DOXY meeting 20/11/20

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RT Adjustment (20 minutes) Virginie R's presentation

1. Method used (https://doi.org/10.13155/76709)
   Statement (WOA monthly, ADJUSTED_ERROR)
   When do we choose not to apply

2. How many floats have been adjusted in RT ?

3. Alerts (drift, elapsed time since the deployment, checking with reference database)

DM steps and tools (1h30)

1. Visual control to remove outliers

    - Suggested tools SCOOP (Java)) Catherine's presentation https://doi.org/10.17882/48531

2. Estimation of DM adjustment

    - SAGE O2 (Matlab) Raphaelle's presentation https://github.com/SOCCOM-BGCArgo
    - Chris Gordon's SAGE O2 adaptation (Python) https://github.com/ArgoCanada/bgcArgo
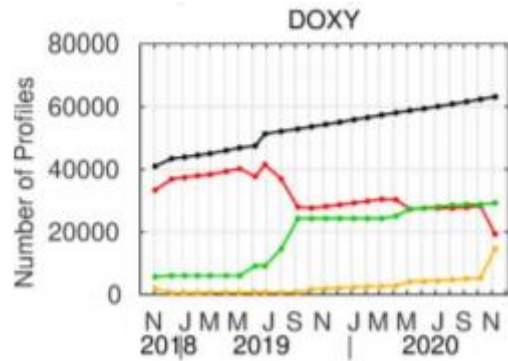   - LOCODOX (Matlab) Virginie T's presentation https://github.com/euroargodev/LOCODOX

3. Filling your DM Files

    - DM Filler (R) Catherine's presentation (any type of adjustment) https://github.com/catsch/DM_FILLER

4. Check the files (ftp://usgodae.org/pub/outgoing/argo/etc/FileChecker/)

5. Towards a uniform DM DOXY equation

Strategy and discussion (40minutes)

Coriolis DOXY status (PARAMETER_DATA_MODE RED: R, YELLOW: A, GREEN: D)

Points to address

- Josh's plant audits on DOXY status (ftp://ftp.mbari.org/pub/BGC_argo_audits/DOXY/ and try to get rid of the backlog

- Further control (DM mode)

- Building the reference database