Moored Station Log

(fill out log with black ball point only)

ARRAY NAME AND NO.: STRATUS 23 **MOORED STATION NO. :**

Launch (anchor over)	
Date (day-month-year): 15-MARCH-2025	Time (UTC): 21:08
Deployed by: LLANOS / GRAHAM / SMITH	Recorder/Observer: BIGORRE / JORQUERA
Ship and Cruise No.: CABO DE HORNOS (AGS61)	Intended Duration: 365 DAYS
Cruise Dates: 10-MARCH-2025 TO 23-MARCH-2025	Cruise Ports: VALPARAISO (CHILE)
Depth Recorder Reading (m): 4225	Correction Source: BATHYMETRY MAP FROM PREVIOUS SURVEYS AND LOCAL SOS
Depth correction (m): 0	
Corrected Water Depth (m): 4225	Magnetic Variation (DD.DD, E>0) : 6.87
Anchor Drop Lat (DD MM.MMM, N>0): -22 29.171	Lon (DD MM.MMM, E>0): -85 49.627
Surveyed Pos. Lat (DD MM.MMM, N>0): -22 29.117	Lon (DD MM.MMM, E>0): -85 49.720
Acoustic Release Model: EDGETECH	Tested to (m): 1500
Release No. 1 (SN): 33036	Release No. 2 (SN): 54688
Interrogate Freq.: 11 KHZ	Interrogate Freq. : 11 KHZ
Reply Freq.: 12 KHZ	Reply Freq.: 12 KHZ
Enable: 314022	Enable: 272474
Disable: 314047	Disable: 272505
Release: 332111	Release: 250551
Recovery (release fired)	
Date (day-month-year): 15-JUNE-2026	Time (UTC): 14:25
Latitude (DD MM.MMM, N>0): -22 30.828	Longitude (DD MM.MMM, E>0): -85 49.568
Recovered by: DREW COLE	Recorder/Observer: BIGORRE / SMITH
Ship and Cruise No.: CABO DE HORNOS (AGS61)	Actual Duration: 305
Cruise Dates: 9-JUNE-2026 to 24-JUNE-2026	Cruise Ports: VALPARAISO (CHILE)
Distance from waterline to buoy deck (cm): 60	
Notes: MOORING BROKE ON 14-JANUARY-2026 AT APPROX. 00:00 UTC. TOP PART OF MOORING DRIFTED FROM 14-JANUARY-2026 UNTIL 17-JUNE-2026; RECOVERY LOCATION 18 22.195 S, 90 13.501 W.	

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Surface Components

Buoy Type: MOB **Color(s) Hull Tower: BLUE / YELLOW / WHITE**

Buoy Markings: IF FOUND ADRIFT CONTACT WOODS HOLE OCEANOGRAPHIC, WOODS HOLE, MA 02543 USA, 508-548-1400

Surface Instrumentation

Item	ID #	Height *	Comments
LOGGER	04		PORT SIDE (AFT=BUOY VANE). SYS 1
HRH	211	234	SD CARD
BPR	501	243	SD CARD
WND	222	267	CF CARD
PRC	319	252	SD CARD
LWR	265	281	CF CARD
SWR	210	281	SD CARD
SST	1306	-150	SBE37
MET IRIDIUM			IMEI: 300234063341510
LOGGER	14		STARBOARD. SYS 2
HRH	221	234	SD CARD
BPR	506	243	SD CARD
WND	344	267	CF CARD. PROPS NOT SPINNING WELL AT RECOVERY.
PRC	235	252	SD CARD
LWR	261	281	CF CARD
SWR	207	281	SD CARD
SST	1839	-150	SBE37
MET IRIDIUM			IMEI: 300234063441050
STANDLONES			
WXT	201	267	SD CARD
SWR	352	281	CF CARD. EPPLEY.
HRH	263	234	SD CARD
ROTRONIC	12718303	234	
SBE39AT	477	234	

XEOS MELO			IMEI: 300034013701980
XEOS ROVER	725		IMEI: 300434063443730
XEOS ROVER	726		IMEI: 300434063448720

*** Height above buoy deck in centimeters**

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Subsurface Instrumentation on Buoy and Bridle			
Item	ID #	Depth **	Comments
SBE56	6239	95	PORT 90 DEGREES (CCW FROM BOW)
SBE56	6410	65	FORWARD 0 DEGREES (BOW)
SBE56	6412	85	FORWARD 0 DEGREES (BOW)
SBE56	6983	95	FORWARD 0 DEGREES (BOW)
SBE56	7211	95	STARBOARD 270 DEGREES (CCW FROM BOW)
XEOS KILO			IMEI: 300234062945460
PCO2			PMEL SYSTEM
ANTENNA	25		
GAS CYLINDER	JB03188		
SAMI	P0018		
SBE16	6885		
SBE63	3209		
ECOFLNTUS	2843		
MAPCO2	CGA-889		
BATTERY	101		
** Depth below buoy deck in centimeters			

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Item No.	Length (m)	Item	Depth (m)	Inst No.	Time Over	Time Back	Notes
1		buoy			13:51	14:04	
2	0.22	3/4" chain					
3		SBE37	2	1325	13:51	14:04	Load bar. Full Of Barnacles (FOB)
4	0.37	3/4" chain					
5		SBE37	3.7	1326	13:51	14:04	Load bar. FOB
6		SBE39	4.9	5275	13:51	14:04	Short Titanium bar(up). FOB
7	1.3	3/4" chain					
8		Aanderaa RCM11	7	78	13:16	14:53	Caged. Looking up. FOB
9	1.5	3/4" chain					
10		SBE37	10	1328	13:06	14:53	Load bar. FOB
11	1.73	3/4" chain					
12		Nortek ADCP	13	17784	13:04	14:58	Long load bar. Looking up. FOB
13	1.35	3/4" chain					
14		SBE37	16	1329	13:02	15:02	Load bar. Bent copper guard.
15	2.7	3/4" chain					
16		Aanderaa Seaguard	20	144	13:00	15:02	Yellow cage. With optode. FOB
17	3.66	3/4" chain					
18		SBE39	25	38	12:57	15:07	Short Titanium bar(up). FOB but sensor clean
19	3.9	3/4" chain					
20		SBE37	30	1330	12:54	15:11	Load bar.
21	1.12	3/4" chain					
22		Aanderaa Seaguard	32.5	182	12:52	15:12	Yellow load cage. Missing 1 clamp at deployment, replaced with hose clamps. Fine at recovery, not many barnacles
23	1.2	3/4" chain					
24		SBE39	35	3439	12:50	15:13	Short Titanium bar(up).
25	3.9	3/4" chain					

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Item No.	Length (m)	Item	Depth (m)	Inst No.	Time Over	Time Back	Notes
26		SBE37	40	8211	12:48	15:17	Load bar. A few barnacles
27	3.66	3/4" chain					
28		Aanderaa Seaguard	45	138	12:45	15:18	Cage. With optode. 2 hose clamps+1 normal clamp
29	16	7/16 wire					
30		SBE39	50	48	12:45	15:28	Clamped. One trawl guard broken
31		SBE39	55	49	12:50	15:32	Clamped. Mostly clean
32		SBE37	62.5	8212	13:57	15:34	Load bar. Bent copper guard. Clean
33	16	7/16 wire					
34		SBE39	70	102	14:00	15:41	Clamped (wire mnark missing)
35		SBE39	77.5	203	14:04	15:44	Clamped. 203 replaced 103.
36		RDI ADCP	80	1218	14:08	15:45	Heads up. No barnacles. Desitin still on
37	6	7/16 wire					
38		SBE37	85	1909	14:08	15:52	Clamped. With pressure. Copper guard bent inward
39		Aanderaa Seaguard	87.3	140	14:10	15:53	Cage. With optode. 2 hose clamps+1 normal clamp
40	18.2	7/16 wire					
41		SBE39	92.5	103	14:14	16:03	Clamped. 103 replaced 203
42		SBE39	100	276	14:15	16:06	Clamped
43		Wetlabs	100.5	2866	14:17	16:06	Clamped.14:17 turn on
44		Aanderaa Seaguard	107	961	14:20	16:08	With optode, C, T, P (LS)
45	21.5	7/16 wire					
46		SBE39	115	284	14:22	16:14	Clamped
47		SBE37	130	8215	14:24	16:17	Load bar
48	14	7/16 wire					
49		Aanderaa Seaguard	145	141	14:27	16:24	With optode
50	13.5	7/16 wire					

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51		SBE37	160	8216	14:34	16:30	Load bar.
52	21.7	7/16 wire					
53		SBE39	175	719	14:38	16:36	Clamped.
54		Aanderaa Seaguard	183	964	14:40	16:37	With optode, C, T, P (LS)
55	5.5	7/16 wire		25071-1			
56		SBE37	190	12258	14:43	16:42	Load bar.
57	29	7/16 wire		25071-7			
58		SBE37	220	12256	14:49	16:49	Load bar.
59	13.5	7/16 wire					
60		Aanderaa Seaguard	235	142	14:51	16:55	With optode
61	53.5	7/16 wire					
62		SBE39	280	720	14:55	17:03	Clamped.
63		Aanderaa Seaguard	290	143	14:58	17:05	With optode
64	58.5	3/8 wire					
65		SBE37	295	1906	15:00	17:15	Clamped.
66		Aanderaa Seaguard	350	969	15:04	17:19	With optode, C, T, P (LS)
67	48.5	3/8 wire					
68		VMCM	400	2019	15:09	17:32	Tpod 69. Spike at 15:09:30. Banded at 17:33
69	48.5	3/8 wire					
70		Aanderaa Seaguard	450	181	15:15	17:41	With optode
71	148.5	3/8 wire					
72		SBE37	550	10602	15:21	17:50	Clamped. With pressure. Used second wire mark
73		SBE37	600	11392	15:28	17:53	Load bar. Aanderaa on drawing.
74	100	3/8 wire					
75		SBE37	601	1908	15:28	17:53	Clamped

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Item No.	Length (m)	Item	Depth (m)	Inst No.	Time Over	Time Back	Notes
76		SBE37	698	8218	15:37	18:03	Clamped. Taped due to loose clamp
77		SBE37	700	11393	15:37	18:04	Load bar. Aanderaa on print
78	100	3/8 wire		24130-18			
79		VMCM	802	2062	15:42	18:11	Tpod 17. Spike at 15:42. Banded at 18:12.
80	48.5	3/8 wire		24130-20			
81		VMCM	853	2065	15:46	18:17	Tpod 09. Spike at 15:46:03. Broken blad. Banded at 18:19.
82	1151	3/8 wire		22105-15			
83		SBE37	857	8219	15:49	18:24	Clamped.
84		SBE37	1354	2012	16:04	18:33	Clamped.
85		SBE37	1557	8222	17:18	18:37	Clamped.
86		SBE37	2000	7218	17:40	18:44	Clamped.
87	100	3/8 wire		19272-24		18:47	Potted termination. Done 18:50.
88	200	7/8 Nylon					
89	1700	7/8 Nylon			18:03	16:20	Spliced at sea with below. End of bottom recovery on 15-June-2026 at 17:05.
90	1200	1" Colmega				15:50	
91		Glass balls (92)				14:12	Deployed 96. Broken 8
92		SBE37	4187	11379	20:47	14:12	Dualed on Ti bar with below
93		SBE37	4187	11394	20:47	14:12	
94	5	1/2" chain					
95	5	Acoustic release	4193	33636	20:50	14:20	Dualked with below
96		Acoustic release	4193	54688	20:50	14:20	
97	1	chain					
98	5	1/2" chain					
99	20	Samson Nystron					
100	5	1/2" chain					
101		Anchor			21:08		Dry weight 9,300 lbs.

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Date/Time	Comments
14-Jan-26	Mooring broke and drifted away from anchor site. Very slow drift (0.05 kn) to the south for about 2 weeks, then turned around towards nortwestw. Drift speed picked up to 0.12-0.15 kn later on.
15-Jun-26	Recovery of bottom part: releases to Nylon termination.
	Mooring failed at Nylon-to-Nylon termmination with eyes and thimbles.
16:49	Wuzzle in Nylon
16:58	
17:05	Eye with thimble recovered, thimble is gone, Nylon is shred. End of bottom recovery.

17-Jun-26	Recovery of top part of mooring, drifting.