

APPENDIX B – MOORING LOGS

Moored Station Log

(fill out log with black ball point pen only)

PAGE 1

ARRAY NAME AND NO. Stratus 5 MOORED STATION NO. 1145

Launch (anchor over)

Date 14 December 2004 Time 18:25 UTC
day-mon-year

Latitude 19° 44.728' N or S Longitude 85° 31.159' E or W
deg-min deg-min

Position Source: GPS, LORAN, SAT. NAV., OTHER GPS

Deployed by: Lord, Weller Recorder/Observer: Keir Colbo

Ship and Cruise No Ron Brown 11-04 Intended duration: 365 days

Depth Recorder Reading 44.25 m Correction Source: Already
N/A Applied

Depth Correction N/A m Magnetic Variation: 7° 49' E or W

Corrected Water Depth N/A m

Anchor Position: Lat. 19° 44.741' N or S Long. 85° 31.360' E or W

Argos Platform ID No. see page 2 Additional Argos Info may be found on pages 2 and 3.

Acoustic Release Information

Release No. 503121 Tested to 1500 meters

Receiver No. 3 Release Command 33

Interrogate Freq. 11 kHz Reply Freq. 10 kHz

Recovery (release fired)

Date 12 ~~Decemb~~ ^{October} 2005 Time 10:44:58 UTC
day-mon-year

Latitude 19° 44.50' N or S Longitude 85° 31.02' E or W
deg-min deg-min

Position Source: GPS, LORAN, SAT. NAV., OTHER GPS

Recovered by: Lord Recorder/Observer: Hutto

Ship and Cruise No. R/V Brown, RB-05-05 Actual duration: 301 days

Distance from actual waterline to buoy deck 0.6 meters

Surface Components

Buoy Type _____ Color(s) Hull yellow Tower white
white
 Buoy Markings If Found adrift contact Woods Hole Oceanographic Woods Hole, MA
02543 USA 508-548-1401

Surface Instrumentation			
Item	ID	Height *	Comments
Data Logger	L-04		System #1
Rel. Humidity	216	244	v3.2
Wind	221	270.5	v3.3 (Heise) v3.5/v1.5
Precip.	206	239	v3.5/v1.5 v3.4/v1.7
Longwave	218	282.5	v3.5/v1.6
Shortwave	219	282.5	v3.3/v1.6
Baro. Pressure	216	247	v3.3 (Heise)
ARGOS PTT	ID 27916		Wildcat # 12789
	ID 27917		
	ID 27918		
Data Logger	L-05		System #2
Rel. Humidity	232	246	v3.2
Wind	225	271	v3.5/v1.5
Precip.	205	239	v3.4/v1.7
Longwave	502	283	v3.5/v1.6
Shortwave	209	282.5	v3.3/v1.6
Baro. Pressure	217	247	v3.3 (Heise)
ARGOS PTT	ID 27919		Wildcat # 18171
	ID 27920		
	ID 27921		
BPR			ASIMET/stand alone not deployed
ARGOS SIS	ID 24576		S/N # 104

* Height above buoy deck in centimeters

Sub-Surface Instrumentation on Buoy and Bridle			
Item	ID	Depth†	Comments
SBE-37	1841	151	attached to system #1
SBE-37	1305	151	attached to system #2
SBE39	0718	0	Floating SST
			Estimated height of deck above waterline = 0.70m
† Depth below buoy deck in centimeters			

Sub-Surface Components

	Type	Size(s)	Manufacturer		
Chain					
Wire Rope					
Synthetics					
Hardware					
Flotation	Type (G.B.s, Spheres, etc)	Size	Quantity	Color	
No. of Flotation Clusters		90 balls			
Anchor Dry Weight		9300 lbs			

MOORED STATION NUMBER 1145

Depth
From
Diagram (m)

Item No.	Lgth [m]	Item	Inst No.	Time Over	Notes	Data No.	Calc Dpth	Time Back	Notes
	1	0.22	3/4" chain						
2	2		SBE-16	1873				17:43	
	3	0.37m	3/4" chain						
3.7	4		SBE-16	1875	11:36			17:53	
	5	1.95m	3/4" chain						
7	6		SBE-16	1880	11:33			17:56	
	7	1.25	3/4" chain						
10	8		VMCM	037	11:33	bands off 11:27		17:56	17:59 bands on
	9	0.83	3/4" chain						
13	10		Aanderaa	013	11:30			18:01	
	11	1.73	3/4" chain						
16	12		SBE-16	1881	11:30			18:02	fishing line
	13	2.25	3/4" chain						Bands on 1932
20	14		VMCM	032	11:28	bands off 11:24:30		18:04	fishing line not spinning
	15	2.78	3/4" chain						
25	16		T-POD	3258	11:25			18:06	
	17	3.66	3/4" chain						
30	18		SBE-16	2323	11:24			18:09	
	19	1.20	3/4" chain						
32.5	20		Aanderaa	78	11:22			18:10	

Date/Time (UTC)	Comments
14 December 04/11:06	start operations 19° 42.65' S 85° 37.57' W
14 December 04/11:50	Buoy in water
Oct. 13, 2005	Buoy on deck @ 17:44

Depth From Diagram (m)

MOORED STATION NUMBER

1145

Item No.	Lgth [m]	Item	Inst No.	Time Over	Notes	Data No.	Calc Dpth	Time Back	Notes
21	1.20	3/4" chain							
35 22		T-POD	3283	11:22				18:13	
23	1.05	3/4" chain							
37.5 24		xr 420	10514	11:20				18:14	
25	1.05	3/4" chain							
40 26		SBE37	1325	11:20				18:14	
27	3.15	3/4" chain							
45 28		VMCM	038	11:11	bands off and spin (11.14)			16:49	tangled fish line & hooks - stopped! 17:51 bands on
29	8.0	7/16" wire							
55 30		Anderaq	079	12:04				16:44	still fish line
31	6.2	7/16" wire							
62.5 32		SBE37	1326	12:08				16:40	still fishing line
33	6.2	7/16" wire							
70 34		T-POD	3704	12:12				16:36	fish hooks
35	6.2	7/16" wire							
77.5 36		T-POD	3762	12:24				16:32	
37	6.2	7/16" wire							
85 38		SBE37	1328	12:27				16:29	
39	6.2	7/16" wire							
92.6 40		T-POD	3830	12:31				16:26	
Date/Time		Comments							
14 Dec 04 / 17:19		Switched to hanging block on A-Frame							
12 Oct 05 / 16:53		Slipped top 40m and buoy free							

MOORED STATION NUMBER

1145

Depth
From
Diagram (m)

	Item No.	Lgth [m]	Item	Inst No.	Time Over	Notes	Data No.	Calc Dpth	Time Back	Notes
	41	2.32	3/4" chain							
96.3	42		SBE 37	1909	12:34				16:24	
	43	2.32	3/4" chain							
100	44		TPOD	3831	12:37				16:21	
	45	13.5	7/16" wire							
115	46		TPOD	3836	12:42				16:18	
	47	13.5	7/16" wire							
130	48		SBE 37	1329	12:45				16:14	trawl guard loose
	49	3.75	3/4" chain							
135	50		RDI	1218	12:50				16:10	
	51	8.0	7/16" wire							
145	52		VMCM	042	12:56	bands off 12:51			16:06	16:07 handson
	53	13.0	7/16" wire							
160	54		SBE 37	1330	12:59				16:03	
	55	13.5	7/16" wire							
175	56		T-POD	3837	13:02				15:58	
	57	6.2	7/16" wire							
183	58		Sontek	208	13:05				15:55	1st Goosehead
	59	6.2	7/16" wire							
190	60		SBE 37	1906	13:10				15:52	
		Date/Time		Comments						

MOORED STATION NUMBER 1145

Depth from Diagram (m)

Item No.	Lgth [m]	Item	Inst No.	Time Over	Notes	Data No.	Calc Dpth	Time Back	Notes
	28.5	7/16" wire							
2 20		SBE37	1908	13:15				15:48	
	13.0	7/16" wire							
2 35		VMCM	058	13:21	bands off 10:16:30 13:16:30			15:43	15:46 bands on
	13.0	7/16" wire							
2 50		SBE37	2012	13:27				15:39	
	38.0	3/8" wire							
2 90		VMCM	075	13:33	bands off 13:28:30			15:35	15:44 bands on
	18.0	3/8" wire							
3 10		SBE37	2015	13:38				15:31	
	38.0	3/8" wire							
3 50		VMCM	010	13:44	bands off 13:29:30			15:24	15:45 bands on
	500	3/8" wire						15:09*	
4 00		SBE39	0048	13:46	clamped on			15:22	
4 50		SBE39	0049	13:48	clamped on			15:20	
	500	3/8" wire		13:58				14:54	
	500	3/8" wire		14:17				14:37	
	100	3/8" wire		14:34] one piece wrapped			14:32	
	200	7/8" nylon		14:40				14:23	
	150	7/8" nylon		14:56				14:10	
Date/Time		Comments							
12 Oct 05		VMCM 010 1 blade on top rotor broken							

MOORED STATION NUMBER

1145

Item No.	Lgth [m]	Item	Inst No.	Time Over	Notes	Data No.	Calc Dpth	Time Back	Notes
81	1500	7/8" nylon		15:08				13:35	
82	100	1" nylon						13:32	
83	1500	1 1/2" poly		15:55	yale grip 5m From bottom			12:48	
84	90 ⁺²	glass balls		16:50	added 2 From diagram			12:34	
85	5	1/2" chain		17:28					
86		release	503121	18:05	pulled pin			12:38	
87	5	1/2" chain		18:13					
88	20	nystrom		18:15					
89	5	1/2" chain		18:22					
90		anchor		18:25					
91									
92									
93	5	chain			(added 5m of chain between poly and balls)				
94									
95									
96									
97									
98									
99									
100									

Date/Time	Comments
14 Dec 04/ 15:07	stop to transition from winch to H-bit
14 Dec 04/ 16:05	splice in poly
14 Dec 04/ 16:07	another splice in poly
14 Dec 04/ 16:20	" " "
14 Dec 04/ 16:35	poly on winch, off H-bit
14 Dec 04/ 17:30	towing for position

1111