

# Moored Station Log

(fill out log with black ball point pen only)

ARRAY NAME AND NO. Stratus 9 MOORED STATION NO. 1206

## Launch (anchor over)

Date (day-mon-yr) 25-10-2008 Time 18:46 UTC  
Latitude (N/S) deg-min) 19° 42.762 Longitude (E/W) deg-min) 85 35.120  
Deployed by Lord Recorder/Observer Galbraith  
Ship and Cruise No. Ron Brown 08-06 Intended Duration 12h  
Depth Recorder Reading 4524 m Correction Source Matthews Tackle  
Depth Correction +5m m  
Corrected Water Depth 4529 m Magnetic Variation (E/W) 7.4  
Argos Platform ID No. \_\_\_\_\_ Additional Argos Info on pages 2 and 3

## Surveyed Anchor Position

Lat (N/S) 19 42.6446 S Long. (E/W) 85 35.2971 W

Acoustic Release Model 8242XS BACS (REV D MARCH '04)

Release No. 32483 32480 Tested to 1500 m  
Receiver No. \_\_\_\_\_ Release Command 132174 132111  
Enable 114703 114556 Disable 114720 114575  
Interrogate Freq. 11 11 Reply Freq. 12 12

## Recovery (release fired) 32480

Date (day-mon-yr) 20-01-2010 Time 11:30:30 UTC  
Latitude (N/S) deg-min) 19 42.635 Longitude (E/W) deg-min) 85 35.307  
Recovered by LORD Recorder/Observer GALBRAITH  
Ship and Cruise No. RH Brown 01-10 Actual duration 451 days  
Distance from actual waterline to buoy deck 63 cm m

## Surface Components

Buoy Type Sorlyn foam 2.7m Color(s) Hull yellow (WHITE BELOW) Tower WHITE  
 Buoy Markings IP FOUNDAD RFT CONTRACT / WOODS HOLE OCEANOGRAPHIC / WOODS HOLE WMA 02543 USA  
508 457 1401 30-60-70-80

## Surface Instrumentation

Item	ID #	Height*	Comments
<del>ASIMET</del> SW 4	4		
HRH	501	226	
BPR	218	236	
WND	2	266	SONIC, WITH INTERVAL ATMP
PRC	216	245	bird wires flattened
LWR	503	277	
SWR	502	278	
SST	2053	-148	SBE 37
PTT	12798(SN)		IDS 27916 27917 27918. SEIMAC WIND CAT
<del>ASIMET</del>	15		
HRH	213	226	
BPR	207	236	
WND	344	266	
PRC	501	245	bird wires flat; bird guano
LWR	219	277	
SWR	212	278	
SST	1838	-148	SBE 37
PTT	18171(SN)		IDS 27919 27920 27921 SEIMAC WIND CAT
WAMDAS			NDBC WAVE PACKAGE 32012
Mini Met	4	224	ATMP + HRH
waterline	63 cm	from the	deck
			Some guano on radiometer mount; light guano on SWR
*Height above buoy deck in centimeters			

multi-plate shield on one HRH - a few plates broken at edge



## Subsurface Instrumentation on Buoy and Bridle

Item	ID #	Depth <sup>†</sup>	Comments
		cm	
SBE 39	0718	FLOATING	180° FROM VANE
TR1060	14875	.84	" BEHND FSST FRAME
"	14878	.95	
"	14879	1.04	
TR1060	14880	.83	~240° FROM VANE, CLOCKWISE
"	14883	.93	"
TR1060	14874	1.25	ON FSST FRAME
Argos SIS	24576 ID		
PCO <sub>2</sub>	17		PMEL SYSTEM
<p>General notes: mooring parted at or close to recovery. Load bar, bottom end, 8.4m dual Nortek parted. Mooring fell to sea floor. Balls recovered and saw large tension on polypropylene. Recovered synthetic by capstan. Shift wire to mooring winch. Large wire wazzler. Repeated grabs with Yale grips and wire clamps. Recovered up to failed part on 1/20/10. On 1/21/10 recovered buoy and instruments below. Shallow water pressure cases that fell to sea floor broken/imploded. Mud in conductivity cells and on instruments shows they fell to sea floor. P. Weller 1/24/10</p>			
<sup>†</sup> Depth below buoy deck in centimeters			





Item No.	Length (m)	Item	Inst No.	Time Over	Notes	Data No.	Depth (m)	Time Back	Notes
23	1.5	3/4" CHAIN							
24		TWIN ADCM	3132 3184	1221	HEADS UP w/VANE		27.5	2340	CROSHED-IN WHEELS 2010-01-20 23:40
25	.75	3/4" CHAIN							
26		MCAAT	1329	1217			30		
27	1.20	3/4" CHAIN							
28		ADCM	78	1215	AANDERAA HEADS UP		32.5		
29	1.20	3/4" CHAIN							
30		SBE 39	284	1215	UP		35		
31	1.35	3/4" CHAIN							
32		MCAAT	1330	1214	UP		37.5		
33	1.20	3/4" CHAIN							
34		MCAAT	1906	1214			40		
35	3.30	3/4" CHAIN							
36		VMCM	*9	12:10			45		
37	.68	3/4" CHAIN							
38		ADV/ <del>FOUN</del> ADCM	4630 3128	1332	AANDERAA ADV + NORTEK + DCN NORTEK, WITH VANE		47.5		
39	.75	3/4" CHAIN							
40		ADCM	106	1332	AANDERAA SCABARD		50		
41	2.63	3/4" CHAIN							
42		VMCM	*21	1336	1334 HANDS OFF		55		
43	5.25	7/16" WIRE			7/16"				
44		MCAAT	1908	1338			62		
45	3.53	3/4" CHAIN							

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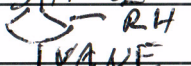
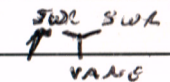
Item No.	Length (m)	Item	Inst No.	Time Over	Notes	Data No.	Depth (m)	Time Back	Notes
46		TWIN ADCM	3185 3133	1346	NORTEX - HEADS UP		66.7		
47	16.25	7/16 WIRE							
48	↓	SBE 39	476	1346			70		
49	↓	SBE 39	26276	1347			77.5		
50		MCAI	1909	1350			85		
51	1.2	3/4" CHAIN							
52	↓	TWIN ADCM	3183 3223	1353	NORTEX - HEADS UP		87.4		
53	1.2	7/16" WIRE							
54	↓	SBE 39	719	1355			92		
55		MCAI	2012	1357			96.3		
56	10	7/16" WIRE							
57	↓	SBE 39	720	1400			100		
58		TWIN ADCM	3135 3181	1404	NORTEX HEADS UP		107.5		
59	21	7/16" WIRE							
60	↓	SBE 39	1498	1405			115		
61		MCAI	2015	1408			130		
62	3.66	3/4" CHAIN ADCP	1218	1413	RDI WORKHORSE		135		
63	7.5	7/16" WIRE							
64		VMCM	4 X	1417	BANDS OFF 1414		145		
65	13	7/16" WIRE							
66		SEACAT	146	1421	SBE 16		160		
67	21 1	7/16" WIRE							



Item No.	Length (m)	Item	Inst No.	Time Over	Notes	Data No.	Depth (m)	Time Back	Notes
68	↓	SBE 39	1499	1423			175		
69		VMCM	12	1425	BANDS OFF 1423		183		
70	5	7/16" WIRE							
71		SEACAT	991	1432			190		
72		ADCM	197	1432	SOUTEK-HEADS DOWN		192		
73	27	7/16" WIRE		1435			2		
74		SEACAT	1873	<del>1438</del>			220		2340 LARGE BUNCH OF
75	13	7/16" WIRE							INSTRUMENTS IN USE 2200
76		VMCM	16	1438	heads 1444		235		COMING UP
77	13	7/16" WIRE							BOTH UPPER PROPS MISSING
78		SEACAT	1875	1442			250		
79	38	3/8" WIRE							
80		VMCM	19	1446	BANDS OFF 1442		290		
81	18	3/8" WIRE							
82		SEACAT	1881	1449			310		
83	8.5	3/8" WIRE							
84		VMCM	42	1452	BANDS OFF 1449		320		
85	27.5	3/8" WIRE							
86		VMCM	X 8	1450	BANDS OFF 1452		350		1 of LOWER PROPS MISSING
87	500	3/8" WIRE							
88	↓	SBE 39	1500	1458			400		
89	↓	SBE 39	1501	1502			450		
90		VMCM	75	1516	BANDS OFF 1515		852	1328	PROPS SPIDING IN FREELY

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Item No.	Length (m)	Item	Inst No.	Time Over	Notes	Data No.	Depth (m)	Time Back	Notes
91	500 2:50	3/8" WIRE 3/8" WIRE						2104 -	
92	VMM	VMCM	83	1544	BAND OFF 1542		1605	2059	1 PROP MISSING (COPPER)
93	250	3/8" WIRE						2058 -	WOZZLE
94	100 200	3/8" WIRE 7/8" NYLON		1557 - 1559 -	ONE PIECE, WRAPPED FORM - INATION			2049 - 2029 - 2045	WOZZLE 47
95	1650 100 1500	1/8" NYLON 1" NYLON 1/8" POLY		1652 - 1653 -	ONE PIECE			1457 - 1814	NYLON 1740 -
96		GLASS BALLS		1814	96 17" BALLS ON 1/2" TRAWLER CHAIN			1328 - 1720	
97	5 5	1/2" CHAIN RELEASES 1/2" CHAIN		1729	DUAL EGG MODEL 8242 JOINED BY 1m CHAIN			1331	
98	20	1" SAMSON NYLON		1732 -					
99	5	1/2" CHAIN ANCHOR		1846	WET WEIGHT 8000 LBS		4413		

Date/Time	Comments
2010-01-20 1320	BALLS HOOKED; LINE BELOW HANGING STRAIGHT DOWN (BUT KNOTTED IN WOZZLE)
	SEVERAL LITHIUM BATTERIES EXPLODED ON RECOVERY
0100	LAST VM ABOVE LOWER PROP GONE SW 8? 350M
2010-01-21	RH SHIELD COUNTERCLOCKWISE FROM VANE SOME LAYERS SWAPPED
	
	GUANO ON CASE OF + GLASS OF LEFT SWR
	BIRD DIRECU LEFT HAND PRC BENT
	
2010-01-20	INSTRUMENTS FROM RELEASES TO 10M AND GRAA ADCM RECOVERED AT ONCE
2010-01-21	INSTRUMENTS FROM 8M TWIN NORTEK ADCMS RECOVERED WITH BUOY