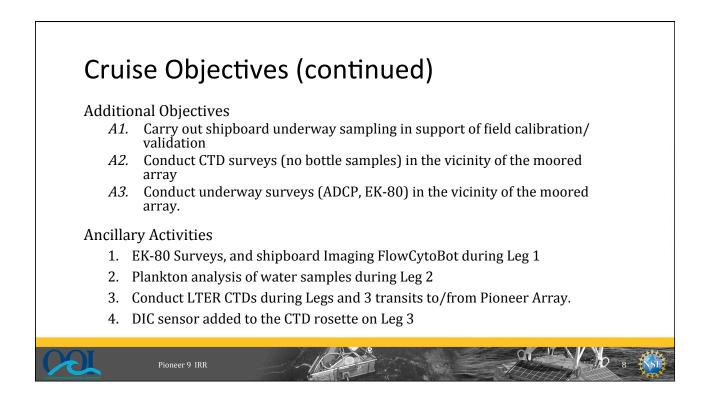
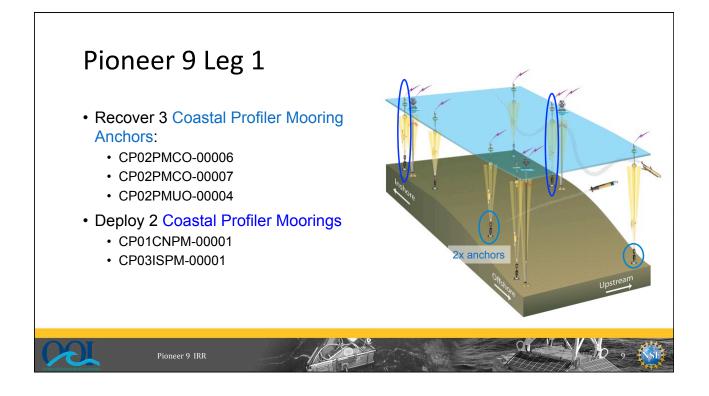
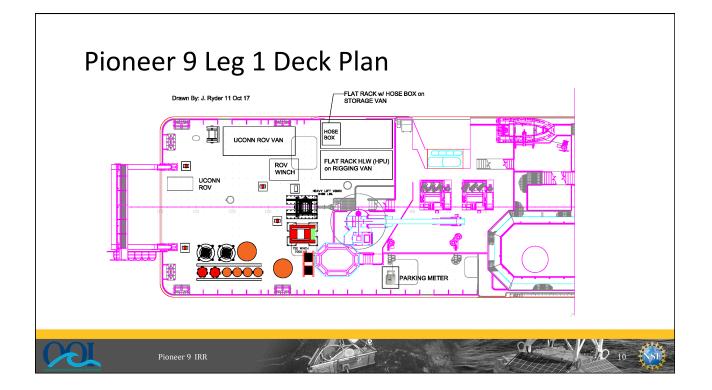


#### **Cruise Objectives Primary Objectives** 01-3. Recover 3 Coastal Surface Moorings/Anchors (ISSM, OSSM, CNSM) 04-8. Recover 5 Coastal Profiler Moorings (PMUI, PMUO, PMCI, PMCO, OSPM) 09-11. Recover 3 anchors from previous deployments (PMCO-6, PMCO-7, PMUO-4) 012-13. Recover 2 Coastal Gliders - 1 deep (FZ-1) and 1 shallow (EB) 014-16. Deploy 3 Coastal Surface Moorings (ISSM, OSSM, CNSM) 017-23. Deploy 7 Coastal Profiler Moorings (PMUI, PMUO, PMCI, PMCO, OSPM, CNPM, ISPM) 024-25. Deploy 5 gliders: 4 deep (FZ-1, FZ-2, SS-1, SS-2) and 1 shallow (EB) 026. Conduct multiple AUV missions in vicinity of moored array 027. Conduct CTD casts with water sampling at the deployment and recovery sites 028. Conduct ship vs. buoy meteorological comparisons at each surface mooring site Pioneer 9 IRR

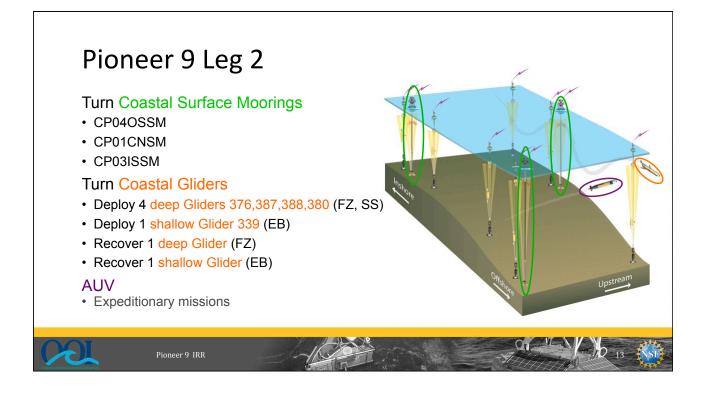


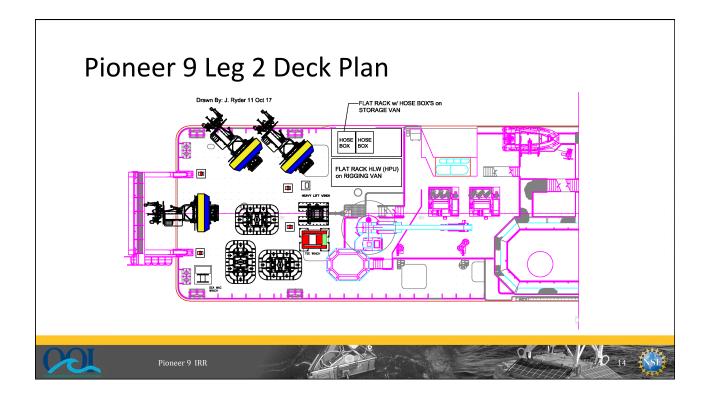




Name	Nationality	Affiliation	Koy Poloo
	Nationality		Key Roles
Al Plueddemann	USA	WHOI/Chief Sci	Chief Scientist
Jim Ryder	USA	WHOI	Operations Lead
John Kemp	USA	WHOI	Operations Lead
Carmen Greto	USA	UNOLS	Deck Ops
Eric Hutt	USA	UNOLS	Deck Ops
Nico Llanos	USA	WHOI	Deck Ops
James Kuo	USA	WHOI	Subsurface Mooring Lead
Jennifer Batryn	USA	WHOI	Instrumentation, Mooring Assist.
David Wellwood	USA	WHOI	Hydrographic Sampling
Rebecca Travis	USA	WHOI	Documentation Lead
Eric Benway	USA	WHOI	Documentation
Lauren Kowalski	USA	UNOLS MATE	Documentation
McKee, Joy, Arbige	USA	UCONN	ROV Ops Team
Elizabeth Crockford	USA	WHOI	Guest
Gordon Zhang	USA	WHOI	Guest
Timothy Duda	USA	WHOI	Guest



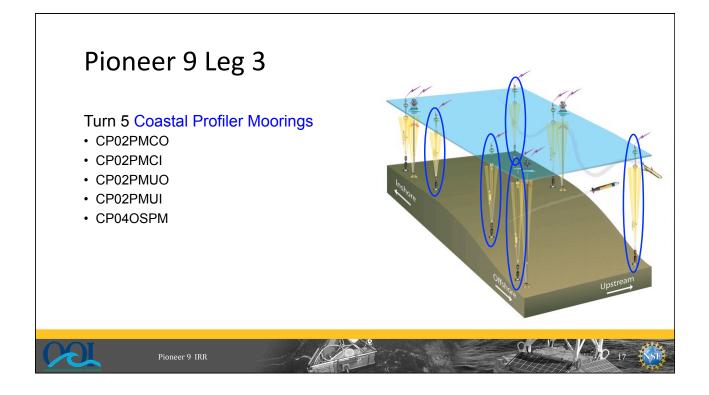


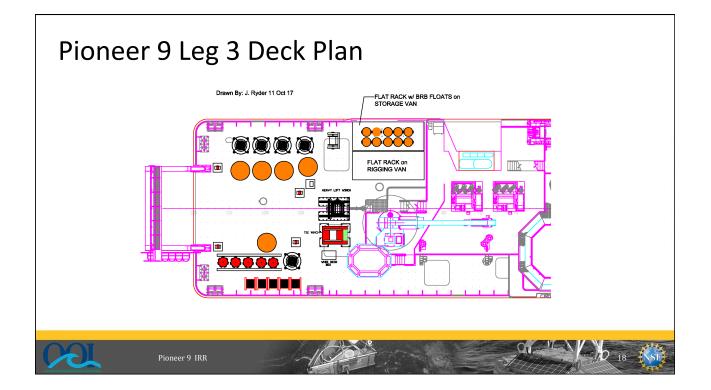


#### Pioneer 9 Leg 2 Cruise Schedule 31 October 27 October Deploy CP03ISSM-00007 • In-port WHOI, loading for Leg 2 • CTD cast 28 October Recover CP03ISSM-00006 Complete loading, depart WHOI Recover FZ glider · LTER CTDs during transit 1 November • Turn EB Glider Recover CP04OSSM-00006 • 29 October Recover CP01CNSM-00007 Deploy CP04OSSM-00007 AUV Test Mission • CTD cast 2 November • Deploy FZ Gliders (FZ-1, FZ-2) Start dual AUV survey CTD cast Cross-shelf CTD survey 30 October 3 November Deploy CP01CNSM-00008 · Complete dual AUV survey CTD cast 4 November • Deploy Shelf Gliders (SS-1, SS-2) Arrive WHOI (11:00) · CTD cast Offload CSMs, load CPMs for Leg 3 • Pioneer 9 IRR

Name	Nationality	Affiliation	Key Roles
Al Plueddemann	USA	WHOI/Chief Sci	Chief Scientist
Alison MacDonald	USA	WHOI	Co-Chief Scientist
John Kemp	USA	WHOI	Operations Lead
Greto, Hutt	USA	UNOLS	Deck Ops
Chris Basque	USA	WHOI	Deck Ops
Jennifer Batryn	USA	WHOI	Instrumentation Lead
Neil McPhee	USA	WHOI	Instrumentation
Alex Franks	USA	WHOI	Surface Mooring Lead
Matt Palanza	USA	WHOI	Surface Mooring trainer
John Reine, Matt Latvis	USA	WHOI	Surface Mooring trainees
Jared Schwartz	USA	WHOI	AUVs
Diana Wickman	USA	WHOI	Gliders
Collin Dobson	USA	WHOI	Gliders
David Wellwood	USA	WHOI	Hydrographic Sampling
Rebecca Travis	USA	WHOI	Documentation Lead
Lauren Kowalski	USA	UNOLS MATE	Documentation
Kristen Hunter-Cevera	USA	WHOI	Guest

JQ.





# Pioneer 9 Leg 3 Cruise Schedule

#### 5 November

- Complete loading
- Depart WHOI (10:30 or 15:30)
- LTER CTDs during transit
- 6 November
  - Recover CP04OSPM-00007
  - Deploy CP04OSPM-00008
  - CTD casts (Wang samples)
- 7 November
  - Recover CP02PMUO-00009
  - Deploy CP02PMUO-00010
  - CTD casts (Wang samples)

#### 8 November

- Recover CP02PMCO-00008
- Deploy CP02PMCO-00009
- CTD casts (Wang samples)

#### 9 November

- Recover CP02PMCI-00008
- Deploy CP02PMCI-00009
- CTD casts (Wang samples)

#### 10 November

- Recover CP02PMUI-00009
- Deploy CP02PMUI-00010
- CTD casts

11 November

- Cross-shelf CTD survey
- · Complete primary objectives as needed

#### 12 November

Arrive WHOI (10:00), offload

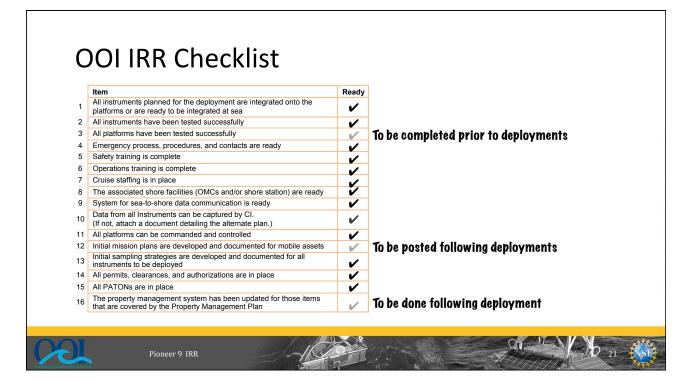


## Pioneer 9 Leg 3 Science Party

Name	Nationality	Affiliation	Key Roles
Al Plueddemann	USA	WHOI/Chief Sci	Chief Scientist
John Kemp	USA	WHOI	Operations Lead
Carmen Greto	USA	UNOLS	Deck Ops
Eric Hutt	USA	UNOLS	Deck Ops
Chris Ross	USA	WHOI	Deck Ops
John Lund	USA	WHOI	Subsurface Mooring Lead
Allen Smith	USA	WHOI	Instrumentation Lead
David Wellwood	USA	WHOI	Hydrographic Sampling
Rebecca Travis	USA	WHOI	Documentation Lead
Lauren Kowalski	USA	UNOLS MATE	Documentation
Mallory Ringham	USA	WHOI	Guest
Sarah Fuller	USA	WHOI	Guest



Pioneer 9 IRR



# **OOI IRR Checklist**

### **OL IRR Checklist Item**

- *#1 All instruments planned for the deployment are integrated onto the platforms or are ready to be integrated at sea*
- #3 All platforms have been tested successfully
- #11 All platforms can be commanded and controlled

#### **CGSN Evidence**

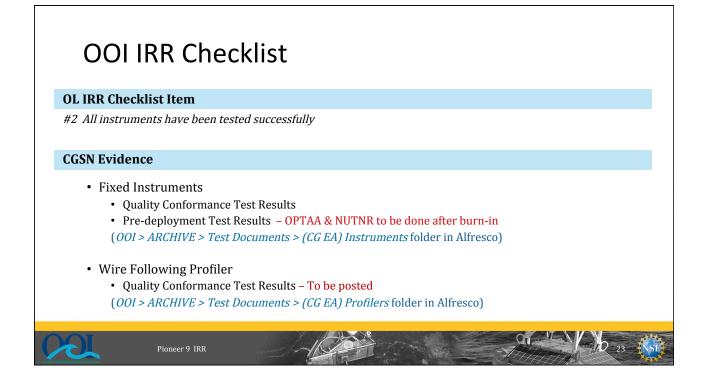
- Moorings
  - · Initial checklists for mooring integration

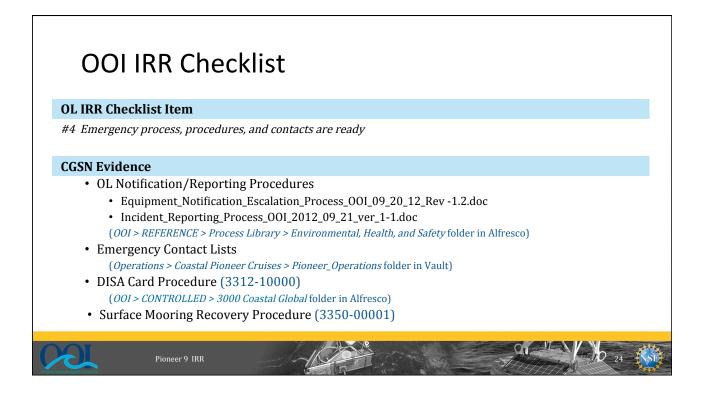
(*Operations > Coastal Pioneer Cruises > Pioneer 9 Deployment* Mooring folders in Vault; and to (*CG EA*) Moorings in Alfresco)

- Coastal Gliders
  - Functional Checkout Test Results

Pioneer 9 IRR

(To be completed and posted to Vault and OOI > ARCHIVE > Test Documents > (CG EA) Gliders folder in Alfresco)





# **OOI IRR Checklist**

#### **OL IRR Checklist Item**

#5 Safety Training is complete

#6 Operations training is complete

### **CGSN Evidence**

- Cruise participants up-to-date on WHOI EH&S training (Project\_Files > Operations > 04-Deployments > Deployments Notebook > Cruise Staffing in Vault)
- UNOLS safety procedures, hydrogen safety procedures will be covered on the cruise (Initial safety meeting, Research Vessel Safety Standards and RVOC Safety Training manual available on-board and on-line)
- Glider piloting training (at TWR) complete
   (Project\_Files > Documentation > Program > Program Notebook > Training > CGSN\_Training\_Record.xls in Vault)
- AUV piloting training (at Hydroid and with OSL) complete



Pioneer 9 IRR

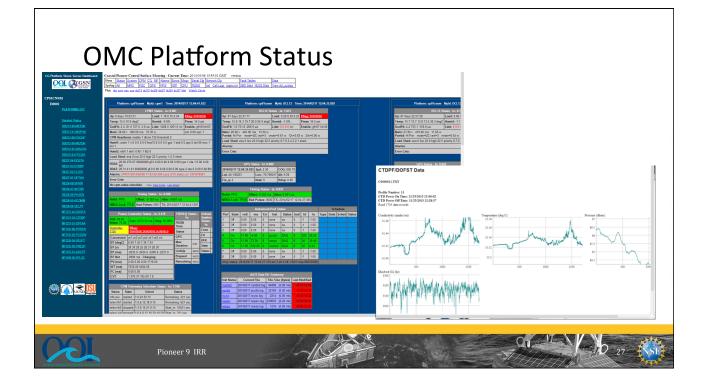
### **OL IRR Checklist Item**

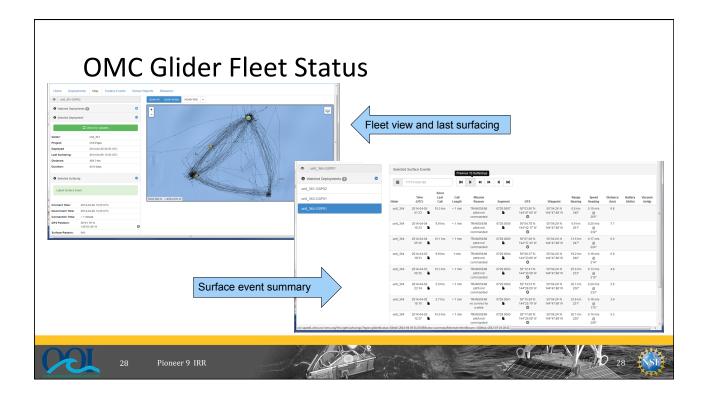
- #8 The associated shore facilities (OMCs and/or shore station) are ready
- #9 System for sea-to-shore data communication is ready
- #10 Data from all Instruments can be captured by CI

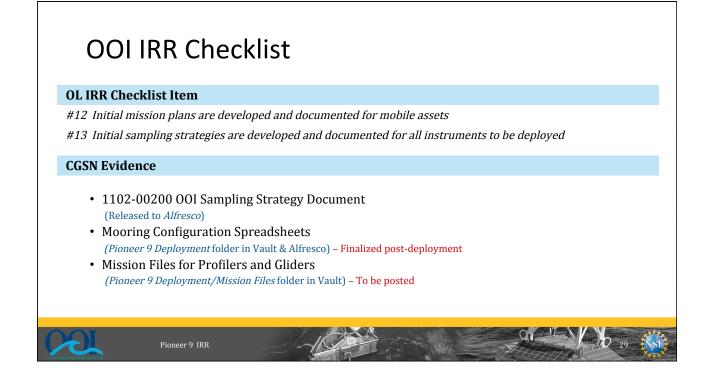
### **CGSN Evidence**

- OMC is online and functional and receiving data from deployed platforms at Pioneer and all Global Arrays
- Burn-in data is being recieved by the OMC
- All data is on the Data Server and accessible by CI









# **OOI IRR Checklist**

### **OL IRR Checklist Item**

- *#7 Cruise staffing is in place*
- #14 All permits, clearances, and authorizations are in place
- #15 All PATONs are in place

### **CGSN Evidence**

- Cruise Plan indicates cruise participants (3204-00801 Coastal Pioneer 9 Deployment Cruise Plan in Vault; will be released to Alfresco prior to ship departure)
- Permits and PATON in place (UACE Permit NAE-2010-1283; Program Notebook > Field Ops > Pioneer Permit folder in Vault) (PATON - <u>http://www.usharbormaster.com</u>)
- Navy Fleet Surface and Subsurface checked
- USCG notified
- Boatracs notified (fishing fleet)

Pioneer 9 IRR

