

# Overview

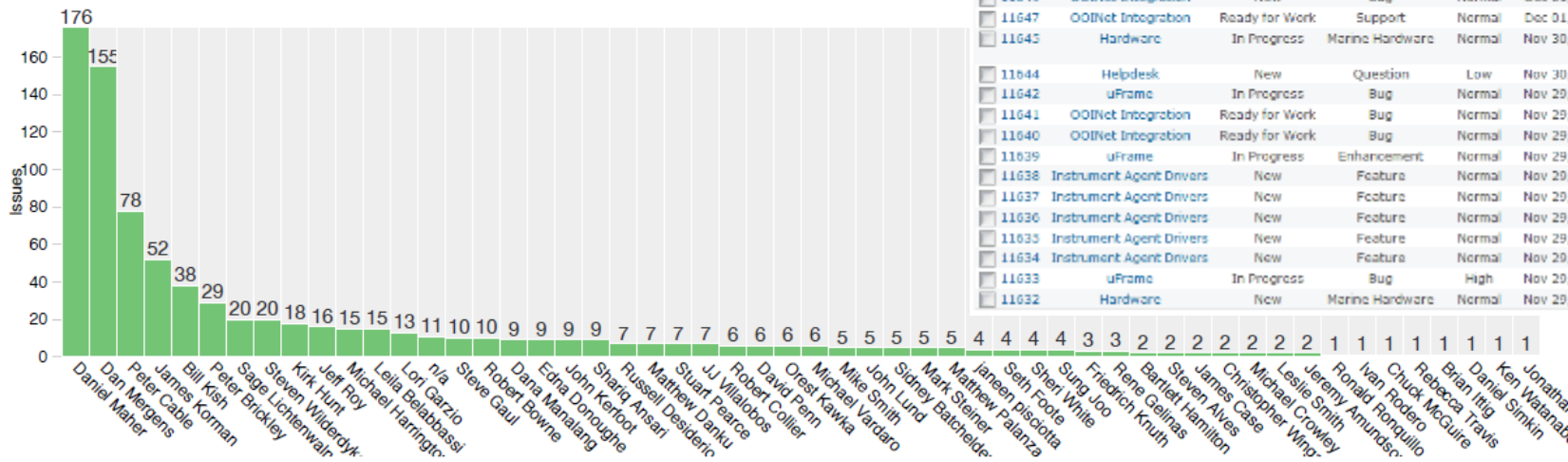
1. Team Structure & Responsibilities
2. Data Flow & Products
3. Data Review
4. Communications
5. Improvements
6. Conclusions



# Redmine

- Tracking of all system issues: Software, Hardware, Help Desk, Safety
- Prioritization, status, assignees, start and due dates, full tracking
- 919 open tickets; 6427 closed

## Assignees



	Project	Status	Tracker	Priority	Start date	Assignee	Subject
11660	Hardware	In Progress	CI Hardware	Immediate	Dec 03, 2016	Ivan Rodero	Cyber security incident reported
11659	OOINet Integration	In Progress	Bug	Normal	Nov 23, 2016	Dan Mergens	Creating MD5 Hashes to ensure the integrity of high volume data downloads such as CAMHD
11658	OOINet Integration	New	Support	High	Dec 02, 2016	Bill Kish	Live ingest G102HYPM D00003
11657	OOINet Integration	New	Support	Normal	Dec 02, 2016	Peter Brickley	Missing global glider cal sheets
11656	Data Evaluation	New	Support	Normal	Dec 02, 2016	Sidney Batchelder	Missing raw telemetered data for G103MOAS-GL484
11654	Safety and Environment	New	Near-miss	Normal	Dec 02, 2016		PCO2W nearly ruptured upon recovery
11653	Safety and Environment	New	Near-miss	Normal	Dec 02, 2016	Lester Anderson	PHSEN ruptured upon recovery
11652	Driver Plugins	In Progress	Bug	Normal	Dec 01, 2016	Peter Cable	HP2ES - change value encoding for PD2540 - PD2545 from uint16 to uint32
11651	Ocean Observatories	New	Dataset	Immediate	Dec 01, 2016	Bill Kish	CP03ISSM recovered data not on the system
11650	uFrame	In Progress	Enhancement	Normal	Dec 01, 2016	James Korman	Remove unused IngestInfo attribute from XDeployment
11649	OOINet Integration	New	Bug	Normal	Dec 01, 2016	Dan Mergens	Pull requests updating QC values on GitHub do not run through basic sanity checks
11647	OOINet Integration	Ready for Work	Support	Normal	Dec 01, 2016	Dan Mergens	Input Status Events
11645	Hardware	In Progress	Marine Hardware	Normal	Nov 30, 2016	Sheri White	FDCHPs deployed prior to mid 2016 had bad anemometers. CI needs to correct data from prior deployments.
11644	Helpdesk	New	Question	Low	Nov 30, 2016		New User Registration for OOI UI: Bill, Wieler
11642	uFrame	In Progress	Bug	Normal	Nov 29, 2016	Peter Cable	Bin sizes incorrect in preload database
11641	OOINet Integration	Ready for Work	Bug	Normal	Nov 29, 2016	Dana Manalang	TMPSF update DFS
11640	OOINet Integration	Ready for Work	Bug	Normal	Nov 29, 2016	Dana Manalang	TMPSF archive design documents
11639	uFrame	In Progress	Enhancement	Normal	Nov 29, 2016	James Korman	Deployment parser does not process new "water depth" attribute.
11638	Instrument Agent Drivers	New	Feature	Normal	Nov 29, 2016	Dan Mergens	Ingest archived RSN MASSP data
11637	Instrument Agent Drivers	New	Feature	Normal	Nov 29, 2016	Dan Mergens	Integration Testing
11636	Instrument Agent Drivers	New	Feature	Normal	Nov 29, 2016	Dan Mergens	Add playback for instrument driver
11635	Instrument Agent Drivers	New	Feature	Normal	Nov 29, 2016	Dan Mergens	Characterize Data
11634	Instrument Agent Drivers	New	Feature	Normal	Nov 29, 2016	Dan Mergens	MASSP - add playback for raw data files
11633	uFrame	In Progress	Bug	High	Nov 29, 2016	Daniel Maher	Getting an error when trying to plot pressure from Pioneer surface mooring CTDs on the GUI
11632	Hardware	New	Marine Hardware	Normal	Nov 29, 2016	Peter Brickley	G101SUMO D00003

# Data Products

- Ticket #11306 summarizes outstanding data product issues
  - 51/90 tickets completed (31/83 in December 2016)
- Ticket #11863 summarizes outstanding data ingestion issues

## Dataset #11306


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### Remaining CI issues producing derived data products

Added by [Friedrich Knuth](#) 4 months ago. Updated 4 months ago.

<b>Status:</b>	In Progress	<b>Start date:</b>	Oct 04, 2016
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>	<a href="#">Michael Vardaro</a>	<b>% Done:</b>	<div><div></div></div> 0%
<b>Category:</b>	-		
<b>Target version:</b>	-		
<b>Target Release:</b>	N/A	<b>Instrument Affected:</b>	Multiple
<b>Category 1:</b>		<b>CI Software Affected:</b>	Drivers
<b>Issue Closed:</b>		<b>Work Breakdown Structure (WBS):</b>	
<b>Array Affected:</b>	Multiple		

### Description

 Quote

This ticket tracks all related issues describing derived (L1 and L2) data products not being produced by the system.



# Website Updates/Maintenance

- Outside of scope, but necessary
- Database will be leveraged to populate reference pages
- Leads: Sage Lichtenwalner & Leslie Smith



## Research Arrays - Global Irregular Sea - Apex Surface Mooring

### Apex Surface Mooring (GI01SUMO)

The Irregular Sea Apex Surface Mooring is co-located with Apex Profiler Mooring. Additionally, at the Irregular Sea site are two identical Flanking Subsurface that make up the equidistant sides of a triangle of Moorings (20 km) from the co-located Profiler and Surface Moorings. The Surface Mooring is located in 2,800 meters of water southeast of Greenland in the North Atlantic. The triangular configuration moorings provide unique spatial array through which instruments fixed to moorings continuously collect data through time and gliders sample the area between the moorings. The Irregular Sea site is one of four high latitude open ocean locations in the OOI that provide observations to gain better insight into global ocean circulation and climate. In particular instruments on the Surface Buoy will provide key insights into climate dynamics associated with air-sea fluxes.

Like other Open Ocean Surface Moorings, the Irregular Sea Apex Surface Mooring is specifically designed to examine global phenomena as well as withstand rough sea conditions associated with high latitude, deep open ocean sites. The Surface Mooring contains instruments attached to a Surface Buoy floating on the sea surface. Near Surface Instrument Frame 12 meters below the surface, and instruments attached to the Mooring Tower at fixed depths through the water column. The Surface Buoy provides a platform on which to secure surface instruments above the sea surface, below the sea surface, and across the interface between. Additionally the Surface Buoy contains an antenna to transmit data to shore via satellite.



Water Depth  
2,800 meters

Site Location  
60.61°N, 30.28°W

#### Research Themes

- Climate Variability, Ocean Circulation, and Ecosystems
- Ocean-Atmosphere Exchange

### Instruments

This site includes following instruments. To learn more about an instrument type, select its name on the left. To see the relevant data streams for a particular instrument, select the instrument code in the first column which will take you to the OOI Data Portal.

Instrument	Depth	Node	Instrument Series	Make & Model
GI01SUMO-SBD11-00-METSKA000	-5m	Surface Buoy	Bulk Meteorology Instrument Package (METSKA)	Star Engineering - ASIMET
GI01SUMO-SBD12-00-METSKA000	-5m	Surface Buoy	Bulk Meteorology Instrument Package (METSKA)	Star Engineering - ASIMET
GI01SUMO-SBD13-00-FOCHRA000	-5m	Surface Buoy	Direct Covariance Flux (FOCHRA)	WHOI - DCFB

# External Communications (more later)

- Help Desk
- Data Forum
- MIO & SOC Communications
- Workshops & Webinars
- External data delivery
- Facilitating community interactions and engagement
- Quality testing

