

TCO2: Who - L. Anderson; Status - final; S Plus - up to date

Notes:

The problem with the total carbon data is – of course that there has been an increase in the deep waters over the last two decades (Olsen et al., 2006), and so just applying a simple correction bringing all data on to the zero line is not justified. To deal with this we have to take trend into account. This is done in the next section.

3. Inversion Results Including the TTO-NAS Data

TTO-NAS is not part of CARINA, however it is the only cruise of some vintage which we are pretty certain is of good quality (Tanhua and Wallace, 2005, Olsen et al, 2006).

Thus, to get a grip on the effect of temporal tco2 changes on the inversion results it was included in a cna run, using tco2 values corrected according to Tanhua and Wallace (2005).

Results are shown in figure 3, TTO-NAS data are labeled as nassv_ao .

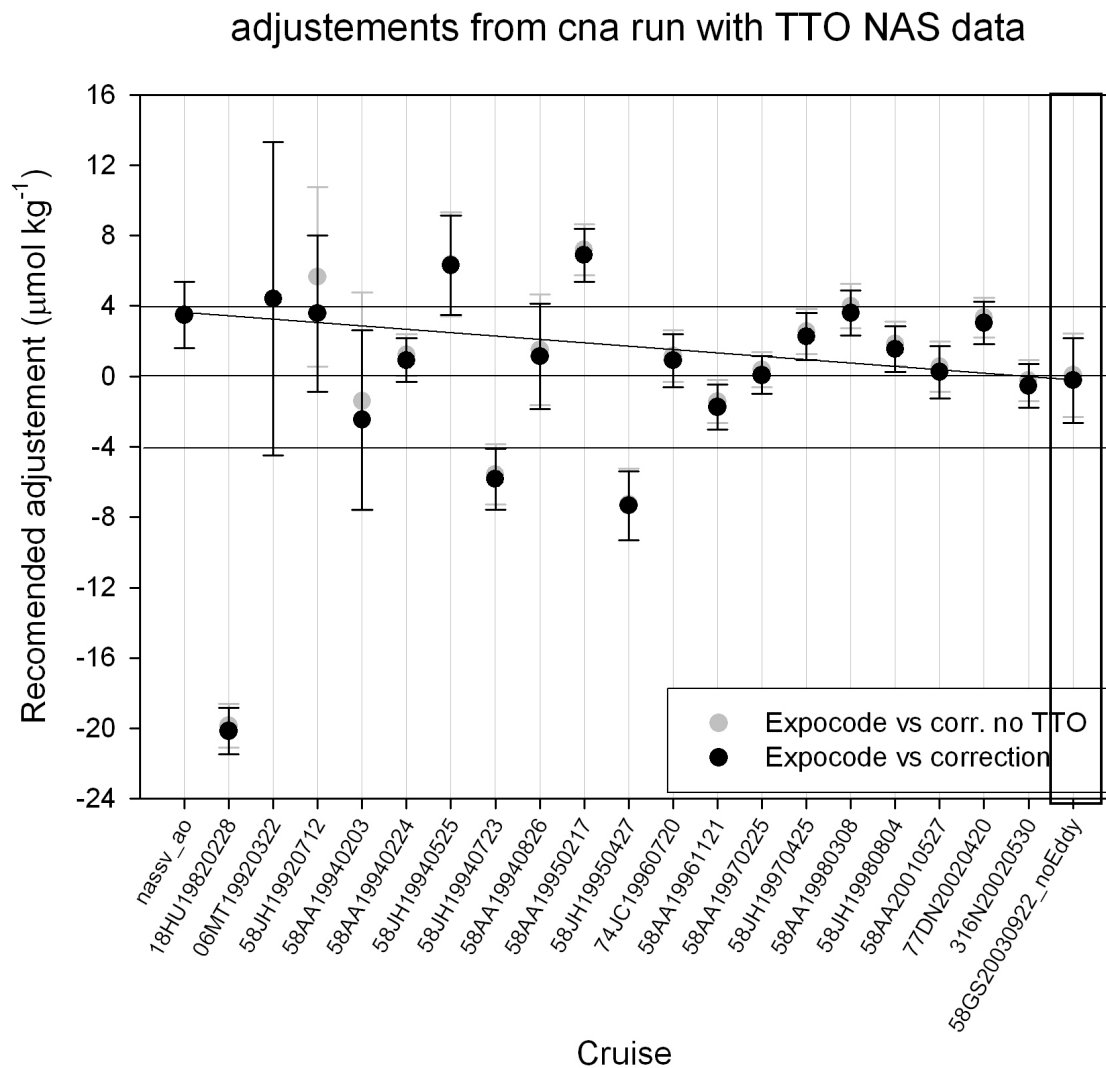


Figure 3. Inversion results (WLSQ) of autogenerated crossovers (cna) including the TTO-NAS data. (black). Inversion results of cna without TTO-NAS are shown in gray. A straight line has been drawn to illustrate temporal change.