

Moored Station Log

(fill out log with black ball point pen only)

ARRAY NAME AND NO. Stratus 22 MOORED STATION NO. _____

Launch (anchor over)

Date (day-mon-yr) 06 Dec 2023 Time 0116 UTC

Deployed by Llanos / Graham Recorder/Observer J. Kozik

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

Depth Recorder Reading 4276 m Correction Source _____

Depth Correction _____ m Multibeam survey from past cruises

Corrected Water Depth 4276 m Magnetic Variation (E/W) _____

Anchor Drop Lat. (N/S) 22 28.350 Lon. (E/W) 85 39.392

Surveyed Pos. Lat. (N/S) 22 28.205 Lon. (E/W) 85 39.502

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

Acoustic Release Model Edgetech
8242 XS Tested to 1500 m

Release No. 1 (sn) 51917 Release No. 2 (sn) 51915

Interrogate Freq. 11 kHz Interrogate Freq. 11 kHz

Reply Freq. 12 Reply Freq. 12

Enable 340011 Enable 337703

Disable 340032 Disable 337720

Release 335364 Release 335322

Recovery (release fired)

Date (day-mon-yr) _____ Time _____ UTC

Latitude (N/S) _____ Longitude (E/W) _____

Recovered by _____ Recorder/Observer _____

Ship and Cruise No. _____ Actual duration _____ days

Distance from waterline to buoy deck 60 cm

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Surface Components			
Buoy Type <u>103</u> Color(s) Hull Tower <u>Blue / Yellow / White</u>			
Buoy Markings _____			
Surface Instrumentation			
Item	ID #	Height*	Comments
Logger	L01	v	Port side : v4.38-1 CF 256 nB
HRH	705	232	SD card.
BPR	211	244	SD card.
SWND	216	262	CF card.
PRC	213	253	SD card.
LWR	254	281	CF card
SWR	351	281	SD card.
SST	1836		
Ret Iridium	300234063269 760		
Logger	L08		Starboard side.
HRH	339	231	SD card.
BPR	216	244	CF card.
WND	343	263	SD card.
PRC	320	252	SD card.
LWR	212	281	CF card.
SWR	214	281	CF card.
Ret Iridium SST	2054		
Ret Iridium	300234063166 220		
Standalone:			
WXT	202	263	SD card.
SWR	221	281	CF card. Ripp & Zonen
HRH	365	232	SD card
HRH	12718304	233	Hygrochips C210EO
SB E 39AT	3800	229	

*Height above buoy deck in centimeters

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Subsurface Instrumentation on Buoy and Bridle			
Item	ID #	Depth†	Comments
SBE56	1207		Port 90° (90 cm)
SBE56	1208		FWD 180°
SBE56	1209		FWD 180°
SBE56	1211		FWD 180°
SBE56	2069		Starboard 225° (85 cm)
Xeos Kilo	619		300 234 061 853 510
Xeos Delta			300 034 013 709 960
Xeos Rover	111		300 434 060 447 400
Xeos Rover	1032		300 434 064 537 420
DCO2			
RAPCO2	208		
Antenna	208		
Gas Cylinder	JS17487		Concentration 444.41, 1950 PSI
Sami			
SBE16			

†Depth below buoy deck in centimeters

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Item No.	Length (m)	Item	Depth	Inst No.	Time Over	Time Back	Notes
1		buoy					
2	0.22	3/4 chain					
3		SBE37	2	1304 ✓	14:31		
4	0.37	3/4 chain					
5		SBE37	3.7	3821 ✓	14:31		
6	0.525	chain					shackle on each end
7		SBE39	5	39 ✓	14:31		
8	0.9	3/4 chain					
9		SBE37	7	3824 ✓	14:08		
10	4	3/4 chain					
11		SBE39	12.2	41 ✓	14:05		
12		Anderson ADCP	13	0235 ✓	14:04		Heads up
13	1.95	3/4 chain					
14		SBE37	16.4	1899 ✓	14:03		
15	2.1	3/4 chain					
16		SBE39	20	3480 3480 ✓	14:00		SN: 3480
17	4.05	3/4 chain					
18		SBE39	25	0539 ✓	13:58		
19	3.97	3/4 chain					
20		SBE37	30	1900 ✓	13:55		
21	1.125	3/4 chain					
22		Anderson ADCP	32.5	0238 ✓	13:54		Heads up
23	1.125	3/4 chain					
24		SBE39	35	0721 ✓	13:52		
25	3.97	3/4 chain					

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Item No.	Length (m)	Item	Depth	Inst No.	Time Over	Time Back	Notes
26		SBE37	40	1901 ✓	1349		
27	3.23	3/4 chain		✓			
28		VNCT	45	2064 ✓ TRD 13	1347		spike = 1345
29	15.3	7/16 wire					23053-6 TOP
30		SBE39	52	1502 ✓	1431		clamped
31		SBE37	62.5	1902 ✓	1424		load bar 230535 TO: 1441
32	21.2	7/16 wire					
33		SBE39	70	1509 ✓	1443		
34		SBE39	77.5	1511 ✓	1445		
35		RD1 ADCP	85	14144	1455		SN: 12254 ✓
36		SBE37	88	8004 ✓	1455		load bar
37	9.5	7/16 wire					
38		SBE39	92.5	3423 ✓	1455		clamped
39		VNCT	100	2053 ✓ TRD 10	1500		SPIKE: 1459
40	28	7/16 wire					
41		SBE39	115	1498 ✓	1504		clamped
42		SBE37	130	1903 ✓	1512		load bar 23053-3
43	3	3/4 chain					
44		VNCT	135	2004 ✓ TRD 13	1514		SPIKE 1513
45	23.5	7/16 wire					23053-3
46		SBE39	145	3435 ✓	1516		clamped
47		SBE37	160	1905 ✓	1520		
48	21.3	7/16 wire					23053-4
49		SBE39	175	45 ✓	1522		clamped
50		VNCT	183	2059 ✓ TRD 14	1527		SPIKE: 1526

5 23053-9 →

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Item No.	Length (m)	Item	Depth	Inst No.	Time Over	Time Back	Notes
51	4.8	7/16 ✓ wire					23053-9
52		SBE37	190	1907 ✓	1531		load bar
53	20.5	7/16 ✓ wire					23053-1
54		SBE37	220	8214 ✓	1537		load bar
55	13	7/16 ✓ wire					23053-7
56		VNCT7	235	2061 ✓ TR0273	1543		SPIKE = 15:41
57	53	7/8 ✓ wire					23053-18
58		SBE37	250	2011 ✓	1545		clamped
59		VNCT7	290	2062 ✓ TR0268	1554		SPIKE = 1552
60	160	3/8 ✓ wire					23053-24
61		SBE37	310	7836 ✓	1557		clamped
62		SBE39	400	3438 ✓	1607		clamped
63		VNCT7	450	2083 ✓ TR0234	1616		SPIKE: 16:13
64	340	3/8 ✓ wire					23053-13
65		SBE37	550	8223 ✓	1625		clamped
66	500	3/8 ✓ wire					23053-11
67	500	3/8 ✓ wire					23053-10 Winch broke @ 1730 - respoled on
68	100	3/8 ✓ wire	23053-17				other winch at 2m 500m + 10m wire + 100m + 200m nylon - restart at 214
69	100	3/8 ✓ wire	23053-15				one piece, wrapped termination
70	200	7/8 ✓ nylon					
71	1850	7/8 ✓ nylon					splied at sea
72	1300	1" Colman ✓					
73		Glass ✓ Balls (84)			0103		21 sets of 4
74		SBE37		10600 ✓	0103		one load cage
75		SBE37		10601 ✓	0103		

