

INDEX TO VOLUME 184

This index covers both the *Initial Reports* and *Scientific Results* portions of Volume 184 of the *Proceedings of the Ocean Drilling Program*. References to page numbers in the *Initial Reports* are preceded by “A” followed by the chapter number with a colon (A1:) and to those in the *Scientific Results* (this volume) by “B” followed by the chapter number with a colon (B1:).

The index was prepared by Earth Systems, under subcontract to the Ocean Drilling Program. The index contains two hierarchies of entries: (1) a main entry, defined as a keyword or concept followed by a reference to the page on which that word or concept appears, and (2) a subentry, defined as an elaboration on the main entry followed by a page reference.

The index covers volume text, figures, and tables but not core description forms (“barrel sheets”), core photographs, smear slide data, or thin section descriptions. Also excluded from the index are bibliographic references, names of individuals, and routine front matter.

The Subject Index follows a standard format. Geographical, geologic, and other terms are referenced only if they are subjects of discussion. A site chapter in the *Initial Reports* is considered the principal reference for that site and is indicated on the first line of the site’s listing in the index. Such a reference to Site 1143, for example, is given as “Site 1143, A4:1–103.”

The Taxonomic Index is an index relating to significant findings and/or substantive discussions, not of species names *per se*. This index covers three varieties of information: (1) individual genera and species that have been erected or emended formally, (2) biostratigraphic zones, and (3) fossils depicted in illustrations. A taxonomic entry consisting of both genus and species is listed alphabetically by genus and also by species. Biostratigraphic zones are listed alphabetically by genus; zones with letter prefixes are listed under “zones.”

SUBJECT INDEX

A

abundance, planktonic foraminifers, B11:1–21

Actinocyclus ellipticus, vs. depth, B6:7

age models

biogenic opal, B21:2

stable isotope stratigraphy, B3:3

age vs. depth

magnetic polarity, A6:58; A7:88; A8:40; A9:108

sedimentation rates, A6:59; A7:89; A8:41; A9:109

Site 1143, A4:50, 56; B8:33

Site 1144, A5:43, 51; B19:14

Site 1145, A6:32, 36

Site 1146, A7:49, 53; B8:34

Site 1147, A8:17, 21

Site 1148, A9:61, 64

age vs. depth models

sedimentation rates, A4:94; A5:83; B21:6

South China Sea, A1:70

alkalinity

pore water, A4:21; A5:18; A6:13–14; A7:18; A8:8;
A9:22

vs. depth, A4:59; A5:57; A6:38; A7:56; A8:23; A9:68

alkenones

stratigraphy, B17:1–17

vs. age, B17:14

alkenones, long-chain

sediments, B18:5

vs. depth, B18:13, 15

alkyl diols

sediments, B18:5

vs. depth, B18:13, 15

alkyl keto-ols

sediments, B18:5

vs. depth, B18:13, 15

Allerød. *See* Bølling/Allerød level

aluminum. *See* arsenic/aluminum ratio; barium/aluminum ratio; chromium/aluminum ratio; cobalt/aluminum ratio; magnesium/aluminum ratio; manganese/aluminum ratio; nickel/aluminum ratio; phosphorus/aluminum ratio; potassium/aluminum ratio; rubidium/aluminum ratio; silicon/aluminum ratio; titanium/aluminum ratio; vanadium/aluminum ratio; zirconium/aluminum ratio

aluminum/potassium ratio, nannofossil clay, B12:6

aluminum oxide

nannofossil clay, B12:1–25

sediments, B19:6

vs. age, B12:19–20, 22; B19:19

vs. titanium oxide, B12:18

- See also* potassium oxide/aluminum oxide ratio; silica/aluminum oxide ratio
- ammonium
pore water, A4:21; A5:18; A6:13–14; A7:18; A8:8; A9:22
vs. depth, A4:59; A5:57; A6:38; A7:56; A8:23; A9:68
- Andaman Sea, paleoceanography, A1:9
- Arabian Sea, monsoon, A1:13
- aridification
lithologic units, A9:11
nannofossil clay, B14:2–3
- arsenic, clay geochemistry, B12:10
- arsenic/aluminum ratio, vs. age, B12:24
- Asia E, global climate, A1:1–77
- Asian monsoon system, global climate, A1:1–77
- astronomical forcing, faunal responses to climate change, B11:8
- Atlantic-type carbonate cycle, nannofossil clay, B12:5
- atmospheric circulation, evolution, A1:4–7, 45
- Australian Plate, collision, A1:4
- authigenesis
lithologic units, A5:7–9
siderite, B13:5–6
- Azpeitia nodulifer*, vs. depth, B6:7
- B**
- barium, green clay, B15:5
- barium/aluminum ratio
biomediation, B12:8–10
vs. age, B12:23
- Bashi Strait, tectonics, A1:4
- basins
evolution, A1:13–14
sediments, A1:7–8
- basins, margins, paleoclimatology, A1:14
- Bay of Bengal, paleoceanography, A1:9
- bicarbonate, vs. depth, A9:51
- Big Lost Event, sediments, A1:23
- biodegradation, green clay, B15:5–8
- Biogenic Bloom Event, mass accumulation rates, B21:3
- biogenic material, sediments, A1:8
- biohorizons
biostratigraphy, A9:14
summary, A4:90; A5:80; A6:55; A7:82–83; A8:37; A9:98–99
- biomarkers, lipids, B18:5–6
- biomediation, clay geochemistry, B12:8–10
- biostratigraphic datums, planktonic foraminifers, B2:29
- biostratigraphy
sedimentation rates, A7:12; A8:7; B2:10–11
Site 1143, A4:11–14
Site 1144, A5:9–11
Site 1145, A6:7–8
Site 1146, A7:10–12
Site 1147, A8:4–5
Site 1148, A9:12–14
- bioturbation
lithologic units, A4:8–10; A6:5; A7:6, 8–9; A8:4; A9:7–11
photograph, A4:48; A9:56
- sediments, A1:27–28
- Bølling/Allerød level, oxygen isotope chronostratigraphy, B2:5
- Borneo, subduction, A1:4
- Bouma sequence, lithologic units, A4:9–11; A9:8
- Brunhes/Matuyama boundary
sediments, A1:21, 23; A4:16; A6:10; A7:13; A8:6; A9:15
stratigraphy, B2:9
- bulk density logs
vs. bulk density, A4:76
vs. depth, A4:73–74; A7:69; A9:84–85
vs. porosity logs, A5:70
- burrows
lithologic units, A6:5; A7:6, 8; A8:4; A9:7–11
photograph, A6:30
- butane, sediments, A9:18, 110–112
- C**
- calcareous sediment, green, photograph, A7:47
- calcite
green clay, B15:4
nannofossil clay, B14:2
vs. depth, A5:40; A6:31; A7:44; A9:60; B14:5
- calcium
pore water, A4:22; A5:18–19; A6:14; A7:18–19; A8:8; A9:22
vs. depth, A4:59; A5:57; A6:38; A7:56; A8:23; A9:68
vs. magnesium, A4:22, 59; A9:69
- calcium oxide
sediments, B19:6
vs. age, B19:19
vs. carbonate carbon, B12:16
- calcium oxide–quartz–clay minerals, ternary diagram, B12:17
- caliper logs, vs. depth, A4:73–74; A5:68–69; A7:67; A9:80
- carbon. *See* sulfur/carbon ratio
- carbon, carbonate, vs. calcium oxide, B12:16
- carbon, inorganic, sediments, A4:19, 96–99; A5:15, 85–87; A6:11, 60; A7:15–16, 92–94; A8:7, 42; A9:18–19, 113–115; B16:1–9
- carbon, total, sediments, A4:96–99; A5:85–87; A6:60; A7:16, 92–94; A8:42; A9:113–115
- carbon, total organic
organic matter, A9:20–21
Rock-Eval pyrolysis, A6:61; A7:95; A9:116
Rock-Eval pyrolysis vs. by difference, A5:54, 88
sediments, A4:19–20, 96–99; A5:85–87; A6:11, 60; A7:92–94; A8:7, 42; A9:19–20, 113–116; B16:1–9
vs. age, B16:7
vs. chlorin, A5:56
vs. depth, A4:58; A5:53; A6:37; A7:55; A8:22; A9:65; B16:5–6
vs. total nitrogen, A5:55
- carbon/nitrogen ratio
organic matter, A5:16; A6:12–13; A7:16; A8:7; A9:20–21
sediments, A4:19; A5:85–87; A7:92–94; A9:18, 113–115
vs. depth, A5:53; A6:37; A7:55; A8:22; A9:65

- carbon dioxide
 - evolution, A1:4–7
 - sediments, A5:14–15
- carbon isotopes
 - chronostratigraphy, B2:11–15
 - foraminifers, B3:1–8; B4:1–8
 - Globigerinoides ruber*, B2:1–29
 - methane, B13:4, 15
 - organic matter, B20:1–13
 - vs. age, A1:48; B2:24; B3:6; B4:5; B5:6–7; B20:10–11
 - vs. depth, B2:22; B3:5; B4:6; B5:5
- carbon isotopes, methane, vs. methane/(ethane + propane) ratio, B13:13
- carbon number predominance, sediments, B18:3, 10
- carbon preference index, sediments, B18:3, 10
- carbonate compensation depth
 - foraminifer datums, B9:8–9
 - nannofossil clay, B12:5
 - sediments, A1:8
- carbonate content
 - lithologic units, A6:4–5; A7:9
 - nannofossil clay, B12:1–25
 - sediments, A4:9–11, 96–99; A5:85–87; A6:60; A7:92–94; A8:42; A9:18–19, 113–115; B16:1–9; B19:5
 - vs. age, B12:19, 23; B16:7–8; B19:21
 - vs. depth, A5:53; A6:37; A7:55, 69; A8:22; A9:51, 65, 84–85; B9:21; B16:5–6
- carbonate cycles. *See* Atlantic-type carbonate cycle
- carbonates
 - sedimentation, A1:34–35
 - ternary diagram, B12:17
 - vs. age, A1:73
 - vs. depth, A4:57, 78
- Cavolinia*, lithologic units, A7:6
- Cenozoic
 - stratigraphy, A1:50
 - tectonics, A1:4
- chalcophile elements, clay geochemistry, B12:10
- Changjiang River, paleoclimatology, A1:6–7
- chemical index of alteration
 - nannofossil clay, B12:6; B19:7–8
 - vs. age, B19:20
- China, monsoon stages, A1:49
- chloride
 - pore water, A4:20; A5:17–18; A6:13; A7:17–18; A8:8; A9:21–22; B13:3, 11
 - vs. depth, A4:59; A5:57; A6:38; A7:56; A8:23; A9:68
- chlorin
 - organic carbon, A5:16–17
 - sediments, A5:89–91
 - vs. depth, A5:56
 - vs. total organic carbon, A5:56
- chlorite
 - green clay, B15:4, 14
 - nannofossil clay, B14:2
 - paleoclimatic cyclicality, B22:3–4
 - paleoclimatology, B19:6–7
 - reflectance, B22:9
 - sediments, B19:5
 - vs. age, B19:18
 - vs. depth, A5:40; A6:31; A7:44; A9:60; B14:5–6
- See also* kaolinite/chlorite ratio; smectite/(illite + chlorite) ratio
- chlorite/quartz ratio
 - nannofossil clay, B14:2
 - vs. depth, B14:7
- chlorite–smectite mixed minerals, green clay, B15:4, 14
- Chondrites*
 - lithologic units, A4:9–10; A7:9; A9:8–11
 - sediments, A1:27
- chromium/aluminum ratio, nannofossil clay, B12:6–7
- chronostratigraphy
 - nannofossils, B10:16–17
 - oxygen isotopes, B2:4–10
 - sedimentation rates, A5:13
- Cibicidoides wuellerstorfi*, stable isotope stratigraphy, B3:1–8; B15:16; B17:15
- clasts, mud, lithologic units, A9:8–9
- clasts, rip-up, photograph, A9:57
- clay
 - lithologic units, A4:8–10; A5:6–9; A6:4–7; A7:5–9; A8:3–4; A9:6–11
 - vs. depth, A9:51; B9:21
- clay, carbonate-rich
 - lightness, A7:80; A8:35; A9:93–96
 - lithologic units, A6:5–7; A7:6; A8:4
- clay, green
 - autocorrelogram of interval between clay layers, B15:17
 - bulk density, B15:18–19
 - clay mineralogy, B15:4
 - depths and ages, B15:18
 - diagenetic origin, B15:5–8
 - geochemistry, B15:4–5, 22
 - grain size, B15:4
 - lithologic units, A6:5; A7:6; A8:3–4; A9:9–11
 - paleoenvironment, A1:30–31; B15:1–23
 - photograph, A4:46
 - spatial and temporal distribution, B15:5, 15
 - vs. depth, A4:45; A7:45; A8:15; A9:52
- clay, nannofossil
 - geochemistry, B12:1–25
 - lithologic units, A7:5–9; A9:8–11
 - mineralogy, B14:1–10
 - photograph, A9:54
- clay fraction, siliciclastics, B19:8–9
- clay mineralogy
 - green clay, B15:4
 - paleoclimatic cyclicality, B22:1–10
 - reflectance, B22:9
 - sediments, B19:5
 - See also* calcium oxide–quartz–clay minerals
- clay minerals
 - lithologic units, A9:11
 - ternary diagram, B12:17
- climate, evolution, A1:4–7
- climate change, faunal responses, B11:8
- coarse fraction
 - sediments, B16:9
 - vs. age, B16:7
 - vs. depth, B11:14; B16:5–6
- cobalt, clay geochemistry, B12:10

cobalt/aluminum ratio, vs. age, B12:24
coccolithophores, alkenone stratigraphy, B17:1–17
coccoliths, vs. depth, A5:44
coercivity
 hysteresis, B1:3–4
 vs. depth, B1:8
coercivity ratio, vs. depth, B1:8
coercivity remanence
 hysteresis, B1:3–4
 vs. depth, B1:8
coercivity remanence/coercivity ratio
 hysteresis, B1:3–4
 vs. depth, B1:8
cold water. *See* warm/cold water ratio
collision, Philippine Sea Plate, A1:4
color changes
 lithologic units, A7:5–9; A9:6–11
 photograph, A9:56
 See also lightness; reflectance
composite depths
 Site 1143, A4:84
 Site 1144, A5:77
 Site 1145, A6:51
 Site 1146, A7:76–77
 Site 1147, A8:33
 Site 1148, A9:91
composite section
 Site 1143, A4:6–7
 Site 1144, A5:4–6
 Site 1145, A6:3–4
 Site 1146, A7:4–5
 Site 1147, A8:2–3
 Site 1148, A9:5
compressional wave velocity
 sediments, A4:25–26; A5:21; A6:16
 vs. depth, A4:67; A6:44; A7:60; A8:29; A9:75
 vs. velocity logs, A4:76
 See also velocity logs
concretions
 authigenic siderite, B13:1–15
 lithologic units, A9:6–7, 10–11
continental slope, paleoenvironment, A1:29–37
convoluted bedding, lithologic units, A9:8
cooling, alkenone stratigraphy, B17:1–17
coral reefs, tectonics, A1:4
coring, summary, A1:76–77
coring penetration, vs. age, A1:66
correlation
 composite section, A4:6–7
 foraminifer datums, B9:6–7
 gamma-ray attenuation bulk density, A4:38–40;
 A5:33–35; A7:35–38; A8:13; A9:41–45
 gamma rays, A5:30–32; A7:31–34; A8:12; A9:36–40
 magnetic susceptibility, A4:32–34; A5:5, 27–29; A6:3–4;
 A7:4, 27–30; A8:3, 11; A9:5, 31–35
 reflectance, A4:41–43; A5:36–38; A7:39–42; A8:14;
 A9:46–50
correlation between Site 1146 and Site 1148, B9:19
Cretaceous–Paleocene sequence, topography, A1:3–4
crust, oceanic, plate tectonics, A1:4
cyclic sedimentation, clay geochemistry, B12:10–11

Cyclotella spp., vs. depth, B6:7

D

Dansgaard–Oeschger Events
 interstadials, B2:6–10
 paleoceanography, A1:9
 turbidite, A4:11
deep resistivity logs, vs. depth, A5:68–69; A7:67; A9:80
demagnetization
 overprints, A4:15–17; A6:35
 sediments, A5:12–13
demagnetization, alternating-field sediments, A4:52;
 A5:49
density. *See* bulk density logs
density, bulk
 green clay, B15:20–21
 paleoceanographic proxies, A1:13
 sediments, A4:23–24; A5:20–21; A6:15–16
 vs. bulk density logs, A4:76
 vs. depth, A1:55–56, 58, 60–62, 64–65; A5:58; A6:39;
 A7:59; A9:72
density, core log, vs. depth, A5:72
density, dry, vs. depth, A5:62; A6:42; A7:61; A8:27; A9:73
density, gamma-ray attenuation bulk
 correlation, A4:38–40; A5:33–35; A6:23–24; A7:35–38;
 A8:13; A9:41–45
 vs. moisture and density bulk density, A4:62; A5:61
density, grain
 sediments, A4:23–24; A5:20–21; A6:15–16
 vs. depth, A4:60; A5:62; A6:42; A7:61; A8:27; A9:73
density, log bulk, vs. depth, A5:72
density, moisture and density bulk
 vs. gamma-ray attenuation bulk density, A4:62;
 A5:61; A8:26
 vs. thermal conductivity, A4:69
density logs. *See* bulk density logs
detrital component elements, vs. benthic foraminifer elements, B12:22
diagenesis
 geochemistry, B12:24
 green clay, B15:5–8
 lithologic units, A5:7–9
 pore water, A6:13–14
diatom abundance, vs. depth, B6:8–9
diatoms
 biostratigraphy, B6:1–9
 lithologic units, A6:5; A7:6
 zonation, B6:6
dinoflagellates
 abundance, B7:24–25
 biostratigraphy, B7:1–29
 comparison, B7:8–9
 range chart, B7:26–27
 zonation, B7:5–9
dissolution
 foraminifer datums, B9:7–8
 lithologic units, A7:9
 vs. depth, B11:14
dolomite
 lithologic units, A7:8–9; A9:10

vs. depth, A5:40; A6:31; A7:44

E

Earth's orbit, evolution, A1:4–7

East China Sea Shelf, paleoceanography, A1:8–10

Eocene, paleoclimatology, A1:6–7

eolian transport, sediments, A1:13

Equatorial Warm Current, paleoclimatology, A1:14

erosion, uplifts, A1:11

ethane

carbon isotopes, B13:15

sediments, A5:14–15; A7:14–15, 90–91; A9:17–18, 110–112; B13:4

vs. depth, B13:12

See also methane/ethane ratio; methane/(ethane + propane) ratio

ethene, sediments, A9:18, 110–112

ethyl ketones, sediments, B18:5, 9

F

fatty acids, long-chain, sediments, B18:4, 9

faults, lithologic units, A9:10–11

faults, normal, photograph, A9:58

ferromagnetism, magnetic susceptibility, B1:2–3, 6

flaser bedding, photograph, A9:59

foraminifer datums

distribution, B8:42–43; B9:24, 26; B21:9

geochronology, B11:3–4

zonation, B9:5–6, 14

foraminiferal fragmentation, vs. depth, A5:45; A6:33; B11:14

foraminifers

lithologic units, A5:8–9; A7:5–9; A8:3–4; A9:8

paleoenvironment, A1:30–31

vs. depth, A5:45

foraminifers, benthic

biomediation, B12:9, 19, 22–23

biostratigraphy, A4:14; A5:10–11; A6:8; A7:11; A8:5; A9:14

stable isotope stratigraphy, B3:1–8; B4:1–8; B5:1–12 vs. depth, A5:45

foraminifers, cold water, abundance vs. depth, B11:16

foraminifers, deep water, abundance vs. depth, B11:17

foraminifers, planktonic

biostratigraphy, A4:13–14; A5:10; A6:7–8; A7:10–11; A8:5; A9:13–14; B8:1–43; B9:1–26

checklist, A4:93; A5:82; A6:57; A7:86–87; A8:39; A9:105–107

cyclic abundance spectrum, B11:19

distribution, B8:38–41

first and last occurrences, B8:35

middle Pleistocene, B11:1–21

monsoon, A1:12

stable isotope stratigraphy, B2:1–29; B4:1–8; B5:1–12; B19:14–15, 18–21

zonation, B8:3–7

See also pteropods/planktonic foraminifers ratio

foraminifers, warm water, abundance vs. depth, B11:15

forcing, precession, A1:11

Formation MicroScanner imagery

resistivity, A5:73; A7:71; A9:86

turbidite, A4:80

vs. lightness, A4:79

fractures, lithologic units, A9:10–11

G

gamma-ray logs

vs. depth, A1:74; A4:75, 77–78; A5:68–69, 71; A7:68, 70; A9:81–83

vs. gamma rays, A4:77

gamma rays, correlation, A5:30–32; A6:21–22; A7:31–34; A8:12; A9:36–40

paleoceanographic proxies, A1:13

sediments, A4:25

vs. depth, A4:35–37, 65; A5:56, 59; A6:41; A7:58; A8:25; A9:71

vs. gamma-ray logs, A4:77

gas hydrates, geochemistry, B13:5–6

gases, headspace, geochemistry, B13:4

gases, sediments, A9:17–18

Gauss/Matuyama boundary, sediments, A6:9

geochemistry

changes in time, B12:4–5

sediments, B12:1–25

geochemistry, inorganic

Site 1143, A4:20–23

Site 1144, A5:17–19

Site 1145, A6:13–15

Site 1146, A7:17–19

Site 1147, A8:7–9

Site 1148, A9:21–23

upper Pliocene, B12:25

geochemistry, organic

Site 1143, A4:18–20

Site 1144, A5:13–17

Site 1145, A6:11–13

Site 1146, A7:14–17

Site 1147, A8:7

Site 1148, A9:16–21

geochronology, foraminifer datums, B11:3–4

geothermal gradient

hydrocarbons, A1:32

sediments, A6:17; A7:22; A9:26

glaciation

alkenone stratigraphy, B17:1–17

clay geochemistry, B12:5–7

foraminifer datums, B11:4–5

oxygen isotopes, B4:1–8

paleoceanography, A1:9

paleoclimatology, B19:7–8

stratigraphy, B2:6–14

glauconite, green clay, B15:4

glauconitization, green clay, B15:4–8

global climate, Asian monsoon system, A1:1–77

Globigerina bulloides, vs. age, A1:48

Globigerinoides ruber, stable isotope stratigraphy, B2:1–29; B3:1–8; B19:14–15, 18–21

Globorotalia inflata. See *Globorotalia menardii*/*Globorotalia inflata* ratio

Globorotalia menardii/*Globorotalia inflata* ratio, vs. depth, A5:45

grain size

- coercivity remanence/coercivity ratio, B1:4
- green clay, B15:4, 20–21
- sediments, B19:4–5
- siliciclastics, B19:8–9
- standard deviation values vs. grain size class, B19:17
- volume percent of each grain size class of interglacial and glacial samples, B19:16
- vs. age, B19:15

grain size, mean, vs. age, B19:21

Great Asian Bank, paleoceanography, A1:8–10

Great Australian Bank, paleoceanography, A1:8–10

Greenland ice core GISP2, oxygen isotopes, B2:23

gypsum, paleoclimatology, A1:6–7

H

halite, paleoclimatology, A1:6–7

haptophyte algae, sediments, B18:5

heat flow, sediments, A4:26; A5:22; A6:17; A7:22; A9:26

Heinrich events, stratigraphy, B2:6–10

hemipelagic material

- paleoenvironment, A1:30–31
- sediments, A1:8

hiatuses, stratigraphy, B2:9–10

Himalayan–Tibetan orography, evolution, A1:4–7

Himalayan–Tibetan Plateau Complex, evolution, A1:5–7

Holocene

- oxygen isotope chronostratigraphy, B2:5
- See also* Miocene–Holocene interval

Holocene/Preboreal summer monsoon maximum, paleoceanography, A1:9

humic material, carbon isotopes, B20:6–7, 13

hydrocarbons

- geothermal gradient, A1:32
- sediments, A5:14–15; A7:14–15; A9:17–18
- vs. depth, A9:66

hydrocarbons, headspace, vs. depth, A7:54

hydrocarbons, volatile, sediments, A4:18

hydrogen index

- organic matter, A5:16; A9:20–21
- sediments, A5:88; A6:61; A7:95; A9:116
- vs. oxygen index, A9:67

hydrogen isotopes, pore water, B13:11

hysteresis, saturation magnetization, B1:3–4

I

illite

- nannofossil clay, B14:2
- paleoclimatic cyclicality, B22:3–4
- paleoclimatology, B19:6–7
- reflectance, B22:9
- sediments, B19:5
- vs. age, B19:18
- vs. depth, A5:40; A6:31; A7:44; A9:60; B14:5–6
- See also* smectite–illite mixed minerals; smectite/(illite + chlorite) ratio

illite/quartz ratio

- nannofossil clay, B14:2
- vs. depth, B14:7

impedance, acoustical

- reflectors, A2:3
- vs. seismic stratigraphy, A2:16, 21, 29, 35

iron, ferric, green clay, B15:4–5, 20–21

iron oxide

- clay geochemistry, B12:10
- sediments, B19:6
- vs. age, B12:24; B19:19

iron sulfide

- green clay, B15:4–7
- lithologic units, A9:6–7
- vs. depth, A7:45; A8:15; A9:52

iron sulfide, dispersed, vs. depth, A5:41

J

Jaramillo Subchron, sediments, A1:23; A6:10; A7:13; A8:6; A9:15

K

kaolinite

- lithologic units, A7:10
- nannofossil clay, B14:2
- paleoclimatic cyclicality, B22:3–4
- paleoclimatology, B19:7
- reflectance, B22:9
- sediments, B19:5
- vs. age, B19:18
- vs. depth, A7:44; A9:60; B14:5–6

kaolinite/chlorite ratio

- nannofossil clay, B14:2
- vs. depth, B14:7

kaolinite/quartz ratio, vs. depth, B14:7

kerogen, sediments, A4:96–99

Kuroshio Current

- paleoceanography, A1:9
- paleoclimatology, A1:14

L

laminations

- lithologic units, A4:10; A9:8
- photograph, A9:59

Laschamp Event, sediments, A1:19

Last Glacial Maximum

- oxygen isotope chronostratigraphy, B2:5
- paleoceanography, A1:8–10

leaf wax, sediments, B18:4

lightness

- carbonate-rich clay, A6:6–7; A7:80; A8:35; A9:93–96; B9:21
- lithologic units, A7:9
- vs. age, B19:21
- vs. depth, A4:41–43, 66; A6:27, 43; A7:43, 62; A8:15; A9:51, 53
- vs. Formation MicroScanner imagery, A4:79
- See also* reflectance

lipids, biomarkers, B18:5–6
 lipids, marine and terrigenous, sediments, B18:1–16
 lithium
 pore water, A4:22–23; A5:19; A6:14; A7:19; A8:8–9;
 A9:23; B13:3, 11
 vs. depth, A4:59; A5:57; A6:38; A7:56; A8:23; A9:68
 lithologic units
 Site 1143, A4:8–11
 Site 1144, A5:6–9
 Site 1145, A6:4
 Site 1146, A7:5–10
 Site 1147, A8:3–4
 Site 1148, A9:5–11
 Unit I, A4:8–10; A5:6–7; A6:4–7; A7:5–7; A8:3–4;
 A9:6–7
 Unit II, A7:7–8; A9:7
 Unit III, A7:8–9; A9:8
 Unit IV, A9:8
 Unit V, A9:8–9
 Unit VI, A9:9–10
 Unit VII, A9:10–11
 vs. age, A1:66
 lithology
 paleoenvironment, A1:30–31
 vs. depth, A1:55–56, 58, 60, 62, 64–65; A4:44; A5:39;
 A6:27; A7:43; A8:15; A9:52
 lithostratigraphy
 Site 1143, A4:8–11
 Site 1144, A5:6–9
 Site 1145, A6:4–7
 Site 1146, A7:5–10
 Site 1147, A8:3–4
 Site 1148, A9:5–12; B9:22
 Liyue Bank, sediments, A1:7–8
 Luzon Arc, tectonics, A1:4

M

magnesium
 pore water, A4:22; A5:18; A6:14; A7:18–19; A8:8;
 A9:22
 vs. calcium, A4:22, 59; A9:69
 vs. depth, A4:59; A5:57; A6:38; A7:56; A8:23; A9:68
 magnesium/aluminum ratio, nannofossil clay, B12:6–7
 magnesium oxide
 sediments, B19:6
 vs. age, B19:19
 magnetic anomalies, plate tectonics, A1:4
 magnetic declination
 sediments, A4:51
 vs. depth, A4:53–54; A5:47–48; A6:34; A7:50–52;
 A8:18–20; A9:62–63
 magnetic field, vs. depth, A5:70; A7:70; A9:82–83
 magnetic inclination, vs. depth, A4:53–55; A5:47–48;
 A6:34; A7:50–52; A8:18–20; A9:62–63
 magnetic intensity, vs. depth, A5:46
 magnetic intensity/magnetic susceptibility ratio, vs.
 depth, A5:50
 magnetic polarity
 age vs. depth, A6:58; A7:88; A8:40; A9:108
 remanent magnetization, A5:11–13
 magnetic properties, sediments, B1:1–8
 magnetic reversals, remanent magnetization, A5:11–13
 magnetic susceptibility
 correlation, A4:32–34; A5:5, 27–29; A6:3, 19–20;
 A7:27–30; A8:3, 11; A9:5, 31–35
 paleoceanographic proxies, A1:13
 sediments, A4:25; B1:2–3
 vs. depth, A1:55–56, 58, 60, 62, 64–65; A4:64; A5:46,
 60; A6:40; A7:57; A8:24
 See also magnetic intensity/magnetic susceptibility ra-
 tio
 magnetic susceptibility logs, vs. depth, A1:75; A5:72;
 A7:67, 69; A9:80, 84–85
 magnetization, normalized, sediments, A5:12–13
 major elements
 sediments, B19:6
 vs. age, B12:20–21; B19:19
 manganese, clay geochemistry, B12:10
 manganese/aluminum ratio
 clay geochemistry, B12:10
 vs. age, B12:24
 marine isotope stages
 foraminifers, B9:8–9
 oxygen isotope chronostratigraphy, B2:5–10; B19:14–
 15, 18–21
 position, B11:20
 marine isotope Stages 2–5, oxygen isotope chronostrati-
 graphy, B2:5–8
 marine isotope Stages 6–11, oxygen isotope chrono-
 stratigraphy, B2:8–9
 marine isotope Stages 12–25, oxygen isotope chrono-
 stratigraphy, B2:9
 marine isotope Stages 26–(?)34, oxygen isotope chrono-
 stratigraphy, B2:9–10
 “maritime continent,” paleoceanography, A1:8–10
 mass accumulation rates
 age vs. depth models, A5:83
 biogenic opal, B21:2–3
 planktonic foraminifers, B8:7–8
 sedimentation, A1:37–38
 Site 1143, A4:17–18
 Site 1144, A5:13
 Site 1145, A6:10
 Site 1146, A7:13–14
 Site 1147, A8:7
 Site 1148, A9:16
 vs. age, B8:36–37; B16:8; B19:14; B21:7
 vs. depth, A1:6, 55–56, 58, 60, 62, 64–65; A9:70; B1:6
 vs. linear sedimentation rates, A4:56; A5:51; A6:36;
 A7:53; A8:21; A9:64
 mass accumulation rates, carbonate
 vs. age, B21:7
 vs. linear sedimentation rates, A1:71–72
 mass accumulation rates, total
 vs. age, A1:71–72
 vs. linear sedimentation rates, A1:71–72
 mass flows, lithologic units, A9:11
 Matuyama Chron. *See* Brunhes/Matuyama boundary;
 Gauss/Matuyama boundary
 medium resistivity logs, vs. depth, A4:74, 78; A5:68–69;
 A7:67; A9:80

Mekong River, sediments, A1:8
methane
 carbon isotopes, B13:4, 15
 sediments, A1:24–25, 29; A4:18; A5:14–15, 84; A7:14–15, 90–91; A9:17–18, 110–112; B13:4
 vs. depth, A1:69; A5:52; B13:12
methane/ethane ratio
 sediments, A5:14–15; A7:14–15, 90–91; B13:4
 vs. depth, A7:54; A9:66
methane/(ethane + propane) ratio, vs. carbon isotopes of methane, B13:13
methyl ketones, sediments, B18:5, 9
microalgae, sediments, B18:3–5
microfaults, lithologic units, A4:10
microtektites, stratigraphy, B2:9
Mid-Pleistocene Revolution, foraminifer datums, B11:4–5
millennial variations
 monsoon, A1:12
 stratigraphy, B2:6–7
Mindanao Warm Current, paleoclimatology, A1:14
mineralogy, bulk
 green clay, B15:20–21
 lithologic units, A5:7–9
 sediments, B19:5
 vs. depth, A5:40; A7:44; A9:60
mineralogy, nannofossil clay, B14:1–10
Miocene
 biostratigraphy, A7:10–12; A9:12–14
 mass accumulation rates, B8:7–8
 nannofossil biostratigraphy, B10:7–8
 paleoclimatology, A1:7, 15–18
 planktonic foraminifer distribution, B9:23
 planktonic foraminifer ranges, B9:16
 planktonic foraminiferal biostratigraphy, B8:1–43; B9:1–26
 sedimentation rates, A7:14; A9:16; B10:10
 zonal boundaries, B9:25
 See also Oligocene/Miocene boundary; Oligocene–Miocene interval; Oligocene–Miocene transition
Miocene, lower
 dinoflagellate biostratigraphy, B7:1–29
 green clay layers, B7:1–29
 lithologic units, A7:8–9; A9:9–10
 sedimentation, A1:34–35
 siderite concretions, B13:5
Miocene, middle
 lithologic units, A7:7–9; A9:7–8
 sedimentation, A1:35
Miocene, upper
 biogenic opal, B21:1–12
 lithologic units, A4:8–10; A9:6–7
 nannofossils, A4:11–13
 sediment mineralogy, B14:1–10
 sedimentation, A1:35–36
Miocene/Pliocene boundary
 foraminifer datums, B9:6
 nannofossils, B10:9
Miocene–Holocene interval, summary, A1:15–18

Miocene–Pleistocene interval, summary, A1:22–25
Miocene–Pliocene interval, reticulofenestrids, A1:12
mixed-layer clays, vs. depth, A9:60
monsoon
 evolution, A1:4–7, 45, 51; B2:23
 global climate, A1:1–77
 millennial-scale variability, A1:12
 nannofossil clay, B12:4–11
 Neogene, A1:12
 paleoceanographic proxies, A1:13
 stages, A1:49
monsoon, summer, evolution, A1:10
monsoon, winter, evolution, A1:10–11
Monterey carbon positive excursion, stable isotope stratigraphy, B5:2
mottling
 carbonate-rich clay, A6:6–7
 lithologic units, A4:9–10; A5:7–9; A8:4
mudline, lithologic units, A6:4
muscovite, iron-rich, green clay, B15:14

N

n-alcohols, long-chain
 sediments, B18:4, 9
 vs. depth, B18:11–12
n-alkanes, long-chain
 sediments, B18:3, 9–10
 vs. depth, B18:11–12
n-fatty acids, long-chain, vs. depth, B18:11–12
nannofossil events, depths and ages, B10:23–24
nannofossils
 abundance around NP25/NN1 zonal boundary, B10:19
 chronostratigraphy, B10:16–17
 lithologic units, A4:8–10; A5:6–9; A7:5–9; A8:3–4; A9:6–11; B10:1–24
 paleoenvironment, A1:30–31
 photograph, A9:59
 vs. depth, A5:41, 44; A8:16
 zonal correlation, B10:18
nannofossils, calcareous
 biostratigraphy, A4:11–13; A5:9–10; A6:7; A7:10; A8:4–5; A9:12
 checklist, A4:91–92; A5:81; A6:56; A7:84–85; A8:38; A9:100–104
Nansha Terrain, tectonics, A1:4
Neogene
 alkenone stratigraphy, B17:1–17
 diatoms, B6:1–9
 monsoon, A1:12
 paleoclimatology, A1:7
 sediments, A1:24–25
 stable isotope stratigraphy, B3:3; B4:1–8; B5:1–12
neotectonics, green clay, B15:16
nickel
 clay geochemistry, B12:10
 green clay, B15:6–7
nickel/aluminum ratio, vs. age, B12:24
nitrogen. *See* carbon/nitrogen ratio

nitrogen, total
 sediments, A4:96–99; A5:85–87; A6:60; A7:92–94;
 A8:7, 42; A9:19–20, 113–115
 vs. total organic carbon, A5:55
 North Atlantic climate change, paleoceanography, A1:9

O

Oeschger Events. *See* Dansgaard–Oeschger Events
 Olduvai Subchron, sediments, A1:23; A6:9; A7:13; A9:15
 Oligocene
 biostratigraphy, A9:12–14
 dinoflagellate biostratigraphy, B7:1–29
 paleoclimatology, A1:6–7
 planktonic foraminifer distribution, B9:15
 planktonic foraminifer ranges, B9:17
 planktonic foraminiferal biostratigraphy, B9:1–26
 sedimentation, A1:33–34
 sedimentation rates, A9:16; B10:10
 unconformities, B9:18
 Oligocene, lower
 lithologic units, A9:10–11
 nannofossil biostratigraphy, B10:5–7
 Oligocene, upper, lithologic units, A9:9–10
 Oligocene/Miocene boundary
 dinoflagellates, B7:7–8
 nannofossil biostratigraphy, B10:6–7
 nannofossil marker species, B10:20
 sedimentation, A1:34
 Oligocene–Miocene interval, paleoceanography, B9:8–9
 Oligocene–Miocene transition, unconformities, B10:10
 ooze, bluish green pyrite-rich nannofossil, lithologic
 units, A7:8
 ooze, clayey nannofossil, lithologic units, A7:5–9
 ooze, foraminifer, lithologic units, A4:8–10
 ooze, lithologic units, A6:4–5
 ooze, nannofossil, lithologic units, A9:8
 opal, biogenic
 mass accumulation rates, B21:2–3, 7
 upper Miocene–Quaternary, B21:1–12
 vs. age, B21:7
 opal, sediments, A1:8
 organic matter
 carbon isotopes, B20:1–13
 carbon/nitrogen ratio, A5:16; A6:12–13; A7:16;
 A9:20–21
 green clay, B15:5–8
 paleoenvironment, A1:31
 overprints, magnetization, A4:17
 oxygen index
 organic matter, A5:16
 sediments, A5:88; A6:61; A7:95; A9:116
 vs. hydrogen index, A9:67
 oxygen isotope stage boundary 2/1, organic carbon,
 A5:15
 oxygen isotope stage boundary 6/5e, organic carbon,
 A5:15
 oxygen isotopes
 biomediation, B12:9
 chronostratigraphy, B2:4–10

foraminifers, B3:1–8; B4:1–8
Globigerinoides ruber, B2:1–29
 pore water, B13:4
 vs. age, B2:23–24; B3:6; B4:5; B5:6–7; B11:14, 18;
 B12:19, 22–23; B15:16; B17:15; B19:14–15
 vs. depth, B2:21; B3:5; B4:6; B5:5; B9:21; B13:11
 paleoceanographic proxies, monsoon, A1:13
 paleoceanography
 Oligocene–Miocene, B9:8–9
 sediments, A1:8–10
 Paleocene, paleoclimatology, A1:6–7
 paleoclimatic cyclicity, Pleistocene, B22:1–10
 paleoclimatology
 alkenone stratigraphy, B17:1–17
 biomarkers, B18:5–6
 bulk and clay mineralogy, B19:6–9
 comparison of Northern and Southern South China
 Sea, B11:8
 evolution, A1:4–7, 51
 planktonic foraminifers, B11:1–21
 Quaternary, B2:13–15
 paleoenvironment, sedimentation, A1:29–37; B15:1–23
 Paleogene. *See* Cretaceous–Paleocene sequence
 paleomagnetism
 Site 1143, A4:15–17
 Site 1144, A5:11–13
 Site 1145, A6:8–10
 Site 1146, A7:12–13
 Site 1147, A8:5–6
 Site 1148, A9:15
 paleoproductivity
 mass accumulation rates, B21:3
 sediments, B18:5–6
See also productivity
Paralia sulcata, vs. depth, B6:7
 paramagnetic minerals, magnetic susceptibility, B1:2–3
 Pearl River, sediments, A1:8; B19:6
 Pearl River Mouth Basin
 sediments, A1:7–8
 stratigraphy, A1:50
 pellets, fecal, photograph, A6:28
 pentane, sediments, A9:18, 110–112
 petroleum, organic matter, A9:20–21
 pH
 pore water, A4:21; A5:18; A6:13–14; A7:18; A8:8;
 A9:22
 vs. depth, A7:56
 Philippine Sea Plate, collision, A1:4
 phosphate
 pore water, A4:21; A5:18; A6:13–14; A7:18; A8:8;
 A9:22
 vs. depth, A4:59; A5:57; A6:38; A7:56; A8:23; A9:68
 phosphorus, authigenic, green clay, B15:4–5, 20–21
 phosphorus, detrital, green clay, B15:4–5
 phosphorus, iron-bound, green clay, B15:4–5, 20–21
 phosphorus, organic-bound, green clay, B15:4–5
 phosphorus/aluminum ratio
 biomediation, B12:9–10
 vs. age, B12:23

- photoelectric effect logs, vs. depth, A1:75; A4:78; A5:72; A7:69; A9:84–85
- physical properties
 Site 1143, A4:23–26
 Site 1144, A5:19–22
 Site 1145, A6:15–17
 Site 1146, A7:19–22
 Site 1147, A8:9
 Site 1148, A9:23–26
- physical properties unit interval 1, sediments, A7:20; A9:24
- physical properties unit interval 2, sediments, A7:20; A9:24
- physical properties unit interval 3, sediments, A7:20–21; A9:24–25
- physical properties unit interval 4, sediments, A7:21; A9:25
- physical properties unit interval 5, sediments, A7:21–22; A9:25
- physical properties unit interval 6, sediments, A9:25
- physical properties unit interval 7, sediments, A9:25
- physical properties unit interval 8, sediments, A9:25
- plagioclase
 green clay, B15:4
 lithologic units, A9:11
 nannofossil clay, B14:2
 vs. depth, A5:40; A6:31; A7:44; A9:60; B14:5–6
- Planolites*, lithologic units, A9:8–11
- plate tectonics, seafloor spreading, A1:4
- plateaus, evolution, A1:5–7
- Pleistocene
 biostratigraphy, A5:9–11; A8:4–5; A9:12–14
 green clay layers, B15:1–23
 lithologic units, A4:8–10; A5:6–9; A7:5–7; A8:3–4; A9:6–7
 nannofossil biostratigraphy, B10:9–10
 paleoclimatic cyclicity, B22:1–10
 sediment mineralogy, B14:1–10
 sedimentation, A1:36–37
 sedimentation rates, A5:13; A7:14; A9:16; B10:10
 sediments, A1:18–20; B19:1–21
 stable isotope stratigraphy, B2:13–15
 See also Mid-Pleistocene Revolution; Miocene–Holocene interval; Miocene–Pleistocene interval; Pliocene/Pleistocene boundary
- Pleistocene, middle, paleoclimatology, B11:1–21
- Pliocene
 biogenic opal, B21:1–12
 biostratigraphy, A7:10–12; A9:12–14
 lithologic units, A4:8–10; A9:6–7
 nannofossil biostratigraphy, B10:8–9
 nannofossils, A4:11–13
 sediment mineralogy, B14:1–10
 sedimentation, A1:36–37
 sedimentation rates, A7:14; A9:16; B10:10
 sediments, A1:21; B12:1–25
 See also Miocene–Holocene interval; Miocene–Pleistocene interval; Miocene/Pliocene boundary; Miocene–Pliocene interval
- Pliocene, upper
 biostratigraphy, A6:7–8
- diatoms, B6:1–9
 green clay layers, B15:1–23
 inorganic geochemistry, B12:25
 lithologic units, A6:4–7; A7:5–7
- Pliocene/Pleistocene boundary
 biostratigraphy, A9:14
 nannofossil biostratigraphy, B10:9
 nannofossils, A4:12
 paleoclimatology, A1:15–18
- pore water
 geochemistry, A1:31–32; A4:100; A5:92–93; A6:62; A7:96; A8:42; A9:117; B13:1–15
 salinity, B13:5–6
- porosity
 green clay, B15:20–21
 sediments, A4:23–24; A5:20–21; A6:15–16
 vs. depth, A1:56, 58, 60, 62, 64–65; A4:63; A5:62; A6:42; A7:61; A8:27; A9:73
- porosity logs
 vs. bulk density logs, A5:70
 vs. depth, A4:73–74; A5:68–69; A7:67, 70; A9:80, 82–83
- potassium
 pore water, A4:21–22; A5:18; A6:14; A7:18–19; A8:8; A9:23
 vs. depth, A4:59; A5:57; A6:38; A7:56; A8:23; A9:68
 See also aluminum/potassium ratio
- potassium/aluminum ratio
 nannofossil clay, B12:6–7
 vs. age, B12:21
- potassium feldspar, green clay, B15:4
- potassium logs, vs. depth, A4:75; A5:71; A7:68; A9:81
- potassium oxide
 nannofossil clay, B12:5
 sediments, B19:6
 vs. age, B12:20; B19:19
 See also silica/potassium oxide ratio
- potassium oxide/aluminum oxide ratio
 sediments, B19:6
 vs. age, B19:20
- Preboreal summer monsoon maximum. See Holocene/Preboreal summer monsoon maximum
- precession, forcing, A1:11
- preservation
 planktonic foraminifers, B9:4–5
 vs. depth, A8:16
- production index, sediments, A5:88; A6:61; A7:95; A9:116
- productivity
 biomediation, B12:8–10
 diatoms, B6:1–9
 See also paleoproductivity
- propane
 carbon isotopes, B13:15
 sediments, A7:90–91; A9:17–18, 110–112; B13:4
 vs. depth, B13:12
 See also methane/(ethane + propane) ratio
- provenance
 nannofossil clay, B12:6–7
 sediments, B19:6
- Pseudoemiliana lacunosa*, vs. depth, A5:44

pteropods, lithologic units, A6:5; A7:5–9
pteropods/planktonic foraminifers ratio, vs. depth,
A5:45; A6:33

pyrite
green clay, B15:4–7
lithologic units, A5:7–9; A6:5; A7:6, 8; A8:4; A9:6–7,
10–11
photograph, A6:28; A7:47
vs. depth, A7:45; A8:15; A9:52
pyrite, macrocrystalline, vs. depth, A5:41

Q

quartz
chemical index of alteration, B19:7–8
green clay, B15:4
lithologic units, A8:3–4; A9:6–7, 11
nannofossil clay, B14:2
paleoclimatology, B19:6–7
sediments, B19:5
vs. age, B19:18, 21
vs. depth, A5:40; A6:31; A7:44; A9:60; B14:5–6
See also calcium oxide–quartz–clay minerals; chlorite/
quartz ratio; illite/quartz ratio; kaolinite/quartz
ratio; smectite/quartz ratio

Quaternary
biogenic opal, B21:1–12
biostratigraphy, A6:7–8; A7:10–12
diatoms, B6:1–9
lithologic units, A6:4–7
nannofossils, A4:11–13
paleoceanography, A1:9
paleoclimatology, B2:13–15
sediments, A1:20–22
See also Miocene–Holocene interval

R

radiolarians, lithologic units, A6:4; A7:6
red parameter, vs. depth, A6:27; A7:43; A8:15; A9:51;
B9:21
Red River, sediments, A1:8
Red River fault zone, tectonics, A1:4
redox, clay geochemistry, B12:10, 24
reduction
green clay, B15:5–8
pore water, A6:13–14
Reed Bank
sediments, A1:7–8
See also Liyue Bank
reflectance
clay mineralogy, B22:9
correlation, A4:41–43; A5:36–38; A6:25–26; A7:39–42;
A8:14; A9:46–50; B22:9
intervals of lighter colored sediments, A6:53
paleoceanographic proxies, A1:13
sediments, A4:25; A5:21; A6:16
vs. depth, A1:55–56, 58, 60, 62, 64–65; A4:66; A5:63;
A6:43; A7:62; A8:28; A9:53, 74
See also lightness

reflectors
impedance, A2:3
sediments, A1:7–8; A2:1–37
remanence ratio, vs. depth, B1:7
remanent magnetization, anhysteretic
sediments, B1:3
vs. depth, B1:6
remanent magnetization, natural, sediments, A4:15–17;
A5:11–13; A6:8–10; A7:12–13; A8:5–6; A9:15
remanent magnetization, saturation, vs. depth, B1:7
remanent magnetization, saturation/saturation magneti-
zation ratio, vs. depth, B1:7
resistivity, Formation MicroScanner imagery, A5:73;
A7:71; A9:86
resistivity logs
vs. depth, A4:73–74; A5:68–69; A7:67; A9:80
See also deep resistivity logs; medium resistivity logs
Reticulofenestra asanoi, vs. depth, A5:44
reticulofenestrids, Miocene/Pliocene sequence, A1:12
reworking, green clay, B15:7–8
rifting, lithologic units, A9:11
rubidium/aluminum ratio
nannofossil clay, B12:7
vs. age, B12:21
runoff
nannofossil clay, B12:7
vs. age, A1:48
Rupelian, dinoflagellates, B7:7–8

S

Sahul Bank, paleoceanography, A1:8–10
salinity
pore water, A4:20; A5:17–18; A6:13; A7:17–18; A8:8;
A9:21–22; B13:4–6, 11
vs. depth, A4:59; A5:57; A6:38; A7:56; A8:23; A9:68
sandstone, photograph, A9:59
saturation magnetization
hysteresis, B1:3–4
vs. depth, B1:7
seafloor spreading, plate tectonics, A1:4
sea-level changes
clay geochemistry, B12:7
green clay, B15:16
lithologic units, A9:11
sediment flux, vs. age, A1:48
sedimentation
history, A1:32–37
paleoenvironment, A1:29–37
summary, A1:25–29
sedimentation rates
age vs. depth, A6:59; A7:89; A8:41; A9:109
age vs. depth models, A4:94; A5:83
biogenic opal, B21:3
biostratigraphy, A4:17–18; A6:8; A7:12; A8:7; A9:14;
B2:10–11
chronostratigraphy, A5:13
Miocene, B10:10
Oligocene, B10:10
planktonic foraminifers, B8:7–8

- Pleistocene, A5:13; B10:10
- Pliocene, B10:10
- Site 1143, A4:17–18
- Site 1144, A5:13; B2:10–11, 25
- Site 1145, A6:10
- Site 1146, A7:13–14
- Site 1147, A8:7
- Site 1148, A9:16
- vs. depth, B10:21
- sedimentation rates, linear
 - vs. carbonate mass accumulation rates, A1:71–72
 - vs. mass accumulation rates, A4:56; A5:51; A6:36; A7:53; A8:21; A9:64
 - vs. total mass accumulation rates, A1:71–72
- sediments
 - basins, A1:7–8
 - clay and bulk mineralogy, B19:5
 - geochemistry, B12:1–25
 - magnetic properties, B1:1–8
 - mineralogy, B14:1–10
 - Pleistocene, B19:1–21
 - stable isotope stratigraphy, B4:1–8
 - thickness, A4:95
 - vs. depth, A4:44
- seismic profiles
 - Site 1143, A1:54; A2:12–16
 - Site 1144, A1:57; A2:18–20
 - Site 1145, A1:59; A2:22–23
 - Site 1146, A1:61; A2:24–28
 - Site 1147, A1:63; A2:31–34
 - Site 1148, A1:63; A2:30–34
- seismic reflection, summary, A2:1–37
- seismic stratigraphy
 - Site 1143, A2:4–5
 - Site 1144, A2:5–6
 - Site 1145, A2:6–7
 - Site 1146, A2:7–8
 - Site 1147, A2:8–9
 - Site 1148, A2:8–9
 - summary, A2:1–37
 - vs. acoustical impedance, A2:16, 21, 29, 35
- shelf basins, tectonics, A1:4
- shell fragments, lithologic units, A6:5
- siderite, authigenic, concretion geochemistry, B13:1–15
- silica
 - nannofossil clay, B12:1–25
 - pore water, A1:31–32; A4:21–22; A5:19; A6:14–15; A7:19; A8:8–9; A9:23
 - sediments, B19:6
 - vs. age, B12:19–20; B19:19
 - vs. depth, A1:67; A4:59; A5:57; A6:38; A7:56; A8:23; A9:68
- silica, biogenic
 - lithologic units, A6:5
 - vs. depth, A9:51
- silica, opaline, ternary diagram, B12:17
- silica/aluminum oxide ratio
 - chemical index of alteration, B19:7–8
 - sediments, B19:6
 - vs. age, B19:20–21
- silica/potassium oxide ratio
 - sediments, B19:6
 - vs. age, B19:20
- siliceous microfossils, vs. depth, A5:45; A6:33
- siliceous organisms, vs. depth, A5:41
- siliciclastics
 - grain size, B19:8–9
 - lithologic units, A6:5–6
 - Pleistocene, B19:4–5
- silicoflagellates, lithologic units, A6:5; A7:6
- silicon/aluminum ratio
 - nannofossil clay, B12:5
 - vs. age, B12:20
- silt, nodular, lithologic units, A6:6
- silt, quartz, lithologic units, A5:6–9
- silt fraction, siliciclastics, B19:8–9
- Site 849, oxygen isotopes, B15:16
- Site 1143, A4:1–103
 - background and objectives, A4:1–2
 - biogenic opal, B21:1–12
 - biostratigraphy, A4:11–14
 - carbonate and organic carbon, B16:1–9
 - composite depth, A4:84
 - composite section, A4:6–7
 - coring summary, A4:81–83
 - diatoms, B6:1–9
 - foraminiferal biostratigraphy, B8:1–43
 - inorganic geochemistry, A4:20–23
 - interval length between green clay events, B15:16
 - lithostratigraphy, A4:8–11
 - operations, A4:3–6
 - organic geochemistry, A4:18–20
 - organic matter carbon isotopes, B20:1–13
 - paleomagnetism, A4:15–17
 - physical properties, A4:23–26
 - sediment geochemistry, B12:1–25
 - sedimentation and accumulation rates, A4:17–18
 - seismic stratigraphy, A2:4–5
 - site description, A4:1–103
 - splice tie points, A4:85
 - summary, A1:15–18
 - wireline logging, A4:26–29
- Site 1144, A5:1–97
 - background and objectives, A5:1–3
 - biostratigraphy, A5:9–11
 - composite depths, A5:77
 - composite section, A5:4–6
 - coring summary, A5:74–76
 - high-resolution stable isotope stratigraphy, B2:1–29
 - inorganic geochemistry, A5:17–19
 - lithostratigraphy, A5:6–9
 - magnetic properties, B1:1–8
 - operations, A5:3–4
 - organic geochemistry, A5:13–17
 - organic matter carbon isotopes, B20:1–13
 - paleomagnetism, A5:11–13
 - physical properties, A5:19–22
 - planktonic foraminifers, B11:1–21
 - sedimentation and accumulation rates, A5:13
 - sediments, B19:1–21

- seismic stratigraphy, A2:5–6
- site description, A5:1–97
- splice tie points, A5:78
- summary, A1:18–20
- wireline logging, A5:22–24
- Site 1145, A6:1–63
 - background and objectives, A6:1–2
 - biostratigraphy, A6:7–8
 - composite depths, A6:51
 - composite section, A6:3–4
 - coring summary, A6:48–50
 - inorganic geochemistry, A6:13–15
 - interval length between green clay events, B15:16
 - lithostratigraphy, A6:4–7
 - operations, A6:2–3
 - organic geochemistry, A6:11–13
 - paleomagnetism, A6:8–10
 - physical properties, A6:15–17
 - sedimentation and accumulation rates, A6:10
 - seismic stratigraphy, A2:6–7
 - site description, A6:1–63
 - splice tie points, A6:52
 - summary, A1:20–22
- Site 1146, A7:1–101
 - background and objectives, A7:1–2
 - biostratigraphy, A7:10–12
 - calcareous nannofossil biostratigraphy, B10:1–24
 - carbonate and organic carbon, B16:1–9
 - composite depths, A7:76–77
 - composite section, A7:4–5
 - coring summary, A7:72–75
 - foraminiferal biostratigraphy, B8:1–43
 - inorganic geochemistry, A7:17–19
 - interval length between green clay events, B15:16
 - lithostratigraphy, A7:5–10
 - Miocene–Pleistocene sediment mineralogy, B14:1–10
 - operations, A7:3–4
 - organic geochemistry, A7:14–17
 - organic matter carbon isotopes, B20:1–13
 - paleomagnetism, A7:12–13
 - physical properties, A7:19–22
 - Pleistocene paleoclimatic cyclicity, B22:1–10
 - pore water geochemistry, B13:1–15
 - sedimentation and accumulation rates, A7:13–14
 - seismic stratigraphy, A2:7–8
 - site description, A7:1–101
 - splice tie points, A7:78–79
 - stable isotope stratigraphy, B3:1–8
 - summary, A1:22–25
 - wireline logging, A7:22–25
- Site 1147, A8:1–43
 - alkenone stratigraphy, B17:1–17
 - background and objectives, A8:1
 - biostratigraphy, A8:4–5
 - calcareous nannofossil biostratigraphy, B10:1–24
 - composite depths, A8:33
 - composite section, A8:2–3
 - coring summary, A8:31–32
 - inorganic geochemistry, A8:7–9
 - lithostratigraphy, A8:3–4
 - operations, A8:2
 - organic geochemistry, A8:7
 - paleomagnetism, A8:5–6
 - physical properties, A8:9
 - sedimentation and accumulation rates, A8:7
 - seismic stratigraphy, A2:8–9
 - site description, A8:1–43
 - splice tie points, A8:34
 - stable isotope stratigraphy, B5:1–12
 - summary, A1:25–29
- Site 1148, A9:1–122
 - alkenone stratigraphy, B17:1–17
 - background and objectives, A9:1–3
 - biostratigraphy, A9:12–14; B9:20
 - calcareous nannofossil biostratigraphy, B10:1–24
 - composite depths, A9:91
 - composite section, A9:5
 - coring summary, A9:87–90
 - dinoflagellate stratigraphy, B7:1–29
 - inorganic geochemistry, A9:21–23
 - interval length between green clay events, B15:16–17
 - lithostratigraphy, A9:5–12
 - marine and terrigenous lipids, B18:1–16
 - operations, A9:3–4
 - organic geochemistry, A9:16–21
 - organic matter carbon isotopes, B20:1–13
 - paleomagnetism, A9:15
 - physical properties, A9:23–26
 - planktonic foraminifer biostratigraphy, B9:1–26
 - sedimentation and accumulation rates, A9:16
 - seismic stratigraphy, A2:8–9
 - site description, A9:1–122
 - splice tie points, A9:92
 - stable isotope stratigraphy, B5:1–12
 - summary, A1:25–29
 - wireline logging, A9:26–29
- slumps, lithologic units, A4:9; A9:11
- smectite
 - green clay, B15:4
 - lithologic units, A7:9
 - nannofossil clay, B14:2
 - paleoclimatic cyclicity, B22:3–4
 - paleoclimatology, B19:7
 - reflectance, B22:9
 - sediments, B19:5
 - vs. age, B19:18
 - vs. depth, A5:40; A6:31; A7:44; A9:60; B14:5–6
 - See also* chlorite–smectite mixed minerals
- smectite/(illite + chlorite) ratio
 - paleoclimatology, B19:7
 - reflectance, B22:9
 - sediments, B19:5
 - vs. age, B19:18
- smectite/quartz ratio, vs. depth, B14:7
- smectite–illite mixed minerals
 - green clay, B15:4, 14
 - paleoclimatic cyclicity, B22:3–4
- sodium, pore water, B13:4
- sodium oxide
 - sediments, B19:6
 - vs. age, B19:19
- soft sediment deformation, photograph, A9:57

solar radiation, evolution, A1:4–7
South China Sea
 global climate, A1:1–77
 green clay layers, B15:1–23
splice tie points
 Site 1143, A4:6–7, 85
 Site 1144, A5:78
 Site 1145, A6:52
 Site 1146, A7:78–79
 Site 1147, A8:34
 Site 1148, A9:92
sponge spicules, lithologic units, A5:8–9; A6:4; A7:6
stable isotope stratigraphy, sediments, B2:1–29; B3:1–8;
 B4:1–8; B5:1–12
stratification, water column, B11:89
stratigraphy
 Cenozoic, A1:50
 stable isotopes, B3:1–8
stratigraphy, marine, vs. terrestrial stratigraphy, A1:12–
 13, 48
stratigraphy, terrestrial, vs. marine stratigraphy, A1:12–
 13, 48
strontium
 clay geochemistry, B12:10
 green clay, B15:5
 pore water, A4:22–23; A5:19; A6:14; A7:19; A8:8–9;
 A9:23
 vs. depth, A4:59; A5:57; A6:38; A7:56; A8:23; A9:68
subduction, Borneo, A1:4
submillennial-scale variations, stratigraphy, B2:6–7
subtropical fauna, monsoon, A1:12
sulfate
 pore water, A1:31–32; A4:21; A5:17–18; A6:13; A7:18;
 A8:8; A9:22; B13:11
 vs. depth, A4:59; A5:57; A6:38; A7:56; A8:23; A9:68
sulfur, total, sediments, A4:19, 96–99; A5:15–16, 85–87;
 A6:11, 60; A7:16–17, 92–94; A8:7, 42; A9:20, 113–
 115
sulfur/carbon ratio, sediments, A9:113–115
Sunda Shelf, paleoceanography, A1:8–10

T

Taiwan Island, tectonics, A1:4
tectonics, Asia E, A1:3–4, 47
temperature
 alkenone stratigraphy, B17:1–17
 sediments, A8:9
 vs. depth, A1:68; A4:70–71; A5:65–66; A6:46–47;
 A7:64–65; A9:77–78
 vs. time, A8:30
temperature, sea-surface
 foraminifer datums, B11:4–5
 paleoceanography, A1:8–9; B17:11
 vs. age, B11:18; B17:13, 15
 vs. depth, B18:14
tephra, photograph, A9:54
Termination Event I, organic carbon, A5:15
Termination Event II, organic carbon, A5:15
terrigenous material
 composition, A6:6
 geochemistry, B12:5–8, 20–21

sedimentation, A1:36–37
sediments, A1:8
Tethys, Cretaceous–Paleocene sequence, A1:3–4
Thalassionema nitzschioides, vs. depth, B6:7
thermal conductivity
 sediments, A4:26, 101–102; A5:21, 94–96; A6:16–17,
 63; A7:22, 97–100; A9:26, 118–120
 vs. bulk density, A4:68
 vs. depth, A4:67; A5:64; A6:45; A7:63; A9:76
thermocline, foraminifer datums, B11:7
thorium logs, vs. depth, A4:75; A5:71–72; A7:68–69;
 A9:81, 84–85
Tibetan Plateau, uplift, A1:3–4
titanium/aluminum ratio
 nannofossil clay, B12:5
 vs. age, B12:21
titanium oxide
 nannofossil clay, B12:5–6
 sediments, B19:6
 vs. age, B12:20, 22; B19:19
 vs. aluminum oxide, B12:18
trace elements
 clay geochemistry, B12:10
 vs. age, B12:20–21
trans-Himalayan volcanic arc, Cretaceous–Paleocene se-
 quence, A1:3–4
transgression, sedimentation, A1:34–35
tropical fauna, monsoon, A1:12
troposphere, evolution, A1:4–7
turbidite
 Formation MicroScanner imagery, A4:80
 lithologic units, A4:8–10; A9:8
 photograph, A4:49
 sedimentation rates, A4:17–18
 sediments, A4:87–89
turbidite, carbonate, photograph, A9:55
turbidite, foraminifer
 lithologic units, A6:6
 photograph, A7:46

U

unconformities
 foraminifer datums, B9:7–8
 Oligocene, B9:18
 Oligocene–Miocene transition, B10:10
 photograph, A4:47
uplifts
 erosion, A1:11
 Tibetan Plateau, A1:3–4
Upper Pacific Deep Water, paleoclimatology, B2:13
upper water stratification, foraminifer datums, B11:7
uranium logs, vs. depth, A4:75; A5:71; A7:68; A9:81
Uvigerina peregrina, stable isotope stratigraphy, B3:1–8;
 B17:15

V

vanadium/aluminum ratio, vs. age, B12:24
velocity logs
 vs. compressional wave velocity, A4:76

- vs. depth, A1:74; A4:73–74; A5:68–69; A7:67, 70; A9:80, 82–83
- Vietnam, climate, A1:10
- volcanic ash
 - green clay, B15:15
 - lithologic units, A4:9–10; A5:8; A7:7–8; A8:4; A9:7–8
 - paleoenvironment, A1:30
 - photograph, A4:48; A6:30; A7:46
 - sediments, A4:86; A5:79; A6:54; A7:81; A8:36; A9:97
 - vs. depth, A5:42
- volcaniclastics
 - green clay, B15:5–8, 15
 - lithologic units, A6:5–6; A7:7; A8:4

W

- warm/cold water ratio, vs. depth, B11:14
- water/sediment interface, green clay, B15:6–7
- water currents, nannofossil clay, B12:7–8
- weathering
 - nannofossil clay, B12:6
 - uplifts, A1:11
- weathering, chemical
 - nannofossil clay, B14:2–3
 - paleoclimatology, B19:7
- well-log unit interval 1, sediments, A4:28–29; A7:23–24; A9:27–28
- well-log unit interval 2, sediments, A4:29; A7:24; A9:28
- well-log unit interval 3, sediments, A7:24; A9:28
- well-log unit interval 4, sediments, A7:24–25; A9:28
- well-log unit interval 5, sediments, A9:28
- well-log unit interval 6, sediments, A9:28–29
- well-logging, summary, A4:72, 103; A5:67, 97; A7:66, 101; A9:79, 121
- Western Pacific Warm Pool
 - paleoceanography, A1:8

- paleoclimatology, A1:14
- wind, evolution, A1:45
- wireline logging
 - Site 1143, A4:26–29
 - Site 1144, A5:22–24
 - Site 1146, A7:22–25
 - Site 1148, A9:26–29
- wood fragments
 - carbon isotopes, B20:6, 13
 - lithologic units, A6:5
 - photograph, A6:29

X

- X-ray diffraction data, lithologic units, A9:11
- xenophyophorians, lithologic units, A7:6
- Xisha–Zongsha Terrain, tectonics, A1:4

Y

- Yangtze River. *See* Changjiang River
- Younger Dryas, oxygen isotope chronostratigraphy, B2:5

Z

- zirconium/aluminum ratio, vs. age, B12:21
- zonation
 - diatoms, B6:6
 - dinoflagellates, B7:5–9, 23
 - foraminifer datums, B9:5–6
 - planktonic foraminifers, B8:3–7, 32
- Zone A, biostratigraphy, B7:5–7, 9–10, 26–27
- Zone B, biostratigraphy, B7:7–8, 10–12, 23, 26, 28
- Zoophycos*
 - lithologic units, A4:9–10; A7:8–9; A9:8–11
 - photograph, A7:48
 - sediments, A1:27

TAXONOMIC INDEX**A**

- abies*, *Sphenolithus*
 - Site 1143, A4:12
 - Site 1146, A7:10
- abies/neoabies*, *Sphenolithus*
 - Site 1146, B10:9
 - Site 1148, B10:9
- Achomosphaera callosa*, Site 1148, B7:7
- Achomosphaera crassipellis*, Site 1148, B7:5
- acostaensis*, *Neogloboquadrina*
 - Site 1143, A4:14; B8:5
 - Site 1146, A7:11; B8:5
 - Site 1148, A9:13; B9:4–5
- actinocoronata*, *Reticulosphaera*, Site 1148, B7:5, 9, 11–12
- Actinocyclus ellipticus*, Site 1143, B6:7
- Actinocyclus moronensis*, Site 1143, B6:2
- Actinomma* sp., South China Sea, A1:48
- aculeatum*, *Impagidinium*, Site 1148, B7:11
- acutus*, *Ceratolithus*
 - Site 1143, A4:12, 14
 - Site 1146, B10:8–9
- Site 1148, B10:8–9
- altiapertura*, *Globigerinoides*, Site 1148, B9:8
- altispira*, *Globoquadrina*
 - Site 1146, A7:11
 - Site 1148, B9:4–5
- altus*, *Chiasmolithus*, Site 1148, B10:6
- Amaurolithus amplificus*
 - Site 1143, A4:12
 - Site 1146, B10:8
 - Site 1148, B10:8
- Amaurolithus primus*
 - Site 1143, A4:12
 - Site 1146, B10:8
 - Site 1148, B10:8
- Amaurolithus* spp., Site 1146, B10:9
- Amaurolithus tricorniculatus*
 - Site 1146, B10:9
 - Site 1148, B10:9
- amoenum*, *Phthanoperidinium*, Site 1148, B7:5–6, 9, 12
- ampliaperta*, *Helicosphaera*
 - Site 1146, B10:7

Site 1148, B10:7
ampliapertura, *Turborotalia*, Site 1148, A9:14
amplificus, *Amaurolithus*
 Site 1143, A4:12
 Site 1146, B10:8
 Site 1148, B10:8
ancyreum, *Cleistosphaeridium*, Site 1148, B7:5–7, 9, 11–12
angulisuturalis, *Globoturborotalita*, Site 1148, A9:14
Apteodinium nanhaicum, Site 1148, B7:5
Apteodinium spiridoides, Site 1148, B7:11
arcuata, *Enneadocysta*, Site 1148, B7:5, 9–12
articulata, *Wetzeliella*, Site 1148, B7:5–6, 9, 12
asanoi, *Reticulofenestra*
 Site 1144, A5:9, 44; B2:13
 Site 1146, B10:9
 Site 1148, B10:9
Ascostomocystis granosa, Site 1148, B7:11
aspinatum, *Membranophoridium*, Site 1148, B7:5–6, 12
asymmetricus, *Discoaster*
 Site 1143, A4:12
 Site 1146, B10:9
 Site 1148, B10:9
aubryae, *Cousteaudinium*, Site 1148, B7:11
Azpeitia nodulifer, Site 1143, B6:3, 7

B

Beella digitata, Site 1143, A4:13
belemnus, *Sphenolithus*
 Site 1143, A4:13
 Site 1146, A7:10; B10:7
 Site 1148, B10:7
berggrenii, *Discoaster*
 Site 1143, A4:13
 Site 1146, B10:8
 Site 1148, B10:8
bijugatus, *Zygrhablithus*, Site 1148, A9:12; B9:7; B10:6
binaiensis, *Globoquadrina*
 Site 1146, A7:11
 Site 1148, B9:5
bisectus, *Reticulofenestra*, Site 1148, A9:12; B9:7; B10:6
brouweri, *Discoaster*
 Site 1143, A4:12, 14
 Site 1144, B2:5, 10
 Site 1145, A6:7
 Site 1146, A7:12; B10:9
 Site 1148, A9:14; B10:9
bulloides, *Globigerina*
 Site 1144, B11:6–7, 9
 South China Sea, A1:48

C

Calcidiscus macintyreii
 Site 1143, A4:12
 Site 1145, A6:7
 Site 1148, A9:14; B10:9
callosa, *Achomospaera*, Site 1148, B7:7
calyculus, *Catinaster*
 Site 1146, B10:8
 Site 1148, B9:5; B10:8

campanula, *Heteraulacacysta*, Site 1148, B7:6, 9, 11
cantharellum, *Cordosphaeridium*, Site 1148, B7:5–6, 9, 11–12
capricornutus, *Sphenolithus*, Site 1148, B10:6–7, 10
carinatus, *Triquetrorhabdulus*, Site 1148, B10:7
carribeanica, *Gephyrocapsa*
 Site 1143, A4:12
 Site 1144, A5:9
 Site 1146, B10:9
 Site 1148, B10:9
Cassigerinella chipolensis, Site 1148, A9:14
Catapsydrax dissimilis
 Site 1146, B8:6–7
 Site 1148, B9:5
Catinaster calyculus
 Site 1146, B10:8
 Site 1148, B9:5; B10:8
Catinaster coalitus
 Site 1146, B10:7–8
 Site 1148, B10:7–8
centrocarpum, *Operculodinium*, Site 1148, B7:5, 11
Ceratolithus acutus
 Site 1143, A4:12, 14
 Site 1146, B10:8–9
 Site 1148, B10:8–9
Ceratolithus rugosus
 Site 1143, A4:12
 Site 1146, B10:9
 Site 1148, B10:9
Cerebrocysta satchelliae, Site 1148, B7:7–8, 11–12
Chiasmolithus altus, Site 1148, B10:6
Chiloguembelina cubensis, Site 1148, B9:5–7
Chiloguembelina cubensis assemblage, Site 1148, B9:5
Chilostomella ovoidea, Site 1144, A5:10
Chilostomella spp., Site 1148, A1:29; A9:14
chipolensis, *Cassigerinella*, Site 1148, A9:14
Chiropteridium dispersum assemblage Zone, Site 1148, B7:9
Chiropteridium galea Interval Zone, Site 1148, B7:8
Chiropteridium lobospinosum Zone, Site 1148, B7:9
choanophorum, *Melitasphaeridium*, Site 1148, B7:7–8, 11–12
Cibicidoides wuellerstorfi
 Site 849, B15:16
 Site 1143, B4:1–8; B12:19, 23
 Site 1146, B3:1–8; B17:15
 Site 1147, B5:1–12
 Site 1148, B5:1–12
cinctum, *Hystrichokolpoma*, Site 1148, B7:5–6, 9, 12
ciperoensis, *Globigerina*, Site 1148, A9:14; B9:5
ciperoensis, *Sphenolithus*
 Site 1143, A4:13
 Site 1148, A9:12; B10:5–7, 10
ciperoensis, *Sphenolithus* aff., Site 1148, B10:6
Cleistosphaeridium ancyreum, Site 1148, B7:5–7, 9, 11–12
Cleistosphaeridium diversispinosum, Site 1148, B7:5–7, 10–12
Cleistosphaeridium diversispinosum Assemblage Zone, Site 1148, B7:5–6, 9–10, 27
Cleistosphaeridium placacanthum, Site 1148, B7:5, 7, 9, 11–12

coalitus, *Catinaster*

Site 1146, B10:7–8

Site 1148, B10:7–8

conglobatus, *Globigerinoides*

Site 1143, A4:14

Site 1146, A7:11

Site 1148, A9:13; B9:4

conispinum, *Xenicodinium*, Site 1148, B7:6*Cordosphaeridium cantharellum*, Site 1148, B7:5–6, 9, 11–12*Cordosphaeridium exilimurum*, Site 1148, B7:5*Cordosphaeridium gracile*, Site 1148, B7:5–6, 11*Cordosphaeridium gracile* Subzone, Site 1148, B7:6–7, 10*Cordosphaeridium inodes*, Site 1148, B7:5–6, 9, 11*Coscinodiscus lewisianus*, Site 1143, B6:2–3*Coscinodiscus lewisianus* Zone, Site 1143, B6:2–3*Coscinodiscus yabei*, Site 1143, B6:2–3*Cousteaudinium aubryae*, Site 1148, B7:11*crassaformis*, *Globorotalia*, Site 1145, A6:8*crassipellis*, *Achomosphaera*, Site 1148, B7:5*Cribopteridium tenuitabulatum*, Site 1148, B7:5, 11–12*cubensis*, *Chiloguembelina*, Site 1148, B9:5–7*Cyclicargolithus floridanus*

Site 1146, B10:7

Site 1148, B10:7

Cyclotella spp., Site 1143, B6:3, 7**D***Dapsilidinium pseudocolligerum*, Site 1148, B7:10–11*Deflandrea heterophlycta* assemblage Zone, Site 1148, B7:9–10*Deflandrea phosphoritica*, Site 1148, B7:7, 11–12*dehiscens*, *Globoquadrina*, Site 1148, A9:13; B9:4–5, 9, 20*dehiscens*, *Sphaeroidinella*

Site 1143, A4:14; B8:4

Site 1144, B11:7, 9

Site 1146, A7:11; B8:4

Site 1148, A9:13; B9:6

delphix, *Sphenolithus*, Site 1148, A9:12; B10:6–7, 10*Denticulopsis punctata* cf. *hustedtii*, Site 1143, B6:2*digitata*, *Beella*, Site 1143, A4:13*Discoaster asymmetricus*

Site 1143, A4:12

Site 1146, B10:9

Site 1148, B10:9

Discoaster berggrenii

Site 1143, A4:13

Site 1146, B10:8

Site 1148, B10:8

Discoaster brouweri

Site 1143, A4:12, 14

Site 1144, B2:5, 10

Site 1145, A6:7

Site 1146, A7:12; B10:9

Site 1148, A9:14; B10:9

Discoaster druggii, Site 1148, A9:12; B10:6–7*Discoaster hamatus*

Site 1143, A4:13

Site 1146, B10:8

Site 1148, B10:8

Discoaster kugleri

Site 1146, B10:7–8

Site 1148, B10:7–8

Discoaster loeblichii

Site 1146, A7:10; B10:8

Site 1148, B10:8

Discoaster neohamatus, Site 1143, A4:14, 17*Discoaster neorectus*

Site 1146, A7:10; B10:8

Site 1148, B10:8

Discoaster pentaradiatus

Site 1143, A4:12

Site 1145, A6:7

Site 1146, B10:9

Site 1148, B10:9

Discoaster quinquerramus

Site 1143, A4:12

Site 1146, A7:10, 12; B10:8

Site 1148, A9:14; B10:8

Discoaster spp., Site 1148, A9:12*Discoaster surculus*

Site 1145, A6:7

Site 1146, B10:8–9

Site 1148, B10:8–9

Discoaster tamalis

Site 1145, A6:7

Site 1146, B10:9

Site 1148, B10:9

Discoaster triradiatus, Site 1144, B2:5, 10*disjuncta*, *Sphaeroidinellopsis*, Site 1148, B9:4*dispertitum*, *Impagidinium*, Site 1148, B7:6*dissimilis*, *Catapsydrax*

Site 1146, B8:6–7

Site 1148, B9:5

Distatodinium ellipticum, Site 1148, B7:5–6, 9, 12*distentus*, *Sphenolithus*, Site 1148, A9:12; B9:7; B10:5–6, 10*diversispinosum*, *Cleistosphaeridium*, Site 1148, B7:5–7, 10–12*doliolus*, *Pseudoeunotia*, Site 1143, B6:3*druggii*, *Discoaster*, Site 1148, A9:12; B10:6–7*druryi*, *Globoturborotalita*, Site 1148, B9:4*dutertrei*, *Neogloboquadrina*, Site 1144, B11:3**E***ellipsoideus*, *Spiniferites*, Site 1148, B7:11*ellipticum*, *Distatodinium*, Site 1148, B7:5–6, 9, 12*ellipticus*, *Actinocyclus*, Site 1143, B6:7*Emiliana formosa*, Site 1148, B10:5*Emiliana huxleyi*

Site 1143, A4:11–12

Site 1144, B2:12

Site 1145, A6:7

Site 1146, B10:10

Site 1148, B10:10; B18:5

Enneadocysta arcuata, Site 1148, B7:5, 9–12*Enneadocysta multicornuta*, Site 1148, B7:5–6, 10*Enneadocysta pectiniformis*, Site 1148, B7:5–6, 9–10, 12*Enneadocysta pectiniformis* Subzone, Site 1148, B7:6, 9–10*Evittosphaerula paratabulata*, Site 1148, B7:11

exilimurum, *Cordosphaeridium*, Site 1148, B7:5

extremus, *Globigerinoides*

Site 1143, A4:14

Site 1148, B9:5

F

fistulosus, *Globigerinoides*

Site 1143, A4:13–14

Site 1144, A5:10

Site 1145, A6:8

Site 1146, A7:12

Site 1148, A9:13

floridanus, *Cyclicargolithus*

Site 1146, B10:7

Site 1148, B10:7

Florisphaera profunda, Site 1144, A5:9

Florschuetzia, South China Sea, A1:12

fohsi, *Globorotalia*, Site 1148, B9:5–6, 20

fohsi s.l., *Globorotalia*

Site 1143, B8:5–6, 8

Site 1146, B8:5–6, 8

Site 1148, B9:9

formosa, *Emiliana*, Site 1148, B10:5

G

Gavelinopsis spp.

Site 1146, A7:11

Site 1148, A1:29; A9:14

Gephyrocapsa carribeanica

Site 1143, A4:12

Site 1144, A5:9

Site 1146, B10:9

Site 1148, B10:9

Gephyrocapsa lumina, Site 1143, A4:12

Gephyrocapsa oceanica

Site 1143, A4:12

Site 1144, A5:9

Site 1146, B10:9–10

Site 1148, B10:9–10

Gephyrocapsa spp.

Site 1143, A4:12, 14

Site 1148, B10:9; B18:5

Gephyrocapsa spp. (medium)

Site 1143, A4:12, 14

Site 1146, A7:12

Gephyrocapsa spp. (small)

Site 1143, A4:12

Site 1144, A5:9–10

Gephyrocapsa spp. (small) acme zone

Site 1143, A4:12

Site 1144, A5:9–10; B2:5; B11:4

Site 1145, A6:7

Site 1147, A8:5

Globigerina bulloides

Site 1144, B11:6–7, 9

South China Sea, A1:48

Globigerina ciperoensis, Site 1148, A9:14; B9:5

Globigerina nepenthes, Site 1146, A7:11

Globigerinatella insueta

Site 1146, B8:7

Site 1148, B9:5, 9, 20

Globigerinoides altiapertura, Site 1148, B9:8

Globigerinoides bisphericus–*Praeorbulina* spp. plexus, Site 1143, B8:9

Globigerinoides conglobatus

Site 1143, A4:14

Site 1146, A7:11

Site 1148, A9:13; B9:4

Globigerinoides extremus

Site 1143, A4:14

Site 1148, B9:5

Globigerinoides fistulosus

Site 1143, A4:13–14

Site 1144, A5:10

Site 1145, A6:8

Site 1146, A7:12

Site 1148, A9:13

Globigerinoides obliquus

Site 1143, B4:1–8

Site 1148, B9:4

Globigerinoides ruber

Site 1143, A4:13; B4:1–8

Site 1144, A5:10; B2:7, 12, 19, 21–22, 24, 29; B11:3–4, 7, 19; B19:14–15, 18–21

Site 1145, A6:8

Site 1146, A7:11; B3:1–8

Site 1147, A8:5; B5:1–12

Site 1148, A9:13; B5:1–12; B9:4

South China Sea, A1:9, 51

Globigerinoides sacculifer

Site 1144, B11:3, 19

Site 1147, B5:1–12

Site 1148, B5:1–12; B18:5

Globigerinoides sacculifer s.l., Site 1148, B9:4

Globigerinoides trilobus, Site 1148, A9:13

Globobulimina spp., Site 1148, A1:29; A9:14

Globocassidulina spp.

Site 1146, A7:11

Site 1148, A1:29; A9:14

Globoquadrina altispira

Site 1146, A7:11

Site 1148, B9:4–5

Globoquadrina altispira–*Sphaeroidinellopsis seminulina*–*Orbulina* assemblage, Site 1148, B9:4

Globoquadrina binaiensis

Site 1146, A7:11

Site 1148, B9:5

Globoquadrina dehiscens, Site 1148, A9:13; B9:4–5, 9, 20

Globoquadrina globosa, Site 1148, B9:4

Globoquadrina globosa–*Sphaeroidinellopsis kochi* assemblage, Site 1148, B9:4

Globoquadrina sellii, Site 1148, B9:5

Globoquadrina tripartita, Site 1148, B9:5

Globoquadrina venezuelana, Site 1148, B9:4–5

Globoquadrina venezuelana–*Paragloborotalia pseudokugleri* assemblage, Site 1148, B9:5

Globorotalia archeomenardii–*Globorotalia praemenardii*–*Globorotalia menardii* plexus, Site 1143, B8:9

Globorotalia crassaformis, Site 1145, A6:8

Globorotalia fohsi, Site 1148, B9:5–6, 20

Globorotalia fohsi s.l.
 Site 1143, B8:5–6, 8
 Site 1146, B8:5–6, 8
 Site 1148, B9:9

Globorotalia inflata, Site 1144, A5:10, 45; B11:3, 6–7, 9

Globorotalia margaritae, Site 1143, A4:14

Globorotalia mayeri, Site 1143, A4:14, 17; B8:5

Globorotalia menardii
 Site 1144, A5:10, 45; B11:3, 6–7, 19
 Site 1148, B9:4

Globorotalia merotumida–*Globorotalia plesiotumida*–
Globorotalia tumida plexus, Site 1143, B8:9

Globorotalia multicamerata
 Site 1143, A4:13
 Site 1146, A7:11
 Site 1148, A9:13

Globorotalia peripheroronda, Site 1146, B8:6

Globorotalia peripheroronda–*Globorotalia fohsi* lineage, Site
 1148, B9:4

Globorotalia peripheroronda–*Globorotalia peripheroacuta*–
Globorotalia praefohsi–*Globorotalia fohsi* plexus,
 Site 1143, B8:9

Globorotalia plesiotumida
 Site 1143, A4:14; B8:4–5
 Site 1148, A9:13

Globorotalia praefohsi, Site 1146, B8:6

Globorotalia praescitula–*Globorotalia praemenardii* lineage,
 Site 1148, B9:4

Globorotalia tosaensis
 Site 1143, A4:13
 Site 1145, A6:8
 Site 1146, A7:11

Globorotalia truncatulinoides
 Site 1143, A4:13
 Site 1144, A5:10
 Site 1145, A6:8
 Site 1146, A7:11
 Site 1147, A8:5
 Site 1148, A9:13

Globorotalia tumida
 Site 1143, A4:14; B8:4
 Site 1144, B11:7, 9

Globorotaloides suteri, Site 1148, B9:5

globosa, *Globoquadrina*, Site 1148, B9:4

Globoturborotalita angulisuturalis, Site 1148, A9:14

Globoturborotalita druryi, Site 1148, B9:4

Globoturborotalita nepenthes
 Site 1143, A4:14; B8:5
 Site 1146, B8:5, 8
 Site 1148, B9:4, 6

Globubulimina spp.
 Site 1144, A5:10
 Site 1145, A6:8

gochtii, *Wetzeliiella*, Site 1148, B7:5–6, 9, 12

gracile, *Cordosphaeridium*, Site 1148, B7:5–6, 11

granosa, *Ascostomocystis*, Site 1148, B7:11

H

hamatus, *Discoaster*
 Site 1143, A4:13

Site 1146, B10:8
 Site 1148, B10:8

Helicosphaera ampliapertura
 Site 1146, B10:7
 Site 1148, B10:7

Heteraulacacysta campanula, Site 1148, B7:6, 9, 11

Heterolepa spp.
 Site 1146, A7:11
 Site 1148, A1:29; A9:14

heteromorphus, *Sphenolithus*
 Site 1143, A4:13
 Site 1146, B10:7
 Site 1148, B10:7

hillae, *Reticulofenestra*, Site 1148, B9:6; B10:5

Homotrybium plectilum, Site 1148, B7:5–6, 9–12

Homotrybium tenuispinosum, Site 1148, B7:5–6, 10, 12

humerosa, *Neogloboquadrina*, Site 1144, B11:4

huxleyi, *Emiliana*
 Site 1143, A4:11–12
 Site 1144, B2:12
 Site 1145, A6:7
 Site 1146, B10:10
 Site 1148, B10:10; B18:5

hyalina, *Lejeunecysta*, Site 1148, B7:5

Hystrichokolpoma cinctum, Site 1148, B7:5–6, 9, 12

Hystrichokolpoma rigaudiae, Site 1148, B7:5, 7, 12

Hystrichokolpoma salacia, Site 1148, B7:5

Hystrichosphaeropsis obscura, Site 1148, B7:7–8, 11–12

I

Impagidinium aculeatum, Site 1148, B7:11

Impagidinium dispertitum, Site 1148, B7:6

Impagidinium patulum, Site 1148, B7:11

inflata, *Globorotalia*, Site 1144, A5:10, 45; B11:3, 6–7, 9

inodes, *Cordosphaeridium*, Site 1148, B7:5–6, 9, 11

insueta, *Globigerinatella*
 Site 1146, B8:7
 Site 1148, B9:5, 9, 20

israelianum, *Operculodinium*, Site 1148, B7:7

Isthmolithus recurvus, Site 1148, B10:5

K

kugleri, *Discoaster*
 Site 1146, B10:7–8
 Site 1148, B10:7–8

kugleri, *Paragloborotalia*
 Site 1146, B8:7
 Site 1148, A9:13; B9:6–8

L

lacunosa, *Pseudoemiliana*
 Site 1143, A4:12
 Site 1144, A5:9, 44; B2:12
 Site 1145, A6:7
 Site 1146, B10:9–10
 Site 1148, B10:9–10

laticinctum, *Pentadinium*, Site 1148, B7:5–7, 9, 11–12

Lejeunecysta hyalina, Site 1148, B7:5

lewisianus, *Coscinodiscus*, Site 1143, B6:2–3
Lingulodinium machaerophorum, Site 1148, B7:5, 9, 11–12
loeblichii, *Discoaster*
 Site 1146, A7:10; B10:8
 Site 1148, B10:8
longispinigerum, *Operculodinium*, Site 1148, B7:8, 12
lumina, *Gephyrocapsa*, Site 1143, A4:12

M

machaerophorum, *Lingulodinium*, Site 1148, B7:5, 9, 11–12
macintyreii, *Calcidiscus*
 Site 1143, A4:12
 Site 1145, A6:7
 Site 1148, A9:14; B10:9
margaritae, *Globorotalia*, Site 1143, A4:14
marina, *Nitzschia*, Site 1143, B6:3
Martinotiella spp., Site 1148, A1:29; A9:14
mayeri, *Globorotalia*, Site 1143, A4:14, 17; B8:5
mayeri, *Paragloborotalia*, Site 1148, A9:13; B9:4
Melitasphaeridium choanophorum, Site 1148, B7:7–8, 11–12
Membranilarnacia? picena, Site 1148, B7:7–8, 12
Membranophoridium aspinatum, Site 1148, B7:5–6, 12
menardii, *Globorotalia*
 Site 1144, A5:10, 45; B11:3, 6–7, 19
 Site 1148, B9:4
miocenica, *Nitzschia*, Site 1143, B6:3
moronensis, *Actinocyclus*, Site 1143, B6:2
multicamerata, *Globorotalia*
 Site 1143, A4:13
 Site 1146, A7:11
 Site 1148, A9:13
multicornuta, *Enneadocysta*, Site 1148, B7:5–6, 10

N

nana, *Paragloborotalia*, Site 1148, B9:5
nanhaicum, *Apteodinium*, Site 1148, B7:5
neoabies, *Sphenolithus*
 Site 1143, A4:12
 Site 1146, A7:10
Neogloboquadrina acostaensis
 Site 1143, A4:14; B8:5
 Site 1146, A7:11; B8:5
 Site 1148, A9:13; B9:4–5
Neogloboquadrina dutertrei, Site 1144, B11:3
Neogloboquadrina humerosa, Site 1144, B11:4
Neogloboquadrina pachyderma, Site 1144, B11:7, 9
neohamatus, *Discoaster*, Site 1143, A4:14, 17
neorectus, *Discoaster*
 Site 1146, A7:10; B10:8
 Site 1148, B10:8
nepenthes, *Globigerina*, Site 1146, A7:11
nepenthes, *Globoturborotalia*
 Site 1143, A4:14; B8:5
 Site 1146, B8:5, 8
 Site 1148, B9:4, 6
nephroides, *Selenopemphix*, Site 1148, B7:5
Nitzschia marina, Site 1143, B6:3
Nitzschia miocenica, Site 1143, B6:3

Nitzschia porteri B Subzone, Site 1143, B6:3
Nitzschia reinholdii Zone, Site 1143, B6:3
nitzschioides, *Thalassionema*, Site 1143, B6:3, 7
nodulifer, *Azpeitia*, Site 1143, B6:3, 7

O

obliquiloculata, *Pulleniatina*
 Site 1144, A5:10, 45; B11:4, 7–8, 19
 South China Sea, A1:12
obliquus, *Globigerinoides*
 Site 1143, B4:1–8
 Site 1148, B9:4
obscura, *Hystriosphæropopsis*, Site 1148, B7:7–8, 11–12
oceanica, *Gephyrocapsa*
 Site 1143, A4:12
 Site 1144, A5:9
 Site 1146, B10:9–10
 Site 1148, B10:9–10
Operculodinium centrocarpum, Site 1148, B7:5, 11
Operculodinium israelianum, Site 1148, B7:7
Operculodinium longispinigerum, Site 1148, B7:8, 12
Operculodinium piaseckii, Site 1148, B7:7–8, 12
opima, *Paragloborotalia*, Site 1148, B9:5, 7
opima nana, *Paragloborotalia*, Site 1148, A9:14
opima opima, *Paragloborotalia*, Site 1148, A9:14
Orbulina spp.
 Site 1146, A7:11; B8:6
 Site 1149, B9:4
Orbulina suturalis, Site 1146, B8:8
ovoidea, *Chilostomella*, Site 1144, A5:10

P

pachyderma, *Neogloboquadrina*, Site 1144, B11:7, 9
Paragloborotalia kugleri
 Site 1146, B8:7
 Site 1148, A9:13; B9:6–8
Paragloborotalia mayeri, Site 1148, A9:13; B9:4
Paragloborotalia nana, Site 1148, B9:5
Paragloborotalia opima, Site 1148, B9:5, 7
Paragloborotalia opima nana, Site 1148, A9:14
Paragloborotalia opima opima, Site 1148, A9:14
Paragloborotalia pseudokugleri, Site 1148, B9:7
Paragloborotalia siakensis, Site 1148, B9:4
Paralia sulcata, Site 1143, B6:7
paratabulata, *Evittosphaerula*, Site 1148, B7:11
patula, *Thalassiphora*, Site 1148, B7:5
patulum, *Impagidinium*, Site 1148, B7:11
pectiniformis, *Enneadocysta*, Site 1148, B7:5–6, 9–10, 12
pelagica, *Thalassiphora*, Site 1148, B7:5–6, 9, 12
pellitum, *Tectatodinium*, Site 1148, B7:11
Pentadinium laticinctum, Site 1148, B7:5–7, 9, 11–12
Pentadinium taenigerum, Site 1148, B7:7
pentaradiatus, *Discoaster*
 Site 1143, A4:12
 Site 1145, A6:7
 Site 1146, B10:9
 Site 1148, B10:9
peregrina, *Uvigerina*
 Site 1144, A5:10

- Site 1145, A6:8
 Site 1146, B3:1–8; B17:15
peripheroacuta, *Globorotalia*, Site 1146, B8:6
phosphoritica, *Deflandrea*, Site 1148, B7:7, 11–12
Phthanoperidinium amoenum, Site 1148, B7:5–6, 9, 12
piaseckii, *Operculodinium*, Site 1148, B7:7–8, 12
picena, *Membranilarnacia?*, Site 1148, B7:7–8, 12
placacanthum, *Cleistosphaeridium*, Site 1148, B7:5, 7, 9, 11–12
pletillum, *Homotrybium*, Site 1148, B7:5–6, 9–12
plesiotumida, *Globorotalia*
 Site 1143, A4:14; B8:4–5
 Site 1148, A9:13
Polysphaeridium zoharyi, Site 1148, B7:5, 7–8, 11–12
Polysphaeridium zoharyi Assemblage Zone, Site 1148, B7:7–8, 10–12, 28
praefohsi, *Globorotalia*, Site 1146, B8:6
Praeorbulina sicana
 Site 1146, A7:11; B8:6
 Site 1148, A9:13; B9:6
predistentus, *Sphenolithus*, Site 1148, B10:6
primalis, *Pulleniatina*
 Site 1143, A4:14; B8:4
 Site 1146, A7:11; B8:4
 Site 1148, A9:13
primus, *Amaurolithus*
 Site 1143, A4:12
 Site 1146, B10:8
 Site 1148, B10:8
profunda, *Florisphaera*, Site 1144, A5:9
pseudocolligerum, *Dapsilidinium*, Site 1148, B7:10–11
Pseudoemiliania lacunosa
 Site 1143, A4:12
 Site 1144, A5:9, 44; B2:12
 Site 1145, A6:7
 Site 1146, B10:9–10
 Site 1148, B10:9–10
Pseudoeunotia doliolus, Site 1143, B6:3
Pseudoeunotia doliolus Zone, Site 1143, B6:3
pseudofurcatus, *Spiniferites*, Site 1148, B7:9, 12
Pseudohastigerina spp., Site 1148, A9:14
pseudokugleri, *Paragloborotalia*, Site 1148, B9:7
pseudoumbilicus, *Reticulofenestra*
 Site 1143, A4:12
 Site 1146, B10:9
 Site 1148, B10:9
Pulleniatina obliquiloculata
 Site 1144, A5:10, 45; B11:4, 7–8, 19
 South China Sea, A1:12
Pulleniatina primalis
 Site 1143, A4:14; B8:4
 Site 1146, A7:11; B8:4
 Site 1148, A9:13
punctata cf. *hustedtii*, *Denticulopsis*, Site 1143, B6:2

Q

- quinquaramus*, *Discoaster*
 Site 1143, A4:12
 Site 1146, A7:10, 12; B10:8

Site 1148, A9:14; B10:8

R

- ramosus* subsp. *angustus*, *Spiniferites*, Site 1148, B7:7
recurvus, *Isthmolithus*, Site 1148, B10:5
Reticulofenestra asanoi
 Site 1144, A5:9, 44; B2:13
 Site 1146, B10:9
 Site 1148, B10:9
Reticulofenestra bisectus, Site 1148, A9:12; B9:7; B10:6
Reticulofenestra hillaie, Site 1148, B9:6; B10:5
Reticulofenestra pseudoumbilicus
 Site 1143, A4:12
 Site 1146, B10:9
 Site 1148, B10:9
Reticulofenestra umbilicus
 Site 1143, A4:13
 Site 1148, A9:12; B9:6; B10:5
Reticulosphaera actinocoronata, Site 1148, B7:5, 9, 11–12
rigaudiae, *Hystrichokolpoma*, Site 1148, B7:5, 7, 12
ruber, *Globigerinoides*
 Site 1143, A4:13; B4:1–8
 Site 1144, A5:10; B2:7, 12, 19, 21–22, 24, 29; B11:3–4, 7, 19; B19:14–15, 18–21
 Site 1145, A6:8
 Site 1146, A7:11; B3:1–8
 Site 1147, A8:5; B5:1–12
 Site 1148, A9:13; B5:1–12; B9:4
 South China Sea, A1:9, 51
rugosus, *Ceratolithus*
 Site 1143, A4:12
 Site 1146, B10:9
 Site 1148, B10:9
rugosus, *Triquetrorhabdulus*
 Site 1143, A4:12
 Site 1146, A7:10; B10:8
 Site 1148, A9:14; B10:8

S

- sacculifer*, *Globigerinoides*
 Site 1144, B11:3, 19
 Site 1147, B5:1–12
 Site 1148, B5:1–12; B18:5
sacculifer s.l., *Globigerinoides*, Site 1148, B9:4
salacia, *Hystrichokolpoma*, Site 1148, B7:5
satchelliae, *Cerebrocysta*, Site 1148, B7:7–8, 11–12
Schematophora speciosa, Site 1148, B7:7–8
Selenopemphix nephroides, Site 1148, B7:5
sellii, *Globoquadrina*, Site 1148, B9:5
seminulina, *Sphaeroidinellopsis*
 Site 1145, A6:8
 Site 1146, A7:11
 Site 1148, B9:4, 9
siakensis, *Paragloborotalia*, Site 1148, B9:4
sicana, *Praeorbulina*
 Site 1146, A7:11; B8:6
 Site 1148, A9:13; B9:6
Sigmolopsis spp., Site 1148, A1:29; A9:14
soucouyantiae, *Sumatradinium*, Site 1148, B7:8, 11

speciosa, *Schematophora*, Site 1148, B7:7–8
Sphaeroidinella dehiscens
 Site 1143, A4:14; B8:4
 Site 1144, B11:7, 9
 Site 1146, A7:11; B8:4
 Site 1148, A9:13; B9:6
Sphaeroidinellopsis disjuncta, Site 1148, B9:4
Sphaeroidinellopsis seminulina
 Site 1145, A6:8
 Site 1146, A7:11
 Site 1148, B9:4, 9
Sphaeroidinellopsis seminulina–*Globoturborotalita nepenthes*
 assemblage, Site 1148, B9:4
Sphenolithus abies
 Site 1143, A4:12
 Site 1146, A7:10
Sphenolithus abies/neoabies
 Site 1146, B10:9
 Site 1148, B10:9
Sphenolithus aff. *ciperoensis*, Site 1148, B10:6
Sphenolithus belemnus
 Site 1143, A4:13
 Site 1146, A7:10; B10:7
 Site 1148, B10:7
Sphenolithus capricornutus, Site 1148, B10:6–7, 10
Sphenolithus ciperoensis
 Site 1143, A4:13
 Site 1148, A9:12; B10:5–7, 10
Sphenolithus delphix, Site 1148, A9:12; B10:6–7, 10
Sphenolithus distentus, Site 1148, A9:12; B9:7; B10:5–6, 10
Sphenolithus heteromorphus
 Site 1143, A4:13
 Site 1146, B10:7
 Site 1148, B10:7
Sphenolithus neoabies
 Site 1143, A4:12
 Site 1146, A7:10
Sphenolithus predistentus, Site 1148, B10:6
Sphenolithus spp., Site 1146, A7:10
Spiniferites ellipsoideus, Site 1148, B7:11
Spiniferites pseudofurcatus, Site 1148, B7:9, 12
Spiniferites ramosus subsp. *angustus*, Site 1148, B7:7
spiridoides, *Apteodinium*, Site 1148, B7:11
Stilostomella spp.
 Site 1143, A4:14
 Site 1144, A5:11; B11:4
 Site 1145, A6:8
 Site 1146, A7:11
 Site 1148, A9:14
sulcata, *Paralia*, Site 1143, B6:7
Sumatradinium soucouyantiae, Site 1148, B7:8, 11
surculus, *Discoaster*
 Site 1145, A6:7
 Site 1146, B10:8–9
 Site 1148, B10:8–9
suteri, *Globorotaloides*, Site 1148, B9:5
suturalis, *Orbulina*, Site 1146, B8:8
symmetrica, *Wetzeliella*, Site 1148, B7:5–6, 12

T

taenigerum, *Pentadinium*, Site 1148, B7:7
tamalis, *Discoaster*
 Site 1145, A6:7
 Site 1146, B10:9
 Site 1148, B10:9
Tectatodinium pellitum, Site 1148, B7:11
tenuispinosum, *Homotrybium*, Site 1148, B7:5–6, 10, 12
tenuitabulatum, *Cribroperidinium*, Site 1148, B7:5, 11–12
Textularia spp., Site 1148, A1:29; A9:14
Thalassionema nitzschioides, Site 1143, B6:3, 7
Thalassiphora patula, Site 1148, B7:5
Thalassiphora pelagica, Site 1148, B7:5–6, 9, 12
tosaensis, *Globorotalia*
 Site 1143, A4:13
 Site 1145, A6:8
 Site 1146, A7:11
tricorniculatus, *Amaurolithus*
 Site 1146, B10:9
 Site 1148, B10:9
trilobus, *Globigerinoides*, Site 1148, A9:13
tripartita, *Globoquadrina*, Site 1148, B9:5
Triquetrorhabdulus carinatus, Site 1148, B10:7
Triquetrorhabdulus rugosus
 Site 1143, A4:12
 Site 1146, A7:10; B10:8
 Site 1148, A9:14; B10:8
triradiatus, *Discoaster*, Site 1144, B2:5, 10
truncatulinoides, *Globorotalia*
 Site 1143, A4:13
 Site 1144, A5:10
 Site 1145, A6:8
 Site 1146, A7:11
 Site 1147, A8:5
 Site 1148, A9:13
Tuberculodinium vancampoeae, Site 1148, B7:7–8, 11–12
tumida, *Globorotalia*
 Site 1143, A4:14; B8:4
 Site 1144, B11:7, 9
Turborotalia ampliapertura, Site 1148, A9:14

U

umbilicus, *Reticulofenestra*
 Site 1143, A4:13
 Site 1148, A9:12; B9:6; B10:5
Uvigerina peregrina
 Site 1144, A5:10
 Site 1145, A6:8
 Site 1146, B3:1–8; B17:15
Uvigerina spp.
 Site 1146, A7:11
 Site 1148, A1:29; A9:14

V

vancampoeae, *Tuberculodinium*, Site 1148, B7:7–8, 11–12
venezuelana, *Globoquadrina*, Site 1148, B9:4–5

W

Wetzeliella articulata, Site 1148, B7:5–6, 9, 12

Wetzeliella gochtii, Site 1148, B7:5–6, 9, 12

Wetzeliella symmetrica, Site 1148, B7:5–6, 12

wuellerstorfi, *Cibicidoides*

Site 849, B15:16

Site 1143, B4:1–8; B12:19, 23

Site 1146, B3:1–8; B17:15

Site 1147, B5:1–12

Site 1148, B5:1–12

X

Xenicodinium conispinum, Site 1148, B7:6

Y

yabei, *Coscinodiscus*, Site 1143, B6:2–3

Z

zoharyi, *Polysphaeridium*, Site 1148, B7:5, 7–8, 11–12
zones (with letter prefixes)

A, Site 1148, B7:5–6, 9–10, 27

A-1, Site 1148, B7:6, 9–10

A-2, Site 1148, B7:6–7, 10

B, Site 1148, B7:7–8, 10–12, 28

CN1/CN2 boundary, Site 1148, B10:7

CN1c, Site 1148, B10:7

CN2/CN3 boundary, Site 1148, B10:7

CN3/CN4 boundary, B10:7

CN4/CN5a boundary, B10:7

CN5/CN6 boundary, B10:8

CN5a/CN5b boundary, B10:7

CN6, A7:10; B10:8

CN6/CN7 boundary, B10:8

CN7, Site 1146, A7:10

CN8, A4:13; A7:10

CN8/CN9 boundary, Site 1148, B10:8

CN8a, B10:8

CN8b, B10:8

CN9, Site 1143, A4:13

CN9/CN10 boundary, Site 1146, B10:8

CN10, Site 1146, B10:9

CN10a, B10:9

CN10b, B10:9

CN12/CN13 boundary, Site 1148, B10:9

CN12a, Site 1146, B10:9

CN12b, Site 1146, B10:9

CN13a, Site 1146, B10:9

CN13b, Site 1146, B10:9

CN14a, Site 1146, B10:9

CN14b, B10:10

CN15, B10:10

CP16b/CP16c boundary, Site 1148, B10:5

CP16c, Site 1148, B10:5

CP19, Site 1148, A9:12

CP19b, Site 1148, A9:12

CP19b/CN1a boundary, Site 1148, B10:6

D14, Site 1148, B7:5–6, 10

D15, Site 1148, B7:5–6

D16, Site 1148, B7:8

DM1, Site 1148, B7:8

DN2, Site 1148, B7:8

N4, A1:34; A9:13; B7:8; B9:4, 6

N4–N18, Site 1148, B9:9

N5, A7:11; B8:7; B9:4, 6

N6, B8:7; B9:4, 6, 8

N7, B8:6–7; B9:4, 6

N8, A7:11; A9:13; B8:6; B9:4, 6

N9, A7:11; B8:6, 8; B9:4, 6

N10, B8:6; B9:4, 6, 8

N10/N11 boundary, Site 1148, B9:6

N11, B8:6; B9:4, 6

N12, B8:5–6; B9:4

N13, B8:5, 8; B9:6

N14, A4:14; A7:11; B8:5, 7–8; B9:4, 6

N15, A7:11; B8:5, 7; B9:4, 6

N15–N16, A4:14; A9:13

N16, B8:5, 7; B9:4, 6

N17, Site 1148, B9:4, 6

N17a, A4:14; A7:11; A9:13; B8:4

N17b, A4:14; A7:11; A9:13; B8:4, 7

N18, A4:14; B8:4, 7; B9:4, 6

N18–N19, Site 1143, A4:14

N19, A4:14; B8:4, 7

N20, A4:14; A7:11; A9:13

N21, A4:13; A6:8; A7:11

N22, A4:13; A5:10; A6:8; A7:11; A8:5; A9:13

NN1, Site 1148, B10:7, 10

NN2, A1:34; A9:12; B7:8

NN2/N4, A1:29; B7:8

NN2/NN1 boundary, Site 1148, B10:7

NN2/NN3 boundary, Site 1148, B10:7

NN3, Site 1146, A7:10

NN3/NN4 boundary, Site 1148, B10:7

NN4/NN5 boundary, B10:7

NN5/NN6 boundary, B10:7

NN6/NN7 boundary, B10:7

NN7, B10:8

NN7/NN8 boundary, B10:8

NN8, B10:8

NN8/NN9 boundary, B10:8

NN9, A4:13; B10:8

NN9/CN7, Site 1143, A4:13

NN9/NN10 boundary, B10:8

NN10, A4:13; B10:8

NN10/NN11 boundary, B10:8

NN11, A4:13; B10:8

NN11/CN9d, Site 1143, A4:12

NN11/NN12 boundary, B10:8

NN12, B10:9

NN13/CN11a, Site 1143, A4:12

NN14, B10:9

NN14/CN11b, Site 1143, A4:12

NN16, B10:9

NN16/NN17 boundary, B10:9

NN17, B10:9

NN19, B10:9

NN19a, Site 1143, A4:12

NN19b/CN14a, Site 1143, A4:12

NN20, B10:10

NN20/CN14b, Site 1143, A4:12
 NN21, B10:10
 NN21/CN15, Site 1143, A4:11
 NN22, Site 1148, B10:5
 NP21, Site 1148, B7:5
 NP21/NP22 boundary, Site 1148, B10:5
 NP21–NP24, Site 1148, B7:5
 NP22/NP23 boundary, Site 1148, B10:5
 NP23, Site 1148, A9:12
 NP23–NP24, Site 1148, B7:5
 NP23/P19, Site 1148, A1:29
 NP24, Site 1148, A9:12; B10:6

NP24/NP25 boundary, Site 1148, B10:6
 NP25, A1:34–35; A9:12; B10:10
 NP25–NN1, Site 1148, B7:8
 NP25/NN1 boundary, Site 1148, B10:6, 19
 NP25/P22, Site 1148, A1:29
 P18–P22, Site 1148, B9:9
 P19, Site 1148, A9:14
 P19–P21, Site 1148, B7:5
 P20, Site 1148, A9:14
 P21b, Site 1148, A9:14; B9:5
 P22, Site 1148, B7:6, 8; B9:5
Zygrablithus bijugatus, Site 1148, A9:12; B9:7; B10:6