

Moored Station Log

(fill out log with black ball point pen only)

ARRAY NAME AND NO. STRATUS 20 MOORED STATION NO. _____

Launch (anchor over)

Date (day-mon-yr) 3-Apr-2022 Time 03:07 UTC

Deployed by Llanos Recorder/Observer Bigorre/Kasbrand

Ship and Cruise No. AGS 61 Cabo de Hornos Intended Duration 365 days

Cruise start 29 March 2022

Depth Recorder Reading 4261 m Correction Source Multibeam using

Depth Correction 0 m local speed of sound

Corrected Water Depth 4261 m Magnetic Variation (E/W) _____

Anchor Drop Lat. (N/S) 22° 27.246' Lon. (E/W) 085° 39.851'

Surveyed Pos. Lat. (N/S) 22 27.215' Lon. (E/W) 085° 39.942'

Argos Platform ID No. N/A (Iridium) Additional Argos Info on pages 2 and 3

Acoustic Release Model Edgetech Tested to 2,000 m m

Release No. 1 (sn) 55 464 Release No. 2 (sn) 54 683

Interrogate Freq. 11 Interrogate Freq. 11

Reply Freq. 12 Reply Freq. 12

Enable 107 275 Enable 272 224

Disable 107 304 Disable 272 241

Release 126 464 Release 250 420

Recovery (release fired)

Date (day-mon-yr) 28-Feb-2023 Time 1727 UTC

Latitude (N/S) 22° 27.326' S Longitude (E/W) 085° 39.818' W

Recovered by Llanos / Graham Recorder/Observer JP Jorgensen

Ship and Cruise No. AGS 61 Cabo de Hornos Actual duration 332 days

Distance from waterline to buoy deck 60 cm

ARRAY NAME AND NO. STRATUS 20 MOORED STATION NO. 11444

Surface Components

Buoy Type NOB Color(s) Hull Tower Blue / Yellow / White

Buoy Markings If found ...

Surface Instrumentation

Item	ID #	Height*	Comments
Logger (SYS 1)	L01	Port side	firmware V4.38-1 CF256 NB
HRH	263	235	
BPR	225	234	
WND	346	270	
PRC	213	252	
LWR	256	284	
SWR	258	284	
SST	2054		
Net Iridium			300 234 063 269 760
Logger (SYS 2)	L08	Starboard side	firmware V4.38-1 CF256 NB
HRH	215	235	
BPR	213	234	SD module
SWND	268	270	
PRC	505	252	SD module
LWR	206	284	
SWR	350	284	
SST	1836		
Net Iridium			300 234 063 166 220
Standalone:			
WXT	202	268 (mid Xducer)	
SWR KE	257		
HRH	270		SD module
Rotronic Hygrohis			
SB639 AT	3800		

*Height above buoy deck in centimeters

ARRAY NAME AND NO. STRATUS 20 MOORED STATION NO. _____

Item No.	Length (m)	Item	Depth	Inst No.	Time Over	Time Back	Notes
1		buoy			15:34	17:05	~ 15:34
2	0.22	3/4 chain					
3		SBE37	2	1304	15:34	17:08	in the recovery the structure was working in this line. ✓
4	0.37	3/4 chain					
5		SBE37	3.7	3821	15:34	17:08	✓
6	0.525	chain					
7		SBE39	5	39	15:34	17:08	✓
8	0.9	3/4 chain					
9		SBE37	7	3824	15:34	17:58	
10	4	3/4 chain					
11		SBE39	12.2	41	15:04	17:59	
12		Aanderaa ADC17	13	235	15:04	17:59	head SN 451
13	1.95	3/4 chain					
14		SBE37	16.4	1899	14:59	18:04	
15	2.1	3/4 chain					
16		SBE39	20	53	14:57	18:04	
17	4.05	3/4 chain					
18		SBE39	25	101	14:54	18:08	
19	3.97	3/4 chain					
20		SBE37	30	1900	14:52	18:13	
21	1.125	3/4 chain					
22		Matek ADC17	32.5	0432/ 2273	14:50	18:13	
23	1.125	3/4 chain					
24		SBE39	35	721	14:48	18:17	
25	3.97	3/4 chain					spooled 17:04

ARRAY NAME AND NO. STRATUS 20 MOORED STATION NO. _____

Item No.	Length (m)	Item	Depth	Inst No.	Time Over	Time Back	Notes
26		SBE37	40	1901	14:43	18:18	
27	3.23	3/4 chain					
28		VNCP	45	2062	14:32:25	18:23	spike 14:31:55 barnacles on props
29	15.3	7/16 wire					
30		SBE39	52	1502	14:32	18:39	clamped NO BARNACLES
31		SBE37	62.5	1902	15:53	19:37	NO BARNACLES IN PUMP
32	21.2	7/16 wire					
33		SBE39	70	1509	15:55	19:46	clamped
34		SBE39	77.5	1511	15:59	19:48	clamped
35		RDI ADP	85	14194	1608	19:50	pumped @ top of hour ✓ fuzzy algi on top ADP
36		SBE37	88	8004	1608	19:50	
37	9.5	7/16 wire					
38		SBE39	92.5	3423	1609	19:56	clamped
39		VNCP	100	2053	1624	19:58	spiked 16:22 little barnacles on props
40	28	7/16 wire					
41		SBE39	115	1498	1626	20:03	clamped
42		SBE37	130	1903	16:35	20:06	
43	3	3/4 chain					
44		VNCP	135	2004	16:37	20:06	16:35 spike (jacking line)
45	23.5	7/16 wire					
46		SBE39	145	3435	1640	20:16	clamped
47		SBE37	160	1905	1644	20:17	
48	21.3	7/16 wire					
49		SBE39	175	3437	1647	20:21	clamped
50		VNCP	183	2059	1706	20:22	spiked 17:04

ARRAY NAME AND NO. STRATUS 20 MOORED STATION NO. _____

Item No.	Length (m)	Item	Depth	Inst No.	Time Over	Time Back	Notes
51	4.8	7/16 wire					
52		SBE37	190	1907	1709	20:26	
53	28.5	7/16 wire					bottom of wire rubbed against fish water edge
54		SBE37	220	8214	1716	20:31	
55	13	7/16 wire					
56		VNCT	235	2061	1724	20:35	spiked 1722
57	53	3/8 wire					nicked @ bottom near bust on water's edge
58		SBE37	250	2011	1726	20:40	clamped
59		VNCT	290	2064	1734	20:43	spiked 1731 // fishing rope
60	160	3/8 wire					
61		SBE37	310	7836	1737	20:48	clamped
62		SBE39	400	3438	1741	20:54	clamped
63		VNCT	450	2083		20:59	1754 - spike
64	340	3/8 wire					OFF COURSE - NEED TO CORRECT - SEE NOTES
65		SBE37	550	8223	1906	21:06	clamped
66	500	3/8 wire				21:06	
67	500	7/8 wire					
68	100	3/8 wire					
69		SBE37	1890	3837 11378		21:52	38379 ? → rated 2000m 11378 } SNS 11378 - KISSLOT
70	100	3/8 wire					
71	200	7/8 nylon					
72	1850	7/8 nylon					
73	1200	1" Colnaja					
74		84 glass balls					
75		SBE37		10600			7/14/11 22.56 02:44 4/3

Anchor Drop

22° 27' 24" S
085° 39' 85" W

0307 UTC 4/3
Depth 4261m

ARRAY NAME AND NO. STRATUS 20 MOORED STATION NO. _____

Item No.	Length (m)	Item	Depth	Inst No.	Time Over	Time Back	Notes
76		SBE37		10601	0244 4/3	2209	→ approximately
77	5	1/2 chain					
78		acoustic release			0258		
79		acoustic release			0258		
80	1	chain w link					
81	5	1/2" chain					
82	20	Nystrae					
83	5	1/2 chain					
84		Anchor			0307		8000 lbs wet, (9300 lbs air)
85							
86							Glow ball on ship at
87							22:19
88							
89							
90							
91							
92							
93							
94							
95							
96							
97							
98							
99							
100							

ARRAY NAME AND NO. Stratus 20 MOORED STATION NO. _____

Date/Time	Comments
	Ship was not able to keep constant bearing during deployment, and track was not straight until rope went out.
Feb 28 - 2023	
16:56	begin recover process
17:05	bong out of the water
17:28	bong on the ship
	SBS 37 on down of the bong is putted damage
item 44 (VMCM)	fishing line on top prop of VMCM (serial 2001)
S9 (VMCM)	fishing line rope on down prop