

# Moored Station Log

(fill out log with black ball point pen only)

ARRAY NAME AND NO. W4075 5 MOORED STATION NO. 1198

## Launch (anchor over)

Date (day-mon-yr) 5 June 08 Time 03:24:39 UTC  
Latitude (N/S, deg-min) 22° 46.005' N Longitude (E/W, deg-min) 157° 53.833' W  
Deployed by Ryder / Whelan / Keller Recorder/Observer Lucas  
Ship and Cruise No. Kilo Moana 08-08 Intended Duration 365 days  
Depth Recorder Reading ~~4702~~ 4702 m Correction Source XBT correction for sound speed included plus transducer depth  
Depth Correction — m  
Corrected Water Depth 4702 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°~~ 22° 46.0640' N Long. (E/W) 157° 54.0845' W

Acoustic Release Model ORE / Edgetech tandem

Release No. ~~31336~~ 30841 Tested to 1500 1300 m  
32478 ~~32478~~  
Receiver No. 114442 Release Command 132043 151241  
47461 ~~114442~~ 47775  
Enable 47461 Disable 114461 166331  
166312  
Interrogate Freq. 11 kHz (both) Reply Freq. 12 kHz (both)

## Recovery (release fired)

Date (day-mon-yr) 15-Jul-09 Time 1651 UTC  
Latitude (N/S, deg-min) 22° 45.849 Longitude (E/W, deg-min) 157 54.406  
Recovered by Ryder / Whelan Recorder/Observer Plueddemann  
Ship and Cruise No. KM-09-16 Actual duration \_\_\_\_\_ days  
Distance from actual waterline to buoy deck 65 cm m

## Surface Components

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

Buoy Markings 'B' If found adrift contact University of Hawaii  
808 956 7896

## Surface Instrumentation

Item	ID #	Height*	Comments
ASIMET	Logger 09		System 1
HRH	227	223.5	
BPR	505	233	
WND	228	260.5	
PRC	214	246	
LWR	205	285	
SWR	208	285	
SST	1419	-156	
PTT	27356, 27364, 27413		
ASIMET	Logger-10		System 2
HRH	216	223.5	
BPR	506	233	Horizontal
WND	205	260.5	wnd wnd 123
PRC	210	246	lwr lwr 24
LWR	210	285	swr swr 24
SWR	207	285	prc prc 150
SST	1306	-156	bpr bpr 59
PTT	27461, 27415, 27416		hrh hrh 256
SIS Argos			
Floata SST	39, 50E	0	SN 1447
Fixed hull SST	1450	-115	SN 10986
PCO <sub>2</sub>		-100	
GPS	67677		

\* Height above buoy deck in centimeters

## Subsurface Instrumentation on Buoy and Bridle

Item	ID #	Depth†	Comments
SBE37	1419	156	Logger 9
SBE37	1306	156	Logger 10
			Initial deployment - Argos over plots look good. with WHOTS 4 and ship except one WHOTS 5 wind looks ~ 30° out
buoy			waterline - 65 cm
~ 0100 UTC 6/10/08			
			small boat ride - replace WHOTS 5 lgr9 wind SN 228 with wind SN 219

†Depth below buoy deck in centimeters

Item No.	Length (m)	Item	Inst No.	Time Over	Notes	Data No.	Depth (m)	Time Back	Notes
1		buoy bell		1950	quick release + strap <sup>outside</sup> slipped through last windline			7/16 0109	1924 PCO <sub>2</sub> float <sup>free</sup>
2	7.75	chain	3/4						SST float appears stuck @ bottom
3		VMCM	03 ✓	1905	spin @ 1903		10	0128	SST float stuck on recovery
4	2.82	chain	3/4						
5		seacat	1099 ✓	1902			15	0130	→ line in both props
6	8.68	chain	3/4						Upper prop, 1 lower prop broken off
7		seacat	1085 ✓	1858			25	0139	synthetic fishing line wrapped on load bar
8	3.28	chain	3/4						
9		VMCM	037 ✓	1853	spin @ 1850		30	0140	line wrapped on both props, 1 lower prop broken off
10	2.92	chain	3/4						
11		seacat	1087 ✓	1849			35	0144	line wrapped on load bar
12	3.66	chain	3/4						
13		microcat	3381 ✓	1845			40	0147	
14	3.66	chain	3/4						
15		microcat	4663 ✓	1841			45	<del>0150</del> 0036	
16	1.20	chain	3/4						
17		RDI 1.2M Hz	2530 ✓	1841			47.5	0036	
18	1.00	chain	3/4						
19		seacat	1088 ✓	1836	slightly banged stern		50	0032	
20	3.66	chain	3/4						
21		seacat	1090 ✓	2004			55	0028	
22	8.70	wire	7/16			7271-3			

Item No.	Depth (m)	Item	Inst No. (1092)	Time Over	Notes	Data No.	Depth (m)	Time Back	Notes
23		Seacat	1092 ✓	2009			65	0023	
24	8.70	wire	7/16			7221-7		0020	
25		Seacat	1095 ✓	2013			75	0020	
26	8.70	wire	7/16			7221-5		0013	
27		microcat	4699 ✓	2016			85	0013	
28	8.70	wire	7/16			7221-8		0008	
29		Seacat	1097 ✓	2019			95	0008	
30	8.70	wire	7/16			7221-4		0005	
31		microcat	2769 ✓	2024			105	0005	
32	13.6	wire	7/16			7221-2		0001	
33		microcat	4701 ✓	2027			120	0001	7/16
34	3.66	char	3/4					2358	7/15
35		RDI 300 kHz	7637 ✓	2031			125	2358	
36	8.70	wire	7/16			7221-6		2353	
37		Seacat	1100 ✓	2035			135	2353	
38	18.75	wire	7/16			7221-1		2348	
39		microcat	4700 ✓	2038			155	2347	
40	250	wire	3/8 ✓	2047		7045-12		2337	
41	500	wire	3/8 ✓	2108		7221-11		2319	
42	500	wire	3/8	2141		7045-11		2259	
43	500	wire	3/8	2204		7212-4		2244	
44	100m	wire	3/8	2209	) one piece, wrapped termination	7045-13		2240	termination in excellent condition
45	200m	nylon	7/8	2229				2233	

