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: October
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 Knots | Peak SPEED Knots | DIRECTION | Ave. Stn Press | * PERCENT OF POSSIBLE SUN | SKY COVER SUNRISE TO SUNSET (Tenths) | WEATHER OCCURRENCES | RH 04 | 10 | 16 | 22 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 64 | 50 | 57 | | 8 | 0 | 0.12 | 0 | 0 | 9.7 | 30 | SW | 26.48 | 22 | 8 | RW- | 46 | 68 | 62 | 85 |
| 2 | 61 | 45 | 53 | | 12 | 0 | 0.02 | 0 | 0 | 5.8 | 13 | N | 26.62 | 12 | 7 | RW- | 93 | 60 | 61 | 81 |
| 3 | 73 | 46 | 60 | | 5 | 0 | 0 | 0 | 0 | 7.6 | 15 | NE | 26.60 | 96 | 0 | | 82 | 48 | 31 | 57 |
| 4 | 77 | 46 | 62 | | 3 | 0 | 0 | 0 | 0 | 5.0 | 14 | SW | 26.58 | 92 | 0 | | 75 | 34 | 25 | 46 |
| 5 | 79 | 49 | 64 | | 1 | 0 | 0 | 0 | 0 | 4.5 | 15 | SW | 26.61 | 96 | 0 | | 65 | 31 | 24 | 47 |
| 6 | 82 | 49 | 66 | | 0 | 1 | 0 | 0 | 0 | 4.1 | 18 | SW | 26.76 | 92 | 1 | | 62 | 30 | 22 | 43 |
| 7 | 85 | 49 | 67 | | 0 | 2 | 0 | 0 | 0 | 4.2 | 12 | NE | 26.81 | 100 | 0 | | 59 | 27 | 19 | 41 |
| 8 | 85 | 50 | 68 | | 0 | 3 | 0 | 0 | 0 | 5.0 | 16 | W | 26.66 | 100 | 0 | | 49 | 25 | 20 | 31 |
| 9 | 83 | 50 | 67 | | 0 | 2 | 0 | 0 | 0 | 6.0 | 21 | W | 26.56 | 100 | 0 | | 46 | 24 | 20 | 33 |
| 10 | 82 | 50 | 66 | | 0 | 1 | 0 | 0 | 0 | 8.2 | 28 | SW | 26.53 | 100 | 0 | | 48 | 27 | 21 | 31 |
| 11 | 75 | 57 | 66 | | 0 | 1 | 0 | 0 | 0 | 15.9 | 43 | S | 26.45 | 13 | 10 | | 38 | 27 | 46 | 53 |
| 12 | 72 | 51 | 62 | | 3 | 0 | 0 | 0 | 0 | 9.5 | 22 | NE | 26.71 | 100 | 0 | | 54 | 32 | 22 | 41 |
| 13 | 80 | 46 | 63 | | 2 | 0 | 0 | 0 | 0 | 7.1 | 18 | SW | 26.64 | 92 | 2 | | 46 | 24 | 27 | 34 |
| 14 | 71 | 47 | 59 | | 6 | 0 | 0 | 0 | 0 | 9.9 | 28 | NE | 26.49 | 67 | 10 | | 33 | 24 | 14 | 20 |
| 15 | 60 | 42 | 51 | | 14 | 0 | 0 | 0 | 0 | 13.9 | 29 | NE | 26.48 | 69 | 4 | | 32 | 24 | 21 | 28 |
| 16 | 61 | 37 | 49 | | 16 | 0 | 0 | 0 | 0 | 14.2 | 50 | S | 26.45 | 41 | 6 | | 33 | 20 | 19 | 30 |
| 17 | 64 | 42 | 53 | | 12 | 0 | 0 | 0 | 0 | 17.5 | 49 | SW | 26.43 | 89 | 1 | | 54 | 40 | 18 | 23 |
| 18 | 58 | 38 | 48 | | 17 | 0 | 0 | 0 | 0 | 7.8 | 21 | NE | 26.73 | 83 | 2 | | 33 | 24 | 14 | 24 |
| 19 | 65 | 44 | 55 | | 10 | 0 | 0 | 0 | 0 | 4.3 | 12 | SW | 26.50 | 18 | 8 | | 26 | 14 | 25 | 35 |
| 20 | 64 | 41 | 53 | | 12 | 0 | 0.01 | 0 | 0 | 6.3 | 24 | NE | 26.45 | 25 | 8 | RW- | 52 | 44 | 36 | 46 |
| 21 | 62 | 42 | 52 | | 13 | 0 | 0 | 0 | 0 | 8.2 | 19 | NE | 26.60 | 72 | 3 | | 59 | 41 | 24 | 36 |
| 22 | 60 | 41 | 51 | | 14 | 0 | 0 | 0 | 0 | 10.8 | 21 | NE | 26.72 | 90 | 4 | | 41 | 32 | 24 | 32 |
| 23 | 61 | 39 | 50 | | 15 | 0 | 0 | 0 | 0 | 11.7 | 23 | NE | 26.76 | 98 | 1 | | 38 | 28 | 19 | 26 |
| 24 | 69 | 41 | 55 | | 10 | 0 | 0 | 0 | 0 | 9.1 | 31 | NE | 26.62 | 82 | 6 | | 37 | 23 | 25 | 40 |
| 25 | 64 | 42 | 53 | | 12 | 0 | 0 | 0 | 0 | 9.9 | 21 | E | 26.69 | 99 | 0 | | 57 | 36 | 24 | 41 |
| 26 | 68 | 35 | 52 | | 13 | 0 | 0 | 0 | 0 | 8.0 | 28 | SW | 26.52 | 50 | 7 | | 52 | 29 | 24 | 31 |
| 27 | 68 | 42 | 55 | | 10 | 0 | 0 | 0 | 0 | 5.8 | 15 | SW | 26.52 | 89 | 3 | | 50 | 28 | 26 | 51 |
| 28 | 66 | 37 | 52 | | 13 | 0 | 0 | 0 | 0 | 5.4 | 17 | W | 26.61 | 98 | 0 | | 70 | 44 | 28 | 50 |
| 29 | 68 | 38 | 53 | | 12 | 0 | 0 | 0 | 0 | 4.3 | 11 | S | 26.64 | 71 | 8 | | 72 | 34 | 30 | 49 |
| 30 | 70 | 37 | 54 | | 11 | 0 | 0 | 0 | 0 | 6.2 | 26 | SW | 26.56 | 81 | 3 | | 62 | 35 | 29 | 50 |
| 31 | 67 | 44 | 56 | | 9 | 0 | 0 | 0 | 0 | 8.4 | 17 | SW | 26.56 | 88 | 1 | | 52 | 43 | 26 | 29 |
| SUM | 2164 | 1367 | — | — | 253 | 10 | 0.15 | 0 | — | 254.3 | — | — | 823.33 | — | | — | 1616 | 1020 | 826 | 1264 |
| AVG | 69.8 | 44.1 | — | — | — | — | — | — | — | 8.2 | FASTEST 50 | DIRECTION S | AVE. 26.56 | % 75 | 3.3 | — | 52 | 33 | 27 | 41 |

MISC. →

## TEMPERATURE DATA

AVERAGE MONTHLY 57.0
DEPARTURE FROM NORMAL -6.8
HIGHEST 85 ON 7
LOWEST 35 ON 26

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

HEATING DEGREE DAYS (Base 65°)
TOTAL THIS MONTH 253
DEPARTURE FROM NORMAL 132
SEASONAL TOTAL 253
DEPARTURE FROM NORMAL

COOLING DEGREE DAYS (Base 65°)
TOTAL THIS MONTH 10
DEPARTURE FROM NORMAL -78
SEASONAL TOTAL 1797
DEPARTURE FROM NORMAL

## PRECIPITATION DATA

TOTAL FOR THE MONTH 0.15 IN.
DEPARTURE FROM NORMAL IN.
GREATEST IN 24 HRS. 0.12 ON 1

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) 19
PARTLY CLOUDY (Scale 4–7) 6
CLOUDY (Scale 8–10) 6
WITH 0.01 INCH OR MORE PRECIP. 3
WITH 0.10 INCH OR MORE PRECIP. 1
WITH 0.50 INCH OR MORE PRECIP. 0
WITH 1.00 INCH OR MORE PRECIP. 0

SYMBOLS USED IN COLUMN 16
T = thunderstorm
R = rain
RW = rain shower
S = snow
SW = snow shower
F = fog

MAXIMUM PRECIPITATION

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

HIGHEST Stn 26.870 IN. ON 7
LOWEST 26.155 IN. ON 16

* Estimated

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 OCT 01

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 | 0053 | CLR | 20 | | | 052 | 63 | 39 | 21 | 16 | 626 | 979 | 400 1070 | CG |
| SA | 0156 | CLR | 20 | | | 045 | 61 | 38 | 19 | 18 | 628 | 976 | | CG |
| SA | 0250 | CLR | 20 | | | 049 | 61 | 38 | 22 | 12 | | 978 | | CG |
| SA | 0353 | CLR | 20 | | | 051 | 59 | 39 | 22 | 10 | | 978 | 503 59 RADAT 72097 | JC |
| SA | 0454 | CLR | 20 | | | 064 | 59 | 37 | 24 | 10 | | 981 | | JC |
| SA | 0554 | 60 SCT | 20 | | | 074 | 56 | 38 | 31 | 02 | | 983 | | JC |
| SA | 0652 | 60 SCT 100 SCT | 20 | | | 078 | 59 | 37 | 29 | 04 | | 984 | 120 1570 | JC |
| SA | 0755 | E60 BKN | 20 | | | 078 | 62 | 37 | 23 | 12 | | 984 | | JC |
| SA | 0854 | E60 OVC | 20 | | | 081 | 63 | 37 | 25 | 12 | | 986 | SML BINOVC S | JC |
| SA | 0953 | E60 OVC | 15 | | RW- | 090 | 58 | 47 | 26 | 13 | | 987 | RB31/30202 12 11/56 | JC |
| SA | 1054 | 30 SCT E60 OVC | 15 | | RW- | 099 | 54 | 49 | 31 | 16 | | 989 | | JC |
| SA | 1155 | 30 SCT E60 BKN 100 OVC | 15 | | RW- | 109 | 52 | 48 | 08 | 10 | | 991 | SML BINOVC SW | JC |
| SA | 1255 | 30 SCT 60 SCT E100 OVC | 15 | | RW- | 110 | 52 | 46 | 06 | 12 | | 991 | 11410 127/ | JC |
| SA | 1353 | 60 SCT E100 BKN 200 OVC | 20 | | | 109 | 54 | 47 | 09 | 08 | | 991 | RE12 | JC |
| SA | 1450 | 60 SCT E100 BKN 200 OVC | 20 | | | 110 | 54 | 45 | 05 | 08 | | 991 | RWU NW | JC |
| SA | 1555 | 60 SCT E120 BKN 250 OVC | 20 | | | 097 | 57 | 44 | 10 | 09 | | 987 | 81010 1178 63 RADAT 92084 | CG |
| SA | 1659 | 60 SCT 120 SCT 250-BKN | 20 | | | 098 | 55 | 44 | 04 | 14 | | 987 | | CG |
| SA | 1755 | 60 SCT 120 SCT 250-BKN | 20 | | | 109 | 52 | 47 | 12 | 12 | | 990 | | CG |
| SA | 1856 | 60 SCT E120 BKN | 20 | | | 114 | 52 | 45 | 12 | 14 | | 992 | 314 1170 | CG |
| SA | 1953 | 60 SCT E120 BKN | 20 | | | 122 | 52 | 44 | 11 | 06 | | 994 | | CG |
| SA | 2058 | 60 SCT E120 OVC | 20 | | | 124 | 52 | 48 | 20 | 02 | | 995 | | CG |
| SA | 2154 | 60 SCT E120 OVC | 20 | | 131 | 125 | 52 | 48 | 06 | 05 | | 996 | 214 117/ 647 | CG |
| SA | 2258 | 60 SCT E120 OVC | 20 | | | 133 | 52 | 49 | 07 | 05 | | 996 | | CG |
| SA | 2357 | 120 SCT | 20 | | | 135 | 51 | 48 | 06 | 03 | | 996 | | CG |

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

FM12-VII: IIiii $i_R i_x$hVV Nddff $1s_nTTT$ $2s_nT_dT_dT_d$ $3P_0P_0P_0P_0$ 4PPPP 5appp $6RRRt_R$ $7wwW_1W_2$ $8N_hC_LC_MC_H$

☆ U.S. G.P.O. 1982-564-008/1123

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

MF1-10B (1-82)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: 1984 OCT 01

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 53 | 26.400 | 62.7 | 50.1 | 41 | 0 | 0 | Ac | 160 | | | | | | | | | | | | 0 | 4 | .000 | | | 00-01 |
| 01 56 | 26.380 | 61.4 | 49.3 | 42 | 0 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 50 | 26.390 | 60.9 | 48.9 | 42 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 53 | 26.390 | 59.2 | 48.5 | 46 | 0 | | | | | | | | | | | | | | | 0 | 5 | .010 | | | 03-04 |
| 04 54 | 26.420 | 59.1 | 48.0 | 44 | 0 | | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 05 54 | 26.440 | 56.3 | 46.8 | 50 | 3 | | | | | | | | | | | | | | | 3 | | | | | 05-06 |
| 06 52 | 26.450 | 59.1 | 48.0 | 44 | 4 | 3 | Sc | 60 | 1 | Ac | 100 | 4 | | | | | | | | 4 | 1 | .060 | | | 06-07 |
| 07 55 | 26.450 | 61.6 | 48.9 | 40 | 6 | | | | | | | | | | | | | | | 5 | | | | | 07-08 |
| 08 54 | 26.460 | 63.1 | 49.5 | 38 | 10 | | | | | | | | | | | | | | | 10 | | | | | 08-09 |
| 09 53 | 26.470 | 57.6 | 51.8 | 69 | 10 | 0 | Cu/Sc | 30 | 10 | Cu | E60 | 10 | | | | | | | | 10 | 3 | .020 | | | 09-10 |
| 10 54 | 26.490 | 54.3 | 51.3 | 82 | 10 | | | | | | | | | | | | | | | 10 | | | | | 10-11 |
| 11 55 | 26.510 | 52.1 | 49.6 | 85 | 10 | | | | | | | | | | | | | | | 10 | | | | | 11-12 |
| 12 55 | 26.510 | 52.1 | 49.0 | 81 | 10 | 1 | Cu/Sc | 30 | 5 | Cu | 60 | 5 | 5 | Ac | 4000 | 10 | | | | 10 | 1 | .040 | | | 12-13 |
| 13 53 | 26.510 | 54.4 | 50.1 | 75 | 10 | | | | | | | | | | | | | | | 10 | | | | | 13-14 |
| 14 50 | 26.510 | 54.4 | 49.4 | 71 | 10 | | | | | | | | | | | | | | | 9 | | | | | 14-15 |
| 15 55 | 26.480 | 57.0 | 50.0 | 62 | 9 | 2 | Cu | 60 | 6 | Ac | E120 | 8 | 1 | Cs | 250 | 9 | | | | 9 | 8 | .030 | | | 15-16 |
| 16 59 | 26.480 | 54.6 | 49.0 | 68 | 7 | | | | | | | | | | | | | | | 3 | | | | | 16-17 |
| 17 55 | 26.500 | 51.8 | 49.0 | 83 | 7 | | | | | | | | | | | | | | | 3 | | | | | 17-18 |
| 18 56 | 26.520 | 51.6 | 48.2 | 79 | 8 | 2 | Cu | 60 | 6 | Ac | E120 | 8 | | | | | | | | 8 | 3 | .040 | | | 18-19 |
| 19 53 | 26.540 | 52.2 | 48.0 | 75 | 9 | | | | | | | | | | | | | | | 9 | | | | | 19-20 |
| 20 58 | 26.550 | 52.4 | 50.0 | 86 | 10 | | | | | | | | | | | | | | | 10 | | | | | 20-21 |
| 21 59 | 26.580 | 52.4 | 50.0 | 86 | 10 | 4 | Cu | 60 | 6 | Ac | E120 | 10 | | | | | | | | 10 | 2 | .040 | | | 21-22 |
| 22 58 | 26.580 | 52.1 | 50.4 | 89 | 10 | | | | | | | | | | | | | | | 9 | | | | | 22-23 |
| 23 57 | 26.580 | 51.0 | 49.5 | 90 | 5 | | | | | | | | | | | | | | | 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 0348 | | 0 | 0 | | 64 | 59 | | | | | | | | | | |
| | 0348 | 1 | 0 | 0 | 0 | 67 | 59 | | 0 | | | | | | | | |
| | 0947 | 2 | .02 | 0 | 0 | 63 | 56 | | 2 | | | | | | | | |
| | 1549 | 3 | .10 | 0 | 0 | 58 | 51 | | 2 | | | | | | | | |
| | 2155 | 4 | 0 | 0 | 0 | 57 | 50 | | 1 | | | | | | | | |
| | MID. | | 0 | 0 | 0 | 52 | 50 | | | | | | | | | | |

## STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0350 | 0949 | 1555 | 2159 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.390 | 26.470 | 26.480 | 26.560 |
| BAROGRAPH 64 | 26.400 | 26.480 | 26.490 | 26.580 |
| BAR. CORR. 65 | -.010 | -.010 | -.010 | ±0 |

## SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

| 24-HR. MAX. TEMP. (°F) 66 | 24-HR. MIN. TEMP. (°F) 67 | 24-HR. PRECIP. WATER EQUIV. (Ins.) 68 | 24-HR. SNOWFALL UNML TO (Ins.) 69 | SNOW DEPTH (Ins.) 70 | PEAK WIND SPEED (Kts.) 71 | PEAK WIND DIRECTION 72 | PEAK WIND TIME (L.S.T.) 73 | THICKNESS OF ICE ON WATER (Ins.) 74 | FROZEN GROUND LAYER (Ins.) TOP 75 | FROZEN GROUND LAYER (Ins.) BASE 76 | RIVER GAGE 77 | SKY COVER SUNRISE TO SUNSET 78 | SKY COVER MIDNIGHT TO MIDNIGHT 79 | WATER EQUIV. (Ins.) 80 | 81 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 64 | 50 | .12 | 0 | 0 | 30 | SW | 0125 | | | | | 8 | 7 | | |

## WEATHER & OBSTRUCTIONS TO VISION

| TYPE 82 | BEGAN 83 | ENDED 84 | TYPE 86 | BEGAN 87 | ENDED 88 |
|---|---|---|---|---|---|
| RW- | 0931 | 1312 | | | |

## 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 N.P.H. OR FASTEST MILE N.P.H. | ASSOCIATED DIRECTION | TIME

TIME CHECK-CLOCK AT: 0958P ⊙0 Sec./ 2101P ⊙0 Sec./ ± Sec.

2159P/2258P 2159P/24 HR MAX 67/1130P-10th

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 OCT 02

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. SERVER'S INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0052 | 120 SCT | 20 | | | 136 | 50 | 48 | 15 | 03 | | 996 | 400 1070 | CG |
| SA | 0153 | 120 SCT | 20 | | | 135 | 48 | 46 | 14 | 04 | | 996 | | CG |
| SA | 0250 | 120 SCT | 20 | | | 136 | 47 | 45 | 03 | 04 | | 996 | | CG |
| SA | 0353 | 120 SCT | 20 | | | 139 | 47 | 45 | 05 | 04 | | 998 | 303 1070 46 20012 | JC |
| / | | | | | | | | | | | | | RADAT 87089 | / |
| SA | 0451 | 120 SCT 250-SCT | 20 | | | 141 | 46 | 44 | 11 | 03 | | 998 | | JC |
| SA | 0554 | 100 SCT E200 BKN | 20 | | | 149 | 48 | 46 | 04 | 05 | | 000 | | JC |
| SA | 0653 | E80 BKN 200 BKN | 20 | | | 151 | 48 | 46 | 32 | 02 | | 001 | 310 1071 | JC |
| SA | 0752 | 80 SCT E200 BKN | 20 | | | 148 | 54 | 48 | 11 | 07 | | 001 | | JC |
| SA | 0853 | 60 SCT E100 BKN 200 OVC | 20 | | | 155 | 58 | 45 | 31 | 05 | | 003 | | JC |
| SA | 0953 | 60 SCT E100 OVC | 20 | | | 156 | 60 | 46 | 31 | 07 | | 004 | 310 157/45 | JC |
| SA | 1052 | 50 SCT E100 OVC | 20 | | | 156 | 60 | 45 | 35 | 09 | | 004 | | JC |
| SA | 1154 | 50 SCT E100 OVC | 20 | | | 163 | 57 | 46 | 02 | 09 | | 005 | | JC |
| SA | 1252 | 50 SCT E100 OVC | 20 | | | 159 | 57 | 47 | 04 | 08 | | 004 | 000 157/ | JC |
| SA | 1351 | 30 SCT E50 BKN 100 OVC | 20 | | RW- | 160 | 58 | 46 | 05 | 03 | | 004 | RB16 | JC |
| SA | 1450 | E30 BKN 50 BKN 100 OVC | 15 | | RW- | 163 | 54 | 49 | 25 | 04 | | 004 | | JC |
| SA | 1557 | 50 SCT E100 BKN | 20 | | | 156 | 60 | 46 | 36 | 03 | | 003 | RE05/80302 1570 61 | CG |
| / | / | | | | | | | | | | | | RADAT 97084 | / |
| SA | 1656 | 30 SCT 70 SCT E100 BKN | 20 | | | 158 | 58 | 43 | 35 | 05 | | 003 | | CG |
| SA | 1756 | 70 SCT 100 SCT | 20 | | | 158 | 55 | 47 | 01 | 10 | | 003 | | CG |
| SA | 1858 | 100 SCT 250-SCT | 20 | | | 163 | 54 | 47 | 08 | 05 | | 004 | 303 1078 | CG |
| SA | 1951 | 100 SCT 250-SCT | 20 | | | 163 | 53 | 46 | 04 | 07 | | 005 | | CG |
| SA | 2059 | 100 SCT 250 SCT | 20 | | | 166 | 52 | 47 | 05 | 06 | | 006 | | CG |
| SA | 2153 | 100 SCT E250 BKN | 20 | | | 165 | 52 | 47 | 05 | 10 | | 006 | 107 1078 61 | CG |
| SA | 2252 | 100 SCT E250 BKN | 20 | | | 168 | 53 | 46 | 04 | 07 | | 007 | | CG |
| SA | 2353 | 100 SCT E250 BKN | 20 | | | 171 | 51 | 45 | 04 | 10 | | 007 | | CG |

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

FM12-VII: Iliii $i_R i_x h$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 OCT 02

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 | 50.1 | 49.0 | 93 | 4 | 4 | Ac | 120 | | | | | | | | | | | | 4 | 4 | .000 | | | 00-01 |
| 01 53 | 26.560 | 48.2 | 47.2 | 94 | 2 | | | | | | | | | | | | | | | 2 | | | | | 01-02 |
| 02 50 | 26.560 | 47.0 | 46.0 | 93 | 2 | | | | | | | | | | | | | | | 2 | | | | | 02-03 |
| 03 53 | 26.570 | 46.8 | 45.8 | 93 | 2 | 2 | Ac | 120 | | | | | | | | | | | | 2 | 3 | .010 | | | 03-04 |
| 04 51 | 26.570 | 45.6 | 44.8 | 94 | 5 | | | | | | | | | | | | | | | 1 | | | | | 04-05 |
| 05 54 | 26.590 | 47.5 | 46.6 | 94 | 9 | | | | | | | | | | | | | | | 2 | | | | | 05-06 |
| 06 53 | 26.600 | 47.5 | 46.5 | 93 | 9 | 7 | Ac | E80 | 2 | Ci | 200 | 9 | | | | | | | | 7 | 3 | .030 | | | 06-07 |
| 07 52 | 26.600 | 53.5 | 50.1 | 80 | 9 | | | | | | | | | | | | | | | 6 | | | | | 07-08 |
| 08 53 | 26.620 | 57.8 | 50.9 | 63 | 10 | | | | | | | | | | | | | | | 8 | | | | | 08-09 |
| 09 53 | 26.630 | 59.8 | 52.0 | 60 | 10 | 4 | Sc | 60 | 6 | Ac | E100 | 10 | | | | | | | | 10 | 3 | .030 | | | 09-10 |
| 10 52 | 26.630 | 59.2 | 51.5 | 58 | 10 | | | | | | | | | | | | | | | 10 | | | | | 10-11 |
| 11 54 | 26.640 | 52.2 | 51.0 | 66 | 10 | | | | | | | | | | | | | | | 10 | | | | | 11-12 |
| 12 52 | 26.630 | 56.7 | 51.1 | 69 | 10 | 0 | Sc-Ac | 20 | 3 | Sc | 50 | 3 | 7 | Ac | E100 | 10 | | | | 10 | 0 | .000 | | | 12-13 |
| 13 51 | 26.630 | 55.0 | 51.3 | 64 | 10 | | | | | | | | | | | | | | | 10 | | | | | 13-14 |
| 14 50 | 26.630 | 54.2 | 51.4 | 83 | 10 | | | | | | | | | | | | | | | 10 | | | | | 14-15 |
| 15 57 | 26.620 | 59.6 | 52.0 | 61 | 9 | 5 | Sc | 50 | 4 | Ac | E100 | 9 | | | | | | | | 9 | 8 | .010 | | | 15-16 |
| 16 58 | 26.620 | 58.0 | 50.0 | 58 | 8 | | | | | | | | | | | | | | | 8 | | | | | 16-17 |
| 17 56 | 26.620 | 55.3 | 50.8 | 74 | 4 | | | | | | | | | | | | | | | 4 | | | | | 17-18 |
| 18 58 | 26.630 | 54.0 | 50.0 | 77 | 5 | 2 | Ac | 100 | 3 | Cs | 250 | 5 | | | | | | | | 2 | 3 | .010 | | | 18-19 |
| 19 51 | 26.640 | 53.3 | 49.3 | 76 | 5 | | | | | | | | | | | | | | | 2 | | | | | 19-20 |
| 20 59 | 26.650 | 52.0 | 49.0 | 82 | 3 | | | | | | | | | | | | | | | 3 | | | | | 20-21 |
| 21 53 | 26.650 | 52.0 | 49.0 | 82 | 8 | 4 | Ac | 100 | 4 | Cs | E250 | 8 | | | | | | | | 7 | 1 | .020 | | | 21-22 |
| 22 52 | 26.660 | 52.5 | 49.1 | 80 | 8 | | | | | | | | | | | | | | | 7 | | | | | 22-23 |
| 23 53 | 26.660 | 51.2 | 48.0 | 80 | 8 | | | | | | | | | | | | | | | 6 | | | | | 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 | 51 | 46 | X | X | | | | | | X | | |
| | 0349 | 1 | 0 | 0 | 0 | 52 | 46 | | 0 | | | | | | | | |
| | 0950 | 2 | 0 | 0 | 0 | 60 | 45 | | 0 | | | | | | | | |
| | 1551 | 3 | .02 | 0 | 0 | 61 | 53 | | 1 | | | | | | | | |
| | 2150 | 4 | 0 | 0 | 0 | 60 | 52 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 53 | 51 | X | X | | | | | | X | | |

## STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0351 | 0951 | 1557 | 2153 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.570 | 26.630 | 26.620 | 26.650 |
| BAROGRAPH 64 | 26.570 | 26.630 | 26.630 | 26.670 |
| BAR. CORR. 65 | ±0 | ±0 | -.010 | -.020 |

## SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

| 24-HR. MAX. TEMP. (°F) 66 | 24-HR. MIN. TEMP. (°F) 67 | 24-HR. PRECIP. WATER EQUIV. (Ins.) 68 | 24-HR. SNOWFALL UNMLTD (Ins.) 69 | SNOW DEPTH (Ins.) 70 | PEAK WIND SPEED (Kts.) 71 | PEAK WIND DIRECTION 72 | PEAK WIND TIME (L.S.T.) 73 | THICKNESS OF ICE ON WATER (Ins.) 74 | FROZEN GROUND LAYER (Ins.) TOP 75 | FROZEN GROUND LAYER (Ins.) BASE 76 | RIVER GAGE 77 | SKY COVER SUNRISE TO SUNSET 78 | SKY COVER MIDNIGHT TO MIDNIGHT 79 | WATER EQUIV. (Ins.) 80 | 81 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 61 | 45 | .02 | 0 | 0 | 13 | N | 1030 | | | | | 10 | 7 | | |

## WEATHER & OBSTRUCTIONS TO VISION

| TYPE 82 | BEGAN 83 | ENDED 84 | TYPE 86 | BEGAN 87 | ENDED 88 |
|---|---|---|---|---|---|
| RW- | 1316 | 1505 | | | |

## 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: 0952P ±1 Sec. / 1938P ±0 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, NV

DATE: 1984 OCT 03

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

| TYPE (1) | TIME (LST) (2) | SKY AND CEILING (Hundreds of Feet) (3) | VISIBILITY (Miles) SURFACE (4) | VISIBILITY (Miles) TOWER (4a) | WEATHER AND OBSTRUCTIONS TO VISION (5) | SEA LEVEL PRESS. (Mbs.) (6) | TEMP (°F) (7) | DEW PT. (°F) (8) | WIND DIRECTION (00-36) (9) | WIND SPEED (Kts.) (10) | WIND CHARACTER (11) | ALTIMETER SETTING (Ins.) (12) | REMARKS AND SUPPLEMENTAL CODED DATA (13) | OBSERVER INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0053 | 100 SCT | 20 | | | 171 | 51 | 45 | 05 | 10 | | 007 | 103 1070 | CG |
| SA | 0153 | 100 SCT | 20 | | | 167 | 50 | 44 | 03 | 11 | | 006 | | CG |
| SA | 0250 | 100 SCT 250 SCT | 20 | | | 162 | 50 | 44 | 04 | 10 | | 004 | | CG |
| SA | 0351 | 70 SCT 250 SCT | 20 | | | 154 | 49 | 44 | 12 | 04 | | 003 | 714 1508 49 20002 | HG |
| — | — | | | | | | | | | | | | RADAT 95089 | — |
| SA | 0450 | 70 SCT | 20 | | | 159 | 49 | 43 | 04 | 09 | | 004 | | HG |
| SA | 0552 | CLR | 20 | | | 161 | 49 | 44 | 11 | 06 | | 004 | SC SE | HG |
| SA | 0655 | CLR | 20 | | | 158 | 54 | 43 | 04 | 11 | | 004 | 103 1500 | HG |
| SA | 0751 | CLR | 20 | | | 162 | 56 | 43 | 03 | 11 | | 005 | FEW SC | HG |
| SA | 0850 | CLR | 20 | | | 161 | 59 | 43 | 04 | 14 | | 005 | FEW CU SC | HG |
| SA | 0950 | CLR | 20 | | | 160 | 62 | 42 | 04 | 13 | | 005 | 103 1100 46 | HG |
| SA | 1050 | CLR | 20 | | | 150 | 64 | 43 | 01 | 08 | | 003 | | HG |
| SA | 1154 | CLR | 20 | | | 141 | 69 | 45 | 02 | 10 | | 001 | | HG |
| SA | 1253 | 50 SCT | 20 | | | 133 | 71 | 44 | 35 | 06 | | 998 | 720 1100 | HG |
| SA | 1350 | 50 SCT | 20 | | | 126 | 70 | 42 | 29 | 05 | | 996 | | HG |
| SA | 1450 | 50 SCT | 20 | | | 121 | 72 | 40 | 34 | 08 | | 995 | | HG |
| SA | 1552 | 50 SCT | 20 | | | 121 | 72 | 40 | 28 | 04 | | 995 | 610 1400 73 RADAT 60105 | WRG |
| SA | 1652 | CLR | 20 | | | 123 | 70 | 40 | 04 | 06 | | 996 | FEW SC OVR MTNS | WRG |
| SA | 1752 | CLR | 20 | | | 130 | 66 | 41 | 05 | 04 | | 997 | | WRG |
| SA | 1852 | CLR | 20 | | | 133 | 63 | 43 | 34 | 08 | | 998 | 208 1400 | WRG |
| SA | 1952 | CLR | 20 | | | 139 | 61 | 41 | 35 | 05 | | 999 | | WRG |
| SA | 2052 | CLR | 20 | | | 139 | 61 | 40 | 03 | 03 | | 000 | | WRG |
| SA | 2152 | CLR | 20 | | | 141 | 57 | 42 | 05 | 04 | | 001 | 208 73 | WRG |
| SA | 2252 | CLR | 20 | | | 141 | 55 | 41 | 07 | 05 | | 001 | | WRG |
| SA | 2352 | CLR | 20 | | | 140 | 52 | 41 | 08 | 04 | | 001 | | 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 OCT 03

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 53 | 26.660 | 50.8 | 47.5 | 80 | 2 | 2 | Ac | 100 | | | | | | | | | | | | 2 | 1 | .00 | | | 00-01 |
| 01 53 | 26.650 | 50.0 | 47.0 | 81 | 2 | | | | | | | | | | | | | | | 2 | | | | | 01-02 |
| 02 50 | 26.630 | 50.1 | 46.6 | 78 | 5 | | | | | | | | | | | | | | | 5 | | | | | 02-03 |
| 03 51 | 26.620 | 49.4 | 46.6 | 82 | 4 | 2 | Sc | 70 | 2 | Cs | 250 | 4 | | | | | | | | 4 | 7 | .040 | | | 03-04 |
| 04 50 | 26.630 | 48.9 | 45.7 | 79 | 1 | | | | | | | | | | | | | | | 1 | | | | | 04-05 |
| 05 52 | 26.630 | 48.8 | 46.0 | 82 | 0 | | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 06 55 | 26.630 | 54.0 | 48.0 | 66 | 0 | 0 | Sc | 70 | | | | | | | | | | | | 0 | 1 | .010 | | | 06-07 |
| 07 51 | 26.640 | 56.3 | 49.2 | 61 | 0 | | | | | | | | | | | | | | | 0 | | | | | 07-08 |
| 08 50 | 26.640 | 58.6 | 50.1 | 56 | 0 | | | | | | | | | | | | | | | 0 | | | | | 08-09 |
| 09 50 | 26.640 | 61.7 | 51.1 | 49 | 0 | 0 | Cu | 40 | | | | | | | | | | | | 0 | 1 | .010 | | | 09-10 |
| 10 50 | 26.620 | 64.4 | 52.6 | 46 | 0 | | | | | | | | | | | | | | | 0 | | | | | 10-11 |
| 11 54 | 26.600 | 69.0 | 55.0 | 41 | 0 | | | | | | | | | | | | | | | 0 | | | | | 11-12 |
| 12 53 | 26.580 | 71.0 | 55.4 | 37 | 1 | 1 | Cu | 50 | | | | | | | | | | | | 1 | 7 | .060 | | | 12-13 |
| 13 50 | 26.560 | 70.2 | 54.4 | 36 | 1 | | | | | | | | | | | | | | | 1 | | | | | 13-14 |
| 14 50 | 26.550 | 71.8 | 54.4 | 32 | 1 | | | | | | | | | | | | | | | 1 | | | | | 14-15 |
| 15 52 | 26.550 | 71.7 | 54.3 | 32 | 2 | 2 | Sc | 50 | | | | | | | | | | | | 2 | 6 | .030 | | | 15-16 |
| 16 52 | 26.555 | 70.3 | 53.5 | 33 | 0 | | | | | | | | | | | | | | | 0 | | | | | 16-17 |
| 17 52 | 26.565 | 65.8 | 52.4 | 41 | 0 | | | | | | | | | | | | | | | 0 | | | | | 17-18 |
| 18 52 | 26.575 | 63.1 | 51.9 | 48 | 0 | 0 | Sc | 50 | | | | | | | | | | | | 0 | 2 | .025 | | | 18-19 |
| 19 52 | 26.570 | 61.0 | 50.2 | 48 | 0 | | | | | | | | | | | | | | | 0 | | | | | 19-20 |
| 20 52 | 26.595 | 61.0 | 50.0 | 47 | 0 | | | | | | | | | | | | | | | 0 | | | | | 20-21 |
| 21 52 | 26.600 | 56.9 | 48.9 | 57 | 0 | | | | | | | | | | | | | | | 0 | 2 | .025 | | | 21-22 |
| 22 52 | 26.600 | 54.8 | 47.4 | 59 | 0 | | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 23 52 | 26.600 | 52.2 | 46.3 | 65 | 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 | | 51 | 49 | | | | | | | | | | |
| | 0347 | 1 | 0 | 0 | 0 | 53 | 49 | | 0 | | | | | | | | |
| | 0946 | 2 | 0 | 0 | 0 | 62 | 46 | | 0 | | | | | | | | |
| | 1548 | 3 | 0 | 0 | 0 | 73 | 62 | | 0 | | | | | | | | |
| | 2148 | 4 | 0 | 0 | 0 | 72 | 56 | | 0 | | | | | | | | |
| | MID. | | 0 | 0 | 0 | 57 | 52 | | | | | | | | | | |

## STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0351 | 0950 | 1548 | 2150 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.620 | 26.640 | 26.550 | 26.600 |
| BAROGRAPH 64 | 26.630 | 26.640 | 26.555 | 26.600 |
| BAR. CORR. 65 | -.010 | 0 | -.005 | ±0.0 |

## SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

| 24-HR. MAX. TEMP. (°F) 66 | 24-HR. MIN. TEMP. (°F) 67 | 24-HR. PRECIP. WATER EQUIV. (Ins.) 68 | 24-HR. SNOWFALL UNMLTD (Ins.) 69 | SNOW DEPTH (Ins.) 70 | PEAK WIND SPEED (Kts.) 71 | PEAK WIND DIRECTION 72 | PEAK WIND TIME (L.S.T.) 73 | THICKNESS OF ICE ON WATER (Ins.) 74 | FROZEN GROUND LAYER (Ins.) TOP 75 | FROZEN GROUND LAYER (Ins.) BASE 76 | RIVER GAGE 77 | SKY COVER SUNRISE TO SUNSET 78 | SKY COVER MIDNIGHT TO MIDNIGHT 79 | WATER EQUIV. (Ins.) 80 | 81 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 73 | 46 | 0 | 0 | 0 | 15 | NE | 0907 | | | | | 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: 0619P ⊕0 Sec./ 2016P ⊕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

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 OCT 04

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 (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) | OBSERVERS INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0052 | CLR | 20 | | | 140 | 50 | 42 | 00 | 00 | | 001 | 400 | WRG |
| SA | 0152 | CLR | 20 | | | 140 | 51 | 41 | 07 | 03 | | 001 | | WRG |
| SA | 0252 | 230 SCT | 20 | | | 140 | 50 | 41 | 13 | 03 | | 001 | | WRG |
| SA | 0351 | 300 SCT | 20 | | | 132 | 49 | 42 | 11 | 03 | | 998 | 807 1004 48 RADAT 41109 | WRG |
| SA | 0453 | 300 SCT | 20 | | | 141 | 48 | 41 | 11 | 07 | | 001 | | WRG |
| SA | 0554 | 300 SCT | 20 | | | 145 | 47 | 41 | 11 | 03 | | 001 | | WRG |
| SA | 0652 | 300-BKN | 20 | | | 148 | 51 | 42 | 13 | 03 | | 002 | 110 1004 | WRG |
| SA | 0752 | 300 SCT | 20 | | | 150 | 57 | 42 | 00 | 00 | | 003 | | WRG |
| SA | 0853 | 300 SCT | 20 | | | 149 | 64 | 42 | 30 | 03 | | 004 | | WRG |
| SA | 0952 | CLR | 20 | | | 144 | 70 | 40 | 22 | 06 | | 003 | 003 1101 46 | WRG |
| SA | 1053 | CLR | 20 | | | 141 | 71 | 40 | 20 | 10 | | 002 | | WRG |
| SA | 1153 | CLR | 20 | | | 138 | 73 | 40 | 25 | 06 | | 001 | | WRG |
| SA | 1254 | CLR | 20 | | | 126 | 75 | 41 | 20 | 08 | | 997 | 817 1101 | WRG |
| SA | 1352 | CLR | 20 | | | 118 | 76 | 38 | 19 | 07 | | 995 | | WRG |
| SA | 1450 | CLR | 20 | | | 115 | 76 | 38 | 19 | 07 | | 994 | | WRG |
| SA | 1552 | CLR | 20 | | | 107 | 76 | 38 | 23 | 07 | | 992 | 717 1100 77 RADAT 20121 | WRG |
| SA | 1652 | CLR | 20 | | | 109 | 74 | 38 | 24 | 09 | | 992 | | WRG |
| SA | 1752 | CLR | 20 | | | 116 | 68 | 38 | 26 | 06 | | 993 | FEW CI NW | WRG |
| SA | 1852 | CLR | 20 | | | 121 | 63 | 38 | 03 | 05 | | 994 | 307 1005 | WRG |
| SA | 1952 | CLR | 20 | | | 119 | 61 | 38 | 09 | 05 | | 994 | | WRG |
| SA | 2052 | 250-SCT | 20 | | | 123 | 59 | 37 | 01 | 07 | | 996 | | WRG |
| SA | 2152 | 250-SCT | 20 | | | 120 | 59 | 38 | 05 | 07 | | 996 | 107 1001 77 | WRG |
| SA | 2252 | 250-SCT | 20 | | | 123 | 58 | 38 | 00 | 00 | | 997 | | WRG |
| SA | 2352 | 250 SCT | 20 | | | 122 | 57 | 37 | 02 | 04 | | 997 | | 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 OCT 04

To convert L.S.T. 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 | HRS. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00 52 | 26.600 | 50.0 | 45.7 | 73 | 0 | | | | | | | | | | | | | | | 0 | 4 | .000 | | | 00-01 |
| 01 52 | 26.600 | 51.4 | 45.9 | 67 | 0 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 52 | 26.600 | 50.0 | 45.3 | 71 | 3 | | | | | | | | | | | | | | | 2 | | | | | 02-03 |
| 03 51 | 26.580 | 48.8 | 45.0 | 76 | 3 | 3 | CI | 300 | | | | | | | | | | | | 2 | 8 | .020 | | | 03-04 |
| 04 53 | 26.600 | 48.4 | 44.4 | 74 | 3 | | | | | | | | | | | | | | | 2 | | | | | 04-05 |
| 05 51 | 26.600 | 47.0 | 44.0 | 80 | 3 | | | | | | | | | | | | | | | 2 | | | | | 05-06 |
| 06 52 | 26.610 | 50.9 | 46.0 | 70 | 6 | 6 | CI | 300 | | | | | | | | | | | | 3 | 1 | .030 | | | 06-07 |
| 07 52 | 26.620 | 57.3 | 49.1 | 57 | 5 | | | | | | | | | | | | | | | 3 | | | | | 07-08 |
| 08 53 | 26.630 | 64.2 | 52.0 | 44 | 3 | | | | | | | | | | | | | | | 2 | | | | | 08-09 |
| 09 52 | 26.620 | 69.9 | 53.6 | 34 | 0 | 0 | CU | 50 | 0 | CI | 300 | 0 | | | | | | | | 0 | 0 | .010 | | | 09-10 |
| 10 53 | 26.610 | 71.0 | 54.0 | 33 | 0 | | | | | | | | | | | | | | | 0 | | | | | 10-11 |
| 11 53 | 26.600 | 73.2 | 54.9 | 30 | 0 | | | | | | | | | | | | | | | 0 | | | | | 11-12 |
| 12 54 | 26.570 | 75.3 | 55.8 | 29 | 0 | 0 | CU | 60 | 0 | CI | 300 | 0 | | | | | | | | 0 | 8 | .050 | | | 12-13 |
| 13 52 | 26.530 | 75.7 | 55.2 | 26 | 0 | | | | | | | | | | | | | | | 0 | | | | | 13-14 |
| 14 50 | 26.540 | 75.6 | 55.0 | 26 | 0 | | | | | | | | | | | | | | | 0 | | | | | 14-15 |
| 15 52 | 26.520 | 76.0 | 55.2 | 25 | 0 | 0 | CU | 60 | | | | | | | | | | | | 0 | 7 | .050 | | | 15-16 |
| 16 52 | 26.520 | 74.0 | 54.3 | 27 | 0 | | | | | | | | | | | | | | | 0 | | | | | 16-17 |
| 17 52 | 26.550 | 68.3 | 52.1 | 33 | 0 | | | | | | | | | | | | | | | 0 | | | | | 17-18 |
| 18 52 | 26.540 | 63.2 | 50.1 | 40 | 0 | 0 | CI | 250 | | | | | | | | | | | | 0 | 3 | .020 | | | 18-19 |
| 19 52 | 26.540 | 60.8 | 48.9 | 43 | 0 | | | | | | | | | | | | | | | 0 | | | | | 19-20 |
| 20 52 | 26.555 | 59.3 | 48.0 | 44 | 1 | | | | | | | | | | | | | | | 0 | | | | | 20-21 |
| 21 52 | 26.560 | 58.6 | 48.0 | 46 | 2 | 2 | CI | 250 | | | | | | | | | | | | 1 | 1 | .020 | | | 21-22 |
| 22 52 | 26.565 | 57.8 | 47.7 | 48 | 2 | | | | | | | | | | | | | | | 1 | | | | | 22-23 |
| 23 52 | 26.565 | 57.4 | 47.0 | 46 | 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 | 52 | 48 | X | X | | | | | | X | | |
| | 0347 | 1 | 0 | 0 | 0 | 57 | 48 | | 0 | | | | | | | | |
| | 0948 | 2 | 0 | 0 | 0 | 70 | 46 | | 0 | | | | | | | | |
| | 1548 | 3 | 0 | 0 | 0 | 77 | 70 | | 0 | | | | | | | | |
| | 2148 | 4 | 0 | 0 | 0 | 76 | 58 | | 0 | | | | | | | | |
| | MID | X | 0 | 0 | 0 | 59 | 55 | X | X | | | | | | X | | |

## STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0351 | 0952 | 1550 | 2150 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.580 | 26.620 | 26.520 | 26.560 |
| BAROGRAPH 64 | 26.590 | 26.620 | 26.520 | 26.545 |
| BAR. CORR. 65 | -.010 | *0 | +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 (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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 77 | 46 | 0 | 0 | 0 | 14 | SW | 1314 | | | | | 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: 0519P ⓪0 Sec./ 2149 ⑤0 Sec./ ± Sec.

*BAROGRAPH CHANGED RESET TO ±.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 OCT 05

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 (Ins.) (12) | REMARKS AND SUPPLEMENTAL CODED DATA (13) | OBSERVER'S INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0054 | 250 - SCT | 20 | | | 126 | 55 | 39 | 04 | 07 | | 998 | 205 1001 | WRG |
| SA | 0152 | 250 - SCT | 20 | | | 128 | 54 | 38 | 11 | 05 | | 998 | | WRG |
| SA | 0252 | 250 - SCT | 20 | | | 125 | 52 | 38 | 00 | 00 | | 997 | | WRG |
| SA | 0351 | 240 - SCT | 20 | | | 130 | 50 | 39 | 11 | 03 | | 998 | 102 1001 49 RADAT 65111 | WG |
| SA | 0452 | CLR | 20 | | | 134 | 51 | 38 | 11 | 04 | | 999 | FEW CI | WG |
| SA | 0554 | 240 SCT | 20 | | | 140 | 50 | 37 | 10 | 05 | | 001 | AC NW | WG |
| SA | 0654 | CLR | 20 | | | 150 | 55 | 39 | 00 | 00 | | 003 | 314 1071 | WG |
| SA | 0750 | CLR | 20 | | | 151 | 60 | 39 | 00 | 00 | | 004 | | WG |
| SA | 0851 | CLR | 20 | | | 152 | 67 | 39 | 26 | 04 | | 005 | | WG |
| SA | 0953 | CLR | 20 | | | 151 | 71 | 39 | 23 | 07 | | 005 | 107 1101 49 | WG |
| SA | 1054 | CLR | 20 | | | 147 | 74 | 40 | 24 | 08 | | 004 | | WG |
| SA | 1152 | CLR | 20 | | | 143 | 74 | 39 | 24 | 12 | | 003 | | WG |
| SA | 1252 | CLR | 20 | | | 135 | 76 | 40 | 28 | 04 | | 001 | 814 1101 | WG |
| SA | 1352 | CLR | 20 | | | 132 | 77 | 41 | 30 | 07 | | 999 | | WG |
| SA | 1450 | 80 SCT | 20 | | | 128 | 78 | 40 | 24 | 08 | | 998 | | WG |
| SA | 1552 | 80 SCT | 20 | | | 128 | 78 | 39 | 25 | 03 | | 998 | 607 1400 79 RADAT 50114 | WRG |
| SA | 1652 | 80 SCT | 20 | | | 128 | 76 | 40 | 30 | 04 | | 998 | | WRG |
| SA | 1752 | CLR | 20 | | | 138 | 71 | 40 | 00 | 00 | | 000 | FEW SC SE | WRG |
| SA | 1852 | CLR | 20 | | | 148 | 65 | 41 | 03 | 04 | | 003 | 314 1005 | WRG |
| SA | 1952 | CLR | 20 | | | 154 | 63 | 40 | 11 | 06 | | 005 | FEW CI NW | WRG |
| SA | 2052 | CLR | 20 | | | 154 | 61 | 40 | 09 | 05 | | 006 | | WRG |
| SA | 2152 | 250 - SCT | 20 | | | 156 | 60 | 40 | 07 | 07 | | 007 | 212 1001 79 | WRG |
| SA | 2252 | 250 - BKN | 20 | | | 162 | 58 | 41 | 00 | 00 | | 008 | | WRG |
| SA | 2352 | 250 - BKN | 20 | | | 166 | 57 | 40 | 05 | 04 | | 010 | | WRG |

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

FM12-VII: Iliii $i_R i_x h$VV Nddff $1s_n$TTT $2s_n T_d T_d T_d$ $3P_oP_oP_oP_o$ 4PPPP 5appp $6RRR_{t_R}$ $7wwW_1W_2$ $8N_hC_LC_MC_H$

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

☆ U.S. G.P.O. 1982-564-008/1123

MF1-10B (1-82)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: 1984 OCT 05

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

| TIME (L.S.T.) 16 | STATION PRESSURE (Ins.) 17 | DRY BULB (°F) 18 | WET BULB (°F) 19 | REL. HUMIDITY (%) 20 | TOTAL SKY COVER 21 | LOWEST LAYER AMT. 22 | LOWEST LAYER TYPE 23 | LOWEST LAYER HEIGHT 24 | SECOND LAYER AMT. 25 | SECOND LAYER TYPE 26 | SECOND LAYER HEIGHT 27 | SUMMATION TOTAL 28 | THIRD LAYER AMT. 29 | THIRD LAYER TYPE 30 | THIRD LAYER HEIGHT 31 | SUMMATION TOTAL 32 | FOURTH LAYER AMT. 33 | FOURTH LAYER TYPE 34 | FOURTH LAYER HEIGHT 35 | TOTAL OPAQUE SKY COVER 36 | PRESSURE TENDENCY 37 | NET 3-HR. CHANGE (Ins.) 38 | SUNSHINE (Min.) 39 | PRECIPITATION (Ins.) 40 | HR. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00 54 | 26.575 | 54.8 | 46.6 | 55 | 4 | 4 | CI | 250 | | | | | | | | | | | | 2 | 2 | .015 | | | 00-01 |
| 01 52 | 26.580 | 54.0 | 45.8 | 54 | 4 | | | | | | | | | | | | | | | 2 | | | | | 01-02 |
| 02 52 | 26.570 | 51.8 | 45.0 | 60 | 4 | | | | | | | | | | | | | | | 2 | | | | | 02-03 |
| 03 51 | 26.580 | 50.1 | 44.4 | 65 | 4 | 4 | CI | 240 | | | | | | | | | | | | 2 | 1 | .005 | | | 03-04 |
| 04 52 | 26.590 | 51.0 | 44.5 | 61 | 0 | | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 05 54 | 26.600 | 50.3 | 43.8 | 60 | 1 | | | | | | | | | | | | | | | 1 | | | | | 05-06 |
| 06 54 | 26.620 | 55.1 | 46.9 | 55 | 0 | 0 | AC | 120 | 0 | CI | 240 | 0 | | | | | | | | 0 | 3 | .040 | | | 06-07 |
| 07 50 | 26.630 | 59.8 | 48.8 | 46 | 0 | | | | | | | | | | | | | | | 0 | | | | | 07-08 |
| 08 51 | 26.640 | 67.0 | 52.0 | 36 | 0 | | | | | | | | | | | | | | | 0 | | | | | 08-09 |
| 09 53 | 26.640 | 70.6 | 53.3 | 31 | 0 | 0 | CU | 80 | 0 | CI | 240 | 0 | | | | | | | | 0 | 1 | .020 | | | 09-10 |
| 10 52 | 26.630 | 73.5 | 53.0 | 30 | 0 | | | | | | | | | | | | | | | 0 | | | | | 10-11 |
| 11 52 | 26.620 | 73.9 | 54.8 | 29 | 0 | | | | | | | | | | | | | | | 0 | | | | | 11-12 |
| 12 52 | 26.600 | 76.0 | 56.0 | 27 | 0 | 0 | CU | 80 | 0 | CI | 240 | 0 | | | | | | | | 0 | 8 | .040 | | | 12-13 |
| 13 52 | 26.590 | 77.0 | 56.7 | 28 | 0 | | | | | | | | | | | | | | | 0 | | | | | 13-14 |
| 14 50 | 26.580 | 78.0 | 56.8 | 26 | 1 | | | | | | | | | | | | | | | 1 | | | | | 14-15 |
| 15 52 | 26.580 | 77.7 | 56.0 | 25 | 2 | 2 | SC | 80 | | | | | | | | | | | | 2 | 6 | .020 | | | 15-16 |
| 16 52 | 26.580 | 76.0 | 56.0 | 28 | 1 | | | | | | | | | | | | | | | 1 | | | | | 16-17 |
| 17 52 | 26.595 | 71.1 | 53.5 | 32 | 0 | | | | | | | | | | | | | | | 0 | | | | | 17-18 |
| 18 52 | 26.620 | 64.7 | 51.9 | 42 | 0 | 0 | CI | 250 | | | | | | | | | | | | 0 | 3 | .040 | | | 18-19 |
| 19 52 | 26.640 | 63.4 | 50.8 | 42 | 0 | | | | | | | | | | | | | | | 0 | | | | | 19-20 |
| 20 52 | 26.645 | 60.6 | 49.7 | 47 | 0 | | | | | | | | | | | | | | | 0 | | | | | 20-21 |
| 21 52 | 26.655 | 59.9 | 49.3 | 47 | 1 | 1 | CI | 250 | | | | | | | | | | | | 0 | 2 | .035 | | | 21-22 |
| 22 52 | 26.670 | 57.5 | 48.7 | 54 | 6 | | | | | | | | | | | | | | | 2 | | | | | 22-23 |
| 23 52 | 26.680 | 56.7 | 47.9 | 53 | 7 | | | | | | | | | | | | | | | 3 | | | | | 23-24 |

## SYNOPTIC OBSERVATIONS

| TIME (G.M.T.) 61 | TIME (L.S.T.) 62 | 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 | | 57 | 49 | | | | | | | | | | |
| | 0347 | 1 | 0 | 0 | 0 | 59 | 49 | | 0 | | | | | | | | |
| | 0948 | 2 | 0 | 0 | 0 | 71 | 49 | | 0 | | | | | | | | |
| | 1548 | 3 | 0 | 0 | 0 | 79 | 71 | | 0 | | | | | | | | |
| | 2148 | 4 | 0 | 0 | 0 | 78 | 59 | | 0 | | | | | | | | |
| | MID. | | 0 | 0 | 0 | 60 | 56 | | | | | | | | | | |

## STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0351 | 0953 | 1550 | 2150 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.580 | 26.640 | 26.580 | 26.655 |
| BAROGRAPH 64 | 26.565 | 26.625 | 26.575 | 26.650 |
| BAR. CORR. 65 | +.015 | +.015 | +.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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 79 | 49 | 0 | 0 | 0 | 15 | SW | 1307 | | | | | 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: 0637P (+)0 Sec./ 2248P (+)0 Sec./ ± Sec.

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 OCT 06

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 (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) | (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0052 | 250 -BKN | 20 | | | 168 | 58 | 39 | 00 | 00 | | 011 | 212 1001 | RL |
| SA | 0152 | 250 -BKN | 20 | | | 173 | 55 | 40 | 00 | 00 | | 012 | | RL |
| SA | 0252 | 250 -SCT | 20 | | | 174 | 54 | 40 | 12 | 04 | | 012 | | RL |
| SA | 0353 | 300-SCT | 20 | | | 175 | 52 | 40 | 00 | 00 | | 013 | 105 1001 51 RADAT 66114 | RL |
| SA | 0453 | 300 - SCT | 20 | | | 186 | 52 | 39 | 08 | 05 | | 015 | | RL |
| SA | 0551 | CLR | 20 | | | 197 | 50 | 40 | 00 | 00 | | 017 | | RL |
| SA | 0652 | CLR | 20 | | | 205 | 56 | 40 | 13 | 03 | | 019 | 222 1001 | RL |
| SA | 0751 | CLR | 20 | | | 207 | 63 | 42 | 00 | 00 | | 021 | | RL |
| SA | 0850 | CLR | 20 | | | 209 | 68 | 40 | 00 | 00 | | 022 | | RL |
| SA | 0953 | 300 -SCT | 20 | | | 204 | 73 | 41 | 22 | 05 | | 021 | 003 1101 49 | RL |
| SA | 1050 | 300 SCT | 20 | | | 203 | 77 | 42 | 26 | 05 | | 021 | | RL |
| SA | 1153 | 300 SCT | 20 | | | 196 | 79 | 42 | 19 | 08 | | 019 | | RL |
| SA | 1253 | 300 SCT | 20 | | | 185 | 79 | 41 | 21 | 08 | | 016 | 814 1101 | RL |
| SA | 1355 | 90 SCT 300 SCT | 20 | | | 181 | 81 | 40 | 20 | 12 | | 015 | | RL |
| SA | 1450 | 90 SCT 300 SCT | 20 | | | 177 | 82 | 41 | 25 | 08 | | 014 | | RL |
| SA | 1552 | 90 SCT 300 SCT | 20 | | | 184 | 81 | 39 | 21 | 06 | | 015 | 503 1401 82 RADAT 67116 | RL |
| SA | 1652 | 90 SCT 300 SCT | 20 | | | 190 | 78 | 39 | 22 | 10 | | 016 | | RL |
| SA | 1754 | 90 SCT | 20 | | | 197 | 72 | 40 | 25 | 05 | | 017 | | RL |
| SA | 1852 | CLR | 20 | | | 204 | 66 | 40 | 04 | 04 | | 019 | 312 | RL |
| SA | 1952 | CLR | 20 | | | 207 | 64 | 40 | 00 | 00 | | 021 | | RL |
| SA | 2052 | CLR | 20 | | | 208 | 62 | 39 | 06 | 05 | | 022 | | RL |
| SA | 2152 | 300 - SCT | 20 | | | 211 | 60 | 37 | 05 | 03 | | 023 | 212 1001 82 | RL |
| SA | 2252 | 300 - SCT | 20 | | | 213 | 58 | 39 | 11 | 03 | | 024 | | RL |
| SA | 2352 | CLR | 20 | | | 211 | 58 | 39 | 11 | 05 | | 024 | | RL |

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 OCT 06

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 | 26690 | 57.7 | 48.1 | 50 | 8 | 8 | Ci | 250 | | | | | | | | | | | | 4 | 2 | .035 | | | 00-01 |
| 01 52 | 26700 | 54.8 | 47.0 | 57 | 6 | | | | | | | | | | | | | | | 3 | | | | | 01-02 |
| 02 52 | 26700 | 54.0 | 46.8 | 60 | 5 | | | | | | | | | | | | | | | 2 | | | | | 02-03 |
| 03 53 | 26705 | 52.0 | 45.6 | 62 | 3 | 3 | Ci | 300 | | | | | | | | | | | | 0 | 1 | .015 | | | 03-04 |
| 04 53 | 26730 | 51.6 | 45.3 | 62 | 2 | | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 05 51 | 26750 | 50.2 | 45.0 | 68 | 0 | | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 06 52 | 26770 | 56.1 | 47.8 | 55 | 0 | 0 | Ci | 300 | | | | | | | | | | | | 0 | 2 | .065 | | | 06-07 |
| 07 51 | 26780 | 63.0 | 51.5 | 46 | 0 | | | | | | | | | | | | | | | 0 | | | | | 07-08 |
| 08 50 | 26790 | 67.8 | 52.8 | 37 | 0 | | | | | | | | | | | | | | | 0 | | | | | 08-09 |
| 09 53 | 26780 | 73.2 | 55.0 | 31 | 1 | 0 | Cu | 90 | 1 | Ci | 300 | 1 | | | | | | | | 0 | 0 | .010 | | | 09-10 |
| 10 50 | 26780 | 76.5 | 56.8 | 29 | 1 | | | | | | | | | | | | | | | 1 | | | | | 10-11 |
| 11 53 | 26770 | 79.2 | 58.0 | 27 | 1 | | | | | | | | | | | | | | | 1 | | | | | 11-12 |
| 12 53 | 26740 | 78.3 | 57.6 | 26 | 1 | 0 | Cu | 90 | 1 | Ci | 300 | 1 | | | | | | | | 1 | 8 | .040 | | | 12-13 |
| 13 55 | 26730 | 81.0 | 57.8 | 23 | 1 | | | | | | | | | | | | | | | 1 | | | | | 13-14 |
| 14 50 | 26720 | 82.2 | 58.6 | 23 | 1 | | | | | | | | | | | | | | | 1 | | | | | 14-15 |
| 15 52 | 26730 | 80.8 | 57.5 | 23 | 4 | 3 | Sc | 90 | 1 | Ci | 300 | 4 | | | | | | | | 3 | 5 | .010 | | | 15-16 |
| 16 52 | 26740 | 78.3 | 56.3 | 24 | 3 | | | | | | | | | | | | | | | 2 | | | | | 16-17 |
| 17 52 | 26750 | 72.4 | 54.5 | 31 | 2 | | | | | | | | | | | | | | | 2 | | | | | 17-18 |
| 18 52 | 26765 | 65.9 | 51.8 | 38 | 0 | | | | | | | | | | | | | | | 0 | 3 | .035 | | | 18-19 |
| 19 52 | 26780 | 63.8 | 51.0 | 41 | 0 | | | | | | | | | | | | | | | 0 | | | | | 19-20 |
| 20 52 | 26790 | 62.0 | 49.9 | 43 | 0 | | | | | | | | | | | | | | | 0 | | | | | 20-21 |
| 21 52 | 26800 | 59.9 | 48.3 | 43 | 2 | 2 | Ci | 300 | | | | | | | | | | | | 0 | 2 | .035 | | | 21-22 |
| 22 52 | 26810 | 58.0 | 48.2 | 49 | 1 | | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 23 52 | 26810 | 57.9 | 48.0 | 49 | 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 | X | 0 | 0 | X | 58 | 51 | X | X | | | | | | X | | |
| | 0349 | 1 | 0 | 0 | 0 | 60 | 51 | | 0 | | | | | | | | |
| | 0949 | 2 | 0 | 0 | 0 | 73 | 49 | | 0 | | | | | | | | |
| | 1548 | 3 | 0 | 0 | 0 | 82 | 73 | | 0 | | | | | | | | |
| | 2148 | 4 | 0 | 0 | 0 | 81 | 59 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 60 | 57 | X | X | | | | | | X | | |

## STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0353 | 0953 | 1550 | 2150 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26705 | 26780 | 26730 | 26800 |
| BAROGRAPH 64 | 26690 | 26770 | 26715 | 26790 |
| BAR. CORR. 65 | +.015 | +.010 | +.015 | +.010 |

## SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

| 24-HR. MAX. TEMP. (°F) 66 | 24-HR. MIN. TEMP. (°F) 67 | 24-HR. PRECIP. WATER EQUIV. (Ins.) 68 | 24-HR. SNOWFALL UNML'TD (Ins.) 69 | SNOW DEPTH (Ins.) 70 | PEAK WIND SPEED (Kts.) 71 | PEAK WIND DIRECTION 72 | PEAK WIND TIME (L.S.T.) 73 | THICKNESS OF ICE ON WATER (Ins.) 74 | FROZEN GROUND LAYER (Ins.) TOP 75 | FROZEN GROUND LAYER (Ins.) BASE 76 | RIVER GAGE 77 | SKY COVER SUNRISE TO SUNSET 78 | SKY COVER MIDNIGHT TO MIDNIGHT 79 | WATER EQUIV. (Ins.) 80 | 81 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 82 | 49 | 0 | 0 | 0 | 18 | SW | 1202 | | | | | 1 | 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 MINUTE WIND SPEED ___ M.P.H. OR FASTEST MILE ___ M.P.H. ASSOCIATED DIRECTION ___ TIME ___

TIME CHECK - CLOCK AT: 0510P ⊕0 Sec./ 2242P ⊕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 OCT 07

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 (4) | WEATHER AND OBSTRUCTIONS TO VISION (5) | SEA LEVEL PRESS. (Mbs.) (6) | TEMP. (°F) (7) | DEW PT. (°F) (8) | WIND DIRECTION (00-36) (9) | WIND SPEED (Kts.) (10) | WIND CHARACTER (11) | ALTIMETER SETTING (Ins.) (12) | REMARKS AND SUPPLEMENTAL CODED DATA (13) | OBSERVER INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0052 | CLR | 20 | | | 216 | 56 | 38 | 11 | 06 | | 025 | 207 | WRG |
| SA | 0152 | CLR | 20 | | | 216 | 55 | 37 | 00 | 00 | | 025 | | WRG |
| SA | 0252 | CLR | 20 | | | 216 | 55 | 37 | 00 | 00 | | 025 | | WRG |
| SA | 0353 | CLR | 20 | | | 208 | 52 | 38 | 03 | 02 | | 025 | 400 51 RADAT 54115 | WRG |
| SA | 0445 | CLR | 20 | | | 226 | 52 | 39 | 09 | 02 | | 027 | | OOR |
| SA | 0554 | CLR | 20 | | | 231 | 50 | 41 | 13 | 02 | | 027 | | OOR |
| SA | 0653 | CLR | 20 | | | 241 | 59 | 39 | 26 | 05 | | 031 | 217 | OOR |
| SA | 0751 | CLR | 20 | | | 238 | 65 | 40 | 28 | 02 | | 031 | | OOR |
| SA | 0855 | CLR | 20 | | | 232 | 72 | 44 | 36 | 02 | | 030 | | OOR |
| SA | 0950 | CLR | 20 | | | 231 | 78 | 41 | 02 | 04 | | 030 | 603 49 | OOR |
| SA | 1054 | CLR | 20 | | | 227 | 81 | 43 | 02 | 05 | | 029 | | OOR |
| SA | 1150 | CLR | 20 | | | 216 | 81 | 40 | 36 | 08 | | 025 | | OOR |
| SA | 1254 | CLR | 20 | | | 208 | 82 | 38 | 05 | 05 | | 023 | 720 | OOR |
| SA | 1353 | CLR | 20 | | | 201 | 84 | 39 | 16 | 05 | | 021 | | OOR |
| SA | 1445 | CLR | 20 | | | 196 | 85 | 39 | 32 | 04 | | 019 | | OOR |
| SA | 1551 | CLR | 20 | | | 193 | 84 | 37 | 11 | 08 | | 018 | 614 85 RADAT 30144 | EP |
| SA | 1653 | CLR | 20 | | | 191 | 81 | 37 | 15 | 05 | | 017 | | EP |
| SA | 1753 | CLR | 20 | | | 198 | 74 | 39 | 19 | 07 | | 018 | | EP |
| SA | 1852 | CLR | 20 | | | 201 | 68 | 35 | 07 | 04 | | 019 | 303 | EP |
| SA | 1950 | CLR | 20 | | | 201 | 65 | 37 | 08 | 04 | | 019 | | EP |
| SA | 2051 | CLR | 20 | | | 196 | 65 | 36 | 06 | 07 | | 019 | | EP |
| SA | 2150 | CLR | 20 | | | 200 | 63 | 39 | 06 | 04 | | 021 | 303 85 | EP |
| SA | 2250 | CLR | 20 | | | 194 | 62 | 36 | 11 | 04 | | 019 | | EP |
| SA | 2353 | CLR | 20 | | | 192 | 60 | 36 | 13 | 05 | | 018 | | 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: 1984 OCT 07

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 | 26.820 | 56.2 | 47.0 | 51 | 0 | | | | | | | | | | | | | | | 0 | 2 | .020 | | | 00-01 |
| 01 52 | 26.820 | 55.4 | 46.2 | 50 | 0 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 52 | 26.820 | 55.0 | 45.9 | 50 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 53 | 26.820 | 52.3 | 45.3 | 59 | 0 | | | | | | | | | | | | | | | 0 | 4 | .010 | | | 03-04 |
| 04 45 | 26.840 | 52.3 | 45.4 | 60 | 0 | | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 05 54 | 26.840 | 50.4 | 45.6 | 70 | 0 | | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 06 53 | 26.870 | 58.8 | 48.4 | 47 | 0 | | | | | | | | | | | | | | | 0 | 2 | .050 | | | 06-07 |
| 07 51 | 26.870 | 64.9 | 51.6 | 41 | 0 | | | | | | | | | | | | | | | 0 | | | | | 07-08 |
| 08 55 | 26.860 | 72.4 | 56.0 | 36 | 0 | | | | | | | | | | | | | | | 0 | | | | | 08-09 |
| 09 50 | 26.860 | 77.8 | 57.1 | 27 | 0 | | | | | | | | | | | | | | | 0 | 6 | .010 | | | 09-10 |
| 10 54 | 26.850 | 80.8 | 58.0 | 26 | 0 | | | | | | | | | | | | | | | 0 | | | | | 10-11 |
| 11 50 | 26.820 | 81.0 | 57.6 | 23 | 0 | | | | | | | | | | | | | | | 0 | | | | | 11-12 |
| 12 54 | 26.800 | 81.6 | 57.4 | 21 | 0 | | | | | | | | | | | | | | | 0 | 7 | .060 | | | 12-13 |
| 13 53 | 26.780 | 83.9 | 58.4 | 20 | 0 | | | | | | | | | | | | | | | 0 | | | | | 13-14 |
| 14 45 | 26.770 | 84.5 | 58.7 | 20 | 0 | | | | | | | | | | | | | | | 0 | | | | | 14-15 |
| 15 51 | 26.760 | 83.5 | 57.8 | 19 | 0 | | | | | | | | | | | | | | | 0 | 6 | .040 | | | 15-16 |
| 16 53 | 26.750 | 81.0 | 56.7 | 21 | 0 | | | | | | | | | | | | | | | 0 | | | | | 16-17 |
| 17 53 | 26.760 | 74.3 | 54.9 | 28 | 0 | | | | | | | | | | | | | | | 0 | | | | | 17-18 |
| 18 52 | 26.770 | 68.3 | 51.7 | 29 | 0 | | | | | | | | | | | | | | | 0 | 3 | .010 | | | 18-19 |
| 19 50 | 26.770 | 65.1 | 50.5 | 36 | 0 | | | | | | | | | | | | | | | 0 | | | | | 19-20 |
| 20 51 | 26.770 | 65.0 | 50.0 | 34 | 0 | | | | | | | | | | | | | | | 0 | | | | | 20-21 |
| 21 50 | 26.780 | 63.0 | 50.4 | 41 | 0 | | | | | | | | | | | | | | | 0 | 3 | .010 | | | 21-22 |
| 22 50 | 26.770 | 61.6 | 48.4 | 38 | 0 | | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 23 53 | 26.760 | 60.0 | 48.0 | 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 0349 | X | 0 | 0 | X | 58 | 51 | X | X | | | | | | X | | |
| | 0349 | 1 | 0 | 0 | 0 | 60 | 51 | | 0 | | | | | | | | |
| | 0945 | 2 | 0 | 0 | 0 | 79 | 49 | | 0 | | | | | | | | |
| | 1547 | 3 | 0 | 0 | 0 | 85 | 78 | | 0 | | | | | | | | |
| | 2146 | 4 | 0 | 0 | 0 | 84 | 63 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 63 | 60 | X | X | | | | | | X | | |

## STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0352 | 0949 | 1548 | 2147 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.820 | 26.800 | 26.760 | 26.780 |
| BAROGRAPH 64 | 26.820 | 26.800 | 26.755 | 26.770 |
| BAR. CORR. 65 | ±0 | ±0 | +.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 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 85 | 49 | 0 | 0 | 0 | 12 | NE | 1216 | | | | | 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: 0952P @ / Sec. / 2130P @ / 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 NEVADA

DATE: 08 OCT 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) | OBSERVER INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0055 | CLR | 20 | | | 192 | 57 | 35 | 11 | 07 | | 018 | 607 | EP |
| SA | 0152 | CLR | 20 | | | 184 | 57 | 35 | 11 | 05 | | 016 | | EP |
| SA | 0250 | CLR | 20 | | | 185 | 56 | 35 | 31 | 03 | | 016 | | EP |
| SA | 0356 | CLR | 20 | | | 189 | 55 | 37 | 05 | 07 | | 017 | 503 55 RADAT 47130 | 008 |
| SA | 0450 | CLR | 20 | | | 186 | 53 | 37 | 08 | 04 | | 016 | | 008 |
| SA | 0551 | CLR | 20 | | | 189 | 53 | 36 | 32 | 03 | | 016 | | 008 |
| SA | 0650 | CLR | 20 | | | 186 | 60 | 37 | 03 | 02 | | 015 | 707 | 008 |
| SA | 0754 | CLR | 20 | | | 181 | 66 | 38 | 21 | 03 | | 014 | | 008 |
| SA | 0853 | CLR | 20 | | | 181 | 73 | 40 | 26 | 02 | | 015 | | 008 |
| SA | 0952 | CLR | 20 | | | 176 | 79 | 40 | 28 | 02 | | 014 | 703 ~~50~~ 50 | 008 |
| SA | 1054 | CLR | 20 | | | 170 | 82 | 39 | 22 | 05 | | 013 | | 008 |
| SA | 1151 | CLR | 20 | | | 159 | 83 | 40 | 24 | 07 | | 010 | | 008 |
| SA | 1253 | CLR | 20 | | | 148 | 85 | 40 | 22 | 11 | | 006 | 824 | 008 |
| SA | 1350 | CLR | 20 | | | 138 | 84 | 39 | 23 | 10 | | 003 | | 008 |
| SA | 1452 | CLR | 20 | | | 139 | 83 | 39 | 23 | 08 | | 003 | | 008 |
| SA | 1551 | CLR | 20 | | | 127 | 83 | 38 | 24 | 10 | | 999 | 820 85 RADAT 32137 | EP |
| SA | 1650 | CLR | 20 | | | 125 | 81 | 38 | 30 | 05 | | 998 | | EP |
| SA | 1751 | CLR | 20 | | | 129 | 75 | 34 | 26 | 04 | | 998 | | EP |
| SA | 1850 | CLR | 20 | | | 128 | 70 | 35 | 06 | 05 | | 998 | 603 | EP |
| SA | 1950 | CLR | 20 | | | 130 | 67 | 35 | 03 | 06 | | 999 | | EP |
| SA | 2050 | CLR | 20 | | | 124 | 64 | 34 | 06 | 05 | | 998 | | EP |
| SA | 2151 | CLR | 20 | | | 117 | 65 | 34 | 09 | 07 | | 997 | 803 85 | EP |
| SA | 2251 | CLR | 20 | | | 116 | 64 | 35 | 08 | 04 | | 997 | | EP |
| SA | 2352 | CLR | 20 | | | 117 | 59 | 34 | 00 | 00 | | 997 | | EP |

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

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

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: NOMO, DESERT ROCK NEVAD.

DATE: 08 OCT 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 | 26.760 | 57.4 | 46.3 | 43 | 0 | | | | | | | | | | | | | | | 0 | 6 | .020 | | | 00-01 |
| 01 52 | 26.740 | 57.3 | 46.3 | 43 | 0 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 50 | 26.740 | 55.5 | 45.5 | 46 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 56 | 26.750 | 55.4 | 46.0 | 49 | 0 | | | | | | | | | | | | | | | 0 | 5 | .010 | | | 03-04 |
| 04 50 | 26.740 | 53.2 | 45.0 | 53 | 0 | | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 05 51 | 26.740 | 52.6 | 44.3 | 52 | 0 | | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 06 50 | 26.730 | 60.0 | 48.2 | 42 | 0 | | | | | | | | | | | | | | | 0 | 7 | .020 | | | 06-07 |
| 07 54 | 26.720 | 65.9 | 51.2 | 36 | 0 | | | | | | | | | | | | | | | 0 | | | | | 07-08 |
| 08 53 | 26.730 | 73.4 | 55.0 | 30 | 0 | | | | | | | | | | | | | | | 0 | | | | | 08-09 |
| 09 52 | 26.720 | 78.5 | 57.0 | 26 | 0 | | | | | | | | | | | | | | | 0 | 7 | .010 | | | 09-10 |
| 10 54 | 26.710 | 81.5 | 57.7 | 22 | 0 | | | | | | | | | | | | | | | 0 | | | | | 10-11 |
| 11 51 | 26.680 | 83.2 | 58.6 | 22 | 0 | | | | | | | | | | | | | | | 0 | | | | | 11-12 |
| 12 53 | 26.650 | 85.0 | 59.2 | 20 | 0 | | | | | | | | | | | | | | | 0 | 8 | .070 | | | 12-13 |
| 13 50 | 26.620 | 84.4 | 58.8 | 20 | 0 | | | | | | | | | | | | | | | 0 | | | | | 13-14 |
| 14 52 | 26.620 | 83.1 | 58.3 | 21 | 0 | | | | | | | | | | | | | | | 0 | | | | | 14-15 |
| 15 51 | 26.590 | 83.2 | 58.0 | 20 | 0 | | | | | | | | | | | | | | | 0 | 8 | .060 | | | 15-16 |
| 16 50 | 26.580 | 81.2 | 59.0 | 21 | 0 | | | | | | | | | | | | | | | 0 | | | | | 16-17 |
| 17 51 | 26.580 | 75.0 | 53.5 | 22 | 0 | | | | | | | | | | | | | | | 0 | | | | | 17-18 |
| 18 50 | 26.580 | 69.8 | 51.7 | 28 | 0 | | | | | | | | | | | | | | | 0 | 6 | .010 | | | 18-19 |
| 19 50 | 26.590 | 67.0 | 50.4 | 30 | 0 | | | | | | | | | | | | | | | 0 | | | | | 19-20 |
| 20 50 | 26.580 | 64.0 | 49.0 | 33 | 0 | | | | | | | | | | | | | | | 0 | | | | | 20-21 |
| 21 51 | 26.570 | 64.8 | 49.1 | 31 | 0 | | | | | | | | | | | | | | | 0 | 8 | .010 | | | 21-22 |
| 22 51 | 26.570 | 64.0 | 49.2 | 34 | 0 | | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 23 52 | 26.570 | 59.4 | 46.7 | 38 | 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 0353 | X | 0 | 0 | X | 60 | 55 | X | X | | | | | | X | | |
| | 0353 | 1 | 0 | 0 | 0 | 63 | 55 | | 0 | | | | | | | | |
| | 0949 | 2 | 0 | 0 | 0 | 80 | 50 | | 0 | | | | | | | | |
| | 1546 | 3 | 0 | 0 | 0 | 85 | 79 | | 0 | | | | | | | | |
| | 2145 | 4 | 0 | 0 | 0 | 83 | 64 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 65 | 59 | X | X | | | | | | X | | |

### STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0355 | 0951 | 1547 | 2146 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.750 | 26.720 | 26.590 | 26.570 |
| BAROGRAPH 64 | 26.740 | 26.720 | 26.590 | 26.570 |
| BAR. CORR. 65 | +.010 | ±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 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 85 | 50 | 0 | 0 | 0 | 16 | W | 1305 | | | | | 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: 0954P @0 Sec./ 2130P @0 Sec./ ± Sec.

0957/0951

* BAROGRAPH CHART CHANGED RESET TO 0 COR

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 OCT 1984

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

| TYPE (11) | TIME (LST) (12) | SKY AND CEILING (Hundreds of Feet) (3) | VISIBILITY (Miles) SURFACE (4) | VISIBILITY (Miles) TOWER (4a) | WEATHER AND OBSTRUCTIONS TO VISION (5) | SEA LEVEL PRESS. (Mb.) (6) | TEMP (°F) (7) | DEW PT. (°F) (8) | WIND DIRECTION (100's) (9) | WIND SPEED (Knots) (10) | WIND CHARACTER (11) | ALTIMETER SETTING (Ins.) (12) | REMARKS AND SUPPLEMENTAL CODED DATA (13) | OBS. NETWORKS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0052 | CLR | 20 | | | 117 | 59 | 33 | 07 | 08 | | 997 | 400 | EP |
| SA | 0152 | CLR | 20 | | | 115 | 57 | 33 | 36 | 06 | | 996 | | EP |
| SA | 0250 | CLR | 20 | | | 116 | 57 | 33 | 09 | 05 | | 996 | | EP |
| SA | 0355 | CLR | 20 | | | 120 | 54 | 34 | 11 | 03 | | 997 | 500 53 RADAT 26129 | 008 |
| SA | 0450 | CLR | 20 | | | 121 | 53 | 33 | 14 | 03 | | 997 | | 008 |
| SA | 0550 | CLR | 20 | | | 128 | 52 | 33 | 13 | 02 | | 998 | | 008 |
| SA | 0650 | CLR | 20 | | | 132 | 59 | 36 | 12 | 02 | | 999 | 307 | 008 |
| SA | 0751 | CLR | 20 | | | 135 | 64 | 35 | 14 | 02 | | 001 | | 008 |
| SA | 0845 | CLR | 20 | | | 134 | 69 | 37 | 30 | 02 | | 001 | | 008 |
| SA | 0952 | CLR | 20 | | | 134 | 76 | 37 | 28 | 05 | | 002 | 207 50 | 008 |
| SA | 1053 | CLR | 20 | | | 130 | 78 | 39 | 25 | 06 | | 001 | | 008 |
| SA | 1151 | CLR | 20 | | | 123 | 81 | 39 | 24 | 10 | | 998 | | 008 |
| SA | 1253 | CLR | 20 | | | 115 | 82 | 40 | 24 | 10 | | 996 | 817 | 008 |
| SA | 1354 | CLR | 20 | | | 107 | 83 | 38 | 24 | 10G | 17 | 994 | | 008 |
| SA | 1450 | CLR | 20 | | | 108 | 81 | 39 | 28 | 08 | | 994 | | 008 |
| SA | 1555 | CLR | 20 | | | 104 | 82 | 36 | 24 | 13 | | 993 | 710 83 RADAT 58L121128135 | EP |
| SA | 1651 | CLR | 20 | | | 103 | 79 | 35 | 23 | 11 | | 992 | | EP |
| SA | 1750 | CLR | 20 | | | 109 | 74 | 36 | 24 | 07 | | 993 | | EP |
| SA | 1852 | CLR | 20 | | | 118 | 68 | 35 | 06 | 04 | | 994 | 303 | EP |
| SA | 1951 | CLR | 20 | | | 118 | 66 | 35 | 03 | 07 | | 995 | | EP |
| SA | 2051 | CLR | 20 | | | 120 | 65 | 35 | 08 | 05 | | 996 | | EP |
| SA | 2151 | CLR | 20 | | | 118 | 64 | 34 | 36 | 03 | | 996 | 107 83 | EP |
| SA | 2250 | CLR | 20 | | | 116 | 62 | 35 | 10 | 08 | | 996 | | EP |
| SA | 2350 | CLR | 20 | | | 116 | 60 | 35 | 04 | 03 | | 996 | | 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 $6RRR_{t_R}$ $7wwW_1W_2$ $8N_hC_LC_MC_H$

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: 09 OCT 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 | 26.570 | 59.4 | 46.5 | 37 | 0 | | | | | | | | | | | | | | | 0 | 4 | .000 | | | 00-01 |
| 01 52 | 26.560 | 56.5 | 45.0 | 40 | 0 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 50 | 26.560 | 56.8 | 45.2 | 40 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 55 | 26.570 | 53.7 | 44.0 | 46 | 0 | | | | | | | | | | | | | | | 0 | 5 | .000 | | | 03-04 |
| 04 50 | 26.570 | 53.1 | 43.6 | 47 | 0 | | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 05 50 | 26.580 | 52.0 | 43.2 | 49 | 0 | | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 06 50 | 26.590 | 58.8 | 47.2 | 42 | 0 | | | | | | | | | | | | | | | 0 | 3 | .020 | | | 06-07 |
| 07 51 | 26.600 | 64.3 | 49.5 | 34 | 0 | | | | | | | | | | | | | | | 0 | | | | | 07-08 |
| 08 45 | 26.600 | 68.8 | 51.8 | 31 | 0 | | | | | | | | | | | | | | | 0 | | | | | 08-09 |
| 09 52 | 26.610 | 75.6 | 54.6 | 24 | 0 | | | | | | | | | | | | | | | 0 | 2 | .020 | | | 09-10 |
| 10 53 | 26.600 | 78.2 | 56.2 | 24 | 0 | | | | | | | | | | | | | | | 0 | | | | | 10-11 |
| 11 51 | 26.580 | 81.3 | 57.7 | 23 | 0 | | | | | | | | | | | | | | | 0 | | | | | 11-12 |
| 12 53 | 26.560 | 82.2 | 58.1 | 22 | 0 | | | | | | | | | | | | | | | 0 | 8 | .050 | | | 12-13 |
| 13 54 | 26.540 | 82.6 | 57.8 | 21 | 0 | | | | | | | | | | | | | | | 0 | | | | | 13-14 |
| 14 50 | 26.540 | 81.2 | 57.4 | 22 | 0 | | | | | | | | | | | | | | | 0 | | | | | 14-15 |
| 15 55 | 26.530 | 81.8 | 57.2 | 20 | 0 | | | | | | | | | | | | | | | 0 | 7 | .030 | | | 15-16 |
| 16 51 | 26.520 | 79.2 | 55.5 | 20 | 0 | | | | | | | | | | | | | | | 0 | | | | | 16-17 |
| 17 50 | 26.530 | 74.0 | 53.8 | 25 | 0 | | | | | | | | | | | | | | | 0 | | | | | 17-18 |
| 18 52 | 26.540 | 68.2 | 51.1 | 30 | 0 | | | | | | | | | | | | | | | 0 | 3 | .010 | | | 18-19 |
| 19 51 | 26.550 | 65.7 | 50.1 | 32 | 0 | | | | | | | | | | | | | | | 0 | | | | | 19-20 |
| 20 51 | 26.560 | 64.8 | 49.7 | 33 | 0 | | | | | | | | | | | | | | | 0 | | | | | 20-21 |
| 21 51 | 26.560 | 64.0 | 49.0 | 33 | 0 | | | | | | | | | | | | | | | 0 | 1 | .020 | | | 21-22 |
| 22 50 | 26.560 | 62.3 | 48.5 | 36 | 0 | | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 23 50 | 26.560 | 60.2 | 47.5 | 39 | 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 0352 | | 0 | 0 | | 60 | 53 | | | | | | | | | | |
| | 0352 | 1 | 0 | 0 | 0 | 65 | 53 | | 0 | | | | | | | | |
| | 0848 | 2 | 0 | 0 | 0 | 78 | 50 | | 0 | | | | | | | | |
| | 1549 | 3 | 0 | 0 | 0 | 83 | 76 | | 0 | | | | | | | | |
| | 2147 | 4 | 0 | 0 | 0 | 82 | 64 | | 0 | | | | | | | | |
| | MID. | | 0 | 0 | 0 | 64 | 60 | | | | | | | | | | |

## STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0358 | 0851 | 1550 | 2148 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.570 | 26.610 | 26.530 | 26.560 |
| BAROGRAPH 64 | 26.560 | 26.605 | 26.525 | 26.550 |
| BAR. CORR. 65 | +.010 | +.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 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 83 | 50 | 0 | 0 | 0 | 21 | W | 1340 | | | | | 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 HOURLY WIND SPEED M.P.H. OR FASTEST MILE M.P.H. | ASSOCIATED DIRECTION | TIME

TIME CHECK - CLOCK AT: 0452P ±0 Sec./ 2048 ±0 Sec./ ± Sec.

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

U.S. G.P.O. 1982-564-608 1124

MF1-10A
(1-82)

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

STATION: WSMO, DESERT ROCK NEVADA

DATE: 10 OCT 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 (100°-36) (9) | WIND SPEED (Kts.) (10) | WIND CHARACTER (11) | ALTIMETER SETTING (Ins.) (12) | REMARKS AND SUPPLEMENTAL CODED DATA (13) | QC. INITIALS (14) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0050 | CLR | 20 | | | 115 | 59 | 34 | 05 | 07 | | 996 | 400 | EP |
| SA | 0151 | CLR | 20 | | | 116 | 57 | 34 | 07 | 07 | | 996 | | EP |
| SA | 0250 | CLR | 20 | | | 113 | 56 | 36 | 09 | 04 | | 995 | | EP |
| SA | 0351 | CLR | 20 | | | 120 | 54 | 36 | 12 | 02 | | 997 | 3573 53 RAAT 57121 | cos |
| SA | 0451 | CLR | 20 | | | 123 | 52 | 36 | 36 | 03 | | 997 | | cos |
| SA | 0550 | CLR | 20 | | | 125 | 53 | 34 | 13 | 02 | | 997 | | cos |
| SA | 0653 | CLR | 20 | | | 128 | 59 | 37 | 13 | 02 | | 998 | 303 | cos |
| SA | 0754 | CLR | 20 | | | 128 | 64 | 37 | 26 | 02 | | 998 | | cos |
| SA | 0851 | CLR | 20 | | | 128 | 71 | 40 | 28 | 02 | | 999 | | cos |
| SA | 0950 | CLR | 20 | | | 122 | 76 | 40 | 29 | 04 | | 998 | 802 50 | cos |
| SA | 1051 | CLR | 20 | | | 117 | 81 | 41 | 28 | 14G20 | | 997 | | cos |
| SA | 1155 | CLR | 20 | | | 111 | 81 | 41 | 23 | 16G21 | | 995 | | cos |
| SA | 1252 | CLR | 20 | | | 100 | 82 | 41 | 22 | 10G22 | | 992 | 819 1100 | cos |
| SA | 1354 | CLR | 20 | | | 097 | 81 | 42 | 23 | 11G18 | | 991 | | cos |
| SA | 1445 | CLR | 20 | | | 097 | 81 | 41 | 21 | 17G23 | | 991 | | cos |
| SA | 1550 | CLR | 20 | | | 090 | 80 | 36 | 18 | 15G22 | | 988 | 810 1100 82 RAPAT 20135 | EP |
| SA | 1650 | CLR | 20 | | | 093 | 77 | 38 | 20 | 13 | | 988 | | EP |
| SA | 1750 | CLR | 20 | | | 095 | 73 | 37 | 19 | 08 | | 988 | | EP |
| SA | 1850 | CLR | 20 | | | 097 | 70 | 37 | 17 | 08 | | 990 | 303 1001 | EP |
| SA | 1953 | CLR | 20 | | | 093 | 68 | 36 | 17 | 08 | | 988 | | EP |
| SA | 2052 | CLR | 20 | | | 089 | 69 | 38 | 16 | 07 | | 988 | | EP |
| SA | 2150 | ~~CLR~~ 250-SCT | 20 | | | 086 | 67 | 36 | 14 | 06 | | 988 | 603 1105 82 | EP |
| SA | 2251 | E250 BKN | 20 | | | 078 | 70 | 41 | 20 | 12 | | 987 | | EP |
| SA | 2350 | E250 BKN | 20 | | | 074 | 70 | 42 | 20 | 17G26 | | 986 | | 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 $1s_nTTT$ $2s_nT_dT_dT_d$ $3P_0P_0P_0P_0$ 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. 1982-564-006/1123

MF1-10B
(1-82)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: **WSMO, DESERT ROCK NEVADA**

DATE: 10 OCT 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 | 26.560 | 59.2 | 46.9 | 39 | 0 | | | | | | | | | | | | | | | 0 | 4 | .000 | | | 00-01 |
| 01 51 | 26.560 | 56.8 | 45.8 | 43 | 0 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 50 | 26.550 | 56.2 | 46.0 | 46 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 51 | 26.570 | 54.4 | 45.1 | 49 | 0 | | | | | | | | | | | | | | | 0 | 3 | .010 | | | 03-04 |
| 04 54 | 26.570 | 51.6 | 44.0 | 55 | 0 | | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 05 50 | 26.570 | 53.0 | 43.9 | 48 | 0 | | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 06 53 | 26.580 | 59.0 | 47.7 | 44 | 0 | | | | | | | | | | | | | | | 0 | 3 | .010 | | | 06-07 |
| 07 54 | 26.580 | 64.1 | 50.1 | 37 | 0 | | | | | | | | | | | | | | | 0 | | | | | 07-08 |
| 08 51 | 26.590 | 71.0 | 54.0 | 33 | 0 | | | | | | | | | | | | | | | 0 | | | | | 08-09 |
| 09 50 | 26.575 | 76.3 | 56.0 | 27 | 0 | | | | | | | | | | | | | | | 0 | 8 | .005 | | | 09-10 |
| 10 51 | 26.570 | 80.7 | 58.1 | 25 | 0 | | | | | | | | | | | | | | | 0 | | | | | 10-11 |
| 11 55 | 26.550 | 80.6 | 58.0 | 25 | 0 | | | | | | | | | | | | | | | 0 | | | | | 11-12 |
| 12 52 | 26.520 | 82.1 | 58.4 | 23 | 0 | 0 | CU | 70 | | | | | | | | | | | | 0 | 8 | .055 | | | 12-13 |
| 13 54 | 26.510 | 81.4 | 58.5 | 24 | 0 | | | | | | | | | | | | | | | 0 | | | | | 13-14 |
| 14 48 | 26.510 | 80.8 | 58.0 | 24 | 0 | | | | | | | | | | | | | | | 0 | | | | | 14-15 |
| 15 50 | 26.490 | 79.8 | 56.1 | 21 | 0 | 0 | CU | 80 | | | | | | | | | | | | 0 | 8 | .030 | | | 15-16 |
| 16 50 | 26.490 | 77.0 | 55.5 | 24 | 0 | | | | | | | | | | | | | | | 0 | | | | | 16-17 |
| 17 50 | 26.490 | 73.0 | 53.5 | 26 | 0 | | | | | | | | | | | | | | | 0 | | | | | 17-18 |
| 18 50 | 26.500 | 70.3 | 52.6 | 30 | 0 | 0 | CI | 250 | | | | | | | | | | | | 0 | 3 | .010 | | | 18-19 |
| 19 53 | 26.490 | 68.0 | 51.4 | 31 | 0 | | | | | | | | | | | | | | | 0 | | | | | 19-20 |
| 20 52 | 26.490 | 69.2 | 52.5 | 32 | 0 | | | | | | | | | | | | | | | 0 | | | | | 20-21 |
| 21 50 | 26.490 | 67.0 | 50.8 | 32 | 1 | 0 | CU | 80 | 1 | CS | 250 | 1 | | | | | | | | 0 | 6 | .010 | | | 21-22 |
| 22 51 | 26.480 | 69.8 | 53.8 | 35 | 7 | | | | | | | | | | | | | | | 4 | | | | | 22-23 |
| 23 50 | 26.470 | 70.4 | 54.5 | 36 | 9 | | | | | | | | | | | | | | | 5 | | | | | 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 | | 0 | 0 | | 60 | 53 | | | | | | | | | | |
| | 0347 | 1 | 0 | 0 | 0 | 64 | 53 | | 0 | | | | | | | | |
| | 0947 | 2 | 0 | 0 | 0 | 79 | 50 | | 0 | | | | | | | | |
| | 1546 | 3 | 0 | 0 | 0 | 82 | 76 | | 0 | | | | | | | | |
| | 2146 | 4 | 0 | 0 | 0 | 80 | 67 | | 0 | | | | | | | | |
| | MID. | | 0 | 0 | 0 | 70 | 67 | | | | | | | | | | |

## STATION PRESSURE COMPUTATIONS

| TIME (L.S.T.) 59 | 0550 | 0949 | 1547 | 2147 |
|---|---|---|---|---|
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.570 | 26.575 | 26.490 | 26.490 |
| BAROGRAPH 64 | 26.555 | 26.575 | 26.490 | 26.480 |
| BAR. CORR. 65 | +.015 | ±0 | 0 | +.010 |

## SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

| 24-HR. MAX. TEMP. (°F) 66 | 24-HR. MIN. TEMP. (°F) 67 | 24-HR. PRECIP. WATER EQUIV. (Ins.) 68 | 24-HR. SNOWFALL UNML TD (Ins.) 69 | SNOW DEPTH (Ins.) 70 | PEAK WIND SPEED (Kts.) 71 | PEAK WIND DIRECTION 72 | PEAK WIND TIME (L.S.T.) 73 | THICKNESS OF ICE ON WATER (Ins.) 74 | FROZEN GROUND LAYER (Ins.) TOP 75 | FROZEN GROUND LAYER (Ins.) BASE 76 | RIVER GAGE 77 | SKY COVER SUNRISE TO SUNSET 78 | SKY COVER MIDNIGHT TO MIDNIGHT 79 | WATER EQUIV. (Ins.) 80 | 81 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 82 | 50 | 0 | 0 | .0 | 28 | SW | 1201 | | | | | 0 | 1 | | |

## 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: 1210P @0 Sec./ 2130 @0 Sec./ ± Sec.

2150/2150 03512/ATP 303/0900 12T

## WEATHER & OBSTRUCTIONS TO VISION

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



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 **11 OCT 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) | OBSERVER'S INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0053 | E250 OVC | 20 | | | 076 | 70 | 41 | 19 | 13 | | 987 | 505 1007 | EP |
| SA | 0151 | 250-OVC | 20 | | | 071 | 69 | 41 | 17 | 15 | G23 | 985 | | EP |
| SA | 0250 | 250-BKN | 20 | | | 071 | 68 | 41 | 17 | 10 | | 985 | | EP |
| SA | 0357 | 250 SCT | 20 | | | 065 | 67 | 41 | 18 | 14 | | 983 | 712 1008 64 RADAT 32130 | CRD |
| SA | 0456 | E250 BKN | 20 | | | 068 | 69 | 40 | 19 | 15 | G24 | 984 | | CRD |
| SA | 0555 | 140 SCT E250 BKN | 20 | | | 065 | 68 | 39 | 17 | 10 | G20 | 982 | | CRD |
| SA | 0654 | 140 SCT E250 OVC | 20 | | | 072 | 67 | 41 | 23 | 08 | G17 | 984 | 202 1077 | CRD |
| SA | 0753 | 140 SCT E250 OVC | 20 | | | 073 | 68 | 36 | 18 | 23 | G33 | 984 | ACSL SE | CRD |
| SA | 0852 | 140 SCT E250 OVC | 20 | | | 069 | 70 | 33 | 18 | 18 | G32 | 983 | ACSL ALQDS | CRD |
| SA | 0950 | 140 SCT E230 OVC | 20 | | | 065 | 71 | 36 | 18 | 24 | G37 | 982 | ACSL ALQDS*/505 1047 64 | CRD |
| | | | | | | | | | | | | | * PK WND 1831/48 | |
| SA | 1056 | 100 SCT 140 SCT E230 BKN | 20 | | | 065 | 71 | 35 | 19 | 26 | G42 | 982 | ACSL ALQDS PK WND 1942/47 | CRD |
| SA | 1155 | 100 SCT 140 SCT E230 BKN | 20 | | | 064 | 73 | 38 | 19 | 25 | G42 | 982 | ACSL ALQDS PK WND 1942/52 | CRD |
| SA | 1257 | 100 SCT 140 SCT E230 OVC | 20 | | | 052 | 73 | 41 | 20 | 22 | G33 | 979 | ACSL ALQDS PK WND 2043/31/ | CRD |
| | | | | | | | | | | | | | 810 1047 | |
| SA | 1358 | 100 SCT 140 SCT E230 OVC | 20 | | | 059 | 71 | 43 | 20 | 24 | G34 | 980 | ACSL ALQDS PK WND 2037/43 | CRD |
| SA | 1454 | 100 SCT E230 OVC | 20 | | | 059 | 69 | 45 | 19 | 26 | G36 | 980 | CUS ACSL ALQDS PK WND 2043/18 | CRD |
| SA | 1552 | 50 SCT E110 BKN 250 OVC | 20 | | | 065 | 67 | 46 | 21 | 19 | G30 | 981 | ACSL SE 307 1247 | |
| | | | | | | | | | | | | | 75 RADAT 43123 | HS |
| SA | 1655 | 50 SCT E110 BKN 250 BKN | 20 | | | 069 | 66 | 45 | 22 | 11 | G26 | 982 | | HS |
| SA | 1750 | 50 SCT E110 BKN 250 BKN | 20 | | | 076 | 66 | 46 | 22 | 12 | | 984 | | HS |
| SA | 1853 | 110 SCT 250-SCT | 20 | | | 081 | 65 | 48 | 20 | 15 | | 986 | 214 1078 | HS |
| SA | 1952 | 110 SCT 250-SCT | 20 | | | 092 | 64 | 47 | 25 | 11 | | 989 | | HS |
| SA | 2051 | 130 SCT | 20 | | | 089 | 63 | 45 | 24 | 12 | G21 | 988 | | HS |
| SA | 2153 | E150 BKN | 20 | | | 096 | 62 | 45 | 25 | 13 | | 990 | 114 1070 75 | HS |
| SA | 2250 | 150 SCT | 20 | | | 107 | 61 | 47 | 25 | 11 | | 993 | | HS |
| SA | 2350 | 150 SCT | 20 | | | 119 | 60 | 45 | 36 | 05 | | 997 | | HS |

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

FM12-VII: IIiii $i_R i_x h$VV Nddff $1s_n$TTT $2s_n T_d T_d T_d$ $3P_oP_oP_oP_o$ 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: 11 OCT 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 53 | 26.475 | 70.0 | 54.0 | 35 | 10 | 10 | CS | E250 | | | | | | | | | | | | 8 | 5 | .015 | | | 00-01 |
| 01 51 | 26.460 | 68.8 | 53.4 | 36 | 10 | | | | | | | | | | | | | | | 4 | | | | | 01-02 |
| 02 50 | 26.455 | 67.7 | 53.0 | 38 | 7 | | | | | | | | | | | | | | | 3 | | | | | 02-03 |
| 03 57 | 26.440 | 67.0 | 52.8 | 39 | 5 | 5 | CS | 250 | | | | | | | | | | | | 5 | 7 | .035 | | | 03-04 |
| 04 56 | 26.445 | 68.4 | 53.0 | 35 | 6 | | | | | | | | | | | | | | | 6 | | | | | 04-05 |
| 05 55 | 26.430 | 68.1 | 52.4 | 34 | 8 | | | | | | | | | | | | | | | 8 | | | | | 05-06 |
| 06 54 | 26.445 | 67.2 | 53.0 | 39 | 10 | 4 | AC | 140 | 6 | CS | E250 | 10 | | | | | | | | 8 | 2 | .005 | | | 06-07 |
| 07 53 | 26.445 | 67.7 | 51.2 | 31 | 10 | | | | | | | | | | | | | | | 8 | | | | | 07-08 |
| 08 52 | 26.435 | 69.9 | 51.2 | 26 | 10 | | | | | | | | | | | | | | | 8 | | | | | 08-09 |
| 09 50 | 26.430 | 71.1 | 52.6 | 28 | 10 | 5 | AC | 140 | 5 | CS | E230 | 10 | | | | | | | | 10 | 8 | .015 | | | 09-10 |
| 10 56 | 26.430 | 71.3 | 52.2 | 26 | 9 | | | | | | | | | | | | | | | 8 | | | | | 10-11 |
| 11 55 | 26.430 | 72.9 | 54.0 | 28 | 9 | | | | | | | | | | | | | | | 8 | | | | | 11-12 |
| 12 57 | 26.400 | 73.0 | 55.2 | 32 | 10 | 4 | AC | 100 | 1 | AC | 140 | 5 | 5 | CS | E230 | 10 | | | | 9 | 8 | .030 | | | 12-13 |
| 13 58 | 26.410 | 71.2 | 55.0 | 36 | 10 | | | | | | | | | | | | | | | 9 | | | | | 13-14 |
| 14 54 | 26.410 | 68.7 | 54.9 | 42 | 10 | | | | | | | | | | | | | | | 9 | | | | | 14-15 |
| 15 52 | 26.420 | 67.2 | 55.0 | 47 | 10 | 1 | CU | 50 | 6 | AC | E110 | 7 | 3 | CS | 250 | 10 | | | | 10 | 3 | .020 | | | 15-16 |
| 16 55 | 26.430 | 66.4 | 54.4 | 47 | 9 | | | | | | | | | | | | | | | 9 | | | | | 16-17 |
| 17 50 | 26.450 | 66.4 | 54.6 | 48 | 9 | | | | | | | | | | | | | | | 9 | | | | | 17-18 |
| 18 53 | 26.460 | 64.7 | 54.8 | 54 | 4 | 1 | AC | 110 | 3 | CS | 250 | 4 | | | | | | | | 2 | 2 | .040 | | | 18-19 |
| 19 52 | 26.490 | 63.8 | 53.9 | 54 | 5 | | | | | | | | | | | | | | | 2 | | | | | 19-20 |
| 20 51 | 26.480 | 63.1 | 52.7 | 51 | 4 | | | | | | | | | | | | | | | 4 | | | | | 20-21 |
| 21 53 | 26.500 | 62.3 | 52.6 | 53 | 6 | 6 | AC | E150 | | | | | | | | | | | | 6 | 1 | .040 | | | 21-22 |
| 22 50 | 26.525 | 60.6 | 52.7 | 60 | 2 | | | | | | | | | | | | | | | 2 | | | | | 22-23 |
| 23 50 | 26.560 | 59.6 | 51.6 | 59 | 2 | | | | | | | | | | | | | | | 2 | | | | | 23-24 |

## SYNOPTIC OBSERVATIONS

| TIME (G.M.T.) 41 | TIME (L.S.T.) | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | P MID. TO 0350 | | 0 | 0 | | 70 | 64 | | | | | | | | | | |
| | 0350 | 1 | 0 | 0 | 0 | 70 | 64 | | 0 | | | | | | | | |
| | 0946 | 2 | 0 | 0 | 0 | 73 | 67 | | 0 | | | | | | | | |
| | 1548 | 3 | 0 | 0 | 0 | 75 | 65 | | 0 | | | | | | | | |
| | 2149 | 4 | 0 | 0 | 0 | 67 | 61 | | 0 | | | | | | | | |
| | MID. | | 0 | 0 | 0 | 62 | 57 | | | | | | | | | | |

## STATION PRESSURE COMPUTATIONS

| TIME (L.S.T.) 59 | 0356 | 0949 | 1551 | 2152 |
|---|---|---|---|---|
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.440 | 26.430 | 26.420 | 26.500 |
| BAROGRAPH 64 | 26.435 | 26.435 | 26.420 | 26.500 |
| 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 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 75 | 57 | 0 | 0 | 0 | *43 | S | 1418 | | | | | 10 | 8 | | |

## WEATHER & OBSTRUCTIONS TO VISION

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

## 90. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE SUNSET

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

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

TIME CHECK - CLOCK AT: 0800P ±2 Sec./ 2000P ±2 Sec./ ± Sec.

*LAST OF 2 OCCURRENCES.



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 **12 OCT 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 (Inches) (12) | REMARKS AND SUPPLEMENTAL CODED DATA (13) | OBSERVER'S INITIALS (14) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0057 | 150 SCT | 20 | | | 128 | 56 | 46 | 35 | 07 | | 999 | 227 1070 | HS |
| SA | 0151 | 150 SCT | 20 | | | 132 | 58 | 36 | 02 | 10 | | 000 | | HS |
| SA | 0250 | CLR | 20 | | | 139 | 55 | 37 | 03 | 12 | G21 | 001 | | HS |
| SA | 0355 | CLR | 20 | | | 151 | 53 | 37 | 05 | 13 | G20 | 004 | 217 1001 53 RADAT 94096 | CRD |
| SA | 0455 | CLR | 20 | | | 164 | 53 | 37 | 06 | 10 | | 007 | FEW AC C1 | CRD |
| SA | 0554 | CLR | 20 | | | 168 | 52 | 34 | 05 | 12 | | 008 | | CRD |
| SA | 0656 | CLR | 20 | | | 184 | 54 | 34 | 04 | 14 | G22 | 013 | 227 | CRD |
| SA | 0754 | CLR | 20 | | | 197 | 56 | 32 | 06 | 13 | G20 | 017 | | CRD |
| SA | 0850 | CLR | 20 | | | 204 | 58 | 34 | 01 | 11 | | 019 | | CRD |
| SA | 0954 | CLR | 20 | | | 202 | 61 | 31 | 04 | 12 | | 019 | 119 51 | CRD |
| SA | 1050 | CLR | 20 | | | 196 | 64 | 35 | 03 | 10 | | 017 | | CRD |
| SA | 1152 | CLR | 20 | | | 188 | 66 | 29 | 01 | 12 | | 016 | | CRD |
| SA | 1252 | CLR | 20 | | | 187 | 68 | 29 | 05 | 10 | | 015 | 612 | CRD |
| SA | 1351 | CLR | 20 | | | 182 | 71 | 23 | 03 | 12 | | 014 | | CRD |
| SA | 1454 | CLR | 20 | | | 188 | 70 | 27 | 01 | 11 | | 015 | | CRD |
| SA | 1551 | CLR | 20 | | | 180 | 71 | 31 | 04 | 11 | | 013 | 807 1001 72 RADAT 36141 | HS |
| SA | 1651 | CLR | 20 | | | 185 | 70 | 30 | 05 | 09 | | 014 | | HS |
| SA | 1750 | 250 - SCT | 20 | | | 190 | 67 | 30 | 10 | 08 | | 015 | | HS |
| SA | 1850 | CLR | 20 | | | 195 | 63 | 29 | 12 | 09 | | 016 | 210 | HS |
| SA | 1952 | CLR | 20 | | | 205 | 60 | 34 | 19 | 02 | | 018 | | HS |
| SA | 2051 | CLR | 20 | | | 205 | 60 | 29 | 05 | 04 | | 019 | | HS |
| SA | 2152 | CLR | 20 | | | 205 | 55 | 32 | 36 | 05 | | 018 | 007 1001 72 | HS |
| SA | 2251 | CLR | 20 | | | 202 | 56 | 34 | 03 | 04 | | 018 | | HS |
| SA | 2351 | CLR | 20 | | | 205 | 55 | 27 | 10 | 06 | | 020 | | HS |

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

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

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

☆ U.S. G.P.O. 1982-564-008/1123

MF1-10B (1-82)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: **WSMO, DESERT ROCK NEVADA**

DATE: 12 OCT 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 57 | 26.580 | 56.3 | 50.7 | 69 | 1 | 1 | Ac | 150 | | | | | | | | | | | | 1 | 2 | .080 | | | 00-01 |
| 01 51 | 26.590 | 57.9 | 46.9 | 44 | 1 | | | | | | | | | | | | | | | 1 | | | | | 01-02 |
| 02 50 | 26.600 | 55.1 | 46.2 | 51 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 55 | 26.630 | 53.3 | 45.2 | 54 | 0 | 0 | Ci | 250 | | | | | | | | | | | | 0 | 2 | .050 | | | 03-04 |
| 04 55 | 26.660 | 52.7 | 44.7 | 54 | 0 | | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 05 54 | 26.670 | 52.2 | 43.3 | 49 | 0 | | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 06 56 | 26.710 | 53.5 | 44.0 | 47 | 0 | | | | | | | | | | | | | | | 0 | 2 | .080 | | | 06-07 |
| 07 54 | 26.745 | 55.7 | 44.3 | 40 | 0 | | | | | | | | | | | | | | | 0 | | | | | 07-08 |
| 08 50 | 26.765 | 58.2 | 46.3 | 40 | 0 | | | | | | | | | | | | | | | 0 | | | | | 08-09 |
| 09 54 | 26.765 | 61.1 | 46.7 | 32 | 0 | | | | | | | | | | | | | | | 0 | 1 | .055 | | | 09-10 |
| 10 50 | 26.750 | 63.8 | 49.0 | 33 | 0 | | | | | | | | | | | | | | | 0 | | | | | 10-11 |
| 11 52 | 26.735 | 66.4 | 48.4 | 25 | 0 | | | | | | | | | | | | | | | 0 | | | | | 11-12 |
| 12 52 | 26.730 | 68.2 | 49.2 | 23 | 0 | | | | | | | | | | | | | | | 0 | 6 | .035 | | | 12-13 |
| 13 51 | 26.720 | 71.0 | 48.8 | 16 | 0 | | | | | | | | | | | | | | | 0 | | | | | 13-14 |
| 14 54 | 26.730 | 70.3 | 49.6 | 20 | 0 | | | | | | | | | | | | | | | 0 | | | | | 14-15 |
| 15 51 | 26.710 | 71.1 | 50.8 | 22 | 0 | 0 | Ci | 250 | | | | | | | | | | | | 0 | 8 | .020 | | | 15-16 |
| 16 51 | 26.720 | 69.8 | 50.0 | 22 | 0 | | | | | | | | | | | | | | | 0 | | | | | 16-17 |
| 17 50 | 26.730 | 67.3 | 49.0 | 25 | 3 | | | | | | | | | | | | | | | 0 | | | | | 17-18 |
| 18 50 | 26.740 | 63.0 | 47.0 | 28 | 0 | | | | | | | | | | | | | | | 0 | 2 | .030 | | | 18-19 |
| 19 52 | 26.760 | 59.8 | 46.9 | 37 | 0 | | | | | | | | | | | | | | | 0 | | | | | 19-20 |
| 20 51 | 26.765 | 59.7 | 45.3 | 31 | 0 | | | | | | | | | | | | | | | 0 | | | | | 20-21 |
| 21 52 | 26.760 | 55.0 | 44.0 | 41 | 0 | 0 | Ci | 250 | | | | | | | | | | | | 0 | 0 | .020 | | | 21-22 |
| 22 51 | 26.760 | 55.9 | 45.1 | 43 | 0 | | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 23 51 | 26.770 | 55.2 | 42.6 | 34 | 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 0350 | | 0 | 0 | | 60 | 53 | | | | | | | | | | |
| | 0350 | 1 | 0 | 0 | 0 | 62 | 53 | | 0 | | | | | | | | |
| | 0949 | 2 | 0 | 0 | 0 | 62 | 51 | | 0 | | | | | | | | |
| | 1547 | 3 | 0 | 0 | 0 | 72 | 60 | | 0 | | | | | | | | |
| | 2148 | 4 | 0 | 0 | 0 | 71 | 53 | | 0 | | | | | | | | |
| | MID. | | 0 | 0 | 0 | 56 | 55 | | | | | | | | | | |

## STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0354 | 0953 | 1550 | 2151 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.630 | 26.765 | 26.710 | 26.760 |
| BAROGRAPH 64 | 26.630 | 26.765 | 26.726 | 26.770 |
| BAR. CORR. 65 | 0 | 0 | -.016 | -.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 UNALTO (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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 72 | 51 | 0 | 0 | 0 | 22 | NE | 0655 | | | | | 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: 0700P ±2 Sec./ 1900P ±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 NEVADA

DATE: 13 OCT 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) | C.O. NEXRAD NITAS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0052 | CLR | 20 | | | 208 | 51 | 31 | 12 | 07 | | 020 | 105 | HS |
| SA | 0150 | CLR | 20 | | | 201 | 52 | 32 | 32 | 07 | | 018 | | HS |
| SA | 0250 | CLR | 20 | | | 194 | 50 | 30 | 11 | 03 | | 016 | | HS |
| SA | 0352 | 250 SCT | 20 | | | 191 | 50 | 30 | 09 | 05 | | 015 | 715 1001 47 RADAT 40138 | CRD |
| SA | 0453 | 250- SCT | 20 | | | 191 | 48 | 29 | 05 | 03 | | 015 | | CRD |
| SA | 0554 | 250-SCT | 20 | | | 197 | 47 | 30 | 10 | 07 | | 016 | | CRD |
| SA | 0650 | 250-SCT | 20 | | | 198 | 52 | 29 | 08 | 05 | | 016 | 303 1001 | CRD |
| SA | 0751 | 250-SCT | 20 | | | 196 | 57 | 31 | 17 | 04 | | 016 | | CRD |
| SA | 0850 | CLR | 20 | | | 190 | 65 | 33 | 36 | 03 | | 015 | FEW Ci | CRD |
| SA | 0957 | CLR | 20 | | | 187 | 70 | 33 | 20 | 09 | | 015 | 603 1001 46 | CRD |
| SA | 1050 | CLR | 20 | | | 176 | 73 | 37 | 20 | 10 | | 013 | FEW Ci NW | CRD |
| SA | 1155 | 250-SCT | 20 | | | 166 | 76 | 36 | 23 | 12 | | 010 | | CRD |
| SA | 1253 | 250-SCT | 20 | | | 152 | 77 | 39 | 22 | 08 | | 005 | 730 1001 | CRD |
| SA | 1355 | 250-SCT | 20 | | | 139 | 79 | 38 | 24 | 11 | G18 | 002 | | CRD |
| SA | 1450 | 250-SCT | 20 | | | 132 | 80 | 40 | 24 | 14 | | 999 | | CRD |
| SA | 1550 | 250- BKN | 20 | | | 125 | 79 | 42 | 25 | 10 | | 998 | 710 1008 80 RADAT 56138 | HS |
| SA | 1652 | 250-SCT | 20 | | | 123 | 76 | 41 | 25 | 13 | | 997 | | HS |
| SA | 1751 | 250 - SCT | 20 | | | 118 | 73 | 40 | 23 | 04 | | 994 | | HS |
| SA | 1850 | 250 - SCT | 20 | | | 109 | 71 | 40 | 26 | 06 | | 992 | 717 1008 | HS |
| SA | 1951 | 250 - SCT | 20 | | | 106 | 69 | 38 | 02 | 09 | | 992 | | HS |
| SA | 2052 | 250 - SCT | 20 | | | 101 | 67 | 39 | 35 | 07 | | 991 | | HS |
| SA | 2150 | 250 - SCT | 20 | | | 101 | 65 | 37 | 09 | 05 | | 992 | 500 1008 80 | HS |
| SA | 2251 | 250 - SCT | 20 | | | 101 | 63 | 39 | 15 | 04 | | 992 | | HS |
| SA | 2350 | CLR | 20 | | | 100 | 62 | 37 | 07 | 05 | | 992 | | HS |

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

FM12-VII: Iliii $i_R i_x$hVV Nddff $1s_nTTT$ $2s_nT_dT_dT_d$ $3P_oP_oP_oP_o$ 4PPPP 5appp 6RRR$t_R$ 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: 13 OCT 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 | 26.775 | 51.3 | 42.0 | 46 | 0 | | | | | | | | | | | | | | | 0 | 1 | .015 | | | 00-01 |
| 01 50 | 26.760 | 52.1 | 42.8 | 47 | 0 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 50 | 26.740 | 50.2 | 41.1 | 46 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 52 | 26.730 | 50.3 | 41.2 | 46 | 1 | 1 | Ci | 250 | | | | | | | | | | | | 1 | 7 | .045 | | | 03-04 |
| 04 53 | 26.730 | 47.5 | 39.3 | 48 | 1 | | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 05 54 | 26.735 | 47.0 | 39.4 | 51 | 1 | | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 06 50 | 26.740 | 51.8 | 41.7 | 42 | 1 | 1 | Ci | 250 | | | | | | | | | | | | 0 | 3 | .010 | | | 06-07 |
| 07 51 | 26.740 | 57.4 | 45.0 | 37 | 1 | | | | | | | | | | | | | | | 0 | | | | | 07-08 |
| 08 50 | 26.730 | 65.2 | 49.2 | 30 | 0 | | | | | | | | | | | | | | | 0 | | | | | 08-09 |
| 09 57 | 26.730 | 70.4 | 51.2 | 25 | 0 | 0 | Ci | 250 | | | | | | | | | | | | 0 | 6 | .010 | | | 09-10 |
| 10 50 | 26.705 | 73.1 | 53.7 | 27 | 0 | | | | | | | | | | | | | | | 0 | | | | | 10-11 |
| 11 55 | 26.680 | 76.3 | 54.7 | 23 | 2 | | | | | | | | | | | | | | | 1 | | | | | 11-12 |
| 12 53 | 26.640 | 76.7 | 55.8 | 26 | 2 | 2 | Ci | 250 | | | | | | | | | | | | 1 | 7 | .090 | | | 12-13 |
| 13 55 | 26.610 | 79.0 | 56.2 | 23 | 3 | | | | | | | | | | | | | | | 1 | | | | | 13-14 |
| 14 50 | 26.590 | 80.2 | 57.4 | 24 | 5 | | | | | | | | | | | | | | | 2 | | | | | 14-15 |
| 15 50 | 26.570 | 78.6 | 57.6 | 27 | 8 | 8 | Cs | 250 | | | | | | | | | | | | 3 | 7 | .070 | | | 15-16 |
| 16 52 | 26.560 | 76.2 | 56.3 | 28 | 3 | | | | | | | | | | | | | | | 1 | | | | | 16-17 |
| 17 51 | 26.540 | 72.5 | 54.6 | 31 | 5 | | | | | | | | | | | | | | | 2 | | | | | 17-18 |
| 18 50 | 26.520 | 71.1 | 53.8 | 32 | 4 | 4 | Cs | 250 | | | | | | | | | | | | 1 | 7 | .050 | | | 18-19 |
| 19 51 | 26.520 | 69.1 | 52.4 | 32 | 1 | | | | | | | | | | | | | | | 0 | | | | | 19-20 |
| 20 52 | 26.510 | 67.1 | 51.8 | 35 | 1 | | | | | | | | | | | | | | | 0 | | | | | 20-21 |
| 21 50 | 26.520 | 65.2 | 50.3 | 35 | 1 | 1 | Cs | 250 | | | | | | | | | | | | 0 | 5 | .000 | | | 21-22 |
| 22 51 | 26.520 | 62.9 | 50.1 | 41 | 5 | | | | | | | | | | | | | | | 1 | | | | | 22-23 |
| 23 50 | 26.520 | 62.0 | 49.0 | 39 | 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 | 55 | 47 | X | X | | | | | | X | | |
| | 0348 | 1 | 0 | 0 | 0 | 56 | 47 | | 0 | | | | | | | | |
| | 0950 | 2 | 0 | 0 | 0 | 72 | 46 | | 0 | | | | | | | | |
| | 1546 | 3 | 0 | 0 | 0 | 80 | 70 | | 0 | | | | | | | | |
| | 2147 | 4 | 0 | 0 | 0 | 79 | 63 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 65 | 61 | X | X | | | | | | X | | |

## STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0350 | 0953 | 1549 | 2150 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.730 | 26.730 | 26.570 | 26.520 |
| BAROGRAPH 64 | 26.730 | 26.730 | 26.570 | 26.515 |
| BAR. CORR. 65 | -.010 | 0* | ±0 | +.005 |

## SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

| 24-HR. MAX. TEMP. (°F) 66 | 24-HR. MIN. TEMP. (°F) 67 | 24-HR. PRECIP. WATER EQUIV. (Ins.) 68 | 24-HR. SNOWFALL UNMLTD (Ins.) 69 | SNOW DEPTH (Ins.) 70 | PEAK WIND SPEED (Kts.) 71 | PEAK WIND DIRECTION 72 | PEAK WIND TIME (L.S.T.) 73 | THICKNESS OF ICE ON WATER (Ins.) 74 | FROZEN GROUND LAYER 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 80 | 46 | 0 | 0 | 0 | 18 | SW | 1353 | | | | | 2 | 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: 0900P ±0 Sec. / 2000P ±0 Sec. / ± Sec.

* BAROGRAPH CHART CHANGED & SET TO ZULU CLK.

[illegible]

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 NEVADA

DATE: 14 OCT 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 | 0053 | 250 - SCT | 20 | | | 098 | 65 | 40 | 04 | 08 | | 992 | 802 1008 | HS |
| SA | 0154 | 250 - BKN | 20 | | | 094 | 64 | 40 | 05 | 12 | G24 | 991 | | HS |
| SA | 0250 | 250 - BKN | 20 | | | 094 | 62 | 37 | 05 | 12 | G21 | 991 | | HS |
| SA | 0351 | 250 - BKN | 20 | | | 098 | 61 | 32 | 04 | 17 | | 992 | 302 1003 57 RADAT 47126 | RD |
| SA | 0451 | 250 - BKN | 20 | | | 114 | 60 | 33 | 04 | 20 | | 996 | | RD |
| SA | 0551 | 100 SCT E250 BKN | 20 | | | 130 | 60 | 29 | 03 | 20 | | 997 | | RD |
| SA | 0651 | 100 SCT E250 BKN | 20 | | | 131 | 57 | 29 | 07 | 06 | | 000 | 224 1058 | RD |
| SA | 0750 | 100 SCT 250 - BKN | 20 | | | 135 | 58 | 29 | 06 | 11 | G21 | 000 | | RD |
| SA | 0850 | 250 - OVC | 20 | | | 136 | 61 | 29 | 02 | 18 | | 001 | | RD |
| SA | 0958 | 250 - OVC | 20 | | | 127 | 65 | 29 | 03 | 16 | | 999 | 503 1057 57 | RD |
| SA | 1053 | 220 - OVC | 20 | | 121 | 129 | 65 | 26 | 05 | 07 | G14 | 996 | | RD |
| SA | 1150 | 220 - OVC | 20 | | | 112 | 66 | 25 | 04 | 15 | | 994 | | RD |
| SA | 1252 | 220 - OVC | 20 | | | 094 | 68 | 16 | 36 | 11 | | 989 | 729 1008 7 | RD |
| SA | 1350 | 220 - OVC | 20 | | | 085 | 68 | 18 | 02 | 08 | | 987 | | RD |
| SA | 1450 | 220 - OVC | 20 | | | 080 | 69 | 23 | 06 | 05 | | 986 | | RD |
| SA | 1550 | 220 - OVC | 20 | | | 073 | 62 | 19 | 36 | 06 | | 983 | 720 1007 71 RADAT 21025 | MR |
| SA | 1650 | 220 - OVC | 20 | | | 071 | 61 | 28 | 19 | 03 | | 981 | | MR |
| SA | 1750 | 220 - OVC | 20 | | 070 | 069 | 57 | 20 | 10 | 03 | | 980 | | MR |
| SA | 1850 | 220 - OVC | 20 | | | 072 | 57 | 18 | 03 | 08 | | 980 | 608 1007 | MR |
| SA | 1950 | 220 - OVC | 20 | | | 072 | 56 | 9 | 05 | 07 | | 980 | | MR |
| SA | 2048 | 220 - BKN | 20 | | | 068 | 51 | 13 | 23 | 04 | | 979 | | MR |
| SA | 2150 | 220 - SCT | 20 | | | 064 | 48 | 9 | 02 | 04 | | 978 | 807 1008 71 | MR |
| SA | 2251 | 220 - SCT | 20 | | | 063 | 50 | 4 | 04 | 08 | | 978 | | MR |
| SA | 2351 | 220 - SCT | 20 | | | 060 | 51 | 6 | 03 | 08 | | 977 | | MR |

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

FM12-VII: Iliii $i_R i_x$hVV Nddff $1s_nTTT$ $2s_nT_dT_dT_d$ $3P_0P_0P_0P_0$ 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 NEVADA**

DATE: 14 OCT 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. 00-01 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00 53 | 26.515 | 65.0 | 51.4 | 39 | 2 | 2 | CS | 250 | | | | | | | | | | | | 0 | 8 | .005 | | | 01-02 |
| 01 54 | 26.510 | 63.6 | 51.1 | 43 | 7 | | | | | | | | | | | | | | | 2 | | | | | 02-03 |
| 02 50 | 26.510 | 62.4 | 49.4 | 40 | 7 | | | | | | | | | | | | | | | 2 | | | | | 03-04 |
| 03 51 | 26.520 | 61.0 | 46.8 | 33 | 7 | 7 | CS | 250 | | | | | | | | | | | | 3 | 3 | .005 | | | 04-05 |
| 04 51 | 26.550 | 60.2 | 47.0 | 36 | 8 | | | | | | | | | | | | | | | 3 | | | | | 05-06 |
| 05 51 | 26.560 | 59.9 | 45.3 | 30 | 9 | | | | | | | | | | | | | | | 7 | | | | | 06-07 |
| 06 51 | 26.570 | 57.0 | 44.0 | 34 | 8 | 3 | AC | 100 | 5 | CS | E250 | 8 | | | | | | | | 5 | 2 | .070 | | | 07-08 |
| 07 50 | 26.595 | 58.1 | 44.5 | 32 | 8 | | | | | | | | | | | | | | | 3 | | | | | 08-09 |
| 08 50 | 26.600 | 61.4 | 45.7 | 27 | 10 | | | | | | | | | | | | | | | 3 | | | | | 09-10 |
| 09 50 | 26.580 | 64.6 | 47.0 | 24 | 10 | 0 | AC | 100 | 10 | CS | 250 | 10 | | | | | | | | 3 | 5 | .010 | | | 10-11 |
| 10 52 | 26.555 | 65.0 | 46.8 | 23 | 10 | | | | | | | | | | | | | | | 2 | | | | | 11-12 |
| 11 50 | 26.535 | 65.7 | 46.9 | 21 | 10 | | | | | | | | | | | | | | | 3 | | | | | 12-13 |
| 12 52 | 26.495 | 67.6 | 46.0 | 16 | 10 | 10 | CS | 220 | | | | | | | | | | | | 3 | 7 | .085 | | | 13-14 |
| 13 50 | 26.470 | 67.7 | 46.3 | 15 | 10 | | | | | | | | | | | | | | | 3 | | | | | 14-15 |
| 14 50 | 26.460 | 69.0 | 48.0 | 17 | 10 | | | | | | | | | | | | | | | 3 | | | | | 15-16 |
| 15 50 | 26.435 | 68.8 | 47.0 | 15 | 10 | 10 | CS | 220 | | | | | | | | | | | | 2 | 7 | .060 | | | 16-17 |
| 16 50 | 26.420 | 61.1 | 45.8 | 29 | 10 | | | | | | | | | | | | | | | 2 | | | | | 17-18 |
| 17 50 | 26.410 | 57.2 | 41.8 | 23 | 10 | | | | | | | | | | | | | | | 2 | | | | | 18-19 |
| 18 49 | 26.410 | 57.2 | 41.4 | 22 | 10 | 10 | CS | 220 | | | | | | | | | | | | 2 | 6 | .025 | | | 19-20 |
| 19 50 | 26.410 | 56.1 | 39.1 | 15 | 10 | | | | | | | | | | | | | | | 0 | | | | | 20-21 |
| 20 48 | 26.400 | 51.3 | 37.2 | 21 | 7 | | | | | | | | | | | | | | | 0 | | | | | 21-22 |
| 21 50 | 26.380 | 48.4 | 35.0 | 20 | 5 | 5 | CS | 220 | | | | | | | | | | | | 0 | 8 | .020 | | | 22-23 |
| 22 51 | 26.390 | 49.8 | 35.0 | 15 | 1 | | | | | | | | | | | | | | | 0 | | | | | 23-24 |
| 23 51 | 26.385 | 50.5 | 35.6 | 16 | 1 | | | | | | | | | | | | | | | 0 | | | | | |

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 0341 | | 0 | 0 | | 65 | 57 | | | | | | | | | | |
| | 0345 | 1 | 0 | 0 | 0 | 65 | 57 | | 0 | | | | | | | | |
| | 0948 | 2 | 0 | 0 | 0 | 65 | 57 | | 0 | | | | | | | | |
| | 1545 | 3 | 0 | 0 | 0 | 71 | 65 | | 0 | | | | | | | | |
| 2145 | 1545 | 4 | 0 | 0 | 0 | 69 | 48 | | 0 | | | | | | | | |
| | MID. | | 0 | 0 | 0 | 51 | 47 | | | | | | | | | | |

## STATION PRESSURE COMPUTATIONS

| TIME (L.S.T.) 59 | 0350 | 0957 | 1549 | 2149 |
|---|---|---|---|---|
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.520 | 26.580 | 26.435 | 26.390 |
| BAROGRAPH 64 | 26.515 | 26.570 | 26.425 | 26.375 |
| BAR. CORR. 65 | +.005 | +.010 | +.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 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 71 | 47 | 0 | 0 | 0 | 28 | NE | 0522 | | | | | 10 | 8 | | |

## WEATHER & OBSTRUCTIONS TO VISION

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

## 90. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE SUNSET

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

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

TIME CHECK - CLOCK AT: 0825 ± 0 Sec./ 1723P ± 0 Sec./ ± Sec.

1252/1252 1053/SLP 121/1155

1750P/1750P

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

STATION **WSMO, DESERT ROCK NE+AD**

DATE 15 OCT 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. (Miles) (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) | OBSERVER'S INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0052 | CLR | 20 | | | 061 | 51 | 7 | 03 | 03 | | 978 | 500 | MR |
| SA | 0151 | CLR | 20 | | | 058 | 52 | 19 | 05 | 17 | G24 | 977 | AC NE | MR |
| SA | 0250 | E120 BKN | 20 | | | 060 | 50 | 20 | 06 | 15 | G22 | 978 | | MR |
| SA | 0352 | 250 SCT | 20 | | | 060 | 49 | 20 | 05 | 16 | G24 | 977 | 802 1074 47 RADAT | MR |
| | | | | | | | | | | | | | 43085 | |
| SA | 0455 | 250 SCT | 20 | | | 074 | 47 | 21 | 06 | 11 | | 980 | | RD |
| SA | 0550 | 250 -SCT | 20 | | | 081 | 46 | 20 | 07 | 11 | | 981 | | RD |
| SA | 0650 | CLR | 20 | | | 084 | 48 | 21 | 05 | 17 | | 982 | ACSL NE/215 1041 | RD |
| SA | 0751 | CLR | 20 | | | 093 | 49 | 22 | 05 | 20 | | 985 | ACSL NE | RD |
| SA | 0850 | 250 SCT | 20 | | | 100 | 53 | 20 | 03 | 18 | | 987 | | RD |
| SA | 0951 | 250 -SCT | 20 | | | 098 | 54 | 19 | 04 | 18 | | 986 | 012 1151 45 | RD |
| SA | 1050 | 70 SCT 250 SCT | 20 | | | 090 | 55 | 17 | 02 | 12 | G18 | 984 | | RD |
| SA | 1153 | 70 SCT 250 SCT | 20 | | | 090 | 58 | 19 | 03 | 10 | | 984 | | RD |
| SA | 1250 | E70 ~~SCT~~ BKN 250 BKN | 20 | | | 082 | 58 | 18 | 01 | 16 | G22 | 982 | 712 1108 | RD |
| SA | 1350 | E70 BKN 250 BKN | 20 | | | 083 | 58 | 18 | 01 | 17 | G24 | 983 | | RD |
| SA | 1450 | E70 BKN 250 BKN | 20 | | | 091 | 57 | 13 | 01 | 18 | | 984 | | RD |
| SA | 1554 | 60 SCT 90 SCT E250 BKN | 20 | | | 103 | 57 | 17 | 02 | 15 | | 987 | 317 1451 60 RADAT 35015 | MR |
| SA | 1650 | 60 SCT 90 SCT 250-BKN | 20 | | | 110 | 55 | 16 | 35 | 13 | | 989 | | MR |
| SA | 1750 | 50 SCT 90 SCT 250-OVC | 20 | | | 124 | 52 | 15 | 02 | 14 | G19 | 993 | | MR |
| SA | 1852 | 250-OVC | 20 | | | 137 | 50 | 15 | 03 | 15 | G20 | 996 | 327 1071 | MR |
| SA | 1951 | 250-BKN | 20 | | | 141 | 49 | 15 | 04 | 18 | | 997 | | MR |
| SA | 2052 | CLR | 20 | | | 149 | 48 | 13 | 04 | 17 | | 000 | | MR |
| SA | 2152 | CLR | 20 | | | 158 | 45 | 14 | 06 | 10 | | 003 | 319 60 | MR |
| SA | 2251 | CLR | 20 | | | 160 | 43 | 14 | 07 | 04 | | 003 | | MR |
| SA | 2350 | 250-SCT | 20 | | | 160 | 42 | 15 | 05 | 09 | | 003 | | MR |

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

FM12-VII: IIiii $i_R i_x$hVV Nddff $1s_n$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 NEVADA

DATE: 15 OCT 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 | 26.390 | 51.2 | 36.2 | 16 | 0 | | | | | | | | | | | | | | | 0 | 5 | .000 | | | 00-01 |
| 01 51 | 26.385 | 52.0 | 38.8 | 27 | 0 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 50 | 26.390 | 50.4 | 38.2 | 29 | 6 | | | | | | | | | | | | | | | 6 | | | | | 02-03 |
| 03 52 | 26.385 | 48.7 | 37.4 | 32 | 4 | 0 | Ac | 120 | 4 | Ci | 250 | 4 | | | | | | | | 3 | 8 | .005 | | | 03-04 |
| 04 55 | 26.405 | 47.0 | 36.6 | 35 | 2 | | | | | | | | | | | | | | | 2 | | | | | 04-05 |
| 05 56 | 26.420 | 46.1 | 36.0 | 35 | 1 | | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 06 50 | 26.430 | 47.8 | 37.1 | 34 | 0 | 0 | Ac | 120 | 0 | Ci | 250 | 0 | | | | | | | | 0 | 2 | .045 | | | 06-07 |
| 07 51 | 26.455 | 44.3 | 35.1 | 34 | 0 | | | | | | | | | | | | | | | 0 | | | | | 07-08 |
| 08 50 | 26.470 | 52.5 | 34.3 | 27 | 1 | | Cu | | | | | | | | | | | | | 1 | | | | | 08-09 |
| 09 51 | 26.465 | 54.4 | 40.1 | 25 | 2 | 0 | ~~Ac~~ | 70 | 0 | Ac | 120 | 0 | 2 | Ci | 250 | 2 | | | | 1 | 0 | .035 | | | 09-10 |
| 10 50 | 26.450 | 55.0 | 40.0 | 22 | 2 | | | | | | | | | | | | | | | 2 | | | | | 10-11 |
| 11 53 | 26.445 | 57.7 | 41.7 | 22 | 3 | | | | | | | | | | | | | | | 3 | | | | | 11-12 |
| 12 50 | 26.430 | 58.3 | 41.3 | 21 | 7 | 6 | Cu | 570 | 1 | Cs | 250 | 7 | | | | | | | | 6 | 7 | .035 | | | 12-13 |
| 13 50 | 26.435 | 58.0 | 41.7 | 21 | 7 | | | | | | | | | | | | | | | 6 | | | | | 13-14 |
| 14 50 | 26.450 | 56.9 | 40.1 | 17 | 7 | | | | | | | | | | | | | | | 7 | | | | | 14-15 |
| 15 51 | 26.480 | 56.7 | 40.8 | 21 | 6 | 2 | Sc | 60 | 2 | Ac | 90 | 4 | 2 | Ci | 250 | 6 | | | | 5 | 3 | .050 | | | 15-16 |
| 16 50 | 26.495 | 55.0 | 39.7 | 21 | 8 | | | | | | | | | | | | | | | 4 | | | | | 16-17 |
| 17 50 | 26.525 | 51.8 | 38.0 | 23 | 10 | | | | | | | | | | | | | | | 3 | | | | | 17-18 |
| 18 52 | 26.560 | 50.0 | 37.0 | 25 | 10 | 0 | Ac | 80 | 10 | Ci | 250 | 10 | | | | | | | | 2 | 3 | .080 | | | 18-19 |
| 19 51 | 26.570 | 49.1 | 36.5 | 25 | 7 | | | | | | | | | | | | | | | 1 | | | | | 19-20 |
| 20 52 | 26.595 | 48.0 | 35.4 | 24 | 0 | | | | | | | | | | | | | | | 0 | | | | | 20-21 |
| 21 52 | 26.615 | 45.0 | 33.9 | 28 | 0 | | | | | | | | | | | | | | | 0 | 3 | .055 | | | 21-22 |
| 22 51 | 26.620 | 43.3 | 33.0 | 30 | 0 | | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 23 50 | 26.620 | 42.4 | 32.8 | 33 | 1 | | | | | | | | | | | | | | | 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 | | 52 | 48 | | | | | | | | | | |
| | 0347 | 1 | 0 | 0 | 0 | 52 | 47 | | 0 | | | | | | | | |
| | 0945 | 2 | 0 | 0 | 0 | 54 | 45 | | 0 | | | | | | | | |
| | 1547 | 3 | 0 | 0 | 0 | 60 | 54 | | 0 | | | | | | | | |
| | 2147 | 4 | 0 | 0 | 0 | 57 | 44 | | 0 | | | | | | | | |
| | MID. | | 0 | 0 | 0 | 45 | 42 | | | | | | | | | | |

## STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0351 | 0956 | 1551 | 2151 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.395 | 26.465 | 26.480 | 26.475 |
| BAROGRAPH 64 | 26.390 | 26.450 | 26.455 | [illegible] |
| BAR. CORR. 65 | +.005 | +.015 | +.025 | [illegible] |

## 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 UNALTO (Ins.) 69 | SNOW DEPTH (Ins.) 70 | PEAK WIND SPEED (Kts.) 71 | PEAK WIND DIRECTION 72 | PEAK WIND TIME (L.S.T.) 73 | THICKNESS OF ICE ON WATER (Ins.) 74 | FROZEN GROUND LAYER (Ins.) TOP 75 | FROZEN GROUND LAYER (Ins.) BASE 76 | RIVER GAGE 77 | SKY COVER SUNRISE TO SUNSET 78 | SKY COVER MIDNIGHT TO MIDNIGHT 79 | WATER EQUIV. (Ins.) 80 | 81 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | 42 | 0 | 0 | 0 | 21 | NE | 0156 | | | | | 4 | 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: 0732 ✓ Sec. / 1649P ✓ Sec. / Sec.

12.56 / 12.50

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 NEVADA

DATE: 16 OCT 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) | OBSERVER'S INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0052 | 250 - SCT | 20 | | | 158 | 43 | 13 | 12 | 06 | | 003 | 102 1001 | MR |
| SA | 0150 | 250 - SCT | 20 | | | 162 | 41 | 14 | 05 | 10 | | 004 | | MR |
| SA | 0251 | 250 - SCT | 20 | | | 165 | 40 | 14 | 06 | 09 | | 004 | | MR |
| SA | 0351 | CLR | 20 | | | 164 | 40 | 14 | 06 | 07 | | 004 | 002 1001 38 RADAT 24042 | RD |
| SA | 0450 | CLR | 20 | | | 162 | 38 | 14 | 06 | 08 | | 003 | | RD |
| SA | 0551 | CLR | 20 | | | 165 | 38 | 10 | 05 | 10 | | 003 | | RD |
| SA | 0652 | 250 - SCT | 20 | | | 164 | 41 | 15 | 06 | 07 | | 003 | 803 1051 | RD |
| SA | 0754 | 250 SCT | 20 | | | 156 | 46 | 15 | 10 | 08 | | 002 | | RD |
| SA | 0852 | 160 SCT 250 SCT | 20 | | | 152 | 49 | 12 | 13 | 09 | | 000 | | RD |
| SA | 0953 | E140 BKN | 20 | | | 141 | 51 | 12 | 10 | 08 | | 997 | 817 1050 37 | RD |
| SA | 1051 | E140 BKN | 20 | | | 137 | 52 | 12 | 09 | 08 | | 996 | | RD |
| SA | 1150 | E140 BKN | 20 | | | 120 | 54 | 14 | 18 | 07 | | 991 | | RD |
| SA | 1253 | E140 BKN 250 BKN | 20 | | | 104 | 57 | 15 | 15 | 08 | | 987 | 732 1041 ACSL SE/ | RD |
| SA | 1355 | 120 SCT E140 BKN 250 BKN | 20 | | | 090 | 59 | 13 | 21 | 14 | G28 | 983 | ACSL SE-S | RD |
| SA | 1450 | 120 SCT E140 BKN 250 BKN | 20 | | | 080 | 60 | 16 | 18 | 23 | G28 | 980 | ACSL SE-S | RD |
| SA | 1552 | 110 SCT E150 BKN 250 BKN | 20 | | | 069 | 58 | 16 | 20 | 18 | G24 | 976 | ACSL ALQDS 730 1041 61 | MR |
| | | | | | | | | | | | | | RADAT 31076 | |
| SA | 1653 | 110 SCT E140 BKN 250 BKN | 20 | | | 055 | 58 | 18 | 19 | 14 | G21 | 972 | ACSL SE AND NW | MR |
| SA | 1753 | 110 SCT E140 OVC | 20 | | | 042 | 57 | 20 | 19 | 14 | | 969 | | MR |
| SA | 1851 | 90 SCT E120 OVC | 20 | | | 030 | 58 | 22 | 20 | 22 | G31 | 965 | 634 107/ | MR |
| SA | 1950 | 100 SCT E140 OVC | 20 | | | 017 | 59 | 22 | 20 | 25 | G35 | 963 | PK WND 2039/35 | MR |
| SA | 2049 | E140 BKN 250 OVC | 20 | | | 004 | 58 | 23 | 21 | 20 | G28 | 960 | PK WND 2139/22 | MR |
| SA | 2151 | 140 SCT | 20 | | | 989 | 57 | 26 | 20 | 23 | G37 | 955 | PK WND 2140/17 832 | MR |
| | | | | | | | | | | | | | 1570 61 | |
| SA | 2251 | 40 SCT | 20 | | | 988 | 58 | 31 | 20 | 30 | G45 | 955 | PK WND 2045/42 | MR |
| SA | 2352 | CLR | 20 | | | 975 | 57 | 33 | 21 | 32 | G46 | 952 | FEW SC PK WND 2050/11 | MR |

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

FM12-VII: Iliii $i_R i_X$hVV Nddff $1s_nTTT$ $2s_nT_dT_dT_d$ $3P_oP_oP_oP_o$ 4PPPP 5appp 6RRR$t_R$ 7wwW$_1$W$_2$ 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: 16 OCT 1984

To convert LST to GMT ADD 2 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 | 26.620 | 43.4 | 32.8 | 28 | 1 | 1 | Ci | 250 | | | | | | | | | | | | 0 | 1 | .005 | | | | 00-01 |
| 01 50 | 26.625 | 41.3 | 31.7 | 32 | 1 | | | | | | | | | | | | | | | 0 | | | | | | 01-02 |
| 02 51 | 26.630 | 40.1 | 31.0 | 34 | 1 | | | | | | | | | | | | | | | 0 | | | | | | 02-03 |
| 03 51 | 26.625 | 40.1 | 31.0 | 34 | 0 | 0 | Ci | 250 | | | | | | | | | | | | 0 | 0 | .005 | | | | 03-04 |
| 04 50 | 26.620 | 38.0 | 29.9 | 37 | 0 | | | | | | | | | | | | | | | 0 | | | | | | 04-05 |
| 05 51 | 26.620 | 37.7 | 29.2 | 32 | 0 | | | | | | | | | | | | | | | 0 | | | | | | 05-06 |
| 06 52 | 26.615 | 41.0 | 31.8 | 35 | 1 | 0 | Ac | 160 | 1 | Ci | 250 | 1 | | | | | | | | 0 | 8 | .010 | | | | 06-07 |
| 07 54 | 26.605 | 46.2 | 35.0 | 28 | 1 | | | | | | | | | | | | | | | 1 | | | | | | 07-08 |
| 08 52 | 26.595 | 49.0 | 36.3 | 22 | 2 | | | | | | | | | | | | | | | 2 | | | | | | 08-09 |
| 09 53 | 26.565 | 50.9 | 36.8 | 21 | 7 | 7 | Ac | E140 | | | | | | | | | | | | 5 | 8 | .050 | | | | 09-10 |
| 10 51 | 26.555 | 52.0 | 37.5 | 20 | 6 | | | | | | | | | | | | | | | 5 | | | | | | 10-11 |
| 11 50 | 26.510 | 53.8 | 38.8 | 20 | 8 | | | | | | | | | | | | | | | 8 | | | | | | 11-12 |
| 12 53 | 26.470 | 56.8 | 40.5 | 19 | 9 | 8 | As | E140 | 1 | Ci | 250 | 9 | | | | | | | | 8 | 7 | .095 | | | | 12-13 |
| 13 55 | 26.435 | 59.0 | 41.3 | 16 | 9 | | | | | | | | | | | | | | | 8 | | | | | | 13-14 |
| 14 50 | 26.410 | 60.2 | 42.3 | 17 | 9 | | | | | | | | | | | | | | | 9 | | | | | | 14-15 |
| 15 52 | 26.380 | 57.5 | 41.0 | 19 | 8 | 2 | Ac | 110 | 5 | Ac | E150 | 7 | 1 | Ci | 250 | 8 | | | | 8 | 7 | .090 | | | | 15-16 |
| 16 53 | 26.340 | 57.5 | 41.5 | 21 | 9 | | | | | | | | | | | | | | | 9 | | | | | | 16-17 |
| 17 53 | 26.305 | 57.2 | 41.8 | 23 | 10 | | | | | | | | | | | | | | | 10 | | | | | | 17-18 |
| 18 51 | 26.280 | 58.1 | 42.6 | 24 | 10 | 3 | Ac | 90 | 7 | As | E120 | 10 | | | | | | | | 10 | 6 | .100 | | | | 18-19 |
| 19 50 | 26.255 | 58.5 | 42.9 | 24 | 10 | | | | | | | | | | | | | | | 9 | | | | | | 19-20 |
| 20 49 | 26.225 | 57.9 | 42.9 | 26 | 10 | | | | | | | | | | | | | | | 9 | | | | | | 20-21 |
| 21 51 | 26.185 | 57.2 | 43.3 | 30 | 4 | 0 | Sc | 45 | 4 | Ac | 140 | 4 | | | | | | | | 3 | 8 | .095 | | | | 21-22 |
| 22 51 | 26.185 | 57.5 | 44.9 | 36 | 1 | | | | | | | | | | | | | | | 1 | | | | | | 22-23 |
| 23 52 | 26.155 | 56.8 | 45.2 | 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 0344 | | 0 | 0 | | 44 | 38 | | | | | | | | | | |
| | 0346 | 1 | 0 | 0 | 0 | 45 | 38 | | 0 | | | | | | | | |
| | 0947 | 2 | 0 | 0 | 0 | 51 | 37 | | 0 | | | | | | | | |
| | 1546 | 3 | 0 | 0 | 0 | 61 | 50 | | 0 | | | | | | | | |
| | 2146 | 4 | 0 | 0 | 0 | 59 | 57 | | 0 | | | | | | | | |
| | MID. | | 0 | 0 | 0 | 58 | 56 | | | | | | | | | | |

## STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0350 | 0952 | 1551 | 2150 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.620 | 26.565 | 26.380 | 26.185 |
| BAROGRAPH 64 | 26.605 | 26.555 | 26.365 | 26.175 |
| BAR. CORR. 65 | +.020 | +.010 | +.015 | +.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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 61 | 37 | 0 | 0 | 0 | 50 | 5 | 2311 | | | | | 6 | 5 | | |

## WEATHER & OBSTRUCTIONS TO VISION

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

## 90. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE SUNSET

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

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

TIME CHECK-CLOCK AT: 0835 ±0 Sec./ 1658P ±0 Sec./ ± Sec.

1552P/1900P



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 OCT 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) | QC SERVICE INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0052 | 40 SCT | 20 | | | 983 | 56 | 37 | 22 | 30 | G43 | 954 | PK WND 2149/24 503 1500 | MR |
| SA | 0153 | 40 SCT | 20 | | | 980 | 56 | 39 | 20 | 28 | G40 | 953 | PK WND 2045/39 | MR |
| SA | 0253 | CLR | 15 | | | 981 | 56 | 39 | 21 | 24 | G38 | 954 | FEW SC PK WND 2138/43 | MR |
| SA | 0355 | CLR | 15 | | | 993 | 54 | 38 | 21 | 21 | G37 | 958 | FEW SC PK WND 2140/03 | |
| | | | | | | | | | | | | | 308 1500 54 RAOAT80081 | |
| SA | 0458 | CLR | 15 | | | 010 | 53 | 38 | 21 | 22 | G34 | 962 | FEW SC PK WND 2138/18 | |
| SA | 0559 | CLR | 10 | | | 021 | 52 | 39 | 24 | 16 | G23 | 965 | FEW SC | |
| SA | 0654 | CLR | 10 | | | 028 | 54 | 34 | 21 | 15 | | 968 | 232 | |
| SA | 0751 | CLR | 7 | | | 039 | 56 | 33 | 20 | 11 | G24 | 971 | | |
| SA | 0852 | CLR | 7 | | | 048 | 59 | 32 | 22 | 16 | G25 | 975 | FEW SC CI | |
| SA | 0950 | 40 SCT | 7 | | | 061 | 59 | 34 | 21 | 13 | G25 | 978 | 230 1500 51 | |
| SA | 1053 | 40 SCT | 7 | | | 070 | 60 | 35 | 26 | 15 | G24 | 981 | | |
| SA | 1154 | 40 SCT | 7 | | | 071 | 62 | 36 | 25 | 15 | | 981 | | |
| SA | 1258 | 40 SCT | 7 | | | 070 | 63 | 31 | 24 | 13 | | 981 | 110 1500 | |
| SA | 1359 | 40 SCT | 7 | | | 076 | 63 | 31 | 29 | 11 | | 983 | | |
| SA | 1459 | 50 SCT | 7 | | | 087 | 63 | 26 | 34 | 17 | | 986 | | |
| SA | 1551 | CLR | 15 | | | 100 | 56 | 14 | 36 | 24 | G30 | 988 | FEW SC/AC/ 322 1530 64 | SEA |
| / | / | | | | | | | | | | | / | RADAT 50160 | / |
| SA | 1654 | 120 SCT | 20 | | | 122 | 53 | 9 | 03 | 19 | G24 | 994 | FEW CU OMITNS S | SEA |
| SA | 1755 | 120 SCT | 20 | | | 135 | 50 | 12 | 02 | 19 | G30 | 997 | | SEA |
| SA | 1853 | E120 BKN | 20 | | | 146 | 50 | 15 | 02 | 21 | G29 | 000 | 237 1070 | SEA |
| SA | 1958 | E120 BKN | 20 | | | 161 | 48 | 12 | 03 | 24 | G31 | 005 | | SEA |
| SA | 2055 | 120 SCT | 20 | | | 173 | 48 | 11 | 02 | 17 | G24 | 009 | | SEA |
| SA | 2154 | 120 SCT | 20 | | | 188 | 46 | 11 | 05 | 07 | G17 | 012 | 237 1070 64 | SEA |
| SA | 2256 | CLR | 20 | | | 200 | 44 | 11 | 05 | 13 | G17 | 016 | | SEA |
| SA | 2356 | CLR | 20 | | | 207 | 43 | 13 | 08 | 10 | | 018 | | 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: 17 OCT 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 | 26.175 | 56.3 | 46.6 | 48 | 2 | 2 | SC | 40 | | | | | | | | | | | | 2 | 5 | .010 | | | 00-01 |
| 01 53 | 26.170 | 55.5 | 47.1 | 54 | 1 | | | | | | | | | | | | | | | 1 | | | | | 01-02 |
| 02 53 | 26.175 | 55.6 | 46.9 | 53 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 55 | 26.200 | 54.1 | 46.0 | 55 | 0 | 0 | SC | 40 | | | | | | | | | | | | 0 | 3 | .025 | | | 03-04 |
| 04 58 | 26.245 | 53.0 | 45.3 | 56 | 0 | | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 05 59 | 26.270 | 52.3 | 44.6 | 55 | 0 | | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 06 54 | 26.295 | 54.4 | 44.5 | 45 | 0 | | | | | | | | | | | | | | | 0 | 2 | .095 | | | 06-07 |
| 07 51 | 26.325 | 56.0 | 45.0 | 42 | 0 | | | | | | | | | | | | | | | 0 | | | | | 07-08 |
| 08 52 | 26.355 | 59.4 | 46.1 | 35 | 0 | | | | | | | | | | | | | | | 0 | | | | | 08-09 |
| 09 50 | 26.385 | 58.5 | 46.5 | 40 | 1 | 1 | SC | 40 | | | | | | | | | | | | 1 | 2 | .090 | | | 09-10 |
| 10 53 | 26.410 | 60.4 | 47.8 | 39 | 2 | | | | | | | | | | | | | | | 2 | | | | | 10-11 |
| 11 54 | 26.415 | 61.5 | 48.5 | 38 | 3 | | | | | | | | | | | | | | | 3 | | | | | 11-12 |
| 12 58 | 26.415 | 63.1 | 47.5 | 30 | 3 | 3 | SC | 40 | | | | | | | | | | | | 3 | 1 | .030 | | | 12-13 |
| 13 59 | 26.430 | 63.0 | 47.5 | 30 | 2 | | | | | | | | | | | | | | | 2 | | | | | 13-14 |
| 14 59 | 26.455 | 62.5 | 45.8 | 25 | 1 | | | | | | | | | | | | | | | 1 | | | | | 14-15 |
| 15 51 | 26.480 | 56.3 | 46.0 | 19 | 0 | 0 | SC | 50 | 0 | AC | 120 | 0 | | | | | | | | 0 | 3 | .065 | | | 15-16 |
| 16 54 | 26.530 | 53.3 | 37.6 | 17 | 1 | | | | | | | | | | | | | | | 1 | | | | | 16-17 |
| 17 55 | 26.560 | 50.4 | 36.5 | 21 | 2 | | | | | | | | | | | | | | | 2 | | | | | 17-18 |
| 18 53 | 26.590 | 49.9 | 36.8 | 24 | 6 | 6 | AC | E120 | | | | | | | | | | | | 5 | 2 | .110 | | | 18-19 |
| 19 58 | 26.630 | 48.1 | 35.4 | 23 | 6 | | | | | | | | | | | | | | | 4 | | | | | 19-20 |
| 20 55 | 26.665 | 47.9 | 35.0 | 22 | 5 | | | | | | | | | | | | | | | 4 | | | | | 20-21 |
| 21 54 | 26.700 | 46.0 | 33.9 | 23 | 2 | 2 | AC | 120 | | | | | | | | | | | | 2 | 2 | .110 | | | 21-22 |
| 22 56 | 26.730 | 44.0 | 32.9 | 26 | 0 | | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 23 56 | 26.750 | 42.5 | 32.4 | 30 | 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 0354 | | 0 | 0 | | 57 | 54 | | | | | | | | | | |
| | 0354 | 1 | 0 | 0 | 0 | 58 | 54 | | 0 | | | | | | | | |
| | 0949 | 2 | 0 | 0 | 0 | 59 | 51 | | 0 | | | | | | | | |
| | 1547 | 3 | 0 | 0 | 0 | 64 | 56 | | 0 | | | | | | | | |
| | 2147 | 4 | 0 | 0 | 0 | 56 | 46 | | 0 | | | | | | | | |
| | MID. | | 0 | 0 | 0 | 46 | 42 | | | | | | | | | | |

## STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0355 | 0950 | 1550 | 2153 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.200 | 26.385 | 26.480 | 26.700 |
| BAROGRAPH 64 | 26.190 | 26.365 | 26.475 | 26.705 |
| BAR. CORR. 65 | +.010 | +.020 | +.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 | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 64 | 42 | 0 | 0 | 0 | 49 | SW | 0024 | | | | | 1 | 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 MINUTE WIND SPEED M.P.H. OR FASTEST MILE M.P.H. ASSOCIATED DIRECTION TIME

TIME CHECK - CLOCK AT: 2156PST @ / Sec./ 0855 @ / 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 NEVADA

DATE: 18 OCT 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 (14a) | 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 | 0053 | CLR | 20 | | | 215 | 40 | 18 | 04 | 11 | | 020 | 224 | SEA |
| SA | 0152 | CLR | 20 | | | 215 | 41 | 18 | 05 | 08 | | 020 | | SEA |
| SA | 0254 | CLR | 20 | | | 216 | 40 | 19 | 05 | 10 | | 020 | | SEA |
| SA | 0353 | CLR | 20 | | | 220 | 39 | 15 | 07 | 10 | | 020 | 400 39 RADAT 26051 | [illegible] |
| SA | 0453 | CLR | 20 | | | 230 | 39 | 15 | 08 | 09 | | 023 | | [illegible] |
| SA | 0553 | CLR | 20 | | | 236 | 39 | 15 | 08 | 06 | | 024 | | [illegible] |
| SA | 0654 | CLR | 20 | | | 238 | 40 | 18 | 06 | 15 | G20 | 025 | FEW CIS / 114 1001 | [illegible] |
| SA | 0756 | CLR | 20 | | | 245 | 42 | 15 | 03 | 13 | | 026 | FEW CIS | [illegible] |
| SA | 0857 | 250 SCT | 20 | | | 240 | 45 | 14 | 02 | 14 | | 026 | | [illegible] |
| SA | 0953 | 250 SCT | 20 | | | 233 | 48 | 13 | 06 | 12 | | 024 | 802 1005 38 | [illegible] |
| SA | 1056 | 250 SCT | 20 | | | 231 | 52 | 14 | 11 | 12 | | 024 | | [illegible] |
| SA | 1155 | 250 SCT | 20 | | | 224 | 54 | 15 | 13 | 11 | | 022 | | [illegible] |
| SA | 1250 | 250 SCT | 20 | | | 208 | 55 | 12 | 13 | 07 | | 017 | 822 1008 | [illegible] |
| SA | 1357 | 250 SCT | 20 | | | 200 | 55 | 12 | 36 | 03 | | 015 | | [illegible] |
| SA | 1450 | E250 BKN | 20 | | | 194 | 58 | 11 | 15 | 05 | | 013 | | [illegible] |
| SA | 1556 | 250-BKN | 20 | | | 185 | 57 | 9 | 13 | 07 | | 010 | 720 1001 58 RADAT 45115 | SEA |
| SA | 1658 | 250-SCT | 20 | | | 180 | 55 | 9 | 13 | 06 | | 009 | | SEA |
| SA | 1755 | 250 SCT | 20 | | | 185 | 51 | 11 | 22 | 07 | | 009 | | SEA |
| SA | 1857 | 120 SCT E250 BKN | 20 | | | 187 | 49 | 11 | 36 | 02 | | 010 | 502 1072 | SEA |
| SA | 1954 | 120 SCT 250-BKN | 20 | | | 173 | 48 | 11 | 12 | 04 | | 006 | | SEA |
| SA | 2057 | 250-BKN | 20 | | | 176 | 46 | 11 | 36 | 05 | | 007 | | SEA |
| SA | 2156 | 100 SCT E250 BKN | 20 | | | 170 | 46 | 12 | 02 | 03 | | 006 | 612 1078 58 | SEA |
| SA | 2252 | 100 SCT 250-BKN | 20 | | | 161 | 45 | 11 | 36 | 03 | | 004 | | SEA |
| SA | 2353 | E100 BKN 250 OVC | 20 | | | 151 | 47 | 12 | 01 | 05 | | 002 | OVC PTCY THN | 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: 18 OCT 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 53 | 26.770 | 40.4 | 31.8 | 41 | 0 | | | | | | | | | | | | | | | 0 | 2 | .070 | | | 00-01 |
| 01 52 | 26.770 | 40.5 | 31.7 | 39 | 0 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 54 | 26.770 | 39.5 | 31.4 | 43 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 52 | 26.770 | 39.3 | 30.4 | 39 | 0 | | | | | | | | | | | | | | | 0 | 4 | .000 | | | 03-04 |
| 04 53 | 26.790 | 38.6 | 30.0 | 38 | 0 | | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 05 53 | 26.805 | 39.1 | 30.3 | 39 | 0 | | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 06 54 | 26.810 | 40.0 | 31.5 | 41 | 0 | 0 | CI | 250 | | | | | | | | | | | | 0 | 1 | .040 | | | 06-07 |
| 07 56 | 26.825 | 41.7 | 32.4 | 34 | 0 | | | | | | | | | | | | | | | 0 | | | | | 07-08 |
| 08 57 | 26.820 | 45.0 | 34.1 | 29 | 1 | | | | | | | | | | | | | | | 1 | | | | | 08-09 |
| 09 53 | 26.805 | 48.0 | 35.5 | 24 | 3 | 3 | CS | 250 | | | | | | | | | | | | 2 | 8 | .005 | | | 09-10 |
| 10 56 | 26.800 | 51.5 | 37.5 | 22 | 1 | | | | | | | | | | | | | | | 1 | | | | | 10-11 |
| 11 55 | 26.780 | 53.9 | 39.0 | 21 | 1 | | | | | | | | | | | | | | | 1 | | | | | 11-12 |
| 12 50 | 26.740 | 56.0 | 39.0 | 18 | 2 | 2 | CS | 250 | | | | | | | | | | | | 2 | 8 | .065 | | | 12-13 |
| 13 57 | 26.720 | 54.7 | 38.9 | 18 | 4 | | | | | | | | | | | | | | | 3 | | | | | 13-14 |
| 14 50 | 26.705 | 52.5 | 40.2 | 16 | 6 | | | | | | | | | | | | | | | 5 | | | | | 14-15 |
| 15 56 | 26.680 | 56.6 | 39.3 | 15 | 6 | 6 | CI | 250 | | | | | | | | | | | | 3 | 7 | .060 | | | 15-16 |
| 16 58 | 26.665 | 54.8 | 38.4 | 16 | 4 | | | | | | | | | | | | | | | 2 | | | | | 16-17 |
| 17 55 | 26.670 | 51.3 | 36.9 | 20 | 3 | | | | | | | | | | | | | | | 2 | | | | | 17-18 |
| 18 57 | 26.675 | 48.8 | 35.6 | 22 | 9 | 3 | AC | 120 | 9 | CI | E250 | 9 | | | | | | | | 5 | 5 | .005 | | | 18-19 |
| 19 54 | 26.640 | 47.6 | 34.8 | 22 | 7 | | | | | | | | | | | | | | | 3 | | | | | 19-20 |
| 20 57 | 26.650 | 45.8 | 33.9 | 24 | 7 | | | | | | | | | | | | | | | 3 | | | | | 20-21 |
| 21 56 | 26.640 | 45.9 | 34.0 | 24 | 9 | 5 | AC | 100 | 9 | CS | E250 | 9 | | | | | | | | 7 | 6 | .035 | | | 21-22 |
| 22 52 | 26.620 | 45.4 | 33.7 | 25 | 7 | | | | | | | | | | | | | | | 3 | | | | | 22-23 |
| 23 53 | 26.600 | 47.2 | 34.8 | 24 | 10 | | | | | | | | | | | | | | | 6 | | | | | 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 | 43 | 39 | X | X | | | | | | X | | |
| | 0351 | 1 | 0 | 0 | 0 | 46 | 39 | | 0 | | | | | | | | |
| | 0952 | 2 | 0 | 0 | 0 | 48 | 38 | | 0 | | | | | | | | |
| | 1548 | 3 | 0 | 0 | 0 | 58 | 48 | | 0 | | | | | | | | |
| | 2149 | 4 | 0 | 0 | 0 | 57 | 45 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 47 | 45 | X | X | | | | | | X | | |

## STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0352 | 0953 | 1555 | 2155 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.770 | 26.805 | 26.680 | 26.640 |
| BAROGRAPH 64 | 26.785 | 26.830 | 26.675 | 26.645 |
| BAR. CORR. 65 | -.015 | -.025 | +.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 | 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 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 58 | 38 | 0 | 0 | 0 | 21 | NE | 0709 ✓ | | | | | 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: 1158P ① / Sec. / 2212PST ② / Sec. / ± Sec.

0053.8 0053 Col 9 640 53 64
1250P Col 8 S/B 12-1250P

✓ LAST OF SEVERAL OCCURRANCES

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: 19 OCT 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. REPORTING INITIATOR (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0054 | E100BKN 250 OVC | 20 | | | 152 | 44 | 12 | 33 | 02 | | 002 | 614 1077 | SEA |
| SA | 0157 | E90 OVC | 20 | | | 140 | 48 | 11 | 12 | 05 | | 998 | | SEA |
| SA | 0253 | E90 OVC | 20 | | | 125 | 47 | 12 | 31 | 02 | | 995 | | SEA |
| SA | 0354 | E70 OVC | 20 | | | 129 | 47 | 14 | 03 | 04 | | 996 | 519 1511 44 RADAT 60035 | |
| SA | 0453 | E70 OVC | 20 | | | 130 | 48 | 12 | 14 | 03 | | 996 | | |
| SA | 0553 | E70 OVC | 20 | | | 133 | 46 | 16 | 11 | 03 | | 996 | | |
| SA | 0653 | E70 OVC | 20 | | | 137 | 47 | 16 | 30 | 05 | | 997 | B/NOVC 1303 1580// | |
| SA | 0752 | E70 BKN | 20 | | | 138 | 51 | 15 | 30 | 05 | | 997 | | |
| SA | 0852 | E70 BKN | 20 | | | 136 | 53 | 13 | 24 | 03 | | 997 | | |
| SA | 0953 | E100 BKN | 20 | | | 135 | 55 | 6 | 20 | 08 | | 997 | 102 1070 44 | |
| SA | 1055 | E100 BKN | 20 | | | 127 | 58 | 17 | 21 | 07 | | 995 | | |
| SA | 1159 | E110 BKN | 20 | | | 113 | 60 | 20 | 27 | 06 | | 992 | | |
| SA | 1254 | E110 BKN | 20 | | | 105 | 62 | 21 | 33 | 03 | | 989 | 425 1070 | |
| SA | 1355 | 60 SCT E110 BKN | 20 | | | 095 | 61 | 26 | 08 | 05 | | 987 | | |
| SA | 1453 | 60 SCT E110 BKN | 20 | | | 088 | 65 | 28 | 22 | 08 | | 986 | | |
| SA | 1551 | 70 SCT E110 BKN 180 BKN | 20 | | | 085 | 63 | 26 | 22 | 05 | | 984 | 615 1570 65 RADAT 48083 | SEA |
| SA | 1654 | 70 SCT E110 BKN | 20 | | | 079 | 60 | 27 | 20 | 06 | | 982 | | SEA |
| SA | 1756 | 70 SCT E110 BKN | 20 | | | 087 | 57 | 25 | 24 | 03 | | 983 | | SEA |
| SA | 1853 | E90 BKN 120 OVC | 20 | | | 089 | 59 | 26 | 30 | 03 | | 984 | 302 1571 | SEA |
| SA | 1952 | 50 SCT E90 OVC | 20 | | | 090 | 56 | 27 | 28 | 04 | | 985 | B/NOVC OVHD | SEA |
| SA | 2055 | E90 BKN 150 BKN | 20 | | | 089 | 57 | 23 | 16 | 03 | | 985 | FEW SC 50 | SEA |
| SA | 2154 | 100 SCT | 20 | | | 085 | 54 | 28 | 11 | 05 | | 984 | 802 1070 65 | SEA |
| SA | 2249 | 60 SCT E100 BKN | 20 | | | 080 | 52 | 28 | 13 | 02 | | 982 | | SEA |
| SA | 2355 | 60 SCT 100 SCT 250-BKN | 20 | | | 078 | 50 | 29 | 32 | 03 | | 982 | | |

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 $6RRRt_R$ $7wwW_1W_2$ $8N_hC_LC_MC_H$

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: 19 OCT 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 | 26.600 | 44.3 | 38.1 | 26 | 10 | 7 | AC | E100 | 10 | CS | 250 | 10 | | | | | | | | 8 | 6 | .040 | | | 00-01 |
| 01 51 | 26.570 | 47.5 | 34.8 | 22 | 10 | | | | | | | | | | | | | | | 10 | | | | | 01-02 |
| 02 53 | 26.540 | 47.0 | 34.6 | 23 | 10 | | | | | | | | | | | | | | | 10 | | | | | 02-03 |
| 03 54 | 26.545 | 46.5 | 34.8 | 27 | 10 | 10 | SC | E70 | | | | | | | | | | | | 10 | 5 | .055 | | | 03-04 |
| 04 53 | 26.545 | 47.5 | 35.0 | 24 | 10 | | | | | | | | | | | | | | | 10 | | | | | 04-05 |
| 05 55 | 26.545 | 46.1 | 35.0 | 29 | 10 | | | | | | | | | | | | | | | 10 | | | | | 05-06 |
| 06 53 | 26.555 | 46.7 | 35.4 | 29 | 10 | 10 | SC | E70 | | | | | | | | | | | | 10 | 3 | .010 | | | 06-07 |
| 07 52 | 26.560 | 50.8 | 37.3 | 23 | 9 | | | | | | | | | | | | | | | 9 | | | | | 07-08 |
| 08 52 | 26.560 | 52.7 | 38.0 | 20 | 9 | | | | | | | | | | | | | | | 9 | | | | | 08-09 |
| 09 53 | 26.560 | 55.2 | 38.2 | 14 | 8 | 8 | AC | E100 | | | | | | | | | | | | 8 | 1 | .005 | | | 09-10 |
| 10 55 | 26.540 | 58.0 | 41.5 | 20 | 9 | | | | | | | | | | | | | | | 9 | | | | | 10-11 |
| 11 59 | 26.510 | 59.7 | 43.0 | 21 | 9 | | | | | | | | | | | | | | | 9 | | | | | 11-12 |
| 12 54 | 26.485 | 61.5 | 44.0 | 21 | 7 | 7 | AC | E110 | | | | | | | | | | | | 7 | 7 | .075 | | | 12-13 |
| 13 55 | 26.465 | 61.0 | 45.0 | 26 | 7 | | | | | | | | | | | | | | | 7 | | | | | 13-14 |
| 14 53 | 26.450 | 66.0 | 47.5 | 26 | 7 | | | | | | | | | | | | | | | 7 | | | | | 14-15 |
| 15 51 | 26.440 | 62.7 | 46.0 | 25 | 7 | 3 | SC | 70 | 3 | AC | E110 | 6 | 1 | AC | 180 | 7 | | | | 7 | 6 | .045 | | | 15-16 |
| 16 54 | 26.420 | 60.2 | 45.0 | 28 | 6 | | | | | | | | | | | | | | | 6 | | | | | 16-17 |
| 17 56 | 26.435 | 56.9 | 43.0 | 30 | 7 | | | | | | | | | | | | | | | 7 | | | | | 17-18 |
| 18 53 | 26.445 | 58.6 | 44.3 | 28 | 10 | 7 | SC | E90 | 4 | AC | 120 | 10 | | | | | | | | 9 | 3 | .000 | | | 18-19 |
| 19 52 | 26.450 | 56.0 | 43.1 | 33 | 10 | | | | | | | | | | | | | | | 9 | | | | | 19-20 |
| 20 55 | 26.450 | 57.0 | 42.3 | 26 | 7 | | | | | | | | | | | | | | | 7 | | | | | 20-21 |
| 21 54 | 26.440 | 53.5 | 41.7 | 38 | 3 | 3 | AC | 100 | | | | | | | | | | | | 3 | 8 | .005 | | | 21-22 |
| 22 49 | 26.485 | 51.9 | 41.4 | 39 | 6 | | | | | | | | | | | | | | | 5 | | | | | 22-23 |
| 23 55 | 26.420 | 49.9 | 40.5 | 43 | 6 | | | | | | | | | | | | | | | 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 0353 | X | 0 | 0 | X | 48 | 44 | X | X | | | | | | X | | |
| | 0353 | 1 | 0 | 0 | 0 | 48 | 44 | | 0 | | | | | | | | |
| | 0952 | 2 | 0 | 0 | 0 | 55 | 46 | | 0 | | | | | | | | |
| | 1546 | 3 | 0 | 0 | 0 | 65 | 55 | | 0 | | | | | | | | |
| | 2149 | 4 | 0 | 0 | 0 | 63 | 53 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 54 | 49 | X | X | | | | | | X | | |

## STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0354 | 0952 | 1550 | 2153 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.545 | 26.560 | 26.440 | 26.440 |
| BAROGRAPH 64 | 26.555 | 26.545 | 26.425 | 26.440 |
| BAR. CORR. 65 | -.010 | +.015 | +.015 | ±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 | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 65 | 44 | 0 | 0 | 0 | 12 | SW | 1056 | | | | | 8 | 8 | | |

## WEATHER & OBSTRUCTIONS TO VISION

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

## 90. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE SUNSET

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

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

TIME CHECK - CLOCK AT: 1303P @/ Sec./ 2338P35 ⊕/ Sec./ ± Sec.

0653P/CCG 1511 0900P

L-LAST OF SEVERAL OCCURRANCES

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: **20 OCT 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) | OBS. INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0056 | 60SCT 100SCT 250-BKN | 20 | | | 072 | 49 | 29 | 15 | 02 | | 981 | 710 1578 | SEA |
| SA | 0153 | 100SCT 250SCT | 20 | | | 071 | 46 | 29 | 11 | 05 | | 979 | | SEA |
| SA | 0256 | 80 SCT | 20 | | | 067 | 44 | 28 | 09 | 04 | | 978 | | SEA |
| SA | 0356 | 100SCT | 20 | | | 070 | 44 | 28 | 03 | 04 | | 979 | 505 1070 44 RADAT 60087 | |
| SA | 0459 | E100 BKN | 20 | | | 077 | 43 | 28 | 29 | 04 | | 981 | | |
| SA | 0555 | 100 SCT | 20 | | | 078 | 42 | 26 | 34 | 06 | | 980 | | |
| SA | 0650 | E100BKN | 20 | | | 085 | 41 | 29 | 15 | 05 | | 982 | 210 1070 | |
| SA | 0757 | E100BKN | 20 | | | 093 | 48 | 28 | 13 | 03 | | 985 | | |
| SA | 0855 | 60SCT E100BKN | 20 | | | 095 | 52 | 30 | 01 | 09 | | 987 | | |
| SA | 0952 | 60SCT E90BKN | 20 | | | 100 | 56 | 35 | 01 | 21 | | 987 | 219 1270 41 | |
| SA | 1050 | 50SCT E90BKN 250 BKN | 20 | | | 105 | 56 | 38 | 05 | 16 | G20 | 989 | | |
| SA | 1153 | 50SCT E90BKN 250 BKN | 20 | | | 098 | 55 | 49 | 07 | 10 | | 988 | | |
| SA | 1254 | 50 SCT 90SCT | 20 | | | 085 | 61 | 34 | 10 | 05 | | 989 | CBNW S 814 1370 | |
| SA | 1355 | E50BKN 90 BKN | 20 | | | 090 | 58 | 40 | 16 | 04 | | 984 | CBALODS RB3245 | |
| SA | 1456 | 50SCT E90BKN | 20 | | | 090 | 61 | 35 | 22 | 05 | | 985 | CBALODS | |
| SA | 1551 | 50 SCT E90 BKN | 20 | | | 085 | 60 | 33 | 33 | 03 | | 983 | R0301 1270 64 RADAT 69079 | SEA |
| SA | 1654 | E50BKN 90BKN | 20 | | | 086 | 58 | 33 | 05 | 05 | | 983 | RWY NE VIRGA SE | SEA |
| SA | 1750 | 50SCT 90SCT | 20 | | | 095 | 56 | 33 | 02 | 04 | | 985 | | SEA |
| SA | 1854 | 50SCT 90SCT | 20 | | | 104 | 50 | 33 | 04 | 06 | | 986 | 310 1470 | SEA |
| SA | 1957 | 50SCT 90SCT | 20 | | | 097 | 54 | 29 | 36 | 06 | | 986 | | SEA |
| SA | 2054 | 50 SCT | 20 | | | 104 | 52 | 32 | 09 | 06 | | 988 | | SEA |
| SA | 2151 | 110 SCT | 20 | | | 101 | 51 | 31 | 03 | 08 | | 988 | FEW SC 50/ 107 1470 64 | SEA |
| SA | 2253 | E110BKN | 20 | | | 110 | 49 | 30 | 05 | 04 | | 990 | | SEA |
| SA | 2356 | E110BKN | 20 | | | 110 | 49 | 31 | 36 | 06 | | 990 | | SEA |

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

FM12-VII: Iiiii $i_R i_x h VV$ 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 OCT 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. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | 3 | 7 | 030 | | | 00-01 |
| 00 56 | 26.410 | 49.0 | 40.1 | 46 | 6 | 1 | SC | 60 | 2 | AC | 100 | 3 | 4 | CS | 250 | 6 | | | | 2 | | | | | 01-02 |
| 01 53 | 26.400 | 46.3 | 38.8 | 51 | 2 | | | | | | | | | | | | | | | 1 | | | | | 02-03 |
| 02 56 | 26.390 | 48.5 | 36.7 | 53 | 1 | | | | | | | | | | | | | | | 2 | 5 | .015 | | | 03-04 |
| 03 56 | 26.395 | 44.1 | 37.1 | 52 | 3 | 3 | AC | 100 | | | | | | | | | | | | 5 | | | | | 04-05 |
| 04 59 | 26.410 | 42.8 | 36.6 | 56 | 6 | | | | | | | | | | | | | | | 5 | | | | | 05-06 |
| 05 55 | 26.405 | 41.5 | 35.4 | 53 | 5 | | | | | | | | | | | | | | | 6 | 2 | .030 | | | 06-07 |
| 06 50 | 26.425 | 41.0 | 41.8 | 61 | 7 | 7 | AC | E100 | | | | | | | | | | | | 9 | | | | | 07-08 |
| 07 51 | 26.450 | 47.7 | 39.2 | 46 | 9 | | | | | | | | | | | | | | | 9 | | | | | 08-09 |
| 08 55 | 26.465 | 52.0 | 42.0 | 43 | 9 | | | | | | | | | | | | | | | 9 | 2 | .055 | | | 09-10 |
| 09 52 | 26.480 | 56.1 | 45.6 | 44 | 9 | 3 | CU | 60 | 6 | AC | E80 | 9 | | | | | | | | 9 | | | | | 10-11 |
| 10 50 | 26.485 | 55.5 | 46.6 | 52 | 9 | | | | | | | | | | | | | | | 8 | | | | | 11-12 |
| 11 53 | 26.465 | 54.7 | 47.8 | 61 | 9 | | | | | | | | | | | | | | | 4 | 8 | .040 | | | 12-13 |
| 12 54 | 26.440 | 61.3 | 47.6 | 35 | 4 | 3 | CB | 50 | 1 | AC | 90 | 4 | | | | | | | | 9 | | | | | 13-14 |
| 13 55 | 26.440 | 57.5 | 48.5 | 53 | 9 | | | | | | | | | | | | | | | 8 | | | | | 14-15 |
| 14 56 | 26.445 | 60.6 | 47.7 | 38 | 8 | | | | | | | | | | | | | | | 6 | 8 | .010 | | | 15-16 |
| 15 57 | 26.430 | 59.8 | 46.6 | 36 | 6 | 5 | CU | 50 | 3 | AC | E90 | 6 | | | | | | | | 8 | | | | | 16-17 |
| 16 54 | 26.430 | 58.4 | 46.2 | 39 | 8 | | | | | | | | | | | | | | | 5 | | | | | 17-18 |
| 17 50 | 26.450 | 56.3 | 45.0 | 41 | 5 | | | | | | | | | | | | | | | 2 | 3 | .030 | | | 18-19 |
| 18 54 | 26.460 | 50.1 | 42.0 | 51 | 2 | 1 | SC | 50 | 1 | AC | 90 | 2 | | | | | | | | 4 | | | | | 19-20 |
| 19 51 | 26.460 | 53.7 | 42.6 | 39 | 4 | | | | | | | | | | | | | | | 2 | | | | | 20-21 |
| 20 54 | 26.480 | 52.0 | 42.6 | 46 | 2 | | | | | | | | | | | | | | | 2 | 1 | .020 | | | 21-22 |
| 21 51 | 26.480 | 51.1 | 42.0 | 47 | 2 | 0 | SC | 50 | 2 | AC | 110 | 2 | | | | | | | | 6 | | | | | 22-23 |
| 22 53 | 26.495 | 48.9 | 40.3 | 47 | 6 | | | | | | | | | | | | | | | 6 | | | | | 23-24 |
| 23 56 | 26.495 | 49.0 | 40.9 | 50 | 6 | | | | | | | | | | | | | | | | | | | | |

## 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 | | 0 | 0 | | 50 | 44 | | | | | | | | | | |
| | 0355 | 1 | 0 | 0 | 0 | 54 | 44 | | 0 | | | | | | | | |
| | 0950 | 2 | 0 | 0 | 0 | 59 | 41 | | 0 | | | | | | | | |
| | 1547 | 3 | .01 | 0 | 0 | 64 | 54 | | 0 | | | | | | | | |
| | 2147 | * | 0 | 0 | 0 | 60 | 49 | | 0 | | | | | | | | |
| | MID. | | 0 | 0 | 0 | 51 | 49 | | | | | | | | | | |

## STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0356 | 0952 | 1550 | 2150 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.395 | 26.480 | 26.480 | 26.480 |
| BAROGRAPH 64 | 26.395 | 26.475 | 26.485 | 26.475 |
| BAR. CORR. 65 | +.0 | +.005 | +.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 TD (Ins.) 69 | 24 HR 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 64 | 41 | .01 | 0 | 0 | 24 | NE | 1013 | | | | | 8 | 6 | | |

## WEATHER & OBSTRUCTIONS TO VISION

| TYPE 82 | BEGAN 83 | ENDED 84 | TYPE 86 | BEGAN 87 | ENDED 88 |
|---|---|---|---|---|---|
| RW- | 1332 | 1345 | | | |

## 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: 1408P ⊖/ Sec./ 2158PS ⊕ 0 Sec./ ± Sec.

1254 & 1254

1153 & 1153 COL 12 988 SB 987 1335P RB32E45 1820P

← LAST OF SEVERAL OCCURRANCES



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: **21 OCT 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's of °) (9) | WIND SPEED (Kts.) (10) | WIND CHARACTER (11) | ALTIMETER SETTING (Tens) (12) | REMARKS AND SUPPLEMENTAL CODED DATA (13) | OB. REPORTING INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0053 | 110 SCT | 20 | | | 109 | 48 | 32 | 01 | 09 | | 991 | 107 1070 | SEA |
| SA | 0153 | 110 SCT | 20 | | | 112 | 45 | 32 | 05 | 07 | | 991 | | SEA |
| SA | 0250 | 110 SCT | 20 | | | 110 | 44 | 31 | 02 | 07 | | 991 | | SEA |
| SA | 0352 | 110 SCT | 20 | | | 120 | 45 | 32 | 04 | 10 | | 993 | 308 1070 42 20001 | |
| | | | | | | | | | | | | | RADAT 72077 | JD |
| SA | 0453 | 110 SCT | 20 | | | 129 | 46 | 31 | 05 | 06 | | 995 | | JD |
| SA | 0554 | 110 SCT | 20 | | | 138 | 45 | 32 | 01 | 06 | | 997 | | JD |
| SA | 0650 | CLR | 20 | | | 150 | 43 | 31 | 33 | 03 | | 999 | 220 1070 | JD |
| SA | 0754 | CLR | 20 | | | 152 | 50 | 32 | 04 | 08 | | 002 | | JD |
| SA | 0853 | CLR | 20 | | | 154 | 52 | 31 | 06 | 12 | | 002 | | JD |
| SA | 0953 | 50 SCT | 20 | | | 160 | 54 | 31 | 04 | 10 | | 004 | 115 1100 42 | JD |
| SA | 1054 | 50 SCT | 20 | | | 158 | 57 | 29 | 04 | 05 | 619 | 004 | | JD |
| SA | 1153 | 60 SCT | 20 | | | 153 | 59 | 30 | 09 | 06 | | 003 | | JD |
| SA | 1253 | 60 SCT | 20 | | | 144 | 60 | 26 | 01 | 07 | | 999 | 814 1400 | JD |
| SA | 1351 | 60 SCT 250 SCT | 20 | | | 142 | 60 | 26 | 08 | 08 | 617 | 998 | | JD |
| SA | 1450 | 70 SCT 250 SCT | 20 | | | 143 | 61 | 27 | 33 | 04 | | 999 | | JD |
| SA | 1552 | E70 BKN 250 BKN | 20 | | | 144 | 60 | 24 | 04 | 03 | | 999 | 602 1401 62 RADAT 52092 | WRC |
| SA | 1652 | 70 SCT 250 SCT | 20 | | | 148 | 58 | 27 | 03 | 09 | | 000 | | WRC |
| SA | 1752 | 70 SCT 250 SCT | 20 | | | 161 | 52 | 24 | 05 | 09 | | 003 | | WRC |
| SA | 1852 | 70 SCT 250 SCT | 20 | | | 166 | 54 | 22 | 03 | 11 | | 004 | 215 1401 | WRC |
| SA | 1952 | 70 SCT 250 -SCT | 20 | | | 168 | 50 | 23 | 04 | 11 | | 005 | | WRC |
| SA | 2052 | CLR | 20 | | | 175 | 49 | 22 | 03 | 12 | | 007 | Few Sc W | WRC |
| SA | 2152 | CLR | 20 | | | 186 | 48 | 23 | 05 | 11 | | 011 | 320 1400 62 | WRC |
| SA | 2252 | CLR | 20 | | | 188 | 47 | 23 | 06 | 10 | | 012 | | WRC |
| SA | 2352 | CLR | 20 | | | 194 | 47 | 22 | 06 | 12 | | 014 | | WRC |

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

FM12-VII: IIIII $i_R i_x$hVV Nddff $1s_nTTT$ $2s_nT_dT_dT_d$ $3P_oP_oP_oP_o$ 4PPPP 5appp 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 OCT 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 53 | 26.500 | 48.0 | 40.8 | 54 | 3 | 3 | AC | 110 | | | | | | | | | | | | 3 | 1 | .020 | | | 00-01 |
| 01 53 | 26.500 | 44.5 | 38.7 | 60 | 2 | | | | | | | | | | | | | | | 2 | | | | | 01-02 |
| 02 50 | 26.500 | 44.2 | 38.3 | 59 | 3 | | | | | | | | | | | | | | | 3 | | | | | 02-03 |
| 03 52 | 26.525 | 45.0 | 39.0 | 59 | 1 | 1 | AC | 110 | | | | | | | | | | | | 1 | 3 | .025 | | | 03-04 |
| 04 53 | 26.545 | 45.6 | 39.1 | 56 | 1 | | | | | | | | | | | | | | | 1 | | | | | 04-05 |
| 05 54 | 26.565 | 45.0 | 39.0 | 59 | 2 | | | | | | | | | | | | | | | 2 | | | | | 05-06 |
| 06 50 | 26.585 | 43.0 | 37.7 | 62 | 0 | 0 | AC | 70 | 0 | AC | 100 | 0 | | | | | | | | 0 | 2 | .060 | | | 06-07 |
| 07 54 | 26.605 | 49.6 | 41.3 | 49 | 0 | | | | | | | | | | | | | | | 0 | | | | | 07-08 |
| 08 53 | 26.610 | 52.0 | 42.3 | 44 | 0 | | | | | | | | | | | | | | | 0 | | | | | 08-09 |
| 09 53 | 26.630 | 54.4 | 43.5 | 41 | 1 | 1 | Cu | 50 | | | | | | | | | | | | 1 | 1 | .045 | | | 09-10 |
| 10 54 | 26.625 | 57.2 | 44.1 | 33 | 3 | | | | | | | | | | | | | | | 3 | | | | | 10-11 |
| 11 53 | 26.615 | 59.1 | 45.3 | 33 | 5 | | | | | | | | | | | | | | | 5 | | | | | 11-12 |
| 12 53 | 26.590 | 60.4 | 44.8 | 27 | 5 | 5 | Sc | 60 | | | | | | | | | | | | 5 | 8 | .040 | | | 12-13 |
| 13 51 | 26.580 | 59.9 | 44.6 | 27 | 4 | | | | | | | | | | | | | | | 4 | | | | | 13-14 |
| 14 50 | 26.585 | 61.1 | 45.3 | 27 | 5 | | | | | | | | | | | | | | | 5 | | | | | 14-15 |
| 15 52 | 26.585 | 60.2 | 44.1 | 24 | 7 | 6 | Sc | E70 | 1 | Cu | 250 | 7 | | | | | | | | 6 | 6 | .005 | | | 15-16 |
| 16 52 | 26.595 | 58.0 | 44.0 | 31 | 5 | | | | | | | | | | | | | | | 3 | | | | | 16-17 |
| 17 52 | 26.620 | 52.4 | 40.3 | 33 | 5 | | | | | | | | | | | | | | | 3 | | | | | 17-18 |
| 18 52 | 26.630 | 53.8 | 40.6 | 29 | 3 | 2 | Sc | 70 | 1 | Cu | 250 | 3 | | | | | | | | 2 | 2 | .045 | | | 18-19 |
| 19 52 | 26.640 | 49.8 | 36.8 | 35 | 2 | | | | | | | | | | | | | | | 1 | | | | | 19-20 |
| 20 52 | 26.660 | 46.8 | 37.8 | 34 | 0 | | | | | | | | | | | | | | | 0 | | | | | 20-21 |
| 21 52 | 26.690 | 48.0 | 37.7 | 37 | 0 | 0 | Sc | 70 | | | | | | | | | | | | 0 | 3 | .060 | | | 21-22 |
| 22 52 | 26.700 | 47.3 | 37.3 | 37 | 0 | | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 23 52 | 26.720 | 46.8 | 37.0 | 38 | 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 | 49 | 42 | X | X | | | | | | X | | |
| | 0348 | 1 | 0 | 0 | 0 | 51 | 42 | | 0 | | | | | | | | |
| | 0949 | 2 | 0 | 0 | 0 | 55 | 43 | | 0 | | | | | | | | |
| | 1548 | 3 | 0 | 0 | 0 | 62 | 54 | | 0 | | | | | | | | |
| | 2148 | 4 | 0 | 0 | 0 | 60 | 48 | X | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 48 | 46 | X | X | | | | | | X | | |

## STATION PRESSURE COMPUTATIONS

| TIME (L.S.T.) 59 | 0351 | 0952 | 1550 | 2150 |
|---|---|---|---|---|
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.525 | 26.630 | 26.585 | 26.690 |
| BAROGRAPH 64 | 26.525 | 26.620 | 26.585 | 26.685 |
| BAR. CORR. 65 | 0 | +.010* | ±0.0 | +.005 |

## SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

| 24-HR. MAX. TEMP. (°F) 66 | 24-HR. MIN. TEMP. (°F) 67 | 24-HR. PRECIP. WATER EQUIV. (Ins.) 68 | 24-HR. SNOWFALL 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 62 | 42 | 0 | 0 | 0 | 19 | NE | 1052 | | | | | 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: 0506P ±0 Sec./ 2352 PST(E) 0 Sec./ ± Sec.

01 B 0151 TEMP 46 58 45

*0955P 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 OCT 22

TO CONVERT LST TO GMT: ADD 4 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 | 0052 | CLR | 20 | | | 197 | 46 | 23 | 03 | 13 | | 015 | Z 14 | WRG |
| SA | 0152 | CLR | 20 | | | 199 | 45 | 23 | 04 | 11 | | 015 | | WRG |
| SA | 0252 | CLR | 20 | | | 195 | 44 | 21 | 04 | 13 | | 014 | | WRG |
| SA | 0351 | CLR | 20 | | | 196 | 43 | 21 | 04 | 11 | | 014 | 503 42 RADAT 45070 | JD |
| SA | 0453 | CLR | 20 | | | 201 | 44 | 21 | 05 | 12 | | 015 | | JD |
| SA | 0553 | CLR | 20 | | | 208 | 42 | 21 | 05 | 10 | | 016 | | JD |
| SA | 0654 | CLR | 20 | | | 211 | 43 | 22 | 04 | 10 | | 017 | 310 | JD |
| SA | 0754 | CLR | 20 | | | 220 | 46 | 21 | 02 | 12 | | 019 | | JD |
| SA | 0850 | CLR | 20 | | | 217 | 51 | 22 | 03 | 12 | | 019 | | JD |
| SA | 0952 | 250 -SCT | 20 | | | 210 | 53 | 24 | 03 | 10 | | 018 | 002 1006 41 | JD |
| SA | 1051 | 250 -SCT | 20 | | | 205 | 55 | 22 | 01 | 10 | | 016 | | JD |
| SA | 1154 | 250 -SCT | 20 | | | 199 | 58 | 22 | 07 | 06 | 614 | 015 | | JD |
| SA | 1254 | 250 -BKN | 20 | | | 190 | 58 | 21 | 05 | 09 | 621 | 013 | 717 1008 | JD |
| SA | 1352 | 250 -BKN | 20 | | | 180 | 58 | 20 | 03 | 10 | | 010 | | JD |
| SA | 1451 | 250 -BKN | 20 | | | 182 | 58 | 21 | 07 | 10 | | 010 | | JD |
| SA | 1552 | 250 -BKN | 20 | | | 182 | 56 | 22 | 07 | 09 | | 010 | 604 1008 60 RADAT 36079 | WRG |
| SA | 1652 | 250 -BKN | 20 | | | 179 | 56 | 21 | 11 | 11 | | 008 | | WRG |
| SA | 1752 | 250 -SCT | 20 | | | 190 | 54 | 19 | 10 | 11 | | 011 | | WRG |
| SA | 1852 | 250 -SCT | 20 | | | 193 | 53 | 21 | 05 | 08 | | 012 | 307 1008 | WRG |
| SA | 1952 | CLR | 20 | | | 194 | 47 | 19 | 04 | 10 | | 012 | FEW CS S | WRG |
| SA | 2052 | CLR | 20 | | | 195 | 47 | 19 | 04 | 10 | | 013 | | WRG |
| SA | 2152 | CLR | 20 | | | 202 | 47 | 18 | 03 | 13 | | 015 | 310 60 | WRG |
| SA | 2252 | CLR | 20 | | | 201 | 46 | 20 | 05 | 13 | | 015 | | WRG |
| SA | 2352 | CLR | 20 | | | 204 | 46 | 19 | 03 | 14 | | 016 | FEW SC W | 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 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 OCT 22

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

| TIME (L.S.T.) 16 | STATION PRESSURE (Ins.) 17 | DRY BULB (°F) 18 | WET BULB (°F) 19 | REL. HUMIDITY (%) 20 | TOTAL SKY COVER 21 | 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 | 26.730 | 46.4 | 36.8 | 39 | 0 | | | | | | | | | | | | | | | 0 | 2 | .040 | | | 00-01 |
| 01 52 | 26.730 | 45.3 | 36.3 | 41 | 0 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 52 | 26.720 | 43.8 | 35.0 | 40 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 51 | 26.720 | 42.8 | 34.3 | 41 | 0 | | | | | | | | | | | | | | | 0 | 5 | .010 | | | 03-04 |
| 04 53 | 26.730 | 43.7 | 34.8 | 39 | 0 | | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 05 53 | 26.740 | 42.4 | 34.2 | 42 | 0 | | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 06 54 | 26.750 | 43.0 | 34.7 | 42 | 0 | | | | | | | | | | | | | | | 0 | 3 | .030 | | | 06-07 |
| 07 54 | 26.770 | 45.7 | 36.1 | 38 | 0 | | | | | | | | | | | | | | | 0 | | | | | 07-08 |
| 08 50 | 26.770 | 50.8 | 39.0 | 32 | 0 | | | | | | | | | | | | | | | 0 | | | | | 08-09 |
| 09 52 | 26.755 | 53.3 | 40.8 | 32 | 3 | 3 | Cs | 250 | | | | | | | | | | | | 0 | 0 | .005 | | | 09-10 |
| 10 51 | 26.740 | 54.9 | 41.2 | 28 | 2 | | | | | | | | | | | | | | | 0 | | | | | 10-11 |
| 11 54 | 26.730 | 58.3 | 42.7 | 24 | 3 | | | | | | | | | | | | | | | 0 | | | | | 11-12 |
| 12 54 | 26.705 | 58.3 | 42.6 | 24 | 6 | 6 | Cs | 250 | | | | | | | | | | | | 1 | 7 | .050 | | | 12-13 |
| 13 52 | 26.680 | 57.9 | 42.0 | 22 | 9 | | | | | | | | | | | | | | | 2 | | | | | 13-14 |
| 14 51 | 26.680 | 58.4 | 42.5 | 23 | 9 | | | | | | | | | | | | | | | 3 | | | | | 14-15 |
| 15 52 | 26.680 | 58.4 | 42.9 | 24 | 8 | 8 | Cs | 250 | | | | | | | | | | | | 3 | 6 | .025 | | | 15-16 |
| 16 52 | 26.670 | 56.0 | 41.3 | 25 | 7 | | | | | | | | | | | | | | | 3 | | | | | 16-17 |
| 17 52 | 26.690 | 54.0 | 40.0 | 25 | 5 | | | | | | | | | | | | | | | 2 | | | | | 17-18 |
| 18 52 | 26.700 | 53.1 | 39.8 | 28 | 3 | 3 | Cs | 250 | | | | | | | | | | | | 1 | 3 | .020 | | | 18-19 |
| 19 52 | 26.700 | 47.1 | 36.2 | 32 | 0 | | | | | | | | | | | | | | | 0 | | | | | 19-20 |
| 20 52 | 26.710 | 47.0 | 36.3 | 33 | 0 | | | | | | | | | | | | | | | 0 | | | | | 20-21 |
| 21 52 | 26.730 | 46.9 | 36.0 | 31 | 0 | | | | | | | | | | | | | | | 0 | 3 | .030 | | | 21-22 |
| 22 52 | 26.730 | 46.1 | 35.9 | 35 | 0 | | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 23 52 | 26.740 | 45.8 | 35.5 | 34 | 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 | | 47 | 42 | | | | | | | | | | |
| | 0348 | 1 | 0 | 0 | 0 | 48 | 42 | | 0 | | | | | | | | |
| | 0949 | 2 | 0 | 0 | 0 | 53 | 41 | | 0 | | | | | | | | |
| | 1546 | 3 | 0 | 0 | 0 | 60 | 53 | | 0 | | | | | | | | |
| | 2148 | 4 | 0 | 0 | 0 | 58 | 46 | | 0 | | | | | | | | |
| | MID. | | 0 | 0 | 0 | 48 | 45 | | | | | | | | | | |

## STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0350 | 0951 | 1550 | 2150 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.720 | 26.755 | 26.680 | 26.730 |
| BAROGRAPH 64 | 26.730 | 27.760 | 26.680 | 26.725 |
| BAR. CORR. 65 | -.010 | -.005 | +0.0 | +.005 |

## SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

| 24-HR. MAX. TEMP. (°F) 66 | 24-HR. MIN. TEMP. (°F) 67 | 24-HR. PRECIP. WATER EQUIV. (Ins.) 68 | 24-HR. SNOWFALL 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | 41 | 0 | 0 | 0 | 21 | NE | 1252 | | | | | 4 | 2 | | |

## WEATHER & OBSTRUCTIONS TO VISION

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

## 90. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE SUNSET

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

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

TIME CHECK - CLOCK AT: 0430P ±0 Sec./ 2346P1 @ 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 OCT 23

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 (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 | 0052 | CCR | 20 | | | 211 | 45 | 23 | 03 | 11 | | 018 | 310 1400 | WRG |
| SA | 0152 | CLR | 20 | | | 212 | 43 | 19 | 04 | 15 | | 018 | | WRG |
| SA | 0252 | CCR | 20 | | | 213 | 42 | 20 | 04 | 14 | | 018 | | WRG |
| SA | 0350 | CLR | 20 | | | 216 | 42 | 19 | 04 | 11 | | 019 | 303 41 RADAT 43066 | JD |
| SA | 0453 | CLR | 20 | | | 222 | 41 | 19 | 03 | 13 | | 021 | | JD |
| SA | 0550 | CLR | 20 | | | 227 | 40 | 19 | 03 | 12 | | 022 | | JD |
| SA | 0652 | CLR | 20 | | | 235 | 43 | 20 | 04 | 12 | | 024 | 214 | JD |
| SA | 0752 | CLR | 20 | | | 243 | 46 | 21 | 06 | 14 | | 026 | | JD |
| SA | 0851 | CLR | 20 | | | 242 | 49 | 22 | 04 | 12 | | 026 | | JD |
| SA | 0953 | CLR | 20 | | | 236 | 53 | 21 | 05 | 11 | G23 | 025 | 003 39 | JD |
| SA | 1050 | CLR | 20 | | | 231 | 55 | 20 | 07 | 14 | | 024 | | JD |
| SA | 1153 | CLR | 20 | | | 215 | 58 | 20 | 06 | 13 | G21 | 019 | | JD |
| SA | 1253 | CLR | 20 | | | 206 | 60 | 19 | 02 | 12 | G20 | 017 | 824 1001 | JD |
| SA | 1355 | CLR | 20 | | | 204 | 60 | 19 | 04 | 14 | | 016 | | JD |
| SA | 1450 | CLR | 20 | | | 200 | 60 | 17 | 04 | 14 | | 015 | | JD |
| SA | 1552 | 250 - SCT | 20 | | | 198 | 60 | 19 | 04 | 13 | | 014 | 710 1001 61 RADAT 25081 | WRG |
| SA | 1652 | 250 - SCT | 20 | | | 199 | 58 | 21 | 07 | 11 | | 014 | | WRG |
| SA | 1752 | 250 - SCT | 20 | | | 204 | 55 | 18 | 10 | 11 | | 015 | | WRG |
| SA | 1852 | 250 - SCT | 20 | | | 207 | 53 | 19 | 05 | 11 | | 016 | 307 1001 | WRG |
| SA | 1952 | 250 - BKN | 20 | | | 206 | 53 | 22 | 04 | 04 | | 016 | | WRG |
| SA | 2052 | 250 - BKN | 20 | | | 204 | 51 | 19 | 06 | 07 | | 015 | | WRG |
| SA | 2152 | E 230 BKN | 20 | | | 194 | 53 | 19 | 02 | 13 | | 014 | 607 1008 61 | WRG |
| SA | 2252 | E 230 BKN | 20 | | | 199 | 50 | 21 | 04 | 11 | | 015 | | WRG |
| SA | 2352 | E 230 BKN | 20 | | | 189 | 50 | 23 | 05 | 08 | | 013 | | 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 $6RRR_{t_R}$ $7wwW_1W_2$ $8N_hC_LC_MC_H$

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 OCT 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 | 26.760 | 44.7 | 35.9 | 41 | 0 | 0 | SC | 80 | | | | | | | | | | | | 0 | 3 | .030 | | | 00-01 |
| 01 52 | 26.760 | 43.3 | 34.3 | 38 | 0 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 52 | 26.760 | 42.2 | 33.9 | 41 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 50 | 26.770 | 42.1 | 33.4 | 38 | 0 | | | | | | | | | | | | | | | 0 | 3 | .010 | | | 03-04 |
| 04 53 | 26.780 | 40.7 | 32.7 | 41 | 0 | | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 05 50 | 26.790 | 40.4 | 32.6 | 42 | 0 | | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 06 57 | 26.810 | 43.0 | 34.3 | 40 | 0 | | | | | | | | | | | | | | | 0 | 2 | .040 | | | 06-07 |
| 07 52 | 26.830 | 45.7 | 35.9 | 36 | 0 | | | | | | | | | | | | | | | 0 | | | | | 07-08 |
| 08 51 | 26.830 | 49.3 | 38.2 | 34 | 0 | | | | | | | | | | | | | | | 0 | | | | | 08-09 |
| 09 53 | 26.820 | 53.3 | 40.1 | 28 | 0 | | | | | | | | | | | | | | | 0 | 0 | .010 | | | 09-10 |
| 10 50 | 26.810 | 54.8 | 40.5 | 25 | 0 | | | | | | | | | | | | | | | 0 | | | | | 10-11 |
| 11 53 | 26.770 | 57.6 | 42.0 | 23 | 0 | | | | | | | | | | | | | | | 0 | | | | | 11-12 |
| 12 53 | 26.750 | 59.8 | 42.8 | 20 | 0 | 0 | Ci | 250 | | | | | | | | | | | | 0 | 8 | .070 | | | 12-13 |
| 13 55 | 26.740 | 59.5 | 42.6 | 20 | 0 | | | | | | | | | | | | | | | 0 | | | | | 13-14 |
| 14 50 | 26.730 | 60.4 | 42.7 | 18 | 0 | | | | | | | | | | | | | | | 0 | | | | | 14-15 |
| 15 52 | 26.720 | 60.3 | 42.9 | 20 | 2 | 2 | Ci | 250 | | | | | | | | | | | | 0 | 7 | .030 | | | 15-16 |
| 16 52 | 26.720 | 57.7 | 42.2 | 29 | 4 | | | | | | | | | | | | | | | 2 | | | | | 16-17 |
| 17 52 | 26.730 | 54.6 | 40.0 | 23 | 5 | | | | | | | | | | | | | | | 2 | | | | | 17-18 |
| 18 52 | 26.740 | 53.0 | 39.4 | 26 | 5 | 5 | Ci | 250 | | | | | | | | | | | | 2 | 3 | .020 | | | 18-19 |
| 19 52 | 26.740 | 53.0 | 40.0 | 29 | 7 | | | | | | | | | | | | | | | 3 | | | | | 19-20 |
| 20 52 | 26.730 | 50.5 | 38.1 | 29 | 8 | | | | | | | | | | | | | | | 4 | | | | | 20-21 |
| 21 52 | 26.720 | 53.3 | 39.7 | 26 | 9 | 9 | CS | 230 | | | | | | | | | | | | 7 | 8 | .020 | | | 21-22 |
| 22 52 | 26.730 | 50.2 | 38.5 | 32 | 9 | | | | | | | | | | | | | | | 6 | | | | | 22-23 |
| 23 52 | 26.710 | 50.3 | 38.9 | 33 | 8 | | | | | | | | | | | | | | | 6 | | | | | 23-24 |

## SYNOPTIC OBSERVATIONS

| TIME (G.M.T.) 43 | TIME (L.S.T.) 42 | NO. 43 | PRECIP. (Ins.) 44 | SNOW FALL (Ins.) 45 | SNOW DEPTH (Ins.) 46 | MAX. TEMP. (°F) 47 | MIN. TEMP. (°F) 48 | 49 | STATE OF GRND. 50 | 51 | 52 | 53 | 54 | 55 | SOIL TEMP. 56 | 57 | 58 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MID. TO 0346 | | 0 | 0 | | 46 | 41 | | | | | | | | | | |
| | 0346 | 1 | 0 | 0 | 0 | 48 | 41 | | 0 | | | | | | | | |
| | 0950 | 2 | 0 | 0 | 0 | 53 | 39 | | 0 | | | | | | | | |
| | 1548 | 3 | 0 | 0 | 0 | 61 | 53 | | 0 | | | | | | | | |
| | 2148 | 4 | 0 | 0 | 0 | 60 | 50 | | 0 | | | | | | | | |
| | MID. | | 0 | 0 | 0 | 54 | 50 | | | | | | | | | | |

## STATION PRESSURE COMPUTATIONS

| TIME (L.S.T.) 59 | 0349 | 0952 | 1550 | 2150 |
|---|---|---|---|---|
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.770 | 26.820 | 26.720 | 26.720 |
| BAROGRAPH 64 | 26.760 | 26.810 | 26.720 | 26.725 |
| BAR. CORR. 65 | +.010 | +.010 | +.01 | -.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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 61 | 39 | 0 | 0 | 0 | 23 | NE | 0944 | | | | | 1 | 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-MIN. MTE WIND SPEED M.P.H. OR FASTEST MILE M.P.H. | ASSOCIATED DIRECTION | TIME

TIME CHECK - CLOCK AT: 0405 P (B) 1 Sec./ 2249 PST (D) 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

STATION: WSMO, DESERT ROCK, NV

DATE: 1984 OCT 24

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

## SURFACE WEATHER OBSERVATIONS

| TYPE (1) | TIME (LST) (2) | SKY AND CEILING (Hundreds of Feet) (3) | VISIBILITY (Miles) SURFACE (4) | VISIBILITY (Miles) TOWER (4a) | WEATHER AND OBSTRUCTIONS TO VISION (5) | SEA LEVEL PRESS. (Mbs.) (6) | TEMP. (°F) (7) | DEW PT. (°F) (8) | WIND DIRECTION (00-36) (9) | WIND SPEED (Kts.) (10) | WIND CHARACTER (11) | ALTIMETER SETTING (Ins.) (12) | REMARKS AND SUPPLEMENTAL CODED DATA (13) | OBSERVER'S INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0052 | 230 -SCT | 20 | | | 185 | 47 | 20 | 05 | 07 | | 012 | 807 1008 | WRC |
| SA | 0152 | CLR | 20 | | | 183 | 44 | 19 | 04 | 10 | | 011 | | WRC |
| SA | 0252 | CLR | 20 | | | 181 | 43 | 20 | 06 | 08 | | 010 | | WRG |
| SA | 0352 | CLR | 20 | | | 175 | 44 | 20 | 06 | 07 | | 008 | 710 41 RADAT 21103 | JD |
| SA | 0450 | CLR | 20 | | | 178 | 44 | 20 | 07 | 05 | | 008 | | JD |
| SA | 0552 | 130 -SCT | 20 | | | 172 | 43 | 21 | 03 | 09 | | 006 | | JD |
| SA | 0654 | CLR | 20 | | | 173 | 44 | 20 | 12 | 04 | | 006 | 607 1030 | JD |
| SA | 0754 | CLR | 20 | | | 177 | 50 | 22 | 04 | 10 | | 008 | | JD |
| SA | 0853 | 250 -SCT | 20 | | | 162 | 55 | 22 | 11 | 06 | | 005 | | JD |
| SA | 0951 | 250 -BKN | 20 | | | 149 | 59 | 21 | 08 | 06 | | 002 | ACSL SE/ 814 1046 41 | JD |
| SA | 1057 | 250 -OVC | 20 | | | 137 | 61 | 20 | 33 | 03 | | 998 | | JD |
| SA | 1153 | 250 -OVC | 20 | | | 130 | 65 | 21 | 03 | 05 | | 997 | | JD |
| SA | 1255 | 130 SCT 250 -BKN | 20 | | | 118 | 66 | 23 | 07 | 07 | | 993 | 727 1538 | JD |
| SA | 1350 | 100 SCT 250 -BKN | 20 | | | 111 | 68 | 28 | 04 | 07 & 16 | | 991 | | JD |
| SA | 1450 | 100 SCT E250 BKN | 20 | | | 112 | 67 | 29 | 03 | 12 | | 991 | | JD |
| SA | 1552 | 100 SCT 250 SCT | 20 | | | 112 | 66 | 30 | 36 | 18 G | 29 | 991 | 607 1501 69 RADAT 49069 | WRC |
| SA | 1652 | 90 SCT | 20 | | | 128 | 63 | 27 | 02 | 12 G | 22 | 995 | | WRC |
| SA | 1752 | 90 SCT | 20 | | | 136 | 60 | 26 | 02 | 16 G | 24 | 997 | | WRG |
| SA | 1852 | 80 SCT | 20 | | | 149 | 58 | 27 | 02 | 16 G | 25 | 000 | 229 1500 | WRC |
| SA | 1952 | 80 SCT | 20 | | | 156 | 57 | 27 | 03 | 18 G | 28 | 003 | | WRG |
| SA | 2052 | 80 SCT | 20 | | | 161 | 56 | 31 | 06 | 14 | | 005 | | WRC |
| SA | 2152 | 80 SCT | 20 | | | 170 | 54 | 31 | 02 | 08 | | 008 | 224 1500 69 | WRG |
| SA | 2252 | 80 SCT | 20 | | | 172 | 49 | 30 | 24 | 04 | | 006 | WND DIR VRBL | WRG |
| SA | 2352 | CLR | 20 | | | 177 | 49 | 29 | 04 | 06 | | 010 | FCW SC SE | WRC |

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: 1984 OCT 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. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0052 | 26.700 | 47.0 | 36.4 | 33 | 5 | 5 | Cs | 230 | | | | | | | | | | | | 2 | 8 | .020 | | | 00-01 |
| 0152 | 26.690 | 44.1 | 34.7 | 36 | 0 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 0252 | 26.680 | 43.2 | 34.3 | 39 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 0352 | 26.670 | 44.2 | 34.9 | 37 | 0 | | | | | | | | | | | | | | | 0 | 7 | .030 | | | 03-04 |
| 0452 | 26.670 | 43.9 | 34.8 | 38 | 0 | | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 0552 | 26.650 | 43.2 | 34.5 | 40 | 2 | | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 0654 | 26.650 | 43.7 | 34.7 | 39 | 0 | 0 | Ac | 130 | | | | | | | | | | | | 0 | 6 | .020 | | | 06-07 |
| 0754 | 26.670 | 50.2 | 38.6 | 32 | 0 | | | | | | | | | | | | | | | 0 | | | | | 07-08 |
| 0853 | 26.635 | 54.9 | 41.0 | 27 | 3 | | | | | | | | | | | | | | | 0 | | | | | 08-09 |
| 0951 | 26.610 | 58.7 | 42.8 | 23 | 9 | 0 | Ac | 130 | 9 | Cs | 250 | 9 | | | | | | | | 0 | 8 | .040 | | | 09-10 |
| 1057 | 26.580 | 60.5 | 43.3 | 20 | 10 | | | | | | | | | | | | | | | 1 | | | | | 10-11 |
| 1153 | 26.565 | 65.0 | 45.8 | 19 | 10 | | | | | | | | | | | | | | | 1 | | | | | 11-12 |
| 1255 | 26.530 | 66.3 | 46.7 | 19 | 9 | 0 | Sc | 60 | 1 | Ac | 130 | 1 | 9 | Cs | 250 | 9 | | | | 1 | 7 | .080 | | | 12-13 |
| 1350 | 26.510 | 67.7 | 48.8 | 23 | 9 | | | | | | | | | | | | | | | 4 | | | | | 13-14 |
| 1450 | 26.510 | 66.6 | 48.6 | 24 | 9 | | | | | | | | | | | | | | | 5 | | | | | 14-15 |
| 1552 | 26.510 | 66.2 | 44.5 | 26 | 5 | 5 | Sc | 100 | 0 | Cs | 250 | 5 | | | | | | | | 5 | 6 | .020 | | | 15-16 |
| 1652 | 26.550 | 62.8 | 46.2 | 25 | 4 | | | | | | | | | | | | | | | 4 | | | | | 16-17 |
| 1752 | 26.565 | 60.4 | 44.8 | 27 | 2 | | | | | | | | | | | | | | | 2 | | | | | 17-18 |
| 1852 | 26.595 | 58.1 | 43.9 | 30 | 2 | 2 | Sc | 90 | | | | | | | | | | | | 2 | 2 | .085 | | | 18-19 |
| 1952 | 26.620 | 56.6 | 43.3 | 31 | 3 | | | | | | | | | | | | | | | 3 | | | | | 19-20 |
| 2052 | 26.640 | 56.4 | 44.3 | 37 | 4 | | | | | | | | | | | | | | | 4 | | | | | 20-21 |
| 2152 | 26.665 | 53.8 | 43.0 | 41 | 5 | 5 | Sc | 80 | | | | | | | | | | | | 5 | 2 | .070 | | | 21-22 |
| 2252 | 26.665 | 49.0 | 40.3 | 47 | 3 | | | | | | | | | | | | | | | 3 | | | | | 22-23 |
| 2352 | 26.680 | 47.2 | 39.2 | 49 | 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 | | 50 | 41 | | | | | | | | | | |
| | 0349 | 1 | 0 | 0 | 0 | 54 | 41 | | 0 | | | | | | | | |
| | 0948 | 2 | 0 | 0 | 0 | 59 | 41 | | 0 | | | | | | | | |
| | 1548 | 3 | 0 | 0 | 0 | 69 | 59 | | 0 | | | | | | | | |
| | 2148 | 4 | 0 | 0 | 0 | 66 | 53 | | 0 | | | | | | | | |
| | MID. | | 0 | 0 | 0 | 54 | 47 | | | | | | | | | | |

## STATION PRESSURE COMPUTATIONS

| TIME (L.S.T.) 59 | 0357 | 0950 | 1550 | 2150 |
|---|---|---|---|---|
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.670 | 26.610 | 26.510 | 26.665 |
| BAROGRAPH 64 | 26.670 | 26.610 | 26.500 | 26.660 |
| 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 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 69 | 41 | 0 | 0 | 0 | 31 | NE | 1910 | | | | | 6 | 4 | | |

## WEATHER & OBSTRUCTIONS TO VISION

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

## 90. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE SUNSET

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

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

TIME CHECK - CLOCK AT: 0413P ⊕ / Sec. / 2251P ⊕ / 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, NV

DATE: 1984 OCT 25

TO CONVERT LST TO GMT ADD 4 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 | 0052 | CLR | 20 | | | 175 | 48 | 29 | 07 | 08 | | 010 | 105 | WRG |
| SA | 0151 | CLR | 20 | | | 173 | 49 | 29 | 06 | 11 | | 010 | FEW SC SE | WRG |
| SA | 0252 | CLR | 20 | | | 183 | 47 | 29 | 06 | 13 | | 012 | | WRG |
| SA | 0351 | CLR | 20 | | | 183 | 48 | 34 | 06 | 11 | | 012 | 107 45 RADAT 61074 | SH |
| SA | 0459 | CLR | 20 | | | 191 | 49 | 30 | 06 | 18 | | 014 | | SH |
| SA | 0550 | CLR | 20 | | | 197 | 48 | 30 | 08 | 10 | | 015 | FEW CI | SH |
| SA | 0651 | 250 - SCT | 20 | | | 198 | 48 | 29 | 07 | 11 | | 015 | 110 4100 1001 | SH |
| SA | 0750 | CLR | 20 | | | 203 | 51 | 30 | 11 | 15 | | 017 | FEW CI | SH |
| SA | 0850 | CLR | 20 | | | 204 | 54 | 30 | 08 | 14 | | 017 | | SH |
| SA | 0951 | CLR | 20 | | | 206 | 56 | 29 | 06 | 13 | | 018 | 208 45 | SH |
| SA | 1050 | CLR | 20 | | | 204 | 59 | 30 | 05 | 14 | | 017 | | SH |
| SA | 1152 | CLR | 20 | | | 194 | 60 | 30 | 03 | 12 | | 014 | | SH |
| SA | 1251 | CLR | 20 | | | 185 | 62 | 28 | 06 | 09 | | 012 | 719 | SH |
| SA | 1350 | CLR | 20 | | | 172 | 62 | 28 | 06 | 11 | | 008 | | SH |
| SA | 1450 | 250 - SCT | 20 | | | 169 | 63 | 27 | 11 | 12 | | 007 | | SH |
| SA | 1551 | CLR | 20 | | | 164 | 62 | 25 | 12 | 12 | | 006 | 819 1001 64 RADAT 23104 | HS |
| SA | 1652 | CLR | 20 | | | 163 | 59 | 25 | 13 | 08 | | 005 | | HS |
| SA | 1753 | CLR | 20 | | | 169 | 56 | 23 | 12 | 07 | | 007 | | HS |
| SA | 1853 | CLR | 20 | | | 169 | 55 | 25 | 11 | 07 | | 007 | 302 | HS |
| SA | 1950 | CLR | 20 | | | 169 | 53 | 31 | 06 | 02 | | 007 | | HS |
| SA | 2050 | CLR | 20 | | | 176 | 49 | 26 | 14 | 04 | | 009 | | HS |
| SA | 2151 | 250 - SCT | 20 | | | 173 | 47 | 25 | 05 | 07 | | 008 | 003 1001 64 | HS |
| SA | 2251 | 250 - SCT | 20 | | | 169 | 45 | 29 | 34 | 04 | | 007 | | HS |
| SA | 2350 | CLR | 20 | | | 167 | 46 | 22 | 15 | 05 | | 007 | | HS |

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

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

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

☆ U.S. G.P.O. 1982-564-008/1123

MF1-10B (1-82)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: 1984 OCT 25

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

| TIME (L.S.T.) 16 | STATION PRESSURE (Ins.) 17 | DRY BULB (°F) 18 | WET BULB (°F) 19 | REL. HUMIDITY (%) 20 | TOTAL SKY COVER 21 | LOWEST LAYER AMT. 22 | LOWEST LAYER TYPE 23 | LOWEST LAYER HEIGHT 24 | SECOND LAYER AMT. 25 | SECOND LAYER TYPE 26 | SECOND LAYER HEIGHT 27 | SUMMATION TOTAL 28 | THIRD LAYER AMT. 29 | THIRD LAYER TYPE 30 | THIRD LAYER HEIGHT 31 | SUMMATION TOTAL 32 | FOURTH LAYER AMT. 33 | FOURTH LAYER TYPE 34 | FOURTH LAYER HEIGHT 35 | TOTAL OPAQUE SKY COVER 36 | PRESSURE TENDENCY 37 | NET 3-HR. CHANGE (Ins.) 38 | SUNSHINE (Min.) 39 | PRECIPITATION (Ins.) 40 | HR. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00 52 | 26680 | 48.0 | 39.6 | 48 | 0 | | | | | | | | | | | | | | | 0 | 1 | .015 | | | 00-01 |
| 01 52 | 26680 | 48.9 | 40.1 | 46 | 0 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 52 | 26700 | 46.8 | 38.8 | 49 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 51 | 26700 | 47.7 | 41.1 | 58 | 0 | | | | | | | | | | | | | | | 0 | 1 | .020 | | | 03-04 |
| 04 59 | 26720 | 48.7 | 40.3 | 48 | 0 | | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 05 50 | 26730 | 48.0 | 39.8 | 49 | 0 | | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 06 51 | 26730 | 47.5 | 39.3 | 48 | 2 | 2 | Ci | 250 | | | | | | | | | | | | 1 | 1 | .030 | | | 06-07 |
| 07 50 | 26745 | 50.6 | 41.3 | 45 | 0 | | | | | | | | | | | | | | | 0 | | | | | 07-08 |
| 08 50 | 26750 | 53.5 | 42.6 | 40 | 0 | | | | | | | | | | | | | | | 0 | | | | | 08-09 |
| 09 51 | 26755 | 56.0 | 43.7 | 36 | 0 | | | | | | | | | | | | | | | 0 | 2 | .025 | | | 09-10 |
| 10 50 | 26745 | 59.0 | 45.4 | 33 | 0 | | | | | | | | | | | | | | | 0 | | | | | 10-11 |
| 11 52 | 26720 | 60.0 | 45.8 | 32 | 0 | | | | | | | | | | | | | | | 0 | | | | | 11-12 |
| 12 51 | 26700 | 62.4 | 46.3 | 27 | 0 | | | | | | | | | | | | | | | 0 | 7 | .055 | | | 12-13 |
| 13 50 | 26670 | 61.8 | 46.0 | 28 | 0 | | | | | | | | | | | | | | | 0 | | | | | 13-14 |
| 14 50 | 26660 | 62.5 | 46.0 | 26 | 1 | | | | | | | | | | | | | | | 0 | | | | | 14-15 |
| 15 51 | 26.645 | 62.2 | 45.4 | 26 | 0 | 0 | Ci | 250 | | | | | | | | | | | | 0 | 8 | .055 | | | 15-16 |
| 16 52 | 26.640 | 59.2 | 44.0 | 27 | 0 | | | | | | | | | | | | | | | 0 | | | | | 16-17 |
| 17 53 | 26.650 | 55.5 | 41.6 | 28 | 0 | | | | | | | | | | | | | | | 0 | | | | | 17-18 |
| 18 53 | 26.650 | 55.3 | 42.2 | 31 | 0 | | | | | | | | | | | | | | | 0 | 3 | .005 | | | 18-19 |
| 19 50 | 26.650 | 52.9 | 42.6 | 42 | 0 | | | | | | | | | | | | | | | 0 | | | | | 19-20 |
| 20 50 | 26.670 | 49.0 | 39.3 | 41 | 0 | | | | | | | | | | | | | | | 0 | | | | | 20-21 |
| 21 51 | 26.660 | 47.4 | 38.0 | 41 | 1 | 1 | Ci | 250 | | | | | | | | | | | | 0 | 0 | .010 | | | 21-22 |
| 22 51 | 26.650 | 44.6 | 38.0 | 55 | 1 | | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 23 50 | 26.650 | 46.0 | 36.4 | 38 | 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 0346 | X | 0 | 0 | X | 49 | 45 | X | X | | | | | | X | | |
| | 0346 | 1 | 0 | 0 | 0 | 54 | 45 | | 0 | | | | | | | | |
| | 0945 | 2 | 0 | 0 | 0 | 56 | 47 | | 0 | | | | | | | | |
| | 1547 | 3 | 0 | 0 | 0 | 64 | 56 | | 0 | | | | | | | | |
| | 2147 | 4 | 0 | 0 | 0 | 62 | 43 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 47 | 42 | X | X | | | | | | X | | |

## STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0348 | 0947 | 1550 | 2150 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.700 | 26.755 | 26.645 | 26.660 |
| BAROGRAPH 64 | 26.690 | 26.755 | 26.645 | 26.660 |
| BAR. CORR. 65 | +.010 | * 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 64 | 42 | 0 | 0 | 0 | 21 | E | 0504 | | | | | 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 MINUTE WIND SPEED M.P.H. OR FASTEST MILE M.P.H. ASSOCIATED DIRECTION TIME

TIME CHECK - CLOCK AT: 0649P @ /Sec./ 1900P @ /Sec./ ± Sec.

0651P 1001 0900P

* BAROGRAM CHANGED 0952-PST

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

## SURFACE WEATHER OBSERVATIONS

STATION: **WSMO, DESERT ROCK NEVADA**

DATE: 26 OCT 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. REMARKS INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0055 | CLR | 20 | | | 166 | 46 | 23 | 07 | 03 | | 007 | 603 1001 | HS |
| SA | 0151 | CLR | 20 | | | 165 | 42 | 27 | 35 | 06 | | 005 | | HS |
| SA | 0250 | CLR | 20 | | | 168 | 38 | 24 | 35 | 04 | | 005 | | HS |
| SA | 0351 | CLR | 20 | | | 162 | 38 | 22 | 12 | 03 | | 004 | 707 36 RADAT 25100 | SH |
| SA | 0453 | CLR | 20 | | | 166 | 37 | 23 | 02 | 05 | | 004 | | SH |
| SA | 0550 | 160 SCT 250 - BKN | 20 | | | 169 | 36 | 23 | 07 | 03 | | 004 | | SH |
| SA | 0651 | E160 BKN 250 OVC | 20 | | | 166 | 41 | 23 | 23 | 03 | | 004 | 400 1051 | SH |
| SA | 0750 | 160 SCT 250 - OVC | 20 | | | 162 | 45 | 24 | 09 | 02 | | 004 | | SH |
| SA | 0851 | 160 SCT E250 BKN | 20 | | | 160 | 54 | 25 | 18 | 04 | | 004 | | SH |
| SA | 0957 | 250 - BKN | 20 | | | 148 | 60 | 28 | 22 | 05 | | 001 | 710 1071 35 | SH |
| SA | 1054 | 150 SCT 250 SCT | 20 | | | 136 | 62 | 31 | 23 | 11 | | 997 | | SH |
| SA | 1151 | 150 SCT E250 BKN | 20 | | | 115 | 65 | 28 | 24 | 22 | 628 | 992 | | SH |
| SA | 1252 | E250 BKN | 20 | | | 105 | 65 | 23 | 23 | 17 | 626 | 989 | 736 1078 | SH |
| SA | 1350 | 250 SCT | 20 | | | 097 | 67 | 27 | 20 | 14 | 625 | 986 | | SH |
| SA | 1450 | 150 SCT E250 BKN | 20 | | | 089 | 65 | 27 | 23 | 18 | | 983 | | SH |
| SA | 1552 | 150 SCT E 250 BKN | 20 | | | 085 | 65 | 28 | 19 | 12 | 626 | 982 | ACSL NW 822 1048 68 | |
| | | | | | | | | | | | | | RADAT 56126 | HS |
| SA | 1650 | 150 SCT 250 - SCT | 20 | | | 075 | 64 | 30 | 21 | 11 | 621 | 979 | | HS |
| SA | 1752 | 250 - SCT | 20 | | | 071 | 64 | 31 | 20 | 13 | | 978 | FEW AC | HS |
| SA | 1856 | CLR | 20 | | | 065 | 64 | 30 | 18 | 10 | 619 | 977 | 817 1008 | HS |
| SA | 1953 | CLR | 20 | | | 065 | 58 | 27 | 18 | 02 | | 977 | | HS |
| SA | 2050 | CLR | 20 | | | 065 | 58 | 28 | 02 | 05 | | 978 | | HS |
| SA | 2150 | CLR | 20 | | | 066 | 58 | 27 | 05 | 09 | | 979 | 307 1008 68 | HS |
| SA | 2252 | CLR | 20 | | | 066 | 55 | 29 | 06 | 04 | | 979 | | HS |
| SA | 2351 | CLR | 20 | | | 066 | 54 | 28 | 02 | 07 | | 980 | | HS |

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

FM12-VII: Iliii $i_R i_x$hVV Nddff $1s_nTTT$ $2s_nT_dT_dT_d$ $3P_0P_0P_0P_0$ 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 (1-62)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK NEVADA

DATE: 26 OCT 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 | 26.650 | 45.8 | 36.5 | 39 | 0 | 0 | Ci | 250 | | | | | | | | | | | | 0 | 6 | .010 | | | 00-01 |
| 01 51 | 26.640 | 41.6 | 35.6 | 56 | 0 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 50 | 26.640 | 37.8 | 32.3 | 56 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 51 | 26.630 | 38.4 | 32.3 | 52 | 0 | | | | | | | | | | | | | | | 0 | 7 | .020 | | | 03-04 |
| 04 53 | 26.630 | 37.0 | 31.6 | 56 | 0 | | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 05 50 | 26.630 | 35.6 | 30.7 | 59 | 6 | | | | | | | | | | | | | | | 2 | | | | | 05-06 |
| 06 51 | 26.630 | 41.0 | 34.0 | 48 | 10 | 8 | AC | E160 | 2 | Ci | 250 | 10 | | | | | | | | 8 | 4 | .000 | | | 06-07 |
| 07 50 | 26.625 | 45.4 | 36.6 | 42 | 10 | | | | | | | | | | | | | | | 5 | | | | | 07-08 |
| 08 51 | 26.625 | 54.3 | 41.7 | 32 | 8 | | | | | | | | | | | | | | | 5 | | | | | 08-09 |
| 09 51 | 26.600 | 60.2 | 45.2 | 29 | 6 | 0 | AC | 160 | 6 | Ci | 250 | 6 | | | | | | | | 3 | 7 | .030 | | | 09-10 |
| 10 54 | 26.570 | 62.2 | 47.0 | 30 | 5 | | | | | | | | | | | | | | | 3 | | | | | 10-11 |
| 11 51 | 26.520 | 65.1 | 47.6 | 25 | 7 | | | | | | | | | | | | | | | 4 | | | | | 11-12 |
| 12 52 | 26.495 | 65.4 | 46.4 | 20 | 8 | 0 | AC | 150 | 8 | Cs | E250 | 8 | | | | | | | | 8 | 7 | .105 | | | 12-13 |
| 13 50 | 26.470 | 67.0 | 48.0 | 22 | 4 | | | | | | | | | | | | | | | 3 | | | | | 13-14 |
| 14 50 | 26.440 | 65.4 | 47.3 | 23 | 6 | | | | | | | | | | | | | | | 6 | | | | | 14-15 |
| 15 52 | 26.430 | 65.3 | 47.7 | 25 | 9 | 5 | Ac | 150 | 4 | Cs | E250 | 9 | | | | | | | | 7 | 8 | .065 | | | 15-16 |
| 16 50 | 26.400 | 64.4 | 47.9 | 28 | 5 | | | | | | | | | | | | | | | 2 | | | | | 16-17 |
| 17 52 | 26.390 | 64.0 | 48.0 | 29 | 3 | | | | | | | | | | | | | | | 1 | | | | | 17-18 |
| 18 56 | 26.380 | 64.4 | 47.9 | 28 | 0 | 0 | Cs | 250 | | | | | | | | | | | | 0 | 8 | .050 | | | 18-19 |
| 19 53 | 26.380 | 58.1 | 44.0 | 30 | 0 | | | | | | | | | | | | | | | 0 | | | | | 19-20 |
| 20 50 | 26.390 | 58.3 | 44.4 | 31 | 0 | | | | | | | | | | | | | | | 0 | | | | | 20-21 |
| 21 50 | 26.400 | 57.6 | 43.8 | 31 | 0 | 0 | Cs | 250 | | | | | | | | | | | | 0 | 3 | .020 | | | 21-22 |
| 22 52 | 26.400 | 55.2 | 43.3 | 37 | 0 | | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 23 51 | 26.405 | 53.8 | 42.3 | 37 | 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 | | 46 | 36 | | | | | | | | | | |
| | 0347 | 1 | 0 | 0 | 0 | 47 | 36 | | 0 | | | | | | | | |
| | 0946 | 2 | 0 | 0 | 0 | 60 | 35 | | 0 | | | | | | | | |
| | 1548 | 3 | 0 | 0 | 0 | 68 | 59 | | 0 | | | | | | | | |
| | 2146 | 4 | 0 | 0 | 0 | 65 | 53 | | 0 | | | | | | | | |
| | MID. | | 0 | 0 | 0 | 58 | 50 | | | | | | | | | | |

## STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0349 | 0948 | 1551 | 2149 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.630 | 26.600 | 26.430 | 26.400 |
| BAROGRAPH 64 | 26.630 | 26.600 | 26.430 | 26.400 |
| 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 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 68 | 35 | 0 | 0 | 0 | *28 | SW | 1501 | | | | | 7 | 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 MINUTE WIND SPEED M.P.H. OR FASTEST MILE M.P.H. | ASSOCIATED DIRECTION | TIME

TIME CHECK - CLOCK AT: 0455P @ 1 Sec. 1900P @ 1 Sec. ± Sec.

* LAST OF TWO OCCURENCES



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: 27 OCT 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) | OBS. INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0053 | CLR | 20 | | | 074 | 53 | 30 | 06 | 04 | | 982 | 308 | HS |
| SA | 0150 | CLR | 20 | | | 079 | 51 | 31 | 35 | 07 | | 983 | | HS |
| SA | 0250 | CLR | 20 | | | 081 | 52 | 30 | 03 | 10 | | 983 | | HS |
| SA | 0352 | CLR | 20 | | | 095 | 48 | 30 | 05 | 06 | | 986 | 215 47 RADAT 20112 | SH |
| SA | 0455 | CLR | 20 | | | 103 | 46 | 30 | 26 | 02 | | 988 | | SH |
| SA | 0550 | 250 -SCT | 20 | | | 113 | 44 | 29 | 06 | 03 | | 991 | | SH |
| SA | 0650 | 250 -BKN | 20 | | | 120 | 45 | 30 | 25 | 02 | | 993 | 220 107B | SH |
| SA | 0750 | E250 BKN | 20 | | | 125 | 55 | 25 | 02 | 06 | | 995 | | SH |
| SA | 0850 | 250 -BKN | 20 | | | 131 | 55 | 26 | 04 | 10 | | 997 | | SH |
| SA | 0952 | 250 -SCT | 20 | | | 127 | 59 | 27 | 01 | 09 | | 996 | 210 1008 42 | SH |
| SA | 1050 | 250 -SCT | 20 | | | 124 | 61 | 30 | 03 | 08 | | 995 | | SH |
| SA | 1150 | 250 -SCT | 20 | | | 115 | 63 | 27 | 03 | 08 | | 993 | | SH |
| SA | 1252 | 250 -SCT | 20 | | | 106 | 65 | 27 | 22 | 07 | | 991 | 717 150B | SH |
| SA | 1350 | 250 -SCT | 20 | | | 108 | 65 | 26 | 02 | 07 | | 991 | | SH |
| SA | 1450 | 250 -SCT | 20 | | | 106 | 67 | 29 | 22 | 10 | | 991 | FEW AC | SH |
| SA | 1550 | CLR | 20 | | | 106 | 65 | 29 | 24 | 10 | | 990 | 803 1031 68 RADAT 67089 | HS |
| SA | 1650 | CLR | 20 | | | 109 | 61 | 29 | 26 | 05 | | 990 | FEW AC CI | HS |
| SA | 1752 | 250 - SCT | 20 | | | 117 | 55 | 30 | 33 | 03 | | 991 | | HS |
| SA | 1852 | CLR | 20 | | | 129 | 52 | 28 | 09 | 05 | | 994 | 312 1001 | HS |
| SA | 1953 | CLR | 20 | | | 127 | 49 | 29 | 10 | 04 | | 994 | | HS |
| SA | 2050 | CLR | 20 | | | 134 | 49 | 29 | 05 | 05 | | 997 | | HS |
| SA | 2152 | CLR | 20 | | | 136 | 46 | 29 | 04 | 02 | | 997 | 210 68 | HS |
| SA | 2250 | CLR | 20 | | | 133 | 45 | 33 | 11 | 03 | | 997 | | HS |
| SA | 2352 | CLR | 20 | | | 136 | 45 | 30 | 05 | 04 | | 998 | | HS |

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

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

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

☆ U.S. G.P.O. 1982-564-008/1123

MF1-10B (1-82)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: **WSMO, DESERT ROCK NEVADA**

DATE: 27 OCT 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 53 | 26.425 | 53.1 | 42.4 | 40 | 0 | | | | | | | | | | | | | | | 0 | 3 | .025 | | | 00-01 |
| 01 50 | 26.435 | 51.4 | 42.0 | 45 | 0 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 50 | 26.440 | 52.1 | 42.1 | 43 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 52 | 26.470 | 48.2 | 40.2 | 50 | 0 | | | | | | | | | | | | | | | 0 | 2 | .045 | | | 03-04 |
| 04 55 | 26.490 | 46.3 | 39.0 | 52 | 0 | | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 05 50 | 26.510 | 44.0 | 37.6 | 55 | 4 | | | | | | | | | | | | | | | 1 | | | | | 05-06 |
| 06 50 | 26.530 | 45.3 | 38.6 | 55 | 6 | 0 | AC | 150 | 6 | CS | 250 | 6 | | | | | | | | 3 | 2 | .060 | | | 06-07 |
| 07 50 | 26.550 | 54.6 | 41.8 | 32 | 6 | | | | | | | | | | | | | | | 4 | | | | | 07-08 |
| 08 50 | 26.565 | 55.0 | 42.2 | 32 | 6 | | | | | | | | | | | | | | | 3 | | | | | 08-09 |
| 09 52 | 26.560 | 59.0 | 44.3 | 29 | 3 | 3 | CS | 250 | | | | | | | | | | | | 1 | 2 | .030 | | | 09-10 |
| 10 50 | 26.550 | 61.1 | 46.2 | 30 | 1 | | | | | | | | | | | | | | | 0 | | | | | 10-11 |
| 11 50 | 26.530 | 63.0 | 46.3 | 25 | 2 | | | | | | | | | | | | | | | 0 | | | | | 11-12 |
| 12 52 | 26.510 | 65.4 | 47.3 | 23 | 5 | 0 | SC | 100 | 5 | CS | 250 | 5 | | | | | | | | 1 | 7 | .050 | | | 12-13 |
| 13 50 | 26.510 | 65.0 | 47.0 | 23 | 1 | | | | | | | | | | | | | | | 0 | | | | | 13-14 |
| 14 50 | 26.510 | 66.5 | 48.4 | 24 | 1 | | | | | | | | | | | | | | | 0 | | | | | 14-15 |
| 15 50 | 26.500 | 65.0 | 47.8 | 26 | 0 | 0 | AC | 120 | 0 | CI | 250 | 0 | | | | | | | | 0 | 8 | .010 | | | 15-16 |
| 16 50 | 26.500 | 61.3 | 46.2 | 30 | 0 | | | | | | | | | | | | | | | 0 | | | | | 16-17 |
| 17 52 | 26.510 | 55.2 | 43.4 | 37 | 2 | | | | | | | | | | | | | | | 0 | | | | | 17-18 |
| 18 52 | 26.535 | 51.8 | 41.1 | 39 | 0 | 0 | CI | 250 | | | | | | | | | | | | 0 | 3 | .035 | | | 18-19 |
| 19 53 | 26.540 | 49.0 | 40.1 | 46 | 0 | | | | | | | | | | | | | | | 0 | | | | | 19-20 |
| 20 50 | 26.560 | 49.2 | 40.2 | 45 | 0 | | | | | | | | | | | | | | | 0 | | | | | 20-21 |
| 21 52 | 26.565 | 46.2 | 38.7 | 51 | 0 | | | | | | | | | | | | | | | 0 | 2 | .030 | | | 21-22 |
| 22 50 | 26.560 | 45.0 | 39.4 | 62 | 0 | | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 23 52 | 26.570 | 45.2 | 38.4 | 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 0347 | X | 0 | 0 | X | 54 | 47 | X | X | | | | | | X | | |
| | 0347 | 1 | 0 | 0 | 0 | 58 | 47 | | 0 | | | | | | | | |
| | 0948 | 2 | 0 | 0 | 0 | 59 | 42 | | 0 | | | | | | | | |
| | 1546 | 3 | 0 | 0 | 0 | 68 | 58 | | 0 | | | | | | | | |
| | 2148 | 4 | 0 | 0 | 0 | 65 | 43 | X | X | | | | | | X | | |
| | MID. | X | 0 | 0 | 0 | 46 | 43 | X | X | | | | | | | | |

## STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0349 | 0950 | 1549 | 2151 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.470 | 26.560 | 26.500 | 26.565 |
| BAROGRAPH 64 | 26.460 | 26.550 | 26.500 | 26.560 |
| BAR. CORR. 65 | +.010 | +.010 | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 68 | 42 | 0 | 0 | 0 | 15 | SW | 1429 | | | | | 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: 0905P ⊕ 1 Sec./ 1900P ⊕ 1 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: 28 OCT 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) | OB. INTERVAL (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0054 | CLR | 20 | | | 136 | 44 | 31 | 04 | 03 | | 998 | 302 | HS |
| SA | 0150 | CLR | 20 | | | 136 | 43 | 32 | 10 | 03 | | 998 | | HS |
| SA | 0252 | CLR | 20 | | | 136 | 41 | 32 | 09 | 05 | | 996 | | HS |
| SA | 0350 | 300 SCT | 20 | | | 149 | 40 | 31 | 09 | 05 | | 001 | 310 1005 39 RADAT 20111 | HS |
| SA | 0457 | 300 SCT | 20 | | | 152 | 41 | 30 | 12 | 05 | | 001 | | HS |
| SA | 0552 | 300-SCT | 20 | | | 159 | 38 | 31 | 36 | 04 | | 002 | | HS |
| SA | 0654 | CLR | 20 | | | 167 | 41 | 33 | 11 | 04 | | 004 | 310 | HS |
| SA | 0754 | CLR | 20 | | | 172 | 49 | 33 | 19 | 03 | | 006 | | HS |
| SA | 0851 | CLR | 20 | | | 169 | 54 | 35 | 31 | 03 | | 006 | | HS |
| SA | 0953 | CLR | 20 | | | 168 | 60 | 38 | 23 | 06 | | 006 | 107 1001 37 | HS |
| SA | 1056 | CLR | 20 | | | 167 | 62 | 35 | 23 | 07 | | 006 | | HS |
| SA | 1155 | CLR | 20 | | | 158 | 65 | 30 | 24 | 13 | | 004 | | HS |
| SA | 1253 | CLR | 20 | | | 155 | 64 | 33 | 24 | 06 | | 003 | 810 1001 | HS |
| SA | 1351 | CLR | 20 | | | 148 | 65 | 33 | 25 | 07 | | 001 | | HS |
| SA | 1454 | CLR | 20 | | | 144 | 65 | 32 | 26 | 10 | | 999 | | HS |
| SA | 1551 | CLR | 20 | | | 145 | 65 | 32 | 25 | 11 | | 999 | 610 1001 66 RADAT 39117 | EP |
| SA | 1651 | 300-SCT | 20 | | | 147 | 61 | 31 | 25 | 07 | | 999 | | EP |
| SA | 1753 | 300-SCT | 20 | | | 158 | 56 | 30 | 33 | 05 | | 002 | | EP |
| SA | 1852 | 300-SCT | 20 | | | 162 | 53 | 29 | 02 | 05 | | 003 | 310 1001 | EP |
| SA | 1950 | CLR | 20 | | | 160 | 49 | 29 | 04 | 09 | | 003 | | EP |
| SA | 2052 | CLR | 20 | | | 161 | 50 | 29 | 07 | 06 | | 004 | | EP |
| SA | 2154 | CLR | 20 | | | 156 | 46 | 28 | 08 | 02 | | 003 | 000 1001 66 | EP |
| SA | 2250 | CLR | 20 | | | 159 | 46 | 30 | 00 | 00 | | 004 | | EP |
| SA | 2355 | CLR | 20 | | | 155 | 42 | 28 | 00 | 00 | | 003 | | EP |

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

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

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

☆ U.S. G.P.O. 1982-564-008/1123

MF1-10B (1-82)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK NEVADA

DATE: 28 OCT 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 | 26.570 | 43.6 | 37.9 | 60 | 0 | | | | | | | | | | | | | | | 0 | 3 | .005 | | | 00-01 |
| 01 50 | 26.570 | 42.6 | 38.0 | 67 | 0 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 52 | 26.570 | 41.2 | 37.1 | 69 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 50 | 26.600 | 39.5 | 35.7 | 70 | 3 | 3 | CI | 300 | | | | | | | | | | | | 2 | 3 | .030 | | | 03-04 |
| 04 57 | 26.600 | 41.0 | 36.4 | 66 | 3 | | | | | | | | | | | | | | | 2 | | | | | 04-05 |
| 05 52 | 26.610 | 37.5 | 34.7 | 77 | 2 | | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 06 51 | 26.630 | 41.2 | 37.5 | 72 | 0 | | | | | | | | | | | | | | | 0 | 3 | .030 | | | 06-07 |
| 07 54 | 26.650 | 48.7 | 41.3 | 54 | 0 | | | | | | | | | | | | | | | 0 | | | | | 07-08 |
| 08 51 | 26.650 | 53.8 | 44.8 | 50 | 0 | | | | | | | | | | | | | | | 0 | | | | | 08-09 |
| 09 55 | 26.650 | 59.5 | 48.3 | 45 | 0 | 0 | CI | 300 | | | | | | | | | | | | 0 | 1 | .020 | | | 09-10 |
| 10 56 | 26.650 | 61.6 | 48.2 | 37 | 0 | | | | | | | | | | | | | | | 0 | | | | | 10-11 |
| 11 55 | 26.630 | 65.0 | 48.0 | 27 | 0 | | | | | | | | | | | | | | | 0 | | | | | 11-12 |
| 12 53 | 26.620 | 63.6 | 48.5 | 32 | 0 | 0 | CI | 300 | | | | | | | | | | | | 0 | 8 | .030 | | | 12-13 |
| 13 51 | 26.600 | 65.4 | 49.2 | 30 | 0 | | | | | | | | | | | | | | | 0 | | | | | 13-14 |
| 14 54 | 26.590 | 65.0 | 48.6 | 29 | 0 | | | | | | | | | | | | | | | 0 | | | | | 14-15 |
| 15 51 | 26.590 | 65.3 | 48.8 | 29 | 0 | 0 | CI | 300 | | | | | | | | | | | | 0 | 6 | .030 | | | 15-16 |
| 16 51 | 26.590 | 61.4 | 46.9 | 32 | 3 | | | | | | | | | | | | | | | 1 | | | | | 16-17 |
| 17 53 | 26.610 | 56.0 | 43.8 | 36 | 3 | | | | | | | | | | | | | | | 1 | | | | | 17-18 |
| 18 52 | 26.620 | 53.2 | 42.2 | 39 | 3 | 3 | CI | 300 | | | | | | | | | | | | 1 | 3 | .030 | | | 18-19 |
| 19 50 | 26.620 | 49.2 | 40.2 | 45 | 0 | | | | | | | | | | | | | | | 0 | | | | | 19-20 |
| 20 52 | 26.630 | 49.5 | 40.5 | 45 | 0 | | | | | | | | | | | | | | | 0 | | | | | 20-21 |
| 21 54 | 26.620 | 46.0 | 38.4 | 50 | 0 | 0 | CI | 300 | | | | | | | | | | | | 0 | 0 | .000 | | | 21-22 |
| 22 50 | 26.630 | 45.5 | 38.5 | 53 | 0 | | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 23 55 | 26.620 | 42.3 | 36.4 | 58 | 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 0346 | X | 0 | 0 | X | 45 | 39 | X | X | | | | | | X | | |
| | 0346 | 1 | 0 | 0 | 0 | 46 | 39 | | 0 | | | | | | | | |
| | 0950 | 2 | 0 | 0 | 0 | 60 | 37 | | 0 | | | | | | | | |
| | 1547 | 3 | 0 | 0 | 0 | 66 | 60 | | 0 | | | | | | | | |
| | 2150 | 4 | 0 | 0 | 0 | 65 | 46 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 46 | 42 | X | X | | | | | | X | | |

## STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0350 | 0955 | 1548 | 2151 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.600 | 26.650 | 26.590 | 26.620 |
| BAROGRAPH 64 | 26.590 | 26.640 | 26.585 | 26.620 |
| BAR. CORR. 65 | +.010 | +.010 | +.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 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 66 | 37 | 0 | 0 | 0 | 17 | W | 1442 | | | | | 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: 1259P ⊕0 Sec./ Z100 ⊕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

STATION **WSMO, DESERT ROCK NEVADA**

DATE 29 OCT 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) | OBSERVERS INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0036 | CLR | 20 | | | 155 | 43 | 31 | 10 | 04 | | 003 | 000 1001 | EP |
| SA | 0156 | CLR | 20 | | | 156 | 41 | 29 | 02 | 05 | | 003 | | EP |
| SA | 0250 | CLR | 20 | | | 156 | 41 | 30 | 11 | 04 | | 003 | | EP |
| SA | 0353 | CLR | 20 | | | 156 | 39 | 31 | 08 | 03 | | 003 | 400 39 RADAT 20119 | EP |
| SA | 0451 | 230 SCT | 20 | | | 166 | 41 | 31 | 12 | 04 | | 005 | | EP |
| SA | 0553 | E230 BKN | 20 | | | 173 | 41 | 31 | 15 | 05 | | 006 | | EP |
| SA | 0650 | E230 BKN | 20 | | | 182 | 40 | 31 | 08 | 03 | | 008 | 217 1006 | EP |
| SA | 0751 | 230 SCT | 20 | | | 188 | 47 | 34 | 03 | 03 | | 011 | | EP |
| SA | 0851 | 230-BKN | 20 | | | 184 | 54 | 31 | 00 | 00 | | 011 | | EP |
| SA | 0950 | 230-BKN | 20 | | | 179 | 60 | 31 | 19 | 04 | | 010 | 003 1001 38 | EP |
| SA | 1058 | 230-BKN | 20 | | | 168 | 65 | 29 | 16 | 03 | | 007 | | EP |
| SA | 1157 | 230-BKN | 20 | | | 163 | 65 | 30 | 30 | 03 | | 005 | | EP |
| SA | 1252 | 230-BKN | 20 | | | 153 | 67 | 32 | 04 | 03 | | 003 | 720 1001 | EP |
| SA | 1353 | 230-BKN | 20 | | | 150 | 68 | 33 | 21 | 06 | | 002 | | EP |
| SA | 1450 | 230-OVC | 20 | | | 151 | 67 | 32 | 23 | 08 | | 002 | | EP |
| SA | 1533 | 230-SCT | 20 | | | 153 | 66 | 34 | 23 | 09 | | 002 | 603 1001 68 RADAT 20119 | EP |
| SA | 1651 | 230-SCT | 20 | | | 154 | 62 | 31 | 24 | 05 | | 002 | | EP |
| SA | 1751 | CLR | 20 | | | 160 | 57 | 30 | 14 | 05 | | 003 | | EP |
| SA | 1852 | CLR | 20 | | | 168 | 52 | 29 | 09 | 04 | | 004 | 307 1001 | EP |
| SA | 1952 | CLR | 20 | | | 165 | 50 | 29 | 11 | 06 | | 004 | | EP |
| SA | 2051 | CLR | 20 | | | 162 | 48 | 28 | 04 | 04 | | 004 | | EP |
| SA | 2153 | CLR | 20 | | | 164 | 47 | 28 | 10 | 05 | | 005 | 303 1001 68 | EP |
| SA | 2252 | CLR | 20 | | | 158 | 44 | 28 | 11 | 03 | | 004 | | EP |
| SA | 2353 | CLR | 20 | | | 158 | 46 | 27 | 15 | 04 | | 004 | | EP |

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

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

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

☆ U.S. G.P.O. 1982-564-008/1123

MF1-10B (1-82)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK NEVADA

DATE: 29 OCT 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 56 | 26.620 | 43.3 | 37.8 | 61 | 0 | 0 | CI | 250 | | | | | | | | | | | | 0 | 0 | .000 | | | 00-01 |
| 01 56 | 26.620 | 41.0 | 36.0 | 62 | 0 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 50 | 26.620 | 41.1 | 36.2 | 63 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 53 | 26.620 | 39.3 | 35.8 | 73 | 0 | | | | | | | | | | | | | | | 0 | 4 | .000 | | | 03-04 |
| 04 51 | 26.640 | 41.0 | 36.5 | 66 | 4 | | | | | | | | | | | | | | | 3 | | | | | 04-05 |
| 05 53 | 26.650 | 40.6 | 36.3 | 67 | 8 | | | | | | | | | | | | | | | 5 | | | | | 05-06 |
| 06 50 | 26.670 | 40.0 | 36.0 | 69 | 9 | 9 | CS | E230 | | | | | | | | | | | | 7 | 2 | .050 | | | 06-07 |
| 07 51 | 26.680 | 47.0 | 40.8 | 60 | 4 | | | | | | | | | | | | | | | 3 | | | | | 07-08 |
| 08 51 | 26.690 | 53.6 | 43.0 | 41 | 7 | | | | | | | | | | | | | | | 3 | | | | | 08-09 |
| 09 50 | 26.680 | 59.8 | 46.1 | 34 | 7 | 7 | CI | 230 | | | | | | | | | | | | 3 | 0 | .010 | | | 09-10 |
| 10 58 | 26.660 | 65.1 | 47.7 | 25 | 8 | | | | | | | | | | | | | | | 3 | | | | | 10-11 |
| 11 57 | 26.640 | 68 | 48.0 | 27 | 9 | | | | | | | | | | | | | | | 3 | | | | | 11-12 |
| 12 52 | 26.620 | 67.2 | 49.5 | 27 | 9 | 9 | CI | 230 | | | | | | | | | | | | 3 | 7 | .060 | | | 12-13 |
| 13 53 | 26.610 | 67.6 | 50.0 | 27 | 9 | | | | | | | | | | | | | | | 3 | | | | | 13-14 |
| 14 50 | 26.610 | 67.0 | 49.5 | 27 | 10 | | | | | | | | | | | | | | | 4 | | | | | 14-15 |
| 15 53 | 26.610 | 65.5 | 49.5 | 31 | 3 | 3 | CI | 230 | | | | | | | | | | | | 0 | 6 | .010 | | | 15-16 |
| 16 51 | 26.610 | 61.8 | 47.0 | 31 | 1 | | | | | | | | | | | | | | | 0 | | | | | 16-17 |
| 17 51 | 26.620 | 57.0 | 44.5 | 36 | 0 | | | | | | | | | | | | | | | 0 | | | | | 17-18 |
| 18 52 | 26.630 | 52.0 | 41.5 | 40 | 0 | 0 | CI | 230 | | | | | | | | | | | | 0 | 3 | .020 | | | 18-19 |
| 19 52 | 26.630 | 49.7 | 40.6 | 45 | 0 | | | | | | | | | | | | | | | 0 | | | | | 19-20 |
| 20 51 | 26.630 | 47.8 | 39.2 | 46 | 0 | | | | | | | | | | | | | | | 0 | | | | | 20-21 |
| 21 53 | 26.640 | 46.5 | 38.6 | 49 | 0 | 0 | CI | 230 | | | | | | | | | | | | 0 | 3 | .010 | | | 21-22 |
| 22 52 | 26.630 | 44.4 | 37.3 | 51 | 0 | | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 23 53 | 26.630 | 45.5 | 37.8 | 49 | 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. 0348 | X | 0 | 0 | X | 43 | 39 | X | X | | | | | | X | | |
| | 0348 | 1 | 0 | 0 | 0 | 46 | 39 | | 0 | | | | | | | | |
| | 0946 | 2 | 0 | 0 | 0 | 60 | 38 | | 0 | | | | | | | | |
| | 1548 | 3 | 0 | 0 | 0 | 68 | 60 | | 0 | | | | | | | | |
| | 2148 | 4 | 0 | 0 | 0 | 66 | 47 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 47 | 44 | X | X | | | | | | X | | |

## STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0353 | 0950 | 1549 | 2149 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.620 | 26.680 | 26.610 | 26.640 |
| BAROGRAPH 64 | 26.630 | 26.680 | 26.610 | 26.635 |
| BAR. CORR. 65 | -.010 | *±.0 | 0 | +.005 |

## SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

| 24-HR. MAX. TEMP. (°F) 66 | 24-HR. MIN. TEMP. (°F) 67 | 24-HR. PRECIP. WATER EQUIV. (Ins.) 68 | 24-HR. SNOWFALL 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 68 | 38 | 0 | 0 | 0 | 11 | 5 | 1411 | | | | | 8 | 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: 0615P ⊕0 Sec./ 2130 ⊕0 Sec./ ± Sec.

*BAROGRAPH CHANGED - RESET TO ±.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 NEVADA

DATE: 30 OCT 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) | OBSERVER INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0051 | CLR | 20 | | | 158 | 42 | 27 | 12 | 03 | | 004 | 603 | EP |
| SA | 0150 | CLR | 20 | | | 154 | 42 | 28 | 06 | 03 | | 003 | | EP |
| SA | 0250 | CLR | 20 | | | 152 | 42 | 29 | 36 | 07 | | 003 | | EP |
| SA | 0351 | CLR | 20 | | | 152 | 41 | 29 | 00 | 00 | | 002 | 607 40 RADAT 23111 | EP |
| SA | 0453 | CLR | 20 | | | 156 | 38 | 30 | 00 | 00 | | 002 | | EP |
| SA | 0554 | CLR | 20 | | | 160 | 38 | 30 | 11 | 04 | | 003 | | EP |
| SA | 0655 | CLR | 20 | | | 162 | 42 | 32 | 02 | 04 | | 003 | 303 1001 | EP |
| SA | 0754 | CLR | 20 | | | 162 | 52 | 32 | 19 | 05 | | 004 | | EP |
| SA | 0852 | 300 SCT | 20 | | | 156 | 58 | 32 | 24 | 03 | | 003 | | EP |
| SA | 0953 | 270 SCT | 20 | | | 147 | 63 | 35 | 18 | 06 | | 001 | 807 1004 37 | EP |
| SA | 1053 | 270 SCT | 20 | | | 138 | 66 | 37 | 24 | 06 | | 998 | | EP |
| SA | 1155 | E270 BKN | 20 | | | 125 | 67 | 36 | 20 | 07 | | 995 | | EP |
| SA | 1253 | E270 BKN | 20 | | | 116 | 68 | 36 | 23 | 08 | | 992 | 727 1004 | EP |
| SA | 1353 | 270 SCT | 20 | | | 109 | 70 | 38 | 20 | 15 | 622 | 991 | | EP |
| SA | 1450 | 250 SCT | 20 | | | 099 | 69 | 36 | 19 | 17 | 624 | 987 | | EP |
| SA | 1554 | CLR | 20 | | | 100 | 68 | 35 | 23 | 15 | | 987 | 614 1001 70 RADAT 25112 | EP |
| SA | 1651 | CLR | 20 | | | 101 | 64 | 34 | 23 | 11 | | 986 | | EP |
| SA | 1751 | CLR | 20 | | | 106 | 60 | 34 | 18 | 09 | | 987 | | EP |
| SA | 1852 | CLR | 20 | | | 107 | 55 | 33 | 05 | 04 | | 987 | 500 | EP |
| SA | 1950 | CLR | 20 | | | 099 | 53 | 33 | 03 | 05 | | 986 | | EP |
| SA | 2050 | CLR | 20 | | | 095 | 56 | 35 | 12 | 03 | | 987 | | EP |
| SA | 2152 | CLR | 20 | | | 097 | 53 | 35 | 09 | 03 | | 987 | 500 70 | EP |
| SA | 2250 | CLR | 20 | | | 091 | 53 | 35 | 21 | 06 | | 986 | | EP |
| SA | 2352 | CLR | 20 | | | 090 | 55 | 35 | 18 | 05 | | 986 | | EP |

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

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

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

☆ U.S. G.P.O. 1982-564-008/1123

MF1-10B (1-82)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK NEVADA

DATE: 30 OCT 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 | 26.630 | 41.9 | 35.7 | 55 | 0 | | | | | | | | | | | | | | | 0 | 6 | .010 | | | 00-01 |
| 01 50 | 26.620 | 41.8 | 36.0 | 58 | 0 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 50 | 26.615 | 42.0 | 36.3 | 59 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 51 | 26.610 | 41.0 | 36.0 | 63 | 0 | | | | | | | | | | | | | | | 0 | 6 | .020 | | | 03-04 |
| 04 53 | 26.610 | 38.3 | 34.7 | 71 | 0 | | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 05 54 | 26.615 | 38.0 | 34.5 | 72 | 0 | | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 06 55 | 26.620 | 42.2 | 37.5 | 66 | 0 | 0 | Cl | 250 | | | | | | | | | | | | 0 | 3 | .010 | | | 06-07 |
| 07 54 | 26.630 | 52.2 | 42.7 | 45 | 0 | | | | | | | | | | | | | | | 0 | | | | | 07-08 |
| 08 52 | 26.620 | 58.4 | 45.8 | 37 | 1 | | | | | | | | | | | | | | | 1 | | | | | 08-09 |
| 09 53 | 26.600 | 62.7 | 48.7 | 36 | 3 | 3 | Cl | 270 | | | | | | | | | | | | 2 | 8 | .020 | | | 09-10 |
| 10 53 | 26.580 | 66.2 | 50.7 | 33 | 4 | | | | | | | | | | | | | | | 3 | | | | | 10-11 |
| 11 55 | 26.550 | 67.1 | 51.0 | 32 | 8 | | | | | | | | | | | | | | | 6 | | | | | 11-12 |
| 12 53 | 26.520 | 68.3 | 51.3 | 30 | 7 | 7 | Cl | E270 | | | | | | | | | | | | 5 | 7 | .080 | | | 12-13 |
| 13 53 | 26.505 | 69.5 | 52.7 | 32 | 3 | | | | | | | | | | | | | | | 2 | | | | | 13-14 |
| 14 50 | 26.480 | 69.3 | 51.8 | 30 | 3 | | | | | | | | | | | | | | | 2 | | | | | 14-15 |
| 15 54 | 26.480 | 67.8 | 50.7 | 29 | 0 | 0 | Cl | 250 | | | | | | | | | | | | 0 | 6 | .040 | | | 15-16 |
| 16 51 | 26.470 | 64.0 | 49.0 | 33 | 0 | | | | | | | | | | | | | | | 0 | | | | | 16-17 |
| 17 51 | 26.480 | 60.3 | 47.3 | 37 | 0 | | | | | | | | | | | | | | | 0 | | | | | 17-18 |
| 18 52 | 26.480 | 55.0 | 44.4 | 43 | 0 | | | | | | | | | | | | | | | 0 | 5 | .000 | | | 18-19 |
| 19 50 | 26.470 | 53.0 | 43.5 | 46 | 0 | | | | | | | | | | | | | | | 0 | | | | | 19-20 |
| 20 50 | 26.475 | 56.2 | 45.8 | 45 | 0 | | | | | | | | | | | | | | | 0 | | | | | 20-21 |
| 21 52 | 26.480 | 52.8 | 44.0 | 50 | 0 | | | | | | | | | | | | | | | 0 | 5 | .000 | | | 21-22 |
| 22 50 | 26.470 | 52.9 | 44.1 | 50 | 0 | | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 23 52 | 26.470 | 54.7 | 45.2 | 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 | 0 | 0 | X | 46 | 40 | X | X | | | | | | X | | |
| | 0347 | 1 | 0 | 0 | 0 | 47 | 40 | | 0 | | | | | | | | |
| | 0948 | 2 | 0 | 0 | 0 | 63 | 37 | | 0 | | | | | | | | |
| | 1549 | 3 | 0 | 0 | 0 | 70 | 63 | | 0 | | | | | | | | |
| | 2149 | 4 | 0 | 0 | 0 | 68 | 53 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 55 | 53 | 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 | 26.610 | 26.600 | 26.480 | 26.480 |
| BAROGRAPH 64 | 26.610 | 26.600 | 26.480 | 26.475 |
| BAR. CORR. 65 | 0 | 0 | 0 | +.005 |

## SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

| 24-HR. MAX. TEMP. (°F) 66 | 24-HR. MIN. TEMP. (°F) 67 | 24-HR. PRECIP. WATER EQUIV. (Ins.) 68 | 24-HR. SNOWFALL UNML TO (Ins.) 69 | SNOW DEPTH (Ins.) 70 | PEAK WIND SPEED (Kts.) 71 | PEAK WIND DIRECTION 72 | PEAK WIND TIME (L.S.T.) 73 | THICKNESS OF ICE ON WATER (Ins.) 74 | FROZEN GROUND LAYER (Ins.) TOP 75 | FROZEN GROUND LAYER (Ins.) BASE 76 | RIVER GAGE 77 | SKY COVER SUNRISE TO SUNSET 78 | SKY COVER MIDNIGHT TO MIDNIGHT 79 | WATER EQUIV. (Ins.) 80 | 81 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 70 | 37 | 0 | 0 | 0 | 26 | SW | 1408 | | | | | 3 | 1 | | |

## WEATHER & OBSTRUCTIONS TO VISION

| TYPE 82 | BEGAN 83 | ENDED 84 | TYPE 85 | 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: 0605P ⊕0 Sec./ 2140 ⊕0 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: 31 OCT 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 (Ins.) (12) | REMARKS AND SUPPLEMENTAL CODED DATA (13) | OB. INSPECTOR'S INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0051 | CLR | 20 | | | 091 | 48 | 34 | 03 | 05 | | 986 | 805 | EP |
| SA | 0151 | CLR | 20 | | | 087 | 50 | 33 | 32 | 07 | | 985 | | EP |
| SA | 0253 | CLR | 20 | | | 085 | 50 | 36 | 28 | 11 | | 985 | | EP |
| SA | 0351 | 220 SCT | 20 | | | 086 | 54 | 37 | 22 | 14 | | 985 | 502 1008 45 RADAT 79089 | EP |
| SA | 0452 | 220 SCT | 20 | | | 098 | 49 | 35 | 03 | 08 | | 987 | WND SHFTD GRDLY | EP |
| SA | 0550 | CLR | 20 | | | 107 | 45 | 35 | 02 | 07 | | 988 | | EP |
| SA | 0650 | CLR | 20 | | | 117 | 45 | 34 | 20 | 03 | | 991 | 217 1008 | EP |
| SA | 0751 | CLR | 20 | | | 127 | 51 | 36 | 00 | 00 | | 994 | | EP |
| SA | 0852 | CLR | 20 | | | 125 | 57 | 37 | 24 | 05 | | 995 | | EP |
| SA | 0951 | CLR | 20 | | 131 | 126 | 59 | 37 | 24 | 11 | | 996 | 117 1100 44 | EP |
| SA | 1052 | CLR | 20 | | | 128 | 61 | 35 | 22 | 10 | | 996 | FEW CU | EP |
| SA | 1152 | CLR | 20 | | | 118 | 63 | 35 | 23 | 10 | | 994 | FEW CU | EP |
| SA | 1255 | 70 SCT | 20 | | | 114 | 66 | 35 | 18 | 06 | | 992 | 814 1100 | EP |
| SA | 1352 | 70 SCT | 20 | | | 111 | 67 | 34 | 22 | 03 | | 992 | | EP |
| SA | 1452 | E70 BKN | 20 | | | 115 | 67 | 34 | 18 | 07 | | 993 | | EP |
| SA | 1553 | 80 SCT | 20 | | | 117 | 67 | 31 | 33 | 13 | | 994 | 307 1100 67 RADAT 64093 | EP |
| SA | 1653 | CLR | 20 | | | 134 | 63 | 16 | 32 | 11 | | 997 | | EP |
| SA | 1751 | CLR | 20 | | | 142 | 59 | 17 | 36 | 09 | | 998 | | EP |
| SA | 1852 | CLR | 20 | | | 158 | 57 | 19 | 02 | 09 | | 003 | 327 1400 | EP |
| SA | 1950 | CLR | 20 | | | 164 | 55 | 19 | 05 | 12 | | 005 | | EP |
| SA | 2050 | CLR | 20 | | | 166 | 54 | 19 | 04 | 13 | | 007 | | EP |
| SA | 2154 | CLR | 20 | | | 177 | 51 | 19 | 09 | 08 | | 010 | 220 67 | EP |
| SA | 2250 | CLR | 20 | | | 181 | 50 | 20 | 03 | 09 | | 011 | | EP |
| SA | 2351 | CLR | 20 | | | 190 | 51 | 21 | 03 | 11 | | 014 | | 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: 31 OCT 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 | 26.465 | 47.7 | 41.3 | 59 | 0 | | | | | | | | | | | | | | | 0 | 8 | .015 | | | 00-01 |
| 01 51 | 26.460 | 50.4 | 42.3 | 52 | 0 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 53 | 26.455 | 50.0 | 43.0 | 57 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 51 | 26.460 | 53.6 | 45.1 | 52 | 3 | 3 | CS | 220 | | | | | | | | | | | | 2 | 5 | .005 | | | 03-04 |
| 04 52 | 26.480 | 48.7 | 42.3 | 60 | 3 | | | | | | | | | | | | | | | 2 | | | | | 04-05 |
| 05 50 | 26.490 | 44.8 | 40.1 | 68 | 0 | | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 06 50 | 26.510 | 45.3 | 40.1 | 65 | 0 | 0 | CS | 220 | | | | | | | | | | | | 0 | 2 | .050 | | | 06-07 |
| 07 51 | 26.540 | 51.3 | 43.8 | 56 | 0 | | | | | | | | | | | | | | | 0 | | | | | 07-08 |
| 08 52 | 26.550 | 56.5 | 46.5 | 47 | 0 | | | | | | | | | | | | | | | 0 | | | | | 08-09 |
| 09 54 | 26.560 | 58.8 | 47.5 | 43 | 0 | 0 | CU | 70 | | | | | | | | | | | | 0 | 1 | .050 | | | 09-10 |
| 10 52 | 26.560 | 60.6 | 47.8 | 38 | 0 | | | | | | | | | | | | | | | 0 | | | | | 10-11 |
| 11 52 | 26.540 | 62.6 | 48.6 | 36 | 0 | | | | | | | | | | | | | | | 0 | | | | | 11-12 |
| 12 55 | 26.520 | 65.9 | 50.0 | 32 | 1 | 1 | CU | 70 | | | | | | | | | | | | 1 | 8 | .040 | | | 12-13 |
| 13 52 | 26.520 | 66.5 | 50.1 | 30 | 4 | | | | | | | | | | | | | | | 4 | | | | | 13-14 |
| 14 52 | 26.530 | 67.0 | 50.2 | 29 | 7 | | | | | | | | | | | | | | | 7 | | | | | 14-15 |
| 15 53 | 26.540 | 66.7 | 49.2 | 27 | 2 | 2 | CU | 80 | | | | | | | | | | | | 2 | 3 | .020 | | | 15-16 |
| 16 53 | 26.570 | 63.0 | 43.7 | 16 | 0 | | | | | | | | | | | | | | | 0 | | | | | 16-17 |
| 17 51 | 26.580 | 58.9 | 42.0 | 19 | 0 | | | | | | | | | | | | | | | 0 | | | | | 17-18 |
| 18 52 | 26.620 | 56.9 | 41.4 | 23 | 0 | 0 | SC | 80 | | | | | | | | | | | | 0 | 3 | .080 | | | 18-19 |
| 19 50 | 26.640 | 55.0 | 40.4 | 24 | 0 | | | | | | | | | | | | | | | 0 | | | | | 19-20 |
| 20 50 | 26.655 | 54.0 | 40.0 | 25 | 0 | | | | | | | | | | | | | | | 0 | | | | | 20-21 |
| 21 54 | 26.680 | 50.8 | 38.4 | 29 | 0 | | | | | | | | | | | | | | | 0 | 2 | .060 | | | 21-22 |
| 22 50 | 26.690 | 49.5 | 37.9 | 31 | 0 | | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 23 51 | 26.720 | 51.1 | 38.8 | 30 | 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 | | 0 | 0 | | 55 | 45 | | | | | | | | | | |
| | 0347 | 1 | 0 | 0 | 0 | 55 | 45 | | 0 | | | | | | | | |
| | 0949 | 2 | 0 | 0 | 0 | 59 | 44 | | 0 | | | | | | | | |
| | 1549 | 3 | 0 | 0 | 0 | 67 | 59 | | 0 | | | | | | | | |
| | 2149 | 4 | 0 | 0 | 0 | 67 | 51 | | 0 | | | | | | | | |
| | MID. | | 0 | 0 | 0 | 51 | 50 | | | | | | | | | | |

## STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0351 | 0954 | 1550 | 2150 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.460 | 26.560 | 26.540 | 26.680 |
| BAROGRAPH 64 | 26.450 | 26.540 | 26.520 | 26.660 |
| BAR. CORR. 65 | +.010 | +.020 | +.020 | +.020 |

## SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

| 24-HR. MAX. TEMP. (°F) 66 | 24-HR. MIN. TEMP. (°F) 67 | 24-HR. PRECIP. WATER EQUIV. (Ins.) 68 | 24-HR. SNOWFALL 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 67 | 44 | 0 | 0 | 0 | 17 | SW | 0338 | | | | | 1 | 1 | | |

## 90. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE SUNSET

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

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

TIME CHECK - CLOCK AT: 0535P ±0 Sec./ 2040 ±0 Sec./ ± Sec.

0954P / SLP 131 / 2355P

## WEATHER & OBSTRUCTIONS TO VISION

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