

Moored Station Log

(fill out log with black ball point pen only)

ARRAY NAME AND NO. STRATUS/7 MOORED STATION NO. _____

Launch (anchor over)

Date (day-mon-yr) 10-April-2018 Time 23:24 UTC
Deployed by Ben Pietro Recorder/Observer Sebastien Bigorre
Ship and Cruise No. Cabo de Hornos Intended Duration 365 days
Depth Recorder Reading _____ m Correction Source Bathymetry map
Depth Correction _____ m (based on Eutlicbeam surveys)
Corrected Water Depth 4565 m Magnetic Variation (E/W) _____
Anchor Drop Lat. (N/S) 19° 38.38' Lon. (E/W) 084° 55.273'
Surveyed Pos. Lat. (N/S) 19° 38.3203' Lon. (E/W) 084° 55.099'
Argos Platform ID No. _____ Additional Argos Info on pages 2 and 3

Acoustic Release Model _____ Tested to 1,500 m

Release No. 1 (sn) <u>48274</u>	Release No. 2 (sn) <u>35319</u>
Interrogate Freq. <u>11</u>	Interrogate Freq. <u>11</u>
Reply Freq. <u>12</u>	Reply Freq. <u>12</u>
Enable <u>567 402</u>	Enable <u>111 446</u>
Disable <u>567 421</u>	Disable <u>111 465</u>
Release <u>551 071</u>	Release <u>127 476</u>

Recovery (release fired)

Date (day-mon-yr) 18-04-19 Time 1620 (buoy back on deck) UTC ¹⁷
Latitude (N/S) 14° 55.648' S Longitude (E/W) 105° 30.986 W
Recovered by Pietro Recorder/Observer Bigorre
Ship and Cruise No. AGS61 Cabo de Hornos Actual duration 129 (on station) days
Distance from waterline to buoy deck 60 cm 373 (station + drifting)

ARRAY NAME AND NO. STRATUS A MOORED STATION NO. _____

Surface Components

Buoy Type 7MB Color(s) Hull Tower Yellow (top), Blue (bottom)
 Buoy Markings If found adrift contact Woods Hole Oceanographic
Woods Hole MA 02543 USA 508-457-1401

Surface Instrumentation

Item	ID #	Height*	Comments
ASINET logger	L04		Port side
HRH	213	240	
BPR	210	242	
WND	343	264	
PRC	506	252	
LWR	208	284	
SWR	349	285	
SST	1725		
Tridium	J10C51		3002 3406 3167 110
ASINET logger	L14		Starboard side
HRH	249	243	
BPR	219	236	
WND	346	264	
PRC	219	253	
LWR	243	284	
SWR	216	285	
SST	1839		
PIT	18171		Ids: 27919, 27920, 27921
Standalones			
WXT	201	240	
Lascar	10031713	210	
SBES9AT	477	235	
HRH	269	238	
SWR	206	284	

*Height above buoy deck in centimeters

ARRAY NAME AND NO. STRATUS 17 MOORED STATION NO. _____

out of water for last time

Went out of water
* for TB until 13:50

Item No.	Length (m)	Item	Depth	Inst No.	Time Over	Time Back	Notes
1		Buoy			13:36	1620	→ on deck
2	0.22	3/4 chain					
3		SBE37	2	1325	13:36		
4	0.37	3/4 chain					
5		SBE37	3.7	1326	13:36		
6							
7		SBE39	4.9	35	13:36	1658	down, short TB.
8	1.3	3/4 chain					
9		Aanderaa RCR11*	7	78	13:36	1740	
10	1.5	3/4 chain					
11		SBE37	10	1328	13:32	1746	
12	1.73	3/4 chain					
13		North ADPC	13	357	13:06	1746	Heads up
14	1.35	3/4 chain					
15		SBE37	16	1324	13:01	1750	
16	2.7	3/4 chain					
17		Aanderaa RCR11(P)	20	79	12:57	1750	
18	3.66	3/4 chain					
19		SBE39	25	38	12:55	1754	Up, short TB.
20	3.9	3/4 chain					
21		SBE37	30	1330	12:51	1757	
22	1.12	3/4 chain					
23		Aanderaa RCR11(P)	32.5	13	12:48	1758	
24	1.2	3/4 chain					
25		SBE39	35	44	12:48	1802	Up, short TB.

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out of water for last time

Item No.	Length (m)	Item	Depth	Inst No.	Time Over	Time Back	Notes
26	3.9	3/4 chain					
27		SBE37	40	8211	12:42	1802	
28	3.66	3/4 chain					
29		Aanderaa Seaguard	45	138	12:29	1824	w optode.
30	16	7/16 wire					
31		SBE39	50	48	13:51	1833	clamped.
32		SBE39	55	49	13:53	1836	clamped.
33		SBE37	62.5	8212	13:58	1838	load bar.
34	16	7/16 wire					
35		SBE39	70	102	14:04	1846	clamped
36		SBE39	77.5	103	14:18	1847	clamped
37		RDI ADCP	80	1218	14:25	1847	
38	6	7/16 wire					
39		SBE37(p)	85	1909	14:29	1855	clamped
40		Aanderaa Seaguard	87.3	140	14:33	1855	w optode.
41	18.2	7/16 wire					
42		SBE39	92.5	203	14:33	1901	clamped.
43		SBE39	100	276	15:40	1904	clamped. (without black wings) 19:30
44		Fluorometer wetlabs	104.5	2866	15:41	1906	clamped. ** depth 104m
45		Aanderaa Seaguard	107	961	15:41	1906	load bar Strannak. w optode.
46	21.5	7/16 wire					
47		SBE39	115	284	15:44	1915	clamped.
48		SBE37	130	8215	15:52	1917	load bar.
49	14	7/16 wire					
50		Aanderaa Seaguard	145	141	15:58	1924	w optode

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out of water for last time

Item No.	Length (m)	Item	Depth	Inst No.	Time Over	Time Back	Notes
51	13.5	7/16 wire					
52		SBE37	160	8216	16:05	1930	load bar.
53	21.7	7/16 wire					
54		SBE39	175	719	16:06	1935	clamped.
55		Aanderaa Seaguard	183	964	16:11	1938	Lothar Stramma's. w optode.
56	5.5	7/16 wire					
57		SBE37	190	12258	16:17	1942	load bar.
58	29	7/16 wire					
59		SBE37	220	12256	16:24	1949	load bar.
60	13.5	7/16 wire					
61		Aanderaa Seaguard	235	142	16:29	1954	w optode.
62	53.5	7/16 wire					
63		SBE39	280	720	16:36	2009	clamped.
64		Aanderaa Seaguard	290	143	16:42	2012	w optode.
65	58.5	3/8 wire					
66		SBE37	295	1906	16:47	2016	clamped.
67		Aanderaa Seaguard	350	969	16:56	2020	Lothar Stramma's. w optode.
68	48.5	3/8 wire					
69		VNCT	400	053	17:05	2026	16:57 black spun wire chaffed up
70	48.5	3/8 wire					
71		Aanderaa Seaguard	450	181	17:11	2034	w optode.
72	148.5	3/8 wire	*				Oxygen no instr.
73		SBE37 (p)	550	3733	17:18	2042	clamped.
74		Aanderaa Seaguard	600	182	17:26	2046	w optode.
75	100	3/8 wire					

ARRAY NAME AND NO. STRATUS II MOORED STATION NO. _____

out of water for last time

Item No.	Length (m)	Item	Depth	Inst No.	Time Over	Time Back	Notes
76		SBE37	601	1908	17:26	2046	clamped below top term.
77		SBE37	696	8218	17:36	2053	clamped above bottom term. # change depth to 929 696 w optode
78		Aandring Seajward	700	144	17:36	2055	
79	100	3/8 wire					
80		VNCT	802 ²	17?	17:44	2101	17:37 black spun VM SN# 020
81	48.5	3/8 wire					
82		VNCT	853 ²	1 [✓]	17:53	2106	17:46 black spun
83	145	3/8 wire					
84		SBE37	857	8219	17:53	2112	clamped. Dummy plug heat
85		VNCT	91000	16?	18:02	2117	17:56 black spun One broken wing on each v -tor
86	500	3/8 wire					VM SN# 091
87		SBE37	1354	8220	18:15	2129	clamped.
88		VNCT	1506	80 [✓]	18:25	2136	18:16 black spun
89	500	3/8 wire					wire broken ~ 5 below top.
90		SBE37	1557	8221	18:28	1634	clamped.
91		SBE37	2000	8224	18:48	1640	clamped.
92		VNCT	2009	172?	18:53	1630	* there is another 17 above 18:50 black spun.
93	100	3/8 wire			18:54		} one piece termination (potted)
94	200	7/8 Nylon			19:35		
95	1700	7/8 Nylon			19:35	1550	} spliced at sea
96	1500	Columba			20:05	1514	
97		glass balls (92)			21:21	1402	6 6 balls broken
98		SBE37		11394	23:14	1410	} dualled with pressure
99		SBE37		12257	23:14	1410	} connector lock slightly loose
100	5	1/2 chain					

all come back
with me

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ARRAY NAME AND NO. STRATUS 17 MOORED STATION NO. _____

Date/Time			Comments			
Item No.	Item	Depth	Instr. No	Time Over	Time Back	Notes
101	Acoustic			23:14	1415	
102	chain (1m)					
103	1/2 chain (5m)					
104	1" Samson (20m)					
105	1/2 chain (5m)					
106	Anchor			23:24		
			* 19	38, 39	S	
			84	55, 41	W	