

Moored Station Log

(fill out log with black ball point pen only)

ARRAY NAME AND NO. WHOTS-18 MOORED STATION NO. N/A

Launch (anchor over)

Date (day-mon-yr) 24-Jul-2022 Time 0217 UTC

Deployed by Llanos/Graham Recorder/Observer Plueddemann

Ship and Cruise No. Sette SE-22-05 Intended Duration 365 days

Depth Recorder Reading 4745 m Correction Source +5 m for hull xducer

Depth Correction 5 m sound speed of 1504 m/s already in the system ES60 12 kHz??

Corrected Water Depth 4750 m Magnetic Variation (E/W) _____

Anchor Drop Lat. (N/S) 22° 40.002 Lon. (E/W) 157° 56.793

Surveyed Pos. Lat. (N/S) 22° 40.021 N Lon. (E/W) 157° 57.018 W

Iridium
Argos Platform ID No. see pg 2+3 Additional Argos Info on pages 2 and 3

Acoustic Release Model BACS 8242 Tested to 1500 m

Release No. 1 (sn) 33411 Release No. 2 (sn) 48271

Interrogate Freq. 11 kHz Interrogate Freq. 11 kHz

Reply Freq. 12 kHz Reply Freq. 12 kHz

Enable 361167 Enable 567252

Disable 361205 Disable 567271

Release 346426 Release 551014

Recovery (release fired)

Date (day-mon-yr) 19 June 2023 Time 17:49 UTC

Latitude (N/S) 22 39.899 Longitude (E/W) 157 57.212

Recovered by Llanos/Graham Recorder/Observer S. Bigorre

Ship and Cruise No. SE-23-02 Actual duration 331 days

Distance from waterline to buoy deck 65 cm

NOAA Ship Sette, cruise SE-22-05, depart Honolulu, HI 22-Jul-2022
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| Surface Components | |
|--------------------|--|
| Buoy Type | ^{MOBS} Color(s) Hull Tower <u>blue/yellow hull, white tower</u> |
| Buoy Markings | <u>'B', off sound adrift... U. Hawaii 808-956-2737</u> |

Surface Instrumentation

| Item | ID # | Height* | Comments |
|------------|------|---------|----------------------|
| Logger | 7 | — | System 1 |
| Iridium | — | — | IMEI 300234063262740 |
| HRH | 704 | 233 | |
| BPR | 211 | 237 | |
| WND | 221 | 265 | RM Young |
| PRC | 215 | 253 | |
| LWR | 209 | 280 | |
| SWR | 504 | 280 | |
| SST | 1834 | -155 | |
| Logger | 8 | — | System 2 |
| Iridium | — | — | IMEI 300234063345500 |
| HRH | 249 | 230 | |
| BPR | 501 | 238 | |
| WND | 343 | 264 | RM Young |
| PRC | 216 | 254 | |
| LWR | 210 | 280 | |
| SWR | 209 | 280 | |
| SST | 1841 | -155 | |
| Xeos Melo | | — | IMEI 300034012129060 |
| Xeos Rover | 727 | — | IMEI 300434063359170 |
| Xeos Rover | 859 | — | IMEI 300434063297420 |
| WXT | 201 | 267 | |
| SBE39AT | 5272 | 233 | |
| Lascar | 18 | 197 | |

→ Add'l sensors see pg 3 *Height above buoy deck in centimeters

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| Item No. | Length (m) | Item | Depth | Inst No. | Time Over | Time Back | Notes |
|----------|------------|---------------------|-------|----------|------------------------------------|-----------|---|
| 1 | | buoy | 0 | | 23-Jul-23 1957 | 0350 | |
| 2 | 5.26 | $\frac{3}{4}$ chain | | | | | |
| 3 | | MCAT | 7 | 3617 | 1934 3617 | 0354 | |
| 4 | 1.30 | $\frac{3}{4}$ chain | | | | | |
| 5 | | VMCM | 10 | 32 | 1935 32 | 0356 | bands off 1934 UTC pretty clean, a few barnacles |
| 6 | 2.82 | $\frac{3}{4}$ chain | | | | | |
| 7 | | MCAT | 15 | 6893 | 1935 6893 | 0358 | |
| 8 | 8.10 | $\frac{3}{4}$ chain | | | | | |
| 9 | | MCAT | 25 | 6894 | 1929 6894 | 0402 | shark tracker on load bar SN 135915. Start of fuzzy zone |
| 10 | 3.28 | $\frac{3}{4}$ chain | | | | | |
| 11 | | VMCM | 30 | 42 | 1926 42 | 0231 | bands off 1924 UTC Tpod 069 1 barnacle on top prop |
| 12 | 2.82 | $\frac{3}{4}$ chain | | | | | |
| 13 | | MCAT | 35 | 6895 | 1922 6895 | 0227 | Pretty clean. Two barnacles, one inside guard. |
| 14 | 3.66 | $\frac{3}{4}$ chain | | | | | |
| 15 | | MCAT | 40 | 6896 | 1919 6896 | 0225 | A couple barnacles. Very little growth. |
| 16 | 3.66 | $\frac{3}{4}$ chain | | | | | |
| 17 | | MCAT | 45 | 6887 | 1917 6887 | 0220 | |
| 18 | 1.07 | $\frac{3}{4}$ chain | | | | | |
| 19 | | ADCP | 47.5 | 1825 | 2013 1825 | 0216 | First instrument covered with fuzzy growth. |
| 20 | 75.5 | $\frac{7}{16}$ wire | | 19099-2 | 19099-2 | 0215 | |
| 21 | | MCAT | 50 | 6897 | 2013 6897 | 0214 | |
| 22 | | MCAT | 55 | 6898 | 2016 6898 | 0214 | |
| 23 | | MCAT | 65 | 6899 | 2017 6899 | 0212 | |
| 24 | | MCAT | 75 | 3618 | 2020 3618 | 0211 | |
| 25 | | MCAT | 85 | 3634 | 2022 3634 | 0209 | |

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| Item No. | Length (m) | Item | Depth | Inst No. | Time Over | Time Back | Notes |
|----------|------------|-------------------------|------------------------|----------|----------------------------|-------------------------|--|
| 26 | | UCAT | 95 | 3670 | 7/24/22 2023 | 0208 | |
| 27 | | UCAT | 105 | 6889 | 2025 | 0207 | |
| 28 | | UCAT | 120 | 6890 | 2028 | 0204 | |
| 29 | | UCAT ADCP | 125 | 4891 | 2033 | 0200 | |
| 30 | 250 | $\frac{3}{8}$ wire | - | 1099-8 | 2033 | 0148 | |
| 31 | | UCAT | UCAT 135 | 6888 | 2034 | 0158 | |
| 32 | | UCAT | UCAT 155 | 6891 | 2038 | 0156 0148 | |
| 33 | 500 | $\frac{3}{8}$ wire | - | 1909-3 | 2046 | 0134 | |
| 34 | 500 | $\frac{3}{8}$ wire | - | 22041-4 | 2101 | 0120 | |
| 35 | 500 | $\frac{3}{8}$ wire | - | 22041-3 | 2115 | 0100 | |
| 36 | 100 | $\frac{3}{8}$ wire | - | 20053-2 | 2128 | | |
| 37 | 200 | $\frac{7}{8}$ nylon | - | - | 2132 | 0045 | |
| 38 | 2050 | $\frac{7}{8}$ nylon | - | - | 2148 | 0/20 0030 | |
| 39 | 1500 | 1" colmezza | - | - | 2232 | 2218 start 2315 end | start recover: 21:23; End 2150 5 broken balls |
| 40 | | glass balls | - | - | 2320 | | time over = start time #strings H H H H H H |
| 41 | | UCAT | 4711 | 11391 | 7/24/22 0149 | 2135 | } w/pressure } 39 m above bottom |
| 42 | | UCAT | 4711 | 12241 | 0149 | 2135 | |
| 43 | 5 | $\frac{1}{2}$ chain | | | | | |
| 44 | | release | | 33411 | 0156 | 2139 | |
| 45 | | release | | 48271 | 0156 | 2139 | |
| 46 | 5 | $\frac{1}{2}$ chain | | | | | |
| 47 | 20 | 1" samson | | | | | |
| 48 | 5 | $\frac{1}{2}$ chain | | | | | |
| 49 | | anchor | | | 0217 | | |
| 50 | | | | | | | |