

FIG 7-1-7

Key to Decode an ASOS/AWSS (METAR) Observation (Front)

METAR KABC 121755Z AUTO 21016G24KT 180V240 1SM R11/P6000FT -RA BR BKN015 OVC025 06/04 A2990  
 RMK A02 PK WND 20032/25 WSHFT 1715 VIS 3/4V1 1/2 VIS 3/4 RWY11 RAB07 CIG 013V017 CIG 017 RWY11 PRESFR  
 SLP125 P0003 6009 T00640036 10066 21012 58033 TSNO \$

|                                 |   |                       |
|---------------------------------|---|-----------------------|
| <b>TYPE OF REPORT</b>           | METAR: hourly (scheduled report; SPECT: special (unscheduled) report.   | METAR                 |
| <b>STATION IDENTIFIER</b>       | Four alphabetic characters; ICAO location identifiers.  | KABC                  |
| <b>DATE/TIME</b>                | All dates and times in UTC using a 24-hour clock; two-digit date and four-digit time; always appended with <u>Z</u> to indicate UTC.  | 121755Z               |
| <b>REPORT MODIFIER</b>          | Fully automated report, no human intervention; removed when observer signed-on.   | AUTO                  |
| <b>WIND DIRECTION AND SPEED</b> | Direction in tens of degrees from true north (first three digits); next two digits: speed in whole knots; as needed <u>G</u> usts (character) followed by maximum observed speed; always appended with <u>K</u> T to indicate knots; 00000KT for calm; if direction varies by 60° or more a <u>V</u> ariable wind direction group is reported.  | 21016G24KT<br>108V240 |
| <b>VISIBILITY</b>               | Prevailing visibility in statute miles and fractions (space between whole miles and fractions); always appended with <u>S</u> M to indicate statute miles.  | 1SM                   |
| <b>RUNWAY VISUAL RANGE</b>      | 10-minute RVR value in hundreds of feet; reported if prevailing visibility is ≤ one mile or RVR ≤6000 feet; always appended with <u>FT</u> to indicate feet; value prefixed with <u>M</u> or <u>P</u> to indicate value is lower or higher than the reportable RVR value.   | R11/P6000FT           |
| <b>WEATHER PHENOMENA</b>        | RA: liquid precipitation that does not freeze; SN: frozen precipitation other than hail; UP: precipitation of unknown type; intensity prefixed to precipitation: light (-), moderate (no sign), heavy (+); FG: fog; FZFG: freezing fog (temperature below 0°C); BR: mist; HZ: haze; SQ: squall; maximum of three groups reported; augmented by observer: FC (funnel cloud/tornado/waterspout); TS(thunderstorm); GR (hail); GS (small hail; <1/4 inch); FZRA (intensity; freezing rain); VA (volcanic ash). | -RA BR                |
| <b>SKY CONDITION</b>            | Cloud amount and height: CLR (no clouds detected below 12000 feet); FEW (few); SCT (scattered); BKN (broken); OVC (overcast); followed by 3-digit height in hundreds of feet; or vertical visibility ( <u>VV</u> ) followed by height for indefinite ceiling.   | BKN015 OVC025         |
| <b>TEMPERATURE/DEW POINT</b>    | Each is reported in whole degrees Celsius using two digits; values are separated by a solidus; sub-zero values are prefixed with an <u>M</u> (minus).   | 06/04                 |
| <b>ALTIMETER</b>                | Altimeter always prefixed with an <u>A</u> indicating inches of mercury; reported using four digits: tens, units, tenths, and hundredths.   | A2990                 |