

# Moored Station Log

(fill out log with black ball point pen only)

ARRAY NAME AND NO. WHOTS-3 MOORED STATION NO. 1175

## Launch (anchor over)

Date (day-mon-yr) 26-6-2006 Time 2347 UTC  
Latitude (N/S, deg-min) 22°45.961 N Longitude (E/W, deg-min) 157°53.823 W  
Deployed by Lord, Weller Recorder/Observer Griffiths  
Ship and Cruise No. Revelle AMAT 07 Intended Duration 365 days  
Depth Recorder Reading 4698.5 m Correction Source This already has  
Depth Correction 5m (transducer depth) sound speed cor (1000m XBT, Caden  
Corrected Water Depth 4703.5 m table deeper than 1000m) Magnetic Variation (E/W) \_\_\_\_\_  
Argos Platform ID No. See page 2 Additional Argos Info on pages 2 and 3

## Surveyed Anchor Position

Lat (N/S) 22° 45.9938' Long. (E/W) 157° 53.992'

Acoustic Release Model Model 8242 X5 Tandem in frame

Release No. <sup>SN</sup> 30846 #1 Tested to 1500 m  
~~151376~~ <sup>SN</sup> 31272 #2  
Receiver No. ~~466561~~ #1, ~~444237~~ #2 Release Command #1 151376 #2 444237  
Enable #1 166561 #2 460422 Disable #1 166603 #2 460447  
Interrogate Freq. 11 kHz Reply Freq. 12 kHz

## Recovery (release fired)

Date (day-mon-yr) 28 Jun 2007 Time 1520 UTC  
Latitude (N/S, deg-min) 22° 44.854' Longitude (E/W, deg-min) 157° 55.355'  
Recovered by Lord/Whehan Recorder/Observer Plueddemann  
Ship and Cruise No. KM-07-08 Actual duration \_\_\_\_\_ days  
Distance from actual waterline to buoy deck 70 cm

Surface Components

Buoy Type Gilman Foen Color(s) Hull yellow white Tower white

Buoy Markings \_\_\_\_\_

Surface Instrumentation

| Item           | ID #  | Height* | Comments                  |
|----------------|-------|---------|---------------------------|
| ASIMET lgr     | L-12  | -       | System 1                  |
| HRH            | 211   | 231.5   | above deck                |
| BPR            | 505   | 234.0   | "                         |
| WNO            | 219   | 265.0   | "                         |
| PRC            | 204   | 235.0   |                           |
| LWR            | 504   | 285.0   |                           |
| SWR            | 209   | 287.0   |                           |
| SST            | 3603  | -150.0  | below deck                |
| PTT            | 63878 |         | IDS: 27356, 27364, 27413  |
| ASIMET lgr     | L-16  |         |                           |
| HRH            | 215   | 233.0   |                           |
| BPR            | 506   | 234.5   |                           |
| WNO            | 218   | 266.0   |                           |
| PRC            | 215   | 234.0   |                           |
| LWR            | 205   | 285.0   |                           |
| SWR            | 504   | 287.0   |                           |
| SST            | 3605  | -150.0  |                           |
| PTT            | 63879 |         | IDS: 07561, 27415, 27416  |
| Standard RH #1 |       | 193.0   |                           |
| Standard RH #2 |       | 193.0   |                           |
| GPS            | 69975 | 245.0   |                           |
| Iridium        | 8370  |         | System 1                  |
| Iridium        | 16710 |         | System 2                  |
| Floating SST   |       |         |                           |
| SS-Argos       | 8     |         | <del>24438</del> ID 24338 |

\*Height above buoy deck in centimeters

Subsurface Instrumentation on Buoy and Bridle

| Item   | ID # | Depth <sup>†</sup> | Comments    |
|--------|------|--------------------|-------------|
| SST    | 3603 |                    | L12 / Sys 1 |
| SST    | 3605 |                    | L16 / Sys 2 |
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| floaty |      |                    |             |
| SST    |      |                    |             |
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<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                        |
|----------|------------|-----------|----------|-----------|-----------|----------|-----------|-----------|------------------------------|
| 1        |            | Booy H411 |          | 1847      |           |          |           | 1641      | VTC 28 JUN 07                |
| 2        | 7.75       | 3/4 chain |          |           |           |          |           | 1727      |                              |
| 3        |            | NGVM      | 035      | 1829      | bands off |          | 10m       | 1728      | prop's spinning free         |
| 4        | 2.82       | 3/4 chain |          |           |           |          |           |           |                              |
| 5        |            | Seacat    | 801      | 1828      | SBE 16    |          | 15m       | 1728      | upper anti-soul plug missing |
| 6        | 8.68       | 3/4 chain |          |           |           |          |           |           |                              |
| 7        |            | Seacat    | 1085     | 1825      | SBE 16    |          | 25m       | 1740      |                              |
| 8        | 3.28       | 3/4 chain |          |           |           |          |           |           |                              |
| 9        |            | NGVM      | 059      | 1818      | bands off |          | 30m       | 1743      | props spinning free          |
| 10       | 2.82       | 3/4 chain |          |           |           |          |           |           |                              |
| 11       |            | Seacat    | 1097     | 1816      | SBE 16    |          | 35m       | 1744      |                              |
| 12       | 3.66       | 3/4 chain |          |           |           |          |           |           |                              |
| 13       |            | Microcat  | 3381     | 1814      | SBE 37    |          | 40m       | 1749      |                              |
| 14       | 3.66       | 3/4 chain |          |           |           |          |           |           |                              |
| 15       |            | Microcat  | 4663     | 1859      | SBE 37    |          | 45m       | 1750      |                              |
| 16       | 3.66       | 3/4 chain |          |           |           |          |           |           |                              |
| 17       |            | Seacat    | 1088     | 1902      | SBE 16    |          | 50m       | 1753      |                              |
| 18       | 3.66       | 3/4 chain |          |           |           |          |           |           |                              |
| 19       |            | Seacat    | 1090     | 1909      | SBE 16    |          | 55m       | 1755      |                              |
| 20       | 8.70       | 7/16 wire |          |           |           |          |           |           |                              |
| 21       |            | Seacat    | 1092     | 1913      | SBE 16    |          | 65m       | 1759      |                              |
| 22       | 8.70       | 7/16 wire |          |           |           |          |           |           |                              |

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| Item No. | Depth (m) | Item      | Inst No.       | Time Over               | Notes                   | Data No. | Depth (m) | Time Back | Notes |
|----------|-----------|-----------|----------------|-------------------------|-------------------------|----------|-----------|-----------|-------|
| 23       |           | Seacat    | 1095           | 1916                    | SBE 16                  |          | 75 m      | 1802      |       |
| 24       | 8.70      | 7/16 wire |                |                         |                         |          |           |           |       |
| 25       |           | Microcat  | 4699           | 1918                    | SBE37 with pressure     |          | 85 m      | 1805      |       |
| 26       | 8.70      | 7/16 wire |                |                         |                         |          |           |           |       |
| 27       |           | Seacat    | 1097           | 1921                    | SBE 16                  |          | 95 m      | 1807      |       |
| 28       | 8.70      | 7/16 wire |                |                         |                         |          |           |           |       |
| 29       |           | Microcat  | 2769           | 1924                    | SBE37 with pressure     |          | 105 m     | 1810      |       |
| 30       | 13.6      | 7/16 wire |                |                         |                         |          |           |           |       |
| 31       |           | Seacat    | 1099           | 1927                    | SBE 16                  |          | 120 m     | 1813      |       |
| 32       | 3.66      | 3/4 chart |                |                         |                         |          |           |           |       |
| 33       |           | RDI ADCP  | <del>489</del> | 1929                    | upward looking          |          | 125 m     | 1818      |       |
| 34       | 8.70      | 7/16 wire | 7637           |                         | - confirmed on recovery |          |           |           |       |
| 35       |           | SEACAT    | 1100           | 1933                    | SBE 16                  |          | 135 m     | 1821      |       |
| 36       | 18.75     | 7/16 wire |                |                         |                         |          |           |           |       |
| 37       |           | Microcat  | 4700           | 1938                    | SBE37 with pressure     |          | 155 m     | 1825      |       |
| 38       | 250 m     | 3/8 wire  |                | 1938                    | 5030-10 (start time)    |          |           | 1829      |       |
| 39       | 500 m     | 3/8 wire  |                | 1946                    | 5030-13                 |          |           | 1840      |       |
| 40       | 500 m     | 3/8 wire  |                | 2001                    | 5234-12                 |          |           | 1856      |       |
| 41       | 500 m     | 3/8 wire  |                | 2019                    | 5234-11                 |          |           | 1913      |       |
| 42       | 100       | 3/8 wire  | 5030-14        | 2038                    | wire/nylon term.        |          |           | 1933      |       |
| 43       | 200       | 7/8 nylon | one piece      | 2042                    | wrapped                 |          |           | 1938      |       |
| 44       | 2000      | 7/8 nylon |                | 2057                    | one piece 49-46         |          |           |           |       |
| 45       | 100       | 1" nylon  |                | <del>2140</del><br>2137 |                         |          |           |           |       |

