

## OBSIP Field Program Commitments for CY2009

PI	IIC	Instruments requested	Type	Cruise Date	Ship	Comments
McGuire III EPR – QDG SE Pacific	WHOI	10 SP passive; 30 LP passive; (10 LP Keck)	Mixed Active/ Passive	Jan 11 – Feb 02	Atlantis	<b>RECOVERY:</b> Final recovery of all instruments.
Wiens I Lau Basin	WHOI & SIO	54 SP	Active	Jan 24 – Mar 08	Langseth	<b>DEPLOYMENT:</b> 77 total SP instrument deployments; <b>15 WHOI, 39 SIO SP units</b>
Hager I New Zealand	SIO	30 LP	Passive	Jan 29 – Feb 26	Thompson	<b>DEPLOYMENT:</b> EAR/CD funded 23 day deployment leg <i>~Austral Summer</i>
Sari IV NE Pacific	SIO	10 SP passive; 8 LP passive	Passive SP & LP	Apr 20 – May 03	R/V alpha Helix	<b>RECOVERY:</b> Deploy/recovery for ONR funded w/ Johns Hopkins (APL). <i>NON-OBSIP project.</i>
McIntosh II Taiwan	WHOI & SIO	54 SP	Active shoot	Apr 30 – June 03	Langseth / FR1 (Taiwan)	One leg of 44 days for active source exp (4 x 25 OBS); 100 total deployments from Ocean Researcher I. EAR/CD funded
McIntosh III Taiwan	LDEO	20 LP (LDEO)	Passive recovery	Jun 08 – Jun 14	Langseth	Recovery of 20 LDEO LP units on Langseth. EAR/CD funded – <i>PASSCAL co-deployment;</i>
McIntosh IV Taiwan	WHOI & SIO	39 SP	Active	Jun 14 – Jun 28	FR1 (Taiwan)	Two-ship operations w/ Langseth; 64 total deployments from Fisheries Researcher I. EAR/CD funded
Trehu IV NE Pacific	SIO	13 SP passive; 3 LP passive	Passive SP & LP	Jul 14 – Jul 20	Wecoma	<b>RECOVERY II:</b> Final recovery
Toomey Endeavour	WHOI & SIO	64 SP	Active	Aug 19 – Sep 10	Langseth	4-comp active instruments; 64 units, 1 deploy each
Sari IV NE Pacific	SIO	10 SP passive; 8 LP passive	Passive SP & LP	Sep/Oct	TBD	<b>RECOVERY:</b> Recovery to coincide with Canadian Neptune cable tests. <i>NON-OBSIP project.</i>
Forsyth I (Guam)	LDEO & SIO	16 LP	Passive	Oct 13 – Nov 02	Revelle	<b>DEPLOYMENT:</b> 16 day deployment leg; 6+ month deployment
Wiens II Lau Basin	WHOI & LDEO	55 LP	Passive	Nov 19 – Dec 05	Revelle	<b>DEPLOYMENT:</b> 55 Broadband instruments; 1-year deployment

Legend: BBOBS – 1-yr deploy SP unit – 1-yr deploy R/V Langseth – active NON-OBSIP Schedule/Status Pending

**CY2009 NOTES:**

*SPECIAL NOTE: McGUIRE III, WIENS I, and HAGER I will require 3 major OBSIP cruise to be conducted simultaneously by SIO and WHOI. Smaller OBSIP personnel crews will be necessary to handle the cruise load – added support from PI’s and science party will be required.*

**MCINTOSH II – ACTIVE:**

- Active-source part of project calls for ~100 total deployments. PI’s propose that the Fisheries Researcher I is used as the OBS tender vessel, with all shooting on Langseth. Must pass inspection and necessary equipment (crane) modifications. All 20 LDEO BBOBS instruments scheduled for deployment in May 2008 on the Melville will be picked up by the Langseth.

**TOOMEY:**

- Expected that ~64+ SP units can be attained after Trehu recovery (64 requested).

**SARI IV:**

- Non-OBSIP deployment to coincide with testing of the Canadian Neptune cabled array. Recovery date to coincide with testing schedule – early October is likely the latest recovery date.

**FORSYTH I**

- Passive deployment of 16 BB units. Proposal calls for minimum of 6-month deployment, OBSIP can accommodate up to a 12-month deployment as required. SIO instruments for FORSYTH I come from recovery of and Sari instruments. Dependent upon shipping schedules to Guam, instrument may be ready for deployment by mid/late-October 2009.

**WIENS II:**

- Passive deployment separated from active survey. Must use combination of LP instruments from both WHOI and LDEO. WHOI instrument come from McGUIRE II recovery. LDEO instrument come from recovery of LP instruments from McINTOSH III. Depending upon reasonable shipping constraints, LDEO needs a minimum of ~3.5 months to turn around instruments and be ready for WIENS LP deployments. With LP recovery nominally scheduled for late June 2009 this puts the earliest deployment time near mid-October 2009.

**2009 OBSIP INSTRUMENT USAGE SUMMARY:**

LP / PASSIVE UNITS							
SIO	WHOI	LDEO	TOTAL		Committed	Available	Projects
41	31	30	102	1 <sup>st</sup> half 2009:	93	9	Trehu, McIntosh, Sari, Hager, McGuire
				2 <sup>nd</sup> half 2009:	101	1	Hager, Wiens, Forsyth

SP / ACTIVE UNITS							
SIO	WHOI	LDEO	TOTAL		Committed	Available	Projects
67	30	0	97	1 <sup>st</sup> half 2009:	90	7	McGuire, Trehu, Wiens, McIntosh, Sari
				2 <sup>nd</sup> half 2009:	87	10	Trehu, Sari, Toomey

## OBSIP Field Program Commitments for CY2010

PI	IIC	Instruments requested	Type	Cruise Date	Ship	Comments
Hager II New Zealand	SIO	30 LP	Passive	~Feb	TBD (UNOLS)	<b>RECOVERY:</b> EAR/CD funded 23 day recovery leg <i>~Austral Summer</i>
Baldwin I Papua New Guinea	SIO	8 LP	Passive	???	TBD	<b>DEPLOYMENT:</b> 8 day deployment leg; PNG EAR/CD funded – <i>PASSCAL co-deployment;</i>
Driscoll Salton Trough	SIO	50 SP	Active	Winter	TBD (non-UNOLS)	14-day active source leg; 87 deployments; non-UNOLS vessel Location is on Salton Sea
Wiens I Mariana	WHOI & SIO	75 SP	Active	???	Langseth	Active and passive phases of project are split Leg 1 - ?? Days; Active shoot phase – originally requested 65 SP units, split deployment request is for 75 SP units
Korenaga Shatsky Rise (NW Pacific)	WHOI & SIO??	28 SP	Active	???	Langseth	51-day active-source leg; SP units can stay on Langseth for Korenaga and Wiens
Kohler I Los Angeles Basin	SIO?	24 LP	Passive	Summer	TBD (UNOLS)	<b>DEPLOYMENT:</b> 24 Broadband instruments; 9-month deployment 9-day cruise leg
Caplan-Auerbach I Loihi (Hawaii)	WHOI or SIO	12 SP	Passive	Summer?	TBD (UNOLS)	<b>DEPLOYMENT:</b> 12 short-period instruments; 1-year deployment 7-day cruise leg
CASCADIA	WHOI, SIO, LDEO	???? (TBD)	????	Fall (Sep-Oct)	TBD (UNOLS)	<b>DEPLOYMENT:</b> NSF-ARRA funded CASCADIA experiment Details TBD EARLIEST SAIL DATE: Late Sept / Early Oct.
Forsyth II (Guam)	WHOI or SIO	16 LP	Passive	2 <sup>nd</sup> half of year	TBD (UNOLS)	<b>RECOVERY:</b> 16 day deployment leg; 6 to 12 month deployment
Wiens III Lau Basin	WHOI & SIO	55 LP	Passive	Fall	TBD (UNOLS)	<b>RECOVERY:</b> 55 Broadband instruments;

Legend:

BBOBS – 1-yr deploy

SP unit – 1-yr deploy

R/V Langseth – active

NON-OBSIP

Schedule/Status Pending

## CY2010 NOTES:

### HAGER II:

-- Austral summer required. Better if not concurrent with Wiens-Mariana.

### DRISCOLL:

-- Active-source experiment using 50 SP units in the Salton Sea. No UNOLS vessel required. Project is in conjunction with land seismic experiment (PI's HOLE and STOCK through EAR), PASSCAL instrument co-deployment. **Permitting underway, but project could be postponed until winter 2011. If experiment happens in 2010, SP instruments for Wiens (Mariana) active source cruise on Langseth CANNOT be shipped until after Driscoll project completion.**

### BALDWIN I:

-- Instrument to come from recovery of LP units from HAGER II. 1-year passive deployment.

### FORSYTH II:

-- Recovery of 16 BB units. Proposal calls for minimum of 6-month deployment, OBSIP can accommodate up to a 12-month deployment.

### WIENS III:

-- Passive recovery.

### KOHLER I:

-- Los Angeles Basin in summer. Instruments will come from HAGER II project: need ~3-4 months for shipping and turn around of instruments from end of cruise. 1-year passive deployment.

### CAPLAN-AUERBACH I:

-- Loihi seamount, 12 SP units deployed for ~9-months.

### WIENS I (Mariana):

-- Proposal calls for an initial Langseth cruise leg with an active survey and passive deployment. NSF decided to split active and passive facets of project. WHOI and SIO can field enough instruments (e.g. 65-75) for independent active leg in ~spring of 2010 (better if not concurrent with Hager recovery cruise due to limited personnel).

### 2010-2011 OBSIP INSTRUMENT USAGE SUMMARY:

LP / PASSIVE UNITS							
SIO	WHOI	LDEO	TOTAL		<i>Committed</i>	<i>Available</i>	<i>Projects</i>
41	31	30	<b>102</b>	1 <sup>st</sup> half 2010:	101	1	Hager, Wiens, Forsyth
				2 <sup>nd</sup> half 2010:	102	-1	Wiens, Forsyth, Kohler, Baldwin?

  

SP / ACTIVE UNITS							
SIO	WHOI	LDEO	TOTAL		<i>Committed</i>	<i>Available</i>	<i>Projects</i>
67	30	0	<b>97</b>	1 <sup>st</sup> half 2010:	75	22	Wiens, Korenaga
				2 <sup>nd</sup> half 2010:	12	85	Caplan-Auerbach

## OBSIP Field Program Commitments for CY2011

PI	IIC	Instruments requested	Type	Cruise Date	Ship	Comments
Wiens II Mariana	WHOI & SIO	20 LP	Passive	???	TBD (UNOLS)	<b>DEPLOYMENT:</b> passive deployment for 1-year TBD cruise length
Baldwin II Papua New Guinea	SIO	8 LP	Passive	???	TBD	<b>RECOVERY:</b> ~6-8? day recovery leg; PNG EAR/CD funded – <i>PASSCAL co-deployment</i> ;
Kohler II Los Angeles Basin	SIO?	24 LP	Passive	Summer	TBD (UNOLS)	<b>RECOVERY:</b> 24 Broadband instruments; 8-day cruise leg
Caplan-Auerbach II Loihi (Hawaii)	WHOI or SIO	12 SP	Passive	Summer?	TBD (UNOLS)	<b>RECOVERY:</b> 12 short-period instruments; 1-year deployment 6-day cruise leg
CASCADIA	WHOI, SIO, LDEO	???? (TBD)	????	Summer ???	TBD (UNOLS)	<b>RECOVERY:</b> NSF-ARRA funded CASCADIA experiment Details TBD Two separate cruise for Recovery and redeployment???
CASCADIA	WHOI, SIO, LDEO	???? (TBD)	????	Fall ?? (Sep-Oct)	TBD (UNOLS)	<b>RE-DEPLOYMENT:</b> NSF-ARRA funded CASCADIA experiment Details TBD Two separate cruise for Recovery and redeployment???

Legend: BBOBS – 1-yr deploy SP unit – 1-yr deploy R/V Langseth – active NON-OBSIP Schedule/Status Pending

## OBSIP Field Program Commitments for CY2012

PI	IIC	Instruments requested	Type	Cruise Date	Ship	Comments
Wiens III Mariana	WHOI & SIO	20 LP	Passive	???	TBD (UNOLS)	<b>RECOVERY:</b> passive deployment for 1-year TBD cruise length
CASCADIA	WHOI, SIO, LDEO	???? (TBD)	????	Fall ?? (Sep-Oct)	TBD (UNOLS)	<b>RECOVERY:</b> NSF-ARRA funded CASCADIA experiment Details TBD

Legend: BBOBS – 1-yr deploy SP unit – 1-yr deploy R/V Langseth – active NON-OBSIP Schedule/Status Pending

**CY2011-2012 NOTES:**

**BALDWIN II:**

-- 1-year passive deployment.

**KOHLER II:**

-- Los Angeles Basin in summer. 1-year passive deployment.

**KAPLAN-AUERBACH II:**

-- Loihi seamount, 12 SP units deployed for ~9-months.

**WIENS II & III (Mariana):**

-- NSF decided to split active and passive facets of project. Passive instruments will not be available until early 2011 at the earliest. Instruments will come from Forsyth and/or Wiens (Lau Basin) projects. Need ~3-4 months to turn around instruments and ship to Guam before deployment.

**2010-2011 OBSIP INSTRUMENT USAGE SUMMARY:**

LP / PASSIVE UNITS							
SIO	WHOI	LDEO	TOTAL		<i>Committed</i>	<i>Available</i>	<i>Projects</i>
41	31	30	<b>102</b>	1 <sup>st</sup> half 2011:	52	50	Kohler, Baldwin?, Wiens (Mariana)
				2 <sup>nd</sup> half 2011:	20	72	Wiens (Mariana)
41	31	30	<b>102</b>	1 <sup>st</sup> half 2012:	20	72	Wiens (Mariana)
				2 <sup>nd</sup> half 2012:	0	102	Wiens, Forsyth, Kohler, Baldwin?

SP / ACTIVE UNITS							
SIO	WHOI	LDEO	TOTAL		<i>Committed</i>	<i>Available</i>	<i>Projects</i>
67	30	0	<b>97</b>	1 <sup>st</sup> half 2011:	12	85	Caplan-Auerbach
				2 <sup>nd</sup> half 2011:	0	97	
67	30	0	<b>97</b>	1 <sup>st</sup> half 2012:	0	97	
				2 <sup>nd</sup> half 2012:	0	97	