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, Nevada

MONTH: August | YEAR: 1984

LATITUDE: 36° 39' 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 [redacted] Knots | PEAK SPEED [redacted] Knots | DIRECTION | Ave STN PRESS [redacted] | * PERCENT OF POSSIBLE SUN | SKY COVER SUNRISE TO SUNSET (Tenths) | WEATHER OCCURRENCES | RH 04 | 10 | 16 | 22 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6a | 6b | 7 | 8 | 9 | 10 | 11 | 12 | | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| 1 | 94 | 67 | 81 | | 0 | 16 | 0 | 0 | 0 | 6.0 | 15 | E | 26.55 | 70 | 3 | | 68 | 34 | 21 | 28 |
| 2 | 97 | 67 | 82 | | 0 | 17 | 0 | 0 | 0 | 6.1 | 23 | S | 26.60 | 95 | 1 | | 59 | 25 | 14 | 23 |
| 3 | 97 | 67 | 82 | | 0 | 17 | 0 | 0 | 0 | 6.2 | 25 | SW | 26.60 | 95 | 1 | | 41 | 24 | 14 | 31 |
| 4 | 99 | 67 | 83 | | 0 | 18 | 0 | 0 | 0 | 6.6 | 26 | S | 26.51 | 95 | 1 | | 41 | 21 | 13 | 25 |
| 5 | 98 | 69 | 84 | | 0 | 19 | 0 | 0 | 0 | 8.4 | 29 | S | 26.51 | 95 | 1 | | 40 | 17 | 16 | 27 |
| 6 | 97 | 69 | 83 | | 0 | 18 | 0 | 0 | 0 | 8.0 | 22 | SW | 26.54 | 100 | 0 | | 32 | 16 | 13 | 28 |
| 7 | 101 | 66 | 84 | | 0 | 19 | 0 | 0 | 0 | 4.9 | 14 | W | 26.62 | 100 | 0 | | 40 | 14 | 9 | 26 |
| 8 | 103 | 66 | 85 | | 0 | 20 | 0 | 0 | 0 | 5.3 | 18 | NE | 26.56 | 79 | 2 | | 45 | 17 | 9 | 29 |
| 9 | 102 | 74 | 88 | | 0 | 23 | 0 | 0 | 0 | 6.5 | 21 | SW | 26.51 | 95 | 0 | | 27 | 14 | 10 | 24 |
| 10 | 91 | 75 | 83 | | 0 | 18 | T | 0 | 0 | 4.6 | 17 | SW | 26.59 | 28 | 8 | RW- | 37 | 37 | 25 | 40 |
| 11 | 96 | 74 | 85 | | 0 | 20 | T | 0 | 0 | 4.9 | 28 | NE | 26.60 | 79 | 3 | T, R- | 52 | 40 | 19 | 40 |
| 12 | 96 | 69 | 83 | | 0 | 18 | 0 | 0 | 0 | 4.8 | 15 | SW | 26.58 | 87 | 1 | | 56 | 27 | 23 | 33 |
| 13 | 100 | 71 | 86 | | 0 | 21 | 0 | 0 | 0 | 6.5 | 26 | SW | 26.55 | 46 | 5 | | 46 | 26 | 21 | 33 |
| 14 | 89 | 68 | 79 | | 0 | 14 | 0.94 | 0 | 0 | 9.3 | 40 | E | 26.61 | 7 | 9 | T, RW+ | 51 | 45 | 75 | 82 |
| 15 | 78 | 68 | 73 | | 0 | 8 | 1.02 | 0 | 0 | 4.8 | 16 | SE | 26.67 | 4 | 10 | T, RW+ | 84 | 68 | 95 | 96 |
| 16 | 88 | 66 | 77 | | 0 | 12 | 0 | 0 | 0 | 4.7 | 15 | NW | 26.69 | 79 | 3 | | 100 | 59 | 41 | 79 |
| 17 | 94 | 67 | 81 | | 0 | 16 | 0 | 0 | 0 | 5.5 | 13 | NE | 26.63 | 80 | 3 | | 64 | 42 | 25 | 68 |
| 18 | 89 | 68 | 79 | | 0 | 14 | 0.16 | 0 | 0 | 8.1 | 22 | E | 26.61 | 16 | 8 | T, RW- | 78 | 46 | 42 | 85 |
| 19 | 75 | 64 | 70 | | 0 | 5 | 1.02 | 0 | 0 | 4.9 | 15 | NW | 26.61 | 11 | 10 | T, RW | 82 | 97 | 60 | 95 |
| 20 | 85 | 64 | 75 | | 0 | 10 | 0 | 0 | 0 | 6.3 | 31 | SE | 26.59 | 52 | 6 | T | 93 | 61 | 46 | 73 |
| 21 | 88 | 64 | 76 | | 0 | 11 | 0 | 0 | 0 | 6.5 | 15 | SE | 26.63 | 86 | 1 | | 78 | 55 | 39 | 62 |
| 22 | 88 | 67 | 78 | | 0 | 13 | 0 | 0 | 0 | 5.5 | 22 | S | 26.66 | 54 | 6 | | 76 | 44 | 35 | 58 |
| 23 | 92 | 69 | 81 | | 0 | 16 | 0 | 0 | 0 | 7.5 | 25 | SW | 26.62 | 88 | 1 | | 57 | 36 | 25 | 38 |
| 24 | 92 | 65 | 79 | | 0 | 14 | 0 | 0 | 0 | 7.7 | 26 | S | 26.54 | 98 | 0 | | 59 | 27 | 16 | 36 |
| 25 | 89 | 66 | 78 | | 0 | 13 | T | 0 | 0 | 8.7 | 33 | SE | 26.58 | 59 | 5 | T, RW- | 53 | 41 | 28 | 64 |
| 26 | 86 | 65 | 76 | | 0 | 11 | 0 | 0 | 0 | 5.2 | 18 | SE | 26.68 | 55 | 5 | | 77 | 41 | 40 | 57 |
| 27 | 93 | 65 | 79 | | 0 | 14 | 0 | 0 | 0 | 6.4 | 22 | SW | 26.68 | 94 | 1 | | 83 | 34 | 20 | 40 |
| 28 | 95 | 67 | 81 | | 0 | 16 | 0 | 0 | 0 | 4.2 | 13 | SW | 26.71 | 95 | 1 | | 66 | 31 | 23 | 50 |
| 29 | 99 | 67 | 83 | | 0 | 18 | 0 | 0 | 0 | 4.0 | 10 | W | 26.72 | 94 | 1 | | 65 | 26 | 15 | 40 |
| 30 | 100 | 67 | 84 | | 0 | 19 | 0 | 0 | 0 | 7.1 | 24 | S | 26.59 | 97 | 0 | | 50 | 21 | 16 | 30 |
| 31 | 91 | 74 | 83 | | 0 | 18 | 0 | 0 | 0 | 10.1 | 24 | NE | 26.50 | 100 | 0 | | 28 | 23 | 14 | 15 |
| SUM | 2882 | 2102 | — | — | 0 | 486 | 3.14 | 0 | — | 195.3 | — | — | 824.64 | — | 96 | — | 1828 | 1109 | 862 | 1455 |
| AVG | 93.0 | 67.8 | — | — | — | — | — | — | — | 6.3 | FASTEST | DIRECTION | [redacted] | % | 3.1 | — | 59 | 36 | 28 | 47 |
| | | | | | | | | | | MISC. → | 40 | E | 26.60 | 72 | | — | | | | |

**TEMPERATURE DATA**

AVERAGE MONTHLY 80.4
DEPARTURE FROM NORMAL -1.8
HIGHEST 103 ON 8
LOWEST 64 ON 19

NUMBER OF DAYS WITH –
MAX. 32° OR BELOW 0
MAX. 90° OR ABOVE 21
MIN. 32° OR BELOW 0
MIN. 0° OR BELOW 0

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

COOLING DEGREE DAYS (Base 65°)
TOTAL THIS MONTH 486
DEPARTURE FROM NORMAL -53
SEASONAL TOTAL 1768
DEPARTURE FROM NORMAL

*Estimated

**PRECIPITATION DATA**

TOTAL FOR THE MONTH 3.14 IN.
DEPARTURE FROM NORMAL ____ IN.
GREATEST IN 24 HRS. 1.02 ON 15, 19

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) 21
PARTLY CLOUDY (Scale 4–7) 5
CLOUDY (Scale 8–10) 5
WITH 0.01 INCH OR MORE PRECIP. 4
WITH 0.10 INCH OR MORE PRECIP. 4
WITH 0.50 INCH OR MORE PRECIP. 3
WITH 1.00 INCH OR MORE PRECIP. 2

**SYMBOLS USED IN COLUMN 16**

T = thunder-storm
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 STN 26.78 IN. ON 4
LOWEST [redacted] 26.28 IN. ON 29

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

MF1-10A (1-82)

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

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: 1984 AUG 1

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 (15) | 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 (Tens) (12) | REMARKS AND SUPPLEMENTAL CODED DATA (13) | OBSERVERS INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0052 | 80 SCT | 20 | | | 107 | 70 | 62 | 06 | 03 | | 997 | 000 1400 | WRG |
| SA | 0152 | 80 SCT | 20 | | | 107 | 70 | 61 | 12 | 06 | | 997 | | WRG |
| SA | 0252 | 80 SCT | 20 | | | 105 | 69 | 60 | 01 | 03 | | 996 | | WRG |
| SA | 0351 | CLR | 20 | | | 108 | 70 | 59 | 33 | 02 | | 996 | 6 ~~3~~02 1030 68 20033 | |
| | | | | | | | | | | | | | RADAT 62138 | JD |
| SA | 0452 | CLR | 20 | | | 115 | 68 | 59 | 36 | 04 | | 997 | ACC NE-SE | JD |
| SA | 0551 | 110 SCT | 20 | | | 116 | 72 | 55 | 04 | 10 | | 998 | ACC N-S | JD |
| SA | 0655 | 190 SCT | 20 | | | 117 | 75 | 58 | 13 | 03 | | 999 | ACC NE-SE/ 108 1080 | JD |
| SA | 0755 | 110 SCT 190 SCT | 20 | | | 118 | 80 | 55 | 13 | 03 | | 999 | ACC NE-SE TCU DSNT SE | JD |
| SA | 0851 | 110 SCT 190 - SCT | 20 | | | 117 | 82 | 56 | 31 | 03 | | 999 | ACC NE-S TCU SE AND NW | JD |
| SA | 0955 | 110 SCT 190 SCT | 20 | | | 116 | 87 | 55 | 13 | 07 | | 999 | TCU ALQDS RWU SE/ 002 | |
| | | | | | | | | | | | | | 1270 67 | JD |
| SA | 1052 | 90 SCT 120 SCT | 20 | | | 112 | 89 | 55 | 10 | 10 | | 998 | CB NE SW AND NW-N MOVG | |
| | | | | | | | | | | | | | N RWU SE | JD |
| SA | 1151 | 90 SCT 120 SCT 200 SCT | 20 | | | 109 | 89 | 52 | 13 | 10 | | 997 | CB NE-E SW AND NW | |
| | | | | | | | | | | | | | MOVG N RWU SE | JD |
| SA | 1254 | 90 SCT 120 SCT E220 BKN | 20 | | | 100 | 90 | 50 | 13 | 09 | | 995 | CB N-NE MOVG NE/ | |
| | | | | | | | | | | | | | 814 1963 | JD |
| SA | 1353 | 90 SCT 120 SCT 220 SCT | 20 | | | 094 | 93 | 52 | 13 | 08 | | 994 | CB N-NE MOVG NE | JD |
| SA | 1451 | 80 SCT E120 BKN 230 BKN | 20 | | | 090 | 91 | 53 | 17 | 10 | | 992 | CB N MOVG NE | JD |
| SA | 1552 | E 80 BKN 120 BKN | 20 | | | 089 | 94 | 49 | 16 | 09 | | 991 | CBN MOVG N TCU ALQDS 714 | |
| | | | | | | | | | | | | | 1360 94 RADAT 94139 | WRG |
| SA | 1652 | 80 SCT | 20 | | | 084 | 90 | 50 | 18 | 07 | | 990 | CB MOVD N | WRG |
| SA | 1752 | 80 SCT | 20 | | | 081 | 91 | 50 | 12 | 07 | | 990 | | WRG |
| SA | 1852 | 80 SCT | 20 | | | 085 | 86 | 53 | 17 | 05 | | 991 | 500 1200 | WRG |
| SA | 1952 | 80 SCT | 20 | | | 089 | 81 | 53 | 12 | 07 | | 992 | | WRG |
| SA | 2052 | 80 SCT | 20 | | | 092 | 81 | 48 | 36 | 05 | | 993 | | WRG |
| SA | 2152 | CLR | 20 | | | 091 | 82 | 46 | 06 | 03 | | 993 | 10371200 94 | WRG |
| SA | 2252 | CLR | 20 | | | 092 | 82 | 45 | 11 | 06 | | 994 | | WRG |
| SA | 2352 | CLR | 20 | | | 097 | 77 | 51 | 09 | 04 | | 995 | | 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$_2$ 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, NV

DATE: 1984 AUG 1

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 52 | 26565 | 70.3 | 64.8 | 75 | 1 | 1 | Sc | 80 | | | | | | | | | | | | 1 | 0 | .000 | | | 00-01 |
| 01 52 | 26.565 | 69.8 | 63.9 | 74 | 1 | | | | | | | | | | | | | | | 1 | | | | | 01-02 |
| 02 52 | 26.560 | 69.4 | 62.9 | 71 | 1 | | | | | | | | | | | | | | | 1 | | | | | 02-03 |
| 03 51 | 26.560 | 70.0 | 62.9 | 69 | 0 | 0 | Ac | 110 | | | | | | | | | | | | 0 | 7 | .005 | | | 03-04 |
| 04 52 | 26.570 | 68.2 | 62.1 | 72 | 0 | | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 05 51 | 26.580 | 72.0 | 61.2 | 55 | 1 | | | | | | | | | | | | | | | 1 | | | | | 05-06 |
| 06 55 | 26.585 | 75.2 | 63.9 | 55 | 1 | 0 | Ac | 110 | 1 | Ac | 190 | 1 | | | | | | | | 1 | 1 | .025 | | | 06-07 |
| 07 55 | 26.590 | 80.1 | 63.8 | 42 | 3 | | | | | | | | | | | | | | | 2 | | | | | 07-08 |
| 08 51 | 26.590 | 82.3 | 65.3 | 41 | 2 | | | | | | | | | | | | | | | 1 | | | | | 08-09 |
| 09 55 | 26.590 | 86.5 | 66.0 | 35 | 2 | 0 | Cu | 100 | 2 | Ac | 110 | 2 | 0 | Ac | 190 | 2 | | | | 2 | 0 | .005 | | | 09-10 |
| 10 52 | 26.580 | 88.6 | 66.4 | 32 | 3 | | | | | | | | | | | | | | | 3 | | | | | 10-11 |
| 11 51 | 26.570 | 88.7 | 65.1 | 28 | 3 | | | | | | | | | | | | | | | 3 | | | | | 11-12 |
| 12 54 | 26.550 | 90.2 | 65.0 | 26 | 7 | 2 | Cb | 90 | 0 | Ac | 120 | 2 | 5 | Ci | E220 | 7 | | | | 4 | 8 | .040 | | | 12-13 |
| 13 53 | 26.535 | 92.8 | 66.5 | 25 | 3 | | | | | | | | | | | | | | | 3 | | | | | 13-14 |
| 14 51 | 26.520 | 90.5 | 66.2 | 28 | 6 | | | | | | | | | | | | | | | 5 | | | | | 14-15 |
| 15 52 | 26.510 | 93.7 | 65.3 | 22 | 6 | 6 | CB | E60 | 0 | Ac | 120 | 6 | | | | | | | | 6 | 7 | .040 | | | 15-16 |
| 16 52 | 26.500 | 90.0 | 64.8 | 26 | 5 | | | | | | | | | | | | | | | 5 | | | | | 16-17 |
| 17 52 | 26.500 | 90.6 | 65.0 | 25 | 4 | | | | | | | | | | | | | | | 4 | | | | | 17-18 |
| 18 52 | 26.510 | 86.4 | 64.9 | 32 | 3 | 3 | Cu | 80 | | | | | | | | | | | | 3 | 5 | .000 | | | 18-19 |
| 19 52 | 26.520 | 81.2 | 63.4 | 38 | 3 | | | | | | | | | | | | | | | 3 | | | | | 19-20 |
| 20 52 | 26.532 | 80.8 | 60.8 | 32 | 2 | | | | | | | | | | | | | | | 2 | | | | | 20-21 |
| 21 52 | 26.530 | 81.6 | 60.1 | 28 | 0 | 0 | Cu | 80 | | | | | | | | | | | | 0 | 1 | .020 | | | 21-22 |
| 22 52 | 26.540 | 81.8 | 59.9 | 27 | 0 | | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 23 52 | 26.550 | 76.6 | 60.8 | 41 | 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 | | 72 | 68 | | | | | | | | | | |
| | 0347 | 1 | 0 | 0 | 0 | 74 | 68 | | 1 | | | | | | | | |
| | 0951 | 2 | 0 | 0 | 0 | 87 | 67 | | 0 | | | | | | | | |
| | 1548 | 3 | 0 | 0 | 0 | 94 | 87 | | 0 | | | | | | | | |
| | 2148 | 4 | 0 | 0 | 0 | 94 | 80 | | 0 | | | | | | | | |
| | MID. | | 0 | 0 | 0 | 82 | 76 | | | | | | | | | | |

## STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0350 | 0954 | 1550 | 2150 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26560 | 26580 | 26510 | 26530 |
| BAROGRAPH 64 | 26540 | 26570 | 26500 | 26505 |
| BAR. CORR. 65 | +.020 | +.020 | +0.10 | +.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 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 94 | 67 | 0 | 0 | 0 | 15 | E | 1204 | | | | | 3 | 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: 0715P @1 Sec./ 2257 @2 Sec./ ± Sec.

0351P 20004 0711P 0351P/APP 602/0900P-3RD

2152P/APP 107/0903P-3RD

MF1-10B (1-82) SUPERSEDES MF1-10B (2-79) WHICH MAY BE USED. U.S. G.P.O. 1982-564-008/1124

MF1-10B
(1-82)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: 1984 AUG 2

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 52 | 26.560 | 73.0 | 59.9 | 48 | 0 | 0 | C.B | 80 | | | | | | | | | | | | 0 | 2 | .030 | | | 00-01 |
| 01 52 | 26.560 | 73.2 | 60.0 | 47 | 0 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 52 | 26.570 | 73.2 | 59.7 | 46 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 51 | 26.580 | 69.0 | 59.8 | 60 | 0 | | | | | | | | | | | | | | | 0 | 2 | .020 | | | 03-04 |
| 04 53 | 26.600 | 67.9 | 59.1 | 61 | 0 | | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 05 55 | 26.615 | 75.4 | 60.6 | 43 | 0 | | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 06 52 | 26.630 | 77.6 | 61.4 | 41 | 0 | | | | | | | | | | | | | | | 0 | 2 | .050 | | | 06-07 |
| 07 52 | 26.635 | 81.2 | 62.9 | 37 | 0 | | | | | | | | | | | | | | | 0 | | | | | 07-08 |
| 08 54 | 26.635 | 83.7 | 62.1 | 30 | 0 | | | | | | | | | | | | | | | 0 | | | | | 08-09 |
| 09 53 | 26.635 | 88.2 | 63.4 | 25 | 0 | 0 | Cu | 90 | | | | | | | | | | | | 0 | 1 | .005 | | | 09-10 |
| 10 52 | 26.630 | 89.7 | 63.6 | 23 | 1 | | | | | | | | | | | | | | | 1 | | | | | 10-11 |
| 11 53 | 26.625 | 90.7 | 64.2 | 23 | 1 | | | | | | | | | | | | | | | 1 | | | | | 11-12 |
| 12 54 | 26.610 | 91.2 | 62.3 | 19 | 1 | 1 | Cu | 90 | | | | | | | | | | | | 1 | 8 | .025 | | | 12-13 |
| 13 53 | 26.600 | 94.6 | 64.2 | 18 | 1 | | | | | | | | | | | | | | | 1 | | | | | 13-14 |
| 14 52 | 26.580 | 94.7 | 63.2 | 16 | 1 | | | | | | | | | | | | | | | 1 | | | | | 14-15 |
| 15 51 | 26.580 | 94.3 | 62.3 | 15 | 1 | 1 | cu | 90 | | | | | | | | | | | | 1 | 6 | .030 | | | 15-16 |
| 16 53 | 26.575 | 93.0 | 63.0 | 18 | 1 | | | | | | | | | | | | | | | 1 | | | | | 16-17 |
| 17 51 | 26.565 | 91.4 | 62.3 | 18 | 0 | | | | | | | | | | | | | | | 0 | | | | | 17-18 |
| 18 55 | 26.585 | 88.1 | 60.3 | 19 | 0 | | | | | | | | | | | | | | | 0 | 3 | .005 | | | 18-19 |
| 19 54 | 26.600 | 85.4 | 59.0 | 19 | 0 | | | | | | | | | | | | | | | 0 | | | | | 19-20 |
| 20 51 | 26.620 | 82.8 | 58.8 | 23 | 0 | | | | | | | | | | | | | | | 0 | | | | | 20-21 |
| 21 49 | 26.620 | 81.5 | 58.1 | 23 | 0 | | | | | | | | | | | | | | | 0 | 1 | .035 | | | 21-22 |
| 22 54 | 26.620 | 75.4 | 58.6 | 37 | 0 | | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 23 53 | 26.630 | 74.4 | 58.6 | 40 | 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 0348 | X | 0 | 0 | X | 77 | 68 | X | X | | | | | | X | | |
| | 0348 | 1 | 0 | 0 | 0 | 82 | 68 | | 0 | | | | | | | | |
| | 0951 | 2 | 0 | 0 | 0 | 88 | 67 | | 0 | | | | | | | | |
| | 1547 | 3 | 0 | 0 | 0 | 97 | 88 | | 0 | | | | | | | | |
| | 2147 | 4 | 0 | 0 | 0 | 95 | 80 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 82 | 72 | X | X | | | | | | X | | |

## STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0350 | 0952 | 1540 | 2148 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.580 | 26.635 | 26.580 | 26.620 |
| BAROGRAPH 64 | 26.555 | 26.610 | 26.580 | 26.620 |
| BAR. CORR. 65 | +.025 | +.025* | ±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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 97 | 67 | 0 | 0 | 0 | 23 | S | 1533 | | | | | 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: 0505P @2 Sec./ 1901P @2 Sec./ ± Sec.

1551/1551

*0558P Barograph Changed 0 Corr.

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, NV

DATE: 1984 AUG 2

TO CONVERT LST TO GMT: ADD 6 hrs. SUBTRACT ____ hrs.

| TYPE (1) | TIME (LST) (2) | SKY AND CEILING (Hundreds of Feet) (3) | VISIBILITY (Miles) SURFACE (4) | VISIBILITY (Miles) TOWER (4) | 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) | CD. INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0052 | CLR | 20 | | | 102 | 73 | 52 | 07 | 10 | | 996 | CB DSNT N OCNL LTGIC | WRG |
| | | | | | | | | | | | | | 210 1300 | WRG |
| SA | 0152 | CLR | 20 | | | 101 | 73 | 52 | 07 | 03 | | 996 | CB DSNT N OCNL LTGIC | WRG |
| SA | 0252 | CLR | 20 | | | 107 | 73 | 51 | 07 | 05 | | 997 | CB Mod N | WRG |
| SA | 0351 | CLR | 20 | | | 110 | 69 | 54 | 08 | 02 | | 998 | 207 68 RADAT 75137 | JD |
| SA | 0453 | CLR | 20 | | | 121 | 68 | 54 | 02 | 03 | | 001 | FEW AC | JD |
| SA | 0555 | CLR | 20 | | | 123 | 75 | 52 | 34 | 03 | | 003 | FEW AC | JD |
| SA | 0652 | CLR | 20 | | | 130 | 78 | 52 | 04 | 10 | | 004 | 217 | JD |
| SA | 0752 | CLR | 20 | | | 133 | 81 | 52 | 03 | 08 | | 005 | | JD |
| SA | 0854 | CLR | 20 | | | 131 | 84 | 49 | 08 | 03 | | 005 | | JD |
| SA | 0953 | CLR | 20 | | | 128 | 88 | 48 | 09 | 06 | | 005 | 102 1100 67 | JD |
| SA | 1052 | 90 SCT | 20 | | | 126 | 90 | 48 | 30 | 03 | | 004 | | JD |
| SA | 1153 | 90 SCT | 20 | | | 126 | 91 | 48 | 12 | 04 | | 004 | | JD |
| SA | 1254 | 90 SCT | 20 | | | 122 | 91 | 43 | 11 | 04 | | 002 | 808 1100 | JD |
| SA | 1353 | 90 SCT | 20 | | | 116 | 95 | 45 | 17 | 08 G17 | | 001 | | JD |
| SA | 1452 | 100 SCT | 20 | | | 109 | 95 | 42 | 22 | 17 | | 998 | | JD |
| SA | ~~1545~~ 1551 | 90 SCT | 20 | | | 111 | 94 | 40 | 22 | 12 | | 998 | 610 1100 97 RADAT 20149 | 008 |
| SA | 1653 | 90 SCT | 20 | | | 110 | 93 | 43 | 21 | 10 | | 998 | | 008 |
| SA | 1751 | CLR | 20 | | | 104 | 91 | 43 | 19 | 09 | | 997 | FEW CU E | 008 |
| SA | 1855 | CLR | 20 | | | 112 | 88 | 40 | 19 | 09 | | 999 | 302 | 008 |
| SA | 1954 | CLR | 20 | | | 117 | 85 | 39 | 20 | 09 | | 001 | | 008 |
| SA | 2051 | CLR | 20 | | | 124 | 83 | 41 | 10 | 02 | | 003 | | 008 |
| SA | 2149 | CLR | 20 | | | 122 | 82 | 40 | 07 | 04 | | 003 | 112 97 | 008 |
| SA | 2254 | CLR | 20 | | | 125 | 75 | 47 | 05 | 01 | | 003 | | 008 |
| SA | 2353 | CLR | 20 | | | 129 | 74 | 48 | 10 | 02 | | 004 | | 008 |

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 1984 AUG 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 | 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 57 | 26.630 | 72.3 | 57.2 | 40 | 0 | | | | | | | | | | | | | | | 0 | 2 | .010 | | | 00-01 |
| 01 56 | 26.630 | 74.1 | 56.6 | 34 | 0 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 49 | 26.640 | 70.8 | 57.3 | 44 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 53 | 26.640 | 70.6 | 56.4 | 42 | 0 | | | | | | | | | | | | | | | 0 | 3 | .010 | | | 03-04 |
| 04 51 | 26.650 | 67.7 | 57.2 | 54 | 0 | | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 05 57 | 26.660 | 71.7 | 58.8 | 47 | 0 | | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 06 55 | 26.660 | 76.5 | 60.8 | 41 | 0 | | | | | | | | | | | | | | | 0 | 1 | .020 | | | 06-07 |
| 07 53 | 26.660 | 82.2 | 60.4 | 28 | 0 | | | | | | | | | | | | | | | 0 | | | | | 07-08 |
| 08 51 | 26.655 | 86.6 | 61.4 | 23 | 0 | | | | | | | | | | | | | | | 0 | | | | | 08-09 |
| 09 54 | 26.650 | 87.7 | 62.7 | 24 | 0 | 0 | Cu | 90 | | | | | | | | | | | | 0 | 8 | .010 | | | 09-10 |
| 10 51 | 26.640 | 89.5 | 62.4 | 21 | 0 | | | | | | | | | | | | | | | 0 | | | | | 10-11 |
| 11 53 | 26.615 | 94.0 | 63.6 | 18 | 1 | | | | | | | | | | | | | | | 1 | | | | | 11-12 |
| 12 55 | 26.610 | 93.8 | 63.6 | 18 | 1 | 1 | Cu | 90 | | | | | | | | | | | | 1 | 8 | .040 | | | 12-13 |
| 13 52 | 26.585 | 94.8 | 62.6 | 15 | 1 | | | | | | | | | | | | | | | 1 | | | | | 13-14 |
| 14 55 | 26.570 | 96.2 | 62.7 | 14 | 1 | | | | | | | | | | | | | | | 1 | | | | | 14-15 |
| 15 55 | 26.560 | 95.0 | 62.4 | 15 | 1 | 1 | Cu | 90 | | | | | | | | | | | | 1 | 6 | .050 | | | 15-16 |
| 16 56 | 26.550 | 93.9 | 62.2 | 15 | 1 | | | | | | | | | | | | | | | 1 | | | | | 16-17 |
| 17 55 | 26.540 | 88.2 | 62.2 | 23 | 1 | | | | | | | | | | | | | | | 1 | | | | | 17-18 |
| 18 56 | 26.540 | 87.6 | 60.0 | 19 | 0 | 0 | Cu | 90 | | | | | | | | | | | | 0 | 6 | .020 | | | 18-19 |
| 19 57 | 26.550 | 83.4 | 59.2 | 23 | 0 | | | | | | | | | | | | | | | 0 | | | | | 19-20 |
| 20 55 | 26.560 | 81.0 | 59.0 | 26 | 0 | | | | | | | | | | | | | | | 0 | | | | | 20-21 |
| 21 54 | 26.560 | 78.3 | 59.1 | 32 | 0 | | | | | | | | | | | | | | | 0 | 1 | .020 | | | 21-22 |
| 22 57 | 26.560 | 75.8 | 58.6 | 36 | 0 | | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 23 55 | 26.560 | 76.3 | 58.7 | 35 | 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 0348 | | 0 | 0 | | 74 | 68 | | | | | | | | | | |
| | 0348 | 1 | 0 | 0 | 0 | 82 | 68 | | 0 | | | | | | | | |
| | 0950 | 2 | 0 | 0 | 0 | 88 | 67 | | 0 | | | | | | | | |
| | 1550 | 3 | 0 | 0 | 0 | 97 | 87 | | 0 | | | | | | | | |
| | 2150 | 4 | 0 | 0 | 0 | 96 | 77 | | 0 | | | | | | | | |
| | MID. | | 0 | 0 | 0 | 78 | 74 | | | | | | | | | | |

## STATION PRESSURE COMPUTATIONS

| TIME (L.S.T.) 59 | 0352 | 0953 | 1554 | 2153 |
|---|---|---|---|---|
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.640 | 26.650 | 26.560 | 26.560 |
| BAROGRAPH 64 | 26.635 | 26.660 | 26.560 | 26.560 |
| BAR. CORR. 65 | +.005 | -.010 | ±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 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 97 | 67 | 0 | 0 | 0 | 25 | SW | 1414 | | | | | 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: 0407P ±2 Sec./ 2239P ±2 Sec./ ± Sec.

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, NV

DATE: 1984 AUG 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 (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 Deg.) (9) | WIND SPEED (Kts.) (10) | WIND CHARACTER (11) | ALTIMETER SETTING (Ins.) (12) | REMARKS AND SUPPLEMENTAL CODED DATA (13) | OB. SEQUENCE NUMBER (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0057 | CLR | 20 | | | 130 | 72 | 47 | 27 | 05 | | 004 | 203 | 008 |
| SA | 0156 | CLR | 20 | | | 128 | 74 | 44 | 04 | 07 | | 004 | | 008 |
| SA | 0249 | CLR | 20 | | | 133 | 71 | 48 | 31 | 02 | | 005 | | 008 |
| SA | 0353 | CLR | 20 | | | 133 | 71 | 46 | 31 | 02 | | 005 | 303 68 RADAT 20150 | JD |
| SA | 0451 | CLR | 20 | | | 139 | 68 | 50 | 34 | 04 | | 006 | | JD |
| SA | 0557 | CLR | 20 | | | 141 | 72 | 51 | 12 | 02 | | 007 | | JD |
| SA | 0655 | CLR | 20 | | | 140 | 77 | 51 | 28 | 03 | | 007 | 107 | JD |
| SA | 0753 | CLR | 20 | | | 140 | 82 | 46 | 24 | 02 | | 007 | | JD |
| SA | 0851 | CLR | 20 | | | 137 | 87 | 45 | 22 | 04 | | 007 | | JD |
| SA | 0954 | CLR | 20 | | | 135 | 88 | 47 | 31 | 03 | | 006 | 803 1100 67 | JD |
| SA | 1051 | CLR | 20 | | | 133 | 90 | 45 | 04 | 04 | | 005 | | JD |
| SA | 1153 | 90 SCT | 20 | | | 122 | 94 | 44 | 20 | 10 | G20 | 003 | | JD |
| SA | 1255 | 90 SCT | 20 | | | 121 | 94 | 44 | 22 | 10 | G24 | 002 | 814 1100 | JD |
| SA | 1352 | 90 SCT | 20 | | | 110 | 95 | 40 | 23 | 17 | | 999 | | JD |
| SA | 1455 | 90 SCT | 20 | | | 105 | 96 | 39 | 22 | 17 | | 997 | | JD |
| SA | 1555 | 90 SCT | 20 | | | 102 | 95 | 39 | 22 | 11 | G19 | 996 | 617 1100 97 RADAT 20147 | 008 |
| SA | 1656 | 90 SCT | 20 | | | 100 | 94 | 40 | 20 | 10 | | 995 | | 008 |
| SA | 1755 | 90 SCT | 20 | | | 098 | 88 | 45 | 22 | 10 | | 994 | | 008 |
| SA | 1856 | CLR | 20 | | | 095 | 88 | 40 | 24 | 08 | | 994 | 607 1100 | 008 |
| SA | 1957 | CLR | 20 | | | 098 | 83 | 42 | 05 | 05 | | 995 | | 008 |
| SA | 2055 | CLR | 20 | | | 101 | 81 | 43 | 16 | 02 | | 996 | | 008 |
| SA | 2154 | CLR | 20 | | | 102 | 78 | 46 | 33 | 02 | | 996 | 107 97 | 008 |
| SA | 2257 | CLR | 20 | | | 102 | 76 | 47 | 05 | 04 | | 996 | | 008 |
| SA | 2355 | CLR | 20 | | | 100 | 76 | 47 | 10 | 04 | | 996 | | 008 |

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 $1s_nTTT$ $2s_nT_dT_dT_d$ $3P_0P_0P_0P_0$ 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: 1984 AUG 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 55 | 26.560 | 72.3 | 57.8 | 42 | 0 | | | | | | | | | | | | | | | 0 | 4 | .000 | | | 00-01 |
| 01 56 | 26.550 | 73.7 | 57.4 | 37 | 0 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 51 | 26.550 | 70.6 | 57.9 | 47 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 55 | 26.550 | 70.3 | 56.2 | 42 | 0 | | | | | | | | | | | | | | | 0 | 8 | .010 | | | 03-04 |
| 04 53 | 26.555 | 68.1 | 56.5 | 50 | 0 | | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 05 53 | 26.560 | 72.7 | 58.8 | 44 | 0 | | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 06 52 | 26.570 | 76.5 | 58.7 | 35 | 0 | | | | | | | | | | | | | | | 0 | 3 | .020 | | | 06-07 |
| 07 52 | 26.565 | 83.1 | 61.9 | 30 | 0 | | | | | | | | | | | | | | | 0 | | | | | 07-08 |
| 08 53 | 26.565 | 86.4 | 61.6 | 25 | 0 | | | | | | | | | | | | | | | 0 | | | | | 08-09 |
| 09 54 | 26.560 | 90.7 | 63.3 | 21 | 0 | 0 | Cu | 90 | | | | | | | | | | | | 0 | 8 | .010 | | | 09-10 |
| 10 51 | 26.545 | 93.7 | 62.5 | 16 | 1 | | | | | | | | | | | | | | | 1 | | | | | 10-11 |
| 11 52 | 26.530 | 95.6 | 62.3 | 14 | 1 | | | | | | | | | | | | | | | 1 | | | | | 11-12 |
| 12 52 | 26.510 | 95.5 | 62.8 | 15 | 1 | 1 | Cu | 90 | | | | | | | | | | | | 1 | 7 | .050 | | | 12-13 |
| 13 53 | 26.490 | 98.0 | 63.1 | 13 | 1 | | | | | | | | | | | | | | | 1 | | | | | 13-14 |
| 14 51 | 26.470 | 95.5 | 62.2 | 14 | 1 | | | | | | | | | | | | | | | 1 | | | | | 14-15 |
| 15 56 | 26.460 | 95.6 | 62.0 | 13 | 1 | 1 | Cu | 100 | | | | | | | | | | | | 1 | 7 | .050 | | | 15-16 |
| 16 50 | 26.440 | 95.1 | 61.5 | 13 | 1 | | | | | | | | | | | | | | | 1 | | | | | 16-17 |
| 17 55 | 26.440 | 93.1 | 61.0 | 14 | 0 | | | | | | | | | | | | | | | 0 | | | | | 17-18 |
| 18 54 | 26.440 | 89.3 | 60.3 | 17 | 0 | | | | | | | | | | | | | | | 0 | 6 | .020 | | | 18-19 |
| 19 55 | 26.460 | 84.3 | 60.4 | 24 | 0 | | | | | | | | | | | | | | | 0 | | | | | 19-20 |
| 20 56 | 26.460 | 82.2 | 59.5 | 26 | 0 | | | | | | | | | | | | | | | 0 | | | | | 20-21 |
| 21 51 | 26.460 | 82.4 | 59.4 | 25 | 0 | | | | | | | | | | | | | | | 0 | 1 | .020 | | | 21-22 |
| 22 52 | 26.460 | 80.6 | 58.7 | 26 | 0 | | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 23 50 | 26.470 | 80.1 | 58.6 | 27 | 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 0351 | X | 0 | 0 | X | 76 | 68 | X | X | | | | | | X | | |
| | 0351 | 1 | 0 | 0 | 0 | 78 | 68 | | 0 | | | | | | | | |
| | 0951 | 2 | 0 | 0 | 0 | 91 | 67 | | 0 | | | | | | | | |
| | 1557 | 3 | 0 | 0 | 0 | 99 | 91 | | 0 | | | | | | | | |
| | 2147 | 4 | 0 | 0 | 0 | 97 | 81 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 83 | 78 | X | X | | | | | | X | | |

## STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0353 | 0953 | 1555 | 2150 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.550 | 26.560 | 26.460 | 26.460 |
| BAROGRAPH 64 | 26.545 | 26.565 | 26.455 | 26.460 |
| BAR. CORR. 65 | +.005 | +.005 | +.005 | ±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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 99 | 67 | 0 | 0 | 0 | 26 | S | 1320 | | | | | 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: 0510P @ 2 Sec./ 2130P @ 2 Sec./ ± Sec.

2350/2350

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

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: 1984 AUG 4

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 | 0055 | CLR | 20 | | | 102 | 72 | 48 | 32 | 03 | | 996 | 400 | 008 |
| SA | 0156 | CLR | 20 | | | 097 | 74 | 46 | 34 | 04 | | 995 | | 008 |
| SA | 0251 | CLR | 20 | | | 098 | 71 | 50 | 11 | 02 | | 995 | | 008 |
| SA | 0355 | CLR | 20 | | | 098 | 70 | 46 | 09 | 03 | | 995 | 803 68 RADAT 23137 | JD |
| SA | 0453 | CLR | 20 | | | 102 | 68 | 49 | 04 | 03 | | 996 | | JD |
| SA | 0553 | CLR | 20 | | | 104 | 73 | 50 | 02 | 03 | | 996 | | JD |
| SA | 0652 | CLR | 20 | | | 107 | 77 | 47 | 24 | 02 | | 997 | 307 | JD |
| SA | 0752 | CLR | 20 | | | 104 | 83 | 49 | 00 | 00 | | 997 | | JD |
| SA | 0853 | CLR | 20 | | | 104 | 86 | 47 | 25 | 03 | | 997 | | JD |
| SA | 0954 | CLR | 20 | | | 100 | 91 | 46 | 20 | 03 | | 996 | 803 1100 67 | JD |
| SA | 1051 | 90 SCT | 20 | | | 094 | 94 | 41 | 15 | 13 | | 995 | | JD |
| SA | 1152 | 90 SCT | 20 | | | 088 | 96 | 38 | 21 | 14 | | 993 | | JD |
| SA | 1252 | 90 SCT | 20 | | | 083 | 96 | 40 | 18 | 09 | 621 | 991 | 717 1100 | JD |
| SA | 1353 | 90 SCT | 20 | | | 073 | 98 | 38 | 23 | 19 | | 988 | | JD |
| SA | 1451 | 90 SCT | 20 | | | 068 | 96 | 38 | 23 | 10 | 620 | 986 | | JD |
| SA | 1556 | 100 SCT | 20 | | | 064 | 96 | 37 | 18 | 10 | 617 | 985 | 717 1100 99 RADAT 71139 | 008 |
| SA | 1650 | 100 SCT | 20 | | | 058 | 95 | 36 | 22 | 10 | | 983 | | 008 |
| SA | 1755 | CLR | 20 | | | 058 | 93 | 37 | 17 | 11 | | 983 | | 008 |
| SA | 1854 | CLR | 20 | | | 057 | 89 | 39 | 15 | 08 | | 983 | 607 | 008 |
| SA | 1955 | CLR | 20 | | | 063 | 84 | 44 | 11 | 03 | | 985 | | 008 |
| SA | 2056 | CLR | 20 | | | 063 | 82 | 44 | 10 | 06 | | 985 | | 008 |
| SA | 2151 | CLR | 20 | | | 061 | 82 | 43 | 10 | 08 | | 985 | 107 99 | 008 |
| SA | 2252 | CLR | 20 | | | 060 | 81 | 43 | 11 | 06 | | 985 | | 008 |
| SA | 2350 | CLR | 20 | | | 063 | 80 | 40 | 10 | 05 | | 986 | | 008 |

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: 1984 AUG 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 | 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 55 | 26.480 | 79.7 | 59.1 | 29 | 0 | | | | | | | | | | | | | | | 0 | 3 | .020 | | | 00-01 |
| 01 54 | 26.470 | 79.5 | 58.0 | 27 | 0 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 48 | 26.480 | 76.2 | 57.3 | 31 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 55 | 26.480 | 72.0 | 57.2 | 41 | 0 | | | | | | | | | | | | | | | 0 | 5 | .000 | | | 03-04 |
| 04 50 | 26.500 | 69.7 | 57.1 | 48 | 0 | | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 05 52 | 26.510 | 74.0 | 58.8 | 41 | 0 | | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 06 50 | 26.520 | 82.0 | 60.3 | 28 | 0 | | | | | | | | | | | | | | | 0 | 2 | .040 | | | 06-07 |
| 07 50 | 26.530 | 85.6 | 59.6 | 20 | 0 | | | | | | | | | | | | | | | 0 | | | | | 07-08 |
| 08 53 | 26.540 | 89.6 | 59.8 | 16 | 0 | | | | | | | | | | | | | | | 0 | | | | | 08-09 |
| 09 52 | 26.540 | 93.0 | 63.1 | 18 | 0 | 0 | Cu | 100 | 0 | Ac | 150 | 0 | | | | | | | | 0 | 1 | .020 | | | 09-10 |
| 10 52 | 26.540 | 94.0 | 63.7 | 18 | 0 | | | | | | | | | | | | | | | 0 | | | | | 10-11 |
| 11 50 | 26.530 | 93.2 | 63.1 | 18 | 1 | | | | | | | | | | | | | | | 1 | | | | | 11-12 |
| 12 51 | 26.520 | 96.9 | 65.3 | 18 | 1 | 1 | Cu | 100 | | | | | | | | | | | | 1 | 8 | .020 | | | 12-13 |
| 13 51 | 26.500 | 95.7 | 65.2 | 19 | 2 | | | | | | | | | | | | | | | 2 | | | | | 13-14 |
| 14 50 | 26.490 | 95.9 | 64.8 | 18 | 1 | | | | | | | | | | | | | | | 1 | | | | | 14-15 |
| 15 52 | 26.470 | 96.7 | 64.7 | 17 | 1 | 1 | Cu | 100 | | | | | | | | | | | | 1 | 7 | .050 | | | 15-16 |
| 16 50 | 26.470 | 94.3 | 63.0 | 16 | 1 | | | | | | | | | | | | | | | 1 | | | | | 16-17 |
| 17 53 | 26.470 | 92.7 | 63.2 | 19 | 0 | | | | | | | | | | | | | | | 0 | | | | | 17-18 |
| 18 53 | 26.490 | 88.5 | 62.5 | 23 | 0 | 0 | Cu | 100 | | | | | | | | | | | | 0 | 3 | -.020 | | | 18-19 |
| 19 52 | 26.510 | 84.2 | 60.6 | 25 | 0 | | | | | | | | | | | | | | | 0 | | | | | 19-20 |
| 20 50 | 26.520 | 82.5 | 60.8 | 29 | 0 | | | | | | | | | | | | | | | 0 | | | | | 20-21 |
| 21 53 | 26.530 | 82.5 | 60.5 | 28 | 1 | 1 | Cu | 100 | | | | | | | | | | | | 1 | 1 | .040 | | | 21-22 |
| 22 52 | 26.550 | 82.0 | 61.0 | 30 | 1 | | | | | | | | | | | | | | | 1 | | | | | 22-23 |
| 23 50 | 26.550 | 78.9 | 59.5 | 32 | 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 0351 | | 0 | 0 | | 80 | 69 | | | | | | | | | | |
| | 0351 | 1 | 0 | 0 | 0 | 83 | 69 | | 0 | | | | | | | | |
| | 0948 | 2 | 0 | 0 | 0 | 93 | 68 | | 0 | | | | | | | | |
| | 1548 | 3 | 0 | 0 | 0 | 98 | 93 | | 0 | | | | | | | | |
| | 2148 | 4 | 0 | 0 | 0 | 97 | 82 | | 0 | | | | | | | | |
| | MID. | | 0 | 0 | 0 | 83 | 79 | | | | | | | | | | |

## STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0354 | 0951 | 1549 | 2149 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.480 | 26.540 | 26.470 | 26.530 |
| BAROGRAPH 64 | 26.480 | 26.540 | 26.480 | 26.520 |
| BAR. CORR. 65 | ±0 | ±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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 98 | 69 | 0 | 0 | 0 | 29 | 5 | 1228 | | | | | 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: 1000 @2 Sec./ 22.00 @2 Sec./ ± Sec.

*BAROGRAPH CHANGED

2153/2153

0355/0840 APP 500 8/13/84

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: 1984 AUG 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) | OBSERVERS INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0055 | CLR | 20 | | | 067 | 80 | 45 | 09 | 04 | | 987 | 307 | ca8 |
| SA | 0150 | CLR | 20 | | | 063 | 80 | 42 | 10 | 07 | | 986 | | ca8 |
| SA | 0248 | CLR | 20 | | | 069 | 76 | 44 | 36 | 02 | | 987 | | ca8 |
| SA | 0355 | CLR | 20 | | | 071 | 72 | 47 | 06 | 04 | | 988 | 503 69 RADAT 20150 | HS |
| SA | 0450 | CLR | 20 | | | 080 | 70 | 49 | 08 | 02 | | 990 | | HS |
| SA | 0552 | CLR | 20 | | | 082 | 74 | 49 | 08 | 04 | | 991 | | HS |
| SA | 0650 | CLR | 20 | | | 084 | 82 | 46 | 02 | 03 | | 992 | 214 | HS |
| SA | 0750 | CLR | 20 | | | 088 | 86 | 41 | 23 | 07 | | 993 | CU SE | HS |
| SA | 0853 | CLR | 20 | | | 092 | 89 | 38 | 23 | 12 | | 994 | CU NE-SE | HS |
| SA | 0952 | CLR | 20 | | | 089 | 93 | 43 | 19 | 14 | | 994 | CU SE ACNE 107 113068 | HS |
| SA | 1052 | CLR | 20 | | | 089 | 94 | 44 | 19 | 12 | G21 | 994 | CU NE-SE ACN | HS |
| SA | 1150 | 100 SCT | 20 | | | 087 | 93 | 43 | 18 | 13 | | 993 | TCU E | HS |
| SA | 1251 | 100 SCT | 20 | | | 081 | 97 | 46 | 19 | 13 | | 992 | TCU NE SE 8071200 | HS |
| SA | 1351 | 100 SCT | 20 | | | 075 | 96 | 47 | 19 | 10 | G21 | 990 | CB SE MOUG N | HS |
| SA | 1450 | 100 SCT | 20 | | | 073 | 96 | 45 | 19 | 13 | | 989 | CB SE DSIPTD TCU NE | HS |
| SA | 1552 | 100 SCT | 20 | | | 066 | 97 | 44 | 20 | 17 | | 986 | TCU E-S/717 1200 98 | EP |
| | | | | | | | | | | | | | RADAT 22157 | |
| SA | 1650 | 100 SCT | 20 | | | 069 | 94 | 42 | 21 | 13 | | 986 | TCU NE-SE | EP |
| SA | 1753 | CLR | 20 | | | 067 | 93 | 44 | 22 | 11 | | 986 | TCU NE-SE | EP |
| SA | 1853 | CLR | 20 | | | 073 | 89 | 46 | 19 | 09 | | 988 | TCU E/307 1200 | EP |
| SA | 1952 | CLR | 20 | | | 081 | 84 | 45 | 15 | 08 | | 991 | | EP |
| SA | 2050 | CLR | 20 | | | 084 | 83 | 47 | 12 | 08 | | 992 | | EP |
| SA | 2153 | ~~CLR~~ 100 SCT | 20 | | | 086 | 83 | 46 | 12 | 08 | | 993 | 114 1100 98 | EP |
| SA | 2252 | 100 SCT | 20 | | | 093 | 82 | 47 | 09 | 03 | | 995 | | EP |
| SA | 2350 | CLR | 20 | | | 096 | 79 | 46 | 18 | 05 | | 995 | | 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 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, NV

DATE: 06 AUG 1984

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 55 | 26.560 | 81.1 | 59.0 | 21 | 0 | | | | | | | | | | | | | | | 0 | 3 | .030 | | | 00-01 |
| 01 51 | 26.560 | 81.7 | 56.4 | 19 | 0 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 53 | 26.570 | 74.7 | 55.5 | 29 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 53 | 26.570 | 73.0 | 55.4 | 32 | 0 | | | | | | | | | | | | | | | 0 | 1 | .010 | | | 03-04 |
| 04 50 | 26.590 | 72.0 | 55.0 | 34 | 0 | | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 05 50 | 26.600 | 73.8 | 57.2 | 36 | 0 | | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 06 52 | 26.610 | 79.2 | 61.0 | 36 | 0 | | | | | | | | | | | | | | | 0 | 2 | .040 | | | 06-07 |
| 07 51 | 26.620 | 83.6 | 58.8 | 22 | 0 | | | | | | | | | | | | | | | 0 | | | | | 07-08 |
| 08 50 | 26.620 | 87.7 | 61.3 | 22 | 0 | | | | | | | | | | | | | | | 0 | | | | | 08-09 |
| 09 51 | 26.615 | 89.1 | 60.1 | 17 | 0 | | | | | | | | | | | | | | | 0 | 0 | .005 | | | 09-10 |
| 10 57 | 26.600 | 91.1 | 61.0 | 16 | 0 | | | | | | | | | | | | | | | 0 | | | | | 10-11 |
| 11 50 | 26.600 | 93.3 | 62.1 | 16 | 0 | | | | | | | | | | | | | | | 0 | | | | | 11-12 |
| 12 54 | 26.585 | 95.0 | 62.6 | 15 | 0 | 0 | CU | 100 | | | | | | | | | | | | 0 | 7 | .030 | | | 12-13 |
| 13 51 | 26.575 | 95.6 | 62.4 | 14 | 0 | | | | | | | | | | | | | | | 0 | | | | | 13-14 |
| 14 54 | 26.560 | 95.2 | 62.4 | 14 | 0 | | | | | | | | | | | | | | | 0 | | | | | 14-15 |
| 15 50 | 26.560 | 96.3 | 62.6 | 14 | 0 | 0 | CU | 100 | | | | | | | | | | | | 0 | 6 | .025 | | | 15-16 |
| 16 50 | 26.550 | 94.6 | 62.0 | 14 | 0 | | | | | | | | | | | | | | | 0 | | | | | 16-17 |
| 17 52 | 26.550 | 93.2 | 60.5 | 13 | 0 | | | | | | | | | | | | | | | 0 | | | | | 17-18 |
| 18 50 | 26.550 | 87.9 | 59.3 | 17 | 0 | | | | | | | | | | | | | | | 0 | 6 | .010 | | | 18-19 |
| 19 50 | 26.570 | 82.9 | 58.8 | 23 | 0 | | | | | | | | | | | | | | | 0 | | | | | 19-20 |
| 20 51 | 26.590 | 82.0 | 57.6 | 21 | 0 | | | | | | | | | | | | | | | 0 | | | | | 20-21 |
| 21 51 | 26.610 | 76.8 | 56.8 | 29 | 0 | | | | | | | | | | | | | | | 0 | 2 | .060 | | | 21-22 |
| 22 50 | 26.620 | 76.5 | 57.3 | 31 | 0 | | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 23 51 | 26.630 | 72.8 | 55.5 | 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 0349 | | 0 | 0 | | ~~86~~ | 72 | | | | | | | | | | |
| | 0349 | 1 | 0 | 0 | 0 | 83 | 72 | | 0 | | | | | | | | |
| | 0947 | 2 | 0 | 0 | 0 | 92 | 69 | | 0 | | | | | | | | |
| | 1546 | 3 | 0 | 0 | 0 | 97 | 89 | | 0 | | | | | | | | |
| | 2147 | 4 | 0 | 0 | 0 | 96 | 77 | | 0 | | | | | | | | |
| | MID. | | 0 | 0 | 0 | 77 | 73 | | | | | | | | | | |

### STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0352 | 0950 | 1547 | 2148 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.570 | 26.615 | 26.560 | 26.610 |
| BAROGRAPH 64 | 26.565 | 26.620 | 26.560 | 26.610 |
| BAR. CORR. 65 | +.005 | -.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 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 97 | 69 | 0 | 0 | 0 | 22 | SW | 1133 | | | | | 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: 0900 @2 Sec./ 1100 @2 Sec./ ± Sec.

0349/0850 MAX TEMP 82 8/14/84

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: 06 AUG 1984

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 (100-36) (9) | WIND SPEED (Kts.) (10) | WIND CHARACTER (11) | ALTIMETER SETTING (Ins.) (12) | REMARKS AND SUPPLEMENTAL CODED DATA (13) | OBS. INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0055 | CLR | 20 | | | 096 | 81 | 38 | 06 | 07 | | 996 | 310 | EP |
| SA | 0151 | CLR | 20 | | | 096 | 82 | 35 | 19 | 03 | | 996 | | EP |
| SA | 0253 | CLR | 20 | | | 103 | 75 | 40 | 06 | 07 | | 997 | | EP |
| SA | 0353 | CLR | 20 | | | 104 | 73 | 42 | 06 | 06 | | 998 | 103 72 RADAT 20151 | HS |
| SA | 0450 | CLR | 20 | | | 114 | 72 | 42 | 05 | 06 | | 000 | | HS |
| SA | 0550 | CLR | 20 | | | 116 | 74 | 45 | 07 | 05 | | 001 | | HS |
| SA | 0652 | CLR | 20 | | | 120 | 79 | 50 | 14 | 03 | | 002 | 214 | HS |
| SA | 0751 | CLR | 20 | | | 125 | 84 | 40 | 31 | 04 | | 003 | | HS |
| SA | 0850 | CLR | 20 | | | 122 | 88 | 44 | 22 | 06 | | 003 | | HS |
| SA | 0951 | CLR | 20 | | | 121 | 89 | 38 | 23 | 16 | | 003 | 002 69 | HS |
| SA | 1057 | CLR | 20 | | | 114 | 91 | 39 | 22 | 16 | | 001 | | HS |
| SA | 1150 | CLR | 20 | | | 115 | 93 | 40 | 22 | 14 | | 001 | CW SE | HS |
| SA | 1254 | CLR | 20 | | | 107 | 95 | 40 | 24 | 15 | | 999 | 710 1100 | HS |
| SA | 1351 | CLR | 20 | | | 102 | 96 | 39 | 22 | 14 | | 998 | FEW CU | HS |
| SA | 1454 | CLR | 20 | | | 100 | 95 | 39 | 24 | 15 | | 997 | FEW CU | HS |
| SA | 1550 | CLR | 20 | | | 100 | 96 | 38 | 24 | 10 | | 997 | 608 1100 97 RADAT 20157 | EP |
| SA | 1650 | CLR | 20 | | | 098 | 95 | 38 | 24 | 11 | | 995 | | EP |
| SA | 1752 | CLR | 20 | | | 098 | 93 | 35 | 26 | 09 | | 995 | | EP |
| SA | 1850 | CLR | 20 | | | 098 | 88 | 37 | 29 | 05 | | 995 | 603 | EP |
| SA | 1950 | CLR | 20 | | | 105 | 83 | 41 | 05 | 06 | | 997 | | EP |
| SA | 2051 | CLR | 20 | | | 111 | 82 | 38 | 06 | 04 | | 999 | | EP |
| SA | 2151 | CLR | 20 | | | 121 | 77 | 42 | 04 | 04 | | 002 | 220 97 | EP |
| SA | 2250 | CLR | 20 | | | 124 | 77 | 43 | 03 | 03 | | 003 | | EP |
| SA | 2351 | CLR | 20 | | | 128 | 73 | 42 | 01 | 04 | | 004 | | 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, NV

DATE: 07 AUG 1984

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 | 26.630 | 71.0 | 55.4 | 37 | 0 | | | | | | | | | | | | | | | 0 | 1 | .020 | | | 00-01 |
| 01 51 | 26.630 | 69.5 | 55.5 | 42 | 0 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 50 | 26.630 | 70.8 | 55.6 | 39 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 55 | 26.635 | 69.6 | 55.1 | 40 | 0 | | | | | | | | | | | | | | | 0 | 3 | .005 | | | 03-04 |
| 04 51 | 26.645 | 69.3 | 54.7 | 39 | 0 | | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 05 51 | 26.660 | 74.0 | 57.4 | 37 | 0 | | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 06 50 | 26.670 | 76.6 | 59.2 | 36 | 0 | | | | | | | | | | | | | | | 0 | 2 | .035 | | | 06-07 |
| 07 50 | 26.680 | 83.0 | 59.3 | 24 | 0 | | | | | | | | | | | | | | | 0 | | | | | 07-08 |
| 08 52 | 26.680 | 89.9 | 61.1 | 18 | 0 | | | | | | | | | | | | | | | 0 | | | | | 08-09 |
| 09 50 | 26.670 | 93.0 | 61.5 | 15 | 0 | | | | | | | | | | | | | | | 0 | 0 | .000 | | | 09-10 |
| 10 52 | 26.660 | 95.6 | 62.0 | 13 | 0 | | | | | | | | | | | | | | | 0 | | | | | 10-11 |
| 11 51 | 26.650 | 97.1 | 62.4 | 12 | 0 | | | | | | | | | | | | | | | 0 | | | | | 11-12 |
| 12 50 | 26.630 | 98.6 | 63.3 | 13 | 0 | 0 | Cu | 100 | | | | | | | | | | | | 0 | 8 | .040 | | | 12-13 |
| 13 51 | 26.615 | 98.6 | 63.0 | 12 | 0 | | | | | | | | | | | | | | | 0 | | | | | 13-14 |
| 14 50 | 26.600 | 99.0 | 62.9 | 11 | 0 | | | | | | | | | | | | | | | 0 | | | | | 14-15 |
| 15 53 | 26.585 | 98.0 | 61.4 | 10 | 0 | 0 | Cu | 100 | | | | | | | | | | | | 0 | 7 | .045 | | | 15-16 |
| 16 50 | 26.570 | 97.2 | 61.2 | 10 | 0 | | | | | | | | | | | | | | | 0 | | | | | 16-17 |
| 17 50 | 26.570 | 96.6 | 61.8 | 12 | 0 | | | | | | | | | | | | | | | 0 | | | | | 17-18 |
| 18 50 | 26.570 | 91.1 | 61.7 | 17 | 0 | 0 | Cu | 100 | | | | | | | | | | | | 0 | 6 | .015 | | | 18-19 |
| 19 51 | 26.590 | 83.9 | 60.2 | 25 | 0 | | | | | | | | | | | | | | | 0 | | | | | 19-20 |
| 20 52 | 26.600 | 79.7 | 58.0 | 26 | 0 | | | | | | | | | | | | | | | 0 | | | | | 20-21 |
| 21 51 | 26.600 | 77.4 | 56.7 | 27 | 0 | | | | | | | | | | | | | | | 0 | 1 | .030 | | | 21-22 |
| 22 53 | 26.600 | 76.2 | 56.6 | 29 | 0 | | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 23 51 | 26.600 | 75.5 | 61.0 | 44 | 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 0351 | | 0 | 0 | | 73 | 67 | | | | | | | | | | |
| | 0351 | 1 | 0 | 0 | 0 | 77 | 67 | | 0 | | | | | | | | |
| | 0947 | 2 | 0 | 0 | 0 | 95 | 66 | | 0 | | | | | | | | |
| | 1548 | 3 | 0 | 0 | 0 | 101 | 93 | | 0 | | | | | | | | |
| | 2148 | 4 | 0 | 0 | 0 | 98 | 77 | | 0 | | | | | | | | |
| | MID. | | 0 | 0 | 0 | 77 | 76 | | | | | | | | | | |

## STATION PRESSURE COMPUTATIONS

| TIME (L.S.T.) 59 | 0354 | 0950 | 1549 | 2149 |
|---|---|---|---|---|
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.635 | 26.670 | 26.585 | 26.600 |
| BAROGRAPH 64 | 26.635 | 26.675 | 26.585 | 26.600 |
| 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 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 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 101 | 66 | 0 | 0 | 0 | 14 | W | 1155 | | | | | 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 K.P.H. OR FASTEST MILE K.P.H. ASSOCIATED DIRECTION TIME

TIME CHECK - CLOCK AT: 0955P @2-Sec./ 2100 @2-Sec./ ± Sec.

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, NV

DATE: 07 AUG 1984

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. (Whole) (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. REPORTS INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0054 | CLR | 20 | | | 129 | 71 | 44 | 10 | 05 | | 004 | 107 | EP |
| SA | 0151 | CLR | 20 | | | 129 | 70 | 45 | 00 | 00 | | 004 | | EP |
| SA | 0250 | CLR | 20 | | | 129 | 71 | 44 | 12 | 05 | | 004 | | EP |
| SA | 0355 | CLR | 20 | | | 131 | 70 | 44 | 05 | 04 | | 005 | 302 67 RADAT 20144 | HS |
| SA | 0451 | CLR | 20 | | | 135 | 69 | 44 | 34 | 04 | | 006 | | HS |
| SA | 0551 | CLR | 20 | | | 140 | 74 | 46 | 08 | 02 | | 008 | | HS |
| SA | 0650 | CLR | 20 | | | 144 | 77 | 48 | 28 | 03 | | 009 | 212 | HS |
| SA | 0750 | CLR | 20 | | | 148 | 83 | 42 | 31 | 03 | | 010 | | HS |
| SA | 0852 | CLR | 20 | | | 145 | 90 | 41 | 36 | 05 | | 010 | | HS |
| SA | 0950 | CLR | 20 | | | 142 | 93 | 39 | 20 | 07 | | 009 | 000 66 | HS |
| SA | 1052 | CLR | 20 | | | 138 | 96 | 37 | 31 | 05 | | 008 | | HS |
| SA | 1151 | CLR | 20 | | | 134 | 97 | 37 | 30 | 09 | | 007 | CU SE | HS |
| SA | 1250 | CLR | 20 | | | 126 | 99 | 38 | 26 | 06 | | 004 | 814 1100 | HS |
| SA | 1351 | CLR | 20 | | | 122 | 99 | 37 | 22 | 08 | | 003 | CU SE NE | HS |
| SA | 1450 | CLR | 20 | | | 115 | 99 | 36 | 29 | 10 | | 001 | CU SE NE | HS |
| SA | 1553 | CLR | 20 | | | 111 | 98 | 32 | 11 | 05 | | 999 | 715 1100 01 RADAT 20157 | EP |
| SA | 1650 | CLR | 20 | | | 105 | 97 | 32 | 24 | 07 | | 997 | | EP |
| SA | 1750 | CLR | 20 | | | 104 | 97 | 35 | 21 | 05 | | 997 | | EP |
| SA | 1850 | CLR | 20 | | | 105 | 91 | 41 | 00 | 00 | | 997 | 605 1100 | EP |
| SA | 1951 | CLR | 20 | | | 113 | 84 | 44 | 07 | 05 | | 999 | | EP |
| SA | 2052 | CLR | 20 | | | 115 | 80 | 42 | 04 | 05 | | 001 | | EP |
| SA | 2151 | CLR | 20 | | | 115 | 77 | 41 | 08 | 03 | | 001 | 110 01 | EP |
| SA | 2253 | CLR | 20 | | | 115 | 76 | 42 | 03 | 08 | | 001 | | EP |
| SA | 2351 | CLR | 20 | | | 114 | 76 | 52 | 10 | 03 | | 001 | | EP |

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

FM12-VII: Iiii $i_R i_x$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: 08 AUG 1984

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 | 26.600 | 73.4 | 58.8 | 43 | 0 | | | | | | | | | | | | | | | 0 | 4 | .000 | | | 00-01 |
| 01 50 | 26.600 | 71.5 | 57.8 | 44 | 0 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 50 | 26.600 | 70.2 | 56.1 | 40 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 53 | 26.600 | 71.8 | 58.3 | 45 | 0 | | | | | | | | | | | | | | | 0 | 4 | .000 | | | 03-04 |
| 04 52 | 26.600 | 72.1 | 55.1 | 34 | 3 | | | | | | | | | | | | | | | 3 | | | | | 04-05 |
| 05 51 | 26.615 | 80.0 | 58.0 | 26 | 4 | | | | | | | | | | | | | | | 4 | | | | | 05-06 |
| 06 50 | 26.620 | 83.1 | 60.7 | 27 | 4 | 4 | Cu | 90 | | | | | | | | | | | | 4 | 3 | .020 | | | 06-07 |
| 07 50 | 26.620 | 86.2 | 60.7 | 22 | 1 | | | | | | | | | | | | | | | 1 | | | | | 07-08 |
| 08 50 | 26.620 | 90.2 | 62.0 | 19 | 2 | | | | | | | | | | | | | | | 2 | | | | | 08-09 |
| 09 50 | 26.610 | 94.4 | 63.5 | 17 | 1 | 1 | Cu | 90 | | | | | | | | | | | | 1 | 8 | .010 | | | 09-10 |
| 10 51 | 26.600 | 96.6 | 64.0 | 16 | 1 | | | | | | | | | | | | | | | 1 | | | | | 10-11 |
| 11 50 | 26.580 | 101.0 | 65.1 | 13 | 2 | | | | | | | | | | | | | | | 2 | | | | | 11-12 |
| 12 51 | 26.560 | 99.0 | 63.0 | 12 | 1 | 1 | Cu | 90 | | | | | | | | | | | | 1 | 7 | .050 | | | 12-13 |
| 13 52 | 26.540 | 100.8 | 63.9 | 12 | 2 | | | | | | | | | | | | | | | 2 | | | | | 13-14 |
| 14 50 | 26.520 | 100.7 | 64.1 | 12 | 3 | | | | | | | | | | | | | | | 3 | | | | | 14-15 |
| 15 52 | 26.500 | 101.3 | 62.8 | 9 | 2 | 2 | CB | 90 | | | | | | | | | | | | 2 | 7 | .060 | | | 15-16 |
| 16 54 | 26.490 | 100.9 | 63.4 | 11 | 2 | | | | | | | | | | | | | | | 2 | | | | | 16-17 |
| 17 50 | 26.480 | 98.7 | 62.6 | 11 | 2 | | | | | | | | | | | | | | | 2 | | | | | 17-18 |
| 18 49 | 26.490 | 90.3 | 63.2 | 22 | 2 | 2 | Cu | 90 | | | | | | | | | | | | 2 | 5 | .010 | | | 18-19 |
| 19 48 | 26.510 | 87.1 | 61.0 | 21 | 1 | | | | | | | | | | | | | | | 1 | | | | | 19-20 |
| 20 55 | 26.510 | 82.7 | 59.2 | 24 | 0 | | | | | | | | | | | | | | | 0 | | | | | 20-21 |
| 21 48 | 26.510 | 79.0 | 58.7 | 29 | 0 | 0 | AC | 140 | | | | | | | | | | | | 0 | 1 | .020 | | | 21-22 |
| 22 59 | 26.515 | 78.3 | 58.0 | 29 | 1 | | | | | | | | | | | | | | | 1 | | | | | 22-23 |
| 23 50 | 26.515 | 77.5 | 58.0 | 30 | 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 03 49 | X | 0 | 0 | X | 76 | 69 | X | X | | | | | | X | | |
| | 03 49 | 1 | 0 | 0 | 0 | 77 | 69 | | 0 | | | | | | | | |
| | 09 46 | 2 | 0 | 0 | 0 | 96 | 66 | | 0 | | | | | | | | |
| | 15 48 | 3 | 0 | 0 | 0 | 103 | 94 | | 0 | | | | | | | | |
| | 21 45 | 4 | 0 | 0 | 0 | 102 | 79 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 79 | 76 | X | X | | | | | | X | | |

## STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0352 | 0949 | 1555 | 2147 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.600 | 26.610 | 26.500 | 26.510 |
| BAROGRAPH 64 | 26.600 | 26.615 | 26.500 | 26.510 |
| 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 | 4AM 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 103 | 66 | 0 | 0 | 0 | 18 | NE | 0737 | | | | | 2 | 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: 0915P ⊕2 Sec./ 2150PST ⊕2 Sec./ ± Sec.

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

STATION: WSMO, DESERT ROCK NEVADA

DATE: 0 8 AUG 1984

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 | | | 115 | 73 | 49 | 11 | 07 | | 001 | 400 | EP |
| SA | 0150 | CLR | 20 | | | 115 | 72 | 49 | 02 | 04 | | 001 | | EP |
| SA | 0250 | CLR | 20 | | | 116 | 70 | 46 | 02 | 05 | | 001 | | EP |
| SA | 0353 | CLR | 20 | | | 115 | 72 | 49 | 16 | 02 | | 001 | 400 69 RADAT 63144 | HS |
| SA | 0452 | 90SCT | 20 | | | 116 | 72 | 42 | 06 | 06 | | 001 | | HS |
| SA | 0551 | 90 SCT | 20 | | | 117 | 80 | 42 | 15 | 05 | | 003 | | HS |
| SA | 0650 | 90 SCT | 20 | | | 120 | 83 | 46 | 04 | 08 | | 003 | 307 1100 | HS |
| SA | 0750 | 90 SCT | 20 | | | 122 | 86 | 43 | 03 | 13 | | 003 | | HS |
| SA | 0850 | 90 SCT | 20 | | | 122 | 90 | 43 | 04 | 12 | | 003 | | HS |
| SA | 0950 | 90 SCT | 20 | | | 119 | 94 | 43 | 02 | 07 | | 002 | TCU SE/ 803 1200 66 | HS |
| SA | 1051 | 90 SCT | 20 | | | 115 | 97 | 43 | 35 | 07 | | 001 | TCU SE | HS |
| SA | 1150 | 90 SCT | 20 | | | 104 | 101 | 42 | 12 | 09 | | 999 | TCU SE NE | HS |
| SA | 1251 | 90 SCT | 20 | | | 100 | 99 | 37 | 35 | 05 | | 997 | CU DCR G/ 717 1100 | HS |
| SA | 1352 | 90 SCT | 20 | | | 092 | 101 | 38 | 25 | 03 | | 994 | | HS |
| SA | 1450 | 90 SCT | 20 | | | 085 | 101 | 39 | 17 | 06 | | 992 | HVY CU NW | HS |
| SA | 1556 | 90 SCT | 20 | | | 075 | 101 | 33 | 34 | 05 | | 990 | CB/RWU NW/ 720 1900 03 | SEA |
| / | / | | | | | | | | | | | / | RADAT 62150 | / |
| SA | 1654 | 90 SCT 250 SCT | 20 | | | 072 | 101 | 36 | 02 | 06 | | 989 | CB/RWU N-NW | SEA |
| SA | 1750 | 90 SCT 250 SCT | 20 | | | 066 | 99 | 36 | 05 | 03 | | 988 | | SEA |
| SA | 1849 | 90 SCT | 20 | | | 072 | 90 | 46 | 04 | 03 | | 989 | 503 1100 | SEA |
| SA | 1948 | 90 SCT | 20 | | | 080 | 87 | 42 | 01 | 04 | | 992 | | SEA |
| SA | 2055 | CLR | 20 | | | 080 | 83 | 42 | 06 | 01 | | 992 | FEW AC | SEA |
| SA | 2148 | CLR | 20 | | | 080 | 79 | 44 | 06 | 03 | | 992 | FEW AC/ 107 1030 03 | SEA |
| SA | 2259 | 140 SCT | 20 | | | 080 | 78 | 43 | 05 | 03 | | 992 | | SEA |
| SA | 2350 | 140 SCT | 20 | | | 078 | 78 | 44 | 00 | 00 | | 992 | | SEA |

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: 09 AUG 1984

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 | 26.520 | 78.4 | 57.0 | 26 | 0 | 0 | AC | 140 | | | | | | | | | | | | 0 | 2 | .040 | | | 00-01 |
| 01 54 | 26.520 | 75.1 | 57.0 | 33 | 1 | | | | | | | | | | | | | | | 1 | | | | | 01-02 |
| 02 50 | 26.520 | 76.4 | 56.0 | 27 | 1 | | | | | | | | | | | | | | | 1 | | | | | 02-03 |
| 03 51 | 26.520 | 76.1 | 56.1 | 28 | 0 | 0 | AC | 140 | | | | | | | | | | | | 0 | 4 | .000 | | | 03-04 |
| 04 49 | 26.525 | 83.1 | 56.9 | 18 | 0 | | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 05 50 | 26.540 | 78.5 | 57.0 | 26 | 0 | | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 06 50 | 26.550 | 84.0 | 58.9 | 21 | 0 | 0 | CU | 100 | 0 | AC | 140 | 0 | | | | | | | | 0 | 3 | .030 | | | 06-07 |
| 07 55 | 26.560 | 89.9 | 60.9 | 17 | 0 | | | | | | | | | | | | | | | 0 | | | | | 07-08 |
| 08 50 | 26.560 | 92.6 | 60.9 | 14 | 0 | | | | | | | | | | | | | | | 0 | | | | | 08-09 |
| 09 54 | 26.560 | 93.8 | 61.9 | 15 | 0 | 0 | CU | 120 | | | | | | | | | | | | 0 | 1 | .010 | | | 09-10 |
| 10 50 | 26.545 | 96.1 | 62.5 | 14 | 0 | | | | | | | | | | | | | | | 0 | | | | | 10-11 |
| 11 52 | 26.535 | 96.6 | 61.8 | 12 | 0 | | | | | | | | | | | | | | | 0 | | | | | 11-12 |
| 12 50 | 26.520 | 97.4 | 62.1 | 12 | 0 | 0 | CU | 120 | 0 | AC | 150 | 0 | | | | | | | | 0 | 7 | .040 | | | 12-13 |
| 13 50 | 26.500 | 99.0 | 63.1 | 12 | 0 | | | | | | | | | | | | | | | 0 | | | | | 13-14 |
| 14 51 | 26.480 | 100.3 | 63.5 | 11 | 1 | | | | | | | | | | | | | | | 1 | | | | | 14-15 |
| 15 55 | 26.460 | 100.0 | 62.9 | 11 | 2 | 1 | CB | 100 | 1 | CI | 250 | 2 | | | | | | | | 2 | 7 | .060 | | | 15-16 |
| 16 53 | 26.450 | 99.8 | 62.6 | 10 | 1 | | | | | | | | | | | | | | | 1 | | | | | 16-17 |
| 17 54 | 26.455 | 98.0 | 62.8 | 12 | 1 | | | | | | | | | | | | | | | 1 | | | | | 17-18 |
| 18 51 | 26.470 | 91.8 | 61.0 | 16 | 2 | 1 | CB | 100 | 1 | CI | 250 | 2 | | | | | | | | 2 | 3 | .010 | | | 18-19 |
| 19 47 | 26.480 | 88.0 | 59.5 | 17 | 0 | | | | | | | | | | | | | | | 0 | | | | | 19-20 |
| 20 50 | 26.495 | 83.2 | 58.8 | 22 | 1 | | | | | | | | | | | | | | | 1 | | | | | 20-21 |
| 21 49 | 26.500 | 80.6 | 58.0 | 24 | 1 | 0 | AC | 150 | 1 | CI | 250 | 1 | | | | | | | | 1 | 1 | .030 | | | 21-22 |
| 22 51 | 26.530 | 80.4 | 59.0 | 28 | 2 | | | | | | | | | | | | | | | 2 | | | | | 22-23 |
| 23 51 | 26.535 | 82.8 | 62.0 | 31 | 9 | | | | | | | | | | | | | | | 7 | | | | | 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 | | 80 | 74 | | | | | | | | | | |
| | 0346 | 1 | 0 | 0 | 0 | 80 | 74 | | 0 | | | | | | | | |
| | 0950 | 2 | 0 | 0 | 0 | 95 | 76 | | 0 | | | | | | | | |
| | 1548 | 3 | 0 | 0 | 0 | 102 | 94 | | 0 | | | | | | | | |
| | 2143 | 4 | 0 | 0 | 0 | 100 | 79 | | 0 | | | | | | | | |
| | MID. | | 0 | 0 | 0 | 83 | 78 | | | | | | | | | | |

## STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0350 | 0953 | 1551 | 2147 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.520 | 26.540 | 26.460 | 26.530 |
| BAROGRAPH 64 | 26.520 | 26.560 | 26.465 | 26.525 |
| BAR. CORR. 65 | 0 | 0* | -.005 | -.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 | 1AM 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 102 | 74 | 0 | 0 | 0 | 21 | SW | 1812 | | | | | 0 | 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: 0451P ① 1 Sec./2145PST ② 2 Sec./ ± Sec.

* BAROGRAPH CHANGED AND RESET TO ZERO COR

~ LAST OF SEVERAL OCURRANCES

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: 09 AUG 1984

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 GUSTS (Kts.) (11) | ALTIMETER SETTING (Ins.) (12) | REMARKS AND SUPPLEMENTAL CODED DATA (13) | OBSERVERS INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0050 | CLR | 20 | | | 081 | 78 | 41 | 35 | 03 | | 993 | FEW AC/ 203 1080 | SEA |
| SA | 0054 | 140 SCT | 20 | | | 081 | 75 | 44 | 02 | 05 | | 993 | | SEA |
| SA | 0250 | 140 SCT | 20 | | | 081 | 76 | 40 | 07 | 04 | | 993 | | SEA |
| SA | 0351 | CLR | 20 | | | 081 | 76 | 40 | 10 | 02 | | 992 | 400 1070 74 RADAT 58146 | MR |
| SA | 0449 | CLR | 20 | | | 080 | 83 | 35 | 06 | 10 | | 993 | FEW AC | MR |
| SA | 0550 | CLR | 20 | | | 088 | 79 | 40 | 10 | 04 | | 994 | FEW CU AC | MR |
| SA | 0650 | CLR | 20 | | | 094 | 84 | 40 | 04 | 04 | | 995 | 310 1170 | MR |
| SA | 0755 | CLR | 20 | | | 096 | 90 | 40 | 10 | 07 | | 997 | FEW AC | MR |
| SA | 0850 | CLR | 20 | | | 098 | 93 | 37 | 11 | 10 | | 997 | FEW CU AC | MR |
| SA | 0954 | CLR | 20 | | | 098 | 94 | 39 | 10 | 12 | | 997 | 103 1100 74 | MR |
| SA | 1050 | CLR | 20 | | | 092 | 96 | 38 | 10 | 08 | | 995 | FEW CU | MR |
| SA | 1152 | CLR | 20 | | | 088 | 97 | 35 | 11 | 06 | | 994 | TCU NW | MR |
| SA | 1250 | CLR | 20 | | | 082 | 97 | 35 | 03 | 04 | | 992 | TCU W 714 1250 | MR |
| SA | 1350 | CLR | 20 | | | 075 | 99 | 37 | 08 | 07 | | 990 | CB SE TCU NW | MR |
| SA | 1451 | 120 SCT | 20 | | | 065 | 100 | 37 | 09 | 05 | | 987 | CB OMTNS S TCU S-SW | MR |
| SA | 1555 | 100 SCT 250 SCT | 20 | | | 059 | 100 | 35 | 07 | 08 | | 986 | CB S-SW/ 720 1908 02 | SEA |
| / | / | | | | | | | | | | | / | RADAT 32151 | / |
| SA | 1653 | 100 SCT 250 SCT | 20 | | | 056 | 100 | 34 | 09 | 07 | | 985 | CB S-SW STNRY &DS CU | SEA |
| / | / | | | | | | | | | | | / | DSNT SE | / |
| SA | 1754 | 100 SCT 250 SCT | 20 | | | 056 | 98 | 37 | 23 | 16 | G20 | 985 | CB SE MOVG W CB S-SW DSIPTD | SEA |
| / | / | | | | | | | | | | | / | WSHFT GRDL | / |
| SA | 1851 | 100 SCT 250 SCT | 20 | | | 063 | 92 | 39 | 22 | 11 | | 987 | CB S MOVG W/ 303 1303 | SEA |
| SA | 1947 | CLR | 20 | | | 066 | 88 | 38 | 24 | 05 | | 988 | FEW CU/CI | SEA |
| SA | 2050 | 250 SCT | 20 | | | 073 | 83 | 41 | 05 | 03 | | 990 | FQT LTG DSNT S FEW CU | SEA |
| SA | 2149 | 250 SCT | 20 | | | 075 | 81 | 41 | 03 | 07 | | 991 | OCNL LTG DSNT SW FEW | SEA |
| / | / | | | | | | | | | | | / | AC/ 110 1072 02 | / |
| SA | 2251 | 120 SCT 250 SCT | 20 | | | 085 | 80 | 44 | 00 | 00 | | 994 | FEW CU | SEA |
| SA | 2351 | 90 SCT E120 BKN 250 BKN | 20 | | | 085 | 83 | 49 | 34 | 07 | | 994 | VIRGA SE | SEA |

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: 10 AUG 1984

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 52 | 26.555 | 81.4 | 62.4 | 35 | 10 | 6 | Cu | E90 | 6 | AC | 120 | 10 | | | | | | | | 10 | 2 | .055 | | | 00-01 |
| 01 53 | 26.540 | 79.4 | 62.0 | 38 | 5 | | | | | | | | | | | | | | | 4 | | | | | 01-02 |
| 02 51 | 26.550 | 77.1 | 61.3 | 41 | 8 | | | | | | | | | | | | | | | 6 | | | | | 02-03 |
| 03 54 | 26.550 | 76.7 | 59.8 | 38 | 8 | 0 | CB | 90 | 6 | Ac | E120 | 6 | 2 | Ci | 250 | 8 | | | | 7 | 5 | .005 | | | 03-04 |
| 04 51 | 26.570 | 77.3 | 60.0 | 37 | 9 | | | | | | | | | | | | | | | 8 | | | | | 04-05 |
| 05 52 | 26.585 | 78.0 | 60.9 | 38 | 9 | | | | | | | | | | | | | | | 8 | | | | | 05-06 |
| 06 52 | 26.595 | 61.3 | 62.7 | 36 | 7 | 3 | Cu | 80 | 4 | Ac | E140 | 7 | | | | | | | | 6 | 1 | .045 | | | 06-07 |
| 07 52 | 26.610 | 84.4 | 63.2 | 31 | 8 | | | | | | | | | | | | | | | 8 | | | | | 07-08 |
| 08 52 | 26.630 | 83.4 | 63.9 | 35 | 9 | | | | | | | | | | | | | | | 9 | | | | | 08-09 |
| 09 53 | 26.630 | 83.4 | 64.7 | 37 | 8 | 4 | Ac | 80 | 4 | Ac | E140 | 8 | | | | | | | | 7 | 1 | .035 | | | 09-10 |
| 10 52 | 26.630 | 84.5 | 64.8 | 35 | 9 | | | | | | | | | | | | | | | 9 | | | | | 10-11 |
| 11 50 | 26.620 | 86.8 | 65.0 | 31 | 7 | | | | | | | | | | | | | | | 6 | | | | | 11-12 |
| 12 51 | 26.610 | 85.0 | 64.9 | 35 | 9 | 0 | CB | 60 | 3 | Ac | 90 | 3 | 6 | Ac | E140 | 9 | | | | 9 | 8 | .020 | | | 12-13 |
| 13 50 | 26.595 | 87.1 | 64.7 | 30 | 7 | | | | | | | | | | | | | | | 7 | | | | | 13-14 |
| 14 52 | 26.570 | 88.1 | 64.9 | 29 | 6 | | | | | | | | | | | | | | | 6 | | | | | 14-15 |
| 15 53 | 26.560 | 89.8 | 64.6 | 26 | 5 | 1 | CB | 80 | 3 | AC | 140 | 3 | 3 | Ci | 250 | 5 | | | | 9 | 7 | .050 | | | 15-16 |
| 16 50 | 26.560 | 88.4 | 64.1 | 27 | 8 | | | | | | | | | | | | | | | 7 | | | | | 16-17 |
| 17 51 | 26.565 | 89.3 | 63.6 | 27 | 8 | | | | | | | | | | | | | | | 8 | | | | | 17-18 |
| 18 49 | 26.565 | 84.1 | 63.0 | 31 | 7 | 6 | AC | E140 | 5 | Ci | 250 | 7 | | | | | | | | 6 | 1 | .005 | | | 18-19 |
| 19 51 | 26.580 | 82.1 | 63.1 | 35 | 10 | | | | | | | | | | | | | | | 8 | | | | | 19-20 |
| 20 51 | 26.600 | 81.4 | 63.0 | 37 | 10 | | | | | | | | | | | | | | | 9 | | | | | 20-21 |
| 21 54 | 26.640 | 79.5 | 63.0 | 41 | 7 | 6 | AC | E140 | 2 | Ci | 250 | 7 | | | | | | | | 6 | 1 | .045 | | | 21-22 |
| 22 52 | 26.620 | 78.8 | 62.1 | 40 | 10 | | | | | | | | | | | | | | | 10 | | | | | 22-23 |
| 23 50 | 26.610 | 78.4 | 62.2 | 41 | 10 | | | | | | | | | | | | | | | 10 | | | | | 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 | | T | 0 | | 83 | 76 | | | | | | | | | | |
| | 0347 | 1 | T | 0 | 0 | 83 | 76 | | 0 | | | | | | | | |
| | 0946 | 2 | T | 0 | 0 | 85 | 75 | | 0 | | | | | | | | |
| | 1545 | 3 | 0 | 0 | 0 | 91 | 83 | | 0 | | | | | | | | |
| | 2148 | 4 | 0 | 0 | 0 | 90 | 80 | | 0 | | | | | | | | |
| | MID. | | 0 | 0 | 0 | 80 | 77 | | | | | | | | | | |

## STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0353 | 0951 | 1552 | 2153 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.537 | 26.635 | 26.560 | 26.610 |
| BAROGRAPH 64 | 26.537 | 26.635 | 26.560 | 26.605 |
| BAR. CORR. 65 | 0 | -.005 | ±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 | 4AM 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 91 | 75 | T | 0 | 0 | 17 | SW | 0903 | | | | | 8 | 8 | | |

## WEATHER & OBSTRUCTIONS TO VISION

| TYPE 82 | BEGAN 83 | ENDED 84 | TYPE 85 | BEGAN 87 | ENDED 88 |
|---|---|---|---|---|---|
| RW- | 0006 | 0015 | | | |
| RW- | 0114 | 0121 | | | |
| RW- | 0916 | 0947 | | | |

## 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: 0454P ⊕1 Sec./2254P ⊕2 Sec./ ± Sec.

1251P/1251P

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 AUG 1984

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) | OB. METEOROLOGIST INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0052 | E90 BKN 120 OVC | 20 | | | 093 | 81 | 51 | 33 | 03 | | 997 | RWU S VIRGA E AND SW | SEA |
| / | / | | | | | | | | | | | / | BNOVC NW RBBRER/ 21900 1270 | / |
| SA | 0153 | 90 SCT 120 SCT 250 SCT | 20 | | | 089 | 79 | 52 | 09 | 02 | | 995 | CB AND OCNL LTG/SSE | SEA |
| / | / | | | / | | *RB14E21 | | | SW-W MOVG | | W | | TCU/RWU NW OCNL LTG DSNT S | / |
| SA | 0251 | 90 SCT E120 BKN 250 BKN | 20 | | | 093 | 77 | 52 | 00 | 00 | | 996 | CB AND OCNL LTG/C W MOVG | SEA |
| / | / | | | | | | | | | / | W | | OCNL LTS DSNT SE-S | / |
| SA | 0351 | E120 BKN 250 BKN | 20 | | | 093 | 77 | 49 | 35 | 06 | | 996 | CB OCNL LTG/C SW MOVG W | MR |
| / | / | | | | | | | | | / | 50 | 200 | 1952 76 RADAT 71146 | / |
| SA | 0451 | E80 BKN 130 BKN | 20 | | | 100 | 77 | 49 | 30 | 02 | | 997 | CB SW | MR |
| SA | 0552 | E80 BKN 130 BKN | 20 | | | 106 | 78 | 50 | 02 | 03 | | 999 | ACCAS SW VIRGA N | MR |
| SA | 0652 | 80 SCT E140 BKN | 20 | | | 111 | 81 | 52 | 11 | 04 | | 000 | TCU SW AND NW 115 1270 | MR |
| SA | 0752 | E80 BKN 130 BKN | 20 | | | 118 | 84 | 51 | 10 | 07 | | 002 | TCU NW AND N | MR |
| SA | 0852 | E70 BKN 130 BKN | 20 | | | 127 | 83 | 53 | 16 | 07 | | 004 | RWU S-SW AND NW | MR |
| SA | 0953 | 80 SCT E140 BKN | 20 | | | 130 | 83 | 54 | 29 | 07 | | 004 | RB16E47 RWU NW 11200 | MR |
| / | / | | | | | | | | | / | | | 1070 75 | / |
| SA | 1052 | 90 SCT E140 BKN | 20 | | | 129 | 85 | 54 | 22 | 05 | | 004 | TCU E RWU W | MR |
| SA | 1150 | 90 SCT E140 BKN | 20 | | | 122 | 87 | 53 | 24 | 07 | | 003 | CB TCU E RWU NW | MR |
| SA | 1251 | 90 SCT E140 BKN | 20 | | | 121 | 85 | 54 | 20 | 04 | | 002 | CB E AND SW 807 1370 | MR |
| SA | 1350 | 90 SCT E140 BKN 250 BKN | 20 | | | 115 | 87 | 52 | 27 | 04 | | 000 | CB E AND SW | MR |
| SA | 1452 | 90 SCT E140 BKN 250 BKN | 20 | | | 106 | 88 | 52 | 21 | 12 | | 997 | CB E RWU OMTNS SE | MR |
| SA | 1553 | 90 SCT 140 SCT 250 SCT | 20 | | | 102 | 90 | 50 | 22 | 07 | G14 | 997 | CB/RWU SE / 717 136191 | SEA |
| / | / | | | | | | | | | | | / | RADAT 62144 | / |
| SA | 1650 | 90 SCT E140 BKN 250 BKN | 20 | | | 102 | 88 | 50 | 24 | 07 | | 997 | CB SE DSPTD *RWU NE *TCU | SEA |
| SA | 1751 | 90 SCT E140 BKN 250 BKN | 20 | | | 104 | 87 | 49 | 22 | 07 | | 998 | RWU SE PHRHELION | SEA |
| SA | 1849 | E140 BKN 250 BKN | 20 | | | 104 | 84 | 50 | 23 | 03 | | 998 | 102 1072 | SEA |
| SA | 1951 | 90 SCT E140 BKN 250 OVC | 20 | | | 109 | 82 | 52 | 11 | 02 | | 999 | SWRL BNOVC | SEA |
| SA | 2051 | 90 SCT E140 BKN 250 OVC | 20 | | | 118 | 81 | 52 | 03 | 03 | | 001 | | SEA |
| SA | 2154 | E140 BKN 250 BKN | 20 | | | 122 | 80 | 54 | 07 | 02 | | 003 | OCNL LTG DSNT SW/ 115 | SEA |
| / | / | | | | | | | | | | | / | 1071 91 | / |
| SA | 2252 | 90 SCT E140 OVC | 20 | | | 125 | 79 | 52 | 04 | 05 | | 004 | OCNL LTG DSNT SW | SEA |
| SA | 2350 | 90 SCT E140 OVC | 20 | | | 121 | 78 | 53 | 05 | 01 | | 003 | | SEA |

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: 11 AUG 1987

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 | 26.630 | 79.4 | 62.5 | 40 | 10 | 7 | SC | E80 | 10 | AC | 140 | 10 | | | | | | | | 10 | 2 | .030 | | | 00-01 |
| 01 50 | 26.630 | 79.4 | 62.0 | 43 | 10 | | | | | | | | | | | | | | | 10 | | | | | 01-02 |
| 02 50 | 26.620 | 77.0 | 63.0 | 47 | 10 | | | | | | | | | | | | | | | 10 | | | | | 02-03 |
| 03 54 | 26.610 | 76.1 | 63.8 | 52 | 9 | 7 | AC | E90 | 2 | AC | 140 | 9 | | | | | | | | 9 | 8 | .020 | | | 03-04 |
| 04 52 | 26.620 | 76.3 | 62.5 | 47 | 8 | | | | | | | | | | | | | | | 8 | | | | | 04-05 |
| 05 50 | 26.630 | 76.0 | 62.8 | 49 | 8 | | | | | | | | | | | | | | | 7 | | | | | 05-06 |
| 06 50 | 26.640 | 75.9 | 64.0 | 53 | 5 | 0 | AC | 90 | 5 | AC | 140 | 5 | | | | | | | | 4 | 2 | .030 | | | 06-07 |
| 07 49 | 26.650 | 80.4 | 65.3 | 46 | 0 | | | | | | | | | | | | | | | 0 | | | | | 07-08 |
| 08 50 | 26.650 | 82.9 | 66.3 | 43 | 0 | | | | | | | | | | | | | | | 0 | | | | | 08-09 |
| 09 53 | 26.640 | 85.4 | 67.6 | 41 | 0 | 0 | CB | 70 | 0 | AC | 140 | 0 | | | | | | | | 0 | 0 | .000 | | | 09-10 |
| 10 48 | 26.620 | 87.3 | 68.1 | 38 | 0 | | | | | | | | | | | | | | | 0 | | | | | 10-11 |
| 11 52 | 26.615 | 88.0 | 66.2 | 32 | 1 | | | | | | | | | | | | | | | 1 | | | | | 11-12 |
| 12 52 | 26.595 | 90.3 | 65.5 | 27 | 1 | 1 | CB | 100 | 0 | AC | 140 | 1 | | | | | | | | 1 | 7 | .045 | | | 12-13 |
| 13 51 | 26.575 | 92.0 | 66.4 | 26 | 2 | | | | | | | | | | | | | | | 2 | | | | | 13-14 |
| 14 51 | 26.560 | 92.0 | 66.0 | 25 | 3 | | | | | | | | | | | | | | | 3 | | | | | 14-15 |
| 15 55 | 26.560 | 86.0 | 66.8 | 20 | 8 | 5 | CB | 50 | 2 | AC | E100 | 6 | 3 | CI | E50 | 8 | | | | 6 | 6 | .035 | | | 15-16 |
| 16 56 | 26.540 | 92.3 | 64.8 | 22 | 6 | | | | | | | | | | | | | | | 4 | | | | | 16-17 |
| 17 53 | 26.540 | 88.4 | 65.0 | 29 | 2 | | | | | | | | | | | | | | | 2 | | | | | 17-18 |
| 18 52 | 26.550 | 86.0 | 65.0 | 33 | 0 | 0 | CU | 50 | 0 | CU | 90 | 0 | 0 | AC | 150 | 0 | 0 | CI | E50 | 0 | 5 | .010 | | | 18-19 |
| 19 51 | 26.570 | 83.0 | 62.5 | 32 | 0 | | | | | | | | | | | | | | | 0 | | | | | 19-20 |
| 20 51 | 26.580 | 82.2 | 62.6 | 34 | 0 | | | | | | | | | | | | | | | 0 | | | | | 20-21 |
| 21 53 | 26.590 | 78.6 | 62.1 | 40 | 0 | 0 | CI | E50 | | | | | | | | | | | | 0 | 2 | .040 | | | 21-22 |
| 22 51 | 26.600 | 77.8 | 63.2 | 46 | 0 | | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 23 53 | 26.600 | 74.0 | 61.0 | 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 0347 | X | T | 0 | X | 80 | 75 | X | X | | | | | | X | | |
| | 0347 | 1 | T | 0 | 0 | 80 | 75 | | 0 | | | | | | | | |
| | 0947 | 2 | 0 | 0 | 0 | 86 | 75 | | 0 | | | | | | | | |
| | 1547 | 3 | 0 | 0 | 0 | 96 | 85 | | 0 | | | | | | | | |
| | 2146 | 4 | 0 | 0 | 0 | 96 | 78 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 79 | 74 | X | X | | | | | | X | | |

## STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0352 | 1952 | 1554 | 2151 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.660 | 26.640 | 26.560 | 26.590 |
| BAROGRAPH 64 | 26.660 | 26.652 | 26.560 | 26.580 |
| BAR. CORR. 65 | -.010 | -.010 | ± 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 | 4/6/87 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 96 | 74 | T | 0 | 0 | 28 | NE | 1548 | | | | | 3 | 3 | | |

## WEATHER & OBSTRUCTIONS TO VISION

| TYPE 82 | BEGAN 83 | ENDED 84 | TYPE 86 | BEGAN 87 | ENDED 88 |
|---|---|---|---|---|---|
| R- | 0043 | 0133 | | | |
| R- | 0207 | 0227 | | | |
| T | 1303 | 1337 | | | |
| T | 1406 | 1636 | | | |

## 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: 0554P @2 Sec./ 2058P @2 Sec./ ± Sec.

0650P/0650P
1152P/1152P

LAST OF SEVERAL OCCURRENCES

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: **11 AUG 1984**

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

| TYPE | TIME (LST) | SKY AND CEILING (Hundreds of Feet) | VISIBILITY (Miles) SURFACE | VISIBILITY (Miles) FOREP | WEATHER AND OBSTRUCTIONS TO VISION | SEA LEVEL PRESS. (Mb.) | TEMP (°F) | DEW PT. (°F) | WIND DIRECTION (100's Deg.) | WIND SPEED (Knots) | CHARACTER | ALTIMETER SETTING (Ins.) | REMARKS AND SUPPLEMENTAL CODED DATA | OBSERVER'S INITIALS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0051 | E80 BKN 140 OVC | 20 | | R- | 130 | 79 | 53 | 16 | 03 | | 005 | RB43 VB4 LST / 26700 1571 | SEA |
| SA | 0150 | E90 BKN 140 OVC | 20 | | | 129 | 77 | 53 | 20 | 03 | | 005 | OCNL LTG DSNT E-SE RE33 | SEA |
| SA | 0250 | E90 BKN 140 OVC | 20 | | | 125 | 77 | 55 | 13 | 02 | | 004 | OCNL LTG DSNT SE RB07E27 | SEA |
| SA | 0354 | E90 BKN 140 BKN | 20 | | | 120 | 76 | 57 | 03 | 03 | | 002 | 80700 1570 75 RMDAT | MR |
| | | | | | | | | | | | | | 98139 | |
| SA | 0452 | 90 SCT E140 BKN | 20 | | | 124 | 76 | 55 | 10 | 02 | | 003 | | MR |
| SA | 0550 | 90 SCT E140 BKN | 20 | | | 130 | 76 | 55 | 18 | 02 | | 004 | TCU DSNT S | MR |
| SA | 0650 | ~~90 SCT~~ 140 SCT | 20 | | | 134 | 76 | 58 | 35 | 02 | | 005 | 210 1070 | MR |
| SA | 0749 | CLR | 20 | | | 138 | 80 | 58 | 08 | 03 | | 006 | FEW CU AC | MR |
| SA | 0850 | CLR | 20 | | | 138 | 83 | 58 | 12 | 08 | | 006 | TCU SE FEW AC | MR |
| SA | 0953 | CLR | 20 | | | 132 | 85 | 59 | 12 | 10 | | 005 | CB OMTNS SE 000 1370 75 | MR |
| SA | 1048 | CLR | 20 | | | 124 | 87 | 59 | 14 | 05 | | 003 | CB OMTNS SE | MR |
| SA | 1152 | 140 SCT | 20 | | | 123 | 88 | 55 | 26 | 03 | | 003 | CB N ~~EAND~~ AND SE TCU ALQDS | MR |
| SA | 1252 | 100 SCT 140 SCT | 20 | | | 114 | 90 | 52 | 25 | 04 | | 000 | CB TCU ALQDS 715 1970 | MR |
| SP | 1305 | 100 SCT 140 SCT | 20 | | T | | | | 11 | 04 | | 000 | TB03 SE MOVMT VVK | MR |
| SP | 1339 | 100 SCT 140 SCT | 20 | | | | | | 15 | 03 | | 998 | TE37 SE DSPTD CB ALQDS | MR |
| SA | 1351 | 100 SCT 140 SCT 250 SCT | 20 | | | 105 | 92 | 52 | 30 | 03 | | 998 | TB03E37 SE DSPTD CB | MR |
| | | | | | | | | | | | | | TCU ALQDS | |
| SP | 1409 | 100 SCT 140 SCT 250 SCT | 20 | | T | | | | 16 | 04 | | 997 | TB06 NW MOVG SE CB | MR |
| | | | | | | | | | | | | | TCU ALQDS | |
| SA | 1451 | 100 SCT 150 SCT | 20 | | T | 101 | 92 | 51 | 20 | 06 | | 996 | T NW STNRY CB ALQDS | MR |
| | | | | | | | | | | | | | TB06 RWR NW | |
| SA | 1555 | 50 SCT E100 BKN 250 BKN | 20 | | T | 099 | 96 | 48 | 04 | 17 | G28 | 997 | T NE MOVG SE OCNL LTGCG | SEA |
| | | | | | | | | | | | | | 612 1963 96 RMDAT 56493 | |
| SP | 1638 | 50 SCT 100 SCT 250 SCT | 20 | | | | | | 06 | 11 | G17 | 995 | TE36 DSIPTD CB SE MOVG S | SEA |
| | | | | | | | | | | | | | VIRGA E | |
| SA | 1656 | 50 SCT 150 SCT E250 BKN | 20 | | | 094 | 92 | 48 | 08 | 07 | G14 | 995 | TE36 DSIPTD CB SE MOVG SW OCNL LTGCG | SEA |
| SA | 1753 | 150 SCT 250 SCT | 20 | | | 095 | 88 | 52 | 13 | 09 | | 995 | CB S MOVG W FEW CU 90 | SEA |
| SA | 1852 | CLR | 20 | | | 100 | 86 | 53 | 10 | 06 | | 996 | FEW CU/AC/CI/ 203 1271 | SEA |
| SA | 1951 | CLR | 20 | | | 109 | 83 | 50 | 11 | 04 | | 998 | FEW CU/AC | SEA |
| SA | 2051 | CLR | 20 | | | 110 | 82 | 51 | 12 | 04 | | 999 | FEW CI SE | SEA |
| SA | 2153 | CLR | 20 | | | 115 | 79 | 52 | 11 | 04 | | 000 | FEW CI / 214 1061 96 | SEA |
| SA | 2251 | CLR | 20 | | | 118 | 78 | 55 | 08 | 03 | | 002 | FEW CI | SEA |
| SA | 2353 | CLR | 20 | | | 120 | 74 | 53 | 03 | 04 | | 002 | | SEA |

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 NEVADA**

DATE: 12 AUG 1984

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 52 | 26.600 | 73.9 | 62.0 | 52 | 0 | | | | | | | | | | | | | | | 0 | 1 | .010 | | | 00-01 |
| 01 50 | 26.600 | 73.5 | 61.0 | 50 | 0 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 50 | 26.600 | 72.1 | 61.0 | 55 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 51 | 26.600 | 71.0 | 60.8 | 57 | 0 | 0 | AC | 120 | | | | | | | | | | | | 0 | 4 | .000 | | | 03-04 |
| 04 54 | 26.610 | 70.3 | 60.8 | 59 | 0 | | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 05 51 | 26.620 | 79.0 | 62.0 | 58 | 0 | | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 06 51 | 26.630 | 78.2 | 63.5 | 46 | 0 | 0 | AC | 120 | 0 | CI | 250 | 0 | | | | | | | | 0 | 2 | .030 | | | 06-07 |
| 07 51 | 26.630 | 82.1 | 64.7 | 40 | 0 | | | | | | | | | | | | | | | 0 | | | | | 07-08 |
| 08 52 | 26.630 | 87.3 | 65.7 | 32 | 0 | | | | | | | | | | | | | | | 0 | | | | | 08-09 |
| 09 50 | 26.630 | 89.3 | 65.0 | 27 | 0 | 0 | TCU | 80 | | | | | | | | | | | | 0 | 4 | .000 | | | 09-10 |
| 10 54 | 26.620 | 92.8 | 65.5 | 23 | 1 | | | | | | | | | | | | | | | 1 | | | | | 10-11 |
| 11 54 | 26.600 | 92.5 | 65.7 | 24 | 1 | | | | | | | | | | | | | | | 1 | | | | | 11-12 |
| 12 50 | 26.590 | 93.6 | 66.0 | 23 | 2 | 2 | CU | 80 | | | | | | | | | | | | 2 | 7 | .040 | | | 12-13 |
| 13 51 | 26.570 | 93.6 | 66.3 | 24 | 4 | | | | | | | | | | | | | | | 4 | | | | | 13-14 |
| 14 50 | 26.540 | 94.6 | 67.3 | 24 | 4 | | | | | | | | | | | | | | | 4 | | | | | 14-15 |
| 15 53 | 26.540 | 94.0 | 66.4 | 23 | 3 | 3 | CU | 80 | 0 | CI | 250 | 3 | | | | | | | | 3 | 6 | .020 | | | 15-16 |
| 16 52 | 26.520 | 95.0 | 66.4 | 22 | 2 | | | | | | | | | | | | | | | 2 | | | | | 16-17 |
| 17 54 | 26.520 | 94.4 | 65.8 | 22 | 1 | | | | | | | | | | | | | | | 1 | | | | | 17-18 |
| 18 52 | 26.520 | 89.8 | 64.6 | 26 | 0 | 0 | CU | 80 | 0 | CI | 250 | 0 | | | | | | | | 0 | 6 | .000 | | | 18-19 |
| 19 55 | 26.540 | 85.6 | 64.3 | 32 | 0 | | | | | | | | | | | | | | | 0 | | | | | 19-20 |
| 20 54 | 26.560 | 82.6 | 63.0 | 34 | 0 | | | | | | | | | | | | | | | 0 | | | | | 20-21 |
| 21 53 | 26.560 | 82.2 | 62.6 | 34 | 0 | | | | | | | | | | | | | | | 0 | 1 | .040 | | | 21-22 |
| 22 55 | 26.570 | 80.5 | 62.0 | 36 | 0 | | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 23 52 | 26.570 | 77.8 | 61.8 | 41 | 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 | 74 | 71 | X | X | | | | | | X | | |
| | 0347 | 1 | 0 | 0 | 0 | 79 | 71 | | 0 | | | | | | | | |
| | 0946 | 2 | 0 | 0 | 0 | 89 | 69 | | 0 | | | | | | | | |
| | 1547 | 3 | 0 | 0 | 0 | 96 | 89 | | 0 | | | | | | | | |
| | 2147 | 4 | 0 | 0 | 0 | 96 | 82 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 82 | 78 | X | X | | | | | | X | | |

## STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0350 | 0950 | 1549 | 2149 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.600 | 26.630 | 26.540 | 26.560 |
| BAROGRAPH 64 | 26.590 | 26.620 | 26.530 | 26.550 |
| BAR. CORR. 65 | +.010 | +.010 | +.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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 96 | 69 | 0 | 0 | 0 | 15 | SW | 1755 | | | | | 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: 0800P Ø2 Sec./ 2201P Ø2 Sec./ + Sec.

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: 12 AUG 1984

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. INTERVALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SX | 0052 | CLR | 20 | | | 118 | 74 | 55 | 00 | 00 | | 002 | 103 | SEA |
| SA | 0150 | CLR | 20 | | | 117 | 74 | 54 | 10 | 06 | | 002 | | SEA |
| SA | 0250 | CLR | 20 | | | 119 | 72 | 55 | 30 | 01 | | 002 | FEW AC SW | SEA |
| SA | 0351 | CLR | 20 | | | 117 | 71 | 55 | 36 | 02 | | 002 | FEW AC / 400 1070 71 | SEA |
| / | / | | | | | | | | | | | / | RADAT 53147 | / |
| SA | 0451 | CLR | 20 | | | 121 | 70 | 55 | 07 | 04 | | 002 | | [illegible] |
| SA | 0551 | CLR | 20 | | | 128 | 72 | 57 | 14 | 03 | | 003 | | [illegible] |
| SA | 0651 | CLR | 20 | | | 129 | 78 | 55 | 29 | 03 | | 004 | 210 1071 | [illegible] |
| SA | 0751 | CLR | 20 | | | 128 | 82 | 55 | 31 | 05 | | 004 | | [illegible] |
| SA | 0852 | CLR | 20 | | | 126 | 87 | 54 | 30 | 04 | | 004 | CU BLDG NW | [illegible] |
| SA | 0950 | CLR | 20 | | | 128 | 89 | 51 | 20 | 03 | | 004 | TCU SE AND NW / 400 1200 69 | [illegible] |
| SA | 1054 | 80 SCT | 20 | | | 122 | 93 | 50 | 14 | 06 | | 003 | CB SE AND NW | [illegible] |
| SA | 1154 | 80 SCT | 20 | | | 117 | 93 | 50 | 19 | 02 | | 001 | | [illegible] |
| SA | 1250 | 80 SCT | 20 | | | 114 | 94 | 50 | 16 | 08 | | 999 | FEW TCU / 714 1200 | [illegible] |
| SA | 1351 | 80 SCT | 20 | | | 106 | 94 | 51 | 15 | 08 | | 997 | CB DSNT SE | [illegible] |
| SA | 1450 | 80 SCT | 20 | | | 094 | 95 | 53 | 10 | 06 | | 994 | | [illegible] |
| SA | 1553 | 80 SCT 250 SCT | 20 | | | 094 | 94 | 51 | 08 | 02 | | 994 | 617 1101 96 RADAT | JC |
| / | | | | | | | | | | | | | 70147 | / |
| SA | 1652 | 80 SCT 250 SCT | 20 | | | 087 | 95 | 50 | 25 | 07 | | 992 | | JC |
| SA | 1754 | 80 SCT 250 SCT | 20 | | | 087 | 94 | 49 | 23 | 08 | | 992 | | JC |
| SA | 1852 | CLR | 20 | | | 086 | 90 | 50 | 27 | 06 | | 992 | 607 1101 | JC |
| SA | 1953 | CLR | 20 | | | 094 | 86 | 52 | 10 | 06 | | 994 | | JC |
| SA | 2054 | CLR | 20 | | | 100 | 83 | 51 | 11 | 07 | | 997 | | JC |
| SA | 2153 | CLR | 20 | | | 100 | 82 | 51 | 12 | 06 | | 997 | 114 96 | JC |
| SA | 2255 | CLR | 20 | | | 102 | 81 | 51 | 10 | 06 | | 998 | | JC |
| SA | 2352 | CLR | 20 | | | 104 | 78 | 52 | 15 | 07 | | 998 | | 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$_2$ 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, NV

DATE: 1984 AUG 13

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 | 26.570 | 76.8 | 61.2 | 43 | 0 | | | | | | | | | | | | | | | 0 | 1 | .010 | | | 00-01 |
| 01 55 | 26.570 | 76.3 | 61.3 | 43 | 0 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 51 | 26.560 | 73.8 | 66.1 | 49 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 53 | 26.560 | 73.8 | 60.3 | 47 | 0 | | | | | | | | | | | | | | | 0 | 6 | .010 | | | 03-04 |
| 04 50 | 26.570 | 72.0 | 60.1 | 51 | 0 | | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 05 51 | 26.590 | 73.1 | 61.7 | 53 | 4 | | | | | | | | | | | | | | | 4 | | | | | 05-06 |
| 06 50 | 26.600 | 77.0 | 63.3 | 48 | 4 | 3 | AC | 120 | 1 | AC | 170 | 4 | | | | | | | | 4 | 2 | .040 | | | 06-07 |
| 07 58 | 26.600 | 85.3 | 66.7 | 39 | 3 | | | | | | | | | | | | | | | 3 | | | | | 07-08 |
| 08 52 | 26.600 | 88.3 | 65.0 | 29 | 5 | | | | | | | | | | | | | | | 5 | | | | | 08-09 |
| 09 50 | 26.600 | 90.0 | 65.3 | 27 | 8 | 7 | CU | E80 | 2 | AC | 120 | 8 | | | | | | | | 8 | 4 | .000 | | | 09-10 |
| 10 50 | 26.590 | 94.7 | 67.2 | 24 | 8 | | | | | | | | | | | | | | | 8 | | | | | 10-11 |
| 11 53 | 26.570 | 97.0 | 68.6 | 24 | 8 | | | | | | | | | | | | | | | 8 | | | | | 11-12 |
| 12 50 | 26.550 | 96.3 | 68.0 | 24 | 6 | 6 | CU | E90 | 0 | AC | 120 | 6 | | | | | | | | 6 | 8 | .050 | | | 12-13 |
| 13 53 | 26.530 | 98.6 | 68.9 | 22 | 7 | | | | | | | | | | | | | | | 7 | | | | | 13-14 |
| 14 50 | 26.520 | 97.7 | 67.7 | 21 | 6 | | | | | | | | | | | | | | | 6 | | | | | 14-15 |
| 15 53 | 26.490 | 97.7 | 62.8 | 21 | 6 | 6 | CB | E90 | | | | | | | | | | | | 6 | 6 | .060 | | | 15-16 |
| 16 51 | 26.480 | 96.2 | 67.1 | 22 | 5 | | | | | | | | | | | | | | | 4 | | | | | 16-17 |
| 17 55 | 26.490 | 94.7 | 62.0 | 24 | 4 | | | | | | | | | | | | | | | 3 | | | | | 17-18 |
| 18 54 | 26.510 | 92.2 | 66.0 | 25 | 6 | 1 | CB | 90 | 5 | AC | E160 | 6 | | | | | | | | 4 | 3 | .020 | | | 18-19 |
| 19 53 | 26.520 | 90.7 | 66.0 | 27 | 6 | | | | | | | | | | | | | | | 5 | | | | | 19-20 |
| 20 54 | 26.530 | 87.0 | 65.3 | 32 | 2 | | | | | | | | | | | | | | | 2 | | | | | 20-21 |
| 21 53 | 26.540 | 86.2 | 65.4 | 34 | 1 | 0 | CB | 90 | 1 | AC | 160 | 1 | | | | | | | | 1 | 2 | .030 | | | 21-22 |
| 22 54 | 26.540 | 85.3 | 67.8 | 42 | 1 | | | | | | | | | | | | | | | 1 | | | | | 22-23 |
| 23 50 | 26.550 | 85.4 | 67.9 | 42 | 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 0350 | X | 0 | 0 | X | 78 | 72 | X | X | | | | | | X | | |
| | 0350 | 1 | 0 | 0 | 0 | 82 | 72 | | 0 | | | | | | | | |
| | 0946 | 2 | 0 | 0 | 0 | 90 | 71 | | 0 | | | | | | | | |
| | 1547 | 3 | 0 | 0 | 0 | 100 | 90 | | 0 | | | | | | | | |
| | 2148 | 4 | 0 | 0 | 0 | 98 | 86 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 86 | 85 | X | X | | | | | | X | | |

## STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0335 | 0950 | 1549 | 2150 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.560 | 26.600 | 26.490 | 26.540 |
| BAROGRAPH 64 | 26.560 | 26.600 | 26.500 | 26.535 |
| BAR. CORR. 65 | 0 | X 0 | +.010 | +.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 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 100 | 71 | 0 | 0 | 0 | 26 | SW | 1214 | | | | | 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: 0454P @2 Sec./ 2233P @2 Sec./ ± Sec.

X-BAROGRAP CHANGED 0955P

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, NV

DATE: 1984 AUG 13

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 (Hg.) (12) | REMARKS AND SUPPLEMENTAL CODED DATA (13) | OBSERVER INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0054 | CLR | 20 | | | 104 | 77 | 53 | 08 | 05 | | 998 | 103 | JC |
| SA | 0153 | CLR | 20 | | | 104 | 76 | 52 | 11 | 02 | | 998 | | JC |
| SA | 0251 | CLR | 20 | | | 101 | 74 | 54 | 17 | 02 | | 997 | | JC |
| SA | 0353 | CLR | 20 | | | 101 | 74 | 52 | 00 | 00 | | 996 | 603 72 RADAT 73154 | |
| SA | 0450 | CLR | 20 | | | 105 | 72 | 53 | 09 | 05 | | 997 | AC LIR NE-SE | |
| SA | 0551 | 120 SCT 170 SCT | 20 | | | 113 | 73 | 55 | 00 | 00 | | 999 | | |
| SA | 0650 | 120 SCT 170 SCT | 20 | | | 117 | 77 | 56 | 15 | 03 | | 001 | 214 1070 | |
| SA | 0758 | 120 SCT | 20 | | | 115 | 85 | 57 | 23 | 04 | | 001 | FEW CU | |
| SA | 0852 | 80 SCT 120 SCT | 20 | | | 115 | 88 | 52 | 12 | 03 | | 001 | | |
| SA | 0950 | E80 BKN 120 BKN | 20 | | | 115 | 90 | 51 | 10 | 03 | | 001 | FEW TCU/400 1270 TI | |
| SA | 1050 | E90 BKN 120 BKN | 20 | | | 109 | 95 | 52 | 20 | 09 | | 000 | FEW TCU | |
| SA | 1155 | E90 BKN 120 BKN 280 BKN | 20 | | | 100 | 97 | 54 | 17 | 12 | | 997 | TCU N-SE AND SW | |
| SA | 1250 | E90 BKN 120 BKN | 20 | | | 095 | 96 | 53 | 22 | 11 | | 995 | FEW TCU/817 1260 | |
| SA | 1353 | E90 BKN | 20 | | | 086 | 99 | 51 | 22 | 04 | | 993 | CB NE MOVG NE | |
| SA | 1450 | E90 BKN 280 BKN | 20 | | | 077 | 98 | 51 | 23 | 08 | | 990 | CB NE-SE | |
| SA | 1553 | E90 BKN | 20 | | | 074 | 98 | 52 | 22 | 15 | | 989 | CB NE-SE MOVG NE | JC |
| / | | | | | | | | | | | | | 620 1900 00 RADAT | / |
| / | | | | | | | | | | | | | 71153 | / |
| SA | 1651 | 90 SCT 160 SCT 250 SCT | 20 | | | 071 | 96 | 51 | 22 | 10 | | 988 | CB NE-SE MOVG NE | JC |
| SA | 1753 | 90 SCT 160 SCT | 20 | | | 075 | 95 | 52 | 23 | 11 | | 989 | CB NE-SE MOVG NE | JC |
| SA | 1854 | 90 SCT E160 BKN | 20 | | | 082 | 92 | 51 | 19 | 10 | | 991 | CB NE MOVG NE AND | JC |
| / | | | | | | | | | | | | | SE STNRY/307 1970 | / |
| SA | 1953 | 90 SCT E160 BKN | 20 | | | 082 | 91 | 52 | 18 | 09 | | 992 | CB SE STNRY | JC |
| SA | 2054 | 160 SCT | 20 | | | 085 | 87 | 53 | 18 | 08 | | 993 | CB SE STNRY | JC |
| SA | 2153 | 160 SCT | 20 | | | 089 | 86 | 54 | 14 | 06 | | 994 | CB OCNL LTGIC E | JC |
| / | | | | | | | | | | | | | MOVG NE/210 1970 00 | / |
| SA | 2254 | 160 SCT | 20 | | | 087 | 85 | 54 | 21 | 10 | | 994 | CB NE MOVG NE | JC |
| SA | 2350 | 160 SCT | 20 | | | 090 | 85 | 60 | 14 | 06 | | 996 | CB MOVD NE | JC |

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 $1s_nTTT$ $2s_nT_dT_dT_d$ $3P_oP_oP_oP_o$ 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, NV

DATE: 1984 AUG 14

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 | 26.550 | 82.1 | 66.2 | 44 | 4 | 4 | Ac | 160 | | | | | | | | | | | | 4 | 2 | .010 | | | 00-01 |
| 01 53 | 26.550 | 81.0 | 66.3 | 47 | 7 | | | | | | | | | | | | | | | 6 | | | | | 01-02 |
| 02 53 | 26.550 | 80.2 | 66.4 | 50 | 9 | | | | | | | | | | | | | | | 8 | | | | | 02-03 |
| 03 51 | 26.550 | 79.1 | 65.8 | 51 | 8 | 4 | Sc | 70 | 4 | Ac | E140 | 8 | | | | | | | | 8 | 4 | .000 | | | 03-04 |
| 04 53 | 26.560 | 78.7 | 65.7 | 51 | 7 | | | | | | | | | | | | | | | 7 | | | | | 04-05 |
| 05 52 | 26.570 | 80.0 | 66.3 | 50 | 8 | | | | | | | | | | | | | | | 8 | | | | | 05-06 |
| 06 54 | 26.590 | 86.3 | 68.4 | 41 | 8 | 6 | CB | E70 | 2 | Ac | 140 | 8 | | | | | | | | 8 | 3 | .040 | | | 06-07 |
| 07 52 | 26.590 | 84.9 | 67.6 | 42 | 8 | | | | | | | | | | | | | | | 8 | | | | | 07-08 |
| 08 50 | 26.600 | 86.8 | 69.1 | 42 | 8 | | | | | | | | | | | | | | | 8 | | | | | 08-09 |
| 09 52 | 26.585 | 85.6 | 69.2 | 45 | 10 | 8 | CB | E70 | 2 | Ac | 140 | 10 | | | | | | | | 9 | 8 | .005 | | | 09-10 |
| 10 55 | 26.620 | 88.8 | 67.0 | 92 | 10 | | | | | | | | | | | | | | | 10 | | | | | 10-11 |
| 11 49 | 26.640 | 94.0 | 71.0 | 87 | 10 | | | | | | | | | | | | | | | 10 | | | | | 11-12 |
| 12 50 | 26.680 | 71.4 | 69.0 | 89 | 10 | 3 | Cu Fra | 10 | 10 | CB | M37 | 10 | | | | | | | | 10 | 2 | .095 | | | 12-13 |
| 13 52 | 26.610 | 73.0 | 63.3 | 60 | 10 | | | | | | | | | | | | | | | 10 | | | | | 13-14 |
| 14 50 | 26.640 | 70.5 | 64.5 | 73 | 10 | | | | | | | | | | | | | | | 10 | | | | | 14-15 |
| 15 53 | 26.670 | 71.0 | 65.4 | 75 | 10 | 0 | Cu Fra | 10 | 2 | Sc | E45 | 2 | 3 | Ac | 120 | 10 | | | | 10 | 6 | .070 | | | 15-16 |
| 16 54 | 26.630 | 71.3 | 65.9 | 76 | 10 | | | | | | | | | | | | | | | 9 | | | | | 16-17 |
| 17 53 | 26.620 | 71.5 | 65.4 | 73 | 10 | | | | | | | | | | | | | | | 10 | | | | | 17-18 |
| 18 53 | 26.620 | 71.1 | 65.1 | 74 | 10 | 8 | Sc | E50 | 2 | Ac | 120 | 10 | | | | | | | | 10 | 6 | .020 | | | 18-19 |
| 19 51 | 26.640 | 70.7 | 64.8 | 74 | 10 | | | | | | | | | | | | | | | 10 | | | | | 19-20 |
| 20 53 | 26.660 | 69.4 | 65.8 | 83 | 10 | | | | | | | | | | | | | | | 10 | | | | | 20-21 |
| 21 53 | 26.670 | 69.1 | 65.2 | 82 | 10 | 8 | Sc | E60 | 2 | Ac | 120 | 10 | | | | | | | | 10 | 1 | -.020 | | | 21-22 |
| 22 54 | 26.670 | 69.6 | 65.6 | 82 | 10 | | | | | | | | | | | | | | | 10 | | | | | 22-23 |
| 23 53 | 26.670 | 70.2 | 65.0 | 76 | 10 | | | | | | | | | | | | | | | 10 | | | | | 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 | | 85 | 79 | | | | | | | | | | |
| | 0347 | 1 | 0 | 0 | 0 | 86 | 79 | | 0 | | | | | | | | |
| | 0948 | 2 | T | 0 | 0 | 89 | 78 | | 0 | | | | | | | | |
| | 1547 | 3 | .94 | 0 | 0 | 86 | 68 | | 2 | | | | | | | | |
| | 2148 | 4 | 0 | 0 | 0 | 72 | 69 | | 1 | | | | | | | | |
| | MID. | | 0 | 0 | 0 | 70 | 69 | | | | | | | | | | |

## STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0351 | 0952 | 1549 | 2150 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.550 | 26.585 | 26.640 | 26.670 |
| BAROGRAPH 64 | 26.545 | 26.585 | 26.635 | 26.665 |
| BAR. CORR. 65 | +.005 | 0 | +.005 | +.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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 89 | 68 | .94 | 0 | 0 | 40 | E | 1255 | | | | | 9 | 9 | | |

## WEATHER & OBSTRUCTIONS TO VISION

| TYPE 82 | BEGAN 83 | ENDED 84 | TYPE 86 | BEGAN 87 | ENDED 88 |
|---|---|---|---|---|---|
| T | 0626 | 0707 | | | |
| RW- | 0741 | 0743 | | | |
| T | 0945 | 1347 | | | |
| RW- | 0955 | 1008 | | | |
| RW+ | 1008 | 1035 | | | |
| RW- | 1035 | 1038 | | | |
| RW- | 1114 | 1350 | | | |

## 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: 0733P ✓ Sec./ 2226P ✓ Sec./ ± Sec.

0952/0952 1053/1053 1250/1250 1553/1553



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, NV

DATE: 1984 AUG 14

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 (00-36) (9) | WIND SPEED (Knots) (10) | WIND CHARACTER (11) | ALTIMETER SETTING (Inches) (12) | REMARKS AND SUPPLEMENTAL CODED DATA (13) | OB. NEEDED MINUTES (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0054 | 160 SCT | 20 | | | 092 | 82 | 58 | 19 | 06 | | 996 | 203 1070 | JC |
| SA | 0153 | E160 BKN | 20 | | | 091 | 81 | 59 | 10 | 05 | | 996 | | JC |
| SA | 0252 | E160 BKN | 20 | | | 092 | 80 | 60 | 09 | 08 | | 996 | | JC |
| SA | 0351 | 70 SCT E140 BKN | 20 | | | 093 | 79 | 59 | 13 | 04 | | 996 | HDU 1460 79 RADAT 7848 | MY |
| SA | 0453 | 70 SCT E140 BKN | 20 | | | 096 | 79 | 59 | 10 | 08 | | 997 | CB DSNT NE AND SE | MY |
| SA | 0552 | E70 BKN 140 BKN | 20 | | | 101 | 80 | 60 | 09 | 06 | | 998 | CB NE AND NW TCU ALQDS | MY |
| SP | 0629 | E70 BKN 140 BKN | 20 | | T | | | | 14 | 09 | | 999 | T NW B26 MOVG N | MY |
| SA | 0654 | E70 BKN 140 BKN | 20 | | T | 106 | 86 | 60 | 31 | 06 | | 999 | T SW B26 MOVG N / 314 1960 | MY |
| SP | 0710 | E70 BKN 140 BKN | 20 | | | | | | 31 | 06 | | 000 | TE07 MOVD N RWU NW TB SW-NW | MY |
| SA | 0752 | E70 BKN 140 BKN | 20 | | | 108 | 85 | 59 | 28 | 09 | | 000 | TE07 MOVD N RB41E43 RWU W-NW | MY |
| SA | 0850 | E70 BKN 140 BKN | 20 | | | 112 | 87 | 61 | 03 | 08 | | 001 | CB SE TCU ALQDS | MY |
| RS | 0952 | E70 BKN 140 OVC | 20 | | T | 110 | 86 | 62 | 22 | 10 | | 999 | T NW B45 MOVG N RWY NW RWU SE / 80 196 / 78 | MY |
| SP | 1012 | E40 OVC | 3 | | TRW+ | | | | 33 | 24 | G30 | 001 | T OVHD AND NW MOVG N OCNL LTGICCG NW AND SE | MY |
| SP | 1025 | E30 OVC | 1 | | TRW+ | | | | 06 | 04 | | 006 | T ALQDS MOVG N OCNL LTGICCG PRESRR | MY |
| SP | 1030 | E20 OVC | 1/4 | | TRW+ | | | | 01 | 13 | | 004 | T ALQDS MOVG N FQT LTGICCG PRESFR | MY |
| SP | 1038 | E40 OVC | 3 | | TRW- | | | | 01 | 12 | | 005 | T W-NE MOVG N FQT LTGICCG | MY |
| SA | 1055 | 15 SCT E40 OVC | 10 | | TRW- | 130 | 69 | 66 | 35 | 13 | | 003 | T NW-NE MOVG N FQT LTGICCG RB1753 | MY |
| SA | 1149 | 11 SCT E40 BKN 100 OVC | 15 | | TRW- | 135 | 74 | 70 | 28 | 08 | | 006 | TSE-SW MOVG N OCNL LTG ICCG S T NW-NE MOVD N | PM |
| SP | 1200 | -X M11 BKN 40 OVC | 10 | | TRW- | | | | 27 | 15 | | 008 | TSE-SW MOVG N OCNL LTG FBW CUFRA NW 2 HND PRESRR R2 | |
| SA | 1250 | 10 SCT M37 OVC | 10 | | TRW- | 153 | 71 | 68 | 09 | 13 | | 010 | T NW-NE MOVG N OCNL LTGICCG / 23289 1911 | MY |
| RS | 1352 | M45 BKN 120 OVC | 20 | | | 126 | 73 | 58 | 09 | 23 | G33 | 002 | TE47 MOVD N RE50 VRY DRK NW-NE PK WND 0940 / 2055 PRESFR | MY |
| SA | 1450 | E45 BKN 120 OVC | 20 | | | 139 | 71 | 62 | 04 | 15 | | 005 | FEW CUFRA 10 DRK NW-NE | MY |
| SA | 1553 | E45 BKN 120 OVC | 20 | | | 140 | 71 | 63 | 07 | 14 | G20 | 002 | FEW CUFRA 10 / 60494 147 / 89 RADAT 91146 | JC |
| SA | 1654 | 50 SCT E120 BKN 250 OVC | 20 | | | 136 | 71 | 63 | 12 | 12 | | 004 | RWD SW FEW CUFRA 10 | JC |
| SA | 1753 | E50 BKN 120 BKN 250 OVC | 20 | | | 131 | 72 | 63 | 12 | 13 | | 003 | FEW CUFRA 10 | JC |
| SA | 1855 | E50 BKN 120 OVC | 20 | | | 129 | 71 | 62 | 04 | 07 | | 003 | 607 147 / | JC |
| SA | 1951 | E50 BKN 120 OVC | 20 | | | 137 | 71 | 62 | 09 | 04 | | 003 | | JC |
| SA | 2055 | E60 BKN 120 OVC | 20 | | | 145 | 69 | 64 | 11 | 10 | | 008 | | JC |
| SA | 2153 | E60 BKN 120 OVC | 20 | | | 149 | 69 | 63 | 11 | 06 | | 009 | 117 147 / 89 | JC |
| SA | 2254 | E60 BKN 120 OVC | 20 | | | 158 | 70 | 64 | 12 | 08 | | 009 | | JC |
| SA | 2353 | E60 BKN 120 OVC | 20 | | | 155 | 70 | 62 | 11 | 08 | | 009 | | JC |

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: 1984 AUG 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 | 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 54 | 26.660 | 71.0 | 65.5 | 76 | 10 | 10 | Sc | E40 | | | | | | | | | | | | 10 | 8 | .010 | | | | 00-01 |
| 01 53 | 26.660 | 71.1 | 66.4 | 79 | 10 | | | | | | | | | | | | | | | 10 | | | | | | 01-02 |
| 02 50 | 26.660 | 70.6 | 66.5 | 81 | 10 | | | | | | | | | | | | | | | 10 | | | | | | 02-03 |
| 03 59 | 26.650 | 69.8 | 66.5 | 85 | 9 | 9 | Sc | E40 | | | | | | | | | | | | 9 | 8 | .010 | | | | 03-04 |
| 04 54 | 26.655 | 70.4 | 67.0 | 84 | 9 | | | | | | | | | | | | | | | 9 | | | | | | 04-05 |
| 05 53 | 26.660 | 70.0 | 66.7 | 85 | 10 | | | | | | | | | | | | | | | 10 | | | | | | 05-06 |
| 06 56 | 26.670 | 71.8 | 67.0 | 79 | 10 | 0 | CUFRA | 10 | 7 | Sc | E40 | 7 | 3 | Ac | 120 | 10 | | | | 10 | 2 | .020 | | | | 06-07 |
| 07 52 | 26.680 | 73.3 | 66.5 | 71 | 10 | | | | | | | | | | | | | | | 10 | | | | | | 07-08 |
| 08 51 | 26.680 | 74.0 | 67.0 | 71 | 10 | | | | | | | | | | | | | | | 10 | | | | | | 08-09 |
| 09 50 | 26.690 | 75.1 | 67.4 | 68 | 10 | 2 | CUFRA | 15 | 6 | Sc | E40 | 8 | 2 | Ac | 120 | 10 | | | | 10 | 2 | .020 | | | | 09-10 |
| 10 54 | 26.690 | 68.0 | 66.3 | 92 | 10 | | | | | | | | | | | | | | | 10 | | | | | | 10-11 |
| 11 51 | 26.690 | 71.2 | 68.1 | 87 | 10 | | | | | | | | | | | | | | | 10 | | | | | | 11-12 |
| 12 52 | 26.670 | 74.0 | 69.0 | 79 | 10 | 0 | CUFRA | 6 | 2 | CUFRA | 15 | 2 | 5 | Sc | M30 | 7 | 3 | Ac | 120 | 9 | 8 | .020 | | | | 12-13 |
| 13 51 | 26.660 | 77.7 | 67.7 | 61 | 10 | | | | | | | | | | | | | | | 8 | | | | | | 13-14 |
| 14 50 | 26.630 | 77.0 | 67.5 | 62 | 10 | | | | | | | | | | | | | | | 9 | | | | | | 14-15 |
| 15 53 | 26.680 | 69.0 | 68.1 | 96 | 10 | 2 | CUFRA | 25 | 10 | Sc | E35 | 10 | | | | | | | | 10 | 3 | .010 | | | | 15-16 |
| 16 54 | 26.650 | 69.2 | 67.1 | 90 | 10 | | | | | | | | | | | | | | | 10 | | | | | | 16-17 |
| 17 54 | 26.650 | 68.7 | 66.7 | 91 | 10 | | | | | | | | | | | | | | | 9 | | | | | | 17-18 |
| 18 53 | 26.650 | 69.7 | 67.6 | 90 | 10 | 0 | CUFRA | 15 | 5 | Sc | 45 | 5 | 3 | Ac | 120 | 8 | 2 | Ci | 250 | 9 | 6 | .030 | | | | 18-19 |
| 19 54 | 26.660 | 68.6 | 68.0 | 92 | 10 | | | | | | | | | | | | | | | 10 | | | | | | 19-20 |
| 20 52 | 26.670 | 69.4 | 68.2 | 95 | 10 | | | | | | | | | | | | | | | 10 | | | | | | 20-21 |
| 21 53 | 26.680 | 68.7 | 67.9 | 97 | 10 | 7 | Sc | E40 | 3 | Ac | 120 | 10 | | | | | | | | 9 | 2 | .030 | | | | 21-22 |
| 22 55 | 26.690 | 68.7 | 68.0 | 97 | 10 | | | | | | | | | | | | | | | 9 | | | | | | 22-23 |
| 23 51 | 26.690 | 68.7 | 68.2 | 98 | 10 | | | | | | | | | | | | | | | 10 | | | | | | 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 0359 | X | 0 | 0 | X | 71 | 68 | X | X | | | | | | X | | |
| | 0359 | 1 | 0 | 0 | 0 | 71 | 68 | | 1 | | | | | | | | |
| | 0945 | 2 | 0 | 0 | 0 | 76 | 68 | | 0 | | | | | | | | |
| | 1549 | 3 | .79 | 0 | 0 | 78 | 68 | | 2 | | | | | | | | |
| | 2148 | 4 | .23 | 0 | 0 | 70 | 68 | | 1 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 69 | 68 | X | X | | | | | | X | | |

### STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0359 | 0950 | 1549 | 2150 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.650 | 26.690 | 26.680 | 26.680 |
| BAROGRAPH 64 | 26.650 | 26.680 | 26.660 | 26.675 |
| BAR. CORR. 65 | 0 | +.010 | to 20 | to 05 |

## 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 78 | 68 | .02 | 0 | 0 | 16 | SE | 1027 | | | | | 10 | 10 | | |

## WEATHER & OBSTRUCTIONS TO VISION

| TYPE 82 | BEGAN 83 | ENDED 84 | TYPE 86 | BEGAN 87 | ENDED 88 |
|---|---|---|---|---|---|
| RW- | 1002 | 1024 | | | |
| RW | 1024 | 1050 | | | |
| T | 1043 | 1105 | | | |
| RW- | 1050 | 1203 | | | |
| T | 1129 | 1218 | | | |
| RW- | 1451 | 1502 | | | |
| RW+ | 1502 | 1525 | | | |
| RW- | 1525 | 1612 | | | |
| RW | 1612 | 1643 | | | |
| RW- | 1643 | 1741 | | | |

## 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: 0602P ⊕ / Sec./ 1932P ⊕ / Sec./ ± Sec.

1338 ⊕ 26/0945 CCL 15N SB 1500
1046P CCL 13 SB FB43 20/1026
1054P CCL 13 SB FB43 20/1026
1431 CCL 13 SB FB29 20/1023
1450 CCL 13 SB FB29 SE-SW .11 OVGN RWR SE-SW 20/1027

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

MF1-10B (1-82)

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, NV

DATE: 1984 AUG 15

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

| TYPE (11) | TIME (LST) (12) | SKY AND CEILING (Hundreds of Feet) (13) | VISIBILITY (Miles) SURFACE (14) | VISIBILITY (Miles) TOWER (14a) | WEATHER AND OBSTRUCTIONS TO VISION (15) | 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. SCHEDULE INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0054 | E45 OVC | 20 | | | 152 | 71 | 63 | 09 | 07 | | 008 | 803 14// | JC |
| SA | 0153 | E45 OVC | 20 | | | 151 | 71 | 64 | 06 | 07 | | 008 | | JC |
| SA | 0250 | E40 OVC | 20 | | | 153 | 71 | 65 | 23 | 03 | | 008 | | JC |
| SA | 0349 | E46 BKN | 20 | | | 150 | 70 | 65 | 30 | 03 | | 007 | 803 154 68 20094 | |
| | | | | | | | | | | | | | RADAT 9247 | |
| SA | 0454 | E40 BKN | 20 | | | 151 | 70 | 65 | 04 | 05 | | 008 | | |
| SA | 0553 | 40 SCT E120 BKN 250 OVC | 20 | | | 153 | 70 | 65 | 12 | 06 | | 008 | | |
| SA | 0650 | E40 BKN 120 OVC | 20 | | | 155 | 72 | 65 | 12 | 08 | | 009 | FEW CUFRA 10 / 207 146/ | |
| SA | 0752 | 15 SCT E40 BKN 120 OVC | 20 | | | 160 | 73 | 63 | 06 | 03 | | 010 | | |
| SA | 0851 | 15 SCT E40 BKN 120 OVC | 20 | | | 159 | 74 | 64 | 12 | 07 | | 010 | RWU SE | |
| SA | 0950 | 15 SCT E40 BKN 120 OVC | 20 | | | 163 | 75 | 64 | 13 | 09 | | 011 | RWU NE-SE / 207 146/ 68 | |
| SP | 1046 | 15 SCT E40 OVC | 5 | | TRW | | | | 12 | 11 | | 011 | T843 HND ~~843~~ MOVG NW | |
| | | | | | | | | | | | | | RW ONLY RW+ | |
| SA | 1054 | 15 SCT E40 OVC | 10 | | TRW- | 165 | 68 | 66 | 10 | 05 | | 011 | T844 NW ~~843~~ MOVG NW RB02 | |
| SP | 1107 | 6 SCT 15 SCT E40 OVC | 15 | | RW- | | | | 11 | 07 | | 011 | TE05 MOVD NW | |
| SA | 1151 | 6 SCT 15 SCT M35 OVC | 15 | | RW- | 165 | 71 | 67 | 21 | 04 | | 011 | TE05 MOVD NW | |
| SA | 1252 | 15 SCT M30 BKN 120 OVC | 20 | | | 153 | 74 | 67 | 01 | 04 | | 009 | RE03 FEW CUFRA 6 HND | |
| | | | | | | | | | | | | | BINOVC / 80739 146/ | |
| SA | 1351 | E35 BKN 120 BKN 250 OVC | 20 | | | 149 | 78 | 63 | 04 | 03 | | 008 | CB NE-SE BINOVC | |
| | | | | | | | | | | | | | FEW CUFRA 15 HND | |
| SP | 1431 | E35 BKN 120 OVC | 20 | | T | | | | 23 | 05 | | 005 | T829 SE-SW MOVG N ~~FB27~~ | |
| SA | 1450 | E35 BKN 120 OVC | 20 | | T | 137 | 77 | 63 | 28 | 05 | | 004 | T824 ~~TRW+~~ SE-SW MOVG N | |
| | | | | | | | | | | | | | ~~FB27~~ RW+ SE-SW | |
| SP | 1506 | M24 OVC | 5 | | TRW+ | | | | 20 | 10 | | 009 | T OVHD MOVG N PRESRR | JC |
| SP | 1527 | 25 SCT E35 BKN 120 OVC | 10 | | TRW- | | | | 23 | 06 | | 009 | T IN MOVG N | JC |
| SA | 1553 | 25 SCT E35 OVC | 10 | | TRW- | 161 | 69 | 68 | 23 | 07 | | 009 | T N AND S MOVG N RB2257 | JC |
| | | | | | | | | | | | | | 30379 19// 78 RADAT 9257 | |
| SP | 1616 | 6 SCT 26 SCT E35 OVC | 15 | | TRW | | | | 21 | 04 | | 008 | TALQDS MOVG N | JC |
| SA | 1654 | 6 SCT E35 BKN 120 OVC | 15 | | TRW- | 150 | 69 | 66 | 27 | 07 | | 007 | T N-E MOVG N RW- ~~ONLY~~ | JC |
| SP | 1720 | 35 SCT E120 BKN 250 OVC | 20 | | RW- | | | | 32 | 06 | | 005 | TE18 MOVD N FEW | JC |
| | | | | | | | | | | | | | CUFRA 15 HND | |
| SA | 1754 | 15 SCT 35 SCT E120 BKN 250 OVC | 20 | | | 150 | 69 | 66 | 02 | 08 | | 007 | TE18 MOVD N RE41 RWUN | JC |
| SA | 1853 | 45 SCT E120 BKN 250 OVC | 20 | | | 148 | 70 | 67 | 13 | 05 | | 007 | FEW CUFRA / 61023 1473 | JC |
| SA | 1954 | E50 BKN 120 OVC | 20 | | | 151 | 70 | 67 | 34 | 02 | | 008 | | JC |
| SA | 2052 | E45 BKN 120 OVC | 20 | | | 155 | 69 | 68 | 18 | 03 | | 009 | | JC |
| SA | 2153 | E40 BKN 120 OVC | 20 | | | 159 | 69 | 68 | 00 | 00 | | 010 | 21023 147/ 78 | JC |
| SA | 2253 | E40 BKN 120 OVC | 20 | | | 166 | 69 | 68 | 26 | 03 | | 011 | | JC |
| SA | 2351 | E45 BKN 120 OVC | 20 | | | 165 | 69 | 68 | 00 | 00 | | 011 | | JC |

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 Ndff $1s_nTTT$ $2s_nT_dT_dT_d$ $3P_0P_0P_0P_0$ 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: 1984 AUG 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 52 | 26.690 | 68.6 | 67.8 | 96 | 9 | 3 | Sc | 45 | 6 | AC | E120 | 9 | | | | | | | | 7 | 1 | .010 | | | 00-01 |
| 01 54 | 26.690 | 68.8 | 68.1 | 97 | 10 | | | | | | | | | | | | | | | 10 | | | | | 01-02 |
| 02 51 | 26.690 | 69.6 | 68.7 | 96 | 9 | | | | | | | | | | | | | | | 8 | | | | | 02-03 |
| 03 57 | 26.685 | 69.6 | 69.6 | 100 | 3 | 3 | AC | 120 | | | | | | | | | | | | 3 | 8 | .005 | | | 03-04 |
| 04 59 | 26.690 | 69.0 | 66.5 | 97 | 7 | | | | | | | | | | | | | | | 2 | | | | | 04-05 |
| 05 53 | 26.710 | 69.9 | 67.3 | 97 | 4 | | | | | | | | | | | | | | | 1 | | | | | 05-06 |
| 06 55 | 26.720 | 70.4 | 69.0 | 93 | 3 | 1 | Sc | 50 | 2 | AC | 100 | 3 | | | | | | | | 3 | 2 | .035 | | | 06-07 |
| 07 57 | 26.725 | 76 | 69.2 | 79 | 2 | | | | | | | | | | | | | | | 2 | | | | | 07-08 |
| 08 53 | 26.730 | 80 | 69.0 | 65 | 1 | | | | | | | | | | | | | | | 1 | | | | | 08-09 |
| 09 50 | 26.725 | 80.0 | 69.0 | 59 | 1 | 1 | Cu | 40 | | | | | | | | | | | | 1 | 2 | .015 | | | 09-10 |
| 10 52 | 26.730 | 82.3 | 70.0 | 56 | 3 | | | | | | | | | | | | | | | 3 | | | | | 10-11 |
| 11 57 | 26.715 | 84.5 | 69.3 | 48 | 3 | | | | | | | | | | | | | | | 3 | | | | | 11-12 |
| 12 51 | 26.705 | 84.3 | 68.8 | 49 | 2 | 2 | Cu | 40 | | | | | | | | | | | | 2 | 7 | .030 | | | 12-13 |
| 13 53 | 26.685 | 85.0 | 67.3 | 41 | 3 | | | | | | | | | | | | | | | 3 | | | | | 13-14 |
| 14 52 | 26.660 | 87.2 | 68.7 | 40 | 3 | | | | | | | | | | | | | | | 3 | | | | | 14-15 |
| 15 51 | 26.655 | 86.5 | 67.0 | 37 | 1 | 1 | CB | 40 | | | | | | | | | | | | 1 | 7 | .050 | | | 15-16 |
| 16 50 | 26.645 | 87.6 | 67.8 | 37 | 2 | | | | | | | | | | | | | | | 2 | | | | | 16-17 |
| 17 52 | 26.640 | 85.0 | 66.4 | 38 | 2 | | | | | | | | | | | | | | | 2 | | | | | 17-18 |
| 18 52 | 26.645 | 84.0 | 66.2 | 44 | 2 | 0 | AC | 130 | 2 | Ci | 250 | 2 | | | | | | | | 2 | 5 | .010 | | | 18-19 |
| 19 52 | 26.650 | 77.2 | 67.6 | 62 | 2 | | | | | | | | | | | | | | | 1 | | | | | 19-20 |
| 20 50 | 26.660 | 74.6 | 69.0 | 76 | 3 | | | | | | | | | | | | | | | 0 | | | | | 20-21 |
| 21 51 | 26.670 | 73.8 | 69.0 | 79 | 0 | | | | | | | | | | | | | | | 0 | 2 | .025 | | | 21-22 |
| 22 50 | 26.680 | 72.6 | 68.0 | 80 | 0 | | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 23 52 | 26.680 | 71.3 | 65.8 | 76 | 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 0355 | X | 0 | 0 | X | 70 | 68 | X | X | | | | | | X | | |
| | 0355 | 1 | 0 | 0 | 0 | 70 | 68 | | 1 | | | | | | | | |
| | 0946 | 2 | 0 | 0 | 0 | 81 | 66 | | 1 | | | | | | | | |
| | 1546 | 3 | 0 | 0 | 0 | 88 | 80 | | 0 | | | | | | | | |
| | 2145 | 4 | 0 | 0 | 0 | 88 | 74 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 74 | 71 | X | X | | | | | | X | | |

## STATION PRESSURE COMPUTATIONS

| TIME (L.S.T.) 59 | 0356 | 0947 | 1548 | 2147 |
|---|---|---|---|---|
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.685 | 26.725 | 26.655 | 26.670 |
| BAROGRAPH 64 | 26.685 | 26.735 | 26.650 | 26.670 |
| BAR. CORR. 65 | ±0 | ±0 | +.005 | ±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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 88 | 66 | 0 | 0 | 0 | 15 | NW | 1227 | | | | | 2 | 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 HOURLY WIND SPEED M.P.H. OR FASTEST MILE M.P.H. ASSOCIATED DIRECTION TIME

TIME CHECK - CLOCK AT: 0710P 01 Sec./ 1830P ⊕ /Sec./ ± Sec.

0151/0151

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, NV

DATE: 1984 AUG 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) | OBSERVER'S INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0052 | 45 SCT E120 BKN | 20 | | | 162 | 69 | 67 | 10 | 03 | | 011 | 103 1470 | JC |
| SA | 0154 | 45 SCT E120 ~~BKN~~ OVC | 20 | | | 160 | 69 | 68 | 12 | 03 | | 011 | | JC |
| SA | 0251 | E120 BKN | 20 | | | 160 | 70 | 68 | 35 | 02 | | 011 | | JC |
| SA | 0357 | 120 SCT | 20 | | | 165 | 68 | 68 | 14 | 03 | | 011 | 807 1070 68 20102 | [illegible] |
| | | | | | | | | | | | | | RADAT 54151 | [illegible] |
| SA | 0459 | 100 SCT 250-BKN | 20 | | | 166 | 67 | 66 | 01 | 03 | | 011 | FEW CUFRA SE | [illegible] |
| SA | 0553 | 100 SCT 250-SCT | 20 | | | 173 | 68 | 67 | 00 | 00 | | 014 | GF E AND W | [illegible] |
| SA | 0655 | 50 SCT 100 SCT | 20 | | | 179 | 70 | 68 | 14 | 03 | | 015 | 212 1570 | [illegible] |
| SA | 0757 | 50 SCT | 20 | | | 176 | 75 | 69 | 27 | 03 | | 015 | | [illegible] |
| SA | 0853 | 40 SCT | 15 | | | 176 | 78 | 65 | 03 | 03 | | 016 | | [illegible] |
| SA | 0950 | 40 SCT | 15 | | | 177 | 80 | 64 | 34 | 04 | | 016 | 205 1200 66 | [illegible] |
| SA | 1052 | 40 SCT | 15 | | | 174 | 82 | 65 | 24 | 06 | | 016 | | [illegible] |
| SA | 1159 | 40 SCT | 15 | | | 166 | 85 | 62 | 24 | 10 | | 014 | | [illegible] |
| SA | 1251 | 40 SCT | 15 | | | 163 | 84 | 62 | 24 | 09 | | 013 | 710 1200 | [illegible] |
| SA | 1353 | 40 SCT | 15 | | | 155 | 85 | 59 | 27 | 12 | | 011 | | [illegible] |
| SA | 1452 | 40 SCT | 15 | | | 145 | 87 | 60 | 23 | 08 | | 008 | | [illegible] |
| SA | 1551 | 40 SCT | 20 | | | 144 | 87 | 57 | 21 | 08 | | 007 | CB DSNT SE / 717 1900 | SH |
| | — | | | | | — | | | | | | — | BB RADAT 26156 | |
| SA | 1650 | 40 SCT | 20 | | | 140 | 88 | 58 | 21 | 04 | | 006 | CB SE MOVG N | SH |
| SA | 1752 | 40 SCT | 20 | | | 138 | 85 | 57 | 20 | 04 | | 005 | CB SE DSIPTD | SH |
| SA | 1852 | 250 SCT | 20 | | | 141 | 82 | 58 | 18 | 03 | | 006 | 503 1073 | SH |
| SA | 1952 | 250 -SCT | 20 | | | 144 | 77 | 63 | 04 | 05 | | 006 | | SH |
| SA | 2050 | 250 -SCT | 20 | | | 146 | 75 | 67 | 06 | 05 | | 007 | | SH |
| SA | 2151 | CLR | 20 | | | 149 | 74 | 67 | 07 | 02 | | 008 | 208 88 | SH |
| SA | 2250 | CLR | 20 | | | 152 | 73 | 66 | 09 | 05 | | 009 | | SH |
| SA | 2352 | CLR | 20 | | | 152 | 71 | 63 | 12 | 04 | | 009 | | SH |

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 NEVADA

DATE: 17 AUG 1984

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 52 | 26.680 | 70.4 | 67.2 | 86 | 0 | | | | | | | | | | | | | | | 0 | 1 | .010 | | | 00-01 |
| 01 50 | 26.680 | 72.0 | 64.2 | 66 | 0 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 50 | 26.670 | 71.0 | 64.2 | 70 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 54 | 26.660 | 71.1 | 62.9 | 65 | 0 | | | | | | | | | | | | | | | 0 | 8 | .020 | | | 03-04 |
| 04 53 | 26.670 | 68.5 | 65.0 | 84 | 3 | | | | | | | | | | | | | | | 1 | | | | | 04-05 |
| 05 53 | 26.670 | 69.8 | 65.0 | 78 | 2 | | | | | | | | | | | | | | | 1 | | | | | 05-06 |
| 06 52 | 26.680 | 74.0 | 66.8 | 70 | 0 | 0 | CI | 250 | | | | | | | | | | | | 0 | 2 | .020 | | | 06-07 |
| 07 53 | 26.685 | 79.2 | 67.8 | 58 | 0 | | | | | | | | | | | | | | | 0 | | | | | 07-08 |
| 08 57 | 26.690 | 82.3 | 66.5 | 45 | 0 | | | | | | | | | | | | | | | 0 | | | | | 08-09 |
| 09 57 | 26.690 | 84.4 | 67.6 | 45 | 0 | 0 | CU | 40 | 0 | CI | 250 | 0 | | | | | | | | 0 | 1 | .010 | | | 09-10 |
| 10 51 | 26.675 | 87.5 | 63.2 | 48 | 1 | | | | | | | | | | | | | | | 1 | | | | | 10-11 |
| 11 50 | 26.660 | 90.5 | 60.0 | 28 | 1 | | | | | | | | | | | | | | | 1 | | | | | 11-12 |
| 12 51 | 26.645 | 90.3 | 65.2 | 26 | 3 | 1 | CB | 40 | 1 | AC | 100 | 2 | 1 | CI | 250 | 3 | | | | 3 | 7 | .045 | | | 12-13 |
| 13 53 | 26.615 | 92.0 | 65.4 | 24 | 3 | | | | | | | | | | | | | | | 3 | | | | | 13-14 |
| 14 50 | 26.600 | 93.0 | 64.0 | 20 | 4 | | | | | | | | | | | | | | | 4 | | | | | 14-15 |
| 15 54 | 26.585 | 90.6 | 65.4 | 26 | 6 | 1 | CU | 50 | 1 | AC | 130 | 2 | 4 | CI | E200 | 6 | | | | 6 | 7 | .060 | | | 15-16 |
| 16 52 | 26.570 | 93.0 | 65.2 | 22 | 6 | | | | | | | | | | | | | | | 2 | | | | | 16-17 |
| 17 50 | 26.570 | 91.0 | 65.0 | 25 | 5 | | | | | | | | | | | | | | | 4 | | | | | 17-18 |
| 18 50 | 26.570 | 86.0 | 67.3 | 39 | 6 | 0 | CU | 50 | 4 | AC | 130 | 4 | 2 | CI | E200 | 6 | | | | 4 | 6 | .015 | | | 18-19 |
| 19 51 | 26.580 | 82.0 | 70.4 | 57 | 4 | | | | | | | | | | | | | | | 3 | | | | | 19-20 |
| 20 53 | 26.585 | 79.0 | 70.2 | 66 | 5 | | | | | | | | | | | | | | | 5 | | | | | 20-21 |
| 21 51 | 26.590 | 77.1 | 69.3 | 69 | 4 | 3 | AC | 130 | 1 | CI | 200 | 4 | | | | | | | | 3 | 2 | .020 | | | 21-22 |
| 22 49 | 26.590 | 75.3 | 67.0 | 66 | 6 | | | | | | | | | | | | | | | 2 | | | | | 22-23 |
| 23 53 | 26.590 | 73.0 | 66.2 | 71 | 7 | | | | | | | | | | | | | | | 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 0356 | | 0 | 0 | | 74 | 69 | | | | | | | | | | |
| | 0356 | 1 | 0 | 0 | 0 | 74 | 69 | | 0 | | | | | | | | |
| | 0956 | 2 | 0 | 0 | 0 | 84 | 67 | | 0 | | | | | | | | |
| | 1548 | 3 | 0 | 0 | 0 | 94 | 84 | | 0 | | | | | | | | |
| | 2147 | 4 | 0 | 0 | 0 | 93 | 77 | | 0 | | | | | | | | |
| | MID. | | 0 | 0 | 0 | 77 | 73 | | | | | | | | | | |

## STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0357 | 0956 | 1550 | 2149 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.660 | 26.670 | 26.585 | 26.590 |
| BAROGRAPH 64 | 26.670 | 26.675 | 26.585 | 26.595 |
| BAR. CORR. 65 | -.010 | -.005 | 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'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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 94 | 67 | 0 | 0 | 0 | 13 | NE | 0804 | | | | | 2 | 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: 0604P @ 1 Sec./ 2045P @ 1 Sec./ ± Sec.

1150P Co16 S/B143 1253P

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 **17 AUG 1984**

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 (00-36) (9) | WIND SPEED (Kts.) (10) | WIND GUSTS (Kts.) (11) | ALTIMETER SETTING (Ins.) (12) | REMARKS AND SUPPLEMENTAL CODED DATA (13) | OBSERVERS INITIALS (14) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0052 | CLR | 20 | | | 153 | 70 | 66 | 09 | 05 | | 010 | 103 | SH |
| SA | 0150 | CLR | 20 | | | 152 | 72 | 60 | 03 | 08 | | 010 | | SH |
| SA | 0250 | CLR | 20 | | | 148 | 71 | 61 | 07 | 04 | | 008 | | SH |
| SA | 0359 | CLR | 20 | | | 145 | 71 | 59 | 06 | 08 | | 008 | 807 69 RADAT 68141 | [illegible] |
| SA | 0453 | 250 - SCT | 20 | | | 149 | 69 | 63 | 11 | 05 | | 009 | FEW AC S | [illegible] |
| SA | 0553 | 250 - SCT | 20 | | | 149 | 70 | 63 | 18 | 03 | | 009 | FEW AC SW | [illegible] |
| SA | 0652 | CLR | 20 | | | 153 | 74 | 63 | 21 | 03 | | 010 | FEW CI / 207 1001 | [illegible] |
| SA | 0753 | CLR | 20 | | | 155 | 79 | 63 | 03 | 11 | | 011 | FEW CI | [illegible] |
| SA | 0857 | CLR | 20 | | | 155 | 82 | 59 | 02 | 10 | | 012 | FEW CU CI | [illegible] |
| SA | 0957 | CLR | 20 | | | 155 | 84 | 60 | 34 | 05 | | 011 | FEW CU CI / 103 1101 69 | [illegible] |
| SA | 1051 | 40 SCT | 20 | | | 150 | 88 | 48 | 27 | 04 | | 010 | | [illegible] |
| SA | 1150 | 40 SCT | 20 | | | 143 | 91 | 53 | 27 | 08 | | 008 | CBS | [illegible] |
| SA | 1251 | 40 SCT 100 SCT 250 SCT | 20 | | | 136 | 90 | 51 | 30 | 06 | | 006 | CBS / 915 1973 | [illegible] |
| SA | 1353 | 40 SCT 100 SCT 250 SCT | 20 | | | 124 | 92 | 50 | 31 | 06 | | 003 | CBS DSPTO | [illegible] |
| SA | 1450 | 50 SCT 100 SCT 250 SCT | 20 | | | 119 | 93 | 46 | 30 | 07 | | 001 | | [illegible] |
| SA | 1554 | 50 SCT 130 SCT E200 BKN | 20 | | | 114 | 91 | 51 | 18 | 05 | | 999 | 720 1273 94 | SH |
| | — | | — | | | — | | | | | | — | RADAT 37152 | — |
| SA | 1652 | 50 SCT 130 SCT 200 - BKN | 20 | | | 108 | 93 | 49 | 19 | 04 | | 997 | | SH |
| SA | 1750 | 130 SCT 200 SCT | 20 | | | 108 | 91 | 50 | 26 | 05 | | 997 | TCU S - SW | SH |
| SA | 1850 | 130 SCT E200 BKN | 20 | | | 110 | 86 | 58 | 24 | 02 | | 997 | 605 1272 | SH |
| SA | 1957 | 130 SCT 200 SCT | 20 | | | 112 | 82 | 65 | 09 | 05 | | 998 | | SH |
| SA | 2053 | 130 SCT 200 SCT | 20 | | | 114 | 79 | 67 | 10 | 03 | | 999 | | SH |
| SA | 2151 | 130 SCT 200 SCT | 20 | | | 115 | 77 | 66 | 06 | 03 | | 999 | 207 1071 94 | SH |
| SA | 2249 | 130 SCT 200 - BKN | 20 | | | 114 | 75 | 63 | 02 | 06 | | 999 | | SH |
| SA | 2353 | 200 - BKN | 20 | | | 114 | 73 | 63 | 02 | 07 | | 999 | FEW AC | SH |

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 $1s_nTTT$ $2s_nT_dT_dT_d$ $3P_0P_0P_0P_0$ 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 NEVADA**

DATE: 18 AUG 1984

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 54 | 26.585 | 75.0 | 66.4 | 65 | 5 | 1 | AC | 130 | 4 | CI | 200 | 5 | | | | | | | | 5 | 8 | .005 | | | 00-01 |
| 01 50 | 26.590 | 74.4 | 65.4 | 63 | 2 | | | | | | | | | | | | | | | 2 | | | | | 01-02 |
| 02 50 | 26.590 | 72.1 | 66.2 | 74 | 3 | | | | | | | | | | | | | | | 3 | | | | | 02-03 |
| 03 54 | 26.590 | 71.1 | 66.3 | 79 | 4 | 3 | AC | 100 | 1 | CI | 250 | 4 | | | | | | | | 4 | 1 | .005 | | | 03-04 |
| 04 57 | 26.605 | 71.0 | 66.0 | 78 | 7 | | | | | | | | | | | | | | | 7 | | | | | 04-05 |
| 05 55 | 26.620 | 72.5 | 67.2 | 77 | 9 | | | | | | | | | | | | | | | 9 | | | | | 05-06 |
| 06 55 | 26.630 | 74.0 | 67.5 | 73 | 9 | 4 | CB | 50 | 3 | AC | E100 | 7 | 2 | CI | 250 | 9 | | | | 9 | 2 | .040 | | | 06-07 |
| 07 55 | 26.635 | 76.9 | 67.5 | 67 | 9 | | | | | | | | | | | | | | | 9 | | | | | 07-08 |
| 08 50 | 26.650 | 77.5 | 68.5 | 69 | 10 | | | | | | | | | | | | | | | 10 | | | | | 08-09 |
| 09 59 | 26.660 | 82.8 | 67.7 | 47 | 9 | 3 | SC | 50 | 6 | AC | E150 | 9 | | | | | | | | 9 | 2 | .030 | | | 09-10 |
| 10 51 | 26.645 | 83.5 | 66.0 | 40 | 8 | | | | | | | | | | | | | | | 8 | | | | | 10-11 |
| 11 53 | 26.615 | 86.0 | 69.0 | 43 | 7 | | | | | | | | | | | | | | | 7 | | | | | 11-12 |
| 12 55 | 26.595 | 87.5 | 69.0 | 40 | 7 | 2 | CB | 50 | 4 | AC | E150 | 6 | 1 | CI | 250 | 7 | | | | 7 | 7 | .065 | | | 12-13 |
| 13 50 | 26.580 | 87.2 | 66.5 | 35 | 6 | | | | | | | | | | | | | | | 6 | | | | | 13-14 |
| 14 58 | 26.570 | 88.5 | 67.5 | 34 | 8 | | | | | | | | | | | | | | | 8 | | | | | 14-15 |
| 15 55 | 26.570 | 84.8 | 67.7 | 42 | 8 | 2 | CB | 50 | 3 | AC | 150 | 5 | 3 | CI | E250 | 8 | | | | 8 | 6 | .020 | | | 15-16 |
| 16 56 | 26.575 | 79.6 | 66.5 | 52 | 9 | | | | | | | | | | | | | | | 9 | | | | | 16-17 |
| 17 53 | 26.605 | 73.6 | 66.3 | 69 | 9 | | | | | | | | | | | | | | | 9 | | | | | 17-18 |
| 18 56 | 26.640 | 70.7 | 66.3 | 80 | 9 | 6 | CB | E50 | 4 | AC | 120 | 9 | | | | | | | | 9 | 2 | .010 | | | 18-19 |
| 19 50 | 26.645 | 69.2 | 65.0 | 81 | 9 | | | | | | | | | | | | | | | 9 | | | | | 19-20 |
| 20 50 | 26.635 | 69.1 | 65.1 | 81 | 10 | | | | | | | | | | | | | | | 10 | | | | | 20-21 |
| 21 51 | 26.635 | 68.0 | 65.0 | 86 | 10 | 3 | CUFRA | 35 | 7 | SC | E80 | 10 | | | | | | | | 10 | 8 | .005 | | | 21-22 |
| 22 50 | 26.625 | 69.1 | 64.1 | 77 | 10 | | | | | | | | | | | | | | | 10 | | | | | 22-23 |
| 23 50 | 26.625 | 68.7 | 66.2 | 88 | 10 | | | | | | | | | | | | | | | 10 | | | | | 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 0352 | | 0 | 0 | | 75 | 71 | | | | | | | | | | |
| | 0352 | 1 | 0 | 0 | 0 | 77 | 71 | | 0 | | | | | | | | |
| | 0957 | 2 | 0 | 0 | 0 | 83 | 69 | | 0 | | | | | | | | |
| | 1550 | 3 | 0 | 0 | 0 | 89 | 83 | | 0 | | | | | | | | |
| | 2146 | * | .16 | 0 | 0 | 85 | 68 | | 2 | | | | | | | | |
| | MID. | | 0 | 0 | 0 | 69 | 68 | | | | | | | | | | |

## STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0353 | 0958 | 1552 | 2148 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.590 | 26.660 | 26.570 | 26.635 |
| BAROGRAPH 64 | 26.595 | 26.660 | 26.575 | 26.635 |
| BAR. CORR. 65 | -.005 | ±0 | -.005 | ±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 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 89 | 68 | .16 | 0 | 0 | 22 | E | 1748 | | | | | 8 | 8 | | |

## WEATHER & OBSTRUCTIONS TO VISION

| TYPE 82 | BEGAN 83 | ENDED 84 | TYPE 86 | BEGAN 87 | ENDED 88 |
|---|---|---|---|---|---|
| T | 1454 | 1824 | | | |
| RW | 1720 | 2125 | | | |
| T | 2005 | 2045 | | | |

## 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: 0601P ✓ Sec. / 1850P ✓ Sec. / ± Sec.

0959P C/L 6 S/B 143 0959P
1255P C/L 13 S/B MUMT 1255P
1350P C/L 13 S/B MUMT END 1350P
1753/1753

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: 18 AUG 1984

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 | 0054 | 130 SCT 200 SCT | 20 | | | 111 | 75 | 62 | 01 | 06 | | 999 | 802 1071 | SH |
| SA | 0150 | 130 SCT 200 SCT | 20 | | | 113 | 74 | 61 | 11 | 04 | | 999 | | SH |
| SA | 0250 | 130 SCT 200 SCT | 20 | | | 114 | 72 | 63 | 02 | 05 | | 999 | | SH |
| SA | 0354 | 100 SCT 250 SCT | 20 | | | 116 | 71 | 64 | 01 | 05 | | 000 | DCNL DSNT LTG SE/ 102 1072 71 | A |
| SA | 0457 | E 100 BKN | 20 | | | 120 | 71 | 64 | 14 | 04 | | 003 | | A |
| SA | 0553 | 40 SCT E100 BKN 250 BKN | 20 | | | 126 | 73 | 65 | 06 | 04 | | 004 | CB SE-SW | A |
| SA | 0655 | 50 SCT E100 BKN 250 BKN | 20 | | | 133 | 74 | 65 | 30 | 06 | | 005 | CB SE RWU SE/214 1973 | A |
| SA | 0755 | E 50 BKN 100 BKN | 20 | | | 135 | 77 | 63 | 30 | 08 | | 006 | RWU S | A |
| SA | 0850 | E 50 BKN 100 OVC | 20 | | | 140 | 80 | 64 | 27 | 04 | | 007 | RWU ALQDS | A |
| SA | 0969 | 50 SCT E150 BKN | 20 | | | 143 | 83 | 61 | 29 | 03 | | 008 | 210 1570 69 | A |
| SA | 1057 | 50 SCT E150 BKN | 20 | | | 138 | 84 | 59 | 24 | 06 | | 009 | | A |
| SA | 1153 | 50 SCT E150 BKN | 20 | | | 126 | 86 | 61 | 24 | 13 | | 003 | | A |
| SA | 1255 | 50 SCT E150 BKN 250 BKN | 20 | | | 116 | 88 | 60 | 22 | 10 | | 001 | CBN-S MOVMT UNKN/ 722 1973 | A |
| SA | 1350 | 50 SCT 150 SCT E250 BKN | 20 | | | 111 | 89 | 56 | 24 | 13 | | 999 | CBN-S LTL MOVMT IND | A |
| RS | 1458 | 50 SCT 150 SCT E250 BKN | 20 | | T | 107 | 89 | 57 | 22 | 05 | | 998 | TB54 E MOVG W LTG IC CBN AND S MOVG W | A |
| SA | 1555 | 50 SCT 150 SCT E250 BKN | 20 | | T | 113 | 85 | 59 | 18 | 08 | | 997 | T E AND S MOVG N CB NE THRU S MOVGN RWU NE-E/608 1973 89 | SH |
| | — | | — | | | | | | | | | — | BADAT 65145 | — |
| SA | 1656 | 50 SCT E140 BKN | 20 | | T | 114 | 80 | 60 | 11 | 14 | | 998 | T NE MOVG N OCNL | SH |
| | — | | — | | | | | | | | | — | LTG IC CG RWU NE | |
| SP | 1725 | 50 SCT E120 OVC | 15 | | TRW- | | | | 06 | 10 | | 001 | T OVHD MOVG W FQT | SH |
| | — | | — | | | | | | | | | — | LTG IC CG RB20 | — |
| SA | 1753 | E50 BKN 120 BKN | 15 | | TRW- | 129 | 74 | 63 | 12 | 20 | | 002 | T OVHD MOVG NW | SH |
| | — | | — | | | | | | | | | — | FQT LTG IC CG RB20 | — |
| SP | 1830 | E50 BKN 120 BKN | 15 | | RW- | | | | 05 | 12 | | 005 | TE24 MOVD NW CB ALQDS | SH |
| SA | 1856 | E50 BKN 120 BKN | 15 | | RW- | 141 | 71 | 64 | 11 | 14 | | 005 | TE24 MOVD NW LTG CG NW | SH |
| | — | | — | | | | | | | | | — | 22401 196/ | — |
| SA | 1950 | E40 BKN 100 BKN | 15 | | RW- | 144 | 69 | 63 | 11 | 10 | | 006 | CB FQT LTG IC CG W-NW | SH |
| SP | 2006 | E40 BKN 100 BKN | 15 | | TRW- | | | | 12 | 13 | | 005 | TB03 OVHD MOVG NW | SH |
| | — | | — | | | | | | | | | — | OCNL LTG IC | — |
| RS | 2050 | E25 BKN 80 OVC | 10 | | RW- | 140 | 69 | 63 | 08 | 10 | | 005 | TB03 E45 MOVD NW | SH |
| SP | 2130 | E30 BKN 80 OVC | 15 | | | | | | 04 | 14 | | 005 | RE25 | SH |
| SA | 2151 | 35 SCT E80 OVC | 15 | | | 138 | 68 | 64 | 04 | 14 | | 005 | RE25/ 80 LIL 14// 89 | SH |
| SA | 2250 | 40 SCT E100 OVC | 20 | | | 132 | 69 | 62 | 08 | 04 | | 004 | | SH |
| SA | 2350 | 40 SCT E100 OVC | 20 | | | 131 | 69 | 65 | 11 | 07 | | 004 | | SH |

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

FM12-VII: IIiii iRixhVV Nddff 1snTTT 2snTdTdTd 3P0P0P0P0 4PPPP 5appp 6RRRtR 7wwW1W2 8NhCLCMCH

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: 19 AUG 1984

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 52 | 26.625 | 69.0 | 65.7 | 84 | 10 | 6 | Sc | E60 | 4 | Ac | 110 | 10 | | | | | | | | 10 | 6 | 0.10 | | | 00-01 |
| 01 50 | 26.620 | 68.8 | 66.2 | 88 | 10 | | | | | | | | | | | | | | | 10 | | | | | 01-02 |
| 02 53 | 26.610 | 69.0 | 65.8 | 85 | 10 | | | | | | | | | | | | | | | 10 | | | | | 02-03 |
| 03 54 | 26.600 | 70.0 | 66.3 | 83 | 10 | 5 | Sc | 80 | 6 | Ac | E100 | 10 | | | | | | | | 10 | 7 | .025 | | | 03-04 |
| 04 50 | 26.600 | 69.1 | 65.3 | 82 | 9 | | | | | | | | | | | | | | | 9 | | | | | 04-05 |
| 05 51 | 26.620 | 70.2 | 66.6 | 75 | 9 | | | | | | | | | | | | | | | 9 | | | | | 05-06 |
| 06 53 | 26.645 | 67.4 | 66.2 | 95 | 10 | 3 | Cu fra | 30 | 5 | CB | E50 | 8 | 2 | Ac | 100 | 10 | | | | 10 | 3 | .045 | | | 06-07 |
| 07 52 | 26.655 | 65.5 | 65.3 | 99 | 10 | | | | | | | | | | | | | | | 10 | | | | | 07-08 |
| 08 53 | 26.665 | 65.4 | 65.2 | 99 | 10 | | | | | | | | | | | | | | | 10 | | | | | 08-09 |
| 09 58 | 26.660 | 66.2 | 65.7 | 95 | 10 | 1 | F | – | 3 | Cu fra | 3 | 3 | 7 | Sc | E45 | 10 | | | | 10 | 1 | .015 | | | 09-10 |
| 10 51 | 26.645 | 66.0 | 65.1 | 96 | 10 | | | | | | | | | | | | | | | 10 | | | | | 10-11 |
| 11 52 | 26.640 | 66.9 | 65.6 | 94 | 10 | | | | | | | | | | | | | | | 10 | | | | | 11-12 |
| 12 54 | 26.630 | 67.0 | 65.6 | 94 | 10 | 3 | Cu fra | 20 | 6 | Sc | E45 | 9 | 1 | Ac | 100 | 10 | | | | 10 | 7 | .030 | | | 12-13 |
| 13 50 | 26.610 | 69.6 | 65.0 | 79 | 10 | | | | | | | | | | | | | | | 9 | | | | | 13-14 |
| 14 51 | 26.600 | 69.6 | 65.1 | 79 | 9 | | | | | | | | | | | | | | | 9 | | | | | 14-15 |
| 15 57 | 26.580 | 74.8 | 65.2 | 63 | 8 | 2 | Cu fra | 20 | 2 | Cu | 45 | 4 | 1 | Ac | 100 | 5 | 3 | Ci | E250 | 6 | 7 | .050 | | | 15-16 |
| 16 50 | 26.570 | 74.6 | 66.4 | 66 | 8 | | | | | | | | | | | | | | | 6 | | | | | 16-17 |
| 17 50 | 26.570 | 73.7 | 65.7 | 66 | 10 | | | | | | | | | | | | | | | 8 | | | | | 17-18 |
| 18 55 | 26.570 | 70.6 | 67.0 | 83 | 10 | 0 | Cu | 45 | 4 | Ac | 100 | 4 | 6 | Ci | E250 | 10 | | | | 7 | 6 | .010 | | | 18-19 |
| 19 51 | 26.590 | 69.5 | 67.4 | 90 | 10 | | | | | | | | | | | | | | | 5 | | | | | 19-20 |
| 20 52 | 26.595 | 69.0 | 67.3 | 92 | 10 | | | | | | | | | | | | | | | 5 | | | | | 20-21 |
| 21 50 | 26.605 | 68.6 | 67.6 | 96 | 10 | 10 | Ac | E100 | | | | | | | | | | | | 10 | 2 | .035 | | | 21-22 |
| 22 51 | 26.610 | 69.0 | 67.7 | 94 | 10 | | | | | | | | | | | | | | | 10 | | | | | 22-23 |
| 23 52 | 26.605 | 68.9 | 67.5 | 94 | 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 0347 | X | 0 | 0 | X | 70 | 67 | X | X | | | | | | X | | |
| | 0347 | 1 | 0 | 0 | 0 | 70 | 67 | | 1 | | | | | | | | |
| | 0948 | 2 | .83 | 0 | 0 | 70 | 64 | | 2 | | | | | | | | |
| | 1551 | 3 | .19 | 0 | 0 | 75 | 65 | | 2 | | | | | | | | |
| | 2146 | 4 | 0 | 0 | 0 | 75 | 68 | | 2 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 69 | 68 | X | X | | | | | | X | | |

## STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0353 | 0959 | 1555 | 2149 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.608 | 26.660 | 26.580 | 26.605 |
| BAROGRAPH 64 | 26.605 | 26.660 | 26.585 | 26.605 |
| BAR. CORR. 65 | -.003 | 0 | -.005 | 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 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 75 | 64 | 1.02 | 0 | 0 | 15 | NW | 0656 | | | | | 10 | 10 | | |

## WEATHER & OBSTRUCTIONS TO VISION

| TYPE 82 | BEGAN 83 | ENDED 84 | TYPE 86 | BEGAN 87 | ENDED 88 |
|---|---|---|---|---|---|
| T | 0546 | 0938 | | | |
| RW- | 0546 | 0615 | | | |
| RW | 0615 | 0805 | | | |
| R | 0805 | 1113 | | | |
| R- | 1113 | 1212 | | | |

## 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. ON FASTEST MILE M.P.H. ASSOCIATED DIRECTION TIME

TIME CHECK - CLOCK AT: 0802 ±2 Sec./ 1800 ±2 Sec./ ± Sec.

1557/1557

0653/0653 0752/0752 0943/0943 0551/RB46/1850 0958/RS/1851
1254/71019/1852

MF1-10B (1-82) SUPERSEDES MF1-10B (2-70) WHICH MAY BE USED.

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

MF 1-10A (1-82)

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

# SURFACE WEATHER OBSERVATIONS

STATION: **WSMO, DESERT ROCK NEVADA**

DATE: **19 AUG 1984**

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. SOURCE INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0052 | E60 BKN 110 OVC | 20 | | | 131 | 69 | 64 | 03 | 05 | | 004 | 603 147/ | SH |
| SA | 0150 | E60 BKN 110 OVC | 20 | | | 130 | 69 | 65 | 30 | 03 | | 003 | | SH |
| SA | 0253 | E60 BKN 110 OVC | 20 | | | 125 | 69 | 64 | 12 | 07 | | 002 | | SH |
| SA | 0354 | 80 SCT E100 OVC | 20 | | | 122 | 70 | 65 | 33 | 05 | | 001 | 708 147/ 67 20616 | RD |
| — | — | | — | | | — | | | | | | — | RADAT 99134 | — |
| SA | 0450 | 60 SCT 80 SCT E100 BKN | 20 | | | 126 | 69 | 64 | 04 | 06 | | 001 | CB S MOVMT 4NR CONL | RD |
| — | — | | — | | | — | | | | | | — | LGT IC | — |
| RS | 0551 | 50 SCT E60 BKN 100 BKN | 10 | | TRW- | 136 | 70 | 63 | 01 | 04 | | 003 | TB46 T W MOVC N | RD |
| — | — | | — | | | — | | | | | | — | CB S-N MOVC N RB46 | — |
| SA R | 0653 | 30 SCT E50 BKN 100 OVC | 7 | | TRW | 149 | 67 | 66 | 32 | 08 | | 006 | T OVHD MOVG N LTGIC | RD |
| — | — | | — | | | — | | | | | | — | /31528 197/ | — |
| SA R | 0752 | 20 SCT E50 OVC | 7 | | TRW | 155 | 66 | 65 | 22 | 02 | | 007 | T OVHD STNY | RD |
| SA | 0853 | 15 SCT E45 OVC | 5 | | TR | 158 | 65 | 65 | 19 | 03 | | 008 | | RD |
| SP SA | 0943 | 10 SCT E45 OVC | 5 | | R | | | | 32 | 08 | | 008 | TE38 | RD |
| RS SA | 0958 | -X 3 SCT E45 OVC | 7 | | R | 155 | 66 | 65 | 32 | 09 | | 008 | TE38 FL 5 /10583 | RD |
| — | — | | — | | | — | | | | | | — | 197// 64 | — |
| SA | 1051 | 25 SCT E45 OVC | 10 | | R | 151 | 66 | 65 | 30 | 06 | | 006 | | RD |
| SA | 1152 | 25 SCT E45 OVC | 10 | | R- | 149 | 67 | 65 | 24 | 05 | | 005 | | RD |
| SA | 1254 | 20 SCT E45 BKN 100 OVC | 15 | | | 144 | 67 | 65 | 21 | 06 | | 004 | RE12 /7018918 7/ | RD |
| SA | 1350 | 20 SCT E50 BKN 100 BKN 200 OVC | 20 | | | 136 | 70 | 63 | 27 | 06 | | 002 | | RD |
| SA | 1451 | 20 SCT 50 SCT E100 BKN 200 BKN | 20 | | | 134 | 74 | 63 | 36 | 03 | | 001 | | RD |
| SA | 1557 | 20 SCT 35 SCT 100 SCT E250 BKN | 20 | | | 120 | 75 | 60 | 23 | 06 | | 998 | 71719 1873 75 RADAT 88144 | CRD |
| SA | 1650 | 45 SCT 100 SCT E250 BKN | 20 | | | 117 | 75 | 63 | 20 | 06 | | 997 | TCU N SE | CRD |
| SA | 1750 | 45 SCT 100 SCT E250 OVC | 20 | | | 117 | 74 | 62 | 26 | 07 | | 997 | TCU N SE | CRD |
| SA | 1855 | 100 SCT E250 OVC | 20 | | | 120 | 71 | 65 | 31 | 03 | | 997 | TCU SE/603 1272 | CRD |
| SA | 1951 | 100 SCT 250-OVC | 20 | | | 129 | 70 | 66 | 31 | 03 | | 999 | | CRD |
| SA | 2052 | 100 SCT 250-OVC | 20 | | | 132 | 69 | 67 | 05 | 04 | | 000 | | CRD |
| SA | 2150 | E100 OVC | 20 | | | 136 | 69 | 67 | 19 | 04 | | 002 | 212 107/ 75 | CRD |
| SA | 2251 | E70 BKN 100 OVC | 20 | | | 137 | 69 | 67 | 07 | 04 | | 002 | | CRD |
| SA | 2352 | E70 OVC | 20 | | | 134 | 69 | 67 | 12 | 03 | | 002 | | CRD |

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: 20 AUG 1984

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 52 | 26.590 | 68.7 | 66.4 | 89 | 10 | 6 | Sc | E70 | 4 | Ci | 250 | 10 | | | | | | | | 7 | 8 | .015 | | | 00-01 |
| 01 50 | 26.600 | 68.0 | 65.8 | 90 | 10 | | | | | | | | | | | | | | | 8 | | | | | 01-02 |
| 02 50 | 26.590 | 67.1 | 65.6 | 92 | 10 | | | | | | | | | | | | | | | 7 | | | | | 02-03 |
| 03 56 | 26.590 | 66.8 | 65.4 | 93 | 7 | 3 | Sc | 50 | 2 | Ac | 100 | 5 | 2 | Ci | 200 | 7 | | | | 6 | 0 | .000 | | | 03-04 |
| 04 50 | 26.600 | 67.6 | 66.0 | 92 | 10 | | | | | | | | | | | | | | | 9 | | | | | 04-05 |
| 05 51 | 26.610 | 67.8 | 65.8 | 91 | 10 | | | | | | | | | | | | | | | 7 | | | | | 05-06 |
| 06 50 | 26.620 | 71.0 | 66.6 | 81 | 3 | 2 | Cu | 50 | 1 | Ac | 100 | 3 | 0 | Ci | 200 | 3 | | | | 2 | 2 | .030 | | | 06-07 |
| 07 51 | 26.630 | 72.1 | 66.4 | 75 | 6 | | | | | | | | | | | | | | | 5 | | | | | 07-08 |
| 08 50 | 26.635 | 75.0 | 66.2 | 64 | 6 | | | | | | | | | | | | | | | 6 | | | | | 08-09 |
| 09 51 | 26.630 | 75.2 | 65.6 | 61 | 6 | 6 | Cu | E50 | | | | | | | | | | | | 6 | 0 | .010 | | | 09-10 |
| 10 50 | 26.615 | 79.7 | 68.0 | 52 | 6 | | | | | | | | | | | | | | | 6 | | | | | 10-11 |
| 11 52 | 26.585 | 78.9 | 66.0 | 53 | 6 | | | | | | | | | | | | | | | 6 | | | | | 11-12 |
| 12 50 | 26.570 | 82.2 | 68.8 | 52 | 5 | 5 | CB | 65 | | | | | | | | | | | | 5 | 7 | .060 | | | 12-13 |
| 13 50 | 26.550 | 84.3 | 69.0 | 47 | 5 | | | | | | | | | | | | | | | 5 | | | | | 13-14 |
| 14 51 | 26.540 | 83.5 | 68.0 | 46 | 3 | | | | | | | | | | | | | | | 3 | | | | | 14-15 |
| 15 51 | 26.540 | 84.7 | 69.1 | 46 | 5 | 2 | CB | 65 | 3 | Ci | 250 | 5 | | | | | | | | 4 | 6 | .030 | | | 15-16 |
| 16 55 | 26.540 | 83.2 | 69.0 | 50 | 4 | | | | | | | | | | | | | | | 4 | | | | | 16-17 |
| 17 51 | 26.540 | 81.8 | 69.0 | 54 | 4 | | | | | | | | | | | | | | | 4 | | | | | 17-18 |
| 18 50 | 26.560 | 77.3 | 69.2 | 68 | 6 | 1 | CB | 65 | 5 | Ci | 250 | 6 | | | | | | | | 3 | 3 | .020 | | | 18-19 |
| 19 55 | 26.570 | 75.4 | 68.8 | 73 | 3 | | | | | | | | | | | | | | | 2 | | | | | 19-20 |
| 20 50 | 26.590 | 74.5 | 69.0 | 77 | 3 | | | | | | | | | | | | | | | 3 | | | | | 20-21 |
| 21 52 | 26.630 | 75.4 | 69.8 | 74 | 6 | 6 | CB | E50 | | | | | | | | | | | | 6 | 2 | .070 | | | 21-22 |
| 22 50 | 26.620 | 71.0 | 60.6 | 56 | 2 | | | | | | | | | | | | | | | 2 | | | | | 22-23 |
| 23 50 | 26.620 | 67.6 | 61.4 | 71 | 1 | | | | | | | | | | | | | | | 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 | 0 | X | 69 | 66 | X | X | | | | | | X | | |
| | 0346 | 1 | 0 | 0 | 0 | 69 | 66 | | 1 | | | | | | | | |
| | 0842 | 2 | 0 | 0 | 0 | 76 | 66 | | 0 | | | | | | | | |
| | 1547 | 3 | 0 | 0 | 0 | 85 | 75 | | 0 | | | | | | | | |
| | 2148 | 4 | 0 | 0 | 0 | 85 | 64 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 72 | 65 | X | X | | | | | | X | | |

STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0355 | 0950 | 1550 | 2151 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.595 | 26.630 | 26.540 | 26.630 |
| BAROGRAPH 64 | 26.595 | 26.635 | 26.545 | 26.640 |
| BAR. CORR. 65 | -.005 | -.005 | -.005 | -.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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 95 | 64 | 0 | 0 | 0 | 31 | SE | 2122 | | | | | 5 | 6 | | |

WEATHER & OBSTRUCTIONS TO VISION

| TYPE 82 | BEGAN 83 | ENDED 84 | TYPE 86 | BEGAN 87 | ENDED 88 |
|---|---|---|---|---|---|
| T | 1749 | 1835 | | | |
| T | 2040 | 2143 | | | |

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: 0753 ±2 Sec./ 1805 ±2 Sec./ ± Sec.

0951/ ALT 999 SB 004/1045

1850/1850 2042/2042 1850/TE35/2250 0951P/APP 003/1300-23

0356P/TEMP 67/1305-23

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: 20 AUG 1984

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 | 0052 | E70 BKN 250 OVC | 20 | | | 128 | 69 | 65 | 09 | 07 | | 999 | 805 1501 | CRD |
| SA | 0150 | E70 BKN 250 OVC | 20 | | | 132 | 68 | 65 | 02 | 07 | | 001 | | CRD |
| SA | 0250 | E70 BKN 250 OVC | 20 | | | 128 | 67 | 65 | 25 | 04 | | 999 | | CRD |
| SA | 0356 | 50 SCT 100 SCT E200 BKN | 20 | | | 123 | 68 | 65 | 04 | 06 | | 999 | 000 1551 66 20102 | RD |
| | | | | | | | T | | | | | | RADAT 69142 | |
| SA | 0450 | E50 BKN 200 OVC | 20 | | | 131 | 68 | 65 | 14 | 05 | | 001 | | RD |
| SA | 0551 | E50 BKN 200 OVC | 20 | | | 134 | 68 | 65 | 12 | 09 | | 002 | | RD |
| SA | 0650 | 50 SCT 100 SCT 200 SCT | 20 | | | 137 | 71 | 65 | 04 | 05 | | 003 | MTN TOPS OBS S/210 1151 | RD |
| SA | 0751 | 50 SCT E100 BKN | 20 | | | 142 | 72 | 64 | 27 | 07 | | 004 | TCU S-NW MTN TOPS OBS S | RD |
| SA | 0850 | 50 SCT E100 BKN | 20 | | | 141 | 75 | 62 | 27 | 06 | 004 | 005 | CB NW NE STNY | RD |
| SA | 0951 | E50 BKN | 20 | | | 141 | 75 | 61 | 22 | 03 | | 993 | TCU W/603 1200 66 | RD |
| SA | 1050 | E60 BKN | 20 | | | 132 | 80 | 63 | 22 | 04 | | 003 | 0 | RD |
| SA | 1152 | E60 BKN | 20 | | | 125 | 79 | 60 | 32 | 04 | | 000 | | RD |
| SA | 1250 | 65 SCT | 20 | | | 114 | 82 | 63 | 24 | 06 | | 998 | CB N MOVMT UNK/720 1900 | RD |
| SA | 1350 | 65 SCT | 20 | | | 105 | 84 | 62 | 16 | 06 | | 996 | CB N MOVMT UNK | RD |
| SA | 1451 | 65 SCT | 20 | | | 102 | 84 | 61 | 28 | 06 | | 994 | CB NW NE STNY | RD |
| SA | 1551 | 65 SCT 250 SCT | 20 | | | 101 | 85 | 62 | 25 | 08 | | 994 | CB ALQDS STNY/610 1903 | CRD |
| | | | | | | | | | | | | | 85 RADAT 54140 | |
| SA | 1655 | 65 SCT 250 SCT | 20 | | | 101 | 83 | 63 | 23 | 12 | | 994 | CB ALQDS | CRD |
| RS | 1751 | 65 SCT 250 SCT | 20 | | T | 104 | 82 | 63 | 22 | 07 | | 994 | T E-SE B49 RW E-SE | CRD |
| SP | 1836 | 65 SCT 250 SCT | 20 | | | | | | 20 | 05 | | 995 | T E35 DSIPTD | CRD |
| SA | 1850 | 65 SCT 250-BKN | 20 | | | 112 | 77 | 66 7 | 20 | 04 | | 996 | CB N-NE MOVMT UNK FQT | CRD |
| | | | | | | | | | | | | | LTGIC/307 1903 TE35 | |
| SA | 1955 | 65 SCT 250 SCT | 20 | | | 115 | 75 | 66 | 29 | 03 | | 997 | CB NE-E CONT LTGIC | CRD |
| SP | 2042 | 65 SCT | 20 | | T | | | | 34 | 07 | | 999 | T E B40 MOVG SWD CONT | CRD |
| ~~SA~~ | | | ~~20~~ | | ~~T~~ | | | | | | | | LTGICCC E | |
| SA | 2050 | 65 SCT | 20 | | T | 122 | 75 | 67 | 36 | 07 | | 999 | T E B40 MOVG SWD CONT | CRD |
| | | | | | | | | | | | | | LTGICCC E | |
| SP | 2112 | 50 SCT | 20 | | T | | | | 12 | 18 | | 002 | T SE MOVG S OCNL LTGICCC | CRD |
| | | | | | | | | | | | | | WSHFT 10 | |
| SP | 2143 | E50 BKN | 20 | | | | | | 11 | 18 | G28 | 004 | T E41 MOVD S OCNL LTGIC S | CRD |
| SA | 2152 | E50 BKN | 20 | | | 140 | 65 | 57 | 10 | 17 | G25 | 004 | T E41 MOVD S OCNL LTGIC S | CRD |
| | | | | | | | | | | | | | CB OVHD/224 1900 85 | |
| SA | 2250 | 50 SCT | 20 | | | 132 | 71 | 55 | 29 | 04 | | 003 | CB N S OCNL LTG N S | CRD |
| SA | 2350 | 250 SCT | 20 | | | 135 | 68 | 58 | 13 | 12 | | 003 | | CRD |

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$t_R$ 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 NEVADA

DATE: 21 AUG 1984

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 52 | 26.620 | 66.2 | 62.0 | 80 | 2 | 2 | Ci | 250 | | | | | | | | | | | | 2 | 6 | .010 | | | 00-01 |
| 01 50 | 26.620 | 66.0 | 60.9 | 76 | 2 | | | | | | | | | | | | | | | 2 | | | | | 01-02 |
| 02 50 | 26.620 | 65.6 | 61.0 | 78 | 1 | | | | | | | | | | | | | | | 1 | | | | | 02-03 |
| 03 52 | 26.620 | 65.4 | 61.0 | 79 | 1 | 1 | Ci | 250 | | | | | | | | | | | | 1 | 4 | .000 | | | 03-04 |
| 04 50 | 26.625 | 64.7 | 61.3 | 84 | 0 | | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 05 51 | 26.635 | 66.5 | 62.1 | 79 | 0 | | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 06 50 | 26.645 | 68.7 | 62.6 | 72 | 0 | 0 | Ci | 250 | | | | | | | | | | | | 0 | 2 | .025 | | | 06-07 |
| 07 50 | 26.650 | 73.0 | 65.0 | 66 | 0 | | | | | | | | | | | | | | | 0 | | | | | 07-08 |
| 08 52 | 26.655 | 76.8 | 65.3 | 55 | 0 | | | | | | | | | | | | | | | 0 | | | | | 08-09 |
| 09 55 | 26.660 | 78.0 | 66.5 | 56 | 0 | 0 | Cu | 60 | | | | | | | | | | | | 0 | 2 | .015 | | | 09-10 |
| 10 53 | 26.655 | 81.9 | 65.8 | 44 | 0 | | | | | | | | | | | | | | | 0 | | | | | 10-11 |
| 11 51 | 26.640 | 84.0 | 65.1 | 37 | 1 | | | | | | | | | | | | | | | 1 | | | | | 11-12 |
| 12 48 | 26.610 | 84.3 | 65.5 | 37 | 1 | 1 | CB | 70 | | | | | | | | | | | | 1 | 7 | .050 | | | 12-13 |
| 13 51 | 26.605 | 86.7 | 65.1 | 32 | 1 | | | | | | | | | | | | | | | 1 | | | | | 13-14 |
| 14 50 | 26.605 | 86.7 | 67.0 | 36 | 2 | | | | | | | | | | | | | | | 2 | | | | | 14-15 |
| 15 52 | 26.600 | 86.3 | 67.8 | 40 | 5 | 1 | CB | 70 | 4 | Ci | 250 | 5 | | | | | | | | 3 | 8 | .010 | | | 15-16 |
| 16 50 | 26.600 | 86.5 | 67.7 | 39 | 4 | | | | | | | | | | | | | | | 4 | | | | | 16-17 |
| 17 52 | 26.600 | 84.4 | 66.2 | 39 | 4 | | | | | | | | | | | | | | | 3 | | | | | 17-18 |
| 18 50 | 26.610 | 80.4 | 65.4 | 46 | 4 | 1 | CB | 70 | 3 | Ci | 250 | 4 | | | | | | | | 3 | 3 | .010 | | | 18-19 |
| 19 52 | 26.630 | 78.2 | 66.3 | 55 | 2 | | | | | | | | | | | | | | | 2 | | | | | 19-20 |
| 20 50 | 26.640 | 75.4 | 66.8 | 65 | 0 | | | | | | | | | | | | | | | 0 | | | | | 20-21 |
| 21 51 | 26.650 | 75.6 | 66.2 | 62 | 2 | 0 | CB | 70 | 2 | Ci | 250 | 2 | | | | | | | | 2 | 2 | .040 | | | 21-22 |
| 22 51 | 26.650 | 74.0 | 64.8 | 62 | 1 | | | | | | | | | | | | | | | 1 | | | | | 22-23 |
| 23 50 | 26.660 | 71.7 | 66.7 | 78 | 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 0347 | X | 0 | 0 | X | 68 | 64 | X | X | | | | | | X | | |
| | 0347 | 1 | 0 | 0 | 0 | 72 | 64 | | 0 | | | | | | | | |
| | 0946 | 2 | 0 | 0 | 0 | 80 | 64 | | 0 | | | | | | | | |
| | 1548 | 3 | 0 | 0 | 0 | 88 | 78 | | 0 | | | | | | | | |
| | 2147 | 4 | 0 | 0 | 0 | 87 | 74 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 76 | 71 | X | X | | | | | | X | | |

## STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0351 | 0754 | 1550 | 2150 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.620 | 26.660 | 26.600 | 26.650 |
| BAROGRAPH 64 | 26.630 | 26.660 | 26.600 | 26.645 |
| BAR. CORR. 65 | -.010 | 0 X | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 88 | 64 | 0 | 0 | 0 | 15 | SE | 0952 | | | | | 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: 1002 ±2 Sec./ 1805 ±2 Sec./ ± Sec.

CHANGED MICRO BAROGRAPH AND RESET TO ZERO 0954

0955/0955

0551P/TEMP 67/1315-23

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: 21 AUG 1984

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 (Hg.) (12) | REMARKS AND SUPPLEMENTAL CODED DATA (13) | OBSERVERS INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0052 | 250 SCT | 20 | | | 135 | 66 | 60 | 09 | 04 | | 003 | 603 1001 | CRD |
| SA | 0150 | 250 SCT | 20 | | | 132 | 66 | 56 | 10 | 07 | | 003 | | CRD |
| SA | 0250 | 250 SCT | 20 | | | 135 | 66 | 58 | 07 | 05 | | 003 | | CRD |
| SA | 0352 | 250 SCT | 20 | | | 135 | 65 | 59 | 34 | 03 | | 003 | 400 1001 64 RADAT 73140 | RD |
| SA | 0450 | CLR | 20 | | | 136 | 65 | 60 | 16 | 05 | | 004 | | RD |
| SA | 0551 | CLR | 20 | | | 140 | 67 | 60 | 31 | 04 | | 005 | | RD |
| SA | 0650 | CLR | 20 | | | 144 | 69 | 59 | 26 | 04 | | 006 | 208 1001 | RD |
| SA | 0750 | CLR | 20 | | | 145 | 73 | 61 | 03 | 04 | | 007 | | RD |
| SA | 0852 | CLR | 20 | | | 146 | 77 | 60 | 12 | 11 | | 007 | | RD |
| SA | 0955 | CLR | 20 | | 153 | ~~145~~ | 78 | 61 | 14 | 10 | | 008 | 205 1200 64 | RD |
| SA | 1053 | CLR | 20 | | | 144 | 82 | 58 | 13 | 12 | | 007 | TCU S NW | RD |
| SA | 1151 | 70 SCT | 20 | | | 139 | 84 | 55 | 14 | 10 | | 005 | CB S NW ~~AFE~~ STNY | RD |
| SA | 1248 | 70 SCT | 20 | | | 129 | 84 | 55 | 15 | 09 | | 002 | CB S NW STNY/717 1900 | RD |
| SA | 1351 | 70 SCT | 20 | | | 125 | 87 | 53 | 16 | 12 | | 002 | CB S NW STNY | RD |
| SA | 1450 | 70 SCT 200 SCT | 20 | | | 125 | 87 | 56 | 18 | 08 | | 002 | CB S STNY | RD |
| SA | 1552 | 70 SCT 250 SCT | 20 | | | 124 | 86 | 59 | 23 | 08 | | 001 | CB ALQDS/803 1901 88 | CRD |
| / | | | | | | | | | | | | | RADAT 47154 | / |
| SA | 1650 | 70 SCT 250 SCT | 20 | | | 123 | 87 | 59 | 15 | 07 | | 001 | CB ALQDS | CRD |
| SA | 1752 | 70 SCT 250 SCT | 20 | | | 123 | 84 | 57 | 14 | 06 | | 001 | CB ALQDS | CRD |
| SA | 1850 | 70 SCT 250 SCT | 20 | | | 130 | 80 | 58 | 10 | 06 | | 002 | CB S/303 1903 | CRD |
| SA | 1952 | 250 SCT | 20 | | | 136 | 78 | 61 | 33 | 04 | | 004 | | CRD |
| SA | 2050 | CLR | 20 | | | 141 | 75 | 63 | 02 | 03 | | 005 | | CRD |
| SA | 2151 | 250 SCT | 20 | | | 143 | 76 | 62 | 09 | 03 | | 006 | CB W OCNL LTGIC W/214 | CRD |
| / | | | | | | | | | | | | | 1903 88 | / |
| SA | 2251 | 250 SCT | 20 | | | 141 | 74 | 60 | 10 | 06 | | 006 | CB W OCNL LTGIC W | CRD |
| SA | 2350 | 60 SCT | 20 | | | 146 | 72 | 64 | 33 | 06 | | 007 | | CRD |

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 NEVADA**

DATE: **22 AUG 1984**

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 52 | 26.655 | 70.7 | 66.1 | 79 | 1 | 1 | Sc | 60 | | | | | | | | | | | | 1 | 0 | .005 | | | 00-01 |
| 01 52 | 26.655 | 71.1 | 63.7 | 68 | 1 | | | | | | | | | | | | | | | 1 | | | | | 01-02 |
| 02 50 | 26.660 | 69.8 | 63.0 | 69 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 52 | 26.670 | 68.4 | 63.4 | 77 | 0 | | | | | | | | | | | | | | | 0 | 3 | .015 | | | 03-04 |
| 04 57 | 26.690 | 67.6 | 63.1 | 79 | 1 | | | | | | | | | | | | | | | 1 | | | | | 04-05 |
| 05 53 | 26.690 | 68.6 | 63.3 | 76 | 1 | | | | | | | | | | | | | | | 1 | | | | | 05-06 |
| 06 59 | 26.710 | 74.2 | 64.1 | 59 | 1 | 0 | Cu | 60 | 0 | Ac | 80 | 0 | 0 | Ac | 130 | 0 | 1 | Ci | 250 | 1 | 1 | .040 | | | 06-07 |
| 07 57 | 26.710 | 79.0 | 64.6 | 47 | 2 | | | | | | | | | | | | | | | 2 | | | | | 07-08 |
| 08 52 | 26.710 | 80.2 | 64.8 | 45 | 2 | | | | | | | | | | | | | | | 2 | | | | | 08-09 |
| 09 54 | 26.710 | 82.0 | 66.3 | 45 | 5 | 1 | Cu | 80 | 4 | Cs | 250 | 5 | | | | | | | | 5 | 0 | .000 | | | 09-10 |
| 10 52 | 26.705 | 83.7 | 65.8 | 39 | 7 | | | | | | | | | | | | | | | 6 | | | | | 10-11 |
| 11 55 | 26.690 | 86.0 | 67.5 | 39 | 8 | | | | | | | | | | | | | | | 7 | | | | | 11-12 |
| 12 55 | 26.675 | 85.5 | 66.5 | 38 | 9 | 2 | Cu | 90 | 0 | Ac | 140 | 2 | 9 | Cs | E250 | 9 | | | | 7 | 8 | .035 | | | 12-13 |
| 13 56 | 26.650 | 85.4 | 66.8 | 39 | 10 | | | | | | | | | | | | | | | 8 | | | | | 13-14 |
| 14 51 | 26.630 | 86.5 | 66.5 | 36 | 10 | | | | | | | | | | | | | | | 7 | | | | | 14-15 |
| 15 52 | 26.620 | 87.0 | 66.9 | 36 | 10 | 2 | Cu | 90 | 8 | Cs | E250 | 10 | | | | | | | | 8 | 6 | .055 | | | 15-16 |
| 16 53 | 26.620 | 87.0 | 65.0 | 31 | 8 | | | | | | | | | | | | | | | 4 | | | | | 16-17 |
| 17 52 | 26.620 | 85.4 | 66.2 | 36 | 5 | | | | | | | | | | | | | | | 3 | | | | | 17-18 |
| 18 52 | 26.620 | 81.1 | 65.6 | 45 | 5 | 2 | Cu | 90 | 3 | Ac | 160 | 5 | 0 | Ci | 250 | 5 | | | | 4 | 4 | .000 | | | 18-19 |
| 19 52 | 26.630 | 79.0 | 66.6 | 54 | 3 | | | | | | | | | | | | | | | 3 | | | | | 19-20 |
| 20 52 | 26.640 | 77.7 | 66.2 | 56 | 3 | | | | | | | | | | | | | | | 3 | | | | | 20-21 |
| 21 52 | 26.645 | 76.4 | 66.0 | 59 | 5 | 1 | Cb | 80 | D | Sc | 90 | 1 | 4 | Cs | 250 | 5 | | | | 2 | 1 | .025 | | | 21-22 |
| 22 52 | 26.665 | 75.2 | 66.5 | 65 | 5 | | | | | | | | | | | | | | | 2 | | | | | 22-23 |
| 23 52 | 26.675 | 73.5 | 66.3 | 69 | 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 0347 | X | 0 | 0 | X | 72 | 67 | X | X | | | | | | X | | |
| | 0347 | 1 | 0 | 0 | 0 | 76 | 67 | | 0 | | | | | | | | |
| | 0950 | 2 | 0 | 0 | 0 | 82 | 67 | | 0 | | | | | | | | |
| | 1548 | 3 | 0 | 0 | 0 | 88 | 82 | | 0 | | | | | | | | |
| | 2148 | 4 | 0 | 0 | 0 | 88 | 76 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 77 | 74 | X | X | | | | | | X | | |

### STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0351 | 0953 | 1550 | 2150 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.670 | 26.710 | 26.620 | 26.645 |
| BAROGRAPH 64 | 26.660 | 26.705 | 26.620 | 26.630 |
| BAR. CORR. 65 | +.010 | +.005 | ±0.0 | +.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 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 88 | 67 | 0 | 0 | 0 | 22 | 5 | 1634 | | | | | 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-MIN. WIND SPEED M.P.H. OR FASTEST MILE M.P.H. | ASSOCIATED DIRECTION | TIME

TIME CHECK - CLOCK AT: 0507 P ① 1 Sec./ 2231 ② 1 Sec./ ± Sec.

0553/0553

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: **22 AUG 1984**

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 (100-36) (9) | WIND SPEED (Kts.) (10) | WIND CHARACTER (11) | ALTIMETER SETTING (Ins.) (12) | REMARKS AND SUPPLEMENTAL CODED DATA (13) | OBSERVERS INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0052 | 60 SCT | 20 | | | 144 | 71 | 64 | 08 | 03 | | 007 | FQT LTG DSNT NW/002 1500 | CRD |
| SA | 0152 | 60 SCT | 20 | | | 142 | 71 | 60 | 11 | 06 | | 007 | CCNL LTG DSNT NW | CRD |
| SA | 0250 | CLR | 20 | | | 144 | 70 | 59 | 10 | 05 | | 007 | FEW SC W | CRD |
| SA | 0352 | CLR | 20 | | | 148 | 68 | 61 | 10 | 04 | | 008 | 305 67 RADAT 72139 | JD |
| SA | 0457 | 80 SCT 130 SCT 250 SCT | 20 | | | 158 | 68 | 61 | 27 | 02 | | 011 | MDT CU SW | JD |
| SA | 0553 | 250 SCT | 20 | | | 157 | 69 | 61 | 32 | 03 | | 011 | FEW ~~MDT DSNT~~ DSNT MDT CU | JD |
| SA | 0659 | 250 SCT | 20 | | | 164 | 74 | 59 | 19 | 03 | | 013 | 114 1275 | JD |
| SA | 0757 | 80 SCT 250 SCT | 20 | | | 164 | 79 | 57 | 16 | 05 | | 013 | TCU DSNT W | JD |
| SA | 0852 | 80 SCT 250 SCT | 20 | | | 164 | 80 | 57 | 34 | 04 | | 013 | TCU SW-N | JD |
| SA | 0954 | 80 SCT 250 SCT | 20 | | | 164 | 82 | 58 | 15 | 09 | | 013 | TCU SW-N/ 000 1206 67 | JD |
| SA | 1052 | 90 SCT E250 BKN | 20 | | | 162 | 84 | 56 | 17 | 04 | | 013 | TCU DSNT SW | JD |
| SA | 1155 | 90 SCT E250 BKN | 20 | | | 156 | 86 | 58 | 14 | 04 | | 011 | | JD |
| SA | 1255 | 90 SCT 140 SCT E250 BKN | 20 | | | 150 | 86 | 57 | 11 | 05 | | 009 | TCU SW/ 812 1256 | JD |
| SA | 1356 | 90 SCT E250 OVC | 20 | | | 140 | 85 | 57 | 17 | 08 | | 006 | | JD |
| SA | 1451 | 90 SCT E250 OVC | 20 | | | 134 | 87 | 56 | 18 | 09 | | 004 | | JD |
| SA | 1552 | 90 SCT E 250 OVC | 20 | | | 130 | 87 | 57 | 18 | 05 | | 003 | 619 1208 88 | |
| | | | | | | | | | | | | | RADAT 45L 147152158 | WRG |
| SA | 1653 | 90 SCT 250 - BKN | 20 | | | 130 | 87 | 53 | 23 | 10 | | 003 | TCU SE THRU W | WRG |
| SA | 1752 | 90 SCT 250 SCT | 20 | | | 131 | 86 | 56 | 17 | 07 | | 003 | TCU DSNT NW | WRG |
| SA | 1852 | 90 SCT 160 SCT 250 SCT | 20 | | | 130 | 81 | 57 | 22 | 08 | | 003 | CB DSNT NW MOD D OCNL | |
| | | | | | | | | | | | | | LTGIC 400 1365 | WRG |
| SA | 1952 | 90 SCT 250 SCT | 20 | | | 134 | 79 | 61 | 13 | 07 | | 004 | CB DSNT NW THRU N MOD N FRT | |
| | | | | | | | | | | | | | LTGIC | WRG |
| SA | 2052 | 90 SCT 250 SCT | 20 | | | 136 | 76 | 61 | 13 | 05 | | 005 | CB DSNT NW THRU N MOD N OCNL | |
| | | | | | | | | | | | | | LTGIC | WRG |
| SA | 2152 | 80 SCT 90 SCT 250 - SCT | 20 | | | 138 | 76 | 61 | 12 | 08 | | 006 | CB DSNT NW THRU N MOD N OCNL | |
| | | | | | | | | | | | | | LTGIC 104 1304 88 | WRG |
| SA | 2252 | 90 SCT 250 - SCT | 20 | | | 145 | 75 | 62 | 01 | 04 | | 008 | CB DSNT NW MOD N OCNL LTGIC | WRG |
| SA | 2352 | 90 SCT | 20 | | | 150 | 74 | 63 | 03 | 05 | | 009 | CB DSNT NW MOD N OCNL LTGIC | 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 $1s_nTTT$ $2s_nT_dT_dT_d$ $3P_0P_0P_0P_0$ 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: 1984 AUG 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 52 | 26.675 | 74.0 | 64.1 | 60 | 2 | 2 | CB | 90 | | | | | | | | | | | | 2 | 1 | .036 | | | 00-01 |
| 01 52 | 26.670 | 71.7 | 63.6 | 65 | 1 | | | | | | | | | | | | | | | 1 | | | | | 01-02 |
| 02 52 | 26.670 | 72.0 | 61.0 | 55 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 52 | 26.670 | 71.3 | 61.2 | 57 | 0 | | | | | | | | | | | | | | | 0 | 6 | .005 | | | 03-04 |
| 04 54 | 26.670 | 70.7 | 61.0 | 59 | 0 | | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 05 53 | 26.670 | 71.3 | 61.0 | 57 | 0 | | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 06 53 | 26.670 | 75.2 | 62.6 | 51 | 0 | | | | | | | | | | | | | | | 0 | 4 | .000 | | | 06-07 |
| 07 52 | 26.670 | 77.2 | 64.5 | 51 | 0 | | | | | | | | | | | | | | | 0 | | | | | 07-08 |
| 08 51 | 26.670 | 82.2 | 65.8 | 43 | 0 | | | | | | | | | | | | | | | 0 | | | | | 08-09 |
| 09 52 | 26.660 | 83.6 | 64.7 | 37 | 0 | 0 | Cu | 80 | | | | | | | | | | | | 0 | 8 | .010 | | | 09-10 |
| 10 51 | 26.650 | 86.0 | 65.1 | 33 | 1 | | | | | | | | | | | | | | | 1 | | | | | 10-11 |
| 11 53 | 26.630 | 88.2 | 64.2 | 27 | 2 | | | | | | | | | | | | | | | 2 | | | | | 11-12 |
| 12 54 | 26.610 | 89.7 | 64.1 | 25 | 3 | 3 | Cu | 80 | 0 | Ci | 250 | 3 | | | | | | | | 3 | 8 | .050 | | | 12-13 |
| 13 52 | 26.585 | 91.1 | 65.1 | 25 | 3 | | | | | | | | | | | | | | | 3 | | | | | 13-14 |
| 14 50 | 26.560 | 91.0 | 64.8 | 24 | 3 | | | | | | | | | | | | | | | 3 | | | | | 14-15 |
| 15 52 | 26.555 | 90.2 | 64.9 | 26 | 3 | 2 | Cu | 60 | 1 | Ci | 250 | 3 | | | | | | | | 2 | 6 | .053 | | | 15-16 |
| 16 52 | 26.540 | 88.4 | 64.0 | 26 | 2 | | | | | | | | | | | | | | | 1 | | | | | 16-17 |
| 17 52 | 26.540 | 86.9 | 63.6 | 28 | 2 | | | | | | | | | | | | | | | 1 | | | | | 17-18 |
| 18 52 | 26.550 | 81.4 | 61.9 | 34 | 1 | 1 | SC | 80 | 0 | Ci | 250 | 1 | | | | | | | | 1 | 5 | .004 | | | 18-19 |
| 19 52 | 26.565 | 78.3 | 61.3 | 39 | 1 | | | | | | | | | | | | | | | 1 | | | | | 19-20 |
| 20 52 | 26.575 | 78.4 | 60.3 | 36 | 0 | | | | | | | | | | | | | | | 0 | | | | | 20-21 |
| 21 52 | 26.575 | 76.9 | 59.9 | 40 | 0 | 0 | Ci | 250 | | | | | | | | | | | | 0 | 1 | .025 | | | 21-22 |
| 22 52 | 26.570 | 76.6 | 59.1 | 35 | 0 | | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 23 52 | 26.560 | 76.2 | 58.7 | 36 | 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 0348 | | 0 | 0 | | 74 | 71 | | | | | | | | | | |
| | 0348 | 1 | 0 | 0 | 0 | 77 | 71 | | 0 | | | | | | | | |
| | 0949 | 2 | 0 | 0 | 0 | 84 | 69 | | 0 | | | | | | | | |
| | 1548 | 3 | 0 | 0 | 0 | 92 | 84 | | 0 | | | | | | | | |
| | 2148 | 4 | 0 | 0 | 0 | 90 | 76 | | 0 | | | | | | | | |
| | MID. | | 0 | 0 | 0 | 78 | 76 | | | | | | | | | | |

STATION PRESSURE COMPUTATIONS

| TIME (L.S.T.) 59 | 0351 | 0951 | 1550 | 2150 |
|---|---|---|---|---|
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.670 | 26.660 | 26.555 | 26.575 |
| BAROGRAPH 64 | 26.645 | 26.645 | 26.540 | 26.550 |
| BAR. CORR. 65 | +.025 | +.015 | +.015 | +.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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 92 | 69 | 0 | 0 | 0 | 25 | SW | 1347 | | | | | 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: 0456P Ⓒ | Sec./ 2231 Ⓒ | Sec./ ± Sec.

1153-1153 0152P/TEMP 72/1315P-23

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

STATION: WSMO, DESERT ROCK, NV

DATE: 1984 AUG 23

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) | CB. SERVER'S INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0052 | 90 SCT | 20 | | | 150 | 74 | 59 | 09 | 04 | | 009 | CB W AND DSNT N MOVY N | |
| | | | | | | | | | | | | | OCNL LTGIC 110 1300 | WRG |
| SA | 0152 | 90 SCT | 20 | | | 148 | 72 | 59 | 06 | 07 | | 008 | CB W MOVY N OCNL LTGIC | |
| | | | | | | | | | | | | | CB DSNT N MOVD N | WRG |
| SA | 0252 | CLR | 20 | | | 149 | 72 | 55 | 05 | 16 | | 004 | CB DSNT NW MOVY N OCNL LTGIC | WRG |
| SA | 0352 | CLR | 20 | | | 148 | 71 | 55 | 08 | 05 | | 008 | CB MOVD N/602 71 | |
| | | | | | | | | | | | | | RADAT 54140 | JD |
| SA | 0454 | CLR | 20 | | | 148 | 71 | 55 | 05 | 07 | | 008 | | JD |
| SA | 0553 | CLR | 20 | | | 148 | 71 | 55 | 03 | 09 | | 008 | | JD |
| SA | 0653 | CLR | 20 | | | 149 | 75 | 56 | 34 | 03 | | 008 | 400 | JD |
| SA | 0752 | CLR | 20 | | | 149 | 77 | 58 | 03 | 03 | | 008 | | JD |
| SA | 0851 | CLR | 20 | | | 147 | 82 | 57 | 13 | 07 | | 008 | | JD |
| SA | 0952 | CLR | 20 | | | 144 | 84 | 54 | 11 | 04 | | 007 | 803 1200 69 | JD |
| SA | 1051 | 80 SCT | 20 | | | 139 | 86 | 54 | 22 | 08 | | 006 | | JD |
| SA | 1153 | 80 SCT | 20 | | | 131 | 88 | 50 | 19 | 05 | G13 | 004 | | JD |
| SA | 1254 | 80 SCT 250 SCT | 20 | | | 122 | 90 | 49 | 24 | 14 | | 002 | 817 1105 | JD |
| SA | 1352 | 80 SCT 250 SCT | 20 | | | 113 | 91 | 50 | 23 | 14 | G25 | 999 | | JD |
| SA | 1450 | 80 SCT 250 SCT | 20 | | | 103 | 91 | 49 | 22 | 11 | G20 | 996 | | JD |
| SA | 1552 | 80 SCT 250 SCT | 20 | | | 102 | 90 | 50 | 24 | 10 | G18 | 996 | 619 1101 92 RADAT 20153 | WRG |
| SA | 1652 | 80 SCT 250 -SCT | 20 | | | 098 | 89 | 49 | 19 | 09 | | 994 | | WRG |
| SA | 1752 | 80 SCT 250 -SCT | 20 | | | 099 | 87 | 50 | 19 | 12 | | 994 | | WRG |
| SA | 1852 | 80 SCT 250 SCT | 20 | | | 101 | 81 | 50 | 17 | 07 | | 995 | 5 02 1405 | WRG |
| SA | 1952 | 80 SCT | 20 | | | 109 | 78 | 51 | 21 | 07 | | 997 | | WRG |
| SA | 2052 | CLR | 20 | | | 110 | 78 | 49 | 36 | 03 | | 998 | FCW CI SE | WRG |
| SA | 2152 | CLR | 20 | | | 111 | 76 | 49 | 09 | 07 | | 998 | 108 1005 92 | WRG |
| SA | 2252 | CLR | 20 | | | 107 | 77 | 47 | 09 | 06 | | 997 | FCW CI SE | WRG |
| SA | 2352 | CLR | 20 | | | 102 | 76 | 47 | 12 | 03 | | 996 | | WRG |

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

FM12-VII: IIiii $i_R i_x h$VV 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: 1984 AUG 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 | 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 52 | 26.555 | 73.3 | 58.2 | 41 | 0 | 0 | Cl | 250 | | | | | | | | | | | | 0 | 7 | .020 | | | 00-01 |
| 01 52 | 26.560 | 70.5 | 58.9 | 51 | 0 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 52 | 26.560 | 68.3 | 58.6 | 57 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 52 | 26.560 | 67.4 | 58.5 | 60 | 0 | | | | | | | | | | | | | | | 0 | 3 | .005 | | | 03-04 |
| 04 52 | 26.565 | 66.1 | 58.7 | 66 | 0 | | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 05 58 | 26.575 | 68.7 | 59.7 | 60 | 0 | | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 06 52 | 26.590 | 71.3 | 61.3 | 58 | 0 | 0 | Cu | 80 | 0 | C. | 250 | 0 | | | | | | | | 0 | 3 | .030 | | | 06-07 |
| 07 51 | 26.590 | 76.9 | 62.2 | 45 | 0 | | | | | | | | | | | | | | | 0 | | | | | 07-08 |
| 08 51 | 26.590 | 80.8 | 63.4 | 39 | 0 | | | | | | | | | | | | | | | 0 | | | | | 08-09 |
| 09 51 | 26.590 | 85.5 | 62.4 | 27 | 0 | 0 | Cu | 80 | 0 | Ci | 250 | 0 | | | | | | | | 0 | 0 | .000 | | | 09-10 |
| 10 57 | 26.570 | 87.8 | 61.1 | 21 | 0 | | | | | | | | | | | | | | | 0 | | | | | 10-11 |
| 11 55 | 26.555 | 89.7 | 60.6 | 17 | 0 | | | | | | | | | | | | | | | 0 | | | | | 11-12 |
| 12 53 | 26.530 | 90.2 | 60.9 | 17 | 0 | 0 | Cb | 80 | 0 | Ci | 250 | 0 | | | | | | | | 0 | 8 | .060 | | | 12-13 |
| 13 56 | 26.510 | 90.1 | 59.3 | 14 | 0 | | | | | | | | | | | | | | | 0 | | | | | 13-14 |
| 14 51 | 26.500 | 90.8 | 59.8 | 14 | 0 | | | | | | | | | | | | | | | 0 | | | | | 14-15 |
| 15 52 | 26.485 | 91.0 | 61.0 | 16 | 0 | 0 | CB | 80 | 0 | Ci | 250 | 0 | | | | | | | | 0 | 7 | .045 | | | 15-16 |
| 16 52 | 26.475 | 89.4 | 60.0 | 16 | 0 | | | | | | | | | | | | | | | 0 | | | | | 16-17 |
| 17 52 | 26.485 | 87.1 | 58.9 | 17 | 1 | | | | | | | | | | | | | | | 0 | | | | | 17-18 |
| 18 52 | 26.495 | 82.0 | 58.4 | 23 | 7 | 1 | CB | 80 | 7 | Ci | 250 | 7 | | | | | | | | 3 | 3 | .010 | | | 18-19 |
| 19 52 | 26.500 | 79.4 | 57.3 | 25 | 7 | | | | | | | | | | | | | | | 3 | | | | | 19-20 |
| 20 52 | 26.510 | 77.0 | 57.3 | 30 | 4 | | | | | | | | | | | | | | | 4 | | | | | 20-21 |
| 21 52 | 26.520 | 77.1 | 59.7 | 36 | 4 | 0 | CB | 80 | 8 | Cs | 250 | 8 | | | | | | | | 4 | 2 | .015 | | | 21-22 |
| 22 52 | 26.520 | 73.4 | 58.7 | 43 | 8 | | | | | | | | | | | | | | | 4 | | | | | 22-23 |
| 23 52 | 26.530 | 73.8 | 60.9 | 49 | 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 0348 | X | 0 | 0 | X | 76 | 65 | X | X | | | | | | X | | |
| | 0348 | 1 | 0 | 0 | 0 | 78 | 65 | | 0 | | | | | | | | |
| | 0947 | 2 | 0 | 0 | 0 | 86 | 65 | | 0 | | | | | | | | |
| | 1548 | 3 | 0 | 0 | 0 | 92 | 86 | | 0 | | | | | | | | |
| | 2148 | * | 0 | 0 | 0 | 91 | 76 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 77 | 73 | X | X | | | | | | X | | |

## STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0351 | 0950 | 1550 | 2150 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.560 | 26.590 | 26.485 | 26.520 |
| BAROGRAPH 64 | 26.570 | 26.575 | 26.480 | 26.485 |
| BAR. CORR. 65 | +.020 | +.015 | -.005 | +.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 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 92 | 65 | 0 | 0 | 0 | 26 | 5 | 1202 | | | | | 0 | 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 ① 1 Sec./ 2223 ② 1 Sec./ ± Sec.

0652P/APP 310/1020P-29

2152P/CLDS 1308/1020P-29

MF 1-10A
(1-82)

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

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: 1984 AUG 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 (00-36) (9) | WIND SPEED (Kts.) (10) | WIND CHARACTER (11) | ALTIMETER SETTING (Inches) (12) | REMARKS AND SUPPLEMENTAL CODED DATA (13) | OBSERVERS INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0052 | CLR | 20 | | | 101 | 73 | 48 | 11 | 06 | | 996 | 707 1005 | WRG |
| SA | 0152 | CLR | 20 | | | 104 | 71 | 52 | 10 | 03 | | 996 | | WRG |
| SA | 0252 | CLR | 20 | | | 106 | 68 | 53 | 05 | 05 | | 996 | | WRG |
| SA | 0352 | CLR | 20 | | | 106 | 67 | 53 | 34 | 03 | | 996 | 302 65 RADAT 30145 | JD |
| SA | 0452 | CLR | 20 | | | 109 | 66 | 54 | 14 | 05 | | 997 | | JD |
| SA | 0558 | CLR | 20 | | | 113 | 69 | 54 | 04 | 03 | | 998 | | JD |
| SA | 0652 | CLR | 20 | | | 119 | 71 | 56 | 03 | 04 | | 999 | 314 1101 | JD |
| SA | 0751 | CLR | 20 | | | 119 | 77 | 54 | 17 | 04 | | 999 | | JD |
| SA | 0851 | CLR | 20 | | | 116 | 81 | 54 | 33 | 03 | | 999 | | JD |
| SA | 0951 | CLR | 20 | | | 115 | 86 | 48 | 23 | 13 | | 999 | 000 1101 65 | JD |
| SA | 1051 | CLR | 20 | | | 106 | 88 | 43 | 20 | 12 G22 | | 997 | | JD |
| SA | 1155 | CLR | 20 | | | 100 | 90 | 39 | 20 | 18 G25 | | 996 | TCU DSNT SE | JD |
| SA | 1253 | CLR | 20 | | | 092 | 90 | 40 | 20 | 12 G23 | | 993 | CB DSNT SE/ 820 1903 | JD |
| SA | 1356 | CLR | 20 | | | 086 | 90 | 34 | 20 | 14 G20 | | 991 | CB DSNT SE | JD |
| SA | 1451 | CLR | 20 | | | 083 | 91 | 35 | 23 | 15 | | 990 | CB DSNT SE | JD |
| SA | 1552 | CLR | 20 | | | 078 | 91 | 39 | 21 | 11 | | 988 | *CB DSNT SE *715 1305 92 RADAT 20144 | WRG |
| SA | 1652 | CLR | 20 | | | 075 | 89 | 38 | 20 | 09 | | 987 | CB DSNT SE LTG MOUNT | WRG |
| SA | 1752 | 250 - SCT | 20 | | | 078 | 87 | 37 | 17 | 09 | | 988 | CB DSNT E MOUNT N | WRG |
| SA | 1852 | 40 SCT 250 - BKN | 20 | | | 082 | 82 | 41 | 15 | 09 | | 989 | *303 1304 *CB ~~DSNT E~~ | WRG |
| SA | 1952 | 80 SCT 250 - BKN | 20 | | | 084 | 79 | 40 | 13 | 10 | | 990 | CB DSNT E MOUNT N OCNL LTGIC | WRG |
| SA | 2052 | 80 SCT 250 - BKN | 20 | | | 087 | 77 | 43 | 00 | 00 | | 991 | CB NE MOUNT N FQT LTGIC | WRG |
| SA | 2152 | 250 - BKN | 20 | | | 086 | 77 | 46 | 18 | 05 | | 992 | CB NE MOUNT N 204 | |
| | | | | | | | | | | | | | 1304 92 | WRG |
| SA | 2252 | 250 - BKN | 20 | | | 089 | 73 | 49 | 34 | 07 | | 992 | | WRG |
| SA | 2352 | 250 - SCT | 20 | | | 091 | 74 | 53 | 31 | 05 | | 993 | | 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$t_R$ 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: 1984 AUG 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 52 | 26.530 | 69.9 | 59.9 | 57 | 2 | 2 | CS | 250 | | | | | | | | | | | | 1 | 1 | .010 | 5 | | 00-01 |
| 01 52 | 26.530 | 71.7 | 59.1 | 48 | 0 | | | | | | | | | | | | | | | 0 | | | 5 | | 01-02 |
| 02 56 | 26.530 | 70.4 | 57.5 | 54 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 53 | 26.540 | 71.1 | 60.0 | 54 | 0 | | | | | | | | | | | | | | | 0 | 3 | .010 | | | 03-04 |
| 04 53 | 26.560 | 66.9 | 59.2 | 65 | 0 | | | | | | | | | | | | | | | 0 | | | 5 | | 04-05 |
| 05 55 | 26.570 | 68.3 | 60.1 | 63 | 0 | | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 06 52 | 26.595 | 73.3 | 62.9 | 57 | 0 | 0 | C. | 250 | | | | | | | | | | | | 0 | 2 | .055 | 5 | | 06-07 |
| 07 54 | 26.610 | 76.7 | 62.9 | 48 | 1 | | | | | | | | | | | | | | | 0 | | | | | 07-08 |
| 08 51 | 26.610 | 80.0 | 63.7 | 42 | 1 | | | | | | | | | | | | | | | 1 | | | 5 | | 08-09 |
| 09 52 | 26.610 | 81.8 | 65.0 | 42 | 3 | 2 | Cu | 80 | 1 | Ci | 250 | 3 | | | | | | | | 2 | 1 | .015 | 5 | | 09-10 |
| 10 51 | 26.605 | 84.7 | 66.2 | 39 | 3 | | | | | | | | | | | | | | | 2 | | | 5 | | 10-11 |
| 11 55 | 26.580 | 84.2 | 66.1 | 39 | 6 | | | | | | | | | | | | | | | 6 | | | | | 11-12 |
| 12 55 | 26.565 | 87.7 | 64.5 | 28 | 4 | 3 | Cb | 80 | 0 | Ac | 150 | 3 | 1 | Ci | 250 | 4 | | | | 3 | 8 | .045 | | | 12-13 |
| 13 55 | 26.555 | 85.2 | 63.4 | 30 | 5 | | | | | | | | | | | | | | | 4 | | | 10 | | 13-14 |
| 14 50 | 26.560 | 84.2 | 63.5 | 32 | 10 | | | | | | | | | | | | | | | 6 | | | | | 14-15 |
| 15 52 | 26.560 | 82.4 | 60.9 | 29 | 10 | 6 | CB | E80 | 4 | CS | 250 | 10 | | | | | | | | 9 | 5 | .005 | | | 15-16 |
| 16 52 | 26.580 | 75.2 | 62.5 | 50 | 9 | | | | | | | | | | | | | | | 9 | | | | | 16-17 |
| 17 52 | 26.570 | 74.2 | 63.4 | 57 | 8 | | | | | | | | | | | | | | | 7 | | | | | 17-18 |
| 18 52 | 26.585 | 74.0 | 64.0 | 59 | 10 | 6 | CB | E80 | 4 | Ci | 250 | 10 | | | | | | | | 9 | 2 | .025 | | | 18-19 |
| 19 52 | 26.620 | 74.0 | 64.9 | 62 | 8 | | | | | | | | | | | | | | | 6 | | | | | 19-20 |
| 20 52 | 26.610 | 73.4 | 63.8 | 60 | 7 | | | | | | | | | | | | | | | 6 | | | | | 20-21 |
| 21 52 | 26.630 | 72.2 | 63.9 | 65 | 3 | 3 | Sc | 80 | 0 | Ci | 250 | 3 | | | | | | | | 3 | 2 | .045 | | | 21-22 |
| 22 52 | 26.650 | 70.3 | 63.5 | 70 | 0 | | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 23 50 | 26.660 | 69.4 | 63.0 | 71 | 1 | | | | | | | | | | | | | | | 1 | | | 5 | | 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 0349 | X | 0 | 0 | X | 74 | 68 | X | X | | | | | | X | | |
| | 0349 | 1 | 0 | 0 | 0 | 77 | 68 | | 0 | | | | | | | | |
| | 0949 | 2 | 0 | 0 | 0 | 82 | 66 | | 0 | | | | | | | | |
| | 1544 | 3 | 0 | 0 | 0 | 89 | 82 | | 0 | | | | | | | | |
| | 2148 | 4 | T | 0 | 0 | 82 | 72 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 72 | 69 | X | X | | | | | | X | | |

### STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0352 | 0951 | 1550 | 2150 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.540 | 26.610 | 26.560 | 26.630 |
| BAROGRAPH 64 | 26.510 | 26.590 | 26.560 | 26.630 |
| BAR. CORR. 65 | +.030 | +.020* | ±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 (Knots) 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 89 | 66 | T | 0 | 0 | 33 | SE | 1647 | | | | | 5 | 4 | | |

### WEATHER & OBSTRUCTIONS TO VISION

| TYPE 82 | BEGAN 83 | ENDED 84 | TYPE 86 | BEGAN 87 | ENDED 88 |
|---|---|---|---|---|---|
| T | 1227 | 1244 | | | |
| T | 1637 | 1715 | | | |
| Rw- | 1641 | 1707 | | | |

## 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: 0459P @ 1 Sec./ 2244 @ 1 Sec./ ± Sec.

1155-1155 1450-1450 1652/1652

1255/2355

*0953P changed Barograph 0 Corr.

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: 1984 AUG 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 MAX. (11) | ALTIMETER SETTING (Ins.) (12) | REMARKS AND SUPPLEMENTAL CODED DATA (13) | OBS. METHOD (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0052 | 250 - SCT | 20 | | | 093 | 70 | 54 | 02 | 05 | | 993 | 103 1008 | WRG |
| SA | 0152 | CLR | 20 | | | 092 | 72 | 51 | 05 | 05 | | 993 | FEW CS SE | WRG |
| SA | 0256 | CLR | 20 | | | 092 | 70 | 53 | 34 | 06 | | 993 | | WRG |
| SA | 0353 | CLR | 20 | | | 096 | 71 | 53 | 04 | 08 | | 994 | 303 68 RADAT 43131 | JD |
| SA | 0453 | CLR | 20 | | | 107 | 67 | 55 | 07 | 04 | | 996 | | JD |
| SA | 0555 | CLR | 20 | | | 110 | 68 | 55 | 11 | 05 | | 997 | | JD |
| SA | 0652 | CLR | 20 | | | 120 | 73 | 57 | 14 | 05 | | 000 | 219 1009 | JD |
| SA | 0754 | 250 - SCT | 20 | | | 125 | 77 | 55 | 03 | 03 | | 002 | | JD |
| SA | 0851 | 80 SCT 250 SCT | 20 | | | 125 | 80 | 55 | 08 | 03 | | 002 | MDT CU SE | JD |
| SA | 0952 | 80 SCT 250 SCT | 20 | | | 125 | 82 | 56 | 26 | 02 | | 002 | 105 1201 66 | JD |
| SA | 1051 | 80 SCT 150 SCT 250 SCT | 20 | | | 124 | 85 | 57 | 08 | 05 | | 002 | TCU NE SE AND NW | JD |
| SA | 1153 | 80 SCT E150 BKN 250 BKN | 20 | | | 114 | 84 | 57 | 21 | 14 | G23 | 998 | TCU ALQDS VIRGA NAE | JD |
| SP | 1230 | 80 SCT 150 SCT 250 SCT | 20 | | T | | | | 14 | 10 | | 998 | TB27 N MOVG N TCU ALQDS | / |
| | | | | | | | | | | | | | RWU N | JD |
| 7P | 1249 | 80 SCT 150 SCT 250 SCT | 20 | | | | | 1 | 18 | 10 | | 997 | TE44 AROUND N TCU ALQDS | JD |
| SA | 1255 | 80 SCT 150 SCT 250 SCT | 20 | | | 108 | 88 | 58 | 18 | 12 | | 997 | TB27 E44 CB N MOVG N | / |
| | | | | | | | | | | | | | TCU ALQDS/815 1963 | JD |
| SA | 1355 | 80 SCT 150 SCT 250 SCT | 20 | | | 104 | 85 | 50 | 14 | 10 | | 996 | CB N-SE MOVG N TCU ALQDS | JD |
| SA | 1450 | 80 SCT 150 SCT E250 OVC | 20 | | | 106 | 84 | 51 | 10 | 19 | G26 | 996 | CB N-SE MOVG N TCU | / |
| | | | | | | | | | | | | | ALQDS VIRGA SE WSHFT 2495 | JD |
| SA | 1552 | E80 BKN 250 OVC | 20 | | | 104 | 82 | 47 | 11 | 14 | G22 | 996 | CB ALQDS MOVG N VIRGA | / |
| | | | | | | | | | | | | | SE 902 1307 89 RADAT 51134 | WRG |
| SP | 1652 | E80 BKN 250 BKN | 20 | | TRW- | 124 | 75 | 55 | 13 | 20 | G33 | 998 | TB37 RB41 T SE MOVG | / |
| | | | | | | | | | | | | | N FQT LTGCG | WRG |
| SP | 1720 | E80 BKN 250 BKN | 20 | | | | | | 09 | 12 | | 996 | TE15 REC7 CB NE MOVG | / |
| | | | | | | | | | | | | | N RWU NE | WRG |
| SA | 1752 | E80 BKN 250 BKN | 20 | | | 114 | 74 | 59 | 10 | 14 | | 997 | TE15 REC7 CB ALQDS MOVG N | / |
| | | | | | | | | | | | | | RWU NE VIRGA SE | WRG |
| SA | 1852 | E80 BKN 250 OVC | 20 | | | 121 | 74 | 59 | 14 | 08 | | 999 | 20800 1902 | WRG |
| SA | 1952 | 80 SCT E250 BKN | 20 | | | 132 | 74 | 60 | 13 | 09 | | 003 | CBDSNT SW MOVG N FQLTGCG | WRG |
| SA | 2052 | 80 SCT E250 BKN | 20 | | | 126 | 73 | 59 | 12 | 05 | | 002 | CB MOVD N | WRG |
| SA | 2152 | 80 SCT 250 SCT | 20 | | | 135 | 72 | 60 | 07 | 05 | | 004 | 21500 1405 89 | WRG |
| SA | 2252 | CLR | 20 | | | 141 | 70 | 60 | 09 | 05 | | 006 | FEW CS N | WRG |
| SA | 2350 | 80 SCT | 20 | | | 145 | 69 | 60 | 03 | 05 | | 007 | | 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 $1s_nTTT$ $2s_nT_dT_dT_d$ $3P_oP_oP_oP_o$ 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: 1984 AUG 26

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 O. PAQUE SKY COVER 36 | PRESSURE TENDENCY 37 | NET 3 HR. CHANGE (Ins.) 38 | SUNSHINE (Min.) 39 | PRECIPITATION (Ins.) 40 | HR. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00 52 | 26.660 | 67.6 | 62.9 | 77 | 1 | 1 | Sc | 60 | | | | | | | | | | | | 1 | 1 | .030 | | | 00-01 |
| 01 52 | 26.660 | 67.7 | 62.1 | 75 | 1 | | | | | | | | | | | | | | | 1 | | | | | 01-02 |
| 02 52 | 26.660 | 69.4 | 61.6 | 67 | 1 | | | | | | | | | | | | | | | 1 | | | | | 02-03 |
| 03 53 | 26.665 | 66.6 | 61.9 | 78 | 1 | 1 | Sc | 80 | | | | | | | | | | | | 1 | 3 | .005 | | | 03-04 |
| 04 51 | 26.680 | 65.8 | 61.5 | 79 | 0 | | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 05 56 | 26.690 | 67.6 | 62.5 | 76 | 0 | | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 06 50 | 26.700 | 72.8 | 68.7 | 62 | 0 | 0 | cu | 80 | | | | | | | | | | | | 0 | 2 | .035 | | | 06-07 |
| 07 55 | 26.720 | 75.7 | 64.0 | 54 | 2 | | | | | | | | | | | | | | | 2 | | | | | 07-08 |
| 08 49 | 26.720 | 79.2 | 65.3 | 49 | 2 | | | | | | | | | | | | | | | 2 | | | | | 08-09 |
| 09 54 | 26.720 | 83.3 | 66.5 | 42 | 3 | 3 | cu | 80 | | | | | | | | | | | | 3 | 1 | .020 | | | 09-10 |
| 10 52 | 26.710 | 84.6 | 66.0 | 38 | 5 | | | | | | | | | | | | | | | 5 | | | | | 10-11 |
| 11 55 | 26.700 | 84.0 | 65.7 | 39 | 8 | | | | | | | | | | | | | | | 8 | | | | | 11-12 |
| 12 55 | 26.690 | 85.5 | 66.3 | 37 | 8 | 8 | cu | 680 | | | | | | | | | | | | 8 | 7 | .030 | | | 12-13 |
| 13 54 | 26.665 | 85.3 | 66.6 | 39 | 8 | | | | | | | | | | | | | | | 8 | | | | | 13-14 |
| 14 51 | 26.660 | 85.3 | 66.5 | 38 | 9 | | | | | | | | | | | | | | | 8 | | | | | 14-15 |
| 15 55 | 26.650 | 84.3 | 66.5 | 40 | 9 | 3 | CB | 80 | 6 | Ci | E250 | 9 | | | | | | | | 7 | 6 | .040 | | | 15-16 |
| 16 52 | 26.640 | 85.4 | 65.7 | 36 | 9 | | | | | | | | | | | | | | | 6 | | | | | 16-17 |
| 17 50 | 26.630 | 85.0 | 65.5 | 36 | 8 | | | | | | | | | | | | | | | 5 | | | | | 17-18 |
| 18 52 | 26.640 | 79.7 | 65.8 | 49 | 1 | 0 | cu | 80 | 1 | Ci | 250 | 1 | | | | | | | | 1 | 5 | .010 | | | 18-19 |
| 19 52 | 26.660 | 77.5 | 65.8 | 55 | 0 | | | | | | | | | | | | | | | 0 | | | | | 19-20 |
| 20 50 | 26.670 | 76.3 | 66.3 | 60 | 0 | | | | | | | | | | | | | | | 0 | | | | | 20-21 |
| 21 53 | 26.680 | 75.8 | 65.0 | 57 | 0 | 0 | cu | 80 | | | | | | | | | | | | 0 | 1 | .040 | | | 21-22 |
| 22 51 | 26.680 | 74.5 | 65.6 | 64 | 2 | | | | | | | | | | | | | | | 2 | | | | | 22-23 |
| 23 51 | 26.680 | 71.6 | 65.5 | 73 | 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 0346 | X | 0 | 0 | X | 70 | 65 | X | X | | | | | | X | | |
| | 0346 | 1 | 0 | 0 | 0 | 72 | 65 | | 0 | | | | | | | | |
| | 0950 | 2 | 0 | 0 | 0 | 85 | 65 | | 0 | | | | | | | | |
| | 1550 | 3 | 0 | 0 | 0 | 86 | 83 | | 0 | | | | | | | | |
| | 2149 | 4 | 0 | 0 | 0 | 85 | 76 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 76 | 72 | X | X | | | | | | X | | |

## STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0352 | 0653 | 1551 | 2150 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.665 | 26.720 | 26.650 | 26.680 |
| BAROGRAPH 64 | 26.665 | 26.720 | 26.650 | 26.680 |
| BAR. CORR. 65 | ±0 | ±0 | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 86 | 65 | 0 | 0 | 0 | 18 | SE | 1455 | | | | | 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: 0652P @ 1 Sec. / 2200 @ 1 Sec. / ± Sec.

MF1-10A
(1-82)

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

STATION: WSMO, DESERT ROCK, NV

DATE: 1984 AUG 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. (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. INTERVAL INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0052 | 80 SCT | 20 | | | 145 | 64 | 60 | 12 | 03 | | 007 | 110 1400 | WRG |
| SA | 0152 | 80 SCT | 20 | | | 146 | 66 | 59 | 03 | 04 | | 007 | | WRG |
| SA | 0252 | 80 SCT | 20 | | | 145 | 69 | 59 | 04 | 06 | | 007 | | WRG |
| SA | 0353 | 80 SCT | 20 | | | 151 | 67 | 59 | 06 | 05 | | 008 | 302 1500 65 RADAT 54136 | OB |
| SA | 0451 | CLR | 20 | | | 161 | 66 | 59 | 35 | 03 | | 010 | | OB |
| SA | 0556 | CLR | 20 | | | 165 | 68 | 60 | 23 | 02 | | 011 | FEW OV SCS | OB |
| SA | 0650 | CLR | 20 | | | 165 | 73 | 59 | 03 | 04 | | 012 | 212 1200 | OB |
| SA | 0755 | 80 SCT | 20 | | | 171 | 76 | 58 | 10 | 02 | | 014 | | OB |
| SA | 0849 | 80 SCT | 20 | | | 168 | 79 | 58 | 35 | 02 | | 014 | | OB |
| SA | 0954 | 80 SCT | 20 | | | 168 | 83 | 58 | 14 | 06 | | 014 | 107 1200 65 | OB |
| SA | 1052 | 80 SCT | 20 | | | 164 | 85 | 56 | 31 | 05 | | 013 | | OB |
| SA | 1155 | E80 BKN | 20 | | | 161 | 84 | 56 | 19 | 02 | | 012 | | OB |
| SA | 1255 | E80 BKN | 20 | | | 157 | 86 | 56 | 13 | 05 | | 011 | 710 1200 | OB |
| SA | 1354 | E80 BKN | 20 | | | 148 | 85 | 57 | 13 | 07 | | 008 | | OB |
| SA | 1451 | E80 BKN 250 BKN | 20 | | | 145 | 84 | 57 | 13 | 08 | | 007 | | OB |
| SA | 1555 | 80 SCT E250 BKN | 20 | | | 143 | 84 | 58 | 13 | 12 | | 006 | CB N-SE/614 1303 86 | EP |
| | | | | | | | | | | | | | RADAT 95137 | |
| SA | 1652 | 80 SCT E250 BKN | 20 | | | 139 | 85 | 55 | 12 | 06 | | 005 | CB SE | EP |
| SA | 1750 | E250 BKN | 20 | | | 135 | 85 | 55 | 13 | 07 | | 004 | CB SE | EP |
| SA | 1852 | 250 SCT | 20 | | | 137 | 80 | 59 | 12 | 08 | | 005 | TCU W DSNT SW/503 1203 | EP |
| SA | 1952 | CLR | 20 | | | 146 | 78 | 60 | 12 | 11 | | 007 | OCNL LTG DSNT SE | EP |
| SA | 2050 | CLR | 20 | | | 149 | 76 | 62 | 09 | 04 | | 008 | | EP |
| SA | 2153 | CLR | 20 | | | 151 | 76 | 60 | 01 | 04 | | 010 | 114 1100 86 | EP |
| SA | 2251 | 80 SCT | 20 | | | 151 | 75 | 61 | 05 | 03 | | 010 | | EP |
| SA | 2351 | 80 SCT | 20 | | | 152 | 72 | 63 | 36 | 04 | | 010 | | 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$t_R$ 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: 27 AUG 1984

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 | 26.680 | 71.2 | 64.7 | 72 | 0 | 0 | Sc | 80 | | | | | | | | | | | | 0 | 4 | .000 | | | 00-01 |
| 01 50 | 26.680 | 68.9 | 63.3 | 74 | 0 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 50 | 26.680 | 67.7 | 63.9 | 82 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 56 | 26.680 | 67.4 | 63.9 | 83 | 0 | | | | | | | | | | | | | | | 0 | 4 | .000 | | | 03-04 |
| 04 55 | 26.700 | 67.3 | 62.0 | 80 | 1 | | | | | | | | | | | | | | | 1 | | | | | 04-05 |
| 05 54 | 26.710 | 69.3 | 63.9 | 76 | 0 | | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 06 51 | 26.720 | 73.0 | 65.0 | 66 | 0 | | | | | | | | | | | | | | | 0 | 1 | .040 | | | 06-07 |
| 07 57 | 26.720 | 79.2 | 65.5 | 49 | 0 | | | | | | | | | | | | | | | 0 | | | | | 07-08 |
| 08 50 | 26.720 | 87.9 | 66.2 | 45 | 0 | | | | | | | | | | | | | | | 0 | | | | | 08-09 |
| 09 54 | 26.720 | 86.3 | 65.8 | 34 | 0 | 0 | CU | 80 | | | | | | | | | | | | 0 | 4 | .000 | | | 09-10 |
| 10 56 | 26.710 | 87.9 | 63.5 | 26 | 0 | | | | | | | | | | | | | | | 0 | | | | | 10-11 |
| 11 51 | 26.700 | 89.1 | 62.5 | 22 | 1 | | | | | | | | | | | | | | | 1 | | | | | 11-12 |
| 12 55 | 26.680 | 91.0 | 63.5 | 22 | 1 | 1 | CU | 80 | | | | | | | | | | | | 1 | 8 | .040 | | | 12-13 |
| 13 49 | 26.670 | 91.9 | 63.9 | 21 | 2 | | | | | | | | | | | | | | | 2 | | | | | 13-14 |
| 14 49 | 26.650 | 90.1 | 68.8 | 23 | 2 | | | | | | | | | | | | | | | 2 | | | | | 14-15 |
| 15 53 | 26.635 | 91.2 | 63.1 | 20 | 1 | 1 | CU | 80 | | | | | | | | | | | | 1 | 8 | .045 | | | 15-16 |
| 16 55 | 26.630 | 90.6 | 63.2 | 21 | 1 | | | | | | | | | | | | | | | 1 | | | | | 16-17 |
| 17 50 | 26.630 | 87.2 | 64.0 | 28 | 0 | | | | | | | | | | | | | | | 0 | | | | | 17-18 |
| 18 51 | 26.640 | 82.0 | 62.0 | 33 | 0 | 0 | CU | 80 | 0 | CI | 250 | 0 | | | | | | | | 0 | 3 | .005 | | | 18-19 |
| 19 50 | 26.660 | 79.8 | 61.5 | 36 | 0 | | | | | | | | | | | | | | | 0 | | | | | 19-20 |
| 20 50 | 26.680 | 79.8 | 61.0 | 34 | 0 | | | | | | | | | | | | | | | 0 | | | | | 20-21 |
| 21 52 | 26.690 | 76.7 | 60.9 | 41 | 0 | 0 | CI | 250 | | | | | | | | | | | | 0 | 1 | .050 | | | 21-22 |
| 22 51 | 26.690 | 72.3 | 60.8 | 53 | 0 | | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 23 50 | 26.690 | 71.0 | 60.0 | 54 | 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 0332 | X | 0 | 0 | X | 72 | 67 | X | X | | | | | | X | | |
| | 0332 | 1 | 0 | 0 | 0 | 76 | 67 | | 0 | | | | | | | | |
| | 0850 | 2 | 0 | 0 | 0 | 87 | 65 | | 0 | | | | | | | | |
| | 1549 | 3 | 0 | 0 | 0 | 93 | 86 | | 0 | | | | | | | | |
| | 2148 | 4 | 0 | 0 | 0 | 91 | 77 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 77 | 71 | X | X | | | | | | X | | |

## STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0325 | 0923 | 1550 | 2149 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.680 | 26.720 | 26.635 | 26.690 |
| BAROGRAPH 64 | 26.680 | 26.720 | 26.635 | 26.670 |
| BAR. CORR. 65 | +0 | +0 | 0 | +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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 93 | 65 | 0 | 0 | 0 | 22 | SW | 1450 | | | | | 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: 1340P ±1 Sec./ 2100 ±1 Sec./ ± Sec.

0651/114/0755

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: 27 AUG 1984

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 GUSTS (Kts.) (11) | ALTIMETER SETTING (Tens) (12) | REMARKS AND SUPPLEMENTAL CODED DATA (13) | OBSERVER INITIALS (14) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0051 | CLR | 20 | | | 152 | 71 | 62 | 03 | 05 | | 010 | 400 1400 | EP |
| SA | 0150 | CLR | 20 | | | 154 | 69 | 60 | 05 | 06 | | 010 | | EP |
| SA | 0250 | CLR | 20 | | | 154 | 68 | 62 | 00 | 00 | | 010 | | EP |
| SA | 0356 | CLR | 20 | | | 155 | 67 | 62 | 02 | 04 | | 010 | 400 61 RAOAT 30144 | EP |
| SA | 0455 | 80 SCT | 20 | | | 161 | 67 | 61 | 03 | 02 | | 012 | | EP |
| SA | 0554 | CLR | 20 | | | 165 | 69 | 61 | 06 | 04 | | 013 | | EP |
| SA | 0651 | CLR | 20 | | | 169 | 73 | 61 | 32 | 03 | | 014 | 114 COR 1555 | EP |
| SA | 0751 | CLR | 20 | | | 166 | 79 | 59 | 32 | 02 | | 014 | | EP |
| SA | 0850 | CLR | 20 | | | 167 | 82 | 58 | 33 | 02 | | 014 | | EP |
| SA | 0954 | CLR | 20 | | | 165 | 86 | 55 | 25 | 06 | | 014 | 400 1100 65 | EP |
| SA | 1056 | CLR | 20 | | | 161 | 88 | 49 | 27 | 09 G17 | | 013 | | EP |
| SA | 1151 | 80 SCT | 20 | | | 157 | 89 | 45 | 23 | 10 G19 | | 012 | | EP |
| SA | 1255 | 80 SCT | 20 | | | 150 | 91 | 46 | 23 | 11 G19 | | 010 | 814 1100 | EP |
| SA | 1349 | 80 SCT | 20 | | | 146 | 92 | 46 | 22 | 14 G21 | | 008 | | EP |
| SA | 1449 | 80 SCT | 20 | | | 140 | 90 | 47 | 22 | 13 G21 | | 006 | | EP |
| SA | 1553 | 80 SCT | 20 | | | 134 | 91 | 45 | 21 | 08 | | 004 | TCU OSNT SE/815 1200 93 | EP |
| | | | | | | | | | | | | | RADAT 40142 | |
| SA | 1655 | 80 SCT 250 SCT | 20 | | | 133 | 91 | 46 | 22 | 11 | | 004 | | EP |
| SA | 1750 | CLR | 20 | | | 133 | 87 | 50 | 20 | 07 | | 004 | | EP |
| SA | 1851 | CLR | 20 | | | 137 | 82 | 50 | 15 | 07 | | 005 | 302 1201 | EP |
| SA | 1950 | CLR | 20 | | | 143 | 80 | 50 | 12 | 09 | | 007 | | EP |
| SA | 2050 | CLR | 20 | | | 150 | 80 | 49 | 11 | 08 | | 010 | | EP |
| SA | 2152 | CLR | 20 | | | 153 | 77 | 51 | 08 | 05 | | 011 | 117 1001 93 | EP |
| SA | 2251 | CLR | 20 | | | 155 | 72 | 54 | 32 | 03 | | 011 | | EP |
| SA | 2350 | CLR | 20 | | | 155 | 71 | 53 | 06 | 05 | | 011 | | 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: 28 AUG 1984

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 | 26.690 | 70.8 | 60.2 | 55 | 0 | | | | | | | | | | | | | | | 0 | 4 | .000 | | | 00-01 |
| 01 50 | 26.690 | 69.8 | 59.8 | 57 | 0 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 53 | 26.700 | 67.8 | 60.0 | 65 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 55 | 26.700 | 67.1 | 59.8 | 67 | 0 | 0 | AC | 160 | | | | | | | | | | | | 0 | 2 | .010 | | | 03-04 |
| 04 53 | 26.700 | 67.6 | 59.[illegible] | 63 | 0 | | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 05 55 | 26.730 | 69.9 | 60.7 | 60 | 0 | | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 06 54 | 26.740 | 73.6 | 62.4 | 55 | 0 | | | | | | | | | | | | | | | 0 | 3 | .040 | | | 06-07 |
| 07 51 | 26.740 | 79.8 | 68.2 | 43 | 0 | | | | | | | | | | | | | | | 0 | | | | | 07-08 |
| 08 55 | 26.760 | 85.2 | 65.4 | 36 | 0 | | | | | | | | | | | | | | | 0 | | | | | 08-09 |
| 09 54 | 26.760 | 87.6 | 65.6 | 32 | 0 | 0 | CU | 80 | | | | | | | | | | | | 0 | 1 | .010 | | | 09-10 |
| 10 57 | 26.740 | 88.6 | 66.3 | 31 | 0 | | | | | | | | | | | | | | | 0 | | | | | 10-11 |
| 11 56 | 26.730 | 91.3 | 67.0 | 29 | 0 | | | | | | | | | | | | | | | 0 | | | | | 11-12 |
| 12 55 | 26.710 | 92.1 | 66.1 | 26 | 2 | 2 | CU | 100 | | | | | | | | | | | | 2 | 7 | .030 | | | 12-13 |
| 13 54 | 26.700 | 92.0 | 66.4 | 26 | 2 | | | | | | | | | | | | | | | 2 | | | | | 13-14 |
| 14 53 | 26.690 | 93.9 | 66.4 | 24 | 2 | | | | | | | | | | | | | | | 2 | | | | | 14-15 |
| 15 53 | 26.670 | 94.3 | 66.9 | 24 | 1 | 1 | CU | 100 | 0 | CI | 250 | 1 | | | | | | | | 1 | 8 | .040 | | | 15-16 |
| 16 53 | 26.660 | 93.2 | 65.9 | 23 | 0 | | | | | | | | | | | | | | | 0 | | | | | 16-17 |
| 17 51 | 26.660 | 90.2 | 65.2 | 26 | 0 | | | | | | | | | | | | | | | 0 | | | | | 17-18 |
| 18 50 | 26.670 | 83.8 | 65.4 | 38 | 0 | 0 | SC | 100 | 0 | CI | 250 | 0 | | | | | | | | 0 | 5 | .000 | | | 18-19 |
| 19 50 | 26.690 | 81.5 | 65.0 | 42 | 0 | | | | | | | | | | | | | | | 0 | | | | | 19-20 |
| 20 51 | 26.700 | 79.8 | 64.5 | 45 | 0 | | | | | | | | | | | | | | | 0 | | | | | 20-21 |
| 21 51 | 26.700 | 76.8 | 63.8 | 50 | 0 | | | | | | | | | | | | | | | 0 | 1 | .030 | | | 21-22 |
| 22 52 | 26.710 | 74.8 | 63.3 | 54 | 0 | | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 23 51 | 26.710 | 74.3 | 62.7 | 54 | 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 0351 | X | 0 | 0 | X | 71 | 67 | X | X | | | | | | X | | |
| | 0351 | 1 | 0 | 0 | 0 | 77 | 67 | | 0 | | | | | | | | |
| | 0950 | 2 | 0 | 0 | 0 | 90 | 67 | | 0 | | | | | | | | |
| | 1548 | 3 | 0 | 0 | 0 | 95 | 88 | | 0 | | | | | | | | |
| | 2149 | 4 | 0 | 0 | 0 | 94 | 77 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 77 | 74 | X | X | | | | | | X | | |

## STATION PRESSURE COMPUTATIONS

| TIME (L.S.T.) 59 | 0354 | 0953 | 1549 | 2150 |
|---|---|---|---|---|
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.700 | 26.760 | 26.670 | 26.700 |
| BAROGRAPH 64 | 26.700 | 26.760 | 26.670 | 26.700 |
| BAR. CORR. 65 | ±0 | ±0 | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 95 | 67 | 0 | 0 | 0 | 13 | SW | 1223 | | | | | 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-MIN. WIND SPEED ____ M.P.H. OR FASTEST MILE ____ M.P.H. ASSOCIATED DIRECTION ____ TIME ____

TIME CHECK - CLOCK AT: 0603P ±0 Sec./ 2009 ±0 Sec./ ____ ± Sec.

0555/0556

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, NV

DATE: 28 AUG 1984

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 (00-36) (9) | WIND SPEED (Kts.) (10) | WIND CHARACTER (11) | ALTIMETER SETTING (In.) (12) | REMARKS AND SUPPLEMENTAL CODED DATA (13) | OBSERVERS INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0050 | CLR | 20 | | | 154 | 71 | 54 | 13 | 07 | | 011 | 400 | EP |
| SA | 0150 | CLR | 20 | | | 154 | 70 | 54 | 36 | 05 | | 011 | | EP |
| SA | 0253 | CLR | 20 | | | 160 | 68 | 56 | 00 | 00 | | 012 | | EP |
| SA | 0355 | CLR | 20 | | | 159 | 67 | 56 | 11 | 03 | | 012 | 203 1030 67 RADAT 6314/ | [illegible] |
| SA | 0453 | CLR | 20 | | | 159 | 68 | 55 | 13 | 05 | | 012 | | [illegible] |
| SA | 0555 | CLR | 20 | | | ~~174~~ 176 | 70 | 55 | 14 | 04 | | 015 | | [illegible] |
| SA | 0654 | CLR | 20 | | | 176 | 74 | 56 | 15 | 02 | | 016 | 314 | [illegible] |
| SA | 0751 | CLR | 20 | | | 174 | 79 | 54 | 33 | 02 | | 016 | | [illegible] |
| SA | 0855 | CLR | 20 | | | 178 | 85 | 55 | 32 | 03 | | 018 | | [illegible] |
| SA | 0954 | CLR | 20 | | | 179 | 88 | 54 | 32 | 02 | | 018 | 107 1100 67 | [illegible] |
| SA | 1057 | CLR | 20 | | | 173 | 89 | 54 | 27 | 04 | | 016 | FEW CU S | [illegible] |
| SA | 1156 | CLR | 20 | | | 169 | 91 | 54 | 31 | 05 | | 015 | FEW CU S | [illegible] |
| SA | 1255 | 100 SCT | 20 | | | 160 | 92 | 52 | 14 | 04 | | 013 | 717 1200 | [illegible] |
| SA | 1354 | 100 SCT | 20 | | | 158 | 92 | 52 | 26 | 04 | | 012 | | [illegible] |
| SA | 1453 | 100 SCT | 20 | | | 154 | 94 | 51 | 20 | 03 | | 011 | | [illegible] |
| SA | 1553 | 100 SCT 250 SCT | 20 | | | 146 | 94 | 52 | 26 | 08 | | 008 | TCU N-E SE/814 1201 | EP |
| | | | | | | | | | | | | | 95 RADAT 42146 | |
| SA | 1653 | CLR | 20 | | | 142 | 93 | 50 | 28 | 08 | | 007 | TCU N | EP |
| SA | 1751 | CLR | 20 | | | 143 | 90 | 51 | 29 | 06 | | 007 | CB DSNT SW | EP |
| SA | 1850 | CLR | 20 | | | 148 | 84 | 56 | 36 | 06 | | 008 | 500 1401 | EP |
| SA | 1950 | CLR | 20 | | | 154 | 82 | 56 | 12 | 05 | | 011 | | EP |
| SA | 2051 | CLR | 20 | | | 156 | 80 | 56 | 10 | 05 | | 012 | | EP |
| SA | 2151 | CLR | 20 | | | 157 | 77 | 57 | 08 | 06 | | 012 | 110 95 | EP |
| SA | 2252 | CLR | 20 | | | 160 | 75 | 57 | 07 | 03 | | 013 | | EP |
| SA | 2351 | CLR | 20 | | | 159 | 74 | 56 | 00 | 00 | | 013 | | EP |

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

FM12-VII: IIiii iRixhVV Nddff 1snTTT 2snTdTdTd 3P0P0P0P0 4PPPP 5appp 6RRRtR 7wwW1W2 8NhCLCMCH

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: 29 AUG 1984

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 | 26.710 | 72.8 | 62.8 | 59 | 0 | | | | | | | | | | | | | | | 0 | 1 | .010 | | | 00-01 |
| 01 52 | 26.720 | 72.4 | 62.2 | 58 | 0 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 50 | 26.720 | 72.0 | 62.0 | 58 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 54 | 26.740 | 69.7 | 61.9 | 66 | 0 | | | | | | | | | | | | | | | 0 | 2 | .030 | | | 03-04 |
| 04 52 | 26.740 | 68.4 | 61.4 | 69 | 0 | | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 05 53 | 26.755 | 69.6 | 62.0 | 66 | 0 | | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 06 51 | 26.765 | 74.9 | 63.2 | 54 | 0 | | | | | | | | | | | | | | | 0 | 3 | .025 | | | 06-07 |
| 07 54 | 26.780 | 80.2 | 66.2 | 49 | 0 | | | | | | | | | | | | | | | 0 | | | | | 07-08 |
| 08 55 | 26.780 | 85.4 | 66.8 | 39 | 0 | | | | | | | | | | | | | | | 0 | | | | | 08-09 |
| 09 57 | 26.775 | 90.0 | 65.0 | 26 | 0 | 0 | CU | 80 | | | | | | | | | | | | 0 | 0 | .010 | | | 09-10 |
| 10 53 | 26.760 | 92.1 | 66.2 | 26 | 1 | | | | | | | | | | | | | | | 1 | | | | | 10-11 |
| 11 55 | 26.740 | 94.3 | 65.4 | 21 | 1 | | | | | | | | | | | | | | | 1 | | | | | 11-12 |
| 12 52 | 26.725 | 95.9 | 65.6 | 19 | 1 | 1 | CU | 100 | | | | | | | | | | | | 1 | 8 | .050 | | | 12-13 |
| 13 55 | 26.710 | 97.0 | 65.4 | 18 | 2 | | | | | | | | | | | | | | | 2 | | | | | 13-14 |
| 14 53 | 26.690 | 97.0 | 64.3 | 16 | 2 | | | | | | | | | | | | | | | 2 | | | | | 14-15 |
| 15 53 | 26.670 | 97.6 | 64.3 | 15 | 1 | 1 | CU | 100 | | | | | | | | | | | | 1 | 7 | .055 | | | 15-16 |
| 16 51 | 26.680 | 96.3 | 63.5 | 15 | 0 | | | | | | | | | | | | | | | 0 | | | | | 16-17 |
| 17 57 | 26.650 | 91.9 | 64.7 | 23 | 0 | | | | | | | | | | | | | | | 0 | | | | | 17-18 |
| 18 56 | 26.660 | 84.8 | 64.1 | 33 | 0 | 0 | CU | 100 | | | | | | | | | | | | 0 | 8 | .010 | | | 18-19 |
| 19 51 | 26.680 | 82.2 | 62.9 | 35 | 0 | | | | | | | | | | | | | | | 0 | | | | | 19-20 |
| 20 52 | 26.685 | 79.5 | 62.7 | 40 | 0 | | | | | | | | | | | | | | | 0 | | | | | 20-21 |
| 21 54 | 26.690 | 78.6 | 62.3 | 41 | 0 | | | | | | | | | | | | | | | 0 | 1 | .030 | | | 21-22 |
| 22 50 | 26.690 | 76.5 | 61.8 | 44 | 0 | | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 23 50 | 26.680 | 74.2 | 60.8 | 47 | 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 0351 | | 0 | 0 | | 74 | 70 | | | | | | | | | | |
| | 0351 | 1 | 0 | 0 | 0 | 77 | 70 | | 0 | | | | | | | | |
| | 0947 | 2 | 0 | 0 | 0 | 92 | 67 | | 0 | | | | | | | | |
| | 1549 | 3 | 0 | 0 | 0 | 99 | 90 | | 0 | | | | | | | | |
| | 2150 | 4 | 0 | 0 | 0 | 98 | 79 | | 0 | | | | | | | | |
| | MID. | | 0 | 0 | 0 | 79 | 74 | | | | | | | | | | |

## STATION PRESSURE COMPUTATIONS

| TIME (L.S.T.) 59 | 0353 | 0951 | 1550 | 2151 |
|---|---|---|---|---|
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.740 | 26.775 | 26.670 | 26.690 |
| BAROGRAPH 64 | 26.740 | 26.775 | 26.680 | 26.685 |
| BAR. CORR. 65 | ±0 | ±0 | -.010 | +.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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 99 | 67 | 0 | 0 | 0 | 10 | W | 1317 | | | | | 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: 0655 00 Sec./ 2205 00 Sec./ ± Sec.

1000P - CHANGED BAROGRAM

MF1-10B (1-82) SUPERSEDES MF1-10B (2-79) WHICH MAY BE USED. ☆U.S. G.P.O. 1982-564-008/1124

MF 1-10A (1-82)

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

STATION: WSMO, DESERT ROCK NEVADA

DATE: 29 AUG 1984

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) | OBSERVERS INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0054 | CLR | 20 | | | 159 | 73 | 57 | 09 | 04 | | 013 | 103 | EP |
| SA | 0152 | CLR | 20 | | | 164 | 72 | 57 | 00 | 00 | | 014 | | EP |
| SA | 0250 | CLR | 20 | | | 163 | 72 | 56 | 10 | 05 | | 014 | | EP |
| SA | 0354 | CLR | 20 | | | 171 | 70 | 58 | 02 | 03 | | 016 | 210 70 RAOAT 62144 | CDB |
| SA | 0452 | CLR | 20 | | | 173 | 68 | 58 | 04 | 03 | | 016 | | CDB |
| SA | 0553 | CLR | 20 | | | 180 | 70 | 58 | 04 | 04 | | 018 | | CDB |
| SA | 0651 | CLR | 20 | | | 184 | 75 | 57 | 28 | 02 | | 019 | 308 | CDB |
| SA | 0754 | CLR | 20 | | | 188 | 80 | 59 | 17 | 02 | | 021 | | CDB |
| SA | 0855 | CLR | 20 | | | 186 | 85 | 57 | 27 | 03 | | 021 | FEW CDS | CDB |
| SA | 0952 | CLR | 20 | | | 184 | 90 | 51 | 25 | 03 | | 020 | FEW CDS 003 1200 67 | CDB |
| SA | 1053 | 100 SCT | 20 | | | 178 | 92 | 52 | 36 | 04 | | 018 | | CDB |
| SA | 1155 | 100 SCT | 20 | | | 170 | 94 | 48 | 11 | 06 | | 016 | | CDB |
| SA | 1252 | 100 SCT | 20 | | | 164 | 96 | 48 | 30 | 03 | | 015 | 817 1200 | CDB |
| SA | 1355 | 100 SCT | 20 | | | 158 | 97 | 46 | 31 | 07 | | 013 | | CDB |
| SA | 1453 | 100 SCT | 20 | | | 151 | 97 | 43 | 29 | 04 | | 011 | | CDB |
| SA | 1553 | 100 SCT | 20 | | | 144 | 98 | 42 | 21 | 05 | | 008 | 719 1200 99 RADAT 15151 | EP |
| SA | 1651 | CLR | 20 | | | 147 | 96 | 41 | 26 | 06 | | 010 | | EP |
| SA | 1757 | CLR | 20 | | | 138 | 92 | 48 | 29 | 07 | | 006 | | EP |
| SA | 1856 | CLR | 20 | | | 143 | 85 | 52 | 01 | 07 | | 007 | 803 1200 | EP |
| SA | 1951 | CLR | 20 | | | 150 | 82 | 52 | 07 | 05 | | 010 | | EP |
| SA | 2052 | CLR | 20 | | | 150 | 80 | 53 | 07 | 03 | | 010 | | EP |
| SA | 2154 | CLR | 20 | | | 150 | 79 | 53 | 10 | 04 | | 011 | 110 99 | EP |
| SA | 2250 | CLR | 20 | | | 150 | 77 | 53 | 05 | 04 | | 011 | | EP |
| SA | 2350 | CLR | 20 | | | 146 | 74 | 53 | 04 | 03 | | 010 | | 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 Ndaff $1s_nTTT$ $2s_nT_dT_dT_d$ $3P_oP_oP_oP_o$ 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 AUG 1984

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 52 | 26.670 | 73.2 | 61.2 | 53 | 0 | | | | | | | | | | | | | | | 0 | 8 | .020 | | | 00-01 |
| 01 50 | 26.670 | 71.8 | 60.9 | 55 | 0 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 50 | 26.660 | 73.2 | 59.9 | 47 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 54 | 26.660 | 71.1 | 59.2 | 50 | 0 | | | | | | | | | | | | | | | 0 | 6 | .010 | | | 03-04 |
| 04 53 | 26.665 | 68.2 | 60.0 | 63 | 0 | | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 05 50 | 26.670 | 70.0 | 59.9 | 56 | 0 | | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 06 55 | 26.680 | 75.9 | 63.4 | 51 | 0 | 0 | Ac | 140 | | | | | | | | | | | | 0 | 3 | .020 | | | 06-07 |
| 07 51 | 26.670 | 81.6 | 65.0 | 42 | 0 | | | | | | | | | | | | | | | 0 | | | | | 07-08 |
| 08 51 | 26.665 | 87.3 | 64.1 | 28 | 0 | | | | | | | | | | | | | | | 0 | | | | | 08-09 |
| 09 53 | 26.655 | 91.5 | 64.1 | 22 | 0 | 0 | Cu | 100 | 0 | Ac | 130 | 0 | | | | | | | | 0 | 7 | .025 | | | 09-10 |
| 10 52 | 26.635 | 93.7 | 65.7 | 22 | 0 | | | | | | | | | | | | | | | 0 | | | | | 10-11 |
| 11 52 | 26.610 | 96.6 | 66.2 | 20 | 0 | | | | | | | | | | | | | | | 0 | | | | | 11-12 |
| 12 52 | 26.585 | 97.9 | 64.3 | 15 | 0 | 0 | Cu | 100 | | | | | | | | | | | | 0 | 7 | .070 | | | 12-13 |
| 13 50 | 26.570 | 98.5 | 63.4 | 13 | 1 | | | | | | | | | | | | | | | 1 | | | | | 13-14 |
| 14 51 | 26.550 | 97.9 | 65.1 | 16 | 1 | | | | | | | | | | | | | | | 1 | | | | | 14-15 |
| 15 51 | 26.540 | 97.2 | 65.0 | 17 | 1 | 1 | Cu | 100 | | | | | | | | | | | | 1 | 7 | .045 | | | 15-16 |
| 16 53 | 26.520 | 95.8 | 64.5 | 18 | 1 | | | | | | | | | | | | | | | 1 | | | | | 16-17 |
| 17 54 | 26.500 | 90.0 | 63.3 | 18 | 1 | | | | | | | | | | | | | | | 1 | | | | | 17-18 |
| 18 51 | 26.500 | 88.7 | 62.0 | 21 | 0 | 0 | Cu | 100 | | | | | | | | | | | | 0 | 6 | .040 | | | 18-19 |
| 19 51 | 26.510 | 84.1 | 61.4 | 27 | 0 | | | | | | | | | | | | | | | 0 | | | | | 19-20 |
| 20 50 | 26.520 | 85.5 | 62.2 | 27 | 0 | | | | | | | | | | | | | | | 0 | | | | | 20-21 |
| 21 52 | 26.520 | 83.1 | 62.0 | 30 | 0 | | | | | | | | | | | | | | | 0 | 1 | .020 | | | 21-22 |
| 22 51 | 26.500 | 82.0 | 60.0 | 27 | 0 | | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 23 50 | 26.500 | 82.0 | 60.0 | 27 | 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 0347 | X | 0 | 0 | X | 74 | 71 | X | X | | | | | | X | | |
| | 0347 | 1 | 0 | 0 | 0 | 79 | 71 | | 0 | | | | | | | | |
| | 0946 | 2 | 0 | 0 | 0 | 93 | 67 | | 0 | | | | | | | | |
| | 1547 | 3 | 0 | 0 | 0 | 100 | 92 | | 0 | | | | | | | | |
| | 2148 | 4 | 0 | 0 | 0 | 97 | 83 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 83 | 82 | X | X | | | | | | X | | |

## STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0353 | 0952 | 1551 | 2152 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.660 | 26.653 | 26.540 | 26.520 |
| BAROGRAPH 64 | 26.660 | 26.653 | 26.530 | 26.505 |
| BAR. CORR. 65 | 0 | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 100 | 67 | 0 | 0 | 0 | 24 | 5 | 1424 | | | | | 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: 0505P ⊕ 0 Sec./ 1910P ⊕ 0 Sec./ ± Sec.

0250/0550P 0150/1300 - 9/4

0354/0530P

0453/0530P

0530/0530P

1655P/1655P

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 AUG 1984

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. (Mhos.) (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 | 0052 | CLR | 20 | | | 142 | 73 | 55 | 10 | 03 | | 008 | 807 | EP |
| SA | 0150 | CLR | 20 | | | 142 | 72 | 55 | 00 | 00 | | 008 | | EP |
| SA | 0250 | CLR | 20 | | | 138 | 73 | 52 | 04 | 06 | | 007 | | EP |
| SA | 0354 | CLR | 20 | | | 139 | 71 | 52 | 13 | 04 | | 007 | 603 71 RADAT 70143 | MR |
| SA | 0353 | CLR | 20 | | | 142 | 68 | 55 | 07 | 03 | | 008 | Ac SE | MR |
| SA | 0450 | CLR | 20 | | | 146 | 70 | 54 | 36 | 02 | | 008 | Ac SE | MR |
| SA | 0655 | CLR | 20 | | | 150 | 76 | 57 | 27 | 04 | | 010 | 307 1030 | MR |
| SA | 0751 | CLR | 20 | | | 145 | 82 | 56 | 07 | 03 | | 008 | Ac SE | MR |
| SA | 0851 | CLR | 20 | | | 141 | 87 | 51 | 19 | 03 | | 008 | Ac SE | MR |
| SA | 0953 | CLR | 20 | | | 136 | 92 | 47 | 14 | 04 | | 007 | 708 1170 67 | MR |
| SA | 1052 | CLR | 20 | | | 128 | 94 | 50 | 32 | 03 | | 005 | FEW Cu Ac | MR |
| SA | 1152 | CLR | 20 | | | 119 | 97 | 49 | 25 | 08 | | 002 | FEW Cu Ac | MR |
| SA | 1252 | CLR | 20 | | | 109 | 98 | 42 | 25 | 10 | | 999 | 724 1100 | MR |
| SA | 1350 | 100 SCT | 20 | | | 103 | 99 | 39 | 20 | 16 | G23 | 997 | | MR |
| SA | 1451 | 100 SCT | 20 | | | 096 | 98 | 44 | 19 | 17 | G23 | 995 | | MR |
| SA | 1551 | 100 SCT | 20 | | | 094 | 97 | 45 | 21 | 12 | | 994 | 715 1100 00 RADAT 20154 | CG |
| SA | 1655 | 100 SCT | 20 | | 088 | ~~992~~ | 96 | 45 | 21 | 13 | | 992 | | CG |
| SA | 1754 | 100 SCT | 20 | | | 080 | 93 | 44 | 18 | 11 | | 990 | | CG |
| SA | 1851 | CLR | 20 | | | 079 | 89 | 44 | 15 | 08 | | 990 | 614 1100 | CG |
| SA | 1951 | CLR | 20 | | | 083 | 84 | 47 | 21 | 08 | | 991 | | CG |
| SA | 2050 | CLR | 20 | | | 084 | 86 | 47 | 21 | 11 | | 992 | | CG |
| SA | 2152 | CLR | 20 | | | 082 | 83 | 49 | 16 | 06 | | 992 | 107 00 | CG |
| SA | 2251 | CLR | 20 | | | 075 | 82 | 45 | 14 | 07 | | 990 | | CG |
| SA | 2350 | CLR | 20 | | | 072 | 82 | 45 | 18 | 09 | | 990 | | 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 $1s_nTTT$ $2s_nT_dT_dT_d$ $3P_oP_oP_oP_o$ 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: 1984 AUG 31

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 59 | 26.480 | 82.1 | 59.0 | 25 | 0 | | | | | | | | | | | | | | | 0 | 7 | .010 | | | 00-01 |
| 01 55 | 26.480 | 81.9 | 59.0 | 25 | 0 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 50 | 26.460 | 82.8 | 59.3 | 24 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 53 | 26.460 | 79.6 | 58.9 | 29 | 0 | | | | | | | | | | | | | | | 0 | 6 | .020 | | | 03-04 |
| 04 50 | 26.465 | 79.1 | 59.1 | 30 | 0 | | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 05 53 | 26.490 | 77.7 | 59.6 | 35 | 0 | | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 06 53 | 26.490 | 80.0 | 61.0 | 34 | 0 | 0 | CU | 100 | | | | | | | | | | | | 0 | 3 | .030 | | | 06-07 |
| 07 50 | 26.505 | 83.2 | 60.3 | 26 | 0 | | | | | | | | | | | | | | | 0 | | | | | 07-08 |
| 08 49 | 26.520 | 84.5 | 60.3 | 24 | 0 | | | | | | | | | | | | | | | 0 | | | | | 08-09 |
| 09 53 | 26.530 | 85.1 | 60.5 | 23 | 0 | | | | | | | | | | | | | | | 0 | 1 | .040 | | | 09-10 |
| 10 54 | 26.525 | 86.7 | 61.3 | 23 | 0 | | | | | | | | | | | | | | | 0 | | | | | 10-11 |
| 11 50 | 26.510 | 87.9 | 60.9 | 20 | 0 | | | | | | | | | | | | | | | 0 | | | | | 11-12 |
| 12 51 | 26.505 | 88.8 | 61.2 | 20 | 0 | 0 | CU | 100 | | | | | | | | | | | | 0 | 7 | .025 | | | 12-13 |
| 13 50 | 26.490 | 89.9 | 61.8 | 19 | 0 | | | | | | | | | | | | | | | 0 | | | | | 13-14 |
| 14 53 | 26.470 | 89.5 | 59.9 | 16 | 0 | | | | | | | | | | | | | | | 0 | | | | | 14-15 |
| 15 51 | 26.470 | 91.0 | 60.0 | 14 | 0 | 0 | CU | 100 | 0 | CL | 250 | 0 | | | | | | | | 0 | 6 | .035 | | | 15-16 |
| 16 51 | 26.470 | 90.5 | 60.0 | 15 | 0 | | | | | | | | | | | | | | | 0 | | | | | 16-17 |
| 17 53 | 26.470 | 86.9 | 60.0 | 19 | 0 | | | | | | | | | | | | | | | 0 | | | | | 17-18 |
| 18 51 | 26.480 | 80.0 | 59.0 | 28 | 0 | | | | | | | | | | | | | | | 0 | 3 | .010 | | | 18-19 |
| 19 54 | 26.510 | 81.0 | 58.0 | 24 | 0 | | | | | | | | | | | | | | | 0 | | | | | 19-20 |
| 20 53 | 26.520 | 78.3 | 53.1 | 16 | 0 | | | | | | | | | | | | | | | 0 | | | | | 20-21 |
| 21 55 | 26.540 | 78.0 | 53.0 | 16 | 0 | | | | | | | | | | | | | | | 0 | 2 | .060 | | | 21-22 |
| 22 52 | 26.560 | 75.0 | 52.5 | 20 | 0 | | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 23 55 | 26.570 | 74.1 | 52.0 | 20 | 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 | 83 | 79 | X | X | | | | | | X | | |
| | 0347 | 1 | 0 | 0 | 0 | 83 | 79 | | 0 | | | | | | | | |
| | 0947 | 2 | 0 | 0 | 0 | 86 | 76 | | 0 | | | | | | | | |
| | 1547 | 3 | 0 | 0 | 0 | 91 | 85 | | 0 | | | | | | | | |
| | 2149 | 4 | 0 | 0 | 0 | 91 | 78 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 78 | 74 | X | X | | | | | | X | | |

## STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0352 | 0953 | 1551 | 2155 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.460 | 26.530 | 26.470 | 26.540 |
| BAROGRAPH 64 | 26.455 | 26.520 | 26.470 | 26.530 |
| BAR. CORR. 65 | +.005 | +.010 | 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 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 91 | 74 | 0 | 0 | 0 | 24 | NE | 1957 | | | | | 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: 0452P ⊕0 Sec./ 1733P ⊕0 Sec./ ± Sec.

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, Nv

DATE: 1984 AUG 31

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 | 0059 | CLR | 20 | | | 065 | 82 | 42 | 18 | 11 | | 987 | 714 | CG |
| SA | 0155 | CLR | 20 | | | 065 | 82 | 43 | 21 | 14 | | 987 | | CG |
| SA | 0250 | CLR | 20 | | | 056 | 83 | 42 | 21 | 07 | | 985 | | CG |
| SA | 0353 | CLR | 20 | | | 056 | 80 | 44 | 23 | 04 | | 985 | 607 79 RADAT 57143 | MR |
| SA | 0450 | CLR | 20 | | | 061 | 79 | 45 | 21 | 07 | | 986 | | MR |
| SA | 0553 | CLR | 20 | | | 069 | 78 | 48 | 25 | 04 | | 987 | | MR |
| SA | 0653 | CLR | 20 | | | 075 | 80 | 49 | 25 | 10 | | 988 | 310 1100 | MR |
| SA | 0750 | CLR | 20 | | | 081 | 83 | 45 | 23 | 10 | | 991 | Ac SE | MR |
| SA | 0849 | CLR | 20 | | | 085 | 85 | 44 | 22 | 10 | | 992 | Ac SE | MR |
| SA | 0953 | CLR | 20 | | | 091 | 85 | 44 | 23 | 11 | | 993 | 114 76 | MR |
| SA | 1054 | CLR | 20 | | | 087 | 87 | 44 | 25 | 13 | | 993 | | MR |
| SA | 1150 | CLR | 20 | | | 080 | 88 | 42 | 24 | 10 G16 | | 991 | | MR |
| SA | 1251 | CLR | 20 | | | 079 | 89 | 42 | 21 | 13 G21 | | 991 | 708 1100 | MR |
| SA | 1350 | CLR | 20 | | | 073 | 90 | 43 | 26 | 10 G21 | | 988 | Cu NW | MR |
| SA | 1453 | CLR | 20 | | | 066 | 90 | 37 | 24 | 04 | | 986 | Cu NW | MR |
| SA | 1551 | CLR | 20 | | | 065 | 91 | 36 | 28 | 14 | | 986 | 612 1101 91 RADAT 20072 | CG |
| SA | 1651 | CLR | 20 | | | 066 | 91 | 36 | 28 | 10 | | 986 | | CG |
| SA | 1753 | CLR | 20 | | | 068 | 87 | 40 | 30 | 07 | | 986 | | CG |
| SA | 1851 | CLR | 20 | | | 075 | 80 | 44 | 33 | 05 | | 987 | 303 | CG |
| SA | 1954 | CLR | 20 | | | 084 | 81 | 41 | 05 | 16 | | 991 | | CG |
| SA | 2053 | CLR | 20 | | | 088 | 78 | 28 | 05 | 17 | | 992 | | CG |
| SA | 2155 | CLR | 20 | | | 095 | 78 | 28 | 09 | 12 | | 994 | 220 91 | CG |
| SA | 2252 | CLR | 20 | | | 104 | 75 | 31 | 05 | 14 | | 996 | | CG |
| SA | 2355 | CLR | 20 | | | 168 | 74 | 30 | 36 | 10 | | 997 | | 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 $1s_nTTT$ $2s_nT_dT_dT_d$ $3P_oP_oP_oP_o$ 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