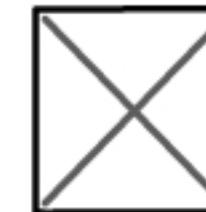


Use Case	Description
OOI UI Use Case 009 - Status UI - Marine Operator Turnover	Tools for marine operators to ensure a clear transfer of information between operators
OOI UI Use Case 011 - Status UI - Event Alert And Alarm Management	An event, alert, and alarm system for informing users of potential 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



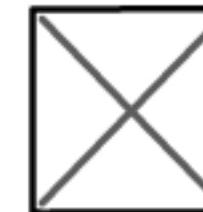
Username

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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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

Pioneer
Mesoscale Array
Glider 721
 Voltage: 8.2v

Pioneer
Adaptive Array
AUV 12B
 Voltage: 22.1v

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
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

User Sign In	Current Date/time	01:00, Oct 15, 2014	X
User Information: Signed in as JIM User Role Operator Permissions admin Last Sign on 23:00, Oct 13, 2014	Turnover Information: Turned over from Mark User Role Operator Permissions admin Signed off on 23:00, Oct 14, 2014		
View Event Log		OK	



Status UI



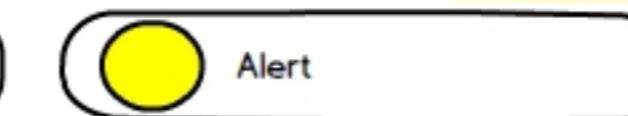
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[Science](#)[Status](#)[Asset](#)[Command and Control](#)[CI Status](#)[Trouble Ticket](#)[Open](#)

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

12:45pm

10 Wednesday
October, 2014
Temperature Sensor on [instrument XXX](#)
on [Glider 465](#) was turned off

1:45pm

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

All Assets > Today > All

Submit a ticket based on this event

Add a Comment to this event



Status UI

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User profile and notifications

Science

Status

Asset

Command and Control

CI Status

Trouble Ticket

Operator Turnover

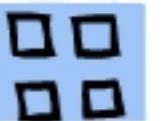
search

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
- 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

Sidebar

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

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

Pioneer
Mesoscale Array
Glider 512

Right Click To
Generate alert
alarm for current
station

 Voltage: 14.1v
Deployed:
2013/04/09

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
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

[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 Platform To Create alert/alarm for**Instrument** Instrument to Create alert/alarm for**Field** Field or parameter to Create alert/alarm for**Type** Function or constraint type to be applied**Inputs** Min Max Constraint Values/Inputs to be applied

Additional Info

Name **Type** Alert Alarm**Tier / Level** ▾ ▾ ▾**Description**



Status UI

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User profile and notifications

Science

Status

Asset

Command and Control

CI Status

Trouble Ticket

Operator Turnover

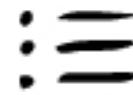
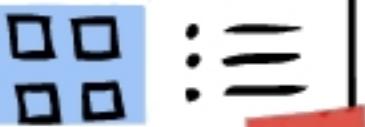
search

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

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

Sidebar

Pioneer

Adaptive Array
AUV 12C



Pioneer

Frontal Array
Mooring 46



Voltage: 11.7v
Deployed:
2014/10/29

Voltage: 5.3v
Deployed:
2013/10/17

Filter by alert category

Tile view and list view



Status UI

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User profile and notifications

Science

Status

Asset

Command and Control

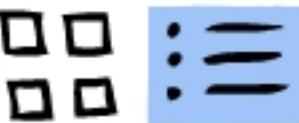
CI Status

Trouble Ticket

Operator Turnover

search

Search Capability



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

Sidebar

- 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



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User profile and notifications

Science

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CI Status

Trouble Ticket

Operator Turnover

search

8 OK Platforms

2 Issue Platforms

1 Urgent Platforms



- EA
- Pioneer
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 - 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

Highest Level
information

More info

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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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

Filters use
same colored
indicators

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

 searchGlider 465
Pioneer Mesoscale Array

All

Tier 1

Tier 2

Tier 3



EA



Pioneer



Mesoscale Array

+ All Gliders

+ Glider 465

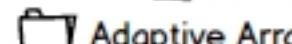
+ Glider 512

+ 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 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

Filters use
same colored
indicators



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
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 Mooring 45
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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