

Moored Station Log

(fill out log with black ball point pen only)

ARRAY NAME AND NO. WHOTS-7 MOORED STATION NO. 1216

Launch (anchor over)

Date (day-mon-yr) 29-07-2010 Time 02:37 UTC
Deployed by Ostrom | Whelan Recorder/Observer Signell
Ship and Cruise No. Kilo Moano KM-10-14 Intended Duration 12 months
Depth Recorder Reading 4703.8 m Correction Source historical CTD
Depth Correction _____ m data, 750 m XBT
Corrected Water Depth 4703.8 ^{SOUND SPEED} _{PROFILE} m Magnetic Variation (E/W) _____
Anchor Drop Lat. (N/S) 22° 45.776 Lon. (E/W) -157° 53.745
Surveyed Pos. Lat. (N/S) 22° 46.0052' Lon. (E/W) 157° 53.9897
Argos Platform ID No. see page 2 Additional Argos Info on pages 2 and 3

Acoustic Release Model E6TG 8242, dual Tested to 1500 m

Release No. 1 (sn) <u>32478</u>	Release No. 2 (sn) <u>32482</u>
Interrogate Freq. <u>11 kHz</u>	Interrogate Freq. <u>11 kHz</u>
Reply Freq. <u>12 kHz</u>	Reply Freq. <u>12 kHz</u>
Enable <u>114442</u>	Enable <u>114651</u>
Disable <u>114461</u>	Disable <u>114672</u>
Release <u>132043</u>	Release <u>132157</u>

Recovery (release fired)

Date (day-mon-yr) 11-07-2011 Time 16:28 UTC
Latitude (N/S) 22 45.87 Longitude (E/W) 157 53.89
Recovered by Lord Recorder/Observer Plueddemann
Ship and Cruise No. BHA-11-02 Actual duration _____ days
Hi'ialakai
Distance from waterline to buoy deck 75cm

ARRAY NAME AND NO. W14075-7

MOORED STATION NO. 1216

Surface Components

Buoy Type ^{Foam hull} ~~MOB~~ Color(s) Hull Tower yellow/white Tower White

Buoy Markings 'B' If found adrift contact U. Hawaii POP 956 7896

Surface Instrumentation

Item	ID #	Height*	Comments
ASIMET	L09	logger	System 1
HRH	221 506	239	
BPR	505	237	
WND	207	264.5	
PRC	209	235	
LWR	218	279	
SWR	201	278	
MT	63878	wildcat in well	27356, 27364, 27413
SST	1419	-150.5	
ASIMET	L10	logger	System 2
HRH	216	240	
BPR	216	238.5	
WND	221	266.5	
PRC	502	238.5	
LWR	212	279	
SWR	505	278	
SST	1306	-150.5	
PTT	63879	wildcat in well	27561, 27415, 27416
SIS ARGOS	09207	buoy hull	
YEOS GPS	1980	182.5	pwr con height
PCO ₂	108	69.5 84.5	air intake
Lascar	11609	231	
Vaisala	VWX001	281 (wind finger)	260cm RH sensor

*Height above buoy deck in centimeters

ARRAY NAME AND NO. WH05-7

MOORED STATION NO. 1216

Item No.	Length (m)	Item	Depth m	Inst No.	Time Over	Time Back	Notes
1		buoy		19:20:34		0101	
2	7.75	3/4" chain				7/12/11	props free
3		VMCM	10	035	19:03:10	0129	BO SPIN TIME 18:53:45 07/29/2010
4	2.82	3/4" chain					
5		M/CAT	15	3382	19:00:20	0132	
6	3.6	3/4" chain					
7		MAVS	20	10261	18:54:15	0136	
8	2.8	3/4" chain					
9		M/CAT	25	4663	18:52:45	0136	
10	3.28	3/4" chain					
11		VMCM	30	038	18:51:10	0139	BO SPIN TIME 18:42:45 props fouled and blades broken
12	2.82	3/4" chain					
13		M/CAT	35	3633	18:48:30	0141	
14	3.66	3/4" chain					
15		M/CAT	40	3381	18:44:20	0143	
16	3.66	3/4" chain				7/11/11	
17		w/ PRESSURE M/CAT	45	3668	18:40:45	2324	
18	1.2	3/4" chain					
19		ROI ADCP 600	47.5	13917	18:39:10	2321	did not come out of water after deployment
20	0.5	3/4" chain					
21		M/CAT	50	3619	18:39:40	2319	out of water 19:25:10 back in water 19:40:01
22	3.66	3/4" chain					
23		M/CAT	55	3620	19:40:20	2316	kit transom on recovery
24	8.7	7/16" wire					
25		M/CAT	65	3621	19:45:40	2311	rough handling

Item No.	Length (m)	Item	Depth	Inst No.	Time Over	Time Back	Notes
✓ 26	8.7	7/16" wire					
✗ 27		M/CAT	75	3632	19:48:45	2307	
✗ 28	8.7	7/16" wire					
✗ 29		w/ PRESSURE M/CAT	85	4699	19:51:37	2303	
✗ 30	8.7	7/16" wire		10037-11			
✗ 31		M/CAT	95	3791	19:54:05	2259	
✗ 32	8.7	7/16" wire		10037-12			
✗ 33		w/ PRESSURE M/CAT	105	2769	19:56:55	2254	
✗ 34	13.6	7/16" wire		10037-8			
✗ 35		w/ PRESSURE M/CAT	120	4700	20:04:55	2250	
✗ 36	3.66	3/4" chain					
✗ 37		³⁰⁰ ROI ADCP	125	7637	20:05:20	2240	
✗ 38	8.7	7/16" wire		10037-9		2236	
✗ 39		M/CAT	135	3669	20:07:45	2236	fishing line on recovery
✗ 40	18.75	7/16" wire		10037-5		2231	
✗ 41		w/ PRESSURE M/CAT	155	4701	20:11:16	2231	
✗ 42	250	3/8" wire		10037-4	20:11:16 20:23	2222	water time to start block time to end stop 45s
✗ 43	500	3/8" wire		10037-2	20:24 20:55	2208	block times significant chafing on recovery, looks
✓ 44	500	3/8" wire		10037-1	20:57 21:20	2154	↓ like fishing gear
✓ 45	500	3/8" wire		10037-3	21:22 21:40	2139	
✓ 46	100	3/8" wire		7221-13	21:41 21:43	2135	one piece w/ wrapped termination
47	200	7/8" nylon			21:43 21:50	2122	w/ thimble on bottom
48	2100	7/8" nylon			21:53 22:54	2000	thimble on top
49	1500	1" colmega			22:54 23:38	1910	one piece to be spliced at sea
50		glass balls			00:03 00:43	1824	80, 17" balls on 1/2" trawler chain

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5 11 July 2011 estimate 9 broken on recovery

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11 Jul 11

Item No.	Length (m)	Item	Depth	Inst No.	Time Over	Time Back	Notes
51	5	1/2" chain					trawler chain
52		release		32478	00:44 ^{OTS}	1834	dual plm chain w/ release links
53		release		32482	00:44 ^{OTS}	1834	
54	5	1/2" chain					trawler chain
55	20	1" Nystrom					
56	5	1/2" chain					trawler chain
57		anchor			02:37		
58					07/29/2010		
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OTS = over the side