

# Moored Station Log

(fill out log with black ball point pen only)

PO #1250

ARRAY NAME AND NO. SPURS-WHOI MOORED STATION NO. PO#1250

## Launch (anchor over)

Date (day-mon-yr) 14 SEP 2012 Time 18:38:58 UTC

Deployed by LORD/FARRAR Recorder/Observer EMDRAE

Ship and Cruise No. KNORR 209-01 Intended Duration \_\_\_\_\_

Depth Recorder Reading 5355 m Correction Source Full depth CTD cast

Depth Correction 0 m from Athena ship's datalogger

Corrected Water Depth \_\_\_\_\_ m Magnetic Variation (E/W) -13.9445 (0.1245) NGDC

Anchor Drop Lat. (N/S) 24°35'02.47" N Lon. (E/W) 038°00'00.17" W

Surveyed Pos. Lat. (N/S) \_\_\_\_\_ Lon. (E/W) \_\_\_\_\_

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

Acoustic Release Model 8242 Tested to 3000 m

Release No. 1 (sn) 35317 Release No. 2 (sn) 33412

Interrogate Freq. 11 KHz Interrogate Freq. 11 KHz

Reply Freq. 12 KHz Reply Freq. 12 KHz

Enable 111321 Enable 361226

Disable 111344 Disable 361243

Release 127430 Release 346443

## Recovery (release fired)

Date (day-mon-yr) 9-30-13 Time ~~08:10~~ 10:40 UTC

Latitude (N/S) 24.595 Longitude (E/W) 37.995

Recovered by Lord/Smith Recorder/Observer Frattantoni

Ship and Cruise No. Endeavor Actual duration \_\_\_\_\_ days

Distance from waterline to buoy deck 25"

ARRAY NAME AND NO. SPURS. WHOI MOORED STATION NO. PO#1250

14 SEP 2012

(Subsurface) Instrumentation on Buoy and Bridle

Item	ID #	Depth†	Comments
STAND-ALONE MODULES			
LASCAR	336	162	
Huase	HAS001	228	
SBE39AT	72	215	
VAISALA	VWX003	258	
XEOSIMEI		240	SN 300034013707580
SAHRH	248	237	
SIS	AR9059207	-150	
WAMDAS	06014		NDBC# 26829
IR MODEM			NDBC# 25723
MODEMIMEI			300224010/00810
SIM			8988169312002051278
SDMGXI	2798		NDBC# 26330
NDBCSTN			41061/41T61
MAGVAR			-14.0 (check @ NQDC for 2012/09/14) ≈ -13.9445 + 0.1245/yr
TR1060	14860	98	120 PORT
TR1060	14972	87	180 FWD
TR1060	14974	97	180 FWD
TR1060	14975	95	240 STBD

†Depth below buoy deck in centimeters

ARRAY NAME AND NO. SPURS-WHOI MOORED STATION NO. PO#1250  
 14 SEP 2012

Surface Components

2.7 M  
 Buoy Type MOBS Color(s) Hull Tower GRAY+YELLOW/WHITE

Buoy Markings IF FOUND ADRIAT CONTACT WOODS HOLE OCEANOGRAPHIC  
 WOODS HOLE MA 02543 USA 508 548 1401 / WOODS HOLE OCEANOGRAPHIC INST. 508 548 1401

Surface Instrumentation

SYSTEM 1

Item	ID #	Height*	Comments
LOSSER #1	L-37		
HRH	250	237	
BPR	225	237.5	
WND	221	266	
PRC	220	232	
LWR	206	280.5	
SWR	229	280.5	
SST	5996	-150	
PTT	99593		ID# 8391, 8394, 8396, 8840
DCFS	#2	284	
LICOR	#2	210	

SYSTEM 2

LOSSER #2	L-38		
HRH	247	231	
BPR	233	230	
WND	239	266	
PRC	229	233	
LWR	503	280.5	
SWR	223	280.5	
SST	5997	-150	
PTT	98954		ID# 1301, 1303, 1304, 8252
DCFS	#1	284	
LICOR	#1	209	

\*Height above buoy deck in centimeters

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SBE39AT	72	215	
VAISALA	VWX003	258	
XEOSIMBI		240	SN 300034013707580
SAHRH	248	237	
SIS	ARGOS9207	-150	
WAMDAS	06014		NDBC# 26829
IR MODEM			NDBC# 25723
MODEMIMBI			300224010/00810
SIM			89881 69312002051278
SDMGXI	2798		NDBC# 26330
NDBCSTN			41061/41T61
MAGVAR			-14.0 (checked @ NGDC 8/5 2012/09/14) ≈ -13.9445 + 0.1245 yr
TR1060	14960	98	120 PORT
TR1060	14972	87	180 FWD
TR1060	14974	97	180 FWD
TR1060	14975	95	240 STBD

†Depth below buoy deck in centimeters

ARRAY NAME AND NO. SPURS - WHOT MOORED STATION NO. PO#1250

14 SEP 2012

Item No.	Length (m)	Item	Depth	Inst No.	Time Over	Time Back	Notes
1		Buoy		1250	11:42	10:51	10/1
2							
3		SBE39	1.3	4607	11:42	10:51	
4		SBE37	2.1	6060	11:42	10:51	
5		NORTEK	3.0	1961	11:41	10:55	Concutter
6		SBE39	3.0	4608	11:41	10:55	0.3m chain
7		SBE39	4.4	4609	11:41	10:58	
8		SBE37	5.2	6061	11:41	10:58	0.53m chain - loose tape
9		SBE39	6.5	4882	11:25	11:00	0.83m chain <sup>in water</sup> final 11:29
10		SBE37	8.0	6062	11:25	11:00	1.67m chain - loose tape
11		SBE37	11	6063	11:22	11:03	0.76m chain - loose tape
12		NORTEK HR VANE	12.5	5143	11:19	11:03	
13		SBE37	14	6729	11:19	11:03	1.68m chain
14		SBE37	17	6730	11:17	11:06	
15		NORTEK PROFILE	18	ADD 5347	11:17	11:06	Profiler 0.76m chain
16		SBE37	20	6774*	11:17	11:06	0.76m chain
17		NORTEK HR VANE	21.5	6774* ZAPPA	? 11:17	11:06	HRC wire
18		SBE37	23	6929	? 11:16	11:09	
19		SBE37	25	7890	? 11:16	11:09	
20		URI SAMP	26	26M	11:14	11:09	18.35m rope
21		SBE37 IM	30	5998IM	11:09	11:09	
22		SBE37	35	7216	11:09	11:09	
23		SBE37	40	7217	11:09	18:32	1151 out 115337in Buoy ADP#
24		NORTEK HR	41.5	8089	11:09	18:29	w/ Vane 1.95m chain 1151 out 1154130in
25		NORTEK CM	45m	ADD 2346	11:54	27	with SBE16

\* → Bring individual notes for recovery of URI Samplers

↑ 10/01 Recovery

↓ 6/30 very hairy loose tape

use SBE16

\* Yes, 16+17 have the same serial!

ARRAY NAME AND NO. SPURS - WHOT MOORED STATION NO. P0# 1250  
14 SEP 2012 9/30/13 recovered

Item No.	Length (m)	Item	Depth	Inst No.	Time Over	Time Back	Notes
26		<del>NORTEK</del> SBE16	45m	141	115427	18:26	with <del>NORTEK</del> tape falling off
27	15	wire		12077-16		18:26	
28		SBE37	50	7218	115631	18:25	
29		SBE37 IM	55	5999 IM	115804	18:24	shield bent
30		SBE37	60	7219	120239	18:23	tape falling off
31		<del>NORTEK</del> HR VANE	61.7	9134	120357	18:19	
32	11.5	wire		—		18:19	
33		SBE37 IM	65	6000 IM	1204	18:18	
34		SBE37	70	7220	120507	18:16	heavy slime
35		ADCP 300K	75	14193	1213	18:12	300kHz slime
36		SBE37	75	7891	1213	18:12	3.15u chain
37		SBE16	80	1430	121827	18:09	0.75u chain <sup>cut</sup> <sub>and</sub> <sub>in</sub>
38		<del>NORTEK</del> HR VANE	82	6790	122415	18:06	heavy slime
39	18	WIRE		—		18:06	
* 40		URI SAMP	84		122417	18:06	clean <sub>entry</sub>
41		SBE37	85	7221	122418	18:05	slime
42		SBE37	90	7715	1225	18:04	slime
43		<del>NORTEK</del>	100	ADD 8013	123248	17:58	goose necks
44		SBE37	101	7716		17:58	
45		<del>NORTEK</del> HR VANE	101.6	6524 Zotter	123259	17:58	light growth
46	16.5	wire		—		17:58	
47		XRL40	110	13249	123512	17:56	
48		SBE16	120	144	1240	17:51	
49		<del>NORTEK</del> HR Vane	121.6	8116	12400	17:50	
50	16.75	wire		—		17:50	

ARRAY NAME AND NO. SPURS-WHOI MOORED STATION NO. PO 1250

14 SEP 2012

Item No.	Length (m)	Item	Depth	Inst No.	Time Over	Time Back	Notes
51		XR420	130	15223	124139	1749	strange green algae
52		SBE16	140	146	124440	1745	
53	3.66	chain <sup>3</sup>				1742	
54		ADCP 300K	145	1494	124755	1742	
55	33	wire <sup>7</sup>				1742	
56		XR420	150	15224	124945	1741	
57		SBE37	160	7892	1251	1740	
58		XR420	170	15225	12520	1739	
59		SBE16	180	928	125531	1735	
60	19	wire <sup>7</sup>		—		1735	
61		XR420	190	15247	125723	1734	
62		SBE <sub>16</sub>	200.5	0142	130148	1731	
63	93	wire <sup>3</sup>		—		1731	
64		SBE 3TIM	250	6001M	130720	1727	
* 65		WBT SAMP	251		130720	1727	
66		ADCP 150K	295	CSN 1594	1312	1722	
67	2.7	Chain				1721	
68		SBE16	300	0991	131335	1719	
69	99	wire <sup>3</sup>		—		1719	
70		SBE37	350	6375	1315	1717	Shield missing
71		SBE16	400	993	1318	1712	
72	99	wire <sup>3</sup>		—		1712	
73		SBE16	500	994	1324	1704	
74		—				1704	
75		VMCM	502	2	1324	1704	BANDSOFF / Bands ON 132037 / 1704:42

ARRAY NAME AND NO. SPURS-WHOI MOORED STATION NO. P0 1250

14 SEP 2012

Item No.	Length (m)	Item	Depth	Inst No.	Time Over	Time Back	Notes
76	500	WIRE 3/8		—		1703	Munk off 43 XFR.
* 77		URI SAMP	± 801		134202	1653	clean entry
78		VMCM	1005	59	134736	1646	134538 BANDS OFF 164756 ON
79	500	7/8 wire		—		1646	
80	200	3/8 wire		—		1632	
81		VMCM	1708	69	140805	1622	BANDS OFF 1357 08 / 1623:00 on
82	190	WIRE Nyston		—		1614	
* 83		URI SAMP	1800		141644 in water.	1614	Plastic off when fallen with penetration out out of water at long time
2/14WB 3 buys 84	2700	NYLON				1600	
85	1800	COLMERA				1445	
86		Glass Balls			1838- 1655	159	80 balls / 2 broken
87		Release		3537	1750		what spent dealing with balls
88		Release		3342	1750	1216	
89		Chain					
90		Nyston					
91		Chain					
92		ANCHOR			183858		
93							
94							
95							
96							
97							
98							
99							
100							

release 10:40 sighted balls 1130 grabbed balls 1156



ARRAY NAME AND NO. SPURS-WHOT MOORED STATION NO. P01250

Date/Time	ITEM	Comments
14 SEP 2012	9	In and out while next string of units attached
	23	Fast Tasts deployed, out after water gain ended after float was in. Final 11:53:37
	24	in and out while next instruments were being attached 11:54:13
	37	in and out of water several times while next instruments were being attached
	83	URF sampler got stuck out of water a long time at least 5 min with plastic off but foil still on while problem with debamixing termination was resolved.
<hr/>		
March 2013		recovered bottom section
		of mooring to replace
		wire to nylon with wire
		to nylon. Moved anchor
		position to 24 31.967N 37 59.277W