



OCEAN OBSERVATORIES INITIATIVE

INTEGRATED MASTER SCHEDULE

November 2007
DRAFT v1.0

Consortium for Ocean Leadership
1201 New York Avenue NW, Fourth Floor, Washington, D.C. 20005
www.joiscience.org

OOI Integrated Master Schedule

ID	WBS	Task Name	Start	Finish	2008				2009				2010				2011				2012				2013							
					Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4			
1	1	OOI Master Schedule	Tue 7/1/08	Mon 7/1/13																												
2	1.1	OOI Integration	Tue 7/1/08	Fri 6/28/13																												
1	1	OOI	Tue 7/1/08	Fri 6/28/13																												
2	1.1	System Integration	Tue 7/1/08	Fri 6/28/13																												
3	1.1.1	Project Management	Tue 7/1/08	Fri 6/28/13																												
4	1.1.1.1	2008 Support	Tue 7/1/08	Wed 12/31/08																												
5	1.1.1.1.1	Project management and controls	Tue 7/1/08	Wed 12/31/08																												
6	1.1.1.1.1.1	Program Executive Staff	Tue 7/1/08	Wed 12/31/08																												
7	1.1.1.1.1.2	Project Management COTRs	Tue 7/1/08	Wed 12/31/08																												
8	1.1.1.1.1.3	Program Planning and Controls	Tue 7/1/08	Wed 12/31/08																												
9	1.1.1.1.2	Science Outreach and Education	Tue 7/1/08	Wed 12/31/08																												
10	1.1.1.1.2.1	Principal Investigator Activities	Tue 7/1/08	Wed 12/31/08																												
11	1.1.1.1.2.2	Science Staff	Tue 7/1/08	Wed 12/31/08																												
12	1.1.1.1.2.3	Science Advisor	Tue 7/1/08	Wed 12/31/08																												
13	1.1.1.1.3	Quality_ Health_ and Safety	Tue 7/1/08	Wed 12/31/08																												
14	1.1.1.2	2009 Support	Thu 1/1/09	Thu 12/31/09																												
15	1.1.1.2.1	Project management and controls	Thu 1/1/09	Thu 12/31/09																												

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ID	WBS	Task Name	Start	Finish	2008				2009				2010				2011				2012				2013			
					Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
16	1.1.1.2.2	Science Outreach and Education	Thu 1/1/09	Thu 12/31/09					█	█	█	█																
17	1.1.1.2.3	Quality_ Health_ and Safety	Thu 1/1/09	Thu 12/31/09					█	█	█	█																
18	1.1.1.3	2010 Support	Fri 1/1/10	Fri 12/31/10									█	█	█	█												
19	1.1.1.3.1	Project management and controls	Fri 1/1/10	Fri 12/31/10									█	█	█	█												
20	1.1.1.3.2	Science Outreach and Education	Fri 1/1/10	Fri 12/31/10									█	█	█	█												
21	1.1.1.3.3	Quality_ Health_ and Safety	Fri 1/1/10	Fri 12/31/10									█	█	█	█												
22	1.1.1.4	2011 Support	Mon 1/3/11	Fri 12/30/11													█	█	█	█								
23	1.1.1.4.1	Project management and controls	Mon 1/3/11	Fri 12/30/11													█	█	█	█								
24	1.1.1.4.2	Science Outreach and Education	Mon 1/3/11	Fri 12/30/11													█	█	█	█								
25	1.1.1.4.3	Quality_ Health_ and Safety	Mon 1/3/11	Fri 12/30/11													█	█	█	█								
26	1.1.1.5	2012 Support	Mon 1/2/12	Mon 12/31/12																	█	█	█	█				
27	1.1.1.5.1	Project management and controls	Mon 1/2/12	Mon 12/31/12																	█	█	█	█				
28	1.1.1.5.2	Science Outreach and Education	Mon 1/2/12	Mon 12/31/12																	█	█	█	█				
29	1.1.1.5.3	Quality_ Health_ and Safety	Mon 1/2/12	Mon 12/31/12																	█	█	█	█				
30	1.1.1.6	2013 Support	Tue 1/1/13	Fri 6/28/13																					█	█	█	█
31	1.1.1.6.1	Project management and controls	Tue 1/1/13	Fri 6/28/13																					█	█	█	█
32	1.1.1.6.2	Science Outreach and Education	Tue 1/1/13	Fri 6/28/13																					█	█	█	█

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					Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4								
33	1.1.1.6.3	Quality_ Health_ and Safety	Tue 1/1/13	Fri 6/28/13																																	
34	1.1.2	System Engineering	Tue 7/1/08	Fri 6/28/13																																	
35	1.1.2.1	2008 SE Support	Tue 7/1/08	Wed 12/31/08																																	
36	1.1.2.1.1	Systems Engineering Oversight / Support	Tue 7/1/08	Wed 12/31/08																																	
37	1.1.2.1.1.1	Systems Engineering Management	Tue 7/1/08	Wed 12/31/08																																	
38	1.1.2.1.1.2	Design Engineering Activities	Tue 7/1/08	Wed 12/31/08																																	
39	1.1.2.1.1.3	COTR Interface and Management	Tue 7/1/08	Wed 12/31/08																																	
40	1.1.2.1.2	Requirements Management	Tue 7/1/08	Wed 12/31/08																																	
41	1.1.2.1.3	Systems Integration	Tue 7/1/08	Wed 12/31/08																																	
42	1.1.2.1.4	Technical Change Control Process	Tue 7/1/08	Wed 12/31/08																																	
43	1.1.2.1.5	Systems Integration Test and Evaluation	Tue 7/1/08	Wed 12/31/08																																	
44	1.1.2.2	2009 SE Support	Thu 1/1/09	Thu 12/31/09																																	
45	1.1.2.2.1	Systems Engineering Oversight / Support	Thu 1/1/09	Thu 12/31/09																																	
46	1.1.2.2.2	Requirements Management	Thu 1/1/09	Thu 12/31/09																																	
47	1.1.2.2.3	Systems Integration	Thu 1/1/09	Thu 12/31/09																																	
48	1.1.2.2.4	Technical Change Control Process	Thu 1/1/09	Thu 12/31/09																																	
49	1.1.2.2.5	Systems Integration Test and Evaluation	Thu 1/1/09	Thu 12/31/09																																	

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					Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
50	1.1.2.3	2010 SE Support	Fri 1/1/10	Fri 12/31/10									■	■	■	■	■	■	■	■								
51	1.1.2.3.1	Systems Engineering Oversight / Support	Fri 1/1/10	Fri 12/31/10									■	■	■	■	■	■	■	■								
52	1.1.2.3.2	Requirements Management	Fri 1/1/10	Fri 12/31/10									■	■	■	■	■	■	■	■								
53	1.1.2.3.3	Systems Integration	Fri 1/1/10	Fri 12/31/10									■	■	■	■	■	■	■	■								
54	1.1.2.3.4	Technical Change Control Process	Fri 1/1/10	Fri 12/31/10									■	■	■	■	■	■	■	■								
55	1.1.2.3.5	Systems Integration Test and Evaluation	Fri 1/1/10	Fri 12/31/10									■	■	■	■	■	■	■	■								
56	1.1.2.4	2011 SE Support	Mon 1/3/11	Fri 12/30/11													■	■	■	■	■	■	■	■				
57	1.1.2.4.1	Systems Engineering Oversight / Support	Mon 1/3/11	Fri 12/30/11													■	■	■	■	■	■	■	■				
58	1.1.2.4.2	Requirements Management	Mon 1/3/11	Fri 12/30/11													■	■	■	■	■	■	■	■				
59	1.1.2.4.3	Systems Integration	Mon 1/3/11	Fri 12/30/11													■	■	■	■	■	■	■	■				
60	1.1.2.4.4	Technical Change Control Process	Mon 1/3/11	Fri 12/30/11													■	■	■	■	■	■	■	■				
61	1.1.2.4.5	Systems Integration Test and Evaluation	Mon 1/3/11	Fri 12/30/11													■	■	■	■	■	■	■	■				
62	1.1.2.5	2012 SE Support	Mon 1/2/12	Mon 12/31/12																	■	■	■	■	■	■	■	■
63	1.1.2.5.1	Systems Engineering Oversight / Support	Mon 1/2/12	Mon 12/31/12																	■	■	■	■	■	■	■	■
64	1.1.2.5.2	Requirements Management	Mon 1/2/12	Mon 12/31/12																	■	■	■	■	■	■	■	■
65	1.1.2.5.3	Systems Integration	Mon 1/2/12	Mon 12/31/12																	■	■	■	■	■	■	■	■
66	1.1.2.5.4	Technical Change Control Process	Mon 1/2/12	Mon 12/31/12																	■	■	■	■	■	■	■	■

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					Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4			
84	1.1.4.1.3	Communication and Outreach	Tue 7/1/08	Wed 12/31/08																												
85	1.1.4.1.3.1	Education and Public Awareness Planning	Tue 7/1/08	Wed 12/31/08																												
86	1.1.4.2	2009 Education and Public Awareness	Thu 1/1/09	Thu 12/31/09																												
87	1.1.4.2.1	Community Interest and Information	Thu 1/1/09	Thu 12/31/09																												
88	1.1.4.2.2	Extramural Coordination and Liaison	Thu 1/1/09	Thu 12/31/09																												
89	1.1.4.2.3	Communication and Outreach	Thu 1/1/09	Thu 12/31/09																												
90	1.1.4.3	2010 Education and Public Awareness	Fri 1/1/10	Fri 12/31/10																												
91	1.1.4.3.1	Community Interest and Information	Fri 1/1/10	Fri 12/31/10																												
92	1.1.4.3.2	Extramural Coordination and Liaison	Fri 1/1/10	Fri 12/31/10																												
93	1.1.4.3.3	Communication and Outreach	Fri 1/1/10	Fri 12/31/10																												
94	1.1.4.4	2011 Education and Public Awareness	Mon 1/3/11	Fri 12/30/11																												
95	1.1.4.4.1	Community Interest and Information	Mon 1/3/11	Fri 12/30/11																												
96	1.1.4.4.2	Extramural Coordination and Liaison	Mon 1/3/11	Fri 12/30/11																												
97	1.1.4.4.3	Communication and Outreach	Mon 1/3/11	Fri 12/30/11																												
98	1.1.4.5	2012 Education and Public Awareness	Mon 1/2/12	Mon 12/31/12																												
99	1.1.4.5.1	Community Interest and Information	Mon 1/2/12	Mon 12/31/12																												
100	1.1.4.5.2	Extramural Coordination and Liaison	Mon 1/2/12	Mon 12/31/12																												

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118		Education Infrastructure Requirements Workshop	Mon 11/2/09	Mon 11/2/09											◆																	
119		Issue Infrastructure System Engineering Plan	Mon 5/3/10	Mon 5/3/10												◆																
120		Complete Design - Free Choice learning and post-secondary training	Mon 5/2/11	Mon 5/2/11													◆															
121		Beta Test - Free Choice learning and post-secondary training environments	Tue 5/1/12	Tue 5/1/12														◆														
122		Education Infrastructure Operational	Mon 6/3/13	Mon 6/3/13																									◆			
3	1.2	CI IMS	Tue 7/1/08	Fri 6/28/13																												
1	1	OOI	Tue 7/1/08	Fri 6/28/13																												
2	1.1	System Integration	Tue 7/1/08	Tue 7/1/08																												
3	1.2	Cyberinfrastructure	Tue 7/1/08	Fri 6/28/13																												
4	1.2.1	Project Management	Tue 7/1/08	Wed 6/5/13																												
5	1.2.1.1	Project Management	Tue 7/1/08	Wed 6/5/13																												
6	1.2.1.2	Business Operations	Tue 7/1/08	Wed 6/5/13																												
7	1.2.1.3	Risk and Opportunity Management	Tue 7/1/08	Wed 6/5/13																												
8	1.2.1.4	Communication & Outreach	Tue 7/1/08	Wed 6/5/13																												
9	1.2.2	System Engineering	Tue 7/1/08	Wed 6/5/13																												
10	1.2.2.1	System Engineering Management	Tue 7/1/08	Wed 6/5/13																												
11	1.2.2.2	Requirements Management	Tue 7/1/08	Wed 6/5/13																												

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					Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
12	1.2.2.3	Interoperability Management	Tue 7/1/08	Wed 6/5/13																												
13	1.2.2.4	System Design	Tue 7/1/08	Wed 6/5/13																												
14	1.2.2.5	Change Control Management	Tue 7/1/08	Wed 6/5/13																												
15	1.2.2.6	Integrated Logistics Support	Tue 7/1/08	Wed 6/5/13																												
16	1.2.2.7	Community Involvement & Support	Tue 7/1/08	Wed 6/5/13																												
17	1.2.3	System Development	Tue 7/1/08	Fri 6/28/13																												
18	1.2.3.1	Sensing and Acquisition	Tue 7/1/08	Wed 6/5/13																												
19	1.2.3.1.1	Marine Facility Services	Wed 7/1/09	Sun 10/24/10																												
20	1.2.3.1.2	Instrument Direct Access	Tue 7/1/08	Sat 10/24/09																												
21	1.2.3.1.3	Instrument Management Services	Tue 7/1/08	Sat 10/24/09																												
22	1.2.3.1.4	Instrument and Data Process Repository	Tue 7/1/08	Sat 10/24/09																												
23	1.2.3.1.5	Instrument Activation Services	Wed 7/1/09	Sun 10/24/10																												
24	1.2.3.1.6	Data Acquisition Services	Tue 7/1/08	Sat 10/24/09																												
25	1.2.3.1.7	Data Processing Services	Wed 7/1/09	Sun 10/24/10																												
26	1.2.3.1.8	Data Calibration & Validation Services	Thu 7/1/10	Mon 10/24/11																												
27	1.2.3.1.9	Marine Resource Scheduling Services	Thu 7/1/10	Mon 10/24/11																												
28	1.2.3.1.10	Data Product Catalog & Repository Services	Wed 7/1/09	Sun 10/24/10																												

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					Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
46	1.2.3.3.5	Planning Services	Fri 7/1/11	Tue 10/23/12																								
47	1.2.3.3.6	Mission Coordination Services	Mon 7/2/12	Thu 6/27/13																								
48	1.2.3.3.7	Mission Simulator	Mon 7/2/12	Thu 6/27/13																								
49	1.2.3.3.8	Spiral Development System Reviews	Tue 7/1/08	Wed 6/5/13																								
50	1.2.3.4	Data Management	Tue 7/1/08	Wed 6/5/13																								
51	1.2.3.4.1	OOI Common Data & Metadata Model	Tue 7/1/08	Tue 10/19/10																								
52	1.2.3.4.2	Dynamic Data Distribution Services	Tue 7/1/08	Sat 10/24/09																								
53	1.2.3.4.3	Data Catalog & Repository Services	Tue 7/1/08	Sat 10/24/09																								
54	1.2.3.4.4	Persistent Archive Services	Tue 7/1/08	Sat 10/24/09																								
55	1.2.3.4.5	Search & Navigation Services	Wed 7/1/09	Sun 10/24/10																								
56	1.2.3.4.6	External Data Access Services	Wed 7/1/09	Sun 10/24/10																								
57	1.2.3.4.7	Aggregation Service	Thu 7/1/10	Mon 10/24/11																								
58	1.2.3.4.8	Attribution & Association Services	Thu 7/1/10	Mon 10/24/11																								
59	1.2.3.4.9	Spiral Development System Reviews	Tue 7/1/08	Wed 6/5/13																								
60	1.2.3.5	Common Operating Infrastructure	Tue 7/1/08	Wed 6/5/13																								
61	1.2.3.5.1	Fedrated Facility (Virtual Organization) Services	Tue 7/1/08	Tue 10/19/10																								
62	1.2.3.5.2	Enterprise Service Bus & Container	Wed 7/1/09	Wed 10/19/11																								

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63	1.2.3.5.2.1	Presentation Framework	Wed 7/1/09	Wed 10/19/11																												
64	1.2.3.5.2.2	Governance Framework	Wed 7/1/09	Wed 10/19/11																												
65	1.2.3.5.2.3	Service Framework	Wed 7/1/09	Wed 10/19/11																												
66	1.2.3.5.2.4	Resource Framework	Wed 7/1/09	Wed 10/19/11																												
67	1.2.3.5.2.5	Distributed State Management	Wed 7/1/09	Wed 10/19/11																												
68	1.2.3.5.2.6	Communication Infrastructure	Wed 7/1/09	Wed 10/19/11																												
69	1.2.3.5.3	Identity & Policy Management Services	Tue 7/1/08	Sat 10/24/09																												
70	1.2.3.5.4	Resource Catalog & Repository Services	Tue 7/1/08	Sat 10/24/09																												
71	1.2.3.5.5	Resource Lifecycle Services	Wed 7/1/09	Sun 10/24/10																												
72	1.2.3.5.6	Resource Activation Services	Wed 7/1/09	Sun 10/24/10																												
73	1.2.3.5.7	Resource Collaboration Services	Tue 7/1/08	Sat 10/24/09																												
74	1.2.3.5.8	Spiral Development System Reviews	Tue 7/1/08	Wed 6/5/13																												
75	1.2.3.6	Common Execution Infrastructure	Tue 7/1/08	Wed 6/5/13																												
76	1.2.3.6.1	Elastic Computing Services	Wed 7/1/09	Sun 10/24/10																												
77	1.2.3.6.2	Execution Engine Catalog & Repository Services	Wed 7/1/09	Sun 10/24/10																												
78	1.2.3.6.3	Resource Management Services	Wed 7/1/09	Sun 10/24/10																												
79	1.2.3.6.4	Process Management Services	Thu 7/1/10	Mon 10/24/11																												

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					Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4						
80	1.2.3.6.5	Process Catalog & Repository Services	Thu 7/1/10	Mon 10/24/11																															
81	1.2.3.6.6	Integration w/ National Computing Infrastructure	Thu 7/1/10	Mon 10/24/11																															
82	1.2.3.6.7	Spiral Development System Reviews	Tue 7/1/08	Wed 6/5/13																															
83	1.2.3.7	System Integration, Test, and Validation	Tue 7/1/08	Wed 6/5/13																															
84	1.2.3.7.1	IT&V Management	Tue 7/1/08	Wed 6/5/13																															
85	1.2.3.7.2	System Integration	Tue 7/1/08	Wed 6/5/13																															
86	1.2.3.7.3	System Test & Validation	Tue 7/1/08	Wed 6/5/13																															
87	1.2.3.7.4	Spiral Development System Reviews	Tue 7/1/08	Wed 6/5/13																															
88	1.2.4	Hardware Development	Tue 7/1/08	Tue 7/1/08																															
89	1.2.5	Implementation	Tue 7/1/08	Thu 6/27/13																															
90	1.2.5.1	Marine Observatory Node Activation	Wed 7/1/09	Wed 7/25/12																															
91	1.2.5.1.1	Integration of Core Instrumention	Wed 7/1/09	Fri 6/15/12																															
92	1.2.5.1.2	Mid Atlantic Bight - Pioneer Array	Thu 7/1/10	Tue 12/28/10																															
93	1.2.5.1.3	Pacific Northwest - Endurance Array	Fri 7/1/11	Wed 12/28/11																															
94	1.2.5.1.4	Station Papa - Discus Buoy	Thu 7/1/10	Wed 9/29/10																															
95	1.2.5.1.5	Southern Ocean 55 S - Discus Buoy	Thu 1/27/11	Wed 4/27/11																															
96	1.2.5.1.6	Irminger Sea - Discus Buoy	Wed 4/27/11	Tue 7/26/11																															

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114	1.2.5.3	External Observatory Interfaces	Tue 7/1/08	Fri 6/15/12																												
115	1.2.5.3.1	Neptune Canada	Tue 7/1/08	Mon 6/21/10																												
116	1.2.5.3.2	IOOS	Wed 7/1/09	Fri 6/15/12																												
117	1.2.5.3.3	WMO/IOC formats and standards	Thu 7/1/10	Sun 6/26/11																												
118	2	Cyberinfrastructure Project Milestones	Tue 7/1/08	Mon 7/2/12																												
119	2.1	Release 1 start	Tue 7/1/08	Tue 7/1/08																												
120	2.2	Release 2 start	Wed 7/1/09	Wed 7/1/09																												
121	2.3	Release 3 start	Thu 7/1/10	Thu 7/1/10																												
122	2.4	Release 4 start	Fri 7/1/11	Fri 7/1/11																												
123	2.5	Release 5 start	Mon 7/2/12	Mon 7/2/12																												
4	1.3	CG IMS	Tue 7/1/08	Mon 7/1/13																												
1	1	OOI	Tue 7/1/08	Fri 6/28/13																												
2	1.1	System Integration	Tue 7/1/08	Tue 7/1/08																												
3	1.2	Cyberinfrastructure	Tue 7/1/08	Tue 7/1/08																												
4	1.3	Coastal / Global Observatory	Tue 7/1/08	Fri 6/28/13																												
5	1.3.1	Project Management	Tue 7/1/08	Fri 6/28/13																												
6	1.3.1.1	2008 Support	Tue 7/1/08	Wed 12/31/08																												

OOI Integrated Master Schedule

ID	WBS	Task Name	Start	Finish	2008				2009				2010				2011				2012				2013			
					Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
7	1.3.1.1.1	PM and Controls	Tue 7/1/08	Wed 12/31/08																								
8	1.3.1.1.2	Science Outreach and Education	Tue 7/1/08	Wed 12/31/08																								
9	1.3.1.2	2009 Support	Thu 1/1/09	Thu 12/31/09																								
10	1.3.1.2.1	PM and Controls	Thu 1/1/09	Thu 12/31/09																								
11	1.3.1.2.2	Science Outreach and Education	Thu 1/1/09	Thu 12/31/09																								
12	1.3.1.3	2010 Support	Fri 1/1/10	Fri 12/31/10																								
13	1.3.1.3.1	PM and Controls	Fri 1/1/10	Fri 12/31/10																								
14	1.3.1.3.2	Science Outreach and Education	Fri 1/1/10	Fri 12/31/10																								
15	1.3.1.4	2011 Support	Mon 1/3/11	Fri 12/30/11																								
16	1.3.1.4.1	PM and Controls	Mon 1/3/11	Fri 12/30/11																								
17	1.3.1.4.2	Science Outreach and Education	Mon 1/3/11	Fri 12/30/11																								
18	1.3.1.5	2012 Support	Mon 1/2/12	Mon 12/31/12																								
19	1.3.1.5.1	PM and Controls	Mon 1/2/12	Mon 12/31/12																								
20	1.3.1.5.2	Science Outreach and Education	Mon 1/2/12	Mon 12/31/12																								
21	1.3.1.6	2013 Support	Tue 1/1/13	Fri 6/28/13																								
22	1.3.1.6.1	PM and Controls	Tue 1/1/13	Fri 6/28/13																								
23	1.3.1.6.2	Science Outreach and Education	Tue 1/1/13	Fri 6/28/13																								

OOI Integrated Master Schedule

ID	WBS	Task Name	Start	Finish	2008				2009				2010				2011				2012				2013							
					Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
24	1.3.1.7	Environmental Compliance and Permitting	Tue 7/1/08	Fri 6/28/13	[Gantt bar spanning from Tue 7/1/08 to Fri 6/28/13]																											
25	1.3.1.7.1	2008 Support	Tue 7/1/08	Wed 12/31/08	[Gantt bar spanning from Tue 7/1/08 to Wed 12/31/08]																											
26	1.3.1.7.1.1	Environmental Compliance and Permitting Support	Tue 7/1/08	Wed 12/31/08	[Task bar spanning from Tue 7/1/08 to Wed 12/31/08]																											
27	1.3.1.7.2	2009 Support	Thu 1/1/09	Thu 12/31/09	[Gantt bar spanning from Thu 1/1/09 to Thu 12/31/09]																											
28	1.3.1.7.2.1	Environmental Compliance and Permitting Support	Thu 1/1/09	Thu 12/31/09	[Task bar spanning from Thu 1/1/09 to Thu 12/31/09]																											
29	1.3.1.7.3	2010 Support	Fri 1/1/10	Fri 12/31/10	[Gantt bar spanning from Fri 1/1/10 to Fri 12/31/10]																											
30	1.3.1.7.3.1	Environmental Compliance and Permitting Support	Fri 1/1/10	Fri 12/31/10	[Task bar spanning from Fri 1/1/10 to Fri 12/31/10]																											
31	1.3.1.7.4	2011 Support	Mon 1/3/11	Fri 12/30/11	[Gantt bar spanning from Mon 1/3/11 to Fri 12/30/11]																											
32	1.3.1.7.4.1	Environmental Compliance and Permitting Support	Mon 1/3/11	Fri 12/30/11	[Task bar spanning from Mon 1/3/11 to Fri 12/30/11]																											
33	1.3.1.7.5	2012 Support	Mon 1/2/12	Mon 12/31/12	[Gantt bar spanning from Mon 1/2/12 to Mon 12/31/12]																											
34	1.3.1.7.5.1	Environmental Compliance and Permitting Support	Mon 1/2/12	Mon 12/31/12	[Task bar spanning from Mon 1/2/12 to Mon 12/31/12]																											
35	1.3.1.7.6	2013 Support	Tue 1/1/13	Fri 6/28/13	[Gantt bar spanning from Tue 1/1/13 to Fri 6/28/13]																											
36	1.3.1.7.6.1	Environmental Compliance and Permitting Support	Tue 1/1/13	Fri 6/28/13	[Task bar spanning from Tue 1/1/13 to Fri 6/28/13]																											
37	1.3.2	Systems Engineering	Tue 7/1/08	Fri 6/28/13	[Gantt bar spanning from Tue 7/1/08 to Fri 6/28/13]																											
38	1.3.2.1	2008 SE Support	Tue 7/1/08	Wed 12/31/08	[Gantt bar spanning from Tue 7/1/08 to Wed 12/31/08]																											
39	1.3.2.1.1	Requirements Management	Tue 7/1/08	Wed 12/31/08	[Task bar spanning from Tue 7/1/08 to Wed 12/31/08]																											
40	1.3.2.1.2	Detailed Performance Requirements	Tue 7/1/08	Wed 12/31/08	[Task bar spanning from Tue 7/1/08 to Wed 12/31/08]																											

OOI Integrated Master Schedule

ID	WBS	Task Name	Start	Finish	2008				2009				2010				2011				2012				2013						
					Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
41	1.3.2.1.3	Integration and Test Planning	Tue 7/1/08	Wed 12/31/08																											
42	1.3.2.1.4	Systems Engineering Oversight / Support	Tue 7/1/08	Wed 12/31/08																											
43	1.3.2.1.5	Engineering Information Management Methodology	Tue 7/1/08	Wed 12/31/08																											
44	1.3.2.1.6	Software Development Practices	Tue 7/1/08	Wed 12/31/08																											
45	1.3.2.1.7	Hardware Development Practices	Tue 7/1/08	Wed 12/31/08																											
46	1.3.2.1.8	Technical Change Control Process	Tue 7/1/08	Wed 12/31/08																											
47	1.3.2.2	2009 SE Support	Thu 1/1/09	Thu 12/31/09																											
48	1.3.2.2.1	Requirements Management	Thu 1/1/09	Thu 12/31/09																											
49	1.3.2.2.2	Detailed Performance Requirements	Thu 1/1/09	Thu 12/31/09																											
50	1.3.2.2.3	Integration and Test Planning	Thu 1/1/09	Thu 12/31/09																											
51	1.3.2.2.4	Systems Engineering Oversight / Support	Thu 1/1/09	Thu 12/31/09																											
52	1.3.2.2.5	Engineering Information Management Methodology	Thu 1/1/09	Thu 12/31/09																											
53	1.3.2.2.6	Software Development Practices	Thu 1/1/09	Thu 12/31/09																											
54	1.3.2.2.7	Hardware Development Practices	Thu 1/1/09	Thu 12/31/09																											
55	1.3.2.2.8	Technical Change Control Process	Thu 1/1/09	Thu 12/31/09																											
56	1.3.2.3	2010 SE Support	Fri 1/1/10	Fri 12/31/10																											
57	1.3.2.3.1	Requirements Management	Fri 1/1/10	Fri 12/31/10																											

OOI Integrated Master Schedule

ID	WBS	Task Name	Start	Finish	2008				2009				2010				2011				2012				2013			
					Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
58	1.3.2.3.2	Detailed Performance Requirements	Fri 1/1/10	Fri 12/31/10									■	■	■	■												
59	1.3.2.3.3	Integration and Test Planning	Fri 1/1/10	Fri 12/31/10									▼	■	■	■												
60	1.3.2.3.4	Systems Engineering Oversight / Support	Fri 1/1/10	Fri 12/31/10									▼	■	■	■												
61	1.3.2.3.5	Engineering Information Management Methodology	Fri 1/1/10	Fri 12/31/10									▼	■	■	■												
62	1.3.2.3.6	Software Development Practices	Fri 1/1/10	Fri 12/31/10									▼	■	■	■												
63	1.3.2.3.7	Hardware Development Practices	Fri 1/1/10	Fri 12/31/10									▼	■	■	■												
64	1.3.2.3.8	Technical Change Control Process	Fri 1/1/10	Fri 12/31/10									▼	■	■	■												
65	1.3.2.4	2011 SE Support	Mon 1/3/11	Fri 12/30/11													■	■	■	■								
66	1.3.2.4.1	Requirements Management	Mon 1/3/11	Fri 12/30/11									▼	■	■	■												
67	1.3.2.4.2	Detailed Performance Requirements	Mon 1/3/11	Fri 12/30/11									▼	■	■	■												
68	1.3.2.4.3	Integration and Test Planning	Mon 1/3/11	Fri 12/30/11									▼	■	■	■												
69	1.3.2.4.4	Systems Engineering Oversight / Support	Mon 1/3/11	Fri 12/30/11									▼	■	■	■												
70	1.3.2.4.5	Engineering Information Management Methodology	Mon 1/3/11	Fri 12/30/11									▼	■	■	■												
71	1.3.2.4.6	Software Development Practices	Mon 1/3/11	Fri 12/30/11									▼	■	■	■												
72	1.3.2.4.7	Hardware Development Practices	Mon 1/3/11	Fri 12/30/11									▼	■	■	■												
73	1.3.2.4.8	Technical Change Control Process	Mon 1/3/11	Fri 12/30/11									▼	■	■	■												
74	1.3.2.5	2012 SE Support	Mon 1/2/12	Mon 12/31/12																	■	■	■	■				

OOI Integrated Master Schedule

ID	WBS	Task Name	Start	Finish	2008				2009				2010				2011				2012				2013															
					Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4							
75	1.3.2.5.1	Requirements Management	Mon 1/2/12	Mon 12/31/12																																				
76	1.3.2.5.2	Detailed Performance Requirements	Mon 1/2/12	Mon 12/31/12																																				
77	1.3.2.5.3	Integration and Test Planning	Mon 1/2/12	Mon 12/31/12																																				
78	1.3.2.5.4	Systems Engineering Oversight / Support	Mon 1/2/12	Mon 12/31/12																																				
79	1.3.2.5.5	Engineering Information Management Methodology	Mon 1/2/12	Mon 12/31/12																																				
80	1.3.2.5.6	Software Development Practices	Mon 1/2/12	Mon 12/31/12																																				
81	1.3.2.5.7	Hardware Development Practices	Mon 1/2/12	Mon 12/31/12																																				
82	1.3.2.5.8	Technical Change Control Process	Mon 1/2/12	Mon 12/31/12																																				
83	1.3.2.6	2013 SE Support	Tue 1/1/13	Fri 6/28/13																																				
84	1.3.2.6.1	Requirements Management	Tue 1/1/13	Fri 6/28/13																																				
85	1.3.2.6.2	Detailed Performance Requirements	Tue 1/1/13	Fri 6/28/13																																				
86	1.3.2.6.3	Integration and Test Planning	Tue 1/1/13	Fri 6/28/13																																				
87	1.3.2.6.4	Systems Engineering Oversight / Support	Tue 1/1/13	Fri 6/28/13																																				
88	1.3.2.6.5	Engineering Information Management Methodology	Tue 1/1/13	Fri 6/28/13																																				
89	1.3.2.6.6	Software Development Practices	Tue 1/1/13	Fri 6/28/13																																				
90	1.3.2.6.7	Hardware Development Practices	Tue 1/1/13	Fri 6/28/13																																				
91	1.3.2.6.8	Technical Change Control Process	Tue 1/1/13	Fri 6/28/13																																				

OOI Integrated Master Schedule

ID	WBS	Task Name	Start	Finish	2008				2009				2010				2011				2012				2013							
					Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
92	1.3.3	Subsystem Development	Tue 7/1/08	Tue 4/5/11																												
93	1.3.3.1	Buoy Design	Wed 7/2/08	Tue 4/5/11																												
94	1.3.3.1.1	Electrical	Wed 7/2/08	Tue 4/5/11																												
95	1.3.3.1.1.1	Power System Design	Wed 7/2/08	Tue 4/5/11																												
96	1.3.3.1.1.2	Telemetry Design	Wed 7/2/08	Tue 6/2/09																												
97	1.3.3.1.1.3	Mooring System Controller	Wed 7/2/08	Tue 6/2/09																												
98	1.3.3.1.1.4	Data Concentrator & Logger (DCL)	Wed 7/2/08	Tue 6/2/09																												
99	1.3.3.1.1.5	EOM Design	Wed 7/2/08	Tue 6/2/09																												
100	1.3.3.1.2	Interface to CI	Wed 7/2/08	Tue 5/4/10																												
101	1.3.3.1.3	Mechanical Design	Wed 7/2/08	Tue 6/2/09																												
102	1.3.3.2	Mooring Component Design	Tue 7/1/08	Tue 7/1/08																												
103	1.3.3.3	Profiling Mooring Design	Wed 7/2/08	Tue 5/4/10																												
104	1.3.3.3.1	Global Hybrid Profiler Mooring	Wed 7/2/08	Tue 6/2/09																												
105	1.3.3.3.2	Coastal Profiler Mooring	Wed 3/11/09	Tue 8/25/09																												
106	1.3.3.3.3	Coastal Hybrid Profiler Mooring	Wed 7/2/08	Tue 5/4/10																												
107	1.3.3.3.4	Coastal Cabled Hybrid Profiler Mooring	Wed 7/2/08	Tue 5/4/10																												
108	1.3.3.4	Mesoscale Flanking Mooring Design	Wed 7/2/08	Tue 6/2/09																												

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ID	WBS	Task Name	Start	Finish	2008				2009				2010				2011				2012				2013							
					Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
109	1.3.3.5	Near Shore Mooring Design	Wed 7/2/08	Tue 5/4/10																												
110	1.3.3.6	Benthic Package Design	Tue 7/1/08	Tue 5/4/10																												
111	1.3.3.6.1	EDP Junction Box Design	Tue 7/1/08	Tue 7/1/08																												
112	1.3.3.6.2	MFN Design	Wed 12/17/08	Tue 11/17/09																												
113	1.3.3.6.3	Benthic Experiment Node Design	Wed 12/17/08	Tue 8/25/09																												
114	1.3.3.6.4	Cabled Benthic Experiment Node Design	Wed 12/17/08	Tue 8/25/09																												
115	1.3.3.6.5	Low Voltage Node Design	Wed 7/2/08	Tue 5/4/10																												
116	1.3.3.6.6	Medium Voltage Node Design	Wed 7/2/08	Tue 5/4/10																												
117	1.3.3.7	Vehicle Design	Wed 7/2/08	Tue 4/5/11																												
118	1.3.3.7.1	AUV	Wed 6/3/09	Tue 4/5/11																												
119	1.3.3.7.1.1	AUV Design	Wed 5/5/10	Tue 4/5/11																												
120	1.3.3.7.1.2	AUV Dock Design	Wed 6/3/09	Tue 4/5/11																												
121	1.3.3.7.2	Global Winched Profiler Design	Wed 7/2/08	Tue 6/2/09																												
122	1.3.3.7.3	Coastal Winched Profiler	Wed 7/2/08	Tue 5/4/10																												
123	1.3.3.7.3.1	Profiler Design	Wed 7/2/08	Tue 5/4/10																												
124	1.3.3.7.4	Glider Design	Wed 7/2/08	Tue 11/17/09																												
125	1.3.3.7.4.1	Extension of Endurance and Payload Capability	Wed 7/2/08	Tue 6/2/09																												

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ID	WBS	Task Name	Start	Finish	2008				2009				2010				2011				2012				2013					
					Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1
126	1.3.3.7.4.2	Biofouling Mitigation	Wed 7/2/08	Tue 11/17/09																										
127	1.3.3.8	Design Integration and Test	Wed 6/3/09	Tue 11/17/09																										
128	1.3.3.9	Shore Station Design	Wed 7/2/08	Tue 11/17/09																										
129	1.3.3.9.1	Cyber Infrastructure Incorporation Design	Wed 7/2/08	Tue 11/17/09																										
130	1.3.3.9.2	Operations Management System Design	Wed 7/2/08	Tue 11/17/09																										
131	1.3.3.9.3	Change Management System Design	Wed 7/2/08	Tue 11/17/09																										
132	1.3.3.9.4	Operations Management Centers Design	Wed 7/2/08	Tue 11/17/09																										
133	1.3.3.9.5	Data Acquisition Management Design	Wed 7/2/08	Tue 11/17/09																										
134	1.3.3.10	EDP Design	Tue 7/1/08	Tue 7/1/08																										
135	1.3.4	Implementation	Tue 7/1/08	Tue 3/5/13																										
136	1.3.4.1	Global Sites	Tue 7/1/08	Tue 3/5/13																										
137	1.3.4.1.1	Station Papa	Wed 7/2/08	Tue 9/20/11																										
138	1.3.4.1.1.1	Station Papa Site Survey	Wed 7/2/08	Tue 7/15/08																										
139	1.3.4.1.1.2	Station Papa Site Design	Wed 11/18/09	Tue 12/15/09																										
140	1.3.4.1.1.3	AL Discus Mooring Procure, Build, Inspect & Test	Tue 12/15/09	Tue 12/15/09																										
141	1.3.4.1.1.3.1	Electrical Build	Tue 12/15/09	Tue 12/15/09																										
142	1.3.4.1.1.3.2	Mechanical Build	Tue 12/15/09	Tue 12/15/09																										

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ID	WBS	Task Name	Start	Finish	2008				2009				2010				2011				2012				2013								
					Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	
143	1.3.4.1.1.3.3	Rigging Shop	Tue 12/15/09	Tue 12/15/09									◆																				
144	1.3.4.1.1.3.4	DCL Build	Tue 12/15/09	Tue 12/15/09									◆																				
145	1.3.4.1.1.3.5	Sensors	Tue 12/15/09	Tue 12/15/09									◆																				
146	1.3.4.1.1.4	Global Hybrid Profiler Mooring Procure, Build, Inspect & Test	Wed 12/16/09	Tue 11/16/10									▬																				
147	1.3.4.1.1.4.1	Procure, Build, Inspect & Test	Wed 12/16/09	Tue 7/27/10									▬																				
148	1.3.4.1.1.4.2	Sensors	Wed 7/28/10	Tue 11/16/10																													
149	1.3.4.1.1.5	Mesoscale Flanking Mooring Procure, Build, Inspect & Test	Wed 12/16/09	Tue 12/14/10									▬																				
150	1.3.4.1.1.5.1	Electrical Build	Wed 12/16/09	Tue 8/24/10									▬																				
151	1.3.4.1.1.5.2	Sensors	Wed 8/25/10	Tue 12/14/10																													
152	1.3.4.1.1.6	Glider Procure, Build, Inspect & Test	Tue 11/17/09	Tue 10/19/10									▬																				
153	1.3.4.1.1.6.1	Electrical Build	Tue 11/17/09	Tue 11/17/09									◆																				
154	1.3.4.1.1.6.2	Mechanical Build	Tue 11/17/09	Tue 11/17/09									◆																				
155	1.3.4.1.1.6.3	Sensors	Wed 11/18/09	Tue 10/19/10									▬																				
156	1.3.4.1.1.7	Pre-Installation Integration Test	Wed 12/15/10	Tue 5/31/11																													
157	1.3.4.1.1.8	Installation and Test	Wed 6/1/11	Tue 8/23/11																													
158	1.3.4.1.1.9	Commissioning & Acceptance	Wed 8/24/11	Tue 9/20/11																													
159	1.3.4.1.2	Southern Ocean 55 S	Wed 7/2/08	Tue 3/5/13									▬																				

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ID	WBS	Task Name	Start	Finish	2008				2009				2010				2011				2012				2013							
					Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4			
177	1.3.4.1.2.6.2	Mechanical Build	Tue 11/17/09	Tue 11/17/09																												
178	1.3.4.1.2.6.3	Sensors	Wed 11/18/09	Tue 10/19/10																												
179	1.3.4.1.2.7	Pre-Installation Integration and Test	Wed 5/30/12	Tue 11/13/12																												
180	1.3.4.1.2.8	Installation and Test	Wed 11/14/12	Tue 2/5/13																												
181	1.3.4.1.2.9	Commisioning	Wed 2/6/13	Tue 3/5/13																												
182	1.3.4.1.3	Iminger Sea	Wed 7/2/08	Tue 5/29/12	[Black bar representing duration from Q4 2008 to Q3 2012]																											
183	1.3.4.1.3.1	Site Survey	Wed 7/2/08	Tue 7/15/08																												
184	1.3.4.1.3.2	Site Design	Wed 11/18/09	Tue 1/12/10																												
185	1.3.4.1.3.3	AL Discus Node Procure, Build, Inspect & Test	Wed 1/13/10	Tue 5/31/11	[Black bar representing duration from Q1 2010 to Q1 2011]																											
186	1.3.4.1.3.3.1	Electrical Build	Wed 1/13/10	Tue 5/31/11																												
187	1.3.4.1.3.3.2	Mechanical Build	Wed 1/13/10	Tue 9/21/10																												
188	1.3.4.1.3.3.3	Rigging Shop	Wed 1/13/10	Tue 4/6/10																												
189	1.3.4.1.3.3.4	DCL Build	Wed 8/25/10	Tue 4/5/11																												
190	1.3.4.1.3.3.5	Sensors	Wed 1/13/10	Tue 8/24/10																												
191	1.3.4.1.3.4	Global Hybrid Profiler Mooring Procure, Build, Inspect & Test	Wed 11/17/10	Tue 8/23/11	[Black bar representing duration from Q4 2010 to Q2 2011]																											
192	1.3.4.1.3.4.1	Procure, Build, Inspect & Test	Wed 11/17/10	Tue 5/3/11																												
193	1.3.4.1.3.4.2	Sensors	Wed 5/4/11	Tue 8/23/11																												

OOI Integrated Master Schedule

ID	WBS	Task Name	Start	Finish	2008				2009				2010				2011				2012				2013							
					Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
194	1.3.4.1.3.5	Mesoscale Flanking Mooring Procure, Build, Inspect & Test	Wed 11/18/09	Tue 11/16/10																												
195	1.3.4.1.3.5.1	Procure, Build, Inspect & Test	Wed 11/18/09	Tue 7/27/10																												
196	1.3.4.1.3.5.2	Sensors	Wed 7/28/10	Tue 11/16/10																												
197	1.3.4.1.3.6	Glider Procure, Build, Inspect & Test	Tue 11/17/09	Tue 10/19/10																												
198	1.3.4.1.3.6.1	Electrical Build	Tue 11/17/09	Tue 11/17/09																												
199	1.3.4.1.3.6.2	Mechanical Build	Tue 11/17/09	Tue 11/17/09																												
200	1.3.4.1.3.6.3	Sensors	Wed 11/18/09	Tue 10/19/10																												
201	1.3.4.1.3.7	Pre-Installation Integration Test	Wed 8/24/11	Tue 2/7/12																												
202	1.3.4.1.3.8	Installation and Test	Wed 2/8/12	Tue 5/1/12																												
203	1.3.4.1.3.9	Commissioning & Acceptance	Wed 5/2/12	Tue 5/29/12																												
204	1.3.4.1.4	Mid Atlantic	Tue 7/1/08	Wed 5/5/10																												
205	1.3.4.1.4.1	Mid Atlantic Site Survey	Tue 7/1/08	Tue 7/1/08																												
206	1.3.4.1.4.2	Mid Atlantic Site Design	Wed 11/18/09	Wed 11/18/09																												
207	1.3.4.1.4.3	EDP Procure, Build, Inspect & Test	Wed 11/18/09	Wed 11/18/09																												
208	1.3.4.1.4.3.1	Build, Inspect, Manufacturing Test	Wed 11/18/09	Wed 11/18/09																												
209	1.3.4.1.4.3.2	Platform Hull Mods	Wed 11/18/09	Wed 11/18/09																												
210	1.3.4.1.4.3.3	Mooring	Wed 11/18/09	Wed 11/18/09																												

OOI Integrated Master Schedule

ID	WBS	Task Name	Start	Finish	2008				2009				2010				2011				2012				2013													
					Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3						
211	1.3.4.1.4.3.4	Power System	Wed 11/18/09	Wed 11/18/09									◆	◆																								
212	1.3.4.1.4.3.5	Satellite Communicaitons	Wed 11/18/09	Wed 11/18/09									◆	◆																								
213	1.3.4.1.4.3.6	Sensors	Wed 11/18/09	Wed 11/18/09									◆	◆																								
214	1.3.4.1.4.3.7	Build Labor	Wed 11/18/09	Wed 11/18/09									◆	◆																								
215	1.3.4.1.4.3.8	Test (FAT)	Wed 11/18/09	Wed 11/18/09									◆	◆																								
216	1.3.4.1.4.4	Global Profiler Mooring Procure, Build, Inspect & Test	Tue 7/1/08	Wed 11/18/09					◆	◆	◆	◆	◆	◆																								
217	1.3.4.1.4.4.1	Procure, Build, Inspect & Test	Wed 11/18/09	Wed 11/18/09									◆	◆																								
218	1.3.4.1.4.4.2	Sensors	Tue 7/1/08	Tue 7/1/08	◆																																	
219	1.3.4.1.4.5	Mesoscale Flanking Mooring Procure, Build, Inspect & Test	Tue 7/1/08	Wed 11/18/09					◆	◆	◆	◆	◆	◆																								
220	1.3.4.1.4.5.1	Procure, Build, Inspect & Test	Wed 11/18/09	Wed 11/18/09									◆	◆																								
221	1.3.4.1.4.5.2	Sensors	Tue 7/1/08	Tue 7/1/08	◆																																	
222	1.3.4.1.4.6	Glider Procure, Build, Inspect & Test	Wed 11/18/09	Wed 11/18/09									◆																									
223	1.3.4.1.4.6.1	Electrical Build	Wed 11/18/09	Wed 11/18/09									◆	◆																								
224	1.3.4.1.4.6.2	Mechanical Build	Wed 11/18/09	Wed 11/18/09									◆	◆																								
225	1.3.4.1.4.6.3	Sensors	Wed 11/18/09	Wed 11/18/09									◆	◆																								
226	1.3.4.1.4.7	Pre-Installation Integration Test	Wed 11/18/09	Wed 11/18/09									◆	◆																								
227	1.3.4.1.4.8	Installation and Test	Wed 5/5/10	Wed 5/5/10																																		

OOI Integrated Master Schedule

ID	WBS	Task Name	Start	Finish	2008	2009	2010	2011	2012	2013										
					Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4			
228	1.3.4.1.4.9	Commissioning & Acceptance	Wed 5/5/10	Wed 5/5/10																
229	1.3.4.2	PNW Endurance Array	Tue 7/1/08	Tue 1/10/12																
230	1.3.4.2.1	OR 80m	Wed 7/2/08	Tue 1/10/12																
231	1.3.4.2.1.1	OR 80m Site Survey	Wed 7/2/08	Tue 5/4/10																
232	1.3.4.2.1.2	OR 80m Site Design	Wed 5/5/10	Tue 6/1/10																
233	1.3.4.2.1.3	Coastal Mooring Procure, Build, Inspect & Test	Wed 5/5/10	Tue 2/8/11																
234	1.3.4.2.1.3.1	Electrical Build	Wed 5/5/10	Tue 10/19/10																
235	1.3.4.2.1.3.2	Mechanical Build	Wed 5/5/10	Tue 10/19/10																
236	1.3.4.2.1.3.3	Rigging Shop	Wed 5/5/10	Tue 7/27/10																
237	1.3.4.2.1.3.4	DCL Build	Wed 8/25/10	Tue 2/8/11																
238	1.3.4.2.1.3.5	Sensors	Wed 5/5/10	Tue 8/24/10																
239	1.3.4.2.1.4	Cabled Coastal Winched Profiler Mooring Procure, Build, Inspect & Test	Wed 5/5/10	Tue 2/8/11																
240	1.3.4.2.1.4.1	Procure, Build, Inspect & Test	Wed 5/5/10	Tue 10/19/10																
241	1.3.4.2.1.4.2	Sensors	Wed 10/20/10	Tue 2/8/11																
242	1.3.4.2.1.5	Cabled Benthic Experiment Node Procure, Build, Inspect & Test	Wed 5/5/10	Tue 2/8/11																
243	1.3.4.2.1.5.1	Procure, Build, Inspect & Test	Wed 5/5/10	Tue 10/19/10																
244	1.3.4.2.1.5.2	Sensors	Wed 10/20/10	Tue 2/8/11																

OOI Integrated Master Schedule

ID	WBS	Task Name	Start	Finish	2008				2009				2010				2011				2012				2013							
					Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
245	1.3.4.2.1.6	Cabling	Wed 5/5/10	Tue 4/5/11																												
246	1.3.4.2.1.6.1	Cable Procure and Install	Wed 5/5/10	Tue 4/5/11																												
247	1.3.4.2.1.6.2	Medium Voltage Node	Wed 5/5/10	Tue 4/5/11																												
248	1.3.4.2.1.6.3	Low Voltage Node	Wed 5/5/10	Tue 4/5/11																												
249	1.3.4.2.1.7	Pre-Installation Integration Test	Wed 4/6/11	Tue 9/20/11																												
250	1.3.4.2.1.8	Installation and Test	Wed 9/21/11	Tue 12/13/11																												
251	1.3.4.2.1.9	Commissioning & Acceptance	Wed 12/14/11	Tue 1/10/12																												
252	1.3.4.2.2	OR 25m	Tue 7/1/08	Tue 11/15/11																												
253	1.3.4.2.2.1	OR 25m Site Survey	Tue 7/1/08	Tue 7/1/08																												
254	1.3.4.2.2.2	OR 25m Site Design	Wed 11/18/09	Tue 12/15/09																												
255	1.3.4.2.2.3	Near Shore Mooring Procure, Build, Inspect & Test	Wed 5/5/10	Tue 11/16/10																												
256	1.3.4.2.2.3.1	Electrical / Mechanical Build	Wed 5/5/10	Tue 10/19/10																												
257	1.3.4.2.2.3.2	Sensors	Wed 5/5/10	Tue 8/24/10																												
258	1.3.4.2.2.3.3	MFN Build	Wed 5/5/10	Tue 10/19/10																												
259	1.3.4.2.2.3.4	DCL Build	Wed 8/25/10	Tue 11/16/10																												
260	1.3.4.2.2.4	Coastal Winched Profiler Mooring Procure, Build, Inspect & Test	Wed 5/5/10	Tue 2/8/11																												
261	1.3.4.2.2.4.1	Procure, Build, Inspect & Test	Wed 5/5/10	Tue 10/19/10																												

OOI Integrated Master Schedule

ID	WBS	Task Name	Start	Finish	2008				2009				2010				2011				2012				2013			
					Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
262	1.3.4.2.2.4.2	Sensors	Wed 10/20/10	Tue 2/8/11																								
263	1.3.4.2.2.5	Benthic Experiment Node Procure, Build, Inspect & Test	Wed 11/18/09	Tue 8/24/10																								
264	1.3.4.2.2.5.1	Procure, Build, Inspect & Test	Wed 11/18/09	Tue 5/4/10																								
265	1.3.4.2.2.5.2	Sensors	Wed 5/5/10	Tue 8/24/10																								
266	1.3.4.2.2.6	Pre-Installation Integration Test	Wed 2/9/11	Tue 7/26/11																								
267	1.3.4.2.2.7	Installation and Test	Wed 7/27/11	Tue 10/18/11																								
268	1.3.4.2.2.8	Commissioning & Acceptance	Wed 10/19/11	Tue 11/15/11																								
269	1.3.4.2.3	OR 500m	Tue 7/1/08	Tue 1/10/12																								
270	1.3.4.2.3.1	OR 500m Site Survey	Tue 7/1/08	Tue 7/1/08																								
271	1.3.4.2.3.2	OR 500m Site Design	Wed 5/5/10	Tue 6/1/10																								
272	1.3.4.2.3.3	Coastal Mooring Procure, Build, Inspect & Test	Wed 5/5/10	Tue 2/8/11																								
273	1.3.4.2.3.3.1	Electrical Build	Wed 5/5/10	Tue 10/19/10																								
274	1.3.4.2.3.3.2	Mechanical Build	Wed 5/5/10	Tue 10/19/10																								
275	1.3.4.2.3.3.3	Rigging Shop	Wed 5/5/10	Tue 7/27/10																								
276	1.3.4.2.3.3.4	DCL Build	Wed 8/25/10	Tue 2/8/11																								
277	1.3.4.2.3.3.5	Sensors	Wed 5/5/10	Tue 8/24/10																								
278	1.3.4.2.3.4	Cabled Coastal Hybrid Profiler Mooring Procure, Build, Inspect & Test	Wed 5/5/10	Tue 2/8/11																								

OOI Integrated Master Schedule

ID	WBS	Task Name	Start	Finish	2008				2009				2010				2011				2012				2013			
					Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
279	1.3.4.2.3.4.1	Procure, Build, Inspect & Test	Wed 5/5/10	Tue 10/19/10																								
280	1.3.4.2.3.4.2	Sensors	Wed 10/20/10	Tue 2/8/11																								
281	1.3.4.2.3.5	Cabled Benthic Experiment Node Procure, Build, Inspect & Test	Wed 5/5/10	Tue 2/8/11																								
282	1.3.4.2.3.5.1	Procure, Build, Inspect & Test	Wed 5/5/10	Tue 10/19/10																								
283	1.3.4.2.3.5.2	Sensors	Wed 10/20/10	Tue 2/8/11																								
284	1.3.4.2.3.6	Cabling	Tue 7/1/08	Mon 6/1/09																								
285	1.3.4.2.3.7	Pre-Installation Integration Test	Wed 2/9/11	Tue 7/26/11																								
286	1.3.4.2.3.8	Installation and Test	Wed 9/21/11	Tue 12/13/11																								
287	1.3.4.2.3.9	Commissioning & Acceptance	Wed 12/14/11	Tue 1/10/12																								
288	1.3.4.2.4	WA 80m	Tue 7/1/08	Wed 5/5/10																								
289	1.3.4.2.4.1	WA 80m Site Survey	Tue 5/4/10	Tue 5/4/10																								
290	1.3.4.2.4.2	WA 80m Site Design	Tue 5/4/10	Tue 5/4/10																								
291	1.3.4.2.4.3	Coastal Mooring Procure, Build, Inspect & Test	Tue 5/4/10	Tue 5/4/10																								
292	1.3.4.2.4.3.1	Electrical Build	Tue 5/4/10	Tue 5/4/10																								
293	1.3.4.2.4.3.2	Mechanical Build	Tue 5/4/10	Tue 5/4/10																								
294	1.3.4.2.4.3.3	Rigging Shop	Tue 5/4/10	Tue 5/4/10																								
295	1.3.4.2.4.3.4	DCL Build	Tue 5/4/10	Tue 5/4/10																								

OOI Integrated Master Schedule

ID	WBS	Task Name	Start	Finish	2008				2009				2010				2011				2012				2013																
					Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3									
296	1.3.4.2.4.3.5	Sensors	Tue 5/4/10	Tue 5/4/10													◆																								
297	1.3.4.2.4.3.6	MFN Build	Tue 5/4/10	Tue 5/4/10														◆																							
298	1.3.4.2.4.4	Coastal Winched Profiler Mooring Procure, Build, Inspect & Test	Tue 7/1/08	Tue 7/1/08				◆																																	
299	1.3.4.2.4.4.1	Electrical /Mechanical Build	Tue 7/1/08	Tue 7/1/08			◆																																		
300	1.3.4.2.4.4.2	Sensors	Tue 7/1/08	Tue 7/1/08			◆																																		
301	1.3.4.2.4.5	Benthic Experiment Node Procure, Build, Inspect & Test	Tue 7/1/08	Tue 7/1/08			◆																																		
302	1.3.4.2.4.5.1	Electrical / Mechanical Build	Tue 7/1/08	Tue 7/1/08			◆																																		
303	1.3.4.2.4.5.2	Sensors	Tue 7/1/08	Tue 7/1/08			◆																																		
304	1.3.4.2.4.6	Pre-Installation Integration Test	Tue 5/4/10	Tue 5/4/10																																					
305	1.3.4.2.4.7	Installation and Test	Wed 5/5/10	Wed 5/5/10																																					
306	1.3.4.2.4.8	Commissioning & Acceptance	Wed 5/5/10	Wed 5/5/10																																					
307	1.3.4.2.5	WA 25m	Tue 7/1/08	Tue 5/4/10																																					
308	1.3.4.2.5.1	WA 25m Site Survey	Tue 5/4/10	Tue 5/4/10																																					
309	1.3.4.2.5.2	WA 25m Site Design	Tue 5/4/10	Tue 5/4/10																																					
310	1.3.4.2.5.3	Near Shore Mooring Procure, Build, Inspect & Test	Tue 5/4/10	Tue 5/4/10																																					
311	1.3.4.2.5.3.1	Electrical / Mechanical Build	Tue 5/4/10	Tue 5/4/10																																					
312	1.3.4.2.5.3.2	Sensors	Tue 5/4/10	Tue 5/4/10																																					

OOI Integrated Master Schedule

ID	WBS	Task Name	Start	Finish	2008				2009				2010				2011				2012				2013															
					Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4											
313	1.3.4.2.5.3.3	MFN Build	Tue 5/4/10	Tue 5/4/10													◆																							
314	1.3.4.2.5.3.4	DCL Build	Tue 5/4/10	Tue 5/4/10													◆																							
315	1.3.4.2.5.4	Coastal Winched Profiler Mooring Procure, Build, Inspect & Test	Tue 5/4/10	Tue 5/4/10													◆																							
316	1.3.4.2.5.4.1	Procure, Build, Inspect & Test	Tue 5/4/10	Tue 5/4/10													◆																							
317	1.3.4.2.5.4.2	Sensors	Tue 5/4/10	Tue 5/4/10													◆																							
318	1.3.4.2.5.5	Benthic Experiment Node Procure, Build, Inspect & Test	Tue 5/4/10	Tue 5/4/10													◆																							
319	1.3.4.2.5.5.1	Procure, Build, Inspect & Test	Tue 5/4/10	Tue 5/4/10													◆																							
320	1.3.4.2.5.5.2	Sensors	Tue 5/4/10	Tue 5/4/10													◆																							
321	1.3.4.2.5.6	Pre-Installation Integration Test	Tue 5/4/10	Tue 5/4/10													◆																							
322	1.3.4.2.5.7	Installation and Test	Tue 7/1/08	Tue 7/1/08	◆																																			
323	1.3.4.2.5.8	Commissioning & Acceptance	Tue 7/1/08	Tue 7/1/08	◆																																			
324	1.3.4.2.6	OR 150m	Tue 5/4/10	Wed 5/5/10													◆																							
325	1.3.4.2.6.1	OR 150m Site Survey	Tue 5/4/10	Tue 5/4/10													◆																							
326	1.3.4.2.6.2	OR 150m Site Design	Tue 5/4/10	Tue 5/4/10													◆																							
327	1.3.4.2.6.3	Cabled Coastal Winched Profiler Mooring Procure, Build, Inspect & Tes	Tue 5/4/10	Tue 5/4/10													◆																							
328	1.3.4.2.6.3.1	Procure, Build, Inspect & Test	Tue 5/4/10	Tue 5/4/10													◆																							
329	1.3.4.2.6.3.2	Sensors	Tue 5/4/10	Tue 5/4/10													◆																							

OOI Integrated Master Schedule

ID	WBS	Task Name	Start	Finish	2008				2009				2010				2011				2012				2013							
					Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
330	1.3.4.2.6.4	Cabled Benthic Experiment Node Procure, Build, Inspect & Test	Tue 5/4/10	Tue 5/4/10									◆																			
331	1.3.4.2.6.4.1	Procure, Build, Inspect & Test	Tue 5/4/10	Tue 5/4/10									◆																			
332	1.3.4.2.6.4.2	Sensors	Tue 5/4/10	Tue 5/4/10									◆																			
333	1.3.4.2.6.5	Cabling	Tue 5/4/10	Tue 5/4/10									◆																			
334	1.3.4.2.6.6	Pre-Installation Integration Test	Tue 5/4/10	Tue 5/4/10									◆																			
335	1.3.4.2.6.7	Installation and Test	Wed 5/5/10	Wed 5/5/10									◆																			
336	1.3.4.2.6.8	Commissioning & Acceptance	Wed 5/5/10	Wed 5/5/10									◆																			
337	1.3.4.2.7	WA 150m	Tue 5/4/10	Wed 5/5/10									◆																			
338	1.3.4.2.7.1	WA 150m Site Survey	Tue 5/4/10	Tue 5/4/10									◆																			
339	1.3.4.2.7.2	WA 150m Site Design	Tue 5/4/10	Tue 5/4/10									◆																			
340	1.3.4.2.7.3	Procure, Build, Inspect & Test	Tue 5/4/10	Tue 5/4/10									◆																			
341	1.3.4.2.7.3.1	Electrical Build	Tue 5/4/10	Tue 5/4/10									◆																			
342	1.3.4.2.7.3.2	Mechanical Build	Tue 5/4/10	Tue 5/4/10									◆																			
343	1.3.4.2.7.3.3	Rigging Shop	Tue 5/4/10	Tue 5/4/10									◆																			
344	1.3.4.2.7.3.4	Sensors	Tue 5/4/10	Tue 5/4/10									◆																			
345	1.3.4.2.7.4	Pre-Installation Integration Test	Tue 5/4/10	Tue 5/4/10									◆																			
346	1.3.4.2.7.5	Installation and Test	Wed 5/5/10	Wed 5/5/10									◆																			

OOI Integrated Master Schedule

ID	WBS	Task Name	Start	Finish	2008				2009				2010				2011				2012				2013							
					Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
347	1.3.4.2.7.6	Commissioning & Acceptance	Wed 5/5/10	Wed 5/5/10																												
348	1.3.4.2.8	Gliders	Wed 11/18/09	Tue 5/3/11																												
349	1.3.4.2.8.1	Glider Procure, Build, Inspect & Test	Wed 11/18/09	Tue 10/19/10																												
350	1.3.4.2.8.2	Pre-Installation Integration Test	Wed 10/20/10	Tue 1/11/11																												
351	1.3.4.2.8.3	Installation and Test	Wed 1/12/11	Tue 4/5/11																												
352	1.3.4.2.8.4	Commissioning & Acceptance	Wed 4/6/11	Tue 5/3/11																												
353	1.3.4.3	Pioneer Array	Tue 7/1/08	Tue 3/5/13																												
354	1.3.4.3.1	P1 - Central EM/MFN with winched profiler (150 m)	Tue 7/1/08	Tue 12/11/12																												
355	1.3.4.3.1.1	P1 Site Survey	Tue 7/1/08	Tue 7/1/08																												
356	1.3.4.3.1.2	P1 Site Design	Wed 4/6/11	Tue 5/3/11																												
357	1.3.4.3.1.3	Coastal Mooring, MFN Procure, Build, Inspect & Test	Tue 4/5/11	Tue 1/10/12																												
358	1.3.4.3.1.3.1	Electrical Build	Wed 4/6/11	Tue 9/20/11																												
359	1.3.4.3.1.3.2	Mechanical Build	Wed 4/6/11	Tue 9/20/11																												
360	1.3.4.3.1.3.3	Rigging Shop	Tue 4/5/11	Tue 4/5/11																												
361	1.3.4.3.1.3.4	MFN Build	Wed 4/6/11	Tue 11/15/11																												
362	1.3.4.3.1.3.5	DCL Build	Wed 7/27/11	Tue 1/10/12																												
363	1.3.4.3.1.3.6	Sensors	Wed 4/6/11	Tue 7/26/11																												

OOI Integrated Master Schedule

ID	WBS	Task Name	Start	Finish	2008				2009				2010				2011				2012				2013											
					Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4			
364	1.3.4.3.1.4	Coastal Winched Profiler Mooring Procure, Build, Inspect & Test	Wed 5/5/10	Tue 2/8/11																																
365	1.3.4.3.1.4.1	Procure, Build, Inspect & Test	Wed 5/5/10	Tue 10/19/10																																
366	1.3.4.3.1.4.2	Sensors	Wed 10/20/10	Tue 2/8/11																																
367	1.3.4.3.1.5	Pre-Installation Integration Test	Wed 1/11/12	Tue 6/26/12																																
368	1.3.4.3.1.6	Installation and Test	Wed 8/22/12	Tue 11/13/12																																
369	1.3.4.3.1.7	Commissioning & Acceptance	Wed 11/14/12	Tue 12/11/12																																
370	1.3.4.3.2	P2 - Upstream EM/MFN with winched profiler (150 m)	Tue 7/1/08	Tue 4/5/11																																
371	1.3.4.3.2.1	P2 Site Survey	Tue 7/1/08	Tue 7/1/08																																
372	1.3.4.3.2.2	P2 Site Design	Tue 4/5/11	Tue 4/5/11																																
373	1.3.4.3.2.3	Coastal Mooring, MFN Procure, Build, Inspect & Test	Tue 4/5/11	Tue 4/5/11																																
374	1.3.4.3.2.3.1	Electrical Build	Tue 4/5/11	Tue 4/5/11																																
375	1.3.4.3.2.3.2	Mechanical Build	Tue 4/5/11	Tue 4/5/11																																
376	1.3.4.3.2.3.3	Rigging Shop	Tue 4/5/11	Tue 4/5/11																																
377	1.3.4.3.2.3.4	MFN Build	Tue 4/5/11	Tue 4/5/11																																
378	1.3.4.3.2.3.5	DCL Build	Tue 4/5/11	Tue 4/5/11																																
379	1.3.4.3.2.3.6	Sensors	Tue 4/5/11	Tue 4/5/11																																
380	1.3.4.3.2.4	Coastal Winched Profiler Mooring Procure, Build, Inspect & Test	Tue 5/4/10	Tue 4/5/11																																

OOI Integrated Master Schedule

ID	WBS	Task Name	Start	Finish	2008				2009				2010				2011				2012				2013				
					Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	
381	1.3.4.3.2.4.1	Procure, Build, Inspect & Test	Tue 5/4/10	Tue 5/4/10																									
382	1.3.4.3.2.4.2	Sensors	Tue 4/5/11	Tue 4/5/11																									
383	1.3.4.3.2.5	Pre-Installation Integration Test	Tue 4/5/11	Tue 4/5/11																									
384	1.3.4.3.2.6	Installation and Test	Tue 4/5/11	Tue 4/5/11																									
385	1.3.4.3.2.7	Commissioning & Acceptance	Tue 4/5/11	Tue 4/5/11																									
386	1.3.4.3.3	P3 - Inshore EM/Dock with winched profiler (120 m)	Tue 7/1/08	Tue 12/11/12																									
387	1.3.4.3.3.1	P3 Site Survey	Tue 7/1/08	Tue 7/1/08																									
388	1.3.4.3.3.2	P3 Site Design	Wed 4/6/11	Tue 5/3/11																									
389	1.3.4.3.3.3	Coastal Mooring Procure, Build, Inspect & Test	Tue 4/5/11	Tue 1/10/12																									
390	1.3.4.3.3.3.1	Electrical Build	Wed 4/6/11	Tue 9/20/11																									
391	1.3.4.3.3.3.2	Mechanical Build	Wed 4/6/11	Tue 9/20/11																									
392	1.3.4.3.3.3.3	Rigging Shop	Tue 4/5/11	Tue 4/5/11																									
393	1.3.4.3.3.3.4	MFN Build	Wed 4/6/11	Tue 11/15/11																									
394	1.3.4.3.3.3.5	DCL Build	Wed 7/27/11	Tue 1/10/12																									
395	1.3.4.3.3.3.6	Sensors	Wed 4/6/11	Tue 7/26/11																									
396	1.3.4.3.3.4	Coastal Winched Profiler Mooring Procure, Build, Inspect & Test	Wed 5/5/10	Tue 2/8/11																									
397	1.3.4.3.3.4.1	Procure, Build, Inspect & Test	Wed 5/5/10	Tue 10/19/10																									

OOI Integrated Master Schedule

ID	WBS	Task Name	Start	Finish	2008				2009				2010				2011				2012				2013														
					Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4										
398	1.3.4.3.3.4.2	Sensors	Wed 10/20/10	Tue 2/8/11																																			
399	1.3.4.3.3.5	Dock Procure, Build, Inspect & Test	Wed 4/6/11	Tue 3/6/12																																			
400	1.3.4.3.3.6	Pre-Installation Integration Test	Wed 3/7/12	Tue 8/21/12																																			
401	1.3.4.3.3.7	Installation and Test	Wed 8/22/12	Tue 11/13/12																																			
402	1.3.4.3.3.8	Commissioning & Acceptance	Wed 11/14/12	Tue 12/11/12																																			
403	1.3.4.3.4	P4 - Offshore EM/Dock with winched profiler (800 m)	Tue 7/1/08	Tue 12/11/12																																			
404	1.3.4.3.4.1	P4 Site Survey	Tue 7/1/08	Tue 7/1/08																																			
405	1.3.4.3.4.2	P4 Site Design	Wed 4/6/11	Tue 5/3/11																																			
406	1.3.4.3.4.3	Coastal Mooring Procure, Build, Inspect & Test	Tue 4/5/11	Tue 1/10/12																																			
407	1.3.4.3.4.3.1	Electrical Build	Wed 4/6/11	Tue 9/20/11																																			
408	1.3.4.3.4.3.2	Mechanical Build	Wed 4/6/11	Tue 9/20/11																																			
409	1.3.4.3.4.3.3	Rigging Shop	Tue 4/5/11	Tue 4/5/11																																			
410	1.3.4.3.4.3.4	MFN Build	Wed 4/6/11	Tue 11/15/11																																			
411	1.3.4.3.4.3.5	DCL Build	Wed 7/27/11	Tue 1/10/12																																			
412	1.3.4.3.4.3.6	Sensors	Wed 4/6/11	Tue 7/26/11																																			
413	1.3.4.3.4.4	Coastal Winched Profiler Mooring Procure, Build, Inspect & Test	Tue 8/25/09	Tue 2/9/10																																			
414	1.3.4.3.4.4.1	Procure, Build, Inspect & Test	Wed 8/26/09	Tue 2/9/10																																			

OOI Integrated Master Schedule

ID	WBS	Task Name	Start	Finish	2008				2009				2010				2011				2012				2013							
					Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
415	1.3.4.3.4.4.2	Mechanical Build	Tue 8/25/09	Tue 8/25/09																												
416	1.3.4.3.4.4.3	Rigging Shop	Wed 8/26/09	Tue 11/17/09																												
417	1.3.4.3.4.4.4	Sensors	Wed 8/26/09	Tue 12/15/09																												
418	1.3.4.3.4.5	Dock Procure, Build, Inspect & Test	Wed 4/6/11	Tue 3/6/12																												
419	1.3.4.3.4.6	Pre-Installation Integration Test	Wed 3/7/12	Tue 8/21/12																												
420	1.3.4.3.4.7	Installation and Test	Wed 8/22/12	Tue 11/13/12																												
421	1.3.4.3.4.8	Commissioning & Acceptance	Wed 11/14/12	Tue 12/11/12																												
422	1.3.4.3.5	Coastal Profiler Moorings	Wed 7/2/08	Tue 11/16/10																												
423	1.3.4.3.5.1	Site Survey	Wed 7/2/08	Tue 7/29/08																												
424	1.3.4.3.5.2	Site Design	Wed 8/26/09	Tue 10/20/09																												
425	1.3.4.3.5.3	Coastal Profiler Mooring Procure, Build, Inspect & Test	Tue 8/25/09	Tue 2/9/10																												
426	1.3.4.3.5.3.1	Electrical Build	Wed 8/26/09	Tue 2/9/10																												
427	1.3.4.3.5.3.2	Mechanical Build	Tue 8/25/09	Tue 8/25/09																												
428	1.3.4.3.5.3.3	Rigging Shop	Wed 8/26/09	Tue 11/17/09																												
429	1.3.4.3.5.3.4	Sensors	Wed 8/26/09	Tue 12/15/09																												
430	1.3.4.3.5.4	Pre-Installation Integration Test	Wed 2/10/10	Tue 7/27/10																												
431	1.3.4.3.5.5	Installation and Test	Wed 7/28/10	Tue 10/19/10																												

OOI Integrated Master Schedule

ID	WBS	Task Name	Start	Finish	2008				2009				2010				2011				2012				2013			
					Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
449	1.3.4.4.3	Acceptance	Wed 12/15/10	Tue 1/11/11																								
450		Coastal/ Global Milestones	Tue 7/1/08	Mon 7/1/13																								
451		Authorization to Proceed	Tue 7/1/08	Tue 7/1/08		◆																						
452		Requirements Readiness Review	Tue 7/1/08	Tue 7/1/08	◆																							
453		Station Papa CDR	Tue 11/17/09	Tue 11/17/09								◆																
454		Station Papa Installation Readiness Review/ PCA	Tue 5/31/11	Tue 5/31/11															◆									
455		Station Papa Acceptance Complete	Tue 9/20/11	Tue 9/20/11																		◆						
456		Southern Ocean CDR	Tue 4/5/11	Tue 4/5/11														◆										
457		Southern Ocean Installation Readiness Review/ PCA	Tue 11/13/12	Tue 11/13/12																							◆	
458		Southern Ocean Acceptance Complete	Wed 3/6/13	Wed 3/6/13																								▶
459		Irminger Sea CDR	Tue 11/17/09	Tue 11/17/09								◆																
460		Irminger Sea Installation Readiness Review/ PCA	Tue 2/7/12	Tue 2/7/12																							◆	
461		Irminger Sea Acceptance Complete	Wed 5/30/12	Wed 5/30/12																								▶
462		Mid Atlantic CDR	Wed 11/18/09	Wed 11/18/09																								▶
463		Mid Atlantic Installation Readiness Review/ PCA	Wed 5/5/10	Wed 5/5/10																								▶
464		Mid Atlantic Acceptance Complete	Wed 1/11/12	Wed 1/11/12																								▶
465		PNW Uncabled Array CDR	Tue 11/17/09	Tue 11/17/09								◆																▶

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ID	WBS	Task Name	Start	Finish	2008				2009				2010				2011				2012				2013							
					Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
1	1	OOI	Tue 7/1/08	Fri 6/28/13																												
2	1.1	System Integration	Tue 7/1/08	Tue 7/1/08																												
3	1.2	Cyberinfrastructure	Tue 7/1/08	Tue 7/1/08																												
4	1.3	Coastal/ Global Observatory	Tue 7/1/08	Tue 7/1/08																												
5	1.4	OOI_RSN	Tue 7/1/08	Fri 6/28/13																												
6	1.4.1	Project Management	Tue 7/1/08	Fri 6/28/13																												
7	1.4.1.1	2008 Project Management and Support	Tue 7/1/08	Wed 12/31/08																												
8	1.4.1.1.1	Project management and controls	Tue 7/1/08	Wed 12/31/08																												
9	1.4.1.1.2	Science Outreach and Education	Tue 7/1/08	Wed 12/31/08																												
10	1.4.1.2	2009 Project Management and Support	Thu 1/1/09	Thu 12/31/09																												
11	1.4.1.2.1	Project management and controls	Thu 1/1/09	Thu 12/31/09																												
12	1.4.1.2.2	Science Outreach and Education	Thu 1/1/09	Thu 12/31/09																												
13	1.4.1.3	2010 Project Management and Support	Fri 1/1/10	Fri 12/31/10																												
14	1.4.1.3.1	Project management and controls	Fri 1/1/10	Fri 12/31/10																												
15	1.4.1.3.2	Science Outreach and Education	Fri 1/1/10	Fri 12/31/10																												
16	1.4.1.4	2011 Project Management and Support	Mon 1/3/11	Fri 12/30/11																												
17	1.4.1.4.1	Project management and controls	Mon 1/3/11	Fri 12/30/11																												

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ID	WBS	Task Name	Start	Finish	2008				2009				2010				2011				2012				2013							
					Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
18	1.4.1.4.2	Science Outreach and Education	Mon 1/3/11	Fri 12/30/11																												
19	1.4.1.5	2012 Project Management and Support	Mon 1/2/12	Mon 12/31/12																												
20	1.4.1.5.1	Project management and controls	Mon 1/2/12	Mon 12/31/12																												
21	1.4.1.5.2	Science Outreach and Education	Mon 1/2/12	Mon 12/31/12																												
22	1.4.1.6	2013 Project Management and Support	Tue 1/1/13	Fri 6/28/13																												
23	1.4.1.6.1	Project management and controls	Tue 1/1/13	Fri 6/28/13																												
24	1.4.1.6.2	Science Outreach and Education	Tue 1/1/13	Fri 6/28/13																												
25	1.4.1.7	Permitting Process	Tue 7/1/08	Mon 2/15/10																												
26	1.4.1.7.1	Permitting Acquisition	Tue 7/1/08	Mon 2/15/10																												
27	1.4.1.7.1.1	Permit Strategy	Tue 7/1/08	Mon 8/11/08																												
28	1.4.1.7.1.2	Compile Permit List	Tue 8/12/08	Mon 11/3/08																												
29	1.4.1.7.1.3	Monitoring	Tue 11/4/08	Mon 2/15/10																												
30	1.4.2	System Engineering	Tue 7/1/08	Fri 6/28/13																												
31	1.4.2.1	2008 SE Management and Support	Tue 7/1/08	Thu 1/1/09																												
32	1.4.2.1.1	Systems Engineering Oversight / Support	Tue 7/1/08	Wed 12/31/08																												
33	1.4.2.1.2	Requirements Management	Tue 7/1/08	Thu 1/1/09																												
34	1.4.2.1.2.1	System Requirements	Tue 7/1/08	Wed 12/31/08																												

OOI Integrated Master Schedule

ID	WBS	Task Name	Start	Finish	2008				2009				2010				2011				2012				2013							
					Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
35	1.4.2.1.2.2	System Simulator for Pre-Installation Testing Requirements	Tue 7/1/08	Wed 12/31/08																												
36	1.4.2.1.2.3	Primary and Secondary Node Requirements	Tue 7/1/08	Wed 12/31/08																												
37	1.4.2.1.2.4	LV Node Requirements	Tue 7/1/08	Wed 12/31/08																												
38	1.4.2.1.2.5	Extension Cables including Terminations Requirements	Tue 7/1/08	Wed 12/31/08																												
39	1.4.2.1.2.6	Vertical Mooring Requirements	Tue 7/1/08	Wed 12/31/08																												
40	1.4.2.1.2.7	Winch and Profiler Requirements	Tue 7/1/08	Wed 12/31/08																												
41	1.4.2.1.2.8	J-Box Requirements	Tue 7/1/08	Wed 12/31/08																												
42	1.4.2.1.2.9	Shore Station Requirements	Tue 7/1/08	Wed 12/31/08																												
43	1.4.2.1.2.10	Network Management System Test Requirements	Tue 7/1/08	Wed 12/31/08																												
44	1.4.2.1.2.11	Back Haul Test Requirements	Tue 7/1/08	Wed 12/31/08																												
45	1.4.2.1.2.12	Logistics Depot Requirements	Tue 7/1/08	Wed 12/31/08																												
46	1.4.2.1.2.13	Core Instrument Package Requirements	Tue 7/1/08	Thu 1/1/09																												
47	1.4.2.1.2.13.1	Current Meter	Tue 7/1/08	Wed 12/31/08																												
48	1.4.2.1.2.13.2	Bottom Pressure Sensor	Tue 7/1/08	Wed 12/31/08																												
49	1.4.2.1.2.13.3	Hydrophone	Tue 7/1/08	Wed 12/31/08																												
50	1.4.2.1.2.13.4	Broadband Seismometer	Tue 7/1/08	Wed 12/31/08																												
51	1.4.2.1.2.13.5	Surface Layer Core Instrument	Tue 7/1/08	Wed 12/31/08																												

OOI Integrated Master Schedule

ID	WBS	Task Name	Start	Finish	2008				2009				2010				2011				2012				2013							
					Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
52	1.4.2.1.2.13.6	Mid Level Core Instrument	Tue 7/1/08	Wed 12/31/08																												
53	1.4.2.1.2.13.7	Bottom Level Core Instrument	Tue 7/1/08	Thu 1/1/09																												
54	1.4.2.1.2.14	Core Instrument Package Test Plan	Tue 7/1/08	Wed 12/31/08																												
55	1.4.2.1.2.14.1	Current Meter	Tue 7/1/08	Wed 12/31/08																												
56	1.4.2.1.2.14.2	Bottom Pressure Sensor	Tue 7/1/08	Wed 12/31/08																												
57	1.4.2.1.2.14.3	Hydrophone	Tue 7/1/08	Wed 12/31/08																												
58	1.4.2.1.2.14.4	Broadband Seismometer	Tue 7/1/08	Wed 12/31/08																												
59	1.4.2.1.2.14.5	Surface Layer Core Instrument	Tue 7/1/08	Wed 12/31/08																												
60	1.4.2.1.2.14.6	Mid Level Core Instrument	Tue 7/1/08	Wed 12/31/08																												
61	1.4.2.1.2.14.7	Bottom Level Core Instrument	Tue 7/1/08	Wed 12/31/08																												
62	1.4.2.1.3	Integration and Test Planning	Tue 7/1/08	Wed 12/31/08																												
63	1.4.2.1.3.1	System Test Plan	Tue 7/1/08	Wed 12/31/08																												
64	1.4.2.1.3.2	System Simulator for Pre-Installation Testing Test Plan	Tue 7/1/08	Wed 12/31/08																												
65	1.4.2.1.3.3	Primary and Secondary Node Test Plan	Tue 7/1/08	Wed 12/31/08																												
66	1.4.2.1.3.4	LV Node Test Plan	Tue 7/1/08	Wed 12/31/08																												
67	1.4.2.1.3.5	Extension Cables including Terminations Test Plan	Tue 7/1/08	Wed 12/31/08																												
68	1.4.2.1.3.6	Vertical Mooring Test Plan	Tue 7/1/08	Wed 12/31/08																												

OOI Integrated Master Schedule

ID	WBS	Task Name	Start	Finish	2008				2009				2010				2011				2012				2013							
					Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
69	1.4.2.1.3.7	Winch and Profiler Test Plan	Tue 7/1/08	Wed 12/31/08																												
70	1.4.2.1.3.8	J-Box Test Plan	Tue 7/1/08	Wed 12/31/08																												
71	1.4.2.1.3.9	Shore Station Test Plan	Tue 7/1/08	Wed 12/31/08																												
72	1.4.2.1.3.10	Network Management System Test Plan	Tue 7/1/08	Wed 12/31/08																												
73	1.4.2.1.3.11	Back Haul Test Plan	Tue 7/1/08	Wed 12/31/08																												
74	1.4.2.1.4	Interface Agreements	Tue 7/1/08	Wed 12/31/08																												
75	1.4.2.1.4.1	Cyberinfrastructure Interface Agreements	Tue 7/1/08	Wed 12/31/08																												
76	1.4.2.1.4.2	Coastal/Global Observatories Interface Agreements	Tue 7/1/08	Wed 12/31/08																												
77	1.4.2.1.4.3	Internal Interface Agreements	Tue 7/1/08	Wed 12/31/08																												
78	1.4.2.2	2009 SE Management and Support	Thu 1/1/09	Thu 12/31/09																												
79	1.4.2.2.1	Systems Engineering Oversight / Support	Thu 1/1/09	Thu 12/31/09																												
80	1.4.2.2.2	Requirements Management	Thu 1/1/09	Thu 12/31/09																												
81	1.4.2.2.2.1	System Requirements	Thu 1/1/09	Thu 12/31/09																												
82	1.4.2.2.2.2	System Simulator for Pre-Installation Testing Requirements	Thu 1/1/09	Thu 12/31/09																												
83	1.4.2.2.2.3	Primary and Secondary Node Requirements	Thu 1/1/09	Thu 12/31/09																												
84	1.4.2.2.2.4	LV Node Requirements	Thu 1/1/09	Thu 12/31/09																												
85	1.4.2.2.2.5	Extension Cables including Terminations Requirements	Thu 1/1/09	Thu 12/31/09																												

OOI Integrated Master Schedule

ID	WBS	Task Name	Start	Finish	2008				2009				2010				2011				2012				2013			
					Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
86	1.4.2.2.2.6	Vertical Mooring Requirements	Thu 1/1/09	Thu 12/31/09					▶																			
87	1.4.2.2.2.7	Winch and Profiler Requirements	Thu 1/1/09	Thu 12/31/09					▶																			
88	1.4.2.2.2.8	J-Box Requirements	Thu 1/1/09	Thu 12/31/09					▶																			
89	1.4.2.2.2.9	Shore Station Requirements	Thu 1/1/09	Thu 12/31/09					▶																			
90	1.4.2.2.2.10	Network Management System Test Requirements	Thu 1/1/09	Thu 12/31/09					▶																			
91	1.4.2.2.2.11	Back Haul Test Requirements	Thu 1/1/09	Thu 12/31/09					▶																			
92	1.4.2.2.2.12	Logistics Depot Requirements	Thu 1/1/09	Thu 12/31/09					▶																			
93	1.4.2.2.2.13	Core Instrument Package Requirements	Thu 1/1/09	Thu 12/31/09																								
94	1.4.2.2.2.13.1	Current Meter	Thu 1/1/09	Thu 12/31/09					▶																			
95	1.4.2.2.2.13.2	Bottom Pressure Sensor	Thu 1/1/09	Thu 12/31/09					▶																			
96	1.4.2.2.2.13.3	Hydrophone	Thu 1/1/09	Thu 12/31/09					▶																			
97	1.4.2.2.2.13.4	Broadband Seismometer	Thu 1/1/09	Thu 12/31/09					▶																			
98	1.4.2.2.2.13.5	Surface Layer Core Instrument	Thu 1/1/09	Thu 12/31/09					▶																			
99	1.4.2.2.2.13.6	Mid Level Core Instrument	Thu 1/1/09	Thu 12/31/09					▶																			
100	1.4.2.2.2.13.7	Bottom Level Core Instrument	Thu 1/1/09	Thu 12/31/09					▶																			
101	1.4.2.2.2.14	Core Instrument Package Test Plan	Thu 1/1/09	Thu 12/31/09																								
102	1.4.2.2.2.14.1	Current Meter	Thu 1/1/09	Thu 12/31/09					▶																			

OOI Integrated Master Schedule

ID	WBS	Task Name	Start	Finish	2008				2009				2010				2011				2012				2013							
					Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
103	1.4.2.2.2.14.2	Bottom Pressure Sensor	Thu 1/1/09	Thu 12/31/09																												
104	1.4.2.2.2.14.3	Hydrophone	Thu 1/1/09	Thu 12/31/09																												
105	1.4.2.2.2.14.4	Broadband Seismometer	Thu 1/1/09	Thu 12/31/09																												
106	1.4.2.2.2.14.5	Surface Layer Core Instrument	Thu 1/1/09	Thu 12/31/09																												
107	1.4.2.2.2.14.6	Mid Level Core Instrument	Thu 1/1/09	Thu 12/31/09																												
108	1.4.2.2.2.14.7	Bottom Level Core Instrument	Thu 1/1/09	Thu 12/31/09																												
109	1.4.2.2.3	Integration and Test Planning	Thu 1/1/09	Thu 12/31/09																												
110	1.4.2.2.3.1	System Test Plan	Thu 1/1/09	Thu 12/31/09																												
111	1.4.2.2.3.2	System Simulator for Pre-Installation Testing Test Plan	Thu 1/1/09	Thu 12/31/09																												
112	1.4.2.2.3.3	Primary and Secondary Node Test Plan	Thu 1/1/09	Thu 12/31/09																												
113	1.4.2.2.3.4	LV Node Test Plan	Thu 1/1/09	Thu 12/31/09																												
114	1.4.2.2.3.5	Extension Cables including Terminations Test Plan	Thu 1/1/09	Thu 12/31/09																												
115	1.4.2.2.3.6	Vertical Mooring Test Plan	Thu 1/1/09	Thu 12/31/09																												
116	1.4.2.2.3.7	Winch and Profiler Test Plan	Thu 1/1/09	Thu 12/31/09																												
117	1.4.2.2.3.8	J-Box Test Plan	Thu 1/1/09	Thu 12/31/09																												
118	1.4.2.2.3.9	Shore Station Test Plan	Thu 1/1/09	Thu 12/31/09																												
119	1.4.2.2.3.10	Network Management System Test Plan	Thu 1/1/09	Thu 12/31/09																												

OOI Integrated Master Schedule

ID	WBS	Task Name	Start	Finish	2008				2009				2010				2011				2012				2013							
					Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
120	1.4.2.2.3.11	Back Haul Test Plan	Thu 1/1/09	Thu 12/31/09																												
121	1.4.2.2.4	Interface Agreements	Thu 1/1/09	Thu 12/31/09																												
122	1.4.2.2.4.1	Cyberinfrastructure Interface Agreements	Thu 1/1/09	Thu 12/31/09																												
123	1.4.2.2.4.2	Coastal/Global Observatories Interface Agreements	Thu 1/1/09	Thu 12/31/09																												
124	1.4.2.2.4.3	Internal Interface Agreements	Thu 1/1/09	Thu 12/31/09																												
125	1.4.2.3	2010 SE Management and Support	Fri 1/1/10	Fri 12/31/10																												
126	1.4.2.3.1	Systems Engineering Oversight / Support	Fri 1/1/10	Fri 12/31/10																												
127	1.4.2.3.2	Requirements Management	Fri 1/1/10	Fri 12/31/10																												
128	1.4.2.3.2.1	System Requirements	Fri 1/1/10	Fri 12/31/10																												
129	1.4.2.3.2.2	System Simulator for Pre-Installation Testing Requirements	Fri 1/1/10	Fri 12/31/10																												
130	1.4.2.3.2.3	Primary and Secondary Node Requirements	Fri 1/1/10	Fri 12/31/10																												
131	1.4.2.3.2.4	LV Node Requirements	Fri 1/1/10	Fri 12/31/10																												
132	1.4.2.3.2.5	Extension Cables including Terminations Requirements	Fri 1/1/10	Fri 12/31/10																												
133	1.4.2.3.2.6	Vertical Mooring Requirements	Fri 1/1/10	Fri 12/31/10																												
134	1.4.2.3.2.7	Winch and Profiler Requirements	Fri 1/1/10	Fri 12/31/10																												
135	1.4.2.3.2.8	J-Box Requirements	Fri 1/1/10	Fri 12/31/10																												
136	1.4.2.3.2.9	Shore Station Requirements	Fri 1/1/10	Fri 12/31/10																												

OOI Integrated Master Schedule

ID	WBS	Task Name	Start	Finish	2008				2009				2010				2011				2012				2013				
					Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
137	1.4.2.3.2.10	Network Management System Test Requirements	Fri 1/1/10	Fri 12/31/10									▶																
138	1.4.2.3.2.11	Back Haul Test Requirements	Fri 1/1/10	Fri 12/31/10									▶																
139	1.4.2.3.2.12	Logistics Depot Requirements	Fri 1/1/10	Fri 12/31/10									▶																
140	1.4.2.3.2.13	Core Instrument Package Requirements	Fri 1/1/10	Fri 12/31/10									▶																
141	1.4.2.3.2.13.1	Current Meter	Fri 1/1/10	Fri 12/31/10									▶																
142	1.4.2.3.2.13.2	Bottom Pressure Sensor	Fri 1/1/10	Fri 12/31/10									▶																
143	1.4.2.3.2.13.3	Hydrophone	Fri 1/1/10	Fri 12/31/10									▶																
144	1.4.2.3.2.13.4	Broadband Seismometer	Fri 1/1/10	Fri 12/31/10									▶																
145	1.4.2.3.2.13.5	Surface Layer Core Instrument	Fri 1/1/10	Fri 12/31/10									▶																
146	1.4.2.3.2.13.6	Mid Level Core Instrument	Fri 1/1/10	Fri 12/31/10									▶																
147	1.4.2.3.2.13.7	Bottom Level Core Instrument	Fri 1/1/10	Fri 12/31/10									▶																
148	1.4.2.3.2.14	Core Instrument Package Test Plan	Fri 1/1/10	Fri 12/31/10									▶																
149	1.4.2.3.2.14.1	Current Meter	Fri 1/1/10	Fri 12/31/10									▶																
150	1.4.2.3.2.14.2	Bottom Pressure Sensor	Fri 1/1/10	Fri 12/31/10									▶																
151	1.4.2.3.2.14.3	Hydrophone	Fri 1/1/10	Fri 12/31/10									▶																
152	1.4.2.3.2.14.4	Broadband Seismometer	Fri 1/1/10	Fri 12/31/10									▶																
153	1.4.2.3.2.14.5	Surface Layer Core Instrument	Fri 1/1/10	Fri 12/31/10									▶																

OOI Integrated Master Schedule

ID	WBS	Task Name	Start	Finish	2008				2009				2010				2011				2012				2013				
					Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
154	1.4.2.3.2.14.6	Mid Level Core Instrument	Fri 1/1/10	Fri 12/31/10									▶																
155	1.4.2.3.2.14.7	Bottom Level Core Instrument	Fri 1/1/10	Fri 12/31/10									▶																
156	1.4.2.3.3	Integration and Test Planning	Fri 1/1/10	Fri 12/31/10									▶																
157	1.4.2.3.3.1	System Test Plan	Fri 1/1/10	Fri 12/31/10									▶																
158	1.4.2.3.3.2	System Simulator for Pre-Installation Testing Test Plan	Fri 1/1/10	Fri 12/31/10									▶																
159	1.4.2.3.3.3	Primary and Secondary Node Test Plan	Fri 1/1/10	Fri 12/31/10									▶																
160	1.4.2.3.3.4	LV Node Test Plan	Fri 1/1/10	Fri 12/31/10									▶																
161	1.4.2.3.3.5	Extension Cables including Terminations Test Plan	Fri 1/1/10	Fri 12/31/10									▶																
162	1.4.2.3.3.6	Vertical Mooring Test Plan	Fri 1/1/10	Fri 12/31/10									▶																
163	1.4.2.3.3.7	Winch and Profiler Test Plan	Fri 1/1/10	Fri 12/31/10									▶																
164	1.4.2.3.3.8	J-Box Test Plan	Fri 1/1/10	Fri 12/31/10									▶																
165	1.4.2.3.3.9	Shore Station Test Plan	Fri 1/1/10	Fri 12/31/10									▶																
166	1.4.2.3.3.10	Network Management System Test Plan	Fri 1/1/10	Fri 12/31/10									▶																
167	1.4.2.3.3.11	Back Haul Test Plan	Fri 1/1/10	Fri 12/31/10									▶																
168	1.4.2.3.4	Interface Agreements	Fri 1/1/10	Fri 12/31/10									▶																
169	1.4.2.3.4.1	Cyberinfrastructure Interface Agreements	Fri 1/1/10	Fri 12/31/10									▶																
170	1.4.2.3.4.2	Coastal/Global Observatories Interface Agreements	Fri 1/1/10	Fri 12/31/10									▶																

OOI Integrated Master Schedule

ID	WBS	Task Name	Start	Finish	2008				2009				2010				2011				2012				2013							
					Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
171	1.4.2.3.4.3	Internal Interface Agreements	Fri 1/1/10	Fri 12/31/10																												
172	1.4.2.4	2011 SE Management and Support	Mon 1/3/11	Fri 12/30/11																												
173	1.4.2.4.1	Systems Engineering Oversight / Support	Mon 1/3/11	Fri 12/30/11																												
174	1.4.2.4.2	Requirements Management	Mon 1/3/11	Fri 12/30/11																												
175	1.4.2.4.2.1	System Requirements	Mon 1/3/11	Fri 12/30/11																												
176	1.4.2.4.2.2	System Simulator for Pre-Installation Testing Requirements	Mon 1/3/11	Fri 12/30/11																												
177	1.4.2.4.2.3	Primary and Secondary Node Requirements	Mon 1/3/11	Fri 12/30/11																												
178	1.4.2.4.2.4	LV Node Requirements	Mon 1/3/11	Fri 12/30/11																												
179	1.4.2.4.2.5	Extension Cables including Terminations Requirements	Mon 1/3/11	Fri 12/30/11																												
180	1.4.2.4.2.6	Vertical Mooring Requirements	Mon 1/3/11	Fri 12/30/11																												
181	1.4.2.4.2.7	Winch and Profiler Requirements	Mon 1/3/11	Fri 12/30/11																												
182	1.4.2.4.2.8	J-Box Requirements	Mon 1/3/11	Fri 12/30/11																												
183	1.4.2.4.2.9	Shore Station Requirements	Mon 1/3/11	Fri 12/30/11																												
184	1.4.2.4.2.10	Network Management System Test Requirements	Mon 1/3/11	Fri 12/30/11																												
185	1.4.2.4.2.11	Back Haul Test Requirements	Mon 1/3/11	Fri 12/30/11																												
186	1.4.2.4.2.12	Logistics Depot Requirements	Mon 1/3/11	Fri 12/30/11																												
187	1.4.2.4.2.13	Core Instrument Package Requirements	Mon 1/3/11	Fri 12/30/11																												

OOI Integrated Master Schedule

ID	WBS	Task Name	Start	Finish	2008				2009				2010				2011				2012				2013							
					Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
188	1.4.2.4.2.13.1	Current Meter	Mon 1/3/11	Fri 12/30/11																												
189	1.4.2.4.2.13.2	Bottom Pressure Sensor	Mon 1/3/11	Fri 12/30/11																												
190	1.4.2.4.2.13.3	Hydrophone	Mon 1/3/11	Fri 12/30/11																												
191	1.4.2.4.2.13.4	Broadband Seismometer	Mon 1/3/11	Fri 12/30/11																												
192	1.4.2.4.2.13.5	Surface Layer Core Instrument	Mon 1/3/11	Fri 12/30/11																												
193	1.4.2.4.2.13.6	Mid Level Core Instrument	Mon 1/3/11	Fri 12/30/11																												
194	1.4.2.4.2.13.7	Bottom Level Core Instrument	Mon 1/3/11	Fri 12/30/11																												
195	1.4.2.4.2.14	Core Instrument Package Test Plan	Mon 1/3/11	Fri 12/30/11																												
196	1.4.2.4.2.14.1	Current Meter	Mon 1/3/11	Fri 12/30/11																												
197	1.4.2.4.2.14.2	Bottom Pressure Sensor	Mon 1/3/11	Fri 12/30/11																												
198	1.4.2.4.2.14.3	Hydrophone	Mon 1/3/11	Fri 12/30/11																												
199	1.4.2.4.2.14.4	Broadband Seismometer	Mon 1/3/11	Fri 12/30/11																												
200	1.4.2.4.2.14.5	Surface Layer Core Instrument	Mon 1/3/11	Fri 12/30/11																												
201	1.4.2.4.2.14.6	Mid Level Core Instrument	Mon 1/3/11	Fri 12/30/11																												
202	1.4.2.4.2.14.7	Bottom Level Core Instrument	Mon 1/3/11	Fri 12/30/11																												
203	1.4.2.4.3	Integration and Test Planning	Mon 1/3/11	Fri 12/30/11																												
204	1.4.2.4.3.1	System Test Plan	Mon 1/3/11	Fri 12/30/11																												

OOI Integrated Master Schedule

ID	WBS	Task Name	Start	Finish	2008				2009				2010				2011				2012				2013					
					Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	
205	1.4.2.4.3.2	System Simulator for Pre-Installation Testing Test Plan	Mon 1/3/11	Fri 12/30/11															▶	▨										
206	1.4.2.4.3.3	Primary and Secondary Node Test Plan	Mon 1/3/11	Fri 12/30/11															▶	▨										
207	1.4.2.4.3.4	LV Node Test Plan	Mon 1/3/11	Fri 12/30/11															▶	▨										
208	1.4.2.4.3.5	Extension Cables including Terminations Test Plan	Mon 1/3/11	Fri 12/30/11															▶	▨										
209	1.4.2.4.3.6	Vertical Mooring Test Plan	Mon 1/3/11	Fri 12/30/11															▶	▨										
210	1.4.2.4.3.7	Winch and ProfilerTest Plan	Mon 1/3/11	Fri 12/30/11															▶	▨										
211	1.4.2.4.3.8	J-BoxTest Plan	Mon 1/3/11	Fri 12/30/11															▶	▨										
212	1.4.2.4.3.9	Shore Station Test Plan	Mon 1/3/11	Fri 12/30/11															▶	▨										
213	1.4.2.4.3.10	Network Management System Test Plan	Mon 1/3/11	Fri 12/30/11															▶	▨										
214	1.4.2.4.3.11	Back Haul Test Plan	Mon 1/3/11	Fri 12/30/11															▶	▨										
215	1.4.2.4.4	Interface Agreements	Mon 1/3/11	Fri 12/30/11															▶	▨										
216	1.4.2.4.4.1	Cyberinfrastructure Interface Agreements	Mon 1/3/11	Fri 12/30/11															▶	▨										
217	1.4.2.4.4.2	Coastal/Global Observatories Interface Agreements	Mon 1/3/11	Fri 12/30/11															▶	▨										
218	1.4.2.4.4.3	Internal Interface Agreements	Mon 1/3/11	Fri 12/30/11															▶	▨										
219	1.4.2.5	2012 SE Management and Support	Mon 1/2/12	Mon 12/31/12																						▨				
220	1.4.2.5.1	Systems Engineering Oversight / Support	Mon 1/2/12	Mon 12/31/12																										
221	1.4.2.5.2	Requirements Management	Mon 1/2/12	Mon 12/31/12																						▨				

OOI Integrated Master Schedule

ID	WBS	Task Name	Start	Finish	2008				2009				2010				2011				2012				2013							
					Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
222	1.4.2.5.2.1	System Requirements	Mon 1/2/12	Mon 12/31/12																												
223	1.4.2.5.2.2	System Simulator for Pre-Installation Testing Requirements	Mon 1/2/12	Mon 12/31/12																												
224	1.4.2.5.2.3	Primary and Secondary Node Requirements	Mon 1/2/12	Mon 12/31/12																												
225	1.4.2.5.2.4	LV Node Requirements	Mon 1/2/12	Mon 12/31/12																												
226	1.4.2.5.2.5	Extension Cables including Terminations Requirements	Mon 1/2/12	Mon 12/31/12																												
227	1.4.2.5.2.6	Vertical Mooring Requirements	Mon 1/2/12	Mon 12/31/12																												
228	1.4.2.5.2.7	Winch and Profiler Requirements	Mon 1/2/12	Mon 12/31/12																												
229	1.4.2.5.2.8	J-Box Requirements	Mon 1/2/12	Mon 12/31/12																												
230	1.4.2.5.2.9	Shore Station Requirements	Mon 1/2/12	Mon 12/31/12																												
231	1.4.2.5.2.10	Network Management System Test Requirements	Mon 1/2/12	Mon 12/31/12																												
232	1.4.2.5.2.11	Back Haul Test Requirements	Mon 1/2/12	Mon 12/31/12																												
233	1.4.2.5.2.12	Logistics Depot Requirements	Mon 1/2/12	Mon 12/31/12																												
234	1.4.2.5.2.13	Core Instrument Package Requirements	Mon 1/2/12	Mon 12/31/12																												
235	1.4.2.5.2.13.1	Current Meter	Mon 1/2/12	Mon 12/31/12																												
236	1.4.2.5.2.13.2	Bottom Pressure Sensor	Mon 1/2/12	Mon 12/31/12																												
237	1.4.2.5.2.13.3	Hydrophone	Mon 1/2/12	Mon 12/31/12																												
238	1.4.2.5.2.13.4	Broadband Seismometer	Mon 1/2/12	Mon 12/31/12																												

OOI Integrated Master Schedule

ID	WBS	Task Name	Start	Finish	2008				2009				2010				2011				2012				2013							
					Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
290	1.4.2.6.2.14.1	Current Meter	Tue 1/1/13	Fri 6/28/13																												
291	1.4.2.6.2.14.2	Bottom Pressure Sensor	Tue 1/1/13	Fri 6/28/13																												
292	1.4.2.6.2.14.3	Hydrophone	Tue 1/1/13	Fri 6/28/13																												
293	1.4.2.6.2.14.4	Broadband Seismometer	Tue 1/1/13	Fri 6/28/13																												
294	1.4.2.6.2.14.5	Surface Layer Core Instrument	Tue 1/1/13	Fri 6/28/13																												
295	1.4.2.6.2.14.6	Mid Level Core Instrument	Tue 1/1/13	Fri 6/28/13																												
296	1.4.2.6.2.14.7	Bottom Level Core Instrument	Tue 1/1/13	Fri 6/28/13																												
297	1.4.2.6.3	Integration and Test Planning	Tue 1/1/13	Fri 6/28/13																												
298	1.4.2.6.3.1	System Test Plan	Tue 1/1/13	Fri 6/28/13																												
299	1.4.2.6.3.2	System Simulator for Pre-Installation Testing Test Plan	Tue 1/1/13	Fri 6/28/13																												
300	1.4.2.6.3.3	Primary and Secondary Node Test Plan	Tue 1/1/13	Fri 6/28/13																												
301	1.4.2.6.3.4	LV Node Test Plan	Tue 1/1/13	Fri 6/28/13																												
302	1.4.2.6.3.5	Extension Cables including Terminations Test Plan	Tue 1/1/13	Fri 6/28/13																												
303	1.4.2.6.3.6	Vertical Mooring Test Plan	Tue 1/1/13	Fri 6/28/13																												
304	1.4.2.6.3.7	Winch and Profiler Test Plan	Tue 1/1/13	Fri 6/28/13																												
305	1.4.2.6.3.8	J-Box Test Plan	Tue 1/1/13	Fri 6/28/13																												
306	1.4.2.6.3.9	Shore Station Test Plan	Tue 1/1/13	Fri 6/28/13																												

OOI Integrated Master Schedule

ID	WBS	Task Name	Start	Finish	2008				2009				2010				2011				2012				2013							
					Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
307	1.4.2.6.3.10	Network Management System Test Plan	Tue 1/1/13	Fri 6/28/13																												
308	1.4.2.6.3.11	Back Haul Test Plan	Tue 1/1/13	Fri 6/28/13																												
309	1.4.2.6.4	Interface Agreements	Tue 1/1/13	Fri 6/28/13																												
310	1.4.2.6.4.1	Cyberinfrastructure Interface Agreements	Tue 1/1/13	Fri 6/28/13																												
311	1.4.2.6.4.2	Coastal/Global Observatories Interface Agreements	Tue 1/1/13	Fri 6/28/13																												
312	1.4.2.6.4.3	Internal Interface Agreements	Tue 1/1/13	Fri 6/28/13																												
313	1.4.3	Subsystem Development	Tue 7/1/08	Mon 8/13/12																												
314	1.4.3.1	Element Management System	Tue 11/4/08	Mon 5/16/11																												
315	1.4.3.1.1	Develop interface with Submarine Wet Plant Supplier NMS	Tue 11/4/08	Mon 1/26/09																												
316	1.4.3.1.2	Integration and check-out	Tue 1/27/09	Mon 6/14/10																												
317	1.4.3.1.3		Tue 6/15/10	Mon 11/29/10																												
318	1.4.3.1.4	Installation and check-out on Submarine wet plant NMS	Tue 11/30/10	Mon 5/16/11																												
319	1.4.3.2	Primary and Secondary Nodes Development	Tue 11/4/08	Mon 11/22/10																												
320	1.4.3.2.1	Preliminary Design	Tue 11/4/08	Mon 6/22/09																												
321	1.4.3.2.1.1	additional detail to be added including entrance criteria	Tue 11/4/08	Mon 6/15/09																												
322	1.4.3.2.1.2	Preliminary Design Review	Tue 6/16/09	Mon 6/22/09																												
323	1.4.3.2.2	Final Design and Development	Tue 6/23/09	Mon 2/8/10																												

OOI Integrated Master Schedule

ID	WBS	Task Name	Start	Finish	2008				2009				2010				2011				2012				2013							
					Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
324	1.4.3.2.2.1	additional detial to be added including entrance criteria	Tue 6/23/09	Mon 2/1/10																												
325	1.4.3.2.2.2	Test Readiness Review	Tue 2/2/10	Mon 2/8/10																												
326	1.4.3.2.3	Assembly Testing	Tue 2/9/10	Mon 5/10/10																												
327	1.4.3.2.3.1	additional detial to be added including entrance criteria	Tue 2/9/10	Mon 5/3/10																												
328	1.4.3.2.3.2	Production Readiness Review	Tue 5/4/10	Mon 5/10/10																												
329	1.4.3.2.4	Production	Tue 5/11/10	Mon 11/22/10																												
330	1.4.3.2.4.1	Produce First Article	Tue 5/11/10	Mon 10/25/10																												
331	1.4.3.2.4.2	First Article Review	Tue 10/26/10	Mon 11/22/10																												
332	1.4.3.3	LV Nodes Development	Wed 7/1/09	Tue 12/21/10																												
333	1.4.3.3.1	Preliminary Design	Wed 7/1/09	Tue 12/22/09																												
334	1.4.3.3.1.1	Prototype Design	Wed 7/1/09	Tue 12/15/09																												
335	1.4.3.3.1.2	Preliminary Design Review	Wed 12/16/09	Tue 12/22/09																												
336	1.4.3.3.2	Final Design and Development	Wed 12/23/09	Tue 6/15/10																												
337	1.4.3.3.2.1	Develop Prototype	Wed 12/23/09	Tue 6/8/10																												
338	1.4.3.3.2.2	Test Readiness Review	Wed 6/9/10	Tue 6/15/10																												
339	1.4.3.3.3	Assembly Testing	Wed 6/16/10	Tue 7/27/10																												
340	1.4.3.3.3.1	Complete Documentation Package	Wed 6/16/10	Tue 7/13/10																												

OOI Integrated Master Schedule

ID	WBS	Task Name	Start	Finish	2008				2009				2010				2011				2012				2013							
					Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
375	1.4.3.6.2	Final Design and Development	Thu 3/25/10	Wed 8/11/10																												
376	1.4.3.6.2.1	Develop Prototype	Thu 3/25/10	Wed 7/14/10																												
377	1.4.3.6.2.2	Test Readiness Review	Thu 7/15/10	Wed 8/11/10																												
378	1.4.3.6.3	Assembly Testing	Thu 8/12/10	Wed 9/22/10																												
379	1.4.3.6.3.1	Complete Documentation Package	Thu 8/12/10	Wed 9/8/10																												
380	1.4.3.6.3.2	Production Readiness Review	Thu 9/9/10	Wed 9/22/10																												
381	1.4.3.6.4	Production	Thu 9/23/10	Wed 2/9/11																												
382	1.4.3.6.4.1	Produce First Article	Thu 9/23/10	Wed 1/12/11																												
383	1.4.3.6.4.2	First Article Review	Thu 1/13/11	Wed 2/9/11																												
384	1.4.3.7	J-Boxes Development	Wed 7/1/09	Tue 12/28/10																												
385	1.4.3.7.1	Preliminary Design	Wed 7/1/09	Tue 1/19/10																												
386	1.4.3.7.1.1	Prototype Design	Wed 7/1/09	Tue 1/12/10																												
387	1.4.3.7.1.2	Preliminary Design Review	Wed 1/13/10	Tue 1/19/10																												
388	1.4.3.7.2	Final Design and Development	Wed 1/20/10	Tue 6/22/10																												
389	1.4.3.7.2.1	Develop Prototype	Wed 1/20/10	Tue 6/8/10																												
390	1.4.3.7.2.2	Test Readiness Review	Wed 6/9/10	Tue 6/22/10																												
391	1.4.3.7.3	Assembly Testing	Wed 6/23/10	Tue 8/3/10																												

OOI Integrated Master Schedule

ID	WBS	Task Name	Start	Finish	2008				2009				2010				2011				2012				2013												
					Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4								
392	1.4.3.7.3.1	Complete Documentation Package	Wed 6/23/10	Tue 7/20/10																																	
393	1.4.3.7.3.2	Production Readiness Review	Wed 7/21/10	Tue 8/3/10																																	
394	1.4.3.7.4	Production	Wed 8/4/10	Tue 12/28/10																																	
395	1.4.3.7.4.1	Produce First Article	Wed 8/4/10	Tue 12/21/10																																	
396	1.4.3.7.4.2	First Article Review	Wed 12/22/10	Tue 12/28/10																																	
397	1.4.3.8	Shore Station Development	Tue 7/1/08	Fri 7/4/08																																	
398	1.4.3.8.1	National Security System Interface	Tue 7/1/08	Fri 7/4/08																																	
399	1.4.3.8.1.1	additional detail to be added including entrance criteria	Tue 7/1/08	Tue 7/1/08																																	
400	1.4.3.8.1.2	Formal Design Review with Navy	Wed 7/2/08	Wed 7/2/08																																	
401	1.4.3.8.1.3	Build	Thu 7/3/08	Thu 7/3/08																																	
402	1.4.3.8.1.4	Test	Fri 7/4/08	Fri 7/4/08																																	
403	1.4.3.9	Core Instrument Packages Development	Wed 7/1/09	Thu 1/13/11																																	
404	1.4.3.9.1	Current Meter	Wed 7/1/09	Thu 11/19/09																																	
405	1.4.3.9.1.1	Source Selection	Wed 7/1/09	Tue 11/17/09																																	
406	1.4.3.9.1.1.1	RFP	Wed 7/1/09	Tue 9/22/09																																	
407	1.4.3.9.1.1.2	Evaluation of Vendors/ final source selection	Wed 9/23/09	Tue 10/20/09																																	
408	1.4.3.9.1.1.3	purchase order released	Wed 10/21/09	Tue 11/17/09																																	

OOI Integrated Master Schedule

ID	WBS	Task Name	Start	Finish	2008				2009				2010				2011				2012				2013							
					Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
409	1.4.3.9.1.2	Qualification program	Wed 11/18/09	Thu 11/19/09																												
410	1.4.3.9.1.2.1	additional detail to be added including entrance criteria	Wed 11/18/09	Wed 11/18/09																												
411	1.4.3.9.1.2.2	Production Readiness Review	Thu 11/19/09	Thu 11/19/09																												
412	1.4.3.9.2	Bottom Pressure Sensor	Wed 9/23/09	Thu 2/11/10																												
413	1.4.3.9.2.1	Source Selection	Wed 9/23/09	Tue 2/9/10																												
414	1.4.3.9.2.1.1	RFP	Wed 9/23/09	Tue 12/15/09																												
415	1.4.3.9.2.1.2	Evaluation of Vendors/ final source selection	Wed 12/16/09	Tue 1/12/10																												
416	1.4.3.9.2.1.3	purchase order released	Wed 1/13/10	Tue 2/9/10																												
417	1.4.3.9.2.2	Qualification program	Wed 2/10/10	Thu 2/11/10																												
418	1.4.3.9.2.2.1	additional detail to be added including entrance criteria	Wed 2/10/10	Wed 2/10/10																												
419	1.4.3.9.2.2.2	Production Readiness Review	Thu 2/11/10	Thu 2/11/10																												
420	1.4.3.9.3	Hydrophone	Wed 12/16/09	Thu 4/8/10																												
421	1.4.3.9.3.1	Source Selection	Wed 12/16/09	Tue 4/6/10																												
422	1.4.3.9.3.1.1	RFP	Wed 12/16/09	Tue 2/9/10																												
423	1.4.3.9.3.1.2	Evaluation of Vendors/ final source selection	Wed 2/10/10	Tue 3/9/10																												
424	1.4.3.9.3.1.3	purchase order released	Wed 3/10/10	Tue 4/6/10																												
425	1.4.3.9.3.2	Qualification program	Wed 4/7/10	Thu 4/8/10																												

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ID	WBS	Task Name	Start	Finish	2008				2009				2010				2011				2012				2013							
					Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4			
426	1.4.3.9.3.2.1	additional detail to be added including entrance criteria	Wed 4/7/10	Wed 4/7/10																												
427	1.4.3.9.3.2.2	Production Readiness Review	Thu 4/8/10	Thu 4/8/10																												
428	1.4.3.9.4	Broadband Seismometer	Wed 2/10/10	Thu 6/3/10																												
429	1.4.3.9.4.1	Source Selection	Wed 2/10/10	Tue 6/1/10																												
430	1.4.3.9.4.1.1	RFP	Wed 2/10/10	Tue 4/6/10																												
431	1.4.3.9.4.1.2	Evaluation of Vendors/ final source selection	Wed 4/7/10	Tue 5/4/10																												
432	1.4.3.9.4.1.3	purchase order released	Wed 5/5/10	Tue 6/1/10																												
433	1.4.3.9.4.2	Qualification program	Wed 6/2/10	Thu 6/3/10																												
434	1.4.3.9.4.2.1	additional detail to be added including entrance criteria	Wed 6/2/10	Wed 6/2/10																												
435	1.4.3.9.4.2.2	Production Readiness Review	Thu 6/3/10	Thu 6/3/10																												
436	1.4.3.9.5	Surface Layer Core Instrument	Wed 4/7/10	Thu 7/29/10																												
437	1.4.3.9.5.1	Source Selection	Wed 4/7/10	Tue 7/27/10																												
438	1.4.3.9.5.1.1	RFP	Wed 4/7/10	Tue 6/1/10																												
439	1.4.3.9.5.1.2	Evaluation of Vendors/ final source selection	Wed 6/2/10	Tue 6/29/10																												
440	1.4.3.9.5.1.3	purchase order released	Wed 6/30/10	Tue 7/27/10																												
441	1.4.3.9.5.2	Qualification program	Wed 7/28/10	Thu 7/29/10																												
442	1.4.3.9.5.2.1	additional detail to be added including entrance criteria	Wed 7/28/10	Wed 7/28/10																												

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ID	WBS	Task Name	Start	Finish	2008				2009				2010				2011				2012				2013							
					Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
477	1.4.4.1.1.1	Station Requirement document	Wed 10/1/08	Tue 12/23/08																												
478	1.4.4.1.1.2	Lease Agreement	Wed 12/24/08	Tue 2/17/09																												
479	1.4.4.1.1.3	Facility Improvements	Wed 2/18/09	Tue 8/4/09																												
480	1.4.4.1.1.4	Ready for Equipment Installation	Tue 8/4/09	Tue 8/4/09																												
481	1.4.4.1.2	Beach Landing	Wed 2/18/09	Tue 7/6/10																												
482	1.4.4.1.2.1	Permit	Wed 2/18/09	Tue 1/19/10																												
483	1.4.4.1.2.2	Beach Manhole	Wed 1/20/10	Tue 7/6/10																												
484	1.4.4.1.2.3	Bore Pipe(s)	Wed 1/20/10	Tue 7/6/10																												
485	1.4.4.1.2.4	Conduit to Cable Station	Wed 1/20/10	Tue 7/6/10																												
486	1.4.4.1.2.5	Land Cable	Wed 1/20/10	Tue 7/6/10																												
487	1.4.4.1.2.6	Ready for Marine Installation by Submarine Cable Supplier	Tue 7/6/10	Tue 7/6/10																												
488	1.4.4.1.3	Shore Station Equipment	Wed 12/24/08	Tue 4/28/09																												
489	1.4.4.1.3.1	48 V Battery Plant	Wed 12/24/08	Tue 3/17/09																												
490	1.4.4.1.3.2	New Back-up Generator(s), if required	Wed 12/24/08	Tue 3/17/09																												
491	1.4.4.1.3.3	Equipment supplied with submarine cable installed	Wed 12/24/08	Tue 4/28/09																												
492	1.4.4.1.3.4	Data Buffer	Wed 12/24/08	Wed 12/24/08																												
493	1.4.4.1.3.5	National Security System	Wed 12/24/08	Wed 12/24/08																												

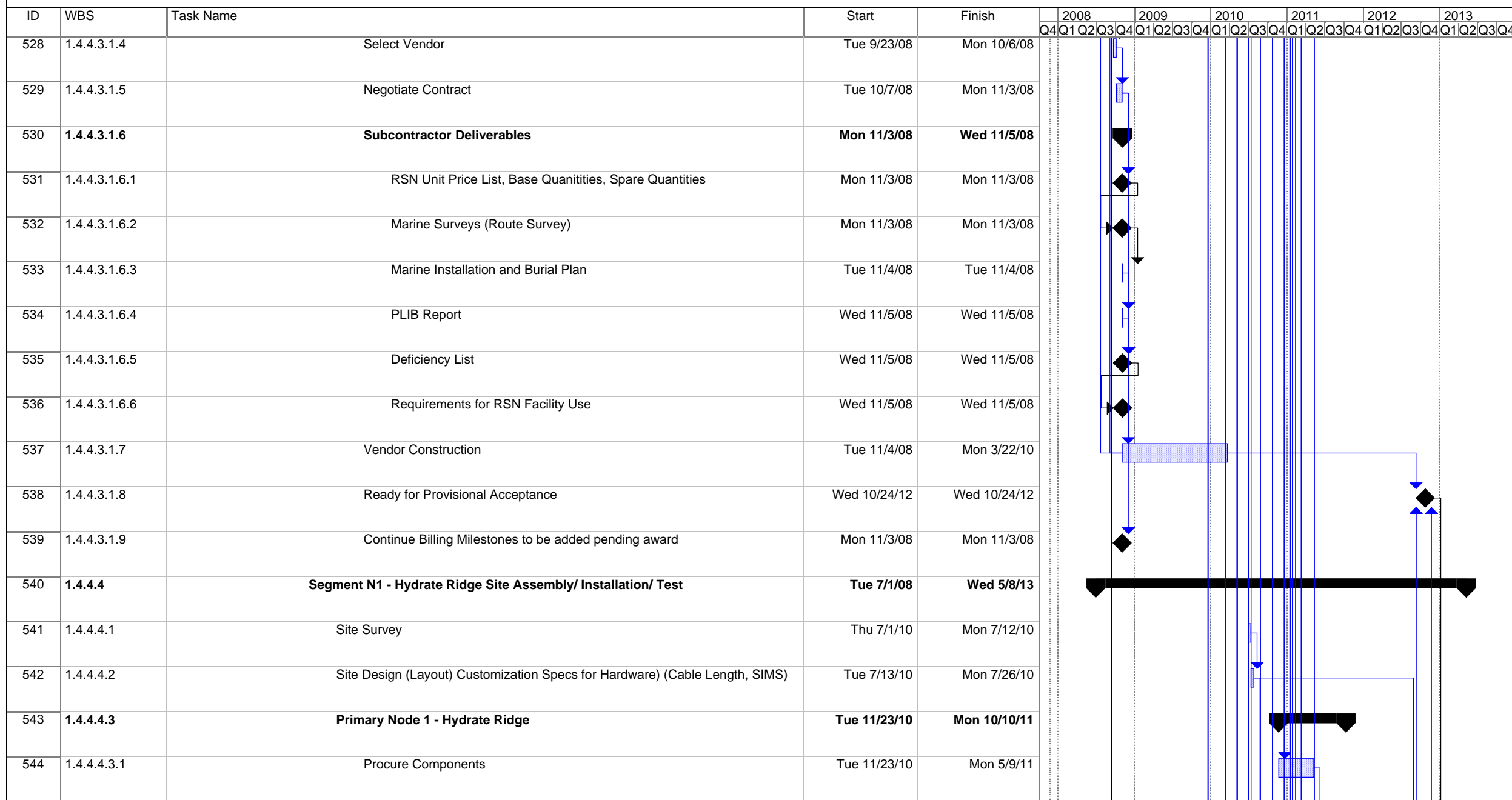
OOI Integrated Master Schedule

ID	WBS	Task Name	Start	Finish	2008				2009				2010				2011				2012				2013							
					Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
494	1.4.4.1.3.6	Optical Distribution Frame	Wed 12/24/08	Tue 1/13/09																												
495	1.4.4.1.4	Link to Internet POP	Thu 1/1/09	Wed 4/7/10																												
496	1.4.4.1.4.1	Link Requirement document	Thu 1/1/09	Wed 3/25/09																												
497	1.4.4.1.4.2	Lease/Purchase Agreement	Thu 3/26/09	Wed 12/2/09																												
498	1.4.4.1.4.3	Ready for Communication	Thu 12/3/09	Wed 4/7/10																												
499	1.4.4.2	Warrenton Oregon Shore Facilities Installation	Wed 10/1/08	Tue 7/6/10																												
500	1.4.4.2.1	Shore Station	Wed 10/1/08	Tue 5/12/09																												
501	1.4.4.2.1.1	Station Requirement document	Wed 10/1/08	Tue 12/23/08																												
502	1.4.4.2.1.2	Lease Agreement	Wed 12/24/08	Tue 2/17/09																												
503	1.4.4.2.1.3	Facility Improvements	Wed 2/18/09	Tue 5/12/09																												
504	1.4.4.2.1.4	Ready for Equipment Installation	Tue 5/12/09	Tue 5/12/09																												
505	1.4.4.2.2	Beach Landing	Wed 2/18/09	Tue 7/6/10																												
506	1.4.4.2.2.1	Permit	Wed 2/18/09	Tue 1/19/10																												
507	1.4.4.2.2.2	Beach Manhole	Wed 1/20/10	Tue 2/16/10																												
508	1.4.4.2.2.3	Bore Pipe(s)	Wed 1/20/10	Tue 3/16/10																												
509	1.4.4.2.2.4	Conduit to Cable Station	Wed 1/20/10	Tue 2/2/10																												
510	1.4.4.2.2.5	Land Cable	Wed 1/20/10	Tue 7/6/10																												

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ID	WBS	Task Name	Start	Finish	2008	2009	2010	2011	2012	2013									
					Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
511	1.4.4.2.2.6	Ready for Marine Installation by Submarine Cable Supplier	Tue 7/6/10	Tue 7/6/10															
512	1.4.4.2.3	Shore Station Equipment	Wed 2/18/09	Tue 5/12/09															
513	1.4.4.2.3.1	48 V Battery Plant	Wed 2/18/09	Tue 5/12/09															
514	1.4.4.2.3.2	New Back-up Generator(s), if required	Wed 2/18/09	Tue 5/12/09															
515	1.4.4.2.3.3	Equipment supplied with submarine cable installed	Wed 2/18/09	Tue 3/31/09															
516	1.4.4.2.3.4	Data Buffer	Wed 2/18/09	Wed 2/18/09															
517	1.4.4.2.3.5	National Security System	Wed 2/18/09	Wed 2/18/09															
518	1.4.4.2.3.6	Optical Distribution Frame	Wed 2/18/09	Tue 2/24/09															
519	1.4.4.2.4	Link to Internet POP	Thu 1/1/09	Tue 3/2/10															
520	1.4.4.2.4.1	Link Requirement document	Thu 1/1/09	Wed 3/25/09															
521	1.4.4.2.4.2	Lease/Purchase Agreement	Wed 2/18/09	Tue 10/27/09															
522	1.4.4.2.4.3	Ready for Communication	Wed 10/28/09	Tue 3/2/10															
523	1.4.4.3	Submarine Cable System Subcontract Installation	Tue 7/1/08	Wed 10/24/12															
524	1.4.4.3.1	Submarine Cable System Subcontract for all segments	Tue 7/1/08	Wed 10/24/12															
525	1.4.4.3.1.1	Develop RFP	Tue 7/1/08	Mon 7/28/08															
526	1.4.4.3.1.2	Issue RFP	Tue 7/29/08	Mon 8/25/08															
527	1.4.4.3.1.3	Review Proposals	Tue 8/26/08	Mon 9/22/08															

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ID	WBS	Task Name	Start	Finish	2008	2009	2010	2011	2012	2013		
					Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
545	1.4.4.4.3.2	Assembly Components	Tue 5/10/11	Mon 8/1/11								
546	1.4.4.4.3.3	Testing prior to final assembly	Tue 8/2/11	Mon 8/15/11								
547	1.4.4.4.3.4	Final assembly	Tue 8/16/11	Mon 9/12/11								
548	1.4.4.4.3.5	Final assembly test and acceptance for operation	Tue 9/13/11	Mon 10/10/11								
549	1.4.4.4.4	Secondary Nodes (2) 1A and 1B - Hydrate Ridge	Tue 11/23/10	Mon 10/10/11								
550	1.4.4.4.4.1	Procure Components	Tue 11/23/10	Mon 5/9/11								
551	1.4.4.4.4.2	Assembly Components	Tue 5/10/11	Mon 8/1/11								
552	1.4.4.4.4.3	Testing prior to final assembly	Tue 8/2/11	Mon 8/15/11								
553	1.4.4.4.4.4	Final assembly	Tue 8/16/11	Mon 9/12/11								
554	1.4.4.4.4.5	Final assembly test and acceptance for operation	Tue 9/13/11	Mon 10/10/11								
555	1.4.4.4.4.6	Final assembly test and acceptance for operation	Tue 9/13/11	Mon 10/10/11								
556	1.4.4.4.5	LV Nodes (4) 1A, 1B, 1C, 1D - Hydrate Ridge	Wed 12/22/10	Tue 11/8/11								
557	1.4.4.4.5.1	Procure Components	Wed 12/22/10	Tue 6/7/11								
558	1.4.4.4.5.2	Assembly Components	Wed 6/8/11	Tue 8/30/11								
559	1.4.4.4.5.3	Testing prior to final assembly	Wed 8/31/11	Tue 9/13/11								
560	1.4.4.4.5.4	Final assembly	Wed 9/14/11	Tue 10/11/11								
561	1.4.4.4.5.5	Final assembly test and acceptance for operation - Node 1A	Wed 10/12/11	Tue 11/8/11								

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ID	WBS	Task Name	Start	Finish	2008				2009				2010				2011				2012				2013					
					Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	
562	1.4.4.4.5.6	Final assembly test and acceptance for operation - Node 1B	Wed 10/12/11	Tue 11/8/11																										
563	1.4.4.4.5.7	Final assembly test and acceptance for operation	Wed 10/12/11	Tue 11/8/11																										
564	1.4.4.4.5.8	Final assembly test and acceptance for operation	Wed 10/12/11	Tue 11/8/11																										
565	1.4.4.4.6	J-Box 1A, 1B, 1C - Hydrate Ridge	Wed 12/29/10	Tue 11/15/11																										
566	1.4.4.4.6.1	Procure Components	Wed 12/29/10	Tue 6/14/11																										
567	1.4.4.4.6.2	Assembly Components	Wed 6/15/11	Tue 9/6/11																										
568	1.4.4.4.6.3	Testing prior to final assembly	Wed 9/7/11	Tue 9/20/11																										
569	1.4.4.4.6.4	Final assembly	Wed 9/21/11	Tue 10/18/11																										
570	1.4.4.4.6.5	Final assembly test and acceptance for operation	Wed 10/19/11	Tue 11/15/11																										
571	1.4.4.4.6.6	Final assembly test and acceptance for operation	Wed 10/19/11	Tue 11/15/11																										
572	1.4.4.4.6.7	Final assembly test and acceptance for operation	Wed 10/19/11	Tue 11/15/11																										
573	1.4.4.4.7	WBS Reserved	Wed 12/29/10	Tue 11/15/11																										
574	1.4.4.4.7.1	WBS Reserved	Wed 12/29/10	Tue 6/14/11																										
575	1.4.4.4.7.2	WBS Reserved	Wed 6/15/11	Tue 9/6/11																										
576	1.4.4.4.7.3	WBS Reserved	Wed 9/7/11	Tue 9/20/11																										
577	1.4.4.4.7.4	WBS Reserved	Wed 9/21/11	Tue 10/18/11																										
578	1.4.4.4.7.5	WBS Reserved	Wed 10/19/11	Tue 11/15/11																										

OOI Integrated Master Schedule

ID	WBS	Task Name	Start	Finish	2008				2009				2010				2011				2012				2013							
					Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4			
613	1.4.4.4.13.1.6	post lay cable testing	Fri 8/20/10	Mon 8/23/10																												
614	1.4.4.4.13.1.7	Ready for Provisional Acceptance	Tue 8/24/10	Tue 8/24/10																												
615	1.4.4.4.14	Secondary Infrastructure Installation - Hydrate Ridge Site	Wed 8/29/12	Wed 11/21/12																												
616	1.4.4.4.14.1	mobilizaion of site hardware	Wed 8/29/12	Tue 9/25/12																												
617	1.4.4.4.14.2	hardware layout, cable hookup, start of Commissioning activity	Wed 9/26/12	Tue 10/23/12																												
618	1.4.4.4.14.3	post-lay inspection	Wed 10/24/12	Tue 11/20/12																												
619	1.4.4.4.14.4	de-mobilization	Wed 11/21/12	Wed 11/21/12																												
620	1.4.4.4.15	Commissioning - Hydrate Ridge Site	Thu 11/22/12	Wed 5/8/13																												
621	1.4.4.4.15.1	Commissioning - Infrastructure (non Sensor)	Thu 11/22/12	Wed 5/8/13																												
622	1.4.4.4.15.2	Current Meter 1	Thu 11/22/12	Thu 11/22/12																												
623	1.4.4.4.15.3	Bottom Pressure Sensor 1	Thu 11/22/12	Thu 11/22/12																												
624	1.4.4.4.15.4	Hydrophone 1	Thu 11/22/12	Thu 11/22/12																												
625	1.4.4.4.15.5	Broadband Seismometer 1	Thu 11/22/12	Thu 11/22/12																												
626	1.4.4.4.15.6	Surface Layer Core Instrument 1	Thu 11/22/12	Thu 11/22/12																												
627	1.4.4.4.15.7	Mid Level Core Instrument 1	Thu 11/22/12	Thu 11/22/12																												
628	1.4.4.4.15.8	Bottom Level Core Instrument 1	Thu 11/22/12	Thu 11/22/12																												
629	1.4.4.4.15.9	Site Specific Core Sensors	Thu 11/22/12	Thu 11/22/12																												

OOI Integrated Master Schedule

ID	WBS	Task Name	Start	Finish	2008				2009				2010				2011				2012				2013							
					Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
630	1.4.4.5	Segment N2 - Blanco Site Assembly/ Installation/ Test	Fri 8/1/08	Wed 5/8/13																												
631	1.4.4.5.1	Site Survey	Thu 7/1/10	Wed 7/7/10																												
632	1.4.4.5.2	Site Design (Layout)	Thu 7/8/10	Wed 9/1/10																												
633	1.4.4.5.3	Primary Node 2 - Blanco Site	Tue 11/23/10	Mon 10/10/11																												
634	1.4.4.5.3.1	Procure Components	Tue 11/23/10	Mon 5/9/11																												
635	1.4.4.5.3.2	Assembly Components	Tue 5/10/11	Mon 8/1/11																												
636	1.4.4.5.3.3	Testing prior to final assembly	Tue 8/2/11	Mon 8/15/11																												
637	1.4.4.5.3.4	Final assembly	Tue 8/16/11	Mon 9/12/11																												
638	1.4.4.5.3.5	Final assembly test and acceptance for operation	Tue 9/13/11	Mon 10/10/11																												
639	1.4.4.5.4	LV Nodes (2) 2A and 2B - Blanco Site	Wed 12/22/10	Tue 11/8/11																												
640	1.4.4.5.4.1	Procure all Components	Wed 12/22/10	Tue 6/7/11																												
641	1.4.4.5.4.2	Assemble all Components	Wed 6/8/11	Tue 8/30/11																												
642	1.4.4.5.4.3	Asassembly Testing prior to final assembly	Wed 8/31/11	Tue 9/13/11																												
643	1.4.4.5.4.4	Final assembly	Wed 9/14/11	Tue 10/11/11																												
644	1.4.4.5.4.5	Final assembly test and acceptance for operation - LV Node 2A	Wed 10/12/11	Tue 11/8/11																												
645	1.4.4.5.4.6	Final assembly test and acceptance for operation - LV Node 2A	Wed 10/12/11	Tue 11/8/11																												
646	1.4.4.5.5	J-Box (9) 2A thru 2I - Blanco Site	Wed 12/29/10	Tue 11/15/11																												

OOI Integrated Master Schedule

ID	WBS	Task Name	Start	Finish	2008				2009				2010				2011				2012				2013			
					Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
647	1.4.4.5.5.1	Procure Components	Wed 12/29/10	Tue 6/14/11																								
648	1.4.4.5.5.2	Assembly Components	Wed 6/15/11	Tue 9/6/11																								
649	1.4.4.5.5.3	Testing prior to final assembly	Wed 9/7/11	Tue 9/20/11																								
650	1.4.4.5.5.4	Final assembly	Wed 9/21/11	Tue 10/18/11																								
651	1.4.4.5.5.5	Final assembly test and acceptance for operation	Wed 10/19/11	Tue 11/15/11																								
652	1.4.4.5.5.6	Final assembly test and acceptance for operation	Wed 10/19/11	Tue 11/15/11																								
653	1.4.4.5.5.7	Final assembly test and acceptance for operation	Wed 10/19/11	Tue 11/15/11																								
654	1.4.4.5.5.8	Final assembly test and acceptance for operation	Wed 10/19/11	Tue 11/15/11																								
655	1.4.4.5.5.9	Final assembly test and acceptance for operation	Wed 10/19/11	Tue 11/15/11																								
656	1.4.4.5.5.10	Final assembly test and acceptance for operation	Wed 10/19/11	Tue 11/15/11																								
657	1.4.4.5.5.11	Final assembly test and acceptance for operation	Wed 10/19/11	Tue 11/15/11																								
658	1.4.4.5.5.12	Final assembly test and acceptance for operation	Wed 10/19/11	Tue 11/15/11																								
659	1.4.4.5.5.13	Final assembly test and acceptance for operation	Wed 10/19/11	Tue 11/15/11																								
660	1.4.4.5.6	WBS Reserved	Tue 11/23/10	Tue 11/23/10																								
661	1.4.4.5.6.1	WBS Reserved	Tue 11/23/10	Tue 11/23/10																								
662	1.4.4.5.6.2	WBS Reserved	Tue 11/23/10	Tue 11/23/10																								
663	1.4.4.5.6.3	WBS Reserved	Tue 11/23/10	Tue 11/23/10																								

OOI Integrated Master Schedule

ID	WBS	Task Name	Start	Finish	2008				2009				2010				2011				2012				2013			
					Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
664	1.4.4.5.6.4	WBS Reserved	Tue 11/23/10	Tue 11/23/10																								
665	1.4.4.5.6.5	WBS Reserved	Tue 11/23/10	Tue 11/23/10																								
666	1.4.4.5.7	WBS Reserved	Tue 11/23/10	Tue 11/23/10																								
667	1.4.4.5.7.1	WBS Reserved	Tue 11/23/10	Tue 11/23/10																								
668	1.4.4.5.7.2	WBS Reserved	Tue 11/23/10	Tue 11/23/10																								
669	1.4.4.5.7.3	WBS Reserved	Tue 11/23/10	Tue 11/23/10																								
670	1.4.4.5.7.4	WBS Reserved	Tue 11/23/10	Tue 11/23/10																								
671	1.4.4.5.7.5	WBS Reserved	Tue 11/23/10	Tue 11/23/10																								
672	1.4.4.5.8	Extension Cables	Fri 12/17/10	Thu 5/3/12																								
673	1.4.4.5.8.1	additional detail to be added	Fri 12/17/10	Thu 5/3/12																								
674	1.4.4.5.9	WBS Reserved	Tue 11/23/10	Tue 11/23/10																								
675	1.4.4.5.9.1	WBS Reserved	Tue 11/23/10	Tue 11/23/10																								
676	1.4.4.5.9.2	WBS Reserved	Tue 11/23/10	Tue 11/23/10																								
677	1.4.4.5.9.3	WBS Reserved	Tue 11/23/10	Tue 11/23/10																								
678	1.4.4.5.10	Sensors - Bottom, Blanco Site	Fri 11/20/09	Thu 11/18/10																								
679	1.4.4.5.10.1	Current Meter	Fri 11/20/09	Thu 5/6/10																								
680	1.4.4.5.10.2	Bottom Pressure Sensor 2	Fri 2/12/10	Thu 7/29/10																								

OOI Integrated Master Schedule

ID	WBS	Task Name	Start	Finish	2008	2009	2010	2011	2012	2013		
					Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
681	1.4.4.5.10.3	Hydrophone 2	Fri 4/9/10	Thu 9/23/10								
682	1.4.4.5.10.4	Broadband Seismometer 2	Fri 6/4/10	Thu 11/18/10								
683	1.4.4.5.11	Pre-Installation Integration and Test - Blanco	Wed 12/22/10	Tue 8/28/12								
684	1.4.4.5.11.1	Assembly and Testing of all parts of site prior to Marine Installation	Wed 12/22/10	Tue 8/28/12								
685	1.4.4.5.12	Primary Backbone Installation - Blanco	Fri 8/1/08	Tue 10/5/10								
686	1.4.4.5.12.1	Submarine Cable System Installation	Fri 8/1/08	Tue 10/5/10								
687	1.4.4.5.12.1.1	Pre-mission planning	Fri 8/1/08	Thu 10/23/08								
688	1.4.4.5.12.1.2	Load cable onto vessel	Thu 9/2/10	Mon 9/13/10								
689	1.4.4.5.12.1.3	leave port	Tue 9/14/10	Tue 9/14/10								
690	1.4.4.5.12.1.4	pre-lay cable testing	Wed 9/15/10	Thu 9/16/10								
691	1.4.4.5.12.1.5	lay cable	Fri 9/17/10	Thu 9/30/10								
692	1.4.4.5.12.1.6	post lay cable testing	Fri 10/1/10	Mon 10/4/10								
693	1.4.4.5.12.1.7	Ready for Provisional Acceptance	Tue 10/5/10	Tue 10/5/10								
694	1.4.4.5.13	Secondary Infrastructure Installation - Blanco	Wed 8/29/12	Wed 11/21/12								
695	1.4.4.5.13.1	mobilization of site hardware	Wed 8/29/12	Tue 9/25/12								
696	1.4.4.5.13.2	hardware layout, cable hookup, start of Commissioning activity	Wed 9/26/12	Tue 10/23/12								
697	1.4.4.5.13.3	post-lay inspection	Wed 10/24/12	Tue 11/20/12								

OOI Integrated Master Schedule

ID	WBS	Task Name	Start	Finish	2008				2009				2010				2011				2012				2013														
					Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4										
698	1.4.4.5.13.4	de-mobilization	Wed 11/21/12	Wed 11/21/12																																			
699	1.4.4.5.14	Commissioning - Blanco	Thu 11/22/12	Wed 5/8/13																																			
700	1.4.4.5.14.1	Commissioning - Infrastructure (non Sensor)	Thu 11/22/12	Wed 5/8/13																																			
701	1.4.4.5.14.2	Current Meter 1	Thu 11/22/12	Thu 11/22/12																																			
702	1.4.4.5.14.3	Bottom Pressure Sensor 1	Thu 11/22/12	Thu 11/22/12																																			
703	1.4.4.5.14.4	Hydrophone 1	Thu 11/22/12	Thu 11/22/12																																			
704	1.4.4.5.14.5	Broadband Seismometer 1	Thu 11/22/12	Thu 11/22/12																																			
705	1.4.4.5.14.6	Site Specific Core Sensors	Thu 11/22/12	Thu 11/22/12																																			
706	1.4.4.6	Segment N3 - Axial/ Midplate Sites Assembly/ Installation/ Test	Tue 7/1/08	Wed 5/8/13																																			
707	1.4.4.6.1	Site Survey	Thu 7/1/10	Wed 7/7/10																																			
708	1.4.4.6.2	Site Design (Layout)	Thu 7/8/10	Wed 9/1/10																																			
709	1.4.4.6.3	Primary Node 3 Axial	Tue 11/23/10	Mon 10/10/11																																			
710	1.4.4.6.3.1	Procure Components	Tue 11/23/10	Mon 5/9/11																																			
711	1.4.4.6.3.2	Assembly Components	Tue 5/10/11	Mon 8/1/11																																			
712	1.4.4.6.3.3	Testing prior to final assembly	Tue 8/2/11	Mon 8/15/11																																			
713	1.4.4.6.3.4	Final assembly	Tue 8/16/11	Mon 9/12/11																																			
714	1.4.4.6.3.5	Final assembly test and acceptance for operation	Tue 9/13/11	Mon 10/10/11																																			

OOI Integrated Master Schedule

ID	WBS	Task Name	Start	Finish	2008				2009				2010				2011				2012				2013										
					Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4						
715	1.4.4.6.4	Primary Node 5 Midplate	Tue 11/23/10	Mon 10/10/11																															
716	1.4.4.6.4.1	Procure Components	Tue 11/23/10	Mon 5/9/11																															
717	1.4.4.6.4.2	Assembly Components	Tue 5/10/11	Mon 8/1/11																															
718	1.4.4.6.4.3	Testing prior to final assembly	Tue 8/2/11	Mon 8/15/11																															
719	1.4.4.6.4.4	Final assembly	Tue 8/16/11	Mon 9/12/11																															
720	1.4.4.6.4.5	Final assembly test and acceptance for operation	Tue 9/13/11	Mon 10/10/11																															
721	1.4.4.6.5	Secondary Node 3A Axial	Tue 11/23/10	Mon 10/10/11																															
722	1.4.4.6.5.1	Procure Components	Tue 11/23/10	Mon 5/9/11																															
723	1.4.4.6.5.2	Assembly Components	Tue 5/10/11	Mon 8/1/11																															
724	1.4.4.6.5.3	Testing prior to final assembly	Tue 8/2/11	Mon 8/15/11																															
725	1.4.4.6.5.4	Final assembly	Tue 8/16/11	Mon 9/12/11																															
726	1.4.4.6.5.5	Final assembly test and acceptance for operation	Tue 9/13/11	Mon 10/10/11																															
727	1.4.4.6.6	WBS Reserved	Tue 11/23/10	Tue 11/23/10																															
728	1.4.4.6.6.1	WBS Reserved	Tue 11/23/10	Tue 11/23/10																															
729	1.4.4.6.6.2	WBS Reserved	Tue 11/23/10	Tue 11/23/10																															
730	1.4.4.6.6.3	WBS Reserved	Tue 11/23/10	Tue 11/23/10																															
731	1.4.4.6.6.4	WBS Reserved	Tue 11/23/10	Tue 11/23/10																															

OOI Integrated Master Schedule

ID	WBS	Task Name	Start	Finish	2008				2009				2010				2011				2012				2013							
					Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
732	1.4.4.6.6.5	WBS Reserved	Tue 11/23/10	Tue 11/23/10																												
733	1.4.4.6.7	LV Nodes (7) 3A through 3G - Axial	Wed 12/22/10	Tue 11/8/11																												
734	1.4.4.6.7.1	Procure Components	Wed 12/22/10	Tue 6/7/11																												
735	1.4.4.6.7.2	Assembly Components	Wed 6/8/11	Tue 8/30/11																												
736	1.4.4.6.7.3	Testing prior to final assembly	Wed 8/31/11	Tue 9/13/11																												
737	1.4.4.6.7.4	Final assembly	Wed 9/14/11	Tue 10/11/11																												
738	1.4.4.6.7.5	Final assembly test and acceptance for operation - Node 3A	Wed 10/12/11	Tue 11/8/11																												
739	1.4.4.6.7.6	Final assembly test and acceptance for operation - Node 3B	Wed 10/12/11	Tue 11/8/11																												
740	1.4.4.6.7.7	Final assembly test and acceptance for operation - Node 3C	Wed 10/12/11	Tue 11/8/11																												
741	1.4.4.6.7.8	Final assembly test and acceptance for operation - Node 3D	Wed 10/12/11	Tue 11/8/11																												
742	1.4.4.6.7.9	Final assembly test and acceptance for operation - Node 3E	Wed 10/12/11	Tue 11/8/11																												
743	1.4.4.6.7.10	Final assembly test and acceptance for operation - Node 3F	Wed 10/12/11	Tue 11/8/11																												
744	1.4.4.6.7.11	Final assembly test and acceptance for operation - Node 3G	Wed 10/12/11	Tue 11/8/11																												
745	1.4.4.6.8	LV Nodes (2) 5A and 5B - Midplate	Wed 12/22/10	Tue 11/8/11																												
746	1.4.4.6.8.1	Procure Components	Wed 12/22/10	Tue 6/7/11																												
747	1.4.4.6.8.2	Assembly Components	Wed 6/8/11	Tue 8/30/11																												
748	1.4.4.6.8.3	Testing prior to final assembly	Wed 8/31/11	Tue 9/13/11																												

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ID	WBS	Task Name	Start	Finish	2008				2009				2010				2011				2012				2013							
					Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
749	1.4.4.6.8.4	Final assembly	Wed 9/14/11	Tue 10/11/11																												
750	1.4.4.6.8.5	Final assembly test and acceptance for operation - Node 3A	Wed 10/12/11	Tue 11/8/11																												
751	1.4.4.6.8.6	Final assembly test and acceptance for operation - Node 3A	Wed 10/12/11	Tue 11/8/11																												
752	1.4.4.6.9	J-Box (6) 3A through 3F - Axial	Wed 12/29/10	Tue 11/15/11																												
753	1.4.4.6.9.1	Procure Components	Wed 12/29/10	Tue 6/14/11																												
754	1.4.4.6.9.2	Assembly Components	Wed 6/15/11	Tue 9/6/11																												
755	1.4.4.6.9.3	Testing prior to final assembly	Wed 9/7/11	Tue 9/20/11																												
756	1.4.4.6.9.4	Final assembly	Wed 9/21/11	Tue 10/18/11																												
757	1.4.4.6.9.5	Final assembly test and acceptance for operation	Wed 10/19/11	Tue 11/15/11																												
758	1.4.4.6.9.6	Final assembly test and acceptance for operation	Wed 10/19/11	Tue 11/15/11																												
759	1.4.4.6.9.7	Final assembly test and acceptance for operation	Wed 10/19/11	Tue 11/15/11																												
760	1.4.4.6.9.8	Final assembly test and acceptance for operation	Wed 10/19/11	Tue 11/15/11																												
761	1.4.4.6.9.9	Final assembly test and acceptance for operation	Wed 10/19/11	Tue 11/15/11																												
762	1.4.4.6.9.10	Final assembly test and acceptance for operation	Wed 10/19/11	Tue 11/15/11																												
763	1.4.4.6.10	WBS Reserved	Tue 11/23/10	Tue 11/23/10																												
764	1.4.4.6.10.1	WBS Reserved	Tue 11/23/10	Tue 11/23/10																												
765	1.4.4.6.10.2	WBS Reserved	Tue 11/23/10	Tue 11/23/10																												

OOI Integrated Master Schedule

ID	WBS	Task Name	Start	Finish	2008				2009				2010				2011				2012				2013														
					Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4										
783	1.4.4.6.13.2	WBS Reserved	Tue 11/23/10	Tue 11/23/10																																			
784	1.4.4.6.13.3	WBS Reserved	Tue 11/23/10	Tue 11/23/10																																			
785	1.4.4.6.13.4	WBS Reserved	Tue 11/23/10	Tue 11/23/10																																			
786	1.4.4.6.13.5	WBS Reserved	Tue 11/23/10	Tue 11/23/10																																			
787	1.4.4.6.14	Sensors - Mooring, Axial	Wed 4/7/10	Tue 12/13/11																																			
788	1.4.4.6.14.1	Surface Layer Core Instrument 3	Wed 4/7/10	Tue 8/23/11																																			
789	1.4.4.6.14.1.1	Procure Components	Wed 4/7/10	Tue 9/21/10																																			
790	1.4.4.6.14.1.2	Assembly Components	Wed 9/22/10	Tue 3/8/11																																			
791	1.4.4.6.14.1.3	Testing	Wed 3/9/11	Tue 8/23/11																																			
792	1.4.4.6.14.2	Mid Level Core Instrument 3	Wed 6/2/10	Tue 10/18/11																																			
793	1.4.4.6.14.2.1	Procure Components	Wed 6/2/10	Tue 11/16/10																																			
794	1.4.4.6.14.2.2	Assembly Components	Wed 11/17/10	Tue 5/3/11																																			
795	1.4.4.6.14.2.3	Testing	Wed 5/4/11	Tue 10/18/11																																			
796	1.4.4.6.14.3	Bottom Level Core Instrument 3	Wed 7/28/10	Tue 12/13/11																																			
797	1.4.4.6.14.3.1	Procure Components	Wed 7/28/10	Tue 1/11/11																																			
798	1.4.4.6.14.3.2	Assembly Components	Wed 1/12/11	Tue 6/28/11																																			
799	1.4.4.6.14.3.3	Testing	Wed 6/29/11	Tue 12/13/11																																			

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ID	WBS	Task Name	Start	Finish	2008				2009				2010				2011				2012				2013			
					Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
800	1.4.4.6.15	Extension Cables Node 3	Fri 12/17/10	Thu 5/3/12																								
801	1.4.4.6.15.1	Additional detail to be added	Fri 12/17/10	Thu 5/3/12																								
802	1.4.4.6.16	Vertical Mooring 3 Axial	Thu 2/10/11	Wed 8/29/12																								
803	1.4.4.6.16.1	Surface Layer Winch System 1	Thu 2/10/11	Wed 6/27/12																								
804	1.4.4.6.16.2	Mid Level Profiler System 1	Thu 4/14/11	Wed 8/29/12																								
805	1.4.4.6.16.3	Bottom Level Profiler System 1	Thu 4/14/11	Wed 8/29/12																								
806	1.4.4.6.17	Extension Cables Node 5	Fri 12/17/10	Thu 5/3/12																								
807	1.4.4.6.17.1	Additional detail to be added	Fri 12/17/10	Thu 5/3/12																								
808	1.4.4.6.18	Sensors - Bottom, Axial	Fri 11/20/09	Thu 5/31/12																								
809	1.4.4.6.18.1	Current Meter	Fri 11/20/09	Thu 5/6/10																								
810	1.4.4.6.18.2	Bottom Pressure Sensor 3	Fri 2/12/10	Thu 7/29/10																								
811	1.4.4.6.18.3	Hydrophone 3	Fri 4/9/10	Thu 9/23/10																								
812	1.4.4.6.18.4	Broadband Seismometer 3	Fri 6/4/10	Thu 11/18/10																								
813	1.4.4.6.18.5	Site Specific Core Sensors 3	Fri 1/14/11	Thu 5/31/12																								
814	1.4.4.6.19	Sensors - Bottom, Midplate	Fri 11/20/09	Thu 11/18/10																								
815	1.4.4.6.19.1	Current Meter	Fri 11/20/09	Thu 5/6/10																								
816	1.4.4.6.19.2	Bottom Pressure Sensor 3	Fri 2/12/10	Thu 7/29/10																								

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ID	WBS	Task Name	Start	Finish	2008				2009				2010				2011				2012				2013							
					Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
817	1.4.4.6.19.3	Hydrophone 3	Fri 4/9/10	Thu 9/23/10																												
818	1.4.4.6.19.4	Broadband Seismometer 3	Fri 6/4/10	Thu 11/18/10																												
819	1.4.4.6.20	Pre-Installation Integration and Test - Axial	Wed 12/22/10	Tue 8/28/12																												
820	1.4.4.6.20.1	Assembly and Testing of all parts of site prior to Marine Installation	Wed 12/22/10	Tue 8/28/12																												
821	1.4.4.6.21	Pre-Installation Integration and Test - Midplate	Wed 12/22/10	Tue 8/28/12																												
822	1.4.4.6.21.1	Assembly and Testing of all parts of site prior to Marine Installation	Wed 12/22/10	Tue 8/28/12																												
823	1.4.4.6.22	Primary Backbone Installation - Axial/Midplate	Tue 7/1/08	Fri 10/8/10																												
824	1.4.4.6.22.1	Submarine Cable System Installation	Tue 7/1/08	Fri 10/8/10																												
825	1.4.4.6.22.1.1	Pre-mission planning	Tue 7/1/08	Mon 9/22/08																												
826	1.4.4.6.22.1.2	Load cable onto vessel	Thu 9/2/10	Tue 9/14/10																												
827	1.4.4.6.22.1.3	leave port	Wed 9/15/10	Wed 9/15/10																												
828	1.4.4.6.22.1.4	pre-lay cable testing	Thu 9/16/10	Fri 9/17/10																												
829	1.4.4.6.22.1.5	lay cable	Mon 9/20/10	Tue 10/5/10																												
830	1.4.4.6.22.1.6	post lay cable testing	Wed 10/6/10	Thu 10/7/10																												
831	1.4.4.6.22.1.7	Ready for Provisional Acceptance	Fri 10/8/10	Fri 10/8/10																												
832	1.4.4.6.23	Secondary Infrastructure Installation - Axial	Wed 8/29/12	Wed 11/21/12																												
833	1.4.4.6.23.1	mobilization of site hardware	Wed 8/29/12	Tue 9/25/12																												

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ID	WBS	Task Name	Start	Finish	2008				2009				2010				2011				2012				2013			
					Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
834	1.4.4.6.23.2	hardware layout, cable hookup, start of Commissioning activity	Wed 9/26/12	Tue 10/23/12																								
835	1.4.4.6.23.3	post-lay inspection	Wed 10/24/12	Tue 11/20/12																								
836	1.4.4.6.23.4	de-mobilization	Wed 11/21/12	Wed 11/21/12																								
837	1.4.4.6.24	Secondary Infrastructure Installation - Midplate	Wed 8/29/12	Wed 11/21/12																								
838	1.4.4.6.24.1	mobilization of site hardware	Wed 8/29/12	Tue 9/25/12																								
839	1.4.4.6.24.2	hardware layout, cable hookup, start of Commissioning activity	Wed 9/26/12	Tue 10/23/12																								
840	1.4.4.6.24.3	post-lay inspection	Wed 10/24/12	Tue 11/20/12																								
841	1.4.4.6.24.4	de-mobilization	Wed 11/21/12	Wed 11/21/12																								
842	1.4.4.6.25	Commissioning Axial/Midplate	Thu 11/22/12	Wed 5/8/13																								
843	1.4.4.6.25.1	Commissioning - Infrastructure (non Sensor)	Thu 11/22/12	Wed 5/8/13																								
844	1.4.4.6.25.2	Current Meter 3	Thu 11/22/12	Thu 11/22/12																								
845	1.4.4.6.25.3	Bottom Pressure Sensor 3	Thu 11/22/12	Thu 11/22/12																								
846	1.4.4.6.25.4	Hydrophone 3	Thu 11/22/12	Thu 11/22/12																								
847	1.4.4.6.25.5	Broadband Seismometer 3	Thu 11/22/12	Thu 11/22/12																								
848	1.4.4.6.25.6	Surface Layer Core Instrument 3	Thu 11/22/12	Thu 11/22/12																								
849	1.4.4.6.25.7	Mid Level Core Instrument 3	Thu 11/22/12	Thu 11/22/12																								
850	1.4.4.6.25.8	Bottom Level Core Instrument 3	Thu 11/22/12	Thu 11/22/12																								

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ID	WBS	Task Name	Start	Finish	2008				2009				2010				2011				2012				2013															
					Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3								
851	1.4.4.6.25.9	Site Specific Core Sensors 3	Thu 11/22/12	Thu 11/22/12																																				
852	1.4.4.7	Segment N4 - Subduction Zone Site Assembly/ Installation/ Test	Tue 7/1/08	Wed 5/8/13																																				
853	1.4.4.7.1	Site Survey	Fri 1/1/10	Thu 1/7/10																																				
854	1.4.4.7.2	Site Design (Layout)	Fri 1/8/10	Thu 3/4/10																																				
855	1.4.4.7.3	Primary Node 4 - Subduction Zone	Tue 11/23/10	Mon 10/10/11																																				
856	1.4.4.7.3.1	Procure Components	Tue 11/23/10	Mon 5/9/11																																				
857	1.4.4.7.3.2	Assembly Components	Tue 5/10/11	Mon 8/1/11																																				
858	1.4.4.7.3.3	Testing prior to final assembly	Tue 8/2/11	Mon 8/15/11																																				
859	1.4.4.7.3.4	Final assembly	Tue 8/16/11	Mon 9/12/11																																				
860	1.4.4.7.3.5	Final assembly test and acceptance for operation	Tue 9/13/11	Mon 10/10/11																																				
861	1.4.4.7.4	WBS Reserved	Tue 11/23/10	Tue 11/23/10																																				
862	1.4.4.7.4.1	WBS Reserved	Tue 11/23/10	Tue 11/23/10																																				
863	1.4.4.7.4.2	WBS Reserved	Tue 11/23/10	Tue 11/23/10																																				
864	1.4.4.7.4.3	WBS Reserved	Tue 11/23/10	Tue 11/23/10																																				
865	1.4.4.7.4.4	WBS Reserved	Tue 11/23/10	Tue 11/23/10																																				
866	1.4.4.7.4.5	WBS Reserved	Tue 11/23/10	Tue 11/23/10																																				
867	1.4.4.7.5	LV Nodes (3) 4A, 4B, 4C - Subduction Zone	Wed 12/22/10	Tue 1/3/12																																				

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ID	WBS	Task Name	Start	Finish	2008				2009				2010				2011				2012				2013															
					Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4											
868	1.4.4.7.5.1	Procure Components	Wed 12/22/10	Tue 6/7/11																																				
869	1.4.4.7.5.2	Assembly Components	Wed 6/8/11	Tue 8/30/11																																				
870	1.4.4.7.5.3	Testing prior to final assembly	Wed 8/31/11	Tue 9/13/11																																				
871	1.4.4.7.5.4	Final assembly	Wed 9/14/11	Tue 10/11/11																																				
872	1.4.4.7.5.5	Final assembly test and acceptance for operation - Node 4A	Wed 10/12/11	Tue 11/8/11																																				
873	1.4.4.7.5.6	Final assembly test and acceptance for operation - Node 4B	Wed 11/9/11	Tue 12/6/11																																				
874	1.4.4.7.5.7	Final assembly test and acceptance for operation - Node 4B	Wed 12/7/11	Tue 1/3/12																																				
875	1.4.4.7.6	J-Box (2) 4A and 4B - Subduction Zone	Wed 12/29/10	Tue 11/15/11																																				
876	1.4.4.7.6.1	Procure Components	Wed 12/29/10	Tue 6/14/11																																				
877	1.4.4.7.6.2	Assembly Components	Wed 6/15/11	Tue 9/6/11																																				
878	1.4.4.7.6.3	Testing prior to final assembly	Wed 9/7/11	Tue 9/20/11																																				
879	1.4.4.7.6.4	Final assembly	Wed 9/21/11	Tue 10/18/11																																				
880	1.4.4.7.6.5	Final assembly test and acceptance for operation	Wed 10/19/11	Tue 11/15/11																																				
881	1.4.4.7.6.6	Final assembly test and acceptance for operations	Wed 10/19/11	Tue 11/15/11																																				
882	1.4.4.7.7	WBS Reserved	Tue 11/23/10	Tue 11/23/10																																				
883	1.4.4.7.7.1	WBS Reserved	Tue 11/23/10	Tue 11/23/10																																				
884	1.4.4.7.7.2	WBS Reserved	Tue 11/23/10	Tue 11/23/10																																				

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ID	WBS	Task Name	Start	Finish	2008				2009				2010				2011				2012				2013							
					Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
885	1.4.4.7.7.3	WBS Reserved	Tue 11/23/10	Tue 11/23/10																												
886	1.4.4.7.7.4	WBS Reserved	Tue 11/23/10	Tue 11/23/10																												
887	1.4.4.7.7.5	WBS Reserved	Tue 11/23/10	Tue 11/23/10																												
888	1.4.4.7.8	WBS Reserved	Tue 11/23/10	Tue 11/23/10																												
889	1.4.4.7.8.1	WBS Reserved	Tue 11/23/10	Tue 11/23/10																												
890	1.4.4.7.8.2	WBS Reserved	Tue 11/23/10	Tue 11/23/10																												
891	1.4.4.7.8.3	WBS Reserved	Tue 11/23/10	Tue 11/23/10																												
892	1.4.4.7.8.4	WBS Reserved	Tue 11/23/10	Tue 11/23/10																												
893	1.4.4.7.8.5	WBS Reserved	Tue 11/23/10	Tue 11/23/10																												
894	1.4.4.7.9	Extension Cables - Subduction Zone	Fri 12/17/10	Thu 5/3/12																												
895	1.4.4.7.9.1	additional detail to be added including entrance criteria	Fri 12/17/10	Thu 5/3/12																												
896	1.4.4.7.10	WBS Reserved	Tue 11/23/10	Tue 11/23/10																												
897	1.4.4.7.10.1	WBS Reserved	Tue 11/23/10	Tue 11/23/10																												
898	1.4.4.7.10.2	WBS Reserved	Tue 11/23/10	Tue 11/23/10																												
899	1.4.4.7.10.3	WBS Reserved	Tue 11/23/10	Tue 11/23/10																												
900	1.4.4.7.11	Sensors - Bottom, Subduction Zone	Fri 11/20/09	Thu 5/31/12																												
901	1.4.4.7.11.1	Current Meter	Fri 11/20/09	Thu 5/6/10																												

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ID	WBS	Task Name	Start	Finish	2008				2009				2010				2011				2012				2013							
					Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
902	1.4.4.7.11.2	Bottom Pressure Sensor 4	Fri 2/12/10	Thu 7/29/10																												
903	1.4.4.7.11.3	Hydrophone 4	Fri 4/9/10	Thu 9/23/10																												
904	1.4.4.7.11.4	Broadband Seismometer 4	Fri 6/4/10	Thu 11/18/10																												
905	1.4.4.7.11.5	Site Specific Core Sensors 4	Fri 1/14/11	Thu 5/31/12																												
906	1.4.4.7.12	Pre-Installation Integration and Test - Subduction Zone	Wed 12/22/10	Tue 8/28/12																												
907	1.4.4.7.12.1	Assembly and Testing of all parts of site prior to Marine Installation	Wed 12/22/10	Tue 8/28/12																												
908	1.4.4.7.13	Primary Backbone Installation - Subduction Zone	Tue 7/1/08	Wed 10/24/12																												
909	1.4.4.7.13.1	Submarine Cable System Installation	Tue 7/1/08	Wed 10/24/12																												
910	1.4.4.7.13.1.1	Pre-mission planning	Tue 7/1/08	Mon 9/22/08																												
911	1.4.4.7.13.1.2	Load cable onto vessel	Wed 9/26/12	Wed 10/3/12																												
912	1.4.4.7.13.1.3	leave port	Thu 10/4/12	Thu 10/4/12																												
913	1.4.4.7.13.1.4	pre-lay cable testing	Fri 10/5/12	Mon 10/8/12																												
914	1.4.4.7.13.1.5	lay cable	Tue 10/9/12	Fri 10/19/12																												
915	1.4.4.7.13.1.6	post lay cable testing	Mon 10/22/12	Tue 10/23/12																												
916	1.4.4.7.13.1.7	Ready for Provisional Acceptance	Wed 10/24/12	Wed 10/24/12																												
917	1.4.4.7.14	Secondary Infrastructure Installation - Subduction Zone	Wed 8/29/12	Wed 11/21/12																												
918	1.4.4.7.14.1	mobilization of site hardware	Wed 8/29/12	Tue 9/25/12																												

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ID	WBS	Task Name	Start	Finish	2008	2009	2010	2011	2012	2013		
					Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
936	1.4.4.8.4	Calibration Facility	Tue 5/17/11	Mon 10/31/11								
937	1.4.4.8.4.1	Additional Detail to be added	Tue 5/17/11	Mon 10/31/11								
938	1.4.4.8.5	Test Facility	Tue 6/15/10	Mon 11/29/10								
939	1.4.4.8.5.1	Pre-Installation test and Integration	Tue 6/15/10	Mon 11/29/10								
940		RSN Project Milestones	Tue 7/1/08	Thu 11/22/12								
941		Authorization to Proceed	Tue 7/1/08	Tue 7/1/08								
942		Transition to O&M	Thu 11/22/12	Thu 11/22/12								