

Moored Station Log

(fill out log with black ball point pen only)

ARRAY NAME AND NO. Stratus 22 MOORED STATION NO. _____

Launch (anchor over)

Date (day-mon-yr) 06 Dec 2023 Time 0116 UTC

Deployed by Llanos / Graham Recorder/Observer J. Kozik

Ship and Cruise No. AGS61 Cabode Hornos Intended Duration 365

Depth Recorder Reading 4276 m Correction Source _____

Depth Correction 0 m Multibeam survey from past weeks

Corrected Water Depth 4276 m Magnetic Variation (E/W) 6.85°

Anchor Drop Lat. (N/S) 22 28.350 Lon. (E/W) 85 39.392

Surveyed Pos. Lat. (N/S) 22 28.205 Lon. (E/W) 85 39.502

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

Acoustic Release Model Edgetech
8242XS Tested to 1500 m

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

Interrogate Freq. 11 kHz Interrogate Freq. 11 kHz

Reply Freq. 12 Reply Freq. 12

Enable 340011 Enable 337703

Disable 340032 Disable 337720

Release 335364 Release 335322

Recovery (release fired)

Date (day-mon-yr) 18-Mar-25 Time 11:10 UTC

Latitude (N/S) 22° 27.66' Longitude (E/W) 85° 40.01'

Recovered by Llanos / Graham Recorder/Observer Jorquera / Bigorre

Ship and Cruise No. AGS61 - Stratus 23 Actual duration 468 days

Distance from waterline to buoy deck 60 cm

Recovery Cruise: Valparaiso - Stratus - Valparaiso; 2025/3/10 - 23.

Deployment Cruise: Valparaiso to Valparaiso: 2023/11/29 to 2023/12/14.

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| Surface Components | | | |
|--|---------------------|----------|-------------------------------|
| Buoy Type | <u>110B</u> | Color(s) | <u>Blue / Yellow / White</u> |
| Hull Tower _____ | | | |
| Buoy Markings _____ | | | |
| Surface Instrumentation | | | |
| Item | ID # | Height* | Comments |
| Logger | L01 | v | Port side . V4 38-1 CF 256 mb |
| HRH | 705 | 232 | SD card. |
| BPR | 211 | 244 | SD card. |
| SWND | 216 | 262 | CF card |
| PRC | 213 | 253 | SD card. |
| LWR | 254 | 281 | CF card |
| SWR | 351 | 281 | SD card. |
| SST | 1836 | | |
| Ret Iridium | 300234063269 760 | | |
| Logger | L08 | | Starboard side . |
| HRH | 339 | 231 | SD card. |
| BPR | 216 | 244 | CF card. |
| WND | 343 | 263 | SD card. |
| PRC | 320 | 252 | SD card. |
| LWR | 212 | 281 | CF card. |
| SWR | 214 | 281 | CF card. |
| Ret Iridium SST | 2054 | | |
| Ret Iridium | 300234063166 220 | | |
| Standaheiser: | | | |
| WXT | 202 | 263 | SD card. |
| SWR | 221 | 281 | CF card. Fipp & Lunen |
| HRH | 365 | 232 | SD card |
| HRH | 12718304 | 233 | Hygroclips C210EO |
| SBE 39AT | 3800 | 229 | |
| *Height above buoy deck in centimeters | | | |

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| Subsurface Instrumentation on Buoy and Bridle | | | |
|---|---------|--------|--------------------------------|
| Item | ID # | Depth† | Comments |
| SBE56 | 1207 | | Port 90° (90 cm) |
| SBE56 | 1208 | | FWD 180° |
| SBE56 | 1209 | | FWD 180° |
| SBE56 | 1211 | | FWD 180° |
| SBE56 | 2069 | | Starboard 225° (85cm) |
| | | | |
| Xeos Kilo | 619 | | 300234061853510 |
| Xeos Delta | | | 300034013709966 |
| Xeos Romeo | 111 | | 300434060447400 |
| Xeos Romeo | 1032 | | 300434064537420 |
| | | | |
| PCO2 | | | |
| TRAPCO2 | 208 | | |
| Antenna | 208 | | |
| Gas cylinder | JS17487 | | concentration 444.41, 1950 PSI |
| Sami | | | |
| SBE16 | | | |
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| †Depth below buoy deck in centimeters | | | |

ARRAY NAME AND NO. Stratus22 MOORED STATION NO. _____

| Item No. | Length (m) | Item | Depth | Inst No. | Time Over | Time Back | Notes |
|----------|------------|---------------|-------|---------------------------|-----------|-----------|-------------------------------------|
| 1 | | buoy | | | | 1810 | A frame stops when buoy in the air. |
| 2 | 0.22 | 3/4 chain | | | | | |
| 3 | | SBE37 | 2 | 1304 ✓ | 1431 | 1810 | |
| 4 | 0.37 | 3/4 chain | | | | | |
| 5 | | SBE37 | 3.7 | 3821 ✓ | 1431 | 1810 | |
| 6 | 0.525 | chain | | | | | shackle on each end |
| 7 | | SBE39 | 5 | 39 ✓ | 1431 | 1810 | |
| 8 | 0.9 | 3/4 chain | | | | | |
| 9 | | SBE37 | 7 | 3824 ✓ | 1408 | 1820 | |
| 10 | 4 | 3/4 chain | | | | | |
| 11 | | SBE39 | 12.2 | 41 ✓ | 1405 | 1823 | |
| 12 | | Aanderaa ADCP | 13 | 0235 ✓ | 1404 | 1823 | Heads up |
| 13 | 1.95 | 3/4 chain | | | | | |
| 14 | | SBE37 | 16.4 | 1899 ✓ | 1403 | 1823 | |
| 15 | 2.1 | 3/4 chain | | | | | |
| 16 | | SBE39 | 20 | 3480 3480 ✓ | 1400 | 1826 | SN: 3480 |
| 17 | 4.05 | 3/4 chain | | | | | |
| 18 | | SBE39 | 25 | 0539 ✓ | 1358 | 1829 | |
| 19 | 3.97 | 3/4 chain | | | | | |
| 20 | | SBE37 | 30 | 1900 ✓ | 1355 | 1829 | |
| 21 | 1.125 | 3/4 chain | | | | | |
| 22 | | Aanderaa ADCP | 32.5 | 0238 ✓ | 1354 | 1831 | Heads up |
| 23 | 1.125 | 3/4 chain | | | | | |
| 24 | | SBE39 | 35 | 0721 ✓ | 1352 | 1831 | |
| 25 | 3.97 | 3/4 chain | | | | | |

ARRAY NAME AND NO. Stratus 22 MOORED STATION NO. _____

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Ref go
@
Recovery

| Item No. | Length (m) | Item | Depth | Inst No. | Time Over | Time Back | Notes |
|----------|------------|-------------|-------|-----------------|-----------------|-----------|--|
| 26 | | SBE37 | 40 | 1901 ✓ | 1349 | 1836 | |
| 27 | 3.23 | 3/4 chain | | ✓ | | | |
| 28 | | VNCT | 45 | 2064 ✓ TRD13 | 1347 | 1701 | Spike = 1345 Recovery Spike 17:06:30 Barnacles on props 1st top blades missing |
| 29 | 15.3 | 7/16 wire | | | | | 23053-6 TOP |
| 30 | | SBE39 | 52 | 1502 ✓ | 1431 | 1658 | clamped. Covered in barnacles |
| 31 | | SBE37 | 62.5 | 1902 ✓ | 1424 | 1654 | load bar TO: 1441 230535 A dozen barnacles |
| 32 | 21.2 | 7/16 wire | | | | | |
| 33 | | SBE39 | 70 | 1509 ✓ | 1443 | 1652 | 1 clamp broken @ recovery |
| 34 | | SBE39 | 77.5 | 1511 ✓ | 1445 | 1651 | |
| 35 | | RD1 ADCP | 85 | 1414 ✓ | 1455 | 1646 | S/N: 12254 ✓ |
| 36 | | SBE37 | 88 | 2004 ✓ | 1455 | 1646 | load bar |
| 37 | 9.5 | 7/16 wire | | | | | |
| 38 | | SBE39 | 92.5 | 3423 ✓ | 1455 | 1645 | clamped |
| 39 | | VNCT | 100 | 2053 ✓ TRD10 | 1500 | 1641 | SPIKE: 1459 Recovery Spike 16:42:25 |
| 40 | 28 | 7/16 wire | | | | | |
| 41 | | SBE39 | 115 | 1498 ✓ | 1504 | 1639 | clamped |
| 42 | | SBE37 | 130 | 1903 ✓ | 1512 | 1637 | load bar 23053-3 |
| 43 | 3 | 3/4 chain | | | | | |
| 44 | | VNCT | 135 | 2004 ✓ TRD13 | 1514 | 1633 | SPIKE 1513 Recovery Spike 16:33:30 |
| 45 | 23.5 | 7/16 wire | | | | | 23053-3 |
| 46 | | SBE39 | 145 | 3435 ✓ | 1516 | 1632 | clamped |
| 47 | | SBE37 | 160 | 1905 ✓ | 1520 | 1628 | 2 small barnacles |
| 48 | 21.3 | 7/16 wire | | | | | 23053-4 |
| 49 | | SBE39 | 175 | 45 ✓ | 1522 | 1622 | clamped |
| 50 | | VNCT | 183 | 2059 ✓ TRD14 | 1527 | 1618 | SPIKE: 1526 spike Recovery 16:18:30 |

5 23053-7 →

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| Item No. | Length (m) | Item | Depth | Inst No. | Time Over | Time Back | Notes |
|----------|------------|-----------------------|-------|------------------|-----------|------------|---|
| 51 | 4.8 | 7/16 wire ✓ | | | | | 23053-9 |
| 52 | | SBE37 | 190 | 1907 ✓ | 1531 | | load bar → Missing at Recovery → load bar & clamp on |
| 53 | 22.5 | 7/16 wire ✓ | | | | | 23053-1 |
| 54 | | SBE37 | 220 | 8214 ✓ | 1537 | 1611 | load bar |
| 55 | 13 | 7/16 wire ✓ | | | | | 23053-7 |
| 56 | | VNCL7 | 235 | 2061 ✓ TP0233 | 1543 | 1607 | SPIKE = 15:41 Recovery Spike 16:07:15 |
| 57 | 53 | 7/8 wire ✓ | | | | | 23053-18 |
| 58 | | SBE37 | 250 | 2011 ✓ | 1545 | 1605 | clamped |
| 59 | | VNCL7 | 290 | 2062 ✓ TP0268 | 1554 | 1544 | SPIKE = 1552 Recovery Spike 15:45:06 → Tped label 89 |
| 60 | 160 | 3/8 wire ✓ | | | | | 23053-24 |
| 61 | | SBE37 | 310 | 7836 ✓ | 1557 | 1543 | clamped |
| 62 | | SBE39 | 400 | 3438 ✓ | 1607 | 1540 | clamped |
| 63 | | VNCL7 | 450 | 2083 ✓ TP0234 | 1616 | 1534 | SPIKE: 16:13 Recovery Spike 15:34:45 |
| 64 | 340 | 3/8 wire ✓ | | | | 1525 start | 23053-13 |
| 65 | | SBE37 | 550 | 8223 ✓ | 1625 | 1530 | clamped |
| 66 | 500 | 3/8 wire ✓ | | | | 1510 | 23053-11 |
| 67 | 500 | 3/8 wire ✓ | | | | 1450 | 23053-10 Winch broke @ 1730 - respeded on other winch with 50m steel + 10m wire + 100m + 200m nylon - rest at 211 |
| 68 | 100 | 3/8 wire ✓ | | | | | 23053-17 |
| 69 | 100 | 3/8 wire ✓ | | | | 1440 | 23053-15 one piece, wrapped termination |
| 70 | 200 | 7/8 nylon ✓ | | | | | |
| 71 | 1850 | 7/8 nylon ✓ | | | 2245 | 1355 | splined at sea |
| 72 | 1300 | 1" Calmag ✓ | | | | | |
| 73 | | 6/16 glass Balls (84) | | | 0103 | 1305 | 21 sets of 4 broken 6B |
| 74 | | SBE37 | 4238 | 10600 ✓ | 0103 | 1310 | one had cage |
| 75 | | SBE37 | 4238 | 10604 ✓ | 0103 | 1310 | |

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|----------|------------|------------------|-------|----------|-----------|-----------|-------------------------------------|
| 76 | 5 | 1/2 chain | | | | | |
| 77 | | Acoustic Release | | | 0104 | 1313 | with 17 chain |
| 78 | | Acoustic Release | | | 0104 | 1313 | |
| 79 | 1 | chain | | | | | |
| 80 | 5 | 1/2 chain | | | | | |
| 81 | 20 | Samson | | | | | |
| 82 | 5 | 1/2 chain | | | | | |
| 83 | | Anchor | | | 0116 | | wet weight 8000 lbs dry " 9300 " |
| 84 | | | | | | | |
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ARRAY NAME AND NO. _____ MOORED STATION NO. _____

| Date/Time | Comments |
|-----------------|--|
| 12/5/2023 17:30 | Split net drum stops working during deployment |
| | (brake is locked). |
| " 18:15 | Wires transferred by hand to other split net |
| | drum, using spare 100 m wire shots (x2) |
| | and spare braided Nylon 200 m shot. |
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