

Moored Station Log

(fill out log with black ball point pen only)

ARRAY NAME AND NO. Stratus 14 MOORED STATION NO. 1277

Launch (anchor over)

Date (day-mon-yr) 21 - 04 - 2015 Time 16:58 1958 UTC

Deployed by LORD Recorder/Observer GALBRAITH

Ship and Cruise No. AGS 61 Cabo de Hornos Intended Duration 1 year

Depth Recorder Reading ~~4488~~ 4510 m Correction Source Sound vel profile

Depth Correction depth from multibeam 1500m SUP profile taken

Corrected Water Depth ~~4488~~ 4510 m Magnetic Variation (E/W) 6.75°

Anchor Drop Lat. (N/S) 19° 49.114 Lon. (E/W) 84° 44.2361

Surveyed Pos. Lat. (N/S) 19° 48.9713' Lon. (E/W) 84° 44.224 ← ship's log

Argos Platform ID No. P2,3 WATCH CIRC 3.7 NM Additional Argos Info on pages 2 and 3

Acoustic Release Model _____ Tested to 1500 m

Release No. 1 (sn) 33042 Release No. 2 (sn) 33039

Interrogate Freq. 11 Interrogate Freq. 11

Reply Freq. 12 Reply Freq. 12

Enable 314325 Enable 314170

Disable 314340 Disable 314212

Release 332250 Release 332174

Recovery (release fired)

Date (day-mon-yr) 22-06-16 Time 12:06 UTC

Latitude (N/S) 19° 49.277 Longitude (E/W) 84° 44.377

Recovered by Lord / Pietro Recorder/Observer Bigorre

Ship and Cruise No. AGS 61 Cabo de Hornos Actual duration 428 days days

Distance from waterline to buoy deck 55 to 60 cm 55 to 60 cm

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Surface Components

Buoy Type MOBS Color(s) Hull Tower _____

Buoy Markings _____

Surface Instrumentation

Item	ID #	Height*	Comments
ASIMET	1		
HRH	503	235	
BPR	234	238	
WIND	344	269	
PRC	504	247	
LWR	219	284	
SWR	216	284	
SST	1839		
PTT	99538		IDS 14644 14652 14653
ASIMET	2		
HRH	250	235	
BPR	213	238	
WIND	205	269	
PRC	219	247	
LWR	503	284	
SWR	215	284	
SST	1725		
PTT	14709		IDS 9805 9807 9811
HRH-SENS	233	243	SENSIRION SENSOR
WXT520	8	252	
LASCAR	10023643	224	
SBE39	5275	228	
SWR-KZ	801		1
XEOSROVER			3004 3406 0447 400

WATCH CIRCLE 3.7nm

*Height above buoy deck in centimeters

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Subsurface Instrumentation on Buoy and Bridle			
Item	ID #	Depth†	Comments
WANDAS	4003		
KILO	300-434060 447-400		GPS BEACON 300 234 062 943 610
SBE 56	1208	90	PORT 90°
SBE 56	1211 1209	120	FWD 180°
SBE 56	1210	90	FWD 180°
SBE 56	2069 1211	140	FWD 180°
SBE 56	1206	90	STBD 225°
PC02	} PH 62 { SBE 16 6893		PMEL
†Depth below buoy deck in centimeters			

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Item No.	Length (m)	Item	Depth	Inst No.	Time Over	Time Back	Notes
1		BOOY			1218	2039	on deck
2	.22	³ / ₄ CHAIN					
3		SBE 37	2	1304	1218	2039	
4	.37	³ / ₄ CHAIN					
5		SBE 37	3.7	3821	1219	2039	PRE-ATTACHED TO BRIDLE
6	.525	CHAIN					
7		SBE 39	5	39	1157	2039	
8	.9	³ / ₄ CHAIN					
9		SBE 37	7	3824	1157	2039	
10	4	³ / ₄ CHAIN					
11		SBE 39	12.25	41	1154	2100	
12		AA ADCM	13	235	1154	2100	
13	1.95	³ / ₄ CHAIN					
14		SBE 37	16.4	1899	1150	2108	
15		AA DCP	18.5	1500	1150	2108	HEADS DOWN
16	.675	³ / ₄ CHAIN					
17		SBE 39	20	53	1150	2108	
18	4.05	³ / ₄ CHAIN					
19		SBE 39	25	101	1148	2111	
20	3.97	³ / ₄ CHAIN					
21		SBE 37	30	1900	1144	2114	
22	1.125	³ / ₄ CHAIN					
23		AA ADCM	32.5	238	1140	2117	HEADS UP
24	1.125	³ / ₄ CHAIN					
25		SBE 39	35	721	1140	2117	

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Item No.	Length (m)	Item	Depth	Inst No.	Time Over	Time Back	Notes
26	3.97	³ / ₄ CHAIN					
27		SBE 37	40	1901	1131	2121	LOAD CELL
28	3.23	³ / ₄ CHAIN					
29		VMCM	45	35	1135	2124	#1 props secured 6/23/2016 1133 BANDS OFF ~ 1225 UTC
30	15.3	⁷ / ₁₆ WIRE					
31		SBE 39	52	1502	1244	2124	clamped
32		SBE 37	62.5	1902	1253	1847	load cage
33	21.2	⁷ / ₁₆ WIRE					
34		SBE 39	70	1509	1256	1845	clamped A few large barnacles
35		SBE 39	77.5	1511	1258	1841	"
36		SBE 37	85	8004	1303	1838	
37	1.2	³ / ₄ CHAIN					
38		VMCM	88	2058	1309	1834	A couple barnacles on props BANDS OFF 1304 Props secured 2006
39	9.5	⁷ / ₁₆ WIRE					
40		SBE 39	92.5	3423	1311	1833	
41		VMCM	100	2068	1318	1831	props secured 2006 BANDS OFF 1310
42	28	⁷ / ₁₆ WIRE					scraper/dredger
43		SBE 39	115	3434	1322	1828	BENT T sensor
44		SBE 37	130	1903	1327	1824	1326
45	3.3	³ / ₄ CHAIN					
46		RD1 ADCP	135	12254	1336	1822	small barnacles
47	23.5	⁷ / ₁₆ WIRE					
48		SBE 39	145	3435	1341	1820	
49		SBE 37	160	1905	1349	1818	small barnacles, including T sensor
50	21.3	⁷ / ₁₆ WIRE					

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Item No.	Length (m)	Item	Depth	Inst No.	Time Over	Time Back	Notes
51		SBE 39	175	3437	1351	1815	
52		VMCM	183	2059	1357	1811	small barnacles, including on 60.1350 PROPS SPUN, PROPS PROPS secured 2006
53	4.8	7/16 WIRE					
54		SBE 37	190	1907	1403	1808	some small corrosion on link
55	28.5	7/16 WIRE					
56		SBE 37	220	2011	~1407	1803	FISHING GEAR + a couple barnacles
57	13	7/16 WIRE				1803	
58		VMCM	235	61	1417	1757	FISHING GEAR ON + couple barnacle ALSO OFF 1408 PROPS secured 2006
59	53	3/8 WIRE					
60		SBE 37	250	10	1422	1754	BROKEN COND CLAMPED CELL props secured 2006
61		VMCM	290	2010	1428	1748	ALSO OFF 1414
62	500	3/8 WIRE					
63		SBE 37	310	7836	1438	1745	CLAMPED
64		SBE 39	400	3438	1441	1737	
65		SBE 39	450	3439	1444	1735	
66	500	3/8 WIRE			1554-	1724	START TIME FOR THIS SHOT
67	500	3/8 WIRE		11237-3	1508-	1717	11237-3
68	100	3/8 WIRE		12200-3-A	1527		12200-3-A + time over
69	100	3/8 WIRE			1528-	1705	WRAPPED TERMINATION
70	200	7/8 NYLON			1535-	1700	OVER @ 1543
71	1850	7/8 NYLON			1600-		SPLICED
72	1500	1 COLMEGA			1629-	1615	splice 1624 : nylon / colmega splice
73		84 GLASS BALLS			1740-1841	1424	All balls intact.
74		SBE 37	4496	10600	1854	1445	37m FROM BOTTOM
75		SBE 37	4496	10601	1854	1445	

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Item No.	Length (m)	Item	Depth	Inst No.	Time Over	Time Back	Notes
76	5	1/2 CHAIN					
77		RELEASES			1904	1449	
78	5	1/2 CHAIN					
79	20	SAMSON					
80	5	1/2 CHAIN					
81		ANCHOR			19:58		
82							
83							
84							
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