

GEOTRACES IDP2017 V2 Known Issues

Date: Monday 1 October 2018

1. Standard deviation of Pb Isotopes measurement from GA06 (D361).

Observation:

Data standard deviation values are a factor 2 too large for:
Pb_206_204_TD_RATIO_BOTTLE, Pb_206_207_TD_RATIO_BOTTLE and
Pb_208_207_TD_RATIO_BOTTLE.

Workaround:

Divide the standard deviation by 2 to obtain correct values.

2. Particulate Mn, Ni, Cu and Zn from GPpr01 (TAN0811).

Observation:

Data are a factor 1000 too large for the parameters: Mn_TP_CONC_PUMP,
Ni_TP_CONC_PUMP, Cu_TP_CONC_PUMP, Zn_TP_CONC_PUMP.

Workaround:

Divide data values by 1000 to obtain correct data.

3. Data from Bottle Number 845336 from GA03 (KN204-1).

Observation:

Data from this bottle should be flagged '4'.

Workaround:

None.

4. Tritium abundance from GA03 (KN204-1, KN199-4) and GP16 (TN303).

Observation:

Negative Tritium (TRITIUM_D_CONC_BOTTLE) abundance data were flagged '3' at BODC. The data originator recommended flag '2' rather than flag '3'.

Workaround:

None.

5. Cd isotopic composition GPpr07 (Line P 2012-13, Line P 2013-18, Line P 2014-19).**Observation:**

Data are a factor 10 too low for the parameters: Cd_114_110_D_DELTA_BOTTLE and for the standard deviation.

Workaround:

Multiply data values of the measurement and the standard deviation by 10 to obtain correct data.

6. Missing event GP16 (TN303).**Observation:**

The BODC Bottles Number 1131131,1131134,1131137,1131140,1131143,1131146,1131149 and 1131152 are linked to the wrong station and time.

Workaround:

The 'BODC Bottles Number' {1131131,1131134,1131137,1131140,1131143,1131146,1131149, 1131152} have the following correct geographical coordinates: Latitude [degrees_north]= -12.04483, Longitude [degrees_east]= 281.83317 and happening at Time= 2013-11-03T08:42:00Z.

7. Dissolved Vanadium (V) from GP16 (TN303).**Observation:**

Data are a factor 1000 too low for V_D_CONC_BOTTLE.

Workaround:

Multiply data values by 1000 to obtain correct data.

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