

Moored Station Log

(fill out log with black ball point pen only)

ARRAY NAME AND NO. NTAS-20 MOORED STATION NO. _____

Launch (anchor over)

Date (day-mon-yr) 12-Nov-2021 Time 18:57 UTC

Deployed by Cole/Graham Recorder/Observer Bigorre

Ship and Cruise No. Pisces PC-21-07 Intended Duration 365 days

Depth Recorder Reading 5044 m Correction Source local speed of

Depth Correction W/A m sound fed into Ek 60

Corrected Water Depth 5044 m Magnetic Variation (E/W) _____

Anchor Drop Lat. (N/S) 14°44.958' Lon. (E/W) 050°56.170'

Surveyed Pos. Lat. (N/S) 14°44.897' Lon. (E/W) 050°56.332'

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

Acoustic Release Model Edgetech Tested to 2000 m

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

Interrogate Freq. 11 kHz Interrogate Freq. 11 kHz

Reply Freq. 12 kHz Reply Freq. 12 kHz

Enable 340011 Enable 337703

Disable 340032 Disable 337720

Release 335364 Release 335322

Recovery (release fired)

Date (day-mon-yr) 15-10-22 Time 15:17 UTC

Latitude (N/S) 14°44.3' Longitude (E/W) 50°56.37'

Recovered by Cole/Graham Recorder/Observer Bigorre

Ship and Cruise No. Ron Brown RB1204 Actual duration 338 days

Distance from waterline to buoy deck 65 cm

ARRAY NAME AND NO. NTAS 20 MOORED STATION NO. _____

Surface Components			
Buoy Type <u>NOB</u> Color(s) Hull Tower <u>blue hull, yellow deck</u>			
Buoy Markings _____			
Surface Instrumentation			
Item	ID #	Height*	Comments
ASINET LGR	L16		Port side
HRH	256	232	
BPR	205	239	
WND	225	267	does not spin well at low speed.
PRC	319	253	
LWR	207	283	
SWR	207	283	
SST	1419	-150	
Iridium			INEI 3002 3406 3167 170
ASINET LGR	L12		Starboard side
HRH	365	230	
BPR	506	237	
WND	238	267	
PRC	230	253	
LWR	243	283	
SWR	254	283	
SST	1835	-150	
Iridium			INEI 3002 3406 3346 490
Standalones			
WXT	209	267	
Lascar	N20	193	
SBE39-AT	5276	228	
*Height above buoy deck in centimeters			

ARRAY NAME AND NO. NTAS 20 MOORED STATION NO. _____

Subsurface Instrumentation on Buoy and Bridle			
Item	ID #	Depth†	Comments
SBE56	6979	90	135° clockwise looking at buoy vane
SBE56	6980	80	180°
SBE56	6982	90	180°
SBE56	6983	90	225°
WATDAS			INEL 3001 2400 0115 920; NDBC 24361 SIN 8988 1693 1200 205 0000
BR120	116	228	
Xeos KILD	0882		3002 3406 2644 350
Xeos NELD			3000 3401 2615 100
Xeos Rover	1033		3004 3406 4530 420
Xeos Rover	590		3004 3406 1508 050
Subsurface Bridle			INEL 3002 2401 0043 720
Above SPIC			
Campbell			
HRH		233	
BPR		218	
SWR		283	
LWR		283	
PRC		253	
Geoforce	2-3203 588		
Net Ocean			INEL 3004 3406 5342 370
†Depth below buoy deck in centimeters			

ARRAY NAME AND NO. NTAS 20 MOORED STATION NO. _____

Item No.	Length (m)	Item	Depth	Inst No.	Time Over	Time Back	Notes
1		buoy			1234	1300	Buoy tower hit ship's rail during recovery
2	5	EN chain			1220		
3		SBE39	5	8743	1220	1305	
4		Nortek ADCP	5.7	9407	1220	1305	Hardware ID 9407; Head ID 4758 Barnacles on one ADCP
5	79	7/16" wire	21054-2				One fishing line entangled on bell mouth
6		SBE37	10	669	1220	1332	in Fuzz & a few barnacles
7		Nortek ADCP	13	5973	1220	1348	in Lot of fuzz. A few barnacles Broken fin
8		SBE39	15	7697	1220	1421	
9		SBE39	20	7695	1220	1424	
10		Nortek ADCP	24 ⁵⁴	12391	1220	1433	looking up. forgot to deploy → brought back line, clamped @ 54 m
11		SBE37	25	683	1220	1427	in → possibly below SBE37 @ 55 m
12		SBE39	30	8744	1220	1428	
13		SBE39	35	8745	1220	1429	
14		SBE37	40	684	1220	1430	in
15		SBE39	45	8746	1220	1431	
16		SBE39	50	8747	1235	1432	
17		SBE37	55	685	1340 1245	1433	in
18		SBE39	60	8748	1340 1240	1436	
19		SBE39	65	8749	1347 1244	1437	
20		SBE37	70	686	1347 1246	1437	in Bent guard
21		SBE39	75	8750	1348 1248	1438	
22		SBE39	80	8751	1257 1355	1439	
23		RDI ADCP	85	23281	1358 1259	1440	uplooking
24	500	3/8" wire	21054-4				
25		SBE39	90	8752	1400 1305	1447	

ARRAY NAME AND NO. _____ MOORED STATION NO. _____

Item No.	Length (m)	Item	Depth	Inst No.	Time Over	Time Back	Notes
26		SBE39	100	8753	1403 1308	1448	
27		SBE39	110	8754	1404	1450	no more fuz
28		Star-oddi	110	5282	1404	1450	
29		Star-oddi	120	5283	1406	1451	
30		Staroddi	130	5284	1407	1453	
31		Staroddi	140	5285	1408	1453	
32		Staroddi	150	5286	1409	1453	
33		Staroddi	160	5287	1410	1454	
34	500	3/8" wire	21054-5	21054-5	start 1419		ship speed increases to 1 kt
35	500	3/8" wire		21054-8	1432		ship speed \nearrow 1.25 kt
36	200	3/8" wire		21054-9	1445	1550	
37	100	3/8" wire		21054-7	1452		encapsulated termination
38	200	7/8 Nylon			1455 encap-term		
39	500	7/8 nylon					
40	2000	3/4 nylon					
41	100	7/8 nylon					
42	1500	1" Co/mega			1545 end 1620	1714	stout
43		Glass (56) balls			1700 1735 end	1843	56 GBS. 8 broken GBS
44		SBE37	5006	11392	1844 in water	1910	
45		SBE37	5006	11393	1844	1910	
46	5	1/2" chain					
47		release		51917	1844		
48		release		51915	1844		
49	5	1/2" chain					
50	20	1" Samson					

ARRAY NAME AND NO. _____ MOORED STATION NO. _____

Item No.	Length (m)	Item	Depth	Inst No.	Time Over	Time Back	Notes
51	5	1/2" chain					
52		anchor			1857		6000 lbs wet, 7000 lbs air
53							
54		<u>Additions:</u>					
55							
* 56		RBR SoloD	6	78198			
** 57		RBR SoloD	83	78197			
58							
59							
60							
61							
62							
63							
64							
65							
66							
67							
68							
69							
70							
71							
72							
73							
74							
75							