

# Moored Station Log

(fill out log with black ball point pen only)

ARRAY NAME AND NO. WHOTS-15 MOORED STATION NO. 1286

## Launch (anchor over)

Date (day-mon-yr) 23-Sep-2018 Time 0117 ~~1825~~ UTC  
Deployed by Pietro Recorder/Observer Plueddemann  
Ship and Cruise No. HA-18-03 Intended Duration 12 mo  
Depth Recorder Reading 4678 m Correction Source ducer depth 5m,  
HOT SS = 1504 (0.3%) 4678 \* 0.003 = 14m  
Depth Correction -19 m  
Corrected Water Depth 4697 m Magnetic Variation (E/W) \_\_\_\_\_  
Anchor Drop Lat. (N/S) 22° 45.940 Lon. (E/W) 157° 53.700  
Surveyed Pos. Lat. (N/S) 22° 46.045 Lon. (E/W) 157° 53.888  
<sup>Fridium</sup>  
Argos Platform ID No. See pg 2+3 Additional Argos Info on pages 2 and 3

Acoustic Release Model 8242XS Tested to 1500 m  
Release No. 1 (sn) 31269 Release No. 2 (sn) 48281  
Interrogate Freq. 11kHz Interrogate Freq. 11kHz  
Reply Freq. 12kHz Reply Freq. 12kHz  
Enable 460272 Enable 567743  
Disable 460303 Disable 567760  
Release 444155 Release 551241

## Recovery (release fired)

Date (day-mon-yr) 8-Oct-2019 Time 17:00 UTC  
Latitude (N/S) 22° 46.226 Longitude (E/W) 157° 54.123  
Recovered by Pietro Recorder/Observer Plueddemann  
Ship and Cruise No. SE-20-01 Actual duration 381 days  
Distance from waterline to buoy deck 80 cm

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<b>Surface Components</b>	
Buoy Type <u>MOB</u> Color(s) Hull Tower <u>blue hull/white tower</u>	
Buoy Markings <u>'B', IS sound adrist..., U. Hawaii 808-956-7896</u>	

Surface Instrumentation			
Item	ID #	Height*	Comments
Logger	L19	—	System 1
Irid	J10CGJ	—	IMEI 300234063855630
HRH	256	235	
BPR	225	240	
SWND	216	270	
PRC	218	252	
LWR	219	280	
SWR	300	280	
SST	5996	-152	
Logger	L42	—	System 2
Irid	J10DOV	—	IMEI 300234063160290
HRH	247	235	
BPR	502	240	
WND	219	270	
PRC	501	252	
LWR	205	280	
SWR	351	280	
SST	5994	-152	
Xeos Melo	—	—	IMEI 300034012615100
SBE39 AT	5276	223	
Lascar	10032233	233	
WXT	203	245	

\*Height above buoy deck in centimeters

**Subsurface Instrumentation on Buoy and Bridle**

Item	ID #	Depth†	Comments
SST	6150	80	SBE56 120° clockwise fr. vane
SST	6239	80	SBE56 180°
SST	6410	95	SBE56 180°
SST	6412	110	SBE56 180°
SST	7211	80	SBE56 240°
PMEL	pCO <sub>2</sub> System:		
pCO <sub>2</sub>	132	152	Battelle MAPCO <sub>2</sub>
CTD	6883	152	SBE-16
OXY	340	152	SBE-63
SLVOR	2400	152	WeHabs FLNTUS
pH	P17	152	SAMI-2
Xeos		150	Sable, IMEI 300034013905090

†Depth below buoy deck in centimeters

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Item No.	Length (m)	Item	Depth	Inst No.	Time Over	Time Back	10/9/2019	Notes
1		buoy	0		1932	1845	↙	Rmyoung wind broken during recovery 10/9/19
2	5.26	3/4 chain						
3		UCAT	7	6892	1928	1901		w/pressure
4	1.30	3/4 chain						
5		VMCM <del>UCAT</del>	10	009	1910	1901		bands off 1857 fishing line on both props
6	2.82	3/4 chain						
7		UCAT	15	3382	1902	1912		
8	8.10	3/4 chain						
9		UCAT*	25	4663	1853	1919		*shark tracker receiver clamped to load bar S/N 129877
10	3.28	3/4 chain						
11		VMCM	30	010	1852	1924		bands off 1843 props spun free on recovery
12	2.82	3/4 chain						
13		UCAT	35	3633	1848	1928		
14	3.66	3/4 chain						
15		UCAT	40	3381	1842	1931		
16	3.66	3/4 chain			22 sep			buoy cast off here for recovery
17		UCAT	45	3668	1837	1735		w/pressure
18	1.07	3/4 chain						
19		ADCP	47.5	13917	1945	1730		600 KHz
20	75.5	7/16 wire		17044-1				
21		UCAT	50	3619	1947	1728		
22		UCAT	55	3620	1947	1727		
23		UCAT	65	3621	1948	1726		goose neck barnacles seen at this depth and shallower
24		UCAT	75	3632	1949	1725		
25		UCAT	85	4699	1950	1724		w/pressure

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Item No.	Length (m)	Item	Depth	Inst No.	Time Over	Time Back	Notes
26		UCAT	95	3791	1951	1723	10/9/2019
27		UCAT	105	2769	1952	1722	w/pressure
28		UCAT	120	4700	1954	1720	w/pressure
29		ADCP	125	7637	1957	1715	300kHz
30	250	3/8 wire	—	17044-6			
31		XMC UCAT	134	15729	2001	1714	
32		UCAT	135	2965	2001	1714	w/pressure
33		XMC	136	15817	2001	1714	w/pressure
34		XMC	154	15818	2003	1712	w/pressure
35		UCAT	155	4701	2003	1711 <del>1658</del>	w/pressure
36	500	3/8 wire	—	18009-4	2025	1638	* recov start 0042 10/8/2019 ship hydraulic failure
37	500	3/8 wire	—	18009-3	2044	1624	overnight tow on 500m wire recov resume 160 10/9/2019
38	500	3/8 wire	—	17044-5	2100	1610	
39	100	3/8 wire	—	17044-7	2105	2344	* potted urethane term.
40	200	1/8 nylon	—		2111	2320	
41	2100	1/8 nylon	—		2158	2209	
42	1500	1 colmega	—		2220	2120	colmega + nylon recov. before glass balls
43		glass balls			2320	0037	68 glass balls, sets of 4
44		UCAT	36M off bottom	12246	9/23	0038	counted six broken balls on recovery
45		UCAT	36M off bottom	12247	0107	0038	
46	5	1/2 chain					10/8/2019
47		release			0108	0042	
48		release			0108	0042	
49	5	1/2 chain					
50	20	1 samson					

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Item No.	Length (m)	Item	Depth	Inst No.	Time Over	Time Back	Notes
51	5	1/2 chain					
52		anchor			0117		
53							
54							
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