

OOI Science Requires Resolution of High Frequency Forcing (minutes-hours)  
 In Distant and/or Extreme Environments for Sustained Periods (years-decades)



### Four Global high latitude sites

- Station Papa
- Irminger Sea
- Argentine Basin
- Southern Ocean

### Two Coastal Arrays

- Endurance Array
- Pioneer Array

### Cabled Array

- Meso-scale,
- Plate Scale network

The locations and type of infrastructure drive engineering design, deployment, and maintenance profiles

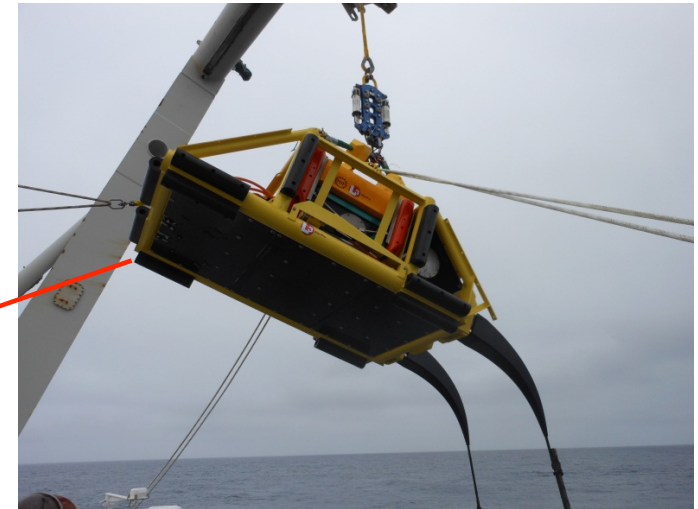
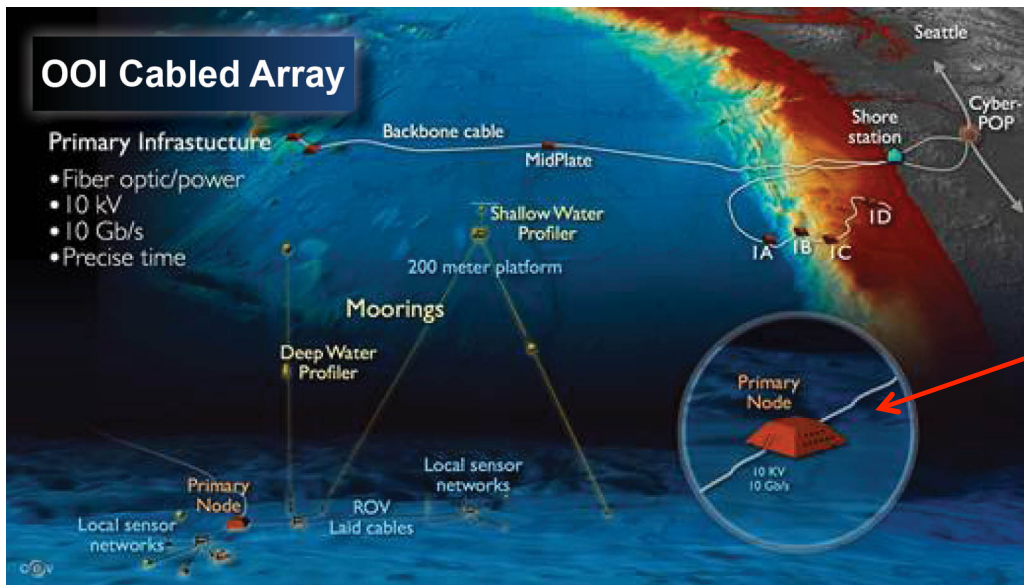
OOI Installation Schedule		2011		2012				2013				2014				2015	
		Q3 J A S	Q4 O N D	Q1 J F M	Q2 A M J	Q3 J A S	Q4 O N D	Q1 J F M	Q2 A M J	Q3 J A S	Q4 O N D	Q1 J F M	Q2 A M J	Q3 J A S	Q4 O N D	Q1 J F M	Q2 A M J
Cyberinfrastructure			R1					R2				R3			R4		
Education						R2				R3		C		R4		C	
Global Arrays	Argentine Basin															I G C	
	Irminger Sea											I G				C	
	Southern Ocean 55 S															I G C	
	Station Papa								I G			C					
Coastal Arrays	Endurance							**	Phase I G I		Phase II C I		Phase III C I			C	
	Pioneer								G I		C A I		C I			C	
Regional Arrays			I Submarine Cable Installed			I Primary Nodes			I G Seafloor Sensors		C Moorings & Sensors		I G		C		

**Legend**  
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-  Software Release #
-  Data Flow
-  Installation
-  Commissioning
-  Gliders Deployed
-  AUVs Deployed

\*\* = may be deferred to 2014 for more efficient transition to operations

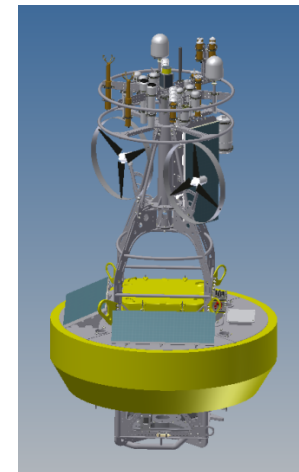
# OOI Accomplishments – Calendar Year 2012



8/18/2012 – 7 Nodes installed onto cable



Instrumented Coastal Gliders – tested & delivered



37 moorings designed, 1 remaining, large procurement effort underway for 2013



# OOI COL Workshops & Communications

- COL Plan - conduct Webinars for each Array in the pre & post deployment phases
  - Goals:
    - Communicate sampling rate strategies
    - Power Budget Utilization
    - Governance & Logistics – this will be covered at post- deployment webinar
- First Pre-deployment Webinar is scheduled to discuss July 2013 Station Papa deployment – March 2013.
- Cabled Array and Pioneer Array will conduct webinars in Summer/Fall 2013.
- Irminger Sea Logistics Meeting – Southampton, UK, March, 25 2013
- See [www.oceanobservatories.org](http://www.oceanobservatories.org) for date announcement and to sign up for information

# NSF Workshops & Communication

- NSF – User Workshops will be conducted by the Ocean Observatory Science Committee (UNOLs Committee) in Winter 2014 . First workshop will focus on Regional Science (Papa, Cabled Array and Endurance)
- NSF Science Workshops – contact your Program Officer at NSF to discuss ideas and implementation
- Proposal Process will be the same as other NSF observatories. Proposals enter the core programs and utilize costs and information from observatory websites.
- All governance & operations procedures are currently in development and will undergo external review in late 2013