

**2013 - Kilo Moana**

Final - ID #11801 - Version #9 - 12/20/2013

**Scheduling Contact(s):**

Alan C. Hilton

marsup@soest.hawaii.edu

(808) 842-9814

**Notes:** 12/20 Adjust for days lost on ROV test cruise. 11/27/13 Consolidate ROV December cruises into one cruise departing December 8. 10/31/13 Reduce October ROV test to 3 days, Move ACO December Cruise to January 2014, replace ACO cruise with 5 days of ROV Test. 8/28/13 Readjustment of sailing dates for ROV-related cruises. 7/22/13 Moved 7 days of state and NOAA funded ROV ops to December 1-9. Added 2 days of state funded ROV tests in October, Deleted the TBD 4 days of Caley upgrade tests to be added to the 2014 schedule. 6/27/13 Changed funding source in KM 13-18, Changed notes and Chief scientist on KM 13-21, Shifted Caley tests to 2014. 2/25/13 Reduced JHUAPL recovery cruise to 5 days. Adjusted length of INSURV. Removed ROV test/student cruises and added HOT cruise 3/15-19 and maintenance period 3/20-31. Adjusted return date of BGR cruise. Discussions ongoing regarding additional time in Oct-Dec pending ONR approval. Substantial adjustments in the last quarter of the year to accommodate pending cruise. Addition of second DORD cruise in Dec/Jan (2014). 3/13 Removed second DORD cruise.

**Associated Cruises**

<i>Dates</i>	<i>Ports</i>	<i>Area/Navy Op</i>	<i>Lat/Lon</i>	<i>Chief Scientist</i>	<i>At Sea/Total Days</i>
<b>Mob:</b> 08 Jan 2013		/			
<b>Dep:</b> 10 Jan 2013	Honolulu, HI, USA	NP12	21N/158W		
<b>Arr:</b> 07 Feb 2013	Honolulu, HI, USA	NP12	21N/158W	Zackary I. Johnson	28/31
<b>Demob:</b> 08 Feb 2013					
<b>Project</b>	<b>PI/Institution</b>	<b>Project #</b>	<b>Days/Agency/Status</b>		
Temp/Pro	Zackary I. Johnson/DUML	1031064/1030518	28/NSF-OCE-BIO/F		

**Notes:** KM 13-01 Z. Johnson-1

<i>Dates</i>	<i>Ports</i>	<i>Area/Navy Op</i>	<i>Lat/Lon</i>	<i>Chief Scientist</i>	<i>At Sea/Total Days</i>
<b>Mob:</b> 10 Feb 2013		/			
<b>Dep:</b> 11 Feb 2013	Honolulu, HI, USA	NP12	22N/158W		
<b>Arr:</b> 15 Feb 2013	Honolulu, HI, USA	NP12	21N/158W	Matthew Church	4/5
<b>Demob:</b> 15 Feb 2013					
<b>Project</b>	<b>PI/Institution</b>	<b>Project #</b>	<b>Days/Agency/Status</b>		
HOT	Matthew Church/UH_SOEST	ARRA 0926766	4/NSF-OCE-CO/F		

**Notes:** KM 13-02 HOT-1

<i>Dates</i>	<i>Ports</i>	<i>Area/Navy Op</i>	<i>Lat/Lon</i>	<i>Chief Scientist</i>	<i>At Sea/Total Days</i>
<b>Mob:</b> 15 Feb 2013		/			
<b>Dep:</b> 15 Feb 2013	Honolulu, HI, USA	NP12	21N/158W	Alexander Shor	
<b>Arr:</b> 21 Feb 2013	Honolulu, HI, USA	NP12	21N/158W	Maintenance	6/6
<b>Demob:</b> 21 Feb 2013					
<b>Project</b>	<b>PI/Institution</b>	<b>Project #</b>	<b>Days/Agency/Status</b>		
Maintenance	Alexander Shor/UH_SOEST	Not Specified	0/OTHER/NonOP		

**Notes:** Alongside Maintenance

<i>Dates</i>	<i>Ports</i>	<i>Area/Navy Op</i>	<i>Lat/Lon</i>	<i>Chief Scientist</i>	<i>At Sea/Total Days</i>
<b>Mob:</b> 21 Feb 2013		Musician Seamts/			
<b>Dep:</b> 22 Feb 2013	Honolulu, HI, USA	NP12	19N/158W		
<b>Arr:</b> 27 Feb 2013	Honolulu, HI, USA	NP12	19N/158W	Richard Prengaman	5/6
<b>Demob:</b> 27 Feb 2013					

<b>Project</b>	<b>PI/Institution</b>	<b>Project #</b>	<b>Days/Agency/Status</b>
Mooring Recovery	Richard Prengaman/JHU_APL	Not Specified	5/OTHER/F

**Notes:** KM13-03 Navy Recovery

<b>Dates</b>	<b>Ports</b>	<b>Area/Navy Op</b>	<b>Lat/Lon</b>	<b>Chief Scientist</b>	<b>At Sea/Total Days</b>
<b>Mob:</b> 28 Feb 2013		Coastal Oahu/			
<b>Dep:</b> 01 Mar 2013	Honolulu, HI, USA	NP12	19N/158W		
<b>Arr:</b> 03 Mar 2013	Honolulu, HI, USA	NP12	19N/158W	Douglas S. Luther	2/3
<b>Demob:</b> 03 Mar 2013					

<b>Project</b>	<b>PI/Institution</b>	<b>Project #</b>	<b>Days/Agency/Status</b>
mooring deployment	Douglas S. Luther/UH_SOEST	Not Specified	2/INST-UH/F

**Notes:** KM13-04 Student Cruise/mooring deployment

<b>Dates</b>	<b>Ports</b>	<b>Area/Navy Op</b>	<b>Lat/Lon</b>	<b>Chief Scientist</b>	<b>At Sea/Total Days</b>
<b>Mob:</b> 04 Mar 2013		/			
<b>Dep:</b> 05 Mar 2013	Honolulu, HI, USA	NP12	22N/158W		
<b>Arr:</b> 09 Mar 2013	Honolulu, HI, USA	NP12	21N/158W	Matthew Church	4/5
<b>Demob:</b> 09 Mar 2013					

<b>Project</b>	<b>PI/Institution</b>	<b>Project #</b>	<b>Days/Agency/Status</b>
HOT	Matthew Church/UH_SOEST	ARRA 0926766	4/NSF-OCE-CO/F

**Notes:** KM 13-05 HOT-2

<b>Dates</b>	<b>Ports</b>	<b>Area/Navy Op</b>	<b>Lat/Lon</b>	<b>Chief Scientist</b>	<b>At Sea/Total Days</b>
<b>Mob:</b> 11 Mar 2013		NP-12/			
<b>Dep:</b> 11 Mar 2013	Honolulu, HI, USA	NP12	21N/158W		
<b>Arr:</b> 11 Mar 2013	Honolulu, HI, USA	NP12	21N/158W	Alexander Shor	1/5
<b>Demob:</b> 15 Mar 2013					

<b>Project</b>	<b>PI/Institution</b>	<b>Project #</b>	<b>Days/Agency/Status</b>
INSURV	Alexander Shor/UH_SOEST	Not Specified	0/OTHER/NonOP

**Notes:** KM 13-06  
INSURV Inspection

<b>Dates</b>	<b>Ports</b>	<b>Area/Navy Op</b>	<b>Lat/Lon</b>	<b>Chief Scientist</b>	<b>At Sea/Total Days</b>
<b>Mob:</b> 16 Mar 2013		/			
<b>Dep:</b> 16 Mar 2013	Honolulu, HI, USA	NP12	21N/158W	Alexander Shor	
<b>Arr:</b> 30 Mar 2013	Honolulu, HI, USA	NP12	21N/158W	Maintenance	15/15
<b>Demob:</b> 30 Mar 2013					

<b>Project</b>	<b>PI/Institution</b>	<b>Project #</b>	<b>Days/Agency/Status</b>
Maintenance	Alexander Shor/UH_SOEST	Not Specified	0/OTHER/NonOP

**Notes:** Alongside Maintenance. Engine overhaul.

<b>Dates</b>	<b>Ports</b>	<b>Area/Navy Op</b>	<b>Lat/Lon</b>	<b>Chief Scientist</b>	<b>At Sea/Total Days</b>
<b>Mob:</b> 30 Mar 2013		NP-12/			
<b>Dep:</b> 01 Apr 2013	Honolulu, HI, USA	NP12	22N/158W		
<b>Arr:</b> 13 May 2013	Honolulu, HI, USA	NP12	21N/158W	Joyce E. Miller	42/45
<b>Demob:</b> 14 May 2013					

<b>Project</b>	<b>PI/Institution</b>	<b>Project #</b>	<b>Days/Agency/Status</b>
BGR surveys	Alexander Shor/UH_SOEST	201-10053119	42/OTHER/F

**Notes:** KM 13-07 BGR Manganese

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<i>Dates</i>	<i>Ports</i>	<i>Area/Navy Op</i>	<i>Lat/Lon</i>	<i>Chief Scientist</i>	<i>At Sea/Total Days</i>
<b>Mob:</b> 15 May 2013		NP12/			
<b>Dep:</b> 16 May 2013	Honolulu, HI, USA	NP12	22N/158W		
<b>Arr:</b> 20 May 2013	Honolulu, HI, USA	NP12	21N/158W	Matthew Church	4/5
<b>Demob:</b> 20 May 2013					

<i>Project</i>	<i>PI/Institution</i>	<i>Project #</i>	<i>Days/Agency/Status</i>
HOT	Matthew Church/UH_SOEST	ARRA 0926766	4/NSF-OCE-CO/F

**Notes:** KM 13-08, HOT-4

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<i>Dates</i>	<i>Ports</i>	<i>Area/Navy Op</i>	<i>Lat/Lon</i>	<i>Chief Scientist</i>	<i>At Sea/Total Days</i>
<b>Mob:</b> 21 May 2013		NP12/			
<b>Dep:</b> 22 May 2013	Honolulu, HI, USA	NP12	22N/158W		
<b>Arr:</b> 05 Jun 2013	Honolulu, HI, USA	NP12	21N/158W	David Karl	14/15
<b>Demob:</b> 05 Jun 2013					

<i>Project</i>	<i>PI/Institution</i>	<i>Project #</i>	<i>Days/Agency/Status</i>
C-MORE	David Karl/UH_SOEST	ef 1002233	14/NSF-BIO-EF/F

**Notes:** KM 13-09 C-MORE-1

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<i>Dates</i>	<i>Ports</i>	<i>Area/Navy Op</i>	<i>Lat/Lon</i>	<i>Chief Scientist</i>	<i>At Sea/Total Days</i>
<b>Mob:</b> 06 Jun 2013		/			
<b>Dep:</b> 06 Jun 2013			0N/0E	Alexander Shor	
<b>Arr:</b> 09 Jun 2013			0N/0E	Maintenance	3/3
<b>Demob:</b> 09 Jun 2013					

**Notes:** Caley slew ring installation

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<i>Dates</i>	<i>Ports</i>	<i>Area/Navy Op</i>	<i>Lat/Lon</i>	<i>Chief Scientist</i>	<i>At Sea/Total Days</i>
<b>Mob:</b> 10 Jun 2013		NP-12/			
<b>Dep:</b> 11 Jun 2013	Honolulu, HI, USA	NP12	22N/158W		
<b>Arr:</b> 21 Jun 2013	Honolulu, HI, USA	NP12	21N/158W	David Karl	10/11
<b>Demob:</b> 21 Jun 2013					

<i>Project</i>	<i>PI/Institution</i>	<i>Project #</i>	<i>Days/Agency/Status</i>
C-MORE	David Karl/UH_SOEST	ef 1002233	10/NSF-BIO-EF/F

**Notes:** KM 13-10 C-MORE-2

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<i>Dates</i>	<i>Ports</i>	<i>Area/Navy Op</i>	<i>Lat/Lon</i>	<i>Chief Scientist</i>	<i>At Sea/Total Days</i>
<b>Mob:</b> 23 Jun 2013		NP-12/			
<b>Dep:</b> 24 Jun 2013	Honolulu, HI, USA	NP12	22N/158W		
<b>Arr:</b> 28 Jun 2013	Honolulu, HI, USA	NP12	21N/158W	Matthew Church	4/5
<b>Demob:</b> 28 Jun 2013					

<i>Project</i>	<i>PI/Institution</i>	<i>Project #</i>	<i>Days/Agency/Status</i>
HOT	Matthew Church/UH_SOEST	ARRA 0926766	4/NSF-OCE-CO/F

**Notes:** KM 13-11 HOT-5

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<i>Dates</i>	<i>Ports</i>	<i>Area/Navy Op</i>	<i>Lat/Lon</i>	<i>Chief Scientist</i>	<i>At Sea/Total Days</i>
<b>Mob:</b> 30 Jun 2013		/			
<b>Dep:</b> 01 Jul 2013	Honolulu, HI, USA	NP12	21N/158W		

**Arr:** 28 Jul 2013 San Diego, CA, USA NA09 32N/90W Zackary I. Johnson 28/30  
**Demob:** 29 Jul 2013

<b>Project</b>	<b>PI/Institution</b>	<b>Project #</b>	<b>Days/Agency/Status</b>
Temp/Pro	Zackary I. Johnson/DUML	1031064/1030518	30/NSF-OCE-BIO/F

**Notes:** KM 13-12 Z Johnson-2 Honolulu to San Diego

<b>Dates</b>	<b>Ports</b>	<b>Area/Navy Op</b>	<b>Lat/Lon</b>	<b>Chief Scientist</b>	<b>At Sea/Total Days</b>
<b>Mob:</b> 30 Jul 2013		/			
<b>Dep:</b> 30 Jul 2013	San Diego, CA, USA	NP09	33N/117W	Alexander Shor	
<b>Arr:</b> 04 Aug 2013	Seattle, WA, USA	NP09	48N/122W	Transit	5/5
<b>Demob:</b> 04 Aug 2013					

<b>Project</b>	<b>PI/Institution</b>	<b>Project #</b>	<b>Days/Agency/Status</b>
Transit		Not Specified	5/NSF-OCE-BIO/F

**Notes:** KM 13-13 Transit to Seattle

<b>Dates</b>	<b>Ports</b>	<b>Area/Navy Op</b>	<b>Lat/Lon</b>	<b>Chief Scientist</b>	<b>At Sea/Total Days</b>
<b>Mob:</b> 05 Aug 2013		/			
<b>Dep:</b> 07 Aug 2013	Seattle, WA, USA	NP09	48N/122W		
<b>Arr:</b> 06 Sep 2013	Honolulu, HI, USA	NP12	21N/158W	Anitra E. Ingalls	30/33
<b>Demob:</b> 07 Sep 2013					

<b>Project</b>	<b>PI/Institution</b>	<b>Project #</b>	<b>Days/Agency/Status</b>
Biodiversity	Anitra E. Ingalls/UW	1046017	32/NSF-OCE-BIO/F

**Notes:** KM 13-14 Ingalls

<b>Dates</b>	<b>Ports</b>	<b>Area/Navy Op</b>	<b>Lat/Lon</b>	<b>Chief Scientist</b>	<b>At Sea/Total Days</b>
<b>Mob:</b> 09 Sep 2013		/			
<b>Dep:</b> 10 Sep 2013	Honolulu, HI, USA	NP12	21N/158W		
<b>Arr:</b> 14 Sep 2013	Honolulu, HI, USA	NP12	21N/158W	Matthew Church	4/5
<b>Demob:</b> 14 Sep 2013					

<b>Project</b>	<b>PI/Institution</b>	<b>Project #</b>	<b>Days/Agency/Status</b>
HOT	Matthew Church/UH_SOEST	ARRA 0926766	4/NSF-OCE-CO/F

**Notes:** KM 13-15 HOT-6

<b>Dates</b>	<b>Ports</b>	<b>Area/Navy Op</b>	<b>Lat/Lon</b>	<b>Chief Scientist</b>	<b>At Sea/Total Days</b>
<b>Mob:</b> 14 Sep 2013		/			
<b>Dep:</b> 16 Sep 2013	Honolulu, HI, USA	NP12	22N/158W		
<b>Arr:</b> 28 Sep 2013	Honolulu, HI, USA	NP12	21N/158W	David Karl	12/14
<b>Demob:</b> 28 Sep 2013					

<b>Project</b>	<b>PI/Institution</b>	<b>Project #</b>	<b>Days/Agency/Status</b>
C-MORE	David Karl/UH_SOEST	ef 1002233	12/NSF-BIO-EF/F

**Notes:** KM 13-16 C-MORE-3

<b>Dates</b>	<b>Ports</b>	<b>Area/Navy Op</b>	<b>Lat/Lon</b>	<b>Chief Scientist</b>	<b>At Sea/Total Days</b>
<b>Mob:</b> 29 Sep 2013		NP-12/			
<b>Dep:</b> 30 Sep 2013	Honolulu, HI, USA	NP12	22N/158W		
<b>Arr:</b> 04 Oct 2013	Honolulu, HI, USA	NP12	21N/158W	Matthew Church	4/5
<b>Demob:</b> 04 Oct 2013					

<b>Project</b>	<b>PI/Institution</b>	<b>Project #</b>	<b>Days/Agency/Status</b>
HOT	Matthew Church/UH_SOEST	OCE 1260164	4/NSF-OCE-CO/F

**Notes:** KM 13-17 HOT-7

<b>Dates</b>	<b>Ports</b>	<b>Area/Navy Op</b>	<b>Lat/Lon</b>	<b>Chief Scientist</b>	<b>At Sea/Total Days</b>
<b>Mob:</b> 13 Oct 2013		/			
<b>Dep:</b> 18 Oct 2013	Honolulu, HI, USA	NP12	21N/158W		
<b>Arr:</b> 21 Oct 2013	Honolulu, HI, USA	NP12	21N/158W	Alexander Shor	3/8
<b>Demob:</b> 21 Oct 2013					

<b>Project</b>	<b>PI/Institution</b>	<b>Project #</b>	<b>Days/Agency/Status</b>
ROV Test Ops	Alexander Shor/UH_SOEST	Not Specified	3/INST-UH/F

**Notes:** KM 13-18. ROV testing and initial operations.

<b>Dates</b>	<b>Ports</b>	<b>Area/Navy Op</b>	<b>Lat/Lon</b>	<b>Chief Scientist</b>	<b>At Sea/Total Days</b>
<b>Mob:</b> 25 Oct 2013		NP-12/			
<b>Dep:</b> 26 Oct 2013	Honolulu, HI, USA	NP12	22N/158W		
<b>Arr:</b> 30 Oct 2013	Honolulu, HI, USA	NP12	21N/158W	Matthew Church	4/5
<b>Demob:</b> 30 Oct 2013					

<b>Project</b>	<b>PI/Institution</b>	<b>Project #</b>	<b>Days/Agency/Status</b>
HOT	Matthew Church/UH_SOEST	OCE 1260164	4/NSF-OCE-CO/F

**Notes:** KM 13-19 HOT-8

<b>Dates</b>	<b>Ports</b>	<b>Area/Navy Op</b>	<b>Lat/Lon</b>	<b>Chief Scientist</b>	<b>At Sea/Total Days</b>
<b>Mob:</b> 02 Nov 2013		/			
<b>Dep:</b> 03 Nov 2013	Honolulu, HI, USA	NP12	10N/148W		
<b>Arr:</b> 23 Nov 2013	Honolulu, HI, USA	NP12	10N/148W	John R. Smith	20/22
<b>Demob:</b> 24 Nov 2013					

<b>Project</b>	<b>PI/Institution</b>	<b>Project #</b>	<b>Days/Agency/Status</b>
Bottom Sampling	Alexander Shor/UH_SOEST	Not Specified	20/OTHER/F

**Notes:** KM 13-20 DORD Manganese (dredging and coring).

<b>Dates</b>	<b>Ports</b>	<b>Area/Navy Op</b>	<b>Lat/Lon</b>	<b>Chief Scientist</b>	<b>At Sea/Total Days</b>
<b>Mob:</b> 24 Nov 2013		NP-12/			
<b>Dep:</b> 25 Nov 2013	Honolulu, HI, USA	NP12	22N/158W		
<b>Arr:</b> 29 Nov 2013	Honolulu, HI, USA	NP12	21N/158W	Matthew Church	4/5
<b>Demob:</b> 29 Nov 2013					

<b>Project</b>	<b>PI/Institution</b>	<b>Project #</b>	<b>Days/Agency/Status</b>
HOT	Matthew Church/UH_SOEST	OCE 1260164	4/NSF-OCE-CO/F

**Notes:** KM 13-21 HOT-9

<b>Dates</b>	<b>Ports</b>	<b>Area/Navy Op</b>	<b>Lat/Lon</b>	<b>Chief Scientist</b>	<b>At Sea/Total Days</b>
<b>Mob:</b> 06 Dec 2013		Station Aloha/			
<b>Dep:</b> 09 Dec 2013	Honolulu, HI, USA	NP12	23N/158W		
<b>Arr:</b> 11 Dec 2013	Honolulu, HI, USA	NP12	23N/158W	Alexander Shor	2/5
<b>Demob:</b> 11 Dec 2013					

**Ancil Facs:** Other ROV

<b>Project</b>	<b>PI/Institution</b>	<b>Project #</b>	<b>Days/Agency/Status</b>
ROV TESTING	Alexander Shor/UH_SOEST	Not Specified	2/INST-UH/F

**Notes:** KM 13-22 ROV TESTS

<b>Dates</b>	<b>Ports</b>	<b>Area/Navy Op</b>	<b>Lat/Lon</b>	<b>Chief Scientist</b>	<b>At Sea/Total Days</b>
<b>Mob:</b> 18 Dec 2013		/			
<b>Dep:</b> 19 Dec 2013	Honolulu, HI, USA	NP12	21N/158W		
<b>Arr:</b> 23 Dec 2013	Honolulu, HI, USA	NP12	21N/158W	Matthew Church	4/5
<b>Demob:</b> 23 Dec 2013					

<b>Project</b>	<b>PI/Institution</b>	<b>Project #</b>	<b>Days/Agency/Status</b>
HOT	Matthew Church/UH_SOEST	OCE 1260164	4/NSF-OCE-CO/F

**Notes:** KM 13-23 HOT-10

<b>Agency</b>	<b>Funded</b>	<b>Pending</b>	<b>Total</b>
INST	7	0	7
NSF	167	0	167
OTHER	67	0	67
<b>Total</b>	241	0	241