TUL 29 AM 2003 DATE +6(0) ZONE DESCRIPTION\_

5,5

USCA FUEL BERTH TODAMIC AIC WOM WS BY AT/ON-ORUBE

# WEATHER OBSERVATIONS

| ш    | ,<br>    | COURSE                    |                        | 891      | YTI        | MIND      | 9                    | SEA     | Ą                   | SWELL   | ELL                  |          | TEMP. | <u>a:</u>               | CFO  | CLOUDS                 |
|------|----------|---------------------------|------------------------|----------|------------|-----------|----------------------|---------|---------------------|---------|----------------------|----------|-------|-------------------------|------|------------------------|
| ZONE | TRUE     | атно                      | STAND.<br>OR<br>STEER. | ITABW    | HOISIA     | DIRECT.   | FORCE                | DIRECT. | CONDIT.             | DIRECT. | незант               | BARO.    | DRY   | WET                     | TYPE | AMOUNT                 |
| 5    |          |                           |                        |          |            |           |                      |         |                     |         |                      |          |       |                         |      |                        |
| 02   |          |                           |                        |          |            |           |                      |         |                     |         |                      |          |       |                         |      |                        |
| 8    |          |                           |                        |          |            |           |                      |         |                     |         |                      |          |       |                         |      |                        |
| 8    |          |                           |                        |          |            |           |                      |         |                     |         |                      |          |       |                         |      |                        |
| 92   |          |                           |                        |          |            |           |                      |         |                     |         |                      |          |       |                         |      |                        |
| 98   |          |                           |                        |          |            |           |                      |         |                     |         |                      |          |       |                         |      |                        |
| 07   |          |                           |                        |          |            |           |                      |         |                     |         |                      |          |       |                         |      |                        |
| 8    | W.       | MOORED                    |                        | Peuns    | 17         | ≥<br>     | 0                    | i       | CATAN               | 1       | 1                    | > 5291   | A     | \$                      | ્ય   | 7                      |
| 8    |          |                           |                        |          |            |           |                      |         |                     |         |                      |          |       |                         |      |                        |
| 10   |          |                           |                        |          |            |           |                      |         |                     |         |                      |          |       |                         |      |                        |
| 11   |          |                           |                        |          | _          |           |                      |         |                     |         |                      |          |       |                         |      |                        |
| 12   |          |                           |                        |          |            |           |                      |         |                     |         |                      |          |       |                         |      |                        |
| 13   |          |                           |                        |          | 1          |           |                      |         |                     |         |                      |          |       |                         |      |                        |
| 14   |          |                           |                        |          |            |           |                      |         |                     |         |                      |          |       |                         |      |                        |
| 15   |          |                           |                        |          |            |           |                      |         |                     |         |                      | ÷        |       |                         |      |                        |
| 16   |          |                           |                        |          |            |           |                      |         |                     |         |                      |          |       |                         |      |                        |
| 17   |          |                           |                        |          |            |           |                      |         |                     |         |                      |          |       |                         |      |                        |
| 18   | 810      | 017                       | 100                    | Pewy     | 12         | 328       | 14                   | 328     | SLT                 | 4       | 1                    | 6.8101   | 29    | t,                      | ت    | 3                      |
| 19   |          |                           |                        |          |            |           |                      |         |                     |         |                      |          |       |                         |      |                        |
| 2    | No       | STATION                   | Jori                   | Menor    | 5          | 298       | 2                    | 226     | 27                  | 1       | ١                    | 0.8.0    | 48    | \$                      | చ్   | 2                      |
| 2    | $\neg$   |                           | _                      |          |            |           |                      |         |                     |         |                      | ,        | _     | 3                       |      |                        |
| 22 2 | Š        | 57. AT                    | 2                      | 2<br>8   | <u>L</u> e | 240       | 15                   | 340     | 25.7                | ١       | ١                    | 0/8/0    | ဂ     | 7                       | ت    |                        |
| _    | 00 ST    | TATION                    | 5                      | CLA      | 7          | 270       | 51                   | DLR     | 5LT                 | )       | 1                    | h.8101   | 48    | 43                      | 72   | u                      |
|      |          |                           |                        |          |            |           |                      |         |                     |         |                      |          |       |                         |      |                        |
| 12 E | STEAMING | TOTAL<br>ETEAMING<br>TIME | AL MING                | DISTANCE |            | TOTAL     | FUEL OIL<br>CONSUMED | NED OIL | FUEL OIL<br>ON HAND |         | LUB. OIL<br>CONSUMED | LUB. OR. | -     | FRESH WATER<br>CONSUMED |      | FRESH WATER<br>ON HAND |
| 48 C | N N      | ă                         | <u>i</u>               | 73.4mm   | ļ          | 73. Yunga | 1                    | a       | 15557 an            |         | 13 can               | 519      | OAL.  |                         | J. ( | 7679 ant.              |
|      | <u>.</u> |                           | ш                      |          | Ш          | 1         | _II II               |         |                     |         | Ш                    | Ш        |       |                         |      |                        |

FUEL OIL RECEIVED 23' 11' 12' 24' 01' 14' PWR. APPRIL A 0.06 DETENTION STATION TIME

2512 88

POSITION BY OBSERVATION

3 VISUAL 4 D.R. LEGEND

TYPE OBS. LONGITUDE 1200 LONGITUDE TYPE OBS. LONGITUDE LATITUDE TIME

### REMARKS

BACIAUMS PORNACE JATIZ AND TRLEPIANE SAMICE PROM CINTS STET AND DOUGH By cln I Stade 412 517 SHP MOORY GAMDSS CHZCKS / TESTS MILLY. SAMSAND MOSRWA 5. charc on water w/ ABS arrest AND 0345 MADE. pressoness ROUNDS womws 844 COMPLITY Frederich SHB POUR (AWAI) USCA FULL PIN GRANAN TRUBIS SUPPLESIONS 00-00

AS BEFORE. KOUNDS USL ENST BY YEKTH INDER LIEAR SIEM, W/ CAUM WINDS, STEADY BARS. 0745 WATCH RELIEVED 3 MM SCANLAND. MADE, CANIGLAY & MOOKING LINES CHECKED THROUGHOUT THE WATCH. ALL IN GOOD OLDER DAND-0806 T. STAHL ON WATH WITH ABS PERRY & MEKRIMAN MOORED

| ASOO-1200 E. S ANLAND ON WATCH W/ ABS GOODMAN AND WYLLE. MOOKED AS BEFORE 0800 COLURS RAISED. 1000 PRE-DEPARTURE STABILITY |
|--|
| RSSESSMENT TAW 46 CFR 97, 15-7, 1145 1AW 33CFR 16425 ND 46 CFR 97.15.3   |
| ALL PRIDIPARIOUS CHECKS COMPLICID: STRUMY, TISTS RMG, ALL MISMS OF COMS,   |
| AMMAD (MSTAM), BUD TWANSTRY, WHISTER / ALWING L ALARM.   |

103 TAVE @ 100 RDM. WIRGHT DULOYING @ POS: 57: 39.83 N 1512 57.60 W 1313 COD STRAVE 2/3. TO 120 TRUE, 1440 HEADS TO IN CAPT DRIWAY 1495 TAE COUNT COME 1510 c/c To # TO AZT UNDRUMAY, GWS FWDUS ON DECIL, UL 1202 SINACUTUS ROMS TO BOOME WOMEN'S BAY. 2- 5x4146 0x To 125. 225 COURSE . Shuns CANGOLA BEING SCOULD. 1303 FED WOMWS BAY 2/3 עצרועתם פא כלי oss of the - wast (22) 12-16 5 EACH ON WATCH. MAKING FINAL PREPRIAGENS <u>ل</u> ل 1316 Abouton DETAIN SZEUND. 1318 FO SP BOUT for Fusing account 3 1332 de to 090° Teus 10c to 125 RMS, 1400 52522000 ١٥٩٠ UNDERUM ON EMOSOR LEA -227.550 5th courst 110 FA FOR TEST WITCHT CAST, 1444 STRUICTS BISCOMUZETUS Versus BOUT 14. Sranwa 584224 019 PSC 147AVZ TEST CAST COMPLETE 1244 228 OF THE DOCK ו ב ע סמנושנ CHOR DEFAIL का भव्छ -220 00053

AS BEENRE. 1704 % 012° 716. 1750 KIS TO 115 RPM. 1807 CIC TO 355° PGC 322° PSC 1950 1915 SIGNED TO 355 RPM. 1930 ALL STAP ON STA. LSB 25.0 M > 151°45.4 M. 1935 SEGURED SSDGATA. 1945 WATCH RELIEDED BY 5MN SCANLAND PERRY & MERRIMAN AT HELM & LAKOUT SSDG#4. 1945 WATCH KELLENED BY JAM SCANLAND 1660-2000 J. STALL EN WATCH WITH ABS
AS BEETEREE. 1704 AC 0120 TIG. 1750

ADOU-AYOO E SCANLAND ON WATCH WABS GOODMAN AND WYLLE, ON STATION AS BEFORE, ADIS BIT ON LINE, ROSD CTD DEPLOYED ON DEIK AUS. 2055 151° 32, W AT SPD APPROX. 15 LTS 2315 REPOSITION FOR REPEAT OF CTD FOR BONGO NET TOW, 2230 B/T SELURED, HYDROPHONE OVER, 2238 H/PH 2148 CTD AP-7 DPLYD, AAIS CTD ON DECE. 2221 REPOSITION 15 TO 100 RPMS ON WAY TO NEXT MATCH 2345 45401930 Granland 9 MC. SK" BONGOPPLYD SK" AS. IN 2339 C/C TO ORST ORS PEC OTY PSC AND ON DECK. 58°25.8 N 151°32.W RELIEVED BY A/M J. LAUL 2312 BONGO SOLE. RBOARD. STATION. HD6 A S

Jul Sal

From Property

JAN JOM

ZONE DESCRIPTION  $+\theta(u)$  DATE W.C. 30 APZ 200\$

BERTH

ATION CRUISE ICMOSOG FOCI CIL 2

# WEATHER OBSERVATIONS

| TIME     |          | COURSE                    |                        | нев  | ДΠ     | N.        | WIND                 | S              | SEA                 | SW       | SWELL                |                     | TEMP.           | Ē.                      | CLO        | CLOUDS                 |
|----------|----------|---------------------------|------------------------|--|--------|-----------|----------------------|----------------|---------------------|----------|----------------------|---------------------|-----------------|-------------------------|------------|------------------------|
| ZONE     | TAUE     | ауно                      | STAND.<br>OR<br>STEER. | WEAT   | IBISIA | DIRECT.   | FORCE                | DIRECT.        | CONDIT.             | DIRECT.  | MEIGHT               | BARO.               | ORY<br>BULB     | WET                     | TYPE       | AMOUNT                 |
| 9        |          |                           |                        |  |        |           |                      |                |                     |          |                      |                     |                 |                         |            |                        |
| 02       | 684      | 964                       | 510                    | CrG  | 0      | 265       | רו                   | 285            | 275                 | j        | ,                    | 1018.2              | 7               | 43                      | 1          | 1                      |
| ន        |          |                           |                        |  |        |           |                      |                |                     |          |                      |                     |                 |                         |            |                        |
| 2        | S NO     | אניש                      |                        | Persy  | õ      | 285       | Ċ                    | 285            | といる                 | ,        | 1                    | 1018.1              | ç               | 43                      | 24         | ٤                      |
| 95       |          |                           |                        |  |        |           |                      |                |                     |          |                      |                     |                 |                         |            |                        |
| 90       | JV3      | STATISA                   | - <u>V</u>             | Pew  | 10     | 290       | %                    | 290            | SLT                 | ş        | l                    | 1017.1              | Ą:              | 43                      | (L)        | ы                      |
| 02       |          |                           |                        |  |        |           |                      |                |                     |          |                      |                     |                 |                         |            |                        |
| 8        | 348      | 345                       | 150                    | Rusy   | 10     | 290       | IJ                   | 962            | SLT                 | 1        | ١                    | lor7.4              | 45              | 43                      | ડ          | 3                      |
| 8        |          |                           |                        |  |        |           |                      |                |                     |          |                      |                     |                 |                         |            |                        |
| 10       | 50       | STAT                      | Ş                      | CLR  | 12     | 290       | 18                   | 296            | 3LT                 | 1        | 1                    | 10.8.5              | 5               | 43                      | C.<br>A.T. | ď                      |
| =        |          |                           |                        |  |        |           |                      |                |                     |          |                      |                     |                 |                         |            |                        |
| 12       | 20       | STAT                      | 20                     | CLR  | ح)     | 285       | 15                   | 285            | 3CT                 | 1        | ١                    | 1018.5              | 84              | <u>፲</u>                | 37         | ૮                      |
| 13       |          |                           |                        |  |        |           |                      |                |                     |          |                      |                     |                 |                         |            |                        |
| 14       | 325      | 352                       | 349                    | Pecus  | 12     | 270       | C)                   | 210            | ンつる                 | -        | ì                    | 0.9101              | \$2             | 46                      | cs.        | γ,                     |
| 15       |          |                           |                        |  |        |           |                      |                |                     |          |                      |                     |                 |                         |            |                        |
| 16       | 2 20     | دلالان                    | 7                      | Perby  | 7 1    | 092       | 11                   | 0)2            | 275                 | 260      | 3                    | 1019.5              | 15              | ۲)                      | \$ 2       | T                      |
| 17       |          |                           |                        |  |        |           | ı                    |                |                     |          |                      |                     |                 |                         |            |                        |
| 82       | 700      | STATION                   | <u></u>                | Runy   | 9      | LIG       | क्षिम माध            | 8              | CAUM                | ١        | -                    | 8.8101              | us              | 48                      | ઉક         | 3                      |
| 9        |          |                           |                        |  |        |           |                      |                |                     |          |                      |                     |                 |                         |            |                        |
| 20       | 730      | 230                       | (%)                    | 74.054   | 9      | 162       | IT AIR               | S              | CAUM                | ١        | ١                    |                     |                 |                         |            |                        |
| 21       |          |                           |                        |  |        |           |                      |                |                     |          |                      |                     |                 |                         |            |                        |
| 22       | 385      | 28%                       | الره                   | Paro   | 0      | ארג       | 5                    | סרב            | 3LT                 | 360      | ч                    | 1020.0              | ۲               | ሪን                      | Firms      | n                      |
| 23       |          |                           |                        |  |        |           |                      |                |                     |          |                      |                     |                 |                         |            |                        |
| 24       | 50       | MAT                       | 20                     | CLR  | 10     | 310       | 01                   | 310            | 5cT                 | ١        | ١                    | 4.4601              | Լհ              | ベン                      | 57         | _                      |
|          |          |                           |                        |  |        |           |                      |                |                     |          |                      |                     |                 |                         |            |                        |
| <u>e</u> | STEAMING | TOTAL<br>STEAMING<br>TIME |                        | DISTANCE   |        | TOTAL     | FUEL OIL<br>CONSUMED | <sup>‡</sup> ₽ | FUEL OIL<br>ON HAND | -8       | LUB. OIL<br>CONSUMED | LUB. OIL<br>ON HAND | $\  -$          | FRESH WATER<br>CONSUMED | ⊩—         | FRESH WATER<br>ON MAND |
| å €.     | 3.5      | ğ                         | N C                    | 105.2  |        | 78.6      | 1                    | Ι,             | 74246               | <u> </u> | ě                    | 219                 | <u>'</u><br>  : |                         |            | 72750                  |
|          | 3        |                           |                        | THE STATE OF THE S | _1     | A C MILES | _                    | UAL.           |                     | Al.      | GAL.                 | )                   | GAL.            |                         | WAL.       | 100                    |

| STATION TIME          | 370  | DETENTION          | COMPASS   | )MG       | DRAFT   | FUEL OIL RECEIVED | LUB. OIL RECEIVED | PRESH WATER RECEIVED | ER RECEIVI |
|-----------------------|------|--------------------|-----------|-----------|---------|-------------------|-------------------|----------------------|------------|
| 10                    | ¥22  | HR. MH.            | GYRO      | DEPARTING | DHIADHY | מער               | GAL               |                      |            |
| TOTAL<br>STATION TIME | L    | TOTAL<br>DETENTION | STAND.    | PND.      | 'LAND'  | ₽dAL              | 34AL              | TREATED YES          | YES NO     |
| DAYS HAS.             | 2 S. | HA. MIM.           | DEV. AFT. | AFT.      | AFT.    | .00               | .00               |                      |            |

# POSITION BY OBSERVATION

| -EGENU 2 ELECTRONSC |
|---------------------|
|                     |

| TIME 0400 TYPE OBS. 2   |           | 1200 2   | TIME 2000         | TYPE OBS. | ત |
|-------------------------|-----------|----------|-------------------|-----------|---|
| LATITUDE 58 "28. I'N    | LATITUDE  | 58,44.2  | LATITUDE 54001.7  | ر         |   |
| LONGITUDE   50° 56.6' W | LONGITUDE | 150.52.8 | LONGITUDE 1510 18 | 8.3       |   |
|                         |           |          |                   |           |   |

# REMARKS

DOOB CAD ON DICK, 0200 14-14VZ 50 STA APY. J. WALL ON WATCH. MSS BAUNST AND MILLY ASSISTING WITH DECK OPS, CTD BOUND ON DECIL. 0250 SIT CRSS OBS FRUE @ 100 MMS FOR STA APS, 2329 BT ONLW 3 veil ets DRACHES. OZZE CTD ON DICK, 0237 SONGS DIPLOND, 0246 & SECURID. 0248 CTD ON DECK 0345 BRLIAND BY C/M 5.55446 BF 526.0 R.D. 0121 58cv23 2001 Pos: 58, 25.6 N 151, 32,0 W, 5 W, 1245 TO STRUMY PUNG # 1. oizy sertours obsortant a los mas far APM. 0203 Bronewe. CAST IN PROKARSS. UNDAWAY ON CAUST KMOBOG LEGZ, 6110 100 mms fer oute HAR TO & STA AP3. DOSA CTD DIPLOYING 0335 HAVETO @ APS. 0339 CFD DEPORTUD. 083 rave C SET CONST 20-04

4 0437 MANDELLYLEKING ON STA APLO. BT ON LINE. 0443 STAPPED ON STA L58°28.8 11 7 158°45.0 W 0550 0608 CTD IN SET CSE SAB'T 1/5 100 KPM . 070C HELLIATER, V. 0715 CTD A 178m. 0730 CTD ON THE WATER, V. 0715 CTD A 178m. 0730 CTD ON THE WATER, V. 0715 CTD A 178m. 0900-0800 I STAHL ON WATCH WITH ABS PERRY & MERRIMAN AT LEUM & LOSICUIT. Why AS ALT DECK REPORTS LIVE FOULED BENKED ON CARDEAU APPER STRUCTURE OF SHIP. CAPT. NOTIFIED. SET CSE 083°T, 100 KPM B.T. SECURED. - 0537 Boallad midelok edss livit clearced train strip. Osoż ctd ini watek. Osoj Ctd b. Osla ctd A. 86 m. 1/3 100 KDW. OBDI ALL STOP ON STA GPIA LS8" 32. 1'N 2150" 46. 5W IER. SET 036 348°T, 100 RPM. 0745 WATCH RELIEVED 184 3/M SCANLAND. eto an orch oszy bongo nets in watter 1.5 sag 40 6 293° pac GPTB L 58° 35, 35 d > 150° 41-98W). 0004 CTD IN THE WATER, 6399 CIT'S SECURED. CTO ON DECK. हिद्याहर

HYS WATCH PDS ITION FUR WELL DASH BIT ON LINE 0957 CTD GPG DPLYD AT S8 44.98 N 0539 OSOU-IADO E. SCANLAND ON WATCH W/ ABS GOODMAN AND WYLLE U/W AS ILS TO 100 RPMS, COURSE HEADING FOR SITE GRG. INCINERATION LIT OFF 0931. 0950 SLOW TO 5 100 RPM > 150 50.1 W 350°PSC HEADING FOR SITE OPS. 1050 SLOW TO SO RPMS 0814 CTD DPLYD S8° 40.18N 150° SO. W REPUSITION FOR BUNGO GPS TO ODO IT ORYG CONCO CPLOR DELYD S8º40.19N 150°52.8W 0913 BUNDO ON DECK. 0916 B/T SECURED. C/C 58"49 BN 50°51 & W. 1020, CTD ON DECK, B/T SECURED. Landand AN LINE 1102 CTD DERLYD AT 1130 B/T ON LINE BEFORE DEDY BIT ON LINE RELIEVED BY AIM I WALL GPBB ON DECK. ON DECK 355° P10C 5

1520 BTONLWZ, 1525 HAUS TO BONKS ON DECK, 1278 SIT CODS; DIS THIE BO BOMS DZPLOY 1239 RESCUE BUTT TARM MUSTERLY 3103 MATE INSTRUCTING CROW IN LIFE PAFF STUDIMUE. SCI PATTY MUSTARIA, CIM WSTAVETING IN ASMOUN SWP PROCEDURES AND Ŝ 1245 SCC123 From Daires, 1305 HANETO STA APH, 1250-1315 CREW 1237 SOUND SIENALS FOR CTS DPOLOTY. 1452 CTS ON DECK THE DOWNY TRAWING MERTING W CONFRENCE ROOM, CONDUCTUD BY CAPIT DRIWING, TOPICS; DOWN 1527 CTS DIPLOYID. 1552 CTD ON DELIC RELIGIOS AT CIM 5. STANL ASSISTING W/ DECK OPS. MY SAFIN FR SOA APH. 1210 SOUNDIN STANALS FOR FIRE/AMPLEMY DEILL 1236 BRIDGE 525 522 SCI PARCY INSTANCTUS IN AMMINIST AND TESTIVE PROCESURES AND CHAIN GINDER 1358 LIFEGACRITS, HUSS TRAMS INSTRUCTION WITHIRE BUTILES 40.2 J. CALL ON WATCH. AGS BRUNST AND MILLY 35 SECURD. 4P-3.1432 SrA ואצר גור כפית באב דמיב ל יסם תפי בית AND SCI PLATED FULLY MUSTRAD And For 4P-3. 1430 1/2012 70 @ STA SFA 4PS, 1227 e 1355 からいる DON SHIP DRICK. Bowho @ 1203 @ STA 6P.2. 91-21

A Sallem To 100 121/A ale to 260° kgc. 1908 ale to 255° kgc. 1911 ale to 250° kgc. 1917 ale to 220° kge 1975 ale to 210° BEFORE, 1600 BONGO NET TOO IN WATER. LDG 760 PCC, 1.5 KTS. 1672 BONGO ON DECK. 1673 SET USE ON5°T, 1/5 TO 100 KPM. 1703 ALL 5TOP ON 5TO, COMMUNICE CTO CAST 6P-01 (AL 59°06.00'N) CTO NATHEWARTER. 1820 CTO DAI DECK. 1837 1/5 TO SOR KAM. C/C TO 229°T. 1838 1/5 TO 100 RPM. 1904 1600-2005 J. STALL ON MATCH WITH ABS PERRY & MICKRIMAN AFT AT WINCH (CRANE: UTIL 45 . 1938 A/C TO 730° PGC 185° PSC . 1945 WATCH KELLEVED BY 3/M SCANLAND

BIT ON LINE AS BEFORE C/C TO A 30° PGC 243° PSC. 2121 C/C TO ASS° I ASS' PGC A10 PSC 2000-2400 E. SCANLAND ON WATCH WABS WYLLF AND GOODMAN, ULM 2035 C/C TO 000° T 002 PCC 359 PSC A335 SLOW FOR CTD SITE KEI, Acanland RELIEVED BY A/M J. GALL. ? 2345 WATCH 3005

Jan Jan

730 DATE +8(0) ZONE DESCRIPTION

BERTH

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1cm 03cg ATON CRUISE

# WEATHER OBSERVATIONS

| TIME       |          | COURSE   |                        | HEN      | YTI3     | W       | WIND                 | SEA                | ₹:                  | SWELL    | <u>ור</u>            |                     | TEMP.    | <u>a:</u>               | CL0          | CLOUDS                 |
|------------|----------|----------|------------------------|----------|----------|---------|----------------------|--------------------|---------------------|----------|----------------------|---------------------|----------|-------------------------|--------------|------------------------|
| NO2        | TRUE     | GYRO     | STAND.<br>OR<br>STEER. | TABW     | IBISIA   | DIRECT. | FORCE                | DIRECT.            | CONDIT.             | DIRECT.  | неюнт                | BARO.               | DAY      | WET                     | TYPE         | AMOUNT                 |
| 10         |          |          |                        |          |          |         |                      |                    |                     |          |                      |                     |          |                         |              |                        |
| 20         | 20       | 3575     | 70                     | Peusy    | 0,       | 0k2     | 19                   | 240                | SLT                 | 1        | 1                    | 1022.7              | <u>)</u> | 43                      | As           | 3                      |
| 03         |          |          |                        |          |          |         |                      |                    |                     |          |                      |                     |          |                         |              |                        |
| ই          | S        | SCA 5162 | 3                      | Peusy    | ٥        | 255     | 18                   | 552                | 217                 | ١        | ,                    | 1025.6              | 4        | 50                      | 45           | 8                      |
| 05         |          |          |                        |          |          |         |                      |                    |                     |          |                      |                     |          |                         |              |                        |
| 8          | ON       | STATION  | No                     | Peley    | 2        | 240     | 8)                   | 240                | SLT                 | ١        | 1                    | 1023.3              | 44       | 43                      | A5 C3        | 5                      |
| 07         |          |          |                        |          |          |         |                      |                    |                     |          |                      |                     |          |                         |              |                        |
| 8          | NO       | STATA    | ١                      | NST      | و        | 240     | 22                   | 3                  | St                  | 1        | 1                    | 1624.0              | 43       | 42                      | 1851         | 0                      |
| 8          |          |          |                        |          |          |         |                      |                    |                     |          |                      |                     |          |                         |              |                        |
| 10         | οN       | STAT     | 100                    | ברשא     | ø        | 335     | 4                    | 235                | SLT                 | )        | 1                    | 1025.5              | ۲        | 5 7                     | 5            | 4                      |
| 11         |          |          |                        |          |          |         |                      |                    |                     |          |                      |                     |          |                         |              |                        |
| 12         | 00       | STAT IBN | S                      | CCDX     | B        | 240     | 35                   | 970                | 36.7                | 1        | 1                    | 1025.3              | 87       | エア                      | 5.ER         | 80                     |
| 13         |          |          |                        |          |          |         |                      |                    |                     |          |                      |                     |          |                         |              |                        |
| 14         | 040      | 090      |                        | CLDY     | B        | 260     | 16                   | 260                | るとイ                 | ,        | ι                    | 1-9201              | 두        | 45                      | CS           | 8                      |
| 15         |          |          |                        |          |          |         |                      |                    |                     |          |                      |                     |          |                         |              |                        |
| 16         | 143      | 139      | 113                    | CUSY     | ō        | 320     | 21                   | 320                | 612                 | 340      | М                    | 1025.8              | 25       | 16                      | cs           | ဆ                      |
| 17         |          |          |                        |          |          |         |                      |                    |                     |          |                      |                     |          |                         |              |                        |
| 18         | 791      | 191      | 130                    | Trans    | 2        | 320     | Å                    | 320                | RIP                 | 190      | 4                    | 1025.0              | is       | æ                       | CS P2        | ٥                      |
| 19         |          |          |                        |          |          |         |                      |                    |                     |          | Ţ                    |                     |          |                         |              |                        |
| 8          | 191      | 165      | 133                    | OCST     | 20       | 17.14   | AIRS                 | CALM               | ı                   | 9        | 2                    | 1075.0              | 49       | 43                      | S<br>S       | 9                      |
| 짇          |          |          |                        |          |          |         |                      |                    |                     |          |                      |                     |          |                         |              |                        |
| 22         | 0 N S    | STAT 1   | 20                     | 594      | Ø        | 250     | S                    | 1                  | RIP                 | 920      | W                    | 1025.0              | 7        | 9                       | ગુ           | 9                      |
| 8          |          |          |                        |          |          |         |                      |                    |                     |          |                      |                     |          |                         |              |                        |
| 24         | δ<br>5   | STAT!    | Š                      | 200      | þo       | 235     | 4                    | 1                  | ١                   | ١        | ı                    | 10a4.5              | 50       | ۲                       | ι            | 2                      |
|            |          |          |                        |          |          |         |                      |                    |                     |          |                      |                     |          |                         |              |                        |
| *          | STEAMING | STEAMING | 78.                    | DISTANCE | $\vdash$ | TOTAL   | FUEL OIL<br>CONSUMED | 일                  | FUEL OIL<br>ON HAND |          | LUB. OIL<br>CONSUMED | LUB. OIL<br>ON HAND |          | FRESH WATER<br>CONSUMED | <del>-</del> | FRESH WATER<br>ON HAND |
| <u>इ</u> a | S E      |          | ~<br>200 €<br>200 €    | 143.9    | 100      | 3226    | 1                    | <del>.      </del> | 72354 2             | <u> </u> | \\ <b>x</b> 2        | 612                 | <u> </u> |                         |              | 709C                   |
| ╧          |          |          |                        |          | 168 1    | MERS    | _!!                  | 41                 | 3                   | , I      | 1                    |                     |          |                         | and.         |                        |

LUB. OIL RECEIVED

POSITION BY OBSERVATION

LEGEND 1 CELESTAL

| TIME 0400 TYPE 08S. 7 | 1200 2               | TIME 3.000 TYPE OBS. |
|-----------------------|----------------------|----------------------|
| LATITUDE 54 03.6'N    | LATITUDE 58'42.3 M   | LATITUDE 576 38.3 N  |
| LONGITUDE 152° 14.5'W | LONGITUDE 152 24.9 W | LONGITUDE (5104.8 W  |
|                       |                      |                      |

### REMARKS

STA ICE 2, OUYZ CTS BIPLOYYS. DIDI CTS DISCUL, DIOZ STT CRSE 2356 (30) CID DEPLOYID. DOIY CID ON DICK, DOIS SIT CASE 208 TANK FOR STA KEZ. HAVE TO @ STA KES, 0135 CTD BURGALD, 0165 CTD 172912 TO @ SEA KR 4. 0226 0001 POS: S9 14,0 N 152,01,9 W, SWITCHTS TO #2 ST&MUS PUMOS. OF STA 168 1. Br stenands. 0311 SIR CRSS 209° Tranz For STA 1695, 0339 MANZ TO P. 0307 BONGO BY ONLW?, OBYZ CTS DYLOND, OBYS RICHAUS BY CIM J. STAML UNDERWAY ON CRUISE KMOSOG LEG 2 HOVE TO IN VICINITY からいかな Bound FOR 1524. CTD DECOUNTY, OZYT CTS ON DECK, OZSZ 209.4475 435 522CC 3157 57 CSOURSE 1623, שמש בחשב בחש בנים 0038 HAVE TO @ のとしいろん

5726 CIC TO 1804. 0737 CIC TO 1304. 0748 ALL STOP ON STA SET. WATCH KELIEURD BY 3/M. SCANLAND. WATER HOG 240°T, SPD 2.0-28 KTS. 0525 BONGO ON DECK. 0576 SET CSE 220°T, 1/5 100 KPM. 162 17.91 is . Ober 170 A 71m. Ob22 at on Deak. Ob23 Set OSE ob46 Hind Pt. USHAGAT 1. \$ 124°T, 2.5Nm, C/C-TO 230°T. Ob35 0657 clc to 180°T. 0721 SW. PT LISHAGATI. 0 058°T, 2.15NM, Clc TO 150°T. 0400-0800 J. STAHL ON WATCH WITH ABS PERRY & MERRIMAN AFT AT CRANE & WILLOLL. WIN AS L59°61.099'N X 152°14.1166 W, CTD IN THE WATER, Y. 0503 CTD ON DECK. 0509 BONGO IN THE 0546 ALL 9708 0551 1/3 75KPM, HOG 230° PGC. CLOOI ALL STOR ON STAKET, 0603 CTD IN THE BEFORE. 0405 CID ON DECK. 6408 SET CSE 210'T, 1/5 100 RPM. 0441 ALL STOP ON STA KEB: WATER LS8'58 93'N 2 152'17.91'U 1/3 100 Rpm. 200°T C -10

CTD 5£1 DPLYD 58"49 107 N 152" 20, 28 W. CTD ABOARD 0831, 0836 I/S 0755 B/T ON DRLYD 58°47, 02 N 152°21. 16 W TO 130 MTRS, ORDY CITD ON DECK, B/T SECURED 013 150 I/S TO 80 TO 100 RMM, C/C TO 200°T 220°PCC. 171°PSC. HEADING FOR SITE SEZ. 0908 CTD SEZ 152 23.54 W TA REPOSITION FOR BONGO SEY 1135 WATCH RELIEVED BY 1028 CTD 5E3 DP1.9D 100 RPMS BONGO NET TOW DRUYD 58° 47,05 N 152° AL. 4 W. MYG ON DECK, 0954 0800-1200 E,SCANLAND ON WATCH W/ ABS WYLLE AND GOODMAN. HEAD SOUTH AT N EE C/c TO 182°T 188°PGC 148°PSC, 1012 B/T ON LINE 1115 CTD DPLYD AT 58º 42. 1045 CTD ON DECK. Granlan 58° 44. 62 N 152° 22. 68 W. TO POSITION. ON DECK 1132 S1.0W A/M J. GALL 0811 DECIBARS.

1415 AW # 1,3 4 ONCINE 12-16 JOACH ON WATCH. ABS BOUNST AND MILLY ASSISTIMY WITH DIELL OPS. 1140 BONGO 1545 525 CR52 1940 INCINEMATOR LIT OFF. Browny. 1154 Bowing ON STEK. 1155 STE CAST 210" TAUL FOR STA KAS 1001 CT SMOD CTD ON DECK. いない 1243 INVENSE RPAS TO 125, 1420 C/C TO 143 TAJE Tade @ BO MAS, 1255 c/c To 090" TANE 525 CTS DIPLOYED P. PRILITY ST 6/M J. STAML 1228

to Stell clu 1600-2000 J. STAHL ON WATCH WITH ARS PERRY "MEKRIMAN AT WELM & LONKOUT ULU AS KEFOKE. 1633 SEA LION KK & 269 t, 9,9 Mm, C/C TO SEA 162 PCC 130,18C. B. 1904 A/C TO 165 PCC, 133° 18C. 1945 WATCH RELIEVED BY 3/m SCANLAND

N 10.05 2054 I/S 2300 C/C 2342 WATCH RELIEVED 2205 PROCEED TO SITE LAA-7 IN 2025 BIT ON LINE, SLOW FOR STATION CBA-9. 2035 #3 M/E SECURED 2000-2400 E. SCANLAND ON WATCH WIABS GOODMAN AND WYLIE. UIW AS BEFORE TO 237 T 240 PEC 2010 PSC. 2138 CTD CBA-8 DPLYD AT 2245 CTD CBA-7 DRID TO 219 I I/S TO 40 RPMS FOR STATION CBAG 2326 CTD (BAGDOLYD AT 2038 CTD CARA DPLYD TO DEPTH 77 DECIGARS, 2052 CTD AN DECK.
TO 188 RPMS, C/C TO 237 T 240 PEC 201 PSC. 2138 CTD CAR -8 DPLYD DEPTH OF SE DECIRARS AT 57°27, 29 N ISI° 16.38 W. 2259 ON DECK 2157 BUNGO DILYD AT 51° 25. TIN 151° 18. 62 W TO DEPTH OF 100 DECIBERS. COURSE OF ABOUT ABOUT 179° PSC AT 100 RPMS. 57°30. N 151°10. W. TO 2152 CTD ON DECK. 151° 10.3 W. 2204 BUNGO CBA-8 ON DECK 2 Acamband a/m J. WALL

ZONE DESCRIPTION + 6 (U)

FRI DATE

BERTH

2003

لهدد ددم 16m0309 AT/ON CRUISE

WEATHER OBSERVATIONS

| TIME |          | COURSE                    |                        |                  | ΥШ     | W            | WIND                 | S       | SEA                 | MS      | SWELL                |                     | TEMP.       | Ē.                      | 3         | CLOUDS                 |
|------|----------|---------------------------|------------------------|------------------|--------|--------------|----------------------|---------|---------------------|---------|----------------------|---------------------|-------------|-------------------------|-----------|------------------------|
| ZONE | TRUE     | GYRO                      | STAND.<br>OR<br>STEER. | TABW             | IBISIA | DIRECT.      | FORCE                | DIRECT. | CONDIT.             | DIRECT. | HEIGHT               | BARO.               | DRY<br>BULB | WET                     | TYPE      | AMOUNT                 |
| 9    |          |                           |                        |                  |        |              |                      |         |                     | :       |                      |                     |             |                         |           |                        |
| 05   | \$ 40    | KAT CON                   | 7                      | 6124             | ō      | 240          |                      | 240     | 267                 | Scivo   | 7                    | 1.420               | Ç           | ۲۸                      | SONO      |                        |
| 03   |          |                           |                        |                  |        |              |                      |         |                     |         |                      |                     |             |                         |           |                        |
| 8    | 2 20     | STA TON                   | ے                      | Scrat.           | ō      | 210          | 21                   | 240     | 25                  | Slows   | 2                    | 1023.7              | رز<br>5     | 45                      | ا<br>ا    | 5                      |
| 92   |          |                           |                        |                  |        |              |                      |         | iii                 |         |                      |                     |             |                         |           | ,                      |
| 8    | No       | STAT                      | Įνα                    | DCST             | 10     | 255          | 60                   | 255     | RIP                 | 140     | 3                    | 1022.6              | 41          | 46                      | As        | ٤                      |
| 07   |          |                           |                        |                  |        |              |                      |         |                     |         |                      |                     |             |                         |           |                        |
| 90   | Na       | ALL'S                     | non                    | OC-ST<br>DRIPELE | ۍ      | 11811        | T AIRS               | S       | Simonal             | 190     | 4                    | 1022.2              | 41          | 46                      | As Se     | 0)                     |
| 60   |          |                           |                        | -                |        |              |                      |         |                     |         |                      |                     |             |                         |           |                        |
| 10   | 52       | ٦                         | 43                     | DRUTE            | و      | 290          | ø                    | 290     | RIP                 | 190     | 7                    | 1022.2              | ۲۲          | 45                      | A5 5C     | 0                      |
| Ξ    |          |                           |                        |                  |        |              |                      |         |                     |         |                      |                     |             |                         |           |                        |
| 12   | 306      | 308                       | 497                    | DK15.            | 9      | 240          | 10                   | 390     | RIP                 | 190     | W                    | 1020.5              | ב           | 45                      | 37        | 0                      |
| 13   |          |                           |                        |                  |        |              |                      |         |                     |         |                      |                     |             |                         |           |                        |
| 14   | べり       | とくている                     | 7                      | 0c3 T            | 10     | 295          | 90                   | 562     | らいり                 | 200     | S                    | C. 9101             | 0,5         | ۲,                      | 1-10      | ٩                      |
| 5    |          |                           |                        |                  |        |              |                      |         |                     |         |                      |                     |             | =                       |           |                        |
| 16   | 30       | פראדיפא                   | ځ                      | כרסא             | 12     | 360          | 1.2                  | 300     | 214                 | 200     | >                    | 1018.2              | 53          | 4.8                     | \$ c\$    | و ا                    |
| 17   |          |                           |                        |                  |        |              |                      |         |                     |         |                      |                     |             |                         |           |                        |
| 18   | Jua      | STAT                      | Jun 1                  | RUDY             | 12     | 305          | 14                   | 308     | SLT                 | 200     | 4                    | 5.9laj              | ાડ          | 49                      | St. Ac    | 3                      |
| 19   |          |                           |                        |                  |        |              |                      |         |                     |         |                      |                     |             |                         | ·         |                        |
| 22   | E        | 5                         | Tigy.                  | 3                | 7      | 305          | 14                   | 205     | SCT                 | 097     | 4                    | 5.9191              | ટક          | 49                      | F.        | _                      |
| 2    |          |                           |                        |                  |        |              |                      |         |                     |         |                      |                     |             |                         |           |                        |
| ដ    | J.       | गमग                       | 200                    | CLR              | حا     | 300          | 7                    | 300     | 5ct                 | 200     | h                    | 0.1701              | Ьh          | 9                       | 5T        | ત                      |
| 23   |          |                           |                        |                  |        |              | 1                    |         |                     |         |                      |                     |             |                         |           |                        |
| 24   | 200      | 198                       | 158                    | CLR              | 4      | 310          | ۲                    | 1       | らして                 | ļ       | 1                    | 1016.3              | 49          | 45                      | 57        | ત                      |
|      |          |                           |                        |                  |        |              |                      |         |                     |         |                      |                     |             |                         |           |                        |
| 18   | STEAMING | TOTAL<br>STEAMING<br>TIME | IIKa IIKa              | DISTANCE         | _      | TOTAL        | FUEL OIL<br>CONSUMED | 프       | FUEL OIL<br>ON HAND |         | LUB. OIL<br>CONSUMED | LUB. OIL<br>ON HAND |             | FRESH WATER<br>CONSUMED |           | FRESH WATER<br>ON HAND |
| HR8. | IS.      | DAYS HRS.                 | ۱ سالا.<br>۲ مرک       | 67.7 MILES       | l .    | 390, 2 MILES | 1345                 | A P     | , 6001F             | 8       | Ø an.                | 612                 | GAL.        |                         | DAL. 7078 | 9,6<br>0.AL            |

| STATION TIME          | DETENTION | COMPASS   | DRAFT     | Ę        | FUEL OIL RECEIVED | LUB. OIL RECEIVED | FRESHWA |
|-----------------------|-----------|-----------|-----------|----------|-------------------|-------------------|---------|
| 17 30                 | ₹.<br>Ā   | очно      | DEPARTING | ARRIVING | OAL               | GAL.              |         |
| TOTAL<br>STATION TIME | TOTAL     | STAND.    | FWD,      | FWD      | TYPE              | TYPE              | THEATED |
| SY 22 1               | HA.       | DEV. AFT. | AFT.      | AFT,     | CO.               | .00               |         |

POSITION BY OBSERVATION

LEGEND 1 CELESTIAL 3 VISUAL LEGEND 2 ELECTRONIC 4 D.R.

| LATITUDE 57° [6.8'N] LATITUDE 57.39.5 A LATITUDE LONGITUDE 151° 25.5 W LONGITUDE | TIME 6400 TYPE     | TYPE OBS. 2 |           | 1200 2      | TIME      | TYPE OBS. |
|--|--------------------|-------------|-----------|-------------|-----------|-----------|
| 151° 57.1'W LONGITUDE 151" 25.5 W  | LATITUDE 570 16.81 | N           | LATITUDE  | 57.39.5 N   | LATITUDE  |           |
|  |                    | 14, 1       | LONGITUDE | 151° 25.5 W | LONGITUDE |           |

# REMARKS

ODUS SET CRSI 215'T FOR STA CBAS. COLT HAVE TO B. STA CBAS, UDZE CTD DIRONA. oool Bougo and BICK. 0330 Bowho on Bzcil 2347 ST SCOURD. 2348 BONGO DEPOSITY. TO @ STA CBA 2 CRA 3, 0221 ST ONCWR いるとれ POS: 57°25.3 & 151° 19.1 W, SUITCATS TO STANING PUMS #1. 4 554 C843 5217 HAVE TO 6 554 C # 1/4 outing. 0301 Swaho Darwy. 0236 CMS ON DECK. 0237 STT CASE 225° T FUZ CBA 2. 52005 124 2. CTD DIPLOYUS, O316 CTD ON DECK, O321 0202 515 CRIL 2082 F FR STA CRA 3. 525 OZZ Promars. 2345 (01) CTD ON DECK. CON138 1CM0309 on water א שברור, ססאם 0115 CTD BROAMS. 0136 UNDERMAY ON

# J. STAML Recieved By clm 5345 STA 525 CRSZ 236 T FOR

WILL AS BEFORE. 0355 STOPPED IN STATUM CBAT: L51°16.716.716.7151°37.466 W. - CTD IN THE WATER. OATI CTD ON DECK, MAY DEPTH GOW. OAT 4 CSE 345° PGC, 1/5 100 KPM. OSOS ALL STOP ON STA CBB1: L51°22.67N 2.151°42.98 W. CTD IN THE WATER, J. 0522 CTD ON DECK, MAY DEPTH 64M. 0523 CSE 045° PGC, 1/5 TO MAR DEPORT 123M. CSE 048°T, 040°PGC, 15 100 RPM, 0745 HOVE TO ON STA CROBS. WATCH RELIEVED.

BY 3/M SCANLAND. od Deck, mAN DEPTH 65m. CSE 047°T, 1/5 100 RPm. 0630 ALL STOP od STA CBB3 L57°26.42'A N151° 0400 -0800 J. STAHL ON WATCH WITH ABS PERRY FINERRIMMAN AT CRANE & WINCH & LODKOLT & HELM. 0550 ALL STOP ON STA CBB2, L57" 24.89 N 2 151" 28.54 W. CTD IN THE WATER J. 0605 CTD 35.44 W. CID IN THE WATER. D645 CID ON DECK, MAX DEPTH 65M. O646 CSE 041"T, 1/5 100 RPM C105 HOVE TO ON STA CBE4, L 51"28.03" N N 151° 32.72 W. OTD IN THE WATER, J. 0727 CID ON DECK,

0500-1300 E STANLAND ON WATCH WARD WYLIE AND BOODMAN, CTD CBBS DRUYD 1103 CTD CBB9 DPLYD AT 51° 36N 151°13 W. 1114 CTD ON DECK. 1119 B/T SECURED OTY & AT POSITION 57 AS AS N ISI 30, 49W TO DEPTH 155 DECIBARS, 0810 ON DECK. C/C TO YET 43 PEC 39 PSC AND 100 RPMS HEADING FOR SITE CBBG CBBS 52 47" PCC D835 CTD CBBO DRYD AT 51°30.67N 151° AB.18W TD 140 DEC. 0855 CTD ON 1016 CTD CBBS DPLYD AT 57°34.3 N 151° 21 21N TO 68 DEC. DECK. REPOSITION 1. 2 NM AWAY FOR SITE CBBT, OADA CTD CBBT DPLYD AT 56°T 55°PGC 51°PSC AND 100 RPM. TO 5.17E. CBB9 MAS COURSE 306"T 308" PLC AGT" PSC AND 100 RPM . FINROUTE TO 57°31.5 N. 151°26.6 W. ON DECK 0935, 0938 ENROUTE TO SITE E transand MATCH RELIEVED BY ALM J. CALL COURSE 1029 CTD SECURED 100 RPMS

1545 RELIGIOUS RY C/M J.STAILL 12 16 J. WALL ON WATER ARS BRUNST AND MICHAL AT LAZLA/ COSICOUT. U/W TO STA CRCG MACFUNCTION RYOUTHD. STANDING BY. CTD WINCH C&C 9. 1240 27.00 1250 DESCISION MADE TO REFERENCE ATTE 1236 NTGUE TO G. SCA AS BYGRE.

1917 CTD DADECK. CSESET: 710°T, 1/5-TO 100KPM. 1931 HAVE TO DAJ STA CECEL 57° 36.73°N N 151° 43.70°W. CTD IN THE WATTER. 1945 WATCH RELIEVED BY 5/M SCANLAND LO STALL SECT COMMENT 1817 HDG 2015 & SPD 7.0-3.0 KTS. 18 BENGO IN WATER. 1823 BENGO ON DECK. 1824 SET 136 204° I 1/5 TD 100 RPM. 1857 HONE TO ON STA COCT, 157° 26.94" N X 151° 41.36 W. 3/M VIS. INSPECT RD PEFORE. D. I. W. . I boo manterviewing to Retain to 8th HOG 205°T, 15 to 50 RPM, ibis All STUP. INSPECTIONS IAW 46 CK 199.190. 1622 SET HOG 270°T, 1/3 TO 100 KPM, 1633 C/C TO 110°T, R/3 TO 50 RPM. 1652 HOVE TO ONLSTATION.
1707 CTD IN THE WATER COCY LST 42.02 IN > 151°34.36 in. 1726 CTD ON DECK. 1721 SET CSE.
215°T, 1/5 100 KPM, 1752 Hove to ONLSTATION COCO LST 40.25°N > 151°37.97°N. 1810 CTD ONLDE 1600-2000 J. STAHL ON WATCH WITH ABS PERRY & MERRIMAN AFT AT WINCH & CRANE. WIN 45 LIFERAFTS AND LAUNCHING APPARATUS, RESCUE BOAT SHAWED OVERHEAT PLAKM AFTER S MINUTES IN NEUTRAL.

T, SPD 100 RPMS ON DECK. C/C TO BOY T BOT PLC 165 PSC AND I/S TO BORPMS FOR SITE CACED ASS CTD COCS DPLYO AT 51° 30, ABON SI 49,01 W TO 89 DECIBARS A 315 BONGO ON DECK ( 115 MTRS WIRE PAID OUT ), 1956 BONGO CBCO DILYO AT 57° 35,44 N ENGINEER REGUEST, HEAD SOUTH DISITE CBCY, 2205 B/T ON LINE 2000-2400 E. SCANLAND ON WATCH W/ ABS WYLLE AND GOODMAN. 1947 CTD CTO CECY DPLYO AT 51° 31.79 N. 151° 47.02 W. TO 128 DECIBARS. 2123 CTD 2010 BONGO ABOARD. 2015 CIRCLE PROUND A FLUAT THOUGHT TO 143 DFC A30°T FOR SITE 57°33 x3 N 151°45.06 W. 2134 BONGO ABOARD, 2140 B/T SECURED PER tranland TO RPMS, 2050 CTD CACS DRIYD AT 51°33. NIN ISI°45.04 W TO 143 CTO OCK. HEAD SOUTH 22NM TO STIP COCY " SILLO BANCO DILYD DPLYD AT 51° 30.39 N 151° 49.1 W. 2326 BONDO ABOORD. SET (OURSE, 193 2030 RESUME LINE CA. A341 WATCH RELIEVED BY ALM J. MIDSING SCIENTIFIC WEAR. 151° 43.4W

+8(0) ZONE DESCRIPTION

2003

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SAT

DATE

BERTH

AT/ON CRUISE

KM 0309 FOCI (EL 2

# WEATHER OBSERVATIONS

| 2004 TRUE GYRO STRERA E E DIRECT. FORCE DIRECT.  10 000 000 356 CLR 10 315 13 315  10 000 001 STRTINI CLR 12 730 10 730  10 000 055 050 CLR 12 730 10 730  11 000 055 050 CLR 8 350 10 350  11 000 055 050 CLR 8 350 10 350  11 000 055 050 CLR 8 350 10 350  11 000 055 050 CLR 8 350 10 350  11 000 055 050 CLR 8 350 10 350  12 024 025 023 CLR 8 350 10 350  13 00 STATION PULDY 12 140 07 140  14 000 STATION PULDY 12 180 07 180  20 07 07 060 060 ULDY 17 180 07 180  21 00 STATION PULDY 10 120 7 130  22 00 STATION PULDY 10 120 7 130  23 51 49 45 ULDY 10 120 7 130   | PINE 10 240 12 12 12 12 12 12 12 12 12 12 12 12 12 | 315<br>315<br>240<br>250<br>250 | 265 UNDS SLE UNDS RIP 180 RIP 180 CALM 190 | 1.0 S O O O O O O O O O O O O O O O O O O | 1016 of 1016.7 1016.8 1013.8         | 49 44 44 44 44 44 44 44 44 44 44 44 44 4          |   | 1 TYPE   | AMOUNT                 |
|--|--|---------------------------------|--|---|--------------------------------------|---|---|----------|------------------------|
| 000 000 356 CLR 10 315 13 3 00 5mrwl CLR 12 780 10 3 00 Smrwl CLR 12 780 10 3 000 Smrwl CLR 12 780 00 11 000 Smrwl CLR 12 780 10 3  | 2 292 21 2 292 21 2 292 21 2                       | 315 082 240                     | <del></del>                                | m 1 3 6 9                                 | 1016.4<br>1014.2<br>1013.8<br>1013.1 |   |   | 1 1      | u ,                    |
| 000 000 356 CLR 10 315 13 3  00 STATON CLR 12 280 10 3  00 STATON CLR 12 280 10 3  00 STATON CLR 12 265 00 1  00 STATON CLR 12 160 09 1  00 STATON CLD 10 180 07 1  00 STATON CLD 10 120 9 1  00 STATON CLD 10 120 9 1  01 066 060 CLD 17 17 180 07 1  01 066 060 CLD 17 17 180 07 1  01 066 060 CLD 17 17 180 07 1  01 066 060 CLD 17 17 180 07 1  01 066 060 CLD 17 17 180 07 1  01 066 060 CLD 17 17 180 07 1  01 066 060 CLD 17 17 180 07 1  01 066 060 CLD 17 17 180 07 1  01 066 060 CLD 17 17 180 07 1  01 066 060 CLD 17 17 180 07 1  01 066 060 CLD 17 17 180 07 1  01 066 060 CLD 17 17 180 07 1  01 066 060 CLD 17 17 180 07 1  01 066 060 CLD 17 17 180 07 1  01 066 060 CLD 17 17 180 07 1  01 067 07 17 17 180 07 1  | 262 23 242 12 2862 12 2802 21 27                   | 315 280 280 280 280 280         | <del></del>                                |   | 1016.4<br>1014.2<br>1013.8           |   |   | 1        | ١                      |
| 001 STATION CLE 10 290 10 20 10 20 10 20 10 20 10 20 10 20 10 20 10 20 10 20 10 20 10 20 10 20 10 20 10 20 10 20 10 20 10 20 10 10 10 10 10 10 10 10 10 10 10 10 10  | 262 01 7   | 350 082                         |  |   |                                      | <del>                                      </del> | <del>                                      </del> | 1        |                        |
| 00 STRTING CLR 12 290 10 30 000 100 000 000 000 000 000 000  | 282 232  | \$320 082                       |  |   |                                      |   | <del>.     .    </del>                            | 1        |                        |
| on STATION CLR 12 280 10 2  obs obs obs obs clay 10 180 09 1  on station feer 10 180 09 11  on station feer 10 180 07 11  on station feer 10 120 9 1   | 262 21 280   | 250                             | 7 7 7                                      |   | 1014.2                               | <del>                                     </del>  |   | -        | ι                      |
| on State (LIR 12 280 10 2 200 00 224 025 050 228 8 250 10 2 200 000 000 000 000 000 000 000 0  | 2 12 280   | 250                             |  |   | 1013.8                               | <del>                                     </del>  | -, - -  |          |                        |
| 060 055 050 226 8 250 10 2 024 025 023 226 8 215 6 2 024 025 023 226 8 215 6 2 024 025 023 226 8 215 6 2 025 025 023 226 10 16 04 11 166 06 060 010 17 180 07 11 180 07 11 190 08 11 11 180 07 11 18 | 12 265   | 250                             |  | 1000                                      |                                      | <del>                                     </del>  | +   | ر ع      | _                      |
| 060 055 050 EEE 8 250 10 20 24 025 020 EEE 8 250 10 2 20 24 025 023 EEE 8 250 10 2 20 10 20 20 10 20 20 10 20 20 10 20 20 10 20 20 10 20 20 10 10 10 10 10 10 10 10 10 10 10 10 10   | 12 265   | 250 250                         |  | 2 0 0                                     |                                      | 1 1   |   |          |                        |
| 060 055 050 EEE 8 250 10 20 24 025 023 EEE 8 215 6 2 20 10 20 20 10 20 20 10 20 20 10 20 20 10 20 20 10 20 20 10 20 20 10 20 20 20 20 20 20 20 20 20 20 20 20 20   |  | 85 6                            | 5-   | - 5                                       | 1013.1                               |   | 4   | 1        |                        |
| 060 055 050 CLR 8 250 10 2 024 025 023 CLR 8 215 6 2 024 025 023 CLB 8 215 6 2 025 025 023 CLB 10 180 09 11 02 025 150 09 11 02 025 150 09 11 04 05 060 CLB 17 180 07 11 050 057ATION PCLD 17 180 07 11 050 057ATION PCLD 17 12 180 07 11 050 057ATION PCLD 17 120 9 11  |  | 200                             | مَ   | 0 0                                       | 1012.1                               | $\neg$  | $\dashv$  |          |                        |
| 024 025 023 three 8 215 6 2 025 023 three 8 215 6 2 025 023 three 10 160 09 11 025 023 three 10 160 09 11 026 066 060 100 12 17 025 199 45 three 10 120 9 11   | 8 250 1  | = ;                             |  | 8   |                                      | -   | 22  | ن        | _                      |
| 024 025 023 1212 8 215 6 2 004 10 004 10 160 09 11 00 051 10 150 09 11 001 001 001 10 100 001 10 100 001 10 10   |  | l.                              |  | 2   |                                      |   |   |          |                        |
| on station fless 10 180 09 11  on station fless 12 150 09 11  on station fless 17 180 07 11  on station fless 10 120 7 1  state on fless 15 150 09 11  | 8 215  | 212                             | CAMAO                                      | 1   | 1010.9                               | 2 1 %   | ر.<br>م   | 57       | _                      |
| 000 STATION PUDY 12 180 09 11  001 066 060 CLDT 17 180 07 11  001 STATION PUDY 17 180 07 11  001 STATION PUDY 17 180 07 11  51 49 45 CLDY 10 120 9 11  |  |                                 |  |   |                                      | 1   | -   | $\dashv$ |                        |
| 000 SFARTION FLLDY 12 150 09 11 10 10 10 10 10 10 10 10 10 10 10 10  | 10 180   | 0.81                            | R.P 19                                     | 6   | 10001                                | 3   | 3   | 3        | 7                      |
| on space of read is 150 09 19  on station puby 12 140 67 19  on station puby 10 120 7 1  secon on station puby 10 120 7 1  secon 625 49 45 225 10 120 9 13   |  |                                 |  |   | :                                    |   |   |          |                        |
| 011 066 060 clby 12 140 07 190 071 10 000 startion occor 10 120 7 1 180 07  | 150  | 150                             | טני שיש                                    | ٦ ٦                                       | 1308.3                               | 57  | 22 A S  |          | 60                     |
| 071 066 060 CLDT 17 180 07 1 071 066 060 CLDT 17 180 07 1 000 STATION PLLOY 10 120 7 1 6-COT 10 120 7 1  |  |                                 |  |   |                                      |   |   |          |                        |
| 071 066 060 clby 12 186 07 1<br>0N STATION PLEY 10 120 7 1<br>PECOT 10 120 9 13  | 12 140   | 140                             | KIP -                                      | 3   | 1007.5 P                             | 552   | 47 A  | Ac<br>C  | *0                     |
| 011 066 060 clot 12 180 07 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0   |  |                                 |  |   |                                      |   |   |          | 27                     |
| 0N STATION PLEDY 10 120 7 1  | 180  | 186                             | RIP  | į   | 1007.5                               | 47  | 44 A  | £        | 7                      |
| 600 STATION PLEDY 10 120 7 1<br>PLEDY 10 120 9 13  |  |                                 |  |   |                                      |   |   |          |                        |
| 51 49 45 LLDY 10 120 9 1   | 10 120   | 130                             | RIP 20                                     | 8 00                                      | 1007.3                               | ۲   | 45  | ر<br>در  | Ŋ                      |
| डा पन पड एकर १० १३० न  | D.   |                                 |  |   | _                                    |   |   |          |                        |
|  | 10 120   | _                               | ]  | 1   | r.0001                               | ر<br>ج<br>ج                                       | Ž,  | 57       | ح                      |
|  |  |                                 |  |   |                                      |   |   |          |                        |
| TEAME I  | TOTAL  |                                 | FUEL OIL<br>ON HAND                        | LUB. OIL<br>CONSUMED                      | CUB. OIL<br>ON HAND                  |   | FRESH WATER<br>CONSUMED                           | <u> </u> | FRESH WATER<br>ON HAND |
| 82.1 477.5   | 477.3  |                                 | 69987am                                    | 'S  | 219                                  | 140   | QAL.  |          | 6876 OAL               |

3 VIBUAL 4 D.R. LEGEND 1 CELESTAL 2 ELECTRONIC LUB. OIL RECEIVED 9VR0 1.50 FR SK 6612 SS 2156 TIME 8400 TYPE 085. 7 LATITUDE 57° 59.0' N DETENTION STATION TIME ₹ œ

POSITION BY OBSERVATION

# REMARKS

LONGITUDE 151º 20.1 TIME 2000 T

52.5 N 36.1 W

57:

LONGITUDE

Show Trans. 0001 POS! 57-26.8 N ISI'SZ.4W, SWITCHS TO STIMMY 00 DZCIC. 0135 ST CRSE 000 "F (A) 0,03 cm brewy th. 4/2 05 1/0 0007 CTD DIPLOTUD. COZZ CTD ON DZCIL ASSISTING WITH DECK 29534 ONI WE, CIDI HTAVE TO G STA CBCI, 2308 c/c GRUS # 1/4 BULINE かいいろ 0346 0328 WAYS TO @ STA CC 1, 0330 CTD DUPLOYD Bansh AND WAYE 50 6 554 CBC 2. OIZ3 RONGO SULLOND. USDERUNT ON CRUISE ICMOBOR LEAS. 5420 CBCZ. 2346(02) ST SECUND an warent RPMS FOR STA CCI. 325 chst 203°5 OILT CTS ON BZCIC. J-640L C/M S. STAIL PO - Co 0023 PUMB 001

10155 SET 19E 086° 2 151°58.08'W. CTD WITHE WATER. 0672 CTD and DECK, M. DEPTH 185M. 0630 HDG 140°G, STD 2.5-3.0 KB. ROALED NETS IN WATER. OBS 4 18. NET ON DECK. OBSS CSE ODO PRC, 1/5 100 RPM. 0714 HOVE TO ON STACCE, 0419 HOVE TO ON STA CCZ, L 57"39.58 N. X 152" OZ.98 W. CTD IN THE WATER. 0436 CTD ON DECK, MASK CHOD-0800 J. STAHL ON WATELL WITH ARS PERRY & MERKINNAN AFT AT CRONE & WINDOW. WILL AS BEFORE. DEPTH 100M. 0443 Bonleo NET IN THEWATER, HOG 235°G, 2.0 KTS. 2456 NET ON DECK. HOG 285°G, 100 KPM. 0517 HAVE TO ON STAR C 6.3 | 57° 40.78' N N 157° 00. 45' W. CTD IN THE WATER. 0541 CTD ON DECK, MAN DEPUT 198M. 0547 SET CSE 075 T, 1/5 100 KPM. . 0600 HAVE TO ON STA CC4, L57040. 831/ 02550 HDG 090'G, 3PD 2.0 K-12, BANGO NET M THE WATER. OGDS NET ON DECK. OGOT HDG 020'G, L5724.55'N > 151°56.48' W, CTD IN THE WATER. 0733 CTD ON DECK, M. DEPAH 117M. Pac, 1/5 35 Kram, 0745 WATCH RELIENED BY 3/M SCANLAND

OBOO-1200 E. SCANLAND ON WATCH WIRBS WYCLE, AND GOODMAN, OKIS BIT AN LINE, OBSY CTDDELYD AT 57°42.N (51°54,37 W, OBSK CTD CCG ON BOARD LOAS CTD CCS DRYD TO DAY'T GAS PLCC GAS PSC AND 100 RPMS FOR START OF NEXTLINE MAS 1048 BONGO ABOARD, 1050 0855 HEAD WIT 52 PGC 48 PSC AT 100RPMS FOR SITECCT. 0930 CTD CCT OBYS BONGO CLG DALYD AT 51°41,95 N 151°54.39 W. 0852 BONGO SECURED. 1035 CTD ON DECK DPLYD AT 57°43.08 151°49.63 TO 53 DECIBARS, 0942 CTD ON DECK COURSE WO'T 55° PGC 50° PSC ENROUTE TO SITE CCS, 100 RPMS 1145 WATCH RELIEVED BY AIM J. GALL. & Aromlond B/T SECURED 1036 BONGO CCS DPLYDAT 57 45.05 N 151 42 9 W. 151° 43.03W TO 53 DECIBARS AT 57044.99 W

1341 SIT CRSC 329 TF FOR MAS. 1355 HAVE DECK. 1436 SET CLSS 342" T FOR MAY, 1500 HTAVS TO B SEA MAY, 1502 CTD BURLOYD. 1525 1247 CTS ON DRCK, 1254 BOUGO TO GSTA MAS, 1357 CTD DIPROTO, 1417 CTD ON DECK. 1422 BOWGD DIPROTOD, 1434 BOWGO ON 1322 HAVE TO 354 12-16 J. GALL ON WATCH, ARS BRING AND MILLY ASSISTING WITH DECK OPLYATIONS 55 HANCE TO G STA MAB, 1157 CTD DIVIDITED. 1211 CTD ON DECK, 1213 SET CRSE וצאל ענרולחה פא כוש ma 62 breaths, 1302 Bouks ON DECK, 1303 SIT CAST 320"T F.R STA 1230 HAVETO STA MAY, 1232 CTD DIPLOYD. CTD DIPERTID. 1340 CTD ON DICK. CTD ON DECK. 1526 SZT CRSZ 339 T FOR MAS. 1323 ₩¢ 6,

BONGO ALTS ON DECK. 1650 SET CSE 342°T, 1/3 100 KPM. 1727 HOVE TO ON STA MAZ, CTD IN THE WATER 1 S8 OZSA 1873 Bayles 215124156 W. 1743 CTD DN DKOK 1745 SKT CSE 325 x 1/5 40 KMM. 1758 HAVE TO DN STAMAL 1759 CTD IN THE WATER L58'08.27 N > 151'48.88 W. S. Pr. MARMOT CAPE & 312.5" T, 2.3 NM. 1812 CTD ON DECK, WORKLING ORDER AS PER CER 46 199, 1954 HOVE TO AN STAF MAS, CTO IN THE WATER 158° 04.22'N 2151°45.63'W. 1622 CTD ON DECK, MAKDEPRATIGSM. 1627 BONGO NETS STREAMED AFT. 1649 1600-2000 J. STAHL ON WATCH WITTH ABS PERRY & MERRIMAN AT HELM & LODENIT. WAS AS KELOKE. ISSD PERRY & MEKRIMAN AFT AT CRANE MINCH. RESCUE GOAT OPERATED AND IN SPD 2.0 kts. 1817 Boalso StreamED AFT. 1872 Boalso AT SURFACE. secured 1824 set ese otit, 1/s to 100 kpm. 1945 watch relieizd by 3km spanland. M. DEVITH 62M. HOG 175 B.

2033 B/T ON LINE ACYY CTD USTA DRYD AT ACYY 58° IN. 151 10.8 W DEC 2000-2400 - E SCANIAND IN WATCH WITCH WIYLLE MUD GOODMAN. UM AS BEFIRE CITY ON DECK 뉨 2338 CTD ON DECK A340 COURSE SIOT 49° PGC 45° PSC AND 90 RPMS TO REPEAT 237°T 237° PGC 197° PSC 100 RPMS. 2311 CTD USTI (RE) DEPLOYED AT SIBILIN ISIBILI W TO 166 DECIBARS ALOD STEFRING 58°T SY°POC 49°PSC AT 100 RPMS FOR SITE AISO HEAD FOR USTS 28AO ARRIVE ON STATION; RETURN TO UST & DUE CTD USTA DPLYD AT 58" 15.96 N 151" 06.06W TO 65 DECLOARS Aranland EQUIPMENT PROBLEMS ON LAST TWO STATIONS, COURSE. در SITE USTA ABYS RECIEVED BY ALM IT GALL 2058 CTD ON DECK 2132 רצוב

JUS M

BT OFFICER

HAS

ZONE DESCRIPTION + 6 (U)

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DATE

C84 2 foci KM 0309

AT/ON CRUISE

BERTH

# WEATHER OBSERVATIONS

| No.   Start   No.   Start   No.      | HE HE    |         | COURSE   | 1 1                    | язн  | Ш     | ž       | WIND     | SEA     | 4                   | SWELL   | וו                  |        | TEMP.       | ۵                    | CLOUDS      | SQA                 |
|--|----------|---------|----------|------------------------|--|-------|---------|----------|---------|---------------------|---------|---------------------|--------|-------------|----------------------|-------------|---------------------|
| 034 034 035 0656 6 665 09 065 547 0406 - 1007.2 45 44 57 10 034 034 035 0656 6 665 09 065 547 0406 - 1007.1 43 43 57 10 034 034 035 0656 6 665 09 065 547 0406 - 1005.1 43 43 57 10 034 034 035 0656 6 665 09 065 547 - 1006.0 44 42 57 10 034 045 040 040 040 040 040 040 040 040 04  | ZONE     | TRUE    | GYRO     | STAND.<br>OR<br>STEER. | TABW   | HISIA | DIRECT. | FORCE    | DIRECT. | CONDIT.             | DIRECT. | неіднт              | BARO.  | DRY<br>BULB | WET                  | TYPE        | AMOUNT              |
| Color   Colo   | 5        | !       |          |                        |  |       |         |          |         |                     |         |                     |        |             |                      |             |                     |
| 0.1 String   Pics   6 cc   096   5 c.   1006.0   44 42   57   10   10   10   10   10   10   10   1   | 8        | 200     | 55456    | 2                      | P. Fost  | و     | 155     | 99       | 155     |                     | CNOR    | ,                   | 7.001  | 4           | 2                    | 72          | ô                   |
| 0.01 STATION   0.554   6 0.05   16 0.05   5.17   0.05   44 42   57   10   0.01   0.01   0.02   0.02   0.05  | 8        |         |          |                        |  |       |         |          |         |                     |         |                     |        |             |                      |             |                     |
| 01 STATION   PERM   2 080   15 086 SLT   1006.0 44 42 ST   10   10   10   10   10   10   10   1  | 8        | 034     | 634      | 030                    | P. foh   | 9     | Ses     | 60       | 590     | $\neg$              | Scho    | ,                   | 1,0001 | 43          | 43                   | ۲.<br>۲.    | 2                   |
| 01 STATION   PCST   3 080   15 080 SLT     1006.0 44 45 ST   10 01 STATION   CUDY   8   145   15   140   5LT     1005.5   45   44   5T   10 01 STATION   CUDY   8   140   15   140   5LT     1006.2   45   45   44   5T   10 02 STATION   OCST   8   140   15   140   5LT     1006.2   45   44   5T   10 02 STATION   OCST   8   140   15   140   5LT     1006.3   45   44   5T   10 02 STATION   OCST   8   140   15   140   5LT     1006.3   45   45   45   45   45   45   45   4  | 95       |         |          |                        |  |       |         |          |         |                     |         |                     |        |             |                      |             |                     |
| 0.0 STATION CLDY 8 195 15 160 5.TT 1006.5 45 45 45 5T 10  0.0 STATION CLDY 8 190 15 190 5.TT 1006.3 45 45 5T 10  0.0 STATION CLDY 8 190 15 190 5.TT 1006.3 45 45 5T 10  0.0 STATION CLDY 8 190 15 190 5.TT 200 5 1006.6 50 46 55 10  0.0 STATION CLDY 8 160 16 185 205 5 1006.6 50 46 55 10  0.0 STATION CLDY 6 210 20 210 5.TT 200 5 1006.8 50 46 55 10  0.0 STATION CLDY 6 20 20 210 5.TT 1008.4 45 45 8.A5 10  0.1 STATION CLDY 6 20 20 20 5.TT 200 5 1006.8 45 45 8.A5 10  0.1 STATION CLDY 6 20 20 20 5.TT 200 5 1008.4 45 45 8.A5 10  0.1 STATION CLDY 6 20 20 20 5.TT 1008.4 45 45 8.A5 10  0.1 STATION CLDY 6 20 20 20 5.TT 200 5 1008.4 45 45 8.A5 10  0.1 STATION CLDY 6 20 20 20 20 5.TT 200 5 1008.4 45 45 8.A5 10  0.1 STATION CLDY 6 20 20 20 20 5.TT 200 5 1008.4 45 45 8.A5 10  0.1 STATION CLDY 6 20 20 20 20 5.TT 200 5 1008.4 45 45 8.A5 10  0.1 STATION CLDY 6 20 20 20 20 5.TT 200 5 1008.4 45 45 8.A5 10  0.1 STATION CLDY 6 20 20 20 20 5.TT 20 5 1008.4 45 45 8.A5 10  0.1 STATION CLDY 6 20 20 20 20 5.TT 20 5 1008.4 45 45 8.A5 10  0.1 STATION CLDY 6 20 20 20 20 5.TT 20 5 1008.4 45 45 8.A5 10  0.1 STATION CLDY 6 20 20 20 20 5.TT 20 5 1008.4 45 8.A5 10  0.1 STATION CLDY 6 20 20 20 20 5.TT 20 7 1008.4 45 8.A5 10  0.1 STATION CLDY 6 20 20 20 20 5.TT 20 7 1008.4 45 8.A5 10  0.1 STATION CLDY 6 20 20 20 20 5.TT 20 7 1008.4 45 8.A5                      | 90       |         | 371-17   | -2                     | 0.55.T<br>165.T  | 3     | 080     | (5)      | 080     | 34                  | 1       | 1                   | 1006.0 | 4           |                      | 34          | 9                   |
| 0.0. STATION CLOY 8 115 15 15 5.T 1006.3 45 44 ST 10 0.0. STATION CLOY 8 1190 15 1190 5.T 1006.3 45 44 ST 10 0.0. STATION CLOY 8 1190 15 1190 5.T 1006.3 45 44 5.T 10 0.0. STATION CLOY 8 1160 16 16 180 5.T 200 5 1006.3 49 45 \$7 10 0.0. STATION CLOY 8 1165 16 180 5.T 200 5 1006.6 48 45 \$745 10 0.0. STATION CLOY 6 210 20 317 200 5 1006.8 49 45 \$745 10 0.0. STATION CLOY 6 210 20 310 5.T 200 5 1006.8 45 45 \$745 10 0.0. STATION CLOY 6 210 20 310 5.T 1008.4 45 47 57 16 0.0. STATION CLOY 6 225 15 225 5.T 1008.4 45 47 57 16 0.0. STATION CLOY 6 225 15 225 5.T 1008.4 45 47 57 16 0.0 STATION CLOY 6 225 15 225 5.T 1008.4 45 47 57 16 0.0 STATION CLOY 6 225 15 225 5.T 1008.4 45 47 57 16 0.0 STATION CLOY 6 225 15 225 5.T 1008.4 45 47 57 16 0.0 STATION CLOY 6 225 15 225 5.T 1008.4 45 47 57 16 0.0 STATION CLOY 6 225 15 225 5.T 1008.4 45 47 57 16 0.0 STATION CLOY 6 225 15 225 5.T 1008.4 45 47 57 16 0.0 STATION CLOY 6 225 15 225 5.T 1008.4 45 47 57 16 0.0 STATION CLOY 6 225 15 225 5.T 1008.4 45 47 57 16 0.0 STATION CLOY 6 225 15 225 5.T 1008.4 45 47 57 16 0.0 STATION CLOY 6 225 15 225 5.T 1008.4 45 47 57 16 0.0 STATION CLOY 6 225 15 225 5.T 1008.4 45 47 57 16 0.0 STATION CLOY 6 225 15 225 5.T 1008.4 45 47 57 16 0.0 STATION CLOY 6 225 15 225 5.T 1008.4 45 47 57 16 0.0 STATION CLOY 6 225 15 225 5.T 1008.4 45 47 57 16 0.0 STATION CLOY 6 225 15 225 5.T 1006.2 2 10 2008.4 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2  | 07       |         |          |                        |  |       |         |          |         |                     | ı       |                     |        |             |                      |             |                     |
| 0.0 STATION CLOY 8 145 15 140 5LT 1006.3 45 43 5T 10  191 188 148 CLOY 8 190 15 190 5LT 1006.3 45 44 5T 10  0.0 STATION OCST 8 160 16 16 185 mes 200 5 1006.6 49 45 87.45 10  0.0 STATION OCST 8 165 16 165 mes 200 5 1006.6 49 45 87.45 10  0.0 STATION CLOY 6 210 20 21 7 200 5 1006.6 49 45 87.45 10  0.0 STATION CLOY 6 210 20 210 5LT 1008.4 45 43 5C 10  0.0 STATION OCST 6 210 20 210 5LT 1008.4 45 43 5C 10  0.0 STATION CLOY 6 225 15 225 5LT 1008.4 45 43 5C 10  0.0 STATION OCST 6 225 15 225 5LT 1008.4 45 43 5C 10  0.0 STATION OCST 6 20 20 20 20 20 20 20 20 20 20 20 20 20   | 8        |         | STATI    | ولا                    | 200<br>100<br>100<br>100<br>100<br>100<br>100<br>100<br>100<br>100 | ы     | 080     | Ī0       | 080     | SLT                 | ١       | - [                 | 1005.5 | 4 b         | 44                   | 45          | 9                   |
| 191   188   148   CLDY 8   149   15   140   5LT     1006.3   45   43   5T   10     191   188   148   CLDY 8   140   15   140   5LT     1006.3   45   44   5T   10     191   188   148   CLDY 8   140   15   140   5LT     1006.3   45   44   5T   10     191   188   148   CLDY 8   140   15   140   5LT     1006.3   44   5T   10     191   188   148   CLDY 8   140   17   160   5LT   200   5   1006.6   48   45   5LT   10     191   188   148   CLDY 8   140   17   160   5LT     1008.4   45   44   5LT   10     191   188   148   148   15   225   5LT     1008.4   45   44   5LT   10     191   191   10                     | 60       |         |          |                        |  |       |         |          |         |                     |         |                     |        |             |                      |             |                     |
| 19   188   148   CLDY 8   190   15   190   5LT     1006.3 45   44   5T   10  | 유        |         | STAT     | 20                     | COS  | ۶     | 195     | 10       | 195     | 3CT                 | 1       | ١                   |        | 45          |                      | 57          | 9                   |
| 19   18   14   CLDY   8   190   15   190   5LT   -   -   1006.3 45   44   55   10  | 4.       |         |          |                        |  |       |         |          |         |                     |         |                     |        |             |                      |             |                     |
| 00) STATUS WIND CLDY (6 220 5 1006.7) 49 46 ST 10 10 10 STATUS WIND WIND CLDY (6 220 5 1008.4 45 44 ST 10 10 STATUS WIND WIND WIND WIND WIND WIND WIND WIND  | 12       | 191     | (XO      |                        | נרסג   | 80    | 190     | 1.5      | ত       | <b>5</b> LT         | ı       | 1                   |        | 7           | 77                   | 53          | 5                   |
| CAN STATISM   OCST   8   160   16   160   16   160   16   160   16   16  | 13       |         |          |                        |  |       |         |          |         |                     |         |                     |        |             |                      |             |                     |
| DN STATION         OLOST         8         165         16         165         16         165         16         165         16         165         16         165         16         165         16         165         16 <th>14</th> <td>CA.</td> <td>5A7.</td> <td>7</td> <td>2500</td> <td>Ø</td> <td>ଏ  </td> <td>ة</td> <td>ငမှ ၊</td> <td>בכב</td> <td>28</td> <td>6</td> <td>1006.7</td> <td>49</td> <td>9</td> <td></td> <td>0</td>   | 14       | CA.     | 5A7.     | 7                      | 2500   | Ø     | ଏ       | ة        | ငမှ ၊   | בכב                 | 28      | 6                   | 1006.7 | 49          | 9                    |             | 0                   |
| DAN STATION         OLGST         8         165         16         165         MeD         200         SLOG         17         200         SLT         200         SL         1006.6         48         45         SLA         10           DAN STATION         OLGST         6         200         17         200         SLT         7.00         SLT         44         SL         10           DAN STATION         CLDY         6         210         20         210         SLT         7.00         5         10         44         SL         10           BATATION         CLDY         6         210         20         210         5         10         44         SL         10           BATATION         CLDY         6         210         20         210         5         10         44         SL         10           BATATION         CLDY         6         210         20         210         5         10         10         44         SL         10           BATATION         STATION         CLDY         6         20         20         20         20         20         20         10         10         10         <   | 15       |         |          |                        |  |       |         |          |         |                     |         |                     |        |             |                      |             |                     |
| DN STATION         0.057T         8 - 200         17 - 200         SLT - 200         5 - 1006,6         48 - 45 - 45 - 10           0.N STATION         CLDY         6 - 205         18 - 265         31T - 200         5 - 1006,6         48 - 45 - 45 - 10         10           0.N STATION         CLDY         6 - 310 - 30 - 310 - 50T 1008.4 45 + 45 - 43 - 50 - 10         5 - 1008.4 45 + 45 - 10           | 16       | 20      | SGA 5 10 | 7                      | 0057   | က     | 185     | ٥        | 185     | Y OY                | 200     | 7                   | 1006.8 |             |                      | 25          | 2                   |
| DN STATION         062T         8         1200         SLT         200         SLT         44         SC         10         <  | 17       |         |          |                        |  |       |         |          |         |                     |         |                     |        |             |                      |             |                     |
| 0.01 STATION CLDY 6 210 20 210 5CT 1008.4 45 43 5C 10 15 010 010 CLDY 6 225 15 225 5CT 1008.4 45 43 5C 10 15 010 010 0LDY 6 225 15 225 5CT 1008.3 45 44 5T 16 15 225 5CT 1008.3 45 44 5T 16 15 225 15 225 5CT 1008.3 45 44 5T 16 16 16 16 16 16 16 16 16 16 16 16 16   | 18       |         | डियान    | 7                      | 063T   | 00    | 200     | 드        | 200     | SLT                 | 2002    | S                   | 9.9001 | 48          | \$                   |             |                     |
| 0N STATION CLOY 6 210 20 210 5LT 760 5 1007.5 47 44 St 10 10 10 10 10 10 10 10 10 10 10 10 10  | 10       |         |          |                        |  |       |         |          |         |                     |         |                     |        |             | т                    |             | 26.2                |
| 3N STATION CLDY 6 210 20 210 5CT 1008.4 45 43 5C 16  618 010 010 CLDY 6 225 15 225 5CT 1009.2 45 44 57 [6  TAME TAME TOWN DISTANCE DISTANCE CONSUMED         | 8        | S       | STAT     | ju                     | OKTHE<br>OKTHE   |       | 3       | 18       | 285     | SLT                 | 200     | w                   |        | 41          | - 1                  | 183         | 9                   |
| 5 N   5TATION   CLDY 6   210   20   210   5LT   -   -   1008.4 45 43 5C   10     1   | 21       |         |          |                        |  |       |         |          |         |                     |         |                     |        |             |                      |             | ŀ                   |
|  | 8        | S       | STA      | -1                     | $\rightarrow$  |       | 210     |          |         | 5LT                 | ţ       | 1                   | انم    | 7           |                      | 25          | 9                   |
| 1   5   0   0   0   0   0   0   0   0   0  | 23       |         |          |                        |  |       |         |          |         |                     |         |                     |        |             |                      |             |                     |
| TEMBRING STEAMING TOTAL FUELOIL CONSUMED CONSUME | 24       | 0       | <u>ه</u> |                        | 200  |       | 225     | 15       | 4       | 굇                   | ı       | 1                   |        | 5           | ን                    | ल           | 0                   |
| TEMBRING STARMING STARMING DISTANCE CONSUMED ON HAND CONS |          |         |          |                        |  |       |         |          |         |                     |         |                     |        |             |                      | - 1         |                     |
| ANN. DAYS HIR. MIN.  | "        | TEAMING | P. P.    | TAL                    | DISTANC  | _     | TOTAL   | FUEL     | MED     | FUEL OIL<br>ON HAND |         | LUB. OIL<br>ONSUMED | CUB.C  | -i          | FRESH WAT<br>CONSUME | <del></del> | SH WATER<br>IN HAND |
|  | <u> </u> | . C     | ā        |                        | 70   | •     | 7 4     | <u> </u> | 1       | -R 24G              | <br>    | 79                  | 219    | OAL.        |                      | OAL. 68     | 9 9                 |

| STATION TIME          | DETENTION            | COMPASS   | DA        | DRAFT               | FUEL OIL RECEIVED       | LUB. OIL RECEIVED   | PRESH WATER RECEIVED                                  | $\neg \tau$ |
|-----------------------|----------------------|-----------|-----------|---------------------|-------------------------|---------------------|---|-------------|
| ±200                  | HP. NOV.             | GYRO      | DEPARTING | ARRIVING            | CAL                     | THE GAT             | CONT  | $\neg$      |
| TOTAL<br>STATION TIME | TOTAL                | STAND.    | PWD.      | FWD.                | TYPE                    | TYPE                | TWEATED YES NO  | $-\tau$     |
| DAYS HAS. MIN.        | HE T                 | DEV. AFT. | AFT.      | AFT.                | .00                     | со.                 |   | — I         |
| 52 0600               |                      |           | POSIT     | ION BY O            | POSITION BY OBSERVATION | LEGEND 1 CH         | LEGEND 1 CELESTAL 3 VISUAL LEGEND 2 ELECTRONIC 4 D.R. | - 1         |
| Time Odon             | TYPE ORS 7           | 2 2       |           | 120                 | 1200 2                  | TIME 2000           | TYPE OBS. A   | $\neg \tau$ |
| ATITUDE 58034.3'N     | 034.3'N              |           | LATITUDE  | 58.07.62            | .62                     | LATITUDE 51° 39. 6  | 0   | -1          |
| LONGITUDE             | LONGITUDE (50"39.1") |           | ONGITUDE  | LONGITUDE 150 46.00 | wo.                     | LONGITUDE 150° 24.5 | 8.5   |             |
|                       |                      |           |           |                     |                         |                     |   |             |

# REMARKS

Crop Damy OPORTIONS. @ 90 RPMS, STEWNY 034 PAC 0018 HAVE TO BIT UST 3, 0050 ETD BIPLOY UD. 0109 ETD ON BLCK. 0110 SAF CASE ON S'E PUNTS, 0004 HAVE TO B STA USTZ. 0008 CTD DIRLOY ID. 0024 CTD ON DZCK, 0025 SIT CRSE OSB FOR STA UST 3. TIR USTY, 0122 HAVE TO STA USTY, 0126 CIED BOROTA, O141 CTD אשבע אניי א 0142 525 chst 025 15 For 504 USTS. 0206 HAVE TO @ 504 UST S. 0207 1/4 OULING, U/W TO STA UST 2 @ 100 RPMS. ASSISTIUS BACIALY BY CIM J. STAUL 5W5 # 034° Far 000, POS; 50° 15.9 N 151° 06.00, SWITCHTS KM0309 LEG 2. 1220 0220 CSB ON BZCK 0345 LND TOWNY ON 030 PSC. 000 Drck.

Brellehm. obst think to an sith. as 8 ctd stds in the water LSB 29.58'N 2,150'36.94'W. 1706 Ctd atwasterpingson. WATER 158, 23.94 NA 150° 24.44 W. obl9 CTD on DECK, M. DEPTH 168M. 06 TO 55E 707 FT 1/5 LOOKIM. 0400-0800 JSTAHL ON WATCH W/ ABS PERRY & MERRIMAN AT HELM & LOOKOLT. W/WAS BEFORE. OGSA ABS OSIG CTD ON DECK, MAK DEPTH 217M. USZO SET CSE 1859T, 1/5 100KPM. OSST HONE TO AN STASTOZ, CTD IN THE AFT TO CRANE/WINCH. 0435 HAVE TO ON CITO SITH POBET 1. OUS? CITO IN THE WATER LS8"39.02" IN JUST 35.75 W OTIF CTD ON DECK. OTISSET CSE 200°T, ISLOORPAN. OTTS WATCH RELIEDED BY 3/M SCANLAND.

AT 580 15.08 N 150°42.5W 0850 0600-1200 E, SCANLAND ON WATCH W/ABS WYLLE AND GOODMAN 0753 CID 2160 51 TE STD7. 1102 CTD STD7 DRLYD AT 58°11.93 N 150° 44 44 W. 1120 ON DECK 150° 42.77 W 1035 DECK. 1036 COURSE 182° T 176° PGC 140° PSC AT 90 RPMS 0806 CTD 51TE STD 5 ON DECK, BIT SECURED, 1025 BONGO STD6 DPLYD AT 58°14,94 N USIZ CTD AN DECK STDY DPLYD TO DECIBARS AT 58° 25.1 N 150° 38 85 W. FOR Granland 100 RPMs, VARIOUS CROES TO STD 6. 1009 CTD STD6 DPLYD SET COURSE 193°T 196°PGC 157°PSC AT 100°RPMS 150° 41.74 W K WATCH RELIEVED BY A/M J. 6ALL 58° 19.39 N CTD STDS DEPLOYED AT 10AI CTD

UST OFS DIPLOYUS, 1219 CTD ON DECK, 1224 SOUKO DEPOSTUD 1527 CTS ON DECK. 1528 525 CRSE 186. 4 POR 574 1239 BONGS ON DECK. 1240 SET CREE 188 T FOR STA 9. 13-34 HAVE TO C STA STA 9 1305 CTD DZPLOTYD &T SECUTYD. 1325 CTD ON DICK. 1326 SIT CASE 194" T FOR STD 10 1509 WIDECK OPMFINDS 1421 BUMD BURDYD. 1456 BUNGO ON BECK, 1437 SET CASE 191°T FOR STA STAIL AT ONLWE. 1356 CTS DIPLOYIS. 1417 CTS on DECK. ASSISTIMA ARS BRUNSTAND MILLY actions at elm 5.5 mile CTD 0201040 1153 NEVINE TO @ STA STDB. 1357 HAVE TO STA STD 10 DA WATCH 1510 STS 11 STD 12

1600-2000 I. STAHL MINATUL WITH ARE PERRY & WERKINDAN AFT-ATT FRAT CRANE & WINCH. UND BEFORE 127° T, 13 TO LOOKEM, 1909 c/c TO 072° T. 1945 HOVE TO ON STA-PBAIA. WATELL RELIEVED BY SANSTANIAND 1605 House to and STA STORE 1 57 51.56 N X 150 52.00 W. CTD WITHE WATER. 1673 CTD DAI DECK, M. DEPTH 77 (141 CTD WIDELL, MAK DEBUT 16 DB. 1754 BONGO NETS C STREAMED AFT. LST 43.35 N. N. ISA 1307 SET CSE DB. SETCOK 1917, 1/5 TO 100 KPM. 1778 HOVE TO ON STA STD 13. 1732 CTD IN THE WATER (57°43. 53°N 54.96 W. +9/2 HDG 2007, SPO 1.5 LTB. 1805 B. NETS ON DECK L ST 42.12 N 2150°55.08 W 2150°54.99'W

TO 95 DECIBARS. 2020 CTD ON DECK 2152 ON DECK 2156 BONGO DPLYD AT 51° 48,25N 150° 30,34 W. BONGO ON DECK STA PBA II AT 100 2000-2400 F. SCANLAND ON WATCH WAB, GOODMAN AND WYLLE, 1959 CID 2137 CTDPBAIS DPLYD AT 51° 48.55N 150° 29.98 W TO 88 DECIBARS 2353 TO PERIO DOLVE AT 57°52.68 N ISO AT TO 109 DB. 2309 CTD ON DECK. 343° P5C HEAD FOR 2306, SET COURSE 22°T 17° PGC 11° PSC AT 100 RPMS FOR SITE PBAID 358°T 350° PCC BONDED DRLYD AT 57° 52.39 N. 150° 27 97 W. 2325 IN DECK. RELIEVED BY SECURED, COURSE SET FOR PAGIZ, PBAIY DPLYD AT 57 39. 63 N 150 28.54 W 2339 018°T 016°PGC 010°PSC AT 100 RPM3. 12/S RPMs

051 IAW 46 CFR 199 3(00 श्व 1900 님 INSPECTED Armand FNTRY: LIFERAFTS VIS 7 (e)(1) MONTHLY \* LATE

DATE +6(0) ZONE DESCRIPTION

Foci 1cmo309

AT/ON CRUISE

BERTH

# OBSERVATIONS WEATHER

| 8                |         | u            | ı       |         |                      |          |                     |          |                      |          | i        |                         | 5              |             |
|------------------|---------|--------------|---------|---------|----------------------|----------|---------------------|----------|----------------------|----------|----------|-------------------------|----------------|-------------|
| <b>—</b> :       | STEER.  | WEAT         | AISIA   | DIRECT. | FORCE                | DIRECT.  | CONDIT.             | DIRECT.  | невант               | BARO.    | DAY      | WET                     | TYPE           | AMOUNT      |
| í l              |         |              | !       |         |                      |          |                     |          |                      |          |          |                         | L              |             |
| ΙI               | 8 A     | 7274<br>7826 | 30      | 255     | 2                    | 255      | ا<br>ا<br>ا         | 8,30     | 6                    | r. 6001  | 7        | 2                       | 72             | 3           |
|                  | _       |              |         |         |                      |          |                     |          |                      |          |          |                         |                |             |
|                  | ă 6     | 727q<br>942r | 8       | 315     | 18                   | 3,5      | MOS                 | 2000     | Ŋ                    | 1010.9   | 3        | 42                      | rs<br>Rs       | 5           |
|                  |         |              |         |         |                      |          |                     |          |                      |          |          |                         |                |             |
| ٥                | 0 110   | DCST         | 10      | સાદ     | 12                   | <u>2</u> | Mod                 | 200      | و                    | 0.11.0   | 44       | 58                      | 3. P.          | 2           |
|                  | _       |              |         |         |                      |          |                     |          |                      |          |          |                         |                |             |
| <u>اض</u>        | 3 060   | CCST.        | 0       | 305     | 19                   | 202      | Mod                 | 200      | ھہ                   | 1012.0   | 44       | 38                      | S. P.          | 2           |
|                  |         | _            |         |         |                      |          |                     |          |                      |          |          |                         |                |             |
| Ŝ                |         | 202          | 10      | 240     | 30                   | 240      | MOD                 | よみの      | જ                    | 1014.3   | ブブ       | ٥<br>٣                  | 25             | 6           |
|                  |         |              |         |         |                      |          |                     |          |                      |          |          |                         |                |             |
| S                |         | כרסא         | 10      | ď       | <u>5</u>             | 275      | 5CT                 | 064      | 7                    | 1015.0   | 45       | 0                       | 3              | ٢           |
|                  |         |              |         |         |                      |          |                     |          |                      |          |          |                         |                |             |
| 2                | 161 005 | ۲.           | ō       | 265     | נו                   | 265      | Nob                 | 250      | و                    | 1016.1   | S        | د <u>ن</u> ع            | ASS            | ő           |
|                  |         |              |         |         |                      |          |                     |          |                      |          |          |                         |                |             |
| ~                | 150 CL  | CLDY         | 01      | 275     | 20                   | 522      | Mob                 | 250      | Q                    | 1016.2   | ۲۹       | ٦٨                      | C1 15<br>AC ST | ı           |
|                  |         |              |         |         |                      |          |                     |          |                      |          |          |                         |                |             |
| N.               |         | cus4         | اه      | 780     | 14                   | 280      | SLT                 | SZ.      | ٩                    | 16.16.0  | 49       | 41                      | S.Ci           | 4           |
|                  |         |              |         |         |                      |          |                     |          |                      |          |          |                         |                |             |
| STATION          | ₹       | PCUDY        | 9       | 280     | 11                   | 280      | SLT                 | 253      | S                    | 0.0101   | \$       | 8                       | Chics          | 4           |
|                  |         |              |         |         |                      |          |                     |          |                      |          |          |                         |                |             |
| 3                | $\neg$  | PLLDY        | R       | 265     | 15                   | 365      | SCT                 | 250      | જ                    | 1016.6   | 44       | 7                       | 5T             | 7           |
|                  | _       |              |         |         |                      |          |                     |          |                      |          |          |                         |                |             |
| 2                |         | \$2525       | 10      | 275     | (5)                  | ١        | ١                   | i        | 1                    | B. LIOI  | 7        | Ī                       | 10             | 2           |
|                  |         |              |         |         | •                    |          |                     |          |                      |          |          |                         |                |             |
| STEAMING<br>TIME |         | DISTANCE     | T Teach | TOTAL   | FUEL OIL<br>CONSUMED | IL<br>ED | FUEL OIL<br>ON HAND |          | LUB. OIL<br>CONSUMED | LUB. OR. | ⊩        | FRESH WATER<br>CONSUMED | ⊩—             | FRESH WATER |
| HRS. MIN.        | <br> ≝  |              | _       |         | \                    |          |                     | <u> </u> |                      |          | <u> </u> |                         | ÷              |             |

POSITION BY OBSERVATION

LEGEND 1 CELESTIAL 2 ELECTRONIC

LUB. OIL RECEIVED

FUEL OIL RECEIVED

TIME 3000 TYPE 0BS.

LATITUDE 57° 45.1 A LONGITUDE (50° ((. 6 W) W9.24.6H LONGITUDE LATITUDE THE CHOO TYPE OBS. LONGITUDE

### REMARKS

PBA 11. DOIZ CTD DIPLOND. DOZY CTD ON DICK, DOZG SIT URSE DIYOF FOR STA PISA 10. OII 3 HIAVE aws # 1/4 outing - Uld To STA PRA 11 @ 100 mans SWITCHING TO # 2 STEWALL DUMPS. DODI POS: 5725, TN 150 26.2 W. COOT WASTE TO @ 594 Rosho Brand S. 0159 Bowho and @ STA PRA 9 TO @ STA PISA 10, O115 CTD OPPLOY D. D138 CTD ON DECK, OP12 5. STAUL OIS 3T FOR STA PRA 9. ASS BANNSC 1242. 1CM0309 RqC1472 BY 23725 5500 712 VC20 ことのころしん **1520** 녣

| OGOO-0300 J.STAHL ON WATCH WITH ABS PERRY 3 MERKIMAN AT HELM FLANKAUT. UNI AS BEFORE. 02551 HOVE TO ON STA PBAS, CTD IN THE WATER 158°09. OG NO. 130°21.54 W. ONIS CTD ON DRIK. MAY DEPTH 1640B. OHIG HOG 320°T, SYD 2.0 kTS, B. NETS STREAMED AFT. 0433 B. NETS ON DECK. CK TO 01997, 18 100 RM. 0569 HOVE TO ONISTA PBAT. LSS. 13.29 N X 150°19. 188 W. CTD IN THE WATER, HOG 255T, SYD 2.0 kTS. 0538 B. NETS ON DECK. 0540 SETCE 0187, 18 100 RM. 0613 HOWE TO ONISTA PBAPO LSS. 17.97 N X 150°17. 1810. CTD 11 THE WATER. 0679 CTD ON DECK, M. DEPTH 500B. 0657 SETCE 010°T, 18 TO 100 RPM. 0709 HOVE TO ONISTANION 1608 LSS. 21.80N X 150°6. 91°W. CTD IN THE WATER. 0723 CTD ONIDERY. 0724 SETCE 18. 111°PGC 090°PRC |
|--|
| 1/5 TO LOOPPM. 0745 WATCH RELIEDED BY 3/M SCHALLAND  |
|  |

203°T 200°P6C 158° 85C AT 95 RPM3 FOR SITE STB 2. 1044 CTD STB2 HEAD 208°T 203°PGC 162°PSC 149°36.53W TO 64 DB. 149°44,24 W 1005 BONGO DPLYD AT 58°13.19N 149° 36 84 W. 1012 ON DECK 20 W/U AND WYCLE FOR STA STB3 AT 100 RPMS. 1132 CTD STB3 DPLYD AT 58"07. 2N CITO DPLYD AT 58° 13.37 N COODMAN Leanland DPLYD AT 58" 10.41 N 149"40.55 W. 1058 ON DECE 0500-1200 E.SCANLAND ON WATCH W/ABS SECTEVED BY 2/M J. CALL 5TB1 0949 ON STA 1000 ON DECK. TRAD

BREK OPWATIONS CTD ON DECK 1208 BOWAD DURONN, 1214 BT STA STRY, 1316 CTD DIPLOYING. 1344 CTD ON DECK. 1347 ST CRST 209" FOR STA STR S. Bowho on Deck 1239 525 025 192" T GOZ STA STSY, 1314 KINGUL TO PO 1545 accidents 34 class state 1505 BONGO DIPLOGIUS 4.7.3 1423 HANZTO @ STASTS S. 1426 CID BUTCOYD. 1500 CTD ON DECK. ABS GAUNST MUS MICKY ASSISTINA 1533 BONKIS ON DECK. 1535 SOF CASE 1917 FOR STE 6. 1201 5583. CTS CAST IN PROGRASE SEA DU WATCH. 1236 5.84cl 12-16

1651 (56.208°T, 1/5 TO 100RPM. 1728 HOVE TO ON STA STBJ. 1740 (TO IN THE WATER 1 61°49.95 1/1 X153°65.09 W) [UMTERATER: PIST AT 1616 L 57°54.70 1/2 1/2 20 CM ). 1808 (TO ON DECK. IN. DEPTH 705 DB. 1809 196 210°G, 1/5 100 RPM. 1842 HWE TO DU STA STBB. 1855 CTD IN THE WATER 157°46.76°1 150°09.47 NFT TO WINCH (CRANE. 1616 HAVE TO ON STATION) STISK, MID IN THE WATER. 1650 MD OBJEK, MAY DEPTH 760 DB SPD 1.5 KTB. BENGO NETO STREAMED AFT. LST 46.72' N NISO E TOO AKS 1600-7000 J. STAILL OF WATCH WITH ABS PERRY & MERRIMAN AT HELM & LOCALT. WAS AS PETOKE 09.68'W. 1945 B. NETS ON DECK. WATCH RELIEVED BY EARN SCANLLAND W. 1972 CTD MIDECK. 1975 HDG 780°G,

100 RPMS ON COURSE 1990 T 204° PLC 1610 PSC AT 100 RPMS FOR STA STB9/STAI 2029 CID STB9/STAI 150°07.05W. 2151 ON DECK. 2000-2400 E. STANLAND AN WATCH WARS GOODMAN AND WYLIF 1946 HEAD CITO DPLYD AT 57 48 SWN 149 SZ. 8W, 2345 REVIEUED DAIL BONCO ABOARD COURSE NE DRIYD AT 51° 42.25 N 150° 14.34 W TO 131 DB. 2047 ON DECK. 51°44.32 N 150°07.4 W THE FUR STAZ. ZIBJ CTD STAZ DPLYD AT Granland 2155 PUNGO DPLYD AT 57°44.4 N RPMS FOR STAB. 2332 BY A/M J. UALL.

THE

RV KILO MOANA AT/ON CRUISE

PW Y

Km 0309 Foci

**OBSERVATIONS** WEATHER

| Thur   Onto   1900      | TIME     | _       | COURSE  |                        | нэн        | YTIJ     | W       | WIND     | S       | SEA                 | SWELL    | 112      |        | TEMP.  | <u>~</u> . | CLO         | CLOUDS   |
|--|----------|---------|---------|------------------------|------------|----------|---------|----------|---------|---------------------|----------|----------|--------|--|------------|-------------|----------|
| 015 STATION CLE 10 275 14 275 SCT 1005 - 1017.5 45 40 AC 1  014 STATION CLEDY 10 275 14 275 SCT 1005 - 1017.0 45 39 (MAS 4  015 011 000 8CLDY 10 275 10 275 SCT 260 4 1017.0 45 39 (MAS 4  015 011 000 8CLDY 10 275 10 275 SCT 260 4 1017.0 45 39 (MAS 4  017 015 011 013 CLDY 12 270 11 270 RIP 740 7 1017.0 54 48 (MA 7  018 017 013 0009 CLEDY 10 275 12 275 RIP 740 4 1017.0 54 48 (MA 7  017 013 0009 CLEDY 10 275 12 275 RIP 740 4 1017.0 54 48 (MA 7  018 STATION CLE 11 270 12 270 1018.00 A 1018.9 43 57 CU 1  019 017 013 0009 CLE 11 270 12 270 1018.00 A 1018.9 43 57 CU 1  019 019 019 019 019 019 019 019 019 019  | CONE     |         | GYRO    | STAND.<br>OR<br>STEER. | ITA3W      | IBISIA   | DIRECT. | FORCE    | DIRECT. | CONDIT.             | DIRECT.  | некит    | BARO.  | DRY<br>BULB                                    | WET        | TYPE        | AMOUNT   |
| 015 STRTIDAL RUDY 10 275 14 275 SLT 1405 - 1017,5 45 46 AC 1  016 STRTIDAL RUDY 10 275 17 275 SLT 320 4 1017,0 45 39 14,46 4  017 018 OLD PLUDY 13 275 10 375 SLT 320 4 1017,0 45 39 14,46 4 1  018 STRTIDAL RUDY 13 275 10 375 RLP 1018,0 54 48 KLD 1   | 9        |         |         |                        |            |          |         |          |         |                     |          |          |        |  |            |             |          |
| 0.01 Strangal Ruy 10 215 17 215 SLT 740 4 1010 45 59 14.84 4  0.15 0.11 0.00 12.00 12 275 10 275 SLT 240 4 1010 45 59 14.84 4  0.15 0.11 0.00 12.00 12 275 10 275 SLT 240 4 1017 0 45 59 14.84 4  0.15 0.11 0.00 12.00 12 275 10 275 SLT 240 4 1017 0 45 49 12.85 7  0.00 STATION RLDY 10 275 10 275 SLT 240 4 1017 0 45 49 12.85 7  0.01 0.17 0.15 0.09 12 275 11 275 SLT 240 4 1017 45 45 12.85 7  0.01 0.17 0.15 0.09 12 275 SLT 240 4 1017 45 45 12.85 7  0.01 0.17 0.15 0.09 12 275 SLT 240 4 1017 45 45 12.85 7  0.01 0.15 0.09 12 275 SLT 240 4 1017 45 45 12.85 7  0.01 0.15 0.09 11 275 15 275 SLT 240 4 1017 45 45 12.85 7  0.01 0.15 0.09 11 275 12 275 SLT 240 4 1017 45 45 12.85 7  0.01 0.15 0.09 11 275 12 275 SLT 240 4 1017 45 45 12.85 7  0.01 0.15 0.09 11 275 12 275 SLT 240 4 1017 45 45 12.85 7  0.01 0.15 0.09 11 270 12 270 12 270 20 20 20 20 20 20 20 20 20 20 20 20 20  | 05       |         | 54-71 D | 7                      | مه         | 2        | 275     | ١٨       | 275     | זרג                 | UNOS     | 3        | 1017.5 | 45   | 0          | ı           | ì        |
| 0.01 STRTDAN (RUD) 10 715 12 715 SLT 740 4 101.0 45 39 (LAR 4 1015) 10 10 10 10 10 10 10 10 10 10 10 10 10   | 6        |         |         |                        |            |          |         |          |         |                     |          |          |        |  |            |             |          |
| 04 STATION (UV) 10 715 12 715 SLT 740 4 101.0 45 39 0LAS 4  015 011 006 PLDY 10 230 10 725 SLT 740 4 1012.0 46 41 CLAC 7  015 011 006 PLDY 12 230 10 275 SLT 240 4 1012.0 45 40 CL 3  02 STATION (LDY 12 230 11 230 12 275 RIP 740 7 1013.0 54 48 CLAC 7  04 STATION (LDY 12 230 11 230 12 235 RIP 740 4 1017.1 45 43 CLAC 7  04 STATION (LDY 12 230 11 230 12 235 RIP 740 4 1017.1 45 43 CLAC 7  05 STATION (LCR 11 275 15 275 RIP 240 4 1017.1 45 43 CLAC 1  06 STATION (LR 11 270 12 | 8        |         |         |                        | Record     | 01       | 275     | ٦        | 275     | SCT                 | 320      | ٦        | 6.6101 | 45   | \$         | Ac          | 1        |
| 015 011 006 9 CLDY 12 275 10 275 SLT 740 4 1017.0 46 39 MAS 4 1015 01 006 9 CLDY 12 275 10 275 SLT 240 4 1018.0 46 41 CLAC 7 3 005 SLT 10 006 9 CLDY 12 275 10 275 SLT 210 4 1018.0 54 48 CLAC 7 10 005 SLT 10 006 9 CLDY 12 275 10 275 SLT 210 4 1018.0 54 48 CLAC 7 10 007 SLT 10 | 90       |         |         |                        |            |          |         |          | 0.      |                     |          |          |        |  |            |             |          |
| 015 011 006 6LDY 13 275 10 275 5LT 240 4 1017,0 46 41 6LAC 7  6N STATION 6LDY 13 275 10 275 6LP 1018,0 45 49 CU 5  0N STATION 6LDY 12 190 11 270 6LP 1018,0 54 48 CU 5  0N STATION 6LDY 12 190 11 270 8LP 1018,0 54 48 CU 5  0N STATION 7013 009 CLA 11 275 15 275 8LP 240 4 1617.1 45 43 6LD. 7  0N STATION 7013 009 CLA 11 275 15 275 8LP 240 4 1617.1 45 43 6LD. 7  0N STATION 6LA 11 275 15 275 8LP 230 2 1018,9 45 43 6CU 11 12 11 11 11 11 11 11 11 11 11 11 11  | 8        | NO      | STAN    | JNO                    | Repl       | 9        | 275     | 12       | 212     | SLT                 | 240      | 4        | 0.1701 | \$   | 39         | Cu Ps       | 4        |
| 0.05 011 0006 PLDN 12 275 10 275 5LT 240 4 1018.0 46 41 PLNC 7 3 0 0.05 5LT 240 4 1018.0 45 40 C.U. 3 0.05 5LT 10 0.05 5LT 210 41 1018.0 45 40 C.U. 3 0.05 5LT 10 0.05 5LT 210 41 1018.0 45 40 C.U. 5 0.05 5LT 10 0.05 5LT 210 41 1018.0 45 40 C.U. 5 0.05 5LT 10 0.05 5LT 210 41 1018.0 45 42 PLNC 7 44 PLNC 7 1018 0.05 5LT 10 0.05 5LT  | 07       |         |         |                        |            |          |         |          |         |                     |          |          |        |  |            |             | -        |
| 015 011 006 92001 12 275 10 275 527 210 4 1018.0 45 40 CJ 3  60. STATION CLOY 12 240 11 270 RIP - 1018.0 54 48 CJ 5  00. STATION CLOY 12 240 11 270 RIP - 1018.9 45 42 KM 4  017 013 009 CLOY 12 270 11 275 RIP 240 4 1017.1 45 43 KM 4  017 013 009 CLOY 12 270 12 275 RIP 240 4 1017.1 45 43 KM 4  018 018 018 018 018 018 018 018 018 018   | 8        | ON      | - 1     | low                    | <b>CLD</b> | ٥        | 780     | 0        | 130     | SLT                 | 240      | 4        | 1017.0 | 3  | 41         | र<br>र      | <u></u>  |
| 0.0. STATION RLDY 12, 275 10 275 RIP - 1018.0 45 40 CU 5  0.0. STATION RLDY 10 275 10 275 RIP - 1018.0 54 48 CU 5  0.0. STATION CLDY 12, 740 11, 270 RIP - 1018.0 45 47 44 CICL 7  0.1. 0.17 0.13 0.09 CLDY 12, 740 11, 275 RIP 240 4 1017.1 45 43 CLU 1  0.1. 0.13 0.09 CLR 11, 275 IS 275 RIP 240 4 1017.1 45 43 CLU 1  0.1. 0.13 0.09 CLR 11, 275 IS 275 RIP 230 2, 1018.9 45 43 STCU 1  0.1. 0.13 0.09 CLR 11, 275 IS 275 RIP 240 4 1018.9 45 43 STCU 1  0.1. 0.14 RIP RIP   | 60       |         |         |                        |            |          |         |          |         |                     |          |          |        |  |            |             |          |
| 6N STATION RLDY 12 275 10 275 RIP 1018.0 54 48 C.U. 5  ON STATION CLDY 12 740 11 270 RIP 1018.4 51 44 C.U. 7  ON STATION CLR 11 275 15 275 RIP 240 4 1017.7 45 43 C.U. 1  ON STATION CLR 11 275 15 275 RIP 240 4 1018.9 45 43 C.U. 1  ON STATION CLR 11 275 15 275 RIP 240 4 1018.9 45 43 C.U. 1  ON STATION CLR 11 270 12 270 1018.9 45 43 C.U. 1  ON STATION CLR 11 270 12 270 1018.9 45 43 C.U. 1  ON STATION CLR 11 270 12 270 1018.9 45 43 C.U. 1  ON STATION CLR 11 270 12 270 1018.9 45 43 C.U. 1  ON STATION CLR 11 270 12 270 1018.9 45 43 C.U. 1  ON STATION CLR 11 270 12 270 1018.9 45 43 C.U. 1  ON STATION CLR 11 270 12 270 1018.9 45 43 C.U. 1  ON STATION CLR 11 270 12 270 1018.9 45 43 C.U. 1  ON STATION CLR 11 270 12 270 1018.9 45 43 C.U. 1  ON STATION CLR 11 270 12 270 1018.9 45 43 C.U. 1  ON STATION CLR 11 270 12 270 1018.9 45 43 C.U. 1  ON STATION CLR 11 270 12 270 1018.9 45 43 C.U. 1  ON STATION CLR 11 270 12 270 1018.9 45 43 C.U. 1  ON STATION CLR 11 270 12 270   | 2        |         | 110     | 900                    | Peldy      |          | 275     | 10       | T1      | SCT                 | 210      | プ        | 1018.0 |  |            | ટ           | 'n       |
| 60. STATION (RLDY 12 215 10 215 RIP 1018.0 54 48 C.0 5 5 0.0 5 5 48 C.0 5 5 1 0 1 2 1 0 2 1      | 1        |         |         |                        |            |          |         |          |         |                     |          |          |        |  |            |             |          |
| 00. STATION CLOY 12 270 11 270 219 - 1016.4 51 44 CLOY 12 140 11 240 RLP - 1016.4 51 44 CLOY 12 140 11 240 RLP - 1016.6 47 44 CLOY 140 11 275 RLP 240 4 1617.7 45 43 CLOY 140 11 275 RLP 240 4 1617.7 45 43 CLOY 140 11 275 RLP 240 4 1617.7 45 43 CLOY 140 170 013 009 CLOK 11 275 RLP 240 3 1018.9 45 43 ST CU 1 20 57 20 11 2 270 1 - 1018.9 45 43 ST CU 1 2018.9 10 1018.9 10 | 12       | 4       | TATI    | Ş                      | RLDY       | <u>ب</u> | 275     | 10       | 275     | RIP                 | ١        | ١        |        |  |            | ე           | 2        |
| 00.3 STATION CLOY 12 140 11 270 RIP — 1018.4 51 44 CLOX 1 1 017 013 CLOY 12 140 11 240 RIP — 1017.6 47 44 CLOX 1 1 013 CLOY 12 140 11 240 RIP 240 4 1617.7 45 43 CLOX 1 1 013 009 CLX 11 275 RIP 240 4 1617.7 45 43 CLOX 1 1 0.0 57 4 1617.7 45 43 CLOX 1 1 0.0 57 4 1617.7 45 43 CLOX 1 1 275 RIP 240 A 1617.7 45 43 CLOX 1 1 275 RIP 240 A 1617.7 45 43 CLOX 1 1 275 RIP 240 A 1617.7 45 43 CLOX 1 1 275 RIP 240 A 1617.7 45 43 CLOX 1 1 275 RIP 240 A 1617.7 45 43 CLOX 1 1 275 RIP 240 A 1617.7 45 43 CLOX 1 1 275 RIP 240 A 1617.7 45 43 CLOX 1 1 275 RIP 240 A 1617.7 45 43 CLOX 1 1 275 RIP 240 A 1617.7 45 43 CLOX 1 1 275 RIP 240 A 1617.7 45 43 CLOX 1 1 1 275 RIP 240 A 1617.7 45 43 CLOX 1 1 1 275 RIP 240 A 1617.7 45 43 CLOX 1 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1   | 5        |         |         |                        |            |          |         |          |         |                     |          |          |        |  |            |             |          |
| Del STRTIGO   12   14   1   1   1   1   1   1   1   1  | 4        |         | 0       | 2                      | CLAY       |          | 210     | 11       | 270     | RIP                 | ١        | 1        |        | 2  | <u>ک</u>   | ₹ 23<br>23  | ŗ        |
| 0N STATION CLR 11 275 15 275 KIP 246 4 1617.7 45 43 C.   | 12       |         |         |                        |            |          |         |          |         |                     |          |          |        |  |            |             |          |
| ON STATION CLR 11 276 12 276 RIP 240 4 1617.1 45 43 CLD. 7  ON STATION CLR 11 275 15 275 RIP 230 2 1018.9 45 43 57 CU 1  ON STATION CLR 11 276 12 270 1018.9 45 43 57 CU 1  ON STATION CLR 11 276 12 270 1018.9 45 43 57 CU 1  ON STATION OF THE OWN AND TOWN ON HAND OWN         | 9        |         |         |                        |            |          |         |          |         |                     |          |          |        |  |            |             |          |
| 0AI STATION (LDY 12 290 11 290 RLP — 1617.6 47 44 (LLD, 17 45 42 (LLD, 17 45 43 (LLD, 17 45 445 43 (LLD, 17 45 445 445 445 445 445 445 445 445 445  | 17       |         |         |                        |            |          |         |          |         |                     |          |          |        |  |            |             |          |
| ON STATION CLR 11 275 15 275 RIP 240 4 1617.7 45 43 CLU. 4  ON STATION CLR 11 276 12 270 — — 1018.9 45 43 57 CU    ON STATION CLR 11 276 12 270 — — 1018.9 45 43 57 CU    ON STATION OBSTANCE DISTANCE CONSUMED OWN HAND CONSUMED OW | 18       | LIQ.    | 0[7     | 619                    | CUDY       | 2        | 9       | =        | 290     | RIP                 | 1        | (        | 10H 6  | 47   | 44         | Cille       | 7        |
| 017 013 009 CLR 11 275 15 2.75 R1P 246 4 1617.7 45 43 R.B. 4  017 013 009 CLR 11 275 15 2.75 R1P 230 2 1018.9 45 43 57 CU 1  0.N 57 A TION CLR 11 270 12 2.70 1018.9 45 43 57 1  11  | 19       |         |         |                        |            |          |         |          |         |                     |          |          |        |  |            |             | XI       |
| 0/1 013 009 CLR 11 275 15 275 R1P 230 2 1018.9 45 43 57 CU   10/2 by 257 CU   1 270 12 270   2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2   | 20       |         | THING   |                        | reloy      | 2        | 285     | 3        | 285     | KIP                 | 240      | 4        | 1617.7 | 45   | 43         | C Cr        | 4        |
| 017 013 009 CLR 11 275 15 275 R1P 230 2 1018,9 45 43 57 CU    0N 57 A TOM CLR 11 270 12 270 1018,9 45 43 57 1  11  | 21       |         |         |                        |            |          |         |          |         |                     |          |          |        |  |            |             |          |
| ON DT ATCOM CLA II         コイク IA         コイク IA         コイク IA         コイク IA         エルビ IA         エルビ IA         IA         エルビ IA         エルビ IA         IA         エルビ IA         <   |          |         | · -I    |                        | SCR        | Ξ        | 275     | 5        | 275     | RIP                 |          | ત        | ٠I     | 45   |            |             | -        |
| ON STATION CLR   1   270   2   270   -   1018.9   45   45   45   57   1   1   1   1   1   1   1   1   1  | 23       |         |         |                        |            |          |         |          |         |                     |          |          |        |  |            |             |          |
| TTOTAL TOTAL THE THE DISTANCE DISTANCE CONSUMED ON HAND C | 24       |         |         | 2017                   |            |          | ٥٦٥     | ۲        | 270     | ١                   | ţ        | 1        | 1018.9 | ν<br>Ω   | * 1        | 24          | -        |
| TTEAMING STREAM ATTER TOTAL FUEL OIL FUEL OIL ON HAND CONSUMED ON HAND CON |          |         |         |                        | ı          |          |         | ł        |         |                     |          |          |        |  |            |             |          |
| 1 20 20 20 1. S 764.8 1354 65682 9 550 6601  | <b>*</b> | TEAMING | STEAN   | AL<br>SING             | DISTANCE   | -        | TOTAL   | FUEL C   | #ED     | FUEL OIL<br>ON HAND |          | UB. OIL. | LUB. O | -  | RESH WAT   | <del></del> | SH WATER |
|  | ∯ o      | ≣ 0     | DAYS HR | <br> ± 4               | 8ır.       |          | 4.8     | <u> </u> | Ι.      | 5682                | <u> </u> | 8        | SSo    | <u>                                       </u> |            | و<br>و<br>ا | 0        |

| STATION TIME          | DETENTION     | COMPASS | 78G       | DRAFT    | FUEL OIL RECEIVED | LUB, OIL RECEIVED | FRESH WAT   | FRESH WATER RECEIVED |
|-----------------------|---------------|---------|-----------|----------|-------------------|-------------------|-------------|----------------------|
| 1881 NRI              | 18.<br>3. 15. | GYRO    | DEPARTING | ARRIVING | CAL               | מאר               |             | aAL                  |
| TOTAL<br>STATION TIME | DETENTION     | STAND.  | FWD.      | PWD.     | TYPE              | TYPE              | TREATED YES | YES NO               |
| S 08 05 7             | 17 30         | DEV.    | DEV. AFT. | AFT.     | .00               | .00               |             |                      |
| 0000                  |               |         |           |          |                   |                   |             |                      |

POSITION BY OBSERVATION

LEGEND 1 CELESTAL

LATITUDE 58°43.3 N LONGITUDE 148 50.9 58 21.2 N 148 58.7 W LONGITUDE (49°28.3'W SR 0552 SS 215b TIME 0400 LATITUDE 57°

# REMARKS

0005 BUNGO DURLOYUS. 0029 BONGO ON DECK. 0031 525 CRSZ 058'F OZYZ CTD DIPLOYED. 12 PROMMESS. SWITCHED TO #1 STEVENTA PUMPS, 0001 POS: 57"48.4 & 149" S3.0W, CTD FOR STA STAY, 0,32 MISAULTO @ STA STAY, 0,34 CTD DEPUNIOS. 0202 CTD ON DECIL, STA STA S. OZYI HTAVE TO @ STA STAS. AWS#3/4 BONGO DROLOTIO KM0309 0308 0205 SET CRSC 055°T FOR DECK, AT SECUTED. FOR STA 6. unommund on 00-07

COPIS CITY ON DECIE, M. DEPTH 2180B. 0636 HOG 265% SPD 1.5 KTS, B. NETS STREAMNED AFT. 0659 B. NETS ON DECK. 0700 HOG 060°T, 1/5 100 RPM. 0746 HAVE TO ON STATE STAP. WATTH RELIEDED BY 3 PM STANLAND MAY DEPUT 190M. 0437 CSE 050°T, 1/S 100 RAM. 0459 HOVE TO ON STA: STAT 1,57°58.965'N 2149'24.989 . 0575 rtd and DECK, m. DEPTH 2050 B. 0577 CSE 0657, 1/3 100 RPM 0606 Halle to and STA: STAB ALARM. OFOTHWAE TO ON STATSTAG, LST "57.08" N. N. 149 "78.75" W. CTD IN THE WATER, 0431 M.D. ON DECK 0400-0800 J. STAHL WONDATCH W/ ABS PERRY & WARRIMARN AFT AT WHICH & CRANE CENTROLS. WAS AS BEFORE. 0400 FIRE ALARM BELL ALMOMBRICALLY SOUNDED FOR TROUBLE SIED DRY STARES LOCKER! 0608 CTD IN THE WATER LSS DI. 31 N X 149 "17.79 W.

DSOO-IBOO E SCANLAND ON WATCH WABS GOODMAN AND WYLLE, OIYS CTD transand BONGO B/T SECURED. SET COURSE 17°T AT 100 5802, 1026 CTD SABA DRYD AT 58 13,64 N 149 01, 59 W. 1041 CTD ON DECK. LAURSE 10°T AND 100 RPMs FOR SITE STABS. 1145 CTD SAB 3 DPLYD HEAD 66 T 62 POCT 55 PSC 080g SAB4 DRYD AT 58"05.97 び ON DECK AT 58° 21, 24 N 148° 58,76 W. WATCH RECIEVED BY 2/M J. GALL 5TA9 DRYD AT 58 03.83 N 149 10.69W TO 109 DB. 0804 1820 ON DECK STA10/5 AB1.0907 CTD STA10, 0920 CTD ON DECK, DPLYD AT 58 03,80 N 149 10,96 W. 04 49 W TD & & DB. FOR SITE AT 100 RPM , FOR erm3 티

1230 -1335 SHIPS CREW FRAMING SESSION CONDUCTED BY CLM LINE THROUNDY APPROATUS FUNCES AND PREPARUSE OF AFFE FORM CTD RECOVERY W DZCK OPENATIONS. 1530 HTAVZ GO Q 1217 BT DULUE. ASSISTING F. SCAHL AN 1SIS CTD RINDY PROCENDUL TO STAS. 1211 12-16 S. WILL ON WATCH. ASS BRUNST AND MILLY RUNCO - ALL STOP 1533 CTD DIRIOHAD, 1545 RALIKUD BI S262270, STANDBY W1 R3 TOPICS 270 AD APPLICATIONS. PROSCIMS WITH 300 mg C3. ر. ۲-

1652 that to an 9th : SAB4. CTD IN THE WATER. 1710 CTD 1530 HOVE TO ON STA ATET. 1833 CTD IN THE WATER LSS 36.75 IN N 148 53.00 W. 1853 CTD ON DECK DA DECK. 1715 B. NETS STREAMED AFT. 1728 B. NETS ON DECK. 1730 SET CSE OIT & 1/5 TO LOOKPAN. 1600-2000 J. STALLL ON WATCH WITH ABS PERRY & MERRIMAN AT HELM & LANKOUT. UNIS BEFARE. CTD ON DECK. 1557 CSE 018°T 1/5 TO 100RPM. 1652 HAVE TO ON STATISABA. CTD IN THE WATER. 1710 MAK DEPUT 1130K. 1854 CSE 013°T, US TO LOOKPM. 1930 HOVE TO ON STATION GET? 158°42. 1 N. 148°51. 01°W. CTD IN THE WATER. 1945 WATCH KELLENED EH 3/M SCANLAND. 1236/PP

্ব 2032 BONDO ON DECK. SET (OURSE, 12° T MND 100 RPM, FOR AT BS, 2126 CID AT BS DRIYD AT S8°41. 148°48.94W TO 249 DB. 2152 ON DECK. COURSE 13°T AT AT 58 53.61 N STATION 2011 BINGO DPLYD AT 58° 42, 4N 148° 50.95 W 2246 CTD 6BIL DPLYD AT 58 53, 49N 148 47,06W 3 2000-2400 E SCANLAND ON WATCH WABS WYLLE AND GOODMAN Lanland Land 232 2/MJ.CACL 2320 CTD ON DECK SAM 2345 RELIEVED BY CTD ABOARD. B/T SECURE 100 RPMS FOR 12811. A004 28608 148,47.

18

DERIE

ZONE DESCRIPTION +8 (v) DATE WAD

2003

AT/ON CRUISE KMS309 FUCI LZ42

BERTH

# WEATHER OBSERVATIONS

| TIME |            | COURSE         |                        |          | YTIJ   | IM.     | MIND     | S       | SEA                 | AS      | SWELL                |                     | TEMP. | <u>ā</u>                | 570        | CLOUDS                 |
|------|------------|----------------|------------------------|----------|--------|---------|----------|---------|---------------------|---------|----------------------|---------------------|-------|-------------------------|------------|------------------------|
| NO.  | TRUE       | GYRO           | STAND.<br>OR<br>STEER. | WEAT     | AIŞIBI | DIRECT. | FORCE    | DIRECT. | CONDIT.             | DIRECT. | неюнт                | BARO.               | DRY   | WET                     | TYPE       | AMOUNT                 |
| 5    |            |                |                        |          |        |         |          |         |                     |         |                      |                     |       |                         |            |                        |
| 8    | 20         | 201184         | 7                      | Read     | 6      | 260     | ঠ        | 260     | ろして                 | Juse    | t                    | (C. 610)            | 46    | 42                      | AS         | 3                      |
| 8    |            |                |                        |          |        |         |          |         |                     |         |                      |                     |       |                         |            |                        |
| g    | 200        | TATEON         | 7                      | Peudy    | õ      | 552     | <u> </u> | 552     | 25                  | 240     | þ                    | 1019.3              | 45    | 43                      | AS         | 2                      |
| 95   |            |                |                        |          |        |         |          |         |                     |         |                      |                     |       |                         |            |                        |
| 90   | 195        | 193            | 50                     | Peusy    | 0      | 33      | 10       | 250     | SLT                 | 220     | 4                    | 1019.0              | 45    | 43                      | 5.05       | 7                      |
| 07   |            |                |                        |          |        |         |          |         |                     |         |                      |                     |       |                         |            |                        |
| 8    | DNO        | STATIC         | , y                    | CUR      | 73     | 280     | 14       | 280     | SLT                 | 220     | 4                    | 1020,0              | 48    | 44                      | ١          | 0                      |
| 60   |            |                |                        |          |        |         |          |         |                     |         |                      |                     |       |                         |            |                        |
| 9    | 8.8        | 189            | 8/11                   | CLR      | 12     | 365     | 13       | j       | ١                   | ١       | ı                    | 1021.1              | 15    | 43                      | ડ          | -                      |
| Ę    |            |                |                        |          |        |         |          |         |                     |         |                      |                     |       |                         |            |                        |
| 12   | 0 NO       | TAT            | Sol                    | CLR      | رج     | 275     | 14       | 275     | PCTP                | 1       | 1                    | 1022.4              | 7.7   | و                       | ટુ         | _                      |
| 13   |            |                |                        | 1        |        |         |          |         |                     |         |                      | El.                 |       |                         |            |                        |
| 14   | 188        | 187            | 150                    | crsd     | 10     | 212     | 13       | 275     | 308                 | 230     | 7                    | 1022.7              | 46    | નહ                      | 2.3<br>2.3 | Q.                     |
| 2    |            |                |                        | _        |        |         |          |         |                     |         | ı                    |                     |       |                         |            |                        |
| 16   | 3          | とっしょしの         | 2                      | ceby     | õ      | 260     | 12       | 280     | 202                 | 230     | 5                    | 1.2201              | 5٥    | 47                      | 05 AC      | 2                      |
| 4    |            |                |                        |          |        |         |          |         |                     |         |                      |                     |       |                         |            |                        |
| 8    | Dis        | 510            | 013                    | CLDY     | 10     | 212     | 07       | 275     | KIP                 | 250     | 4                    | 1.220               | B     | 47                      | AcCs       | б                      |
| 10   |            |                |                        |          |        |         | 4        |         |                     |         |                      |                     |       |                         |            |                        |
| 8    | B          | STATISAL       | ٠,                     | FCA      | 40     | 292     | 8        | 592     | KIP                 | 230     | 4                    | 1022.4              | B     | 4                       | ABCS       | Ь                      |
| 77   |            |                |                        |          |        |         |          |         | h                   |         |                      |                     |       |                         |            |                        |
| 22   | <i>y</i> 3 | 1747           | S                      | といり      | و      | 245     | σ        | 345     | RIP                 | ١       | j                    | 4.6601              | 7     | ሪን                      | źζ         | ٦                      |
| 23   |            |                |                        |          |        |         |          |         |                     |         |                      |                     |       |                         |            |                        |
| 24   | SO         | STAT           | S<br>S                 | CLR      | o      | 355     | ٦        | 255     | RIP                 | ١       | 1                    | 1023.6              | ٤     | アゴ                      | 5T         | 60                     |
|      |            |                |                        |          |        |         |          |         |                     |         |                      |                     |       |                         |            |                        |
| 25   | STEAMING   | TOTA<br>STEAMI | STEAMING<br>TME        | DISTANCE | - X    | TOTAL   | CONSUMED | ED (ED  | FUEL OIL<br>ON HAND |         | LUB. OIL<br>CONSUMED | LUB. OIL<br>ON HAND |       | FRESH WATER<br>CONSUMED | <u> </u>   | FRESH WATER<br>ON HAND |
| Ē Q  | N O        | DAYS HRS.      |                        | 102.7    | 986    | 867.5   | 11511    |         | 645312              |         | B                    | 550                 |       | `                       | 6363       | ı                      |
|      |            |                | -                      |          | -JI I  | -       |          | -11     | ,                   |         |                      |                     | MAL:  |                         | myr.       | , age                  |

| SEIVED               | 뒿         | £                     |                |  |
|----------------------|-----------|-----------------------|----------------|--|
| FRESH WATER RECEIVED |           | ¥U\$                  |                |  |
| FRESHY               |           | THEATED               |                |  |
| LUB. OIL RECEIVED    | CAL       |                       |                |  |
| LUB. OIL             |           | TYPE                  | .00            |  |
| FUEL OIL RECEIVED    | GAL       |                       |                |  |
| •                    |           | TYPE                  | ő              |  |
| Ę                    | ARRYING   | FWD.                  | AFT.           |  |
| DRAFT                | DEPARTING | FWD.                  | DEV. AFT.      |  |
| COMPASS              | ayro      | STAND.                | DEV.           |  |
| DETENTION            | HR. MK.   | TOTAL                 | HR.<br>7 30    |  |
| STATION TIME         | 724 CO #5 | TOTAL<br>STATION TIME | DAYS HRS. MIN. |  |

POSITION BY OBSERVATION

LEGEND 1 CELESTAL 3 VISUAL 2 ELECTRONIC 4 D.R.

| TIME 0400 TYPE OBS. 2 |           | 1200 .2     | TIME 2000 TYPE      | TYPE OBS. |
|-----------------------|-----------|-------------|---------------------|-----------|
| LATITUDE 59 07.6 N    | LATITUDE  | S6.41.9 W   | LATITUDE 58 53.5 N  |           |
| LONGITUDE 148 38.7 W  | LONGITUDE | 148, So.9 W | LONGITUDE 148° 46,9 | 3         |

### REMARKS

2347 (06) BOWHO ON SICK, 2350 (06) SIF CASZ OBOT FOR STA ATB 3, ODOI POS: SB SS. 2N 347255 AT STA 4811 CTS Drewy 0026 WAVE TO P. STA ATB 3. 0032 0130 HTAVE TO P 0324 325 0232 029 "T FOR STA 4135. A5B 1 way on cruss kmosog let 2. Aws 3/4 outine, source fow in A SS. STW5 @ STA CTD ON DICK, RILIAVED BY CIM J. STAINL THAY 1-14VZ 148 247.5 W, SWITEMYS TO # 2 STEWNY PUMPS 2250 027° FOR STA ATB 1. 0058 Ser 033 0134 Delicher. 40-00 0236 5347

| 0400-0800 JSTALL ON WATCH WITH ARE PERRY & WIERRIMAN AT HELM & LOOKALT. W/W AS BEFORE. 0550 CSE 0709, 1/5 TO 100 RPM. 0479 LANE TO AN STAP ATEO, 1 59°11, 57° N N 148° 36.14° W. CTD IN THE WATER & 0448 CTD ON DECK, MICH DEPTH 176 DB. 0449 CSE 196°T, 1/5 TO 100 RPM. 0575 HAVE TO ON STAP. ATEO 1 (TD IN THE INDITER. 1 59°06, 97°1 N 148° 38, 89°1) NSAM ATEO 1 NOW WAS N |
|--|
| 195° 1/5 TO LOOK PM. 0634 HAVE TO AN STA GAST-10GBS. 0637 CTD IN THE WATER, Y L 59° 00. 998'N SA 148° 55° CTD IN THE WATER, Y L 59° 00. 998'N STA ATBS. CTD IN THE WATER 158° 58.00'N X 148° 44.75 IN. 0745 WATCH RELIEDED BY 3 IM SCANIAND.   |

NO HELO COURSE 188°T 189° PLC 148°PSC FOR ATAS AT 100 RPMs, CTD ATAS DPCYD 148°49.W. 1036 ON DECK. COURSE 186°T FOR 68-12. 1144 WATCH 197°T AND 100 RPM > FOR ON STA TO 28000. OSOO-1200 E.SCANLAND ON WATCH WARDS GOODMAN AND WYLLE W 10. Ch 821 58°53.45N RELIEVED BY DIM J. GALL. & Aranland D806 ON DECK 0552 CTD 68-11 DPLYD AT LTD DE OTH 58°47 66 N BEFORE

1335 CTD ON DECIL. 1338 STT 1454 CTD METERNA OF DICK CREW ON DECIC. 1457 SET CRSE OIS T FOR STA ATST, ISYS RELIGIOUS BY CLM JUSTAHL JOHN 23/82 190.0 169° to FOR SABY, 1431 MANE TO BOTH SABY. 1434 CTD Delicy W. P2384BLE 1242 SZF CRSE 12-16 JAGU DN WATER. 1145 HAVE TO @ STA GB-12. 1045-1155 ETD WINCH OPMAROUS ON DECK. TO O STAY ASB 7, 1317 CTD DISTORDED 1240 CYD CTS DEPROYED. RE JI 300 126 conducted by care barney 11. JUN 1 FAILVRZi 314 Yes Connays 2525

L58°36.71'N > 148'50.04'W. 1618 CTD ON DECK, MAY DEPORT 113 DB. 1619 (36 015'T, 18 TD 100 RPM. 1704
AL STAP ON STAGEST. CTD IN THE WATER L58'47.05'N > 148'56.0'W. 1715 CTD 1, M. DEPORT 206 DB. 1731 18 1600-2000 J.STAHL ONLWATCH WITH ABS PERRY & MERRIMAN AT HELM & LABOUT. WAS BEFARE, 1550 ABS AFT & WINDELS CRATROLS FOR CTD UPS. 1558 HAVE TO AND STA-ATBJ, CTD AN THE WATER. 1600 CTD V, L58°36.71 N.X. 148°53.04°W. 1618 CTD ON DECK, MAY DEPOTH 112 DBS. 1619 CSE 015°T, 1/5 TO 100 R.PM. 1704 P Chr ETD DAI DEAK LSS 47. 5 1/1 148 51. 5 W 1732 CSE 015 G, 1/5 TO LOOK RM. 1809 HAVE TO ON STATION ATES. 1819 CTD IN THE WATER, 4, L58 48.01 N > 148 49.27 W. 1848 CTD ON DEAK, M. DEPTH 250 DB. 1849 CSE 006°T, 1/5 TO 100KPM. 1936 HAVE TO AN STA GIBII. 1938 CTD IN THE WATER, I LSB'53.58'N NIG8" S Sie 47.06 'W. 1945 WATCH KELIEVED BY 3 MM SCANLIAND

SORPMS 2050 CTD ATB3 DPLYD AT 58057 9 N 148° 44 03W TO 251 DB. RIBS ON DECK. DEPLOYING WIGHT CRANE SWING CID DEPTH 020°T, 90 RPMS TO STA 6B5/6AKK , 2208 CTD DPLYD AT 59°00, 91N 3337 13°T AND 100 RPM> SWING LEFT OR RICHT PROCEED TO STA ABBIA 1.5 MILES AWAY, OIT AT 148° 42.1 W TO 2250B 2237 CTD ABBARD APPLETON CRANE FOUND 2000-2400 E SCANLAND ON WATCH W/ ABS 6000MAN AND WYLLE tranland ENROUTE TO ATB3 AT COURSE AT 5402,740 148,40.63 W WATCH RELIEVED BY ON DECK. A332 CTD BRLYD 3010 28% DB. 2345

DATE +8(4) ZONE DESCRIPTION

THU OB WAY 2003

BERTH

1cm0309 AT/ON CRUISE

# OBSERVATIONS WEATHER

| THUE   OTTO   STAND    |      |      | COURSE |                        | язн   | YTIJ  | M        | WIND  | S       | SEA                 | AS.     | SWELL               | 1                   | TEMP.       | IP.                     | CLO         | CLOUDS                 |
|--|------|------|--------|------------------------|---|-------|----------|-------|---------|---------------------|---------|---------------------|---------------------|-------------|-------------------------|-------------|------------------------|
| STATION RULY 10 225 07 225 R.P. 1428 - 152  STATION CLOY 5 170 10 170 R.P. 215 3 167  STATION CLOY 5 170 10 10 170 R.P. 215 5 102  STATION CLOY 5 170 10 10 10 255 7 215 5 102  STATION CLOY 5 170 10 10 10 215 27 3 102  STATION CLOY 5 170 10 10 10 25  7 215 5 102  STATION CLOY 5 170 10 10 10 25  7 215 5 102  STATION CLOY 5 170 10 10 20 31T 215 5 102  STATION CLOY 5 170 10 10 20 31T 215 5 102  STATION CLOY 5 170 10 10 20 31T 215 5 102  STATION CLOY 5 085 30 085 3LT 145 5 103  STATION CLOY 5 085 30 085 3LT 145 5 103  STATION CLOY 5 085 30 085 3LT 145 5 103  STATION CLOY 5 085 30 085 3LT 145 5 103  | ZONE |      | GYRO   | STAND.<br>OR<br>STEER. | TABW  | AISIB | DIRECT.  | FORCE | DIRECT. | CONDIT.             | DIRECT. | неіант              | BARO.               | DRY<br>BULB | WET                     | TYPE        | AMOUNT                 |
| ON STATION CLOY 10 225 07 225 6.P 4068 - 102  267 265 233 CLOY 8 210 06 210 6.P 102  ON STATION CLOY 5 170 10 170 RIP 726 3 107  ON STATION CLOY 5 170 10 170 RIP 726 3 107  ON STATION CLOY 5 160 10 160 8.T 215 5 102  ON STATION CLOY 5 160 10 160 8.T 215 5 102  ON STATION CLOY 5 160 10 160 8.T 215 5 102  ON STATION CLOY 5 160 10 160 8.T 215 5 102  ON STATION CLOY 5 170 10 110 150 8.T 215 5 102  ON STATION CLOY 5 160 10 160 8.T 215 5 102  ON STATION CLOY 5 160 10 160 8.T 215 5 102  ON STATION CLOY 5 100 10 150 8.T 215 5 102  ON STATION CLOY 5 100 10 150 8.T 215 5 102  ON STATION CLOY 5 100 10 150 8.T 215 5 102  ON STATION CLOY 5 085 30 085 8.T 215 5 102  ON STATION CLOY 5 085 30 085 8.T 215 5 102  ON STATION CLOY 5 085 30 085 8.T 215 5 102  ON STATION CLOY 5 085 30 085 8.T 215 5 102  ON STATION CLOY 5 085 30 085 8.T 215 5 102  ON STATION CLOY 5 085 30 085 8.T 215 5 102  ON STATION CLOY 5 085 30 085 8.T 215 5 102  ON STATION CLOY 6 085T 8 1000  ON STATION CLOY 6 1000  ON STATION CLOY 6 1000  ON STATION CLOY 7 1000  ON      |      |      |        |                        |   |       |          |       |         |                     |         |                     |                     |             |                         |             |                        |
| 267 265 253 CEN 8 210 CE 210 C.P - 192  ON STATION CLOY 5 170 D5 158 KIP 726 3 167  ON STATION CLOY 5 170 D0 170 KIP 315 3-3 102  ON STATION CLOY 5 110 D0 170 KIP 315 3-3 102  ON STATION CLOY 5 160 10 160 S.T 215 5 102  ON STATION CLOY 5 160 10 160 S.T 215 5 102  ON STATION CLOY 5 160 10 160 S.T 215 5 102  ON STATION CLOY 5 160 10 160 S.T 215 5 102  ON STATION CLOY 5 160 10 160 S.T 215 5 102  ON STATION CLOY 5 160 10 160 S.T 215 5 102  ON STATION CLOY 5 160 10 160 S.T 215 5 102  ON STATION CLOY 5 100 10 100 S.T 215 5 102  ON STATION CLOY 5 100 10 10 100 S.T 215 5 102  ON STATION CLOY 5 100 10 10 10 10 10 10 10 10 10 10 10 10   |      | 40   | SCATI  | 3                      | Rewort  | 01    | 225      | 60    | 225     | 618                 | NAOR    | 1                   | 1.7261              | 46          | ۲۸                      | AS          | 2                      |
| 267 265 283 CENT 8 210 06 210 R.P 102  ON STATION CLOY 5 170 10 170 R.P 276 3 167  ON STATION CLOY 5 170 10 170 R.P 215 3-3 163  ON STATION CLOY 5 170 10 10 170 R.P 215 3-3 163  ON STATION CLOY 5 170 10 10 170 R.P 215 3-3 163  ON STATION CLOY 5 170 10 10 170 R.P 215 5 102  EM STATION CLOY 5 170 10 10 170 R.P 215 5 102  ON STATION CLOY 5 170 10 10 150 SLT 215 5 102  ON STATION CLOY 5 170 11 170 SLT 215 5 102  ON STATION CLOY 5 055 30 085 5LT 145 5 102  ON STATION CLOY 5 055 30 085 5LT 145 5 102  ON STATION CLOY 5 055 30 085 5LT 145 5 102  ON STATION CLOY 5 055 30 085 5LT 145 5 102  ON STATION CLOY 5 055 30 085 5LT 145 5 102  ON STATION CLOY 5 055 30 085 5LT 145 5 102  ON STATION CLOY 5 055 30 085 5LT 145 5 102  ON STATION CLOY 5 055 30 085 5LT 145 5 102   |      |      |        |                        |   |       |          |       |         |                     |         |                     |                     |             |                         |             |                        |
| ON STATION CLOY 5 170 05 — CRUM 220 3 107  ON STATION CLOY 5 170 10 170 RIP 220 3 107  ON STATION CLOY 5 170 10 170 RIP 220 3 107  ON STATION CLOY 5 170 10 10 170 RIP 220 3 102  ON STATION CLOY 5 160 10 160 SLT 215 5 102  ON STATION DUST 8 170 10 10 130 SLT 215 5 102  ON STATION DRIZ 5 085 15 085 5LT 145 5 102  ON STATION DRIZ 5 085 30 075 5LT 145 5 102  ON STATION DRIZ 5 085 30 075 5LT 145 5 102  ON STATION DRIZ 5 085 30 075 5LT 145 5 102  ON STATION DRIZ 5 085 30 075 5LT 145 5 102  ON STATION DRIZ 5 085 30 075 5LT 145 5 102  |      | 267  | 265    | 233                    | -   | 20    | 210      | ၁၀    | 210     | 2.5                 | 1       | í                   | 1023.5              | 3           | 7                       | SC          | ٦                      |
| ON STATION CLOY 5 150 05 CALM 27.0 3 107  ON STATION CLOY 5 170 10 170 RIP 22.0 3 107  ON STATION CLOY 5 170 10 170 RIP 22.0 3 107  ON STATION CLOY 5 150 8 RIP 215 3-3 103  ON STATION CLOY 5 150 10 10 170 RIP 22.5 5 102  CAL STATION CLOY 5 150 10 10 170 RIP 21.5 5 102  CAL STATION CLOY 5 150 10 10 170 RIP 21.5 5 102  CAL STATION CLOY 5 150 10 10 170 RIP 21.5 5 102  ON STATION OCST 5 085 15 085 5.T 145 5 103  TRAINING STATION OCST 5 085 30 085 5.T 145 5 103  TRAINING STATION OCST 5 085 30 085 5.T 145 5 103  TRAINING STATION OCST 5 085 30 085 5.T 145 5 103  TRAINING STATION OCST 5 085 30 085 5.T 145 5 103  TRAINING STATION OCST 5 085 30 085 5.T 145 5 103  TRAINING STATION OCST 5 085 30 085 5.T 145 5 103   |      |      |        |                        |   |       |          |       |         |                     |         |                     |                     |             |                         |             |                        |
| STRTION   19651   3   150   05   153   KIP   726   3   167   170   |      |      | รณาก   | , N                    | 2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>200 | 4     | 130      | 95    | }       | CAUM                |         |                     | I "∗I               | 46          | 45                      | J.S         | 10                     |
| 0N STATION CLOY 5 170 10 170 RIP 720 3 107  ON STATION CLOY 5 170 10 170 RIP 215 3-3 102  ON STATION CLOY 5 150 8 — RIP 215 3-3 102  ON STATION CLOY 5 150 10 10 170 RIP 215 3-3 102  ON STATION CLOY 5 170 10 10 170 RIP 215 5 102  SS 356 346 DLST 7 120 11 120 SLT 215 5 102  ON STATION DRIZ 5 085 30 085 5LT 145 5 102  ON STATION DRIZ 5 085 30 085 5LT 101  TRAING STRING DRIANG DIST RAING DRIVED ON SHAND ONE ON SHAND ON SHA     |      |      |        |                        |   |       |          |       |         |                     |         |                     |                     |             |                         |             |                        |
| 0N STATION CLOY 5 170 10 170 RIP 215 3-3 102  ON STATION 6CST 5 150 8 RIP 215 3-3 102  ON STATION 6CST 5 150 8 RIP 215 5 102  ON STATION 0CST 7 100 10 10 100 SLT 215 5 102  SSO 356 340 0CST 7 100 11 10 100 SLT 215 5 102  ON STATION 0CST 7 100 11 100 150 SLT 216 5 102  ON STATION 0CST 5 085 30 075 SLT 195 5 101  TRAINING TOWN THE URL ON THAT IN THE OIL ON MAND CONSUMED   |      | INO  |        | Na                     | 1.655   | 3     | <u>R</u> | 50    | 129     |                     | 222     | 3                   | 5-2291              | 917         | 45                      | 35          | ٩١                     |
| 0N 5TATION 6C5T 5 150 10 170 RIP 215 3-3 102  ON 5TATION 6C5T 5 160 10 160 SLT 215 5 102  ON 5TATION 6C5T 7 160 10 160 SLT 215 5 102  ON 5TATION 6C5T 7 160 10 150 SLT 215 5 102  ON 5TATION 6C5T 7 170 11 170 11 145 5 101  ON 5TATION 6C5T 5 055 30 075 5LT 145 5 101  TEMINO 8TRING 6C5T 5 055 30 075 5LT 101  TEMINO 8TRING 6C5T 5 055 30 075 5LT 101  TEMINO 8TRING 6C5T 5 055 30 075 5LT 101  TEMINO 8TRING 6C5T 5 055 30 075 5LT 101  TEMINO 8TRING 6C5T 5 055 30 075 5LT 101  TEMINO 8TRING 6C5T 5 055 30 075 5LT 101  |      |      |        |                        |   |       |          |       |         |                     |         |                     |                     |             |                         |             |                        |
| ON 5TATION 6C5T 5 150 8 — RIP 215 3-3 162  ON STATION 6C5T 5 150 10 160 5CT 2.5 5 102  ON STATION 6C5T 8 150 10 150 2LT 215 5 102  ON STATION 6C5T 8 150 10 150 2LT 215 5 102  ON 5TATION 6C5T 7 170 11 170 5LT 145 5 102  ON 5TATION 6C5T 5 085 30 085 5LT 145 5 102  TRAMNO STRAING DISTANCE DISTANCE CONSUMED ON STRAING DISTANCE DISTANCE ON SUMBLED   |      | 2    | STAT   |                        | CLDY  | 5     |          | 0     |         | ď                   |         | - N                 | 1023.4              | ر<br>ر      | ر<br>س                  | ر م<br>د کا | 01                     |
| 0N STATION 6CST 5 150 8 — RIP AIS A-3 162  ON STATION OCST 7 150 10 100 SLT 215 5 102  SM STATION OCST 7 120 10 130 SLT 215 5 102  ON STATION OCST 7 120 11 120 SLT 215 5 102  ON STATION OCST 5 085 15 085 SLT 101  TEAMING STAMING DISTANCE DISTANCE CONSUMED ON HAND ON STATION OCST 5 1057  TEAMING STAMING DISTANCE DISTANCE CONSUMED ON HAND ON STATION OCST 5 1057  TEAMING STAMING ON STANCE DISTANCE CONSUMED ON HAND ON STATION OCST 5 1057  TEAMING STAMING ON STANCE DISTANCE CONSUMED ON HAND ON STATION OCST 5 1057  TEAMING STAMING ON STAMING OF STANCE OF STANCE CONSUMED ON STATION OCST 5 1057  TEAMING STAMING OF STANCE OF STANCE ON STANCE ON STANCE ON STANCE ON STANCE OF STANCE O     |      |      |        |                        |   |       |          |       |         |                     |         |                     |                     |             |                         |             |                        |
| SCATION OCST S 160 10 160 SLT 215 S 102  SCATULON OCST 8 150 10 150 R.P 215 S 102  STATION OCST 8 150 10 150 SLT 215 S 102  STATION OCST 8 085 15 085 SLT 115 5 102  STATION OCST 5 085 30 085 SLT 1195 5 102  STATION OCST 5 085 30 085 SLT 101  |      |      | STAT   | 3                      | 0C5 T   | งว    |          | ⋈     | j       |                     | 215     | 1.4                 | K.                  | 48          | 9                       | 57          | 0                      |
| 0.00 STATION OCST 7 160 10 160 SLT 215 5 102  0.00 STATION OCST 7 150 09 150 RIP 215 5 102  350 356 346 0CST 7 170 11 176 SLT 216 5 102  0.00 STATION OCST 5 085 30 085 SLT 195 5 103  TRANSO STATION OCST 5 085 30 085 SLT 101  TRANSO STATION OCST 5 085 30 085 SLT 101  TRANSO STATION OCST 5 085 30 085 SLT 101  TRANSO STATION OCST 5 085 30 085 SLT 101  TRANSO STATION OCST 5 085 30 085 SLT 101  |      |      |        |                        |   |       |          |       |         |                     |         |                     |                     |             |                         |             |                        |
| STATION   DEST 8   130   10   130   10   100     |      |      | [-     | 70                     | 00% T<br>P. Fuh   | 8     | 160      | 01    | 160     | 272                 | 2,5     | S                   | p.8501              | ርት          | 7,                      | 24          | 10                     |
| STATION   OCST   150   09   150   010   215   5   102   25   102   25   24   25   24   25   25   25   2  |      |      |        |                        |   |       |          |       |         |                     |         |                     |                     |             |                         |             |                        |
| STATION   DOST     120   10   130   SLT   215   100   356 346   DOST     120   |      | 0    | טש ע   | 2                      | 2500  | ۲     | iSo      | 40    | 150     | 42                  | 215     | 8                   | أند                 | 86          | و.<br>ح                 | 24          | õ                      |
| STATION   DOST   120   10   150   SLT   215   5   107   350 346   DOST   170   11   120   SLT   210   5   107   STATION   DOST   5   085   5   085   5   T.     -  |      |      |        |                        |   |       |          |       |         |                     |         |                     |                     |             |                         |             |                        |
| 556 346 003T 7 120 11 126 SLT 216 5 102  5TATION 065T 5 085 30 085 5LT 101  |      |      | STATA  | NO                     | Dest.   | 00    | 130      | 10    | 13.6    | SLT                 | 215     | S                   |                     | 49          | 4                       | ST          | 0                      |
| 556 346 009T   126   11   126 SLT   216   5   107  |      |      |        |                        |   |       |          |       |         |                     |         |                     |                     |             |                         |             | •                      |
| STATION DRIZ   |      | 35   | 356    | 3g                     | DCST  | -     | ج        | =     | 2       | Str                 | 210     | N                   | - 1                 | 43          | 3                       | 3654        | 01                     |
| STATION DRIZ   |      |      |        |                        |   |       |          |       |         |                     | Ī       |                     |                     |             |                         |             |                        |
| ON STATION         0 65T         5 0 85         30 0 85         3して  |      | 2    | STAT   | 20)                    | בושם  | Ŋ     | ીજ       |       | 085     |                     | 5       | 5                   | 1021.2              | Sh          | 43                      | 5C          | 01                     |
| OJ STATION   0 45T   5   0 85   30   0 85   54T   -   1014        |      |      |        |                        |   | L     |          |       |         |                     |         |                     |                     |             |                         |             |                        |
| TOTAL TOTAL TOTAL FUEL OIL FUEL OIL CONSUMED ON HAND CONSUMED CONS |      | - 1  | TATIO  | Š                      | 0 65 T  | S     | 0 85     | 30    | 580     | シトエ                 | į       | 1                   | 1019.5              | 9           | 43                      | 1           | 0                      |
| TOTAL FUEL OIL FUEL OIL LUB OIL TOTAL FOLEL OIL FUEL OIL LUB OIL CONSUMED ON HAND CONSUMED CONSUMED  |      |      |        |                        |   |       |          |       |         |                     | i       |                     |                     |             |                         |             |                        |
| DAYS MRS. MIN.   |      | TIME |        | AL<br>KING             | DISTANCE  |       | TOTAL    | FUELC | ED .    | FUEL OIL<br>ON HAND |         | LUB, OIL<br>PASUMED | LUB. OIL<br>ON HAND |             | FRESH WATER<br>CONSUMED | ╟──┼        | FRESH WATER<br>ON HAND |
| 1 23 00 100 h 946 1 1698 162635 60   |      | Z Z  | á      |                        | 4 00  |       | 6 1      |       |         |                     |         |                     | 240                 | -           |                         | KC23        | 74                     |

POSITION BY OBSERVATION

FUEL OIL RECEIVED

3 VISUAL 4 D.R. LEGEND 1 CELEBTIAL 2 ELECTROMIC

58:36.8 N TIME 0400 TYPE 088.
LATTUDE 59 10.4 N
LONGITUDE 149 24.5 W

### REMARKS

PROPRESS. SWITCHED TO #1 STEM WA PUMPS. 2359(07) CTD ONDZCK, 0001 POS. 59 03.BD AND # 2 WILMS (2/3/4 OULUS), OZOI CTD ON DICK, OZOY 265, PKC / 233, PSC ONOS STT WAS DIBYTFOR STA ATS D. OND HAVE TO B 0010 SET CR32 DIG"T FOR STA ATRI, 0035 HYAVE TO B STA ATRI, 0038 ONLINE ON STA ATBIA-ASS BRUNST AND MILLING 5205 # 3 14 Roms CRUISE 1640309 CZ4 2. J. STAUL and cto bylogy 2.544 0345 Recients UNDUMAY ON AGBO. 148" 40.8W. CVED BURLOHUS Cass F0 - 00

| 0400-0800, 1STAHL COLUMPTOH WITH ABOS PERRY & WIDGRIMAN AT HELIM & LOKALIT. WIN AS BETARE, 0445<br>HOVE TO ON STATION ATD 9. 0448 CITD IN THE WATER, 0452 CID \$ 159° 09. 696, U.S. 149° 28.572'W.  | SECUNED #4 SSDG. 0540 HOVE TO ON STA ATD 8. 0546 CTD IN THE WATER & LEGIODS, 77/12 149"37.334   | 0552 CTD 11 + FS 208 DB. OBOS CTD ON DECK ORAG CSK 169°T, 15 100 KPM (1ATE: 0513 CTD STA ATDG AN DECK.   | CSELLED I 1/5 TO LOOK PLM). clode Hove to MI STA ADT 7. Ob49 CTD MITHE WATER. Ob50 CTD & 159°01.98'N | 2149 35.69 W. OTP CTD ON DECK. OTIS ESE 1749 1/3 TO 100 RPM. OTAS WATCH PELIDIE'S BY | OGO-OSOO, ISTAHI, OSIGNATCH WITH ARS PERRY & WERRINARY AT HELMN & LOKALT. Wed AS BETARE, 0445 HOVE TO WISTRAMM ATD 9. OA48 CTD IN THE WATER, 0452 CTD \$1 159° 09. 69°, W. 149° 28.577° W. SECURED #4 SSDG. OS40 HOVE TO M STR ATD 8. O546 CTD IN THE MATER, \$1 159° 06. 77° \lambda 1. 150° 06. 17° \lambda 1. 150° 06. 17° \lambda 1. 150° 06. 18° \l |
|---|---|--|--|--|--|
| SECURED #4 SSDG. 0540 HOVE TO AN STA ATD 8. 0546 CTD IN THE WATER, Y, L 59° 06. 77/12, 149° 27. 330, 0552 CTD 1-45/208DB OADS CTD AND DECK. OADS CTD AND AND TO AND THE WATER. OBS CTD STA ATDG AND TECK.  1556 166 T 15 TO LOOK PM). CLAB HOVE TO AN STA ADT 7. OB 47 CTD AN THE WATER. OBS CTD Y 159° 01.98°/1  2. 149° 35. 69°/11. 0717 CTD DN DECK. 0713 CSE 1749 T, 18 TO 100 R PM. 0745 WATER RELIEVED BY | 0552 CTD M, FB 2080 B. OBAB CTD ON DECK. CANA CSE 169°T, 1/5100 RPM. (1ATE: 0513 CTD STA ATDS AND TECK. CSE 166°T, 1/5 TO 100 RPM). C646 HONE TO AN STA ADT 7. OB41 CTD M THE WATER. 0650 CTD & 155°01.98'N 2149°35.69'N. 0717 CTD ON DECK. 0713 CSE 174°T, 1/5 TO 100 RPM. 0745 WATER REVIEWED BY                      | CSE 166 T (15 TO 100 R.P.M.). c646 HONE TO AN STA ADT 7. O647 CTD MITHE WATER. O650 CTD & 159° 01.98°N.  N. 149° 35.69°L. 0717 CTD DN DECK. 0713 CSE 1749°T, 1/3 TO 100 R.P.M 0745 WATER RELIEBED BY           | 2149 35.69 W. OTP CID ON DERK. OTB ESE 1744, US TO LOORPM. OTAS WARDLEDED BY                         |  | 3/m schalland.   |
| SECURED #4 SSDG. 0540 HOVE TO ON STA PTD 8. 0546 CTD IN THE WATER, Y, 1 59° 06.77/12 1992.3300 0552 CTD 9.77/12 1992.3300 0552 CTD 9.77/12 1992.3300 0552 CTD 9.77 040 0552 CTD 9.77 0510 0510 0510 0510 0510 0510 0510 05  | 0552 CTD M. FF 2080 DB. Obas CTD on DECK. Obas CSK 169°T, 15100 KPM. (1ATE: 0513 CTD STA ATDS AND DECK. CSK 166°T; 1/5 TO 100 KPM). C646 HONE TO AN STA ADT 7. Ob47 CTD M. THE WATER. 0650 CTD & 159°01.98°N.  2.149° 35.69°11. 0717 CTD ON DECK. 0713 CSE 1749°T, 1/8 TO 100 KPM. 0745 WATER RELIEBED BY 3/M SCANLAND. | CSE 166°T, 1/5 TO LOOKPM). c646 HOVE TO AN STA ADT 7. OB41 CTD MITHE WATTER, OBSD. CTD. J. 159°01.98'N.  2149°25.69'LI. 0717 CTD ON DECK. 0713 CSE 174°T, 1/8 TO 100 RPM. 0745 WATCH RELIEVED BY 3/M SCANLAND. | 2149 35.69 61.0717 CTD DN DECK. 0713 CSE 1749, 1/3 TO 100 RPM. 0745 WATCH RELIEDED BY 3/M SCANLAND.  | 3/M SCANLAND   |  |

160° T 162° PEC 128° PSC AND 100 RPMs FOR STA ATDY. 1107 CTT ATD3 EMAS OOL TAT TOO 149° 28.05W TD 158 DB. ON DECK 1128. \* CATE ENTRY: 1008 ENROUTE TO ATD 2 0800-1200 E. SCANLAND ON WATCH W/ABS WYLLE AND GOODMAN, 0157 CTD FUR STA ATO 5, 0902 CTD DPLYD AT 58°51. ARN 149° 32.04 W. 0928 ON DECK Granlard COURSE CTD ATDY DPLYD AT 58°46 98 N 149°39.98 W. 1028 ON DECK\* OSAI CTD ABOARD. COURSE 165° T, 100 RPMS RELIEVED BY WIM J GALL. P DPLYO AT 58°56 44 N 149°34.65W. DPLYD AT 58°42 46 N COURSE

CTD Derest W. 1259 CTD WDICK. 1301 SIF ORSE 170'T FOR 10m Rease, 1249 STA ATD 1. 1336 HAVE TO @ STA ATD 1. 1339 CTD DIVIONID. 1359 CTD ON SCCIC. 1404 1230 SET CASE STA ATD Z. 1508 CTD DULLIND. 1529 CTD ON DICK. 1533 STF CRIT 3577 FOR 12-16 J. A.L. ON WARY. ASS BLUNST AND MILLIR ASSISTING WITH DICK OPERATIONS פדט פא מקבונ. DIRECTUR 81 URB TO RECURN TO STA ATDZ FOR 350. T FOR 1227 BONLO DEPLOTUS 1418 BONLO ON DECK, 1425 SET CASS 1205 CTD DEPLOYIB. ATD 3. 1545 ALLIEVIS BY C/m J. STAHL JUBA ATD 2, 1252 1200 HMV2 TO @ STA ATD 2. 1234 14 MUZ TO @ SEA AT51 God State TO (8)

le Seellom 1742 HDG 125°G, 1/3-TB 2.0 LCTS. 1744 B.NETS STREAMED AFT. 1808 B. NETS ON DECK. 1811 SET CSE 344°T. 1600-2000 I STALL ON WATCH WITH ABO PERRY & MERRIMAN AFT AT WINCH & CRANE CONTRAIS. WAS AS BEFAKE. 1605 HOVE TO ON STA ATD 3. 1609 C.TO IN THE WATER, & LSS 42.53'N X. 149"27.97 in . 1616 CTD A 160DB. 1629 ATD ND DEAK. SET USE 3444, 1/3 TO 100KPM. 1705 ACC 5701 ON STO # ATDY 1717 CTO DEPOTE @ L 58"47.00" / 149.30,10" & 125 CTO BEPTH 194 194 1141 CTD ANDERK. 25 115 TO 100 KPM. 1855 HAVE TO AND STA ATD S. 1850 CITO IN THE WATER & LSB SI. 36'N > 149"57.02 1,224 DB. 1972 CTD ON DECK. 1973 1/3 TO 50 KRM. STED PROF MUTTER SHLTDOWN STED PROP MOTER ON LINE, 18-TO LOOKPM P/S. 1945 WATCH KELIEVED BY 3/m SCANLAND IGET CITS

2000-2400 E.SCANLAND ON WATCH W/RBS WYLLE AND GOODMAN. U/W AS BEFORE ABAY CITO ATD & DPLYD AT 54'06.18N 149'31.23W. A345 WATCH RELIEVED BY alm 2010 CTD ATD 6 DRYD AT 58°56.65N 149°34.02 TO 238 DB. 2632 ON DECK 2035 AZZY ON DECK. COURSE 349°T, 100 RPM3 FOR NEXT STA 344° PSC, AT 100 RPMS FOR STA ATD T. 2156 CTD ATD T DPLYD AT 59°01.95~ SET CROE BONGO DRUTD AT 58 56 48N 144" 33, 92, 2059 ON DECK. 149°35.73 W TD 234 DB. Azanland <u>ر</u> J. CALL.

DATE FRI

+6(0) ZONE DESCRIPTION

ATION CRUISE KM0309

BERTH

# WEATHER OBSERVATIONS

|           | I                      | li . | 1              | _ |            |    |                 |    |          |   |           |             |        | ,  |        |   |        |   |                      |   |         | , . |        |    |        |          |                      |               |
|-----------|------------------------|------|----------------|---|------------|----|-----------------|----|----------|---|-----------|-------------|--------|----|--------|---|--------|---|----------------------|---|---------|-----|--------|----|--------|----------|----------------------|---------------|
| CLOUDS    | AMOUNT                 |      | ة              |   | 5          |    | 0               |    | 10       |   | 2         |             | 0      |    | 0,     |   | 0.1    |   | 10                   |   | 01      |     | 0)     |    | 10     |          | FRESH WATER          | 83 aal.       |
| CLO       | TYPE                   |      | SYS            |   | 27.8       |    | क्रमान्ड        |    | STNS     |   | 54<br>8.5 |             | 57     |    | \$7    |   | ST     |   | ST                   |   | ST      |     | 57     |    | 57     |          | ⊩                    | <del></del> . |
| <u>a:</u> | WET                    |      | Y.             |   | 77         |    | #               |    | 44       |   | ٤٦        |             | ブ<br>ブ |    | 46     |   | 46     |   | 45                   |   | 43      |     | がより    |    | 43     |          | FRESH WATER          |               |
| TEMP.     | DRY                    |      | ÷              |   | 3          |    | 45              |    | 45       |   | ۶ħ        |             | ላን     |    | 43     |   | 46     |   | 44                   |   | 45      |     | 45     |    | ブァ     |          | ┢                    | <u>'</u>      |
|           | BARO.                  |      | 1.0101         |   | 1017.6     |    | 1014.5          |    | 1012.4   |   | 1011.2    |             | 1010.3 |    | 9.8001 |   | h-9001 |   | 0.9001               |   | 1004.8  |     | 1005.0 |    | 1006.7 |          | LUB. OIL             | 490           |
| SWELL     | неюнт                  |      | ١              |   | ١          |    | 1               |    | 1        |   |           | }1-0i       | 01     |    | 12-14  |   | 12-14  |   | 14                   |   | 14      |     | 10-12  |    | ١      |          | LUB. OR.             | OAL.          |
| SW        | DIRECT.                |      | Sorro          |   | Sano       |    | -               |    | {        |   | ١         | )           | 160    |    | 160    |   | نجح    |   | ilsb                 |   | 160     |     | 155    |    | 1      |          | -8                   |               |
| SEA       | CONDIT.                |      | Sit            |   | MOD        |    | MOD             |    | प्रदेश   |   | ROH       |             | RGH    |    | द्रभा  |   | M. R44 |   | प्रदेश               |   | M. RCIF | _   | ROH    |    | ROH    |          | FUEL OIL<br>ON HAND  | 61832 ant.    |
| S         | DIRECT.                | :    | 260            |   | 001        |    | 110             |    | SII      |   | 120       |             | 125    |    | 130    |   | 150    |   | જ                    |   | (45     |     | 175    |    | 081    |          | <u>و</u> د           | GAL.          |
| WIND      | FORCE                  |      | 19             |   | 18         |    | 35              |    | 30       |   | 30        | 36          | 30     |    | 27     |   | 27     |   | 25                   |   | 77      |     | 20     |    | 4      |          | FUEL OIL<br>CONSUMED | 1007          |
| M         | DIRECT.                |      | 560            |   | 100        |    | 110             |    | 511      |   | 120       | <b>GUST</b> | 125    |    | 130    |   | 150    |   | 130                  |   | 145     |     | 175    |    | 180    |          | TOTAL                | 1035.9 MLES   |
| YTIJI     | BISIA                  |      | و.             |   | و          |    | 2               |    | 2        |   | ų         |             | ራ      |    | 7      |   | و۔     |   | 2                    |   | ري      | -   | S      |    | ហ      |          | T SIG                | Es 103        |
| чэн.      | MEA                    |      | (2):<br>(2): N |   | کر<br>چانۍ |    | 25.<br>25.<br>1 |    | New Year |   | 7.8.R     |             | 25.5T  |    | 218Q   |   | 2550   |   | 5.57<br>7.52<br>7.52 |   | S2      |     | OCAST  |    | ocast  |          | DISTANCE             | 67.8 mes      |
|           | STAND.<br>OR<br>STEER. |      | 2              |   | _          |    | 154             |    | N        |   | 135       |             | ı      |    |        |   | 512    |   | 212                  |   |         |     |        |    | 0      |          | ING.                 | NIN.          |
| COURSE    | GYRO                   |      | STATICA        |   | SeATIOU    |    | 170             |    | STATION  |   | 170       |             | 5      |    | 5      |   | 243    |   | 243                  |   | STATION |     | 5      |    | VP.    | <b>L</b> | STEAMING<br>TRUE     | DAYS HRS.     |
|           | TRUE                   |      | 3 6.3          |   | 2 1/0      |    | 170             |    | Jag      |   | 47        |             | £ 5    |    | 14000  |   | 293    |   | 243                  |   | 0       |     | 120    |    | Ź      |          | STEAMING             | O             |
| TIME      | ZONE                   | -5   | 02             | 8 | 2          | 93 | 8               | 20 | 8        | 8 | 2         | F           | 12     | 13 | 14     | 5 | 16     | 4 | 8                    | 6 | 2       | 21  | 22     | 23 | 24     |          | ST                   | E 0           |

POSITION BY OBSERVATION

LEGEND 1 CELESTIAL 2 ELECTRONIC

TYPE

17PE 088. LATTUDE 58° 45.5 N
LONGITUDE 150°01.6 W 56' 40.3 A LATITUDE TIME 0400 TYPEOBS. 7
LATITUDE 59°07.25 N
LONGITUDE 149°37.3°W

### REMARKS

HAUE TO @ STA ATD 10, DING ETD DIRECTO, OZII CTD ON DECK ATB9. 0017 HAUT TO P. STA ATB9, 0049 OTD BIRLOJID, DII3 CTD ON DECK, DIIB SET CESS 0001 Pos: 59°03,74 149°36.8 W, cold bodho on DECK, 0020 SIT CRSZ 332°F FOR STA SWITCHED TO #2 STRAWLY PUMPS. 2348 (08) CTS ON DRCK. 2353(08) BULLA BURGALS F& SOA ATD9 Prounts @ 0340 0231 e/m 5.57914C 346°T FOR STA ATD 10. 0146 ATD 8, 0345 いない way on 843

| ESCO-0800 I STAIL ON WATCH WITH ABS PERRY & MERRIMAN AFT AT WINCH & CRANE CANTROL. WAS AS              |
|--|
| BERRE. 6350 1/5 TO LOARIM. 043 HAVE TO ON SITH ATOS. CITO IN THE WATER. OAT LUBERING CITO, LS9 36. 36N |
| 2149° 37.50 W 0424 CTD 1, 2050B. 0440 CTD DI DECK. CIC 172°T. 15 TO 100 RPM. 0570 HOVE TO ON           |
| STA ATOT 0524 CTO IN THE WATER, J. L 59'02. 02 N X 149" 35.83 W. D631 CTD A 72408, 0548 CTD            |
| DAIDECK, 0550 CIC 170°T, 1/5 TO 100 KPM, 0635 HAVE TO ON STA ATD 6. 0640 CTD IN THE WATER &            |
| 158'SB. 64'N > 149'34.17'W. ob47 cto A, 238 DB. 0701 CtD on DECK. 0707 c/c 188'T. 16 to 100 RPm.       |
| 0742 WATCH RELIEVED BY 3/m SCANLAND  |
|  |

ILLO HEAVE TO INTO SEAS, 45 RPMS, 1138 WATCH RELIEVED BY A/M J. GALL 0800-1200 E. SCANLAND ON WATCH W/ABS GOODMAN AND WYCLE OTST CTD ATDS COURSE 176 T AND NO 1011 . 159 DB. 1101 ON 172°T 170° PUC 135°PSC AT 90 SPM > FOR SITE 149°29.94W AT 58046.94 N 100 RPMS FOR STA ATDY OGIT CTD ATDY DRYD DRLYD RT 58°51.33N 149°32.14 W TO 22506. 58°42.5N 1035 CTD ATD 3 DPLYD AT COURSE 196 DB. 0942 ON DECK Stanland

CO252 2937 12.16 J. CALL ON WATCH ABS BRUNST AND MICINE AT ALLM/ COOKOUT, HOUR TO, AS んないないひ 1455 293 Pac/275 Psc 2111 WWANTE. SGmah SUSPENDED FOR 60 S25 @ RPMS oPs Scialcz e/m 7.55946 55Forz

1600-7000 J. STAHL ON WATCH WITH ABS PERRY & MEKRIMAN ATHELM & LINKAUT. WAS BEFORE. 1804 A/C 788 PGC 1905 B/C TO 280 PGC 760 PGC. 1945 WATCH RELIEND BY 3/M SCANLAND. BALL CAM

2000-2400 E. SCANLAND AN WATCH WARD WYCIE AND WOODMAN, ARRIVED AT AROO ALL SECURE Granland TO. 2030 AOUND COMPLETED 2345 WATCH RELIEVED BY A/M I, GALL 1950 HOVE SELURE.

Joseph Joseph

DATE +8(0) ZONE DESCRIPTION

my 2003

SAT 10

KM0309 AT/ON CRUISE

Foci

BERTH

# WEATHER OBSERVATIONS

| 1000 003T (CLDY 1000 003T (CLD        |        | •          |  | _   | ורו   |         | O. I              | ñ       | VEA                 | A A      | SWELL   |          | =            | TEMP.    | CFC          | CLOUDS  |
|---|--------|------------|--|---|-------|---------|-------------------|---------|---------------------|----------|---------|----------|--------------|----------|--------------|---------|
| To  |        | 2          | STAND.<br>OR<br>STEER.                       | MEA   | BISIA | DIRECT. | FORCE             | DIRECT. | CONDIT.             | DIRECT.  | HEIGHT  | BARO.    | DRY          | WET      | TYPE         | AMOUNT  |
| Cosst 6   195   23   195   196   10   1006.0   46   44   87   19   19   19   19   19   19   19   1  |        |            |  |   |       |         |                   |         |                     |          |         |          |              |          |              |         |
| TO GLATA 6 190 26 190 M2644 180 11 1006.7 43 42 578 11  TO GLATA 6 190 26 190 M2644 180 10-12 1007.6 44 44 141 M557 14  TO GLATA 5 200 27 2.0 M2644 180 10 1008.4 43 42 M557 14  TO OLY CLOY 5 210 15 310 M264 155 8 1009.7 44 44 M57 14  TO OLY CLOY 7 355 06 355 R.P. 190 8 1010.1 46 44 8.P. 10  TO OLY CLOY 7 190 15 190 M20 155 8 1009.2 41 44 8P. 10  TO OLY CLOY 7 190 15 190 190 6 1009.5 46 44 8P. 10  TO OLY CLOY 7 190 190 190 190 190 190 190 190 190 190   | d)     | 0          |  | 0c3r  | و     | 195     | 23                | 195     | M. RAI+             | 170      | 0       | 1008.0   | 7            | 7        | 72           | 0       |
| TO 627 6 190 26 190 m264 180 10-12 1007.6 44 41 M3ST 18 10 10 12 1007.6 44 41 M3ST 18 11 10 12 1        | - 1    | $\neg$     |  |   |       |         |                   |         |                     |          |         |          |              |          |              |         |
| TO LETERAL 6 185 22 20 MKGH 190 10-12 1007.6 44 41 N5ST 11 10 15 210 15 310 MKGH 190 10 1008.4 43 42 N5ST 11 11 11 15 310 MKGH 190 10 1008.4 43 42 N5ST 11 11 11 11 11 11 11 11 11 11 11 11 11  | 4      |            |  | 1.45<br>1.80  | ٥     | 190     | 26                | 0       | M. 25.44            |          | 1.1     | 1008.7   |              | 42       | _            | 0       |
| TO 014 CLDY 5 210 15 210 MKGH 180 10-12 1007.6 44 41 N5ST 11  THE LITTER S 200 22 2.0 MKGH 190 10 1008.4 43 42 N5ST 11  THE LITTER S 200 22 2.0 MKGH 155 8 1009.1 44 41 N5T 11  THE LODD CLDY 5 310 15 310 MOD 155 8 1009.2 46 43 N5ST 11  TODD CCST 8 000 04 000 R.P. 190 8 1010.1 46 44 8CAS 10  TODD CCST 8 000 04 000 R.P. 190 8 1010.2 40 44 8C 10  TODD CCST 8 000 04 000 R.P. 190 6 1009.5 46 44 8CAS 10  TODD CCST 8 000 04 000 R.P. 190 6 1009.5 46 44 8CAS 10  TODD CCST 8 000 04 000 R.P. 190 6 1009.5 46 44 8CAS 10  TODD CCST 8 125 8 - FIP 190 5 1007.0 45 42 8C 10  TODD CCST 8 125 8 - FIP 150 5 1007.0 45 42 8C 10  TODD CCST 8 125 8 - FIP 150 5 1007.0 45 42 8C 10  TODD CCST 8 125 8 - FIP 150 5 1007.0 45 42 8C 10  TODD CCST 8 125 8 - FIP 150 5 1007.0 45 42 8C 10  TODD CCST 8 125 8 - FIP 150 5 1007.0 45 42 8C 10  TODD CCST 8 125 8 - FIP 150 5 1007.0 45 42 8C 10  TODD CCST 8 125 8 - FIP 150 5 1007.0 45 42 8C 10  TODD CCST 8 125 8 - FIP 150 5 1007.0 45 42 8C 10  TODD CCST 8 125 8 - FIP 150 5 1007.0 45 42 8C 10  TODD CCST 8 125 8 - FIP 150 5 1007.0 45 42 8C 10  TODD CCST 8 125 8 - FIP 150 5 1007.0 45 42 8C 10  TODD CCST 8 125 8 - FIP 150 5 1007.0 45 42 8C 10  TODD CCST 8 125 8 - FIP 150 5 1007.0 45 42 8C 10  TODD CCST 8 125 8 - FIP 150 5 1007.0 45 42 8C 10  TODD CCST 8 125 8 - FIP 150 5 1007.0 45 42 8C 10  TODD CCST 8 125 8 - FIP 150 5 1007.0 45 42 8C 10  TODD CCST 8 125 8 - FIP 150 5 1007.0 45 42 8C 10  TODD CCST 10 1008.0 100 100 100 100 100 100 100 100 100 1  |        |            |  |   |       |         |                   |         |                     |          |         |          |              |          |              |         |
| The LETOMAN S 200 272 2.00 m/RGH 140 10 1008.4 43 42 1/8.54 11 11 11 11 11 11 11 11 11 11 11 11 11  | 괰      |            |  | 1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1 | 1 1   | 185     | 22                |         | M.Kat               |          |         | 9.1700   |              | 4        | N3.St        | _       |
| The   LTRAIN   5  |        | _          |  |   |       |         |                   |         |                     |          |         |          | Щ.           |          |              | _       |
| CCST   CCDY   S   S   C   CO   CC   CCD   CCDY   S   C   CCD   CCDY             | HOVE   |            |  | LT KINN<br>OCST   |       | 200     | 22                |         | MRGH                |          | 9       |          | 3            | 42       | 25.57        | 2       |
| CCST   CCDY   S   S   O   O   O   O   O   O   O   O   |        |            |  |   |       |         |                   |         |                     |          |         |          |              | _        |              |         |
| 014 CLDY 7 190 15 190 MoD 155 8 1009.5 46 43 1557 9  DDD 0257 8 000 04 000 R.P 190 8 1010.1 46 44 8C 10  SAS 06 355 R.P 190 8 1010.2 47 46 44 8C 10  SAN 0657 10 LIGHT AIRS - RIP 190 6 1009.5 40 44 8C 10  O43 6657 10 LIGHT AIRS - RIP 190 6 1009.0 45 43 41 57 10  O43 6657 10 1069.6 8 - F.P 150 5 1009.0 45 43 57 10  O43 6657 10 1069.6 8 - F.P 150 5 1009.0 45 43 57 10  O43 6657 10 1009.6 8 - F.P 150 5 1009.0 45 43 57 10  O43 6657 10 1009.6 8 - F.P 150 5 1009.0 45 43 57 10  O43 6657 10 1009.6 8 - F.P 150 5 1009.0 45 43 57 10  O43 6657 10 1009.6 8 - F.P 150 5 1009.0 45 43 57 10  O43 6657 10 1009.6 8 - F.P 150 5 1009.0 45 44 80.0 80 80.0 80.0 80.0 80.0 80.0 80.  | \gamma | 4          | LION   |   | 5     | 310     |                   | 9       | MKGH                | S        | ≫       | ٠,       | 7            | 7        |              | 2       |
| 014 CCDY 7 190 15 190 mod 155 8 1009.5 46 43 N55T 9  000 0c5T 8 000 04 000 RP 190 8 1010.1 46 44 St 10  000 0c5T 8 000 04 000 RP 190 6 1010.2 47 46 44 St 10  000 0c5T 10 116HT AIRS - RIP 190 6 1009.5 46 44 St 10  000 0c5T 8 125 8 - FIP 150 5 1009.0 45 42 St 10  000 0c5T 8 125 8 - FIP 150 5 1009.0 45 44 St 10  000 0c5T 8 125 8        |        |            |  |   |       |         |                   |         |                     |          |         |          |              |          |              |         |
| Cost   Sect             | 0      |            | 710  | <b>ት</b> 470  | ر     | 190     |                   | 2       | Mod                 | l w      | 20      |          | 2            |          | 1 %          | 0       |
| OCST   SSS   OCO   SSS   OCO          |        |            |  | 1   |       |         |                   |         |                     |          |         |          |              |          |              |         |
| 000 0055 8 000 04 000 RIP 190 8 1010.2 47 46 55 10 10 10 10 10 10 10 10 10 10 10 10 10  | 8      | ناه        | ٦  | P. SN. P.   | ۲     | 365     |                   | 355     | שינ                 | 190      | •       | 1010.1   | 9            | 3        | SC 5.1       | 0       |
| ODD OCST   B   OCO   O          | - 1    |            |  |   |       |         |                   |         |                     |          |         |          |              |          |              |         |
| J CCST TO LIGHTAIRS — RIP 190 6 1009.5 46 44 SC 1000 052 0C57 5 125 8 — RIP 190 5 1009.0 45 42 SC 1009.3 BC12 1009        | ŏ      | 7          | 000  | 7500  | ဘ     | 000     | 70                | 000     | G.P                 | 190      | છ       | 1010.2   | ٦            | 46       | SC<br>ST     | 0       |
| 1 CCST TO LIGHT AIRS — RIP 190 6 1009.5 46 44 SC 1001 COST 10 LIGHT AIRS — RIP 190 5 1009.0 46 44 SC 10 1003 COST 10 COST 10 CONSUMED CONS        |        |            |  |   |       |         |                   |         |                     |          |         |          |              |          |              |         |
| 6M 063T (6 LIGHT BLKS - KIP 190 5 1009.0 46 44 8CAS 1005.2 00.7 5 12.5 8 - FIP 150 5 1009.0 45 4.3 5T 10.0 4.3 6.5 T 10.0 5.3 6.5 T 10.0 5 1007.6 4.3 4.1 5T 10.0 5 1007.6        | E      | 110        |  | OCST  | ₽     | 11617   | AIRS              |         | KIP                 | 190      |         |          | \$           | 4        | Š            | ٥       |
| 13 063T (0 LIGHLY BURS — RUP (90 5 1009.0 46 44 8CA3 (1009.0 45 4.3 5T 1009.0 45 4.3 41 5T 1009.0 45 4.3 41 5T 1009.0 45 4.4 5T 1009.0 45 4.3 41 5T 1009.0 45 4.4 5T 1009.0 4.4 5        |        |            |  |   |       |         |                   |         |                     |          |         |          |              |          |              |         |
| 1 053 0657 \$ 125 \$ - FIP 150 5 1009.0 45 43 57 10  18 043 6657 7 085 \$ 180 5 1007.6 43 41 57 10  18 043 6557 4 085 8 180 5 1007.6 43 41 57 10  18 043 6557 4 0857ANCE CONSUMED ON HAND CONSUMED ON HAND ON HAN             | ক্     | 뒴          | , W  | 063T  | 9     | LIGHT   | AKS               | ١       | KIP                 | 190      |         | loog.o   |              |          | SC 183       |         |
| 1 052 0627 \$ 125 \$ — FIP 150 5 1009.0 45 42 55 100<br>18 043 6627 7 085 \$ — — 180 5 1007.6 43 41 57 10<br>1 0 043 MANUEL CONSUMED ON TAND CONSUMED ON TAND CONSUMED ON TAND ON TAN |        |            |  |   |       |         |                   |         |                     |          |         |          |              |          |              | l       |
| 3 043 625T 7 085 8 180 5 1007.6 43 41 5T 10  ANALY DISTANCE DISTANCE CONSUMED ON IAND CONSUMED ON IAND  33.5 June 1084.6 June 1124 60 208   | Ϋ́     |            | 05a  | S   | ٥     | 125     | %                 | 1       | 416                 | 130      | ហ       | <u>س</u> | .5           |          | 75           | 0 -     |
| 3 043 6257   085 8  |        |            |  |   |       |         |                   |         |                     |          |         |          |              |          |              |         |
| ONAL DISTANCE DISTANCE CONSUMED ON KAND CONSUMED ON KAND CONSUMED ON KAND CONSUMED ON KAND CONSUMED ON HAND         | ဝါ     | 48         | 43   | 825t  | ר     | W       | io                | (       |                     | Vo       | 'n      | 0. LOO1  | 5            | 7        | 57           | 0       |
| ON TANK THE WILL CONSUMED TOTAL FUEL OIL CONSUMED ON TAND        |        |            |  |   |       |         |                   |         |                     |          |         |          |              |          |              |         |
| 23 OS 53.7 100 9 16 12.4 15.0 708 A 440   |        | STEAM      | NO.  | DISTANCE  | - 8   | OTAL    | FUEL OI<br>CONSUM | ۵ تا    | FUEL OIL<br>ON HAND | 1-8      | UB. OIL | LUB. OI  |              | RESH WAT | ⊩            | H WATER |
|   | ă -    | 78 MRB 2.3 | <u>.                                    </u> | 3.  | ioth  | 3.6     | 1134              | 1 :     | 5 Jr. G             | <u> </u> | 8       | 12.00    | <u> </u><br> |          | <del>'</del> | !!      |

LUB. OIL, RECEIVED FUEL OIL RECEIVED GYRO 

POSITION BY OBSERVATION

1 CELESTIAL 2 ELECTRONIC

LEGEND

TYPE OBS. LONGITUDE 144° 35 TIME 2000 LATITUDE 54° 14. 2 57.5 N 20. LONGITUDE TYPE OBS. 150°09.2' TIME 0400 LONGITUDE

# REMARKS

SWITCHED TO STRUMH PUMPS しるちなどろう OULINE HOUR TO IN TAR VICINITY OF STA SZCURITY ROUMSS SANST AND MILLY AS ARLM/ LOSKOUT. 30 0001 Pos: 58.42,9 N 150205. SAD 22 SSAUL GWS# 2/3 - FCAM SCLUSIN EQUIDS MAST -13 y c/m WAITING ON WINTHIR. 3 course 1cmo309 3.6466 00-00 #

0400-0800 J. STAULL MI WATCH WIN AS BEFORE. ABS REPRY & WERRIMAN AT HELMY LOCKALT.
0357 CIC TO 185° PGC 145° PSC, RIS TO 45 RAM. USI RIDING WELL IN RAUBIT SEAS & STRONG WEEZE WIDER DIEKRAST SKY, FAIR VIB, STEADY BARD. 0500 RIS TO 50RAM PIS. 0518 HOVE TO ABS RERRY & WERRINARY AT HELLING LOOKSUIT.

| 15004. kn. 1             | 37. SPD 1.5-211 KB            | en-Sachelm                  |
|--------------------------|-------------------------------|-----------------------------|
| TEK & LG8, 45.48'        | VETS STREAMED AFT. 40G 1954   | CANLAND                     |
| W. OBOB CID IN THE WATER | LOAD BONGO NETS ST            | RELIEUED BY JAM SK          |
| 150.89.81                | 635 CTD ON DECK. 3            | WE TO . OTAS WATCH RELIEVES |
| ad STA MES LSB 45.6" N > | Obly CTD & 1650B. 0635 CTD ON | 0703 B. NETS ON DECK. 1     |

0825 58°50. N 150° OK WWW. 1033 ON DECK. NORTHERLY COURSE AND TO REM, FOR ATE HOVE TO AS BEFORE FOR STA ATE 4. 1009 CTD ATEX DRYD AT GOODMAN AND WYLIE Annland b OTYO RELIEUED BY AM J. CALL. 2017/W OIBO T I/S TO GO RPMS COURSE SCANLAND ON WATCH

1421 CTD DIPLOYUS, 1452 CTD ON DECK, 1500 Bouts 1328 525 CASE UOS T FOR 724 R24127 81 12-16 J. GALL CA WARDE. ABS BRUNST AND MICKER AT HELM (LOOKOUT, JUL AS BEFORE 245 BONGO ON DECK, 1529 SIT CRSE DOT'T FRE STA ATEL. 1323 CTD ON DECK 050 December SUA ACE 2 GOT SYMH CITE 12521 7 5251 C/M 5, STAHL Bolesto.

M. DEPTH 1440B. 1652 CTD ON DECK. 1653 CL OBART, OBJ. 1820, 1/8-10 LODRIPM, 1747 HOVE 110 ON STA. 4, 159°01.344 2 150°03.926, 1638 CTD 1600-2000 J. STALL ON WATCH . WIN AS PETAGE. ABS PERRY & MERRIMAN AT HELM & LOUGOLT 1625 HOVE TO ON STA-ATE 1. 1628 CITS IN THE WATER KCW1

ON STATION AS 3126 BONGO DPLYD AT 59° 18.3N 149° 20.6W. ABOARD AING COURSE 42° T 39° PGC 35° PSC AND 100 RPMS FOR STA KCWY. 2242 CTD KCWY DPCYD AT 59° AL 96 N JOIE 59 ISUSN 149 20.88W TO 139 DB. 2120 ON DECK. 149° 08.89W TO 206 DB. 2307 ON DECK. 2310 BONGO DPLYD AT S9°21.68N KCW3 AT 100 RPM , AND 58°T. FOR KCWS 2000-3400 F. SCANLAND ON WATCH W/ABS GOODMAN AND WYLIE 2330 BONDO MBUARD U/W AT WORPMS, 49°T 전점 tranlan U/W FOR 5 1950 CTD ON DECK. RELIEVED BY 2/MJ. CALL CTD KCW 3 DPLYD AT 149°08.36 W.

J.R.

T OFFICER

the dress

SUN DATE +8(0) ZONE DESCRIPTION

1cm 03 09 AT/ON CRUISE

ВЕВТН

# **OBSERVATIONS** WEATHER

| RIP 1003.5 43 42 578 10  RIP 1003.5 43 41 A35. 10  RIP 0 1002.1 43 44 57. 10  RIP 498.5 46 45 A55. 10   | CONDIT. |
|--|---------|
| 1000.3 43 42 55 10 1003.5 43 41 A36.1 10 1000.1 46 42 85.0 10 1000.1 46 42 85.0 10 10 10 10 10 10 10 10 10 10 10 10 10   |         |
| 11   |         |
| 1 1 155 41 1 155 1 1 155 1 1 155 1 1 155 1 1 155 1 1 1 155 1   |         |
| 11   | A - 1   |
| 11   |         |
| 11 × 3 1000.1 45 41 576 11  11 × 3 1000.1 46 41 414  11 × 3 1000.1 46 42 576 11  11 × 3 499.0 46 42 576 11  11 × 3 999.7 49 45 576 10  11 × 6 996.8 45 45 45 576.0 10  11 × 6 996.8 45 45 576.0 10  11 × 6 996.8 45 45 576.0 10  11 × 6 996.8 45 45 576.0 10   |         |
| 11 × 3 1000.1 45 41 STAS 1.  11 × 3 1000.1 46 42 STC 1.  11 × 3 1000.1 46 42 STC 1.  11 × 3 499.0 46 42 STC 1.  11 × 6 996.8 49 49 STC 1.  11 × 6 996.8 45 45 STC 1.   |         |
| 11× 3 1000.1 46 44 55C 10  11× 3 1000.1 46 44 55C 10  11× 3 499.0 46 42 24 5 10  11× 6 996.8 45 45 55C 10  11× 6 996.8 45 43 55C 10  11× 6 996.8 45 43 55C 10  11× 6 996.8 45 43 55C 10  | اه      |
| 11× 3 1000.1 46 44 55.0 10  11× 3 1000.1 46 44 55.0 10  11× 3 499.2 46 45 85.0 10  11× 6 996.8 45 45 85.0 10  11× 6 996.8 45 43 55.0 10  11× 6 996.8 45 43 55.0 10  11× 6 996.8 45 43 55.0 10  11× 6 996.8 45 45 85.0 10  11× 6 996.8 45 45 85.0 10  11× 6 996.8 45 45 85.0 10  11× 6 996.8 45 95.0 99 95.0 99 95.0 99 95.0 90 90 90 90 90 90 90 90 90 90 90 90 90   |         |
| 11 × 3 1000.1 46 44 55 10 10 11 × 3 1000.1 46 44 55 10 10 10 10 10 10 10 10 10 10 10 10 10   |         |
| 11× 3 1000.1 46 44 55C 10  444.0 46 42 2CR 10  448.5 46 45 NSSC 10  11× 6 996.8 45 45 STC. 10  11× 6 996.8 45 43 STC. 10  CONSUMED ON HAND  O       |         |
| 11× 3 1000.1 46 44 55 10  - 444.0 46 42 20.4 10  - 448.5 46 45 NSS.0 10  - 448.5 46 45 NSS.0 10  - 498.5 46 45 NSS.0 10  - 108.04 44 43 57 10  - 108.04 04 43 57 2 9   |         |
| 11× 3 1000.1 46 44 55C 10  |         |
| 11× 3 499.0 46 42 20 10  - 498.5 46 45 NSC 10  - 996.9 44 43 57 10  - 108.04 LUB.04 ONNEWED CONSUMED ON HAWAITER PRESHWATER ON HAWAITER ON |         |
| 11× 6 996.7 49 46 55C 10  999.7 49 46 45 85R 10  998.9 44 43 55C 10  996.8 45 45 85C 10  |         |
| - 999.0 46 42 20.45 [10] - 998.5 46 45 155.0 [10] 5 996.9 44 43 55.0 [10] 6 996.8 45 43 55.0 [10] CONSUMED ON HAND   | - t     |
| 05 5 996.9 46 42 20 10  998.5 46 45 NSSC 10  11× 6 996.8 49 43 STC. 10  11× 6 996.8 45 43 STC. 10  CONSUMED CONSUMED CONSUMED ON HAND  |         |
| 05 5 996.9 44 43 5TC. 10 05 5 996.8 45 43 5TC. 10  UB. OK. UB. OIL CONSUMED  ON NAME  ON NAME |         |
| 05 5 996.4 44 43 5T. 10  115 6 996.8 45 43 5T. 10  117 6 996.8 45 43 5T. 9  118 04 04 43 5T. 9   |         |
| 11× 6 996.8 45 43 5T. 10  UB. OK. LUB. OIL CONSUMED  CONSUMED  MAD  MAD  MAD  MAD  MAD  MAD  MAD   |         |
| 105 5 996.9 44 43 5T. 10 11 11 11 11 11 11 11 11 11 11 11 11   |         |
| CONSUMED CONSUMED CONSUMED ON HAND   |         |
| A 15 6 996.8 45 43 55 9 9 9 10 10 10 10 10 10 10 10 10 10 10 10 10   |         |
| LUB. OIL LUB. OIL FRESH WATER ON HAND CONSUMED ON HAND   |         |
| CONSUMED CONSUMED CONSUMED ON HAND   |         |
| 2.27   |         |
|  |         |

LUB. OIL RECEIVED STATION TIME

4 6 -NX DZCAY TOTAL

POSITION BY OBSERVATION

LEGEND 1 CELESTAL

TYPE OBS. LONGITUDE 146 32.8 TIME 2000 T 25° 43.42 LONGITUDE LATITUDE TIME 0400 TYPE OBS. -LATITUDE 59 28.5' N
LONGITUDE 48 59.6' W

### REMARKS

SWICEHUS TO #2 STGROWG PUMS, DOJE HIGHT TO @ STA KCWS. 0039 CID BIPLOY-D. GION CID ON DICK, OIDE SIT OBSI OBO'T FOR KCW 6, OIZE HINUZ TO B 4243 w/ Dreit operations FOR STA KEWS. J. Staldt 0220 A SSISTWG 9 ms # 2/3 on con - 0/w CTS ON DECIC 284, PSC UNDERWAY ON CRUSE ICMOSOG (24 2. 304,640/ ONCWE (2,3,4 59"23, E. N. 149"01.5W @ STA iccub. 125. ON BRCK かからかる BMS TO 00.00

ED 1. 18 0710 T, CIC 110 OCET 1250°T. OGTO "45 TO GO KIM.
SEWACO. OTIZ ALL STOP 3. END SENIARD PIER 0 3355°T.
IALIA Calb Alc 820 6 OGOC-0800 J. STALLL ON WATCH. WAS BEFORE. ARE PERRY & MYRKIMAN AT HELM & LOOKULT. OGOS ALTO 199° PAC 280° 48C, RISTO 170 RPM. OGS? A/C TO 301° PAC 282° FSC. OGS9 PILOT RL & 265° T 4.2 NM BY RADAR, C/C & 321°G, 311° PSC. 0522 1/S TO 130 RPM. 0531 SW AT RUGGED 1. 0 062 2.0 Nm, c/c 70 000°T. c557 W. PT. RUGGED 1. 05 090°T, c/c TO 024° PGC 022° PSC IRAN DOOK PT & OGO'T, I. INM. GOI'S CAINLES HO LT & 270°T, I. I NM , CR TO 350°T. 1.15 Nm. 0744 WATCH KELIEKED BY 3/M SCANLAND JA RUACHTMO इस्ट AND 2 UARS.

5927 125 RPMs, 120°T. I/S TO (30 RPMs, 1135 COURSE 107°T 105° DEOD-1200 E. SCANCAND ON WATCH W/ABS GOODMAN AND WILLE, OTHE SMALL BOAT ALUNGSIDE, STEVEN HARTS AND TOM SMITH AROARD FOR TOUR. 0832 SMALL GOAT LAUNCH ALONGSIDE DEPARTS W/SCIENTIFIC PERSONNEL BUSBY AND CLARK DISS LAUNCH ALONGSIDE LPUNCH AWAY W/HARTS, SMITH, AND SCIENCE PARTY <u>YCARD AND JONGEWARD</u> Azanland DEPARTS W/ SCIENTIFIC PERSONNEL BUSBY AND CLARK alm J. GALL 1345 Revenered OY OA37 8/T SECURE PUC 084 PSC 04 30

U/W AS BYERZ ORNER 1545 ROCIGUID 84 ALL IN GOOD 12-16 S. AAIL ON WATCH ASS BRUNST AND MILLY AT 112LM/ LOOKENT. 252, SLO / 340 IAW 46 CFR 97-15 60 (a) 3/17 E. SCANLAND itag cle to 090°T, STGWING OBJ FIRE KTINGUISHERS INSPECTED I. STAME JOD 1600 - 2000 J. STAHL ON WATCH WITH ABS PERRY & MERRIMAN AT HELM & LONCOUT. WAS ABFRICE EXERCISED/ BONGO NETS STREAMED AFT. 1857 B. NETS ON DECK, 1852 1/8-TO EDRPM, 1857 1/9-TO 130 RPM. A/C TO MOPPEL DIG POC. 1915 ALL TO 088 G UTLO 430. 1930 DAVITO AND LIFERAFTS EXERCISED.
INSPECTED TAW YOU'FR 199 190(d) 3/M E. SCANICAND, SSDG-#4 SECUNED, SSDG
#1 ON LINE. 1945 WATCH RELIEVED BY 5/M SCANICAND. L59:35.17 1/47 01.19 41. 1805 CTD 1, 209 DB. 1821 CTD ON DECK. 1825 HDG 0959, SPD 1.8 ETS 1730 HAVE TO ON STA BONUS . LSP 35.2' N > 14761.2' W. 1756 CTD IN THE WATER. 1758 CTD V,

2000-2400 E. SCANCAND ON WATCH WIABS GOODMAN AND WYLLE U/W AS BEFORE 2345 RELIEVED ALL SECURE POSITION FOR STA EN51. 2020 ROUND COMPLETE 2325 SELURE MIE # 3. 2050 C/C TO 111°T 111° PGC 094° 83C Granland Alm J. GALL SECURE

Sell

y spiega

MASTE

ZONE DESCRIPTION

MON

242 FOCI KM0309 AT/ON CRUISE

# OBSERVATIONS WEATHER

| 1   |                  | COURSE           |                        | НЭН         | YTITI | W           | WIND                 | SE         | SEA                 | MŚ      | SWELL      |                     | TEMP.       | <u>P</u> .              | CLO       | CLOUDS                 |
|-----|------------------|------------------|------------------------|-------------|-------|-------------|----------------------|------------|---------------------|---------|------------|---------------------|-------------|-------------------------|-----------|------------------------|
| ONE | TRUE             | GYRO             | STAND.<br>OR<br>STEER. | TASW        | BISIV | DIRECT.     | FORCE                | DIRECT.    | CONDIT.             | DIRECT. | HEIGHT     | BARO.               | DRY<br>BULB | WET                     | TYPE      | AMOUNT                 |
| 5   |                  |                  |                        |             |       |             |                      |            |                     |         |            |                     |             |                         |           |                        |
| 8   | و لمرق           | 354510           | 7                      | DCST        | æ     | 260         | 16                   | 260        | ととて                 | MIX     | ٩          | 9.966               | 45          | 42                      | STS       | 10                     |
| 8   |                  |                  |                        |             |       |             |                      |            |                     |         |            |                     |             |                         |           |                        |
| 8   | 110              | 5TAT 10          | 7                      | Scsr        | 8     | 255         | 91                   | 255        | SCT                 | %<br>%  | چ/د<br>الا | 9.966               | 45          | 24                      | SC        | C)                     |
| 93  |                  |                  |                        |             |       |             |                      |            |                     |         |            |                     |             |                         |           |                        |
| 90  | 211              | 115              | 121                    | 0 ( 3 T     | 8     | 235         | (0                   | 235        | SLT                 | 06%b0   | 9/9        | 996.3               | 45          | 4                       | Se        | 6                      |
| 0   |                  |                  |                        |             |       |             |                      |            |                     |         |            | !                   |             |                         |           |                        |
| 8   | Jua              | STA-TI           | , W                    | 258<br>558  | Ø     | 260         | 7                    | 266        | Str                 | CLANF   | Ŋ          | 5.966               | 46          | 47                      | अध        | 6                      |
| 60  |                  |                  |                        | '           |       |             |                      |            |                     |         |            |                     |             |                         |           |                        |
| 9   | 115              | 9L1              | 137                    | Peror       | 1/2   | 245         | 15                   | 245        | <b>5CT</b>          | 185     | 5          | 997. 4              | 45          | ٦                       | Ĵ         | 7                      |
| 11  |                  |                  |                        |             |       |             |                      |            |                     |         |            |                     |             |                         |           |                        |
| 12  | 5 No             | TATION           | 20                     | PCLDY       | B     | 250         | <u>5</u>             | 250        | SCT                 | CONF    | 9-5        | 9.67.6              | 48          | 43                      | 00        | 3                      |
| 13  |                  |                  |                        |             |       |             |                      |            | _                   |         |            |                     |             |                         |           |                        |
| 14  | 5 40             | لموبكه           |                        | 2015        | 8     | 552         | 2                    | 255        | SLT                 | CONF    | و          | 448.6               | こっ          | ۲۷                      | 45        | و                      |
| 15  |                  |                  |                        |             |       |             |                      |            |                     |         |            |                     |             |                         |           |                        |
| 16  | 176              | 901              | 135                    | C-05-7      | છ     | 245         | 11                   | S 12       | 56.7                | 3000    | ک          | 996.7               | 25          | 9 7                     | 55 AS     | و                      |
| 17  |                  |                  |                        |             |       |             |                      |            |                     |         |            |                     |             |                         |           |                        |
| 18  | NO               | STATION          | Juo                    | ALD"        | 8     | E, C        | 90                   | 992        | RH                  | CONF    | 4          | 948.2               | 41          | 44                      | (S, RC    | 7                      |
| 19  |                  | _                |                        |             |       |             |                      |            |                     |         |            |                     |             |                         |           |                        |
| 22  | 115              | 175              | 138                    | 35          | 7     | 14. NS      | တ္                   | 25         | RIP                 | CAN TI  | 4          | 998.6               | \$          | 41                      |           |                        |
| 72  |                  |                  |                        |             |       |             |                      |            |                     |         |            |                     |             |                         |           |                        |
| ĸ   | 180              | <u>ح</u>         | 137                    | 0,02        | و     | 09          | و                    | 160        | 418                 | CONF    | 7          | 498,2               | アゴ          | 39                      | 5T        | 9                      |
| ន   |                  |                  |                        | i           |       |             |                      |            |                     |         |            |                     |             |                         |           |                        |
| 24  | Š                | 5TA              | 7012                   | 55°         | e     | これを         | 185                  | 1          | 1                   | GNF     | T          | 998.0               | アゴ          | 7                       | 3T        | 0                      |
|     |                  |                  |                        |             |       |             |                      |            |                     |         | Ы          |                     |             |                         |           |                        |
| 25  | STEAMING<br>TIME | STEAMING<br>TIME | ING                    | DISTANCE    |       | TOTAL       | FUEL OIL<br>COMSUMED | FED<br>FED | FUEL OIL<br>ON HAND |         | CONSUMED   | LUB. OIL<br>ON HAND | H           | FRESH WATER<br>CONSUMED | ⊢-:       | FRESH WATER<br>ON HAND |
| ë o | O                | _                | z۱۸                    | SQ. Y MILES |       | 366.7 MILES | 1833                 | GAL.       | 5696 an.            |         | S OAL.     | 490                 | GAL         | ,                       | DAL. 7104 | of are.                |

LUB. OIL RECEIVED FUEL OIL RECEIVED BTATION TIME

00°M せら WX BELAY TOTAL

POSITION BY OBSERVATION

LEGEND 1 CELESTIAL 2 ELECTRONIC

LATITUDE 58° 23.(4 N)
LONGITUDE (45° (5.12 W) LONGITUDE LATITUDE TIME 0400 TYPE 0BS.

LATITUDE 54 (2.5'N

LONGITUDE 145° (5.2'W)

# REMARKS

RECLIENTS BY C/M J.SMYL STRUBULY PUMS. 2349(11) CFS DIPLOPTS, 000, POS: 59° 23,1 N 145° 15,3W, 0025 BT ON BT SECUTION. 0203 SIT CRSE 170" T POR STA AUS 2, 0306 BT ASSISTIMA W/ BRCK OPERATIONS. 5W15C4M3 364 AUS 1 0319 CTD DIPLOMS. 0345 ONLUR HOUR TO @ AND WILLIA ASS BRUJSE 6NS 2 0317 HAVE TO @ CTD ON DECK ON COUSE KMO3CO 0201 CALWZ, PO - 00 いるだ。

0400-0800 J. STAH ON WATCH WITH ARS PERRY & MICKRIMAN AFT AT WINGER'S CRANKE WWW AS BERREE

0353 CTD CAST ENS 2 RESTARTED & LSG" 12.57 'N > 145" 15.20 'N. 0546 CTD ON DECK. 0547 C/C DOTOS CITO IN THE WATER 0353 CTD CAST ENS 2 RESTARTED, Y, LS9"12.57 'N > 145° 1570'U.

| rade No. |                 | 2  |
|----------|-----------------|----|
| -        | PALD.           | 77 |
|          | TAN .           | \$ |
|          | N<br>S          |    |
|          | 18 3/           |    |
|          | G G             |    |
|          | STEN            |    |
|          | HK              |    |
|          | tha T           |    |
|          | 1 0745 WARLENED |    |
|          | 3               |    |
|          | 5.05            |    |
|          | 50,10           |    |
| i        | M               |    |
|          | 77.7            |    |
|          | 0.20            |    |
|          | Ed.             |    |
|          | 3               |    |
|          | 4               |    |
|          | 0769            |    |
|          |                 | •  |

5927 58°51.47 N 145°14.9 W TO COURSE 175°T 176°P 66, 137°PSC AND 100 REMS FOR ON STA 91N 145°15,54W 0800-1200 E. SCANLAND ON WATCH IN/ABS WYLIE AND GOODMAN E Scanlano AT 59°01 1050 CTD ENSY DELYD AT 0902 BONGO DPLYD alm J. OALL. 2000 DB. A 1143 RELIEVED BY BIT ON LINE BIT SELURE CID ABOARD OX58 EN24. 1050 BANGO ON 3176

1533 SET CLSE 176. T. 46CFR 199 190(d)(1)+(2). 3/M SCANLAND 1515 & SEGULY. 1526 CFD ON DECK. 1456 RESCUE 12-16 J. WALL ON WAREN. ABS BOWNST AND MILLIN ASSISTING W/ DECK OPMATIONS - CTD INSPECT DAVIT AND HOOK, ALL IN GOOD ORDER IAM 1239 1345 CTD DEDLOTUS 1530 DR.FFW # 37492 DWCO12 @ POS: 58"40.0 N 145"15.9 W. CAST IN PROLNESS @ STA ENS 4. 1227 BT SECURIS, 1236 CTS 1342 4712 TO @ 314 6NSS. BORT RUN AHEAD/ASTERN 1797 FOR STA 205 S. Fuz 504 fous 6.

1630 1636 CTD IN THE WATER 3 1600-2600 J. STRLY ON WATCH U/WAS PEFORE. ABS PERRY & MERRIMAN AT HELMY GLOSKOUT. PERRY & MERRIMARY SENTAFT B WINGH & CRANK. 1634 LANE TO ON STRENSG. 1636 CTD IN THE WIGGO CTD & LSS 30.36 N > 1450 15.1.0 W. 1774 HASTING CTD, 7000M. 1839 CTD ON DECK. 1800 OKIFTER DEPLATED. Bondes alers STREAMNED, HOG OLOGE, 1,8 RTS. 1906 B. NETS ON VECT.

ESONGES ALERS STREAMNED, HOG OLOGE, 1,8 RTS. 1906 B. NETS ON VECT.

LSB 30. OO'N A 1450 15. 46 W. 1909 C/C TO 172 PGC 135 PSC, 1/5 100 RAM. 1945 WATCH

LSB 30. OO'N A 1450 15. 46 W. 1909 C/C TO 172 PGC 135 PSC, 1/5 100 RAM. 1945 WATCH

AF COURSE 180°T 174° PGC 137° PSC AND 100 RPMS FOR STA ENSS. 2303 B/T ON 2224 B/T SECURE. 2303 B/T ON LINE 2318 CTD ENJS DPLYD AT 58"13.09 N 145" 15.22 W. 2345 RELIEVED BY 2000-2400 C. SCANLAND ON WATCH W/ ABS GOODMAN AND WYLIC. U/W AS 2016 CTD ENST DPLYD AT 58°A1.82N 145°15.06W TO 2000 D.S. CTD ABOARD. B/T AN LINE FUR CAST. Grandand G alm J. bacc. BEFURE LINE

Jakon

May

MASTER

DATE ZONE DESCRIPTION +8 (2)

ATYON CRUISE ICM & 305

| BERTH  |  |
|--------|--|
|        |  |
| 2727 1 |  |

# WEATHER OBSERVATIONS

| FA.08 280 S 997.9 41  FA.08 3807.9 41  FA.08 3807.9 43  FA   | COURSE                             |                                    |                    |      | ЯЭНТ | YTIJIE | ĪĀ [    | WIND     | 35      | SEA                 | NS.     | SWELL    |        | TEMP. | ď.        | CFC            | CLOUDS             |
|--|------------------------------------|------------------------------------|--------------------|------|------|--------|---------|----------|---------|---------------------|---------|----------|--------|-------|-----------|----------------|--------------------|
| 12 345 SLT 1026 - 997.9 43 40 MBST 10 12 345 SLP18 9 10 10 10 10 10 10 10 10 10 10 10 10 10  | TRUE GYRO STEER.                   | STAND.<br>OR<br>STEER.             |                    | MEY  |      | IISIA  | DIRECT. | FORCE    | DIRECT. | CONDIT.             | DIRECT. | HEIGHT   | BARO.  | DRY   | WET       | TYPE           | AMOUNT             |
| 12 345 SLT UUJG - 4979 43 40 MESST 10  15 350 KIP 220 5 997,9 41 39 SCRC 9  15 350 KIP 220 5 997,9 41 38 SCRC 9  15 355 LT 215 4 998.1 41 40 27 9  15 355 LT 215 4 998.1 41 40 27 9  15 355 LP 215 3 998,4 42 39 50.0 4  16 250 KIP 220 3 998,9 42 39 50.0 4  17 MI - 240 4 998.1 41 40 25 9  18 320 RIP 240 4 998.0 43 44 64 64 7 7 7 7 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7   |                                    |                                    |                    |      |      |        |         |          |         |                     |         |          |        |       |           |                |                    |
| 52 330 KIP 220 5 997.9 41 39 SER18 9  53 330 KIP 220 5 997.9 41 39 SER18 9  54 335 KIP 220 4 998.1 41 40 35 95.0 4  5 335 KIP 240 4 998.1 41 40 35 95.0 4  5 335 KIP 240 4 998.1 41 40 35 95.0 4  6 325 KIP 240 4 998.0 48 44 BLL 4  6 25 KIP 240 4 998.0 48 44 BLL 7  6 25 KIP 240 2 4 998.0 48 44 BLL 7  6 25 KIP 240 2 4 998.0 48 44 BLL 7  6 25 KIP 240 2 4 998.0 48 99 MLL 7  6 25 KIP 25 3 998.0 48 99 WLL 7  6 25 KIP 25 3 998.0 48 99 WLL 7  6 25 KIP 25 3 998.0 48 99 WLL 7  6 25 KIP 25 3 998.0 48 99 WLL 7  6 25 KIP 25 3 998.0 | ON STATION PSHUMB 4-1              | FIDA PHURS 4-                      | P. SHWRS 4-        | 누    | 누    | 6      | 345     | 12       | 345     | SiT                 | Scho    | 1        | 497.9  | 43    | 5         | NB ST          |                    |
| 69 330 KIP 220 5 997,9 41 39 56.8 10  69 330 KIP 220 5 997,9 42 38 88.6 9  15 355 517 215 4 998.1 41 40 57 9  60 320 RIP 240 4 998.1 41 40 57 9  60 250 RIP 240 4 998.1 42 39 570 4  60 250 RIP 240 4 998.0 43 44 BLL 4  60 250 RIP 250 3 998.0 43 40 CU 4  60 250 RIP 250 3 998.0 43 40 CU 4  60 250 RIP 250 3 998.0 43 40 CU 4  60 250 RIP 250 3 998.0 43 40 CU 4  60 250 RIP 250 3 998.0 43 40 CU 4  60 250 RIP 250 3 998.0 43 90 CU 4  60 250 RIP 250 3 998.0 43 90 CU 4   |                                    |                                    |                    |      |      |        |         |          |         |                     |         |          |        |       |           |                |                    |
| 08 320 RIP 220 5 997.5 42 38 80RCB 9  15 255 5LT 215 4 997.5 43 41 (10 la 6 la   | d-4 snuns 4-6                      | SHARE                              | erra               | erra |      | ^      | C1414   | AN       |         | 1                   | 280     | u        | 997,9  | 5     | 39        | 54.25<br>52.83 | 01                 |
| 08 320 Kip 220 5 447.5 42 41 (bbb 6 b) 15 255 56T 215 3 998.4 42 39 370 4 6 6 255 Kip 215 3 998.4 42 39 370 4 6 6 250 Kip 240 4 948.0 43 44 62.1 4 6 6 250 Kip 240 4 948.0 43 45 62.1 4 6 6 250 Kip 250 3 948.0 48 44 62.1 4 6 6 250 Kip 250 3 948.0 48 44 62.1 4 6 6 250 Kip 250 3 948.0 48 44 62.1 4 6 6 250 Kip 250 3 948.0 48 44 62.1 4 6 6 250 Kip 250 3 948.0 48 44 62.1 4 6 6 250 Kip 250 3 948.0 48 44 62.1 4 6 6 250 Kip 250 3 948.0 48 44 62.1 4 6 6 6 250 Kip 250 3 948.0 48 6 6 6 250 Kip 250 3 948.0 48 6 6 6 250 Kip 250 3 948.0 48 6 6 6 250 Kip 250 3 948.0 6 6 250 Kip 250 Kip 250 6 250 Kip 250 6 250 Kip 250 6 250 Kip 250 6 250 Kip 250 Kip 250 6 250 Kip 250 6 250 Kip 250 Kip 250 6 250 Kip 250 6 250 Kip 250  |                                    |                                    |                    |      |      |        |         |          |         |                     |         |          |        |       |           |                |                    |
| 15 255 517 215 4 998.1 41 40 27 4 666.6 6 25 6 2 4 998.1 41 40 27 4 998.1 41 40 27 4 9 9 9 1 220 24 9 9 9 9 1 22 6 2 4 9 9 9 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2   | on STATION CLOT                    | STA TION                           |                    | cw.  |      |        | 350     | 80       | 330     | KIP                 | 220     | w        | 997.5  | 42    | 38        | श्रमञ्         | . F                |
| 15 255 567 215 4 998.1 41 40 25 4 666 6 25 6 2 2 6 2 15 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2  |                                    |                                    |                    |      |      | T      |         |          |         |                     |         |          |        |       |           |                |                    |
| 15 255 5LT 215 4 998.1 41 40 2T 9 35.0 4 325 2LT 215 4 998.7 47 42 39 35.0 4 998.7 47 42 25.0 4 998.7 47 42 25.0 4 998.7 47 42 25.0 4 998.7 47 42 25.0 7 7 25.0 2 998.7 47 42 42 42 42 42 42 42 42 42 42 42 43 44 43 45 44 43 45 45 45 45 45 45 45 45 45 45 45 45 45   | on stration sal 2/8                | STATION SOLD ?                     | Sall 2             | ۲٠   |      |        | UGU     | 4        |         | Swith               | 240     | 4        | 5.17p  | 3     | 41        | do Ca          | ه                  |
| 15 255 56T 215 4 998.1 41 40 55 4  8 235 R.P 215 3 998.4 42 39 570 4  05 266 R.P 246 4 998.5 42 65.7 7  06 256 R.P 246 4 998.6 48 44 12.1 4  06 256 R.P 226 3 998.6 48 44 12.1 4  06 256 R.P 226 3 998.8 43 40 CU 4  FIVE OIL FUELOIL CONSUMED CONSUMED CONSUMED ON IAMO ON IA |                                    |                                    |                    |      |      |        |         |          |         |                     |         |          |        |       |           |                |                    |
| \$ 335 R.P 240 4 998.7 47 42 59 570 4 998.7 47 42 59 570 4 998.7 47 42 65 Ac 7 7 2 65 Ac 7 2 65 Ac 7 240 49 49 44 BLC 4 4 BLC 4 4 BLC 4 4 BLC 4 4 BLC 7 4 2 25 Ac 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2  | 8 Mill 134 GERM 8                  | 134 GREW                           | いていて               |      | po   |        | 255     | 5        | 255     | 5CT                 | 215     | J        |        | 1 5   |           | 23             | 0                  |
| \$ 325 R.P 215 3 998.4 43 39 376.9 4  04 320 R.P 240 4 998.7 47 42 65.46 7  05 260 R.P 240 4 948.0 48 44 81.6 4  06 250 R.P 250 3 998.0 48 44 81.6 7  06 250 R.P 250 3 998.0 48 44 81.6 7  06 250 R.P 250 3 998.0 48 44 81.6 7  06 250 R.P 250 3 998.0 48 44 81.6 7  06 250 R.P 250 3 998.0 48 44 81.6 7  06 250 R.P 250 3 998.0 48 44 81.6 7  |                                    |                                    |                    |      |      |        |         |          |         |                     |         |          |        |       |           |                |                    |
| 04 320 218 240 4 998.7 47 42 65.8.6.7 7 05.8 | ON STATION PCLOY 8                 | TATION PCLOY                       | PCLDY              | ш    | bo   |        | 235     | ۴        | 335     | RIP                 |         | 3        |        |       | 39        | 3700           | J                  |
| 04 320 are 240 4 998.7 47 42 65.46 7 5 65.46 7 7 5 65.46 7 7 65.46 7 6 66.7 47 42 62.6 7 7 65.46 7 6 66.7 6 |                                    |                                    |                    |      |      |        |         |          |         |                     |         |          |        |       |           |                |                    |
| 04 320 220 4 998.7 47 42 65.0 7 7 05 2.0 7 7 05 2.0 7 7 05 2.0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0   |                                    |                                    |                    |      |      |        |         |          |         |                     |         |          |        |       |           |                |                    |
| 05 260 RIP 240 4 998.0 43 44 BUL! 4  06 250 RIP 240 4 948.0 48 44 BUL! 4  06 250 RIP 230 3 998.0 48 44 BUL! 4  06 250 RIP 230 3 998.0 48 BUL! 7  06 250 RIP - 3 998.3 43 40 CU 4  CONSUMED  CONSUMED |                                    |                                    |                    |      |      |        |         |          |         |                     |         |          |        |       |           |                |                    |
| 05 260 R1P 240 4 948.0 48 44 BLC 4 06 250 R1P 230 3 998.0 48 44 BLC 7 06 250 R1P - 3 998.3 43 40 CU 4  FUEL OIL CONSUMED | وط وع مع دده ف                     | 032 ددم                            | CLVA               |      | ņ    |        | 320     | 70       | 320     | RIP                 | 240     | 7        | 996.7  | ځ     | 4         | 5 S            | ٦                  |
| 06 260 RIP 240 4 948.0 48 44 BLL 4  06 260 RIP 230 3 998.0 48 44 BLL 7  0 315 RIP - 3 998.0 48 40 CU 4  CONSUMED CONSUMED CONSUMED CONSUMED CONSUMED  CONSUMED CONSUMED CONSUMED CONSUMED  CONSUMED CONSUMED CONSUMED CONSUMED  CONSUMED CONSUMED CONSUMED  CONSUMED CONSUMED CONSUMED  CONSUMED CONSUMED CONSUMED  CONSUMED CONSUMED CONSUMED  CONSUMED CONSUMED CONSUMED  CONSUMED CONSUMED CONSUMED  CONSUMED CONSUMED CONSUMED  CONSUMED CONSUMED CONSUMED  CONSUMED CONSUMED CONSUMED  CONSUMED CONSUMED CONSUMED  CONSUMED CONSUMED CONSUMED  CONSUMED CONSUMED CONSUMED CONSUMED  CONSUMED CONSUMED CONSUMED CONSUMED  CONSUMED CONSUMED CONSUMED CONSUMED CONSUMED  CONSUMED CONSUMED CONSUMED CONSUMED CONSUMED  CONSUMED CONSUMED CONSUMED CONSUMED CONSUMED  CONSUMED CONSUM |                                    |                                    |                    |      |      |        |         |          |         |                     |         |          |        |       |           |                |                    |
| 66 250 Reg 230 3 998.0 48 60.0 4 60.0 | 040 037 032 MUDY 10                | 032 PUDY                           | PULDY              |      | 2    |        | 092     | 50       | 972     | RIP                 | 240     | 4        | 948.0  | 48    | \$        | ( <u>)</u>     | 4                  |
| 66 750 R.Y. 730 3 998.6 48 45 M.C. 7  6 3.15 R.P 3 998.3 43 40 CU 4  FUEL OIL  CONSUMED  CONS    |                                    |                                    |                    |      |      | $\neg$ |         |          |         |                     |         |          |        |       |           |                | 1                  |
| Б 215 R16 — 3 448.3 43 40 СО 4  FUEL OIL  CONSUMED  A40 on 440 on 740 o   | on stanlard CLDY 10                | CLDY                               | CLDY               | _    | 2    |        | 250     |          | 250     | RE                  | 230     | 3        | 998.0  | 48    | 3         |                | 7                  |
| S   S   R   P   S   Q   Q   C   Q   Q   Q   Q   Q   Q   Q  |                                    |                                    |                    |      |      | $\neg$ |         |          |         |                     |         |          |        |       |           |                |                    |
| FUEL OIL FUEL OIL CONSUMED CON | ON STATION PCLOY 9                 | STATION PCLOY                      | PCLDY              |      | 6    |        | 215     | و        | 215     | RIP                 | ١       | 5        | 9.     | 3     | 7         |                | 7                  |
| FUEL OIL CONSUMED CON |                                    |                                    |                    |      |      |        |         |          |         |                     |         |          |        |       |           |                |                    |
| FUEL OIL FRESH WATER FRESH WATER CONSUMED CONSUMED CONSUMED ON HAND  | ↑                                  |                                    |                    |      |      |        |         |          |         |                     |         |          |        |       |           |                |                    |
| FUEL OIL FUEL OIL LUB. OIL LUB. OIL LUB. OIL CONSUIMED ON HAND CONSUIMED ON HAND ON HA |                                    |                                    |                    |      |      |        |         |          |         |                     |         |          |        |       |           |                |                    |
| 685 m 55013 m A m 1900 m   | TOTAL<br>STEAMING DISTANCE<br>TIME | TOTAL<br>STEAMING DISTANCE<br>TIME | DISTANCE           |      |      | ~ %    | TOTAL   | CONSUN   | # Gg    | FUEL OIL<br>ON HAND |         | UB. OIL. | LUB. O | H     | FRESH WAT |                | SH WATER<br>N KAND |
|  | 30 3 01 05 123.2 LILER 114         | 3 O 1 OS 123,2 MIES                | MIN. 05 123.2 MIRE | -    | 7    | of t   | 1769.9  | <u> </u> | 4       | S to S              |         |          |        | - T#0 |           |                |                    |

| STATION TIME          | DETENTION   | COMPASS | DRAFT     | 150      | FUEL OIL RECEIVED | LUB. OIL RECEIVED | FRESH WATER RECEIVED |
|-----------------------|-------------|---------|-----------|----------|-------------------|-------------------|----------------------|
| 17 3o                 | L HR. MM.   | GYRO    | DEPARTING | ARRIVERG | GAL,              | GAL.              | GAL.                 |
| TOTAL<br>STATION TIME | TOTAL       | STAND.  | PWC.      | PWD.     | 34VT              | TYPE              | TREATED YES NO       |
| PAYS HAS. MAH.        | 1. HR. MIN. | DEV.    | DEV. AFT. | AFT.     | 00)               | .00               |                      |
|                       |             |         |           |          |                   |                   |                      |

19 H 00m WX SZUAY TOTAL

POSITION BY OBSERVATION

LEGEND 1 CELESTIAL 3 VIBU

LONGITUDE 143° 38. L TIME 2000 LATITUDE 58° 145° 15.2 W 57.38.4N TYPE 08S. TIME 0400 TYPE 08S.
LATITUDE 58°CZ. ('N
LONGITUDE 145° (6.8'W)

### REMARKS

58 13,1 N 145 - 16,1 W cion ser case ins t For star FUSA, vine BT DALWE, HOUT TO BETA ENSB, CIT ASSISTIME W/ DECK OPURATIONS cool Pos: 338 ASS BRUNST AND MILLY 5/1 # sm3 4 OOS9 CTS ON 5. CAUL ON WATCH. UND MUNICALOR CAST IN PROMOUSS. NO-00

0900-0800 J.STAHL ON WATCH WITH ARS PERRY & MERRIMAN AT HELM & LONGOUT. WAS BEFORE

| 0950 ABS SENT AFT TO OPERATE CRANCE & WINDER CANTRALS. ONDO HAVE TO ON STAFFUSIO. 0447 CTD IN THE WATER, ONSO LANDERING CID LS1°55.64" N. 7145° 14.89" W. 0537. HOUSTING CTD. 2000M MAY DEPORT. |
|---|
| 0620 CTD DILDECK 0632 C/C TO 178 PGC 140 PSC 1/S TO 100 RPM, 0738 HOLE TO DI STA ENS 11.  |
| 0740 CTD IN THE WATER, 0744 LAWERING CTD, LGT 47,03 N 145° 14.96 W. 0745 WATCH,   |
| PRATERIY RELIEVED BY 3/m SCANLAND.  |
|   |

100 RPMS. M/E # 2+3 ON UINE. 1102 CTD ENSIS DPLYD AT 51° 38,74 N 145° 14,99W BOODMAN, ON STATION AS 0920 DN DECK, 0924 BONGO ENSIL DRYD AT 57046.45N 145° 15,46W FO 200 , 34° PSC FACOUNT 1954 ON DELK. SET COURSE FOR STA ENSIR, 175°T E Scanlond AND 0900-1200 F. SCANLAND ON WATCH W/ABS WYLIE 1141 WATCH RELIEVED BY A/M J. BALL. BEFORE.

040.0. CTD CAST AND ZUE WATE. SHIPS CARW MUSTERNE CHAFT DECK TO REVIEW FLOUDING AND DRWATTOWAS FOR IMMIRSION SUIT INSTRUCTION AND DONNING PARCTICE, CONDUCTIN BY 3 BY ひたるいろいる 1230 SAFERY TAGINOUS CONDUCTOD. SEI PARTY MUSTINED 12-16 S. MALL ON WATER. ASS BONNST AND MILLY ASSISTING W/ DECIL OPERATIONS 2 1330 525 CRSS PROCESSIZES, CONSUCTED BY CLM AND 21E. DEWATTOWN, PUMP TESTED 34 c/m J. SFAHL Juga Roms .257 CFD ON DECK. GEN# 1 DALWE (1,2,3 DALWE) 12 CRSE 545 RILIGHT Session Completes. 1205 BT \$20,0725. sramy 037 PAC / 032 BSC. 1307 Promees 14 CAS #2 1310

#### 77.

BEFORE. 1630 SSDG # 4 ON UNE. SSDG # 1 SECURED. 1935 SLOWED ON APPROACH TO STAT. 1940 HAVE TO ONLY STATE 1640 HAVE TO ONLY.

STATE CENT LSD 28.5 LY 1945 38.0 LY 1945 WATCH PICHENED BY 3MM SCANIAND. STALL CLIM. -2000 J. STAHL CHUATEH WITH ABS PERRY & MERRIMAN AT HELM & LAKAUT. WIN AS SM EEDJ 15838.54 2 14338.04. 1945 WATH PICHENED BY 3M. SCANTAND (LATE ENTRY: 1940 SECURED SSDG#4 1/5) 1600

2156 BONGO DPLYD AT 58 39 A3 N 143° 41.87 W. 2226 BONGO ABOARD. COURSE, 264°T 2000-2400 E STANLAND ON WATCH WITH WYLLE AND GOODMAN. 1954 CTD ENSIS DPLYD AT 58"38, 450 143"38.00W, 2150 ON DECK "LATE ENTRY : EM CEN. RUN 2130 236° PSC. AND 100 RPMS FOR STA FEW Z 2340 INCINERATOR LIT OFF 2338 CTD DPCYD AT 58 38.4 N 143° 57 Scanland AM T. GALL # I ON LINE RELIEVED BY 3 SELURE 2313 M/E. 3620 6156.

Jakon Jakon

OK HOND

+8(0) ZONE DESCRIPTION

MC 14 DATE

may 2003

W 1cm0309 AT/ON CRUISE

BERTH

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|------|----------------|------------------------|----------|---------|---------|----------------------|---------|---------------------|------|-----------|----------|----------|-------------|----------------|-------------|
|      | avno           | STAND.<br>OR<br>STEER. | MEYL     | IIBISIA | DIRECT. | FORCE                | DIRECT. | CONDIT.             | DIRE | HEIGHT    | BARO.    | DRY      | NY WET      | F              | PE AMOUNT   |
|      |                |                        |          |         |         |                      |         | -                   |      |           |          |          |             |                | L           |
| 273  | 273            | 247                    | Ccb      | 0       | 200     | ره                   | 200     | 9.5                 | 22.2 | و         | 998.6    | 7 7      | 39          | 23             | و           |
|      |                |                        |          |         |         |                      |         |                     |      |           |          |          | L.          |                |             |
|      | 589510N        | _                      | P.CU3-1  | 0,1     | 80      | ó                    | ငမှာ    | שינ                 | 230  | و ا       | 498.7    | T<br>W   | 39          | 20.00          | 7           |
|      | _              |                        |          | _       |         |                      |         |                     |      |           |          |          |             |                |             |
| 쏬    | 275            | 246                    | Ravi     | ٥       | 140     | 04                   | -{      | RIP                 | 230  | 8-9       | 948.3    | 45       | 39          | A. C.          | 4           |
|      |                |                        |          |         |         |                      |         |                     |      |           |          | 1_       |             |                | -           |
| -61  | BAL STB        | STR TIEN               | CLDY     | 9       | LIGHT   | - M.Rs               | ı       | te s                | 33   | 8-9       | 90R 4    | 3        | 4           | Par Abres      | 00          |
|      |                |                        |          |         |         |                      |         |                     |      |           |          |          |             |                | 1           |
| 2    | JT RT          | 20                     | ረመን      | ∞       | LTA     | 3                    | 1       | RIP                 | 230  | 8-9       | 999 0    | 2 2      | 4           | ST C           | ی           |
| - 1  |                |                        |          |         |         |                      |         |                     |      |           |          |          |             |                | )           |
|      | STAT           | 20                     | כרסא     | ۶       | LTA     | 185                  | 1       | SMTH                | 215  | و         | 7.666    | °        | 7           | 35             | 6           |
| - 1  |                |                        |          |         |         |                      |         |                     |      |           |          |          |             |                |             |
|      | 2545           | 2                      | רניט     | 80      | 190     | 90                   | 190     | עינ                 | 240  | 7-10      | (000)    | 8        | 7           | 75 SC<br>50 CA | ۱ ر         |
|      |                |                        |          |         |         |                      |         |                     |      |           |          |          |             |                |             |
|      |                |                        | CLB4     | 9       | 022     | ٥٤                   | e22     | لادل                | 240  | 7-10      | 1301.3   | 9<br>7   | 43          | S C.S          | V           |
|      |                |                        |          |         |         |                      |         |                     |      |           |          |          |             | 2              | ,           |
|      | ON STA-MON     | NOC                    | RUDY     | (0)     | 280     | چ                    | 280     | RIP                 | 230  | 3-10      | 4001.4   | 44       | 4           | Ph.C. C.       | 4           |
|      |                |                        |          |         |         |                      |         |                     |      |           |          | 1        |             |                | i.          |
| -61  | ON STA         | STATION                | Pean     | 9)      | usin    | PHK3                 | ١       | 支                   | 87   | 6-8       | 4        | 45       | 47          | (g) (g)        | 4           |
|      |                |                        |          |         |         |                      |         |                     |      |           |          |          |             | 7              | -           |
| S    | 5TA            | T(0N)                  | ככסל     | 0)      | 77      | 125                  | ١       | MERCURY             | 230  | 6 2 8     | 1002.6   | 5        | 200         | 35             | ١           |
|      |                |                        |          |         |         |                      |         |                     |      |           | 1        |          | ,           |                |             |
| -7   | N STA          | NOIL                   | אסיס     | 6       | 8       | 8                    | 1       | RIP                 | 205  | s         | 1603.0   | ב<br>ב   | 5           | 200            | 6           |
|      |                |                        |          |         |         |                      |         |                     |      |           |          |          |             |                | -           |
|      | <del>⊢ ;</del> | ING<br>ING             | DISTANCE | T SE    | TOTAL   | FUEL OIL<br>CONSUMED | ور ا    | FUEL OIL<br>ON HAND | 1-8  | LUB. OIL. | LUB. OIL | $\vdash$ | FRESH WATER | ┈              | FRESH WATER |
| M C  | ¥ (            | l<br>zi'               |          | <br> -  |         |                      | ī       |                     |      |           |          | <u>!</u> |             | ÷              |             |

19 H 00 M DELAY TOTAL

POSITION BY OBSERVATION

LEGEND 1 CELESTIAL 2 ELECTRONIC TIME 2000

FRESH WATER RECEIVED

LUB. OIL RECEIVED

FUEL OIL RECEIVED

LONGITUDE 145°37.6 W LATITUDE 58 38.1 N 1200 2 i45 00.00 W 58,37.5 ~ LATITUDE TIME 0400

TIME 0400

TIME 0400 TYPE OBS.

# REMARKS

O WATIONS 690 TO @ STA DICIC ひゃつと ASSISTINA 13 y c/m 220 Pomos. AND MILLING 2/1#5m2 Stanus CRSC thongs To # 2110 CAST IN PROGRESS. SWITCHING 20033 UND TOWNAY ON 0139 CTS FOR DRIFE 00

OGOG-OFBO J. STRILL ON WATCH WITH ABS PERRY & MERRIMAN AFT AT CRANK & CHINCH OPERATION. YOU AS WELFARE. 0353 HOSTING CTD, 2400M WAT DEPTH. 0507 CTD ON DECK. 0509 CC TO 275 PGC 248. 10619 LOWERING CIT PSC, 1/5 TO LOOK PM. Ob15 that TO ON STA EEWA. OG 16 CTD IN THE WATER J. Smith

|  | REMARKS PAGE NO. 28  |
|--|--|
| 158, 38, 45' U. N. 144° 36. 15' W. OTOG MAISTINGG CTD, 2400M. 0745 WATELL KENTENED BY 3/M1 SCANIL AND  | and ctd, 2400m ot 45 where Kelleved by   |
| DSOO-1200 E. SCANLAND ON WATCH W/AB, GODDMAN AND REFORE. B/T OF LINED ASOS. OS 12 CTD FEWY ON DECK. 244° P.SC. AND 100 RPM, FOR 5TA EEWS. 0930 B/T ON LINE DPLYD AT S8°38, 44 N 144° S6.99 W. 1139 RELIEVED BY A/M | DECOLO O E. SCANLAND ON WATCH WAGE, CONDMAN AND WYLLE ON STA AS BEEVER. BIT OF LINED AS STA EWY ON DECK. COURSE, 273°T 273°PEC 244° PSC AND ION RPM, FOR STA EEWS. 0930 ALT ON WINE 0937 CTD EEWS. DRIYD AT S8°38,44N 144°56,99 W. 1139 RELIEVED BY ALM JUMDAND  |
| 6455 IN PROGRESS, 1143 CTD ON DECK, 1145 65WE, 1256 HAVE TO R. STA FRW 6. 130  | ASS BRUNST AND MILLY ASSISTING WITH DECK OPERATIONS, OTD  CTD ON DECK. 1145 ST SECURD, 1147 SET CASS 276 The STA  2. STA FRW 6. 1301 CTD DPICATO, 1424 CTD @ 3500 M Å.   |
| 1600-2000 J. STAUL ON WATCH WITH ABS. 11/W AS BEFORE. 1606 CTD ON DECK. 1612 CR 1718 CTD LAWREING, LSB 38.45/1 > 146°3 1945 WATCH RELIEVED BY 2/M STANLAND   | 1600-2000 J. STAHL ON WATCH WITH ABS PERRY & WERRIMAN AFT AT WINGH & CRANE OPERATION. 11 WAS BEFORE. 1606 CTD ON DECK. 1617 CK 272° PGC, 245 YSC, 15 TO 100 RAM. 1715 ALL STUP. 1718 CTD LWWERING, LS8.38.45 N > 145° 37.0 W. 1824 HOISTING CTD PRAM WAY DEPTH 4000M. 1945 WATCH REI 16450 BY 2/M STANLAND |
| 2000-2400 E.SCANLAND ON WATCH W/AB, GOODA<br>BEFORE. 2012 CTD FEWT ON DECK. U/W COURSE 2<br>2025 INCINERATIRE LIT OFF. 2128 CTD EEWS DRYD<br>2245 RELIEVED BY A/M J.OACL. & ALANDANA                               | 11°T AT 100 R  |
|  |  |
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WW 2003 2 Tas DATE 16(0) ZONE DESCRIPTION

FOCI 1cmo309 AT/ON CRUISE

BERTH

WEATHER OBSERVATIONS

| ONE  |          |           |           |          | 1        | _       |           |         |                     |          |                      |            |             |                         |           |                        |
|------|----------|-----------|-----------|----------|----------|---------|-----------|---------|---------------------|----------|----------------------|------------|-------------|-------------------------|-----------|------------------------|
|      | TRUE     | GYRO      | STEER.    | ITABW    | II 8181A | DIRECT. | FORCE     | DIRECT. | CONDIT.             | DIRECT.  | HEIGHT               | BARO.      | DRY<br>BULB | WET                     | TYPE      | AMOUNT                 |
| 5    |          |           |           |          |          |         |           |         |                     |          |                      |            |             |                         |           |                        |
| 02   |          |           |           |          |          |         |           |         |                     |          |                      |            |             |                         |           |                        |
| 83   |          |           |           |          |          |         |           |         |                     |          |                      |            |             |                         |           |                        |
| 8    | 0 20     | SYATON    | 2         | ccar     | 8        | LIAMS   | -A105     | ŧ       | ,                   | 225      | 8                    | 1005.4     | 7           | 7                       | 25.23     | ·0                     |
| 05   |          |           |           |          |          |         |           |         |                     |          |                      | 76         |             |                         |           |                        |
| - 8  | 0        | 9.TI      | Land      | CLT-H    | 2        | 1161    | LIGHT-MRS | 1       | Calm                | 230      | ھ                    | 1005.4     | 44          | 41                      | tucs      | ه                      |
| 20   |          |           |           |          |          |         |           |         |                     |          |                      |            |             |                         |           |                        |
| 8    | JNO      | STATION   | MOU       | tto 7    | 9        | LIGHT   | T BIRS    | S       | CHINA               | 130      | و                    | loop 5     | 45          | 43                      | gr C3     | 00                     |
| 8    |          |           |           |          |          |         |           |         |                     |          |                      |            |             |                         |           |                        |
| 10   | ON       | STATION   | 203       | PCLOY    | ٥        | 77      | A1R5      | ١       | CRCR                | 230      | 7                    | 1008.1     | 7           | 5                       | ટ         | W                      |
| 11   |          |           |           |          |          |         |           |         |                     |          |                      |            |             |                         | Ç         |                        |
| 12 3 | ורב      | 208       | ક્ટલ      | ccoy     | 01       | これみ     | (2)       | ļ       | CACM                | 230      | J                    | L. T. 00 1 | 2           | ブブ                      | ¥ Ͻ<br>ŪÜ | n                      |
| 13   |          |           |           |          |          |         |           |         |                     |          |                      |            |             |                         | é         |                        |
| 4    | 30       | 747.5     | 2         | 503      | 0        | LIGIN   | - A.RS    | -       | ٠                   | 230      | S                    | 1.5051     | 25          | ۲,                      | 3         | ۲                      |
| 5    |          |           |           |          |          |         |           |         |                     |          |                      |            |             |                         | ,         |                        |
| 16   | 7.7      | 192       | b22       | 6004     | 0        | 200     | 90        | co 2    | 9.5                 | 22       | 2                    | 1011.6     | 20          | 9                       | 200       | و                      |
| 17   |          |           |           |          |          |         |           |         |                     |          |                      |            |             |                         |           |                        |
| 8    | Ŋď       | STA-MON   | Juo       | Peur     | 9        | 240     | ٥         | 240     | KIP                 | 270      | 4                    | 1012.5     | 200         | 44                      | <u>स</u>  | <u>ν</u>               |
| 19   | _        |           |           |          |          |         |           |         |                     |          |                      |            |             |                         |           |                        |
| 20   | B        | STATA     | ار        | PCLON    | 0        | 922     | 90        | 997     | KIP                 | 270      | 3                    | 1012.8     | \$          | \$                      | S A       | 2                      |
| 21   |          |           |           |          |          |         |           |         |                     |          |                      |            |             |                         |           |                        |
| 22   | 308      | 300       | 238       | S.R      | ٥        | 230     | 6         | 230     | KIP                 | 365      | <b>%</b>             | L. 52 01   | 85          | 3                       | 5         | _                      |
| 23   |          |           |           |          |          |         |           |         |                     |          |                      |            |             |                         |           |                        |
| 24   | 268      | 300       | 238       | CLR      | 9        | 240     | و         | 025     | RIP                 | 345      | 8-0                  | 0.7101     | e<br>T      | <del>ر</del>            | 72        | -                      |
|      |          |           |           |          |          |         |           |         |                     |          | 23                   |            |             |                         |           |                        |
| ╢┇.  | STEAMING | STEAMING  | MINO      | DUSTANCE | -        | TOTAL   | FUEL OIL  | = 9     | FUEL OIL<br>ON HAND | -        | LUB. OIL<br>CONSUMED | LUB. OIL.  | -           | FRESH WATER<br>CONSUMED |           | FRESH WATER<br>ON HAND |
| HPS. | MIN.     | DAYS HRS. | IRS. MIN. | 7        | 1 5      | 1724 1  | 1         |         | 52,62               | <u> </u> | 40                   | 430        |             |                         | 74        | 1464 an                |

19 4 00 m TYPE 08S. TIME 0400 TYPE 08S.

LATITUDE 58"38.7'N

LONGITUDE 1460 16.8' 10 oeust tesac

POSITION BY OBSERVATION

3 VIBUAL 4 D.R.

LEGEND 1 CELESTAL

LUB. OIL RECEIVED

FUEL OIL RECEIVED

STATION TIME

TYPE OBS.

LATITUDE 58" 37. 8 N LONGITUDE 147°56 TIME 2000 56.38.42 147 04.2 W 1200 LONGITUDE LATITUDE

### REMARKS

@ POS: 58 37,600 145 57,43 W, 0015 BT <-Sing read of 3400 M C C D & sch gew B, cis UST ARS BRUNST AND MILEY ASSISTING STRICK OPUNTANS. 58,38.30 N 145°57,3W 9) 9 00 0135 BT SECURITY 675 # 213 ONCWE, HUST TO C. שארוחל. COCI POS: かからろい 5013 146°15 3200 STREADLY PUMPS 55A 69W9 37504 0124 ett syacyty & POS: 5838.52N T-STAML T שא מטובל וכשסשטים נינק 2.5c2 2520 225 Sevene25 on wared Days RELIMING BY CIM 0013 PROULES. SWITEHIND J. 53 CL SZCK 00 ₹ 3 2

| OGOD-OSOO J. STAHL ON WATCH WITH ARE PERRY & MERRIMAN AFT AT WILLLY & CRANK OPERATION . W/W.      |
|---|
| AS BEFORE. 0407 CTD WIDER. 0409 Clc to 263, Pac 230, 43C, 1/3 to 100 RAM. PERRY & MERRY MERRY     |
| AT LIKELING STONKENIT, 0510 STANKED TO APPRICATE STATE ENDIG. 0570 HONE TO 0571 CTD IN THE WATER. |
| 0524 LOWERING CTD, LS8, 38.50 M > 146, 35.53 W. OBJS HOLSTING CTD, 3400 M. 0744 CTD               |
| DI DECK. 0745 40G 220° 1926 SPO 1.5 KTS FOR B. NET TOW. WATER KELLENED BY 36m SCANLAND.           |
| Jah Sand chu.   |

ABOARD, CKSE 275 260 238 PSC AND 100 RPMS FOR SITE EEWIL 0927 CTD 43 0810 BONGO 271° T. 1145 WATCH RELIEVED BY A/M J. CALL ? ACANDAND 5TA 2 OTHE BONGO EEWID DPLYDAT 58" 38.42N 146" 35.77W. SCANLAND ON WATCH W/ABS GOODMAN AND WYLLE ERWII DRLYD AT 58° 38.49N 146° 55.65 W. 1129 CTD ON DECK. 0800-1200 E AT 100 RPMs. BEFORE

58 36.560 1. 1453 CTD ON DECK. 1456 SZT CRSE 260 T FOR STA 1/2 For STA ,242 CTD DWIGTUS @ POS: milly on savirmy butils 20 CES. ASS BRUNSTAUS 1545 Beereaves 8401m 5- STAME Q. 147 15.69 W. 1337 CYD @ 2400M 1239 HAVE J. Wall on WATEM. AS BEFORE 62W 13 12-16

LASS OF STED PROPULSION MOTHER. PRESTITIED BY 1834.) 1932 SLAVED ON APPROACH TO STATE. 1942 LAVE 1752 CTD ad DECK. 1756 HOG 265 G, SPD. BEFARE. 1853 ABS SEAT AFT TO WAICH & CRANK. 1858 SLAVED ON APPROACH TO STATION. 1607 ALL STOP, HAVE TO ON STATEBOOKS. 1605 CITD IN THE WATER. 1608 CONVERING CITD 1 58°38.51 N > 147° 7.0 KTS, BONGO NETS STREAMNED AFT. 1826 B. NET AND DECK. 1830 1/3 TO 100 ROWN. (TEMPORARY 1600-2000 J. STAHL ON WATCH WITH ABS PERCH & MERRIMAN AT HELM & LOOK GUT, U/L) AS 1646 HUSTING CTD, 2000 WMAY DEPTH. 30,00

2057 18/T SELURE. 2116 CTD ON DECK. 2122 SPD 1.5 ET FORDRIFTER DRYMNT #37497 AT 58 37 N TY SG I W RISS UIW FOR STA EEW IS 269 T 264 PGC CTD EEW 14 DPLYD AT 1943 AT 805, 58° 37. 8 W 147° 55, 96 W TO 1510 DA 5/T ON LINE. CTD TO SAA DB. 2337 ON DECK. A342 RELIEVED BY A/M J. GALL ON STA #5 235 PSC AT 100 KPM, AGAS CTD EEW IS DRIYD AT 5803, 46 N 148 13 24 W. 2000-2400 F. SLANLAND ON WATCH WARD, WYLLE AND GOODMAN. Granland

FRI 16 MAY 2003 DATE ZONE DESCRIPTION +6(0)

Fuci Lake KM 030 9 ATTON CRUISE

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**OBSERVATIONS** 

WEATHER

| 80 Med 260<br>15 Med 260<br>15 Med 260<br>160 SLT 290<br>10 SLT 290<br>10 SLT 290<br>10 SLT 290<br>10 SLT 290  | WIND SEA SWELL                          | TEMP. CLOUDS  |
|--|---|---|
| 274 275 753 Persy 10 280 16 260 5.07 mes 260 274 275 753 Persy 10 275 20 275 mes 260 277 277 777 756 CLR 10 275 20 275 mes 260 277 277 777 756 CLR 10 275 20 275 mes 260 277 277 777 756 CLR 10 275 20 275 mes 260 277 277 777 756 CLR 10 275 20 275 mes 260 277 277 277 277 10 20 10 270 15 270 50 50 50 50 50 50 50 50 50 50 50 50 50  | DIRECT. CONDIT. DIRECT.                 | D. BULB BULB TYPE AMOUNT                                  |
| 274 715 753 Read 10 280 16 260 517 260 774 713 752 CLR 10 275 20 275 mad 260 777 777 777 756 CLR 10 275 21 280 mad 260 373 373 349 CLDY 10 375 30 375 mad 280 374 370 345 RELDY 10 370 15 370 56T 340 374 370 345 RELDY 10 260 15 260 54 80 375 355 555 RELDY 10 750 08 750 RELD 30 5747 CON 5747 CON CLR 12 130 8 130 6.10 375 375 375 375 375 375 375 375 375 375  |   |   |
| 274 775 753 PCLD 10 275 25 275 map 260 774 775 757 CLR 10 775 76 775 map 260 777 777 777 750 CLR 10 730 21 280 map 760 373 373 349 CLDY 10 375 20 21 280 map 760 373 373 349 CLDY 10 370 15 370 5LT 390 374 370 373 PCLDY 10 750 08 750 RUP 00 555 553 PCLDY 10 750 08 750 RUP 00 574 TON CLR 12 170 10 10 110 RIP 00 574 TON CLR 12 170 8 130 RIP 00 574 TON CLR 12 170 8 130 RIP 00 574 TON CLR 12 170 8 130 RIP 00 574 TON CLR 12 170 8 190 RIP 00 574 TON CLR 12 170 8 190 RIP 00 574 TON CLR 12 170 RIP TON FORE OF TON TONE OF T                         | 260 817 260                             | 5 47 43 AS 2  |
| 214 715 753 PCLSY 10 215 20 275 map 260 714 713 757 CLR 10 215 20 21 280 mod 260 217 717 717 356 CLR 10 280 21 280 mod 260 213 313 314 CLDY 10 315 20 315 mod 380 214 310 315 PCLDY 10 310 15 310 5LT 390 215 215 216 216 216 216 216 216 216 216 216 216  |   |   |
| 217 273 252 CLR 10 275 20 21 280 mod 260 217 277 277 278 CLR 10 280 21 280 mod 260 218 213 213 249 CLDY 10 210 15 270 5LT 290 219 219 210 210 15 270 5LT 290 219 255 255 255 2510 10 250 16 250 848 200 255 255 255 2510 10 750 09 250 848 200 2747 10N CLR 12 170 10 10 170 R.P 20N 5747 10N CLR 12 130 8 130 8.10 20N 5747 10N CLR 12 130 8 130 8.10   | 275 Mas 260                             | 2 47 43 80 2  |
| 277 777 756 CLR 10 736 21 280 mod 260 373 373 349 CLDY 10 275 20 275 mod 280 373 373 349 CLDY 10 275 20 275 mod 280 374 370 345 CLDY 10 270 15 370 5LT 290 374 370 345 CLDY 10 255 16 375 375 349 CLDY 10 255 16 375 375 349 CLDY 10 750 08 250 RAP 377 377 10N 512 17 11GHY DAKS RAP 377 377 10N CLR 12 170 10 17 R.P 378 574 10N CLR 12 170 10 110 R.P 378 574 10N CLR 12 170 8 130 R.P 378 574 10N CLR 12 170 8 8 130 R.P 378 574 10N CLR 12 170 8 8 130 R.P 378 574 10N CLR 12 170 8 8 130 R.P   |   |   |
| 277 277 26 CLR 10 280 21 280 mod 260  273 273 249 CLDY 10 275 20 275 mod 280  274 270 245 CLDY 10 270 15 270 5LT 290  200 577:00   | 275 mad 260                             | 2 46 41 - 0   |
| 277 777 756 CLR 10 780 21 280 mod 260  279 273 249 CLDY 10 270 15 270 56T 240  279 270 25 25 16  255 255 PUDY 10 260 16 260 56T 240  |   |   |
| 373 273 349 CLDY 10 275 20 275 MOD 280 200 575 555 PCLDY 10 260 16 260 SLT 290 200 555 555 PCLDY 10 750 06 750 RUP  - 00 574 TIDN CLR 12 170 10 110 RIP - 00 574 TIDN CLR 12 170 10 110 RIP - 00 574 TIDN CLR 12 170 8 130 RIP - 00 574 TIDN CLR 12 170 8 130 RIP - 00 574 TIDN CLR 12 170 8 130 RIP - 00 574 TIDN CLR 12 170 8 130 RIP - 00 574 TIDN CLR 13 170 8 130 RIP - 00 574 TIDN CLR 13 170 8 130 RIP - 00 574 TIDN CLR 13 170 8 130 RIP - 00 574 TIDN CLR 13 170 8 130 RIP - 00 574 TIDN CLR 13 170 8 170 RIP - 00 574 TIDN CLR 13 170 8 170 RIP - 00 574 TIDN CLR 13 170 8 170 RIP - 00 574 TIDN CLR 13 170 8 170 RIP - 00 574 TIDN CLR 13 170 8 170 RIP - 00 574 TIDN CLR 13 170 8 170 RIP - 00 574 TIDN CLR 13 170 RIP - 00 574 TIDN CR 13 170 RIP - 00 574 TID | 280 mod 260                             | 2 41 41 - 0   |
| 373 273 249 CLDY 10 275 20 275 MOD 280 274 270 245 PCLDY 10 210 15 270 56T 290 200 255 255 PCLDY 10 260 16 260 867 RIP 200 355 255 PCLDY 10 750 08 250 RUP 200 3TATION CLR 12 170 10 10 170 RIP 201 5TATION CLR 12 130 8 130 RIP 201 5TATION CLR 12 130 RIP 201 5TATION CLR 13 130 RIP   |   |   |
| 274 270 245 PCLOY 10 270 15 270 5LT 290 200 355 353 PCLOY 10 750 08 750 RUP  | 0 275 MOD 280                           | 4 48 43 CIR 8   |
| and and and fellow 10 and 15 and set and and answer 10 and 15 and set and 255 16  and station like 12 light and - Rip  on station like 12 light and - Rip  on station like 13 130 8 130 8.10  on station like 13 130 8  |   |   |
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| ON STATION CLR 12 130 8 130 8.10 RIP   | 2                                       |   |
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| 0N STATION CLR 12 LIGHTAIRS - RIP 0N STATION CLR 12 170 10 170 RIP 0N STATION CLR 12 170 10 170 RIP 0N STATION CLR 12 170 8 130 RIP 0N STATION CLR 12 170 8 180 RIP  |   |   |
| ON STATION CLR 12 LIGHTANS - RIP - ON STATION CLR 12 170 10 110 RIP - ON STATION CLR 12 130 8 130 RIP - TRANSHOOL PROPERTY TOWN. THEORY PURLOIL PROPERTY TOWN.   | 750 KNB 1027                            | · 0 46 41 PC Ch 3   |
| ON STATION CLR 12 LIGHTAIRS - RIP - ON STATION CLR 12 130 8 130 RIP - TRANSHOOL CLR 12 130 8 130 RIP - TRANSHOOL TOWN TRANSHOOL TOWN THE OF TH |   | 474   |
| 0N STATION CLR 12 170 10 170 RIF -  0N STATION CLR 12 130 8 130 RIP -  TEMBRO TOWN OF THE OF  | - RIP -                                 | 0 - 64 94 0.  |
| 0N STATION CLR 12 170 10 110 RIP -   |   |   |
| ON STATION CCA 12 130 8 130 R.1P -   | 0 170 RIF -                             | 0 1 xh 5h 9.  |
| TEAMING TATHLOLD CCA 12 120 8 130 R.1P -   |   |   |
| TOTAL FUEL OIL FUEL OIL  | 130 RIP -                               | 0 1 07 57 5   |
| TOTAL PUEL OIL FUEL OIL  |   |   |
| TIME CONSUMED ON HAND  | FUEL OIL FUEL OIL LUB. OIL O CONSUMED O | LUB. OIL FRESH WATER FRESH WATER ON HAND CONSUMED ON HAND |
| 6 3 52 52 5 12 2 2 10 10 10 10 10 10 10 10 10 10 10 10 10  |   | 430 mg  |

FRESH WATER RECEIVED LEGEND 1 CELESTAL 2 ODO 2 ELECTRONIC LUB. OIL RECEIVED FUEL OIL RECEIVED ORAFT DETENTION STATION TAME

BAYS

BAYS

STATION TAME

BAYS

STATION

ST

POSITION BY OBSERVATION

3 VISUAL 4 D.R.

TYPE OBS. 3 LATITUDE 1520 14.3 W TIME 59001, 2 N LONGITUDE 58.41.20 LONGITUDE 1512 44.3 W 1200 LATITUDE SS 2234 WX STAT TRING OBS.

INTINDE 58 36.6 M

LONGITUDE 148 53.7 W

### REMARKS

392 2820 compar AT8 7, INCRY Poss CTD CAST e sm 0154 HANT TO B SIM ESW 16. OISE CTD DONOTUS @ POS: 58°36.78 N MILLY ASSISTING WI DICK OPPLATINGS 1000 RaBoaT VMS HAVE TO STA ARW IS 55 A ON 57CK, 0136 for CTD 58,37,14 146,26,81 W, 0032 0110 7 CC2 2500 785 9120 TS @ Ξ, 1200 820 16 €4W 0112 6TD DWW. 04 00 PUST: 58 36,95 N 148 30,10 W. 0134 CTD SCA らいしいろ 0330 HAND TO @ STA TIR. OOSY CID ON DICK, OOSE SET USE 255 TFOR 40025 GWS # 2/3 SOWS TROP 7662 520000 @ STA EEW 16, 0030 CTD DOPUNIN @ POS: 10 # 0252 C14 Z. 1.85 ON STCIC. 50 35. N 148 19.1 W SWITH Be went. 15m0309 2348 (15) 3 2250 20136 554 Raw 16. TUST COMPLESION MOMS TO 100. 148-33.86W, 00

STAD MOTOR RACK ON-IN PROLITORSS. Jude 58, 36,72 ~ 148, 52,90 W, 0336 STID MOTOR SHUTDOWN, 0342 recitude by cin J. STAML, CTD 0340 . 3h1

0354 CTD all DEVK. 0358 DEVES SECUNED, CLC 275° PCC. 253° PSC, 1/5 TO 96 RPM, Odds 5506#1.
ALLIALE, 1/5 TO 175 KPM. 0132 ALC TO 277° PGC 256° PSC. 0145 WATCH RELIEVED BY 3/M SCALLAND. 3 1. STALL ON WATCH WITH ABS PERRY & MERRIMAN AT LIEUM & LOOKALT. UND AS BEFORE. cle 275° Pac. 253° Pac, 1/3 To 96 RPM, 0406 5506#1 Sa Sail 0400-0800

U/W A5 Grandan 0500-1200 E. SCANLAND AN WATCH W/ABS GOODMAN AND MYCLE 6 J. GALL RELIEVED BY Alm 571 RPMa 195 ملاح

1516 CTD STA CIST @ 1270) U/W AS B2F3R8. For Sca \* 24.63 0 1525 HAVE TO BERK SEB. 1528 CTS DUCYD @ POL; SG 44, 620 152"22,70 W. 1503 SET CRSE CIE'T 58-34.41 152 8 CA Say. JAN 52525 Sports ASS BALLST AND MICLAR AT HEEM / LOOKENT wach) 222 henrie HMJE TO (500) CTS ON DICK. 1443 1320 APPROACHUM STASES D. Weny as Deck, 1412 SET CASE 013"T FOR STA SEM. 260' PLC FOR APPROACH TO ON SLEEK, PRICKING BY CIM 5. SSYIML. 500 1358 @ Pas: 56'42,24 N 152'23,75 W. for Daip Cueck. J. M. J. WATCH cle 50 2552 04C Acc 8000 12-16 1248

1. \$ 090°T 2.4 Nm. 1823 NW PT USHABAT 1. \$ 090°T, 3.65 Nm, Cle TO 655°T, 052° 180°C. 1844 Cle
TO 090°T. 1900 SIGNED FOR STA. 1913 HONE TO, OTO 10, 1914 CTD 10, 158°55.00°N 2.152°18.00°N, 1918 CTD 10,
18m. 1926 CTD DAI DECK, SECURED. Cle 041°T, 036°190, 1/5 100 RPm. 1940 SIGNED FOR STARKED. 1945
WATCH RELIEUED BY 3 Pm SCANITAND. 1600-7000 J. STAHL ON WATCH WITH ARS PERRY & MERKIMAN FET AT CRANE & WINDLE . U. WAS BERKE. (722 CTD 1618 HOVE TO ON STRATOON SEZ. 1620 MTD LANDERING L 58° 46.97 N 152°21.71 W. 1638 CTD on DECK, M. DECKILL 135M 1629 Clc TD 006°T, US TD 100 RPM. 1704 HOLE AL TO 301° Pac 1150 AL TO 310° Pac. 1758 Cle TO DOO'T, 353° Pac 350° Pac. 1815 W. 47. USHAGAT TO ON SITE SELL SECURED SS DG # 3. 1707 CITO IN, Y, I 58° 49.75 N SIS, 26.58 W, 1722 CITON SURFACE. 1725 CITO ON DECK. CLG TO 320' PGC, 1/3 TO 100 RPM. 1734 A 1C TO 313° PGC. 1739 1/3 TO 100 KPM CIC TO 006 T

3220 2000-2400 E. SCANCAND ON WATCH WI ABS WYLLE AND GOODMAN, POSITION FOR COURSE 31° T AND 100 8 PMS FOR STA KET. 2345 HOVE TO ON STA. RELIEUED DA DECK STA 1956 CTD LEG DPLYD AT 59°01. 22 N 152° 14.3 W TO 127 DB. 2011 ON DECK P COURSE NE 2045 CTD KES DPLYD AT 59 03 UN 150 13 W 2137 CTD DPLYD AT 2334 SNIN SPMS FUR KED BALYD AT 59° 11 00 10 152° 04 43 W. ST.C DA DECK NEXT CTD KES DPLYD AT 51°08.38N 152°07.65W. 2235 TO KEY. 2153 ON DECK 3.3 NM S' Aranlard DECK. LOURSE NE TO 150 DB STA KES Wa 80 6 21 JAM J. WALL 128 DE 2059 ON A A. GNM 59°06.47 N 50

RV KILO MOANA AT/ON CRUISE

+6(0) **ZONE DESCRIPTION** 

DATE

BERTH

WEATHER OBSERVATIONS

| TRUE<br>10 P     | GYRO           | STAND.           | ITA      | 181 |                   |                      |            |                     |         |                      |                     |        |                         |   |                        |
|------------------|----------------|------------------|----------|-----|-------------------|----------------------|------------|---------------------|---------|----------------------|---------------------|--------|-------------------------|---|------------------------|
|                  |                | ВТЕЕН.           |          | SIA | DIRECT.           | FORCE                | DIRECT.    | CONDIT.             | DIRECT. | неівнт               | BARO.               | BULB   | WET                     | TYPE                                    | AMOUNT                 |
|                  |                |                  |          |     |                   |                      |            |                     |         |                      |                     |        |                         |   |                        |
|                  | 109            | 093              | cra      | 01  | 140               | ç.                   | 140        | RIP                 | ı       | 1                    | 1024.2              | د! ع   | ž                       | ,                                       | ι                      |
| 1                |                |                  |          |     |                   |                      |            |                     |         |                      |                     |        |                         |   |                        |
| 049              |                |                  | 1.472    | છ   | 150               | 00                   | 150        | SCA                 | 1       | ı                    | 1022.1              | ۳<br>ټ | 0<br>T                  | S C C                                   | ز                      |
|                  |                |                  |          |     |                   |                      |            |                     |         |                      |                     |        |                         |   |                        |
| P.V              | STATION        | _                | OAST     | 80  | 135               | 1.1                  | 135        | 315                 | 1       | 1                    | 1026.0              | 44     | 39                      | Sc Mc                                   | 0                      |
|                  |                |                  |          |     |                   |                      |            |                     |         |                      |                     |        |                         |   |                        |
| ō                | ON STRTION     | Non              | 6CS-T    | 00  | 115               | =                    | 115        | SLT                 | 250     | 2                    | 2.9201              | 44     | 4                       | 2                                       | S                      |
|                  |                |                  |          |     |                   |                      |            |                     |         |                      |                     | _      |                         |   |                        |
| S                | STAT           | (00)             | 200      | 0   | 135               | 0-                   | 135        | RIP                 | 20S     | ہ                    | ١,٢٤٥١              | 43     | 38                      | 3C                                      | 0                      |
|                  |                |                  |          |     |                   |                      |            |                     |         |                      |                     |        |                         |   |                        |
| S                | <b>अम्स्</b> र | 2                | 300      | Ö   | 080               | 13                   | 011        | RIP                 | 300     | 4                    | 1c28.7              | 43     | 38                      | ર્ગેર્ડ                                 | 01                     |
|                  |                |                  |          |     |                   |                      |            |                     |         |                      |                     |        | ==                      |   |                        |
| 3                | 3,577.0        | 2                | しとっての    | õ   | 130               | ň                    | 190        | 25.75               | ,       | 1                    | 1026.6              | 45     | 2 12                    | A S S C C C C C C C C C C C C C C C C C | 5                      |
|                  |                |                  |          |     |                   |                      |            |                     |         |                      |                     |        |                         |   |                        |
| 5                | 557500         | 2                | 6134     | 90  | ۲.                | 12                   | 511        | 365                 | ,       | ,                    | 1028.5              | ځ      | ۲                       | 25                                      | 6                      |
|                  |                |                  |          |     |                   |                      |            |                     |         |                      |                     | c      |                         |   |                        |
| ā                | M STATION      | par              | 500      | 0   | 105               | 18                   | 105        | 36.7                | ı       | ١                    | 1027.0              | 8      | 4                       | मु ३५                                   | 9                      |
|                  |                |                  |          |     |                   |                      |            |                     |         |                      |                     |        |                         |   | Ş.                     |
| 167              | 1297           | 240              | FGD-     | 0   | одо               |                      | 040        | SLT                 | 1       | {                    | 1077.0              | 44     | \$                      | SC PC                                   | 8                      |
|                  |                |                  |          |     |                   |                      |            |                     |         |                      |                     |        |                         |   |                        |
| 37               | अभ्            | 119              | درمر     | Ø   | 001               | 90                   | 100        | MOD                 | 150     | 7                    | 5,7,501             | 70     | င္                      | 3                                       | 9                      |
|                  |                |                  |          |     |                   |                      |            |                     |         |                      |                     |        |                         |   |                        |
| 143              | 071            | ヹ                | کرے      | ٨   | 080               | 30                   | 080        | MOD                 | ,       |                      | 1026.7              | ブプ     | <u>-</u>                | 57                                      | 9                      |
|                  |                |                  |          |     |                   |                      |            |                     |         |                      |                     |        |                         |   |                        |
| STEAMING<br>TIME | _              | FAL              | DISTANCE |     | TOTAL<br>DISTANCE | FUEL OIL<br>CONSUMED | AED<br>AED | FUEL OIL<br>ON KAND |         | LUB. OIL<br>CONSUMED | LUB. OIL<br>ON HAND | 1      | FRESH WATER<br>CONSUMED |   | FRESH WATER<br>ON HAND |
| # Q              | <u> </u> 8 ™   | <u>'</u><br> ≝ ∿ | 14.3     | 61  | 19.00.6           | J                    | 8          | 48263               | <br>    | , S                  | 430                 | 8      |                         | 6. 3<br>0. 3                            | 633 i aal.             |

WX D2441 TOTAL 19:00

POSITION BY OBSERVATION

TYPE

3 YIBUAL 4 D.R. LEGEND 1 CELESTIAL 2 ELECTRONIC

THE ACOO TYPEOBS.
LATITUDE 58 5 スラ・名 A LONGITUDE 1510 スピ・ロ W 150 49.8W . 9S LONGITUDE LATITUDE TIME D400 TYPE 0BS.

LATITUDE 5404.6 1 LA LONGITUDE (5 | 2 | 1, 4 | 1)

### REMARKS

בושי בופו נפושי באשום ססמש CTD OPERING PUS: S9"14.01 N 152"02,12 W. 0015 ARN #3 SADLAY ० थन 152° 02.1 W. Swirches To # 2 OULWE, H.JZ TO @ STA ICE 1, 2350 Arsistwy with back ofentions ous ele To 135 °T, 0,20 ele ozso szcuny Ro 0330 TAUL, STEMMY OUT OLC / OUZ PSC. 0345 RALIND 31 CM 5-SMUL JUST יררט/ DOIR CTD ON DECK. STANWY OGO" PAC Compute Resource - sough Prozed. 0001 Pos: 59214,00 किराहार के 010 नि AND MICCH 136° PSC. JUDING WAY CA CRUIS 15 MOS DG CRAZ, GRUS # 1/2 170,046 ge second, SONST 0235 cie to 0903 rave 6229 A.B.S 293 686. 5000 3 STEMBE 109 PAC 5. cd.c STRING POWS. ארנו וא סמשיתי

SECURED ON DECK, CL 175° PCC 139° PSC, 1/5 TO 100 RPM. 0527 STANED. 0536 HOVE TO ON STIF GPT. obol (TD SECURED, C/C TO 170°T, 1/5 TO 100 RPM, OB59 SLOWED. OB96 HOVE TO ONI STA. GPZ. 0647 CTO IN THE WINTER. OB53 CTD 1/159 80. 1645 (1) SECURE, 1/5 0440 SLUWIED FAR STA APPROACH SECURED SSDG 3. 0445 HAVE TO ON STAR GPG, GARE 4T \$029 'T, R 2.5 NM. 0446 CTD IN THE WATER , 0449 CTD & L 59°04.55'N 2151°00.39'W, 0452 CTD A, 73M. 0500 CTD 0400-5800 J. STALL ON WATCH WITH ABS PERRY & MERRIMAN ATTIKUM & LOSKWIT. UM AS BECAPE. cic 170°T, 1/5 to 100 RPm. 0740 ALL STOP ON STA GPB. 0745 WATCH RELIEVED BY 36m SCAMLAND 0537 CTD IN THE WATER. 0540 CTD & 159° 06.0'N, > 150°59 39 W.

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0848 1100 ON DECK. 102°T AT 100 RPMS FOR NEXT SITE 1135 B/T ON LINE, 0906 ON DECK. ITY T AT 100 RPMS FOR 5746 CTD 6P3 STA 695, 0946 CTD 6PS DRIXD AT 58°49,18 N 150° 52,15 W, 1004 ON DECK B/T (00RSE 63°T 65°PCC 130°T AT 100 RPM3 FOR STA 12P4 IN "TY TOO REMS FOR STA CPC 1041 CTDGPC DOLYD AT 58" 44 94 N Stanlan DSOO-1200 E.SCANLAND ON WATCH W/AB, GOODMAN AND WYLLE ۵ CALL. POSITIONING FOR GPLOW. RELIEVED BY WM J. CTO GPY DPLYD AT 58" SZ. SKN 150" 53 94 W. DPLYD. OXOT ON DECK. 150°52.05 W. SELURE

FOR STA APG. 1432 HAVE TO C. SVA APG. 1434 CTS BUCGIN P. PCS. S8'28, G7 N 150'45-10W CID ON 32CK-1 400 7255 COMPLY D SIT COST conducted free Amust First of stiff stemps and he four morning from acid position MANNS OF 46cFR 97 DICIC OPERATIONS 0252 170° T FUR SUA APA, 1240 BT OULINE, 1243 HOAVE TO @ 5'T SECULTS. 58.22.68 N 150 42,23W. שיים בישו שוניב וחשובו בישור בישר בישר בישר בישר אינים 3021 346 673 ON DECK. 1347 IAN 33 C42 164.25 AD CTD ON DECK BT SECURDS. 1446 SIT CASE 1612 T F. R. WAW STATIOUS. 58.40.19 W 150.49.96 W 1245 675 676 675 6764 A POST 58'35, 33 A 156"48 10 W, 1362 615 0 A DECK 47. CASS 165" T FOR SEA 4PJA. 1323 ST ONL WY. 1330 HAMITO @ SIA disons chreited. MILLY ASSISTING 1538 4412 To Burn STA, 1543 CID DURETED CPOS 500 CIS CIST IN PREFITES MANJULATON STEWEN SCIERC / SCENINA 1145 CTD BOOLDF 19 P 5000 SC 400 AND IN THE STRY WA 58, 32, 16 3 150 46. 66, 13, ASS שארכשי LITURS BY CIM G.STANL 120 325 AP64. \$ £ \$ DN THE BRESHE 12-16 J. AAL 1.091 9 1.1.1 2/11

STA. 1918 HOVE-TO ASTA ARS. 1920 CTD & LSB 76. 45 A > 151° 26. 11 W. 1925 CTD & 125M. 1934 CTD ON DECK. 1936 CIC TO 26,786,746,786,1/3 100 RPM. 1945 WATCH RELIEVED BY 3 AM SCANLAND. (84 SAL) PLANCED BY 3 AM SCANLAND. 1/5 100 RBM. 1754 SLOWED FOR STA. 1807 HONE TO COLSTA APPLATO IN WATER. 1809 CTO by LSB 27.37 N/N ISI 08.335 W. 1814 CTO A 95M. 1822 CTO DAI DECK. 1823 CLC 250 PCC, 260 COG, 1/2 100 RPM. 1906 SAMED TAR CTD P, 62M. 1554 CTD ON DECK. 1556 Clc TO 304 %, 1/8 100 RPM. 1651 SLAWED FOR STA PPP. 1700 STOPPED ON STA. APS 1702 CTD IN WATER 1 58 28. 0 N X 150 SG. 7 W. 1714 CTD ON DK, CLC TO 760 G 1600-7000 J.STALL ON WATCH WITH ABO BERRY & MEKRIMANA AT LIEUM & LOOKBUT. U/W AS BEFORE.

2000-2400 E. SCANLAND ON WATCH WABS WYLIE AND GOODMAN U/W AS BEFORE 3 2133 SEA LION ROCKS ACT ON DECK 3345 AT 58° AY 95 N 151° 43.15 W. DAOT ON DECK 25C. AT 50 REMS. 246° I/5 TO 60 REMS. 2345 2039 CTD APA DPLYD AT 51° 35.67 N 151° 32.02 W TO 16306 100 RPMS FOR SITE APIL. Granland FOR KODIAK 145°T 142°P6C 113°PSC ספראסם COURSE 203°T 204° PLC 236° PSC 7 RECIEVED BY A/M J. LACK. CTD AP1

8 (S) ZONE DESCRIPTION

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AT/ON CRUISE

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| FRESH WATER<br>ON HAND | <b>⊩</b> ; | FRESH WATER<br>CONSUMED | H    | LUB. OK.<br>ON HAND | LUB, OIL<br>CONSUMED | -8   | FUEL OIL<br>ON HAND | ED . | FUEL OIL<br>CONSUMED | TOTAL.<br>DISTANCE |      | DISTANCE      | THE  | TOTAL<br>STEANING<br>TME | STEAMING      | òn i     |
| -                      |            |                         |      |                     |                      |      |                     |      |                      |                    |      |               |      |                          |               |          |
|                        |            |                         |      |                     |                      |      |                     |      |                      | _                  |      |               |      |                          |               | 24       |
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|                        |            |                         |      |                     |                      |      |                     |      |                      |                    |      |               |      |                          |               | 19       |
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| 0                      | 57         | 43                      | 7    | 1025.6              | ١                    |      | 1                   | ı    | 0)                   | 570                | 1    | O'CAST        | o    | FUELIN                   | $\overline{}$ | X        |
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|                        |            |                         |      |                     |                      |      |                     |      |                      |                    |      |               |      |                          |               | ප        |

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| STATION TIME   | ME   | DETENTION | COMPASS<br>ERROR | SO.       | DRAFT    | FUEL OIL RECEIVED | LUB. OIL RECEIVED | FRESH WATER RECEIVED | CEIVED |
|----------------|------|-----------|------------------|-----------|----------|-------------------|-------------------|----------------------|--------|
| £              | ğ    | FF. MAY.  |                  |           |          |                   |                   |                      |        |
| ٥              | 00   |           | GYRO             | DEPARTING | ARRIVING | Se oco            | OAL               |                      | A      |
| TOTAL          |      | TOTAL     |                  |           |          |                   |                   |                      |        |
| STATION        | THE  | DETENTION | STAND.           | PWD.      | 740.     | TYPE              | TYPE              | TREATED YES          | ą      |
| DAYS HRS. MIN. | MIN. | MA. MIN.  |                  |           |          |                   |                   |                      |        |
| 13 12 50       | S    | 30        | DEV. AFT.        | AFT.      | AFT.     | 60                | 00                |                      |        |

18:00 WK DRUGG GORAL

POSITION BY OBSERVATION

LEGEND 1 CELESTIAL 3 VISUA TYPE 088. LONGITUDE LATITUDE LONGITUDE LATITUDE TIME OGO TYPE OBS.
LATITUDE 570 50.4" N
LONGITUDE (510 40.6" L)

### REMARKS

TO 60. 0235 CHANGE 0001 PES: 56"16,9 N 151" 32,8 W, COURSE 144" TANZ. SWITCHIS TO stemmy 165° PAC, 132° PSC 2346 (11) 230 PAC UND NEW M のことのこ c/HBG TO TIS MM NEDE MARM OF ISOME, UP GOR KEDSIAK. 345 54 BUDDEL PRIMS TO JS. CT SMAD 240, 646 0325 INC 173° PAC. בפשל יפו סד של של של שב בפב Ar w oose 0127 C/NDA TO Samo 237 540 Cabuca course icmosos 1242, nous INOMIT OURS TO BS. #1 STEEDULY PUMS. G. STAHL PO - 00 CO7232 5107 5305

0629 5809 2 01 LINE. 06d6 REFUGE 1. 0 327 T., 1.3NM. 0700 047 115 TO GORDM. 0450 MC TO 245 Pac 205 PBC. 0572 A1C TO 235 Pac 189 PBC. 0671 EPT. LONG 1. ALL SAR SHIENED TO AT 25TEBRING PUMP. REFLUGE 1. Ø 640°T, 1.6 NM. 0705 MOSTER YOS THE CONJUBETER PELLEVED BY 2 MM GALL. IN SALL COLD. OGOO-OBOO J. STAHL ON WATCH WITH ABS PRERY & MERRIMAN AT HELM & LOSKULT. WAL AS BEFORE

SCANLAND ON WATCH. ABS WYCIE, AND GOODMAN AT FUELING STATIONS TST 3 SP BOUY CAPT DROWAY MIS THE COMM AS WYLIT & HACK STRBRD 24'2" 1140 ABS WYLIE AND GOODMAN RELIEVED BY CASES AND SPENS TO ENTRE KNOW IC PREEZE, LIGHT RANJ, DOST. PEKLODIC PANALDS WADE, LINES & GANGANA TEADED. ALL QUIET ABOUT THE Scanlan fire 1600-7055 STAHL, PEKRY & MEKKIMAN ON WATCH. 1620 MOUKED AS BEAKE, WEADLINE, AD SPRING UNE, AFT SPRING, BREASTLINE, WETSLARE STERNINE ALL DOUBLED. VISLEBY AT BERTH. NE'LY GENTTE obso HAUZTO FOR FURN DEPORTING 3m462-44 1459 WB 2/3 CO 4 62 1AM 33 CAR 164.25 FWDIRS SICULS BEGIN FUELING DRAFTS THEEN, FORMARD: PORT 23' STRERD 23'S" MILLER AND BRUNDT 1310 FUELING COMPLETE UNCORRECTED FIGURE OF W/ BOW THRUSTIR of 2015 Dad Associate over fusus. 4 Dougen THE COND J. CALL MART 2450 C17415 21477 ALARM AHAB/ATCHN, SON THINKING 1619 ALL PAST. STAHL 5P67 - 8-7 3 5926 15C LINE 1425 Camerilas 1530 NEAJE TO NEM USCS FUEL PIN 85A7100 ALL MOORNS favoras. 1401 SO,000 GALLONS TAKEN, 1330 RELIEVED BY C/M J. SHIP 427912 for wounds any strawt Various costs and sons, 1450 CHICKLIST COMPITY 194 33 CA 164.26 CM TCIC LIST G. HALL ON WATER. HOUR TO AS BOPONE. 0712 HOLDWA SPUSONY CO- STEMME VARIOUS PUMS SECUTION 1605 150 LINE. 5000 0845-6> RB. MALLY APPRACH TO FULL PINE CAPT DIREMOY 1415 2 AAN SWA7 AS BOWNST @ HELM. 1410 MANEUNT OF BOCK Womme PRAMONIAM J.P. 0949 BMND HOISTUS OBIY 4075PM. WZZ BY STRE anms are such NIWY 2,2 APPROACHUM BURTH. sors, miscie / amore היותאן ואסף כוצע בעיב 0300 r, 1203 242,082 Steary Compere R6 + 15 18 R14-8-7 70 JSC4 1180 ogos furns proso SIT CARL AFT: PORT 23' 6" שאנישטע הנדת יור בנה £9110mm Part 5122 ۲۶۶۲ Purpontry few stars in place 52622152 cha STRUS KM 916 22~17 23.62 MOORTS 321042 May 2. ᆈ 1,20,1 0001 <u>8</u>0

randord ADOD-AYOO E SCANCAND WYLLE, AND GOODMAN ON WATCH MODRED ITS BEFORE 2200 SECURE OACL 닝 HC. व्यव 2030 GOUND COMPLETE 7 2330 RELIEVED LINES AND GANGLARY TENDED 2300 ALL SECURE SELVRE.

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