

# Moored Station Log

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ON APR 7 2011. THE ORIGINAL  
IS NOT AVAILABLE

(fill out log with black ball point pen only)

ARRAY NAME AND NO. STRATUS 10 MOORED STATION NO. 1210

## Launch (anchor over)

Date (day-mon-yr) 17-01-2010 Time 1823 UTC  
Deployed by LORD Recorder/Observer GALBRAITH  
Ship and Cruise No. RON BROWN 10-01 Intended Duration 13 MONTHS  
Depth Recorder Reading 4451 <sup>PDR SEABEAM</sup> 4454.9 m Correction Source MATHEWS TABLES  
Depth Correction +5 m  
Corrected Water Depth 4456 <sup>PDR</sup> 4460 m Magnetic Variation (E/W) 7.2  
Anchor Drop Lat. (N/S) 19° 36.93' Lon. (E/W) 85° 23.05'  
Surveyed Pos. Lat. (N/S) 19° 36.8088' Lon. (E/W) 85° 23.1242'  
Argos Platform ID No. ON PAGE 3 Additional Argos Info on pages 2 and 3

Acoustic Release Model 8242 XS BACS Tested to 1500 m

Release No. 1 (sn) 30288 Release No. 2 (sn) 30841  
Interrogate Freq. 11 Interrogate Freq. 11  
Reply Freq. 12 Reply Freq. 12  
Enable 256 454 Enable 166 312  
Disable 256 477 Disable 166 33  
Release 253013 Release 151241

## Recovery (release fired)

Date (day-mon-yr) 7-04-2011 Time 11:37:30 UTC  
Latitude (N/S) 19 36.948 Longitude (E/W) 85 23.605  
Recovered by LORD Recorder/Observer GALBRAITH  
Ship and Cruise No. MOANA WAVE Actual duration 445 days  
Distance from waterline to buoy deck 65 cm (2010/01/18 OBS)

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**Surface Components**

SURLYN FOAM

Buoy Type 2.7m Color(s) Hull Tower YELLOW, BLUE HULL, WHITE TOWER

Buoy Markings IF FOUND DRIFT CONTACT

**Surface Instrumentation**

Item	ID #	Height*	Comments
HRH	239	228	WATER INSIDE, SMASHED ON RECOVERY
BPR	502	237	
SWND	DU LOGGER SN 1	210	COMPLETELY FLOODED
PRC		215	
LWR	502	279	
SWR	210	279	
HRH	223	226	
BPR	DN LOGGER SN 2	210	WATER INSIDE
WWD		348	
PRC	219	247	
LWR	231	279	
SWR	221 218	279	
LASCATL	<del>218</del> 238	231	
LASCATL	310	198	
HRH	240	228	WATER INSIDE
BPR	506	237	
WWD	343	270	WATER INSIDE
PRC	205	247	
LWR	208	279	
SWR	504	279	
WAMDAS	4002		NDBC WAVE PACKAGE
PCO2			PMEL

\*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			1316		HRH TOOK HIT ON BOTTOM DURING LAUNCH. CRAVES HOOK ASSEMBLY
2	.22	$\frac{3}{4}$ " CHAIN					
3		SBE37	2	1304	1316		BUOY + 45m INSTRUMENTS
4		XRH20	2	10515	1316		RECOVERED JULY 22 2010
5	.37	$\frac{3}{4}$ " CHAIN					SEE NOTES P8
6		SBE37	3.7	3639	1308		
7	1.95	$\frac{3}{4}$ " CHAIN					
8	SBE 37	NORTEK ADCP	7	1899	1302		
9	1.95	$\frac{3}{4}$ " CHAIN					
10		NORTEK ADCP	10	333	1302		
11	3.66	$\frac{3}{4}$ " CHAIN					
12		NORTEK ADCM	15	1666	1300		
13		SBE37	16	1900	1300		
14	2.55	$\frac{3}{4}$ " CHAIN					
15		NORTEK ADCM	20	1688	1258		
16	3.66	$\frac{3}{4}$ " CHAIN					
17		SBE 39	25	203	1256		
18	3.66	$\frac{3}{4}$ " CHAIN					
19		SBE37	30	1901	1254		
20	1.05	$\frac{3}{4}$ " CHAIN					
21		NORTEK ADCP	32.5	357	1252		
22	1.2	$\frac{3}{4}$ " MC					
23		SBE 39	35	721	1252		
24	3.66	$\frac{3}{4}$ " MC					
25		SBE 37	40	1902	1250		

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Item No.	Length (m)	Item	Depth	Inst No.	Time Over	Time Back	Notes
26	3.66	3/4 MC					RECOVERED 7-22-2010
27		NORTEK ADCM	45	2064	1248		UP ↑
28	8.75	7/16 WIRE					INSTRUMENTS BELOW REC. 2011/07/02
29		NORTEK ADCM	55	2082	1333	1718	CRUSHED
30	6.1	7/16 WIRE					
31		SBE 37	62.5	1903	1338	1726	LOAD BAR
32	21.1	7/16 WIRE					
33		SBE 39	70	1502	1340	1735	
34		SBE 39	77.5	3423	1342	1737	
35		SBE 37	85	1905	1346	1737	LOAD BAR
36	13.3	7/16 WIRE					
37		SBE 39	92.5	3434	1347	1737	
38		VMCM	100	3	1343 19	LAST UP	FISH HOOK IN UPPER PROP BANDS OFF #1251 JAMMED
39	27.8	7/16 WIRE					
40		SBE 39	115	3435	1354		
41		SBE 37	130	1907	1357	1801	
42	3.66	3/4 CHAIN					
43		RDI ADCP	135	12254	1400	1801	
44	8	7/16 WIRE					
45		VMCM	145	14	1403	1859	
46	12.8	7/16 WIRE					
47		SBE 37	160	1912	1406	1749	LOAD BAR
48	21.3	7/16 WIRE					
49		SBE 39	175	3437	1408	1759	
50		VMCM	183	29	1410	1801	BANDS OFF 1410



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Item No.	Length (m)	Item	Depth	Inst No.	Time Over	Time Back	Notes
51	4.8	7 16 WIRE					
52		SBE 37	190	2009	1413	1805	
53	28.5	7 16 WIRE					
54		SBE 37	220	2011	1417	1806	
55	13	7 16 WIRE					
56		VMCM	235	34	1421	1835	BANDS OFF 1420
57	13	7 16 WIRE					
58		SBE 37	250	1910P	1423	1844	
59	28.5	7 16 WIRE					
60		VMCM	280	37	1427	1835	BANDS OFF 1425
61	13	7 16 WIRE					
62		SBE 37	295	2010	1430	1839	
63	8	7 16 WIRE		TERMINATED			
64	6.1	7 16 WIRE					
65		VMCM	311	40	1433	1835	
66	500	3 8 WIRE				149	
67		SBE 39	361	3438	1435	1833	
68		SBE 39	411	3439	1438	1833	NOT SURE OF REWIND TIME
69		VMCM	814	53	1450	1619	PROPS GOOD ON RECOVERY BANDS OFF 1449
70	500	3 8 WIRE				1619	7 TWISTED WIRE @ 1712
71	200	3 8 WIRE					
72		VMCM	1517	76	1519	1652	PROPS SPINNING ON RECOVERY BANDS OFF 1516
73	300	3 8 WIRE			1519 -	1609	WUZLE
74	100	3 8 WIRE		ONE PIECE WRAPPED TERMINATION	1528 -	1604 -	10 WUZLE
75	200	7 BNYLOD			1539 -	1547 -	

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Item No.	Length (m)	Item	Depth	Inst No.	Time Over	Time Back	Notes
76	1750	7 B NYLON			1556-	1445-	LOOKS MUDDY ~ 1500
77	1500	1 COLMESA				1444	
78		84 GLASS BALLS				1252	ON SURFACE @ 1230, HOOKED ON @ 1242. ON DECK 1249-1252 2 BALLS CRUSHED
79	5	1/2 CHAIN					
80		RELEASES				1302	
81							
82							
83							
84							
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100							

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Date/Time	Comments
7-7-10 ~1100 UTC	STRATUS 10 MOORING FAILED, DRIFTING NW
7-21-10 2200	BUOY FLIPPED OVER IN 4M WAVES
7-22-10 2000	BUOY AND 45M OF INSTRUMENTS RECOVERED BY
	LORD + PIETRO ON B.I.C. HUMBOLT OF PERIL.
	RECOVERY POSITION 17.927 S 80.265 W
	MAIN POWER OFF 2155 UTC
	STANDALONE POWER OFF 2210