

FIG 7-1-9

## Key to Decode an ASOS/AWOS (METAR) Observation (Back)

| REMARKS IDENTIFIER: RMK  | RMK             |
|--|-----------------|
| <b>TORNADIC ACTIVITY:</b> Augmented; report should include TORNADO, FUNNEL CLOUD, or WATERSPOUT, time begin/end, location, movement; e.g., TORNADO B25 N MOV E.  |                 |
| <b>TYPE OF AUTOMATED STATION:</b> AO2; automated station with precipitation discriminator.   | AO2             |
| <b>PEAK WIND:</b> PK WND dddff(f)(hh)mm; direction in tens of degrees, speed in whole knots, and time.   | PK WND 20032/25 |
| <b>WIND SHIFT:</b> WSHFT (hh)mm  | WSHFT 1715      |
| <b>TOWER OR SURFACE VISIBILITY:</b> TWR VIS vvvv; visibility reported by tower personnel, e.g., TWR VIS 2; SFC VIS vvvv; visibility reported by ASOS, e.g., SFC VIS 2.   |                 |
| <b>VARIABLE PREVAILING VISIBILITY:</b> VIS v <sub>1</sub> v <sub>2</sub> v <sub>3</sub> v <sub>4</sub> v <sub>5</sub> v <sub>6</sub> Vv <sub>1</sub> Vv <sub>2</sub> Vv <sub>3</sub> Vv <sub>4</sub> Vv <sub>5</sub> Vv <sub>6</sub> ; reported if prevailing visibility is <3 miles and variable.   | VIS 3/4V1 1/2   |
| <b>VISIBILITY AT SECOND LOCATION:</b> VIS vvvv [LOC]; reported if different than the reported prevailing visibility in body of report.   | VIS 3/4 RWY11   |
| <b>LIGHTNING:</b> [FREQ] LTG [LOC]; when detected the frequency and location is reported, e.g., FRQ LTG NE.  |                 |
| <b>BEGINNING AND ENDING OF PRECIPITATION AND THUNDERSTORMS:</b> w'w'(hh)mmE(hh)mm; TSB(hh)mmE(hh)mm  | RAB07           |
| <b>VIRGA:</b> Augmented; precipitation not reaching the ground, e.g., VIRGA.   |                 |
| <b>VARIABLE CEILING HEIGHT:</b> CIG h <sub>1</sub> h <sub>2</sub> Vh <sub>1</sub> h <sub>2</sub> h <sub>3</sub> ; reported if ceiling in body of report is <3000 feet and variable.  | CIG 013V017     |
| <b>CEILING HEIGHT AT SECOND LOCATION:</b> CIG hhh [LOC]; Ceiling height reported if secondary ceilometer site is different than the ceiling height in the body of the report.  | CIG 017 RWY11   |
| <b>PRESSURE RISING OR FALLING RAPIDLY:</b> PRESRR or PRESFR; pressure rising or falling rapidly at time of observation.  | PRESFR          |
| <b>SEA-LEVEL PRESSURE:</b> SLPppp; tens, units, and tenths of SLP in hPa.  | SLP125          |
| <b>HOURLY PRECIPITATION AMOUNT:</b> Prrr; in .01 inches since last METAR; a trace is P0000.  | P0003           |
| <b>3- AND 6-HOUR PRECIPITATION AMOUNT:</b> 6RRRR; precipitation amount in .01 inches for past 6 hours reported in 00, 06, 12, and 18 UTC observations and for past 3 hours in 03, 09, 15, and 21 UTC observations; a trace is 60000.   | 60009           |
| <b>24-HOUR PRECIPITATION AMOUNT:</b> 7R <sub>24</sub> R <sub>24</sub> R <sub>24</sub> ; precipitation amount in .01 inches for past 24 hours reported in 12 UTC observation, e.g., 70015.  |                 |
| <b>HOURLY TEMPERATURE AND DEW POINT:</b> TsT <sub>1</sub> T <sub>2</sub> T <sub>3</sub> T <sub>4</sub> T <sub>5</sub> T <sub>6</sub> T <sub>7</sub> T <sub>8</sub> ; tenth of degree Celsius; s <sub>1</sub> : 1 if temperature below 0° C and 0 if temperature 0° C or higher.  | T00640036       |
| <b>6-HOUR MAXIMUM TEMPERATURE:</b> 1s <sub>6</sub> T <sub>1</sub> T <sub>2</sub> T <sub>3</sub> ; tenth of degree Celsius; 00, 06, 12, 18 UTC; s <sub>6</sub> : 1 if temperature below 0° C and 0 if temperature 0° C or higher.   | 10066           |
| <b>6-HOUR MINIMUM TEMPERATURE:</b> 2s <sub>6</sub> T <sub>1</sub> T <sub>2</sub> T <sub>3</sub> ; tenth of degree Celsius; 00, 06, 12, 18 UTC; s <sub>6</sub> : 1 if temperature below 0° C and 0 if temperature 0° C or higher.   | 21012           |
| <b>24-HOUR MAXIMUM AND MINIMUM TEMPERATURE:</b> 4s <sub>24</sub> T <sub>1</sub> T <sub>2</sub> T <sub>3</sub> T <sub>4</sub> T <sub>5</sub> T <sub>6</sub> T <sub>7</sub> T <sub>8</sub> ; tenth of degree Celsius; reported at midnight local standard time; 1 if temperature below 0° C and 0 if temperature 0° C or higher, e.g., 400461006.  |                 |
| <b>PRESSURE TENDENCY:</b> 5pppp; the character (a) and change in pressure (ppp; tenths of hPa) the past 3 hours.   | 58033           |
| <b>SENSOR STATUS INDICATORS:</b> RVRNO: RVR missing; PWINO: precipitation identifier information not available; PNO: precipitation amount not available; FZRNO: freezing rain information not available; TSNO: thunderstorm information not available; VISNO [LOC]: visibility at secondary location not available, e.g., VISNO RWY06; CHINO [LOC]: (cloud-height-indicator) sky condition at secondary location not available, e.g., CHINO RWY06. | TSNO            |
| <b>MAINTENANCE CHECK INDICATOR:</b> Maintenance needed on the system.  |                 |
| If an element or phenomena does not occur, is missing, or cannot be observed, the corresponding group and space are omitted (body and/or remarks) from that particular report, except for Sea-Level Pressure (SLPppp). SLPNO shall be reported in a METAR when the SLP is not available.   | \$              |

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