

# Moored Station Log

(fill out log with black ball point pen only)

ARRAY NAME AND NO. WHOTS-17 MOORED STATION NO. N/A

## Launch (anchor over)

Date (day-mon-yr) 26 Aug 2021 Time 03:13 UTC

Deployed by Llanos/Hasbrouck Recorder/Observer Plueddemann

Ship and Cruise No. Sette SE-21-03 Intended Duration 12 mo

Depth Recorder Reading 4680 m Correction Source xducer depth +5m

Depth Correction +19 m HOT speed 1504/1500 = 0.3% = +14m

Corrected Water Depth 4699 m Magnetic Variation (E/W) \_\_\_\_\_

Anchor Drop Lat. (N/S) 22° 46.042 N Lon. (E/W) 157° 53.795 W

Surveyed Pos. Lat. (N/S) 22° 46.002 N Lon. (E/W) 157° 53.958 W

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

Acoustic Release Model 8242 Tested to 1500 m

Release No. 1 (sn) 33406 Release No. 2 (sn) 35320

Interrogate Freq. 11 Interrogate Freq. 11

Reply Freq. 12 Reply Freq. 12

Enable 360725 Enable 111514

Disable 360740 Disable 111537

Release 346307 Release 127507

## Recovery (release fired)

Date (day-mon-yr) 25-Jul-2022 Time 1803 UTC

Latitude (N/S) 22° 45.778 N Longitude (E/W) 157° 54.181 W

Recovered by Llanos/Graham Recorder/Observer Plueddemann

Ship and Cruise No. Sette SE-22-05 Actual duration 334 days

Distance from waterline to buoy deck 65 cm

NOAA ship Sette, cruise SE-21-03, depart Honolulu 24 Aug 2021

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**Surface Components**

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

Buoy Markings 'B', IS sound adist, v. Hawaii 808-956-7633

**Surface Instrumentation**

| Item       | ID #             | Height*                   | Comments  |
|------------|------------------|---------------------------|---|
| Logger     | 19               | —                         | System 1  |
| Irid       |                  | —                         | IMEI 300234063855630                                |
| HRH        | 301              | 235                       |   |
| BPR        | 234              | 237                       |   |
| WND        | 344              | 263                       | RM Young  |
| PRC        | 501              | 254                       |   |
| LWR        | 503              | 283                       |   |
| SWR        | 235              | 283                       |   |
| SST        | 5996             | -155                      |   |
| Logger     | 42               | —                         | System 2  |
| Irid       |                  | —                         | IMEI 300234063160290                                |
| HRH        | 226              | 235                       |   |
| BPR        | 219              | 237                       |   |
| WND        | <del>222</del> * | 263                       | RM Young, *damaged on deployment, replaced with 207 |
| PRC        | 702              | <del>254</del> 254        |   |
| LWR        | 219              | 283                       |   |
| SWR        | 208              | 283                       |   |
| SST        | 1727             | -155                      |   |
| Xeos Melo  |                  |                           | IMEI 300034013707580                                |
| Xeos Rover | 1034             | mounted low central tower | IMEI 300434064530400                                |
| Xeos Rover | 724              | mounted high tower top    | IMEI 300434063547190                                |
| WXT        | 204              | 240                       |   |
| SBE-39AT   | 716              | 233                       |   |
| Lascar     |                  | 195                       |   |

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





ARRAY NAME AND NO. WHOTS-17 MOORED STATION NO. \_\_\_\_\_

8/25/21

| Item No. | Length (m) | Item      | Depth | Inst No. | Time Over UTC    | Time Back       | Notes                                 |
|----------|------------|-----------|-------|----------|------------------|-----------------|---------------------------------------|
| 1        |            | buoy      | 0     | —        | 2022             | 7/26/22<br>0459 |                                       |
| 2        | 5.26       | 3/4 chain | —     | —        |                  |                 |                                       |
| 3        |            | UCAT      | 7     | 6892     | 2020             | 0505            | w/pressure                            |
| 4        | 1.3        | 3/4 chain | —     | —        |                  |                 |                                       |
| 5        |            | VMCM      | 10    | 35       | 1957             | 0505            | spin at 1908 UTC                      |
| 6        | 2.82       | 3/4 chain | —     | —        |                  |                 |                                       |
| 7        |            | UCAT      | 15    | 3382     | 1942             | 0509            |                                       |
| 8        | 8.1        | 3/4 chain | —     | —        |                  |                 |                                       |
| 9        |            | UCAT      | 25    | 4663     | 1937             | 0509            | shark tracker on load bar             |
| 10       | 3.28       | 3/4 chain | —     | —        |                  |                 | SN 135934                             |
| 11       |            | VMCM      | 30    | 58       | 1932             | 0515            | spin props at 1922                    |
| 12       | 2.82       | 3/4 chain | —     | —        |                  |                 | buoy cast off at bottom of this chain |
| 13       |            | UCAT      | 35    | 3633     | 1924             | 0357            |                                       |
| 14       | 3.66       | 3/4 chain | —     | —        |                  |                 |                                       |
| 15       |            | UCAT      | 40    | 3381     | 1920             | 0354            |                                       |
| 16       | 3.66       | 3/4 chain | —     | —        |                  |                 |                                       |
| 17       |            | UCAT      | 45    | 3668     | 1915             | 0349            | w/pressure                            |
| 18       | 1.07       | 3/4 chain | —     | —        |                  |                 |                                       |
| 19       |            | ADCP      | 47.5  | 13917    | 2039             | 0345            | 600 kHz                               |
| 20       | 75.5       | 7/16 wire | —     | 19099-1  | <del>19099</del> | 0345            |                                       |
| 21       |            | UCAT      | 50    | 3619     | 2041             | 0344            |                                       |
| 22       |            | UCAT      | 55    | 3620     | 2041             | 0343            |                                       |
| 23       |            | UCAT      | 65    | 3621     | 2044             | 0342            |                                       |
| 24       |            | UCAT      | 75    | 3632     | 2046             | 0341            | sinking line below instr              |
| 25       |            | UCAT      | 85    | 4699     | 2047             | 0339            | w/pressure                            |



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| Item No. | Length (m) | Item        | Depth | Inst No. | Time Over       | Time Back         | Notes   |
|----------|------------|-------------|-------|----------|-----------------|-------------------|---|
| 26       |            | ULCAT       | 95    | 3791     | 2049            | 0338              |   |
| 27       |            | ULCAT       | 105   | 2769     | 2052            | 0337              | w/pressure  |
| 28       |            | ULCAT       | 120   | 4700     | 2100            | 0336              | w/pressure  |
| 29       |            | ADCP        | 125   | 7637     | 2100            | 0332              |   |
| 30       | 250        | 3/8 wire    | —     | 19099-7  | 2100            | 0332              |   |
| 31       |            | ULCAT       | 135   | 2451     | 2101            | 0331              | w/pressure  |
| 32       |            | ULCAT       | 155   | 4701     | 2104            | 0330              | w/pressure<br>no conductiv. guard on recov.<br>cond cell bent |
| 33       | 500        | 3/8 wire    | —     | 19099-4  | 2112            | 0324              |   |
| 34       | 500        | 3/8 wire    | —     | 21086-1  | 2126            | 0310              |   |
| 35       | 500        | 3/8 wire    | —     | 20053-1  | 2138            | 0252              |   |
| 36       | 100        | 3/8 wire    | —     | 19099-1  | 2150            | 0151              | SN should be 19099-9  |
| 37       | 200        | 7/8 nylon   | —     | —        | 2155            | 0149              |   |
| 38       | 2100       | 7/8 nylon   | —     | —        | 2213            | 0140              |   |
| 39       | 1500       | 1" colmega  | —     | —        | 2250            | 7/26/22<br>0008 ↑ |   |
| 40       |            | glass balls | —     | —        | 8/26/21<br>0030 | 2130              | 68 balls in 17 strings of 4<br>15 broken on recovery          |
| 41       |            | ULCAT       | 4660  | 11380    | 0036            | 2147              | w/pressure, over trans. in air<br>39 m above bottom anchor    |
| 42       |            | ULCAT       | 4660  | 11381    | 0036            | 2147              | w/pressure  |
| 43       | 5          | 1/2" chain  | —     | —        | 0036            | 2151              | under tow here for deployment                                 |
| 44       |            | release     |       | 33406    | 0240            | 2151              |   |
| 45       |            | release     |       | 35320    | 0240            | 2151              |   |
| 46       | 5          | 1/2 chain   | —     | —        | —               | 7/25/22 ↑         |   |
| 47       | 20         | 1" samson   | —     | —        | —               | —                 |   |
| 48       | 5          | 1/2 chain   | —     | —        | —               | —                 |   |
| 49       |            | anchor      |       | —        | 0313            | —                 |   |
| 50       |            |             |       |          |                 |                   |   |