

Moored Station Log

(fill out log with black ball point pen only)

ARRAY NAME AND NO. WHOTS-12 MOORED STATION NO. 1278

Launch (anchor over)

Date (day-mon-yr) 12 July 2015 Time 02:10:18 UTC
Deployed by Predto / Smith Recorder/Observer Dumitrascu
Ship and Cruise No. Hijakakai HA-15-04 Intended Duration 12 months
Depth Recorder Reading 4704 m Correction Source CTD from UH
Depth Correction 18 m mean sand spd = 1506 m/s
Corrected Water Depth 4722 m Magnetic Variation (E/W) 9.46°
Anchor Drop Lat. (N/S) 22°40.095' Lon. (E/W) 157°56.817 W
Surveyed Pos. Lat. (N/S) 22°40.061' Lon. (E/W) 157°56.9654'
Argos Platform ID No. see p 2+3 Additional Argos Info on pages 2 and 3

Acoustic Release Model EGG 8242 XS Tested to 1500 m m
Release No. 1 (sn) 32481 Release No. 2 (sn) 35319
Interrogate Freq. 11 kHz Interrogate Freq. 11 kHz
Reply Freq. 12 kHz Reply Freq. 12 kHz
Enable (A) 114617 Enable (A) 111446
Disable (A+B) 114634 Disable (A+B) 111465
Release 132132 Release 127476

Recovery (release fired)

Date (day-mon-yr) 29 Jun 2016 Time 1747 UTC
Latitude (N/S) 22°40.270 Longitude (E/W) 157 57.450
Recovered by Cole / Smith Recorder/Observer Plueddemann
Ship and Cruise No. HA-16-05 Actual duration _____ days
Distance from waterline to buoy deck 65 cm

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Surface Components

Buoy Type MOB Color(s) Hull Tower _____

Buoy Markings _____

Surface Instrumentation

Item	ID #	Height*	Comments
Logger	08		System 1
PTT	12790		ID's 06930, 07387, 14708
HRH	226	234 cm	
BPR	504	244 cm	
WNO	225	266 cm	
PRC	212	232 cm	
LWR	231	286 cm	
SWR	284	286 cm	
SST	1834	-150 cm	
Logger	09		System 2
PTT	3879		ID's 07561, 27415, 27416
HRH	258	234 cm	
BPR	505	243 cm	
WNO	219	265 cm	
PRC	208	232 cm	
LWR	212	286 cm	
SWR	219	286 cm	
SST	1841	-150 cm	
Yeos Melo	300034012611500		
SPE 39 AT	1446	221 cm	
Lascau AT/H	0255	225 cm	
Vaisala WXT	002	245 cm	
SA SWR	210	286 cm	
SA HRH	215	234 cm	
p CO2 see p 3			

*Height above buoy deck in centimeters

Subsurface Instrumentation on Buoy and Bridle			
Item	ID #	Depth [†]	Comments
SST	76108	80	RBR Solo-T 120° cw from vane - Port
SST	76102	80	RBR Solo-T 180° cw from vane - Bow High
SST	76109	94	RBR Solo-T 180° cw from vane - Bow low
SST	76103	80	RBR Solo-T 240° cw from vane - Starboard
SIS	300034012194230	bottom of hull	XEOS Sable
<u>PMEL PCO2 SYSTEM</u>			
pCO2	0013	75.5 cm *	MAPCO2 * air intake height
CTP	6884	-156 cm	SBE 16+
pH	0042	-153 cm	SAMI
fluor	1817	-150 cm	WET Labs ECO FLUOR
Oxygen	1574	-153 cm	Aanderaa 4175
†Depth below buoy deck in centimeters			

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Item No.	Length (m)	Item	Depth	Inst No.	Time Over	Time Back	Notes
1		buoy	0	-	19:55:41	6:30-2016 0523	flooding w/cly vane extend broken on recovery
2	8.26	3/4 chain					
3		ucal	7	3617	19:52:10	0543	
4	1.30	3/4 chain		-			props not spinning on recovery
5		VMCM	10	# 19	19:52:25	0545	spin time 18:26:18 ; sands off
6	2.82	3/4 chain					2.82 chain and 1.30 chain was others got mixed up ; took time to fix
7		ucal	15	6893	19:28:15	0548	
8	8.10	3/4 chain		-			
9		ucal	25	6894	19:22:45 18:28:04	0553	left it up 18:37:25 to change clear
10	3.28	3/4 chain		-			left up VMCM 18:44:20 due to chain problem
11		VMCM	30	# 69	19:19:16 18:22:15	0557	18:14:52 spin time ; sands off
12	2.82			-			
13		ucal	35	6895	19:17:53 18:17:54	0600	left it up 18:46:54 due to chain mixing
14	3.66			-			
15		ucal	40	6896	19:13:17 18:15:20	0602	left it up 18:51:27 due to chain mixing
16	3.66	3/4 chain		-			
17		ucal	45	6887	19:11:26 18:09:39	0606	left it up due to chain mixing 18:53:03
18	3.66 1.07			-		end	1.07 chain attached to mooring 19:04:35
19		AOC	47.5	1825	20:05:22	0340	RDI 600 kHz
20	75.5	7/16 wire rope		14024-6			
21		ucal	50	6897	20:06:27	0339	
22		ucal	55	6898	20:08:01	0338	
23		ucal	65	6899	20:08:47	0337	missing cell guard on recovery
24		ucal	75	3618	20:09:46	0337	
25		ucal	85	3634	20:11:08	0336	

ARRAY NAME AND NO. WIFOTS 12 MOORED STATION NO. 1278

Item No.	Length (m)	Item	Depth	Inst No.	Time Over	Time Back	Notes
26		μ cat	95	3670	20:12:05	0336	Termination 75.5m SN: 14024-6 (green)
27		μ cat	105	6889	20:12:57	0335	took time to adjust the wire cable;
28		μ cat	120	6890	20:22:56	0332	
29		A DCP	125	4891	20:23:06	0328	RDI 300KHz
30	250	3/8 wire					
31		χ MC	134	13584	20:27:31	0323	
32		μ cat	135	6888	20:27:32	0323	
33		χ MC	136	13585	20:27:33	0323	
34		χ MC	154	13586	20:30:34	0321	
35		μ CAT	155	6891	20:30:36	0321	
36	500	3/8 wire				0309	Termination SN 250m 14024-4 (orange)
37	500	3/8 wire			extra time needed due to	0720	1st 500 14024-2
38	500	3/8 wire			end-to-end in colmega in case	0156	2nd 500 15014-1 3rd 500 15014-3
39	100	3/8 wire			box 14024-5	0141	100m: 14024-5
40	200	7/8 nylon			14024-5	6/30 0105	wire/nylon termination
41	2150	7/8 nylon			22:18:53	2308	
42	1500	1" colmega			23:26:59	2144	
43		glass balls			00:14:48	6-29-16 1958	68 balls checked XXXXXXXXXX → 32 XXXXXXXXXX → 32
44		μ cat	36m	9988	01:33:17	1959	SBE 37 attached on some
45		μ cat	36m	10602			SBE 37 Frame
46	5	1/2 chain					
47		release		32481	01:33:29	2003	attached together
48		release		35319			
49	5	1/2 chain					
50	20	1" sawson			01:34:01		

ARRAY NAME AND NO. W16TS12 MOORED STATION NO. 1278

Item No.	Length (m)	Item	Depth	Inst No.	Time Over	Time Back	Notes
51	5	1/2 chain					
52		anchor			2:10:18		
53							
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