Moored Station Log

(fill out log with black ball point pen only)

ARRAY NAME AND NO. WHOTS-10 MOORED STATION NO. 1264

Launch (anchor over)

Date (day-mon-yr) 11 Jul 2013 Time 04:26:53 UTC

Deployed by Pietro/Whelan Recorder/Observer Plueddemann

Ship and Cruise No. Hi'ialakai HA-13-03 Intended Duration 12 mo

Depth Recorder Reading 4737 m Correction Source ducer depth + 5m, climatol. HOT site sound spd = 1505 = 0.3% = 14 m

Depth Correction 19 m

Corrected Water Depth 4756 m Magnetic Variation (E/W)

Anchor Drop Lat. (N/S) 22°40.115 N Lon. (E/W) 157° 56.830 W

Surveyed Pcs. Lat. (N/S) 22° 40.118 N Lon. (E/W) 157° 57.010 W

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

Acoustic Release Model BACS 8242 Tested to 1000/500 m

Release No. 1 (sn) 32481 Release No. 2 (sn) 32483

Interrogate Freq. 11 kHz Interrogate Freq. 11 kHz

Reply Freq. 12 kHz Reply Freq. 12 kHz

Enable 114617 Enable 114703

Disable 114634 Disable 114720

Release 132132 Release 132174

Recovery (release fired)

Date (day-mon-yr) 20-07-2014 Time 1623 UTC

Latitude (N/S) 22° 40.341 N Longitude (E/W) 157° 56.977 W

Recovered by Pietro/Whelan Recorder/Observer Plueddemann

Ship and Cruise No. HA-14-03 Actual duration 375 days

Distance from waterline to buoy deck 65 cm

ARRAY NAME AND NO. WHOTS-10 MOORED STATION NO. 1264

Surface Components

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

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

Surface Instrumentation

Item	ID #	Height*	Comments
Logger ASIMET	215	buoy well	SYS 1
HRH	221	235	
BPR	218	237	
WND	206	266	
PRC	219	248	
LWR	212	279	
SWR	502	279	
SST	1834	-151	
PTT	14637	—	IDs 7563, 7581, 7582
Logger	LØ8	buoy well	SYS2
HRH	246	235	radiation shield smashed on recovery
BPR	234	237	
WND	344	266	
PRC	210	248	
LWR	214	279	
SWR	218	279	
SST	1841	-151	
PTT	12790	—	IDs 6930, 7387, 14708
Xeos Melo	7580	243	IMEI 300034013707580
SBE-39 AT	1446	224	
Vaisala WXT	002	258	
Lascar	12104	200	
pCO_2	0132		
radiom. (Laney)	(see pg 3)		

*Height above buoy deck in centimeters

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Subsurface Instrumentation on Buoy and Bridle			
Item	ID #	Depth†	Comments
SST	14813	82	RBR 1060, 180° cw fr. vane
SST	14879	96	RBR 1060, 180°
SST	14875	82	RBR 1060, 240°
SST	19714	82	RBR 1060, 120°
SiS	14	buoy base	Argos beacon ID 24576
CTD	6883	151	PMEL SBE-16, optode + fluoro
pH	P0032	151	PMEL SAMI pH
Fluoro	SCF3257	151	Laney fluoro.
Laney radiometers on tower			
Irrad.	835E	280	uplooking on tower
Rad	835A	176	downlooking, on vane
Rad	835B	176	" , stbd
Rad	835D	176	" , bow
Rad	835F	176	" , port
			broken off mount + fell to deck on recovery

†Depth below buoy deck in centimeters

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Item No.	Length (m)	Item	Depth	Inst No.	Time Over (10 July UTC)	Time Back (21 July)	Notes
1		buoy	0	—	1903	0504	
2	7.75	3/4 chain		—			
3		VMCM	10	016	1833	0512	bands off 1825
4	2.82	3/4 chain		—			
5		µCAT	15	6893	1833	0514	
6	3.6	3/4 chain		—			
7		MAVS	20	~~6894~~ 10260	1827	0518	
8	2.8	3/4 chain		—			
9		µCAT	25	6894	1814	0521	3 dunks while dealing w/ MAVS
10	3.28	3/4 chain		—	(1822) (1826)		
11		VMCM	30	019	1808	0524	bands off 1806
12	2.82	3/4 chain		—			broken blade on both upper + lower props
13		µCAT	35	6895	1807	0525	
14	3.66	3/4 chain		—			
15		µCAT	40	6896	1803	0528	
16	3.66	3/4 chain		—			
17		µCAT	45	6887	1758	0528	broke mooring here for recovery + cast off buoy
18	1.07	~~ADCP~~ 3/4 chain		—			
19		ADCP	47.5	1825	1922	0322	600kHz
20	75.5	7/16 wire		13025-7		0322	
21		µCAT	50	6897	1922	0322	clamped to wire
22		µCAT	55	6898	1923	0321	"
23		µCAT	65	6899	1924	0320	"
24		µCAT	75	3618	1925	0319	"
25		µCAT	85	6888	1927	0318	"

ARRAY NAME AND NO. WHOTS-10 MOORED STATION NO. 1264

Item No.	Length (m)	Item	Depth	Inst No.	Time Over (10 July)	Time Back (21 July)	Notes
26		μCAT	95	3617	1927	0317	clamped to wire
27		μCAT	105	6889	1928	0316	" missing upper clamp recovery
28		μCAT	120	6890	1929	0315	"
29		ADCP	125	4891 ~~3169~~	1934	0312	300 kHz
30	250	3/8 wire		11257-4	~~11257~~	0312	
31		μCAT	135	3634	1935	0311	
32		μCAT	155	6891	1936	0308	
33	500	3/8 wire		13025-3		0303	
34	500	3/8 wire		1127-1	2021	0251	shackle/link hockled on recovery
35	500	3/8 wire		13025-1	2044	0239	
36	100	3/8 wire		13025-5	2108	0226	Problem with air tugger brake
37	200	7/8 nylon		—	2112	0222	
38	2100	7/8 nylon		—	2134	0212	
39	1500	1" colmega		—	2240	21 July 0059	
40		glass balls		—	10 July 0002	20 July 2015	counted 9 strings of 8 = 72 10 broken on recovery
41		SBE-16	36 m above bottom	1882	0324	2053	no antifouling plugs on either instrument
42		SBE-16		2325	0324	2053	
43	5	1/2 chain		—			
44		Release		32481	0325	2054	
45		Release		32483	0325	2054	
46	5	1/2" chain		—			
47	20	1" nylon		—			
48	5	1/2 chain		—			
49		anchor		—	0426	—	9300 lb (air)
50							