Recommendation on Oxygen Flagging

1. Flag profiles with Z statistic > 5 as questionable. Z<=5 as good in real time. Reprocess existing profiles with this test.

2. Deliver quarterly audit of array with Z statistics for profiles > 6 months in age (i.e., not real time).
   1. If a DAC does not have the resources to implement Recommendation 1, a DAC can use the audit to flag existing profiles.

3. If a profile remains on the audit list for 1 year, it should be grey listed.

4. A DM operator may change a flag of 3 to 1 or 4 following inspection of the profile.
Recommendation on Oxygen Adjustments

1. For floats with more than one year of data, if a gain correction has not been applied, data should be adjusted with a gain factor of mean\[\frac{(WOA O2\% \text{ saturation in upper 20 m})}{(\text{Float O2\% saturation in upper 20 m})}\]

2. Deliver quarterly audit of array with gain term for profiles \(> 6\) months in age (i.e., not real time).
   1. If a DAC does not have the resources to implement Recommendation 1, a DAC can use the gain reported in the audit to adjust existing profiles.

3. If a profile remains on the audit list for 1 year, it should be grey listed.