

SOCOCM Data Management 2020 meeting (remote)

Agenda

Float Data - September 22 -23

Tuesday, Sept. 22: 9 AM – 2 PM PDT; 12PM – 5 PM EDT

Wednesday, Sept. 23: 9 AM – 12:30 PM PDT; 12 PM – 3:30 PM EDT

Calibration Data - September 29

9 AM – 12 PM PDT; 12 PM – 3 PM EDT

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Float Data Management - Day 1 (Tuesday, September 22)

12:00 – 12:30 pm EDT (9:00 – 9:30 am PDT)	<ul style="list-style-type: none">• SOCCOM/GO-BGC data management workflow (questions, concerns, expectations)• Comments from SOCCOM data users: what's working, what's not
12:30 – 3:30 pm EDT (9:30 – 12:30 pm PDT)	Float data processing/corrections <ul style="list-style-type: none">• Error fields for observed quantities (Maurer)<ul style="list-style-type: none">○ O2 with and without air sample; metadata○ pH○ Nitrate• O2 response time corrections - what to do for SOCCOM, Argo? (Maurer)• pH pump offset correction and associated flagging (Plant, Maurer)• Update to nitrate processing (still in development) (Plant, Johnson)• FLBB processing – new NASA PI (Maurer, Schofield)
3:30 – 4:00 pm EDT (12:30 -1:00 pm PDT)	BREAK/LUNCH
4:00 – 5:00 pm EDT (1:00 – 2:00 PDT)	SOCCOM data products – content of our ascii and netcdf files <ul style="list-style-type: none">• Calculation of derived products - any changes to pH bias calculation and subsequent pCO2 calc? (Carter, Takeshita, Maurer)• Error fields for derived products• Removal of chla_corr column (Plant, Maurer, Schofield)

Float Data Management - Day 2 (Wednesday, September 23)

<p>12:00 – 12:30 pm EDT (9:00 – 9:30 am PDT)</p>	<p>Links with Argo GDAC data processing (Maurer, Schmid, Brewster)</p> <ul style="list-style-type: none"> • SOCCOM to Argo: frequency of transmission to GDAC, and other issues • Argo to SOCCOM: Core data QC - ingesting Argo DMQC for core data into SOCCOM files
<p>12:30 – 1:30 pm EDT (9:30 – 10:30 pm PDT)</p>	<p>Data 'tracking' – efficiencies as we scale up to more than triple the data set and global coverage. Should we revamp our 7-year-old approaches?</p> <ul style="list-style-type: none"> • Internal data connections and processing (Maurer&others) • Float information for internal use and public: (Talley, Escher, Johnson, Maurer) SOCCOM map updates (static, interactive) SOCCOM table updates/streamlining
<p>1:30 - 2:00 pm EDT (10:30 – 11:00 pm PDT)</p>	<p>BREAK</p>
<p>2:00 – 3:00 pm EDT (11:00– 12:00 pm PDT)</p>	<p>SOCCOM Data Product: float-based climatology (Mazloff/Verdy)</p>
<p>3:00 – 3:30 pm EDT (12:00 – 12:30 pm PDT)</p>	<p>Users: discussion, what's working, what's wanted? (Talley moderate)</p> <p>Connections with external BGC Argo data tracking and visualization</p> <ul style="list-style-type: none"> • JCOMMOPS • EuroArgo (formerly Ifremer Coriolis) • Villefranche map/BGC float tool • ERDDAP • Argovis

Calibration data management (Tuesday, September 29)

12:00 – 1:00 pm EDT (9:00 – 10:00 am PDT)	Current summaries: <ul style="list-style-type: none">• Data collection• Data processing: FLBB and HPLC/POC processing/QC with new SOCCOM NASA PI?• Data merging• Cruise reporting
1:00 – 1:45 pm EDT (10:00 – 10:45 am PDT)	SOCCOM2 changes, looking forward to GO-BGC <ul style="list-style-type: none">• Streamline cruise planning<ul style="list-style-type: none">○ Float data forms: use spreadsheets○ Shipboard data forms: use spreadsheets• Streamline data tracking• Streamline cruise reporting (use forms rather than written report)
1:45 – 3:00 pm EDT (10:45 – 12:00 PDT)	Climatologies used for float calibration <ul style="list-style-type: none">• GLODAPv2 and annual updates? New GO-SHIP data?• Use of existing calibrated BGC float data?