

**2009 - Kilo Moana**

Final - ID #10577 - Version #20 - 1/5/2010

**Scheduling Contact(s):**

Alan C. Hilton

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**Notes:****Associated Cruises**

<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> 12 Jan 2009		Hawaii/			
<b>Dep:</b> 12 Jan 2009	Honolulu, HI, USA	NP12	21N/158W		
<b>Arr:</b> 17 Jan 2009	Honolulu, HI, USA	NP12	21N/158W	Tim Schnoor	5/5
<b>Demob:</b> 17 Jan 2009					

<b>Project</b>	<b>PI/Institution</b>	<b>Project #</b>	<b>Days/Agency/Status</b>
INSURV	Tim Schnoor/ONR	Not Specified	5/NAVY-ONR/F

**External Cruise Web Page:** INSURV

<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> 17 Jan 2009		Hawaiian Island/			
<b>Dep:</b> 19 Jan 2009	Honolulu, HI, USA	NP12	21N/158W		
<b>Arr:</b> 23 Jan 2009	Honolulu, HI, USA	NP12	21N/158W	David Karl	4/7
<b>Demob:</b> 24 Jan 2009					

<b>Project</b>	<b>PI/Institution</b>	<b>Project #</b>	<b>Days/Agency/Status</b>
HOTS	David Karl/UH_SOEST	OCE-0326616	4/NSF-OCE-BIO/F

<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> 26 Jan 2009		Honolulu/			
<b>Dep:</b> 26 Jan 2009	Honolulu, HI, USA	NP12	21N/158W	Brian Taylor	
<b>Arr:</b> 29 Jan 2009	Honolulu, HI, USA	NP12	21N/158W	Maintenance	4/4
<b>Demob:</b> 29 Jan 2009					

<b>Project</b>	<b>PI/Institution</b>	<b>Project #</b>	<b>Days/Agency/Status</b>
COI USCG-ABS	Brian Taylor/UH_Manoa	Not Specified	0/STATE/NonOP

<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 Jan 2009		Hawaii/			
<b>Dep:</b> 30 Jan 2009	Honolulu, HI, USA	NP12	21N/158W		
<b>Arr:</b> 04 Feb 2009	Honolulu, HI, USA	NP12	21N/158W	Brian Taylor	5/7
<b>Demob:</b> 04 Feb 2009					

<b>Project</b>	<b>PI/Institution</b>	<b>Project #</b>	<b>Days/Agency/Status</b>
Student Cruise	Brian Taylor/UH_Manoa	Not Specified	5/STATE/F

<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 Feb 2009		Hawaii/			
<b>Dep:</b> 04 Feb 2009	Honolulu, HI, USA	NP12	21N/158W		
<b>Arr:</b> 07 Feb 2009	Honolulu, HI, USA	NP12	21N/158W	Brian Taylor	3/3
<b>Demob:</b> 07 Feb 2009					

<b>Project</b>	<b>PI/Institution</b>	<b>Project #</b>	<b>Days/Agency/Status</b>
Student Cruise	Brian Taylor/UH_Manoa	Not Specified	3/STATE/F

<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> 07 Feb 2009		Hawaii/			
<b>Dep:</b> 07 Feb 2009	Honolulu, HI, USA	NP12	21N/158W		
<b>Arr:</b> 10 Feb 2009	Honolulu, HI, USA	NP12	21N/158W	Brian Taylor	3/3
<b>Demob:</b> 10 Feb 2009					

<b>Project</b>	<b>PI/Institution</b>	<b>Project #</b>	<b>Days/Agency/Status</b>
Student Cruise	Brian Taylor/UH_Manoa	Not Specified	3/STATE/F

<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 Feb 2009		Hawaii/			
<b>Dep:</b> 12 Feb 2009	Honolulu, HI, USA	NP12	21N/158W		
<b>Arr:</b> 15 Feb 2009	Honolulu, HI, USA	NP12	21N/158W	Brian Taylor	3/4
<b>Demob:</b> 15 Feb 2009					

<b>Project</b>	<b>PI/Institution</b>	<b>Project #</b>	<b>Days/Agency/Status</b>
Student Cruise	Brian Taylor/UH_Manoa	Not Specified	3/STATE/F

<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 Feb 2009		/			
<b>Dep:</b> 16 Feb 2009	Honolulu, HI, USA	NP12	22N/158W		
<b>Arr:</b> 20 Feb 2009	Honolulu, HI, USA	NP08	30N/158W	David Karl	4/7
<b>Demob:</b> 21 Feb 2009					

<b>Project</b>	<b>PI/Institution</b>	<b>Project #</b>	<b>Days/Agency/Status</b>
HOTS	David Karl/UH_SOEST	OCE-0326616	4/NSF-OCE-BIO/F

<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> 27 Feb 2009		North Pacific/			
<b>Dep:</b> 27 Feb 2009	Honolulu, HI, USA	NP12	21N/158W		
<b>Arr:</b> 17 Mar 2009	Kao-hsiung, Taiwan	NP10	23N/120E	Transit	18/18
<b>Demob:</b> 17 Mar 2009					

<b>Project</b>	<b>PI/Institution</b>	<b>Project #</b>	<b>Days/Agency/Status</b>
		Not Specified	18/NAVY-ONR/F

<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 Mar 2009		/			
<b>Dep:</b> 20 Mar 2009	Kao-hsiung, Taiwan	IN02	15N/120E		
<b>Arr:</b> 09 Apr 2009	Kao-hsiung, Taiwan	IN02	15N/120E	Ren-Chieh Lien	21/24
<b>Demob:</b> 10 Apr 2009					

**Clearances:** Taiwan(T)

<b>Project</b>	<b>PI/Institution</b>	<b>Project #</b>	<b>Days/Agency/Status</b>
WP Ocean/Typhoon	Ren-Chieh Lien/UW_APL	N00014-08-1-0560	24/NAVY-ONR/F

<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 Apr 2009		Philippine Sea/			
<b>Dep:</b> 14 Apr 2009	Kao-hsiung, Taiwan	NP10	18N/122E		
<b>Arr:</b> 13 May 2009	Kao-hsiung, Taiwan	NP10	22N/126E	Arthur B. Baggeroer	30/34

**Demob:** 14 May 2009

**Clearances:** Japan(T)

<b>Project</b>	<b>PI/Institution</b>	<b>Project #</b>	<b>Days/Agency/Status</b>
NPAL	Arthur B. Baggeroer/MIT	N00014-0701-0326	34/NAVY-ONR/F

<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> 15 May 2009		North Pacific/			
<b>Dep:</b> 15 May 2009	Kao-hsiung, Taiwan	NP10	23N/120E	Bauke Houtman	
<b>Arr:</b> 20 May 2009	Apra Harbor, Guam	NP10	14N/145E	Transit	6/6
<b>Demob:</b> 20 May 2009					

<b>Project</b>	<b>PI/Institution</b>	<b>Project #</b>	<b>Days/Agency/Status</b>
		Not Specified	6/NAVY-ONR/F

<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> 21 May 2009		Marianas trench/			
<b>Dep:</b> 23 May 2009	Apra Harbor, Guam	NP10	14N/140E		
<b>Arr:</b> 05 Jun 2009	Apra Harbor, Guam	NP10	14N/140E	Andrew D. Bowen	14/17
<b>Demob:</b> 06 Jun 2009					

<b>Project</b>	<b>PI/Institution</b>	<b>Project #</b>	<b>Days/Agency/Status</b>
2009 HROV Tests	Andrew D. Bowen/WHOI	0334411	12/NSF-OCE/F
Challenger Deep	Patricia Fryer/UH_HIGP	0453105	5/NSF-OCE-MGG/F

<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> 07 Jun 2009		/			
<b>Dep:</b> 07 Jun 2009	Apra Harbor, Guam	NP10	14N/145E		
<b>Arr:</b> 18 Jun 2009	Honolulu, HI, USA	NP12	21N/158W	Transit	13/13
<b>Demob:</b> 18 Jun 2009					

<b>Project</b>	<b>PI/Institution</b>	<b>Project #</b>	<b>Days/Agency/Status</b>
		Not Specified	13/NSF-Unspecified/F

<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> 20 Jun 2009		/			
<b>Dep:</b> 22 Jun 2009	Honolulu, HI, USA	NP12	22N/158W		
<b>Arr:</b> 30 Jun 2009	Honolulu, HI, USA	NP12	22N/158W	David Karl	8/10
<b>Demob:</b> 30 Jun 2009					

<b>Project</b>	<b>PI/Institution</b>	<b>Project #</b>	<b>Days/Agency/Status</b>
Center for Microb	David Karl/UH_SOEST	MCB 0424599	4/NSF-BIO-MCB/F
Center for Microb		Not Specified	4/OTHER/F

<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> 01 Jul 2009		/			
<b>Dep:</b> 02 Jul 2009	Honolulu, HI, USA	NP12	22N/158W		
<b>Arr:</b> 06 Jul 2009	Honolulu, HI, USA	NP08	30N/158W	David Karl	4/5
<b>Demob:</b> 06 Jul 2009					

<b>Project</b>	<b>PI/Institution</b>	<b>Project #</b>	<b>Days/Agency/Status</b>
HOTS	David Karl/UH_SOEST	OCE-0326616	4/NSF-OCE-BIO/F

<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>
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**Mob:** 07 Jul 2009 Hawaii/  
**Dep:** 09 Jul 2009 Honolulu, HI, USA NP12 23N/158W  
**Arr:** 17 Jul 2009 Honolulu, HI, USA NP12 23N/158W Al Plueddemann 8/10  
**Demob:** 17 Jul 2009

**Project** **PI/Institution** **Project #** **Days/Agency/Status**  
 Ocean Reference Stat Robert A. Weller/WHOI NA17RJ1223 8/NOAA/F

**Dates** **Ports** **Area/Navy Op** **Lat/Lon** **Chief Scientist** **At Sea/Total Days**  
**Mob:** 18 Jul 2009 Hawaii/  
**Dep:** 19 Jul 2009 Honolulu, HI, USA NP12 21N/158W  
**Arr:** 21 Jul 2009 Honolulu, HI, USA NP12 21N/158W Brian Taylor 2/3  
**Demob:** 21 Jul 2009

**Project** **PI/Institution** **Project #** **Days/Agency/Status**  
 Bottom Mapping Brian Taylor/UH\_Manoa Not Specified 2/STATE/F

**Dates** **Ports** **Area/Navy Op** **Lat/Lon** **Chief Scientist** **At Sea/Total Days**  
**Mob:** 22 Jul 2009 /  
**Dep:** 23 Jul 2009 Honolulu, HI, USA NP12 22N/158W  
**Arr:** 27 Jul 2009 Honolulu, HI, USA NP08 30N/158W David Karl 4/5  
**Demob:** 27 Jul 2009

**Project** **PI/Institution** **Project #** **Days/Agency/Status**  
 HOTS David Karl/UH\_SOEST OCE-0326616 4/NSF-OCE-BIO/F

**Dates** **Ports** **Area/Navy Op** **Lat/Lon** **Chief Scientist** **At Sea/Total Days**  
**Mob:** 27 Jul 2009 /  
**Dep:** 29 Jul 2009 Honolulu, HI, USA NP08 39N/170W  
**Arr:** 14 Aug 2009 Honolulu, HI, USA NP08 39N/170W Mark A. Brzezinski 16/18  
**Demob:** 14 Aug 2009

**Project** **PI/Institution** **Project #** **Days/Agency/Status**  
 Silica cycling an Mark A. Brzezinski/UCSB 0648130 16/NSF-OCE-CO/F

**Dates** **Ports** **Area/Navy Op** **Lat/Lon** **Chief Scientist** **At Sea/Total Days**  
**Mob:** 16 Aug 2009 Hawaiian Isl./  
**Dep:** 17 Aug 2009 Honolulu, HI, USA NP12 21N/158W  
**Arr:** 21 Aug 2009 Honolulu, HI, USA NP12 21N/158W Matthew Church 4/5  
**Demob:** 21 Aug 2009

**Project** **PI/Institution** **Project #** **Days/Agency/Status**  
 HOT Series Matthew Church/UH\_SOEST Not Specified 4/NSF-OCE-BIO/F

**Dates** **Ports** **Area/Navy Op** **Lat/Lon** **Chief Scientist** **At Sea/Total Days**  
**Mob:** 21 Aug 2009 Hawaii/  
**Dep:** 23 Aug 2009 Honolulu, HI, USA NP12 22N/159W  
**Arr:** 16 Sep 2009 Honolulu, HI, USA NP12 22N/159W Tommy D. Dickey 24/26  
**Demob:** 16 Sep 2009

**Project** **PI/Institution** **Project #** **Days/Agency/Status**  
 RaDyO (Radiance in a Tommy D. Dickey/UCSB N00014-06-1-0050 24/NAVY-ONR/F

**Dates** **Ports** **Area/Navy Op** **Lat/Lon** **Chief Scientist** **At Sea/Total Days**

**Mob:** 17 Sep 2009 /  
**Dep:** 18 Sep 2009 Honolulu, HI, USA NP12 22N/158W  
**Arr:** 21 Sep 2009 Honolulu, HI, USA NP12 22N/158W David Karl 3/4  
**Demob:** 21 Sep 2009

**Project** **PI/Institution** **Project #** **Days/Agency/Status**  
 Center for Microb David Karl/UH\_SOEST MCB 0424599 3/NSF-BIO-MCB/F

Dates	Ports	Area/Navy Op	Lat/Lon	Chief Scientist	At Sea/Total Days
<b>Mob:</b> 22 Sep 2009		Honolulu/			
<b>Dep:</b> 22 Sep 2009	Honolulu, HI, USA	NP12	21N/158W	Brian Taylor	
<b>Arr:</b> 30 Sep 2009	Honolulu, HI, USA	NP12	21N/158W	Maintenance	9/9
<b>Demob:</b> 30 Sep 2009					

**Project** **PI/Institution** **Project #** **Days/Agency/Status**  
 M/E Top End Overhaul Brian Taylor/UH\_Manoa Not Specified 0/STATE/NonOP

Dates	Ports	Area/Navy Op	Lat/Lon	Chief Scientist	At Sea/Total Days
<b>Mob:</b> 28 Sep 2009		/			
<b>Dep:</b> 01 Oct 2009	Honolulu, HI, USA	NP12	19N/155W		
<b>Arr:</b> 17 Oct 2009	Honolulu, HI, USA	NP12	19N/155W	Craig L. Moyer	16/20
<b>Demob:</b> 18 Oct 2009					

**Ancil Facs:** Other ROV

**Project** **PI/Institution** **Project #** **Days/Agency/Status**  
 Collaborative Res Katrina J. Edwards/USC MCB 0348734 16/NSF-BIO-MCB/F

**Notes:** Jason Required

Dates	Ports	Area/Navy Op	Lat/Lon	Chief Scientist	At Sea/Total Days
<b>Mob:</b> 20 Oct 2009		North Pacific/			
<b>Dep:</b> 22 Oct 2009	Honolulu, HI, USA	NP12	21N/159W		
<b>Arr:</b> 27 Nov 2009	Honolulu, HI, USA	NP12	21N/159W	Carsten Ruehlemann	36/38
<b>Demob:</b> 27 Nov 2009					

**Project** **PI/Institution** **Project #** **Days/Agency/Status**  
 Mapping Carsten Ruehlemann/FGNR Not Specified 36/OTHER/F

Dates	Ports	Area/Navy Op	Lat/Lon	Chief Scientist	At Sea/Total Days
<b>Mob:</b> 28 Nov 2009		Hawaii/			
<b>Dep:</b> 29 Nov 2009	Honolulu, HI, USA	NP12	21N/158W		
<b>Arr:</b> 01 Dec 2009	Honolulu, HI, USA	NP12	21N/158W	Russ Davis	2/3
<b>Demob:</b> 01 Dec 2009					

Dates	Ports	Area/Navy Op	Lat/Lon	Chief Scientist	At Sea/Total Days
<b>Mob:</b> 02 Dec 2009		North Pacific/			
<b>Dep:</b> 02 Dec 2009	Honolulu, HI, USA	NP12	21N/158W		
<b>Arr:</b> 10 Dec 2009	Portland, OR, USA	NP09	46N/123W	Transit	9/9
<b>Demob:</b> 10 Dec 2009					

**Project** **PI/Institution** **Project #** **Days/Agency/Status**  
 Not Specified 9/NSF-Unspecified/F

<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 Dec 2009		Portland, OR/			
<b>Dep:</b> 11 Dec 2009	Portland, OR, USA	NP09	46N/123W	Brian Taylor	
<b>Arr:</b> 31 Dec 2009	Portland, OR, USA	NP09	46N/123W	Out of Service	21/21
<b>Demob:</b> 31 Dec 2009					

<b>Project</b>	<b>PI/Institution</b>	<b>Project #</b>	<b>Days/Agency/Status</b>
CTD Installation	Brian Taylor/UH_Manoa	Not Specified	0/STATE/NonOP

**Notes:** Calley CTD System to be installed

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<b>Agency</b>	<b>Funded</b>	<b>Pending</b>	<b>Total</b>
NAVY	111	0	111
NOAA	8	0	8
NSF	98	0	98
OTHER	40	0	40
STATE	16	0	16
<b>Total</b>	<b>273</b>	<b>0</b>	<b>273</b>