Moored Station Log

(fill out log with black ball point pen only)

ARRAY NAME AND NO. WHOTS-9 MOORED STATION NO. 1248

Launch (anchor over)

Date (day-mon-yr) 14-06-2012 Time 0223 UTC

Deployed by Ryder / Pietro Recorder/Observer Plueddemann

Ship and Cruise No. Hi'iaka'ai HA-12-02 Intended Duration 12 mo

Depth Recorder Reading — m Correction Source —

Depth Correction — m

Corrected Water Depth 4668* m Magnetic Variation (E/W)

*(The correct water depth is about 4698m according to HMRG bathymetry)

Anchor Drop Lat. (N/S) 22° 45.845 N Lon. (E/W) 157° 53.857 W

Surveyed Pos. Lat. (N/S) 22° 46.071 N Lon. (E/W) 157° 53.956 W

Argos Platform ID No. see pg 2 for IDs Additional Argos Info on pages 2 and 3

Acoustic Release Model ORE Tested to 1000 m

Release No. 1 (sn) 33408 Release No. 2 (sn) 35318

Interrogate Freq. 11 K Interrogate Freq. 11 K

Reply Freq. 12 K Reply Freq. 12 K

Enable 361035 Enable 111367

Disable 361050 Disable 111400

Release 346341 Release 127455

Recovery (release fired)

Date (day-mon-yr) 14-Jul-2013 Time 16:17 UTC

Latitude (N/S) 22 46.020 N Longitude (E/W) 157 54.245 W

Recovered by Pietro / Whelan Recorder/Observer Plueddemann

Ship and Cruise No. HA-13-03 Actual duration days

Distance from waterline to buoy deck 70 cm

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Surface Components

Buoy Type MOB Color(s) Hull Tower gray hull, white tower, yellow deck

Buoy Markings 'B' contact: U. Hawaii, 808-956-7896

Surface Instrumentation

Item	ID #	Height*	Comments
ASIMET	LØ9	buoy well	system 1 logger
HRH	249	~~249~~ 223	
BPR	502	235.5	
WND	216	258	
PRC	501	242.5	
LWR	205	249.5	
SWR	201	249.5	
SST	1306	-155	
PTT	63878	—	IDs 27356, 27364, 27413
ASIMET	LIØ	buoy well	system 2 logger
HRH	256	227.5	
BPR	224	235.5	
WND	222	260.0	
PRC	205	~~205~~ 241	
LWR	218	249.5	
SWR	226	249.5	
SST	1419	-155	
PTT	63879	—	IDs 7561, 27415, 27416
Xeos GPS	—	—	IMEI 300034013701980
SBE-39 AT	5276	222	
Vaisala WXT	001	261	to center of fingers
pCO_2	22		
radiometers	various	various	see pg 3

*Height above buoy deck in centimeters

ARRAY NAME AND NO. WHOTS-9 MOORED STATION NO. 1248

Subsurface Instrumentation on Buoy and Bridle			
Item	ID #	Depth†	Comments
SST	14977	-80	RBR 1060, 120° CW from vane
SST	14878	-80	RBR 1060, 180°
SST	14978	-95	RBR 1060, 180°
SST	14882	-80	RBR 1060, 240°
SiS	3	bottom of hull	subsurf beacon, Argos ID 9209
CTD	6885	"	PMEL SBE-16 w/fluoro + O_2 optode
pH	35	"	PMEL SAMI SN1332 SN2400
Fluoro	SCF3256	"	Laney SCF chl fluorometer
Laney Radiometers on tower			
TriOS	114766	178	aft, on wind vane / broken off + lost on recovery
TriOS	114765	176	stbd
TriOS	114767	176	bow
TriOS	114764	176	port
TriOS	114768	249	on radiometer stalk, uplooking

†Depth below buoy deck in centimeters

ARRAY NAME AND NO. WHOTS-9 **MOORED STATION NO.** 1248

Item No.	Length (m)	Item	Depth	Inst No.	Time Over	Time Back	Notes
1		buoy	0		1930	7-15-2013 0313	port side HRH shield damaged on recovery
2	7.75	3/4" chain					
3		vmcm	10	011	1832	0327	bands off spin! 1827 | no fishing line on pickup both props free
4	2.82	3/4 chain					
5		µCAT	15	3382	1831	0330	CT
6	3.66	3/4 chain					
7		MAVS	20	10261	1826	0335	head down
8	2.8	3/4 chain					
9		µCAT	25	4663	1823	0337	CT
10	3.28	3/4 chain					
11		VMCM	30	061	1818	0340	spin, bands off 1811 | no fishing line both props free
12	2.82	3/4 chain					
13		µCAT	35	3633	1814	0343	CT
14	3.66	3/4 chain					
15		µCAT	40	3381	1808	0346	CT
16	3.66	3/4 chain					
17		µCAT	45	3668	6/13 1803	0347	CTP
18	1.07	3/4 chain					cast off at 0216
19		ADCP	47.5	13917	1949	0204	
20	0.5	3/4 chain				0204	
21		µCAT	50	3619	1949	0202	CT no cell guard on recovery
22	3.66	3/4 chain				0202	
23		µCAT	55	3620	1952	0159	CT bump on deck
24	8.7	7/16 wire		11-257-10		0159	
25		µCAT	65	3621	1957	0156	CT

ARRAY NAME AND NO. WHOTS-9 **MOORED STATION NO.** 1248

Item No.	Length (m)	Item	Depth	Inst No.	Time Over	Time Back	Notes
26	8.7	7/16 wire		11257-13		0156	
27		μCAT	75	3632	2000	0152	CT
28	8.7	7/16 wire		11257-9		0152	
29		μCAT	85	4699	2003	0147	CTP
30	8.7	7/16 wire		11257-8		0147	
31		μCAT	95	3791	2006	0143	~~CTP~~ CT only
32	8.7	7/16 wire		11257-12		0143	
33		μCAT	105	2769	2013	0137	CTP
34	13.6	7/16 wire		11257-7		0137	
35		μCAT	120	4700	2015	0128	CTP
36	3.66	3/4 chain		~~11257-11~~		0128	
37		ADCP	125	7637	2019	0125	~~S/N 3426~~ battery case
38	8.7	7/16 wire		11257-11		0125	
39		μCAT	135	3669	2023	0120	CTP
40	18.75	7/16 wire		11257-6		0120	
41		μCAT	155	4701	2034	0113	CTP
42	250	3/8 wire		11064-4		0113	
43	500	3/8 wire		11257-3	2044	0104	link straight
44	500	3/8 wire		~~11257~~	2102 11061-1	0048	this link also caught
45	500	3/8 wire		11257-2	2117	0034	termination link is caught on shoulder of schackle
46	100	3/8 wire		11061-5	2130	0017	↑
47	200	7/8 nylon			2133	7-15-2013 0011	
48	2050	7/8 nylon			2156	2350	7/14
49	1500	1" colmega			2250	2226	
50		Glass Balls		start end	2356 0100 14 June	1830	ten imploded balls on recovery counted 80 balls

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Item No.	Length (m)	Item	Depth	Inst No.	Time Over	Time Back	Notes
					14 Jun	14 July	
51		SBE-16	*	1880	0200	1841	* approx 37m above the bottom, side by side on load bar
52		SBE-16	*	1881	0200	1841	
53	5	½ chain			0201		
54		Release		33408	0202	1852	
55		Release		35318	0202	1852	
56	5	½ chain			0215		
57	20	1" Nystron			0216		
58	5	½ chain		0224	~~1624~~		
59		anchor		0224	~~1624~~		
60							
61							
62							
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