

- Current Activities/Priorities
 - Asset Management (increased responsibility).
 - Data Ingestion (new responsibility).
 - Data QA/QC (new responsibility).
 - Coordination and collaboration between MIOs under direction of PMO (new responsibility).

• QA/QC Plans

- Gaps and metrics of quality.
- Annotations.
- Biofouling mitigation.

Parsers/Processors

• uFrame and OMS++ (mixed).







- Current Activities/Priorities: Asset Management
 - Already largely responsible for this process (pre-2.0).
 - New tasks include testing and review, improving reliability by double-checking calibration values against vendorprovided information.
 - Complete and up-to-date through most the recent glider deployment on 2018-10-17.
 - Future work in collaboration with MIOs and under direction of PMO to coordinate process, improve work flows, testing, timeliness, and ensure accuracy of data (e.g. calibration coefficients).









- Current Activities/Priorities: Data Ingestion
 - Using pre-existing CI M2M interface and Data Team scripts to initiate data ingestion.
 - Straight-forward process, well developed code available for use with little modification (user names, file paths).
 - Initiated ingest of telemetered Endurance 10 data.
 - Error on server side ingest handling has completely blocked all telemetered ingest (2018-10-11).
 - Issue being actively worked by PMO and CI. Monitoring progress and will initiate final ingests for E10 once issue is cleared.
 - Working on instrument and mooring system data downloads in preparation for ingestion of recovered Endurance 9 data.
 - Expect to upload data to CI and initiate ingest of recovered data by 2018-11-15.









- **Current Activities/Priorities: Data Ingestion**
 - Building off of current Data Team scripts to develop new • processes to automate monitoring of the ingestion process.
 - Current implementation requires manual queries via REST client.
 - New python module automates and summarizes gueries for entire set of ingest IDs per mooring.
 - Working to generate metrics of current ingest status and clearly • identify where issues may lie.
 - Exploring existing Data Team code and notebooks uploaded to GitHub.











- **Current Activities/Priorities: Data QA/QC**
 - Utilizing internal systems (OMS and OMS++) to review mooring • systems and instrument status (daily).
 - Pre-2.0 activity, will extend to include adding annotations and flagging as appropriate.
 - Need a better system to communicate directly to users as we encounter not just issues, but interesting events, features, etc.
 - Test and implement existing scripts (ooi stats) to check for interruptions in data delivery and any issues with quality based on Global Range test.
 - Coordinate with PMO to address any outstanding (and new) • Help Desk tickets.

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• QA/QC Plans

- Working in coordination with MIOs and PMO to develop common, coherent QA/QC definitions and processes (existing and new).
- Reviewing annotations to better communicate events and issues to community.
- Developing new scripts to create metrics of telemetered data availability by cross-comparing % daily coverage (%DC) for 1.0 data. Add automated QA/QC measures to extend metrics beyond data availability to quality and system performance.

Instrument	uFrame (%DC)	OMS++ (%DC)
METBK	72.5	79.3
FLORT	63.0	76.2
CTDBP (NSIF)	68.1	67.7
CTDBP (MFN)	27.6	37.6

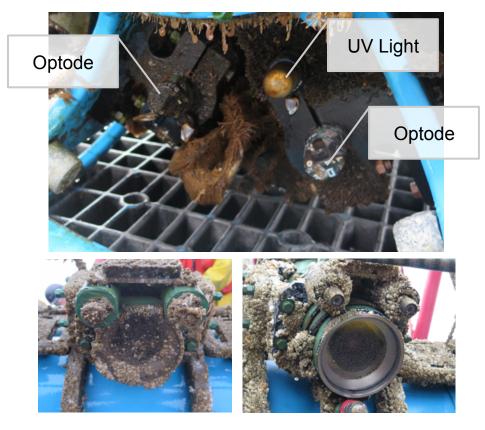


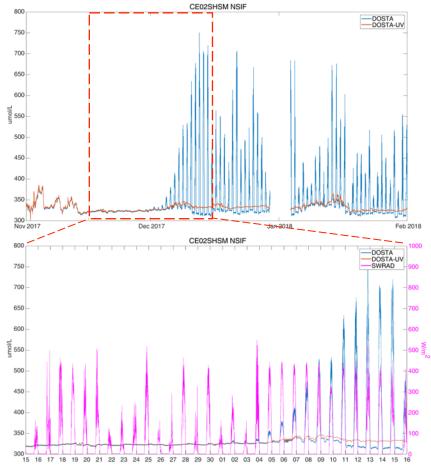






• QA/QC Plans: Biofouling Control











Parsers/Processors

- uFrame (PMO/CI responsibility).
 - Update will be required for existing PCO2A parser to address upcoming firmware changes (Spring 2019).
- OMS and OMS++ (internal system EA/CGSN, telemetered only).
 - Used to monitor mooring systems and instrument health and status.
 - Used to cross-compare data availability and quality.
 - No new parsers required.
 - New processors required for ADCP, VEL3D and select inductive modem hosted instruments.
 - Updates to metadata and processing steps required.
 - Code freely available online:
 - <u>https://bitbucket.org/ooicgsn/cgsn-parsers/src/master/</u>
 - <u>https://bitbucket.org/ooicgsn/cgsn-processing/src/master/</u>



