Moored Station Log

(fill out log with black ball point pen only)

ARRAY NAME AND NO. WHOTS 20 MOORED STATION NO. N/A

Launch (anchor over)

Date (day-mon-yr) 02-06-2024 Time 0347 UTC

Deployed by Llanos/Graham Recorder/Observer Bigorre

Ship and Cruise No. Sette 24-05 Intended Duration 365 days

Depth Recorder Reading 4779 m Correction Source Simrad EK80 (18 kHz) reading (4779 m) is high compared ~~to last~~ past surveys!

Depth Correction -29 m

Corrected Water Depth 4750 m Magnetic Variation (E/W) 9.51° (June 2024)

Anchor Drop Lat. (N/S) 22° 40.100' N Lon. (E/W) 157° 56.801' W

Surveyed Pos. Lat. (N/S) 22° 40.08' N Lon. (E/W) 157° 57.01' W

Argos Platform ID No. Additional Argos Info on pages 2 and 3

Acoustic Release Model Edgetech Tested to 1500 m

Release No. 1 (sn) 35320	Release No. 2 (sn) 33406
Interrogate Freq. 11 kHz	Interrogate Freq. 11
Reply Freq. 12 kHz	Reply Freq. 12
Enable 111514	Enable 360725
Disable 111537	Disable 360740
Release 127507	Release 346307

Recovery (release fired)

Date (day-mon-yr) 27-09-2025 Time 16:59 UTC

Latitude (N/S) 22° 39.790 Longitude (E/W) 157° 56.667

Recovered by Llanos/Graham Recorder/Observer Bigorre

Ship and Cruise No. SETTE SE-25-06 Actual duration 483 days

Distance from waterline to buoy deck 65 cm

Cruise start: May 31 2024 from Honolulu HI, NOAA Ship Sette

Cruise end: June 8 2024, Honolulu

Cruise name: SE-24-05

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ARRAY NAME AND NO. WHOTS 20 MOORED STATION NO. N/A

Surface Components

Buoy Type NOBS Color(s) Hull Tower Blue hull / White tower / Yellow deck

Buoy Markings "B" If found adrift contact University of Hawaii, Honolulu HI, USA 808 956 2737. WHOI 808 956 2737

Surface Instrumentation

Item	ID #	Height*	Comments
Logger	3		System 1. Port side
HRH	703	234	SD card.
BPR	240	244	SD card.
WND	346	268.5	CF card. Prop/vane.
PRC	210	252	SD card
LWR	206	281.5	CF card
SWR	502	281.5	CF card. Eppley.
SST	1834		
Net Iridium			300534065950200
Logger	8		System 2. Starboard
HRH	215	234	SD card.
BPR	504	244	SD card.
WND	239	269	CF card Prop/vane.
PRC	218	253	SD card.
LWR	209	281.5	CF card
SWR	257	281.5	SD card. Kipp&Zonen
SST	1841		
net Iridium			300534063202160
WXT	203		SD card
Airmar	60796279		
HC2A	12718305		
SBE39 AT	5272		

*Height above buoy deck in centimeters

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ARRAY NAME AND NO. WHOTS20 MOORED STATION NO. _____

Subsurface Instrumentation on Buoy and Bridle			
Item	ID #	Depth†	Comments
SST	7215	80	Starboard 240°
SST	6411	80	Fwd 180°
SST	7213	95	Fwd 180°
SST	7214	105	Fwd 180°
SST	1206	80	Port 120°
Xeos Kilo	882		300234062644350
Xeos Delo			300034012129060
Xeos Rover	727		300434063359170
Xeos Rover	859		300434063297420
NAPCO2	30		
SBE16	6568		
DO sensor	3596		
Fluorometer	2353		
SAMI	245		
†Depth below buoy deck in centimeters			

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ARRAY NAME AND NO. WHOTS20 MOORED STATION NO. _____

Item No.	Length (m)	Item	Depth	Inst No.	Time Over in water	Time Back out of water	Notes
1		buoy	0		2118	00:45	Damage to tower on edge of fantail at recovery
2	5.26	3/4 chain					
3		MCAT	7	3617	2053	0053	
4	1.30	3/4 chain					
5		VMCM	10	32	2050	0056	Tpod 12. Spiked @ 2049 deployed. Recovery spike @ 0058. Barnacles on tops
6	2.82	3/4 chain					
7		MCAT	15	6893	2048	0056	1 load bar, 2 trawl guards
8		MCAT	15	3632	2048	0056	no antifoulant
9	0.34	3/4 chain		16531			
10		MCAT w Pump	16.6	16531	2048	00:58	load bar
11	6.50	3/4 chain					
12		MCAT	25	6894	2045	01:01	load bar
13	3.28	3/4 chain					
14		VMCM	30	42	2042	0121	Tpod 83. Spike @ 2040 deployed. Lot of growth. Some barnacles
15	2.82	3/4 chain					END RECOVERY
16		MCAT	35	6895	2039	2348	1 load bar, 2 trawl guards. A few barnacles, lot of fuzz.
17		MCAT	35	4700	2039	2348	no antifoulant. Recovery: let go top mrg here
18	0.34	3/4 chain					
19		MCAT w Pump	36.6	16573	2039	2348	A few barnacles, some fuzz
20	~~2.14~~ 2.84	3/4 chain					
21		MCAT	40	6896	~~2035~~ 2036	2345	2036 time over
22	3.66	3/4 chain					
23		MCAT w Press	45	6887	2033	2342	A few barnacles, fuzz
24	1.07	3/4 chain					
25		RDI ADCP	47.5	1825	2134	2337	2 dozen barnacles
	75.5	7/16 wire		23023124			

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ARRAY NAME AND NO. WHOTS20 MOORED STATION NO. _____

Item No.	Length (m)	Item	Depth	Inst No.	Time Over	Time Back	Notes
26		MCAT	50	6897	2135	2336	clamped. A dozen barnacles, fuz
27		MCAT	55	6898	2136	2336	clamped. A dozen barnacles
28		MCAT	65	6062	2138	2335	WHOTS, clamped
29		MCAT	75	3618	2139	2334	clamped
30		MCAT	85	3634	2140	2333	clamped
31		MCAT with P	95	3670	2141	2332	clamped. Pressure
32		MCAT with P	105	6889	2142	2331	clamped. Pressure.
33		MCAT with P	120	6890	2144	2330	clamped. Pressure.
34		RDI ADCP	125	4891	2148	2326	caged.
35	250	3/8 wire		230234			
36		MCAT with P	135	6888	2149		clamped. Pressure.
37		MCAT with P	155	6891	2151		clamped. Pressure.
38	500	3/8 wire		23028-3	2200	2307 start	buckle on shackle, no sign of wear
39	500	3/8 wire		24031-3	2216	2253 start	
40	500	3/8 wire		24032-2		2238 start	
41	100	3/8 wire		22037-6	2247	2225 start	potted termination
42	200	7/8 Nylon				2218 start	
43	2100	7/8 Nylon			2302	2100 start	
44	1500	1" Colmega			0032 (end)	20:0 start	
45		glass Balls (68)			0040	1914	17 sets (last 2 acoustic) & broken GBs @ recovery
46		MCAT		12242	0323	1914	load bar
47		MCAT		12247	0323	1914	
48	5	1/2 chain					
49		release		35320	0324	1921	with 1m chain
50		release		33490	0324	1921	

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Item No.	Length (m)	Item	Depth	Inst No.	Time Over	Time Back	Notes
51	5	1/2 chain					
52	20	1" Samson					
53	5	1/2 chain					
54		anchor			0347		9300 lbs.
55							
56							
57							
58							
59							
60							
61							
62							
63							
64							
65							
66							
67							
68							
69							
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74							
75							

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ARRAY NAME AND NO. WHOTS-20 MOORED STATION NO. _____

Item No.	Length (m)	Item	Depth	Inst No.	Time Over	Time Back	Notes
76							
77							
78							
79							
80							
81							
82							
83							
84							
85							
86							
87							
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97							
98							
99							
100							

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ARRAY NAME AND NO. WHOTS-20 MOORED STATION NO. _____

Date/Time	Comments
9/27/2025 18:26	Rescuer Line from TSE connected to glass balls. Setting up for small boat recovery
18:48	Small boat secured on top deck.
19:05	Almost all glass balls on deck. Nico connects stopper line near top of glass balls but notices that ship speed has increased. Bosun radios bridge and indeed they are at 1.5 kts. Asking to come down to 0.75 kt.
	TSE winch slipps when picking up buoy out of water. Come back down, grab line and transfer to crane.
9/28 01:47:35	spiked both VMCDs again.
	WHOTS is NDBC Partner Platform 51 WHO

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