# Moored Station Log

(fill out log with black ball point pen only)

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

## Launch (anchor over)

Date (day-mon-yr) 30 January 2017 Time 2031 UTC

Deployed by B. Pietro Recorder/Observer S. Bigorre

Ship and Cruise No. Endeavor EN590 Intended Duration 365 days

Depth Recorder Reading 5002 m Correction Source Matthews Table

Depth Correction +38 m

Corrected Water Depth 5040 m Magnetic Variation (E/W) _____

Anchor Drop Lat. (N/S) 14 45.256 Lon. (E/W) 50 56.946

Surveyed Pos. Lat. (N/S) 14° 45.211' Lon. (E/W) 50° 57.052

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

Acoustic Release Model Edgetech 8011 M Tested to 2,000 m

Release No. 1 (sn) 33415 Release No. 2 (sn) 31272

Interrogate Freq. 11 kHz Interrogate Freq. 11 kHz

Reply Freq. 12 kHz Reply Freq. 12 kHz

Enable 361374 Enable 360422

Disable 361413 Disable 360447

Release 346532 Release 344237

## Recovery (release fired)

Date (day-mon-yr) 12 - 6 - 18 Time 1227 UTC

Latitude (N/S) 14° 45.749 Longitude (E/W) 050° 57.402

Recovered by B. Pietro Recorder/Observer S. Bigorre

Ship and Cruise No. Pisces PC1803 Actual duration 498 days

Distance from waterline to buoy deck 75 cm (as observed on 2/1/2017 12:30 UTC)

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

## Surface Components

Buoy Type MOB Color(s) Hull Tower blue hull, yellow deck, white tower

Buoy Markings WHOI 508-457-1401 USA

## Surface Instrumentation

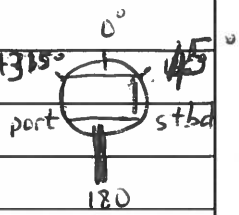
| Item | ID # | Height* | Comments |
|---|---|---|---|
| ASIMET logger | L16 | | Port side |
| HRH | 226 | 233 | All shields covered with dust. See comments at the end. |
| BPR | 505 | 240 | HRH port side: bracket damaged at recovery. |
| WND | 205 | 265 | |
| PRC | 218 | 247 | |
| LWR | 212 | 282.5 | |
| SWR | 201 | 282.5 | |
| SST | ~~1836~~ 2054 | 150 | * SST copper guard bent SSTS wires crossed |
| PTT | 18128 | | |
| | | | |
| ASIMET logger | L12 | | Starboard side |
| HRH | 215 | 230 | |
| BPR | 503 | 243 | |
| WND | 207 | 265 | |
| PRC | 210 | 246 | 3/4 birdwire missing at recovery |
| LWR | 254 | 282.5 | |
| SWR | 209 | 282.5 | |
| SST | ~~2054~~ 1836 | 150 | * See above. Front plug separated from cold tube |
| PTT | 18112 | | |
| | | | |
| SBE39 AT | 5272 | 226 | |
| VWX | 001 | 231.5 deck rtng | Wind sensor: 250 cm above deck ATMP, HRH, BPR, 239 cm AD |
| Lascar | 10032233 | 223 | |
| Xeos Nelo | 300034012615100 | | |
| WANDAS | 4003 | | |

*Height above buoy deck in centimeters

ARRAY NAME AND NO. NTAS16 MOORED STATION NO. _____

## Subsurface Instrumentation on Buoy and Bridle

| Item | ID # | Depth† | Comments |
|---|---|---|---|
| SST SBE56 | 6979 | 95 | port side (−135°) 95 cm below deck |
| SST SBE56 | 6980 | 85 | forward upper (0°) 85 cm below deck |
| SST SBE56 | 6981 | 95 | forward lower (0°) 95 cm below deck |
| SST SBE56 | 6982 | 95 | starboard (135°) 95 cm below deck |
| | | | |
| WAMDAS | 4003 | | NDBC # 24361 |
| | | | IMEI 300124000115920 |
| | | | SIM 89881 69312 00205 1336 |
| | | | 3DM-GX1 # 8712 |
| | | | IR 24537 |
| | | | |
| | | | |
| SIM IR | | | Subsurface Iridium |
| | | | 3002 2401 0043 720 |
| | | | |
| Xeos Kilo | 300234062946460 | | Subsurface beacon |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |




†Depth below buoy deck in centimeters

**ARRAY NAME AND NO.** NTAS16 **MOORED STATION NO.**_____

| Item No. | Length (m) | Item | Depth | Inst No. | Time Over | Time Back | Notes |
|---|---|---|---|---|---|---|---|
| 1 | | buoy | | | 1414 | 1850 | very little barnacles |
| 2 | 5 | EM chain | | | | | |
| 3 | | SBE39 | 5 | 7696 | | 1850 | |
| 4 | | Nortek ADCM | 5.7 | 9407 | | 1857 | |
| 5 | 79 | 7/16 wire | | | | | |
| 6 | | SBE37 IM | 10 | 669 | | 1859 | low-medium barnacles/brown growth on top poison plug |
| 7 | | Nortek ADCM IM | 13 | 5973 | | 1902 | with vane; heads up |
| 8 | | SBE39 | 15 | 7697 | | 1902 | |
| 9 | | SBE39 | 20 | 7695 | | 1902 | |
| 10 | | Nortek ADCP | 24 | 12391 | | 1902 | |
| 11 | | SBE37 IM | 25 | 683 | | 1902 | End cap replaced with spare Low-~~medium~~ barnacles/brown growth on top poison plug |
| 12 | | SBE39 | 30 | 684 | | 1902 | |
| 13 | | SBE39 | 35 | 678 | | 1902 | |
| 14 | | SBE37 IM | 40 | 684 | | 1735 | Brown dense growth fuzz No poison plugs. Lot of growth on E cell. No barnacles |
| 15 | | SBE39 | 45 | 546 | | 1734 | Fuzz |
| 16 | | SBE39 | 50 | 545 | ~~1415~~ ~~1415~~ 1414 | 1733 | fuzz |
| 17 | | SBE37 IM | 55 | 685 | 1415 | 1732 | Fuzz. Bent copper guard |
| 18 | | SBE39 | 60 | 677 | 1417 | 1732 | fuzz |
| 19 | | SBE39 | 65 | 3480 | 1419 | 1731 | Fuzz |
| 20 | | SBE37 IM | 70 | 686 | 1424 | 1730 | Fuzz, Bent copper guard |
| 21 | | SBE39 | 75 | 750 | 1425 | 1727 | First barnacle, on clamp |
| 22 | | SBE39 | 80 | 631 | 1425 | 1726 | Fuzzy growth |
| 23 | | RDI ADCP | 85 | 14193 | 1431 | 1723 | Fuzz |
| 24 | 500 | 3/8 wire | | | | | |
| 25 | | SBE39 | 90 | 539 | 1431 | 1722 | fuzz |

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

| Item No. | Length (m) | Item | Depth | Inst No. | Time Over | Time Back | Notes |
|---|---|---|---|---|---|---|---|
| 26 | | SBE39 | 100 | 680 | 1432 | 1720 | Fuzz |
| 27 | | SBE39 | 110 | 681 | 1435 | 1719 | } paired Fuzz |
| 28 | | Starmon Oddi | 110 | 5282 | 1435 | 1719 | } |
| 29 | | Starmon Oddi | 120 | 5283 | 1436 | 1718 | clean |
| 30 | | Starmon Oddi | 130 | 5284 | 1437 | 1718 | clean |
| 31 | | Starmon Oddi | 140 | 5285 | 1437 | 1717 | Fuzzy growth |
| 32 | | Starmon Oddi | 150 | 5286 | 1438 | 1716 | clean |
| 33 | | Starmon oddi | 160 | 5287 | 1440 | 1715 | clean |
| 34 | 500 | 3/8 wire | | | 1453 | | |
| 35 | 500 | 3/8 wire | | | 1530 | 1650 | 1 |
| 36 | 200 | 3/8 wire | | | 1547 | | |
| 37 | 100 | 3/8 wire | | | 1556 | 1633 | } encapsulated termination in at 1602 UTC |
| 38 | 200 | 7/8 nylon | | | 1602 | | } |
| 39 | 500 | 7/8 nylon | | | 1626 | | |
| 40 | 2000 | 3/4 nylon | | | | | |
| 41 | 100 | 7/8 nylon | | | | | |
| 42 | 1500 | 1" colmega | | | 1725 | | |
| 43 | | glass balls (56) | | | 1805 | 1410 | 6 broken glass balls |
| 44 | | SBE37 | | 11393 | 2013 | 1400 | |
| 45 | | SBE37 | | 11392 | 2013 | 1400 | |
| 46 | 5 | 1/2 chain | | | | | |
| 47 | | Acoustic release | | 33415 | 2013 | 1410 | |
| 48 | | Acoustic release | | 31272 | 2013 | | |
| 49 | 5 | 1/2 chain | | | 2013 | | |
| 50 | 20 | 1" Samson Nystron | | | 2013 | | |

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

| Item No. | Length (m) | Item | Depth | Inst No. | Time Over | Time Back | Notes |
|---|---|---|---|---|---|---|---|
| 51 | 5 | 1/2 chain | | | | | |
| 52 | | Anchor | | | 2031 | | 7000 lbs (dry) |
| 53 | | | | | | | |
| 54 | | | | | | | |
| 55 | | | | | | | |
| 56 | | | | | | | |
| 57 | | | | | | | |
| 58 | | | | | | | |
| 59 | | | | | | | |
| 60 | | | | | | | |
| 61 | | | | | | | |
| 62 | | | | | | | |
| 63 | | | | | | | |
| 64 | | | | | | | |
| 65 | | | | | | | |
| 66 | | | | | | | |
| 67 | | | | | | | |
| 68 | | | | | | | |
| 69 | | | | | | | |
| 70 | | | | | | | |
| 71 | | | | | | | |
| 72 | | | | | | | |
| 73 | | | | | | | |
| 74 | | | | | | | |
| 75 | | | | | | | |

ARRAY NAME AND NO._____ MOORED STATION NO._____

| Date/Time | Comments |
|---|---|
| 6/12/18 | Upon recovery, all ASIMET met sensors had some red dust on them (Sahara dust, maybe), especially HRH/AT. Radiations domes also had fine dust but more white, possibly sea spray. |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |