

Moored Station Log

(fill out log with black ball point pen only)

ARRAY NAME AND NO. STRATUS16 MOORED STATION NO. _____

Launch (anchor over)

Date (day-mon-yr) 13 - 05 - 17 Time 19:40 UTC

Deployed by Ben Pietro Recorder/Observer S. Bigorre

Ship and Cruise No. Ron Brown RB-17-02 Intended Duration 365 days

Depth Recorder Reading 4523 m Correction Source Multibeam with

Depth Correction +11 m local speed of sound

Corrected Water Depth 4534 m Magnetic Variation (E/W) _____

Anchor Drop Lat. (N/S) 19° 25.894' Lon. (E/W) 85° 04.361'

Surveyed Pos. Lat. (N/S) 19° 25.8101' Lon. (E/W) 85° 04.4254'

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

Acoustic Release Model 8242XS Tested to 1,500 m

Release No. 1 (sn) 31270 Release No. 2 (sn) 35316

Interrogate Freq. 11 kHz Interrogate Freq. 11 kHz

Reply Freq. 12 kHz Reply Freq. 12 kHz

Enable 360042 Enable 111273

Disable 360061 Disable 111302

Release 344214 Release 127413

Recovery (release fired)

Date (day-mon-yr) Recovery broke 1/4/18 (January 4 2018)
Recovered, April 8 2018 Time April 13 2018 12:20 UTC
(top part)

Latitude (N/S) 18° 54.7' Longitude (E/W) 091° 04'

Recovered by Ben Pietro Recorder/Observer S. Bigorre

Ship and Cruise No. Cabo de Hornos Actual duration 236 (break) days

AGS 61
Distance from waterline to buoy deck 55 cm 330 (recovery)

ARRAY NAME AND NO. STRATUS 16 MOORED STATION NO. _____

Surface Components

Buoy Type MOB 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
ASIMET logger	L01		Port side
HRH	230	240	
BPR	221	245	
WND	344	271	
PRC	220	253	
LWR	231	285	
SWR	268	286	Kipp & Zonen
SST	1305	-142	
PTT	99538		14644, 14652, 14653
ASIMET logger	L02		Starboard side
HRH	231	240	
BPR	504	245	
WND	225	271	Unplugged 1615 - 4/8/18
PRC	275	253	
LWR	206	285	
SWR	254	286	
SST	3605	-142	
PTT	14709		09805, 09807, 09811
Standaloes			
WXT	8	245 top white ring	Unplugged @ 1616 on 4/8/18
Lascar	10023643	223	
SBE39AT	5275	223	
HRH	221	240	
SWR	207	286	

*Height above buoy deck in centimeters

ARRAY NAME AND NO. STRATUS 16 MOORED STATION NO. _____

Item No.	Length (m)	Item	Depth	Inst No.	Time Over	Time Back	Notes
1		Buoy			1346	1325	Halo 2 instruments damaged at recovery
2	0.22	3/4 chain					
3		SBE 37	2	1304	1346	1448	
4	0.37	3/4 chain					
5		SBE 37	3.7	3821	1346	1449	Cap on found damaged prior to recovery
6	0.53	chain					
7		SBE 39	5	39	1346	1449	
8	0.9	3/4 chain					
9		SBE 37	7	3824	1346 1346	1452	
10	4	3/4 chain					
11		SBE 39	12.2	41	1257	1452	
12		termination					
13		Aanderaa ADC17	13	235	1256	1454	
14	1.95	3/4 chain					
15		SBE 37	16.4	1899	1256	1510	
16	2.1	3/4 chain					
17		SBE 39	20	53	1252	1529	
18	4.05	3/4 chain					
19		SBE 39	25	101	1249	1532	
20	3.97	3/4 chain					
21		SBE 37	30	1900	1245	1536	long fishing lines
22	1.13	3/4 chain					
23		Aanderaa ADC17	32.5	238	1245	1545	
24	1.13	3/4 chain					
25		SBE 39	35	721	1241	1545	T probe bent inside guard

ARRAY NAME AND NO. STRATUS16 MOORED STATION NO. _____

Item No.	Length (m)	Item	Depth	Inst No.	Time Over	Time Back	Notes
26	3.97	3/4 chain					
27		SBE37	40	1901	1237	1554	fishing gear
28	3.23	3/4 chain					
29		VMCM	45	3	1231	1559	spin @ 1230 Heavy barnacles Revolving props not spinning + fishing gear
30	15.3	7/16" wire					
31		SBE39	52	1502	1400	1604	clamped. Copper guard broken on both ends
32		SBE37	62.5	1902	1405	1609	load bar
33	21.2	7/16" wire					
34		SBE39	70	1509	1406	1613	clamped
35		SBE39	77.5	1511	1407	1616	clamped
36		SBE37	85	8004	1417	1619	load bar
37		termination					
38		RDI ADCP	88	12254	1417	1619	
39	9.5	7/16" wire					
40		SBE39	92.5	3423	1419	1622	
41		VMCM	100	9		1624	spin @ 1419. A few small barnacles on rotors
42	28	7/16" wire					
43		SBE39	115	3434	1427	1629	clamped
44		SBE37	130	1903	1435	1630	
45	3	3/4 chain					
46		VMCM	135	10	1440	1631	spin @ 1431. Fishing lines in props (not turning)
47	23.5	7/16" wire					
48		SBE39	145	3435	1442	1640	clamped. Fuzz.
49		SBE37	160	1905	1446	1642	load bar. Heaving fish gear.
50	21.3	7/16" wire					

ARRAY NAME AND NO. STRATUS 16 MOORED STATION NO. _____

Item No.	Length (m)	Item	Depth	Inst No.	Time Over	Time Back	Notes
51		SBE39	175	3437	1450	1647	clamped, fishing gear (line)
52		VMCM	183	11	1500	1651	spin @ 1452 Lots of fishing line, Props not turning. Bottom anode gone
53	4.8	7/16 wire					
54		SBE37	190	1907	1504	1705	load bar clean
55	28.5	7/16 wire					
56		SBE37	220	8214	1511	1710	load bar clean
57	13	7/16 wire					
58		VMCM	235	38	1516	1713	spin @ 1510. Clean - Bottom anode gone.
59	53	3/8 wire					
60		SBE37	250	2011	1521	1719	clamped
61		VMCM	290	59	1524	1723	spin @ 15:20 Bottom anode gone
62	160	3/8 wire					
63		SBE37	310	7836	1529	1728	clamped
64		SBE39	400	3438	1534	1731	clamped
65		VMCM	450	61	1540	1734	spin @ 1534
66	340	3/8 wire					
67		SBE37	550	8223	1546	1741	clamped
68	500	3/8 wire			1555		wuzzkat 500-500m termination
69	500	3/8 wire			1616		
70	100	3/8 wire			1636		
71	100	3/8 wire			1642		} one piece, wrapped termination
72	200	7/8 nylon			1646		
73	1850	7/8 nylon			1702		} spliced at sea
74	1500	Colmega			1725		
75		glass balls (84)			1810		 4 glass balls broken on recovery

ARRAY NAME AND NO. STRATUS 16 MOORED STATION NO. _____

Item No.	Length (m)	Item	Depth	Inst No.	Time Over	Time Back	Notes
76		SBE37		10600	1925	13:59 4/12/18	} dualled load bar
77		SBE37		10601	1925	13:59 4/12/18	
78	5	1/2 chain					
79		acoustic releases			1925	14:00 4/12/18	
80	1	chain					
81	5	1/2 chain					
82	20	1" Samson Nystrom					marking on thimble says 25m
83	5	1/2 chain					
84		Anchor			1940		9,300 lbs dry. Multibeam @ drop site 4523 m
85							
86							
87							
88							
89							
90							
91							
92							
93							
94							
95							
96							
97							
98							
99							
100							