2017-03-22 S Zimmermann

2008-29 Nutrients:

Nutrients were collected and frozen.

Samples were not filtered.

Samples were run at-sea 1 month after collection during the next leg (2008-30 JOIS), Aug 6 to 10th (based days CRM recorded in QAQC file).

Corrections were made to 2008-30 JOIS data (see ***2008-30 NO3 Data Correction Report 17Dec2010.doc***) in Dec 2010 however they had not been made to the 2008-29 data although they were run with the 2008-30 samples and likely have the same problems.

The correction for these samples ranges from +0.33uM to +0.41uM based on trend line shown in Fig 3 for dates Aug 6th to 10th. The average, +0.37uM could be applied as precision from the Sp, 0.2uM, is much larger than the range of correction, 0.04uM, over these four days.

***To stay consistent with 2008-30 data, corrections were made on 2017-03-22:***

***Applied + 0.37uM to all Nitrate+Nitrite values which have original values over 0.8uM.***

The new chemistry file is named***: 2008-29\_LSSL\_Chem\_RAW\_2017-03-22.xls***

Excerpt from document:

**Corrections to Other Data**

It is recommended that Leg 1 samples (frozen) & Sea Ice samples analyzed onboard during LSSL 2008‐30 are corrected for drift.

Data values were corrected for instrmuent drift according to the equation y = ‐0.0198x ‐ 0.0174, where x is day run in order from beginning of cruise (July 21st = 0).

Any value less than 0.8 mmol/m3 was not corrected