

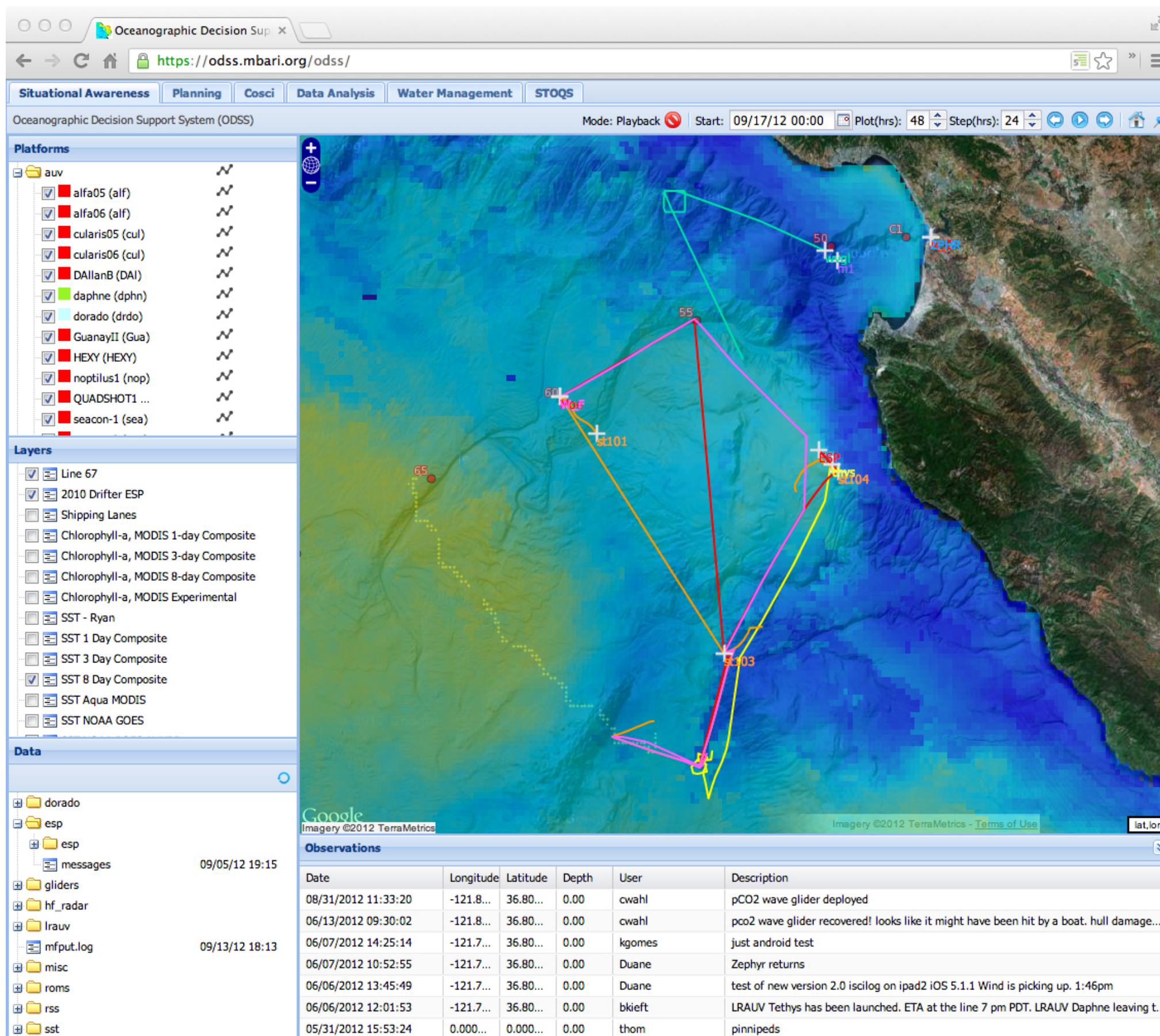
Overall Task Groups

- Requirements gathering for CANON Fall
 - Satellite, data, what to sync, etc.
- Configuration Management
 - Build process, automation, testing
- Improvements
 - Tracking Service
 - Mapping Service
 - Data Repository Service
- Planning Service Development
- Experiment Management
- Data Analysis Integration
- Collaboration Service Development

Tracking
Services

Mapping
Services

Data
Services



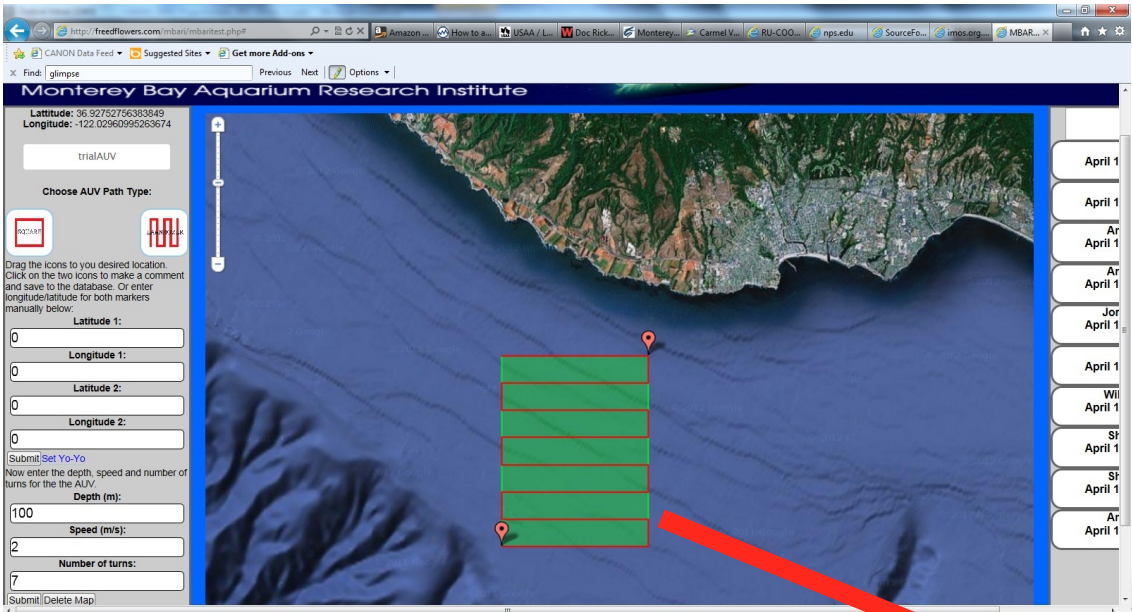
Service Improvements

- Tracking
 - Add platform easier from email to appear (documentation in ODSS)
 - AIS traffic visualization (marine traffic?)
 - Playback controls
 - Data age/last coordinate
 - Easier access to text-based track data
- Mapping
 - Add my own data through ODSS (automation)
 - Diagnostics
- Data Repository
 - Repository structure discussion with Pls and labs
 - Upload data through ODSS

Planning Service

- User draws plans on maps
- Plan sharing
- Basic constraint calculator
- Constraint support
- Generate way points from plan (?)
- Resource scheduler

Planning Service



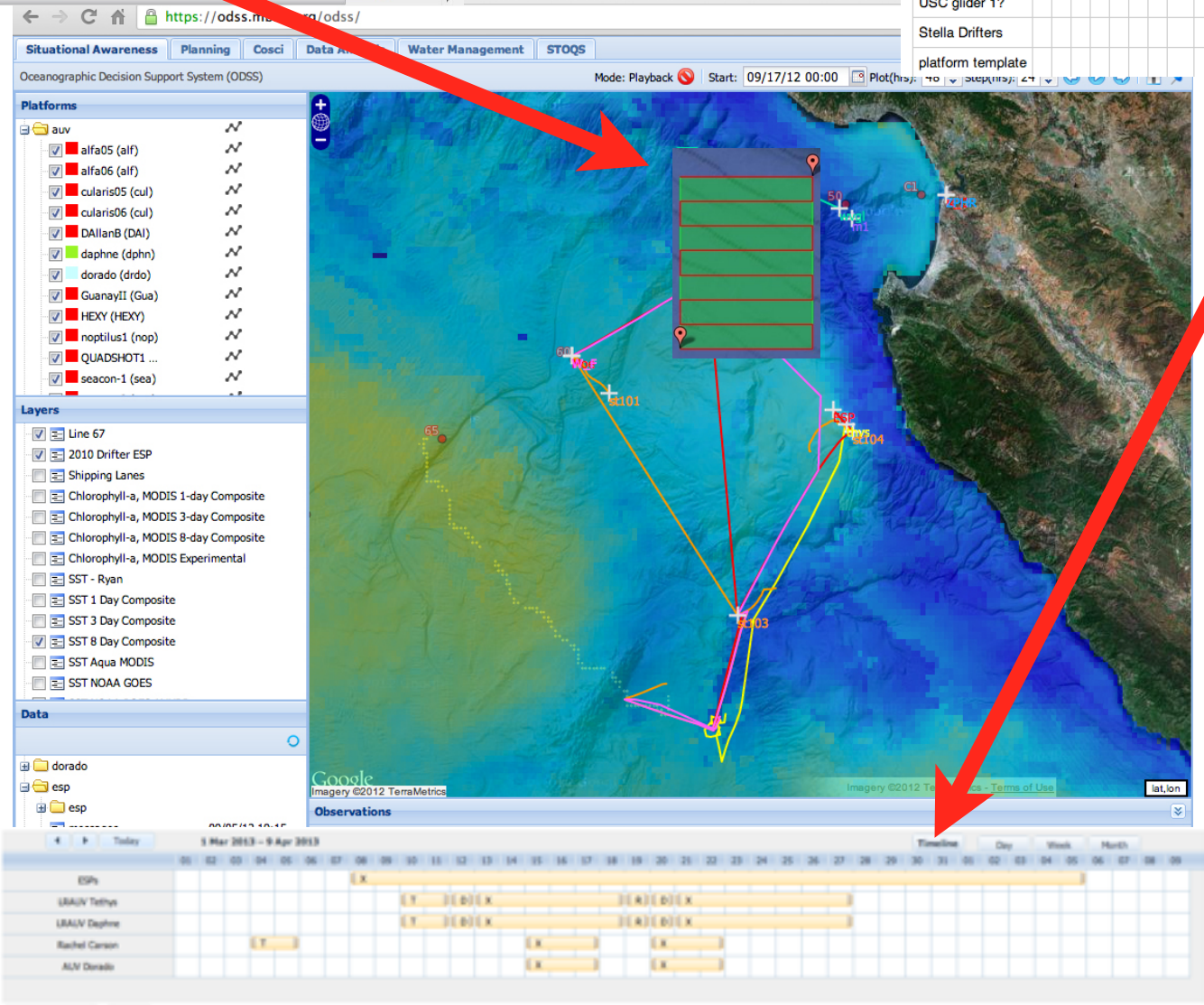
Added by [Thom Maughan](#), last edited by [Thom Maughan](#) on Apr 16, 2013 ([view change](#))
Labels: (None) [EDIT](#)

Fall 2013 CANON ECOHAB Experiment September 2013

Fall Experiment Context:
The fall 2013 experiment is the second of two planned collaborations between MBARI's CANON Initiative and the NOAA ECOHAB Use Patterns on the Development of HAB Hotspots Along the California Coast. Institutions participating in the ECOHAB project are JPL, and NOAA. This second experiment will take place in the Monterey Bay region during September of 2013.

Platform Timeline (September 2013)

Platform	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
ESPs																											
LRAUV Tethys																											
LRAUV Daphne																											
Rachel Carson																											
AUV Dorado																											
Waveglider Tex																											
Waveglider OA																											
USC glider 1?																											
Stella Drifters																											
platform template																											



*Distributed
Autonomy*

Experiment Management

- Allow users to create and configure experiments/campaigns
 - Custom tracking pane
 - Custom mapping pane
 - Custom data repository

Situational Awareness

Planning

Cosci

Data Analysis

Water Manag

Oceanographic Decision Support System (ODSS)

Platforms

auv

☒

alfa05 (alf)

☒

alfa06 (alf)

☒

cularis05 (cul)

☒

cularis06 (cul)

☒

DAllanB (DAI)

☒

daphne (dphn)

☒

dorado (drdo)

☒

GuanayII (Gua)

☒

HEXY (HEXY)

☒

nopitilus1 (nop)

☒

QUADSHOT1 ...

☒

seacon-1 (sea)

Layers

☒

Line 67

☒

2010 Drifter ESP

☐

Shipping Lanes

☐

Chlorophyll-a, MODIS 1-day Composite

☐

Chlorophyll-a, MODIS 3-day Composite

☐

Chlorophyll-a, MODIS 8-day Composite

☐

Chlorophyll-a, MODIS Experimental

☐

SST - Ryan

☐

SST 1 Day Composite

☐

SST 3 Day Composite

☒

SST 8 Day Composite

☐

SST Aqua MODIS

☐

SST NOAA GOES

Data

dorado

esp

esp

messages

gliders

hf_radar

lrauv

mfput.log

misc

roms

rss

sst

09/05/12 19:15

09/13/12 18:13

Google

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lat,lon

Observations

Date	Longitude	Latitude	Depth	User	Description
08/31/2012 11:33:20	-121.8...	36.80...	0.00	cwahl	pCO2 wave glider deployed
06/13/2012 09:30:02	-121.8...	36.80...	0.00	cwahl	pco2 wave glider recovered! looks like it might have been hit by a boat. hull damage...
06/07/2012 14:25:14	-121.7...	36.80...	0.00	kgomes	just android test
06/07/2012 10:52:55	-121.7...	36.80...	0.00	Duane	Zephyr returns
06/06/2012 13:45:49	-121.7...	36.80...	0.00	Duane	test of new version 2.0 isolog on ipad2 iOS 5.1.1 Wind is picking up. 1:46pm
06/06/2012 12:01:53	-121.7...	36.80...	0.00	bkieft	LRAUV Tethys has been launched. ETA at the line 7 pm PDT. LRAUV Daphne leaving t...
05/31/2012 15:53:24	0.000...	0.000...	0.00	thom	pinnipeds

Experiments

Fall 2012

ECO HAB 2013

Fall 2013

Platforms

auv

☒

DAllanB (DAB)

☒

Daphne (dph)

☒

Dorado (drdo)

☒

tethys (thys)

drifter

☒

stella101 (s101)

☒

stella102 (s102)

☒

stella103 (s103)

☒

stella104 (s104)

☒

stella105 (s105)

☒

stella106 (s106)

☒

stella107 (s107)

☒

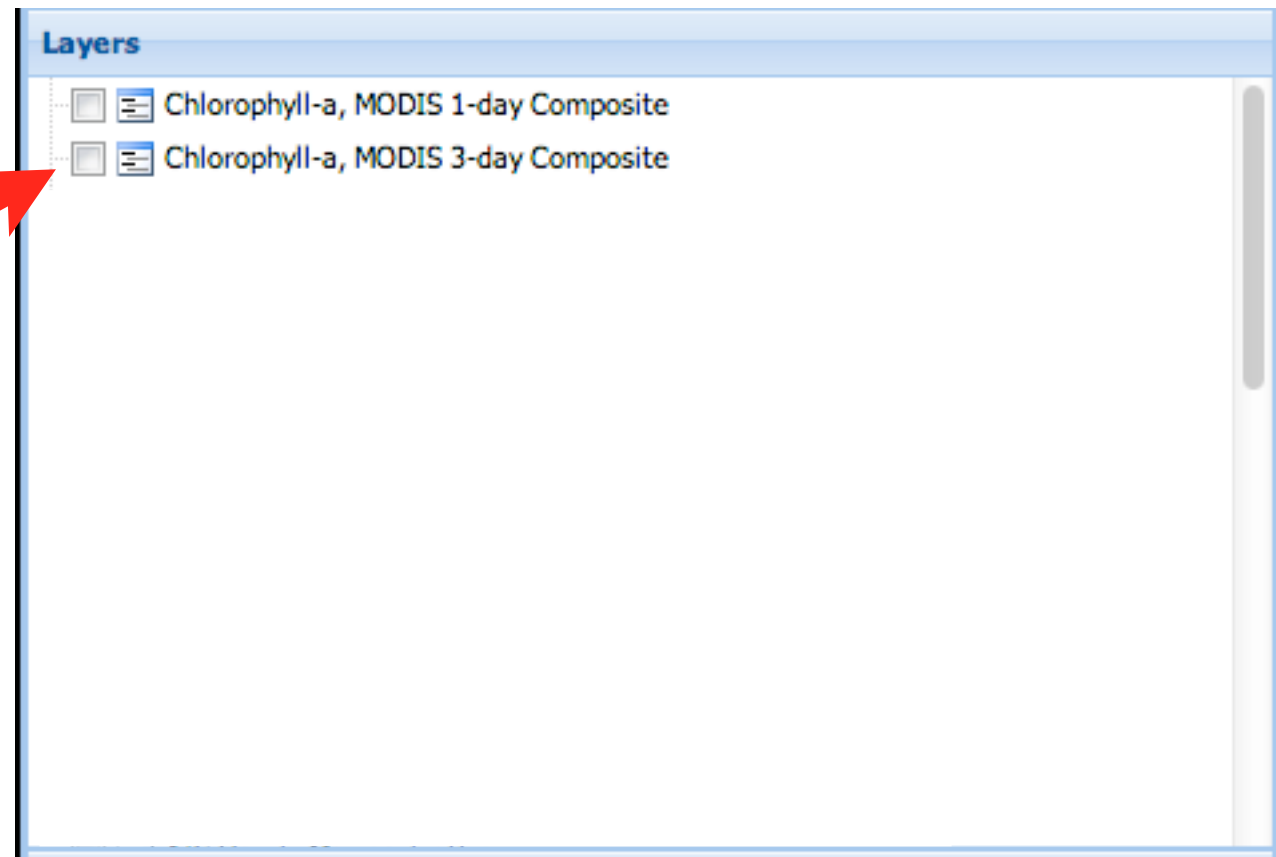
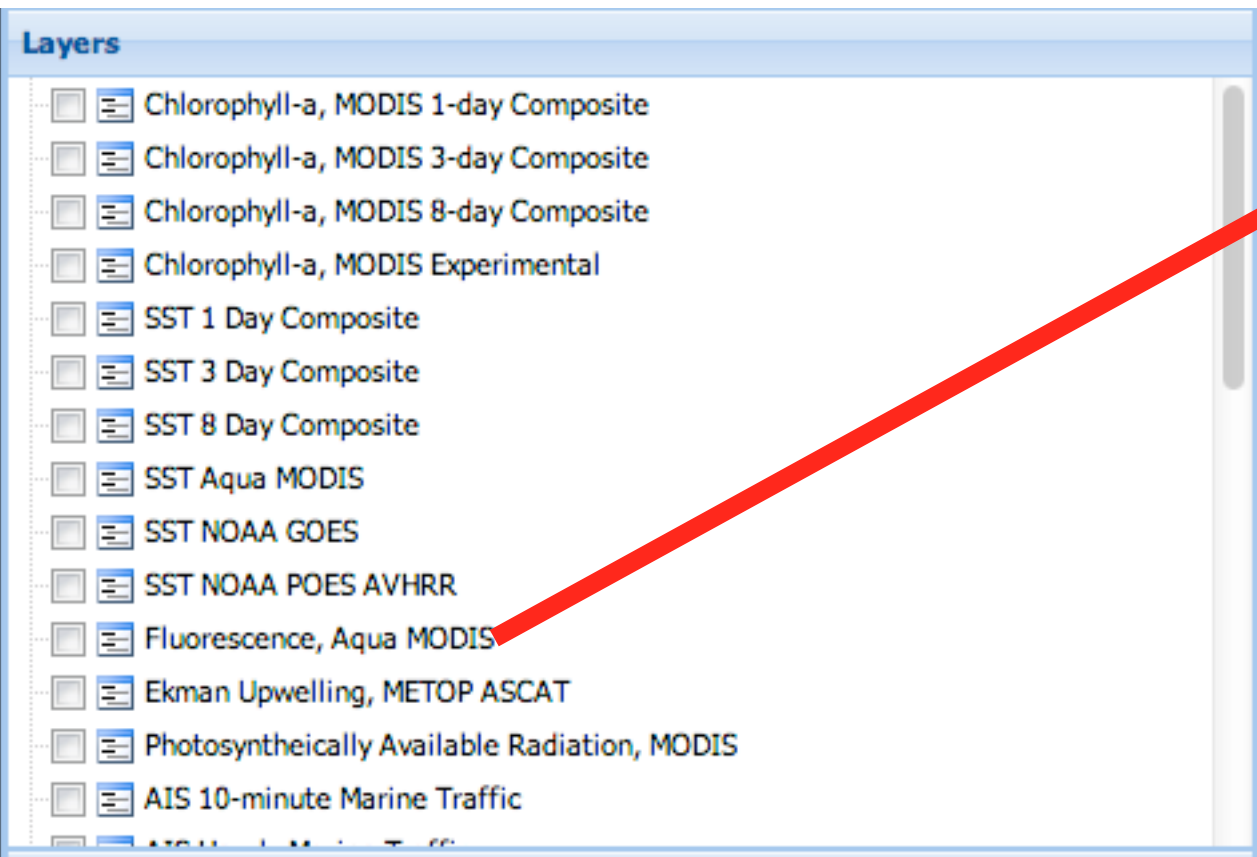
stella108 (s108)

Platforms

auv

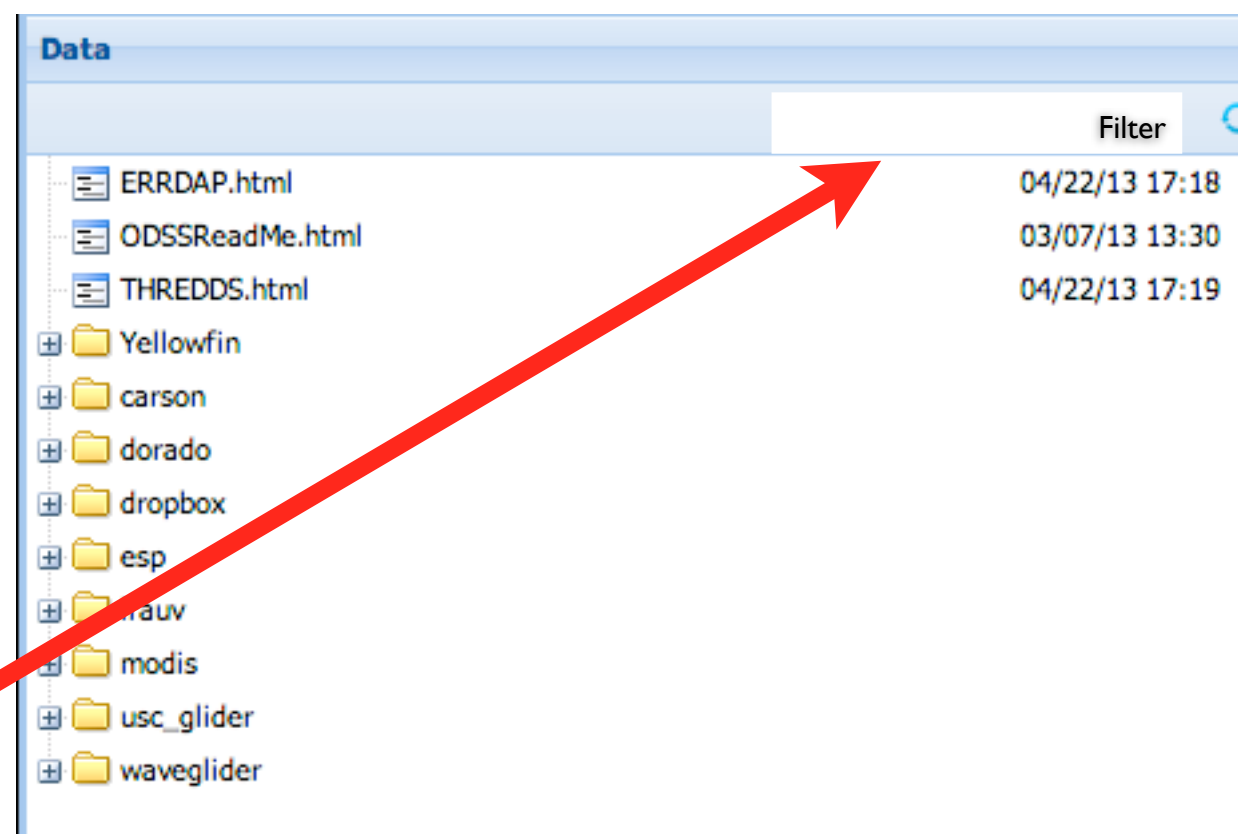
☒

DAllanB (DAB)



New, clean repo
with default
structure

Filter/search entry



Data Analysis Integration

Dashboard > CANON Data > Home > ODSS Data Analysis

ODSS Data Analysis

[View](#) [Edit](#) [Attachments \(0\)](#) [Info](#)

Added by [Thom Maughan](#), last edited by [Kevin Gomes](#) on Aug 22, 2013
Labels: (None) [EDIT](#)

CANON Data Archive Descriptions, a guide to w

[ODSS Water Management](#)
[Data Analysis and Classification Group \(DAC\)](#)
[Data Analysis Requirements](#), requirements for the data analysis
[ODSS Observation Log Mobile Apps](#), instructions for installing
[Guidelines for Data Providers](#), guidelines for where to put your
[Adding your data as a map overlay in ODSS](#)

Links to Mooring data

MBARI Mooring	CENCOOS Mooring	COAMPS Wind
MBARI Mooring Page	CENCOOS Page	COAMPS

Data Plots

[Salinity](#), [Sea Water Temp](#), [Winds](#), [Currents](#), [Oxygen](#), [Delta PC](#)

Variable	M1
Salinity	34.5

Data

ERRDAP.html04/22/13 17:18

ODSSReadMe.html03/07/13 13:30

THREDDS.html04/22/13 17:19

Yellowfin

carson

dorado

dropbox

esp

Irauv

modis

usc_glider

waveglider

Spatial

[Map](#) [3D](#)



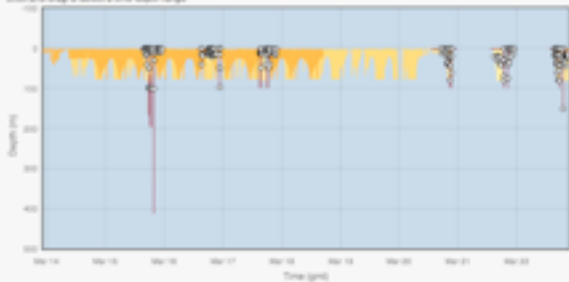
Metadata: approximately 1,994,720 measured parameter data values from 794 ActivityParameters
[Parameter-Parameter](#)
[Sample Data Access](#)
[Measured Parameter Data Access](#)

Temporal

[Clear Selection](#)

[Depth](#) [Parameter](#)

Click and drag to select a time-depth range



☐ Show data
☐ Contour [@scatter](#)

[Sampled Parameters](#) [Clear Selection](#)
[Measured Parameters](#) [Clear Selection](#)
[Parameter Values](#) [Clear Selection](#)
[Platforms](#) [Clear Selection](#)

[Data Analysis](#)

Collaboration

Oceanographic Decision Support System

https://odss.mbari.org/odss/

Situational Awareness Planning Cosci Data Analysis Water Management STQGS

CANON Collaborative Science

Show only: ☒ Common Plots ☒ External Plots ☐ Numerical

Email: Password (☒ Remember):

Discussion Date Picker Collections

CANON update

09/26 22:12 Francisco Chavez Attached is a summary of activ ...

banner imagery

Drifter data for CANON September 2012

Recovered stella drifter 103 on Wednesday

Recovered stella drifter 101 on Wednesday

Stella 103 deployed near 67-60 on Wednesday

Stella 101 deployed near 67-60 on Tuesday

Recovered stella drifter 104 on Monday

ESP on board and secured

Recovered stella drifter 101

Update #4

Should Tethys be following ESP or Moe?

Reci

Stell

Reci

Reci

Satu

Wes

Reci

Observation Details

Username: cwahl

Latitude(deg): 36.80843

Longitude(deg): -121.82749

Depth (m): 0

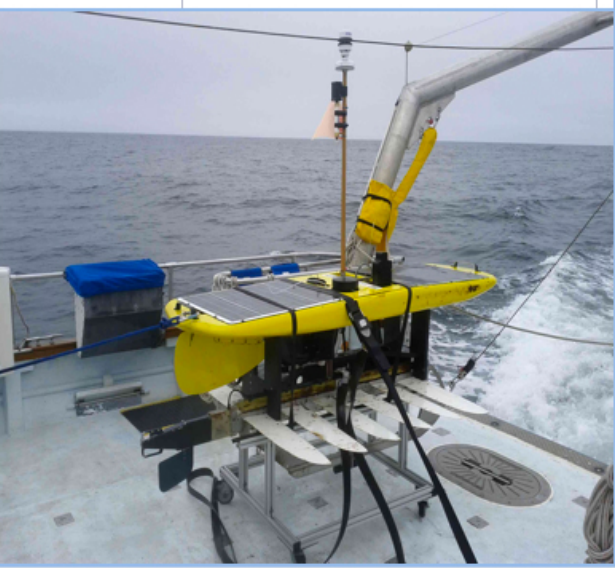
Date/Time: 06/13/2012 09:30:02

Description: pco2 wave glider recovered! looks like it might have been hit by a boat. hull damaged, equilibrator broken.

Observations

Date	Longitude	Latitude	Depth	User
08/31/2012 11:33:20	-121.8...	36.80...	0.00	cwahl
06/13/2012 09:30:02	-121.8...	36.80...	0.00	cwahl
06/07/2012 14:25:14	-121.7...	36.80...	0.00	kgomes
06/07/2012 10:52:55	-121.7...	36.80...	0.00	Duane
06/06/2012 13:45:49	-121.7...	36.80...	0.00	Duane
06/06/2012 12:01:53	-121.7...	36.80...	0.00	bkieft

Google Imagery ©2012 TerraMetrics



Conversation
Threads

Attachments

Oceanographic Decision Support System (ODSS) interface. The browser address bar shows <https://odss.mbari.org/odss/>. The interface includes tabs for Situational Awareness, Planning, Cosci, Data Analysis, Water Management, and STOQS. The main map displays oceanographic data with various platforms and layers. The left sidebar lists platforms and layers, and the bottom section shows data files and folders.

Platforms

- alfa05 (alf)
- alfa06 (alf)
- cularis05 (cul)
- cularis06 (cul)
- DAllanB (DAI)
- daphne (dphn)
- dorado (drdo)
- GuanayII (Gua)
- HEXY (HEXY)
- noptilus1 (nop)
- QUADSHOT1 ...
- seacon-1 (sea)

Layers

- Line 67
- 2010 Drifter ESP
- Shipping Lanes
- Chlorophyll-a, MODIS 1-day Composite
- Chlorophyll-a, MODIS 3-day Composite
- Chlorophyll-a, MODIS 8-day Composite
- Chlorophyll-a, MODIS Experimental
- SST - Ryan
- SST 1 Day Composite
- SST 3 Day Composite
- SST 8 Day Composite
- SST Aqua MODIS
- SST NOAA GOES

Data

- dorado
- esp
- esp
- messages
- gliders

09/05/12 19:15

Google Imagery ©2012 TerraMetrics

Observations

Date	Longitude	Latitude	Depth	User
------	-----------	----------	-------	------

Chat window titled "Dwight A. Morse". The chat history shows a conversation between Dwight A. Morse and Julia Brown.

Dwight A. Morse Hey, can you send me a copy of the presentation from yesterday? 1:00:03 pm

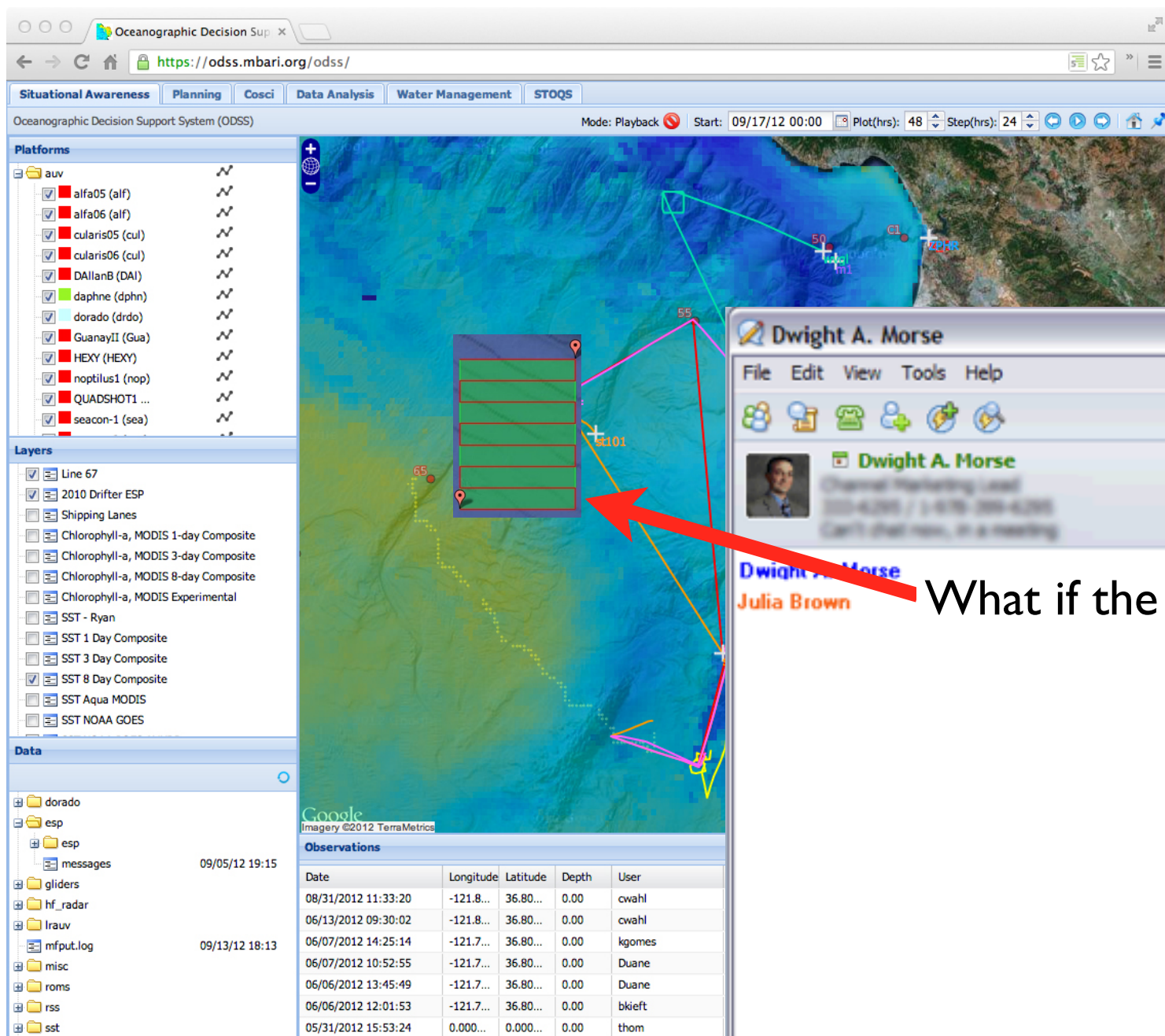
Julia Brown Sure, hang on a sec... 1:01:36 pm

The chat window includes a toolbar with icons for text formatting (bold, italic, underline), link, image, and file sharing. A red arrow points to the file sharing icon (a paperclip) in the toolbar. A tooltip below the icon reads "Send a file to your chat partner...". A "Send" button is located at the bottom right of the chat window.

Data

- ERRDAP.html 04/22/13 17:18
- ODSSReadMe.html 03/07/13 13:30
- THREDDS.html 04/22/13 17:19
- Yellowfin
- carson
- dorado
- dropbox
- esp
- lrauv
- modis
- use glider
- attachments





Dwight A. Morse

File Edit View Tools Help

Dwight A. Morse

Channel Marketing Lead
202-428-1111 / 1-877-288-4288
Can't find him, it's a meeting

1:00:03 pm
1:01:36 pm

What if the AUV did this pattern?

Julia Brown

Send