

(10) Lightning. When lightning is observed at a manual location, the frequency and location is reported.

When cloud-to-ground lightning is detected by an automated lightning detection system, such as ALDARS:

[a] Within 5 nautical miles (NM) of the Airport Reference Point (ARP), it will be reported as “TS” in the body of the report with no remark;

[b] Between 5 and 10 NM of the ARP, it will be reported as “VCTS” in the body of the report with no remark;

[c] Beyond 10 but less than 30 NM of the ARP, it will be reported in remarks as “DSNT” followed by the direction from the ARP.

EXAMPLE-

LTG DSNT W or LTG DSNT ALQDS

- (11)** Beginning/Ending of Precipitation/ TSTMS.
- (12)** TSTM Location MVMT.
- (13)** Hailstone Size (GR).
- (14)** Virga.
- (15)** VRB CIG (height).
- (16)** Obscuration.
- (17)** VRB Sky Condition.
- (18)** Significant Cloud Types.
- (19)** Ceiling Height 2nd Location.
- (20)** PRESFR PRESRR.
- (21)** Sea-Level Pressure.
- (22)** ACFT Mishap (not transmitted).
- (23)** NOSPECI.
- (24)** SNINCR.
- (25)** Other SIG Info.

(c) Additive and Automated Maintenance Data.

- (1)** Hourly Precipitation.
- (2)** 3- and 6-Hour Precipitation Amount.
- (3)** 24-Hour Precipitation.
- (4)** Snow Depth on Ground.

- (5)** Water Equivalent of Snow.
- (6)** Cloud Type.
- (7)** Duration of Sunshine.
- (8)** Hourly Temperature/Dew Point (Tenths).
- (9)** 6-Hour Maximum Temperature.
- (10)** 6-Hour Minimum Temperature.
- (11)** 24-Hour Maximum/Minimum Temperature.
- (12)** Pressure Tendency.
- (13)** Sensor Status.
PWINO
FZRANO
TSNO
RVRNO
PNO
VISNO

Examples of METAR reports and explanation:

METAR KBNA 281250Z 33018KT 290V360 1/2SM R31/2700FT SN BLSN FG VV008 00/M03 A2991 RMK RAE42SNB42

METAR aviation routine weather report
KBNA Nashville, TN
281250Z date 28th, time 1250 UTC
(no modifier) . . This is a manually generated report, due to the absence of “AUTO” and “AO1 or AO2” in remarks
33018KT wind three three zero at one eight
290V360 wind variable between two nine zero and three six zero
1/2SM visibility one half
R31/2700FT . . . Runway three one RVR two thousand seven hundred
SN moderate snow
BLSN FG visibility obscured by blowing snow and fog
VV008 indefinite ceiling eight hundred
00/M03 temperature zero, dew point minus three
A2991 altimeter two niner niner one
RMK remarks