WS FORM F-6
(9-76)

U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

# PRELIMINARY LOCAL CLIMATOLOGICAL DATA

STATION: Desert Rock, NV

MONTH: December | YEAR: 1983

LATITUDE: 36° 37' N | LONGITUDE: 116° 01' W | GROUND ELEVATION (H): 3298 FT. | STANDARD TIME: Pacific

| DAY | TEMPERATURE °F MAXIMUM | MINIMUM | AVERAGE | DEPARTURE FROM NORMAL | DEGREE DAYS (Base 65°) HEATING | COOLING | PRECIPITATION (In.) TOTAL (Water equivalent) | SNOWFALL, ICE PELLETS | SNOW, ICE PELLETS OR ICE ON GROUND AT | WIND AVERAGE SPEED ~~(m.p.h.)~~ KNOTS | FASTEST MILE SPEED ~~(m.p.h.)~~ KNOTS | DIRECTION | ~~SUNSHINE TOTAL (Mins)~~ Ave Stn PRESS | PERCENT OF POSSIBLE SUN | SKY COVER SUNRISE TO SUNSET (Tenths) | WEATHER OCCURRENCES | RH 04 | 10 | 16 | 22 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 54 | 36 | 45 | | 20 | 0 | 0 | 0 | 0 | 5.0 | 10 | E | 26.51 | 10 | 9 | | 73 | 44 | 45 | 79 |
| 2 | 58 | 31 | 45 | | 20 | 0 | 0 | 0 | 0 | 5.4 | 14 | SW | 26.47 | 94 | 1 | | 79 | 55 | 42 | 81 |
| 3 | 56 | 34 | 45 | | 20 | 0 | 0.02 | 0 | 0 | 14.3 | 43 | SW | 26.36 | 18 | 9 | RW- | 86 | 49 | 60 | 51 |
| 4 | 50 | 32 | 41 | | 24 | 0 | 0 | 0 | 0 | 8.9 | 24 | N | 26.59 | 92 | 1 | | 67 | 38 | 25 | 35 |
| 5 | 46 | 25 | 36 | | 29 | 0 | 0 | 0 | 0 | 6.5 | 17 | NE | 26.81 | 92 | [redacted]4 | | 44 | 42 | 17 | 61 |
| 6 | 48 | 23 | 36 | | 29 | 0 | 0 | 0 | 0 | 5.2 | 12 | SE | 26.81 | 56 | 10 | | 72 | 35 | 20 | 51 |
| 7 | 51 | 25 | 38 | | 27 | 0 | 0 | 0 | 0 | 4.5 | 14 | SE | 26.77 | 58 | 5 | | 59 | 45 | 27 | 48 |
| 8 | 53 | 26 | 40 | | 25 | 0 | 0 | 0 | 0 | 6.2 | 15 | E | 26.69 | 47 | 7 | | 72 | 29 | 27 | 42 |
| 9 | 59 | 32 | 46 | | 19 | 0 | T | 0 | 0 | 11.0 | 29 | S | 26.50 | 46 | 7 | RW- | 40 | 32 | 30 | 56 |
| 10 | 58 | 33 | 46 | | 19 | 0 | 0 | 0 | 0 | 4.4 | 14 | SW | 26.70 | 97 | 1 | | 74 | 63 | 45 | 72 |
| 11 | 60 | 37 | 49 | | 16 | 0 | 0 | 0 | 0 | 10.2 | 37 | S | 26.64 | 50 | 7 | | 74 | 52 | 24 | 58 |
| 12 | 56 | 30 | 43 | | 22 | 0 | 0 | 0 | 0 | 4.6 | 20 | NE | 26.75 | 93 | 2 | | 85 | 29 | 19 | 35 |
| 13 | 57 | 30 | 44 | | 21 | 0 | 0 | 0 | 0 | 3.1 | 15 | NE | 26.77 | 67 | 9 | | 60 | 29 | 20 | 39 |
| 14 | 62 | 36 | 49 | | 16 | 0 | 0 | 0 | 0 | 5.4 | 18 | SW | 26.67 | 95 | 0 | | 63 | 52 | 38 | 55 |
| 15 | 65 | 34 | 50 | | 15 | 0 | 0 | 0 | 0 | 6.8 | 19 | N | 26.61 | 98 | 3 | | 77 | 44 | 26 | 52 |
| 16 | 58 | 39 | 49 | | 16 | 0 | 0 | 0 | 0 | 7.5 | 16 | E | 26.67 | 41 | 6 | | 55 | 43 | 35 | 39 |
| 17 | 61 | 36 | 49 | | 16 | 0 | 0 | 0 | 0 | 6.4 | 19 | NE | 26.65 | 67 | 4 | | 58 | 45 | 33 | 49 |
| 18 | 59 | 35 | 47 | | 18 | 0 | 0 | 0 | 0 | 7.1 | 15 | NE | 26.72 | 79 | 6 | | 54 | 36 | 35 | 72 |
| 19 | 56 | 32 | 44 | | 21 | 0 | 0 | 0 | 0 | 5.0 | 12 | SW | 26.51 | 72 | 6 | | 78 | 48 | 36 | 68 |
| 20 | 52 | 31 | 42 | | 23 | 0 | 0 | 0 | 0 | 6.4 | 16 | SW | 26.37 | 99 | 0 | | 67 | 34 | 29 | 63 |
| 21 | 49 | 28 | 39 | | 26 | 0 | 0 | 0 | 0 | 6.8 | 17 | SW | 26.46 | 72 | 7 | | 68 | 46 | 38 | 62 |
| 22 | 53 | 23 | 38 | | 27 | 0 | 0 | 0 | 0 | 5.3 | 20 | SW | 26.50 | 73 | 7 | | 71 | 52 | 38 | 60 |
| 23 | 53 | 29 | 41 | | 24 | 0 | 0 | 0 | 0 | 4.7 | 11 | SE | 26.57 | 48 | 10 | | 88 | 63 | 48 | 77 |
| 24 | 55 | 34 | 45 | | 20 | 0 | 0.24 | 0 | 0 | 5.5 | 18 | S | 26.62 | 5 | 10 | R- | 80 | 62 | 73 | 91 |
| 25 | 51 | 45 | 48 | | 17 | 0 | 0.56 | 0 | 0 | 6.3 | 22 | E | 26.55 | 2 | 10 | R-, F | 91 | 96 | 86 | 90 |
| 26 | 56 | 44 | 50 | | 15 | 0 | 0 | 0 | 0 | 5.3 | 17 | SW | 26.51 | 5 | 10 | F | 94 | 92 | 67 | 91 |
| 27 | 58 | 40 | 49 | | 16 | 0 | 0 | 0 | 0 | 8.9 | 33 | N | 26.43 | 52 | 8 | | 92 | 80 | 47 | 51 |
| 28 | 46 | 30 | 38 | | 27 | 0 | 0 | 0 | 0 | 14.0 | 32 | NE | 26.80 | 92 | 5 | | 36 | 32 | 34 | 52 |
| 29 | 52 | 34 | 43 | | 22 | 0 | 0 | 0 | 0 | 6.2 | 16 | E | 26.91 | 43 | 10 | | 58 | 37 | 29 | 71 |
| 30 | 53 | 32 | 43 | | 22 | 0 | 0 | 0 | 0 | 5.4 | 14 | SE | 26.85 | 49 | 9 | | 73 | 46 | 41 | 65 |
| 31 | 61 | 33 | 47 | | 18 | 0 | 0 | 0 | 0 | 8.0 | 21 | N | 26.85 | 69 | 5 | | 81 | 45 | 41 | 53 |
| SUM | 1706 | 1009 | — | — | 650 | 0 | 0.82 | 0 | — | 210.3 | — | — | 825.62 | — | 188 | — | 2169 | 1495 | 1175 | 1869 |
| AVG | 55.0 | 32.5 | — | — | — | — | — | — | — | 6.8 | FASTEST | DIRECTION | ~~POS. SUN~~ | % | | — | 70 | 48 | 38 | 60 |
| | | | | | | | | | | MISC. → | 43 | SW | 26.63 | 61 | 6.1 | — | | | | |

## TEMPERATURE DATA

AVERAGE MONTHLY 43.8
DEPARTURE FROM NORMAL -1.2
HIGHEST 65 ON 15
LOWEST 23 ON 6
NUMBER OF DAYS WITH –
MAX. 32° OR BELOW 0
MAX. 90° OR ABOVE 0
MIN. 32° OR BELOW 16
MIN. 0° OR BELOW 0

HEATING DEGREE DAYS (Base 65°)
TOTAL THIS MONTH 650
DEPARTURE FROM NORMAL 40
SEASONAL TOTAL 1154
DEPARTURE FROM NORMAL

COOLING DEGREE DAYS (Base 65°)
TOTAL THIS MONTH 0
DEPARTURE FROM NORMAL 0
SEASONAL TOTAL 1700
DEPARTURE FROM NORMAL

## PRECIPITATION DATA

TOTAL FOR THE MONTH 0.82 IN.
DEPARTURE FROM NORMAL IN.
GREATEST IN 24 HRS. .56 ON 25

SNOWFALL, ICE PELLETS
TOTAL FOR THE MONTH 0 IN.
GREATEST IN 24 HRS. ON
GREATEST DEPTH ON GROUND ON

## WEATHER

NUMBER OF DAYS –
CLEAR (Scale 0–3) 7
PARTLY CLOUDY (Scale 4–7) 13
CLOUDY (Scale 8–10) 11
WITH 0.01 INCH OR MORE PRECIP. 2
WITH 0.10 INCH OR MORE PRECIP. 2
WITH 0.50 INCH OR MORE PRECIP. 1
WITH 1.00 INCH OR MORE PRECIP.

## SYMBOLS USED IN COLUMN 16

T = thunderstorm
R = rain
RW = rain shower
S = snow
SW = snow shower
F = fog

MAXIMUM PRECIPITATION

| Δt (Minutes) | 5 | 10 | 15 | 20 | 30 | 45 | 60 | 80 | 100 | 120 | 150 | 180 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PRECIPITATION (Inches) | | | | | | | | | | | | |
| ENDED: DATE | | | | | | | | | | | | |
| TIME | | | | | | | | | | | | |

HIGHEST ~~SEA LEVEL~~ Stn 26.96 IN. ON 29
LOWEST ~~SEA LEVEL~~ 26.27 IN. ON 3

WS FORM F-6 SUPERSEDES WS FORM F-6 (9-74) WHICH SHOULD BE USED UNTIL EXISTING STOCK IS DEPLETED.

☆ U.S. G.P.O. 1978-765-092/1151 REG.#6

MF1-10B
(1-82)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK NEVADA

DATE: 1 DEC 1983

To convert LST to GMT ADD 8 hrs. SUBTRACT hrs.

| TIME (L.S.T.) 16 | STATION PRESSURE (Ins.) 17 | DRY BULB (°F) 18 | WET BULB (°F) 19 | REL. HUMIDITY (%) 20 | TOTAL SKY COVER 21 | CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT. 22 | LOWEST LAYER TYPE 23 | LOWEST LAYER HEIGHT 24 | SECOND LAYER AMT. 25 | SECOND LAYER TYPE 26 | SECOND LAYER HEIGHT 27 | SUMMATION TOTAL 28 | THIRD LAYER AMT. 29 | THIRD LAYER TYPE 30 | THIRD LAYER HEIGHT 31 | SUMMATION TOTAL 32 | FOURTH LAYER AMT. 33 | FOURTH LAYER TYPE 34 | FOURTH LAYER HEIGHT 35 | TOTAL OPAQUE SKY COVER 36 | PRESSURE TENDENCY 37 | NET 3-HR. CHANGE (Ins.) 38 | SUNSHINE (Min.) 39 | PRECIPITATION (Ins.) 40 | HR. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00 50 | 26.530 | 39.3 | 37.0 | 82 | 7 | 7 | Ci | E250 | | | | | | | | | | | | 7 | 8 | .020 | | | 00-01 |
| 01 49 | 26.530 | 38.1 | 35.3 | 77 | 9 | | | | | | | | | | | | | | | 8 | | | | | 01-02 |
| 02 50 | 26.530 | 37.8 | 35.1 | 78 | 9 | | | | | | | | | | | | | | | 9 | | | | | 02-03 |
| 03 50 | 26.520 | 41.6 | 38.0 | 73 | 8 | 8 | Ci | E250 | | | | | | | | | | | | 7 | 8 | .010 | | | 03-04 |
| 04 49 | 26.520 | 42.1 | 37.0 | 63 | 9 | | | | | | | | | | | | | | | 8 | | | | | 04-05 |
| 05 60 | 26.520 | 43.0 | 37.1 | 58 | 9 | | | | | | | | | | | | | | | 8 | | | | | 05-06 |
| 06 51 | 26.530 | 41.4 | 37.0 | 67 | 10 | 3 | Ac | 120 | 7 | CS | E250 | 10 | | | | | | | | 9 | 3 | 0.0 | | | 06-07 |
| 07 50 | 26.540 | 43.4 | 37.6 | 59 | 10 | | | | | | | | | | | | | | | 10 | | | | | 07-08 |
| 08 48 | 26.545 | 45.6 | 37.9 | 49 | 10 | | | | | | | | | | | | | | | 10 | | | | | 08-09 |
| 09 48 | 26.555 | 48.6 | 39.6 | 45 | 10 | 7 | Ac | E100 | 3 | CS | 200 | 10 | | | | | | | | 10 | 2 | .025 | | | 09-10 |
| 10 51 | 26.545 | 50.1 | 40.3 | 42 | 10 | | | | | | | | | | | | | | | 10 | | | | | 10-11 |
| 11 50 | 26.520 | 51.4 | 41.6 | 43 | 10 | | | | | | | | | | | | | | | 10 | | | | | 11-12 |
| 12 46 | 26.500 | 51.4 | 41.0 | 40 | 10 | 7 | Ac | E100 | 3 | CS | 200 | 10 | | | | | | | | 10 | 7 | .055 | | | 12-13 |
| 13 52 | 26.480 | 51.2 | 41.0 | 41 | 7 | | | | | | | | | | | | | | | 7 | | | | | 13-14 |
| 14 52 | 26.460 | 52.4 | 42.4 | 43 | 7 | | | | | | | | | | | | | | | 6 | | | | | 14-15 |
| 15 49 | 26.470 | 51.4 | 42.0 | 45 | 9 | 9 | Sc | E70 | | | | | | | | | | | | 9 | 5 | .030 | | | 15-16 |
| 16 50 | 26.480 | 50.0 | 41.6 | 49 | 9 | | | | | | | | | | | | | | | 9 | | | | | 16-17 |
| 17 49 | 26.500 | 49.4 | 41.0 | 49 | 10 | | | | | | | | | | | | | | | 10 | | | | | 17-18 |
| 18 50 | 26.495 | 48.0 | 41.9 | 61 | 7 | 7 | Sc | E70 | | | | | | | | | | | | 7 | 0 | .025 | | | 18-19 |
| 19 46 | 26.495 | 46.7 | 40.2 | 58 | 4 | | | | | | | | | | | | | | | 4 | | | | | 19-20 |
| 20 48 | 26.500 | 41.2 | 38.7 | 81 | 3 | | | | | | | | | | | | | | | 3 | | | | | 20-21 |
| 21 49 | 26.510 | 42.4 | 39.6 | 80 | 6 | 6 | Sc | E70 | | | | | | | | | | | | 6 | 3 | .015 | | | 21-22 |
| 22 48 | 26.520 | 45.1 | 40.7 | 69 | 4 | | | | | | | | | | | | | | | 4 | | | | | 22-23 |
| 23 49 | 26.500 | 46.6 | 37.6 | 77 | 3 | | | | | | | | | | | | | | | 3 | | | | | 23-24 |

## SYNOPTIC OBSERVATIONS

| TIME (G.M.T.) 41 | TIME (L.S.T.) 42 | NO. 43 | PRECIP. (Ins.) 44 | SNOW FALL (Ins.) 45 | SNOW DEPTH (Ins.) 46 | MAX. TEMP. (°F) 47 | MIN. TEMP. (°F) 48 | 49 | STATE OF GRND. 50 | 51 | 52 | 53 | 54 | 55 | SOIL TEMP. 56 | 57 | 58 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MID. TO 0341 | X | 0 | 0 | X | 49 | 36 | X | X | | | | | | X | | |
| | 0341 | 1 | 0 | 0 | 0 | 42 | 36 | | 0 | | | | | | | | |
| | 0943 | 2 | 0 | 0 | 0 | 49 | 39 | | 0 | | | | | | | | |
| | 1545 | 3 | 0 | 0 | 0 | 54 | 49 | | 0 | | | | | | | | |
| | 2145 | 4 | 0 | 0 | 0 | 52 | 40 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 46 | 40 | X | X | | | | | | X | | |

## STATION PRESSURE COMPUTATIONS

| TIME (L.S.T.) 59 | 0345 | 0947 | 1548 | 2148 |
|---|---|---|---|---|
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.520 | 26.555 | 26.470 | 26.510 |
| BAROGRAPH 64 | 26.530 | 26.555 | 26.490 | 26.510 |
| BAR. CORR. 65 | -.010 | ±0 | -.020 | ±0 |

## SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

| 24-HR. MAX. TEMP. (°F) 66 | 24-HR. MIN. TEMP. (°F) 67 | 24-HR. PRECIP. WATER EQUIV. (Ins.) 68 | 24-HR. SNOWFALL UNMLTD (Ins.) 69 | SNOW DEPTH (Ins.) 70 | PEAK WIND SPEED (Kts.) 71 | PEAK WIND DIRECTION 72 | PEAK WIND TIME (L.S.T.) 73 | THICKNESS OF ICE ON WATER (Ins.) 74 | FROZEN GROUND LAYER (Ins.) TOP 75 | FROZEN GROUND LAYER (Ins.) BASE 76 | RIVER GAGE 77 | SKY COVER SUNRISE TO SUNSET 78 | SKY COVER MIDNIGHT TO MIDNIGHT 79 | WATER EQUIV. (Ins.) 80 | 81 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 54 | 36 | 0 | 0 | 0 | 10 | E | 0527 | | | | | 9 | 8 | | |

## WEATHER & OBSTRUCTIONS TO VISION

| TYPE 82 | BEGAN 83 | ENDED 84 | TYPE 86 | BEGAN 87 | ENDED 88 |
|---|---|---|---|---|---|
| | | | | | |

## 90. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE SUNSET

| TOTAL SUNSHINE (MIN.) | PERCENT OF POSSIBLE SUNSHINE | CHARACTER OF SUNRISE | CHARACTER OF SUNSET |
|---|---|---|---|
| FASTEST OBSERVED 1-MINUTE WIND SPEED M.P.H. | OR FASTEST MILE M.P.H. | ASSOCIATED DIRECTION | TIME |

TIME CHECK - CLOCK AT: 1110P ±0Sec./ 1950P ±0Sec./ ± Sec.

1000P - CHANGED BARGRAM

5P=00
RS=00

MF1-10B (1-82) SUPERSEDES MF1-10B (2-79) WHICH MAY BE USED.

☆U.S. G.P.O. 1982-564-008/1034

MF1-10A
(1-82)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

STATION **WSMO, DESERT ROCK NEVADA**

DATE 1 DEC 1983

TO CONVERT LST TO GMT ADD 8 hrs. SUBTRACT ____ hrs.

## SURFACE WEATHER OBSERVATIONS

| TYPE (1) | TIME (LST) (2) | SKY AND CEILING (Hundreds of Feet) (3) | VISIBILITY (Miles) SURFACE (4) | VISIBILITY (Miles) TOWER (4a) | WEATHER AND OBSTRUCTIONS TO VISION (5) | SEA LEVEL PRESS. (Mbs.) (6) | TEMP (°F) (7) | DEW PT. (°F) (8) | WIND DIRECTION (100-36) (9) | WIND SPEED (Kts.) (10) | WIND CHARACTER (11) | ALTIMETER SETTING (Ins.) (12) | REMARKS AND SUPPLEMENTAL CODED DATA (13) | OBSERVERS INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0050 | E250 BKN | 20 | | | 131 | 39 | 34 | 29 | 04 | | 993 | 807 1002 | HS |
| SA | 0149 | E250 BKN | 20 | | | 131 | 38 | 32 | 01 | 05 | | 993 | | HS |
| SA | 0250 | E250 BKN | 20 | | | 131 | 38 | 32 | 07 | 05 | | 993 | | HS |
| SA | 0350 | E250 BKN | 20 | | | 126 | 42 | 34 | 06 | 08 | | 992 | 803 1002 36 RADAT 59074 | 008 |
| SA | 0449 | E250 BKN | 20 | | | 128 | 42 | 30 | 09 | 03 | | 992 | | 008 |
| SA | 0550 | E250 BKN | 20 | | | 128 | 43 | 29 | 08 | 04 | | 992 | | 008 |
| SA | 0651 | 120SCT E250 OVC | 20 | | | 135 | 41 | 31 | 26 | 04 | | 993 | 303 1037 | 008 |
| SA | 0750 | E100BKN 200 OVC | 20 | | | 137 | 43 | 30 | 05 | 05 | | 994 | | 008 |
| SA | 0848 | E100BKN 200 OVC | 20 | | | 139 | 46 | 28 | 12 | 04 | | 995 | | 008 |
| SA | 0948 | E100BKN 200 OVC | 20 | | | 142 | 49 | 28 | 30 | 02 | | 996 | 208 1037 36 | 008 |
| SA | 1051 | E100BKN 200 OVC | 20 | | | 136 | 50 | 28 | 03 | 03 | | 995 | | 008 |
| SA | 1150 | E100BKN 200 OVC | 20 | | | 126 | 51 | 30 | 15 | 03 | | 992 | | 008 |
| SA | 1246 | E100BKN 200 OVC | 20 | | | 120 | 51 | 28 | 22 | 02 | | 990 | 719 1037 | 008 |
| SA | 1352 | E100BKN 200BKN | 20 | | | 113 | 51 | 28 | 03 | 06 | | 987 | | 008 |
| SA | 1450 | E100BKN 200BKN | 20 | | | 105 | 52 | 31 | 02 | 06 | | 985 | | 008 |
| SA | 1549 | E70 BKN | 20 | | | 106 | 51 | 31 | 12 | 08 | | 987 | 510 1500 54 RADAT 98076 | HS |
| SA | 1650 | E70 BKN | 20 | | | 111 | 50 | 32 | 12 | 05 | | 988 | | HS |
| SA | 1749 | E70 OVC | 20 | | | 118 | 49 | 31 | 09 | 07 | | 990 | | HS |
| SA | 1850 | E70 BKN | 20 | | | 118 | 48 | 35 | 11 | 08 | | 989 | 008 1500 | HS |
| SA | 1946 | 70 SCT | 20 | | | 121 | 47 | 33 | 03 | 05 | | 989 | | HS |
| SA | 2048 | 70 SCT | 20 | | | 121 | 41 | 36 | 05 | 06 | | 990 | | HS |
| SA | 2149 | E70 BKN | 20 | | | 123 | 42 | 37 | 03 | 06 | | 991 | 305 1500 54 | HS |
| SA | 2248 | 60 SCT | 20 | | | 123 | 45 | 36 | 06 | 05 | | 992 | | HS |
| SA | 2349 | 60 SCT | 20 | | | 119 | 41 | 34 | 06 | 07 | | 990 | | HS |

A synoptic observation, in WMO code format FM12-VII, is entered on line following related aviation observation.

FM12-VII: Iliii $i_R i_x hVV$ Nddff $1s_n TTT$ $2s_n T_d T_d T_d$ $3P_o P_o P_o P_o$ 4PPPP 5appp $6RRRt_R$ $7wwW_1W_2$ $8N_h C_L C_M C_H$

SUPERSEDES MF1-10A (10-78) WHICH MAY BE USED.

☆ U.S. G.P.O. 1982-564-008/1123

MF1-10B (1-82)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK NEVADA

DATE: 2 DEC 1983

To convert LST to GMT ADD 8 hrs. SUBTRACT ____ hrs.

| TIME (L.S.T.) 16 | STATION PRESSURE (Ins.) 17 | DRY BULB (°F) 18 | WET BULB (°F) 19 | REL. HUMIDITY (%) 20 | TOTAL SKY COVER 21 | LOWEST LAYER AMT. 22 | LOWEST LAYER TYPE 23 | LOWEST LAYER HEIGHT 24 | SECOND LAYER AMT. 25 | SECOND LAYER TYPE 26 | SECOND LAYER HEIGHT 27 | SUMMATION TOTAL 28 | THIRD LAYER AMT. 29 | THIRD LAYER TYPE 30 | THIRD LAYER HEIGHT 31 | SUMMATION TOTAL 32 | FOURTH LAYER AMT. 33 | FOURTH LAYER TYPE 34 | FOURTH LAYER HEIGHT 35 | TOTAL OPAQUE SKY COVER 36 | PRESSURE TENDENCY 37 | NET 3-HR. CHANGE (Ins.) 38 | SUNSHINE (Min.) 39 | PRECIPITATION (Ins.) 40 | HR. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00 49 | 26.490 | 37.6 | 35.7 | 84 | 2 | 2 | SC | 60 | | | | | | | | | | | | 2 | 8 | .020 | | | 00-01 |
| 01 48 | 26.490 | 36.2 | 33.7 | 79 | 2 | | | | | | | | | | | | | | | 2 | | | | | 01-02 |
| 02 49 | 26.490 | 39.0 | 36.3 | 79 | 2 | | | | | | | | | | | | | | | 2 | | | | | 02-03 |
| 03 52 | 26.480 | 38.7 | 36.1 | 79 | 2 | 2 | SC | 60 | | | | | | | | | | | | 2 | 8 | .010 | | | 03-04 |
| 04 50 | 26.470 | 35.0 | 33.6 | 88 | 2 | | | | | | | | | | | | | | | 2 | | | | | 04-05 |
| 05 46 | 26.475 | 34.0 | 33.2 | 93 | 2 | | | | | | | | | | | | | | | 2 | | | | | 05-06 |
| 06 50 | 26.485 | 33.4 | 32.4 | 91 | 2 | 2 | SC | 80 | | | | | | | | | | | | 2 | 3 | .005 | | | 06-07 |
| 07 47 | 26.475 | 40.5 | 38.0 | 81 | 2 | | | | | | | | | | | | | | | 2 | | | | | 07-08 |
| 08 50 | 26.480 | 44.2 | 39.4 | 66 | 2 | | | | | | | | | | | | | | | 2 | | | | | 08-09 |
| 09 50 | 26.490 | 48.3 | 41.2 | 55 | 0 | 0 | CU | 80 | | | | | | | | | | | | 0 | 3 | .005 | | | 09-10 |
| 10 51 | 26.460 | 52.3 | 43.3 | 49 | 0 | | | | | | | | | | | | | | | 0 | | | | | 10-11 |
| 11 52 | 26.440 | 55.0 | 44.4 | 43 | 0 | | | | | | | | | | | | | | | 0 | | | | | 11-12 |
| 12 48 | 26.430 | 55.3 | 45.0 | 45 | 0 | 0 | CU | 80 | | | | | | | | | | | | 0 | 6 | .060 | | | 12-13 |
| 13 49 | 26.410 | 56.5 | 44.8 | 39 | 0 | | | | | | | | | | | | | | | 0 | | | | | 13-14 |
| 14 46 | 26.420 | 56.0 | 44.6 | 40 | 0 | | | | | | | | | | | | | | | 0 | | | | | 14-15 |
| 15 48 | 26.430 | 55.7 | 44.9 | 43 | 3 | 0 | CU | 80 | 3 | CI | 250 | 3 | | | | | | | | 0 | 5 | .005 | | | 15-16 |
| 16 48 | 26.450 | 49.6 | 42.4 | 56 | 2 | | | | | | | | | | | | | | | 0 | | | | | 16-17 |
| 17 49 | 26.460 | 44.9 | 40.4 | 69 | 0 | | | | | | | | | | | | | | | 0 | | | | | 17-18 |
| 18 50 | 26.470 | 43.1 | 40.0 | 77 | 0 | | | | | | | | | | | | | | | 0 | 2 | .040 | | | 18-19 |
| 19 47 | 26.490 | 40.6 | 38.0 | 80 | 0 | | | | | | | | | | | | | | | 0 | | | | | 19-20 |
| 20 47 | 26.490 | 42.0 | 38.7 | 76 | 0 | | | | | | | | | | | | | | | 0 | | | | | 20-21 |
| 21 48 | 26.510 | 41.0 | 38.6 | 82 | 0 | | | | | | | | | | | | | | | 0 | 2 | .040 | | | 21-22 |
| 22 47 | 26.520 | 38.5 | 36.7 | 86 | 0 | | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 23 48 | 26.500 | 38.6 | 36.6 | 84 | 0 | | | | | | | | | | | | | | | 0 | | | | | 23-24 |

## SYNOPTIC OBSERVATIONS

| TIME (G.M.T.) 41 | TIME (L.S.T.) 42 | NO. 43 | PRECIP. (Ins.) 44 | SNOW FALL (Ins.) 45 | SNOW DEPTH (Ins.) 46 | MAX. TEMP. (°F) 47 | MIN. TEMP. (°F) 48 | 49 | STATE OF GRND. 50 | 51 | 52 | 53 | 54 | 55 | SOIL TEMP. 56 | 57 | 58 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MID. TO 0345 | X | 0 | 0 | X | 41 | 36 | X | X | | | | | | X | | |
| | 0345 | 1 | 0 | 0 | 0 | 46 | 36 | | 0 | | | | | | | | |
| | 0941 | 2 | 0 | 0 | 0 | 51 | 31 | | 0 | | | | | | | | |
| | 1544 | 3 | 0 | 0 | 0 | 58 | 48 | | 0 | | | | | | | | |
| | 2144 | 4 | 0 | 0 | 0 | 56 | 39 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 42 | 37 | X | X | | | | | | X | | |

## STATION PRESSURE COMPUTATIONS

| TIME (L.S.T.) 59 | 0351 | 0949 | 1547 | 2147 |
|---|---|---|---|---|
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.480 | 26.490 | 26.430 | 26.510 |
| BAROGRAPH 64 | 26.480 | 26.500 | 26.460 | 26.515 |
| BAR. CORR. 65 | ±0 | -.010 | -.030 | -.005 |

## SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

| 24-HR. MAX. TEMP. (°F) 66 | 24-HR. MIN. TEMP. (°F) 67 | 24-HR. PRECIP. WATER EQUIV. (Ins.) 68 | 24-HR. SNOWFALL UNML'TD (Ins.) 69 | SNOW DEPTH (Ins.) 70 | PEAK WIND SPEED (Kts.) 71 | PEAK WIND DIRECTION 72 | PEAK WIND TIME (L.S.T.) 73 | THICKNESS OF ICE ON WATER (Ins.) 74 | FROZEN GROUND LAYER (Ins.) TOP 75 | FROZEN GROUND LAYER (Ins.) BASE 76 | RIVER GAGE 77 | SKY COVER SUNRISE TO SUNSET 78 | SKY COVER MIDNIGHT TO MIDNIGHT 79 | WATER EQUIV. (Ins.) 80 | 81 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 58 | 31 | 0 | 0 | 0 | 14 | SW | 1358 | | | | | 1 | 1 | | |

## WEATHER & OBSTRUCTIONS TO VISION

| TYPE 82 | BEGAN 83 | ENDED 84 | TYPE 86 | BEGAN 87 | ENDED 88 |
|---|---|---|---|---|---|
| | | | | | |

## 90. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE SUNSET

TOTAL SUNSHINE (MIN.) | PERCENT OF POSSIBLE SUNSHINE | CHARACTER OF SUNRISE | CHARACTER OF SUNSET

FASTEST OBSERVED 1-MINUTE WIND SPEED M.P.H. OR FASTEST MILE M.P.H. | ASSOCIATED DIRECTION | TIME

TIME CHECK - CLOCK AT: 0535P ✓ / Sec. / 1950P ✓ / Sec. / ± Sec.

0650P/1500/0650P 1648P/1648P

SP=00
RS=00

MF1-10B (1-82) SUPERSEDES MF1-10B (2-79) WHICH MAY BE USED. ★U.S. G.P.O. 1982-564-008/1034

MF1-10A (1-82)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: **WSMO, DESERT ROCK NEVADA**

DATE: 2 DEC 1983

TO CONVERT LST TO GMT: ADD 8 hrs. SUBTRACT ____ hrs.

| TYPE (1) | TIME (LST) (2) | SKY AND CEILING (Hundreds of Feet) (3) | VISIBILITY (Miles) SURFACE (4) | VISIBILITY (Miles) TOWER (4a) | WEATHER AND OBSTRUCTIONS TO VISION (5) | SEA LEVEL PRESS. (Mb.) (6) | TEMP (°F) (7) | DEW PT. (°F) (8) | WIND DIRECTION (100's of deg.) (9) | WIND SPEED (Knots) (10) | WIND CHARACTER (11) | ALTIMETER SETTING (In.) (12) | REMARKS AND SUPPLEMENTAL CODED DATA (13) | OB. SEQUENCE NUMBER (14) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0049 | 60 SCT | 20 | | | 115 | 38 | 33 | 21 | 03 | | 989 | 807 1500 | HS |
| SA | 0148 | 60 SCT | 20 | | | 116 | 36 | 30 | 03 | 05 | | 989 | | HS |
| SA | 0249 | 60 SCT | 20 | | | 115 | 39 | 33 | 05 | 06 | | 989 | | HS |
| SA | 0350 | 60 SCT | 20 | | | 113 | 39 | 33 | 08 | 02 | | 987 | 803 1500 36 RAAT 80015 | 008 |
| SA | 0450 | 60 SCT | 20 | | | 111 | 35 | 32 | 11 | 03 | | 986 | | 008 |
| SA | 0546 | 60 SCT | 20 | | | 114 | 34 | 32 | 13 | 02 | | 987 | | 008 |
| SA | 0650 | 80 SCT | 20 | | | 119 | 33 | 31 | 01 | 04 | | 988 | ~~1600~~ 302 1500 | 008 |
| SA | 0747 | 80 SCT 180 SCT | 20 | | | 115 | 41 | 35 | 25 | 03 | | 987 | | 008 |
| SA | 0850 | 180 SCT | 20 | | | 116 | 44 | 34 | 17 | 02 | | 987 | | 008 |
| SA | 0950 | CLR | 20 | | | 115 | 48 | 33 | 24 | 03 | | 988 | 302 1100 31 | 008 |
| SA | 1051 | CLR | 20 | | | 100 | 52 | 33 | 21 | 05 | | 985 | | 008 |
| SA | 1152 | CLR | 20 | | | 093 | 55 | 33 | 21 | 10 | | 983 | | 008 |
| SA | 1248 | CLR | 20 | | | 091 | 55 | 34 | 23 | 08 | | 982 | 620 1100 | 008 |
| SA | 1349 | CLR | 20 | | | 083 | 57 | 32 | 24 | 10 | | 980 | | 008 |
| SA | 1446 | CLR | 20 | | | 086 | 56 | 32 | 24 | 10 | | 981 | | 008 |
| SA | 1548 | 250 - SCT | 20 | | | 090 | 56 | 33 | 23 | 11 | | 982 | 500 1101 58 RADAT 43085 | HS |
| SA | 1648 | 250 - SCT | 20 | | | 104 | 50 | 35 | 28 | 05 | | 984 | | HS |
| SA | 1749 | CLR | 20 | | | 110 | 45 | 35 | 01 | 06 | | 986 | | HS |
| SA | 1850 | CLR | 20 | | | 115 | 43 | 37 | 08 | 02 | | 987 | 214 | HS |
| SA | 1947 | CLR | 20 | | | 120 | 41 | 35 | 02 | 08 | | 989 | | HS |
| SA | 2047 | CLR | 20 | | | 118 | 42 | 35 | 03 | 07 | | 989 | | HS |
| SA | 2148 | CLR | 20 | | | 123 | 41 | 36 | 03 | 04 | | 991 | 214 58 | HS |
| SA | 2247 | CLR | 20 | | | 127 | 39 | 35 | 06 | 04 | | 992 | | HS |
| SA | 2348 | CLR | 20 | | | 116 | 39 | 34 | 10 | 07 | | 990 | | HS |

A synoptic observation, in WMO code format FM12-VII, is entered on line following related aviation observation.

FM12-VII: Iliii $i_R i_x$hVV Nddff $1s_nTTT$ $2s_nT_dT_dT_d$ $3P_oP_oP_oP_o$ 4PPPP 5appp 6RRR$t_R$ $7wwW_1W_2$ $8N_hC_LC_MC_H$

SUPERSEDES MF1-10A (10-78) WHICH MAY BE USED.

☆ U.S. G.P.O. 1982-564-008/1123

MF1-10B (1-82)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK NEVADA

DATE: 1983 DEC 3

To convert LST to GMT ADD 8 hrs. SUBTRACT ____ hrs.

| TIME (L.S.T.) 16 | STATION PRESSURE (Ins.) 17 | DRY BULB (°F) 18 | WET BULB (°F) 19 | REL. HUMIDITY (%) 20 | TOTAL SKY COVER 21 | LOWEST LAYER AMT. 22 | LOWEST LAYER TYPE 23 | LOWEST LAYER HEIGHT 24 | SECOND LAYER AMT. 25 | SECOND LAYER TYPE 26 | SECOND LAYER HEIGHT 27 | SUMMATION TOTAL 28 | THIRD LAYER AMT. 29 | THIRD LAYER TYPE 30 | THIRD LAYER HEIGHT 31 | SUMMATION TOTAL 32 | FOURTH LAYER AMT. 33 | FOURTH LAYER TYPE 34 | FOURTH LAYER HEIGHT 35 | TOTAL OPAQUE SKY COVER 36 | PRESSURE TENDENCY 37 | NET 3-HR. CHANGE (Ins.) 38 | SUNSHINE (Min.) 39 | PRECIPITATION (Ins.) 40 | HR. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00 49 | 26.500 | 38.1 | 36.0 | 83 | 0 | | | | | | | | | | | | | | | 0 | 8 | .010 | | | 00-01 |
| 01 48 | 26.500 | 36.0 | 35.0 | 91 | 0 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 49 | 26.480 | 38.4 | 36.7 | 86 | 6 | | | | | | | | | | | | | | | 6 | | | | | 02-03 |
| 03 51 | 26.460 | 38.1 | 36.5 | 87 | 6 | 6 | ci | E250 | | | | | | | | | | | | 6 | 8 | .040 | | | 03-04 |
| 04 50 | 26.460 | 36.6 | 35.3 | 89 | 6 | | | | | | | | | | | | | | | 6 | | | | | 04-05 |
| 05 50 | 26.460 | 40.1 | 37.3 | 78 | 6 | | | | | | | | | | | | | | | 6 | | | | | 05-06 |
| 06 47 | 26.450 | 40.0 | 37.4 | 80 | 10 | 4 | AC | 150 | 6 | ci | E250 | 10 | | | | | | | | 10 | 8 | .010 | | | 06-07 |
| 07 46 | 26.440 | 44.8 | 40.0 | 67 | 10 | | | | | | | | | | | | | | | 10 | | | | | 07-08 |
| 08 49 | 26.410 | 45.9 | 39.2 | 56 | 9 | | | | | | | | | | | | | | | 9 | | | | | 08-09 |
| 09 50 | 26.390 | 51.4 | 42.8 | 50 | 5 | 2 | AC | 150 | 3 | ci | 250 | 5 | | | | | | | | 5 | 7 | .060 | | | 09-10 |
| 10 52 | 26.330 | 56.3 | 45.3 | 42 | 5 | | | | | | | | | | | | | | | 5 | | | | | 10-11 |
| 11 51 | 26.300 | 57.8 | 44.1 | 55 | 10 | | | | | | | | | | | | | | | 10 | | | | | 11-12 |
| 12 48 | 26.260 | 54.2 | 45.1 | 50 | 10 | 10 | CUFRA | E40 | | | | | | | | | | | | 10 | 7 | .130 | | | 12-13 |
| 13 50 | 26.270 | 50.4 | 45.2 | 68 | 10 | | | | | | | | | | | | | | | 10 | | | | | 13-14 |
| 14 46 | 26.270 | 48.3 | 44.5 | 76 | 10 | | | | | | | | | | | | | | | 10 | | | | | 14-15 |
| 15 48 | 26.270 | 49.3 | 43.0 | 61 | 7 | 7 | CUFRA | E15 | | | | | | | | | | | | 7 | 1 | .010 | | | 15-16 |
| 16 50 | 26.260 | 49.3 | 40.6 | 52 | 0 | | | | | | | | | | | | | | | 0 | | | | | 16-17 |
| 17 49 | 26.260 | 47.0 | 40.6 | 58 | 0 | | | | | | | | | | | | | | | 0 | | | | | 17-18 |
| 18 49 | 26.300 | 45.9 | 39.6 | 58 | 0 | | | | | | | | | | | | | | | 0 | 3 | .030 | | | 18-19 |
| 19 50 | 26.285 | 45.5 | 39.0 | 56 | 0 | | | | | | | | | | | | | | | 0 | | | | | 19-20 |
| 20 49 | 26.330 | 45.0 | 38.8 | 58 | 0 | | | | | | | | | | | | | | | 0 | | | | | 20-21 |
| 21 50 | 26.330 | 46.6 | 38.3 | 52 | 0 | | | | | | | | | | | | | | | 0 | 3 | .030 | | | 21-22 |
| 22 50 | 26.350 | 44.1 | 38.7 | 62 | 0 | | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 23 48 | 26.360 | 45.0 | 38.7 | 57 | 0 | | | | | | | | | | | | | | | 0 | | | | | 23-24 |

## SYNOPTIC OBSERVATIONS

| TIME (G.M.T.) 41 | TIME (L.S.T.) 42 | NO. 43 | PRECIP. (Ins.) 44 | SNOW FALL (Ins.) 45 | SNOW DEPTH (Ins.) 46 | MAX. TEMP. (°F) 47 | MIN. TEMP. (°F) 48 | 49 | STATE OF GRND. 50 | 51 | 52 | 53 | 54 | 55 | SOIL TEMP. 56 | 57 | 58 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MID. TO 0347 | X | 0 | 0 | X | 39 | 36 | X | X | | | | | | X | | |
| | 0347 | 1 | 0 | 0 | 0 | 42 | 36 | | 0 | | | | | | | | |
| | 0941 | 2 | 0 | 0 | 0 | 52 | 34 | | 0 | | | | | | | | |
| | 1542 | 3 | .02 | 0 | 0 | 56 | 47 | | 1 | | | | | | | | |
| | 2146 | 4 | 0 | 0 | 0 | 50 | 44 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 46 | 43 | X | X | | | | | | X | | |

## STATION PRESSURE COMPUTATIONS

| TIME (L.S.T.) 59 | 0350 | 0949 | 1547 | 2149 |
|---|---|---|---|---|
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.460 | 26.390 | 26.270 | 26.330 |
| BAROGRAPH 64 | 26.455 | 26.390 | 26.270 | 26.325 |
| BAR. CORR. 65 | +.005 | ±0 | ±0 | +.005 |

## SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

| 24-HR. MAX. TEMP. (°F) 66 | 24-HR. MIN. TEMP. (°F) 67 | 24-HR. PRECIP. WATER EQUIV. (Ins.) 68 | 24-HR. SNOWFALL UNML TO (Ins.) 69 | SNOW DEPTH (Ins.) 70 | PEAK WIND SPEED (Kts.) 71 | PEAK WIND DIRECTION 72 | PEAK WIND TIME (L.S.T.) 73 | THICKNESS OF ICE ON WATER (Ins.) 74 | FROZEN GROUND LAYER (Ins.) TOP 75 | FROZEN GROUND LAYER (Ins.) BASE 76 | RIVER GAGE 77 | SKY COVER SUNRISE TO SUNSET 78 | SKY COVER MIDNIGHT TO MIDNIGHT 79 | WATER EQUIV. (Ins.) 80 | 81 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 56 | 34 | .02 | 0 | 0 | 43 | SW | 1423 | | | | | 9 | 5 | | |

## WEATHER & OBSTRUCTIONS TO VISION

| TYPE 82 | BEGAN 83 | ENDED 84 | TYPE 86 | BEGAN 87 | ENDED 88 |
|---|---|---|---|---|---|
| RW- | 1345 | 1510 | | | |

## 90. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE SUNSET

TOTAL SUNSHINE (MIN.) | PERCENT OF POSSIBLE SUNSHINE | CHARACTER OF SUNRISE | CHARACTER OF SUNSET

FASTEST OBSERVED 1-MINUTE WIND SPEED M.P.H. OR FASTEST MILE M.P.H. | ASSOCIATED DIRECTION | TIME

TIME CHECK-CLOCK AT: 0930P ⊕0 Sec./ 1853P ⊕0 Sec./ ± Sec.

0746P 30/0746P 1052P 1505/1052P, 1548P 2150/1548P 2150P 29/2151P

1446P/RS/1548P 1350P/1350P

SP=01

RS=02

MF1-10B (1-82) SUPERSEDES MF1-10B (2-79) WHICH MAY BE USED. ☆U.S. G.P.O. 1982-564-008/1034

MF1-10A
(1-82)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK NEVADA

DATE: 1983 DEC 3

TO CONVERT LST TO GMT: ADD 8 hrs. SUBTRACT ____ hrs.

| TYPE (1) | TIME (LST) (2) | SKY AND CEILING (Hundreds of Feet) (3) | VISIBILITY (Miles) SURFACE (4) | VISIBILITY TOWER (4a) | WEATHER AND OBSTRUCTIONS TO VISION (5) | SEA LEVEL PRESS. (Mb.) (6) | TEMP (°F) (7) | DEW PT. (°F) (8) | WIND DIRECTION (00-36) (9) | WIND SPEED (Knots) (10) | WIND GUSTS (Knots) (11) | ALTIMETER SETTING (Inches) (12) | REMARKS AND SUPPLEMENTAL CODED DATA (13) | SEQ. OR SYMBOLS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0049 | CLR | 20 | | | 117 | 38 | 33 | 10 | 06 | | 990 | 803 | HS |
| SA | 0148 | CLR | 20 | | | 118 | 36 | 34 | 12 | 06 | | 990 | | HS |
| SA | 0249 | E250 BKN | 20 | | | 109 | 38 | 35 | 05 | 07 | | 988 | | HS |
| SA | 0351 | E250 BKN | 20 | | | 101 | 38 | 35 | 27 | 06 | | 985 | 814 1002 36 RAAAT 53109 | 008 |
| SA | 0450 | E250 BKN | 20 | | | 106 | 37 | 34 | 05 | 05 | | 985 | | 008 |
| SA | 0550 | E250 BKN | 20 | | | 108 | 40 | 34 | 35 | 04 | | 985 | | 008 |
| SA | 0647 | 150 SCT E250 OVC | 20 | | | 104 | 40 | 34 | 04 | 08 | | 984 | 805 1066 | 008 |
| SA | 0746 | 150 SCT E250 OVC | 20 | | | 100 | 45 | ~~32~~ 35 | 34 | 02 | | 983 | | 008 |
| SA | 0849 | 150 SCT E250 BKN | 20 | | | 087 | 46 | 31 | 10 | 10 | | 980 | | 008 |
| SA | 0950 | 150 SCT 250 SCT | 20 | | | 077 | 51 | 33 | 20 | 19 | G26 | 978 | 720 1046 34 | 008 |
| SA | 1050 | ~~150 SC~~ 60 SCT 150 SCT 250 SCT | 20 | | | 057 | 56 | 34 | 21 | 21 | G28 | 971 | PRESFR PK WND 1941/15 | 008 |
| SA | 1151 | E50 BKN 150 BKN 250 OVC | 20 | | | 044 | 52 | 36 | 19 | 22 | G37 | 968 | PK WND 2135/06 | 008 |
| SA | 1248 | E40 OVC | 20 | | | 027 | 54 | 36 | 21 | 21 | G30 | 963 | STG LOW LVL SHEAR/744 1711 | 008 |
| SP | 1320 | E25 OVC | 15 | | | | | | 21 | 26 | G39 | 963 | STG LOW LVL SHEAR | 008 |
| SA | 1350 | E15 OVC | 15 | | RW- | 033 | 50 | 40 | 22 | 22 | G33 | 964 | PK WND 1938/15 RB45 | 008 |
| SA | 1446 | 6 SCT E150VC | 15 | | RW- | 033 | 48 | 41 | 21 | 30 | G41 | 964 | PK WND 2142/27 | 008 |
| SA | 1548 | ~~E150 A~~ E15 BKN | 15 | | | 033 | 49 | 36 | 22 | 21 | G29 | 964 | RE10 PK WND 2237/24 | |
| | | | | | | | | | | | | | 10302 1700 56 RAAAT 98065 | 008 |
| RS | 1650 | CLR | 20 | | | 031 | 48 | 32 | 21 | 21 | G38 | 963 | CUFRA ALQDS | |
| | | | | | | | | | | | | | PKWND 2138/40 | HS |
| SA | 1749 | CLR | 20 | | | 029 | 47 | 33 | 21 | 24 | G35 | 963 | PK WND 2139/26 | HS |
| SA | 1849 | CLR | 20 | | | 045 | 46 | 32 | 22 | 19 | G32 | 968 | 310 | HS |
| SA | 1950 | CLR | 20 | | | 038 | 46 | 31 | 20 | 19 | G37 | 966 | PK WND 2037/47 | HS |
| SA | 2049 | CLR | 20 | | | 054 | 45 | 31 | 21 | 10 | G24 | 971 | | HS |
| SA | 2150 | CLR | 20 | | | 050 | 46 | ~~33~~ 39 | 20 | 13 | G28 | 971 | 310 56 | HS |
| SA | 2250 | CLR | 20 | | | 057 | 44 | 32 | 25 | 14 | | 973 | | HS |
| SA | 2348 | CLR | 20 | | | 062 | 45 | 31 | 18 | 12 | G24 | 974 | | HS |

A synoptic observation, in WMO code format FM12-VII, is entered on line following related aviation observation.

FM12-VII: Iiiii $i_R i_x$hVV Nddff $1s_nTTT$ $2s_nT_dT_dT_d$ $3P_oP_oP_oP_o$ 4PPPP 5appp $6RRRt_R$ $7wwW_1W_2$ $8N_hC_LC_MC_H$

SUPERSEDES MF1-10A (10-78) WHICH MAY BE USED.

☆ U.S. G.P.O. 1982-564-008/1123

MF1-10B (1-82)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK NEVADA

DATE: 1983 DEC 4

To convert LST to GMT ADD 8 hrs. SUBTRACT ___ hrs.

| TIME (L.S.T.) 16 | STATION PRESSURE (Ins.) 17 | DRY BULB (°F) 18 | WET BULB (°F) 19 | REL. HUMIDITY (%) 20 | TOTAL SKY COVER 21 | LOWEST LAYER AMT. 22 | LOWEST LAYER TYPE 23 | LOWEST LAYER HEIGHT 24 | SECOND LAYER AMT. 25 | SECOND LAYER TYPE 26 | SECOND LAYER HEIGHT 27 | SUMMATION TOTAL 28 | THIRD LAYER AMT. 29 | THIRD LAYER TYPE 30 | THIRD LAYER HEIGHT 31 | SUMMATION TOTAL 32 | FOURTH LAYER AMT. 33 | FOURTH LAYER TYPE 34 | FOURTH LAYER HEIGHT 35 | TOTAL OPAQUE SKY COVER 36 | PRESSURE TENDENCY 37 | NET 3-HR. CHANGE (Ins.) 38 | SUNSHINE (Min.) 39 | PRECIPITATION (Ins.) 40 | HR. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00 50 | 26.360 | 43.6 | 37.2 | 55 | 0 | 0 | Ac | 110 | | | | | | | | | | | | 0 | 1 | .030 | | | 00-01 |
| 01 48 | 26.385 | 42.1 | 36.7 | 61 | 0 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 48 | 26.420 | 40.4 | 36.0 | 67 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 49 | 26.455 | 39.2 | 35.0 | 68 | 0 | 0 | Ci | 250 | | | | | | | | | | | | 0 | 2 | .095 | | | 03-04 |
| 04 48 | 26.480 | 36.4 | 33.8 | 79 | 0 | | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 05 48 | 26.520 | 33.8 | 32.2 | 86 | 0 | | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 06 49 | 26.545 | 31.8 | 30.4 | 87 | 0 | 0 | Sc | 80 | | | | | | | | | | | | 0 | 2 | .090 | | | 06-07 |
| 07 50 | 26.560 | 35.7 | 34.0 | 86 | 0 | | | | | | | | | | | | | | | 0 | | | | | 07-08 |
| 08 49 | 26.590 | 42.7 | 36.3 | 55 | 0 | | | | | | | | | | | | | | | 0 | | | | | 08-09 |
| 09 49 | 26.600 | 46.7 | 37.0 | 39 | 1 | 1 | Sc | 80 | | | | | | | | | | | | 1 | 2 | .055 | | | 09-10 |
| 10 50 | 26.600 | 48.3 | 35.8 | 25 | 3 | | | | | | | | | | | | | | | 3 | | | | | 10-11 |
| 11 48 | 26.595 | 48.2 | 36.8 | 31 | 3 | | | | | | | | | | | | | | | 3 | | | | | 11-12 |
| 12 50 | 26.590 | 49.6 | 36.0 | 21 | 2 | 0 | Sc | 80 | 2 | Ci | 250 | 2 | | | | | | | | 2 | 8 | .010 | | | 12-13 |
| 13 49 | 26.590 | 48.8 | 35.8 | 23 | 0 | | | | | | | | | | | | | | | 0 | | | | | 13-14 |
| 14 52 | 26.620 | 48.0 | 35.0 | 22 | 0 | | | | | | | | | | | | | | | 0 | | | | | 14-15 |
| 15 48 | 26.620 | 45.0 | 33.5 | 25 | 0 | 0 | Sc | 80 | | | | | | | | | | | | 0 | 1 | .030 | | | 15-16 |
| 16 47 | 26.640 | 42.0 | 31.0 | 24 | 0 | | | | | | | | | | | | | | | 0 | | | | | 16-17 |
| 17 50 | 26.660 | 36.9 | 28.9 | 36 | 0 | | | | | | | | | | | | | | | 0 | | | | | 17-18 |
| 18 49 | 26.680 | 34.5 | 28.0 | 43 | 0 | | | | | | | | | | | | | | | 0 | 2 | .060 | | | 18-19 |
| 19 46 | 26.700 | 37.2 | 29.1 | 36 | 0 | | | | | | | | | | | | | | | 0 | | | | | 19-20 |
| 20 45 | 26.710 | 37.2 | 29.1 | 36 | 0 | | | | | | | | | | | | | | | 0 | | | | | 20-21 |
| 21 47 | 26.730 | 36.0 | 28.0 | 34 | 0 | | | | | | | | | | | | | | | 0 | 2 | .050 | | | 21-22 |
| 22 45 | 26.750 | 35.2 | 27.6 | 36 | 0 | | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 23 45 | 26.750 | 34.8 | 27.0 | 33 | 0 | | | | | | | | | | | | | | | 0 | | | | | 23-24 |

## SYNOPTIC OBSERVATIONS

| TIME (G.M.T.) 41 | TIME (L.S.T.) 42 | NO. 43 | PRECIP. (Ins.) 44 | SNOW FALL (Ins.) 45 | SNOW DEPTH (Ins.) 46 | MAX. TEMP. (°F) 47 | MIN. TEMP. (°F) 48 | 49 | STATE OF GRND. 50 | 51 | 52 | 53 | 54 | 55 | SOIL TEMP. 56 | 57 | 58 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MID. TO 0345 | X | 0 | 0 | X | 45 | 37 | X | X | | | | | | X | | |
| | 0345 | 1 | 0 | 0 | 0 | 46 | 37 | | 0 | | | | | | | | |
| | 0947 | 2 | 0 | 0 | 0 | 49 | 32 | | 0 | | | | | | | | |
| | 1545 | 3 | 0 | 0 | 0 | 50 | 45 | | 0 | | | | | | | | |
| | 2145 | 4 | 0 | 0 | 0 | 45 | 35 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 36 | 35 | X | X | | | | | | X | | |

## STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0348 | 0948 | 1546 | 2146 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.455 | 26.600 | 26.620 | 26.730 |
| BAROGRAPH 64 | 26.450 | 26.600 | 26.620 | 26.740 |
| BAR. CORR. 65 | +.005 | 0 | ±.0 | -.010 |

## SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

| 24-HR. MAX. TEMP. (°F) 66 | 24-HR. MIN. TEMP. (°F) 67 | 24-HR. PRECIP. WATER EQUIV. (Ins.) 68 | 24-HR. SNOWFALL UNML TO (Ins.) 69 | SNOW DEPTH (Ins.) 70 | PEAK WIND SPEED (Kts.) 71 | PEAK WIND DIRECTION 72 | PEAK WIND TIME (L.S.T.) 73 | THICKNESS OF ICE ON WATER (Ins.) 74 | FROZEN GROUND LAYER (Ins.) TOP 75 | FROZEN GROUND LAYER (Ins.) BASE 76 | RIVER GAGE 77 | SKY COVER SUNRISE TO SUNSET 78 | SKY COVER MIDNIGHT TO MIDNIGHT 79 | WATER EQUIV. (Ins.) 80 | 81 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 50 | 32 | 0 | 0 | 0 | 24 | N | 1532 | | | | | 1 | 0 | | |

## WEATHER & OBSTRUCTIONS TO VISION

| TYPE 82 | BEGAN 83 | ENDED 84 | TYPE 86 | BEGAN 87 | ENDED 88 |
|---|---|---|---|---|---|
| | | | | | |

## 90. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE SUNSET

TOTAL SUNSHINE (MIN.) | PERCENT OF POSSIBLE SUNSHINE | CHARACTER OF SUNRISE | CHARACTER OF SUNSET

FASTEST OBSERVED 1-MINUTE WIND SPEED M.P.H. OR FASTEST MILE M.P.H. | ASSOCIATED DIRECTION | TIME

TIME CHECK - CLOCK AT: 0901P (±) Sec. 1 1910P (±) Sec. 1 ± Sec.

1750P/193/1850P 1452P/167/1550P 0349P/104/0450P

SP=00
RS=00

MF1-10B (1-82) SUPERSEDES MF1-10B (2-79) WHICH MAY BE USED.

☆U.S. G.P.O. 1982-564-008/1034

MF1-10A (1-82)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: 4 DEC 1983

TO CONVERT LST TO GMT ADD 8 hrs. SUBTRACT ____ hrs.

| TYPE (1) | TIME (LST) (2) | SKY AND CEILING (Hundreds of Feet) (3) | VISIBILITY (Miles) SURFACE (4) | VISIBILITY (Miles) TOWER (4a) | WEATHER AND OBSTRUCTIONS TO VISION (5) | SEA LEVEL PRESS. (Mbs.) (6) | TEMP. (°F) (7) | DEW PT. (°F) (8) | WIND DIRECTION (100-36) (9) | WIND SPEED (Kts.) (10) | WIND CHARACTER (11) | ALTIMETER SETTING (Ins.) (12) | REMARKS AND SUPPLEMENTAL CODED DATA (13) | OBSERVER'S INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0050 | CLR | 20 | | | 061 | 44 | 29 | 23 | 10 | | 974 | 110 1030 | HS |
| SA | 0148 | CLR | 20 | | | 073 | 42 | 30 | 28 | 11 | | 977 | | HS |
| SA | 0248 | CLR | 20 | | | 089 | 40 | 30 | 29 | 10 | | 981 | | HS |
| SA | 0349 | CLR | 20 | | 104 | ~~112~~ | 39 | 29 | 30 | 09 | | 985 | 232 1001 37 20002 RADAT 57065 | CRD |
| SA | 0448 | CLR | 20 | | | 116 | 36 | 30 | 34 | 09 | | 987 | Ci SE | CRD |
| SA | 0548 | CLR | 20 | | | 130 | 34 | 30 | 02 | 02 | | 992 | Sc Ci SE | CRD |
| SA | 0649 | CLR | 20 | | | 145 | 32 | 28 | 07 | 04 | | 995 | 230 1500 | CRD |
| SA | 0750 | CLR | 20 | | | 148 | 36 | 32 | 25 | 09 | | 996 | | CRD |
| SA | 0849 | CLR | 20 | | | 155 | 43 | 28 | 23 | 03 | | 999 | Sc SW | CRD |
| SA | 0949 | 80 SCT | 20 | | | 158 | 47 | 23 | 29 | 03 | | 001 | 219 1500 32 | CRD |
| SA | 1050 | 80 SCT | 20 | | | 158 | 48 | 14 | 33 | 16 | | 001 | | CRD |
| SA | 1148 | 80SCT 250SCT | 20 | | | 155 | 48 | 19 | 34 | 15 | | 001 | | CRD |
| SA | 1250 | 250SCT | 20 | | | 151 | 50 | 11 | 35 | 16 | | 999 | 803 1501 | CRD |
| SA | 1349 | CLR | 20 | | | 155 | 49 | 13 | 33 | 17 | | 999 | Few Sc Ci | CRD |
| SA | 1452 | CLR | 20 | | | 162 | 48 | 11 | 31 | 14 | | 003 | Few Sc | CRD |
| SA | 1548 | CLR | 20 | | | 169 | 45 | 12 | 35 | 12 | | 003 | 110 1500 50 RADAT 28060 | JK |
| SA | 1647 | CLR | 20 | | | 181 | 42 | 8 | 02 | 08 | | 005 | | JK |
| SA | 1750 | CLR | 20 | | 193 | ~~188~~ | 37 | 12 | 31 | 07 | | 007 | | JK |
| SA | 1849 | CLR | 20 | | | 205 | 35 | 15 | 04 | 06 | | 010 | 220 | JK |
| SA | 1946 | CLR | 20 | | | 207 | 37 | 12 | 03 | 08 | | 012 | | JK |
| SA | 2045 | CLR | 20 | | | 207 | 37 | 12 | 01 | 07 | | 013 | | JK |
| SA | 2147 | CLR | 20 | | | 212 | 36 | 10 | 03 | 08 | | 015 | 217 50 | JK |
| SA | 2245 | CLR | 20 | | | 219 | 35 | 11 | 09 | 07 | | 017 | | JK |
| SA | 2345 | CLR | 20 | | | 220 | 35 | 9 | 05 | 07 | | 017 | | JK |

A synoptic observation, in WMO code format FM12-VII, is entered on line following related aviation observation.

FM12-VII: IIiii $i_R i_x h$VV Nddff $1s_n$TTT $2s_n T_d T_d T_d$ $3P_o P_o P_o P_o$ 4PPPP 5appp 6RRR$t_R$ 7ww$W_1 W_2$ $8N_h C_L C_M C_H$

SUPERSEDES MF1-10A (10-78) WHICH MAY BE USED.

☆ U.S. G.P.O. 1982-564-008/1123

MF1-10B (1-82)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: 1983 DEC 5

To convert LST to GMT ADD 8 hrs. SUBTRACT ____ hrs.

| TIME (L.S.T.) 16 | STATION PRESSURE (Ins.) 17 | DRY BULB (°F) 18 | WET BULB (°F) 19 | REL. HUMIDITY (%) 20 | TOTAL SKY COVER 21 | CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT. 22 | LOWEST LAYER TYPE 23 | LOWEST LAYER HEIGHT 24 | SECOND LAYER AMT. 25 | SECOND LAYER TYPE 26 | SECOND LAYER HEIGHT 27 | SUMMATION TOTAL 28 | THIRD LAYER AMT. 29 | THIRD LAYER TYPE 30 | THIRD LAYER HEIGHT 31 | SUMMATION TOTAL 32 | FOURTH LAYER AMT. 33 | FOURTH LAYER TYPE 34 | FOURTH LAYER HEIGHT 35 | TOTAL OPAQUE SKY COVER 36 | PRESSURE TENDENCY 37 | NET 3-HR. CHANGE (Ins.) 38 | SUNSHINE (Min.) 39 | PRECIPITATION (Ins.) 40 | HR. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00 48 | 26.750 | 31.5 | 25.2 | 40 | 0 | | | | | | | | | | | | | | | 0 | 1 | .020 | | | 00-01 |
| 01 50 | 26.760 | 28.4 | 23.3 | 45 | 0 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 45 | 26.770 | 25.7 | 23.2 | 68 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 49 | 26.770 | 32.0 | 26.2 | 46 | 0 | | | | | | | | | | | | | | | 0 | 1 | .020 | | | 03-04 |
| 04 48 | 26.790 | 29.7 | 25.5 | 57 | 0 | | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 05 46 | 26.810 | 29.1 | 24.4 | 50 | 0 | | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 06 48 | 26.820 | 29.3 | 25.2 | 57 | 3 | 3 | CL | 300 | | | | | | | | | | | | 1 | 2 | .050 | | | 06-07 |
| 07 48 | 26.830 | 32.6 | 27.0 | 48 | 0 | | | | | | | | | | | | | | | 0 | | | | | 07-08 |
| 08 49 | 26.840 | 35.2 | 28.4 | 43 | 1 | | | | | | | | | | | | | | | 0 | | | | | 08-09 |
| 09 50 | 26.850 | 37.8 | 30.5 | 43 | 3 | 3 | CL | 300 | | | | | | | | | | | | 1 | 2 | .030 | | | 09-10 |
| 10 49 | 26.830 | 41.0 | 31.4 | 31 | 3 | | | | | | | | | | | | | | | 1 | | | | | 10-11 |
| 11 47 | 26.805 | 42.2 | 32.2 | 30 | 5 | | | | | | | | | | | | | | | 1 | | | | | 11-12 |
| 12 45 | 26.800 | 44.8 | 33.0 | 23 | 5 | 5 | CS | 300 | | | | | | | | | | | | 1 | 7 | .050 | | | 12-13 |
| 13 49 | 26.790 | 44.8 | 32.3 | 19 | 8 | | | | | | | | | | | | | | | 1 | | | | | 13-14 |
| 14 50 | 26.790 | 46.1 | 32.1 | 13 | 4 | | | | | | | | | | | | | | | 1 | | | | | 14-15 |
| 15 48 | 26.790 | 44.0 | 31.4 | 18 | 6 | 6 | CS | 300 | | | | | | | | | | | | 1 | 6 | .010 | | | 15-16 |
| 16 47 | 26.800 | 38.2 | 29.8 | 35 | 6 | | | | | | | | | | | | | | | 1 | | | | | 16-17 |
| 17 49 | 26.820 | 35.3 | 27.8 | 37 | 3 | | | | | | | | | | | | | | | 0 | | | | | 17-18 |
| 18 50 | 26.830 | 31.0 | 25.7 | 48 | 0 | 0 | CS | 300 | | | | | | | | | | | | 0 | 3 | .040 | | | 18-19 |
| 19 46 | 26.830 | 29.3 | 25.0 | 55 | 0 | | | | | | | | | | | | | | | 0 | | | | | 19-20 |
| 20 50 | 26.840 | 30.4 | 25.6 | 52 | 0 | | | | | | | | | | | | | | | 0 | | | | | 20-21 |
| 21 50 | 26.830 | 28.1 | 24.5 | 60 | 0 | | | | | | | | | | | | | | | 0 | 0 | .000 | | | 21-22 |
| 22 45 | 26.840 | 26.5 | 23.2 | 61 | 0 | | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 23 45 | 26.840 | 26.0 | 23.0 | 63 | 0 | | | | | | | | | | | | | | | 0 | | | | | 23-24 |

## SYNOPTIC OBSERVATIONS

| TIME (G.M.T.) 41 | TIME (L.S.T.) 42 | NO. 43 | PRECIP. (Ins.) 44 | SNOW FALL (Ins.) 45 | SNOW DEPTH (Ins.) 46 | MAX. TEMP. (°F) 47 | MIN. TEMP. (°F) 48 | 49 | STATE OF GRND. 50 | 51 | 52 | 53 | 54 | 55 | SOIL TEMP. 56 | 57 | 58 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MID. 79 0346 | X | 0 | 0 | X | 35 | 25 | X | X | | | | | | X | | |
| | 0346 | 1 | 0 | 0 | 0 | 36 | 25 | | 0 | | | | | | | | |
| | 0945 | 2 | 0 | 0 | 0 | 38 | 27 | | 0 | | | | | | | | |
| | 1544 | 3 | 0 | 0 | 0 | 46 | 38 | | 0 | | | | | | | | |
| | 2146 | 4 | 0 | 0 | 0 | 44 | 28 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 28 | 26 | X | X | | | | | | X | | |

## STATION PRESSURE COMPUTATIONS

| TIME (L.S.T.) 59 | 0348 | 0948 | 1545 | 2147 |
|---|---|---|---|---|
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.770 | 26.850 | 26.790 | 26.830 |
| BAROGRAPH 64 | 26.780 | 26.850 | 26.790 | 26.820 |
| BAR. CORR. 65 | -.010 | 0* | ±.0 | +.010 |

## SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

| 24-HR. MAX. TEMP. (°F) 66 | 24-HR. MIN. TEMP. (°F) 67 | 24-HR. PRECIP. WATER EQUIV. (Ins.) 68 | 24-HR. SNOWFALL UNMLTD (Ins.) 69 | SNOW DEPTH (Ins.) 70 | PEAK WIND: SPEED (Kts.) 71 | PEAK WIND: DIRECTION 72 | PEAK WIND: TIME (L.S.T.) 73 | THICKNESS OF ICE ON WATER (Ins.) 74 | FROZEN GROUND LAYER (Ins.): TOP 75 | FROZEN GROUND LAYER (Ins.): BASE 76 | RIVER GAGE 77 | SKY COVER: SUNRISE TO SUNSET 78 | SKY COVER: MIDNIGHT TO MIDNIGHT 79 | WATER EQUIV. (Ins.) 80 | 81 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 46 | 25 | 0 | 0 | 0 | 17 | NE | 0350 | | | | | 4 | 2 | | |

## WEATHER & OBSTRUCTIONS TO VISION

| TYPE 82 | BEGAN 83 | ENDED 84 | TYPE 86 | BEGAN 87 | ENDED 88 |
|---|---|---|---|---|---|
| | | | | | |

## 90. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE SUNSET

TOTAL SUNSHINE (MIN.) | PERCENT OF POSSIBLE SUNSHINE | CHARACTER OF SUNRISE | CHARACTER OF SUNSET

FASTEST OBSERVED 1-MINUTE WIND SPEED M.P.H. OR FASTEST MILE M.P.H. | ASSOCIATED DIRECTION | TIME

TIME CHECK-CLOCK AT: 0600P ± 0 Sec./ 1815P ± 0 Sec./ ± Sec.

0648P/0648P

* BAROGRAPH CHART CHANGED

5P=00

RS=00

MF1-10B (1-82) SUPERSEDES MF1-10B (2-79) WHICH MAY BE USED.

☆U.S. G.P.O. 1982-564-008/1034

MF1-10A
(1-82)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: 1983 DEC 5

TO CONVERT LST TO GMT: ADD 8 hrs. SUBTRACT ____ hrs.

| TYPE (1) | TIME (LST) (2) | SKY AND CEILING (Hundreds of Feet) (3) | VISIBILITY (Miles) SURFACE (4) | VISIBILITY (Miles) TOWER (4a) | WEATHER AND OBSTRUCTIONS TO VISION (5) | SEA LEVEL PRESS. (Mbs.) (6) | TEMP (°F) (7) | DEW PT. (°F) (8) | WIND DIRECTION (100-36) (9) | WIND SPEED (Kts.) (10) | WIND CHARACTER (11) | ALTIMETER SETTING (Ins.) (12) | REMARKS AND SUPPLEMENTAL CODED DATA (13) | OBS. INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0048 | CLR | 20 | | | 221 | 32 | 10 | 06 | 03 | | 017 | 107 | JK |
| SA | 0150 | CLR | 20 | | | 227 | 28 | 10 | 03 | 06 | | 018 | | JK |
| SA | 0245 | CLR | 20 | | | 234 | 26 | 17 | 07 | 07 | | 020 | | JK |
| SA | 0349 | CLR | 20 | | | 232 | 32 | 13 | 04 | 12 | | 019 | 107 25 RADAT 41040 | CRD |
| SA | 0448 | CLR | 20 | | | 241 | 30 | 16 | 05 | 07 | | 022 | | CRD |
| SA | 0546 | CLR | 20 | | | 255 | 29 | 13 | 04 | 14 | | 024 | | CRD |
| SA | 0648 | ~~CLR~~ 300- SCT | 20 | | | 260 | 29 | 16 | 02 | 06 | | 025 | 217 1001 | CRD |
| SA | 0748 | CLR | 20 | | | 258 | 33 | 15 | 36 | 10 | | 026 | CL SW | CRD |
| SA | 0849 | 300 - SCT | 20 | | | 260 | 35 | 15 | 02 | 12 | | 027 | | CRD |
| SA | 0950 | 300 - SCT | 20 | | | 264 | 38 | 17 | 02 | 10 | | 028 | 210 1001 25 | CRD |
| SA | 1049 | 300 - SCT | 20 | | | 255 | 41 | 13 | 13 | 16 | | 026 | | CRD |
| SA | 1149 | 300 - SCT | 20 | | | 244 | 42 | 13 | 12 | 10 | | 024 | | CRD |
| SA | 1245 | 300 - SCT | 20 | | | 243 | 45 | 10 | 17 | 03 | | 023 | 717 1008 | CRD |
| SA | 1349 | 300 - BKN | 20 | | | 240 | 45 | 5 | 12 | 03 | | 022 | | CRD |
| SA | 1450 | 300 - SCT | 20 | | | 240 | 46 | -2 | 06 | 04 | | 022 | | CRD |
| SA | 1548 | 300 - BKN | 20 | | | 239 | 44 | 3 | 16 | 05 | | 022 | 603 1006 46 RADAT 30054 | JK |
| SA | 1647 | 300 - BKN | 20 | | | 249 | 38 | 13 | 20 | 05 | | 023 | | JK |
| SA | 1749 | 300 - SCT | 20 | | | 258 | 35 | 11 | 13 | 03 | | 025 | | JK |
| SA | 1850 | CLR | 20 | | | 267 | 31 | 14 | 09 | 04 | | 026 | 314 1008 | JK |
| SA | 1946 | CLR | 20 | | | 263 | 29 | 15 | 05 | 05 | | 026 | | JK |
| SA | 2050 | CLR | 20 | | | 266 | 30 | 15 | 07 | 03 | | 027 | | JK |
| SA | 2150 | CLR | 20 | | | 262 | 28 | 16 | 36 | 03 | | 026 | 000 46 | JK |
| SA | 2245 | CLR | 20 | | | 264 | 27 | 15 | 07 | 04 | | 027 | | JK |
| SA | 2345 | CLR | 20 | | | 264 | 26 | 15 | 36 | 02 | | 027 | | JK |

A synoptic observation, in WMO code format FM12-VII, is entered on line following related aviation observation.

FM12-VII: Iliii $i_R i_x$hVV Nddff $1s_nTTT$ $2s_nT_dT_dT_d$ $3P_oP_oP_oP_o$ 4PPPP 5appp $6RRRt_R$ $7wwW_1W_2$ $8N_hC_LC_MC_H$

SUPERSEDES MF1-10A (10-78) WHICH MAY BE USED.

☆ U.S. G.P.O. 1962-564-008/1123

MF1-10B (1-82)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: 1983 DEC 6

To convert LST to GMT ADD 7 hrs. SUBTRACT ____ hrs.

| TIME (L.S.T.) 16 | STATION PRESSURE (Ins.) 17 | DRY BULB (°F) 18 | WET BULB (°F) 19 | REL. HUMIDITY (%) 20 | TOTAL SKY COVER 21 | LOWEST LAYER AMT. 22 | LOWEST LAYER TYPE 23 | LOWEST LAYER HEIGHT 24 | SECOND LAYER AMT. 25 | SECOND LAYER TYPE 26 | SECOND LAYER HEIGHT 27 | SUMMATION TOTAL 28 | THIRD LAYER AMT. 29 | THIRD LAYER TYPE 30 | THIRD LAYER HEIGHT 31 | SUMMATION TOTAL 32 | FOURTH LAYER AMT. 33 | FOURTH LAYER TYPE 34 | FOURTH LAYER HEIGHT 35 | TOTAL OPAQUE SKY COVER 36 | PRESSURE TENDENCY 37 | NET 3-HR. CHANGE (Ins.) 38 | SUNSHINE (Min.) 39 | PRECIPITATION (Ins.) 40 | HR. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00 45 | 26.820 | 26.2 | 23.2 | 64 | 0 | | | | | | | | | | | | | | | 0 | 8 | .010 | | | 00-01 |
| 01 45 | 26.830 | 25.0 | 22.5 | 68 | 0 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 50 | 26.830 | 25.8 | 22.7 | 62 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 48 | 26.820 | 24.5 | 22.2 | 69 | 0 | | | | | | | | | | | | | | | 0 | 0 | .000 | | | 03-04 |
| 04 48 | 26.825 | 25.1 | 22.0 | 61 | 2 | 2 | CS | 300 | | | | | | | | | | | | 0 | | | | | 04-05 |
| 05 47 | 26.830 | 23.9 | 22.1 | 74 | 3 | | | | | | | | | | | | | | | 1 | | | | | 05-06 |
| 06 48 | 26.830 | 26.5 | 23.3 | 63 | 8 | 1 | AC | 180 | 7 | CS | 300 | 8 | | | | | | | | 3 | 1 | .010 | | | 06-07 |
| 07 46 | 26.835 | 28.3 | 25.8 | 72 | 10 | | | | | | | | | | | | | | | 4 | | | | | 07-08 |
| 08 47 | 26.845 | 33.8 | 28.6 | 54 | 10 | | | | | | | | | | | | | | | 4 | | | | | 08-09 |
| 09 50 | 26.840 | 39.0 | 30.4 | 35 | 10 | 10 | CS | 300 | | | | | | | | | | | | 3 | 0 | .010 | | | 09-10 |
| 10 52 | 26.830 | 43.2 | 32.0 | 24 | 7 | | | | | | | | | | | | | | | 2 | | | | | 10-11 |
| 11 46 | 26.815 | 45.3 | 34.2 | 28 | 10 | | | | | | | | | | | | | | | 2 | | | | | 11-12 |
| 12 45 | 26.810 | 46.7 | 33.8 | 20 | 10 | 10 | CS | 300 | | | | | | | | | | | | 3 | 7 | .030 | | | 12-13 |
| 13 50 | 26.790 | 46.0 | 33.5 | 21 | 10 | | | | | | | | | | | | | | | 6 | | | | | 13-14 |
| 14 50 | 26.780 | 47.8 | 34.8 | 21 | 10 | | | | | | | | | | | | | | | 7 | | | | | 14-15 |
| 15 48 | 26.780 | 48.2 | 34.8 | 20 | 10 | 10 | CS | E250 | | | | | | | | | | | | 7 | 6 | .030 | | | 15-16 |
| 16 47 | 26.790 | 43.0 | 32.2 | 27 | 10 | | | | | | | | | | | | | | | 7 | | | | | 16-17 |
| 17 45 | 26.790 | 39.1 | 30.1 | 33 | 6 | | | | | | | | | | | | | | | 2 | | | | | 17-18 |
| 18 46 | 26.790 | 39.0 | 30.0 | 32 | 10 | 10 | CS | E250 | | | | | | | | | | | | 7 | 1 | .010 | | | 18-19 |
| 19 47 | 26.790 | 39.2 | 30.2 | 33 | 10 | | | | | | | | | | | | | | | 8 | | | | | 19-20 |
| 20 45 | 26.800 | 35.8 | 29.9 | 50 | 7 | | | | | | | | | | | | | | | 4 | | | | | 20-21 |
| 21 48 | 26.800 | 32.0 | 27.0 | 52 | 2 | 2 | CS | 250 | | | | | | | | | | | | 2 | 1 | .010 | | | 21-22 |
| 22 45 | 26.810 | 31.8 | 27.0 | 54 | 1 | | | | | | | | | | | | | | | 1 | | | | | 22-23 |
| 23 48 | 26.810 | 31.3 | 26.6 | 54 | 1 | | | | | | | | | | | | | | | 1 | | | | | 23-24 |

## SYNOPTIC OBSERVATIONS

| TIME (G.M.T.) 41 | TIME (L.S.T.) 42 | NO. 43 | PRECIP. (Ins.) 44 | SNOW FALL (Ins.) 45 | SNOW DEPTH (Ins.) 46 | MAX. TEMP. (°F) 47 | MIN. TEMP. (°F) 48 | 49 | STATE OF GRND. 50 | 51 | 52 | 53 | 54 | 55 | SOIL TEMP. 56 | 57 | 58 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MID. TO 0345 | X | 0 | 0 | X | 26 | 24 | X | X | | | | | | X | | |
| | 0345 | 1 | 0 | 0 | 0 | 28 | 24 | | 0 | | | | | | | | |
| | 0947 | 2 | 0 | 0 | 0 | 40 | 23 | | 0 | | | | | | | | |
| | 1545 | 3 | 0 | 0 | 0 | 48 | 39 | | 0 | | | | | | | | |
| | 2145 | 4 | 0 | 0 | 0 | 48 | 32 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 32 | 31 | X | X | | | | | | X | | |

## STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0347 | 0948 | 1546 | 2146 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.820 | 26.840 | 26.780 | 26.800 |
| BAROGRAPH 64 | 26.815 | 26.830 | 26.770 | 26.780 |
| BAR. CORR. 65 | +.005 | +.010 | +.010 | +.020 |

## SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

| 24-HR. MAX. TEMP. (°F) 66 | 24-HR. MIN. TEMP. (°F) 67 | 24-HR. PRECIP. WATER EQUIV. (Ins.) 68 | 24-HR. SNOWFALL UNML TD (Ins.) 69 | SNOW DEPTH (Ins.) 70 | PEAK WIND SPEED (Kts.) 71 | PEAK WIND DIRECTION 72 | PEAK WIND TIME (L.S.T.) 73 | THICKNESS OF ICE ON WATER (Ins.) 74 | FROZEN GROUND LAYER (Ins.) TOP 75 | FROZEN GROUND LAYER (Ins.) BASE 76 | RIVER GAGE 77 | SKY COVER SUNRISE TO SUNSET 78 | SKY COVER MIDNIGHT TO MIDNIGHT 79 | WATER EQUIV. (Ins.) 80 | 81 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 48 | 23 | 0 | 0 | 0 | 12 | SE | 1335 | | | | | 10 | 6 | | |

## WEATHER & OBSTRUCTIONS TO VISION

| TYPE 82 | BEGAN 83 | ENDED 84 | TYPE 86 | BEGAN 87 | ENDED 88 |
|---|---|---|---|---|---|
| | | | | | |

## 90. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE SUNSET

TOTAL SUNSHINE (MIN.) PERCENT OF POSSIBLE SUNSHINE CHARACTER OF SUNRISE CHARACTER OF SUNSET

FASTEST OBSERVED 1-MINUTE WIND SPEED M.P.H. OR FASTEST MILE M.P.H. ASSOCIATED DIRECTION TIME

TIME CHECK - CLOCK AT: 0700P (±) 0 Sec./ 1910P (±) 0 Sec./ ± Sec.

0448P/0448P 0746P/0746P

SP=00
RS=00

MF1-10B (1-82) SUPERSEDES MF1-10B (2-79) WHICH MAY BE USED. ☆U.S. G.P.O. 1982-564-008/1034

MF1-10A
(1-82)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: 1983 DEC 6

TO CONVERT LST TO GMT ADD 8 hrs. SUBTRACT ____ hrs.

| TYPE (1) | TIME (LST) (2) | SKY AND CEILING (Hundreds of Feet) (3) | VISIBILITY (Miles) SURFACE (4) | VISIBILITY (Miles) TOWER (4a) | WEATHER AND OBSTRUCTIONS TO VISION (5) | SEA LEVEL PRESS. (Mbs.) (6) | TEMP. (°F) (7) | DEW PT. (°F) (8) | WIND DIRECTION (100-36) (9) | WIND SPEED (Kts.) (10) | WIND CHARACTER (11) | ALTIMETER SETTING (Ins.) (12) | REMARKS AND SUPPLEMENTAL CODED DATA (13) | OBSERVERS INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0045 | CLR | 20 | | | 254 | 26 | 16 | 01 | 02 | | 025 | 803 | JK |
| SA | 0145 | CLR | 20 | | | 257 | 25 | 16 | 17 | 03 | | 026 | | JK |
| SA | 0250 | CLR | 20 | | | 257 | 26 | 15 | 04 | 06 | | 026 | | JK |
| SA | 0346 | CLR | 20 | | | 255 | 25 | 16 | 15 | 02 | | 025 | 000 24 RADAT 46L036047067/2 | CRD |
| SA | 0448 | 300-SCT | 20 | | | 262 | 25 | 14 | 11 | 06 | | 026 | | CRD |
| SA | 0547 | 300-SCT | 20 | | | 266 | 24 | 17 | 14 | 03 | | 026 | FEW AC | CRD |
| SA | 0648 | 180 SCT 300-BKN | 20 | | | 267 | 27 | 15 | 02 | 07 | | 026 | 103 1078 | CRD |
| SA | 0746 | 180 SCT 300-~~BK~~OVC | 20 | | | 269 | 28 | 20 | 25 | 04 | | 027 | | CRD |
| SA | 0847 | 300-OVC | 20 | | | 270 | 34 | 19 | 34 | 03 | | 028 | | CRD |
| SA | 0950 | 300-OVC | 20 | | | 264 | 39 | 14 | 02 | 03 | | 027 | 003 1007 23 | CRD |
| SA | 1052 | 300-BKN | 20 | | | 259 | 43 | 9 | 04 | 03 | | 026 | | CRD |
| SA | 1146 | 300-OVC | 20 | | | 252 | 45 | 14 | 13 | 08 | | 025 | | CRD |
| SA | 1245 | 300-OVC | 20 | | | 250 | 47 | 8 | 15 | 09 | | 024 | 710 1007 | CRD |
| SA | 1350 | E300 OVC | 20 | | | 242 | 46 | 8 | 11 | 10 | | 022 | | CRD |
| SA | 1450 | 200 SCT E300 OVC | 20 | | | 238 | 48 | 10 | 14 | 07 | | 021 | | CRD |
| SA | 1548 | E250 OVC | 20 | | | 238 | 48 | 9 | 18 | 05 | | 021 | 610 1007 48 RADAT 30L062100 | JK |
| SA | 1647 | E250 OVC | 20 | | | 246 | 43 | 11 | 18 | 03 | | 022 | | JK |
| SA | 1745 | 250-BKN | 20 | | | 248 | 39 | 12 | 10 | 06 | | 022 | | JK |
| SA | 1846 | E250 OVC | 20 | | | 248 | 39 | 12 | 12 | 08 | | 022 | 103 1007 | JK |
| SA | 1947 | E250 OVC | 20 | | | 245 | 39 | 12 | 09 | 05 | | 022 | | JK |
| SA | 2045 | E250 BKN | 20 | | | 247 | 36 | 19 | 34 | 05 | | 023 | | JK |
| SA | 2148 | 250 SCT | 20 | | | 247 | 32 | 16 | 12 | 03 | | 023 | 103 1008 48 | JK |
| SA | 2245 | 250 SCT | 20 | | | 249 | 32 | 17 | 36 | 06 | | 024 | | JK |
| SA | 2348 | 250 SCT | 20 | | | 246 | 31 | 17 | 03 | 07 | | 024 | | JK |

A synoptic observation, in WMO code format FM12-VII, is entered on line following related aviation observation.

FM12-VII: Iliii $i_R i_x$hVV Nddff $1s_nTTT$ $2s_nT_dT_dT_d$ $3P_oP_oP_oP_o$ 4PPPP 5appp $6RRRt_R$ $7wwW_1W_2$ $8N_hC_LC_MC_H$

SUPERSEDES MF1-10A (10-78) WHICH MAY BE USED.

☆ U.S. G.P.O. 1982-564-008/1123

MF1-10B (1-82)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: 1983 DEC 7

To convert LST to GMT ADD 8 hrs. SUBTRACT ___ hrs.

| TIME (L.S.T.) 16 | STATION PRESSURE (Ins.) 17 | DRY BULB (°F) 18 | WET BULB (°F) 19 | REL. HUMIDITY (%) 20 | TOTAL SKY COVER 21 | LOWEST LAYER AMT. 22 | LOWEST LAYER TYPE 23 | LOWEST LAYER HEIGHT 24 | SECOND LAYER AMT. 25 | SECOND LAYER TYPE 26 | SECOND LAYER HEIGHT 27 | SUMMATION TOTAL 28 | THIRD LAYER AMT. 29 | THIRD LAYER TYPE 30 | THIRD LAYER HEIGHT 31 | SUMMATION TOTAL 32 | FOURTH LAYER AMT. 33 | FOURTH LAYER TYPE 34 | FOURTH LAYER HEIGHT 35 | TOTAL OPAQUE SKY COVER 36 | PRESSURE TENDENCY 37 | NET 3-HR. CHANGE (Ins.) 38 | SUNSHINE (Min.) 39 | PRECIPITATION (Ins.) 40 | HR. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00 47 | 26.800 | 29.4 | 25.4 | 58 | 0 | 0 | Ci | 250 | | | | | | | | | | | | 0 | 0 | .000 | | | 00-01 |
| 01 45 | 26.800 | 31.4 | 26.0 | 48 | 0 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 45 | 26.790 | 27.8 | 24.1 | 59 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 47 | 26.800 | 29.0 | 25.2 | 59 | 0 | 0 | Ci | 250 | | | | | | | | | | | | 0 | 5 | .000 | | | 03-04 |
| 04 47 | 26.810 | 28.5 | 25.3 | 64 | 0 | | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 05 51 | 26.820 | 26.7 | 24.2 | 70 | 0 | | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 06 47 | 26.830 | 25.7 | 23.0 | 66 | 1 | 1 | Ci | 250 | | | | | | | | | | | | 0 | 2 | .030 | | | 06-07 |
| 07 45 | 26.830 | 31.6 | 27.4 | 59 | 1 | | | | | | | | | | | | | | | 1 | | | | | 07-08 |
| 08 47 | 26.840 | 39.0 | 31.1 | 40 | 1 | | | | | | | | | | | | | | | 1 | | | | | 08-09 |
| 09 52 | 26.850 | 43.5 | 35.5 | 45 | 3 | 3 | Ci | 250 | | | | | | | | | | | | 3 | 3 | .020 | | | 09-10 |
| 10 46 | 26.830 | 46.2 | 34.4 | 26 | 6 | | | | | | | | | | | | | | | 5 | | | | | 10-11 |
| 11 45 | 26.810 | 47.8 | 36.0 | 28 | 9 | | | | | | | | | | | | | | | 8 | | | | | 11-12 |
| 12 48 | 26.780 | 50.6 | 37.4 | 25 | 9 | 7 | Ci | E230 | 2 | Cc | 350 | 9 | | | | | | | | 8 | 8 | .070 | | | 12-13 |
| 13 45 | 26.770 | 48.7 | 36.0 | 25 | 9 | | | | | | | | | | | | | | | 9 | | | | | 13-14 |
| 14 50 | 26.770 | 48.9 | 36.2 | 25 | 9 | | | | | | | | | | | | | | | 9 | | | | | 14-15 |
| 15 49 | 26.740 | 50.9 | 38.1 | 27 | 2 | 1 | Ac | 180 | 1 | Ci | 280 | 2 | | | | | | | | 1 | 8 | .040 | | | 15-16 |
| 16 47 | 26.740 | 44.8 | 33.4 | 26 | 1 | | | | | | | | | | | | | | | 1 | | | | | 16-17 |
| 17 50 | 26.760 | 41.2 | 31.8 | 34 | 0 | | | | | | | | | | | | | | | 0 | | | | | 17-18 |
| 18 49 | 26.750 | 37.8 | 30.0 | 39 | 0 | 0 | Ci | 280 | | | | | | | | | | | | 0 | 0 | .010 | | | 18-19 |
| 19 50 | 26.770 | 36.0 | 29.2 | 43 | 0 | | | | | | | | | | | | | | | 0 | | | | | 19-20 |
| 20 48 | 26.750 | 33.9 | 27.9 | 47 | 0 | | | | | | | | | | | | | | | 0 | | | | | 20-21 |
| 21 49 | 26.750 | 34.0 | 28.0 | 47 | 0 | 0 | Ci | 280 | | | | | | | | | | | | 0 | 0 | .000 | | | 21-22 |
| 22 47 | 26.750 | 34.0 | 27.7 | 44 | 0 | | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 23 47 | 26.740 | 31.5 | 27.0 | 56 | 0 | | | | | | | | | | | | | | | 0 | | | | | 23-24 |

CLOUDS AND OBSCURING PHENOMENA

## SYNOPTIC OBSERVATIONS

| TIME (G.M.T.) 41 | TIME (L.S.T.) 42 | NO. 43 | PRECIP. (Ins.) 44 | SNOW FALL (Ins.) 45 | SNOW DEPTH (Ins.) 46 | MAX. TEMP. (°F) 47 | MIN. TEMP. (°F) 48 | 49 | STATE OF GRND. 50 | 51 | 52 | 53 | 54 | 55 | SOIL TEMP. 56 | 57 | 58 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MID. TO 0343 | | 0 | 0 | | 31 | 28 | | | | | | | | | | |
| | 0343 | 1 | 0 | 0 | 0 | 32 | 28 | | 0 | | | | | | | | |
| | 0947 | 2 | 0 | 0 | 0 | 44 | 25 | | 0 | | | | | | | | |
| | 1545 | 3 | 0 | 0 | 0 | 51 | 44 | | 0 | | | | | | | | |
| | 2146 | 4 | 0 | 0 | 0 | 51 | 34 | | 0 | | | | | | | | |
| | MID. | | 0 | 0 | 0 | 34 | 32 | | | | | | | | | | |

## STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0347 | 0952 | 1546 | 2147 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.800 | 26.850 | 26.740 | 26.750 |
| BAROGRAPH 64 | 26.770 | 26.810 | 26.725 | 26.720 |
| BAR. CORR. 65 | +.030 | +.040 | +.015 | +.030 |

## SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

| 24-HR. MAX. TEMP. (°F) 66 | 24-HR. MIN. TEMP. (°F) 67 | 24-HR. PRECIP. WATER EQUIV. (Ins.) 68 | 24-HR. SNOWFALL UNML'TD (Ins.) 69 | SNOW DEPTH (Ins.) 70 | PEAK WIND SPEED (Kts.) 71 | PEAK WIND DIRECTION 72 | PEAK WIND TIME (L.S.T.) 73 | THICKNESS OF ICE ON WATER (Ins.) 74 | FROZEN GROUND LAYER (Ins.) TOP 75 | FROZEN GROUND LAYER (Ins.) BASE 76 | RIVER GAGE 77 | SKY COVER SUNRISE TO SUNSET 78 | SKY COVER MIDNIGHT TO MIDNIGHT 79 | WATER EQUIV. (Ins.) 80 | 81 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 51 | 25 | 0 | 0 | 0 | 14 | SE | 1615 | | | | | 5 | 2 | | |

## WEATHER & OBSTRUCTIONS TO VISION

| TYPE 82 | BEGAN 83 | ENDED 84 | TYPE 86 | BEGAN 87 | ENDED 88 |
|---|---|---|---|---|---|
| | | | | | |

## 90. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE SUNSET

TOTAL SUNSHINE (MIN.) | PERCENT OF POSSIBLE SUNSHINE | CHARACTER OF SUNRISE | CHARACTER OF SUNSET

FASTEST OBSERVED 1-MINUTE WIND SPEED M.P.H. OR FASTEST MILE M.P.H. | ASSOCIATED DIRECTION | TIME

TIME CHECK - CLOCK AT: 0642P ±1 Sec./ 1845P ±1 Sec./ ± Sec.

1642P/1642P

SP= 00

RS = 00

MF1-10A (1-82)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: 1983 DEC 8

TO CONVERT LST TO GMT: ADD 8 hrs. SUBTRACT ____ hrs.

| TYPE (1) | TIME (LST) (2) | SKY AND CEILING (Hundreds of Feet) (3) | VISIBILITY (Miles) SURFACE (4) | VISIBILITY (Miles) TOWER (4a) | WEATHER AND OBSTRUCTIONS TO VISION (5) | SEA LEVEL PRESS. (Mbs.) (6) | TEMP. (°F) (7) | DEW PT. (°F) (8) | WIND DIRECTION (00-36) (9) | WIND SPEED (Knots) (10) | WIND CHARACTER (11) | ALTIMETER SETTING (Ins.) (12) | REMARKS AND SUPPLEMENTAL CODED DATA (13) | OBSERVERS INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0047 | CLR | 20 | | | 244 | 29 | 16 | 35 | 07 | | 023 | 000 1001 | JK |
| SA | 0145 | CLR | 20 | | | 242 | 31 | 14 | 15 | 03 | | 023 | | JK |
| SA | 0245 | CLR | 20 | | | 242 | 28 | 15 | 35 | 07 | | 022 | | JK |
| SA | 0347 | CLR | 20 | | | 242 | 29 | 17 | 07 | 05 | | 023 | 500 1001 28 RADAT | LG |
| — | — | | | | | | | | | | | | 50L035109 | — |
| SA | 0447 | CLR | 20 | | | 249 | 29 | 18 | 12 | 04 | | 024 | | LG |
| SA | 0551 | CLR | 20 | | | 258 | 27 | 18 | 13 | 04 | | 025 | | LG |
| SA | 0647 | 250-SCT | 20 | | | 262 | 26 | 16 | 33 | 06 | | 026 | 210 1001 | LG |
| SA | 0745 | 250 SCT | 20 | | | 258 | 32 | 19 | 00 | 00 | | 026 | | LG |
| SA | 0847 | 250 SCT | 20 | | | 259 | 39 | 17 | 13 | 04 | | 027 | | LG |
| SA | 0952 | 250 SCT | 20 | | | 262 | 44 | 24 | 32 | 04 | | 028 | 307 1005 25 | LG |
| SA | 1046 | E250 BKN | 20 | | | 255 | 46 | 13 | 00 | 00 | | 026 | | LG |
| SA | 1145 | E230 BKN | 20 | | | 245 | 48 | 16 | 21 | 07 | | 024 | | LG |
| SA | 1248 | E230 BKN 350 BKN | 20 | | | 232 | 51 | 16 | 15 | 03 | | 021 | 824 1006 | LG |
| SA | 1345 | 180 SCT E230 BKN | 20 | | | 228 | 49 | 14 | 13 | 03 | | 019 | | LG |
| SA | 1450 | E180 BKN 230 BKN | 20 | | | 231 | 49 | 15 | 23 | 04 | | 019 | | LG |
| SA | 1549 | 180 SCT 280-SCT | 20 | | | 217 | 51 | 18 | 11 | 03 | | 016 | 814 103151 RADAT 32107 | EP |
| SA | 1647 | 180SCT 280SCT | 20 | | | 222 | 45 | 12 | 14 | 11 | | 016 | | EP |
| SA | 1750 | CLR | 20 | | | 233 | 41 | 15 | 11 | 07 | | 018 | | EP |
| SA | 1849 | CLR | 20 | | | 232 | 38 | 15 | 09 | 06 | | 017 | 003 1001 | EP |
| SA | 1950 | CLR | 20 | | | 236 | 36 | 16 | 31 | 03 | | 019 | | EP |
| SA | 2048 | CLR | 20 | | | 226 | 34 | 16 | 11 | 06 | | 017 | | EP |
| SA | 2149 | CLR | 20 | | | 224 | 34 | 16 | 02 | 04 | | 017 | 000 1001 51 | EP |
| SA | 2247 | CLR | 20 | | | 221 | 34 | 15 | 16 | 03 | | 017 | | EP |
| SA | 2347 | CLR | 20 | | | 218 | 32 | 18 | 01 | 03 | | 016 | | EP |

A synoptic observation, in WMO code format FM12-VII, is entered on line following related aviation observation.

FM12-VII: 1Iiii $i_R i_x$hVV Nddff $1s_nTTT$ $2s_nT_dT_dT_d$ $3P_oP_oP_oP_o$ 4PPPP 5appp $6RRR_{t_R}$ $7wwW_1W_2$ $8N_hC_LC_MC_H$

SUPERSEDES MF1-10A (10-78) WHICH MAY BE USED.

☆ U.S. G.P.O. 1982-564-008/1123

MF1-10B
(1-82)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: 8 DEC 1983

To convert LST to GMT ADD 8 hrs. SUBTRACT ____ hrs.

| TIME (L.S.T.) 16 | STATION PRESSURE (Ins.) 17 | DRY BULB (°F) 18 | WET BULB (°F) 19 | REL. HUMIDITY (%) 20 | TOTAL SKY COVER 21 | LOWEST LAYER AMT. 22 | LOWEST LAYER TYPE 23 | LOWEST LAYER HEIGHT 24 | SECOND LAYER AMT. 25 | SECOND LAYER TYPE 26 | SECOND LAYER HEIGHT 27 | SUMMATION TOTAL 28 | THIRD LAYER AMT. 29 | THIRD LAYER TYPE 30 | THIRD LAYER HEIGHT 31 | SUMMATION TOTAL 32 | FOURTH LAYER AMT. 33 | FOURTH LAYER TYPE 34 | FOURTH LAYER HEIGHT 35 | TOTAL OPAQUE SKY COVER 36 | PRESSURE TENDENCY 37 | NET 3-HR. CHANGE (Ins.) 38 | SUNSHINE (Min.) 39 | PRECIPITATION (Ins.) 40 | HR. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00 50 | 26.740 | 31.3 | 27.1 | 59 | 0 | 0 | Cl | 280 | | | | | | | | | | | | 0 | 6 | .010 | | | 00-01 |
| 01 48 | 26.740 | 29.3 | 25.5 | 60 | 0 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 50 | 26.730 | 30.4 | 26.0 | 55 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 51 | 26.720 | 27.7 | 25.2 | 71 | 2 | 1 | Ac | 180 | 1 | Cl | 290 | 2 | | | | | | | | 2 | 8 | .020 | | | 03-04 |
| 04 45 | 26.710 | 31.3 | 26.7 | 55 | 3 | | | | | | | | | | | | | | | 3 | | | | | 04-05 |
| 05 47 | 26.705 | 27.0 | 25.2 | 77 | 3 | | | | | | | | | | | | | | | 3 | | | | | 05-06 |
| 06 45 | 26.730 | 28.5 | 26.2 | 74 | 8 | 0 | AcSL | 180 | 8 | Cl | 290 | 8 | | | | | | | | 3 | 3 | .010 | | | 06-07 |
| 07 49 | 26.740 | 33.2 | 28.5 | 57 | 8 | | | | | | | | | | | | | | | 3 | | | | | 07-08 |
| 08 46 | 26.750 | 42.0 | 32.5 | 33 | 5 | | | | | | | | | | | | | | | 2 | | | | | 08-09 |
| 09 46 | 26.740 | 48.3 | 36.5 | 29 | 7 | 0 | Ac | 180 | 7 | Cl | 290 | 7 | | | | | | | | 2 | 0 | .010 | | | 09-10 |
| 10 47 | 26.710 | 52.4 | 38.1 | 22 | 8 | | | | | | | | | | | | | | | 5 | | | | | 10-11 |
| 11 50 | 26.690 | 53.2 | 39.0 | 24 | 8 | | | | | | | | | | | | | | | 7 | | | | | 11-12 |
| 12 45 | 26.675 | 53.3 | 39.0 | 23 | 8 | 3 | Ac | 180 | 5 | Cl | E290 | 8 | | | | | | | | 7 | 6 | .065 | | | 12-13 |
| 13 45 | 26.660 | 53.0 | 39.0 | 24 | 8 | | | | | | | | | | | | | | | 7 | | | | | 13-14 |
| 14 50 | 26.640 | 51.6 | 38.1 | 25 | 10 | | | | | | | | | | | | | | | 8 | | | | | 14-15 |
| 15 51 | 26.660 | 49.8 | 37.3 | 27 | 9 | 3 | Ac | 110 | 6 | Cl | E200 | 9 | | | | | | | | 7 | 5 | .015 | | | 15-16 |
| 16 46 | 26.660 | 47.9 | 36.5 | 30 | 9 | | | | | | | | | | | | | | | 7 | | | | | 16-17 |
| 17 49 | 26.660 | 44.0 | 34.0 | 33 | 8 | | | | | | | | | | | | | | | 4 | | | | | 17-18 |
| 18 47 | 26.660 | 44.1 | 34.1 | 33 | 10 | 3 | Ac | 180 | 7 | Cl | E250 | 10 | | | | | | | | 9 | 4 | .000 | | | 18-19 |
| 19 50 | 26.655 | 42.8 | 34.0 | 39 | 8 | | | | | | | | | | | | | | | 3 | | | | | 19-20 |
| 20 47 | 26.650 | 39.3 | 32.3 | 47 | 3 | | | | | | | | | | | | | | | 1 | | | | | 20-21 |
| 21 48 | 26.650 | 41.0 | 33.0 | 42 | 1 | 0 | Ac | 180 | 1 | Cl | 250 | 1 | | | | | | | | 0 | 6 | .010 | | | 21-22 |
| 22 47 | 26.630 | 36.8 | 31.0 | 53 | 0 | | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 23 48 | 26.620 | 35.3 | 30.5 | 59 | 0 | | | | | | | | | | | | | | | 0 | | | | | 23-24 |

## SYNOPTIC OBSERVATIONS

| TIME (G.M.T.) 41 | TIME (L.S.T.) 42 | NO. 43 | PRECIP. (Ins.) 44 | SNOW FALL (Ins.) 45 | SNOW DEPTH (Ins.) 46 | MAX. TEMP. (°F) 47 | MIN. TEMP. (°F) 48 | 49 | STATE OF GRND. 50 | 51 | 52 | 53 | 54 | 55 | SOIL TEMP. 56 | 57 | 58 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MID. TO 0347 | X | 0 | 0 | X | 32 | 27 | X | X | | | | | | X | | |
| | 0347 | 1 | 0 | 0 | 0 | 34 | 27 | | 0 | | | | | | | | |
| | 0942 | 2 | 0 | 0 | 0 | 48 | 26 | | 0 | | | | | | | | |
| | 1546 | 3 | 0 | 0 | 0 | 53 | 48 | | 0 | | | | | | | | |
| | 2145 | 4 | 0 | 0 | 0 | 50 | 39 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 41 | 35 | X | X | | | | | | X | | |

## STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0351 | 0946 | 1547 | 2146 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.720 | 26.740 | 26.660 | 26.650 |
| BAROGRAPH 64 | 26.685 | 26.710 | 26.620 | 26.610 |
| BAR. CORR. 65 | +.035 | +.030 | +.040 | +.040 |

## SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

| 24-HR. MAX. TEMP. (°F) 66 | 24-HR. MIN. TEMP. (°F) 67 | 24-HR. PRECIP. WATER EQUIV. (Ins.) 68 | 24-HR. SNOWFALL UNML TO (Ins.) 69 | SNOW DEPTH (Ins.) 70 | PEAK WIND SPEED (Kts.) 71 | PEAK WIND DIRECTION 72 | PEAK WIND TIME (L.S.T.) 73 | THICKNESS OF ICE ON WATER (Ins.) 74 | FROZEN GROUND LAYER (Ins.) TOP 75 | FROZEN GROUND LAYER (Ins.) BASE 76 | RIVER GAGE 77 | SKY COVER SUNRISE TO SUNSET 78 | SKY COVER MIDNIGHT TO MIDNIGHT 79 | WATER EQUIV. (Ins.) 80 | 81 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 53 | 26 | 0 | 0 | 0 | 15 | E | 1838 | | | | | 7 | 5 | | |

## WEATHER & OBSTRUCTIONS TO VISION

| TYPE 82 | BEGAN 83 | ENDED 84 | TYPE 86 | BEGAN 87 | ENDED 88 |
|---|---|---|---|---|---|
| | | | | | |

## 90. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE SUNSET

TOTAL SUNSHINE (MIN.) | PERCENT OF POSSIBLE SUNSHINE | CHARACTER OF SUNRISE | CHARACTER OF SUNSET

FASTEST OBSERVED 1-MINUTE WIND SPEED M.P.H. OR FASTEST MILE M.P.H. | ASSOCIATED DIRECTION | TIME

TIME CHECK - CLOCK AT: 0631P ± 1 Sec. / 0800P ± 0 Sec. / ± Sec.

SP = 00
RS = 00

MF1-10A
(1-82)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: 8 DEC 1983

TO CONVERT LST TO GMT: ADD 8 hrs. SUBTRACT ____ hrs.

| TYPE (1) | TIME (LST) (2) | SKY AND CEILING (Hundreds of Feet) (3) | VISIBILITY (Miles) SURFACE (4) | VISIBILITY (Miles) TOWER (4a) | WEATHER AND OBSTRUCTIONS TO VISION (5) | SEA LEVEL PRESS. (Mbs.) (6) | TEMP. (°F) (7) | DEW PT. (°F) (8) | WIND DIRECTION (00-36) (9) | WIND SPEED (Kts.) (10) | WIND CHARACTER (11) | ALTIMETER SETTING (Ins.) (12) | REMARKS AND SUPPLEMENTAL CODED DATA (13) | OB. INTERVALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0050 | CLR | 20 | | | 216 | 31 | 19 | 11 | 06 | | 016 | 603 1001 | EP |
| SA | 0148 | CLR | 20 | | | 219 | 29 | 17 | 33 | 04 | | 016 | | EP |
| SA | 0250 | CLR | 20 | | | 214 | 30 | 16 | 05 | 04 | | 015 | | EP |
| SA | 0351 | 180 SCT 290 SCT | 20 | | | 210 | 28 | 19 | 01 | 07 | | 014 | 807 1071 27 | |
| — | — | | | | | | | | | | | | RADAT 53L035 118 | — |
| SA | 0445 | 180 SCT 290 SCT | 20 | | | 209 | 31 | 17 | 12 | 05 | | 013 | | |
| SA | 0547 | 180 SCT 290 SCT | 20 | | | 212 | 27 | 21 | 28 | 03 | | 013 | | |
| SA | 0645 | 290 - BKN | 20 | | | 223 | 29 | 21 | 01 | 03 | | 015 | ACSL SE/303 1046 | |
| SA | 0749 | 290 - BKN | 20 | | | 225 | 33 | 20 | 26 | 03 | | 016 | ACSL SE | |
| SA | 0846 | 290 - SCT | 20 | | | 225 | 42 | 15 | 31 | 05 | | 017 | FEW AC | |
| SA | 0946 | 290 - BKN | 20 | | | 217 | 48 | 17 | 06 | 03 | | 016 | 003 1076 26 | |
| SA | 1047 | E290 BKN | 20 | | | 202 | 52 | 15 | 17 | 06 | | 013 | FEW AC | |
| SA | 1150 | 180 SCT E290 BKN | 20 | | | 196 | 53 | 17 | 12 | 09 | | 011 | | |
| SA | 1245 | 180 SCT E290 BKN | 20 | | | 191 | 53 | 17 | 13 | 09 | | 009 | 622 1076 | |
| SA | 1345 | 180 SCT E290 BKN | 20 | | | 186 | 53 | 17 | 13 | 08 | | 007 | | |
| SA | 1450 | 180 SCT E290 OVC | 20 | | | 177 | 52 | 17 | 12 | 10 | | 005 | | |
| SA | 1551 | 110 SCT E200 BKN | 20 | | | 188 | 50 | 17 | 12 | 13 | | 007 | 505 1072 53 RADAT 40112 | EP |
| SA | 1646 | 110 SCT 180 SCT E200 BKN | 20 | | | 187 | 48 | 18 | 06 | 06 | | 007 | | EP |
| SA | 1749 | 180 SCT 200 - BKN | 20 | | | 192 | 44 | 17 | 12 | 10 | | 007 | | EP |
| SA | 1847 | 180 SCT E250 OVC | 20 | | | 191 | 44 | 17 | 04 | 07 | | 007 | 400 1072 | EP |
| SA | 1950 | 150 SCT 250 - BKN | 20 | | | 188 | 43 | 20 | 35 | 05 | | 007 | | EP |
| SA | 2049 | 150 SCT 250 - SCT | 20 | | | 182 | 39 | 21 | 08 | 06 | | 006 | | EP |
| SA | 2148 | 250 - SCT | 20 | | | 177 | 41 | 20 | 04 | 05 | | 006 | 603 1031 53 | EP |
| SA | 2247 | CLR | 20 | | | 169 | 37 | 21 | 09 | 06 | | 004 | | EP |
| SA | 2348 | CLR | 20 | | | 165 | 35 | 22 | 04 | 06 | | 003 | | EP |

A synoptic observation, in WMO code format FM12-VII, is entered on line following related aviation observation.

FM12-VII: Iliii $i_R i_x$hVV Nddff $1s_nTTT$ $2s_nT_dT_dT_d$ $3P_oP_oP_oP_o$ 4PPPP 5appp $6RRRt_R$ $7wwW_1W_2$ $8N_hC_LC_MC_H$

SUPERSEDES MF1-10A (10-78) WHICH MAY BE USED.

☆ U.S. G.P.O. 1982-564-008/1123

MF1-10B (1-82)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK NEVADA

DATE: 9 DEC 1983

To convert LST to GMT ADD 8 hrs. SUBTRACT ____ hrs.

| TIME (L.S.T.) 16 | STATION PRESSURE (Ins.) 17 | DRY BULB (°F) 18 | WET BULB (°F) 19 | REL. HUMIDITY (%) 20 | TOTAL SKY COVER 21 | LOWEST LAYER AMT. 22 | LOWEST LAYER TYPE 23 | LOWEST LAYER HEIGHT 24 | SECOND LAYER AMT. 25 | SECOND LAYER TYPE 26 | SECOND LAYER HEIGHT 27 | SUMMATION TOTAL 28 | THIRD LAYER AMT. 29 | THIRD LAYER TYPE 30 | THIRD LAYER HEIGHT 31 | SUMMATION TOTAL 32 | FOURTH LAYER AMT. 33 | FOURTH LAYER TYPE 34 | FOURTH LAYER HEIGHT 35 | TOTAL OPAQUE SKY COVER 36 | PRESSURE TENDENCY 37 | NET 3-HR. CHANGE (Ins.) 38 | SUNSHINE (Min.) 39 | PRECIPITATION (Ins.) 40 | HR. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00 50 | 26.605 | 39.3 | 32.3 | 47 | 0 | 0 | Ac | 150 | 0 | Ci | 250 | 0 | | | | | | | | 0 | 7 | .045 | | | 00-01 |
| 01 48 | 26.600 | 42.5 | 33.6 | 38 | 8 | | | | | | | | | | | | | | | 7 | | | | | 01-02 |
| 02 50 | 26.570 | 38.7 | 32.2 | 50 | 6 | | | | | | | | | | | | | | | 3 | | | | | 02-03 |
| 03 50 | 26.560 | 41.7 | 33.3 | 40 | 10 | 7 | Ac | E150 | 3 | Ci | 250 | 10 | | | | | | | | 9 | 6 | .045 | | | 03-04 |
| 04 50 | 26.540 | 38.4 | 32.1 | 51 | 7 | | | | | | | | | | | | | | | 3 | | | | | 04-05 |
| 05 47 | 26.545 | 36.0 | 30.6 | 55 | 3 | | | | | | | | | | | | | | | 3 | | | | | 05-06 |
| 06 47 | 26.545 | 34.7 | 29.7 | 57 | 3 | 0 | Sc | 60 | 3 | Ac | 150 | 3 | 0 | Ci | 250 | 3 | | | | 3 | 5 | .015 | | | 06-07 |
| 07 47 | 26.530 | 38.2 | 32.7 | 56 | 8 | | | | | | | | | | | | | | | 5 | | | | | 07-08 |
| 08 48 | 26.530 | 43.0 | 35.0 | 44 | 7 | | | | | | | | | | | | | | | 3 | | | | | 08-09 |
| 09 52 | 26.510 | 48.6 | 37.3 | 32 | 1 | 1 | Ac | 150 | | | | | | | | | | | | 1 | 8 | .035 | | | 09-10 |
| 10 49 | 26.480 | 53.9 | 39.4 | 26 | 4 | | | | | | | | | | | | | | | 4 | | | | | 10-11 |
| 11 48 | 26.450 | 55.9 | 41.3 | 25 | 10 | | | | | | | | | | | | | | | 9 | | | | | 11-12 |
| 12 52 | 26.425 | 58.3 | 42.0 | 21 | 10 | 10 | Sc | M75 | | | | | | | | | | | | 10 | 7 | .085 | | | 12-13 |
| 13 50 | 26.430 | 56.4 | 41.3 | 24 | 10 | | | | | | | | | | | | | | | 9 | | | | | 13-14 |
| 14 52 | 26.420 | 55.3 | 41.3 | 27 | 9 | | | | | | | | | | | | | | | 9 | | | | | 14-15 |
| 15 52 | 26.430 | 55.5 | 42.0 | 30 | 3 | 1 | Cu | 65 | 2 | Ac | 120 | 2 | 1 | Ac | 150 | 3 | | | | 3 | 3 | .005 | | | 15-16 |
| 16 48 | 26.420 | 54.0 | 41.2 | 31 | 3 | | | | | | | | | | | | | | | 3 | | | | | 16-17 |
| 17 50 | 26.450 | 53.8 | 41.9 | 35 | 9 | | | | | | | | | | | | | | | 9 | | | | | 17-18 |
| 18 46 | 26.450 | 51.5 | 41.4 | 42 | 3 | 3 | Cu | 40 | | | | | | | | | | | | 3 | 1 | .020 | | | 18-19 |
| 19 49 | 26.470 | 51.0 | 44.3 | 60 | 4 | | | | | | | | | | | | | | | 4 | | | | | 19-20 |
| 20 46 | 26.480 | 51.0 | 43.5 | 55 | 3 | | | | | | | | | | | | | | | 3 | | | | | 20-21 |
| 21 50 | 26.490 | 51.3 | 44.0 | 57 | 7 | 7 | Sc | M40 | | | | | | | | | | | | 7 | 1 | .040 | | | 21-22 |
| 22 45 | 26.510 | 50.5 | 43.0 | 55 | 4 | | | | | | | | | | | | | | | 4 | | | | | 22-23 |
| 23 46 | 26.520 | 51.0 | 43.0 | 53 | 0 | | | | | | | | | | | | | | | 0 | | | | | 23-24 |

CLOUDS AND OBSCURING PHENOMENA

## SYNOPTIC OBSERVATIONS

| TIME (G.M.T.) 41 | TIME (L.S.T.) 42 | NO. 43 | PRECIP. (Ins.) 44 | SNOW FALL (Ins.) 45 | SNOW DEPTH (Ins.) 46 | MAX. TEMP. (°F) 47 | MIN. TEMP. (°F) 48 | 49 | STATE OF GRND. 50 | 51 | 52 | 53 | 54 | 55 | SOIL TEMP. 56 | 57 | 58 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MID. TO 0345 | X | 0 | 0 | X | 43 | 35 | X | X | | | | | | X | | |
| | 0345 | 1 | 0 | 0 | 0 | 43 | 35 | | 0 | | | | | | | | |
| | 0948 | 2 | 0 | 0 | 0 | 49 | 32 | | 0 | | | | | | | | |
| | 1547 | 3 | T | 0 | 0 | 59 | 49 | | 0 | | | | | | | | |
| | 2146 | 4 | 0 | 0 | 0 | 56 | 51 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 51 | 51 | X | X | | | | | | X | | |

## STATION PRESSURE COMPUTATIONS

| TIME (L.S.T.) 59 | 0350 | 0952 | 1548 | 2147 |
|---|---|---|---|---|
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.520 | 26.510 | 26.430 | 26.490 |
| BAROGRAPH 64 | 26.520 | 26.510 | 26.420 | 26.480 |
| BAR. CORR. 65 | +.040 | ±.0* | +.010 | +.010 |

## SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

| 24-HR. MAX. TEMP. (°F) 66 | 24-HR. MIN. TEMP. (°F) 67 | 24-HR. PRECIP. WATER EQUIV. (Ins.) 68 | 24-HR. SNOWFALL UNMLTD (Ins.) 69 | SNOW DEPTH (Ins.) 70 | PEAK WIND SPEED (Kts.) 71 | PEAK WIND DIRECTION 72 | PEAK WIND TIME (L.S.T.) 73 | THICKNESS OF ICE ON WATER (Ins.) 74 | FROZEN GROUND LAYER (Ins.) TOP 75 | FROZEN GROUND LAYER (Ins.) BASE 76 | RIVER GAGE 77 | SKY COVER SUNRISE TO SUNSET 78 | SKY COVER MIDNIGHT TO MIDNIGHT 79 | WATER EQUIV. (Ins.) 80 | 81 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 59 | 32 | T | 0 | 0 | 29 | 5 | 1352 | | | | | 7 | 6 | | |

## WEATHER & OBSTRUCTIONS TO VISION

| TYPE 82 | BEGAN 83 | ENDED 84 | TYPE 86 | BEGAN 87 | ENDED 88 |
|---|---|---|---|---|---|
| RW- | 1241 | 1246 | | | |
| RW- | 1353 | 1409 | | | |

## 90. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE SUNSET

TOTAL SUNSHINE (MIN.) | PERCENT OF POSSIBLE SUNSHINE | CHARACTER OF SUNRISE | CHARACTER OF SUNSET

FASTEST OBSERVED 1-MINUTE WIND SPEED M.P.H. OR FASTEST MILE M.P.H. ASSOCIATED DIRECTION TIME

TIME CHECK - CLOCK AT: 0759P ±1 Sec./ 2200P ±1 Sec./ ± Sec.

* BAROGRAPH CHANGED - RESET TO ±.0 CORR.

SP = 00
RS = 00

MF1-10A (1-82)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

## SURFACE WEATHER OBSERVATIONS

STATION: **WSMO, DESERT ROCK NEVADA**

DATE: 9 DEC 1983

TO CONVERT LST TO GMT ADD 8 hrs. SUBTRACT ____ hrs.

| TYPE (1) | TIME (LST) (2) | SKY AND CEILING (Hundreds of Feet) (3) | VISIBILITY (Miles) SURFACE (4) | VISIBILITY (Miles) TOWER (4a) | WEATHER AND OBSTRUCTIONS TO VISION (5) | SEA LEVEL PRESS. (Mbs.) (6) | TEMP (°F) (7) | DEW PT. (°F) (8) | WIND DIRECTION (00-36) (9) | WIND SPEED (Kts.) (10) | WIND CHARACTER (11) | ALTIMETER SETTING (Ins.) (12) | REMARKS AND SUPPLEMENTAL CODED DATA (13) | OBSERVER'S INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0050 | CLR | 20 | | | 157 | 39 | 21 | 09 | 07 | | 001 | 715 1031 | EP |
| SA | 0148 | 150 SCT E250 BKN | 20 | | | 155 | 43 | 19 | 10 | 10 | | 001 | | EP |
| SA | 0250 | 150 SCT 250 - BKN | 20 | | | 146 | 39 | 22 | 05 | 07 | | 997 | | EP |
| SA | 0350 | E150 BKN 250 OVC | 20 | | | 142 | 42 | 19 | 09 | 09 | | 996 | 615 1051 35 | [illegible] |
| — | — | | | | | | | | | | | | RADAT 61100 | — |
| SA | 0450 | 150 SCT 250 - BKN | 20 | | | 137 | 38 | 22 | 10 | 04 | | 994 | | [illegible] |
| SA | 0547 | 150 SCT 250 SCT | 20 | | | 143 | 36 | 21 | 06 | 07 | | 995 | | [illegible] |
| SA | 0647 | 150 SCT 250 SCT | 20 | | | 144 | 35 | 21 | 00 | 00 | | 995 | FEW SE VIRGA SW / 505 | [illegible] |
| — | — | | | | | | | | | | | | 1571 | — |
| SA | 0747 | 150 SCT E250 BKN | 20 | | | 136 | 38 | 24 | 34 | 05 | | 993 | | [illegible] |
| SA | 0848 | 150 SCT 250 - BKN | 20 | | | 136 | 43 | 23 | 00 | 00 | | 993 | | [illegible] |
| SA | 0952 | 150 SCT | 20 | | | 124 | 49 | 20 | 05 | 06 | | 991 | 812 1070 32 | [illegible] |
| SA | 1049 | 90 SCT 150 SCT 250 SCT | 20 | | | 112 | 53 | 19 | 12 | 14 | | 987 | | [illegible] |
| SA | 1148 | E90 OVC | 20 | | | 100 | 56 | 21 | 12 | 11 | | 984 | BINOVC SE | [illegible] |
| SA | 1252 | M75 OVC | 20 | | | 086 | 58 | 19 | 19 | 16 | G21 | 982 | RB41E46/72900 15// | [illegible] |
| SA | 1350 | M75 OVC | 20 | | | 087 | 56 | 20 | 23 | 20 | G28 | 982 | RWU ALGDS | [illegible] |
| SA | 1450 | M65 BKN 120 BKN | 20 | | | 085 | 55 | 22 | 21 | 12 | G18 | 981 | RB2153E04 | [illegible] |
| SA | 1552 | 65 SCT 120 SCT 150 SCT | 20 | | | 088 | 56 | 24 | 22 | 16 | G27 | 982 | 30200 123059 RADAT | EP |
| / | | | | | | | | | | | | | 54077 | / |
| SA | 1648 | 60 SCT 120 SCT | 20 | | | 087 | 54 | 24 | 21 | 16 | G23 | 981 | | EP |
| SA | 1750 | M40 BKN 60 BKN | 20 | | | 100 | 54 | 27 | 21 | 15 | G21 | 984 | | EP |
| SA | 1846 | 40 SCT | 20 | | | 102 | 52 | 29 | 21 | 15 | G22 | 984 | 107 1200 | EP |
| SA | 1949 | 38 SCT | 20 | | | 108 | 51 | 38 | 20 | 17 | G24 | 986 | | EP |
| SA | 2046 | 38 SCT | 20 | | | 108 | 51 | 36 | 21 | 16 | G26 | 987 | | EP |
| SA | 2150 | M40 BKN | 20 | | | 109 | 51 | 37 | 21 | 15 | G24 | 988 | 114 1400 59 | EP |
| SA | 2245 | 40 SCT | 20 | | | 115 | 51 | 35 | 22 | 14 | | 991 | | EP |
| SA | 2346 | CLR | 20 | | | 117 | 51 | 34 | 21 | 12 | | 992 | | EP |

A synoptic observation, in WMO code format FM12-VII, is entered on line following related aviation observation.

FM12-VII: IIiii $i_R i_x$hVV Nddff $1s_n$TTT $2s_n T_d T_d T_d$ $3P_oP_oP_oP_o$ 4PPPP 5appp 6RRR$t_R$ 7ww$W_1W_2$ $8N_hC_LC_MC_H$

☆ U.S. G.P.O. 1982-564-008/1123

SUPERSEDES MF1-10A (10-78) WHICH MAY BE USED.

MF1-10B
(1-82)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK NEVADA

DATE: 10 DEC 1983

To convert LST to GMT ADD 8 hrs. SUBTRACT ____ hrs.

| TIME (L.S.T.) 16 | STATION PRESSURE (Ins.) 17 | DRY BULB (°F) 18 | WET BULB (°F) 19 | REL. HUMIDITY (%) 20 | TOTAL SKY COVER 21 | LOWEST LAYER AMT. 22 | LOWEST LAYER TYPE 23 | LOWEST LAYER HEIGHT 24 | SECOND LAYER AMT. 25 | SECOND LAYER TYPE 26 | SECOND LAYER HEIGHT 27 | SUMMATION TOTAL 28 | THIRD LAYER AMT. 29 | THIRD LAYER TYPE 30 | THIRD LAYER HEIGHT 31 | SUMMATION TOTAL 32 | FOURTH LAYER AMT. 33 | FOURTH LAYER TYPE 34 | FOURTH LAYER HEIGHT 35 | TOTAL OPAQUE SKY COVER 36 | PRESSURE TENDENCY 37 | NET 3-HR. CHANGE (Ins.) 38 | SUNSHINE (Min.) 39 | PRECIPITATION (Ins.) 40 | HR. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00 | 48 | 26.540 | 48.3 | 42.8 | 65 | 0 | | | | | | | | | | | | | | 0 | 2 | .050 | | | 00-01 |
| 01 | 47 | 26.570 | 43.3 | 38.3 | 64 | 0 | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 | 50 | 26.590 | 40.8 | 37.7 | 76 | 0 | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 | 48 | 26.620 | 43.3 | 39.7 | 74 | 0 | | | | | | | | | | | | | | 0 | 2 | .080 | | | 03-04 |
| 04 | 51 | 26.640 | 37.7 | 36.0 | 86 | 0 | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 05 | 49 | 26.660 | 37.2 | 35.7 | 87 | 0 | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 06 | 51 | 26.690 | 37.3 | 35.7 | 87 | 0 | 0 | Cl | 300 | | | | | | | | | | | 0 | 2 | .070 | | | 06-07 |
| 07 | 50 | 26.720 | 39.6 | 37.3 | 82 | 0 | | | | | | | | | | | | | | 0 | | | | | 07-08 |
| 08 | 52 | 26.730 | 45.0 | 41.0 | 72 | 0 | | | | | | | | | | | | | | 0 | | | | | 08-09 |
| 09 | 47 | 26.750 | 47.7 | 42.0 | 63 | 0 | 0 | Cl | 300 | | | | | | | | | | | 0 | 1 | .060 | | | 09-10 |
| 10 | 48 | 26.750 | 50.8 | 43.4 | 56 | 0 | | | | | | | | | | | | | | 0 | | | | | 10-11 |
| 11 | 45 | 26.720 | 52.6 | 44.6 | 54 | 0 | | | | | | | | | | | | | | 0 | | | | | 11-12 |
| 12 | 45 | 26.720 | 55.0 | 45.4 | 48 | 0 | 0 | Cl | 300 | | | | | | | | | | | 0 | 6 | .030 | | | 12-13 |
| 13 | 45 | 26.690 | 56.7 | 46.4 | 46 | 1 | | | | | | | | | | | | | | 1 | | | | | 13-14 |
| 14 | 50 | 26.680 | 57.6 | 46.6 | 44 | 1 | | | | | | | | | | | | | | 1 | | | | | 14-15 |
| 15 | 50 | 26.710 | 56.5 | 46.0 | 45 | 8 | 8 | Cl | 250 | | | | | | | | | | | 1 | 5 | .010 | | | 15-16 |
| 16 | 46 | 26.720 | 49.8 | 42.3 | 54 | 2 | | | | | | | | | | | | | | 0 | | | | | 16-17 |
| 17 | 46 | 26.740 | 46.0 | 40.7 | 65 | 0 | | | | | | | | | | | | | | 0 | | | | | 17-18 |
| 18 | 47 | 26.750 | 47.0 | 41.0 | 61 | 0 | 0 | Cl | 250 | | | | | | | | | | | 0 | 2 | .040 | | | 18-19 |
| 19 | 47 | 26.760 | 44.9 | 39.9 | 66 | 0 | | | | | | | | | | | | | | 0 | | | | | 19-20 |
| 20 | 46 | 26.770 | 41.9 | 38.3 | 73 | 1 | | | | | | | | | | | | | | 0 | | | | | 20-21 |
| 21 | 49 | 26.780 | 42.4 | 38.6 | 73 | 2 | 2 | Cl | 250 | | | | | | | | | | | 0 | 2 | .030 | | | 21-22 |
| 22 | 48 | 26.780 | 44.8 | 39.5 | 64 | 2 | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 23 | 48 | 26.770 | 39.9 | 37.0 | 77 | 3 | | | | | | | | | | | | | | 2 | | | | | 23-24 |

## SYNOPTIC OBSERVATIONS

| TIME (G.M.T.) 41 | TIME (L.S.T.) 42 | NO. 43 | PRECIP. (Ins.) 44 | SNOW FALL (Ins.) 45 | SNOW DEPTH (Ins.) 46 | MAX. TEMP. (°F) 47 | MIN. TEMP. (°F) 48 | 49 | STATE OF GRND. 50 | 51 | 52 | 53 | 54 | 55 | SOIL TEMP. 56 | 57 | 58 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MID. TO 0344 | X | 0 | 0 | X | 51 | 39 | X | X | | | | | | X | | |
| | 0344 | 1 | 0 | 0 | 0 | 51 | 39 | | 0 | | | | | | | | |
| | 0943 | 2 | 0 | 0 | 0 | 48 | 34 | | 0 | | | | | | | | |
| | 1546 | 3 | 0 | 0 | 0 | 58 | 48 | | 0 | | | | | | | | |
| | 2145 | 4 | 0 | 0 | 0 | 57 | 42 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 45 | 40 | X | X | | | | | | X | | |

## STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0348 | 0947 | 1547 | 2146 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.620 | 26.750 | 26.710 | 26.780 |
| BAROGRAPH 64 | 26.610 | 26.750 | 26.710 | 26.775 |
| BAR. CORR. 65 | +.010 | 0 | 0 | +.005 |

## SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

| 24-HR. MAX. TEMP. (°F) 66 | 24-HR. MIN. TEMP. (°F) 67 | 24-HR. PRECIP. WATER EQUIV. (Ins.) 68 | 24-HR. SNOWFALL UNMLTD (Ins.) 69 | SNOW DEPTH (Ins.) 70 | PEAK WIND SPEED (Kts.) 71 | PEAK WIND DIRECTION 72 | PEAK WIND TIME (L.S.T.) 73 | THICKNESS OF ICE ON WATER (Ins.) 74 | FROZEN GROUND LAYER (Ins.) TOP 75 | FROZEN GROUND LAYER (Ins.) BASE 76 | RIVER GAGE 77 | SKY COVER SUNRISE TO SUNSET 78 | SKY COVER MIDNIGHT TO MIDNIGHT 79 | WATER EQUIV. (Ins.) 80 | 81 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 58 | 34 | 0 | 0 | 0 | 14 | SW | 0003 | | | | | 1 | 1 | | |

## WEATHER & OBSTRUCTIONS TO VISION

| TYPE 82 | BEGAN 83 | ENDED 84 | TYPE 86 | BEGAN 87 | ENDED 88 |
|---|---|---|---|---|---|
| | | | | | |

## 90. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE SUNSET

TOTAL SUNSHINE (MIN.) | PERCENT OF POSSIBLE SUNSHINE | CHARACTER OF SUNRISE | CHARACTER OF SUNSET

FASTEST OBSERVED MINUTE WIND SPEED M.P.H. OR FASTEST MILE M.P.H. | ASSOCIATED DIRECTION | TIME

TIME CHECK - CLOCK AT: 0615P ±1 Sec./ 2200 ±0 Sec./ ± Sec.

SP = 00
RS = 00

MF1-10A
(1-82)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK NEVADA

DATE: 10 DEC 1983

TO CONVERT LST TO GMT: ADD 8 hrs. SUBTRACT ____ hrs.

| TYPE (1) | TIME LST (2) | SKY AND CEILING (Hundreds of Feet) (3) | VISIBILITY (Miles) SURFACE (4) | VISIBILITY (Miles) TOWER (4a) | WEATHER AND OBSTRUCTIONS TO VISION (5) | SEA LEVEL PRESS. (Mbs.) (6) | TEMP (°F) (7) | DEW PT. (°F) (8) | WIND DIRECTION (100's Mil) (9) | WIND SPEED (Knots) (10) | WIND CHARACTER (11) | ALTIMETER SETTING (Inches) (12) | REMARKS AND SUPPLEMENTAL CODED DATA (13) | OBSERVERS INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0048 | CLR | 20 | | | 125 | 48 | 37 | 24 | 06 | | 994 | 217 | EP |
| SA | 0147 | CLR | 20 | | | 140 | 43 | 32 | 09 | 03 | | 997 | | EP |
| SA | 0250 | CLR | 20 | | | 151 | 41 | 34 | 32 | 07 | | 999 | | EP |
| SA | 0348 | CLR | 20 | | | 160 | 43 | 36 | 01 | 05 | | 003 | 227 34 RADAT 27091 | EP |
| SA | 0451 | CLR | 20 | | | 172 | 38 | 34 | 01 | 07 | | 005 | | EP |
| SA | 0549 | CLR | 20 | | | 180 | 37 | 34 | 03 | 08 | | 008 | | EP |
| SA | 0651 | CLR | 20 | | | 192 | 37 | 34 | 05 | 03 | | 011 | 224 1001 | EP |
| SA | 0750 | CLR | 20 | | | 204 | 40 | 35 | 09 | 03 | | 014 | | EP |
| SA | 0852 | CLR | 20 | | | 204 | 45 | 37 | 28 | 03 | | 015 | | EP |
| SA | 0947 | CLR | 20 | | | 210 | 48 | 36 | 32 | 03 | | 017 | 120 1001 34 | EP |
| SA | 1048 | CLR | 20 | | | 208 | 51 | 36 | 29 | 04 | | 017 | | EP |
| SA | 1145 | CLR | 20 | | | 196 | 53 | 37 | 00 | 00 | | 014 | | EP |
| SA | 1245 | CLR | 20 | | | 196 | 55 | 36 | 25 | 03 | | 014 | 610 1001 | EP |
| SA | 1345 | 250 SCT | 20 | | | 187 | 57 | 36 | 26 | 05 | | 011 | | EP |
| SA | 1450 | 250 SCT | 20 | | | 184 | 58 | 36 | 00 | 00 | | 010 | | EP |
| SA | 1550 | 250-BKN | 20 | | | 194 | 57 | 35 | 24 | 06 | | 013 | 503 1001 58 RADAT 51100 | EP |
| SA | 1646 | 250-SCT | 20 | | | 205 | 50 | 34 | 00 | 00 | | 014 | | EP |
| SA | 1746 | CLR | 20 | | | 215 | 46 | 35 | 11 | 08 | | 016 | | EP |
| SA | 1847 | CLR | 20 | | | 220 | 47 | 34 | 11 | 08 | | 017 | 214 1001 | EP |
| SA | 1947 | CLR | 20 | | | 222 | 45 | 34 | 10 | 05 | | 018 | | EP |
| SA | 2046 | 250-SCT | 20 | | | 224 | 42 | 34 | 19 | 04 | | 019 | | EP |
| SA | 2149 | 250-SCT | 20 | | | 227 | 42 | 34 | 01 | 08 | | 021 | 210 1001 58 | EP |
| SA | 2248 | 250-SCT | 20 | | | 224 | 45 | 33 | 03 | 03 | | 021 | | EP |
| SA | 2348 | 250 SCT | 20 | | | 220 | 40 | 33 | 04 | 03 | | 019 | | EP |

A synoptic observation, in WMO code format FM12-VII, is entered on line following related aviation observation.

FM12-VII: IIiii $i_R i_x$hVV Nddff $1s_nTTT$ $2s_nT_dT_dT_d$ $3P_oP_oP_oP_o$ 4PPPP 5appp 6RRR$t_R$ 7wwW$_1$W$_2$ 8$N_hC_LC_MC_H$

SUPERSEDES MF1-10A (10-78) WHICH MAY BE USED.

☆ U.S. G.P.O. 1982-564-008/1123

MF1-10B (1-82)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK NEVADA

DATE: 11 DEC 1983

To convert LST to GMT ADD 8 hrs. SUBTRACT ____ hrs.

| TIME (L.S.T.) 16 | STATION PRESSURE (Ins.) 17 | DRY BULB (°F) 18 | WET BULB (°F) 19 | REL. HUMIDITY (%) 20 | TOTAL SKY COVER 21 | LOWEST LAYER AMT. 22 | LOWEST LAYER TYPE 23 | LOWEST LAYER HEIGHT 24 | SECOND LAYER AMT. 25 | SECOND LAYER TYPE 26 | SECOND LAYER HEIGHT 27 | SUMMATION TOTAL 28 | THIRD LAYER AMT. 29 | THIRD LAYER TYPE 30 | THIRD LAYER HEIGHT 31 | SUMMATION TOTAL 32 | FOURTH LAYER AMT. 33 | FOURTH LAYER TYPE 34 | FOURTH LAYER HEIGHT 35 | TOTAL OPAQUE SKY COVER 36 | PRESSURE TENDENCY 37 | NET 3-HR. CHANGE (Ins.) 38 | SUNSHINE (Min.) 39 | PRECIPITATION (Ins.) 40 | HR. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00 50 | 26.770 | 40.3 | 37.5 | 78 | 0 | 0 | CI | 250 | | | | | | | | | | | | 0 | 6 | .010 | | | 00-01 |
| 01 47 | 26.760 | 40.2 | 37.3 | 78 | 0 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 50 | 26.760 | 38.3 | 36.0 | 81 | 4 | | | | | | | | | | | | | | | 1 | | | | | 02-03 |
| 03 54 | 26.740 | 40.4 | 37.1 | 75 | 10 | 10 | CS | E260 | | | | | | | | | | | | 9 | 7 | .030 | | | 03-04 |
| 04 48 | 26.740 | 40.8 | 37.4 | 74 | 10 | | | | | | | | | | | | | | | 4 | | | | | 04-05 |
| 05 45 | 26.740 | 40.0 | 37.0 | 77 | 10 | | | | | | | | | | | | | | | 5 | | | | | 05-06 |
| 06 48 | 26.765 | 38.4 | 35.9 | 80 | 10 | 10 | CS | E260 | | | | | | | | | | | | 8 | 8 | .015 | | | 06-07 |
| 07 47 | 26.730 | 41.4 | 38.0 | 75 | 10 | | | | | | | | | | | | | | | 8 | | | | | 07-08 |
| 08 49 | 26.690 | 45.4 | 40.0 | 63 | 10 | | | | | | | | | | | | | | | 6 | | | | | 08-09 |
| 09 47 | 26.710 | 50.0 | 42.2 | 53 | 10 | 1 | AC | 150 | 10 | CS | 260 | 10 | | | | | | | | 5 | 5 | .015 | | | 09-10 |
| 10 48 | 26.665 | 53.0 | 42.6 | 42 | 10 | | | | | | | | | | | | | | | 9 | | | | | 10-11 |
| 11 50 | 26.635 | 55.1 | 43.3 | 37 | 9 | | | | | | | | | | | | | | | 8 | | | | | 11-12 |
| 12 50 | 26.600 | 57.6 | 43.1 | 28 | 9 | 3 | AC | 18.0 | 7 | CI | E260 | 9 | | | | | | | | 6 | 7 | .110 | | | 12-13 |
| 13 46 | 26.570 | 59.8 | 43.0 | 21 | 3 | | | | | | | | | | | | | | | 2 | | | | | 13-14 |
| 14 52 | 26.530 | 59.7 | 42.1 | 18 | 2 | | | | | | | | | | | | | | | 2 | | | | | 14-15 |
| 15 49 | 26.525 | 56.1 | 41.3 | 25 | 1 | 1 | AC | 100 | 0 | AC | 150 | 1 | | | | | | | | 1 | 6 | .075 | | | 15-16 |
| 16 49 | 26.526 | 53.9 | 40.8 | 30 | 0 | | | | | | | | | | | | | | | 0 | | | | | 16-17 |
| 17 47 | 26.515 | 53.0 | 40.9 | 33 | 0 | | | | | | | | | | | | | | | 0 | | | | | 17-18 |
| 18 49 | 26.505 | 52.6 | 41.0 | 35 | 0 | | | | | | | | | | | | | | | 0 | 8 | .020 | | | 18-19 |
| 19 53 | 26.545 | 51.0 | 41.1 | 43 | 0 | | | | | | | | | | | | | | | 0 | | | | | 19-20 |
| 20 48 | 26.575 | 49.2 | 41.6 | 53 | 0 | | | | | | | | | | | | | | | 0 | | | | | 20-21 |
| 21 49 | 26.575 | 47.1 | 40.7 | 59 | 0 | | | | | | | | | | | | | | | 0 | 1 | .070 | | | 21-22 |
| 22 45 | 26.595 | 43.8 | 38.4 | 62 | 0 | | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 23 50 | 26.610 | 41.1 | 37.0 | 69 | 0 | | | | | | | | | | | | | | | 0 | | | | | 23-24 |

## SYNOPTIC OBSERVATIONS

| TIME (G.M.T.) 41 | TIME (L.S.T.) 42 | NO. 43 | PRECIP. (Ins.) 44 | SNOW FALL (Ins.) 45 | SNOW DEPTH (Ins.) 46 | MAX. TEMP. (°F) 47 | MIN. TEMP. (°F) 48 | 49 | STATE OF GRND. 50 | 51 | 52 | 53 | 54 | 55 | SOIL TEMP. 56 | 57 | 58 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MID. TO 0347 | | 0 | 0 | | 40 | 37 | | | | | | | | | | |
| | 0347 | 1 | 0 | 0 | 0 | 45 | 37 | | 0 | | | | | | | | |
| | 0944 | 2 | 0 | 0 | 0 | 51 | 37 | | 0 | | | | | | | | |
| | 1543 | 3 | 0 | 0 | 0 | 60 | 50 | | 0 | | | | | | | | |
| | 2143 | 4 | 0 | 0 | 0 | 56 | 47 | | 0 | | | | | | | | |
| | MID. | | 0 | 0 | 0 | 47 | 41 | | | | | | | | | | |

## STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0353 | 0947 | 1547 | 2148 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.740 | 26.710 | 26.525 | 26.575 |
| BAROGRAPH 64 | 26.735 | 26.700 | 26.540 | 26.560 |
| BAR. CORR. 65 | +.005 | +.010 | -.015 | +.015 |

## SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

| 24-HR. MAX. TEMP. (°F) 66 | 24-HR. MIN. TEMP. (°F) 67 | 24-HR. PRECIP. WATER EQUIV. (Ins.) 68 | 24-HR. SNOWFALL UNML TO (Ins.) 69 | SNOW DEPTH (Ins.) 70 | PEAK WIND SPEED (Kts.) 71 | PEAK WIND DIRECTION 72 | PEAK WIND TIME (L.S.T.) 73 | THICKNESS OF ICE ON WATER (Ins.) 74 | FROZEN GROUND LAYER (Ins.) TOP 75 | FROZEN GROUND LAYER (Ins.) BASE 76 | RIVER GAGE 77 | SKY COVER SUNRISE TO SUNSET 78 | SKY COVER MIDNIGHT TO MIDNIGHT 79 | WATER EQUIV. (Ins.) 80 | 81 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | 37 | 0 | 0 | 0 | 37 | S | 1605 | | | | | 7 | 5 | | |

## 90. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE SUNSET

TOTAL SUNSHINE (MIN.) | PERCENT OF POSSIBLE SUNSHINE | CHARACTER OF SUNRISE | CHARACTER OF SUNSET

FASTEST OBSERVED MINUTE WIND SPEED M.P.H. OR FASTEST MILE M.P.H. | ASSOCIATED DIRECTION | TIME

TIME CHECK - CLOCK AT: 0535:00PST ⊕0 Sec./1 1749P ⊖1 Sec./1 ± Sec.

0020P/603/2355P

SP=00
RS=00

## WEATHER & OBSTRUCTIONS TO VISION

| TYPE 82 | BEGAN 83 | ENDED 84 | TYPE 86 | BEGAN 87 | ENDED 88 |
|---|---|---|---|---|---|

MF1-10A
(1-82)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

STATION **WSMO, DESERT ROCK NEVADA**

DATE 11 DEC 1983

TO CONVERT LST TO GMT ADD 8 hrs. SUBTRACT ___ hrs.

## SURFACE WEATHER OBSERVATIONS

| TYPE (1) | TIME (LST) (2) | SKY AND CEILING (Hundreds of Feet) (3) | VISIBILITY (Miles) SURFACE (4) | VISIBILITY (Miles) TOWER (4a) | WEATHER AND OBSTRUCTIONS TO VISION (5) | SEA LEVEL PRESS. (Mbs.) (6) | TEMP. (°F) (7) | DEW PT. (°F) (8) | WIND DIRECTION (00-36) (9) | WIND SPEED (Kts.) (10) | WIND CHARACTER (11) | ALTIMETER SETTING (Ins.) (12) | REMARKS AND SUPPLEMENTAL CODED DATA (13) | OBSERVER'S INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0050 | CLR | 20 | | | 220 | 40 | 34 | 07 | 06 | | 019 | 6 403 1001 | EP |
| SA | 0147 | CLR | 20 | | | 215 | 40 | 34 | 05 | 06 | | 018 | | EP |
| SA | 0250 | 250 - SCT | 20 | | | 216 | 38 | 33 | 01 | 03 | | 018 | | EP |
| SA | 0354 | E260 OVC | 20 | | | 207 | 40 | 33 | 08 | 03 | | 017 | 710 1007 37 RADAT 64/05 | SEA |
| SA | 0448 | 260-OVC | 20 | | | 213 | 41 | 33 | 07 | 09 | | 017 | | SEA |
| SA | 0545 | 260-OVC | 20 | | | 214 | 40 | 33 | 01 | 05 | | 017 | | SEA |
| SA | 0648 | E260 OVC | 20 | | | 210 | 38 | 33 | 04 | 02 | | 015 | 805 1007 | SEA |
| SA | 0747 | E260 OVC | 20 | | | 210 | 41 | 34 | 03 | 03 | | 016 | BINOVC W | SEA |
| SA | 0849 | 150 SCT E260 OVC | 20 | | | 193 | 45 | 34 | 05 | 02 | | 011 | OVC PTLY THN | SEA |
| SA | 0947 | 150 SCT 260-OVC | 20 | | | 200 | 50 | 33 | 15 | 12 | | 014 | 505 1077 37 | SEA |
| SA | 1048 | 150 SCT E260 OVC | 20 | | | 178 | 53 | 30 | 36 | 02 | | 009 | | SEA |
| SA | 1150 | 150 SCT E260 BKN | 20 | | | 168 | 55 | 29 | 27 | 10 | | 005 | | SEA |
| SA | 1250 | 180 SCT E260 BKN | 20 | | | 152 | 58 | 25 | 20 | 11 | G17 | 001 | 737 1072 | SEA |
| SA | 1346 | 260 SCT | 20 | | | 140 | 60 | 20 | 18 | 17 | G28 | 998 | FEW AC | SEA |
| SA | 1452 | 260 SCT | 20 | | | 126 | 60 | 16 | 20 | 14 | G26 | 994 | FEW AC | SEA |
| SA | 1549 | 100 SCT 150 SCT | 20 | | | 125 | 56 | 21 | 19 | 23 | G31 | 993 | 625 1070 60 RADAT | MR |
| | | | | | | | | | | | | | 32081 | |
| SA | 1649 | CLR | 20 | | | 124 | 54 | 23 | 20 | 22 | G29 | 992 | FEW AC PK WND 1937/05 | MR |
| SA | 1747 | CLR | 20 | | | 123 | 53 | 25 | 20 | 24 | G34 | 992 | AC E-S | MR |
| SA | 1849 | CLR | 20 | | | 121 | 53 | 26 | 22 | 13 | G29 | 991 | 807 | MR |
| SA | 1953 | CLR | 20 | | | 135 | 51 | 29 | 21 | 17 | G24 | 995 | FEW AC | MR |
| SA | 2048 | CLR | 20 | | | 145 | 49 | 33 | 25 | 13 | | 998 | FEW AC | MR |
| SA | 2149 | CLR | 20 | | | 144 | 47 | 33 | 23 | 14 | | 998 | 124 60 | MR |
| SA | 2245 | CLR | 20 | | | 152 | 44 | 32 | 33 | 05 | | 000 | | MR |
| SA | 2350 | CLR | 20 | | | 158 | 41 | 32 | 03 | 08 | | 002 | | MR |

A synoptic observation, in WMO code format FM12-VII, is entered on line following related aviation observation.

FM12-VII: Iliii $i_R i_x$hVV Nddff $1s_n$TTT $2s_n T_d T_d T_d$ $3P_oP_oP_oP_o$ 4PPPP 5appp 6RRR$t_R$ 7ww$W_1W_2$ $8N_hC_LC_MC_H$

SUPERSEDES MF1-10A (10-78) WHICH MAY BE USED.

☆ U.S. G.P.O. 1982-564-008/1123

MF1-10B (1-82)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK NEVADA

DATE: 12 DEC 1983

To convert LST to GMT ADD 8 hrs. SUBTRACT ___ hrs.

| TIME (L.S.T.) 16 | STATION PRESSURE (Ins.) 17 | DRY BULB (°F) 18 | WET BULB (°F) 19 | REL. HUMIDITY (%) 20 | TOTAL SKY COVER 21 | LOWEST LAYER AMT. 22 | LOWEST LAYER TYPE 23 | LOWEST LAYER HEIGHT 24 | SECOND LAYER AMT. 25 | SECOND LAYER TYPE 26 | SECOND LAYER HEIGHT 27 | SUMMATION TOTAL 28 | THIRD LAYER AMT. 29 | THIRD LAYER TYPE 30 | THIRD LAYER HEIGHT 31 | SUMMATION TOTAL 32 | FOURTH LAYER AMT. 33 | FOURTH LAYER TYPE 34 | FOURTH LAYER HEIGHT 35 | TOTAL OPAQUE SKY COVER 36 | PRESSURE TENDENCY 37 | NET 3-HR. CHANGE (Ins.) 38 | SUNSHINE (Min.) 39 | PRECIPITATION (Ins.) 40 | HR. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00 49 | 26.625 | 41.4 | 37.0 | 67 | 0 | | | | | | | | | | | | | | | 0 | 2 | .050 | | | 00-01 |
| 01 50 | 26.630 | 38.4 | 35.0 | 73 | 0 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 51 | 26.635 | 35.3 | 33.1 | 81 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 49 | 26.655 | 34.7 | 33.0 | 85 | 0 | | | | | | | | | | | | | | | 0 | 3 | .030 | | | 03-04 |
| 04 52 | 26.680 | 30.6 | 29.4 | 87 | 0 | | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 05 48 | 26.690 | 36.9 | 32.0 | 60 | 0 | | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 06 47 | 26.720 | 40.0 | 31.7 | 39 | 0 | | | | | | | | | | | | | | | 0 | 3 | .065 | | | 06-07 |
| 07 51 | 26.760 | 40.6 | 32.0 | 37 | 0 | | | | | | | | | | | | | | | 0 | | | | | 07-08 |
| 08 48 | 26.780 | 46.0 | 35.0 | 30 | 0 | | | | | | | | | | | | | | | 0 | | | | | 08-09 |
| 09 46 | 26.795 | 49.1 | 37.2 | 29 | 0 | 0 | CI | 300 | | | | | | | | | | | | 0 | 1 | .025 | | | 09-10 |
| 10 47 | 26.790 | 50.0 | 37.4 | 27 | 0 | | | | | | | | | | | | | | | 0 | | | | | 10-11 |
| 11 49 | 26.775 | 51.0 | 37.9 | 26 | 0 | | | | | | | | | | | | | | | 0 | | | | | 11-12 |
| 12 50 | 26.770 | 52.4 | 38.2 | 22 | 0 | 0 | ACSL | 200 | | | | | | | | | | | | 0 | 6 | .025 | | | 12-13 |
| 13 52 | 26.755 | 53.8 | 38.6 | 19 | 1 | | | | | | | | | | | | | | | 0 | | | | | 13-14 |
| 14 50 | 26.730 | 54.0 | 38.4 | 18 | 7 | | | | | | | | | | | | | | | 0 | | | | | 14-15 |
| 15 51 | 26.745 | 53.9 | 38.6 | 19 | 10 | 10 | CS | 250 | | | | | | | | | | | | 4 | 5 | .025 | | | 15-16 |
| 16 49 | 26.770 | 46.2 | 35.5 | 32 | 10 | | | | | | | | | | | | | | | 4 | | | | | 16-17 |
| 17 51 | 26.790 | 45.9 | 34.8 | 29 | 7 | | | | | | | | | | | | | | | 1 | | | | | 17-18 |
| 18 51 | 26.810 | 43.8 | 33.7 | 32 | 8 | 8 | CS | 250 | | | | | | | | | | | | 1 | 2 | .065 | | | 18-19 |
| 19 53 | 26.830 | 44.9 | 34.7 | 33 | 10 | | | | | | | | | | | | | | | 2 | | | | | 19-20 |
| 20 51 | 26.830 | 44.5 | 34.2 | 32 | 10 | | | | | | | | | | | | | | | 4 | | | | | 20-21 |
| 21 49 | 26.835 | 42.2 | 32.9 | 35 | 6 | 6 | CI | 250 | | | | | | | | | | | | 2 | 1 | .025 | | | 21-22 |
| 22 45 | 26.825 | 39.7 | 31.7 | 41 | 10 | | | | | | | | | | | | | | | 4 | | | | | 22-23 |
| 23 47 | 26.815 | 36.7 | 30.0 | 45 | 8 | | | | | | | | | | | | | | | 2 | | | | | 23-24 |

## SYNOPTIC OBSERVATIONS

| TIME (G.M.T.) 41 | TIME (L.S.T.) 42 | NO. 43 | PRECIP. (Ins.) 44 | SNOW FALL (Ins.) 45 | SNOW DEPTH (Ins.) 46 | MAX. TEMP. (°F) 47 | MIN. TEMP. (°F) 48 | 49 | STATE OF GRND. 50 | 51 | 52 | 53 | 54 | 55 | SOIL TEMP. 56 | 57 | 58 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MID. TO 0343 | X | 0 | 0 | X | <11 | 33 | X | X | | | | | | X | | |
| | 0343 | 1 | 0 | 0 | 0 | 47 | 33 | | 0 | | | | | | | | |
| | 0942 | 2 | 0 | 0 | 0 | 50 | 30 | | 0 | | | | | | | | |
| | 1544 | 3 | 0 | 0 | 0 | 56 | 49 | | 0 | | | | | | | | |
| | 2143 | 4 | 0 | 0 | 0 | 54 | 42 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 42 | 36 | X | X | | | | | | X | | |

### STATION PRESSURE COMPUTATIONS

| TIME (L.S.T.) 59 | 0349 | 0946 | 1550 | 2148 |
|---|---|---|---|---|
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.635 | 26.745 | 26.745 | 26.835 |
| BAROGRAPH 64 | 26.640 | 26.740 | 26.775 | 26.835 |
| BAR. CORR. 65 | +.005 | +.005 | -.030 | 0 |

## SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

| 24-HR. MAX. TEMP. (°F) 66 | 24-HR. MIN. TEMP. (°F) 67 | 24-HR. PRECIP. WATER EQUIV. (Ins.) 68 | 24-HR. SNOWFALL UNMLTD (Ins.) 69 | SNOW DEPTH (Ins.) 70 | PEAK WIND SPEED (Kts.) 71 | PEAK WIND DIRECTION 72 | PEAK WIND TIME (L.S.T.) 73 | THICKNESS OF ICE ON WATER (Ins.) 74 | FROZEN GROUND LAYER TOP 75 | FROZEN GROUND LAYER BASE 76 | RIVER GAGE 77 | SKY COVER SUNRISE TO SUNSET 78 | SKY COVER MIDNIGHT TO MIDNIGHT 79 | WATER EQUIV. (Ins.) 80 | 81 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 56 | 30 | 0 | 0 | 0 | 20 | NE | 1354 1/ | | | | | 2 | 4 | | |

## WEATHER & OBSTRUCTIONS TO VISION

| TYPE 82 | BEGAN 83 | ENDED 84 | TYPE 86 | BEGAN 87 | ENDED 88 |
|---|---|---|---|---|---|
| | | | | | |

## 90. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE SUNSET

TOTAL SUNSHINE (MIN.) PERCENT OF POSSIBLE SUNSHINE CHARACTER OF SUNRISE CHARACTER OF SUNSET

FASTEST OBSERVED 1-MINUTE WIND SPEED M.P.H. OR FASTEST MILE M.P.H. ASSOCIATED DIRECTION TIME

TIME CHECK - CLOCK AT: 0936 PST ± 1 Sec. / 1754 P ± 1 Sec. / ± Sec.

1/ LAST OF SEVERAL OCCURENCES

SP=00
RS=00

MF1-10A
(1-82)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

STATION **WSMO, DESERT ROCK NEVADA**

DATE **12 DEC 1983**

TO CONVERT LST TO GMT ADD 8 hrs. SUBTRACT ____ hrs.

## SURFACE WEATHER OBSERVATIONS

| TYPE (1) | TIME (LST) (2) | SKY AND CEILING (Hundreds of Feet) (3) | VISIBILITY (Miles) SURFACE (4) | VISIBILITY (Miles) TOWER (4a) | WEATHER AND OBSTRUCTIONS TO VISION (5) | SEA LEVEL PRESS. (Mb) (6) | TEMP (°F) (7) | DEW PT. (°F) (8) | WIND DIRECTION (100-360) (9) | WIND SPEED (Kts) (10) | WIND CHARACTER (11) | ALTIMETER SETTING (Ins.) (12) | REMARKS AND SUPPLEMENTAL CODED DATA (13) | OBSERVER'S INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0049 | CLR | 20 | | | 162 | 41 | 31 | 03 | 07 | | 004 | 217 | MR |
| SA | 0150 | CLR | 20 | | | 165 | 38 | 30 | 13 | 03 | | 004 | | MR |
| SA | 0251 | CLR | 20 | | | 168 | 35 | 30 | 04 | 04 | | 005 | | MR |
| SA | 0349 | CLR | 20 | | | 178 | 35 | 31 | 07 | 03 | | 008 | 310 33 RADAT 22072 | SEA |
| SA | 0452 | CLR | 20 | | | 192 | 31 | 27 | 00 | 00 | | 010 | | SEA |
| SA | 0548 | CLR | 20 | | | 192 | 37 | 24 | 29 | 12 | 916 | 011 | | SEA |
| SA | 0647 | CLR | 20 | | | 202 | 40 | 17 | 24 | 03 | | 015 | 322 | SEA |
| SA | 0751 | CLR | 20 | | | 214 | 41 | 16 | 10 | 01 | | 018 | | SEA |
| SA | 0848 | CLR | 20 | | | 223 | 46 | 16 | 21 | 02 | | 021 | FEW CI | SEA |
| SA | 0946 | CLR | 20 | | | 229 | 49 | 18 | 16 | 03 | | 023 | FEW CI/ 125 1001 30 | SEA |
| SA | 1047 | CLR | 20 | | | 227 | 50 | 17 | 06 | 04 | | 022 | FEW CI | SEA |
| SA | 1149 | CLR | 20 | | | 224 | 51 | 17 | 08 | 04 | | 021 | FEW CI | SEA |
| SA | 1250 | CLR | 20 | | | 220 | 52 | 15 | 00 | 00 | | 020 | ACSL SE AND NW / 608 1040 | SEA |
| SA | 1352 | 250-SCT | 20 | | | 217 | 54 | 13 | 05 | 10 | | 019 | ACSL W | SEA |
| SA | 1450 | 250-BKN | 20 | | | 208 | 54 | 12 | 02 | 10 | | 016 | | SEA |
| SA | 1551 | 250-OVC | 20 | | | 214 | 54 | 13 | 06 | 04 | | 017 | 508 1007 56 RADAT 24084 | MR |
| SA | 1649 | 250-OVC | 20 | | | 231 | 46 | 18 | 03 | 05 | | 020 | | MR |
| SA | 1751 | 250-BKN | 20 | | | 235 | 46 | 16 | 05 | 08 | | 022 | | MR |
| SA | 1851 | 250-BKN | 20 | | | 243 | 44 | 16 | 05 | 07 | | 024 | 222 1006 | MR |
| SA | 1953 | 250-OVC | 20 | | | 249 | 45 | 18 | 09 | 06 | | 026 | | MR |
| SA | 2051 | 250-OVC | 20 | | | 245 | 45 | 16 | 10 | 04 | | 026 | | MR |
| SA | 2149 | 250-BKN | 20 | | | 248 | 42 | 16 | 36 | 04 | | 027 | 108 1001 56 | MR |
| SA | 2245 | 250-OVC | 20 | | | 244 | 40 | 18 | 12 | 03 | | 026 | | MR |
| SA | 2347 | 250-BKN | 20 | | | 242 | 37 | 18 | 11 | 03 | | 025 | | MR |

A synoptic observation, in WMO code format FM12-VII, is entered on line following related aviation observation.

FM12-VII: IIiii $i_R i_x hVV$ Nddff $1s_nTTT$ $2s_nT_dT_dT_d$ $3P_oP_oP_oP_o$ 4PPPP 5appp $6RRRt_R$ $7wwW_1W_2$ $8N_hC_LC_MC_H$

☆ U.S. G.P.O. 1982-564-008/1123

SUPERSEDES MF1-10A (10-78) WHICH MAY BE USED.

MF1-10B (1-82)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK NEVADA

DATE: 13 DEC 1983

To convert LST to GMT ADD 8 hrs. SUBTRACT ____ hrs.

| TIME (L.S.T.) 16 | STATION PRESSURE (Ins.) 17 | DRY BULB (°F) 18 | WET BULB (°F) 19 | REL. HUMIDITY (%) 20 | TOTAL SKY COVER 21 | CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT. 22 | LOWEST LAYER TYPE 23 | LOWEST LAYER HEIGHT 24 | SECOND LAYER AMT. 25 | SECOND LAYER TYPE 26 | SECOND LAYER HEIGHT 27 | SUMMATION TOTAL 28 | THIRD LAYER AMT. 29 | THIRD LAYER TYPE 30 | THIRD LAYER HEIGHT 31 | SUMMATION TOTAL 32 | FOURTH LAYER AMT. 33 | FOURTH LAYER TYPE 34 | FOURTH LAYER HEIGHT 35 | TOTAL OPAQUE SKY COVER 36 | PRESSURE TENDENCY 37 | NET 3-HR. CHANGE (Ins.) 38 | SUNSHINE (Min.) 39 | PRECIPITATION (Ins.) 40 | HR. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00 50 | 26.815 | 36.3 | 30.1 | 49 | 7 | 7 | Ci | 250 | | | | | | | | | | | | 2 | 6 | .020 | | | 00-01 |
| 01 47 | 26.810 | 35.0 | 29.2 | 50 | 6 | | | | | | | | | | | | | | | 2 | | | | | 01-02 |
| 02 51 | 26.810 | 32.2 | 27.8 | 58 | 2 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 51 | 26.800 | 31.0 | 27.0 | 60 | 0 | | | | | | | | | | | | | | | 0 | 7 | .015 | | | 03-04 |
| 04 51 | 26.800 | 31.0 | 27.2 | 62 | 0 | | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 05 47 | 26.790 | 32.1 | 29.0 | 70 | 5 | | | | | | | | | | | | | | | 1 | | | | | 05-06 |
| 06 49 | 26.810 | 31.1 | 27.4 | 65 | 10 | 1 | AC | 120 | 10 | CS | 250 | 10 | | | | | | | | 3 | 3 | .010 | | | 06-07 |
| 07 50 | 26.810 | 34.0 | 29.5 | 60 | 9 | | | | | | | | | | | | | | | 4 | | | | | 07-08 |
| 08 50 | 26.815 | 43.2 | 33.0 | 30 | 5 | | | | | | | | | | | | | | | 1 | | | | | 08-09 |
| 09 49 | 26.820 | 46.5 | 35.3 | 29 | 10 | 0 | AC | 100 | 10 | CI | 250 | 10 | | | | | | | | 2 | 3 | .010 | | | 09-10 |
| 10 49 | 26.800 | 51.0 | 37.4 | 23 | 10 | | | | | | | | | | | | | | | 2 | | | | | 10-11 |
| 11 51 | 26.760 | 53.1 | 38.6 | 22 | 10 | | | | | | | | | | | | | | | 2 | | | | | 11-12 |
| 12 45 | 26.740 | 55.0 | 40.1 | 23 | 10 | 0 | CU | 65 | 10 | CI | 250 | 10 | | | | | | | | 2 | 7 | .080 | | | 12-13 |
| 13 50 | 26.720 | 56.0 | 39.8 | 19 | 10 | | | | | | | | | | | | | | | 2 | | | | | 13-14 |
| 14 50 | 26.700 | 56.0 | 39.8 | 19 | 10 | | | | | | | | | | | | | | | 2 | | | | | 14-15 |
| 15 52 | 26.710 | 54.6 | 39.3 | 20 | 10 | 0 | SC | 60 | 0 | AC | 120 | 0 | 10 | Ci | 250 | 10 | | | | 3 | 5 | .030 | | | 15-16 |
| 16 48 | 26.725 | 49.7 | 37.0 | 26 | 10 | | | | | | | | | | | | | | | 3 | | | | | 16-17 |
| 17 48 | 26.735 | 45.0 | 35.2 | 35 | 6 | | | | | | | | | | | | | | | 1 | | | | | 17-18 |
| 18 49 | 26.730 | 45.8 | 35.3 | 32 | 7 | 6 | AC | E120 | 1 | Ci | 250 | 7 | | | | | | | | 5 | 0 | .020 | | | 18-19 |
| 19 46 | 26.715 | 45.3 | 35.5 | 36 | 10 | | | | | | | | | | | | | | | 4 | | | | | 19-20 |
| 20 51 | 26.725 | 44.3 | 34.9 | 37 | 10 | | | | | | | | | | | | | | | 3 | | | | | 20-21 |
| 21 49 | 26.740 | 43.7 | 34.8 | 39 | 7 | 4 | AC | 140 | 3 | Ci | 250 | 7 | | | | | | | | 3 | 3 | .010 | | | 21-22 |
| 22 46 | 26.745 | 45.1 | 36.3 | 42 | 10 | | | | | | | | | | | | | | | 9 | | | | | 22-23 |
| 23 49 | 26.730 | 48.9 | 41.6 | 55 | 9 | | | | | | | | | | | | | | | 8 | | | | | 23-24 |

## SYNOPTIC OBSERVATIONS

| TIME (G.M.T.) 41 | TIME (L.S.T.) 42 | NO. 43 | PRECIP. (Ins.) 44 | SNOW FALL (Ins.) 45 | SNOW DEPTH (Ins.) 46 | MAX. TEMP. (°F) 47 | MIN. TEMP. (°F) 48 | 49 | STATE OF GRND. 50 | 51 | 52 | 53 | 54 | 55 | SOIL TEMP. 56 | 57 | 58 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MID. TO 0345 | | 0 | 0 | | 37 | 30 | | | | | | | | | | |
| | 0345 | 1 | 0 | 0 | 0 | 42 | 30 | | 0 | | | | | | | | |
| | 0943 | 2 | 0 | 0 | 0 | 47 | 30 | | 0 | | | | | | | | |
| | 1545 | 3 | 0 | 0 | 0 | 57 | 47 | | 0 | | | | | | | | |
| | 2144 | 4 | 0 | 0 | 0 | 55 | 43 | | 0 | | | | | | | | |
| | MID. | | 0 | 0 | 0 | 49 | 43 | | | | | | | | | | |

## STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0350 | 0949 | 1551 | 2148 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.800 | 26.800 | 26.710 | 26.740 |
| BAROGRAPH 64 | 26.790 | 26.810 | 26.730 | 26.745 |
| BAR. CORR. 65 | +.010 | +.010 | -.020 | -.005 |

## SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

| 24-HR. MAX. TEMP. (°F) 66 | 24-HR. MIN. TEMP. (°F) 67 | 24-HR. PRECIP. WATER EQUIV. (Ins.) 68 | 24-HR. SNOWFALL UNMLTD (Ins.) 69 | SNOW DEPTH (Ins.) 70 | PEAK WIND SPEED (Kts.) 71 | PEAK WIND DIRECTION 72 | PEAK WIND TIME (L.S.T.) 73 | THICKNESS OF ICE ON WATER (Ins.) 74 | FROZEN GROUND LAYER (Ins.) TOP 75 | FROZEN GROUND LAYER (Ins.) BASE 76 | RIVER GAGE 77 | SKY COVER SUNRISE TO SUNSET 78 | SKY COVER MIDNIGHT TO MIDNIGHT 79 | WATER EQUIV. (Ins.) 80 | 81 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 57 | 30 | 0 | 0 | 0 | 15 | NE | 2332 | | | | | 9 | 8 | | |

## WEATHER & OBSTRUCTIONS TO VISION

| TYPE 82 | BEGAN 83 | ENDED 84 | TYPE 86 | BEGAN 87 | ENDED 88 |
|---|---|---|---|---|---|
| | | | | | |

## 90. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE SUNSET

TOTAL SUNSHINE (MIN.) | PERCENT OF POSSIBLE SUNSHINE | CHARACTER OF SUNRISE | CHARACTER OF SUNSET

FASTEST OBSERVED 1-MINUTE WIND SPEED M.P.H. OR FASTEST MILE M.P.H. | ASSOCIATED DIRECTION | TIME

TIME CHECK - CLOCK AT: 1429PST ① 1 Sec./ 1651P ① 0 Sec./ ± Sec.

1946P/SKY 1946P 0351P/30/0451P

BAROGRAPH CHANGED AND RESET TO ZERO CORR. 1847P

SP=00
RS=00

MF1-10A (11-82)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

STATION USMO, DESERT ROCK NEVADA

# SURFACE WEATHER OBSERVATIONS

DATE 13 DEC 1983

TO CONVERT LST TO GMT ADD 8 hrs. SUBTRACT ____ hrs.

| TYPE (1) | TIME (2) | SKY AND CEILING (Hundreds of Feet) (3) | VISIBILITY (Miles) SURFACE (4) | VISIBILITY (Miles) TOWER (4a) | WEATHER AND OBSTRUCTIONS TO VISION (5) | SEA LEVEL PRESS. (6) | TEMP (7) | DEW PT (8) | WIND DIRECTION (9) | WIND SPEED (10) | WIND GUSTS (11) | ALTIMETER SETTING (12) | REMARKS AND SUPPLEMENTAL CODED DATA (13) | SEQ. NO. (14) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0050 | 250 - BKN | 20 | | | 240 | 36 | 19 | 09 | 04 | | 025 | 607 1001 | MR |
| SA | 0147 | 250 - BKN | 20 | | | 238 | 35 | 18 | 07 | 02 | | 024 | | MR |
| SA | 0251 | 250 - SCT | 20 | | | 240 | 32 | 19 | 00 | 00 | | 024 | | MR |
| SA | 0351 | CLR | 20 | | | 238 | 31 | 19 | 00 | 00 | | 024 | 705 3X RADAT 73101 | SEA |
| SA | 0451 | CLR | 20 | | | 242 | 31 | 19 | 00 | 00 | | 024 | | SEA |
| SA | 0547 | 250 - SCT | 20 | | | 238 | 32 | 23 | 00 | 00 | | 023 | | SEA |
| SA | 0649 | 120 SCT 250 - OVC | 20 | | | 248 | 31 | 20 | 00 | 00 | | 025 | 303 1077 | SEA |
| SA | 0750 | 100 SCT 250 - BKN | 20 | | | 245 | 34 | 21 | 00 | 00 | | 025 | | SEA |
| SA | 0850 | 250 - SCT | 20 | | | 242 | 43 | 14 | 00 | 00 | | 025 | FEW AC | SEA |
| SA | 0949 | 250 - OVC | 20 | | | 243 | 47 | 16 | 23 | 01 | | 026 | FEW AC / 303 1071 30 | SEA |
| SA | 1049 | 250 - OVC | 20 | | | 234 | 51 | 15 | 00 | 00 | | 024 | RADAT 76106 | SEA |
| SA | 1151 | 250 - OVC | 20 | | | 220 | 53 | 15 | 20 | 04 | | 019 | FEW CU | SEA |
| SA | 1245 | 250 - OVC | 20 | | | 211 | 55 | 18 | 19 | 07 | | 017 | FEW CU / 727 1101 | SEA |
| SA | 1350 | 100 SCT 250 - OVC | 20 | | | 203 | 56 | 14 | 22 | 10 | | 015 | ACSL N FEW CU OMTNS SE | SEA |
| SA | 1450 | 250 - OVC | 20 | | | 197 | 56 | 14 | 21 | 07 | | 013 | FEW CU / AC | SEA |
| SA | 1552 | 250 - OVC | 20 | | | 202 | 55 | 15 | 23 | 04 | | 013 | 510 1471 57 RADAT 69105 | MR |
| SA | 1648 | 250 - OVC | 20 | | | 211 | 50 | 16 | 20 | 03 | | 015 | FEW SC AC | MR |
| SA | 1748 | 250 - BKN | 20 | | | 218 | 45 | 19 | 04 | 05 | | 016 | FEW AC | MR |
| SA | 1849 | E120 BKN 250 BKN | 20 | | | 216 | 46 | 18 | 25 | 02 | | 015 | 007 1051 | MR |
| SA | 1946 | 140 ~~120~~ SCT 250 - OVC | 20 | | | 208 | 45 | 20 | 24 | 02 | | 014 | | MR |
| SA | 2051 | 140 SCT 250 - OVC | 20 | | | 207 | 44 | 20 | 13 | 06 | | 015 | | MR |
| SA | 2149 | 140 SCT 250 - BKN | 20 | | | 212 | 44 | 21 | 32 | 03 | | 016 | 303 1031 57 | MR |
| SA | 2246 | E80 BKN 140 OVC | 20 | | | 210 | 45 | 23 | 18 | 04 | | 017 | | MR |
| SA | 2349 | E80 BKN 140 BKN | 20 | | | 201 | 49 | 33 | 05 | 10 | | 015 | | MR |

A synoptic observation, in WMO code format FM12-VII, is entered on line following related aviation observation.

FM12-VII: Iliii $i_R i_x$hVV Nddff $1s_nTTT$ $2s_nT_dT_dT_d$ $3P_oP_oP_oP_o$ 4PPPP 5appp 6RRR$t_R$ 7wwW$_1$W$_2$ 8$N_hC_LC_MC_H$

SUPERSEDES MF1-10A (10-78) WHICH MAY BE USED.

☆ U.S. G.P.O. 1982-564-008/1123

MF1-10B (1-82)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK NEVADA

DATE: 14 DEC 1983

To convert LST to GMT ADD 8 hrs. SUBTRACT hrs.

| TIME (L.S.T.) 16 | STATION PRESSURE (Ins.) 17 | DRY BULB (°F) 18 | WET BULB (°F) 19 | REL. HUMIDITY (%) 20 | TOTAL SKY COVER 21 | LOWEST LAYER AMT. 22 | LOWEST LAYER TYPE 23 | LOWEST LAYER HEIGHT 24 | SECOND LAYER AMT. 25 | SECOND LAYER TYPE 26 | SECOND LAYER HEIGHT 27 | SUMMATION TOTAL 28 | THIRD LAYER AMT. 29 | THIRD LAYER TYPE 30 | THIRD LAYER HEIGHT 31 | SUMMATION TOTAL 32 | FOURTH LAYER AMT. 33 | FOURTH LAYER TYPE 34 | FOURTH LAYER HEIGHT 35 | TOTAL OPAQUE SKY COVER 36 | PRESSURE TENDENCY 37 | NET 3-HR. CHANGE (Ins.) 38 | SUNSHINE (Min.) 39 | PRECIPITATION (Ins.) 40 | HR. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00 51 | 26.735 | 46.4 | 40.4 | 60 | 0 | 0 | Ac | 80 | 0 | Ac | 140 | 0 | | | | | | | | 0 | 5 | .005 | | | 00-01 |
| 01 49 | 26.735 | 46.9 | 40.2 | 57 | 0 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 48 | 26.740 | 46.9 | 40.4 | 58 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 48 | 26.725 | 43.9 | 38.7 | 64 | 0 | 0 | Ci | 250 | | | | | | | | | | | | 0 | 8 | .010 | | | 03-04 |
| 04 50 | 26.705 | 41.0 | 37.4 | 76 | 0 | | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 05 47 | 26.710 | 41.0 | 37.6 | 74 | 0 | | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 06 50 | 26.715 | 36.9 | 34.7 | 82 | 2 | 0 | Cu | 50 | 2 | Ci | 200 | 2 | | | | | | | | 0 | 5 | .010 | | | 06-07 |
| 07 46 | 26.715 | 42.9 | 39.1 | 73 | 2 | | | | | | | | | | | | | | | 0 | | | | | 07-08 |
| 08 48 | 26.710 | 48.7 | 41.9 | 58 | 1 | | | | | | | | | | | | | | | 0 | | | | | 08-09 |
| 09 48 | 26.730 | 52.2 | 43.4 | 52 | 0 | 0 | Cu | 40 | 0 | Ac | 90 | 0 | 0 | Ci | 200 | 0 | | | | 0 | 3 | .015 | | | 09-10 |
| 10 49 | 26.700 | 56.6 | 46.1 | 45 | 0 | | | | | | | | | | | | | | | 0 | | | | | 10-11 |
| 11 48 | 26.660 | 57.2 | 46.7 | 46 | 0 | | | | | | | | | | | | | | | 0 | | | | | 11-12 |
| 12 49 | 26.630 | 60.5 | 47.6 | 38 | 1 | 0 | Sc | 40 | 1 | Ac | 70 | 1 | | | | | | | | 1 | 8 | .100 | | | 12-13 |
| 13 47 | 26.620 | 60.8 | 47.8 | 38 | 1 | | | | | | | | | | | | | | | 1 | | | | | 13-14 |
| 14 50 | 26.615 | 61.3 | 48.0 | 37 | 1 | | | | | | | | | | | | | | | 1 | | | | | 14-15 |
| 15 48 | 26.610 | 60.4 | 47.6 | 39 | 1 | 1 | Sc | 40 | | | | | | | | | | | | 1 | 6 | .020 | | | 15-16 |
| 16 50 | 26.620 | 55.2 | 46.5 | 53 | 1 | | | | | | | | | | | | | | | 1 | | | | | 16-17 |
| 17 52 | 26.630 | 51.1 | 43.0 | 52 | 0 | | | | | | | | | | | | | | | 0 | | | | | 17-18 |
| 18 45 | 26.630 | 49.0 | 42.2 | 58 | 0 | | | | | | | | | | | | | | | 0 | 1 | .020 | | | 18-19 |
| 19 48 | 26.640 | 46.0 | 40.3 | 62 | 0 | | | | | | | | | | | | | | | 0 | | | | | 19-20 |
| 20 49 | 26.640 | 44.2 | 38.6 | 61 | 0 | | | | | | | | | | | | | | | 0 | | | | | 20-21 |
| 21 47 | 26.640 | 48.4 | 41.2 | 55 | 0 | | | | | | | | | | | | | | | 0 | 1 | .010 | | | 21-22 |
| 22 49 | 26.640 | 43.3 | 37.5 | 59 | 0 | | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 23 49 | 26.640 | 39.7 | 36.5 | 75 | 0 | | | | | | | | | | | | | | | 0 | | | | | 23-24 |

CLOUDS AND OBSCURING PHENOMENA

## SYNOPTIC OBSERVATIONS

| TIME (G.M.T.) 41 | TIME (L.S.T.) 42 | NO. 43 | PRECIP. (Ins.) 44 | SNOW FALL (Ins.) 45 | SNOW DEPTH (Ins.) 46 | MAX. TEMP. (°F) 47 | MIN. TEMP. (°F) 48 | 49 | STATE OF GRND. 50 | 51 | 52 | 53 | 54 | 55 | SOIL TEMP. 56 | 57 | 58 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MID. TO 0343 | X | 0 | 0 | X | 49 | 43 | X | X | | | | | | X | | |
| | 0343 | 1 | 0 | 0 | 0 | 49 | 43 | | 0 | | | | | | | | |
| | 0943 | 2 | 0 | 0 | 0 | 52 | 36 | | 0 | | | | | | | | |
| | 1544 | 3 | 0 | 0 | 0 | 62 | 52 | | 0 | | | | | | | | |
| | 2144 | 4 | 0 | 0 | 0 | 60 | 43 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 48 | 40 | X | X | | | | | | X | | |

STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0347 | 0947 | 1548 | 2147 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.725 | 26.730 | 26.610 | 26.640 |
| BAROGRAPH 64 | 26.730 | 26.730 | 26.620 | 26.640 |
| BAR. CORR. 65 | -.005 | 0 | +.010 | 0 |

## SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

| 24-HR. MAX. TEMP. (°F) 66 | 24-HR. MIN. TEMP. (°F) 67 | 24-HR. PRECIP. WATER EQUIV. (Ins.) 68 | 24-HR. SNOWFALL UNMLTD (Ins.) 69 | SNOW DEPTH (Ins.) 70 | PEAK WIND SPEED (Kts.) 71 | PEAK WIND DIRECTION 72 | PEAK WIND TIME (L.S.T.) 73 | THICKNESS OF ICE ON WATER (Ins.) 74 | FROZEN GROUND LAYER (Ins.) TOP 75 | FROZEN GROUND LAYER (Ins.) BASE 76 | RIVER GAGE 77 | SKY COVER SUNRISE TO SUNSET 78 | SKY COVER MIDNIGHT TO MIDNIGHT 79 | WATER EQUIV. (Ins.) 80 | 81 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 62 | 36 | 0 | 0 | 0 | 18 | SW | 1701 | | | | | 1 | 0 | | |

WEATHER & OBSTRUCTIONS TO VISION

| TYPE 82 | BEGAN 83 | ENDED 84 | TYPE 86 | BEGAN 87 | ENDED 88 |
|---|---|---|---|---|---|
| | | | | | |

## 90. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE SUNSET

TOTAL SUNSHINE (MIN.) | PERCENT OF POSSIBLE SUNSHINE | CHARACTER OF SUNRISE | CHARACTER OF SUNSET

FASTEST OBSERVED 1-MINUTE WIND SPEED M.P.H. OR FASTEST MILE M.P.H. | ASSOCIATED DIRECTION | TIME

TIME CHECK-CLOCK AT: 0547P ±0 Sec./ 1810P ±0 Sec./ ± Sec.

1650P/1710P

RS = 0

SP = 0

MF1-10B (1-82) SUPERSEDES MF1-10B (2-79) WHICH MAY BE USED.

☆U.S. G.P.O. 1982-564-008/1034

MF1-10A (1-82)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK NEVADA

DATE: 14 DEC 1983

TO CONVERT LST TO GMT ADD 8 hrs. SUBTRACT ____ hrs.

| TYPE (1) | TIME (LST) (2) | SKY AND CEILING (Hundreds of Feet) (3) | VISIBILITY (Miles) SURFACE (4) | VISIBILITY (Miles) TOWER (4a) | WEATHER AND OBSTRUCTIONS TO VISION (5) | SEA LEVEL PRESS. (Mbs.) (6) | TEMP. (°F) (7) | DEW PT. (°F) (8) | WIND DIRECTION (00-36) (9) | WIND SPEED (Kts.) (10) | WIND CHARACTER (11) | ALTIMETER SETTING (Ins.) (12) | REMARKS AND SUPPLEMENTAL CODED DATA (13) | OBSERVER'S INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0051 | CLR | 20 | | | 203 | 46 | 33 | 21 | 04 | | 016 | 502 1070 | MR |
| SA | 0149 | CLR | 20 | | | 202 | 47 | 32 | 21 | 02 | | 016 | FEW Ac | MR |
| SA | 0248 | CLR | 20 | | | 204 | 47 | 33 | 25 | 03 | | 016 | FEW Ac | MR |
| SA | 0348 | CLR | 20 | | | 200 | 44 | 32 | 10 | 02 | | 015 | 803 1001 43 RADAT | MR |
| / | | | | | | | | | | | | | 67097 | / |
| SA | 0450 | CLR | 20 | | | 198 | 41 | 34 | 24 | 03 | | 013 | | JD |
| SA | 0547 | CLR | 20 | | | 203 | 41 | 34 | 02 | 05 | | 013 | | JD |
| SA | 0650 | 200 -SCT | 20 | | | 206 | 37 | 32 | 32 | 02 | | 014 | 503 1101 | JD |
| SA | 0746 | 200 -SCT | 20 | | | 204 | 43 | 35 | 05 | 04 | | 014 | | JD |
| SA | 0848 | 200 -SCT | 20 | | | 198 | 49 | 34 | 33 | 02 | | 013 | | JD |
| SA | 0948 | CLR | 20 | | | 204 | 52 | 35 | 23 | 03 | | 015 | ACSL E 305 1141 36 | JD |
| SA | 1049 | CLR | 20 | | | 190 | 57 | 35 | 23 | 08 | | 012 | ACSL E RADAT 80 L 101 L 06 | JD |
| SA | 1148 | CLR | 20 | | | 172 | 57 | 36 | 24 | 14 | | 007 | ACSL N | JD |
| SA | 1249 | 70 SCT | 20 | | | 159 | 61 | 35 | 25 | 13 | | 004 | ACSL N 834 1440 | JD |
| SA | 1347 | 40 SCT 70 SCT | 20 | | | 155 | 61 | 35 | 23 | 12 | | 003 | ACSL N | JD |
| SA | 1450 | 40 SCT 70 SCT | 20 | | | 154 | 61 | 35 | 21 | 10 | | 003 | ACSL N | JD |
| SA | 1548 | 40 SCT | 20 | | | 154 | 60 | 35 | 23 | 07 | | 002 | 607 1400 62 RADAT 77104 | CG |
| SA | 1650 | 40 SCT | 20 | | 163 | ~~156~~ | 55 | 38 | 13 | 06 | | 003 | | CG |
| SA | 1752 | CLR | 20 | | | 168 | 51 | 34 | 11 | 05 | | 004 | | CG |
| SA | 1845 | CLR | 20 | | | 172 | 49 | 35 | 13 | 03 | | 004 | 107 | CG |
| SA | 1948 | CLR | 20 | | | 174 | 46 | 34 | 03 | 03 | | 005 | | CG |
| SA | 2049 | CLR | 20 | | | 171 | 44 | 32 | 06 | 05 | | 005 | | CG |
| SA | 2147 | CLR | 20 | | | 166 | 48 | 33 | 14 | 07 | | 005 | 103 62 | CG |
| SA | 2249 | CLR | 20 | | | 167 | 43 | 30 | 02 | 05 | | 005 | | CG |
| SA | 2349 | CLR | 20 | | | 168 | 40 | 33 | 08 | 02 | | 005 | | CG |

A synoptic observation, in WMO code format FM12-VII, is entered on line following related aviation observation.

FM12-VII: Iliii $i_R i_x$hVV Nddff $1s_n$TTT $2s_n T_d T_d T_d$ $3P_oP_oP_oP_o$ 4PPPP 5appp $6RRRt_R$ $7wwW_1W_2$ $8N_hC_LC_MC_H$

SUPERSEDES MF1-10A (10-78) WHICH MAY BE USED.

☆ U.S. G.P.O. 1982-564-008/1123

MF1-10B
(1-82)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: 1983 DEC 15

To convert LST to GMT ADD 8 hrs. SUBTRACT ___ hrs.

| TIME (L.S.T.) 16 | STATION PRESSURE (Ins.) 17 | DRY BULB (°F) 18 | WET BULB (°F) 19 | REL. HUMIDITY (%) 20 | TOTAL SKY COVER 21 | LOWEST LAYER AMT. 22 | LOWEST LAYER TYPE 23 | LOWEST LAYER HEIGHT 24 | SECOND LAYER AMT. 25 | SECOND LAYER TYPE 26 | SECOND LAYER HEIGHT 27 | SUMMATION TOTAL 28 | THIRD LAYER AMT. 29 | THIRD LAYER TYPE 30 | THIRD LAYER HEIGHT 31 | SUMMATION TOTAL 32 | FOURTH LAYER AMT. 33 | FOURTH LAYER TYPE 34 | FOURTH LAYER HEIGHT 35 | TOTAL OPAQUE SKY COVER 36 | PRESSURE TENDENCY 37 | NET 3-HR. CHANGE (Ins.) 38 | SUNSHINE (Min.) 39 | PRECIPITATION (Ins.) 40 | HR. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00 45 | 26.620 | 41.1 | 37.4 | 72 | 0 | | | | | | | | | | | | | | | 0 | 8 | -.020 | | | 00-01 |
| 01 47 | 26.610 | 38.7 | 35.4 | 74 | 0 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 50 | 26.610 | 35.7 | 33.0 | 77 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 50 | 26.600 | 35.8 | 33.2 | 78 | 0 | | | | | | | | | | | | | | | 0 | 8 | .020 | | | 03-04 |
| 04 50 | 26.590 | 35.4 | 33.2 | 81 | 0 | | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 05 48 | 26.610 | 34.4 | 32.6 | 84 | 0 | | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 06 48 | 26.610 | 35.1 | 33.0 | 82 | 0 | 0 | Ci | 250 | | | | | | | | | | | | 0 | 3 | .010 | | | 06-07 |
| 07 48 | 26.615 | 40.6 | 36.2 | 67 | 0 | | | | | | | | | | | | | | | 0 | | | | | 07-08 |
| 08 48 | 26.625 | 47.5 | 41.8 | 63 | 2 | | | | | | | | | | | | | | | 0 | | | | | 08-09 |
| 09 50 | 26.620 | 54.4 | 44.2 | 44 | 4 | 0 | Cu | 60 | 4 | Ci | 250 | 4 | | | | | | | | 0 | 0 | .010 | | | 09-10 |
| 10 47 | 26.595 | 58.2 | 45.7 | 37 | 7 | | | | | | | | | | | | | | | 0 | | | | | 10-11 |
| 11 47 | 26.580 | 59.6 | 46.2 | 35 | 9 | | | | | | | | | | | | | | | 0 | | | | | 11-12 |
| 12 48 | 26.565 | 63.2 | 47.8 | 31 | 8 | 0 | Cu | 60 | 8 | Cs | 250 | 8 | | | | | | | | 1 | 7 | .055 | | | 12-13 |
| 13 48 | 26.550 | 64.4 | 48.4 | 30 | 9 | | | | | | | | | | | | | | | 1 | | | | | 13-14 |
| 14 50 | 26.560 | 64.1 | 48.2 | 30 | 7 | | | | | | | | | | | | | | | 0 | | | | | 14-15 |
| 15 51 | 26.560 | 65.1 | 48.0 | 26 | 3 | 0 | Cu | 60 | 3 | Cs | 250 | 3 | | | | | | | | 0 | 5 | .005 | | | 15-16 |
| 16 49 | 26.570 | 59.0 | 46.5 | 34 | 3 | | | | | | | | | | | | | | | 0 | | | | | 16-17 |
| 17 48 | 26.600 | 58.3 | 45.5 | 36 | 3 | | | | | | | | | | | | | | | 0 | | | | | 17-18 |
| 18 46 | 26.620 | 55.7 | 45.0 | 43 | 5 | 5 | Cs | 250 | | | | | | | | | | | | 0 | 3 | .060 | | | 18-19 |
| 19 50 | 26.630 | 52.3 | 43.2 | 48 | 5 | | | | | | | | | | | | | | | 0 | | | | | 19-20 |
| 20 46 | 26.650 | 51.6 | 42.7 | 48 | 3 | | | | | | | | | | | | | | | 0 | | | | | 20-21 |
| 21 46 | 26.670 | 50.0 | 42.2 | 53 | 2 | 2 | Cs | 250 | | | | | | | | | | | | 0 | 2 | .050 | | | 21-22 |
| 22 48 | 26.680 | 48.0 | 40.3 | 52 | 4 | | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 23 49 | 26.680 | 47.0 | 39.2 | 50 | 3 | | | | | | | | | | | | | | | 0 | | | | | 23-24 |

## SYNOPTIC OBSERVATIONS

| TIME (G.M.T.) 41 | TIME (L.S.T.) 42 | NO. 43 | PRECIP. (Ins.) 44 | SNOW FALL (Ins.) 45 | SNOW DEPTH (Ins.) 46 | MAX. TEMP. (°F) 47 | MIN. TEMP. (°F) 48 | 49 | STATE OF GRND. 50 | 51 | 52 | 53 | 54 | 55 | SOIL TEMP. 56 | 57 | 58 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MID. TO 0346 | | 0 | 0 | | 41 | 35 | | | | | | | | | | |
| | 0346 | 1 | 0 | 0 | 0 | 48 | 35 | | 0 | | | | | | | | |
| | 0945 | 2 | 0 | 0 | 0 | 54 | 34 | | 0 | | | | | | | | |
| | 1547 | 3 | 0 | 0 | 0 | 65 | 54 | | 0 | | | | | | | | |
| | 2143 | 4 | 0 | 0 | 0 | 65 | 50 | | 0 | | | | | | | | |
| | MID. | | 0 | 0 | 0 | 50 | 47 | | | | | | | | | | |

## STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0349 | 0949 | 1551 | 2146 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.600 | 26.620 | 26.580 | 26.670 |
| BAROGRAPH 64 | 26.600 | 26.660 | 26.580 | 26.660 |
| BAR. CORR. 65 | 0 | 0 | 0 | +.010 |

## SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

| 24-HR. MAX. TEMP. (°F) 66 | 24-HR. MIN. TEMP. (°F) 67 | 24-HR. PRECIP. WATER EQUIV. (Ins.) 68 | 24-HR. SNOWFALL UNML TD (Ins.) 69 | SNOW DEPTH (Ins.) 70 | PEAK WIND SPEED (Kts.) 71 | PEAK WIND DIRECTION 72 | PEAK WIND TIME (L.S.T.) 73 | THICKNESS OF ICE ON WATER (Ins.) 74 | FROZEN GROUND LAYER (Ins.) TOP 75 | FROZEN GROUND LAYER (Ins.) BASE 76 | RIVER GAGE 77 | SKY COVER SUNRISE TO SUNSET 78 | SKY COVER MIDNIGHT TO MIDNIGHT 79 | WATER EQUIV. (Ins.) 80 | 81 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 65 | 34 | 0 | 0 | 0 | 19 | N | 1743 | | | | | 5 | 3 | | |

## WEATHER & OBSTRUCTIONS TO VISION

| TYPE 82 | BEGAN 83 | ENDED 84 | TYPE 86 | BEGAN 87 | ENDED 88 |
|---|---|---|---|---|---|
| | | | | | |

## 90. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE SUNSET

TOTAL SUNSHINE (MIN.) PERCENT OF POSSIBLE SUNSHINE CHARACTER OF SUNRISE CHARACTER OF SUNSET

FASTEST OBSERVED 1-MINUTE WIND SPEED M.P.H. OR FASTEST MILE M.P.H. ASSOCIATED DIRECTION TIME

TIME CHECK - CLOCK AT: 0650P ± 0 Sec./ 1903P ± 0 Sec./ ± Sec.

0045P/0145P 0950P/1345P 1248P/1345P

RS=0

SP=0

MF1-10A (1-82)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: 1983 DEC 15

TO CONVERT LST TO GMT: ADD 8 hrs. SUBTRACT ____ hrs.

| TYPE (1) | TIME (LST) (2) | SKY AND CEILING (Hundreds of Feet) (3) | VISIBILITY (Miles) SURFACE (4) | VISIBILITY (Miles) TOWER (4a) | WEATHER AND OBSTRUCTIONS TO VISION (5) | SEA LEVEL PRESS (Mb) (6) | TEMP (°F) (7) | DEW PT. (°F) (8) | WIND DIRECTION (10's of Deg) (9) | WIND SPEED (Kts) (10) | WIND GUSTS (Kts) (11) | ALTIMETER SETTING (In.) (12) | REMARKS AND SUPPLEMENTAL CODED DATA (13) | OBSERVERS INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0045 | CLR | 20 | | | 159 | 37 | 33 | 35 | 02 | | 003 | 807 | CG |
| SA | 0147 | CLR | 20 | | | 156 | 39 | 31 | 07 | 04 | | 002 | | CG |
| SA | 0250 | CLR | 20 | | | 157 | 36 | 29 | 14 | 02 | | 002 | | CG |
| SA | 0350 | CLR | 20 | | | 154 | 36 | 30 | 00 | 00 | | 001 | 808 35 RADAT 35101 | JD |
| SA | 0450 | CLR | 20 | | | 155 | 35 | 30 | 13 | 02 | | 999 | | JD |
| SA | 0548 | CLR | 20 | | | 164 | 34 | 30 | 08 | 02 | | 002 | | JD |
| SA | 0648 | CLR | 20 | | | 166 | 35 | 30 | 00 | 00 | | 002 | 303 1001 | JD |
| SA | 0748 | CLR | 20 | | | 165 | 41 | 30 | 00 | 00 | | 003 | | JD |
| SA | 0848 | 250 -SCT | 20 | | | 166 | 48 | 36 | 33 | 02 | | 004 | | JD |
| SA | 0950 | 250 -SCT | 20 | | | 158 | 54 | 33 | 23 | 07 | | 003 | 003 1006 34 | JD |
| SA | 1047 | 250 -BKN | 20 | | | 149 | 58 | 32 | 23 | 10 | | 000 | | JD |
| SA | 1147 | 250 -BKN | 20 | | | 145 | 60 | 32 | 23 | 10 | | 998 | | JD |
| SA | 1248 | 250 -BKN | 20 | | | 136 | 63 | 32 | 21 | 07 | | 997 | 719 1008 | JD |
| SA | 1348 | 250 -BKN | 20 | | | 131 | 64 | 32 | 14 | 03 | | 995 | | JD |
| SA | 1450 | 250 -BKN | 20 | | | 137 | 64 | 32 | 25 | 06 | | 996 | | JD |
| SA | 1551 | 250 -SCT | 20 | | | 136 | 65 | 30 | 33 | 15 | | 996 | 502 1108 65 RAWAT 70L 084111 | CG |
| SA | 1649 | 250 -SCT | 20 | | | 143 | 59 | 31 | 34 | 10 | | 997 | | CG |
| SA | 1748 | 250 -SCT | 20 | | | 156 | 58 | 32 | 01 | 14 | | 001 | | CG |
| SA | 1846 | 250 -SCT | 20 | | | 165 | 56 | 34 | 03 | 13 | | 003 | 320 1008 | CG |
| SA | 1950 | 250 -SCT | 20 | | | 167 | 52 | 33 | 02 | 13 | | 004 | | CG |
| SA | 2046 | 250 -SCT | 20 | | | 171 | 52 | 33 | 05 | 08 | | 006 | | CG |
| SA | 2146 | 250 -SCT | 20 | | | 177 | 50 | 34 | 05 | 09 | | 008 | 217 1008 65 | CG |
| SA | 2248 | 250 -SCT | 20 | | | 179 | 48 | 31 | 04 | 12 | | 009 | | CG |
| SA | 2349 | 250 -SCT | 20 | | | 178 | 47 | 29 | 04 | 13 | | 009 | | CG |

A synoptic observation, in WMO code format FM12-VII, is entered on line following related aviation observation.

FM12-VII: Hiii $i_R i_x$hVV Nddff $1s_nTTT$ $2s_nT_dT_dT_d$ $3P_oP_oP_oP_o$ 4PPPP 5appp $6RRRt_R$ $7wwW_1W_2$ $8N_hC_LC_MC_H$

SUPERSEDES MF1-10A (10-78) WHICH MAY BE USED.

☆ U.S. G.P.O. 1982-564-008/1123

MF1-10B (1-82)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: 1983 DEC 16

To convert LST to GMT ADD 8 hrs. SUBTRACT ____ hrs.

| TIME (L.S.T.) 16 | STATION PRESSURE (Ins.) 17 | DRY BULB (°F) 18 | WET BULB (°F) 19 | REL. HUMIDITY (%) 20 | TOTAL SKY COVER 21 | LOWEST LAYER AMT. 22 | LOWEST LAYER TYPE 23 | LOWEST LAYER HEIGHT 24 | SECOND LAYER AMT. 25 | SECOND LAYER TYPE 26 | SECOND LAYER HEIGHT 27 | SUMMATION TOTAL 28 | THIRD LAYER AMT. 29 | THIRD LAYER TYPE 30 | THIRD LAYER HEIGHT 31 | SUMMATION TOTAL 32 | FOURTH LAYER AMT. 33 | FOURTH LAYER TYPE 34 | FOURTH LAYER HEIGHT 35 | TOTAL OPAQUE SKY COVER 36 | PRESSURE TENDENCY 37 | NET 3-HR. CHANGE (Ins.) 38 | SUNSHINE (Min.) 39 | PRECIPITATION (Ins.) 40 | HR. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00 51 | 26.670 | 45.0 | 38.0 | 53 | 2 | 2 | Cs | 250 | | | | | | | | | | | | 0 | 0 | .000 | | | 00-01 |
| 01 47 | 26.680 | 45.0 | 38.0 | 53 | 1 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 46 | 26.670 | 44.0 | 37.2 | 53 | 2 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 50 | 26.680 | 43.1 | 36.8 | 56 | 3 | 3 | Cs | 250 | | | | | | | | | | | | 1 | 2 | .010 | | | 03-04 |
| 04 50 | 26.680 | 39.9 | 35.5 | 66 | 7 | | | | | | | | | | | | | | | 2 | | | | | 04-05 |
| 05 48 | 26.700 | 39.8 | 34.7 | 61 | 10 | | | | | | | | | | | | | | | 4 | | | | | 05-06 |
| 06 48 | 26.720 | 40.8 | 35.7 | 62 | 10 | 3 | Ac | 180 | 7 | Cs | E250 | 10 | | | | | | | | 9 | 3 | .040 | | | 06-07 |
| 07 47 | 26.730 | 41.8 | 36.3 | 60 | 10 | | | | | | | | | | | | | | | 9 | | | | | 07-08 |
| 08 48 | 26.740 | 46.5 | 39.3 | 53 | 10 | | | | | | | | | | | | | | | 8 | | | | | 08-09 |
| 09 47 | 26.740 | 50.4 | 40.8 | 43 | 7 | 6 | Ac | E180 | 1 | Cs | 250 | 7 | | | | | | | | 5 | 1 | .020 | | | 09-10 |
| 10 47 | 26.730 | 53.2 | 42.0 | 38 | 0 | | | | | | | | | | | | | | | 0 | | | | | 10-11 |
| 11 48 | 26.700 | 54.6 | 42.8 | 37 | 1 | | | | | | | | | | | | | | | 0 | | | | | 11-12 |
| 12 48 | 26.660 | 57.1 | 43.9 | 33 | 2 | 2 | Ci | 250 | | | | | | | | | | | | 0 | 8 | .080 | | | 12-13 |
| 13 49 | 26.645 | 57.0 | 43.9 | 33 | 9 | | | | | | | | | | | | | | | 8 | | | | | 13-14 |
| 14 50 | 26.640 | 54.7 | 42.7 | 36 | 10 | | | | | | | | | | | | | | | 9 | | | | | 14-15 |
| 15 49 | 26.630 | 53.5 | 41.7 | 35 | 10 | 3 | Ac | 160 | 10 | Cs | E250 | 10 | | | | | | | | 10 | 6 | .030 | | | 15-16 |
| 16 50 | 26.620 | 50.2 | 39.0 | 34 | 10 | | | | | | | | | | | | | | | 7 | | | | | 16-17 |
| 17 48 | 26.620 | 48.3 | 38.2 | 38 | 10 | | | | | | | | | | | | | | | 7 | | | | | 17-18 |
| 18 46 | 26.620 | 48.1 | 37.8 | 37 | 10 | 4 | Ac | 160 | 10 | Cs | E250 | 10 | | | | | | | | 10 | 6 | .010 | | | 18-19 |
| 19 47 | 26.640 | 47.6 | 38.5 | 43 | 10 | | | | | | | | | | | | | | | 10 | | | | | 19-20 |
| 20 45 | 26.640 | 45.9 | 37.2 | 43 | 10 | | | | | | | | | | | | | | | 10 | | | | | 20-21 |
| 21 45 | 26.630 | 46.8 | 37.2 | 39 | 10 | 8 | Ac | E50 | 2 | Cs | 250 | 10 | | | | | | | | 10 | 0 | .010 | | | 21-22 |
| 22 45 | 26.620 | 45.2 | 36.5 | 43 | 5 | | | | | | | | | | | | | | | 5 | | | | | 22-23 |
| 23 45 | 26.620 | 41.0 | 34.3 | 51 | 3 | | | | | | | | | | | | | | | 3 | | | | | 23-24 |

## SYNOPTIC OBSERVATIONS

| TIME (G.M.T.) 41 | TIME (L.S.T.) 42 | NO. 43 | PRECIP. (Ins.) 44 | SNOW FALL (Ins.) 45 | SNOW DEPTH (Ins.) 46 | MAX. TEMP. (°F) 47 | MIN. TEMP. (°F) 48 | 49 | STATE OF GRND. 50 | 51 | 52 | 53 | 54 | 55 | SOIL TEMP. 56 | 57 | 58 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MID. TO 0345 | X | 0 | 0 | X | 47 | 41 | X | X | | | | | | X | | |
| | 0345 | 1 | 0 | 0 | 0 | 50 | 41 | | 0 | | | | | | | | |
| | 0944 | 2 | 0 | 0 | 0 | 50 | 39 | | 0 | | | | | | | | |
| | 1545 | 3 | 0 | 0 | 0 | 58 | 50 | | 0 | | | | | | | | |
| | 2142 | 4 | 0 | 0 | 0 | 54 | 44 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 47 | 41 | X | X | | | | | | X | | |

## STATION PRESSURE COMPUTATIONS

| TIME (L.S.T.) 59 | 0349 | 0946 | 1549 | 2145 |
|---|---|---|---|---|
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.680 | 26.740 | 26.630 | 26.630 |
| BAROGRAPH 64 | 26.675 | 26.735 | 26.620 | 26.620 |
| BAR. CORR. 65 | +.005 | +.005 | 0 | +.010 |

## SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

| 24-HR. MAX. TEMP. (°F) 66 | 24-HR. MIN. TEMP. (°F) 67 | 24-HR. PRECIP. WATER EQUIV. (Ins.) 68 | 24-HR. SNOWFALL UNML TO (Ins.) 69 | SNOW DEPTH (Ins.) 70 | PEAK WIND SPEED (Kts.) 71 | PEAK WIND DIRECTION 72 | PEAK WIND TIME (L.S.T.) 73 | THICKNESS OF ICE ON WATER (Ins.) 74 | FROZEN GROUND LAYER (Ins.) TOP 75 | FROZEN GROUND LAYER (Ins.) BASE 76 | RIVER GAGE 77 | SKY COVER SUNRISE TO SUNSET 78 | SKY COVER MIDNIGHT TO MIDNIGHT 79 | WATER EQUIV. (Ins.) 80 | 81 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 58 | 39 | 0 | 0 | 0 | 16 | E | 1513 | | | | | 6 | 7 | | |

## WEATHER & OBSTRUCTIONS TO VISION

| TYPE 82 | BEGAN 83 | ENDED 84 | TYPE 86 | BEGAN 87 | ENDED 88 |
|---|---|---|---|---|---|
| | | | | | |

## 90. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE SUNSET

TOTAL SUNSHINE (MIN.) | PERCENT OF POSSIBLE SUNSHINE | CHARACTER OF SUNRISE | CHARACTER OF SUNSET

FASTEST OBSERVED 1-MINUTE WIND SPEED M.P.H. OR FASTEST MILE M.P.H. | ASSOCIATED DIRECTION | TIME

TIME CHECK - CLOCK AT: 0507P ± 0 Sec./ 1735P ± 0 Sec./ ± Sec.

RS=00
SR=00

MF1-10B (1-82) SUPERSEDES MF1-10B (2-79) WHICH MAY BE USED.

☆U.S. G.P.O. 1982-564-008/1034

MF1-10A (1-82)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: 1983 DEC 16

TO CONVERT LST TO GMT: ADD 8 hrs. SUBTRACT ____ hrs.

| TYPE (1) | TIME (LST) (2) | SKY AND CEILING (Hundreds of Feet) (3) | VISIBILITY (Miles) SURFACE (4) | VISIBILITY (Miles) TOWER (4a) | WEATHER AND OBSTRUCTIONS TO VISION (5) | SEA LEVEL PRESS. (Mbs.) (6) | TEMP. (°F) (7) | DEW PT. (°F) (8) | WIND DIRECTION (100-36) (9) | WIND SPEED (Kts.) (10) | WIND CHARACTER (11) | ALTIMETER SETTING (Ins.) (12) | REMARKS AND SUPPLEMENTAL CODED DATA (13) | QC-REVIEW FLAG (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0051 | 250-SCT | 20 | | | 174 | 45 | 29 | 04 | 12 | | 008 | 000 1008 | CG |
| SA | 0147 | 250-SCT | 20 | | | 177 | 45 | 29 | 04 | 14 | | 009 | | CG |
| SA | 0246 | 250-SCT | 20 | | | 174 | 44 | 28 | 05 | 10 | | 008 | | CG |
| SA | 0350 | 250-SCT | 20 | | | 178 | 43 | 28 | 07 | 07 | | 010 | 203 1008 41 RADAT 38107 | JD |
| SA | 0450 | 250-BKN | 20 | | | 183 | 40 | 30 | 34 | 02 | | 010 | | JD |
| SA | 0548 | 250-OVC | 20 | | | 191 | 40 | 27 | 00 | 00 | | 012 | | JD |
| SA | 0648 | 180 SCT E250 OVC | 20 | | | 200 | 41 | 29 | 05 | 03 | | 014 | 314 1058 | JD |
| SA | 0747 | E180 BKN 250 OVC | 20 | | | 204 | 42 | 29 | 04 | 05 | | 015 | | JD |
| SA | 0848 | E170 BKN 250 OVC | 20 | | | 206 | 47 | 30 | 10 | 04 | | 016 | | JD |
| SA | 0947 | E180 BKN 250 BKN | 20 | | | 206 | 50 | 29 | 09 | 03 | | 016 | 107 1058 39 | JD |
| SA | 1047 | CLR | 20 | | | 201 | 53 | 28 | 13 | 07 | | 015 | AC NE-SE | JD |
| SA | 1148 | 250-SCT | 20 | | | 190 | 55 | 29 | 20 | 03 | | 012 | | JD |
| SA | 1248 | 250-SCT | 20 | | | 174 | 57 | 28 | 13 | 09 | | 007 | 827 1006 | JD |
| SA | 1349 | E240 BKN | 20 | | | 168 | 57 | 28 | 11 | 10 | | 006 | | JD |
| SA | 1450 | E230 OVC | 20 | | | 167 | 55 | 28 | 12 | 09 | | 005 | | JD |
| SA | 1549 | 160 SCT E250 OVC | 20 | | | 165 | 54 | 27 | 11 | 10 | | 004 | 610 1077 58 RADAT 28112 | CG |
| SA | 1650 | 160 SCT E250 OVC | 20 | | | 166 | 50 | 23 | 12 | 11 | | 003 | | CG |
| SA | 1746 | 160 SCT E250 OVC | 20 | | | 167 | 48 | 24 | 12 | 12 | | 003 | | CG |
| SA | 1846 | 160 SCT E250 OVC | 20 | | | 166 | 48 | 23 | 11 | 10 | | 003 | 603 1077 | CG |
| SA | 1947 | 160 SCT E250 OVC | 20 | | | 173 | 48 | 26 | 06 | 06 | | 005 | | CG |
| SA | 2045 | 160 SCT E250 OVC | 20 | | | 172 | 46 | 25 | 13 | 05 | | 005 | | CG |
| SA | 2145 | E150 BKN 250 OVC | 20 | | | 165 | 47 | 23 | 09 | 10 | | 004 | 003 1078 58 | CG |
| SA | 2245 | 150 SCT | 20 | | | 161 | 45 | 24 | 11 | 13 | | 003 | | CG |
| SA | 2345 | 150 SCT | 20 | | | 162 | 41 | 24 | 05 | 04 | | 003 | | CG |

A synoptic observation, in WMO code format FM12-VII, is entered on line following related aviation observation.

FM12-VII: IIiii $i_R i_X$hVV Nddff $1s_nTTT$ $2s_nT_dT_dT_d$ $3P_0P_0P_0P_0$ 4PPPP 5appp 6RRR$t_R$ 7ww$W_1W_2$ $8N_hC_LC_MC_H$

SUPERSEDES MF1-10A (10-78) WHICH MAY BE USED.

☆ U.S. G.P.O. 1982-564-008/1123

MF1-10B (1-82)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: 1983 DEC 17

To convert LST to GMT ADD 8 hrs. SUBTRACT ____ hrs.

| TIME (L.S.T.) 16 | STATION PRESSURE (Ins.) 17 | DRY BULB (°F) 18 | WET BULB (°F) 19 | REL. HUMIDITY (%) 20 | TOTAL SKY COVER 21 | LOWEST LAYER AMT. 22 | LOWEST LAYER TYPE 23 | LOWEST LAYER HEIGHT 24 | SECOND LAYER AMT. 25 | SECOND LAYER TYPE 26 | SECOND LAYER HEIGHT 27 | SUMMATION TOTAL 28 | THIRD LAYER AMT. 29 | THIRD LAYER TYPE 30 | THIRD LAYER HEIGHT 31 | SUMMATION TOTAL 32 | FOURTH LAYER AMT. 33 | FOURTH LAYER TYPE 34 | FOURTH LAYER HEIGHT 35 | TOTAL OPAQUE SKY COVER 36 | PRESSURE TENDENCY 37 | NET 3-HR. CHANGE (Ins.) 38 | SUNSHINE (Min.) 39 | PRECIPITATION (Ins.) 40 | HR. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00 46 | 26.600 | 41.8 | 35.0 | 51 | 1 | 1 | Ac | 150 | | | | | | | | | | | | 1 | 8 | .030 | | | 00-01 |
| 01 47 | 26.580 | 37.3 | 32.3 | 60 | 0 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 45 | 26.580 | 37.7 | 33.2 | 64 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 50 | 26.570 | 37.3 | 32.2 | 59 | 2 | 2 | Ac | 160 | | | | | | | | | | | | 2 | 7 | .030 | | | 03-04 |
| 04 50 | 26.570 | 40.4 | 33.7 | 50 | 9 | | | | | | | | | | | | | | | 9 | | | | | 04-05 |
| 05 50 | 26.590 | 39.1 | 33.7 | 58 | 4 | | | | | | | | | | | | | | | 4 | | | | | 05-06 |
| 06 49 | 26.610 | 39.0 | 33.6 | 58 | 9 | 9 | Ac | E160 | | | | | | | | | | | | 9 | 3 | .040 | | | 06-07 |
| 07 49 | 26.640 | 42.0 | 35.5 | 53 | 9 | | | | | | | | | | | | | | | 9 | | | | | 07-08 |
| 08 47 | 26.660 | 45.2 | 37.0 | 46 | 9 | | | | | | | | | | | | | | | 8 | | | | | 08-09 |
| 09 47 | 26.665 | 47.8 | 39.1 | 46 | 4 | 2 | Ac | 120 | 1 | Ac | 160 | 3 | 1 | Ci | 200 | 4 | | | | 3 | 0 | .055 | | | 09-10 |
| 10 49 | 26.650 | 54.4 | 43.6 | 41 | 1 | | | | | | | | | | | | | | | 1 | | | | | 10-11 |
| 11 48 | 26.630 | 55.5 | 44.2 | 40 | 0 | | | | | | | | | | | | | | | 0 | | | | | 11-12 |
| 12 49 | 26.630 | 57.2 | 44.6 | 36 | 0 | 0 | Ac | 120 | | | | | | | | | | | | 0 | 6 | .035 | | | 12-13 |
| 13 48 | 26.620 | 58.7 | 45.5 | 35 | 0 | | | | | | | | | | | | | | | 0 | | | | | 13-14 |
| 14 50 | 26.615 | 59.5 | 46.2 | 35 | 3 | | | | | | | | | | | | | | | 3 | | | | | 14-15 |
| 15 50 | 26.640 | 59.2 | 45.6 | 34 | 2 | 2 | Sc | 70 | | | | | | | | | | | | 2 | 3 | .010 | | | 15-16 |
| 16 52 | 26.650 | 52.8 | 43.0 | 45 | 1 | | | | | | | | | | | | | | | 1 | | | | | 16-17 |
| 17 48 | 26.670 | 48.9 | 40.0 | 46 | 1 | | | | | | | | | | | | | | | 1 | | | | | 17-18 |
| 18 46 | 26.690 | 49.5 | 40.5 | 46 | 0 | 0 | Cu | 70 | | | | | | | | | | | | 0 | 2 | .050 | | | 18-19 |
| 19 46 | 26.710 | 49.2 | 40.5 | 47 | 0 | | | | | | | | | | | | | | | 0 | | | | | 19-20 |
| 20 47 | 26.740 | 49.2 | 40.5 | 47 | 0 | | | | | | | | | | | | | | | 0 | | | | | 20-21 |
| 21 47 | 26.740 | 48.0 | 40.0 | 50 | 0 | | | | | | | | | | | | | | | 0 | 1 | .050 | | | 21-22 |
| 22 45 | 26.750 | 48.1 | 40.0 | 50 | 0 | | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 23 47 | 26.730 | 45.7 | 39.0 | 55 | 0 | | | | | | | | | | | | | | | 0 | | | | | 23-24 |

CLOUDS AND OBSCURING PHENOMENA

## SYNOPTIC OBSERVATIONS

| TIME (G.M.T.) 41 | TIME (L.S.T.) 42 | NO. 43 | PRECIP. (Ins.) 44 | SNOW FALL (Ins.) 45 | SNOW DEPTH (Ins.) 46 | MAX. TEMP. (°F) 47 | MIN. TEMP. (°F) 48 | 49 | STATE OF GRND. 50 | 51 | 52 | 53 | 54 | 55 | SOIL TEMP. 56 | 57 | 58 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MID. TO 0345 | X | 0 | 0 | X | 42 | 36 | X | X | | | | | | X | | |
| | 0345 | 1 | 0 | 0 | 0 | 47 | 36 | | 0 | | | | | | | | |
| | 0943 | 2 | 0 | 0 | 0 | 50 | 36 | | 0 | | | | | | | | |
| | 1545 | 3 | 0 | 0 | 0 | 61 | 48 | | 0 | | | | | | | | |
| | 2144 | 4 | 0 | 0 | 0 | 59 | 48 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 48 | 46 | X | X | | | | | | X | | |

STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0349 | 0946 | 1550 | 2147 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.570 | 26.665 | 26.640 | 26.740 |
| BAROGRAPH 64 | 26.570 | 26.660 | 26.640 | 26.730 |
| BAR. CORR. 65 | 0 | +.005* | 0 | 0 |

## SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

| 24-HR. MAX. TEMP. (°F) 66 | 24-HR. MIN. TEMP. (°F) 67 | 24-HR. PRECIP. WATER EQUIV. (Ins.) 68 | 24-HR. SNOWFALL UNMLTD (Ins.) 69 | SNOW DEPTH (Ins.) 70 | PEAK WIND SPEED (Kts.) 71 | PEAK WIND DIRECTION 72 | PEAK WIND TIME (L.S.T.) 73 | THICKNESS OF ICE ON WATER (Ins.) 74 | FROZEN GROUND LAYER (Ins.) TOP 75 | FROZEN GROUND LAYER (Ins.) BASE 76 | RIVER GAGE 77 | SKY COVER SUNRISE TO SUNSET 78 | SKY COVER MIDNIGHT TO MIDNIGHT 79 | WATER EQUIV. (Ins.) 80 | 81 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 61 | 36 | 0 | 0 | 0 | 19 | NE | 2235 | | | | | 4 | 2 | | |

WEATHER & OBSTRUCTIONS TO VISION

| TYPE 82 | BEGAN 83 | ENDED 84 | TYPE 86 | BEGAN 87 | ENDED 88 |
|---|---|---|---|---|---|
| | | | | | |

90. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE SUNSET

TOTAL SUNSHINE (MIN.) | PERCENT OF POSSIBLE SUNSHINE | CHARACTER OF SUNRISE | CHARACTER OF SUNSET

FASTEST OBSERVED 1-MINUTE WIND SPEED M.P.H. OR FASTEST MILE M.P.H. | ASSOCIATED DIRECTION | TIME

TIME CHECK - CLOCK AT: 0524P ±0 Sec./ 1930P (3) Sec./ ± Sec.

* 0955P Barograph Changed 0 Corr.

RS=00
SR=00

MF1-10B (1-82) SUPERSEDES MF1-10B (2-79) WHICH MAY BE USED.

☆U.S. G.P.O. 1982-564-008/1034

MF1-10A
(1-82)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK NV

DATE: 1983 DEC 17

TO CONVERT LST TO GMT: ADD 8 hrs. SUBTRACT ____ hrs.

| TYPE (1) | TIME (LST) (2) | SKY AND CEILING (Hundreds of Feet) (3) | VISIBILITY (Miles) SURFACE (4) | VISIBILITY (Miles) TOWER (4a) | WEATHER AND OBSTRUCTIONS TO VISION (5) | SEA LEVEL PRESS. (Mbs.) (6) | TEMP. (°F) (7) | DEW PT (°F) (8) | WIND DIRECTION (00-36) (9) | WIND SPEED (Kts.) (10) | WIND CHARACTER (11) | ALTIMETER SETTING (Ins.) (12) | REMARKS AND SUPPLEMENTAL CODED DATA (13) | OBSERVERS INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0046 | 150 SCT | 20 | | | 152 | 42 | 25 | 06 | 05 | | 001 | 810 1070 | CG |
| SA | 0147 | CLR | 20 | | | 151 | 37 | 25 | 06 | 06 | | 999 | | CG |
| SA | 0245 | CLR | 20 | | | 149 | 38 | 27 | 35 | 07 | | 998 | | CG |
| SA | 0350 | 160 SCT | 20 | | | 146 | 37 | 24 | 04 | 06 | | 997 | 710 1050 36 RADAT 35098 | JD |
| SA | 0450 | E160 BKN | 20 | | | 146 | 40 | 23 | 06 | 02 | | 997 | | JD |
| SA | 0550 | 160 SCT | 20 | | | 155 | 39 | 26 | 02 | 04 | | 999 | | JD |
| SA | 0649 | E160 BKN | 20 | | | 163 | 39 | 26 | 06 | 02 | | 002 | 314 1050 | JD |
| SA | 0749 | E160 BKN | 20 | | | 174 | 42 | 26 | 07 | 04 | | 005 | | JD |
| SA | 0847 | 120 SCT E160 BKN 200 BKN | 20 | | | 180 | 45 | 26 | 31 | 05 | | 007 | VIRGA SE | JD |
| SA | 0947 | 120 SCT 160 SCT 200 SCT | 20 | | | 179 | 48 | 28 | 00 | 00 | | 008 | 019 1073 36 | JD |
| SA | 1049 | 120 SCT 160 SCT 200 SCT | 20 | | | 172 | 54 | 31 | 35 | 03 | | 006 | | JD |
| SA | 1148 | CLR | 20 | | | 165 | 56 | 32 | 31 | 02 | | 004 | | JD |
| SA | 1249 | CLR | 20 | | | 164 | 57 | 30 | 03 | 04 | | 004 | 612 1030 | JD |
| SA | 1348 | CLR | 20 | | | 163 | 59 | 31 | 31 | 04 | | 003 | | JD |
| SA | 1450 | 100 SCT | 20 | | | 159 | 60 | 32 | 36 | 07 | | 003 | | JD |
| SA | 1550 | 70 SCT | 20 | | | 169 | 59 | 31 | 02 | 08 | | 005 | 303 1500 61 RADAT 70073 | CG |
| SA | 1652 | 70 SCT | 20 | | | 174 | 53 | 32 | 02 | 09 | | 006 | | CG |
| SA | 1748 | 70 SCT | 20 | | | 186 | 49 | 29 | 04 | 08 | | 008 | | CG |
| SA | 1846 | CLR | 20 | | | 193 | 50 | 29 | 04 | 11 | | 011 | 217 1500 | CG |
| SA | 1946 | CLR | 20 | | | 199 | 49 | 30 | 05 | 10 | | 013 | | CG |
| SA | 2047 | CLR | 20 | | | 208 | 49 | 30 | 05 | 10 | | 016 | | CG |
| SA | 2147 | CLR | 20 | | | 208 | 48 | 30 | 06 | 10 | | 016 | 117 61 | CG |
| SA | 2245 | CLR | 20 | | | 208 | 48 | 30 | 05 | 13 | | 017 | | CG |
| SA | 2347 | CLR | 20 | | | 201 | 46 | 31 | 04 | 13 | | 015 | | CG |

A synoptic observation, in WHO code format FM12-VII, is entered on line following related aviation observation.

FM12-VII: IIiii $i_R i_x$hVV Ndddff $1s_nTTT$ $2s_nT_dT_dT_d$ $3P_oP_oP_oP_o$ 4PPPP 5appp $6RRRt_R$ $7wwW_1W_2$ $8N_hC_LC_MC_H$

SUPERSEDES MF1-10A (10-78) WHICH MAY BE USED.

☆ U.S. G.P.O. 1982-564-008/1123

MF1-10B (1-82)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: 1983 DEC 18

To convert LST to GMT ADD 8 hrs. SUBTRACT ____ hrs.

| TIME (L.S.T.) 16 | STATION PRESSURE (Ins.) 17 | DRY BULB (°F) 18 | WET BULB (°F) 19 | REL. HUMIDITY (%) 20 | TOTAL SKY COVER 21 | CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT. 22 | LOWEST LAYER TYPE 23 | LOWEST LAYER HEIGHT 24 | SECOND LAYER AMT. 25 | SECOND LAYER TYPE 26 | SECOND LAYER HEIGHT 27 | SUMMATION TOTAL 28 | THIRD LAYER AMT. 29 | THIRD LAYER TYPE 30 | THIRD LAYER HEIGHT 31 | SUMMATION TOTAL 32 | FOURTH LAYER AMT. 33 | FOURTH LAYER TYPE 34 | FOURTH LAYER HEIGHT 35 | TOTAL OPAQUE SKY COVER 36 | PRESSURE TENDENCY 37 | NET 3-HR. CHANGE (Ins.) 38 | SUNSHINE (Min.) 39 | PRECIPITATION (Ins.) 40 | HR. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00 48 | 26.740 | 44.0 | 38.0 | 58 | 0 | | | | | | | | | | | | | | | 0 | 0 | .000 | | | 00-01 |
| 01 49 | 26.750 | 44.3 | 38.2 | 58 | 0 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 45 | 26.740 | 44.5 | 38.0 | 56 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 48 | 26.740 | 44.0 | 37.3 | 54 | 0 | | | | | | | | | | | | | | | 0 | 0 | .000 | | | 03-04 |
| 04 50 | 26.740 | 43.0 | 36.5 | 54 | 0 | | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 05 50 | 26.740 | 42.8 | 36.1 | 53 | 0 | | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 06 48 | 26.760 | 42.4 | 36.0 | 54 | 0 | 0 | CI | 250 | | | | | | | | | | | | 0 | 3 | .020 | | | 06-07 |
| 07 49 | 26.780 | 44.6 | 37.2 | 50 | 0 | | | | | | | | | | | | | | | 0 | | | | | 07-08 |
| 08 47 | 26.780 | 48.2 | 39.2 | 44 | 0 | | | | | | | | | | | | | | | 0 | | | | | 08-09 |
| 09 55 | 26.780 | 51.0 | 40.0 | 37 | 0 | 0 | CI | 250 | | | | | | | | | | | | 0 | 1 | .020 | | | 09-10 |
| 10 47 | 26.780 | 52.8 | 42.1 | 40 | 8 | | | | | | | | | | | | | | | 2 | | | | | 10-11 |
| 11 46 | 26.750 | 54.7 | 43.0 | 37 | 9 | | | | | | | | | | | | | | | 3 | | | | | 11-12 |
| 12 49 | 26.710 | 56.0 | 43.0 | 33 | 10 | 10 | CS | 250 | | | | | | | | | | | | 4 | 8 | .070 | | | 12-13 |
| 13 45 | 26.690 | 57.1 | 44.1 | 34 | 10 | | | | | | | | | | | | | | | 4 | | | | | 13-14 |
| 14 45 | 26.670 | 56.3 | 43.1 | 32 | 10 | | | | | | | | | | | | | | | 4 | | | | | 14-15 |
| 15 47 | 26.670 | 54.8 | 42.7 | 36 | 4 | 0 | AC | 140 | 4 | CI | 260 | 4 | | | | | | | | 3 | 6 | .040 | | | 15-16 |
| 16 46 | 26.680 | 47.7 | 40.2 | 43 | 8 | | | | | | | | | | | | | | | 3 | | | | | 16-17 |
| 17 45 | 26.680 | 46.3 | 38.3 | 48 | 8 | | | | | | | | | | | | | | | 3 | | | | | 17-18 |
| 18 34 | 26.690 | 43.4 | 37.0 | 56 | 3 | 3 | CI | 260 | | | | | | | | | | | | 2 | 2 | .020 | | | 18-19 |
| 19 45 | 26.690 | 42.5 | 36.3 | 56 | 3 | | | | | | | | | | | | | | | 1 | | | | | 19-20 |
| 20 46 | 26.690 | 40.3 | 36.3 | 69 | 2 | | | | | | | | | | | | | | | 0 | | | | | 20-21 |
| 21 47 | 26.690 | 38.3 | 34.8 | 72 | 1 | 1 | CI | 260 | | | | | | | | | | | | 0 | 4 | .000 | | | 21-22 |
| 22 52 | 26.680 | 36.9 | 33.5 | 72 | 7 | | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 23 51 | 26.670 | 35.2 | 32.1 | 73 | 3 | | | | | | | | | | | | | | | 0 | | | | | 23-24 |

## SYNOPTIC OBSERVATIONS

| TIME (G.M.T.) 41 | TIME (L.S.T.) 42 | NO. 43 | PRECIP. (Ins.) 44 | SNOW FALL (Ins.) 45 | SNOW DEPTH (Ins.) 46 | MAX. TEMP. (°F) 47 | MIN. TEMP. (°F) 48 | 49 | STATE OF GRND. 50 | 51 | 52 | 53 | 54 | 55 | SOIL TEMP. 56 | 57 | 58 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MID. TO 0345 | X | 0 | 0 | X | 46 | 43 | X | X | | | | | | X | | |
| | 0345 | 1 | 0 | 0 | 0 | 48 | 43 | | 0 | | | | | | | | |
| | 0946 | 2 | 0 | 0 | 0 | 51 | 40 | | 0 | | | | | | | | |
| | 1543 | 3 | 0 | 0 | 0 | 59 | 51 | | 0 | | | | | | | | |
| | 2143 | 4 | 0 | 0 | 0 | 55 | 38 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 38 | 35 | X | X | | | | | | X | | |

## STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0346 | 0947 | 1547 | 2147 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.740 | 26.780 | 26.670 | 26.690 |
| BAROGRAPH 64 | 26.740 | 26.790 | 26.690 | 26.685 |
| BAR. CORR. 65 | +.0 | -.010 | -.020 | +.005 |

## SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

| 24-HR. MAX. TEMP. (°F) 66 | 24-HR. MIN. TEMP. (°F) 67 | 24-HR. PRECIP. WATER EQUIV. (Ins.) 68 | 24-HR. SNOWFALL UNML TD (Ins.) 69 | SNOW DEPTH (Ins.) 70 | PEAK WIND SPEED (Kts.) 71 | PEAK WIND DIRECTION 72 | PEAK WIND TIME (L.S.T.) 73 | THICKNESS OF ICE ON WATER (Ins.) 74 | FROZEN GROUND LAYER (Ins.) TOP 75 | FROZEN GROUND LAYER (Ins.) BASE 76 | RIVER GAGE 77 | SKY COVER SUNRISE TO SUNSET 78 | SKY COVER MIDNIGHT TO MIDNIGHT 79 | WATER EQUIV. (Ins.) 80 | 81 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 59 | 35 | 0 | 0 | 0 | 15 | NE | 0545Z | | | | | 6 | 4 | | |

## WEATHER & OBSTRUCTIONS TO VISION

| TYPE 82 | BEGAN 83 | ENDED 84 | TYPE 86 | BEGAN 87 | ENDED 88 |
|---|---|---|---|---|---|
| | | | | | |

## 90. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE SUNSET

TOTAL SUNSHINE (MIN.) PERCENT OF POSSIBLE SUNSHINE CHARACTER OF SUNRISE CHARACTER OF SUNSET

FASTEST OBSERVED 1-MINUTE WIND SPEED M.P.H. OR FASTEST MILE M.P.H. ASSOCIATED DIRECTION TIME

TIME CHECK - CLOCK AT: 0600P ± 0 Sec./ 1745P ± 1 Sec./ ± Sec.

SP=00

RS=00

MF1-10B (1-82) SUPERSEDES MF1-10B (2-79) WHICH MAY BE USED.

☆U.S. G.P.O. 1982-564-008/1034

MF1-10A (1-82)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: 1983 DEC 18

TO CONVERT LST TO GMT: ADD 8 hrs. SUBTRACT ____ hrs.

| TYPE (1) | TIME (LST) (2) | SKY AND CEILING (Hundreds of Feet) (3) | VISIBILITY (Miles) SURFACE (4) | VISIBILITY (Miles) TOWER (4a) | WEATHER AND OBSTRUCTIONS TO VISION (5) | SEA LEVEL PRESS. (Mb.) (6) | TEMP (7) | DEW PT. (8) | WIND DIRECTION (00=36) (9) | WIND SPEED (Kts.) (10) | WIND CHARACTER (11) | ALTIMETER SETTING (Ins.) (12) | REMARKS AND SUPPLEMENTAL CODED DATA (13) | OB. SERVERS INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0048 | CLR | 20 | | | 204 | 44 | 30 | 05 | 10 | | 016 | 000 | CG |
| SA | 0149 | CLR | 20 | | | 208 | 44 | 31 | 05 | 10 | | 017 | | CG |
| SA | 0245 | CLR | 20 | | | 204 | 45 | 30 | 05 | 12 | | 016 | | CG |
| SA | 0348 | CLR | 20 | | | 204 | 44 | 28 | 06 | 10 | | 016 | 000 43 RADAT 74082 | JK |
| SA | 0450 | CLR | 20 | | | 207 | 43 | 28 | 05 | 12 | | 016 | | JK |
| SA | 0550 | CLR | 20 | | | 212 | 43 | 27 | 05 | 15 | | 016 | | JK |
| SA | 0648 | CLR | 20 | | | 217 | 42 | 27 | 04 | 06 | | 018 | 307 1001 | JK |
| SA | 0749 | CLR | 20 | | | 226 | 45 | 27 | 10 | 07 | | 021 | | JK |
| SA | 0847 | CLR | 20 | | | 223 | 48 | 27 | 04 | 06 | | 021 | | JK |
| SA | 0955 | CLR | 20 | | | 221 | 51 | 25 | 03 | 16 | | 021 | 107 1001 40 | JK |
| SA | 1047 | 250-BKN | 20 | | | 220 | 53 | 29 | 01 | 02 | | 021 | | JK |
| SA | 1146 | 250-BKN | 20 | | | 209 | 55 | 29 | 26 | 04 | | 017 | | JK |
| SA | 1249 | 250-OVC | 20 | | | 193 | 56 | 27 | 19 | 08 | | 013 | 824 1007 | JK |
| SA | 1345 | 250-OVC | 20 | | | 186 | 57 | 29 | 23 | 10 | | 011 | | JK |
| SA | 1445 | 250-OVC | 20 | | | 177 | 56 | 27 | 20 | 10 | | 009 | | JK |
| SA | 1547 | 260 SCT | 20 | | | 179 | 55 | 28 | 19 | 08 | | 008 | 614 1071 59 RADAT 30100 | JK |
| SA | 1646 | 260-BKN | 20 | | | 186 | 50 | 28 | 27 | 04 | | 010 | FEW AC | JK |
| SA | 1745 | 260-BKN | 20 | | | 188 | 46 | 28 | 36 | 04 | | 010 | | JK |
| SA | 1851 | 260 SCT | 20 | | | 195 | 43 | 29 | 02 | 06 | | 011 | 207 1001 | JK |
| SA | 1945 | 260-SCT | 20 | | | 194 | 43 | 28 | 03 | 04 | | 011 | | JK |
| SA | 2046 | 260-SCT | 20 | | | 193 | 40 | 31 | 05 | 03 | | 011 | | JK |
| SA | 2147 | 260-SCT | 20 | | | 193 | 38 | 30 | 00 | 00 | | 011 | 400 1001 59 | JK |
| SA | 2252 | 260-BKN | 20 | | | 189 | 37 | 29 | 03 | 06 | | 010 | | JK |
| SA | 2351 | 260-SCT | 20 | | | 185 | 35 | 28 | 11 | 03 | | 008 | | JK |

A synoptic observation, in WMO code format FM12-VII, is entered on line following related aviation observation.

FM12-VII: Iiiii $i_R i_x$hVV Nddff $1s_nTTT$ $2s_nT_dT_dT_d$ $3P_oP_oP_oP_o$ 4PPPP 5appp $6RRRt_R$ $7wwW_1W_2$ $8N_hC_LC_MC_H$

SUPERSEDES MF1-10A (10-78) WHICH MAY BE USED.

☆ U.S. G.P.O. 1982-564-008/1123

MF1-10B (1-82)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: 1983 DEC 19

To convert LST to GMT ADD 8 hrs. SUBTRACT ____ hrs.

| TIME (L.S.T.) 16 | STATION PRESSURE (Ins.) 17 | DRY BULB (°F) 18 | WET BULB (°F) 19 | REL. HUMIDITY (%) 20 | TOTAL SKY COVER 21 | CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT. 22 | LOWEST LAYER TYPE 23 | LOWEST LAYER HEIGHT 24 | SECOND LAYER AMT. 25 | SECOND LAYER TYPE 26 | SECOND LAYER HEIGHT 27 | SUMMATION TOTAL 28 | THIRD LAYER AMT. 29 | THIRD LAYER TYPE 30 | THIRD LAYER HEIGHT 31 | SUMMATION TOTAL 32 | FOURTH LAYER AMT. 33 | FOURTH LAYER TYPE 34 | FOURTH LAYER HEIGHT 35 | TOTAL OPAQUE SKY COVER 36 | PRESSURE TENDENCY 37 | NET 3-HR. CHANGE (Ins.) 38 | SUNSHINE (Min.) 39 | PRECIPITATION (Ins.) 40 | HR. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00 47 | 26.650 | 34.6 | 32.0 | 77 | 0 | 0 | CI | 260 | | | | | | | | | | | | 0 | 8 | .040 | | | 00-01 |
| 01 45 | 26.640 | 35.0 | 32.8 | 81 | 0 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 50 | 26.640 | 35.8 | 33.1 | 77 | 1 | | | | | | | | | | | | | | | 1 | | | | | 02-03 |
| 03 48 | 26.590 | 33.8 | 31.4 | 79 | 1 | 1 | CI | 250 | | | | | | | | | | | | 1 | 8 | .060 | | | 03-04 |
| 04 47 | 26.590 | 32.9 | 31.0 | 82 | 4 | | | | | | | | | | | | | | | 3 | | | | | 04-05 |
| 05 45 | 26.590 | 33.8 | 31.2 | 76 | 4 | | | | | | | | | | | | | | | 3 | | | | | 05-06 |
| 06 48 | 26.600 | 35.0 | 32.0 | 74 | 8 | 6 | AC | E140 | 2 | CI | 200 | 8 | | | | | | | | 5 | 3 | .010 | | | 06-07 |
| 07 50 | 26.620 | 38.8 | 34.8 | 68 | 10 | | | | | | | | | | | | | | | 6 | | | | | 07-08 |
| 08 50 | 26.610 | 42.8 | 37.0 | 58 | 10 | | | | | | | | | | | | | | | 4 | | | | | 08-09 |
| 09 48 | 26.610 | 47.0 | 39.0 | 49 | 10 | 1 | AC | 140 | 10 | CS | 250 | 10 | | | | | | | | 4 | 1 | .010 | | | 09-10 |
| 10 49 | 26.580 | 50.2 | 41.1 | 46 | 10 | | | | | | | | | | | | | | | 8 | | | | | 10-11 |
| 11 50 | 26.540 | 52.0 | 42.0 | 42 | 7 | | | | | | | | | | | | | | | 3 | | | | | 11-12 |
| 12 49 | 26.490 | 53.8 | 42.3 | 37 | 2 | 0 | AC | 180 | 2 | CS | 250 | 2 | | | | | | | | 1 | 8 | .120 | | | 12-13 |
| 13 45 | 26.480 | 55.9 | 43.3 | 34 | 0 | | | | | | | | | | | | | | | 0 | | | | | 13-14 |
| 14 48 | 26.450 | 56.1 | 42.9 | 32 | 0 | | | | | | | | | | | | | | | 0 | | | | | 14-15 |
| 15 47 | 26.430 | 54.0 | 42.3 | 37 | 0 | 0 | SC | 80 | | | | | | | | | | | | 0 | 8 | .060 | | | 15-16 |
| 16 47 | 26.430 | 49.6 | 40.4 | 45 | 0 | | | | | | | | | | | | | | | 0 | | | | | 16-17 |
| 17 52 | 26.430 | 46.6 | 38.8 | 49 | 0 | | | | | | | | | | | | | | | 0 | | | | | 17-18 |
| 18 48 | 26.430 | 43.1 | 37.0 | 57 | 0 | | | | | | | | | | | | | | | 0 | 4 | .000 | | | 18-19 |
| 19 48 | 26.410 | 39.2 | 34.7 | 65 | 0 | | | | | | | | | | | | | | | 0 | | | | | 19-20 |
| 20 48 | 26.390 | 36.7 | 33.0 | 69 | 0 | | | | | | | | | | | | | | | 0 | | | | | 20-21 |
| 21 47 | 26.390 | 38.4 | 34.4 | 68 | 0 | | | | | | | | | | | | | | | 0 | 6 | .040 | | | 21-22 |
| 22 45 | 26.380 | 38.6 | 34.6 | 68 | 0 | | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 23 46 | 26.370 | 38.3 | 34.4 | 69 | 0 | | | | | | | | | | | | | | | 0 | | | | | 23-24 |

## SYNOPTIC OBSERVATIONS

| TIME (G.M.T.) 41 | TIME (L.S.T.) 42 | NO. 43 | PRECIP. (Ins.) 44 | SNOW FALL (Ins.) 45 | SNOW DEPTH (Ins.) 46 | MAX. TEMP. (°F) 47 | MIN. TEMP. (°F) 48 | 49 | STATE OF GRND. 50 | 51 | 52 | 53 | 54 | 55 | SOIL TEMP. 56 | 57 | 58 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MID. TO 0345 | X | 0 | 0 | X | 36 | 33 | X | X | | | | | | X | | |
| | 0345 | 1 | 0 | 0 | 0 | 38 | 33 | | 0 | | | | | | | | |
| | 0946 | 2 | 0 | 0 | 0 | 47 | 32 | | 0 | | | | | | | | |
| | 1543 | 3 | 0 | 0 | 0 | 56 | 47 | | 0 | | | | | | | | |
| | 2143 | 4 | 0 | 0 | 0 | 51 | 37 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 39 | 35 | X | X | | | | | | X | | |

### STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0346 | 0947 | 1547 | 2147 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.590 | 26.610 | 26.430 | 26.370 |
| BAROGRAPH 64 | 26.590 | 26.600 | 26.440 | 26.370 |
| BAR. CORR. 65 | ±.0 | +.010 | -.010 | ±0 |

## SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

| 24-HR. MAX. TEMP. (°F) 66 | 24-HR. MIN. TEMP. (°F) 67 | 24-HR. PRECIP. WATER EQUIV. (Ins.) 68 | 24-HR. SNOWFALL UNML TO (Ins.) 69 | SNOW DEPTH (Ins.) 70 | PEAK WIND SPEED (Kts.) 71 | PEAK WIND DIRECTION 72 | PEAK WIND TIME (L.S.T.) 73 | THICKNESS OF ICE ON WATER (Ins.) 74 | FROZEN GROUND LAYER (Ins.) TOP 75 | FROZEN GROUND LAYER (Ins.) BASE 76 | RIVER GAGE 77 | SKY COVER SUNRISE TO SUNSET 78 | SKY COVER MIDNIGHT TO MIDNIGHT 79 | WATER EQUIV. (Ins.) 80 | 81 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 56 | 32 | 0 | 0 | 0 | 12 | SW | 1402 | | | | | 6 | 3 | | |

## 90. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE SUNSET

| TOTAL SUNSHINE (MIN.) | PERCENT OF POSSIBLE SUNSHINE | CHARACTER OF SUNRISE | CHARACTER OF SUNSET |
|---|---|---|---|
| FASTEST OBSERVED 1-MINUTE WIND SPEED M.P.H. | OR FASTEST MILE M.P.H. | ASSOCIATED DIRECTION | TIME |

TIME CHECK-CLOCK AT: 0710P ± 0 Sec./ 1735P ± 1 Sec./ ± Sec.

SP= 00
RS= 00

## WEATHER & OBSTRUCTIONS TO VISION

| TYPE 82 | BEGAN 83 | ENDED 84 | TYPE 86 | BEGAN 87 | ENDED 88 |
|---|---|---|---|---|---|

MF1-10A
(1-82)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: 1983 DEC 19

TO CONVERT LST TO GMT: ADD 8 hrs. SUBTRACT ____ hrs.

| TYPE (1) | TIME (LST) (2) | SKY AND CEILING (Hundreds of Feet) (3) | VISIBILITY (Miles) SURFACE (4) | VISIBILITY (Miles) TOWER (4a) | WEATHER AND OBSTRUCTIONS TO VISION (5) | SEA LEVEL PRESS. (Mbs.) (6) | TEMP. (°F) (7) | DEW PT. (°F) (8) | WIND DIRECTION (00-36) (9) | WIND SPEED (Kts.) (10) | WIND CHARACTER (11) | ALTIMETER SETTING (Tens) (12) | REMARKS AND SUPPLEMENTAL CODED DATA (13) | OB. SERVER'S INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0047 | CLR | 20 | | | 177 | 35 | 28 | 09 | 03 | | 006 | 814 1001 | JK |
| SA | 0145 | CLR | 20 | | | 173 | 35 | 30 | 00 | 00 | | 005 | | JK |
| SA | 0250 | 260 SCT | 20 | | | 172 | 36 | 29 | 00 | 00 | | 005 | | JK |
| SA | 0348 | 250 SCT | 20 | | | 157 | 34 | 28 | 06 | 03 | | 000 | 820 1001 33 RADAT 30102 | JK |
| SA | 0447 | 250 SCT | 20 | | | 159 | 33 | 28 | 08 | 05 | | 000 | | JK |
| SA | 0545 | 250 SCT | 20 | | | 160 | 34 | 27 | 11 | 04 | | 000 | AC NW | JK |
| SA | 0648 | E140 BKN 200 BKN | 20 | | | 166 | 35 | 28 | 11 | 05 | | 001 | 303 1071 | JK |
| SA | 0750 | 140 SCT E200 BKN 250 OVC | 20 | | | 164 | 39 | 29 | 11 | 03 | | 001 | | JK |
| SA | 0850 | 200 SCT 250-OVC | 20 | | | 166 | 43 | 31 | 29 | 03 | | 002 | | JK |
| SA | 0948 | 140 SCT 250-OVC | 20 | | | 164 | 47 | 29 | 20 | 03 | | 002 | 103 1077 32 | JK |
| SA | 1049 | 140 SCT E250 OVC | 20 | | | 152 | 50 | 30 | 26 | 04 | | 999 | | JK |
| SA | 1150 | 180 SCT 250-BKN | 20 | | | 137 | 52 | 30 | 23 | 07 | | 994 | | JK |
| SA | 1249 | 250-SCT | 20 | | | 117 | 54 | 28 | 22 | 10 | | 989 | 841 1078 | JK |
| SA | 1345 | CLR | 20 | | | 112 | 56 | 28 | 25 | 10 | | 988 | | JK |
| SA | 1448 | CLR | 20 | | | 098 | 56 | 27 | 25 | 07 | | 984 | CU SE | JK |
| SA | 1547 | CLR | 20 | | | 094 | 54 | 28 | 25 | 06 | | 982 | 820 1400 56 RADAT 35093 | JK |
| SA | 1647 | CLR | 20 | | | 098 | 50 | 29 | 29 | 04 | | 982 | | JK |
| SA | 1752 | CLR | 20 | | | 098 | 47 | 29 | 29 | 05 | | 982 | | JK |
| SA | 1848 | CLR | 20 | | | 101 | 43 | 29 | 01 | 05 | | 982 | 400 | JK |
| SA | 1948 | CLR | 20 | | | 093 | 39 | 28 | 03 | 09 | | 980 | | JK |
| SA | 2048 | CLR | 20 | | | 083 | 37 | 28 | 00 | 00 | | 978 | | JK |
| SA | 2147 | CLR | 20 | | | 081 | 38 | 29 | 02 | 07 | | 978 | 614 56 | JK |
| SA | 2245 | CLR | 20 | | | 074 | 39 | 29 | 35 | 08 | | 976 | | JK |
| SA | 2346 | CLR | 20 | | | 070 | 38 | 29 | 01 | 08 | | 975 | | JK |

A synoptic observation, in WMO code format FM12-VII, is entered on line following related aviation observation.

FM12-VII: IIiii $i_R i_x$hVV Nddff $1s_nTTT$ $2s_nT_dT_dT_d$ $3P_oP_oP_oP_o$ 4PPPP 5appp 6RRR$t_R$ 7wwW$_1$W$_2$ 8N$_h$C$_L$C$_M$C$_H$

SUPERSEDES MF1-10A (10-78) WHICH MAY BE USED.

☆ U.S. G.P.O. 1982-564-008/1123

MF1-10B (1-82)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: 1983 DEC 20

To convert LST to GMT ADD 8 hrs. SUBTRACT ___ hrs.

| TIME (L.S.T.) 16 | STATION PRESSURE (Ins.) 17 | DRY BULB (°F) 18 | WET BULB (°F) 19 | REL. HUMIDITY (%) 20 | TOTAL SKY COVER 21 | LOWEST LAYER AMT. 22 | LOWEST LAYER TYPE 23 | LOWEST LAYER HEIGHT 24 | SECOND LAYER AMT. 25 | SECOND LAYER TYPE 26 | SECOND LAYER HEIGHT 27 | SUMMATION TOTAL 28 | THIRD LAYER AMT. 29 | THIRD LAYER TYPE 30 | THIRD LAYER HEIGHT 31 | SUMMATION TOTAL 32 | FOURTH LAYER AMT. 33 | FOURTH LAYER TYPE 34 | FOURTH LAYER HEIGHT 35 | TOTAL OPAQUE SKY COVER 36 | PRESSURE TENDENCY 37 | NET 3-HR. CHANGE (Ins.) 38 | SUNSHINE (Min.) 39 | PRECIPITATION (Ins.) 40 | HR. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00 48 | 26.360 | 36.2 | 33.4 | 77 | 0 | 0 | CS | 250 | | | | | | | | | | | | 0 | 7 | .030 | | | 00-01 |
| 01 46 | 26.360 | 37.0 | 33.5 | 71 | 0 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 50 | 26.360 | 36.3 | 33.7 | 78 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 48 | 26.370 | 37.8 | 33.8 | 67 | 0 | 0 | CS | 250 | | | | | | | | | | | | 0 | 3 | .010 | | | 03-04 |
| 04 47 | 26.380 | 35.2 | 31.8 | 71 | 1 | | | | | | | | | | | | | | | 1 | | | | | 04-05 |
| 05 49 | 26.390 | 34.2 | 30.5 | 67 | 0 | | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 06 50 | 26.400 | 33.3 | 29.3 | 63 | 0 | 0 | SC | 80 | 0 | CI | 250 | 0 | | | | | | | | 0 | 2 | .030 | | | 06-07 |
| 07 46 | 26.420 | 37.0 | 32.0 | 59 | 1 | | | | | | | | | | | | | | | 0 | | | | | 07-08 |
| 08 50 | 26.430 | 44.8 | 34.2 | 31 | 0 | | | | | | | | | | | | | | | 0 | | | | | 08-09 |
| 09 45 | 26.430 | 45.1 | 35.0 | 33 | 0 | 0 | SC | 80 | 0 | CI | 250 | 0 | | | | | | | | 0 | 1 | .030 | | | 09-10 |
| 10 46 | 26.420 | 47.0 | 36.0 | 31 | 0 | | | | | | | | | | | | | | | 0 | | | | | 10-11 |
| 11 56 | 26.370 | 49.5 | 37.2 | 27 | 0 | | | | | | | | | | | | | | | 0 | | | | | 11-12 |
| 12 45 | 26.360 | 51.0 | 37.0 | 21 | 1 | 1 | SC | 80 | | | | | | | | | | | | 1 | 8 | .070 | | | 12-13 |
| 13 50 | 26.340 | 50.2 | 38.2 | 30 | 0 | | | | | | | | | | | | | | | 0 | | | | | 13-14 |
| 14 50 | 26.340 | 49.7 | 38.1 | 32 | 0 | | | | | | | | | | | | | | | 0 | | | | | 14-15 |
| 15 48 | 26.330 | 48.1 | 36.5 | 30 | 0 | | | | | | | | | | | | | | | 0 | 6 | .030 | | | 15-16 |
| 16 45 | 26.330 | 45.5 | 36.1 | 39 | 0 | | | | | | | | | | | | | | | 0 | | | | | 16-17 |
| 17 46 | 26.320 | 42.6 | 35.2 | 48 | 0 | | | | | | | | | | | | | | | 0 | | | | | 17-18 |
| 18 47 | 26.330 | 39.0 | 32.5 | 50 | 0 | | | | | | | | | | | | | | | 0 | 5 | .000 | | | 18-19 |
| 19 51 | 26.340 | 38.8 | 33.4 | 57 | 0 | | | | | | | | | | | | | | | 0 | | | | | 19-20 |
| 20 45 | 26.360 | 38.4 | 32.4 | 53 | 0 | | | | | | | | | | | | | | | 0 | | | | | 20-21 |
| 21 45 | 26.390 | 36.3 | 31.9 | 64 | 0 | | | | | | | | | | | | | | | 0 | 3 | .060 | | | 21-22 |
| 22 53 | 26.410 | 33.0 | 30.0 | 72 | 0 | | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 23 46 | 26.400 | 37.6 | 31.0 | 48 | 0 | | | | | | | | | | | | | | | 0 | | | | | 23-24 |

## SYNOPTIC OBSERVATIONS

| TIME (G.M.T.) 41 | TIME (L.S.T.) 42 | NO. 43 | PRECIP. (Ins.) 44 | SNOW FALL (Ins.) 45 | SNOW DEPTH (Ins.) 46 | MAX. TEMP. (°F) 47 | MIN. TEMP. (°F) 48 | 49 | STATE OF GRND. 50 | 51 | 52 | 53 | 54 | 55 | SOIL TEMP. 56 | 57 | 58 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MID. TO 0344 | X | 0 | 0 | X | 38 | 35 | X | X | | | | | | X | | |
| | 0344 | 1 | 0 | 0 | 0 | 39 | 35 | | 0 | | | | | | | | |
| | 0942 | 2 | 0 | 0 | 0 | 45 | 31 | | 0 | | | | | | | | |
| | 1544 | 3 | 0 | 0 | 0 | 52 | 45 | | 0 | | | | | | | | |
| | 2141 | 4 | 0 | 0 | 0 | 48 | 36 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 38 | 32 | X | X | | | | | | X | | |

## STATION PRESSURE COMPUTATIONS

| TIME (L.S.T.) 59 | 0345 | 0943 | 1548 | 2145 |
|---|---|---|---|---|
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.370 | 26.430 | 26.330 | 26.390 |
| BAROGRAPH 64 | 26.360 | 26.430 | 26.340 | 26.375 |
| BAR. CORR. 65 | +.010 | ±.0 | -.010 | +.015 |

## SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

| 24-HR. MAX. TEMP. (°F) 66 | 24-HR. MIN. TEMP. (°F) 67 | 24-HR. PRECIP. WATER EQUIV. (Ins.) 68 | 24-HR. SNOWFALL UNML TO (Ins.) 69 | SNOW DEPTH (Ins.) 70 | PEAK WIND SPEED (Kts.) 71 | PEAK WIND DIRECTION 72 | PEAK WIND TIME (L.S.T.) 73 | THICKNESS OF ICE ON WATER (Ins.) 74 | FROZEN GROUND LAYER (Ins.) TOP 75 | FROZEN GROUND LAYER (Ins.) BASE 76 | RIVER GAGE 77 | SKY COVER SUNRISE TO SUNSET 78 | SKY COVER MIDNIGHT TO MIDNIGHT 79 | WATER EQUIV. (Ins.) 80 | 81 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 52 | 31 | 0 | 0 | 0 | 16 | SW | 1651 | | | | | 0 | 0 | | |

## WEATHER & OBSTRUCTIONS TO VISION

| TYPE 82 | BEGAN 83 | ENDED 84 | TYPE 86 | BEGAN 87 | ENDED 88 |
|---|---|---|---|---|---|
| | | | | | |

## 90. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE SUNSET

TOTAL SUNSHINE (MIN.) | PERCENT OF POSSIBLE SUNSHINE | CHARACTER OF SUNRISE | CHARACTER OF SUNSET

FASTEST OBSERVED 1-MINUTE WIND SPEED M.P.H. OR FASTEST MILE M.P.H. | ASSOCIATED DIRECTION | TIME

TIME CHECK - CLOCK AT: 0615 P ±1 Sec./ 1648P ±1 Sec./ ± Sec.

0945P/31/1156P

SP= 00
RS= 00

MF1-10B (1-82) SUPERSEDES MF1-10B (2-79) WHICH MAY BE USED.

☆U.S. G.P.O. 1982-564-008/1034

MF1-10A (1-82)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: 1983 DEC 20

TO CONVERT LST TO GMT: ADD 8 hrs. SUBTRACT ____ hrs.

| TYPE (1) | TIME (LST) (2) | SKY AND CEILING (Hundreds of Feet) (3) | VISIBILITY (Miles) SURFACE (4) | VISIBILITY (Miles) TOWER (4a) | WEATHER AND OBSTRUCTIONS TO VISION (5) | SEA LEVEL PRESS. (Mbs.) (6) | TEMP (°F) (7) | DEW PT. (°F) (8) | WIND DIRECTION (00-36) (9) | WIND SPEED (Kts.) (10) | WIND CHARACTER (11) | ALTIMETER SETTING (Ins.) (12) | REMARKS AND SUPPLEMENTAL CODED DATA (13) | OBSERVERS INITIALS (14) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0048 | CLR | 20 | | | 067 | 36 | 30 | 00 | 00 | | 974 | 710 1008 | ~~KB~~ |
| SA | 0146 | CLR | 20 | | | 064 | 37 | 29 | 30 | 05 | | 974 | | ~~KB~~ |
| SA | 0250 | CLR | 20 | | | 065 | 36 | 30 | 28 | 04 | | 974 | | ~~KB~~ |
| SA | 0348 | CLR | 20 | | | 068 | 38 | 28 | 18 | 04 | | 976 | 303 1005 35 RADAT 69073 | JK |
| SA | 0447 | 250 SCT | 20 | | | 077 | 35 | 27 | 20 | 02 | | 977 | | JK |
| SA | 0549 | CLR | 20 | | | 083 | 34 | 24 | 31 | 03 | | 978 | CI SE | JK |
| SA | 0650 | CLR | 20 | | | 090 | 33 | 22 | 25 | 02 | | 979 | 210 1501 | JK |
| SA | 0746 | 250 - SCT | 20 | | | 098 | 37 | 24 | 29 | 02 | | 981 | | JK |
| SA | 0850 | CLR | 20 | | | 098 | 45 | 16 | 06 | 09 | | 982 | | JK |
| SA | 0945 | CLR | 20 | | | 097 | 45 | 18 | 02 | 12 | | 982 | 110 1501 ~~45~~ 31 | JK |
| SA | 1046 | CLR | 20 | | | 091 | 47 | 18 | 01 | 11 | | 981 | | JK |
| SA | 1156 | CLR | 20 | | | 072 | 50 | 17 | 35 | 04 | | 976 | | JK |
| SA | 1245 | 80 SCT | 20 | | | 068 | 51 | 13 | 27 | 06 | | 974 | 824 1500 | JK |
| SA | 1350 | CLR | 20 | | | 060 | 50 | 30 | 23 | 08 | | 972 | | JK |
| SA | 1450 | CLR | 20 | | | 061 | 50 | 21 | 24 | 15 | | 972 | | JK |
| SA | 1548 | CLR | 20 | | | 057 | 48 | 18 | 24 | 11 | | 971 | 610 52 RADAT 56062 | ~~KB~~ |
| SA | 1645 | CLR | 20 | | | 059 | 46 | 22 | 24 | 12 | | 971 | | ~~KB~~ |
| SA | 1746 | CLR | 20 | | | 059 | 43 | 24 | 13 | 05 | | 970 | | ~~KB~~ |
| SA | 1847 | CLR | 20 | | | 065 | 39 | 22 | 36 | 04 | | 971 | 500 | ~~KB~~ |
| SA | 1951 | CLR | 20 | | | 068 | 39 | 25 | 02 | 07 | | 972 | | ~~KB~~ |
| SA | 2045 | CLR | 20 | | | 070 | 38 | 23 | 34 | 07 | | 974 | | ~~KB~~ |
| SA | 2145 | CLR | 20 | | | 082 | 36 | 25 | 33 | 08 | | 978 | 320 52 | ~~KB~~ |
| SA | 2253 | CLR | 20 | | | 090 | 33 | 25 | 00 | 00 | | 980 | | ~~KB~~ |
| SA | 2346 | CLR | 20 | | | 082 | 38 | 20 | 03 | 12 | | 979 | | ~~KB~~ |

A synoptic observation, in WMO code format FM12-VII, is entered on line following related aviation observation.

FM12-VII: Iliii $i_R i_x$hVV Nddff $1s_nTTT$ $2s_nT_dT_dT_d$ $3P_oP_oP_oP_o$ 4PPPP 5appp $6RRRt_R$ $7ww_1W_2$ $8N_hC_LC_MC_H$

SUPERSEDES MF1-10A (10-78) WHICH MAY BE USED.

☆ U.S. G.P.O. 1982-564-008/1123

MF1-10B
(1-82)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: 1983 DEC 21

To convert LST to GMT ADD 8 hrs. SUBTRACT ___ hrs.

| TIME (L.S.T.) 16 | STATION PRESSURE (Ins.) 17 | DRY BULB (°F) 18 | WET BULB (°F) 19 | REL. HUMIDITY (%) 20 | TOTAL SKY COVER 21 | LOWEST LAYER AMT. 22 | LOWEST LAYER TYPE 23 | LOWEST LAYER HEIGHT 24 | SECOND LAYER AMT. 25 | SECOND LAYER TYPE 26 | SECOND LAYER HEIGHT 27 | SUMMATION TOTAL 28 | THIRD LAYER AMT. 29 | THIRD LAYER TYPE 30 | THIRD LAYER HEIGHT 31 | SUMMATION TOTAL 32 | FOURTH LAYER AMT. 33 | FOURTH LAYER TYPE 34 | FOURTH LAYER HEIGHT 35 | TOTAL OPAQUE SKY COVER 36 | PRESSURE TENDENCY 37 | NET 3-HR. CHANGE (Ins.) 38 | SUNSHINE (Min.) 39 | PRECIPITATION (Ins.) 40 | HR. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00 50 | 26.410 | 36.3 | 30.3 | 51 | 0 | | | | | | | | | | | | | | | 0 | 1 | .020 | | | 00-01 |
| 01 47 | 26.430 | 33.9 | 28.6 | 60 | 0 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 50 | 26.440 | 32.2 | 28.6 | 65 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 51 | 26.450 | 30.1 | 27.0 | 68 | 2 | 2 | Cs | 250 | | | | | | | | | | | | 0 | 1 | .040 | | | 03-04 |
| 04 47 | 26.465 | 31.1 | 26.8 | 57 | 8 | | | | | | | | | | | | | | | 1 | | | | | 04-05 |
| 05 47 | 26.470 | 32.0 | 27.6 | 58 | 10 | | | | | | | | | | | | | | | 2 | | | | | 05-06 |
| 06 50 | 26.480 | 32.3 | 27.9 | 58 | 10 | 10 | Cs | 250 | | | | | | | | | | | | 2 | 2 | .030 | | | 06-07 |
| 07 47 | 26.490 | 30.3 | 27.2 | 68 | 10 | | | | | | | | | | | | | | | 6 | | | | | 07-08 |
| 08 48 | 26.500 | 36.2 | 29.3 | 43 | 10 | | | | | | | | | | | | | | | 6 | | | | | 08-09 |
| 09 48 | 26.510 | 38.6 | 31.7 | 47 | 10 | 10 | Cs | 250 | | | | | | | | | | | | 5 | 2 | .030 | | | 09-10 |
| 10 47 | 26.500 | 41.1 | 31.8 | 34 | 10 | | | | | | | | | | | | | | | 5 | | | | | 10-11 |
| 11 50 | 26.460 | 44.1 | 34.8 | 38 | 5 | | | | | | | | | | | | | | | 2 | | | | | 11-12 |
| 12 49 | 26.430 | 46.0 | 36.6 | 39 | 5 | 5 | Cs | 250 | | | | | | | | | | | | 0 | 8 | .080 | | | 12-13 |
| 13 48 | 26.420 | 45.5 | 35.1 | 33 | 5 | | | | | | | | | | | | | | | 2 | | | | | 13-14 |
| 14 45 | 26.410 | 48.4 | 37.0 | 31 | 4 | | | | | | | | | | | | | | | 1 | | | | | 14-15 |
| 15 53 | 26.420 | 44.3 | 35.0 | 38 | 3 | 3 | Ci | 250 | | | | | | | | | | | | 1 | 5 | .010 | | | 15-16 |
| 16 55 | 26.430 | 40.3 | 32.8 | 45 | 3 | | | | | | | | | | | | | | | 1 | | | | | 16-17 |
| 17 54 | 26.450 | 39.0 | 31.3 | 42 | 3 | | | | | | | | | | | | | | | 1 | | | | | 17-18 |
| 18 54 | 26.450 | 35.3 | 29.8 | 53 | 4 | 4 | Ci | 250 | | | | | | | | | | | | 1 | 1 | .030 | | | 18-19 |
| 19 52 | 26.460 | 35.0 | 29.0 | 48 | 5 | | | | | | | | | | | | | | | 3 | | | | | 19-20 |
| 20 50 | 26.420 | 31.2 | 25.4 | 44 | 6 | | | | | | | | | | | | | | | 4 | | | | | 20-21 |
| 21 53 | 26.480 | 28.8 | 26.2 | 62 | 8 | 2 | Ac | 120 | 6 | Ci | 230 | 8 | | | | | | | | 5 | 2 | .030 | | | 21-22 |
| 22 51 | 26.490 | 29.4 | 25.9 | 62 | 7 | | | | | | | | | | | | | | | 3 | | | | | 22-23 |
| 23 54 | 26.470 | 28.0 | 24.6 | 62 | 8 | | | | | | | | | | | | | | | 3 | | | | | 23-24 |

## SYNOPTIC OBSERVATIONS

| TIME (G.M.T.) 41 | TIME (L.S.T.) 42 | NO. 43 | PRECIP. (Ins.) 44 | SNOW FALL (Ins.) 45 | SNOW DEPTH (Ins.) 46 | MAX. TEMP. (°F) 47 | MIN. TEMP. (°F) 48 | 49 | STATE OF GRND. 50 | 51 | 52 | 53 | 54 | 55 | SOIL TEMP. 56 | 57 | 58 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MID. TO 0397 | X | 0 | 0 | X | 38 | 29 | X | X | | | | | | X | | |
| | 0347 | 1 | 0 | 0 | 0 | 38 | 29 | | 0 | | | | | | | | |
| | 0944 | 2 | 0 | 0 | 0 | 40 | 29 | | 0 | | | | | | | | |
| | 1549 | 3 | 0 | 0 | 0 | 49 | 38 | | 0 | | | | | | | | |
| | 2148 | 4 | 0 | 0 | 0 | 44 | 29 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 30 | 28 | X | X | | | | | | X | | |

## STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0350 | 0947 | 1551 | 2150 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.450 | 26.510 | 26.420 | 26.480 |
| BAROGRAPH 64 | 26.450 | 26.505 | 26.405 | 26.460 |
| BAR. CORR. 65 | ±0 | *+.005 | +.015 | +.020 |

## SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

| 24-HR. MAX. TEMP. (°F) 66 | 24-HR. MIN. TEMP. (°F) 67 | 24-HR. PRECIP. WATER EQUIV. (Ins.) 68 | 24-HR. SNOWFALL UNMELTED (Ins.) 69 | SNOW DEPTH (Ins.) 70 | PEAK WIND SPEED (Kts.) 71 | PEAK WIND DIRECTION 72 | PEAK WIND TIME (L.S.T.) 73 | THICKNESS OF ICE ON WATER (Ins.) 74 | FROZEN GROUND LAYER (Ins.) TOP 75 | FROZEN GROUND LAYER (Ins.) BASE 76 | RIVER GAGE 77 | SKY COVER SUNRISE TO SUNSET 78 | SKY COVER MIDNIGHT TO MIDNIGHT 79 | WATER EQUIV. (Ins.) 80 | 81 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 49 | 28 | 0 | 0 | 0 | 17 | SW | 1451 | | | | | 7 | 6 | | |

## 90. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE SUNSET

TOTAL SUNSHINE (MIN.) | PERCENT OF POSSIBLE SUNSHINE | CHARACTER OF SUNRISE | CHARACTER OF SUNSET

FASTEST OBSERVED 1-MINUTE WIND SPEED M.P.H. OR FASTEST MILE M.P.H. | ASSOCIATED DIRECTION | TIME

TIME CHECK - CLOCK AT: 0950P ±1 Sec. / 1940P ±1 Sec. / ± Sec.

* BAROGRAPH CHANGED RE-SET TO "0"
2153P / 1074 / 2251P

SP= 00
RS= 00

## WEATHER & OBSTRUCTIONS TO VISION

| TYPE 82 | BEGAN 83 | ENDED 84 | TYPE 86 | BEGAN 87 | ENDED 88 |
|---|---|---|---|---|---|

MF1-10A (1-82)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: 1983 DEC 21

TO CONVERT LST TO GMT: ADD 8 hrs. SUBTRACT ____ hrs.

| TYPE (1) | TIME (LST) (2) | SKY AND CEILING (Hundreds of Feet) (3) | VISIBILITY (Miles) SURFACE (4) | VISIBILITY (Miles) TOWER (4a) | WEATHER AND OBSTRUCTIONS TO VISION (5) | SEA LEVEL PRESS. (Mbs.) (6) | TEMP (°F) (7) | DEW PT. (°F) (8) | WIND DIRECTION (00-36) (9) | WIND SPEED (Kts.) (10) | WIND CHARACTER (11) | ALTIMETER SETTING (Ins.) (12) | REMARKS AND SUPPLEMENTAL CODED DATA (13) | OB. SERVER'S INITIALS (14) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0050 | CLR | 20 | | | 086 | 36 | 20 | 02 | 10 | | 980 | 107 | HS |
| SA | 0147 | CLR | 20 | | | 097 | 33 | 21 | 07 | 05 | | 982 | | HS |
| SA | 0250 | CLR | 20 | | | 101 | 32 | 22 | 08 | 03 | | 983 | | HS |
| SA | 0351 | 250 - SCT | 20 | | | 108 | 30 | 21 | 08 | 06 | | 984 | 114 1008 29 RADAT 56051 | HS |
| SA | 0447 | 250 - BKN | 20 | | | 114 | 31 | 18 | 33 | 04 | | 986 | | HS |
| SA | 0547 | 250 - OVC | 20 | | | 117 | 32 | 19 | 05 | 09 | | 987 | | HS |
| SA | 0650 | 250 - OVC | 20 | | | 123 | 32 | 19 | 07 | 04 | | 988 | 210 1007 | HS |
| SA | 0747 | E250 OVC | 20 | | | 129 | 30 | 21 | 20 | 02 | | 989 | | HS |
| SA | 0848 | E250 OVC | 20 | | | 129 | 36 | 16 | 03 | 07 | | 990 | | HS |
| SA | 0948 | 250 - OVC | 20 | | | 132 | 39 | 20 | 01 | 04 | | 991 | 210 1007 29 | HS |
| SA | 1047 | 250 - OVC | 20 | | | 130 | 41 | 15 | 25 | 05 | | 990 | | HS |
| SA | 1150 | 250 - SCT | 20 | | | 110 | 44 | 20 | 23 | 04 | | 986 | | HS |
| SA | 1249 | 250 - SCT | 20 | | | 098 | 46 | 23 | 23 | 08 | | 982 | 827 1008 | HS |
| SA | 1348 | 250 - SCT | 20 | | | 096 | 46 | 18 | 25 | 11 | | 981 | | HS |
| SA | 1445 | 250 - SCT | 20 | | | 090 | 48 | 19 | 22 | 13 | | 980 | | HS |
| SA | 1553 | 250 - SCT | 20 | | | 099 | 44 | 20 | 10 | 12 | | 981 | 503 1001 49 RADAT 456 062074084 | JC |
| SA | 1655 | 250 - SCT | 20 | | | 104 | 40 | 20 | 12 | 10 | | 982 | | JC |
| SA | 1754 | 250 - SCT | 20 | | | 112 | 39 | 18 | 14 | 07 | | 984 | | JC |
| SA | 1854 | 250 - SCT | 20 | | | 114 | 35 | 20 | 07 | 06 | | 984 | 110 1001 | JC |
| SA | 1952 | 120 SCT 250 SCT | 20 | | | 120 | 35 | 18 | 08 | 06 | | 986 | | JC |
| SA | 2050 | 120 SCT E250 BKN | 20 | | | 123 | 31 | 12 | 01 | 05 | | 987 | | JC |
| SA | 2153 | 120 SCT E250 BKN | 20 | | | 126 | 30 | 19 | 05 | 09 | | 988 | 210 1004 49 | JC |
| SA | 2251 | 120 SCT 250 - BKN | 20 | | | 127 | 29 | 18 | 07 | 05 | | 989 | | JC |
| SA | 2354 | 250 - BKN | 20 | | | 119 | 28 | 17 | 12 | 07 | | 987 | | JC |

A synoptic observation, in WMO code format FM12-VII, is entered on line following related aviation observation.

FM12-VII: Iliii $i_R i_x$hVV Nddff $1s_nTTT$ $2s_nT_dT_dT_d$ $3P_oP_oP_oP_o$ 4PPPP 5appp $6RRRt_R$ $7wwW_1W_2$ $8N_hC_LC_MC_H$

SUPERSEDES MF1-10A (10-78) WHICH MAY BE USED.

☆ U.S. G.P.O. 1982-564-008/1123

MF1-10B (1-82)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: 1983 DEC 22

To convert LST to GMT ADD 8 hrs. SUBTRACT hrs.

| TIME (L.S.T.) 16 | STATION PRESSURE (Ins.) 17 | DRY BULB (°F) 18 | WET BULB (°F) 19 | REL. HUMIDITY (%) 20 | TOTAL SKY COVER 21 | LOWEST LAYER AMT. 22 | LOWEST LAYER TYPE 23 | LOWEST LAYER HEIGHT 24 | SECOND LAYER AMT. 25 | SECOND LAYER TYPE 26 | SECOND LAYER HEIGHT 27 | SUMMATION TOTAL 28 | THIRD LAYER AMT. 29 | THIRD LAYER TYPE 30 | THIRD LAYER HEIGHT 31 | SUMMATION TOTAL 32 | FOURTH LAYER AMT. 33 | FOURTH LAYER TYPE 34 | FOURTH LAYER HEIGHT 35 | TOTAL OPAQUE SKY COVER 36 | PRESSURE TENDENCY 37 | NET 3-HR. CHANGE (Ins.) 38 | SUNSHINE (Min.) 39 | PRECIPITATION (Ins.) 40 | HR. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00 54 | 26.470 | 26.3 | 23.5 | 66 | 9 | 9 | Ci | 250 | | | | | | | | | | | | 2 | 8 | .010 | | | 00-01 |
| 01 47 | 26.480 | 27.3 | 24.3 | 65 | 10 | | | | | | | | | | | | | | | 6 | | | | | 01-02 |
| 02 50 | 26.480 | 29.8 | 26.0 | 60 | 10 | | | | | | | | | | | | | | | 6 | | | | | 02-03 |
| 03 50 | 26.460 | 27.7 | 25.1 | 70 | 8 | 8 | Cs | E250 | | | | | | | | | | | | 5 | 8 | .010 | | | 03-04 |
| 04 47 | 26.470 | 27.0 | 25.2 | 77 | 7 | | | | | | | | | | | | | | | 3 | | | | | 04-05 |
| 05 49 | 26.480 | 26.2 | 24.3 | 75 | 3 | | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 06 47 | 26.490 | 26.3 | 24.3 | 74 | 4 | 4 | Cs | 250 | | | | | | | | | | | | 1 | 2 | .030 | | | 06-07 |
| 07 47 | 26.500 | 27.0 | 25.0 | 75 | 3 | | | | | | | | | | | | | | | 0 | | | | | 07-08 |
| 08 49 | 26.520 | 36.1 | 31.1 | 58 | 2 | | | | | | | | | | | | | | | 0 | | | | | 08-09 |
| 09 51 | 26.540 | 43.0 | 36.2 | 52 | 4 | 0 | Sc | 60 | 4 | Cs | 250 | 4 | | | | | | | | 1 | 2 | .050 | | | 09-10 |
| 10 49 | 26.530 | 46.0 | 36.3 | 38 | 7 | | | | | | | | | | | | | | | 1 | | | | | 10-11 |
| 11 48 | 26.500 | 47.7 | 38.2 | 41 | 10 | | | | | | | | | | | | | | | 2 | | | | | 11-12 |
| 12 49 | 26.470 | 51.6 | 40.9 | 39 | 10 | 0 | Sc | 60 | 1 | Ac | 160 | 1 | 9 | Cs | 250 | 10 | | | | 3 | 8 | .070 | | | 12-13 |
| 13 49 | 26.460 | 51.7 | 40.8 | 38 | 10 | | | | | | | | | | | | | | | 4 | | | | | 13-14 |
| 14 48 | 26.460 | 51.2 | 40.0 | 36 | 10 | | | | | | | | | | | | | | | 4 | | | | | 14-15 |
| 15 53 | 26.470 | 46.3 | 36.6 | 38 | 10 | 0 | Sc | 60 | 2 | Ac | 140 | 2 | 10 | Ci | 250 | 10 | | | | 3 | 5 | .000 | | | 15-16 |
| 16 55 | 26.470 | 43.8 | 35.2 | 41 | 10 | | | | | | | | | | | | | | | 3 | | | | | 16-17 |
| 17 49 | 26.480 | 41.6 | 34.6 | 49 | 10 | | | | | | | | | | | | | | | 6 | | | | | 17-18 |
| 18 53 | 26.480 | 41.9 | 34.5 | 47 | 8 | 2 | Ac | 140 | 6 | Ci | 250 | 8 | | | | | | | | 3 | 2 | .010 | | | 18-19 |
| 19 55 | 26.510 | 38.6 | 32.3 | 51 | 9 | | | | | | | | | | | | | | | 4 | | | | | 19-20 |
| 20 54 | 26.530 | 38.4 | 33.3 | 59 | 8 | | | | | | | | | | | | | | | 3 | | | | | 20-21 |
| 21 53 | 26.540 | 36.8 | 32.0 | 61 | 9 | 1 | Ac | 140 | 8 | Ci | 250 | 9 | | | | | | | | 2 | 1 | .060 | | | 21-22 |
| 22 54 | 26.540 | 35.6 | 33.2 | 71 | 6 | | | | | | | | | | | | | | | 1 | | | | | 22-23 |
| 23 52 | 26.540 | 34.3 | 31.1 | 72 | 5 | | | | | | | | | | | | | | | 1 | | | | | 23-24 |

CLOUDS AND OBSCURING PHENOMENA

## SYNOPTIC OBSERVATIONS

| TIME (G.M.T.) 41 | TIME (L.S.T.) 42 | NO. 43 | PRECIP. (Ins.) 44 | SNOW FALL (Ins.) 45 | SNOW DEPTH (Ins.) 46 | MAX. TEMP. (°F) 47 | MIN. TEMP. (°F) 48 | 49 | STATE OF GRND. 50 | 51 | 52 | 53 | 54 | 55 | SOIL TEMP. 56 | 57 | 58 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MID. TO 0346 | X | 0 | X | | 32 | 23 | X | X | | | | | | X | | |
| | 0346 | 1 | 0 | 0 | 0 | 30 | 23 | | 0 | | | | | | | | |
| | 0947 | 2 | 0 | 0 | 0 | 45 | 24 | | 0 | | | | | | | | |
| | 1548 | 3 | 0 | 0 | 0 | 53 | 43 | | 0 | | | | | | | | |
| | 2149 | 4 | 0 | 0 | 0 | 47 | 36 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 37 | 34 | X | X | | | | | | X | | |

STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0349 | 0950 | 1550 | 2151 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.460 | 26.540 | 26.470 | 26.540 |
| BAROGRAPH 64 | 26.450 | 26.520 | 26.450 | 26.510 |
| BAR. CORR. 65 | +.010 | +.020 | +.020 | +.030 |

## SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

| 24-HR. MAX. TEMP. (°F) 66 | 24-HR. MIN. TEMP. (°F) 67 | 24-HR. PRECIP. WATER EQUIV. (Ins.) 68 | 24-HR. SNOWFALL UNMLTD (Ins.) 69 | SNOW DEPTH (Ins.) 70 | PEAK WIND SPEED (Kts.) 71 | PEAK WIND DIRECTION 72 | PEAK WIND TIME (L.S.T.) 73 | THICKNESS OF ICE ON WATER (Ins.) 74 | FROZEN GROUND LAYER (Ins.) TOP 75 | FROZEN GROUND LAYER (Ins.) BASE 76 | RIVER GAGE 77 | SKY COVER SUNRISE TO SUNSET 78 | SKY COVER MIDNIGHT TO MIDNIGHT 79 | WATER EQUIV. (Ins.) 80 | 81 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 53 | 23 | 0 | 0 | 0 | 20 | SW | 1406 | | | | | 7 | 8 | | |

WEATHER & OBSTRUCTIONS TO VISION

| TYPE 82 | BEGAN 83 | ENDED 84 | TYPE 86 | BEGAN 87 | ENDED 88 |
|---|---|---|---|---|---|

## 90. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE SUNSET

TOTAL SUNSHINE (MIN.) | PERCENT OF POSSIBLE SUNSHINE | CHARACTER OF SUNRISE | CHARACTER OF SUNSET

FASTEST OBSERVED 1-MINUTE WIND SPEED M.P.H. | OR FASTEST MILE M.P.H. | ASSOCIATED DIRECTION | TIME

TIME CHECK - CLOCK AT: 0955P @ 1 Sec./ 1921P @ 1 Sec./ ± Sec.

0447P / 0447P

SP = 00

RS = 00

MF1-10A (1-82)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: 1983 DEC 22

TO CONVERT LST TO GMT ADD 8 hrs. SUBTRACT ____ hrs.

| TYPE (1) | TIME (LST) (2) | SKY AND CEILING (Hundreds of Feet) (3) | VISIBILITY (Miles) SURFACE (14) | VISIBILITY (Miles) TOWER (14a) | WEATHER AND OBSTRUCTIONS TO VISION (5) | SEA LEVEL PRESS. (Mb.) (6) | TEMP (°F) (7) | DEW PT. (°F) (8) | WIND DIRECTION (00-36) (9) | WIND SPEED (Kts.) (10) | WIND CHARACTER (11) | ALTIMETER SETTING (Ins.) (12) | REMARKS AND SUPPLEMENTAL CODED DATA (13) | OB. METHOD (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0054 | 250 -BKN | 20 | | | 119 | 26 | 16 | 34 | 04 | | 987 | 803 1001 | JC |
| SA | 0142 | E250 OVC | 20 | | | 122 | 27 | 17 | 08 | 03 | | 988 | | JC |
| SA | 0250 | E250 OVC | 20 | | | 120 | 30 | 18 | 07 | 02 | | 988 | | JC |
| SA | 0350 | E250 BKN | 20 | | | 115 | 28 | 19 | 04 | 07 | | 986 | 803 1008 23 | / |
| — | — | ~~250 -BKN~~ | 2 | | | | | | | | | | RADAT 57L 034 067 070/1 | HS |
| SA | 0447 | 250 - BBN | 20 | | | 123 | 27 | 21 | 16 | 03 | | 987 | | HS |
| SA | 0549 | 250 - SCT | 20 | | | 128 | 26 | 20 | 05 | 06 | | 988 | | HS |
| SA | 0647 | 250 - SCT | 20 | | | 134 | 26 | 19 | 08 | 03 | | 989 | 210 1008 | HS |
| SA | 0747 | 250 - SCT | 20 | | | 138 | 27 | 20 | 12 | 06 | | 990 | | HS |
| SA | 0849 | 250 - SCT | 20 | | | 141 | 36 | 23 | 00 | 00 | | 992 | | HS |
| SA | 0951 | 250 - SCT | 20 | | | 145 | 43 | 27 | 00 | 00 | | 994 | 217 1508 23 | HS |
| SA | 1049 | 250 -BKN | 20 | | | 141 | 46 | 22 | 00 | 00 | | 993 | FEW SC | HS |
| SA | 1148 | 250 - OVC | 20 | | | 128 | 48 | 25 | 17 | 04 | | 990 | FEW SC | HS |
| SA | 1249 | 160 SCT 250 - OVC | 20 | | | 116 | 52 | 27 | 26 | 03 | | 987 | 824 1578 | HS |
| SA | 1349 | 160 SCT 250 - OVC | 20 | | | 111 | 52 | 27 | 23 | 17 | | 986 | FEW SC | HS |
| SA | 1448 | 160 SCT 250 - OVC | 20 | | | 109 | 51 | 25 | 13 | 05 | | 986 | FEW SC | HS |
| SA | 1553 | 140 SCT 250 - OVC | 20 | | | 118 | 46 | 22 | 13 | 09 | | 987 | 500 1571 53 RADAT | JC |
| / | | | | | | | | | | | | | 71L 070077079 | / |
| SA | 1655 | 140 SCT 250 - OVC | 20 | | | 120 | 44 | 22 | 13 | 10 | | 987 | | JC |
| SA | 1749 | 140 SCT E250 OVC | 20 | | | 125 | 42 | 24 | 13 | 11 | | 988 | | JC |
| SA | 1853 | 140 SCT 250 - BKN | 20 | | | 125 | 42 | 23 | 11 | 07 | | 988 | 203 1071 | JC |
| SA | 1955 | 140 SCT 250 - BKN | 20 | | | 139 | 39 | 22 | 06 | 09 | | 991 | | JC |
| SA | 2054 | 140 SCT 250 - BKN | 20 | | | 140 | 38 | 26 | 07 | 02 | | 993 | | JC |
| SA | 2153 | 140 SCT 250 - BKN | 20 | | | 141 | 37 | 25 | 13 | 05 | | 994 | 120 1071 53 | JC |
| SA | 2254 | 250 - BKN | 20 | | | 140 | 36 | 27 | 12 | 03 | | 994 | | JC |
| SA | 2352 | 250 - SCT | 20 | | | 140 | 34 | 26 | 01 | 09 | | 994 | | JC |

A synoptic observation, in WMO code format FM12-VII, is entered on line following related aviation observation.

FM12-VII: Iliii $i_R i_x$hVV Nddff $1s_nTTT$ $2s_nT_dT_dT_d$ $3P_oP_oP_oP_o$ 4PPPP 5appp $6RRR_{t_R}$ $7wwW_1W_2$ $8N_hC_LC_MC_H$

SUPERSEDES MF1-10A (10-78) WHICH MAY BE USED.

☆ U.S. G.P.O. 1982-564-008/1123

MF1-10B (1-82)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: 1983 DEC 23

To convert LST to GMT ADD 8 hrs. SUBTRACT ____ hrs.

| TIME (L.S.T.) 16 | STATION PRESSURE (Ins.) 17 | DRY BULB (°F) 18 | WET BULB (°F) 19 | REL. HUMIDITY (%) 20 | TOTAL SKY COVER 21 | LOWEST LAYER AMT. 22 | LOWEST LAYER TYPE 23 | LOWEST LAYER HEIGHT 24 | SECOND LAYER AMT. 25 | SECOND LAYER TYPE 26 | SECOND LAYER HEIGHT 27 | SUMMATION TOTAL 28 | THIRD LAYER AMT. 29 | THIRD LAYER TYPE 30 | THIRD LAYER HEIGHT 31 | SUMMATION TOTAL 32 | FOURTH LAYER AMT. 33 | FOURTH LAYER TYPE 34 | FOURTH LAYER HEIGHT 35 | TOTAL OPAQUE SKY COVER 36 | PRESSURE TENDENCY 37 | NET 3-HR. CHANGE (Ins.) 38 | SUNSHINE (Min.) 39 | PRECIPITATION (Ins.) 40 | HR. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00 51 | 26.550 | 35.8 | 33.0 | 26 | 5 | 5 | Ci | 250 | | | | | | | | | | | | 2 | 3 | .010 | | | 00-01 |
| 01 54 | 26.560 | 35.7 | 33.0 | 77 | 8 | | | | | | | | | | | | | | | 2 | | | | | 01-02 |
| 02 50 | 26.560 | 35.0 | 31.9 | 73 | 9 | | | | | | | | | | | | | | | 3 | | | | | 02-03 |
| 03 51 | 26.540 | 30.9 | 29.8 | 88 | 10 | 10 | Ci | 250 | | | | | | | | | | | | 3 | 8 | .010 | | | 03-04 |
| 04 49 | 26.540 | 30.6 | 29.9 | 94 | 10 | | | | | | | | | | | | | | | 6 | | | | | 04-05 |
| 05 49 | 26.560 | 29.9 | 29.0 | 89 | 10 | | | | | | | | | | | | | | | 7 | | | | | 05-06 |
| 06 49 | 26.570 | 32.0 | 29.4 | 75 | 7 | 0 | Sc | 60 | 3 | Ac | 150 | 3 | 4 | Ci | 250 | 7 | | | | 3 | 3 | .030 | | | 06-07 |
| 07 48 | 26.600 | 31.1 | 30.0 | 90 | 10 | | | | | | | | | | | | | | | 6 | | | | | 07-08 |
| 08 47 | 26.600 | 39.6 | 35.4 | 68 | 10 | | | | | | | | | | | | | | | 7 | | | | | 08-09 |
| 09 47 | 26.600 | 43.1 | 38.0 | 64 | 10 | 0 | Sc | 60 | 3 | Ac | 150 | 3 | 7 | Cs | E250 | 10 | | | | 6 | 1 | .030 | | | 09-10 |
| 10 48 | 26.600 | 45.8 | 40.2 | 62 | 10 | | | | | | | | | | | | | | | 6 | | | | | 10-11 |
| 11 49 | 26.570 | 48.8 | 42.1 | 58 | 10 | | | | | | | | | | | | | | | 6 | | | | | 11-12 |
| 12 48 | 26.550 | 51.0 | 42.3 | 49 | 10 | 0 | Sc | 90 | 2 | Ac | 170 | 2 | 8 | Cs | 250 | 10 | | | | 5 | 8 | .050 | | | 12-13 |
| 13 48 | 26.540 | 52.0 | 44.7 | 57 | 10 | | | | | | | | | | | | | | | 6 | | | | | 13-14 |
| 14 45 | 26.550 | 51.1 | 42.2 | 48 | 10 | | | | | | | | | | | | | | | 4 | | | | | 14-15 |
| 15 53 | 26.560 | 49.9 | 41.3 | 48 | 10 | 0 | Ac | 160 | 10 | Cs | 250 | 10 | | | | | | | | 4 | 3 | .040 | | | 15-16 |
| 16 55 | 26.570 | 46.0 | 40.0 | 60 | 10 | | | | | | | | | | | | | | | 4 | | | | | 16-17 |
| 17 54 | 26.580 | 44.1 | 38.6 | 62 | 10 | | | | | | | | | | | | | | | 7 | | | | | 17-18 |
| 18 53 | 26.580 | 40.1 | 36.2 | 70 | 10 | 10 | Cs | E250 | | | | | | | | | | | | 10 | 1 | .020 | | | 18-19 |
| 19 54 | 26.590 | 39.8 | 36.4 | 73 | 10 | | | | | | | | | | | | | | | 8 | | | | | 19-20 |
| 20 52 | 26.600 | 36.0 | 32.8 | 73 | 7 | | | | | | | | | | | | | | | 3 | | | | | 20-21 |
| 21 53 | 26.600 | 36.2 | 33.5 | 77 | 7 | 7 | Ci | 250 | | | | | | | | | | | | 2 | 1 | .020 | | | 21-22 |
| 22 54 | 26.600 | 36.1 | 33.7 | 80 | 9 | | | | | | | | | | | | | | | 4 | | | | | 22-23 |
| 23 53 | 26.610 | 32.3 | 34.2 | 78 | 10 | | | | | | | | | | | | | | | 8 | | | | | 23-24 |

## SYNOPTIC OBSERVATIONS

| TIME (G.M.T.) 41 | TIME (L.S.T.) 42 | NO. 43 | PRECIP. (Ins.) 44 | SNOW FALL (Ins.) 45 | SNOW DEPTH (Ins.) 46 | MAX. TEMP. (°F) 47 | MIN. TEMP. (°F) 48 | 49 | STATE OF GRND. 50 | 51 | 52 | 53 | 54 | 55 | SOIL TEMP. 56 | 57 | 58 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MID. TO 0347 | X | 0 | 0 | X | 36 | 30 | X | X | | | | | | X | | |
| | 0347 | 1 | 0 | 0 | 0 | 37 | 30 | | 0 | | | | | | | | |
| | 0943 | 2 | 0 | 0 | 0 | 43 | 29 | | 0 | | | | | | | | |
| | 1548 | 3 | 0 | 0 | 0 | 53 | 43 | | 0 | | | | | | | | |
| | 2147 | 4 | 0 | 0 | 0 | 50 | 36 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 37 | 36 | X | X | | | | | | X | | |

## STATION PRESSURE COMPUTATIONS

| TIME (L.S.T.) 59 | 0350 | 0946 | 1550 | 2149 |
|---|---|---|---|---|
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.540 | 26.600 | 26.560 | 26.600 |
| BAROGRAPH 64 | 26.570 | 26.580 | 26.540 | 26.580 |
| BAR. CORR. 65 | +.020 | +.020 | +.020 | +.020 |

## SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

| 24-HR. MAX. TEMP. (°F) 66 | 24-HR. MIN. TEMP. (°F) 67 | 24-HR. PRECIP. WATER EQUIV. (Ins.) 68 | 24-HR. SNOWFALL UNTIL TO (Ins.) 69 | SNOW DEPTH (Ins.) 70 | PEAK WIND SPEED (Kts.) 71 | PEAK WIND DIRECTION 72 | PEAK WIND TIME (L.S.T.) 73 | THICKNESS OF ICE ON WATER (Ins.) 74 | FROZEN GROUND LAYER (Ins.) TOP 75 | FROZEN GROUND LAYER (Ins.) BASE 76 | RIVER GAGE 77 | SKY COVER SUNRISE TO SUNSET 78 | SKY COVER MIDNIGHT TO MIDNIGHT 79 | WATER EQUIV. (Ins.) 80 | 81 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 53 | 29 | 0 | 0 | 0 | 11 | SE | 1553 | | | | | 10 | 9 | | |

## WEATHER & OBSTRUCTIONS TO VISION

| TYPE 82 | BEGAN 83 | ENDED 84 | TYPE 86 | BEGAN 87 | ENDED 88 |
|---|---|---|---|---|---|
| | | | | | |

## 90. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE SUNSET

TOTAL SUNSHINE (MIN.) | PERCENT OF POSSIBLE SUNSHINE | CHARACTER OF SUNRISE | CHARACTER OF SUNSET

FASTEST OBSERVED 1-MINUTE WIND SPEED M.P.H. OR FASTEST MILE M.P.H. | ASSOCIATED DIRECTION | TIME

TIME CHECK - CLOCK AT: 0950P ±1 Sec./ 1940P ±1 Sec./ ± Sec.

SP = 00
RS = 00

MF1-10A
(1-82)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

## SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: 1983 DEC 23

TO CONVERT LST TO GMT: ADD 8 hrs. SUBTRACT ____ hrs.

| TYPE (1) | TIME (LST) (2) | SKY AND CEILING (Hundreds of Feet) (3) | VISIBILITY (Miles) SURFACE (4) | VISIBILITY (Miles) TOWER (4a) | WEATHER AND OBSTRUCTIONS TO VISION (5) | SEA LEVEL PRESS. (Mbs.) (6) | TEMP (°F) (7) | DEW PT. (°F) (8) | WIND DIRECTION (00-36) (9) | WIND SPEED (Kts.) (10) | WIND CHARACTER (11) | ALTIMETER SETTING (Ins.) (12) | REMARKS AND SUPPLEMENTAL CODED DATA (13) | OBSERVERS INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0051 | 250 -SCT | 20 | | | 140 | 36 | 29 | 32 | 07 | | 996 | 303 1001 | JC |
| SA | 0154 | 250 -BKN | 20 | | | 144 | 36 | 29 | 01 | 06 | | 997 | | JC |
| SA | 0250 | 250 -BKN | 20 | | | 144 | 35 | 27 | 00 | 00 | | 997 | | JC |
| SA | 0351 | 250- OVC | 20 | | | 143 | 31 | 28 | 09 | 06 | | 994 | 803 1001 30 | |
| | | | | | | | | | | | | | RADAT 75L 065 078 085 | HS |
| SA | 0449 | E250 OVC | 20 | | | 145 | 31 | 29 | 10 | 04 | | 994 | | HS |
| SA | 0549 | E250 OVC | 20 | | | 152 | 30 | 27 | 00 | 00 | | 997 | | HS |
| SA | 0649 | 150 SCT 250-BKN | 20 | | | 156 | 32 | 25 | 00 | 00 | | 998 | 310 1571 | HS |
| SA | 0748 | 150 SCT E250 OVC | 20 | | | 170 | 31 | 29 | 10 | 06 | | 001 | FEW SC | HS |
| SA | 0847 | 150 SCT E250 OVC | 20 | | | 166 | 40 | 30 | 00 | 00 | | 001 | FEW SC | HS |
| SA | 0947 | 150 SCT E250 OVC | 20 | | | 164 | 43 | 32 | 26 | 05 | | 001 | 110 1578 29 | HS |
| SA | 1048 | 90 SCT 170 SCT E250 OVC | 20 | | | 163 | 46 | 34 | 30 | 06 | | 001 | | HS |
| SA | 1149 | 170 SCT E250 OVC | 20 | | | 151 | 49 | 35 | 02 | 03 | | 998 | FEW SC | HS |
| SA | 1248 | 170 SCT 250 -OVC | 20 | | | 139 | 51 | 32 | 08 | 05 | | 996 | 817 1578 | HS |
| SA | 1348 | E250 OVC | 20 | | | 135 | 52 | 37 | 11 | 05 | | 994 | | HS |
| SA | 1445 | 250 - OVC | 20 | | | 140 | 51 | 32 | 11 | 07 | | 996 | | HS |
| SA | 1553 | 250 -OVC | 20 | | | 146 | 50 | 31 | 13 | 11 | | 997 | 303 1077 53 RADAT | JC |
| | | | | | | | | | | | | | 54110 | |
| SA | 1655 | 250 -OVC | 20 | | | 154 | 46 | 33 | 13 | 07 | | 998 | | JC |
| SA | 1754 | E250 OVC | 20 | | | 160 | 44 | 32 | 08 | 04 | | 999 | | JC |
| SA | 1853 | E250 OVC | 20 | | | 161 | 40 | 31 | 04 | 07 | | 999 | 107 1007 | JC |
| SA | 1954 | E250 OVC | 20 | | | 165 | 40 | 32 | 36 | 05 | | 000 | | JC |
| SA | 2052 | 250-BKN | 20 | | | 166 | 36 | 28 | 04 | 05 | | 001 | | JC |
| SA | 2153 | 250 -BKN | 20 | | | 165 | 36 | 30 | 09 | 05 | | 001 | 107 1001 53 | JC |
| SA | 2254 | 250-BKN | 20 | | | 163 | 36 | 30 | 05 | 07 | | 001 | FEW AC NE | JC |
| SA | 2353 | 140 SCT E250 OVC | 20 | | | 165 | 37 | 31 | 05 | 02 | | 002 | | JC |

A synoptic observation, in WMO code format FM12-VII, is entered on line following related aviation observation.

FM12-VII: Iliii $i_R i_x$hVV Nddff $1s_nTTT$ $2s_nT_dT_dT_d$ $3P_oP_oP_oP_o$ 4PPPP 5appp $6RRRt_R$ $7wwW_1W_2$ $8N_hC_LC_MC_H$

SUPERSEDES MF1-10A (10-78) WHICH MAY BE USED.

☆ U.S. G.P.O. 1982-564-008/1123

MF1-10B
(1-82)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: 1983 DEC 24

To convert LST to GMT ADD 8 hrs. SUBTRACT ____ hrs.

| TIME (L.S.T.) 16 | STATION PRESSURE (Ins.) 17 | DRY BULB (°F) 18 | WET BULB (°F) 19 | REL. HUMIDITY (%) 20 | TOTAL SKY COVER 21 | LOWEST LAYER AMT. 22 | LOWEST LAYER TYPE 23 | LOWEST LAYER HEIGHT 24 | SECOND LAYER AMT. 25 | SECOND LAYER TYPE 26 | SECOND LAYER HEIGHT 27 | SUMMATION TOTAL 28 | THIRD LAYER AMT. 29 | THIRD LAYER TYPE 30 | THIRD LAYER HEIGHT 31 | SUMMATION TOTAL 32 | FOURTH LAYER AMT. 33 | FOURTH LAYER TYPE 34 | FOURTH LAYER HEIGHT 35 | TOTAL OPAQUE SKY COVER 36 | PRESSURE TENDENCY 37 | NET 3-HR. CHANGE (Ins.) 38 | SUNSHINE (Min.) 39 | PRECIPITATION (Ins.) 40 | HR. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00 54 | 26.620 | 37.7 | 35.2 | 79 | 10 | 2 | Ac | 140 | 8 | Ci | 250 | 10 | | | | | | | | 4 | 3 | .020 | | | 00-01 |
| 01 53 | 26.620 | 36.4 | 34.1 | 80 | 10 | | | | | | | | | | | | | | | 3 | | | | | 01-02 |
| 02 50 | 26.620 | 38.4 | 35.3 | 75 | 10 | | | | | | | | | | | | | | | 8 | | | | | 02-03 |
| 03 50 | 26.620 | 38.4 | 36.0 | 80 | 10 | 7 | Ac | E140 | 3 | Cs | 250 | 10 | | | | | | | | 9 | 4 | .000 | | | 03-04 |
| 04 48 | 26.610 | 41.3 | 38.1 | 76 | 10 | | | | | | | | | | | | | | | 10 | | | | | 04-05 |
| 05 48 | 26.620 | 40.7 | 37.8 | 78 | 10 | | | | | | | | | | | | | | | 10 | | | | | 05-06 |
| 06 49 | 26.620 | 42.5 | 38.2 | 69 | 10 | 8 | Ac | E130 | 2 | Cs | 250 | 10 | | | | | | | | 10 | 5 | .000 | | | 06-07 |
| 07 48 | 26.630 | 44.0 | 39.2 | 60 | 10 | | | | | | | | | | | | | | | 9 | | | | | 07-08 |
| 08 48 | 26.640 | 45.1 | 40.0 | 65 | 10 | | | | | | | | | | | | | | | 9 | | | | | 08-09 |
| 09 49 | 26.650 | 49.1 | 43.0 | 62 | 10 | 3 | Sc | 80 | 6 | Ac | E130 | 9 | 1 | Cs | 250 | 10 | | | | 9 | 2 | .030 | | | 09-10 |
| 10 46 | 26.640 | 51.6 | 44.0 | 55 | 10 | | | | | | | | | | | | | | | 9 | | | | | 10-11 |
| 11 47 | 26.620 | 53.8 | 45.2 | 52 | 9 | | | | | | | | | | | | | | | 9 | | | | | 11-12 |
| 12 47 | 26.590 | 54.0 | 46.3 | 57 | 10 | 4 | Sc | 80 | 6 | Ac | E130 | 10 | | | | | | | | 10 | 8 | .060 | | | 12-13 |
| 13 48 | 26.580 | 54.0 | 45.7 | 54 | 10 | | | | | | | | | | | | | | | 10 | | | | | 13-14 |
| 14 47 | 26.580 | 53.6 | 45.7 | 55 | 10 | | | | | | | | | | | | | | | 10 | | | | | 14-15 |
| 15 53 | 26.580 | 50.8 | 48.4 | 83 | 10 | 5 | Sc | 80 | 5 | Ac | E130 | 10 | | | | | | | | 10 | 5 | .000 | | | 15-16 |
| 16 54 | 26.590 | 49.2 | 48.0 | 92 | 10 | | | | | | | | | | | | | | | 10 | | | | | 16-17 |
| 17 55 | 26.630 | 47.8 | 46.7 | 93 | 10 | | | | | | | | | | | | | | | 10 | | | | | 17-18 |
| 18 54 | 26.670 | 48.7 | 47.7 | 93 | 10 | 3 | Sc | 15 | 7 | Ns | M30 | 10 | | | | | | | | 10 | 3 | .080 | | | 18-19 |
| 19 49 | 26.670 | 47.1 | 46.2 | 94 | 10 | | | | | | | | | | | | | | | 10 | | | | | 19-20 |
| 20 50 | 26.620 | 46.7 | 45.7 | 93 | 10 | | | | | | | | | | | | | | | 10 | | | | | 20-21 |
| 21 53 | 26.640 | 46.6 | 45.3 | 91 | 10 | 5 | Sc | 15 | 5 | Ns | M35 | 10 | | | | | | | | 10 | 5 | .030 | | | 21-22 |
| 22 52 | 26.630 | 46.0 | 44.6 | 91 | 10 | | | | | | | | | | | | | | | 10 | | | | | 22-23 |
| 23 53 | 26.630 | 45.6 | 44.8 | 95 | 9 | | | | | | | | | | | | | | | 9 | | | | | 23-24 |

## SYNOPTIC OBSERVATIONS

| TIME (G.M.T.) 41 | TIME (L.S.T.) 42 | NO. 43 | PRECIP. (Ins.) 44 | SNOW FALL (Ins.) 45 | SNOW DEPTH (Ins.) 46 | MAX. TEMP. (°F) 47 | MIN. TEMP. (°F) 48 | 49 | STATE OF GRND. 50 | 51 | 52 | 53 | 54 | 55 | SOIL TEMP. 56 | 57 | 58 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MID. TO 0346 | | 0 | 0 | | 38 | 34 | | | | | | | | | | |
| | 0346 | 1 | 0 | 0 | 0 | 38 | 34 | | 0 | | | | | | | | |
| | 0946 | 2 | 0 | 0 | 0 | 49 | 37 | | 0 | | | | | | | | |
| | 1547 | 3 | .01 | 0 | 0 | 55 | 49 | | 2 | | | | | | | | |
| | 2148 | 4 | .23 | 0 | 0 | 53 | 46 | | 2 | | | | | | | | |
| | MID. | | 0 | 0 | 0 | 47 | 45 | | | | | | | | | | |

## STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0349 | 0949 | 1549 | 2150 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.620 | 26.650 | 26.590 | 26.640 |
| BAROGRAPH 64 | 26.600 | 26.630 | 26.560 | 26.610 |
| BAR. CORR. 65 | +.020 | +.020 | +.030 | +.030 |

## SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

| 24-HR. MAX. TEMP. (°F) 66 | 24-HR. MIN. TEMP. (°F) 67 | 24-HR. PRECIP. WATER EQUIV. (Ins.) 68 | 24-HR. SNOWFALL UNMLTD (Ins.) 69 | SNOW DEPTH (Ins.) 70 | PEAK WIND SPEED (Kts.) 71 | PEAK WIND DIRECTION 72 | PEAK WIND TIME (L.S.T.) 73 | THICKNESS OF ICE ON WATER (Ins.) 74 | FROZEN GROUND LAYER TOP 75 | FROZEN GROUND LAYER BASE 76 | RIVER GAGE 77 | SKY COVER SUNRISE TO SUNSET 78 | SKY COVER MIDNIGHT TO MIDNIGHT 79 | WATER EQUIV. (Ins.) 80 | 81 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 55 | 34 | .24 | 0 | 0 | 18 | S | 2037 | | | | | 10 | 10 | | |

## WEATHER & OBSTRUCTIONS TO VISION

| TYPE 82 | BEGAN 83 | ENDED 84 | TYPE 86 | BEGAN 87 | ENDED 88 |
|---|---|---|---|---|---|
| R- | 1518 | 2140 | | | |

## 90. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE SUNSET

TOTAL SUNSHINE (MIN.) PERCENT OF POSSIBLE SUNSHINE CHARACTER OF SUNRISE CHARACTER OF SUNSET

FASTEST OBSERVED MINUTE WIND SPEED M.P.H. OR FASTEST MILE M.P.H. ASSOCIATED DIRECTION TIME

TIME CHECK - CLOCK AT: 0951P ±1 Sec./ 1909P ±1 Sec./ ± Sec.

SP=00
RS=00

MF1-10B (1-82) SUPERSEDES MF1-10B (2-79) WHICH MAY BE USED.

☆U.S. G.P.O. 1982-564-008/1034

MF1-10A (1-82)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: 1983 DEC 24

TO CONVERT LST TO GMT: ADD 8 hrs. SUBTRACT ____ hrs.

| TYPE (1) | TIME (LST) (2) | SKY AND CEILING (Hundreds of Feet) (3) | VISIBILITY (Miles) SURFACE (4) | VISIBILITY (Miles) TOWER (4a) | WEATHER AND OBSTRUCTIONS TO VISION (5) | SEA LEVEL PRESS. (Mbs.) (6) | TEMP (°F) (7) | DEW PT. (°F) (8) | WIND DIRECTION (100-36) (9) | WIND SPEED (Kts.) (10) | WIND CHARACTER (11) | ALTIMETER SETTING (Ins.) (12) | REMARKS AND SUPPLEMENTAL CODED DATA (13) | OB. REPORTED INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0054 | 140 SCT 250 - OVC | 20 | | | 166 | 38 | 32 | 10 | 03 | | 003 | 302 1071 | JC |
| SA | 0153 | 140 SCT 250 - OVC | 20 | | | 167 | 36 | 31 | 07 | 06 | | 003 | | JC |
| SA | 0250 | E140 BKN 250 OVC | 20 | | | 166 | 38 | 31 | 35 | 06 | | 003 | | JC |
| SA | 0350 | E140 BKN 250 OVC | 20 | | | 166 | 38 | 33 | 02 | 06 | | 003 | 400 1078 34 RADAT 45117 | HS |
| SA | 0449 | E140 BKN 250 OVC | 20 | | | 163 | 41 | 34 | 00 | 00 | | 002 | | HS |
| SA | 0548 | E140 BKN 250 OVC | 20 | | | 169 | 41 | 34 | 10 | 05 | | 003 | | HS |
| SA | 0649 | E130 BKN 250 OVC | 20 | | | 170 | 43 | 33 | 09 | 10 | | 003 | 500 1078 | HS |
| SA | 0748 | E130 BKN 250 OVC | 20 | | | 174 | 44 | 31 | 09 | 03 | | 004 | VIRGA SE | HS |
| SA | 0848 | E130 BKN 250 OVC | 20 | | | 178 | 45 | 34 | 05 | 04 | | 005 | FEW SC | HS |
| SA | 0949 | 80 SCT E130 BKN 250 OVC | 20 | | | 180 | 49 | 37 | 31 | 07 | | 007 | 210 1578 34 | HS |
| SA | 1046 | 80 SCT E130 OVC | 20 | | | 174 | 52 | 36 | 30 | 05 | | 005 | BINOVC | HS |
| SA | 1147 | 80 SCT E130 BKN | 20 | | | 165 | 54 | 37 | 23 | 07 | | 003 | | HS |
| SA | 1247 | 80 SCT E130 OVC | 20 | | | 152 | 54 | 39 | 26 | 04 | | 000 | 820 1571 | HS |
| SA | 1348 | 80 SCT E130 OVC | 20 | | | 150 | 54 | 38 | 23 | 03 | | 999 | | HS |
| SA | 1447 | 80 SCT E130 OVC | 20 | | | 149 | 54 | 38 | 31 | 05 | | 999 | | HS |
| SA | 1553 | 80 SCT E130 OVC | 15 | | R- | 154 | 53 | 44 | 36 | 06 | | 000 | RB18 50001 157/55 | JC |
| / | | | | | | | | | | | | | RADAT 94122 | / |
| SA | 1654 | M50 BKN 80 OVC | 10 | | R- | 154 | 49 | 47 | 20 | 05 | | 000 | | JC |
| SA | 1755 | M45 OVC | 7 | | R- | 169 | 48 | 46 | 05 | 02 | | 004 | | JC |
| SA | 1854 | 15 SCT M30 OVC | 7 | | R- | 184 | 49 | 47 | 17 | 05 | | 009 | 32706 172/ | JC |
| SA | 1949 | 15 SCT M30 OVC | 7 | | R- | 184 | 47 | 45 | 36 | 07 | | 009 | | JC |
| SA | 2050 | 15 SCT M40 OVC | 7 | | R- | 164 | 47 | 45 | 18 | 11 | | 003 | | JC |
| SA | 2153 | 15 SCT M35 OVC | 10 | | | 170 | 47 | 44 | 14 | 12 | | 005 | RE40 51023 172/55 | JC |
| SA | 2252 | 15 SCT M35 BKN 80 OVC | 10 | | | 165 | 46 | 43 | 22 | 06 | | 004 | | JC |
| SA | 2353 | 35 SCT E80 BKN | 20 | | | 164 | 46 | 44 | 02 | 06 | | 004 | | JC |

A synoptic observation, in WMO code format FM12-VII, is entered on line following related aviation observation.

FM12-VII: Iliii $i_R i_x$hVV Nddff $1s_nTTT$ $2s_nT_dT_dT_d$ $3P_oP_oP_oP_o$ 4PPPP 5appp 6RRR$t_R$ 7wwW$_1$W$_2$ 8N$_h$C$_L$C$_M$C$_H$

SUPERSEDES MF1-10A (10-78) WHICH MAY BE USED.

☆ U.S. G.P.O. 1982-564-008/1123

MF1-10B (1-82)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: 1983 DEC 25

To convert LST to GMT ADD 8 hrs. SUBTRACT ___ hrs.

| TIME (L.S.T.) 16 | STATION PRESSURE (Ins.) 17 | DRY BULB (°F) 18 | WET BULB (°F) 19 | REL. HUMIDITY (%) 20 | TOTAL SKY COVER 21 | LOWEST LAYER AMT. 22 | LOWEST LAYER TYPE 23 | LOWEST LAYER HEIGHT 24 | SECOND LAYER AMT. 25 | SECOND LAYER TYPE 26 | SECOND LAYER HEIGHT 27 | SUMMATION TOTAL 28 | THIRD LAYER AMT. 29 | THIRD LAYER TYPE 30 | THIRD LAYER HEIGHT 31 | SUMMATION TOTAL 32 | FOURTH LAYER AMT. 33 | FOURTH LAYER TYPE 34 | FOURTH LAYER HEIGHT 35 | TOTAL OPAQUE SKY COVER 36 | PRESSURE TENDENCY 37 | NET 3-HR. CHANGE (Ins.) 38 | SUNSHINE (Min.) 39 | PRECIPITATION (Ins.) 40 | HR. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00 45 | 26.590 | 44.7 | 43.5 | 91 | 9 | 3 | Sc | 40 | 6 | Ac | 150 | 9 | | | | | | | | 9 | 8 | .050 | | | 00-01 |
| 01 45 | 26.600 | 44.6 | 43.8 | 94 | 10 | | | | | | | | | | | | | | | 10 | | | | | 01-02 |
| 02 45 | 26.570 | 46.1 | 45.0 | 93 | 10 | | | | | | | | | | | | | | | 10 | | | | | 02-03 |
| 03 51 | 26.545 | 46.0 | 44.8 | 92 | 10 | 2 | CUFRA | 10 | 2 | CUFRA | 32 | 4 | 10 | SC | M45 | 10 | | | | 10 | 7 | .045 | | | 03-04 |
| 04 51 | 26.535 | 46.3 | 44.6 | 88 | 10 | | | | | | | | | | | | | | | 10 | | | | | 04-05 |
| 05 49 | 26.560 | 46.0 | 44.6 | 90 | 10 | | | | | | | | | | | | | | | 10 | | | | | 05-06 |
| 06 52 | 26.560 | 44.9 | 44.4 | 96 | 10 | 3 | STFRA | 8 | 6 | SC | A20 | 7 | 10 | SC | 65 | 10 | | | | 10 | 3 | .045 | | | 06-07 |
| 07 50 | 26.540 | 45.0 | 44.2 | 94 | 10 | | | | | | | | | | | | | | | 10 | | | | | 07-08 |
| 08 50 | 26.580 | 44.9 | 44.5 | 97 | 10 | | | | | | | | | | | | | | | 10 | | | | | 08-09 |
| 09 51 | 26.580 | 45.7 | 45.2 | 96 | 10 | 3 | STFRA | 7 | 10 | NS | A18 | 10 | | | | | | | | 10 | 3 | .020 | | | 09-10 |
| 10 45 | 26.560 | 46.0 | 45.4 | 96 | 10 | | | | | | | | | | | | | | | 10 | | | | | 10-11 |
| 11 49 | 26.530 | 46.4 | 45.6 | 94 | 10 | | | | | | | | | | | | | | | 10 | | | | | 11-12 |
| 12 49 | 26.510 | 48.0 | 46.9 | 91 | 10 | 2 | CUFRA | 18 | 6 | SC | M32 | 7 | 10 | NS | 80 | 10 | | | | 10 | 7 | .070 | | | 12-13 |
| 13 48 | 26.485 | 48.4 | 47.3 | 93 | 10 | | | | | | | | | | | | | | | 10 | | | | | 13-14 |
| 14 50 | 26.490 | 51.1 | 48.1 | 82 | 10 | | | | | | | | | | | | | | | 10 | | | | | 14-15 |
| 15 50 | 26.510 | 50.0 | 47.9 | 87 | 10 | 6 | SC | M35 | 4 | Ac | 120 | 10 | | | | | | | | 9 | 5 | .000 | | | 15-16 |
| 16 50 | 26.520 | 48.8 | 47.1 | 89 | 9 | | | | | | | | | | | | | | | 9 | | | | | 16-17 |
| 17 50 | 26.530 | 49.6 | 47.1 | 84 | 10 | | | | | | | | | | | | | | | 10 | | | | | 17-18 |
| 18 50 | 26.540 | 49.1 | 46.4 | 90 | 10 | 10 | Sc | M38 | | | | | | | | | | | | 10 | 2 | .030 | | | 18-19 |
| 19 50 | 26.550 | 48.0 | 46.9 | 93 | 10 | | | | | | | | | | | | | | | 10 | | | | | 19-20 |
| 20 45 | 26.565 | 47.9 | 46.8 | 93 | 10 | | | | | | | | | | | | | | | 10 | | | | | 20-21 |
| 21 50 | 26.595 | 48.7 | 47.2 | 90 | 10 | 10 | Sc | M33 | | | | | | | | | | | | 10 | 3 | .045 | | | 21-22 |
| 22 50 | 26.600 | 48.4 | 47.2 | 92 | 10 | | | | | | | | | | | | | | | 10 | | | | | 22-23 |
| 23 50 | 26.600 | 48.1 | 46.9 | 92 | 10 | | | | | | | | | | | | | | | 10 | | | | | 23-24 |

CLOUDS AND OBSCURING PHENOMENA

## SYNOPTIC OBSERVATIONS

| TIME (G.M.T.) 41 | TIME (L.S.T.) 42 | NO. 43 | PRECIP. (Ins.) 44 | SNOW FALL (Ins.) 45 | SNOW DEPTH (Ins.) 46 | MAX. TEMP. (°F) 47 | MIN. TEMP. (°F) 48 | 49 | STATE OF GRND. 50 | 51 | 52 | 53 | 54 | 55 | SOIL TEMP. 56 | 57 | 58 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MID. TO 0346 | | 0 | 0 | | 46 | 43 | | | | | | | | | | |
| | 0346 | 1 | 0 | 0 | 0 | 47 | 43 | | 1 | | | | | | | | |
| | 0945 | 2 | .53 | 0 | 0 | 46 | 44 | | 2 | | | | | | | | |
| | 1546 | 3 | .03 | 0 | 0 | 51 | 45 | | 1 | | | | | | | | |
| | 2146 | 4 | 0 | 0 | 0 | 51 | 47 | | 1 | | | | | | | | |
| | MID. | | 0 | 0 | 0 | 49 | 47 | | | | | | | | | | |

STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0350 | 0950 | 1546 | 2148 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.595 | 26.580 | 26.510 | 26.565 |
| BAROGRAPH 64 | 26.525 | 26.565 | 26.490 | 26.550 |
| BAR. CORR. 65 | +.020 | +.015 | +.020 | +.035 |

## SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

| 24-HR. MAX. TEMP. (°F) 66 | 24-HR. MIN. TEMP. (°F) 67 | 24-HR. PRECIP. WATER EQUIV. (Ins.) 68 | 24-HR. SNOWFALL UNMLTD (Ins.) 69 | SNOW DEPTH (Ins.) 70 | PEAK WIND SPEED (Kts.) 71 | PEAK WIND DIRECTION 72 | PEAK WIND TIME (L.S.T.) 73 | THICKNESS OF ICE ON WATER (Ins.) 74 | FROZEN GROUND LAYER (Ins.) TOP 75 | FROZEN GROUND LAYER (Ins.) BASE 76 | RIVER GAGE 77 | SKY COVER SUNRISE TO SUNSET 78 | SKY COVER MIDNIGHT TO MIDNIGHT 79 | WATER EQUIV. (Ins.) 80 | 81 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 51 | 43 | .56 | 0 | 0 | 22 | E | 0312 | | | | | 10 | 10 | | |

## WEATHER & OBSTRUCTIONS TO VISION

| TYPE 82 | BEGAN 83 | ENDED 84 | TYPE 86 | BEGAN 87 | ENDED 88 |
|---|---|---|---|---|---|
| R- | 0422 | 0825 | | | |
| F | 0638 | 0700 | | | |
| F | 0725 | 1015 | | | |
| R | 0825 | 0836 | | | |
| R- | 0836 | 0842 | | | |
| R | 0842 | 0902 | | | |
| R- | 0902 | 1015 | | | |
| R- | 1112 | 1206 | | | |
| F | 1130 | 1154 | | | |
| R- | 1231 | 1328 | | | |

## 90. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE SUNSET

TOTAL SUNSHINE (MIN.) PERCENT OF POSSIBLE SUNSHINE CHARACTER OF SUNRISE CHARACTER OF SUNSET

FASTEST OBSERVED 1-MINUTE WIND SPEED M.P.H. OR FASTEST MILE M.P.H. ASSOCIATED DIRECTION TIME

TIME CHECK - CLOCK AT: 1315PST ⊕ Sec./ 2119PST ⊖ Sec./ ± Sec.

0045P/0045P

0838P/0838P 0914P/0914P

1133P/1133P 2045P/2045P

A MICROBAROGRAPH RESET TO ZERO CORRECTION

SP=13

RS=00

MF1-10A (1-82)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: 1983 DEC 25

TO CONVERT LST TO GMT: ADD 8 hrs. SUBTRACT ____ hrs.

| TYPE (1) | TIME (LST) (2) | SKY AND CEILING (Hundreds of Feet) (3) | VISIBILITY (Miles) SURFACE (4) | VISIBILITY (Miles) TOWER (4a) | WEATHER AND OBSTRUCTIONS TO VISION (5) | SEA LEVEL PRESS. (Mbs.) (6) | TEMP (°F) (7) | DEW PT. (°F) (8) | WIND DIRECTION (100-36) (9) | WIND SPEED (Knots) (10) | WIND CHARACTER (11) | ALTIMETER SETTING (Ins.) (12) | REMARKS AND SUPPLEMENTAL CODED DATA (13) | OB. REPORTER INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0045 | 40 SCT E80 BKN | 20 | | | 149 | 45 | 42 | 05 | 09 | | 000 | 817 157/0 | JC |
| SA | 0145 | 15 SCT M35 BKN 80 OVC | 20 | | | 152 | 45 | 43 | 06 | 06 | | 001 | | JC |
| SA | 0245 | 15 SCT M30 BKN 80 OVC | 20 | | | 140 | 46 | 44 | 09 | 15 | | 998 | | JC |
| SA | 0351 | 10 SCT 32 SCT M45 OVC | 20 | | | 131 | 46 | 44 | 10 | 13 | G20 | 995 | 715 15// 43* RADAT 91098 | SEA |
| | | | | | | | | | | | | | * 20024 | |
| SA | 0451 | 10 SCT M32 OVC | 15 | | R- | 130 | 46 | 43 | 02 | 04 | | 994 | RB22 | SEA |
| SP | 0543 | 9 SCT M32 OVC | 10 | | R- | | | | 10 | 08 | G19 | 997 | | SEA |
| SA | 0549 | 9 SCT M32 OVC | 10 | | R- | 139 | 46 | 43 | 09 | 04 | | 997 | SCT OCNL BKN | SEA |
| SP | 0626 | 8 SCT M21 OVC | 10 | | R- | | | | 31 | 03 | | 997 | WND LGT VRBL | SEA |
| SP | 0652 | 8 SCT M20 BKN 65 OVC | 4 | | R-F | 139 | 45 | 44 | 26 | 03 | | 997 | * 30527 15// * WND LGT VRBL | SEA |
| SP | 0710 | 8 SCT 20 SCT M30 BKN 65 OVC | 10 | | R- | | | | 13 | 02 | | 995 | 20 SCT V BKN | SEA |
| SP | 0736 | 9 SCT M20 BKN 320 VC | 3 | | R-F | | | | 12 | 03 | | 996 | VSBY N Z | SEA |
| SA | 0750 | 8 SCT E20 BKN 320 VC | 4 | | R-F | 134 | 45 | 43 | 10 | 08 | | 995 | VSBY N Z | SEA |
| SP | 0816 | 8 SCT M22 BKN 320 VC | 2 | | R-F | | | | 11 | 03 | | 999 | PRESRR | SEA |
| SP | 0828 | M8 BKN 22 OVC | 1¼ | | RF | | | | 32 | 03 | | 999 | WND LGT VRBL | SEA |
| SP | 0838 | ~~M~~ 4 SCT M7 BKN 22 OVC | 2¼ | | R-F | | | | 31 | 07 | | 000 | | SEA |
| SA | 0850 | 4 SCT E8 BKN 15 OVC | 2¼ | | RF | 148 | 45 | 44 | 30 | 08 | | 999 | | SEA |
| SP | 0906 | 8 SCT M14 BKN 26 OVC | 2 | | R-F | | | | 32 | 03 | | 999 | | SEA |
| SP | 0914 | 8 SCT 14 SCT M22 BKN 300 OVC | 4 | | R-F | | | | 31 | 04 | | 999 | ~~VSBYR~~ | SEA |
| SA | 0957 | 7 SCT M18 OVC | 5 | | R-F | 149 | 46 | 45 | 36 | 01 | | 999 | 30753 172/ 43 | SEA |
| SA | 1045 | 7 SCT M22 V OVC | 15 | | | 141 | 46 | 45 | 00 | 00 | | 997 | CIG 20V25 RE15 | SEA |
| SP | 1133 | 5 SCT M19 OVC | 2¾ | | R-F | | | | 12 | 02 | | 994 | | SEA |
| SP | 1140 | 5 SCT 10 SCT M18 OVC | 4 | | R-F | | | | 00 | 00 | | 994 | PCPN VRY LGT | SEA |
| SA | 1149 | 5 SCT M10 BKN 18 OVC | 5 | | R-F | 130 | 46 | 45 | 09 | 03 | | 994 | VSBY HIR W RB12 | SEA |
| SP | 1236 | 10 SCT 18 SCT M32 OVC | 15 | | R- | | | | 01 | 02 | | 992 | 18 SCT V BKN | SEA |
| SA | 1249 | 18 SCT M32 BKN 80 OVC | 15 | | R- | 122 | 48 | 46 | 36 | 03 | | 992 | REOG B31 VRY LGT/ 72403 157/ | SEA |
| SA | 1348 | 18 SCT M38 BKN 100 BKN 250 OVC | 20 | | | 112 | 48 | 46 | 16 | 09 | G16 | 989 | RE28 BINOVC SE | SEA |
| SA | 1450 | M38 OVC | 20 | | | 112 | 51 | 46 | 14 | 11 | | 989 | BINOVC SW HIR CLDS VSBL | SEA |
| SA | 1550 | M 35 BKN 120 OVC | 20 | | | 120 | 50 | 46 | 14 | 10 | | 991 | 0 INOVC SW 50003 157/ | |
| | | | | | | | | | | | | | 51 RADAT 99087 | WRC |
| SA | 1650 | M 35 BKN 120 BKN | 20 | | | 124 | 49 | 46 | 22 | 10 | | 992 | | WRC |
| SA | 1750 | M 35 OVC | 20 | | | 128 | 50 | 45 | 14 | 05 | | 993 | | WRC |
| SA | 1850 | M 38 OVC | 20 | | | 133 | 48 | 45 | 12 | 13 | | 994 | 210 15// | WRC |
| SA | 1950 | M 32 OVC | 20 | | | 137 | 48 | 46 | 12 | 13 | | 995 | | WRC |
| SA | 2050 | M 32 OVC | 20 | | | 143 | 48 | 46 | 11 | 06 | | 997 | | WRC |
| SA | 2150 | M 33 OVC | 20 | | | 149 | 49 | 46 | 12 | 09 | | 999 | 315 15// 51 | WRC |
| SA | 2250 | M 32 OVC | 20 | | | 154 | 48 | 46 | 12 | 12 | | 001 | | WRC |
| SA | 2350 | M 35 OVC | 20 | | | 154 | 46 | 46 | 13 | 13 | | 001 | | |

A synoptic observation, in WMO code format FM12-VII, is entered on line following related aviation observation.

FM12-VII: IIiii $i_R i_x$hVV Nddff $1s_nTTT$ $2s_nT_dT_dT_d$ $3P_oP_oP_oP_o$ 4PPPP 5appp 6RRR$t_R$ 7ww$W_1W_2$ $8N_hC_LC_MC_H$

SUPERSEDES MF1-10A (10-78) WHICH MAY BE USED.

☆ U.S. G.P.O. 1982-564-008/1123

MF1-10B (1-82)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: 1983 DEC 26

To convert LST to GMT ADD 6 hrs. SUBTRACT ___ hrs.

| TIME (L.S.T.) 16 | STATION PRESSURE (Ins.) 17 | DRY BULB (°F) 18 | WET BULB (°F) 19 | REL. HUMIDITY (%) 20 | TOTAL SKY COVER 21 | LOWEST LAYER AMT. 22 | LOWEST LAYER TYPE 23 | LOWEST LAYER HEIGHT 24 | SECOND LAYER AMT. 25 | SECOND LAYER TYPE 26 | SECOND LAYER HEIGHT 27 | SUMMATION TOTAL 28 | THIRD LAYER AMT. 29 | THIRD LAYER TYPE 30 | THIRD LAYER HEIGHT 31 | SUMMATION TOTAL 32 | FOURTH LAYER AMT. 33 | FOURTH LAYER TYPE 34 | FOURTH LAYER HEIGHT 35 | TOTAL OPAQUE SKY COVER 36 | PRESSURE TENDENCY 37 | NET 3-HR. CHANGE (Ins.) 38 | SUNSHINE (Min.) 39 | PRECIPITATION (Ins.) 40 | HR. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00 50 | 26.600 | 47.9 | 46.9 | 93 | 10 | 10 | SC | M35 | | | | | | | | | | | | 10 | 1 | .015 | | | 00-01 |
| 01 50 | 26.600 | 47.4 | 46.7 | 95 | 10 | | | | | | | | | | | | | | | 10 | | | | | 01-02 |
| 02 50 | 26.590 | 47.3 | 46.0 | 91 | 10 | | | | | | | | | | | | | | | 10 | | | | | 02-03 |
| 03 50 | 26.570 | 46.2 | 45.4 | 95 | 10 | 4 | STFM | 15 | 6 | SC | M32 | 10 | | | | | | | | 10 | 8 | .030 | | | 03-04 |
| 04 57 | 26.560 | 46.8 | 46.0 | 95 | 10 | | | | | | | | | | | | | | | 10 | | | | | 04-05 |
| 05 50 | 26.560 | 47.0 | 46.1 | 94 | 10 | | | | | | | | | | | | | | | 10 | | | | | 05-06 |
| 06 57 | 26.550 | 46.3 | 45.6 | 95 | 10 | 2 | CUFRA | 13 | 10 | SC | M35 | 10 | | | | | | | | 10 | 7 | .020 | | | 06-07 |
| 07 48 | 26.560 | 46.5 | 45.9 | 96 | 10 | | | | | | | | | | | | | | | 10 | | | | | 07-08 |
| 08 50 | 26.580 | 47.5 | 46.5 | 93 | 10 | | | | | | | | | | | | | | | 10 | | | | | 08-09 |
| 09 47 | 26.580 | 48.1 | 47.0 | 93 | 10 | 9 | SC | M28 | 10 | SC | 45 | 10 | | | | | | | | 10 | 1 | .030 | | | 09-10 |
| 10 48 | 26.560 | 48.9 | 47.2 | 89 | 10 | | | | | | | | | | | | | | | 10 | | | | | 10-11 |
| 11 47 | 26.520 | 49.9 | 47.9 | 87 | 10 | | | | | | | | | | | | | | | 10 | | | | | 11-12 |
| 12 50 | 26.485 | 50.6 | 48.1 | 84 | 10 | 7 | CUFRA | M17 | 10 | SC | 23 | 10 | | | | | | | | 10 | 8 | .085 | | | 12-13 |
| 13 47 | 26.470 | 51.3 | 49.0 | 86 | 10 | | | | | | | | | | | | | | | 9 | | | | | 13-14 |
| 14 50 | 26.460 | 54.4 | 49.0 | 69 | 9 | | | | | | | | | | | | | | | 7 | | | | | 14-15 |
| 15 50 | 26.470 | 54.0 | 44.3 | 67 | 9 | 1 | CUFRA | 25 | 7 | SC | E40 | 8 | 1 | AC | 180 | 9 | | | | 9 | 5 | .015 | | | 15-16 |
| 16 50 | 26.475 | 51.2 | 48.5 | 83 | 10 | | | | | | | | | | | | | | | 9 | | | | | 16-17 |
| 17 50 | 26.475 | 50.0 | 47.8 | 86 | 9 | | | | | | | | | | | | | | | 8 | | | | | 17-18 |
| 18 50 | 26.475 | 49.6 | 47.5 | ~~90~~ 86 | 9 | 7 | SC | M45 | 2 | AC | 160 | 9 | | | | | | | | 8 | 1 | .005 | | | 18-19 |
| 19 50 | 26.460 | 49.4 | 47.2 | 92 | 7 | | | | | | | | | | | | | | | 7 | | | | | 19-20 |
| 20 ~~49~~ 50 | 26.450 | 47.6 | 46.5 | 92 | 6 | | | | | | | | | | | | | | | 6 | | | | | 20-21 |
| 21 50 | 26.440 | 47.3 | 46.0 | 91 | 5 | 5 | SC | 45 | | | | | | | | | | | | 5 | 7 | .035 | | | 21-22 |
| 22 50 | 26.430 | 45.8 | 44.6 | 92 | 4 | | | | | | | | | | | | | | | 4 | | | | | 22-23 |
| 23 50 | 26.420 | 43.8 | 43.0 | 94 | 3 | | | | | | | | | | | | | | | 3 | | | | | 23-24 |

## SYNOPTIC OBSERVATIONS

| TIME (G.M.T.) 41 | TIME (L.S.T.) 42 | NO. 43 | PRECIP. (Ins.) 44 | SNOW FALL (Ins.) 45 | SNOW DEPTH (Ins.) 46 | MAX. TEMP. (°F) 47 | MIN. TEMP. (°F) 48 | 49 | STATE OF GRND. 50 | 51 | 52 | 53 | 54 | 55 | SOIL TEMP. 56 | 57 | 58 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MID. TO 0346 | X | 0 | 0 | X | 48 | 45 | X | X | | | | | | X | | |
| | 0346 | 1 | 0 | 0 | 0 | 49 | 45 | | 1 | | | | | | | | |
| | 0943 | 2 | 0 | 0 | 0 | 48 | 45 | | 1 | | | | | | | | |
| | 1546 | 3 | 0 | 0 | 0 | 56 | 48 | | 1 | | | | | | | | |
| | 2146 | 4 | 0 | 0 | 0 | 54 | 46 | X | 1 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 47 | 44 | X | X | | | | | | X | | |

## STATION PRESSURE COMPUTATIONS

| TIME (L.S.T.) 59 | 0346 | 0946 | 1546 | 2146 |
|---|---|---|---|---|
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.570 | 26.580 | 26.470 | 26.440 |
| BAROGRAPH 64 | 26.540 | 26.560 | 26.450 | 26.415 |
| BAR. CORR. 65 | +.030 | +.020 | +.020 | +.025 |

## SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

| 24-HR. MAX. TEMP. (°F) 66 | 24-HR. MIN. TEMP. (°F) 67 | 24-HR. PRECIP. WATER EQUIV. (Ins.) 68 | 24-HR. SNOWFALL UNMLTD (Ins.) 69 | SNOW DEPTH (Ins.) 70 | PEAK WIND SPEED (Kts.) 71 | PEAK WIND DIRECTION 72 | PEAK WIND TIME (L.S.T.) 73 | THICKNESS OF ICE ON WATER (Ins.) 74 | FROZEN GROUND LAYER (Ins.) TOP 75 | FROZEN GROUND LAYER (Ins.) BASE 76 | RIVER GAGE 77 | SKY COVER SUNRISE TO SUNSET 78 | SKY COVER MIDNIGHT TO MIDNIGHT 79 | WATER EQUIV. (Ins.) 80 | 81 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 56 | 44 | 0 | 0 | 0 | 17 | SW | 1442 | | | | | 10 | 9 | | |

## WEATHER & OBSTRUCTIONS TO VISION

| TYPE 82 | BEGAN 83 | ENDED 84 | TYPE 86 | BEGAN 87 | ENDED 88 |
|---|---|---|---|---|---|
| F | 0730 | 1140 | | | |

## 90. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE SUNSET

TOTAL SUNSHINE (MIN.) | PERCENT OF POSSIBLE SUNSHINE | CHARACTER OF SUNRISE | CHARACTER OF SUNSET

FASTEST OBSERVED 1-MINUTE WIND SPEED M.P.H. | OR FASTEST MILE M.P.H. | ASSOCIATED DIRECTION | TIME

TIME CHECK - CLOCK AT: 1300PST (30) Sec./ 2318P (0) Sec./ ± Sec.

1850P/102/2355P

~~R/S = 0~~

S/P = 05

R/S = 00

MF1-10B (1-82) SUPERSEDES MF1-10B (2-79) WHICH MAY BE USED. ☆U.S. G.P.O. 1982-564-008/1034

MF1-10A (1-82)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: 1983 DEC 26

TO CONVERT LST TO GMT: ADD 8 hrs. SUBTRACT ____ hrs.

| TYPE (1) | TIME (LST) (2) | SKY AND CEILING (Hundreds of Feet) (3) | VISIBILITY (Miles) SURFACE (4) | VISIBILITY (Miles) TOWER (4a) | WEATHER AND OBSTRUCTIONS TO VISION (5) | SEA LEVEL PRESS. (Mbs.) (6) | TEMP (°F) (7) | DEW PT. (°F) (8) | WIND DIRECTION (00-36) (9) | WIND SPEED (Kts.) (10) | WIND CHARACTER (11) | ALTIMETER SETTING (Ins.) (12) | REMARKS AND SUPPLEMENTAL CODED DATA (13) | OBSERVER'S INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0050 | M 35 OVC | 20 | | | 154 | 48 | 46 | 12 | 08 | | 001 | 105 15// | WRC |
| SA | 0150 | 15 SCT M 35 OVC | 20 | | | 154 | 47 | 46 | 10 | 05 | | 001 | | WRC |
| SA | 0250 | 15 SCT M 35 OVC | 20 | | | 149 | 47 | 45 | 09 | 06 | | 000 | | WRC |
| SA | 0350 | 15 SCT M 32 OVC | 15 | | | 142 | 46 | 45 | 09 | 09 | | 997 | 810 15// 45 20056 | WRC |
| / | / | | | | | | | | | | | / | RADAT 91098 | WRC |
| SA | 0451 | 20 SCT M32 OVC | 10 | | | 139 | 47 | 45 | 09 | 06 | | 997 | | SEA |
| SP | 0525 | M12 BKN 32 OVC | 10 | | | | | | 19 | 02 | | 996 | WND LGT VRBL | SEA |
| SP | 0540 | 6 SCT M12 BKN 32 OVC | 10 | | | | | | 13 | 05 | | 997 | | SEA |
| SA | 0550 | 6 SCT M13 BKN 30 OVC | 10 | | | 139 | 47 | 45 | 13 | 07 | | 997 | | SEA |
| SP | 0624 | 6 SCT 13 SCT M35 BKN 250 OVC | 10 | | | | | | 12 | 07 | | 996 | *BINOVC NE *13 SCT V BKN | SEA |
| SA | 0651 | 13 SCT M35 OVC | 10 | | | 135 | 46 | 45 | 11 | 08 | | 996 | BINOVC NE HIR CLDS VSBL / | SEA |
| / | / | | | | | | | | | | | / | 707 15// | / |
| SA | 0748 | 22 SCT M41 OVC | 5 | | F | 139 | 47 | 45 | 14 | 07 | | 997 | DNS FBANK NW-NE VSBY | SEA |
| / | / | | | | | | | | | | | / | HIR SW | / |
| SP | 0818 | M22 BKN 41 OVC | 6 | | F | | | | 14 | 09 | | 998 | DNS F BANKS NW-NE | SEA |
| / | / | | | | | | | | | | | / | AND SE-S VSBY HIR SW | / |
| SA | 0850 | M22V BKN 41 OVC | 6 | | F | 147 | 48 | 46 | 12 | 07 | | 999 | CIG 19V25 DNS F | SEA |
| / | / | | | | | | | | | | | / | BANK N-NE VSBY HIR SW | / |
| SA | 0947 | M28 BKN 45 OVC | 6 | | F | 145 | 48 | 46 | 11 | 07 | | 999 | VSBY HIR SW/ 110 15// 45 | SEA |
| SA | 1048 | M26 BKN 45 OVC | 6 | | F | 138 | 49 | 46 | 13 | 06 | | 997 | DNS F BANK NE VSBY HIR SW | SEA |
| SA | 1147 | 12 SCT M25 OVC | 7 | | | 122 | 50 | 46 | 12 | 05 | | 993 | BINOVC SE HIR CLDS VSBL | SEA |
| SA | 1250 | M17 BKN 23 OVC | 7 | | | 108 | 51 | 46 | 04 | 03 | | 989 | 832 15// | SEA |
| SA | 1347 | M25 BKN 45 OVC | 10 | | | 103 | 51 | 47 | 12 | 06 | | 987 | SVRL SML BINOVC | SEA |
| SP | 1417 | 25 SCT M45 BKN 250 OVC | 15 | | | | | | 20 | 11 | G16 | 986 | WSHET 10 SVRL SML BINOVC | SEA |
| SA | 1450 | 25 SCT E50 BKN 250 BKN | 20 | | | 097 | 54 | 45 | 20 | 09 | G17 | 986 | | SEA |
| SA | 1550 | 25 SCT E40 BKN 180 BKN | 20 | | | 101 | 54 | 43 | 26 | 11 | | 987 | 505 1570 56 RADAT 936 | — |
| | | | | | | | | | | | | | 079083 106 | WRC |
| SA | 1650 | M 36 BKN 160 OVC | 20 | | | 104 | 51 | 46 | 17 | 06 | | 987 | BINOVC SW | WRC |
| SA | 1750 | M 40 BKN 160 BKN | 20 | | | 106 | 50 | 46 | 14 | 10 | | 987 | | WRC |
| SA | 1850 | M 45 BKN 160 BKN | 20 | | | 107 | 50 | 46 | 00 | 00 | | 987 | 10~~32~~ 1570 | WRC |
| SA | 1950 | M 45 BKN | 20 | | | 102 | 48 | 46 | 07 | 04 | | 985 | | WRC |
| SA | 2045 | M 45 BKN | 20 | | | 098 | 48 | 46 | 02 | 06 | | 984 | | WRC |
| SA | 2150 | 45 SCT | 20 | | | 094 | 47 | 45 | 13 | 05 | | 983 | 712 1500 56 | WRC |
| SA | 2250 | 45 SCT | 20 | | | 090 | 46 | 44 | 13 | 04 | | 982 | | WRC |
| SA | 2350 | 45 SCT | 20 | | | 086 | 44 | 42 | 25 | 06 | | 981 | wnd Dir vrbl | WRC |

A synoptic observation, in WMO code format FM12-VII, is entered on line following related aviation observation.

FM12-VII: IIiii $i_R i_x$hVV Nddff $1s_nTTT$ $2s_nT_dT_dT_d$ $3P_oP_oP_oP_o$ 4PPPP 5appp $6RRRt_R$ $7wwW_1W_2$ $8N_hC_LC_MC_H$

SUPERSEDES MF1-10A (10-78) WHICH MAY BE USED.

☆ U.S. G.P.O. 1982-564-008/1123

MF1-10B (1-82)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: 1983 DEC 27

To convert LST to GMT ADD 8 hrs. SUBTRACT ____ hrs.

| TIME (L.S.T.) 16 | STATION PRESSURE (Ins.) 17 | DRY BULB (°F) 18 | WET BULB (°F) 19 | REL. HUMIDITY (%) 20 | TOTAL SKY COVER 21 | LOWEST LAYER AMT. 22 | LOWEST LAYER TYPE 23 | LOWEST LAYER HEIGHT 24 | SECOND LAYER AMT. 25 | SECOND LAYER TYPE 26 | SECOND LAYER HEIGHT 27 | SUMMATION TOTAL 28 | THIRD LAYER AMT. 29 | THIRD LAYER TYPE 30 | THIRD LAYER HEIGHT 31 | SUMMATION TOTAL 32 | FOURTH LAYER AMT. 33 | FOURTH LAYER TYPE 34 | FOURTH LAYER HEIGHT 35 | TOTAL OPAQUE SKY COVER 36 | PRESSURE TENDENCY 37 | NET 3-HR. CHANGE (Ins.) 38 | SUNSHINE (Min.) 39 | PRECIPITATION (Ins.) 40 | HR. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00 50 | 26.410 | 47.2 | 44.7 | 83 | 2 | 2 | SC | 45 | | | | | | | | | | | | 2 | 7 | .030 | | | 00-01 |
| 01 50 | 26.410 | 45.3 | 43.0 | 84 | 1 | | | | | | | | | | | | | | | 1 | | | | | 01-02 |
| 02 50 | 26.420 | 42.0 | 40.4 | 91 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 51 | 26.410 | 41.0 | 40.0 | 93 | 3 | 0 | CU | 60 | 3 | CI | 250 | 3 | | | | | | | | 0 | 0 | .000 | | | 03-04 |
| 04 48 | 26.400 | 41.0 | 40.0 | 93 | 2 | | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 05 50 | 26.430 | 41.0 | 40.0 | 93 | 6 | | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 06 51 | 26.440 | 40.4 | 39.7 | 95 | 8 | 0 | STFRA | 15 | 8 | CI | 250 | 8 | | | | | | | | 4 | 3 | .030 | | | 06-07 |
| 07 50 | 26.450 | 42.3 | 40.9 | 89 | 10 | | | | | | | | | | | | | | | 6 | | | | | 07-08 |
| 08 49 | 26.460 | 44.2 | 41.2 | 79 | 10 | | | | | | | | | | | | | | | 9 | | | | | 08-09 |
| 09 50 | 26.460 | 48.0 | 45.0 | 80 | 10 | 0 | STFRA | 15 | 10 | AC | E200 | 10 | | | | | | | | 9 | 1 | .020 | | | 09-10 |
| 10 48 | 26.440 | 50.8 | 46.0 | 70 | 9 | | | | | | | | | | | | | | | 4 | | | | | 10-11 |
| 11 49 | 26.400 | 52.6 | 47.0 | 67 | 9 | | | | | | | | | | | | | | | 2 | | | | | 11-12 |
| 12 51 | 26.360 | 54.5 | 48.2 | 64 | 9 | 1 | CUFRA | 20 | 5 | AC | 200 | 6 | 4 | CI | 250 | 9 | | | | 3 | 8 | .100 | | | 12-13 |
| 13 50 | 26.340 | 56.9 | 48.0 | 53 | 9 | | | | | | | | | | | | | | | 1 | | | | | 13-14 |
| 14 52 | 26.330 | 57.1 | 47.2 | 48 | 4 | | | | | | | | | | | | | | | 3 | | | | | 14-15 |
| 15 50 | 26.340 | 57.0 | 46.9 | 47 | 7 | 1 | SC | 40 | 6 | AC | E160 | 7 | | | | | | | | 6 | 5 | .020 | | | 15-16 |
| 16 50 | 26.360 | 53.6 | 46.1 | 57 | 8 | | | | | | | | | | | | | | | 6 | | | | | 16-17 |
| 17 50 | 26.380 | 50.8 | 45.7 | 68 | 7 | | | | | | | | | | | | | | | 6 | | | | | 17-18 |
| 18 50 | 26.400 | 48.3 | 44.9 | 78 | 7 | 2 | SC | 40 | 5 | AC | E140 | 7 | | | | | | | | 6 | 2 | .060 | | | 18-19 |
| 19 50 | 26.440 | 50.0 | 42.0 | 51 | 6 | | | | | | | | | | | | | | | 6 | | | | | 19-20 |
| 20 50 | 26.500 | 44.2 | 38.0 | 56 | 5 | | | | | | | | | | | | | | | 5 | | | | | 20-21 |
| 21 50 | 26.560 | 43.0 | 36.1 | 56 | 3 | 2 | SC | 40 | 1 | AC | 140 | 3 | | | | | | | | 3 | 2 | .160 | | | 21-22 |
| 22 50 | 26.620 | 41.8 | 34.1 | 45 | 5 | | | | | | | | | | | | | | | 5 | | | | | 22-23 |
| 23 50 | 26.630 | 40.0 | 32.1 | 41 | 2 | | | | | | | | | | | | | | | 2 | | | | | 23-24 |

## SYNOPTIC OBSERVATIONS

| TIME (G.M.T.) 41 | TIME (L.S.T.) 42 | NO. 43 | PRECIP. (Ins.) 44 | SNOW FALL (Ins.) 45 | SNOW DEPTH (Ins.) 46 | MAX. TEMP. (°F) 47 | MIN. TEMP. (°F) 48 | 49 | STATE OF GRND. 50 | 51 | 52 | 53 | 54 | 55 | SOIL TEMP. 56 | 57 | 58 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MID. TO 0346 | X | 0 | 0 | X | 47 | 40 | X | X | | | | | | X | | |
| | 0346 | 1 | 0 | 0 | 0 | 47 | 40 | | 1 | | | | | | | | |
| | 0945 | 2 | 0 | 0 | 0 | 48 | 40 | | 1 | | | | | | | | |
| | 1546 | 3 | 0 | 0 | 0 | 56 | 48 | | 0 | | | | | | | | |
| | 2146 | 4 | 0 | 0 | 0 | 57 | 43 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 43 | 40 | X | X | | | | | | X | | |

## STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0350 | 0949 | 1546 | 2148 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.410 | 26.460 | 26.340 | 26.560 |
| BAROGRAPH 64 | 26.380 | 26.470 | 26.355 | 26.580 |
| BAR. CORR. 65 | +.030* | -.010 | -.015 | -.020 |

## SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

| 24-HR. MAX. TEMP. (°F) 66 | 24-HR. MIN. TEMP. (°F) 67 | 24-HR. PRECIP. WATER EQUIV. (Ins.) 68 | 24-HR. SNOWFALL UNML TD (Ins.) 69 | SNOW DEPTH (Ins.) 70 | PEAK WIND SPEED (Kts.) 71 | PEAK WIND DIRECTION 72 | PEAK WIND TIME (L.S.T.) 73 | THICKNESS OF ICE ON WATER (Ins.) 74 | FROZEN GROUND LAYER (Ins.) TOP 75 | FROZEN GROUND LAYER (Ins.) BASE 76 | RIVER GAGE 77 | SKY COVER SUNRISE TO SUNSET 78 | SKY COVER MIDNIGHT TO MIDNIGHT 79 | WATER EQUIV. (Ins.) 80 | 81 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 56 | 40 | 0 | 0 | 0 | 34 | N | 2048 | | | | | 8 | 6 | | |

## WEATHER & OBSTRUCTIONS TO VISION

| TYPE 82 | BEGAN 83 | ENDED 84 | TYPE 86 | BEGAN 87 | ENDED 88 |
|---|---|---|---|---|---|
| | | | | | |

## 90. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE ____ SUNSET ____

TOTAL SUNSHINE ____ (MIN.) PERCENT OF POSSIBLE SUNSHINE ____ CHARACTER OF SUNRISE ____ CHARACTER OF SUNSET ____

FASTEST OBSERVED 1-MINUTE WIND SPEED ____ M.P.H. OR FASTEST MILE ____ M.P.H. ASSOCIATED DIRECTION ____ TIME ____

TIME CHECK-CLOCK AT: 0650P ⊕ 0 Sec./ 2229P ⊕ 0 Sec./ ± Sec.

1950P/2348P 0650P/1702/0750P

2159P/2346P 0950P/1722/1048P

2254P/2346P 1251P/1731/1350P

2050P/2050P

* MERCURY BAROGRAPH RESET TO ZERO CUR

~~RS=00~~

SP = 00

RS = 00

MF1-10B (1-82) SUPERSEDES MF1-10B (2-79) WHICH MAY BE USED.

☆U.S. G.P.O. 1982-564-008/1034

MF1-10A
(1-82)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: 1983 DEC 27

TO CONVERT LST TO GMT: ADD 8 hrs. SUBTRACT ____ hrs.

| TYPE (1) | TIME (LST) (2) | SKY AND CEILING (Hundreds of Feet) (3) | VISIBILITY (Miles) SURFACE (4) | VISIBILITY (Miles) TOWER (4a) | WEATHER AND OBSTRUCTIONS TO VISION (5) | SEA LEVEL PRESS. (Mbs.) (6) | TEMP (°F) (7) | DEW PT. (°F) (8) | WIND DIRECTION (00-36) (9) | WIND SPEED (Kts.) (10) | WIND CHARACTER (11) | ALTIMETER SETTING (Ins.) (12) | REMARKS AND SUPPLEMENTAL CODED DATA (13) | OB. SERVERS INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0050 | 45 SCT | 20 | | | 081 | 47 | 42 | 26 | 07 | | 980 | 710 1500 | WRG |
| SA | 0150 | 45 SCT | 20 | | | 082 | 45 | 41 | 31 | 04 | | 980 | | WRG |
| SA | 0250 | CLR | 20 | | | 085 | 42 | 40 | 00 | 00 | | 981 | FEW SC W | WRG |
| SA | 0351 | 250-SCT | 20 | | | 082 | 41 | 39 | 03 | 05 | | 981 | FEW CU SE/ 000 1101 40 | SEA |
| / | / | | | | | | | | | | | / | RADAT 49098 | / |
| SA | 0448 | 250-SCT | 20 | | | 080 | 41 | 39 | 03 | 07 | | 980 | DNS F BANK SE | SEA |
| SA | 0550 | 250-BKN | 20 | | | 092 | 41 | 39 | 01 | 07 | | 983 | DNS F BANK SE-S FEW CU E | SEA |
| SA | 0651 | 250-BKN | 20 | | | 097 | 40 | 39 | 04 | 03 | | 984 | DNS F BANK ALNG RDGS SE- | SEA |
| / | / | | | | | | | | | | | / | S FEW STFRA/ 310 1602 | / |
| SA | 0750 | 150 SCT E250 OVC | 20 | | | 100 | 42 | 39 | 02 | 02 | | 985 | STFRA ALNG RDGS SE-S | SEA |
| / | / | | | | | | | | | | | / | BINOVC SW OVC PTLY THN | / |
| SA | 0849 | E200 OVC | 20 | | | 103 | 44 | 38 | 29 | 02 | | 986 | FEW STFRA ALNG RDGS ALQDS | |
| / | / | | | | | | | | | | | / | XCPT SW BINOVC NE AND SW | / |
| SA | 0950 | E200 OVC | 20 | | | 101 | 48 | 42 | 29 | 03 | | 986 | FEW STFRA ALNG RDGS | SEA |
| / | / | | | | | | | / | ALQDS XCPT | | | SW | BINOVC SW/ 107 1671 40 | / |
| SA | 1048 | 20SCT 200-BKN 250-BKN | 20 | | | 092 | 51 | 42 | 24 | 08 | | 984 | | SEA |
| SA | 1149 | 20SCT 250-BKN | 20 | | | 078 | 53 | 42 | 24 | 12 | G20 | 980 | | SEA |
| SA | 1251 | 20 SCT 200-BKN 250-BKN | 20 | | | 060 | 55 | 43 | 23 | 12 | G17 | 975 | 834 1631 | SEA |
| SA | 1350 | 150 SCT 250-BKN | 20 | | | 052 | 57 | 40 | 23 | 18 | G23 | 973 | FEW CUFRA | SEA |
| SA | 1452 | 90SCT 250 SCT | 20 | | | 049 | 57 | 38 | 24 | 11 | G19 | 972 | FEW CU | SEA |
| SA | 1550 | 40 SCT E 160 BKN | 20 | | | 053 | 57 | 37 | 24 | 10 | G18 | 972 | 507 1530 56 RADAT 45095 | WRG |
| SA | 1650 | 40 SCT E 140 BKN | 20 | | | 063 | 54 | 39 | 32 | 10 | | 974 | | WRG |
| SA | 1750 | 40 SCT E 140 BKN | 20 | | | 073 | 51 | 41 | 34 | 12 | | 976 | | WRG |
| SA | 1850 | 40 SCT E 140 BKN | 20 | | | 082 | 46 | 42 | 33 | 07 | | 979 | 220 1530 | WRG |
| SA | 1950 | 40SCT E 140 BKN | 20 | | | 096 | 50 | 43 | 01 | 12 | G22 | 983 | CB DSNT NE MOVMT UKN | / |
| SA | ~~2050~~ | ~~40SCT 140SCT~~ | ~~20~~ | | | | 44 | ~~38~~ | | | | ~~990~~ | OCNL LTGIC | WRG |
| SA | 2050 | 40SCT 140 SCT | 20 | | | 120 | 44 | 30 | 01 | 20 | G34 | 990 | PRESRR CB DSNT NE | / |
| | | | | | | | | | | | | | MOVG SE OCNL LTGIC | WRG |
| SA | 2150 | 40SCT 140 SCT | 20 | | | 141 | 43 | 34 | 03 | 22 | G31 | 996 | PRESRR CB E MOVD SE | / |
| | | | | | | | | | | | | | 254 1570 56 | WRG |
| SA | 2250 | 40 SCT 140 SCT | 20 | | | 164 | 42 | 28 | 07 | 11 | | 003 | PRESRR | WRG |
| SA | 2350 | 140 SCT | 20 | | | 168 | 40 | 18 | 05 | 10 | G18 | 004 | | WRG |

A synoptic observation, in WMO code format FM12-VII, is entered on line following related aviation observation.

FM12-VII: IIiii $i_R i_x$hVV Nddff $1s_nTTT$ $2s_nT_dT_dT_d$ $3P_oP_oP_oP_o$ 4PPPP 5appp 6RRR$t_R$ 7wwW$_1$W$_2$ $8N_hC_LC_MC_H$

SUPERSEDES MF1-10A (10-78) WHICH MAY BE USED.

☆ U.S. G.P.O. 1982-564-008/1123

MF1-10B (1-82)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: 1983 DEC 28

To convert LST to GMT ADD 8 hrs. SUBTRACT ____ hrs.

| TIME (L.S.T.) 16 | STATION PRESSURE (Ins.) 17 | DRY BULB (°F) 18 | WET BULB (°F) 19 | REL. HUMIDITY (%) 20 | TOTAL SKY COVER 21 | CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT. 22 | LOWEST LAYER TYPE 23 | LOWEST LAYER HEIGHT 24 | SECOND LAYER AMT. 25 | SECOND LAYER TYPE 26 | SECOND LAYER HEIGHT 27 | SUMMATION TOTAL 28 | THIRD LAYER AMT. 29 | THIRD LAYER TYPE 30 | THIRD LAYER HEIGHT 31 | SUMMATION TOTAL 32 | FOURTH LAYER AMT. 33 | FOURTH LAYER TYPE 34 | FOURTH LAYER HEIGHT 35 | TOTAL OPAQUE SKY COVER 36 | PRESSURE TENDENCY 37 | NET 3-HR. CHANGE (Ins.) 38 | SUNSHINE (Min.) 39 | PRECIPITATION (Ins.) 40 | HR. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00 50 | 26.660 | 38.1 | 29.2 | 31 | 0 | 0 | AC | 140 | | | | | | | | | | | | 0 | 2 | .160 | | | 00-01 |
| 01 50 | 26.680 | 36.9 | 28.0 | 29 | 0 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 50 | 26.690 | 35.3 | 26.9 | 29 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 50 | 26.700 | 34.0 | 26.7 | 36 | 0 | | | | | | | | | | | | | | | 0 | 1 | .040 | | | 03-04 |
| 04 49 | 26.740 | 33.4 | 26.1 | 35 | 0 | | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 05 48 | 26.760 | 31.6 | 25.4 | 41 | 0 | | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 06 48 | 26.785 | 31.4 | 25.0 | 39 | 1 | 1 | CI | 250 | | | | | | | | | | | | 0 | 2 | .085 | | | 06-07 |
| 07 46 | 26.810 | 32.0 | 25.6 | 40 | 1 | | | | | | | | | | | | | | | 0 | | | | | 07-08 |
| 08 50 | 26.840 | 34.4 | 27.0 | 36 | 3 | | | | | | | | | | | | | | | 0 | | | | | 08-09 |
| 09 48 | 26.850 | 37.1 | 28.6 | 32 | 4 | 4 | CI | 250 | | | | | | | | | | | | 0 | 1 | .065 | | | 09-10 |
| 10 51 | 26.840 | 41.0 | 31.1 | 30 | 7 | | | | | | | | | | | | | | | 0 | | | | | 10-11 |
| 11 49 | 26.820 | 43.2 | 32.5 | 26 | 7 | | | | | | | | | | | | | | | 0 | | | | | 11-12 |
| 12 52 | 26.810 | 44.0 | 33.2 | 28 | 5 | 5 | CI | 250 | | | | | | | | | | | | 0 | 8 | .050 | | | 12-13 |
| 13 49 | 26.795 | 44.2 | 33.1 | 27 | 4 | | | | | | | | | | | | | | | 0 | | | | | 13-14 |
| 14 50 | 26.790 | 44.9 | 33.8 | 28 | 6 | | | | | | | | | | | | | | | 0 | | | | | 14-15 |
| 15 50 | 26.800 | 44.6 | 33.4 | 29 | 10 | 10 | CS | 250 | | | | | | | | | | | | 4 | 5 | .000 | | | 15-16 |
| 16 50 | 26.820 | 41.3 | 32.2 | 34 | 10 | | | | | | | | | | | | | | | 5 | | | | | 16-17 |
| 17 50 | 26.840 | 37.4 | 30.3 | 44 | 10 | | | | | | | | | | | | | | | 5 | | | | | 17-18 |
| 18 50 | 26.850 | 36.3 | 30.3 | 36 | 10 | 10 | CS | 250 | | | | | | | | | | | | 5 | 1 | .050 | | | 18-19 |
| 19 50 | 26.860 | 35.2 | 29.4 | 50 | 6 | | | | | | | | | | | | | | | 4 | | | | | 19-20 |
| 20 45 | 26.860 | 33.0 | 28.8 | 61 | 5 | | | | | | | | | | | | | | | 2 | | | | | 20-21 |
| 21 50 | 26.880 | 34.2 | 28.8 | 52 | 3 | 3 | CS | 250 | | | | | | | | | | | | 1 | 2 | .030 | | | 21-22 |
| 22 50 | 26.880 | 34.7 | 29.9 | 58 | 6 | | | | | | | | | | | | | | | 3 | | | | | 22-23 |
| 23 50 | 26.890 | 34.5 | 29.7 | 56 | 4 | | | | | | | | | | | | | | | 2 | | | | | 23-24 |

## SYNOPTIC OBSERVATIONS

| TIME (G.M.T.) 41 | TIME (L.S.T.) 42 | NO. 43 | PRECIP. (Ins.) 44 | SNOW FALL (Ins.) 45 | SNOW DEPTH (Ins.) 46 | MAX. TEMP. (°F) 47 | MIN. TEMP. (°F) 48 | 49 | STATE OF GRND. 50 | 51 | 52 | 53 | 54 | 55 | SOIL TEMP. 56 | 57 | 58 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MID. TO 0344 | X | 0 | 0 | X | 40 | 33 | X | X | | | | | | X | | |
| | 0344 | 1 | 0 | 0 | 0 | 43 | 33 | | 0 | | | | | | | | |
| | 0443 | 2 | 0 | 0 | 0 | 37 | 30 | | 0 | | | | | | | | |
| | 1546 | 3 | 0 | 0 | 0 | 46 | 37 | | 0 | | | | | | | | |
| | 2146 | 4 | 0 | 0 | 0 | 45 | 32 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 36 | 33 | X | X | | | | | | X | | |

## STATION PRESSURE COMPUTATIONS

| TIME (L.S.T.) 59 | 0344 | 0447 | 1546 | 2146 |
|---|---|---|---|---|
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.760 | 26.850 | 26.800 | 26.880 |
| BAROGRAPH 64 | 26.760 | 26.855 | 26.810 | 26.890 |
| BAR. CORR. 65 | 10 | -.005 | -.010 | -.010 |

## SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

| 24-HR. MAX. TEMP. (°F) 66 | 24-HR. MIN. TEMP. (°F) 67 | 24-HR. PRECIP. WATER EQUIV. (Ins.) 68 | 24-HR. SNOWFALL UNMLTD (Ins.) 69 | SNOW DEPTH (Ins.) 70 | PEAK WIND SPEED (Kts.) 71 | PEAK WIND DIRECTION 72 | PEAK WIND TIME (L.S.T.) 73 | THICKNESS OF ICE ON WATER (Ins.) 74 | FROZEN GROUND LAYER (Ins.) TOP 75 | FROZEN GROUND LAYER (Ins.) BASE 76 | RIVER GAGE 77 | SKY COVER SUNRISE TO SUNSET 78 | SKY COVER MIDNIGHT TO MIDNIGHT 79 | WATER EQUIV. (Ins.) 80 | 81 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 46 | 30 | 0 | 0 | 0 | 32 | NE | 0256 | | | | | 5 | 4 | | |

## WEATHER & OBSTRUCTIONS TO VISION

| TYPE 82 | BEGAN 83 | ENDED 84 | TYPE 86 | BEGAN 87 | ENDED 88 |
|---|---|---|---|---|---|
| | | | | | |

## 90. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE SUNSET

TOTAL SUNSHINE (MIN.) | PERCENT OF POSSIBLE SUNSHINE | CHARACTER OF SUNRISE | CHARACTER OF SUNSET

FASTEST OBSERVED 1-MINUTE WIND SPEED M.P.H. OR FASTEST MILE M.P.H. | ASSOCIATED DIRECTION | TIME

TIME CHECK - CLOCK AT: 1153 PST ±10 Sec./ 2322 ±0 Sec./ ± Sec.

0445P R / 0554P
1850P/14/1946P

~~R/S = 0~~
S/D = 00
R/S = 00

MF1-10B (1-82) SUPERSEDES MF1-10B (2-79) WHICH MAY BE USED. ☆U.S. G.P.O. 1982-564-008/1034

MF1-10A
(1-82)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

STATION: WSMO, DESERT ROCK, NV

DATE: 1983 DEC 28

TO CONVERT LST TO GMT ADD 8 hrs. SUBTRACT ___ hrs.

## SURFACE WEATHER OBSERVATIONS

| TYPE (1) | TIME (LST) (2) | SKY AND CEILING (Hundreds of Feet) (3) | VISIBILITY (Miles) SURFACE (4) | VISIBILITY (Miles) TOWER (4a) | WEATHER AND OBSTRUCTIONS TO VISION (5) | SEA LEVEL PRESS. (Mb.) (6) | TEMP (°F) (7) | DEW PT. (°F) (8) | WIND DIRECTION (00-36) (9) | WIND SPEED (Kts.) (10) | WIND CHARACTER (11) | ALTIMETER SETTING (Ins.) (12) | REMARKS AND SUPPLEMENTAL CODED DATA (13) | OBSERVER'S INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0050 | CLR | 20 | | | 178 | 38 | 10 | 05 | 12G | 20 | 007 | 234 1070 | WRG |
| SA | 0150 | CLR | 20 | | | 185 | 37 | 7 | 03 | 18G | 27 | 010 | | WRG |
| SA | 0250 | CLR | 20 | | | 192 | 35 | 7 | 04 | 10G | 20 | 011 | | WRG |
| SA | 0350 | CLR | 20 | | | 195 | 34 | 10 | 04 | 21 | 29 | 013 | 114 33 RADAT 29041 | SEA |
| SA | 0449 | CLR | 20 | | | 213 | 33 | 8 | 08 | 10 | | 017 | | SEA |
| SA | 0548 | CLR | 20 | | | 224 | 32 | 10 | 05 | 14 | | 019 | | SEA |
| SA | 0648 | 250-SCT | 20 | | | 234 | 31 | 9 | 03 | 13 | | 022 | 229 1001 | SEA |
| SA | 0746 | 250-SCT | 20 | | | 243 | 32 | 10 | 04 | 09 | | 025 | | SEA |
| SA | 0850 | 250-SCT | 20 | | | 257 | 34 | 10 | 03 | 15 | | 028 | | SEA |
| SA | 0948 | 250-SCT | 20 | | | 259 | 37 | 10 | 04 | 11 | | 029 | 122 1001 30 | SEA |
| SA | 1051 | 250-BKN | 20 | | | 254 | 41 | 12 | 04 | 10 | | 028 | | SEA |
| SA | 1149 | 250-BKN | 20 | | | 246 | 43 | 11 | 11 | 08 | | 026 | WSHFTD GRDL | SEA |
| SA | 1252 | 250-SCT | 20 | | | 240 | 44 | 13 | 10 | 13 | | 024 | 817 1001 | SEA |
| SA | 1349 | 250-SCT | 20 | | | 237 | 44 | 12 | 12 | 11 | | 023 | | SEA |
| SA | 1450 | 250-BKN | 20 | | | 237 | 45 | 13 | 13 | 08 | | 023 | | SEA |
| SA | 1550 | 250-OVC | 20 | | | 242 | 45 | 14 | 13 | 10 | | 023 | 500 1007 46 RADAT 36055 | WRG |
| SA | 1650 | 250-OVC | 20 | | | 251 | 41 | 15 | 12 | 07 | | 025 | | WRG |
| SA | 1750 | 250-OVC | 20 | | | 263 | 37 | 17 | 11 | 08 | | 027 | | WRG |
| SA | 1850 | 250-OVC | 20 | | | 267 | 38 | 14 | 10 | 07 | | 028 | 117 1007 | WRG |
| SA | 1950 | 250-BRN | 20 | | | 272 | 35 | 19 | 12 | 06 | | 029 | | WRG |
| SA | 2045 | 250-SCT | 20 | | | 272 | 33 | 21 | 06 | 05 | | 029 | | WRG |
| SA | 2150 | 250-SCT | 20 | | | 276 | 34 | 19 | 13 | 06 | | 032 | 210 1008 46 | WRG |
| SA | 2250 | 250-BKN | 20 | | | 275 | 35 | 22 | 00 | 00 | | 032 | | WRG |
| SA | 2350 | 250-SCT | 20 | | | 277 | 35 | 21 | 06 | 05 | | 033 | | WRG |

A synoptic observation, in WMO code format FM12-VII, is entered on line following related aviation observation.

FM12-VII: Iliii $i_R i_x$hVV Nddff $1s_n$TTT $2s_n T_d T_d T_d$ $3P_oP_oP_oP_o$ 4PPPP 5appp 6RRR$t_R$ 7ww$W_1W_2$ $8N_hC_LC_MC_H$

SUPERSEDES MF1-10A (10-78) WHICH MAY BE USED.

☆ U.S. G.P.O. 1982-564-008/1123

MF1-10B (1-82)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: 1983 DEC 29

To convert LST to GMT ADD 6 hrs. SUBTRACT ___ hrs.

| TIME (L.S.T.) 16 | STATION PRESSURE (Ins.) 17 | DRY BULB (°F) 18 | WET BULB (°F) 19 | REL. HUMIDITY (%) 20 | TOTAL SKY COVER 21 | CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT. 22 | LOWEST LAYER TYPE 23 | LOWEST LAYER HEIGHT 24 | SECOND LAYER AMT. 25 | SECOND LAYER TYPE 26 | SECOND LAYER HEIGHT 27 | SUMMATION TOTAL 28 | THIRD LAYER AMT. 29 | THIRD LAYER TYPE 30 | THIRD LAYER HEIGHT 31 | SUMMATION TOTAL 32 | FOURTH LAYER AMT. 33 | FOURTH LAYER TYPE 34 | FOURTH LAYER HEIGHT 35 | TOTAL OPAQUE SKY COVER 36 | PRESSURE TENDENCY 37 | NET 3-HR. CHANGE (Ins.) 38 | SUNSHINE (Min.) 39 | PRECIPITATION (Ins.) 40 | HR. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00 50 | 26.890 | 35.2 | 29.0 | 47 | 3 | 1 | AC | 160 | 2 | CS | 250 | 3 | | | | | | | | 1 | 1 | .010 | | | 00-01 |
| 01 50 | 26.890 | 37.2 | 30.3 | 45 | 8 | | | | | | | | | | | | | | | 6 | | | | | 01-02 |
| 02 50 | 26.900 | 37.0 | 30.3 | 46 | 7 | | | | | | | | | | | | | | | 3 | | | | | 02-03 |
| 03 52 | 26.890 | 35.7 | 30.8 | 59 | 10 | 4 | AC | 130 | 6 | CS | E250 | 10 | | | | | | | | 6 | 0 | .000 | | | 03-04 |
| 04 46 | 26.890 | 37.0 | 31.2 | 53 | 10 | | | | | | | | | | | | | | | 8 | | | | | 04-05 |
| 05 46 | 26.900 | 36.4 | 30.8 | 54 | 10 | | | | | | | | | | | | | | | 10 | | | | | 05-06 |
| 06 49 | 26.900 | 36.2 | 30.7 | 55 | 10 | 3 | AC | 130 | 7 | CS | E250 | 10 | | | | | | | | 7 | 1 | .010 | | | 06-07 |
| 07 46 | 26.925 | 36.3 | 31.2 | 58 | 10 | | | | | | | | | | | | | | | 5 | | | | | 07-08 |
| 08 48 | 26.945 | 40.0 | 32.8 | 46 | 10 | | | | | | | | | | | | | | | 6 | | | | | 08-09 |
| 09 51 | 26.960 | 44.8 | 35.3 | 37 | 10 | 0 | SC | 80 | 10 | CS | E250 | 10 | | | | | | | | 6 | 2 | .060 | | | 09-10 |
| 10 49 | 26.950 | 47.1 | 36.3 | 32 | 10 | | | | | | | | | | | | | | | 6 | | | | | 10-11 |
| 11 45 | 26.920 | 49.3 | 36.8 | 26 | 10 | | | | | | | | | | | | | | | 5 | | | | | 11-12 |
| 12 49 | 26.890 | 50.3 | 38.0 | 29 | 10 | 10 | CS | 250 | | | | | | | | | | | | 4 | 7 | .070 | | | 12-13 |
| 13 48 | 26.870 | 52.0 | 39.3 | 29 | 10 | | | | | | | | | | | | | | | 4 | | | | | 13-14 |
| 14 51 | 26.880 | 51.3 | 38.2 | 26 | 10 | | | | | | | | | | | | | | | 6 | | | | | 14-15 |
| 15 49 | 26.880 | 50.2 | 38.0 | 29 | 10 | 10 | CS | E250 | | | | | | | | | | | | 7 | 6 | .010 | | | 15-16 |
| 16 47 | 26.880 | 47.0 | 36.2 | 32 | 10 | | | | | | | | | | | | | | | 7 | | | | | 16-17 |
| 17 47 | 26.890 | 45.2 | 35.8 | 39 | 10 | | | | | | | | | | | | | | | 6 | | | | | 17-18 |
| 18 49 | 26.900 | 42.7 | 36.0 | 52 | 5 | 5 | CS | 250 | | | | | | | | | | | | 1 | 3 | .020 | | | 18-19 |
| 19 46 | 26.910 | 40.5 | 35.0 | 59 | 3 | | | | | | | | | | | | | | | 1 | | | | | 19-20 |
| 20 47 | 26.920 | 39.7 | 34.6 | 61 | 3 | | | | | | | | | | | | | | | 1 | | | | | 20-21 |
| 21 50 | 26.930 | 38.0 | 34.4 | 71 | 3 | 3 | CI | 250 | | | | | | | | | | | | 1 | 2 | .030 | | | 21-22 |
| 22 47 | 26.920 | 40.8 | 34.3 | 52 | 1 | | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 23 49 | 26.905 | 36.2 | 33.2 | 75 | 0 | | | | | | | | | | | | | | | 0 | | | | | 23-24 |

## SYNOPTIC OBSERVATIONS

| TIME (G.M.T.) 41 | TIME (L.S.T.) 42 | NO. 43 | PRECIP. (Ins.) 44 | SNOW FALL (Ins.) 45 | SNOW DEPTH (Ins.) 46 | MAX. TEMP. (°F) 47 | MIN. TEMP. (°F) 48 | 49 | STATE OF GRND. 50 | 51 | 52 | 53 | 54 | 55 | SOIL TEMP. 56 | 57 | 58 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MID. TO 0347 | X | 0 | 0 | X | 37 | 34 | X | X | | | | | | X | | |
| | 0347 | 1 | 0 | 0 | 0 | 37 | 33 | | 0 | | | | | | | | |
| | 0948 | 2 | 0 | 0 | 0 | 46 | 34 | | 0 | | | | | | | | |
| | 1545 | 3 | 0 | 0 | 0 | 52 | 45 | | 0 | | | | | | | | |
| | 2146 | 4 | 0 | 0 | 0 | 50 | 38 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 41 | 36 | X | X | | | | | | X | | |

## STATION PRESSURE COMPUTATIONS

| TIME (L.S.T.) 59 | 0350 | 0950 | 1546 | 2147 |
|---|---|---|---|---|
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.890 | 26.960 | 26.880 | 26.930 |
| BAROGRAPH 64 | 26.895 | 26.960 | 26.880 | 26.920 |
| BAR. CORR. 65 | -.005 | 0* | 0 | +.010 |

## SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

| 24-HR. MAX. TEMP. (°F) 66 | 24-HR. MIN. TEMP. (°F) 67 | 24-HR. PRECIP. WATER EQUIV. (Ins.) 68 | 24-HR. SNOWFALL UNML TD (Ins.) 69 | SNOW DEPTH (Ins.) 70 | PEAK WIND SPEED (Kts.) 71 | PEAK WIND DIRECTION 72 | PEAK WIND TIME (L.S.T.) 73 | THICKNESS OF ICE ON WATER (Ins.) 74 | FROZEN GROUND LAYER (Ins.) TOP 75 | FROZEN GROUND LAYER (Ins.) BASE 76 | RIVER GAGE 77 | SKY COVER SUNRISE TO SUNSET 78 | SKY COVER MIDNIGHT TO MIDNIGHT 79 | WATER EQUIV. (Ins.) 80 | 81 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 52 | 34 | 0 | 0 | 0 | 16 | E | 1915 | | | | | 10 | 8 | | |

## WEATHER & OBSTRUCTIONS TO VISION

| TYPE 82 | BEGAN 83 | ENDED 84 | TYPE 86 | BEGAN 87 | ENDED 88 |
|---|---|---|---|---|---|
| | | | | | |

## 90. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE SUNSET

TOTAL SUNSHINE (MIN.) | PERCENT OF POSSIBLE SUNSHINE | CHARACTER OF SUNRISE | CHARACTER OF SUNSET

FASTEST OBSERVED 1-MINUTE WIND SPEED M.P.H. OR FASTEST MILE M.P.H. | ASSOCIATED DIRECTION | TIME

TIME CHECK - CLOCK AT: 0900P ± 0 Sec./ 2151P ± 0 Sec./ ± Sec.

* BAROGRAPH CHART CHANGED

SP = 00
RS = 00

MF1-10A
(1-82)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: 1983 DEC 29

TO CONVERT LST TO GMT: ADD 8 hrs. SUBTRACT ____ hrs.

| TYPE (1) | TIME (LST) (2) | SKY AND CEILING (Hundreds of Feet) (3) | VISIBILITY (Miles) SURFACE (4) | VISIBILITY (Miles) TOWER (4a) | WEATHER AND OBSTRUCTIONS TO VISION (5) | SEA LEVEL PRESS. (Mbs.) (6) | TEMP (°F) (7) | DEW PT. (°F) (8) | WIND DIRECTION (00-36) (9) | WIND SPEED (Kts.) (10) | WIND CHARACTER (11) | ALTIMETER SETTING (Tens) (12) | REMARKS AND SUPPLEMENTAL CODED DATA (13) | OB. SERVER'S INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0050 | 160 SCT 250 - SCT | 20 | | | 276 | 35 | 17 | 09 | 07 | | 033 | 103 1078 | WRG |
| SA | 0150 | 160 SCT E250 BKN | 20 | | | 274 | 37 | 18 | 02 | 06 | | 053 | | WRG |
| SA | 0250 | 160 SCT 250 - BKN | 20 | | | 274 | 37 | 18 | 12 | 06 | | 034 | | WRG |
| SA | 0352 | 130 SCT E250 OVC | 20 | | | 273 | 36 | 23 | 10 | 07 | | 033 | 000 1077 32 RADAT 84100 | CRD |
| SA | 0446 | 130 SCT E250 OVC | 20 | | | 277 | 37 | 22 | 14 | 05 | | 033 | | CRD |
| SA | 0546 | 130 SCT E250 OVC | 20 | | | 282 | 36 | 21 | 33 | 07 | | 034 | | CRD |
| SA | 0649 | 130 SCT E250 OVC | 20 | | | 283 | 36 | 22 | 12 | 07 | | 034 | 103 1077 | CRD |
| SA | 0746 | 250 - OVC | 20 | | | 293 | 36 | 23 | 34 | 04 | | 037 | FEW AC | CRD |
| SA | 0848 | E250 OVC | 20 | | | 300 | 40 | 21 | 09 | 02 | | 040 | FEW SC | CRD |
| SA | 0951 | E250 OVC | 20 | | | 304 | 45 | 20 | 12 | 04 | | 041 | 220 1507 32 | CRD |
| SA | 1049 | E250 OVC | 20 | | | 296 | 47 | 19 | 27 | 04 | | 039 | | CRD |
| SA | 1145 | 250 - OVC | 20 | | | 285 | 49 | 16 | 20 | 03 | | 036 | | CRD |
| SA | 1249 | 250 - OVC | 20 | | | 271 | 50 | 19 | 12 | 05 | | 033 | 724 1007 | CRD |
| SA | 1348 | 250 - OVC | 20 | | | 263 | 52 | 21 | 14 | 10 | | 031 | FEW AC | CRD |
| SA | 1451 | E250 OVC | 20 | | | 266 | 51 | 18 | 14 | 10 | | 032 | | CRD |
| SA | 1549 | E250 OVC | 20 | | | 266 | 50 | 19 | 13 | 09 | | 032 | 603 1007 52 RADAT 74110 | EP |
| SA | 1647 | E250 OVC | 20 | | | 269 | 47 | 19 | 12 | 10 | | 032 | | EP |
| SA | 1747 | E250 OVC | 20 | | | 274 | 45 | 21 | 12 | 06 | | 033 | | EP |
| SA | 1849 | 250 - SCT | 20 | | | 280 | 43 | 27 | 12 | 10 | | 034 | 307 1008 | EP |
| SA | 1946 | 250 - SCT | 20 | | | 285 | 41 | 27 | 05 | 06 | | 035 | | EP |
| SA | 2047 | 250 - SCT | 20 | | | 286 | 40 | 27 | 04 | 05 | | 036 | | EP |
| SA | 2150 | 250 - SCT | 20 | | | 288 | 38 | 29 | 32 | 05 | | 037 | 210 1001 52 | EP |
| SA | 2247 | 250 - SCT | 20 | | | 282 | 41 | 25 | 11 | 06 | | 036 | | EP |
| SA | 2349 | CLR | 20 | | | 276 | 36 | 29 | 31 | 04 | | 034 | | EP |

A synoptic observation, in WMO code format FM12-VII, is entered on line following related aviation observation.

FM12-VII: IIiii $i_R i_x$hVV Nddff $1s_nTTT$ $2s_nT_dT_dT_d$ $3P_oP_oP_oP_o$ 4PPPP 5appp $6RRRt_R$ $7wwW_1W_2$ $8N_hC_LC_MC_H$

SUPERSEDES MF1-10A (10-78) WHICH MAY BE USED.

☆ U.S. G.P.O. 1982-564-008/1123

MF1-10B
(1-82)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK NEVADA

DATE: 30 DEC 1983

To convert LST to GMT ADD 8 hrs. SUBTRACT hrs.

| TIME (L.S.T.) 16 | STATION PRESSURE (Ins.) 17 | DRY BULB (°F) 18 | WET BULB (°F) 19 | REL. HUMIDITY (%) 20 | TOTAL SKY COVER 21 | LOWEST LAYER AMT. 22 | LOWEST LAYER TYPE 23 | LOWEST LAYER HEIGHT 24 | SECOND LAYER AMT. 25 | SECOND LAYER TYPE 26 | SECOND LAYER HEIGHT 27 | SUMMATION TOTAL 28 | THIRD LAYER AMT. 29 | THIRD LAYER TYPE 30 | THIRD LAYER HEIGHT 31 | SUMMATION TOTAL 32 | FOURTH LAYER AMT. 33 | FOURTH LAYER TYPE 34 | FOURTH LAYER HEIGHT 35 | TOTAL OPAQUE SKY COVER 36 | PRESSURE TENDENCY 37 | NET 3-HR. CHANGE (Ins.) 38 | SUNSHINE (Min.) 39 | PRECIPITATION (Ins.) 40 | HR. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00 48 | 26.900 | 35.9 | 32.8 | 74 | 0 | 0 | Ci | 250 | | | | | | | | | | | | 0 | 6 | .030 | | | 00-01 |
| 01 47 | 26.900 | 33.8 | 31.4 | 78 | 0 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 50 | 26.900 | 36.4 | 32.2 | 65 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 49 | 26.880 | 35.3 | 32.2 | 73 | 5 | 5 | Cs | 250 | | | | | | | | | | | | 2 | 8 | .020 | | | 03-04 |
| 04 46 | 26.870 | 34.3 | 32.0 | 79 | 10 | | | | | | | | | | | | | | | 3 | | | | | 04-05 |
| 05 45 | 26.865 | 33.9 | 31.4 | 78 | 10 | | | | | | | | | | | | | | | 3 | | | | | 05-06 |
| 06 48 | 26.870 | 32.8 | 31.2 | 86 | 10 | 10 | Cs | 250 | | | | | | | | | | | | 3 | 5 | .010 | | | 06-07 |
| 07 47 | 26.870 | 36.7 | 32.3 | 64 | 10 | | | | | | | | | | | | | | | 7 | | | | | 07-08 |
| 08 49 | 26.870 | 42.5 | 35.0 | 47 | 10 | | | | | | | | | | | | | | | 8 | | | | | 08-09 |
| 09 45 | 26.870 | 44.9 | 36.9 | 47 | 10 | 0 | ACSL | 120 | 10 | Cs | 250 | 10 | | | | | | | | 5 | 1 | .020 | | | 09-10 |
| 10 46 | 26.865 | 49.4 | 38.3 | 34 | 10 | | | | | | | | | | | | | | | 5 | | | | | 10-11 |
| 11 46 | 26.835 | 51.8 | 39.2 | 29 | 10 | | | | | | | | | | | | | | | 5 | | | | | 11-12 |
| 12 47 | 26.810 | 52.2 | 39.8 | 31 | 10 | 3 | ACSL | 140 | 7 | Cs | E250 | 10 | | | | | | | | 7 | 7 | .080 | | | 12-13 |
| 13 50 | 26.800 | 52.1 | 40.7 | 36 | 10 | | | | | | | | | | | | | | | 7 | | | | | 13-14 |
| 14 52 | 26.790 | 50.9 | 39.9 | 36 | 8 | | | | | | | | | | | | | | | 5 | | | | | 14-15 |
| 15 50 | 26.800 | 49.0 | 39.3 | 41 | 5 | 0 | ACSL | 140 | 5 | Cs | 250 | 5 | | | | | | | | 2 | 5 | .010 | | | 15-16 |
| 16 45 | 26.820 | 46.3 | 38.3 | 48 | 5 | | | | | | | | | | | | | | | 2 | | | | | 16-17 |
| 17 48 | 26.830 | 45.2 | 37.6 | 50 | 6 | | | | | | | | | | | | | | | 3 | | | | | 17-18 |
| 18 49 | 26.820 | 46.0 | 37.8 | 47 | 4 | 0 | Ac | 140 | 4 | Cs | 250 | 4 | | | | | | | | 1 | 0 | .020 | | | 18-19 |
| 19 46 | 26.830 | 42.5 | 36.8 | 59 | 5 | | | | | | | | | | | | | | | 2 | | | | | 19-20 |
| 20 46 | 26.820 | 44.3 | 37.5 | 54 | 8 | | | | | | | | | | | | | | | 4 | | | | | 20-21 |
| 21 48 | 26.840 | 41.1 | 36.5 | 66 | 10 | 0 | Ac | 140 | 10 | Cs | E250 | 10 | | | | | | | | 9 | 3 | .020 | | | 21-22 |
| 22 46 | 26.850 | 40.5 | 36.7 | 71 | 10 | | | | | | | | | | | | | | | 7 | | | | | 22-23 |
| 23 47 | 26.840 | 39.8 | 36.0 | 71 | 8 | | | | | | | | | | | | | | | 4 | | | | | 23-24 |

## SYNOPTIC OBSERVATIONS

| TIME (G.M.T.) 41 | TIME (L.S.T.) 42 | NO. 43 | PRECIP. (Ins.) 44 | SNOW FALL (Ins.) 45 | SNOW DEPTH (Ins.) 46 | MAX. TEMP. (°F) 47 | MIN. TEMP. (°F) 48 | 49 | STATE OF GRND. 50 | 51 | 52 | 53 | 54 | 55 | SOIL TEMP. 56 | 57 | 58 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MID. TO 0346 | | 0 | 0 | | 37 | 33 | | | | | | | | | | |
| | 0346 | 1 | 0 | 0 | 0 | 41 | 33 | | 0 | | | | | | | | |
| | 0943 | 2 | 0 | 0 | 0 | 46 | 32 | | 0 | | | | | | | | |
| | 1545 | 3 | 0 | 0 | 0 | 53 | 45 | | 0 | | | | | | | | |
| | 2145 | 4 | 0 | 0 | 0 | 49 | 41 | | 0 | | | | | | | | |
| | MID. | | 0 | 0 | 0 | 41 | 40 | | | | | | | | | | |

### STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0348 | 0944 | 1546 | 2146 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.880 | 26.870 | 26.800 | 26.840 |
| BAROGRAPH 64 | 26.880 | 26.880 | 26.795 | 26.820 |
| BAR. CORR. 65 | 0 | +.010 | +.005 | +.020 |

## SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

| 24-HR. MAX. TEMP. (°F) 66 | 24-HR. MIN. TEMP. (°F) 67 | 24-HR. PRECIP. WATER EQUIV. (Ins.) 68 | 24-HR. SNOWFALL UNMLTD (Ins.) 69 | SNOW DEPTH (Ins.) 70 | PEAK WIND SPEED (Kts.) 71 | PEAK WIND DIRECTION 72 | PEAK WIND TIME (L.S.T.) 73 | THICKNESS OF ICE ON WATER (Ins.) 74 | FROZEN GROUND LAYER (Ins.) TOP 75 | FROZEN GROUND LAYER (Ins.) BASE 76 | RIVER GAGE 77 | SKY COVER SUNRISE TO SUNSET 78 | SKY COVER MIDNIGHT TO MIDNIGHT 79 | WATER EQUIV. (Ins.) 80 | 81 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 53 | 32 | 0 | 0 | 0 | 14 | SE | 1503 | | | | | 9 | 7 | | |

### WEATHER & OBSTRUCTIONS TO VISION

| TYPE 82 | BEGAN 83 | ENDED 84 | TYPE 86 | BEGAN 87 | ENDED 88 |
|---|---|---|---|---|---|

## 90. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE SUNSET

TOTAL SUNSHINE (MIN.) | PERCENT OF POSSIBLE SUNSHINE | CHARACTER OF SUNRISE | CHARACTER OF SUNSET

FASTEST OBSERVED 1-MINUTE WIND SPEED M.P.H. OR FASTEST MILE M.P.H. | ASSOCIATED DIRECTION | TIME

TIME CHECK - CLOCK AT: 0800P ±0 Sec./ 2000 P ±0 Sec./ ± Sec.

SP = 00
RS = 00

MF1-10B (1-82) SUPERSEDES MF1-10B (2-79) WHICH MAY BE USED.

U.S. G.P.O. 1982-564-008/1124

MF1-10A (1-82)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK NEVADA

DATE: 30 DEC 1983

TO CONVERT LST TO GMT: ADD 8 hrs. SUBTRACT ____ hrs.

| TYPE (1) | TIME (LST) (2) | SKY AND CEILING (Hundreds of Feet) (3) | VISIBILITY (Miles) SURFACE (4) | VISIBILITY (Miles) TOWER (4a) | WEATHER AND OBSTRUCTIONS TO VISION (5) | SEA LEVEL PRESS. (Mbs.) (6) | TEMP (°F) (7) | DEW PT. (°F) (8) | WIND DIRECTION (00-36) (9) | WIND SPEED (Kts.) (10) | WIND CHARACTER (11) | ALTIMETER SETTING (Inches) (12) | REMARKS AND SUPPLEMENTAL CODED DATA (13) | OBS. SERVERS INITIALS (14) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0048 | CLR | 20 | | | 275 | 36 | 28 | 13 | 04 | | 034 | 610 1001 | EP |
| SA | 0147 | CLR | 20 | | | 275 | 34 | 28 | 36 | 03 | | 034 | | EP |
| SA | 0250 | CLR | 20 | | | 274 | 36 | 26 | 09 | 02 | | 034 | | EP |
| SA | 0349 | 250 - SCT | 20 | | | 267 | 35 | 28 | 05 | 04 | | 032 | 807 1006 33 RADAT 24122 | CRD |
| SA | 0446 | 250 - OVC | 20 | | | 266 | 34 | 29 | 03 | 04 | | 031 | | CRD |
| SA | 0545 | 250 - OVC | 20 | | | 267 | 34 | 28 | 04 | 03 | | 030 | | CRD |
| SA | 0646 | 250 - OVC | 20 | | | 271 | 33 | 29 | 33 | 04 | | 031 | 503 1007 | CRD |
| SA | 0747 | 120 SCT E250 OVC | 20 | | | 270 | 37 | 26 | 15 | 10 | | 031 | | CRD |
| SA | 0849 | E250 OVC | 20 | | | 274 | 43 | 24 | 06 | 03 | | 033 | FEW AC | CRD |
| SA | 0945 | 250-OVC | 20 | | | 273 | 45 | 26 | 31 | 03 | | 033 | ACSL SE SW / 107 1047 32 | CRD |
| SA | 1046 | 250-OVC | 20 | | | 260 | 49 | 22 | 11 | 10 | | 030 | ACSL ALQDS | CRD |
| SA | 1146 | 140 SCT 250 -OVC | 20 | | | 248 | 52 | 21 | 14 | 12 | | 027 | ACSL ALQDS | CRD |
| SA | 1247 | 140 SCT E250 OVC | 20 | | | 239 | 52 | 23 | 15 | 09 | | 024 | ACSL ALQDS/727 1047 | CRD |
| SA | 1350 | 140 SCT E250 OVC | 20 | | | 237 | 52 | 26 | 15 | 07 | | 023 | ACSL SE SW | CRD |
| SA | 1452 | 140 SCT E250BKN | 20 | | | 232 | 51 | 25 | 15 | 11 | | 022 | ACSL SE SW | CRD |
| SA | 1550 | 250 - SCT | 20 | | | 239 | 49 | 26 | 13 | 05 | | 023 | ACSL SE/503 1048 53 | EP |
| | | | | | | | | | | | | | RADAT 55112 | |
| SA | 1645 | 140 SCT 250 - SCT | 20 | | | 246 | 46 | 28 | 12 | 07 | | 025 | ACSL SE | EP |
| SA | 1748 | 140 SCT 250 - BKN | 20 | | | 253 | 45 | 27 | 08 | 07 | | 026 | | EP |
| SA | 1849 | 250 - SCT | 20 | | | 248 | 46 | 27 | 09 | 07 | | 025 | 007 1038 | EP |
| SA | 1946 | 250 - SCT | 20 | | | 253 | 43 | 29 | 00 | 00 | | 026 | | EP |
| SA | 2046 | 250 - BKN | 20 | | | 244 | 44 | 29 | 09 | 06 | | 025 | | EP |
| SA | 2148 | E250 OVC | 20 | | | 252 | 41 | 31 | 01 | 03 | | 027 | 307 1037 53 | EP |
| SA | 2246 | E250 OVC | 20 | | | 254 | 41 | 32 | 00 | 00 | | 028 | | EP |
| SA | 2347 | 250 - BKN | 20 | | | 249 | 40 | 31 | 09 | 05 | | 027 | | EP |

A synoptic observation, in WMO code format FM12-VII, is entered on line following related aviation observation.

FM12-VII: IIiii $i_R i_x$hVV Nddff $1s_nTTT$ $2s_nT_dT_dT_d$ $3P_oP_oP_oP_o$ 4PPPP 5appp 6RRR$t_R$ 7wwW$_1$W$_2$ 8$N_hC_LC_MC_H$

SUPERSEDES MF1-10A (10-78) WHICH MAY BE USED.

☆ U.S. G.P.O. 1982-564-008/1123

MF1-10B (1-82)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK NEVADA

DATE: 31 DEC 1983

To convert LST to GMT ADD 8 hrs. SUBTRACT ___ hrs.

| TIME (L.S.T.) 16 | STATION PRESSURE (Ins.) 17 | DRY BULB (°F) 18 | WET BULB (°F) 19 | REL. HUMIDITY (%) 20 | TOTAL SKY COVER 21 | LOWEST LAYER AMT. 22 | LOWEST LAYER TYPE 23 | LOWEST LAYER HEIGHT 24 | SECOND LAYER AMT. 25 | SECOND LAYER TYPE 26 | SECOND LAYER HEIGHT 27 | SUMMATION TOTAL 28 | THIRD LAYER AMT. 29 | THIRD LAYER TYPE 30 | THIRD LAYER HEIGHT 31 | SUMMATION TOTAL 32 | FOURTH LAYER AMT. 33 | FOURTH LAYER TYPE 34 | FOURTH LAYER HEIGHT 35 | TOTAL OPAQUE SKY COVER 36 | PRESSURE TENDENCY 37 | NET 3-HR. CHANGE (Ins.) 38 | SUNSHINE (Min.) 39 | PRECIPITATION (Ins.) 40 | HR. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00 50 | 26.830 | 39.2 | 35.8 | 73 | 5 | 5 | Cs | 250 | | | | | | | | | | | | 1 | 8 | .010 | | | 00-01 |
| 01 46 | 26.830 | 38.7 | 34.8 | 69 | 2 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 50 | 26.830 | 35.8 | 33.4 | 79 | 2 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 52 | 26.820 | 35.0 | 32.9 | 82 | 4 | 4 | Cs | 250 | | | | | | | | | | | | 2 | 8 | .010 | | | 03-04 |
| 04 47 | 26.800 | 39.7 | 33.0 | 85 | 4 | | | | | | | | | | | | | | | 2 | | | | | 04-05 |
| 05 49 | 26.835 | 37.1 | 34.4 | 77 | 3 | | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 06 50 | 26.850 | 41.2 | 37.3 | 71 | 0 | 0 | Cs | 250 | | | | | | | | | | | | 0 | 3 | .030 | | | 06-07 |
| 07 47 | 26.860 | 37.6 | 34.3 | 73 | 0 | | | | | | | | | | | | | | | 0 | | | | | 07-08 |
| 08 51 | 26.880 | 44.6 | 38.9 | 61 | 0 | | | | | | | | | | | | | | | 0 | | | | | 08-09 |
| 09 46 | 26.885 | 51.1 | 41.8 | 46 | 1 | 1 | Ci | 250 | | | | | | | | | | | | 0 | 2 | .035 | | | 09-10 |
| 10 47 | 26.865 | 54.8 | 43.2 | 38 | 5 | | | | | | | | | | | | | | | 1 | | | | | 10-11 |
| 11 45 | 26.830 | 57.6 | 46.2 | 42 | 7 | | | | | | | | | | | | | | | 2 | | | | | 11-12 |
| 12 47 | 26.810 | 57.6 | 45.2 | 37 | 9 | 0 | Cu | 80 | 9 | Cs | 250 | 9 | | | | | | | | 3 | 7 | .075 | | | 12-13 |
| 13 45 | 26.800 | 59.7 | 46.2 | 35 | 10 | | | | | | | | | | | | | | | 6 | | | | | 13-14 |
| 14 50 | 26.800 | 55.4 | 46.4 | 40 | 10 | | | | | | | | | | | | | | | 7 | | | | | 14-15 |
| 15 52 | 26.830 | 56.7 | 45.5 | 42 | 9 | 0 | Ac | 140 | 9 | Cs | E220 | 9 | | | | | | | | 7 | 3 | .020 | | | 15-16 |
| 16 48 | 26.830 | 53.0 | 45.0 | 54 | 9 | | | | | | | | | | | | | | | 8 | | | | | 16-17 |
| 17 49 | 26.850 | 52.8 | 44.2 | 51 | 8 | | | | | | | | | | | | | | | 4 | | | | | 17-18 |
| 18 48 | 26.860 | 50.1 | 42.5 | 54 | 5 | 5 | Cs | 220 | | | | | | | | | | | | 2 | 3 | .030 | | | 18-19 |
| 19 48 | 26.860 | 48.7 | 41.2 | 53 | 5 | | | | | | | | | | | | | | | 2 | | | | | 19-20 |
| 20 49 | 26.880 | 47.2 | 40.2 | 55 | 2 | | | | | | | | | | | | | | | 0 | | | | | 20-21 |
| 21 45 | 26.900 | 47.4 | 40.1 | 53 | 2 | 2 | Cs | 220 | | | | | | | | | | | | 0 | 3 | .040 | | | 21-22 |
| 22 48 | 26.920 | 45.7 | 39.2 | 57 | 2 | | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 23 49 | 26.920 | 44.9 | 37.6 | 51 | 2 | | | | | | | | | | | | | | | 0 | | | | | 23-24 |

CLOUDS AND OBSCURING PHENOMENA

## SYNOPTIC OBSERVATIONS

| TIME (G.M.T.) 41 | TIME (L.S.T.) 42 | NO. 43 | PRECIP. (Ins.) 44 | SNOW FALL (Ins.) 45 | SNOW DEPTH (Ins.) 46 | MAX. TEMP. (°F) 47 | MIN. TEMP. (°F) 48 | 49 | STATE OF GRND. 50 | 51 | 52 | 53 | 54 | 55 | SOIL TEMP. 56 | 57 | 58 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MID. TO 0348 | X | 0 | 0 | X | 40 | 33 | X | X | | | | | | X | | |
| | 0348 | 1 | 0 | 0 | 0 | 41 | 33 | | 0 | | | | | | | | |
| | 0943 | 2 | 0 | 0 | 0 | 52 | 33 | | 0 | | | | | | | | |
| | 1546 | 3 | 0 | 0 | 0 | 61 | 51 | | 0 | | | | | | | | |
| | 2142 | 4 | 0 | 0 | 0 | 57 | 47 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 47 | 45 | X | X | | | | | | X | | |

STATION PRESSURE COMPUTATIONS

| TIME (L.S.T.) 59 | 0351 | 0945 | 1547 | 2143 |
|---|---|---|---|---|
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.820 | 26.895 | 26.830 | 26.900 |
| BAROGRAPH 64 | 26.800 | 26.870 | 26.805 | 26.880 |
| BAR. CORR. 65 | +.020 | +.015 | +.025 | +.020 |

## SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

| 24-HR. MAX. TEMP. (°F) 66 | 24-HR. MIN. TEMP. (°F) 67 | 24-HR. PRECIP. WATER EQUIV. (Ins.) 68 | 24-HR. SNOWFALL UNML TO (Ins.) 69 | SNOW DEPTH (Ins.) 70 | PEAK WIND SPEED (Kts.) 71 | PEAK WIND DIRECTION 72 | PEAK WIND TIME (L.S.T.) 73 | THICKNESS OF ICE ON WATER (Ins.) 74 | FROZEN GROUND LAYER (Ins.) TOP 75 | FROZEN GROUND LAYER (Ins.) BASE 76 | RIVER GAGE 77 | SKY COVER SUNRISE TO SUNSET 78 | SKY COVER MIDNIGHT TO MIDNIGHT 79 | WATER EQUIV. (Ins.) 80 | 81 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 61 | 33 | 0 | 0 | 0 | 21 | N | 2012 | | | | | 5 | 4 | | |

WEATHER & OBSTRUCTIONS TO VISION

| TYPE 82 | BEGAN 83 | ENDED 84 | TYPE 86 | BEGAN 87 | ENDED 88 |
|---|---|---|---|---|---|
| | | | | | |

## 90. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE SUNSET

TOTAL SUNSHINE (MIN.) PERCENT OF POSSIBLE SUNSHINE CHARACTER OF SUNRISE CHARACTER OF SUNSET

FASTEST OBSERVED 1-MINUTE WIND SPEED M.P.H. OR FASTEST MILE M.P.H. ASSOCIATED DIRECTION TIME

TIME CHECK - CLOCK AT: 0700P ± 0 Sec. / 2000P ± 0 Sec. / ± Sec.

0352P/247/0447P/239/0549P/252/0645P

SP = 00

RS = 00

MF1-10B (1-82) SUPERSEDES MF1-10B (2-79) WHICH MAY BE USED.

U.S. G.P.O. 1982-564-008/1124

MF1-10A
(1-82)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK NEVADA

DATE: 3 1 DEC 1983

TO CONVERT LST TO GMT: ADD 8 hrs. SUBTRACT ____ hrs.

| TYPE (1) | TIME LST (2) | SKY AND CEILING (Hundreds of Feet) (3) | VISIBILITY (Miles) SURFACE (4) | VISIBILITY (Miles) TOWER (4a) | WEATHER AND OBSTRUCTIONS TO VISION (5) | SEA LEVEL PRESS. (Mbs.) (6) | TEMP. (°F) (7) | DEW PT. (°F) (8) | WIND DIRECTION (100-36) (9) | WIND SPEED (Kts.) (10) | WIND CHARACTER (11) | ALTIMETER SETTING (Ins.) (12) | REMARKS AND SUPPLEMENTAL CODED DATA (13) | OBSERVERS INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0050 | 250-SCT | 20 | | | 245 | 39 | 31 | 28 | 03 | | 026 | 803 1008 | EP |
| SA | 0146 | 250-SCT | 20 | | | 245 | 39 | 30 | 11 | 05 | | 026 | | EP |
| SA | 0250 | 250-SCT | 20 | | | 247 | 36 | 30 | 35 | 05 | | 026 | | EP |
| SA | 0352 | 250-SCT | 20 | | | 251 | 35 | 30 | 32 | 05 | | 025 | 803 1008 33 RADAT 43049 | CRD |
| SA | 0447 | 250-SCT | 20 | | | 244 | 35 | 31 | 18 | 04 | | 023 | | CRD |
| SA | 0549 | 250-SCT | 20 | | | 257 | 37 | 31 | 30 | 04 | | 027 | | CRD |
| SA | 0650 | CLR | 20 | | | 255 | 41 | 32 | 03 | 05 | | 028 | 310 1008 | CRD |
| SA | 0747 | CLR | 20 | | | 262 | 38 | 30 | 13 | 04 | | 029 | | CRD |
| SA | 0851 | CLR | 20 | | | 267 | 45 | 32 | 13 | 05 | | 032 | | CRD |
| SA | 0946 | 250-SCT | 20 | | | 267 | 51 | 31 | 09 | 05 | | 033 | 212 1001 33 | CRD |
| SA | 1047 | 250-SCT | 20 | | | 255 | 55 | 29 | 11 | 03 | | 030 | | CRD |
| SA | 1145 | 250-BKN | 20 | | | 242 | 58 | 34 | 14 | 05 | | 026 | | CRD |
| SA | 1247 | 250-BKN | 20 | | | 233 | 58 | 32 | 03 | 12 | | 024 | 725 1106 | CRD |
| SA | 1345 | E250 OVC | 20 | | | 229 | 60 | 32 | 04 | 10 | | 023 | CU SE | CRD |
| SA | 1450 | E250 OVC | 20 | | | 231 | 58 | 34 | 05 | 10 | | 023 | | CRD |
| SA | 1552 | E220 BKN | 20 | | | 244 | 57 | 34 | 07 | 06 | | 026 | 307 1038 61 RADAT 39087 | EP |
| SA | 1648 | E220 BKN | 20 | | | 247 | 53 | 37 | 05 | 07 | | 026 | | EP |
| SA | 1749 | 220-BKN | 20 | | | 254 | 53 | 35 | 03 | 11 | | 028 | | EP |
| SA | 1848 | 220-SCT | 20 | | | 257 | 50 | 34 | 02 | 13 | | 029 | 310 1008 | EP |
| SA | 1948 | 220-SCT | 20 | | | 260 | 49 | 33 | 02 | 17 | | 029 | | EP |
| SA | 2049 | 220-SCT | 20 | | | 264 | 47 | 32 | 03 | 16 | | 032 | | EP |
| SA | 2145 | 220-SCT | 20 | | | 266 | 47 | 31 | 07 | 12 | | 034 | 314 1008 61 | EP |
| SA | 2248 | 220-SCT | 20 | | | 273 | 46 | 31 | 07 | 09 | | 036 | | EP |
| SA | 2349 | 220-SCT | 20 | | | 272 | 45 | 28 | 04 | 15 | | 036 | | EP |

A synoptic observation, in WMO code format FM12-VII, is entered on line following related aviation observation.

FM12-VII: IIiii $i_R i_x$hVV Nddff $1s_nTTT$ $2s_nT_dT_dT_d$ $3P_oP_oP_oP_o$ 4PPPP 5appp $6RRRt_R$ $7wwW_1W_2$ $8N_hC_LC_MC_H$

SUPERSEDES MF1-10A (10-78) WHICH MAY BE USED.

☆ U.S. G.P.O. 1982-564-008/1123