GEOTRACES_IDP2017_v2 Changes

Release Date: 2018-02-14

1. Discrete Sample Data Changes

GA01 / GEOVIDE

- Originator's quality flags now included for Pb_D_CONC_BOTTLE, Pb_206_204_D_RATIO_BOTTLE, Pb_206_207_D_RATIO_BOTTLE, and Pb_208_207_D_RATIO_BOTTLE

GA02 / PE139

- Added missing data for Nd_143_144_D_EPSILON_BOTTLE, Nd_143_144_D_EPSILON_FISH, and Nd_143_144_TP_EPSILON PUMP.

GA02 / PE321

- Renamed parameters: Nd_143_144_LPT_RATIO_PUMP to Nd_143_144_TP_EPSILON PUMP, Pb_206_204_D_RATIO_FISH to Pb_206_204_TD_RATIO_FISH, Pb_206_207_D_RATIO_FISH to Pb_206_207_TD_RATIO_FISH, Pb_208_207_D_RATIO_FISH to Pb_208_207_TD_RATIO_FISH.

GA03 / KN199, KN204

- Added data for metal content of individual cells.
- Th_232_SPT_CONC_PUMP, Th_230_SPT_CONC_PUMP, Pa_231_SPT_CONC_PUMP, Th_232_LPT_CONC_PUMP, Th_230_LPT_CONC_PUMP, Pa_231_LPT_CONC_PUMP: reloaded LDEO (Anderson) data and added UMN (Edwards) and WHOI (Huang) data.
- Fixed problem with Cd_114_110_D_DELTA (multiplied by 2).

GA10 / D357

- Ra_226_T_CONC_BOTTLE changed to Ra_226_D_CONC_BOTTLE, values multiplied by 0.01.
- Fixed conversion error for Ra_228_D_CONC_BOTTLE and Ra_228_D_CONC_PUMP, values multiplied by 10.
- Fixed 1 sigma /2 sigma issue for Pb isotopic ratio and Pb_TD_CONC error values.
- Fixed conversion error for Chl a_HPLC_P_CONC_BOTTLE, values multiplied by 0.001.

GA10 / JC068

- Fixed 1 sigma /2 sigma issue for Pb isotopic ratio and Pb_TD_CONC error values.
- Co_D_CONC and Zn_D_CONC excluded C. Schlosser data.

GIpr01 / MD188

- New in IDP2017_v2.

GIPY01 / TAN0609

- New in IDP2017_v2.

GIPY02 / AU0703

- Fixed erroneous unit conversion for Cd_D_CONC_BOTTLE and Pb_D_CONC_BOTTLE. Values multiplied by 1000.

GIPY04 / MD166

- Ba_D_CONC_BOTTLE station 9 data inverted. Corrected data to correct depths.

GIPY06 / AU0806

- Nd_143_144_D_EPSILON_BOTTLE data added. 1 sigma/2 sigma error fixed for Nd_D_CONC_BOTTLE.

GIPY11 / ARK_XXII_2

- Fixed erroneous unit conversion for Ra_226_D_CONC_BOTTLE and Ra_226_D_CONC_UWAY. Values multiplied by 0.001.

GP13 / TAN1109-2

- CTDTMP, CTDSAL and PHOSPHATE_D_CONC data added.
- NO2+NO3_D_CONC_BOTTLE and SILICATE_D_CONC_BOTTLE data added for UCCTD samples.

GP16 / TN303, EPZT

- Added data for metal content of individual cells.
- Removed duplicated Anderson data under: Pa_231_SPT_CONC_PUMP_Cheng, Pa_231_LPT_CONC_PUMP_Cheng, Th_230_SPT_CONC_PUMP_Cheng, Th_230_LPT_CONC_PUMP_Cheng, Th_232_SPT_CONC_PUMP_Cheng, Th_232_LPT_CONC_PUMP_Cheng. Reloaded with correct Cheng data.
- Fixed unit conversion and missing error data issues for particulate Th and Pa.
- U_236_D_CONC_BOTTLE_Villa: Data was loaded as atoms per kg not 10^6 atoms per kg as per parameter code. Divided by 10^6.
- Cd_114_110_D_DELTA_BOTTLE: Per mil not pptt data. Multiplied by 10.

GPc02 / ANT_XXVI_2

- Added 6 stations missing in v1. T, S and Nd_D_CONC_BOTTLE data added.

GPpr04 / SO223T

- REE data added.

GPpr05 / KM1107

- T, S and REE data added.

2. Aerosol/rain Data Changes

"Per mass" to/from "per volume" unit conversions of rain data now using ρ=1.0 kg/l instead of the previous 1.025 kg/l.

Previous SML and SSL aerosol phase parameters renamed using new parameter names including terms for the specific leach used.

GA01 / GEOVIDE
- Error parameters added; Cr_A_SMLH2O_CONC_HIVOL added; values corrected from resubmission; Zn_R_TD_CONC_MAN updated from resubmission

GA02 / JC057, PE319, PE321
- Fixed incorrect parameter Mg to corrected Mn.
- PE321 aerosols included.

GA03 / KN199-4, KN204-1
- SSL aerosol names corrected to SMLH2O.
- Missing aerosols included.

GA04 / PE370, PE373, PE374
- Fixed incorrect parameter Mg to corrected Mn.

GA06 / D361
- Fixed incorrect parameter Mg to corrected Mn.

GA10 / D357
- Added missing aerosol and rain data

GP13 / SS2011-1, TAN1109-2
- Fixed incorrect parameter Mg to corrected Mn.

GP16 / TN303, EPZT
- Updated Aerosol codes to SML. Updated incorrect instruments.