GOS2022112: O2 - calibration

- We include bottles collected below 45 m depth and with 02-concentrations above 15 umol/kg.
- Data points with which do not meet the criteria mean(Winkler-O2CTD) 2
 x std(Winkler-O2CTD) < Winkler-O2CTD < mean(Winkler-O2CTD) + 2 x
 std(Winkler-O2CTD) are flagged as potentially bad (3).</pre>
- Doubles (two samples from the same Niskin bottle) with a difference between the samples larger than 3 umol/kg are excluded from the regression (unless one is flagged in the step above).
- Doubles with a difference with a difference smaller than 2 umol/kg are merged, using their mean value.
- We then do a linear regression using the remaining Winkler-O2CTD datapoints, and exclude points with an error larger than 2.5 x rmse. This step is repeated until either no more points are removed or the root mean square error is smaller than 2 umol/kg.

For this cruise:

There is a total of 29 samples to start with There's a total of 29 samples before the regression. Line Number [36] is removed during the regression. There's a total of 28 samples in the final regression: (1.0544, 0.22)





