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CTD Cast Weather
THE MISSES CAST

| | | , | ~ | 1 2 | | | | _ | _ | | | | | | | _ | _ |
|------------------|-------------|---------|--------|---------|---------|----------|----------|--------|---------|-------------------|-----------------|-------------------|-----------|-----------|-----------|----------------|----------------|
| Weather | (CODE) | ħ | | | رو | 1 | - / x/ | Ø | Ø | Ø | ø, | ø, | Ø | } | | 0 | 0 |
| Clouds | Type (CODE) | 7 7 | 4 | * | * | 3.6 | و. | 9 | * | * | * | * | * | 3 | 2 | * | * |
| | Amt | න | | 2 | 5 | <i>5</i> | و | Ø | * | * | * | * | * | _ | ч | * | * |
| Winds | Speed (kts) | 3.2 | | 90 | 'n | 2 | 8 | 200 | 20 | 20 | 20 | 20 | 20 | 3 | 67 | 5 | 02 |
| Wi | Dirn (true) | 1919 | | 225 | 201 | /8c | 2,50 | 240 | 361 | 260 | 260 | 250 | 250 | 250 | 059 | 010 | 010 |
| Vis | (GODE) | 3 | | 7 | 7 | 7 | ~ | Ø | 080 | × | 8 | × | d | 8 | 8 | 8 | 8 |
| Seas | (CODE) | 2 | | 7 | | _ | eg | 7 | 7 | h | 7 | T | I | ر (| 7 | 7 | , |
| Bar. Press. | (mb) | 6.0%01 | | 1029.5 | 1029.0 | P. 3501 | 0.7501 | 5.4701 | 1023,1 | 1023.5 | 1023.3 | 1023.2 | 1023 | 1022.0 | 1017,2 | 1017.2 | 1017.3 |
| Temperature (°C) | Wet | V. |) | 11.5 | 10:3 | ج.' | 12,0 | 14,0 | 12.0 | 12,3 | 12.0 | 12.0 | 12.2 | 12.0 | 12.7 | 11.8 | 1.8 |
| Tempera | Dny | 3 | • • | 12.0 | 11.3 | ir.4 | 12.9 | (5,0 | 13,1 | 13.5 | 13.0 | 12.8 | 13.0 | lain | | 13.0 | 0.51 |
| Time | (GMT) | | | 8101 | 1152 | 1257 | 1255 | 0630 | 0720 | 0750 | 0480 | 2460 | 1020 | 1402 | 5490 | 04 to | 0825 |
| Date | 19 |)0/hl/8 | 1 | 20/51/8 | 8/15/02 | 8/15/02 | 8/10/02 | ropeys | 20/11/8 | 508-RED 17-AUG-02 | Ch 80 20-974-41 | 24-046-02 0940-FI | 17-Aus-02 | 17 AVG-02 | 18-AUG-02 | 04 to 20-24-81 | 1x-446-07 0825 |
| Cast # | | 501 | | ×503 | 204 | 32.5 | 506 | B | 508 | 508-RED | 504 | 210 | 5)1 | 23 | | | 212 |

** IF SKY IS NOT VISIBLE, CLOUD AMOUNT = 9; OTHERWISE CLOUD ABOUNT SHOULD BE RECORDED IN EIGHTHS (EXAMPLE: CLOUD AMOUNT = 3/8; RECORD 3)

| SOE | SEA STATE (FT) | VISIBILITY (NM) | CLOUD TYPE | WEATHER STORY | 80 |
|------------------|-------------------------------|-------------------------------|----------------------|-----------------------|----|
| 0. | 0.0 feet - Glassy | < 00.02 CHPUS | CIPPLIS | CLEAR : 15 62 8 | 0 |
| 546 310 35 | 0.0 - 0.3 feet - Rippled . | 00.02 - 00.10 | CIRROCUMULUS | PARTLYCLOUDY | - |
| 2 | 0.3 - 1.6 feet - Wavelet | 00.10 - 00.25 | CIRROSTRATUS | CONTINUOUS CLOUDS | 2 |
| က | 1.6 - 4.1 feet - Slight | 00.25 - 00.50 | ALTOCUMULUS | BLOWING SNOW | 3 |
| .4 | 4.1 - 8.2 feet - Moderate | 00.50 - 01.00 | ALTOSTRATUS | FOG, THICK DUST, HAZE | 4 |
| 5 | 8.2 - 13.1 feet - Rough | 01.00 - 02.00 | NIMBOSTRATUS | DRIZZLE | 5 |
| 9 | 13.1 - 19.7 feet - Very Rough | 02.00 - 05.00 | STRATOCUMULUS RAIN | RAIN | 9 |
| 7 | 19.7 - 29.5 feet - High | 05.00 - 10.00 | STRATUS | SNOW OR RAIN/SNOW MIX | 7 |
| 8 | 29.5 - 45.9 feet - Very High | 10.00 - 25.00 | CUMULUS | SHOWERS | 8 |
| o | > 45.9 feet - Phenomenal | > 25.00 | > 25.00 CUMULONIMBUS | THUNDERSTORMS | 6 |
| | NO OBSERVATION | NO OBSERVATION NO OBSERVATION | NO OBSERVATION | NO OBSERVATION | |
| | | | | | |

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CTD Cast Weather

| Weather | (CODE) | Ø | 0 | in the second | | | = 1 = 3 | | 7 | 35.00 mm | ⊅ | J | ý | 2 | 2 | L , | ^ |
|------------------|-------------|-----------|-----------|---------------|----------------|----------------|------------------|----------------|----------------|----------------|----------|--------|-----------|-----------|---------|------------|------|
| Clouds | Type (CODE) | * | * | | 0 | 0 | 0 | 3 | 9 | 9 | ۲ | ۲ | ا (ه : | 7 | ٠ / ا | + | r |
| | Amt ** | 鉄 | * | | て | 3 | M | h | Ìσ | 4 | ا (| v | Sec | 7 | Ç• | Ø | 6 |
| spu | Speed (kts) | HØ | 44 | | 50 | 67 | 40 | 06 | ٥٥ | 02 | ני | 17 | 74 | 10 | 20 | 16 | 77 |
| Winds | Dirn (true) | 010 | ,000 | ر | 090 | 210° | 180. | 190 | 1750 | 6250 | 185 | 195 | 175 | 190 | 215 | 830 | 100 |
| Vis | (CODE) | 8 | òo | • | ~ | 8 | 8 | ⋄ | 8 | 60 | ţ | + | ~ | 7 | L | 4 | 1 |
| Seas | (CODE) | _ | | | | 2 | 7 | 2 | _ | 12 | 4 | 7 | 2 | ~ | ~ | 6 | ١ |
| Bar. Press. | (mb) | 1017.3 | 1017.3 | | 1016.3 | 1015.2 | 1015.2 | 1015.2 | 1013.3 | 6,000 | 1001.7 | J.0001 | 10000 | A43,4 | 993.i | 5766 | |
| ture (°C) | Wet | 12.0 | 17.2 | | 15.00 | 11.2 | 0.21 | 12,0 | 11.6 | 8 1 | ٦. ٦ | 11.9 | 11.5 | 2.11 | 17.1 | 12,0 | 2 |
| Temperature (°C) | Dry | 13.0 | 13.0 | | 17.2 | 11.9 | 12.4 | 2.5 | (2.¢ | 11.2 | 6, 1 | 11,1 | 11,5 | 17.7 | 12.9 | 12.6 | |
| Time | (GMT) | 0430 | 1020 | | 0300 | 1070 | \$180 | 2480 | 1303 | 1450 | 1219 | 1313 | 1406 | 1145 | 17.5% | 2000 | 24 |
| Date | | 18-AUC-02 | 29-9HY-81 | | 19 AUG-02 0300 | 19 AUG 02 0701 | 8180 20 - 2MY 61 | 19-Auc-02 0845 | (9 AVG-62 1303 | 49 AVG-02 1450 | 35 A CO2 | | 20 AWG 02 | 21 Aug 62 | 21 0000 | 29 AJC 02 | 10 P |
| Cast # | | 516 | 517 | | 519 | 520 | 521 | 522 | 222 | 1 | 1 | 538 | 579 | 530 | 27.5 | 23.5 | 1 |

* IF SKY IS NOT VISIBLE, CLOUD AMOUNT = 9; OTHERWISE CLOUD ABOUNT SHOULD BE RECORDED IN EIGHTHS (EXAMPLE: CLOUD AMOUNT = 3/8; RECORD 3)

| 80E | SEA STATE (FT) | VISIBILITY (NM) | CLOUD TYPE | WEATHER | 8 |
|-----|-------------------------------|-------------------------------|----------------------|-----------------------|---|
| 0 | . 0.0 feet - Glassy | < 00.02 CHPRUS | CIPAUS | CLEAR | 0 |
| | 0.0 - 0.3 feet - Rippled . | 00.02 - 00.10 | CIRROCUMULUS | PARTYCLOUDY | - |
| 2 | 0.3 - 1.6 feet - Wavelet | 00.10 - 00.25 | CIRROSTRATUS | CONTINUOUS CLOUDS | 2 |
| က | . 1.6 - 4.1 feet - Slight | 00.25 - 00.50 | ALTOCUMULUS | BLOWING SNOW | 3 |
| 4 | 4.1 - 8.2 feet - Moderate | 00.50 - 01.00 | ALTOSTRATUS | FOG, THICK DUST, HAZE | 4 |
| 2 | 8.2 - 13.1 feet - Rough | 01.00 - 02.00 | NIMBOSTRATUS | DRIZZLE | 5 |
| 9 | 13.1 - 19.7 feet - Very Rough | 02.00 - 05.00 | STRATOCUMULUS RAIN | RAIN | 9 |
| 7 | 19.7 - 29.5 feet - High | 05.00 - 10.00 | STRATUS | SNOW OR RAIN/SNOW MIX | 7 |
| 00 | 29.5 - 45.9 feet - Very High | 10.00 - 25.00 | CUMULUS | SHOWERS | 8 |
| 0 | > 45.9 feet - Phenomenal | > 25.00 | > 25.00 CUMULONIMBUS | THUNDERSTOPMS | 6 |
| | NO OBSERVATION | NO OBSERVATION NO OBSERVATION | NO OBSERVATION | NO OBSERVATION | * |
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CTD Cast Weather

| Weather | (CODE) | 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1 | | | 56 | | E. C. | 1 | | | 1 | | | : | | · |
|------------------|-------------------------|------------------------------------------|----------|-----|--------|-----|--------|--------------|--------|--------|--------|-------|---|---|---|----|
| Clouds | Amt ** Type (CODE) | و | و | | 9 | | 5 | 3 | 3 | Ŋ | W | | ¥ | | | ř. |
| | | Ŋ | 9 | | 7 | | 9 | و | 73 | 9 | 9 | | | | | |
| Winds | Dirn (true) Speed (kts) | 14 | 0/ | | 96 | | 12 | 12 | 10 | 80 | 6 | | | | | |
| W | Oirn (true) | 230 | 230 | | 2 40 | | 240 | 240 | 250 | 245 | 250 | | | | | |
| Vis | (CODE) | 1 | ,6 | | 7 | | 7 | 7 | 8 | 8 | 8 | * | | | | |
| Seas | (CODE) | W | 3 | | 6 | | | _ | 7 | 7 | 7 | | | | | |
| Bar. Press. | (mp) | 997.5 | 998.0 | | 1002.3 | | 1065.1 | 1005.2 | 5.8001 | 1009.0 | 1009.0 | | | | | |
| ure (°C) | Wet | 11.2 | 135 | | 11.4 | | 1.0 | 1,0 | 11.5 | 11.6 | 11.5 | | | | | |
| Temperature (°C) | Dry | 11.8 | 13,2 | | 120 | | 11.9 | 11.9 | 12.5 | 12.6 | 12.4 | | | | | |
| Time | (GMT) | 1.300 | 1402 | | 1405 | | 0645 | 0715 | 0845 | 5250 | 6955 | | | | - | |
| Date | | 22 Aug | - 9ny et | | 23 Aug | | 24 AUG | 24 AUG- 0715 | 24 AUC | | | | | | | |
| Cast # | | 534 | 525 | 536 | 539 | 538 | 539 | 540 | 145 | 21.5 | 243 | | | | | |

** IF SKY IS NOT VISIBLE, CLOUD AMOUNT = 9; OTHERWISE CLOUD ABOUNT SHOULD BE RECORDED IN EIGHTHS (EXAMPLE: CLOUD AMOUNT = 3/8; RECORD 3)

| - | _ | | - | | | | | | | | | |
|-----|-----------------|-------------------|----------------------------|--------------------------|-------------------------|--------------------------|------------------------|-------------------------------|-------------------------|------------------------------|--------------------------|-------------------------------|
| | 8 | 0 | - | 2 | က | 4 | ည | 9 | 2 | 8 | <u>ග</u> | • |
| | WEATHER | CLEAR | PARTLYCLOUDY | CONTINUOUS CLOUDS | BLOWING SNOW | FOG, THICK DUST, HAZE | OPIZZLE | RAIN | SNOW OR RAINSNOW MIX | SHOWERS | THUNDERSTOPMS | NO OBSERVATION |
| | CLOUD TYPE | CIRRUS | CIRROCUMULUS | CIRROSTRATUS | ALTOCUMULUS | ALTOSTRATUS | NIMBOSTRATUS | S | STRATUS | CUMULUS | > 25.00 CUMULONIMBUS | NO OBSERVATION |
| 43. | VISIBILITY (NM) | < 00.02 | 00.02 - 00.10 | 00.10 - 00.25 | 00.25 - 00.50 | 00.50 - 01.00 | 01.00 - 02.00 | 02.00 - 05.00 | 05.00 - 10.00 | 10.00 - 25.00 | > 25.00 | NO OBSERVATION NO OBSERVATION |
| | SEA STATE (FT) | 0.0 feet - Glassy | 0.0 - 0.3 feet - Rippled . | 0.3 - 1.6 feet - Wavelet | 1.6 - 4.1 feet - Slight | 41 - 8.2 feet - Moderate | 82 - 13.1 feet - Rough | 13 1 - 19 7 feet - Very Rough | 19 7 - 29 5 feet - High | 29 5 - 45 9 feet - Very High | > 45 9 feet - Phenomenal | NOURSEBVATION |
| . 4 | 300 | С | | 2 | 67 | ٠4٠ | | υ (| 2 | - α | 0 | > |