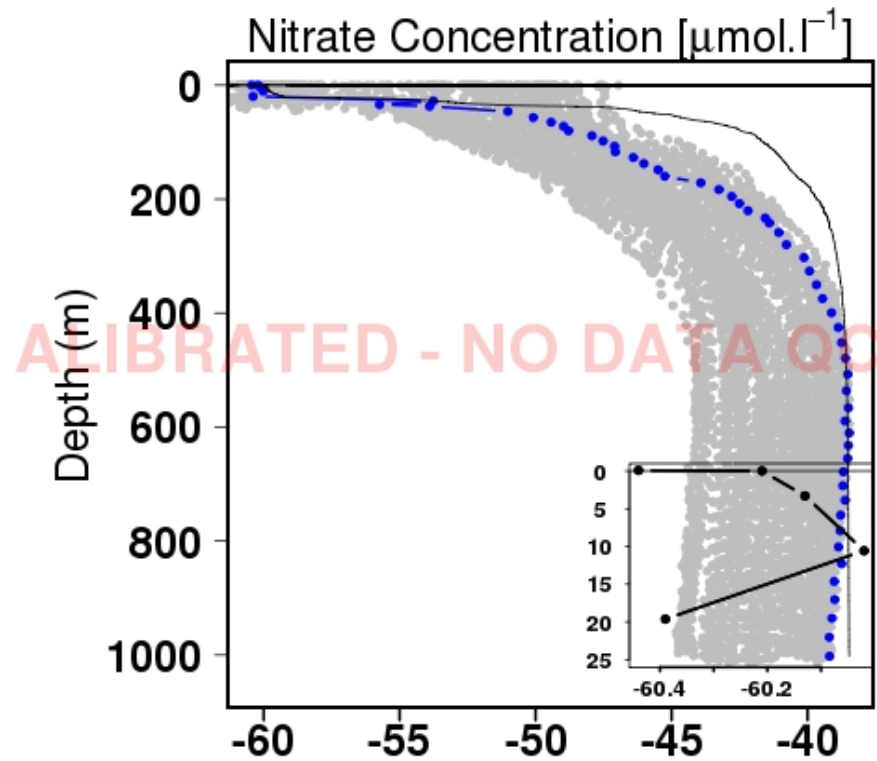
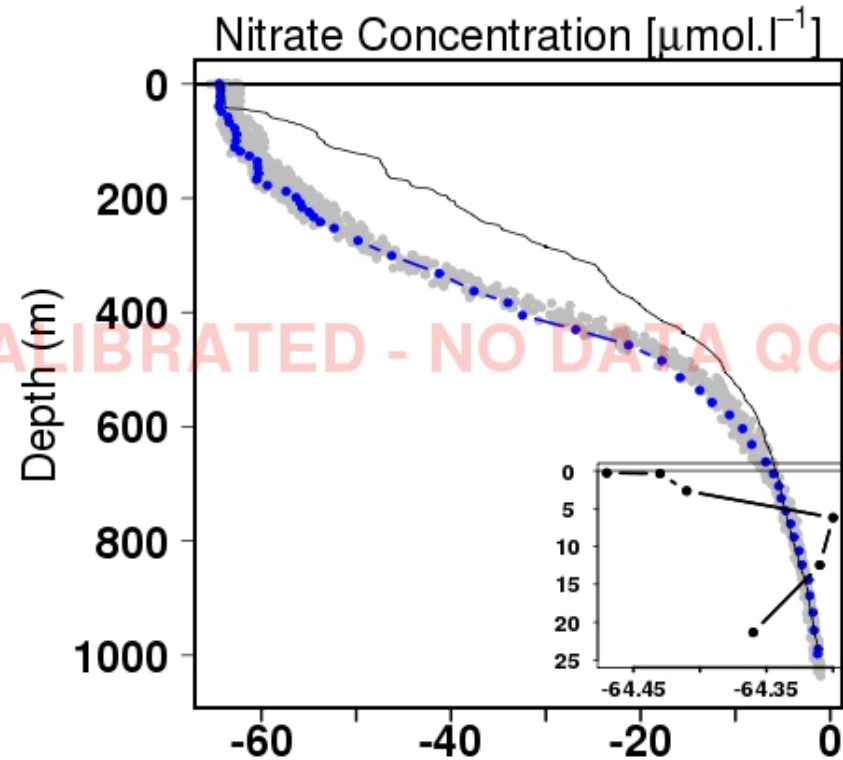


Nitrate at Coriolis

Computation on Board



In the Mediterranean Sea



In the Pacific Ocean

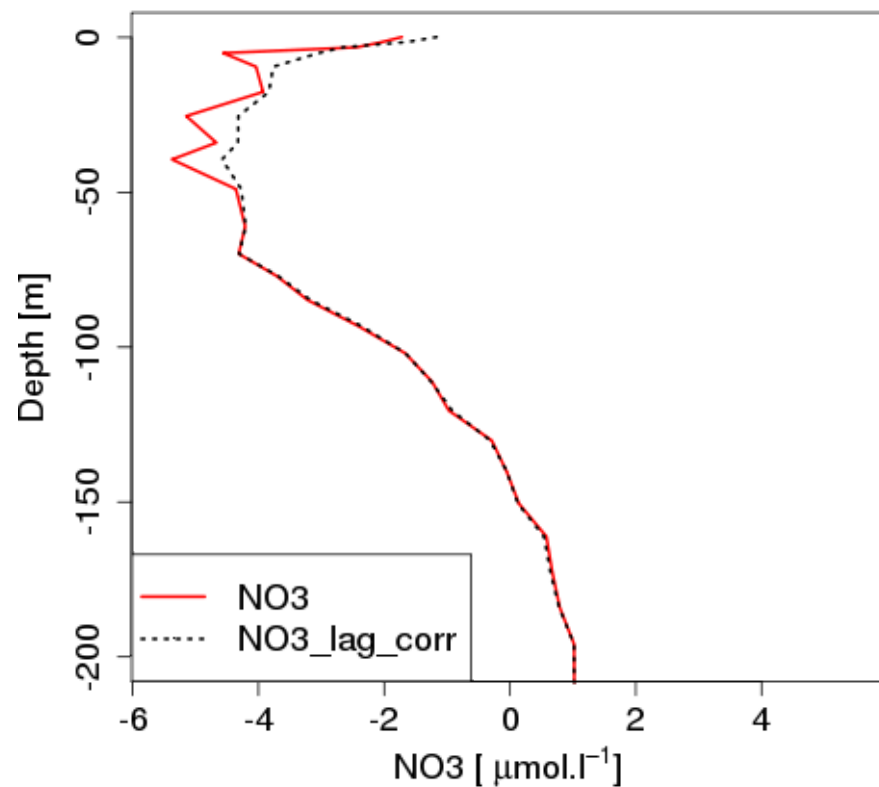
Processing Nitrate at the DAC Level (draft) :

<http://doi.org/10.13155/46121>

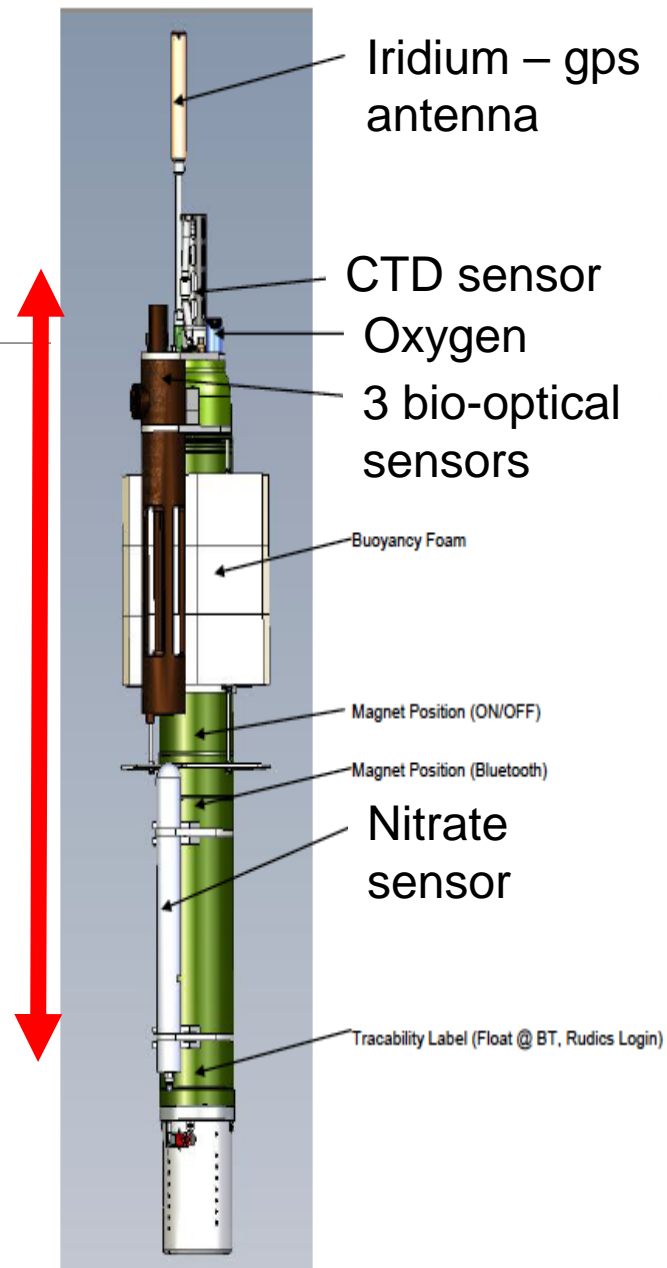
- How to process the NITRATE from the ABSORPTION spectrum
- How to fill the metadata file
 - For NITRATE, we asked to increase the size of the string lengths from 1024 to 4096*
 - => PREDEPLOYMENT_CALIB_XXX*
- How to read the calibration file of the SUNA
- How to fill the configuration parameters
 - CONFIG_SunaVerticalPressureOffset_dbar*
 - CONFIG_SunaWithScoop_LOGICAL*
 - CONFIG_SunaInPumpedStream_LOGICAL*
 - CONFIG_SunaApfFrameOutputPixelBegin_NUMBER*
 - CONFIG_SunaApfFrameOutputPixelEnd_NUMBER*

Vertical pressure offset (CTD/SUNA)

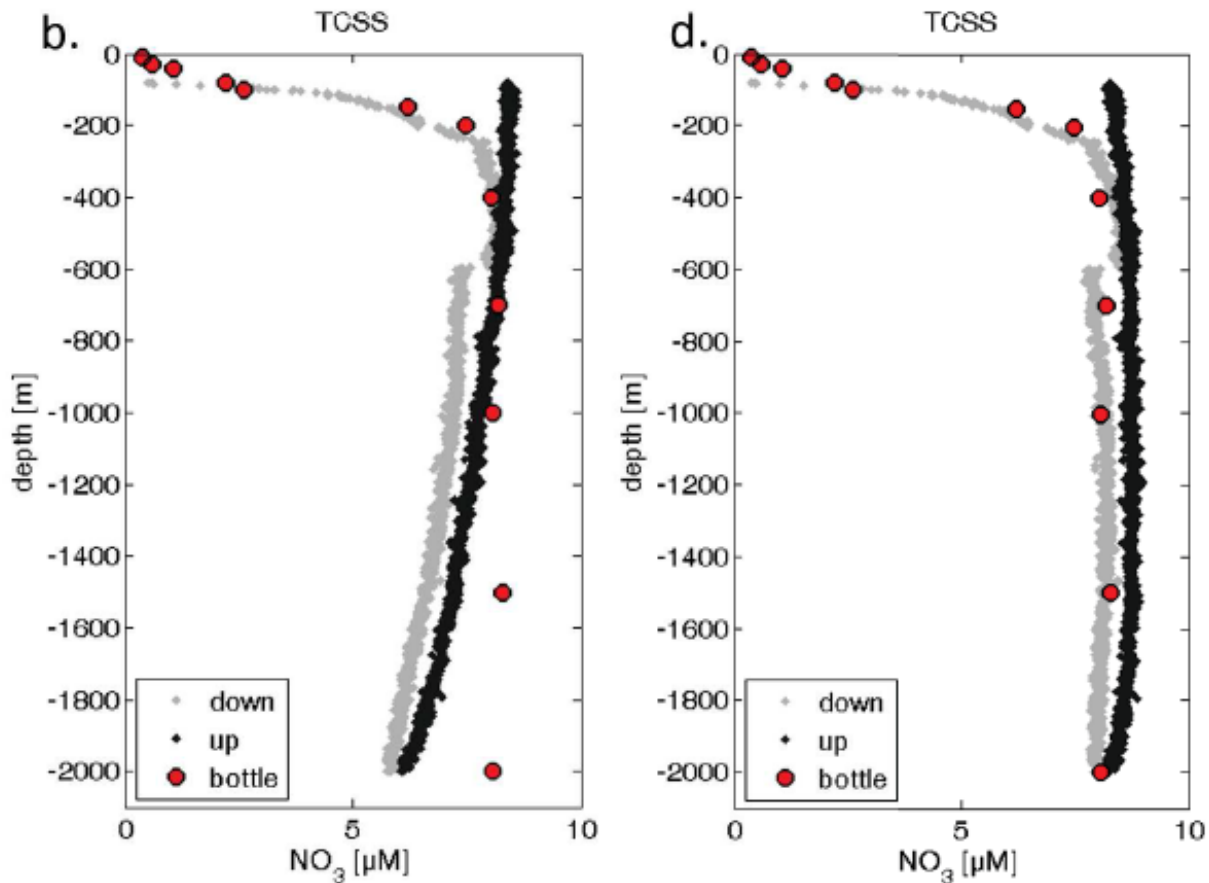
Float 6901490, in Tyrrhenian sea



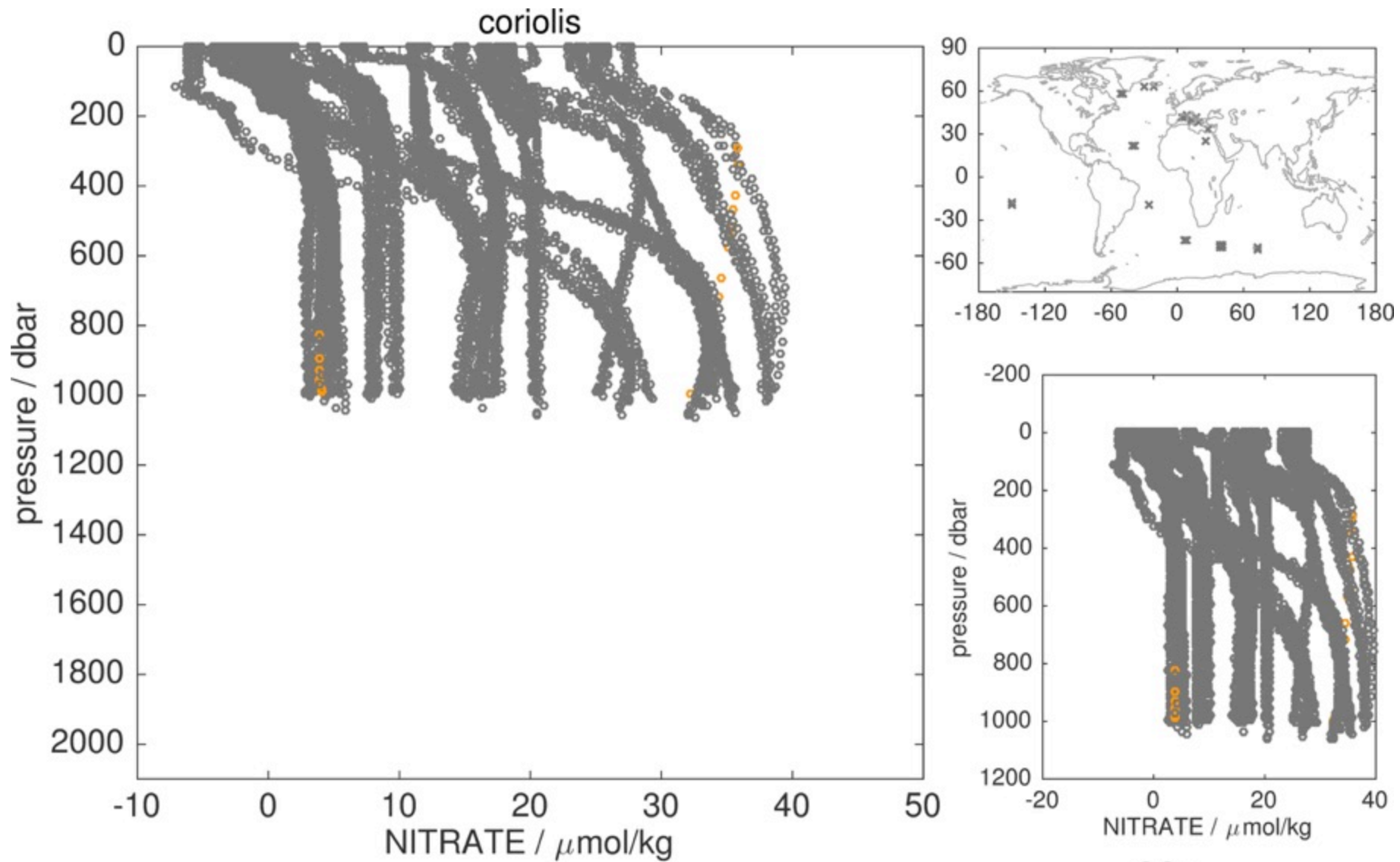
1.5m



Pressure adjustment



- ✓ During down cast, the bottle was open
- ✓ At 2000m-depth the bottle was closed
- ✓ During up cast, SUNA sample the same water mass
 - => Same temperature, salinity and nitrate concentrations
 - => The internal temperature was stabilized
 - => Pressure is the only variable parameter



37/45 floats with NITRATE profiles
 5 CLOSED; 22 INACTIVE; 17 OPERATIONAL; 1 REGISTERED;
 44 v3.1; 1 vn/a;

- QC 0
- QC 1
- QC 2
- QC 3
- QC 4
- QC 5
- QC 8

Perspectives

Now that the major issues on Nitrate estimation are solved:

- ⇒ Work on QC
- ⇒ Work on Adjustment

