

Moored Station Log

(fill out log with black ball point pen only)

ARRAY NAME AND NO. WHOTS-17 MOORED STATION NO. N/A

Launch (anchor over)

Date (day-mon-yr) 26 Aug 2021 Time 0313 UTC

Deployed by Llanos/Hasbrock Recorder/Observer Alueddemann

Ship and Cruise No. Sette SE-21-03 Intended Duration 12 mo

Depth Recorder Reading 4680 m Correction Source xducer depth +5m

Depth Correction +19 m HOT SSPD $1504/1500 = 0.3\% = +14m$

Corrected Water Depth 4699 m Magnetic Variation (E/W) _____

Anchor Drop Lat. (N/S) 22° 46.042 N Lon. (E/W) 157° 53.795 W

Surveyed Pos. Lat. (N/S) 22° 46.002 N Lon. (E/W) 157° 53.958 W

Iridium
Argos Platform ID No. see pg 2+3 Additional Argos Info on pages 2 and 3

Acoustic Release Model 8242 Tested to 1500 m

Release No. 1 (sn) 33406 Release No. 2 (sn) 35320

Interrogate Freq. 11 Interrogate Freq. 11

Reply Freq. 12 Reply Freq. 12

Enable 360725 Enable 111514

Disable 360740 Disable 111537

Release 346307 Release 127507

Recovery (release fired)

Date (day-mon-yr) 25-Jul-2022 Time 1803 UTC

Latitude (N/S) 22° 45.778 N Longitude (E/W) 157° 54.181 W

Recovered by Llanos/Graham Recorder/Observer Alueddemann

Ship and Cruise No. Sette, SE-22-05 Actual duration 334 days

Distance from waterline to buoy deck 65 cm

NOAA ship Sette, cruise SE-21-03, depart Honolulu 24 Aug 2021

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Surface Components

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

Buoy Markings 'B', IS found adust, U. Hawaii 808-956-7633

Surface Instrumentation

Item	ID #	Height*	Comments
Logger	19	—	System 1
Irid		—	IMEI 300234063855630
HRH	301	235	
BPR	234	237	
WND	344	263	RM Young
PRC	501	254	
LWR	503	283	
SWR	235	283	
SST	5996	-155	
Logger	42	—	System 2
Irid		—	IMEI 300234063160290
HRH	226	235	
BPR	219	237	
WND	222 *	263	RM Young, *damaged on deployment replaced with 207
PRC	702	264 254	
LWR	219	283	
SWR	208	283	
SST	1727	-155	
Xeos Melo			IMEI 300034013707580
Xeos Rover	1034	mounted low central tower	IMEI 300434064530400
Xeos Rover	724	mounted high tower top	IMEI 300434063547190
WXT	204	240	
SBE-39AT	716	233	
Lascar		195	

* Add'l sensors see pg 3

* Height above buoy deck in centimeters

Subsurface Instrumentation on Buoy and Bridle			
Item	ID #	Depth†	Comments
SST	6150	80	SBE-56 CW from vane 120° (port)
SST	6239	80	SBE-56 180° bow
SST	6410	95	SBE-56 180° bow
SST	6412	110	SBE-56 180° bow
SST	7211	80	SBE 56 240° stbd
PMEL	PCO2 System		
PCO2	6	(equil. tube)	Battelle MAPCO2
CTD	6839	155 cm	SBE-16
Oxy	1339	155	
fluor	6489	155	
pH	44	155	SAMT
Xeos KITO	1480	150	IMEI 30023406720440
* Add'l	stand-alone sensors on tower		
Airmar	60132821	-272	on stalk next to WXT
LWR	224	-240	bird spike collar
SWR	234	-240	bird spike collar
HC2A	12718291 20208311	-225	rotronic stand-alone
†Depth below buoy deck in centimeters			

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8/25/21

Item No.	Length (m)	Item	Depth	Inst No.	Time Over UTC	Time Back	Notes
1		buoy	0	—	2022	0459	
2	5.26	3/4 chain	—	—			
3		UCAT	7	6892	2020	0505	w/ pressure
4	1.3	3/4 chain	—	—			
5		VMCM	10	35	1957	0505	spin at 1908 UTC
6	2.82	3/4 chain	—	—			
7		UCAT	15	3382	1942	0509	
8	8.1	3/4 chain	—	—			
9		UCAT	25	4663	1937	0509	shark tracker on load bar
10	3.28	3/4 chain	—	—			SN 135934
11		VMCM	30	58	1932	0515	spin props at 1922
12	2.82	3/4 chain	—	—			buoy cast off at bottom of this chain
13		UCAT	35	3633	1924	0357	
14	3.66	3/4 chain	—	—			
15		UCAT	40	3381	1920	0354	
16	3.66	3/4 chain	—	—			
17		UCAT	45	3668	1915	0349	w/ pressure
18	1.07	3/4 chain	—	—			
19		ADCP	47.5	13917	2039	0345	600 kHz
20	75.5	7/16 wire	—	19099-1	19099	0345	
21		UCAT	50	3619	2041	0344	
22		UCAT	55	3620	2041	0343	
23		UCAT	65	3621	2044	0342	
24		UCAT	75	3632	2046	0341	fishing line below instr
25		UCAT	85	4699	2047	0339	w/ pressure

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Item No.	Length (m)	Item	Depth	Inst No.	Time Over	Time Back	Notes
26		MCAT	95	3791	2049	0338	
27		MCAT	105	2769	2052	0337	w/pressure
28		MCAT	120	4700	2100	0336	w/pressure
29		ADCP	125	7637	2100	0332	
30	250	3/8 wire	—	19099-7	2100	0332	
31		MCAT	135	2451	2101	0331	w/pressure
32		MCAT	155	4701	2104	0330	w/pressure no conductiv. guard on recover.
33	500	3/8 wire	—	19099-4	2112	0324	cond cell ident
34	500	3/8 wire	—	21086-1	2126	0310	
35	500	3/8 wire	—	20053-1	2138	0252	
36	100	3/8 wire	—	19099-1	2150	0151	SN should be 19099-9
37	200	7/8 nylon	—	—	2155	0149	
38	2100	7/8 nylon	—	—	2213	0140	
39	1500	1" colmega	—	—	2250	7/26/22 0008 ↑	
40		glass balls	—	—	8/26/21 0030	2130	68 balls in 17 strings of 4 15 broken on recovery
41		MCAT	4660	11380	0036	2147	w/pressure, over trans. in air
42		MCAT	4660	11381	0036	2147	39 m above bottom anchor w/pressure
43	5	1/2" chain	—	—	0036	2151	under tow here for deployment
44		release		33406	0240	2151	
45		release		35320	0240	2151 ↑	
46	5	1/2 chain	—	—	—	7/25/22 ↑	
47	20	1" samson	—	—	—	—	
48	5	1/2 chain	—	—	—	—	
49		anchor		—	0313	—	
50							