

Moored Station Log

(fill out log with black ball point pen only)

ARRAY NAME AND NO. WHOTS-11 MOORED STATION NO. 1267

Launch (anchor over)

Date (day-mon-yr) 17-07-2014 Time 0240 UTC

Deployed by Pietro/Whelan Recorder/Observer Plueddemann

Ship and Cruise No. Hi'ialakai HA-14-03 Intended Duration 12 mo

Depth Recorder Reading 4689 m Correction Source ducer depth +5m, HOT SSPd = 1504, 0.27% = +13m

Depth Correction 18 m

Corrected Water Depth 4707 m Magnetic Variation (E/W) _____

Anchor Drop Lat. (N/S) 22° 46.035 N Lon. (E/W) 157° 53.784' W

Surveyed Pos. Lat. (N/S) 22° 45.981 Lon. (E/W) 157° 53.964 W

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

Acoustic Release Model EGG 8242 Tested to ~~1500~~ 1000 m

Release No. 1 (sn) 35316 Release No. 2 (sn) 35317

Interrogate Freq. 11kHz Interrogate Freq. 11kHz

Reply Freq. 12kHz Reply Freq. 12kHz

Enable 111273 Enable ~~111321~~ 111321

Disable 111302 Disable 111344

Release 127413 Release 127430

Recovery (release fired)

Date (day-mon-yr) 14 July 2015 Time 16:56 UTC

Latitude (N/S) 22° 46' 00" N Longitude (E/W) 157° 53' 56.3"

Recovered by Pietro/Smith Recorder/Observer Dumitrascu

Ship and Cruise No. Hi'ialakai HA 15-04 Actual duration 372 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

Buoy Markings 'B', If sound adrift: U. Hawaii 808-956-7896

Surface Instrumentation

Item	ID #	Height*	Comments
Logger	L19	-	
PTT	99595	-	IDs 14663, 14677, 14697
HRH	219	222	
BPR	212	235	
WND	216	270	
PRC	501	247	
LWR	224	283	
SWR	201	283	
SST	1306	-151	
Logger	L07	-	
PTT	107 99596	-	IDs 27356, 27364, 27413
HRH	256	256 222	
BPR	503	235	
WND	238	238 270	
PRC	216	216 247	
LWR	206	283	
SWR	223	283	
SST	1727	-151	
Xeos Melo	1980	242	IMEI 3000 340 1370 198
SBE-39 AT	5276	217	
Vaisala WXT	6	225	
Lascaz	10020074	250	
pCO2	see pg 3	-	
Radiom.	see pg 3	-	

*Height above buoy deck in centimeters

Subsurface Instrumentation on Buoy and Bridle			
Item	ID #	Depth [†]	Comments
SST	76107	80	RBR Solo-T, 180° CW from vane
SST	76112	98	RBR Solo-T, 180°
SST	76105	80	RBR Solo-T, 120°
SST	76113	80	RBR Solo T, 240°
S&S	3		ID 009209 Arops beacon
PME1	<u>pCO₂ system</u>		
pCO ₂	144	90-ht,	Battelle pCO ₂
CTD	7409	~150	Seabird SBE-16
pH	95	~150	SEAFET pH
Fluoro	3012	~150	ECO-FLNTU
oxygen	630480	~150	Seabird SBE-63
	<u>Laney radiometers + Fluoro</u>		
Irrad	8396	282 ht	uplooking on tower
Rad	8394	175 ht	downlooking, stbd quarter
Rad	839B	175 ht	downlooking, port beam
Rad	8393	175 ht	downlooking, port quarter
Fluoro	SCF3256	150	seapoint SCF, buoy hull
†Depth below buoy deck in centimeters			

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16 July 2014 14-15 July 2015

Item No.	Length (m)	Item	Depth	Inst No.	Time Over	Time Back	Notes
1		buoy	0	-	1907	01:11:24	
2	5.26	3/4 chain		-			
3		MCAT	7	6892	1905	01:31:26	out of water again during haul-back, ~ 1920
4	1.30	3/4 chain		-			
5		VMCM	10	62	1842	01:31:43	bands off 1823
6	2.82	3/4 chain		-			
7		MCAT	15	3382 3882	1826	01:34:26	
8	8.10	3/4 chain		-			
9		MCAT	25	4663	1817	01:38:40	
10	3.28	3/4 chain		-			
11		VMCM	30	83	1816	01:42:32	bands off 18:09
12	2.82	3/4 chain		-			
13		MCAT	35	3633	1812	01:45:06	
14	3.66	3/4 chain		-			
15		MCAT	40	3381	1807	01:45:43	
16	3.66	3/4 chain		-			
17		MCAT	45	3668	1801	01:50:14 23:50:24	Went back in the water after the removal of ADCP
18	107	3/4 chain					
19		ADCP	47.5	13917	1930	23:47:21	600kHz
20	75.5	7/16 wire rope		13025-8			
21		MCAT	50	3619	1930	23:47:27	
22		MCAT	55	3620	1931	23:46:48	
23		MCAT	65	3621	1933	23:44:38	
24		MCAT	75	3632	1934	23:43:43	
25		MCAT	85	4699	1936	23:43:10	

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Item No.	Length (m)	Item	Depth	Inst No.	Time Over	Time Back	Notes
26		μ CAT	95	3791	1937	23:42:25	
27		μ CAT	105	2769	1938	23:41:42	
28		μ CAT	120	4700	1945	23:40:23	
29		ADCP	125	7637	1945	23:37:25	300kHz
30	250	$\frac{3}{8}$ wire		13025-4			
31		μ CAT	135	3669	1947	23:36:25	
32		μ CAT	155	4701	1949	23:34:58	
33	500	$\frac{3}{8}$ wire		13025-2		23:09:59	
34	500	$\frac{3}{8}$ wire		14024-3		22:52:20	
35	500	$\frac{3}{8}$ wire		14024-1		22:28:28	
36	100	$\frac{3}{8}$ wire		13025-6		22:24:26	urethane termination
37	200	$\frac{7}{8}$ nylon		—	2103	22:12:23	
38	2050	$\frac{1}{8}$ nylon		—	2144	20:56:58	
39	1500	1" colmega		—	2334	20:06:27	start
40		glass balls			2350 start	19:14:07	qty 68 balls, 19:23:06 all batts qty: 52 good 244 16 broken 244
41		SBE-16	36m	1880	0208		no poison plugs
42		SBE-16	above bottom	1881	7/17	19:15:23	
43	5	$\frac{1}{2}$ chain					
44		release		35316	0210	19:21:10	
45		release		35317			
46	5	$\frac{1}{2}$ chain					
47	20	1" samson					
48	5	$\frac{1}{2}$ chain					
49		anchor			0240		
50							