

Moored Station Log

(fill out log with black ball point pen only)

ARRAY NAME AND NO. WHOTS 19 MOORED STATION NO. N/A

Launch (anchor over)

Date (day-mon-yr) 17 June 2023 Time 02 59 UTC
Deployed by Llanos / Graham Recorder/Observer Bigorre
Ship and Cruise No. SE-23-02 Intended Duration 365 days
Depth Recorder Reading N/A m Correction Source EK80 includes offset for hull transducer. Manual sound speed correction of 1504 m/s used
Depth Correction applied in EK80 m
Corrected Water Depth 4705 m Magnetic Variation (E/W)
Anchor Drop Lat. (N/S) 22° 46.002 Lon. (E/W) 157° 53.768
Surveyed Pos. Lat. (N/S) 22° 46.057 Lon. (E/W) 157° 53.964
^{Erdium} Argos Platform ID No. see pg 2+3 Additional Argos Info on pages 2 and 3

Acoustic Release Model Edgetech Tested to 1500 m

Release No. 1 (sn) <u>33 410</u>	Release No. 2 (sn) <u>51 785</u>
Interrogate Freq. <u>11</u>	Interrogate Freq. <u>11</u>
Reply Freq. <u>12</u>	Reply Freq. <u>12</u>
Enable <u>361 121</u>	Enable <u>322 222</u>
Disable <u>361 144</u>	Disable <u>322 247</u>
Release <u>346 405</u>	Release <u>334 146</u>

Recovery (release fired)

Date (day-mon-yr) 06-06-2024 Time 18:00 UTC
Latitude (N/S) 22° 45.69' Longitude (E/W) 157° 54.30'
Recovered by Llanos / Graham Recorder/Observers S. Bigorre
Ship and Cruise No. Sette SE-24-05 Actual duration 355 days
Distance from waterline to buoy deck 65 cm

Cruise start: June 15 2023, from Honolulu HI
NOAA Ship Sette 1

ARRAY NAME AND NO. W410TS 19 MOORED STATION NO. _____

Surface Components			
Buoy Type <u>700BS</u> Color(s) Hull Tower <u>Blue hull / white tower / yellow deck</u>			
Buoy Markings <u>'B'</u> IF FOUND ADRIFT CONTACT UNIVERSITY OF HAWAII HONOLULU, HI USA 808-956-7633			
Surface Instrumentation			
Item	ID #	Height*	Comments
Logger	9		system 1 . Port side
HRH	269	231	SD card
BPR	210	242	SD card
WND	225	264	RM Young
PRC	235	256	SD card . Top broken before recovery.
LWR	214	281	
SWR	233	281	SD card
Net Iridium	.		3002 3406 3855 630
SST	1727	-155	
Logger	42		system 2 . Starboard
HRH	247	231	SD card
BPR	206	242	SD card
WND	701	264	RM Young . Bird seating on sensor body @ Recovery
PRC	506	256	SD card
LWR	219	281	
SWR	353	281	
SST	5996	-155	
Net Iridium			3002 3406 3160 290
WXT	204	264	SD card
Airmar	6079 6253	273	Hanging down before recovery
HC2A	W19	232	
SBE 39AT	719	228	
INTELO			3000 3401 3707 580
ROVER	1034		3004 3406 4530 400
ROVER	724		3004 3406 3547 190

*Height above buoy deck in centimeters

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Item No.	Length (m)	Item	Depth	Inst No.	Time Over	Time Back	Notes
1		buoy	0		2100	0140 21	2140: bird trying to land on tower. 6/16/23 Dead Bird on will @ Recovery
2	5.26	3/4 chain					
3		MCAT	7	6892 3382	2100	0146	
4	1.3	3/4 chain					
5		VNCT	10	35	2028	0147	Tipod 11. Spike 2023 Recovery: barnacles. Spike 0153
6	2.82	3/4 chain					
7		MCAT	15	3382 6892	2025	0154	
8	8.1	3/4 chain					
9		MCAT	25	4663	2019	0157	shark tracker on load bar quite a few barnacles
10	3.28	3/4 chain					
11		VNCT	30	58	2016	0201	Tipod 20. Spike 2013 Barnacles on propis. Spike 0205
12	2.82	3/4 chain					
13		MCAT	35	3633	2012	0041	upper guard. A few barnacles + fuzz. Free buoy below it.
14	3.66	3/4 chain					
15		MCAT	40	3381	2009	0037	A few barnacles + fuzz.
16	3.66	3/4 chain					
17		MCAT	45	3668	2006	0033	w P sensor. A few barnacles + fuzz.
18	1.07	3/4 chain					
19		RDI ADCP	47.5	13917	2123	0029	
20	75.5	7/16 wire		22041-1			
21		MCAT	50	3619	2126	0028	clamped. Barnacles + fuzz
22		MCAT	55	3620	2127	0027	clamped. Barnacles
23		MCAT	65	3621	2129	0025	clamped. Barnacles (25)
24		MCAT	75	9988	2131	0025	clamped. First barnacles.
25		MCAT	85	4699	2132	0024	clamped

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Item No.	Length (m)	Item	Depth	Inst No.	Time Over	Time Back	Notes
26		MCAT	95	3791	2134	0024	clamped - P sensor
27		MCAT	105	2769	2136	0023	clamped - P sensor
28		MCAT	120	25352	2147	0021	clamped - P sensor
29		RDI ADCP	125	7637	2147	0017	
30	250	3/8 wire		22041-5 2244	2147		
31		MCAT	135	25444	2149	0016	clamped - P sensor
32		MCAT	155	4701	2151	0014	clamped - P sensor
33	500	3/8 wire		23023-2	2157	0007 (end)	June 7 2024
34	500	3/8 wire		22041-2	2209	2354 (end)	
35	500	3/8 wire		21054-3	2225	2321 start 2340 end	
36	100	3/8 wire		21054-6	2239		
37	200	7/8 nylon			2242	2305	termination (potted) - removed from TSE winch.
38	2100	7/8 nylon			2256	21:37 start 22:55 end	
39	1500	1" Colmaga			2338	2047 start through capstan 2136 end	
40		Glass Balls (68)			0100 (end)	2035	strings HA HA HA (4 sets orange) 5 broken @ Recovery into basket
41		MCAT	4666	11381	0241	1950	w P sensor - 39 m above sea floor
42		MCAT	4666	11380	0241	1950	39 m above sea floor
43	5	1/2 chain					
44		release		33410	0241	1955	dualed release with 1m chain
45		release		51785	0241	1955	
46	5	1/2 chain					
47	20	1" Samson					
48	5	1/2 chain					
49		anchor			0259		2000 lbs (wet), 9300 lbs (air)
50							

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Date/Time	Comments
4416 8:03:55)
4384 8:04:22	32m / 275
4243 8:06:05) 22m / 141 / 438 = 90m/min
4221) 55m / 45 = 73m/min
4138 8:06:50)
	Recovery W19:
	June 6 2024 1800 UTC to June 7 0201.
	Cruise Sette SE-24-05, Honolulu to
	Honolulu, May 31 to June 8 2024.