

**ALB (#1):**

What is the wind direction and speed at 09Z (0851Z) on the 7th?

Direction 270 deg. Speed 12 knots

What is the temperature/dew point to the nearest tenth of a degree at 21Z on the 7th?

T = 0.6° C Td = -15.0° C

Decode "PRESRR" at 12Z on the 7th Pressure rising rapidly

Decode "PK WND 32027/1359" at 15Z on the 7th

Peak wind at 1359Z (GMT) of 27 knots, out of the northwest (320°).

What is the sea level pressure at:

3Z on the 8th? 1019.9 mb

10Z on the 7th? 1005.5 mb

1Z on the 8th? 1020.2 mb

What was the high in the last six hours at 0Z on the 8th? 2.2° C

What was the low in the last six hours at 6Z on the 8th? -3.3° C

What was the largest 3-hour pressure tendency during the whole period?

6.2 mb (at 15Z on the 7th)

Decode "WSHFT 1704": Wind shift occurred at 1704Z

**SFO (#2):**

Decode "OCNL LTG E" at 3Z on the 8th: Occasional lightning to the east

Decode "RAE0858B33E49" at 10Z on the 8th: Rain ended at 0858Z, began 33 minutes after the hour (0933), and ended 49 min. after the hour (0949)

How much precipitation has fallen in the last hour at:

6Z on the 8th? 0.10"

1Z on the 8th? 0.24"

How much precipitation has fallen in the last six hours at:

6Z on the 8th? 0.71"

0Z on the 8th (2356Z on the 7th)? 0.09"

What is the observed weather at:

3Z on the 8th? Moderate rain and thunderstorm (TSRA) and mist (BR)

0027Z on the 8th? Heavy rain (+RA) and mist (BR)

0056Z on the 8th? Light rain (-RA)

What is the lowest visibility during the whole period? 2 1/2 Mi

**LAX (#3):**

What was the highest temperature during the period 00Z-12Z? 15.6° C

What was the lowest temperature during the period 00Z-12Z? 12.8° C

How much precipitation fell in the:

24 hours ending at 12Z on the 8th? 0.65"

6 hours ending at 06Z on the 8th? 0.05"

6 hours ending at 00Z on the 8th? 0.02"

3 hours ending at 03Z on the 8th? 0.03"

9 hours ending at 12Z on the 8th? 0.60"

Decode "RAE16B33" on the 080450Z report: Rain ended at 16 minutes after the hour (0416Z) and began again at 33 minutes after the hour (0433Z)

What is the temperature and dew point at:

7Z: T = 15.0° C Td = 13.3° C

On the hourly observations, is there any time when the temperature and dew point are equal? On the hour, the temp. and dewpoint are never exactly equal.

**ALB (#4):**

What was the daytime high temp. (12Z-00Z) on the 6th? 3.9° C

What was the overnight low temp. (00Z-12Z) on the 8th? -1.1° C

What was the sea level pressure at 19Z on the 6th? 1009.5 mb

How much precipitation fell in the:

24 hours ending at 12Z on the 7th? 0.78"

6 hours ending at 12Z on the 7th? 0.01"

What time (in Z, or GMT) did the snow begin? 2304Z

Decode "SNINCR 1/3" on the 070251Z report: Snow increasing, 1 new inch in the last hour, three inches on the ground

Decode "SNINCR 3/12" on the 070551Z report: Snow increasing, 3 new inches in the last hour, twelve inches on the ground

What is the snow cover (depth) at 12Z on the 7th? 13"

Decode "+SN FZFG" on the 070351Z report: Heavy snow and freezing fog

**SEA (#5):**

Decode "RAE0358B44E54" in the 130456Z report: Rain ended at 0358Z, began at 44 min. after the hour, and ended 54 min. after the hour

Decode "CB LTGIC NW" in the 130456Z report: Cumulonimbus, and lightning in cloud to the northwest of the station

Decode "CB W-N-E MOV E TCU ALQDS" in the 122256Z report: Cumulonimbus west, north and east moving east. Towering cumulus in all directions (quadrants)

What does "COR" mean in the 122056Z report? The report is a correction from an error in the last METAR.

Decode "SH DSNT SE-W" in the 122156Z report: Showers distant southeast and west of station

At what date/times was heavy rain reported? 2056Z on the 12th, and 0524Z on the 13th.

At what time did the rain end? 0810Z on the 13th.

How much rain fell in the last 3 hours at 3Z on the 13th? A trace.

Decode "OCNL LTGICCC VC NW TS NW MOV E":

Occasional lightning in cloud, and cloud-to-cloud in the vicinity to the northwest. Thunderstorm to the northwest moving east.

**TIK (#6):**

What is the sea level pressure at 23Z on the 4th? 1000.0 mb

What is the visibility and present weather in the 050132Z report?

Visibility 1/2 mile, and a tornado is presently on the ground (+FC)

Decode "TORNADO B27E59 MOVED NE CONS LTGICCCCG TS OHD MOV NE" in the 050155Z report:

Tornado began at 27 min. after the hour (0127Z) and ended at 59 min. after the hour (0159Z), moving northeast. Constant lightning in cloud, cloud-to-cloud, and cloud-to-ground. Thunderstorm overhead moving northeast.

Decode "GR 1/2" in the 050204Z report: 1/2" diameter hail

What is the wind speed and direction reported at 050132Z? 45 knots gusting to 55 knots, out of the south-southwest (190 degrees).