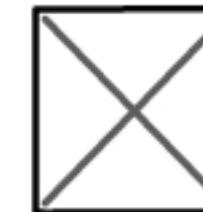


Use Case	Description
OOI UI Use Case 009 - Status UI - Marine Operator Turnover	Tools for marine operators to ensure a clear transfer of information between operators
OOI UI Use Case 011 - Status UI - Event Alert And Alarm Management	An event, alert, and alarm system for informing users of potential issues
OOI UI Use Case 018 - Status UI - QA QC Data Evaluation	Handling of QA and QC for the data
<u>OOI UI Use Case 019 - Status UI - Action Management</u>	
OOI UI Use Case 020 - Status UI - Monitor System Health An Status	An "assets at a glance" landing page for marine operators
OOI UI Use Case 028 - Status UI - Register New User	Allows the user base of OOI to expand as new parties seek access to OOI data.
OOI UI Use Case 029 - Status UI - Request And Obtain Privelages_And_Roles	Allows a user to Request and Obtain user privileges and roles (e.g. to command an instrument)
OOI UI Use Case 030 - Status UI - Submit A Trouble Ticket	Allows a user to submit a trouble ticket
OOI UI Use Case 031 - Status UI - Respond To Trouble Ticket	Provides an interface for the viewing of and response to a Trouble Ticket
OOI UI Use Case 033 - Status UI - Investigate Telemetered Data	Data Manager receives 'trouble report' and must investigate

[Science](#)[Status](#)[Asset](#)[Command and Control](#)[CI Status](#)[Trouble Ticket](#)[Operator Turnover](#)

OOI Login



Username

email/username

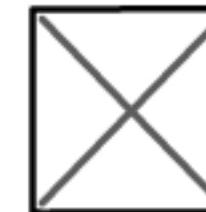
Password

password

[Sign In](#)[New User](#)[get access](#)[Forgot password](#)[help](#)

[Science](#)[Status](#)[Asset](#)[Command and Control](#)[CI Status](#)[Trouble Ticket](#)[Operator Turnover](#)

OOI Get Access



Username

Requested Role

Requested Permissions

[Request Access](#)

[Back/Cancel](#)

[help](#)



Status UI



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[Science](#)[Status](#)[Asset](#)[Command and Control](#)[CI Status](#)[Trouble Ticket](#)[Operator Turnover](#)[search](#)

8 OK Platforms

2 Issue Platforms

1 Urgent Platforms



- EA
- Pioneer
 - Mesoscale Array
 - All Gliders
 - Glider 465
 - Glider 512
 - Glider 721
 - Glider 465
 - Glider 512
 - Glider 721
 - Adaptive Array

- + All Gliders
 - Glider 465
 - Glider 512
 - Glider 721
 - Glider 465
 - Glider 512
 - Glider 721

- Adaptive Array
- Frontal Array
- Moorings
 - Mooring 11
 - Mooring 18
 - Mooring 22
 - Mooring 25
 - Mooring 45
 - Mooring 46
 - Mooring 51
 - Mooring 61
 - Mooring 82
 - Mooring 83
 - Mooring 89
 - Mooring 97

Pioneer
Mesoscale Array
Glider 465
 Voltage: 8.4v
Deployed: 2014/10/28

Pioneer
Adaptive Array
AUV 12C
 Voltage: 11.7v
Deployed: 2014/10/29

Pioneer
Frontal Array
Mooring 46
 Voltage: 5.3v
Deployed: 2013/10/17

Pioneer
Mesoscale Array
Glider 512
 Voltage: 8.2v

User Sign In Current Date/time 01:00, Oct 15, 2014 X

User Information:	Turnover Information:
Signed in as JIM User Role Operator Permissions admin Last Sign on 23:00, Oct 13, 2014	Turned over from Mark User Role Operator Permissions admin Signed off on 23:00, Oct 14, 2014

[View Event Log](#)[OK](#)

Pioneer
Frontal Array
Mooring 82
 Voltage: 8.7v
Deployed: 2013/10/27

Pioneer
Mesoscale Array
Glider 721
 Voltage: 8.2v

Pioneer
Adaptive Array
AUV 12B
 Voltage: 22.1v

2013/04/01 N/A 2013/10/17

Pioneer
Frontal Array
Mooring 98
 Voltage: 8.5v
Deployed: 2013/10/17

Pioneer
Front Array
Mooring 101
 Voltage: 0.3v
Deployed: 2014/08/28



Status UI



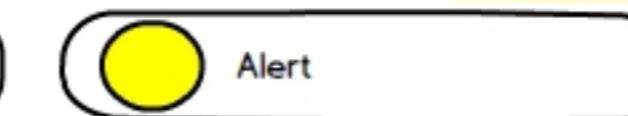
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[Science](#)[Status](#)[Asset](#)[Command and Control](#)[CI Status](#)[Trouble Ticket](#)

Trouble Tickets link, provides complete
access to logged issues

 search

- [EA](#)
- [Pioneer](#)
- [Mesoscale Array](#)
- [All Gliders](#)
- [Glider 465](#)
- [Glider 512](#)
- [Glider 721](#)
- [Glider 465](#)
- [Glider 512](#)
- [Glider 721](#)

- [Adaptive](#)

- [Frontal A](#)

filter log by asset

- [Mooring](#)

Mooring ...

Mooring 18

Mooring 22

Mooring 25

Mooring 45

Mooring 46

Mooring 51

Mooring 61

Mooring 82

Mooring 83

Mooring 89

Mooring 97

- Turnover Log
- Since Last Logon
- Today
- Yesterday
- 1 Week

Extensive logging
overview, with filtering
and linking capability,
allows a user to view
add comments

User Logged in
Last login since ...

Today

9:01am
10:30am

10 Wednesday
October, 2014

Temperature Sensor on [Mooring 25](#)
reported and [issue](#).

[All Assets](#) > [Today](#) > [All](#)

Submit a ticket based on this event

Add a Comment to this event

12:45am

10 Wednesday
October, 2014

Voltage on [Glider 465](#) is now
12.5v



1:45pm

10 Wednesday
October, 2014

Temperature Sensor on [instrument XXX](#)
on [Glider 465](#) was turned off



performed this action to
resolve [this issue](#)

Assigned to Jim



Status UI

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User profile and notifications

Science

Status

Asset

Command and Control

CI Status

Trouble Ticket

Operator Turnover

search

Search Capability

8 OK Platforms

2 Issue Platforms

1 Urgent Platforms



EA
Pioneer
Mesoscale Array
All Gliders

- + Glider 465
- + Glider 512
- + Glider 721
- + Glider 465
- + Glider 512
- + Glider 721

Adaptive Array

Frontal Array
Sidebar
Moorings

- + Mooring 11
- + Mooring 18
- Mooring 22
- + Mooring 25
- Mooring 45
- + Mooring 46
- Mooring 51
- Mooring 61
- + Mooring 82
- Mooring 83
- + Mooring 89
- Mooring 97

Pioneer
Mesoscale Array
Glider 465
Voltage: 8.4v
Deployed: 2014/10/28

Pioneer
Mesoscale Array
Glider 512
Voltage: 8.2v
Deployed: 2014/10/28

Pioneer
Mesoscale Array
Glider 721
Voltage: 8.2v
Deployed: 2014/10/28

Pioneer
Adaptive Array
AUV 12B
Voltage: 22.1v
Deployed: 2014/10/29

Pioneer
Adaptive Array
AUV 12C
Voltage: 11.7v
Deployed: 2014/10/29

Pioneer
Frontal Array
Mooring 11
Voltage: 14.1v
Deployed: 2013/04/09

Pioneer
Frontal Array
Mooring 18
Voltage: --v
Deployed: N/A

Pioneer
Frontal Array
Mooring 25
Voltage: 10.1v
Deployed: 2013/10/17

Pioneer
Frontal Array
Mooring 46
Voltage: 5.3v
Deployed: 2013/10/17

Pioneer
Frontal Array
Mooring 82
Voltage: 8.7v
Deployed: 2013/10/27

Pioneer
Frontal Array
Mooring 98
Voltage: 8.5v
Deployed: 2013/10/17

Pioneer
Front Array
Mooring 101
Voltage: 0.3v
Deployed: 2014/08/28

Filter by alert category

Tile view and list view



Status UI



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[Science](#)[Status](#)[Asset](#)[Command and Control](#)[CI Status](#)[Trouble Ticket](#)[Operator Turnover](#)

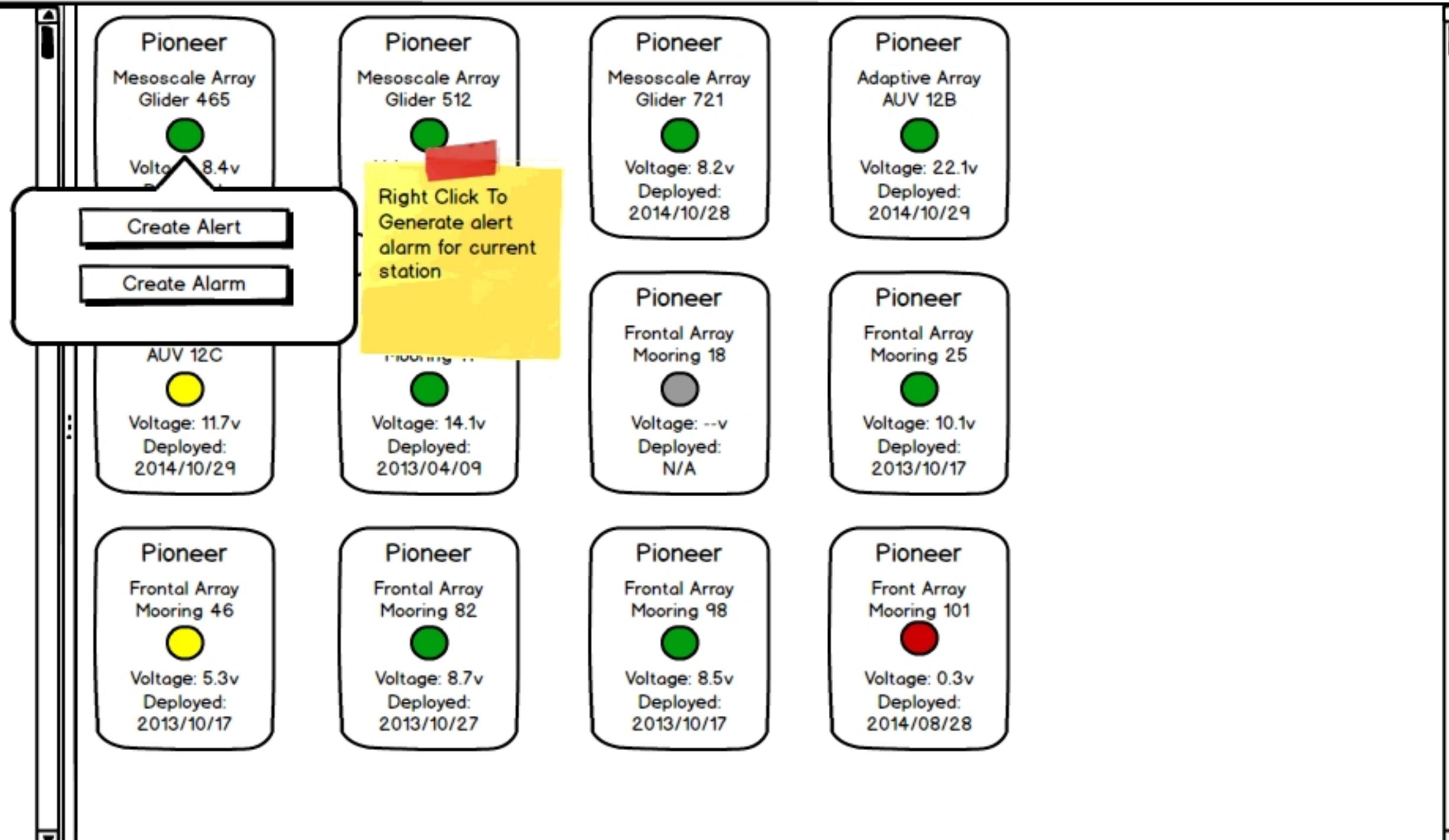
8 OK Platforms

2 Issue Platforms

1 Urgent Platforms



- EA
- Pioneer
 - Mesoscale Array
 - All Gliders
 - Glider 465
 - Glider 512
 - Glider 721
 - Glider 465
 - Glider 512
 - Glider 721
 - Adaptive Array
 - Frontal Array
 - Moorings
 - Mooring 11
 - Mooring 18
 - Mooring 22
 - Mooring 25
 - Mooring 45
 - Mooring 46
 - Mooring 51
 - Mooring 61
 - Mooring 82
 - Mooring 83
 - Mooring 89
 - Mooring 97



[Science](#) [Status](#) [Asset](#) [Command and Control](#) [CI Status](#) [Trouble Ticket](#) [Operator Turnover](#) search

Alert / Alarm Generation

[Load From Existing...](#)[Template ALARM](#)[Load](#)

- [EA](#)
- [Pioneer](#)
 - [Mesoscale Array](#)
 - [All Gliders](#)
 - [Glider 465](#)
 - [Glider 512](#)
 - [Glider 721](#)
 - [Glider 465](#)
 - [Glider 512](#)
 - [Glider 721](#)
 - [Adaptive Array](#)
 - [Frontal Array](#)
 - [Moorings](#)
 - [Mooring 11](#)
 - [Mooring 18](#)
 - [Mooring 22](#)
 - [Mooring 25](#)
 - [Mooring 45](#)
 - [Mooring 46](#)
 - [Mooring 51](#)
 - [Mooring 61](#)
 - [Mooring 82](#)
 - [Mooring 83](#)
 - [Mooring 89](#)
 - [Mooring 97](#)

Create Alert/Alarm

Platform	<input type="text" value="Glider 721"/>	Platform To Create alert/alarm for
Instrument	<input type="text" value="CTD"/>	Instrument to Create alert/alarm for
Field	<input type="text" value="Temperature"/>	Field or parameter to Create alert/alarm for
Type	<input type="text" value="Min / Max Range"/>	Function or constraint type to be applied
	<input type="text" value="Average"/>	
Inputs	Min <input type="text" value="-4"/> Max <input type="text" value="32"/>	Constraint Values/Inputs to be applied

Additional Info

Name	<input type="text" value="Glider 721 Temperature Alarm"/>
Type	<input checked="" type="radio" value="Alert"/> Alert <input type="radio" value="Alarm"/> Alarm
Tier / Level	<input type="text" value="Tier 1"/>
	<input type="text" value="Tier 2"/>
	<input type="text" value="Tier 3"/>
Description	Used to identify when the sensor goes out of range



Status UI

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User profile and notifications

Science

Status

Asset

Command and Control

CI Status

Trouble Ticket

Operator Turnover

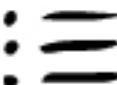
search

Search Capability

8 OK Platforms

2 Issue Platforms

1 Urgent Platforms



Filter by alert category

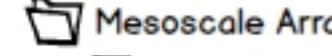
Tile view and list view



EA



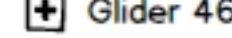
Pioneer



Mesoscale Array



All Gliders



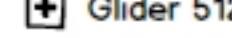
Glider 465



Glider 512



Glider 721



Glider 465



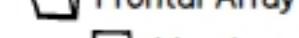
Glider 512



Glider 721



Adaptive Array



Frontal Array

Sidebar



Moorings



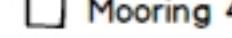
Mooring 11



Mooring 18



Mooring 22



Mooring 25



Mooring 45



Mooring 46



Mooring 51



Mooring 61



Mooring 82

Mooring 83

Mooring 89

Mooring 97

Pioneer
Adaptive Array
AUV 12C
 Voltage: 11.7v
Deployed:
2014/10/29

Pioneer
Frontal Array
Mooring 46
 Voltage: 5.3v
Deployed:
2013/10/17



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User profile and notifications

Science

Status

Asset

Command and Control

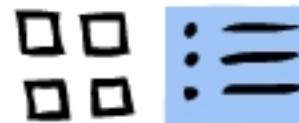
CI Status

Trouble Ticket

Operator Turnover

search

Search Capability



EA

Pioneer

Mesoscale Array

All Gliders

Glider 465

Glider 512

Glider 721

Glider 465

Glider 512

Glider 721

Adaptive Array

Frontal Array

Sidebar

Moorings

Mooring 11

Mooring 18

Mooring 22

Mooring 25

Mooring 45

Mooring 46

Mooring 51

Mooring 61

Mooring 82

Mooring 83

Mooring 89

Mooring 97

Pioneer Mesoscale Array Glider 465 Voltage: 8.4v Deployed: 2014/10/28

Pioneer Mesoscale Array Glider 512 Voltage: 8.2v Deployed: 2014/10/28

Pioneer Mesoscale Array Glider 721 Voltage: 8.2v Deployed: 2014/10/28

Pioneer Frontal Array Mooring 46 Voltage: 5.3v Deployed: 2013/10/17



Status UI

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User profile and notifications

Science

Status

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CI Status

Trouble Ticket

Operator Turnover

search

8 OK Platforms

2 Issue Platforms

1 Urgent Platforms



- EA
- Pioneer
 - Mesoscale Array
 - All Gliders
 - Glider 465
 - Glider 512
 - Glider 721
 - Glider 465
 - Glider 512
 - Glider 721
 - Adaptive Array
 - Frontal Array
 - Moorings
 - Mooring 11
 - Mooring 18
 - Mooring 22
 - Mooring 25
 - Mooring 45
 - Mooring 46
 - Mooring 51
 - Mooring 61
 - Mooring 82
 - Mooring 83
 - Mooring 89
 - Mooring 97

Pioneer
Mesoscale Array
Glider 465

Voltage: 8.4v
Deployed:
2014/10/28

Pioneer
Mesoscale Array
Glider 512

Voltage: 8.2v
Deployed:
2014/10/28

Pioneer
Mesoscale Array
Glider 721

Voltage: 8.2v
Deployed:
2014/10/28

Pioneer
Adaptive Array
AUV 12B

Voltage: 22.1v
Deployed:
2014/10/29

Pioneer - Mesoscale Array - Glider 512

Tier One Items

- Location: Lat: 34.6 Lon:-72.9
- Power: 34.69v
- Telemetry: 10/10 sensors

[More info](#)

Highest Level information

Pioneer
Frontal Array
Mooring 18

Voltage: 10.1v
Deployed:
2013/10/17

Pioneer
Frontal Array
Mooring 46

Voltage: 5.3v
Deployed:
2013/10/17

Pioneer
Frontal Array
Mooring 82

Voltage: 8.7v
Deployed:
2013/10/27

Pioneer
Frontal Array
Mooring 98

Voltage: 8.5v
Deployed:
2013/10/17

Pioneer
Frontal Array
Mooring 101

Voltage: 0.3v
Deployed:
2014/08/28



Status UI



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Glider 465
Pioneer Mesoscale Array

[All](#)[Tier 1](#)[Tier 2](#)[Tier 3](#)

Filters use
same colored
indicators



EA

Pioneer

Mesoscale Array

+ All Gliders

+ Glider 465

+ Glider 512

+ Glider 721

+ Glider 465

+ Glider 512

+ Glider 721

Adaptive Array

Frontal Array

Moorings

+ Mooring 11

+ Mooring 18

Mooring 22

+ Mooring 25

Mooring 45

+ Mooring 46

Mooring 51

Mooring 61

+ Mooring 82

Mooring 83

+ Mooring 89

Mooring 97

Tier 1

Location
Lat 32.5 Lon -72.6

Power
12.34v

Telemetry
10/10 sensors

Tier 2

Platform controllers

Power System Controller
Battery charge, charge cycle
Voltage and current draws

STC

CPM

DCL

MPEA

Tier 3

Instrument 1
Data file size

Data range
Temperature

Salinity

Instrument 2
Data file size

Data range
Temperature

Salinity

Instrument 3
Data file size

Data range
Temperature

Salinity

Instrument 4
Data file size

Data range
Temperature

Salinity



Science Status Asset Command and Control CI Status Trouble Ticket Operator Turnover

search

Glider 465
Pioneer Mesoscale Array

All

Tier 1

Tier 2

Tier 3



EA
Pioneer
Mesoscale Array
All Gliders

+ Glider 465
+ Glider 512
+ Glider 721
+ Glider 465
+ Glider 512
+ Glider 721

Adaptive Array
Frontal Array
Moorings

+ Mooring 11
+ Mooring 18
Mooring 22
+ Mooring 25
Mooring 45
+ Mooring 46
Mooring 51
Mooring 61
+ Mooring 82
Mooring 83
+ Mooring 89
Mooring 97

Tier 1

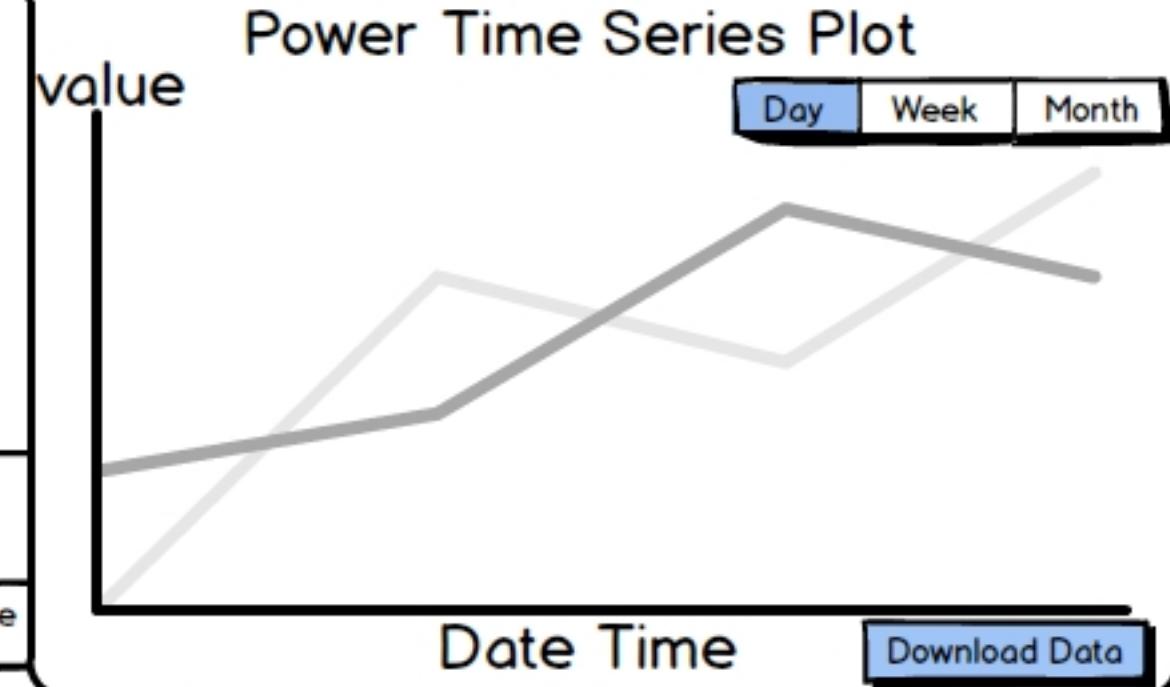
Location
lat 32.5 lon -72.6

Power
12.34v

Telemetry
10/10 sensors

Tier 2

Platform controllers
 CPM



Tier 3

Instrument 1 Data file size

Instrument 2 Data file size Data range Temperature Salinity

Instrument 3 Data file size Data range Temperature Salinity

Instrument 4 Data file size Data range Temperature Salinity



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Science Status Asset Command and Control CI Status Trouble Ticket Operator Turnover

 search

Glider 465
Pioneer Mesoscale Array

All Tier 1 Tier 2

Tier 3



Instrument Time Series Plot

Day Week Month

- EA
- Pioneer
 - Mesoscale Array
 - All Gliders
 - + Glider 465
 - + Glider 512
 - + Glider 721
 - + Glider 465
 - + Glider 512
 - + Glider 721

Tier 1
 Location
lat 32.5 lon -72.6



Tier 2
 Platform controller



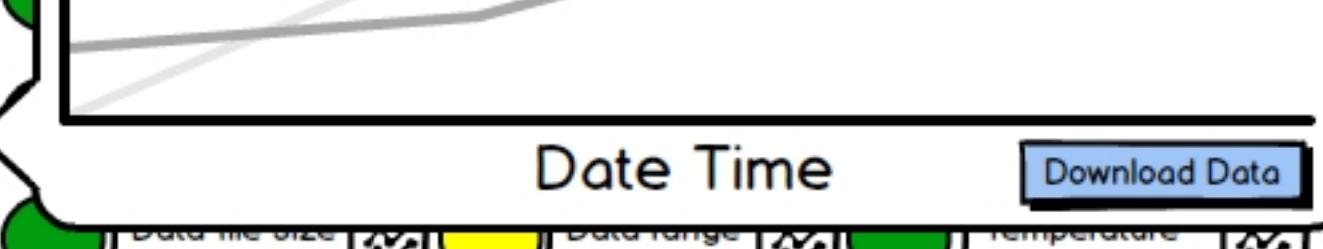
CPM



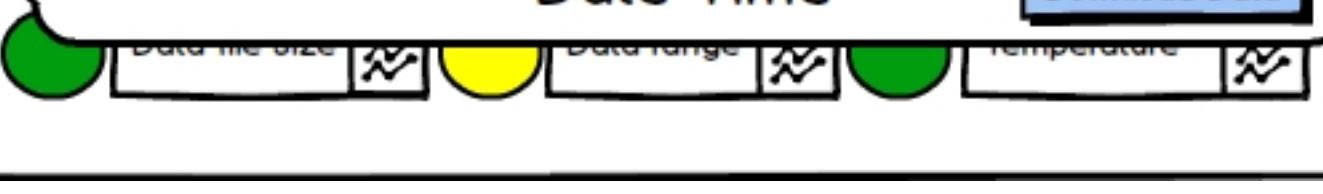
Tier 3
 Instrument 1



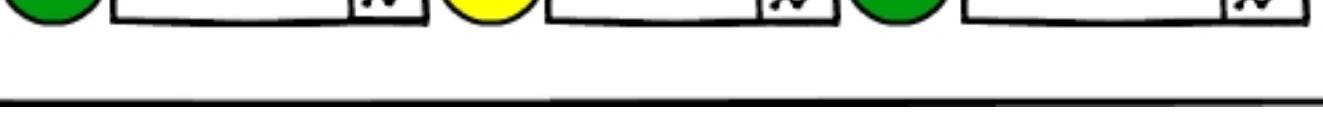
Instrument 2



Instrument 3



Instrument 4



Date Time

Download Data

Data file size

Data range

Temperature

Telemetry
10/10 sensors



STC



1PEA



Salinity



Salinity



Salinity



Salinity





Status UI



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[Science](#)[Status](#)[Asset](#)[Command and Control](#)[CI Status](#)[Trouble Ticket](#)[Operator Turnover](#) search

Glider 465
Pioneer Mesoscale Array

[All](#)[Tier 1](#)[Tier 2](#)[Tier 3](#)

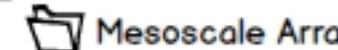
Filters use
same colored
indicators



EA



Pioneer



Mesoscale Array



All Gliders



Glider 465



Glider 512



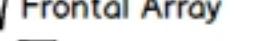
Glider 721



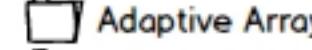
Glider 465



Glider 512



Glider 721



Moorings



Mooring 11



Mooring 18



Mooring 22



Mooring 25



Mooring 45



Mooring 46



Mooring 51



Mooring 61



Mooring 82

Mooring 83

Mooring 89

Mooring 97

Tier 3

Instrument 1



Data file size



Data range



Temperature



Salinity



Instrument 2



Data file size



Data range



Temperature



Salinity



Instrument 3



Data file size



Data range



Temperature



Salinity



Instrument 4



Data file size



Data range



Temperature



Salinity



Filtered status list



Status UI



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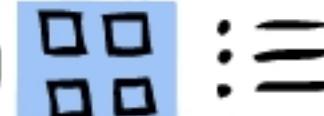


Science Status Asset Command and Control CI Status Trouble Ticket Operator Turnover

search

8 OK Platforms

2 Issue Platforms



EA
Pioneer
Mesoscale Array

- + All Gliders
 - + Glider 465
 - + Glider 512
 - + Glider 721
 - + Glider 465
 - + Glider 512
 - + Glider 721

Adaptive Array
Frontal Array
Moorings

- + Mooring 11
- + Mooring 18
- Mooring 22
- + Mooring 25
- Mooring 45
- + Mooring 46
- Mooring 51
- Mooring 61
- + Mooring 82
- Mooring 83
- + Mooring 89
- Mooring 97

Pioneer
Mesoscale Array
Glider 465
Voltage: 8.4v
Deployed:
2014/10/28

Pioneer
Mesoscale Array
Glider 512
Voltage: 8.2v
Deployed:
2014/10/28

Pioneer
Mesoscale Array
Glider 721
Voltage: 8.4v
Deployed:
2014/10/28

Pioneer
Adaptive Array
AUV 12C
Voltage: 11.7v
Deployed:
2014/10/29

Pioneer
Frontal Array
Mooring 11
Voltage: 14.1v
Deployed:
2013/04/09

Pioneer
Frontal Array
Mooring 18
Voltage: --v
Deployed:
N/A

Pioneer
Frontal Array
Mooring 25
Voltage: 10.1v
Deployed:
2013/10/17

Pioneer
Frontal Array
Mooring 46
Voltage: 5.3v
Deployed:
2013/10/17

Pioneer
Frontal Array
Mooring 82
Voltage: 8.7v
Deployed:
2013/10/27

Pioneer
Frontal Array
Mooring 98
Voltage: 8.5v
Deployed:
2013/10/17

Pioneer
Frontal Array
Mooring 101
Voltage: 0.3v
Deployed:
2014/08/28

Turnover will log the current user out, and
hand over responsibilities to the defined user.

Turnover to:

BOB

Manger:

Operators Manger/Supervisor

Turnover

2014/10/29



Status UI



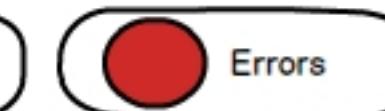
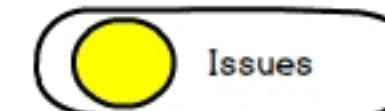
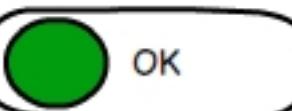
OOI is funded by the
National Science Foundation



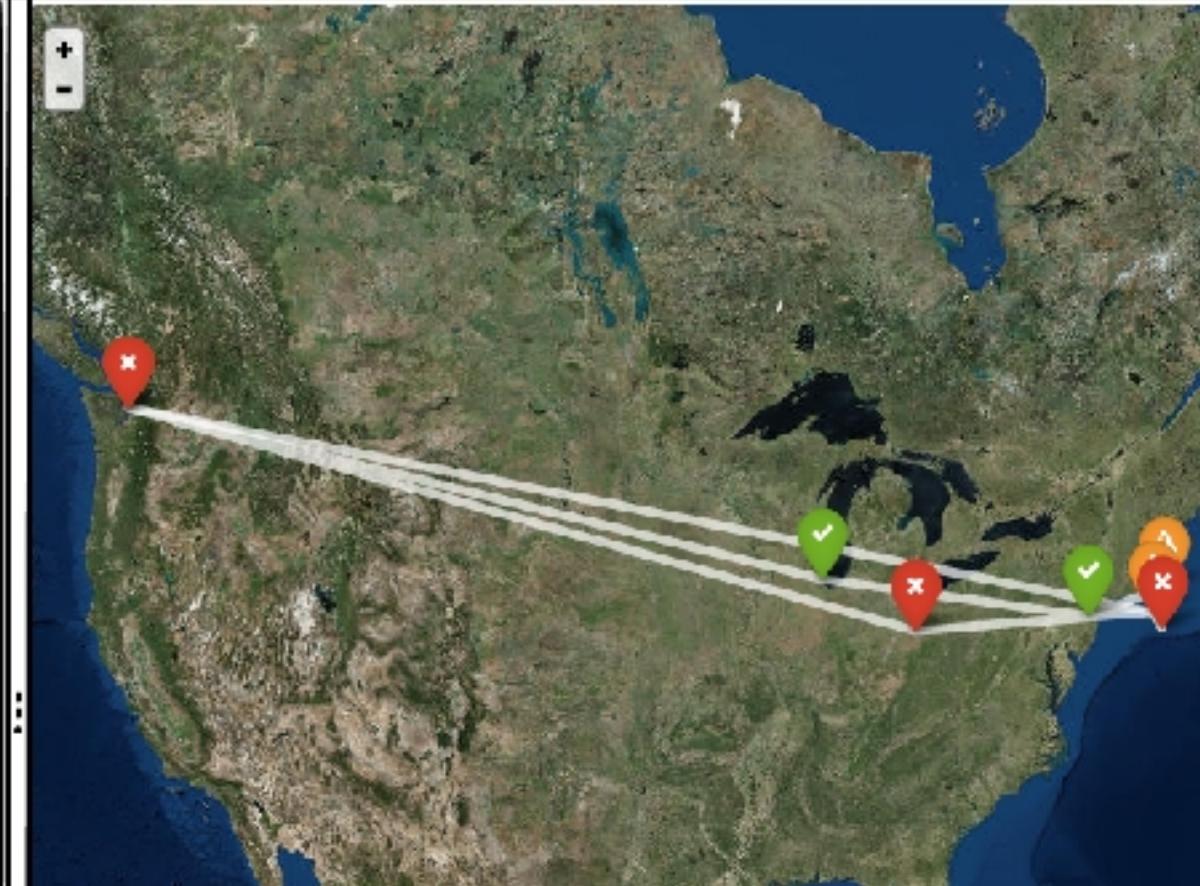
OOI is managed and coordinated through
the Consortium for Ocean Leadership



Science Status Asset Command and Control CI Status Trouble Ticket Operator Turnover

Search Capability

- EA
- Pioneer
 - Mesoscale Array
 - All Gliders
 - Glider 465
 - Glider 512
 - Glider 721
 - Glider 465
 - Glider 512
 - Glider 721
 - Adaptive Array
 - Frontal Array
 - Moorings
 - Mooring 11
 - Mooring 18
 - Mooring 22
 - Mooring 25
 - Mooring 45
 - Mooring 46
 - Mooring 51
 - Mooring 61
 - Mooring 82
 - Mooring 83
 - Mooring 89
 - Mooring 97



Location	Lat	Lon	Status
Offshore	40.14	-70.78	Down
landing station	40.67	-71.17	Unknown
OSU	40	-83.0145	Down
Seattle	47.6097	-122.3331	Up
Chicago	41.8369	-87.6847	Up
Rutgers	40.5017	-74.4481	Up
WHOI	41.5245	-70.6710	Unknown
UW	47.6550	-122.3080	Down