

-A-**2D** (no hyphen)**3D** (no hyphen)**A** ampere (also amp; unit of electrical current)Å Angstrom (unit of length = 10^{-10} m)**a*** color reflectance component (no unit)**a`a** lava**AABW** Antarctic Bottom Water**AAD** Australian-Antarctic discordance**AAG** Australo-Antarctic Gulf**AAIW** Antarctic Intermediate Water**ABI** acoustic borehole image [logging]**ablation** (use “laser ablation”)**ABM** assigned board member (of the ERB) [publications]**aboard** [but “on board”]**ABS** American Bureau of Shipping [logistics]**abysal****AC** alternating current (n., adj.)**ACC** Antarctic Circumpolar Current**accretion****ACEX** Arctic Coring Expedition [IODP Exp 302]**acicular****acidification****acid-insoluble** (adj.)**acidity** (use “pH”)**acknowledgments****acme zone****ACORK** advanced circulation obviation retrofit kit**acoustic impedance** (n., adj.)**AD** Antarctic Divergence [science]**A/D** analog-to-digital**ADCB** advanced diamond core barrel [drilling]**adcumulate****admixture****ADN** Azimuthal Density Neutron [logging]**adnVISION** [logging]**adsorption**

advection**aeolian** (use eolian)**AES** atomic emission spectroscopy [science, chemistry]**AF** alternating field (n., adj.) [science, paleomagnetism]**aff.** related to [Latin *affinis*] [science, biostratigraphy]**affine****AGI** American Geophysical Institute**agglomerate****agglutinated****aggradation; aggradational****AGU** American Geophysical Union**AHC** active heave compensator [drilling] (IODP use “WHC”)**air fall** (n., adj.)**air gun** (n., adj.)**Albian (Alb.)****albitization****alkalinity****alkanes****alkenones****allanite****allochthonous****ALN** alien corer [drilling; ESO]**alongshore** (adj.)**along-slope** (n., adj.)**aluminium** (use “aluminum”)**aluminosilicates****amagmatic****ammonium** (NH₄; not “ammonia”)**AMO** anaerobic methane oxidation**amphibolitization****AMS** (1) anisotropy of magnetic susceptibility [science, paleomagnetism]; (2) accelerator mass spectrometry/spectroscopy [science, radiocarbon dating]**AMST** archive multisensor track (ODP; replaced by “SHMSL” in IODP)**AMU** atomic mass unit; also “amu”**amygdale** (not “amygdale”)**amygdaloidal****analcite** (use “analcime”)**analog**

anastomosing**AND** azimuthal neutron density [logging]**ANDRILL** Antarctic Geological Drilling**anion****Anomaly MO** (and others; capitalize “Anomaly” with a number)**ANSI** American National Standards Institute**Antarctic Convergence****Antarctic Divergence****Antarctic Water Mass****anthracene****ANZIC** Australia-New Zealand IODP Consortium**AO** acridine orange [science, microbiology]**AODC** acridine orange direct count method [science, microbiology]**AOM** anaerobic oxidation of methane**APC** advanced piston corer [drilling]**APCT-3** advanced piston corer temperature [drilling] (takes the word tool when used [e.g., we used the APCT-3 tool])**apexes** (not “apices”)**aphanitic****aphyric****API** American Petroleum Institute**API units** natural gamma ray units; also “gAPI” [logging]**APL** Ancillary Project Letter**APLC** near-array porosity [logging]**apophyses****APP** Annual Program Plan [publications]**apparent polar wandering****appendixes** (not “appendices”)**APS** Accelerator Porosity Sonde (also “IPLT sonde”) [logging]**Aptian (Apt.)****APWD** annular pressure while drilling [drilling]**APWP** apparent polar wander path [science, paleomagnetism]**aq** aqueous**Aquitania (Aquit.)****Archaeobacteria** (use “Archaea”)**ARC** Australian Research Council**Archie’s law** [formation factor]**ARI** Azimuthal Resistivity Imager [logging]

ARM anhysteretic remanent magnetization [science, paleomagnetism]

ash fall (n., adj.)

ASGR ANTARES Spectral Natural Gamma Probe [logging]

ASK automatic stationkeeping [ship]

ASR anelastic strain recovery

ASTM American Society for Testing and Materials

ATP adenosine triphosphate [science, microbiology]

authigenic

auto- (generally closed up as a prefix)

autobrecciated

autochthonous

AUV autonomous underwater vehicle

AVS automated vane shear [science, physical properties]

-B-

b barn (unit of area = 10^{-28} m²)
b* color reflectance component (no unit)
b.y. billion years
b/e⁻ (unit of photoelectric effect) [logging]
back arc (n.) **back-arc** (adj.) (not backarc) [GOG5, AGI Thesaurus]
back off (n., adj.) [drilling]
backfill
backflow
backpressure
backreaming [drilling]
backscatter
back thrust (n.) [GOG5]
backtitrated
backup (n., adj.)
back up [v.]
band-pass (adj.; not used as a noun)
bandwidth (n., adj.)
barrel sheet (n., adj.) (preferred term is "VCD" or standard graphic report)
Barremian (Barrem.)
Barriasian (Berrias.)
Bartonian (Bart.)
baseline
basinward
basinwide
bathyal
bbbl 42-gallon barrel (US) [logging]
BCR (1) Bremen Core Repository, (2) bicenter reamer [drilling]
beadmaker
bedform
bedrock
bedset
belemnite
Benioff zone
benthic (not "benthonic"; adj., not used as noun)
benthic taxa (n.; not "benthic")
bequerel (Bq) (SI unit of activity)

BGS British Geological Survey

BHA bottom-hole assembly [drilling]

bifurcation

bigradational

bio- (generally closed up as a prefix)

biochron

biochronology

biochronozone

bioevent

biogenic (not “biogenous”)

biosiliceous (adj.)

biozone

birefringence

bit [drilling]

bit sub [drilling]

BOH bottom of hole (acronym for brevity in figures and tables; not used in text)

bolboformids

Bølling-Allerød

bootstrapping

BOP blowout preventer [riser drilling]

borehole

BOSS BioOsmoSampler System

botryoidal

bottom water (n., adj.)

bowspring (n., adj.) [logging]

BP before present

breakout

brf below rig floor (as in mbrf, meters below rig floor) [drilling]

BRG Borehole Research Group, Lamont-Doherty Earth Observatory

Brunhes Chron

BSE backscattered electron [SEM imaging]

BSEM backscattering electron microscope [SEM imaging]

bsf below seafloor (as in mbsf, meters below seafloor) [science]

bsl below sea level (as in mbsl, meters below sea level) [science]

BSR bottom-simulating reflector/reflection [science]

buildup (n.)

bulk density (n., adj.)

bulkhead [ship]

bulk-rock (adj.)

bullnose [drilling]

Bullseye vent

bumper sub [drilling]

Burdigalian (Burd.)

by- (generally closed up as a prefix)

bypass

byproduct

-C-

C (1) degrees Celsius (unit of temperature = degrees Centigrade); (2) coulomb (unit of electrical charge)

c/s counts per second (NGR unit; use “counts/s”)

C₁/C₂ methane/ethane ratio [science, chemistry]

C₆₊ hexane and higher hydrocarbons [science, chemistry]

ca. circa (only used with age or time; IODP prefers “~” in all cases)

CAB Curatorial Advisory Board

cabhead [logging]

CAE carbon accumulation event

cal calorie (unit of energy)

Calabrian (Cal.)

calc-alkaline (adj.)

calcareous (adj.)

cal. y BP calendar years before present (also, calibrated years before present, if preferred by authors)

Campanian (Camp.)

Carbonaceous (time period) **carbonaceous** (adj.)

CARD-FISH catalyzed reporter deposition–fluorescence in situ hybridization [microbiology]

casing [drilling]

CASSI Chemical Abstracts Service Source Index

cataclasis

cataclasite

cataclastic

cathode

cation

catwalk [ship]

CAVA Central American volcanic arc

cave-in (n.)

CB center bit [drilling]

CC core catcher (n., adj.) [drilling]

CCD (1) carbonate compensation depth/calcite compensation depth [science]; (2) charge-coupled device [imaging]

CCSF core composite depth below seafloor

C-DEBI Center for Dark Energy Biosphere Investigations

CDEX Center for Deep Earth Exploration (obsolete; see **MarE3**)

CDN Compensated Density Neutron tool [logging]

cDNA copy deoxyribonucleic acid [science, microbiology]

CDP (1) common depth point, (2) complex drilling project

CDR Compensated Dual Resistivity [logging]

CDT Canyon Diablo troilite [science, isotopes]

CDW Circumpolar Deep Water

celestine (not “celestite”)

celestite (use “celestine”)

Cello-Flake [drilling]

Cenomanian (Cenom.)

cenote

Cenozoic (Cenoz.)

central equatorial Pacific

cf. compare (Latin *confer*; no comma follows) [biostratigraphy]

CFU colony-forming unit; also “cfu” [science, microbiology]

CGR computed gamma ray [logging]

cgs centimeter-gram-second (magnetic susceptibility units; not generally used in IODP)

chadacryst

channel-levee (n., adj.)

Chattian (Chatt.)

check shot (n., adj.) [seismic]

chemo- (generally closed up as a prefix)

Chikyu

CHIRP compressed high-intensity radar pulse

CHNS carbon-hydrogen-nitrogen-sulfur analyzer; also “flash elemental analyzer”
[science, chemistry]

Chondrites

ChRM characteristic remanent magnetization [science, paleomagnetism]

chromatography

chron

chronostratigraphy

chronozone

CI (1) crystallization index; (2) contour interval

Ci curie (unit of radiation)

CIE carbon isotope excursion

CIPW norm Cross, Iddings, Pirsson, and Washington; normative system for reporting XRD data

circulating head [drilling]

clastic

clathrate [gas hydrate]

claystone

CLDC control length drill collar [drilling]

clinoform

close-up (n., adj.)

cm centimeter

cm³ (not “cc”)

CMC crown-mounted heave compensator [CDEX]

cmcd corrected meters composite depth

CMP common midpoint [seismic]

CMS Content Management System

CNS Cocos-Nazca spreading center

coarsening-downward (adj.)

coarsening-upward (adj.)

Cobb Mountain Subchron

coccolithophore

Cochiti Subchron

coercivity

cold seep (n.) **cold-seep** (adj.)

cold water (n.) **cold-water** (adj.)

compressional wave (n., adj.); also *P*-wave velocity; seismic wave

conchoidal

Coniacian (Coniac.)

contact probe (n., adj.)

coralgall

core barrel [drilling]

core bit [drilling]

core liner [drilling]

core scale (n.) **core-scale** (adj.)

C_{org} organic carbon [science]

coring [drilling]

coring line [drilling]

coring system [drilling]

coring winch [drilling]

CORK subsea observatory (do not need to define: circulation obviation retrofit kit)

CORK-Lite

counter- (generally closed up as a prefix)

coverslip

CPI carbon preference index [science, chemistry]

CPO crystallographic preferred orientation

cps counts per second (NGR unit; use “counts/s”) [science]

Cretaceous (Cret.)

Cretaceous Normal Superchron

CRISP Costa Rica Seismogenesis Project

CRM chemical remanent magnetization [science, paleomagnetism]

crossbanding

crossbar (n.)

crossbeam

cross-bedding

cross-check

cross correlation (n.) **crosscorrelation** (adj.)

crosscut (n., adj.)

crosscutting (verb, adj.)

cross dip

crossed nicols

crossed polars (use “crossed nicols”)

cross-grained

cross-hatch

cross-hatching

crosshole

cross-index

cross-laminae (n.) (“cross-lamination” preferred; “laminae” alone is fine)

cross-lamination (n.)

cross-latitudinal

cross-line

cross-link

crossover

crosspiece

crossplot

cross point (n.)

cross-polarized light

cross-purpose

cross section (n.) **cross-section** (adj.)

cross-stratification

cross-strike

cross-talk

crown [ship]

cryomag cryogenic magnetometer [science, paleomagnetism]

cryptocrystalline

crystal-plastic (adj.)

CSES conical side-entry sub [drilling]

CSF core depth below seafloor

CSF-A core depth below seafloor, Method A

CSV comma-separated value

CT computed tomography [science, imaging]

CTB conductivity, temperature, density [logging]

CTBE Cenomanian/Turonian Boundary Event

CTD Conductivity-Temperature-Depth (recorder, data, tool, etc.) [logging]

cu capture unit [logging]

cut and slip [drilling]

cutaway (adj.)

cutoff

cuttings [drilling]

cutting shoe [drilling]

CWL coring while logging (n.); coring-while-logging (adj.)

CY calendar year

-D-**D-O** Dansgaard–Oeschger**dactylitic****Danian (Dan.)****DAPI** 4',6-diamindino-2-phenylindole [science, microbiology]**Darcy's law****darkfield** (adj.)**DART** drilling and reentry template [drilling]**data** (treat as a plural noun)**data set****database****datum****dB** decibel (unit of sound/loudness)**DBD** dry bulk density [science, physical properties]**DC** (1) drill collar [drilling]; (2) direct current [electronics]**DCB** diamond core barrel [drilling]**DC-SQUID** direct-current superconducting quantum interference device [paleomagnetism]**DDW** deionized distilled water**deadline** [drilling]**DEBI** Deep Exploration Biosphere Investigative tool [logging]**DEBI-t** Dark Energy Biosphere Investigation tool**debris flow** (n., adj.)**debrites****declination****décollement****deconvolution****deep-sea** (adj.)**deep-tow** (adj.)**deep water** (n.) **deepwater** (adj.)**demagnetization****densiometer** (use "densitometer")**deplugger****derrick** [ship]**DES** dual-elevator stool [drilling]**DESCINFO** Descriptive and Interpretive Information Capture**DESClogik** IODP core description application**DEVI** hole deviation (GPIT) [logging]

devitrification

Dewar flask

dextral

DGGE denaturing gradient gel electrophoresis [science]

DGPS differential GPS

DHML Downhole Measurements Laboratory [ship]

DI deionized water [science, chemistry]

diabase (U.S. usage; “diorite” in Europe and Japan)

diapir

DIC (1) dissolved inorganic carbon; (2) drill-in casing [drilling]; (3) differential interference contrast [science, microscopy]

dike (not “dyke”)

DIL dual induction log (resistivity) [logging]

dilatancy

dinoflagellate

dip-slip fault

DIS (1) digital imaging system, (2) ICDP Drilling Information System (ESO)

disconformity

discontinuity

discordance

DIT Dual Induction Tool [logging]; Phasor Dual Induction-Spherically Focused Resistivity Tool

DLIS digital log information standard

DLL Dual Laterolog [logging]

dm decimeter

DMCG Data Management Coordination Group

DNA deoxyribonucleic acid (does not need to be defined in text)

DO dissolved oxygen

DOC dissolved organic carbon

Dogtooth

DOI document object identifier

dolostone

dope [drilling]

double piston coring [drilling]

downcore

downcurrent

downcutting

downdepth

downdip

down-dropped

downfan

downflow

downgoing

downhole

downlap

download

downsection

downslope

downtime

downwelling

DP (1) dynamic positioning [ship]; (2) drill pipe [drilling]

DPS dynamic positioning system [ship]

DQ Dril-Quip [drilling]

drawdown

drawworks [ship]

DRF drilling depth below rig floor

DRH bulk density correction (HLDS) [logging]

DRHO bulk density correction (HLDS) [logging]

drill bit

drill collar (n., adj.)

drill core

driller

drillers depth (no apostrophe)

drill floor (n., adj.) also “rig floor”

drill hole

drill-in casing

drilling (also “washing”)

drilling fluid (n., adj.)

drilling line

drilling mud

drilling parameters

drillover (n.)

drill pipe (n., adj.)

drillship

drill site

drill string (n., adj.)

DRM depositional (or detrital) remanent magnetization [science, paleomagnetism]

dropstone

dry bulk density

dry water content

DSA (1) drill string acceleration tool; (2) downhole seismic array

DSDP Deep Sea Drilling Project

DSF drilling depth below seafloor

DSI Dipole Shear Sonic Imager (also “Dipole Sonic Imager”)

DSOW Denmark Strait Overflow Water

DSS drilling sensor sub; downhole sensor sub [drilling]

DTC (1) digital telemetry cartridge; (2) compressional-wave traveltime logs [logging]

DTCO compressional wave delay time (DSI) [logging]

DTSM shear wave delay time (DSI) [logging]

DTSR delta-t shear wave traveltime reconstructed

DTST Stonely wave delay time (DSI) [logging]

dual elevator [drilling]

ductile

D/V Drilling Vessel

DWOB downhole weight on bit [drilling]

dynamic-positioning (adj.)

-E-

E&O Education and Outreach

EAC East Antarctic Current

Earth [used as a planet]

eastern equatorial Pacific

EBSD electron backscattering diffraction

eccentralizing

eccentricity

ECD (1) equivalent circulating density [drilling]; (2) electron capture detector

ECGR environmentally corrected gamma ray (SGT) [logging]

echinoid

echo sounder (n., adj.)

ECORD European Consortium for Ocean Research Drilling

EDAX energy dispersive analysis, X-ray

EDS energy dispersive spectrometry

EDTA ethylenediamine tetra-acetic acid; also disodium ethylenediamine tetra-acetate

EDTC Enhanced Digital Telemetry Cartridge [logging]

EDX energy dispersive X-ray analyzer

EEOC Early Eocene Climatic Optimum

Eemian [time period]

EEZ Exclusive Economic Zone

EFA electrofacies [logging]

EGU European Geosciences Group

Eh redox (oxygen reduction) potential [science, chemistry]

eigenvalue

EIS environmental impact statement (or “study”)

electron backscattering diffraction EBSD

email

emf (or “EMF”) electromotive force

E-MORB enriched mid-ocean-ridge basalt

EMPA electron microprobe analysis

EMS Environmental Measurement Sonde [logging]

emu (unit of electromagnetism)

end cap (n., adj.)

end-member (n., adj.)

end of hole EOH

end point (n., adj.) completion of a process

endpoint (n.) value at end of a vector [paleomagnetism]

en echelon (not italicized)
ENSO El Niño Southern Oscillation
Eocene (Eoc.)
EOH end of hole
eolian (not “aeolian”)
EOM extractable organic matter [science, chemistry]
EOP end of pipe [logging]
EOT Eocene–Oligocene transition
EPC European Petrophysical Consortium
EPCS extended punch coring system [drilling; CDEX]
epitactic
epm equivalents per million
EPMA electron probe microanalyzer [science, chemistry]
EPR East Pacific Rise
EPSP Environmental Protection and Safety Panel
EPT East Tasman Plateau
equal-area projection
equant
Equator
ERB Editorial Review Board [publications]
ERS Electronic Release System
ESCS extended shoe coring system [drilling; CDEX]
esker (not “eskar”)
ESO ECORD Science Operator
ET electronics technician [IODP ship]
ETA estimated time of arrival
ETBS Elevated Temperature Borehole Sensor
ETD estimated time of departure
ETM Eocene thermal maximum
euهدral
eukaryote
eustacy
eustatic
eV electron volt (unit of energy potential)
evaporites (n.)
EXN extended nose corer [drilling; ESO]
extra- (generally closed up as a prefix)
extraclast

-F-

F (1) Fahrenheit (unit of temperature); (2) farad (unit of capacitance)

f fugacity (followed by chemical subscript)

FA first appearance [science, biostratigraphy]

FAAD first abundant appearance datum [science, biostratigraphy]

facies (singular and plural)

FAD first appearance datum [science, biostratigraphy]

fall-in (n.)

fallout

fast line [drilling]

fast-spreading center

fauna

faunas

FCO (1) first common occurrence [science, biostratigraphy]; (2) first consistent occurrence

FCP fall cone penetrometer [science, physical properties]

Fe oxyhydroxide (no hyphen as adj.)

ferrimagnetic

ferromagnetic

FFF free-fall funnel [drilling]

FFQ ferrosilite-fayalite-quartz (geobarometer)

FH full hole [drilling]

fiber-optic (adj.)

FID flame ionization detector [science, chemistry]

fine-grained clays

fining-downward (adj.)

fining-upward (adj.)

finite-difference method

fish [drilling]

FISH fluorescent in situ hybridization [science, microbiology]

fishing tool [drilling]

***f-k* filter** [science: seismic]

flat lying (adj.)

FlexIT (replaced by Icefield MI-5 tool) [drilling]

floatstone

float valve [drilling]

FLOCS Flow-through Osmo Colonization System [CORKs]

floodplain

flow base

flow-in (n.)

flow line

flowmeter

fluxgate magnetometer

flysh

FMS Formation MicroScanner [logging]

FMS-sonic [logging]

FO first occurrence [science, biostratigraphy]

footwall (n., adj.)

foraminifer(s); foraminifera authors choose use case

fore arc (n.; not “forearc”) [volume specific] **fore-arc** (adj.)

fore reef (n.) **fore-reef** (adj.)

foreset

foreslope

forward [ship]

FOV field of view [science, microscopy]

framestone

freestone

freeze-dried (n., adj.)

freeze-dry (v.)

freshwater

frequency-domain method

FRIS fayalite-rutile-ilmenite-silica (geobarometer)

FRP fiber-reinforced plastic

FTIR Fourier transform infrared spectroscopy [science, chemistry]

fugacity

FV flapper valve [drilling]

FWHM full width at half maximum

FZ (1) fracture zone; (2) fault zone

-G-

G (1) Giga (SI unit); (2) specific gravity (no unit); (3) gauss (unit for magnetic induction)

g (1) gram (unit of mass); (2) gravity field strength

Ga giga-anum (billions [10^9] of years before the present)

GAD geocentric axial dipole [science, paleomagnetism]

gamma ray [n., adj.]

gAPI American Petroleum Institute gamma radiation units

gases

gas hydrate (n., adj.) (see “clathrate”)

gasteropod (use “gastropod”)

gauge

Gauss Chron

Gaussian distribution bell curve

GB gigabytes

GBM Goettingen tri-axial borehole magnetometer

GC gas chromatography [science, chemistry]

GC-FID gas chromatography with flame-ionization detection

g/cm³ grams per cubic centimeter (not “cc”) (unit for density)

GC-MS gas chromatography–mass spectrometry [science, chemistry]

GCR Gulf Coast Repository (TAMU)

GDGT glycerol dialkyl glycerol tetraethers [science, chemistry]

Gelasian (Gel.)

geo- (generally closed up as a prefix)

GEODESC

geologic

geomagnetic field (n., adj.)

GEOMAR (now Helmholtz Centre for Ocean Research Kiel - March 2019) FRG Research Center
for Marine Geosciences

GeoRef geological reference database of the AGI

geotherm

geothermobarometry

geoVISION (logging)

GERM Geochemical Earth Reference Model

GF growth factor [science, core-log-seismic integration]

GFZ Charlie Gibbs Factor Zone

GHSZ gas hydrate stability zone

GI generator-injector

Gilbert Chron**GIS** geographic information system(s)**GISP** Greenland Ice Sheet Project; also GISP2**glacigenic****glacioeustasy****glacio-eustatic****glaciogenic****glaciomarine****globorotaliid****glomerophyric****glomeroporphyritic****GMBM** Gottingen Borehole Magnetometer [logging]**GMT** Greenwich Mean Time (replaced by UTC)**GNAIW** Glacial North Atlantic Intermediate Water**GNS** green nonsulfur bacteria [science, microbiology]**go-devil** [logging]**goethite****Gondwana****Gondwanaland****goniometer****GPa** gigapascal (unit of pressure)**GPIT** General Purpose Inclinometry Tool [logging]**gpm** gallons per minute (use “gal/min”)**GPS** Global Positioning System [ship] (do not need to define)**GPTS** geomagnetic polarity timescale [science, biostratigraphy/magnetostratigraphy]**GR** natural gamma ray logging tool [logging]**GRA** gamma ray attenuation [core logging]**grain size analyzer****grainstone****gram-negative bacteria** [science, microbiology]**gram-positive bacteria** [science, microbiology]**granoblastic****GRAPE** (replaced by GRA; do not use)**gravel-sized** (adj.)**gravity core, gravity coring** (n., adj.)**gray** (not “grey”)**graystone****graywacke**

Greenhouse Earth

greenhouse gas (n., adj.)

Greenland Ice Sheet

greenschist

greigite

GRIP Greenland Ice Core Project

GRM gyroremanent magnetization [science, paleomagnetism]

groundmass

groundtruth

groundwater (n., adj.)

GS overshot [drilling]

GSA Geological Society of America

Gt gigaton

guide base [drilling]

guide horn (n., adj.) [ship]

guyot

GVR geoVISION resistivity tool (at the bit)

Gy gigayears

gyttja [geology]

-H-

half graben (n.) **half-graben** (adj.)
half-life
half-space
halfway
half-width
handheld
hand lens
hanging wall (n., adj.)
hardground
hard rock (n., adj.)
Hauterivian (Haut.)
HAZI hole azimuth (GPIT) [logging]
HBCU Historically Black Colleges and Universities
HC hydrocarbons [science, chemistry]
HCGR computed gamma ray [logging]
HCO highest common occurrence [science, biostratigraphy]
HDPE high-density polyethylene
headspace (n., adj.)
heat flow (n., adj.)
heavy-wall drilling joints [drilling]
Heinrich Event
hemi- (generally closed up as a prefix)
hemipelagic
hertz (Hz) (SI unit of frequency)
heterochthonous
hexametaphosphate
hexapycnometer [science, physical properties]
HF hydrofluoric acid
HFK potassium measurement (HNGS) [logging]
HFS high-frequency depositional sequences
HFSE high field strength elements [science]
HFU heat flow units
HI hydrogen index [science, chemistry]
hiatus
hiatuses
high ground
highstand

HIRM hard isothermal remanent magnetization [science, paleomagnetism]

HKLD hook load [drilling]

HLAPC half-length advanced piston corer

HLDS Hostile Environment Litho-Density Sonde [logging]

HLDT Hostile Environment Litho-Density Tool [logging]

HLQ half-space needle probe [science: phys props]

HNGS Hostile Environment Natural Gamma Ray Sonde [logging]

HO highest occurrence [science, biostratigraphy]

Holocene (Holo.) (not “Recent”)

holohyaline

homogeneous (not “homogenous”)

homolog

hornblende

horst

horst-like

hot plate

hotspot

HPC hydraulic piston corer [drilling; ESO]

HPCS hydraulic piston coring system [drilling; CDEX]

HPLC high-pressure liquid chromatography [science, chemistry]

HQ mining-style core barrel [drilling; ESO]

HREE heavy rare earth element(s) [science, chemistry]

HRLA High-Resolution Laterolog Array [logging]

HRRS hard rock reentry system [drilling]; replaced by HRT

HRT hydraulic release tool [drilling]; replaced HRRS

HRVCD hard rock visual core description

HS headspace sampling

HSE health, safety, and environment

HSGR total spectral gamma ray [logging]

HST highstand systems tract

HTHO thorium measurement (HNGS) [logging]

HURA uranium measurement (HNGS) [logging]

HYACE hydrate autoclave coring equipment

hyaloclastite

hyalocrystalline

hyalophitic

hyalopilitic

hypabyssal

hyper- (generally closed up as a prefix)

hyperthermal

hypo- (generally closed up as a prefix)

hypocrystalline

hypohyaline

hysteresis

-I-

IAPSO International Association for the Physical Sciences of the Oceans

IC (1) inorganic carbon; (2) ion chromatography

ICBN International Code of Botanical Nomenclature

ICDP International Continental Scientific Drilling Program

Icefield MI-5 core orientation tool [downhole measurements]

icehouse

Icehouse Earth

Iceland-Greenland Ridge

ice-rafted (adj.)

ice sheet (n., adj.)

ichnofabric

ICP inductively coupled plasma spectroscopy [science, chemistry]

ICP-AES inductively coupled plasma–atomic emission spectroscopy/spectrometry (do not use ICP-OES) [science, chemistry]

ICP-MS inductively coupled plasma–mass spectrometry/spectroscopy [science, chemistry]

ICP-OES inductively coupled plasma–optical emission spectrometry/spectroscopy (use ICP-AES) [science, chemistry]

ICS International Commission on Stratigraphy

ICZN International Commission on Zoological Nomenclature

ID (1) inside/inner diameter; (2) identification

IDEAL integrated drilling evaluation and logging [logging]

IDPH deep induction phasor-processed resistivity (DIT) [logging]

IFREE Institute for Research on Earth Evolution

IGRF International Geomagnetic Reference Field

ILD deep induction resistivity [logging]

illite

illitization

ILM medium induction resistivity [logging]

IMAGES International Marine Past Global Changes Study

impactite

IMPH medium induction phasor-processed resistivity (DIT) [logging]

INAA instrumental neutron activation analysis

inboard

inch “inch(es)” is always spelled out to avoid confusion with the word “in”

inc. sed. incertae sedis [science, biostratigraphy]

indet. Indeterminate [science, biostratigraphy]

indexes (in books), but “indices” of refraction index properties

index properties (n.) moisture and density analyses (use “MAD”)
index species [science, biostratigraphy]
inflow
in-line
inner core barrel [drilling]
inorganic carbon (n., adj.)
insertion probe (n., adj.)
in situ (n., adj.) no italics
inter- (generally closed up as a prefix)
interbedded
intercalation
interglacial
InterMARGINS International Margins Program
InterRidge an initiative for international cooperation in ridge-crest studies
interval usually a general term and is not capitalized
intra- (generally closed up as a prefix)
intrareef
IO(s) Implementing Organization(s)
IODP International Ocean Discovery Program (spell out “Integrated Ocean Drilling Program”)
ion-exchange reactions [science, chemistry]
Ionian (replaced with “Middle Pleistocene” in the 2012 timescale)
IPA isopropyl alcohol [science]
IPL intact polar lipid
IR (1) iron roughneck [drilling]; (2) infrared [science]; (3) insoluble residue
IRD ice-rafted debris
IRM isothermal remanent magnetization [science, paleomagnetism]
ISE ion-specific electrode [science, chemistry]
iso- (generally closed up as a prefix)
iso-butane
isotropy
ISOW Iceland Sea Overflow Water
ISP Initial Science Plan
ISSN International Subcommission on Stratigraphic Nomenclature
ITCZ Intertropical Convergence Zone
ITRM inverse thermo-remanent magnetization [science, paleomagnetism]
ITT interval transit time
ITZ imbricate thrust zone
IUGS International Union of Geological Sciences

IW interstitial water (n., adj.) (sample designation) [curation]

IWG+ International Working Group Plus

IWS instrumented water sampler

-J-

J joule (unit of work)

JAMSTEC Japan Agency for Marine-Earth Science and Technology

Janus ODP/USIO database system (pre-Expedition 317)

Jaramillo Subchron

jars [drilling]

J-CORES Japanese database system

JD Julian day; the number of a day within a calendar year

J-DESC Japan Drilling Earth Science Consortium

jet in (v.) **jet-in** (adj.) [drilling]

JFR Juan de Fuca Ridge

JOIDES Resolution or *Resolution*; also “JR”

joint [drilling]

JRSO *JOIDES Resolution* Science Operator

JSPW Japan Sea Proper Water

junk [drilling]

junk basket [drilling]

junk mill [drilling]

junk sub [drilling] (also “boot basket,” “trophy sub,” “skirted sub”)

Jurassic

-K-

K Kelvin degrees (unit of absolute temperature; no degree symbol)

k (1) (lowercase kappa) low-field magnetic susceptibility; (2) SI abbreviation for kilo [10^3]

ka kiloyear; thousands of years before the present (unit of age)

Kaena Subchron**karst**

kb (or kbar) kilobar (unit of pressure)

kcal kilocalorie (unit of energy)

KCC Kochi Core Center

kelly [drilling]

kerf [drilling]

K-feldspar

KFTS Kuster Flow-Through Sampler (see also Kuster FTS)

KFZ Kane Fracture Zone

kg kilogram (unit of mass)

kHz kilohertz (unit of frequency)

KIGAM Korea Institute of Geoscience and Mineral Resources

Kimmeridgian

Kinley wireline cutter and crimper [drilling]

kips kilopounds (do not use; convert to pounds [lb] by multiplying by 1000)

kJ kilojoule (unit of work)

km kilometer (unit of length)

km/s kilometers per second (unit of speed)

knobby joints [drilling]

Koenigsberger ratio (Q) [paleomagnetism]

K/P usually Cretaceous/Paleogene; see below

kPa kilopascal (unit of pressure)

K/Pc Cretaceous/Paleocene

K/Pg Cretaceous/Paleogene

K/T Cretaceous/Tertiary boundary (outdated; see "K/P," "K/Pc," "K/Pg")

kt knot(s); nautical miles/hour

Kuroshio Current**kurtosis**

Kuster FTS Kuster Flow-Through Sampler (see also KFTS)

kV kilovolt (unit of potential energy)

ky thousand years (unit of time duration)

-L-

L liter (unit of volume)

L* lightness; color reflectance (no unit)

LA last appearance, also lowest appearance [science, biostratigraphy]

LAAD last abundant appearance datum [science, biostratigraphy]

L*a*b* color reflectance color space

Labstack [ship]

LAC linear attenuation coefficient

LAD last appearance datum, also lowest appearance datum [science, biostratigraphy]

LA-ICP-MS laser ablation-inductively coupled plasma-mass spectrometry [science, chemistry]

landmass (n.)

Langhian (Lang.)

lapillistone

Laschamp Event

Layer 3 (lower crust/gabbro)

lb pound (unit of mass; use only for drilling)

LCAL caliper [logging]

LCD large-diameter coring

LCM lost circulation material [drilling]

LCO (1) last common occurrence; (2) lowest consistent occurrence [science, biostratigraphy]

L-CORK lateral CORK

LDC low detrital carbonate (events)

LDEO Lamont-Doherty Earth Observatory

LDEO-BRG Lamont-Doherty Earth Observatory Borehole Research Group

LDRZ landward-dipping reflector zone

LDVT linear voltage displacement transformer

LDW Lower Deep Water

least-square

left-coiling (adj.)

LEH logging equipment head [logging]

LEH-MT logging equipment head-mud temperature [logging]

LEH-QT logging equipment head-Q tension [logging]

leucocratic

LFV lockable float valve [drilling]

LGH lower guide horn [ship]

LGM Last Glacial Maximum

lherzolite

LILE large ion lithophile element [science, chemistry]

LIMS Laboratory Information Management System

linescan

LIP large igneous province

LIS Laurentide Ice Sheet

lithologic

LLSVP large low shear-wave velocity province

LMWFA low molecular weight fatty acids

LO (1) laboratory officer; (2) last (lowest) occurrence [science, biostratigraphy]

LOI loss on ignition [science]

long-core measurements

low latitude (n.) **low-latitude** (adj.)

lowstand

LPTM Late Paleocene Thermal Maximum (also Paleocene/Eocene Thermal Maximum [PETM])

LREE light rare earth element(s) [science, chemistry]

LRF LWD depth below rig floor

LSF LWD depth below seafloor

LSR linear sedimentation rate [science]

LSS Long Spacing Sonic [logging]

LST lowstand systems tract

LSW Labrador Sea Water

LTSZ large thrust slice zone

Lutetian (Lut.)

LWC logging while coring (n.); logging-while-coring (adj.)

LWD logging while drilling (n.); logging-while-drilling (adj.)

LWG laboratory working groups

-M-

M (1) molar; (2) SI prefix for mega (10^6)

m (1) SI prefix for milli (10^{-3}); (2) meter (SI unit for length)

MΩ megaohm (unit of electrical resistance) [science, chemistry]

mA milliampere (unit of electrical current)

Ma mega annum (millions of years before the present)

Maastrichtian (Maast.) (not “Maestrichtian”)

MABS muscovite-almandine-biotite-sillimanite (geobarometer)

macro- (generally closed up as a prefix)

macroquartz

MAD (1) moisture and density; (2) mean angular deviation; (3) mean angular dispersion; (4) maximum angular deviation

mafic

magnesian

magnetic field (n., adj.)

magnetic hysteresis

magnetic susceptibility (n., adj.)

magnetometer

magnetotelluric

major element (n., adj.)

Mammoth Subchron

mantle

MAR (1) Mid-Atlantic Ridge; (2) mass accumulation rate

MarE3 Institute for Marine-Earth Exploration and Engineering (replaced **CDEX** in 2019)

MARK Mid-Atlantic Ridge Kane Fracture Zone

Marshall Paraconformity

MARUM Center for Marine Environmental Sciences

massif

MAT (1) Middle America Trench, (2) Mid-Atlantic Transect

matrix

matrixes

matrix-supported (adj.)

Matuyama Chron

MAXIS multi-tasking acquisition and imaging system [logging]

Mb megabit

MB megabyte

mb millibar (unit of pressure)

Mba megabar (unit of pressure)
MBIO microbiology sample [curation]
MBR mechanical bit release [drilling]
mbrf meters below rig floor [drilling]
mbsf meters below seafloor
mbsl meters below sea level
mcd meters composite depth
MCG Miscellaneous Crenarchaeotal Group (bacterial group)
MCM Schlumberger Minimum Configuration MAXIS
MCR methyl coenzyme-M reductase [science, microbiology]
MCS multichannel seismic
MDCB motor-driven core barrel [drilling]
MDF median destructive field
MDHDS motion decoupled hydraulic delivery system
MECO Middle Eocene Climatic Optimum
mega- (generally closed up as a prefix)
megablock
megabreccia
megasplay
megathrust
meltwater
Mesozoic (Mesoz.)
Messinian (Mess.)
meta- (generally closed up as a prefix)
MeV mega electron volts (unit of energy)
MEXT Ministry of Education, Culture, Sports, Science, and Technology (Japan)
MFTM Multifunction Telemetry Module [logging]
MFS maximum flooding surface
mg milligram (unit of mass)
MGT Multi-Senor Spectral Gamma Ray Tool [logging]
mho (unit of conductance)
MHz megahertz (unit of frequency)
mHz millihertz (unit of frequency)
mi² square miles
micro SI prefix for 10⁻⁶
micro- (generally closed up as a prefix)
microbiological

microbreccia

microcore

microcross-lamination

microcycles

microfault

microfaulting

microfauna

microflaser

microfossils

microfractures

microgranular

micron (μm); use SI unit “micrometers” instead

micronodules

microresistivity

microslumps

microtectonic

microunits

mid- (generally closed up as a prefix)

midcontinental

middepth

Middle America Trench

midlatitude

mid-ocean

mid-oceanic

midpoint

midslope

Milankovitch cyclicity

mill [drilling]

milli SI prefix for 10^{-3}

milliolid

min minute(s)

mineralogical

mini- (generally closed up as a prefix)

minicore

minicube

mini-puck (exception to closed up rule)

minitron

minor element (n., adj.)

Miocene (Mio.)**MIS** marine isotope stage**mL** milliliter (unit of volume)**MM** scale-modified Mercalli scale (earthquake characterization)**mM** millimolar; millimoles/liter (unit of concentration in aqueous matrix) [science, chemistry]**mm** millimeter (unit of length)**MMM** multisensor magnetometer module**mmol** millimoles (unit of amount of chemical substance) [science: chem]**m/my** meters per million years (sedimentation rate)**modeling** (not modelling)**MoES** Ministry of Earth Sciences (India)**Moho** Mohorovicic seismic discontinuity [science]**Mohorovicic** seismic discontinuity (Moho) at the Layer 2/3 boundary**mol** mole (unit of amount of chemical substance) [science, chemistry]**mol%** molar percent**molluscan** (adj.)**mollusk** (n.)**moonpool** [ship]**MOR** mid-ocean ridge**MORB** mid-ocean-ridge basalt**morphological****MOST** Ministry of Science and Technology (PR China)**MOU** Memorandum of Understanding**mousse-like****moveout** [logging]**MPa** megapascal (unit of pressure)**MPN** most probable number method [science: microbio]**MPS** monopole P-wave/S-wave [logging]**MPT** mid-Pleistocene transition**MREE** middle rare earth elements [science: chem]**MREFC** Major Research Equipment and Facilities Construction [NSF]**MRU** motion reference unit**MS** (1) mass spectrometry/spectroscopy; (2) magnetic susceptibility**ms** milliseconds (e.g., msbsf)**msb** meters subbasement**MSCL** multisensor core logger (core logging; CDEX)**MSCL-W** whole-round multisensor core logger (core logging; CDEX)**MSDS** Material Safety Data Sheet [OSHA]

MSL magnetic susceptibility loop, loop magnetic susceptibility

msl mean sea level (also “MSL”)

MSP (1) point magnetic susceptibility [half-core logging]; (2) mission-specific platform

MSS Magnetic Susceptibility Sonde

MST (1) multisensor track [whole-core logging] [ODP, ESO, CDEX; replaced by WRMSL in IODP]

mT millitesla (unit of magnetism)

MTD mass transport deposit

MTF multiple toolface

MTFS Multi-Temperature Fluid Sampler

MTL miniaturized temperature data logger [logging]

MTT Modular Temperature Tool [logging]

mud drilling mud [drilling]

mud clast (n., adj.)

mudflow

mudline (n., adj.) [drilling]

mud motor [drilling]

mud sweep [drilling]

multi- (generally closed as a prefix, except when i is doubled)

multichannel

multilog

multisensor track MST [ODP, CDEX, ESO; replaced with WRMSL in IODP]

multishot [drilling]

multispectral

mu-metal

Munsell color system

MWC measurement while coring (n.); measurement-while-coring (adj.) [drilling]

MWD measurement while drilling (n.); measurement-while-drilling (adj.) [drilling]

MWP meltwater pulse

My million years (unit of duration)

Mylar (trademarked)

-N-

n newton (unit of force)

N number

n SI abbreviation for nano (10^{-9})

n. gen. new genus (also Latin *gen. nov.*) [science, biostratigraphy]

n. sp. new species (also Latin *sp. nov.*) [science, biostratigraphy]

NAA neutron activation analysis [science, chemistry]

NAC network admission control

NACSN North American Commission on Stratigraphic Nomenclature

NAD (1) nonaxial-dipole [science, paleomagnetism]; (2) North American datum

NADW North Atlantic Deep Water

NAIW North Atlantic Intermediate Water

nannofossil ooze

nannoplankton

nanopure water

NAS network attached storage

NanTroSEIZE Nankai Trough Seismogenic Zone Experiment

***n*-butane** normal isomer of butane (C_4)

NCR noncontact resistivity [core logging]

NCW Northern Component Water

near-infrared (n., adj.)

nearshore

near-surface (adj.)

needle probe (n., adj.)

Neogene (Neog.)

neoglaciation

NERC Natural Environment Research Council (U.K.)

NGA natural gas analyzer [science: gas safety]

NGDC National Geophysical Data Center (of NOAA)

NGR natural gamma radiation/ray [whole-core logging; downhole logging]

NGRL Natural Gamma Radiation Logger [whole-core logging]

NGT Natural Gamma Ray Spectrometry Tool [logging]

NHG Northern Hemisphere glaciation

NIST National Institute of Standards and Technology

nm nanometer (unit of length)

NMDC nonmagnetic (stainless steel) drill collar [drilling]

nmi nautical mile [ship]

NMO normal moveout [logging]
N-MORB normal mid-ocean-ridge basalt
NMR nuclear magnetic resonance [science: paleomag]
NOAA National Oceanic and Atmospheric Administration
non- (generally closed up as a prefix)
nonbiogenic
nondeposition
nonindurated
norm normative analysis (calculated)
North American plate
North Atlantic Ocean
Northern Hemisphere
NorthGRIP
North Indian Intermediate Water
North Pacific Ocean
NPD North Pacific Diatom (Zone) [science, biostratigraphy]
NPDW North Pacific Deep Water
NPHI neutron porosity log [logging]
NPIW North Pacific Intermediate Water
NRM natural remanent magnetization [science, paleomagnetism]
NSF National Science Foundation
NSOW Norwegian Sea Overflow Water [science]
NTD Neogene tropical diatom (zonation)
Nunivak Subchron

-O-

OAE oceanic anoxic event (general); Oceanic Anoxic Event (followed by a number/letter combination)

OBH (1) ocean borehole seismometer; also OBHS; (2) ocean-bottom hydrophones

OBI optical borehole image [logging]

obliquity

OBS ocean-bottom seismometer

OCB outer core barrel [drilling]

OCC oceanic core complex

occipital

ocean floor (n., adj.)

OCR overconsolidation ratio

OD outside/outer diameter

ODF orientation distribution function

ODL Overseas Drilling Limited

ODP Ocean Drilling Program

Oe oersted (unit of magnetic field)

offlap

offset

offshore (adj.); **off shore** (adv.)

ohm (Ω) (unit of resistance)

ohm-meter (Ωm) (unit of resistivity)

OI oxygen index [science]

OIB ocean-island basalt; also oceanic island basalt

oikocryst

Olduvai Subchron

Oligocene (Oligo.)

OM organic matter [science]

OMHC offshore modular HELP Cab

OMZ oxygen minimum zone

onboard (adj.) “an onboard computer”; **on board** (n.) not “onboard”; thus, “aboard ship,” not “onboard ship”

onlap

onloading

onset

onshore (adj.)

on-site (adj.); **on site** (prep.)

oid

oolitic

OOST out-of-sequence thrust zone

opal-A

opal-CT

open hole [drilling]

open-marine (adj.)

open-ocean (adj.)

Operations Superintendent [ship]

OPIC other program integration costs

organic carbon (n., adj.)

organic matter (n., adj.)

organic-rich

OsmoSampler

OSN Ocean Seismic Network

OSP onshore science party (ESO)

ostracod

outcrop

outflow

out-of-sequence thrust (OOST)

over- (generally closed up as a prefix)

overconsolidation

overdrill(ed, ing)

overload

overpressure

overpull

overshot (n.) [drilling]

-P-

P pressure

p pico (SI abbreviation for 10^{-12})

Pa pascal (unit of stress/pressure = 1 newton/meter² [1 N/m²])

PAC paleointensity-assisted chronology

packer [drilling]

pack off (v.) [drilling] **pack-off** (n.) [drilling]

pahoehoe lava

palagonitization

paleo- (generally closed up as a prefix)

paleoceanography

Paleocene (Paleoc.)

paleoclimatology

paleodepth

paleoequator

paleoequatorial

Paleogene (Paleog.)

paleolatitude

paleomagnetic

paleomagnetism

paleome

paleontological

paleopole

paleoposition

paleoshoreline

paleoslope

paleostress

paleotemperature

paleowater depth

Paleozoic (Paleoz.)

palynology

PANGAEA Publishing Network for Geoscientific and Environmental Data

paraconformity

PBS phosphate-buffered saline [science, microbiology]

PCA principal component analysis [science, paleomagnetism]

PCD polycrystalline diamond [drilling]; also PDC

pcf pounds per cubic foot

PCG IODP-MI Paleontology Coordination Group

PCR polymerase chain reaction [science, microbiology]

PCS pressure core sampler [drilling]

PDB Peedee belemnite [science, isotopes]

PDC polycrystalline diamond compact [drilling]; also PCD

PDCM positive displacement coring motor [drilling]

PDM positive displacement motor [drilling]

PDR precision depth recorder [science]

PDRM postdepositional remanent magnetization [science, paleomagnetism]

PEAT Pacific Equatorial Age Transect

PEF photoelectric effect; also PEFL [logging]

pegmatitic

PEIS Programmatic Environmental Impact Statement

pentapycnometer

peri- (generally closed up as a prefix)

periplatform

perireef

PETM Paleocene/Eocene Thermal Maximum (also Late Paleogene Thermal Maximum [LPTM])

petrologic

PEX Platform Express [logging]

PFMD perfluoromethyldecalin (tracer) [science, microbiology]

PFT perfluorocarbon tracer [science, microbiology]

pH (no unit)

phaneritic

photomicrograph (not microphotograph)

physical properties (n., adj.)

physical property (n., adj.)

PI (1) principal (primary) investigator [ODP]; (2) production index [science, chemistry]

Piacenzian (Piac.)

PICAT Petrographic Image Capture and Archiving Tool

pig [drilling]

pill [drilling]

pilotaxitic

pin [drilling]

pinch out (v.) **pinch-out** (n.)

piperacker [drilling]

pipe tally [drilling]

piston core, piston coring (n., adj.)

plane-polarized light [science, microscopy]

planktonic (not “planktic”)

Planolites

plate tectonic (n., adj.)

Pleistocene

PLFA phospholipid fatty acid analysis

Pliocene

Pliocene–Pleistocene, Pliocene/Pleistocene (never Plio-Pleistocene, etc.)

PMAG paleomagnetism

PMCH perfluoromethylcyclohexane (tracer) [science, microbiology]

PMO Program Member Offices

PMT (1) Project Management Team; (2) photomultiplier

poikilitic

poikilotopic

Polar Front

polar wander

POOH pull out of hole [drilling]

pore fluid (n., adj.)

pore water (n., adj.)

porcellanite (not “porcelanite”)

porphyritic

porphyroclastic

porphyry

port call (n., adj.)

post- (generally closed up as a prefix)

postcruise

postdate

postdepositional

postglacial

postrift

PP physical properties (a.k.a. “fizz props” or “fish pops”) [science]

ppb parts per billion (unit of concentration)

ppg pounds per gallon (use “lb/gal”)

ppm parts per million (unit of concentration)

PPM Project Portfolio Management

ppmv parts per million by volume (unit of concentration, usually in headspace gas)

ppt (1) parts per thousand; use “‰” [permil]; (2) parts per trillion; (3) precipitate

PPT Pliocene–Pleistocene transition

pre- (generally closed up when used as a prefix)

precruise

predate

predominant (adj.)

predominate (v.)

pre-evaporitic deposits

pre-rift

present-day (adj.)

prestack

pseudo- (generally closed up as a prefix)

pseudotachylytic

Priabonian (Priab.)

print out (v.) **printout** (n.)

protodécollement

protomylonitic

PSB Porcupine Seabight

PSD (1) pseudosingle-domain (adj.); pseudosingle domain (n.) [science, paleomagnetism]; (2) power spectral density

psi pounds per square inch (unit of pressure)

PSV paleosecular variation [paleomagnetism]

PTFE polytetrafluoroethylene (generic name for Teflon)

PTRM partial thermoremanent magnetization (science, paleomagnetism)

PTZ protothrust zone

pumiceous (not pumaceous)

PUPPIs pop-up pore pressure instruments [logging]

pusher [drilling]

PVC polyvinyl chloride

PVT pressure-volume-temperature

***P*-wave** primary seismic or compressional wave [science]

PWB *P*-wave velocity (discrete, measured by bayonet)

PWC *P*-wave velocity (discrete, measured by caliper)

PWL *P*-wave logger [whole-core logging, physical properties]

PWL-D *P*-wave logger for discrete samples (CDEX)

PWV *P*-wave velocity

pXRF portable X-ray fluorescence spectrometer (or spectrometry)

pyrometamorphic

pyrrhotite

-Q-

QA quality assurance (defined in Merriam-Webster; no need to define in text)

QAPF quartz-alkali feldspar-plagioclase-feldspathoid (frequently used “QAPF diagram”)

QA/QC quality assurance/quality control (defined in Merriam-Webster; no need to define in text)

QC quality control (defined in Merriam-Webster; no need to define in text)

QLM quartz-feldspathoid-olivine and ore minerals plot

qPCR quantitative polymerase chain reaction [science, microbiology]

Q ratio Koenigsberger ratio

quadrupole

quartzofeldspathic

quasistatic

Quaternary (Quat.)

-R-

R multivariate correlation coefficient (also R^2 and r ; electrical resistance)

R^2 coefficient of determination (not “ r^2 ”)

r bivariate correlation coefficient

RAB resistivity-at-the-bit tool [logging]

rabbit [drilling]

radial

radiolarian (not “Radiolaria”)

rare earth element (n., adj.)

rathole [drilling]

RBI Rock Bit International (drill-bit manufacturer) [drilling]

RCB rotary core barrel [drilling]

RDNA ribosomal DNA

real time (n.) **real-time** (adj.)

Recent/Modern use “Holocene”

re- (generally closed up when used as a prefix)

redeposited

REE rare earth element(s) [science]

reefer refrigerated core/sample storage area [curation]

reef front (n., adj.)

reentrant

reentry [drilling]

reentry cone [drilling]

relic (n.)

relict (adj.)

reoriented

resistivity at the bit (RAB) (n.) **resistivity-at-the-bit** (RAB) (adj.)

reticulate

Reunion Subchron

reversed gradient

reversed polarity

reverse fault (seismics, structural geology)

reverse grading (use “inverse grading”)

RFP request for proposals

RFQ request for quotations

RGB red-green-blue color space [half-core logging/imaging]

rheological

Rhizon (trademarked) [science, chemistry] - modifier; must be followed by a noun (Rhizon sampler, Rhizon data, etc.)

RHOB bulk density measurement (HLDT) [logging]

RHOM bulk density [logging]

RI (1) refractive index; (2) reduction index

ridgetop

rig down (v.)

rig floor (n., adj.)

rig up (v.) **rigup** (n.)

RigWatch [software]

RIH run in hole [drilling]

rip-up clasts

RIS Rig Instrumentation System [drilling]

riser [drilling]

riserless (not “non-riser”) [drilling]

RITF Regional Integration Test Facility

RMM Remote Memory Module

RMS root mean square (e.g., in seismic velocities) [science]

RNA ribonucleic acid

Rock-Eval (not used during IODP)

rock saw

roller-cone bit [drilling]

ROP rate of penetration [drilling]

roughneck [drilling]

round trip [drilling]

roustabout [drilling]

ROV remotely operated vehicle [science]

rpm revolutions per minute (defined in Merriam-Webster; no need to define in text)

rRNA ribosomal ribonucleic acid (ribosomal RNA)

RSC reflectance spectroscopy and colorimetry

RSD relative standard deviation (%)

RSMAS Rosenstiel School of Marine and Atmospheric Science (University of Miami)

RS overshot [drilling]

RST rotary shifting tool [drilling]

RT (1) rotary table [drilling]; (2) round trip of the drill string (= POOH + bit change + RIH)

RTD resistance-temperature device

Rupelian (Rup.)

R-wave Rayleigh wave

RZ range zone [science, biostratigraphy]

-S-

S (1) entropy; (2) siemen (unit of conductivity)

s second

SAC Sample Allocation Committee

SAFOD San Andreas Fault Observatory at Depth

SAGMEG South African Goldmine Euryarchaeotal Group [science, microbiology]

saltwater

SAN storage area network

sand line [drilling]

sand-sized (adj.)

Santonian (Sant.)

sapropel [science]

SAR sediment accumulation rate

SAS Science Advisory Structure (IODP)

saussurite

saussuritization

saver sub [drilling]

sawtooth

SBDC seal bore drill collar [drilling]

sbsf seconds below seafloor (seismic)

SBTF Simulated Borehole Test Facility

SCBA self-contained breathing apparatus [safety]

SCIMPI Simple Cabled Instrument for Measuring Parameters In Situ

SCS single-channel seismic [science]

SD (or "sd") standard deviation

SDRM Sample and Data Request Management System

SDRS seaward-dipping reflector sequence

SeaBeam (name of company) [seismic]

Sea Beam 2000 (type of seismic equipment)

seabed

sea bottom

seafloor

seafloor-spreading center

sea-going

sea grass

sea ice (n., adj.)

sea level (n., adj.)

seamount

Seasat sea satellite

seaward

seawater

seaway

Secci

sediment accumulation (n., adj.)

sediment/basement interface (use slash with interface)

sedimentologic

SEG Y Society of Exploration Geophysicists (file format “Y”)

SEIR Southeast Indian Ridge

seismic reflection (n., adj.)

seismic stratigraphic (n., adj.)

seismicVISION (Schlumberger logging tool)

seismic wave (n., adj.)

Selandian (Selan.)

self-potential

self-reversal

SEM scanning electron microscope [science, microscopy]

semi- (generally closed as a prefix unless the vowel is doubled [exception: semiinfinite])

semiquantitatively

serpentinization

Serravallian (Serrav.)

SES sidewall-entry sub [drilling]

SET Sediment Temperature Tool [drilling]

SET2 Sediment Temperature 2 [drilling] (takes the word tool when used [e.g., we used the SET2 tool])

set back [drilling]

SETP sediment temperature pressure tool [drilling]

setup (n.)

severing [drilling]

SFL spherically focused log [logging]

SFLU spherically focused resistivity (DIT) [logging]

SFR spherically focused resistivity (DIT) [logging]

SFZ silica-free zone

SG specific gravity

SGR standard gamma ray [logging]

shallow-marine (adj.)

shallow-water (adj.)

shatterbox [science]

shear pin [drilling]
shear wave (n., adj.)
sheave [drilling]
shelf break (n., adj.)
shelf edge (n., adj.)
shelf slope (n.) **shelf-slope** (adj.)
shelly
SHIL Section Half Imaging Logger
shipboard
shiptime
SHMG Section Half Measurement Gantry
SHMSL Section Half Multisensor Logger
shore based (n.) **shore-based** (adj.)
shoreface
shoreline
short trip [drilling]
shotpoint [seismic]
SHRIMP sensitive high-mass resolution ion microprobe [logging]
SHRIMPI Short Instrument Modular Probe Installation [logging]
shuck [drilling]
SI international system of units (Système International d' Unités)
side-scan sonar
sidewall
Sidufjall Subchron
Siem Offshore AS (Siem after the first use; not SIEM)
signal-to-noise (adj.)
silica (H_4SiO_4 ; also silicate; not “silicon”)
siliceous
sill-sediment complex
silt-sized (adj.)
SIMS secondary-ion mass spectrometry [science, chemistry]
single [drilling]
single-bit [drilling]
sinker bar [drilling]
SIO Scripps Institution of Oceanography
SIRM saturation remanent magnetization [science, paleomagnetism]
site survey (n., adj.)
skate [drilling]

Skolithos

s.l. sensu lato (no italic), broadly defined [science, biostratigraphy]

slim-hole logging tools

slips [drilling]

slope-apron (adj.)

slug [drilling]

SMCS Sample Materials Curation Management System

SMDC short monel drill collar (nonmagnetic) [drilling]

smear slide (n., adj.)

SMI sulfate/methane interface

SMOW standard mean ocean water [science]

SMT sulfate–methane transition

SMTZ sulfate–methane transition zone

S/N signal-to-noise ratio

SOEST School of Ocean and Earth Science and Technology (University of Hawaii)

soft-sediment (adj.)

solid-phase (adj.)

sonic-induction tool [logging]

sonicVISION [logging]

SOP standard operating procedure

source rock (n., adj.) [science, hydrocarbon maturity]

Southern Hemisphere

Southern Ocean

SOW statement of work

SP (1) shotpoint [seismic]; (2) spontaneous potential [logging]; (3) superparamagnetic [science, paleomagnetism]

sp. species [science, biostratigraphy]

space-out (n.) [logging]

SPC Science Planning Committee

spear [drilling]

spherulitic

spm strokes per minute (use “strokes/min”) [drilling]

SPO shape-preferred orientation

spud-in [drilling]

squeeze cake (n., adj.)

SQUID superconducting quantum interference device [science, paleomagnetism]

SRA source rock analyzer [science, hydrocarbon maturity]

SRM (1) standard reference material; (2) superconducting rock magnetometer [science: paleo-

magnetism]

SRZ sulfate reduction zone

SS smear slide

s.s. sensu stricto (no italic), narrowly defined [science, biostratigraphy]

SSDB Site Survey Databank

SSP Site Survey Panel

ssp. subspecies [science, biostratigraphy]

SSR subsea release cementing system [drilling]

SSS sea-surface salinity

SST sea-surface temperature

SSW surface seawater

stabber [drilling]

stainless steel (n., adj.)

stand [drilling]

standpipe [drilling]

stationkeeping [ship]

STEM scanning transmission electron microscope

stick-slip [logging]

stillstand (n.)

STMSL Special Task Multisensor Logger

stoichiometry

stoped (step-like excavation)

STP standard temperature and pressure

STR South Tasman Rise

strap [drilling]

strike-slip (adj.)

S_u undrained shear strength

sub [drilling]

sub- (generally open as a prefix)

subaerial

subangular

subbasement

subbasin

subbottom

subchron

subhedral

subjacent

subophitic

subrounded

subsea

subseafloor

subsequence

Subtropical Divergence

sucrosic

suevitic

sulfate reduction (n., adj.)

sulphate (use “sulfate”)

sulphur (use “sulfur”)

super- (generally closed up as a prefix)

superposition

supra- (generally closed up as a prefix)

surface-seawater (adj.)

surface water (n., adj.)

SVD singular value decomposition [science, XRD]

SW sea (salt) water [drilling]

swab [drilling]

swab cup [drilling]

S-wave secondary/shear wave [science]

SWD sonic while drilling (n.); sonic-while-drilling (adj.)

swivel [drilling]

symplectic

syn- (generally closed up as a prefix)

syndepositional

synrift

syndimentary

-T-

T (1) ton; (2) tesla [unit of magnetism]
t (1) time; (2) tonne
T2P temperature dual pressure probe [drilling]
TAB time-after-bit (adj.), time after bit (n.)
tachylytic
TAG Trans-Atlantic Geotraverse
TAI thermal alteration index [science]
TAMRF Texas A&M Research Foundation
TAMU Texas A&M University
TAP Temperature/Acceleration/Pressure tool [logging]
TAZ taphronomically active zone (actively rifting zone)
TC total carbon
TCD thermal conductivity detector [science, chemistry]
TCI tungsten carbide inserts [drilling]
TCP/IP networking protocol available on the ship [computers]
TD total depth of a hole [drilling]
TDC tapered drill collar [drilling]
TDS total dissolved solids
tectono-eustacy
Teflon (trademarked; use “polytetrafluoroethylene”)
TEM transmission electron microscopy
tephrochronology
terrane
terrigenous matter (n., adj.)
Tethys
TFZ Tasman Fracture Zone
TGGE temperature gradient gel electrophoresis [science]
Thanetian (Than.)
thermal conductivity (n.) **thermal-conductivity** (adj.)
thermochronology
thin section (n., adj.)
tholeiite
tholeiitic
Thvera Subchron
tie point
TIFF tagged image file format [computers]
time-rock unit

timescale (n., adj.)

TIMS thermal ionization mass spectrometry [science, chemistry]

TLC thin-layer chromatography [science]

T_{max} [science: hydrocarbon maturity]

TN total nitrogen

TOB torque on bit [drilling]

TOBI towed ocean bottom instrument

TOC total organic carbon [science]

toe-of-slope (n., adj.)

toesets

topset

tongs [drilling]

tool joint [drilling]

toolpusher [drilling]

tool string (n., adj.)

top drive [drilling]

Tortonian (Tort.)

tortuosity

total inorganic carbon (n., adj.)

total organic carbon

TP-Fit (software used with the APCT-3)

TPW true polar wander [science, paleomagnetism]

trace element (n., adj.)

trachyandesite

trachybasalt

trachytic

track line

trade-off

traveling block [drilling]

traveltime

trench-wedge (adj.)

T-RFLP terminal-restriction fragment length polymorphism [science, microbiology]

tri- (generally closed up as a prefix)

Triassic

trip [drilling]

triple combination (n., adj.); also “triple combo” [logging]

TRM thermal remanent magnetization [science, paleomagnetism]

trondhjemite

TS (1) top sub [drilling]; (2) IODP code for thin section [curation]

TSB thin-section billet (sample designation) [curation]

TST transgressive systems tract

TTL transistor-transistor logic [logging]

tugger [drilling]

turnaround

Turonian (Tur.)

TWT two-way traveltime (not TWTT) [seismic]

Tyvek

-U-

UBI Ultrasonic Borehole Imager [logging]

UGH upper guide horn [drilling]

UHF ultrahigh frequency (n.); ultrahigh-frequency (adj.)

ultra- (generally closed up as a prefix)

un- (generally closed up as a prefix)

unconformably

unconformity

under- (generally closed up as a prefix)

underconsolidation

underpressured

underreamer

underway (adj.) **under way** (adv.)

undulating

Universal Time Coordinated (UTC)

up- (generally closed up as a prefix)

upcore

upcurrent

updip

upgoing

uphole

upload

upper slope (n., adj.)

upsection

upslope

upward-coarsening use coarsening-upward instead (adj.)

upward-finishing use finishing-upward instead (adj.)

USAC United States Advisory Committee for Scientific Ocean Drilling

USGS United States Geological Survey

UTC Universal Time Coordinated (use in place of "GMT" or "Z"; first-use definition not required)

UTM projection universal transverse Mercator projection

UV ultraviolet

UWG underway geophysics laboratory [ship]

-V-

V (1) volume; (2) volt
VAC void gas sample [curation]
Vacutainer (trademarked)
Valanginian (Val.)
variolitic
VCD visual core description form
V-CDT vs. Canyon Diablo troilite [science, isotopes]
VDN Vision Density Neutron [logging]
V-door [drilling]
VE vertical exaggeration [seismics]
Vertical Seismic Profile VSP [logging]
VFA volatile fatty acids [science, chemistry]
VGP virtual geomagnetic pole [science, paleomagnetism]
VHF very high frequency
VIT vibration isolated television [drilling]
vitrification
VLP viruslike particle [science, microbiology]
VLQ full-space needle probe [science, physical properties]
V_{max} maximum velocity
VMS volcanogenic massive sulfides
vol% volume percent
volcanic glass
volcaniclastic
volcanogenic
volcanological
volcano-tectonic (adj.)
V_p compressional wave velocity
VPC vibra-percussive corer [drilling]
VPDB Vienna Peedee belemnite [science, isotopes]
VRM viscous remanent magnetization [science, paleomagnetism]
VSAT very small aperture terminal
VSI Versatile Seismic Imager
VSMOW Vienna standard mean ocean water [science, isotopes]
VSP vertical seismic profile [logging/seismic]

-W-

W (1) watt; (2) IODP core-type letter indicating a wash core

wacke

wackestone

WAGS wollastonite-anorthite-garnet-silica (geobarometer)

wall rock (n., adj.)

wash [drilling]

wash core [drilling]

washout (n., adj.)

water column (n., adj.)

water depth (n., adj.)

water gun

water mass (n.) [GOG5]

water table (n., adj.)

wavefield

waveform

wavefront

waveguide

wavelength

wavenumber

waveshape

wave stack

wavetrain

WBUC Western Boundary Undercurrent

WD water depth [ship]

WDC World Data Center

website

Weddell Gyre

Weichselian (time period)

wellbore

wellhead

well log

well-preserved (adj.)

wet bulk (n., adj.) density

WGC West Greenland Current

WHC wireline heave compensator [logging]

Whirl-Pak (trademarked)

WHOI Woods Hole Oceanographic Institution

whole-core (adj.)

whole-round (adj.)

whole space

whorl

wideband

WinFrog

wiper trip [drilling]

wireline [drilling]

wireline trip [drilling]

WOB weight on bit (n.), weight-on-bit (adj.)

WOW waiting on weather (suspended operations) [drilling]

WPWP Western Pacific Warm Pool

WRMSL Whole-Round Multisensor Logger

WST-3 Three-component Well Seismic Tool [logging]

WSTP water sampler temperature probe [logging]

wt% weight percent

WVSP walkaway vertical seismic profile [logging]

-X-

XCB extended core barrel [drilling]

xenocryst

XMAN X-Ray Logger [replaced by XSCAN starting with Expedition 399; still on ship]

XMSL X-ray Multisensor Logger [use XMAN; see XSCAN]

XO crossover (connecting pipe) [drilling]

XRD X-ray diffraction [science]

XRF X-ray fluorescence [science]

XRI X-Ray Imager

XSCAN X-Ray Linescan Logger [use XMAN for Expeditions prior to 399]

-Y and Z-

y year

YD Younger Dryas Event

younging

Ypresian (Ypres.)

yttrium

Z (or “z”) atomic number

Zanclean (Zan.)

z-axis

zeolite

zeolitization

zigzag (n., adj.)

zoisite

zoobenthos

Zoophycos

zooplankton