4796
4816
4729
4667

Moored Station Log

(fill out log with black ball point pen only)

ARRAY NAME AND NO. WHOTS 21 MOORED STATION NO. _____

Launch (anchor over)

Date (day-mon-yr) 24-09-2025 Time 00:53 UTC

Latitude (N/S, deg-min) 22° 46.057' Longitude (E/W, deg-min) 157° 53.788'

Deployed by Llanos / Graham Recorder/Observer Bigorre

Ship and Cruise No. Sette SE-25-06 Intended Duration 365

Depth Recorder Reading 4800 m Correction Source 6k80 with

Depth Correction −100 m full depth local SoS profile

Corrected Water Depth 4700 m Magnetic Variation (E/W) 9.41° (Sept 2025)

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

Surveyed Anchor Position

Lat (N/S) 22° 45.990' Long. (E/W) 157° 54.053'

Acoustic Release Model Edgetech 8242 XS Tested to 1500 m

Release No. 33405 ~~Tested to~~ Release 55464 ~~m~~

Receiver No. _____ ~~Release Command~~ _____

Enable 360677 // Disable 360706 ~~Disable~~ Enable 107275 / Disable 107304

~~Interrogate Freq~~. Release 346276 (did not release) ~~Reply Freq~~. Release 126464

Recovery (release fired)

Date (day-mon-yr) 10-17-2026 Time ~~16:54~~ 17:02 UTC

Latitude (N/S, deg-min) 22 45.409 Longitude (E/W, deg-min) 157 54 418

Recovered by Graham Recorder/Observer Bigorre

Ship and Cruise No. Sette SE-26-05 Actual duration 388 days

Distance from actual waterline to buoy deck 65 cm m

Deployment cruise: 9/22/25 to 9/29/25, Honolulu HI

Ship (NOAA): SETTE Cruise name: SE-25-06

Recovery cruise: 10/15/26 to 10/18/26. Ship: Sette, R335 Cruise SE-26-05

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WHOTS 21 Surface Components

Buoy Type NOBS Color(s) Hull Blue Tower white

Buoy Markings ~~If found adrift contact university of Hawaii~~ Honolulu, HI, USA 808-956-2737. WHOI 808-956-2737 USA

Surface Instrumentation

Item	ID #	Height*	Comments
Logger	5	Port	
HRH	365	234	
BPR	219	244	
WND	343	265	
PRC	320	253	
LWR	256	282	
SWR	302	282	
SST	1838	-155	
Ref Iridium		Starboard	
Logger	42		
HRH	247	234	
BPR	234	244	
WND	701	265	
PRC	506	253	
LWR	243	282	
SWR	209	282	
SST	3604	-155	
Ref Iridium			
WXT	202	265	
Airmar	60646870	265	
HRH	249	234	
Rotronics	12718304	234	
SBE39AT	721	232	
Lascar		199	

*Height above buoy deck in centimeters

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Subsurface Instrumentation on Buoy and Bridle WHOTS 21

Item	ID #	Depth†	Comments
SST	2064	80	SBE56 . Starboard −60°
SST	2065	80	SBE56 . Bow 0°
SST	2066	~~90~~ 100	SBE56 . Bow 0°
SST	2067	~~100~~ 110	SBE56 . Bow 0°
SST	2068	80	SBE56 . Port +60°
XEOS KILO	30023406 7705440		
XEOS DELO	30003401 3707580		
XEOS ROVER	30043406 4530400		
XEOS ROVER	30043406 4530420		
PCO2 cpkt			
RAD CO2	128		
SBE16	6565		
DO	3546		
Fluorometer	7767		
SAMI	325		
span gas	JJ15365		

†Depth below buoy deck in centimeters

1206
6411
7213
7214
7215

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Moored Station Number WHOTS-21

Item No.	Length (m)	Item	Inst No.	Time Over	Notes	Data No.	Depth (m)	Time Back	Notes
1		Buoy		19:06				2309	Buoy recovered after glass balls dye to Colmecya caught in ship's hull and cut.
2	5.26	3/4 chain							
3		SBE37	3382				7	2314	
4	1.30	3/4 chain							
5		VMCM	2058	18:40	Spike at 18:36		10	2314	
6	2.82	3/4 chain							
7		SBE37	6892	18:36	with pressure (SN 2651324)		15	2314	
8	8.10	3/4 chain							
9		SBE37	4663	18:32			25	2319	
10	3.28	3/4 chain							
11		VMCM	2035	18:31	Tpod 11 . Spike 18:25:45		30	2332	
12	2.82	3/4 chain							
13		SBE37	3633	18:28			35	2332	
14	3.66	3/4 chain							
15		SBE37	3381	18:23			40	2338	
16	3.66	3/4 chain							
17		SBE37	3668	18:21	with pressure (SN 5579)		45	2339	
18	1.07	3/4 chain							
19		RDI ADCP	13917	18:19			47.5	2339	
20	75.5	7/16 wire							
21		SBE37	3619	18:19	clamped.		50	2340	
22		SBE37	3620	18:19	clamped.		55	0049	had to repair toggle

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WHOTS 21

Item No.	Length (m)	Item	Inst No.	Time Over	Notes	Data No.	Depth (m)	Time Back	Notes
23		SBE37	3621	18:19	clamped.		65	0050	
24		SBE37	9988	19:15	clamped.		75	0051	
25		SBE37	4699	19:19	clamped.		85	0052	
26		SBE37	3791	19:21	~~with pressure~~ Clamped		95	0053	
27		SBE37	2769	19:23	with pressure Clamped (12364705)		105	0054	
28		SBE37	25352	19:29	with pressure. clamped (5983494)		120	0055	fishing gear, hook
29		RDI ADCP	7637	19:31			125	0055	fishing gear almost to barnacles
30	250	3/8 wire	25038-5						
31		SBE37	25444	19:34	with pressure. Clamped (12152941)		135	0106	fishing line clean
32		SBE37	4701	19:36	with pressure Clamped (10211)		155	0110	clean
33	500	3/8 wire	25038-2						
34	500	3/8 wire	24032-4	19:50	19:58 ship SOG bumps up from 0.8 to 1.2 kt				
35	500	3/8 wire	25038-4	20:01					
36	100	3/8 wire	24032-6	20:12				0212	
37	200	7/8 nylon							
38	2100	7/8 nylon		20:26	20:35 still 5.7nm from target. Bumping up to 1.5 kts			0238 start	
39	1500	Colmega 1"			21:28 end of Colmega with Yale grip			0406	capstan failed, switched to ISE
40		Glass Balls (68)		21:48	~~IIII IIII IIII~~ II 6 sets orange			1925 to 2020	15 broken
41		SBE37	11380	00:48	9/24/25			2021	
42		SBE37	11381	00:48	9/24/25			2021	
43	5	1/2 chain							
44		release		00:48					
45		release		00:48					

0507 End of Recovery
10/18/2026

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WHOTS-21 **Moored Station Number** _____

Item No.	Length (m)	Item	Inst No.	Time Over	Notes	Data No.	Depth (m)	Time Back	Notes
46	1	chain with link							
47	5	1/2 chain							
48	20	Nystron							
49	5	1/2 chain							
50		anchor							
51									
52		NOTES:			glass balls hooked from long line pit on port				side. One balls cleared port aft quarter, Colmega
53									
54					got caught in rudder under the ship! we had to				
55					cut Colmega once the glass balls were secured				
56					on deck and go recover the rest of the mooring				
57					from buoy down.				
58					During recovery of nylon capstan failed so				
59					we used TSE winch (had to offspool it by				
60					hand).				
61									
62									
63									
64									
65									
66									
67									

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