

# Moored Station Log

(fill out log with black ball point pen only)

ARRAY NAME AND NO. WHOTS-16 MOORED STATION NO. N/A

## Launch (anchor over)

Date (day-mon-yr) 06-10-2019 Time 02:12 UTC  
Latitude (N/S, deg-min) 22° 40.096 N Longitude (E/W, deg-min) 157° 56.788  
Deployed by Pietro Recorder/Observer Plueddemann  
Ship and Cruise No. SE-20-01 Intended Duration 12 mo  
Depth Recorder Reading 4740 m Correction Source HOT SS profile  
Depth Correction 13 m (1504/1500 = 1.00267) \* 4740 = 4753  
Corrected Water Depth 4753 m Magnetic Variation (E/W) \_\_\_\_\_  
Argos Platform ID No. Iridium see pg 2+3 Additional Argos Info on pages 2 and 3

## Surveyed Anchor Position

Lat (N/S) 22° 40.010 N Long. (E/W) 157° 56.962 W

Acoustic Release Model 8242

Release No. 31335/33412 Tested to 1500 m  
Receiver No. \_\_\_\_\_ Release Command 447756/346443  
Enable 471427/361226 Disable 471442/361243  
Interrogate Freq. 11 kHz Reply Freq. 12 kHz

## Recovery (release fired)

Date (day-mon-yr) 28 Aug 2021 Time 17:52 UTC  
Latitude (N/S, deg-min) 22° 39.878 Longitude (E/W, deg-min) 157° 56.694  
Recovered by Llanos/Hasbrouck Recorder/Observer Plueddemann  
Ship and Cruise No. SE-21-03 Actual duration 692 days  
Distance from actual waterline to buoy deck 65 cm m

## Surface Components

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

Buoy Markings 'B', FS Sound adrist, U. Hawaii 808 956-7816

## Surface Instrumentation

Item	ID #	Height*	Comments
Logger	L07	—	System 1
Frid	J10F99	—	IMEI 300234063262740
HRH	232	232	
BPR	505	240	
SWND	269	271	
PRC	206	253	broken during recovery
LWR	254	281	
SWR	506	281	
SST	1834	-150	
Logger	L08	—	System 2
Frid	J104NF	—	IMEI 30023406334550
HRH	506	230	
BPR	503	240	
WND	217	267	prop + vane gone on recovery
PRC	208	254	
LWR	261	282	
SWR	211	282	
SST	1841	-150	
Xeos Melo	—	—	IMEI 300034012129060
Xeos Rover	#727	—	IMEI 300434063359170
SBE39AT	1447	223	
WXT	208	260	

\*Height above buoy deck in centimeters

## Subsurface Instrumentation on Buoy and Bridle

Item	ID #	Depth†	Comments
SST	7212	80	SBE-56, clockwise fr. vane 120°
SST	7213	80	SBE-56, 180°
SST	7214	95	SBE-56, 180°
SST	7215	80	SBE-56, 240°
PMEL PCO2 System			
PCO2	0027	152	Battelle MAPICO2
CTD	6838	152	SBE-16
Oxy	107	152	SBE-63
SLVDRD	2597	152	FLNTUS
pH	P203	152	SAMI
Xeos <del>Sat</del> Kilo		150	IMEI 300234067104880

†Depth below buoy deck in centimeters

# Moored Station Number

10/5/19

Item No.	Length (m)	Item	Inst No.	Time Over	Notes	Data No.	Depth (m)	Time Back	Notes
1		buoy	-	1930			0	8/29/21 0310	
2	5.26	3/4 chain	-						
3		MCAT	3617	1930			7	0317	
4	1.30	3/4 chain	-	1911					
5		VMCM	2042	<del>2012</del>	spin @ 1858		10	0317	upper procs missing completely
6	2.82	3/4 chain	-						
7		MCAT	6893	1859			15	0318	
8	8.10	3/4 chain	-						
9		MCAT	6894	1855			25	0322	
10	3.28	3/4 chain	-						
11		VMCM	2032	1851	spin @ 1844		30	0327	prop blades missing on both hubs
12	2.82	3/4 chain	-						
13		MCAT	6895	1846			35	0331	
14	3.66	3/4 chain	-						
15		MCAT	6896	1840			40	0331	
16	3.66	3/4 chain	-						
17		MCAT	6887	1836			45	0332	cast off the buoy here
18	1.07	3/4 chain	-						
19		ADCP	1825	1943	600 kHz		47.5	0212	Cable from ADCP to boat case cut, bare wires
20	75.5	7/16 wire	-					0212	
21		MCAT	6897	1945	hauled back to ck depth		50	0212	
22		MCAT	6898	1952			55	0155	

8/29/21

Item No.	Length (m)	Item	Inst No.	Time Over	Notes	Data No.	Depth (m)	Time Back	Notes
23		MCAT	6894	1953			65	0153	
24		MCAT	3618	1955			75	0152	
25		MCAT	3634	1956			85	0151	
26		MCAT	3670	1958			95	0150	
27		MCAT	6889	1959			105	0149	
28		MCAT	6890	2001			120	0148	
29		ADCP	4891	2004	300 kHz		125	0144	
30	250	3/8 wire	18009-5					0144	
31		MCAT	6888	2006			135	0143	
32		MCAT	6891	2008			155	0141	
33	500	3/8 wire	19099-5	2018				0035	
34	500	3/8 wire	18009-2	2045				0123	
35	500	3/8 wire	190996	2107				0111	
36	400	3/8 wire							
37	200	1/8 nylon							
38		MCAT	3639	2138	} side by side on		1875	2145	0052
39		MCAT	12247	2138	} single lead bar		1875	2145	0052
40	100	3/8 wire	18009-6	<del>1955</del> 2138				0052	
41	200	1/8 nylon		2143				0050	
42	2100	1/8 nylon		2201				0037 8/29/21	
43	1500	1 colmega		2240				2331	broken ball count on recovery III IIII
44		glass balls		2330	68 balls ✓			2114	
45							<del>1875</del>	8/28/21	

# Moored Station Number

10/6

Item No.	Length (m)	Item	Inst No.	Time Over	Notes	Data No.	Depth (m)	Time Back	Notes
46		MCAT	11391	0147	} side by side } on single bar		37m above anchor	2145	
47		MCAT	12741	0147				2145	
48	5	1/2 chain	-	0148				8/28/21	
49		release	31335	0148	} side by side } on special bracket		37m above anchor	2148	
50		release	33412	0148				2148	did not release
51	5	1/2 chain	-	0150					
52	20	1 samson	-	0150					
53	5	1/2 chain	-						
54		anchor	-	0212					
55									
56									
57									
58									
59									
60									
61									
62									
63									
64									
65									
66									
67									

From Ben P. based on meas. of all mooring elements  
 Deep Temps - above bottom  
 39.06 ~~mm~~ without Anchor  
 Anchor height is ~110.4cm