

Moored Station Log

(fill out log with black ball point pen only)

ARRAY NAME AND NO. STRATUS-18 MOORED STATION NO. _____

Launch (anchor over)

Date (day-mon-yr) 04-13-2019 Time 23:43 UTC

Deployed by Pietro / Llanos Recorder/Observer S. Biggore

Ship and Cruise No. AGS61 "Cabo de Hornos" Intended Duration 365 days

Depth Recorder Reading 4268 m Correction Source Multibeam ED122

Depth Correction 0 m with local sound speed profile (1000)

Corrected Water Depth 4268 m Magnetic Variation (E/W) _____

Anchor Drop Lat. (N/S) 22 27.753' Lon. (E/W) 085 38.471'

Surveyed Pos. Lat. (N/S) 22 27.699' Lon. (E/W) 085 38.590'

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

Acoustic Release Model Edgetech 8242xs Tested to 1500m m

Release No. 1 (sn) 32479 Release No. 2 (sn) 31270

Interrogate Freq. 11 kHz Interrogate Freq. 11 kHz

Reply Freq. 12 kHz Reply Freq. 12 kHz

Enable 114510 Enable 360042

Disable 114533 Disable 360061

Release 132060 Release 344214

Recovery (release fired)

Date (day-mon-yr) 31-1-21 Time 10:55Z UTC

Latitude (N/S) 22 27.906' Longitude (E/W) 85 39.109'

Recovered by Llanos Recorder/Observer Mashbrock

Ship and Cruise No. _____ Actual duration _____ days

Distance from waterline to buoy deck 60 cm

@release 4344 TWT 5.793

3104, 3067, 2717

ARRAY NAME AND NO. S18

MOORED STATION NO. _____

Surface Components

Buoy Type MOB Color(s) Hull Tower Blue/yellow/white

Buoy Markings _____

Surface Instrumentation

Item	ID #	Height* mm	Comments
Logger	L01	—	System 1 (Port side)
IR Modem			IMEI - 300234063166220
HRH	215	235	
BPR	206	240	
SWND	217	268	
PRC	213	252	
LWR	212	283	
SWR	223	283	
SST	1836	-145	
Logger	L02	—	System 2 (STBD side)
IR Modem			IMEI - 300234063269760
HRH	230		
BPR	205		
WND	222		
PRC	275		
LWR	502		
SWR	352		
SST	2054		
HC2A-S3	20208310	225	Rotronic sensor w/ Logger
SBE39-AT	3800	230	
VWX	204	240	measured to white ring
SA HRH	221	235	
SA SWR KZ	801	283	

*Height above buoy deck in centimeters

Subsurface Instrumentation on Buoy and Bridle			
Item	ID #	Depth [†]	Comments
SST	1211	90	SBE 56 (90° STBD)
SST	1207	90	SBE 56 (0° BOW)
SST	1208	120	SBE 56 (0° BOW)
SST	1209	140	SBE 56 (0° BOW)
SST	2069	90	SBE 56 (270° PORT)
Melo	IMEI-	30003401320770	Surface
ROVER	IMEI-	30043406044740	Surface
K10	IMEI-	300234062945460	Sub-surface
PMEL	PCO2 System		
PCO2	0153	+70	Battelle MAPCO2
SBE16	6569	-150	
SAMI	100419	-150	
			Radar reflector was removed prior to deployment [†]

[†]Depth below buoy deck in centimeters

ARRAY NAME AND NO. S18

MOORED STATION NO. _____

Item No.	Length (m)	Item	Depth	Inst No.	Time Over	Time Back	Notes
1		buoy	0	-	1525	20:45	
2	0.22	3/4 chain					
3		SBE 37	2	1304	1525	20:45	Load BAR
4	0.37	3/4 chain					
5		SBE 37	3.7	3821	1525	20:45	Load BAR
6	0.525	3/4 chain					3/4" shackle, chain, 3/4" shackle
7		SBE 39	5	0039	1525	20:55	Load BAR
8	0.9	3/4 chain					
9		SBE 37	7	3824	1525	20:55	LOAD BAR
10	4.0	3/4 chain					
11		SBE 39	12.2	0041	1447		LOAD BAR
12		ADCM	13	238	1447		AANDYRAA - CAGE opto SN 2514
13	1.95	3/4 chain					
14		SBE 37	16.4	1899	1447		LOAD BAR
15	2.1	3/4 chain					
16		SBE 39	20	0053	1442		LOAD BAR
17	4.05	3/4 chain					
18		SBE 39	25	0101	1436		LOAD BAR
19	3.97	3/4 chain					
20		SBE 37	30	1900	1432		LOAD BAR
21	1.125	3/4 chain					chain is slightly shorter : 3m
22		ADCM	32.5	2385	1432		AANDYRAA . With DO sensor CAGE SN 2514
23	1.125	3/4 chain					
24		SBE 39	35	0721	1432		LOAD BAR
25	3.79	3/4 chain					

3.97

Remo
Cap

ARRAY NAME AND NO. _____ MOORED STATION NO. _____

Item No.	Length (m)	Item	Depth	Inst No.	Time Over	Time Back	Notes
26		SBE 37	40	1901	1425	21:06	LOAD BAR
27	3.23	3/4 Chain					
28		VMCM	45	11	1421		CAGE - Props spinned @ 1415 Back out at 15:50 to remove ^{hook} CLAMPED
29	15.3	7/16 wire					
30		SBE 39	52	1502	1557	1954	CLAMPED
31		SBE 37	62.5	1902	1602	1951	LOAD BAR
32	21.2	7/16 wire					
33		SBE 39	70	1509	1604	1950	CLAMPED
34		SBE 39	77.5	1511	1608	1949	CLAMPED
35		SBE 37	85 ^(80m)	8004	1627	1945	LOAD BAR - with Pressure TERMINATION ONLY
36		TRDI	88 ^(85m)	12254	1627	1945	CAGE
37	9.5	7/16 wire					
38		SBE 39	92.5	3423	1629	1944	CLAMPED
39		VMCM	100	16	1635	1941	CAGE - Props spinned 1630 1943
40	28	7/16 wire					
41		SBE 39	115	1498	1645	1938	CLAMPED
42		SBE 37	130	1903	1651	1936	LOAD BAR
43	3	3/4 Chain					
44		VMCM	135	38	1655	19:33	CAGE - Props spinned @ 1653 19:35 - zero spike
45	23.50	7/16 wire					
46		SBE 39	145	3435	1659	19:32	CLAMPED
47		SBE 37	160	1905	17:04	19:27	LOAD BAR
48	21.3	7/16 wire					
49		SBE 39	175	3437	1710	19:26	CLAMPED
50		VMCM	183	59	1714	19:22	CAGE 19:25 - zero spike PROP SPIN 17:06

VMCM zero spike = props secured w/ 5 zip ties

ARRAY NAME AND NO. _____ 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	1717	1919	LOAD BAR
53	28.5	7/16 wire					
54		SBE37	220	8214	1725	1916	LOAD BAR
55	13	7/16 wire					
56		VMCM	235	61	1728	1913	CAGE spiked @ 1722 ZERO SPIKE @ 1914
57	53	5/8 wire					
58		SBE37	250	2011	1730	1910	CLAMPED
59		VMCM	290	62	1736	1909	CAGE spiked @ 1733 ZERO SPIKE @ 1910
60	160	3/8 wire					
61		SBE37	310	7836	1740	1906	CLAMPED
62		SBE39	400	3438	1748	1903	CLAMPED
63		VMCM	450	83	1754	1858	CAGE spiked @ 1745 SPICED @ 1901 - ZERO SPIKE
64	340	3/8 wire					
65		SBE37	550	8223	1802	1853	CLAMPED
66	500	3/8 wire			1812	1847	
67		SBE37	550	8223			CLAMPED
68	500	5/8 wire			1840	1831	Jacket opened ~ 1 inch near bottom (2m from termination) → tape
69	100	5/8 wire			1902	1810	
70		SBE37	1890	12245	1911	1805	LOAD BAR with Pressure
71	100	5/8 wire			1916	18002	SPECIAL TERMINATION
72	200	7/8 Nylon				17522	HARD EYE
73	1850	7/8 Nylon					SPICED
74	1150	1" Colnaga			2005		
75		GLASS BALLS (84)					START: 12:582

88

ARRAY NAME AND NO. _____ MOORED STATION NO. _____

Item No.	Length (m)	Item	Depth	Inst No.	Time Over	Time Back	Notes
76							
77		SBE37	4230	10600	2300		with Pressure
78		SBE37	4230	10601	2300		with Pressure
79	5	1/2" Trawl Chain					
80		8242xs		32479	2330		
81		8242xs		31270	2330		
82	5	1/2" Trawl Chain					
83	20	1" Nystrom			2334		
84	5	1/2" Trawl Chain					
85		Anchor	4268				9300 lbs (air) / 9000 (wet)
86							
87							
88							
89							
90							
91							
92							
93							
94							
95							
96							
97							
98							
99							
100							