77:1223
 boron, 127/128B(1)36:638–641
 clay mineral authigenesis, 127/128B(1)9:139
 dark-light cycles, 127/128B(1)32:574, 577–601
 downhole logs, 127/128B(2)66:1039–1046; 89:1426–1427
 feldspar albitization, 127/128B(1)9:136–137
 fractionation models, 127/128B(2)54:872–874
 geothermal data, 127/128B(2)81:1301–1307
- gray value, 127/128B(1)33:585, 592
 hydrogen isotopes, 127/128B(1)36:641–642
 inorganic geochemistry, 127/128B(1)36:637–646; 79:1261–1274
 liquid line of descent, 127/128B(2)54:870
 lithostratigraphy, 127/128B(1)1:4; (2)78:1231
 magma suites, 127/128B(2)54:869
 magnetic minerals, 127/128B(2)60:949–951
 magnetostratigraphy, 127/128B(2)62:973
 mantle source, 127/128B(2)49:807–815
 opal-A/opal-CT transition, 127/128B(1)1:19
 operations, 127A5:337–340
 organic carbon, 127/128B(1)33:586–587, 592
 oxygen isotopes, 127/128B(1)36:641–643
 parental magma, 127/128B(2)52:855–857; 56:894
 physical properties, 127/128B(1)1:3–31; 63:999–1104; 80:1275–1296
 radiometric age, 127/128B(2)50:820, 822–824
 reworking, 127A7:357
 sandstone, 127/128B(1)7:99–113
 sediment composition, 127/128B(1)1:8–10; 33:582–584, 586–587, 592; (2)78:1240–1241, 1244
 sediment geochemistry, 127/128B(1)39:681, 685, 688–695
 sedimentation rates, 127/128B(2)77:1225
 spinel chemistry, 127/128B(2)51:840–843
 strontium isotopes, 127/128B(1)36:643–646
 subsidence history, 127/128B(2)76:1207–1211
 sulfate, 127/128B(1)36:637–638
 sulfur, 127/128B(1)33:586–587, 592
 sulfur isotopes, 127/128B(1)36:637–638
 trace metals, 127/128B(2)85:1366
 turbidite sands, 127/128B(1)7:99
 volcanic ash chemistry, 127/128B(2)87:1373–1393
 well-logs, 127/128B(1)1:7; (2)89:1417, 1424–1425
 zeolitization, 127/128B(1)9:138–139
- Site 798
- basalt alteration, 127/128B(1)40:699–701
 biostratigraphy, 127/128B(1)27:460–463; (2)77:1223–1224
 carbon/nitrogen ratio, 127/128B(1)25:435–437
 carbonate, 127/128B(1)25:435–437; 40:701–702
 chronostratigraphy, 127/128B(1)18:317–318
 clay mineral composition, 127/128B(1)24:416
 consolidation, 127/128B(2)71:1124–1127
 dark-light cycles, 127/128B(1)25:430–432; 26:446–447; 32:559–576
 feldspars, 127/128B(1)24:411–419
 geochemical logs, 127/128B(2)65:1021–1035; 88:1398, 1400–1402
 geologic setting, 127/128B(1)25:425; 26:440; 32:560
 geothermal data, 127/128B(2)81:1301–1307
 glauconite, 127/128B(1)5:63–74
 inorganic geochemistry, 127/128B(1)34:607–608; 40:697–703; (2)79:1261–1274
 laminated biosiliceous sediments, 127/128B(1)31:547–557
 lithostratigraphy, 127/128B(1)40:697
 magnetic properties, 127/128B(2)61:959–967, 975–978
 magnetostratigraphy, 127/128B(2)62:973–974

- mass accumulation rates, 127/128B(1)24:411–419
 methane origin, 127/128B(1)44:749–750
 microbiology, 127/128B(1)45:755–760; 46:761–776
 Mossbauer characterization of sediments, 127/
 128B(1)43:739–746
 opal content, 127/128B(1)26:443–446, 449–455
 operations, 128A4:133–136
 organic geochemistry, 127/128B(1)25:425, 435–437;
 37:656; 38:667–675
 organic matter, 127/128B(1)25:425; 38:667–675
 oxygen isotopes, 127/128B(1)26:442–443; 40:698–699
 physical properties, 127/128B(2)63:1006–1010;
 71:1127–1129, 1131–1132; 80:1275–1296
 pore gas helium isotopes, 127/128B(1)44:748–749
 pore water chemistry, 127/128B(1)4:63–74; 37:654,
 656–659
 quartz, 127/128B(1)24:411–419
 sediment composition, 127/128B(1)23:398–400, 411
 sediment geochemistry, 127/128B(1)34:610–612,
 615–617; 42:720–737; (2)65:1022–1027;
 88:1402
 sedimentary structures, 127/128B(2)75:1175–1183
 sedimentation, 127/128B(1)24:419–421; (2)77:1225
 seismic stratigraphy, 127/128B(2)72:1135–1143
 silica diagenesis, 127/128B(1)40:701
 strip sample trace elements, 127/128B(2)86:1367–
 1372
 subsidence history, 127/128B(2)76:1207–1211
 surface-water temperature fluctuations, 127/
 128B(1)27:463–465
 synthetic seismograms, 127/128B(2)72:1142
 tephrochronology, 127/128B(2)48:793–797, 800
 volcanic ash, 127/128B(1)40:699–701; (2)48:791–793;
 87:1373–1393
 well-logs, 127/128B(1)23:398–400
- Site 799
 basalt alteration, 127/128B(1)40:699–701
 biostratigraphy, 127/128B(1)2:34–35; (2)77:1224
 carbonate diagenesis, 127/128B(1)40:701–702
 chlorinity vs. depth, 186A1:31
 clay mineral authigenesis, 127/128B(1)9:139–141
 consolidation, 127/128B(2)71:1124–1127
 dark–light cycles, 127/128B(1)32:571–574
 diagenetic carbonates, 127/128B(1)6:75–98
 diagenetic mineralogy, 127/128B(1)2:35–38
 feldspar albitization, 127/128B(1)9:137
 geochemical logs, 127/128B(2)88:1399, 1403–1408
 geologic setting, 127/128B(1)25:425; 32:560
 geothermal data, 127/128B(2)81:1301–1307
 glauconite, 127/128B(1)5:63–74
 inorganic geochemistry, 127/128B(1)34:608–610;
 40:697–703; (2)79:1261–1274
 lithostratigraphy, 127/128B(1)2:33–34; 6:76–77;
 40:697
 magnetic properties, 127/128B(2)61:959–967;
 62:975–981
 magnetostratigraphy, 127/128B(2)62:974–975
 methane, 127/128B(1)44:749–750
 Mossbauer characterization of sediments, 127/
 128B(1)43:739–746
 operations, 128A5:253–255
- organic geochemistry, 127/128B(1)25:425, 427;
 35:623–633; 38:667–675
 organic matter, 127/128B(1)25:425; 38:667–675
 oxygen isotopes, 127/128B(1)40:698–699
 physical properties, 127/128B(2)63:1010–1015;
 64:1017–1019; 71:1127–1129, 1131–1132;
 80:1275–1296
 pore gas helium isotopes, 127/128B(1)44:748–749
 pore water chemistry, 127/128B(1)5:63–74; 37:654–
 657
 Rock-Eval pyrolysis, 127/128B(1)35:624–628, 632–
 633
 sandstone, 127/128B(1)7:99–113
 sediment geochemistry, 127/128B(1)34:610–612,
 618–620; 42:720–737; (2)88:1402
 sediment structures, 127/128B(1)2:38–39;
 (2)75:1175–1183
 sedimentation rates, 127/128B(2)77:1225–1227
 silica diagenesis, 127/128B(1)40:701
 subsidence history, 127/128B(2)76:1207–1211
 sulfur, 127/128B(1)35:623–624
 tephrochronology, 127/128B(2)48:793–799
 turbidite sands, 127/128B(1)7:99
 volcanic ash, 127/128B(1)40:699–701; (2)48:791–793;
 87:1373–1393
- Site 800
 apatite, 129B7:169–176
 basalt alteration, 129B27:490
 Berriasian oldest horizons, 129B10:208
 biostratigraphy, 129A2:48–52; 129B8:179–187; 9:189–
 201; 10:203–228; 13:247–264
 geochemical logs, 129B34:635
 geochemistry, 129B15:283–294; 18:345–359; 21:405–
 413; 35:653
 geochronology, 129B20:389–404
 igneous petrology, 129A2:65–68
 inorganic geochemistry, 129A2:57–60
 Jurassic, 129B32:571
 lithostratigraphy, 129A2:38–48; 129B1:5
 location map, 129B1:4; 3:82; 7:170; 10:204; 13:248;
 34:636
 Lower Cretaceous, 129B32:571
 Mesozoic–Cenozoic interval, 129B1:3–4
 mineral chemistry, 129B17:305–343
 paleolatitude, 129B28:480; 34:615–621
 paleomagnetism, 129B23:431–446; 191B8:3, 8, 26–27
 pore water, 129B14:267–281
 sample description, 129B2:34
 sedimentation, 129B2:31–79; 32:571
 sedimentology, 129A2:38–48; 129B2:3–30
 seismic stratigraphy, 129A2:75–80; 129B31:556–557
 silicification, 129B3:81
 site correlation, 129A4:191, 193; 129B1:8; 31:567
 site description, 129A2:33–89
 site geophysics, 129A2:75–80
 volcanoclastics, 129B5:137–153
See also Hole 800A
- Site 801
 background and objectives, 144A9:313–314;
 185A3:1–3
 basement, 185A3:10–14, 18–31

- Bathonian or Callovian oldest horizons, 129B10:208
 bathymetry, 185A3:65
 biostratigraphy, 129A3:113–118; 4:179–187, 189–201,
 203–228; 130B48:804; 185A3:7–9
 coring summary, 129A3:92
 correlation, 129B1:8
 downhole measurements, 129A3:144–152;
 129B34:635; 36:673; 144A9:316, 318–325;
 185A3:38–47
 elastic-wave velocities in Jurassic crust, 144B40:665–
 671
 electrical resistivity, 185B12:1–18
 geochemical reference site, 185B1:13–15
 geochemistry, 129A3:123–124; 129B19:361–388
 geochronology, 129B20:389–404
 headspace gas, 185A3:47
 high-pressure velocity, 129B28:501–506
 hydrothermal alteration, 129B22:415–427
 igneous petrology and geochemistry, 185A3:14–18
 Jurassic, 129B31:555; 32:571; 36:690; 37:699;
 144B38:641–647; 185B1:1–35
 Jurassic–Lower Cretaceous stratigraphy, 129B32:574–
 575
 lithostratigraphy, 129A3:99–113; 129B1:5; 15:285;
 185A1:40, 44, 59; 3:5–7
 location map, 129B1:4; 3:82, 93; 10:204; 13:248;
 19:362; 34:636
 Lower Cretaceous, 129B32:571
 Mesozoic–Cenozoic interval, 129B1:4
 microbiology, 185A3:47–55
 Milankovitch cycles, 129B30:529–547
 mineral chemistry, 129B17:305–343
 oceanic crust, 129B31:555; 144B39:649–663
 operations, 144A9:314, 316; 185A3:3–5
 paleolatitude, 129B26:480; 33:615–631
 paleomagnetism, 129A3:123–124; 129B4:431–446,
 455–470; 185A3:31–35
 physical properties, 129A3:124–129; 185A3:35–38
 pore water chemistry, 129B14:267–281; 185A3:47
 potassium budget by natural gamma rays, 185A3:55–
 60
 principal results, 185A1:15–20
 sample descriptions, 129B2:36
 sedimentation, 129B2:31–79; 32:571
 sedimentology, 129A3:99–113; 185A3:5–9
 sediments, 129B1:3–30
 seismic stratigraphy, 129A3:152–156; 129B31:556–
 557
 shifts, 129B32:573
 silicification, 129B3:81
 site correlation, 129B31:567
 site description, 129A3:91–170; 4:191, 193;
 144A9:313–329; 185A3:1–128
 stratigraphy, 185A1:10–11
 volcanoclastics, 129B5:137–153
 well-logging, 185A1:45
See also Emperor seamounts (Site 801); Hole 801A;
 Hole 801B; Hole 801C
- Site 802
 alteration, 129B27:490
- biostratigraphy, 129A4:195–200; 129B8:179–187;
 9:189–201; 11:221–248; 130B48:801–804
 downhole logs, 129B34:635; 130A5:157
 geochemistry, 129B15:283–294; 18:345–359; 21:405–
 413; 35:653
 geochronology, 129B20:389–404
 Jurassic oceanic crust, 129B31:553
 location map, 129A4:172; 129B3:82; 4:120; 12:230;
 34:636
 mineral chemistry, 129B17:305–343
 paleolatitude, 129B26:480; 33:615–631
 paleomagnetism, 129B23:431–454
 pore water, 129B14:267–281
 sample descriptions, 129B2:38
 sedimentation, 129B2:31–79
 seismic stratigraphy, 129B31:556–557
 silicification, 129B3:81
 site description, 129A4:171–242
 site correlation, 129A4:189, 191, 193
 stratigraphy, 129B31:565
 tuff, 129B4:119–135
 volcanic events, 129B31:565
 volcanoclastics, 129B5:137–152
See also East Mariana Basin (Site 802); Hole 802A
- Site 803
 age-depth relationships of bio- and magnetostrati-
 graphic markers, 130A10:137
 alkalis vs. silica, 192A1:39
 aluminum log, 130A10:156
 basalts, 130A5:148; 130B1:19
 biostratigraphy, 130A5:118–127, 135–136; 130B5:63–
 84; 6:85–92; 7:93–102; 9:113–136
 carbon geochemistry, 130A5:139
 carbonate content, 130A5:163
 chromium vs. titanium oxide, 192A1:48
 coring summary, 130A5:106
 Cretaceous/Tertiary boundary, 145B31:427–434
 depositional history, 130A5:115–118
 drilling “avoidance” map, 130A3:68
 drilling data, 130A10:500–504
 Gauss/Matuyama magnetic reversal boundary,
 130A5:128
 Holes 803A, 803B, 803C, and 803D correlation,
 130A5:129–131
 igneous petrology, 130A5:146–149
 incompatible element averages, 192A1:40
 inorganic geochemistry, 130A5:132–139
 lithostratigraphy, 130A5:107–118
 magnesium number vs. titanium oxide, 192A1:46
 magnetostratigraphy, 130A5:131, 134; 130B32:548–
 549
 major and trace elements, 130A5:150, 152
 neodymium isotopes vs. lead isotopes, 192A1:41
 paleomagnetism, 130A5:133–134; 130B31:531;
 191B8:4, 9, 26–27
 physical properties, 130A5:135, 139–148, 157–158,
 160–161, 163
 potassium oxide vs. loss on ignition, 130A5:153
 SeaBeam bathymetry, 130A3:67
 sedimentation, 130B3:63–84

- seismic record collected on the ROUNDABOUT
 Cruise 11, 130A5:159
- seismic stratigraphy, 130A3:48, 69–170; 5:105, 155–
 165; 10:514–518
- site comparison, 130A5:166
- site description, 130A5:101–176
- stratigraphic correlation, 130A5:161, 163;
 130B35:587–606
- synthetic seismogram, 130A5:162
- tephrochronology, 130B25:423–444
- well-logging, 130A5:149–155
- zirconium, 130A5:151; 192A1:47
- Site 804
- age vs. depth, 130A6:196, 198–199
- biostratigraphy, 130A6:187–193, 197–198;
 130B11:214–216
- carbon geochemistry, 130A6:202
- carbonate content, 130A6:185, 221
- coring summary, 130A6:182
- disrupted sediments intervals, 130A6:217
- drilling “avoidance” map, 130A3:73
- drilling data, 130A10:504
- estimated sedimentation rates, 130A6:198
- inorganic chemistry, 130A6:200–202
- lithostratigraphy, 130A6:181–187
- magnetostratigraphy, 130A6:194
- paleomagnetism, 130A6:193–196, 213; 130B31:531–
 532
- physical properties, 130A6:201–208, 210–212, 220
- pore water geochemistry, 130A6:200–201
- SeaBeam bathymetry, 130A3:71
- sediment composition, 130A6:185
- sedimentation rates, 130A6:196–200
- seismic stratigraphy, 130A3:48, 72, 74–75; 4:89–90;
 6:181, 207–215, 218; 10:514–515
- site comparison, 130A6:220
- site description, 130A6:177–222
- synthetic seismogram, 130A6:219
- tephrochronology, 130B25:423–444
- Site 805
- biostratigraphy, 130A7:232–245, 251–252;
 130B11:207–213; 29:491–508
- chemostratigraphy, 130B17:307–322
- coring summary, 130A7:228–229
- depth, 130A7:275
- drilling “avoidance” map, 130A3:63
- drilling data, 130A10:504–505
- geochemical logs, 130B48:775–788
- inorganic geochemistry, 130A7:248–254
- lithostratigraphy, 130A7:230–233
- location map, 130B17:308
- magnetostratigraphy, 130B32:549
- organic geochemistry, 130A7:254, 256
- paleoceanography, 130B24:411–421
- paleomagnetism, 130A7:245–248; 11:542, 548
- physical properties, 130A7:256–260
- Quaternary, 130B21:363–379
- SeaBeam bathymetry, 130A3:62
- sedimentation rates, 130A7:248
- seismic stratigraphy, 130A3:48, 64–66; 4:93; 7:266–
 270; 10:518–520
- site comparison, 130A7:277; 130B29:500–501
- site description, 130A7:223–290
- stratigraphic correlation, 130B35:587–606
- tephrochronology, 130B25:423–444
- well-logging, 130A7:260–266
- Site 806
- biostratigraphy, 130A8:307–316, 321–322;
 130B10:137–178; 11:198–207; 138B21:483–484;
 25:561–578, 581–583; 46:755–759
- chemostratigraphy, 130B17:307–322
- coring summary, 130A8:296–297
- drilling “avoidance” map, 130A3:54
- drilling data, 130A10:505–506
- geochemical logs, 130B46:775–788
- inorganic geochemistry, 130A8:320, 324–326
- lithostratigraphy, 130A8:297–307
- location map, 130B17:308
- magnetostratigraphy, 130B32:549
- organic geochemistry, 130A8:326
- paleoceanography, 130B21:373; 22:381–395, 397–
 409, 24:411–421
- paleoclimatology, 130B20:349–362; 37:623–639
- paleomagnetism, 130A8:316–320; 11:542–548;
 130B31:532
- physical properties, 130A8:326–329
- Quaternary, 130B30:509–523
- SeaBeam bathymetry, 130A3:53
- seismic stratigraphy, 130A3:48, 55–57; 8:335–339,
 343–347; 10:518–520
- sites correlation, 130A8:333–335
- site description, 130A8:291–367
- stratigraphic correlation, 130B35:587–406
- stylolites, 165B10:184
- tephrochronology, 130B25:423–444
- well-logging, 130A8:329–335
- Site 807
- alkalis vs. silica, 192A1:39
- biostratigraphy, 130A9:393–408; 130B5:63–84; 6:85–
 92; 7:93–102; 8:103–111
- carbon geochemistry, 130A9:419–420
- carbonates, 154B16:249
- chemobiostratigraphy, 130B16:283
- chromium vs. titanium oxide, 192A1:48
- comparison with other Ontong Java Plateau basalts,
 192A3:28–29; 4:16–17; 5:15; 6:17
- coring summary, 130A9:376–378
- Cretaceous/Tertiary boundary, 130B45:749, 751
- drilling data, 130A10:506–508
- igneous petrology, 130A9:428–429, 439
- incompatible element averages, 192A1:40
- inorganic geochemistry, 130A9:417–419
- lithologic summary, 130A9:380–381
- location map, 130B4:52
- magnesium number vs. titanium oxide, 192A1:46
- mixed sediments, 165B10:180
- neodymium isotopes vs. lead isotopes, 192A1:41
- paleomagnetism, 130A9:408–414; 11:543–548;
 130B4:51–59; 31:532–533
- physical properties, 130A9:420, 425–428
- sedimentation, 130A9:414–417; 130B5:63–84
- seismic stratigraphy, 130A4:95; 9:444, 446–448

- site comparison, 130A9:459–462
- site description, 130A9:369–493
- stable isotopes, 130B14:259–268; 192B2:12
- stratigraphic correlation, 130B35:587–606
- stylolites, 165B10:184
- tephrochronology, 130B25:423–444
- well-logging, 130A9:439–444
- zirconium vs. titanium oxide, 192A1:47
- Site 808
 - background and objectives, 196A4:4–5
 - basement age, 127/128B(1)44:749
 - bathymetry, 131A2:16; 131B12:160
 - biostratigraphy, 131A6:124
 - chronostratigraphy, 131B18:224–225
 - deformation, 131B7:83–101; 10:135–155
 - downhole measurements, 131A6:74–81, 176–185, 188–195
 - faults, 131B8:103–122
 - geochemistry, 131B31:387–396; 34:427–450
 - geophysical surveys, 131A3:21–23
 - heat flow, 131A6:202–213
 - helium isotope ratios, 127/128B(1)44:748–749
 - hydrocarbons, 131B15:185–195
 - inorganic geochemistry, 131A6:128–138
 - in situ stress, 131B23:283–291
 - lithologic units, 190A4:106
 - logging-while-drilling sonic data, 190/196B17:1–15
 - magnetic fabric, 131B25:301–310
 - magnetic intensity, 190A4:61
 - operations, 196A1:29; 4:5–12, 66
 - organic materials, 131B12:159–163; 30:379–385
 - physical properties, 131A6:159–170; 131B19:235–245; 30:536–537; 36:451–458; 196A1:10; 4:3
 - pore water, 131B31:388–390
 - rock magnetism, 131B24:293–300
 - sediments, 131B4:45–49
 - seismic stratigraphy, 131A6:201–203
 - site description, 131A6:71–269; 196A4:1–68
 - special tools, 131A5:61–67
 - stratigraphy, 131B2:17; 26:319, 329
 - structure, 131B29:365–378; 196A1:9–10; 4:2–3
 - summary, 196A1:8–11; 4:1–4
 - turbidites, 131B2:18
 - vein structures, 112B1:7
 - vertical seismic profile data, 131B32:411–422
 - volcanic ash, 131B14:175–183
- Site 809
 - coring summary, 132A3:52
 - engineering results, 132A1:20–21
 - operations, 132A1:14–18
 - site description, 132A3:43–73
- Site 810
 - biostratigraphy, 132B2:15–36
 - carbonates, 132B6:69–79
 - engineering results, 132A1:21
 - explanatory notes, 132A2:23–39
 - magnetostratigraphy, 132B4:47–55
 - operations, 132A1:15, 18–20; 5:115–137
 - paleoceanography, 132B1:3–13
 - paleomagnetism, 132B3:37–45
 - site correlation, 132B3:42–43
 - site description, 132A4:75–111
 - volcanic ash, 132B5:57–66
- Site 811
 - biostratigraphy, 133A(1)4:95–98; 133B2:20–21, 23; 47:697–698
 - carbonate sedimentation, 133B17:241–242
 - coring summary, 133A(1)4:80
 - inorganic geochemistry, 133A(1)4:101–104
 - lithostratigraphy, 133A(1)4:84–91
 - operations, 133A(1)4:76–79
 - organic geochemistry, 133A(1)4:105, 107
 - paleoceanography, 133B19:263–280
 - paleomagnetism, 133A(1)4:99–100
 - physical properties, 133A(1)4:108–109
 - position map, 133A(1)4:76
 - principal data, 133A(1)3:59–63
 - scientific objectives, 133A(1)4:75–76
 - sedimentation rates, 133A(1)4:101
 - seismic stratigraphy, 133A(1)4:111, 114
 - site description, 133A(1)4:73–134
 - See also* Sites 811/825; Site 825
- Site 812
 - algae, 133B5:67–74
 - biostratigraphy, 133A(1)5:151–153; 133B1:5–6; 4:55; 20:282; 47:698
 - carbonate sedimentation, 133B17:241
 - coring summary, 133A(1)5:141
 - inorganic geochemistry, 133A(1)5:154–155
 - lithostratigraphy, 133A(1)5:143–151
 - magnetostratigraphy, 133B40:573–614
 - organic geochemistry, 133A(1)5:155–157
 - paleobathymetry, 133B6:78, 81
 - paleomagnetism, 133A(1)5:153–154; 133B40:580–581
 - phosphatic hardgrounds, 133B36:525–534
 - physical properties, 133A(1)5:157–158
 - pore water, 133B31:474
 - principal data, 133A(1)3:63–64
 - seismic stratigraphy, 133A(1)5:165–168
 - site description, 133A(1)5:135–176
 - site geophysics, 133A(1)5:141–143
 - strontium isotope ages, 133B33:493–494
 - well-logs, 133A(1)5:158–165
- Site 813
 - algae, 133B5:67–74
 - biostratigraphy, 133A(1)6:185–187; 133B1:5–7, 4:55; 20:282–283; 47:698
 - carbonate sedimentation, 133B17:241
 - coring summary, 133A(1)6:181
 - inorganic geochemistry, 133A(1)6:188, 190–191
 - lithostratigraphy, 133A(1)6:180–185
 - magnetostratigraphy, 133B40:573–614
 - organic geochemistry, 133A(1)6:191, 193
 - paleobathymetry, 133B6:78–79, 82
 - paleomagnetism, 133A(1)6:187–188; 133B40:581
 - phosphatic hardgrounds, 133B36:525–534
 - physical properties, 133A(1)6:193–195
 - pore water, 133B31:477
 - principal data, 133A(1)3:64
 - seismic stratigraphy, 133A(1)6:195–196
 - site description, 133A(1)6:177–201
 - site geophysics, 133A(1)6:178–180

Site 814

algae, 133B5:67–74
biostratigraphy, 133A(1)7:210–213; 133B1:6–8; 4:55,
57; 20:283; 47:698–699
carbonate sedimentation, 133B17:241
coring summary, 133A(1)7:208
downhole measurements, 133A(1)7:222–226
inorganic geochemistry, 133A(1)7:215–218
lithostratigraphy, 133A(1)7:206–210
magnetostratigraphy, 133B40:573–614
organic geochemistry, 133A(1)7:218–219
paleobathymetry, 133B6:79, 83
paleomagnetism, 133A(1)7:213–215; 133B40:581
phosphatic hardgrounds, 133B36:525–534
physical properties, 133A(1)7:219–222
pore water, 133B31:477
principal data, 133A(1)3:64
seismic stratigraphy, 133A(1)7:226–228
site description, 133A(1)7:203–242
site geophysics, 133A(1)7:204–206

Site 815

bathymetry, 133B8:98
biostratigraphy, 133A(1)8:261–264; 133B1:7–13;
3:39–42; 8:97–105; 47:699
coring summary, 133A(1)8:250
downhole measurements, 133A(1)8:272–284
inorganic geochemistry, Site 815, 133A(1)8:265–268
lithostratigraphy, 133A(1)8:253–261
Neogene palynomorphs, 133B10:115–125
organic geochemistry, 133A(1)8:268–269
paleobathymetry, 133B6:79, 84
paleomagnetism, 133A(1)8:264
pore water, 133B31:477
predrilling prognosis, 133A(1)8:249
principal data, 133A(1)3:64–65
seismic stratigraphy, 133A(1)8:284–292
site description, 133A(1)8:243–299
site geophysics, 133A(1)8:249–253
slope sediments, 133B42:625–632

Site 816

biostratigraphic intercalibration, 133B47:699–700
biostratigraphy, 133A(1)9:311–313; 133B1:8–9, 14;
3:40–41, 43–45
coring summary, 133A(1)9:304
downhole measurements, 133A(1)9:321–324
inorganic geochemistry, 133A(1)9:316–317
lithostratigraphy, 133A(1)9:305–311
Miocene, 133B34:503–504
organic geochemistry, 133A(1)9:317–318
paleobathymetry, 133B6:79, 87
paleoenvironment, 133B29:455–460
paleomagnetism, 133A(1)9:313–314
physical properties, 133A(1)9:318–321
predrilling prognosis, 133A(1)9:303
principal data, 133A(1)3:65
sedimentation rates, 133A(1)9:314–316
seismic stratigraphy, 133A(1)9:324–325
site description, 133A(1)9:301–343
site geophysics, 133A(1)9:303–305
strontium isotope ages, 133B33:494

Site 817

algae, 133B5:67–74
biostratigraphy, 133A(1)10:364–368; 133B1:9, 14–15;
4:57; 47:700
carbonate sedimentation, 133B17:242
chert, 133B56:791–794
coring summary, 133A(1)10:352–353
downhole measurements, 133A(1)10:373, 375, 377–
379
inorganic geochemistry, 133A(1)10:369–370
lithostratigraphy, 133A(1)10:351–364
organic geochemistry, 133A(1)10:371
paleobathymetry, 133B6:81, 88
paleoceanography, 133B19:263–280
paleomagnetism, 133A(1)10:368
physical properties, 133A(1)10:371–373
pore water, 133B31:478; 32:481–487
predrilling prognosis, 133A(1)10:349
principal data, 133A(1)3:65–66
sea level changes, 133B16:203–233
sedimentation rates, 133A(1)10:368–369
seismic stratigraphy, 133A(1)10:380, 382–383
site description, 133A(1)10:345–416
site geophysics, 133A(1)10:350–351
slope sediments, 133B42:625–632
strontium isotope ages, 133B33:494–495

Site 818

biostratigraphy, 133A(1)11:427–428; 133B1:14–16;
47:700
carbonate sedimentation, 133B17:241
coring summary, 133A(1)11:420
inorganic geochemistry, 133A(1)11:429–433
lithostratigraphy, 133A(1)11:422–427
magnetostratigraphy, 133B40:573–614
organic geochemistry, 133A(1)11:433
paleobathymetry, 133B6:81–82, 89
paleomagnetism, 133A(1)11:428–429; 133B40:581
physical properties, 133A(1)11:433–440
pore water, 133B31:478
predrilling prognosis, 133A(1)11:419
sea level changes, 133B16:203–233
sedimentation rates, 133A(1)11:429
seismic stratigraphy, 133A(1)11:441
site description, 133A(1)11:417–449
site geophysics, 133A(1)11:419–422
site survey data distribution, 133A(1)11:419

Site 819

biostratigraphy, 133A(1)12:464–465; 133B2:21–22,
24; 14:181–188
coring summary, 133A(1)12:457
dolomite, 133B35:523
downhole measurements, 133A(1)12:473–479
inorganic geochemistry, 133A(1)12:466–469
lithofacies, 133B24:327–351
lithostratigraphy, 133A(1)12:459–463
magnetic polarity, 133B49:727
organic geochemistry, 133A(1)12:469
paleoceanography, 133B15:189–202
paleoenvironment, 133B11:129–161
paleomagnetism, 133A(1)12:465–466
physical properties, 133A(1)12:469–473

porosity, 133B41:617–623
 predrilling prognosis, 133A(1)12:456
 sedimentation rates, 133A(1)12:466
 seismic stratigraphy, 133A(1)12:479–481
 sequence stratigraphy, 133B25:353–364
 site description, 133A(1)12:451–507
 site geophysics, 133A(1)12:456–459
 track chart, 133A(1)12:454

Site 820

bathymetry, 133B7:94
 biostratigraphy, 133A(1)13:516, 518–519; 133B2:22,
 24; 7:93–95
 carbonate data, 133A(1)13:528–530
 check shot survey, 133A(1)13:558
 coring summary, 133A(1)13:512
 dolomite, 133B35:523
 downhole measurements, 133A(1)13:531–533, 535–
 537, 539–541, 558
 inorganic geochemistry, 133A(1)13:520–525
 lithofacies, 133B24:327–351
 lithostratigraphy, 133A(1)13:512–517
 organic geochemistry, 133A(1)13:525–527
 paleoceanography, 133B15:189–202
 paleomagnetism, 133A(1)13:519–520; 133B38:543–
 562; 49:726–727
 physical properties, 133A(1)13:527, 531, 538;
 133B41:617–623
 Pleistocene, 133B12:163–173
 pollen site map, 133B9:108
 pore water, 133A(1)13:523
 predrilling prognosis, 133A(1)13:511
 sedimentation, 133B22:303–313; 23:315–325
 site description, 133A(1)13:509–567
 site geophysics, 133A(1)13:511–512
 site location tracks, 133A(1)13:514
 track chart, 133A(1)13:513
 upper slope sedimentation, 133B51:758–759
 vegetation, 133B9:107–114
 water-gun seismic profiles, 133A(1)13:515
 X-ray diffraction data, 133A(1)13:526

Site 821

background and scientific objectives, 133A(1)14:570–
 571
 biostratigraphy, 133A(1)14:578–580; 133B2:22–25;
 14:181–188; 26:365–378
 coring summary, 133A(1)14:572
 dolomite, 133B35:523
 downhole measurements, 133A(1)14:588–592, 608
 inorganic geochemistry, 133A(1)14:581–585
 lithofacies, 133B24:327–351
 lithostratigraphy, 133A(1)14:573–578
 operations, 133A(1)14:571–572
 organic geochemistry, 133A(1)14:585–587
 paleoceanography, 133B15:189–202
 paleomagnetism, 133A(1)14:580–581; 133B49:726–
 727
 physical properties, 133A(1)14:587–588; 133B41:617–
 623
 predrilling prognosis, 133A(1)14:571
 seismic stratigraphy, 133A(1)12:502; 14:592
 sequence stratigraphy, 133B25:353–364

site description, 133A(1)14:569–614
 site geophysics, 133A(1)14:572–573
 site location tracks, 133A(1)14:574
 track chart, 133A(1)14:573
 water gun seismic profiles, 133A(1)14:575

Site 822

background and scientific objectives, 133A(1)15:616;
 16:681–682
 biostratigraphy, 133A(1)15:627–629; 133B2:24–27
 coring summary, 133A(1)15:618
 dolomite, 133B35:522
 downhole measurements, 133A(1)15:642–649
 generalized stratigraphic column, 133A(1)15:624
 graphic precrise prognosis, 133A(1)16:682
 inorganic geochemistry, 133A(1)15:632–639
 lithostratigraphy, 133A(1)15:619–627
 lower slope sedimentation, 133B51:757–758
 operations, 133A(1)15:616–617; 16:682–683
 organic geochemistry, 133A(1)15:639–641
 paleobathymetry, 133B6:82, 90
 paleoceanography, 133B13:175–180
 paleomagnetism, 133A(1)15:629–631; 133B49:727
 physical properties, 133A(1)15:641–642
 predrilling prognosis, 133A(1)15:617
 schematic section, 133A(1)16:681
 seismic stratigraphy, 133A(1)15:649–651
 site description, 133A(1)15:615–677
 site geophysics, 133A(1)16:683, 685
 site location tracks, 133A(1)15:620
 track chart, 133A(1)15:619
 water gun seismic profiles, 133A(1)15:621

Site 823

algae, 133B5:67–74
 basins, 133B51:756–757
 bathymetry, 133B8:98
 biostratigraphic intercalibration, 133B47:700–701
 biostratigraphy, 133A(1)16:703–705; 133B2:25, 27–
 28; 4:57; 8:97–105
 carbon, nitrogen, and sulfur concentrations,
 133A(1)16:724–725
 carbonate data, 133A(1)16:712–713
 clay mineralogy, 133B30:461–470
 coring summary, 133A(1)16:684
 downhole measurements, 133A(1)16:719–725, 748
 inorganic geochemistry, 133A(1)16:707–710
 lithostratigraphy, 133A(1)16:685–703
 Neogene palynomorphs, 133B10:115–125
 paleobathymetry, 133B6:82, 84, 91
 paleomagnetism, 133A(1)16:705–707, 730;
 133B39:563–571; 49:727, 729
 physical properties, 133A(1)16:715, 717, 726–727
 pore water, 133A(1)16:709; 133B31:478
 sedimentary structures, 133B27:408–445
 sedimentation rates, 133A(1)16:707
 seismic stratigraphy, 133A(1)16:687, 725, 729–732
 site description, 133A(1)16:679–768
 site location tracks, 133A(1)16:687
 strontium isotope ages, 133B33:495–496
 turbidites, 133B27:379–445
 vane shear strength, 133A(1)16:731
 volatile hydrocarbons, 133A(1)16:716

- X-ray diffraction and carbonate data, 133A(1)16:714–715
- Site 824
 algae, 133B5:67–74
 background and scientific objectives, 133A(1)17:770–772
 biostratigraphy, 133A(1)17:779–781; 133B2:29–31; 4:53, 55–56, 58; 20:282
 carbonate data, 133A(1)17:786
 downhole measurements, 133A(1)17:785–788
 inorganic geochemistry, 133A(1)17:781–784
 lithofacies, 133B37:535–540
 lithostratigraphy, 133A(1)17:775–779
 operations, 133A(1)17:772–774
 organic geochemistry, 133A(1)17:784–785
 paleoclimatology, 133B21:291–300
 paleomagnetism, 133A(1)17:781
 physical properties, 133A(1)17:785
 pore water, 133A(1)17:782; 133B31:478
 predrilling prognosis, 133A(1)17:772
 seismic stratigraphy, 133A(1)17:788–789
 site description, 133A(1)17:769–803
 site geophysics, 133A(1)17:773–775
 site location tracks, 133A(1)17:776
 site surveys, 133A(1)17:771
 track chart, 133A(1)17:775
- Site 825
 downhole measurements, 133A(1)4:110–111
 inorganic geochemistry, 133A(1)4:105
 lithostratigraphy, 133A(1)4:91–94
 location map, 133A(1)4:76
 operations, 133A(1)4:79–81
 organic geochemistry, 133A(1)4:107–108
 paleomagnetism, 133A(1)4:101
 physical properties, 133A(1)4:109
 principal data, 133A(1)3:59–63
 scientific objectives, 133A(1)4:75–76
 site description, 133A(1)4:73–134
See also Site 811; Sites 811/825
- Site 826
 background and scientific objectives, 133A(1)18:805–806
 biostratigraphy, 133A(1)18:809; 133B3:44, 46
 Bureau of Mineral Resources seismic line and sections, 133A(1)18:807
 lithostratigraphy, 133A(1)18:808–809
 Miocene, 133B34:504
 operations, 133A(1)18:806, 808
 seismic stratigraphy, 133A(1)18:808–810
 site description, 133A(1)18:805–810
 site surveys, 133A(1)18:806
- Site 827
 background and objectives, 134A7:96–98
 biostratigraphy, 134A7:108–110; 134B10:191–195; 12:273
 coring summary, 134A7:101
 downhole measurements, 134A7:122–123
 generalized summary, 134A7:134–137
 lithostratigraphy, 134A7:101–108
 location map, 134A7:96
 operations, 134A7:100–101
 paleomagnetism, 134A7:115, 118
 physical properties, 134A7:118–122
 plate collision, 134B5:73–88
 pore-fluid chemistry, 134A7:112
 SeaBeam bathymetry, 134A7:97
 sediment and fluid geochemistry, 134A7:110–115
 sediment mass accumulation rates, 134A7:118
 seismic stratigraphy, 134A7:98–100
 structural features summary, 134A7:115–116
 tracking map, 134A7:98
 volcanic rocks, 134B16:337–352
 water content, 134B30:535–536
See also Espiritu Santo (Site 827)
- Site 828
 background and objectives, 134A8:140–142
 bathymetric maps, 134A8:140–141
 biostratigraphy, 134A8:149–152; 134B10:186–189; 12:273–274; 13:296
 diagenesis, 134B8:112
 igneous geochemistry, 134A8:154–156
 igneous petrology, 134A8:152–154
 lithostratigraphy, 134A8:144–149
 operations, 134A8:143–144
 paleomagnetism, 134A8:158–161
 petrology, 134B17:353–362
 physical properties, 134A8:161–165
 plate collisions, 134B5:73–88
 sediment and fluid geochemistry, 134A8:156–158
 sediment mass accumulation rates, 134A8:161
 seismic stratigraphy, 134A8:142–143
 structural studies, 134A8:158
 summary and conclusions, 134A8:165–170
 trackline map, 134A8:142
 volcanic ash, 134B21:403–412
 water content, 134B30:535–536
- Site 829
 background and objectives, 134A9:181–182
 biostratigraphy, 134A9:194–198; 134B10:195–206; 12:273
 downhole measurements, 134A9:223–229; 134B32:565–576; 33:578–579; 34:591–594; 36:625–643
 igneous geochemistry, 134A9:199–202
 igneous petrology, 134A9:198–199
 lithostratigraphy, 134A9:183–194
 location map, 134A9:181
 operations, 134A9:183, 185–186
 paleomagnetism, 134A9:211, 214, 216, 218
 physical properties, 134A9:218–223
 plate collisions, 134B5:73–88
 SeaBeam bathymetry, 134A9:181
 sediment and fluid geochemistry, 134A9:202–206
 sediment mass accumulation rates, 134A9:218
 seismic stratigraphy, 134A9:182–183
 structural studies, 134A9:206, 208–211
 summary, 134A9:229–250
 trackline map, 134A9:182
 volcanic rocks, 134B16:337–352
- Site 830
 age, 134B6:89–95
 andesite volcanic basement, 134B2:26

- arc slopes, 134A1:11
- background and objectives, 134A10:262–263
- bathymetric map, 134A10:262
- biostratigraphy, 134A10:273–276; 134B10:207
- chronostratigraphy, 134B3:47–57
- collisions, 134B35:610, 612–613
- coring summary, 134A10:268
- diagenesis, 134B8:112
- downhole measurements, 134A10:286–293
- geochemical logs, 134B36:625–643
- geology, 134A2:22
- igneous geochemistry, 134A10:277–278
- igneous petrology, 134A10:276–277
- lithostratigraphy, 134A10:265–266, 268–273
- magnetostratigraphy, 134B33:577–585
- operations, 134A10:264–265
- overview, 134A2:19–31
- paleomagnetism, 134A10:281, 283–284
- pelagic carbonate, 134A11:333
- petrology, 134B16:337, 342, 344; 17:353, 356–357
- physical properties, 134A10:284–286; 134B29:518–519, 523
- pteropods, 134B15:319–334
- SeaBeam map, 134A11:319
- sediment and fluid geochemistry, 134A10:278–281
- sediment mass accumulation rates, 134A10:284
- seismic stratigraphy, 134A5:56; 10:263–267
- site description, 134A10:261–315
- structural studies, 134A10:281
- summary and conclusions, 134A10:293–295
- tectonics, 134B2:23–24, 28–30, 39
- trackline map, 134A10:263
- volcanic ash, 134B21:403–412
- volcanic rocks, 134B16:337–352
- water content, 134B30:536
- Site 831
 - background and objectives, 134A11:318–320
 - bathymetric map, 134A11:319
 - biostratigraphy, 134A11:333–336; 134B10:189–190
 - chronostratigraphy, 134B3:47–57; 6:89–95
 - diagenesis, 134B8:112
 - downhole measurements, 134A11:351–354; 134B32:565–576; 33:579; 36:625–643
 - igneous geochemistry, 134A11:341–343
 - igneous petrology, 134A11:336–341
 - lithostratigraphy, 134A11:325–333
 - operations, 134A11:322, 324–325
 - paleomagnetism, 134A11:344–346
 - petrology, 134B18:363–373
 - physical properties, 134A11:347, 349–350
 - sediment and fluid geochemistry, 134A11:343–344
 - sediment mass accumulation rates, 134A11:346–347
 - seismic stratigraphy, 134A11:320–322
 - summary and conclusions, 134A11:354–361
 - trackline map, 134A11:320
 - volcanic ash, 134B21:403–412
- Site 832
 - background and objectives, 134A12:388, 390–393
 - bathymetric map, 134A12:389
 - biostratigraphy, 134A12:409–412; 134B10:207–218; 11:247–263; 12:275; 13:296
 - coring summary, 134A12:398–399
 - diagenesis, 134B8:112, 114–116, 119–120
 - downhole measurements, 134A12:431–433, 435; 134B34:594–596
 - igneous geochemistry, 134A12:414–416
 - igneous petrology, 134A12:412–414
 - lithostratigraphy, 134A12:400–409
 - magmas, 134B19:383–401
 - magnetostratigraphy, 134B26:461–464
 - operations, 134A12:394, 399–400
 - paleomagnetism, 134A12:420–424
 - petrology, 134B19:375–392
 - physical properties, 134A12:425, 427, 430–431
 - sediment and fluid geochemistry, 134A12:416–419
 - sediment mass accumulation rates, 134A12:424–425
 - sedimentary record, 134B7:101–103
 - seismic stratigraphy, 134A12:393–394
 - structural studies, 134A12:419–420; 134B24:433–436
 - summary and conclusions, 134A12:435–438
 - trackline map, 134A12:393
 - volcanic ash, 134B21:403–412
 - volcaniclastics, 134B9:131–176
- Site 833
 - background and objectives, 134A13:480, 482
 - bathymetric maps, 134A13:481
 - biostratigraphy, 134A13:499–500; 134B10:218–219
 - coring summary, 134A13:488–489
 - diagenesis, 134B8:112, 114–116, 119–120
 - downhole measurements, 134A13:518–520, 524–526; 134B34:596–597, 625–643
 - igneous geochemistry, 134A13:502–504
 - igneous petrology, 134A13:500–502
 - lithostratigraphy, 134A13:490–498
 - magmas, 134B19:383–401
 - magnetostratigraphy, 134B26:464–465
 - operations, 134A13:487, 489–490
 - paleomagnetism, 134A13:509, 511, 514; 134B28:494–495
 - petrology, 134B19:375–392
 - physical properties, 134A13:515–518; 134B31:555
 - sediment and fluid geochemistry, 134A13:505–508
 - sediment mass accumulation rates, 134A13:514
 - sedimentary record, 134B7:103–104
 - seismic stratigraphy, 134A13:482–487
 - structural analysis, 134A13:508–509; 134B24:436–439
 - summary and conclusions, 134A13:526–527, 529–530
 - trackline map, 134A13:483
 - volcanic ash, 134B21:403–412
 - volcaniclastics, 134B9:131–176
- Site 834
 - background and objectives, 135A(1)4:89–96
 - bacteria, 135B9:147–150
 - basalts, 135B26:471–485
 - bathymetry, 135A(1)4:90–91
 - biostratigraphy, 135A(1)4:112–116; 135B13:193–194; 14:209–210
 - chrome spinel, 135B33:569
 - coring summary, 135A(1)4:100–101
 - downhole measurements, 135A(1)4:159–170; 135B59:935
 - drilling and logging summary, 135A(1)4:97–98

- geologic setting, 135A(1)4:91–93
 - heat flow, 135A(1)4:95–96
 - hydrogeochemistry, 135B42:678–679
 - igneous petrology, 135A(1)4:129, 131–150
 - inorganic geochemistry, 135A(1)4:126–128
 - lithostratigraphy, 135A(1)4:98–99, 101–109
 - morphotectonics, 135A(1)4:92–93
 - operations, 135A(1)4:97–98
 - organic geochemistry, 135A(1)4:128–129
 - paleomagnetism, 135A(1)4:95, 116–126
 - petrology, 135B25:430–433; 27:487–503
 - physical properties, 135A(1)4:150–159
 - plagioclase zoning, 135B31:543–556
 - regional structural synthesis, 135A(1)4:93
 - scientific objectives, 135A(1)4:96–97
 - sediment mass accumulation rates, 135A(1)4:116
 - seismic stratigraphy, 135A(1)4:93–95; 135B21:333–334; 56:912
 - site approach and site survey, 135A(1)4:97
 - site description, 135A(1)4:85–180
 - spinels, 135B34:585–594
 - structural geology, 135A(1)4:109–112
 - summary, 135A(1)4:86–88
 - tectonics, 135B2:11–12
 - track charts, 135A(1)4:92
 - turbidites, 135B7:101–130
- Site 835
- background and objectives, 135A(1)5:183–187
 - bathymetry, 135A(1)5:184
 - biostratigraphy, 135A(1)5:203–207; 135B13:194–195; 14:210
 - depositional history, 135A(1)5:200–201
 - downhole measurements, 135A(1)5:230–242
 - drilling and logging summary, 135A(1)5:189–190
 - geologic setting, 135A(1)5:185–186
 - hydrogeochemistry, 135B42:679, 681
 - igneous petrology, 135A(1)5:219–224
 - inorganic geochemistry, 135A(1)5:213–216
 - lithostratigraphy, 135A(1)5:190–201
 - magnetic data, 135A(1)5:186–187
 - morphotectonics, 135A(1)5:185
 - operations, 135A(1)5:187–189
 - organic geochemistry, 135A(1)5:216, 218–219
 - paleomagnetism, 135A(1)5:207–213
 - petrology, 135B25:433–435
 - physical properties, 135A(1)5:224–230
 - scientific objectives, 135A(1)5:187
 - sediment mass accumulation rates, 135A(1)5:207
 - seismic data, 135A(1)5:188–189
 - seismic profiles, 135B21:335
 - seismic reflection, 135B56:912–913
 - seismic stratigraphy, 135A(1)5:186
 - site approach and site survey, 135A(1)5:187, 189
 - site description, 135A(1)5:181–245
 - site summary, 135A(1)5:182–183
 - structural geology, 135A(1)5:201–203
 - tectonics, 135B2:12–14
 - track chart, 135A(1)5:186
 - turbidites, 135B7:101–130
- Site 836
- background and objectives, 135A(1)6:249–252
 - biostratigraphy, 135A(1)6:260–261; 135B13:195; 14:210–211
 - chrome spinel, 135B33:569–570
 - geologic setting, 135A(1)6:251–252
 - hydrogeochemistry, 135B42:682
 - igneous petrology, 135A(1)6:266–274
 - inorganic geochemistry, 135A(1)6:265–266
 - lithostratigraphy, 135A(1)6:255–260
 - location and bathymetry, 135A(1)6:249–251
 - operations, 135A(1)6:252–255
 - organic geochemistry, 135A(1)6:266
 - paleomagnetism, 135A(1)6:262–265
 - petrology, 135B25:435–436; 27:487–503
 - physical properties, 135A(1)6:274–276
 - sediment mass accumulation rates, 135A(1)6:261–262
 - seismic stratigraphy, 135A(1)6:252; 135B21:335–336, 913
 - site description, 135A(1)6:247–287
 - site summary, 135A(1)6:248
 - structural geology, 135A(1)6:260
 - structural regional synthesis, 135A(1)6:251
 - tectonics, 135B2:15
 - track charts, 135A(1)6:253
- Site 837
- background and objectives, 135A(1)7:291, 293
 - bathymetry, 135A(1)7:292–293
 - biostratigraphy, 135A(1)7:306–308; 135B13:195–196; 14:211
 - hydrogeochemistry, 135B42:682
 - igneous petrology, 135A(1)7:318–324
 - inorganic geochemistry, 135A(1)7:316–318
 - lithostratigraphy, 135A(1)7:295–305
 - operations, 135A(1)7:293–295, 297
 - organic geochemistry, 135A(1)7:318
 - paleomagnetism, 135A(1)7:309–316
 - petrology, 135B25:436–441
 - physical properties, 135A(1)7:324–329
 - sediment mass accumulation rates, 135A(1)7:308
 - seismic profiles, 135B21:336
 - seismic reflection, 135B56:913
 - site description, 135A(1)7:289–335
 - site summary, 135A(1)7:290
 - structural geology, 135A(1)7:305–306
 - tectonics, 135B2:15
 - track chart, 135A(1)7:293
- Site 838
- background and objectives, 135A(1)8:339–342
 - bathymetry, 135A(1)8:340–341
 - biostratigraphy, 135A(1)8:360–361; 135B13:196–197; 14:211–212
 - downhole measurements, 135A(1)8:379–388; 135B59:935
 - geologic setting, 135A(1)8:341
 - hydrogeochemistry, 135B42:682
 - igneous petrology, 135A(1)8:368–371
 - inorganic geochemistry, 135A(1)8:365–367
 - lithostratigraphy, 135A(1)8:346–357
 - operations, 135A(1)8:342–343, 346
 - organic geochemistry, 135A(1)8:367–368
 - paleomagnetism, 135A(1)8:363–365
 - petrology, 135B25:436–441

physical properties, 135A(1)8:371–378
sediment mass accumulation rates, 135A(1)8:360,
362–363
seismic profiles, 135B21:339
seismic stratigraphy, 135A(1)8:341–342; 135B56:915–
916
site description, 135A(1)8:337–395
site summary, 135A(1)8:338–339
structural geology, 135A(1)8:357–360
tectonics, 135B2:15–16
track charts, 135A(1)8:342

Site 839

background and objectives, 135A(1)9:401–403
basaltic andesites, 135B32:557–563
biostratigraphy, 135A(1)9:419–422; 135B13:197–199;
14:212
chrome spinel, 135B33:570–573
downhole measurements, 135A(1)9:462–465;
135B59:935, 937
geochemistry, 135B29:519–539
geologic setting, 135A(1)9:401
hydrogeochemistry, 135B42:682, 685
igneous petrology, 135A(1)9:433–448
inorganic geochemistry, 135A(1)9:428–431
lithostratigraphy, 135A(1)9:410–418
location and bathymetry, 135A(1)9:401–403
operations, 135A(1)9:403, 407–410
organic geochemistry, 135A(1)9:431–433
paleomagnetism, 135A(1)9:422–428
petrology, 135B25:436–441; 27:487–503
physical properties, 135A(1)9:448–462
plagioclase zoning, 135B31:543–556
sediment mass accumulation rates, 135A(1)9:422
seismic stratigraphy, 135A(1)9:401, 403; 135B21:339,
341
site description, 135A(1)9:397–487
site summary, 135A(1)9:398–400
spinel, 135B34:585–594
structural regional synthesis, 135A(1)9:401
structural geology, 135A(1)9:418–419
tectonics, 135B2:16–17
track charts, 135A(1)9:404

Site 840

background and objectives, 135A(1)10:490–491, 495–
498
bathymetry, 135A(1)10:496
biostratigraphy, 135A(1)10:523–526; 135B14:212–
213; 17:267–284
coring summary, 135A(1)10:502–503
downhole measurements, 135A(1)10:549–557
geochemical logs comparison to cores, 135B59:937
geologic setting, 135A(1)10:495, 497
hydrocarbon potential, 135A(1)10:491
inorganic geochemistry, 135A(1)10:534–537
lithostratigraphy, 135A(1)1:20–21; 10:500–520
Miocene, 135B6:87–100
operations, 135A(1)10:499–500
organic geochemistry, 135A(1)10:537–538
paleomagnetism, 135A(1)10:526, 530–534;
135B47:763–783
physical properties, 135A(1)10:538–549

rifting, 135B22:367–371
sediment mass accumulation rates, 135A(1)10:526
sedimentation, 135B11:163–172; 53:843–855
seismic profiles, 135B21:341, 343
seismic reflection, 135B56:917
seismic stratigraphy, 135A(1)10:497–498
site description, 135A(1)10:489–570
site summary, 135A(1)10:492–495
structural geology, 135A(1)10:520–523
tectonics, 135B12:175
track charts, 135A(1)10:498

Site 841

background and objectives, 135A(1)11:577–583
bathymetry, 135A(1)11:577–579
biostratigraphy, 135A(1)11:602–614; 135B14:213,
215; 15:231–243; 16:245–284
downhole measurements, 135A(1)11:655–660
felsic rocks, 135B40:653–663
geologic setting, 135A(1)11:579, 581–582
igneous petrology, 135A(1)11:628, 630–650; 625–646
inorganic geochemistry, 135A(1)11:621–625
lithostratigraphy, 135A(1)1:21; 11:585–598
operations, 135A(1)11:583–585
organic geochemistry, 135A(1)11:625–628
paleomagnetism, 135A(1)11:615–621; 135B47:763–
783
physical properties, 135A(1)11:650–655
plagioclase zoning, 135B31:543–556
rhyolites, 135B57:923
sediment mass accumulation rates, 135A(1)11:614
sedimentation, 135B53:843–855
seismic stratigraphy, 135A(1)11:579; 135B21:343,
345–346; 56:917
side-scan sonar surveys, 135B23:373–382
site description, 135A(1)11:571–677
site summary, 135A(1)11:572–577
structural geology, 135A(1)11:598–602
tectonics, 135B12:175–178; 20:313–329
thaumasite, 135B39:647–651
track charts, 135A(1)11:579

Site 842

biostratigraphy, 136A4:41–42; 136B1:5
coring summary, 136A4:39
inorganic geochemistry, 136A4:46–48, 55–56
lithostratigraphy, 136A4:39–41
operations, 136A4:38–39
paleomagnetism, 136A4:42–46
physical properties, 136A4:56–59
site description, 136A4:37–63
site survey, 136A3:27–34
volcanic sand, 136B4:53–63

Site 843

biostratigraphy, 136A5:68; 136B1:6
coring summary, 136A5:66
crust, 136B10:119–132
geochemical logs, 136B13:153–157
igneous petrology, 136A5:76–82
inorganic geochemistry, 136A5:69–70
lithostratigraphy, 136A5:67–68
operations, 136A5:66–67
paleomagnetism, 136A5:68–69

physical properties, 136A5:71, 74–76
rock magnetism, 136B12:147–149
site description, 136A5:65–99
site surveys, 136A3:27–34
well-logging, 136A5:82–88

Site 844

age models, 138B6:75
biostratigraphy, 138A(1)9:131–142; 138B7:106–111;
8:131–134; 11:195; 12:250–251; 21:486, 490–
491; 31:657
downhole measurements, 138A(1)9:121–122, 159–
162
geochemical logs, 138B44:860
inorganic geochemistry, 138A(1)9:147–148
lithofacies, 138B29:629–630
lithostratigraphy, 138A(1)9:122–131
operations, 138A(1)9:120–122, 125
organic geochemistry, 138A(1)9:148–153
paleomagnetism, 138A(1)9:142–145; 138B5:70
physical properties, 138A(1)9:153–159
SeaBeam map, 138A(1)9:123
sedimentation rates, 138A(1)9:145–147
seismic stratigraphy, 138A(1)9:124, 162–163
site description, 138A(1)9:119–188
stratigraphic summary, 138A(1)9:140–141
summary and conclusions, 138A(1)9:163–167
tectonic setting and basement ages, 138A(1)9:122
See also Guatemala Basin (Site 844)

Site 845

age models, 138B6:75
background and scientific results, 138A(1)10:190
biostratigraphy, 138A(1)10:208–216; 138B7:111–112;
11:195; 12:251; 21:484–485, 492–493, 497
core orientation corrections, 138A(1)10:217
depths of cores, 138A(1)10:229
downhole measurements, 138A(1)10:232–236
geochemical logs, 138B44:860–867
inorganic geochemistry, 138A(1)10:220–228
lithofacies, 138B29:630
lithostratigraphy, 138A(1)10:191–208
magnetostratigraphy, 138A(1)10:226–228; 138B5:59–
66
operations, 138A(1)10:190–191
organic geochemistry, 138A(1)10:228–230
paleoclimatology, 145B15:231–245
paleomagnetism, 138A(1)10:216
physical properties, 138A(1)10:230–232
SeaBeam map, 138A(1)10:193
sedimentation rates, 138A(1)10:216–217, 220
seismic lines, 138A(1)10:194
seismic stratigraphy, 138A(1)10:236–240
site description, 138A(1)10:189–263
summary and conclusions, 138A(1)10:240–245
tectonic setting, 138A(1)10:192
well-logging operations, 138A(1)10:196

Site 846

age models, 138B6:76
background and scientific objectives, 138A(1)11:267
biostratigraphy, 138A(1)11:285–293; 138B7:112–113;
11:195; 12:251; 33:675–693

calcium carbonate stratigraphy, 138B2:25–29;
165B17:265
coarse fraction data, 138B15:338
comparison with Site 882, 145B21:322–323
correlation of magnetic susceptibility and calcium
carbonate in pelagic carbonates, 165A8:384
depths of cores, 138A(1)11:295
downhole measurements, 138A(1)11:307–311
geochemical logs, 138B44:864–865
inorganic geochemistry, 138A(1)11:295, 297–300
lithofacies, 138B29:633
lithostratigraphy, 138A(1)11:268–285
mass accumulation rate control points,
138A(1)11:295
operations, 138A(1)11:266–268
organic geochemistry, 138A(1)11:300–304
paleoclimatology, 145B15:231–245
paleomagnetism, 138A(1)11:293
physical properties, 138A(1)11:304–307; 201A7:30–31
SeaBeam map, 138A(1)11:270
sea-surface temperature, 138B27:605–613
sedimentation rates, 138A(1)11:293–295
seismic stratigraphy, 138A(1)11:311–313
Site 882 comparison, 145B21:322–323
site description, 138A(1)11:265–333
smear slide data, 138A(1)11:275
stable isotope stratigraphy, 138B15:337–355; 43:839–
854
sulfate and methane vs. depth, 198A4:62
tectonic setting and basement ages, 138A(1)11:269
total organic and inorganic carbon, 201B8:3
well-logging operations, 138A(1)11:271; 201A7:35–
36, 77

Site 847

age models, 138B6:76
background and scientific objectives, 138A(1)12:336
biogenic sedimentation, 138B19:429–459
biostratigraphy, 138A(1)12:346–352; 138B7:113–114;
8:134; 11:195, 198–199; 12:251, 254–255;
34:695–714
depths of cores, 138A(1)12:356
downhole measurements, 138A(1)12:362–370
foraminifer stable isotope record, 138B13:312–319
geochemical logs, 138B44:865
inorganic geochemistry, 138A(1)12:353–357
lithofacies, 138B29:633
lithostratigraphy, 138A(1)12:338–345
operations, 138A(1)12:336–338
organic geochemistry, 138A(1)12:357–359
oxygen isotopes, 138B13:296–300
paleomagnetism, 138A(1)12:352–353
physical properties, 138A(1)12:359–362
SeaBeam map, 138A(1)12:339
sedimentation rates, 138A(1)12:353
seismic stratigraphy, 138A(1)12:370–372
site description, 138A(1)12:335–393
tectonic setting and basement ages, 138A(1)12:338
well-logging data, 138A(1)12:372

Site 848

age models, 138B6:77
background and objectives, 138A(2)13:678

- biostratigraphy, 138A(2)13:685–688, 690–692;
 138B7:114–115; 8:134–135; 11:199; 12:261;
 21:486, 494
- carbonate mass accumulation rates, 165B17:250
- downhole measurements, 138A(2)13:705, 709–711
- geochemical logs, 138B44:865
- inorganic geochemistry, 138A(2)13:698–701, 703
- lithofacies, 138B29:630
- lithostratigraphy, 138A(2)13:680–685
- operations, 138A(2)13:678–681
- organic geochemistry, 138A(2)13:703–704
- paleomagnetism, 138A(2)13:692–695
- physical properties, 138A(2)13:704–705
- sedimentation rates, 138A(2)13:695, 698
- seismic stratigraphy, 138A(2)13:711–712
- site description, 138A(2)13:677–734
- summary and conclusions, 138A(2)13:712–714
- Site 849
- age models, 138B6:77
- background and objectives, 138A(2)14:736
- biostratigraphy, 138A(2)14:744–745, 748; 138B4:92;
 7:115–116; 8:135; 9:164; 11:199; 12:261–264;
 17:371–412
- carbonate mass accumulation rates, 165B17:250
- carbon isotopes, 177B(synthesis):42; 181B10:6
- composite depth sections, 138B3:32, 35
- downhole measurements, 138A(2)14:756–757, 760–
 762
- geochemical logs, 138B44:865–869
- inorganic geochemistry, 138A(2)14:749, 752
- lithofacies, 138B29:631–633
- lithostratigraphy, 138A(2)14:740–741, 743–744
- operations, 138A(2)14:736–738, 740–742
- organic geochemistry, 138A(2)14:752–754
- oxygen isotopes, 160B14:186; 177B(synthesis):41;
 184B15:16
- paleomagnetism, 138A(2)14:748
- physical properties, 138A(2)14:754, 756
- sedimentation rates, 138A(2)14:748–749
- seismic stratigraphy, 138A(2)14:762–763
- site description, 138A(2)14:735–807
- sulfate and methane vs. depth, 198A4:62
- summary and conclusions, 138A(2)14:763–766
- well-logging, 138A(2)14:742, 756–757, 760–762
- Site 850
- age models, 138B6:78
- background and scientific objectives, 138A(2)15:810
- biostratigraphy, 138A(2)15:817, 820–822, 825;
 138B7:116–117; 8:135; 11:199; 12:264–265, 268
- carbonate mass accumulation rates, 165B17:250
- downhole measurements, 138A(2)15:844, 846–848;
 138B44:867
- inorganic geochemistry, 138A(2)15:830–831, 833–
 834, 836–843
- lithofacies, 138B29:631–633
- lithostratigraphy, 138A(2)15:811–817
- operations, 138A(2)15:810–811, 815
- organic geochemistry, 138A(2)15:843
- paleomagnetism, 138A(2)15:825–826, 830
- physical properties, 138A(2)15:843–844
- sedimentation rates, 138A(2)15:830
- seismic stratigraphy, 138A(2)15:848–849
- site description, 138A(2)15:809–889
- summary and conclusions, 138A(2)15:849–851
- Site 851
- age models, 138B6:79
- background and scientific objectives, 138A(2)16:892
- bacteria, 138B26:599–604
- biostratigraphy, 138A(2)16:903, 906–907, 909;
 138B12:268
- carbon and oxygen isotopes, 202B12:45–46
- carbonate mass accumulation rates, 165B17:250
- composite depth sections, 138B3:32
- coring summary, 138A(2)16:898–899
- diatoms, 138B7:117
- downhole measurements, 138A(2)16:926, 928–930
- geochemical logs, 138B44:867
- inorganic geochemistry, 138A(2)16:917, 919–921
- lithofacies, 138B29:631–633
- lithostratigraphy, 138A(2)16:895–897, 899–903
- magnetic susceptibility, 201A6:56
- ocean circulation, 138B22:503–514
- operations, 138A(2)16:892–895
- organic geochemistry, 138A(2)16:921–922
- paleomagnetism, 138A(2)16:909, 912–913
- physical properties, 138A(2)16:922–924, 926
- radiolarians, 138B11:199
- sedimentation rates, 138A(2)16:913, 916–917
- seismic stratigraphy, 138A(2)16:930–931
- silicoflagellates, 138B8:135, 138
- site description, 138A(2)16:891–965
- summary and conclusions, 138A(2)16:931–933
- total organic and inorganic carbon, 201B8:3
- well-logging, 201A6:72
- Site 852
- age models, 138B6:80
- background and scientific objectives, 138A(2)17:968
- biostratigraphy, 138A(2)17:980–985; 138B7:118;
 8:138–139; 9:164; 11:202; 12:268–269
- carbonate mass accumulation rates, 165B17:250
- composite depth sections, 138B3:34, 39
- downhole measurements, 138A(2)17:999–1002;
 138B44:869
- inorganic geochemistry, 138A(2)17:990–992, 994, 996
- lithofacies, 138B29:633
- lithostratigraphy, 138A(2)17:970–972, 974–975, 980
- operations, 138A(2)17:968–970, 973
- organic geochemistry, 138A(2)17:996–997
- paleomagnetism, 138A(2)17:986–987
- physical properties, 138A(2)17:997–999
- sedimentation rates, 138A(2)17:987, 990
- seismic stratigraphy, 138A(2)17:1002–1003, 1005
- site description, 138A(2)17:967–1021
- summary and conclusions, 138A(2)17:1005, 1007–
 1008
- well-logging, 138A(2)17:969–970
- Site 853
- age models, 138B6:80
- background and objectives, 138A(2)18:1024
- biostratigraphy, 138A(2)18:1029–1032; 138B4:92;
 11:202–203; 12:269; 21:486, 496
- inorganic geochemistry, 138A(2)18:1036–1037, 1042

- lithofacies, 138B29:633
- lithostratigraphy, 138A(2)18:1026–1029
- operations, 138A(2)18:1024–1025, 1029
- organic geochemistry, 138A(2)18:1042
- paleomagnetism, 138A(2)18:1032, 1034–1035
- physical properties, 138A(2)18:1042, 1044–1045
- sedimentation rates, 138A(2)18:1035–1036
- seismic stratigraphy, 138A(2)18:1045–1046
- site description, 138A(2)18:1023–1061
- summary and conclusions, 138A(2)18:1046–1047
- Site 854
 - age models, 138B6:80
 - background and scientific objectives, 138A(2)19:1064
 - biostratigraphy, 138A(2)19:1068–1071
 - coring, 138A(2)19:1069
 - inorganic geochemistry, 138A(2)19:1081–1083
 - lithostratigraphy, 138A(2)19:1064–1068
 - manganese nodules, 138B40:807–811
 - operations, 138A(2)19:1064
 - organic geochemistry, 138A(2)19:1083
 - paleomagnetism, 138A(2)19:1073–1079
 - physical properties, 138A(2)19:1083–1085
 - radiolarians, 138B11:203
 - sedimentation rates, 138A(2)19:1079, 1081
 - silicoflagellates, 138B8:139
 - site description, 138A(2)19:1063–1092
 - site surveys, 138A(1)7:93–100
 - summary and conclusions, 138A(2)19:1085–1086, 1088–1090
- Site 855
 - alkenones, 139B26:480
 - background and objectives, 139A5:103
 - biostratigraphy, 139A5:110, 113; 139B5:61–63
 - diagenesis, 139B16:345
 - fluid geochemistry, 139A5:114–118, 120–121
 - fluid recharge, 139B44:698–700
 - geochemistry, 139B47:739
 - heat flow, 139A5:144–145
 - hydrothermal alteration, 139B10:161–162
 - igneous rocks, 139A5:130, 132, 135–139; 139B6:81–84
 - lipid/bitumen ratio, 139B2:44
 - lithostratigraphy and sedimentology, 139A5:109–110
 - operations, 139A5:105, 107–109
 - organic geochemistry, 139A5:121, 124–128
 - paleomagnetism, 139A5:113–114
 - physical properties, 139A5:140, 142–144
 - sediment geochemistry and alteration, 139A5:128–129
 - seismic structure, 139B1:3–17
 - site geophysics and geology, 139A5:103–104
 - summary and conclusions, 139A5:145–149
 - thermal evolution, 139B28:497–498
- Site 856
 - alkenones, 139B26:481
 - alteration, 139A6:203–212
 - background and objectives, 139A6:163–164
 - biostratigraphy, 139A6:180–183; 139B2:39–58; 15:331–333
 - depth of Stage 5e interglacial zone, 169A4:170
 - diagenesis, 139B16:346
 - fluid inclusions, 139B21:411–412
 - geochemistry, 139A6:188, 191–197, 203–212; 139B11:210–211, 739–743
 - geochronology, 169B4:1–15
 - heat flow, 139A6:255–258
 - hydrothermal alteration, 139B8:117–118; 9:134; 10:157
 - hydrothermal discharge, 139B12:294–295
 - igneous rocks, 139A6:232–238; 139B6:84–86
 - lipid/bitumen ratio, 139B24:449–450, 452–453
 - lithostratigraphy, 139A6:173–174, 176–180; 169A3:46
 - massive sulfides, 139B17:358, 377–378; 45:721–724
 - nodules, 139B15:331–333
 - operations, 139A6:165–173
 - ore deposition, 139B43:679–693
 - organic geochemistry, 139A6:197–203
 - paleomagnetism, 139A6:183, 185–188
 - physical properties, 139A6:238–247; 169B7:1–19
 - pore water, 169A3:112
 - relic discharge and massive sulfides, 139B44:708
 - sedimentology, 139A6:173–174, 176–180
 - seismic structure, 139B1:3–17
 - site geophysics and geology, 139A6:164–165
 - Stage 5e interglacial zone depth, 169A4:170
 - structural data, 169A3:102–103, 106
 - sulfides, 139A6:212–231; 169B5:1–34
 - summary of hole depths and locations, 139A6:163
 - thermal evolution, 139B28:499–500
 - vein networks, 169B9:1–25
 - well-logging, 139A6:247–255
- Site 857
 - alkenones, 139B26:482
 - background and objectives, 139A7:285
 - bacteria, 139B29:511
 - biostratigraphy, 139A7:300–305; 139B2:39–58; 5:64
 - correlation, 139B37:589–590
 - diagenesis, 139B16:346–347
 - downhole measurements, 139A7:369–375; 139B36:579–580
 - fluid inclusions, 139B21:412
 - formation pressure, 139B41:649–666
 - geochemistry, 139A7:313–318; 139B11:212–217; 48:744–745
 - heat flow, 139A7:368–369
 - hydrothermal alteration, 139B8:118–121, 134; 10:161
 - hydrothermal reservoirs, 139B12:295–298
 - hydrothermal sealed basement, 139B44:700–704
 - igneous rocks, 139A7:330–348; 139B6:86–97; 36:573–583
 - lipid/bitumen ratio, 139B24:453
 - lithostratigraphy, 139A7:297–300
 - nodules, 139B15:333–334
 - operations, 139A7:286–297; 146A(1)4:51
 - organic geochemistry, 139A7:319–326
 - paleomagnetism, 139A7:305–313
 - permeability, 139B39:617–619
 - physical properties, 139A7:348–359
 - porosity, 139B32:546
 - sediment alteration, 139A7:326–330
 - sediment geochemistry, 139A7:326–330
 - sedimentology, 139A7:297–300

- seismic structure, 139B1:3–17
- site geophysics, 139A7:285–287
- Stage 5e interglacial zone depth, 169A4:170
- summary and conclusions, 139A7:375–383
- temperature, 169A4:195–196
- thermal evolution, 139B28:500–502
- volatile gases, 169A4:175, 178
- well-logging, 139A7:359–368; 169A4:193–195
- Site 858
 - active discharge, 139B44:704–708
 - active hydrothermal fields, 139B12:298–302
 - alkenones, 139B26:482
 - alteration, 139A7:493–502
 - background and objectives, 139A7:434
 - bacteria, 139B29:511–512, 514
 - bacterial profiles, 169B2:1–18
 - biostratigraphy, 139A7:457–459
 - bitumens, 169A4:178
 - correlation, 139B37:590–592
 - diagenesis, 139B16:347–348
 - downhole temperature, 139B36:580–581
 - fluid geochemistry, 139A7:471–479
 - fluid inclusions, 139B21:412–413
 - formation pressure, 139B29:649–666
 - geochemistry, 139A7:471–513; 139B11:210–212;
48:745–748
 - heat flow, 139A7:528–532
 - hydrothermal alteration, 139B8:121–126; 9:134;
10:157–161
 - igneous basement, 139B36:573–583
 - igneous petrology, 139A7:507–513
 - igneous rocks, 139B6:97–99
 - inorganic geochemistry, 169A4:169, 171
 - lipid/bitumen ratio, 139B24:453–454
 - lithostratigraphy, 139A7:446–457
 - massive sulfides, 139B18:378
 - nannofossils, 139B5:64
 - nodules, 139B15:334–335
 - operations, 139A7:436–446
 - organic geochemistry, 139A8:479–493
 - paleomagnetism, 139A8:459, 465, 467–470
 - permeability, 139B39:619–620
 - physical properties, 139A7:513–523
 - sediment geochemistry, 139A7:493–502
 - sedimentology, 139A7:446–457
 - seismic structure, 139B1:3–17
 - site geophysics and geology, 139A7:434–436
 - special downhole experiments, 139A7:523–536
 - summary and conclusions, 139A7:536–543
 - temperature, 169A4:195
 - thermal evolution, 139B28:502–503
 - volatile gases, 169A4:178
 - well-logging, 139A7:523–528; 169A4:192
- Site 859
 - background and objectives, 141A6:76
 - biostratigraphy, 141A6:88–92; 141B14:195–196
 - bottom-simulating reflectors, 146B(1)10:185
 - coring, 141A6:79
 - geochemical logs, 141B36:430
 - grain size, 141B6:85–87
 - hydrocarbons, 141B22:287–297
 - inorganic geochemistry, 141A6:114–118
 - lithostratigraphy, 141A6:81–88
 - master chart, 141A6:140–146
 - operations, 141A6:76, 79–81
 - organic geochemistry, 141A6:110–114
 - paleomagnetism, 141A6:92–94
 - physical properties, 141A6:118–119, 121–126
 - rock magnetism, 141B5:69–70
 - sediments, 141B7:96–98
 - site description, 141A6:75–157
 - structural geology, 141A6:94–95, 97–109
 - summary and objectives, 141A6:139, 142–143, 147
 - thermal overprinting, 141B5:74
 - water sampler–temperature–pressure tool (WSTP)–
ADARA temperature measurements,
141A6:126–134
 - well-logging, 141A6:134–139
 - wireline-logging, 141A6:134–139
- Site 860
 - background and objectives, 141A7:160
 - biostratigraphy, 141A7:173–181; 141B14:196–197
 - coring, 141A7:162
 - deformation bands, 141B2:13–26
 - fluoride, 204B16:7
 - grain size, 141B6:87
 - inorganic geochemistry, 141A7:208–211
 - lithostratigraphy, 141A7:163–173
 - master chart, 141A7:231–237
 - operations, 141A7:160–161, 163
 - organic geochemistry, 141A7:202–203, 205–208
 - paleomagnetism, 141A7:181–183
 - physical properties, 141A7:211–215
 - sediments, 141B7:98
 - silicoflagellates, 141B16:226–227
 - site description, 141A2:159–238
 - structural geology, 141A7:183, 185–202
 - summary and conclusions, 141A7:222–229
 - water sampler–temperature–pressure tool (WSTP)–
ADARA temperature measurements,
141A7:215–216, 218
 - well-logging, 141A7:218–222
 - wireline-logging, 141A7:218–222
- Site 861
 - background and objectives, 141A8:240–241
 - biostratigraphy, 141A8:253–259; 141B14:197–199;
15:213–221
 - coring, 141A8:244
 - fluoride, 204B16:7
 - geochronology, 141B17:235–240
 - grain size, 141B6:87
 - inorganic geochemistry, 141A8:272–274
 - lithostratigraphy, 141A8:245–253
 - master chart, 141A8:294–299
 - operations, 141A8:243–245
 - organic geochemistry, 141A8:268–272
 - paleomagnetism, 141A8:259–261
 - physical properties, 141A8:275–276, 278–280
 - sediments, 141B7:98
 - silicoflagellates, 141B16:227–230
 - site description, 141A8:239–299
 - structural geology, 141A8:262–268

- summary and conclusions, 141A8:290–292
 water sampler–temperature–pressure tool (WSTP)–
 ADARA temperature measurements, 141A8:280,
 282–283, 286–290
- Site 862
 background and objectives, 141A9:302
 biostratigraphy, 141A9:316–318; 141B14:199–201
 diagenesis, 141B8:108
 geochronology, 141B35:421–426
 igneous petrology, 141A9:315–316
 inorganic geochemistry, 141A9:331
 lithostratigraphy, 141A9:306–315
 master chart, 141A9:340–341
 operations, 141A9:302–303, 305–307
 organic geochemistry, 141A9:326–329
 paleomagnetism, 141A9:318, 320–321
 petrology, 141B28:349–360
 petromagnetics, 141B4:51–57
 physical properties, 141A9:331–335
 sand, 141B10:139
 sedimentation, 141B31:389–390
 sediments, 141B7:100–101
 site description, 141A9:301–341
 structural geology, 141A9:321–325
 summary and conclusions, 141A9:335–337
 thermal history, 141B5:75
 volcanic rocks, 141B27:331–348
- Site 863
 background and objectives, 141A10:344
 biostratigraphy, 141A10:363–365; 141B14:201–203
 coring, 141A10:348
 diagenesis, 141B11:153–167
 fluid flow, 141B1:3–12; 5:74–75
 geochemical logs, 141B36:431
 grain size, 141B6:87
 hydraulic conductivity, 141B32:401–405
 inorganic geochemistry, 141A10:392, 394, 396–398,
 400
 lithostratigraphy, 141A10:349–350, 352–363
 master chart, 141A10:425–432
 operations, 141A10:344–345, 347–349
 organic geochemistry, 141A10:387–392
 paleomagnetism, 141A10:365, 367–369
 physical properties, 141A10:401, 403–404
 sand, 141B10:139
 sedimentation, 141B31:388–389
 sediments, 141B7:98–100
 site description, 141A10:343–446
 structural geology, 141A10:369–372, 374, 377–387
 summary and conclusions, 141A10:422–423
 water sampler–temperature–pressure tool (WSTP)–
 ADARA temperature measurements,
 141A10:404–405, 407–409, 412
 well-logging, 141A10:412–414, 417–422
 wireline-logging, 141A10:412–414, 417–422
- Site 864
 coring summary, 142A4:58
 drilling, 142A1:21–23
 geochemistry, 142A4:60–61
 igneous petrology, 142A4:57–60
 magnetism, 142A4:61–63
 physical properties, 142A4:63–64
 stratigraphy, 142A4:56–57
- Site 865
 basalt alteration, 144B28:475–481, 484
 carbonate clay mineralogy, 144B26:459–468
 foraminifer ooze, 144B41:684
 paleomagnetism, 191B8:4, 9, 26–27
 thermal events, 165A4:151
- Site 866
 basalt alteration, 144B28:475–477, 482, 484
 carbonate clay mineralogy, 144B26:459–468
 foraminifer ooze, 144B41:684–685
- Site 869
 Campanian nannofloras, 144B7:147
 lithofacies, 144B45:781
 radiometric ages, 144B32:548, 552
 stratigraphic synthesis, 144B49:879–881
- Site 871
 age models, 144B54:961
 background and objectives, 144A3:42–43
 basalt pedogenic alteration, 144B19:383–384, 389–
 390, 393–394
 bathymetry, 144A3:46–47
 biostratigraphy, 144A3:55–65; 144B1:8, 14–15; 2:26,
 28–32; 3:63, 73; 6:127–139
 Cenozoic stratigraphy, 144B41:675–677
 depositional history, 144B12:233–253
 downhole measurements, 144A3:77–79, 81–84
 foraminifer test geochemistry, 144B57:993–995
 hardgrounds, 144B5:99, 101, 112
 igneous petrology, 144A3:71–72, 74
 inorganic geochemistry, 144A3:67–68
 lava petrology, 144B29:496–497
 limestone petrography, 144B23:429–437
 lithostratigraphy, 144A3:47–55
 mass accumulation rates, 144B54:953–971
 Neogene foraminifer stable isotopes, 144B20:401–410
 Oligocene–Neogene interval, 144B21:411–417
 organic geochemistry, 144A3:68–71; 144B25:449–451
 ostracodes, 144B4:88–90
 paleomagnetism, 144A3:65–66
 physical properties, 144A3:74–75, 77
 sedimentation rates, 144A3:66–67
 seismic stratigraphy, 144A3:85–86
 site description, 144A3:41–103
 stratigraphic synthesis, 144B49:873–875
 underway and site geophysics, 144A3:45–47
 well-logs, 144A3:45
- Site 872
 background and objectives, 144A4:106–108
 basalt alteration, 144B19:384; 28:475–477, 483–485
 bathymetry, 144A4:107
 biostratigraphy, 144A4:119–125; 144B1:8–9, 16–17;
 2:26–27, 32–38; 3:64; 8:157–158
 Cenozoic stratigraphy, 144B41:676, 678–679
 downhole measurements, 144A4:137–138
 foraminifer test geochemistry, 144B57:993–995
 hardgrounds, 144B5:101, 104, 112–113
 igneous petrology, 144A4:132–135
 inorganic geochemistry, 144A4:128–129
 lava petrology, 144B29:497–498

- lithostratigraphy, 144A4:111, 113–119
 - mass accumulation rates, 144B54:953–971
 - Oligocene–Neogene interval, 144B21:411–417
 - operations, 144A4:108–110
 - organic geochemistry, 144A4:129, 131–132;
144B25:449–451
 - ostracodes, 144B4:89–90, 92–93
 - paleomagnetism, 144A4:125–126
 - physical properties, 144A4:135–137
 - radiometric ages, 144B32:547, 551
 - sedimentation rates, 144A4:126–128
 - seismic stratigraphy, 144A4:138
 - site description, 144A4:105–144
 - stratigraphic synthesis, 144B49:874, 876
 - underway and site geophysics, 144A4:110–111
- Site 873
- background and objectives, 144A5:146–148
 - basalt alteration, 144B19:384–385, 390–394
 - bathymetry, 144A5:147
 - biostratigraphy, 144A5:164–166, 169–177; 144B1:9,
18–19; 2:33, 38–42; 3:65
 - Cenozoic stratigraphy, 144B41:678, 680, 683, 685
 - diagenesis, 144B46:791–796
 - downhole measurements, 144A5:188–194, 197–198
 - hardgrounds, 144B5:104–108
 - igneous petrology, 144A5:182–185
 - inorganic geochemistry, 144A5:178–179
 - lava petrology, 144B29:498–499
 - lithostratigraphy, 144A5:151–164
 - magnetic structures, 144B37:632–633
 - mass accumulation rates, 144B54:953–971
 - operations, 144A5:148–150
 - organic geochemistry, 144A5:179–182
 - ostracodes, 144B4:90, 94
 - paleoecology, 144B9:186–187
 - paleomagnetism, 144A5:177–178
 - physical properties, 144A5:185–188
 - sedimentation rates, 144A5:178
 - seismic stratigraphy, 144A5:198
 - site description, 144A5:145–207
 - size variations of *Watznaueria barnesae*, 173B7:19
 - stratigraphic synthesis, 144B49:876–877
 - stratigraphy, 144B13:255–269
 - underway and site geophysics, 144A5:150–151
- Site 874
- background and objectives, 144A6:210
 - basalt alteration, 144B19:386; 28:476–477, 483, 485–
486
 - biostratigraphy, 144A6:225–231
 - diagenesis, 144B46:796–803
 - downhole measurements, 144A6:238–244
 - hardgrounds, 144B5:108–109
 - inorganic geochemistry, 144A6:231–232
 - lava petrology, 144B29:499
 - limestone petrography, 144B23:429–437
 - lithostratigraphy, 144A6:212–214, 216, 218–225
 - operations, 144A6:210–211
 - organic geochemistry, 144A6:232–236
 - paleoecology, 144B9:187–188
 - paleoenvironment, 144B14:271–294
 - paleomagnetism, 144A6:231
 - physical properties, 144A6:236–238
 - seismic stratigraphy, 144A6:244
 - site description, 144A6:209–253
 - stratigraphic synthesis, 144B49:877–878
 - underway geophysics, 144A6:211–212
- Site 875
- basalt alteration, 144B28:476–477, 483, 485–486
 - diagenesis, 144B46:804–805
 - hardgrounds, 144B5:109
 - lava petrology, 144B29:499–500
 - paleoecology, 144B9:189–190
 - sedimentary sequences, 144B15:295–310
 - stratigraphic synthesis, 144B49:878–879
 - See also Sites 875–876
- Site 876
- basalt alteration, 144B28:476–477, 483, 485–486
 - diagenesis, 144B46:804–805
 - hardgrounds, 144B5:109–111
 - lava petrology, 144B29:499–500
 - paleoecology, 144B9:190
 - sedimentary sequences, 144B15:295–310
 - stratigraphic synthesis, 144B49:878–879
 - See also Sites 875–876
- Site 877
- background and objectives, 144A8:287–288
 - basalt pedogenic alteration, 144B19:386–388
 - biostratigraphy, 144A8:298–299
 - carbonate geochemistry, 144B25:449–451
 - coring summary, 144A8:288
 - diagenesis, 144B46:796–803
 - downhole measurements, 144A8:309–310
 - hardgrounds, 144B5:111
 - igneous petrology, 144A8:308
 - inorganic geochemistry, 144A8:302–303
 - lava petrology, 144B29:499
 - lithostratigraphy, 144A8:288–297
 - operations, 144A8:288
 - organic geochemistry, 144A8:303–308
 - paleoecology, 144B9:188–189
 - paleoenvironment, 144B14:271–294
 - paleomagnetism, 144A8:299, 301–302
 - physical properties, 144A8:308–309
 - reef diagenesis, 144B24:439–446
 - seismic stratigraphy, 144A8:310
 - site description, 144A8:287–312
 - size variations of *Watznaueria barnesae*, 173B7:19
 - stratigraphic synthesis, 144B49:877–878
 - summary and conclusions, 144A8:311
- Site 878
- algae, 144B11:221–230
 - background and objectives, 144A10:333
 - basalt alteration, 144B19:388; 28:476–477, 483, 486
 - biostratigraphy, 144A10:356–362; 144B3:62, 65, 73;
8:161–163; 10:199–219
 - carbonates, 144B16:311–335; 25:449–451
 - Cenozoic stratigraphy, 144B41:680
 - depositional history, 144B17:337–359
 - downhole measurements, 144A10:377, 382–396
 - hardgrounds, 144B5:111–112, 114
 - igneous petrology, 144A10:368–374
 - inorganic geochemistry, 144A10:366

lava petrology, 144B29:500–502
 limestone electron probe data, 144B59:1001–1003
 lithostratigraphy, 144A10:337–356
 magnetic structures, 144B37:633–634
 operations, 144A10:333–336
 organic geochemistry, 144A10:366–368
 paleomagnetism, 144A10:362–366
 physical properties, 144A10:374–377
 radiometric ages, 144B32:548–549, 552
 seismic stratigraphy, 144A10:396–397
 site description, 144A10:331–412
 stable isotopes, 144B48:861
 stratigraphic synthesis, 144B49:880–883
 summary and conclusions, 144A10:397–398
 underway and site geophysics, 144A10:336–337

Site 879
 algae, 144B11:221–230
 background and objectives, 144A11:414
 basalt pedogenic alteration, 144B19:388
 biostratigraphy, 144A11:425–426; 144B8:163–165;
 10:199–219
 carbonate geochemistry, 144B25:451
 depositional history, 144B18:361–380
 downhole measurements, 144A11:432–435
 igneous petrology, 144A11:430
 inorganic geochemistry, 144A11:427
 lava petrology, 144B33:502
 lithostratigraphy, 144A11:417–425
 magnetic structures, 144B37:634–635
 operations, 144A11:414–415
 organic geochemistry, 144A11:427–430
 paleomagnetism, 144A11:426–427
 physical properties, 144A11:430–432
 radiometric ages, 144B32:549, 552–553
 seismic stratigraphy, 144A11:435
 site description, 144A11:413–441
 stable isotopes, 144B48:862
 stratigraphic synthesis, 144B49:883–884
 summary and conclusions, 144A11:435–436
 underway and site geophysics, 144A11:415–417

Site 880
 background and objectives, 144A12:443
 biostratigraphy, 144A12:444–445
 bulk sediment composition and magnetic susceptibility, 144B55:973–984
 calcareous nannofossils, 144B1:5–9
 coring summary, 144A12:444
 diatoms, 144B3:68–71, 73–74
 inorganic geochemistry, 144A12:446
 lithostratigraphy, 144A12:443–444
 operations, 144A12:443
 paleomagnetism, 144A12:445
 physical properties, 144A12:446–448
 sedimentation rates, 144A12:445–446
 siliceous microfossils, 144B3:62, 65, 73
 site description, 144A12:443–449
 summary and conclusions, 144A12:448

Site 881
 background and scientific objectives, 145A3:38–39
 biostratigraphy, 145A3:45–50; 145B1:11–13; 4:57, 59,
 64; 7:137–139; 37:560; 39:600–601

bottom water activity, 145B38:592
 downhole measurements, 145A3:55–57
 inorganic geochemistry, 145A3:52–54
 lithostratigraphy, 145A3:41–45
 magnetostratigraphy, 145B34:494; 37:560
 operations, 145A3:39–41
 organic geochemistry, 145A3:54–55
 paleoclimatology, 145B3:44–45
 paleomagnetism, 145A3:50–51
 physical properties, 145A3:55
 sediment recycling in arcs, 145B24:383–388
 sedimentation rates and fluxes, 145A3:51–52
 sediments, 145B38:579
 seismic-lithologic correlation, 145A3:57, 61
 seismic surveys, 145B29:438–440
 site description, 145A3:37–83
 summary and conclusions, 145A3:61–62
 volcanic ash, 145B23:345–381
 well-logging, 145A3:39–41

Site 882
 background and scientific objectives, 145A4:85–86
 biostratigraphy, 145A4:90–91, 93; 145B1:9–10; 5:95–
 97; 37:560–561; 39:602–607
 cycle stratigraphy, 145B19:283–292
 glaciation, 145B21:315–329
 high-resolution studies, 145B38:593–594
 inorganic geochemistry, 145A4:96–98
 lithostratigraphy, 145A4:86–87, 89–90
 magnetostratigraphy, 145B34:494, 497; 37:560–561
 operations, 145A4:86, 89
 organic geochemistry, 145A4:98–99; 145B42:645–655
 paleomagnetism, 145A4:93, 95; 145B31:469–474
 physical properties, 145A4:99
 sedimentation, 145A4:95–96; 145B20:293–314
 sediments, 145B38:581
 seismic surveys, 145B29:440–442
 seismic-lithologic correlation, 145A4:99–100
 Site 846 comparison, 145B21:322–323
 site description, 145A4:85–119
 summary and conclusions, 145A4:100–102
 volcanic ash, 145B23:345–381

Site 883
 background and scientific objectives, 145A5:123, 125
 basalts, 145B22:333, 336–337, 340–341
 biostratigraphy, 145A5:138–145; 145B1:10–11; 5:95,
 98–101; 6:118–124; 7:135–136; 8:141–152;
 9:159–161; 18:267–269; 37:561–564; 39:607–
 625; 40:634; 41:639–643
 downhole measurements, 145A5:155–157, 160–161,
 163–177
 igneous petrology, 145A5:134–136, 138
 inorganic geochemistry, 145A5:148–153
 lithostratigraphy, 145A5:127–128, 130–134
 magnetostratigraphy, 145B34:497–498; 37:561–564
 operations, 145A5:125–127
 organic geochemistry, 145A5:153–154
 paleoclimatology, 145B3:45, 48
 paleomagnetism, 145A5:145–147; 145B33:485–487
 physical properties, 145A5:154–155
 pollen, 145B10:174, 176
 sediment recycling in arcs, 145B24:383–388

- sedimentation rates and fluxes, 145A5:147–149
 sediments, 145B38:581
 seismic-lithologic correlation, 145A5:177–181
 seismic surveys, 145B29:442–445
 site description, 145A5:121–193
 slope stability, 145B36:547–556
 stable isotopes, 145B17:257–264
 volcanic ash, 145B23:345–381
- Site 884
 background and scientific objectives, 145A6:210–211
 basalts, 145B22:333, 337–338, 340–341
 basement, 197A4:18–19
 biostratigraphy, 145A6:220–228; 145B1:7–9; 2:21–41;
 4:58–59, 64–65; 5:95, 97, 102–105; 6:124–125;
 9:161–163; 18:269; 37:564, 566–567, 569–570;
 40:626–638
 copper mineralization, 145B25:389–397
 downhole measurements, 145A6:247–251, 264–265,
 270–271
 drift deposits, 145B43:657–660
 igneous petrology, 145A6:219–220
 inorganic geochemistry, 145A6:235, 237–242
 lithostratigraphy, 145A6:213, 216–219
 magnetostratigraphy, 145B34:498–501; 30:455–468;
 37:564, 566–567, 569–570
 operations, 145A6:211, 213–214
 organic geochemistry, 145A6:242
 paleomagnetism, 145A6:228, 231–234; 145B32:475–
 482; 33:485–487
 physical properties, 145A6:242–245, 247
 sediment recycling in arcs, 145B24:383–388
 sedimentation rates and fluxes, 145A6:234–235
 sediments, 145B38:581
 seismic-lithologic correlation, 145A6:271–272
 seismic surveys, 145B29:445–448
 site description, 145A6:209–302
 summary and conclusions, 145A6:272–276
 volcanic ash, 145B23:345–381
 well-logging, 145A6:216, 247–251, 264–265, 270–271
- Site 885
 basalts, 145B22:334, 338–340
 biostratigraphy, 145A7:309; 145B4:60, 65–66
 composite depth scale, 145B13:205–217
 eolian deposition, 145B14:219–230
 ichthyolith stratigraphy, 145B26:399–412
 paleoclimatology, 145B3:44
 rifting, 145B27:413–434
 sediments, 145B38:581
 seismic surveys, 145B29:448–450
See also Sites 885–886
- Site 886
 basalts, 145B22:334, 338–340
 biostratigraphy, 145A7:309–310; 145B4:61, 66
 composite depth scale, 145B13:205–217
 Cretaceous/Tertiary boundary, 145B31:427–434
 eolian deposition, 145B14:219–230
 ichthyolith stratigraphy, 145B26:399–412
 rifting, 145B27:413–434
 sediments, 145B38:581
 seismic surveys, 145B29:448–450
See also Sites 885–886
- Site 887
 background and scientific objectives, 145A8:338
 basalts, 145B22:334, 339–343
 biostratigraphy, 145A8:344–349; 145B1:4, 6–7; 4:62–
 63, 66–67; 5:95, 97, 106–107; 7:136–137;
 37:570; 39:630–632
 downhole measurements, 145A8:359–361
 dropstones, 145B12:201, 203
 igneous petrology, 145A8:344
 inorganic geochemistry, 145A8:351–354
 lithostratigraphy, 145A8:339–344
 magnetostratigraphy, 145B34:501; 37:570
 operations, 145A8:338–339
 organic geochemistry, 145A8:354, 357; 145B42:645–
 655
 paleoclimatology, 145B3:44
 paleomagnetism, 145A8:349–350; 145B33:487–489
 physical properties, 145A8:357–359
 pollen, 145B10:175
 sediment fluxes, 145A8:350–351; 145B16:247–256
 sediments, 145B38:581
 seismic-lithologic correlation, 145A8:361–362
 seismic surveys, 145B29:450–451
 site description, 145A8:335–386
 summary and conclusions, 145A8:362–364
 volcanic-ash geochemistry, 145B44:661–669
 well-logging, 145A8:340, 359–361
- Site 888
 background and objectives, 146A(1)4:56–57
 bacteria, 146B(1)27:402
 biostratigraphy, 146A(1)4:71–73; 146B(1)3:48; 5:81–
 93
 chloride vs. depth, 204A10:55
 inorganic geochemistry, 146A(1)4:83–86
 lithium/chloride ratio, 204A3:62
 lithostratigraphy, 146A(1)4:59–71
 master chart, 146A(1)4:114–119
 microstructures, 146B(1)12:202–203
 operations, 146A(1)4:57–59
 organic geochemistry, 146A(1)4:78–83
 paleomagnetism, 146A(1)4:73, 75–77
 physical properties, 146A(1)4:86–91
 sand, 146B(1)2:34
 seismic stratigraphy, 146A(1)4:57
 site description, 146A(1)4:55–119
 structural geology, 146A(1)4:77–78
 summary, 146A(1)4:98–99, 104, 106, 109; 9:389–390
 water sampler-temperature-pressure tool (WSTP)–
 ADARA temperature measurements,
 146A(1)4:91–92, 94–95
 well-logging, 146A(1)4:95–98
- Site 889
 age vs. depth, 146B(1)3:58
 background and objectives, 146A(1)5:129–130
 bacteria, 146B(1)27:402–404
 biostratigraphy, 146A(1)5:155–162; 146B(1)3:48, 51;
 5:92–97
 chloride vs. depth, 204A10:55
 downhole measurements, 146A(1)5:201, 203, 205–
 217
 gas hydrates, 146A(1)5:183–184; 146B(1)10:175–187

inorganic geochemistry, 146A(1)5:184, 186–191
 lithostratigraphy, 146A(1)5:135–142
 master chart, 146A(1)5:222–227
 microstructures, 146B(1)12:203
 operations, 146A(1)5:131–134
 organic geochemistry, 146A(1)5:176–183
 paleomagnetism, 146A(1)5:162–166
 physical properties, 146A(1)5:191–194;
 146B(1)34:461–462
 sand, 146B(1)2:34–35
 seismic stratigraphy, 146A(1)5:130–131
 site description, 146A(1)5:127–142, 144–231
 structural geology, 146A(1)5:166–176
 summary, 146A(1)5:217–218, 220–221, 225, 229;
 9:390–392
 water sampler-temperature-pressure tool (WSTP)–
 ADARA temperature measurements,
 146A(1)5:194–201

Site 890

background and objectives, 146A(1)5:129–130
 bacteria, 146B(1)27:402–404
 biostratigraphy, 146A(1)5:155, 162; 146B(1)3:51;
 5:100
 chloride vs. depth, 204A10:55
 downhole measurements, 146A(1)5:201, 203, 205–
 217
 gas hydrates, 146A(1)5:183–184
 inorganic geochemistry, 146A(1)5:184, 186–191
 lithostratigraphy, 146A(1)5:142, 144
 master chart, 146A(1)5:228
 microstructures, 146B(1)12:203
 operations, 146A(1)5:132, 134
 organic geochemistry, 146A(1)5:176–183
 paleomagnetism, 146A(1)5:162–166
 physical properties, 146A(1)5:191, 193–194
 sand, 146B(1)2:34–35
 seismic stratigraphy, 146A(1)5:130–131
 site description, 146A(1)5:127–130, 132, 142–151,
 153–156, 162–221, 225, 228–231
 structural geology, 146A(1)5:166–169, 173–176
 summary, 146A(1)5:217–218, 220–221, 225, 229;
 9:390–391
 water sampler-temperature-pressure tool (WSTP)–
 ADARA temperature measurements,
 146A(1)5:194–201

Site 891

background and objectives, 146A(1)6:242
 bacteria, 146B(1)27:404–405
 biostratigraphy, 146A(1)6:255–256; 146B(1)3:51
 carbonates, 146B(1)7:137–138, 141–143
 coring summary, 146A(1)6:245
 foraminifers, 146B(1)5:98–101
 gas hydrates, 146B(1)26:394–395
 inorganic geochemistry, 146A(1)6:267, 269–273
 lithostratigraphy, 146A(1)6:246–254
 master chart, 146A(1)6:288–292
 microstructures, 146B(1)12:203–204; 13:217–232
 operations, 146A(1)6:245–246
 organic geochemistry, 146A(1)6:263–266
 paleomagnetism, 146A(1)6:256–257
 physical properties, 146A(1)6:273–277

sand, 146B(1)2:35, 39–40
 sedimentary environment, 146A(1)6:254–255
 seismic stratigraphy, 146A(1)6:242–245
 seismic velocity, 146B(1)21:337–348
 site description, 146A(1)6:241–300
 structural geology, 146A(1)6:258–263
 summary, 146A(1)9:392–394
 summary and conclusions, 146A(1)6:283, 287–293
 water sampler-temperature-pressure tool (WSTP)–
 ADARA temperature measurements,
 146A(1)6:277
 well-logging, 146A(1)6:278–282

Site 892

background and objectives, 146A(1)7:303, 305
 bacteria, 146B27:404–405
 biostratigraphy, 146A(1)7:319, 321–323; 146B(1)3:51,
 56–57; 4:63–77; 5:100, 102, 104–113; 24:369–
 374
 carbonates, 146B(1)7:138–139, 143–144
 gas hydrates, 146A(1)7:341–343; 146B(1)8:151–161;
 10:175–187; 26:395
 inorganic geochemistry, 146A(1)7:343–346
 lithostratigraphy, 146A(1)7:308–319
 master chart, 146A(1)7:370–373
 microstructures, 146B(1)12:204–207; 13:217–232
 operations, 146A(1)7:305–308
 organic geochemistry, 146A(1)7:331, 333–341
 packer experiments, 146A(1)7:355, 357–359
 paleomagnetism, 146A(1)7:323–324
 physical properties, 146A(1)7:346–349
 pressure and temperature, 146B(1)19:299–311
 sand, 146B(1)2:40–42
 seismic stratigraphy, 146A(1)7:305
 Site 174 comparison, 146A(1)7:318–319
 site description, 146A(1)7:301–378
 structural geology, 146A(1)7:324–331
 summary, 146A(1)7:369–375; 9:394–395
 water sampler-temperature-pressure tool (WSTP)–
 ADARA temperature measurements,
 146A(1)7:349–355
 well-logging, 146A(1)7:359–369

Site 893

alkenones, 146B(2)19:257–264
 background and scientific objectives, 146A(2)2:16,
 18–19
 bacteria, 146B(2)10:139–144
 biostratigraphy, 146A(2)2:44–46, 48–49; 146B(2)1:3–
 18; 16:223–249; 24:329–330
 clay mineralogy, 146B(2)7:89–101
 color density logs, 146B(2)4:45–59
 depths of tops of sections, 146A(2)2:49; 146B(2)4:52
 geochronology, 146B(2)2:19–27
 geologic and oceanographic setting, 146A(2)2:19–20
 interhole correlation, 146B(2)12:169–192
 laminations, 146B(2)6:77–87
 lithofacies, 146B(2)22:295–308
 lithostratigraphy, 146A(2)2:22, 24; 146B(2)27:347–
 351
 methane, 146B(2)15:213–218
 millennial cycles, 167B32:354–355
 operations, 146A(2)2:16, 20–22

organic carbon, 146B(2)9:125–138
organic matter, 146B(2)14:201–211
ostracodes, 146B(2)18:251–255
paleoclimatology, 146B(2)3:31–44; 21:281–293;
23:309–325
paleomagnetism, 146A(2)2:32, 34, 36–39;
146B(2)11:145–168
physical properties, 146A(2)2:39–44; 146B(2)13:193–
197
pollen, 146B(2)20:265–279
pore water, 146B(2)25:331
sand, 146B(2)5:61–75
sedimentology, 146A(2)2:24, 26–27, 30–32
site description, 146A(2)2:15–50
stratigraphy, 146B(2)8:103–124
sulfur, 146B(2)14:219–229
varves, 146B(2)26:333–346

Site 894

basaltic lavas and dikes, 147B9:174–178
bathymetric chart, 147A3:49
cataclastic deformation, 147B28:463, 466
core-log integration, 147B28:467–469
downhole measurements, 147A3:102–105;
147B28:467
fabrics, 147B17:317–328
fractures, 147B18:329–345
gabbroic rocks, 147B2:21–58
geochemistry, 147A3:88–90; 147B3:59–75
isotopes, 147B12:227–234
lithostratigraphy, 147B28:462–463
map of survey tracks, 147A3:48
melt-fluid evolution, 147B11:213–226
metamorphism, 147A3:68–78; 147B10:189–212;
31:497–513
operations, 147A1:10–13; 3:45–53
paleomagnetism, 147A3:90–98; 147B21:373–381;
22:383–391; 23:393–403
petrography, 147A3:55–68
petrology and geochemistry, 147B1:3–19
physical properties, 147A3:98–102
polyphase alteration of gabbros, 147B13:235–254
rock magnetism, 147B28:463
sediment geochemistry, 147B26:443–450
sediments, 147A3:53–55; 147B27:451–457
seismic velocity, 147B25:417–440
site description, 147A3:45–108
structural measurements, 147A3:79–88; 147B32:515–
529
sulfides, 147B5:91–92
sulfur, 147B5:97–98
veins and fractures, 147B28:466–467
well-logging, 147A3:52–53, 102–105

Site 895

aragonite veins, 147B16:311–313
basaltic lavas and dikes, 147B9:178–179
bathymetric map, 147A4:113
fabrics, 147B19:347–356
geochemistry, 147A4:143–144
harzburgites, 147B6:119–121
hydrothermal alteration, 147B14:255–291, 293–309
igneous petrology, 147A4:114–128; 147B7:135–155

lithostratigraphy, 147B28:469
magnetic fabrics, 147B23:393–403
melts, 147B6:103–134; 8:157–172
metamorphism, 147A4:128–138
operations, 147A1:10–13; 4:111–113
paleomagnetism, 147A4:144–150; 147B22:383–391
physical properties, 147A4:150–157
platinum group elements, 147B4:77–90
pyroxenes, 147B2:50
rock magnetism, 147B24:405–413; 28:469–470
sediment geochemistry, 147B26:443–450
sediments, 147A4:113–114; 147B27:451–457
seismic velocity, 147B25:417–440
serpentinization, 147B28:470–472
site description, 147A4:109–159
structure, 147A4:138–143; 147B20:357–370; 32:515–
529
sulfides, 147B5:92
sulfur, 147B5:98–99
survey tracks map, 147A4:112
ultramafic reference material, 147B30:493–496
veins and fractures, 147B28:470–472

Site 896

alteration, 148A3:141–150; 148B11:151–170; 12:171–
189; 35:435–450
background and objectives, 148A3:124–128
bathymetric map, 148A3:125
downhole measurements, 148A3:166–175;
148B29:375–388
geochemical logging, 148B30:389–394
geochemistry, 148A3:150–151; 148B2:9–19
heat flow maps, 148A3:127
hydrothermal alteration, 148B10:119–150
igneous and metamorphic geochemistry, 148A3:150–
151
igneous petrology, 148A3:129–141
Layer 2, 148B17:245–259; 18:261–279
magnetic properties, 148B24:331–338; 38:467–482
microbial activity, 148B14:207–214
operations, 148A3:128–129
paleomagnetism, 148A3:158–161; 148B15:217–226
permeability, 148B27:353–363
physical properties, 148A3:161–166; 148B28:365–374
pillow lavas, 148B13:191–206
site description, 148A3:123–192
structure and deformation, 148A3:151–158
veins, 148B19:281–288
volcanic glass, 148B39:483–487

Site 897

background and scientific objectives, 149A4:42–43
basement, 173A1:12, 17
biostratigraphy, 149A4:62–70; 149B2:27–59; 3:62–63;
5:149–158; 6:166–173; 8:209
calcite veins, 149B34:559–569
cataclasites, 149B36:577–591
consolidation, 149B20:363–373
gases, 161A7:319
geochemistry, 149A4:73–83
geology, 149B43:665–674
gravity flows, 149B47:719–721
heat flow, 149B44:675–684

- igneous petrology, 149A4:73–83
in situ temperature measurements, 149A4:106, 108
inorganic geochemistry, 149A4:97–100
lithostratigraphy, 149A4:46–62
magnetostratigraphy, 149B10:318–323; 25:431–446;
173B11:6–10
metamorphic petrology, 149A4:73–83
ocean–continent transition, 149B47:717–718
Oligocene–Miocene nannofossil biostratigraphy,
149B4:80–81
operations, 149A4:43–45
organic geochemistry, 149A4:93–97
organic matter, 149B13:295–300, 305–313
paleomagnetism, 149A4:70–73
peridotite geochemistry, 149B23:413–424
physical properties, 149A4:100–105
seafloor weathering, 149B31:529–540, 553–558
sediments, 149B14:301–304; 49:741–754
seismic profiles, 149A4:105–106
serpentinites, 149B30:519–527; 32:541–552
serpentinized harzburgites, 173A7:199
site description, 149A4:41–113
site geophysics, 149A4:45–46
structural geology, 149A4:83–93
ultramafic rocks, 149B24:426–427
- Site 898
background and scientific objectives, 149A5:116
biostratigraphy, 149A5:127–129; 149B3:63; 6:170–
175; 8:209; 10:243–252
gases, 161A7:319
geology, 149B43:665–674
in situ temperature measurements, 149A5:143–144
inorganic geochemistry, 149A5:134–137
lithostratigraphy, 149A5:118–127
magnetic polarity, 173B11:6–8, 10–11
magnetostratigraphy, 149B21:322–325
Neogene–Quaternary benthic foraminifers,
149B9:218
Oligocene–Miocene nannofossil biostratigraphy,
149B4:81
operations, 149A5:116
organic geochemistry, 149A5:131–134
organic matter, 149B15:305–313
paleomagnetism, 149A5:129–131
physical properties, 149A5:137–141
Pliocene–Pleistocene calcareous nannofossils,
149B5:151–155, 158, 160
sediments, 149B14:301–304; 49:741–754
seismic profiles, 149A5:141–143
site description, 149A5:115–146
site geophysics, 149A5:116–118
- Site 899
background and scientific objectives, 149A6:148
basalt and diabase, 173B10:4
basement, 173A1:12
biostratigraphy, 149A6:175–179
calcite veins, 149B34:559–569
cataclasites, 149B36:577–591
Cretaceous biostratigraphy, 149B2:33–34
Cretaceous–Quaternary foraminiferal biostratigra-
phy, 149B6:173–177
- geochemical data onshore processing, 149A6:200–202
geochemistry, 149B29:497–515
geology, 149B43:665–674
gravity flows, 149B47:719–721
inorganic geochemistry, 149A6:190–192
lithostratigraphy, 149A6:151–175
magnetic signatures, 149B25:431–446
Mesozoic biostratigraphy, 149B2:27–59
metamicrogabbro, 173A6:134, 198
ocean/continent transition, 149B47:718–719
Oligocene–Miocene nannofossil biostratigraphy,
149B4:81
operations, 149A6:149–151
organic geochemistry, 149A6:189–190
organic matter, 149B15:305–313
paleomagnetism, 149A6:179–182
petrology, 149A6:151–175
physical properties, 149A6:192–197
Pliocene–Pleistocene calcareous nannofossils,
149B5:155–156
pressure–temperature conditions, 146B(1)19:299–300
rare earths, 173B10:17
seafloor weathering, 149B31:529–540; 33:553–558
sediments, 149B40:741–754
seismic profiles, 149A6:202–203
serpentine breccia, 149B35:571–575
serpentinites, 149B32:541–552
site description, 149A6:147–209
site geophysics, 149A6:151
structural geology, 149A6:182–189
ultramafic rocks, 149B24:427
well-logging, 149A6:198–200
- Site 900
background and scientific objectives, 149A7:212
basement, 173A1:13, 17
basement tectonics, 149B47:721–722
biostratigraphy, 149A7:223–230
Cenozoic dinoflagellate biostratigraphy, 149B10:243,
252–253
Cretaceous–Paleogene benthic foraminifers,
149B8:209
Cretaceous–Quaternary foraminiferal biostratigra-
phy, 149B6:177–184
downhole logging, 149A7:253–256
Eocene nannofossils, 149B3:63
geochemistry, 149A7:231–236
geochronology, 149B28:489–494
geology, 149B43:665–674
heat flow, 149B44:675–684
igneous petrology, 149A7:231–236
in situ temperature measurements, 149A7:257–258
inorganic geochemistry, 149A7:244–245
lithostratigraphy, 149A7:214–223
magnetic polarity, 173B11:6–8, 11–14
magnetostratigraphy, 149B16:323, 331–333
metagabbro, 173A6:134, 198
metamorphic petrology, 149A7:231–236
metamorphosed cumulate gabbros, 149B27:471–488
Neogene–Quaternary benthic foraminifers,
149B9:218

- Oligocene–Miocene nannofossil biostratigraphy, 149B4:81, 83
- operations, 149A7:212–213
- organic geochemistry, 149A7:241–244
- organic matter, 149B15:305–313
- paleomagnetism, 149A7:230–231
- physical properties, 149A7:245–253
- Pliocene–Pleistocene calcareous nannofossils, 149B5:156–160
- rare earths, 173B10:17
- sediments, 149B40:741–754
- seismic profiles, 149A7:256–257
- site description, 149A7:211–262
- site geophysics, 149A7:213–214
- structural geology, 149A7:236–241
- ultramafic rocks, 149B24:427–428
- well-logging, 149A7:253–256
- Site 900A, biostratigraphy, 173B4:8
- Site 901
 - basement, 173A1:14, 17
 - basement tectonics, 149B47:722
 - geology, 149B43:665–674
 - Jurassic benthic foraminifers, 149B7:193–201
 - Jurassic biostratigraphy, 149B2:28–29
 - Mesozoic biostratigraphy, 149B2:27–59
 - site description, 149A8:263–268
- Site 902
 - advanced piston corer (APC) downhole measurements, 150A6:104–105
 - background and objectives, 150A6:65, 67
 - biostratigraphy, 150A6:76–86; 150B1:8–10; 2:21; 3:40–42; 5:71; 26:435; 27:440–441
 - diagenesis in boreholes, 150X_B3:33–34
 - inorganic geochemistry, 150A6:98–101
 - lithostratigraphy, 150A6:69–76; 150B22:395–397, 406
 - mass transport deposits, 150B11:213, 215
 - operations, 150A6:67–69
 - organic geochemistry, 150A6:91–98
 - paleomagnetism, 150A6:86–89
 - physical properties, 150A6:101–104
 - Pleistocene age models, 150B7:119–121
 - sedimentation rates, 150A6:89–91
 - seismic stratigraphy, 150A6:111–115; 150B16:300–301
 - shore-based log processing, 150A6:117
 - site description, 150A6:63–127
 - strontium isotope stratigraphy, 150B6:107
 - summary and conclusions, 150A6:115–116
 - well-logging, 150A6:105–111
- Site 903
 - background and objectives, 150A7:131
 - biostratigraphy, 150A7:149–157; 150B1:10–14; 2:21–25; 3:42; 5:72–73; 26:436; 27:442–445
 - clay mineral sedimentation, 150B9:148–156
 - diagenesis in boreholes, 150X_B3:30–32
 - inorganic geochemistry, 150A7:167–173
 - lithostratigraphy, 150A7:135–149; 150B22:398–401, 406–407
 - magnetostratigraphy, 150B8:130–134
 - operations, 150A7:131–135
 - organic geochemistry, 150A7:163–167
 - organofacies, 150B18:329–344
 - paleomagnetism, 150A7:157–159
 - physical properties, 150A7:173–178
 - Pleistocene age models, 150B7:121–122
 - rock magnetism, 150B19:353–355
 - sedimentation rates, 150A7:159–163
 - seismic stratigraphy, 150A7:183–189
 - seismic unconformity correlation, 150B16:301–302
 - sequence stratigraphy, 150B10:171–187
 - shore-based log processing, 150A7:190
 - site description, 150A7:129–205
 - strontium isotope stratigraphy, 150B6:106–107
 - summary and conclusions, 150A7:189
 - systems tracts, 150B20:369–371
 - well-logging, 150A7:178–183
- Site 904
 - background and objectives, 150A8:208
 - biostratigraphy, 150A8:221–227; 150B1:4–8; 2:25–26; 3:42; 5:69; 26:436; 27:446–447; 28:455–460
 - diagenesis in boreholes, 150X_B3:34–35, 38–39
 - inorganic geochemistry, 150A8:233–235
 - lithostratigraphy, 150A8:209–220; 150B22:402–403, 407
 - mass-transport deposits, 150B11:215–217
 - magnetostratigraphy, 150B8:134–136
 - operations, 150A8:208–209
 - organic geochemistry, 150A8:231–233
 - paleomagnetism, 150A8:227–228
 - physical properties, 150A8:235–239
 - Pleistocene age models, 150B7:122
 - rock magnetism, 150B19:349–353
 - sedimentation rates, 150A8:228–230
 - seismic stratigraphy, 150A8:241–243; 150B16:302
 - shore-based log processing, 150A8:245
 - site description, 150A8:207–253
 - strontium isotope stratigraphy, 150B6:104–106
 - summary and conclusions, 150A8:243–244
 - tektites, 150B13:241–265
 - well-logging, 150A8:239–241
- Site 905
 - background and objectives, 150A9:256–257
 - biostratigraphy, 150A9:272–280; 150B2:26–27; 4:53–61; 26:436; 27:450–451
 - clay mineral sedimentation, 150B9:155–164
 - inorganic geochemistry, 150A9:286–291
 - lithostratigraphy, 150A9:260–272; 150B22:407
 - mass transport deposits, 150B11:220–221
 - operations, 150A9:258–260
 - organic geochemistry, 150A9:282–286
 - organofacies, 150B18:329–344
 - paleomagnetism, 150A9:280
 - physical properties, 150A9:291–293
 - sedimentation rates, 150A9:280–282
 - seismic stratigraphy, 150A9:295–298
 - shore-based log processing, 150A9:301
 - site description, 150A9:255–308
 - summary and conclusions, 150A9:299
 - well-logging, 150A9:293–295
- Site 906
 - background and objectives, 150A10:310–311

- biostratigraphy, 150A10:319–325; 150B2:27; 5:69, 71; 26:436; 27:452–453
- diagenesis in boreholes, 150X_B3:31, 33, 37
- inorganic geochemistry, 150A10:330–334
- lithology, 150B22:404–408
- lithostratigraphy, 150A10:312–319
- operations, 150A10:311–312
- organic geochemistry, 150A10:328–330
- paleomagnetism, 150A10:325–326
- physical properties, 150A10:334–336
- sedimentation rates, 150A10:326–328
- seismic stratigraphy, 150A10:338–344; 150B16:302
- shore-based log processing, 150A10:345
- site description, 150A10:309–357
- strontium isotope stratigraphy, 150B6:107
- submarine canyons, 150B15:283–292
- summary and conclusions, 150A10:344
- well-logging, 150A10:336–338
- Site 907
- age vs. depth, 151B27:458
- background and objectives, 151A5:58–59; 162A7:224–226
- biostratigraphy, 151A5:69–74; 151B4:61–74; 14:257–259, 262–265; 29:483–492; 35:630–632; 162A7:231, 234, 238–240
- carbonate content, 162B12:181
- Cenozoic paleoenvironment, 151A13:400–401
- composite depths, 162A7:226–231
- downhole measurements, 151A5:92–95
- drilling, 151B1:20
- geologic summary, 151A13:400–402
- hydrocarbons, 151A12:386
- igneous petrology, 151A5:77–80
- inorganic geochemistry, 151A5:80–84; 162A7:245–248
- lithostratigraphy, 151A5:60–68; 162A7:227, 231
- lower to upper Miocene and lower Pliocene, 151A13:419
- magnetostratigraphy, 162B9:132–143
- middle/late Miocene boundary, 162A1:16
- Neogene, 151B27:455–468
- operations, 151A5:59–60; 162A7:226
- organic geochemistry, 151A5:84–86; 162A7:243–245
- paleoceanography, 151B25:437–444; 36:646–648
- paleomagnetism, 151A5:74–77; 162A7:240–241
- physical properties, 151A5:86–92; 13:407; 162A7:248–252
- planktonic foraminifers, 162B2:20–21
- sedimentation rates, 162A7:241, 243
- seismic stratigraphy, 151A5:95–96
- shore-based log processing, 151A5:107
- silicoflagellate biostratigraphy, 162B5:68–70
- site description, 151A5:57–111; 162A7:223–252
- surface water masses, 151B30:493–514
- tholeiitic basalt, 151B19:351–365
- volcanic ash, 151B17:309–331, 333–350
- well-logging, 151A5:92–95, 107
- Site 908
- background and objectives, 151A6:114–116
- biostratigraphy, 151A6:122–125; 151B5:78–80; 6:101–124; 7:132–133; 8:160–161; 14:265–266, 273–281; 35:632–634
- Cenozoic paleoenvironment, 151A13:401
- downhole measurements, 151A6:139–149
- geologic summary, 151A13:401–403
- glaciation, 151B32:569–582
- hydrocarbons, 151A12:386
- inorganic geochemistry, 151A6:129–131
- lithostratigraphy, 151A6:117–122
- Oligocene–Miocene interval, 162A1:16
- Oligocene–Miocene vegetation, 151B15:289–296
- operations, 151A6:116–117; 151B1:20
- organic geochemistry, 151A6:131–136
- paleoceanography, 151B36:651
- paleomagnetism, 151A6:125–129
- physical properties, 151A6:136–139, 407
- sediments, 151B31:517–518
- seismic stratigraphy, 151A6:149–153
- site description, 151A6:113–158
- upper Oligocene to lowermost Miocene, 151A13:418
- volcanic ash, 151B18:333–350
- well-logging, 151A6:139–149, 154
- Site 909
- background and objectives, 151A7:160–161
- biostratigraphy, 151A7:171–176; 151B8:159–160; 9:169–173; 35:634–635
- carbonates, 151B24:417
- Cenozoic paleoenvironment, 151A13:401–402
- coring, 151A7:163
- dinoflagellates, 151B14:259–265, 267–272
- downhole measurements, 151A7:200–205
- drilling, 151B1:20
- geologic summary, 151A13:401–404
- hydrocarbons, 151A12:386–387, 391–392; 13:413
- inorganic geochemistry, 151A7:181–183
- lithostratigraphy, 151A7:164–171
- lower to upper Miocene and lower Pliocene, 151A13:419
- operations, 151A7:162–164
- organic geochemistry, 151A7:184–194
- organic matter, 151B22:391–405, 407–414
- paleoceanography, 151B25:437–444; 32:569–582; 36:651
- paleomagnetism, 151A7:176–181
- physical properties, 151A7:194–200; 13:407
- Quaternary, 151B28:469–482
- sediments, 151B31:517–518
- seismic stratigraphy, 151A7:205–208, 210
- site description, 151A7:159–220
- surface water masses, 151B30:493–514
- upper Oligocene to lowermost Miocene, 151A13:418
- well-logging, 151A7:200–205, 211
- Site 910
- background and objectives, 151A8:222–225
- biostratigraphy, 151A8:230–236; 151B3:39–43; 8:157; 10:187–196; 35:634, 636
- Cenozoic paleoenvironment, 151A13:402–403
- downhole measurements, 151A8:255–261
- geologic summary, 151A13:402–405
- hydrocarbons, 151A12:387

- inorganic geochemistry, 151A8:239–241
- lithostratigraphy, 151A8:227–230
- operations, 151A8:225–227; 151B1:19–20
- organic geochemistry, 151A8:241–243
- ostracodes, 151B11:197–201
- paleoceanography, 151B25:437–444; 36:651
- paleomagnetism, 151A8:236–239
- physical properties, 151A8:243–255; 13:407
- Pliocene–Pleistocene vegetation, 151B16:298
- Quaternary, 151B26:445–454
- sediments, 151B21:377–388
- seismic stratigraphy, 151A8:261–263
- site description, 151A8:221–270
- well-logging, 151A8:255–261, 264
- Site 911
 - background and objectives, 151A9:272
 - biostratigraphy, 151A9:277–281; 151B3:43–52; 8:154–158; 13:243–253; 35:634, 637–638
 - carbonates, 151B24:417–418
 - Cenozoic paleoenvironment, 151A13:403–404
 - downhole measurements, 151A9:297–304
 - drilling, 151B1:19–20
 - geologic summary, 151A13:403–406
 - hydrocarbons, 151A12:387
 - inorganic geochemistry, 151A9:285–288
 - lithostratigraphy, 151A9:274–277
 - natural gamma ray activity profiles, 151B20:369–376
 - operations, 151A9:273–274
 - organic geochemistry, 151A9:288–291
 - organic matter, 151B22:391–405
 - ostracodes, 151B11:197–201
 - paleoceanography, 151B36:651
 - paleomagnetism, 151A9:281–285
 - physical properties, 151A9:291–297; 13:407
 - Pliocene–Pleistocene vegetation, 151B16:298–301
 - seismic stratigraphy, 151A9:304–307
 - site description, 151A9:271–318
 - well-logging, 151A9:297–304, 308
- Site 912
 - background and objectives, 151A10:320–321
 - biostratigraphy, 151A10:326–329; 151B8:157–158; 35:638
 - Cenozoic paleoenvironment, 151A13:404
 - geologic summary, 151A13:404–407
 - hydrocarbons, 151A12:387
 - inorganic geochemistry, 151A10:332–333
 - lithostratigraphy, 151A10:322–326
 - operations, 151A10:321–322; 151B1:19–20
 - organic geochemistry, 151A10:333–336
 - paleoceanography, 151B36:651
 - paleomagnetism, 151A10:329–332
 - physical properties, 151A10:336–343; 13:407
 - Quaternary, 151B28:469–482
 - site description, 151A10:319–343
- Site 913
 - background and objectives, 151A11:346–349
 - biostratigraphy, 151A11:360–365; 151B5:80–82; 6:101–124; 7:133–134; 8:161; 9:173–180; 12:203–242; 14:281; 35:638–641
 - carbonates, 151B24:418–419
 - Cenozoic paleoenvironment, 151A13:404–405
 - geologic summary, 151A13:404–408
 - hydrocarbons, 151A12:387
 - inorganic geochemistry, 151A11:366–368
 - lithostratigraphy, 151A11:353–360
 - middle Eocene, 151A13:418; 162A1:16
 - middle Miocene, 151A13:418–419
 - operations, 151A11:349–353; 151B1:20
 - organic geochemistry, 151A11:368–371
 - paleoceanography, 151B36:648–651
 - paleomagnetism, 151A11:365–366
 - paleosalinity, 151B33:583–591
 - physical properties, 151A11:372–382; 13:407
 - site description, 151A11:345–382
 - upper Eocene to lowermost Oligocene, 151A13:418
 - volcanic ash, 151B18:333–350
- Site 914
 - biostratigraphy, 152A6:62–64; 152B11:147–148; 12:164; 19:250
 - inorganic geochemistry, 152A6:67; 8:97–101
 - lithostratigraphy, 152A6:57–62
 - magnetostratigraphy, 152B20:253–254
 - operations, 152A6:55–57
 - organic geochemistry, 152A6:66–67
 - paleomagnetism, 152A6:64–66; 152B23:272–273
 - physical properties, 152A6:67–70
 - pore water, 152B25:294–296
 - sedimentation rates, 152A6:66
 - site description, 152A6:53–71
- Site 915
 - alteration, 152B9:117
 - biostratigraphy, 152A7:78; 152B11:148–149; 12:164–165; 19:250
 - igneous petrology, 152A7:80–82
 - igneous provinces, 163X_A1:3–4
 - inorganic geochemistry, 152A7:83; 8:97–101
 - lava, 152B32:395; 163B6:58–59
 - lithostratigraphy, 152A7:75–78
 - magnetostratigraphy, 152B20:254
 - operations, 152A7:74–75
 - organic geochemistry, 152A7:82–83
 - paleomagnetism, 152A7:78–79
 - palynomorphs, 152B16:221, 225
 - physical properties, 152A7:83–87
 - pore water, 152B25:294–296
 - sedimentation rates, 152A7:79–80
 - seismic stratigraphy, 163B1:6
 - site description, 152A7:73–87
 - summary, 152A7:87
 - volcanic rocks, 152B27:316; 28:341
- Site 916
 - alteration, 152B9:117; 40:490–491
 - biostratigraphy, 152A8:94, 96; 152B11:149; 12:165
 - inorganic geochemistry, 152A8:97–101
 - lithostratigraphy, 152A8:90–94
 - magnetostratigraphy, 152B20:254
 - operations, 152A8:90
 - organic geochemistry, 152A8:97
 - paleomagnetism, 152A8:96–97
 - palynomorphs, 152B16:221, 224–225
 - physical properties, 152A8:101–105
 - pore water, 152B25:294–296

sedimentation rates, 152A8:97
 seismic stratigraphy, 163B1:6
 site description, 152A8:89–105
 Site 917
 alteration, 152B9:117, 119
 alteration and veins, 163B13:149–153
 basalt trace elements, 163A4:41
 basaltic lavas, 152B30:359–372
 biostratigraphy, 152A9:117–119; 152B11:149
 coring, 152A9:112
 downhole measurements, 152A9:145–151;
 152B38:453–462
 igneous petrology, 152A9:121–140; 152B40:489–490
 igneous provinces, 163X_A1:3–4
 lava flows, 152B32:390–395; 163A4:42
 lava stratigraphy, 163B6:58–59
 lithostratigraphy, 152A9:113–117
 magnetic susceptibility, 152B23:278–279
 magnetostratigraphy, 152B20:254
 melts, 163B9:95–112; 11:130–131
 metamorphic rocks, 152B10:129–144
 operations, 152A9:110–113
 paleomagnetism, 152A9:119–121; 152B21:259–264
 palynomorphs, 152B16:221–222
 physical properties, 152A9:140–145
 secondary minerals, 152B34:417–424
 sedimentation rates, 152A9:121
 site description, 152A9:107–158
 spinels, 163B11:123–124
 structural data, 152B37:439–451; 163B4:37–40
 trace elements, 163A4:40
 volcanics, 152B8:93–113; 27:316; 28:338–341;
 33:403–416; 41:510–512, 518–519; 163B1:6
 Site 918
 alteration, 152B9:119, 121; 163B13:149–153
 background and scientific objectives, 152A11:179–
 182
 basalt trace elements, 163A4:41
 biostratigraphy, 152A11:208–219; 152B11:149–154;
 12:165–172; 13:191–199; 14:201–208; 16:222–
 223, 225; 19:250
 clays, 152B4:39–49
 heat flow, 152A11:249–251
 igneous petrology, 152A11:225–229
 igneous provinces, 163X_A1:3–4
 inorganic geochemistry, 152A11:231–237
 isotope stratigraphy, 152B17:233–241
 lava, 152B32:395; 163B6:58–59
 lithostratigraphy, 152A11:191–208
 magnetostratigraphy, 152B20:254–256; 22:265–269
 mass accumulation rates, 163B15:163–166
 melts, 163B9:95–112
 operations, 152A11:182–191
 organic geochemistry, 152A11:229–231; 152B24:283–
 292
 paleomagnetism, 152A11:219–224; 152B23:272, 275–
 277
 physical properties, 152A11:237–249
 pore water, 152B25:293–305
 sedimentation rates, 152A11:224–225
 sediments, 152B2:19–28

site description, 152A11:177–256
 subsidence, 152A11:224–225
 volcanics, 152B6:67–84; 8:93–113; 27:316; 28:341,
 343; 40:490–491; 41:512–513
 Site 919
 background and scientific objectives, 152A12:259
 biostratigraphy, 152A12:264–266; 152B11:154–155;
 12:173–175; 15:209–219
 clays, 152B4:39–49
 coring, 152A12:261
 inorganic geochemistry, 152A12:269–272
 isotope stratigraphy, 152B17:233–241; 18:243–248
 lithostratigraphy, 152A12:261–264
 magnetic susceptibility, 152B23:274–277
 magnetostratigraphy, 152B22:265–269
 mass accumulation rates, 163B14:157–162
 operations, 152A12:259–261
 organic geochemistry, 152A12:267–269
 paleomagnetism, 152A12:266–267
 physical properties, 152A12:272–276
 pore water, 152B25:293–305
 sedimentation rates, 152A12:267
 site description, 152A12:257–277
 tephra transport, 152B5:51–64
 volcanic ash, 152B6:67–84
 Site 920
 camera surveys, 153A3:48
 coring, 153A3:47
 diabase dikes, 153B19:363–377
 diopside, 153B13:277–284
 ductile deformation, 153B2:23–34
 gabbroic rocks, 153B11:243–264
 geochemistry, 153A3:64–72; 153B10:190–197
 hydrothermal alteration, 153B30:523–529
 igneous petrology, 153A3:51–64
 lithologic units, 153A3:48–51
 magnetic anisotropy, 153B23:419–427
 mantle, 153B29:505–521
 metamorphic petrology, 153A3:72–92
 operations, 153A3:47–51
 paleomagnetism, 153A3:106–111
 peridotites, 153B12:265–275; 14:285–303
 physical properties, 153A3:111–115
 serpentinization, 153B3:35–59; 20:381–388
 site description, 153A3:45–119
 structural geology, 153A3:92–106
 tectonics, 153B1:5–21
 websterite, 153B16:321–331
 Site 921
 camera surveys, 153A4:123–124
 coring, 153A4:123
 crystallization, 153B17:333–350
 diabase dikes, 153B19:363–377
 gabbroic rock chemistry, 153B10:216–219
 gabbroic rocks, 153B27:471–490
 geochemistry, 153A4:123, 141–151; 153B10:198–202
 igneous petrology, 153A4:123, 126–141
 iron–titanium oxides, 153B7:123–141
 lithologic units, 153A4:123–126
 metamorphic petrology, 153A4:123, 151–158
 operations, 153A4:122–124

- paleomagnetism, 153A4:123, 167–171
- physical properties, 153A4:123, 171–176
- site description, 153A4:121–177
- structural geology, 153A4:123, 158–167
- Site 922
 - camera surveys, 153A5:180–181
 - coring, 153A5:180
 - gabbroic rocks chemistry, 153B10:219
 - geochemistry, 153A5:191–193; 153B10:203–204
 - igneous petrology, 153A5:182–191
 - iron–titanium oxides, 153B7:123–141
 - lithologic units, 153A5:181–182
 - metamorphic petrology, 153A5:193–204
 - operations, 153A5:180–181
 - paleomagnetism, 153A5:209–211
 - physical properties, 153A5:211–215
 - scandium, 153B18:360–361
 - site description, 153A5:179–215
 - structural geology, 153A5:204–209
- Site 923
 - camera surveys, 153A6:218
 - coring, 153A6:219
 - crystallization, 153B17:333–350
 - gabbroic rock chemistry, 153B10:220, 222
 - gabbroic rocks, 153B27:471–490
 - geochemistry, 153A6:231–235; 153B10:205–209
 - igneous petrology, 153A6:219–231
 - lithologic units, 153A6:218–219
 - metamorphic petrology, 153A6:235–244
 - operations, 153A6:218
 - paleomagnetism, 153A6:251–254
 - physical properties, 153A6:254–257
 - site description, 153A6:217–258
 - structural geology, 153A6:244–251
- Site 924
 - camera surveys, 153A7:260–261
 - coring, 153A7:261
 - igneous petrology, 153A7:263–265
 - lithologic units, 153A7:261–262
 - metamorphic petrology, 153A7:265–267
 - operations, 153A7:260–261
 - paleomagnetism, 153A7:271–272
 - physical properties, 153A7:272–274
 - site description, 153A7:259–274
 - structural geology, 153A7:267–271
- Site 925
 - background and objectives, 154A4:56
 - beryllium isotopes, 154B26:389–394
 - biostratigraphy, 154A4:66–78, 88–89; 154B1:3–31; 2:42–48
 - carbon isotope signals, 177B(synthesis):41
 - carbon isotopes, 154B35:501–505
 - composite section, 154A4:79–86
 - coring, 154A4:58–59
 - downhole measurements, 154A4:117–123, 131
 - geochemistry, 154A4:87, 89, 91–98; 154B32:475–481
 - lithostratigraphy, 154A4:60–66
 - magnetic susceptibility, 154B37:529–532
 - operations, 154A4:56–59
 - oxygen isotopes, 154B13:201–206
 - paleoceanography, 154B16:239–253, 255–268; 18:269–297; 20:299–330; 25:375–388
 - paleoclimatology, 175B(synthesis):85
 - paleomagnetism, 154A4:78–79, 90–91
 - physical properties, 154A4:98–117, 124–127
 - rock magnetism, 154B11:181–186
 - sedimentation rates, 154A4:80, 87, 89; 154B31:465–473
 - site description, 154A4:55–152
 - summary and conclusions, 154A4:123, 125, 129
- Site 926
 - background and objectives, 154A5:154
 - biostratigraphy, 154A5:160–167, 182; 154B2:49–50
 - carbonate content vs. age, 165B17:265
 - composite section, 154A5:168–169, 171–178
 - coring, 154A5:155
 - correlation of magnetic susceptibility and calcium carbonate in pelagic carbonates, 165A8:384
 - cyclostratigraphy, 154B4:101–114
 - downhole measurements, 154A5:202–232
 - geochemistry, 154A5:178–179, 181, 183–189; 154B32:475–481; 36:507–526
 - lithostratigraphy, 154A5:156–160
 - Miocene, 154B24:367–373
 - nannofossil events, 154B4:83–99
 - operations, 154A4:154–156
 - paleoceanography, 154B20:299–318; 27:395–431; 30:451–461
 - paleoclimatology, 175B(synthesis):85
 - paleomagnetism, 154A5:167–168, 170–171, 180–181
 - physical properties, 154A5:189–206
 - sediment flux, 154B3:69–82
 - sedimentation rates, 154A5:171, 178, 183
 - site description, 154A5:153–232
 - stratigraphy, 154B29:441–449
 - summary and conclusions, 154A5:210, 212
 - timescales, 198B22:6
- Site 927
 - background and objectives, 154A6:234
 - biostratigraphy, 154A6:238–244, 249, 258–259; 154B2:49, 51
 - carbonate dissolution, 154B15:229–237
 - composite section, 154A6:244–248
 - coring, 154A6:238
 - downhole measurements, 154A6:255–260, 263–268, 270–279
 - geochemistry, 154A6:248–249, 251, 256–257, 259, 261
 - lithostratigraphy, 154A6:235–238
 - operations, 154A6:234–235
 - paleoceanography, 154B14:207–228; 16:239–253; 20:299–318
 - paleomagnetism, 154A6:244, 250–251, 254–255
 - physical properties, 154A6:251–255, 259
 - sedimentation rates, 154A6:245, 248, 256, 259
 - sediments, 154B7:135–149
 - site description, 154A6:233–279
 - summary and conclusions, 154A6:269, 272
- Site 928
 - background and objectives, 154A7:282

- biostratigraphy, 154A7:285–293, 300–302; 154B2:51–52
- composite section, 154A7:293–296
- coring, 154A7:284
- cyclostratigraphy, 154B5:101–114
- downhole measurements, 154A7:319–336
- geochemistry, 154A7:300, 302, 304–309
- lithostratigraphy, 154A7:282–285
- operations, 154A7:282
- paleoceanography, 154B18:269–297; 20:299–318; 25:375–388; 27:395–431
- paleomagnetism, 154A7:293, 297–299, 303
- physical properties, 154A7:308–319
- sedimentation rates, 154A7:297, 299–300, 302, 304
- sediments, 154B7:135–149
- silica, 154B33:483–490
- site description, 154A7:281–336
- summary and conclusions, 154A7:326–328
- Site 929
 - background and objectives, 154A8:338
 - biostratigraphy, 154A8:347–353, 366–367; 154B2:51, 53–55
 - carbon isotope maximum at Oligocene/Miocene boundary, 177B(synthesis):36
 - carbonate dissolution, 154B15:229–237
 - composite section, 154A8:354, 356–359
 - coring, 154A8:340
 - downhole measurements, 154A8:371, 380–417
 - geochemistry, 154A8:355, 359, 361–363, 369–371; 154B32:475–481; 36:507–526
 - lithostratigraphy, 154A8:341–347
 - operations, 154A8:338–341
 - oxygen isotopes, 177B(synthesis):6
 - paleoceanography, 154B16:239–253; 19:285–297, 299–330; 25:375–388; 27:395–431; 30:451–461
 - paleoclimatology, 154B28:433–439
 - paleomagnetism, 154A8:353–354, 360–361, 364–365
 - physical properties, 154A8:363–365, 367–369, 371–380
 - rock magnetism, 154B10:169–179
 - sedimentation rates, 154A8:355, 367–368; 154B9:465–473
 - silica, 154B9:483–490
 - site description, 154A8:337–417
 - summary and conclusions, 154A8:390–391, 393, 395
- Site 930
 - biostratigraphy, 155A6:96, 98–100; 155B38:581
 - core-seismic integration, 155A6:110, 112, 114–115
 - coring, 155A6:91
 - grain size, 155B3:37
 - in situ temperature measurements, 155A6:115–116
 - inorganic geochemistry, 155A6:104–106, 108
 - isotope stratigraphy, 155B16:283
 - lithostratigraphy, 155A6:91–96
 - operations, 155A6:90–91
 - organic geochemistry, 155A6:103–104
 - paleomagnetism, 155A6:100, 102–103
 - physical properties, 155A6:108–110
 - setting and objectives, 155A6:88, 90
 - site description, 155A6:87–122
 - synthesis and significance, 155A6:116–120
- Site 931
 - biostratigraphy, 155A7:131–132, 136–138; 155B38:581–582
 - clay mineralogy, 155B9:187–189
 - core-seismic integration, 155A7:160–163
 - coring, 155A7:126
 - electron microprobe data, 155B7:148–149
 - grain size, 155B3:37
 - in situ temperature measurements, 155A7:163
 - inorganic geochemistry, 155A7:140–141
 - isotope stratigraphy, 155B16:283
 - lithofacies, 155B2:13–15
 - lithostratigraphy, 155A7:125–131
 - operations, 155A7:125
 - organic geochemistry, 155A7:138, 140
 - paleomagnetism, 155A7:138
 - physical properties, 155A7:141, 144–146, 148
 - setting and objectives, 155A7:124–125
 - site description, 155A7:123–174
 - synthesis and significance, 155A7:163–166
 - well-logging, 155A7:148, 150, 153, 155–160
- Site 932
 - biostratigraphy, 155A8:183, 185–188; 155B38:582
 - core-seismic integration, 155A8:195–196
 - coring, 155A8:177
 - in situ temperature measurements, 155A8:196
 - inorganic geochemistry, 155A8:190–193
 - isotope stratigraphy, 155B16:283–284
 - lithostratigraphy, 155A8:178–183
 - magnetic intensity, 155B12:238
 - operations, 155A8:176–177
 - organic carbon, 155B33:532–533
 - organic geochemistry, 155A8:189–190; 155B31:507–511
 - oxygen isotopes, 155B17:317
 - paleomagnetism, 155A8:188–189
 - phenols, 155B32:526
 - setting and objectives, 155A8:176
 - site description, 155A8:175–199
 - stable isotopes, 155B17:305–318
 - synthesis and significance, 155A8:196–197
- Site 933
 - biostratigraphy, 155A9:209–213; 155B38:582
 - core-seismic integration, 155A9:228–230
 - coring, 155A9:204
 - grain size, 155B3:37–38
 - in situ temperature measurements, 155A9:230
 - inorganic geochemistry, 155A9:217–219
 - isotope stratigraphy, 155B16:284–285
 - lithostratigraphy, 155A9:204–209
 - operations, 155A9:202, 204
 - organic geochemistry, 155A9:215–217
 - oxygen isotopes, 155B20:358–359
 - paleomagnetism, 155A9:213
 - physical properties, 155A9:219–222
 - setting and objectives, 155A9:202
 - shore-based log processing, 155A9:235
 - site description, 155A9:201–239
 - stable isotopes, 155B17:305–318; 19:335–351
 - synthesis and significance, 155A9:230, 232–234
 - well-logging, 155A9:222–228

Site 934

bacteria, 155B36:565–571
biostratigraphy, 155A10:249–250, 254–255;
155B38:582
clay mineralogy, 155B9:184–187
coring, 155A10:244
in situ temperature measurements, 155A10:264–265
inorganic geochemistry, 155A10:260–261
isotope stratigraphy, 155B16:285
lithostratigraphy, 155A10:244–249
operations, 155A10:243–244
organic geochemistry, 155A10:256, 259–260
paleomagnetism, 155A10:255–256
physical properties, 155A10:261–262
setting and objectives, 155A10:242–243
shore-based log processing, 155A10:270
site description, 155A10:241–271
synthesis and significance, 155A10:265–266
well-logging, 155A10:262–264

Site 935

biostratigraphy, 155A11:281, 286–291; 155B38:582–
583
core-seismic integration, 155A11:305–307
coring, 155A11:276
grain size, 155B3:38
in situ temperature measurements, 155A11:307–308
inorganic geochemistry, 155A11:295–297
isotope stratigraphy, 155B16:285
lithofacies, 155B2:15–16
lithostratigraphy, 155A11:276–281
operations, 155A11:275–276
organic geochemistry, 155A11:293–295
paleomagnetism, 155A11:291–293
physical properties, 155A11:297–302
setting and objectives, 155A11:274–275
shore-based log processing, 155A11:315
site description, 155A11:273–319
synthesis and significance, 155A11:308–314
well-logging, 155A11:302, 304–305

Site 936

biostratigraphy, 155A12:339–343; 155B38:583–584
core-seismic integration, 155A12:360, 362
coring, 155A12:324
electron microprobe data, 155B7:149
grain size, 155B3:38–39
in situ temperature, 155A12:362
inorganic geochemistry, 155A12:347–350
isotope stratigraphy, 155B16:285
lithofacies, 155B2:16–20
lithostratigraphy, 155A12:324–339
operations, 155A12:323–324
organic geochemistry, 155A12:345–347
paleomagnetism, 155A12:343, 345
physical properties, 155A12:350–352, 354
setting and objectives, 155A12:322–323
site description, 155A12:321–382
stable isotopes, 155B19:335–351
synthesis and significance, 155A12:362–367
well-logging, 155A12:354–355, 358, 360

Site 937

biostratigraphy, 155A13:394–395; 155B38:584–585

coring, 155A13:387
correlation, 155B15:272
in situ temperature measurements, 155A13:402–403
inorganic geochemistry, 155A13:398–400
isotope stratigraphy, 155B16:285–286
lithostratigraphy, 155A13:386–394
operations, 155A13:385–386
organic geochemistry, 155A13:398
paleomagnetism, 155A13:395, 397–398
physical properties, 155A13:400–402
setting and objectives, 155A13:384–385
site description, 155A13:383–408
synthesis and significance, 155A13:403, 405

Site 938

biostratigraphy, 155A14:419–422; 155B38:585
core-seismic integration, 155A14:429–431
coring, 155A14:412
correlation, 155B15:272
in situ temperature measurements, 155A14:431–432
inorganic geochemistry, 155A14:424
isotope stratigraphy, 155B16:286
lithostratigraphy, 155A14:411–419
operations, 155A14:411
organic geochemistry, 155A14:423–424
paleomagnetism, 155A14:422–423
physical properties, 155A14:426–429
setting and objectives, 155A14:410–411
site description, 155A14:409–436
synthesis and significance, 155A14:433–434

Site 939

biostratigraphy, 155A15:445–447; 155B38:585
coring, 155A15:440
correlation, 155B15:272
grain size, 155B3:39
in situ temperature measurements, 155A15:454
inorganic geochemistry, 155A15:449–453
iron sulfides, 155B37:573
isotope stratigraphy, 155B16:286
lithostratigraphy, 155A15:440–445
operations, 155A15:440
organic geochemistry, 155A15:448–449
paleomagnetism, 155A15:447–448
physical properties, 155A15:453–454
setting and objectives, 155A15:438–440
site description, 155A15:437–461
synthesis and significance, 155A15:455, 457–458

Site 940

bacteria, 155B36:565–571
biostratigraphy, 155A16:472–474; 155B38:585
core-seismic integration, 155A16:486–487
coring, 155A16:466
grain size, 155B3:39
in situ temperature measurements, 155A16:487
inorganic geochemistry, 155A16:475–476, 478
isotope stratigraphy, 155B16:286
lithostratigraphy, 155A16:466–472
operations, 155A16:464–466
organic geochemistry, 155A16:475
paleomagnetism, 155A16:474–475
palynomorphs, 155B24:397–409

- physical properties, 155A16:479, 481–482;
155B26:427–430
- setting and objectives, 155A16:464
- site description, 155A16:463–501
- synthesis and significance, 155A16:487–491
- well-logging, 155A16:482, 484–485
- Site 941
 - biostratigraphy, 155A17:512–513, 517–519;
155B38:585
 - core-seismic integration, 155A17:524–525
 - coring, 155A17:506
 - grain size, 155B3:39–40
 - in situ temperature measurements, 155A17:525–526
 - inorganic geochemistry, 155A17:520–521
 - isotope stratigraphy, 155B16:286–287
 - lithostratigraphy, 155A17:506–512
 - mass transport deposits, 155B28:465–475
 - operations, 155A17:505–506
 - organic geochemistry, 155A17:519–520
 - paleomagnetism, 155A17:519
 - physical properties, 155A17:521–522, 524;
155B28:468
 - setting and objectives, 155A17:504–505
 - site description, 155A17:503–536
 - synthesis and significance, 155A17:526, 528–529
- Site 942
 - biostratigraphy, 155A18:549–550; 155B38:585–586
 - channel-levee system, 155B41:659–660
 - core-seismic integration, 155A18:561–563
 - coring, 155A18:541
 - correlation, 155B15:272
 - in situ temperature measurements, 155A18:563–564
 - inorganic geochemistry, 155A18:557–558
 - isotope stratigraphy, 155B16:287
 - lithostratigraphy, 155A18:541–549
 - operations, 155A18:539–541
 - organic carbon, 155B33:532–533
 - organic geochemistry, 155A18:555–557; 155B31:508–
509, 511–513, 515
 - paleomagnetism, 155A18:550, 552–555
 - physical properties, 155A18:559–561
 - setting and objectives, 155A18:538–539
 - site description, 155A18:537–567
 - synthesis and significance, 155A18:564–566
- Site 943
 - biostratigraphy, 155A19:578–579; 155B38:586
 - core-seismic integration, 155A19:586–587
 - coring, 155A19:571
 - grain size, 155B3:40
 - inorganic geochemistry, 155A19:583–584
 - isotope stratigraphy, 155B16:287
 - lithostratigraphy, 155A19:571–578
 - operations, 155A19:570–571
 - organic geochemistry, 155A19:579, 582–583
 - paleomagnetism, 155A19:579
 - physical properties, 155A19:584–586
 - setting and objectives, 155A19:569–570
 - site description, 155A19:569–589
 - synthesis and significance, 155A19:587–589
- Site 944
 - biostratigraphy, 155A20:605–606; 155B38:586–587
 - core-seismic integration, 155A20:620–621
 - coring, 155A20:594
 - electron microprobe data, 155B7:149–150
 - grain size, 155B3:40
 - in situ temperature measurements, 155A20:621–622
 - inorganic geochemistry, 155A20:610–612
 - iron sulfides, 155B37:573
 - isotope stratigraphy, 155B16:287
 - lithofacies, 155B2:20, 24
 - lithostratigraphy, 155A20:594–605
 - operations, 155A20:593–594
 - organic geochemistry, 155A20:608, 610
 - paleomagnetism, 155A20:606–608
 - palynomorphs, 155B24:397–409
 - physical properties, 155A20:612, 614
 - setting and objectives, 155A20:592–593
 - site description, 155A20:591–633
 - synthesis and significance, 155A20:622–627
 - well-logging, 155A20:614–615, 617–619
- Site 945
 - biostratigraphy, 155A21:646–648; 155B38:587
 - coring, 155A21:638
 - grain size, 155B3:40
 - inorganic geochemistry, 155A21:650–651
 - isotope stratigraphy, 155B16:287
 - lithostratigraphy, 155A21:637–646
 - operations, 155A21:636–637
 - organic geochemistry, 155A21:649–650
 - paleomagnetism, 155A21:648–649
 - physical properties, 155A21:651–653
 - setting and objectives, 155A21:635–636
 - site description, 155A21:635–655
 - synthesis and significance, 155A21:653–654
- Site 946
 - biostratigraphy, 155A22:666–670; 155B38:587
 - core-seismic integration, 155A22:682
 - coring, 155A22:659
 - grain size, 155B3:41
 - in situ temperature measurements, 155A22:682–683
 - inorganic geochemistry, 155A22:674–675
 - isotope stratigraphy, 155B16:287
 - lithofacies, 155B2:24, 27
 - lithostratigraphy, 155A22:659–666
 - operations, 155A22:658–659
 - organic geochemistry, 155A22:671, 673
 - paleomagnetism, 155A22:670–671
 - palynomorphs, 155B24:397–409
 - physical properties, 155A22:675–679; 155B26:430–
432
 - setting and objectives, 155A22:658
 - site description, 155A22:657–693
 - synthesis and significance, 155A22:682–683
 - well-logging, 155A22:679–682
- Site 947
 - background and scientific objectives, 156A5:71–72
 - downhole logging, 156A5:73–76
 - non-décollement site, 156B23:298–299
 - operations, 156A5:72–73
 - site description, 156A5:71–86
 - well-logging, 156A5:73–76

Site 948

acoustic anisotropy, 156B8:118–119
 background and scientific objectives, 156A6:89–90
 biostratigraphy, 156A6:129–131
 calcareous nannofossil biostratigraphy, 156B3:50, 53
 clay mineralogy, 156B1:9–10
 core physical properties, 156A6:150–160
 coring, 156A6:92
 downhole logging, 156A6:160–164
 fluid pressure, 156B17:232–234
 geochemical anomalies, 156B17:236
 geochemistry, 156B12:165–167, 171, 173
 heat flow, 156A6:164–167
 inorganic geochemistry, 156A6:144–150
 lithostratigraphy, 156A6:98–108
 low fluid content site, 156B23:299–300
 magnetic anisotropy, 156B6:101–103
 operations, 156A6:90–98
 organic geochemistry, 156A6:137–144
 packer experiments, 156A6:169–171
 paleomagnetism, 156A6:131–137
 permeability, 156B15:207–209
 porosity, 156B10:142–145
 radiolarians, 156B2:33–36
 sedimentology, 156A6:98–108
 shore-based log processing, 156A6:175, 184
 site description, 156A6:87–192
 structural geology, 156A6:108–129
 tectonics and hydrology, 156B17:236
 temperature, 156B18:239–245
 vertical seismic profiles, 156A6:167–169
 well-logging while drilling, 156B16:219–227

Site 949

acoustic anisotropy, 156B8:119–120
 background and scientific objectives, 156A7:194
 biostratigraphy, 156A7:215, 217–220
 calcareous nannofossil biostratigraphy, 156B3:53–54
 clay mineralogy, 156B1:10
 core data, 171A_A5:58–59
 core physical properties, 156A7:237–238, 240–244
 coring, 156A7:197
 geochemical data, 171A_A5:74
 geochemistry, 156B12:167–169; 13:173
 heat flow, 156A7:244–246
 incipient décollement site, 156B23:300
 inorganic geochemistry, 156A7:227, 229–235, 237
 lithologic units, 171A_A5:60, 62
 lithostratigraphy, 156A7:202–205
 magnetic anisotropy, 156B6:103
 operations, 156A7:194–202
 organic geochemistry, 156A7:221, 225–227
 packer experiments, 156A7:253–256
 paleomagnetism, 156A7:220–221
 permeability, 156B15:209–211
 pressure and temperature, 156B19:247–252
 radiolarians, 156B2:36
 sedimentology, 156A7:202–205
 seismic velocity, 171A_A5:56
 site description, 156A7:193–257
 structural geology, 156A7:205–215
 vertical seismic profiles, 156A7:246, 249–252

volcanic ash, 156B28:343–351
 well-log units, 171A_A4:48
 wet-bulk density, 171A_A5:72

Site 950

background and objectives, 157A4:52
 biostratigraphy, 157A4:70–75; 157B29:503–505
 chemostratigraphy, 157B31:535–558
 coring summary, 157A4:56–59
 diagenesis, 157B33:573–580
 downhole measurements, 157A4:81–87
 inorganic geochemistry, 157A4:77–78
 lithostratigraphy, 157A4:55, 59–70
 mass accumulation rates, 157A4:87, 89
 operations, 157A4:53, 55
 organic geochemistry, 157A4:78–80
 oxidation fronts, 157B32:559–571
 paleomagnetism, 157A4:75–77
 physical properties, 157A4:80–81
 sedimentation, 157B30:523–531
 seismic units, 157B28:476–478
 shore-based log processing, 157A4:95
 silica, 157B36:609–612
 site description, 157A4:51–104
 underway geophysics, 157A4:52–53

Site 951

background and objectives, 157A5:106
 biostratigraphy, 157A5:114, 118–121; 157B29:505–507
 coring, 157A5:109–112
 diagenesis, 157B33:573–580
 inorganic geochemistry, 157A5:123–125
 lithostratigraphy, 157A5:108, 112–114
 magnetization, 157B5:48
 operations, 157A5:107–108
 organic geochemistry, 157A5:125–126
 organic matter, 157B34:581–589; 35:591–607
 paleomagnetism, 157A5:121–123
 physical properties, 157A5:126–131
 sediment accumulation rates, 157A5:131–132
 sedimentation, 157B30:523–531; 38:627
 seismic profiles, 157A5:107
 seismic units, 157B28:476–478
 site description, 157A5:105–134
 underway geophysics, 157A5:106–107

Site 952

background and objectives, 157A6:136
 biostratigraphy, 157A6:147–152; 157B29:507–508
 diagenesis, 157B33:573–580
 downhole measurements, 157A6:160–164
 inorganic geochemistry, 157A6:154–156
 lithostratigraphy, 157A6:138, 143–147
 operations, 157A6:136–138
 organic geochemistry, 157A6:156–157, 165–166, 169
 organic matter, 157B34:581–589; 35:591–607
 paleomagnetism, 157A6:152–154
 physical properties, 157A6:157–160
 sediment accumulation rates, 157A6:164–165
 sedimentation, 157B30:523–531; 38:627
 seismic units, 157B28:476–478
 silica, 157B36:609–612
 site description, 157A6:135–178

Site 953

alteration, 157B26:429–439
ash fall layers, 157B14:205–207
background and objectives, 157A7:319–320
biostratigraphy, 157A7:341–347; 157B8:83–96; 9:98–102; 10:115–124
downhole measurements, 157A7:363, 365–372
inclusions, 157B22:375–401; 23:403–410
inorganic geochemistry, 157A7:355–358
lithostratigraphy, 157A7:320, 329–341; 157B12:156
magnetostratigraphy, 157B9:100; 10:117–118
mass accumulation rates, 157A7:372
operations, 157A7:320
organic geochemistry, 157A7:358–359
paleoceanography, 157B7:73–82
paleomagnetism, 157A7:347, 349–351; 157B6:57–69
physical properties, 157A7:359, 362–363
planktonic foraminifers age, 157B10:122
sedimentation, 157B13:183–200; 17:293–313
seismic reflection, 157B1:3–9; 2:11–27
seismic stratigraphy, 157A7:372–375
sideromelane, 157B25:421–428
site description, 157A7:317–394
volatiles, 157B24:412
volcaniclastics, 157A7:351, 353–355; 157B3:29–37; 27:451

Site 954

alteration, 157B26:429–439
background and objectives, 157A8:396–397
biostratigraphy, 157A8:407–412; 157B9:102–104; 10:115–124
in situ temperature, 157A8:424
inorganic geochemistry, 157A8:415, 417–419
lithostratigraphy, 157A8:397–398, 402–407; 157B12:161
magnetostratigraphy, 157B5:49–50; 6:57–69; 10:119
mass accumulation rates, 157A8:422–424
operations, 157A8:397
organic geochemistry, 157A8:419–420
paleomagnetism, 157A8:412–414
physical properties, 157A8:420–422
sedimentation, 157B17:293–313
seismic reflection, 157B2:11–27
sideromelane, 157B25:421–428
site description, 157A8:395–431
underway geophysics, 157A8:397
volcaniclastics, 157A8:414–415; 157B27:451

Site 955

ash fall layers, 157B14:207–209
background and objectives, 157A9:434–435
biostratigraphy, 157A9:449–453; 157B9:104–107
downhole measurements, 157A9:464–468
in situ temperature, 157A9:468–470
inorganic geochemistry, 157A9:457–459
lithostratigraphy, 157A9:437, 443–449
mass accumulation rates, 157A9:468
operations, 157A9:436–437
organic geochemistry, 157A9:459–461; 10:545
organic matter, 157B21:361–372
paleomagnetism, 157A9:453–454
physical properties, 157A9:461–464

production capacity, 157A10:545
sedimentation, 157B20:343–360
site description, 157A9:433–496
underway geophysics, 157A9:435–436
volcaniclastics, 157A9:454, 456–457; 157B3:29–37; 27:451

Site 956

alteration, 157B26:429–439
ash fall layers, 157B14:209–211
background and objectives, 157A10:498–499
biostratigraphy, 157A10:515–520; 157B9:108–110
coring summary, 157A10:502–507
downhole measurements, 157A10:530–533
Formation MicroScanner imagery logs, 157B4:39–46
in situ temperature, 157A10:534
inclusions, 157B22:375–401; 23:403–410
inorganic geochemistry, 157A10:523
lithostratigraphy, 157A10:501, 507–515; 157B12:161
mass accumulation rates, 157A10:533–534
operations, 157A10:501
organic geochemistry, 157A10:523, 525
organic matter, 157B21:361–372
paleomagnetism, 157A10:520
physical properties, 157A10:525, 527–530
sedimentation, 157B20:343–360
sideromelane, 157B25:421–428
site description, 157A10:497–557
underway geophysics, 157A10:499–500
volatiles, 157B24:412–413
volcaniclastics, 157A10:520–521, 523; 157B3:29–37; 27:451

Site 957

clay minerals, 158B20:277–278
fluid geochemistry, 158A7:123–124, 126–127; 8:168–169, 173–174
geochemistry, 158B2:27–39
hydrothermal alteration, 158A7:104–109, 113–114; 8:160–163; 10:193–199; 11:219–220; 158B1:6–7; 19:256–257
hydrothermal fields, 158A1:9
igneous geochemistry, 158A8:163; 10:200
igneous petrology, 158A8:163; 10:199–200
operations, 158A6:55–62
paleomagnetism, 158A7:120–123; 8:166–168; 10:201–202; 11:221–223
physical properties, 158A7:114–120; 8:163–166; 9:172–173; 10:200–201; 11:220–221
site description, 158A7:65–140; 8:141–169; 9:171–174; 10:175–207; 11:209–223
stratigraphy, 158A7:67–68; 8:142–144; 10:177–178; 11:210–212; 158B18:232–236
structural data, 158A7:110–112
sulfide geochemistry, 158A7:93–94, 97–98; 8:155–156, 158; 9:172; 10:189–191; 11:216–219
sulfide petrology, 158A7:68–93, 95–96, 98–114; 8:144–155, 157, 160–169; 9:171–172; 10:178–189, 191–193; 11:212–216, 219
See also TAG-1 area; TAG-2 area; TAG-3 area; TAG-4 area; TAG-5 area

Site 959

background and objectives, 159A5:67–68

- benthic foraminifers, 159B28:348–349; 30:375–411; 44:605–610
- biostratigraphy, 159A5:87–93; 159B24:255–257, 260–261; 25:278–285; 35:482–484; 39:533–538
- calcareous nannofossils, 159B26:320–323; 32:414–417; 37:510–513
- calcite veins, 159B8:71–79
- coring summary, 159A5:70–71
- downhole measurements, 159A5:116–123
- geochronology, 159B4:35–41
- geophysics, 159A5:72–74
- in situ stress, 159B21:209–223
- inorganic geochemistry, 159A5:108–112; 9:310–311
- lithostratigraphy, 159A5:74–87; 159B7:54
- magnetic fabric, 159B19:189–197
- marginal ridges, 159B9:84–86
- Miocene–Pliocene hydrography, 159B40:539–555
- operations, 159A5:68–69, 71–72
- organic geochemistry, 159A5:102–103, 105–108; 9:310
- osmium isotopes, 159B18:181–186
- ostracodes, 159B38:525–531
- paleoenvironment, 159B18:181–488; 35:585–603
- paleomagnetism, 159A5:93–95; 159B20:201–204
- palygorskite clays, 159B15:144
- physical properties, 159A5:112–116; 159B22:227–233; 23:241–249
- planktonic foraminifers, 159B27:335; 34:449–457
- Pliocene–Pleistocene paleoceanography, 159B42:575–583
- Pliocene–Pleistocene paleoenvironment, 159B41:557–574
- radiolarians, 159B29:364, 366–367
- sedimentation rates, 159A5:95–96
- silicoflagellates, 159B36:493–508
- site description, 159A5:65–150
- site geophysics, 159A5:72–74
- source-rock geochemistry, 159A5:108
- structural geology, 159A5:96–101; 159B1:4–5; 2:14
- thermal diagenesis, 159B7:54, 57–62
- upper Albian, 159B13:126
- well-logging, 159B17:171–179
- Site 960
- background and objectives, 159A6:156
- biostratigraphy, 159A6:177–182; 159B24:257, 260–261; 25:285–287; 26:321–324; 28:348–349; 32:417–421; 33:433–444; 35:484–485; 37:513–515; 44:605–610
- calcite veins, 159B8:71–79
- chrome spinels, 159B14:133–139
- downhole measurements, 159A6:200–204
- fluid inclusions, 159B6:49–52
- geochronology, 159B4:35–41
- inorganic geochemistry, 159A6:192–195
- lithostratigraphy, 159A6:161–177; 159B7:54–55
- magnetic fabric, 159B19:189–197
- marginal ridges, 159B9:86–87
- master column, 159A6:152–155
- operations, 159A6:158–160
- organic geochemistry, 159A6:188–192
- ostracodes, 159B38:525–531
- paleoenvironment, 159B35:488
- paleomagnetism, 159A6:182–184; 159B20:202, 204–205
- palygorskite clays, 159B15:144–146
- physical properties, 159A6:195–200; 159B22:233–234
- planktonic foraminifers, 159B27:335–336; 34:457–462
- sedimentation rates, 159A6:184
- site description, 159A6:151–215
- site geophysics, 159A6:160–161
- source-rock geochemistry, 159A6:192
- structural geology, 159A6:184–188; 159B1:5–6; 2:14, 16
- thermal diagenesis, 159B7:54–55, 58, 63
- thermal history, 159B5:43–48
- upper Albian, 159B13:126–127
- Site 961
- background and objectives, 159A7:220–222
- biostratigraphy, 159A7:234–238; 159B24:257–258, 260–261; 25:285, 288–289; 32:421, 424; 34:457, 462–464; 35:485; 37:515; 44:605–610
- inorganic geochemistry, 159A7:243–245
- lithostratigraphy, 159A7:225–234; 159B7:55
- operations, 159A7:222–224
- organic geochemistry, 159A7:241–243
- paleomagnetism, 159A7:238
- palygorskite clays, 159B15:146–147
- physical properties, 159A7:245–247
- site description, 159A7:217–249
- site geophysics, 159A7:224
- source rock geochemistry, 159A7:243
- structural geology, 159A7:238–241; 159B1:6; 2:16
- thermal diagenesis, 159B7:55, 58–59
- thermal history, 159B5:45–47; 7:63–64
- upper Albian, 159B13:127
- Site 962
- background and objectives, 159A8:253–257
- benthic foraminifers, 159B28:348–352; 44:605–610
- biostratigraphy, 159A8:270–274; 159B24:258–259, 261; 25:285, 287, 290–291; 35:485–487
- calcareous nannofossils, 159B26:324–326; 37:515–516
- calcite veins, 159B8:71–79
- coring, 159A8:260
- inorganic geochemistry, 159A8:284–286
- lithostratigraphy, 159A8:261–270; 159B7:55
- operations, 159A8:257–260
- organic geochemistry, 159A8:281–284
- paleoenvironment, 159B35:488
- paleomagnetism, 159A8:274–276
- palygorskite clays, 159B15:147–148
- physical properties, 159A8:286–290; 159B22:234–236
- planktonic foraminifers, 159B27:336–337; 34:462, 464–465
- radiolarians, 159B29:363–373
- sedimentation rates, 159A8:276–277
- site description, 159A8:251–294
- site geophysics, 159A8:260–261
- source rock geochemistry, 159A8:284
- structural geology, 159A8:277–281; 159B2:6–7; 2:16–17

- thermal diagenesis, 159B7:55, 59, 64–65
- upper Albian, 159B13:127
- Site 963
 - background and objectives, 160A4:56
 - biostratigraphy, 160A4:60–63; 160B8:102
 - composite depths, 160A4:64, 66
 - geological setting, 160A4:56–58
 - inorganic geochemistry, 160A4:67, 69
 - lithostratigraphy, 160A4:59–60
 - magnetostratigraphy, 160B5:63–64
 - operations, 160A4:58
 - organic geochemistry, 160A4:69–71
 - oxygen isotopes, 160B13:168–172
 - paleomagnetism, 160A4:63
 - physical properties, 160A4:71–73
 - sedimentation rates, 160A4:62–63
 - site description, 160A4:55–84
 - structural geology, 160A4:63–64
 - summary and conclusions, 160A4:73, 75–76, 78
- Site 964
 - background and objectives, 160A5:86–87
 - biostratigraphy, 160A5:100–102; 160B12:155–165
 - composite depths, 160A5:106, 108
 - geological setting, 160A5:87–88
 - inorganic geochemistry, 160A5:108, 110, 113
 - lithostratigraphy, 160A5:90–100
 - magnetostratigraphy, 160B5:64–66
 - normal faults, 160B49:645–661
 - operations, 160A5:88–89
 - organic geochemistry, 160A5:113, 115–117
 - oxygen isotopes, 160B13:169, 172–176
 - paleoclimatology, 160B18:219–248
 - paleomagnetism, 160A5:103–104
 - physical properties, 160A5:117–118
 - sapropels, 160B2:32; 16:199–217; 22:271–283; 26:309–331
 - sedimentary sequences, 160B4:41–45
 - sedimentation rates, 160A5:102–103
 - site description, 160A5:85–123
 - structural geology, 160A5:104–106
 - summary and conclusions, 160A5:118, 120
- Site 965
 - background and objectives, 160A6:125–126
 - biostratigraphy, 160A6:132–135; 160B7:85–86; 10:129–130
 - carbonate geochemistry, 160B35:447–451
 - coring summary, 160A6:128
 - downhole measurements, 160A6:141–142
 - geological setting, 160A6:126–127
 - lithostratigraphy, 160A6:129–132; 160B38:487, 489–490; 40:519
 - Messinian, 160B36:458
 - Miocene carbonates, 160B33:420
 - normal faults, 160B49:645–661
 - operations, 160A6:128
 - organic geochemistry, 160A6:136–137
 - paleoenvironment, 160B36:453–463
 - paleomagnetism, 160A6:135–136
 - physical properties, 160A6:137–141
 - sedimentation rates, 160A6:135
 - site description, 160A6:125–153
 - structural geology, 160A6:136; 160B40:517–526
 - summary and conclusions, 160A6:142–143
 - tectonics, 160B41:527–534
 - temperature, 160A9:317–318
- Site 966
 - acoustic properties, 160B42:535–543
 - background and objectives, 160A7:156–157
 - biostratigraphy, 160A7:164, 170, 173–176; 160B7:86–89; 10:130; 30:377–394
 - composite depths, 160A7:182–183, 185
 - downhole measurements, 160A7:192, 194–196
 - Eocene–Upper Cretaceous interval, 160B31:395–396
 - geological setting, 160A7:157
 - inorganic geochemistry, 160A7:185–188
 - lithostratigraphy, 160A7:160–164; 160B32:403; 38:485–487, 489; 40:519
 - magnetostratigraphy, 160B5:66–68
 - mass flow deposits, 160B37:465–481
 - Messinian, 160B36:458–459
 - Miocene carbonates, 160B33:420–421
 - normal faults, 160B49:645–661
 - operations, 160A7:157–159
 - organic geochemistry, 160A7:188–190
 - paleoclimatology, 160B19:227–248
 - paleoenvironment, 160B38:483–508
 - paleomagnetism, 160A7:177–179; 160B6:75–82
 - photosynthetic pigments, 160B24:297–302
 - physical properties, 160A7:190–192
 - sapropels, 160B3:32; 23:285–295
 - sedimentary sequences, 160B4:45; 32:403
 - sedimentation rates, 160A7:176–177
 - site description, 160A7:155–213
 - structural geology, 160A7:179–182; 160B40:517–526
 - subsidence, 160B39:509–515
 - summary and conclusions, 160A7:196–199
 - tectonics, 160B41:527–534
 - temperature, 160A9:318–319
- Site 967
 - acoustic properties, 160B42:535–543
 - background and objectives, 160A8:216–217
 - biostratigraphy, 160A8:224–231; 160B2:11, 13; 7:89–92; 10:130–131; 30:377–394
 - composite depths, 160A8:242–244, 246
 - coring summary, 160A8:221
 - downhole measurements, 160A8:255, 258–263
 - Eocene–Upper Cretaceous, 160B31:396–397
 - geological setting, 160A8:217–218
 - high-resolution magnetic measurements, 160B6:75–82
 - inorganic geochemistry, 160A8:246–247, 249–250
 - isotope stratigraphy, 160B30:377–394
 - lithostratigraphy, 160A8:220–224; 160B32:403; 38:488–492; 40:519
 - magnetostratigraphy, 160B5:68–71
 - Messinian, 160B36:457–458
 - Miocene/Pliocene boundary, 160B2:9–28
 - normal faults, 160B49:645–661
 - operations, 160A8:218–219
 - organic geochemistry, 160A8:250–252
 - paleoceanography, 160B9:113–123
 - paleoclimatology, 160B19:227–248

- paleoenvironment, 160B36:453–463; 38:483–508
- paleomagnetism, 160A8:233–234
- physical properties, 160A8:252, 254–255
- sapropels, 160B3:32; 14:181–189; 15:191–197;
16:199–217; 20:249–259; 26:309–331
- sedimentary sequences, 160B4:45–47
- sedimentation rates, 160A8:231, 233
- site description, 160A8:215–287
- site geophysics, 160A8:219–220
- structural geology, 160A8:234–235, 238–242;
160B40:517–526
- subsidence, 160B39:509–515
- summary and conclusions, 160A8:263–267
- tectonics, 160B41:527–534
- temperature, 160A9:320
- Site 968
 - background and objectives, 160A9:290
 - biostratigraphy, 160A9:298–303; 160B7:92–93
 - composite depths, 160A9:310
 - downhole measurements, 160A9:321–324
 - geological setting, 160A9:290–291
 - heat flow, 160A9:317–320
 - lithostratigraphy, 160A9:293–298
 - magnetostratigraphy, 160B5:71
 - Messinian nonmarine deposition, 160B34:437–445
 - operations, 160A9:291–293
 - organic geochemistry, 160A9:313
 - paleomagnetism, 160A9:303–304
 - physical properties, 160A9:313–314, 316–317
 - sedimentation rates, 160A9:303
 - sedimentology, 160B1:3–4
 - site description, 160A9:289–333
 - site geophysics, 160A9:293
 - structural geology, 160A9:304–310
 - summary and conclusions, 160A9:324–326
 - temperature, 160A9:320
- Site 969
 - background and objectives, 160A10:336
 - bacterial populations, 160B25:303–307
 - biostratigraphy, 160A10:344, 348, 351–355;
160B2:13–17; 8:101; 10:131; 11:137–154
 - composite depths, 160A10:362–363
 - geological setting, 160A10:336–337
 - heat flow, 160A10:373–374
 - inorganic geochemistry, 160A10:363, 366–367
 - lithostratigraphy, 160A10:338–344
 - magnetostratigraphy, 160B5:71
 - Miocene/Pliocene boundary, 160B2:9–28
 - operations, 160A10:337–338
 - organic geochemistry, 160A10:367–371
 - paleoceanography, 160B9:113–123
 - paleoclimatology, 160B19:227–248
 - paleomagnetism, 160A10:356–357; 160B6:75–82
 - photosynthetic pigments, 160B24:297–302
 - physical properties, 160A10:371–373
 - sapropels, 160B3:32; 15:191–197; 16:199–206;
20:249–259; 21:261–269; 23:285–295;
161B31:401–411
 - sedimentary sequences, 160B4:47–49
 - sedimentation rates, 160A10:355–356
 - sedimentology, 160B1:5–6
 - site description, 160A10:335–375
 - site geophysics, 160A10:338
 - structural geology, 160A10:357–362
 - summary and conclusions, 160A10:374
- Site 970
 - background and objectives, 160A11:378
 - biostratigraphy, 160A11:385–387, 389–390
 - downhole measurements, 160A11:399
 - gas hydrates, 160B45:569–574
 - geological setting, 160A11:378–379
 - inorganic geochemistry, 160A11:390–394
 - lithostratigraphy, 160A11:381–385
 - mud volcanoes, 160B46:597–605; 47:607–624;
50:665–680
 - operations, 160A11:379–380
 - organic geochemistry, 160A11:394–396
 - paleomagnetism, 160A11:390
 - physical properties, 160A11:396–397; 160B48:625–
643
 - site description, 160A11:377–413
 - site geophysics, 160A11:380–381
 - summary and conclusions, 160A11:400–401
- Site 971
 - background and objectives, 160A12:416
 - biostratigraphy, 160A12:431–435
 - coring summary, 160A12:419
 - downhole measurements, 160A12:444–445
 - gas hydrates, 160B45:569–574
 - geological setting, 160A12:416–417
 - inorganic geochemistry, 160A12:435–437
 - lithostratigraphy, 160A12:420–431
 - mud volcanoes, 160B46:597–605; 47:607–624;
50:665–680
 - operations, 160A12:417–420
 - organic geochemistry, 160A12:437–439
 - paleomagnetism, 160A12:435
 - physical properties, 160A12:439, 441–444;
160B48:625–643
 - radiolarians and silicoflagellates, 160B11:137–154
 - sapropels, 160B28:349–363
 - site description, 160A12:415–450
 - site geophysics, 160A12:420
 - summary and conclusions, 160A12:445–446
- Site 972
 - background and objectives, 160A13:451
 - biostratigraphy, 160A13:454–458
 - geological setting, 160A13:451
 - heat flow, 160A13:461
 - lithostratigraphy, 160A13:452–454
 - magnetostratigraphy, 160B5:71
 - operations, 160A13:451–452
 - organic geochemistry, 160A13:459–460
 - physical properties, 160A13:460–461
 - sedimentation rates, 160A13:458
 - site description, 160A13:451–464
 - site geophysics, 160A13:452
 - structural geology, 160A13:458–459
 - summary and conclusions, 160A13:461
- Site 973
 - background and objectives, 160A14:466
 - biostratigraphy, 160A14:477–479

- composite depths, 160A14:484
- downhole measurements, 160A14:489–491
- geological setting, 160A14:466–467
- inorganic geochemistry, 160A14:484–485
- lithostratigraphy, 160A14:468–477
- magnetostratigraphy, 160B5:71–72
- operations, 160A14:467–468
- organic geochemistry, 160A14:485–487
- paleomagnetism, 160A14:479, 481
- physical properties, 160A14:487–489
- sedimentation rates, 160A14:479
- site description, 160A14:465–494
- site geophysics, 160A14:468
- structural geology, 160A14:481–484
- summary and conclusions, 160A14:491–492
- Site 974
 - background and objectives, 161A4:56–57
 - biostratigraphy, 161A4:64–73; 161B13:161–162;
15:198–202, 209–211
 - composite depths, 161A4:78–80
 - coring, 161A4:59
 - downhole measurements, 161A4:91–93
 - in situ temperature, 161A4:93
 - inorganic geochemistry, 161A4:82–83, 85, 87–89
 - lithostratigraphy, 161A4:58–64
 - Messinian paleoenvironment, 161B42:530–531
 - operations, 161A4:57–58
 - organic geochemistry, 161A4:81–82
 - paleomagnetism, 161A4:73–78; 161B9:111–116;
40:509
 - physical properties, 161A4:89–91
 - pore water, 161B33:424–426
 - porosity, 161B10:123–127
 - sand, 161B3:39, 46
 - sapropels, 161A1:15; 161B31:401–411; 41:520
 - sea-surface temperature, 161B39:489–503
 - sedimentation rates, 161B40:509
 - site description, 161A4:55–111
 - structural geology, 161A4:80–81
 - volcaniclastics, 161B12:137–156
- Site 975
 - background and objectives, 161A5:115
 - biostratigraphy, 161A5:132–137; 161B13:162–164;
14:185–195; 15:201–204, 206–213, 218–220;
16:228
 - circulation, 161A1:15
 - composite depths, 161A5:141
 - downhole measurements, 161A5:154
 - inorganic geochemistry, 161A5:144–146, 149–150
 - lithostratigraphy, 161A5:118–132
 - Messinian paleoenvironment, 161B42:531, 537
 - operations, 161A5:115–118
 - organic geochemistry, 161A5:142–144
 - paleoclimatology, 161B40:509–510
 - paleomagnetism, 161A5:137–140
 - petrology, 161B1:3–20
 - physical properties, 161A5:150–153; 161B10:125
 - pore water, 161B33:424–426
 - Quaternary paleoceanography, 161B35:441–455;
38:481–488; 40:505–518
 - sapropels, 161B41:520
- sea-surface temperature, 161B39:489–503
- site description, 161A5:113–177
- site geophysics, 161A5:154
- structural geology, 161A5:141–142
- Site 976
 - background and objectives, 161A6:181–184
 - bacteria, 161B34:433–438
 - basement, 161A6:209–230; 161B20:281–294
 - biostratigraphy, 161A6:197–204; 161B13:164–166;
14:185–195; 16:228–230
 - composite depths, 161A6:209
 - downhole measurements, 161A6:242–246
 - geochemistry, 161B28:375–379
 - geochronology, 161B21:295–305
 - inorganic geochemistry, 161A6:233–238
 - lithofacies, 161B2:21–36; 4:57–68
 - lithostratigraphy, 161A6:188–197; 161B7:84–85
 - metamorphic-rock correlation, 161B23:307–317
 - metamorphism, 161B18:251–261; 19:263–279
 - Miocene–Pleistocene succession, 161A1:15
 - operations, 161A6:184–188
 - organic geochemistry, 161A6:230, 232–233
 - paleomagnetism, 161A6:204–209; 161B9:111–116;
40:510–512
 - petrology, 161A6:212–217, 223–230
 - physical properties, 161A6:238–241
 - pore water, 161B33:424, 426–431
 - Quaternary paleoceanography, 161B35:441–455;
37:469–479; 40:505–518
 - Quaternary paleoenvironment, 161B36:457–468
 - sand, 161B3:39, 41, 46–50
 - sapropels, 161B41:520–521
 - sedimentary sequences, 161B5:69–75
 - site description, 161A6:179–297
 - site geophysics, 161A6:246–250
 - structural geology, 161A6:209–212, 217–223, 230;
161B24:319–329; 25:331–344
 - tectonics, 161B44:561–568
- Site 977
 - background and objectives, 161A7:300–302
 - bacteria, 161B34:433–438
 - biostratigraphy, 161A7:309, 311–313; 161B13:166–
168; 16:230–231
 - downhole measurements, 161A7:323, 328–329
 - inorganic geochemistry, 161A7:319–323
 - lithofacies, 161B2:21–36
 - lithostratigraphy, 161A7:304–309; 161B7:85–86
 - operations, 161A7:302–304
 - organic geochemistry, 161A7:318–319; 161B30:391–
400
 - paleomagnetism, 161A7:313–314, 316; 161B9:111–
116
 - physical properties, 161A7:323
 - pore water, 161B33:424, 426–431
 - postrift sediments, 161A1:15
 - Quaternary paleoceanography, 161B37:469–479
 - sand, 161B3:42, 46, 50
 - sapropels, 161B41:520–521
 - sedimentary sequences, 161B5:69–75
 - site description, 161A7:299–353
 - structural geology, 161A7:316, 318; 161B26:345–355

- subduction, 161B27:357–373
- tectonics, 161B44:568
- Site 978
 - background and objectives, 161A7:300–302; 8:356
 - bacteria, 161B34:433–438
 - biostratigraphy, 161A8:362–363, 365–367; 161B16:231
 - debris flows, 161B6:77–81
 - inorganic geochemistry, 161A8:378–381
 - lithostratigraphy, 161A8:357–362; 161B7:86
 - Messinian paleoenvironment, 161B42:537–538
 - operations, 161A8:356–357
 - organic geochemistry, 161A8:374–375, 377–378
 - paleomagnetism, 161A8:367, 369, 372–373
 - physical properties, 161A8:381
 - pore water, 161B33:424, 426–431
 - postrift sediments, 161A1:15
 - sand, 161B3:42, 46, 50
 - sedimentary sequences, 161B5:69–75
 - site description, 161A8:355–388
 - structural geology, 161A8:373–374; 161B26:345–355
 - subduction, 161B27:357–373
 - tectonics, 161B44:568
- Site 979
 - background and objectives, 161A9:390–391
 - biostratigraphy, 161A9:397–399; 161B13:168–169; 16:231–232
 - coring, 161A9:394
 - downhole measurements, 161A9:409
 - in situ temperature, 161A9:410
 - inorganic geochemistry, 161A9:403–408
 - lithostratigraphy, 161A9:393–397; 161B7:86
 - operations, 161A9:391, 393
 - organic geochemistry, 161A9:401, 403
 - paleomagnetism, 161A9:399
 - physical properties, 161A9:408–409
 - pore water, 161B33:424, 426–431
 - porosity, 161B10:125
 - sand, 161B3:42, 46, 50
 - sapropels, 161B41:520–521
 - sedimentary sequences, 161B5:69–75
 - site description, 161A9:389–426
 - structural geology, 161A9:399, 401; 161B26:345–355
 - syn-sedimentary folds, 161A1:15–16
 - tectonics, 161B44:570
- Site 980
 - magnetostratigraphy, 162B8:113
 - planktonic foraminifers, 162B2:21–22
- Site 981
 - magnetostratigraphy, 162B8:113–114
 - multisensor track data, 162B18:247–257
 - planktonic foraminifers, 162B2:21, 23
- Site 982
 - background and objectives, 162A4:93
 - biostratigraphy, 162A4:108–112
 - Bolboforma* biostratigraphy, 162B3:36–41
 - carbon isotopes, 177B(synthesis):16
 - composite depths, 162A4:94–101
 - coring, 162A4:94
 - glaciation, 162B12:179–190
 - inorganic geochemistry, 162A4:115–116
 - lithostratigraphy, 162A4:101, 104–108
 - magnetostratigraphy, 162B8:114
 - operations, 162A4:93–94
 - organic geochemistry, 162A4:113–115
 - paleomagnetism, 162A4:112
 - physical properties, 162A4:116, 118–121
 - planktonic foraminifers, 162B2:21–22, 24–26
 - sedimentation rates, 162A4:112–113
 - seismic stratigraphy, 162A4:124–129
 - silicoflagellate biostratigraphy, 162B5:66–67, 70–71
 - site description, 162A4:91–138
 - volcanic ash, 162B16:217–230
 - wireline-logging, 162A4:121–124
- Site 983
 - background and objectives, 162A5:140–141
 - biostratigraphy, 162A5:152–154
 - composite depths, 162A5:141–146
 - coring, 162A5:142
 - diatom biostratigraphy, 162B4:51–62
 - Emiliana huxleyi* percentage, 174A_B5:10
 - inorganic geochemistry, 162A5:157–158
 - lithostratigraphy, 162A5:142, 146, 149, 152
 - magnetostratigraphy, 162B8:114
 - operations, 162A5:141
 - organic geochemistry, 162A5:156–157
 - paleomagnetism, 162A5:154
 - physical properties, 162A5:158–160
 - planktonic foraminifers, 162B2:22, 27
 - sedimentation rates, 162A5:154, 156
 - sediments, 162B14:197–207
 - seismic stratigraphy, 162A5:160, 162–165
 - site description, 162A5:139–167
- Site 984
 - background and objectives, 162A6:170–171
 - biostratigraphy, 162A6:184, 186–189
 - carbonates, 162B13:191–194
 - composite depths, 162A6:173–178
 - coring, 162A6:172
 - inorganic geochemistry, 162A6:192–193, 195
 - lithostratigraphy, 162A6:173, 178, 181, 184
 - magnetic polarity and susceptibility, 162B20:265–269
 - magnetostratigraphy, 162B8:114
 - multisensor track data, 162B18:247–257
 - operations, 162A6:171–173
 - organic geochemistry, 162A6:191–192
 - paleomagnetism, 162A6:189
 - physical properties, 162A6:195, 197–201
 - planktonic foraminifers, 162B2:23–24, 28
 - sedimentation rates, 162A6:189–191
 - seismic stratigraphy, 162A6:204–208
 - site description, 162A6:169–222
 - wireline-logging, 162A6:201–204
- Site 985
 - background and objectives, 162A8:254–256
 - biostratigraphy, 162A8:268–269
 - carbonate content, 162B12:181
 - composite depths, 162A8:256–261
 - coring, 162A8:257
 - dinoflagellate biostratigraphy, 162B7:99–109
 - glaciation, 162B12:179–190
 - inorganic geochemistry, 162A8:274–276

- lithostratigraphy, 162A8:257, 261, 263, 265–268
- magnetic anomaly maps, 162A8:255
- magnetostratigraphy, 162B9:135–143
- Oligocene deep-water agglutinated foraminifers, 162B11:169–177
- operations, 162A8:256
- organic geochemistry, 162A8:271–274; 162B15:209–216
- paleomagnetism, 162A8:269–270
- physical properties, 162A8:276–277, 279
- planktonic foraminifers, 162B2:24, 29
- sedimentation rates, 162A8:270–271
- seismic stratigraphy, 162A8:279–280, 282–283
- site description, 162A8:253–285
- volcanic ash, 162B16:217–230
- Site 986
 - background and objectives, 162A9:288–290
 - biostratigraphy, 162A9:303–304; 162B1:3–17
 - composite depths, 162A9:292–296
 - coring, 162A9:291
 - dinoflagellates, 162B6:83–97
 - glacial fan deposits, 162B10:149–166
 - inorganic geochemistry, 162A9:308–310, 312
 - lithostratigraphy, 162A9:292, 296, 298, 300–303
 - magnetic polarity and susceptibility, 162B20:265–269
 - magnetostratigraphy, 162B10:150–151
 - operations, 162A9:290–292
 - organic geochemistry, 162A9:306–308
 - paleomagnetism, 162A9:304, 306
 - physical properties, 162A9:312–314, 316–317
 - planktonic foraminifers, 162B2:24, 27, 31
 - sedimentation, 162B17:233–246
 - sedimentation rates, 162A9:306
 - seismic stratigraphy, 162A9:320–325
 - site description, 162A9:287–343
 - wireline-logging, 162A9:317, 319–320
- Site 987
 - background and objectives, 162A10:347–348
 - biostratigraphy, 162A10:356–357
 - composite depths, 162A10:350–353
 - coring, 162A10:349
 - glacial fan deposits, 162B10:149–166
 - inorganic geochemistry, 162A10:361–363
 - lithostratigraphy, 162A10:350, 353, 355–356
 - magnetic polarity and susceptibility, 162B20:265–269
 - magnetostratigraphy, 162B10:151
 - operations, 162A10:348–350
 - organic geochemistry, 162A10:358–361
 - paleomagnetism, 162A10:357–358
 - physical properties, 162A10:363–365
 - planktonic foraminifers, 162B2:27, 33
 - sedimentation rates, 162A10:358
 - seismic stratigraphy, 162A10:368, 370, 372
 - site description, 162A10:345–387
 - wireline-logging, 162A10:365–368
- Site 988
 - background and objectives, 163A3:23–24
 - coring, 163A3:26
 - geochemistry, 163B8:79–80, 82–83; 10:113–117
 - geochronology, 163B6:56
 - igneous petrology, 163A3:27–28
 - lithostratigraphy, 163A3:26
 - operations, 163A3:24–26
 - paleomagnetism, 163A3:26
 - physical properties, 163A3:28–30
 - site description, 163A3:23–30
 - structural geology, 163A3:26–27
- Site 989
 - background and objectives, 163A4:32–34
 - coring, 163A4:34
 - geochemistry, 163B8:80, 83–84; 10:113–117
 - geochronology, 163B6:56
 - igneous petrology, 163A4:37–43
 - igneous provinces, 163X_A1:3–4
 - lava flows, 163B12:135–148
 - lithostratigraphy, 163A4:35
 - melts, 163B9:95–112
 - operations, 163A4:34–35
 - paleomagnetism, 163A4:35–36
 - physical properties, 163A4:43–44
 - seismic stratigraphy, 163B1:6
 - site description, 163A4:31–46
 - structural geology, 163A4:36–37
 - volcanic rocks, 163B7:67
- Site 990
 - background and objectives, 163A5:48–49
 - biostratigraphy, 163A5:54
 - coring, 163A5:50
 - geochemistry, 163B8:80–82, 84–85; 10:113–117
 - geochronology, 163B6:56–58
 - igneous petrology, 163A5:56–64; 163B2:17–28
 - igneous provinces, 163X_A1:3–4
 - lava flows, 163B4:41–49
 - lithostratigraphy, 163A5:52–54
 - operations, 163A5:49–52
 - paleomagnetism, 163A5:54
 - physical properties, 163A5:64–68
 - seismic stratigraphy, 163B1:6
 - seismic velocity, 163B3:29–35
 - site description, 163A5:47–68
 - structural data, 163B4:37–40
 - structural geology, 163A5:54–55
 - volcanic rocks, 163B7:67–69
- Site 991
 - biostratigraphy, 164A5:81–82
 - diapirs, 164B3:30
 - lithostratigraphy, 164A5:68–75
 - physical properties, 164A5:90–91
 - slide scars, 164B32:325–327
- Site 992
 - biostratigraphy, 164A5:82
 - diapirs, 164B3:30
 - lithostratigraphy, 164A5:75–78
 - physical properties, 164A5:91–92
- Site 993
 - biostratigraphy, 164A5:82
 - diapirs, 164B3:30
 - lithostratigraphy, 164A5:78–81
 - physical properties, 164A5:92–94
- Site 994
 - background and objectives, 164A6:100–103
 - bacteria, 164B37:393–398

biostratigraphy, 164A6:114–117; 164B33:331–341
 coring, 164A6:105
 diapirs, 164B3:30, 34–35
 downhole measurements, 164A6:122–124, 136–144
 gas hydrates, 164B25:247–249
 geomicrobiology, 164B36:383–384
 geophysics, 164A6:135–136
 grain size, 164B24:237–245
 in situ temperature, 164A6:144–146
 inorganic geochemistry, 164A6:128–132
 isotope stratigraphy, 164B18:173–175
 lithology, 164B23:229–236
 lithostratigraphy, 164A6:105–114
 operations, 164A6:103–105
 organic geochemistry, 164A6:124–128
 oxygen isotopes, 164B6:59–66
 paleomagnetism, 164A6:117–122
 physical properties, 164A6:132–135
 seismic profiles, 164A4:47–56, 59
 site description, 164A6:99–174
 sulfate, methane, alkalinity, magnesium, and calcium, 204B16:13
 synthesis and significance, 164A6:146–152
 well-logging, 164A6:136–144

Site 995

background and objectives, 164A7:176–177
 biostratigraphy, 164A7:185–189; 164B33:331–341
 coring, 164A7:178
 diapirs, 164B3:30, 34–35
 downhole measurements, 164A7:193–197, 207–215
 gas hydrates, 164B25:247–249
 geomicrobiology, 164B36:384–386
 geophysics, 164A7:204–207
 grain size, 164B24:237–245
 in situ temperature, 164A7:215–220
 inorganic geochemistry, 164A7:198–200
 lithostratigraphy, 164A7:179–185
 operations, 164A7:177–179
 organic geochemistry, 164A7:197
 paleomagnetism, 164A7:189–193
 physical properties, 164A7:200–204; 164B40:424
 seismic profiles, 164A4:47–56, 59
 site description, 164A7:175–240
 synthesis and significance, 164A7:220–224
 well-logging, 164A7:207–215

Site 996

background and objectives, 164A8:243
 biostratigraphy, 164A8:256, 258
 coring, 164A8:250
 diapirs, 164B3:30
 downhole measurements, 164A8:261–262
 gas hydrates, 164A8:249–255; 164B22:219–228
 inorganic geochemistry, 164A8:264–266;
 164B29:285–300
 lithostratigraphy, 164A8:245–249
 operations, 164A8:243–245
 organic geochemistry, 164A8:262–264
 paleomagnetism, 164A8:258, 260–261
 physical properties, 164A8:266, 269–270
 site description, 164A8:241–275
 synthesis and significance, 164A8:270–272

Site 997

ammonium, 164B17:171–172
 background and objectives, 164A9:278–279
 biostratigraphy, 164A9:290–292; 164B33:331–341;
 34:343–363
 chloride, 172A7:321
 coring, 164A9:281
 diapirs, 164B3:30, 34–35
 diatoms, 164B35:365–376
 downhole measurements, 164A9:295–297, 307–310
 gas hydrates, 164A9:286–290; 164B25:247–249
 geomicrobiology, 164B36:386–387
 geophysics, 164A9:305–307
 grain size, 164B24:237–245
 in situ temperature, 164A9:310–313
 inorganic geochemistry, 164A9:298, 300–301;
 164B14:147–149; 15:151–163
 lithostratigraphy, 164A9:281–286
 operations, 164A9:279–281
 organic geochemistry, 164A9:297–298
 oxygen isotopes, 164B6:59–66
 paleoceanography, 164B34:343–363
 paleomagnetism, 164A9:292–295
 physical properties, 164A9:301, 303–305
 seismic profiles, 164A4:47–56, 59
 site description, 164A9:277–334
 stable isotopes, 164B12:129–137
 synthesis and significance, 164A9:313–317
 well-logging, 164A9:307–310

Site 998

background and objectives, 165A3:50
 biostratigraphy, 165A3:62–67; 165B1:3–17; 3:59–63
 carbonate and volcanic ash mass accumulation rates
 vs. age, 206B4:23
 carbonate crash, 165A4:152
 coring, 165A3:53
 correlation of magnetic susceptibility and calcium
 carbonate in pelagic carbonates, 165A8:382,
 384
 downhole measurements, 165A3:88–95
 geology, 165B9:151
 igneous petrology, 165A3:79–86
 inorganic geochemistry, 165A3:73–79
 lithostratigraphy, 165A3:52–62
 mass accumulation rates, 165A3:69–71
 Miocene/Late Miocene carbonate crash, 165A8:382;
 165B17:249–273
 Miocene volcanic ash layers, 165B5:101–113
 operations, 165A3:51
 organic geochemistry, 165A3:71–73
 paleomagnetism, 165A3:67–69; 165B9:163
 physical properties, 165A3:86–88
 sedimentation rates, 165A3:69–71
 seismic stratigraphy, 165A3:50–51
 site description, 165A3:49–130
 summary and conclusions, 165A3:95–106
 synthetic seismograms, 165B12:208–209
 volcanology, 165A3:79–86

Site 999

background and objectives, 165A4:132

- biostratigraphy, 165A4:152–158; 165B2:56; 3:59–60, 64–68
carbonate and volcanic ash mass accumulation rates vs. age, 206B4:23
coring, 165A4:137
correlation of magnetic susceptibility and calcium carbonate in pelagic carbonates, 165A8:382
depth to volcanic basement, 165B13:219–224
downhole measurements, 165A4:186–194
geology, 165B9:151
high-resolution well-log data, 165B11:191–203
igneous petrology, 165A4:174–184
inorganic geochemistry, 165A4:165–174
lithostratigraphy, 165A4:138–152
mass accumulation rates, 165A4:161–163
microstylolites, 165B10:177–190
Miocene/Late Miocene carbonate crash, 165A8:382; 165B17:249–273
Miocene volcanic ash layers, 165B5:101–113
operations, 165A4:136–138
organic geochemistry, 165A4:163–165
paleoceanography, 165B18:275–283
paleomagnetism, 165A4:158–161; 165B9:163
physical properties, 165A4:184–186
sedimentation rates, 165A4:161–163
seismic stratigraphy, 165A4:132–136
site description, 165A4:131–230
stylolites, 165B10:184
summary and conclusions, 165A4:194–207
volcanology, 165A4:174–184
- Site 1000
background and objectives, 165A5:232
biostratigraphy, 165A5:248–251; 165B1:3–17
coring, 165A5:237
correlation of magnetic susceptibility and calcium carbonate in pelagic carbonates, 165A8:382
downhole measurements, 165A5:269–274
geology, 165B9:151
igneous petrology, 165A5:263–264
inorganic geochemistry, 165A5:258–263
lithostratigraphy, 165A5:236–248
mass accumulation rates, 165A5:252–254
Miocene/Late Miocene carbonate crash, 165A8:382–383; 165B17:249–273
Miocene volcanic ash layers, 165B5:101–113
operations, 165A5:236
organic geochemistry, 165A5:254–258
paleoceanography, 165B18:275–283
paleomagnetism, 165A5:251–252; 165B9:163
physical properties, 165A5:264–269
sedimentation rates, 165A5:252–254
seismic stratigraphy, 165A5:232, 234–236
site description, 165A5:231–289
summary and conclusions, 165A5:269–274
synthetic seismograms, 165B12:209–212
volcanology, 165A5:263–264
- Site 1001
background and objectives, 165A6:292–293
biostratigraphy, 165A6:309–314; 165B2:59–60, 69
coring, 165A6:301
Cretaceous/Tertiary boundary, 165A8:395
downhole measurements, 165A6:336–341
geochronology of igneous basement, 165B15:233–236
geology, 165B9:151
high-resolution well-log data, 165B11:191–203
igneous petrology, 165A6:323–330
inorganic geochemistry, 165A6:316–323
lithostratigraphy, 165A6:296–309
magnetostratigraphy, 165B8:143–147
mass accumulation rates, 165A6:315
microcrystalline carbonates, 165B14:227–232
microstylolites, 165B10:177–190
Miocene/Late Miocene carbonate crash, 165A8:382
operations, 165A6:295–296
organic geochemistry, 165A6:315–316
paleomagnetism, 165A6:314–315; 165B9:163, 165
physical properties, 165A6:330–336
sedimentation rates, 165A6:315
seismic stratigraphy, 165A6:293–295
site description, 165A6:291–357
stylolites, 165B10:184
summary and conclusions, 165A6:341–348
synthetic seismograms, 165B12:212–213
volcanology, 165A6:323–330
- Site 1002
alkenones, 165B16:239–247
anoxic deposits, 165B7:125–140
background and objectives, 165A7:360–362
biostratigraphy, 165A7:368
coring, 165A7:365
inorganic geochemistry, 165A7:369–370
lithostratigraphy, 165A7:362–368
operations, 165A7:362
organic geochemistry, 165A7:369
paleoceanography, 165B16:239–247
paleomagnetism, 165A7:368–369
physical properties, 165A7:370
rock magnetism, 165B8:143–147
seismic stratigraphy, 165A7:362
site description, 165A7:359–373
stratigraphy and sedimentation, 165B4:85–99
summary and conclusions, 165A7:370
- Site 1003
background and objectives, 166A6:73–74
biostratigraphy, 166A6:84–89; 166B1:4–6
coring, 166A6:76–77
downhole logging, 166A6:98–104
fluid flow, 166B8:91–98
Formation Microscanner imagery, 166B7:77–88
in situ temperature, 166A6:104–105
inorganic geochemistry, 166A6:91–95
lithostratigraphy, 166A6:75, 77–84
operations, 166A6:74–75
organic geochemistry, 166A6:90–91
paleomagnetism, 166A6:89–90
physical properties, 166A6:95–98
sediment age, 166B3:30
sedimentology, 166B6:61–76
seismic stratigraphy, 166A6:106–113
shore-based log processing, 166A6:117
site description, 166A6:71–151

- summary and conclusions, 166A6:113–115
- turbidites, 166B5:45–60
- Site 1004
 - background and objectives, 166A7:153–169
 - biostratigraphy, 166A7:156–158; 166B1:6–8
 - coring, 166A7:156
 - fluid flow, 166B8:91–98
 - in situ temperature, 166A7:166
 - inorganic geochemistry, 166A7:160–164
 - lithostratigraphy, 166A7:154–156
 - operations, 166A7:154
 - organic geochemistry, 166A7:159–160
 - paleomagnetism, 166A7:158–159
 - physical properties, 166A7:164–166
 - seismic stratigraphy, 166A7:166–167
 - site description, 166A7:153–169
 - summary and conclusions, 166A7:167–169
- Site 1005
 - background and objectives, 166A8:173–174
 - biostratigraphy, 166A8:180–185
 - composite depth, 166A8:187
 - coring, 166A8:175
 - downhole logging, 166A8:195–201
 - fluid flow, 166B8:91–98
 - Formation MicroScanner imagery, 166B7:77–88
 - in situ temperature, 166A8:201–202
 - inorganic geochemistry, 166A8:188–192
 - lithostratigraphy, 166A8:176–180
 - operations, 166A8:174–176
 - organic geochemistry, 166A8:187–188
 - paleomagnetism, 166A8:185–186
 - physical properties, 166A8:192–195
 - pore water, 166B9:99–111
 - sediment age, 166B3:30
 - seismic stratigraphy, 166A8:202–205
 - shore-based processing, 166A8:208, 218
 - site description, 166A8:171–232
 - summary and conclusions, 166A8:205–207
- Site 1006
 - background and objectives, 166A9:235
 - biostratigraphy, 166A2:19; 9:243–246; 166B1:8; 12:129–136; 15:155–166
 - composite section, 166A9:248–250
 - downhole logging, 166A9:258–260
 - fluid flow, 166B8:91–98
 - in situ temperature, 166A9:260
 - inorganic geochemistry, 166A9:251–255
 - lithostratigraphy, 166A9:237–243
 - operations, 166A9:236–237
 - organic geochemistry, 166A9:250–251
 - paleoclimatology, 166B2:13–22
 - paleomagnetism, 166A9:246–248; 166B11:123–127
 - physical properties, 166A9:255–258
 - pore water, 166B9:99–111
 - sediment age, 166B3:29
 - sediment geochemistry, 166B13:137–143; 14:145–152
 - sedimentology, 166B6:61–76
 - seismic stratigraphy, 166A9:260, 262–265
 - shore-based log processing, 166A9:269
 - site description, 166A9:233–287
 - summary and conclusions, 166A9:265–268
- Site 1007
 - background and objectives, 166A10:292
 - biostratigraphy, 166A10:305–309; 166B1:8–11
 - downhole logging, 166A10:320–324
 - fluid flow, 166B8:91–98
 - in situ temperature, 166A10:324
 - inorganic geochemistry, 166A10:312–317
 - lithostratigraphy, 166A10:293, 295–305
 - operations, 166A10:292–293
 - organic geochemistry, 166A10:311–312
 - paleomagnetism, 166A10:309–311
 - physical properties, 166A10:317–320
 - pore water, 166B9:99–111
 - rock magnetism, 166B4:35–43
 - sediment age, 166B3:29–30
 - sediment geochemistry, 166B13:137–143
 - seismic stratigraphy, 166A10:324–328
 - shore-based log processing, 166A10:331
 - site description, 166A10:289–345
 - summary and conclusions, 166A10:328–330
 - turbidites, 166B5:45–60
- Site 1008
 - biostratigraphy, 166A11:356–358; 166B1:11
 - lithostratigraphy, 166A11:350–353
 - paleomagnetism, 166A11:358–359
 - physical properties, 166A11:365–367
 - sediment geochemistry, 166B14:145–152
- Site 1009
 - biostratigraphy, 166A11:357–358; 166B1:11
 - lithostratigraphy, 166A11:353–356
 - paleomagnetism, 166A11:359–360
 - physical properties, 166A11:367
 - sediment geochemistry, 166B14:145–152
 - sulfate and methane vs. depth, 198A4:62
- Site 1010
 - background and objectives, 167A(1)4:50, 52
 - biohorizons, 167B1:35
 - biostratigraphy, 167A(1)4:57–63; 167B3:66–69, 72–73
 - composite depth, 167A(1)4:72–73
 - inorganic geochemistry, 167A(1)4:73–75
 - lithostratigraphy, 167A(1)4:54–57
 - operations, 167A(1)4:52–54
 - organic geochemistry, 167A(1)4:75–76
 - paleomagnetism, 167A(1)4:63–64, 71–72
 - phosphorus geochemistry, 167B13:197
 - physical properties, 167A(1)4:76–77
 - sedimentation rates, 167A(1)4:72–73
 - sediments, 167B15:207–212
 - site description, 167A(1)4:49–84
 - summary, 167A(1)4:77–78
- Site 1011
 - background and objectives, 167A(1)5:86–87
 - biohorizons, 167B1:35
 - biostratigraphy, 167A(1)5:92–102; 167B3:70–71, 73, 94
 - color, 167B32:363
 - composite depth, 167A(1)5:103–105
 - downhole measurements, 167A(1)5:109–110
 - inorganic geochemistry, 167A(1)5:104–105
 - lithostratigraphy, 167A(1)5:87–92
 - operations, 167A(1)5:87

organic geochemistry, 167A(1)5:105–107
paleoceanography, 167B8:141–144
paleomagnetism, 167A(1)5:102–103
phosphorus geochemistry, 167B13:198
physical properties, 167A(1)5:107–109
sedimentation, 167A(1)5:103–105; 167B11:163–182
site description, 167A(1)5:85–127
stratigraphy, 167B11:173
summary, 167A(1)5:111–112
See also Animal Basin

Site 1012

background and objectives, 167A(1)6:130
biohorizons, 167B1:36
biostratigraphy, 167A(1)6:135–139; 167B3:94
carbonate records, 167B26:297–302
composite depth, 167A(1)6:141, 143
inorganic geochemistry, 167A(1)6:143–145
lithostratigraphy, 167A(1)6:130–135
operations, 167A(1)6:130
organic geochemistry, 167A(1)6:145–146
paleoceanography, 167B8:141–144
paleomagnetism, 167A(1)6:139–141
phosphorus geochemistry, 167B13:198
physical properties, 167A(1)6:146–148
sedimentation rates, 167A(1)6:141–143
site description, 167A(1)6:129–155
summary, 167A(1)6:149

Site 1013

background and objectives, 167A(1)7:159
biohorizons, 167B1:36
biostratigraphy, 167A(1)7:161–163
carbonate records, 167B26:297–302
composite depth, 167A(1)7:165
coring, 167A(1)7:160
diatoms, 167B3:94
inorganic geochemistry, 167A(1)7:165–166
lithostratigraphy, 167A(1)7:160–161
operations, 167A(1)7:160
organic geochemistry, 167A(1)7:166–168
paleomagnetism, 167A(1)7:163–165
physical properties, 167A(1)7:168–171
sedimentation rates, 167A(1)7:165
site description, 167A(1)7:157–174
summary, 167A(1)7:171–172

Site 1014

background and objectives, 167A(1)8:176
biohorizons, 167B1:36
biostratigraphy, 167A(1)8:183–187
composite depth, 167A(1)8:187, 190–191
coring, 167A(1)8:182–183
diatoms, 167B3:72–73, 94–95
downhole measurements, 167A(1)8:196–198
inorganic geochemistry, 167A(1)8:191, 193
lithostratigraphy, 167A(1)8:180–183
magnetostratigraphy, 167B28:311–318
operations, 167A(1)8:176, 180
organic geochemistry, 167A(1)8:193
paleoceanography, 167B7:129–140; 9:145–150
paleomagnetism, 167A(1)8:187
phosphorus geochemistry, 167B13:199
physical properties, 167A(1)8:193–196

rare earths, 167B19:235–238
sedimentation rates, 167A(1)8:187, 190–191
site description, 167A(1)8:175–221
summary, 167A(1)8:198

Site 1015

background and objectives, 167A(1)9:224
biostratigraphy, 167A(1)9:227–229
composite depth, 167A(1)9:229–230
coring, 167A(1)9:226
diatoms, 167B3:94
inorganic geochemistry, 167A(1)9:230–232
lithostratigraphy, 167A(1)9:225–227
operations, 167A(1)9:224–225
organic geochemistry, 167A(1)9:232–233
physical properties, 167A(1)9:233–234
sedimentation rates, 167A(1)9:229–230
site description, 167A(1)9:223–237
summary, 167A(1)9:234–235

Site 1016

background and objectives, 167A(1)10:240, 243
biohorizons, 167B1:37
biomarkers, 167B12:183–194
biostratigraphy, 167A(1)10:247–256
composite depth, 167A(1)10:256–257, 259
coring, 167A(1)10:244
diatoms, 167B3:74–75, 95; 4:111
downhole measurements, 167A(1)10:264–266
index properties, 167B30:331–332
inorganic geochemistry, 167A(1)10:259–261
lithostratigraphy, 167A(1)10:245–247
operations, 167A(1)10:243, 245
organic geochemistry, 167A(1)10:261–263
paleomagnetism, 167A(1)10:256
phosphorus geochemistry, 167B13:200
physical properties, 167A(1)10:263–264
sedimentation rates, 167A(1)10:256–257, 259
site description, 167A(1)10:239–283
summary, 167A(1)10:266

Site 1017

background and objectives, 167A(1)11:286
biohorizons, 167B1:37
biostratigraphy, 167A(1)11:291–293
calcareous nannofossils, 167B27:303–308
carbon isotopes, 167B24:273–276
carbonate records, 167B26:297–302
composite depth, 167A(1)11:293–295
coring, 167A(1)11:290
diatoms, 167B3:94
geochemistry, 167B23:263–271
inorganic geochemistry, 167A(1)11:294–296
lithostratigraphy, 167A(1)11:288–291
millennial cycles, 167B25:277–296
operations, 167A(1)11:286, 288
organic geochemistry, 167A(1)11:296–297
paleoclimatology, 167B21:249–254
paleomagnetism, 167A(1)11:293
phosphorus geochemistry, 167B13:201
physical properties, 167A(1)11:297–298
sea-surface temperature, 167B26:297–302
sedimentation rates, 167A(1)11:293–295
sediments, 167B22:255–261

- site description, 167A(1)11:285–309
- summary, 167A(1)11:298
- Site 1018
 - background and objectives, 167A(1)12:312
 - biohorizons, 167B1:37
 - biostratigraphy, 167A(1)12:320–325
 - composite depth, 167A(1)12:325, 328
 - coring, 167A(1)12:317–318
 - diatoms, 167B3:76–77, 96; 6:119–120, 122, 124–125
 - downhole measurements, 167A(1)12:334–336
 - inorganic geochemistry, 167A(1)12:328–329
 - lithostratigraphy, 167A(1)12:316, 318–320
 - operations, 167A(1)12:312, 315–316
 - organic geochemistry, 167A(1)12:329, 332–333
 - paleoceanography, 167B8:141–144
 - paleoclimatology, 167B20:239–245
 - paleomagnetism, 167A(1)12:325
 - physical properties, 167A(1)12:333–334
 - sedimentation, 167B11:163–182
 - sedimentation rates, 167A(1)12:325, 328
 - site description, 167A(1)12:311–352
 - stratigraphy, 167B11:167
 - summary, 167A(1)12:336
 - terrigenous component, 167B18:227–234
- Site 1019
 - background and objectives, 167A(1)13:354, 356
 - biohorizons, 167B1:37
 - biostratigraphy, 167A(1)13:359–364
 - carbonate records, 167B26:297–302
 - composite depth, 167A(1)13:366–367
 - coring, 167A(1)13:358
 - diatoms, 167B3:78–79, 96–97
 - downhole measurements, 167A(1)13:371–372
 - gas hydrates, 167B32:350, 352–354
 - inorganic geochemistry, 167A(1)13:367–368
 - lithostratigraphy, 167A(1)13:357–359
 - methane/ethane ratio in void gas samples, 204B15:40
 - operations, 167A(1)13:356–357
 - organic geochemistry, 167A(1)13:368–370
 - paleoclimatology, 167B17:217–226
 - paleomagnetism, 167A(1)13:364–366
 - physical properties, 167A(1)13:370–371
 - sedimentation, 167B11:163–182
 - sedimentation rates, 167A(1)13:366–367
 - site description, 167A(1)13:353–387
 - stratigraphy, 167B11:167, 173
 - summary, 167A(1)13:372
- Site 1020
 - background and objectives, 167A(1)14:390–392
 - biogenic component, 167B14:203–206
 - biohorizons, 167B1:38
 - biostratigraphy, 167A(1)14:395–399; 167B3:80–81, 97; 6:119–120, 122–123
 - composite depth, 167A(1)14:400, 405
 - downhole measurements, 167A(1)14:411–414
 - inorganic geochemistry, 167A(1)14:405–406
 - lithostratigraphy, 167A(1)14:393–395
 - magnetostratigraphy, 167B28:311–318
 - operations, 167A(1)14:392–393
 - organic geochemistry, 167A(1)14:406, 408–410
 - paleoceanography, 167B9:145–150
 - paleoclimatology, 167B17:217–226, 239–245
 - paleomagnetism, 167A(1)14:400
 - paleothermometry, 167B10:153–161
 - physical properties, 167A(1)14:410–411; 167B31:333–338
 - sedimentation, 167A(1)14:400, 405; 167B11:163–182
 - site description, 167A(1)14:389–429
 - stratigraphy, 167B11:166
 - summary, 167A(1)14:414
 - terrigenous component, 167B18:227–234
 - time series, 167B32:360–362
- Site 1021
 - background and objectives, 167A(1)15:432
 - biohorizons, 167B1:38
 - biostratigraphy, 167A(1)15:438–442; 167B3:82–87, 97–98; 4:111; 6:119–122
 - composite depth, 167A(1)15:442, 447
 - inorganic geochemistry, 167A(1)15:447
 - lithostratigraphy, 167A(1)15:435–438
 - operations, 167A(1)15:432, 434
 - organic geochemistry, 167A(1)15:447, 449–450
 - paleoclimatology, 167B20:239–245
 - paleomagnetism, 167A(1)15:442
 - phosphorus geochemistry, 167B13:201
 - physical properties, 167A(1)15:450–451; 167B31:333–338
 - planktonic foraminifers, 167B5:115–117
 - sedimentation, 167A(1)15:442, 447; 167B11:163–182
 - site description, 167A(1)15:431–459
 - stratigraphy, 167B11:166–167
 - summary, 167A(1)15:451–452
- Site 1022
 - background and objectives, 167A(1)16:464
 - biohorizons, 167B1:38
 - biostratigraphy, 167A(1)16:468–473; 167B3:88–89, 98–99; 4:111–113
 - composite depth, 167A(1)16:473
 - downhole measurements, 167A(1)16:477–479
 - inorganic geochemistry, 167A(1)16:473–475
 - lithostratigraphy, 167A(1)16:465, 467–468
 - operations, 167A(1)16:464–465
 - organic geochemistry, 167A(1)16:475–477
 - paleoclimatology, 167B20:239–245
 - paleomagnetism, 167A(1)16:473
 - phosphorus geochemistry, 167B13:202
 - physical properties, 167A(1)16:477
 - sedimentation rates, 167A(1)16:473
 - site description, 167A(1)16:461–495
 - summary, 167A(1)16:479
- Site 1023
 - operations, 168A4:52
 - site description, 168A4:49–100
- Site 1024
 - operations, 168A4:52, 54–57
 - site description, 168A4:49–100
- Site 1025
 - operations, 168A4:52, 54–56
 - site description, 168A4:49–100
- Site 1026
 - bacteria, 168B13:162
 - microorganisms, 168B14:167–174

operations, 168A5:103, 106–109
Site 1027
bacteria, 168B13:162–164
operations, 168A5:104, 106–107
Site 1028, operations, 168A6:162, 164
Site 1029, operations, 168A6:164–165
Site 1030, operations, 168A6:165–166
Site 1031, operations, 168A6:166
Site 1032, operations, 168A6:166
Site 1033
coring, 169S_A2:20
gas samples, 169S_A2:36–39
inorganic geochemistry, 169S_A2:39–40
lithostratigraphy, 169S_A2:20–22
physical properties, 169S_A2:27–28
Site 1034
coring, 169S_A2:20
diatoms, 169S_B1:3–10
gas samples, 169S_A2:39
inorganic geochemistry, 169S_A2:40
lithostratigraphy, 169S_A2:22–27
paleontology, 169S_A2:40–41
physical properties, 169S_A2:28, 31–32
Site 1035
biostratigraphy, 169A3:38–39, 57–58
downhole measurements, 169A3:130–134
geochronology, 169B4:1–15
geological setting, 169A3:37–38
igneous petrology and geochemistry, 169A3:89–102
inorganic geochemistry, 169A3:112–117
lithostratigraphy and sedimentology, 169A3:45–57
microbiology, 169A3:123–125; 169B2:4–6
objectives, 169A3:40–41
operations, 169A3:41–44
organic geochemistry, 169A3:117–123
paleomagnetism, 169A3:134–139
physical properties, 169A3:125–130; 169B7:1–19
principal results, 169A3:39–40
site description, 169A3:35–152
structural geology, 169A3:102–103, 106–112
sulfide mineral chemistry and petrography,
169A3:58–89; 169B5:1–34
vein networks, 169B9:1–25
Site 1036
Bent Hill comparison, 169A4:160–162
biostratigraphy, 169A4:169
downhole measurements, 169A4:188–196
geological setting, 169A4:155–157
inorganic geochemistry, 169A4:169–175
lithostratigraphy, 169A4:163–169
microbiology, 169A4:183–184, 186; 169B2:6–8; 3:1–
19
operations, 169A4:162–163
organic geochemistry, 169A4:175, 178–183
paleomagnetism, 169A4:200–201
physical properties, 169A4:186–188
pore pressure, 169A4:196–200
principal results, 169A4:157–160
site description, 169A4:153–203
Stage 5e interglacial zone depth, 169A4:170
structural geology, 169A4:169

Site 1037
biostratigraphy, 169A5:211–212
clay minerals, 169B6:1–24
coring, 169A5:207
downhole measurements, 169A5:227–231
geochemistry, 169B1:1–16
geological setting, 169A5:206
igneous petrology and geochemistry, 169A5:212–216
inorganic geochemistry, 169A5:217–221
lithostratigraphy and sedimentology, 169A5:207–211
microbiology, 169A5:225
operations, 169A5:206–207
organic geochemistry, 169A5:221–225
paleomagnetism, 169A5:231–233
physical properties, 169A5:225–227; 169B7:1–19
pore water, 169A6:281
scientific objectives, 169A5:206
site description, 169A5:205–251
structural geology, 169A5:216–217
Site 1038
biostratigraphy, 169A6:268
clay minerals, 169B6:1–24
downhole measurements, 169A6:292–293
geochemistry, 169B1:1–16
geological setting, 169A6:255–259
igneous petrology, 169A6:271–272
inorganic geochemistry, 169A6:273–281
lithostratigraphy and sedimentology, 169A6:263–268
methane/ethane ratio, 204B15:38
microbiology, 169A6:288–289
operations, 169A6:259–263
organic geochemistry, 169A6:281–288
paleomagnetism, 169A6:293–295
physical properties, 169A6:289–292; 169B7:1–19
site description, 169A6:253–298
structural geology, 169A6:272–273
sulfide petrology, 169A6:268–271
Site 1039
age-depth plots, 170A3:71
background and objectives, 170A3:49–50
barium, 205B2:16
biostratigraphy, 170B1:2–3; 2:3; 5:5–9
biostratigraphy and magnetostratigraphy, 170A3:61–
71
carbon and oxygen isotopes, 205B4:1–18
geochemistry, 170A3:71–79
lithofacies, 170B6:2
lithostratigraphy and structures, 170A3:52–61
operations, 170A3:50–52
paleomagnetism, 170A3:70–71
physical properties, 170A3:79–89
pore fluid geochemistry, 205B1:43
principal results, 170A3:46–48
seismic profiles, 205A1:54
site description, 170A3:45–93
stable isotopes, 205B4:1–18
stratigraphy, 205B14:16
Site 1039/Site 1253
lithology, 205B6:19
pore fluid geochemistry, 205B5:3–4
stratigraphy, 205B14:16

- sulfate, 205B6:21
- Site 1040
 - background and scientific objectives, 170A4:99–100
 - barium, 205B2:16
 - biostratigraphy, 170B1:3; 2:3; 5:9–12
 - biostratigraphy and magnetostratigraphy, 170A4:116–127
 - carbon and nitrogen geochemistry, 205B7:1–38
 - carbon and oxygen isotopes, 205B4:1–18
 - geochemistry, 170A4:127–141
 - lithostratigraphy and structures, 170A4:103–116
 - operations, 170A4:100–103
 - permeability, 205B11:1–13
 - physical properties, 170A4:141–151
 - principal results, 170A4:96, 98–99
 - seismic profiles, 205A1:65
 - site description, 170A4:95–152
 - stratigraphy, 205B14:17
 - structures, 170B3:1–32
- Site 1040/Site 1254
 - lithology, 205B6:19
 - pore fluid geochemistry, 205B5:4
 - pore water data, 205B6:22
 - reaction fronts, 205B6:23
 - stratigraphy, 205B14:17
- Site 1041
 - background and scientific objectives, 170A5:155–157
 - biostratigraphy, 170B1:3–4; 2:3–4; 5:12–14
 - biostratigraphy and magnetostratigraphy, 170A5:163–170
 - geochemistry, 170A5:170–178
 - lithostratigraphy and structures, 170A5:158–163
 - operations, 170A5:157–158
 - physical properties, 170A5:178–183
 - principal results, 170A5:153–155
 - site description, 170A5:153–188
- Site 1042
 - background and scientific objectives, 170A6:191–192
 - biostratigraphy, 170B1:4; 2:4; 5:14–15
 - biostratigraphy and magnetostratigraphy, 170A6:199–201
 - geochemistry, 170A6:201–206
 - lithostratigraphy and structures, 170A6:194–199
 - operations, 170A6:192–194
 - physical properties, 170A6:206–208
 - principal results, 170A6:189–191
 - site description, 170A6:189–213
- Site 1043
 - background and scientific objectives, 170A7:217–218
 - biostratigraphy, 170B2:4–5; 5:15–17
 - biostratigraphy and magnetostratigraphy, 170A7:227–233
 - geochemistry, 170A7:233–238
 - lithofacies, 170B6:2
 - lithostratigraphy and structures, 170A7:219–227
 - operations, 170A7:218–219
 - physical properties, 170A7:238–247
 - planktonic foraminifers, 170B1:4–5
 - principal results, 170A7:215–217
 - seismic profiles, 205A1:71
 - site description, 170A7:215–247
 - stratigraphy, 205B14:18
 - structures, 170B3:1–32
- Site 1043/Site 1255
 - fluid flow, 205B6:22
 - lithology, 205B6:19
 - pore fluid geochemistry, 205B5:4
 - pore water data, 205B6:22
 - reaction fronts, 205B6:23
 - stratigraphy, 205B14:18
 - underthrust sediments, 205B6:22
- Site 1044
 - background and objectives, 171A_A3:19, 21
 - characterization of logs, 171A_A3:22, 24–26
 - data relationship to Site 672A, 171A_A3:20–21
 - fluid flow, 171A_A3:33–35
 - lithology, 171A_A3:26–29
 - operations, 171A_A3:21–22
 - physical properties, 171A_A3:31–33
 - seismic data, 171A_A3:35–36
 - seismic depth section, 171A_B3:19
 - site description, 171A_A3:19–37
 - structure, 171A_A3:29–31
- Site 1045
 - background and objectives, 171A_A4:39–40
 - fluid flow, 171A_A4:50–52
 - lithology, 171A_A4:42–45
 - operations, 171A_A4:40, 42
 - physical properties, 171A_A4:46–50
 - seismic data, 171A_A4:52
 - seismic depth section, 171A_B3:19
 - site description, 171A_A4:39–54
 - structure, 171A_A4:45–46
 - well-logging, 171A_A4:42
- Site 1046
 - background and objectives, 171A_A5:55, 57
 - fluid flow, 171A_A5:66–68
 - lithology, 171A_A5:57–60, 62–63
 - operations, 171A_A5:57
 - physical properties, 171A_A5:63, 66
 - seismic data, 171A_A5:68, 71
 - site description, 171A_A5:55–75
 - structure, 171A_A5:63
 - well-logging, 171A_A5:57
- Site 1047
 - background and objectives, 171A_A6:77
 - fluid flow, 171A_A6:88–90
 - lithology, 171A_A6:84–85
 - operations, 171A_A6:77, 80
 - physical properties, 171A_A6:85–88
 - seismic data, 171A_A6:90
 - seismic depth section, 171A_B3:19
 - site description, 171A_A6:77–91
 - structural synthesis, 171A_A6:88
 - structure, 171A_A6:85
 - well-logging, 171A_A6:80, 82–84
- Site 1048
 - background and objectives, 171A_A7:93, 96
 - fluid flow, 171A_A7:101
 - lithology, 171A_A7:100
 - operations, 171A_A7:96
 - physical properties, 171A_A7:100–101

- seismic data, 171A_A7:101–102
- site description, 171A_A7:93–106
- structure, 171A_A7:100
- well-logging, 171A_A7:96, 98–100
- Site 1049
 - background and objectives, 171B_A3:48–49
 - biostratigraphy, 171B_A3:59–70; 171B_B3:1–12
 - core-core integration, 171B_A3:71–73
 - coring, 171B_A3:50
 - Cretaceous/Tertiary boundary, 171B_B4:1–26
 - Eocene volcanic ash layer correlation, 171B_B8:4
 - inorganic geochemistry, 171B_A3:77
 - lithostratigraphy, 171B_A3:50–59
 - magnetostratigraphy, 171B_B9:6–8
 - operations, 171B_A3:49–50
 - organic geochemistry, 171B_A3:73–77
 - paleomagnetism, 171B_A3:70–71
 - phosphorus, 171B_B1:5
 - physical properties, 171B_A3:77–81
 - site description, 171B_A3:47–91
 - strontium isotopes, 171B_B2:1–17
- Site 1050
 - background and objectives, 171B_A4:95
 - biostratigraphy, 171B_A4:118–132; 171B_B3:1–12
 - core-core integration, 171B_A4:134–139
 - coring, 171B_A4:96
 - downhole measurements, 171B_A4:154
 - Eocene volcanic ash layer correlation, 171B_B8:4
 - inorganic geochemistry, 171B_A4:141, 143–145
 - lithostratigraphy, 171B_A4:96–118
 - magnetostratigraphy, 171B_B9:8–9
 - operations, 171B_A4:95–96
 - organic geochemistry, 171B_A4:139–141
 - paleomagnetism, 171B_A4:132–134
 - phosphorus, 171B_B1:6–7
 - physical properties, 171B_A4:145–154
 - site description, 171B_A4:93–169
 - strontium isotopes, 171B_B2:1–17
- Site 1051
 - background and objectives, 171B_A5:172
 - biostratigraphy, 171B_A5:188–196; 171B_B7:1–28
 - core-core integration, 171B_A5:203, 205
 - coring, 171B_A5:174
 - downhole measurements, 171B_A5:217–226
 - Eocene volcanic ash layer correlation, 171B_B8:4–5
 - heat flow, 171B_A5:216–217
 - in situ temperature, 171B_A5:216–217
 - inorganic geochemistry, 171B_A5:206–210
 - lithostratigraphy, 171B_A5:173–188
 - magnetostratigraphy, 171B_B9:9–10
 - operations, 171B_A5:172–173
 - organic geochemistry, 171B_A5:205–206
 - paleomagnetism, 171B_A5:196, 199–203
 - phosphorus, 171B_B1:8–9
 - physical properties, 171B_A5:210–216
 - site description, 171B_A5:171–239
 - stable isotope stratigraphy, 171B_B5:1–14
 - strontium isotopes, 171B_B2:1–17
- Site 1052
 - background and objectives, 171B_A6:243–244
 - biostratigraphy, 171B_A6:262–274; 171B_B3:1–12; 7:1–28
 - core-core integration, 171B_A6:282–283
 - coring, 171B_A6:245
 - downhole measurements, 171B_A6:295–302
 - Eocene volcanic ash layer correlation, 171B_B8:5
 - inorganic geochemistry, 171B_A6:285–287
 - lithostratigraphy, 171B_A6:245–262
 - magnetostratigraphy, 171B_B9:10–12
 - operations, 171B_A6:244–245
 - organic geochemistry, 171B_A6:283–285
 - paleomagnetism, 171B_A6:274–282
 - phosphorus, 171B_B1:10
 - physical properties, 171B_A6:287–295
 - site description, 171B_A6:241–319
 - strontium isotopes, 171B_B2:1–17
- Site 1053
 - background and objectives, 171B_A7:322
 - biostratigraphy, 171B_A7:325–329; 171B_B6:1–25
 - core-core integration, 171B_A7:330
 - coring, 171B_A7:322
 - Eocene volcanic ash layer correlation, 171B_B8:5
 - heat flow, 171B_A7:334–339
 - in situ temperature, 171B_A7:339
 - inorganic geochemistry, 171B_A7:333–334
 - lithostratigraphy, 171B_A7:323–325
 - magnetostratigraphy, 171B_B9:12–13
 - operations, 171B_A7:322–323
 - organic geochemistry, 171B_A7:330–333
 - paleomagnetism, 171B_A7:329–330
 - physical properties, 171B_A7:334–339
 - site description, 171B_A7:321–348
 - strontium isotopes, 171B_B2:1–17
- Site 1054
 - red sediments, 172B(overview):5–6
 - stable isotopes, 172B9:11
- Site 1055
 - red sediments, 172B(overview):5–6
 - stable isotopes, 172B9:12
- Site 1057
 - magnetic susceptibility, 172B4:1–22
 - sediments, 172B(overview):4
- Site 1059, stadials/interstadials, 172B(overview):4–5
- Site 1060
 - Brunhes Chron, 172B10:1–18
 - Brunhes/Matuyama polarity transition, 172A7:318–319
- Site 1061
 - Brunhes Chron, 172B10:1–18
 - magnetic susceptibility, 172B4:1–22
 - paleomagnetism, 172B11:1–20
 - sediments, 172B(overview):4
- Site 1062
 - Brunhes Chron, 172B10:1–18
 - iron oxidation, 172B2:1–11
 - mud waves, 172B(overview):4–5
 - paleomagnetism, 172B11:1–20
- Site 1063
 - biostratigraphy, 172B8:1–49
 - Brunhes Chron, 172B10:1–18

- Brunhes/Matuyama polarity transition, 172A7:318–319
- Dansgaard–Oeschger cycles, 172B5:1–24
- organic geochemistry, 172B1:1–9
- paleomagnetism, 172B11:1–20
- red sediments, 172B(overview):5–6
- stable isotopes, 172B9:13–14
- Site 1065
- background and objectives, 173A4:66, 68
- biostratigraphy, 173A4:77–81; 173B7:3–4; 9:3
- coring, 173A4:71
- downhole measurements, 173A4:49–54, 94–98
- Jurassic calcareous nannofossils, 173B7:1–24
- lithostratigraphy, 173A4:70–77
- operations, 173A4:68–70
- organic and inorganic geochemistry, 173A4:87–88, 90
- paleomagnetism, 173A4:81, 83–84
- palynology, 173A4:103–104
- physical properties, 173A4:90–94
- site description, 173A4:65–104
- size variations of *Watznaueria barnesae*, 173B7:19
- structural geology, 173A4:84–87
- summary and conclusions, 173A4:98–102
- Tithonian and Jurassic quartz–feldspar–lithic fragments, 210B2:31
- Site 1066
- operations, 173A5:105
- site description, 173A5:105
- Site 1067
- amphibolite and tonalite gneiss, 173A6:198
- background and objectives, 173A6:108–109
- biostratigraphy, 173A6:114–121; 173B4:4–6; 5:5; 9:3
- coring, 173A6:114
- heat flow, 173B3:1–4
- lithostratigraphy, 173A6:110, 112–114
- magnetic polarity, 173B11:6–8, 14–15
- operations, 173A6:109–110
- organic and inorganic geochemistry, 173A6:148, 150–151
- paleomagnetism, 173A6:121, 123–124; 173B8:1–34
- petrology, 173A6:124, 126–135
- physical properties, 173A6:151–155
- prestack depth migration of seismic reflection profiles, 173A6:157–158
- site description, 173A6:107–161
- structural geology, 173A6:135–148
- summary and conclusions, 173A6:155–156
- Site 1068
- background and objectives, 173A7:164
- biostratigraphy, 173A7:177–182; 173B4:6–7; 5:5–7; 9:3–4
- breccia matrix mineralogy, 173B1:1–14
- coring, 173A7:165
- downhole measurements, 173A4:54–57; 7:211–212
- heat flow, 173B3:1–4
- lithostratigraphy, 173A7:165–177
- magnetic polarity, 173B11:6–8, 15–16
- operations, 173A7:165
- organic and inorganic geochemistry, 173A7:203–205
- paleomagnetism, 173A7:182–185; 173B8:1–34
- petrology, 173A7:186–196
- physical properties, 173A7:205–211
- sedimentation, 173B5:9
- site description, 173A7:163–218
- structural geology, 173A7:196–203
- summary and conclusions, 173A7:212, 215–217
- tochilinite, 173B2:1–9
- turbidites, 173B6:1–11
- Site 1069
- background and objectives, 173A8:220–221, 223
- biostratigraphy, 173A8:241–244; 173B4:7–8; 5:7–8; 7:4–5; 9:4
- coring, 173A8:225
- downhole measurements, 173A4:54, 57–61; 8:254–256
- Jurassic calcareous nannofossils, 173B7:1–24
- lithostratigraphy, 173A8:225–241
- magnetic polarity, 173B11:6–8, 16–17
- operations, 173A8:223, 225
- organic and inorganic geochemistry, 173A8:251–252
- paleomagnetism, 173A8:244–245; 173B8:1–34
- palynology, 173A8:263
- petrology, 173A8:245–249
- physical properties, 173A8:252–254
- sedimentation, 173B5:9–10
- site description, 173A8:219–263
- structural geology, 173A8:249–251
- summary and conclusions, 173A8:256–258
- Tithonian and Jurassic quartz–feldspar–lithic fragments, 210B2:31
- turbidites, 173B6:1–11
- Site 1070
- background and objectives, 173A9:266, 268
- biostratigraphy, 173A9:273–275; 173B9:4–5
- coring, 173A9:270
- lithostratigraphy, 173A9:269–273
- operations, 173A9:268–269
- organic and inorganic geochemistry, 173A9:290
- paleomagnetism, 173A9:275–277; 173B8:1–34
- petrology, 173A9:277–285
- physical properties, 173A9:290–293
- site description, 173A9:265–294
- structural geology, 173A9:285–290
- summary and conclusions, 173A9:293
- Site 1071
- background and objectives, 174A_A3:39–40
- biostratigraphy, 174A_A3:58–65; 174A_B5:1–16
- carbon isotopes, 174A_B1:1–7
- comparison with COST–B2 well, 174A_A3:92–95
- coring, 174A_A3:41
- downhole logging, 174A_A3:88–95
- heavy minerals, 174A_B6:1–11
- inorganic geochemistry, 174A_A3:71–74
- lithostratigraphy, 174A_A3:43–58
- operations, 174A_A3:40–43
- organic geochemistry, 174A_A3:74, 76–77
- paleomagnetism, 174A_A3:65–71
- physical properties, 174A_A3:77–81
- sediment grain size, 174A_B4:1–18
- seismic stratigraphy, 174A_A3:81–88
- site description, 174A_A3:37–97
- stable isotopes, 174A_B2:1–11

- summary and conclusions, 174A_A3:95–96
- Site 1072
 - background and objectives, 174A_A4:101
 - biostratigraphy, 174A_A4:115–120; 174A_B5:1–16
 - carbon isotopes, 174A_B1:1–7
 - coring, 174A_A4:102
 - downhole logging, 174A_A4:135–146
 - heavy minerals, 174A_B6:1–11
 - inorganic geochemistry, 174A_A4:122–123
 - lithostratigraphy, 174A_A4:103–115
 - operations, 174A_A4:101–103
 - organic geochemistry, 174A_A4:123, 127–128
 - paleomagnetism, 174A_A4:120–122
 - physical properties, 174A_A4:128–131
 - sediment grain size, 174A_B4:1–18
 - seismic stratigraphy, 174A_A4:131–135
 - site description, 174A_A4:99–152
 - stable isotopes, 174A_B2:1–11
 - summary and conclusions, 174A_A4:146–151
- Site 1073
 - background and objectives, 174A_A5:154
 - biostratigraphy, 174A_A5:163–168; 174A_B5:1–16
 - carbon isotopes, 174A_B1:1–7
 - coring, 174A_A5:155
 - downhole logging, 174A_A5:182–187
 - heavy minerals, 174A_B6:1–11
 - inorganic geochemistry, 174A_A5:170–172
 - lithostratigraphy, 174A_A5:155–163
 - methane/ethane ratio, 204B15:38
 - operations, 174A_A5:154–155
 - organic geochemistry, 174A_A5:172, 175
 - paleomagnetism, 174A_A5:168–170
 - physical properties, 174A_A5:175–178; 174A_B7:1–62
 - sediment grain size, 174A_B4:1–18
 - sedimentology, 174A_B3:1–9
 - seismic stratigraphy, 174A_A5:178–182
 - site description, 174A_A5:153–191
 - stable isotopes, 174A_B2:1–11
 - summary and conclusions, 174A_A5:187–189
- Site 1075
 - age models, 175B(synthesis):63, 97
 - background and objectives, 175A3:50–51
 - biostratigraphy, 175A3:57–58, 60, 62, 64, 66–69
 - carbonates, 175B(synthesis):72
 - composite section, 175A3:70–72
 - coring summary, 175A3:54
 - diatoms and organic carbon, 175B(synthesis):73
 - foraminifers, 175B12:12–15
 - inorganic geochemistry, 175A3:72–74
 - lithostratigraphy, 175A3:55–57
 - magnetic properties, 175B13:1–31
 - operations, 175A3:51–52
 - organic geochemistry, 175A3:74–76
 - oxygen isotopes, 175B11:18
 - paleomagnetism, 175A3:69–70
 - physical properties, 175A3:76–79
 - productivity, 175B(synthesis):16–20
 - sedimentation rates, 175A3:57–58, 60, 62, 64, 66–69;
175B(synthesis):11–12, 69
 - sediments, 175A23:561–567; 175B17:1–12
 - site description, 175A3:49–86
 - site geophysics, 175A3:52–55
 - upwelling, 175A1:15
- Site 1076
 - age models, 175B(synthesis):63, 97; 175B23:9
 - background and objectives, 175A4:88–89
 - biostratigraphy, 175A4:92–98
 - carbonates, 175B(synthesis):72
 - composite section, 175A4:99
 - coring summary, 175A4:89
 - diatoms and organic carbon, 175B(synthesis):73
 - headspace gases, 175A21:557
 - inorganic geochemistry, 175A4:99–102
 - lipids, 175B10:13–14
 - lithostratigraphy, 175A4:89–92
 - operations, 175A4:88–89
 - organic geochemistry, 175A4:102–103
 - paleomagnetism, 175A4:98–99
 - physical properties, 175A4:103–105
 - productivity, 175B(synthesis):16–20
 - sedimentation rates, 175A4:92–98; 175B(synthesis):11–12, 69
 - sediments, 175B17:1–12
 - site description, 175A4:87–113
 - site geophysics, 175A4:89
 - upwelling, 175A1:15
- Site 1077
 - age models, 175B(synthesis):63, 97; 175B23:10
 - background and objectives, 175A5:116
 - biostratigraphy, 175A5:120–126
 - carbonates, 175B(synthesis):72
 - composite depth, 175B20:1–10
 - composite section, 175A5:128–129
 - coring summary, 175A5:117
 - diatoms and organic carbon, 175B(synthesis):73
 - downhole logging, 175A5:138–139
 - inorganic geochemistry, 175A5:129–131
 - lipids, 175B10:14
 - lithostratigraphy, 175A5:117–120
 - magnetic minerals, 175B16:1–10
 - operations, 175A5:116–117
 - organic geochemistry, 175A5:131–132, 134–136
 - paleomagnetism, 175A5:126–128
 - physical properties, 175A5:136–138
 - productivity, 175B(synthesis):16–20
 - sedimentation rates, 175A5:120–126; 175B(synthesis):11–12, 69
 - sediments, 175B17:1–12
 - siliceous phytoplankton productivity, 175B11:1–32
 - site description, 175A5:115–141
 - site geophysics, 175A5:117
 - upwelling, 175A1:15
- Site 1078
 - age models, 175B(synthesis):64, 97
 - background and objectives, 175A6:144–145
 - biostratigraphy, 175A6:155, 157–159
 - carbonates and organic carbon, 175B(synthesis):76
 - composite section, 175A6:160–161
 - coring, 175A6:147
 - dolomite, 175B15:3
 - headspace gases, 175A21:557
 - inorganic geochemistry, 175A6:161, 163–166

- lithostratigraphy, 175A6:150–155
- operations, 175A6:145
- organic geochemistry, 175A6:166–167
- paleomagnetism, 175A6:159–160
- physical properties, 175A6:169–170
- productivity, 175B(synthesis):20–23
- sedimentation rates, 175A6:155, 157–159; 175B(synthesis):11–12
- sediments, 175B17:1–12
- site description, 175A6:143–176
- site geophysics, 175A6:146–148
- upwelling, 175A1:15–17
- Site 1079
 - age models, 175B(synthesis):64, 97
 - background and objectives, 175A7:178
 - biostratigraphy, 175A7:179–180, 182–183
 - carbonates and organic carbon, 175B(synthesis):76
 - composite section, 175A7:187–188
 - coring, 175A7:178
 - inorganic geochemistry, 175A7:188–190
 - late Quaternary productivity, 175B19:1–19
 - lipids, 175B10:14
 - lithostratigraphy, 175A7:179
 - operations, 175A7:178–179
 - organic geochemistry, 175A7:190, 192–193
 - paleomagnetism, 175A7:183, 185–187
 - physical properties, 175A7:193–196
 - productivity, 175B(synthesis):20–23, 77
 - sedimentation rates, 175A7:179–180, 182–183; 175B(synthesis):11–12
 - sediments, 175B17:1–12
 - site description, 175A7:177–199
 - site geophysics, 175A7:149
 - upwelling, 175A1:15–17
- Site 1080
 - background and objectives, 175A8:202
 - biostratigraphy, 175A8:206–207, 209
 - composite section, 175A8:211
 - coring, 175A8:204
 - inorganic geochemistry, 175A8:211–214
 - lithostratigraphy, 175A8:205–206
 - operations, 175A8:202
 - organic geochemistry, 175A8:214–216
 - paleomagnetism, 175A8:209–211
 - physical properties, 175A8:216–218
 - sedimentation rates, 175A8:206–207, 209
 - sediments, 175B17:1–12
 - site description, 175A8:201–221
 - site geophysics, 175A8:202–205
 - upwelling, 175A1:17
- Site 1081
 - age–depth models, 175B23:10
 - age models, 175B(synthesis):65, 98
 - background and objectives, 175A9:224–225
 - biostratigraphy, 175A9:241–251
 - carbonates and organic carbon, 175B(synthesis):86
 - composite section, 175A9:254–255
 - coring, 175A9:227
 - diatoms, 175B(synthesis):82–83
 - dolomite, 175B15:3
 - inorganic geochemistry, 175A9:255–258
 - lithostratigraphy, 175A9:231–241
 - magnetic properties, 175B8:1–17
 - Miocene–Pleistocene sedimentary record, 175B6:1–19
 - operations, 175A9:225, 227–228
 - organic geochemistry, 175A9:258, 260–261
 - paleomagnetism, 175A9:251–254
 - physical properties, 175A9:261, 263–266
 - productivity, 175B(synthesis):23–30, 88
 - sedimentation rates, 175A9:241–251; 175B(synthesis):12–14; 9:1–23
 - sediments, 175B17:1–12
 - site description, 175A9:223–272
 - site geophysics, 175A9:228–230
 - upwelling, 175A1:17
- Site 1082
 - age models, 175B(synthesis):65, 98
 - background and objectives, 175A10:274–275
 - biostratigraphy, 175A10:283–291
 - carbonates and organic carbon, 175B(synthesis):86
 - composite section, 175A10:292, 294
 - coring, 175A10:275
 - diatoms, 175B(synthesis):82–83
 - dolomite, 175B15:3
 - downhole logging, 175A10:301, 303–304, 306
 - inorganic geochemistry, 175A10:294–295, 297
 - lipids, 175B10:14–15
 - lithostratigraphy, 175A10:276–283
 - Miocene–Pleistocene sedimentary record, 175B6:1–19
 - opal, 175B4:1–16
 - operations, 175A10:275–276
 - organic geochemistry, 175A10:297–299
 - paleomagnetism, 175A10:291–292
 - physical properties, 175A10:299–301
 - productivity, 175B(synthesis):23–30, 88
 - radiolarians, 175B3:1–16; 14:1–26
 - sedimentation rates, 175A10:283–291; 175B(synthesis):12–14; 9:1–23
 - sediments, 175B17:1–12
 - site description, 175A10:273–312
 - site geophysics, 175A10:230
 - upwelling, 175A1:17
- Site 1083
 - age models, 175B(synthesis):66, 98
 - background and objectives, 175A11:274–275
 - biostratigraphy, 175A11:317–320
 - carbonates and organic carbon, 175B(synthesis):86
 - composite section, 175A11:323–324
 - coring, 175A11:315
 - inorganic geochemistry, 175A11:324–326
 - lithostratigraphy, 175A11:315–317
 - operations, 175A11:314–315
 - organic geochemistry, 175A11:326–328
 - paleomagnetism, 175A11:320, 322–323
 - physical properties, 175A11:328–330
 - productivity, 175B(synthesis):23–30; 175B18:1–24
 - sedimentation rates, 175A11:317–320; 175B(synthesis):12–14
 - site description, 175A11:313–337
 - site geophysics, 175A11:230–231
 - upwelling, 175A1:17

Site 1084

age models, 175B(synthesis):66, 98
 background and objectives, 175A12:340–341
 biostratigraphy, 175A12:352–363
 black-layer lithology, 175A12:542
 carbonates and organic carbon, 175B(synthesis):87
 composite site, 175A12:364, 366
 coring, 175A12:342–343
 diatoms, 175B(synthesis):89
 dolomite, 175B15:3
 downhole logging, 175A12:379–380
 headspace gases, 175A12:557–558
 inorganic geochemistry, 175A12:367–368, 370–371
 lipid biomarkers, 175B5:1–26; 10:15
 lithostratigraphy, 175A12:343–352
 Miocene–Pleistocene sedimentary record, 175B6:1–19
 opal, 175B4:1–16
 operations, 175A12:341–343
 organic geochemistry, 175A12:371–377
 organic matter, 175A12:551–552
 paleoceanography, 175A12:509
 paleomagnetism, 175A12:363–364
 physical properties, 175A12:377–378
 productivity, 175B(synthesis):30–35, 88
 sedimentation rates, 175A12:352–363; 175B(synthesis):12–14; 9:1–23
 sediments, 175B17:1–12
 site description, 175A12:339–384
 site geophysics, 175A12:343
 upwelling, 175A1:17–18

Site 1085

age models, 175B(synthesis):67, 98; 175B22:1–19
 background and objectives, 175A13:386
 biostratigraphy, 175A13:398–406
 carbonates and organic carbon, 175B(synthesis):92
 composite section, 175A13:406–408
 coring, 175A13:388
 downhole logging, 175A13:414–416
 early Quaternary, 175B21:1–31
 headspace gases, 175A13:558
 inorganic geochemistry, 175A13:408–410
 late Miocene sediments, 175B1:1–23
 lipids, 175B10:15
 lithostratigraphy, 175A13:390, 392–397
 Miocene–Pleistocene sedimentary record, 175B6:1–19
 operations, 175A13:386–388
 organic geochemistry, 175A13:410–412
 paleomagnetism, 175A13:406
 physical properties, 175A13:412–414
 productivity, 175B(synthesis):35–37
 sedimentation rates, 175A13:398–406; 175B(synthesis):14–15
 site description, 175A13:385–428
 site geophysics, 175A13:388–390
 upwelling, 175A1:18–19

Site 1086

age models, 175B(synthesis):67, 98
 background and objectives, 175A14:430
 biostratigraphy, 175A14:434, 436, 438–442
 carbonates and organic carbon, 175B(synthesis):92
 composite section, 175A14:442–443

coring, 175A14:431
 foraminifers and ostracodes, 175B(synthesis):94
 inorganic geochemistry, 175A14:443–445
 lithostratigraphy, 175A14:433–434
 operations, 175A14:430
 organic geochemistry, 175A14:445–447
 paleomagnetism, 175A14:442
 physical properties, 175A14:447–448
 productivity, 175B(synthesis):37–40, 95
 sand fraction, 175B(synthesis):93
 sedimentation rates, 175A14:434, 436, 438–442;
 175B(synthesis):14–15
 site description, 175A14:429–455
 site geophysics, 175A14:430–432
 upwelling, 175A1:18–19

Site 1087

age models, 175B(synthesis):68, 98
 background and objectives, 175A15:430
 biostratigraphy, 175A15:465–468
 carbonates and organic carbon, 175B(synthesis):92
 composite section, 175A15:471–472
 coring, 175A15:459
 downhole logging, 175A15:476–477
 inorganic geochemistry, 175A15:472–473
 lithostratigraphy, 175A15:460–465
 Miocene–Pleistocene sedimentary record, 175B6:1–19
 operations, 175A15:458–460
 organic geochemistry, 175A15:473–474
 paleomagnetism, 175A15:468, 470–471
 physical properties, 175A15:474–475
 productivity, 175B(synthesis):35–40
 sedimentation rates, 175A15:465–468; 175B(synthesis):14–15
 sediments, 175B2:1–11
 site description, 175A15:457–484
 site geophysics, 175A15:432–433
 stable isotopes, 175B12:1–22
 upper Quaternary foraminifers, 175B7:1–26
 upwelling, 175A1:18–19

Site 1088

background and objectives, 177A3:1–2
 bacteria, 177B3:1–12
 biostratigraphy, 177A3:6–10
 calcareous nannofossil stratigraphy, 177B7:1–14
 carbon isotopes, 177B(synthesis):48
 chronostratigraphy, 177A3:5–11
 coring summary, 177A1:55
 diatom stratigraphy, 177B10:1–14
 geochemistry, 177A3:12–13
 lithologic units, 177A3:4–5
 lithostratigraphy, 177A3:3–5
 operations, 177A3:2–3
 oxygen isotope stratigraphy, 177B9:3
 paleomagnetism, 177A3:10–11
 physical properties, 177A3:13–15
 principal results, 177A1:11–12
 site description, 177A3:1–66

Site 1089

background and objectives, 177A4:1–3
 biostratigraphy, 177A4:9–14
 carbon isotopes, 177B(synthesis):48

- chronostratigraphy, 177A4:8–15
 - coring summary, 177A1:56–57
 - geochemistry, 177A4:15–18; 177B1:1–14
 - ice core correlation with marine sediments, 177B(synthesis):17–19
 - lithostratigraphy, 177A4:5–8
 - Miocene diatom biostratigraphy, 177B11:5
 - operations, 177A4:3–5
 - oxygen isotope stratigraphy, 177B9:3–4
 - oxygen isotopes, 177B(synthesis):45
 - oxygen isotopes vs. Vostok ice deuterium, 177B(synthesis):54
 - paleomagnetism, 177A4:14
 - physical properties, 177A4:18–20
 - planktonic foraminifers, 177B(synthesis):53
 - principal results, 177A1:12–13
 - sediment composition, 177B13:1–10
 - site description, 177A4:1–97
 - summer sea-surface temperature, 177B(synthesis):45
- Site 1090
- background and objectives, 177A5:1–2
 - biostratigraphy, 177A5:8–17
 - calcareous nannofossil biostratigraphy, 177B8:1–9
 - calcareous nannofossil stratigraphy, 177B7:1–14
 - calcium carbonate stratigraphy, 177B6:1–24
 - carbon isotopes, 177B(synthesis):42, 48
 - chronostratigraphy, 177A5:8–19
 - coring summary, 177A1:58–59
 - geochemistry, 177A5:19–23
 - impact deposits, 177B4:1–9
 - lithostratigraphy, 177A5:4–7
 - Miocene diatom biostratigraphy, 177B11:6
 - operations, 177A5:2–4
 - oxygen isotope stratigraphy, 177B9:4–5
 - oxygen isotopes, 177B(synthesis):44
 - paleoclimatology, 177B14:1–23
 - paleomagnetism, 177A5:17
 - physical properties, 177A5:23–25
 - Pliocene/Pleistocene boundary, 177B(synthesis):43
 - principal results, 177A1:13–14
 - sediment composition, 177B13:1–10
 - sediment power spectra, 177B(synthesis):51
 - site description, 177A5:1–101
 - stratigraphy, 177B(synthesis):4–5
 - summer sea-surface temperature, 177B(synthesis):44
- Site 1091
- background and objectives, 177A6:1–2
 - biostratigraphy, 177A6:7–11
 - chronostratigraphy, 177A6:6–13
 - coring summary, 177A1:60–61
 - geochemistry, 177A6:13–15
 - lithostratigraphy, 177A6:4–6
 - Miocene diatom biostratigraphy, 177B11:7
 - operations, 177A6:2–4
 - oxygen isotope stratigraphy, 177B12:4
 - paleomagnetism, 177A6:11–12
 - physical properties, 177A6:15–18
 - principal results, 177A1:15–16
 - site description, 177A6:1–84
- Site 1092
- background and objectives, 177A7:1–2
 - biostratigraphy, 177A7:6–12
 - carbon isotope signals, 177B(synthesis):41
 - chronostratigraphy, 177A7:5–14
 - composite depths, 177A7:5–6
 - coring summary, 177A1:62–63
 - diatom stratigraphy, 177B10:1–14
 - geochemistry, 177A7:14–15
 - lithostratigraphy, 177A7:3–5
 - Miocene diatom biostratigraphy, 177B11:8
 - operations, 177A7:2–3
 - oxygen isotopes, 177B(synthesis):41
 - paleomagnetism, 177A7:13
 - physical properties, 177A7:15–18
 - Pliocene ice-rafted debris, 177B5:1–6
 - Pliocene/Pleistocene boundary, 177B(synthesis):43
 - principal results, 177A1:16–17
 - site description, 177A7:1–82
- Site 1093
- background and objectives, 177A8:1–2
 - bacteria, 177B3:1–12
 - biostratigraphy, 177A8:10–14
 - chronostratigraphy, 177A8:9–15
 - composite depths, 177A8:9–10
 - coring summary, 177A1:64–66
 - geochemistry, 177A8:15–18
 - ice core correlation with marine sediments, 177B(synthesis):19
 - lithostratigraphy, 177A8:6–9
 - Miocene diatom biostratigraphy, 177B11:9
 - opal, 177B2:1–5
 - operations, 177A8:2–6
 - oxygen isotope stratigraphy, 177B9:5; 12:4
 - paleomagnetism, 177A8:14
 - physical properties, 177A8:18–20
 - principal results, 177A1:17–18
 - site description, 177A8:1–104
 - summer sea-surface temperature, 177B(synthesis):46
 - wireline logging, 177A8:20–22
- Site 1094
- background and objectives, 177A9:1–2
 - biostratigraphy, 177A9:8–11; 177B11:10
 - chronostratigraphy, 177A9:7–12
 - composite depths, 177A9:7–8
 - coring summary, 177A1:67
 - geochemistry, 177A9:12–14
 - ice core correlation with marine sediments, 177B(synthesis):19
 - lithostratigraphy, 177A9:5–7
 - opal, 177B2:1–5
 - operations, 177A9:2–5
 - oxygen isotope stratigraphy, 177B9:5; 12:3–4
 - paleomagnetism, 177A9:11
 - physical properties, 177A9:14–16
 - principal results, 177A1:19–20
 - site description, 177A9:1–73
 - summer sea-surface temperature, 177B(synthesis):46
- Site 1095
- background and objectives, 178A4:1–2
 - biostratigraphy, 178A4:13–16; 178B2:1–10; 13:1–22; 28:1–22; 29:3–4, 13–15; 36:6–7, 22, 32–34
 - bulk sediment parameters, 178B15:1–19

- clay mineralogy, 178B8:1–29
- composite depths, 178A4:31–32; 178B6:1–15
- coring summary, 178A4:119–120
- downhole measurements, 178A4:27–30
- geochemistry, 178B4:1–12
- grain size, 178B12:1–34; 24:1–27
- ice-rafted debris, 178B11:1–23
- inorganic geochemistry, 178A4:21–24
- lithostratigraphy, 178A1:6–8; 4:4–13, 121
- magnetobiochronology, 178B36:1–40
- magnetostratigraphy, 178B31:1–23; 36:7–8, 22, 28, 37–39; 37:1–61
- Miocene, 178B36:11–12
- Neogene glaciation, 178B25:1–25
- objectives, 178A2:20–21
- oceanography, 178A4:30–31
- opal, 178B23:1–33
- operations, 178A4:2–3
- organic geochemistry, 178A4:20–21
- paleomagnetism, 178A4:16–20
- physical properties, 178A4:24–27; 178B17:5–6; 32:1–43
- Pleistocene, 178B36:12–13
- sedimentation rates, 178A4:32–33
- seismic stratigraphy, 178A4:33–38
- site description, 178A4:1–173
- spectral reflectance data, 178B21:1–22
- Site 1096
 - background and scientific objectives, 178A5:1–2
 - biostratigraphy, 178A5:12–15; 178B2:1–10; 26:1–21; 29:4–5, 16–21; 36:9, 23, 32–36
 - bulk sediment parameters, 178B15:1–19
 - clay mineralogy, 178B8:1–29
 - composite depths, 178A5:29–30; 178B6:1–15
 - coring summary, 178A5:101–102
 - downhole measurements, 178A5:26–29
 - geochemistry, 178B4:1–12
 - grain size, 178B12:1–34
 - ice-rafted debris, 178B11:1–23
 - inorganic geochemistry, 178A5:18–21
 - lithostratigraphy, 178A1:8–9; 5:4–12
 - magnetic minerals, 178B14:1–12
 - magnetobiochronology, 178B36:1–40
 - magnetostratigraphy, 178B31:1–23; 36:9–10, 23, 38–39; 37:1–61
 - objectives, 178A2:20–21
 - opal, 178B23:1–33
 - operations, 178A5:2–4
 - organic geochemistry, 178A5:16–18
 - paleomagnetism, 178A5:15–16
 - physical properties, 178A5:21–26; 178B17:6–7; 32:1–43
 - sedimentation rates, 178A5:30
 - seismic stratigraphy, 178A5:31–34
 - site description, 178A5:1–144
 - spectral reflectance data, 178B21:1–22
 - stable isotopes, 178B20:1–10
 - upper Pliocene impact, 178B9:1–6
- Site 1097
 - background and objectives, 178A6:1–2
 - biostratigraphy, 178A6:8–11; 178B28:1–22
- clay mineralogy, 178B8:8
- geochemistry, 178B4:1–12
- inorganic geochemistry, 178A6:14–15
- lithostratigraphy, 178A6:3–8
- objectives, 178A2:21
- operations, 178A6:2–3
- organic geochemistry, 178A6:13–14
- paleomagnetism, 178A6:11–13
- physical properties, 178A6:15–18
- sedimentary record, 178A1:11–13
- seismic stratigraphy, 178A6:18–20
- site description, 178A6:1–55
- volcanic clasts, 178B22:1–26
- Site 1098
 - background and objectives, 178A7:1–2
 - biogenic opal, 178B1:1–7
 - biostratigraphy, 178A7:10–11
 - calcareous nannofossils, 178B26:4
 - chemical analysis, 199A6:18
 - composite depths, 178A7:20–21; 178B5:1–35
 - coring summary, 178A7:79
 - inorganic geochemistry, 178A7:13–15
 - lithostratigraphy, 178A7:3–6, 8–10
 - mass accumulation rates, 178B3:1–20
 - microfabric, 178B18:1–17
 - objectives, 178A2:22
 - operations, 178A7:2–3
 - organic geochemistry, 178A7:12–13
 - paleoclimatology, 178B7:1–45
 - paleomagnetism, 178A7:11–12
 - petrophysical units, 178B30:1–17
 - physical properties, 178A7:17–20
 - radiolarians, 178B33:1–14
 - sedimentary record, 178A1:15–17; 2:16–17; 178B34:1–14
 - seismic stratigraphy, 178A7:22–26
 - site description, 178A7:1–110
 - spectral reflectance data, 178B21:1–22
- Site 1099
 - background and objectives, 178A7:1–2
 - biostratigraphy, 178A7:10–11
 - composite depths, 178A7:20–21; 178B5:1–35
 - coring summary, 178A7:79
 - inorganic geochemistry, 178A7:15–16
 - lithostratigraphy, 178A7:6–10
 - objectives, 178A2:22
 - operations, 178A7:2–3
 - organic geochemistry, 178A7:12–13
 - paleomagnetism, 178A7:11–12
 - petrophysical units, 178B30:1–17
 - physical properties, 178A7:17–20
 - sedimentary record, 178A1:15–17; 2:16–17; 178B34:1–14
 - seismic stratigraphy, 178A7:22–26
 - site description, 178A7:1–110
 - spectral reflectance data, 178B21:1–22
- Site 1100
 - background and scientific objectives, 178A9:1–3
 - biostratigraphy, 178A9:11–12; 178B28:1–22
 - coring summary, 178A9:79–80
 - inorganic geochemistry, 178A9:15

- lithostratigraphy, 178A9:5–6
- objectives, 178A2:21
- operations, 178A9:3–4
- paleomagnetism, 178A9:12–15
- physical properties, 178A9:15–19
- sedimentary record, 178A1:13–14
- seismic stratigraphy, 178A9:22–25; 178B16:5
- site description, 178A9:1–83
- Site 1101
 - background and scientific objectives, 178A8:1–2
 - biostratigraphy, 178A8:9–11; 178B29:5, 22–24; 26:1–21; 36:10, 24, 32–33
 - bulk sediment parameters, 178B15:1–19
 - coring summary, 178A8:64
 - geochemistry, 178B4:1–12
 - glacial signal, 178B10:1–22
 - grain size, 178B12:1–34
 - ice-rafted debris, 178B11:1–23
 - inorganic geochemistry, 178A8:13–15
 - lithostratigraphy, 178A1:9–11; 8:2–9
 - magnetobiochronology, 178B36:1–40
 - magnetostratigraphy, 178B36:10–11, 24, 38–39; 37:1–61
 - objectives, 178A2:20–21
 - opal, 178B23:1–33
 - operations, 178A8:2
 - organic geochemistry, 178A8:12–13
 - paleomagnetism, 178A8:11–12
 - physical properties, 178A8:15–19; 178B17:7
 - sedimentation rates, 178A8:19–20
 - seismic stratigraphy, 178A8:20–22
 - site description, 178A8:1–83
 - spectral reflectance data, 178B21:1–22
 - stable isotopes, 178B20:1–10
- Site 1102
 - background and scientific objectives, 178A9:1–3
 - coring summary, 178A9:79–80
 - lithostratigraphy, 178A9:9–10
 - objectives, 178A2:21
 - operations, 178A9:4–5
 - paleomagnetism, 178A9:12–15
 - physical properties, 178A9:15–19
 - sedimentary record, 178A1:14
 - seismic stratigraphy, 178A9:22–25; 178B16:4
 - site description, 178A9:1–83
- Site 1103
 - background and scientific objectives, 178A9:1–3
 - biostratigraphy, 178A9:11–12; 178B28:1–22
 - composite velocity profile, 178B19:1–34
 - coring summary, 178A9:79–80
 - downhole measurements, 178A9:19–22
 - geochronology, 178B27:1–8
 - lithostratigraphy, 178A9:6–9
 - objectives, 178A2:21
 - operations, 178A9:5
 - organic geochemistry, 178A9:15
 - paleomagnetism, 178A9:12–15
 - physical properties, 178A9:15–19
 - sedimentary record, 178A1:14–15
 - seismic stratigraphy, 178A9:22–25
 - seismic units, 178B16:5–6
 - site description, 178A9:1–83
 - volcanic clasts, 178B22:1–26
- Site 1104
 - drilling, 179A1:5–6; 4:1–183
 - principal results, 179A2:2–3
 - site description, 179A2:2–3
- Site 1105
 - acceleration, 179B1:5–6
 - alteration, 179A4:42–48
 - core-log correlation, 179B3:1–29
 - coring summary, 179A2:12
 - downhole logging, 179A4:60–65
 - drilling, 179A1:7–9; 4:23–24
 - gabbro, 179B2:1–76
 - geochemistry, 179A4:45–48
 - igneous petrology, 179A4:29–42
 - lithostratigraphy, 179A1:16; 2:11; 4:30–34; 179B(synthesis):7–11
 - magnetic susceptibility, 179B(synthesis):7–11
 - metamorphic petrology, 179A4:42–48
 - operations, 179A4:14–29, 183
 - oxide-rich zone correlation, 179B(synthesis):47
 - physical properties, 179A4:57–60
 - principal results, 179A2:3–6
 - seismic while drilling, 179A4:65–67
 - site description, 179A2:3–6; 4:1–183
 - structural geology, 179A4:48–57
- Site 1106
 - drilling, 179A1:6–7; 4:1–183
 - principal results, 179A2:6–8
 - site description, 179A2:6–8
- Site 1107
 - acceleration, 179B1:6
 - background, 179A5:2–3
 - drilling, 179A1:9–11
 - NERO site, 179A5:1–28
 - operations, 179A5:7–10
 - principal results, 179A2:8–10
 - scientific objectives, 179A5:3–6
 - seismic while drilling, 179A5:10–12
 - site description, 179A2:8–10; 5:1–28
 - site selection and characteristics, 179A5:6–7
- Site 1108
 - biostratigraphy, 180A5:24–27
 - coring summary, 180A5:109–116
 - downhole measurements, 180A5:40–43
 - hydrocarbons, 180A1:27
 - inorganic geochemistry, 180A5:30–33; 180B6:14–15
 - lithostratigraphy, 180A5:6–19; 180B6:14–15
 - microbiology, 180A5:34–35
 - operations, 180A5:3–6
 - organic geochemistry, 180A5:33–34; 180B16:1–19
 - paleomagnetism, 180A5:27–30
 - permeability, 180B23:1–14
 - physical properties, 180A5:35–40
 - sandstone, 180B7:13
 - site description, 180A5:1–134
 - site summary, 180A1:10–11
 - structural geology, 180A5:19–24
- Site 1109
 - biostratigraphy, 180A6:43–48

- composite depths, 180A6:79
 - core-log correlation, 180B5:1–25
 - coring summary, 180A6:226–245
 - diabase, 180B3:6
 - downhole measurements, 180A6:69–76
 - gases, 180B18:1–14
 - geochronology, 180B2:1–35
 - igneous and metamorphic petrology, 180A6:35–38
 - inorganic geochemistry, 180A6:54–59; 180B6:9–12
 - lithostratigraphy, 180A6:7–35; 180B6:9–12
 - microbiology, 180A6:60–61; 180B19:1–12
 - operations, 180A6:4–6
 - organic geochemistry, 180A6:59–60; 180B16:1–19
 - paleomagnetism, 180A6:48–53; 180B20:3–4, 8, 11–12, 14–15
 - physical properties, 180A6:61–69
 - pore water, 180B17:1–20
 - sandstone, 180B7:10–12
 - sediment hydrology, 180B22:1–22
 - site description, 180A6:1–298
 - site summary, 180A1:5–8
 - structural geology, 180A6:38–43; 180B25:24
 - turbidites, 180B9:5–9
 - vertical seismic profile and depth conversion, 180A6:76–79
- Site 1110
- lithostratigraphy, 180A7:6–8
 - operations, 180A7:3–4
 - paleomagnetism, 180B20:4–5, 10–15
 - site summary, 180A1:12–13
- Site 1111
- lithostratigraphy, 180A7:9–10
 - operations, 180A7:4, 71–72
 - site summary, 180A1:12–13
- Site 1112
- lithostratigraphy, 180A7:10–11
 - operations, 180A7:4–5, 73–74
 - sandstone, 180B7:16
 - site summary, 180A1:12–13
- Site 1113
- operations, 180A7:6, 75
 - site summary, 180A1:12–13
- Site 1114
- biostratigraphy, 180A8:27–29
 - coring summary, 180A8:120–124
 - downhole measurements, 180A8:38–43
 - geochronology, 180B2:1–35
 - igneous and metamorphic petrology, 180A8:16–20
 - inorganic geochemistry, 180A8:30–31; 180B6:15–16
 - lithostratigraphy, 180A8:3–16; 180B6:15–16
 - microbiology, 180A8:32
 - operations, 180A8:2–3
 - organic geochemistry, 180A8:31–32
 - paleomagnetism, 180A8:29–30
 - physical properties, 180A8:32–38
 - sandstone, 180B7:15
 - site description, 180A8:1–139
 - site summary, 180A1:14–15
 - structural geology, 180A8:20–26; 180B24:1–43
- Site 1115
- biostratigraphy, 180A9:31–34
 - core-log correlation, 180B5:1–25
 - coring summary, 180A9:163–180
 - downhole measurements, 180A9:52–59
 - gases, 180B18:1–14
 - inorganic geochemistry, 180A9:38–45; 180B6:5–9
 - lithostratigraphy, 180A9:5–28; 180B6:5–9
 - microbiology, 180A9:45–46; 180B19:1–12
 - operations, 180A9:3–5
 - organic geochemistry, 180A9:45
 - paleomagnetism, 180A9:34–38; 180B20:4, 9, 11–15
 - permeability, 180B23:1–14
 - physical properties, 180A9:47–52
 - Pliocene paleoclimatology, 180B11:1–15
 - pore water, 180B17:1–20
 - sandstone, 180B7:8–10
 - site description, 180A9:1–226
 - site summary, 180A1:3–5
 - structural geology, 180A9:28–31; 180B25:15–19
 - turbidites, 180B9:5–9
 - vertical seismic profiles, 180A9:59–61
- Site 1116
- biostratigraphy, 180A10:14–15
 - coring summary, 180A10:64
 - coring summary by section, 180A10:65–66
 - inorganic geochemistry, 180A10:17; 180B6:16
 - lithostratigraphy, 180A10:4–12; 180B6:16
 - operations, 180A10:2–4
 - organic geochemistry, 180A10:17
 - paleomagnetism, 180A10:15–16
 - physical properties, 180A10:17–20
 - sandstone, 180B7:15–16
 - site description, 180A10:1–75
 - site summary, 180A1:15–16
 - structural geology, 180A10:12–14
- Site 1117
- biostratigraphy, 180A11:8
 - coring summary, 180A11:36–37
 - coring summary by section, 180A11:38–39
 - gabbro, 180B3:7
 - geochronology, 180B2:1–35
 - igneous and metamorphic petrology, 180A11:3–7
 - magnetic anisotropy, 180B21:1–7
 - operations, 180A11:2–3
 - organic geochemistry, 180A11:10
 - paleomagnetism, 180A11:9–10
 - physical properties, 180A11:10–11
 - retrograde metamorphism, 180B3:8–10
 - site description, 180A11:1–45
 - site summary, 180A1:13–14
 - structural geology, 180A11:7–8
- Site 1118
- biostratigraphy, 180A12:31–33
 - core-log correlation, 180B5:1–25
 - coring summary, 180A12:163–177
 - diabase, 180B3:7
 - downhole measurements, 180A12:45–51
 - geochronology, 180B2:1–35; 12:1–5
 - igneous and metamorphic petrology, 180A12:25–27
 - inorganic geochemistry, 180A12:36–39; 180B6:12–14
 - lithostratigraphy, 180A12:4–25; 180B6:12–14
 - microbiology, 180A12:41

operations, 180A12:3–4
organic geochemistry, 180A12:40
paleomagnetism, 180A12:33–35
permeability, 180B23:1–14
physical properties, 180A12:41–45
pore water, 180B17:1–20
sandstone, 180B7:12–13
site description, 180A12:1–213
site summary, 180A1:8–9
structural geology, 180A12:28–30; 180B25:5–14
turbidites, 180B9:5–9
vertical seismic profile and depth conversion,
180A12:52–53

Site 1119

age models and sedimentation rates, 181A3:21;
181B1:13
background and objectives, 181A3:1–3
biostratigraphy, 181A3:11–18
composite depths, 181A3:20–21
coring summary, 181A1:69–70; 3:72–85
dissolved manganese, 181B1:28; 5:1–5
downhole measurements, 181A3:27–29
glacial/interglacial cycles, 181B1:58
inorganic geochemistry, 181A3:21–24
intermediate water, 181B1:57
lithologic units, 181A1:11–14
lithostratigraphy, 181A3:4–11
operations, 181A3:3–4
organic geochemistry, 181A3:24–25
paleoclimatology, 181B1:89
paleomagnetism, 181A3:18–20
physical properties, 181A3:25–27
reflectance, 181B4:1–50
site description, 181A3:1–112
stable isotopes, 181B1:29–31
Subtropical Front, 181B1:37–38
sulfate reduction, 181B7:1–15
summary, 181A1:11–14
summary log, 181A1:49–51

Site 1120

age models and sedimentation rates, 181A4:17–18
background and objectives, 181A4:1–2
biostratigraphy, 181A4:7–15
composite depths, 181A4:16–17
coring summary, 181A1:71; 4:47–53
hiatuses, 189B6:11
inorganic geochemistry, 181A4:18–20
lithologic units, 181A1:15–18
lithostratigraphy, 181A4:3–7
Neogene chalk, 181B1:57
operations, 181A4:2–3
organic geochemistry, 181A4:20–21
paleomagnetism, 181A4:15–16
physical properties, 181A4:21–22
reflectance, 181B4:1–50
site description, 181A4:1–77
sulfate reduction, 181B7:1–15
summary, 181A1:15–18
summary log, 181A1:52–53

Site 1121

age models and sedimentation rates, 181A5:18–19;
181B1:13–14
background and objectives, 181A5:1–2
biostratigraphy, 181A5:8–15
carbonate content, 181B8:1–5
carbonates, 181B1:27
coring summary, 181A1:72; 5:53–55
Cretaceous–Paleogene sediment apron, 181B1:55
inorganic geochemistry, 181A5:19–21
lithologic units, 181A1:18–20
lithostratigraphy, 181A5:3–8
Oligocene erosion, 181B1:56
operations, 181A5:2–3
organic geochemistry, 181A5:22
Paleocene radiolarian biostratigraphy, 181B1:15–16
paleomagnetism, 181A5:15–18
physical properties, 181A5:22–24
reflectance, 181B4:1–50
sedimentation, 181B1:32
site description, 181A5:1–62
stable isotopes, 181B1:29–31
stratigraphy, 181B1:90
sulfate reduction, 181B7:1–15
summary, 181A1:18–20
summary log, 181A1:54
thermohaline circulation, 181B1:55–56

Site 1122

age models and sedimentation rates, 181A6:25–27;
181B1:14
background and objectives, 181A6:1–2
biostratigraphy, 181A6:13–20
composite depths, 181A6:24–25
coring summary, 181A1:73–74; 6:84–96
dissolved manganese, 181B1:28; 5:1–5
downhole measurements, 181A6:33–34
inorganic geochemistry, 181A6:27–30
lithologic units, 181A1:20–23
lithostratigraphy, 181A6:4–12
operations, 181A6:3–4
organic geochemistry, 181A6:30–31
paleomagnetism, 181A6:20–24
physical properties, 181A6:32–33
reflectance, 181B4:1–50
sedimentation, 181B1:33
site description, 181A6:1–146
submarine channel sediment supply, 181B1:58–59
sulfate reduction, 181B7:1–15
summary, 181A1:20–23
summary log, 181A1:55–58

Site 1123

age models and sedimentation rates, 181A7:34–37;
181B1:14–15, 92
background and objectives, 181A7:1–2
biogenic opal, 181B6:1–12
biostratigraphy, 181A7:13–26; 181B1:91; 2:1–22
clay mineralogy, 181B1:26–27, 100
composite depths, 181A7:32–34
coring summary, 181A1:75–76; 7:113–132
Cretaceous–Paleogene sediment apron, 181B1:55
dissolved manganese, 181B1:28; 5:1–5

downhole measurements, 181A7:43–46
Eocene–Oligocene nannofossil biostratigraphy, 181B1:16
foraminifers, 181B1:96, 98
glacial/interglacial cycles, 181B1:58
inorganic geochemistry, 181A7:37–40; 181B9:1–10
lithologic units, 181A1:23–27
lithostratigraphy, 181A7:4–13
major elements, 181B1:27–28
mass accumulation rates, 181B1:102
obliquity, 181B1:103
Oligocene erosion, 181B1:56
Oligocene sediment drift, 181B1:56–57
operations, 181A7:2–4
organic geochemistry, 181A7:40–41
paleomagnetism, 181A7:26–32; 181B1:91
palynomorphs, 181B1:97
physical properties, 181A7:41–43
plate boundary volcanism, 181B1:59
Pliocene–Pleistocene palynomorphs, 181B1:22
Pliocene–Quaternary paleocirculation, 181B1:22–23
pore water, 181B1:38
reflectance, 181B4:1–50
sedimentation, 181B1:33–35; 3:1–21
site description, 181A7:1–184
stable isotopes, 181B1:29–31; 10:1–20
sulfate reduction, 181B7:1–15
summary, 181A1:23–27
summary log, 181A1:59–62; 7:55–59
tephra, 181B1:99
thermohaline circulation, 181B1:55–56
upper Miocene bolboforms and planktonic foraminifer biostratigraphy, 181B1:17

Site 1124
age models and sedimentation rates, 181A8:28–29
background and objectives, 181A8:1–2
biogenic opal, 181B6:1–12
biostratigraphy, 181A8:12–23; 181B2:1–22
composite depths, 181A8:27–28
coring summary, 181A1:77–78; 8:89–102
Cretaceous–Paleogene sediment apron, 181B1:55
downhole measurements, 181A8:36–39
drift deposits, 181B1:45
Eocene–Oligocene nannofossil biostratigraphy, 181B1:16
foraminifers, 181B1:96
inorganic geochemistry, 181A8:30–32
lithologic units, 181A1:27–31
lithostratigraphy, 181A8:3–11, 45–48
obliquity, 181B1:103
Oligocene erosion, 181B1:56
Oligocene sediment drift, 181B1:56–57
operations, 181A8:2–3
organic geochemistry, 181A8:33
paleomagnetism, 181A8:23–27
physical properties, 181A8:34–35
plate boundary volcanism, 181B1:59
reflectance, 181B4:1–50
sedimentation, 181B1:35–36, 104
site description, 181A8:1–137
submarine channel sediment supply, 181B1:58–59

sulfate reduction, 181B7:1–15
summary, 181A1:27–31
summary log, 181A1:63–65
tephra, 181B1:99
thermohaline circulation, 181B1:55–56

Site 1125
age models and sedimentation rates, 181A9:18–19
background and objectives, 181A9:1–2
biogenic opal, 181B6:1–12
biostratigraphy, 181A9:9–16; 181B1:17–18, 21–22
composite depths, 181A9:17–18
coring summary, 181A1:79–80; 9:61–76
dissolved manganese, 181B1:28; 5:1–5
downhole measurements, 181A9:22–25
glacial–interglacial cycles, 181B1:58
inorganic geochemistry, 181A9:19–21
intermediate water, 181B1:57
lithologic units, 181A1:31–33
lithostratigraphy, 181A9:3–9
operations, 181A9:2–3
paleomagnetism, 181A9:16–17
physical properties, 181A9:22; 181B1:31
plate boundary volcanism, 181B1:59
reflectance, 181B4:1–50
site description, 181A9:1–92
summary, 181A1:31–33, 66–68

Site 1126
background and objectives, 182A4:1–2
biostratigraphy, 182A4:12–23; 182B3:8–9, 55–58; 4:5–6
carbonate mineralogy, 182B10:1–14
composite depths, 182A4:26–29
coring summary, 182A4:85–87
downhole measurements, 182A4:35–39
geochemistry, 182B16:17
hiatuses, 189B6:11
inorganic geochemistry, 182A4:30–33
lithostratigraphy, 182A4:4–12
operations, 182A4:2–4
organic geochemistry, 182A4:29–30
paleomagnetism, 182A4:24–26
physical properties, 182A4:33–35
planktonic foraminifers, 182B3:55–58; 4:5–6, 19
principal results summary, 182A1:16–19
seismic stratigraphy, 182A4:39–42
site description, 182A4:1–110

Site 1127
background and objectives, 182A5:1–2
biostratigraphy, 182A5:9–14; 182B6:1–11
carbonate mineralogy, 182B10:1–14; 11:9–10
coring summary, 182A5:69–70
downhole measurements, 182A5:23–25
geochemistry, 182B16:18–19
geochronology, 182B8:5–6
hiatuses, 189B6:11
inorganic geochemistry, 182A5:19–21
isotope stratigraphy, 182B15:1–13
lithostratigraphy, 182A5:3–9
operations, 182A5:2–3
organic geochemistry, 182A5:17–18
paleomagnetism, 182A5:14–17

physical properties, 182A5:21–23
principal results summary, 182A1:19–22
salinity, 182A1:14
sediments, 182B8:24
seismic stratigraphy, 182A5:26–28
site description, 182A5:1–90
stable isotopes, 182B11:9–10; 15:11–12

Site 1128

background and objectives, 182A6:1–2
biostratigraphy, 182A6:11–22; 182B2:1–24; 3:9–10
carbonate mineralogy, 182B10:1–14
composite depths, 182A6:25–26
coring summary, 182A6:87–89
downhole measurements, 182A6:33–36
geochemistry, 182B16:20
geochemistry and mineralogy, 182B14:1–17
inorganic geochemistry, 182A6:27–30
lithostratigraphy, 182A6:3–11
nonmagnetic APC assembly, 182A(appendix):4–6
operations, 182A6:2–3
organic geochemistry, 182A6:27
paleomagnetism, 182A6:22–24
physical properties, 182A6:30–33
planktonic foraminifers, 182B3:59–60
principal results summary, 182A1:22–25
seismic stratigraphy, 182A6:36–39
site description, 182A6:1–113

Site 1129

background and objectives, 182A7:1–2
biostratigraphy, 182A7:12–16
carbonate mineralogy, 182B10:1–14; 11:11–12
cool-water bryozoans, 182B13:1–29
coring summary, 182A7:65–67
downhole measurements, 182A7:26–28
geochemistry, 182B16:21
inorganic geochemistry, 182A7:20–23
lithostratigraphy, 182A7:4–12
operations, 182A7:2–4
organic geochemistry, 182A7:19–20
paleomagnetism, 182A7:16–19
physical properties, 182A7:23–26
principal results summary, 182A1:25–28
salinity, 182A1:14
sediments, 182B8:22
seismic stratigraphy, 182A7:28
site description, 182A7:1–86
stable isotopes, 182B11:11–12; 13:1–29

Site 1130

background and objectives, 182A8:1–2
biostratigraphy, 182A8:10–19; 182B3:10–11; 4:6
carbonate mineralogy, 182B10:1–14
composite depths, 182A8:21–22
cool-water carbonate platforms, 182B9:1–15
coring summary, 182A8:71–73
downhole measurements, 182A8:28–30
geochemistry, 182B16:22
geochronology, 182B8:4–5
hiatuses, 189B6:11
inorganic geochemistry, 182A8:23–25
lithostratigraphy, 182A8:3–10
operations, 182A8:2–3

organic geochemistry, 182A8:23
paleomagnetism, 182A8:19–21
physical properties, 182A8:25–27
planktonic foraminifers, 182B3:61–62; 4:6, 20
principal results summary, 182A1:28–30
sediments, 182B8:20
seismic stratigraphy, 182A8:30–32
site description, 182A8:1–98

Site 1131

background and objectives, 182A9:1–2
biostratigraphy, 182A9:9–14; 182B13:1–29
carbonate mineralogy, 182B10:1–14; 11:13–14
composite depths, 182A9:16–17
coring summary, 182A9:57–58
downhole measurements, 182A9:23–26
geochemistry, 182B16:23
geochronology, 182B8:5
inorganic geochemistry, 182A9:18–21
lithostratigraphy, 182A9:3–8
nonmagnetic shoe, 182A(appendix):6–7
operations, 182A9:2–3
organic geochemistry, 182A9:17–18
paleomagnetism, 182A9:14–16
physical properties, 182A9:21–23
principal results summary, 182A1:30–33
salinity, 182A1:14
sediments, 182B8:23
seismic stratigraphy, 182A5:26–28; 9:26
site description, 182A9:1–82
stable isotopes, 182B11:13–14; 13:1–29

Site 1132

background and objectives, 182A10:1–2
biostratigraphy, 182A10:13–21; 182B3:11–12, 36, 63–65; 4:7, 21; 13:1–29
carbonate mineralogy, 182B10:1–14; 12:1–11
coring summary, 182A10:70–71
downhole measurements, 182A10:29–31
geochemistry, 182B16:24
geochronology, 182B8:4
hiatuses, 189B6:11
inorganic geochemistry, 182A10:23–25
lithostratigraphy, 182A10:3–12
operations, 182A10:2–3
organic geochemistry, 182A10:22–23
paleomagnetism, 182A10:21–22
physical properties, 182A10:25–28
principal results summary, 182A1:33–37
sediments, 182B8:19
seismic stratigraphy, 182A10:31–33
site description, 182A10:1–87
stable isotopes, 182B12:1–11; 13:1–29

Site 1133

background and objectives, 182A11:1–2
biostratigraphy, 182A11:7–10
composite depths, 182A11:12–13
coring summary, 182A11:35–36
inorganic geochemistry, 182A11:13–14
lithostratigraphy, 182A11:3–7
operations, 182A11:2–3
organic geochemistry, 182A11:13
paleomagnetism, 182A11:10–11

- physical properties, 182A11:14–16
- principal results summary, 182A1:37–38
- site description, 182A11:1–51
- Site 1134
 - background and objectives, 182A12:1–2
 - biostratigraphy, 182A12:8–17; 182B3:12–13, 66–67; 4:7–8, 22
 - composite depths, 182A12:18–19
 - coring summary, 182A12:59–60
 - downhole measurements, 182A12:23–26
 - geochronology, 182B8:5
 - inorganic geochemistry, 182A12:20–21
 - lithostratigraphy, 182A12:3–8
 - operations, 182A12:2–3
 - organic geochemistry, 182A12:19
 - paleomagnetism, 182A12:17–18
 - physical properties, 182A12:21–23
 - principal results summary, 182A1:38–42
 - sediments, 182B8:21
 - seismic stratigraphy, 182A12:26–29
 - site description, 182A12:1–80
- Site 1135
 - background and objectives, 183A3:1–2
 - biostratigraphy, 183A3:7–13
 - coring summary, 183A3:44–49
 - correlation with Sites 1136 and 1138, 183B4:37
 - lithologic units summary, 183A3:50
 - lithostratigraphy, 183A3:3–7
 - location map, 183A3:25
 - nannofossil biostratigraphy, 183B4:41
 - operations, 183A3:2–3
 - organic and inorganic geochemistry, 183A3:17–18
 - Paleocene–Eocene biostratigraphy, 183B4:4–6
 - paleomagnetism, 183A3:13–14
 - physical properties, 183A3:15–17
 - principal results, 183A1:12–15
 - seismic stratigraphy, 183A3:18–20
 - site description, 183A3:1–59
- Site 1136
 - alteration, 183B15:6
 - background and objectives, 183A4:1–2
 - biostratigraphy, 183A4:6–10; 183B4:6–7, 42–45
 - coring summary, 183A4:81–83
 - correlation with Sites 1135 and 1138, 183B4:37
 - igneous geochemistry, 183A4:17–20
 - igneous petrology, 183A4:17–20; 183B1:8–9
 - lava classification, 183B14:12
 - lithostratigraphy, 183A4:3–6
 - location map, 183A4:36
 - operations, 183A4:2–3
 - organic and inorganic geochemistry, 183A4:29
 - paleomagnetism, 183A4:23–26
 - physical properties, 183A4:26–28
 - physical volcanology, 183A4:10–17
 - principal results, 183A1:12–15
 - seismic stratigraphy, 183A4:29–30
 - site description, 183A4:1–96
 - structural geology, 183A4:22–23
- Site 1137
 - alteration, 183A5:38–43; 183B15:6–7
 - background and objectives, 183A5:1–2
 - biostratigraphy, 183A5:8–13
 - coring summary, 183A5:168–173
 - downhole measurements, 183A5:54–58
 - garnet sand grains, 183B16:1–8
 - igneous petrology, 183A5:28–37; 183B1:9–10
 - inorganic geochemistry, 183A5:51–52; 6:49
 - lava classification, 183B14:13
 - lithostratigraphy, 183A5:3–8
 - operations, 183A5:2–3
 - organic geochemistry, 183A5:51–52
 - paleomagnetism, 183A5:45–48
 - physical properties, 183A5:48–51
 - physical volcanology, 183A5:13–28
 - principal results, 183A1:15–19
 - seismic stratigraphy, 183A5:52–54
 - site description, 183A5:1–202
 - structural geology, 183A5:43–45
 - weathering, 183A5:38–43
- Site 1138
 - alteration, 183A6:49–52; 183B15:7–8
 - background and objectives, 183A6:1–2
 - biostratigraphy, 183A6:10–22; 183B2:1–28; 4:7–10, 46; 5:1–48; 9:1–53; 10:1–17; 11:1–20
 - coring summary, 183A6:166–176
 - correlation with Sites 1135 and 1136, 183B4:37
 - geochemistry, 183A6:49, 59
 - igneous petrology, 183A6:46–49; 183B1:10–11
 - lava classification, 183B14:14
 - lithologic units, 183A6:177; 183B10:11
 - lithostratigraphy, 183A6:3–10
 - Mid-Cretaceous paleobotany and palynology, 183B3:1–39
 - operations, 183A6:2–3
 - organic and inorganic geochemistry, 183A6:59
 - paleomagnetism, 183A6:53–56
 - physical properties, 183A6:56–59
 - physical volcanology, 183A6:22–46
 - principal results, 183A1:19–22
 - seismic stratigraphy, 183A6:59–61
 - site description, 183A6:1–205
 - structural geology, 183A6:52–53
 - weathering, 183A6:49–52
- Site 1139
 - alteration, 183A7:42–47
 - background and objectives, 183A7:1–2
 - biostratigraphy, 183A7:9–13
 - coring, 183A7:180–188
 - downhole measurements, 183A7:56–58
 - igneous geochemistry, 183A7:39
 - igneous petrology, 183A7:36–42; 183B1:12–13
 - inorganic geochemistry, 183A7:54
 - lava classification, 183B14:15
 - lithostratigraphy, 183A7:4–9
 - Oligocene–Holocene nannofossil biostratigraphy, 183B8:1–19
 - Oligocene–Miocene radiolarians, 183B5:26
 - Oligocene–Miocene terrigenous and pelagic sediments, 183B7:1–31
 - operations, 183A7:2–4
 - organic geochemistry, 183A7:54
 - paleomagnetism, 183A7:47–49

- physical properties, 183A7:49–53
 - physical volcanology, 183A7:13–36
 - principal results, 183A1:22–26
 - seismic stratigraphy, 183A7:54–56
 - site description, 183A7:1–213
 - weathering, 183A7:42–47
- Site 1140
- alteration and weathering, 183A8:19–22; 183B15:8–9
 - background and objectives, 183A8:1–2
 - biostratigraphy, 183A8:5–12; 183B11:1–20
 - coring summary, 183A8:101–105
 - downhole measurements, 183A8:29–32
 - geochemistry, 183A8:16–19
 - igneous petrology, 183A8:16–19; 183B1:13–14
 - lithostratigraphy, 183A8:3–5
 - Oligocene–Miocene diatom biostratigraphy, 183B6:1–21
 - Oligocene–Miocene radiolarians, 183B5:27
 - operations, 183A8:2–3
 - organic and inorganic geochemistry, 183A8:27
 - paleomagnetism, 183A8:22–24
 - physical properties, 183A8:24–27
 - physical volcanology, 183A8:12–16
 - principal results, 183A1:26–30
 - seismic stratigraphy, 183A8:28–29
 - site description, 183A8:1–122
- Site 1141
- alteration and weathering, 183A9:30–33
 - background and objectives, 183A9:1–2
 - biostratigraphy, 183A9:7–12
 - coring summary, 183A9:120–123
 - igneous petrology and geochemistry, 183A9:22–24; 183B1:11–12
 - lithostratigraphy, 183A9:5–7
 - operations, 183A9:2–3
 - organic and inorganic geochemistry, 183A9:41
 - paleomagnetism, 183A9:35–37
 - physical properties, 183A9:37–39
 - physical volcanology, 183A9:12–16
 - principal results, 183A1:30–33
 - site description, 183A9:1–137
- Site 1142
- alteration and weathering, 183A9:33–35
 - background and objectives, 183A9:1–2
 - coring summary, 183A9:120–123
 - igneous petrology and geochemistry, 183A9:24–30; 183B1:11–12
 - operations, 183A9:3–4
 - paleomagnetism, 183A9:35–37
 - physical properties, 183A9:39–41
 - physical volcanology, 183A9:16–22
 - principal results, 183A1:30–33
 - site description, 183A9:1–137
- Site 1143
- background and objectives, 184A4:1–2
 - biogenic opal, 184B21:1–12
 - biostratigraphy, 184A4:11–14; 184B6:1–9; 8:1–43
 - composite depth, 184A4:6–7, 84
 - coring summary, 184A4:81–83
 - inorganic geochemistry, 184A4:20–23
 - interval length between green clay events, 184B15:16
 - lithostratigraphy, 184A4:8–11
 - operations, 184A4:3–6
 - organic geochemistry, 184A4:18–20; 184B16:1–9
 - organic matter carbon isotopes, 184B20:1–13
 - paleomagnetism, 184A4:15–17
 - physical properties, 184A4:23–26
 - sediment geochemistry, 184B12:1–25
 - sedimentation and accumulation rates, 184A4:17–18
 - seismic stratigraphy, 184A2:4–5
 - site description, 184A4:1–103
 - splice tie points, 184A4:85
 - summary, 184A1:15–18
 - wireline logging, 184A4:26–29
- Site 1144
- background and objectives, 184A5:1–3
 - biostratigraphy, 184A5:9–11; 184B11:1–21
 - composite depths, 184A5:4–6, 77
 - coring summary, 184A5:74–76
 - high-resolution stable isotope stratigraphy, 184B2:1–29
 - inorganic geochemistry, 184A5:17–19
 - lithostratigraphy, 184A5:6–9
 - magnetic properties, 183B1:1–8
 - operations, 184A5:3–4
 - organic geochemistry, 184A5:13–17
 - organic matter carbon isotopes, 184B20:1–13
 - paleomagnetism, 184A5:11–13
 - physical properties, 184A5:19–22
 - sedimentation and accumulation rates, 184A5:13
 - sediments, 184B19:1–21
 - seismic stratigraphy, 184A2:5–6
 - site description, 184A5:1–97
 - splice tie points, 184A5:78
 - summary, 184A1:18–20
 - wireline logging, 184A5:22–24
- Site 1145
- background and objectives, 184A6:1–2
 - biostratigraphy, 184A6:7–8
 - composite depths, 184A6:3–4, 51
 - coring summary, 184A6:48–50
 - inorganic geochemistry, 184A6:13–15
 - interval length between green clay events, 184B15:16
 - lithostratigraphy, 184A6:4–7
 - operations, 184A6:2–3
 - organic geochemistry, 184A6:11–13
 - paleomagnetism, 184A6:8–10
 - physical properties, 184A6:15–17
 - sedimentation and accumulation rates, 184A6:10
 - seismic stratigraphy, 184A2:6–7
 - site description, 184A6:1–63
 - splice tie points, 184A6:52
 - summary, 184A1:20–22
- Site 1146
- background and objectives, 184A7:1–2
 - biostratigraphy, 184A7:10–12; 184B8:1–43; 10:1–24
 - composite depths, 184A7:4–5, 76–77
 - coring summary, 184A7:72–75
 - inorganic geochemistry, 184A7:17–19
 - interval length between green clay events, 184B15:16
 - lithostratigraphy, 184A7:5–10

- Miocene–Pleistocene sediment mineralogy, 184B14:1–10
operations, 184A7:3–4
organic geochemistry, 184A7:14–17; 184B16:1–9
organic matter carbon isotopes, 184B20:1–13
paleomagnetism, 184A7:12–13
physical properties, 184A7:19–22
Pleistocene paleoclimatic cyclicity, 184B22:1–10
pore water geochemistry, 184B13:1–15
sedimentation and accumulation rates, 184A7:13–14
seismic stratigraphy, 184A2:7–8
site description, 184A7:1–101
splice tie points, 184A7:78–79
stable isotope stratigraphy, 184B3:1–8
summary, 184A1:22–25
wireline logging, 184A7:22–25
- Site 1147
alkenone stratigraphy, 184B17:1–17
background and objectives, 184A8:1
biostratigraphy, 184A8:4–5; 184B10:1–24
composite depths, 184A8:2–3, 33
coring summary, 184A8:31–32
inorganic geochemistry, 184A8:7–9
lithostratigraphy, 184A8:3–4
operations, 184A8:2
organic geochemistry, 184A8:7
paleomagnetism, 184A8:5–6
physical properties, 184A8:9
sedimentation and accumulation rates, 184A8:7
seismic stratigraphy, 184A2:8–9
site description, 184A8:1–43
splice tie points, 184A8:34
stable isotope stratigraphy, 184B5:1–12
summary, 184A1:25–29
- Site 1148
alkenone stratigraphy, 184B17:1–17
background and objectives, 184A9:1–3
biostratigraphy, 184A9:12–14; 184B7:1–29; 9:1–26; 10:1–24
composite depths, 184A9:5, 91
coring summary, 184A9:87–90
inorganic geochemistry, 184A9:21–23
interval length between green clay events, 184B15:16–17
lithostratigraphy, 184A9:5–12
marine and terrigenous lipids, 184B18:1–16
operations, 184A9:3–4
organic geochemistry, 184A9:16–21
organic matter carbon isotopes, 184B20:1–13
paleomagnetism, 184A9:15
physical properties, 184A9:23–26
sedimentation and accumulation rates, 184A9:16
seismic stratigraphy, 184A2:8–9
site description, 184A9:1–122
splice tie points, 184A9:92
stable isotope stratigraphy, 184B5:1–12
summary, 184A1:25–29
wireline logging, 184A9:26–29
- Site 1149
background and objectives, 185A4:1–2
basement alteration, 185A4:25–26
basement stratigraphy, 185A4:21–23
biostratigraphy, 185A4:19–21; 185B2:1–31; 4:1–18; 5:1–21; 6:1–17
core-log correlation, 185B8:1–14
coring summary, 185A4:146–157
downhole measurements, 185A4:41–47
Early Cretaceous seafloor subduction, 185A1:20–28
electrical resistivity, 185B12:1–18
geochemical reference site, 185B1:15–17
geochronology, 185B13:1–20
igneous petrology and geochemistry, 185A4:23–24
Jurassic crust, 185B1:1–35
lithostratigraphy, 185A1:40, 51, 59, 61; 4:11–17, 54, 158
mass transfer properties, 185B11:1–14
microbiology, 185A4:47–49; 185B3:1–11
microfabric changes, 185B9:1–29
operations, 185A4:6–10
paleomagnetism, 185A4:34–37
physical properties, 185A4:38–41
Pleistocene deep-sea sediments, 185B7:1–21
pore water and headspace gas chemistry, 185A4:26–30
sedimentary geochemistry, 185A4:30–34
sedimentation rates, 185A4:37–38
sedimentology, 185A4:10–19
silica crystallization, 185B10:1–11
site description, 185A4:1–190
site geophysics, 185A4:2–6
stratigraphy, 185A1:11–12
- Site 1150
authigenic carbonates, 186B12:1–6
background and objectives, 186A4:1–2
biostratigraphy, 186A4:23–26; 186B2:6–8; 3:4–5; 4:1–31; 5:1–15; 7:3, 11, 15–17
borehole instruments, 186A4:57–59
composite depth scales, 186B8:1–23
core-log integration, 186B15:1–42
coring summary, 186A4:176–178
correlation with Site 438, 186B7:13–14
deep-sea terraces, 186A1:9–12
downhole measurements, 186A4:49–57
fluid geochemistry, 186B14:1–23
geochemistry, 186A4:37–41
jet-in test, 186A4:3–14
lithostratigraphy, 186A4:14–22; 186B14:17
marine organic matter, 186B11:1–17
operational summary, 186A1:37
operations, 186A4:2–3
paleoceanography, 186B3:1–21
paleomagnetism, 186A4:27–35
physical properties, 186A4:41–49
rock magnetism, 186B16:1–21
sedimentation rates, 186A4:35–37
site description, 186A4:1–209
structural geology, 186A4:60–65
summary, 186A1:9–12
tephra geochemistry, Japan Forearc, 186B9:10–11
triaxial shear strength, 186B17:1–19
upper Quaternary tephrostratigraphy, 186B10:1–22

Site 1151

alkenones, 186B13:1–12
authigenic carbonates, 186B12:1–6
background and objectives, 186A5:1–2
biostratigraphy, 186A5:17–21; 186B2:8–10; 3:5–7;
4:1–31; 5:1–15; 6:1–19; 7:3–4, 12, 18–20
borehole instruments, 186A5:36–37
composite depth scales, 186B8:1–23
core-log integration, 186B15:1–42
coring summary, 186A5:97–99
correlation with Site 438, 186B7:13–14
deep-sea terraces, 186A1:12–15
downhole measurements, 186A5:33–35
fluid geochemistry, 186B14:1–23
geochemistry, 186A5:25–27
lithostratigraphy, 186A5:7–17; 186B14:17
marine organic matter, 186B11:1–17
operational summary, 186A1:37
operations, 186A5:2–7
paleoceanography, 186B3:1–21
paleomagnetism, 186A5:22–23
physical properties, 186A5:27–33
rock magnetism, 186B16:1–21
sedimentation rates, 186A5:23–24
site description, 186A5:1–125
structural geology, 186A5:37–40
summary, 186A1:12–15
tephra geochemistry, 186B9:9
triaxial shear strength, 186B17:1–19
upper Quaternary tephrostratigraphy, 186B10:1–22

Site 1152

alteration, 187A3:7–8; 187B5:5
coring summary, 187A3:27
geochemistry, 187A3:9–11
igneous petrology, 187A3:4–7
lithologic units, 187A3:4–7, 28
microbiology, 187A3:8
operations, 187A3:2–4
principal results, 187A3:1–2
site description, 187A3:1–31
site geophysics, 187A3:8–9

Site 1153

alteration, 187A4:3–4; 187B5:5
coring summary, 187A4:20
geochemistry, 187A4:6–7
hafnium isotopes, 187B1:13
igneous petrology, 187A4:3
isocon plots, 187B5:22, 27
mantle domains, 187B1:11
microbiology, 187A4:4–5
operations, 187A4:2
principal results, 187A4:1–2
sediments, 187A4:5–6
site description, 187A4:1–22
site geophysics, 187A4:5

Site 1154

alteration, 187A5:3–4; 187B5:5
coring summary, 187A5:20
geochemistry, 187A5:6–7
igneous petrology, 187A5:2–3
microbiology, 187A5:4–5

operations, 187A5:2
principal results, 187A5:1–2
sediments, 187A5:6
site description, 187A5:1–22
site geophysics, 187A5:5

Site 1155

alteration, 187A6:5–7; 187B5:5
coring summary, 187A6:39
geochemistry, 187A6:9–12
igneous petrology, 187A6:3–5
lithologic units, 187A6:3–5
microbiology, 187A6:7
operations, 187A6:2–3
principal results, 187A6:1–2
sediments, 187A6:8–9
site description, 187A6:1–42
site geophysics, 187A6:8
strontium isotopes vs. neodymium isotopes,
187B1:29
structural geology, 187A6:7–8

Site 1156

alteration, 187A7:5–8; 187B5:6
coring summary, 187A7:36
geochemistry, 187A7:10–12
igneous petrology, 187A7:3–5
lithologic units, 187A7:3–5
microbiology, 187A7:8
operations, 187A7:2–3
principal results, 187A7:1–2
sediments, 187A7:9–10
site description, 187A7:1–39
site geophysics, 187A7:9
structural geology, 187A7:8–9

Site 1157

alteration, 187A8:7–8; 187B5:6
coring summary, 187A8:54
geochemistry, 187A8:10–12
igneous petrology, 187A8:2–7
lithologic units, 187A8:3–7
mantle domains, 187B1:11
microbiology, 187A8:8–9
operations, 187A8:2
principal results, 187A8:1–2
sediments, 187A8:9–10
site description, 187A8:1–56
structural geology, 187A8:9

Site 1158

alteration, 187A9:5–7; 187B5:6
coring summary, 187A9:24
geochemistry, 187A9:8–10
hafnium isotopes, 187B1:13
igneous petrology, 187A9:3–5
lithologic units, 187A9:5
mantle domains, 187B1:11
microbiology, 187A9:7
operations, 187A9:2–3
principal results, 187A9:1–2
sediments, 187A9:8
site description, 187A9:1–26
site geophysics, 187A9:7

Site 1159

alteration, 187A10:3–4; 187B5:6
coring summary, 187A10:27
geochemistry, 187A10:5–6
igneous petrology, 187A10:2–3
microbiology, 187A10:4
operations, 187A10:2
principal results, 187A10:1
sediments, 187A10:5
site description, 187A10:1–29
site geophysics, 187A10:4–5

Site 1160

alteration, 187A11:7–10; 187B5:6
coring summary, 187A11:38
geochemistry, 187A11:12–13
igneous petrology, 187A11:3–7
lithologic units, 187A11:3–7, 39
microbiology, 187A11:10
operations, 187A11:2–3
principal results, 187A11:1–2
sediments, 187A11:11–12
site description, 187A11:1–42
site geophysics, 187A11:11
strontium isotopes vs. neodymium isotopes,
187B1:29
structural geology, 187A11:10–11

Site 1161

alteration, 187A12:8–9; 187B5:6–7
coring summary, 187A12:44
geochemistry, 187A12:10–11
igneous petrology, 187A12:3–8
lithologic units, 187A12:3–9
microbiology, 187A12:9–10
operations, 187A12:2
principal results, 187A12:1–2
sediments, 187A12:10
site description, 187A12:1–47
site geophysics, 187A12:10

Site 1162

alteration, 187A13:7–11; 187B5:7
coring summary, 187A13:44
geochemistry, 187A13:14
igneous petrology, 187A13:3–7
lithologic units, 187A13:3–7
microbiology, 187A13:11
operations, 187A13:2–3
sediments, 187A13:13
site description, 187A13:1–46
site geophysics, 187A13:12
structural geology, 187A13:12

Site 1163

alteration, 187A14:4–5; 187B1:27; 5:7
coring summary, 187A14:31
geochemistry, 187A14:7–8
igneous petrology, 187A14:2–4
isocon plots, 187B1:27; 5:22
lithologic units, 187A14:2–4
microbiology, 187A14:5–6
operations, 187A14:2
principal results, 187A14:1–2
sediments, 187A14:6–7

site description, 187A14:1–33
site geophysics, 187A14:6
structural geology, 187A14:6

Site 1164

alteration, 187A15:7–9; 187B5:7
coring summary, 187A15:45
geochemistry, 187A15:11–12
igneous petrology, 187A15:2–7
lithologic units, 187A15:2–7
microbiology, 187A15:9–10
operations, 187A15:2
principal results, 187A15:1–2
sediments, 187A15:10
site description, 187A15:1–48
site geophysics, 187A15:10

Site 1165

background and objectives, 188A3:6–7
biostratigraphy, 188A3:21–38; 188B4:1–41; 6:1–25;
11:1–14
color alternations, 188A3:50–54
coring summary, 188A3:173–174
cyclic processes, 188B1:14–16
diffuse spectral reflectance, 188B12:1–27
downhole measurements, 188A3:62–68
in situ temperature, 188A3:62
inorganic geochemistry, 188A3:43–47
lithostratigraphy, 188A3:11–21; 188B9:1–16
methane, 188B15:1–15
operations, 188A3:7–10
organic geochemistry, 188A3:47–50
paleomagnetism, 188A3:39–43
paly-nology, 188B2:1–20
physical properties, 188A3:54–61
phytoliths, 188B5:1–12
Pliocene–Pleistocene interval, 188B13:1–38
principal results, 188A1:19–23; 3:1–6
sedimentation rates, 188A3:39
seismic profiles, 188A1:53–54; 3:11
site description, 188A3:1–191
site geophysics, 188A3:10–11
spectral data, 188B7:1–49
synthetic seismograms, 188B10:3, 8–9

Site 1166

background and objectives, 188A4:6–7
biostratigraphy, 188A4:17–26; 188B4:1–41; 6:1–25
composite section, 188B1:32
coring summary, 188A4:100–101
correlation with Site 742, 188B8:1–21
cyclic processes, 188B1:16
downhole measurements, 188A4:36–42
inorganic geochemistry, 188A4:29–30
lithostratigraphy, 188A4:9–17
methane, 188B15:1–15
operations, 188A4:7–9
organic geochemistry, 188A4:31–32
organic matter, 188B16:1–11
paleomagnetism, 188A4:26–29
paly-nology, 188B3:1–43
physical properties, 188A4:32–36
phytoliths, 188B5:1–12
principal results, 188A1:11–16; 4:1–6

sedimentation rates, 188A4:26
seismic profiles, 188A1:40
site description, 188A4:1–110
summary and conclusions, 188A4:42
synthetic seismograms, 188A4:41; 188B10:3, 9–11

Site 1167

background and objectives, 188A5:5
biostratigraphy, 188A5:13–19; 188B4:1–41
composite section, 188B1:35–36
coring summary, 188A5:85–86
cyclic processes, 188B1:16–17
downhole measurements, 188A5:30–34
inorganic geochemistry, 188A5:23–24
lithostratigraphy, 188A5:7–13; 188B14:6–10, 30
operations, 188A5:6–7
organic geochemistry, 188A5:24–25
paleomagnetism, 188A5:19–22
palynology, 188B2:1–20
physical properties, 188A5:25–30
principal results, 188A1:16–19; 5:1–5
sedimentation rates, 188A5:19
seismic profiles, 188A1:47
site description, 188A5:1–97
spectral data, 188B7:1–49

Site 1168

background and objectives, 189A3:4–6
biostratigraphy, 189A3:21–34; 189B2:1–36; 6:4–6;
7:3–5, 17–18; 8:6–7
bulk and clay mineralogy, 189B11:9
composite depths, 189A3:36–37
downhole measurements, 189A3:47–52
inorganic geochemistry, 189A3:42–45
lithostratigraphy, 189A3:8–21
Oligocene–Miocene age models, 189B9:3–4, 6–7
operations, 189A3:6–8
organic geochemistry, 189A3:37–42
paleomagnetism, 189A3:34–36
physical properties, 189A3:45–47
principal results, 189A1:14–17; 3:1–4
sedimentation rates, 189B10:8–10
site description, 189A3:1–171

Site 1169

background and objectives, 189A4:3–4
biostratigraphy, 189A4:9–17
inorganic geochemistry, 189A4:20–22
lithostratigraphy, 189A4:6–9
operations, 189A4:4–5
organic geochemistry, 189A4:19–20
paleomagnetism, 189A4:17–18
physical properties, 189A4:22–24
principal results, 189A1:17–18; 4:1–2
site description, 189A4:1–64

Site 1170

background and objectives, 189A5:6–7
biostratigraphy, 189A5:19–36; 189B4:8–10, 25; 6:6;
7:5–6, 19; 8:8–9; 13:1–12
bulk and clay mineralogy, 189B11:10
composite depths, 189A5:39–40
coring summary, 189A5:115–117
downhole measurements, 189A5:52–55
inorganic geochemistry, 189A5:46–49

lithostratigraphy, 189A5:9–19
Oligocene–Miocene age models, 189B9:4–5
operations, 189A5:8–9
organic geochemistry, 189A5:40–45
paleomagnetism, 189A5:36–38
palynology, 189B4:28–29
physical properties, 189A5:49–52
principal results, 189A1:18–23; 5:1–5
sedimentation rates, 189B10:10–13
site description, 189A5:1–167

Site 1171

background and objectives, 189A6:6–8
biostratigraphy, 189A6:25–40; 189B4:8–10, 25; 6:7;
7:6–8, 20; 8:10–11
bulk and clay mineralogy, 189B11:11
composite depths, 189A6:43–44
coring summary, 189A6:126–128
downhole measurements, 189A6:56–60
inorganic geochemistry, 189A6:50–54
lithostratigraphy, 189A6:10–25, 129
Oligocene–Miocene age models, 189B9:5–6
operations, 189A6:8–10
organic geochemistry, 189A6:44–50
paleomagnetism, 189A6:40–43
palynology, 189B4:30–31
physical properties, 189A6:54–56
principal results, 189A1:23–28; 6:1–6
sediment geochemistry, 189B12:1–13
sedimentation rates, 189B10:14–16
site description, 189A6:1–176

Site 1172

background and objectives, 189A7:6–8
biostratigraphy, 189A7:22–36; 189B3:1–48; 4:7, 25;
6:8; 7:8–9, 21; 8:12–13; 13:1–12
bulk and clay mineralogy, 189B11:12
composite depths, 189A7:39–40
coring summary, 189A7:102–104
downhole measurements, 189A7:48–50
inorganic geochemistry, 189A7:43–45
lithostratigraphy, 189A7:10–21, 105
Oligocene–Miocene age models, 189B9:6
operations, 189A7:9–10
organic geochemistry, 189A7:40–43
paleomagnetism, 189A7:36–39
palynology, 189B4:32–37
physical properties, 189A7:46–48
principal results, 189A1:28–32; 7:1–5
sedimentation rates, 189B10:16–20
site description, 189A7:1–149

Site 1173

background and objectives, 196A3:4–5
biostratigraphy, 190A4:11–13
coring summary, 190A4:93–105; 196A3:87
downhole measurements, 190A4:30–34, 146
geology, 190/196B12:3–4
grain size, 190/196B8:8
igneous petrology, 196A3:30–32
in situ temperature and pressure, 190A4:34, 88–91,
147
inorganic geochemistry, 190A4:16–19, 64, 131
lithostratigraphy, 190A4:6–9; 190/196B11:14

- logging-while-drilling sonic data, 190/196B17:1–15
- microbiology, 190A4:23–24
- microstructures, 190/196B7:6–7
- mudstone clay mineralogy, 190/196B6:1–37
- operation, 190A4:4–6
- operations, 196A1:28; 3:5–14, 84
- organic geochemistry, 190A4:19–22, 65–67, 133, 135
- paleomagnetism, 190A4:14–16, 57–62, 130; 196A3:32–33
- permeability, 190/196B18:1–22; 19:1–12
- physical properties, 190A4:24; 196A1:7; 3:3
- sand, 190/196B3:5–6
- seismic stratigraphy, 190A4:34–35, 92
- site description, 190A4:1–147; 196A3:1–97
- structural geology, 190A4:9–11, 115; 196A1:6–7; 3:2–3
- summary, 190A1:9–12, 55; 4:1–4; 196A1:5–8; 3:1–4
- volcanic ash, 190/196B2:1–9
- volcanology, 196A3:30–32
- well-logging, 196A3:14–15
- wireline-logging, 190/196B16:1–15
- Site 1174
 - biostratigraphy, 190A5:14–17, 121–124, 128–131
 - coring, 190A5:87–100
 - geology, 190/196B12:4
 - grain size, 190/196B8:8–9
 - in situ temperature and pressure, 190A5:34–35, 82–84, 149
 - inorganic geochemistry, 190A5:20–24, 70, 133
 - lithostratigraphy, 190A5:7–10, 38, 101
 - microbiology, 190A5:27–29, 74, 141–142
 - microstructures, 190/196B7:7–9
 - mudstone clay mineralogy, 190/196B6:1–37
 - operations, 190A5:4–7
 - organic geochemistry, 190A5:24–27, 71–72, 135, 137
 - paleomagnetism, 190A5:17–20, 63–66, 69
 - permeability, 190/196B18:1–22; 19:1–12
 - physical properties, 190A5:29–34, 75, 145–146
 - sand, 190/196B3:5–6
 - seismic stratigraphy, 190A5:35, 85–86
 - site description, 190A5:1–149
 - structural geology, 190A5:10–14, 48, 112
 - summary, 190A1:12–15, 58; 5:1–4
 - volcanic ash, 190/196B2:1–9
- Site 1175
 - biostratigraphy, 190A6:10–11, 78–80
 - coring, 190A6:62–68
 - grain size, 190/196B8:9
 - inorganic geochemistry, 190A6:15–18, 46, 83
 - lithostratigraphy, 190A6:4–8, 27, 69
 - microbiology, 190A6:19–20, 48–49, 86–87
 - operations, 190A6:3–4
 - organic geochemistry, 190A6:18–19, 47, 84–85
 - paleomagnetism, 190A6:12–15, 41–42, 44–45, 82
 - physical properties, 190A6:21–24, 50–56, 90–91
 - quartzose sand, 190/196B3:6–7
 - seismic stratigraphy, 190A6:24–25, 61
 - site description, 190A6:1–92
 - structural geology, 190A6:9–10, 35–39, 75
 - summary, 190A1:15–17, 64; 6:1–3
- Site 1176
 - biostratigraphy, 190A7:8–10, 68–70
 - coring, 190A7:55–56
 - in situ temperature and pressure, 190A7:20–21, 49–53, 80
 - inorganic geochemistry, 190A7:11–15, 38, 73
 - lithostratigraphy, 190A7:4–7, 23, 61
 - microbiology, 190A7:16–17, 76–77
 - operations, 190A7:4
 - organic geochemistry, 190A7:15–16, 39–40, 74–75
 - paleomagnetism, 190A7:10–11, 35, 72
 - physical properties, 190A7:17–20, 42–48, 78–79
 - quartzose sand, 190/196B3:6–7
 - seismic stratigraphy, 190A7:21, 54
 - site description, 190A7:1–80
 - structural geology, 190A7:7–8, 31–33, 66
 - summary, 190A1:17–20, 67; 7:1–3
- Site 1177
 - coring, 190A8:57–63
 - grain size, 190/196B8:9
 - inorganic geochemistry, 190A8:14–17
 - lithostratigraphy, 190A8:5–9, 27, 64
 - microbiology, 190A8:19–21
 - mudstone clay mineralogy, 190/196B6:1–37
 - operations, 190A8:4–5
 - organic geochemistry, 190A8:17–19
 - paleomagnetism, 190A8:12–14
 - physical properties, 190A8:21–24
 - quartzose and sedimenticlastic sands and sandstones, 190/196B3:8
 - seismic stratigraphy, 190A8:25
 - site description, 190A8:1–91
 - structural geology, 190A8:9–10
 - summary, 190A1:20–22, 69; 8:1–4
 - volcanic ash, 190/196B2:1–9
- Site 1178
 - biostratigraphy, 190A9:11–14
 - coring, 190A9:64–74
 - deformation, 190/196B9:1–15
 - fatty acids, 190/196B14:1–10
 - hopanoids, 190/196B14:1–10
 - in situ temperature and pressure, 190A9:26–27
 - inorganic geochemistry, 190A9:15–19
 - lithostratigraphy, 190A9:6–9, 29, 75
 - microbiology, 190A9:22–23, 54, 102–103
 - n*-alkanes, 190/196B14:1–10
 - operations, 190A9:4–6
 - organic geochemistry, 190A9:19–22
 - paleomagnetism, 190A9:14–15
 - physical properties, 190A9:23–27
 - seismic stratigraphy, 190A9:27, 63
 - site description, 190A9:1–108
 - structural geology, 190A9:9–11, 37–40, 80–87
 - summary, 190A1:23–25, 73; 9:1–4
- Site 1179
 - background and objectives, 191A4:1–2
 - biostratigraphy, 191A1:15–16; 4:16–20; 191B2:1–34
 - borehole instruments, 191A4:43–46
 - coring summary, 191A4:133–135
 - downhole measurements, 191A1:17–18; 4:40–43; 191B6:1–21

- geochemistry, 191A4:20–23; 191B4:1–24
 - geochronology, 185B13:1–20
 - geology and tectonics, 191A4:2–3
 - igneous petrology, 191A1:14–15; 4:26–35
 - isotope geochemistry, 191B3:1–11
 - lithostratigraphy, 191A1:26, 34–36; 191B1:12–13
 - microbiology, 191A1:18; 4:22–23
 - operations, 191A1:7–12, 48–49; 4:3–7
 - paleomagnetism, 191A1:16–17; 4:23–25; 191B7:1–20
 - permeability, 191B5:1–16
 - physical properties, 191A1:17; 4:35–40
 - sedimentary lithology, 191A1:14
 - sedimentation rates, 191A4:25–26
 - sedimentology, 191A4:9–16
 - seismic stratigraphy, 191A4:8–9
 - site description, 191A4:1–159
 - site geophysics, 191A4:7–9
 - synthesis, 191B1:1–19
- Site 1180
- background and objectives, 191A5:1–2
 - operations, 191A1:12–13; 5:2–3
 - site description, 191A5:1–47
 - site geophysics, 191A5:3
- Site 1181
- background and objectives, 191A5:1–2
 - operations, 191A1:12–13; 5:2–3
 - site description, 191A5:1–47
 - site geophysics, 191A5:3
- Site 1182
- background and objectives, 191A5:3–4
 - Mariana backarc operations, 191A5:15–16
 - operations, 191A5:4
 - site description, 191A5:1–47
 - site geophysics, 191A5:4–5
- Site 1183
- alteration, 192A3:29–32
 - background and objectives, 192A3:1–2
 - biostratigraphy, 192A3:21–25
 - boron, 192B4:1–6
 - coring summary, 192A3:139–148
 - geophysical background, 192A3:1–2
 - igneous petrology, 192A3:25–29
 - lithostratigraphy, 192A3:4–21
 - Maastrichtian paleoclimatology, 192B2:1–15
 - magnetic fabric, 192B5:1–21
 - operations, 192A3:2–4
 - paleomagnetism, 192A3:32–35
 - physical properties, 192A3:35–38; 192B7:13
 - principal results, 192A1:10–14
 - site description, 192A3:1–170
 - stable isotopes, 192B2:12
 - strontium isotope stratigraphy, 192B3:1–19
 - structural geology, 192A3:32
- Site 1184
- alteration, 192A4:17–19
 - background and objectives, 192A4:1–3
 - biostratigraphy, 192A4:11–13
 - coring summary, 192A4:107–115
 - geophysical background, 192A4:2
 - igneous petrology, 192A4:13–17
 - lithostratigraphy, 192A4:4–11
 - operations, 192A4:3–4
 - paleomagnetism, 192A4:19–24
 - physical properties, 192A4:24–26
 - principal results, 192A1:14–17
 - site description, 192A4:1–131
- Site 1185
- alteration, 192A5:15–17
 - background and objectives, 192A5:1–2
 - biostratigraphy, 192A5:7–11
 - coring summary, 192A5:105–109
 - igneous petrology, 192A5:11–15
 - lithologic units, 192A5:5–6
 - lithostratigraphy, 192A5:5–7
 - operations, 192A5:2–5
 - paleomagnetism, 192A5:18–22
 - physical properties, 192A5:22–25
 - principal results, 192A1:17–21
 - site description, 192A5:1–124
 - structural geology, 192A5:17–18
- Site 1186
- alteration, 192A6:17–19
 - background and objectives, 192A6:1–2
 - biostratigraphy, 192A6:12–15
 - boron, 192B4:1–6
 - coring summary, 192A6:97–102
 - downhole measurements, 192A6:25–29
 - igneous petrology, 192A6:15–17
 - lithostratigraphy, 192A6:4–12
 - Maastrichtian paleoclimatology, 192B2:1–15
 - magnetic fabric, 192B5:1–21
 - operations, 192A6:2–3
 - paleomagnetism, 192A6:20–23
 - physical properties, 192A6:23–25
 - principal results, 192A1:21–24
 - site description, 192A6:1–117
 - stable isotopes, 192B2:12
 - strontium isotope stratigraphy, 192B3:1–19
- Site 1187
- alteration, 192A7:8–9
 - background and objectives, 192A7:1–2
 - biostratigraphy, 192A7:5–6
 - coring summary, 192A7:52–55
 - geophysical background, 192A7:1–2
 - igneous petrology, 192A7:6–8
 - lithostratigraphy, 192A7:3–5
 - magnetic fabric, 192B5:18
 - operations, 192A7:2–3
 - paleomagnetism, 192A7:9–11
 - physical properties, 192A7:11–13
 - principal results, 192A1:24–26
 - site description, 192A7:1–66
- Site 1188
- alteration phases, 193B5:1–10; 11:1–19
 - anhydrite geochemistry, 193B7:1–23
 - basalt xenoliths, 193B6:1–19
 - core-scale permeability, 193B13:1–19
 - coring summary, 193A3:262–264
 - downhole measurements, 193A1:17; 3:86–96
 - fresh and altered dacites, 193B12:1–9
 - geochemistry, 193A1:16; 3:65–71
 - hydrothermal alteration, 193A1:14; 3:33–51

igneous petrology, 193A1:14; 3:19–33; 193B2:5–6
lithology, 193A1:40–42
location, 193A1:61
microbiology, 193A1:16; 3:71–74
operations summary, 193A3:6–18
physical properties, 193A1:16; 3:74–77
pore water geochemistry, 193B4:1–15
principal results, 193A3:1–6
rock magnetism, 193A1:16–17; 3:77–86
site description, 193A3:1–305
site objectives, 193A1:13; 3:6
site survey, 193A3:18–19
structural geology, 193A1:15; 3:58–65
sulfide and oxide mineral chemistry, 193B3:1–31
sulfide and oxide petrography, 193A1:14–15; 3:51–58
summary, 193A1:13–17
television surveys, 193A1:39

Site 1189

alteration phases, 193B5:1–10; 11:1–19
alteration summary, 193A4:233–234, 236–239
anhydrite geochemistry, 193B7:1–23
basalt xenoliths, 193B6:1–19
core-scale permeability, 193B13:1–19
coring summary, 193A4:231–232
downhole measurements, 193A1:21; 4:59–65
geochemistry, 193A1:20; 4:46–48
hydrothermal alteration, 193A1:18–19; 4:23–34
igneous petrology, 193A1:18; 4:8–23; 193B2:6
jasperoids, 193B9:1–30
lithology, 193A1:62–63; 4:233–234, 236–239
location, 193A1:61; 4:67
massive sulfide geochemistry, 193B10:1–22
microbiology, 193A1:20; 4:49–52
operations summary, 193A4:5–7
physical properties, 193A1:20; 4:52–55
pore water geochemistry, 193B4:1–15
principal results, 193A4:1–5
rock magnetism, 193A1:20–21; 4:55–59
site description, 193A4:1–259
site objectives, 193A1:17; 4:5
site survey, 193A4:7–8
structural geology, 193A1:19–20; 4:41–46
sulfide and oxide mineral chemistry, 193B3:1–31
sulfide and oxide petrography, 193A1:19; 4:33–41
summary, 193A1:17–21

Site 1190

coring summary, 193A5:10
geochemistry, 193A5:6
hydrothermal alteration, 193A1:22; 5:5–6
igneous petrology, 193A1:21; 5:3–5; 193B2:6–7
location, 193A4:67
operations summary, 193A5:2–3
physical properties, 193A5:6
principal results, 193A5:1
site description, 193A5:1–15
site objectives, 193A1:21; 5:1–2
site survey, 193A5:3
summary, 193A1:21–22

Site 1191

coring summary, 193A6:34
fresh and altered dacites, 193B12:1–9

geochemistry, 193A1:23; 6:8
hydrothermal alteration, 193A1:22; 6:4–6
igneous petrology, 193A1:22; 6:3–4; 193B2:7–8
lithology and alteration, 193A6:35
microbiology, 193A1:23; 6:8–9
operations summary, 193A6:2–3
physical properties, 193A1:23; 6:10–11
principal results, 193A6:1–2
rock magnetism, 193A1:23; 6:11–12
site description, 193A6:1–46
site objectives, 193A1:22; 6:2
site survey, 193A6:3
structural geology, 193A1:22–23; 6:7–8
sulfide and oxide petrology, 193A6:6
summary, 193A1:22–23

Site 1192

age models, 194A3:13–14
biostratigraphy, 194A3:8–11
core physical properties, 194A3:18–22
coring summary, 194A3:60–66
geochemistry, 194A3:14–18
lithologic units, 194A3:67
lithostratigraphy, 194A3:4–8
operations, 194A1:12–13; 3:2–4
paleoenvironment, 194A3:8–11
paleomagnetism, 194A3:11–13
principal scientific results, 194A1:13–15
sedimentology, 194A3:4–8
seismic stratigraphy, 194A3:23–25
site description, 194A3:1–75
site summary, 194A1:12–15

Site 1193

age models, 194A4:20
biostratigraphy, 194A4:11–17; 194B1:1–7
core physical properties, 194A4:24–27
coring summary, 194A4:92–100
geochemistry, 194A4:20–24
lithologic units, 194A4:101
lithostratigraphy, 194A4:6–11
operations, 194A1:16–17; 4:2–6
paleoenvironment, 194A4:15–17
paleomagnetism, 194A4:17–19
principal scientific results, 194A1:17–20
sedimentology, 194A4:6–11
seismic stratigraphy, 194A4:27–30
site description, 194A4:1–116
site summary, 194A1:15–20

Site 1194

age models, 194A5:15–16
biostratigraphy, 194A5:9–13
compressibility and permeability, 194B7:1–28
core physical properties, 194A5:19–22
coring summary, 194A5:87–92
downhole measurements, 194A5:22–27
geochemistry, 194A5:16–19
lithologic units, 194A5:93
lithostratigraphy, 194A5:3–8
operations, 194A1:20–21; 5:2–3
paleoenvironment, 194A5:9–13
paleomagnetism, 194A5:13–15
principal scientific results, 194A1:21–23

- sedimentology, 194A5:3–8
 - seismic profiles, 194B8:10, 15
 - seismic stratigraphy, 194A5:27–30
 - site description, 194A5:1–105
 - site summary, 194A1:20–23
 - submarine ferromanganese hardgrounds, 194B8:1–22
 - well-logging summary, 194A5:105
- Site 1195
- age models, 194A6:12
 - biostratigraphy, 194A6:6–10
 - core physical properties, 194A6:16–21
 - coring summary, 194A6:69–77
 - downhole measurements, 194A6:21–23
 - geochemistry, 194A6:12–16
 - lithologic units, 194A6:78
 - lithostratigraphy, 194A6:3–6
 - operations, 194A1:24; 6:2–3
 - paleoenvironment, 194A6:6–10
 - paleomagnetism, 194A6:10–12
 - principal scientific results, 194A1:25–27
 - sedimentology, 194A6:3–6
 - seismic stratigraphy, 194A6:23–27
 - site description, 194A6:1–93
 - site summary, 194A1:24–27
- Site 1196
- age models, 194A7:24
 - biostratigraphy, 194A7:16–20
 - core physical properties, 194A7:27–29
 - coring summary, 194A7:119–129
 - downhole measurements, 194A7:32–36
 - geochemistry, 194A7:24–26
 - lithologic units, 194A7:130
 - lithostratigraphy, 194A7:5–12; 194B5:5–6, 28
 - operations, 194A1:28–29; 7:2–4
 - paleoenvironment, 194A7:16–20; 194B5:1–38
 - paleomagnetism, 194A7:22–23
 - principal scientific results, 194A1:29–33
 - sedimentology, 194A7:5–12
 - seismic stratigraphy, 194A7:40–41
 - site description, 194A7:1–149
 - site summary, 194A1:27–35
 - submarine ferromanganese hardgrounds, 194B8:1–22
- Site 1197
- age models, 194A8:16–17
 - biostratigraphy, 194A8:9–14
 - core physical properties, 194A8:19–22
 - coring, 194A8:63–70
 - geochemistry, 194A8:17–19
 - lithostratigraphy, 194A8:3–9
 - operations, 194A1:35–36; 8:1–3
 - paleoenvironment, 194A8:9–14
 - paleomagnetism, 194A8:14–16
 - principal scientific results, 194A1:36–40
 - sedimentology, 194A8:3–9
 - seismic stratigraphy, 194A8:22–24
 - site description, 194A8:1–83
 - site summary, 194A1:35–40
- Site 1198
- age models, 194A9:14
 - biostratigraphy, 194A9:8–12
 - bulk carbonate content, 194B9:1–9
 - carbonate content, 194B3:1–9
 - compressibility and permeability, 194B7:1–28
 - core physical properties, 194A9:19–21
 - coring summary, 194A9:56–62
 - downhole measurements, 194A9:21–22
 - geochemistry, 194A9:15–18
 - lithologic units, 194A9:63
 - lithostratigraphy, 194A9:3–8
 - operations, 194A1:40–41
 - paleoenvironment, 194A9:8–12
 - paleomagnetism, 194A9:12–14
 - principal scientific results, 194A1:41–44
 - sedimentology, 194A9:3–8
 - seismic stratigraphy, 194A9:22–25
 - site description, 194A9:1–75
 - site summary, 194A1:40–44
- Site 1199
- age models, 194A7:24
 - biostratigraphy, 194A7:20–22
 - core physical properties, 194A7:29–31
 - coring summary, 194A7:119–129
 - downhole measurements, 194A7:36–40
 - geochemistry, 194A7:26–27
 - lithologic units, 194A7:131
 - lithostratigraphy, 194A7:12–16; 194B5:6–7, 29
 - operations, 194A1:29; 7:4–5
 - paleoenvironment, 194A7:20–22
 - paleomagnetism, 194A7:23–24; 194B5:1–38
 - principal scientific results, 194A1:33–35
 - sedimentology, 194A7:12–16
 - seismic stratigraphy, 194A7:40–41
 - site description, 194A7:1–149
 - site summary, 194A1:27–35
- Site 1200
- background and objectives, 195A3:3–4
 - biostratigraphy, 195A3:21–25
 - borehole instrumentation, 195A3:46–52
 - coring summary, 195A3:145–147
 - geochemistry, 195A3:29–40
 - halogens, 195B6:1–23
 - igneous and metamorphic petrology of ultramafics, 195A3:16–21
 - iodine and boron, 195B5:1–18
 - lithostratigraphy, 195A3:11–15
 - microbiology, 195A3:45–46
 - operations, 195A3:4–10
 - paleomagnetism, 195A3:26–29
 - physical properties, 195A3:40–45
 - principal results, 195A3:1–3
 - seismic properties, 195B11:1–12
 - serpentine mud, 195B4:1–49
 - serpentine seamounts, 195B1:1–30
 - site description, 195A3:1–173
 - stable isotopes, 195B7:1–12
 - structural geology, 195A3:52–56
 - summary, 195A1:2–14
- Site 1201
- background and objectives, 195A4:3–6
 - basalt mineralogy, 195B8:1–24
 - biostratigraphy, 195A4:23–28
 - borehole instrumentation, 195A4:44–61

- coring summary, 195A4:189–191
- downhole measurements, 195A4:41–44
- geochemistry, 195A4:33–36
- igneous petrology, 195A4:20–23
- ion seismic observatory, 195A1:14–22
- lithostratigraphy, 195A4:10–19
- natural gamma ray spectra, 195B12:1–33
- operations, 195A4:6–10
- paleomagnetism, 195A4:28–33
- physical properties, 195A4:36–40
- pore water, 195B9:1–14
- principal results, 195A4:1–3
- site description, 195A4:1–233
- synthesis, 195B2:1–27
- Site 1202
 - background and objectives, 195A5:2–4
 - biostratigraphy, 195A5:8–9
 - coring summary, 195A5:41–43
 - geology, 195A1:22–27
 - lithostratigraphy, 195A5:6–8
 - operations, 195A5:5–6
 - paleomagnetism, 195A5:9–11; 195B13:1–14
 - physical properties, 195A5:11–14
 - pore water, 195B10:1–9
 - principal results, 195A5:1–2
 - site description, 195A5:1–46
 - synthesis, 195B3:1–31
- Site 1203
 - alteration, 197A3:24–30
 - background and scientific objectives, 197A3:1–3
 - biostratigraphy, 197A3:10–11
 - coring summary, 197A3:147–148
 - downhole measurements, 197A3:40–46
 - igneous petrology, 197A3:11–24
 - magnetized formations, 197B5:1–22
 - operations, 197A3:3–6
 - Paleocene–Miocene nannofossils, 197B4:1–12
 - paleolatitude, 197B1:7
 - paleomagnetism, 197A3:31–37
 - physical properties, 197A3:37–40
 - physical volcanology, 197A3:11–24
 - principal results, 197A1:10–12
 - rock magnetism, 197A3:31–37
 - site description, 197A3:1–171
 - underway geophysics, 197A3:46–47
 - weathering, 197A3:24–30
- Site 1204
 - alteration, 197A4:20–24
 - background and scientific objectives, 197A4:1–2
 - biostratigraphy, 197A4:10–11
 - coring, 197A4:105–106
 - igneous petrology, 197A4:11–19
 - lithostratigraphy, 197A4:4–9
 - operations, 197A4:2–4
 - Paleocene–Miocene nannofossils, 197B4:1–12
 - paleolatitude, 197B1:6–7
 - paleomagnetism, 197A4:24–30
 - physical properties, 197A4:30–33
 - physical volcanology, 197A4:11–19
 - principal results, 197A1:13–14
 - rock magnetism, 197A4:24–30
 - site description, 197A4:1–125
 - underway geophysics, 197A4:33–34
 - weathering, 197A4:20–24
- Site 1205
 - alteration, 197A5:18–20
 - background and scientific objectives, 197A5:1–2
 - biostratigraphy, 197A5:7–8
 - coring, 197A5:92
 - igneous petrology, 197A5:8–18
 - lithostratigraphy, 197A5:5–7
 - operations, 197A5:2–5
 - paleomagnetism, 197A5:21–25
 - physical properties, 197A5:25–28
 - physical volcanology, 197A5:8–18
 - principal results, 197A1:14–15
 - rock magnetism, 197A5:21–25
 - site description, 197A5:1–112
 - underway geophysics, 197A5:28–29
 - weathering, 197A5:18–20
- Site 1206
 - alteration, 197A6:15–18
 - background and scientific objectives, 197A6:1–2
 - biostratigraphy, 197A6:5–6; 197B2:1–4
 - cores and recovery, 197A6:102
 - coring, 197A6:96
 - igneous petrology, 197A6:6–15
 - lithostratigraphy, 197A6:5
 - operations, 197A6:3–4
 - paleomagnetism, 197A6:18–22
 - physical properties, 197A6:22–24
 - physical volcanology, 197A6:6–15
 - principal results, 197A1:15–17
 - rock magnetism, 197A6:18–22
 - site description, 197A6:1–117
 - underway geophysics, 197A6:24–25
 - weathering, 197A6:15–18
- Site 1207
 - background and objectives, 198A3:7–9
 - biostratigraphy, 198A3:18–25; 198B6:3–4; 7:6–10
 - color trends, 198B17:5–6
 - coring summary, 198A3:54–55, 117–118
 - downhole measurements, 198A3:40–44
 - inorganic geochemistry, 198A3:33–37, 134
 - lithostratigraphy, 198A3:11–18
 - mass accumulation rates, 198A3:26
 - operations, 198A3:9–11
 - organic geochemistry, 198A3:27–32
 - paleomagnetism, 198A3:25–26; 198B22:31–33
 - physical properties, 198A3:37–40
 - principal results, 198A1:16–22; 3:1–7
 - sedimentation rates, 198A3:26
 - site description, 198A3:1–140
- Site 1208
 - background and objectives, 198A4:7–8
 - biostratigraphy, 198A4:16–21; 198B2:1–44; 6:4–5; 7:6–10
 - coring summary, 198A4:36, 78
 - inorganic geochemistry, 198A4:25–28
 - late Pleistocene terrigenous input, 198B19:1–7
 - lithostratigraphy, 198A4:9–16
 - mass accumulation rates, 198A4:22–24

opal and carbonate, 198B14:1–7
operations, 198A4:8
organic geochemistry, 198A4:24–25
paleomagnetism, 198A4:21–22
physical properties, 198A4:28–31
principal results, 198A1:22–28; 4:1–7
sedimentation rates, 198A4:22–24
site description, 198A4:1–93

Site 1209

background and objectives, 198A5:7–8
biostratigraphy, 198A5:16–22; 198B5:3–4
composite depths, 198A5:24; 198B15:2–3
coring summary, 198A5:80–82
inorganic geochemistry, 198A5:26–29
lithostratigraphy, 198A5:9–15
mass accumulation rates, 198A5:24–25
nannofossil biostratigraphy, 198B3:1–15; 6:5
operations, 198A5:8–9
organic geochemistry, 198A5:25–26
Paleocene–Eocene Thermal Maximum, 198B8:25
paleomagnetism, 198A5:23; 198B22:34–35
physical properties, 198A5:29–33
planktonic foraminifer biostratigraphy, 198B4:1–56;
5:3–4
principal results, 198A1:28–34; 5:1–7
sedimentation rates, 198A5:24–25
site description, 198A5:1–102
stable isotopes, 198B12:1–19

Site 1210

background and objectives, 198A6:5–6
biostratigraphy, 198A6:13–20
composite depths, 198A6:21; 198B15:3–4
coring summary, 198A6:33–34, 69–70
inorganic geochemistry, 198A6:23–26
lithostratigraphy, 198A6:7–13
mass accumulation rates, 198A6:21–23
nannofossil biostratigraphy, 198B3:1–15; 6:5–6
operations, 198A6:6
organic geochemistry, 198A6:23
Paleocene/Eocene Thermal Maximum, 198B8:26
paleomagnetism, 198A6:20–21; 198B22:36–37
physical properties, 198A6:26–29
planktonic foraminifer biostratigraphy, 198B4:1–56
principal results, 198A1:34–38; 6:1–5
sedimentation rates, 198A6:21–23
site description, 198A6:1–89

Site 1211

background and objectives, 198A7:6
biostratigraphy, 198A7:13–19; 198B3:1–15; 4:1–56;
5:4–6; 6:6
composite depths, 198A7:20–21; 198B15:4–5
coring summary, 198A7:33, 64–65
inorganic geochemistry, 198A7:23–25
lithostratigraphy, 198A7:8–13
mass accumulation rates, 198A7:21–22
operations, 198A7:7–8
organic geochemistry, 198A7:22
Paleocene/Eocene Thermal Maximum, 198B8:28
paleomagnetism, 198A7:19–20; 198B22:38
physical properties, 198A7:25–28
principal results, 198A1:38–42; 7:1–5

sedimentation rates, 198A7:21–22
site description, 198A7:1–81

Site 1212

background and objectives, 198A8:5–6
biostratigraphy, 198A8:12–17; 198B7:6–10
composite depths, 198A8:18
coring summary, 198A8:30, 63–64
inorganic geochemistry, 198A8:20–23
lithostratigraphy, 198A8:7–12
mass accumulation rates, 198A8:19–20
nannofossil biostratigraphy, 198B6:6–7
operations, 198A8:6–7
organic geochemistry, 198A8:20
Paleocene–Eocene Thermal Maximum, 198B8:27
paleomagnetism, 198A8:17–18; 198B22:39
physical properties, 198A8:23–26
principal results, 198A1:42–46; 8:1–5
sedimentation rates, 198A8:19–20
site description, 198A8:1–79

Site 1213

background and objectives, 198A9:6–7
biostratigraphy, 198A9:18–24; 198B7:4–5, 7–10
coring summary, 198A9:90–91
downhole measurements, 198A9:32–33
inorganic geochemistry, 198A9:29–30
lithostratigraphy, 198A9:8–18
mass accumulation rates, 198A9:25–26
nannofossil biostratigraphy, 198B6:7
operations, 198A9:7–8
organic geochemistry, 198A9:26–29
paleomagnetism, 198A9:24–25; 198B20:1–15; 21:1–
14
physical properties, 198A9:30–32
principal results, 198A1:46–51; 9:1–6
sedimentation rates, 198A9:25–26
site description, 198A9:1–110

Site 1214

background and objectives, 198A10:3–4
biostratigraphy, 198A10:9–12; 198B7:5–10
coring summary, 198A10:26
lithostratigraphy, 198A10:4–9
mass accumulation rates, 198A10:12–13
operations, 198A10:4
organic geochemistry, 198A10:13–14
physical properties, 198A10:14–15
principal results, 198A1:51–53; 10:1–3
sedimentation rates, 198A10:12–13
site description, 198A10:1–34

Site 1215

background and objectives, 199A8:1–2
biostratigraphy, 199A8:6–10
composite depths, 199A8:12–13
core images, 199A8:32
coring summary, 199A8:43
correction of core physical properties, 199B12:1–21
geochemistry, 199A8:15–18
highlights, 199A8:2–3
inorganic geochemistry of hydrothermal sediments,
199B15:11
lithostratigraphy, 199A8:4–6
location, 199A8:22

- operations, 199A8:3–4
 - Paleocene/Eocene benthic foraminifers, 199B7:1–34
 - paleomagnetism, 199A8:10–12
 - physical properties, 199A8:18–20
 - sedimentation and accumulation rates, 199A8:13–15
 - site description, 199A8:1–60
 - site summary, 199A1:28–29; 8:2
 - visible and near-infrared spectroscopy, 199B11:11
- Site 1216
- background and objectives, 199A9:1–2
 - biostratigraphy, 199A9:6–7
 - composite depths, 199A9:8–9
 - coring summary, 199A9:34
 - correction of core physical properties, 199B12:1–21
 - ferromanganese micronodules, 199B14:1–20
 - geochemistry, 199A9:10–12
 - highlights, 199A9:3
 - lithostratigraphy, 199A9:4–6; 199B14:10
 - location, 199A9:16
 - operations, 199A9:3–4
 - paleomagnetism, 199A9:7–8
 - physical properties, 199A9:12–14
 - sedimentation and accumulation rates, 199A9:9
 - site description, 199A9:1–48
 - site summary, 199A1:29–30; 9:2–3
- Site 1217
- background and objectives, 199A10:1–2
 - biostratigraphy, 199A10:9–12
 - composite depths, 199A10:13–14
 - coring summary, 199A10:47–48
 - correction of core physical properties, 199B12:1–21
 - geochemistry, 199A10:16–18
 - highlights, 199A10:3–4
 - lithostratigraphy, 199A10:6–8
 - location, 199A10:22
 - operations, 199A10:4–5
 - paleomagnetism, 199A10:12–13
 - physical properties, 199A10:18–20
 - sedimentation and accumulation rates, 199A10:14–16
 - site description, 199A10:1–65
 - site summary, 199A1:30–32; 10:2–3
 - visible and near-infrared spectroscopy, 199B11:12
- Site 1218
- background and objectives, 199A11:1–2
 - biostratigraphy, 199A11:10–19
 - calibration by inductively coupled plasma–atomic emission spectroscopy, 199A7:10
 - composite depths, 199A11:21–23, 103; 199B2:29–31
 - composite section, 199A1:34; 11:3
 - core disturbance, 199A11:102
 - coring summary, 199A11:87–89
 - correction of core physical properties, 199B12:1–21
 - correlation with Site 1219, 199A12:4
 - downhole measurements, 199A11:32–37
 - Eocene carbonate compensation depth, 199B21:3
 - geochemistry, 199A11:25–27
 - highlights, 199A11:3–5
 - lithostratigraphy, 199A11:7–10
 - location, 199A11:40
 - lower Oligocene/lower Eocene radiolarians, 199B5:1–74
- middle/upper Eocene boundary vs. gamma ray attenuation bulk density, 199A1:61
 - Oligocene benthic foraminifers, 199B8:1–26
 - Oligocene/Miocene boundary high-resolution benthic foraminiferal stratigraphy, 199B19:1–13
 - Oligocene paleoceanography, 199B17:1–12
 - operations, 199A11:5–7
 - paleomagnetism, 199A11:19–21
 - physical properties, 199A11:27–31
 - radiolarian biostratigraphy, 199B3:1–76
 - sedimentation and accumulation rates, 199A11:23–25
 - silicoflagellates and ebridians, 199B10:1–9
 - site description, 199A11:1–126
 - site summary, 199A1:33–36; 11:2–3
 - stratigraphy, 199B2:1–41
 - upper Oligocene/lower Miocene radiolarians, 199B4:1–13
 - visible and near-infrared spectroscopy, 199B11:13
- Site 1219
- background and objectives, 199A12:1–2
 - biostratigraphy, 199A12:13–20
 - composite depths, 199A12:22–24, 108; 199B2:32
 - core disturbance, 199A12:107
 - coring summary, 199A12:95–96
 - correction of core physical properties, 199B12:1–21
 - correlation with Site 1218, 199A12:4
 - downhole measurements, 199A12:33–39
 - Eocene carbonate compensation depth, 199B21:4
 - geochemistry, 199A12:25–28
 - highlights, 199A12:4–5
 - lithostratigraphy, 199A12:7–13
 - location, 199A12:42
 - lower Oligocene/lower Eocene radiolarians, 199B5:1–74
 - Oligocene benthic foraminifers, 199B8:1–26
 - operations, 199A12:5–7
 - organic biomarkers, 199B25:1–11
 - paleomagnetism, 199A12:21–22
 - physical properties, 199A12:28–33
 - radiolarian biogenic sedimentology, 199B24:1–19
 - radiolarian biostratigraphy, 199B3:1–76
 - sedimentation and accumulation rates, 199A12:24–25
 - silicoflagellates, 199B9:1–29
 - site description, 199A12:1–129
 - site summary, 199A1:36–39; 12:2–4
 - stratigraphy, 199B2:1–41
 - upper Oligocene/lower Miocene radiolarians, 199B4:1–13
 - visible and near-infrared spectroscopy, 199B11:14
- Site 1220
- background and objectives, 199A13:1
 - biostratigraphy, 199A13:10–18
 - composite depths, 199A13:19–20, 77
 - coring summary, 199A13:68–69
 - correction of core physical properties, 199B12:1–21
 - diatom biostratigraphy, 199B6:1–25
 - Eocene carbonate compensation depth, 199B21:4
 - geochemistry, 199A13:21–24
 - highlights, 199A13:3–4
 - lithostratigraphy, 199A13:6–10
 - location, 199A13:32

- lower Oligocene/lower Eocene radiolarians, 199B5:1–74
- magnetic reversals, 199A14:31
- operations, 199A13:4–6
- Paleocene/Eocene benthic foraminifers, 199B7:1–34
- Paleocene/Eocene boundary stable isotopes, 199B18:1–12
- paleomagnetism, 199A13:18
- physical properties, 199A13:24–29
- radiolarian biostratigraphy, 199B3:1–76
- sedimentation and accumulation rates, 199A13:20–21
- silicoflagellates and ebridians, 199B10:1–9
- site description, 199A13:1–93
- site summary, 199A1:39–42; 13:2–3
- visible and near-infrared spectroscopy, 199B11:15
- Site 1221
 - background and objectives, 199A14:1
 - biostratigraphy, 199A14:9–15
 - calibration by inductively coupled plasma–atomic emission spectroscopy, 199A7:11
 - composite depths, 199A14:16, 54
 - core disturbance, 199A14:53
 - coring summary, 199A14:49–50
 - correction of core physical properties, 199B12:1–21
 - geochemistry, 199A14:18–20
 - high-resolution inorganic geochemistry, 199B16:1–12
 - highlights, 199A14:3–4
 - lithostratigraphy, 199A14:5–9
 - location, 199A14:25
 - operations, 199A14:4–5
 - organic biomarkers, 199B25:1–11
 - Paleocene/Eocene benthic foraminifers, 199B7:1–34
 - Paleocene/Eocene boundary biogenic burial, 199B23:1–12
 - Paleocene/Eocene boundary phosphorus and barite geochemistry, 199B22:1–23
 - Paleocene/Eocene boundary stable isotopes, 199B18:1–12
 - paleomagnetism, 199A14:15
 - physical properties, 199A14:20–23
 - sedimentation and accumulation rates, 199A14:17–18
 - silicoflagellates and ebridians, 199B10:1–9
 - site description, 199A14:1–66
 - site summary, 199A1:42–44; 14:2–3
 - visible and near-infrared spectroscopy, 199B11:16
- Site 1222
 - background and objectives, 199A15:1
 - biostratigraphy, 199A15:7–9
 - composite depths, 199A15:10, 46
 - core disturbance, 199A15:45
 - coring summary, 199A15:40
 - correction of core physical properties, 199B12:1–21
 - geochemistry, 199A15:12–13
 - lithostratigraphy, 199A15:4–7
 - location, 199A15:18
 - operations, 199A15:3–4
 - paleomagnetism, 199A15:9–10
 - physical properties, 199A15:13–16
 - sedimentation and accumulation rates, 199A15:11–12
 - site description, 199A15:1–57
 - site summary, 199A1:44–45; 15:2–3
- visible and near-infrared spectroscopy, 199B11:17
- Site 1223
 - 3.5-kHz seafloor reflections, 200A4:45–48
 - background and objectives, 200A3:5–6
 - biostratigraphy, 200A3:29–30
 - Cenozoic radiolarians, 200B4:1–25
 - coring summary, 200A1:72; 3:139–140
 - drilling and seismic reflection, 200B1:4–5
 - geochemistry, 200A3:30–34
 - lithology, 200A3:8–29
 - location, 200A1:60; 3:54
 - microbiology, 200A3:39–43
 - operations, 200A3:6–8
 - paleomagnetism, 200A3:34–39
 - physical properties, 200A3:43–45
 - preliminary results, 200A3:1–5
 - site description, 200A3:1–159
 - synthesis, 200B1:1–44
 - tectonics, 200B1:3–4
- Site 1224
 - 3.5-kHz seafloor reflections, 200A3:55–56
 - background and objectives, 200A4:10–15
 - basement petrology and geochemistry, 200B2:1–19
 - biostratigraphy, 200A4:40–41
 - broadband seismic observatories, 200B5:1–63
 - core, physical properties, logging, and seismic correlation, 200A4:57–59
 - coring summary, 200A1:69–71; 4:165–169
 - downhole measurements, 200A4:49–55; 200B1:44
 - drilling and seismic reflection, 200B1:4
 - Eocene ferrobasalt, 200B3:1–36
 - geochemistry, 200A4:36–40; 200B1:44
 - lithology, 200A4:24–36; 200B1:44
 - microbiology, 200A4:43–45
 - operations, 200A4:16–24, 170–172
 - paleomagnetism, 200A4:41–42
 - physical properties, 200A4:45–49; 200B1:44
 - preliminary results, 200A4:1–10
 - seismic results, 200A4:59–63
 - shallow seismic structure, 200B7:1–21
 - site description, 200A4:1–178
 - synthesis, 200B1:1–44
 - tectonics, 200B1:3
- Site 1225
 - background and objectives, 201A6:1–2
 - bacterial magnetosomes, 201B17:1–17
 - biogeochemistry, 201A6:14–18
 - biostratigraphy, 201B16:1–19
 - coring summary, 201A6:74–75
 - downhole logging, 201A6:32–35
 - downhole tools, 201A6:31–32
 - grain size, 201B14:24
 - lithostratigraphy, 201A1:59; 6:8–13
 - magnetic susceptibility, 201A6:56
 - magnetostratigraphy, 201B16:1–19
 - microbiology, 201A6:5–8
 - operations, 201A6:5–8
 - oxygen isotopes, 201B7:5–8
 - physical properties, 201A6:23–31
 - pressure coring sampler, 201A3:5–6
 - principal results, 201A6:2–5

sedimentology, 201B14:1–25
site description, 201A6:1–86
site summary, 201A1:22–26
total organic and inorganic carbon, 201B8:3
well-logging, 201A6:86

Site 1226

background and objectives, 201A7:1–2
biogeochemistry, 201A7:13–18
downhole logging, 201A7:34–37
downhole tools, 201A7:33–34
grain size, 201B14:25
lithostratigraphy, 201A1:59; 7:7–13, 40
microbiology, 201A7:18–25
operations, 201A7:5–7
oxygen isotopes, 201B7:8–9
physical properties, 201A7:26–33
pressure coring sampler, 201A3:5–6
pressure–temperature, 201B21:1–21
principal results, 201A7:2–5
sedimentology, 201B14:1–25
site description, 201A7:1–96
site summary, 201A1:26–30
total organic and inorganic carbon, 201B8:3

Site 1227

age vs. depth, 201B15:6
background and objectives, 201A8:1–2
bacterial magnetosomes, 201B17:1–17
biogeochemistry, 201A8:13–18
coring, 201A8:57–58
diagenetic dolomite, 201B13:5–6
downhole tools, 201A8:26–27
lithostratigraphy, 201A1:60; 8:8–13
microbiology, 201A8:18–21
operations, 201A8:6–8
organic matter diagenesis, 201B5:1–30
physical properties, 201A8:21–26
pressure coring sampler, 201A3:6–7
principal results, 201A8:2–6
site description, 201A8:1–66
site summary, 201A1:30–35
total organic and inorganic carbon, 201B8:3–4
volcanic ash layers, 201B19:8–9, 24

Site 1228

age vs. depth, 201B15:6
background and objectives, 201A9:1–2
biogeochemistry, 201A9:12–15
coring, 201A9:60–61
diagenetic dolomite, 201B13:6
downhole logging, 201A9:25–28
downhole tools, 201A9:23–25
lithostratigraphy, 201A1:60; 9:7–12, 30–31
microbiology, 201A9:15–17
operations, 201A9:5–7
physical properties, 201A9:17–23
pressure coring sampler, 201A3:6–7
principal results, 201A9:2–5
site description, 201A9:1–72
site summary, 201A1:35–39
total organic and inorganic carbon, 201B8:3–4
volcanic ash layers, 201B19:9, 24

Site 1229

age vs. depth, 201B15:6
background and objectives, 201A10:1–2
biogeochemistry, 201A10:12–16
coring summary, 201A10:64–65
diagenetic dolomite, 201B13:6–8
downhole logging, 201A10:28–31
downhole tools, 201A10:27–28
lithostratigraphy, 201A1:60; 10:8–12
microbial communities, 201B1:22–24
microbiology, 201A10:16–20
operations, 201A10:6–8
organic matter, 201B4:1–21
physical properties, 201A10:20–27
pressure coring sampler, 201A3:6–7
principal results, 201A10:2–6
site description, 201A10:1–78
site summary, 201A1:39–43
total organic and inorganic carbon, 201B8:3–4
volcanic ash layers, 201B19:9, 24

Site 1230

background and objectives, 201A11:1–2
biogeochemistry, 201A11:12–18
coring summary, 201A11:86–88
diagenetic dolomite, 201B13:8–9
downhole logging, 201A11:32–35
downhole tools, 201A11:31–32
gas hydrates, 201A11:35–39
in situ methane, 201B20:11
lithostratigraphy, 201A1:60; 11:7–12
microbiology, 201A11:18–22
microorganisms, 201B3:1–19
operations, 201A11:5–7
organic matter diagenesis, 201B5:1–30
physical properties, 201A11:22–30
pressure coring sampler, 201A3:7–8
principal results, 201A11:2–5
site description, 201A11:1–107
site summary, 201A1:43–47
total organic and inorganic carbon, 201B8:4–5

Site 1231

background and objectives, 201A12:1–2
biogeochemistry, 201A12:12–14
coring summary, 201A12:51–52
downhole tools, 201A12:25–26
lithostratigraphy, 201A1:59; 12:6–11
microbiology, 201A12:15–18
operations, 201A12:5–6
oxygen isotopes, 201B7:5
physical properties, 201A12:18–25
principal results, 201A12:2–5
site description, 201A12:1–64
site summary, 201A1:18–22
total organic and inorganic carbon, 201B8:5

Site 1232

age models, 202A3:14
biostratigraphy, 202A3:9–11
composite depths, 202A3:38
composite section, 202A3:4–5
geochemistry, 202A3:12–14
introduction, 202A3:1–2

- lithostratigraphy, 202A3:5–9
- location, 202A3:16
- magnetic susceptibility, 202A3:40–41
- mass accumulation rates, 202A3:14
- mass accumulation rates and age models, 202A1:16–17
- operations, 202A3:2–4
- operations summary, 202A3:37
- paleomagnetism, 202A3:11–12
- seismic profiles, 202A3:17
- site description, 202A3:1–54
- site summary, 202A1:40–42
- splice tie points, 202A3:39
- Site 1233
 - age control points, 202A4:75
 - age models, 202A4:16–17
 - biostratigraphy, 202A4:9–10
 - composite section, 202A4:4–5
 - geochemistry, 202A4:13–16
 - introduction, 202A4:1–2
 - lithostratigraphy, 202A4:5–8
 - location, 202A4:22
 - major and trace elements, 202B10:1–9
 - mass accumulation rates, 202A4:16–17
 - mass accumulation rates and age models, 202A1:16–17
 - operations, 202A4:2–4
 - operations summary, 202A4:54
 - paleomagnetism, 202A4:11–13; 202B2:1–22; 14:1–30
 - primary composite depth scale, 202A4:55
 - primary splice tie points, 202A4:56
 - secondary composite depth scale, 202A4:57
 - secondary splice tie points, 202A4:58
 - site description, 202A4:1–76
 - site summary, 202A1:42–44
- Site 1234
 - age models, 202A5:15
 - biostratigraphy, 202A5:8–10
 - composite depth scale, 202A5:47
 - composite section, 202A5:4–5
 - geochemistry, 202A5:12–15
 - introduction, 202A5:1–2
 - lithostratigraphy, 202A5:5–8
 - location, 202A5:20
 - major and trace elements, 202B10:1–9
 - mass accumulation rates, 202A5:15
 - mass accumulation rates and age models, 202A1:16–17
 - nitrogen isotopes and diagenesis, 202B9:1–22
 - operations, 202A5:2–3
 - operations summary, 202A5:46
 - paleomagnetism, 202A5:10–12; 202B2:1–22
 - site description, 202A5:1–64
 - site summary, 202A1:44–46
 - splice tie points, 202A5:48
- Site 1235
 - age models, 202A6:16–17
 - biostratigraphy, 202A6:9–11
 - composite depth scale, 202A6:52
 - composite section, 202A6:4–5
 - geochemistry, 202A6:13–16
 - introduction, 202A6:1–2
 - lithostratigraphy, 202A6:5–9
 - location, 202A6:22
 - mass accumulation rates, 202A6:16–17
 - mass accumulation rates and age models, 202A1:16–17
 - nitrogen isotopes and diagenesis, 202B9:1–22
 - operations, 202A6:2–4
 - operations summary, 202A6:51
 - paleomagnetism, 202A6:11–12
 - site description, 202A6:1–68
 - site summary, 202A1:46–48
 - splice tie points, 202A6:56
- Site 1236
 - age models, 202A7:19–20; 202B4:38
 - biostratigraphy, 202A7:11–15
 - composite depth scale, 202A7:59
 - composite section, 202A7:4–5
 - geochemistry, 202A7:17–19
 - introduction, 202A7:1–3
 - isotope studies, 202A7:19–20; 202B4:38
 - lithostratigraphy, 202A7:5–10
 - location, 202A7:23
 - mass accumulation rates, 202A7:19–20
 - mass accumulation rates and age models, 202A1:17–18
 - operations, 202A7:3–4
 - operations summary, 202A7:58
 - orbitally derived age models, 202B4:1–69
 - paleomagnetism, 202A7:15–16
 - site description, 202A7:1–74
 - site summary, 202A1:48–51
 - splice tie points, 202A7:60
- Site 1237
 - age models, 202A8:25–26
 - bathymetry, 202A8:29–30
 - biostratigraphy, 202A8:14–20
 - composite depth scale, 202A8:75–76
 - composite section, 202A8:5–6
 - geochemistry, 202A8:22–25; 202B8:1–19
 - introduction, 202A8:1–3
 - isotope studies, 202B4:49–54
 - lithostratigraphy, 202A8:6–14
 - location, 202A8:29
 - mass accumulation rates, 202A8:25–26
 - mass accumulation rates and age models, 202A1:17–18
 - operations, 202A8:3–4
 - operations summary, 202A8:73–74
 - orbitally derived age models, 202B4:8–10
 - organic carbon and biomarkers, 202B7:1–14
 - paleomagnetism, 202A8:20–22
 - Pliocene–Pleistocene foraminifer geochemistry, 202B11:1–19
 - radiolarian biostratigraphy, 202B6:1–29
 - reference sections, 202A1:14–15
 - site description, 202A8:1–107
 - site summary, 202A1:51–56
 - splice tie points, 202A8:77
 - upper Oligocene magnetostratigraphy, 202B3:1–15

Site 1238

age models, 202A9:23–24
bathymetry, 202A9:27–28
biostratigraphy, 202A9:12–17
comparison of core gamma rays and downhole,
202A1:82
composite depth scale, 202A9:78–79
composite section, 202A9:5–6
downhole measurements, 202A9:21–23
geochemistry, 202A9:17–21
introduction, 202A9:1–3
lithostratigraphy, 202A9:6–11
location, 202A9:27
mass accumulation rates, 202A9:23–24
mass accumulation rates and age models, 202A1:19–
20
operations, 202A9:3–5
operations summary, 202A9:75–76
paleomagnetism, 202A9:17
site description, 202A9:1–101
splice tie points, 202A9:80

Site 1239

age models, 202A10:22–23
bathymetry, 202A10:27
biostratigraphy, 202A10:10–15
comparison of core and downhole gamma ray attenu-
ation density, 202A1:83
composite depth scale, 202A10:71–72
composite section, 202A10:5–6
downhole measurements, 202A10:20–22
geochemistry, 202A10:16–20
introduction, 202A10:1–3
isotope studies, 202B4:55–60
lithostratigraphy, 202A10:6–10
location, 202A10:26
mass accumulation rates, 202A10:22–23
mass accumulation rates and age models, 202A1:19–
20
operations, 202A10:3–5
operations summary, 202A10:69–70
orbitally derived age models, 202B4:1–69
organic carbon and biomarkers, 202B7:1–14
paleomagnetism, 202A10:15–16
site description, 202A10:1–93
site summary, 202A1:56–58
splice tie points, 202A10:73

Site 1240

age models, 202A11:17–18
apparent depth offsets of sequential cores vs. time,
202A1:84
basement fluid flow, 202A1:25
bathymetry, 202A11:23
biostratigraphy, 202A11:10–13
composite depth scale, 202A11:60–61
composite section, 202A11:4–5
geochemistry, 202A11:14–17
introduction, 202A11:1–2
lithostratigraphy, 202A11:5–10
location, 202A11:22
mass accumulation rates, 202A11:17–18

mass accumulation rates and age models, 202A1:20–
21
operations, 202A11:3–4
operations summary, 202A11:58–59
paleomagnetism, 202A11:13–14
site description, 202A11:1–82
site summary, 202A1:59–60
splice tie points, 202A11:62

Site 1241

age models, 202A12:18–19
bathymetry, 202A12:23
biostratigraphy, 202A12:10–13
composite depth scale, 202A12:76–77
composite section, 202A12:4–5
downhole measurements, 202A12:17–18
geochemistry, 202A12:15–17
introduction, 202A12:1–3
isotope studies, 202B4:61–69
lithostratigraphy, 202A12:5–10
location, 202A12:22
mass accumulation rates, 202A12:18–19
mass accumulation rates and age models, 202A1:20–
21
operations, 202A12:3–4
operations summary, 202A12:74–75
orbitally derived age models, 202B4:10–12
paleomagnetism, 202A12:13–14
Pliocene mixed-layer oceanography, 202B13:1–27
Pliocene stratification, 202B12:1–51
reference sections, 202A1:15–16
site description, 202A12:1–101
site summary, 202A1:60–63
splice tie points, 202A12:78

Site 1242

age models, 202A13:15–16
bathymetry, 202A13:20
biostratigraphy, 202A13:9–12
composite depth scale, 202A13:56–57
composite section, 202A13:4–5
geochemistry, 202A13:13–15
introduction, 202A13:1–2
lithostratigraphy, 202A13:5–9
location, 202A13:19
mass accumulation rates, 202A13:15–16
mass accumulation rates and age models, 202A1:20–
21
operations, 202A13:2–4
operations summary, 202A13:54–55
paleomagnetism, 202A13:12–13
site description, 202A13:1–74
site summary, 202A1:64–65
splice tie points, 202A13:58

Site 1243

background and objectives, 203A3:4–5
basement units, 203A3:77
coring summary, 203A3:76
downhole measurements, 203A3:22–27
geochemistry, 203A3:13–17
location, 203A1:16
mid-ocean ridge basaltic glass, 203B2:1–36
operations, 203A3:2–3, 5–7

- paleomagnetism, 203A3:17–20
 - petrology, 203A3:10–13
 - physical properties, 203A3:20–22, 82
 - schematic representation, 203A3:39
 - scientific results, 203A3:3–4
 - sedimentology, 203A3:7–9
 - site description, 203A3:1–85
 - summary, 203A3:1–2
 - synthesis, 203B1:1–16
- Site 1244
- acetate and hydrogen, 204B17:10
 - acoustic logs, 204B24:11–12, 30–32
 - bioevents, 204A3:107
 - biostratigraphy, 204A3:10–13
 - carbon isotopes in dissolved inorganic carbon, 204B20:8
 - consolidation and sediment strength, 204B12:1–148
 - coring summary, 204A3:102–104
 - downhole logging, 204A3:34–40
 - downhole measurements, 204A3:29–33
 - gas hydrate presence, 204A3:105–106
 - lithostratigraphy, 204A3:4–10
 - microbiology, 204A3:21–24
 - near-offset vertical seismic profiles, 204B25:4–5
 - operations, 204A3:2–4
 - operations summary, 204A1:15
 - organic geochemistry, 204A3:19–21
 - physical properties, 204A3:24–28; 204B8:5–6
 - pore water geochemistry, 204A3:13–19
 - principal scientific results, 204A1:15–18
 - rock magnetism, 204B18:13, 22
 - site description, 204A3:1–132
 - site summary, 204A1:14–18
- Site 1245
- acetate and hydrogen, 204B17:11
 - acoustic logs, 204B24:8–9, 23–24
 - age vs. iodine-129/iodine ratio, 204B14:22
 - biostratigraphy, 204A4:11–13
 - carbon isotopes in dissolved inorganic carbon, 204B20:9
 - coring summary, 204A4:100–102
 - downhole logging, 204A4:26–33
 - downhole measurements, 204A4:22–26
 - lithostratigraphy, 204A4:3–11
 - microbiology, 204A4:18–19
 - operations, 204A4:2–3
 - operations summary, 204A1:19
 - organic geochemistry, 204A4:15–18
 - physical properties, 204A4:19–22; 204B8:6
 - pore water geochemistry, 204A4:13–15
 - pressure cores, 204A4:22–26
 - principal scientific results, 204A1:19–21
 - rock magnetism, 204B18:14, 23–24
 - site description, 204A4:1–131
 - site summary, 204A1:18–21
- Site 1246
- acetate and hydrogen, 204B17:12
 - biostratigraphy, 204A5:5–7
 - carbon isotopes in dissolved inorganic carbon, 204B20:10
 - coring summary, 204A5:54
 - downhole logging, 204A5:15–19
 - downhole measurements, 204A5:14–15
 - lithostratigraphy, 204A5:2–5
 - operations, 204A5:2
 - operations summary, 204A1:22
 - organic geochemistry, 204A5:8–10
 - physical properties, 204A5:10–14; 204B8:6
 - pore water geochemistry, 204A5:7–8
 - pressure cores, 204A5:14–15
 - principal scientific results, 204A1:22–24
 - rock magnetism, 204B18:15, 25
 - seismic Horizon B, 204B1:33
 - site description, 204A5:1–67
 - site summary, 204A1:21–24
- Site 1247
- acoustic logs, 204B24:9–10, 25–27
 - biostratigraphy, 204A6:8–9
 - carbon isotopes in dissolved inorganic carbon, 204B20:11
 - coring summary, 204A6:70
 - downhole logging, 204A6:19–25
 - downhole measurements, 204A6:17–19
 - lithostratigraphy, 204A6:2–8
 - near-offset vertical seismic profiles, 204B25:5–6
 - operations, 204A6:2
 - operations summary, 204A1:25
 - organic geochemistry, 204A6:12–14
 - physical properties, 204A6:14–17; 204B8:6–7
 - pore water geochemistry, 204A6:9–12
 - principal scientific results, 204A1:25–27
 - rock magnetism, 204B18:16, 26
 - site description, 204A6:1–84
 - site summary, 204A1:25–27
- Site 1248
- biostratigraphy, 204A7:7–9
 - carbon isotopes in dissolved inorganic carbon, 204B20:12
 - coring summary, 204A7:62–63
 - downhole logging, 204A7:19–23
 - downhole measurements, 204A7:18–19
 - lithostratigraphy, 204A7:2–7
 - operations, 204A7:2
 - operations summary, 204A1:28
 - organic geochemistry, 204A7:12–14
 - physical properties, 204A7:14–18; 204B8:6–7
 - pore water geochemistry, 204A7:9–12
 - principal scientific results, 204A1:28–30
 - rock magnetism, 204B18:17, 27
 - site description, 204A7:1–75
 - site summary, 204A1:27–30
- Site 1249
- acetate and hydrogen, 204B17:13
 - biostratigraphy, 204A8:9–11
 - carbon isotopes in dissolved inorganic carbon, 204B20:13
 - coring summary, 204A8:76–80
 - depth of penetration, 204A8:81
 - downhole logging, 204A8:29–33
 - downhole measurements and pressure coring, 204A8:20–28
 - lithostratigraphy, 204A8:5–9

- microbiology, 204A8:15–17
 - operations, 204A8:2–5
 - operations summary, 204A1:30–31
 - organic geochemistry, 204A8:14–15
 - physical properties, 204A8:17–20
 - pore water geochemistry, 204A8:11–13
 - principal scientific results, 204A1:31–33
 - rock magnetism, 204B18:18, 28
 - site description, 204A8:1–98
 - site summary, 204A1:30–33
- Site 1250
- acetate and hydrogen, 204B17:14
 - acoustic logs, 204B24:10–11, 28–29
 - biostratigraphy, 204A9:9–10
 - carbon isotopes in dissolved inorganic carbon, 204B20:14
 - coring summary, 204A9:77–79
 - downhole logging, 204A9:22–29
 - downhole measurements and pressure coring, 204A9:19–22
 - lithostratigraphy, 204A9:3–8
 - microbiology, 204A9:14–16
 - near-offset vertical seismic profiles, 204B25:6–7
 - operations, 204A9:2–3
 - operations summary, 204A1:33–34
 - organic geochemistry, 204A9:12–14
 - physical properties, 204A9:16–19
 - pore water geochemistry, 204A9:10–12
 - principal scientific results, 204A1:34–36
 - rock magnetism, 204B18:19, 29
 - seismic Horizon A, 204B1:32
 - site description, 204A9:1–100
 - site summary, 204A1:33–36
- Site 1251
- acetate and hydrogen, 204B17:15
 - acoustic logs, 204B24:13–14, 35–36
 - biostratigraphy, 204A10:11–13
 - carbon isotopes in dissolved inorganic carbon, 204B20:15
 - coring summary, 204A10:91–94
 - diatom biostratigraphy, 204B6:2–3, 6–7
 - downhole logging, 204A10:30–37
 - downhole measurements and pressure coring, 204A10:25–30
 - gas hydrate lateral variability, 204B1:34
 - lithostratigraphy, 204A10:3–11
 - microbiology, 204A10:18–19
 - operations, 204A10:2–3
 - operations summary, 204A1:36–37
 - organic geochemistry, 204A10:16–18
 - physical properties, 204A10:19–25
 - pore water geochemistry, 204A10:13–16
 - principal scientific results, 204A1:37–40
 - rock magnetism, 204B18:20, 30–31
 - site description, 204A10:1–119
 - site summary, 204A1:36–40
- Site 1252
- acetate and hydrogen, 204B17:16
 - acoustic logs, 204B24:12–13, 33–34
 - biostratigraphy, 204A11:9–11
 - carbon isotopes in dissolved inorganic carbon, 204B20:16
 - coring summary, 204A11:53
 - diatom biostratigraphy, 204B6:3, 8–10
 - downhole logging, 204A11:17–20
 - downhole measurements and pressure coring, 204A11:16–17
 - lithostratigraphy, 204A11:2–9
 - operations, 204A11:2
 - operations summary, 204A1:40
 - organic geochemistry, 204A11:12–14
 - physical properties, 204A11:14–16; 204B8:7
 - pore water geochemistry, 204A11:11–12
 - principal scientific results, 204A1:40–42
 - rock magnetism, 204B18:21, 32–33
 - site description, 204A11:1–62
 - site summary, 204A1:40–42
- Site 1253
- alteration, 205A1:18–19
 - altered sediments, 205B3:1–16
 - Alvin submersible postcruise visit to CORK-II, 205A1:36–37; 2:12–13
 - barium, 205B2:16
 - borehole installation, 205B1:45
 - calcareous nannofossil biostratigraphy, 205B14:1–26
 - calcareous nannofossil range and zonation, 205B14:22
 - carbon and oxygen isotopes, 205B4:1–18
 - coring summary, 205A4:169
 - CORK-II, 205A1:25–26; 2:11; 4:11
 - downhole logging, 205A1:22–23; 4:7–9, 58–64; 205B13:13
 - downhole measurements, 205A1:22; 4:7, 53–57
 - fluid flow, 205A1:23–24; 4:9
 - igneous and metamorphic petrology, 205A1:18–19; 4:3–4, 27–35
 - igneous stratigraphy, 205A1:24–25; 4:9–10; 205B9:1–38
 - inorganic geochemistry, 205A1:20–21; 4:6, 45–48
 - lithostratigraphy, 205A1:17–18; 4:3, 19–26
 - location, 205A4:67
 - microbiology, 205A1:21; 4:6–7, 49–53
 - monitoring of incoming plate, 205B1:26–28
 - operations, 205A4:11–19
 - organic geochemistry, 205A1:21; 4:6, 48–49
 - paleomagnetism, 205A1:20; 4:5–6, 41–45
 - permeability and consolidation, 205B10:1–24; 11:1–13
 - phospholipid fatty acids, 205B8:18
 - physical properties, 205A1:20; 4:5, 37–41
 - reference site, 205A1:13–15
 - science objectives, 205A1:13–15
 - sediment geochemistry, 205A1:17–18; 4:3
 - seismic profiles, 205A1:54
 - site description, 205A4:1–184
 - site summary, 205A1:16–26; 4:1–11
 - stratigraphy, 205B14:16
 - structural geology, 205A1:19; 4:4–5, 35–36
 - temperature, 205B12:1–20

Site 1254

Alvin submersible postcruise visit to CORK-II, 205A2:12–13
 barium, 205B2:16
 calcareous nannofossil biostratigraphy, 205B14:1–26
 calcareous nannofossil range and zonation, 205B14:23–24
 coring summary, 205A5:92
 data summary, 205A1:66
 downhole measurements, 205A1:32–33; 5:7–8, 37–39
 inorganic geochemistry, 205A1:30–32; 5:5–7, 27–33
 lithostratigraphy, 205A1:27–28; 5:2–3, 13–19
 location, 205A1:64; 5:42–43
 microbiology, 205A1:32; 5:7, 36
 operations, 205A5:8–13
 organic geochemistry, 205A1:32; 5:7, 33–36
 paleomagnetism, 205A1:30; 5:5, 25–27
 permeability and consolidation, 205B10:1–24
 phospholipid fatty acids, 205B8:19
 physical properties, 205A1:32; 5:7, 22–25
 quinones, 205B8:21
 science objectives, 205A1:15–16
 seismic profiles, 205A1:65
 site description, 205A5:1–113
 site summary, 205A5:1–8
 stratigraphy, 205B14:17
 structural geology, 205A1:28–30; 5:3–5, 20–22

Site 1255

Alvin submersible postcruise visit to CORK-II, 205A1:36–37
 borehole installation, 205B1:46
 calcareous nannofossil biostratigraphy, 205B14:1–26
 calcareous nannofossil range and zonation, 205B14:25
 coring summary, 205A6:44
 CORK-II, 205A1:36; 2:11–12; 6:4, 26
 inorganic geochemistry, 205A1:35; 6:3, 14–17
 lithostratigraphy, 205A1:34; 6:2, 7–11
 location, 205A1:70; 6:22–23
 microbiology, 205A1:35; 6:3, 19–20
 operations, 205A6:4–7
 organic geochemistry, 205A1:34–35; 6:2–3, 18–19
 paleomagnetism, 205A1:35; 6:3, 13
 permeability and consolidation, 205B10:1–24; 11:1–13
 phospholipid fatty acids, 205B8:20
 physical properties, 205A1:36; 6:4, 12
 science objectives, 205A1:15–16
 seismic profiles, 205A1:71
 site description, 205A6:1–55
 site summary, 205A6:1–4
 stratigraphy, 205B14:18
 structural geology, 205A1:34; 6:2, 11
 temperature, 205B12:1–20

Site 1256

background and objectives, 206A3:5–9
 basement secondary mineral geochemistry, 206B8:1–16
 basement trace elements, 206B6:1–10
 bathymetry, 206A1:49–52
 calcium carbonate veins, 206B10:1–6

coring summary, 206A1:108; 3:335
 downhole measurements, 206A1:35
 drilling summary, 206A1:1–117
 geology, 206A1:10–11
 lava pond textures, 206B5:1–32
 lithostratigraphy vs. depth, 206A1:58–59
 location, 206A1:56; 3:114
 operations, 206A1:13–22, 105–107, 109–110; 3:9–21, 332–334, 336–337
 physical properties of upper oceanic crust, 206B13:1–11
 preliminary results, 206A3:1–5
 principal results, 206A1:22–36
 reconstruction of site, 206A1:48; 3:107
 reentry cone, 206A1:57
 secondary mineral chemistry, 206B7:1–16
 sediment geochemistry, 206B3:1–26
 sedimentary overburden, 206A3:22–52
 site description, 206A3:1–396
 structure reorientation, 206B11:1–26
 titanium hydrogarnets, 206B9:1–6
 upper Cenozoic nannofossil biostratigraphy, 206B2:1–25
 upper oceanic crust hydration, 206B12:1–13
 whole-core images, 206A1:35–36

Site 1257

background and objectives, 207A4:1–2
 biostratigraphy, 207A4:11–16
 carbonate content and organic carbon, 207A9:3–4
 composite depth, 207A4:20–21
 coring summary, 207A4:78–79
 Cretaceous black shale, 207A10:1–22
 critical events, 207A1:17
 depositional history, 207A1:18
 diatoms, 207B5:1–5
 downhole logging, 207A4:29–35
 inorganic geochemistry, 207A4:24–27
 intact membrane lipids, 207B12:1–11
 lithologic units, 207A4:80
 lithostratigraphy, 207A4:4–11
 location, 207B16:1–11
 magnetostratigraphy, 207B3:8–9
 operations, 207A1:14–15; 4:2–4
 organic geochemistry, 207A4:22–24
 paleomagnetism, 207A4:16–19
 physical properties, 207A4:27–29
 physical properties and logging, 207A1:17–18
 pore water geochemistry, 207A1:17
 pore water oxygen isotopes, 207B16:7
 sedimentation rates, 207A4:21–22
 seismic profiles, 207A1:83
 seismic stratigraphy, 207A1:15
 silicoflagellates, 207B4:1–11
 site description, 207A4:1–111
 splice tie points, 207A4:21, 96
 stable isotopes, 207B6:1–23
 stratigraphy, 207A1:16–17
 stress and void ratio, 207B15:27
 summary, 207A1:14–18

Site 1258

background and objectives, 207A5:1–2

biostratigraphy, 207A5:10–18
carbonate content and organic carbon, 207A9:4
composite depth, 207A5:21–23, 100
coring summary, 207A5:86–88
Cretaceous black shale, 207A10:1–22
critical events, 207A1:20–21
depositional history, 207A1:22–23
diatoms, 207B5:1–5
downhole logging, 207A5:33–39; 207B14:6
geochemistry, 207A1:21–22
inorganic geochemistry, 207A5:26–30
intact membrane lipids, 207B12:1–11
lithostratigraphy, 207A5:4–10
magnetostratigraphy, 207B3:9–10
operations, 207A1:19; 5:2–4
organic geochemistry, 207A5:24–26
paleomagnetism, 207A5:18–21; 207B3:36–37
physical properties, 207A5:30–33
physical properties and logging, 207A1:22
pore water oxygen isotopes, 207B16:8
sedimentation rates, 207A5:23–24
seismic profiles, 207A1:84
seismic stratigraphy, 207A1:19
silicoflagellates, 207B4:1–11
site description, 207A5:1–117
splice tie points, 207A5:22–23, 101
stable isotopes, 207B6:1–23
stratigraphy, 207A1:19–20

Site 1259

background and objectives, 207A6:1–2
biostratigraphy, 207A6:11–21
carbonate content and organic carbon, 207A9:4–5
composite depth, 207A6:25–26, 94
coring summary, 207A6:78–80
critical events, 207A1:25–26
depositional history, 207A1:27–28
inorganic geochemistry, 207A6:31–32
lithostratigraphy, 207A6:4–10
location, 207B16:1–11
magnetostratigraphy, 207B3:11–12
operations, 207A1:23; 6:3
organic geochemistry, 207A6:28–30
paleomagnetism, 207A6:22–25; 207B3:38–39
physical properties, 207A1:27; 6:33–36
pore water geochemistry, 207A1:26–27
pore water oxygen isotopes, 207B16:9
sedimentation rates, 207A6:27–28
seismic profiles, 207A1:85; 6:39–40
seismic stratigraphy, 207A1:24
site description, 207A6:1–110
splice tie points, 207A6:26, 95
stratigraphy, 207A1:24–25
stress and void ratio, 207B15:28

Site 1260

background and objectives, 207A7:1–2
biostratigraphy, 207A7:11–18
carbonate content and organic carbon, 207A9:5
composite depth, 207A7:21–23, 95
coring summary, 207A7:81–83
critical events, 207A1:30–31
depositional history, 207A1:32

downhole logging, 207A7:33–38; 207B14:6–7
inorganic geochemistry, 207A7:26–30
lithologic units, 207A7:84
lithostratigraphy, 207A7:3–11
magnetostratigraphy, 207B3:12
operations, 207A1:28; 207A7:2–3
organic geochemistry, 207A7:25–26
paleomagnetism, 207A7:18–21; 207B3:40–45
physical properties, 207A7:30–32
physical properties and logging, 207A1:31–32
pore water-geochemistry, 207A1:31
pore water oxygen isotopes, 207B16:10
sedimentation rates, 207A7:23–24
seismic profiles, 207A1:86; 7:40–42
seismic stratigraphy, 207A1:28–29
site description, 207A7:1–113
splice tie points, 207A7:23, 96
stable isotopes, 207B6:1–23
stratigraphy, 207A1:29–30

Site 1261

A Horizon, 207B1:26
background and objectives, 207A8:1–2
biostratigraphy, 207A8:10–19
carbonate content and organic carbon, 207A9:5–6
composite depth, 207A8:22, 87
coring summary, 207A8:77–78
critical events, 207A1:35
depositional history, 207A1:36–37
downhole logging, 207A8:31–37; 207B14:7–8
inorganic geochemistry, 207A8:26–29
lithologic units, 207A8:79
lithostratigraphy, 207A8:3–10
location, 207B16:1–11
magnetostratigraphy, 207B3:13
operations, 207A1:33; 8:2–3
organic geochemistry, 207A8:24–26
paleomagnetism, 207A8:19–21; 207B3:46–48
physical properties, 207A8:29–31
physical properties and logging, 207A1:36
pore water geochemistry, 207A1:35
pore water oxygen isotopes, 207B16:11
sedimentation rates, 207A8:22–24
seismic profiles, 207A1:87; 8:39–40
seismic stratigraphy, 207A1:33–34
site description, 207A8:1–103
splice tie points, 207A8:22, 88
stratigraphy, 207A1:34–35
stress and void ratio, 207B15:29

Site 1262

age models and mass accumulation rates, 208A3:23
biostratigraphy, 208A3:9–17
composite depth, 208A3:4–5
composite depth scale, 208A3:62
coring summary, 208A3:61
geochemistry, 208A3:19–23
introduction, 208A3:1–2
lithostratigraphy, 208A3:5–9, 64
location, 208A1:63; 3:25
operations, 208A3:2–4
paleomagnetism, 208A3:17–19
seismic data, 208B6:6–7

seismic profiles, 208A1:64; 3:26–27; 208B1:34
site description, 208A3:1–92
site summary, 208A1:13–15
splice tie points, 208A3:63

Site 1263

age models and mass accumulation rates, 208A4:25
biostratigraphy, 208A4:8–15
carbon isotopes of *n*-alkanes, 208B5:1–11
composite depth, 208A4:4–5
composite depth scale, 208A4:71
core recovery, 208A4:69–70
core recovery plot, 208A4:68
downhole measurements, 208A4:21–25
geochemistry, 208A4:17–21
introduction, 208A4:1–2
lithostratigraphy, 208A1:69; 4:5–8, 73
location, 208A1:67; 4:27
operations, 208A4:2–4
paleomagnetism, 208A4:15–17
seismic data, 208B6:8–9
seismic profiles, 208A1:68, 71; 4:28–29
site description, 208A4:1–87
site summary, 208A1:15–18
splice tie points, 208A4:72
terrigenous grain-size distribution, 208B2:1–13

Site 1264

age models and mass accumulation rates, 208A5:19
biostratigraphy, 208A5:6–12
composite depth, 208A5:3
composite depth scale, 208A5:56
core recovery plot, 208A5:53
coring summary, 208A5:54–55
geochemistry, 208A5:14–19
introduction, 208A5:1–2
lithostratigraphy, 208A1:72; 5:3–6, 58
location, 208A1:67; 5:22
operations, 208A5:2–3
seismic data, 208B6:8–9
seismic profiles, 208A1:68, 71; 5:23–24
site description, 208A5:1–73
site summary, 208A1:18–19
splice tie points, 208A5:57

Site 1265

age models and mass accumulation rates, 208A6:31–
32
biostratigraphy, 208A6:10–19
checkshot survey, 208A6:104
composite depth, 208A6:4–5
composite depth scale, 208A6:89
core recovery plot, 208A6:86
coring summary, 208A6:87–88
downhole measurements, 208A6:25–31
geochemistry, 208A6:22–25
introduction, 208A6:1–2
lithostratigraphy, 208A1:75; 6:5–10
location, 208A6:34
operations, 208A6:2–4
paleomagnetism, 208A6:20–22
seismic data, 208B6:8
seismic profiles, 208A1:74; 6:35–36
site description, 208A6:1–107

site summary, 208A1:19–21
splice tie points, 208A6:90

Site 1266

age models mass accumulation rates, 208A7:24–25
biostratigraphy, 208A7:9–18
composite depth, 208A7:4
composite depth scale, 208A7:64
core recovery plot, 208A7:61
coring summary, 208A7:62–63
geochemistry, 208A7:21–24
introduction, 208A7:1–2
lithostratigraphy, 208A1:78; 7:4–9
location, 208A7:27
operations, 208A7:2–4
Paleocene/Eocene boundary biostratigraphy,
208B3:1–9
paleomagnetism, 208A7:18–20
seismic data, 208B6:7–8
seismic profiles, 208A1:77; 7:28–29
site description, 208A7:1–79
site summary, 208A1:21–23
splice tie points, 208A7:65

Site 1267

age models and mass accumulation rates, 208A8:25–
26
biostratigraphy, 208A8:9–20
composite depth, 208A8:4
composite depth scale, 208A8:62
core recovery plot, 208A8:59
coring summary, 208A8:60–61
geochemistry, 208A8:21–25
introduction, 208A8:1–2
lithostratigraphy, 208A1:82; 8:4–9
location, 208A1:80; 8:28
operations, 208A8:2–3
paleomagnetism, 208A8:20–21
seismic data, 208B6:7
seismic profiles, 208A1:81; 8:29
site description, 208A8:1–77
site summary, 208A1:23–25
splice tie points, 208A8:63
terrigenous grain-size distribution, 208B2:1–13

Site 1268

bathymetry, 209A3:53–56
coring summary, 209A3:155
downhole measurements, 209A3:48
geochemistry, 209A3:33–37, 159–160
highly depleted mantle peridotites, 209A1:16
hydrothermal alteration, 209A1:18–20
igneous and mantle petrology, 209A3:3–10
igneous rock proportion, 209A1:15–16
lithology and stratigraphy, 209A3:57
location, 209A3:53–56
metamorphic petrology, 209A3:10–20
microbiology, 209A1:23; 3:47–48
microprobe data of primary phases and alteration
products, 209B2:1–13
operations, 209A3:1–3
paleomagnetism, 209A3:41–47
paleomagnetism and tectonics, 209A1:21–23
petrogenesis of intrusive gabbro-norites, 209A1:16–18

- physical properties, 209A3:37–41
 - site description, 209A3:1–171
 - site summary, 209A1:15–23
 - structural geology, 209A1:20–21; 3:20–33
 - sulfide mineralization, 209B3:1–18
 - thermal conductivity, 209A3:161
 - vein mineralogy, 209A3:157
 - X-ray diffraction data, 209A3:156
- Site 1269
- bathymetry, 209A4:7–9
 - coring summary, 209A4:14
 - igneous and metamorphic petrology, 209A4:2–4
 - location, 209A4:8
 - microbiology, 209A4:4–5
 - microbiology data for mud, 209A4:15
 - operations summary, 209A4:1–2
 - site description, 209A4:1–15
 - summary, 209A1:23–24
- Site 1270
- bathymetry, 209A5:50–52
 - coring summary, 209A5:173–174
 - geochemistry, 209A5:34–39
 - highly depleted mantle peridotites, 209A1:25–26
 - hydrothermal alteration, 209A1:26–28
 - igneous and mantle petrology, 209A5:3–20
 - igneous rock proportion, 209A1:24–25
 - location, 209A5:51
 - microbiology, 209A5:45–46
 - operations summary, 209A5:1–3
 - paleomagnetism, 209A5:41–45
 - paleomagnetism and tectonics, 209A1:30–33
 - physical properties, 209A5:40–41
 - site description, 209A5:1–188
 - structural geology, 209A1:28–30; 5:21–34
 - summary, 209A1:24–33
- Site 1271
- bathymetry, 209A6:41–43
 - chromitites of mid-ocean ridges, 209A1:35–36
 - coring summary, 209A6:119
 - downhole measurements, 209A6:36–37
 - dunite origin, 209A1:34–35
 - geochemistry, 209A6:27–31
 - highly depleted mantle peridotites, 209A1:34
 - hybridization of dunites and gabbroic rocks, 209B4:1–23
 - hydrothermal alteration, 209A1:37–38
 - igneous and mantle petrology, 209A6:2–9
 - intrusive rock petrogenesis, 209A1:36–37
 - location, 209A6:42
 - metamorphic petrology, 209A6:9–18
 - microbiology, 209A6:35–36
 - operations summary, 209A6:1–2
 - paleomagnetism, 209A6:33–35
 - paleomagnetism and tectonics, 209A1:39
 - physical properties, 209A6:32–33
 - proportion of igneous rocks, 209A1:33–34
 - site description, 209A6:1–129
 - structural geology, 209A1:38–39; 6:18–27
 - summary, 209A1:33–39
- Site 1272
- bathymetry, 209A7:39–41
 - bulk density and caliper logs, 209A7:128
 - caliper logs summary, 209A7:127
 - coring summary, 209A7:121
 - downhole measurements, 209A7:32–36
 - electron microprobe data of primary phases and alteration products, 209B2:1–13
 - geochemistry, 209A7:20–25
 - highly depleted mantle peridotites, 209A1:41–42
 - hydrothermal alteration, 209A1:42–43
 - igneous and mantle petrology, 209A7:2–7
 - igneous rock proportion, 209A1:40–41
 - location, 209A7:40
 - metamorphic petrology, 209A7:7–11
 - microbiology, 209A7:31–32
 - operations summary, 209A7:1–2
 - paleomagnetism, 209A7:28–31
 - paleomagnetism and tectonics, 209A1:44
 - petrogenesis of plutonic rocks, 209A1:42
 - physical properties, 209A7:25–28
 - site description, 209A7:1–134
 - structural geology, 209A1:43–44; 7:11–20
 - summary, 209A1:39–44
 - X-ray diffraction data, 209A7:122
- Site 1273
- bathymetry, 209A8:5–7
 - coring summary, 209A8:10
 - igneous and mantle petrology, 209A8:2–3
 - location, 209A8:6
 - operations, 209A8:1–2
 - site description, 209A8:1–10
 - summary, 209A1:45
- Site 1274
- bathymetry, 209A9:32–34
 - coring summary, 209A9:102
 - downhole measurements, 209A9:27
 - geochemistry, 209A9:17–20
 - highly depleted mantle peridotites, 209A1:46–47
 - hydrothermal alteration, 209A1:47–50
 - igneous and mantle petrology, 209A9:2–7
 - igneous rock proportion, 209A1:46
 - location, 209A9:33
 - metamorphic petrology, 209A9:7–11
 - microbiology, 209A9:25–27
 - microprobe data of primary phases and alteration products, 209B2:1–13
 - operations, 209A9:1
 - paleomagnetism, 209A9:22–25
 - paleomagnetism and tectonics, 209A1:52–53
 - physical properties, 209A9:21–22
 - plutonic rock petrogenesis, 209A1:47
 - site description, 209A9:1–116
 - structural geology, 209A1:51–52; 9:12–17
 - summary, 209A1:45–53
 - X-ray diffraction data, 209A9:103
- Site 1275
- bathymetry, 209A10:45–47
 - coring summary, 209A10:154–155
 - downhole measurements, 209A10:37–41
 - gabbroic rock petrogenesis, 209A1:59–61
 - geochemistry, 209A10:22–27
 - hydrothermal alteration, 209A1:61–62

- igneous and mantle petrology, 209A10:3–10
location, 209A10:46
metamorphic petrology, 209A10:10–17
microbiology, 209A10:36–37
operations summary, 209A10:1–3
paleomagnetism, 209A10:31–36
paleomagnetism and tectonics, 209A1:63–65
physical properties, 209A10:27–31
site description, 209A10:1–167
structural geology, 209A1:62–63; 10:17–22
summary, 209A1:56–65
X-ray diffraction data, 209A10:156
- Site 1276
Albian nannofossil biostratigraphy, 210B11:1–9
biostratigraphic datums vs. depth, 210A3:266
biostratigraphy, 210A1:16–19; 3:73–90; 210B11:1–9;
12:1–8; 13:1–53
biostratigraphy summary, 210A3:331
coring summary, 210A3:314–315
Cretaceous paleolatitude, 210B15:11–13, 26
drilling, 210A1:58–59
Eocene benthic foraminifers, 210B12:1–8
geochemical evidence for sedimentation, 210B8:1–63
geochemistry, 210A1:20–21; 3:95–98
igneous and metamorphic petrology, 210A1:15; 3:64–
70
lithologic unit summary, 210A3:316–317
lithostratigraphy, 210A1:13–15, 61; 3:20–64, 127–129
major and trace elements, 210A3:323–328
multiproxy geochemical characterization of black
shales, 210B10:1–16
operations, 210A1:60; 3:4–20, 122–126
paleomagnetism, 210A1:19–20; 3:90–95
physical properties, 210A1:21–22; 3:99–107
quartz fluid inclusions, 210B5:1–21
sedimentation rates, 210A3:329
seismic–borehole correlation, 210A3:107–113
seismic–core correlation, 210B14:1–33
seismic profiles, 210A1:53–54
sill geochemistry, 210A3:330
sills, 210A1:30–31
site description, 210A3:1–358
stratigraphy comparison with Iberia margin,
210A1:24–28
structural geology, 210A3:70–73
structures, 210B6:1–21
summary, 210A3:1–4
synthesis, 210A1:13–22
U reflection, 210A1:31
X-ray diffraction data, 210A3:318–322
- Site 1277
basalt flows, 210B9:1–69
biostratigraphy, 210A1:23; 4:8
comparison of tectonic and stratigraphic relations at
top of basement, 210B9:64
coring summary, 210A4:36
Cretaceous paleolatitude, Site 1276, 210B15:11–13, 26
geochemistry, 210B9:68–69
igneous and metamorphic petrology, 210A4:3–8
lithostratigraphy, 210A1:22–23
operations, 210A1:60; 4:2–3
paleomagnetism, 210A1:23–24; 4:9
physical properties, 210A1:24; 4:10–11
seafloor relations, 210B9:65
seismic–borehole correlation, 210A4:11–12
site description, 210A4:1–39
site summary, 210A4:1–2
synthesis, 210A1:22–24
- Site ALJOS, bathymetry, 206A1:52
Site Archie, location, 102A2:90, 91
Site CARB-1
bathymetry, 115B43:783
sediment isopach map, 115B43:785
site survey results, 115B43:781
- Site CARB-2, site survey results, 115B43:781
- Site DR-3
dolomicrite, 112A6:97
tectonized lithology, 112A6:99
- Site DR-4
authigenic rocks, 112A6:99
dolomicrite, 112A6:97
tectonized lithology, 112A6:99
- Site DR-5, calcareous mudstone, 112A6:97
- Site DR-7
calcareous mudstone, 112A6:97
tectonized lithology, 112A6:99
- Site DR-9
authigenic rocks, 112A6:99
dolomicrite, 112A6:97
- Site DR-11
dolomicrite, 112A6:97
tectonized lithology, 112A6:99
- Site DR-15, lithology, 112A6:95
- Site DR-16, tectonized lithology, 112A6:99
- Site DR-17
benthic foraminiferal biostratigraphy, 112A6:95
lithology, 112A6:95
tectonized lithology, 112A6:99
- Site DR-18, tectonized lithology, 112A6:99
- Site DR-25
glauconitic sand, 112A6:99
lithology, 112A6:93
metamorphic basement, 112A6:96
mudstone, 112A6:97
siliciclastic sandstone, 112A6:97
stable isotopes, 112A6:99
tectonized lithology, 112A6:99
tectonized mudstone, 112A6:94
- Site DR-30
clastic rocks, 112A6:97
metamorphic basement, 112A6:96–97
siliciclastic sandstone, 112A6:97
- Site DR-32, chert, 112A6:99
- Site DR-34
authigenic rocks, 112A6:99
lithology, 112A6:96
metamorphic basement, 112A6:96
- Site DR-35
authigenic rocks, 112A6:99
brecciated carbonate, 112A6:99
calcareous mudstone, 112A6:97
clastic rocks, 112A6:97

- lithology, 112A6:96
- mineralogy, 112A6:98
- shallow-water conglomerate, 112A6:92
- stable isotopes, 112A6:99
- tectonized clastic rocks, 112A6:99
- Site DR-36
 - lithology, 112A6:96
 - mineralogy, 112A6:98
- Site DR-46
 - dolomicrite, 112A6:97
 - tectonized lithology, 112A6:99
- Site DR-54
 - brecciated carbonate, 112A6:99
 - glauconitic sand, 112A6:99
 - mineralogy, 112A6:98
 - tectonized lithology, 112A6:99
- Site DR-59
 - authigenic rocks, 112A6:99
 - brecciated carbonate, 112A6:99
 - glauconitic sand, 112A6:99
 - mineralogy, 112A6:98
 - tectonized lithology, 112A6:99
- Site ENG-4, location, 124E_A1:7; 18:118
- Site GUATB-01, bathymetry, 206A1:51
- Site GUATB-02, bathymetry, 206A1:50; 3:111
- Site GUATB-03
 - bathymetry, 206A1:49; 3:110
 - seismic profiles, 206A1:53–54
- Site H2O, spectra, 203A1:23
- Site MD 84641, sapropels, 161B31:409–410
- Site MP-1
 - sediment thickness, 115B43:790
 - site survey results, 115B43:782
 - water depth, 115B43:789
- Site MP-2
 - bathymetry, 115B43:787
 - sediment thickness, 115B43:788
 - site survey results, 115B43:782
- Site MP-3
 - sediment isopach map, 115B43:786
 - seismic reflection profiling, 115B43:787
 - site survey results, 115B43:782
- Site NB-1, basalt argon geochronology, 115B4:46–50
- Site NER-2C, seismic reflection profiling, 121A5:103
- Site ODP-3
 - proposed detail of seismic stratigraphic relationships at margin of grabenlike feature, 130A6:217
 - map of distribution of grabenlike features, 130A6:216
 - seismic profile collected aboard the *Thomas Washington* showing grabenlike feature, 130A6:215
- Site RC11-210, grain-size periodicities, 117B21:383–387
- Site RC2704
 - bathymetry, 117A5:52, 54–55
 - location, 117A9:198
 - monsoonal upwelling planktonic foraminifers factor analysis, 117B14:268
 - planktonic foraminiferal record, 117B14:265–272
 - seismic stratigraphy, 117A3:38; 5:63; 8:180; 11:344; 16:520; 19:585
 - station summary, 117A5:53
- Site RC2709, oxygen minimum zones, 117B33:548
- Site RC2712, oxygen minimum zones, 117B33:548
- Site RC2723, oxygen minimum zones, 117B33:548
- Site RC2724, oxygen minimum zones, 117B33:548
- Site RC2761
 - aridity and strength of monsoon, 117B21:366
 - bathymetry, 117B20:344
 - biogenic opal mass accumulation rates, 117B20:349, 351
 - calcium carbonate, 117A2:252; 117B20:351
 - dust accumulation with glacial aridity, 117B21:371
 - factor analysis, 117B21:266–269
 - grain-size glacial/interglacial cycles, 117B21:371
 - lithogenic component intercore reproducibility, 117B21:373–374
 - oxygen isotopes, 117B20:351
 - planktonic foraminiferal abundance, 117B21:266–267
 - planktonic foraminiferal abundance in glacial/interglacial cycles, 117B21:269–271
 - planktonic foraminiferal preservation, 117B21:268
 - Pseudocubus warreni*, 117B4:95
- Site SEG01, site description, 163X_A5:3–4
- Site SEG02, site description, 163X_A5:4
- Site SEG03, site description, 163X_A4:5–6
- Site SEG04, site description, 163X_A4:6
- Site SEG05, site description, 163X_A4:6–7
- Site SEG06, site description, 163X_A4:7
- Site SEG07, site description, 163X_A4:7
- Site SEG08, site description, 163X_A4:7
- Site SEG09, site description, 163X_A4:8
- Site SEG10, site description, 163X_A4:8
- Site SEG11, site description, 163X_A4:8
- Site SEG12, site description, 163X_A4:9
- Site SEG13, site description, 163X_A4:9
- Site SEG14, site description, 163X_A4:9
- Site SEG15, site description, 163X_A4:9
- Site SEG16, site description, 163X_A4:9–10
- Site SEG17, site description, 163X_A4:10
- Site SEG18, site description, 163X_A4:10
- Site SEG19, site description, 163X_A4:10
- Site SEG20, site description, 163X_A4:11
- Site SEG21, site description, 163X_A6:5–6
- Site SEG22, site description, 163X_A6:6
- Site SEG23, site description, 163X_A6:6
- Site SEG24, site description, 163X_A6:6
- Site SEG25, site description, 163X_A6:6
- Site SEG26, site description, 163X_A6:6
- Site SEG27, site description, 163X_A6:7
- Site SEG28, site description, 163X_A6:7
- Site SEG29, site description, 163X_A6:7
- Site SEG30, site description, 163X_A6:7
- Site SEG31, site description, 163X_A6:7
- Site SEG32, site description, 163X_A6:8
- Site SEG33, site description, 163X_A6:8
- Site SEG34, site description, 163X_A6:8
- Site SEG35, site description, 163X_A6:8
- Site SEG36, site description, 163X_A6:8
- Site SEG37, site description, 163X_A6:8
- Site SEG38, site description, 163X_A6:9
- Site SEG39, site description, 163X_A6:9
- Site SEG40, site description, 163X_A6:9

- Site SEG41, site description, 163X_A6:9
 Site SEG42, site description, 163X_A6:10
 Site SEG43, site description, 163X_A6:10
 Site SEG44, site description, 163X_A6:10
 Site SEG45, site description, 163X_A6:10
 Site SEG46, site description, 163X_A6:11
 Site SEG47, site description, 163X_A6:11
 Site SEG48, site description, 163X_A6:11
 Site SEG49, site description, 163X_A6:11
 Site SEG50, site description, 163X_A6:11
 Site SEG51, site description, 163X_A6:12
 Site SEG52, site description, 163X_A6:12
 Site SEG53, site description, 163X_A6:12
 Site SEG54, site description, 163X_A6:12–13
 Site SEG55, site description, 163X_A6:13
 Site SEG56, site description, 163X_A6:13
 Site SEG57, site description, 163X_A6:13
 Site SEG58, site description, 163X_A6:14
 Site SEG59, site description, 163X_A6:14
 Site SEG60, site description, 163X_A6:14
 Site SEG61, site description, 163X_A6:14
 Site SEG62, site description, 163X_A6:15
 Site SEG63, site description, 163X_A6:15
 Site SEG64, site description, 163X_A6:15
 Site SEG65, site description, 163X_A6:15
 Site SEG66, site description, 163X_A6:16
 Site SEG67, site description, 163X_A7:3
 Site SEG68, site description, 163X_A7:3
 Site SEG69, site description, 163X_A7:3
 Site SEG70, site description, 163X_A7:3–4
 Site SEG71, site description, 163X_A7:4
 Site SEG72, site description, 163X_A7:4
 Site SEG73, site description, 163X_A6:16
 Site SEG74, site description, 163X_A6:16–17
 Site SEG75, site description, 163X_A6:17
 Site SEG76, site description, 163X_A6:17–18
 Site SEG77, site description, 163X_A6:18
 Site SEG78, site description, 163X_A6:18
 Site SEG79, site description, 163X_A6:18–19
 Site SEG80, site description, 163X_A6:19
 Site SEG81, site description, 163X_A6:19
 Site SM-1
 basalt argon geochronology, 115B4:46–50
 basalt petrology, 115B4:45
 location, 115B5:53
 strontium isotope ratio, 115B5:55
 Sites 102–104, temperature calibration, 141B20:264
 Sites 289/586
 seismic profiles, 130A3:52
 seismic sections and marker reflection, 130A3:48
 single-channel seismic profiles, 130A3:51
 Sites 501/504
 average heat flow, 111A2:28
 bathymetry, 111A2:24–25
 bottom water circulation, 111A2:28
 bottom water temperature, 111A2:23
 calcium, 111A2:27–28
 calcium vs. depth, 111A2:31
 heat flow, 111A2:26–27
 heat flow vs. vertical pore water flux, 111A2:31
 location, 111A2:25; 4:255; 111B3:25
 magnesium, 111A2:27–28
 magnesium vs. depth, 111A2:31
 piston core locations, 111A2:29
 pore water flux rate, 111A2:28, 31–32
 sediment thickness, 111A2:25–26; 4:255–256;
 111B17:196
 thermal conductivity, 111A2:26–27, 30
 Sites 552–554, seismic profiles, 163B1:7
 Sites 552–555, volcanostratigraphy, 163B1:5
 Sites 811/825
 algae, 133B5:67–74
 biostratigraphy, 133B4:52–58; 20:281–282
 lithofacies, 133B37:535–540
 paleobathymetry, 133B6:77–78, 80
 paleoclimatology, 133B21:291–300
 strontium-isotope ages, 133B33:490–493
 See also Site 811; Site 825
 Sites 873–877, radiometric ages, 144B32:547–548, 551–
 552
 Sites 875–876
 background and objectives, 144A7:256
 biostratigraphy, 144A7:269–274
 coring summary, 144A7:257
 downhole measurements, 144A7:280, 282, 284
 igneous petrology, 144A7:277–280
 inorganic geochemistry, 144A7:275–276
 lithostratigraphy, 144A7:258–269
 operations, 144A7:256–258
 organic geochemistry, 144A7:276–277
 paleomagnetism, 144A7:274–275
 physical properties, 144A7:280
 seismic stratigraphy, 144A7:284
 site description, 144A7:255–286
 summary and conclusions, 144A7:284–286
 Sites 885–886
 background and scientific objectives, 145A7:304–305
 biostratigraphy, 145A7:308–310
 coring, 145A7:306
 inorganic geochemistry, 145A7:312–313
 lithostratigraphy, 145A7:306–308
 operations, 145A7:305–306
 organic geochemistry, 145A7:313, 315
 paleomagnetism, 145A7:310–311
 pelagic clay, 145B38:593
 physical properties, 145A7:315–317
 sedimentation rates and fluxes, 145A7:311–312
 seismic–lithologic correlation, 145A7:317
 site description, 145A7:303–334
 summary and conclusions, 145A7:317–319
 Sites 914–917
 lithologic units, 152A10:165–173
 lithostratigraphy, 152A10:164–175
 sedimentation rates, 152A10:173–174
 seismic stratigraphy, 152A10:159–164
 shelf stratigraphy, 152A10:159–175
 Sites 920–924
 remanent magnetization, 153B32:547–559
 structural features, 153B32:547–559
 Sites 921–923
 gabbroic rocks, 153B6:99–121; 18:351–362
 magmatic evolution, 153B5:77–98

- Sites 921–924
fluid evolution, 153B22:399–415
hydrothermal veins, 153B9:155–178
tectonic windows, 153B4:61–76
- Sites 980–981
background and objectives, 162A3:51–52
biostratigraphy, 162A3:66–70
composite depths, 162A3:52–58
coring, 162A3:53
inorganic geochemistry, 162A3:74–76, 79–81
lithostratigraphy, 162A3:55, 58–61, 64–66
operations, 162A3:52
organic geochemistry, 162A3:73–74
paleomagnetism, 162A3:70–71
physical properties, 162A3:81–85
sedimentation rates, 162A3:72–73
seismic stratigraphy, 162A3:85, 87–88
site description, 162A3:49–90
- Sites 980–984, magnetostratigraphy, 162B8:113–130
- Sites 991–993
background and objectives, 164A5:66–67
coring, 164A5:69
inorganic geochemistry, 164A5:88–90
operations, 164A5:68
organic geochemistry, 164A5:87–88
paleomagnetism, 164A5:82–87
physical properties, 164B40:424
site description, 164A5:65–97
synthesis and significance, 164A5:94, 96
- Sites 1008–1009
background and objectives, 166A11:348–349
coring, 166A11:350
in situ temperature, 166A11:368–369
inorganic geochemistry, 166A11:361–365
operations, 166A11:349–350
organic geochemistry, 166A11:360–361
seismic stratigraphy, 166A11:369–372
site description, 166A11:347–373
summary and conclusions, 166A11:372–373
- Sites 1023–1025
age profiles, 168A4:77–79
basement lithology, 168A4:59–77
biostratigraphy, 168A4:77–78
coring, 168A4:55
CORK experiments, 168A4:97–98
fluid geochemistry, 168A4:79–85
lithostratigraphy, 168A4:57–59
magnetostratigraphy, 168A4:78–79
organic geochemistry, 168A4:85–86
packer experiments, 168A4:96–97
petrology, 168A4:59–77
physical properties, 168A4:86–94
sedimentary petrology, 168A4:57–59
site description, 168A4:49–100
thermal studies, 168A4:94–96
- Sites 1026–1027
age profiles, 168A5:133–134
bacteria, 168B13:161–165
basement petrology, 168A5:113–133
coring, 168A5:106
CORK experiments, 168A5:153
fluid geochemistry, 168A5:134–138
lithostratigraphy, 168A5:109–113
organic geochemistry, 168A5:138–140
packer experiments, 168A5:146–147, 153
physical properties, 168A5:140–141
site description, 168A5:101–160
thermal studies, 168A5:141–145
- Sites 1028–1032
age profiles, 168A6:175
basement lithology, 168A6:169–175
coring, 168A6:165
downhole measurements, 168A6:180–181
fluid geochemistry, 168A6:176–177
lithostratigraphy, 168A6:166–169
organic geochemistry, 168A6:177
physical properties, 168A6:177–179
site description, 168A6:161–212
thermal studies, 168A6:179–180
- Sites 1033–1034
background and scientific objectives, 169S_A2:13–16
objectives, 169S_A2:16–17
operations, 169S_A2:18–20
organic chemistry, 169S_A2:32–39
site description, 169S_A2:11–61
summary, 169S_A2:40
- Sites 1054–1055
background and objectives, 172A3:35
biostratigraphy, 172A3:40–44
composite depths, 172A3:47–48
coring, 172A3:36
inorganic geochemistry, 172A3:59–63
lithostratigraphy, 172A3:37–40
mass accumulation rates, 172A3:48–49
operations, 172A3:35–37
organic geochemistry, 172A3:49, 51–59
paleomagnetism, 172A3:44–47
physical properties, 172A3:63–68
sedimentation rates, 172A3:48–49
site description, 172A3:33–76
site geophysics, 172A3:68–75
stratigraphic correlation, 172A3:47–48
- Sites 1054–1062, salinity, 172A1:9
- Sites 1054–1064, carbonate content, 172B6:1–12
- Sites 1056–1059
background and objectives, 172A4:81
biostratigraphy, 172A4:93–97
coring, 172A4:82–83
inorganic geochemistry, 172A4:122–129
lithostratigraphy, 172A4:83–93
mass accumulation rates, 172A4:104–107, 113–116
operations, 172A4:81–83
organic geochemistry, 172A4:116–122
paleomagnetism, 172A4:97–104
physical properties, 172A4:129, 132–134
sedimentation rates, 172A4:104–107, 113–116
site description, 172A4:77–156
site geophysics, 172A4:135, 138, 143, 146
- Sites 1060–1062
background and objectives, 172A5:161
biostratigraphy, 172A5:178–184
composite depths, 172A5:188–201

- coring, 172A5:162–163
downhole measurements, 172A5:235–245
inorganic geochemistry, 172A5:217–229
lithostratigraphy, 172A5:164–178
mass accumulation rates rates, 172A5:201–207
operations, 172A5:161–164
organic geochemistry, 172A5:207–217
paleomagnetism, 172A5:184–188
physical properties, 172A5:229–235
sedimentation rates, 172A5:201–207
site description, 172A5:157–250
site geophysics, 172A5:245–247
- Sites 1063–1064
background and objectives, 172A6:252
biostratigraphy, 172A6:259–262
composite depths, 172A6:266–268
coring, 172A6:253
correlation, 172A6:266–268
downhole measurements, 172A6:294–304
inorganic geochemistry, 172A6:281–288
lithostratigraphy, 172A6:254–259
mass accumulation rates, 172A6:268–271
operations, 172A6:252–254
organic geochemistry, 172A6:271–281
paleomagnetism, 172A6:262–266
physical properties, 172A6:288–294
sedimentation rates, 172A6:268–271
site description, 172A6:251–308
site geophysics, 172A6:304–306
- Sites 1075–1077, lithostratigraphy, 175A18:534
Sites 1081–1084, lithostratigraphy, 175A18:535–536
Sites 1085–1087, lithostratigraphy, 175A18:536–538
Sites 1110–1113
biostratigraphy, 180A7:17–19
composite depths, 180A7:26
coring, 180A7:65–69
igneous and metamorphic petrology, 180A7:11–17
in situ temperature, 180A7:25–26
inorganic geochemistry, 180A7:21
microbiology, 180A7:22
organic geochemistry, 180A7:22
paleomagnetism, 180A7:19–21
physical properties, 180A7:22–25
site description, 180A7:1–89
- Sites 1232–1242
location, 202A1:73
site locations on sea-surface temperature, phosphate, and salinity, 202A1:76–78
stratigraphic column summary, 202A1:74
- Siwaliks Group (India)
mineral correlation to Bengal Fan, 116B6:70–72
See also Middle Siwaliks; Nagri–Dhok Pathan Formation transition
- Skaergaard intrusion (Greenland E)
anorthite vs. magnesium number, 118B3:49
crystallization, 118B3:49, 61; 4:90
cumulus phase changes, 118B3:49
diopside, 118B8:155, 168; 26:504
gabbros, 118B26:470–471; 179B2:52
hydrothermal clinopyroxene, 118B8:168
layer zone and marginal border series vs. upper border series, 118B4:81
liquid evolution, 118B4:82
melt porosity, 118B4:81
mineral composition, 118B2:33; 4:95
olivines, 118B3:48
oxygen fugacity and recrystallization, 118B4:91, 102
petrology, 176B10:26
strontium, 118B4:85
trondhjemite and Tinden granophyre, 118B4:79
upper zone melanogranophyres, 118B4:102
veins, 118B8:155, 175; 9:208
vertically oriented crack network, 118B26:505
vs. Galapagos spreading center, 118B4:100–101
Skaergaard Layered Series, crystallization and pyroxene composition, 118B4:91
Skiff Bank (Kerguelen Plateau)
basement, 183A1:22–26, 37; 183B1:12–13, 17
Oligocene–Holocene nannofossil biostratigraphy, 183B8:1–19
Oligocene–Miocene terrigenous and pelagic sediments, 183B7:1–31
Skinner Cove Sequence (Newfoundland W), ophiolites in fracture zone rocks, 118B25:431
SLW. *See* Subtropical Lower Water
Snaefelles eruption (Iceland), volcanic ash, 152B6:80–84
Snaefellsnes Peninsula, volcanism, 151B17:327
Snake Pit hydrothermal area (Mid-Atlantic Ridge)
bathymetry, 106/109A5:139–140; 106/109B13:164
black smokers, 106/109A5:140–141, 143, 146
bulk chemistry, 106/109B13:166–167
cross section, 106/109B13:165
crystal morphology, 106/109A5:152, 155
dark gray fragments, 106/109B13:166, 175–177
drilling, 153A1:5
fissures, 106/109A5:139–140, 143
friable unconsolidated material, 106/109B13:166, 175–176
geochemistry, 158B27:379–380
geologic maps, 106/109A5:142
hydrothermal fields, 106/109A5:138–140; 106/109B12:145–146; 30:315
isotopes, 106/109B30:315–318; 13:167–168
lithostratigraphy, 106/109A5:144–148
location, 106/109A5:138, 139; 106/109B12:146; 13:164
major elements, 106/109B12:148–149
mineralogy, 106/109A5:148–149, 152; 106/109B12:154–158, 160–162; 13:168–177
morphology, 106/109A5:144
petrography, 106/109A5:148
rare earths, 106/109B30:317–318
regional comparisons, 106/109B7:73, 76
samples, 106/109B12:146–147; 13:166
size, 106/109B12:151–154
sonar coverage, 106/109A5:141–143
sulfide texture, 106/109B12:151–154
trace elements, 106/109B12:149–151; 30:315–318
vents, 106/109A5:140
video coverage, 106/109A5:141–143
volcanic glass, 106/109B7:82

- whole-rock data, 106/109A5:148
 X-ray diffraction data, 106/109A5:149
 yellow fragments, 106/109B13:164–166, 175–177
 Snorri Drift (Iceland), sedimentation, 152B1:8, 15
 Snowcap hydrothermal field (Papua New Guinea)
 conceptual cross section, 193B1:61
 hydrothermal fields, 193A1:6–7; 193B1:6; 2:3–6
 Society Islands (Pacific Ocean S), formation and station-
 ary mantle plumes, 115B5:53
 Socotra margin (Arabian Sea), clay mineral assemblage,
 117B8:192
 Sofu Gan (Pacific Ocean W), submarine volcanoes,
 126B38:564
 Sofu Gan Tectonic Line, geology, 126B42:634
 Sohm Abyssal Plain (Atlantic Ocean N)
 Northwest Atlantic Mid-Ocean Channel (NAMOC),
 105B4:54
 paleoceanography, 172A1:9
 pore water, 172A7:311–313
 sedimentary structures, 172B7:1–37
 site description, 172A6:251–308
 underconsolidation of sediments, 105B41:793
See also Site 1063; Site 1064
 Solander Channel system (New Zealand E)
 currents, 181A1:7; 4:6; 181B1:9
 late Neogene sediment sources, 181B1:51–54
 Solander Trough, marine sedimentation, 181A1:8
 Solomon arc, magma production, 192B1:2
 Solomon Islands (Melanesia)
 structural elements, 130A1:8
See also Lower Alteration Zone; Malaita; New Britain-
 San Cristobal Trench
 Solomon microplate, volcanism, 193A1:3–5
 Solomon Sea
 geophysical surveys, 180A2:4–5
 Pliocene paleoclimatology, 180B11:1–15
 tectonics, 180B2:1–35
See also Kiriwina limestone; Trobriand arc
 Solomon Sea Basin, plate circuits, 130B43:700
 Solomon Sea plate, upper-plate paradox, 180B(synthe-
 sis):19
 Solomon Sea W. *See* Jaulu volcanic; Lelet limestone; Tro-
 briand Trench; Trobriand Trough
 Solomon Trench, mantle, 180B1:6
 Somali Basin
 seafloor spreading, 120B(2)50:920
 upwelling oxidation–reduction effects, 115B41:767
 Somali Basin N, formation, 117A5:55
 Somali Basin W
 magnetic anomalies, 117A5:6100
 seafloor spreading anomalies, 117A5:55
 Somalia, rainfall maxima, 117B15:277
 Somerset Island (Canada), stratigraphic unconformity,
 105A2:34
 SOPITA. *See* South Pacific Isotopic and Thermal Anomaly
 Sorbas Basin (Spain), Messinian, 161B43:543–551
 Sørstøl Glacier (Antarctica E)
 ice cover, 119B42:749
 outflow, 119B7:133
 Soudan Banks (Mascarene Plateau), underlying volcanic
 ridge, 115A1:5
 South Aegean volcanic arc, tectonics, 160A1:5–6
 South Africa, sediments, 175A16:489
 South Amboy fire clay (Atlantic coastal plain), photo-
 graph, 174AXS_A6:80
 South America
 climate, 155B8:169
 continental margin, 155B7:153–154, 156
 geodynamics, 159B5:46–47
 paleoclimatology, 154B22:343–345
 passive margins, 159B2:20
 plate tectonics, 181A1:3
 volcanism, 201B19:3
 South America equatorial, continental margin, 155A1:5–
 16
 South American–Antarctic deepwater flow gateway, pale-
 oceanography, 181A1:3
 South American–Antarctic margin, geology, 114A6:152
 South American/Antarctic plate junction. *See* Bullard
 Fracture Zone
 South American plate
 geology, 114A2:23; 3:30; 5:88; 12:798; 201B19:3
 plate boundary, 170A1:7
 South Anatolian Fault Zone, tectonics, 160B54:760–761
 South Aoba Basin
 geology, 134B2:21, 24, 27–29
 sedimentation, 134A1:16; 134B2:37
 tectonics, 134B2:27–31
 South Atlantic Central Water
 circulation, 114A10:550; 11:622
 lipids, 175B10:1–32
 ocean circulation, 175A1:18
 silica content, 108B14:219
 South Atlantic Current
 lipids, 175B10:1–32
 productivity, 175B18:3–4
 South Atlantic Gyre, productivity, 175B18:3–4
 South Atlantic Intermediate Water, lithology,
 159B43:587–588, 599
 South Australia. *See* Otway Basin (South Australia); Port
 Willunga Formation
 South Australian Basin, Kerguelen Plateau/Broken Ridge
 breakup, 120B(2)51:936–937
 South Balearic Basin
 biostratigraphy, 161B13:162–164; 15:201–204, 206–
 211, 218–220
 extensional basins, 161A1:6–12
 halite, 161A8:379
 paleogeography, 161B44:556–559
 sedimentation, 161B1:3–16
 sediments, 161B6:80
 tectonics, 161B44:568–569
 South Balearic margin, sea-surface temperature,
 161B39:489–503
 South Bismarck microplate, volcanism, 193A1:3–5
 South Canary Channel (Canary Islands), basins,
 157A2:13
 South Carolina
 deposition, 171B_A6:260
See also Blake Ridge
 South Chamorro Seamount (Mariana forearc)
 serpentine mud volcano, 195A1:2–14

- serpentinite mud, 195B1:5; 4:1–49
- South China Sea
 basin origins, 124B3:42–43
 carbonate compensation depth, 124A12:315;
 124B11:169
 geology, 124A3:38; 4:44
 global climate, 184A1:1–77
 green clay layers, 184B15:1–23
 hydrography, 124A7:102
 margin geological structure, 124B32:431
 opening, 124A11:197
 seafloor spreading, 124B24:339–340, 343
 sedimentation rates, 124A10:140
 turbidites, 124B32:443–444
See also Andaman Sea; Bashi Strait; Changjiang River;
 Great Asian Bank; Lingayen Gulf; Liyue Bank;
 Luzon arc; Mekong River; Nansha Terrain; Pearl
 River Mouth Basin; Red River; Reed Bank; Sahul
 Bank; Toba ash; Ulugan fault
- South Equatorial Countercurrent
 diatom associations, 108B10:154
 hydrography, 175B11:3
 sediments, 175B17:1–12
 upwelling, 175A1:15; 17:508
- South Equatorial Current
 carbonate crash, 206B4:3
 changes, 154B18:282–283
 effect on *Discoaster* abundance, 108B8:122, 129
 ocean circulation, 155B21:373; 159B40:549–551;
 41:558
 oceanography, 202A1:4–6
 paleodrift, 202B12:3–5
See also currents
- South Fiji Basin
 backarc spreading, 135B51:824
 crustal fabric, 135B55:882
 plate reconstructions, 130B43:705–706
 tectonics, 124B3:46
See also Minerva Basin
- South Georgia block, geology, 114A5:88; 6:194; 7:304;
 114B2:38
- South Georgia platform, geology, 114A2:23
- South Hawaiian seamount province, sources of basalts,
 136B9:116
- South Iberian paleomargin, terrains, 161B44:557
- South Island (New Zealand)
 geologic cross section, 181A1:43
 tectonics, 181A1:3
- South Island plate boundary, uplifts, 181B1:27
- South Kauai slide (Hawaiian Islands), glasses, 136B4:61
- South Korea. *See* Ulleung Island
- South Loyalty Basin (Australian plate), backarc basins,
 135B55:882
- South Orkney microcontinent
 paleoenvironment cooling, 113B5:60–61, 64
See also Eotvos Basin
- South Orkney microcontinent (Site 695)
 age-depth plots, 113B52:931
 bathymetry, 113A10:530
 clay mineralogy, 113A10:537–539
 dissolved organic carbon, 113B13:173–174
- heat flow, 113B2:17–20, 25
- hydrogen gases, 113A10:563–564; 113B3:35
- ice-rafted dropstones, 113A10:539–540
- kerogens, 113A10:563–565; 113B15:192–194
- lithostratigraphy, 113A10:531, 533–538, 568;
 113B7:93
- location, 113A10:528, 530
- magnetic properties, 113A10:554–557
- oxygen isotopes, 113B10:139, 142
- paleoenvironment, 113A10:538–539
- physical properties, 113A10:541–548, 550, 564–568;
 113B2:21–23, 26; 3:35; 14:180; 17:214, 218–
 219, 222
- pore water chemistry, 113A10:560–562; 113B10:137,
 139, 142; 13:175; 14:179–186
- propane vs. depth, 113A10:563–564
- Rock-Eval pyrolysis data, 113A10:565
- sedimentation rates, 113A10:555, 557–558, 560, 569
- seismic profiles, 113A10:529, 542–546, 549–550;
 113B2:17, 22–23; 3:32–35
- strontium isotopes, 113B11:150, 152–153, 155–156
- volcanic ash, 113A10:533, 535, 537 561–562;
 113B10:139, 142
- South Orkney microcontinent (Site 696)
 age vs. depth, 113B52:933
- bathymetry, 113A11:611; 113B3:28
- clay mineralogy, 113A11:620–623; 113B5:61
- dissolved organic carbon, 113B13:173–174
- geomagnetic polarity timescale, 113A11:646–649
- heat flow, 113B2:20–21, 25
- hiatuses, 113A11:659
- hydrocarbon gases, 113A11:650, 652–653
- ice-rafted dropstones, 113A11:622–624
- kerogen, 113A11:655; 113B15:192–194
- lithostratigraphy, 113A11:614–618, 620; 113B7:94
- location, 113A11:609
- magnetic properties, 113A11:641–642, 644–645
- oxygen isotopes, 113B10:139, 143
- paleoenvironment, 113A11:622, 655–656, 658–659
- physical properties, 113A11:624–631, 657; 113B3:30,
 32; 7:94; 17:214, 220, 222
- pore water chemistry, 113A11:643, 646–651, 657;
 113B10:137, 139, 143; 17:219
- Rock-Eval pyrolysis data, 113A11:650, 654–655
- sedimentation rates, 113A11:642–643, 648
- seismic stratigraphy, 113A11:628–631; 113B3:27–28,
 32
- steroids, 113B16:201, 205
- strontium isotopes, 113B11:151–153, 155–156
- volcanic ash composition, 113A11:620
- South Pacific Convergence Zone, climate models,
 199A3:5
- South Pacific Intermediate Water, oceanography,
 202B1:27
- South Pacific isotopic and thermal anomaly, origin,
 129B20:394–395
- South Portuguese Zone, Variscan basement, 149B1:7–8
- South Sandwich Basin (Atlantic Ocean S), geology,
 114A8:365
- South Sandwich Islands
 geology, 114A8:375; 114B33:623; 40:733, 740

- island-arc tholeiitic series, 119B17:328
- volcanic ash, 120B(1)11:157
- South Sandwich spreading center, tectonics, 114B2:32
- South Sandwich subduction zone, tectonics, 114A5:88
- South Sandwich Trench, tectonics, 114A6:154;
114B2:34–35, 38
- South Shetland Islands (Antarctica)
 - Eocene glacial sediment, 119A8:340
 - geology, 114B40:740, 742
 - glaciation, 178A2:9
 - smectite, 178B8:8–9
 - See also* Deception Island; Polonez Cove Formation
- South Shetland margin, currents, 178B8:4
- South Shetland Trench
 - geology, 178B8:5
 - tectonics, 178A2:8
- South Subtropical Gyre, ocean circulation, 155B21:373
- South Sumisu Basin (Izu-Ogasawara arc), seismic surveys,
132A3:50
- South Tasman Rise (Southern Ocean)
 - bathymetry, 189A1:7–8
 - collapse, 189A1:7
 - continental blocks, 189A1:49–50
 - Cretaceous–Paleogene movements, 189A1:75
 - dinocysts vs. depth, 189B4:25
 - glacial sediments, 120B(2)56:1002
 - lithofacies, 189B1:30–31
 - lithostratigraphy summary, 189A1:32–33
 - Miocene calcareous microfossils, 189B13:1–12
 - Paleogene, 189B1:3
 - plate tectonics, 189A1:8–9
 - site description, 189A4:1–64; 5:1–167; 6:1–176
 - tectonics, 189A1:6, 33
 - trajectory with respect to Antarctica, 189A1:69
 - ventilation, 189A6:19–21
- South Tasman saddle, deposition, 189A1:7–8
- South Troodos transform fault zone, basement,
160B54:734, 745, 769
- Southeast Greenland transect
 - seismic reflectors, 152A1:9–12
 - See also* East Greenland margin; EG63 transect; Greenland margin
- Southeast Indian Ridge
 - Australian Antarctic Discordance, 187B1:1–40
 - Chron 26 reconstruction, 121B38:768
 - description, 120B(2)51:933–935
 - magnetic properties, 120B(2)51:932
 - maps, 187A1:19; 187B1:25; 2:16
 - postrift oceanic crust vs. prerift Broken Ridge crust,
121B34:690
 - spreading, 120B(2)47:892
 - subsidence history, 121B34:691
 - transient offsets, 120B(2)51:934
- Southern Alboran Basin
 - biostratigraphy, 161B13:168–169
 - marine sediments, 161B7:86
 - sedimentation, 161B3:50
 - synsedimentary folds, 161A1:15–16
 - tectonics, 161A9:399; 161B26:347; 44:570
- Southern Andean orogeny, tectonics, 114A5:88
- Southern Angola Basin. *See* Angola Basin S
- Southern Cape Basin. *See* Cape Basin S
- Southern Component Deep Water
 - circulation, 154B21:324, 328; 23:354–356; 30:460
 - currents, 181B1:11
 - thermohaline circulation, 177B(synthesis):14–16
- Southern Component Intermediate Water, currents,
181B1:11
- Southern Component Water, currents, 181B1:11
- Southern depth transect, sedimentation, 167A(1)1:11
- Southern Gateway
 - paleoclimatology, 162A1:14–15
 - structure, plate tectonics, 162A1:7–8
- Southern Hemisphere
 - biostratigraphy, 120B(1)19:281; 23:393–394
 - paleogeography, 129B23:439
 - plate reconstruction, 113B6:85
 - Pliocene climatic cooling, 113B45:803
 - surface water masses, 119B48:872
- Southern high (Shatsky Rise)
 - seismic lines, 198A11:14, 20
 - seismic reflection, 198A11:8
 - tectonics, 198A1:6–8
- Southern Indian Ocean. *See* Indian Ocean S
- Southern Kerguelen Plateau
 - biostratigraphy, 120B(2)62:1088–1089
 - crustal structure, 120B(1)1:7
 - evolution, 120A6:146, 226–227; 120B(1)1:12;
(2)48:895
 - glauconitic sediments, 120B(1)9:113
 - location, 120B(1)17:255
 - seismic reflection profiling, 120B(1)1:17; (2)48:895
 - sinking, 120B(1)9:129
 - structure, 120B(1)1:12
 - taxa, 120B(2)33:595
- Southern Marion platform, lithology, 194A1:1–88
- Southern Ocean
 - Antarctic glaciation, 113B53:938
 - biostratigraphy, 114B27:481–482; 31:593; 45:806;
120B(1)21:361; (2)38:684; 40:758; 189B5:1–98
 - bottom water circulation, 120B(2)36:649
 - circulation, 114B36:672
 - climatic evolution, 113B48:849
 - cooling, 120B(1)12:174
 - coring summary, 177A1:54
 - Cretaceous/Tertiary boundary, 189A1:66
 - deepwater sources, 114B27:495–496
 - disconformities, 120B(2)53:958
 - ecological change, 120B(2)61:1075
 - Eocene cooling trend, 119B10:201
 - evolution, 189A1:57–60
 - geology, 189A1:1–98
 - hydrography, 177A1:6–7
 - ice cover and climatic fluctuations, 119B12:230
 - ice rafting, 113B53:954
 - kaolinite of continental origin, 119B10:198
 - magnetobiochronology, 119B46:813–817; 178B36:1–40
 - magnetostratigraphy and diatoms, 113B45:806–807
 - maps, 113B45:805
 - Neogene paleoclimatology, 189B1:18

- oxygen isotopes, 119B10:194–195; 120B(2)44:840, 859; 177B(synthesis):43
 paleoceanography, 177A1:1–67; 177B(synthesis):1–55; 182A2:20–21
 palynology, 189B4:1–42
 plate kinematic history, 120B(2)50:917
 Pliocene sea-ice cover, 113B45:803–804
 productivity, 114B31:591–592
 sedimentation patterns, 113B45:803–804
 sediments, 178A1:2; 178B34:7–8
 surface water masses, 120B(1)1:12; 120B(2)26:472
 taxa, 120B(2)29:528
 tectonics, 177A1:5–6
 water masses, 114B33:611–612, 630; 36:672
See also Agulhas Basin; Georgia Basin; McDonald Island; Polarstern core PS2489-2; South Tasman Rise
- Southern Ocean diatom zonation, biostratigraphy, 188B6:4–7
- Southern Oscillation
 Cagayan Ridge, 124A12:301
 circulation, 124B29:379
- Southern transect (Marion Plateau), carbonate platforms, 194A1:51–52
- Southern volcanic zone (Andes N–Central), explosive volcanism, 201B19:21
- Southland Current, lithologic units, 181A3:9; 181B1:10
- Southwest Indian Ridge
 basalt geochemistry on transform vs. ridge axis, 118B26:472
 change in spreading direction, 121B39:816
 compressional wave velocity, 147B29:490
 core-log correlation, 179B3:1–29
 drilling, 179A1:1–26; 4:1–14, 17–29
 fluid flow, 176B4:1–56
 free-air gravity maps, 179A4:73
 gabbros, 118B26:472; 176B(synthesis):1–69
 geology, 114A3:27; 11:624; 118B21:361; 176A1:1–70; 176B(narrative):9–12
 lithology, 118B21:377; 176B6:1–82
 lower crust, 147A1:5
 normal mid-ocean-ridge basalt, 124B20:295
 rift valleys, 118B26:512
 silicates, 176B10:1–60
 spreading rates, 118B21:361
 sulfides, 176B7:1–29
 synthesis, 179B(synthesis):1–125
 tectonic setting, 118B21:362; 179A4:6–8
 uplifts, 118B26:441
 veins, 176B9:1–66
See also DuToit Fracture Zone; Rift Valley
- Southwest Pacific Abyssal Plain, geologic cross section, 181A1:43
- Sovanco Fracture Zone (Juan de Fuca Ridge), spreading centers, 169A1:7
- Soya Strait (Japan Sea)
 depth, 127/128B(1)20:342; 26:440
 geology, 127/128B(1)25:423
 Japan Sea, 127/128B(1)5:70; 21:362–363, 365
 sill depth, 127/128B(1)27:457
- Spain
 carbon isotopes, 183B4:39
 carbonate sand, 103B30:510–511
 Cretaceous, 103A9:240
 Miocene, 161A1:6–8
 siliciclastic sand thickness, 103B30:510
See also Barcena Mayor Formation; Flysch complex; Flysch Trough units; Jubrique group; Los Castaños; Meseta; Montemayor tectonic slices; Ronda Massif; Serrania de Ronda; Sierra Cabrera; Sierra de Filabres; Sorbas Basin
- Spain NW. *See* Cabo Ortegal
- Spain S
 Messinian, 161B43:543–551
 paleogeography, 161B44:556–559
 pollen source, 161B36:462
- Spain SE. *See* Agost; Cabo de Gata
- Spanish marginal trough, creation, 103A5:84
- Spfa-1 tephra (Japan Trench), upper Quaternary tephrrostratigraphy, 186B10:4
- Spitsbergen
 Oligocene–Miocene vegetation, 151B15:289–296
See also Svalbard; West Spitsbergen Current
- Spitsbergen Fracture Zone
 mid-ocean-ridge spreading axis, 151A1:6–9
 physiography, 151A1:7; 151B1:6–9
- Spitsbergen transform, mid-ocean ridge spreading axis, 151A1:6–9
- Squankum member (New Jersey coastal plain), Eocene, 150X_B16:210
- Sri Lanka
 Jurassic diabase magnetic properties, 119B45:806
 wavy-laminated gypsum, 107B13:189
- St. Helena-Cameroon, hotspot activity, 115B1:5
- St. Lucia Ridge (Lesser Antilles island arc)
 location, 110B4:36
 sediment thickness, 110B4:36
 subduction, 110B4:36
- St. Marys Formation (Atlantic coastal plain)
 biostratigraphy, 174AXS_A3:36, 40
 lithostratigraphy, 174AXS_A3:23–25, 61
 strontium isotope stratigraphy, 174AXS_A3:46
- St. Paul Fracture Zone (Atlantic Ocean equatorial)
 basalt isotopic ratios, 121B32:639
 tectonic setting, 118A4:91
 thermal diagenesis, 159B7:53
- St. Paul Island (Indian Ocean)
 isotopic ratios, 121B31:599–600
 lava formation, 121B31:360–601
 lava isotopic ratios, 121A15:526
 lead isotopes in basalts, 121B30:569
 Ninetyeast Ridge, 121B31:360–601
 paleolatitude-present day latitude correlation, 121B39:802, 811
 tholeiitic basalt, 121A15:526
- St. Paul's rocks (Atlantic Ocean equatorial)
 foliated peridotite orientation, 118B21:396; 26:441
 peridotites, 103B14:229–230
- St. Peter Fracture Zone (Atlantic Ocean equatorial), tectonic setting, 118A6:91

- St. Vincent Basin (Great Australian Bight), biostratigraphic datums, 182B3:17; 4:10
- St. Vincent Canyon (Iberia margin W), continental margin, 149B1:4, 6–7
- “Stealth”/Phoenix plate boundary, magnetic lineations, 129B33:621
- “Stealth” microplate. *See* “Stealth” plate
- “Stealth” plate
- apparent polar wander paths, 129B33:621
 - Hawaiian lineation skewness, 129B33:621
 - Japanese lineation skewness, 129B33:621
 - Kimmeridgian–Valanginian interval, 129B32:574
 - magnetic lineations, 129B26:477
 - paleolatitude history, 129B33:618
- Steens Mountain polarity transition (Oregon), virtual geomagnetic pole migration, 126B23:346
- STC. *See* Subtropical Convergence
- STEM. *See* Sirius till equivalent, marine
- Stevens klint (Denmark)
- boundary clay origin, 119B47:854
 - Cretaceous/Tertiary boundary, 121B19:415, 419
- Stewart arch (Ontong Java Plateau), principal results, 192A1:21–24
- Stewart Basin, volcanic oceanic plateaus, 192A1:4–6
- Stewart Island (New Zealand), lithologic units, 181A1:15–18
- Stillwater complex (Wyoming)
- chlorine-rich apatite, 118B8:167
 - incompatible element-rich mineral association, 118B8:166–167
 - magmatic biotite-phlogopite association, 118B8:167
 - pargasite, 118B8:170
- Stone Harbor Formation (Atlantic coastal plain)
- lithofacies, 174AXS_A7:40
 - lithologic units, 174AXS_A7:13–15
 - New Jersey coastal plain, 174AXS_A7:35–37
 - photograph, 174AXS_A7:40, 42
 - stratigraphy summary, 174AXS_A7:41–42, 65–66
- Storfjorden Trough (Svalbard margin W), sediments, 162B6:93
- Strait of Georgia
- oceanography, 169S_A2:15–16
 - See also* Capilano sediments
- Straight of Juan de Fuca, dispersal regional patterns, 168B5:61–62
- Strait of Sicily
- paleoceanography, 160B4:38
 - tectonics, 160A4:56
 - See also* Sicily
- Straits of Andros, platforms, 166A1:6
- Straits of Florida
- bathymetry, 101B26:399
 - biostratigraphy, 166A2:19; 166B12:129–136
 - bottom currents, 101B30:480
 - calcium gradients as stratigraphic tool, 101B24:379
 - carbonate content, 101A5:66, 68; 101B12:179–191; 20:281–282, 299
 - carbonate platform tops, 101B29:465
 - clay minerals, 101B11:173
 - Cretaceous–Holocene water depths, 101B27:428
 - cross-sectional plan, 101B27:436
 - lithologic units, 101B12:183–186
 - mineralogy, 101B24:370
 - multichannel seismic lines, 101A5:54, 75; 6:115
 - paleomagnetism, 101A5:67–71
 - periplatform sand facies, 101B12:182
 - pore water chemistry, 101B24:370–371
 - Rock-Eval pyrolysis, 101A5:66, 69
 - sediment isopachs, 101B26:405
 - sediment thicknesses, 101B26:415
 - sedimentology summary, 101A5:57–61
 - seismic sequences, 101B26:391, 413–414
 - seismic stratigraphy, 101B26:399–400, 408–409
 - seismic reflection profiling, 101A5:54–56
 - sonobuoy data, 101B26:395
 - subsidence, 101B28:443, 445, 450
 - summary, 101B29:457, 460
 - well-logging, 101B28:439–440, 442
- “Strangelove Ocean”
- Antarctic evidence, 113B53:944
 - theory, 113B47:844–845
- Stromboli Volcano, morphology, 107A2:9
- Stuart City trend (Texas S), deposition, 143B30:477, 480–482
- Stumpata quartzarenite (Himalayas), deposition and correlation of Eocene unconformity, 121B39:819
- Subantarctic Front
- circulation, 114B25:468
 - currents, 181A1:6, 9
 - gateway history, 189B1:17
 - hydrography, 177A1:6–7; 189A1:10–11
 - Kerguelen Plateau, 120B(2)36:650; 46:867
 - oxygen isotopes, 177B(synthesis):44
 - paleoceanography, 181B1:6–7, 51
 - planktonic foraminifers, 189A4:11
- Subantarctic Intermediate Water, productivity, 144B44:761
- Subantarctic Mode Water, 138B34:709
- Subantarctic region
- hydrography, 177A1:6–7
 - oceanography, 202B1:27
 - Oligocene, 130B9:120
 - radiolarians, 145B7:134
 - transfer functions, 177B(synthesis):10–11
- Subantarctic Surface Water
- circulation, 114A11:622; 114B9:193; 10:201; 33:609–610; 120B(1)13:180
 - Subtropical Front, 181B1:37–38
- Subarctic region, foraminifers, 145B9:157–170
- Subarctic Water, isotherms, 146B(2)21:290
- subsurface equatorial undercurrent, ocean circulation, 138B34:695–696
- Subtropical Central Water
- mineral magnetic variations, 133B49:740
 - paleoceanography, 133B11:157–161
- Subtropical Convergence (STC) Zone
- biogeographic changes, 119B48:874
 - biostratigraphy, 175B7:8; 181A8:16; 189A4:13; 7:31
 - circulation, 114A10:550, 582; 11:622, 687; 114B10:201; 24:437–438; 25:460, 465
 - currents, 181A1:6, 9; 9:1–92; 181B1:10
 - gateway history, 189B1:17

- hydrography, 189A1:10–11
paleoceanography, 120B(1)13:180
paleoenvironment, 181A7:25–26
reef mounds, 182A2:4; 182B1:10
Site 703, 114A10:582
upwelling, 175A1:18–19
- Subtropical Front
clay mineralogy, 189A7:19
hydrography, 189A1:10–11
oxygen isotopes, 177B(synthesis):44
paleoceanography, 177B(synthesis):8
planktonic foraminifers, 189A4:11
position changes, 181B1:37–38
temperature, 177B14:8
- Subtropical Lower Water
circulation, 124A7:102
water masses, 133B14:183, 185–186; 19:263–264
- Suckling-Dayman massif (Papua New Guinea)
geophysical surveys, 180A2:4–5
metamorphic core complexes, 180B(synthesis):4
- Sudanian region
Eritreo-Arabian province vegetation, 117B15:277–278
Nubo-Sindian province, 117B15:277
- Sugata Formation (Japan)
geology, 128A4:129
lanthanum content, 121B32:643
- Suiko Seamount (Hawaiian-Emperor seamounts)
paleolatitude, 197A1:5–7
primary oxide composition, 121B28:539
sandstone, 121B31:633
volcanism, 145B22:340–343
- Sulawesi arc (Indonesia)
geology, 124A3:40; 124B4:59
magmatism, 124B23:329
potassium/argon age, 124B23:321, 335
volcanic rocks, 124B35:477
volcanism, 124B23:336–337; 30:406; 35:481
- Sulawesi Collision Zone, geology, 124B4:52
- Sulawesi Trench. *See* Palu fault (Sulawesi Trench)
- Sulawesi Trough, geology, 124B30:399
- Sulu archipelago (Philippine Islands SW)
tilted blocks, 124A10:179
volcanism, 124B30:406
- Sulu Basin. *See* Negros Trench
- Sulu plate, subduction, 124B30:406
- Sulu Ridge, 124A3:38–39
- Sulu Sea
acoustic basement, 124A11:197
anomalies, 124A4:44–45; 11:199; 124B24:339–343
basement, 124A3:37; 11:262–268; 124B17:235;
19:253–255; 21:299–300
bathymetry, 124A4:44–48; 8:106; 124B5:66, 69–70;
28:376
carbonate compensation depth, 124B28:376–377
carbonates, 124A6:96–97; 11:235–239; 124B28:375–
378
circulation patterns, 124A7:101–102; 11:198
clay mineralogy, 124A11:217–218
crustal age, 124B24:339–343
depositional environment, 124A3:37; 11:220–222
downhole measurements, 124A11:274, 276
geologic evolution, 124B21:297
geological setting, 124A3:35–41
geological structure, 124B19:252–253
geophysics, 124A5:87–88; 124B5:65–73
geothermal data, 124A5:89–90
graded beds, 124A11:214–216
gravity surveys, 124B5:71
heat flow, 124A8:105; 124B5:70–71
hydrocarbon gases, 124A8:105
hydrofractures, 124A10:222–223
hydrography, 124A7:101–104, 105; 124B28:375, 381–
382
igneous rocks, 124B19:256–259
inorganic geochemistry, 124A6:93–94; 11:235–241
lithostratigraphy, 124A11:199; 12:315; 124B1:5;
9:131; 10:138, 140
location, 124A11:197–198; 124B9:122; 14:204; 21:298
magmatism, 124B23:327
magnetic properties, 124A5:88; 11:226–233, 279;
124B2:11–28; 5:68–70; 20:279; 38:511–515
major and minor elements, 124B29:384–385; 41:531–
539
morphology, 124A8:105
oceanic crust, 124B5:70–71; 6:76–77, 79–80; 24:342–
343
organic geochemistry, 124A9:114–115; 11:241–247;
124B29:384–385
organic matter, 124B15:220–222
paleolatitude, 124A11:230
physical properties, 124A8:108–110; 11:248–257;
124B5:72–73; 6:81; 7:92–93; 37:507–510
pore water chemistry, 124A11:238–241
regional studies, 124A11:198–199
sedimentary units, 124A11:199–214, 269–271, 278–
279
sedimentation rates, 124A8:107–111; 11:232–235
seismic stratigraphy, 124A4:44–45, 52–62; 5:88, 90–
92; 11:197, 199, 276–279
sill depth, 124B29:387–389
stress measurements, 124A11:274–276
tectonics, 124B1:5–7; 30:400
time series analysis, 124B29:383–385
volcanic rocks, 124A6:93–97
volcaniclastics, 124A11:218–220
well-logging, 124A11:268–274, 282–297
See also Crocker Formation; Dangerous grounds; Dan-
gerous grounds-Miri platform; Sebahat Forma-
tion; Zamboanga arc
- Sulu Sea Deep Water, circulation, 124A12:315
- Sulu Trench
source of hydrocarbon gases, 124B16:230
subduction, 124B1:7; 4:56–57
- Sulu Trough, geology, 124B30:399
- Sulu-Zamboanga-Negros volcanic arc, initiation,
124B9:129
- Sumatra Trench (Indonesia)
diffuse plate boundary, 116B23:281
tectonic events and grabens, 116B2:267
“Swatch of No Ground” Bengal Fan sediment source,
116A4:46

Sumisu Basin N (Izu-Bonin arc), seismic reflection profiling, 126B38:572

Sumisu Basin S
isopach maps, 126B38:562–563, 570
seismic reflection profiling, 126B38:568

Sumisu Caldera S
location, 126B38:557
sediment source, 126B42:646

Sumisu Jima, volcanoes, 126B27:417; 38:564

Sumisu Jima Canyon, seismic reflection profiling, 126A9:317

Sumisu rift
amino acids, 126B35:532–538
arc margins, 126B38:570
arc spreading, 126B7:113
backarc basins, 125B8:138; 126B42:642; 132A1:11
backarc volcanism, 126B26:394
basement, 126A1:9; 126B26:392–394
bathymetry, 126A6:100; 7:131; 11:416; 126B1:5; 19:287; 33:506; 38:558, 573; 42:643; 132A3:49–50
benthic foraminifers, 126B19:288–290
explosively erupted magmas, 126B26:387
fault pattern, 126B38:564
geological setting, 126B12:185; 35:532
hanging-wall collapse, 126B38:566; 42:644
horst blocks, 126A1:9
hydrothermal alteration, 126B32:497
hydrothermal circulation, 126B42:642–644
initiation and development, 126B1:3
isostatic rebound, 126B38:566–567; 42:644
lead-lead plots of arc volcanic rocks, 127/128B(2)49:808
magmas, 126B26:394–395
maps, 132A3:47–48
mineral chemistry, 126B12:187–189
paleobathymetry, 126B19:288–290, 296
paleoenvironment, 126B19:288–290, 296
petrography, 126B12:185–186
prehnite-pumpellyite metamorphism, 126B12:189–192
protoremnant arc, 126B38:559
pumice, 126B1:9–11, 15; 26:395–398
radiolarians, 126B21:321–330
ridge barriers, 126B1:10–11
rift-axis volcanism, 126A1:9
rift basins, 126B38:559, 562–563, 569
rift flank uplifts, 126B42:642, 644, 646
sediment depocenters, 126B38:557, 563
sediment source, 126B38:569–570
sedimentary structures, 126B38:563–564
sedimentary succession, 126A11:415
sedimentation, 126B38:563, 569–570; 42:644, 646
seismic reflection profiling, 126A4:52, 57–60; 6:102, 134; 126B38:560–561; 132A3:49
structural evolution, 126B38:557, 564, 566, 568–571; 42:642
subsidence, 126B14:227–228; 38:559, 564; 42:646
tectonic setting, 126B28:557
tephra, 126B3:69, 72–73
two-stage development, 126B38:566

unconformity age, 126B42:644, 646
vertical motion history, 126B42:646
volcanic peaks, 132A3:51
volcanic rocks, 126B32:497
volcaniclastic sand, 126B9:139–140
volcanism, 126B26:388–393; 42:646

Sumisu rift basalt (SRB)
geochemistry, 126B26:396
trace elements, 126B26:387, 390–391

Sumisu rift rhyolites (SRR), petrology, 126B26:392–393

Sunda arc (Indonesia)
eruptions, 121B14:273
sediment contamination of mantle source, 127/128B(2)49:805
volcanic rocks, 124B35:477

Sunda-Banda arc, Pliocene collision, 123B7:151, 158

Sunda-Java Trench. *See* Roo Rise

Sunda shelf
continental lithosphere, 123B37:681
paleoceanography, 184A1:8–10

Sunda Trench
bending lithosphere, 121B35:705
crustal fluxes, 123B8:167

Surat (Western Australia), benthic foraminifers, 123B14:283

T

Tablas Island (Philippines)
magmatism, 124B23:327–328
volcanism, 124B23:329, 336–337

Table Nunatak (Antarctica), forests, 120B(1)18:276

Tafahi (Tonga)
basalts, 135B28:509
geochemistry, 135B24:392
lava, 135B29:528

Tafwutmuto group (Maewo), Cenozoic, 134B2:23–24

TAG. *See* Site 957; Trans-Atlantic Geotraverse

TAG-1 area, 158A7:65–140
altered basalt clasts, 158B19:264–265
fluid geochemistry, 158A7:123–124, 126–127
geochemical section, 158B27:365–374
hydrothermal fields, 158A1:9
major and trace elements, 158B4:51–56
paleomagnetism, 158A7:120–123
physical properties, 158A7:114–120
rare earths, 158B12:145–150, 153, 157–158
site description, 158A7:65–140
stratigraphy, 158A7:67–68
sulfide, 158A7:68–114
sulfur isotopes, 158B5:76
See also Site 957

TAG-2 area, 158A8:141–169
altered basalt clasts, 158B19:265
fluid geochemistry, 158A8:168–169
geochemical section, 158B27:366, 370–375
hydrothermal alteration, 158A8:160–163
hydrothermal fields, 158A1:9–10
igneous petrology and geochemistry, 158A8:163
major and trace elements, 158B4:52, 57–59
paleomagnetism, 158A8:166–168

- physical properties, 158A8:163–166
- rare earths, 158B12:145–150, 153–154, 158
- site description, 158A8:141–169
- stratigraphy, 158A8:142–144
- sulfides, 158A8:144–160
- sulfur isotopes, 158B5:76–77
- See also* Site 957
- TAG-3 area, 158A9:171–174
 - fluid geochemistry, 158A9:173–174
 - geochemical section, 158B27:366
 - hydrothermal fields, 158A1:10
 - physical properties, 158A9:172–173
 - site description, 158A9:171–174
 - sulfides, 158A9:171–172
 - See also* Site 957
- TAG-4 area, 158A10:175–207
 - altered basalt clasts, 158B19:265–266
 - geochemical section, 158B27:366, 370–376
 - hydrothermal alteration, 158A10:193–199
 - hydrothermal fields, 158A1:10
 - igneous petrology, 158A10:199–200
 - major and trace elements, 158B4:52, 59–60
 - paleomagnetism, 158A10:201–203
 - physical properties, 158A10:200–201
 - site description, 158A10:175–207
 - stratigraphy, 158A10:177–178
 - sulfides, 158A10:178–193
 - sulfur isotopes, 158B5:77
 - See also* Site 957
- TAG-5 area, 158A11:209–223
 - geochemical section, 158B27:366, 370–374, 376
 - hydrothermal alteration, 158A11:219–220
 - hydrothermal fields, 158A1:10
 - major and trace elements, 158B4:52, 61–62
 - paleomagnetism, 158A11:221–223
 - physical properties, 158A11:220–221
 - rare earths, 158B12:145–150, 154
 - site description, 158A11:209–223
 - stratigraphy, 158A11:210–212
 - sulfides, 158A11:212–219
 - sulfur isotopes, 158B5:77
 - See also* Site 957
- Tagula Island (Papua New Guinea), 180A1:33
- Tagus Abyssal Plain (Newfoundland-Iberia rift)
 - bathymetry, 149B1:6
 - continental margin, 149B1:4; 173A1:8–12
 - deformation, 173A1:11–12
 - rift systems, 210A1:5–6
 - seafloor spreading, 149B1:17–18
 - transition, 149A1:7
- Tagus fault
 - maps, 149B1:5
 - plate tectonics, 149B1:4
- Tahiti
 - radiometric ages, 144B53:940
 - tectonics, 144B31:543
 - volcanism, 121B43:38; 144B33:570
- Taitao archipelago (Chile S), glaciation, 141A6:85–86
- Taitao Fracture Zone
 - crust, 141B28:356–357
 - heat flow, 141B19:253–258
 - ophiolite, 141A1:6
 - sedimentation, 141B31:393–395
 - subducting ridges, 141A2:17–18, 20
 - tectonics, 141A9:337; 141B1:3; 3:48; 5:75; 31:380; 35:426
- Taitao ophiolite
 - deformation, 141A3:25–26
 - petrology, 141B28:349–360
- Taitao Peninsula
 - collisions, 141B13:185
 - sedimentation, 141B10:138, 141
- Taitao Ridge
 - geochemistry, 141B27:341, 345–346
 - geochronology, 141B35:421–426
 - geology, 141A3:24; 9:335–337
 - ophiolites, 141A1:6
 - petrology, 141B28:349–360
 - petromagnetics, 141B4:51–57
 - profiles, 141A9:308
 - sedimentation, 141B31:389–390
 - sediments, 141B7:100–101
 - site description, 141A9:301–341
 - subducting ridges, 141A2:17–18, 20
 - tectonics, 141B3:29–31; 5:75; 27:345–346; 31:380
 - volcaniclastics, 141B12:172
 - volcanic rocks, 141B27:331–348
- Taiwan
 - collisions, 124B34:464
 - tectonics, 184A1:4
 - See also* Lan-Yang River
- Takachiho orogeny (Japan), mechanism, 126B24:364
- Takena Formation (Tibet)
 - Albian–Cenomanian, 121B39:816
 - Tertiary paleoposition, 121B39:816
- Takli Formation (Nagpur), 121B39:818
- Takuyo Bank
 - basement, 128A5:248–249
 - bathymetry, 128A5:245–246
 - crustal structure, 128A5:249
- Takuyo-Daisan Guyot (Pacific Ocean W), 144A11:413–449
 - algae, 144B11:221–230
 - biostratigraphy, 144B1:5–9; 8:163–165; 10:199–219
 - bulk sediment composition and magnetic susceptibility, 144B55:973–984
 - carbonate platform geochemistry, 144B48:846–869
 - demagnetization of volcanics, 144B34:593
 - depositional history, 144B18:361–380
 - geochemistry, 144B31:539–541
 - guyots, 144B52:926–927, 929; 53:942–945
 - lavas, 144B30:520, 522–523; 33:570
 - limestone, 143B30:475
 - magnetic structures, 144B37:634–635
 - radiometric ages, 144B32:549, 552–553
 - sedimentation, 144B42:702–703
 - site description, 144A11:413–449
 - stable isotopes, 144B48:862
 - stratigraphic synthesis, 144B49:883–884
 - transgressive phase, 144B51:899
- Tanna Island (Vanuatu), lava, 134B20:398

- Tanner Basin (California Borderlands)
 composite section, 167A(1)8:177–179
 deep water, 167A(1)8:180
 magnetostratigraphy, 167B28:311–318
 paleoceanography, 167B7:129–140; 9:145–150
 rare earths, 167B19:235–238
- Tanzawa Massif (Shikoku Basin), accretion, 190A1:3
- Tanzawa Mountains (Japan), basalts, 111B6:72, 75
- Tarfaya Basin (Demerara Rise), 207B2:3–17
- Tartar Strait (Japan Sea)
 depth, 127/128B(1)20:342
 Japan Sea, 127/128B(1)5:69–70; 22:365
 sea ice, 127/128B(1)10:167
 sill depth, 127/128B(1)27:457
- Tasman Basin
 geology, 124B3:46
 plate motion, 130B25:429; 43:700
- Tasman fold belt, 121A13:491
- Tasman Fracture Zone
 clay mineralogy, 189A5:18
 deposition, 189A1:8
 tectonics, 189B1:7
- Tasman Sea
 clay volcanic alteration, 113B5:53
 end of seafloor spreading, 121B39:816
 Oligocene hiatuses, 119B48:874
 opening, 135B55:880
 strontium isotopes, 117B27:462
 tectonics, 194A1:4–5
See also Cato Trough; Challenger Plateau; Lord Howe Rise
- Tasmania
 geology, 189A1:1–89
 tectonics, 189A1:46–49
See also Agulhas Current retroflexion; Bass Strait; South Tasman Rise
- Tasmania margin W
 lithofacies, 189B1:30–31
 site description, 189A3:1–171
- Tasmanian-Antarctic region, sedimentation, 189B1:4
- Tasmanian-Antarctic shear zone, 189A1:45–49; 189B1:7
- Tasmanian Gateway
 bulk and clay mineral assemblages, 189B11:1–34
 Cenozoic, 181B1:11
 Cretaceous–Cenozoic, 189B10:1–57
 Cretaceous–Holocene, 189B1:1–37
 deepening, 189B3:12; 4:16
 deposition, 189A6:19–21
 evolution, 189A1:49–50
 nannofossils, 189B6:1–26; 7:1–39; 8:1–14
 opening, 181B1:40–41; 189A1:4–5, 12, 53–55
 paleoceanography, 177B(synthesis):19–23
 tectonics, 189A1:48
 terrigenous proxies, 177B(synthesis):6
- Tasmanian Gateway S, paleoceanography, 181A1:3
- Tasmanian land bridge, 189A1:1–98; 189B1:20–21
- Tasmanian region
 comparison with Antarctica, 189B1:16–17
 Cretaceous–Cenozoic deposition, 189A1:6–10
 Gondwana Upper Cretaceous, 189A1:70; 189B1:33
 synthesis, 189B1:1–37
- Tasmantid hotspot, computer models, 130B43:700
- Taupo eruption
 tephra, 152B5:53
 volcanism, 181B1:25–26
- Taupo volcanic zone (New Zealand E)
 Quaternary volcanism, 181B1:23–26
 sedimentation rates, 181A7:3
 source rocks, 135B52:834
 upper Neogene, 181B1:54
- Tauranga arc (New Zealand), volcanic sources, 135B4:55
- Tauride Mountains (Mediterranean Sea E)
 conglomerate comparison, 160B43:563
 tectonics, 160B51:683; 54:766, 770
- Taurus Mountains (Turkey), 160B54:750–751
- Tavua Caldera (Fiji), volcanic sources, 135B4:55
- Tawoli Formation (Espiritu Santo Island), 134A3:3
- Tehuantepec upwelling event (Pacific Ocean E equatorial), organic carbon, 138A(1)8:103
- Tekirova ophiolite (Turkey S), tectonics, 160B54:769
- Tell chain (Mediterranean Sea W)
 Miocene, 161A1:6–8
 terrains, 161B44:557
- Tellaro Formation (Sicily), geology, 107B13:184
- Tenaghi Philippon (Greece N), 108B6:100–101
- Tenerife (Canary Islands)
 ash fall layers, 157B18:315–328; 27:458–459
 deposition, Site 956, 157A10:514–515
 drilling, 157A2:12–13, 23
 felsic tephra, 157B27:453
 geochronology, 157B19:329–341
 seismic reflectors, 157B2:27
- Tenji Seamount (Hawaii-Emperor seamounts), stage poles, 144B35:609
- Tenryu Canyon (Nankai Trough accretionary prism), clay, 190/196B4:8
- Tenryu drainage basin (Japan), sedimentation, 131B2:24
- Tentokuji Formation (Japan Sea), Pliocene, 151B3:54
- Terra member (Eratosthenes Seamount), 160B33:431
- Terravecchia Formation (Sicily), geology, 107B12:184
- Tethyan deep water, circulation, 114B27:495
- Tethyan fauna, 129B13:254; 32:584; 37:700
- Tethyan Indian Saline Water, formation, 115B27:519
- Tethyan Seaway, closure, 115A5:237
- Tethys
 Alpine-Mediterranean rift successions, 107B38:642
 biostratigraphy, 123B1:41–42; 15:299; 39:739–755; 124B12:173; 143B32:545–546
 closure, 115B1:7
 Cretaceous correlation, 143B10:152; 144B10:211–213
 Cretaceous–Paleocene interval, 184A1:3–4
 oxide sediment, 107B9:136
 paleobioprovinces, 144B50:890–892
 tectonic history, 123A1:3
 warm saline deep waters, 113B49:876; 53:950
See also Ligurian Tethys
- Tethys Himalayas, synbreakup volcanism, 123B4:102
- Tethys interval reflectors (Ontong Java Plateau), seismic stratigraphy, 130A7:267–269, 275–277; 8:338
- Tethys N, sequence stratigraphy, 143B10:151–153
- Tethys–Pacific connection, Middle Jurassic, 129B37:702
- Tethys S, sequence stratigraphy, 143B10:153

- Texas. *See* Hunton group carbonates; Stuart City trend
Texas interval reflectors (Ontong Java Plateau), seismic stratigraphy, 130A7:269–270, 275–277; 8:338
Texas W. *See* Ellenburger Formation
Thakkhola (Nepal)
 benthic foraminifers, 123B13:246–247
 paleoenvironment, 123B43:808
 polar wander path, 123B43:807
 sedimentation, 123B43:807–812, 816
Theic Ocean suture structure, 103B1:3, 10–11
Thingmuli Volcano (Iceland E), mineralogy, 118B4:93
Thomas Washington Guyot (Pacific Ocean W), 143B30:475
Thompson Trough (Papanin Ridge), seismic reflection, 198A11:11, 15
Three Kings line (Ontong Java Plateau), plate reconstructions, 130B43:705–706
Three Kings Rise (Lau-Tonga transect), 135B55:883
Thule Basin (Greenland)
 Proterozoic siliciclastics, 105B3:45
 quartzarenite source, 105B3:44
 sedimentary rocks, 105A2:34
Tiber River, sand provenance, 161B3:52
Tibetan Plateau
 extensional tectonism, 121B39:826
 glacia–interglacial cycles, 117A1:8
 high-pressure cell, 117A1:6
 low-pressure cell, 117A1:7
 sedimentation rate impact, 121A1:20
 uplifts, 108B14:224; 29:481; 121A12:363; 127/128B(1)19:338; 184A1:3–4
 See also Himalayan Mountains/Tibetan Plateau complex; Lingzizong Formation; Maquiang volcanics; Takena Formation
Tiburon Ridge (Lesser Antilles)
 location, 110B4:34, 36
 sediment thickness, 110B4:36
 subduction, 110B4:36
Tiburon Rise
 geology, 156A1:3–11
 tectonics, 171A_A1:5–6; 171A_B3:3
 See also Barracuda Ridge
Tiburon Rise N
 bathymetry, 110A1:6
 location, 110A1:6
 sediment thickness, 110A1:8
 structural alteration, 110A1:8–9
 thrust faulting, 110A1:8–11
 See also Site 672
Tinaquillo (Venezuela N)
 lherzolites, 125B38:637, 647
 peridotites, 125B9:164–165
Tinaquillo lherzolite, aluminum oxide/silica ratio vs. magnesium oxide/silica ratio, 153B10:213
Tindfjallajkull eruption (Iceland S), tephra, 152B5:64
To-H tephra (Japan Trench), tephrostratigraphy, 186B10:3–4
Toba ash (South China Sea)
 carbonate content, 121B25:489
 Site 758, 121A12:368, 373
Toba Caldera
 magma chamber zoning, 121B14:284
 tephra, 121B14:287; 165B5:112
 volcanic ash, 121B14:277
Toba Lake event (Sumatra/Indonesia), planktonic foraminiferal changes, 121B25:489, 492
Toba tuff, feldspar composition, 121B14:284
Tobago Basin, location, 110A1:6–8
Tofino Basin (British Columbia margin), accretionary wedges, 146A(1)8:383–385
Tofino fault, tectonics, 146A(1)10:405
Tofua arc (Lau Basin)
 arc rifting, 135B3:24–49
 basaltic andesites, 135B24:386
 basalts, 135B28:510; 29:522; 38:633
 element abundances, 135B24:415
 geochemistry, 135B24:392
 lava, 135B29:528–529
 Miocene, 135B6:87–100
 petrology, 135B55:879–905
 sedimentation, 135B3:48; 4:52–53
 tectonics, 135A(1)1:11; 135B29:530
 volcanic arcs, 135B1:3
 volcanic shoals, 135A(1)11:579
 volcaniclastics, 135B22:367; 52:838
 volcanism, 135A(1)1:12; 135B2:20
 volcanoes, 135B4:72
 See also proto-Tofua arc
Tohoku (Japan Trench), tephrostratigraphy, 186B10:3–4
Tohoku arc (Japan Sea), explosive volcanism, 126B3:63
Tom Canyon (New Jersey coastal plain), debris flows, 150B11:225–226
Toms River member (New Jersey coastal plain)
 Eocene, 150X_B16:210
 planktonic foraminifers, 174AXS_A1:30
 stratigraphy, 174AXS_A1:2
Tonga
 glass inclusions in olivine phenocrysts, 126B11:175
 oil seeps, 135B41:667–676
 See also 'Eua; Fonualei; Kao; Lau-Tonga forearc basin; Lau-Tonga protoarc; Metis shoal; Niuafu'ou; Niuatoputapu; Nuku'alofa; Tafahi
Tonga arc
 fossil hydrothermal manganese deposits, 126B7:113
 geochemistry, 135B30:533–542
 intraoceanic forearc basement, 126A2:6
 lava, 135B29:529–530
 lead-lead plots of arc volcanic rocks, 127/128B(2)49:808
 paleomagnetism, 135B47:763–783
 sediment contamination of mantle source, 127/128B(2)49:812
 sedimentation, 135B12:173–188
 sediments, 135B8:131–146
 seismic profiles, 135B21:331–365
 See also Vanuatu-Fiji-Lau-Tonga area; Vavau
Tonga arc-trench system, geochemistry, 135B44:709–714
Tonga-Fiji region, rhyolitic volcanism, 126B33:514
Tonga forearc
 felsic rocks, 135B40:653–663
 igneous rocks, 135B38:625–646

- lithostratigraphy, 135A(1)1:14–21
 organic geochemistry, 135B44:709
 plagioclase zoning, 135B31:543–544
 rhyolites, 135B57:923
 sedimentation, 135B11:163–172; 53:843–855
 seismic profiles, 135B56:917
 tectonics, 125B24:408; 135B18:287–299
 thaumasite, 135B39:647–651
- Tonga forearc, outer, tectonics, 135B20:313–329
- Tonga-Kermadec arc. *See* Wousi Bank
- Tonga-Kermadec subduction zone, 135B55:886
- Tonga-Kermadec Trench
 plate circuits, 130B43:698–700
See also Ozbourn Seamount
- Tonga platform
 biostratigraphy, 135B14:207–229; 15:231–243;
 16:245–266
 geology, 135A(1)11:581
 Miocene, 135B6:87–100
 petrology, 135B55:897–898
 sedimentation, 135B11:163–172
 sediments, 135B8:131–146
 stratigraphy, 135B54:857–877
 subsidence, 135B12:173–188
 tectonics, 135A(1)1:22–23
 volcanism, 135B3:23–49; 53:850–851
- Tonga Ridge
 biostratigraphy, 135B17:267–284
 convergent plate margins, 135B1:3–5
 evolution, 135A(1)4:92; 10:495, 497
 geochemical logs, 135B59:931–949
 geochemistry, 135B24:385–425
 geologic setting, 135B55:884
 hydrocarbons, 135A(1)10:491
 lava, 135B29:529
 lithostratigraphy, 135A(1)1:14–21
 mineralogy, 135B24:386–388
 Miocene, 135B6:87–100
 petrology, 135B25:429; 55:879–905
 rifting, 135B22:367–371
 seafloor spreading, 135B18:288
 sedimentation, 135B4:52–53; 11:163–172
 tectonics, 135A(1)1:11–13; 6:252
 well-logging, 135A(1)1:42–44
- Tonga Trench
 bathymetry, 135A(1)1:7
 biostratigraphy, 135B17:267–284
 Cenozoic evolution, 134B2:26
 convergent plate margins, 135B1:3–5
 geologic setting, 135B55:884; 195B1:2–4
 Miocene, 135B6:87–100
 morphotectonics, 135A(1)5:184–186
 peridotites, 107B3:45
 petrology, 135B55:879–905
 side-scan sonar, 135B23:373–382
 site description, 135A(1)11:577–583
 tectonics, 135A(1)1:13; 11:582; 135B20:313–329
See also Horizon Deep Bight
- Tongatapu
 drilling, 135A(1)1:12
 hydrocarbons, 135A(1)10:491
- morphotectonics, 135A(1)5:184–185
 oil seeps, 135B41:667–676
 structural provinces, 135A(1)1:11
- Tongue of the ocean
 deep-marine hardgrounds, 101B18:260
 organic preservation, 101B25:386
 periplatform ooze, 101B20:280
 sedimentation, 101B15:217–218
 turbidites, 101B15:213; 19:266
 turbidity currents, 101B14:203, 212
- Toolebuc Formation (Eromanga Basin/Australia), Rock-
 Eval pyrolysis, 123B11:218
- Tore-Madeira Rise (Galicia Bank), compressive phases,
 103A5:84
- Tore Seamount (Newfoundland-Iberia rift)
 bathymetry, 149B1:6
 continental margin, 149B1:4
 rifting phases, 210B1:8
- Torishima Caldera
 pumice source, 126B1:11
 sediment source, 126B38:569
- Torishima Forearc Seamount (Japan/Mariana forearc)
 alteration and metamorphic processes, 125A1:12
 basement lithologies, 125B27:448–449
 bathymetry, 125B1:10; 19:348; 21:375; 27:448, 451;
 36:599
 boninite genesis, 125B38:641–646
 capping material, 125B33:599–600
 carbonate enrichment, 125B21:377
 fault blocks, 125B19:344
 formation, 125B27:457; 36:612
 geological setting, 125A1:6; 125B21:374–375;
 195B1:5
 hydration, 125B1:9
 lithology, 125B36:608–609
 location, 125B27:445
 magma genesis, 125B38:637–641
 oxide petrography, 125B33:563–564
 peridotites, 125B27:451, 456
 petrology, 125B36:610
 pore water chemistry, 125B21:381, 384; 36:610
 seismic stratigraphy, 125A5:83–84, 86
 serpentinization, 125B1:8–10
 strontium isotopes, 125B23:398
 structure and physical properties, 125B36:609–610
 subduction component, 125B36:610
 submarine volcanoes, 126B38:564
- Torishima rift
 backarc basin basalts, 126B42:642
 maps, 132A3:48
- Torishima Volcano
 Izu-Bonin diabase association, 126B27:417
 sediment sources, 126B42:646
- Torquay Basin (Victoria S), biostratigraphy, 182B3:17
- Torres (Vanuatu)
 lava, 134B19:388–390
 petrology, 134B16:342
 tectonic setting, 134A1:5
- Torres group, tectonics, 134B2:23
- Torres shelf, schematic section, 133A(1)1:19
- Torres Vedras (Portugal), geology, 103B42:765

Tortachilla transgression (Australia), foraminifers, 182B4:9

Tortuga Bank (Caribbean Sea), basins, 165B4:86

Tosa Basin (Nankai Trough), seismic profiles, 131B27:340

Towada Caldera (Japan Trench), tephrostratigraphy, 186B10:3–4

Townsville Trough (Australia)

- bathymetric cross section, 133B6:77
- biostratigraphy, 133B1:3–18; 55:790
- chert, 133B56:791, 794
- continental margin, 133B17:239
- evolution, 133B52:764
- idealized cross section, 133A(1)10:360
- lithostratigraphy, 133A(1)3:61
- pore water, 133B32:481–487
- sea level changes, 133B16:203–233
- site description, 133A(1)9:301–343
- slope sediments, 133B42:625–632
- schematic cross section, 133A(1)1:23; 133B1:5
- seismic grid, 133A(1)1:12
- tectonics, 194A1:4–5
- transects, 133A(1)1:14; 133B5:69; 52:766

Toyama Channel (Japan Basin), 127/128B(1)19:333

Toyama Deep Sea Fan

- deposits, 127/128B(2)73:1146
- geology, 127A1:11
- heat flow, 127/128B(2)73:1148
- sands, 128A1:14
- seismic expression, 127/128B(2)73:1148

Toyama Trough, geology, 128A3:70

Trans-Alboran shear zones, tectonics, 161B26:351

Trans-Atlantic geotraverse

- basalts, 158B17:213–229
- biosphere, 158B26:355–360
- clay minerals, 158B20:277–284
- fluid inclusions, 158B13:163–190
- fluid mixing, 158B10:119–127
- geochemistry, 158B3:41–70; 19:255–276; 27:363–387
- geology, 158A1:6–8
- heat flow, 158A3:23–29
- hydrothermal systems, 158A1:5–14; 2:15–21; 158B18:231–254
- lead isotopes, 158B8:101–109
- magnetic properties, 158B25:337–351
- osmium isotopes, 158B7:91–100
- oxygen isotopes, 158B21:285–295
- petrology, 158B1:5–26
- physical properties, 158B23:313–327; 169B8:1–42
- rare earths, 158B12:143–159
- stable isotopes, 158B6:85–90
- strontium and oxygen isotopes, 158B11:129–141; 22:297–309
- sulfides, 158B9:111–117; 15:193–210; 28:389–415; 169B5:1–34
- sulfur isotopes, 158B5:71–84
- tectonics, 158A1:6–8
- thermal properties, 158B24:329–335

See also black smoker complex; Kremlin white smoker field; TAG-1 area; TAG-2 area; TAG-3 area; TAG-4 area; TAG-5 area; Ucana Formation

trans-Himalayan volcanic arc, Cretaceous–Paleocene interval, 184A1:3–4

Transantarctic Mountains

- Beacon supergroup kaolinitic sediments, 119B13:247
- Cenozoic, 189B1:20
- glacial sediments, 120B(1)12:164; (2)56:1007
- ice sheet development, 119A8:340; 119B6:118
- tectonics, 189A1:45–49
- uplift history and onset, 119A8:289

See also Sirius group

Transect EG63 (Greenland SE), 163X_A1:15

Transect EG64, 163X_A7:1–16

- core and thin section description, 163X_A7:5
- geophysics and site selection, 163X_A7:2
- igneous petrology, 163X_A7:4–5
- igneous unit composition, 163X_A7:5
- location, 163X_A7:7
- operations, 163X_A7:2–3
- paleomagnetism, 163X_A7:5, 16
- phenocryst composition, 163X_A7:5, 15
- principal results, 163X_A7:1–2
- scientific objectives, 163X_A7:1
- sedimentary petrology, 163X_A7:4
- seismic profiles, 163X_A7:8–10
- site description, 163X_A7:1–16
- site summaries, 163X_A7:3–4
- volcanic stratigraphy, 163X_A1:7–8

Transect EG65, 163X_A6:1–50

- core and thin section description, 163X_A6:24
- core summaries, 163X_A6:45–46
- geophysics and site selection, 163X_A6:3–4
- igneous petrology, 163X_A6:21–22
- igneous unit composition, 163X_A6:22–23
- location, 163X_A6:26
- operations, 163X_A6:4–5
- paleomagnetism, 163X_A6:23–24, 50
- phenocryst composition, 163X_A6:23, 49
- principal results, 163X_A6:2–3
- scientific objectives, 163X_A6:1–2
- sedimentary petrology, 163X_A6:19–21
- seismic profiles, 163X_A6:27–32
- site description, 163X_A6:1–50
- site summaries, 163X_A6:5–19
- volcanic stratigraphy, 163X_A1:7

Transect EG66, 163X_A5:1–16

- core and thin section description, 163X_A5:6
- core summaries, 163X_A5:12
- geophysics and site selection, 163X_A5:2
- igneous petrology, 163X_A5:4–5
- igneous unit composition, 163X_A5:5–6
- location, 163X_A5:8
- operations, 163X_A5:3
- paleomagnetism, 163X_A5:6, 16
- phenocryst composition, 163X_A5:6
- principal results, 163X_A5:2
- scientific objectives, 163X_A5:1–2
- sedimentary petrology, 163X_A5:4
- seismic profiles, 163X_A5:9
- site description, 163X_A5:1–16
- site summaries, 163X_A5:3–4
- volcanic stratigraphy, 163X_A1:7

- Transect EG68, 163X_A4:1–25
 core and thin section description, 163X_A4:14
 cores, 163X_A4:22
 geophysics and site selection, 163X_A4:2–4
 igneous petrology, 163X_A4:12–13
 igneous unit composition, 163X_A4:13
 location, 163X_A4:16
 operations, 163X_A4:4–5
 paleomagnetism, 163X_A4:13–14, 25
 phenocryst composition, 163X_A4:13
 principal results, 163X_A4:1–2
 scientific objectives, 163X_A4:1
 sedimentary petrology, 163X_A4:11–12
 seismic profiles, 163X_A4:17–19
 site description, 163X_A4:1–25
 site summaries, 163X_A4:5–11
 volcanic stratigraphy, 163X_A1:6–7
- Transpolar Drift, pollen, 151B16:301–305
- Transverse Ranges Province (California S)
 elevation increases, 104B6:212–213
 tectonics, 146A(2):2:19
- Tregrosse Reef (Coral Sea)
 phosphatic hardgrounds, 133B36:525
 schematic cross section, 133A(1):1:23
 site description, 133A(1):5:135–176
- Tres Montes Fracture Zone (Taitao Peninsula/Chile)
 geologic map, 141A3:24
 Miocene subduction, 141A3:25
- Trinidad
 deepwater agglutinated foraminifers, 124B12:171, 174
 geologic history, 207A1:4
See also Columbus Basin; Guayaguayare Formation; Lizard Springs Formation
- Tripoli Formation (Sicily), paleoenvironment, 160B39:492
- Tristan da Cunha (Atlantic Ocean S)
 flood basalt volcanism, 115A1:7
 hotspot activity, 115A1:8; 121B26:516
 lava Dupal isotopic signature, 121B31:599
 mantle plume chemistry, 115B5:54
- Trobriand arc (Solomon Sea), sedimentation, 180A1:16; 6:32–34
- Trobriand Basin, sandstone, 180B7:1–58
- Trobriand forearc
 deposition, 180A1:17
 late Miocene, 180B(synthesis):9
- Trobriand forearc basin
 basement, 180A3:16
 cross sections, 180A3:17
 evolution, 180A3:4–5, 7
 sedimentation, 180A1:3
- Trobriand Islands
 ophiolites, 180B1:3
See also Lusancay-Trobriand-Woodlark Islands
- Trobriand Trench (Solomon Sea W), plate reconstructions, 130B43:705–706
- Trobriand Trough (Solomon Sea W)
 carbonate platforms, 180B(synthesis):13
 geophysical surveys, 180A2:4–6
 mantle, 180B1:6
- subduction, 180B(synthesis):4, 7–8
 upper-plate paradox, 180B(synthesis):19
See also Ruaba unit
- Troodos margin N, fanglomerate, 160B43:548–555
- Troodos ophiolite (Cyprus)
 basement, 123B30:559; 160B54:734–736, 745, 769
 Cretaceous tectonics, 160B52:704–705; 54:776
 fanglomerate, 160B43:545–566; 54:743
 formation, 118B26:509
 geology, 160A9:291, 297; 160B51:695–696; 53:713; 54:727
 Koenigsberger ratio, 118A8:153
 lithofacies, 160B37:474, 476–478
 magnetic properties, 118A3:73
 Messinian gypsum, 160B36:459–460; 51:686
 paleogeography, 160B32:413–414
 plate boundary, 160B54:731
 Pliocene channels, 160B37:477–478
 sources, 160B36:455
 subsidence, 160B39:512
See also South Troodos Transform Fault Zone
- Tropical paleobiogeographic zone (PBZ), 198B5:9–11
- tropical regions
 ocean circulation, 138B22:503–512
 sediments, 138B25:575–578
- tropical–subtropical transition zone, Indian Ocean productivity, 121A1:18
- Trous-sans-Fond Canyon (Ivorian margin), deposition, 159A8:270
- Trujillo Basin (Peru margin)
 brines, 201A1:31
 diagenetic dolomite, 201B13:5–6
- Trusmadi Formation (Sabah), geology, 124B9:127
- Tryal rocks (Australia NW), subsidence, 123B37:692–693
- Tsangpo suture zone. *See* Indus-Tsangpo suture zone
- Tsugaru Strait (Japan Sea/Japan NE)
 depth, 127/128B(1):20:342, 351; 26:440; 28:457
 geology, 127/128B(1):5:70; 21:362–363, 365; 25:423
 paleoceanography, 186B3:1–21
- Tsugaru Warm Current, paleoceanography, 186B3:1–21
- Tsukushi (Papua New Guinea), hydrothermal fields, 193A1:6–7
- Tsukushi group (Pual Ridge), lava, 193B1:12
- Tsushima Basin (Japan Sea)
 crustal structure, 127/128B(2):82:1311–1314, 1318–1319
 magnetic anomalies, 127/128B(2):82:1314
 paleobathymetry, 127/128B(2):76:1210
 subsidence history, 127/128B(2):76:1207–1211, 1214
- Tsushima Current
 biostratigraphy, 127/128B(1):11:180; 16:298–299; 22:365; 33:591; 128A4:165; 5:310–311
 circulation, 127/128B(1):5:69; 20:342; 25:423–424
 geology, 127/128B(1):22:365; 128A1:20–21
 glaciation onset, 127/128B(1):27:466
 productivity, 127/128B(1):17:311
 sedimentation, 190/196B4:11
 Site 799, 128A5:310, 312
 upwelling, 127/128B(1):33:594
 warm surface water, 127/128B(1):26:440, 457; 33:577

- Tsushima fault
dextral motion, 127/128B(2)82:1317
Japan Sea tectonic evolution, 127/128B(2)82:1315
offsets, 127/128B(2)82:1325
- Tsushima Strait
age, 127/128B(1)11:180
biosiliceous productivity, 127/128B(1)17:313
depth, 127/128B(1)20:342; 26:440; 27:457
diatoms, 127/128B(1)21:360; (2)77:1219–1220
geology, 127/128B(1)21:362–363, 365; 25:423
Kuroshio Current, 127/128B(1)10:166–167;
128A4:164
Site 798, 128A4:164–166
Site 799, 128A5:312
tectonic subsidence, 127/128B(1)33:591
- Tubuai (Austral Islands), geochemistry, 143B16:274
- Tuit transgression (Eucla Basin)
Eocene/Oligocene boundary, 182B4:10
planktonic foraminifers, 182B4:10
- Tuketja transgression (Great Australian Bight), 182B4:9–10
- Tunisia
carbon isotopes vs. depth, 183B4:39
Cretaceous stratigraphy, 144B8:166
tectonics, 160A1:16
- Tunisia NW. *See* El Kef
- Turanian region. *See* Irano-Turanian region
- Turkey
crust fragmentation, 160B51:695
tectonics, 160A1:6; 160B51:682–683; 53:713, 718
See also Cilicia-Adana Basin; Cungus Formation; East Anatolian fault; Haddim Nappes; Halete volcanic unit; Hatay; Hazar group; Hazro Inlier; Hecataeus-Latakia unit; Isali Formation; Iskenderun Basin; Karadere unit; Karatas Formation; Keban platform; Kiti unit; Kocali ophiolite; Kumluca Zone; Lice Formation; Puturge metamorphic massif; South Anatolian Fault Zone; Susuz Dag
- Turkey S
Cretaceous–Paleogene succession, 160B32:413–414
crust, 160B54:727
Miocene carbonates, 160B33:431–432
See also Koprü Basin; Lycian Nappes; Tekirova ophiolite
- Turkey SE
tectonics, 160B54:749–750, 759–761
See also Killan unit
- Turkey SW
offshore geology, 160B54:737–738
onshore geology, 160B54:741
See also Burdur Basin; Burdur Fault Zone; Isparta angle
- Turkmenia, geomagnetic polarity transition, 121B43:385
- Turrucars Formation (Coasta Rica), 165A4:184
- Tuscaloosa Seamount (Oahu), 200A1:20; 200B1:3
- Tuscan-Roman-Campanian magmatic province (Italy), pyroclastics, 161B12:151–152
- Tuscan sequences (New Jersey coastal plain), 150B2:28
- Tuscany (Italy), tectonics, 107A3:46
- Tuzo Wilson seamounts (Pacific Ocean NE), basalts, 145B22:340
- Two Wells sandstone (New Mexico), 169B3:17
- Tym-Poronaik fault (Japan Sea)
geology, 127/128B(2)82:1315
Japan Sea tectonic evolution, 127/128B(2)75:1180
matrix sieving, 127/128B(2)75:1179–1180
- Tyro Basin (Strabo Trench/Mediterranean Sea E)
microfaults, 127/128B(2)75:1180
paleoenvironment, 127/128B(1)22:379
- Tyrrhenian Basin
organic matter, 161B29:385
sand provenance, 161B3:37–56
volcaniclastics, 161B12:137–156
- Tyrrhenian Sea
basin evolution, 107A1:5; 2:9; 107B1:4; 5:75; 38:626, 629, 634, 636; 44:716–724
bathymetry, 107A2:10–11; 107B15:230; 38:641
biostratigraphy, 107B31:495–505; 161B13:161–162; 15:198–202, 209–211; 16:223–237
Central fault, 107A2:24
compressional phase, 107B38:725
cooling trend, 107B1:14
crust, 107B38:641
drifting phase, 107B38:726
extensional phase, 107A10:748–749; 107B38:725
freshwater influx, 107B1:24
geochemistry, 143B16:274
geodynamic models, 107A2:24, 26
geologic evolution, 107A3:39
heat flow, 107A2:14, 16
island arc migration, 107B3:46
isopach features, 107A2:34
Italian mainland basins correlation, 107B38:655
lithostratigraphy of magmatic cycle, 107A3:62
magnetic anomalies, 107A2:9–10, 13
magnetostratigraphy correlation, 107B38:679
Mesozoic, 107B1:6–7, 10
Messinian, 107B1:12–14; 14:211–212; 160B36:459
Messinian–Pliocene transition, 107B38:651–652
morphology, 107A2:10, 14, 15; 107B38:617
Paleogene paleoenvironment, 107B1:10
Paleozoic paleoenvironment, 107B1:4–6
peri-Tyrrhenian Neogene chain relationship, 107B38:724–727
peridotites, 107B3:45
Pleistocene volcanism, 107A3:63
Pliocene, 107B1:14–15
Pliocene–Holocene interval, 107B38:723
Pliocene paleoceanography, 107B26:413
Pliocene–Pleistocene sedimentary sequence, 107B38:655
pore water, 107B36:59; 161B33:424–426
Quaternary, 107B1:16
rifting history, 107B1:3
sapropels, 161A1:15; 161B31:401–411
sea-surface temperature, 161B39:489–503
sedimentary cycles, 107A2:22; 107B1:16
sedimentary rock types, 107A4:74
sedimentary structures, 107A2:35; 3:61
sedimentation and tectonic influence, 107B38:727
seismic stratigraphy, 107A2:20–21
southern bathyal plain, 107B38:721–722

strontium isotopes, 117B27:462
tectonics, 107B38:633; 39:660–661; 44:727; 160A1:16
Tortonian, 107B1:12; 38:724
Tortonian/Messinian boundary, 107B1:12
upward-fining sediment trend, 107B1:24
See also Baronie Ridge; Campanian margin; Campanian volcanic province; Cefalu Basin; Central fault; Cornaglia Basin; De Marchi Seamount; Della Rondine Seamount; Flavio Gioia Seamount; Gioia Basin; Magnaghi Volcano; Monte Farfalle; Monte Poseidone; Monte Secchi; peri-Tyrrhenian Basins; peri-Tyrrhenian orogeny; Pontine archipelago; R. Selli lineament; Sassari-Campidano Trough; Site 651; Vavilov Basin
Tyrrhenian Sea W. *See* Monte Baronie

U

Ua Huka (Marquesas Islands), xenoliths, 144B30:525
Ucana Formation (Trans-Atlantic Geotraverse), lithology, 157B18:320
Ujlan-Anewetak group (Marshall Islands), stage poles, 144B35:609, 612
Ujlan atoll, physiography, 144B33:562–564
Ukelayat subterranean (Koryak Range/Russia), 145B12:200
Ulleung Island (South Korea)
 order of filling, 127/128B(2)55:888
 seismic unconformity, 127A6:312–313; 127/128B(2)75:1178–1181
 Site 794, 127/128B(2)75:1182–1183
Ulugan fault (South China Sea), geology, 124B9:121
Umatac Formation (Izu-Mariana arc), Mariana arc correlation, 125A2:6; 125B11:207
Unda (Great Bahama Bank)
 biostratigraphy, 166A3:28
 magnetostratigraphy, 166A3:31–33
 sedimentology, 166A3:26, 28
 strontium isotope stratigraphy, 166A3:30–31
United Kingdom. *See* Western Approaches Basin
United Nations Rise diapiric area (Mediterranean Sea E), mud breccia, 160B46:603
United States NW
 paleoenvironment, 127/128B(1)19:337
 Site 799, 127/128B(2)75:1178; 128A5:263–264, 269–272
United States SE, palygorskite, 123B41:785
unnamed clay formation (New Jersey coastal plain)
 lithologic units, 174AXS_A6:24–25
 photograph, 174AXS_A6:75
 stratigraphy summary, 174AXS_A6:67
unnamed clayey glauconite sands, 174AXS_A3:33–34
unnamed foraminiferal clay, 174AXS_A3:34
unnamed glauconitic clays
 lithostratigraphy, 174AXS_A3:33–34
 palynomorphs, 174AXS_A3:38
Unst ophiolites (Shetland Islands), 125B29:507
Upolu (Samoa), morphotectonics, 135A(1)5:184–185
Upper Circumpolar Deep Water, currents, 178B7:2
Upper Englishtown Formation (New Jersey coastal plain), lithology, 174AXS_A1:24; 6:30–33

upper evaporite formation (Italy)
 Cornaglia Terrace, 107B37:604
 cyclicality, 107B37:603
 Sardinian margin, 107B37:604
upper Fataga Formation (Gran Canaria), geochronology, 157B11:133–134, 136
upper levee complex (Amazon Fan)
 electron microprobe data, 155B7:149–150
 fabric, 155B27:449–450
 geochemistry, 155A16:478
 grain size, 155B11:217–228
 lithofacies, 155B2:27, 29
 trace elements, 155A12:350
 See also bottom levee complex; lower levee complex; middle levee complex
upper Mogan Formation (Gran Canaria)
 geochronology, 157B11:131
 volcaniclastic units, 157B15:227–228
upper Pacific Deep Water, paleoclimatology, 184B2:13
upper Shark River Formation (New Jersey coastal plain)
 lithology, 174AXS_A2:31; 5:23–25
 photograph, 174AXS_A6:74
 stratigraphy summary, 174AXS_A6:66
upper Shikoku Basin facies (Nankai Trough)
 lithologic units, 190A4:7; 5:8–9; 8:5; 190/196B12:3–4
 physical properties, 190A1:32–33
 volcanic ash, 190/196B2:3
upper Shikoku Basin facies/lower Shikoku Basin facies boundary
 lithologic units, 190/196B12:3–4, 6–10, 14
 well-logs, 196A3:34–35
Urbiena fault (Galicia margin), location, 103A7:111, 119
Urgonian complex (Galicia margin), 103B30:510

V

Valanginian Basin (Galicia margin), erosion, 103B2:23
Valderrama unit (Philippines), age, 124B23:323–325
Valdivia Fracture Zone (Chile margin), 202A3:1
Valerie Passage (Pacific Gateway SW), 181A1:5; 181B1:15
Valles San Luis Potosi Platform (Mexico), 143B30:477, 480–482
Valu Fa Ridge (Lau Basin)
 backarc magmas, 135B28:516–517
 basalts, 135B29:529
 geochemistry, 135B24:386–425
 hydrothermal deposits, 135B5:75
 igneous rocks, 135B55:887
 morphotectonics, 135A(1)5:184–185
 seafloor spreading, 135B18:288
 sonar imagery, 135B23:373
 trace elements, 135B24:397
Vancouver Basin (British Columbia), 146B(1)1:19–20
Vancouver Island
 accretionary wedges, 146A(1)8:381–387
 continental slope, 146A(1)5:217–218
 convergent margin, 146A(1)1:5–7
 dispersal regional patterns, 168B5:61–62
 geology, 169S_A2:14
 sediment provenance, 168B5:56, 59
 sedimentation rates, 168B5:52

- See also* Cowichan River; Crescent Formation; Crescent Terrane; Nanaimo lowlands; Nootka Fault Zone; Saanich Inlet; Satellite Channel
- Vancouver Island accretionary wedge, biostratigraphy, 146B(1)2:48, 51
- Vancouver Island N. *See* Paul Revere Ridge
- Vancouver margin
foraminifers, 146B(1)5:80, 88–90, 92–94, 96–97, 100
sand, 146B(1)2:34–35
sediment grain size, 146B(1)1:19–20
seismic surveys, 146B(1)9:163–174
tectonics, 146A(1)10:405
- Vancouver Valley
dispersal regional patterns, 168B5:62
sedimentation rates, 168B5:52
- Vandfaldsdalen Formation (Greenland E)
basalts, 152A13:289
correlation, 152B41:521
- Vandfaldsdalen Formation (Iceland), 163X_A8:5
- Vanuatu
basins, 134A1:13
biostratigraphy, 134B14:309–317
collisions, 134B35:610
geochemical logs, 134B36:625–643
lava, 135B32:56
magnetostratigraphy, 134B33:577–585
paleobathymetry, 134B12:276–283
petrology, 134B19:375–392
physical properties, 134B29:511–530
Pleistocene, 134B13:293–308
stratigraphy, 134B4:60
vertical tectonics, 134A3:33–42
volcaniclastics, 134B9:131–176
water content comparison, 134B30:531–547
See also East Santo Basin; Eastern belt; Epi-Tonga region; Maewo group; Maewo Island; Malakula; Marino Formation; Matthew Island; Mere lava; North Aoba Basin; Pentecost Island; Sabine Bank; Tanna Island; Torres; Wailapa fault; West Santo Basin; West Torres Massif
- Vanuatu-Fiji-Lau-Tonga area, magmatic chronology, 135B55:883–886
- Vanuatu-New Hebrides arc, tectonics, 135B55:882–883
- Vanuatu Ridge. *See* New Hebrides-Vanuatu Ridge
- Variscan basement
geology, 149B1:4, 7–8; 173A1:10
See also Hercynian orogeny
- Variscan continental crust, basement, 173A6:155–156
- Variscan suture zone (Galicia margin), geology, 103B13:210
- Vasco da Gama Seamount (Galicia margin)
basement, 103B1:5, 8
continental margin, 149B1:4, 6–7
deformation, 173A1:8
lithologic units, 173A4:74, 77
location, 103A1:4–5
SeaBeam surveys, 103A5:84
seismic stratigraphy, 149B39:624
structural data, 173A4:98–102
tectonic units, 149B1:8–9
- Vashon Drift (Washington), geology, 169S_A2:14
- Vavau (Tonga arc), morphotectonics, 135A(1)5:184–185
- Vavilov Basin (Tyrrhenian Sea)
basement age, 107A7:326
bathymetry, 107A2:13
evolution, 107A1:5; 107B38:634
geodynamic reconstruction, 107B5:83–85
magmatic differentiation, 107B38:634
Marsili Basin and remnant arcs, 107B1:25
Pliocene paleoenvironment, 107B38:656
sedimentary structures, 107A8:409
seismic stratigraphy, 107A2:19
unconformities, 107B38:621
- Vavilov Basin W. *See* Gortani Ridge
- Vavilov Seamount
mantle source, 107B5:85
negative magnetic anomaly, 107A7:288
pyroclastics, 161B12:150
- Vavilov Volcano
eruptions, 107B1:15
morphology, 107A2:9
Pliocene age, 107B38:634, 721
reversed magnetic polarity, 107B1:25
- Vega Island (Antarctica), palynomorphs, 188B3:17
- Vema Fracture Zone (Mid-Atlantic Ridge)
amphibole gneisses, 118B27:543
geometry, 118B21:366
greenschist-facies alteration, 118B26:489
high-temperature deformation gabbros, 118A3:51
hydrogrossular, 125B18:333
neovolcanic zones, 118B21:376
oceanography, 154A1:6, 8
ridge/transform intersection, 118B24:428
transverse ridge excessive subsidence, 118B21:395
- Vema gap (North American Basin), geology, 102B11:156
- Vema profiles, seismic stratigraphy, 132B1:3–5
- Venado Formation (California E), volcanic provenance, 165A4:184
- Venezuela
basins, 165B4:86
deformation, 110B2:11
foreland belt lithostratigraphy, 110B2:12
geologic history, 207A1:4
lithostratigraphy, 110B2:11–12
mid-Cretaceous, 207B2:3
sequence stratigraphy, 143B10:153
See also Cabo codera; Las Henandez section; Peder-nales River; Querecual Formation; Sierra Formation; Tinaquillo lherzolite
- Venezuela margin. *See* Cariaco Basin
- Venezuela N
anoxic deposits, 165B7:125–140
See also Tinaquillo
- Venezuela W, La Luna Formation, 192B3:10, 18
- Venezuelan Basin
acoustic basement, 165A4:133–134
oceanic plateaus, 165A1:9–10
- Ventaniella fault (Cantabrian Zone), structure, 103A7:111
- Ventura River (California), sedimentation, 146B(2)5:62, 66–67; 7:94; 8:103–104; 22:303–304
- Verrucano Formation (Italy), rock clasts, 107B2:32

- Vesteris Bank (Greenland Sea), physiography, 151A1:11
 Vestfold Hills (Prydz Bay/Antarctica)
 alkaline mafic igneous rocks, 119B1:7
 glaciology, 188A1:6–7
 Phanerozoic sedimentary rocks, 119B1:7
 Pliocene glaciomarine sediments, 119B48:886–887
 Pliocene interglacial marine sediments, 119B6:119
 Precambrian igneous and metamorphic rocks,
 119B5:64–66
 uplifts, 119B1:22
 See also marine plain
 Vibelius Guyot (Pacific Ocean N), limestone, 143B30:475
 Vico eruption (Italy), pyroclastics, 161B12:152
 Victor Hensen seahill (Ionian Sea), 160A14:466–467
 Victoria, geology, 169S_A2:14
 Victoria land (Antarctica), diamictites, 113B53:953–954
 Victoria Land Basin (Antarctica)
 Cenozoic, 189A1:3; 189B1:20
 Eocene–Oligocene transition, 189B1:13
 tectonics, 189A1:47
 Victoria S. *See* Torquay Basin
 Vidio fault (Galicia margin), location, 103A7:111, 119
 Vietnam, climate, 184A1:10
 Vigo Seamount (Galicia margin/Iberia margin)
 Albian–Cenomanian sedimentation rates,
 103B35:615
 basement, 103B1:8
 bathymetry, 149B1:6
 carbonate-poor sediments, 103A9:240
 continental margin, 149B1:4, 6–7
 location, 103A1:4–5
 metamorphic rocks, 149B47:729
 organic matter, 149B13:295–300
 rifting, 173A1:7
 sandstone mineral composition, 103B39:705
 SeaBeam surveys, 103A5:84
 seismic and sedimentary succession, 210A1:25–26
 siderite, 103A9:236
 tectonic units, 149B1:8–9
 Vila Franca de Xira (Galicia margin), 103B42:765
 Vilarica fault (Portugal NE)
 maps, 149B1:5
 plate tectonics, 149B1:4
 Vincentown Formation (New Jersey coastal plain)
 biostratigraphy, 150X_B10:114–116; 174AX_A1:38–
 39; 174AXS_A1:38–39
 clay mineralogy, 150X_B5:62–63
 Eocene, 150X_B16:210
 lithology, 174AXS_A1:54; 5:28–30; 6:25–26
 lithostratigraphy, 150X_B2:18; 174AX_A1:26–27;
 174AXS_A1:18–20
 photograph, 174AXS_A6:76
 stratigraphy, 150X_B1:8–9; 174AXS_A1:2; 5:60; 6:67
 Virginia, correlation, 150X_B11:141–142
 Visayan Basin (Philippines), turbidites, 124B32:443–444
 Vitiaz arc (Australian plate)
 magnetic anomalies, 134B2:31–32
 upper Eocene, 134A1:5
 Vitiaz Trench
 Cenozoic evolution, 134B2:26
 plate circuits, 130B43:699
 sedimentation, 134A1:15
 subduction, 134B35:609–610
 tectonics, 134B3:48
 Vityaz Rise (Emperor Seamounts), dredge samples,
 127A5:177
 Vixen survey site (Ontong Java Plateau), 130A3:47
 Vladivostok (Russia), sea ice, 127/128B(1)10:167
 Vocontian Basin (France SE), deposition, 171B_A6:262
 Vøring Basin (Norwegian margin)
 isochron maps, 104B50:1005–1007
 isopach maps, 104B50:1024
 location, 104A1:8
 seismic stratigraphy, 104B50:995–1003, 1018
 site correlation, 104B50:1003–1009
 Tertiary igneous activity, 104B51:1041–1044
 volcanic history, 151A1:12–16
 Vøring Fracture Zone
 location, 104B1:10
 structural features, 104B51:1035
 Vøring margin
 asymmetry, 104B51:1052
 Cenozoic sediment sequence, 104A1:14
 evolution, 104B51:1058–1061
 extension models, 104B51:1052–1054
 formation, 104A1:13
 geodynamic models, 104B51:1054, 1056–1057
 geological provinces, 104A1:16
 seismic profiles, 163B1:7
 structure, 104A1:16
 subsidence, 104B51:1057–1058
 transects, 152A1:14
 volcanic rocks, 152B27:324–325
 well-ties, 163B1:5
 Vøring Plateau (Norwegian margin), 120B(1)9:130;
 (2)47:884
 bathymetry, 104B1:8; 2:30; 4:63; 31:589; 50:995;
 52:1071
 biostratigraphy, 104B29:527–540; 30:543–581;
 162A8:276
 carbonates vs. age, 151B30:499
 Cenozoic, 104A1:10–11; 104B50:1020–1023, 1026–
 1027
 crustal structure, 104B51:1054, 1055
 currents, 104B1:11
 deposition, 151A9:277
 development, 104B51:1033–1037
 diagenesis, 104A7:766
 drilling, 104B1:17–19
 emplacement model, 104B51:1048–1051
 evolution, 104B50:1023; 51:1060–1061
 fracture zones, 104A1:10
 glaciation, 162B12:184
 hydrocarbon gases, 104B15:319–334
 ice-rafted debris, 104B9:265
 isotopes, 104B11:281–283
 listric fault model, 104B48:979–981, 983
 lithology, 104B19:368–369
 location, 104A1:5, 6; 104B6:191–192
 low-frequency reflectors, 104A7:76
 magnetic properties, 104A1:15; 4:166; 104B1:8;
 51:1049

melt composition, 163B11:120–121, 128–129
 mineral chemistry, 104B19:370–371
 Miocene–Pliocene quartz/feldspar ratios, 104A1:17,
 22
 Miocene upwelling, 104A5:467
 Neogene, 104A1:22; 151B27:455–468
 Neogene–Quaternary tephra, 104A4:77–82
 paleobathymetry, 104A7:766, 770
 paleoclimatology, 104A7:766–768
 paleoceanography, 104A7:766–770; 104B19:369–370
 paleogeography, 104A7:766
 physiography, 152A1:6–7
 plate tectonics, 151A1:5–9
 Pleistocene–Miocene volcanic ash, 104A4:82
 rifting, 124A12:341
 sediment accumulation, 104A1:25
 sediment consolidation, 127/128B(2)80:1277
 sedimentation, 104A1:19–20, 25; 104B50:1023–1025
 seismic stratigraphy, 104A1:12, 14, 20; 4:83, 111;
 7:764–765; 104B1:7, 9; 49:986; 50:1009–1017,
 1021, 1025–1027; 51:1034–1037, 1051
 site correlation, 104B50:1011–1016
 subsidence, 104A4:75
 Tertiary rift-drift events, 104B51:1043
 tholeiitic lavas, 104B19:369, 370–378
 volcanic basement, 104B7:274
 volcanic margin, 104B49:985–990; 51:1033–1061
 volcanic rocks, 152B28:347
 volcanic series, 104A7:765–767; 104B50:1016–1019
 volcanic zonation, 104B50:1010
 Vøring Plateau margin, 104B49:985–990
 drilling results, 104B51:1037
 seismic reflectors, 104B49:986
 structure, 104A1:10
 Vostok ice, ice core correlation, 177B(synthesis):17–19,
 46
 Vostok ice deuterium, vs. oxygen isotopes, 177B(synthe-
 sis):54
 Vrica section (Italy S)
 biohorizons, 124B10:148–150
 Pliocene/Pleistocene boundary, 107B24:395
 sapropels, 160B14:187; 15:191–197; 161A1:11
 Vulmino eruption (Italy), pyroclastics, 161B12:152

W

Wailapa fault (Vanuatu), Neogene, 134A3:37
 Waimihia eruption (Pacific Ocean SW), 181B1:25–26
 Waipawa black shale (New Zealand), tectonics, 181A1:4
 WAIS. *See* West Antarctic Ice Sheet
 Waitemata Basin (New Zealand E), volcanics, 181B1:48
 Wakimoto Formation (Japan)
 deposition, 128A1:18
 foraminifers, 127/128B(1)12:187; 27:459
 Walkers Cay Fault Zone (Bahamas), geology,
 101B19:266, 275; 26:394, 396, 401–402; 29:466
 Wallaby Plateau (Australian plate)
 igneous geochemistry, 123B42:792
 origin, 123B4:104
 Walton Basin (Caribbean Sea)
 bathymetry, 165A5:234; 165B17:253

plate tectonics, 165B17:252, 267, 271
 Walvis Basin (Namibia)
 age models, 175B(synthesis):65
 biostratigraphy, 175A19:544; 175B14:1–26
 dolomite, 175B15:1–17
 drilling, 175A1:17
 lipids, 175B10:1–34
 lithostratigraphy, 175A18:535–536, 541
 Miocene–Pleistocene carbon burial, 175B6:1–19
 sedimentation rates, 175A19:544; 175B(synthe-
 sis):12–14; 9:1–23
 sediments, 175A16:489
 well-logging, 175A10:304, 306; 12:380
 Walvis Bay
 age models, 175B(synthesis):66
 drilling, 175A1:17
 productivity, 175B(synthesis):23–30, 88
 upwelling, 175A1:17; 175B(synthesis):6–7
 Walvis group, upwelling, 175A1:17
 Walvis paradox
 lower Quaternary, 175B(synthesis):23–25; 21:1–31
 productivity cycles, 175B(synthesis):42–43
 Walvis Ridge (Mid-Atlantic Ridge/Atlantic Ocean S)
 age models, 175B(synthesis):65
 basalt geochemistry, 115B5:54
 bathymetry, 208A1:52–54; 208B1:31, 33
 biogenous sedimentation, 175A17:519
 biostratigraphy, 159B27:337–338; 175A19:544;
 175B(synthesis):79
 carbon isotopes, 120B(2)54:968; 183B4:38
 carbonates and organic carbon, 175B(synthesis):86
 currents, 175A17:508
 dolomite, 175B15:1–17
 drilling, 175A1:17
 gases, 161A7:319
 hotspot activity, 115A1:8
 hydrocarbons, 160A12:439
 lava Dupal isotopic signature, 121B31:599
 lithostratigraphy, 175A18:535–536, 541
 magnetic properties, 175B8:1–17
 mantle components, 120B(1)3:61
 Miocene–Pleistocene carbon burial, 175B6:1–19
 paleoclimatology, 175B(synthesis):78; 23:1–46
 pelagic ooze winnowing, 121B8:212
 pH, 115B39:712
 productivity, 175B(synthesis):23–30
 sedimentation rates, 175A19:544; 175B9:1–23
 sediments, 175A16:489
 seismic profiles, 175B(synthesis):57–58; 208A1:55
 total organic carbon vs. age, 175A17:509, 526
 upwelling, 175A1:17; 175B(synthesis):6–7
 well-logging correlation, 175A10:304, 306
 Walvis Ridge NE
 geology, 208A1:1–112
 high-resolution seismic stratigraphy, 208B6:1–27
 sediment age distribution, 208A1:84
 synthesis, 208B1:1–55
 Walvis transect, paleoceanography, 175A17:509
 Wandel Sea (Greenland NE), margins, 151A1:10

- Washington. *See* Grays Harbor Estuary; Hendrickson Canyon; Vashon Drift; Washington-Oregon shelf; Willapa Canyon
- Washington-Oregon shelf, sediment provenance, 168B5:59
- Washington S, continental margin, 146B(1)15:259, 261
- Washington W. *See* Olympic Peninsula
- Wayne seamount platform (Mariana forearc), seismic profiles, 145B29:440–442
- Weddell Abyssal Plain
 ice-rafted debris, 120B(1)14:216
 turbidites in West Antarctic Ice Sheet, 113B53:938
- Weddell Basin
 age vs. depth, 113B52:929
 geology, 114A5:88; 8:411; 114B33:610
 paleoenvironment, 113B5:56, 58–60
See also Site 694
- Weddell Deep Water, Site 748, 120A7:185
- Weddell Gyre, circulation, 113B45:803; 114B33:626, 630
- Weddell Sea
 Antarctic Bottom Water, 113B53:938; 177A1:3
 biostratigraphy, 113B52:915–936; 120A6:110, 112–113; 7:185; 8:250; 36:657; 55:993; 56:1006; 120B(2)29:523–525; 34:612; 123B39:746, 754; 189B4:14
 carbon and nitrogen recycling, 113B53:956
 carbon isotopes, 117B35:572; 119B38:704, 714
 circulation, 120B(2)46:875
 clay mineralogy, 113B5:51–52
 compressional wave velocity, 120A6:123
 deep-sea hiatuses, 119B48:874–875
 depth distribution of sites, 113B53:940
 Eocene–Oligocene transition, 189B1:14
 Eocene surface water temperatures, 113B53:949
 geology, 114A6:152; 8:364; 114B33:610–611
 glacial sediments, 120B(1)12:163
 grain shape, 113B7:96–103, 107–109
 ice-rafted debris, 119A8:340; 119B6:78; 120B(2)56:1009, 1012; 63:1093
 ice sheets, 120A5:84; 7:230
 ice shelf expansion, 119B13:248
 icebergs, 120B(1)12:173
 kerogen site comparisons, 113B15:194–197
 location, 113B50:882; 53:939
 magnetostratigraphy, 113B7:101; 120B(2)31:561–562
 mineral fractionation factors, 113B10:144
 Neocomian sediments, 123B39:752
 nepheloid layer transport, 113B8:116–119
 nitrogen, 113B50:884–889
 Oligocene, 119B48:873
 Oligocene inversion isotopic record, 119B38:712
 organic carbon, 113B13:174–175; 50:884–889; 119B23:419
 organic matter, 113B50:881; 119B23:417
 oxygen isotopes vs. magnesium, 113B10:145
 permeability, 113B17:213
 Pleistocene sedimentary facies cyclic changes, 119B12:225
 Pliocene glaciation, 119B9:181
 pore water chemistry, 113B10:139–144
 preconsolidation stress, 113B17:212–213
 regional geology, 113B7:90–91
 sea ice, 113B45:803; 53:951, 956–957
 sediment consolidation, 127/128B(2)80:1277
 sedimentation rates, 113B52:925
 stable isotopes, 119B38:694
 upwelling, 113B49:875
 volcanic ash alteration, 113B10:144
 warm saline deep water, 113B53:937, 949–950
 water masses, 113B53:938–939
See also Cockburn Island; Explora Escarpment; Explora wedge; Jane Bank; Jane Basin; Maud Rise; Seymour Island; Wegener Canyon
- Weddell Sea Bottom Water
 circulation, 113B9:122; 35:571; 53:938
 grain size effects, 119B12:225
- Weddell Sea Deep Water
 currents, 178A2:7; 178B8:4
 glacial–interglacial cycles, 178B8:10–12
- Wegener Canyon (Weddell Sea E)
 bathymetry, 113B4:40, 42
 evolution, 113A7:315–317; 113B4:45–47
 rock dredging, 113B4:42–44
 SeaBeam measurements, 113B4:41
 seismic stratigraphy, 113B4:44, 46
- Weitin transform fault (Manus Basin), 193A1:4
- Wenonah equivalent (New Jersey coastal plain), 174AXS_A5:33–34, 61
- Wenonah Formation
 biostratigraphy, 174AX_A1:37; 174AXS_A1:34, 42
 lithostratigraphy, 174AX_A1:28–29; 174AXS_A1:23, 55; 6:29–30
 photograph, 174AXS_A6:77
 stratigraphy, 174AXS_A1:3; 6:68
 strontium isotope stratigraphy, 174AXS_A1:45–46
- West African craton, Gondwana, 159B10:94
- West Antarctic Ice Sheet (WAIS)
 climate events, 177B(synthesis):39
 extent, 114A6:199; 12:801; 114B23:430; 25:468–469, 471; 26:480; 28:529–530
 ice-rafted debris, 120B(1)14:216; 178B25:9–10
- West Antarctic Seaway, circulation, 114A6:199
- West Balearic Basin, paleoceanography, 161B38:481–488
- West Florida margin, gravity flows, 101B12:188
- West Florida shelf, geology, 182A2:21–22
- West Pacific Seamount Province
 eruption, 144B31:536
 mantle source, 144B31:541
See also Ronlap atoll complex
- West Philippine Basin
 ion seismic observatory, 195A1:14–22
 synthesis, 195B2:1–27
See also Central Basin fault
- West Santo Basin (Vanutau)
 age, 134A2:22
 morphology, 134A1:11
 subduction, 134B1:13
 submersible observations, 134A4:45
- West Spitsbergen Current
 circulation, 151B13:243, 249
 Miocene–Pliocene, 151B31:523–524
 oceanic circulation, 151A1:17–18; 8:224; 151B26:449

- organic carbon, 151B22:397–398
 paleoclimatology, 151B31:515–517
 pollen, 151B16:301–305
 sea ice, 151B2:25–36
 sediments, 162B6:94
 West Torres Massif (Vanuatu), subduction, 134A3:33
 Western Alboran Basin
 biostratigraphy, 161B20:285
 extensional basins, 161A1:9
 marine sediments, 161B7:84–85
 Miocene–Pleistocene succession, 161A1:15
 tectonics, 161A6:185; 161B25:331–344; 44:561–568
 Western Approaches Basin (United Kingdom), location, 103A5:79
 Western Australia. *See* Eromanga Basin; Hamersley Basin; Hutt Lagoon; Molecap greensand; Muderong shale; Osborne Formation; Perth Abyssal Plain; Scott Plateau; Surat; Whim Creek group; Winning group; Wolf Creek meteorite; Woodlark Basin
 Western Betic cordillera, metamorphism, 161B19:274
 Western Boundary Current, circulation, 165A1:9
 Western Boundary Current, paleoceanography, 189A1:13
 Western Boundary Undercurrent (Atlantic Ocean)
 clay mineral zones, 150B9:164
 glacial transport, 101B16:234
 hydrography, 150A1:6
 Western Pacific Warm Pool
 paleoceanography, 184A1:8
 paleoclimatology, 184A1:14
 Whale Basin (Newfoundland-Iberia rift)
 plate tectonics, 149B25:439
 rifting phases, 210B1:6
 Whalers Bay (Antarctica), sea ice, 151B2:25–36
 Whangai shale (New Zealand), tectonics, 181A1:4
 Wharton Basin (Indian Ocean E)
 Cretaceous, 183A1:30–33
 fossil spreading ridges, 121B38:765
 geochemistry, 118B7:148
 magnetostratigraphy, 121B38:765
 manganese oxide-rich clays, 123B8:187
 northward migration, 121B38:765
 ridge jumps, 121B39:801
 spreading centers, 121A1:13; 10:261
 stress-induced deformation, 123B37:680
 tectonic chart, 121B38:765–766
 Wharton-Cocos Basin (Indian Ocean Central)
 bottom water circulation, 116B16:190
 gravity anomalies, 116B22:276–277
 Wheukite rhyolite (Pacific Ocean SW), 181B1:24
 Whim Creek group (Western Australia), 123B8:181
 Whitewater shale (New Mexico), fatty acids, 169B3:17
 Wild Canyon (Prydz Bay), bathymetry, 188A1:5
 Wild Drift (Prydz Bay)
 diffuse spectral reflectance, 188B12:1–27
 principal results, 188A1:19–23
 spectral data, 188B7:1–49
 Wilde Guyot (Pacific Ocean), geochemistry, 144B31:541
 Wildwood member (New Jersey coastal plain)
 clay mineralogy, 150X_B5:60–63
 lithostratigraphy, 150X_B2:22
 paleoenvironment, 174AX_A1:18–20
 stratigraphy summary, 174AXS_A5:58; 7:47
 Wilkes Land margin (Antarctica E), 119B23:417
 Wilkes-Pensacola basins (Antarctica E), deposition, 120B(2)56:1010
 Wilkins Canyon (Prydz Bay), bathymetry, 188A1:5
 Willapa Canyon (Washington)
 dispersal regional patterns, 168B5:61–62
 sedimentation rates, 168B5:52
 Willaumez extensional transform fault (Manus Basin), volcanism, 193A1:5
 Williams Ridge (Kerguelen Plateau N), 120B(2)47:881
 Wilmington Fan (Atlantic coastal plain), 150A1:8
 Wilmington Valley, debris flows, 150B11:225–226
 Wilson Bluff limestone (Great Australian Bight)
 depocenters, 182B4:10–11
 equivalents, 182A2:8
 Wilson Bluff transgression, planktonic foraminifers, 182B4:9
 Windaliar Radiolarite (Exmouth Plateau), geology, 123B39:744, 746, 755
 Winning group (Western Australia), mineralogy, 123B41:788
 Winterer Guyot (Pacific Ocean E tropical), limestone, 143B30:475
 Wintua Formation (Malakula), Neogene, 134A3:35
 Wodejebato Guyot (Marshall Islands)
 atolls, 144B14:271–294
 basalt alteration, 144B28:476–477, 483, 485–486
 bathymetry, 143A9:305
 biostratigraphy, 144B1:9, 18–19; 2:33, 38–42; 7:141–156; 8:158–159, 161; 9:171–196
 carbonate platforms, 144B47:819–840
 Cenozoic stratigraphy, 144B41:678, 680, 683, 685
 demagnetization of volcanics, 144B34:589
 depositional history, 144B14:289
 diagenesis, 144B25:455; 46:789–817
 drill-hole data, 143A2:16
 flexure modeling of atoll and guyot pairs, 144B33:583
 geochemistry, 144B31:539, 541
 geologic history, 144B33:572; 45:769–787
 guyots, 144B52:925–926, 928; 53:939, 941, 943–944
 hardgrounds, 144B5:104–111, 113–114
 isotopes in pore waters, 144B58:997–999
 lava, 144B29:498–500; 30:519–520, 522
 limestone petrography, 144B23:429–437
 magnetic structures, 144B37:632–633
 physiography, 144B33:566–573, 576
 radiometric ages, 144B32:547–548, 551–552
 reef diagenesis, 144B24:439–446
 sedimentary sequences, 144B15:295–310
 sedimentation and biostratigraphy, 144B42:694–697
 site description, 144A5:145–312
 site summary, 143A2:23–26
 stratigraphy, 143B7:105–108; 144B13:255–269; 49:874, 876–879
 transgressive phase, 144B51:898–899
 Wodejebato/Pikinni apron
 acoustic properties, 143B18:287–303
 basaltic clasts, 143B16:263–276
 biostratigraphy, 143B33:567–570; 34:571–574

- geochronology, 143B17:277–283
magnetization, 143B22:373–379
radiometric ages, 144B32:548–549, 552
sediments, 143B37:587–591
- Wolf Creek meteorite (Western Australia), 125B19:355
- Wombat Plateau (Exmouth Plateau)
alkaline rhyolites, 123B42:792
bentonites, 123B4:104
Callovia-Oxfordian tectonic event, 123B43:810
juvenile ocean sediments, 123B4:101
nannofossil-calcisphere chalk, 123B1:45
Neocomian chalk, 123B1:45; 5:127
paleowater depth, 123B43:811
post-Rhaetian evolution, 123B43:802–803
Rhaetian carbonate sequence, 123B43:801
seafloor spreading, 123B43:803
sedimentation history, 123B43:801–803
seismic reflection profiling, 123B43:803
tectonic subsidence, 123B37:685, 696
volcanic basement, 123A1:7
- Woodbridge clay member (New Jersey coastal plain), palynomorphs, 174AX_A1:41
- Woodbury Formation (New Jersey coastal plain)
biostratigraphy, 174AX_A1:37, 39; 174AXS_A1:34–35, 43
lithostratigraphy, 174AX_A1:30–31; 174AXS_A1:25, 56; 4:13–14; 5:35–36; 6:34–35
photograph, 174AXS_A6:78
stratigraphy, 174AXS_A1:3; 4:39; 5:61; 6:70
strontium isotope stratigraphy, 174AXS_A1:45–46
- Woodlark Basin (Western Australia)
biostratigraphy, 180B4:1–13
continental crust, 180B3:1–28
cross sections, 180A1:34
diabases, 180B1:1–18
evolution, 180A3:6–7
marine geophysical surveys, 180A2:1–20
microbiology, 180B19:1–12
organic petrology, 180B10:1–36
paleomagnetism, 180B20:1–15
permeability, 180B23:1–14
plate circuits, 130B43:698–699
pore water, 180B17:1–20
sandstone, 180B7:1–58
sediment hydrology, 180B22:1–22
sediment provenance, 180B6:1–53
tectonics, 180B2:1–35
turbidite facies, 180B9:1–30
See also Aldinga transgression; Cape Vogel; D'Entrecasteaux Islands; Dabi volcanics; Dawson Strait; Dobu Seamount; Egum atoll; Fault Zone 1; Goodenough 1; Kutu volcanics; Luluai volcanics; Lusanca-Trobriand-Woodlark Islands; Sadowa gabbro; Simbo transform
- Woodlark Basin N, structural geology, 180B25:1–159
- Woodlark Basin W
continental extension, 180A1:1–77; 180B(synthesis):1–36
correlation, 180B5:1–25
gases, 180B18:1–14
magnetic anisotropy, 180B21:1–7
- Miocene algae, 180B15:1–6
Quaternary biostratigraphy, 180B13:1–8; 14:1–21
volcaniclastics, 180B8:1–44
- Woodlark Island
ophiolites, 180B1:3
tholeiites, 180B(synthesis):6
topography, 180A1:33
See also Lusanca-Trobriand-Woodlark Islands
- Woodlark Rise
basement, 180B(synthesis):6
geophysical surveys, 180A2:4–5
rift onset, 180B(synthesis):9
tectonics, 180B(synthesis):3–4
See also Pocklington Rise
- Woods Hole Guyot (Mid-Pacific Mountains), limestone, 143B30:475
- Woodside Creek clay (New Zealand)
Cretaceous/Tertiary boundary, 121B19:415, 419
iridium, 121B19:415
- world oceans. *See* Oceanus
- Wousi Bank (Tonga-Kermadec arc)
accretionary complexes, 134B29:528
collisions, 134B2:25
deposition, 134A7:107–108
petrology, 134B16:337
sedimentation, 134A7:126–129
subduction zones, 134A14:576
submersible observations, 134A4:43–45
tectonics, 134B2:21, 23, 28, 30
uplifts, 134B1:18
- WP-2 observatory (Pacific Ocean NW), 191A3:19–20
- Wrangellia Terrane (Alaska S), 146A(1):5
- Wyoming
dolomitic oil shales, 125B19:358
See also Dogie Creek; Stillwater complex
- Wyville-Thomson Ridge
volcanism, 151B1:11
water-mass exchange, 162A1:13
- Wyville-Thomson Ridge overflow, water-mass exchange, 162A1:13
- X**
- Xisha-Zongsha Terrain (Nankai Trough accretionary prism), tectonics, 184A1:4
- Xylophagou (Cyprus), lithofacies, 160B43:555
- Y**
- Yakataga Formation (Gulf of Alaska)
clast provenance, 145B12:203
geology, 113B53:953
- Yamato ash, tephra markers, 127/128B(2)48:796
- Yamato Bank (Kita-Yamato Trough)
basement, 127A7:333; 128A5:247–249
bathymetry, 128A5:245–246
crustal structure, 127A7:330; 128A5:248
Japan Sea tectonic evolution, 127/128B(2)82:1315
Layer 3, 128A5:246
magnetic anomalies, 128A5:247
phosphate source, 127/128B(1)5:67–68

- sandstone provenance, 127/128B(1)7:110
seismic stratigraphy, 127A7:399
subsidence, 128A5:295
- Yamato Basin
age, 127A18, 29; 127/128B(1)11:179; (2)58:906–908;
77:1220; 83:1337
basement, 127A1:6–8, 29; 127/128B(2)47:779–789;
56:894; 58:906–908; 128A1:23–24, 32–33, 36
basin floor subsidence, 127A4:103
bathymetry, 128A4:126–127
biostratigraphy, 127/128B(1)10:174–179; 12:189, 208;
15:252–258, 264–269, 283–284; 16:293, 295–
296; 19:328; 28:471, 479, 482–483, 485–486;
29:495–496, 500–517, 522–528
blue tuff, 127/128B(1)8:127–128
crustal structure, 127A1:9; 4:79; 5:176; 127/
128B(2)49:809; 51:837; 57:899; 58:928;
69:1083, 1086, 1104, 1104; 70:1107–1121; 81:1304–
1305; 82:1311–1314, 1318–1319; 83:1341–
1346; 128A1:9–11, 24; 3:70–73; 4:127–128, 130;
5:248
depositional history, 128A3:81
dredge samples, 127A4:82
electrical resistivity, 127/128B(2)84:1354
formation, 127A1:10; 127/128B(2)50:830–831; 58:928
free-air gravity anomalies, 128A4:127
geologic history, 127A4:72; 127/128B(2)73:1147
heat flow, 127A1:27; 4:73; 7:330, 390; 127/
128B(2)73:1147–1148, 1150; 81:1302; 83:1345;
128A4:127; 5:246, 250
hotspot activity, 127/128B(2)83:1345
interbedded sediments, 127A1:25, 29
Japan arc basalt, 127/128B(2)57:903
Lau Basin formation, 127/128B(2)58:928
Layer 1, 128A3:71–72; 4:127
Layer 2, 127A4:73; 127/128B(2)83:1342; 128A1:9;
3:72; 4:127–128
Layer 3, 127A4:73; 127/128B(2)83:1342–1343;
128A3:71–72; 4:127–128
lithospheric stretching, 127/128B(2)81:1304–1305,
1307
lithostratigraphy, 127/128B(1)29:494, 496, 498–499
low-aluminum igneous rocks, 127/128B(2)51:845
magma source, 127/128B(2)47:782–784; 57:902;
83:1341
magmatic history, 127/128B(2)47:787–788
magnetic properties, 127A1:8; 127/128B(2)59:941–
942; 82:1314; 83:1345; 128A1:7
magnetostratigraphy, 127A1:22
neodymium isotopes, 127/128B(2)57:901–903
oceanic crust, 127A4:73; 127/128B(2)84:1354
oceanographic setting, 127/128B(1)20:342
opal-A/opal-CT transition, 127/128B(1)3:50
opal-CT/quartz transition, 127/128B(1)3:50
oxygenation, 127/128B(1)12:201–208
paleodepth, 127A5:199; 127/128B(1)12:189, 201;
(2)77:1220–1221
radiometric age, 127/128B(2)47:784–786
rifting, 127A1:29–30
sedimentation, 127/128B(1)15:287, 297; (2)77:1227
seismic stratigraphy, 127A7:399
stress field, 127/128B(2)67:1047–1059
strontium isotopes, 127/128B(2)57:901–903
subsidence history, 127A1:20, 30; 7:349; 127/
128B(1)12:209; (2)76:1208–1211, 1214
tectonic evolution, 127/128B(2)47:787–788; 75:1187;
82:1316–1317
Toyama submarine fan, 127A1:11
volcanic activity, 127/128B(2)48:796–797
See also Oki Trough
- Yamato Basin N
age, 128A3:67–69
basement, 127A4:77–81; 5:126–127; 128A3:73–75,
117
bathymetry, 128A3:70–71
biostratigraphy, 127/128B(2)77:1221–1223
crustal structure, 127/128B(2)69:1075–1106
depositional history, 127A4:96
free-air gravity anomalies, 127A4:77; 128A3:73
heat flow, 128A3:71–73, 75
igneous event sequence, 128A3:95–97
magnetic anomalies, 127A4:77; 128A3:73
magnetostratigraphy, 127/128B(2)62:969–970;
77:1221–1223
paleoenvironment, 127A4:102–103
rifting history, 127A4:143–147
sedimentation, 127A4:83–84, 147; 128A3:77–81
seismic stratigraphy, 127A4:143
Site 794, 127/128B(1)37:654–656
surface projections of fault ruptures, 128A3:112
tectonic setting, 127A4:81–83; 128A3:75–77, 82
- Yamato Basin S
basement, 127A7:323, 331–334, 408–409
bathymetry, 127A7:325, 331
biostratigraphy, 127/128B(2)77:1223
carbonate compensation depth, 127A7:324
crustal structure, 127A7:329–330, 333; 127/
128B(2)69:1083, 1104–1106
depositional history, 127A7:347–351
dredge samples, 127A7:332
free-air gravity anomalies, 127A7:330–331, 335
geologic history, 127A7:323–324
heat flow, 127A7:330, 332
Layer 1, 127A7:330
Layer 2, 127A7:330
Layer 3, 127A7:330
magnetic anomalies, 127A7:330, 334
magnetostratigraphy, 127/128B(2)62:973; 77:1223
oceanographic history, 127A7:337, 349, 409–410
paleoenvironment, 127A7:356
rifting, 127A7:408–409
sedimentation, 127A7:324, 334–335, 337, 409–410
seismic stratigraphy, 127A7:335, 399
Site 797, 127/128B(1)32:560
subsidence, 127A7:323, 409
tectonic setting, 127A7:334, 336
Yamato block, geology, 127/128B(2)49:809
Yamato Rise, 127A7:325; 128A3:70
basement, 127A1:9; 7:333; 128A3:73; 5:247–249
bathymetry, 127/128B(1)7:110; (2)72:1136;
128A5:245–246

- crustal structure, 127A1:9; 7:329–330, 333; 127/128B(2)69:1075; 128A1:9–11; 5:245–249
- dredge sites, 128A5:249, 253
- free-air gravity anomalies, 128A5:247
- geologic history, 128A1:21–22
- green tuff rocks, 128A5:249
- heat flow, 127A7:330; 127/128B(2)81:1302–1303; 128A5:246, 250
- heavy minerals, 127/128B(1)39:691
- Layer 2, 128A5:246
- Layer 3, 128A5:246
- magnetic anomalies, 127/128B(2)82:1314; 128A5:247
- sedimentation, 127A1:11–13
- sediments, 127A7:349
- Site 799, 128A5:312
- stress field, 128A5:245
- tectonic setting, 127A1:8–9; 127/128B(1)10:156; 128A5:249–250
- Yamato Rise E, normal faults, 127A4:82–83
- Yamato seamount chain, 128A3:70
- basement, 127A7:333; 128A3:73
- crustal structure, 128A4:128
- dredge samples, 127A4:77–78
- strontium isotopes, 127/128B(2)49:812
- Yamato Trough, 128A3:70
- stress field, 128A5:340
- vertical seismic profile, 128A5:342–343
- Yansan fault (Japan Sea)
- Japan Sea tectonic evolution, 127/128B(2)82:1315
- offsets, 127/128B(2)82:1325
- Yangtze River. *See* Changjiang River
- Yap Trench (Nankai Trough accretionary prism/Pacific Ocean W)
- clay, 190/196B4:8
- vein structures, 126B13:205
- yellow channel-levee system (Amazon Fan)
- core-seismic integration, 155A6:117
- fan deposits, 155A13:394
- lithofacies, 155B40:626–627, 629, 637–639
- lithology, 155A9:232; 13:394, 403; 14:433
- remanent magnetization, 155A24:701
- sediments, 155A9:229, 232
- See also* purple/blue/yellow channel-levee system
- Yellow River
- freshwater input to Japan Sea, 127/128B(1)27:458
- origin of dark–light cycle detrital component, 127/128B(1)33:595
- See also* Huang Ho River
- Yellowstone mantle plume (Cascadia)
- Columbia River continental flood basalt (CFB) volcanism, 115B5:54
- stationary plume, 115B5:53
- Yellowstone National Park, rhyolite glass, 126B33:510
- Yerasa fold and thrust belt (Mediterranean Sea E), Miocene, 160B51:690–691; 54:743, 759
- Yermak Plateau (Arctic Ocean)
- aeromagnetic profiles, 151A8:223
- biostratigraphy, 151B8:154–158; 10:187–196; 11:197–201; 13:243–253; 35:641–642
- Cenozoic sedimentation, 151A13:402–404
- continental margins, 151A1:10
- drilling, 151A9:271–343; 151B1:19–20
- evolution, 151A1:16
- formation, 104A1:17
- ice sheets, 151B36:657
- natural gamma ray activity profiles, 151B20:369–376
- oceanic circulation, 151A1:17–18; 8:224
- organic matter, 151B22:391–405
- paleoceanography, 151A1:25; 151B22:391–405
- paleoclimatology, 151B31:515–517
- physical properties, 151A13:407; 151B34:595–626
- plate tectonics, 151A1:5–9, 14–16; 162A1:7
- Pliocene–Pleistocene vegetation, 151B16:297–305
- Quaternary, 151B26:445–454, 469–482
- sea ice, 151B2:25–36
- sediments, 151B21:377–388
- volcanism, 151B1:11
- Yermak volcanic area, plate tectonics, 162A1:7
- Yucatan Basin
- age models, 165B17:255, 257, 264
- carbonate content vs. age, 165B17:265
- plate tectonics, 165B17:252
- volcanism, 165A8:390
- Yucatan Basin Abyssal Plain, stratigraphy, 165A3:50–51
- Yucatan Peninsula, impact craters, 165A1:7
- Yusuf Basin (Alboran Basin), strike-slip faults, 161B26:348–354; 44:569–570
- Yusuf fault
- strike-slip faults, 161B26:348–350, 352–353; 44:569–570
- volcanic rocks, 161B44:574
- Yusuf Ridge
- sediments, 161A7:309
- structure, 161B26:348
- tectonics, 161A7:318; 161B26:352–353; 44:568–569
- Z**
- Zabargad Island (Red Sea), peridotites, 103B12:206; 13:209; 14:229, 232; 41:753
- Zagros Mountains, orogeny, 117B21:373
- Zambales ophiolite (Philippines)
- Acoje block, 125B38:629
- Coto block, 125B38:629
- counterclockwise rotation, 125B38:629
- rare earth depletion, 125B12:233
- trace elements, 125B38:650, 652–653
- Zamboanga arc (Sulu Sea)
- volcanism, 124B34:464, 481
- See also* Sulu-Zamboanga-Negros volcanic arc
- Zamboanga Peninsula
- geological evolution, 124B9:128
- lithology, 124B9:128
- melange basement, 124A5:88
- tilted blocks, 124B4:58
- volcanism, 124B4:60
- Zamboanga Trench, geochemistry, 124A9:113–118
- Zanskar region (Himalayas), Cretaceous/Tertiary boundary, 121B39:819
- Zapecza (New Jersey coastal plain), aquifers, 174AXS_A(summary):14–15
- Zaza terrane (Cuba Central), volcanism, 165A8:390

"Zebra unit," (Mediterranean Sea E), 133B46:696–697
Zenkevich Rise (Bering Sea), seismic profiles,
145B29:438–440
Zephyr shoal (Fiji), morphotectonics, 135A(1)5:184–185
Zeribar (Iran)
 lake levels and glacial–interglacial fluctuation,
 117B19:339
 lake sediments and humid climate during last glacial
 stage, 117B6:156
Zhub Valley (Afghanistan), ophiolites, 121A1:16
Zyyi (Cyprus), Pleistocene fanglomerate, 160B54:743