WB FORM 733-1
(REV. 1-65)

U.S. DEPARTMENT OF COMMERCE
WEATHER BUREAU

# PRELIMINARY LOCAL CLIMATOLOGICAL DATA

STATION: DESERT ROCK, NV

MONTH: November

YEAR: 1978

LATITUDE: 36° 37' N

LONGITUDE: 116° 01' W

GROUND ELEVATION (H): 3298 FT.

STANDARD TIME: Pacific

| DAY | TEMPERATURE °F MAXIMUM | MINIMUM | AVERAGE | DEPARTURE FROM NORMAL | DEGREE DAYS (Base 65°) | PRECIPITATION (In.) TOTAL (Water equivalent) | SNOWFALL, SLEET | SNOW, SLEET OR ICE ON GROUND AT 0400 | WIND AVERAGE SPEED (Knots) | FASTEST MILE Peak Speed (Knots) | DIRECTION | ~~SUNSHINE~~ Av. Station Pressure (Hrs and tenths) | ~~PERCENT OF POSSIBLE~~ | SKY COVER SUNRISE TO SUNSET (Tenths) | WEATHER OCCURRENCES | Relative Humidity @ 0400 | 1000 | 1600 | 2200 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 64 | 43 | 54 | | 11 | | | | 5.5 | 24 | SW | 26.6 | 95 | 3 | | 73 | 62 | 25 | 72 |
| 2 | 60 | 39 | 50 | | 15 | .02 | | | 5.3 | 34 | NW | 26.6 | 94 | 4 | RW | 85 | 54 | 45 | 77 |
| 3 | 75 | 43 | 59 | | 6 | | | | 8.5 | 21 | N | 26.7 | 98 | 0 | | 73 | 41 | 25 | 43 |
| 4 | 74 | 47 | 61 | | 4 | | | | 4.4 | 15 | N | 26.6 | 40 | 3 | | 49 | 36 | 22 | 45 |
| 5 | 75 | 53 | 64 | | 1 | | | | 8.0 | 19 | NE | 26.5 | 99 | 8 | | 47 | 24 | 14 | 30 |
| 6 | 74 | 51 | 63 | | 2 | | | | 9.2 | 14 | N | 26.7 | 83 | 6 | | 37 | 25 | 13 | 28 |
| 7 | 76 | 49 | 63 | | 2 | | | | 7.0 | 17 | NE | 26.8 | 18 | 0 | | 34 | 27 | 14 | 34 |
| 8 | 76 | 44 | 60 | | 5 | | | — | 2.8 | 9 | S | 26.6 | 50 | 0 | | 33 | 20 | 13 | 37 |
| 9 | 75 | 40 | 58 | | 7 | | | | 6.5 | 31 | SW | 26.3 | 45 | 1 | | 41 | 20 | 11 | 17 |
| 10 | 61 | 43 | 52 | | 13 | .58 | | | 5.1 | 22 | N | 26.2 | 64 | 10 | R, RW | 34 | 26 | 71 | 95 |
| 11 | 49 | 38 | 44 | | 21 | .20 | | | 7.4 | 24 | S | 26.2 | 98 | 10 | R, RW | 63 | 70 | 68 | 88 |
| 12 | 48 | 34 | 41 | | 24 | .03 | | | 8.5 | 28 | SW | 26.5 | 24 | 5 | R | 81 | 57 | 47 | 76 |
| 13 | 45 | 31 | 38 | | 27 | .09 | | | 4.3 | 14 | N | 26.5 | 64 | 9 | RW | 80 | 69 | 84 | 90 |
| 14 | 47 | 34 | 41 | | 24 | | | | 8.9 | 21 | N | 26.5 | 91 | 7 | | 83 | 51 | 40 | 62 |
| 15 | 54 | 33 | 44 | | 21 | | | | 7.5 | 13 | N | 26.7 | 29 | 0 | | 64 | 40 | 30 | 64 |
| 16 | 54 | 29 | 42 | | 23 | | | | 3.5 | 8 | NE | 26.7 | 73 | 0 | | 76 | 45 | 26 | 61 |
| 17 | 60 | 35 | 48 | | 17 | | | | 7.5 | 16 | N | 26.7 | 49 | 2 | | 47 | 53 | 38 | 59 |
| 18 | 62 | 36 | 49 | | 16 | | | | 4.3 | 12 | E | 26.7 | 45 | 0 | | 64 | 41 | 29 | 66 |
| 19 | 61 | 33 | 47 | | 18 | | | | 6.0 | 18 | SE | 26.6 | 25 | 2 | | 78 | 41 | 31 | 62 |
| 20 | 68 | 33 | 51 | | 14 | | | | 4.6 | 18 | SW | 26.5 | 50 | 0 | | 77 | 40 | 25 | 54 |
| 21 | 59 | 32 | 46 | | 19 | .03 | | | 8.2 | 33 | SW | 26.4 | 43 | 4 | RW | 74 | 42 | 52 | 69 |
| 22 | 56 | 35 | 46 | | 19 | | | | 5.7 | 26 | S | 26.5 | 90 | 3 | | 66 | 39 | 33 | 72 |
| 23 | 57 | 34 | 46 | | 19 | | | | 6.9 | 19 | SE | 26.6 | 55 | 3 | | 80 | 48 | 35 | 50 |
| 24 | 48 | 36 | 42 | | 23 | .62 | | | 8.5 | 22 | E | 26.4 | 93 | 10 | R | 49 | 43 | 80 | 97 |
| 25 | 51 | 32 | 42 | | 23 | .02 | | | 3.2 | 13 | S | 26.5 | 38 | 7 | R | 94 | 74 | 40 | 88 |
| 26 | 49 | 31 | 40 | | 25 | | | | 8.7 | 24 | N | 26.6 | 14 | 2 | | 85 | 43 | 35 | 64 |
| 27 | 50 | 33 | 42 | | 23 | | | | 9.5 | 20 | NE | 26.7 | 79 | 4 | | 62 | 38 | 33 | 41 |
| 28 | 53 | 30 | 42 | | 23 | | | | 3.0 | 10 | SW | 26.7 | 93 | 8 | | 75 | 48 | 27 | 77 |
| 29 | 59 | 32 | 46 | | 19 | | | | 3.3 | 9 | SW | 26.7 | 34 | 1 | | 72 | 34 | 32 | 71 |
| 30 | 64 | 36 | 50 | | 15 | | | | 4.4 | 12 | E | 26.6 | 84 | 8 | | 80 | 44 | 42 | 66 |
| 31 | | | | | | | | | | | | | | | | | | | |
| M | 1804 | 1119 | — | — | — | 1.59 | 0 | — | 186.2 | — | — | 798.7 | 57 | 120 | — | 1956 | 1295 | 1080 | 1855 |
| G | 60.1 | 37.3 | — | — | — | — | — | — | 6.2 | FASTEST MILE 34 | DIRECTION NW | ~~POSSIBLE~~ 26.6 | 25 | 4.0 | — | 65.2 | 43.2 | 36.0 | 61.8 |
| | | | | | | | | | MISC. → | | | | | | — | — | — | — | — |

## TEMPERATURE DATA

AVERAGE MONTHLY 48.7

DEPARTURE FROM NORMAL —

HIGHEST 76 ON 7,8

LOWEST 29 ON 16

NUMBER OF DAYS WITH -

MAX. 32° OR BELOW 0

MAX. 90° OR ABOVE 0

MIN. 32° OR BELOW 7

MIN. 0° OR BELOW 0

DEGREE DAYS (Base 65°)

TOTAL THIS MONTH 479

DEPARTURE FROM NORMAL —

SEASONAL TOTAL 547

DEPARTURE FROM NORMAL —

## PRECIPITATION DATA

TOTAL FOR THE MONTH 1.59 IN.

DEPARTURE FROM NORMAL — IN.

GREATEST ~~IN 24 HOURS~~ Daily .62 ON 24

SNOWFALL, SLEET

TOTAL FOR THE MONTH 0 IN.

GREATEST ~~IN 24 HOURS~~ Daily — ON —

GREATEST DEPTH ON GROUND — ON —

BAROMETRIC PRESSURE
(Climatological station elevation)

(Hpc) 3310 FT., M.S.L.

MONTHLY AVERAGE STATION 26.625 IN.

HIGHEST ~~SEA LEVEL~~ 26.880 IN. ON 7

LOWEST ~~SEA LEVEL~~ Station 26.195 IN. ON 10

## WEATHER

NUMBER OF DAYS -

CLEAR (Scale 0-3) 16

PARTLY CLOUDY (Scale 4-7) 7

CLOUDY (Scale 8-10) 7

WITH 0.01 INCH OR MORE PRECIP. 8

WITH 0.10 INCH OR MORE PRECIP. 3

WITH 0.50 INCH OR MORE PRECIP. 2

WITH 1.00 INCH OR MORE PRECIP. 0

## SYMBOLS USED IN COLUMN 16

~~F = FOG~~

~~FY = FOG WITH VISIBILITY 1/4 MILE OR LESS~~

~~T = THUNDER~~

~~E = SLEET~~

~~A = HAIL~~

~~ZR = GLAZE OR RIME~~

~~D = DUSTSTORM~~

~~K = SMOKE OR HAZE~~

~~BS = BLOWING SNOW~~

R = RAIN

RW = RAINSHOWER

MF1-10A
1-77.

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

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: 1978 NOV 1

TO CONVERT LST TO GMT ADD 8 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) | LOCAL SPECIFICS INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R | 0048 | 60 SCT | 20 | | | 192 | 50 | 41 | 33 | 06 | | 014 | 705 1400 | SS |
| R | 0147 | 60 SCT | 20 | | | 186 | 50 | 41 | 05 | 04 | | 012 | | SS |
| R | 0250 | 60 SCT | 20 | | | 187 | 50 | 41 | 03 | 04 | | 012 | | SS |
| R | 0352 | 60 SCT | 20 | | | 186 | 50 | 42 | 12 | 04 | | 012 | 605 1400 46 RADAT 00082 | HS |
| R | 0449 | 60 SCT | 20 | | | 190 | 48 | 41 | 09 | 05 | | 013 | | HS |
| R | 0549 | 60 SCT | 20 | | | 194 | 47 | 42 | 06 | 02 | | 013 | | HS |
| R | 0647 | 60 SCT | 20 | | | 197 | 47 | 39 | 08 | 02 | | 014 | 205 1500 | HS |
| R | 0748 | 60 SCT | 20 | | | 195 | 54 | 41 | 09 | 06 | | 014 | | HS |
| R | 0847 | 60 SCT | 20 | | | 199 | 56 | 41 | 21 | 05 | | 015 | | HS |
| R | 0948 | 60 SCT | 20 | | | 198 | 56 | 43 | 15 | 03 | | 015 | 003 1100 46 | HS |
| R | 1051 | 60 SCT | 20 | | | 191 | 58 | 40 | 19 | 07 | | 013 | | HS |
| R | 1148 | 50 SCT | 20 | | | 178 | 60 | 42 | 21 | 08 | | 010 | | HS |
| R | 1250 | 50 SCT | 20 | | | 168 | 63 | 42 | 16 | 07 | | 008 | 622 1200 | HS |
| R | 1348 | 50 SCT | 20 | | | 164 | 63 | 36 | 20 | 15 | | 007 | | HS |
| R | 1445 | 50 SCT | 20 | | | 160 | 63 | 32 | 20 | 18 | G24 | 005 | | HS |
| R | 1549 | 50 SCT | 20 | | | 165 | 62 | 26 | 20 | 13 | G21 | 007 | 503 1200 64 RADAT 26094 | SS |
| R | 1649 | 50 SCT | 20 | | | 173 | 58 | 30 | 22 | 06 | | 008 | | SS |
| R | 1749 | CLR | 20 | | | 178 | 56 | 33 | 15 | 03 | | 009 | | SS |
| R | 1848 | CLR | 20 | | | 183 | 54 | 35 | 22 | 02 | | 011 | 212 1400 | SS |
| R | 1947 | CLR | 20 | | | 184 | 50 | 37 | 36 | 03 | | 011 | | SS |
| R | 2047 | CLR | 20 | | | 190 | 48 | 37 | 09 | 02 | | 013 | | SS |
| R | 2149 | CLR | 20 | | | 192 | 46 | 37 | 32 | 02 | | 013 | 107 64 | SS |
| R | 2247 | CLR | 20 | | | 188 | 45 | 36 | 35 | 04 | | 012 | | SS |
| R | 2347 | CLR | 20 | | | 186 | 44 | 37 | 00 | 00 | | 012 | | SS |

A synoptic observation, in WMO code format FM11D, is entered on line following related aviation observation.

FM11D: IIiii Nddff VVwwW PPPTT $N_hC_LhC_MC_H$ $T_dT_dopp$ $6P_oP_oP_oP_o$ 7RRRrs $8N_sCh$ $h_s$ $9S_pS_psp_sp$ $2R_{24}R_{24}R_{24}R_{24}$ $3P_wP_wH_wH_w$ $d_wd_wP_wH_wH_w$ $4T_xT_xT_nT_n$

☆ U.S.GPO:1977-0-765-005/1111

MF1-10B
(2-77)

U. S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: 1978 NOV 1

To convert LST to GMT ADD 8 hrs.

| TIME (L.S.T.) 16 | STATION PRESSURE (Ins.) 17 | DRY BULB (°F) 18 | WET BULB (°F) 19 | REL. HUMIDITY (%) 20 | TOTAL SKY COVER 21 | LOWEST LAYER AMT. 22 | LOWEST LAYER TYPE 23 | LOWEST LAYER HEIGHT 24 | SECOND LAYER AMT. 25 | SECOND LAYER TYPE 26 | SECOND LAYER HEIGHT 27 | SUMMATION TOTAL 28 | THIRD LAYER AMT. 29 | THIRD LAYER TYPE 30 | THIRD LAYER HEIGHT 31 | SUMMATION TOTAL 32 | FOURTH LAYER AMT. 33 | FOURTH LAYER TYPE 34 | FOURTH LAYER HEIGHT 35 | TOTAL OPAQUE SKY COVER 36 | PRESSURE TENDENCY 37 | NET 3-HR. CHANGE (Ins.) 38 | SUNSHINE (Min.) 39 | PRECIPITATION (Ins.) 40 | HR. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00 48 | 26.715 | 50.3 | 45.3 | 69 | 3 | 3 | Sc | 60 | | | | | | | | | | | | 3 | 7 | .015 | | | 00-01 |
| 01 47 | 26.700 | 49.7 | 45.1 | 72 | 4 | | | | | | | | | | | | | | | 4 | | | | | 01-02 |
| 02 50 | 26.700 | 49.7 | 45.1 | 71 | 3 | | | | | | | | | | | | | | | 3 | | | | | 02-03 |
| 03 52 | 26.700 | 50.4 | 46.0 | 73 | 2 | 2 | Sc | 60 | | | | | | | | | | | | 2 | 6 | .015 | | | 03-04 |
| 04 49 | 26.705 | 48.2 | 44.4 | 76 | 2 | | | | | | | | | | | | | | | 2 | | | | | 04-05 |
| 05 49 | 26.710 | 47.0 | 44.2 | 81 | 3 | | | | | | | | | | | | | | | 3 | | | | | 05-06 |
| 06 47 | 26.715 | 46.6 | 43.0 | 76 | 4 | 4 | Sc | 60 | | | | | | | | | | | | 4 | 2 | .015 | | | 06-07 |
| 07 48 | 26.720 | 53.7 | 47.0 | 62 | 3 | | | | | | | | | | | | | | | 3 | | | | | 07-08 |
| 08 47 | 26.730 | 56.2 | 48.3 | 57 | 3 | | | | | | | | | | | | | | | 3 | | | | | 08-09 |
| 09 48 | 26.725 | 56.1 | 49.2 | 62 | 3 | 3 | Cu | 60 | | | | | | | | | | | | 3 | 0 | .010 | | | 09-10 |
| 10 51 | 26.710 | 57.8 | 48.6 | 52 | 3 | | | | | | | | | | | | | | | 3 | | | | | 10-11 |
| 11 48 | 26.680 | 60.3 | 50.5 | 52 | 3 | | | | | | | | | | | | | | | 3 | | | | | 11-12 |
| 12 50 | 26.660 | 62.5 | 51.1 | 46 | 3 | 3 | Cu | 50 | | | | | | | | | | | | 3 | 6 | .065 | | | 12-13 |
| 13 48 | 26.650 | 63.1 | 49.3 | 37 | 2 | | | | | | | | | | | | | | | 2 | | | | | 13-14 |
| 14 45 | 26.640 | 63.0 | 47.7 | 31 | 1 | | | | | | | | | | | | | | | 1 | | | | | 14-15 |
| 15 49 | 26.650 | 62.0 | 45.5 | 25 | 1 | 1 | Cu | 50 | | | | | | | | | | | | 1 | 5 | .010 | | | 15-16 |
| 16 49 | 26.665 | 58.0 | 45.0 | 35 | 1 | | | | | | | | | | | | | | | 1 | | | | | 16-17 |
| 17 49 | 26.675 | 56.0 | 45.0 | 42 | 0 | | | | | | | | | | | | | | | 0 | | | | | 17-18 |
| 18 48 | 26.685 | 54.2 | 44.8 | 48 | 0 | 0 | Sc | 50 | | | | | | | | | | | | 0 | 2 | .035 | | | 18-19 |
| 19 47 | 26.690 | 49.7 | 43.6 | 62 | 0 | | | | | | | | | | | | | | | 0 | | | | | 19-20 |
| 20 47 | 26.705 | 48.1 | 42.7 | 66 | 0 | | | | | | | | | | | | | | | 0 | | | | | 20-21 |
| 21 49 | 26.705 | 45.8 | 41.6 | 72 | 0 | | | | | | | | | | | | | | | 0 | 1 | .020 | | | 21-22 |
| 22 47 | 26.700 | 44.7 | 40.6 | 72 | 0 | | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 23 47 | 26.695 | 43.7 | 40.4 | 77 | 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 | PRECIP. ORIGIN 49 | STATE OF GRND. 50 | 51 | 52 | 53 | 54 | 55 | SOIL TEMP. 56 | 57 | 58 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MID. TO 0347 | X | 0 | 0 | X | 50 | 46 | X | X | | | | | | X | | |
| | 0347 | 1 | 0 | 0 | 0 | 50 | 46 | | 0 | | | | | | | | |
| | 0943 | 2 | 0 | 0 | 0 | 58 | 46 | | 0 | | | | | | | | |
| | 1545 | 3 | 0 | 0 | 0 | 64 | 55 | | 0 | | | | | | | | |
| | 2145 | 4 | 0 | 0 | 0 | 62 | 45 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 46 | 43 | X | X | | | | | | X | | |

### STATION PRESSURE COMPUTATIONS

| TIME (L.S.T.) 59 | 0351 | 0947 | 1547 | 2147 |
|---|---|---|---|---|
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.700 | 26.725 | 26.650 | 26.705 |
| BAROGRAPH 64 | 26.725 | 26.785 | 26.635 | 26.690 |
| BAR. CORR. 65 | -.025 | +.015 | +.015 | +.015 |

## SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

| 24-HR. MAX. TEMP. (°F) 66 | 24-HR. MIN. TEMP. (°F) 67 | 24-HR. PRECIP. WATER EQUIV. (Ins.) 68 | 24-HR. SNOWFALL 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 | 43 | 0 | 0 | 0 | 24 | SW | *1436 | | | | | 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:

*"LAST OF SEVERAL OCCURRENCES."

* BAROGRAPH CHART CHANGED 2600 GMT.

MF1-10B

☆ U. S. GPO:1977-0-765-005/1131

MF1-10A
1-77

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

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: 1978 NOV 2

TO CONVERT LST TO GMT ADD 8 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) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R | 0048 | CLR | 20 | | | 183 | 43 | 36 | 02 | 02 | | 011 | 705 | LL |
| R | 0146 | CLR | 20 | | | 179 | 43 | 37 | 13 | 02 | | 010 | | LL |
| R | 0250 | CLR | 20 | | | 176 | 42 | 36 | 13 | 02 | | 009 | | LL |
| R | 0345 | CLR | 20 | | | 175 | 42 | 37 | 10 | 04 | | 008 | 608 40 RADAT 82079 | CG |
| R | 0445 | CLR | 20 | | | 178 | 41 | 36 | 36 | 03 | | 008 | | CG |
| R | 0546 | 50 SCT | 20 | | | 184 | 41 | 37 | 10 | 03 | | 010 | | CG |
| R | 0645 | 50 SCT 300 SCT | 20 | | | 185 | 42 | 37 | 04 | 02 | | 010 | 105 1208 | CG |
| R | 0746 | 50 SCT 300 SCT | 20 | | | 189 | 47 | 38 | 17 | 04 | | 011 | | CG |
| R | 0846 | 50 SCT 300 SCT | 20 | | | 193 | 48 | 36 | 23 | 02 | | 012 | | CG |
| R | 0946 | 50 SCT 300 SCT | 20 | | | 184 | 52 | 36 | 22 | 08 | | 010 | 000 1208 39 | CG |
| R | 1045 | 50 SCT 300 SCT | 20 | | | 187 | 53 | 36 | 21 | 10 | | 011 | CB N | CG |
| R | 1145 | 50 SCT | 20 | | | 179 | 55 | 34 | 21 | 10 | | 008 | CB N | CG |
| R | 1248 | 50 SCT | 20 | | | 166 | 59 | 31 | 24 | 14 | | 005 | CB RWU N MOVE S/814 1300 | CG |
| S | 1319 | E50 BKN | 20 | | RW- | | | | 26 | 04 | G34 | 006 | CB OVHD RB11 PK WND | CG |
| / | | | | | | | | | | | | | 3034/13 | / |
| R | 1348 | E50 BKN | 20 | | | 172 | 52 | 38 | 03 | 08 | | 006 | CB SW-W-N RB11E40 | CG |
| / | | | | | | | | | | | | | RWU SW PK WND 3034/13 | / |
| R | 1445 | 50 SCT 300 SCT | 20 | | | 172 | 56 | 36 | 18 | 03 | | 006 | CB NE AND E | CG |
| R | 1550 | E50 BKN 300 BKN | 20 | | | 180 | 56 | 35 | 36 | 09 | | 008 | 31002 1108 60 | [illegible] |
| — | | | | | | | | | | | | | RADAT 74074 | — |
| R | 1650 | E50 BKN 300 OVC | 20 | | | 185 | 53 | 35 | 04 | 04 | | 009 | | [illegible] |
| R | 1749 | E50 BKN 300 OVC | 20 | | | 196 | 50 | 38 | 02 | 14 | | 012 | | [illegible] |
| R | 1846 | E50 BKN 300 BKN | 20 | | | 199 | 49 | 37 | 34 | 04 | | 013 | 214 1408 | [illegible] |
| R | 1946 | 50 SCT | 20 | | | 210 | 47 | 38 | 33 | 07 | | 016 | | [illegible] |
| R | 2050 | 50 SCT | 20 | | | 220 | 45 | 37 | 01 | 05 | | 019 | | [illegible] |
| R | 2148 | 50 SCT | 20 | | | 216 | 44 | 37 | 16 | 02 | | 018 | 017 1400 60 | [illegible] |
| R | 2252 | 50 SCT | 20 | | | 222 | 43 | 37 | 05 | 02 | | 021 | | [illegible] |
| R | 2351 | E50 BKN 300 BKN | 20 | | | 221 | 45 | 39 | 24 | 03 | | 021 | | [illegible] |

A synoptic observation, in WMO code format FM11D, is entered on line following related aviation observation.

FM11D: IIiii Nddff VVwwW PPPTT $N_hC_LhC_MC_H$ $T_dT_dapp$ $6P_oP_oP_oP_o$ 7RRRrs $8N_sCh$ $h_s$ 9SpSpspsp $2R_{24}R_{24}R_{24}R_{24}$ $3P_wP_wH_wH_w$ $d_wd_wP_wH_wH_w$ $4T_xT_xT_nT_n$

☆ U.S. GPO:1977-0-765-005/1111

MF1-10B
(2-77)

U. S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: 1978 NOV 2

To convert LST to GMT ADD 8 hrs.

| TIME (L.S.T.) 16 | STATION PRESSURE (Ins.) 17 | DRY BULB (°F) 18 | WET BULB (°F) 19 | REL. HUMIDITY (%) 20 | TOTAL SKY COVER 21 | LOWEST LAYER AMT. 22 | LOWEST LAYER TYPE 23 | LOWEST LAYER HEIGHT 24 | SECOND LAYER AMT. 25 | SECOND LAYER TYPE 26 | SECOND LAYER HEIGHT 27 | SUMMATION TOTAL 28 | THIRD LAYER AMT. 29 | THIRD LAYER TYPE 30 | THIRD LAYER HEIGHT 31 | SUMMATION TOTAL 32 | FOURTH LAYER AMT. 33 | FOURTH LAYER TYPE 34 | FOURTH LAYER HEIGHT 35 | TOTAL OPAQUE SKY COVER 36 | PRESSURE TENDENCY 37 | NET 3-HR. CHANGE (Ins.) 38 | SUNSHINE (Min.) 39 | PRECIPITATION (Ins.) 40 | HR. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00 48 | 26.690 | 42.7 | 39.7 | 78 | 0 | | | | | | | | | | | | | | | 0 | 7 | .015 | | | 00-01 |
| 01 46 | 26.680 | 42.6 | 40.0 | 81 | 0 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 50 | 26.670 | 41.9 | 39.3 | 81 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 45 | 26.665 | 41.5 | 39.5 | 85 | 0 | | | | | | | | | | | | | | | 0 | 6 | .025 | | | 03-04 |
| 04 45 | 26.670 | 41.4 | 39.0 | 82 | 0 | | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 05 46 | 26.680 | 40.8 | 39.0 | 86 | 5 | | | | | | | | | | | | | | | 5 | | | | | 05-06 |
| 06 45 | 26.680 | 42.0 | 39.5 | 82 | 5 | 1 | Cu | 50 | 4 | Cs | 300 | 5 | | | | | | | | 4 | 1 | .015 | | | 06-07 |
| 07 46 | 26.690 | 46.7 | 42.5 | 72 | 5 | | | | | | | | | | | | | | | 4 | | | | | 07-08 |
| 08 46 | 26.700 | 47.8 | 42.0 | 63 | 5 | | | | | | | | | | | | | | | 4 | | | | | 08-09 |
| 09 46 | 26.680 | 51.9 | 44.0 | 54 | 2 | 1 | Cu | 50 | 1 | Cs | 300 | 2 | | | | | | | | 2 | 0 | .000 | | | 09-10 |
| 10 45 | 26.690 | 53.3 | 44.7 | 51 | 1 | | | | | | | | | | | | | | | 1 | | | | | 10-11 |
| 11 45 | 26.670 | 55.1 | 45.0 | 45 | 2 | | | | | | | | | | | | | | | 2 | | | | | 11-12 |
| 12 48 | 26.640 | 58.7 | 45.6 | 35 | 3 | 3 | Cb | 50 | | | | | | | | | | | | 3 | 8 | .040 | | | 12-13 |
| 13 48 | 26.645 | 51.7 | 45.0 | 60 | 6 | | | | | | | | | | | | | | | 6 | | | | | 13-14 |
| 14 45 | 26.650 | 55.6 | 46.0 | 48 | 4 | | | | | | | | | | | | | | | 3 | | | | | 14-15 |
| 15 50 | 26.670 | 56.2 | 45.8 | 45 | 8 | 6 | Cu | E50 | 2 | Cs | 300 | 8 | | | | | | | | 7 | 3 | .030 | | | 15-16 |
| 16 50 | 26.680 | 53.2 | 44.4 | 50 | 10 | | | | | | | | | | | | | | | 7 | | | | | 16-17 |
| 17 49 | 26.700 | 50.2 | 44.0 | 62 | 10 | | | | | | | | | | | | | | | 8 | | | | | 17-18 |
| 18 46 | 26.710 | 48.9 | 43.0 | 63 | 8 | 6 | Sc | E50 | 2 | Cs | 300 | 8 | | | | | | | | 8 | 2 | .040 | | | 18-19 |
| 19 46 | 26.740 | 46.7 | 42.3 | 71 | 4 | | | | | | | | | | | | | | | 4 | | | | | 19-20 |
| 20 50 | 26.770 | 45.3 | 41.3 | 73 | 4 | | | | | | | | | | | | | | | 4 | | | | | 20-21 |
| 21 48 | 26.760 | 44.0 | 40.7 | 77 | 4 | 4 | Sc | 50 | | | | | | | | | | | | 4 | 0 | .050 | | | 21-22 |
| 22 52 | 26.780 | 43.2 | 40.2 | 79 | 4 | | | | | | | | | | | | | | | 4 | | | | | 22-23 |
| 23 51 | 26.780 | 44.6 | 42.0 | 81 | 8 | | | | | | | | | | | | | | | 8 | | | | | 23-24 |

## SYNOPTIC OBSERVATIONS

| TIME (G.M.T.) 41 | TIME (L.S.T.) 42 | NO. 43 | PRECIP. (Ins.) 44 | SNOW FALL (Ins.) 45 | SNOW DEPTH (Ins.) 46 | MAX. TEMP. (°F) 47 | MIN. TEMP. (°F) 48 | PRECIP. ORIGIN 49 | STATE OF GRND. 50 | 51 | 52 | 53 | 54 | 55 | SOIL TEMP. 56 | 57 | 58 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MID. TO 0342 | X | 0 | 0 | X | 44 | 40 | X | X | | | | | | X | | |
| | 0342 | 1 | 0 | 0 | 0 | 46 | 40 | | 0 | | | | | | | | |
| | 0743 | 2 | 0 | 0 | 0 | 52 | 39 | | 0 | | | | | | | | |
| | 1546 | 3 | .02 | 0 | 0 | 60 | 50 | | 1 | | | | | | | | |
| | 2144 | 4 | 0 | 0 | 0 | 56 | 44 | | 1 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 45 | 43 | X | X | | | | | | X | | |

## STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0343 | 0944 | 1550 | 2148 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.665 | 26.680 | 26.670 | 26.760 |
| BAROGRAPH 64 | 26.655 | 26.680 | 26.655 | 26.745 |
| BAR. CORR. 65 | +.010 | 0 | +.015 | +.015 |

## SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

| 24-HR. MAX. TEMP. (°F) 66 | 24-HR. MIN. TEMP. (°F) 67 | 24-HR. PRECIP. WATER EQUIV. (Ins.) 68 | 24-HR. SNOWFALL UNML TO (Ins.) 69 | SNOW DEPTH (Ins.) 70 | PEAK WIND SPEED (Kts.) 71 | PEAK WIND DIRECTION 72 | PEAK WIND TIME (L.S.T.) 73 | THICKNESS OF ICE ON WATER (Ins.) 74 | FROZEN GROUND LAYER (Ins.) TOP 75 | FROZEN GROUND LAYER (Ins.) BASE 76 | RIVER GAGE 77 | SKY COVER SUNRISE TO SUNSET 78 | SKY COVER MIDNIGHT TO MIDNIGHT 79 | WATER EQUIV. (Ins.) 80 | 81 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | 39 | .02 | 0 | 0 | 34 | NW | 1313 | | | | | H | | | |

## WEATHER & OBSTRUCTIONS TO VISION

| TYPE 82 | BEGAN 83 | ENDED 84 | TYPE 86 | BEGAN 87 | ENDED 88 |
|---|---|---|---|---|---|
| RW- | 1311 | 1340 | | | |

## 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:

MF1-10B

☆ U.S.GPO:1977-0-765-005/1131

MF1-10A
1-77

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

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: 1978 NOV 3

TO CONVERT LST TO GMT ADD 8 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) | INITIALS (14) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R | 0053 | 50 SCT | 20 | | | 219 | 45 | 38 | 02 | 04 | | 021 | 107 1400 | HY |
| R | 0150 | CLR | 20 | | | 215 | 45 | 38 | 01 | 05 | | 018 | | HY |
| R | 0251 | CLR | 20 | | | 210 | 50 | 38 | 03 | 07 | | 018 | | HY |
| R | 0345 | 300 SCT | 20 | | | 220 | 46 | 38 | 30 | 05 | | 021 | 500 1008 43 20002 | CG |
| / | | | | | | | | | | | | | RADAT 87097 | / |
| R | 0447 | 300 SCT | 20 | | | 223 | 49 | 39 | 02 | 06 | | 022 | | CG |
| R | 0545 | CLR | 20 | | | 232 | 51 | 38 | 03 | 05 | | 024 | | CG |
| R | 0651 | CLR | 20 | | | 243 | 53 | 39 | 04 | 08 | | 027 | 220 1500 | CG |
| R | 0746 | CLR | 20 | | | 242 | 57 | 38 | 03 | 10 | | 027 | | CG |
| R | 0846 | CLR | 20 | | | 249 | 58 | 39 | 36 | 12 | | 029 | | CG |
| R | 0946 | CLR | 20 | | | 243 | 63 | 39 | 04 | 10 | | 028 | 003 43 | CG |
| R | 1045 | CLR | 20 | | | 235 | 65 | 38 | 04 | 08 | | 026 | | CG |
| R | 1148 | CLR | 20 | | | 221 | 69 | 38 | 04 | 13 | | 023 | | CG |
| R | 1247 | CLR | 20 | | | 214 | 72 | 38 | 01 | 14 | | 022 | 720 | CG |
| R | 1345 | CLR | 20 | | | 206 | 74 | 37 | 04 | 12 | | 019 | | CG |
| R | 1445 | CLR | 20 | | | 200 | 74 | 37 | 01 | 09 | | 018 | | CG |
| R | 1549 | CLR | 20 | | | 210 | 73 | 35 | 35 | 08 | | 021 | 503 1001 75 RADAT 20140 | HY |
| R | 1650 | CLR | 20 | | | 209 | 69 | 37 | 01 | 10 | | 021 | | HY |
| R | 1748 | CLR | 20 | | | 213 | 66 | 37 | 04 | 09 | | 021 | | HY |
| R | 1849 | CLR | 20 | | | 208 | 63 | 39 | 05 | 06 | | 019 | 803 | HY |
| R | 1949 | CLR | 20 | | | 205 | 63 | 39 | 04 | 06 | | 019 | | HY |
| R | 2047 | CLR | 20 | | | 210 | 60 | 39 | 05 | 08 | | 021 | | HY |
| R | 2148 | CLR | 20 | | | 208 | 62 | 39 | 05 | 11 | | 021 | 103 75 | HY |
| R | 2250 | CLR | 20 | | | 201 | 62 | 37 | 36 | 07 | | 019 | | HY |
| R | 2347 | CLR | 20 | | | 196 | 62 | 37 | 06 | 12 | | 018 | | HY |

A synoptic observation, in WMO code format FM11D, is entered on line following related aviation observation.

FM11D: Iliii Nddff VVwwW PPPTT $N_hC_LhC_MC_H$ $T_dT_dapp$ $6P_oP_oP_oP_o$ 7RRR.s $8N_sCh\ h_s$ $9S_pS_psp_sp$ $2R_{24}R_{24}R_{24}R_{24}$ $3P_wP_wH_wH_w$ $d_wd_wP_wH_wH_w$ $4T_xT_xT_nT_n$

☆ U.S.GPO:1977-0-765-005/1111

MF1-10B
(2-77)

U. S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: 1978 NOV 3

To convert LST to GMT ADD 8 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. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0053 | 26.780 | 45.0 | 41.4 | 75 | 3 | 3 | Sc | 50 | | | | | | | | | | | | 3 | 1 | .020 | | | 00-01 |
| 0150 | 26.760 | 44.5 | 41.3 | 77 | 0 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 0251 | 26.760 | 49.6 | 43.7 | 63 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 0345 | 26.780 | 46.0 | 42.0 | 73 | 3 | 3 | Cs | 300 | | | | | | | | | | | | 2 | 5 | .000 | | | 03-04 |
| 0447 | 26.790 | 49.4 | 44.0 | 66 | 3 | | | | | | | | | | | | | | | 2 | | | | | 04-05 |
| 0545 | 26.810 | 50.5 | 44.2 | 62 | 0 | | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 0651 | 26.840 | 53.3 | 46.0 | 58 | 0 | 0 | Sc | 50 | | | | | | | | | | | | 0 | 2 | .060 | | | 06-07 |
| 0746 | 26.840 | 56.9 | 47.1 | 49 | 0 | | | | | | | | | | | | | | | 0 | | | | | 07-08 |
| 0846 | 26.860 | 57.6 | 48.0 | 50 | 0 | | | | | | | | | | | | | | | 0 | | | | | 08-09 |
| 0946 | 26.850 | 62.8 | 50.0 | 41 | 0 | | | | | | | | | | | | | | | 0 | 0 | .010 | | | 09-10 |
| 1045 | 26.830 | 64.8 | 50.5 | 37 | 0 | | | | | | | | | | | | | | | 0 | | | | | 10-11 |
| 1148 | 26.800 | 68.8 | 52.7 | 32 | 0 | | | | | | | | | | | | | | | 0 | | | | | 11-12 |
| 1247 | 26.790 | 72.4 | 53.7 | 28 | 0 | | | | | | | | | | | | | | | 0 | 7 | .060 | | | 12-13 |
| 1345 | 26.770 | 74.3 | 54.1 | 26 | 0 | | | | | | | | | | | | | | | 0 | | | | | 13-14 |
| 1445 | 26.760 | 74.0 | 54.0 | 26 | 0 | | | | | | | | | | | | | | | 0 | | | | | 14-15 |
| 1549 | 26.780 | 73.2 | 53.2 | 25 | 0 | 0 | Ci | 300 | | | | | | | | | | | | 0 | 5 | .010 | | | 15-16 |
| 1650 | 26.780 | 69.4 | 52.0 | 30 | 0 | | | | | | | | | | | | | | | 0 | | | | | 16-17 |
| 1748 | 26.780 | 65.9 | 50.7 | 34 | 0 | | | | | | | | | | | | | | | 0 | | | | | 17-18 |
| 1849 | 26.770 | 62.8 | 50.2 | 42 | 0 | | | | | | | | | | | | | | | 0 | 8 | .010 | | | 18-19 |
| 1949 | 26.770 | 63.2 | 50.2 | 40 | 0 | | | | | | | | | | | | | | | 0 | | | | | 19-20 |
| 2047 | 26.780 | 60.1 | 49.2 | 46 | 0 | | | | | | | | | | | | | | | 0 | | | | | 20-21 |
| 2148 | 26.780 | 61.6 | 49.6 | 43 | 0 | | | | | | | | | | | | | | | 0 | 1 | .010 | | | 21-22 |
| 2250 | 26.770 | 62.2 | 49.3 | 40 | 0 | | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 2347 | 26.760 | 62.4 | 49.4 | 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 | PRECIP. ORIGIN 49 | STATE OF GRND. 50 | 51 | 52 | 53 | 54 | 55 | SOIL TEMP. 56 | 57 | 58 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MID. TO 0342 | X | 0 | 0 | X | 50 | 43 | X | X | | | | | | X | | |
| | 0342 | 1 | 0 | 0 | 0 | 50 | 43 | | 0 | | | | | | | | |
| | 0943 | 2 | 0 | 0 | 0 | 63 | 43 | | 0 | | | | | | | | |
| | 1544 | 3 | 0 | 0 | 0 | 75 | 63 | | 0 | | | | | | | | |
| | 2144 | 4 | 0 | 0 | 0 | 73 | 60 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 63 | 59 | X | X | | | | | | X | | |

## STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0343 | 0944 | 1549 | 2148 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.780 | 26.850 | 26.780 | 26.780 |
| BAROGRAPH 64 | 26.760 | 26.850 | 26.760 | 26.760 |
| BAR. CORR. 65 | +.020 | 0 | +.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 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 | 43 | 0 | 0 | 0 | 21 | N | 1250 | | | | | 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:

MF1-10B

☆ U.S.GPO:1977-0-765-005/1131

MF1-10A
(1-77)

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

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: 1978 NOV 4

TO CONVERT LST TO GMT ADD 8 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 (30-36) (9) | WIND SPEED (Kts.) (10) | WIND CHARACTER (11) | ALTIMETER SETTING (Ins.) (12) | REMARKS AND SUPPLEMENTAL CODED DATA (13) | OBSERVER'S INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R | 0046 | CLR | 20 | | | 190 | 61 | 38 | 36 | 10 | | 017 | 710 | [illegible] |
| R | 0150 | CLR | 20 | | | 185 | 54 | 38 | 09 | 03 | | 015 | | [illegible] |
| R | 0251 | CLR | 20 | | | 176 | 59 | 37 | 06 | 08 | | 013 | | [illegible] |
| R | 0345 | CLR | 20 | | | 177 | 56 | 37 | 07 | 08 | | 013 | 614 53 RADAT 23141 | CG |
| R | 0447 | CLR | 20 | | | 181 | 53 | 38 | 36 | 04 | | 013 | | CG |
| R | 0545 | 300-SCT | 20 | | | 188 | 50 | 38 | 35 | 02 | | 014 | | CG |
| R | 0645 | 300-SCT | 20 | | | 193 | 48 | 40 | 23 | 02 | | 015 | 305 1008 | CG |
| R | 0745 | 300-SCT | 20 | | | 189 | 54 | 39 | 00 | 00 | | 015 | | CG |
| R | 0845 | 300-SCT | 20 | | | 191 | 61 | 37 | 28 | 02 | | 015 | | CG |
| R | 0945 | 300-SCT | 20 | | | 178 | 66 | 38 | 19 | 04 | | 013 | 805 1008 47 | CG |
| R | 1045 | 300-SCT | 20 | | | 169 | 70 | 34 | 24 | 02 | | 011 | | CG |
| R | 1145 | 300-SCT | 20 | | | 157 | 71 | 38 | 21 | 06 | | 007 | | CG |
| R | 1248 | 300 SCT | 20 | | | 141 | 73 | 34 | 19 | 09 | | 003 | 730 1008 | CG |
| R | 1345 | 300 SCT | 20 | | | 137 | 73 | 33 | 24 | 09 | | 001 | | CG |
| R | 1445 | 180SCT 300-BKN | 20 | | | 126 | 74 | 32 | 24 | 10 | | 998 | | CG |
| R | 1548 | E300 OVC | 20 | | | 127 | 72 | 30 | 21 | 06 | | 998 | 614 1007 74 RADAT 31132 | [illegible] |
| R | 1651 | E300 BKN | 20 | | | 128 | 68 | 33 | 29 | 02 | | 997 | | [illegible] |
| R | 1749 | 300-BKN | 20 | | | 130 | 61 | 35 | 04 | 05 | | 996 | | [illegible] |
| R | 1848 | 300-BKN | 20 | | | 132 | 58 | 33 | 03 | 02 | | 996 | 607 1008 | [illegible] |
| R | 1945 | 300-SCT | 20 | | | 130 | 56 | 33 | 06 | 02 | | 996 | | [illegible] |
| R | 2048 | 300 SCT | 20 | | | 132 | 54 | 33 | 36 | 04 | | 997 | | [illegible] |
| R | 2150 | E300 OVC | 20 | | | 125 | 55 | 34 | 09 | 02 | | 996 | 000 1007 74 | [illegible] |
| R | 2250 | 140 SCT E300 OVC | 20 | | | 122 | 55 | 32 | 09 | 02 | | 996 | | [illegible] |
| R | 2350 | 140 SCT E300 OVC | 20 | | | 118 | 54 | 36 | 03 | 02 | | 995 | | [illegible] |

A synoptic observation, in WMO code format FM11D, is entered on line following related aviation observation.

FM11D: IIiii Nddff VVwwW PPPTT $N_hC_LhC_MC_H$ $T_dT_dapp$ $6P_oP_oP_oP_o$ 7RRR.s $8N_sCh$ $h_s$ 9SpSpspsp $2R_{24}R_{24}R_{24}R_{24}$ $3P_wP_wH_wH_w$ $d_wd_wP_wH_wH_w$ $4T_xT_xT_nT_n$

☆ U.S.GPO:1977-0-765-005/1111

MF1-10B
(2-77)

U. S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: 1978 NOV 4

To convert LST to GMT ADD 8 hrs.

| TIME (L.S.T.) 16 | STATION PRESSURE (Ins.) 17 | DRY BULB (°F) 18 | WET BULB (°F) 19 | REL. HUMIDITY (%) 20 | TOTAL SKY COVER 21 | LOWEST LAYER AMT. 22 | LOWEST LAYER TYPE 23 | LOWEST LAYER HEIGHT 24 | SECOND LAYER AMT. 25 | SECOND LAYER TYPE 26 | SECOND LAYER HEIGHT 27 | SUMMATION TOTAL 28 | THIRD LAYER AMT. 29 | THIRD LAYER TYPE 30 | THIRD LAYER HEIGHT 31 | SUMMATION TOTAL 32 | FOURTH LAYER AMT. 33 | FOURTH LAYER TYPE 34 | FOURTH LAYER HEIGHT 35 | TOTAL OPAQUE SKY COVER 36 | PRESSURE TENDENCY 37 | NET 3-HR. CHANGE (Ins.) 38 | SUNSHINE (Min.) 39 | PRECIPITATION (Ins.) 40 | HR. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00 46 | 26.750 | 61.3 | 49.0 | 41 | 0 | | | | | | | | | | | | | | | 0 | 7 | -.030 | | | 00-01 |
| 01 50 | 26.730 | 53.8 | 45.8 | 55 | 0 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 51 | 26.710 | 59.0 | 47.8 | 44 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 45 | 26.710 | 55.5 | 46.0 | 49 | 0 | | | | | | | | | | | | | | | 0 | 6 | .040 | | | 03-04 |
| 04 47 | 26.710 | 53.2 | 45.7 | 57 | 0 | | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 05 45 | 26.720 | 50.0 | 44.0 | 63 | 1 | | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 06 45 | 26.725 | 48.4 | 44.0 | 72 | 2 | 2 | Cs | 300 | | | | | | | | | | | | 0 | 3 | .015 | | | 06-07 |
| 07 45 | 26.725 | 54.2 | 46.4 | 56 | 1 | | | | | | | | | | | | | | | 0 | | | | | 07-08 |
| 08 45 | 26.730 | 60.8 | 48.6 | 41 | 1 | | | | | | | | | | | | | | | 0 | | | | | 08-09 |
| 09 45 | 26.710 | 65.9 | 51.1 | 36 | 1 | 1 | Cs | 300 | | | | | | | | | | | | 0 | 8 | .015 | | | 09-10 |
| 10 45 | 26.690 | 69.7 | 51.4 | 27 | 2 | | | | | | | | | | | | | | | 0 | | | | | 10-11 |
| 11 45 | 26.660 | 71.0 | 53.2 | 30 | 2 | | | | | | | | | | | | | | | 0 | | | | | 11-12 |
| 12 48 | 26.620 | 72.6 | 52.5 | 24 | 1 | 1 | Cs | 300 | | | | | | | | | | | | 1 | 7 | .080 | | | 12-13 |
| 13 45 | 26.600 | 72.9 | 52.3 | 23 | 4 | | | | | | | | | | | | | | | 3 | | | | | 13-14 |
| 14 45 | 26.580 | 73.9 | 52.4 | 21 | 8 | | | | | | | | | | | | | | | 4 | | | | | 14-15 |
| 15 48 | 26.580 | 71.7 | 51.0 | 22 | 10 | 10 | Cs | E300 | | | | | | | | | | | | 7 | 6 | .040 | | | 15-16 |
| 16 51 | 26.570 | 67.8 | 50.2 | 28 | 9 | | | | | | | | | | | | | | | 7 | | | | | 16-17 |
| 17 49 | 26.560 | 61.3 | 48.0 | 37 | 8 | | | | | | | | | | | | | | | 3 | | | | | 17-18 |
| 18 48 | 26.560 | 58.3 | 46.1 | 39 | 7 | 7 | Cs | 300 | | | | | | | | | | | | 3 | 6 | -.020 | | | 18-19 |
| 19 45 | 26.560 | 56.3 | 45.0 | 41 | 4 | | | | | | | | | | | | | | | 2 | | | | | 19-20 |
| 20 48 | 26.570 | 54.2 | 44.2 | 45 | 4 | | | | | | | | | | | | | | | 3 | | | | | 20-21 |
| 21 50 | 26.560 | 53.3 | 45.0 | 45 | 10 | 10 | Cs | E300 | | | | | | | | | | | | 8 | 0 | .000 | | | 21-22 |
| 22 50 | 26.560 | 53.2 | 44.2 | 41 | 10 | | | | | | | | | | | | | | | 10 | | | | | 22-23 |
| 23 50 | 26.550 | 54.2 | 45.0 | 49 | 10 | | | | | | | | | | | | | | | 10 | | | | | 23-24 |

## SYNOPTIC OBSERVATIONS

| TIME (G.M.T.) 41 | TIME (L.S.T.) 42 | NO. 43 | PRECIP. (Ins.) 44 | SNOW FALL (Ins.) 45 | SNOW DEPTH (Ins.) 46 | MAX. TEMP. (°F) 47 | MIN. TEMP. (°F) 48 | PRECIP. ORIGIN 49 | STATE OF GRND. 50 | 51 | 52 | 53 | 54 | 55 | SOIL TEMP. 56 | 57 | 58 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MID. TO 0343 | X | 0 | 0 | X | 63 | 53 | X | X | | | | | | X | | |
| | 0343 | 1 | 0 | 0 | 0 | 63 | 53 | | 0 | | | | | | | | |
| | 0942 | 2 | 0 | 0 | 0 | 66 | 47 | | 0 | | | | | | | | |
| | 1514 | 3 | 0 | 0 | 0 | 74 | 66 | | 0 | | | | | | | | |
| | 2145 | 4 | 0 | 0 | 0 | 72 | 53 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 55 | 54 | X | X | | | | | | X | | |

### STATION PRESSURE COMPUTATIONS

| TIME (L.S.T.) 59 | 0344 | 0943 | 1548 | 2150 |
|---|---|---|---|---|
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.710 | 26.710 | 26.580 | 26.560 |
| BAROGRAPH 64 | 26.710 | 26.710 | 26.570 | 26.550 |
| BAR. CORR. 65 | 0 | 0 | +.010 | 0 |

## SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

| 24-HR. MAX. TEMP. (°F) 66 | 24-HR. MIN. TEMP. (°F) 67 | 24-HR. PRECIP. WATER EQUIV. (Ins.) 68 | 24-HR. SNOWFALL UNMLTD (Ins.) 69 | SNOW DEPTH (Ins.) 70 | PEAK WIND SPEED (Kts.) 71 | PEAK WIND DIRECTION 72 | PEAK WIND TIME (L.S.T.) 73 | THICKNESS OF ICE ON WATER (Ins.) 74 | FROZEN GROUND LAYER (Ins.) TOP 75 | FROZEN GROUND LAYER (Ins.) BASE 76 | RIVER GAGE 77 | SKY COVER SUNRISE TO SUNSET 78 | SKY COVER MIDNIGHT TO MIDNIGHT 79 | WATER EQUIV. (Ins.) 80 | 81 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 74 | 47 | 0 | 0 | 0 | 15 | N | 0305 | | | | | 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:

MF1-10B

☆ U.S.GPO:1977-0-765-005/1131

MF1-10A
1-77

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

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: 1978 NOV 5

TO CONVERT LST TO GMT ADD 8 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) | SUPERVISOR'S INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R | 0048 | 140 SCT E300 OVC | 20 | | | 116 | 54 | 36 | 20 | 03 | | 995 | 603 1077 | JK |
| R | 0147 | 140 SCT E300 OVC | 20 | | | 116 | 55 | 36 | 06 | 04 | | 995 | | JK |
| R | 0252 | 140 SCT E300 OVC | 20 | | | 112 | 57 | 35 | 10 | 05 | | 994 | | JK |
| R | 0348 | 140 SCT E300 OVC | 20 | | | 114 | 56 | 36 | 00 | 00 | | 994 | 400 1077 53 RADAT 35125 | JK |
| R | 0450 | 140 SCT E300 OVC | 20 | | | 119 | 56 | 36 | 01 | 06 | | 995 | | JK |
| R | 0550 | 140 SCT E250 OVC | 20 | | | 121 | 60 | 33 | 01 | 06 | | 995 | | JK |
| R | 0648 | 140 SCT E250 OVC | 20 | | | 126 | 60 | 34 | 01 | 12 | | 996 | 307 1077 | JK |
| R | 0750 | E250 OVC | 20 | | | 129 | 63 | 33 | 01 | 14 | | 997 | AC S | JK |
| R | 0849 | E250 OVC | 20 | | | 137 | 64 | 31 | 02 | 14 | | 999 | AC NE And SE | JK |
| R | 0950 | E250 BKN | 20 | | | 141 | 66 | 28 | 02 | 19 | | 001 | 214 1008 53 | JK |
| R | 1049 | 250 - BKN | 20 | | | 132 | 70 | 28 | 01 | 06 | | 999 | CLRG N | JK |
| R | 1148 | 250 - BKN | 20 | | | 123 | 73 | 28 | 31 | 07 | | 997 | | JK |
| R | 1251 | 250 - BKN | 20 | | | 115 | 73 | 26 | 35 | 08 | | 995 | 719 1008 | JK |
| R | 1348 | 250 - BKN | 20 | | | 118 | 74 | 27 | 33 | 09 | | 996 | | JK |
| R | 1450 | 250 - SCT | 20 | | | 121 | 74 | 22 | 34 | 06 | | 997 | | JK |
| R | 1548 | 250 - SCT | 20 | | | 127 | 73 | 21 | 05 | 03 | | 999 | 312 1008 75 RADAT 20136 | DS |
| R | 1647 | 250 - SCT | 20 | | | 136 | 67 | 27 | 36 | 07 | | 999 | | DS |
| R | 1749 | CLR | 20 | | | 144 | 62 | 23 | 03 | 09 | | 002 | CS S | DS |
| R | 1846 | CLR | 20 | | | 145 | 63 | 26 | 02 | 10 | | 003 | 212 1008 | DS |
| R | 1948 | CLR | 20 | | | 150 | 61 | 29 | 02 | 12 | | 004 | | DS |
| R | 2047 | CLR | 20 | | | 157 | 61 | 25 | 03 | 11 | | 007 | | DS |
| R | 2148 | CLR | 20 | | | 168 | 57 | 26 | 04 | 05 | | 009 | 320 75 | DS |
| R | 2249 | CLR | 20 | | | 170 | 57 | 26 | 36 | 07 | | 011 | | DS |
| R | 2349 | CLR | 20 | | | 175 | 58 | 27 | 03 | 08 | | 013 | | DS |

A synoptic observation, in WMO code format FM11D, is entered on line following related aviation observation.

FM11D: Iiiii Nddff VVwwW PPPTT $N_hC_LhC_MC_H$ $T_dT_dapp$ $6P_oP_oP_oP_o$ 7RRR.s $8N_sCh\ h_s$ 9SpSpspsp $2R_{24}R_{24}R_{24}R_{24}$ $3P_wP_wH_wH_w$ $d_wd_wP_wH_wH_w$ $4T_xT_xT_nT_n$

☆ U.S. GPO:1977-0-765-005/1111

MF1-10B
(2-77)

U. S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: 1978 NOV 5

To convert LST to GMT ADD 7 hrs.

| TIME (L.S.T.) 16 | STATION PRESSURE (Ins.) 17 | DRY BULB (°F) 18 | WET BULB (°F) 19 | REL. HUMIDITY (%) 20 | TOTAL SKY COVER 21 | LOWEST LAYER AMT. 22 | LOWEST LAYER TYPE 23 | LOWEST LAYER HEIGHT 24 | SECOND LAYER AMT. 25 | SECOND LAYER TYPE 26 | SECOND LAYER HEIGHT 27 | SUMMATION TOTAL 28 | THIRD LAYER AMT. 29 | THIRD LAYER TYPE 30 | THIRD LAYER HEIGHT 31 | SUMMATION TOTAL 32 | FOURTH LAYER AMT. 33 | FOURTH LAYER TYPE 34 | FOURTH LAYER HEIGHT 35 | TOTAL OPAQUE SKY COVER 36 | PRESSURE TENDENCY 37 | NET 3-HR. CHANGE (Ins.) 38 | SUNSHINE (Min.) 39 | PRECIPITATION (Ins.) 40 | HR. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00 48 | 26.550 | 53.9 | 45.1 | 51 | 10 | 3 | AC | 140 | 10 | CS | E300 | 10 | | | | | | | | 10 | 6 | .010 | | | 00-01 |
| 01 47 | 26.530 | 55.0 | 45.5 | 48 | 10 | | | | | | | | | | | | | | | 10 | | | | | 01-02 |
| 02 52 | 26.540 | 57.2 | 46.0 | 42 | 10 | | | | | | | | | | | | | | | 10 | | | | | 02-03 |
| 03 48 | 26.540 | 56.0 | 46.0 | 47 | 10 | 3 | AC | 140 | 10 | CS | E300 | 10 | | | | | | | | 9 | 6 | .010 | | | 03-04 |
| 04 50 | 26.550 | 56.0 | 46.0 | 47 | 10 | | | | | | | | | | | | | | | 9 | | | | | 04-05 |
| 05 50 | 26.550 | 60.1 | 46.9 | 36 | 10 | | | | | | | | | | | | | | | 9 | | | | | 05-06 |
| 06 48 | 26.560 | 59.8 | 46.8 | 38 | 10 | 2 | AC | 140 | 10 | CS | E250 | 10 | | | | | | | | 9 | 3 | .020 | | | 06-07 |
| 07 50 | 26.570 | 63.0 | 48.0 | 32 | 10 | | | | | | | | | | | | | | | 8 | | | | | 07-08 |
| 08 49 | 26.590 | 64.1 | 47.9 | 29 | 10 | | | | | | | | | | | | | | | 7 | | | | | 08-09 |
| 09 50 | 26.600 | 66.0 | 48.0 | 24 | 9 | 9 | CS | E250 | | | | | | | | | | | | 6 | 2 | .040 | | | 09-10 |
| 10 49 | 26.585 | 70.3 | 49.8 | 21 | 8 | | | | | | | | | | | | | | | 3 | | | | | 10-11 |
| 11 48 | 26.565 | 73.2 | 51.0 | 19 | 8 | | | | | | | | | | | | | | | 3 | | | | | 11-12 |
| 12 51 | 26.545 | 73.2 | 50.4 | 17 | 8 | 8 | CS | 250 | | | | | | | | | | | | 3 | 7 | .055 | | | 12-13 |
| 13 48 | 26.555 | 74.0 | 51.0 | 17 | 7 | | | | | | | | | | | | | | | 3 | | | | | 13-14 |
| 14 50 | 26.565 | 74.2 | 50.0 | 14 | 4 | | | | | | | | | | | | | | | 1 | | | | | 14-15 |
| 15 48 | 26.580 | 73.0 | 49.2 | 14 | 2 | 2 | CS | 250 | | | | | | | | | | | | 1 | 3 | 035 | | | 15-16 |
| 16 47 | 26.590 | 67.0 | 48.0 | 22 | 1 | | | | | | | | | | | | | | | 0 | | | | | 16-17 |
| 17 49 | 26.610 | 61.9 | 47.6 | 22 | 0 | | | | | | | | | | | | | | | 0 | | | | | 17-18 |
| 18 46 | 26.615 | 63.0 | 45.9 | 24 | 0 | 0 | CS | 250 | | | | | | | | | | | | 0 | 2 | 035 | | | 18-19 |
| 19 48 | 26.630 | 61.0 | 45.8 | 29 | 0 | | | | | | | | | | | | | | | 0 | | | | | 19-20 |
| 20 47 | 26.650 | 61.4 | 45.0 | 25 | 0 | | | | | | | | | | | | | | | 0 | | | | | 20-21 |
| 21 48 | 26.675 | 56.9 | 43.2 | 30 | 0 | | | | | | | | | | | | | | | 0 | 3 | 060 | | | 21-22 |
| 22 49 | 26.685 | 57.0 | 43.3 | 30 | 0 | | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 23 49 | 26.705 | 58.3 | 44.0 | 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 | PRECIP. ORIGIN 49 | STATE OF GRND. 50 | 51 | 52 | 53 | 54 | 55 | SOIL TEMP. 56 | 57 | 58 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MID. TO 0346 | | 0 | 0 | | 57. | 53. | | | | | | | | | | |
| | 0346 | 1 | 0 | 0 | 0 | 57. | 53. | | 0 | | | | | | | | |
| | 0947 | 2 | 0 | 0 | 0 | 66. | 55. | | 0 | | | | | | | | |
| | 1546 | 3 | 0 | 0 | 0 | 75 | 66 | | 0 | | | | | | | | |
| | 2146 | 4 | 0 | 0 | 0 | 73 | 56 | | 0 | | | | | | | | |
| | MID. | | 0 | 0 | 0 | 59 | 55 | | | | | | | | | | |

## STATION PRESSURE COMPUTATIONS

| TIME (L.S.T.) 59 | 0347 | 0948 | 1547 | 2147 |
|---|---|---|---|---|
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.540 | 26.600 | 26.580 | 26.675 |
| BAROGRAPH 64 | 26.535 | 26.600 | 26.560 | 26.655 |
| BAR. CORR. 65 | +.005 | * 0 | +.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 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 | 53 | 0 | 0 | 0 | 19 | NE | 2015 | | | | | 7 | | | |

## WEATHER & OBSTRUCTIONS TO VISION

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

## 90. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE SUNSET

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

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

TIME CHECK:

* BAROGRAPH RESET TO ZERO. CHART CHANGED.

L LAST OF SEVERAL OCCURRENCES.

MF1-10B

☆ U.S.GPO:1977-0-765-005/1131

MF1-10A
1-77

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

STATION: WSMO, DESERT ROCK, NV

DATE: 1978 NOV 6

TO CONVERT LST TO GMT ADD 8 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) | MAINTENANCE INDICATOR (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R | 0050 | CLR | 20 | | | 180 | 51 | 29 | 06 | 02 | | 013 | 112 | US |
| R | 0149 | CLR | 20 | | | 182 | 53 | 31 | 36 | 08 | | 014 | | US |
| R | 0247 | CLR | 20 | | | 186 | 54 | 28 | 08 | 08 | | 015 | | US |
| R | 0350 | CLR | 20 | | | 186 | 55 | 29 | 01 | 12 | | 015 | 107 51 RADAT 29133 | JK |
| R | 0450 | CLR | 20 | | | 197 | 54 | 27 | 02 | 12 | | 017 | | JK |
| R | 0551 | CLR | 20 | | | 203 | 55 | 28 | 03 | 12 | | 018 | | JK |
| R | 0648 | CLR | 20 | | | 210 | 54 | 27 | 03 | 12 | | 021 | 217 1001 | JK |
| R | 0747 | 250-SCT | 20 | | | 217 | 58 | 27 | 03 | 11 | | 023 | | JK |
| R | 0847 | 250-SCT | 20 | | | 216 | 62 | 27 | 02 | 12 | | 023 | | JK |
| R | 0949 | 250-BKN | 20 | | | 221 | 64 | 27 | 36 | 12 | | 024 | 210 1001 51 | JK |
| R | 1045 | 250-OVC | 20 | | | 221 | 66 | 27 | 36 | 12 | | 025 | | JK |
| R | 1145 | 250-BKN | 20 | | | 209 | 69 | 24 | 36 | 08 | | 022 | | JK |
| R | 1249 | 250-OVC | 20 | | | 208 | 71 | 19 | 36 | 09 | | 021 | 810 1007 | JK |
| R | 1345 | 250-OVC | 20 | | | 201 | 73 | 20 | 04 | 08 | | 019 | | JK |
| R | 1450 | 250-BKN | 20 | | | 193 | 74 | 18 | 36 | 04 | | 017 | | JK |
| R | 1551 | 300-BKN | 20 | | | 198 | 73 | 20 | 03 | 06 | | 018 | 507 1001 74 RADAT 33136 | US |
| R | 1647 | 300-BKN | 20 | | | 200 | 70 | 23 | 07 | 06 | | 018 | | US |
| R | 1747 | 300-SCT | 20 | | | 210 | 63 | 23 | 04 | 06 | | 021 | | US |
| R | 1846 | 300-SCT | 20 | | | 216 | 63 | 26 | 01 | 10 | | 023 | 312 1001 | US |
| R | 1949 | 300-SCT | 20 | | | 221 | 61 | 28 | 01 | 07 | | 024 | | US |
| R | 2046 | 300-SCT | 20 | | | 219 | 62 | 28 | 01 | 10 | | 024 | | US |
| R | 2145 | 300-SCT | 20 | | | 226 | 60 | 27 | 03 | 11 | | 026 | 212 1001 74 | US |
| R | 2247 | 300-SCT | 20 | | | 225 | 60 | 30 | 01 | 11 | | 026 | | US |
| R | 2347 | 300-SCT | 20 | | | 223 | 60 | 28 | 03 | 12 | | 026 | | US |

A synoptic observation, in WMO code format FM11D, is entered on line following related aviation observation.

FM11D: IIiii Nddff VVwwW PPPTT $N_hC_LhC_MC_H$ $T_dT_{dapp}$ $6P_oP_oP_oP_o$ $7RRR_ts$ $8N_sCh\ h_s$ $9S_pS_psp_sp$ $2R_{24}R_{24}R_{24}R_{24}$ $3P_wP_wH_wH_w$ $d_wd_wP_wH_wH_w$ $4T_xT_xT_nT_n$

☆ U.S.GPO:1977-0-765-005/1111

MF1-10B
(2-77)

U. S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: WBAO DESERT ROCK, NV

DATE: 1978 NOV 6

To convert LST to GMT ADD 8 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 | 26.710 | 51.0 | 41.3 | 43 | 0 | | | | | | | | | | | | | | | 0 | 1 | .035 | | | 00-01 |
| 01 49 | 26.720 | 53.3 | 43.0 | 42 | 0 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 49 | 26.730 | 54.0 | 42.3 | 36 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 50 | 26.730 | 55.0 | 43.0 | 37 | 0 | | | | | | | | | | | | | | | 0 | 1 | .020 | | | 03-04 |
| 04 50 | 26.750 | 54.2 | 42.1 | 35 | 0 | | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 05 51 | 26.760 | 55.3 | 42.9 | 35 | 0 | | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 06 48 | 26.780 | 54.0 | 42.0 | 35 | 0 | 0 | Cl | 250 | | | | | | | | | | | | 0 | 2 | .050 | | | 06-07 |
| 07 47 | 26.800 | 58.0 | 44.0 | 30 | 1 | | | | | | | | | | | | | | | 0 | | | | | 07-08 |
| 08 47 | 26.800 | 62.1 | 45.8 | 26 | 2 | | | | | | | | | | | | | | | 0 | | | | | 08-09 |
| 09 49 | 26.810 | 63.9 | 46.8 | 25 | 6 | 6 | Cl | 250 | | | | | | | | | | | | 2 | 2 | .030 | | | 09-10 |
| 10 45 | 26.815 | 65.9 | 47.7 | 23 | 10 | | | | | | | | | | | | | | | 2 | | | | | 10-11 |
| 11 45 | 26.790 | 69.2 | 48.2 | 18 | 8 | | | | | | | | | | | | | | | 2 | | | | | 11-12 |
| 12 49 | 26.780 | 71.2 | 48.1 | 14 | 10 | 10 | CS | 250 | | | | | | | | | | | | 2 | 8 | .030 | | | 12-13 |
| 13 45 | 26.765 | 72.9 | 49.0 | 13 | 10 | | | | | | | | | | | | | | | 2 | | | | | 13-14 |
| 14 50 | 26.750 | 74.1 | 49.2 | 12 | 9 | | | | | | | | | | | | | | | 2 | | | | | 14-15 |
| 15 51 | 26.760 | 73.1 | 49.0 | 13 | 7 | 7 | Cl | 300 | | | | | | | | | | | | 2 | 5 | .020 | | | 15-16 |
| 16 47 | 26.760 | 69.6 | 48.2 | 17 | 8 | | | | | | | | | | | | | | | 2 | | | | | 16-17 |
| 17 47 | 26.780 | 63.4 | 45.2 | 20 | 5 | | | | | | | | | | | | | | | 1 | | | | | 17-18 |
| 18 46 | 26.795 | 63.4 | 46.1 | 24 | 4 | 4 | Cl | 300 | | | | | | | | | | | | 1 | 3 | .035 | | | 18-19 |
| 19 49 | 26.810 | 61.0 | 45.7 | 28 | 3 | | | | | | | | | | | | | | | 1 | | | | | 19-20 |
| 20 46 | 26.810 | 62.0 | 46.0 | 27 | 2 | | | | | | | | | | | | | | | 0 | | | | | 20-21 |
| 21 45 | 26.830 | 60.0 | 44.9 | 28 | 2 | 2 | Cl | 300 | | | | | | | | | | | | 0 | 2 | .035 | | | 21-22 |
| 22 47 | 26.830 | 60.0 | 45.7 | 32 | 1 | | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 23 47 | 26.830 | 59.7 | 45.0 | 30 | 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 | PRECIP. ORIGIN 49 | STATE OF GRND. 50 | 51 | 52 | 53 | 54 | 55 | SOIL TEMP. 56 | 57 | 58 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MID. TO 0347 | | 0 | 0 | | 59 | 51 | | | | | | | | | | |
| | 0347 | 1 | 0 | 0 | 0 | 59 | 51 | | 0 | | | | | | | | |
| | 0946 | 2 | 0 | 0 | 0 | 64 | 54 | | 0 | | | | | | | | |
| | 1548 | 3 | 0 | 0 | 0 | 74 | 63 | | 0 | | | | | | | | |
| | 2148 | 4 | 0 | 0 | 0 | 73 | 59 | | 0 | | | | | | | | |
| | MID. | | 0 | 0 | 0 | 61 | 59 | | | | | | | | | | |

## STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0348 | 0947 | 1549 | 2148 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.730 | 26.810 | 26.760 | 26.830 |
| BAROGRAPH 64 | 26.710 | 26.800 | 26.745 | 26.820 |
| 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 74 | 51 | 0 | 0 | 0 | 14 | N | 1418 | | | | | 6 | | | |

## WEATHER & OBSTRUCTIONS TO VISION

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

## 90. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE SUNSET

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

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

TIME CHECK:

MF1-10B

☆ U.S.GPO:1977-0-765-005/1131

MF1-10A
1-77)

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

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: 1978 NOV 7

TO CONVERT LST TO GMT ADD 8 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 (10-36) (9) | WIND SPEED (Kts.) (10) | WIND CHARACTER (11) | ALTIMETER SETTING (Ins.) (12) | REMARKS AND SUPPLEMENTAL CODED DATA (13) | OBSERVER'S INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R | 0046 | CLR | 20 | | | 223 | 58 | 27 | 03 | 09 | | 026 | 400 1001 | DS |
| R | 0148 | CLR | 20 | | | 225 | 58 | 32 | 01 | 09 | | 027 | | DS |
| R | 0248 | CLR | 20 | | | 224 | 57 | 30 | 02 | 10 | | 027 | | DS |
| R | 0348 | CLR | 20 | | | 225 | 57 | 29 | 02 | 10 | | 027 | 102 56 RADAT 20149 | JK |
| R | 0450 | CLR | 20 | | | 229 | 56 | 30 | 03 | 10 | | 027 | | JK |
| R | 0549 | CLR | 20 | | | 239 | 54 | 28 | 02 | 08 | | 029 | CI SAND W | JK |
| R | 0650 | CLR | 20 | | | 243 | 56 | 29 | 03 | 10 | | 030 | 310 1001 | JK |
| R | 0750 | CLR | 20 | | | 247 | 60 | 31 | 06 | 08 | | 032 | | JK |
| R | 0850 | CLR | 20 | | | 243 | 65 | 29 | 36 | 11 | | 032 | | JK |
| R | 0950 | CLR | 20 | | | 240 | 65 | 30 | 36 | 08 | | 031 | 002 1001 53 | JK |
| R | 1051 | CLR | 20 | | | 229 | 70 | 26 | 09 | 07 | | 028 | | JK |
| R | 1150 | CLR | 20 | | | 219 | 73 | 24 | 35 | 04 | | 026 | CI SW | JK |
| R | 1245 | CLR | 20 | | | 212 | 74 | 24 | 02 | 14 | | 023 | 724 1001 | JK |
| R | 1350 | 250-SCT | 20 | | | 203 | 75 | 21 | 09 | 12 | | 021 | | JK |
| R | 1451 | 250-SCT | 20 | | | 200 | 75 | 21 | 09 | 12 | | 019 | | JK |
| R | 1547 | 250-SCT | 20 | | | 199 | 75 | 22 | 09 | 08 | | 019 | 610 1001 76 RADAT 23153 | DS |
| R | 1647 | 250-SCT | 20 | | | 201 | 71 | 23 | 06 | 05 | | 019 | | DS |
| R | 1748 | 250-SCT | 20 | | | 207 | 65 | 22 | 03 | 03 | | 020 | | DS |
| R | 1847 | 300-SCT | 20 | | | 214 | 63 | 27 | 04 | 02 | | 022 | 309 1001 | DS |
| R | 1949 | 300-SCT | 20 | | | 218 | 55 | 27 | 03 | 02 | | 023 | | DS |
| R | 2047 | CLR | 20 | | | 215 | 56 | 28 | 31 | 02 | | 023 | Few CI | DS |
| R | 2147 | CLR | 20 | | | 215 | 55 | 27 | 12 | 03 | | 023 | 102 76 | DS |
| R | 2246 | CLR | 20 | | | 211 | 56 | 31 | 09 | 04 | | 022 | | DS |
| R | 2348 | CLR | 20 | | | 212 | 50 | 28 | 00 | 00 | | 022 | | DS |

A synoptic observation, in WMO code format FM11D, is entered on line following related aviation observation.

FM11D: IIiii Nddff VVwwW PPPTT $N_hC_Lh_hC_MC_H$ $T_dT_dapp$ $6P_oP_oP_oP_o$ $7RRR_rs$ $8N_sCh$ $h_s$ $9S_pS_psp_sp$ $2R_{24}R_{24}R_{24}R_{24}$ $3P_wP_wH_wH_w$ $d_wd_wP_wH_wH_w$ $4T_xT_xT_nT_n$

☆ U.S. GPO:1977-0-765-005/1111

MF1-10B
(2-77)

U. S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION [illegible], ESCEPT ROCK NV

DATE [illegible]

To convert LST to GMT ADD 8 hrs.

| TIME (L.S.T.) 16 | STATION PRESSURE (Ins.) 17 | DRY BULB (°F) 18 | WET BULB (°F) 19 | REL. HUMIDITY (%) 20 | TOTAL SKY COVER 21 | LOWEST LAYER AMT. 22 | LOWEST LAYER TYPE 23 | LOWEST LAYER HEIGHT 24 | SECOND LAYER AMT. 25 | SECOND LAYER TYPE 26 | SECOND LAYER HEIGHT 27 | SUMMATION TOTAL 28 | THIRD LAYER AMT. 29 | THIRD LAYER TYPE 30 | THIRD LAYER HEIGHT 31 | SUMMATION TOTAL 32 | FOURTH LAYER AMT. 33 | FOURTH LAYER TYPE 34 | FOURTH LAYER HEIGHT 35 | TOTAL OPAQUE SKY COVER 36 | PRESSURE TENDENCY 37 | NET 3-HR. CHANGE (Ins.) 38 | SUNSHINE (Min.) 39 | PRECIPITATION (Ins.) 40 | HR. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00 46 | 26.830 | 58.1 | 43.9 | 30 | 0 | 0 | CI | 300 | | | | | | | | | | | | 0 | 4 | .000 | | | 00-01 |
| 01 48 | 26.835 | 58.3 | 45.7 | 37 | 0 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 48 | 26.835 | 57.1 | 44.5 | 36 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 48 | 26.835 | 57.0 | 44.0 | 34 | 0 | | | | | | | | | | | | | | | 0 | 1 | .005 | | | 03-04 |
| 04 50 | 26.840 | 56.1 | 44.0 | 37 | 0 | | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 05 49 | 26.855 | 53.9 | 42.4 | 37 | 0 | | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 06 50 | 26.865 | 56.2 | 43.8 | 35 | 0 | 0 | CI | 250 | | | | | | | | | | | | 0 | 3 | .030 | | | 06-07 |
| 07 50 | 26.880 | 60.3 | 46.2 | 33 | 0 | | | | | | | | | | | | | | | 0 | | | | | 07-08 |
| 08 50 | 26.880 | 65.0 | 47.8 | 26 | 0 | | | | | | | | | | | | | | | 0 | | | | | 08-09 |
| 09 50 | 26.870 | 65.3 | 48.1 | 27 | 0 | 0 | CI | 250 | | | | | | | | | | | | 0 | 0 | .005 | | | 09-10 |
| 10 51 | 26.845 | 70.1 | 49.1 | 19 | 0 | | | | | | | | | | | | | | | 0 | | | | | 10-11 |
| 11 50 | 26.825 | 73.0 | 50.0 | 16 | 0 | | | | | | | | | | | | | | | 0 | | | | | 11-12 |
| 12 45 | 26.800 | 73.5 | 50.1 | 15 | 0 | 0 | CI | 250 | | | | | | | | | | | | 0 | 7 | .070 | | | 12-13 |
| 13 50 | 26.780 | 75.1 | 50.1 | 13 | 1 | | | | | | | | | | | | | | | 0 | | | | | 13-14 |
| 14 51 | 26.770 | 75.1 | 50.1 | 13 | 1 | | | | | | | | | | | | | | | 0 | | | | | 14-15 |
| 15 47 | 26.770 | 74.7 | 50.2 | 14 | 1 | 1 | CI | 250 | | | | | | | | | | | | 0 | 6 | .030 | | | 15-16 |
| 16 47 | 26.770 | 70.7 | 48.8 | 17 | 4 | | | | | | | | | | | | | | | 1 | | | | | 16-17 |
| 17 48 | 26.775 | 65.1 | 46.0 | 19 | 5 | | | | | | | | | | | | | | | 1 | | | | | 17-18 |
| 18 47 | 26.790 | 63.2 | 46.3 | 25 | 3 | 3 | CI | 300 | | | | | | | | | | | | 1 | 3 | .020 | | | 18-19 |
| 19 49 | 26.795 | 55.0 | 42.5 | 34 | 1 | | | | | | | | | | | | | | | 0 | | | | | 19-20 |
| 20 47 | 26.795 | 55.5 | 43.0 | 35 | 0 | | | | | | | | | | | | | | | 0 | | | | | 20-21 |
| 21 47 | 26.795 | 55.0 | 42.6 | 34 | 0 | | | | | | | | | | | | | | | 0 | 1 | .005 | | | 21-22 |
| 22 46 | 26.790 | 56.2 | 42.8 | 31 | 0 | | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 23 48 | 26.790 | 50.2 | 40.5 | 42 | 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 | PRECIP. ORIGIN 49 | STATE OF GRND. 50 | 51 | 52 | 53 | 54 | 55 | SOIL TEMP. 56 | 57 | 58 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MID. TO 0345 | | 0 | 0 | | 61 | 56 | | | | | | | | | | |
| | 0345 | 1 | 0 | 0 | 0 | 61 | 56 | | 0 | | | | | | | | |
| | 0947 | 2 | 0 | 0 | 0 | 66 | 53 | | 0 | | | | | | | | |
| | 1545 | 3 | 0 | 0 | 0 | 76 | 65 | | 0 | | | | | | | | |
| | 2145 | 4 | 0 | 0 | 0 | 75 | 54 | | 0 | | | | | | | | |
| | MID. | | 0 | 0 | 0 | 56 | 49 | | | | | | | | | | |

## STATION PRESSURE COMPUTATIONS

| TIME (L.S.T.) 59 | 0346 | 0948 | 1545 | 2145 |
|---|---|---|---|---|
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.835 | 26.870 | 26.770 | 26.795 |
| BAROGRAPH 64 | 26.825 | 26.865 | 26.755 | 26.780 |
| BAR. CORR. 65 | +.010 | +.005 | +.015 | +.015 |

## SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

| 24-HR. MAX. TEMP. (°F) 66 | 24-HR. MIN. TEMP. (°F) 67 | 24-HR. PRECIP. WATER EQUIV. (Ins.) 68 | 24-HR. SNOWFALL 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 76 | 49 | 0 | 0 | 0 | 17 | NE | 1233 | | | | | 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:

MF1-10B

☆ U.S.GPO:1977-0-765-005/1131

MF1-10A
(1-77)

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

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: 1978 NOV 8

TO CONVERT LST TO GMT ADD 7 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) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R | 0046 | CLR | 20 | | | 203 | 50 | 27 | 09 | 02 | | 020 | 808 | DS |
| R | 0145 | CLR | 20 | | | 199 | 49 | 27 | 00 | 00 | | 018 | | DS |
| R | 0248 | CLR | 20 | | | 199 | 48 | 23 | 12 | 04 | | 018 | | DS |
| R | 0349 | CLR | 20 | | | 190 | 52 | 24 | 36 | 02 | | 016 | 710 46 · RADAT 21149 | JK |
| R | 0452 | CLR | 20 | | | 191 | 48 | 24 | 36 | 01 | | 015 | | JK |
| R | 0552 | CLR | 20 | | | 196 | 47 | 22 | 01 | 02 | | 015 | | JK |
| R | 0645 | CLR | 20 | | | 195 | 51 | 23 | 36 | 01 | | 015 | 603 · | JK |
| R | 0746 | CLR | 20 | | | 196 | 55 | 22 | 13 | 04 | | 015 | | JK |
| R | 0845 | CLR | 20 | | | 187 | 63 | 22 | 16 | 04 | | 014 | | JK |
| R | 0945 | CLR | 20 | | | 179 | 67 | 24 | 36 | 07 | | 012 | 810 46 · | JK |
| R | 1046 | CLR | 20 | | | 167 | 72 | 17 | 27 | 02 | | 010 | | JK |
| R | 1149 | CLR | 20 | | | 157 | 73 | 24 | 19 | 05 | | 006 | | JK |
| R | 1245 | CLR | 20 | | | 145 | 75 | 22 | 21 | 05 | | 003 | 827 · | JK |
| R | 1348 | CLR | 20 | | | 142 | 76 | 20 | 18 | 04 | | 002 | | JK |
| R | 1450 | CLR | 20 | | | 139 | 76 | 22 | 20 | 07 | | 001 | | JK |
| R | 1547 | CLR | 20 | | | 133 | 75 | 21 | 22 | 04 | | 999 | 710 76 RADAT 21150 | DS |
| R | 1648 | CLR | 20 | | | 137 | 68 | 25 | 00 | 00 | | 999 | | DS |
| R | 1747 | CLR | 20 | | | 143 | 59 | 27 | 00 | 00 | | 999 | | DS |
| R | 1848 | CLR | 20 | | | 144 | 58 | 27 | 01 | 01 | | 999 | 500 | DS |
| R | 1949 | CLR | 20 | | | 141 | 57 | 27 | 33 | 02 | | 999 | | DS |
| R | 2050 | CLR | 20 | | | 135 | 53 | 26 | 06 | 03 | | 998 | | DS |
| R | 2145 | CLR | 20 | | | 130 | 51 | 26 | 03 | 02 | | 997 | 807 76 | DS |
| R | 2248 | CLR | 20 | | | 125 | 48 | 25 | 00 | 00 | | 999 | | DS |
| R | 2347 | CLR | 20 | | | 121 | 49 | 26 | 36 | 04 | | 995 | CS LYR W | DS |

A synoptic observation, in WMO code format FM11D, is entered on line following related aviation observation.

FM11D: IIiii Nddff VVwwW PPPTT $N_hC_LhC_MC_H$ $T_dT_dapp$ $6P_oP_oP_oP_o$ 7RRRrs $8N_sCh$ $h_s$ $9S_pS_pS_pS_p$ $2R_{24}R_{24}R_{24}R_{24}$ $3P_wP_wH_wH_w$ $d_wd_wP_wH_wH_w$ $4T_xT_xT_nT_n$

☆ U.S. GPO:1977-0-765-005/1111

MF1-10B
(2-77)

U. S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: 1978 NOV 9

To convert LST to GMT ADD 8 hrs.

| TIME (L.S.T.) 16 | STATION PRESSURE (Ins.) 17 | DRY BULB (°F) 18 | WET BULB (°F) 19 | REL. HUMIDITY (%) 20 | TOTAL SKY COVER 21 | LOWEST LAYER AMT. 22 | LOWEST LAYER TYPE 23 | LOWEST LAYER HEIGHT 24 | SECOND LAYER AMT. 25 | SECOND LAYER TYPE 26 | SECOND LAYER HEIGHT 27 | SUMMATION TOTAL 28 | THIRD LAYER AMT. 29 | THIRD LAYER TYPE 30 | THIRD LAYER HEIGHT 31 | SUMMATION TOTAL 32 | FOURTH LAYER AMT. 33 | FOURTH LAYER TYPE 34 | FOURTH LAYER HEIGHT 35 | TOTAL OPAQUE SKY COVER 36 | PRESSURE TENDENCY 37 | NET 3-HR. CHANGE (Ins.) 38 | SUNSHINE (Min.) 39 | PRECIPITATION (Ins.) 40 | HR. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00 46 | 26.770 | 50.4 | 40.0 | 39 | 0 | | | | | | | | | | | | | | | 0 | 8 | .025 | | | 00-01 |
| 01 45 | 26.760 | 49.1 | 39.5 | 42 | 0 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 48 | 26.755 | 48.2 | 38.6 | 37 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 49 | 26.740 | 52.0 | 40.0 | 33 | 0 | | | | | | | | | | | | | | | 0 | 7 | .030 | | | 03-04 |
| 04 52 | 26.730 | 47.9 | 37.9 | 39 | 0 | | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 05 52 | 26.730 | 47.0 | 37.0 | 37 | 0 | | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 06 45 | 26.730 | 50.5 | 39.1 | 33 | 0 | | | | | | | | | | | | | | | 0 | 6 | .010 | | | 06-07 |
| 07 46 | 26.730 | 54.8 | 41.0 | 27 | 0 | | | | | | | | | | | | | | | 0 | | | | | 07-08 |
| 08 45 | 26.720 | 63.0 | 45.0 | 21 | 0 | | | | | | | | | | | | | | | 0 | | | | | 08-09 |
| 09 45 | 26.700 | 67.2 | 47.4 | 20 | 0 | | | | | | | | | | | | | | | 0 | 8 | .030 | | | 09-10 |
| 10 46 | 26.680 | 72.0 | 48.0 | 12 | 0 | | | | | | | | | | | | | | | 0 | | | | | 10-11 |
| 11 49 | 26.645 | 73.0 | 50.0 | 16 | 0 | | | | | | | | | | | | | | | 0 | | | | | 11-12 |
| 12 45 | 26.620 | 74.5 | 50.1 | 14 | 0 | | | | | | | | | | | | | | | 0 | 8 | .080 | | | 12-13 |
| 13 48 | 26.610 | 75.8 | 50.2 | 12 | 0 | | | | | | | | | | | | | | | 0 | | | | | 13-14 |
| 14 50 | 26.600 | 75.8 | 50.6 | 13 | 0 | | | | | | | | | | | | | | | 0 | | | | | 14-15 |
| 15 47 | 26.590 | 75.0 | 50.1 | 13 | 0 | | | | | | | | | | | | | | | 0 | 7 | .030 | | | 15-16 |
| 16 48 | 26.585 | 68.0 | 48.1 | 20 | 0 | | | | | | | | | | | | | | | 0 | | | | | 16-17 |
| 17 47 | 26.590 | 59.2 | 44.5 | 29 | 0 | | | | | | | | | | | | | | | 0 | | | | | 17-18 |
| 18 48 | 26.590 | 57.6 | 43.7 | 30 | 0 | | | | | | | | | | | | | | | 0 | 5 | .000 | | | 18-19 |
| 19 49 | 26.590 | 57.0 | 43.6 | 32 | 0 | | | | | | | | | | | | | | | 0 | | | | | 19-20 |
| 20 50 | 26.580 | 52.8 | 41.0 | 34 | 0 | | | | | | | | | | | | | | | 0 | | | | | 20-21 |
| 21 45 | 26.590 | 50.8 | 40.0 | 37 | 0 | | | | | | | | | | | | | | | 0 | 8 | .020 | | | 21-22 |
| 22 48 | 26.560 | 47.6 | 38.2 | 41 | 0 | | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 23 47 | 26.550 | 48.5 | 39.0 | 42 | 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 | PRECIP. ORIGIN 49 | STATE OF GRND. 50 | 51 | 52 | 53 | 54 | 55 | SOIL TEMP. 56 | 57 | 58 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MID. TO 0346 | X | 0 | 0 | X | 52 | 46 | X | X | | | | | | X | | |
| | 0346 | 1 | 0 | 0 | 0 | 56 | 46 | | 0 | | | | | | | | |
| | 0943 | 2 | 0 | 0 | 0 | 67 | 46 | | 0 | | | | | | | | |
| | 1544 | 3 | 0 | 0 | 0 | 76 | 67 | | 0 | | | | | | | | |
| | 2144 | 4 | 0 | 0 | 8 | 75 | 48 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 51 | 44 | X | X | | | | | | X | | |

## STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0347 | 0944 | 1545 | 2145 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.740 | 26.700 | 26.590 | 26.570 |
| BAROGRAPH 64 | 26.730 | 26.700 | 26.575 | 26.560 |
| BAR. CORR. 65 | +.010 | ±.0 | +.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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 76 | 44 | 0 | 0 | 0 | 09 | 5 | 1400 | | | | | 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:

MF1-10B

☆ U.S.GPO:1977-0-765-005/1131

MF1-10A (1-77)

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

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: 1978 May 9

TO CONVERT LST TO GMT ADD 6 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) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R | 0049 | CLR | 20 | | | 115 | 45 | 25 | 00 | 00 | | 993 | 714 1008 | US |
| R | 0145 | CLR | 20 | | | 109 | 45 | 25 | 01 | 02 | | 992 | | US |
| R | 0245 | CLR | 20 | | | 109 | 46 | 27 | 12 | 02 | | 992 | | US |
| R | 0345 | CLR | 20 | | | 095 | 44 | 22 | 09 | 02 | | 987 | 717 44 RADAT 20143 | SH |
| R | 0445 | 250 -SCT | 20 | | | 095 | 45 | 22 | 31 | 03 | | 986 | | SH |
| R | 0546 | CLR | 20 | | | 098 | 43 | 22 | 11 | 02 | | 986 | FEW CI | SH |
| R | 0646 | CLR | 20 | | | 098 | 42 | 22 | 13 | 02 | | 985 | 607 1008 | SH |
| R | 0746 | CLR | 20 | | | 096 | 50 | 21 | 08 | 02 | | 986 | CI SE-NW | SH |
| R | 0845 | CLR | 20 | | | 091 | 57 | 25 | 18 | 02 | | 985 | CI S-N | SH |
| R | 0947 | 250 -SCT | 20 | | | 084 | 63 | 21 | 27 | 03 | | 983 | 807 1008 40 | SH |
| R | 1046 | 250 -SCT | 20 | | | 072 | 66 | 21 | 22 | 02 | | 980 | | SH |
| R | 1148 | 250 -SCT | 20 | | | 046 | 68 | 23 | 20 | 05 | | 973 | PRESFR | SH |
| R | 1246 | CLR | 20 | | | 031 | 72 | 23 | 20 | 15 | G21 | 969 | 744 1008 | SH |
| R | 1347 | CLR | 20 | | | 018 | 73 | 20 | 18 | 08 | | 965 | PK WND 2131/2055 | SH |
| | — | | | | | — | | | | | | | CI ALQDS | — |
| R | 1448 | CLR | 20 | | | 007 | 74 | 14 | 18 | 19 | G30 | 960 | PK WND 1830/40 | SH |
| R | 1550 | 160 SCT 240 SCT | 20 | | | 005 | 73 | 16 | 18 | 14 | G23 | 961 | 724 1048 75 | / |
| / | / | / | / | | | / | / | / | / | / | / | / | RADAT 30134 | WN |
| R | 1645 | 160 SCT 240 SCT | 20 | | | 006 | 70 | 17 | 13 | 08 | | 961 | | 75 |
| R | 1750 | 160 SCT 240 SCT | 20 | | | 006 | 63 | 25 | 12 | 04 | | 960 | | WN |
| R | 1850 | 160 SCT 240 -SCT | 20 | | | 002 | 67 | 19 | 18 | 10 | G19 | 959 | 807 1048 | WN |
| R | 1950 | 160 SCT 240 SCT | 20 | | | 994 | 67 | 19 | 18 | 09 | | 958 | | WN |
| R | 2050 | 160 SCT 240 -BKN | 20 | | | 991 | 66 | 20 | 16 | 11 | G18 | 958 | | WN |
| R | 2150 | 160 SCT 240 -BKN | 20 | | | 992 | 65 | 19 | 17 | 07 | G16 | 959 | 500 1048 75 | WN |
| R | 2250 | 160 SCT 240 -BKN | 20 | | | 992 | 64 | 25 | 18 | 10 | | 960 | | WN |
| R | 2350 | 160 SCT 240 -BKN | 20 | | | 000 | 61 | 22 | 24 | 09 | | 962 | | WN |

A synoptic observation, in WMO code format FM11D, is entered on line following related aviation observation.

FM11D: Iliii Nddff VVwwW PPPTT $N_hC_LhC_MC_H$ $T_dT_dopp$ $6P_oP_oP_oP_o$ 7RRR.s $8N_sCh$ $h_s$ $9S_pS_psp_sp$ $2R_{24}R_{24}R_{24}R_{24}$ $3P_wP_wH_wH_w$ $d_wd_wP_wH_wH_w$ $4T_xT_xT_nT_n$

☆ U.S.GPO:1977-0-765-005/1111

MF1-10B
(2-77)

U. S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: WBAO, DESERT ROCK, NV
DATE: 1972 NOV 9
To convert LST to GMT ADD 8 hrs.

| TIME (L.S.T.) 16 | STATION PRESSURE (Ins.) 17 | DRY BULB (°F) 18 | WET BULB (°F) 19 | REL. HUMIDITY (%) 20 | TOTAL SKY COVER 21 | LOWEST LAYER AMT. 22 | LOWEST LAYER TYPE 23 | LOWEST LAYER HEIGHT 24 | SECOND LAYER AMT. 25 | SECOND LAYER TYPE 26 | SECOND LAYER HEIGHT 27 | SUMMATION TOTAL 28 | THIRD LAYER AMT. 29 | THIRD LAYER TYPE 30 | THIRD LAYER HEIGHT 31 | SUMMATION TOTAL 32 | FOURTH LAYER AMT. 33 | FOURTH LAYER TYPE 34 | FOURTH LAYER HEIGHT 35 | TOTAL OPAQUE SKY COVER 36 | PRESSURE TENDENCY 37 | NET 3-HR. CHANGE (Ins.) 38 | SUNSHINE (Min.) 39 | PRECIPITATION (Ins.) 40 | HR. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00 49 | 26.530 | 45.2 | 36.8 | 45 | 0 | 0 | CS | 250 | | | | | | | | | | | | 0 | 7 | 0.40 | | | 00-01 |
| 01 45 | 26.520 | 45.4 | 36.7 | 45 | 0 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 45 | 26.520 | 45.6 | 37.7 | 48 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 45 | 26.480 | 44.4 | 35.6 | 41 | 0 | | | | | | | | | | | | | | | 0 | 7 | .050 | | | 03-04 |
| 04 45 | 26.470 | 45.4 | 36.0 | 39 | 4 | | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 05 46 | 26.465 | 43.4 | 35.0 | 42 | 0 | | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 06 46 | 26.460 | 41.8 | 34.2 | 45 | 0 | 0 | CS | 250 | | | | | | | | | | | | 0 | 6 | .020 | | | 06-07 |
| 07 46 | 26.465 | 50.0 | 38.2 | 31 | 0 | | | | | | | | | | | | | | | 0 | | | | | 07-08 |
| 08 45 | 26.455 | 56.7 | 42.7 | 29 | 0 | | | | | | | | | | | | | | | 0 | | | | | 08-09 |
| 09 47 | 26.440 | 63.3 | 45.0 | 2.0 | 2 | 2 | CS | 250 | | | | | | | | | | | | 0 | 8 | .020 | | | 09-10 |
| 10 46 | 26.410 | 66.3 | 46.3 | 18 | 2 | | | | | | | | | | | | | | | 0 | | | | | 10-11 |
| 11 48 | 26.350 | 68.4 | 47.8 | 18 | 1 | | | | | | | | | | | | | | | 0 | | | | | 11-12 |
| 12 46 | 26.310 | 72.2 | 49.3 | 16 | 0 | 0 | CS | 250 | | | | | | | | | | | | 0 | 7 | .130 | | | 12-13 |
| 13 47 | 26.280 | 73.3 | 49.2 | 13 | 0 | | | | | | | | | | | | | | | 0 | | | | | 13-14 |
| 14 48 | 26.250 | 74.0 | 48.5 | 10 | 0 | | | | | | | | | | | | | | | 0 | | | | | 14-15 |
| 15 50 | 26.240 | 72.8 | 48.3 | 11 | 2 | 1 | AC | 160 | 1 | CS | 240 | 2 | | | | | | | | 2 | 6 | .070 | | | 15-16 |
| 16 45 | 26.240 | 69.9 | 47.1 | 13 | 2 | | | | | | | | | | | | | | | 2 | | | | | 16-17 |
| 17 50 | 26.230 | 63.4 | 45.8 | 23 | 3 | | | | | | | | | | | | | | | 2 | | | | | 17-18 |
| 18 50 | 26.220 | 67.3 | 46.4 | 16 | 5 | 2 | AC | 160 | 3 | CS | 240 | 5 | | | | | | | | 2 | 8 | .020 | | | 18-19 |
| 19 50 | 26.210 | 66.8 | 46.1 | 16 | 5 | | | | | | | | | | | | | | | 3 | | | | | 19-20 |
| 20 50 | 26.210 | 66.3 | 46.0 | 17 | 7 | | | | | | | | | | | | | | | 2 | | | | | 20-21 |
| 21 50 | 26.220 | 64.7 | 45.1 | 17 | 8 | 1 | AC | 160 | 8 | CS | 240 | 8 | | | | | | | | 3 | 5 | .000 | | | 21-22 |
| 22 50 | 26.225 | 64.1 | 46.3 | 22 | 8 | | | | | | | | | | | | | | | 4 | | | | | 22-23 |
| 23 50 | 26.245 | 61.2 | 44.2 | 22 | 8 | | | | | | | | | | | | | | | 4 | | | | | 23-24 |

## SYNOPTIC OBSERVATIONS

| TIME (G.M.T.) 41 | TIME (L.S.T.) 42 | NO. 43 | PRECIP. (Ins.) 44 | SNOW FALL (Ins.) 45 | SNOW DEPTH (Ins.) 46 | MAX. TEMP. (°F) 47 | MIN. TEMP. (°F) 48 | PRECIP. ORIGIN 49 | STATE OF GRND. 50 | 51 | 52 | 53 | 54 | 55 | SOIL TEMP. 56 | 57 | 58 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MID. TO 0342 | X | 0 | 0 | X | 49 | 44 | X | X | | | | | | X | | |
| | 0342 | 1 | 0 | 0 | 0 | 51 | 44 | | 0 | | | | | | | | |
| | 0943 | 2 | 0 | 0 | 0 | 65 | 40 | | 0 | | | | | | | | |
| | 1548 | 3 | 0 | 0 | 0 | 75 | 63 | | 0 | | | | | | | | |
| | 2148 | 4 | 0 | 0 | 0 | 73 | 60 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 65 | 61 | X | X | | | | | | X | | |

## STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0344 | 0945 | 1547 | 2149 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.480 | 26.440 | 26.240 | 26.220 |
| BAROGRAPH 64 | 26.460 | 26.440 | 26.255 | 26.225 |
| BAR. CORR. 65 | +.020 | *0 | -.015 | -.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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 75 | 40 | 0 | 0 | 0 | 31 | SW | 1255 | | | | | 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:

* BAROGRAM CHANGED AND RESET TO ZERO CORRECTION 0345 PST

MF1-10B

☆ U.S.GPO:1977-0-765-005/1131

MF1-10A
(1-77)

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

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: 1978 NOV 10

TO CONVERT LST TO GMT ADD 8 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) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R | 0050 | E160 BKN 240 BKN | 20 | | | 006 | 55 | 25 | 20 | 04 | | 963 | 314 1038 | WRG |
| R | 0150 | 160 SCT E240 BKN | 20 | | | 008 | 50 | 26 | 24 | 03 | | 963 | | WRG |
| R | 0250 | 160 SCT 240 - BKN | 20 | | | 015 | 51 | 24 | 29 | 06 | | 966 | | WRG |
| R | 0347 | E160 BKN 240 BKN | 20 | | | 019 | 48 | 21 | 01 | 12 | | 965 | 107 1058 47 RADAT 58098 | SH |
| R | 0445 | 160 SCT E240 BKN | 20 | | | 024 | 47 | 19 | 36 | 11 | | 967 | | SH |
| R | 0547 | 160 SCT E240 OVC | 20 | | | 028 | 46 | 19 | 02 | 14 | | 967 | | SH |
| R | 0648 | 160 SCT E240 BKN | 20 | | | 034 | 46 | 18 | 02 | 12 | | 969 | 310 1078 | SH |
| R | 0747 | 140 SCT E240 BKN | 20 | | | 041 | 48 | 18 | 36 | 09 | | 971 | | SH |
| R | 0846 | E100 BKN 160 OVC | 20 | | | 040 | 50 | 19 | 24 | 04 | | 971 | | SH |
| R | 0946 | E90 BKN 150 OVC | 20 | | | 041 | 50 | 17 | 20 | 05 | | 971 | 107 157/ 45 | SH |
| R | 1047 | E60 BKN 140 OVC | 20 | | | 041 | 50 | 21 | 18 | 03 | | 971 | CLDS TPG MTNS SE | SH |
| R | 1147 | E50 BKN 90 OVC | 20 | | | 034 | 52 | 24 | 22 | 03 | | 969 | | SH |
| R | 1246 | E50 OVC | 20 | | | 026 | 52 | 23 | 22 | 04 | | 965 | RWU SE/ 817 1511 | SH |
| R | 1347 | E40 OVC | 10 | | R- | 025 | 50 | 28 | 30 | 02 | | 964 | RB35 | SH |
| R | 1445 | E45 BKN 80 OVC | 20 | | | 022 | 50 | 41 | 34 | 02 | | 963 | RE20 | SH |
| R | 1550 | E 50 BKN 120 OVC | 20 | | RW- | 017 | 50 | 41 | 01 | 03 | | 961 | RB20 71401 1821 | / |
| | | / / | / | | / | / | / | / | / | / | | / | 54 Radat 97083 | WRG |
| R | 1650 | E40 OVC | 10 | | RW- | 017 | 48 | 44 | 36 | 02 | | 961 | | WRG |
| R | 1750 | E40 OVC | 10 | | R- | 018 | 47 | 43 | 14 | 02 | | 961 | | WRG |
| R | 1850 | E40 OVC | 10 | | R- | 015 | 47 | 43 | 04 | 02 | | 961 | 80224 1811 | WRG |
| R | 1950 | E40 OVC | 10 | | R- | 012 | 47 | 45 | 29 | 03 | | 959 | | WRG |
| R | 2050 | E40 OVC | 10 | | R- | 006 | 47 | 46 | 14 | 02 | | 958 | | WRG |
| R | 2150 | E40 OVC | 10 | | R- | 002 | 47 | 45 | 11 | 07 | | 957 | 71050 1811 54 | WRG |
| R | 2250 | E40 OVC | 10 | | R- | 998 | 48 | 45 | 12 | 07 | | 956 | | WRG |
| R | 2350 | E40 OVC | 10 | | R- | 999 | 48 | 45 | 00 | 00 | | 957 | | WRG |

A synoptic observation, in WMO code format FM11D, is entered on line following related aviation observation.

FM11D: Iiiii Nddff VVwwW PPPTT $N_hC_LhC_MC_H$ $T_dT_dapp$ $6P_oP_oP_oP_o$ 7RRR.s $8N_sCh$ $h_s$ 9SpSpspsp $2R_{24}R_{24}R_{24}R_{24}$ $3P_wP_wH_wH_w$ $d_wd_wP_wH_wH_w$ $4T_xT_xT_nT_n$

☆ U.S.GPO:1977-0-765-005/1111

MF1-10B
(2-77)

U. S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: 1978 NOV 1 0

To convert LST to GMT ADD 7 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. | 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 | 26.260 | 55.0 | 41.4 | 31 | 8 | 6 | AC | E160 | 2 | CS | 240 | 8 | | | | | | | | 6 | 3 | .040 | | | 00-01 |
| 01 50 | 26.260 | 50.4 | 39.9 | 38 | 8 | | | | | | | | | | | | | | | 6 | | | | | 01-02 |
| 02 50 | 26.240 | 50.6 | 39.5 | 35 | 8 | | | | | | | | | | | | | | | 4 | | | | | 02-03 |
| 03 47 | 26.280 | 48.1 | 37.3 | 34 | 8 | 6 | AC | E160 | 2 | CS | 240 | 8 | | | | | | | | 8 | 1 | .020 | | | 03-04 |
| 04 45 | 26.290 | 46.8 | 36.2 | 33 | 9 | | | | | | | | | | | | | | | 9 | | | | | 04-05 |
| 05 47 | 26.290 | 46.2 | 35.7 | 33 | 10 | | | | | | | | | | | | | | | 8 | | | | | 05-06 |
| 06 48 | 26.310 | 45.7 | 35.2 | 32 | 9 | 2 | AC | 160 | 7 | CS | E240 | 9 | | | | | | | | 8 | 3 | .030 | | | 06-07 |
| 07 47 | 26.330 | 48.2 | 36.6 | 30 | 9 | | | | | | | | | | | | | | | 6 | | | | | 07-08 |
| 08 46 | 26.330 | 49.8 | 37.7 | 29 | 10 | | | | | | | | | | | | | | | 10 | | | | | 08-09 |
| 09 46 | 26.330 | 49.8 | 37.2 | 26 | 10 | 9 | SC | E90 | 1 | AC | 150 | 10 | | | | | | | | 10 | 1 | .020 | | | 09-10 |
| 10 47 | 26.330 | 50.2 | 38.4 | 31 | 10 | | | | | | | | | | | | | | | 10 | | | | | 10-11 |
| 11 47 | 26.310 | 52.0 | 40.0 | 33 | 10 | | | | | | | | | | | | | | | 10 | | | | | 11-12 |
| 12 46 | 26.280 | 52.2 | 40.0 | 32 | 10 | 10 | SC | E50 | | | | | | | | | | | | 10 | 8 | .050 | | | 12-13 |
| 13 47 | 26.270 | 50.3 | 40.4 | 42 | 10 | | | | | | | | | | | | | | | 10 | | | | | 13-14 |
| 14 45 | 26.260 | 49.6 | 45.0 | 71 | 10 | | | | | | | | | | | | | | | 10 | | | | | 14-15 |
| 15 50 | 26.240 | 49.6 | 45.2 | 71 | 10 | 8 | SC | E50 | 2 | AS | 120 | 10 | | | | | | | | 10 | 7 | .040 | | | 15-16 |
| 16 50 | 26.240 | 48.0 | 45.9 | 86 | 10 | | | | | | | | | | | | | | | 10 | | | | | 16-17 |
| 17 50 | 26.240 | 47.0 | 44.8 | 85 | 10 | | | | | | | | | | | | | | | 10 | | | | | 17-18 |
| 18 50 | 26.235 | 46.6 | 44.9 | 87 | 10 | 10 | SC | E40 | | | | | | | | | | | | 10 | 8 | .005 | | | 18-19 |
| 19 50 | 26.225 | 46.7 | 45.9 | 95 | 10 | | | | | | | | | | | | | | | 10 | | | | | 19-20 |
| 20 50 | 26.215 | 47.4 | 46.3 | 93 | 10 | | | | | | | | | | | | | | | 10 | | | | | 20-21 |
| 21 50 | 26.205 | 46.6 | 46.0 | 95 | 10 | 10 | SC | E40 | | | | | | | | | | | | 10 | 7 | .030 | | | 21-22 |
| 22 50 | 26.195 | 48.2 | 46.5 | 90 | 10 | | | | | | | | | | | | | | | 10 | | | | | 22-23 |
| 23 50 | 26.200 | 48.1 | 46.6 | 90 | 10 | | | | | | | | | | | | | | | 10 | | | | | 23-24 |

## SYNOPTIC OBSERVATIONS

| TIME (G.M.T.) 41 | TIME (L.S.T.) 42 | NO. 43 | PRECIP. (Ins.) 44 | SNOW FALL (Ins.) 45 | SNOW DEPTH (Ins.) 46 | MAX. TEMP. (°F) 47 | MIN. TEMP. (°F) 48 | PRECIP. ORIGIN 49 | STATE OF GRND. 50 | 51 | 52 | 53 | 54 | 55 | SOIL TEMP. 56 | 57 | 58 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MID. TO 0343 | X | 0 | 0 | X | 61 | 47 | X | X | | | | | | X | | |
| | 0343 | 1 | 0 | 0 | 0 | 65 | 47 | | 0 | | | | | | | | |
| | 0944 | 2 | 0 | 0 | 0 | 50 | 45 | | 0 | | | | | | | | |
| | 1546 | 3 | .01 | 0 | 0 | 54 | 47 | | 1 | | | | | | | | |
| | 2146 | 4 | .50 | 0 | 0 | 50 | 45 | | 1 | | | | | | | | |
| | MID. | X | .07 | 0 | 0 | 49 | 43 | X | X | | | | | | X | | |

## STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0345 | 0945 | 1549 | 2149 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26280 | 26330 | 26240 | 26205 |
| BAROGRAPH 64 | 26270 | 26330 | 26.245 | 26215 |
| BAR. CORR. 65 | +010 | 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 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 | 43 | .58 | 0 | 0 | 22 | N | 537 | | | | | 10 | | | |

## WEATHER & OBSTRUCTIONS TO VISION

| TYPE 82 | BEGAN 83 | ENDED 84 | TYPE 86 | BEGAN 87 | ENDED 88 |
|---|---|---|---|---|---|
| R- | 1335 | 1420 | | | |
| RW- | 1520 | 1730 | | | |
| R- | 1730 | Cont | | | |

## 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:

MF1-10B

☆ U.S.GPO:1977-0-765-005/1131

MF1-10A (1-77)

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

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: 1978 NOV 11

TO CONVERT LST TO GMT ADD 8 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 (30-36) (9) | WIND SPEED (Kts.) (10) | WIND CHARACTER (11) | ALTIMETER SETTING (Ins.) (12) | REMARKS AND SUPPLEMENTAL CODED DATA (13) | OBSERVER'S INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R | 0050 | E 40 OVC | 10 | | R- | 000 | 47 | 43 | 22 | 14 | | 957 | 50202 1811 | WRG |
| R | 0150 | E 40 OVC | 10 | | R- | 012 | 45 | 42 | 20 | 06 | | 960 | | WRG |
| R | 0250 | E 40 OVC | 15 | | R- | 019 | 45 | 40 | 15 | 10 | G19 | 962 | | WRG |
| R | 0357 | E40 OVC | 20 | | | 019 | 46 | 34 | 21 | 08 | | 962 | RE15 / 01514 1811 | SH |
| | — | | — | | | — | — | — | | | | | 43 20065 RADAT | / |
| | — | | — | | | — | — | — | | | | | 00070 | / |
| R | 0445 | E40BKN 60 OVC | 20 | | | 021 | 46 | 37 | 14 | 08 | G21 | 962 | | SH |
| R | 0545 | E35 BKN 60 OVC | 20 | | | 027 | 45 | 36 | 18 | 08 | | 963 | | SH |
| R | 0648 | E35 OVC | 15 | | | 038 | 44 | 38 | 16 | 09 | | 966 | RWU SE-S / 315 1811 | SH |
| R | 0749 | E35 OVC | 20 | | | 042 | 44 | 39 | 16 | 10 | | 968 | SHWRS ALQDS | SH |
| R | 0846 | E35 BKN 60 OVC | 20 | | | 045 | 45 | 36 | 19 | 10 | | 969 | BINOVC S | SH |
| R | 0951 | E35 BKN 60 OVC | 20 | | | 052 | 45 | 36 | 17 | 12 | | 971 | MTNS OBSCD S / 212 | SH |
| | — | | | | | — | — | | | | | | 172/ 43 | / |
| RS | 1047 | 15 SCT E25 OVC | 15 | | RW- | 052 | 43 | 38 | 19 | 14 | | 971 | RB32 | SH |
| R | 1146 | E15 OVC | 10 | | R- | 046 | 42 | 40 | 20 | 12 | | 969 | | SH |
| RS | 1247 | 15 SCT E35 OVC | 20 | | | 038 | 45 | 37 | 21 | 09 | | 967 | RE15 BINOVC S / 81202 | SH |
| — | — | | — | | — | — | — | | | | | | 172/ | |
| R | 1348 | E35 OVC | 15 | | R- | 041 | 43 | 38 | 20 | 11 | | 967 | RB35 | SH |
| R | 1445 | E35 OVC | 15 | | R- | 043 | 44 | 36 | 18 | 12 | | 967 | BINOVC W | SH |
| R | 1550 | E 35 OVC | 15 | | R- | 036 | 42 | 33 | 12 | 04 | | 966 | BINOVC W 80203 | WRG |
| / | / | / | / | | / | / | / | / | / | / | | / | 17// 76 Radat 91053 | / |
| RS | 1650 | E15 BKN 35 OVC | 10 | | R- | 044 | 40 | 33 | 16 | 06 | G14 | 968 | MTNS VSBY HIR W N-SE OBSCD | WRG |
| R | 1750 | E15 BKN 35 OVC | 10 | | R- | 047 | 40 | 35 | 04 | 04 | | 968 | MTNS N SE OBSCD | WRG |
| RS | 1850 | E25 OVC | 10 | | R- | 050 | 41 | 36 | 30 | 02 | | 969 | 21005 17// | WRG |
| R | 1950 | E25 OVC | 10 | | R- | 050 | 41 | 35 | 00 | 00 | | 969 | MTNS ALQDS OBSCD | WRG |
| RS | 2050 | 25 SCT E50 BKN | 20 | | | 054 | 39 | 37 | 10 | 03 | | 970 | RE25 | WRG |
| R | 2150 | 25 SCT E50 OVC | 20 | | | 062 | 40 | 37 | 00 | 00 | | 972 | 31008 17// 49 | WRG |
| S | 2220 | E25 OVC | 10 | | R- | | | | 27 | 02 | | 973 | RB 20 | WRG |
| R | 2250 | E25 OVC | 10 | | R- | 077 | 39 | 36 | 27 | 03 | | 973 | | WRG |
| R | 2350 | E25 OVC | 10 | | R- | 071 | 39 | 37 | 27 | 03 | | 974 | | WRG |

A synoptic observation, in WMO code format FM11D, is entered on line following related aviation observation.

FM11D: Iiiii Nddff VVwwW PPPTT $N_hC_LhC_MC_H$ $T_dT_dapp$ $6P_oP_oP_oP_o$ 7RRRrs $8N_sCh$ $h_s$ 9SpSpspsp $2R_{24}R_{24}R_{24}R_{24}$ $3P_wP_wH_wH_w$ $d_wd_wP_wH_wH_w$ $4T_xT_xT_nT_n$

☆ U.S.GPO:1977-0-765-005/1111

MF1-10B
(2-77)

U. S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK NV

DATE: 1978 NOV 11

To convert LST to GMT ADD 8 hrs.

| TIME (L.S.T.) 16 | STATION PRESSURE (Ins.) 17 | DRY BULB (°F) 18 | WET BULB (°F) 19 | REL. HUMIDITY (%) 20 | TOTAL SKY COVER 21 | CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT. 22 | LOWEST LAYER TYPE 23 | LOWEST LAYER HEIGHT 24 | SECOND LAYER AMT. 25 | SECOND LAYER TYPE 26 | SECOND LAYER HEIGHT 27 | SUMMATION TOTAL 28 | THIRD LAYER AMT. 29 | THIRD LAYER TYPE 30 | THIRD LAYER HEIGHT 31 | SUMMATION TOTAL 32 | FOURTH LAYER AMT. 33 | FOURTH LAYER TYPE 34 | FOURTH LAYER HEIGHT 35 | TOTAL OPAQUE SKY COVER 36 | PRESSURE TENDENCY 37 | NET 3-HR. CHANGE (Ins.) 38 | SUNSHINE (Min.) 39 | PRECIPITATION (Ins.) 40 | HR. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00 50 | 26200 | 47.2 | 45.2 | 87 | 10 | 10 | CF | E40 | | | | | | | | | | | | 10 | 5 | .005 | | . | 00-01 |
| 01 50 | 26230 | 45.1 | 43.3 | 67 | 10 | | | | | | | | | | | | | | | 10 | | | | | 01-02 |
| 02 50 | 26250 | 45.2 | 42.4 | 63 | 10 | | | | | | | | | | | | | | | 10 | | | | | 02-03 |
| 03 51 | 26245 | 46.0 | 40.4 | 63 | 10 | 10 | SC | E40 | | | | | | | | | | | | 10 | 0 | .045 | | | 03-04 |
| 04 45 | 26250 | 46.1 | 41.8 | 71 | 10 | | | | | | | | | | | | | | | 10 | | | | | 04-05 |
| 05 45 | 26260 | 44.7 | 40.6 | 72 | 10 | | | | | | | | | | | | | | | 10 | | | | | 05-06 |
| 06 48 | 26290 | 44.1 | 41.0 | 78 | 10 | 10 | SC | E35 | | | | | | | | | | | | 10 | 3 | .045 | | | 06-07 |
| 07 49 | 26300 | 43.7 | 41.2 | 82 | 10 | | | | | | | | | | | | | | | 10 | | | | | 07-08 |
| 08 46 | 26310 | 45.1 | 40.6 | 69 | 10 | | | | | | | | | | | | | | | 10 | | | | | 08-09 |
| 09 51 | 26325 | 45.1 | 40.7 | 70 | 10 | 7 | CUFRA | E35 | 3 | NS | 60 | 10 | | | | | | | | 10 | 2 | .035 | | | 09-10 |
| 10 47 | 26325 | 42.7 | 40.3 | 83 | 10 | | | | | | | | | | | | | | | 10 | | | | | 10-11 |
| 11 46 | 26310 | 42.4 | 41.1 | 90 | 10 | | | | | | | | | | | | | | | 10 | | | | | 11-12 |
| 12 47 | 26290 | 45.0 | 41.1 | 72 | 10 | 4 | CUFRA | 15 | 6 | NS | E35 | 10 | | | | | | | | 10 | 8 | .035 | | | 12-13 |
| 13 48 | 26290 | 43.2 | 40.7 | 82 | 10 | | | | | | | | | | | | | | | 10 | | | | | 13-14 |
| 14 45 | 26300 | 43.6 | 40.0 | 74 | 10 | | | | | | | | | | | | | | | 10 | | | | | 14-15 |
| 15 50 | 26280 | 42.4 | 38.0 | 68 | 10 | 10 | CUFRA | E35 | | | | | | | | | | | | 9 | 5 | .010 | | | 15-16 |
| 16 50 | 26300 | 40.3 | 36.9 | 74 | 10 | | | | | | | | | | | | | | | 10 | | | | | 16-17 |
| 17 50 | 26300 | 40.3 | 38.0 | 83 | 10 | | | | | | | | | | | | | | | 10 | | | | | 17-18 |
| 18 50 | 26310 | 41.1 | 38.6 | 82 | 10 | 10 | CUFRA | E25 | | | | | | | | | | | | 10 | 2 | .030 | | | 18-19 |
| 19 50 | 26310 | 41.0 | 38.0 | 78 | 10 | | | | | | | | | | | | | | | 10 | | | | | 19-20 |
| 20 50 | 26320 | 38.6 | 37.7 | 91 | 6 | | | | | | | | | | | | | | | 6 | | | | | 20-21 |
| 21 50 | 26340 | 40.2 | 38.7 | 88 | 10 | 3 | CUFRA | 25 | 10 | SC | E50 | 10 | | | | | | | | 10 | 3 | .030 | | | 21-22 |
| 22 50 | 26350 | 38.8 | 37.7 | 91 | 10 | | | | | | | | | | | | | | | 10 | | | | | 22-23 |
| 23 50 | 26360 | 39.0 | 38.0 | 92 | 10 | | | | | | | | | | | | | | | 10 | | | | | 23-24 |

## SYNOPTIC OBSERVATIONS

| TIME (G.M.T.) 41 | TIME (L.S.T.) 42 | NO. 43 | PRECIP. (Ins.) 44 | SNOW FALL (Ins.) 45 | SNOW DEPTH (Ins.) 46 | MAX. TEMP. (°F) 47 | MIN. TEMP. (°F) 48 | PRECIP. ORIGIN 49 | STATE OF GRND. 50 | 51 | 52 | 53 | 54 | 55 | SOIL TEMP. 56 | 57 | 58 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MID. TO 0346 | X | .07 | 0 | X | 49 | 44 | X | X | | | | | | X | | |
| | 0346 | 1 | .14 | 0 | 0 | 49 | 43 | | 2 | | | | | | | | |
| | 0947 | 2 | 0 | 0 | 0 | 46 | 43 | | 1 | | | | | | | | |
| | 1548 | 3 | .03 | 0 | 0 | 46 | 41 | | 1 | | | | | | | | |
| | 2144 | 4 | .06 | 0 | 0 | 43 | 38 | | 1 | | | | | | | | |
| | MID. | X | .02 | 0 | 0 | 40 | 38 | X | X | | | | | | X | | |

## STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0348 | 0949 | 1549 | 2149 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26245 | 26325 | 26280 | 26340 |
| BAROGRAPH 64 | 26240 | 26325 | 26.480 | 26340 |
| BAR. CORR. 65 | +.005 | ±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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 49 | 38 | 0.20 | 0 | 0 | 24 | S | 0223 | | | | | 10 | | | |

## WEATHER & OBSTRUCTIONS TO VISION

| TYPE 82 | BEGAN 83 | ENDED 84 | TYPE 86 | BEGAN 87 | ENDED 88 |
|---|---|---|---|---|---|
| R- | CONT | 0315 | | | |
| RW- | 1032 | 1130 | | | |
| R- | 1130 | 1215 | | | |
| R- | 1335 | 2025 | | | |
| R- | 2220 | CONT | | | |

## 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:

MF1-10B

☆ U.S.GPO:1977-0-765-005/1131

MF1-10A
1-77.

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

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: 1978 NOV 12

TO CONVERT LST TO GMT ADD 8 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) | NOS SERIES INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R | 0050 | E25 OVC | 10 | | R- | 074 | 38 | 37 | 24 | 04 | | 975 | 21001 17// | RC |
| RS | 0150 | 25SCT E50BKN | 20 | | | 081 | 38 | 35 | 26 | 03 | | 978 | RE35 Moon DMLY USBL | RC |
| RS | 0250 | 25SCT 180 -BKN | 20 | | | 090 | 38 | 33 | 22 | 07 | | 980 | | RC |
| R | 0350 | 25 SCT E100 BKN | 20 | | | 099 | 38 | 33 | 23 | 07 | | 982 | 32005 1770 38 20016 | RD |
| — | | | — | | | — | | | | | | — | RADAT 80047 | — |
| R | 0448 | 25 SCT E100 BKN | 20 | | | 108 | 37 | 32 | 21 | 08 | | 984 | | RD |
| R | 0547 | 25 SCT E50 BKN | 20 | | | 119 | 36 | 32 | 24 | 07 | | 987 | | RD |
| R | 0650 | 30 SCT E50 BKN | 20 | | | 124 | 36 | 32 | 23 | 11 | | 989 | 220 1700 | RD |
| R | 0750 | 25 SCT E50 BKN | 20 | | | 137 | 38 | 32 | 22 | 11 | | 993 | | RD |
| R | 0852 | 20 SCT E50 BKN | 20 | | | 148 | 38 | 32 | 23 | 10 | | 997 | | RD |
| R | 0950 | 25 SCT E50 BKN | 20 | | | 154 | 42 | 28 | 24 | 10 | | 999 | 230 1700 35 | RD |
| R | 1051 | 30 SCT E50 BKN | 20 | | | 150 | 44 | 30 | 21 | 10 | | 998 | | RD |
| R | 1151 | 50 SCT | 20 | | | 145 | 45 | 30 | 23 | 15 | | 996 | | RD |
| R | 1250 | 50 SCT | 20 | | | 133 | 46 | 32 | 23 | 12 | G21 | 993 | 719 1500 | RD |
| R | 1350 | 45 SCT | 20 | | | 125 | 47 | 32 | 22 | 17 | G24 | 991 | | RD |
| R | 1450 | 45 SCT | 20 | | | 127 | 47 | 31 | 21 | 19 | G26 | 991 | PK WND 2128/17 | RD |
| R | 1552 | 30 SCT | 20 | | | 134 | 47 | 28 | 19 | 15 | | 993 | 302 1500 48 RADAT 65063 | JD |
| R | 1647 | CLR | 20 | | | 136 | 45 | 25 | 16 | 09 | | 993 | | JD |
| R | 1748 | CLR | 20 | | | 138 | 44 | 26 | 19 | 04 | | 993 | | JD |
| R | 1846 | CLR | 20 | | | 145 | 44 | 28 | 10 | 03 | | 995 | 307 | JD |
| R | 1947 | CLR | 20 | | | 141 | 41 | 29 | 11 | 08 | | 994 | | JD |
| R | 2046 | CLR | 20 | | | 140 | 40 | 31 | 07 | 02 | | 994 | | JD |
| R | 2148 | CLR | 20 | | | 148 | 37 | 31 | 03 | 06 | | 996 | 302 48 | JD |
| R | 2247 | CLR | 20 | | | 143 | 37 | 29 | 32 | 03 | | 995 | | JD |
| R | 2347 | CLR | 20 | | | 146 | 35 | 30 | 32 | 04 | | 995 | | JD |

A synoptic observation, in WMO code format FM11D, is entered on line following related aviation observation.

FM11D: IIiii Nddff VVwwW PPPTT $N_hC_LhC_MC_H$ $T_dT_dapp$ $6P_oP_oP_oP_o$ $7RRR_{rs}$ $8N_sCh$ $h_s$ $9SpSpspsp$ $2R_{24}R_{24}R_{24}R_{24}$ $3P_wP_wH_wH_w$ $d_wd_wP_wH_wH_w$ $4T_xT_xT_nT_n$

☆ U.S.GPO:1977-0-765-005/1111

MF1-10B
(2-77)

U. S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV
DATE: 1978 NOV 1 2
To convert LST to GMT ADD 8 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 | 26.370 | 38.4 | 37.6 | 95 | 10 | 10 | CuFra | E25 | | | | | | | | | | | | 10 | 2 | .030 | | | 00-01 |
| 01 50 | 26.390 | 38.2 | 36.9 | 89 | 8 | | | | | | | | | | | | | | | 6 | | | | | 01-02 |
| 02 50 | 26.410 | 38.3 | 35.9 | 81 | 7 | | | | | | | | | | | | | | | 4 | | | | | 02-03 |
| 03 50 | 26.430 | 38.0 | 35.6 | 81 | 7 | 3 | CuFra | 25 | 4 | Ac | E100 | 7 | | | | | | | | 7 | 3 | .060 | | | 03-04 |
| 04 48 | 26.450 | 37.0 | 35.0 | 83 | 7 | | | | | | | | | | | | | | | 7 | | | | | 04-05 |
| 05 47 | 26.475 | 35.8 | 34.0 | 84 | 8 | | | | | | | | | | | | | | | 8 | | | | | 05-06 |
| 06 50 | 26.490 | 36.0 | 34.2 | 85 | 8 | 4 | CuFra | 30 | 4 | Sc | E50 | 8 | | | | | | | | 8 | 2 | .060 | | | 06-07 |
| 07 50 | 26.530 | 38.4 | 35.4 | 76 | 7 | | | | | | | | | | | | | | | 7 | | | | | 07-08 |
| 08 52 | 26.560 | 38.4 | 35.6 | 72 | 7 | | | | | | | | | | | | | | | 7 | | | | | 08-09 |
| 09 50 | 26.580 | 42.0 | 36.0 | 57 | 6 | 2 | CuFra | 25 | 4 | Sc | E50 | 6 | | | | | | | | 6 | 2 | .090 | | | 09-10 |
| 10 51 | 26.570 | 44.2 | 38.0 | 58 | 7 | | | | | | | | | | | | | | | 7 | | | | | 10-11 |
| 11 51 | 26.550 | 45.0 | 38.2 | 54 | 4 | | | | | | | | | | | | | | | 4 | | | | | 11-12 |
| 12 50 | 26.525 | 46.4 | 40.0 | 58 | 3 | 3 | Sc | 50 | | | | | | | | | | | | 3 | 7 | .055 | | | 12-13 |
| 13 50 | 26.505 | 47.0 | 40.0 | 55 | 2 | | | | | | | | | | | | | | | 2 | | | | | 13-14 |
| 14 50 | 26.510 | 47.2 | 40.0 | 54 | 2 | | | | | | | | | | | | | | | 2 | | | | | 14-15 |
| 15 52 | 26.530 | 46.9 | 38.7 | 47 | 1 | 1 | Sc | 30 | | | | | | | | | | | | 1 | 3 | .005 | | | 15-16 |
| 16 47 | 26.530 | 45.3 | 37.0 | 45 | 0 | | | | | | | | | | | | | | | 0 | | | | | 16-17 |
| 17 48 | 26.530 | 43.5 | 36.3 | 50 | 0 | | | | | | | | | | | | | | | 0 | | | | | 17-18 |
| 18 48 | 26.550 | 43.6 | 36.8 | 53 | 0 | | | | | | | | | | | | | | | 0 | 3 | .020 | | | 18-19 |
| 19 47 | 26.540 | 41.0 | 35.8 | 61 | 0 | | | | | | | | | | | | | | | 0 | | | | | 19-20 |
| 20 46 | 26.540 | 40.0 | 35.9 | 69 | 0 | | | | | | | | | | | | | | | 0 | | | | | 20-21 |
| 21 48 | 26.555 | 37.4 | 34.5 | 76 | 0 | | | | | | | | | | | | | | | 0 | 3 | .005 | | | 21-22 |
| 22 47 | 26.550 | 37.2 | 33.9 | 73 | 0 | | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 23 47 | 26.550 | 35.1 | 32.9 | 81 | 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 | PRECIP. ORIGIN 49 | STATE OF GRND. 50 | 51 | 52 | 53 | 54 | 55 | SOIL TEMP. 56 | 57 | 58 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MID. TO 0344 | X | .03 | 0 | X | 39 | 38 | X | X | | | | | | X | | |
| | 0344 | 1 | 0.05 | 0 | 0 | 40 | 38 | | 1 | | | | | | | | |
| | 0944 | 2 | 0 | 0 | 0 | 42 | 35 | | 1 | | | | | | | | |
| | 1546 | 3 | 0 | 0 | 0 | 48 | 42 | | 1 | | | | | | | | |
| | 2144 | 4 | 0 | 0 | 0 | 47 | 36 | | 1 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 37 | 34 | X | X | | | | | | X | | |

## STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0348 | 0949 | 1551 | 2146 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.430 | 26.580 | 26.530 | 26.555 |
| BAROGRAPH 64 | 26.425 | 26.580 | 26.535 | 26.545 |
| BAR. CORR. 65 | +.005 | ±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 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 48 | 34 | .03 | 0 | 0 | 28 | SW | 1417 | | | | | 5 | | | |

## WEATHER & OBSTRUCTIONS TO VISION

| TYPE 82 | BEGAN 83 | ENDED 84 | TYPE 86 | BEGAN 87 | ENDED 88 |
|---|---|---|---|---|---|
| R- | Cont | 0135 | | | |

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:

MF1-10B

☆ U.S.GPO:1977-0-765-005/1131

MF1-10A
(1-77)

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

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: 1978 NOV 13

TO CONVERT LST TO GMT ADD 8 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) | ALTIM. ETER SETTING (Ins.) (12) | REMARKS AND SUPPLEMENTAL CODED DATA (13) | OB. SERVER'S INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R | 0049 | CLR | 20 | | | 148 | 37 | 28 | 35 | 06 | | 996 | 002 1050 | JD |
| R | 0147 | CLR | 20 | | | 146 | 36 | 29 | 36 | 06 | | 996 | | JD |
| R | 0247 | CLR | 20 | | | 145 | 36 | 28 | 02 | 06 | | 996 | | JD |
| R | 0350 | CLR | 20 | | | 148 | 34 | 29 | 05 | 02 | | 997 | 500 1050 33 RADAT 63057 | RD |
| R | 0449 | 90 SCT | 20 | | | 151 | 33 | 29 | 04 | 02 | | 997 | | RD |
| R | 0549 | 50 SCT | 20 | | | 154 | 31 | 28 | 00 | 00 | | 997 | | RD |
| R | 0650 | 50 SCT 90 SCT | 20 | | | 159 | 32 | 29 | 35 | 02 | | 999 | 307 1550 | RD |
| R | 0749 | 50 SCT E90 BKN | 20 | | | 165 | 34 | 30 | 22 | 02 | | 000 | | RD |
| R | 0850 | 50 SCT E80 BKN | 20 | | | 162 | 40 | 28 | 34 | 03 | | 000 | | RD |
| R | 0952 | 50 SCT E80 BKN | 20 | | | 165 | 41 | 32 | 21 | 02 | | 000 | 105 1570 31 | RD |
| R | 1051 | 50 SCT E80 BKN | 20 | | | 157 | 45 | 29 | 23 | 03 | | 999 | | RD |
| R | 1150 | E50 BKN 80 OVC | 20 | | | 155 | 45 | 28 | 22 | 03 | | 998 | | RD |
| R | 1250 | E50 BKN 80 OVC | 20 | | | 151 | 44 | 30 | 23 | 04 | | 997 | 712 1571 | RD |
| R | 1348 | E45 BKN 80 OVC | 20 | | RW- | 149 | 42 | 34 | 19 | 08 | | 996 | RB24 MTN TOPS OBSCD S | RD |
| R | 1448 | E45 BKN 80 OVC | 20 | | RW- | 143 | 40 | 35 | 16 | 02 | | 994 | MTN TOPS OBSCD NE S | JD |
| R | 1547 | E45 BKN | 20 | | | 145 | 41 | 36 | 31 | 02 | | 994 | RE40 MTN TPS OBSCD NE S | RD |
| — | | | — | | | — | — | | | | | — | /60701 1500 45 RADAT | — |
| — | | | — | | | — | — | | | | | — | 80053 | — |
| R | 1647 | E45 OVC | 20 | | | 143 | 41 | 36 | 33 | 04 | | 994 | MTN TOPS OBSCD NE S | JD |
| R | 1747 | E60 BKN | 20 | | | 148 | 40 | 35 | 01 | 04 | | 995 | | JD |
| R | 1849 | E70 OVC | 20 | | | 151 | 41 | 34 | 02 | 07 | | 996 | BINOVC 305 1030 | JD |
| R | 1947 | E60 OVC | 20 | | | 152 | 41 | 36 | 05 | 02 | | 996 | | JD |
| R | 2047 | E40 OVC | 20 | | RW- | 148 | 40 | 36 | 01 | 06 | | 996 | RB09 | JD |
| R | 2150 | E35 OVC | 20 | | RW- | 149 | 38 | 35 | 01 | 08 | | 996 | RE36B45 10208 1511 45 | JD |
| R | 2247 | E45 OVC | 20 | | | 145 | 38 | 34 | 02 | 12 | | 996 | RE02 | JD |
| R | 2348 | E45 OVC | 20 | | | 148 | 38 | 34 | 01 | 08 | | 997 | | JD |

A synoptic observation, in WMO code format FM11D, is entered on line following related aviation observation.

FM11D: Iiiii Nddff VVwwW PPPTT $N_hC_LhC_MC_H$ $T_dT_dapp$ $6P_oP_oP_oP_o$ 7RRR.s $8N_sCh$ $h_s$ 9SpSpspsp $2R_{24}R_{24}R_{24}R_{24}$ $3P_wP_wH_wH_w$ $d_wd_wP_wH_wH_w$ $4T_xT_xT_nT_n$

☆ U.S. GPO:1977-0-765-005/1111

MF1-10B
(2-77)

U. S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: 1978 NOV 13

To convert LST to GMT ADD 8 hrs.

| TIME (L.S.T.) 16 | STATION PRESSURE (Ins.) 17 | DRY BULB (°F) 18 | WET BULB (°F) 19 | REL. HUMIDITY (%) 20 | TOTAL SKY COVER 21 | LOWEST LAYER AMT. 22 | LOWEST LAYER TYPE 23 | LOWEST LAYER HEIGHT 24 | SECOND LAYER AMT. 25 | SECOND LAYER TYPE 26 | SECOND LAYER HEIGHT 27 | SUMMATION TOTAL 28 | THIRD LAYER AMT. 29 | THIRD LAYER TYPE 30 | THIRD LAYER HEIGHT 31 | SUMMATION TOTAL 32 | FOURTH LAYER AMT. 33 | FOURTH LAYER TYPE 34 | FOURTH LAYER HEIGHT 35 | TOTAL OPAQUE SKY COVER 36 | PRESSURE TENDENCY 37 | NET 3-HR. CHANGE (Ins.) 38 | SUNSHINE (Min.) 39 | PRECIPITATION (Ins.) 40 | HR. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00 49 | 26.560 | 37.0 | 33.2 | 69 | 0 | 0 | Ac | 80 | | | | | | | | | | | | 0 | 0 | .005 | | | 00-01 |
| 01 47 | 26.560 | 35.9 | 32.9 | 74 | 0 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 47 | 26.555 | 36.0 | 32.9 | 74 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 50 | 26.560 | 34.0 | 31.8 | 80 | 0 | 0 | Ac | 90 | | | | | | | | | | | | 0 | 5 | .000 | | | 03-04 |
| 04 49 | 26.560 | 32.6 | 31.0 | 85 | 1 | | | | | | | | | | | | | | | 1 | | | | | 04-05 |
| 05 49 | 26.565 | 31.2 | 30.2 | 89 | 2 | | | | | | | | | | | | | | | 2 | | | | | 05-06 |
| 06 50 | 26.580 | 32.4 | 31.0 | 88 | 3 | 3 | Sc | 50 | 0 | Ac | 90 | 3 | | | | | | | | 2 | 3 | .020 | | | 06-07 |
| 07 49 | 26.595 | 34.0 | 32.4 | 85 | 8 | | | | | | | | | | | | | | | 7 | | | | | 07-08 |
| 08 50 | 26.595 | 40.0 | 35.1 | 63 | 8 | | | | | | | | | | | | | | | 8 | | | | | 08-09 |
| 09 52 | 26.595 | 41.2 | 37.0 | 69 | 9 | 2 | Sc | 50 | 7 | Ac | 80 | 9 | | | | | | | | 9 | 1 | .015 | | | 09-10 |
| 10 51 | 26.585 | 44.7 | 38.0 | 54 | 9 | | | | | | | | | | | | | | | 9 | | | | | 10-11 |
| 11 50 | 26.570 | 44.8 | 37.7 | 52 | 10 | | | | | | | | | | | | | | | 10 | | | | | 11-12 |
| 12 50 | 26.560 | 44.0 | 38.0 | 59 | 10 | 6 | Sc | E50 | 4 | Ac | 80 | 10 | | | | | | | | 10 | 7 | .035 | | | 12-13 |
| 13 48 | 26.555 | 42.0 | 38.2 | 72 | 10 | | | | | | | | | | | | | | | 10 | | | | | 13-14 |
| 14 48 | 26.540 | 40.0 | 37.8 | 83 | 10 | | | | | | | | | | | | | | | 10 | | | | | 14-15 |
| 15 47 | 26.540 | 41.0 | 38.8 | 84 | 9 | 9 | Sc | E45 | | | | | | | | | | | | 9 | 6 | .020 | | | 15-16 |
| 16 47 | 26.535 | 41.1 | 38.5 | 81 | 10 | | | | | | | | | | | | | | | 10 | | | | | 16-17 |
| 17 47 | 26.545 | 40.2 | 37.8 | 82 | 9 | | | | | | | | | | | | | | | 9 | | | | | 17-18 |
| 18 49 | 26.555 | 40.8 | 37.5 | 75 | 10 | 10 | Ac | E70 | | | | | | | | | | | | 10 | 3 | .015 | | | 18-19 |
| 19 47 | 26.560 | 40.6 | 38.4 | 83 | 10 | | | | | | | | | | | | | | | 10 | | | | | 19-20 |
| 20 47 | 26.560 | 40.0 | 38.2 | 86 | 10 | | | | | | | | | | | | | | | 10 | | | | | 20-21 |
| 21 50 | 26.560 | 37.9 | 36.7 | 90 | 10 | 10 | Sc | E35 | | | | | | | | | | | | 10 | 1 | .005 | | | 21-22 |
| 22 47 | 26.555 | 37.9 | 36.2 | 86 | 10 | | | | | | | | | | | | | | | 10 | | | | | 22-23 |
| 23 48 | 26.565 | 37.8 | 36.2 | 87 | 10 | | | | | | | | | | | | | | | 10 | | | | | 23-24 |

## SYNOPTIC OBSERVATIONS

| TIME (G.M.T.) 41 | TIME (L.S.T.) 42 | NO. 43 | PRECIP. (Ins.) 44 | SNOW FALL (Ins.) 45 | SNOW DEPTH (Ins.) 46 | MAX. TEMP. (°F) 47 | MIN. TEMP. (°F) 48 | PRECIP. ORIGIN 49 | STATE OF GRND. 50 | 51 | 52 | 53 | 54 | 55 | SOIL TEMP. 56 | 57 | 58 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MID. TO 0345 | X | 0 | 0 | X | 37 | 33 | X | X | | | | | | X | | |
| | 0345 | 1 | 0 | 0 | 0 | 37 | 33 | | 0 | | | | | | | | |
| | 0945 | 2 | 0 | 0 | 0 | 41 | 31 | | 0 | | | | | | | | |
| | 1544 | 3 | 0.01 | 0 | 0 | 45 | 39 | | 1 | | | | | | | | |
| | 2145 | 4 | .08 | 0 | 0 | 41 | 37 | | 1 | | | | | | | | |
| | MID. | X | T | 0 | 0 | 38 | 37 | X | X | | | | | | X | | |

## STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0349 | 0951 | 1546 | 2149 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.560 | 26.585 | 26.540 | 26.560 |
| BAROGRAPH 64 | 26.555 | 26.595 | 26.545 | 26.565 |
| BAR. CORR. 65 | +.005 | 0 | -.005 | -.005 |

## SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

| 24-HR. MAX. TEMP. (°F) 66 | 24-HR. MIN. TEMP. (°F) 67 | 24-HR. PRECIP. WATER EQUIV. (Ins.) 68 | 24-HR. SNOWFALL 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 45 | 31 | .09 | 0 | 0 | 14 | N | 2258 | | | | | 9 | | | |

## WEATHER & OBSTRUCTIONS TO VISION

| TYPE 82 | BEGAN 83 | ENDED 84 | TYPE 86 | BEGAN 87 | ENDED 88 |
|---|---|---|---|---|---|
| RW- | 1324 | 1540 | | | |
| RW- | 2009 | 2136 | | | |
| RW- | 2145 | 2202 | | | |

## 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:

CHANGED AND RESET MICROBAROGRAPH TO ZERO AT 1250 LST



☆ U.S.GPO:1977-0-765-005/1131

MF1-10A
(1-77)

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

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: 1978 NOV 14

TO CONVERT LST TO GMT ADD 8 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) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R | 0048 | E45 OVC | 20 | | | 149 | 37 | 34 | 02 | 11 | | 997 | 20200 1511 | JD |
| R | 0147 | E45 OVC | 20 | | | 146 | 36 | 33 | 02 | 16 | | 995 | | JD |
| R | 0246 | E45 OVC | 20 | | | 149 | 36 | 33 | 02 | 14 | | 996 | | JD |
| R | 0350 | E40 BKN | 20 | | | 148 | 36 | 31 | 05 | 08 | | 996 | 60300 1500 35 20009 | RD |
| — | | | — | | | — | — | | | | | — | RADAT 87051 | — |
| R | 0449 | E40 BKN | 20 | | | 151 | 37 | 32 | 03 | 04 | | 997 | | RD |
| R | 0552 | E40 BKN | 20 | | | 153 | 37 | 31 | 02 | 07 | | 997 | | RD |
| R | 0651 | 20 SCT E40 BKN | 20 | | | 158 | 37 | 28 | 01 | 11 | | 999 | MTN TPS OBSCD E S SWW SE | RD |
| — | | | — | | | — | — | | | | | — | 1208 1500 | — |
| R | 0749 | 15 SCT E40 BKN | 20 | | | 165 | 37 | 26 | 03 | 08 | | 001 | MTN TPS OBSCD E S | RD |
| R | 0849 | 40 SCT 180 -BKN | 20 | | | 166 | 39 | 26 | 03 | 12 | | 002 | MTN TPS OBSCD E S | RD |
| R | 0949 | 40 SCT 200 -BKN | 20 | | | 169 | 40 | 23 | 01 | 12 | | 002 | MTN TPS OBSCD S /008 | RD |
| — | | | — | | | — | — | | | | | — | 1501 35 | — |
| R | 1050 | 40 SCT | 20 | | | 168 | 44 | 20 | 36 | 11 | | 003 | MTN TPS OBSCD S | RD |
| R | 1148 | 40 SCT 200 SCT | 20 | | | 159 | 44 | 24 | 01 | 09 | | 000 | MTN TPS OBSCD S | RD |
| R | 1250 | 40 SCT 200 SCT | 20 | | | 153 | 46 | 24 | 03 | 10 | | 998 | MTN TPS OBSCD S/810 1501 | RD |
| R | 1349 | 45 SCT | 20 | | | 150 | 46 | 24 | 36 | 12 | | 998 | MTN TPS PTLY OBSCD S | RD |
| R | 1450 | E45 BKN | 20 | | | 153 | 47 | 22 | 01 | 10 | | 998 | | RD |
| R | 1547 | 45 SCT E70 BKN | 20 | | | 153 | 46 | 23 | 04 | 10 | | 998 | 500 1530 47 RADAT 56058 | JD |
| R | 1648 | 45 SCT 70 -BKN | 20 | | | 156 | 45 | 23 | 01 | 09 | | 999 | | JD |
| R | 1747 | 70 -SCT | 20 | | | 164 | 43 | 24 | 03 | 06 | | 001 | | JD |
| R | 1849 | 70 SCT 170 SCT | 20 | | | 171 | 41 | 25 | 03 | 06 | | 003 | 214 1570 | JD |
| R | 1947 | 70 SCT 170 SCT | 20 | | | 173 | 39 | 26 | 04 | 05 | | 003 | | JD |
| R | 2047 | CLR | 20 | | | 175 | 39 | 25 | 23 | 02 | | 004 | | JD |
| R | 2147 | 170 -SCT | 20 | | | 177 | 38 | 26 | 02 | 08 | | 004 | 205 1070 47 | JD |
| R | 2247 | 170 SCT | 20 | | | 180 | 35 | 27 | 03 | 07 | | 005 | | JD |
| R | 2346 | CLR | 20 | | | 180 | 36 | 26 | 01 | 06 | | 006 | | JD |

A synoptic observation, in WMO code format FM11D, is entered on line following related aviation observation.

FM11D: Iiiii Nddff VVwwW PPPTT $N_hC_LhC_MC_H$ $T_dT_dopp$ $6P_oP_oP_oP_o$ 7RRR.s $8N_sCh$ $h_s$ $9S_pS_psp_sp$ $2R_{24}R_{24}R_{24}R_{24}$ $3P_wP_wH_wH_w$ $d_wd_wP_wH_wH_w$ $4T_xT_xT_nT_n$

☆ U.S. GPO:1977-0-765-005/1111

MF1-10B
(2-77)

U. S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: 1978 NOV 14

To convert LST to GMT ADD 8 hrs.

| TIME (L.S.T.) 16 | STATION PRESSURE (Ins.) 17 | DRY BULB (°F) 18 | WET BULB (°F) 19 | REL. HUMIDITY (%) 20 | TOTAL SKY COVER 21 | LOWEST LAYER AMT. 22 | LOWEST LAYER TYPE 23 | LOWEST LAYER HEIGHT 24 | SECOND LAYER AMT. 25 | SECOND LAYER TYPE 26 | SECOND LAYER HEIGHT 27 | SUMMATION TOTAL 28 | THIRD LAYER AMT. 29 | THIRD LAYER TYPE 30 | THIRD LAYER HEIGHT 31 | SUMMATION TOTAL 32 | FOURTH LAYER AMT. 33 | FOURTH LAYER TYPE 34 | FOURTH LAYER HEIGHT 35 | TOTAL OPAQUE SKY COVER 36 | PRESSURE TENDENCY 37 | NET 3-HR. CHANGE (Ins.) 38 | SUNSHINE (Min.) 39 | PRECIPITATION (Ins.) 40 | HR. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00 48 | 26.565 | 37.1 | 35.6 | 88 | 10 | 10 | SC | E45 | | | | | | | | | | | | 10 | 2 | .005 | | | 00-03 |
| 01 47 | 26.550 | 36.0 | 34.8 | 90 | 10 | | | | | | | | | | | | | | | 10 | | | | | 01-02 |
| 02 46 | 26.555 | 36.0 | 34.5 | 87 | 10 | | | | | | | | | | | | | | | 10 | | | | | 02-03 |
| 03 50 | 26.555 | 36.0 | 34.0 | 83 | 8 | 8 | SC | E40 | | | | | | | | | | | | 8 | 6 | .010 | | | 03-04 |
| 04 49 | 26.560 | 36.8 | 34.6 | 82 | 8 | | | | | | | | | | | | | | | 8 | | | | | 04-05 |
| 05 52 | 26.565 | 37.0 | 34.5 | 79 | 8 | | | | | | | | | | | | | | | 8 | | | | | 05-06 |
| 06 51 | 26.580 | 36.7 | 33.2 | 71 | 9 | 1 | CFM | 20 | 8 | SC | E40 | 9 | | | | | | | | 9 | 2 | .025 | | | 06-07 |
| 07 49 | 26.600 | 37.4 | 32.8 | 63 | 8 | | | | | | | | | | | | | | | 8 | | | | | 07-08 |
| 08 49 | 26.610 | 39.2 | 33.8 | 59 | 7 | | | | | | | | | | | | | | | 3 | | | | | 08-09 |
| 09 47 | 26.605 | 40.0 | 33.5 | 51 | 7 | 2 | SC | 40 | 5 | CI | 200 | 7 | | | | | | | | 2 | 0 | .025 | | | 09-10 |
| 10 50 | 26.615 | 43.7 | 34.6 | 39 | 5 | | | | | | | | | | | | | | | 5 | | | | | 10-11 |
| 11 48 | 26.590 | 44.0 | 35.8 | 44 | 5 | | | | | | | | | | | | | | | 3 | | | | | 11-12 |
| 12 50 | 26.575 | 45.8 | 36.8 | 41 | 5 | 4 | SC | 40 | 1 | CI | 200 | 5 | | | | | | | | 4 | 8 | .030 | | | 12-13 |
| 13 49 | 26.570 | 46.3 | 37.2 | 41 | 5 | | | | | | | | | | | | | | | 5 | | | | | 13-14 |
| 14 50 | 26.575 | 47.0 | 37.0 | 37 | 6 | | | | | | | | | | | | | | | 6 | | | | | 14-15 |
| 15 47 | 26.575 | 46.3 | 36.9 | 40 | 9 | 3 | SC | 45 | 6 | AC | E70 | 9 | | | | | | | | 8 | 5 | .000 | | | 15-16 |
| 16 48 | 26.585 | 44.7 | 36.0 | 42 | 7 | | | | | | | | | | | | | | | 2 | | | | | 16-17 |
| 17 47 | 26.600 | 42.5 | 35.1 | 48 | 2 | | | | | | | | | | | | | | | 0 | | | | | 17-18 |
| 18 49 | 26.615 | 40.8 | 34.5 | 54 | 3 | 0 | SC | 45 | 2 | AC | 70 | 2 | 1 | AC | 170 | 3 | | | | 2 | 2 | .040 | | | 18-19 |
| 19 47 | 26.620 | 39.1 | 33.9 | 59 | 1 | | | | | | | | | | | | | | | 1 | | | | | 19-20 |
| 20 47 | 26.625 | 38.5 | 33.2 | 58 | 0 | | | | | | | | | | | | | | | 0 | | | | | 20-21 |
| 21 47 | 26.630 | 38.0 | 33.2 | 62 | 1 | 0 | AC | 70 | 1 | AC | 170 | 1 | | | | | | | | 0 | 2 | .015 | | | 21-22 |
| 22 47 | 26.640 | 35.3 | 31.8 | 70 | 1 | | | | | | | | | | | | | | | 1 | | | | | 22-23 |
| 23 46 | 26.645 | 36.0 | 32.1 | 67 | 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 | PRECIP. ORIGIN 49 | STATE OF GRND. 50 | 51 | 52 | 53 | 54 | 55 | SOIL TEMP. 56 | 57 | 58 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MID. TO 0345 | X | 0. | 0 | X | 38 | 35 | X | X | | | | | | X | | |
| | 0345 | 1 | T | 0 | 0 | 38 | 35 | | 1 | | | | | | | | |
| | 0943 | 2 | 0 | 0 | 0 | 40 | 35 | | 1 | | | | | | | | |
| | 1544 | 3 | 0 | 0 | 0 | 47 | 40 | | 1 | | | | | | | | |
| | 2144 | 4 | 0 | 0 | 0 | 46 | 36 | | 1 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 38 | 34 | X | X | | | | | | X | | |

## STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0349 | 0946 | 1546 | 2146 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.555 | 26.565 | 26.575 | 26.630 |
| BAROGRAPH 64 | 26.560 | 26.620 | 26.600 | 26.645 |
| BAR. CORR. 65 | -.005 | -.015 | -.025 | -.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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 47 | 34 | 0 | 0 | 0 | 21 | N | 0204 | | | | | 7 | | | |

## WEATHER & OBSTRUCTIONS TO VISION

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

## 90. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE SUNSET

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

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

TIME CHECK:

MF1-10B

☆ U.S.GPO:1977-0-765-005/1131

MF1-10A
(1-77)

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

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: 1978 NOV 15

TO CONVERT LST TO GMT ADD 8 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) | ALTIM. ETER SETTING (Ins.) (12) | REMARKS AND SUPPLEMENTAL CODED DATA (13) | OB. SERVER'S INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R | 0047 | CLR | 20 | | | 180 | 35 | 26 | 04 | 07 | | 006 | 105 1070 | JD |
| R | 0147 | CLR | 20 | | | 181 | 35 | 24 | 05 | 07 | | 006 | | JD |
| R | 0246 | CLR | 20 | | | 182 | 35 | 24 | 36 | 09 | | 006 | | JD |
| R | 0345 | CLR | 20 | | | 184 | 35 | 24 | 02 | 10 | | 007 | 3023 1070 34 | RK |
| / | | | | | | | | | | | | | RADAT 56054 | / |
| R | 0448 | CLR | 20 | | | 188 | 35 | 24 | 02 | 10 | | 008 | | RK |
| R | 0548 | CLR | 20 | | | 195 | 36 | 21 | 02 | 10 | | 010 | | RK |
| R | 0647 | CLR | 20 | | | 203 | 37 | 21 | 02 | 13 | | 012 | 215 1100 | RK |
| R | 0749 | CLR | 20 | | | 212 | 39 | 21 | 36 | 10 | | 014 | | RK |
| R | 0846 | CLR | 20 | | | 217 | 42 | 19 | 02 | 10 | | 016 | | RK |
| R | 0948 | CLR | 20 | | | 220 | 44 | 21 | 36 | 10 | | 017 | 117 33 | RK |
| R | 1048 | CLR | 20 | | | 216 | 47 | 23 | 35 | 10 | | 016 | | RK |
| R | 1147 | CLR | 20 | | | 206 | 49 | 22 | 03 | 08 | | 014 | | RK |
| R | 1248 | CLR | 20 | | | 202 | 51 | 18 | 06 | 05 | | 013 | 814 | RK |
| R | 1345 | CLR | 20 | | | 197 | 52 | 22 | 36 | 04 | | 012 | | RK |
| R | 1445 | CLR | 20 | | | 197 | 53 | 23 | 11 | 07 | | 012 | | RK |
| R | 1545 | CLR | 20 | | | 205 | 51 | 21 | 11 | 10 | | 014 | 303 54 RADAT 49073 | LEF |
| R | 1648 | CLR | 20 | | | 210 | 47 | 25 | 10 | 07 | | 015 | | LEF |
| R | 1749 | CLR | 20 | | | 214 | 47 | 23 | 09 | 11 | | 016 | | LEF |
| R | 1850 | CLR | 20 | | | 224 | 42 | 27 | 09 | 07 | | 018 | 212 | LEF |
| R | 1949 | CLR | 20 | | | 228 | 39 | 27 | 33 | 04 | | 018 | | LEF |
| R | 2050 | CLR | 20 | | | 234 | 40 | 28 | 34 | 02 | | 022 | | LEF |
| R | 2150 | CLR | 20 | | | 235 | 37 | 26 | 09 | 05 | | 022 | 212 54 | LEF |
| R | 2250 | CLR | 20 | | | 235 | 37 | 26 | 09 | 03 | | 022 | | LEF |
| R | 2349 | CLR | 20 | | | 239 | 34 | 27 | 30 | 01 | | 023 | | LEF |

A synoptic observation, in WMO code format FM11D, is entered on line following related aviation observation.

FM11D: Iliii Nddff VVwwW PPPTT $N_hC_LhC_MC_H$ $T_dT_dapp$ $6P_oP_oP_oP_o$ 7RRR.s $8N_sCh$ $h_s$ 9SpSpspsp $2R_{24}R_{24}R_{24}R_{24}$ $3P_wP_wH_wH_w$ $d_wd_wP_wH_wH_w$ $4T_xT_xT_nT_n$

☆ U.S.GPO:1977-0-765-005/1111

MF1-10B
(2-77)

U. S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: 1978 NOV 15

To convert LST to GMT ADD 8 hrs.

| TIME (L.S.T.) 16 | STATION PRESSURE (Ins.) 17 | DRY BULB (°F) 18 | WET BULB (°F) 19 | REL. HUMIDITY (%) 20 | TOTAL SKY COVER 21 | LOWEST LAYER AMT. 22 | LOWEST LAYER TYPE 23 | LOWEST LAYER HEIGHT 24 | SECOND LAYER AMT. 25 | SECOND LAYER TYPE 26 | SECOND LAYER HEIGHT 27 | SUMMATION TOTAL 28 | THIRD LAYER AMT. 29 | THIRD LAYER TYPE 30 | THIRD LAYER HEIGHT 31 | SUMMATION TOTAL 32 | FOURTH LAYER AMT. 33 | FOURTH LAYER TYPE 34 | FOURTH LAYER HEIGHT 35 | TOTAL OPAQUE SKY COVER 36 | PRESSURE TENDENCY 37 | NET 3-HR. CHANGE (Ins.) 38 | SUNSHINE (Min.) 39 | PRECIPITATION (Ins.) 40 | HR. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00 47 | 26.645 | 35.3 | 31.7 | 69 | 0 | 0 | Ac | 70 | 0 | Ac | 170 | 0 | | | | | | | | 0 | 1 | .015 | | | 00-01 |
| 01 47 | 26.650 | 35.4 | 31.1 | 63 | 0 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 46 | 26.650 | 35.2 | 31.0 | 64 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 45 | 26.655 | 35.2 | 31.0 | 64 | 0 | 0 | Ac | 70 | | | | | | | | | | | | 0 | 3 | .010 | | | 03-04 |
| 04 48 | 26.665 | 37.7 | 30.6 | 64 | 0 | | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 05 48 | 26.680 | 36.0 | 30.6 | 55 | 0 | | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 06 47 | 26.700 | 37.0 | 31.0 | 52 | 0 | 0 | Cu | 50 | | | | | | | | | | | | 0 | 2 | .045 | | | 06-07 |
| 07 49 | 26.720 | 38.8 | 32.1 | 48 | 0 | | | | | | | | | | | | | | | 0 | | | | | 07-08 |
| 08 46 | 26.740 | 41.9 | 33.5 | 40 | 0 | | | | | | | | | | | | | | | 0 | | | | | 08-09 |
| 09 48 | 26.750 | 44.1 | 35.2 | 40 | 0 | | | | | | | | | | | | | | | 0 | 1 | .050 | | | 09-10 |
| 10 48 | 26.740 | 47.4 | 37.4 | 38 | 0 | | | | | | | | | | | | | | | 0 | | | | | 10-11 |
| 11 47 | 26.720 | 49.0 | 38.0 | 34 | 0 | | | | | | | | | | | | | | | 0 | | | | | 11-12 |
| 12 48 | 26.710 | 50.8 | 38.1 | 27 | 0 | | | | | | | | | | | | | | | 0 | 8 | .040 | | | 12-13 |
| 13 45 | 26.700 | 52.1 | 39.7 | 31 | 0 | | | | | | | | | | | | | | | 0 | | | | | 13-14 |
| 14 45 | 26.700 | 52.5 | 40.0 | 31 | 0 | | | | | | | | | | | | | | | 0 | | | | | 14-15 |
| 15 45 | 26.720 | 51.2 | 38.9 | 30 | 0 | | | | | | | | | | | | | | | 0 | 3 | .010 | | | 15-16 |
| 16 48 | 26.725 | 47.3 | 38.0 | 41 | 0 | | | | | | | | | | | | | | | 0 | | | | | 16-17 |
| 17 49 | 26.735 | 46.6 | 37.0 | 37 | 0 | | | | | | | | | | | | | | | 0 | | | | | 17-18 |
| 18 50 | 26.755 | 42.1 | 35.9 | 55 | 0 | | | | | | | | | | | | | | | 0 | 2 | .035 | | | 18-19 |
| 19 49 | 26.760 | 39.4 | 34.4 | 61 | 0 | | | | | | | | | | | | | | | 0 | | | | | 19-20 |
| 20 50 | 26.785 | 40.0 | 35.0 | 62 | 0 | | | | | | | | | | | | | | | 0 | | | | | 20-21 |
| 21 50 | 26.790 | 37.0 | 32.6 | 64 | 0 | | | | | | | | | | | | | | | 0 | 2 | .035 | | | 21-22 |
| 22 50 | 26.790 | 36.9 | 32.5 | 64 | 0 | | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 23 49 | 26.800 | 33.6 | 31.0 | 77 | 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 | PRECIP. ORIGIN 49 | STATE OF GRND. 50 | 51 | 52 | 53 | 54 | 55 | SOIL TEMP. 56 | 57 | 58 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MID. TO 0343 | X | 0 | 0 | X | 36 | 34 | X | X | | | | | | X | | |
| | 0343 | 1 | 0 | 0 | 0 | 38 | 34 | | 0 | | | | | | | | |
| | 0945 | 2 | 0 | 0 | 0 | 44 | 33 | | 0 | | | | | | | | |
| | 1540 | 3 | 0 | 0 | 0 | 54 | 44 | | 0 | | | | | | | | |
| | 2145 | 4 | 0 | 0 | 0 | 51 | 37 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 37 | 34 | X | X | | | | | | X | | |

## STATION PRESSURE COMPUTATIONS

| TIME (L.S.T.) 59 | 0345 | 0948 | 1544 | 2149 |
|---|---|---|---|---|
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.655 | 26.750 | 26.720 | 26.790 |
| BAROGRAPH 64 | 26.670 | 26.760 | 26.720 | 26.780 |
| BAR. CORR. 65 | -015 | -010 | ±0 | ±0 |

## SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

| 24-HR. MAX. TEMP. (°F) 66 | 24-HR. MIN. TEMP. (°F) 67 | 24-HR. PRECIP. WATER EQUIV. (Ins.) 68 | 24-HR. SNOWFALL UNML'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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 54 | 33 | 0 | 0 | 0 | 13 | N | *1336 | | | | | 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:

* LAST OF SEVERAL OCCURANCES

MF1-10B

☆ U.S.GPO:1977-0-765-005/1131

MF1-10A
(1-77)

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

STATION WSMO, DESERT ROCK, NV

DATE 1978 NOV 16

TO CONVERT LST TO GMT ADD 8 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) | CODE SERVER'S INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R | 0050 | CLR | 20 | | | 237 | 34 | 26 | 10 | 05 | | 023 | 002 | LEF |
| R | 0149 | CLR | 20 | | | 239 | 31 | 27 | 09 | 02 | | 023 | | LEF |
| R | 0248 | CLR | 20 | | | 235 | 32 | 26 | 10 | 04 | | 022 | | LEF |
| R | 0345 | CLR | 20 | | | 232 | 31 | 24 | 09 | 03 | | 021 | 805 30 RADAT 70L034104 | RK |
| R | 0445 | CLR | 20 | | | 232 | 30 | 26 | 04 | 02 | | 020 | | RK |
| R | 0545 | CLR | 20 | | | 238 | 30 | 26 | 14 | 03 | | 022 | | RK |
| R | 0645 | CLR | 20 | | | 245 | 30 | 26 | 10 | 02 | | 023 | 307 | RK |
| R | 0746 | CLR | 20 | | | 251 | 35 | 28 | 15 | 02 | | 025 | | RK |
| R | 0845 | CLR | 20 | | | 251 | 41 | 29 | 15 | 02 | | 026 | | RK |
| R | 0945 | CLR | 20 | | | 247 | 45 | 24 | 35 | 02 | | 025 | 007 29 | RK |
| R | 1045 | CLR | 20 | | | 235 | 50 | 26 | 31 | 03 | | 023 | | RK |
| R | 1145 | CLR | 20 | | | 227 | 52 | 23 | 23 | 05 | | 020 | | RK |
| R | 1250 | CLR | 20 | | | 216 | 53 | 21 | 25 | 04 | | 017 | 724 | RK |
| R | 1345 | CLR | 20 | | | 211 | 54 | 22 | 19 | 04 | | 015 | | RK |
| R | 1445 | CLR | 20 | | | 210 | 54 | 22 | 23 | 05 | | 015 | | RK |
| R | 1550 | CLR | 20 | | | 214 | 54 | 20 | 19 | 05 | | 016 | 503 54 RADAT 50097 | LEF |
| R | 1648 | CLR | 20 | | | 218 | 48 | 25 | 21 | 04 | | 015 | | LEF |
| R | 1745 | CLR | 20 | | | 221 | 43 | 32 | 09 | 02 | | 016 | | LEF |
| R | 1847 | CLR | 20 | | | 226 | 42 | 30 | 10 | 06 | | 017 | 303 | LEF |
| R | 1948 | CLR | 20 | | | 221 | 39 | 30 | 05 | 04 | | 016 | | LEF |
| R | 2050 | CLR | 20 | | | 216 | 41 | 28 | 05 | 08 | | 016 | | LEF |
| R | 2149 | CLR | 20 | | | 220 | 39 | 27 | 32 | 05 | | 017 | 500 54 | LEF |
| R | 2248 | CLR | 20 | | | 215 | 37 | 27 | 29 | 02 | | 017 | C1 N | LEF |
| R | 2350 | 170 SCT 250 SCT | 20 | | | 213 | 35 | 28 | 25 | 01 | | 016 | | LEF |

A synoptic observation, in WMO code format FM11D, is entered on line following related aviation observation.

FM11D: IIIII Nddff VVwwW PPPTT $N_hC_LhC_MC_H$ $T_dT_dapp$ $6P_oP_oP_oP_o$ 7RRR.s $8N_sCh$ $h_s$ 9SpSpspsp $2R_{24}R_{24}R_{24}R_{24}$ $3P_wP_wH_wH_w$ $d_wd_wP_wH_wH_w$ $4T_xT_xT_nT_n$

☆ U.S.GPO:1977-0-765-005/1111

MF1-10B
(2-77)

U. S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: 1978 NOV 1 E

To convert LST to GMT ADD 8 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 | 26.795 | 33.6 | 30.8 | 74 | 0 | | | | | | | | | | | | | | | 0 | 0 | 005 | | | 00-01 |
| 01 49 | 26.800 | 31.0 | 29.4 | 84 | 0 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 48 | 26.790 | 31.6 | 29.4 | 78 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 45 | 26.780 | 31.0 | 28.6 | 76 | 0 | | | | | | | | | | | | | | | 0 | 8 | 015 | | | 03-04 |
| 04 45 | 26.775 | 30.3 | 28.7 | 83 | 0 | | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 05 45 | 26.790 | 30.0 | 28.6 | 85 | 0 | | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 06 45 | 26.800 | 29.6 | 28.3 | 85 | 0 | | | | | | | | | | | | | | | 0 | 3 | 020 | | | 06-07 |
| 07 46 | 26.820 | 35.2 | 32.2 | 74 | 0 | | | | | | | | | | | | | | | 0 | | | | | 07-08 |
| 08 45 | 26.830 | 40.9 | 35.7 | 61 | 0 | | | | | | | | | | | | | | | 0 | | | | | 08-09 |
| 09 45 | 26.820 | 44.5 | 36.3 | 45 | 0 | | | | | | | | | | | | | | | 0 | 0 | 020 | | | 09-10 |
| 10 45 | 26.800 | 49.6 | 39.6 | 40 | 0 | | | | | | | | | | | | | | | 0 | | | | | 10-11 |
| 11 45 | 26.775 | 52.1 | 39.9 | 32 | 0 | | | | | | | | | | | | | | | 0 | | | | | 11-12 |
| 12 50 | 26.750 | 53.3 | 40.0 | 28 | 0 | | | | | | | | | | | | | | | 0 | 7 | 070 | | | 12-13 |
| 13 45 | 26.730 | 54.4 | 40.9 | 28 | 0 | | | | | | | | | | | | | | | 0 | | | | | 13-14 |
| 14 45 | 26.730 | 54.4 | 40.7 | 27 | 0 | | | | | | | | | | | | | | | 0 | | | | | 14-15 |
| 15 50 | 26.740 | 53.7 | 40.0 | 26 | 0 | | | | | | | | | | | | | | | 0 | 5 | 010 | | | 15-16 |
| 16 48 | 26.730 | 48.0 | 38.4 | 40 | 0 | | | | | | | | | | | | | | | 0 | | | | | 16-17 |
| 17 45 | 26.740 | 43.0 | 38.0 | 65 | 0 | | | | | | | | | | | | | | | 0 | | | | | 17-18 |
| 18 47 | 26.750 | 41.8 | 36.6 | 62 | 0 | | | | | | | | | | | | | | | 0 | 3 | 010 | | | 18-19 |
| 19 48 | 26.740 | 39.3 | 35.3 | 69 | 0 | | | | | | | | | | | | | | | 0 | | | | | 19-20 |
| 20 50 | 26.740 | 40.9 | 35.4 | 59 | 0 | | | | | | | | | | | | | | | 0 | | | | | 20-21 |
| 21 49 | 26.750 | 39.3 | 34.3 | 61 | 0 | | | | | | | | | | | | | | | 0 | 5 | 000 | | | 21-22 |
| 22 48 | 26.745 | 37.0 | 33.1 | 68 | 0 | | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 23 50 | 26.740 | 35.3 | 32.3 | 74 | 4 | | | | | | | | | | | | | | | 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 | PRECIP. ORIGIN 49 | STATE OF GRND. 50 | 51 | 52 | 53 | 54 | 55 | SOIL TEMP. 56 | 57 | 58 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MID. TO 0342 | | 0 | 0 | | 35 | 30 | | | | | | | | | | |
| | 0342 | 1 | 0 | 0 | 0 | 37 | 30 | | 0 | | | | | | | | |
| | 0942 | 2 | 0 | 0 | 0 | 45 | 29 | | 0 | | | | | | | | |
| | 1545 | 3 | 0 | 0 | 0 | 54 | 45 | | 0 | | | | | | | | |
| | 2144 | 4 | 0 | 0 | 0 | 54 | 37 | | 0 | | | | | | | | |
| | MID. | | 0 | 0 | 0 | 39 | 35 | | | | | | | | | | |

## STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0345 | 0945 | 1549 | 2148 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.780 | 26.820 | 26.740 | 26.750 |
| BAROGRAPH 64 | 26.795 | 26.835 | 26.745 | 26.755 |
| 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 54 | 29 | 0 | 0 | 0 | 8 | NE | *2145 | | | | | 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:

* LAST OF SEVERAL OCCURANCES

MF1-10B

☆ U.S.GPO:1977-0-765-005/1131

MF1-10A
(1-77)

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

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK

DATE: 1978 JAN 17

TO CONVERT LST TO GMT ADD 8 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) | ALTIM. ETER SETTING (Ins.) (12) | REMARKS AND SUPPLEMENTAL CODED DATA (13) | OBSERVER INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R | 0050 | E120 BKN 250 OVC | 20 | | | 209 | 39 | 28 | 04 | 06 | | 016 | B/NOVC 705 1076 | LEF |
| R | 0149 | E120 OVC | 20 | | | 205 | 40 | 29 | 12 | 03 | | 015 | B/NOVC SSW | LEF |
| R | 0250 | E120 OVC | 20 | | | 200 | 42 | 25 | 09 | 10 | | 014 | | LEF |
| R | 0345 | E120 BKN | 20 | | | 200 | 42 | 23 | 06 | 06 | | 014 | 605 1070 35 | RK |
| | | | | | | | | | | | | | RADAT 33074 | |
| R | 0445 | CLR | 20 | | | 210 | 38 | 26 | 02 | 08 | | 015 | | RK |
| R | 0548 | 250 - SCT | 20 | | | 216 | 37 | 26 | 30 | 03 | | 016 | | RK |
| R | 0645 | 250 - BKN | 20 | | | 220 | 40 | 28 | 02 | 05 | | 017 | 310 1031 | RK |
| R | 0745 | 150 SCT 250 - BKN | 20 | | | 226 | 43 | 29 | 29 | 02 | | 019 | | RK |
| R | 0845 | 150 SCT 250 - BKN | 20 | | | 229 | 45 | 32 | 35 | 12 | | 021 | | RK |
| R | 0948 | CLR | 20 | | | 231 | 49 | 33 | 01 | 07 | | 022 | 214 1031 35 | RK |
| R | 1045 | CLR | 20 | | | 227 | 53 | 33 | 02 | 10 | | 021 | | RK |
| R | 1148 | CLR | 20 | | | 215 | 55 | 33 | 10 | 10 | | 017 | | RK |
| R | 1245 | CLR | 20 | | | 196 | 57 | 31 | 10 | 10 | | 013 | 8247 1100 | RK |
| R | 1345 | CLR | 20 | | | 191 | 58 | 30 | 10 | 09 | | 012 | | RK |
| R | 1445 | CLR | 20 | | | 190 | 59 | 30 | 02 | 04 | | 012 | | RK |
| R | 1550 | CLR | 20 | | | 193 | 58 | 33 | 36 | 09 | | 013 | 500 1400 60 RADAT 76080 | LEF |
| R | 1646 | CLR | 20 | | | 200 | 55 | 34 | 01 | 10 | | 014 | | LEF |
| R | 1748 | CLR | 20 | | | 213 | 51 | 33 | 04 | 06 | | 016 | | LEF |
| R | 1847 | CLR | 20 | | | 215 | 50 | 31 | 03 | 11 | | 017 | 214 | LEF |
| R | 1950 | CLR | 20 | | | 218 | 48 | 33 | 02 | 12 | | 018 | | LEF |
| R | 2049 | CLR | 20 | | | 220 | 47 | 32 | 38 | 05 | | 019 | | LEF |
| R | 2150 | CLR | 20 | | | 221 | 45 | 32 | 04 | 08 | | 020 | 208 60 | LEF |
| R | 2250 | CLR | 20 | | | 218 | 45 | 31 | 01 | 11 | | 020 | | LEF |
| R | 2350 | CLR | 20 | | | 224 | 43 | 30 | 29 | 04 | | 022 | | LEF |

A synoptic observation, in WMO code format FM11D, is entered on line following related aviation observation.

FM11D: IIiii Nddff VVwwW PPPTT $N_hC_LhC_MC_H$ $T_dT_dopp$ $6P_oP_oP_oP_o$ 7RRR,s $8N_sCh$ $h_s$ $9S_pS_pS_pS_p$ $2R_{24}R_{24}R_{24}R_{24}$ $3P_wP_wH_wH_w$ $d_wd_wP_wH_wH_w$ $4T_xT_xT_nT_n$

☆ U.S. GPO:1977-0-765-005/1111

MF1-10B
(2-77)

U. S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: 1978 NOV 17

To convert LST to GMT ADD 8 hrs.

| TIME (L.S.T.) 16 | STATION PRESSURE (Ins.) 17 | DRY BULB (°F) 18 | WET BULB (°F) 19 | REL. HUMIDITY (%) 20 | TOTAL SKY COVER 21 | CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT. 22 | LOWEST LAYER TYPE 23 | LOWEST LAYER HEIGHT 24 | SECOND LAYER AMT. 25 | SECOND LAYER TYPE 26 | SECOND LAYER HEIGHT 27 | SUMMATION TOTAL 28 | THIRD LAYER AMT. 29 | THIRD LAYER TYPE 30 | THIRD LAYER HEIGHT 31 | SUMMATION TOTAL 32 | FOURTH LAYER AMT. 33 | FOURTH LAYER TYPE 34 | FOURTH LAYER HEIGHT 35 | TOTAL OPAQUE SKY COVER 36 | PRESSURE TENDENCY 37 | NET 3-HR. CHANGE (Ins.) 38 | SUNSHINE (Min.) 39 | PRECIPITATION (Ins.) 40 | HR. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00 50 | 26.735 | 38.8 | 34.4 | 65 | 10 | 7 | AC | E120 | 3 | CS | 250 | 10 | | | | | | | | 9 | 7 | 015 | | | 00-01 |
| 01 49 | 26.730 | 40.0 | 35.2 | 63 | 10 | | | | | | | | | | | | | | | 10 | | | | | 01-02 |
| 02 50 | 26.720 | 41.7 | 35.0 | 52 | 10 | | | | | | | | | | | | | | | 10 | | | | | 02-03 |
| 03 45 | 26.720 | 42.3 | 34.8 | 47 | 7 | 7 | AC | E120 | | | | | | | | | | | | 7 | 6 | 015 | | | 03-04 |
| 04 45 | 26.730 | 38.2 | 33.3 | 61 | 0 | | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 05 48 | 26.740 | 37.3 | 32.9 | 64 | 1 | | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 06 45 | 26.750 | 40.1 | 35.1 | 62 | 6 | 0 | AC | 150 | 6 | CI | 250 | 6 | | | | | | | | 2 | 3 | 030 | | | 06-07 |
| 07 45 | 26.765 | 42.8 | 36.7 | 57 | 6 | | | | | | | | | | | | | | | 3 | | | | | 07-08 |
| 08 45 | 26.780 | 45.2 | 39.3 | 60 | 6 | | | | | | | | | | | | | | | 3 | | | | | 08-09 |
| 09 48 | 26.790 | 49.1 | 41.4 | 53 | 0 | 0 | AC | 150 | 0 | CI | 250 | 0 | | | | | | | | 0 | 2 | 040 | | | 09-10 |
| 10 45 | 26.780 | 52.5 | 43.1 | 46 | 0 | | | | | | | | | | | | | | | 0 | | | | | 10-11 |
| 11 48 | 26.750 | 55.0 | 44.4 | 43 | 0 | | | | | | | | | | | | | | | 0 | | | | | 11-12 |
| 12 45 | 26.710 | 57.1 | 44.6 | 36 | 0 | 0 | CI | 60 | | | | | | | | | | | | 0 | 8 | 080 | | | 12-13 |
| 13 45 | 26.700 | 57.6 | 44.7 | 35 | 0 | | | | | | | | | | | | | | | 0 | | | | | 13-14 |
| 14 45 | 26.700 | 58.6 | 45.1 | 33 | 0 | | | | | | | | | | | | | | | 0 | | | | | 14-15 |
| 15 50 | 26.710 | 58.3 | 46.0 | 38 | 0 | 0 | SC | 60 | | | | | | | | | | | | 0 | 5 | 000 | | | 15-16 |
| 16 46 | 26.715 | 55.2 | 44.8 | 44 | 0 | | | | | | | | | | | | | | | 0 | | | | | 16-17 |
| 17 48 | 26.740 | 50.8 | 42.3 | 50 | 0 | | | | | | | | | | | | | | | 0 | | | | | 17-18 |
| 18 47 | 26.750 | 50.0 | 41.4 | 48 | 0 | | | | | | | | | | | | | | | 0 | 2 | 040 | | | 18-19 |
| 19 50 | 26.760 | 48.3 | 41.0 | 54 | 0 | | | | | | | | | | | | | | | 0 | | | | | 19-20 |
| 20 49 | 26.765 | 46.6 | 40.0 | 57 | 0 | | | | | | | | | | | | | | | 0 | | | | | 20-21 |
| 21 50 | 26.775 | 45.1 | 39.0 | 59 | 0 | | | | | | | | | | | | | | | 0 | 2 | 025 | | | 21-22 |
| 22 50 | 26.770 | 45.1 | 38.7 | 57 | 0 | | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 23 50 | 26.785 | 43.3 | 37.6 | 60 | 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 | PRECIP. ORIGIN 49 | STATE OF GRND. 50 | 51 | 52 | 53 | 54 | 55 | SOIL TEMP. 56 | 57 | 58 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MID. TO 0343 | X | 0 | 0 | X | 42 | 35 | X | X | | | | | | X | | |
| | 0343 | 1 | 0 | 0 | 0 | 42 | 35 | | 0 | | | | | | | | |
| | 0945 | 2 | 0 | 0 | 0 | 49 | 35 | | 0 | | | | | | | | |
| | 1545 | 3 | 0 | 0 | 0 | 60 | 49 | | 0 | | | | | | | | |
| | 2145 | 4 | 0 | 0 | 0 | 58 | 44 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 45 | 41 | X | X | | | | | | X | | |

## STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0345 | 0948 | 1549 | 2149 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.720 | 26.790 | 26.710 | 26.775 |
| BAROGRAPH 64 | 26.730 | 26.790 | 26.720 | 26.780 |
| BAR. CORR. 65 | -010 | 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 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 | 35 | 0 | 0 | 0 | 16 | N | 1030 | | | | | 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:

* BAROGRAM CHANGED - RESET TO ZERO

MF1-10B

☆ U.S.GPO:1977-0-765-005/1131

MF1-10A
1-77

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

STATION WSMO, DESERT ROCK, NV

DATE 1978 NOV 1 1

TO CONVERT LST TO GMT ADD 8 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) | OIL SPILLING INITIALS (5) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R | 0050 | CLR | 20 | | | 219 | 40 | 31 | 02 | 04 | | 020 | 8002 | LEF |
| R | 0149 | CLR | 20 | | | 221 | 38 | 31 | 21 | 02 | | 020 | | LEF |
| R | 0250 | CLR | 20 | | | 217 | 42 | 29 | 02 | 09 | | 020 | | LEF |
| R | 0345 | CLR | 20 | | | 214 | 41 | 30 | 03 | 03 | | 018 | 803 37 RADAT 35L094106 | RK |
| R | 0445 | CLR | 20 | | | 215 | 40 | 31 | 36 | 07 | | 018 | | RK |
| R | 0545 | CLR | 20 | | | 219 | 38 | 31 | 14 | 02 | | 018 | | RK |
| R | 0645 | CLR | 20 | | | 221 | 38 | 31 | 36 | 05 | | 019 | 302 | RK |
| R | 0752 | CLR | 20 | | | 224 | 43 | 31 | 16 | 03 | | 020 | | RK |
| R | 0845 | CLR | 20 | | | 223 | 48 | 30 | 09 | 02 | | 021 | | RK |
| R | 0945 | CLR | 20 | | | 227 | 51 | 28 | 36 | 05 | | 022 | 208 36 | RK |
| R | 1045 | CLR | 20 | | | 220 | 55 | 27 | 06 | 03 | | 021 | | RK |
| R | 1145 | CLR | 20 | | | 213 | 56 | 26 | 34 | 03 | | 018 | | RK |
| R | 1249 | CLR | 20 | | | 202 | 60 | 24 | 32 | 03 | | 015 | 820 | RK |
| R | 1345 | CLR | 20 | | | 199 | 61 | 26 | 14 | 03 | | 014 | | RK |
| R | 1445 | CLR | 20 | | | 193 | 61 | 30 | 21 | 06 | | 013 | | RK |
| R | 1550 | CLR | 20 | | | 195 | 60 | 27 | 19 | 06 | | 014 | 505 62 RADAT 22111 | LEF |
| R | 1649 | CLR | 20 | | | 197 | 54 | 32 | 26 | 02 | | 013 | | LEF |
| R | 1750 | CLR | 20 | | | 202 | 48 | 35 | 07 | 04 | | 013 | | LEF |
| R | 1850 | CLR | 20 | | | 202 | 45 | 34 | 10 | 05 | | 013 | 703 | LEF |
| R | 1948 | CLR | 20 | | | 198 | 46 | 32 | 10 | 09 | | 013 | | LEF |
| R | 2050 | CLR | 20 | | | 197 | 45 | 30 | 05 | 06 | | 013 | | LEF |
| R | 2150 | CLR | 20 | | | 201 | 42 | 31 | 31 | 04 | | 014 | 303 62 | LEF |
| R | 2249 | CLR | 20 | | | 210 | 39 | 32 | 34 | 04 | | 015 | | LEF |
| R | 2350 | CLR | 20 | | | 195 | 38 | 31 | 02 | 02 | | 013 | | LEF |

A synoptic observation, in WMO code format FM11D, is entered on line following related aviation observation.

FM11D: IIiii Nddff VVwwW PPPTT $N_hC_LhC_MC_H$ $T_dT_dapp$ $6P_oP_oP_oP_o$ 7RRR.s $8N_sCh$ $h_s$ 9SpSpspsp $2R_{24}R_{24}R_{24}R_{24}$ $3P_wP_wH_wH_w$ $d_wd_wP_wH_wH_w$ $4T_xT_xT_nT_n$

☆ U.S. GPO:1977-0-765-005/1111

MF1-10B
(2-77)

U. S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: 1978 NOV 18

To convert LST to GMT ADD 8 hrs.

| TIME (L.S.T.) 16 | STATION PRESSURE (Ins.) 17 | DRY BULB (°F) 18 | WET BULB (°F) 19 | REL. HUMIDITY (%) 20 | TOTAL SKY COVER 21 | CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT. 22 | LOWEST LAYER TYPE 23 | LOWEST LAYER HEIGHT 24 | SECOND LAYER AMT. 25 | SECOND LAYER TYPE 26 | SECOND LAYER HEIGHT 27 | SUMMATION TOTAL 28 | THIRD LAYER AMT. 29 | THIRD LAYER TYPE 30 | THIRD LAYER HEIGHT 31 | SUMMATION TOTAL 32 | FOURTH LAYER AMT. 33 | FOURTH LAYER TYPE 34 | FOURTH LAYER HEIGHT 35 | TOTAL OPAQUE SKY COVER 36 | PRESSURE TENDENCY 37 | NET 3-HR. CHANGE (Ins.) 38 | SUNSHINE (Min.) 39 | PRECIPITATION (Ins.) 40 | HR. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00 50 | 26.770 | 40.0 | 36.2 | 71 | 0 | | | | | | | | | | | | | | | 0 | 8 | 005 | | | 00-01 |
| 01 49 | 26.775 | 38.3 | 35.0 | 73 | 0 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 50 | 26.770 | 41.8 | 36.5 | 61 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 45 | 26.760 | 40.9 | 36.1 | 64 | 0 | | | | | | | | | | | | | | | 0 | 8 | 010 | | | 03-04 |
| 04 45 | 26.760 | 40.2 | 36.0 | 68 | 0 | | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 05 45 | 26.760 | 37.7 | 34.6 | 75 | 0 | | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 06 45 | 26.765 | 38.0 | 34.8 | 74 | 0 | | | | | | | | | | | | | | | 0 | 3 | 005 | | | 06-07 |
| 07 52 | 26.775 | 43.0 | 37.6 | 61 | 0 | | | | | | | | | | | | | | | 0 | | | | | 07-08 |
| 08 45 | 26.780 | 48.4 | 40.3 | 50 | 0 | | | | | | | | | | | | | | | 0 | | | | | 08-09 |
| 09 45 | 26.790 | 50.6 | 40.6 | 41 | 0 | | | | | | | | | | | | | | | 0 | 2 | 025 | | | 09-10 |
| 10 45 | 26.780 | 54.7 | 42.4 | 34 | 0 | | | | | | | | | | | | | | | 0 | | | | | 10-11 |
| 11 45 | 26.760 | 56.1 | 42.6 | 31 | 0 | | | | | | | | | | | | | | | 0 | | | | | 11-12 |
| 12 49 | 26.730 | 59.5 | 43.9 | 26 | 0 | | | | | | | | | | | | | | | 0 | 8 | 060 | | | 12-13 |
| 13 45 | 26.720 | 61.0 | 45.1 | 26 | 0 | | | | | | | | | | | | | | | 0 | | | | | 13-14 |
| 14 45 | 26.710 | 60.6 | 46.1 | 31 | 0 | | | | | | | | | | | | | | | 0 | | | | | 14-15 |
| 15 50 | 26.715 | 60.0 | 45.0 | 29 | 0 | | | | | | | | | | | | | | | 0 | 5 | 015 | | | 15-16 |
| 16 49 | 26.710 | 53.5 | 43.5 | 44 | 0 | | | | | | | | | | | | | | | 0 | | | | | 16-17 |
| 17 50 | 26.710 | 48.4 | 42.0 | 60 | 0 | | | | | | | | | | | | | | | 0 | | | | | 17-18 |
| 18 50 | 26.705 | 45.1 | 40.0 | 65 | 0 | | | | | | | | | | | | | | | 0 | 7 | 010 | | | 18-19 |
| 19 48 | 26.705 | 45.6 | 39.3 | 58 | 0 | | | | | | | | | | | | | | | 0 | | | | | 19-20 |
| 20 50 | 26.710 | 45.3 | 38.4 | 54 | 0 | | | | | | | | | | | | | | | 0 | | | | | 20-21 |
| 21 50 | 26.715 | 41.7 | 37.0 | 66 | 0 | | | | | | | | | | | | | | | 0 | 3 | 010 | | | 21-22 |
| 22 49 | 26.725 | 39.0 | 35.8 | 74 | 0 | | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 23 50 | 26.705 | 37.8 | 35.0 | 77 | 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 | PRECIP. ORIGIN 49 | STATE OF GRND. 50 | 51 | 52 | 53 | 54 | 55 | SOIL TEMP. 56 | 57 | 58 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MID. TO 0342 | X | 0 | 0 | X | 43 | 37 | X | X | | | | | | X | | |
| | 0342 | 1 | 0 | 0 | 0 | 45 | 37 | | 0 | | | | | | | | |
| | 0943 | 2 | 0 | 0 | 0 | 51 | 36 | | 0 | | | | | | | | |
| | 1545 | 3 | 0 | 0 | 0 | 62 | 51 | | 0 | | | | | | | | |
| | 2145 | 4 | 0 | 0 | 0 | 60 | 41 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 42 | 38 | X | X | | | | | | X | | |

## STATION PRESSURE COMPUTATIONS

| TIME (L.S.T.) 59 | 0345 | 0945 | 1549 | 2149 |
|---|---|---|---|---|
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.760 | 26.790 | 26.715 | 26.715 |
| BAROGRAPH 64 | 26.770 | 26.795 | 26.720 | 26.720 |
| BAR. CORR. 65 | -010 | -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 UNMLTD (Ins.) 69 | SNOW DEPTH (Ins.) 70 | PEAK WIND SPEED (Kts.) 71 | PEAK WIND DIRECTION 72 | PEAK WIND TIME (L.S.T.) 73 | THICKNESS OF ICE ON WATER (Ins.) 74 | FROZEN GROUND LAYER (Ins.) TOP 75 | FROZEN GROUND LAYER (Ins.) BASE 76 | RIVER GAGE 77 | SKY COVER SUNRISE TO SUNSET 78 | SKY COVER MIDNIGHT TO MIDNIGHT 79 | WATER EQUIV. (Ins.) 80 | 81 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 62 | 36 | 0 | 0 | 0 | 12 | E | 1935 | | | | | 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:



☆ U.S.GPO:1977-0-765-005/1131

MF1-10A
(1-77)

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

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: 1978 NOV 19

TO CONVERT LST TO GMT ADD 8 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) | SENSORS INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R | 0048 | CLR | 20 | | | 192 | 38 | 31 | 35 | 04 | | 012 | 805 | LEF |
| R | 0146 | CLR | 20 | | | 188 | 42 | 28 | 05 | 02 | | 012 | | LEF |
| R | 0250 | CLR | 20 | | | 192 | 37 | 30 | 03 | 05 | | 012 | | LEF |
| R | 0350 | CLR | 20 | | | 184 | 37 | 30 | 31 | 02 | | 010 | 807 35 RADAT 31116 | [illegible] |
| R | 0447 | CLR | 20 | | | 192 | 37 | 30 | 02 | 05 | | 011 | | [illegible] |
| R | 0550 | CLR | 20 | | | 196 | 34 | 30 | 36 | 03 | | 011 | | [illegible] |
| R | 0647 | CLR | 20 | | | 192 | 36 | 29 | 10 | 04 | | 010 | 000 | [illegible] |
| R | 0748 | 300 - SCT | 20 | | | 193 | 43 | 29 | 01 | 02 | | 011 | | [illegible] |
| R | 0850 | 300 - SCT | 20 | | | 189 | 50 | 30 | 31 | 02 | | 011 | | [illegible] |
| R | 0945 | 300 - SCT | 20 | | | 190 | 51 | 28 | 10 | 09 | | 011 | 103 1001 33 | [illegible] |
| R | 1050 | 300 - SCT | 20 | | | 181 | 55 | 17 | 30 | 06 | | 008 | | [illegible] |
| R | 1148 | 300 - SCT | 20 | | | 170 | 56 | 30 | 12 | 13 | | 005 | | [illegible] |
| R | 1249 | 300 - SCT | 20 | | | 158 | 58 | 27 | 11 | 14 | | 002 | 827 1001 | [illegible] |
| R | 1350 | 300 - SCT | 20 | | | 152 | 58 | 29 | 13 | 13 | | 001 | | [illegible] |
| R | 1445 | 300 - SCT | 20 | | | 152 | 58 | 29 | 13 | 11 | | 000 | | [illegible] |
| R | 1546 | 300 - SCT | 20 | | | 143 | 59 | 28 | 11 | 09 | | 998 | 814 1001 61 RADAT 43104 | [illegible] |
| R | 1645 | 300 SCT | 20 | | | 147 | 55 | 29 | 12 | 11 | | 998 | | CRD |
| R | 1745 | CLR | 20 | | | 156 | 50 | 33 | 12 | 05 | | 999 | | CRD |
| R | 1848 | CLR | 20 | | | 158 | 47 | 32 | 03 | 04 | | 999 | 207 | CRD |
| R | 1945 | CLR | 20 | | | 156 | 44 | 31 | 36 | 02 | | 999 | | CRD |
| R | 2048 | CLR | 20 | | | 155 | 45 | 29 | 17 | 03 | | 001 | | CRD |
| R | 2150 | CLR | 20 | | | 155 | 43 | 31 | 11 | 07 | | 001 | 103 61 | CRD |
| R | 2245 | CLR | 20 | | | 155 | 42 | 29 | 04 | 04 | | 001 | | CRD |
| R | 2346 | CLR | 20 | | | 150 | 42 | 31 | 07 | 05 | | 999 | | CRD |

A synoptic observation, in WMO code format FM11D, is entered on line following related aviation observation.

FM11D: Iiiii Nddff VVwwW PPPTT $N_hC_LhC_MC_H$ $T_dT_dapp$ $6P_oP_oP_oP_o$ 7RRR.s $8N_sCh$ $h_s$ $9S_pS_pS_pS_p$ $2R_{24}R_{24}R_{24}R_{24}$ $3P_wP_wH_wH_w$ $d_wd_wP_wH_wH_w$ $4T_xT_xT_nT_n$

☆ U.S.GPO:1977-0-765-005/1111

MF1-10B
(2-77)

U. S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: 1978 NOV 19

To convert LST to GMT ADD 8 hrs.

| TIME (L.S.T.) 16 | STATION PRESSURE (Ins.) 17 | DRY BULB (°F) 18 | WET BULB (°F) 19 | REL. HUMIDITY (%) 20 | TOTAL SKY COVER 21 | LOWEST LAYER AMT. 22 | LOWEST LAYER TYPE 23 | LOWEST LAYER HEIGHT 24 | SECOND LAYER AMT. 25 | SECOND LAYER TYPE 26 | SECOND LAYER HEIGHT 27 | SUMMATION TOTAL 28 | THIRD LAYER AMT. 29 | THIRD LAYER TYPE 30 | THIRD LAYER HEIGHT 31 | SUMMATION TOTAL 32 | FOURTH LAYER AMT. 33 | FOURTH LAYER TYPE 34 | FOURTH LAYER HEIGHT 35 | TOTAL OPAQUE SKY COVER 36 | PRESSURE TENDENCY 37 | NET 3-HR. CHANGE (Ins.) 38 | SUNSHINE (Min.) 39 | PRECIPITATION (Ins.) 40 | HR. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00 48 | 26.700 | 38.0 | 35.0 | 76 | 0 | | | | | | | | | | | | | | | 0 | 8 | .015 | | | 00-01 |
| 01 46 | 26.700 | 42.4 | 36.4 | 57 | 0 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 50 | 26.700 | 37.0 | 34.0 | 75 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 50 | 26.680 | 36.6 | 34.0 | 78 | 0 | | | | | | | | | | | | | | | 0 | 8 | .020 | | | 03-04 |
| 04 47 | 26.690 | 37.2 | 34.0 | 74 | 0 | | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 05 50 | 26.690 | 33.9 | 32.3 | 85 | 0 | | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 06 47 | 26.680 | 36.3 | 33.4 | 75 | 0 | | | | | | | | | | | | | | | 0 | 0 | .000 | | | 06-07 |
| 07 48 | 26.690 | 43.3 | 37.0 | 56 | 3 | | | | | | | | | | | | | | | 1 | | | | | 07-08 |
| 08 50 | 26.690 | 49.6 | 40.6 | 46 | 3 | | | | | | | | | | | | | | | 1 | | | | | 08-09 |
| 09 45 | 26.690 | 51.1 | 41.0 | 41 | 2 | 2 | ci | 300 | | | | | | | | | | | | 0 | 1 | .010 | | | 09-10 |
| 10 50 | 26.670 | 55.2 | 40.0 | 22 | 2 | | | | | | | | | | | | | | | 0 | | | | | 10-11 |
| 11 48 | 26.640 | 55.7 | 43.8 | 38 | 2 | | | | | | | | | | | | | | | 0 | | | | | 11-12 |
| 12 49 | 26.610 | 57.8 | 44.0 | 31 | 2 | 2 | ci | 300 | | | | | | | | | | | | 0 | 8 | .080 | | | 12-13 |
| 13 50 | 26.600 | 57.7 | 44.3 | 33 | 2 | | | | | | | | | | | | | | | 0 | | | | | 13-14 |
| 14 45 | 26.590 | 58.4 | 44.7 | 32 | 2 | | | | | | | | | | | | | | | 0 | | | | | 14-15 |
| 15 46 | 26.570 | 58.9 | 44.8 | 31 | 2 | 2 | ci | 300 | | | | | | | | | | | | 0 | 8 | .040 | | | 15-16 |
| 16 45 | 26.575 | 54.8 | 43.0 | 37 | 1 | | | | | | | | | | | | | | | 1 | | | | | 16-17 |
| 17 45 | 26.585 | 50.3 | 42.1 | 51 | 0 | | | | | | | | | | | | | | | 0 | | | | | 17-18 |
| 18 48 | 26.590 | 47.2 | 40.2 | 55 | 0 | | | | | | | | | | | | | | | 0 | 2 | .020 | | | 18-19 |
| 19 45 | 26.590 | 43.9 | 38.3 | 61 | 0 | | | | | | | | | | | | | | | 0 | | | | | 19-20 |
| 20 48 | 26.600 | 44.8 | 37.9 | 54 | 0 | | | | | | | | | | | | | | | 0 | | | | | 20-21 |
| 21 50 | 26.600 | 43.2 | 37.8 | 62 | 0 | | | | | | | | | | | | | | | 0 | 1 | .010 | | | 21-22 |
| 22 45 | 26.600 | 42.2 | 36.4 | 58 | 0 | | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 23 46 | 26.590 | 41.6 | 36.9 | 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 | PRECIP. ORIGIN 49 | STATE OF GRND. 50 | 51 | 52 | 53 | 54 | 55 | SOIL TEMP. 56 | 57 | 58 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MID. TO 0348 | X | 0 | 0 | X | 43 | 35 | X | X | | | | | | X | | |
| | 0348 | 1 | 0 | 0 | 0 | 43 | 35 | | 0 | | | | | | | | |
| | 0940 | 2 | 0 | 0 | 0 | 54 | 33 | | 0 | | | | | | | | |
| | 1543 | 3 | 0 | 0 | 0 | 61 | 51 | | 0 | | | | | | | | |
| | 2144 | 4 | 0 | 0 | 0 | 60 | 41 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 45 | 40 | X | X | | | | | | X | | |

## STATION PRESSURE COMPUTATIONS

| TIME (L.S.T.) 59 | 0347 | 0942 | 1544 | 2146 |
|---|---|---|---|---|
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.680 | 26.690 | 26.570 | 26.600 |
| BAROGRAPH 64 | 26.690 | 26.695 | 26.585 | 26.620 |
| BAR. CORR. 65 | -.010 | -.005 | -.015 | -.020 |

## SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

| 24-HR. MAX. TEMP. (°F) 66 | 24-HR. MIN. TEMP. (°F) 67 | 24-HR. PRECIP. WATER EQUIV. (Ins.) 68 | 24-HR. SNOWFALL 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 | 33 | 0 | 0 | 0 | 18 | SE | 1207 | | | | | 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:

MF1-10B

☆ U.S. GPO:1977-0-765-005/1131

MF1-10A
1-77

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

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: NOV 20 1978

TO CONVERT LST TO GMT ADD 8 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) | ALTIM. ETER SETTING (Ins.) (12) | REMARKS AND SUPPLEMENTAL CODED DATA (13) | OBSERVER INITIALS (14) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R | 0048 | CLR | 20 | | | 150 | 39 | 27 | 04 | 04 | | 999 | 603 | CRD |
| R | 0147 | CLR | 20 | | | 152 | 37 | 30 | 30 | 02 | | 999 | | CRD |
| R | 0245 | CLR | 20 | | | 153 | 36 | 30 | 03 | 04 | | 000 | | CRD |
| R | 0347 | CLR | 20 | | | 151 | 35 | 29 | 01 | 06 | | 999 | 000 34 RADAT 28100 | 008 |
| R | 0449 | CLR | 20 | | | 154 | 35 | 29 | 35 | 03 | | 999 | | 008 |
| R | 0548 | CLR | 20 | | | 160 | 35 | 29 | 02 | 06 | | 001 | | 008 |
| R | 0647 | CLR | 20 | | | 163 | 35 | 29 | 01 | 05 | | 001 | 103 | 008 |
| R | 0749 | CLR | 20 | | | 163 | 44 | 31 | 36 | 04 | | 002 | | 008 |
| R | 0848 | CLR | 20 | | | 158 | 49 | 30 | 34 | 02 | | 002 | | 008 |
| R | 0949 | CLR | 20 | | | 151 | 53 | 29 | 33 | 02 | | 999 | 803 33 | 008 |
| R | 1048 | CLR | 20 | | | 153 | 55 | 28 | 05 | 02 | | 001 | | 008 |
| R | 1148 | CLR | 20 | | | 139 | 60 | 28 | 05 | 03 | | 997 | | 008 |
| R | 1246 | CLR | 20 | | | 131 | 64 | 22 | 22 | 13 | | 995 | 714 | 008 |
| R | 1347 | CLR | 20 | | | 119 | 66 | 17 | 21 | 10 | 616 | 992 | | 008 |
| R | 1446 | CLR | 20 | | | 120 | 65 | 25 | 12 | 08 | | 992 | | 008 |
| R | 1546 | 300 SCT | 20 | | | 115 | 63 | 27 | 13 | 07 | | 990 | 817 1005 68 RADAT 23099 | CRD |
| R | 1648 | E 300 BKN | 20 | | | 122 | 55 | 32 | 14 | 04 | | 991 | | CRD |
| R | 1745 | 300-BKN | 20 | | | 122 | 53 | 32 | 18 | 04 | | 990 | | CRD |
| R | 1847 | 300-BKN | 20 | | | 128 | 47 | 32 | 36 | 05 | | 991 | 203 1008 | CRD |
| R | 1945 | 300-SCT | 20 | | | 118 | 49 | 30 | 03 | 06 | | 990 | | CRD |
| R | 2045 | 300-SCT | 20 | | | 121 | 47 | 33 | 05 | 02 | | 991 | | CRD |
| R | 2147 | 300-SCT | 20 | | | 122 | 46 | 30 | 05 | 02 | | 992 | 303 1008 68 | CRD |
| R | 2246 | 300-SCT | 20 | | | 120 | 43 | 31 | 09 | 02 | | 992 | | CRD |
| R | 2345 | 300 SCT | 20 | | | 118 | 41 | 31 | 13 | 04 | | 991 | | CRD |

A synoptic observation, in WMO code format FM11D, is entered on line following related aviation observation.

FM11D: IIiii Nddff VVwwW PPPTT $N_hC_LhC_MC_H$ $T_dT_dapp$ $6P_oP_oP_oP_o$ 7RRR.s $8N_sCh$ $h_s$ 9SpSpspsp $2R_{24}R_{24}R_{24}R_{24}$ $3P_wP_wH_wH_w$ $d_wd_wP_wH_wH_w$ $4T_xT_xT_nT_n$

☆ U.S. GPO:1977-0-765-005/1111

MF1-10B
(2-77)

U. S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: WMO, DESERT ROCK, NV

DATE: NOV 20 1978

To convert LST to GMT ADD 8 hrs.

| TIME (L.S.T.) 16 | STATION PRESSURE (Ins.) 17 | DRY BULB (°F) 18 | WET BULB (°F) 19 | REL. HUMIDITY (%) 20 | TOTAL SKY COVER 21 | LOWEST LAYER AMT. 22 | LOWEST LAYER TYPE 23 | LOWEST LAYER HEIGHT 24 | SECOND LAYER AMT. 25 | SECOND LAYER TYPE 26 | SECOND LAYER HEIGHT 27 | SUMMATION TOTAL 28 | THIRD LAYER AMT. 29 | THIRD LAYER TYPE 30 | THIRD LAYER HEIGHT 31 | SUMMATION TOTAL 32 | FOURTH LAYER AMT. 33 | FOURTH LAYER TYPE 34 | FOURTH LAYER HEIGHT 35 | TOTAL OPAQUE SKY COVER 36 | PRESSURE TENDENCY 37 | NET 3-HR. CHANGE (Ins.) 38 | SUNSHINE (Min.) 39 | PRECIPITATION (Ins.) 40 | HR. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00 48 | 26.590 | 39.4 | 34.4 | 61 | 0 | | | | | | | | | | | | | | | 0 | 6 | 010 | | | 00-01 |
| 01 47 | 26.590 | 37.4 | 34.1 | 73 | 0 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 45 | 26.595 | 36.3 | 33.7 | 78 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 47 | 26.590 | 35.4 | 32.7 | 77 | 0 | | | | | | | | | | | | | | | 0 | 0 | .000 | | | 03-04 |
| 04 49 | 26.590 | 35.0 | 32.6 | 79 | 0 | | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 05 48 | 26.600 | 35.0 | 32.4 | 77 | 0 | | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 06 47 | 26.600 | 35.0 | 32.6 | 79 | 0 | | | | | | | | | | | | | | | 0 | 1 | .010 | | | 06-07 |
| 07 49 | 26.610 | 43.5 | 38.0 | 62 | 0 | | | | | | | | | | | | | | | 0 | | | | | 07-08 |
| 08 48 | 26.610 | 49.4 | 40.6 | 47 | 0 | | | | | | | | | | | | | | | 0 | | | | | 08-09 |
| 09 49 | 26.590 | 52.9 | 42.2 | 40 | 0 | | | | | | | | | | | | | | | 0 | 8 | .010 | | | 09-10 |
| 10 48 | 26.600 | 55.4 | 43.0 | 35 | 0 | | | | | | | | | | | | | | | 0 | | | | | 10-11 |
| 11 48 | 26.570 | 60.0 | 45.2 | 29 | 0 | | | | | | | | | | | | | | | 0 | | | | | 11-12 |
| 12 46 | 26.550 | 64.4 | 45.6 | 19 | 0 | | | | | | | | | | | | | | | 0 | 7 | .040 | | | 12-13 |
| 13 47 | 26.520 | 65.8 | 45.3 | 15 | 0 | | | | | | | | | | | | | | | 0 | | | | | 13-14 |
| 14 46 | 26.520 | 64.6 | 46.4 | 22 | 0 | | | | | | | | | | | | | | | 0 | | | | | 14-15 |
| 15 46 | 26.500 | 63.0 | 46.2 | 25 | 1 | 1 | Cs | 300 | | | | | | | | | | | | 1 | 8 | .050 | | | 15-16 |
| 16 48 | 26.505 | 54.8 | 44.0 | 42 | 6 | | | | | | | | | | | | | | | 4 | | | | | 16-17 |
| 17 45 | 26.500 | 52.7 | 43.1 | 46 | 7 | | | | | | | | | | | | | | | 3 | | | | - | 17-18 |
| 18 47 | 26.510 | 47.3 | 40.4 | 56 | 6 | 6 | Cs | 300 | | | | | | | | | | | | 3 | 2 | .010 | | | 18-19 |
| 19 45 | 26.500 | 48.6 | 40.2 | 49 | 5 | | | | | | | | | | | | | | | 2 | | | | | 19-20 |
| 20 45 | 26.510 | 46.5 | 40.1 | 58 | 5 | | | | | | | | | | | | | | | 2 | | | | | 20-21 |
| 21 47 | 26.520 | 45.9 | 39.0 | 54 | 3 | 3 | Cs | 300 | | | | | | | | | | | | 1 | 3 | .010 | | | 21-22 |
| 22 46 | 26.515 | 43.4 | 39.8 | 61 | 3 | | | | | | | | | | | | | | | 1 | | | | | 22-23 |
| 23 45 | 26.510 | 40.5 | 36.2 | 67 | 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 | PRECIP. ORIGIN 49 | STATE OF GRND. 50 | 51 | 52 | 53 | 54 | 55 | SOIL TEMP. 56 | 57 | 58 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MID. TO 0344 | X | 0 | 0 | X | 42 | 34 | X | X | | | | | | X | | |
| | 0344 | 1 | 0 | 0 | 0 | 45 | 34 | | 0 | | | | | | | | |
| | 0945 | 2 | 0 | 0 | 0 | 53 | 33 | | 0 | | | | | | | | |
| | 1543 | 3 | 0 | 0 | 0 | 68 | 50 | | 0 | | | | | | | | |
| | 2144 | 4 | 0 | 0 | 0 | 64 | 45 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 46 | 40 | X | X | | | | | | X | | |

## STATION PRESSURE COMPUTATIONS

| TIME (L.S.T.) 59 | 0346 | 0948 | 1545 | 2145 |
|---|---|---|---|---|
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.590 | 26.570 | 26.500 | 26.520 |
| BAROGRAPH 64 | 26.600 | 26.615 | 26.510 | 26.535 |
| BAR. CORR. 65 | -.010 | -.025 | -.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 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 68 | 33 | 0 | 0 | 0 | 18 | SW | 1234 | | | | | 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:

MF1-10B

☆ U.S.GPO:1977-0-765-005/1131

MF1-10A
(-77)

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

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: NOV 21 1978

TO CONVERT LST TO GMT: ADD 8 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) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R | 0049 | 300 SCT | 20 | | | 105 | 44 | 30 | 36 | 02 | | 988 | 710 1008 | CRD |
| R | 0147 | CLR | 20 | | | 105 | 39 | 30 | 01 | 02 | | 988 | | CRD |
| R | 0248 | CLR | 20 | | | 106 | 37 | 30 | 31 | 02 | | 987 | | CRD |
| R | 0347 | CLR | 20 | | | 102 | 37 | 30 | 04 | 03 | | 986 | 707 35 RADAT 42084 | CRD |
| R | 0445 | CLR | 20 | | | 103 | 37 | 30 | 32 | 04 | | 985 | | CRD |
| R | 0546 | CLR | 20 | | | 104 | 38 | 29 | 34 | 02 | | 985 | | CRD |
| R | 0646 | CLR | 20 | | | 109 | 35 | 29 | 36 | 05 | | 985 | 603 | CRD |
| R | 0745 | CLR | 20 | | | 105 | 41 | 32 | 33 | 02 | | 985 | | CRD |
| R | 0847 | CLR | 20 | | | 101 | 48 | 32 | 34 | 02 | | 985 | | CRD |
| R | 0947 | CLR | 20 | | | 098 | 53 | 30 | 27 | 04 | | 985 | 400 32 | CRD |
| R | 1048 | 250 - SCT | 20 | | | 095 | 57 | 30 | 23 | 11 | | 984 | | CRD |
| R | 1148 | 200 - BKN | 20 | | | 088 | 57 | 32 | 23 | 08 | | 982 | | CRD |
| R | 1249 | 100 SCT 200 - BKN | 20 | | | 079 | 57 | 33 | 22 | 14 G24 | | 980 | 817 1201 | CRD |
| R | 1345 | 60 SCT 150 SCT E200 BKN | 20 | | | 074 | 54 | 34 | 20 | 12 G17 | | 978 | | CRD |
| R | 1447 | 60 SCT E200 BKN | 15 | | | 074 | 53 | 33 | 20 | 20 G27 | | 976 | RWU W/PK WND 2133/24 | CRD |
| R | 1549 | 30 SCT E60 BKN 250 BKN | 15 | | | 079 | 51 | 34 | 18 | 14 G23 | | 978 | SWU S PK WND 2029/19/507 | CRD |
| / | | | | | | | | | | | | | 1201 59 RADAT 74075 | / |
| R | 1646 | 30 SCT E50 OVC | 15 | | RW- | 085 | 50 | 37 | 20 | 08 | | 980 | RB38 SWU S | CRD |
| R | 1747 | 25 SCT E40 OVC | 15 | | RW- | 092 | 48 | 38 | 18 | 10 | | 982 | SWU ALQDS | CRD |
| R | 1847 | 20 SCT E40 OVC | 15 | | RW- | 103 | 45 | 41 | 21 | 03 | | 983 | 21703 12// | CRD |
| R | 1946 | 20 SCT E40 OVC | 15 | | | 098 | 46 | 38 | 19 | 10 G19 | | 983 | RE10 SWU ALQDS | CRD |
| R | 2046 | 40 SCT | 20 | | | 094 | 45 | 37 | 17 | 16 | | 983 | | CRD |
| R | 2148 | 40 SCT | 20 | | | 096 | 45 | 37 | 19 | 12 | | 984 | 30303 1200 59 | CRD |
| R | 2245 | 40 SCT | 20 | | | 095 | 45 | 35 | 20 | 14 | | 984 | | CRD |
| R | 2349 | 40 SCT | 20 | | | 096 | 45 | 34 | 19 | 16 G24 | | 985 | PK WND 1929/00 | CRD |

A synoptic observation, in WMO code format FM11D, is entered on line following related aviation observation.

FM11D: Iiiii Nddff VVwwW PPPTT $N_hC_LhC_MC_H$ $T_dT_dapp$ $6P_oP_oP_oP_o$ 7RRRis $8N_sCh$ $h_s$ $9S_pS_pS_pS_p$ $2R_{24}R_{24}R_{24}R_{24}$ $3P_wP_wH_wH_w$ $d_wd_wP_wH_wH_w$ $4T_xT_xT_nT_n$

☆ U.S.GPO:1977-0-765-005/1111

MF1-10B
(2-77)

U. S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: NOV 01 1970

To convert LST to GMT ADD 8 hrs.

| TIME (L.S.T.) 16 | STATION PRESSURE (Ins.) 17 | DRY BULB (°F) 18 | WET BULB (°F) 19 | REL. HUMIDITY (%) 20 | TOTAL SKY COVER 21 | LOWEST LAYER AMT. 22 | LOWEST LAYER TYPE 23 | LOWEST LAYER HEIGHT 24 | SECOND LAYER AMT. 25 | SECOND LAYER TYPE 26 | SECOND LAYER HEIGHT 27 | SUMMATION TOTAL 28 | THIRD LAYER AMT. 29 | THIRD LAYER TYPE 30 | THIRD LAYER HEIGHT 31 | SUMMATION TOTAL 32 | FOURTH LAYER AMT. 33 | FOURTH LAYER TYPE 34 | FOURTH LAYER HEIGHT 35 | TOTAL OPAQUE SKY COVER 36 | PRESSURE TENDENCY 37 | NET 3-HR. CHANGE (Ins.) 38 | SUNSHINE (Min.) 39 | PRECIPITATION (Ins.) 40 | HR. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00 49 | 26.490 | 43.7 | 37.7 | 58 | 1 | 1 | CS | 300 | | | | | | | | | | | | 1 | 7 | .030 | | | 00-01 |
| 01 47 | 26.485 | 39.3 | 35.5 | 70 | 0 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 48 | 26.480 | 37.4 | 34.3 | 74 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 47 | 26.470 | 37.2 | 34.0 | 74 | 0 | | | | | | | | | | | | | | | 0 | 7 | .020 | | | 03-04 |
| 04 45 | 26.460 | 36.9 | 33.9 | 75 | 0 | | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 05 46 | 26.460 | 38.2 | 34.4 | 70 | 0 | | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 06 46 | 26.460 | 34.8 | 32.6 | 80 | 0 | | | | | | | | | | | | | | | 0 | 6 | .010 | | | 06-07 |
| 07 45 | 26.460 | 41.0 | 36.9 | 70 | 0 | | | | | | | | | | | | | | | 0 | | | | | 07-08 |
| 08 47 | 26.460 | 48.0 | 40.6 | 53 | 0 | | | | | | | | | | | | | | | 0 | | | | | 08-09 |
| 09 47 | 26.460 | 53.0 | 42.6 | 42 | 0 | | | | | | | | | | | | | | | 0 | 4 | .000 | | | 09-10 |
| 10 48 | 26.450 | 54.4 | 43.0 | 38 | 3 | | | | | | | | | | | | | | | 1 | | | | | 10-11 |
| 11 48 | 26.430 | 56.8 | 45.0 | 39 | 7 | | | | | | | | | | | | | | | 3 | | | | | 11-12 |
| 12 49 | 26.410 | 57.0 | 44.3 | 40 | 8 | 1 | CU | 100 | 7 | Ci | 200 | 8 | | | | | | | | 3 | 8 | .000 | | | 12-13 |
| 13 48 | 26.390 | 54.2 | 44.6 | 47 | 9 | | | | | | | | | | | | | | | 8 | | | | | 13-14 |
| 14 47 | 26.380 | 52.9 | 43.6 | 47 | 7 | | | | | | | | | | | | | | | 7 | | | | | 14-15 |
| 15 49 | 26.390 | 51.0 | 42.9 | 52 | 9 | 2 | CUFRA | 30 | 4 | Cu | E60 | 6 | 3 | Ci | 250 | 9 | | | | 8 | 5 | 020 | | | 15-16 |
| 16 46 | 26.405 | 50.2 | 43.6 | 60 | 10 | | | | | | | | | | | | | | | 10 | | | | | 16-17 |
| 17 47 | 26.425 | 48.4 | 43.2 | 67 | 10 | | | | | | | | | | | | | | | 10 | | | | | 17-18 |
| 18 47 | 26.440 | 45.3 | 43.3 | 86 | 10 | 2 | CUFRA | 20 | 8 | Cu | E40 | 10 | | | | | | | | 10 | 2 | 050 | | | 18-19 |
| 19 46 | 26.440 | 45.6 | 42.0 | 76 | 10 | | | | | | | | | | | | | | | 10 | | | | | 19-20 |
| 20 46 | 26.440 | 45.0 | 41.2 | 73 | 4 | | | | | | | | | | | | | | | 4 | | | | | 20-21 |
| 21 48 | 26.450 | 45.4 | 41.2 | 69 | 3 | 3 | Cu | 40 | | | | | | | | | | | | 3 | 3 | 010 | | | 21-22 |
| 22 45 | 26.450 | 45.2 | 40.4 | 67 | 2 | | | | | | | | | | | | | | | 2 | | | | | 22-23 |
| 23 49 | 26.455 | 45.0 | 40.0 | 66 | 2 | | | | | | | | | | | | | | | 2 | | | | | 23-24 |

## SYNOPTIC OBSERVATIONS

| TIME (G.M.T.) 41 | TIME (L.S.T.) 42 | NO. 43 | PRECIP. (Ins.) 44 | SNOW FALL (Ins.) 45 | SNOW DEPTH (Ins.) 46 | MAX. TEMP. (°F) 47 | MIN. TEMP. (°F) 48 | PRECIP. ORIGIN 49 | STATE OF GRND. 50 | 51 | 52 | 53 | 54 | 55 | SOIL TEMP. 56 | 57 | 58 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MID. TO 0344 | X | 0 | 0 | X | 44 | 35 | X | X | | | | | | X | | |
| | 0344 | 1 | 0 | 0 | 0 | 46 | 35 | | 0 | | | | | | | | |
| | 0944 | 2 | 0 | 0 | 0 | 54 | 32 | | 0 | | | | | | | | |
| | 1545 | 3 | 0 | 0 | 0 | 59 | 50 | | 0 | | | | | | | | |
| | 2145 | 4 | .03 | 0 | 0 | 52 | 43 | | 1 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 46 | 43 | X | X | | | | | | X | | |

### STATION PRESSURE COMPUTATIONS

| TIME (L.S.T.) 59 | 0346 | 0946 | 1546 | 2146 |
|---|---|---|---|---|
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.470 | 26.460 | 26.390 | 26.450 |
| BAROGRAPH 64 | 26.490 | 26.460 | 26.310 | 26.445 |
| BAR. CORR. 65 | -.020 | +.00* | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 59 | 32 | .03 | 0 | 0 | 33 | SW | 1424 | | | | | 4 | | | |

## WEATHER & OBSTRUCTIONS TO VISION

| TYPE 82 | BEGAN 83 | ENDED 84 | TYPE 86 | BEGAN 87 | ENDED 88 |
|---|---|---|---|---|---|
| RW- | 1638 | 1910 | | | |

## 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: *1100 P.S.T. CHANGED BAROGRAM RESET, ZERO CAL.

MF1-10B

☆ U.S.GPO:1977-0-765-005/1131

MF1-10A (1-77)

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

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: NOV 22 1978

TO CONVERT LST TO GMT ADD 8 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) | (14) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R | 0048 | 40 SCT | 20 | | | 100 | 45 | 33 | 20 | 13G | 20 | 986 | PK WND 1926/04/305 1100 | CRO |
| R | 0146 | CLR | 20 | | | 106 | 45 | 32 | 20 | 10 | | 987 | | CRO |
| R | 0249 | CLR | 20 | | | 113 | 44 | 33 | 21 | 02 | | 989 | | CRO |
| R | 0348 | CLR | 20 | | | 125 | 42 | 31 | 25 | 08 | | 992 | 319 40 20003 RAOAT 67058 | CRO |
| R | 0445 | CLR | 20 | | | 131 | 40 | 30 | 26 | 06 | | 993 | | CRO |
| R | 0546 | CLR | 20 | | | 141 | 38 | 32 | 22 | 02 | | 995 | | CRO |
| R | 0644 | CLR | 20 | | | 147 | 36 | 30 | 04 | 03 | | 996 | 214 1002 | CRO |
| R | 0746 | CLR | 20 | | | 152 | 42 | 30 | 07 | 03 | | 998 | | CRO |
| R | 0845 | CLR | 20 | | | 153 | 47 | 29 | 17 | 02 | | 999 | | CRO |
| R | 0946 | 80 SCT 250 SCT | 20 | | | 158 | 49 | 26 | 10 | 06 | | 002 | 217 1502 35 | CRO |
| R | 1044 | 60 SCT 250 - BKN | 20 | | | 157 | 52 | 30 | 20 | 12 | | 002 | | CRO |
| R | 1147 | 60 SCT 250 SCT | 20 | | | 146 | 52 | 29 | 22 | 14 | | 998 | | CRO |
| R | 1248 | 60 SCT 250 SCT | 20 | | | 141 | 54 | 26 | 22 | 11 | | 997 | 814 1502 | CRO |
| R | 1349 | 60 SCT 250 SCT | 20 | | | 136 | 55 | 24 | 21 | 10G19 | | 996 | | CRO |
| R | 1445 | 60 SCT 250 SCT | 20 | | | 137 | 56 | 17 | 22 | 08 | | 996 | | CRO |
| R | 1548 | 60 SCT | 20 | | | 146 | 52 | 24 | 21 | 10 | | 998 | 303 1500 SSE RADAT 68069 | GH |
| R | 1647 | 60 SCT | 20 | | | 154 | 49 | 29 | 18 | 04 | | 999 | | GH |
| R | 1745 | 60 SCT | 20 | | | 161 | 46 | 30 | 31 | 02 | | 001 | | GH |
| R | 1849 | 60 SCT | 20 | | | 166 | 45 | 32 | 01 | 02 | | 002 | 210 1500 | GH |
| R | 1950 | 60 SCT | 20 | | | 167 | 45 | 32 | 04 | 03 | | 003 | | GH |
| R | 2048 | 60 SCT | 20 | | | 173 | 43 | 33 | 00 | 00 | | 005 | | GH |
| R | 2149 | 60 SCT | 20 | | | 176 | 42 | 33 | 04 | 03 | | 006 | 114 1500 53C | GH |
| R | 2245 | 60 SCT | 20 | | | 176 | 40 | 33 | 05 | 02 | | 006 | | GH |
| R | 2347 | CLR | 20 | | | 176 | 40 | 33 | 13 | 01 | | 006 | FEW SC | GH |

A synoptic observation, in WMO code format FM11D, is entered on line following related aviation observation.

FM11D: IIiii Nddff VVwwW PPPTT $N_hC_LhC_MC_H$ $T_gT_dopp$ $6P_oP_oP_oP_o$ 7RRRrs $8N_sCh\ h_s$ 9SpSpspsp $2R_{24}R_{24}R_{24}R_{24}$ $3P_wP_wH_wH_w$ $d_wd_wP_wHwH_w$ $4T_xT_xT_nT_n$

☆ U.S.GPO:1977-0-765-005/1111

MF1-10B
(2-77)

U. S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: NOV 22 1970

To convert LST to GMT ADD 8 hrs.

| TIME (L.S.T.) 16 | STATION PRESSURE (Ins.) 17 | DRY BULB (°F) 18 | WET BULB (°F) 19 | REL. HUMIDITY (%) 20 | TOTAL SKY COVER 21 | LOWEST LAYER AMT. 22 | LOWEST LAYER TYPE 23 | LOWEST LAYER HEIGHT 24 | SECOND LAYER AMT. 25 | SECOND LAYER TYPE 26 | SECOND LAYER HEIGHT 27 | SUMMATION TOTAL 28 | THIRD LAYER AMT. 29 | THIRD LAYER TYPE 30 | THIRD LAYER HEIGHT 31 | SUMMATION TOTAL 32 | FOURTH LAYER AMT. 33 | FOURTH LAYER TYPE 34 | FOURTH LAYER HEIGHT 35 | TOTAL OPAQUE SKY COVER 36 | PRESSURE TENDENCY 37 | NET 3-HR. CHANGE (Ins.) 38 | SUNSHINE (Min.) 39 | PRECIPITATION (Ins.) 40 | HR. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00 48 | 26.465 | 45.2 | 39.8 | 63 | 1 | 1 | CU | 40 | | | | | | | | | | | | 1 | 3 | 015 | | | 00-01 |
| 01 46 | 26.480 | 44.8 | 38.8 | 59 | 0 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 49 | 26.495 | 43.6 | 38.8 | 66 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 48 | 26.520 | 41.9 | 37.3 | 66 | 0 | | | | | | | | | | | | | | | 0 | 3 | .055 | | | 03-04 |
| 04 45 | 26.530 | 40.3 | 36.0 | 67 | 0 | | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 05 46 | 26.550 | 37.6 | 35.0 | 79 | 0 | | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 06 44 | 26.560 | 36.3 | 33.6 | 77 | 0 | 0 | ci | 250 | | | | | | | | | | | | 0 | 2 | .040 | | | 06-07 |
| 07 46 | 26.580 | 41.9 | 36.6 | 61 | 0 | | | | | | | | | | | | | | | 0 | | | | | 07-08 |
| 08 45 | 26.590 | 46.9 | 39.2 | 50 | 0 | | | | | | | | | | | | | | | 0 | | | | | 08-09 |
| 09 46 | 26.610 | 49.3 | 39.2 | 39 | 1 | 1 | sc. | 80 | 0 | ci | 250 | 1 | | | | | | | | 1 | 2 | .050 | | | 09-10 |
| 10 44 | 26.610 | 51.8 | 42.0 | 44 | 8 | | | | | | | | | | | | | | | 8 | | | | | 10-11 |
| 11 47 | 26.580 | 51.6 | 41.5 | 42 | 5 | | | | | | | | | | | | | | | 3 | | | | | 11-12 |
| 12 48 | 26.570 | 53.5 | 41.5 | 34 | 4 | 3 | sc | 60 | 1 | ci | 250 | 4 | | | | | | | | 4 | 8 | .040 | | | 12-13 |
| 13 49 | 26.560 | 54.8 | 41.5 | 30 | 5 | | | | | | | | | | | | | | | 3 | | | | | 13-14 |
| 14 45 | 26.560 | 55.7 | 40.3 | 22 | 5 | | | | | | | | | | | | | | | 5 | | | | | 14-15 |
| 15 48 | 26.580 | 51.8 | 40.0 | 33 | 5 | 5 | sc | 60 | | | | | | | | | | | | 5 | 3 | .010 | | | 15-16 |
| 16 47 | 26.580 | 48.6 | 40.0 | 47 | 4 | | | | | | | | | | | | | | | 4 | | | | | 16-17 |
| 17 45 | 26.600 | 46.0 | 39.0 | 54 | 4 | | | | | | | | | | | | | | | 4 | | | | | 17-18 |
| 18 49 | 26.610 | 45.0 | 39.0 | 59 | 3 | 3 | sc | 60 | | | | | | | | | | | | 3 | 2 | .030 | | | 18-19 |
| 19 50 | 26.620 | 45.0 | 39.0 | 59 | 3 | | | | | | | | | | | | | | | 3 | | | | | 19-20 |
| 20 48 | 26.640 | 43.4 | 38.7 | 67 | 2 | | | | | | | | | | | | | | | 2 | | | | | 20-21 |
| 21 48 | 26.650 | 41.6 | 37.8 | 72 | 2 | 2 | sc | 60 | | | | | | | | | | | | 2 | 1 | .040 | | | 21-22 |
| 22 45 | 26.650 | 40.0 | 37.0 | 77 | 2 | | | | | | | | | | | | | | | 2 | | | | | 22-23 |
| 23 47 | 26.650 | 40.2 | 36.8 | 74 | 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 | PRECIP. ORIGIN 49 | STATE OF GRND. 50 | 51 | 52 | 53 | 54 | 55 | SOIL TEMP. 56 | 57 | 58 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MID. TO 0345 | X | 0 | 0 | X | 46 | 40 | X | X | | | | | | X | | |
| | 0345 | 1 | 0 | 0 | 0 | 46 | 40 | | 1 | | | | | | | | |
| | 0943 | 2 | 0 | 0 | 0 | 52 | 35 | | 1 | | | | | | | | |
| | 1545 | 3 | 0 | 0 | 0 | 56 | 49 | | 0 | | | | | | | | |
| | 2145 | 4 | 0 | 0 | 0 | 53 | 41 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 42 | 39 | X | X | | | | | | X | | |

## STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0347 | 0945 | 1548 | 2149 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.570 | 26.610 | 26.580 | 26.650 |
| BAROGRAPH 64 | 26.575 | 26.605 | 26.570 | 26.648 |
| BAR. CORR. 65 | +.005 | +.005 | +.010 | +.002 |

## SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

| 24-HR. MAX. TEMP. (°F) 66 | 24-HR. MIN. TEMP. (°F) 67 | 24-HR. PRECIP. WATER EQUIV. (Ins.) 68 | 24-HR. SNOWFALL UNMLTD (Ins.) 69 | SNOW DEPTH (Ins.) 70 | PEAK WIND SPEED (Kts.) 71 | PEAK WIND DIRECTION 72 | PEAK WIND TIME (L.S.T.) 73 | THICKNESS OF ICE ON WATER (Ins.) 74 | FROZEN GROUND LAYER (Ins.) TOP 75 | FROZEN GROUND LAYER (Ins.) BASE 76 | RIVER GAGE 77 | SKY COVER SUNRISE TO SUNSET 78 | SKY COVER MIDNIGHT TO MIDNIGHT 79 | WATER EQUIV. (Ins.) 80 | 81 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 56 | 35 | 0 | 0 | 0 | 26 | 9 | 000A | | | | | 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:

MF1-10B

☆ U.S.GPO:1977-0-765-005/1131

MF1-10A (-77)

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

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: 1978 NOV 2 3

TO CONVERT LST TO GMT ADD 8 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) | SUPERVISORS INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R | 0045 | CLR | 20 | | | 175 | 39 | 31 | 36 | 03 | | 006 | 400 1500 | GH |
| R | 0147 | CLR | 20 | | | 175 | 37 | 31 | 14 | 02 | | 006 | FEW SC | GH |
| R | 0245 | CLR | 20 | | | 177 | 35 | 30 | 21 | 04 | | 006 | CI NE | MR |
| R | 0348 | CLR | 20 | | | 178 | 36 | 31 | 34 | 05 | | 006 | 400 1001 34 RADAT 68068 | GH |
| R | 0445 | CLR | 20 | | | 181 | 36 | 30 | 35 | 04 | | 006 | AC S CI N-NE | MR |
| R | 0546 | 60 SCT | 20 | | | 186 | 35 | 31 | 34 | 04 | | 007 | | MR |
| R | 0646 | 60 SCT | 20 | | | 188 | 36 | 31 | 05 | 03 | | 008 | 305 1500 | MR |
| R | 0746 | E 80 BKN | 20 | | | 193 | 43 | 31 | 09 | 03 | | 011 | | MR |
| R | 0846 | 80 SCT | 20 | | | 196 | 47 | 29 | 11 | 06 | | 012 | | MR |
| R | 0949 | 80 SCT | 20 | | | 196 | 49 | 30 | 09 | 08 | | 012 | 112 1070 34 | MR |
| R | 1045 | 100 SCT | 20 | | | 187 | 52 | 30 | 10 | 07 | | 010 | HVY CU NW | MR |
| R | 1145 | 100 SCT | 20 | | | 174 | 53 | 30 | 10 | 12 | | 006 | HVY CU NW-N | MR |
| R | 1247 | 90 SCT | 20 | | | 166 | 55 | 29 | 10 | 11 | | 004 | 724 1270 | MR |
| R | 1347 | 100 SCT | 20 | | | 166 | 55 | 28 | 10 | 13 | | 004 | HVY CU N-NE | MR |
| R | 1451 | E 100 BKN | 20 | | | 166 | 55 | 25 | 11 | 12 | | 003 | HVY CU NW-NE | MR |
| R | 1547 | 40 SCT 90 SCT | 20 | | | 169 | 53 | 27 | 11 | 11 | | 004 | 500 1270 57 RADAT 49045 | GH |
| R | 1651 | 90 SCT | 20 | | | 162 | 50 | 28 | 10 | 06 | | 003 | SC ALQDS | MR |
| R | 1754 | CLR | 20 | | | 173 | 47 | 31 | 10 | 06 | | 004 | FEW AC | GH |
| R | 1855 | CLR | 20 | | | 176 | 43 | 31 | 11 | 02 | | 004 | 500 1070 | GH |
| R | 1952 | CLR | 20 | | | 176 | 41 | 31 | 00 | 00 | | 005 | | GH |
| R | 2047 | CLR | 20 | | | 174 | 44 | 28 | 02 | 10 | | 005 | | GH |
| R | 2150 | CLR | 20 | | | 170 | 45 | 27 | 02 | 13 | | 005 | 103 57 | GH |
| R | 2255 | CLR | 20 | | | 170 | 43 | 29 | 02 | 11 | | 005 | | GH |
| R | 2346 | CLR | 20 | | | 161 | 44 | 26 | 02 | 10 | | 003 | | GH |

A synoptic observation, in WMO code format FM11D, is entered on line following related aviation observation.

FM11D: Iiiii Nddff VVwwW PPPTT $N_hC_LhC_MC_H$ $T_dT_dapp$ $6P_oP_oP_oP_o$ 7RRRrs $8N_sCh$ $h_s$ $9SpSpspsp$ $2R_{24}R_{24}R_{24}R_{24}$ $3P_wP_wH_wH_w$ $d_wd_wP_wH_wH_w$ $4T_xT_xT_nT_n$

☆ U.S.GPO:1977-0-765-005/1111

MF1-10B
(2-77)

U. S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: USAMD, DESERT ROCK, NV

DATE: 1978 NOV 23

To convert LST to GMT ADD 8 hrs.

| TIME (L.S.T.) 16 | STATION PRESSURE (Ins.) 17 | DRY BULB (°F) 18 | WET BULB (°F) 19 | REL. HUMIDITY (%) 20 | TOTAL SKY COVER 21 | LOWEST LAYER AMT. 22 | LOWEST LAYER TYPE 23 | LOWEST LAYER HEIGHT 24 | SECOND LAYER AMT. 25 | SECOND LAYER TYPE 26 | SECOND LAYER HEIGHT 27 | SUMMATION TOTAL 28 | THIRD LAYER AMT. 29 | THIRD LAYER TYPE 30 | THIRD LAYER HEIGHT 31 | SUMMATION TOTAL 32 | FOURTH LAYER AMT. 33 | FOURTH LAYER TYPE 34 | FOURTH LAYER HEIGHT 35 | TOTAL OPAQUE SKY COVER 36 | PRESSURE TENDENCY 37 | NET 3-HR. CHANGE (Ins.) 38 | SUNSHINE (Min.) 39 | PRECIPITATION (Ins.) 40 | HR. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00 45 | 26.650 | 39.3 | 35.5 | 71 | 0 | 0 | SC | 80 | | | | | | | | | | | | 0 | 4 | .000 | | | 00-01 |
| 01 47 | 26.650 | 36.8 | 34.9 | 80 | 0 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 45 | 26.650 | 34.9 | 33.0 | 83 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 48 | 26.650 | 36.4 | 34.0 | 80 | 0 | 0 | CI | 250 | | | | | | | | | | | | 0 | 4 | .000 | | | 03-04 |
| 04 45 | 26.650 | 35.8 | 33.3 | 79 | 0 | | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 05 46 | 26.660 | 35.2 | 33.3 | 83 | 1 | | | | | | | | | | | | | | | 1 | | | | | 05-06 |
| 06 46 | 26.665 | 35.7 | 33.6 | 82 | 1 | 1 | SC | 60 | | | | | | | | | | | | 1 | 3 | .015 | | | 06-07 |
| 07 46 | 26.690 | 43.0 | 37.7 | 62 | 6 | | | | | | | | | | | | | | | 5 | | | | | 07-08 |
| 08 46 | 26.700 | 46.6 | 39.0 | 51 | 3 | | | | | | | | | | | | | | | 3 | | | | | 08-09 |
| 09 49 | 26.700 | 49.4 | 40.8 | 48 | 2 | 2 | AC | 80 | | | | | | | | | | | | 2 | 1 | .035 | | | 09-10 |
| 10 45 | 26.680 | 52.1 | 42.1 | 43 | 2 | | | | | | | | | | | | | | | 2 | | | | | 10-11 |
| 11 45 | 26.650 | 53.4 | 42.6 | 40 | 1 | | | | | | | | | | | | | | | 1 | | | | | 11-12 |
| 12 47 | 26.630 | 55.2 | 43.3 | 37 | 1 | 0 | CU | 40 | 1 | AC | 90 | 1 | | | | | | | | 1 | 7 | .070 | | | 12-13 |
| 13 47 | 26.625 | 55.1 | 42.8 | 35 | 3 | | | | | | | | | | | | | | | 3 | | | | | 13-14 |
| 14 51 | 26.620 | 55.0 | 41.9 | 31 | 6 | | | | | | | | | | | | | | | 5 | | | | | 14-15 |
| 15 47 | 26.630 | 53.4 | 41.6 | 35 | 4 | 1 | CU | 40 | 4 | AC | 90 | 4 | | | | | | | | 4 | 5 | .000 | | | 15-16 |
| 16 51 | 26.620 | 49.6 | 40.0 | 42 | 2 | | | | | | | | | | | | | | | 2 | | | | | 16-17 |
| 17 54 | 26.630 | 47.3 | 39.8 | 52 | 0 | | | | | | | | | | | | | | | 0 | | | | | 17-18 |
| 18 55 | 26.630 | 43.0 | 37.5 | 61 | 0 | 0 | AC | 90 | | | | | | | | | | | | 0 | 5 | .000 | | | 18-19 |
| 19 52 | 26.640 | 40.9 | 36.6 | 68 | 0 | | | | | | | | | | | | | | | 0 | | | | | 19-20 |
| 20 47 | 26.640 | 43.8 | 37.0 | 53 | 0 | | | | | | | | | | | | | | | 0 | | | | | 20-21 |
| 21 50 | 26.640 | 45.0 | 37.5 | 50 | 0 | | | | | | | | | | | | | | | 0 | 1 | .010 | | | 21-22 |
| 22 55 | 26.640 | 43.0 | 36.8 | 56 | 0 | | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 23 46 | 26.620 | 43.8 | 36.5 | 50 | 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 | PRECIP. ORIGIN 49 | STATE OF GRND. 50 | 51 | 52 | 53 | 54 | 55 | SOIL TEMP. 56 | 57 | 58 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MID. TO 0345 | X | 0 | 0 | X | 41 | 34 | X | X | | | | | | X | | |
| | 0345 | 1 | 0 | 0 | 0 | 42 | 34 | | 0 | | | | | | | | |
| | 0945 | 2 | 0 | 0 | 0 | 50 | 34 | | 0 | | | | | | | | |
| | 1545 | 3 | 0 | 0 | 0 | 57 | 49 | | 0 | | | | | | | | |
| | 2145 | 4 | 0 | 0 | 0 | 54 | 40 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 45 | 41 | X | X | | | | | | X | | |

## STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0348 | 0948 | 1547 | 2152 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.650 | 26.700 | 26.630 | 26.640 |
| BAROGRAPH 64 | 26.650 | 26.700 | 26.630 | 26.640 |
| BAR. CORR. 65 | +0 | 0 | 0 | 0 |

## SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

| 24-HR. MAX. TEMP. (°F) 66 | 24-HR. MIN. TEMP. (°F) 67 | 24-HR. PRECIP. WATER EQUIV. (Ins.) 68 | 24-HR. SNOWFALL UNMLTD (Ins.) 69 | SNOW DEPTH (Ins.) 70 | PEAK WIND SPEED (Kts.) 71 | PEAK WIND DIRECTION 72 | PEAK WIND TIME (L.S.T.) 73 | THICKNESS OF ICE ON WATER (Ins.) 74 | FROZEN GROUND LAYER (Ins.) TOP 75 | FROZEN GROUND LAYER (Ins.) BASE 76 | RIVER GAGE 77 | SKY COVER SUNRISE TO SUNSET 78 | SKY COVER MIDNIGHT TO MIDNIGHT 79 | WATER EQUIV. (Ins.) 80 | 81 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 57 | 34 | 0 | 0 | 0 | 19 | SE | 1258 | | | | | 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:

MF1-10B

☆ U.S.GPO:1977-0-765-005/1131

MF1-10A
(1-77)

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

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: 1978 NOV 2 4

TO CONVERT LST TO GMT ADD 8 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) | ALTIM. ETER SETTING (Ins.) (12) | REMARKS AND SUPPLEMENTAL CODED DATA (13) | TO OVERVIEW DETAIL (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R | 0050 | CLR | 20 | | | 156 | 44 | 27 | 05 | 02 | | 002 | 810 | GH |
| R | 0148 | CLR | 20 | | | 154 | 42 | 28 | 02 | 12 | | 001 | FEW AC | GH |
| R | 0251 | 250 SCT | 20 | | | 142 | 42 | 30 | 02 | 04 | | 997 | FEW AC | GH |
| R | 0349 | E140 BKN 250 OVC | 20 | | | 142 | 43 | 26 | 01 | 08 | | 997 | 614 1017 40 RADAT | MR |
| / | | | | | | | | | | | | | 66070 | / |
| R | 0445 | E120 OVC | 20 | | | 144 | 43 | 25 | 02 | 13 | | 997 | | MR |
| R | 0547 | E140 BKN 250 OVC | 20 | | | 146 | 43 | 24 | 03 | 10 | | 997 | | MR |
| R | 0646 | E140 OVC | 20 | | | 146 | 42 | 26 | 05 | 10 | | 996 | 803 151/ | MR |
| R | 0747 | E120 OVC | 20 | | | 147 | 44 | 25 | 05 | 11 | | 997 | SC N | MR |
| R | 0845 | E120 OVC | 20 | | | 146 | 44 | 25 | 03 | 10 | | 997 | | MR |
| R | 0948 | 80 SCT E130 OVC | 20 | | | 139 | 46 | 24 | 03 | 11 | | 995 | 803 107/ 39 | MR |
| R | 1045 | E130 OVC | 20 | | | 127 | 47 | 25 | 04 | 11 | | 992 | SWU OVR MTNS SE-S | MR |
| R | 1146 | E130 OVC | 20 | | | 103 | 48 | 25 | 05 | 10 | | 985 | SWU OVR MTNS SE-S | MR |
| / | | | | | | | | | | | | | PRESFR | / |
| R | 1248 | E120 OVC | 20 | | | 084 | 48 | 30 | 09 | 14 | | 980 | SWU OVR MTNS SE-S | MR |
| / | | | | | | | | | | | | | 847 101/ | / |
| R | 1348 | E35 BKN 100 OVC | 10 | | R- | 090 | 46 | 33 | 09 | 17 | | 981 | RB37 | MR |
| R | 1452 | E35 OVC | 10 | | R- | 093 | 42 | 38 | 12 | 12 | | 981 | | MR |
| R | 1548 | E30 OVC | 10 | | R- | 087 | 43 | 37 | 03 | 10 | | 980 | 00003 102/ 48 RADAT 47058 | GH |
| R | 1652 | E30 OVC | 10 | | R- | 088 | 41 | 38 | 02 | 12 | | 980 | OCNL R | GH |
| R | 1747 | E30 OVC | 10 | | R- | 088 | 41 | 38 | 01 | 10 | | 980 | OCNL R | GH |
| R | 1846 | E30 OVC | 10 | | R- | 097 | 40 | 38 | 03 | 04 | | 982 | 30727 102/ | GH |
| R | 1948 | E30 OVC | 10 | | R- | 097 | 38 | 36 | 05 | 03 | | 982 | OCNL R | GH |
| R | 2045 | E30 OVC | 10 | | R- | 101 | 38 | 37 | 18 | 03 | | 983 | | GH |
| Rs | 2149 | 5 SCT E20 OVC | 5 | | R- | 101 | 38 | 37 | 19 | 03 | | 983 | OCNL R / 10356 172/ 48 | GH |
| Rs | 2250 | 5 SCT E30 OVC | 10 | | R- | 103 | 38 | 37 | 20 | 01 | | 984 | | GH |
| R | 2351 | 5 SCT E30 OVC | 10 | | R- | 105 | 39 | 38 | 02 | 03 | | 985 | | GH |

A synoptic observation, in WMO code format FM11D, is entered on line following related aviation observation.

FM11D: IIiii Nddff VVwwW PPPTT $N_hC_LhC_MC_H$ $T_dT_dapp$ $6P_oP_oP_oP_o$ 7RRR,s $8N_sCh$ $h_s$ 9SpSpspsp $2R_{24}R_{24}R_{24}R_{24}$ $3P_wP_wH_wH_w$ $d_wd_wP_wH_wH_w$ $4T_xT_xT_nT_n$

☆ U.S.GPO:1977-0-765-005/1111

MF1-10B
(2-77)

U. S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO DESERT ROCK, NV

DATE: APR 1979 1

To convert LST to GMT ADD 8 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 | 26.610 | 44.4 | 37.2 | 51 | 0 | | | | | | | | | | | | | | | 0 | 8 | .03 c | | | 00-01 |
| 01 48 | 26.600 | 41.8 | 35.8 | 57 | 0 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 51 | 26.570 | 42.3 | 36.8 | 60 | 2 | | | | | | | | | | | | | | | 2 | | | | | 02-03 |
| 03 49 | 26.570 | 43.3 | 36.0 | 49 | 10 | 6 | AS | E140 | 4 | CS | 250 | 10 | | | | | | | | 10 | 6 | .040 | | | 03-04 |
| 04 45 | 26.570 | 43.0 | 35.5 | 48 | 10 | | | | | | | | | | | | | | | 10 | | | | | 04-05 |
| 05 47 | 26.570 | 42.9 | 35.2 | 46 | 10 | | | | | | | | | | | | | | | 10 | | | | | 05-06 |
| 06 46 | 26.560 | 42.3 | 35.5 | 51 | 10 | 0 | SC | 40 | 10 | AS | E140 | 10 | | | | | | | | 10 | 8 | .010 | | | 06-07 |
| 07 47 | 26.565 | 43.6 | 36.0 | 48 | 10 | | | | | | | | | | | | | | | 10 | | | | | 07-08 |
| 08 45 | 26.565 | 44.2 | 36.2 | 46 | 10 | | | | | | | | | | | | | | | 10 | | | | | 08-09 |
| 09 48 | 26.550 | 45.6 | 36.9 | 43 | 10 | 2 | AC | 80 | 8 | AS | E130 | 10 | | | | | | | | 10 | 8 | .010 | | | 09-10 |
| 10 45 | 26.520 | 46.9 | 37.8 | 43 | 10 | | | | | | | | | | | | | | | 10 | | | | | 10-11 |
| 11 46 | 26.460 | 48.2 | 38.5 | 40 | 10 | | | | | | | | | | | | | | | 10 | | | | | 11-12 |
| 12 48 | 26.410 | 47.7 | 39.9 | 51 | 10 | 10 | AS | E120 | | | | | | | | | | | | 10 | 8 | .140 | | | 12-13 |
| 13 48 | 26.420 | 45.8 | 39.7 | 60 | 10 | | | | | | | | | | | | | | | 10 | | | | | 13-14 |
| 14 52 | 26.420 | 42.0 | 39.8 | 84 | 10 | | | | | | | | | | | | | | | 10 | | | | | 14-15 |
| 15 48 | 26.410 | 43.0 | 40.2 | 80 | 10 | 10 | NS | E30 | | | | | | | | | | | | 10 | 0 | .000 | | | 15-16 |
| 16 52 | 26.410 | 41.2 | 39.6 | 88 | 10 | | | | | | | | | | | | | | | 10 | | | | | 16-17 |
| 17 47 | 26.410 | 40.8 | 39.5 | 90 | 10 | | | | | | | | | | | | | | | 10 | | | | | 17-18 |
| 18 46 | 26.430 | 39.5 | 38.5 | 92 | 10 | 10 | NS | E30 | | | | | | | | | | | | 10 | 3 | .020 | | | 18-19 |
| 19 48 | 26.430 | 38.0 | 37.0 | 92 | 10 | | | | | | | | | | | | | | | 10 | | | | | 19-20 |
| 20 45 | 26.440 | 38.0 | 37.5 | 96 | 10 | | | | | | | | | | | | | | | 10 | | | | | 20-21 |
| 21 49 | 26.440 | 38.0 | 37.6 | 97 | 10 | 1 | STRA | 5 | 10 | NS | E20 | 10 | | | | | | | | 10 | 1 | .010 | | | 21-22 |
| 22 50 | 26.450 | 38.0 | 37.5 | 96 | 10 | | | | | | | | | | | | | | | 10 | | | | | 22-23 |
| 23 51 | 26.460 | 39.2 | 38.6 | 95 | 10 | | | | | | | | | | | | | | | 10 | | | | | 23-24 |

## SYNOPTIC OBSERVATIONS

| TIME (G.M.T.) 41 | TIME (L.S.T.) 42 | NO. 43 | PRECIP. (Ins.) 44 | SNOW FALL (Ins.) 45 | SNOW DEPTH (Ins.) 46 | MAX. TEMP. (°F) 47 | MIN. TEMP. (°F) 48 | PRECIP. ORIGIN 49 | STATE OF GRND. 50 | 51 | 52 | 53 | 54 | 55 | SOIL TEMP. 56 | 57 | 58 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MID. TO 0345 | | 0 | 0 | | 45 | 40 | | | | | | | | | | |
| | 0345 | 1 | 0 | 0 | 0 | 45 | 40 | | 0 | | | | | | | | |
| | 0944 | 2 | 0 | 0 | 0 | 46 | 39 | | 0 | | | | | | | | |
| | 1545 | 3 | .03 | 0 | 0 | 48 | 41 | | 1 | | | | | | | | |
| | 2145 | 4 | .56 | 0 | 0 | 43 | 36 | | 2 | | | | | | | | |
| | MID. | | .03 | 0 | 0 | 39 | 37 | | | | | | | | | | |

## STATION PRESSURE COMPUTATIONS

| TIME (L.S.T.) 59 | 0348 | 0947 | 1548 | 2149 |
|---|---|---|---|---|
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.570 | 26.550 | 26.410 | 26.440 |
| BAROGRAPH 64 | 26.570 | 26.550 | 26.410 | 26.430 |
| BAR. CORR. 65 | 0 | 0 | 0 | +010 |

## SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

| 24-HR. MAX. TEMP. (°F) 66 | 24-HR. MIN. TEMP. (°F) 67 | 24-HR. PRECIP. WATER EQUIV. (Ins.) 68 | 24-HR. SNOWFALL 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 48 | 36 | .62 | 0 | 0 | 22 | E | 1357 | | | | | 10 | | | |

## WEATHER & OBSTRUCTIONS TO VISION

| TYPE 82 | BEGAN 83 | ENDED 84 | TYPE 86 | BEGAN 87 | ENDED 88 |
|---|---|---|---|---|---|
| R- | 1337 | CONT. | | | |

## 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:

MF1-10B

☆ U.S.GPO:1977-0-765-005/1131

MF1-10A
(1-77)

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

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: 1978 NOV 2 5

TO CONVERT LST TO GMT: ADD 8 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) | NOTICE OF INITIAL (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| RS | 0048 | E 20 OVC | 10 | | R- | 106 | 39 | 38 | 24 | 02 | | 985 | 10703 102/ | GH |
| R | 0146 | E 20 OVC | 10 | | R- | 111 | 40 | 38 | 18 | 01 | | 986 | | GH |
| R | 0251 | E 20 OVC | 10 | | R- | 116 | 40 | 39 | 19 | 01 | | 987 | | GH |
| RS | 0347 | E 30 OVC | 10 | | R- | 116 | 40 | 38 | 00 | 00 | | 987 | 10705 102/ 20064 37 | MR |
| | | | | | | | | | | | | | NADAT 00052 | |
| R | 0445 | E 30 OVC | 15 | | | 118 | 40 | 39 | 00 | 00 | | 988 | RE40 | MR |
| R | 0545 | 50 SCT E 100 OVC | 20 | | | 124 | 41 | 39 | 01 | 02 | | 990 | | MR |
| R | 0648 | 50 SCT E 100 OVC | 20 | | | 136 | 39 | 38 | 34 | 03 | | 992 | BINOVC NW 31500 157/ | MR |
| R | 0747 | E90 OVC | 20 | | | 147 | 40 | 38 | 35 | 02 | | 995 | BINOVC W-NW FBANK | MR |
| | | | | | | | | | | | | | BASE MTNS SE | |
| R | 0848 | E90 OVC | 20 | | | 150 | 42 | 37 | 30 | 02 | | 997 | CUFRA TPG MTNS ALCDS | MR |
| | | | | | | | | | | | | | BINOVC W-NW | |
| R | 0947 | E90 OVC | 20 | | | 155 | 43 | 36 | 24 | 07 | | 998 | CUFRA TPG MTNS N-E-SE | MR |
| | | | | | | | | | | | | | BINOVC SW-NW 11900 1770 36 | |
| R | 1047 | E100 BKN | 20 | | | 151 | 45 | 31 | 20 | 09 | | 997 | SC NE | MR |
| R | 1148 | E100 BKN | 20 | | | 142 | 46 | 31 | 20 | 04 | | 995 | SC NE SE | MR |
| R | 1247 | 120 SCT | 20 | | | 131 | 49 | 28 | 18 | 05 | | 993 | ACSL ALCDS 817 1540 | MR |
| R | 1345 | 120 SCT | 20 | | | 127 | 50 | 28 | 19 | 08 | | 992 | ACSL N-E-S | MR |
| R | 1451 | 120 SCT | 20 | | | 131 | 51 | 26 | 20 | 07 | | 993 | SC NE S-SW | MR |
| R | 1548 | CLR | 20 | | | 127 | 50 | 27 | 21 | 09 | | 992 | 803 1540 51 RADAT 58067 | GH |
| R | 1652 | CLR | 20 | | | 134 | 45 | 32 | 29 | 02 | | 993 | FEW SC SE | GH |
| R | 1747 | CLR | 20 | | | 138 | 43 | 31 | 36 | 02 | | 994 | | GH |
| R | 1845 | CLR | 20 | | | 145 | 40 | 33 | 01 | 05 | | 995 | 210 | GH |
| R | 1945 | CLR | 20 | | | 149 | 37 | 33 | 03 | 02 | | 996 | | GH |
| R | 2047 | CLR | 20 | | | 149 | 37 | 32 | 00 | 00 | | 996 | | GH |
| R | 2149 | CLR | 20 | | | 154 | 35 | 32 | 10 | 01 | | 997 | 307 51 | GH |
| R | 2245 | CLR | 20 | | | 156 | 34 | 31 | 00 | 00 | | 998 | | GH |
| R | 2347 | CLR | 20 | | | 156 | 34 | 32 | 15 | 02 | | 998 | | GH |

A synoptic observation, in WMO code format FM11D, is entered on line following related aviation observation.

FM11D: Iliii NddFf VVwwW PPPTT $N_hC_LhC_MC_H$ $T_dT_dapp$ $6P_oP_oP_oP_o$ 7RRRis $8N_sCh\ h_s$ $9S_pS_pS_pS_p$ $2R_{24}R_{24}R_{24}R_{24}$ $3P_wP_wH_wH_w$ $d_wd_wP_wH_wH_w$ $4T_xT_xT_nT_n$

☆ U.S. GPO:1977-0-765-005/1111

MF1-10B
(2-77)

U. S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: 1978 NOV 8 5

To convert LST to GMT ADD 8 hrs.

| TIME (L.S.T.) 16 | STATION PRESSURE (Ins.) 17 | DRY BULB (°F) 18 | WET BULB (°F) 19 | REL. HUMIDITY (%) 20 | TOTAL SKY COVER 21 | CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT. 22 | LOWEST LAYER TYPE 23 | LOWEST LAYER HEIGHT 24 | SECOND LAYER AMT. 25 | SECOND LAYER TYPE 26 | SECOND LAYER HEIGHT 27 | SUMMATION TOTAL 28 | THIRD LAYER AMT. 29 | THIRD LAYER TYPE 30 | THIRD LAYER HEIGHT 31 | SUMMATION TOTAL 32 | FOURTH LAYER AMT. 33 | FOURTH LAYER TYPE 34 | FOURTH LAYER HEIGHT 35 | TOTAL OPAQUE SKY COVER 36 | PRESSURE TENDENCY 37 | NET 3-HR. CHANGE (Ins.) 38 | SUNSHINE (Min.) 39 | PRECIPITATION (Ins.) 40 | HR. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00 48 | 26.460 | 39.0 | 38.5 | 96 | 10 | 10 | NS | E20 | | | | | | | | | | | | 10 | 1 | .020 | | | 00-01 |
| 01 46 | 26.470 | 39.5 | 38.9 | 95 | 10 | | | | | | | | | | | | | | | 10 | | | | | 01-02 |
| 02 51 | 26.480 | 39.8 | 39.4 | 97 | 10 | | | | | | | | | | | | | | | 10 | | | | | 02-03 |
| 03 47 | 26.480 | 39.8 | 39.0 | 94 | 10 | 10 | NS | E30 | | | | | | | | | | | | 10 | 1 | .020 | | | 03-04 |
| 04 45 | 26.485 | 40.4 | 39.5 | 93 | 10 | | | | | | | | | | | | | | | 10 | | | | | 04-05 |
| 05 45 | 26.500 | 40.5 | 39.6 | 93 | 10 | | | | | | | | | | | | | | | 10 | | | | | 05-06 |
| 06 48 | 26.525 | 39.0 | 38.5 | 96 | 10 | 2 | SC | 50 | 8 | AC | E100 | 10 | | | | | | | | 9 | 3 | .045 | | | 06-07 |
| 07 47 | 26.550 | 40.4 | 39.4 | 92 | 10 | | | | | | | | | | | | | | | 10 | | | | | 07-08 |
| 08 48 | 26.565 | 41.8 | 39.6 | 84 | 10 | | | | | | | | | | | | | | | 10 | | | | | 08-09 |
| 09 47 | 26.580 | 43.4 | 39.7 | 74 | 10 | 0 | CU | 12 | 10 | AC | E90 | 10 | | | | | | | | 9 | 1 | .055 | | | 09-10 |
| 10 47 | 26.570 | 45.2 | 38.9 | 58 | 9 | | | | | | | | | | | | | | | 8 | | | | | 10-11 |
| 11 48 | 26.550 | 46.2 | 39.5 | 56 | 9 | | | | | | | | | | | | | | | 9 | | | | | 11-12 |
| 12 47 | 26.530 | 48.7 | 39.7 | 45 | 4 | 0 | SC | 35 | 4 | AC | 120 | 4 | | | | | | | | 4 | 8 | .050 | | | 12-13 |
| 13 45 | 26.520 | 50.3 | 40.4 | 42 | 2 | | | | | | | | | | | | | | | 2 | | | | | 13-14 |
| 14 51 | 26.530 | 50.8 | 40.0 | 37 | 1 | | | | | | | | | | | | | | | 1 | | | | | 14-15 |
| 15 48 | 26.520 | 50.3 | 40.2 | 40 | 0 | 0 | SC | 35 | 0 | AC | 120 | 0 | | | | | | | | 0 | 8 | .010 | | | 15-16 |
| 16 52 | 26.530 | 45.0 | 39.0 | 59 | 0 | | | | | | | | | | | | | | | 0 | | | | | 16-17 |
| 17 47 | 26.540 | 43.2 | 37.8 | 62 | 0 | | | | | | | | | | | | | | | 0 | | | | | 17-18 |
| 18 45 | 26.550 | 39.8 | 36.8 | 77 | 0 | | | | | | | | | | | | | | | 0 | 2 | .030 | | | 18-19 |
| 19 45 | 26.560 | 37.3 | 35.2 | 83 | 0 | | | | | | | | | | | | | | | 0 | | | | | 19-20 |
| 20 47 | 26.560 | 36.7 | 34.7 | 83 | 0 | | | | | | | | | | | | | | | 0 | | | | | 20-21 |
| 21 49 | 26.570 | 34.8 | 33.5 | 88 | 0 | | | | | | | | | | | | | | | 0 | 3 | .020 | | | 21-22 |
| 22 45 | 26.580 | 34.4 | 33.0 | 88 | 0 | | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 23 47 | 26.580 | 34.0 | 33.0 | 91 | 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 | PRECIP. ORIGIN 49 | STATE OF GRND. 50 | 51 | 52 | 53 | 54 | 55 | SOIL TEMP. 56 | 57 | 58 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MID. TO 0343 | X | .02 | 0 | X | 40 | 39 | X | X | | | | | | X | | |
| | 0343 | 1 | .05 | 0 | 0 | 40 | 37 | | 2 | | | | | | | | |
| | 0943 | 2 | T | 0 | 0 | 44 | 38 | | 2 | | | | | | | | |
| | 1545 | 3 | 0 | 0 | 0 | 51 | 43 | | 2 | | | | | | | | |
| | 2145 | 4 | 0 | 0 | 0 | 50 | 34 | | 1 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 35 | 32 | X | X | | | | | | X | | |

## STATION PRESSURE COMPUTATIONS

| TIME (L.S.T.) 59 | 0346 | 0943 | 1548 | 2145 |
|---|---|---|---|---|
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.480 | 26.580 | 26.520 | 26.570 |
| BAROGRAPH 64 | 26.480 | 26.580 | 26.530 | 26.570 |
| BAR. CORR. 65 | 0 | 0* | -.010 | 0 |

## SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

| 24-HR. MAX. TEMP. (°F) 66 | 24-HR. MIN. TEMP. (°F) 67 | 24-HR. PRECIP. WATER EQUIV. (Ins.) 68 | 24-HR. SNOWFALL UNMLTD (Ins.) 69 | SNOW DEPTH (Ins.) 70 | PEAK WIND SPEED (Kts.) 71 | PEAK WIND DIRECTION 72 | PEAK WIND TIME (L.S.T.) 73 | THICKNESS OF ICE ON WATER (Ins.) 74 | FROZEN GROUND LAYER (Ins.) TOP 75 | FROZEN GROUND LAYER (Ins.) BASE 76 | RIVER GAGE 77 | SKY COVER SUNRISE TO SUNSET 78 | SKY COVER MIDNIGHT TO MIDNIGHT 79 | WATER EQUIV. (Ins.) 80 | 81 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 57 | 32 | .02 | 0 | 0 | 13 | 5 | 1340 | | | | | 7 | | | |

## WEATHER & OBSTRUCTIONS TO VISION

| TYPE 82 | BEGAN 83 | ENDED 84 | TYPE 86 | BEGAN 87 | ENDED 88 |
|---|---|---|---|---|---|
| R- | CONT. | 0440 | | | |

## 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:

* BAROGRAPH CHANGED AND RESET TO ZERO CORR.

MF1-10B

☆ U.S.GPO:1977-0-765-005/1131

MF1-10A
1-77

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

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: 1978 NOV 2 6

TO CONVERT LST TO GMT ADD 8 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) | SIGNERS INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R | 0050 | CLR | 20 | | | 155 | 33 | 30 | 00 | 00 | | 998 | 103 | GH |
| R | 0148 | CLR | 20 | | | 154 | 32 | 29 | 00 | 00 | | 998 | | GH |
| R | 0252 | CLR | 20 | | | 159 | 32 | 28 | 14 | 02 | | 999 | | GH |
| R | 0347 | CLR | 20 | | | 154 | 33 | 29 | 00 | 00 | | 998 | 000 31 RADAT 51062 | JK |
| R | 0455 | CLR | 20 | | | 162 | 33 | 29 | 36 | 04 | | 999 | | JK |
| R | 0547 | 250 - SCT | 20 | | | 164 | 37 | 26 | 04 | 09 | | 001 | | JK |
| R | 0650 | 250 - BKN | 20 | | | 168 | 37 | 24 | 36 | 10 | | 002 | 210 1004 | JK |
| R | 0748 | 250 - BKN | 20 | | | 181 | 38 | 24 | 02 | 10 | | 005 | AC W | JK |
| R | 0849 | 250 - SCT | 20 | | | 184 | 40 | 22 | 04 | 17 | | 006 | | JK |
| R | 0947 | 250 - SCT | 20 | | | 186 | 42 | 21 | 03 | 16 | | 007 | 215 1001 31 | JK |
| R | 1050 | CLR | 20 | | | 179 | 45 | 19 | 05 | 14 | | 005 | CU S OBSCG MTN TPS | JK |
| R | 1147 | CLR | 20 | | | 170 | 47 | 23 | 02 | 10 | | 003 | CU SSE | JK |
| R | 1250 | CLR | 20 | | | 163 | 47 | 23 | 01 | 10 | | 001 | 819 1100 | JK |
| R | 1346 | CLR | 20 | | | 159 | 49 | 22 | 36 | 11 | | 999 | CU S | JK |
| R | 1450 | CLR | 20 | | | 156 | 48 | 23 | 03 | 12 | | 998 | | JK |
| R | 1548 | CLR | 20 | | | 155 | 48 | 22 | 02 | 11 | | 998 | 607 49 RADAT 54063 | HG |
| R | 1647 | CLR | 20 | | | 162 | 44 | 25 | 02 | 09 | | 999 | | HG |
| R | 1745 | CLR | 20 | | | 165 | 41 | 28 | 02 | 07 | | 001 | | HG |
| R | 1847 | CLR | 20 | | | 174 | 39 | 28 | 34 | 08 | | 003 | ~~390~~ 314 | HG |
| R | 1946 | CLR | 20 | | | 177 | 40 | 25 | 35 | 10 | | 004 | | HG |
| R | 2045 | CLR | 20 | | | 181 | 37 | 27 | 36 | 08 | | 005 | | HG |
| R | 2145 | CLR | 20 | | | 180 | 37 | 26 | 35 | 10 | | 005 | 107 49 | HG |
| R | 2245 | CLR | 20 | | | 189 | 36 | 25 | 35 | 10 | | 008 | | HG |
| R | 2349 | CLR | 20 | | | 196 | 36 | 25 | 35 | 10 | | 011 | | HG |

A synoptic observation, in WMO code format FM11D, is entered on line following related aviation observation.

FM11D: IIiii Nddff VVwwW PPPTT $N_hC_LhC_MC_H$ $T_dT_dapp$ $6P_oP_oP_oP_o$ 7RRR,s $8N_sCh\ h_s$ $95pSpspsp$ $2R_{24}R_{24}R_{24}R_{24}$ $3P_wP_wH_wH_w$ $d_wd_wP_wH_wH_w$ $4T_xT_xT_nT_n$

☆ U.S.GPO:1977-0-765-005/1111

MF1-10B
(2-77)

U. S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: 1978 NOV 26

To convert LST to GMT ADD 7 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 | 26.580 | 33.0 | 31.8 | 89 | 0 | | | | | | | | | | | | | | | 0 | 1 | .010 | | | 00-01 |
| 01 48 | 26.580 | 32.3 | 31.0 | 88 | 0 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 52 | 26.590 | 31.6 | 30.3 | 87 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 47 | 26.580 | 32.5 | 30.9 | 85 | 0 | | | | | | | | | | | | | | | 0 | 0 | .000 | | | 03-04 |
| 04 55 | 26.590 | 33.0 | 31.2 | 85 | 0 | | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 05 47 | 26.600 | 37.2 | 32.9 | 64 | 4 | | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 06 50 | 26.610 | 37.0 | 32.0 | 59 | 7 | 7 | Ci | 250 | | | | | | | | | | | | 1 | 2 | .030 | | | 06-07 |
| 07 48 | 26.635 | 38.0 | 32.5 | 57 | 7 | | | | | | | | | | | | | | | 2 | | | | | 07-08 |
| 08 49 | 26.645 | 37.8 | 33.1 | 48 | 4 | | | | | | | | | | | | | | | 1 | | | | | 08-09 |
| 09 47 | 26.655 | 42.1 | 34.1 | 43 | 1 | 1 | Ci | 250 | | | | | | | | | | | | 0 | 2 | .045 | | | 09-10 |
| 10 50 | 26.640 | 45.2 | 35.3 | 35 | 0 | | | | | | | | | | | | | | | 0 | | | | | 10-11 |
| 11 47 | 26.620 | 46.8 | 37.1 | 39 | 0 | | | | | | | | | | | | | | | 0 | | | | | 11-12 |
| 12 50 | 26.600 | 47.2 | 37.5 | 39 | 0 | 0 | Cu | 90 | | | | | | | | | | | | 0 | 8 | .055 | | | 12-13 |
| 13 46 | 26.590 | 48.7 | 37.9 | 34 | 0 | | | | | | | | | | | | | | | 0 | | | | | 13-14 |
| 14 50 | 26.580 | 48.2 | 38.0 | 37 | 0 | | | | | | | | | | | | | | | 0 | | | | | 14-15 |
| 15 48 | 26.580 | 47.7 | 37.2 | 35 | 0 | | | | | | | | | | | | | | | 0 | 6 | .020 | | | 15-16 |
| 16 47 | 26.590 | 44.3 | 36.3 | 46 | 0 | | | | | | | | | | | | | | | 0 | | | | | 16-17 |
| 17 45 | 26.600 | 40.7 | 35.2 | 59 | 0 | | | | | | | | | | | | | | | 0 | | | | | 17-18 |
| 18 47 | 26.620 | 39.0 | 34.3 | 63 | 0 | | | | | | | | | | | | | | | 0 | 3 | .040 | | | 18-19 |
| 19 46 | 26.630 | 40.2 | 34.0 | 54 | 0 | | | | | | | | | | | | | | | 0 | | | | | 19-20 |
| 20 45 | 26.640 | 37.3 | 33.0 | 65 | 0 | | | | | | | | | | | | | | | 0 | | | | | 20-21 |
| 21 45 | 26.640 | 36.7 | 32.3 | 64 | 0 | | | | | | | | | | | | | | | 0 | 1 | .020 | | | 21-22 |
| 22 45 | 26.670 | 36.3 | 32.0 | 64 | 0 | | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 23 49 | 26.690 | 36.3 | 32.0 | 64 | 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 | PRECIP. ORIGIN 49 | STATE OF GRND. 50 | 51 | 52 | 53 | 54 | 55 | SOIL TEMP. 56 | 57 | 58 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MID. TO 0345 | X | 0 | 0 | X | 35 | 31 | X | X | | | | | | X | | |
| | 0345 | 1 | 0 | 0 | 0 | 35 | 31 | | 0 | | | | | | | | |
| | 0945 | 2 | 0 | 0 | 0 | 42 | 31 | | 0 | | | | | | | | |
| | 1544 | 3 | 0 | 0 | 0 | 49 | 42 | | 0 | | | | | | | | |
| | 2141 | 4 | 0 | 0 | 0 | 48 | 36 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 37 | 35 | X | X | | | | | | X | | |

## STATION PRESSURE COMPUTATIONS

| TIME (L.S.T.) 59 | 0346 | 0946 | 1548 | 2145 |
|---|---|---|---|---|
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.580 | 26.655 | 26.580 | 26.640 |
| BAROGRAPH 64 | 26.580 | 26.655 | 26.590 | 26.645 |
| 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 (Ins.) TOP 75 | FROZEN GROUND LAYER (Ins.) BASE 76 | RIVER GAGE 77 | SKY COVER SUNRISE TO SUNSET 78 | SKY COVER MIDNIGHT TO MIDNIGHT 79 | WATER EQUIV. (Ins.) 80 | 81 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 49 | 31 | 0 | 0 | 0 | 24 | N | 1013 | | | | | 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:

MF1-10B

☆ U.S.GPO:1977-0-765-005/1131

MF1-10A
(1-77)

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

STATION: WSMO, DESERT ROCK, NV

# SURFACE WEATHER OBSERVATIONS

DATE: 1978 NOV 27

TO CONVERT LST TO GMT ADD 8 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) | SUPERVISOR INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R | 0050 | CLR | 20 | | | 201 | 35 | 26 | 36 | 08 | | 012 | 120 | LL |
| R | 0145 | CLR | 20 | | | 207 | 36 | 25 | 03 | 10 | | 014 | | LL |
| R | 0252 | CLR | 20 | | | 212 | 35 | 24 | 01 | 08 | | 015 | | LL |
| R | 0348 | CLR | 20 | | | 208 | 36 | 24 | 04 | 08 | | 014 | 107 33 RADAT 58045 | JK |
| R | 0452 | CLR | 20 | | | 213 | 36 | 23 | 04 | 10 | | 015 | | JK |
| R | 0548 | CLR | 20 | | | 213 | 35 | 22 | 03 | 11 | | 014 | SC SE | JK |
| R | 0645 | CLR | 20 | | | 219 | 36 | 20 | 03 | 15 | | 016 | 305 1500 | JK |
| R | 0750 | CLR | 20 | | | 232 | 38 | 19 | 03 | 12 | | 020 | CU 5 | JK |
| R | 0850 | CLR | 20 | | | 238 | 40 | 19 | 04 | 14 | | 022 | CU 5 CI NW | JK |
| R | 0950 | 250 - SCT | 20 | | | 239 | 43 | 19 | 04 | 16 | | 023 | 120 1101 33 | JK |
| R | 1047 | 250 - BKN | 20 | | | 236 | 46 | 20 | 05 | 12 | | 022 | CU 5 | JK |
| R | 1149 | 250 - OVC | 20 | | | 235 | 47 | 21 | 09 | 10 | | 023 | | JK |
| R | 1247 | 250 - OVC | 20 | | | 229 | 50 | 21 | 02 | 08 | | 021 | 805 1007 | JK |
| R | 1348 | 250 - BKN | 20 | | | 224 | 49 | 21 | 09 | 12 | | 019 | | JK |
| R | 1450 | 250 - SCT | 20 | | | 226 | 48 | 20 | 09 | 12 | | 019 | | JK |
| R | 1550 | 250 - SCT | 20 | | | 223 | 47 | 19 | 10 | 10 | | 018 | 807 1001 50 RADAT 61062 | LL |
| R | 1652 | CLR | 20 | | | 240 | 44 | 22 | 07 | 05 | | 023 | | LL |
| R | 1746 | CLR | 20 | | | 246 | 42 | 22 | 07 | 07 | | 024 | | LL |
| R | 1846 | CLR | 20 | | | 254 | 41 | 22 | 09 | 07 | | 026 | 124 | LL |
| R | 1946 | 250 SCT | 20 | | | 254 | 40 | 23 | 03 | 05 | | 026 | | LL |
| R | 2047 | 250 SCT | 20 | | | 255 | 40 | 23 | 01 | 08 | | 027 | | LL |
| R | 2146 | 250 SCT | 20 | | | 252 | 43 | 21 | 05 | 06 | | 027 | 103 1008 50 | LL |
| R | 2252 | 250 SCT | 20 | | | 256 | 40 | 23 | 36 | 08 | | 028 | | LL |
| R | 2346 | CLR | 20 | | | 255 | 37 | 22 | 01 | 06 | | 027 | | LL |

A synoptic observation, in WMO code format FM11D, is entered on line following related aviation observation.

FM11D: IIiii Nddff VVwwW PPPTT $N_hC_LhC_MC_H$ $T_dT_dapp$ $6P_oP_oP_oP_o$ 7RRRrs $8N_sCh$ $h_s$ $9S_pS_pS_pS_p$ $2R_{24}R_{24}R_{24}R_{24}$ $3P_wP_wH_wH_w$ $d_wd_wP_wH_wH_w$ $4T_xT_xT_nT_n$

☆ U.S.GPO:1977-0-765-005/1111

MF1-10B
(2-77)

U. S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: 1978 NOV 2 7

To convert LST to GMT ADD 8 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 | 26.700 | 35.4 | 31.5 | 67 | 0 | | | | | | | | | | | | | | | 0 | 1 | .060 | | | 00-01 |
| 01 45 | 26.720 | 35.8 | 31.4 | 63 | 0 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 52 | 26.730 | 35.2 | 31.0 | 64 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 48 | 26.720 | 36.2 | 31.5 | 62 | 0 | | | | | | | | | | | | | | | 0 | 1 | .020 | | | 03-04 |
| 04 52 | 26.730 | 36.0 | 31.0 | 59 | 0 | | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 05 48 | 26.720 | 35.1 | 30.1 | 59 | 0 | | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 06 45 | 26.735 | 35.8 | 30.0 | 52 | 0 | 0 | Sc | 70 | | | | | | | | | | | | 0 | 3 | .015 | | | 06-07 |
| 07 50 | 26.775 | 38.0 | 31.0 | 46 | 0 | | | | | | | | | | | | | | | 0 | | | | | 07-08 |
| 08 50 | 26.790 | 40.2 | 32.4 | 43 | 0 | | | | | | | | | | | | | | | 0 | | | | | 08-09 |
| 09 50 | 26.795 | 43.4 | 34.2 | 38 | 1 | 0 | Cu | 70 | 1 | Ci | 250 | 1 | | | | | | | | 0 | 1 | .060 | | | 09-10 |
| 10 47 | 26.790 | 46.1 | 36.0 | 35 | 2 | | | | | | | | | | | | | | | 2 | | | | | 10-11 |
| 11 49 | 26.795 | 47.0 | 36.8 | 35 | 10 | | | | | | | | | | | | | | | 2 | | | | | 11-12 |
| 12 47 | 26.780 | 49.5 | 38.0 | 32 | 10 | 10 | Cs | 250 | | | | | | | | | | | | 2 | 8 | .015 | | | 12-13 |
| 13 48 | 26.765 | 48.8 | 37.7 | 35 | 7 | | | | | | | | | | | | | | | 2 | | | | | 13-14 |
| 14 50 | 26.770 | 48.2 | 37.2 | 33 | 2 | | | | | | | | | | | | | | | 0 | | | | | 14-15 |
| 15 50 | 26.760 | 47.0 | 36.3 | 33 | 1 | 1 | Ci | 250 | | | | | | | | | | | | 0 | 8 | .020 | | | 15-16 |
| 16 52 | 26.800 | 44.3 | 35.5 | 41 | 0 | | | | | | | | | | | | | | | 0 | | | | | 16-17 |
| 17 46 | 26.810 | 42.3 | 34.3 | 43 | 0 | | | | | | | | | | | | | | | 0 | | | | | 17-18 |
| 18 46 | 26.830 | 41.4 | 34.0 | 47 | 0 | | | | | | | | | | | | | | | 0 | 1 | .070 | | | 18-19 |
| 19 46 | 26.830 | 40.4 | 33.5 | 49 | 2 | | | | | | | | | | | | | | | 2 | | | | | 19-20 |
| 20 47 | 26.840 | 40.4 | 33.6 | 50 | 2 | | | | | | | | | | | | | | | 2 | | | | | 20-21 |
| 21 45 | 26.840 | 42.6 | 34.2 | 41 | 2 | 2 | Cs | 250 | | | | | | | | | | | | 2 | 1 | .010 | | | 21-22 |
| 22 52 | 26.850 | 40.3 | 33.5 | 50 | 2 | | | | | | | | | | | | | | | 2 | | | | | 22-23 |
| 23 46 | 26.840 | 37.0 | 31.4 | 55 | 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 | PRECIP. ORIGIN 49 | STATE OF GRND. 50 | 51 | 52 | 53 | 54 | 55 | SOIL TEMP. 56 | 57 | 58 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MID. TO 0345 | X | 0 | 0 | X | 36 | 33 | X | X | | | | | | X | | |
| | 0345 | 1 | 0 | 0 | 0 | 37 | 33 | | 0 | | | | | | | | |
| | 0946 | 2 | 0 | 0 | 0 | 43 | 34 | | 0 | | | | | | | | |
| | 1545 | 3 | 0 | 0 | 0 | 50 | 43 | | 0 | | | | | | | | |
| | 2142 | 4 | 0 | 0 | 0 | 47 | 38 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 43 | 36 | X | X | | | | | | X | | |

## STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0346 | 0947 | 1550 | 2145 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.720 | 26.795 | 26.760 | 26.840 |
| BAROGRAPH 64 | 26.720 | 26.795 | 26.770 | 26.850 |
| BAR. CORR. 65 | ±.0 | ±.0 | -.010 | -.010 |

## SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

| 24-HR. MAX. TEMP. (°F) 66 | 24-HR. MIN. TEMP. (°F) 67 | 24-HR. PRECIP. WATER EQUIV. (Ins.) 68 | 24-HR. SNOWFALL UNMLTD (Ins.) 69 | SNOW DEPTH (Ins.) 70 | PEAK WIND SPEED (Kts.) 71 | PEAK WIND DIRECTION 72 | PEAK WIND TIME (L.S.T.) 73 | THICKNESS OF ICE ON WATER (Ins.) 74 | FROZEN GROUND LAYER (Ins.) TOP 75 | FROZEN GROUND LAYER (Ins.) BASE 76 | RIVER GAGE 77 | SKY COVER SUNRISE TO SUNSET 78 | SKY COVER MIDNIGHT TO MIDNIGHT 79 | WATER EQUIV. (Ins.) 80 | 81 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 50 | 33 | 0 | 0 | 0 | 20 | NE | 0942 | | | | | 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:

* LAST OF SEVERAL OCCURANCES

MF1-10B

☆ U.S.GPO:1977-0-765-005/1131

MF1-10A
1-77

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

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: 1978 NOV 28

TO CONVERT LST TO GMT ADD 8 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) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R | 0045 | CLR | 20 | | | 246 | 34 | 25 | 08 | 04 | | 025 | 807 | JK |
| R | 0145 | CLR | 20 | | | 255 | 33 | 26 | 15 | 02 | | 027 | | JK |
| R | 0251 | CLR | 20 | | | 247 | 32 | 24 | 00 | 00 | | 025 | | JK |
| R | 0349 | CLR | 20 | | | 250 | 31 | 24 | 08 | 06 | | 025 | 000 30 RADAT 23104 | JK |
| R | 0447 | CLR | 20 | | | 244 | 30 | 25 | 36 | 04 | | 023 | | JK |
| R | 0548 | 250-SCT | 20 | | | 241 | 30 | 25 | 09 | 02 | | 022 | | JK |
| R | 0649 | 250-OVC | 20 | | | 253 | 31 | 23 | 10 | 06 | | 025 | 500 1007 | JK |
| R | 0745 | 160 SCT E250 OVC | 20 | | | 256 | 33 | 23 | 24 | 02 | | 026 | | JK |
| R | 0849 | 160 SCT E250 OVC | 20 | | | 260 | 36 | 23 | 18 | 01 | | 028 | | JK |
| R | 0947 | 160 SCT E250 OVC | 20 | | | 256 | 40 | 22 | 18 | 01 | | 027 | 108? 1077 30 | JK |
| R | 1046 | 160 SCT E250 OVC | 20 | | | 248 | 45 | 20 | 15 | 02 | | 026 | | JK |
| R | 1145 | 160 SCT E 250 OVC | 20 | | | 238 | 47 | 21 | 21 | 05 | | 023 | | JK |
| R | 1245 | 160 SCT 250 - OVC | 20 | | | 230 | 48 | 23 | 14 | 05 | | 020 | 822 1077 | JK |
| R | 1345 | 250 - SCT | 20 | | | 223 | 51 | 19 | 13 | 02 | | 018 | AC SE AND N | JK |
| R | 1452 | 250 - SCT | 20 | | | 215 | 51 | 17 | 24 | 08 | | 016 | | JK |
| R | 1549 | 250 SCT | 20 | | | 216 | 50 | 18 | 20 | 05 | | 016 | 612 1078 53 RADAT 63115 | JK |
| R | 1645 | E160 BKN 250 BKN | 20 | | | 226 | 47 | 24 | 04 | 02 | | 018 | | JK |
| R | 1747 | E160 BKN | 20 | | | 226 | 41 | 30 | 07 | 02 | | 017 | | JK |
| R | 1846 | 160 SCT | 20 | | | 229 | 42 | 26 | 10 | 02 | | 018 | 107 1070 | JK |
| R | 1946 | CLR | 20 | | | 230 | 41 | 25 | 08 | 02 | | 018 | | JK |
| R | 2046 | CLR | 20 | | | 230 | 37 | 28 | 10 | 03 | | 018 | | JK |
| R | 2146 | CLR | 20 | | | 232 | 35 | 29 | 10 | 02 | | 019 | 303 53 | JK |
| R | 2245 | CLR | 20 | | | 225 | 35 | 28 | 36 | 03 | | 018 | | JK |
| R | 2346 | CLR | 20 | | | 226 | 33 | 29 | 10 | 02 | | 018 | | JK |

A synoptic observation, in WMO code format FM11D, is entered on line following related aviation observation.

FM11D: Iiiii Ndaff VVwwW PPPTT $N_hC_LhC_MC_H$ $T_dT_dapp$ $6P_oP_oP_oP_o$ $7RRR_{rs}$ $8N_sCh$ $h_s$ $9S_pS_pS_pS_p$ $2R_{24}R_{24}R_{24}R_{24}$ $3P_wP_wH_wH_w$ $d_wd_wP_wH_wH_w$ $4T_xT_xT_nT_n$

☆ U.S.GPO:1977-0-765-005/1111

MF1-10B
(2-77)

U. S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: 1978 NOV 2 8

To convert LST to GMT ADD 8 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. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0045 | 26.820 | 34.0 | 30.4 | 68 | 0 | | | | | | | | | | | | | | | 0 | 8 | +.020 | | | 00-01 |
| 0145 | 26.840 | 32.6 | 30.0 | 75 | 0 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 0251 | 26.820 | 32.3 | 29.3 | 71 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 0349 | 26.820 | 31.4 | 28.7 | 75 | 0 | | | | | | | | | | | | | | | 0 | 6 | .000 | | | 03-04 |
| 0447 | 26.800 | 30.1 | 28.1 | 82 | 0 | | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 0548 | 26.790 | 30.1 | 28.1 | 82 | 3 | | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 0649 | 26.820 | 31.0 | 28.2 | 72 | 10 | 10 | CS | 250 | | | | | | | | | | | | 2 | 5 | .000 | | | 06-07 |
| 0745 | 26.830 | 32.5 | 29.0 | 66 | 10 | | | | | | | | | | | | | | | 7 | | | | | 07-08 |
| 0849 | 26.845 | 36.0 | 31.0 | 59 | 10 | | | | | | | | | | | | | | | 7 | | | | | 08-09 |
| 0947 | 26.840 | 39.8 | 33.1 | 48 | 10 | 1 | AC | 160 | 9 | CS | E250 | 10 | | | | | | | | 7 | 1 | .020 | | | 09-10 |
| 1046 | 26.830 | 44.8 | 35.2 | 37 | 10 | | | | | | | | | | | | | | | 7 | | | | | 10-11 |
| 1145 | 26.800 | 46.8 | 36.6 | 35 | 10 | | | | | | | | | | | | | | | 6 | | | | | 11-12 |
| 1245 | 26.775 | 47.9 | 37.6 | 37 | 10 | 1 | AC | 160 | 9 | CS | 250 | 10 | | | | | | | | 4 | 8 | .065 | | | 12-13 |
| 1345 | 26.760 | 51.2 | 38.5 | 28 | 4 | | | | | | | | | | | | | | | 1 | | | | | 13-14 |
| 1452 | 26.740 | 51.1 | 38.1 | 26 | 2 | | | | | | | | | | | | | | | 0 | | | | | 14-15 |
| 1549 | 26.740 | 50.0 | 37.5 | 27 | 1 | 0 | AC | 180 | 1 | CS | 250 | 1 | | | | | | | | 1 | 6 | .035 | | | 15-16 |
| 1645 | 26.760 | 47.4 | 37.7 | 39 | 9 | | | | | | | | | | | | | | | 9 | | | | | 16-17 |
| 1749 | 26.750 | 41.3 | 36.3 | 63 | 8 | | | | | | | | | | | | | | | 8 | | | | | 17-18 |
| 1846 | 26.760 | 41.6 | 35.1 | 53 | 5 | 5 | AC | 160 | | | | | | | | | | | | 4 | 1 | .020 | | | 18-19 |
| 1946 | 26.760 | 40.8 | 34.4 | 53 | 0 | | | | | | | | | | | | | | | 0 | | | | | 19-20 |
| 2046 | 26.760 | 36.8 | 33.3 | 71 | 0 | | | | | | | | | | | | | | | 0 | | | | | 20-21 |
| 2146 | 26.770 | 35.3 | 32.6 | 77 | 0 | | | | | | | | | | | | | | | 0 | 3 | .010 | | | 21-22 |
| 2245 | 26.760 | 35.1 | 32.4 | 76 | 0 | | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 2346 | 26.760 | 32.6 | 31.1 | 85 | 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 | PRECIP. ORIGIN 49 | STATE OF GRND. 50 | 51 | 52 | 53 | 54 | 55 | SOIL TEMP. 56 | 57 | 58 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MID. TO 0346 | X | 0 | 0 | X | 37 | 30 | X | X | | | | | | X | | |
| | 0346 | 1 | 0 | 0 | 0 | 43 | 30 | | 0 | | | | | | | | |
| | 0944 | 2 | 0 | 0 | 0 | 40 | 30 | | 0 | | | | | | | | |
| | 1545 | 3 | 0 | 0 | 0 | 53 | 40 | | 0 | | | | | | | | |
| | 2142 | 4 | 0 | 0 | 0 | 50 | 35 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 35 | 33 | X | X | | | | | | X | | |

## STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0348 | 0946 | 1549 | 2146 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.820 | 26.840 | 26.740 | 26.770 |
| BAROGRAPH 64 | 26.820 | 26.845 | 26.755 | 26.770 |
| BAR. CORR. 65 | ±.0 | -.005 | -.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 UNMLTD (Ins.) 69 | SNOW DEPTH (Ins.) 70 | PEAK WIND: SPEED (Kts.) 71 | PEAK WIND: DIRECTION 72 | PEAK WIND: TIME (L.S.T.) 73 | THICKNESS OF ICE ON WATER (Ins.) 74 | FROZEN GROUND LAYER (Ins.): TOP 75 | FROZEN GROUND LAYER (Ins.): BASE 76 | RIVER GAGE 77 | SKY COVER: SUNRISE TO SUNSET 78 | SKY COVER: MIDNIGHT TO MIDNIGHT 79 | WATER EQUIV. (Ins.) 80 | 81 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 53 | 30 | 0 | 0 | 0 | 10 | SW | 1410 | | | | | 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:

MF1-10B

☆ U.S.GPO:1977-0-765-005/1131

MF1-10A
(1-77)

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

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: 1978 NOV 29

TO CONVERT LST TO GMT ADD 8 hrs.

| TYPE (1) | TIME (LST) (2) | SKY AND CEILING (Hundreds of Feet) (3) | VISIBILITY (Miles) SURFACE (4) | VISIBILITY (Miles) TOWER (4a) | WEATHER AND OBSTRUCTIONS TO VISION (5) | SEA LEVEL PRESS. (Mbs.) (6) | TEMP. (°F) (7) | DEW PT. (°F) (8) | WIND DIRECTION (00-36) (9) | WIND SPEED (Kts.) (10) | WIND CHARACTER (11) | ALTIMETER SETTING (Ins.) (12) | REMARKS AND SUPPLEMENTAL CODED DATA (13) | OBSERVERS INITIALS (14) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R | 0048 | CLR | 20 | | | 216 | 33 | 28 | 11 | 02 | | 016 | 710 | HS |
| R | 0148 | CLR | 20 | | | 216 | 33 | 29 | 13 | 02 | | 016 | | HS |
| R | 0251 | CLR | 20 | | | 210 | 35 | 27 | 35 | 04 | | 015 | | HS |
| R | 0348 | CLR | 20 | | | 210 | 34 | 26 | 08 | 04 | | 015 | 805 32 RADAT 71110 | HS |
| R | 0445 | CLR | 20 | | | 217 | 32 | 28 | 17 | 02 | | 016 | | HS |
| R | 0548 | CLR | 20 | | | 219 | 34 | 27 | 10 | 05 | | 016 | | HS |
| R | 0650 | CLR | 20 | | | 227 | 32 | 27 | 09 | 06 | | 018 | 310 1501 | HS |
| R | 0749 | CLR | 20 | | | 226 | 39 | 29 | 20 | 02 | | 019 | | HS |
| R | 0846 | CLR | 20 | | | 227 | 46 | 32 | 11 | 02 | | 020 | | HS |
| R | 0948 | CLR | 20 | | | 226 | 50 | 23 | 20 | 05 | | 020 | 105 1501 32 | HS |
| R | 1045 | CLR | 20 | | | 219 | 53 | 26 | 15 | 04 | | 018 | | HS |
| R | 1147 | CLR | 20 | | | 207 | 55 | 28 | 18 | 05 | | 015 | | HS |
| R | 1248 | CLR | 20 | | | 196 | 58 | 27 | 20 | 07 | | 012 | 824 1100 | HS |
| R | 1347 | 60 SCT 300 SCT | 20 | | | 191 | 59 | 29 | 21 | 05 | | 011 | | HS |
| R | 1445 | 60 SCT 300 SCT | 20 | | | 189 | 59 | 30 | 23 | 06 | | 011 | | HS |
| R | 1545 | 60 SCT 300 SCT | 20 | | | 194 | 58 | 29 | 20 | 02 | | 012 | 500 1101 59 RADAT 73098 | CG |
| R | 1645 | 300 SCT | 20 | | | 197 | 55 | 28 | 24 | 03 | | 012 | | CG |
| R | 1748 | 300 SCT | 20 | | | 208 | 48 | 32 | 04 | 02 | | 014 | | CG |
| R | 1846 | 300 SCT | 20 | | | 212 | 45 | 34 | 09 | 02 | | 014 | 107 1008 | CG |
| R | 1946 | 300 SCT | 20 | | | 212 | 44 | 36 | 36 | 02 | | 015 | | CG |
| R | 2049 | E300 BKN | 20 | | | 213 | 42 | 35 | 16 | 03 | | 016 | | CG |
| R | 2146 | E300 OVC | 20 | | | 209 | 44 | 35 | 06 | 02 | | 016 | 107 1007 59 | CG |
| R | 2247 | E300 OVC | 20 | | | 205 | 41 | 35 | 12 | 02 | | 015 | | CG |
| R | 2345 | E300 BKN | 20 | | | 212 | 40 | 35 | 00 | 00 | | 017 | | CG |

A synoptic observation, in WMO code format FM11D, is entered on line following related aviation observation.

FM11D: IIiii Nddff VVwwW PPPTT $N_hC_LhC_MC_H$ $T_dT_dopp$ $6P_oP_oP_oP_o$ 7RRRrs $8N_sCh$ $h_s$ 9SpSpspsp $2R_{24}R_{24}R_{24}R_{24}$ $3P_wP_wH_wH_w$ $d_wd_wP_wH_wH_w$ $4T_xT_xT_nT_n$

☆ U.S. GPO:1977-0-765-005/1111

MF1-10B
(2-77)

U. S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: 1978 NOV 29

To convert LST to GMT ADD 8 hrs.

| TIME (L.S.T.) 16 | STATION PRESSURE (Ins.) 17 | DRY BULB (°F) 18 | WET BULB (°F) 19 | REL. HUMIDITY (%) 20 | TOTAL SKY COVER 21 | CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT. 22 | LOWEST LAYER TYPE 23 | LOWEST LAYER HEIGHT 24 | SECOND LAYER AMT. 25 | SECOND LAYER TYPE 26 | SECOND LAYER HEIGHT 27 | SUMMATION TOTAL 28 | THIRD LAYER AMT. 29 | THIRD LAYER TYPE 30 | THIRD LAYER HEIGHT 31 | SUMMATION TOTAL 32 | FOURTH LAYER AMT. 33 | FOURTH LAYER TYPE 34 | FOURTH LAYER HEIGHT 35 | TOTAL OPAQUE SKY COVER 36 | PRESSURE TENDENCY 37 | NET 3-HR. CHANGE (Ins.) 38 | SUNSHINE (Min.) 39 | PRECIPITATION (Ins.) 40 | HR. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00 48 | 26.740 | 33.3 | 31.3 | 82 | 0 | | | | | | | | | | | | | | | 0 | 7 | .030 | | | 00-01 |
| 01 48 | 26.740 | 33.0 | 31.3 | 84 | 0 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 51 | 26.730 | 35.1 | 31.7 | 71 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 48 | 26.725 | 34.0 | 30.8 | 72 | 0 | | | | | | | | | | | | | | | 0 | 8 | .015 | | | 03-04 |
| 04 45 | 26.740 | 32.0 | 30.4 | 84 | 0 | | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 05 48 | 26.735 | 33.6 | 31.0 | 77 | 0 | | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 06 50 | 26.755 | 31.8 | 30.0 | 82 | 0 | 0 | Sc | 70 | 0 | Ci | 300 | 0 | | | | | | | | 0 | 3 | .030 | | | 06-07 |
| 07 49 | 26.765 | 39.3 | 34.8 | 65 | 0 | | | | | | | | | | | | | | | 0 | | | | | 07-08 |
| 08 46 | 26.770 | 46.0 | 39.6 | 58 | 0 | | | | | | | | | | | | | | | 0 | | | | | 08-09 |
| 09 48 | 26.770 | 49.9 | 38.7 | 34 | 0 | 0 | Sc | 70 | 0 | Ci | 300 | 0 | | | | | | | | 0 | 1 | .015 | | | 09-10 |
| 10 45 | 26.755 | 52.8 | 41.1 | 35 | 0 | | | | | | | | | | | | | | | 0 | | | | | 10-11 |
| 11 47 | 26.725 | 55.3 | 42.9 | 35 | 0 | | | | | | | | | | | | | | | 0 | | | | | 11-12 |
| 12 48 | 26.700 | 57.9 | 44.0 | 31 | 0 | 0 | Cu | 60 | | | | | | | | | | | | 0 | 8 | .070 | | | 12-13 |
| 13 47 | 26.690 | 59.0 | 45.0 | 32 | 2 | | | | | | | | | | | | | | | 2 | | | | | 13-14 |
| 14 45 | 26.690 | 58.7 | 45.3 | 34 | 2 | | | | | | | | | | | | | | | 2 | | | | | 14-15 |
| 15 45 | 26.700 | 57.9 | 44.4 | 32 | 2 | 1 | Cu | 60 | 1 | Ci | 300 | 2 | | | | | | | | 2 | 5 | .000 | | | 15-16 |
| 16 45 | 26.700 | 55.4 | 43.0 | 35 | 3 | | | | | | | | | | | | | | | 2 | | | | | 16-17 |
| 17 48 | 26.720 | 48.4 | 41.0 | 54 | 3 | | | | | | | | | | | | | | | 2 | | | | | 17-18 |
| 18 46 | 26.720 | 45.3 | 40.2 | 65 | 4 | 4 | Cs | 300 | | | | | | | | | | | | 3 | 1 | .020 | | | 18-19 |
| 19 46 | 26.730 | 43.6 | 39.8 | 73 | 5 | | | | | | | | | | | | | | | 4 | | | | | 19-20 |
| 20 49 | 26.740 | 41.8 | 38.6 | 77 | 7 | | | | | | | | | | | | | | | 6 | | | | | 20-21 |
| 21 46 | 26.740 | 43.5 | 39.4 | 71 | 10 | 10 | Cs | E300 | | | | | | | | | | | | 9 | 1 | .020 | | | 21-22 |
| 22 47 | 26.730 | 40.6 | 38.0 | 80 | 10 | | | | | | | | | | | | | | | 7 | | | | | 22-23 |
| 23 45 | 26.750 | 39.9 | 37.6 | 83 | 8 | | | | | | | | | | | | | | | 7 | | | | | 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 | PRECIP. ORIGIN 49 | STATE OF GRND. 50 | 51 | 52 | 53 | 54 | 55 | SOIL TEMP. 56 | 57 | 58 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MID. TO 0343 | X | 0 | 0 | X | 37 | 32 | X | X | | | | | | X | | |
| | 0343 | 1 | 0 | 0 | 0 | 37 | 32 | | 0 | | | | | | | | |
| | 0943 | 2 | 0 | 0 | 0 | 51 | 32 | | 0 | | | | | | | | |
| | 1543 | 3 | 0 | 0 | 0 | 59 | 49 | | 0 | | | | | | | | |
| | 2144 | 4 | 0 | 0 | 0 | 59 | 41 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 44 | 40 | X | X | | | | | | X | | |

## STATION PRESSURE COMPUTATIONS

| TIME (L.S.T.) 59 | 0343 | 0947 | 1544 | 2145 |
|---|---|---|---|---|
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.725 | 26.770 | 26.760 | 26.740 |
| BAROGRAPH 64 | 26.740 | 26.770 | 26.760 | 26.740 |
| BAR. CORR. 65 | -.015 | ☆ 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 59 | 32 | 0 | 0 | 0 | 9 | SW | *1356 | | | | | 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:

☆ BAROGRAPH CHANGED

* LAST OF SEVERAL OCCURENCES

MF1-10B

☆ U.S.GPO:1977-0-765-005/1131

MF1-10A
(1-77)

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

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: 1978 NOV 30

TO CONVERT LST TO GMT ADD 8 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) | SUPERVISOR INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R | 0045 | E300 BKN | 20 | | | 205 | 41 | 35 | 06 | 02 | | 016 | 000 1008 | CG |
| R | 0147 | 300-BKN | 20 | | | 208 | 37 | 34 | 08 | 03 | | 016 | | CG |
| R | 0245 | 300 SCT | 20 | | | 207 | 38 | 33 | 24 | 04 | | 016 | | CG |
| R | 0348 | 300 SCT | 20 | | | 210 | 39 | 33 | 14 | 02 | | 017 | 302 1002 36 RADAT51104 | HS |
| R | 0450 | 300 SCT | 20 | | | 214 | 37 | 33 | 33 | 02 | | 017 | | HS |
| R | 0549 | 300 SCT | 20 | | | 222 | 39 | 32 | 34 | 04 | | 019 | | HS |
| R | 0649 | 300-BKN | 20 | | | 233 | 39 | 33 | 32 | 02 | | 022 | 314 1001 | HS |
| R | 0749 | 300-BKN | 20 | | | 234 | 43 | 35 | 32 | 02 | | 023 | | HS |
| R | 0848 | 300-BKN | 20 | | | 227 | 52 | 38 | 21 | 05 | | 022 | | HS |
| R | 0948 | 300-BKN | 20 | | | 227 | 55 | 33 | 31 | 03 | | 023 | 103 1006 36 | HS |
| R | 1046 | 300-SCT | 20 | | | 219 | 59 | 35 | 21 | 02 | | 020 | | HS |
| R | 1147 | 300-BKN | 20 | | | 201 | 63 | 33 | 21 | 06 | | 016 | | HS |
| R | 1248 | E300 BKN | 20 | | | 186 | 61 | 34 | 18 | 08 | | 011 | 836 1006 | HS |
| R | 1347 | 300-OVC | 20 | | | 176 | 61 | 34 | 21 | 10 | | 008 | AC NW | HS |
| R | 1445 | 300-OVC | 20 | | | 175 | 59 | 34 | 20 | 09 | | 007 | AC NW | HS |
| R | 1545 | 160 SCT E300 OVC | 20 | | | 169 | 58 | 35 | 30 | 02 | | 005 | 717 1077 64 RADAT44113 | CG |
| R | 1645 | 160 SCT E300 OVC | 20 | | | 174 | 54 | 37 | 02 | 04 | | 005 | | CG |
| R | 1745 | 160 SCT E300 OVC | 20 | | | 166 | 50 | 38 | 36 | 04 | | 003 | | CG |
| R | 1848 | 160 SCT E300 OVC | 20 | | | 151 | 51 | 37 | 36 | 05 | | 998 | 820 1077 | CG |
| R | 1945 | E300 BKN | 20 | | | 148 | 49 | 37 | 34 | 05 | | 998 | | CG |
| R | 2045 | 300-BKN | 20 | | | 138 | 47 | 37 | 10 | 07 | | 996 | | CG |
| R | 2146 | 300-SCT | 20 | | | 134 | 46 | 36 | 09 | 09 | | 996 | 808 1008 64 | CG |
| R | 2245 | 300 SCT | 20 | | | 123 | 45 | 36 | 06 | 04 | | 993 | | CG |
| R | 2345 | 300 SCT | 20 | | | 115 | 42 | 38 | 35 | 02 | | 991 | | CG |

A synoptic observation, in WMO code format FM11D, is entered on line following related aviation observation.

FM11D: Iliii Nddff VVwwW PPPTT $N_hC_LhC_MC_H$ $T_dT_dapp$ $6P_oP_oP_oP_o$ $7RRR_rs$ $8N_sCh\ h_s$ $9S_pS_psp_sp$ $2R_{24}R_{24}R_{24}R_{24}$ $3P_wP_wH_wH_w$ $d_wd_wP_wH_wH_w$ $4T_xT_xT_nT_n$

☆ U.S. GPO:1977-0-765-005/1111

MF1-10B
(2-77)

U. S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: 1978 NOV 30

To convert LST to GMT ADD 6 hrs.

| TIME (L.S.T.) 16 | STATION PRESSURE (Ins.) 17 | DRY BULB (°F) 18 | WET BULB (°F) 19 | REL. HUMIDITY (%) 20 | TOTAL SKY COVER 21 | LOWEST LAYER AMT. 22 | LOWEST LAYER TYPE 23 | LOWEST LAYER HEIGHT 24 | SECOND LAYER AMT. 25 | SECOND LAYER TYPE 26 | SECOND LAYER HEIGHT 27 | SUMMATION TOTAL 28 | THIRD LAYER AMT. 29 | THIRD LAYER TYPE 30 | THIRD LAYER HEIGHT 31 | SUMMATION TOTAL 32 | FOURTH LAYER AMT. 33 | FOURTH LAYER TYPE 34 | FOURTH LAYER HEIGHT 35 | TOTAL OPAQUE SKY COVER 36 | PRESSURE TENDENCY 37 | NET 3-HR. CHANGE (Ins.) 38 | SUNSHINE (Min.) 39 | PRECIPITATION (Ins.) 40 | HR. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00 45 | 26.740 | 40.9 | 38.0 | 78 | 7 | 7 | Cs | E300 | | | | | | | | | | | | 5 | 0 | .000 | | | 00-01 |
| 01 47 | 26.740 | 37.2 | 35.7 | 87 | 6 | | | | | | | | | | | | | | | 3 | | | | | 01-02 |
| 02 45 | 26.740 | 38.1 | 36.0 | 83 | 2 | | | | | | | | | | | | | | | 2 | | | | | 02-03 |
| 03 48 | 26.745 | 38.8 | 36.3 | 80 | 1 | 1 | Ci | 300 | | | | | | | | | | | | 1 | 3 | .005 | | | 03-04 |
| 04 50 | 26.750 | 36.9 | 35.2 | 85 | 2 | | | | | | | | | | | | | | | 2 | | | | | 04-05 |
| 05 49 | 26.765 | 39.2 | 35.9 | 74 | 3 | | | | | | | | | | | | | | | 3 | | | | | 05-06 |
| 06 49 | 26.785 | 38.9 | 36.1 | 78 | 6 | 6 | Ci | 300 | | | | | | | | | | | | 1 | 3 | .040 | | | 06-07 |
| 07 49 | 26.795 | 43.4 | 39.3 | 71 | 6 | | | | | | | | | | | | | | | 0 | | | | | 07-08 |
| 08 48 | 26.790 | 51.7 | 44.8 | 59 | 7 | | | | | | | | | | | | | | | 0 | | | | | 08-09 |
| 09 48 | 26.795 | 54.7 | 44.3 | 44 | 6 | 6 | Ci | 300 | | | | | | | | | | | | 0 | 1 | .010 | | | 09-10 |
| 10 46 | 26.775 | 59.3 | 47.0 | 39 | 4 | | | | | | | | | | | | | | | 0 | | | | | 10-11 |
| 11 47 | 26.735 | 63.0 | 48.1 | 32 | 7 | | | | | | | | | | | | | | | 0 | | | | | 11-12 |
| 12 48 | 26.690 | 61.4 | 47.7 | 36 | 9 | 9 | Ci | E300 | | | | | | | | | | | | 5 | 8 | .105 | | | 12-13 |
| 13 47 | 26.660 | 61.1 | 47.7 | 36 | 10 | | | | | | | | | | | | | | | 4 | | | | | 13-14 |
| 14 45 | 26.655 | 58.8 | 46.6 | 39 | 10 | | | | | | | | | | | | | | | 5 | | | | | 14-15 |
| 15 45 | 26.640 | 57.8 | 46.3 | 42 | 10 | 1 | Ac | 160 | 10 | Cs | E300 | 10 | | | | | | | | 7 | 7 | .050 | | | 15-16 |
| 16 45 | 26.640 | 53.5 | 45.2 | 53 | 10 | | | | | | | | | | | | | | | 7 | | | | | 16-17 |
| 17 45 | 26.620 | 50.4 | 44.1 | 62 | 10 | | | | | | | | | | | | | | | 8 | | | | | 17-18 |
| 18 48 | 26.580 | 50.5 | 44.0 | 61 | 10 | 1 | Ac | 160 | 10 | Cs | E300 | 10 | | | | | | | | 10 | 8 | .060 | | | 18-19 |
| 19 45 | 26.580 | 48.8 | 43.0 | 64 | 9 | | | | | | | | | | | | | | | 7 | | | | | 19-20 |
| 20 45 | 26.560 | 46.5 | 41.8 | 69 | 7 | | | | | | | | | | | | | | | 3 | | | | | 20-21 |
| 21 46 | 26.555 | 46.3 | 41.2 | 66 | 3 | 3 | Cs | 300 | | | | | | | | | | | | 1 | 8 | .025 | | | 21-22 |
| 22 45 | 26.530 | 44.7 | 40.6 | 72 | 3 | | | | | | | | | | | | | | | 2 | | | | | 22-23 |
| 23 45 | 26.510 | 41.9 | 40.0 | 86 | 4 | | | | | | | | | | | | | | | 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 | PRECIP. ORIGIN 49 | STATE OF GRND. 50 | 51 | 52 | 53 | 54 | 55 | SOIL TEMP. 56 | 57 | 58 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MID. TO 0343 | X | 0 | 0 | X | 41 | 36 | X | X | | | | | | X | | |
| | 0343 | 1 | 0 | 0 | 0 | 44 | 36 | | 0 | | | | | | | | |
| | 0945 | 2 | 0 | 0 | 0 | 56 | 36 | | 0 | | | | | | | | |
| | 1542 | 3 | 0 | 0 | 0 | 64 | 54 | | 0 | | | | | | | | |
| | 2142 | 4 | 0 | 0 | 0 | 58 | 46 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 46 | 42 | X | X | | | | | | X | | |

## STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0347 | 0947 | 1544 | 2144 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.745 | 26.795 | 26.640 | 26.555 |
| BAROGRAPH 64 | 26.755 | 26.790 | 26.630 | 26.560 |
| BAR. CORR. 65 | -.010 | +.005 | -.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 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 | 36 | 0 | 0 | 0 | 12 | E | 2121* | | | | | 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:

* LAST OF SEVERAL OCCURENCES

MF1-10B

☆ U.S.GPO:1977-0-765-005/1131