

# Moored Station Log

(fill out log with black ball point pen only)

ARRAY NAME AND NO. SPURS 2 MOORED STATION NO. 1282

## Launch (anchor over)

Date (day-mon-yr) 24-08-2016 Time 00:01 UTC  
Deployed by Pietro Recorder/Observer McRaven (Trafford)  
Ship and Cruise No. RR1610 Intended Duration 13 mo.  
Depth Recorder Reading \_\_\_\_\_ m Correction Source EM 122  
Depth Correction 1540 m<sup>ys</sup> - Ship Sensors m \_\_\_\_\_  
Corrected Water Depth 4769 m Magnetic Variation (E/W) \_\_\_\_\_  
Anchor Drop Lat. (N/S) 10° 03.07' N Lon. (E/W) 125° 01.73' W  
Surveyed Pos. Lat. (N/S) (N/S) ~~125° 01.73' W~~ Lon. (E/W) 125° 1.939' W  
10° 03.0481' N  
Argos Platform ID No. \_\_\_\_\_ Additional Argos Info on pages 2 and 3

Acoustic Release Model Edgetech 8242 Tested to 1000 m

Release No. 1 (sn) <u>48271</u>	Release No. 2 (sn) <u>48277</u>
Interrogate Freq. <u>12</u>	Interrogate Freq. <u>12</u>
Reply Freq. <u>11</u>	Reply Freq. <u>11</u>
Enable <u>567252</u>	Enable <u>567550</u>
Disable <u>567271</u>	Disable <u>567573</u>
Release <u>551014</u>	Release <u>551146</u>

## Recovery (release fired)

Date (day-mon-yr) ~~07~~ 07-11-2017 Time 13 50 32 UTC  
Latitude (N/S) 10° 02' 8.49" N Longitude (E/W) 125° 02' 18.4" W  
Recovered by Pietro Recorder/Observer \_\_\_\_\_  
Ship and Cruise No. Ravelle Actual duration \_\_\_\_\_ days  
Distance from waterline to buoy deck 57 cm, watch circle 3.8 nautical miles  
(estimated from design)

ARRAY NAME AND NO. SPURS 2

MOORED STATION NO. 1282

**Surface Components**

Buoy Type Modular Foam Color(s) Yellow above / blue below / white  
 Hull Tower Yellow above / blue below / white

Buoy Markings '508 548 1401 USA' IF FOUND ADRIFT NASA  
 Waterline marks @ 50, 60, 70, 80

**Surface Instrumentation**

Item	ID #	Height*	Comments
ASIMET LGR	L38		IMEI # 300234063095790
HRH	506	230	
BPR	225	238	
WND	362	267	upon recovery, tail section cut off by bird strike
PRC	229	252	
LWR	236	282	
SWR	504	283	
SST	3603	-152	
ASIMET LGR	L43		IMEI # - 300234063098800
HRH	247	220	
BPR	233	238	
WND	701	266	
PRC	216	253	
LWR	209	283	
SWR	211	283	
SST	7048	-152	
VWX	VWX002	239	
Hasse	001	236	
HRH	501	228	
LASCAR	10022364	200	EL-USB-2+
SBE 39 AT	5276	217	

\*Height above buoy deck in centimeters



ARRAY NAME AND NO. SPURS 2MOORED STATION NO. 1282

Item No.	Length (m)	Item	Depth	Inst No.	Time Over	Time Back	Notes
1		Buoy			17:27	22:26	good deployment, no issues
2	<del>1.3</del>	SBE39	1.3	4882 ✓	17:27	22:27	
3		SBE37	2.1	11056 ✓	17:27	22:27	
4		Nortek	3.0	1664 ✓	17:27	22:27	cage slightly bent going over side
5		SBE39	3.0	3800 ✓	17:27	22:27	
6		SBE39	4.4	4609 ✓	17:27	22:27	
7		SBE37	5.2	1835 ✓	17:27	22:27	
8		SBE39	6.1	1498 ✓	17:11	22:27	
9	0.45	3/4" chain					
10		Nortek HR	7.0	8089 ✓	17:06	22:31	
11		SBE37	8.5	8217 ✓	17: <del>06</del> <sup>06</sup>	22:31	
12	1.65m	3/4" chain					
13		SBE37	11.5	8225 ✓	17: <del>07</del> <sup>03</sup>	22:32	
14	1.2m	3/4" chain					
15		SBE37	14.0	5996 ✓	17:00	22:35	
16	1.725	3/4" chain					
17		SBE37	17.0	6060 ✓	16:58	22:36	
18		Nortek Profiler	18.0	8013 ✓	16:57	22:36	
19	0.76	3/4" chain					
20		SBE37	20.0	6061 ✓	16:55	22:38	
21	0.76	3/4" chain					
22		Nortek HR	21.5	6790 ✓	16:52	22:38	serial # not visible
23	18.35	7/16" WR					
24		SBE37	23.0	7216 ✓	16:50	22:41	
25		SBE37	25.0	7890 ✓	16:48	22:41	

ARRAY NAME AND NO. SPURS 2

MOORED STATION NO. 1282

Item No.	Length (m)	Item	Depth	Inst No.	Time Over	Time Back	Notes
26		SBE37	30.0	2717 ✓	16:44	22:47	
27		SBE37	35.0	7219 ✓	16:44	22:42	
28		SBE37	40.0	7715 ✓	16:43	21:53	
29		NortekHR	41.5	8116 ✓	16:42	21:52	
30	1.88	3/4" chain		✓			
31		NortekCM	45.0	2346 ✓	16:38	21:49	
32		SBE37	45.0	7716 ✓	16:38	21:49	
33	3.3	3/4" chain		✓			First item over ↑ Items 30-33
34		SBE16	50.0	144 ✓	17:44	21:46	(Deployment began Aug 23rd UTC)
35	10.5	7/16" WR		✓			
36		SBE37IM	55.0	5998 ✓	17:45	21:45	
37		SBE37	60.0	6062 ✓	17:53	21:41	
38		NortekHR	61.7	5347 ✓	17:53	21:41	
39	11.5	7/16" WR		✓			
40		SBE37IM	65.0	5999 ✓	17:55	21:40	
41		SBE37	70.0	7891 ✓	17:59	21:39	
42		300 <del>kHz</del> ADCP kHz	75.0	2125 ✓	18:08	21:35	bar is bent. Fishing line
43		SBE37	75.0	7892 <sup>2</sup> ✓	18:08	21:35	
44	3.15	3/4" chain		✓			
45		SBE16	80.0	146 ✓	18:09	21:32	
46	2.1	3/4" chain		✓			
47	18	7/16" WR		✓			
48		SBE37	85.0	7220 ✓	18:10	21:31	
49		SBE37	90.0	6729 ✓	18:10	21:30	
50		Nortek Profiler	100.0	9134 ✓	18:26	21:25	

ARRAY NAME AND NO. SPURS 2MOORED STATION NO. 1282

Item No.	Length (m)	Item	Depth	Inst No.	Time Over	Time Back	Notes
51		SBE37	101.0	6774 ✓	18:26	21:25	
52		Nortek HR	101.6	5143 ✓	18:26	21:25	
53	16.5	7/16" NR					
54		SBE37IM	110.0	6000 ✓	18:28	21:23	
55		SBE16	120.0	928 ✓	18:33	21:20	plug is bent
56	1.84	3/4" chain		✓			
57	16.75	7/16" NR					
58		SBE37	130.0	6929 ✓	18:35	21:19	
59		SBE16	140.0	991 ✓	18:40	21:15	
60	3.66	3/4" chain		✓			
61		300 kHz ADCP	145.0	14194 ✓	18:44 <del>18:43</del>	21:12	
62	33	7/16" NR					
63		SBE37	150.0	6063 ✓	18:45	21:11	#7221 fouled with fishing line
64		SBE37	160.0	7221 ✓	18:46	21:09	←
65		XR420	170.0	15226 ✓	18:48	21:07	
66		SBE16	180.0	993 ✓	18:51	21:05	
67		XR420	190.0	15246			
68	19	7/16" NR <del>6/16" NR</del>					
69		XR420	190.0	15246 ✓	18:53	21:04	
70		SBE16	200.5	994 ✓	18:56	21:01	instrument labeled only 200, not 200.5
71	63.5	3/8" NR					
72		SBE37IM	250.0	6001 ✓	18:59	20:59	
73		150 kHz BB ADCP	265.0	1594 ✓	19:06	20:55	
74	32.5	3/8" NR					
75		SBE16	300.0	142 ✓	19:10	20:52	

ARRAY NAME AND NO. SPURS 2 MOORED STATION NO. 1282

Item No.	Length (m)	Item	Depth	Inst No.	Time Over	Time Back	Notes
76	99	3/8" WR				20:51	
77		SBE37	350.0	6375 ✓	19:13	20:50	
78		SBE16	400.0	143A ✓	19:17	20:41	
79	99	3/8" WR				20:44	
80		PAL	500.0	001 ✓	19:25	20:40	
81		SBE16	502.0	2325 ✓	19:25	20:40	
82	200	3/8" WR				20:36	
83		LR ADCP	703.0	10407 ✓	19:52	20:32	
84		SBE37	703.0	7218 ✓	19:52	20:32	difficult top bushing
85	300	3/8" WR				20:27	
86		PAL	1005.0	003 ✓	20:07	20:21	
87		VMLM	1006.0	20 ✓	20:07	20:21	spike rotor @ 20:03, spiked 20:24
88	500	3/8" WR	<del>500</del>			20:10	
89	200	3/8" WR				20:05	
90		VMLM	1709.0	53 ✓	23:00	20:00	spike rotor @ 20:21, spike on W/M 12:00
91	50	3/8" WR		✓		19:58	
92	100	3/8" WR		✓		19:50	
93	200	7/8" Nylon		✓		19:10	with over-braid
94	2150	7/8" Nylon		✓		17:35	
95	1500	1" Colmega		✓		17:07 17:35	
96		88 Glass balls		✓	22:14 - 22:43	16:18 - 17:00	begin adding @ 22:14 (bluck out some time). finished @ 22:43 one glass ball broken.
97	5	1/2" TC		✓			towing to mooring site @ 22:56 should be about 2 hours.
98		Releases		✓	23:54		23:20 Begin anchor drop prep.
99	5	1/2" TC		✓			
100	20	1" samson		✓			
	5	1/2" TC		✓			
		Anchor	<del>4650</del> 4650	✓	00:00 00:01		good clean drop