WS FORM F-6
(9-76)

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

# PRELIMINARY LOCAL CLIMATOLOGICAL DATA

STATION: DESERT ROCK, NV

MONTH: June

YEAR: 1981

LATITUDE: 36° 37' N

LONGITUDE: 116° 01' W

GROUND ELEVATION (H): 3298 FT.

STANDARD TIME: Pacific

| DAY | TEMPERATURE °F MAXIMUM | MINIMUM | AVERAGE | DEPARTURE FROM NORMAL | DEGREE DAYS (Base 65°) HEATING | COOLING | PRECIPITATION (In.) TOTAL (Water equivalent) | SNOWFALL, ICE PELLETS | SNOW, ICE PELLETS OR ICE ON GROUND AT 0800 | WIND AVERAGE SPEED (~~mph~~) (Knots) | Peak Speed SPEED (~~mph~~) (Knots) | DIRECTION | ~~SUNSHINE~~ TOTAL (Min.) Ave. Stn. Pressure | ~~PERCENT OF POSSIBLE~~ | SKY COVER SUNRISE TO SUNSET (Tenths) | WEATHER OCCURRENCES | Relative Humidity @ 0400 | 1000 | 1600 | 2200 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6a | 6b | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| 1 | 91 | 64 | 78 | | | 13 | | | | 7.5 | 25 | SW | 26.4 | 58 | 2 | | 52 | 25 | 14 | 20 |
| 2 | 88 | 69 | 79 | | | 14 | .02 | | | 11.3 | 32 | SW | 26.4 | 18 | 6 | RW | 24 | 19 | 15 | 34 |
| 3 | 89 | 64 | 77 | | | 12 | | | | 9.8 | 21 | E | 26.5 | 23 | 0 | | 36 | 24 | 13 | 21 |
| 4 | 95 | 67 | 81 | | | 16 | | | | 9.3 | 21 | E | 26.5 | 64 | 0 | | 33 | 20 | 15 | 23 |
| 5 | 99 | 72 | 86 | | | 21 | | | | 6.0 | 12 | W | 26.5 | 11 | 0 | | 29 | 18 | 11 | 17 |
| 6 | 101 | 71 | 86 | | | 21 | | | | 9.3 | 28 | SW | 26.4 | 53 | 4 | | 36 | 20 | 10 | 18 |
| 7 | 98 | 74 | 86 | | | 21 | | | | 10.6 | 26 | S | 26.4 | 75 | 6 | | 22 | 19 | 13 | 16 |
| 8 | 101 | 66 | 84 | | | 19 | | | | 7.8 | 25 | S | 26.4 | 88 | 0 | | 28 | 19 | 12 | 17 |
| 9 | 100 | 69 | 85 | | | 20 | | | | 7.9 | 20 | W | 26.4 | 13 | 0 | | 32 | 23 | 14 | 22 |
| 10 | 98 | 70 | 84 | | | 19 | | | | 10.0 | 29 | SW | 26.3 | 79 | 0 | | 33 | 24 | 17 | 14 |
| 11 | 94 | 70 | 82 | | | 17 | | | | 12.2 | 34 | SW | 26.3 | 66 | 0 | | 18 | 19 | 13 | 13 |
| 12 | 89 | 69 | 79 | | | 14 | | | | 15.0 | 33 | SW | 26.3 | 78 | 0 | | 27 | 26 | 16 | 11 |
| 13 | 83 | 60 | 72 | | | 7 | | | | 11.0 | 31 | NE | 26.4 | 86 | 0 | | 19 | 14 | 9 | 22 |
| 14 | 77 | 56 | 67 | | | 2 | | | | 14.5 | 34 | NE | 26.6 | 66 | 0 | | 24 | 15 | 9 | 14 |
| 15 | 86 | 57 | 72 | | | 7 | | | | 10.0 | 23 | NE | 26.7 | 78 | 0 | | 18 | 14 | 10 | 12 |
| 16 | 97 | 56 | 77 | | | 12 | | | | 7.0 | 22 | SW | 26.6 | 60 | 2 | | 21 | 8 | 7 | 8 |
| 17 | 100 | 67 | 84 | | | 19 | | | | 8.1 | 24 | SW | 26.5 | 21 | 1 | | 11 | 10 | 8 | 11 |
| 18 | 99 | 67 | 83 | | | 18 | | | | 6.3 | 14 | SW | 26.5 | 18 | 4 | | 15 | 10 | 8 | 17 |
| 19 | 102 | 66 | 84 | | | 19 | | | | 6.3 | 16 | W | 26.5 | 63 | 0 | | 23 | 11 | 6 | 13 |
| 20 | 104 | 74 | 89 | | | 24 | | | | 7.3 | 18 | W | 26.5 | 38 | 0 | | 16 | 14 | 8 | 11 |
| 21 | 106 | 75 | 91 | | | 26 | | | | 6.2 | 21 | SW | 26.5 | 36 | 0 | | 28 | 17 | 10 | 18 |
| 22 | 105 | 75 | 90 | | | 25 | | | | 6.3 | 21 | W | 26.4 | 93 | 0 | | 24 | 15 | 11 | 14 |
| 23 | 105 | 74 | 90 | | | 25 | | | | 5.4 | 19 | SW | 26.4 | 68 | 6 | | 25 | 16 | 11 | 17 |
| 24 | 105 | 78 | 92 | | | 27 | | | | 8.1 | 30 | S | 26.5 | 25 | 0 | | 24 | 12 | 8 | 13 |
| 25 | 104 | 74 | 89 | | | 24 | | | | 7.5 | 26 | SW | 26.5 | 90 | 1 | | 19 | 12 | 9 | 15 |
| 26 | 105 | 74 | 90 | | | 25 | | | | 6.8 | 25 | SW | 26.5 | 56 | 1 | | 19 | 10 | 11 | 15 |
| 27 | 100 | 79 | 90 | | | 25 | T | | | 8.3 | 31 | SW | 26.4 | 71 | 9 | R | 19 | 12 | 13 | 24 |
| 28 | 96 | 81 | 89 | | | 24 | | | | 9.0 | 24 | S | 26.5 | 13 | 9 | | 33 | 17 | 13 | 13 |
| 29 | 99 | 74 | 87 | | | 22 | | | | 5.9 | 27 | W | 26.5 | 63 | 7 | | 20 | 11 | 13 | 18 |
| 30 | 101 | 72 | 87 | | | 22 | | | | 7.4 | 30 | W | 26.5 | 35 | 3 | | 23 | 14 | 10 | 20 |
| 31 | | | | | | | | | | | | | | | | | | | | |
| SUM | 2917 | 2084 | — | — | 0 | 560 | .02 | 0 | — | 258.1 | — | — | 795.4 | 06 | 61 | — | 751 | 488 | 338 | 501 |
| AVG | 97.2 | 69.5 | — | — | — | — | — | — | — | 8.6 | FASTEST | DIRECTION | POSSIBLE | | 2.0 | — | 25.0 | 16.3 | 11.3 | 16.7 |
| | | | | | | | | | | MISC. → | 34 | SW/NE | 26.5 | 14 | | — | — | — | — | — |

## TEMPERATURE DATA

AVERAGE MONTHLY 83.4

DEPARTURE FROM NORMAL —

HIGHEST 106 ON 21

LOWEST 56 ON 14, 16

NUMBER OF DAYS WITH –

MAX. 32° OR BELOW 0

MAX. 90° OR ABOVE 24

MIN. 32° OR BELOW 0

MIN. 0° OR BELOW 0

HEATING DEGREE DAYS (Base 65°)

TOTAL THIS MONTH 0

DEPARTURE FROM NORMAL —

SEASONAL TOTAL 2433

DEPARTURE FROM NORMAL —

COOLING DEGREE DAYS (Base 65°)

TOTAL THIS MONTH 560

DEPARTURE FROM NORMAL —

SEASONAL TOTAL 787

DEPARTURE FROM NORMAL —

## PRECIPITATION DATA

TOTAL FOR THE MONTH .02 IN.

DEPARTURE FROM NORMAL — IN.

GREATEST ~~IN 24 HRS.~~ Daily .02 ON 2

SNOWFALL, ICE PELLETS

TOTAL FOR THE MONTH 0 IN.

GREATEST ~~IN 24 HRS.~~ Daily 0 ON —

GREATEST DEPTH ON GROUND 0 ON —

## WEATHER

NUMBER OF DAYS –

CLEAR (Scale 0–3) 22

PARTLY CLOUDY (Scale 4–7) 6

CLOUDY (Scale 8–10) 2

WITH 0.01 INCH OR MORE PRECIP. 1

WITH 0.10 INCH OR MORE PRECIP. 0

WITH 0.50 INCH OR MORE PRECIP. 0

WITH 1.00 INCH OR MORE PRECIP. 0

SYMBOLS USED IN COLUMN 16

R = RAIN
RW = RAINSHOWER

MAXIMUM PRECIPITATION

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

Station Pressure

HIGHEST ~~SEA-LEVEL~~ 26.840 IN. ON 15

LOWEST ~~SEA-LEVEL~~ 26.280 IN. ON 11

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

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

MF1-10A (10-78)

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

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: 1981 JUN 1

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

| TYPE (1) | TIME (LST) (2) | SKY AND CEILING (Hundreds of Feet) (3) | VISIBILITY (Miles) SURFACE (4) | VISIBILITY (Miles) TOWER (4a) | WEATHER AND OBSTRUCTIONS TO VISION (5) | SEA LEVEL PRESS. (Mbs.) (6) | TEMP (°F) (7) | DEW PT. (°F) (8) | WIND DIRECTION (00-36) (9) | WIND SPEED (Kts.) (10) | WIND CHARACTER (11) | ALTIMETER SETTING (Ins.) (12) | REMARKS AND SUPPLEMENTAL CODED DATA (13) | OBSERVER'S INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0050 | 200 SCT | 20 | | | 066 | 70 | 50 | 01 | 04 | | 984 | 803 1008 | 008 |
| SA | 0150 | 200 SCT | 20 | | | 064 | 72 | 46 | 16 | 01 | | 984 | | 008 |
| SA | 0250 | 200 SCT | 20 | | | 068 | 69 | 48 | 15 | 01 | | 985 | | 008 |
| SA | 0350 | 200 -SCT | 20 | | | 074 | 67 | 49 | 00 | 00 | | 986 | 307 1008 66 | SH |
| | — | | — | | | — | | | | | | — | RADAT 68126 | — |
| SA | 0445 | 200 SCT | 20 | | | 082 | 65 | 51 | 11 | 04 | | 988 | FEW AC | SH |
| SA | 0547 | CLR | 20 | | | 083 | 70 | 52 | 11 | 02 | | 990 | | SH |
| SA | 0646 | CLR | 20 | | | 087 | 74 | 48 | 30 | 04 | | 991 | 214 | SH |
| SA | 0747 | CLR | 20 | | | 089 | 78 | 49 | 28 | 04 | | 992 | FEW CU SE | SH |
| SA | 0848 | CLR | 20 | | | 086 | 82 | 46 | 07 | 07 | | 991 | FEW CU SE | SH |
| SA | 0946 | CLR | 20 | | | 081 | 85 | 45 | 24 | 08 | | 990 | 803 1100 64 | SH |
| SA | 1045 | CLR | 20 | | | 082 | 87 | 43 | 23 | 12 | | 990 | TCU SE | SH |
| SA | 1148 | 80 SCT | 20 | | | 074 | 89 | 43 | 21 | 10 | | 987 | TCU SE | SH |
| SA | 1248 | 80 SCT | 20 | | | 067 | 89 | 41 | 20 | 11 | | 985 | TCU E-SE / 814 1200 | SH |
| SA | 1346 | 80 SCT | 20 | | | 061 | 91 | 39 | 23 | 13 | G23 | 984 | TCU NE-E | SH |
| SA | 1447 | 80 SCT 250 - SCT | 20 | | | 056 | 90 | 38 | 22 | 10 | G19 | 982 | CB DSNT NE TCU E | SH |
| SA | 1549 | 80 SCT 250 - SCT | 20 | | | 056 | 90 | 35 | 19 | 12 | G22 | 982 | 610 120191 RADAT 20138 | 008 |
| SA | 1645 | 80 SCT 250 - BKN | 20 | | | 050 | 89 | 36 | 20 | 11 | G17 | 980 | | 008 |
| SA | 1747 | 250 - BKN | 20 | | | 045 | 88 | 32 | 22 | 12 | G17 | 979 | FEW CU E | 008 |
| SA | 1848 | 250 - BKN | 20 | | | 045 | 84 | 32 | 19 | 10 | G17 | 979 | 610 1001 | 008 |
| SA | 1945 | E 250 BKN | 20 | | | 048 | 82 | 34 | 19 | 07 | | 980 | | 008 |
| SA | 2048 | E 250 BKN | 20 | | | 050 | 81 | 35 | 20 | 08 | | 981 | | 008 |
| SA | 2149 | E 250 BKN | 20 | | | 053 | 81 | 37 | 21 | 14 | G20 | 982 | 210 1002 91 | 008 |
| SA | 2248 | 250 SCT | 20 | | | 056 | 79 | 36 | 23 | 10 | | 983 | | 008 |
| SA | 2349 | 250 SCT | 20 | | | 056 | 77 | 37 | 23 | 06 | | 983 | | 008 |

A synoptic observation, in WMO code format FM11V, is entered on line following related aviation observation.

FM11V: IIiii Nddff VVwwW PPPTT $N_hC_LhC_MC_H$ $T_dT_dopp$ $6P_oP_oP_oP_o$ $7RRR_{ts}$ $8N_sCh\ h_s$ $9SpSpspsp$ $2R_{24}R_{24}R_{24}R_{24}$ $3P_wP_wH_wH_w$ $d_wd_wP_wH_wH_w$ $4T_xT_xT_nT_n$

☆U.S.GPO:1980-0-665-115/1108

MF1-10B
(2-79)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: 1981 JUN 1

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

| TIME (L.S.T.) 16 | STATION PRESSURE (Ins.) 17 | DRY BULB (°F) 18 | WET BULB (°F) 19 | REL. HUMIDITY (%) 20 | TOTAL SKY COVER 21 | LOWEST LAYER AMT. 22 | LOWEST LAYER TYPE 23 | LOWEST LAYER HEIGHT 24 | SECOND LAYER AMT. 25 | SECOND LAYER TYPE 26 | SECOND LAYER HEIGHT 27 | SUMMATION TOTAL 28 | THIRD LAYER AMT. 29 | THIRD LAYER TYPE 30 | THIRD LAYER HEIGHT 31 | SUMMATION TOTAL 32 | FOURTH LAYER AMT. 33 | FOURTH LAYER TYPE 34 | FOURTH LAYER HEIGHT 35 | TOTAL OPAQUE SKY COVER 36 | PRESSURE TENDENCY 37 | NET 3-HR. CHANGE (Ins.) 38 | SUNSHINE (Min.) 39 | PRECIPITATION (Ins.) 40 | HR. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00 50 | 26.450 | 70.0 | 57.7 | 48 | 2 | 2 | CS | 200 | | | | | | | | | | | | 2 | 8 | .010 | | | 00-01 |
| 01 50 | 26.450 | 72.1 | 56.8 | 39 | 2 | | | | | | | | | | | | | | | 2 | | | | | 01-02 |
| 02 50 | 26.460 | 69.0 | 56.4 | 47 | 3 | | | | | | | | | | | | | | | 3 | | | | | 02-03 |
| 03 50 | 26.470 | 66.6 | 56.0 | 52 | 3 | 3 | CS | 200 | | | | | | | | | | | | 1 | 3 | .020 | | | 03-04 |
| 04 45 | 26.490 | 64.6 | 56.4 | 61 | 1 | | | | | | | | | | | | | | | 1 | | | | | 04-05 |
| 05 47 | 26.500 | 70.4 | 59.0 | 52 | 0 | | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 06 46 | 26.510 | 74.0 | 58.3 | 39 | 0 | | | | | | | | | | | | | | | 0 | 2 | .040 | | | 06-07 |
| 07 47 | 26.515 | 77.6 | 60.0 | 36 | 0 | | | | | | | | | | | | | | | 0 | | | | | 07-08 |
| 08 48 | 26.510 | 82.0 | 60.2 | 28 | 0 | | | | | | | | | | | | | | | 0 | | | | | 08-09 |
| 09 46 | 26.500 | 85.2 | 61.3 | 25 | 0 | 0 | CU | 80 | | | | | | | | | | | | 0 | 8 | .010 | | | 09-10 |
| 10 45 | 26.500 | 86.7 | 61.0 | 22 | 0 | | | | | | | | | | | | | | | 0 | | | | | 10-11 |
| 11 48 | 26.480 | 88.8 | 61.4 | 20 | 1 | | | | | | | | | | | | | | | 1 | | | | | 11-12 |
| 12 48 | 26.460 | 89.0 | 61.0 | 19 | 1 | 1 | CU | 80 | | | | | | | | | | | | 1 | 8 | .040 | | | 12-13 |
| 13 46 | 26.450 | 90.7 | 61.0 | 17 | 1 | | | | | | | | | | | | | | | 1 | | | | | 13-14 |
| 14 47 | 26.430 | 90.0 | 60.3 | 16 | 2 | | | | | | | | | | | | | | | 1 | | | | | 14-15 |
| 15 49 | 26.430 | 90.3 | 59.4 | 14 | 5 | 1 | CU | 80 | 4 | CI | 250 | 5 | | | | | | | | 2 | 6 | .030 | | | 15-16 |
| 16 45 | 26.410 | 89.0 | 59.3 | 15 | 8 | | | | | | | | | | | | | | | 2 | | | | | 16-17 |
| 17 47 | 26.400 | 87.8 | 57.8 | 14 | 6 | | | | | | | | | | | | | | | 2 | | | | | 17-18 |
| 18 48 | 26.400 | 84.3 | 56.6 | 15 | 6 | 6 | CI | 250 | | | | | | | | | | | | 2 | 6 | .030 | | | 18-19 |
| 19 45 | 26.410 | 82.0 | 56.1 | 17 | 6 | | | | | | | | | | | | | | | 5 | | | | | 19-20 |
| 20 48 | 26.410 | 81.3 | 56.3 | 19 | 6 | | | | | | | | | | | | | | | 6 | | | | | 20-21 |
| 21 49 | 26.430 | 80.9 | 56.6 | 20 | 7 | 7 | CI | 250 | | | | | | | | | | | | 7 | 2 | .030 | | | 21-22 |
| 22 48 | 26.440 | 78.6 | 55.4 | 21 | 4 | | | | | | | | | | | | | | | 4 | | | | | 22-23 |
| 23 49 | 26.440 | 76.6 | 55.1 | 24 | 4 | | | | | | | | | | | | | | | 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 0345 | X | 0 | 0 | X | 73 | 66 | X | X | | | | | | X | | |
| | 0345 | 1 | 0 | 0 | 0 | 76 | 66 | | 0 | | | | | | | | |
| | 0942 | 2 | 0 | 0 | 0 | 85 | 64 | | 0 | | | | | | | | |
| | 1544 | 3 | 0 | 0 | 0 | 91 | 85 | | 0 | | | | | | | | |
| | 2142 | 4 | 0 | 0 | 0 | 91 | 80 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 82 | 76 | X | X | | | | | | X | | |

STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0347 | 0944 | 1548 | 2148 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.470 | 26.500 | 26.470 | 26.430 |
| BAROGRAPH 64 | 26.475 | 26.500 | 26.425 | 26.425 |
| BAR. CORR. 65 | +.005 | 0 | +.005 | +.005 |

SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

| 24-HR. MAX. TEMP. (°F) 66 | 24-HR. MIN. TEMP. (°F) 67 | 24-HR. PRECIP. WATER EQUIV. (Ins.) 68 | 24-HR. SNOWFALL UNML 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 91 | 64 | 0 | 0 | 0 | 25 | SW | 1226 | | | | | 2 | 3 | | |

WEATHER & OBSTRUCTIONS TO VISION

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

90. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE SUNSET

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

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

TIME CHECK: 0810P - 2 SEC SLOW / 1715P - ON TIME

MF1-10B

☆ U.S. Government Printing Office: 1979—665-010/1153 Region No. 6.

MF1-10A (10-78)

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

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: 1981 JUN 2

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

| TYPE (1) | TIME (LST) (2) | SKY AND CEILING (Hundreds of Feet) (3) | VISIBILITY (Miles) SURFACE (4) | VISIBILITY (Miles) TOWER (4a) | WEATHER AND OBSTRUCTIONS TO VISION (5) | SEA LEVEL PRESS. (Mbs.) (6) | TEMP. (°F) (7) | DEW PT. (°F) (8) | WIND DIRECTION (100-36) (9) | WIND SPEED (Kts.) (10) | WIND CHARACTER (11) | ALTIMETER SETTING (Ins.) (12) | REMARKS AND SUPPLEMENTAL CODED DATA (13) | OBSERVERS INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0043 | 250 SCT | 20 | | | 056 | 78 | 33 | 22 | 13 | | 983 | 103 1002 | 008 |
| SA | 0145 | 250 SCT | 20 | | | 048 | 77 | 34 | 20 | 126 | 17 | 981 | | 008 |
| SA | 0245 | 250 SCT | 20 | | | 048 | 77 | 32 | 19 | 11 | | 981 | | 008 |
| SA | 0350 | E250 OVC | 20 | | | 049 | 76 | 37 | 18 | 13 | | 981 | 607 1002 75 | SH |
| | — | | — | | | — | | | | | | — | RADAT 20140 | — |
| SA | 0446 | E250 OVC | 20 | | | 055 | 75 | 35 | 18 | 10 | | 983 | | SH |
| SA | 0546 | 140 SCT E250 OVC | 20 | | | 057 | 75 | 34 | 17 | 07 | | 983 | | SH |
| SA | 0647 | E140 BKN 250 OVC | 20 | | | 055 | 77 | 34 | 17 | 09 | | 982 | 003 1072 | SH |
| SA | 0747 | E140 BKN 250 OVC | 20 | | | 060 | 78 | 35 | 18 | 12 | G20 | 983 | BINOVC | SH |
| SA | 0846 | 140 SCT E200 OVC | 20 | | | 058 | 79 | 35 | 18 | 10 | G21 | 983 | | SH |
| SA | 0948 | 130 SCT E200 OVC | 20 | | | 056 | 79 | 34 | 21 | 11 | G24 | 982 | 000 1072 75 | SH |
| SA | 1046 | E130 BKN 200 BKN | 20 | | | 056 | 81 | 32 | 22 | 14 | G26 | 982 | | SH |
| SA | 1148 | E120 BKN 200 BKN | 20 | | | 057 | 81 | 36 | 20 | 14 | G25 | 982 | | SH |
| SA | 1247 | E120 BKN 200 BKN | 20 | | | 048 | 82 | 31 | 21 | 16 | G31 | 980 | 807 1078 | SH |
| SA | 1348 | 110 SCT | 20 | | | 038 | 86 | 34 | 21 | 16 | G28 | 978 | | SH |
| SA | 1445 | 110 SCT | 20 | | | 033 | 87 | 35 | 22 | 15 | G24 | 976 | | SH |
| SA | 1549 | 120 SCT | 20 | | | 031 | 86 | 33 | 21 | 10 | G17 | 975 | 614 1240 88 RADAT 45129 | 008 |
| SA | 1649 | 120 SCT | 20 | | | 028 | 86 | 35 | 22 | 13 | | 974 | | 008 |
| SA | 1747 | 120 SCT | 20 | | | 025 | 85 | 35 | 21 | 10 | G15 | 973 | | 008 |
| SA | 1850 | 80 SCT | 20 | | | 029 | 82 | 37 | 20 | 10 | | 974 | CB NW / 503 1300 | 008 |
| SA | 1950 | 80 SCT | 20 | | | 029 | 80 | 37 | 23 | 03 | | 974 | CB NW-N | 008 |
| SA | 2047 | E50 BKN | 20 | | RW- | 052 | 79 | 45 | 01 | 16 | G21 | 981 | RA45 PRESRR APRNT FROPA | 008 |
| SA | 2148 | 30 SCT E50 BKN 150 BKN | 20 | | | 067 | 72 | 42 | 04 | 14 | G19 | 984 | RE30 33002 1260 88 | 008 |
| SA | 2247 | 80 SCT 150 SCT | 20 | | | 074 | 70 | 40 | 05 | 10 | G17 | 986 | 5 | 008 |
| SA | 2345 | 150 SCT | 20 | | | 078 | 69 | 40 | 15 | 02 | | 987 | | 008 |

A synoptic observation, in WMO code format FM11V, is entered on line following related aviation observation.

FM11V: Iliii Nddff VVwwW PPPTT $N_hC_LhC_MC_H$ $T_dT_dapp$ $6P_oP_oP_oP_o$ $7RRR_{ts}$ $8N_sCh\ h_s$ $9SpSpspsp$ $2R_{24}R_{24}R_{24}R_{24}$ $3P_wP_wH_wH_w$ $d_wd_wP_wH_wH_w$ $4T_xT_xT_nT_n$

☆U.S.GPO:1980-0-665-115/1108

MF1-10B
(2-79)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

STATION: WSMO, DESERT ROCK, NV

DATE: 1981 JUN 2

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

## SURFACE WEATHER OBSERVATIONS

| 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 43 | 26.440 | 78.0 | 54.4 | 19 | 4 | 4 | Ci | 250 | | | | | | | | | | | | 4 | 1 | .010 | | | 00-01 |
| 01 45 | 26.420 | 76.8 | 53.8 | 21 | 3 | | | | | | | | | | | | | | | 3 | | | | | 01-02 |
| 02 45 | 26.420 | 77.4 | 53.9 | 19 | 5 | | | | | | | | | | | | | | | 5 | | | | | 02-03 |
| 03 50 | 26.420 | 75.8 | 54.6 | 24 | 10 | 10 | Ci | E250 | | | | | | | | | | | | 8 | 6 | .020 | | | 03-04 |
| 04 46 | 26.435 | 75.2 | 54.0 | 23 | 10 | | | | | | | | | | | | | | | 10 | | | | | 04-05 |
| 05 46 | 26.440 | 75.3 | 53.7 | 22 | 10 | | | | | | | | | | | | | | | 10 | | | | | 05-06 |
| 06 47 | 26.430 | 76.6 | 54.0 | 21 | 10 | 8 | AC | E140 | 2 | Ci | 250 | 10 | | | | | | | | 10 | 0 | .010 | | | 06-07 |
| 07 47 | 26.440 | 78.2 | 55.0 | 21 | 10 | | | | | | | | | | | | | | | 10 | | | | | 07-08 |
| 08 46 | 26.440 | 79.2 | 55.5 | 20 | 10 | | | | | | | | | | | | | | | 10 | | | | | 08-09 |
| 09 48 | 26.430 | 79.2 | 55.0 | 19 | 10 | 2 | AC | 130 | 8 | Ci | E200 | 10 | | | | | | | | 10 | 0 | .000 | | | 09-10 |
| 10 46 | 26.430 | 80.7 | 55.0 | 17 | 8 | | | | | | | | | | | | | | | 8 | | | | | 10-11 |
| 11 48 | 26.430 | 81.4 | 56.5 | 19 | 8 | | | | | | | | | | | | | | | 8 | | | | | 11-12 |
| 12 47 | 26.410 | 82.3 | 55.6 | 16 | 6 | 6 | AC | E20 | 0 | CS | 200 | 6 | | | | | | | | 6 | 8 | .020 | | | 12-13 |
| 13 48 | 26.390 | 86.2 | 57.7 | 15 | 5 | | | | | | | | | | | | | | | 5 | | | | | 13-14 |
| 14 45 | 26.380 | 87.4 | 58.6 | 16 | 1 | | | | | | | | | | | | | | | 1 | | | | | 14-15 |
| 15 49 | 26.370 | 86.2 | 57.6 | 15 | 1 | 0 | CU | 70 | 1 | AC | 120 | 1 | | | | | | | | 1 | 6 | .040 | | | 15-16 |
| 16 49 | 26.360 | 86.2 | 57.9 | 16 | 1 | | | | | | | | | | | | | | | 1 | | | | | 16-17 |
| 17 47 | 26.350 | 84.9 | 57.7 | 17 | 1 | | | | | | | | | | | | | | | 1 | | | | | 17-18 |
| 18 50 | 26.360 | 82.1 | 57.2 | 20 | 1 | 1 | CB | 80 | | | | | | | | | | | | 1 | 5 | .010 | | | 18-19 |
| 19 50 | 26.360 | 79.7 | 56.3 | 22 | 2 | | | | | | | | | | | | | | | 2 | | | | | 19-20 |
| 20 47 | 26.420 | 78.7 | 58.7 | 30 | 7 | | | | | | | | | | | | | | | 7 | | | | | 20-21 |
| 21 48 | 26.450 | 71.7 | 55.0 | 34 | 8 | 3 | CUFRA | 30 | 3 | SC | E50 | 6 | 2 | AC | 150 | 8 | | | | 8 | 3 | .090 | | | 21-22 |
| 22 49 | 26.470 | 70.3 | 53.6 | 33 | 4 | | | | | | | | | | | | | | | 4 | | | | | 22-23 |
| 23 45 | 26.480 | 69.0 | 53.0 | 34 | 2 | | | | | | | | | | | | | | | 2 | | | | | 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 0343 | X | 0 | 0 | X | 78 | 75 | X | X | | | | | | X | | |
| | 0343 | 1 | 0 | 0 | 0 | 82 | 75 | | 0 | | | | | | | | |
| | 0945 | 2 | 0 | 0 | 0 | 80 | 75 | | 0 | | | | | | | | |
| | 1542 | 3 | 0 | 0 | 0 | 88 | 79 | | 0 | | | | | | | | |
| | 2142 | 4 | .02 | 0 | 0 | 87 | 71 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 72 | 69 | X | X | | | | | | X | | |

STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0345 | 0946 | 1548 | 2147 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.420 | 26.430 | 26.370 | 26.450 |
| BAROGRAPH 64 | 26.420 | 26.425 | 26.370 | 26.440 |
| BAR. CORR. 65 | 0 | +.005 | ±0 | +.010 |

## SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

| 24-HR. MAX. TEMP. (°F) 66 | 24-HR. MIN. TEMP. (°F) 67 | 24-HR. PRECIP. WATER EQUIV. (Ins.) 68 | 24-HR. SNOWFALL UNML 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 88 | 69 | .02 | 0 | 0 | 32 | SW | 1349 | | | | | 6 | 6 | | |

WEATHER & OBSTRUCTIONS TO VISION

| TYPE 82 | BEGAN 83 | ENDED 84 | TYPE 86 | BEGAN 87 | ENDED 88 |
|---|---|---|---|---|---|
| RW- | 2045 | 2130 | | | |

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: 0740P- 1 SEC SLOW / 1830P-ON TIME



☆ U.S. Government Printing Office: 1979—665-010/1153 Region No. 6.

MF1-10A (10-78)

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

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: 1981 JUN 3

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

| TYPE (1) | TIME (LST) (2) | SKY AND CEILING (Hundreds of Feet) (3) | VISIBILITY (Miles) SURFACE (4) | VISIBILITY (Miles) TOWER (4a) | WEATHER AND OBSTRUCTIONS TO VISION (5) | SEA LEVEL PRESS. (Mbs.) (6) | TEMP. (°F) (7) | DEW PT. (°F) (8) | WIND DIRECTION (00-36) (9) | WIND SPEED (Kts.) (10) | WIND CHARACTER (11) | ALTIMETER SETTING (Ins.) (12) | REMARKS AND SUPPLEMENTAL CODED DATA (13) | OB. SERVER'S INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0048 | CLR | 20 | | | 090 | 68 | 39 | 06 | 06 | | 991 | 220 | [illegible] |
| SA | 0147 | CLR | 20 | | | 092 | 67 | 40 | 08 | 07 | | 992 | | [illegible] |
| SA | 0245 | CLR | 20 | | | 100 | 65 | 40 | 09 | 02 | | 994 | | [illegible] |
| SA | 0348 | CLR | 20 | | | 098 | 66 | 39 | 04 | 15 | | 994 | 008 64 20002 RADAT 43126 | US |
| SA | 0452 | CLR | 20 | | | 100 | 64 | 42 | 03 | 10 | | 994 | | US |
| SA | 0549 | CLR | 20 | | | 112 | 65 | 41 | 03 | 14 | | 997 | | US |
| SA | 0648 | CLR | 20 | | | 115 | 68 | 41 | 02 | 10 | | 998 | 314 | US |
| SA | 0750 | CLR | 20 | | | 117 | 70 | 40 | 01 | 10 | | 998 | FEW CI | US |
| SA | 0849 | CLR | 20 | | | 113 | 73 | 37 | 05 | 15 | G20 | 997 | | US |
| SA | 0948 | CLR | 20 | | | 111 | 75 | 36 | 06 | 08 | G16 | 996 | 805 1001 64 | US |
| SA | 1048 | CLR | 20 | | | 107 | 78 | 33 | 05 | 11 | | 995 | | US |
| SA | 1149 | CLR | 20 | | | 099 | 80 | 32 | 05 | 12 | | 993 | | US |
| SA | 1249 | CLR | 20 | | | 089 | 84 | 34 | 36 | 05 | | 991 | 717 1001 | US |
| SA | 1349 | CLR | 20 | | | 088 | 85 | 31 | 04 | 11 | | 991 | | US |
| SA | 1450 | CLR | 20 | | | 077 | 88 | 33 | 05 | 05 | | 988 | | US |
| SA | 1550 | CLR | 20 | | | 075 | 88 | 30 | 06 | 12 | G20 | 987 | 612 89 RADAT 24157 | WRC |
| SA | 1650 | CLR | 20 | | | 073 | 87 | 31 | 05 | 12 | | 986 | FEW CI 10W | WRC |
| SA | 1750 | 250 - SCT | 20 | | | 076 | 86 | 32 | 03 | 12 | | 987 | | WRC |
| SA | 1850 | 250 - SCT | 20 | | | 080 | 84 | 29 | 05 | 10 | | 988 | 303 1001 | WRC |
| SA | 1950 | 250 - SCT | 20 | | | 085 | 79 | 31 | 06 | 09 | | 989 | | WRC |
| SA | 2050 | CLR | 20 | | | 098 | 77 | 33 | 04 | 08 | | 993 | | WRC |
| SA | 2150 | CLR | 20 | | | 102 | 76 | 34 | 04 | 11 | | 994 | 219 89 | WRC |
| SA | 2250 | CLR | 20 | | | 105 | 73 | 35 | 06 | 08 | | 995 | | WRC |
| SA | 2350 | CLR | 20 | | | 105 | 73 | 34 | 05 | 12 | | 995 | | WRC |

A synoptic observation, in WMO code format FM11V, is entered on line following related aviation observation.

FM11V: IIiii Nddff VVwwW PPPTT $N_hC_LhC_MC_H$ $T_dT_dopp$ $6P_oP_oP_oP_o$ $7RRR_{ts}$ $8N_sCh\ h_s$ $9S_pS_pS_pS_p$ $2R_{24}R_{24}R_{24}R_{24}$ $3P_wP_wH_wH_w$ $d_wd_wP_wH_wH_w$ $4T_xT_xT_nT_n$

☆U.S.GPO:1980-0-665-115/1108

MF1-10B
(2-79)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: WSMC, DESERT ROCK, NV

DATE: 1981 JUN 3

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

| TIME (L.S.T.) 16 | STATION PRESSURE (Ins.) 17 | DRY BULB (°F) 18 | WET BULB (°F) 19 | REL. HUMIDITY (%) 20 | TOTAL SKY COVER 21 | LOWEST LAYER AMT. 22 | LOWEST LAYER TYPE 23 | LOWEST LAYER HEIGHT 24 | SECOND LAYER AMT. 25 | SECOND LAYER TYPE 26 | SECOND LAYER HEIGHT 27 | SUMMATION TOTAL 28 | THIRD LAYER AMT. 29 | THIRD LAYER TYPE 30 | THIRD LAYER HEIGHT 31 | SUMMATION TOTAL 32 | FOURTH LAYER AMT. 33 | FOURTH LAYER TYPE 34 | FOURTH LAYER HEIGHT 35 | TOTAL OPAQUE SKY COVER 36 | PRESSURE TENDENCY 37 | NET 3-HR. CHANGE (Ins.) 38 | SUNSHINE (Min.) 39 | PRECIPITATION (Ins.) 40 | HR. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00 48 | 26.510 | 68.0 | 52.4 | 35 | 0 | | | | | | | | | | | | | | | 0 | 2 | .060 | | | 00-01 |
| 01 47 | 26.520 | 66.7 | 52.1 | 37 | 0 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 45 | 26.540 | 65.1 | 51.5 | 39 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 48 | 26.535 | 66.3 | 51.5 | 36 | 0 | | | | | | | | | | | | | | | 0 | 0 | 025 | | | 03-04 |
| 04 52 | 26.540 | 64.3 | 52.0 | 44 | 0 | | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 05 49 | 26.565 | 65.2 | 52.0 | 41 | 0 | | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 06 48 | 26.575 | 68.0 | 53.0 | 37 | 0 | | | | | | | | | | | | | | | 0 | 3 | 040 | | | 06-07 |
| 07 50 | 26.580 | 70.4 | 53.7 | 33 | 0 | | | | | | | | | | | | | | | 0 | | | | | 07-08 |
| 08 49 | 26.590 | 73.2 | 53.7 | 27 | 0 | | | | | | | | | | | | | | | 0 | | | | | 08-09 |
| 09 48 | 26.560 | 75.3 | 54.1 | 24 | 0 | 0 | CI | 300 | | | | | | | | | | | | 0 | 8 | 015 | | | 09-10 |
| 10 48 | 26.550 | 77.8 | 54.2 | 19 | 0 | | | | | | | | | | | | | | | 0 | | | | | 10-11 |
| 11 49 | 26.530 | 80.1 | 55.0 | 18 | 0 | | | | | | | | | | | | | | | 0 | | | | | 11-12 |
| 12 49 | 26.510 | 84.0 | 56.8 | 16 | 0 | 0 | CI | 300 | | | | | | | | | | | | 0 | 7 | 050 | | | 12-13 |
| 13 49 | 26.505 | 84.5 | 56.3 | 14 | 0 | | | | | | | | | | | | | | | 0 | | | | | 13-14 |
| 14 50 | 26.480 | 88.3 | 58.2 | 14 | 0 | | | | | | | | | | | | | | | 0 | | | | | 14-15 |
| 15 50 | 26.475 | 87.8 | 57.3 | 13 | 0 | | | | | | | | | | | | | | | 0 | 6 | 035 | | | 15-16 |
| 16 50 | 26.465 | 87.3 | 57.3 | 13 | 0 | | | | | | | | | | | | | | | 0 | | | | | 16-17 |
| 17 50 | 26.475 | 86.2 | 57.1 | 14 | 1 | | | | | | | | | | | | | | | 0 | | | | | 17-18 |
| 18 50 | 26.485 | 83.8 | 55.6 | 14 | 4 | 4 | CI | 250 | | | | | | | | | | | | 1 | 3 | .010 | | | 18-19 |
| 19 50 | 26.495 | 79.3 | 54.3 | 17 | 2 | | | | | | | | | | | | | | | 1 | | | | | 19-20 |
| 20 50 | 26.530 | 77.0 | 53.9 | 20 | 0 | | | | | | | | | | | | | | | 0 | | | | | 20-21 |
| 21 50 | 26.540 | 76.3 | 53.5 | 21 | 0 | | | | | | | | | | | | | | | 0 | 2 | .055 | | | 21-22 |
| 22 50 | 26.550 | 72.6 | 53.0 | 25 | 0 | | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 23 50 | 26.550 | 73.1 | 52.6 | 24 | 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 0342 | | 0 | 0 | | 69 | 64 | | | | | | | | | | |
| | 0342 | 1 | 0 | 0 | 0 | 72 | 64 | | 0 | | | | | | | | |
| | 0941 | 2 | 0 | 0 | 0 | 77 | 64 | | 0 | | | | | | | | |
| | 1546 | 3 | 0 | 0 | 0 | 89 | 75 | | 0 | | | | | | | | |
| | 2146 | 4 | 0 | 0 | 0 | 89 | 76 | | 0 | | | | | | | | |
| | MID. | | 0 | 0 | 0 | 76 | 73 | | | | | | | | | | |

STATION PRESSURE COMPUTATIONS

| TIME (L.S.T.) 59 | 0348 | 0948 | 1548 | 2148 |
|---|---|---|---|---|
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.535 | 26.560 | 26.475 | 26.540 |
| BAROGRAPH 64 | 26.530 | 26.560 | 26.480 | 26.520 |
| BAR. CORR. 65 | +.005 | ±0 | -.005 | +.020 |

SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

| 24-HR. MAX. TEMP. (°F) 66 | 24-HR. MIN. TEMP. (°F) 67 | 24-HR. PRECIP. WATER EQUIV. (Ins.) 68 | 24-HR. SNOWFALL 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 69 | 64 | 0 | 0 | 0 | 21 | E* | 1311 | | | | | 0 | 0 | | |

WEATHER & OBSTRUCTIONS TO VISION

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

90. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE SUNSET

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

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

TIME CHECK: 0658 P 2 Seconds Slow
2307 P 1 Sec Slow

* Direction Estimated. Wind Recorder inoperative AT Time. PEN OFF ON DIR SIDE



☆ U.S. Government Printing Office: 1979—665-010/1153 Region No. 6.

MF1-10A (10-78)

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

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: 1981 JUN 4

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

| TYPE (1) | TIME (LST) (2) | SKY AND CEILING (Hundreds of Feet) (3) | VISIBILITY (Miles) SURFACE (4) | VISIBILITY (Miles) TOWER (4a) | WEATHER AND OBSTRUCTIONS TO VISION (5) | SEA LEVEL PRESS. (Mbs.) (6) | TEMP. (°F) (7) | DEW PT. (°F) (8) | WIND DIRECTION (00-36) (9) | WIND SPEED (Kts.) (10) | WIND CHARACTER (11) | ALTIMETER SETTING (Ins.) (12) | REMARKS AND SUPPLEMENTAL CODED DATA (13) | OB. SERVER'S INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0050 | CLR | 20 | | | 110 | 71 | 33 | 04 | 06 | | 997 | 310 | WRC |
| SA | 0150 | CLR | 20 | | | 116 | 69 | 34 | 05 | 08 | | 999 | | WRC |
| SA | 0250 | CLR | 20 | | | 122 | 69 | 37 | 06 | 06 | | 001 | | WRC |
| SA | 0347 | CLR | 20 | | | 121 | 68 | 38 | 04 | 12 | | 001 | 110 1001 67 RADAT 33159 | US |
| SA | 0449 | CLR | 20 | | | 126 | 68 | 38 | 04 | 12 | | 002 | | US |
| SA | 0547 | CLR | 20 | | | 135 | 70 | 36 | 05 | 11 | | 005 | | US |
| SA | 0650 | CLR | 20 | | | 136 | 73 | 38 | 03 | 17 | | 005 | 214 1001 | US |
| SA | 0748 | CLR | 20 | | | 136 | 76 | 40 | 03 | 12 | | 005 | | US |
| SA | 0850 | CLR | 20 | | | 131 | 81 | 40 | 04 | 11 | | 004 | | US |
| SA | 0949 | CLR | 20 | | | 125 | 84 | 39 | 05 | 14 | | 003 | 808 67 | US |
| SA | 1048 | CLR | 20 | | | 121 | 86 | 38 | 08 | 07 | | 001 | | US |
| SA | 1149 | CLR | 20 | | | 114 | 87 | 38 | 01 | 08 | | 999 | | US |
| SA | 1247 | CLR | 20 | | | 108 | 89 | 38 | 07 | 10 | | 997 | 715 | US |
| SA | 1349 | CLR | 20 | | | 101 | 91 | 39 | 05 | 10 | | 995 | | US |
| SA | 1448 | CLR | 20 | | | 088 | 92 | 38 | 02 | 07 | | 992 | | US |
| SA | 1550 | CLR | 20 | | | 082 | 94 | 39 | 01 | 12 | | 990 | 724 95 RADAT 20163 | WRC |
| SA | 1650 | CLR | 20 | | | 076 | 94 | 38 | 05 | 09 | | 988 | | WRC |
| SA | 1750 | CLR | 20 | | | 075 | 93 | 38 | 03 | 09 | | 988 | | WRC |
| SA | 1850 | CLR | 20 | | | 079 | 89 | 40 | 02 | 07 | | 989 | 502 | WRC |
| SA | 1950 | CLR | 20 | | | 086 | 83 | 41 | 06 | 10 | | 991 | | WRC |
| SA | 2050 | CLR | 20 | | | 094 | 79 | 42 | 03 | 07 | | 993 | | WRC |
| SA | 2150 | CLR | 20 | | | 096 | 80 | 39 | 08 | 07 | | 994 | 215 95 | WRC |
| SA | 2250 | CLR | 20 | | | 095 | 79 | 40 | 05 | 06 | | 994 | | WRC |
| SA | 2350 | CLR | 20 | | | 095 | 78 | 39 | 07 | 06 | | 994 | | WRC |

A synoptic observation, in WMO code format FM11V, is entered on line following related aviation observation.

FM11V: Iliii Nddff VVwwW PPPTT $N_hC_LhC_MC_H$ $T_dT_dapp$ $6P_oP_oP_oP_o$ $7RRR_{ts}$ $8N_sCh\ h_s$ $9SpSpspsp$ $2R_{24}R_{24}R_{24}R_{24}$ $3P_wP_wH_wH_w$ $d_wd_wP_wH_wH_w$ $4T_xT_xT_nT_n$

☆U.S.GPO:1980-0-665-115/1108

MF1-10B
(2-79)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: 1981 JUN 4

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

| TIME (L.S.T.) 16 | STATION PRESSURE (Ins.) 17 | DRY BULB (°F) 18 | WET BULB (°F) 19 | REL. HUMIDITY (%) 20 | TOTAL SKY COVER 21 | LOWEST LAYER AMT. 22 | LOWEST LAYER TYPE 23 | LOWEST LAYER HEIGHT 24 | SECOND LAYER AMT. 25 | SECOND LAYER TYPE 26 | SECOND LAYER HEIGHT 27 | SUMMATION TOTAL 28 | THIRD LAYER AMT. 29 | THIRD LAYER TYPE 30 | THIRD LAYER HEIGHT 31 | SUMMATION TOTAL 32 | FOURTH LAYER AMT. 33 | FOURTH LAYER TYPE 34 | FOURTH LAYER HEIGHT 35 | TOTAL OPAQUE SKY COVER 36 | PRESSURE TENDENCY 37 | NET 3-HR. CHANGE (Ins.) 38 | SUNSHINE (Min.) 39 | PRECIPITATION (Ins.) 40 | HR. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00 50 | 26.570 | 71.3 | 51.7 | 24 | 0 | | | | | | | | | | | | | | | 0 | 3 | .030 | | | 00-01 |
| 01 50 | 26.585 | 69.4 | 51.1 | 27 | 0 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 50 | 26.600 | 68.8 | 51.8 | 30 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 49 | 26.600 | 68.0 | 51.8 | 33 | 0 | 0 | CI | 280 | | | | | | | | | | | | 0 | 1 | 0.30 | | | 03-04 |
| 04 49 | 26.610 | 68.1 | 51.8 | 33 | 0 | | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 05 47 | 26.635 | 70.0 | 52.2 | 29 | 0 | | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 06 50 | 26.640 | 73.2 | 54.0 | 28 | 0 | 0 | CI | 280 | | | | | | | | | | | | 0 | 2 | 0.40 | | | 06-07 |
| 07 48 | 26.635 | 76.4 | 56.0 | 27 | 0 | | | | | | | | | | | | | | | 0 | | | | | 07-08 |
| 08 50 | 26.625 | 80.7 | 57.7 | 23 | 0 | | | | | | | | | | | | | | | 0 | | | | | 08-09 |
| 09 49 | 26.615 | 84.0 | 58.6 | 20 | 0 | | | | | | | | | | | | | | | 0 | 8 | 0.25 | | | 09-10 |
| 10 48 | 26.600 | 85.7 | 58.9 | 19 | 0 | | | | | | | | | | | | | | | 0 | | | | | 10-11 |
| 11 49 | 26.585 | 87.0 | 59.2 | 18 | 0 | | | | | | | | | | | | | | | 0 | | | | | 11-12 |
| 12 47 | 26.570 | 89.2 | 60.0 | 17 | 0 | | | | | | | | | | | | | | | 0 | 7 | 0.45 | | | 12-13 |
| 13 49 | 26.550 | 91.0 | 60.8 | 16 | 0 | | | | | | | | | | | | | | | 0 | | | | | 13-14 |
| 14 48 | 26.520 | 92.4 | 61.2 | 15 | 0 | | | | | | | | | | | | | | | 0 | | | | | 14-15 |
| 15 50 | 26.500 | 93.6 | 61.7 | 15 | 0 | | | | | | | | | | | | | | | 0 | 7 | .070 | | | 15-16 |
| 16 50 | 26.485 | 94.0 | 61.8 | 14 | 0 | | | | | | | | | | | | | | | 0 | | | | | 16-17 |
| 17 50 | 26.495 | 92.5 | 61.0 | 15 | 0 | | | | | | | | | | | | | | | 0 | | | | | 17-18 |
| 18 50 | 26.495 | 89.2 | 60.5 | 18 | 0 | | | | | | | | | | | | | | | 0 | 5 | .005 | | | 18-19 |
| 19 50 | 26.510 | 82.7 | 58.8 | 23 | 0 | | | | | | | | | | | | | | | 0 | | | | | 19-20 |
| 20 50 | 26.530 | 79.0 | 57.9 | 27 | 0 | | | | | | | | | | | | | | | 0 | | | | | 20-21 |
| 21 50 | 26.540 | 80.3 | 57.0 | 23 | 0 | | | | | | | | | | | | | | | 0 | 2 | .045 | | | 21-22 |
| 22 50 | 26.540 | 78.8 | 56.8 | 25 | 0 | | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 23 50 | 26.540 | 77.8 | 56.1 | 25 | 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 0339 | X | 0 | 0 | X | 73 | 67 | X | X | | | | | | X | | |
| | 0339 | 1 | 0 | 0 | 0 | 76 | 67 | | 0 | | | | | | | | |
| | 0941 | 2 | 0 | 0 | 0 | 85 | 67 | | 0 | | | | | | | | |
| | 1546 | 3 | 0 | 0 | 0 | 95 | 64 | | 0 | | | | | | | | |
| | 2146 | 4 | 0 | 0 | 0 | 94 | 79 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 81 | 76 | X | X | | | | | | X | | |

## STATION PRESSURE COMPUTATIONS

| TIME (L.S.T.) 59 | 0346 | 0948 | 1548 | 2148 |
|---|---|---|---|---|
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.600 | 26.615 | 26.500 | 26.540 |
| BAROGRAPH 64 | 26.590 | 26.605 | 26.500 | 26.520 |
| BAR. CORR. 65 | +.010 | +.010 | ±0 | +.020 |

## SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

| 24-HR. MAX. TEMP. (°F) 66 | 24-HR. MIN. TEMP. (°F) 67 | 24-HR. PRECIP. WATER EQUIV. (Ins.) 68 | 24-HR. SNOWFALL UNMLTD (Ins.) 69 | SNOW DEPTH (Ins.) 70 | PEAK WIND SPEED (Kts.) 71 | PEAK WIND DIRECTION 72 | PEAK WIND TIME (L.S.T.) 73 | THICKNESS OF ICE ON WATER (Ins.) 74 | FROZEN GROUND LAYER (Ins.) TOP 75 | FROZEN GROUND LAYER (Ins.) BASE 76 | RIVER GAGE 77 | SKY COVER SUNRISE TO SUNSET 78 | SKY COVER MIDNIGHT TO MIDNIGHT 79 | WATER EQUIV. (Ins.) 80 | 81 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 95 | 67 | 0 | 0 | 0 | 21 | E | 0933 | | | | | 0 | 0 | | |

## WEATHER & OBSTRUCTIONS TO VISION

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

## 90. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE SUNSET

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

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

TIME CHECK: 0722P - 2 seconds slow

2336P 1 second slow

MF1-10B

☆ U.S. Government Printing Office: 1979—665 010/1153 Region No. 6.

MF1-10A (10-78)

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

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: 1981 JUN 5

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

| TYPE (1) | TIME (LST) (2) | SKY AND CEILING (Hundreds of Feet) (3) | VISIBILITY (Miles) SURFACE (4) | VISIBILITY (Miles) TOWER (4a) | WEATHER AND OBSTRUCTIONS TO VISION (5) | SEA LEVEL PRESS. (Mbs.) (6) | TEMP. (°F) (7) | DEW PT. (°F) (8) | WIND DIRECTION (00-36) (9) | WIND SPEED (Kts.) (10) | WIND CHARACTER (11) | ALTIMETER SETTING (Ins.) (12) | REMARKS AND SUPPLEMENTAL CODED DATA (13) | OBSERVER'S INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0050 | CLR | 20 | | | 093 | 79 | 38 | 10 | 07 | | 994 | 400 | WRC |
| SA | 0150 | CLR | 20 | | | 095 | 74 | 39 | 07 | 03 | | 994 | | WRC |
| SA | 0250 | CLR | 20 | | | 094 | 75 | 38 | 10 | 06 | | 994 | | WRC |
| SA | 0346 | CLR | 20 | | | 097 | 74 | 40 | 09 | 05 | | 995 | 303 73 RADAT 20154 | US |
| SA | 0448 | CLR | 20 | | | 105 | 75 | 38 | 01 | 07 | | 997 | | US |
| SA | 0550 | CLR | 20 | | | 106 | 78 | 43 | 05 | 08 | | 998 | | US |
| SA | 0649 | CLR | 20 | | | 111 | 81 | 41 | 03 | 08 | | 999 | 214 | US |
| SA | 0747 | CLR | 20 | | | 113 | 85 | 44 | 05 | 06 | | 999 | | US |
| SA | 0846 | CLR | 20 | | | 106 | 90 | 43 | 13 | 09 | | 998 | | US |
| SA | 0949 | CLR | 20 | | | 103 | 91 | 41 | 13 | 10 | | 997 | 807 72 | US |
| SA | 1048 | CLR | 20 | | | 103 | 94 | 40 | 08 | 11 | | 997 | | US |
| SA | 1148 | CLR | 20 | | | 097 | 93 | 38 | 36 | 03 | | 996 | | US |
| SA | 1250 | CLR | 20 | | | 086 | 95 | 37 | 36 | 03 | | 993 | 814 | US |
| SA | 1348 | CLR | 20 | | | 076 | 98 | 38 | 13 | 03 | | 990 | | US |
| SA | 1446 | CLR | 20 | | | 069 | 97 | 37 | 33 | 03 | | 987 | | US |
| SA | 1550 | CLR | 20 | | | 063 | 99 | 36 | 24 | 09 | | 986 | 722 99 RADAT 20157 | WRC |
| SA | 1650 | CLR | 20 | | | 056 | 98 | 37 | 23 | 10 | | 984 | | WRC |
| SA | 1750 | CLR | 20 | | | 052 | 97 | 39 | 22 | 04 | | 983 | FEW CI DSNT NW | WRC |
| SA | 1850 | CLR | 20 | | | 052 | 93 | 39 | 00 | 00 | | 983 | 608 1005 | WRC |
| SA | 1950 | CLR | 20 | | | 057 | 86 | 40 | 17 | 04 | | 984 | | WRC |
| SA | 2050 | CLR | 20 | | | 062 | 82 | 40 | 07 | 05 | | 985 | | WRC |
| SA | 2150 | CLR | 20 | | | 060 | 83 | 34 | 09 | 06 | | 985 | 107 99 | WRC |
| SA | 2250 | CLR | 20 | | | 054 | 80 | 39 | 09 | 04 | | 984 | | WRC |
| SA | 2350 | CLR | 20 | | | 056 | 80 | 36 | 10 | 09 | | 984 | | WRC |

A synoptic observation, in WMO code format FM11V, is entered on line following related aviation observation.

FM11V: Iliii Ndaff VVwwW PPPTT $N_hC_LhC_MC_H$ $T_dT_dopp$ $6P_oP_oP_oP_o$ $7RRR_{ts}$ $8N_sCh\ h_s$ $9SpSpspsp$ $2R_{24}R_{24}R_{24}R_{24}$ $3P_wP_wH_wH_w$ $d_wd_wP_wH_wH_w$ $4T_xT_xT_nT_n$

☆U.S.GPO:1980-0-665-115/1108

MF1-10B
(2-79)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: 1981 JUN 5

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

| TIME (L.S.T.) 16 | STATION PRESSURE (Ins.) 17 | DRY BULB (°F) 18 | WET BULB (°F) 19 | REL. HUMIDITY (%) 20 | TOTAL SKY COVER 21 | CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT. 22 | LOWEST LAYER TYPE 23 | LOWEST LAYER HEIGHT 24 | SECOND LAYER AMT. 25 | SECOND LAYER TYPE 26 | SECOND LAYER HEIGHT 27 | SUMMATION TOTAL 28 | THIRD LAYER AMT. 29 | THIRD LAYER TYPE 30 | THIRD LAYER HEIGHT 31 | SUMMATION TOTAL 32 | FOURTH LAYER AMT. 33 | FOURTH LAYER TYPE 34 | FOURTH LAYER HEIGHT 35 | TOTAL OPAQUE SKY COVER 36 | PRESSURE TENDENCY 37 | NET 3-HR. CHANGE (Ins.) 38 | SUNSHINE (Min.) 39 | PRECIPITATION (Ins.) 40 | HR. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00 50 | 26.540 | 79.0 | 56.4 | 23 | 0 | | | | | | | | | | | | | | | 0 | 4 | .000 | | | | 00-01 |
| 01 50 | 26.540 | 73.8 | 54.9 | 26 | 0 | | | | | | | | | | | | | | | 0 | | | | | | 01-02 |
| 02 50 | 26.540 | 74.9 | 54.9 | 27 | 0 | | | | | | | | | | | | | | | 0 | | | | | | 02-03 |
| 03 46 | 26.550 | 74.0 | 55.0 | 29 | 0 | | | | | | | | | | | | | | | 0 | 3 | .010 | | | | 03-04 |
| 04 48 | 26.570 | 74.9 | 55.0 | 27 | 0 | | | | | | | | | | | | | | | 0 | | | | | | 04-05 |
| 05 50 | 26.580 | 77.7 | 57.5 | 29 | 0 | | | | | | | | | | | | | | | 0 | | | | | | 05-06 |
| 06 49 | 26.590 | 80.5 | 58.0 | 25 | 0 | | | | | | | | | | | | | | | 0 | 2 | .040 | | | | 06-07 |
| 07 47 | 26.590 | 85.1 | 60.5 | 23 | 0 | | | | | | | | | | | | | | | 0 | | | | | | 07-08 |
| 08 46 | 26.595 | 89.7 | 61.9 | 20 | 0 | | | | | | | | | | | | | | | 0 | | | | | | 08-09 |
| 09 49 | 26.570 | 91.0 | 61.6 | 18 | 0 | | | | | | | | | | | | | | | 0 | 8 | .020 | | | | 09-10 |
| 10 48 | 26.570 | 93.8 | 62.4 | 16 | 0 | | | | | | | | | | | | | | | 0 | | | | | | 10-11 |
| 11 48 | 26.555 | 92.8 | 61.4 | 15 | 0 | | | | | | | | | | | | | | | 0 | | | | | | 11-12 |
| 12 50 | 26.530 | 95.2 | 61.8 | 13 | 0 | | | | | | | | | | | | | | | 0 | 8 | .040 | | | | 12-13 |
| 13 48 | 26.500 | 97.7 | 63.0 | 13 | 0 | | | | | | | | | | | | | | | 0 | | | | | | 13-14 |
| 14 46 | 26.480 | 97.0 | 62.5 | 13 | 0 | | | | | | | | | | | | | | | 0 | | | | | | 14-15 |
| 15 50 | 26.465 | 99.2 | 62.9 | 11 | 0 | | | | | | | | | | | | | | | 0 | 7 | .065 | | | | 15-16 |
| 16 50 | 26.450 | 98.4 | 62.8 | 12 | 0 | | | | | | | | | | | | | | | 0 | | | | | | 16-17 |
| 17 50 | 26.440 | 96.9 | 62.8 | 13 | 0 | | | | | | | | | | | | | | | 0 | | | | | | 17-18 |
| 18 50 | 26.440 | 93.3 | 61.8 | 15 | 0 | 0 | CI | 300 | | | | | | | | | | | | 0 | 6 | .025 | | | | 18-19 |
| 19 50 | 26.450 | 86.3 | 59.5 | 19 | 0 | | | | | | | | | | | | | | | 0 | | | | | | 19-20 |
| 20 50 | 26.460 | 81.8 | 58.0 | 22 | 0 | | | | | | | | | | | | | | | 0 | | | | | | 20-21 |
| 21 50 | 26.460 | 83.1 | 56.7 | 17 | 0 | | | | | | | | | | | | | | | 0 | 1 | .020 | | | | 21-22 |
| 22 50 | 26.445 | 80.2 | 57.1 | 23 | 0 | | | | | | | | | | | | | | | 0 | | | | | | 22-23 |
| 23 50 | 26.450 | 80.4 | 56.2 | 20 | 0 | | | | | | | | | | | | | | | 0 | | | | | | 23-24 |

SYNOPTIC OBSERVATIONS

| TIME (G.M.T.) 41 | TIME (L.S.T.) 42 | NO. 43 | PRECIP. (Ins.) 44 | SNOW FALL (Ins.) 45 | SNOW DEPTH (Ins.) 46 | MAX. TEMP. (°F) 47 | MIN. TEMP. (°F) 48 | PRECIP. ORIGIN 49 | STATE OF GRND. 50 | 51 | 52 | 53 | 54 | 55 | SOIL TEMP. 56 | 57 | 58 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MID. TO 0340 | X | 0 | 0 | X | 79 | 73 | X | X | | | | | | X | | |
| | 0340 | 1 | 0 | 0 | 0 | 81 | 73 | | 0 | | | | | | | | |
| | 0941 | 2 | 0 | 0 | 0 | 92 | 72 | | 0 | | | | | | | | |
| | 1546 | 3 | 0 | 0 | 0 | 99 | 91 | | 0 | | | | | | | | |
| | 2146 | 4 | 0 | 0 | 0 | 99 | 82 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 84 | 74 | X | X | | | | | | X | | |

STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0345 | 0948 | 1548 | 2148 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.550 | 26.590 | 26.465 | 26.460 |
| BAROGRAPH 64 | 26.540 | 26.590 | *26.465 | 26.450 |
| BAR. CORR. 65 | +.010 | ±0 | ±0 | +.010 |

SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

| 24-HR. MAX. TEMP. (°F) 66 | 24-HR. MIN. TEMP. (°F) 67 | 24-HR. PRECIP. WATER EQUIV. (Ins.) 68 | 24-HR. SNOWFALL UNMLTD (Ins.) 69 | SNOW DEPTH (Ins.) 70 | PEAK WIND: SPEED (Kts.) 71 | PEAK WIND: DIRECTION 72 | PEAK WIND: TIME (L.S.T.) 73 | THICKNESS OF ICE ON WATER (Ins.) 74 | FROZEN GROUND LAYER (Ins.): TOP 75 | FROZEN GROUND LAYER (Ins.): BASE 76 | RIVER GAGE 77 | SKY COVER: SUNRISE TO SUNSET 78 | SKY COVER: MIDNIGHT TO MIDNIGHT 79 | WATER EQUIV. (Ins.) 80 | 81 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 99 | 72 | 0 | 0 | 0 | 12** | W | 1453 | | | | | 0 | 0 | | |

WEATHER & OBSTRUCTIONS TO VISION

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

90. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE SUNSET

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

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

TIME CHECK: 0 of P 2 Seconds Slow 2349 P 1 Sec Slow

** Last of Several occurances

* Barograph changed and reset to zero corr.

MF1-10B

☆ U.S. Government Printing Office: 1979—665-010/1153 Region No. 6.

MF1-10A (10-78)

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

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: 1981 JUN 6

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

| TYPE (1) | TIME (LST) (2) | SKY AND CEILING (Hundreds of Feet) (3) | VISIBILITY (Miles) SURFACE (4) | VISIBILITY (Miles) TOWER (4a) | WEATHER AND OBSTRUCTIONS TO VISION (5) | SEA LEVEL PRESS. (Mbs.) (6) | TEMP (°F) (7) | DEW PT. (°F) (8) | WIND DIRECTION (100-36) (9) | WIND SPEED (Kts.) (10) | WIND CHARACTER (11) | ALTIMETER SETTING (Ins.) (12) | REMARKS AND SUPPLEMENTAL CODED DATA (13) | OBSERVERS INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0050 | CLR | 20 | | | 058 | 75 | 41 | 05 | 05 | | 984 | 6073 | WRC |
| SA | 0150 | CLR | 20 | | | 054 | 75 | 42 | 05 | 04 | | 983 | | WRC |
| SA | 0250 | CLR | 20 | | | 055 | 72 | 43 | 07 | 05 | | 983 | | WRC |
| SA | 0349 | 300 - SCT | 20 | | | 057 | 72 | 44 | 03 | 08 | | 984 | 500 1008 71 RADAT 31149 | US |
| SA | 0450 | 300 - SCT | 20 | | | 064 | 75 | 37 | 03 | 07 | | 986 | | US |
| SA | 0549 | 300 - SCT | 20 | | | 073 | 75 | 43 | 15 | 03 | | 988 | | US |
| SA | 0650 | 300 - SCT | 20 | | | 074 | 81 | 42 | 00 | 00 | | 990 | 317 1008 | US |
| SA | 0748 | 300 - SCT | 20 | | | 082 | 85 | 45 | 32 | 02 | | 992 | | US |
| SA | 0849 | 300 - SCT | 20 | | | 086 | 88 | 45 | 21 | 04 | | 992 | | US |
| SA | 0949 | 300 SCT | 20 | | | 078 | 92 | 45 | 25 | 08 | | 991 | 003 1002 71 | US |
| SA | 1049 | 300 SCT | 20 | | | 072 | 95 | 43 | 19 | 09 | | 989 | | US |
| SA | 1150 | 300 - SCT | 20 | | | 064 | 98 | 38 | 25 | 14 | | 987 | | US |
| SA | 1249 | 300 SCT | 20 | | | 056 | 100 | 37 | 18 | 13 | | 984 | 720 1002 | US |
| SA | 1349 | 300 SCT | 20 | | | 052 | 100 | 36 | 23 | 18 | | 983 | | US |
| SA | 1450 | 250 SCT | 20 | | | 050 | 100 | 36 | 21 | 12 | | 982 | | US |
| SA | 1550 | E 250 BKN | 20 | | | 043 | 99 | 33 | 21 | 12 G20 | | 980 | 714 1006 01 RADAT 20153 | WRC |
| SA | 1650 | 250 - SCT | 20 | | | 032 | 100 | 33 | 21 | 14 G24 | | 978 | | WRC |
| SA | 1750 | 180 SCT 250 SCT | 20 | | | 034 | 98 | 32 | 21 | 12 G20 | | 978 | | WRC |
| SA | 1850 | 180 SCT E250 BKN | 20 | | | 036 | 94 | 32 | 21 | 12 | | 979 | 503 1076 | WRC |
| SA | 1950 | E 250 BKN | 20 | | | 044 | 91 | 36 | 23 | 14 | | 981 | | WRC |
| SA | 2050 | 250 SCT | 20 | | | 052 | 88 | 39 | 24 | 09 | | 983 | | WRC |
| SA | 2150 | 250 SCT | 20 | | | 050 | 86 | 37 | 22 | 11 | | 983 | 114 1004 01 | WRC |
| SA | 2250 | 250 SCT | 20 | | | 044 | 86 | 33 | 22 | 12 G18 | | 982 | | WRC |
| SA | 2350 | 250 SCT | 20 | | | 044 | 86 | 34 | 22 | 14 G22 | | 982 | | WRC |

A synoptic observation, in WMO code format FM11V, is entered on line following related aviation observation.

FM11V: Iliii Nddff VVwwW PPPTT $N_hC_LhC_MC_H$ $T_dT_dapp$ $6P_oP_oP_oP_o$ $7RRR_{tt}$ $8N_sCh\ h_s$ $9S_pS_psp_sp$ $2R_{24}R_{24}R_{24}R_{24}$ $3P_wP_wH_wH_w$ $d_wd_wP_wH_wH_w$ $4T_xT_xT_nT_n$

☆U.S.GPO:1980-0-665-115/1108

MF1-10B
(2-79)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: 1981 JUN 6

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

| TIME (L.S.T.) 16 | STATION PRESSURE (Ins.) 17 | DRY BULB (°F) 18 | WET BULB (°F) 19 | REL. HUMIDITY (%) 20 | TOTAL SKY COVER 21 | CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT. 22 | LOWEST LAYER TYPE 23 | LOWEST LAYER HEIGHT 24 | SECOND LAYER AMT. 25 | SECOND LAYER TYPE 26 | SECOND LAYER HEIGHT 27 | SUMMATION TOTAL 28 | THIRD LAYER AMT. 29 | THIRD LAYER TYPE 30 | THIRD LAYER HEIGHT 31 | SUMMATION TOTAL 32 | FOURTH LAYER AMT. 33 | FOURTH LAYER TYPE 34 | FOURTH LAYER HEIGHT 35 | TOTAL OPAQUE SKY COVER 36 | PRESSURE TENDENCY 37 | NET 3-HR. CHANGE (Ins.) 38 | SUNSHINE (Min.) 39 | PRECIPITATION (Ins.) 40 | HR. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00 50 | 26.450 | 75.0 | 55.9 | 30 | 0 | | | | | | | | | | | | | | | 0 | 6 | .010 | | | 00-01 |
| 01 50 | 26.440 | 74.7 | 56.0 | 31 | 0 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 50 | 26.440 | 72.3 | 55.7 | 35 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 49 | 26.450 | 72.2 | 56.0 | 36 | 1 | 1 | CS | 300 | | | | | | | | | | | | 0 | 5 | .000 | | | 03-04 |
| 04 50 | 26.470 | 75.0 | 54.3 | 25 | 5 | | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 05 49 | 26.490 | 75.0 | 56.5 | 31 | 4 | | | | | | | | | | | | | | | 1 | | | | | 05-06 |
| 06 50 | 26.500 | 81.2 | 58.5 | 25 | 2 | 2 | CS | 300 | | | | | | | | | | | | 0 | 3 | .050 | | | 06-07 |
| 07 48 | 26.515 | 85.0 | 61.0 | 25 | 2 | | | | | | | | | | | | | | | 1 | | | | | 07-08 |
| 08 49 | 26.520 | 89.8 | 62.1 | 23 | 1 | | | | | | | | | | | | | | | 0 | | | | | 08-09 |
| 09 49 | 26.510 | 92.0 | 63.5 | 20 | 3 | 3 | CI | 300 | | | | | | | | | | | | 2 | 0 | .010 | | | 09-10 |
| 10 49 | 26.495 | 94.8 | 63.5 | 17 | 3 | | | | | | | | | | | | | | | 2 | | | | | 10-11 |
| 11 50 | 26.475 | 97.8 | 62.9 | 13 | 4 | | | | | | | | | | | | | | | 2 | | | | | 11-12 |
| 12 49 | 26.450 | 99.7 | 63.4 | 12 | 5 | 5 | CI | 300 | | | | | | | | | | | | 3 | 7 | .060 | | | 12-13 |
| 13 49 | 26.440 | 99.7 | 63.0 | 11 | 5 | | | | | | | | | | | | | | | 3 | | | | | 13-14 |
| 14 50 | 26.430 | 100.3 | 63.1 | 11 | 2 | | | | | | | | | | | | | | | 2 | | | | | 14-15 |
| 15 50 | 26.410 | 99.3 | 62.1 | 10 | 7 | 7 | CI | E250 | | | | | | | | | | | | 6 | 7 | .040 | | | 15-16 |
| 16 50 | 26.390 | 99.6 | 62.2 | 10 | 5 | | | | | | | | | | | | | | | 2 | | | | | 16-17 |
| 17 50 | 26.390 | 98.0 | 61.3 | 10 | 5 | | | | | | | | | | | | | | | 3 | | | | | 17-18 |
| 18 50 | 26.400 | 94.2 | 60.1 | 11 | 7 | 1 | AC | 180 | 7 | CI | E250 | 7 | | | | | | | | 6 | 5 | .010 | | | 18-19 |
| 19 50 | 26.420 | 90.8 | 60.1 | 15 | 6 | | | | | | | | | | | | | | | 6 | | | | | 19-20 |
| 20 50 | 26.440 | 88.1 | 59.8 | 18 | 5 | | | | | | | | | | | | | | | 3 | | | | | 20-21 |
| 21 50 | 26.440 | 85.6 | 58.4 | 18 | 4 | 4 | CI | 250 | | | | | | | | | | | | 3 | 1 | .040 | | | 21-22 |
| 22 50 | 26.430 | 86.1 | 57.4 | 15 | 2 | | | | | | | | | | | | | | | 2 | | | | | 22-23 |
| 23 50 | 26.430 | 86.4 | 57.8 | 15 | 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 0340 | X | 0 | 0 | X | 80 | 71 | X | X | | | | | | X | | |
| | 0340 | 1 | 0 | 0 | 0 | 84 | 71 | | 0 | | | | | | | | |
| | 0941 | 2 | 0 | 0 | 0 | 92 | 72 | | 0 | | | | | | | | |
| | 1546 | 3 | 0 | 0 | 0 | 101 | 92 | | 0 | | | | | | | | |
| | 2146 | 4 | 0 | 0 | 0 | 101 | 46 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 88 | 46 | X | X | | | | | | X | | |

STATION PRESSURE COMPUTATIONS

| TIME (L.S.T.) 59 | 0348 | 0948 | 1548 | 2148 |
|---|---|---|---|---|
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.450 | 26.510 | 26.410 | 26.440 |
| BAROGRAPH 64 | 26.440 | 26.505 | 26.405 | 26.435 |
| 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 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 101 | 71 | 0 | 0 | 0 | 26 | SW | 1609 | | | | | 4 | 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: 0855P 2 seconds slow

2347P 2 seconds slow

MF1-10A (10-78)

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

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: 1981 JUN 7

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

| TYPE (1) | TIME (LST) (2) | SKY AND CEILING (Hundreds of Feet) (3) | VISIBILITY (Miles) SURFACE (4) | VISIBILITY (Miles) TOWER (4a) | WEATHER AND OBSTRUCTIONS TO VISION (5) | SEA LEVEL PRESS. (Mbs.) (6) | TEMP. (°F) (7) | DEW PT. (°F) (8) | WIND DIRECTION (100-36) (9) | WIND SPEED (Kts.) (10) | WIND CHARACTER (11) | ALTIMETER SETTING (Ins.) (12) | REMARKS AND SUPPLEMENTAL CODED DATA (13) | OBSERVER'S INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0050 | 250 SCT | 20 | | | 048 | 84 | 33 | 21 | 09 | | 983 | 500 1001 | WRG |
| SA | 0150 | 250 SCT | 20 | | | 053 | 83 | 32 | 20 | 12 | | 984 | | WRG |
| SA | 0250 | 250 SCT | 20 | | | 057 | 78 | 36 | 01 | 03 | | 985 | | WRG |
| SA | 0349 | 250 -BKN | 20 | | | 062 | 78 | 36 | 01 | 08 | | 987 | 210 1001 77 | JC |
| / | | | | | | | | | | | | | RADAT M156 | / |
| SA | 0444 | 250 -BKN | 20 | | | 066 | 77 | 36 | 24 | 06 | | 988 | | JC |
| SA | 0543 | 250 -OVC | 20 | | | 072 | 75 | 39 | 01 | 06 | | 989 | | JC |
| SA | 0647 | 250 -SCT | 20 | | | 077 | 83 | 40 | 23 | 10 | | 991 | 314 1001 | JC |
| SA | 0744 | 250 -SCT | 20 | | | 078 | 83 | 41 | 24 | 13 | | 991 | | JC |
| SA | 0849 | 250 SCT | 20 | | | 078 | 87 | 47 | 23 | 15 | | 991 | | JC |
| SA | 0949 | 250 -BKN | 20 | | | 078 | 90 | 42 | 24 | 16 | G21 | 991 | 400 1001 94 74 | JC |
| SA | 1048 | E250 BKN | 20 | | | 080 | 91 | 39 | 24 | 12 | | 992 | | JC |
| SA | 1147 | 250 -BKN | 20 | | | 076 | 95 | 37 | 21 | 14 | G18 | 991 | | JC |
| SA | 1250 | 250 -BKN | 20 | | | 068 | 96 | 36 | 24 | 10 | G24 | 989 | 807 1001 | JC |
| SA | 1345 | 250 -BKN | 20 | | | 061 | 96 | 36 | 20 | 14 | G20 | 987 | | JC |
| SA | 1446 | 250 -OVC | 20 | | | 064 | 98 | 38 | 24 | 12 | G17 | 987 | | JC |
| SA | 1554 | E250 BKN | 20 | | | 056 | 96 | 38 | 20 | 12 | | 984 | 714 1006 98 RADAT 37/161 | HS |
| SA | 1648 | 250 -SCT | 20 | | | 048 | 97 | 35 | 20 | 13 | | 982 | | HS |
| SA | 1749 | 250 -SCT | 20 | | | 050 | 95 | 34 | 23 | 15 | | 982 | | HS |
| SA | 1851 | 250 -SCT | 20 | | | 051 | 92 | 35 | 21 | 16 | | 983 | 503 1001 | HS |
| SA | 1948 | 250 -SCT | 20 | | | 062 | 88 | 36 | 21 | 07 | | 986 | | HS |
| SA | 2049 | 250 -SCT | 20 | | | 068 | 87 | 34 | 22 | 08 | | 988 | | HS |
| SA | 2146 | 250 -BKN | 20 | | | 063 | 86 | 35 | 24 | 11 | | 987 | 010 1001 98 | HS |
| SA | 2249 | 250 -SCT | 20 | | | 060 | 83 | 35 | 06 | 04 | | 986 | | HS |
| SA | 2348 | CLR | 20 | | | 066 | 77 | 38 | 03 | 08 | | 987 | | HS |

A synoptic observation, in WMO code format FM11V, is entered on line following related aviation observation.

FM11V: Iliii Nddff VVwwW PPPTT $N_hC_LhC_MC_H$ $T_dT_dapp$ $6P_oP_oP_oP_o$ $7RRR_{is}$ $8N_sCh\ h_s$ $9S_pS_psp_sp$ $2R_{24}R_{24}R_{24}R_{24}$ $3P_wP_wH_wH_w$ $d_wd_wP_wH_wH_w$ $4T_xT_xT_nT_n$

☆U.S.GPO:1980-0-665-115/1108

MF1-10B
(2-79)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: USNO, DESERT ROCK, NV

DATE: 1981 JUN 7

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

| TIME (L.S.T.) 16 | STATION PRESSURE (Ins.) 17 | DRY BULB (°F) 18 | WET BULB (°F) 19 | REL. HUMIDITY (%) 20 | TOTAL SKY COVER 21 | LOWEST LAYER AMT. 22 | LOWEST LAYER TYPE 23 | LOWEST LAYER HEIGHT 24 | SECOND LAYER AMT. 25 | SECOND LAYER TYPE 26 | SECOND LAYER HEIGHT 27 | SUMMATION TOTAL 28 | THIRD LAYER AMT. 29 | THIRD LAYER TYPE 30 | THIRD LAYER HEIGHT 31 | SUMMATION TOTAL 32 | FOURTH LAYER AMT. 33 | FOURTH LAYER TYPE 34 | FOURTH LAYER HEIGHT 35 | TOTAL OPAQUE SKY COVER 36 | PRESSURE TENDENCY 37 | NET 3-HR. CHANGE (Ins.) 38 | SUNSHINE (Min.) 39 | PRECIPITATION (Ins.) 40 | HR. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00 50 | 26.440 | 84.4 | 56.6 | 16 | 1 | 1 | Ci | 250 | | | | | | | | | | | | 1 | 5 | .000 | | | 00-01 |
| 01 50 | 26.450 | 83.3 | 56.1 | 16 | 1 | | | | | | | | | | | | | | | 1 | | | | | 01-02 |
| 02 50 | 26.460 | 77.9 | 55.4 | 22 | 1 | | | | | | | | | | | | | | | 1 | | | | | 02-03 |
| 03 49 | 26.470 | 77.8 | 55.1 | 22 | 6 | 6 | Ci | 250 | | | | | | | | | | | | 0 | 2 | .030 | | | 03-04 |
| 04 44 | 26.480 | 77.3 | 55.0 | 22 | 8 | | | | | | | | | | | | | | | 2 | | | | | 04-05 |
| 05 43 | 26.490 | 75.2 | 55.2 | 27 | 10 | | | | | | | | | | | | | | | 3 | | | | | 05-06 |
| 06 47 | 26.510 | 82.7 | 58.4 | 22 | 5 | 5 | Ci | 250 | | | | | | | | | | | | 0 | 3 | .040 | | | 06-07 |
| 07 44 | 26.510 | 83.4 | 59.0 | 22 | 2 | | | | | | | | | | | | | | | 0 | | | | | 07-08 |
| 08 49 | 26.510 | 87.4 | 62.7 | 25 | 1 | | | | | | | | | | | | | | | 1 | | | | | 08-09 |
| 09 49 | 26.510 | 89.8 | 61.6 | 19 | 6 | 6 | Ci | 250 | | | | | | | | | | | | 2 | 4 | .000 | | | 09-10 |
| 10 48 | 26.520 | 90.8 | 60.8 | 16 | 8 | | | | | | | | | | | | | | | 5 | | | | | 10-11 |
| 11 47 | 26.510 | 95.0 | 61.6 | 13 | 7 | | | | | | | | | | | | | | | 3 | | | | | 11-12 |
| 12 50 | 26.490 | 95.6 | 61.6 | 12 | 6 | 6 | Ci | 250 | | | | | | | | | | | | 2 | 8 | .020 | | | 12-13 |
| 13 46 | 26.470 | 95.7 | 61.6 | 12 | 6 | | | | | | | | | | | | | | | 1 | | | | | 13-14 |
| 14 46 | 26.470 | 92.5 | 62.9 | 13 | 10 | | | | | | | | | | | | | | | 4 | | | | | 14-15 |
| 15 54 | 26.450 | 96.1 | 62.3 | 13 | 8 | 8 | Ci | 250 | | | | | | | | | | | | 5 | 7 | .040 | | | 15-16 |
| 16 48 | 26.430 | 97.0 | 61.9 | 12 | 5 | | | | | | | | | | | | | | | 2 | | | | | 16-17 |
| 17 49 | 26.430 | 95.4 | 61.0 | 12 | 4 | | | | | | | | | | | | | | | 1 | | | | | 17-18 |
| 18 51 | 26.440 | 92.0 | 60.1 | 13 | 4 | 4 | Ci | 250 | | | | | | | | | | | | 1 | 5 | .010 | | | 18-19 |
| 19 48 | 26.460 | 88.1 | 59.0 | 16 | 2 | | | | | | | | | | | | | | | 1 | | | | | 19-20 |
| 20 49 | 26.480 | 87.0 | 58.0 | 15 | 3 | | | | | | | | | | | | | | | 1 | | | | | 20-21 |
| 21 46 | 26.470 | 85.8 | 57.9 | 16 | 6 | 6 | Ci | 250 | | | | | | | | | | | | 1 | 0 | .030 | | | 21-22 |
| 22 49 | 26.460 | 83.2 | 57.0 | 18 | 4 | | | | | | | | | | | | | | | 1 | | | | | 22-23 |
| 23 48 | 26.470 | 76.7 | 55.1 | 25 | 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 | 86 | 77 | X | X | | | | | | X | | |
| | 0345 | 1 | 0 | 0 | 0 | 88 | 77 | | 0 | | | | | | | | |
| | 0945 | 2 | 0 | 0 | 0 | 91 | 74 | | 0 | | | | | | | | |
| | 1549 | 3 | 0 | 0 | 0 | 98 | 89 | | 0 | | | | | | | | |
| | 2141 | 4 | 0 | 0 | 0 | 98 | 85 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 86 | 77 | X | X | | | | | | X | | |

STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0947 | 1553 | 2145 | |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.470 | 26.510 | 26.450 | 26.470 |
| BAROGRAPH 64 | 26.460 | 26.500 | 26.445 | 26.470 |
| BAR. CORR. 65 | +.010 | +.010 | +.005 | ±0 |

SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

| 24-HR. MAX. TEMP. (°F) 66 | 24-HR. MIN. TEMP. (°F) 67 | 24-HR. PRECIP. WATER EQUIV. (Ins.) 68 | 24-HR. SNOWFALL UNMLTD (Ins.) 69 | SNOW DEPTH (Ins.) 70 | PEAK WIND SPEED (Kts.) 71 | PEAK WIND DIRECTION 72 | PEAK WIND TIME (L.S.T.) 73 | THICKNESS OF ICE ON WATER (Ins.) 74 | FROZEN GROUND LAYER (Ins.) TOP 75 | FROZEN GROUND LAYER (Ins.) BASE 76 | RIVER GAGE 77 | SKY COVER SUNRISE TO SUNSET 78 | SKY COVER MIDNIGHT TO MIDNIGHT 79 | WATER EQUIV. (Ins.) 80 | 81 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 98 | 74 | 0 | 0 | 0 | 26 | S | 1228 | | | | | 6 | 5 | | |

WEATHER & OBSTRUCTIONS TO VISION

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

90. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE SUNSET

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

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

TIME CHECK: 0745 PST 2 SEC, SLOW 2150P - OK

MF1-10A
(10-78)

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

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: 1981 JUN 8

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

| TYPE (1) | TIME (LST) (2) | SKY AND CEILING (Hundreds of Feet) (3) | VISIBILITY (Miles) SURFACE (4) | VISIBILITY (Miles) TOWER (4a) | WEATHER AND OBSTRUCTIONS TO VISION (5) | SEA LEVEL PRESS. (Mbs.) (6) | TEMP. (°F) (7) | DEW PT. (°F) (8) | WIND DIRECTION (00-36) (9) | WIND SPEED (Kts.) (10) | WIND CHARACTER (11) | ALTIMETER SETTING (Ins.) (12) | REMARKS AND SUPPLEMENTAL CODED DATA (13) | OBSERVER'S INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0049 | CLR | 20 | | | 070 | 77 | 35 | 07 | 07 | | 988 | 305 1001 | HS |
| SA | 0149 | CLR | 20 | | | 078 | 73 | 37 | 04 | 06 | | 990 | | HS |
| SA | 0247 | CLR | 20 | | | 077 | 74 | 34 | 01 | 03 | | 990 | | HS |
| SA | 0349 | 250 - SCT | 20 | | | 087 | 70 | 36 | 07 | 02 | | 992 | 312 100170 | JC |
| / | | | | | | | | | | | | | RADAT 20162 | / |
| SA | 0445 | 250 - SCT | 20 | | | 095 | 67 | 39 | 06 | 04 | | 994 | | JC |
| SA | 0548 | 250 - SCT | 20 | | | 096 | 73 | 40 | 29 | 02 | | 996 | | JC |
| SA | 0646 | 250 - SCT | 20 | | | 097 | 76 | 39 | 17 | 02 | | 996 | 110 1001 | JC |
| SA | 0747 | CLR | 20 | | | 095 | 83 | 39 | 19 | 05 | | 996 | | JC |
| SA | 0848 | CLR | 20 | | | 094 | 86 | 40 | 22 | 09 | | 996 | | JC |
| SA | 0949 | CLR | 20 | | | 090 | 87 | 40 | 21 | 07 | | 994 | 803 100166 | JC |
| SA | 1048 | CLR | 20 | | | 087 | 90 | 39 | 20 | 06 | | 993 | | JC |
| SA | 1147 | CLR | 20 | | | 085 | 93 | 38 | 22 | 07 | | 992 | | JC |
| SA | 1248 | CLR | 20 | | | 076 | 94 | 37 | 21 | 09 | | 990 | 814 | JC |
| SA | 1349 | CLR | 20 | | | 073 | 97 | 36 | 24 | 12 | | 989 | | JC |
| SA | 1445 | CLR | 20 | | | 065 | 99 | 37 | 22 | 10 | | 987 | | JC |
| SA | 1549 | CLR | 20 | | | 060 | 98 | 38 | 25 | 12 | | 984 | 717 01 RADAT 20162 | HS |
| SA | 1649 | CLR | 20 | | | 056 | 98 | 38 | 23 | 13 | | 983 | | HS |
| SA | 1748 | CLR | 20 | | | 055 | 96 | 37 | 22 | 10 | | 983 | | HS |
| SA | 1847 | CLR | 20 | | | 055 | 93 | 37 | 20 | 08 | | 983 | 603 | HS |
| SA | 1946 | CLR | 20 | | | 055 | 90 | 37 | 19 | 09 | | 984 | | HS |
| SA | 2047 | CLR | 20 | | | 055 | 89 | 39 | 20 | 16 | G21 | 984 | | HS |
| SA | 2151 | CLR | 20 | | | 050 | 91 | 40 | 18 | 12 | | 983 | 000 01 | HS |
| SA | 2249 | CLR | 20 | | | 047 | 88 | 40 | 23 | 14 | | 982 | | HS |
| SA | 2351 | CLR | 20 | | | 047 | 84 | 44 | 05 | 02 | | 982 | | |

A synoptic observation, in WMO code format FM11V, is entered on line following related aviation observation.

FM11V: Iliii Nddff VVwwW PPPTT $N_hC_LhC_MC_H$ $T_dT_{dapp}$ $6P_oP_oP_oP_o$ $7RRR_{ts}$ $8N_sCh$ $h_s$ $9SpSpspsp$ $2R_{24}R_{24}R_{24}R_{24}$ $3P_wP_wH_wH_w$ $d_wd_wP_wH_wH_w$ $4T_xT_xT_nT_n$

☆U.S.GPO:1980-0-665-115/1108

MF1-10B
(2-79)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION WSMO, DESERT ROCK, NV

DATE 1981 JUN 8

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

| TIME (L.S.T.) 16 | STATION PRESSURE (Ins.) 17 | DRY BULB (°F) 18 | WET BULB (°F) 19 | REL. HUMIDITY (%) 20 | TOTAL SKY COVER 21 | LOWEST LAYER AMT. 22 | LOWEST LAYER TYPE 23 | LOWEST LAYER HEIGHT 24 | SECOND LAYER AMT. 25 | SECOND LAYER TYPE 26 | SECOND LAYER HEIGHT 27 | SUMMATION TOTAL 28 | THIRD LAYER AMT. 29 | THIRD LAYER TYPE 30 | THIRD LAYER HEIGHT 31 | SUMMATION TOTAL 32 | FOURTH LAYER AMT. 33 | FOURTH LAYER TYPE 34 | FOURTH LAYER HEIGHT 35 | TOTAL OPAQUE SKY COVER 36 | PRESSURE TENDENCY 37 | NET 3-HR. CHANGE (Ins.) 38 | SUNSHINE (Min.) 39 | PRECIPITATION (Ins.) 40 | HR. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00 49 | 26.485 | 77.0 | 54.6 | 22 | 0 | 0 | Ci | 250 | | | | | | | | | | | | 0 | 3 | .015 | | | 00-01 |
| 01 49 | 26.500 | 73.2 | 53.6 | 26 | 0 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 47 | 26.500 | 74.0 | 53.2 | 23 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 49 | 26.520 | 70.0 | 52.0 | 28 | 3 | 3 | Ci | 250 | | | | | | | | | | | | 0 | 3 | .035 | | | 03-04 |
| 04 45 | 26.540 | 66.9 | 51.8 | 35 | 3 | | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 05 48 | 26.550 | 73.1 | 54.9 | 31 | 1 | | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 06 46 | 26.550 | 76.4 | 55.8 | 26 | 1 | 1 | Ci | 250 | | | | | | | | | | | | 0 | 1 | .030 | | | 06-07 |
| 07 47 | 26.550 | 82.9 | 58.0 | 21 | 0 | | | | | | | | | | | | | | | 0 | | | | | 07-08 |
| 08 48 | 26.550 | 85.9 | 59.4 | 20 | 0 | | | | | | | | | | | | | | | 0 | | | | | 08-09 |
| 09 49 | 26.540 | 82.3 | 59.9 | 19 | 0 | 0 | Ci | 250 | | | | | | | | | | | | 0 | 8 | .010 | | | 09-10 |
| 10 48 | 26.530 | 90.2 | 60.7 | 17 | 0 | | | | | | | | | | | | | | | 0 | | | | | 10-11 |
| 11 47 | 26.520 | 93.3 | 61.3 | 14 | 0 | | | | | | | | | | | | | | | 0 | | | | | 11-12 |
| 12 48 | 26.500 | 93.7 | 61.4 | 14 | 0 | | | | | | | | | | | | | | | 0 | 8 | .040 | | | 12-13 |
| 13 49 | 26.490 | 97.0 | 62.2 | 12 | 0 | | | | | | | | | | | | | | | 0 | | | | | 13-14 |
| 14 45 | 26.470 | 99.2 | 63.0 | 12 | 0 | | | | | | | | | | | | | | | 0 | | | | | 14-15 |
| 15 49 | 26.450 | 98.2 | 63.0 | 12 | 0 | | | | | | | | | | | | | | | 0 | 7 | .050 | | | 15-16 |
| 16 49 | 26.440 | 98.0 | 63.0 | 13 | 0 | | | | | | | | | | | | | | | 0 | | | | | 16-17 |
| 17 48 | 26.440 | 96.1 | 62.2 | 13 | 0 | | | | | | | | | | | | | | | 0 | | | | | 17-18 |
| 18 47 | 26.440 | 92.8 | 60.9 | 14 | 0 | | | | | | | | | | | | | | | 0 | 6 | .010 | | | 18-19 |
| 19 46 | 26.445 | 90.4 | 60.1 | 15 | 0 | | | | | | | | | | | | | | | 0 | | | | | 19-20 |
| 20 47 | 26.450 | 89.2 | 60.3 | 17 | 0 | | | | | | | | | | | | | | | 0 | | | | | 20-21 |
| 21 51 | 26.440 | 90.7 | 61.1 | 17 | 0 | | | | | | | | | | | | | | | 0 | 0 | .000 | | | 21-22 |
| 22 49 | 26.430 | 88.0 | 60.1 | 18 | 0 | | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 23 51 | 26.430 | 83.7 | 60.0 | 24 | 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 | 77 | 70 | X | X | | | | | | X | | |
| | 0345 | 1 | 0 | 0 | 0 | 86 | 70 | | 0 | | | | | | | | |
| | 0945 | 2 | 0 | 0 | 0 | 88 | 66 | | 0 | | | | | | | | |
| | 1544 | 3 | 0 | 0 | 0 | 101 | 87 | | 0 | | | | | | | | |
| | 2146 | 4 | 0 | 0 | 0 | 99 | 89 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 91 | 84 | X | X | | | | | | X | | |

STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0347 | 0947 | 1548 | 2150 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.520 | 26.540 | 26.450 | 26.440 |
| BAROGRAPH 64 | 26.520 | 26.540 | 26.450 | 26.445 |
| BAR. CORR. 65 | ±0 | ±0 | ±0 | -.005 |

SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

| 24-HR. MAX. TEMP. (°F) 66 | 24-HR. MIN. TEMP. (°F) 67 | 24-HR. PRECIP. WATER EQUIV. (Ins.) 68 | 24-HR. SNOWFALL UNML'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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 101 | 66 | 0 | 0 | 0 | 25 | S | 2120 | | | | | 0 | 0 | | |

WEATHER & OBSTRUCTIONS TO VISION

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

90. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE SUNSET

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

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

TIME CHECK: 3 SEC-5 LOW 0912P 2150P-OK

MF1-10A (10-78)

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

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: 1981 JUN 9

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

| TYPE (1) | TIME (LST) (2) | SKY AND CEILING (Hundreds of Feet) (3) | VISIBILITY (Miles) SURFACE (4) | VISIBILITY (Miles) TOWER (4a) | WEATHER AND OBSTRUCTIONS TO VISION (5) | SEA LEVEL PRESS. (Mbs.) (6) | TEMP. (°F) (7) | DEW PT. (°F) (8) | WIND DIRECTION (00-36) (9) | WIND SPEED (Kts.) (10) | WIND CHARACTER (11) | ALTIMETER SETTING (Ins.) (12) | REMARKS AND SUPPLEMENTAL CODED DATA (13) | OB. SERVER'S INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0049 | CLR | 20 | | | 052 | 80 | 43 | 03 | 05 | | 983 | 500 | HS |
| SA | 0149 | CLR | 20 | | | 055 | 78 | 41 | 32 | 07 | | 984 | | HS |
| SA | 0245 | CLR | 20 | | | 060 | 77 | 42 | 36 | 06 | | 986 | | HS |
| SA | 0349 | CLR | 20 | | | 064 | 75 | 43 | 03 | 08 | | 987 | 210 74 RADAT 20158 | JC |
| SA | 0450 | CLR | 20 | | | 071 | 69 | 43 | 04 | 06 | | 988 | | JC |
| SA | 0545 | CLR | 20 | | | 074 | 73 | 44 | 17 | 03 | | 989 | | JC |
| SA | 0650 | CLR | 20 | | | 076 | 79 | 53 | 24 | 04 | | 989 | 102 | JC |
| SA | 0746 | CLR | 20 | | | 069 | 82 | 48 | 26 | 05 | | 988 | | JC |
| SA | 0847 | CLR | 20 | | | 064 | 85 | 45 | 23 | 08 | | 987 | | JC |
| SA | 0949 | CLR | 20 | | | 058 | 87 | 45 | 24 | 10 | | 986 | 710 1001 69 | JC |
| SA | 1048 | CLR | 20 | | | 053 | 91 | 45 | 27 | 09 | | 984 | | JC |
| SA | 1149 | CLR | 20 | | | 048 | 92 | 43 | 24 | 12 | | 982 | | JC |
| SA | 1248 | CLR | 20 | | | 040 | 95 | 42 | 27 | 12 | 620 | 980 | 817 1001 | JC |
| SA | 1349 | CLR | 20 | | | 033 | 97 | 43 | 27 | 13 | 619 | 978 | | JC |
| SA | 1446 | CLR | 20 | | | 028 | 99 | 43 | 28 | 12 | 619 | 977 | | JC |
| SA | 1548 | CLR | 20 | | | 022 | 98 | 41 | 28 | 13 | | 974 | 717 00 RADAT 36154 | HS |
| SA | 1649 | CLR | 20 | | | 018 | 98 | 40 | 23 | 09 | | 972 | | HS |
| SA | 1747 | CLR | 20 | | | 016 | 97 | 39 | 22 | 15 | | 972 | | HS |
| SA | 1849 | CLR | 20 | | | 016 | 93 | 37 | 23 | 09 | | 972 | 607 | HS |
| SA | 1950 | CLR | 20 | | | 020 | 89 | 38 | 23 | 07 | | 973 | | HS |
| SA | 2048 | CLR | 20 | | | 024 | 86 | 41 | 09 | 03 | | 974 | | HS |
| SA | 2148 | CLR | 20 | | | 024 | 84 | 42 | 21 | 04 | | 974 | 107 00 | HS |
| SA | 2248 | CLR | 20 | | | 021 | 83 | 41 | 08 | 04 | | 974 | | HS |
| SA | 2349 | CLR | 20 | | | 020 | 83 | 42 | 05 | 05 | | 974 | | HS |

A synoptic observation, in WMO code format FM11V, is entered on line following related aviation observation.

FM11V: Iliii Nddff VVwwW PPPTT $N_hC_LhC_MC_H$ $T_dT_dapp$ $6P_oP_oP_oP_o$ $7RRR_{rs}$ $8N_sCh\ h_s$ $9S_pS_pS_pS_p$ $2R_{24}R_{24}R_{24}R_{24}$ $3P_wP_wH_wH_w$ $d_wd_wP_wH_wH_w$ $4T_xT_xT_nT_n$

☆U.S.GPO:1980-0-665-115/1108

MF1-10B
(2-79)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: 1981 JUN 9

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

| TIME (L.S.T.) 16 | STATION PRESSURE (Ins.) 17 | DRY BULB (°F) 18 | WET BULB (°F) 19 | REL. HUMIDITY (%) 20 | TOTAL SKY COVER 21 | LOWEST LAYER AMT. 22 | LOWEST LAYER TYPE 23 | LOWEST LAYER HEIGHT 24 | SECOND LAYER AMT. 25 | SECOND LAYER TYPE 26 | SECOND LAYER HEIGHT 27 | SUMMATION TOTAL 28 | THIRD LAYER AMT. 29 | THIRD LAYER TYPE 30 | THIRD LAYER HEIGHT 31 | SUMMATION TOTAL 32 | FOURTH LAYER AMT. 33 | FOURTH LAYER TYPE 34 | FOURTH LAYER HEIGHT 35 | TOTAL OPAQUE SKY COVER 36 | PRESSURE TENDENCY 37 | NET 3-HR. CHANGE (Ins.) 38 | SUNSHINE (Min.) 39 | PRECIPITATION (Ins.) 40 | HR. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00 49 | 26.440 | 74.6 | 58.3 | 27 | 0 | | | | | | | | | | | | | | | 0 | 5 | .000 | | | 00-01 |
| 01 49 | 26.450 | 78.4 | 57.3 | 27 | 0 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 45 | 26.460 | 76.8 | 57.1 | 29 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 49 | 26.470 | 75.3 | 56.9 | 32 | 0 | | | | | | | | | | | | | | | 0 | 2 | .030 | | | 03-04 |
| 04 50 | 26.480 | 69.4 | 54.7 | 39 | 0 | | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 05 45 | 26.490 | 72.9 | 56.2 | 35 | 0 | | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 06 50 | 26.490 | 78.9 | 62.4 | 41 | 0 | | | | | | | | | | | | | | | 0 | 1 | .020 | | | 06-07 |
| 07 46 | 26.480 | 81.8 | 61.2 | 31 | 0 | | | | | | | | | | | | | | | 0 | | | | | 07-08 |
| 08 47 | 26.470 | 84.7 | 60.8 | 25 | 0 | | | | | | | | | | | | | | | 0 | | | | | 08-09 |
| 09 49 | 26.460 | 87.4 | 62.0 | 23 | 0 | 0 | Ci | 250 | | | | | | | | | | | | 0 | 7 | .030 | | | 09-10 |
| 10 48 | 26.450 | 90.8 | 62.8 | 20 | 0 | | | | | | | | | | | | | | | 0 | | | | | 10-11 |
| 11 49 | 26.430 | 91.9 | 62.6 | 18 | 0 | | | | | | | | | | | | | | | 0 | | | | | 11-12 |
| 12 48 | 26.410 | 95.1 | 63.4 | 16 | 0 | 0 | Ci | 250 | | | | | | | | | | | | 0 | 8 | .050 | | | 12-13 |
| 13 49 | 26.390 | 96.6 | 64.0 | 16 | 0 | | | | | | | | | | | | | | | 0 | | | | | 13-14 |
| 14 46 | 26.380 | 98.8 | 64.8 | 15 | 0 | | | | | | | | | | | | | | | 0 | | | | | 14-15 |
| 15 48 | 26.360 | 98.2 | 63.9 | 14 | 0 | | | | | | | | | | | | | | | 0 | 7 | .050 | | | 15-16 |
| 16 49 | 26.340 | 98.4 | 63.9 | 14 | 0 | | | | | | | | | | | | | | | 0 | | | | | 16-17 |
| 17 47 | 26.340 | 96.8 | 63.0 | 14 | 0 | | | | | | | | | | | | | | | 0 | | | | | 17-18 |
| 18 49 | 26.340 | 93.1 | 61.1 | 14 | 0 | | | | | | | | | | | | | | | 0 | 6 | .020 | | | 18-19 |
| 19 50 | 26.350 | 89.2 | 60.2 | 17 | 0 | | | | | | | | | | | | | | | 0 | | | | | 19-20 |
| 20 48 | 26.360 | 86.1 | 60.0 | 21 | 0 | | | | | | | | | | | | | | | 0 | | | | | 20-21 |
| 21 48 | 26.360 | 84.4 | 59.5 | 22 | 0 | | | | | | | | | | | | | | | 0 | 1 | .020 | | | 21-22 |
| 22 48 | 26.360 | 83.4 | 59.1 | 23 | 0 | | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 23 49 | 26.360 | 82.6 | 59.1 | 24 | 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 | 84 | 74 | X | X | | | | | | X | | |
| | 0345 | 1 | 0 | 0 | 0 | 91 | 74 | | 0 | | | | | | | | |
| | 0945 | 2 | 0 | 0 | 0 | 88 | 69 | | 0 | | | | | | | | |
| | 1543 | 3 | 0 | 0 | 0 | 100 | 87 | | 0 | | | | | | | | |
| | 2143 | 4 | 0 | 0 | 0 | 99 | 84 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 85 | 83 | X | X | | | | | | X | | |

STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0347 | 0947 | 1547 | 2147 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.470 | 26.460 | 26.360 | 26.360 |
| BAROGRAPH 64 | 26.470 | 26.460 | 26.370 | 26.360 |
| 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 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 100 | 69 | 0 | 0 | 0 | 20 | W | 1945 | | | | | 0 | 0 | | |

WEATHER & OBSTRUCTIONS TO VISION

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

90. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE SUNSET

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

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

TIME CHECK: 1232 P 2 SEC SLOW 2150 P-OK

MF1-10A (10-78)

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

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: 1981 JUN 10

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

| TYPE (1) | TIME (LST) (2) | SKY AND CEILING (Hundreds of Feet) (3) | VISIBILITY (Miles) SURFACE (4) | VISIBILITY (Miles) TOWER (4a) | WEATHER AND OBSTRUCTIONS TO VISION (5) | SEA LEVEL PRESS. (Mbs.) (6) | TEMP. (°F) (7) | DEW PT. (°F) (8) | WIND DIRECTION (00-36) (9) | WIND SPEED (Kts.) (10) | WIND CHARACTER (11) | ALTIMETER SETTING (Ins.) (12) | REMARKS AND SUPPLEMENTAL CODED DATA (13) | OBSERVER'S INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0048 | CLR | 20 | | | 028 | 77 | 42 | 04 | 03 | | 976 | 303 | HS |
| SA | 0148 | CLR | 20 | | | 028 | 75 | 41 | 30 | 09 | | 976 | | HS |
| SA | 0249 | CLR | 20 | | | 034 | 75 | 41 | 35 | 08 | | 978 | | HS |
| SA | 0349 | CLR | 20 | | | 038 | 72 | 41 | 36 | 04 | | 979 | 310 71 RADAT 23158 | JC |
| SA | 0446 | CLR | 20 | | | 046 | 71 | 42 | 03 | 06 | | 981 | | JC |
| SA | 0548 | CLR | 20 | | | 054 | 75 | 44 | 35 | 03 | | 983 | | JC |
| SA | 0644 | CLR | 20 | | | 054 | 79 | 42 | 30 | 04 | | 983 | 114 1001 | JC |
| SA | 0745 | CLR | 20 | | | 058 | 81 | 43 | 20 | 05 | | 984 | | JC |
| SA | 0848 | CLR | 20 | | | 058 | 83 | 44 | 22 | 08 | | 984 | | JC |
| SA | 0949 | CLR | 20 | | | 054 | 86 | 45 | 20 | 09 | | 983 | 000 1001 70 | JC |
| SA | 1050 | CLR | 20 | | | 049 | 90 | 43 | 24 | 10 | | 981 | | JC |
| SA | 1145 | CLR | 20 | | | 043 | 92 | 43 | 23 | 17 | G22 | 981 | | JC |
| SA | 1243 | CLR | 20 | | | 034 | 96 | 44 | 23 | 18 | G24 | 978 | 817 1001 | JC |
| SA | 1345 | CLR | 20 | | | 027 | 96 | 43 | 23 | 19 | G29 | 976 | | JC |
| SA | 1446 | CLR | 20 | | | 024 | 96 | 45 | 19 | 16 | G24 | 974 | | JC |
| SA | 1547 | CLR | 20 | | | 015 | 97 | 44 | 24 | 16 | | 972 | 819 1101 98 RADAT 20153 | HS |
| SA | 1648 | CLR | 20 | | | 011 | 95 | 44 | 22 | 13 | | 970 | | HS |
| SA | 1748 | CLR | 20 | | | 010 | 94 | 43 | 22 | 14 | | 970 | | HS |
| SA | 1850 | CLR | 20 | | | 009 | 91 | 39 | 19 | 10 | | 970 | 605 | HS |
| SA | 1946 | CLR | 20 | | | 009 | 89 | 37 | 19 | 11 | | 970 | | HS |
| SA | 2050 | CLR | 20 | | | 012 | 89 | 34 | 22 | 07 | | 971 | | HS |
| SA | 2153 | CLR | 20 | | | 014 | 88 | 32 | 25 | 14 | G22 | 972 | 307 98 | HS |
| SA | 2247 | CLR | 20 | | | 013 | 86 | 25 | 23 | 10 | | 972 | | HS |
| SA | 2349 | CLR | 20 | | | 011 | 82 | 22 | 23 | 06 | | 971 | | HS |

A synoptic observation, in WMO code format FM11V, is entered on line following related aviation observation.

FM11V: Iliii Nddff VVwwW PPPTT $N_hC_LhC_MC_H$ $T_dT_dapp$ $6P_oP_oP_aP_o$ $7RRR_{tz}$ $8N_sCh\ h_s$ $9SpSpspsp$ $2R_{24}R_{24}R_{24}R_{24}$ $3P_wP_wH_wH_w$ $d_wd_wP_wH_wH_w$ $4T_xT_xT_nT_n$

☆U.S.GPO:1980-0-665-115/1108

MF1-10B
(2-79)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: 1981 JUN 10

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

| TIME (L.S.T.) 16 | STATION PRESSURE (Ins.) 17 | DRY BULB (°F) 18 | WET BULB (°F) 19 | REL. HUMIDITY (%) 20 | TOTAL SKY COVER 21 | LOWEST LAYER AMT. 22 | LOWEST LAYER TYPE 23 | LOWEST LAYER HEIGHT 24 | SECOND LAYER AMT. 25 | SECOND LAYER TYPE 26 | SECOND LAYER HEIGHT 27 | SUMMATION TOTAL 28 | THIRD LAYER AMT. 29 | THIRD LAYER TYPE 30 | THIRD LAYER HEIGHT 31 | SUMMATION TOTAL 32 | FOURTH LAYER AMT. 33 | FOURTH LAYER TYPE 34 | FOURTH LAYER HEIGHT 35 | TOTAL OPAQUE SKY COVER 36 | PRESSURE TENDENCY 37 | NET 3-HR. CHANGE (Ins.) 38 | SUNSHINE (Min.) 39 | PRECIPITATION (Ins.) 40 | HR. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00 48 | 26.370 | 77.0 | 56.8 | 28 | 0 | | | | | | | | | | | | | | | 0 | 3 | .010 | | | 00-01 |
| 01 48 | 26.370 | 74.6 | 55.7 | 30 | 0 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 49 | 26.390 | 75.0 | 55.8 | 29 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 49 | 26.400 | 71.9 | 54.8 | 33 | 0 | | | | | | | | | | | | | | | 0 | 3 | .030 | | | 03-04 |
| 04 46 | 26.420 | 70.8 | 54.8 | 36 | 0 | | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 05 48 | 26.440 | 75.2 | 57.2 | 33 | 0 | | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 06 44 | 26.440 | 79.0 | 57.8 | 27 | 0 | 0 | Ci | 250 | | | | | | | | | | | | 0 | 1 | .040 | | | 06-07 |
| 07 45 | 26.450 | 81.4 | 58.8 | 25 | 0 | | | | | | | | | | | | | | | 0 | | | | | 07-08 |
| 08 48 | 26.450 | 83.4 | 59.9 | 25 | 0 | | | | | | | | | | | | | | | 0 | | | | | 08-09 |
| 09 49 | 26.440 | 86.0 | 61.2 | 24 | 0 | 0 | Ci | 250 | | | | | | | | | | | | 0 | 0 | .000 | | | 09-10 |
| 10 50 | 26.420 | 89.7 | 61.9 | 20 | 0 | | | | | | | | | | | | | | | 0 | | | | | 10-11 |
| 11 45 | 26.420 | 92.3 | 62.8 | 18 | 0 | | | | | | | | | | | | | | | 0 | | | | | 11-12 |
| 12 43 | 26.390 | 95.6 | 64.2 | 17 | 0 | 0 | Ci | 250 | | | | | | | | | | | | 0 | 8 | .050 | | | 12-13 |
| 13 45 | 26.370 | 95.8 | 64.0 | 17 | 0 | | | | | | | | | | | | | | | 0 | | | | | 13-14 |
| 14 46 | 26.360 | 96.4 | 64.8 | 17 | 0 | | | | | | | | | | | | | | | 0 | | | | | 14-15 |
| 15 47 | 26.335 | 96.7 | 64.6 | 17 | 0 | 0 | Cu | 80 | 0 | Ci | 250 | 0 | | | | | | | | 0 | 8 | .055 | | | 15-16 |
| 16 48 | 26.320 | 95.3 | 64.0 | 17 | 0 | | | | | | | | | | | | | | | 0 | | | | | 16-17 |
| 17 48 | 26.320 | 94.1 | 63.2 | 17 | 0 | | | | | | | | | | | | | | | 0 | | | | | 17-18 |
| 18 50 | 26.320 | 90.8 | 60.9 | 16 | 0 | | | | | | | | | | | | | | | 0 | 6 | .015 | | | 18-19 |
| 19 46 | 26.320 | 89.2 | 59.6 | 16 | 0 | | | | | | | | | | | | | | | 0 | | | | | 19-20 |
| 20 50 | 26.330 | 88.5 | 58.7 | 15 | 0 | | | | | | | | | | | | | | | 0 | | | | | 20-21 |
| 21 53 | 26.340 | 87.9 | 57.9 | 14 | 0 | | | | | | | | | | | | | | | 0 | 3 | .020 | | | 21-22 |
| 22 47 | 26.340 | 85.8 | 55.4 | 11 | 0 | | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 23 49 | 26.330 | 81.6 | 53.1 | 11 | 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 | 83 | 71 | X | X | | | | | | X | | |
| | 0345 | 1 | 0 | 0 | 0 | 85 | 71 | | 0 | | | | | | | | |
| | 0945 | 2 | 0 | 0 | 0 | 87 | 70 | | 0 | | | | | | | | |
| | 1542 | 3 | 0 | 0 | 0 | 98 | 86 | | 0 | | | | | | | | |
| | 2148 | 4 | 0 | 0 | 0 | 97 | 88 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 88 | 82 | X | X | | | | | | X | | |

STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0347 | 0947 | 1546 | 2152 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.400 | 26.440 | 26.335 | 26.340 |
| BAROGRAPH 64 | 26.400 | 26.440 | 26.340 | 26.335 |
| BAR. CORR. 65 | ±0 | ±0 | +.005 | +.005 |

SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

| 24-HR. MAX. TEMP. (°F) 66 | 24-HR. MIN. TEMP. (°F) 67 | 24-HR. PRECIP. WATER EQUIV. (Ins.) 68 | 24-HR. SNOWFALL UNMLTD (Ins.) 69 | SNOW DEPTH (Ins.) 70 | PEAK WIND SPEED (Kts.) 71 | PEAK WIND DIRECTION 72 | PEAK WIND TIME (L.S.T.) 73 | THICKNESS OF ICE ON WATER (Ins.) 74 | FROZEN GROUND LAYER (Ins.) TOP 75 | FROZEN GROUND LAYER (Ins.) BASE 76 | RIVER GAGE 77 | SKY COVER SUNRISE TO SUNSET 78 | SKY COVER MIDNIGHT TO MIDNIGHT 79 | WATER EQUIV. (Ins.) 80 | 81 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 98 | 70 | 0 | 0 | 0 | 29 | SW | 1337 | | | | | 0 | 0 | | |

WEATHER & OBSTRUCTIONS TO VISION

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

90. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE SUNSET

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

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

TIME CHECK: 1132 P 2 SEC SLOW 2150 P-OK

MF1-10A
(10-78)

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

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: 1981 JUN 11

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

| TYPE (1) | TIME (LST) (2) | SKY AND CEILING (Hundreds of Feet) (3) | VISIBILITY (Miles) SURFACE (4) | VISIBILITY (Miles) TOWER (4a) | WEATHER AND OBSTRUCTIONS TO VISION (5) | SEA LEVEL PRESS. (Mbs.) (6) | TEMP. (°F) (7) | DEW PT. (°F) (8) | WIND DIRECTION (00-36) (9) | WIND SPEED (Kts.) (10) | WIND CHARACTER (11) | ALTIMETER SETTING (Ins.) (12) | REMARKS AND SUPPLEMENTAL CODED DATA (13) | OBSERVER'S INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0049 | CLR | 20 | | | 006 | 79 | 22 | 15 | 04 | | 970 | 807 | HS |
| SA | 0848 | CLR | 20 | | | 014 | 79 | 21 | 04 | 05 | | 972 | | HS |
| SA | 0249 | CLR | 20 | | | 026 | 77 | 25 | 04 | 04 | | 976 | | HS |
| SA | 0348 | CLR | 20 | | | 029 | 75 | 29 | 28 | 06 | | 976 | 219 75 RADAT 20151 | JK |
| SA | 0449 | CLR | 20 | | | 035 | 70 | 29 | 36 | 03 | | 977 | | JK |
| SA | 0550 | CLR | 20 | | | 044 | 73 | 33 | 36 | 02 | | 980 | | JK |
| SA | 0647 | CLR | 20 | | | 048 | 77 | 34 | 24 | 04 | | 981 | 215 | JK |
| SA | 0750 | CLR | 20 | | | 052 | 79 | 34 | 20 | 04 | | 982 | | JK |
| SA | 0848 | CLR | 20 | | | 052 | 81 | 36 | 23 | 07 | | 982 | | JK |
| SA | 0949 | CLR | 20 | | | 051 | 84 | 38 | 24 | 14 | | 982 | 103 70 | JK |
| SA | 1047 | CLR | 20 | | | 042 | 88 | 39 | 24 | 18 | | 980 | | JK |
| SA | 1150 | CLR | 20 | | | 035 | 90 | 41 | 24 | 21 | | 978 | | JK |
| SA | 1248 | CLR | 20 | | | 032 | 93 | 38 | 20 | 14 | G24 | 976 | 817 | JK |
| SA | 1346 | CLR | 20 | | | 024 | 94 | 40 | 21 | 15 | G34 | 975 | | JK |
| SA | 1449 | CLR | 20 | | | 022 | 94 | 37 | 21 | 19 | | 974 | | JK |
| SA | 1546 | CLR | 20 | | | 013 | 94 | 35 | 21 | 19 | G29 | 971 | 717 94 RADAT 20155 | CG |
| SA | 1651 | CLR | 20 | | | 012 | 94 | 34 | 21 | 15 | G24 | 970 | | CG |
| SA | 1745 | CLR | 20 | | | 007 | 92 | 34 | 21 | 16 | G25 | 969 | | CG |
| SA | 1847 | CLR | 20 | | | 007 | 88 | 32 | 23 | 20 | G32 | 969 | 607 | CG |
| SA | 1945 | CLR | 20 | | | 995 | 86 | 33 | 21 | 20 | G32 | 965 | | CG |
| SA | 2047 | CLR | 20 | | | 014 | 84 | 30 | 18 | 15 | | 971 | | CG |
| SA | 2146 | CLR | 20 | | | 014 | 83 | 27 | 18 | 14 | | 971 | 107 94 | CG |
| SA | 2245 | CLR | 20 | | | 018 | 80 | 32 | 20 | 17 | | 972 | | CG |
| SA | 2347 | CLR | 20 | | | 014 | 78 | 34 | 23 | 17 | | 971 | | CG |

A synoptic observation, in WMO code format FM11V, is entered on line following related aviation observation.

FM11V: Iliii Nddff VVwwW PPPTT $N_hC_LhC_MC_H$ $T_dT_{dapp}$ $6P_oP_oP_oP_o$ $7RRR_{ts}$ $8N_sCh$ $h_s$ $9S_pS_pS_pS_p$ $2R_{24}R_{24}R_{24}R_{24}$ $3P_wP_wH_wH_w$ $d_wd_wP_wH_wH_w$ $4T_xT_xT_nT_n$

☆U.S.GPO:1980-0-665-115/1108

MF1-10B
(2-79)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: 1981 JUN 11

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

| TIME (L.S.T.) 16 | STATION PRESSURE (Ins.) 17 | DRY BULB (°F) 18 | WET BULB (°F) 19 | REL. HUMIDITY (%) 20 | TOTAL SKY COVER 21 | 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 | 49 | 26.320 | 79.2 | 52.0 | 12 | 0 | | | | | | | | | | | | | | 0 | 8 | .020 | | | | 00-01 |
| 01 | 48 | 26.340 | 79.3 | 52.0 | 12 | 0 | | | | | | | | | | | | | | 0 | | | | | | 01-02 |
| 02 | 49 | 26.370 | 77.0 | 51.9 | 15 | 0 | | | | | | | | | | | | | | 0 | | | | | | 02-03 |
| 03 | 48 | 26.375 | 75.0 | 52.0 | 18 | 0 | | | | | | | | | | | | | | 0 | 2 | .055 | | | | 03-04 |
| 04 | 49 | 26.385 | 70.2 | 50.1 | 22 | 0 | | | | | | | | | | | | | | 0 | | | | | | 04-05 |
| 05 | 50 | 26.410 | 73.3 | 52.6 | 23 | 0 | | | | | | | | | | | | | | 0 | | | | | | 05-06 |
| 06 | 47 | 26.420 | 76.6 | 54.2 | 21 | 0 | | | | | | | | | | | | | | 0 | 2 | .045 | | | | 06-07 |
| 07 | 50 | 26.430 | 79.0 | 55.2 | 20 | 0 | | | | | | | | | | | | | | 0 | | | | | | 07-08 |
| 08 | 48 | 26.430 | 80.9 | 56.3 | 20 | 0 | | | | | | | | | | | | | | 0 | | | | | | 08-09 |
| 09 | 49 | 26.430 | 84.2 | 58.1 | 19 | 0 | | | | | | | | | | | | | | 0 | 1 | .010 | | | | 09-10 |
| 10 | 47 | 26.410 | 87.6 | 59.8 | 18 | 0 | | | | | | | | | | | | | | 0 | | | | | | 10-11 |
| 11 | 50 | 26.390 | 90.2 | 61.2 | 18 | 0 | | | | | | | | | | | | | | 0 | | | | | | 11-12 |
| 12 | 48 | 26.380 | 92.5 | 61.1 | 15 | 0 | | | | | | | | | | | | | | 0 | 8 | .050 | | | | 12-13 |
| 13 | 46 | 26.365 | 94.2 | 62.2 | 15 | 0 | | | | | | | | | | | | | | 0 | | | | | | 13-14 |
| 14 | 49 | 26.355 | 93.8 | 61.3 | 14 | 0 | | | | | | | | | | | | | | 0 | | | | | | 14-15 |
| 15 | 46 | 26.330 | 94.1 | 60.9 | 13 | 0 | | | | | | | | | | | | | | 0 | 7 | .050 | | | | 15-16 |
| 16 | 51 | 26.320 | 93.7 | 60.3 | 12 | 0 | | | | | | | | | | | | | | 0 | | | | | | 16-17 |
| 17 | 48 | 26.310 | 92.4 | 60.0 | 13 | 0 | | | | | | | | | | | | | | 0 | | | | | | 17-18 |
| 18 | 47 | 26.310 | 88.4 | 58.1 | 14 | 0 | | | | | | | | | | | | | | 0 | 6 | .020 | | | | 18-19 |
| 19 | 45 | 26.280 | 85.9 | 57.4 | 15 | 0 | | | | | | | | | | | | | | 0 | | | | | | 19-20 |
| 20 | 47 | 26.330 | 84.4 | 56.1 | 14 | 0 | | | | | | | | | | | | | | 0 | | | | | | 20-21 |
| 21 | 46 | 26.330 | 83.3 | 54.9 | 13 | 0 | | | | | | | | | | | | | | 0 | 1 | .020 | | | | 21-22 |
| 22 | 45 | 26.340 | 79.9 | 54.7 | 17 | 0 | | | | | | | | | | | | | | 0 | | | | | | 22-23 |
| 23 | 47 | 26.330 | 77.8 | 54.6 | 21 | 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 | 82 | 75 | X | X | | | | | | X | | |
| | 0345 | 1 | 0 | 0 | 0 | 88 | 75 | X | 0 | | | | | | | | |
| | 0946 | 2 | 0 | 0 | 0 | 84 | 70 | | 0 | | | | | | | | |
| | 1543 | 3 | 0 | 0 | 0 | 94 | 84 | | 0 | | | | | | | | |
| | 2144 | 4 | 0 | 0 | 0 | 94 | 83 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 83 | 78 | X | X | | | | | | X | | |

STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0346 | 0947 | 1545 | 2145 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.375 | 26.430 | 26.330 | 26.330 |
| BAROGRAPH 64 | 26.375 | 26.430 | 26.330 | 26.330 |
| 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 94 | 70 | 0 | 0 | 0 | 34 | SW | 1337 | | | | | 0 | 0 | | |

WEATHER & OBSTRUCTIONS TO VISION

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

90. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE SUNSET

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

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

TIME CHECK: 0700P 2 SEC SLOW 2120PST 2 SEC SLOW

MF1-10A (10-78)

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

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: 1981 JUN 12

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

| TYPE (1) | TIME (LST) (2) | SKY AND CEILING (Hundreds of Feet) (3) | VISIBILITY (Miles) SURFACE (4) | VISIBILITY (Miles) TOWER (4a) | WEATHER AND OBSTRUCTIONS TO VISION (5) | SEA LEVEL PRESS. (Mbs.) (6) | TEMP. (°F) (7) | DEW PT. (°F) (8) | WIND DIRECTION (00-36) (9) | WIND SPEED (Kts.) (10) | WIND CHARACTER (11) | ALTIMETER SETTING (Ins.) (12) | REMARKS AND SUPPLEMENTAL CODED DATA (13) | OBSERVER'S INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0053 | CLR | 20 | | | 012 | 78 | 34 | 23 | 21 | G33 | 971 | 000 | CG |
| SA | 0157 | CLR | 20 | | | 012 | 78 | 34 | 23 | 20 | | 971 | | CG |
| SA | 0248 | CLR | 20 | | | 016 | 75 | 35 | 28 | 06 | | 972 | | CG |
| SA | 0347 | CLR | 20 | | | 017 | 73 | 36 | 23 | 20 | | 972 | 103 72 RADAT 24152 | JK |
| SA | 0448 | CLR | 20 | | | 026 | 73 | 36 | 24 | 16 | | 974 | AC SE | JK |
| SA | 0550 | CLR | 20 | | | 031 | 72 | 40 | 24 | 20 | | 975 | | JK |
| SA | 0652 | CLR | 20 | | | 039 | 74 | 40 | 23 | 20 | | 978 | 3 17 | JK |
| SA | 0749 | CLR | 20 | | | 050 | 76 | 40 | 23 | 20 | | 981 | | JK |
| SA | 0846 | CLR | 20 | | | 055 | 78 | 43 | 24 | 18 | | 982 | | JK |
| SA | 0948 | CLR | 20 | | | 050 | 80 | 42 | 23 | 16 | | 981 | 010 71 | JK |
| SA | 1053 | CLR | 20 | | | 050 | 83 | 41 | 23 | 11 | G21 | 981 | | JK |
| SA | 1145 | CLR | 20 | | | 047 | 84 | 40 | 24 | 14 | G27 | 980 | | JK |
| SA | 1248 | CLR | 20 | | | 038 | 87 | 36 | 23 | 10 | G24 | 978 | 810 | JK |
| SA | 1347 | CLR | 20 | | | 028 | 88 | 37 | 23 | 17 | | 975 | | JK |
| SA | 1454 | CLR | 20 | | | 020 | 89 | 35 | 23 | 14 | G32 | 972 | | JK |
| SA | 1548 | CLR | 20 | | | 017 | 88 | 36 | 20 | 14 | G24 | 971 | 720 89 RADAT 20148 | CG |
| SA | 1650 | CLR | 20 | | | 014 | 88 | 34 | 18 | 13 | G23 | 970 | | CG |
| SA | 1745 | CLR | 20 | | | 010 | 87 | 31 | 21 | 14 | | 969 | | CG |
| SA | 1847 | CLR | 20 | | | 011 | 83 | 27 | 21 | 17 | G27 | 969 | 607 1100 | CG |
| SA | 1947 | CLR | 20 | | | 016 | 80 | 24 | 23 | 12 | | 970 | | CG |
| SA | 2045 | CLR | 20 | | | 023 | 78 | 23 | 25 | 10 | | 972 | | CG |
| SA | 2145 | CLR | 20 | | | 054 | 75 | 16 | 30 | 13 | | 981 | PRESRR / 337 89 | CG |
| SA | 2245 | CLR | 20 | | | 062 | 72 | 12 | 05 | 16 | | 983 | | CG |
| SA | 2347 | CLR | 20 | | | 066 | 69 | 11 | 05 | 08 | | 984 | | CG |

A synoptic observation, in WMO code format FM11V, is entered on line following related aviation observation.

FM11V: Iiii Nddff VVwwW PPPTT $N_hC_LhC_MC_H$ $T_dT_{dapp}$ $6P_oP_oP_oP_o$ $7RRR_{ts}$ $8N_sCh\ h_s$ $9SpSpspsp$ $2R_{24}R_{24}R_{24}R_{24}$ $3P_wP_wH_wH_w$ $d_wd_wP_wH_wH_w$ $4T_xT_xT_nT_n$

☆U.S. GPO:1980-0-665-115/1108

MF1-10B
(2-79)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: 1981 JUN 12

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

| TIME (L.S.T.) 16 | STATION PRESSURE (Ins.) 17 | DRY BULB (°F) 18 | WET BULB (°F) 19 | REL. HUMIDITY (%) 20 | TOTAL SKY COVER 21 | CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT. 22 | LOWEST LAYER TYPE 23 | LOWEST LAYER HEIGHT 24 | SECOND LAYER AMT. 25 | SECOND LAYER TYPE 26 | SECOND LAYER HEIGHT 27 | SUMMATION TOTAL 28 | THIRD LAYER AMT. 29 | THIRD LAYER TYPE 30 | THIRD LAYER HEIGHT 31 | SUMMATION TOTAL 32 | FOURTH LAYER AMT. 33 | FOURTH LAYER TYPE 34 | FOURTH LAYER HEIGHT 35 | TOTAL OPAQUE SKY COVER 36 | PRESSURE TENDENCY 37 | NET 3-HR. CHANGE (Ins.) 38 | SUNSHINE (Min.) 39 | PRECIPITATION (Ins.) 40 | HR. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0053 | 26.330 | 78.2 | 54.7 | 20 | 0 | | | | | | | | | | | | | | | 0 | 0 | .000 | | | 00-01 |
| 0157 | 26.330 | 78.0 | 54.7 | 20 | 0 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 0248 | 26.340 | 74.9 | 53.6 | 23 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 0347 | 26.340 | 72.5 | 53.0 | 27 | 0 | | | | | | | | | | | | | | | 0 | 1 | .010 | | | 03-04 |
| 0448 | 26.360 | 72.5 | 53.0 | 27 | 0 | | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 0550 | 26.370 | 71.8 | 54.1 | 31 | 0 | | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 0652 | 26.390 | 74.1 | 55.1 | 29 | 0 | | | | | | | | | | | | | | | 0 | 3 | .050 | | | 06-07 |
| 0749 | 26.420 | 76.0 | 56.0 | 28 | 0 | | | | | | | | | | | | | | | 0 | | | | | 07-08 |
| 0846 | 26.430 | 77.9 | 57.9 | 29 | 0 | | | | | | | | | | | | | | | 0 | | | | | 08-09 |
| 0948 | 26.420 | 80.2 | 58.2 | 26 | 0 | | | | | | | | | | | | | | | 0 | 0 | .030 | | | 09-10 |
| 1053 | 26.420 | 82.9 | 58.8 | 23 | 0 | | | | | | | | | | | | | | | 0 | | | | | 10-11 |
| 1145 | 26.410 | 84.3 | 59.1 | 21 | 0 | | | | | | | | | | | | | | | 0 | | | | | 11-12 |
| 1248 | 26.390 | 86.6 | 58.5 | 17 | 0 | | | | | | | | | | | | | | | 0 | 8 | .030 | | | 12-13 |
| 1347 | 26.365 | 88.2 | 59.4 | 17 | 0 | | | | | | | | | | | | | | | 0 | | | | | 13-14 |
| 1454 | 26.340 | 88.9 | 59.1 | 15 | 0 | | | | | | | | | | | | | | | 0 | | | | | 14-15 |
| 1548 | 26.330 | 87.7 | 59.0 | 16 | 0 | | | | | | | | | | | | | | | 0 | 7 | .060 | | | 15-16 |
| 1650 | 26.320 | 87.9 | 58.4 | 15 | 0 | | | | | | | | | | | | | | | 0 | | | | | 16-17 |
| 1745 | 26.310 | 86.7 | 57.1 | 14 | 0 | | | | | | | | | | | | | | | 0 | | | | | 17-18 |
| 1847 | 26.310 | 82.8 | 54.6 | 13 | 0 | 0 | Cu | 50 | | | | | | | | | | | | 0 | 6 | .020 | | | 18-19 |
| 1947 | 26.320 | 80.2 | 52.9 | 12 | 0 | | | | | | | | | | | | | | | 0 | | | | | 19-20 |
| 2045 | 26.340 | 78.1 | 51.9 | 13 | 0 | | | | | | | | | | | | | | | 0 | | | | | 20-21 |
| 2145 | 26.420 | 74.8 | 49.1 | 11 | 0 | | | | | | | | | | | | | | | 0 | 3 | .110 | | | 21-22 |
| 2245 | 26.440 | 71.7 | 47.1 | 10 | 0 | | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 2347 | 26.450 | 68.9 | 45.7 | 11 | 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 0344 | X | 0 | 0 | X | 78 | 72 | X | X | | | | | | X | | |
| | 0344 | 1 | 0 | 0 | 0 | 83 | 72 | | 0 | | | | | | | | |
| | 0945 | 2 | 0 | 0 | 0 | 80 | 71 | | 0 | | | | | | | | |
| | 1545 | 3 | 0 | 0 | 0 | 89 | 80 | | 0 | | | | | | | | |
| | 2143 | 4 | 0 | 0 | 0 | 88 | 75 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 75 | 69 | X | X | | | | | | X | | |

### STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0346 | 0946 | 1547 | 2144 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.340 | 26.420 | 26.330 | 26.420 |
| BAROGRAPH 64 | 26.340 | 26.415 | 26.330 | 26.420 |
| BAR. CORR. 65 | ±.0 | +.005 | 0 | 0 |

## SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

| 24-HR. MAX. TEMP. (°F) 66 | 24-HR. MIN. TEMP. (°F) 67 | 24-HR. PRECIP. WATER EQUIV. (Ins.) 68 | 24-HR. SNOWFALL UNMLTD (Ins.) 69 | SNOW DEPTH (Ins.) 70 | PEAK WIND SPEED (Kts.) 71 | PEAK WIND DIRECTION 72 | PEAK WIND TIME (L.S.T.) 73 | THICKNESS OF ICE ON WATER (Ins.) 74 | FROZEN GROUND LAYER (Ins.) TOP 75 | FROZEN GROUND LAYER (Ins.) BASE 76 | RIVER GAGE 77 | SKY COVER SUNRISE TO SUNSET 78 | SKY COVER MIDNIGHT TO MIDNIGHT 79 | WATER EQUIV. (Ins.) 80 | 81 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 89 | 69 | 0 | 0 | 0 | 33 | SW | 0043 | | | | | 0 | 0 | | |

## WEATHER & OBSTRUCTIONS TO VISION

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

## 90. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE SUNSET

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

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

TIME CHECK: 0710 25 seconds SLOW 1910 2 SEC. SLOW

MF1-10A (10-78)

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

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: 1981 JUN 13

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

| TYPE (1) | TIME (LST) (2) | SKY AND CEILING (Hundreds of Feet) (3) | VISIBILITY (Miles) SURFACE (4) | VISIBILITY (Miles) TOWER (4a) | WEATHER AND OBSTRUCTIONS TO VISION (5) | SEA LEVEL PRESS. (Mbs.) (6) | TEMP. (°F) (7) | DEW PT. (°F) (8) | WIND DIRECTION (00-36) (9) | WIND SPEED (Kts.) (10) | WIND CHARACTER (11) | ALTIMETER SETTING (Ins.) (12) | REMARKS AND SUPPLEMENTAL CODED DATA (13) | OB. SERVER'S INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0050 | CLR | 20 | | | 068 | 68 | 11 | 05 | 09 | | 985 | 114 | CG |
| SA | 0150 | CLR | 20 | | | 073 | 66 | 8 | 03 | 16 | | 986 | | CG |
| SA | 0245 | CLR | 20 | | | 074 | 64 | 12 | 04 | 19 | | 986 | | CG |
| SA | 0346 | CLR | 20 | | | 084 | 62 | 20 | 05 | 18 | | 988 | 310 62 RADAT 20136 | JK |
| SA | 0450 | CLR | 20 | | | 092 | 60 | 23 | 05 | 10 | G20 | 991 | | JK |
| SA | 0546 | CLR | 20 | | | 099 | 62 | 24 | 05 | 17 | | 993 | | JK |
| SA | 0655 | CLR | 20 | | | 107 | 64 | 24 | 05 | 21 | | 995 | 220 | JK |
| SA | 0745 | CLR | 20 | | | 109 | 67 | 23 | 05 | 18 | | 996 | | JK |
| SA | 0845 | CLR | 20 | | | 109 | 68 | 21 | 05 | 10 | | 996 | | JK |
| SA | 0947 | CLR | 20 | | | 109 | 71 | 19 | 06 | 10 | | 996 | 102 60 | JK |
| SA | 1045 | CLR | 20 | | | 108 | 73 | 20 | 05 | 12 | | 995 | | JK |
| SA | 1146 | CLR | 20 | | | 104 | 77 | 20 | 26 | 03 | | 994 | | JK |
| SA | 1248 | CLR | 20 | | | 090 | 79 | 18 | 22 | 07 | | 991 | 817 | JK |
| SA | 1349 | CLR | 20 | | | 086 | 79 | 23 | 30 | 04 | G15 | 988 | | JK |
| SA | 1450 | CLR | 20 | | | 086 | 82 | 22 | 28 | 08 | | 987 | | JK |
| SA | 1548 | CLR | 20 | | | 071 | 81 | 16 | 20 | 11 | | 984 | 719 83 RADAT 20129 | CG |
| SA | 1653 | CLR | 20 | | | 074 | 81 | 15 | 21 | 13 | | 984 | | CG |
| SA | 1747 | CLR | 20 | | | 072 | 80 | 13 | 24 | 07 | | 984 | | CG |
| SA | 1845 | CLR | 20 | | | 068 | 78 | 15 | 25 | 06 | | 983 | 803 | CG |
| SA | 1945 | CLR | 20 | | | 066 | 72 | 20 | 29 | 06 | | 982 | | CG |
| SA | 1947 | CLR | 20 | | | 075 | 68 | 23 | 07 | 03 | | 984 | | CG |
| SA | 2147 | CLR | 20 | | | 075 | 64 | 24 | 05 | 02 | | 984 | 103 83 | CG |
| SA | 2252 | CLR | 20 | | | 076 | 68 | 20 | 04 | 14 | | 985 | | CG |
| SA | 2347 | CLR | 20 | | | 078 | 66 | 16 | 03 | 20 | G31 | 986 | | CG |

A synoptic observation, in WMO code format FM11V, is entered on line following related aviation observation.

FM11V: IIiii NddH VVwwW PPPTT $N_hC_LhC_MC_H$ $T_dT_dapp$ $6P_oP_oP_oP_o$ $7RRR_{ts}$ $8N_sCh\ h_s$ $9S_pS_pS_pS_p$ $2R_{24}R_{24}R_{24}R_{24}$ $3P_wP_wH_wH_w$ $d_wd_wP_wH_wH_w$ $4T_xT_xT_nT_n$

☆U.S. GPO:1980-0-665-115/1108

MF1-10B
(2-79)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: 1981 JUN 13

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

| TIME (L.S.T.) 16 | STATION PRESSURE (Ins.) 17 | DRY BULB (°F) 18 | WET BULB (°F) 19 | REL. HUMIDITY (%) 20 | TOTAL SKY COVER 21 | 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. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0050 | 26.460 | 67.9 | 45.2 | 11 | 0 | | | | | | | | | | | | | | | 0 | 1 | .040 | | | | 00-01 |
| 0150 | 26.470 | 66.3 | 44.0 | 10 | 0 | | | | | | | | | | | | | | | 0 | | | | | | 01-02 |
| 0245 | 26.470 | 63.8 | 43.4 | 13 | 0 | | | | | | | | | | | | | | | 0 | | | | | | 02-03 |
| 0346 | 26.490 | 62.0 | 44.0 | 19 | 0 | | | | | | | | | | | | | | | 0 | 3 | .030 | | | | 03-04 |
| 0450 | 26.510 | 60.1 | 43.8 | 23 | 0 | | | | | | | | | | | | | | | 0 | | | | | | 04-05 |
| 0546 | 26.530 | 61.5 | 44.7 | 23 | 0 | | | | | | | | | | | | | | | 0 | | | | | | 05-06 |
| 0655 | 26.550 | 64.0 | 45.8 | 21 | 0 | | | | | | | | | | | | | | | 0 | 2 | .060 | | | | 06-07 |
| 0745 | 26.555 | 66.9 | 47.0 | 19 | 0 | | | | | | | | | | | | | | | 0 | | | | | | 07-08 |
| 0845 | 26.555 | 68.0 | 47.0 | 16 | 0 | | | | | | | | | | | | | | | 0 | | | | | | 08-09 |
| 0947 | 26.555 | 70.8 | 48.0 | 14 | 0 | | | | | | | | | | | | | | | 0 | 1 | .005 | | | | 09-10 |
| 1045 | 26.550 | 73.2 | 49.1 | 13 | 0 | | | | | | | | | | | | | | | 0 | | | | | | 10-11 |
| 1146 | 26.540 | 76.7 | 50.7 | 12 | 0 | | | | | | | | | | | | | | | 0 | | | | | | 11-12 |
| 1248 | 26.505 | 78.8 | 51.2 | 10 | 0 | | | | | | | | | | | | | | | 0 | 8 | .050 | | | | 12-13 |
| 1349 | 26.490 | 79.1 | 52.2 | 12 | 0 | | | | | | | | | | | | | | | 0 | | | | | | 13-14 |
| 1450 | 26.475 | 82.1 | 53.3 | 11 | 0 | | | | | | | | | | | | | | | 0 | | | | | | 14-15 |
| 1548 | 26.450 | 80.9 | 51.7 | 9 | 0 | | | | | | | | | | | | | | | 0 | 7 | .035 | | | | 15-16 |
| 1653 | 26.450 | 80.7 | 51.5 | 8 | 0 | | | | | | | | | | | | | | | 0 | | | | | | 16-17 |
| 1747 | 26.450 | 80.3 | 51.0 | 8 | 0 | | | | | | | | | | | | | | | 0 | | | | | | 17-18 |
| 1845 | 26.440 | 77.6 | 50.2 | 9 | 0 | | | | | | | | | | | | | | | 0 | 8 | .010 | | | | 18-19 |
| 1945 | 26.430 | 71.9 | 48.6 | 14 | 0 | | | | | | | | | | | | | | | 0 | | | | | | 19-20 |
| 2047 | 26.450 | 67.8 | 47.4 | 18 | 0 | | | | | | | | | | | | | | | 0 | | | | | | 20-21 |
| 2147 | 26.450 | 63.7 | 45.8 | 22 | 0 | | | | | | | | | | | | | | | 0 | 1 | .010 | | | | 21-22 |
| 2252 | 26.460 | 68.2 | 47.0 | 16 | 0 | | | | | | | | | | | | | | | 0 | | | | | | 22-23 |
| 2347 | 26.470 | 65.9 | 45.1 | 15 | 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 | 69 | 62 | X | X | | | | | | X | | |
| | 0343 | 1 | 0 | 0 | 0 | 75 | 62 | | 0 | | | | | | | | |
| | 0944 | 2 | 0 | 0 | 0 | 71 | 60 | | 0 | | | | | | | | |
| | 1545 | 3 | 0 | 0 | 0 | 83 | 71 | | 0 | | | | | | | | |
| | 2144 | 4 | 0 | 0 | 0 | 82 | 64 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 68 | 64 | X | X | | | | | | X | | |

STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0344 | 0945 | 1546 | 2146 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.490 | 26.555 | 26.450 | 26.450 |
| BAROGRAPH 64 | 26.495 | 26.555 | 26.450 | 26.450 |
| 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 83 | 60 | 0 | 0 | 0 | 31 | NE | 2339 | | | | | 0 | 0 | | |

WEATHER & OBSTRUCTIONS TO VISION

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

90. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE SUNSET

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

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

TIME CHECK: 0715P 2 SEC SLOW 2010P 2 SEC. SLOW

BAROGRAPH CHANGED RESET TO zero COR.

MF1-10A (10-78)

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

STATION: WSMO, DESERT ROCK, NV

# SURFACE WEATHER OBSERVATIONS

DATE: 1981 JUN 14

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

| TYPE (1) | TIME (LST) (2) | SKY AND CEILING (Hundreds of Feet) (3) | VISIBILITY (Miles) SURFACE (4) | VISIBILITY (Miles) TOWER (4a) | WEATHER AND OBSTRUCTIONS TO VISION (5) | SEA LEVEL PRESS. (Mbs.) (6) | TEMP. (°F) (7) | DEW PT. (°F) (8) | WIND DIRECTION (00-36) (9) | WIND SPEED (Kts.) (10) | WIND CHARACTER (11) | ALTIMETER SETTING (Ins.) (12) | REMARKS AND SUPPLEMENTAL CODED DATA (13) | OBSERVERS INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0047 | CLR | 20 | | | 088 | 62 | 18 | 04 | 22 | 634 | 988 | 314 | CG |
| SA | 0146 | CLR | 20 | | | 101 | 60 | 21 | 03 | 20 | 630 | 992 | | CG |
| SA | 0249 | CLR | 20 | | | 112 | 58 | 23 | 03 | 19 | 630 | 995 | | CG |
| SA | 0353 | CLR | 20 | | | 123 | 57 | 21 | 04 | 17 | 625 | 998 | 230 57 RADAT 31123 | MN |
| SA | 0449 | CLR | 20 | | | 140 | 56 | 22 | 05 | 17 | 624 | 003 | | MN |
| SA | 0551 | CLR | 20 | | | 148 | 58 | 22 | 06 | 10 | | 006 | | MN |
| SA | 0647 | CLR | 20 | | | 158 | 60 | 23 | 05 | 16 | 624 | 008 | 230 | MN |
| SA | 0752 | CLR | 20 | | | 167 | 62 | 21 | 03 | 20 | 630 | 011 | | MN |
| SA | 0849 | CLR | 20 | | | 173 | 65 | 23 | 04 | 18 | 627 | 012 | | MN |
| SA | 0946 | CLR | 20 | | | 173 | 66 | 18 | 03 | 18 | 626 | 012 | 110 56 | MN |
| SA | 1052 | CLR | 20 | | | 170 | 69 | 18 | 03 | 14 | 625 | 012 | | MN |
| SA | 1145 | CLR | 20 | | | 162 | 70 | 12 | 02 | 15 | 623 | 010 | | MN |
| SA | 1252 | CLR | 20 | | | 156 | 72 | 14 | 03 | 14 | 623 | 007 | 814 | MN |
| SA | 1353 | CLR | 20 | | | 155 | 74 | 10 | 02 | 13 | 622 | 007 | | MN |
| SA | 1450 | CLR | 20 | | | 153 | 75 | 15 | 02 | 13 | 621 | 006 | | MN |
| SA | 1552 | CLR | 20 | | | 153 | 75 | 13 | 05 | 10 | | 006 | 803 77 RADAT 23105 | EP |
| SA | 1649 | CLR | 20 | | | 154 | 75 | 15 | 02 | 15 | 620 | 006 | | EP |
| SA | 1749 | CLR | 20 | | | 156 | 75 | 10 | 02 | 14 | 622 | 008 | | EP |
| SA | 1852 | CLR | 20 | | | 166 | 72 | 8 | 02 | 13 | | 011 | 312 | EP |
| SA | 1948 | CLR | 20 | | | 174 | 71 | 12 | 03 | 12 | | 013 | | EP |
| SA | 2050 | CLR | 20 | | | 185 | 66 | 13 | 07 | 09 | | 015 | | EP |
| SA | 2151 | CLR | 20 | | | 186 | 64 | 14 | 04 | 09 | | 016 | 117 77 | EP |
| SA | 2246 | CLR | 20 | | | 187 | 64 | 13 | 03 | 10 | | 016 | | EP |
| SA | 2349 | CLR | 20 | | | 187 | 63 | 12 | 04 | 11 | | 016 | | EP |

A synoptic observation, in WMO code format FM11V, is entered on line following related aviation observation.

FM11V: Iliii Nddff VVwwW PPPTT $N_hC_LhC_MC_H$ $T_dT_{dapp}$ $6P_oP_oP_oP_o$ $7RRR_{ts}$ $8N_sCh\ h_s$ $9SpSpspsp$ $2R_{24}R_{24}R_{24}R_{24}$ $3P_wP_wH_wH_w$ $d_wd_wP_wH_wH_w$ $4T_xT_xT_nT_n$

MF1-10B
(2-79)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: 1981 JUN 14

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

| TIME (L.S.T.) 16 | STATION PRESSURE (Ins.) 17 | DRY BULB (°F) 18 | WET BULB (°F) 19 | REL. HUMIDITY (%) 20 | TOTAL SKY COVER 21 | CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT. 22 | LOWEST LAYER TYPE 23 | LOWEST LAYER HEIGHT 24 | SECOND LAYER AMT. 25 | SECOND LAYER TYPE 26 | SECOND LAYER HEIGHT 27 | SUMMATION TOTAL 28 | THIRD LAYER AMT. 29 | THIRD LAYER TYPE 30 | THIRD LAYER HEIGHT 31 | SUMMATION TOTAL 32 | FOURTH LAYER AMT. 33 | FOURTH LAYER TYPE 34 | FOURTH LAYER HEIGHT 35 | TOTAL OPAQUE SKY COVER 36 | PRESSURE TENDENCY 37 | NET 3-HR. CHANGE (Ins.) 38 | SUNSHINE (Min.) 39 | PRECIPITATION (Ins.) 40 | HR. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00 | 47 | 26.490 | 62.3 | 43.9 | 18 | 0 | | | | | | | | | | | | | | 0 | 3 | .040 | | | | 00-01 |
| 01 | 46 | 26.520 | 59.9 | 43.4 | 22 | 0 | | | | | | | | | | | | | | 0 | | | | | | 01-02 |
| 02 | 49 | 26.550 | 58.2 | 42.9 | 25 | 0 | | | | | | | | | | | | | | 0 | | | | | | 02-03 |
| 03 | 53 | 26.580 | 57.2 | 42.2 | 24 | 0 | | | | | | | | | | | | | | 0 | 2 | .090 | | | | 03-04 |
| 04 | 49 | 26.620 | 56.3 | 41.8 | 26 | 0 | | | | | | | | | | | | | | 0 | | | | | | 04-05 |
| 05 | 51 | 26.645 | 57.7 | 42.5 | 25 | 0 | | | | | | | | | | | | | | 0 | | | | | | 05-06 |
| 06 | 47 | 26.670 | 60.3 | 44.0 | 24 | 0 | | | | | | | | | | | | | | 0 | 2 | .090 | | | | 06-07 |
| 07 | 52 | 26.690 | 62.0 | 44.3 | 20 | 0 | | | | | | | | | | | | | | 0 | | | | | | 07-08 |
| 08 | 49 | 26.700 | 64.9 | 46.0 | 20 | 0 | | | | | | | | | | | | | | 0 | | | | | | 08-09 |
| 09 | 46 | 26.700 | 66.3 | 45.6 | 15 | 0 | | | | | | | | | | | | | | 0 | 1 | .030 | | | | 09-10 |
| 10 | 52 | 26.700 | 68.6 | 46.8 | 14 | 0 | | | | | | | | | | | | | | 0 | | | | | | 10-11 |
| 11 | 45 | 26.680 | 70.4 | 46.4 | 10 | 0 | | | | | | | | | | | | | | 0 | | | | | | 11-12 |
| 12 | 52 | 26.660 | 72.0 | 47.5 | 11 | 0 | | | | | | | | | | | | | | 0 | 8 | .040 | | | | 12-13 |
| 13 | 53 | 26.653 | 74.4 | 48.0 | 8 | 0 | | | | | | | | | | | | | | 0 | | | | | | 13-14 |
| 14 | 50 | 26.650 | 75.0 | 49.0 | 10 | 0 | | | | | | | | | | | | | | 0 | | | | | | 14-15 |
| 15 | 52 | 26.650 | 74.7 | 48.6 | 9 | 0 | | | | | | | | | | | | | | 0 | 8 | .010 | | | | 15-16 |
| 16 | 49 | 26.650 | 75.0 | 49.0 | 10 | 0 | | | | | | | | | | | | | | 0 | | | | | | 16-17 |
| 17 | 49 | 26.660 | 74.5 | 48.0 | 8 | 0 | | | | | | | | | | | | | | 0 | | | | | | 17-18 |
| 18 | 52 | 26.685 | 72.1 | 46.6 | 8 | 0 | | | | | | | | | | | | | | 0 | 3 | .035 | | | | 18-19 |
| 19 | 48 | 26.705 | 70.7 | 46.6 | 10 | 0 | | | | | | | | | | | | | | 0 | | | | | | 19-20 |
| 20 | 50 | 26.730 | 66.3 | 44.8 | 13 | 0 | | | | | | | | | | | | | | 0 | | | | | | 20-21 |
| 21 | 51 | 26.735 | 64.4 | 44.0 | 14 | 0 | | | | | | | | | | | | | | 0 | 1 | .050 | | | | 21-22 |
| 22 | 46 | 26.740 | 63.8 | 43.5 | 13 | 0 | | | | | | | | | | | | | | 0 | | | | | | 22-23 |
| 23 | 49 | 26.740 | 62.6 | 42.9 | 14 | 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 0349 | X | 0 | 0 | X | 66 | 57 | X | X | | | | | | X | | |
| | 0349 | 1 | 0 | 0 | 0 | 68 | 57 | | 0 | | | | | | | | |
| | 0943 | 2 | 0 | 0 | 0 | 66 | 56 | | 0 | | | | | | | | |
| | 1545 | 3 | 0 | 0 | 0 | 77 | 66 | | 0 | | | | | | | | |
| | 2145 | 4 | 0 | 0 | 0 | 77 | 64 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 65 | 62 | X | X | | | | | | X | | |

STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0353 | 0946 | 1546 | 2146 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.580 | 26.700 | 26.650 | 26.735 |
| BAROGRAPH 64 | 26.580 | 26.700 | 26.655 | 26.735 |
| BAR. CORR. 65 | 0 | 0 | -.005 | 0 |

SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

| 24-HR. MAX. TEMP. (°F) 66 | 24-HR. MIN. TEMP. (°F) 67 | 24-HR. PRECIP. WATER EQUIV. (Ins.) 68 | 24-HR. SNOWFALL 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 77 | 56 | 0 | 0 | 0 | 34 | NE | 0044 | | | | | 0 | 0 | | |

WEATHER & OBSTRUCTIONS TO VISION

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

90. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE SUNSET

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

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

TIME CHECK: CLOCK 2 SEC SLOW 0650P CLOCK 1SEC SLOW 2230P

MF1-10A (10-78)

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

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: 1981 JUN 15

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

| TYPE (1) | TIME (LST) (2) | SKY AND CEILING (Hundreds of Feet) (3) | VISIBILITY (Miles) SURFACE (4) | VISIBILITY (Miles) TOWER (4a) | WEATHER AND OBSTRUCTIONS TO VISION (5) | SEA LEVEL PRESS. (Mbs.) (6) | TEMP. (°F) (7) | DEW PT. (°F) (8) | WIND DIRECTION (100-36) (9) | WIND SPEED (Kts.) (10) | WIND CHARACTER (11) | ALTIMETER SETTING (Ins.) (12) | REMARKS AND SUPPLEMENTAL CODED DATA (13) | OB. SERVER'S INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0051 | CLR | 20 | | | 191 | 61 | 14 | 03 | 12 | | 017 | 305 | EP |
| SA | 0148 | CLR | 20 | | | 197 | 61 | 12 | 03 | 12 | | 020 | | EP |
| SA | 0252 | CLR | 20 | | | 202 | 59 | 14 | 05 | 13 | | 021 | | HH |
| SA | 0350 | CLR | 20 | | | 207 | 58 | 15 | 03 | 15 | | 022 | 114 58 RADAT 30L109127 | HH |
| SA | 0450 | CLR | 20 | | | 210 | 58 | 17 | 02 | 14 | | 023 | | HH |
| SA | 0551 | CLR | 20 | | | 215 | 60 | 18 | 03 | 11 | | 025 | | HH |
| SA | 0653 | CLR | 20 | | | 219 | 66 | 23 | 04 | 13 | | 026 | 214 | HH |
| SA | 0752 | CLR | 20 | | | 222 | 69 | 21 | 08 | 10 | | 027 | | HH |
| SA | 0847 | CLR | 20 | | | 223 | 71 | 22 | 07 | 13 | G20 | 027 | | HH |
| SA | 0948 | CLR | 20 | | | 219 | 74 | 23 | 07 | 10 | | 026 | 000 57 | HH |
| SA | 1051 | CLR | 20 | | | 215 | 76 | 21 | 08 | 09 | | 025 | | HH |
| SA | 1149 | CLR | 20 | | | 207 | 77 | 21 | 05 | 10 | | 023 | | HH |
| SA | 1249 | CLR | 20 | | | 207 | 80 | 21 | 06 | 13 | | 023 | 610 | HH |
| SA | 1348 | CLR | 20 | | | 197 | 84 | 23 | 05 | 13 | | 021 | | HH |
| SA | 1450 | CLR | 20 | | | 186 | 84 | 22 | 05 | 13 | | 017 | | HH |
| SA | 1548 | CLR | 20 | | | 182 | 83 | 21 | 15 | 07 | | 016 | 622 86 RADAT 20150 | EP |
| SA | 1646 | CLR | 20 | | | 179 | 84 | 21 | 09 | 09 | | 015 | | EP |
| SA | 1751 | CLR | 20 | | | 172 | 83 | 19 | 15 | 10 | | 014 | | EP |
| SA | 1848 | CLR | 20 | | | 170 | 81 | 18 | 11 | 12 | | 014 | 607 | EP |
| SA | 1946 | CLR | 20 | | | 174 | 79 | 16 | 08 | 10 | | 015 | | EP |
| SA | 2047 | CLR | 20 | | | 183 | 76 | 15 | 05 | 03 | | 017 | | EP |
| SA | 2148 | CLR | 20 | | | 186 | 72 | 17 | 35 | 05 | | 018 | 114 86 | EP |
| SA | 2248 | CLR | 20 | | | 190 | 67 | 16 | 11 | 03 | | 018 | | EP |
| SA | 2346 | CLR | 20 | | | 190 | 63 | 19 | 00 | 00 | | 018 | | EP |

A synoptic observation, in WMO code format FM11V, is entered on line following related aviation observation.

FM11V: Iliii Nddff VVwwW PPPTT $N_hC_LhC_MC_H$ $T_dT_dopp$ $6P_oP_oP_oP_o$ $7RRR_rs$ $8N_sCh\ h_s$ $9SpSpspsp$ $2R_{24}R_{24}R_{24}R_{24}$ $3P_wP_wH_wH_w$ $d_wd_wP_wH_wH_w$ $4T_xT_xT_nT_n$

☆ U.S.GPO:1978-665-010/1109 Region No. 6

MF1-10B
(2-79)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: 1981 JUN 15

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

| TIME (L.S.T.) 16 | STATION PRESSURE (Ins.) 17 | DRY BULB (°F) 18 | WET BULB (°F) 19 | REL. HUMIDITY (%) 20 | TOTAL SKY COVER 21 | CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT. 22 | LOWEST LAYER TYPE 23 | LOWEST LAYER HEIGHT 24 | SECOND LAYER AMT. 25 | SECOND LAYER TYPE 26 | SECOND LAYER HEIGHT 27 | SUMMATION TOTAL 28 | THIRD LAYER AMT. 29 | THIRD LAYER TYPE 30 | THIRD LAYER HEIGHT 31 | SUMMATION TOTAL 32 | FOURTH LAYER AMT. 33 | FOURTH LAYER TYPE 34 | FOURTH LAYER HEIGHT 35 | TOTAL OPAQUE SKY COVER 36 | PRESSURE TENDENCY 37 | NET 3-HR. CHANGE (Ins.) 38 | SUNSHINE (Min.) 39 | PRECIPITATION (Ins.) 40 | HR. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00 51 | 26.750 | 61.2 | 42.5 | 16 | 0 | | | | | | | | | | | | | | | 0 | 3 | -.015 | | | 00-01 |
| 01 48 | 26.770 | 60.7 | 41.9 | 14 | 0 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 52 | 26.780 | 58.8 | 41.3 | 17 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 50 | 26.790 | 58.0 | 41.0 | 18 | 0 | | | | | | | | | | | | | | | 0 | 1 | .040 | | | 03-04 |
| 04 50 | 26.800 | 57.5 | 41.3 | 20 | 0 | | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 05 51 | 26.815 | 60.3 | 42.8 | 19 | 0 | | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 06 53 | 26.830 | 66.2 | 46.6 | 19 | 0 | | | | | | | | | | | | | | | 0 | 2 | .040 | | | 06-07 |
| 07 52 | 26.840 | 69.3 | 47.7 | 16 | 0 | | | | | | | | | | | | | | | 0 | | | | | 07-08 |
| 08 47 | 26.840 | 70.6 | 48.5 | 16 | 0 | | | | | | | | | | | | | | | 0 | | | | | 08-09 |
| 09 48 | 26.830 | 73.9 | 50.0 | 14 | 0 | | | | | | | | | | | | | | | 0 | 0 | .000 | | | 09-10 |
| 10 51 | 26.820 | 75.8 | 50.5 | 13 | 0 | | | | | | | | | | | | | | | 0 | | | | | 10-11 |
| 11 49 | 26.800 | 76.8 | 50.8 | 12 | 0 | | | | | | | | | | | | | | | 0 | | | | | 11-12 |
| 12 49 | 26.800 | 80.0 | 52.3 | 11 | 0 | | | | | | | | | | | | | | | 0 | 6 | .030 | | | 12-13 |
| 13 48 | 26.780 | 83.7 | 54.0 | 10 | 0 | | | | | | | | | | | | | | | 0 | | | | | 13-14 |
| 14 50 | 26.750 | 84.1 | 54.0 | 10 | 0 | | | | | | | | | | | | | | | 0 | | | | | 14-15 |
| 15 48 | 26.735 | 83.3 | 53.6 | 10 | 0 | | | | | | | | | | | | | | | 0 | 6 | .065 | | | 15-16 |
| 16 46 | 26.725 | 84.1 | 53.8 | 10 | 0 | | | | | | | | | | | | | | | 0 | | | | | 16-17 |
| 17 51 | 26.715 | 83.1 | 53.0 | 9 | 0 | | | | | | | | | | | | | | | 0 | | | | | 17-18 |
| 18 48 | 26.715 | 81.2 | 52.1 | 9 | 0 | | | | | | | | | | | | | | | 0 | 6 | .020 | | | 18-19 |
| 19 46 | 26.725 | 78.8 | 50.8 | 9 | 0 | | | | | | | | | | | | | | | 0 | | | | | 19-20 |
| 20 47 | 26.745 | 75.5 | 49.3 | 10 | 0 | | | | | | | | | | | | | | | 0 | | | | | 20-21 |
| 21 48 | 26.755 | 71.9 | 48.0 | 12 | 0 | | | | | | | | | | | | | | | 0 | 1 | .040 | | | 21-22 |
| 22 48 | 26.760 | 67.4 | 45.8 | 14 | 0 | | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 23 46 | 26.755 | 63.2 | 44.5 | 18 | 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 | 63 | 58 | X | X | | | | | | X | | |
| | 0346 | 1 | 0 | 0 | 0 | 65 | 58 | | 0 | | | | | | | | |
| | 0944 | 2 | 0 | 0 | 0 | 74 | 57 | | 0 | | | | | | | | |
| | 1544 | 3 | 0 | 0 | 0 | 86 | 74 | | 0 | | | | | | | | |
| | 2143 | 4 | 0 | 0 | 0 | 86 | 70 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 72 | 63 | X | X | | | | | | X | | |

STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0350 | 0948 | 1545 | 2144 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.790 | 26.830 | 26.735 | 26.755 |
| BAROGRAPH 64 | 26.780 | 26.825 | 26.735 | 26.745 |
| BAR. CORR. 65 | +.010 | +.005 | 0 | +.010 |

SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

| 24-HR. MAX. TEMP. (°F) 66 | 24-HR. MIN. TEMP. (°F) 67 | 24-HR. PRECIP. WATER EQUIV. (Ins.) 68 | 24-HR. SNOWFALL UNMLTD (Ins.) 69 | SNOW DEPTH (Ins.) 70 | PEAK WIND SPEED (Kts.) 71 | PEAK WIND DIRECTION 72 | PEAK WIND TIME (L.S.T.) 73 | THICKNESS OF ICE ON WATER (Ins.) 74 | FROZEN GROUND LAYER (Ins.) TOP 75 | FROZEN GROUND LAYER (Ins.) BASE 76 | RIVER GAGE 77 | SKY COVER SUNRISE TO SUNSET 78 | SKY COVER MIDNIGHT TO MIDNIGHT 79 | WATER EQUIV. (Ins.) 80 | 81 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 86 | 57 | 0 | 0 | 0 | 23 | NE | 0950 | | | | | 0 | 0 | | |

WEATHER & OBSTRUCTIONS TO VISION

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

90. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE SUNSET

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

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

TIME CHECK: CLOCK 2 SEC SLOW 0653 CLOCK OK 2300

MF1-10B

☆ U.S. Government Printing Office: 1979—665 010/1153 Region No. 6.

MF1-10A (10-78)

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

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: 1981 JUN 16

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

| TYPE (1) | TIME (LST) (2) | SKY AND CEILING (Hundreds of Feet) (3) | VISIBILITY (Miles) SURFACE (4) | VISIBILITY (Miles) TOWER (4a) | WEATHER AND OBSTRUCTIONS TO VISION (5) | SEA LEVEL PRESS. (Mbs.) (6) | TEMP. (°F) (7) | DEW PT. (°F) (8) | WIND DIRECTION (00-36) (9) | WIND SPEED (Kts.) (10) | WIND CHARACTER (11) | ALTIMETER SETTING (Ins.) (12) | REMARKS AND SUPPLEMENTAL CODED DATA (13) | OBSERVERS INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0050 | CLR | 20 | | | 185 | 62 | 20 | 12 | 04 | | 017 | 803 | EP |
| SA | 0148 | CLR | 20 | | | 182 | 60 | 21 | 16 | 05 | | 016 | | EP |
| SA | 0250 | CLR | 20 | | | 182 | 59 | 19 | 01 | 07 | | 016 | | EP |
| SA | 0348 | CLR | 20 | | | 184 | 58 | 18 | 05 | 05 | | 016 | 602 58 RADAT 20144 | |
| SA | 0450 | CLR | 20 | | | 184 | 57 | 20 | 00 | 00 | | 016 | | |
| SA | 0548 | CLR | 20 | | | 185 | 63 | 20 | 11 | 04 | | 017 | | |
| SA | 0649 | CLR | 20 | | | 185 | 71 | 19 | 31 | 05 | | 018 | 307 1001 | |
| SA | 0748 | CLR | 20 | | | 183 | 77 | 23 | 20 | 03 | | 018 | | |
| SA | 0848 | CLR | 20 | | | 175 | 83 | 21 | 12 | 10 | | 016 | | |
| SA | 0949 | 300 - SCT | 20 | | | 166 | 88 | 20 | 13 | 08 | | 014 | 814 1001 56 | |
| SA | 1050 | 300 - SCT | 20 | | | 162 | 88 | 22 | 13 | 10 | | 013 | | |
| SA | 1145 | 300 - SCT | 20 | | | 158 | 89 | 22 | 27 | 09 | | 011 | | |
| SA | 1251 | 300 - SCT | 20 | | | 145 | 91 | 23 | 26 | 08 | | 007 | 720 1004 | |
| SA | 1346 | 300 - SCT | 20 | | | 134 | 93 | 22 | 25 | 10 | 617 | 004 | | |
| SA | 1450 | 300 SCT | 20 | | | 123 | 95 | 24 | 23 | 14 | | 001 | | |
| SA | 1547 | 300 SCT | 20 | | | 121 | 96 | 23 | 21 | 06 | | 000 | 622 100497 RADAT 20155 | EP |
| SA | 1649 | E300 BKN | 20 | | | 114 | 94 | 23 | 19 | 10 | | 998 | | EP |
| SA | 1752 | E300 BKN | 20 | | | 112 | 92 | 21 | 21 | 11 | | 998 | | EP |
| SA | 1847 | 300 SCT | 20 | | | 109 | 90 | 22 | 20 | 11 | | 998 | 607 1008 | EP |
| SA | 1948 | 300 SCT | 20 | | | 111 | 86 | 17 | 18 | 08 | | 999 | | EP |
| SA | 2047 | 300 SCT | 20 | | | 113 | 82 | 18 | 29 | 03 | | 000 | | EP |
| SA | 2149 | CLR | 20 | | | 109 | 82 | 16 | 31 | 05 | | 999 | 003 1008 97 | EP |
| SA | 2248 | CLR | 20 | | | 107 | 86 | 16 | 22 | 13 | 617 | 999 | | EP |
| SA | 2348 | CLR | 20 | | | 106 | 83 | 16 | 00 | 00 | | 999 | | EP |

A synoptic observation, in WMO code format FM11V, is entered on line following related aviation observation.

FM11V: Iliii Nddff VVwwW PPPTT $N_hC_LhC_MC_H$ $T_dT_d$app $6P_oP_oP_oP_o$ $7RRR_{ts}$ $8N_sCh\ h_s$ $9S_pS_pS_pS_p$ $2R_{24}R_{24}R_{24}R_{24}$ $3P_wP_wH_wH_w$ $d_wd_wP_wH_wH_w$ $4T_xT_xT_nT_n$

☆ U.S.GPO:1978-665-010/1109 Region No. 6

MF1-10B
(2-79)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: 1981 JUN 16

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

| TIME (L.S.T.) 16 | STATION PRESSURE (Ins.) 17 | DRY BULB (°F) 18 | WET BULB (°F) 19 | REL. HUMIDITY (%) 20 | TOTAL SKY COVER 21 | 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 | 26.745 | 62.3 | 44.2 | 19 | 0 | | | | | | | | | | | | | | | 0 | 8 | .010 | | | 00-01 |
| 01 48 | 26.740 | 60.0 | 43.3 | 22 | 0 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 50 | 26.740 | 59.1 | 42.4 | 20 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 48 | 26.740 | 58.0 | 41.7 | 21 | 0 | | | | | | | | | | | | | | | 0 | 6 | .005 | | | 03-04 |
| 04 50 | 26.740 | 56.6 | 41.5 | 24 | 0 | | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 05 48 | 26.750 | 63.1 | 44.5 | 19 | 0 | | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 06 49 | 26.760 | 71.0 | 48.0 | 14 | 0 | 0 | CI | 300 | | | | | | | | | | | | 0 | 3 | .020 | | | 06-07 |
| 07 48 | 26.760 | 76.6 | 51.1 | 13 | 0 | | | | | | | | | | | | | | | 0 | | | | | 07-08 |
| 08 48 | 26.740 | 82.8 | 53.3 | 10 | 0 | | | | | | | | | | | | | | | 0 | | | | | 08-09 |
| 09 49 | 26.720 | 87.8 | 55.2 | 8 | 1 | 1 | CI | 300 | | | | | | | | | | | | 0 | 8 | .040 | | | 09-10 |
| 10 50 | 26.705 | 88.0 | 55.5 | 9 | 1 | | | | | | | | | | | | | | | 0 | | | | | 10-11 |
| 11 45 | 26.690 | 88.9 | 56.0 | 9 | 1 | | | | | | | | | | | | | | | 0 | | | | | 11-12 |
| 12 51 | 26.660 | 91.3 | 57.0 | 8 | 3 | 3 | CI | 300 | | | | | | | | | | | | 0 | 7 | .060 | | | 12-13 |
| 13 46 | 26.630 | 92.5 | 57.3 | 8 | 4 | | | | | | | | | | | | | | | 1 | | | | | 13-14 |
| 14 50 | 26.600 | 95.0 | 58.5 | 8 | 2 | | | | | | | | | | | | | | | 2 | | | | | 14-15 |
| 15 47 | 26.595 | 95.5 | 58.5 | 7 | 5 | 5 | CI | 300 | | | | | | | | | | | | 5 | 6 | .065 | | | 15-16 |
| 16 49 | 26.575 | 93.9 | 58.0 | 8 | 6 | | | | | | | | | | | | | | | 5 | | | | | 16-17 |
| 17 52 | 26.575 | 91.8 | 56.8 | 8 | 6 | | | | | | | | | | | | | | | 5 | | | | | 17-18 |
| 18 47 | 26.575 | 89.9 | 55.9 | 8 | 4 | 4 | CS | 300 | | | | | | | | | | | | 3 | 6 | .020 | | | 18-19 |
| 19 48 | 26.580 | 85.6 | 53.7 | 8 | 1 | | | | | | | | | | | | | | | 1 | | | | | 19-20 |
| 20 47 | 26.590 | 82.3 | 52.6 | 9 | 1 | | | | | | | | | | | | | | | 1 | | | | | 20-21 |
| 21 49 | 26.585 | 82.0 | 52.2 | 8 | 0 | 0 | CS | 300 | | | | | | | | | | | | 0 | 0 | .010 | | | 21-22 |
| 22 48 | 26.585 | 85.5 | 53.5 | 7 | 0 | | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 23 48 | 26.580 | 82.5 | 52.4 | 8 | 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 0344 | X | 0 | 0 | X | 63 | 58 | X | X | | | | | | X | | |
| | 0344 | 1 | 0 | 0 | 0 | 72 | 58 | | 0 | | | | | | | | |
| | 0945 | 2 | 0 | 0 | 0 | 88 | 56 | | 0 | | | | | | | | |
| | 1543 | 3 | 0 | 0 | 0 | 97 | 88 | | 0 | | | | | | | | |
| | 2145 | 4 | 0 | 0 | 0 | 96 | 81 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 87 | 82 | X | X | | | | | | X | | |

## STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0348 | 0949 | 1544 | 2146 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.740 | 26.720 | 26.595 | 26.585 |
| BAROGRAPH 64 | 26.730 | 26.720 | 26.595 | 26.575 |
| BAR. CORR. 65 | +.010 | 0 | 0 | +.010 |

## SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

| 24-HR. MAX. TEMP. (°F) 66 | 24-HR. MIN. TEMP. (°F) 67 | 24-HR. PRECIP. WATER EQUIV. (Ins.) 68 | 24-HR. SNOWFALL UNMLTD (Ins.) 69 | SNOW DEPTH (Ins.) 70 | PEAK WIND SPEED (Kts.) 71 | PEAK WIND DIRECTION 72 | PEAK WIND TIME (L.S.T.) 73 | THICKNESS OF ICE ON WATER (Ins.) 74 | FROZEN GROUND LAYER (Ins.) TOP 75 | FROZEN GROUND LAYER (Ins.) BASE 76 | RIVER GAGE 77 | SKY COVER SUNRISE TO SUNSET 78 | SKY COVER MIDNIGHT TO MIDNIGHT 79 | WATER EQUIV. (Ins.) 80 | 81 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 97 | 56 | 0 | 0 | 0 | 22 | SW | 1349 | | | | | 2 | 1 | | |

## WEATHER & OBSTRUCTIONS TO VISION

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

## 90. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE SUNSET

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

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

TIME CHECK: CLOCK 2 SEC SLOW 0552 CLOCK 2SEC SLOW 2230

MF1-10B

☆ U.S. Government Printing Office: 1979—665 010/1153 Region No. 6.

MF1-10A
(10-78)

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

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: 1981 JUN 17

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

| TYPE (1) | TIME (LST) (2) | SKY AND CEILING (Hundreds of Feet) (3) | VISIBILITY (Miles) SURFACE (4) | VISIBILITY (Miles) TOWER (4a) | WEATHER AND OBSTRUCTIONS TO VISION (5) | SEA LEVEL PRESS. (Mbs.) (6) | TEMP. (°F) (7) | DEW PT. (°F) (8) | WIND DIRECTION (00-36) (9) | WIND SPEED (Kts.) (10) | WIND CHARACTER (11) | ALTIMETER SETTING (Ins.) (12) | REMARKS AND SUPPLEMENTAL CODED DATA (13) | OBSERVERS INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0049 | CLR | 20 | | | 105 | 76 | 18 | 14 | 05 | | 998 | 805 1008 | EP |
| SA | 0149 | CLR | 20 | | | 101 | 76 | 17 | 09 | 05 | | 997 | | EP |
| SA | 0250 | CLR | 20 | | | 101 | 72 | 19 | 02 | 07 | | 997 | | EP |
| SA | 0351 | CLR | 20 | | | 103 | 71 | 15 | 04 | 10 | | 997 | 502 1001 71 ~~RA~~DAT 20153 | RK |
| SA | 0449 | CLR | 20 | | III | 107 | 71 | 18 | 23 | 04 | | 999 | | RK |
| SA | 0549 | 300 - SCT | 20 | | | 116 | 72 | 29 | 00 | 00 | | 001 | | RK |
| SA | 0650 | 300 - SCT | 20 | | | 118 | 81 | 24 | 09 | 04 | | 002 | 215 1001 | RK |
| SA | 0749 | 300 - SCT | 20 | | | 118 | 84 | 26 | 06 | 12 | | 002 | | RK |
| SA | 0846 | CLR | 20 | | | 115 | 87 | 27 | 04 | 11 | | 001 | | RK |
| SA | 0950 | CLR | 20 | | | 110 | 90 | 27 | 09 | 07 | | 999 | 808 1001 67 | RK |
| SA | 1050 | CLR | 20 | | | 105 | 94 | 26 | 23 | 08 | | 999 | | RK |
| SA | 1147 | CLR | 20 | | | 095 | 95 | 26 | 22 | 12 | | 996 | | RK |
| SA | 1247 | CLR | 20 | | | 090 | 96 | 24 | 17 | 10 | | 994 | 715 1001 | RK |
| SA | 1345 | CLR | 20 | | | 084 | 97 | 27 | 21 | 13 | | 992 | | RK |
| SA | 1451 | CLR | 20 | | | 076 | 98 | 23 | 22 | 14 | | 990 | | RK |
| SA | 1548 | CLR | 20 | | | 068 | 99 | 28 | 22 | 13 | | 988 | 720 1001 00 ~~RA~~DAT 20155 | EP |
| SA | 1647 | CLR | 20 | | | 065 | 97 | 23 | 25 | 10 | | 986 | | EP |
| SA | 1749 | 300SCT | 20 | | | 063 | 96 | 27 | 21 | 13 | | 986 | | EP |
| SA | 1848 | CLR | 20 | | | 060 | 92 | 25 | 21 | 11 | | 986 | 607 1001 | EP |
| SA | 1949 | CLR | 20 | | | 064 | 86 | 24 | 32 | 02 | | 986 | | EP |
| SA | 2050 | CLR | 20 | | | 071 | 77 | 24 | 02 | 06 | | 987 | | EP |
| SA | 2150 | CLR | 20 | | | 066 | 83 | 23 | 10 | 08 | | 987 | 105 1001 00 | EP |
| SA | 2249 | CLR | 20 | | | 068 | 72 | 26 | 31 | 04 | | 987 | | EP |
| SA | 2350 | CLR | 20 | | | 065 | 75 | 23 | 34 | 05 | | 987 | | EP |

A synoptic observation, in WMO code format FM11V, is entered on line following related aviation observation.

FM11V: Iliii Nddff VVwwW PPPTT $N_hC_LhC_MC_H$ $T_dT_dapp$ $6P_oP_oP_oP_o$ $7RRR_{ts}$ $8N_sCh\ h_s$ $9SpSpspsp$ $2R_{24}R_{24}R_{24}R_{24}$ $3P_wP_wH_wH_w$ $d_wd_wP_wH_wH_w$ $4T_xT_xT_nT_n$

☆ U.S.GPO:1978-665-010/1109 Region No. 6

MF1-10B
(2-79)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION

DATE 1981 JUN 17

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

WSMO, DESERT ROCK, NV

| 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 | 26.570 | 76.2 | 50.0 | 11 | 0 | 0 | Cs | 300 | | | | | | | | | | | | 0 | 8 | .015 | | | 00-01 |
| 01 49 | 26.560 | 76.3 | 49.9 | 10 | 0 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 50 | 26.560 | 71.5 | 48.2 | 13 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 51 | 26.565 | 71.0 | 47.2 | 11 | 0 | 0 | Ci | 300 | | | | | | | | | | | | 0 | 5 | .005 | | | 03-04 |
| 04 49 | 26.585 | 70.8 | 47.8 | 13 | 0 | | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 05 49 | 26.600 | 72.2 | 50.9 | 20 | 2 | | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 06 50 | 26.610 | 80.9 | 53.2 | 12 | 3 | 3 | Ci | 300 | | | | | | | | | | | | 0 | 2 | .045 | | | 06-07 |
| 07 49 | 26.610 | 84.2 | 55.0 | 12 | 2 | | | | | | | | | | | | | | | 0 | | | | | 07-08 |
| 08 46 | 26.600 | 87.0 | 56.3 | 11 | 0 | | | | | | | | | | | | | | | 0 | | | | | 08-09 |
| 09 50 | 26.585 | 89.5 | 57.1 | 10 | 0 | 0 | Ci | 300 | | | | | | | | | | | | 0 | 8 | .025 | | | 09-10 |
| 10 50 | 26.585 | 93.9 | 58.5 | 9 | 0 | | | | | | | | | | | | | | | 0 | | | | | 10-11 |
| 11 47 | 26.555 | 95.3 | 59.1 | 8 | 0 | | | | | | | | | | | | | | | 0 | | | | | 11-12 |
| 12 47 | 26.540 | 96.3 | 59.0 | 7 | 0 | 0 | Ci | 300 | | | | | | | | | | | | 0 | 7 | .045 | | | 12-13 |
| 13 45 | 26.520 | 97.1 | 60.0 | 8 | 0 | | | | | | | | | | | | | | | 0 | | | | | 13-14 |
| 14 51 | 26.500 | 98.5 | 59.6 | 7 | 0 | | | | | | | | | | | | | | | 0 | | | | | 14-15 |
| 15 48 | 26.480 | 99.1 | 60.8 | 8 | 0 | 0 | Ci | 300 | | | | | | | | | | | | 0 | 7 | .060 | | | 15-16 |
| 16 47 | 26.465 | 97.0 | 59.2 | 7 | 0 | | | | | | | | | | | | | | | 0 | | | | | 16-17 |
| 17 49 | 26.460 | 95.8 | 59.5 | 9 | 1 | | | | | | | | | | | | | | | 1 | | | | | 17-18 |
| 18 48 | 26.460 | 91.8 | 57.6 | 9 | 0 | 0 | Ci | 300 | | | | | | | | | | | | 0 | 6 | .020 | | | 18-19 |
| 19 49 | 26.465 | 86.2 | 55.3 | 10 | 0 | | | | | | | | | | | | | | | 0 | | | | | 19-20 |
| 20 50 | 26.475 | 77.1 | 51.6 | 14 | 0 | | | | | | | | | | | | | | | 0 | | | | | 20-21 |
| 21 50 | 26.475 | 83.2 | 53.8 | 11 | 0 | 0 | Ci | 300 | | | | | | | | | | | | 0 | 1 | .015 | | | 21-22 |
| 22 49 | 26.470 | 71.9 | 49.9 | 18 | 0 | | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 23 50 | 26.470 | 74.8 | 50.5 | 14 | 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 | | 0 | 0 | | 83 | 71 | | | | | | | | | | |
| | 0347 | 1 | 0 | 0 | 0 | 87 | 71 | | 0 | | | | | | | | |
| | 0947 | 2 | 0 | 0 | 0 | 90 | 67 | | 0 | | | | | | | | |
| | 1544 | 3 | 0 | 0 | 0 | 100 | 90 | | 0 | | | | | | | | |
| | 2144 | 4 | 0 | 0 | 0 | 99 | 77 | | 0 | | | | | | | | |
| | MID. | | 0 | 0 | 0 | 83 | 72 | | | | | | | | | | |

## STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0351 | 0950 | 1545 | 2145 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.565 | 26.585 | 26.480 | 26.475 |
| BAROGRAPH 64 | 26.565 | 26.585 | 26.480 | 26.475 |
| 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 100 | 67 | 0 | 0 | 0 | 24 | SW | 1433 | | | | | 0 | 0 | | |

## WEATHER & OBSTRUCTIONS TO VISION

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

## 90. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE SUNSET

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

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

TIME CHECK: 2 SEC SLOW 0900 2 SEC SLOW 2215

*BAROGRAM CHANGED (RESET TO ZERO)

MF1-10B

☆ U.S. Government Printing Office: 1979—665-010/1153 Region No. 6.

MF1-10A (10-78)

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

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: 1981 JUN 1~~8~~-8

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

| TYPE (1) | TIME (LST) (2) | SKY AND CEILING (Hundreds of Feet) (3) | VISIBILITY (Miles) SURFACE (4) | VISIBILITY (Miles) TOWER (4a) | WEATHER AND OBSTRUCTIONS TO VISION (5) | SEA LEVEL PRESS. (Mbs.) (6) | TEMP. (°F) (7) | DEW PT. (°F) (8) | WIND DIRECTION (00-36) (9) | WIND SPEED (Kts.) (10) | WIND CHARACTER (11) | ALTIMETER SETTING (Ins.) (12) | REMARKS AND SUPPLEMENTAL CODED DATA (13) | OBSERVER'S INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0050 | CLR | 20 | | | 063 | 72 | 24 | 02 | 06 | | 986 | 805 | EP |
| SA | 0147 | CLR | 20 | | | 065 | 70 | 22 | 08 | 07 | | 986 | | EP |
| SA | 0250 | CLR | 20 | | | 067 | 72 | 22 | 04 | 09 | | 987 | | EP |
| SA | 0350 | ~~CLR~~ 280 -SCT | 20 | | | 073 | 74 | 23 | 30 | 03 | | 989 | 312 1001 68 RADAT 24160 | RK |
| SA | 0445 | 280 -SCT | 20 | | | 084 | 67 | 23 | 00 | 00 | | 991 | | RK |
| SA | 0550 | 280 -SCT | 20 | | | 087 | 77 | 26 | 03 | 11 | | 993 | | RK |
| SA | 0645 | 280 -BKN | 20 | | | 094 | 80 | 26 | 03 | 07 | | 995 | 217 1002 | RK |
| SA | 0745 | 280 -BKN | 20 | | | 099 | 83 | 25 | 04 | 10 | | 996 | | RK |
| SA | 0849 | 280 -BKN | 20 | | | 105 | 87 | 29 | 30 | 03 | | 997 | | RK |
| SA | 0947 | 250 -BKN | 20 | | | 098 | 89 | 25 | 28 | 03 | | 996 | 003 1001 67 | RK |
| SA | 1045 | 250 -BKN | 20 | | | 100 | 92 | 28 | 15 | 04 | | 996 | | RK |
| SA | 1145 | 250 -SCT | 20 | | | 095 | 98 | 28 | 19 | 07 | | 995 | | RK |
| SA | 1245 | 250 -SCT | 20 | | | 090 | 95 | 30 | 21 | 08 | | 993 | 808 1001 | RK |
| SA | 1345 | 250 -SCT | 20 | | | 082 | 99 | 31 | 24 | 10 | | 991 | | RK |
| SA | 1450 | ~~250~~ CLR | 20 | | | 077 | 98 | 28 | 24 | 11 | | 990 | | RK |
| SA | 1546 | CLR | 20 | | | 073 | 99 | 26 | 29 | 05 | | 989 | 712 1001 99 RADAT 34148 | LEF |
| SA | 1646 | CLR | 20 | | | 073 | 99 | 24 | 25 | 11 | | 988 | | LEF |
| SA | 1745 | CLR | 20 | | | 069 | 98 | 25 | 24 | 07 | | 988 | | LEF |
| SA | 1847 | CLR | 20 | | | 070 | 94 | 27 | 26 | 05 | | 989 | 502 1001 | LEF |
| SA | 1946 | CLR | 20 | | | 079 | 85 | 28 | 04 | 02 | | 990 | | LEF |
| SA | 2048 | CLR | 20 | | | 084 | 80 | 27 | 04 | 07 | | 992 | | LEF |
| SA | 2147 | CLR | 20 | | | 088 | 79 | 30 | 04 | 07 | | 993 | 212 99 | LEF |
| SA | 2246 | CLR | 20 | | | 091 | 76 | 30 | 04 | 04 | | 993 | | LEF |
| SA | 2345 | CLR | 20 | | | 091 | 75 | 29 | 04 | 05 | | 993 | | LEF |

A synoptic observation, in WMO code format FM11V, is entered on line following related aviation observation.

FM11V: IIiii Nddff VVwwW PPPTT $N_hC_LhC_MC_H$ $T_dT_dapp$ $6P_oP_oP_oP_o$ $7RRR_{ts}$ $8N_sCh\ h_s$ $9SpSpspsp$ $2R_{24}R_{24}R_{24}R_{24}$ $3P_wP_wH_wH_w$ $d_wd_wP_wH_wH_w$ $4T_xT_xT_nT_n$

☆ U.S.GPO:1978-665-010/1109 Region No. 6

MF1-10B
(2-79)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: 1981 JUN 1 8

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

| TIME (L.S.T.) 16 | STATION PRESSURE (Ins.) 17 | DRY BULB (°F) 18 | WET BULB (°F) 19 | REL. HUMIDITY (%) 20 | TOTAL SKY COVER 21 | LOWEST LAYER AMT. 22 | LOWEST LAYER TYPE 23 | LOWEST LAYER HEIGHT 24 | SECOND LAYER AMT. 25 | SECOND LAYER TYPE 26 | SECOND LAYER HEIGHT 27 | SUMMATION TOTAL 28 | THIRD LAYER AMT. 29 | THIRD LAYER TYPE 30 | THIRD LAYER HEIGHT 31 | SUMMATION TOTAL 32 | FOURTH LAYER AMT. 33 | FOURTH LAYER TYPE 34 | FOURTH LAYER HEIGHT 35 | TOTAL OPAQUE SKY COVER 36 | PRESSURE TENDENCY 37 | NET 3-HR. CHANGE (Ins.) 38 | SUNSHINE (Min.) 39 | PRECIPITATION (Ins.) 40 | HR. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00 50 | 26.460 | 71.6 | 49.4 | 17 | 0 | | | | | | | | | | | | | | | 0 | 8 | .015 | | | 00-01 |
| 01 47 | 26.465 | 69.5 | 48.0 | 17 | 0 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 50 | 26.475 | 72.3 | 49.1 | 15 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 50 | 26.495 | 73.8 | 50.0 | 15 | 4 | 4 | Ci | 280 | | | | | | | | | | | | 0 | 3 | 035 | | | 03-04 |
| 04 45 | 26.510 | 67.3 | 47.3 | 19 | 4 | | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 05 50 | 26.530 | 77.0 | 52.0 | 15 | 5 | | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 06 45 | 26.545 | 80.1 | 53.4 | 14 | 6 | 6 | Ci | 280 | | | | | | | | | | | | 1 | 2 | 050 | | | 06-07 |
| 07 45 | 26.555 | 83.2 | 54.4 | 12 | 6 | | | | | | | | | | | | | | | 1 | | | | | 07-08 |
| 08 49 | 26.565 | 87.0 | 56.8 | 12 | 7 | | | | | | | | | | | | | | | 1 | | | | | 08-09 |
| 09 47 | 26.555 | 89.0 | 56.6 | 10 | 7 | 7 | Ci | 250 | | | | | | | | | | | | 1 | 0 | 010 | | | 09-10 |
| 10 45 | 26.535 | 92.3 | 58.5 | 10 | 6 | | | | | | | | | | | | | | | 1 | | | | | 10-11 |
| 11 45 | 26.545 | 92.8 | 58.6 | 10 | 4 | | | | | | | | | | | | | | | 0 | | | | | 11-12 |
| 12 45 | 26.530 | 95.1 | 59.8 | 10 | 4 | 4 | Ci | 250 | | | | | | | | | | | | 0 | 8 | 025 | | | 12-13 |
| 13 45 | 26.510 | 98.9 | 61.4 | 9 | 4 | | | | | | | | | | | | | | | 0 | | | | | 13-14 |
| 14 50 | 26.500 | 97.8 | 60.5 | 9 | 0 | | | | | | | | | | | | | | | 0 | | | | | 14-15 |
| 15 46 | 26.495 | 99.2 | 60.5 | 8 | 0 | 0 | Ci | 250 | | | | | | | | | | | | 0 | 7 | 035 | | | 15-16 |
| 16 46 | 26.485 | 99.0 | 60.0 | 7 | 0 | | | | | | | | | | | | | | | 0 | | | | | 16-17 |
| 17 45 | 26.485 | 97.7 | 59.7 | 7 | 0 | | | | | | | | | | | | | | | 0 | | | | | 17-18 |
| 18 47 | 26.490 | 93.9 | 58.8 | 9 | 0 | 0 | Ci | 250 | | | | | | | | | | | | 0 | 5 | 005 | | | 18-19 |
| 19 46 | 26.500 | 84.7 | 55.5 | 13 | 0 | | | | | | | | | | | | | | | 0 | | | | | 19-20 |
| 20 48 | 26.515 | 80.0 | 53.6 | 14 | 0 | | | | | | | | | | | | | | | 0 | | | | | 20-21 |
| 21 47 | 26.525 | 79.0 | 54.0 | 17 | 0 | | | | | | | | | | | | | | | 0 | 2 | 035 | | | 21-22 |
| 22 46 | 26.530 | 75.6 | 52.5 | 19 | 0 | | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 23 45 | 26.530 | 74.7 | 52.0 | 19 | 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 0347 | X | 0 | 0 | X | 75 | 68 | X | X | | | | | | X | | |
| | 0347 | 1 | 0 | 0 | 0 | 83 | 68 | | 0 | | | | | | | | |
| | 0944 | 2 | 0 | 0 | 0 | 89 | 67 | | 0 | | | | | | | | |
| | 1541 | 3 | 0 | 0 | 0 | 99 | 89 | | 0 | | | | | | | | |
| | 2142 | 4 | 0 | 0 | 0 | 99 | 79 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 79 | 75 | X | X | | | | | | X | | |

STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0350 | 0947 | 1545 | 2146 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.495 | 26.555 | 26.495 | 26.525 |
| BAROGRAPH 64 | 26.490 | 26.555 | 26.495 | 26.520 |
| BAR. CORR. 65 | +005 | 0 | ±0 | +005 |

## SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

| 24-HR. MAX. TEMP. (°F) 66 | 24-HR. MIN. TEMP. (°F) 67 | 24-HR. PRECIP. WATER EQUIV. (Ins.) 68 | 24-HR. SNOWFALL UNMLTD (Ins.) 69 | SNOW DEPTH (Ins.) 70 | PEAK WIND SPEED (Kts.) 71 | PEAK WIND DIRECTION 72 | PEAK WIND TIME (L.S.T.) 73 | THICKNESS OF ICE ON WATER (Ins.) 74 | FROZEN GROUND LAYER (Ins.) TOP 75 | FROZEN GROUND LAYER (Ins.) BASE 76 | RIVER GAGE 77 | SKY COVER SUNRISE TO SUNSET 78 | SKY COVER MIDNIGHT TO MIDNIGHT 79 | WATER EQUIV. (Ins.) 80 | 81 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 99 | 67 | 0 | 0 | 0 | 14 | SW | 1455 | | | | | 4 | 2 | | |

WEATHER & OBSTRUCTIONS TO VISION

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

90. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE SUNSET

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

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

TIME CHECK: 1 SEC SLOW 0900P 2230P 2 SEC SLOW

MF1-10B

☆ U.S. Government Printing Office: 1979—665-010/1153 Region No. 6.

MF1-10A (10-78)

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

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: 1981 JUN 19

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

| TYPE (1) | TIME (LST) (2) | SKY AND CEILING (Hundreds of Feet) (3) | VISIBILITY (Miles) SURFACE (4) | VISIBILITY (Miles) TOWER (4a) | WEATHER AND OBSTRUCTIONS TO VISION (5) | SEA LEVEL PRESS. (Mbs.) (6) | TEMP (°F) (7) | DEW PT. (°F) (8) | WIND DIRECTION (100-36) (9) | WIND SPEED (Kts.) (10) | WIND CHARACTER (11) | ALTIMETER SETTING (Ins.) (12) | REMARKS AND SUPPLEMENTAL CODED DATA (13) | OBSERVER'S INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0048 | CLR | 20 | | | 091 | 75 | 31 | 05 | 03 | | 994 | 203 | LEF |
| SA | 0148 | CLR | 20 | | | 087 | 71 | 34 | 07 | 01 | | 993 | | LEF |
| SA | 0245 | CLR | 20 | | | 095 | 73 | 30 | 05 | 03 | | 996 | | LEF |
| SA | 0345 | CLR | 20 | | | 099 | 69 | 30 | 04 | 04 | | 996 | 207 69 RADAT 20163 | RK |
| SA | 0456 | CLR | 20 | | | 105 | 71 | 30 | 02 | 07 | | 998 | | RK |
| SA | 0550 | CLR | 20 | | | 110 | 78 | 32 | 03 | 06 | | 000 | | RK |
| SA | 0652 | CLR | 20 | | 119 | 108 | 84 | 29 | 28 | 06 | | 003 | 322 | RK |
| SA | 0750 | CLR | 20 | | | 125 | 89 | 29 | 31 | 07 | | 004 | | RK |
| SA | 0845 | CLR | 20 | | | 124 | 88 | 29 | 22 | 06 | | 003 | | RK |
| SA | 0945 | CLR | 20 | | | 122 | 91 | 30 | 27 | 05 | | 003 | 000 66 | RK |
| SA | 1045 | CLR | 20 | | | 119 | 95 | 31 | 26 | 08 | | 002 | | RK |
| SA | 1150 | CLR | 20 | | | 114 | 98 | 33 | 25 | 06 | | 001 | | RK |
| SA | 1247 | CLR | 20 | | | 107 | 100 | 32 | 21 | 11 | | 999 | 712 | RK |
| SA | 1345 | CLR | 20 | | | 101 | 101 | 30 | 29 | 11 | | 997 | | RK |
| SA | 1450 | CLR | 20 | | | 100 | 101 | 30 | 24 | 14 | | 997 | | RK |
| SA | 1547 | CLR | 20 | | | 090 | 102 | 22 | 24 | 09 | | 994 | 717 02 RADAT 20161 | LEF |
| SA | 1646 | CLR | 20 | | | 081 | 102 | 27 | 24 | 12 | | 992 | | LEF |
| SA | 1747 | CLR | 20 | | | 076 | 101 | 29 | 24 | 07 | | 991 | | LEF |
| SA | 1847 | CLR | 20 | | | 074 | 96 | 28 | 24 | 05 | | 991 | 710 | LEF |
| SA | 1946 | CLR | 20 | | | 084 | 92 | 28 | 20 | 07 | | 993 | | LEF |
| SA | 2045 | CLR | 20 | | | 088 | 88 | 24 | 09 | 02 | | 994 | | LEF |
| SA | 2146 | CLR | 20 | | | 090 | 83 | 27 | 02 | 04 | | 994 | 212 02 | LEF |
| SA | 2247 | CLR | 20 | | | 089 | 82 | 29 | 27 | 02 | | 994 | | LEF |
| SA | 2345 | CLR | 20 | | | 088 | 82 | 25 | 36 | 05 | | 994 | | LEF |

A synoptic observation, in WMO code format FM11V, is entered on line following related aviation observation.

FM11V: IIiii Nddff VVwwW PPPTT $N_hC_LhC_MC_H$ $T_dT_dapp$ $6P_oP_oP_oP_o$ $7RRR_{is}$ $8N_sCh\ h_s$ $9S_pS_pS_pS_p$ $2R_{24}R_{24}R_{24}R_{24}$ $3P_wP_wH_wH_w$ $d_wd_wP_wH_wH_w$ $4T_xT_xT_nT_n$

☆U.S.GPO:1980-0-665-115/1108

MF1-10B
(2-79)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: 1981 JUN 19

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

| TIME (L.S.T.) 16 | STATION PRESSURE (Ins.) 17 | DRY BULB (°F) 18 | WET BULB (°F) 19 | REL. HUMIDITY (%) 20 | TOTAL SKY COVER 21 | 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 | 26.535 | 74.8 | 52.4 | 20 | 0 | | | | | | | | | | | | | | | 0 | 2 | 010 | | | 00-01 |
| 01 48 | 26.530 | 71.3 | 51.8 | 25 | 0 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 45 | 26.550 | 72.7 | 51.4 | 21 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 45 | 26.555 | 69.1 | 49.9 | 23 | 0 | | | | | | | | | | | | | | | 0 | 2 | 020 | | | 03-04 |
| 04 56 | 26.575 | 71.2 | 50.6 | 21 | 0 | | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 05 50 | 26.595 | 78.0 | 54.2 | 19 | 0 | | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 06 52 | 26.620 | 83.7 | 55.5 | 14 | 0 | | | | | | | | | | | | | | | 0 | 3 | 065 | | | 06-07 |
| 07 50 | 26.630 | 85.3 | 56.0 | 13 | 0 | | | | | | | | | | | | | | | 0 | | | | | 07-08 |
| 08 45 | 26.620 | 87.5 | 57.0 | 12 | 0 | | | | | | | | | | | | | | | 0 | | | | | 08-09 |
| 09 45 | 26.620 | 90.9 | 58.3 | 11 | 0 | | | | | | | | | | | | | | | 0 | 0 | 000 | | | 09-10 |
| 10 45 | 26.610 | 95.1 | 60.1 | 10 | 0 | | | | | | | | | | | | | | | 0 | | | | | 10-11 |
| 11 50 | 26.600 | 98.2 | 61.7 | 10 | 0 | | | | | | | | | | | | | | | 0 | | | | | 11-12 |
| 12 47 | 26.585 | 99.6 | 61.9 | 9 | 0 | | | | | | | | | | | | | | | 0 | 7 | 035 | | | 12-13 |
| 13 45 | 26.565 | 101.1 | 62.0 | 8 | 0 | | | | | | | | | | | | | | | 0 | | | | | 13-14 |
| 14 50 | 26.565 | 101.3 | 62.0 | 8 | 0 | | | | | | | | | | | | | | | 0 | | | | | 14-15 |
| 15 47 | 26.535 | 102.0 | 60.7 | 6 | 0 | | | | | | | | | | | | | | | 0 | 7 | 050 | | | 15-16 |
| 16 46 | 26.515 | 101.7 | 61.6 | 7 | 0 | | | | | | | | | | | | | | | 0 | | | | | 16-17 |
| 17 47 | 26.510 | 100.7 | 61.6 | 8 | 0 | | | | | | | | | | | | | | | 0 | | | | | 17-18 |
| 18 47 | 26.505 | 96.4 | 59.8 | 9 | 0 | | | | | | | | | | | | | | | 0 | 7 | 030 | | | 18-19 |
| 19 46 | 26.525 | 92.0 | 58.3 | 10 | 0 | | | | | | | | | | | | | | | 0 | | | | | 19-20 |
| 20 45 | 26.535 | 88.3 | 56.0 | 9 | 0 | | | | | | | | | | | | | | | 0 | | | | | 20-21 |
| 21 46 | 26.540 | 83.1 | 54.7 | 13 | 0 | | | | | | | | | | | | | | | 0 | 2 | 035 | | | 21-22 |
| 22 47 | 26.540 | 82.3 | 54.9 | 14 | 0 | | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 23 45 | 26.540 | 81.9 | 53.9 | 13 | 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 | 75 | 69 | X | X | | | | | | X | | |
| | 0342 | 1 | 0 | 0 | 0 | 79 | 69 | | 0 | | | | | | | | |
| | 0941 | 2 | 0 | 0 | 0 | 91 | 66 | | 0 | | | | | | | | |
| | 1542 | 3 | 0 | 0 | 0 | 102 | 91 | | 0 | | | | | | | | |
| | 2141 | 4 | 0 | 0 | 0 | 102 | 83 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 83 | 82 | X | X | | | | | | X | | |

## STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0345 | 0945 | 1546 | 2145 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.555 | 26.620 | 26.535 | 26.540 |
| BAROGRAPH 64 | 26.550 | 26.615 | 26.530 | 26.530 |
| BAR. CORR. 65 | +005 | +005 | +005 | +010 |

## SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

| 24-HR. MAX. TEMP. (°F) 66 | 24-HR. MIN. TEMP. (°F) 67 | 24-HR. PRECIP. WATER EQUIV. (Ins.) 68 | 24-HR. SNOWFALL UNMLTD (Ins.) 69 | SNOW DEPTH (Ins.) 70 | PEAK WIND SPEED (Kts.) 71 | PEAK WIND DIRECTION 72 | PEAK WIND TIME (L.S.T.) 73 | THICKNESS OF ICE ON WATER (Ins.) 74 | FROZEN GROUND LAYER (Ins.) TOP 75 | FROZEN GROUND LAYER (Ins.) BASE 76 | RIVER GAGE 77 | SKY COVER SUNRISE TO SUNSET 78 | SKY COVER MIDNIGHT TO MIDNIGHT 79 | WATER EQUIV. (Ins.) 80 | 81 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 102 | 66 | 0 | 0 | 0 | 16 | W | 1248 | | | | | 0 | 0 | | |

## WEATHER & OBSTRUCTIONS TO VISION

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

## 90. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE SUNSET

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

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

TIME CHECK: 2 Sec Slow @ 0855 P 2235 P 2 SEC Slow

MF1-10B

☆ U.S. Government Printing Office: 1979—665-010/1153 Region No. 6.

MF1-1DA (10-78)

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

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: 1981 JUN 20

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

| TYPE (1) | TIME (LST) (2) | SKY AND CEILING (Hundreds of Feet) (3) | VISIBILITY (Miles) SURFACE (4) | VISIBILITY (Miles) TOWER (4a) | WEATHER AND OBSTRUCTIONS TO VISION (5) | SEA LEVEL PRESS. (Mbs.) (6) | TEMP. (°F) (7) | DEW PT. (°F) (8) | WIND DIRECTION (00-36) (9) | WIND SPEED (Kts.) (10) | WIND CHARACTER (11) | ALTIMETER SETTING (Ins.) (12) | REMARKS AND SUPPLEMENTAL CODED DATA (13) | OBSERVERS INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0045 | CLR | 20 | | | 083 | 83 | 33 | 32 | 03 | | 993 | 803 | LEF |
| SA | 0146 | CLR | 20 | | | 083 | 79 | 30 | 02 | 08 | | 993 | | LEF |
| SA | 0245 | CLR | 20 | | | 084 | 76 | 30 | 36 | 04 | | 993 | | LEF |
| SA | 0350 | CLR | 20 | | | 089 | 77 | 28 | 34 | 10 | | 995 | 305 76 RADAT 33153 | RK |
| SA | 0445 | CLR | 20 | | | 095 | 74 | 30 | 02 | 07 | | 996 | | RK |
| SA | 0546 | CLR | 20 | | | 097 | 79 | 34 | 05 | 05 | | 997 | | RK |
| SA | 0645 | CLR | 20 | | | 100 | 86 | 34 | 28 | 07 | | 998 | 210 | RK |
| SA | 0746 | CLR | 20 | | | 105 | 88 | 34 | 25 | 05 | | 999 | | RK |
| SA | 0846 | CLR | 20 | | | 106 | 90 | 34 | 21 | 08 | | 999 | | RK |
| SA | 0945 | CLR | 20 | | | 107 | 93 | 36 | 23 | 10 | | 999 | 103 74 | RK |
| SA | 1045 | CLR | 20 | | | 105 | 96 | 36 | 26 | 09 | | 999 | | RK |
| SA | 1145 | CLR | 20 | | | 097 | 98 | 37 | 22 | 09 | | 997 | | RK |
| SA | 1245 | CLR | 20 | | | 092 | 100 | 35 | 23 | 09 | | 996 | 810 | RK |
| SA | 1348 | CLR | 20 | | | 082 | 103 | 32 | 25 | 10 | | 993 | | RK |
| SA | 1450 | CLR | 20 | | | 076 | 104 | 33 | 24 | 14 | | 991 | | RK |
| SA | 1546 | CLR | 20 | | | 074 | 104 | 30 | 24 | 05 | | 991 | 717 04 RADAT 20163 | LEF |
| SA | 1648 | CLR | 20 | | | 070 | 103 | 34 | 24 | 11 | | 989 | | LEF |
| SA | 1747 | CLR | 20 | | | 065 | 102 | 32 | 26 | 11 | | 988 | | LEF |
| SA | 1848 | CLR | 20 | | | 065 | 98 | 30 | 25 | 05 | | 988 | 607 | LEF |
| SA | 1945 | CLR | 20 | | | 068 | 94 | 26 | 19 | 06 | | 989 | | LEF |
| SA | 2046 | CLR | 20 | | | 074 | 91 | 28 | 29 | 02 | | 991 | | LEF |
| SA | 2145 | CLR | 20 | | | 076 | 91 | 30 | 19 | 08 | | 992 | 210 04 | LEF |
| SA | 2246 | CLR | 20 | | | 080 | 89 | 36 | 21 | 09 | | 993 | | LEF |
| SA | 2347 | CLR | 20 | | | 081 | 88 | 29 | 09 | 01 | | 992 | | LEF |

A synoptic observation, in WMO code format FM11V, is entered on line following related aviation observation.

FM11V: Iliii Nddff VVwwW PPPTT $N_hC_LhC_MC_H$ $T_dT_dopp$ $6P_oP_oP_oP_o$ $7RRR_{ts}$ $8N_sCh\ h_s$ $9SpSpspsp$ $2R_{24}R_{24}R_{24}R_{24}$ $3P_wP_wH_wH_w$ $d_wd_wP_wH_wH_w$ $4T_xT_xT_nT_n$

☆U.S.GPO:1980-0-665-115/1108

MF1-10B
(2-79)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: 1981 JUN 20

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

| TIME (L.S.T.) 16 | STATION PRESSURE (Ins.) 17 | DRY BULB (°F) 18 | WET BULB (°F) 19 | REL. HUMIDITY (%) 20 | TOTAL SKY COVER 21 | 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 45 | 26.530 | 83.4 | 56.4 | 16 | 0 | | | | | | | | | | | | | | | 0 | 8 | 010 | | | 00-01 |
| 01 46 | 26.530 | 79.3 | 54.1 | 17 | 0 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 45 | 26.530 | 76.0 | 52.6 | 18 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 50 | 26.545 | 76.9 | 52.5 | 16 | 0 | | | | | | | | | | | | | | | 0 | 3 | 015 | | | 03-04 |
| 04 45 | 26.555 | 74.3 | 52.0 | 19 | 0 | | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 05 46 | 26.565 | 78.8 | 54.9 | 19 | 0 | | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 06 45 | 26.575 | 85.7 | 57.6 | 16 | 0 | | | | | | | | | | | | | | | 0 | 2 | 030 | | | 06-07 |
| 07 46 | 26.585 | 88.2 | 58.5 | 15 | 0 | | | | | | | | | | | | | | | 0 | | | | | 07-08 |
| 08 46 | 26.585 | 89.9 | 59.0 | 14 | 0 | | | | | | | | | | | | | | | 0 | | | | | 08-09 |
| 09 45 | 26.585 | 92.8 | 60.8 | 14 | 0 | | | | | | | | | | | | | | | 0 | 1 | 010 | | | 09-10 |
| 10 45 | 26.585 | 96.3 | 61.9 | 12 | 0 | | | | | | | | | | | | | | | 0 | | | | | 10-11 |
| 11 45 | 26.565 | 97.8 | 62.6 | 12 | 0 | | | | | | | | | | | | | | | 0 | | | | | 11-12 |
| 12 45 | 26.555 | 100.2 | 62.8 | 10 | 0 | | | | | | | | | | | | | | | 0 | 8 | 030 | | | 12-13 |
| 13 48 | 26.530 | 102.8 | 63.1 | 9 | 0 | | | | | | | | | | | | | | | 0 | | | | | 13-14 |
| 14 50 | 26.510 | 103.5 | 63.5 | 9 | 0 | | | | | | | | | | | | | | | 0 | | | | | 14-15 |
| 15 46 | 26.505 | 103.6 | 62.7 | 8 | 0 | | | | | | | | | | | | | | | 0 | 7 | 050 | | | 15-16 |
| 16 48 | 26.490 | 103.4 | 63.7 | 9 | 0 | | | | | | | | | | | | | | | 0 | | | | | 16-17 |
| 17 47 | 26.485 | 101.7 | 62.7 | 9 | 0 | | | | | | | | | | | | | | | 0 | | | | | 17-18 |
| 18 48 | 26.485 | 98.0 | 60.9 | 9 | 0 | | | | | | | | | | | | | | | 0 | 6 | 020 | | | 18-19 |
| 19 45 | 26.490 | 93.5 | 58.4 | 9 | 0 | | | | | | | | | | | | | | | 0 | | | | | 19-20 |
| 20 46 | 26.505 | 90.6 | 57.9 | 11 | 0 | | | | | | | | | | | | | | | 0 | | | | | 20-21 |
| 21 45 | 26.515 | 91.2 | 58.5 | 11 | 0 | | | | | | | | | | | | | | | 0 | 2 | 030 | | | 21-22 |
| 22 46 | 26.525 | 88.9 | 59.2 | 15 | 0 | | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 23 47 | 26.520 | 88.3 | 57.3 | 12 | 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 | 83 | 76 | X | X | | | | | | X | | |
| | 0348 | 1 | 0 | 0 | 0 | 83 | 76 | | 0 | | | | | | | | |
| | 0942 | 2 | 0 | 0 | 0 | 93 | 74 | | 0 | | | | | | | | |
| | 1541 | 3 | 0 | 0 | 0 | 104 | 93 | | 0 | | | | | | | | |
| | 2140 | 4 | 0 | 0 | 0 | 104 | 90 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 91 | 88 | X | X | | | | | | X | | |

## STATION PRESSURE COMPUTATIONS

| TIME (L.S.T.) 59 | 0350 | 0945 | 1545 | 2144 |
|---|---|---|---|---|
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.545 | 26.585 | 26.505 | 26.515 |
| BAROGRAPH 64 | 26.540 | 26.585 | 26.510 | 26.510 |
| 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 104 | 74 | 0 | 0 | 0 | 18 | W | 1353 | | | | | 0 | 0 | | |

## WEATHER & OBSTRUCTIONS TO VISION

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

## 90. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE SUNSET

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

TIME CHECK: 2SEC SLOW @1647P 2235 2 SEC. SLOW

MF1-10B

☆ U.S. Government Printing Office: 1979—665-010/1153 Region No. 6.

MF1-10A
(10-78)

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

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: 1981 JUN 21

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

| TYPE (1) | TIME (LST) (2) | SKY AND CEILING (Hundreds of Feet) (3) | VISIBILITY (Miles) SURFACE (4) | VISIBILITY (Miles) TOWER (4a) | WEATHER AND OBSTRUCTIONS TO VISION (5) | SEA LEVEL PRESS. (Mbs.) (6) | TEMP. (°F) (7) | DEW PT. (°F) (8) | WIND DIRECTION (00-36) (9) | WIND SPEED (Kts.) (10) | WIND CHARACTER (11) | ALTIMETER SETTING (Ins.) (12) | REMARKS AND SUPPLEMENTAL CODED DATA (13) | OBSERVERS INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0048 | CLR | 20 | | | 079 | 82 | 35 | 03 | 06 | | 993 | 203 | LEF |
| SA | 0147 | CLR | 20 | | | 087 | 81 | 40 | 35 | 02 | | 995 | | LEF |
| SA | 0245 | CLR | 20 | | | 088 | 77 | 39 | 02 | 07 | | 995 | | LEF |
| SA | 0347 | CLR | 20 | | | 093 | 76 | 41 | 01 | 05 | | 996 | 110 765 RADAT 20164 | MR |
| SA | 0448 | CLR | 20 | | | 102 | 76 | 41 | 30 | 02 | | 998 | | MR |
| SA | 0549 | CLR | 20 | | | 106 | 78 | 45 | 30 | 02 | | 999 | | MR |
| SA | 0648 | CLR | 20 | | | 111 | 83 | 44 | 28 | 02 | | 001 | 117 | MR |
| SA | 0748 | CLR | 20 | | | 114 | 86 | 44 | 22 | 03 | | 002 | | MR |
| SA | 0846 | CLR | 20 | | | 110 | 90 | 44 | 24 | 04 | | 001 | | MR |
| SA | 0949 | CLR | 20 | | | 106 | 94 | 43 | 29 | 04 | | 000 | E003 75 | MR |
| SA | 1046 | CLR | 20 | | | 100 | 98 | 42 | 20 | 04 | | 998 | | MR |
| SA | 1147 | CLR | 20 | | | 092 | 102 | 42 | 24 | 06 | | 996 | | MR |
| SA | 1248 | CLR | 20 | | | 091 | 102 | 41 | 22 | 09 | | 995 | 615 1100 | MR |
| SA | 1347 | CLR | 20 | | | 081 | 105 | 39 | 28 | 08 | | 993 | CU SE | MR |
| SA | 1450 | CLR | 20 | | | 073 | 105 | 37 | 22 | 11 | G19 | 990 | CU SE | MR |
| SA | 1551 | CLR | 20 | | | 068 | 106 | 39 | 24 | 14 | G21 | 988 | 720 06 RADAT 20163 | US |
| SA | 1647 | CLR | 20 | | | 065 | 104 | 38 | 24 | 10 | G16 | 987 | | US |
| SA | 1748 | CLR | 20 | | | 065 | 105 | 38 | 23 | 12 | | 987 | | US |
| SA | 1847 | CLR | 20 | | | 064 | 99 | 36 | 24 | 08 | | 987 | 603 | US |
| SA | 1946 | CLR | 20 | | | 070 | 92 | 38 | 02 | 04 | | 988 | | US |
| SA | 2044 | CLR | 20 | | | 074 | 86 | 36 | 03 | 03 | | 990 | | US |
| SA | 2146 | CLR | 20 | | | 075 | 84 | 37 | 04 | 08 | | 990 | 308 06 | US |
| SA | 2246 | CLR | 20 | | | 074 | 83 | 35 | 04 | 09 | | 990 | | US |
| SA | 2346 | CLR | 20 | | | 073 | 84 | 37 | 01 | 06 | | 990 | | US |

A synoptic observation, in WMO code format FM11V, is entered on line following related aviation observation.

FM11V: Iliii Nddff VVwwW PPPTT $N_hC_LhC_MC_H$ $T_dT_dapp$ $6P_oP_oP_oP_o$ $7RRR_{ts}$ $8N_sCh\ h_s$ $9SpSpspsp$ $2R_{24}R_{24}R_{24}R_{24}$ $3P_wP_wH_wH_w$ $d_wd_wP_wH_wH_w$ $4T_xT_xT_nT_n$

☆U.S.GPO:1980-0-665-[illegible]5/1108

MF1-10B
(2-79)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: 1981 JUN 21

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

| TIME (L.S.T.) 16 | STATION PRESSURE (Ins.) 17 | DRY BULB (°F) 18 | WET BULB (°F) 19 | REL. HUMIDITY (%) 20 | TOTAL SKY COVER 21 | 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 | 26.525 | 81.7 | 56.5 | 19 | 0 | | | | | | | | | | | | | | | 0 | 2 | .010 | | | 00-01 |
| 01 47 | 26.545 | 81.3 | 58.0 | 23 | 0 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 45 | 26.545 | 77.0 | 55.8 | 25 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 47 | 26.555 | 76.1 | 56.2 | 28 | 0 | | | | | | | | | | | | | | | 0 | 1 | .030 | | | 03-04 |
| 04 48 | 26.580 | 76.2 | 56.4 | 29 | 0 | | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 05 49 | 26.590 | 77.6 | 58.4 | 31 | 0 | | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 06 48 | 26.605 | 82.8 | 59.9 | 26 | 0 | | | | | | | | | | | | | | | 0 | 1 | .050 | | | 06-07 |
| 07 48 | 26.610 | 85.7 | 61.0 | 24 | 0 | | | | | | | | | | | | | | | 0 | | | | | 07-08 |
| 08 46 | 26.600 | 89.5 | 62.2 | 21 | 0 | | | | | | | | | | | | | | | 0 | | | | | 08-09 |
| 09 49 | 26.595 | 93.9 | 63.3 | 17 | 0 | | | | | | | | | | | | | | | 0 | 8 | .010 | | | 09-10 |
| 10 46 | 26.580 | 98.1 | 64.2 | 15 | 0 | | | | | | | | | | | | | | | 0 | | | | | 10-11 |
| 11 47 | 26.560 | 102.0 | 65.4 | 13 | 0 | | | | | | | | | | | | | | | 0 | | | | | 11-12 |
| 12 48 | 26.550 | 101.5 | 65.2 | 13 | 0 | 0 | Cu | 90 | | | | | | | | | | | | 0 | 6 | .045 | | | 12-13 |
| 13 47 | 26.530 | 105.3 | 65.7 | 11 | 0 | | | | | | | | | | | | | | | 0 | | | | | 13-14 |
| 14 50 | 26.505 | 105.0 | 65.0 | 10 | 0 | | | | | | | | | | | | | | | 0 | | | | | 14-15 |
| 15 51 | 26.490 | 105.8 | 65.7 | 10 | 0 | | | | | | | | | | | | | | | 0 | 7 | .060 | | | 15-16 |
| 16 47 | 26.480 | 104.0 | 65.0 | 11 | 0 | | | | | | | | | | | | | | | 0 | | | | | 16-17 |
| 17 48 | 26.480 | 105.1 | 65.2 | 10 | 0 | | | | | | | | | | | | | | | 0 | | | | | 17-18 |
| 18 47 | 26.480 | 98.8 | 62.6 | 11 | 0 | | | | | | | | | | | | | | | 0 | 6 | .010 | | | 18-19 |
| 19 46 | 26.490 | 92.3 | 61.0 | 15 | 0 | | | | | | | | | | | | | | | 0 | | | | | 19-20 |
| 20 49 | 26.500 | 85.7 | 58.2 | 17 | 0 | | | | | | | | | | | | | | | 0 | | | | | 20-21 |
| 21 46 | 26.505 | 84.3 | 57.8 | 18 | 0 | | | | | | | | | | | | | | | 0 | 3 | .025 | | | 21-22 |
| 22 46 | 26.505 | 82.7 | 56.8 | 18 | 0 | | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 23 46 | 26.505 | 83.5 | 57.7 | 19 | 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 | | 0 | 0 | | 88 | 75 | | | | | | | | | | |
| | 0343 | 1 | 0 | 0 | 0 | 91 | 75 | | 0 | | | | | | | | |
| | 0944 | 2 | 0 | 0 | 0 | 95 | 75 | | 0 | | | | | | | | |
| | 1543 | 3 | 0 | 0 | 0 | 106 | 94 | | 0 | | | | | | | | |
| | 2140 | 4 | 0 | 0 | 0 | 106 | 84 | | 0 | | | | | | | | |
| | MID. | | 0 | 0 | 0 | 84 | 82 | | | | | | | | | | |

STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0346 | 0948 | 1550 | 2145 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.555 | 26.595 | 26.490 | 26.505 |
| BAROGRAPH 64 | 26.550 | 26.595 | 26.500 | 26.510 |
| BAR. CORR. 65 | +.005 | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 106 | 75 | 0 | 0 | 0 | 21 | SW | 1545 | | | | | 0 | 0 | | |

WEATHER & OBSTRUCTIONS TO VISION

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

90. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE SUNSET

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

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

TIME CHECK: CLOCK 2 SEC SLOW AT 0351P

*BAROGRAPH CHANGED AND RESET TO ZERO CORR.

1655P 2 SEC SLOW

MF1-10B

☆ U.S. Government Printing Office: 1979—665-010/1153 Region No. 6.

MF1-10A (10-78)

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

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: 1981 JUN 22

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

| TYPE (1) | TIME (LST) (2) | SKY AND CEILING (Hundreds of Feet) (3) | VISIBILITY (Miles) SURFACE (4) | VISIBILITY (Miles) TOWER (4a) | WEATHER AND OBSTRUCTIONS TO VISION (5) | SEA LEVEL PRESS. (Mbs.) (6) | TEMP. (°F) (7) | DEW PT. (°F) (8) | WIND DIRECTION (00-36) (9) | WIND SPEED (Kts.) (10) | WIND CHARACTER (11) | ALTIMETER SETTING (Ins.) (12) | REMARKS AND SUPPLEMENTAL CODED DATA (13) | OBSERVER'S INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0050 | CLR | 20 | | | 075 | 81 | 39 | 01 | 07 | | 991 | 302 | LS |
| SA | 0150 | CLR | 20 | | | 074 | 79 | 39 | 33 | 03 | | 991 | | LS |
| SA | 0249 | CLR | 20 | | | 075 | 79 | 38 | 04 | 06 | | 991 | | LS |
| SA | 0348 | CLR | 20 | | | 081 | 76 | 36 | 06 | 04 | | 992 | 305 76 RADAT 35155 | MR |
| SA | 0445 | CLR | 20 | | | 085 | 76 | 37 | 10 | 02 | | 993 | | MR |
| SA | 0550 | CLR | 20 | | | 087 | 78 | 40 | 18 | 02 | | 995 | | MR |
| SA | 0649 | CLR | 20 | | | 089 | 87 | 37 | 34 | 05 | | 995 | 108 | MR |
| SA | 0747 | CLR | 20 | | | 092 | 91 | 39 | 28 | 04 | | 996 | | MR |
| SA | 0847 | CLR | 20 | | | 093 | 93 | 38 | 24 | 05 | | 996 | | MR |
| SA | 0950 | CLR | 20 | | | 091 | 94 | 40 | 21 | 07 | | 995 | 000 1100 75 | MR |
| SA | 1045 | CLR | 20 | | | 084 | 98 | 40 | 25 | 08 | | 993 | Cu N AND SE | MR |
| SA | 1151 | CLR | 20 | | | 080 | 102 | 40 | 25 | 10 | | 992 | Cu N AND SE | MR |
| SA | 1244 | CLR | 20 | | | 074 | 103 | 40 | 25 | 13 | G17 | 991 | 714 1100 | MR |
| SA | 1344 | CLR | 20 | | | 065 | 104 | 39 | 31 | 04 | G17 | 988 | Cu NW-NE AND SE | MR |
| SA | 1449 | CLR | 20 | | | 058 | 105 | 39 | 25 | 07 | G15 | 986 | Cu NW-NE AND SE | MR |
| SA | 1546 | CLR | 20 | | | 050 | 105 | 39 | 26 | 11 | G21 | 984 | 722 1100 05 RADAT 25157 | LS |
| SA | 1646 | CLR | 20 | | | 046 | 104 | 35 | 22 | 13 | G18 | 982 | | LS |
| SA | 1750 | CLR | 20 | | | 044 | 101 | 31 | 20 | 08 | | 982 | | LS |
| SA | 1850 | CLR | 20 | | | 041 | 98 | 31 | 20 | 12 | | 982 | 607 ~~E~~ 1400 | LS |
| SA | 1949 | CLR | 20 | | | 044 | 93 | 31 | 19 | 04 | | 982 | FEW SC AND CI W | LS |
| SA | 2048 | CLR | 20 | | | 045 | 90 | 28 | 06 | 04 | | 982 | | LS |
| SA | 2148 | CLR | 20 | | | 052 | 88 | 33 | 06 | 04 | | 984 | 308 05 | LS |
| SA | 2248 | CLR | 20 | | | 051 | 91 | 36 | 14 | 05 | | 985 | | LS |
| SA | 2348 | CLR | 20 | | | 049 | 86 | 33 | 35 | 03 | | 984 | | LS |

A synoptic observation, in WMO code format FM11Y, is entered on line following related aviation observation.

FM11V: Iliii Nddff VVwwW PPPTT $N_hC_LhC_MC_H$ $T_dT_dapp$ $6P_oP_oP_oP_o$ $7RRR_{ts}$ $8N_sCh\ h_s$ $9S_pS_ps_ps_p$ $2R_{24}R_{24}R_{24}R_{24}$ $3P_wP_wH_wH_w$ $d_wd_wP_wH_wH_w$ $4T_xT_xT_nT_n$

☆U.S.GPO:1980-0-665-115/1108

MF1-10B
(2-79)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION WSMO, DESERT ROCK, NV

DATE 1981 JUN 22

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

| TIME (L.S.T.) 16 | STATION PRESSURE (Ins.) 17 | DRY BULB (°F) 18 | WET BULB (°F) 19 | REL. HUMIDITY (%) 20 | TOTAL SKY COVER 21 | LOWEST LAYER AMT. 22 | LOWEST LAYER TYPE 23 | LOWEST LAYER HEIGHT 24 | SECOND LAYER AMT. 25 | SECOND LAYER TYPE 26 | SECOND LAYER HEIGHT 27 | SUMMATION TOTAL 28 | THIRD LAYER AMT. 29 | THIRD LAYER TYPE 30 | THIRD LAYER HEIGHT 31 | SUMMATION TOTAL 32 | FOURTH LAYER AMT. 33 | FOURTH LAYER TYPE 34 | FOURTH LAYER HEIGHT 35 | TOTAL OPAQUE SKY COVER 36 | PRESSURE TENDENCY 37 | NET 3-HR. CHANGE (Ins.) 38 | SUNSHINE (Min.) 39 | PRECIPITATION (Ins.) 40 | HR. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00 50 | 26.510 | 81.2 | 57.4 | 22 | 0 | | | | | | | | | | | | | | | 0 | 3 | 005 | | | 00-01 |
| 01 50 | 26.510 | 79.4 | 56.8 | 24 | 0 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 48 | 26.510 | 78.6 | 56.0 | 23 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 48 | 26.525 | 75.5 | 54.3 | 24 | 0 | | | | | | | | | | | | | | | 0 | 3 | .015 | | | 03-04 |
| 04 45 | 26.535 | 75.8 | 54.7 | 24 | 0 | | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 05 50 | 26.545 | 78.4 | 56.7 | 25 | 0 | | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 06 49 | 26.550 | 86.6 | 58.9 | 17 | 0 | | | | | | | | | | | | | | | 0 | 1 | .025 | | | 06-07 |
| 07 47 | 26.555 | 91.0 | 60.8 | 16 | 0 | | | | | | | | | | | | | | | 0 | | | | | 07-08 |
| 08 47 | 26.555 | 92.8 | 61.4 | 15 | 0 | | | | | | | | | | | | | | | 0 | | | | | 08-09 |
| 09 50 | 26.550 | 94.3 | 62.3 | 15 | 0 | 0 | Cu | 100 | | | | | | | | | | | | 0 | 0 | .000 | | | 09-10 |
| 10 45 | 26.535 | 98.4 | 63.8 | 14 | 0 | | | | | | | | | | | | | | | 0 | | | | | 10-11 |
| 11 51 | 26.525 | 102.0 | 65.0 | 12 | 0 | | | | | | | | | | | | | | | 0 | | | | | 11-12 |
| 12 44 | 26.510 | 103.0 | 65.1 | 12 | 0 | 0 | Cu | 100 | | | | | | | | | | | | 0 | 7 | .040 | | | 12-13 |
| 13 44 | 26.485 | 103.9 | 65.3 | 11 | 0 | | | | | | | | | | | | | | | 0 | | | | | 13-14 |
| 14 49 | 26.465 | 104.7 | 65.3 | 11 | 0 | | | | | | | | | | | | | | | 0 | | | | | 14-15 |
| 15 46 | 26.445 | 105.3 | 65.9 | 11 | 0 | 0 | Cu | 100 | | | | | | | | | | | | 0 | 7 | 065 | | | 15-16 |
| 16 46 | 26.430 | 103.5 | 64.0 | 10 | 0 | | | | | | | | | | | | | | | 0 | | | | | 16-17 |
| 17 50 | 26.425 | 101.3 | 62.3 | 9 | 0 | | | | | | | | | | | | | | | 0 | | | | | 17-18 |
| 18 50 | 26.425 | 98.0 | 61.2 | 10 | 0 | 0 | Sc | 100 | | | | | | | | | | | | 0 | 6 | 020 | | | 18-19 |
| 19 49 | 26.430 | 93.2 | 59.5 | 11 | 0 | | | | | | | | | | | | | | | 0 | | | | | 19-20 |
| 20 48 | 26.430 | 90.4 | 57.8 | 11 | 0 | | | | | | | | | | | | | | | 0 | | | | | 20-21 |
| 21 48 | 26.450 | 88.4 | 58.2 | 14 | 0 | | | | | | | | | | | | | | | 0 | 3 | 025 | | | 21-22 |
| 22 48 | 26.455 | 91.4 | 60.2 | 14 | 0 | | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 23 48 | 26.445 | 86.0 | 57.5 | 15 | 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 03 43 | X | 0 | 0 | X | 84 | 76 | X | X | | | | | | X | | |
| | 0343 | 1 | 0 | 0 | 0 | 84 | 76 | | 0 | | | | | | | | |
| | 0943 | 2 | 0 | 0 | 0 | 95 | 75 | | 0 | | | | | | | | |
| | 1542 | 3 | 0 | 0 | 0 | 105 | 94 | | 0 | | | | | | | | |
| | 2142 | 4 | 0 | 0 | 0 | 105 | 88 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 92 | 86 | X | X | | | | | | X | | |

STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0347 | 0949 | 1546 | 2147 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.525 | 26.550 | 26.445 | 26.450 |
| BAROGRAPH 64 | 26.525 | 26.550 | 26.450 | 26.450 |
| BAR. CORR. 65 | 0 | 0 | -.005 | ±0 |

SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

| 24-HR. MAX. TEMP. (°F) 66 | 24-HR. MIN. TEMP. (°F) 67 | 24-HR. PRECIP. WATER EQUIV. (Ins.) 68 | 24-HR. SNOWFALL 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 105 | 75 | 0 | 0 | 0 | 21 | W | 1537 | | | | | 0 | 0 | | |

WEATHER & OBSTRUCTIONS TO VISION

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

90. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE SUNSET

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

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

TIME CHECK: CLOCK 0449P ON TIME
1916P 1 SEC SLOW

MF1-10B

☆ U.S. Government Printing Office: 1979—665-010/1153 Region No. 6.

MF1-10A
(10-78)

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

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: 1981 JUN 23

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

| TYPE (1) | TIME (LST) (2) | SKY AND CEILING (Hundreds of Feet) (3) | VISIBILITY (Miles) SURFACE (4) | VISIBILITY (Miles) TOWER (4a) | WEATHER AND OBSTRUCTIONS TO VISION (5) | SEA LEVEL PRESS. (Mbs.) (6) | TEMP. (°F) (7) | DEW PT. (°F) (8) | WIND DIRECTION (00-36) 9 | WIND SPEED (Kts.) (10) | WIND CHARACTER (11) | ALTIM. ETER SET-TING (Ins.) (12) | REMARKS AND SUPPLEMENTAL CODED DATA (13) | OB. SERVERS INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0050 | CLR | 20 | | | 050 | 82 | 39 | 02 | 06 | | 984 | 602 | US |
| SA | 0145 | CLR | 20 | | | 051 | 81 | 39 | 36 | 11 | | 984 | | US |
| SA | 0245 | CLR | 20 | | | 060 | 79 | 39 | 35 | 03 | | 986 | | US |
| SA | 0349 | 300 - SCT | 20 | | | 060 | 76 | 37 | 02 | 02 | | 986 | 108 1056 76 RADAT | MR |
| | | | | | | | | | | | | | 47152 | |
| SA | 0446 | 300 - SCT | 20 | | | 070 | 74 | 38 | 02 | 04 | | 988 | AC NW | MR |
| SA | 0548 | 300 - BKN | 20 | | | 074 | 81 | 41 | 36 | 02 | | 990 | Ac N | MR |
| SA | 0648 | 300 - BKN | 20 | | | 077 | 84 | 40 | 00 | 00 | | 991 | 115 1004 | MR |
| SA | 0747 | 300 - BKN | 20 | | | 080 | 88 | 42 | 20 | 04 | | 992 | | MR |
| SA | 0848 | 300 - BKN | 20 | | | 077 | 91 | 43 | 22 | 05 | | 991 | | MR |
| SA | 0949 | 300 - BKN | 20 | | | 073 | 94 | 42 | 22 | 04 | | 990 | 803 1002 74 | MR |
| SA | 1046 | 300 SCT | 20 | | | 064 | 99 | 41 | 03 | 04 | | 988 | | MR |
| SA | 1147 | E 300 BKN | 20 | | | 060 | 102 | 37 | 20 | 04 | | 987 | Cu SE | MR |
| SA | 1245 | E 300 BKN | 20 | | 0S7 | 064 | 102 | 39 | 22 | 06 | | 986 | 7214 1102 | MR |
| SA | 1347 | E 300 BKN | 20 | | | 054 | 102 | 40 | 24 | 10 | | 985 | CU NW-NE AND SE | MR |
| SA | 1451 | 300 - BKN | 20 | | | 048 | 104 | 39 | 27 | 08 | | 983 | CU NW-NE AND SE | MR |
| SA | 1549 | 300 - SCT | 20 | | | 046 | 104 | 39 | 30 | 06 | G14 | 982 | 712 1101 05 RADAT 31156 | US |
| SA | 1647 | 300 SCT | 20 | | | 043 | 104 | 39 | 23 | 09 | | 981 | CU SE | US |
| SA | 1749 | 300 SCT | 20 | | | 039 | 102 | 39 | 27 | 08 | | 981 | | US |
| SA | 1849 | CLR | 20 | | | 041 | 99 | 40 | 25 | 08 | | 981 | 503 1401 | US |
| SA | 1948 | CLR | 20 | | | 044 | 95 | 41 | 19 | 07 | | 982 | | US |
| SA | 2049 | CLR | 20 | | | 053 | 89 | 39 | 08 | 02 | | 984 | | US |
| SA | 2150 | CLR | 20 | | | 059 | 89 | 39 | 24 | 09 | | 986 | 315 1001 05 | US |
| SA | 2250 | CLR | 20 | | | 056 | 89 | 42 | 03 | 04 | | 986 | | US |
| SA | 2350 | CLR | 20 | | | 056 | 86 | 42 | 20 | 03 | | 986 | | US |

A synoptic observation, in WMO code format FM11V, is entered on line following related aviation observation.

FM11V: Iliii Nddff VVwwW PPPTT $N_hC_LhC_MC_H$ $T_dT_dapp$ $6P_oP_oP_oP_o$ $7RRR_{ts}$ $8N_sCh\ h_s$ $9S_pS_pS_pS_p$ $2R_{24}R_{24}R_{24}R_{24}$ $3P_wP_wH_wH_w$ $d_wd_wP_wH_wH_w$ $4T_xT_xT_nT_n$

☆U.S.GPO:1980-0-665-115/1108

MF1-10B
(2-79)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

# SURFACE WEATHER OBSERVATIONS

STATION WSMO, DESERT ROCK, NV

DATE 1981 JUN 28

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

| TIME (L.S.T.) 16 | STATION PRESSURE (Ins.) 17 | DRY BULB (°F) 18 | WET BULB (°F) 19 | REL. HUMIDITY (%) 20 | TOTAL SKY COVER 21 | 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 | 26.445 | 82.0 | 57.8 | 22 | 0 | | | | | | | | | | | | | | | 0 | 6 | .005 | | | 00-01 |
| 01 45 | 26.450 | 80.5 | 57.2 | 23 | 0 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 45 | 26.470 | 79.0 | 56.7 | 24 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 49 | 26.470 | 75.5 | 54.7 | 25 | 2 | 0 | Ac | 140 | 2 | Ci | 300 | 2 | | | | | | | | 0 | 1 | .025 | | | 03-04 |
| 04 46 | 26.490 | 74.1 | 54.4 | 27 | 2 | | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 05 48 | 26.505 | 80.6 | 58.0 | 25 | 6 | | | | | | | | | | | | | | | 1 | | | | | 05-06 |
| 06 48 | 26.515 | 84.1 | 59.0 | 21 | 8 | 8 | Ci | 300 | | | | | | | | | | | | 2 | 1 | .045 | | | 06-07 |
| 07 47 | 26.525 | 87.8 | 60.9 | 20 | 8 | | | | | | | | | | | | | | | 2 | | | | | 07-08 |
| 08 48 | 26.515 | 91.0 | 62.3 | 19 | 7 | | | | | | | | | | | | | | | 2 | | | | | 08-09 |
| 09 49 | 26.505 | 94.1 | 62.9 | 16 | 6 | 6 | Ci | 300 | | | | | | | | | | | | 3 | 8 | .010 | | | 09-10 |
| 10 46 | 26.490 | 99.2 | 64.4 | 14 | 5 | | | | | | | | | | | | | | | 3 | | | | | 10-11 |
| 11 47 | 26.475 | 101.6 | 64.0 | 11 | 6 | | | | | | | | | | | | | | | 4 | | | | | 11-12 |
| 12 45 | 26.465 | 102.1 | 64.5 | 11 | 8 | 0 | Cu | 90 | 8 | Ci | E300 | 8 | | | | | | | | 5 | 7 | .040 | | | 12-13 |
| 13 47 | 26.455 | 102.4 | 65.0 | 12 | 7 | | | | | | | | | | | | | | | 4 | | | | | 13-14 |
| 14 51 | 26.440 | 103.9 | 65.2 | 11 | 8 | | | | | | | | | | | | | | | 4 | | | | | 14-15 |
| 15 49 | 26.430 | 103.8 | 65.1 | 11 | 5 | 0 | Cu | 90 | 5 | Ci | 300 | 5 | | | | | | | | 2 | 7 | .035 | | | 15-16 |
| 16 47 | 26.420 | 103.7 | 65.1 | 11 | 1 | | | | | | | | | | | | | | | 1 | | | | | 16-17 |
| 17 49 | 26.415 | 102.0 | 64.6 | 12 | 1 | | | | | | | | | | | | | | | 1 | | | | | 17-18 |
| 18 49 | 26.420 | 98.9 | 63.8 | 13 | 0 | 0 | Sc | 90 | 0 | Ci | 300 | 0 | | | | | | | | 0 | 5 | .010 | | | 18-19 |
| 19 48 | 26.430 | 94.5 | 62.8 | 16 | 0 | | | | | | | | | | | | | | | 0 | | | | | 19-20 |
| 20 49 | 26.450 | 89.0 | 60.2 | 17 | 0 | | | | | | | | | | | | | | | 0 | | | | | 20-21 |
| 21 50 | 26.465 | 88.7 | 60.0 | 17 | 0 | 0 | Ci | 300 | | | | | | | | | | | | 0 | 3 | .045 | | | 21-22 |
| 22 50 | 26.465 | 89.3 | 61.5 | 19 | 0 | | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 23 50 | 26.465 | 86.0 | 60.3 | 21 | 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 | 86 | 76 | X | X | | | | | | X | | |
| | 0343 | 1 | 0 | 0 | 0 | 92 | 76 | | 0 | | | | | | | | |
| | 0943 | 2 | 0 | 0 | 0 | 94 | 74 | | 0 | | | | | | | | |
| | 1542 | 3 | 0 | 0 | 0 | 105 | 94 | | 0 | | | | | | | | |
| | 2142 | 4 | 0 | 0 | 0 | 104 | 87 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 90 | 86 | X | X | | | | | | X | | |

## STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0347 | 0948 | 1548 | 2149 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.470 | 26.505 | 26.430 | 26.465 |
| BAROGRAPH 64 | 26.475 | 26.505 | 26.430 | 26.465 |
| 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 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 105 | 74 | 0 | 0 | 0 | 19 | SW | 1335 | | | | | 5 | 3 | | |

## WEATHER & OBSTRUCTIONS TO VISION

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

## 90. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE SUNSET

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

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

TIME CHECK: CLOCK 2 SEC SLOW AT 0352P
1955P 2 SEC SLOW

MF1-10B

MF1-10A
(10-78)

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

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO. DESERT ROCK. NV

DATE: 1981 JUN 24

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

| TYPE (1) | TIME (LST) (2) | SKY AND CEILING (Hundreds of Feet) (3) | VISIBILITY (Miles) SURFACE (4) | VISIBILITY (Miles) TOWER (4a) | WEATHER AND OBSTRUCTIONS TO VISION (5) | SEA LEVEL PRESS. (Mbs.) (6) | TEMP. (°F) (7) | DEW PT. (°F) (8) | WIND DIRECTION (00-36) (9) | WIND SPEED (Kts.) (10) | WIND CHARACTER (11) | ALTIMETER SETTING (Ins.) (12) | REMARKS AND SUPPLEMENTAL CODED DATA (13) | OBSERVER'S INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0051 | CLR | 20 | | | 057 | 85 | 42 | 31 | 02 | | 986 | 400 | US |
| SA | 0150 | CLR | 20 | | | 059 | 84 | 41 | 03 | 06 | | 987 | | US |
| SA | 0249 | CLR | 20 | | | 061 | 80 | 42 | 05 | 09 | | 987 | | US |
| SA | 0345 | CLR | 20 | | | 066 | 80 | 40 | 05 | 06 | | 988 | 308 79 RADAT 48153 | JD |
| SA | 0446 | CLR | 20 | | | 075 | 79 | 39 | 07 | 05 | | 991 | | JD |
| SA | 0548 | CLR | 20 | | | 082 | 84 | 41 | 04 | 05 | | 993 | | JD |
| SA | 0646 | CLR | 20 | | | 086 | 89 | 41 | 07 | 04 | | 995 | 219 | JD |
| SA | 0746 | CLR | 20 | | | 088 | 92 | 41 | 32 | 02 | | 995 | | JD |
| SA | 0847 | CLR | 20 | | | 091 | 95 | 41 | 22 | 04 | | 996 | | JD |
| SA | 0950 | CLR | 20 | | | 086 | 101 | 39 | 23 | 13 | | 995 | 000 1030 78 | JD |
| SA | 1046 | CLR | 20 | | | 088 | 101 | 41 | 19 | 17 | | 995 | | JD |
| SA | 1150 | CLR | 20 | | | 083 | 102 | 39 | 21 | 12 G 25 | | 994 | | JD |
| SA | 1249 | CLR | 20 | | | 081 | 103 | 39 | 23 | 17 G 29 | | 993 | 805 1100 | JD |
| SA | 1346 | CLR | 20 | | | 079 | 103 | 35 | 22 | 17 G 27 | | 993 | | JD |
| SA | 1450 | CLR | 20 | | | 079 | 103 | 35 | 20 | 14 G 22 | | 992 | | JD |
| SA | 1549 | CLR | 20 | | | 076 | 103 | 33 | 18 | 10 G 18 | | 991 | 707 1100 05 RADAT 20154 | US |
| SA | 1646 | CLR | 20 | | | 071 | 103 | 33 | 21 | 10 G 21 | | 990 | | US |
| SA | 1749 | CLR | 20 | | | 070 | 100 | 33 | 21 | 09 | | 990 | | US |
| SA | 1848 | CLR | 20 | | | 072 | 98 | 31 | 21 | 13 | | 991 | K LYR SE/502 | US |
| SA | 1952 | CLR | 20 | | | 080 | 93 | 25 | 25 | 04 | | 993 | K LYR SE | US |
| SA | 2050 | 140 SCT | 20 | | | 087 | 90 | 31 | 23 | 08 | | 995 | K140 SCT | US |
| SA | 2146 | 140 SCT | 20 | | | 091 | 86 | 30 | 23 | 03 | | 996 | K140 SCT/317 05 | US |
| SA | 2246 | CLR | 20 | | | 093 | 84 | 32 | 36 | 03 | | 996 | K SE AND OVHD | US |
| SA | 2350 | CLR | 20 | | | 092 | 85 | 29 | 27 | 02 | | 996 | | US |

A synoptic observation, in WMO code format FM11V, is entered on line following related aviation observation.

FM11V: IIiii Nddff VVwwW PPPTT $N_hC_LhC_MC_H$ $T_dT_dapp$ $6P_oP_oP_oP_o$ $7RRR_{ts}$ $8N_sCh$ $h_s$ $9SpSpspsp$ $2R_{24}R_{24}R_{24}R_{24}$ $3P_wP_wH_wH_w$ $d_wd_wP_wH_wH_w$ $4T_xT_xT_nT_n$

☆U.S.GPO:1980-0-665-115/1108

MF1-10B
(2-79)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION WSMO, DESERT ROCK, NV

DATE 1981 JUN 2

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

| TIME (L.S.T.) 16 | STATION PRESSURE (Ins.) 17 | DRY BULB (°F) 18 | WET BULB (°F) 19 | REL. HUMIDITY (%) 20 | TOTAL SKY COVER 21 | LOWEST LAYER AMT. 22 | LOWEST LAYER TYPE 23 | LOWEST LAYER HEIGHT 24 | SECOND LAYER AMT. 25 | SECOND LAYER TYPE 26 | SECOND LAYER HEIGHT 27 | SUMMATION TOTAL 28 | THIRD LAYER AMT. 29 | THIRD LAYER TYPE 30 | THIRD LAYER HEIGHT 31 | SUMMATION TOTAL 32 | FOURTH LAYER AMT. 33 | FOURTH LAYER TYPE 34 | FOURTH LAYER HEIGHT 35 | TOTAL OPAQUE SKY COVER 36 | PRESSURE TENDENCY 37 | NET 3-HR. CHANGE (Ins.) 38 | SUNSHINE (Min.) 39 | PRECIPITATION (Ins.) 40 | HR. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00 51 | 26.465 | 85.0 | 59.8 | 22 | 0 | | | | | | | | | | | | | | | 0 | 4 | 000 | | | 00-01 |
| 01 50 | 26.470 | 84.2 | 59.2 | 22 | 0 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 49 | 26.475 | 80.0 | 58.2 | 26 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 45 | 26.490 | 80.3 | 57.4 | 24 | 0 | | | | | | | | | | | | | | | 0 | 3 | .025 | | | 03-04 |
| 04 46 | 26.510 | 79.2 | 56.7 | 24 | 0 | | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 05 48 | 26.530 | 83.8 | 59.1 | 22 | 0 | | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 06 46 | 26.545 | 88.8 | 60.9 | 19 | 0 | | | | | | | | | | | | | | | 0 | 2 | .055 | | | 06-07 |
| 07 46 | 26.550 | 92.2 | 61.9 | 17 | 0 | | | | | | | | | | | | | | | 0 | | | | | 07-08 |
| 08 47 | 26.555 | 94.7 | 62.7 | 15 | 0 | | | | | | | | | | | | | | | 0 | | | | | 08-09 |
| 09 50 | 26.545 | 100.6 | 64.3 | 12 | 0 | 0 | AC | 120 | | | | | | | | | | | | 0 | 0 | .000 | | | 09-10 |
| 10 46 | 26.550 | 100.8 | 65.0 | 13 | 0 | | | | | | | | | | | | | | | 0 | | | | | 10-11 |
| 11 50 | 26.535 | 101.8 | 64.7 | 12 | 0 | | | | | | | | | | | | | | | 0 | | | | | 11-12 |
| 12 49 | 26.530 | 102.5 | 64.7 | 11 | 0 | 0 | CU | 100 | | | | | | | | | | | | 0 | 8 | .015 | | | 12-13 |
| 13 46 | 26.525 | 103.1 | 63.9 | 10 | 0 | | | | | | | | | | | | | | | 0 | | | | | 13-14 |
| 14 50 | 26.520 | 102.5 | 63.6 | 10 | 0 | | | | | | | | | | | | | | | 0 | | | | | 14-15 |
| 15 49 | 26.510 | 102.6 | 63.3 | 9 | 0 | 0 | CU | 100 | | | | | | | | | | | | 0 | 7 | 020 | | | 15-16 |
| 16 46 | 26.500 | 103.0 | 63.3 | 9 | 0 | | | | | | | | | | | | | | | 0 | | | | | 16-17 |
| 17 49 | 26.500 | 100.3 | 62.5 | 10 | 0 | | | | | | | | | | | | | | | 0 | | | | | 17-18 |
| 18 48 | 26.505 | 97.6 | 61.0 | 10 | 0 | | | | | | | | | | | | | | | 0 | 5 | 005 | | | 18-19 |
| 19 52 | 26.525 | 93.4 | 58.3 | 9 | 0 | | | | | | | | | | | | | | | 0 | | | | | 19-20 |
| 20 50 | 26.545 | 89.5 | 58.1 | 12 | 40 | 4 | TCU | 120 | | | | | | | | | | | | 3 | | | | | 20-21 |
| 21 46 | 26.555 | 86.4 | 56.7 | 13 | 2 | 2 | K | 140 | | | | | | | | | | | | 2 | 3 | 050 | | | 21-22 |
| 22 46 | 26.560 | 84.0 | 56.4 | 15 | 0 | | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 23 50 | 26.560 | 85.0 | 56.0 | 13 | 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 0340 | X | 0 | 0 | X | 86 | 79 | X | X | | | | | | X | | |
| | 0340 | 1 | 0 | 0 | 0 | 90 | 79 | | 0 | | | | | | | | |
| | 0946 | 2 | 0 | 0 | 0 | 101 | 78 | | 0 | | | | | | | | |
| | 1542 | 3 | 0 | 0 | 0 | 105 | 108 | | 0 | | | | | | | | |
| | 2140 | 4 | 0 | 0 | 0 | 104 | 86 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 87 | 82 | X | X | | | | | | X | | |

STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0344 | 0949 | 1548 | 2145 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.490 | 26.545 | 26.510 | 26.555 |
| BAROGRAPH 64 | 26.490 | 26.545 | 26.520 | 26.565 |
| 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 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 105 | 78 | 0 | 0 | 0 | 30 | S | 1213 | | | | | 0 | 0 | | |

WEATHER & OBSTRUCTIONS TO VISION

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

90. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE SUNSET

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

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

TIME CHECK: 0519P 2 SEC SLOW

1909P 2 SEC SLOW

MF1-10B

MF1-10A (10-78)

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

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: 1981 JUN 25

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

| TYPE (1) | TIME (LST) (2) | SKY AND CEILING (Hundreds of Feet) (3) | VISIBILITY (Miles) SURFACE (4) | VISIBILITY (Miles) TOWER (4a) | WEATHER AND OBSTRUCTIONS TO VISION (5) | SEA LEVEL PRESS. (Mbs.) (6) | TEMP. (°F) (7) | DEW PT. (°F) (8) | WIND DIRECTION (00-36) (9) | WIND SPEED (Kts.) (10) | WIND CHARACTER (11) | ALTIMETER SETTING (Ins.) (12) | REMARKS AND SUPPLEMENTAL CODED DATA (13) | OB. SENDERS INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0049 | CLR | 20 | | | 093 | 90 | 31 | 09 | 05 | | 997 | 305 | LB |
| SA | 0146 | CLR | 20 | | | 094 | 89 | 34 | 10 | 03 | | 997 | | LB |
| SA | 0245 | CLR | 20 | | | 097 | 79 | 30 | 13 | 03 | | 997 | | LB |
| SA | 0346 | CLR | 20 | | | 100 | 74 | 29 | 03 | 06 | | 997 | 400 74 RADAT 28154 | JD |
| SA | 0447 | CLR | 20 | | | 106 | 77 | 30 | 05 | 04 | | 999 | | JD |
| SA | 0547 | CLR | 20 | | | 111 | 78 | 32 | 13 | 02 | | 001 | | JD |
| SA | 0647 | CLR | 20 | | | 115 | 82 | 33 | 20 | 02 | | 003 | 315 1031 | JD |
| SA | 0748 | CLR | 20 | | | 117 | 90 | 36 | 23 | 04 | | 004 | | JD |
| SA | 0847 | CLR | 20 | | | 115 | 96 | 36 | 22 | 12 | G21 | 003 | | JD |
| SA | 0948 | CLR | 20 | | | 118 | 98 | 37 | 22 | 10 | G23 | 004 | 203 74 | JD |
| SA | 1047 | CLR | 20 | | | 119 | 99 | 36 | 22 | 12 | G21 | 004 | | JD |
| SA | 1148 | CLR | 20 | | | 111 | 100 | 35 | 19 | 10 | G21 | 002 | K LYR NE-SE | JD |
| SA | 1249 | 60 SCT 170 SCT | 20 | | | 106 | 101 | 35 | 23 | 17 | | 001 | K60 SCT 808 1050 | JD |
| SA | 1347 | 60 SCT 100 SCT 170 SCT | 20 | | | 103 | 101 | 34 | 22 | 14 | | 999 | K60 SCT | JD |
| SA | 1450 | 60 SCT 100 SCT 170 SCT | 20 | | | 097 | 104 | 35 | 23 | 12 | G23 | 997 | K60 SCT | JD |
| SA | 1550 | 160 SCT | 20 | | | 098 | 102 | 34 | 22 | 10 | G20 | 997 | K DSNT SE-NE 612 | / |
| / | / | / | / | | | / | / | / | / | / | / | / | 1070 04 RADAT 55159 | WRC |
| SA | 1650 | 160 SCT | 20 | | | 090 | 101 | 35 | 18 | 14 | | 995 | K OVR MTNS SE THRU NE | WRC |
| SA | 1750 | CLR | 20 | | | 092 | 100 | 31 | 24 | 07 | | 995 | K OVR MTNS SE THRU NE | WRC |
| SA | 1850 | CLR | 20 | | | 097 | 97 | 29 | 24 | 09 | | 997 | K OVR MTNS SE THRU NE 500 | WRC |
| SA | 1950 | CLR | 20 | | | 099 | 90 | 30 | 20 | 05 | | 998 | K OVR MTNS DSNT SE | WRC |
| SA | 2050 | 160 SCT | 20 | | | 104 | 87 | 30 | 22 | 04 | | 999 | K OVR MTNS DSNT SE | WRC |
| SA | 2150 | 160 SCT | 20 | | | 109 | 83 | 31 | 07 | 07 | | 001 | K OVR MTNS DSNT SE 212 | — |
| / | / | / | / | | | / | / | / | / | / | | / | 1070 04 | WRC |
| SA | 2250 | 160 SCT | 20 | | | 108 | 86 | 31 | 28 | 04 | | 001 | WND DIR VRBL, K DSNT SE | WRC |
| SA | 2350 | 160 SCT | 20 | | | 104 | 88 | 29 | 32 | 05 | | 000 | | WRC |

A synoptic observation, in WMO code format FM11V, is entered on line following related aviation observation.

FM11V: IIiii Nddff VVwwW PPPTT $N_hC_LhC_MC_H$ $T_dT_dapp$ $6P_oP_oP_oP_o$ $7RRR_{ts}$ $8N_sCh\ h_s$ $9S_pS_pS_pS_p$ $2R_{24}R_{24}R_{24}R_{24}$ $3P_wP_wH_wH_w$ $d_wd_wP_wH_wH_w$ $4T_xT_xT_nT_n$

☆U.S.GPO:1980-0-665-115/1108

MF1-10B
(2-79)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: WSMO DESERT ROCK, NV

DATE: 1981 JUN 25

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

| TIME (L.S.T.) 16 | STATION PRESSURE (Ins.) 17 | DRY BULB (°F) 18 | WET BULB (°F) 19 | REL. HUMIDITY (%) 20 | TOTAL SKY COVER 21 | LOWEST LAYER AMT. 22 | LOWEST LAYER TYPE 23 | LOWEST LAYER HEIGHT 24 | SECOND LAYER AMT. 25 | SECOND LAYER TYPE 26 | SECOND LAYER HEIGHT 27 | SUMMATION TOTAL 28 | THIRD LAYER AMT. 29 | THIRD LAYER TYPE 30 | THIRD LAYER HEIGHT 31 | SUMMATION TOTAL 32 | FOURTH LAYER AMT. 33 | FOURTH LAYER TYPE 34 | FOURTH LAYER HEIGHT 35 | TOTAL OPAQUE SKY COVER 36 | PRESSURE TENDENCY 37 | NET 3-HR. CHANGE (Ins.) 38 | SUNSHINE (Min.) 39 | PRECIPITATION (Ins.) 40 | HR. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0049 | 26.570 | 90.0 | 58.4 | 12 | 0 | | | | | | | | | | | | | | | 0 | 3 | 015 | | | 00-01 |
| 0146 | 26.570 | 88.7 | 58.5 | 14 | 0 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 0245 | 26.570 | 79.2 | 54.1 | 17 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 0346 | 26.570 | 73.8 | 51.4 | 19 | 0 | | | | | | | | | | | | | | | 0 | 4 | .000 | | | 03-04 |
| 0447 | 26.590 | 76.6 | 53.0 | 15 | 0 | | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 0547 | 26.600 | 77.9 | 54.0 | 19 | 0 | | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 0647 | 26.615 | 82.1 | 55.9 | 17 | 0 | 0 | Ac | 170 | 0 | Ci | 300 | 0 | | | | | | | | 0 | 3 | .045 | | | 06-07 |
| 0748 | 26.625 | 90.4 | 59.9 | 15 | 0 | | | | | | | | | | | | | | | 0 | | | | | 07-08 |
| 0847 | 26.620 | 95.8 | 61.8 | 13 | 0 | | | | | | | | | | | | | | | 0 | | | | | 08-09 |
| 0948 | 26.625 | 97.5 | 62.6 | 12 | 0 | | | | | | | | | | | | | | | 0 | 2 | .010 | | | 09-10 |
| 1047 | 26.625 | 99.0 | 62.8 | 11 | 0 | | | | | | | | | | | | | | | 0 | | | | | 10-11 |
| 1148 | 26.610 | 99.8 | 62.8 | 11 | 0 | | | | | | | | | | | | | | | 0 | | | | | 11-12 |
| 1249 | 26.600 | 101.1 | 63.1 | 10 | 2 | 2 | K | 60 | 0 | Ac | 170 | 2 | | | | | | | | 2 | 8 | .025 | | | 12-13 |
| 1347 | 26.590 | 101.3 | 63.1 | 10 | 3 | | | | | | | | | | | | | | | 2 | | | | | 13-14 |
| 1450 | 26.570 | 103.5 | 64.0 | 10 | 3 | | | | | | | | | | | | | | | 2 | | | | | 14-15 |
| 1550 | 26.565 | 101.9 | 63.1 | 9 | 2 | 2 | Ac | 180 | | | | | | | | | | | | 2 | 6 | .035 | | | 15-16 |
| 1650 | 26.545 | 100.8 | 63.0 | 10 | 1 | | | | | | | | | | | | | | | 1 | | | | | 16-17 |
| 1750 | 26.550 | 100.0 | 61.9 | 9 | 0 | | | | | | | | | | | | | | | 0 | | | | | 17-18 |
| 1850 | 26.565 | 96.7 | 60.2 | 9 | 0 | | | | | | | | | | | | | | | 0 | 5 | .000 | | | 18-19 |
| 1950 | 26.575 | 90.2 | 58.2 | 12 | 0 | | | | | | | | | | | | | | | 0 | | | | | 19-20 |
| 2050 | 26.585 | 87.2 | 57.0 | 13 | 1 | | | | | | | | | | | | | | | 1 | | | | | 20-21 |
| 2150 | 26.600 | 83.2 | 55.7 | 15 | 2 | 2 | Ac | 160 | | | | | | | | | | | | 2 | 2 | .035 | | | 21-22 |
| 2250 | 26.600 | 86.1 | 56.8 | 14 | 2 | | | | | | | | | | | | | | | 2 | | | | | 22-23 |
| 2350 | 26.590 | 88.3 | 57.2 | 12 | 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 0342 | X | 0 | 0 | X | 90 | 74 | X | X | | | | | | X | | |
| | 0342 | 1 | 0 | 0 | 0 | 90 | 74 | | 0 | | | | | | | | |
| | 0945 | 2 | 0 | 0 | 0 | 98 | 74 | | 0 | | | | | | | | |
| | 1546 | 3 | 0 | 0 | 0 | 104 | 98 | | 0 | | | | | | | | |
| | 2146 | 4 | 0 | 0 | 0 | 102 | 83 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 66 | 63 | X | X | | | | | | X | | |

STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0345 | 0947 | 1548 | 2145 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.570 | 26.625 | 26.565 | 26.600 |
| BAROGRAPH 64 | 26.575 | 26.625 | 26.560 | 26.590 |
| 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 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 104 | 74 | 0 | 0 | 0 | 26 | SW | 1528** | | | | | 1 | 1 | | |

WEATHER & OBSTRUCTIONS TO VISION

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

90. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE SUNSET

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

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

TIME CHECK: 0519P 2 SEC SLOW
2333P 2 SEC SLOW

** Last of Several occurances

* Barograph Changed 0950P 0 Corr.

MF1-10B

MF1-10A (10-78)

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

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: 1981 JUN 26

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

| TYPE (1) | TIME (LST) (2) | SKY AND CEILING (Hundreds of Feet) (3) | VISIBILITY (Miles) SURFACE (4) | VISIBILITY (Miles) TOWER (4a) | WEATHER AND OBSTRUCTIONS TO VISION (5) | SEA LEVEL PRESS. (Mbs.) (6) | TEMP (°F) (7) | DEW PT. (°F) (8) | WIND DIRECTION (00-36) (9) | WIND SPEED (Kts.) (10) | WIND CHARACTER (11) | ALTIMETER SETTING (Ins.) (12) | REMARKS AND SUPPLEMENTAL CODED DATA (13) | OB. SERVERS INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0050 | 160 SCT | 20 | | | 103 | 85 | 36 | 03 | 07 | | 000 | 603 1070 | WRG |
| SA | 0150 | 160 -SCT | 20 | | | 105 | 82 | 30 | 07 | 02 | | 000 | | WRG |
| SA | 0246 | CLR | 20 | | | 109 | 77 | 30 | 07 | 03 | | 001 | FEW AC OVHD | WRG |
| SA | 0347 | CLR | 20 | | | 111 | 76 | 30 | 04 | 04 | | 001 | 103 1030 76 RADAT 45157 | JD |
| SA | 0447 | CLR | 20 | | | 116 | 75 | 30 | 03 | 02 | | 002 | | JD |
| SA | 0546 | CLR | 20 | | | 120 | 80 | 35 | 01 | 03 | | 004 | | JD |
| SA | 0647 | CLR | 20 | | | 125 | 84 | 35 | 09 | 02 | | 005 | 314 1030 | JD |
| SA | 0747 | CLR | 20 | | | 125 | 90 | 33 | 24 | 02 | | 005 | | JD |
| SA | 0847 | CLR | 20 | | | 121 | 93 | 33 | 01 | 02 | | 004 | | JD |
| SA | 0947 | CLR | 20 | | | 116 | 98 | 32 | 25 | 10 | | 003 | 807 1050 74 | JD |
| SA | 1047 | 160 SCT | 20 | | | 108 | 100 | 33 | 23 | 10 | G18 | 001 | | JD |
| SA | 1147 | 160 SCT | 20 | | | 104 | 103 | 36 | 23 | 10 | | 000 | | JD |
| SA | 1247 | 160 SCT | 20 | | | 098 | 102 | 37 | 19 | 12 | | 998 | 715 1050 | JD |
| SA | 1346 | 150 SCT | 20 | | | 091 | 103 | 39 | 24 | 12 | | 996 | | JD |
| SA | 1450 | 150 SCT | 20 | | | 084 | 103 | 39 | 25 | 12 | | 993 | K LYR NE-SE | JD |
| SA | 1550 | 160 SCT | 20 | | | 076 | 103 | 39 | 24 | 09 | G16 | 991 | K LYR NE-SE 722 | - |
| | | | | | | | | | | | | | 1050 05 RADAT 75156 | WRG |
| SA | 1650 | 160 SCT | 20 | | | 068 | 101 | 41 | 21 | 10 | G21 | 988 | K LYR NE-SE | WRG |
| SA | 1750 | 160 SCT | 20 | | | 063 | 100 | 39 | 20 | 14 | | 987 | K LYR NE-SE | WRG |
| SA | 1850 | 160 SCT | 20 | | | 062 | 97 | 40 | 23 | 10 | | 987 | K LYR NE-SE 612 1050 | WRG |
| SA | 1950 | 160 SCT | 20 | | | 061 | 95 | 39 | 21 | 13 | | 987 | K LYR NE-SE | WRG |
| SA | 2050 | 160 SCT | 20 | | | 065 | 91 | 36 | 25 | 08 | | 988 | K LYR NE-SE | WRG |
| SA | 2150 | CLR | 20 | | | 068 | 90 | 36 | 00 | 00 | | 989 | K LYR NE-SE 207 05 | WRG |
| SA | 2250 | CLR | 20 | | | 070 | 84 | 42 | 12 | 03 | | 990 | K LYR NE-SE | WRG |
| SA | 2350 | CLR | 20 | | | 066 | 84 | 47 | 07 | 04 | | 988 | | WRG |

A synoptic observation, in WMO code format FM11V, is entered on line following related aviation observation.

FM11V: Iliii Nddff VVwwW PPPTT $N_hC_LhC_MC_H$ $T_dT_dopp$ $6P_oP_oP_oP_o$ $7RRR_{ts}$ $8N_sCh\ h_s$ $9SpSpspsp$ $2R_{24}R_{24}R_{24}R_{24}$ $3P_wP_wH_wH_w$ $d_wd_wP_wH_wH_w$ $4T_xT_xT_nT_n$

☆U.S.GPO:1980-0-665-115/1108

MF1-10B
(2-79)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: 1981 JUN 26

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

| TIME (L.S.T.) 16 | STATION PRESSURE (Ins.) 17 | DRY BULB (°F) 18 | WET BULB (°F) 19 | REL. HUMIDITY (%) 20 | TOTAL SKY COVER 21 | LOWEST LAYER AMT. 22 | LOWEST LAYER TYPE 23 | LOWEST LAYER HEIGHT 24 | SECOND LAYER AMT. 25 | SECOND LAYER TYPE 26 | SECOND LAYER HEIGHT 27 | SUMMATION TOTAL 28 | THIRD LAYER AMT. 29 | THIRD LAYER TYPE 30 | THIRD LAYER HEIGHT 31 | SUMMATION TOTAL 32 | FOURTH LAYER AMT. 33 | FOURTH LAYER TYPE 34 | FOURTH LAYER HEIGHT 35 | TOTAL OPAQUE SKY COVER 36 | PRESSURE TENDENCY 37 | NET 3-HR. CHANGE (Ins.) 38 | SUNSHINE (Min.) 39 | PRECIPITATION (Ins.) 40 | HR. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00 50 | 26.590 | 85.2 | 56.3 | 14 | 3 | 3 | Ac | 160 | | | | | | | | | | | | 3 | 6 | .010 | | | 00-01 |
| 01 50 | 26.595 | 81.7 | 54.9 | 15 | 1 | | | | | | | | | | | | | | | 0 | | | | | 01-02 |
| 02 48 | 26.600 | 77.3 | 53.1 | 17 | 0 | | | | | | | | | | | | | | | 0 | | | | | 02-03 |
| 03 47 | 26.600 | 75.9 | 52.7 | 19 | 0 | 0 | Ac | 160 | | | | | | | | | | | | 0 | 1 | .010 | | | 03-04 |
| 04 47 | 26.610 | 74.8 | 52.3 | 19 | 0 | | | | | | | | | | | | | | | 0 | | | | | 04-05 |
| 05 46 | 26.625 | 79.7 | 55.6 | 20 | 0 | | | | | | | | | | | | | | | 0 | | | | | 05-06 |
| 06 47 | 26.640 | 84.0 | 57.3 | 17 | 0 | 0 | Ac | 160 | | | | | | | | | | | | 0 | 3 | .040 | | | 06-07 |
| 07 47 | 26.640 | 89.9 | 58.9 | 13 | 0 | | | | | | | | | | | | | | | 0 | | | | | 07-08 |
| 08 47 | 26.630 | 92.6 | 59.9 | 12 | 0 | | | | | | | | | | | | | | | 0 | | | | | 08-09 |
| 09 47 | 26.620 | 97.9 | 61.7 | 10 | 0 | 0 | Ac | 160 | | | | | | | | | | | | 0 | 8 | .020 | | | 09-10 |
| 10 47 | 26.600 | 100.1 | 62.3 | 10 | 1 | | | | | | | | | | | | | | | 1 | | | | | 10-11 |
| 11 47 | 26.595 | 102.5 | 63.9 | 10 | 1 | | | | | | | | | | | | | | | 1 | | | | | 11-12 |
| 12 47 | 26.575 | 101.8 | 63.9 | 11 | 3 | 3 | Ac | 160 | | | | | | | | | | | | 3 | 7 | .045 | | | 12-13 |
| 13 46 | 26.555 | 103.0 | 64.9 | 11 | 4 | | | | | | | | | | | | | | | 4 | | | | | 13-14 |
| 14 50 | 26.530 | 102.7 | 64.9 | 11 | 2 | | | | | | | | | | | | | | | 2 | | | | | 14-15 |
| 15 50 | 26.510 | 103.2 | 65.1 | 11 | 3 | 3 | Ac | 160 | | | | | | | | | | | | 2 | 7 | .065 | | | 15-16 |
| 16 50 | 26.485 | 101.2 | 64.9 | 13 | 2 | | | | | | | | | | | | | | | 2 | | | | | 16-17 |
| 17 50 | 26.475 | 100.2 | 63.9 | 12 | 2 | | | | | | | | | | | | | | | 2 | | | | | 17-18 |
| 18 50 | 26.475 | 97.1 | 63.3 | 14 | 2 | 2 | Ac | 160 | | | | | | | | | | | | 2 | 6 | .035 | | | 18-19 |
| 19 50 | 26.475 | 94.8 | 62.1 | 14 | 2 | | | | | | | | | | | | | | | 2 | | | | | 19-20 |
| 20 50 | 26.485 | 91.3 | 60.0 | 14 | 1 | | | | | | | | | | | | | | | 1 | | | | | 20-21 |
| 21 50 | 26.495 | 89.8 | 59.7 | 15 | 0 | | | | | | | | | | | | | | | 0 | 2 | .020 | | | 21-22 |
| 22 50 | 26.500 | 88.8 | 59.4 | 23 | 0 | | | | | | | | | | | | | | | 0 | | | | | 22-23 |
| 23 50 | 26.490 | 84.3 | 61.4 | 27 | 0 | | | | | | | | | | | | | | | 0 | | | | | 23-24 |

SYNOPTIC OBSERVATIONS

| TIME (G.M.T.) 41 | TIME (L.S.T.) 42 | NO. 43 | PRECIP. (Ins.) 44 | SNOW FALL (Ins.) 45 | SNOW DEPTH (Ins.) 46 | MAX. TEMP. (°F) 47 | MIN. TEMP. (°F) 48 | PRECIP. ORIGIN 49 | STATE OF GRND. 50 | 51 | 52 | 53 | 54 | 55 | SOIL TEMP. 56 | 57 | 58 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MID. TO 0343 | X | 0 | 0 | X | 90 | 76 | X | X | | | | | | X | | |
| | 0343 | 1 | 0 | 0 | 0 | 90 | 76 | | 0 | | | | | | | | |
| | 0944 | 2 | 0 | 0 | 0 | 98 | 74 | | 0 | | | | | | | | |
| | 1546 | 3 | 0 | 0 | 0 | 105 | 98 | | 0 | | | | | | | | |
| | 2146 | 4 | 0 | 0 | 0 | 103 | 88 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 90 | 83 | 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 | 26.600 | 26.620 | 26.510 | 26.495 |
| BAROGRAPH 64 | 26.595 | 26.620 | 26.510 | 26.495 |
| 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 105 | 74 | 0 | 0 | 0 | 25 | SW | 1717 | | | | | 1 | 1 | | |

WEATHER & OBSTRUCTIONS TO VISION

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

90. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE SUNSET

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

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

TIME CHECK: 0503 P 2 sec SLOW

2347 P 2 sec SLOW

MF1-10B

MF1-10A (10-78)

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

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: 1981 JUN 27

TO CONVERT LST TO GMT ADD 06 hrs. SUBTRACT ____ hrs.

| TYPE (1) | TIME (LST) (2) | SKY AND CEILING (Hundreds of Feet) (3) | VISIBILITY (Miles) SURFACE (4) | VISIBILITY (Miles) TOWER (4a) | WEATHER AND OBSTRUCTIONS TO VISION (5) | SEA LEVEL PRESS. (Mbs.) (6) | TEMP. (°F) (7) | DEW PT. (°F) (8) | WIND DIRECTION (00-36) (9) | WIND SPEED (Kts.) (10) | WIND CHARACTER (11) | ALTIMETER SETTING (Ins.) (12) | REMARKS AND SUPPLEMENTAL CODED DATA (13) | OBSERVERS INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0050 | 140 SCT | 20 | | | 066 | 79 | 48 | 08 | 04 | | 988 | 803 1070 | WRC |
| SA | 0150 | 140 SCT | 20 | | | 064 | 83 | 40 | 11 | 04 | | 987 | | WRC |
| SA | 0250 | E140 BKN | 20 | | | 059 | 85 | 40 | 00 | 00 | | 986 | | WRC |
| SA | 0348 | E140 BKN | 20 | | | 058 | 84 | 37 | 10 | 03 | | 986 | 605 1050 79 RADAT 75151 | JD |
| SA | 0449 | E140 BKN | 20 | | | 062 | 81 | 48 | 13 | 08 | | 987 | | JD |
| SA | 0547 | 100 SCT E140 BKN | 20 | | | 068 | 81 | 49 | 07 | 07 | | 988 | VIRGA E RB15E22 | JD |
| SA | 0648 | 100 SCT E140 BKN | 20 | | | 071 | 84 | 47 | 27 | 03 | | 990 | 31000 1070 | JD |
| SA | 0747 | 100 SCT E140 BKN | 20 | | | 066 | 89 | 45 | 11 | 12 | | 988 | | JD |
| SA | 0847 | E140 BKN | 20 | | | 066 | 93 | 44 | 16 | 05 | | 988 | | JD |
| SA | 0948 | E150 BKN | 20 | | | 068 | 95 | 35 | 19 | 05 G 17 | | 990 | 60200 1130 79 | JD |
| SA | 1046 | 150 SCT 250 - BKN | 20 | | | 068 | 100 | 32 | 19 | 16 G 28 | | 988 | | JD |
| SA | 1147 | 100 SCT 150 SCT 250 - OVC | 20 | | | 067 | 99 | 36 | 23 | 12 G 26 | | 988 | VIRGA E | JD |
| SA | 1248 | 150 SCT E250 OVC | 20 | | | 069 | 95 | 49 | 21 | 21 G 29 | | 988 | 803 1138 | JD |
| SA | 1346 | E240 OVC | 20 | | | 065 | 91 | 49 | 22 | 17 G 28 | | 987 | | JD |
| SA | 1450 | E240 OVC | 20 | | | 058 | 93 | 47 | 22 | 14 | | 985 | | JD |
| SA | 1550 | 160 SCT 240 - OVC | 20 | | | 053 | 95 | 35 | 20 | 13 G 22 | | 984 | 712 1067 00 RADAT 69145 | WRC |
| SA | 1650 | 160 SCT 240 - OVC | 20 | | | 051 | 93 | 41 | 21 | 10 G 20 | | 983 | | WRC |
| SA | 1750 | 160 SCT 240 - OVC | 20 | | | 050 | 91 | 40 | 22 | 11 | | 982 | | WRC |
| SA | 1850 | 160 SCT 240 - BKN | 20 | | | 048 | 89 | 42 | 23 | 08 | | 982 | 607 1078 | WRC |
| SA | 1950 | 160 SCT 240 - BKN | 20 | | | 051 | 87 | 41 | 24 | 06 | | 983 | | WRC |
| SA | 2050 | 160 SCT 240 - BKN | 20 | | | 058 | 83 | 44 | 05 | 06 | | 985 | | WRC |
| SA | 2150 | 160 SCT 240 - BKN | 20 | | | 060 | 83 | 42 | 12 | 04 | | 986 | 214 1078 00 | WRC |
| SA | 2250 | 160 SCT 240 - BKN | 20 | | | 059 | 84 | 40 | 13 | 04 | | 986 | | WRC |
| SA | 2350 | E160 BKN 240 OVC | 20 | | | 060 | 83 | 42 | 15 | 06 | | 986 | | WRC |

A synoptic observation, in WMO code format FM11V, is entered on line following related aviation observation.

FM11V: IIiii Nddff VVwwW PPPTT $N_hC_LhC_MC_H$ $T_dT_dapp$ $6P_oP_oP_oP_o$ $7RRR_{tt}$ $8N_sCh\ h_s$ $9S_pS_psp_sp$ $2R_{24}R_{24}R_{24}R_{24}$ $3P_wP_wH_wH_w$ $d_wd_wP_wH_wH_w$ $4T_xT_xT_nT_n$

☆U.S.GPO:1980-0-665-115/1108

MF1-10B
(2-79)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: 1981 JUN 27

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

| TIME (L.S.T.) 16 | STATION PRESSURE (Ins.) 17 | DRY BULB (°F) 18 | WET BULB (°F) 19 | REL. HUMIDITY (%) 20 | TOTAL SKY COVER 21 | LOWEST LAYER AMT. 22 | LOWEST LAYER TYPE 23 | LOWEST LAYER HEIGHT 24 | SECOND LAYER AMT. 25 | SECOND LAYER TYPE 26 | SECOND LAYER HEIGHT 27 | SUMMATION TOTAL 28 | THIRD LAYER AMT. 29 | THIRD LAYER TYPE 30 | THIRD LAYER HEIGHT 31 | SUMMATION TOTAL 32 | FOURTH LAYER AMT. 33 | FOURTH LAYER TYPE 34 | FOURTH LAYER HEIGHT 35 | TOTAL OPAQUE SKY COVER 36 | PRESSURE TENDENCY 37 | NET 3-HR. CHANGE (Ins.) 38 | SUNSHINE (Min.) 39 | PRECIPITATION (Ins.) 40 | HR. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00 50 | 26.435 | 79.0 | 60.1 | 34 | 2 | 2 | AC | 140 | | | | | | | | | | | | 2 | 8 | .010 | | | 00-01 |
| 01 50 | 26.480 | 83.0 | 58.3 | 21 | 2 | | | | | | | | | | | | | | | 2 | | | | | 01-02 |
| 02 50 | 26.470 | 84.9 | 59.2 | 21 | 6 | | | | | | | | | | | | | | | 6 | | | | | 02-03 |
| 03 48 | 26.470 | 83.8 | 57.9 | 19 | 9 | 9 | AC | E140 | | | | | | | | | | | | 9 | 6 | .015 | | | 03-04 |
| 04 49 | 26.475 | 80.9 | 60.8 | 32 | 9 | | | | | | | | | | | | | | | 9 | | | | | 04-05 |
| 05 47 | 26.490 | 81.0 | 61.4 | 33 | 9 | | | | | | | | | | | | | | | 9 | | | | | 05-06 |
| 06 48 | 26500 | 83.5 | 61.2 | 28 | 9 | 2 | AC | 100 | 7 | AC | E140 | 9 | | | | | | | | 9 | 3 | .030 | | | 06-07 |
| 07 47 | 26.490 | 89.2 | 62.6 | 22 | 8 | | | | | | | | | | | | | | | 7 | | | | | 07-08 |
| 08 47 | 26.490 | 92.6 | 63.3 | 19 | 8 | | | | | | | | | | | | | | | 7 | | | | | 08-09 |
| 09 48 | 26.495 | 95.3 | 61.3 | 12 | 7 | 0 | CU | 100 | 7 | AC | E150 | 7 | | | | | | | | 6 | 6 | .005 | | | 09-10 |
| 10 46 | 26.490 | 99.6 | 62.0 | 10 | 9 | | | | | | | | | | | | | | | 4 | | | | | 10-11 |
| 11 47 | 26.490 | 98.6 | 62.7 | 12 | 10 | | | | | | | | | | | | | | | 4 | | | | | 11-12 |
| 12 48 | 26485 | 94.6 | 65.7 | 21 | 10 | 0 | CU | 100 | 7 | AC | 150 | 3 | 7 | CS | E150 | 10 | | | | 8 | 8 | .010 | | | 12-13 |
| 13 46 | 26.475 | 91.1 | 64.6 | 24 | 10 | | | | | | | | | | | | | | | 10 | | | | | 13-14 |
| 14 50 | 26.460 | 93.2 | 64.6 | 21 | 10 | | | | | | | | | | | | | | | 9 | | | | | 14-15 |
| 15 50 | 26.450 | 94.8 | 61.2 | 13 | 10 | 3 | AC | 160 | 10 | CS | 240 | 10 | | | | | | | | 4 | 7 | .035 | | | 15-16 |
| 16 50 | 26.440 | 93.0 | 62.3 | 17 | 10 | | | | | | | | | | | | | | | 4 | | | | | 16-17 |
| 17 50 | 26.430 | 91.4 | 61.4 | 17 | 10 | | | | | | | | | | | | | | | 3 | | | | | 17-18 |
| 18 50 | 26.430 | 89.1 | 61.2 | 19 | 8 | 2 | AC | 160 | 8 | CS | 240 | 8 | | | | | | | | 3 | 6 | .020 | | | 18-19 |
| 19 50 | 26.440 | 86.8 | 60.2 | 20 | 8 | | | | | | | | | | | | | | | 3 | | | | | 19-20 |
| 20 50 | 26.460 | 83.2 | 59.8 | 25 | 7 | | | | | | | | | | | | | | | 3 | | | | | 20-21 |
| 21 50 | 26.470 | 83.2 | 59.0 | 24 | 6 | 2 | AC | 160 | 4 | CS | 240 | 6 | | | | | | | | 3 | 2 | .040 | | | 21-22 |
| 22 50 | 26.470 | 84.2 | 59.0 | 21 | 6 | | | | | | | | | | | | | | | 3 | | | | | 22-23 |
| 23 50 | 26.470 | 82.8 | 59.2 | 24 | 10 | | | | | | | | | | | | | | | 7 | | | | | 23-24 |

CLOUDS AND OBSCURING PHENOMENA

SYNOPTIC OBSERVATIONS

| TIME (G.M.T.) 41 | TIME (L.S.T.) 42 | NO. 43 | PRECIP. (Ins.) 44 | SNOW FALL (Ins.) 45 | SNOW DEPTH (Ins.) 46 | MAX. TEMP. (°F) 47 | MIN. TEMP. (°F) 48 | PRECIP. ORIGIN 49 | STATE OF GRND. 50 | 51 | 52 | 53 | 54 | 55 | SOIL TEMP. 56 | 57 | 58 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MID. TO 0344 | X | 0 | 0 | X | 86 | 79 | X | X | | | | | | X | | |
| | 0344 | 1 | 0 | 0 | 0 | 90 | 79 | | 0 | | | | | | | | |
| | 0944 | 2 | T | 0 | 0 | 95 | 81 | | 0 | | | | | | | | |
| | 1546 | 3 | 0 | 0 | 0 | 100 | 90 | | 0 | | | | | | | | |
| | 2146 | 4 | 0 | 0 | 0 | 95 | 83 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 85 | 82 | X | X | | | | | | X | | |

STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0347 | 0947 | 1548 | 2148 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26470 | 26.495 | 26450 | 26470 |
| BAROGRAPH 64 | 26.470 | 26.495 | 26450 | 26.460 |
| 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 100 | 79 | T | 0 | 0 | 31 | SW | 1303 | | | | | 9 | 8 | | |

WEATHER & OBSTRUCTIONS TO VISION

| TYPE 82 | BEGAN 83 | ENDED 84 | TYPE 86 | BEGAN 87 | ENDED 88 |
|---|---|---|---|---|---|
| R | 0515 | 0522 | | | |

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: 0515 P 2 SEC SLOW

2319 P 2 Sec SLOW

MF1-10B

MF1-10A
(10-78)

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

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: 1981 JUN 28

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

| TYPE (1) | TIME (LST) (2) | SKY AND CEILING (Hundreds of Feet) (3) | VISIBILITY (Miles) SURFACE (4) | VISIBILITY (Miles) TOWER (4a) | WEATHER AND OBSTRUCTIONS TO VISION (5) | SEA LEVEL PRESS. (Mbs.) (6) | TEMP. (°F) (7) | DEW PT. (°F) (8) | WIND DIRECTION (00-36) (9) | WIND SPEED (Kts.) (10) | WIND CHARACTER (11) | ALTIMETER SETTING (Ins.) (12) | REMARKS AND SUPPLEMENTAL CODED DATA (13) | OBSERVER'S INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0050 | E160 OVC | 20 | | | 063 | 82 | 45 | 15 | 09 | | 986 | 400 1071 | WRG |
| SA | 0150 | E160 BKN 2400VC | 20 | | | 067 | 85 | 43 | 12 | 10 | | 998 | | WRG |
| SA | 0250 | E160 OVC | 20 | | | 067 | 82 | 49 | 13 | 13 | | 998 | | WRG |
| SA | 0350 | E160 OVC | 20 | | | 070 | 81 | 49 | 13 | 10 | | 988 | 207 1050 81 RADAT 53141 | 008 |
| SA | 0450 | 70 SCT E160 OVC | 20 | | | 072 | 86 | 38 | 12 | 11 | | 989 | VIRGA SE | 008 |
| SA | 0548 | 70 SCT E160 OVC | 20 | | | 081 | 84 | 40 | 13 | 13 | | 992 | BINOVC VIRGA SE | 008 |
| SA | 0648 | 70 SCT E160 OVC | 20 | | | 082 | 86 | 42 | 11 | 13 | | 992 | 110 1771 | 008 |
| SA | 0747 | 70 SCT E160 BKN 250 OVC | 20 | | | 086 | 87 | 41 | 16 | 13 | | 993 | BINOVC | 008 |
| SA | 0846 | 70 SCT E160 BKN 250 OVC | 20 | | | 091 | 88 | 42 | 14 | 11 | | 994 | BINOVC | 008 |
| SA | 0948 | 70 SCT 160 SCT E250 OVC | 20 | | | 095 | 88 | 38 | 23 | 08 | | 995 | BINOVC / 210 1428 81 | 008 |
| SA | 1046 | 150 SCT E250 BKN | 20 | | | 097 | 92 | 36 | 24 | 06 | | 996 | | 008 |
| SA | 1147 | 150 SCT E250 BKN | 20 | | | 093 | 92 | 38 | 17 | 10 G17 | | 995 | | 008 |
| SA | 1246 | 150 SCT E250 BKN | 20 | | | 085 | 95 | 38 | 23 | 10 G17 | | 993 | FEWCU / 807 1276 | 008 |
| SA | 1348 | 150 SCT E250 BKN | 20 | | | 076 | 94 | 36 | 18 | 06 G16 | | 991 | | 008 |
| SA | 1443 | 150 SCT E250 BKN | 20 | | | 074 | 93 | 37 | 19 | 08 G14 | | 990 | | 008 |
| SA | 1548 | 150 SCT E250 BKN | 20 | | | 070 | 95 | 36 | 18 | 10 G16 | | 988 | 614 1038 96 | 008 |
| SA | 1648 | 150 SCT E250 BKN | 20 | | | 064 | 95 | 34 | 19 | 12 G17 | | 988 | RADAT 55142 | JC |
| SA | 1748 | 150 SCT E250 BKN | 20 | | | 066 | 94 | 34 | 20 | 10 | | 988 | | JC |
| SA | 1850 | 150 SCT 250 - BKN | 20 | | | 062 | 92 | 32 | 20 | 08 | | 987 | 707 1031 | JC |
| SA | 1945 | 250 - SCT | 20 | | | 063 | 88 | 32 | 18 | 07 | | 987 | FEW AC SE | JC |
| SA | 2047 | 250 - SCT | 20 | | | 073 | 83 | 32 | 07 | 04 | | 989 | | JC |
| SA | 2149 | E250 BKN | 20 | | | 082 | 87 | 30 | 20 | 06 | | 992 | 317 1006 96 | JC |
| SA | 2245 | 250-SCT | 20 | | | 082 | 82 | 27 | 29 | 05 | | 992 | | JC |
| SA | 2344 | 250 SCT | 20 | | | 081 | 82 | 28 | 30 | 04 | | 992 | | JC |

A synoptic observation, in WMO code format FM11V, is entered on line following related aviation observation.

FM11V: IIiii Nddff VVwwW PPPTT $N_hC_LhC_MC_H$ $T_dT_dapp$ $6P_oP_oP_oP_o$ $7RRR_{ts}$ $8N_sCh\ h_s$ $9S_pS_pS_pS_p$ $2R_{24}R_{24}R_{24}R_{24}$ $3P_wP_wH_wH_w$ $d_wd_wP_wH_wH_w$ $4T_xT_xT_nT_n$

☆U.S.GPO:1980-0-665-115/1108

MF1-10B
(2-79)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: 1981 JUN 28

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

| TIME (L.S.T.) 16 | STATION PRESSURE (Ins.) 17 | DRY BULB (°F) 18 | WET BULB (°F) 19 | REL. HUMIDITY (%) 20 | TOTAL SKY COVER 21 | 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 | 26.470 | 91.5 | 59.7 | 27 | 10 | 10 | AC | E160 | | | | | | | | | | | | 10 | 4 | .000 | | | 00-01 |
| 01 50 | 26.480 | 85.2 | 60.2 | 23 | 10 | | | | | | | | | | | | | | | 8 | | | | | 01-02 |
| 02 50 | 26.480 | 82.2 | 61.5 | 31 | 10 | | | | | | | | | | | | | | | 9 | | | | | 02-03 |
| 03 50 | 26.490 | 81.3 | 61.5 | 33 | 10 | 10 | AC | E160 | | | | | | | | | | | | 10 | 2 | .020 | | | 03-04 |
| 04 50 | 26.500 | 85.8 | 58.8 | 18 | 10 | | | | | | | | | | | | | | | 10 | | | | | 04-05 |
| 05 48 | 26.520 | 83.8 | 58.8 | 21 | 10 | | | | | | | | | | | | | | | 10 | | | | | 05-06 |
| 06 48 | 26.520 | 85.8 | 60.3 | 22 | 10 | 5 | CUFRA | 70 | 5 | AC | E160 | 10 | | | | | | | | 10 | 1 | .030 | | | 06-07 |
| 07 47 | 26.530 | 86.7 | 60.3 | 21 | 10 | | | | | | | | | | | | | | | 10 | | | | | 07-08 |
| 08 46 | 26.540 | 88.4 | 61.0 | 20 | 10 | | | | | | | | | | | | | | | 10 | | | | | 08-09 |
| 09 48 | 26.550 | 87.6 | 59.4 | 17 | 10 | 2 | SC | 70 | 2 | AS | 160 | 4 | 6 | CS | E250 | 10 | | | | 9 | 2 | .030 | | | 09-10 |
| 10 46 | 26.560 | 91.9 | 60.3 | 14 | 9 | | | | | | | | | | | | | | | 8 | | | | | 10-11 |
| 11 47 | 26.550 | 92.2 | 61.1 | 15 | 9 | | | | | | | | | | | | | | | 8 | | | | | 11-12 |
| 12 46 | 26.530 | 95.4 | 62.1 | 14 | 9 | 0 | CU | 70 | 2 | AC | 150 | 2 | 7 | Ci | E250 | 9 | | | | 8 | 8 | .020 | | | 12-13 |
| 13 48 | 26.510 | 94.3 | 61.1 | 13 | 8 | | | | | | | | | | | | | | | 7 | | | | | 13-14 |
| 14 43 | 26.500 | 93.4 | 61.2 | 14 | 8 | | | | | | | | | | | | | | | 7 | | | | | 14-15 |
| 15 48 | 26.490 | 95.2 | 61.5 | 13 | 7 | 2 | AC | 150 | 5 | CS | E250 | 7 | | | | | | | | 6 | 6 | .040 | | | 15-16 |
| 16 ~~52~~ 48 | 26.480 | 95.4 | 61.0 | 12 | 7 | | | | | | | | | | | | | | | 5 | | | | | 16-17 |
| 17 48 | 26.480 | 93.8 | 60.4 | 12 | 8 | | | | | | | | | | | | | | | 6 | | | | | 17-18 |
| 18 50 | 26.470 | 91.5 | 59.1 | 12 | 6 | 1 | AC | 150 | 6 | Ci | 250 | 6 | | | | | | | | 2 | 7 | .020 | | | 18-19 |
| 19 45 | 26.470 | 88.4 | 58.0 | 13 | 5 | | | | | | | | | | | | | | | 2 | | | | | 19-20 |
| 20 47 | 26.490 | 82.9 | 55.9 | 16 | 4 | | | | | | | | | | | | | | | 1 | | | | | 20-21 |
| 21 49 | 26.520 | 86.8 | 57.0 | 13 | 7 | 7 | Ci | E250 | | | | | | | | | | | | 4 | 3 | .050 | | | 21-22 |
| 22 45 | 26.520 | 81.6 | 54.3 | 14 | 3 | | | | | | | | | | | | | | | 1 | | | | | 22-23 |
| 23 44 | 26.520 | 82.4 | 54.8 | 14 | 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 0340 | X | 0 | 0 | X | 85 | 81 | X | X | | | | | | X | | |
| | 0340 | 1 | 0 | 0 | 0 | 85 | 81 | | 0 | | | | | | | | |
| | 0942 | 2 | 0 | 0 | 0 | 89 | 81 | | 0 | | | | | | | | |
| | 1540 | 3 | 0 | 0 | 0 | 96 | 88 | | 0 | | | | | | | | |
| | 2145 | 4 | 0 | 0 | 0 | 96 | 83 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 87 | 81 | X | X | | | | | | X | | |

STATION PRESSURE COMPUTATIONS

| | | | | |
|---|---|---|---|---|
| TIME (L.S.T.) 59 | 0349 | 0947 | 1547 | 2147 |
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.490 | 26.550 | 26.490 | 26.520 |
| BAROGRAPH 64 | 26.475 | 26.545 | 26.490 | 26.530 |
| BAR. CORR. 65 | +.015 | +.005 | ±0 | -.010 |

SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

| 24-HR. MAX. TEMP. (°F) 66 | 24-HR. MIN. TEMP. (°F) 67 | 24-HR. PRECIP. WATER EQUIV. (Ins.) 68 | 24-HR. SNOWFALL UNMLTD (Ins.) 69 | SNOW DEPTH (Ins.) 70 | PEAK WIND SPEED (Kts.) 71 | PEAK WIND DIRECTION 72 | PEAK WIND TIME (L.S.T.) 73 | THICKNESS OF ICE ON WATER (Ins.) 74 | FROZEN GROUND LAYER (Ins.) TOP 75 | FROZEN GROUND LAYER (Ins.) BASE 76 | RIVER GAGE 77 | SKY COVER SUNRISE TO SUNSET 78 | SKY COVER MIDNIGHT TO MIDNIGHT 79 | WATER EQUIV. (Ins.) 80 | 81 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 96 | 81 | 0 | 0 | 0 | 24 | S | 1445 | | | | | 9 | 8 | | |

WEATHER & OBSTRUCTIONS TO VISION

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

90. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE SUNSET

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

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

TIME CHECK: 0905P - 3 SECS, SLOW / 1941P 2 SEC SLOW

MF1-10B

MF1-10A (10-78)

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

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: 1981 JUN 29

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

| TYPE (1) | TIME (LST) (2) | SKY AND CEILING (Hundreds of Feet) (3) | VISIBILITY (Miles) SURFACE (4) | VISIBILITY (Miles) TOWER (4a) | WEATHER AND OBSTRUCTIONS TO VISION (5) | SEA LEVEL PRESS. (Mbs.) (6) | TEMP. (°F) (7) | DEW PT. (°F) (8) | WIND DIRECTION (00-36) (9) | WIND SPEED (Kts.) (10) | WIND CHARACTER (11) | ALTIMETER SETTING (Ins.) (12) | REMARKS AND SUPPLEMENTAL CODED DATA (13) | OBSERVER'S INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0046 | 250 SCT | 20 | | | 085 | 81 | 27 | 06 | 06 | | 993 | 303 1001 | JC |
| SA | 0144 | 250 - SCT | 20 | | | 088 | 76 | 28 | 06 | 05 | | 993 | | JC |
| SA | 0250 | E250 BKN | 20 | | | 092 | 76 | 33 | 01 | 04 | | 994 | | JC |
| SA | 0348 | 130 SCT E200 OVC | 20 | | | 092 | 75 | 31 | 10 | 03 | | 994 | 207 1032 75 RADAT 48144 | 008 |
| SA | 0448 | E130 BKN 200 OVC | 20 | | | 099 | 77 | 31 | 19 | 02 | | 996 | | 008 |
| SA | 0544 | E130 BKN 200 OVC | 20 | | | 107 | 76 | 34 | 36 | 02 | | 998 | BINOVC | 008 |
| SA | 0647 | E130 BKN 200 OVC | 20 | | | 115 | 78 | 36 | 30 | 01 | | 001 | BINOVC / 220 1032 | 008 |
| SA | 0745 | E150 BKN 200 BKN | 20 | | | 117 | 84 | 35 | 16 | 02 | | 002 | | 008 |
| SA | 0848 | E150 BKN 200 BKN | 20 | | | 119 | 87 | 41 | 19 | 02 | | 002 | | 008 |
| SA | 0949 | 80 SCT 150 SCT E200 BKN | 20 | | | 118 | 90 | 28 | 22 | 05 | | 003 | 207 1232 74 | 008 |
| SA | 1048 | 80 SCT 150 SCT 200 SCT | 20 | | | 113 | 94 | 28 | 24 | 07 | G12 | 002 | | 008 |
| SA | 1149 | 80 SCT 150 SCT E200 BKN | 20 | | | 111 | 95 | 32 | 23 | 12 | | 001 | | 008 |
| SA | 1248 | 80 SCT 200 - BKN | 20 | | | 107 | 96 | 32 | 23 | 10 | G17 | 999 | 710 1201 | 008 |
| SA | 1348 | 80 SCT 200 - BKN | 20 | | | 102 | 98 | 35 | 24 | 09 | G18 | 997 | | 008 |
| SA | 1447 | 80 SCT 200 - BKN | 20 | | | 101 | 98 | 37 | 24 | 09 | G18 | 997 | | 008 |
| SA | 1549 | E80 BKN | 20 | | 092 | ~~083~~ | 95 | 37 | 26 | 12 | G17 | 994 | 812 1100 99 RADAT 62143 | JC |
| SA | 1649 | 80 SCT | 20 | | | 084 | 97 | 39 | 27 | 04 | | 992 | | JC |
| SA | 1747 | 80 SCT 200 SCT | 20 | | | 085 | 95 | 39 | 24 | 09 | | 992 | | JC |
| SA | 1843 | 80 SCT 200 SCT | 20 | | | 088 | 93 | 40 | 21 | 07 | | 993 | 503 1401 | JC |
| SA | 1949 | 80 SCT 200 SCT | 20 | | | 092 | 88 | 36 | 24 | 06 | | 994 | | JC |
| SA | 2046 | E80 BKN | 20 | | | 090 | 88 | 35 | 21 | 08 | | 994 | | JC |
| SA | 2149 | E80 BKN | 20 | | | 094 | 84 | 36 | 08 | 07 | | 996 | 207 1400 99 | JC |
| SA | 2248 | 80 SCT | 20 | | | 093 | 81 | 35 | 06 | 04 | | 996 | | JC |
| SA | 2346 | 80 SCT | 20 | | | 090 | 80 | 35 | 07 | 06 | | 994 | | JC |

A synoptic observation, in WMO code format FM11V, is entered on line following related aviation observation.

FM11V: IIiii Ndaff VVwwW PPPTT $N_hC_LhC_MC_H$ $T_dT_dapp$ $6P_oP_oP_oP_o$ $7RRR_{ts}$ $8N_sCh\ h_s$ $9S_pS_pS_pS_p$ $2R_{24}R_{24}R_{24}R_{24}$ $3P_wP_wH_wH_w$ $d_wd_wP_wH_wH_w$ $4T_xT_xT_nT_n$

☆U.S.GPO:1980-0-665-115/1108

MF1-10B
(2-79)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

STATION: WSMO, DESERT ROCK, NV

DATE: 1981 JUN 29

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

## SURFACE WEATHER OBSERVATIONS

| 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 | 26.530 | 80.8 | 53.8 | 14 | 1 | 1 | Ci | 250 | | | | | | | | | | | | 1 | 3 | .010 | | | 00-01 |
| 01 45 | 26.530 | 75.6 | 51.9 | 17 | 3 | | | | | | | | | | | | | | | 1 | | | | | 01-02 |
| 02 50 | 26.540 | 76.3 | 53.7 | 21 | 7 | | | | | | | | | | | | | | | 4 | | | | | 02-03 |
| 03 48 | 26.540 | 75.4 | 52.8 | 20 | 10 | 5 | Ac | Bo | 5 | Ci | E200 | 10 | | | | | | | | 9 | 2 | .010 | | | 03-04 |
| 04 48 | 26.560 | 76.6 | 53.3 | 19 | 10 | | | | | | | | | | | | | | | 9 | | | | | 04-05 |
| 05 44 | 26.580 | 76.4 | 54.0 | 21 | 10 | | | | | | | | | | | | | | | 9 | | | | | 05-06 |
| 06 47 | 26.600 | 78.0 | 55.4 | 22 | 10 | 7 | Ac | E130 | 3 | Ci | 200 | 10 | | | | | | | | 9 | 2 | .060 | | | 06-07 |
| 07 45 | 26.610 | 84.2 | 57.4 | 18 | 9 | | | | | | | | | | | | | | | 8 | | | | | 07-08 |
| 08 48 | 26.610 | 87.2 | 60.4 | 20 | 8 | | | | | | | | | | | | | | | 7 | | | | | 08-09 |
| 09 49 | 26.620 | 90.2 | 57.7 | 11 | 6 | 1 | Cu | 80 | 3 | Ac | 150 | 4 | 2 | Ci | E200 | 6 | | | | 5 | 2 | .020 | | | 09-10 |
| 10 48 | 26.610 | 94.1 | 59.2 | 10 | 5 | | | | | | | | | | | | | | | 4 | | | | | 10-11 |
| 11 49 | 26.600 | 95.1 | 60.3 | 11 | 6 | | | | | | | | | | | | | | | 5 | | | | | 11-12 |
| 12 48 | 26.590 | 95.9 | 60.7 | 11 | 8 | 3 | Cu | 80 | 5 | Ci | 200 | 8 | | | | | | | | 4 | 7 | .030 | | | 12-13 |
| 13 48 | 26.570 | 97.6 | 62.0 | 11 | 8 | | | | | | | | | | | | | | | 4 | | | | | 13-14 |
| 14 47 | 26.570 | 98.2 | 62.8 | 12 | 6 | | | | | | | | | | | | | | | 3 | | | | | 14-15 |
| 15 49 | 26.540 | 95.4 | 62.0 | 13 | 7 | 7 | Cu | E80 | | | | | | | | | | | | 7 | 8 | .050 | | | 15-16 |
| 16 49 | 26.520 | 96.6 | 63.0 | 14 | 4 | | | | | | | | | | | | | | | 3 | | | | | 16-17 |
| 17 47 | 26.520 | 95.1 | 62.4 | 14 | 1 | | | | | | | | | | | | | | | 1 | | | | | 17-18 |
| 18 43 | 26.530 | 92.7 | 62.0 | 16 | 4 | 4 | Sc | 80 | 0 | Ci | 200 | 4 | | | | | | | | 3 | 5 | .010 | | | 18-19 |
| 19 49 | 26.570 | 88.2 | 59.2 | 16 | 5 | | | | | | | | | | | | | | | 4 | | | | | 19-20 |
| 20 46 | 26.540 | 87.5 | 58.5 | 16 | 7 | | | | | | | | | | | | | | | 6 | | | | | 20-21 |
| 21 49 | 26.550 | 83.9 | 57.5 | 18 | 7 | 7 | Sc | E80 | | | | | | | | | | | | 7 | 2 | .020 | | | 21-22 |
| 22 48 | 26.550 | 80.6 | 56.0 | 19 | 3 | | | | | | | | | | | | | | | 2 | | | | | 22-23 |
| 23 46 | 26.540 | 79.8 | 55.7 | 20 | 1 | | | | | | | | | | | | | | | 1 | | | | | 23-24 |

CLOUDS AND OBSCURING PHENOMENA

## SYNOPTIC OBSERVATIONS

| TIME (G.M.T.) 41 | TIME (L.S.T.) 42 | NO. 43 | PRECIP. (Ins.) 44 | SNOW FALL (Ins.) 45 | SNOW DEPTH (Ins.) 46 | MAX. TEMP. (°F) 47 | MIN. TEMP. (°F) 48 | PRECIP. ORIGIN 49 | STATE OF GRND. 50 | 51 | 52 | 53 | 54 | 55 | SOIL TEMP. 56 | 57 | 58 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MID. TO 0340 | X | 0 | 0 | X | 82 | 75 | X | X | | | | | | X | | |
| | 0340 | 1 | 0 | 0 | 0 | 87 | 75 | | 0 | | | | | | | | |
| | 0942 | 2 | 0 | 0 | 0 | 92 | 74 | | 0 | | | | | | | | |
| | 1545 | 3 | 0 | 0 | 0 | 99 | 90 | | 0 | | | | | | | | |
| | 2145 | 4 | 0 | 0 | 0 | 98 | 83 | | 0 | | | | | | | | |
| | MID. | X | 0 | 0 | 0 | 84 | 79 | X | X | | | | | | X | | |

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 | 26.620 | 26.540 | 26.550 |
| BAROGRAPH 64 | 26.545 | 26.620 | 26.540 | 26.553 |
| BAR. CORR. 65 | -.005 | ±0 | ±0 | -.005 |

## SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

| 24-HR. MAX. TEMP. (°F) 66 | 24-HR. MIN. TEMP. (°F) 67 | 24-HR. PRECIP. WATER EQUIV. (Ins.) 68 | 24-HR. SNOWFALL UNML 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 99 | 74 | 0 | 0 | 0 | 27 | W | 1713 | | | | | 7 | 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: 0640P - 25 SECS SLOW / 1743P 25 SEC SLOW

1000P - CHANGED BAROGRAM

MF1-10A (10-78)

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

# SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: 1981 JUN 3 0

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

| TYPE (1) | TIME (LST) (2) | SKY AND CEILING (Hundreds of Feet) (3) | VISIBILITY (Miles) SURFACE (4) | VISIBILITY (Miles) TOWER (4a) | WEATHER AND OBSTRUCTIONS TO VISION (5) | SEA LEVEL PRESS. (Mbs.) (6) | TEMP. (°F) (7) | DEW PT. (°F) (8) | WIND DIRECTION (00-36) (9) | WIND SPEED (Kts.) (10) | WIND CHARACTER (11) | ALTIMETER SETTING (Ins.) (12) | REMARKS AND SUPPLEMENTAL CODED DATA (13) | OBSERVER'S INITIALS (15) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SA | 0054 | 80 SCT | 20 | | | 089 | 80 | 37 | 02 | 03 | | 994 | 703 1400 | JC |
| SA | 0147 | 80 SCT | 20 | | | 090 | 76 | 36 | 10 | 04 | | 994 | | JC |
| SA | 0245 | 80 SCT | 20 | | | 089 | 76 | 37 | 35 | 05 | | 994 | | JC |
| SA | 0350 | 80 SCT | 20 | | | 104 | 75 | 35 | 05 | 06 | | 997 | 310 1400 74 RADAT 81138 | 008 |
| SA | 0450 | E80 BKN | 20 | | | 108 | 80 | 41 | 34 | 10 | | 999 | VIRGA NW | 008 |
| SA | 0550 | E80 BKN | 20 | | | 108 | 80 | 38 | 19 | 01 | | 999 | VIRGA NW | 008 |
| SA | 0645 | 80 SCT | 20 | | | 109 | 86 | 39 | 10 | 02 | | 000 | 210 1400 | 008 |
| SA | 0749 | 100 SCT 200 SCT | 20 | | | 111 | 89 | 40 | 08 | 01 | | 000 | | 008 |
| SA | 0848 | 100 SCT 200 SCT | 20 | | | 110 | 92 | 39 | 16 | 03 | | 000 | | 008 |
| SA | 0948 | 100 SCT | 20 | | | 112 | 94 | 37 | 26 | 05 G | 22 | 000 | 400 1200 ~~74~~ 72 | 008 |
| SA | 1048 | 100 SCT | 20 | | | 107 | 96 | 33 | 27 | 08 | | 999 | | 008 |
| SA | 1148 | 100 SCT | 20 | | | 103 | 98 | 33 | 22 | 10 G | 21 | 998 | | 008 |
| SA | 1250 | 100 SCT | 20 | | | 102 | 98 | 32 | 21 | 13 G | 23 | 997 | 710 1200 | 008 |
| SA | 1349 | 100 SCT | 20 | | | 089 | 99 | 32 | 22 | 14 G | 23 | 994 | | 008 |
| SA | 1447 | 100 SCT | 20 | | | 082 | 99 | 30 | 24 | 10 G | 23 | 992 | | 008 |
| SA | 1549 | 100 SCT | 20 | | | 072 | 98 | 32 | 24 | 12 G | 18 | 989 | 727 1100 01 RADAT | JC |
| / | | | | | | | | | | | | | 48136 | / |
| SA | 1647 | 100 SCT | 20 | | | 062 | 97 | 33 | 23 | 14 G | 19 | 987 | | JC |
| SA | 1745 | 100 SCT | 20 | | | 059 | 97 | 34 | 20 | 08 | | 986 | | JC |
| SA | 1849 | E100 BKN | 20 | | | 057 | 93 | 29 | 23 | 09 | | 986 | 610 1070 | JC |
| SA | 1946 | E100 BKN | 20 | | | 057 | 90 | 29 | 21 | 03 | | 986 | | JC |
| SA | 2048 | E100 BKN | 20 | | | 061 | 89 | 33 | 22 | 10 | | 987 | | JC |
| SA | 2149 | E100 BKN | 20 | | | 065 | 86 | 40 | 22 | 11 | | 988 | 307 1070 01 | JC |
| SA | 2247 | 100 SCT | 20 | | | 067 | 85 | 40 | 24 | 09 | | 989 | | JC |
| SA | 2348 | 100 SCT | 20 | | | 071 | 84 | 43 | 24 | 07 | | 990 | | JC |

A synoptic observation, in WMO code format FM11V, is entered on line following related aviation observation.

FM11V: IIiii Nddff VVwwW PPPTT $N_hC_LhC_MC_H$ $T_dT_dapp$ $6P_oP_oP_oP_o$ $7RRR_{ts}$ $8N_sCh$ $h_s$ $9SpSpspsp$ $2R_{24}R_{24}R_{24}R_{24}$ $3P_wP_wH_wH_w$ $d_wd_wP_wH_wH_w$ $4T_xT_xT_nT_n$

☆U.S.GPO:1980-0-665-115/1108

MF1-10B
(2-79)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: WSMO, DESERT ROCK, NV

DATE: 1981 JUN 30

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

| TIME (L.S.T.) 16 | STATION PRESSURE (Ins.) 17 | DRY BULB (°F) 18 | WET BULB (°F) 19 | REL. HUMIDITY (%) 20 | TOTAL SKY COVER 21 | CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT. 22 | LOWEST LAYER TYPE 23 | LOWEST LAYER HEIGHT 24 | SECOND LAYER AMT. 25 | SECOND LAYER TYPE 26 | SECOND LAYER HEIGHT 27 | SUMMATION TOTAL 28 | THIRD LAYER AMT. 29 | THIRD LAYER TYPE 30 | THIRD LAYER HEIGHT 31 | SUMMATION TOTAL 32 | FOURTH LAYER AMT. 33 | FOURTH LAYER TYPE 34 | FOURTH LAYER HEIGHT 35 | TOTAL OPAQUE SKY COVER 36 | PRESSURE TENDENCY 37 | NET 3-HR. CHANGE (Ins.) 38 | SUNSHINE (Min.) 39 | PRECIPITATION (Ins.) 40 | HR. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00 54 | 26.540 | 79.8 | 56.4 | 22 | 1 | 1 | SC | 80 | | | | | | | | | | | | 1 | 7 | .010 | | | 00-01 |
| 01 47 | 26.540 | 76.3 | 54.5 | 23 | 2 | | | | | | | | | | | | | | | 2 | | | | | 01-02 |
| 02 45 | 26.540 | 76.3 | 54.8 | 24 | 3 | | | | | | | | | | | | | | | 3 | | | | | 02-03 |
| 03 50 | 26.570 | 74.8 | 53.6 | 23 | 5 | 5 | SC | 80 | | | | | | | | | | | | 5 | 3 | .030 | | | 03-04 |
| 04 50 | 26.590 | 80.0 | 57.6 | 25 | 8 | | | | | | | | | | | | | | | 8 | | | | | 04-05 |
| 05 50 | 26.590 | 80.1 | 56.7 | 22 | 6 | | | | | | | | | | | | | | | 5 | | | | | 05-06 |
| 06 45 | 26.600 | 86.0 | 59.1 | 19 | 3 | 3 | SC | 80 | | | | | | | | | | | | 3 | 2 | .030 | | | 06-07 |
| 07 49 | 26.600 | 89.3 | 60.8 | 18 | 3 | | | | | | | | | | | | | | | 3 | | | | | 07-08 |
| 08 48 | 26.600 | 91.6 | 61.3 | 16 | 2 | | | | | | | | | | | | | | | 2 | | | | | 08-09 |
| 09 48 | 26.600 | 94.0 | 61.4 | 14 | 2 | 2 | CU | 100 | | | | | | | | | | | | 2 | 4 | .000 | | | 09-10 |
| 10 48 | 26.590 | 96.4 | 61.1 | 11 | 2 | | | | | | | | | | | | | | | 2 | | | | | 10-11 |
| 11 48 | 26.580 | 98.1 | 61.7 | 10 | 3 | | | | | | | | | | | | | | | 3 | | | | | 11-12 |
| 12 50 | 26.570 | 97.9 | 61.3 | 10 | 4 | 4 | CU | 100 | | | | | | | | | | | | 4 | 7 | .030 | | | 12-13 |
| 13 49 | 26.540 | 98.9 | 61.8 | 10 | 4 | | | | | | | | | | | | | | | 4 | | | | | 13-14 |
| 14 47 | 26.520 | 98.5 | 61.2 | 9 | 3 | | | | | | | | | | | | | | | 3 | | | | | 14-15 |
| 15 49 | 26.490 | 97.9 | 61.3 | 10 | 2 | 2 | CU | 100 | | | | | | | | | | | | 2 | 7 | .080 | | | 15-16 |
| 16 47 | 26.470 | 97.4 | 61.4 | 10 | 2 | | | | | | | | | | | | | | | 2 | | | | | 16-17 |
| 17 45 | 26.460 | 96.6 | 61.4 | 11 | 1 | | | | | | | | | | | | | | | 1 | | | | | 17-18 |
| 18 49 | 26.460 | 92.4 | 59.0 | 10 | 6 | 6 | AC | E100 | | | | | | | | | | | | 5 | 6 | .030 | | | 18-19 |
| 19 46 | 26.460 | 89.7 | 57.8 | 11 | 7 | | | | | | | | | | | | | | | 5 | | | | | 19-20 |
| 20 48 | 26.470 | 88.5 | 58.4 | 14 | 8 | | | | | | | | | | | | | | | 6 | | | | | 20-21 |
| 21 49 | 26.480 | 86.4 | 59.8 | 20 | 7 | 7 | AC | E100 | | | | | | | | | | | | 7 | 3 | .020 | | | 21-22 |
| 22 47 | 26.490 | 84.8 | 59.2 | 21 | 4 | | | | | | | | | | | | | | | 3 | | | | | 22-23 |
| 23 48 | 26.500 | 83.7 | 60.0 | 24 | 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 | | 80 | 74 | | | | | | | | | | |
| | 0342 | 1 | 0 | 0 | 0 | 84 | 74 | | 0 | | | | | | | | |
| | 0940 | 2 | 0 | 0 | 0 | 95 | 72 | | 0 | | | | | | | | |
| | 1545 | 3 | 0 | 0 | 0 | 101 | 93 | | 0 | | | | | | | | |
| | 2145 | 4 | 0 | 0 | 0 | 99 | 86 | | 0 | | | | | | | | |
| | MID. | | 0 | 0 | 0 | 86 | 83 | | | | | | | | | | |

STATION PRESSURE COMPUTATIONS

| TIME (L.S.T.) 59 | 0349 | 0947 | 1547 | 2147 |
|---|---|---|---|---|
| ATT. THERM. 60 | | | | |
| OBSRVD. BAR. 61 | | | | |
| TOTAL CORR. 62 | | | | |
| STA. PRESS. 63 | 26.570 | 26.600 | 26.490 | 26.480 |
| BAROGRAPH 64 | 26.570 | 26.585 | 26.485 | 26.490 |
| BAR. CORR. 65 | ±0 | +.015 | +.005 | -.010 |

SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

| 24-HR. MAX. TEMP. (°F) 66 | 24-HR. MIN. TEMP. (°F) 67 | 24-HR. PRECIP. WATER EQUIV. (Ins.) 68 | 24-HR. SNOWFALL UNML TD (Ins.) 69 | SNOW DEPTH (Ins.) 70 | PEAK WIND SPEED (Kts.) 71 | PEAK WIND DIRECTION 72 | PEAK WIND TIME (L.S.T.) 73 | THICKNESS OF ICE ON WATER (Ins.) 74 | FROZEN GROUND LAYER (Ins.) TOP 75 | FROZEN GROUND LAYER (Ins.) BASE 76 | RIVER GAGE 77 | SKY COVER SUNRISE TO SUNSET 78 | SKY COVER MIDNIGHT TO MIDNIGHT 79 | WATER EQUIV. (Ins.) 80 | 81 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 101 | 72 | 0 | 0 | 0 | 30 | W | 1418 | | | | | 3 | 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: 0940P - 2 SECS SLOW / 2035P 2 SEC SLOW