

Moored Station Log

(fill out log with black ball point pen only)

ARRAY NAME AND NO. WHOTS-13 MOORED STATION NO. 1280

Launch (anchor over)

Date (day-mon-yr) 27 Jun 2016 Time 0847 UTC
Deployed by Cole/Smith Recorder/Observer Plueddemann
Ship and Cruise No. HA-16-05 Intended Duration 12 mo
Depth Recorder Reading 4669 m Correction Source HOT LTD: 1506 m/s
Depth Correction +24 m = 4%, = 19 m, + 5 m 'ducer depth'
Corrected Water Depth 4693 m Magnetic Variation (E/W) _____
Anchor Drop Lat. (N/S) 22° 47.402 Lon. (E/W) 157° 54.481
Surveyed Pos. Lat. (N/S) 22° 47.240 Lon. (E/W) 157° 54.450
Argos Platform ID No. see pg 2-3 Additional Argos Info on pages 2 and 3

Acoustic Release Model Edgetech 8242 Tested to 1500 m

Release No. 1 (sn) <u>31269</u>	Release No. 2 (sn) <u>48278</u>
Interrogate Freq. <u>11 kHz</u>	Interrogate Freq. <u>11 kHz</u>
Reply Freq. <u>12 kHz</u>	Reply Freq. <u>12 kHz</u>
Enable <u>460272</u>	Enable <u>567611</u>
Disable <u>460303</u>	Disable <u>567632</u>
Release <u>444155</u>	Release <u>551165</u>

Recovery (release fired)

Date (day-mon-yr) 31 July 2017 Time 06:38 UTC
Latitude (N/S) 22° 47.469 Longitude (E/W) 157° 54.654
Recovered by Hasbrouck/Weller Recorder/Observer Clabrug h
Ship and Cruise No. HA 17-02 Actual duration 399 days
Distance from waterline to buoy deck 70 cm (visual inspect.)

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Surface Components	
Buoy Type	MOB
Color(s) Hull Tower	blue hull, white tower
Buoy Markings	'B', 15 sound adrift: U. Hawaii 808-956-7896

Surface Instrumentation

Item	ID #	Height*	Comments
Logger	L19	-	SYS-1
PTT	99595	-	IDS 14663, 14677, 14697
HRH	249	237 cm	
BPR	224	243	
WND	705	265	
PRC	506	237	
LWR	207	280	
SWR	226	280	
SST	1306	-150	
Logger	L42	-	SYS-2
PTT	14637	-	IDS 07563, 07581, 07582
HRH	211	237	
BPR	502	243	
WND	703	265	
PRC	205	237	
LWR	502	280	
SWR	229	280	
SST	1727	-150	
Xeos Melo		-	IMEI 300034013701980
SBE-39 AT	3795	225	
Vais. WXT	203	251	
Lascar	307	206	
Sonic WND	216	278	
pCO ₂	see pg 3	-	

*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	—	1913	1:55	1-17 MCats mounted to buoy have heat cages on newberry
2	5.26	3/4 chain		—		1:55	
3		MCAT	7	6892.	1833	2:13	w/press, pulled back out of water after initial dunk
4	1.3	3/4 chain		—		2:14	
5		VMCM 2016 10		2016.	1833	2:17	bands off 1825
6	2.82	3/4 chain		—		2:18	
7		MCAT	15	3382.	1829	2:20	
8	8.1	3/4 chain		—		2:21	
9		MCAT	25	4663.	1820	2:25	
10	3.28	3/4 chain		—		2:25	
11		VMCM 30		2075.	1819	2:25	bands off 1813
12	2.82	3/4 chain		—		2:29	
13		MCAT	35	3633.	1815	2:29	
14	3.66	3/4 chain		—		2:29	
15		MCAT	40	3381.	1810	2:30	
16	3.66	3/4 chain		—		2:34	
17		MCAT	45	3668.	1805	2:35	w/press
18	1.07	3/4 chain		—		0:51	Time Back: 2:35
19		ADCP	47.5	13917.		0:51	600 kHz
20	75.5	7/16 wire		15014-6	0937	0:30	erroneously used local time for deploy starting here, add 10h for UTC
21		MCAT	50	3619.	0937	0:51	
22		MCAT	55	3620.	0939	0:50	
23		MCAT	65	3621.	0940	0:49	
24		MCAT	75	3632.	0942	0:47	
25		MCAT	85	4699.	0943	0:40	w/press

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Item No.	Length (m)	Item	Depth	Inst No.	Time Over	Time Back	Notes
26		UCAT	95	3791.	0944	0:46	
27		UCAT	105	2769.	0945	0:45	w/press
28		UCAT	120	4700.	0953	0:43	w/press
29		ADCP	125	7637.	0954	0:39	300kHz
30	250	3/8 wire		15014-4		0:26	Nick in wire at 0:34
31		UCAT	135	2965.	0955	0:38	w/press
32		UCAT	155	4701.	0957	0:37	w/press
33	500	3/8 wire		16007-3	2004	0:12	back to UTC starting here
34	500	3/8 wire		16007-2 2036		23:57	damaged recovered, replaced w/ spare 15007-4
35	500	3/8 wire		15014-2	0433 06/27	23:37	
36	100	3/8 wire		15014-5	0442	23:33	} potted urethane termination
37	200	7/8 nylon		—	0500	23:17	
38	2050	7/8 nylon		—	0520	22:05	All back in at 23:17
39	1500	1" colmega		—	0551	19:04	All in ^{back} at 22:05
40		glass balls		—	0645	18:58	
41		SBE37	36m above	12246	0813	18:58	} plugs out Time Back: 19:14
42		SBE37	bottom	12247		18:58	
43	5	1/2" chain		—		18:58	Time Back: 19:14
44		release		31269	0814	18:58	Time Back: 19:18
45		release	dual	48278	0814	18:58	Time Back: 19:18
46	5	1/2" chain		—			
47	20	1" samson		—			
48	5	1/2" chain		—			
49		anchor		—	0847		93001b (air), 8000 (wet)
50							