

# Moored Station Log

(fill out log with black ball point pen only)

ARRAY NAME AND NO. WHOTS-6 MOORED STATION NO. 1209

## Launch (anchor over)

Date (day-mon-yr) 11-07-2009 Time 01:18:48 UTC  
Latitude (N/S, deg-min) 22 39.944 Longitude (E/W, deg-min) 157° 56.771  
Deployed by Ryder/Whelan Recorder/Observer Aluedemann  
Ship and Cruise No. Kilo Moana Intended Duration 12 mo  
KM-09-16  
Depth Recorder Reading — m Correction Source sound speed  
profile  
Depth Correction — m  
Corrected Water Depth 4758 m Magnetic Variation (E/W) \_\_\_\_\_  
Argos Platform ID No. see pg 2 Additional Argos Info on pages 2 and 3

## Surveyed Anchor Position

Lat (N/S) 22° 39.989' Long. (E/W) 157° 56.961'

Acoustic Release Model EGG 8242, dual

Release No. 31271/30847 Tested to 1500 m  
Receiver No. \_\_\_\_\_ Release Command 444214/151411  
Enable 460366/166620 Disable 460401/166645  
Interrogate Freq. 11 kHz Reply Freq. 12 kHz

## Recovery (release fired) 17:

Date (day-mon-yr) 02/08/2010 Time 17:11:25 <sup>REMARKS</sup> 17:11:45 UTC  
Latitude (N/S, deg-min) 22° 39.677 Longitude (E/W, deg-min) 157° 58.001  
Recovered by OSTROM/WHELAN Recorder/Observer SIGNEU  
Ship and Cruise No. KILO MOANA Actual duration 12 mo days  
KM-10-14  
Distance from actual waterline to buoy deck 75 cm

recovery [ 5034 slant range sent  
release ops [ 4941 slant range response

## Surface Components

Buoy Type Foam Hull MOB Color(s) Hull yellow/white Tower white

Buoy Markings 'B' IS found adrift contact U. Hawaii  
808-956-7896

## Surface Instrumentation

Item	ID #	Height*	Comments
ASIMET	167	109er	System 1
HRH	220	227	
BPR	212	236	
WND	218	267	VANES MISSING, DAMAGED - TOOK WATER
PRC	211	247	
LWR	505	278	DOMES BROKEN - TOOK WATER
SWR	219	275	DOMES BROKEN - TOOK WATER
SST	1835	-153	RECOVERED FROM BRIDLE 01 27
PTT	14637	(WildCat)	ID's 7563, 7581, 7582
ASIMET	119	109er	System 2
HRH	208	227	NOT RECOVERED - LOST AT SEA
BPR	221	238	
WND	211	267	DAMAGED - TOOK WATER
PRC	504	247	
LWR	215	278	DOMES BROKEN - TOOK WATER
SWR	202	275	DOMES BROKEN - TOOK WATER
SST	1727	-153	RECOVERED, SN NOT FOUND
PTT	18136	WILDCAT	IDS 14663, 14667, 14697
SIS Apos	25702	buoy hull	
Float SST	717	floating	SBE-39
Fixed SST	14882	-127	RBR-1060
XEOS GPS	611500	250	pwr from well
pCO <sub>2</sub>	0019	69	air intake
Lascar	288	198	} FEEDBACK: ONE LOST AT SEA; OTHERS DAMAGED
Lascar	249	231	

\*Height above buoy deck in centimeters

Moored Station Number

1209

7/10/09

Item No.	Length (m)	Item	Inst No.	Time Over	Notes	Data No.	Depth (m)	Time Back	Notes
1		buoy	-	1931			0	00:59	
2	7.75	3/4 chain	-						
3		VMCM	010	1840	rotor spin 1834		10	01:35	LOWER ROTOR BOULED w/ FISHING LINE ROTOR SPIN 03:09:00
4	2.82	3/4 chain	-						
5		uCAT	6893	1835			15	01:36:20	FISHING LINE
6	3.6	<del>3/4</del> chain	-						
7		MAVS	10260	1831	sensor down		20	01:42:10	GROWTH ON UPPER BLADES
8	2.8	3/4 chain	-						
9		uCAT	6894	1830			25	01:47:30	
10	3.28	3/4 chain	-						
11		VMCM	058	1825	rotor spin 18:19		30	01:47:45	ROTOR SPIN 02:58:00
12	2.82	3/4 chain	-						
13		uCAT	6895	1824			35	01:50:10	
14	3.66	3/4 chain	-						
15		uCAT	6896	1819			40	01:50:55	
16	3.66	3/4 chain	-						
17		uCAT	6887	1817	w/pressure ✓		45	01:53:15	
18	1.2	3/4 chain	-						
19		ADCP	1825	1948	heads up, <del>1200 kHz</del> 600 kHz batt case		47.5	01:53:40	
20	0.5	3/4 chain	-						
21		uCAT	6897	1949	<del>w/pressure</del>		50	01:53:50	
22	3.66	3/4 chain	-						

Item No.	Depth (m)	Item	Inst No.	Time Over	Notes	Data No.	Depth (m)	Time Back	Notes
23		uCAT	6898	1953	<del>w/pressure</del> bumped on deck		55	01:55:00	
24	8.7	7/16 wire	-			9014-5			
25		uCAT	6899	1959	<del>w/pressure</del>		65	02:01:05	
26	8.7	7/16 wire	-			9014-4			
27		uCAT	3618	2003	<del>w/press</del>		75	02:04:50	
28	8.7	7/16 wire	-			9014-6			
29		uCAT	6888	2006	w/press ✓		85	02:08:25	
30	8.7	7/16 wire	-			9014-7			
31		uCAT	3617	2009	<del>w/press</del>		95	02:11:10	RETRIEVED 40 GUA CO
32	8.7	7/16 wire	-			9014-3			
33		uCAT	6889	2012	w/press ✓		105	02:14:50	
34	13.6	7/16 wire	-			9014-2			
35		uCAT	6890	2016	w/press ✓		120	02:18:30	SURF RATED 22:41:20 BRAIN WIRE 22:47
36	3.66	3/4 chain	-			<del>9014-8</del>			
37		ADCP	4891	2019	batt case 3169 beams up, 300 kHz		125	22:43:25	
38	8.7	7/16 wire	-			9014-8			
39		uCAT	3634	2023	<del>w/press</del>		135	22:38:45	
40	18.75	7/16 wire	-			9014-1			
41		uCAT	6891	2027	w/press ✓		155	22:33	
42	250	3/8 wire	-	2027		7221-12		22:26 22:33	
43	500	3/8 wire	-	2035		7212-3		22:13 22:25	fishing line
44	500	3/8 wire	-	2048		9014-11		21:58 22:12	
45	500	3/8 wire	-	2059		9014-9		21:57 21:41	

