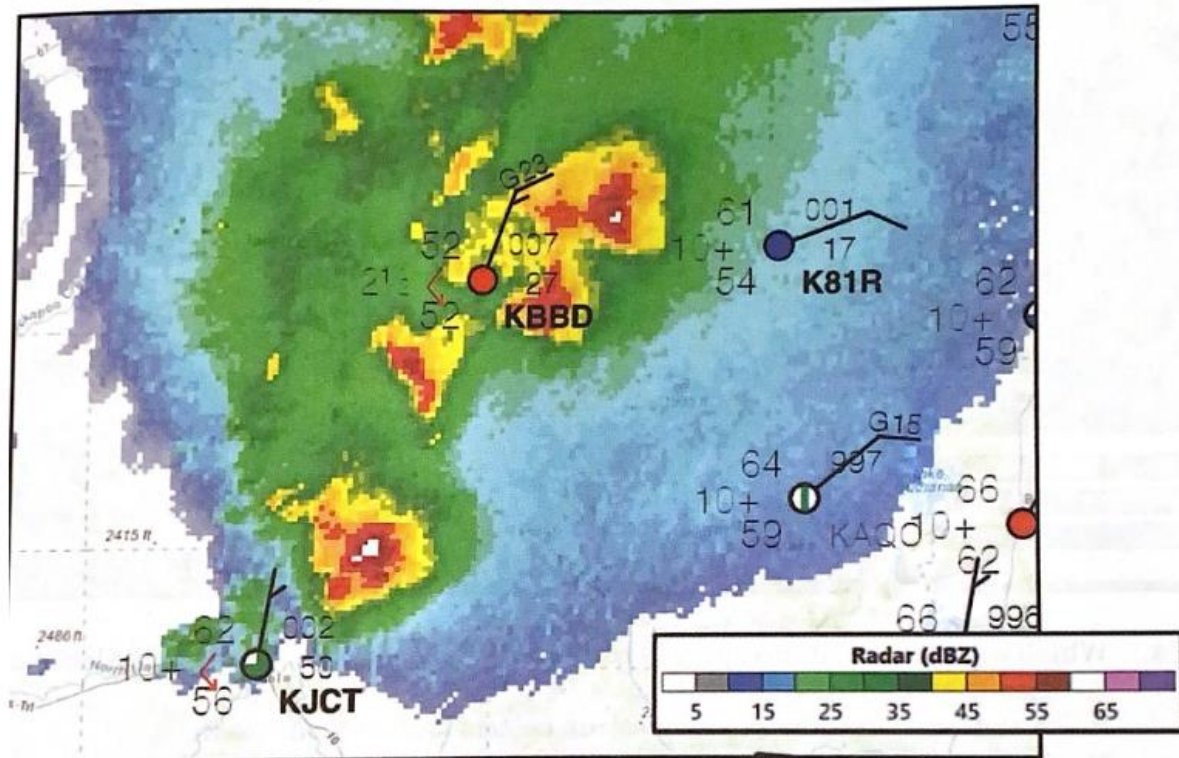


Question 1

Which of these precipitation conditions exists?

Refer to the radar image to answer question 1.



- ☐ Moderate to heavy precipitation west of K81R and KBBB
- ☐ Very light precipitation over K81R and KBBB
- ☒ Moderate to heavy precipitation northeast of KBBB and KJCT

Correct answer

Question 2

Select the true statement regarding satellite imagery.

- ☐ IR and water vapor imagery are only available during daylight hours.
- ☒ You can use water vapor imagery to determine the movements of weather systems, jet streams, and thunderstorms
- ☐ In IR images, clouds appear white and land and water surfaces appear in shades of gray or black.

Correct answer

Question 3

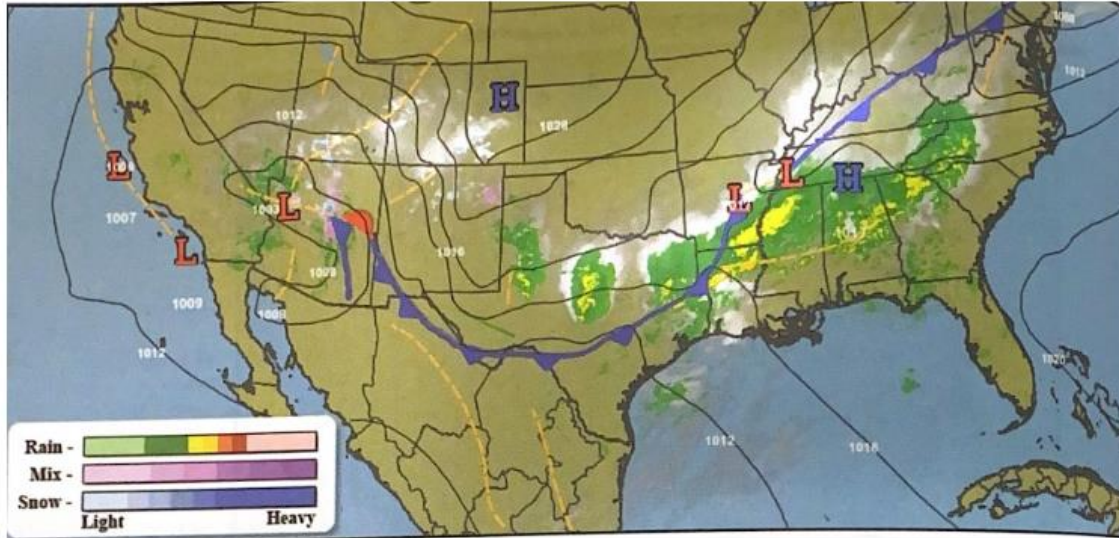
What items are shown on a surface analysis chart?

- ☐ Forecast surface winds and temperatures at selected reporting stations
- ☒ Positions of highs, lows, ridges, troughs and the location and type of fronts
- ☐ Areas of VFR, MVFR, IFR and LIFR

Wrong answer

Question 4

Which weather conditions apply to portions of Louisiana, Mississippi, and Alabama?

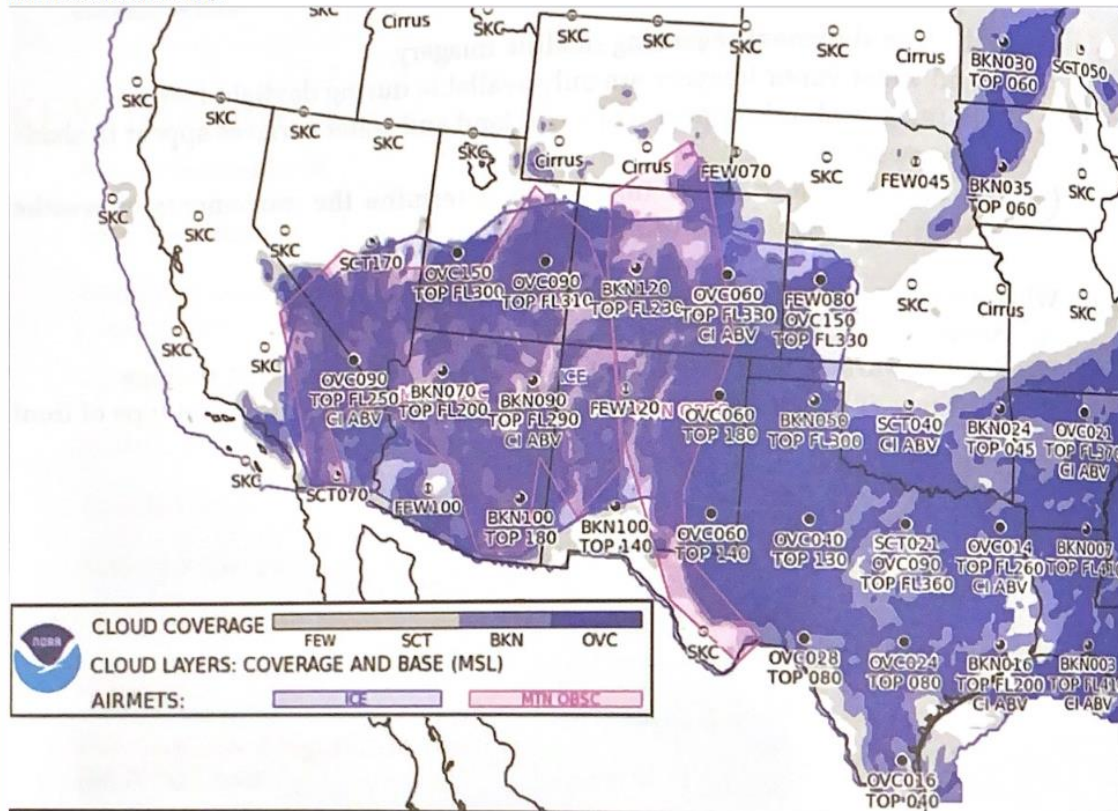


- ☐ Heavy Precipitation
- ☒ A stationary front with low pressure centers located to the north
- ☐ Light to moderate rain extending north of an elongated area of low pressure

Question 5

0 / 1 pts

Which forecast conditions apply?

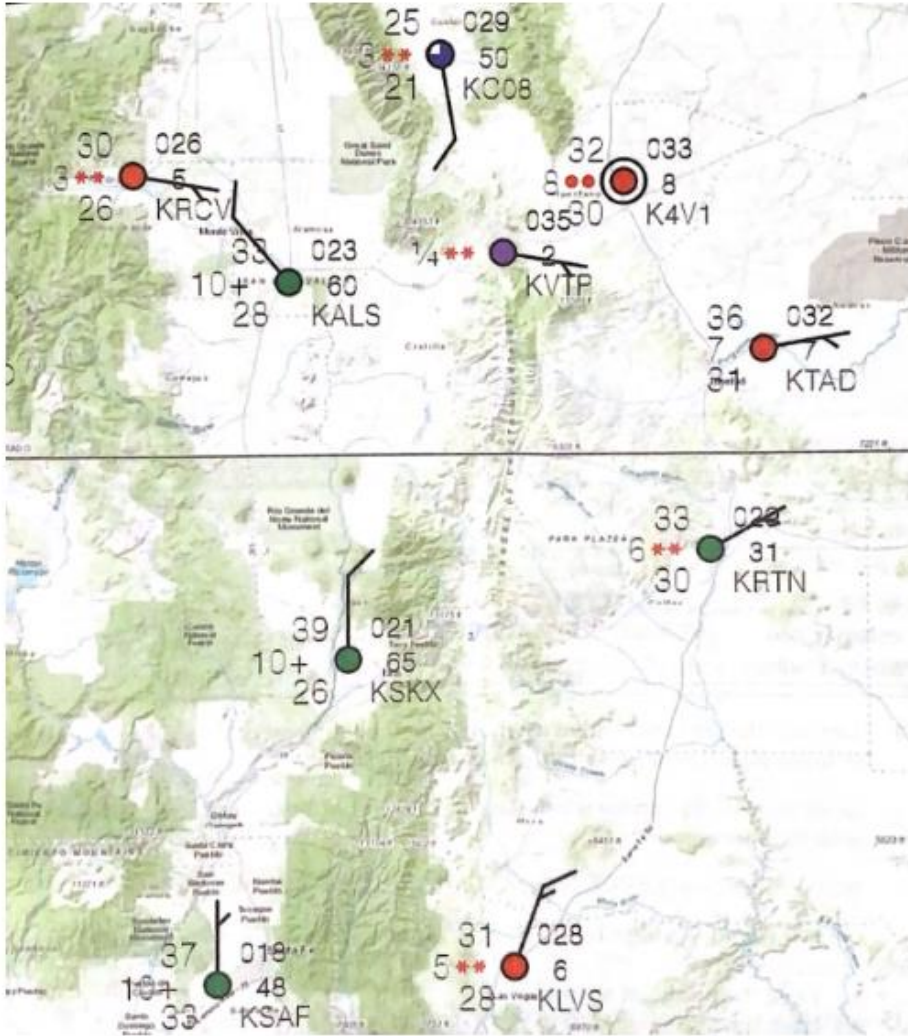


- ☐ Overcast skies with cloud bases at 4,000 ft MSL over central Oklahoma
- ☒ AIRMETS for icing and mountain obscuration over Arizona
- ☒ Overcast skies with cloud bases at 9,000 ft AGL over southwest California and Nevada

Correct answer

Question 6

Which airport(s) are reporting calm wind conditions?



☐ KSAF

☐ KLVS

☒ K4V1

☐ KVTP

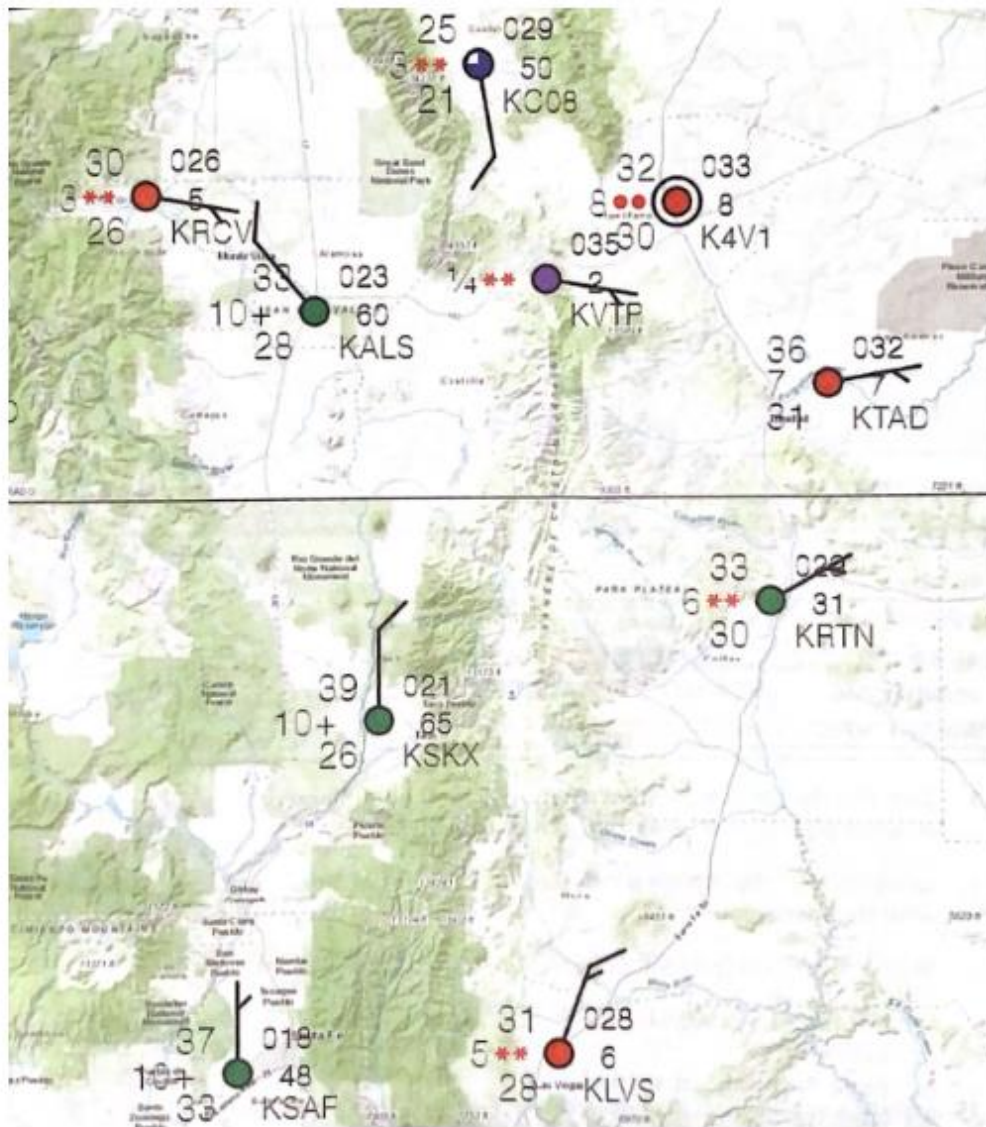
☐ KRTN

☐ KSKX

Wrong answer

Question 7

Which airport(s) have ceilings between 1,000 to 3,000 ft and/or visibility 3 to 5 statute miles inclusive?



☒ KC08

☒ KLVS

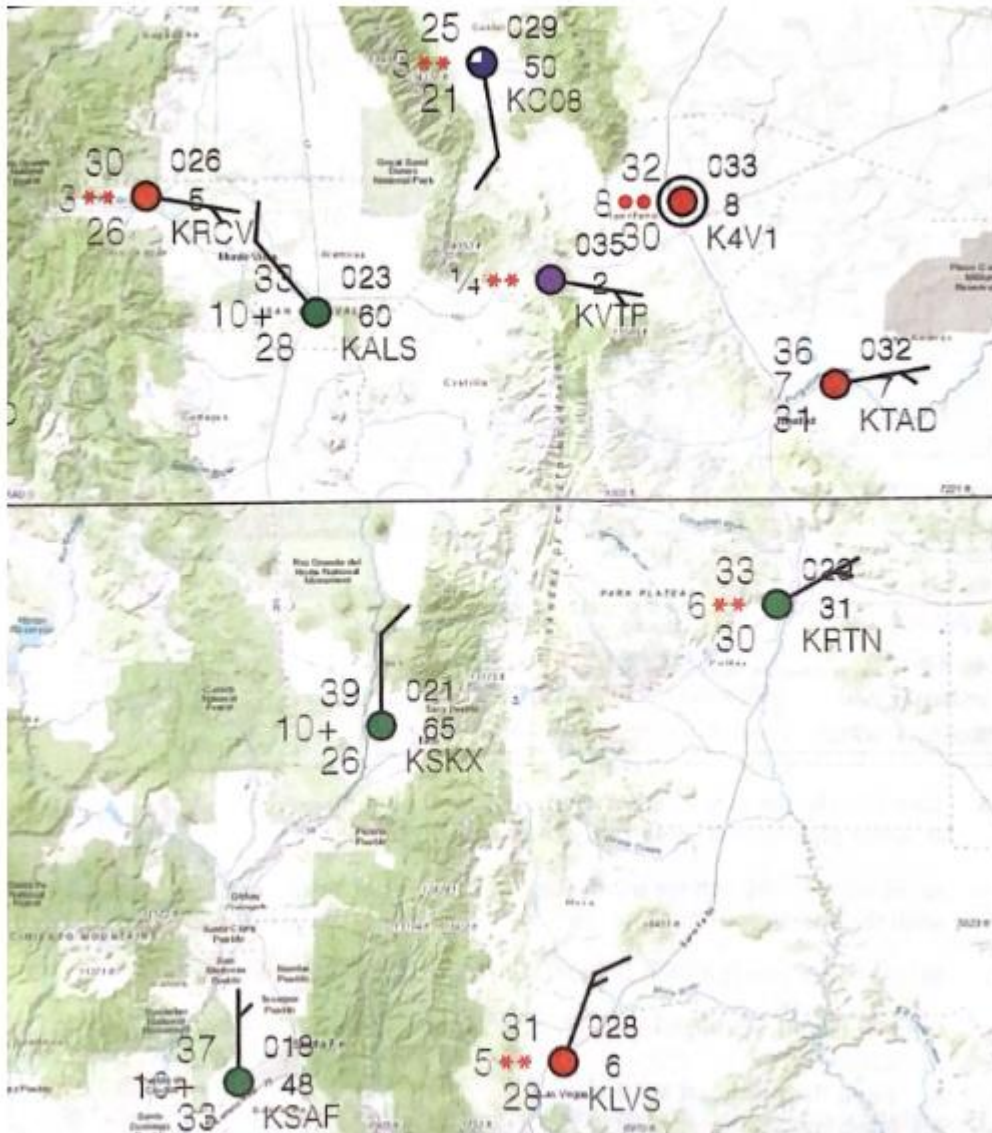
☐ KSKX

☐ KRTN

Wrong answer

Question 8

What is the wind direction and wind speed at KALS?



→ 320° at 10 knots

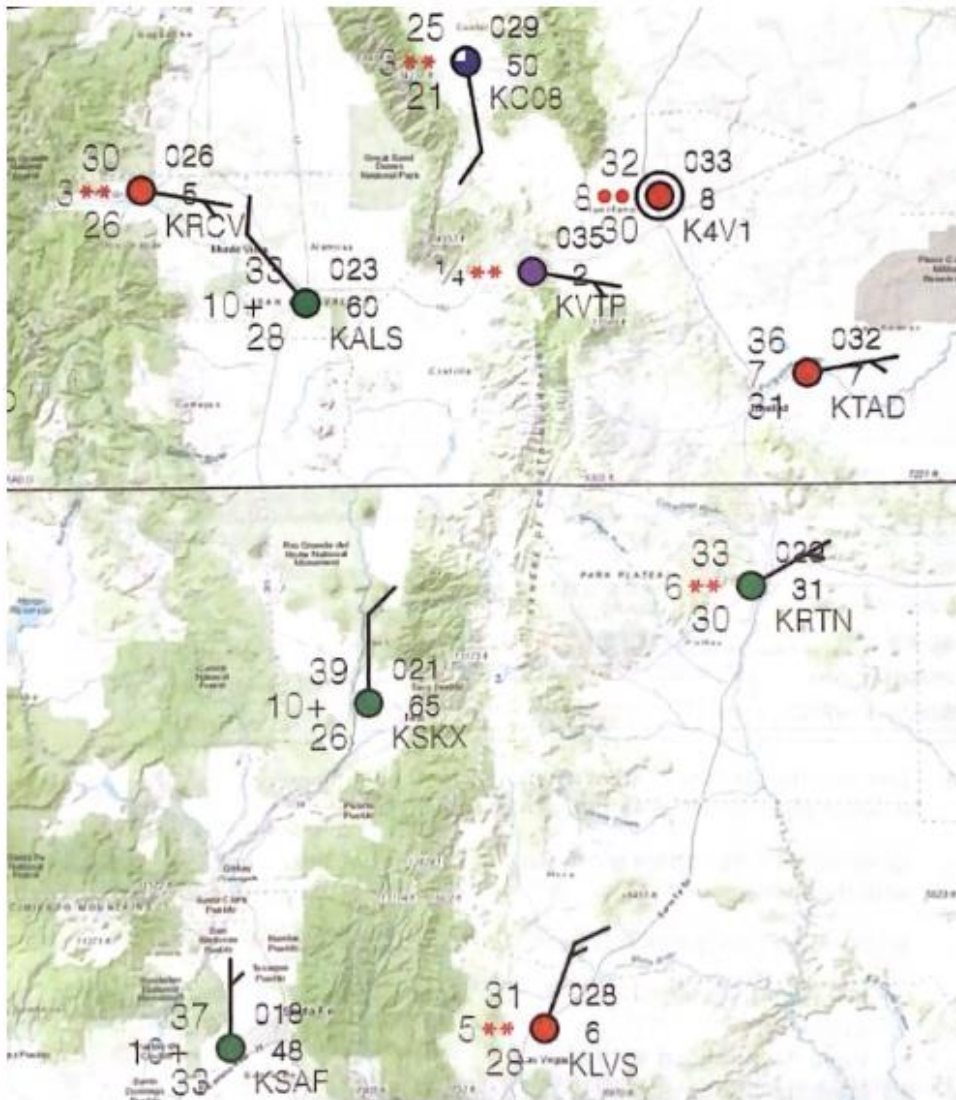
✗ 300° at 5 knots

○ 040° at 10 knots

Wrong answer

Question 9

What weather phenomena is occurring at KRTN and KVTP?



☒ Moderate Snow

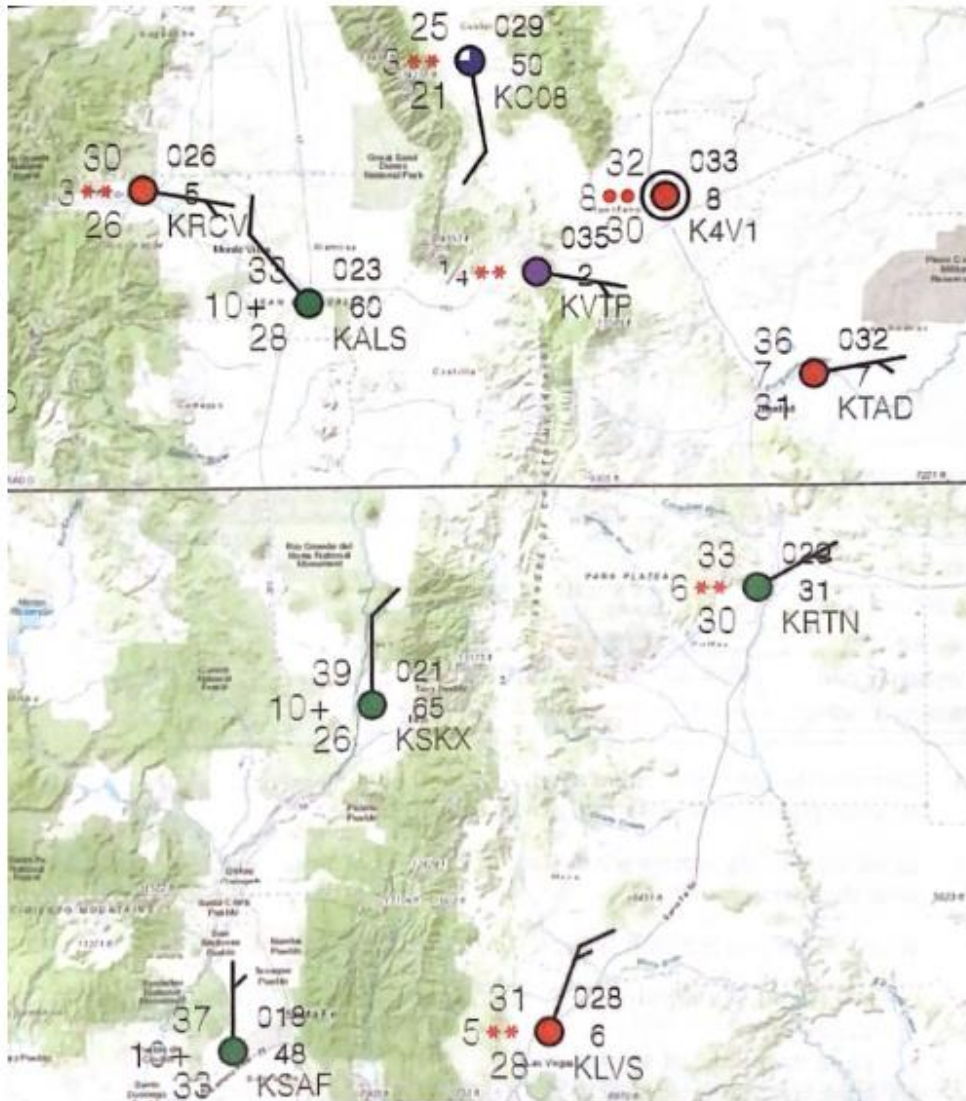
☐ Light Rain

☐ Light Snow

Wrong answer

Question 10

What is the altimeter setting for KLVS?



☒ 3028 millibars

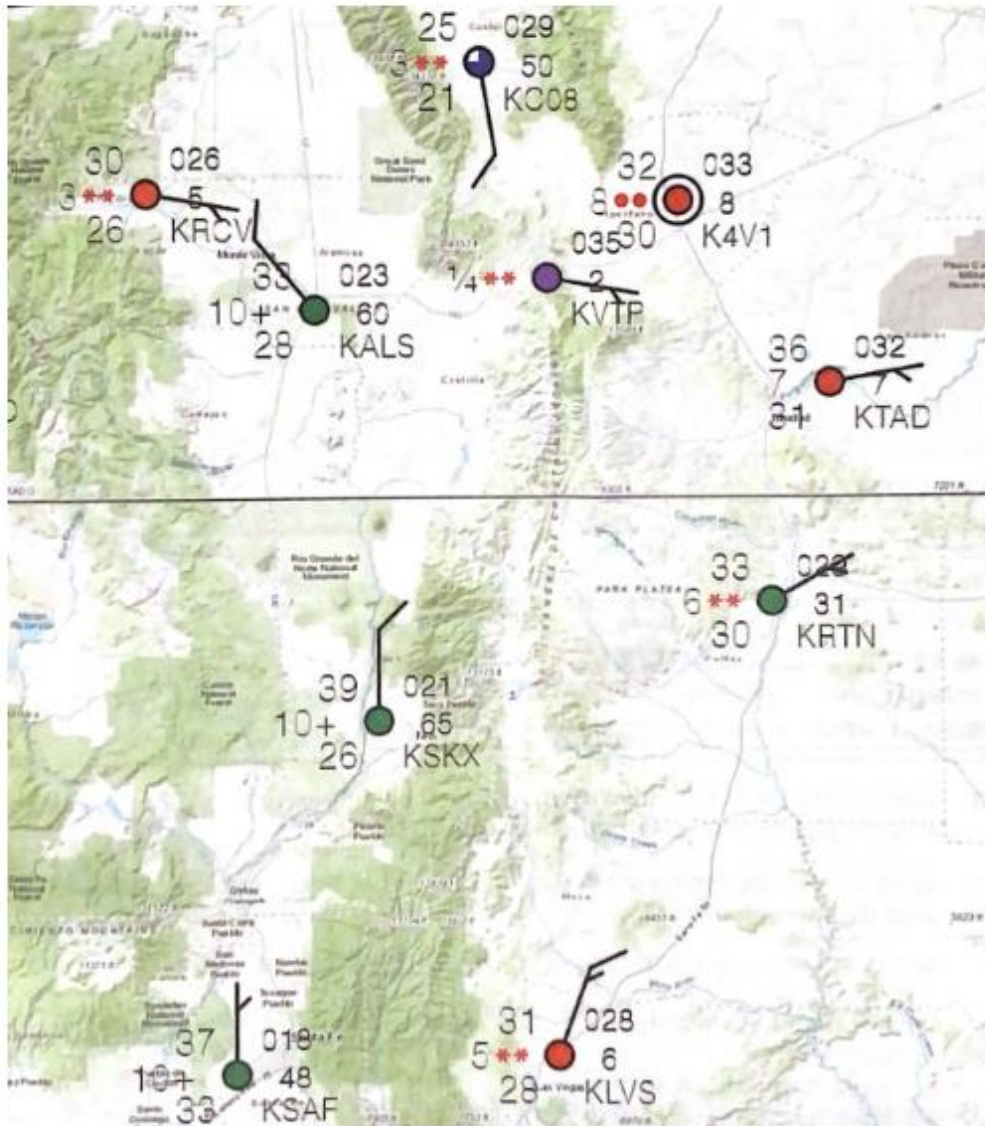
☐ 30.28 in Hg

☐ 30.18 in Hg

Correct answer

Question 11

What is the ceiling and visibility at KC08?

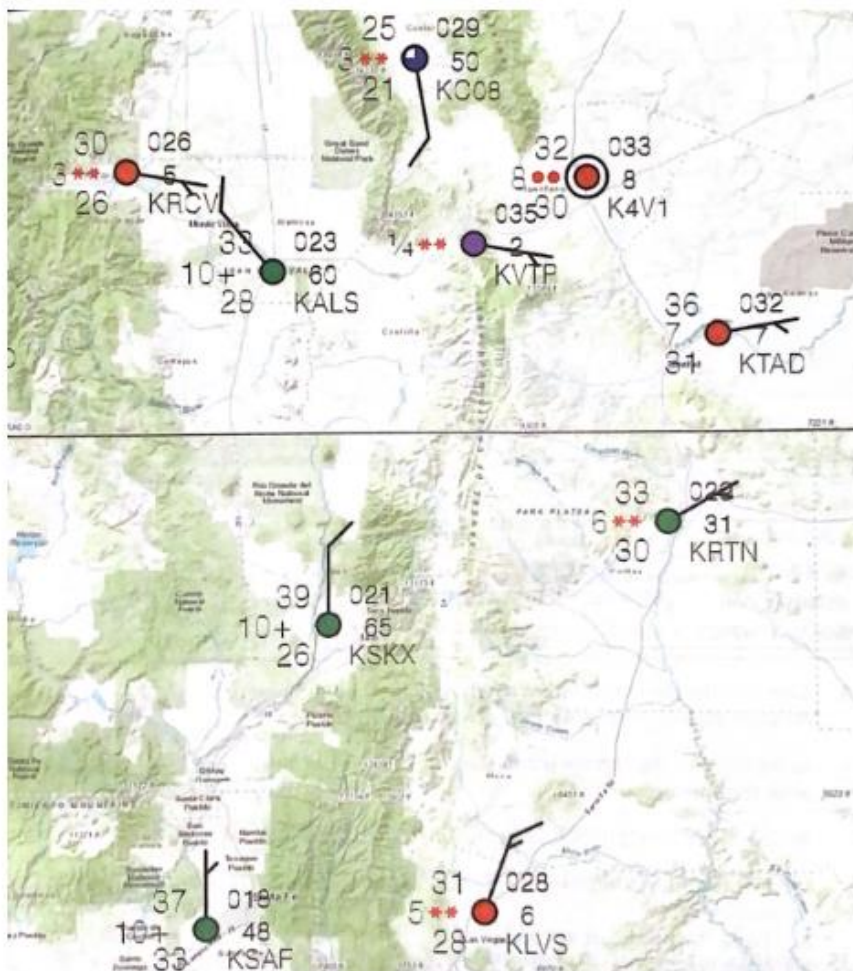


☐ 5,000 ft AGL and 3 nautical miles visibility

☐ 5,000 ft MSL and 3 statute miles visibility

☒ 5,000 ft AGL and 3 statute miles visibility

Which airport(s) are reporting VFR conditions?



→  KRTN

☒ KSIKX

KLVS

→ ☐ KALS

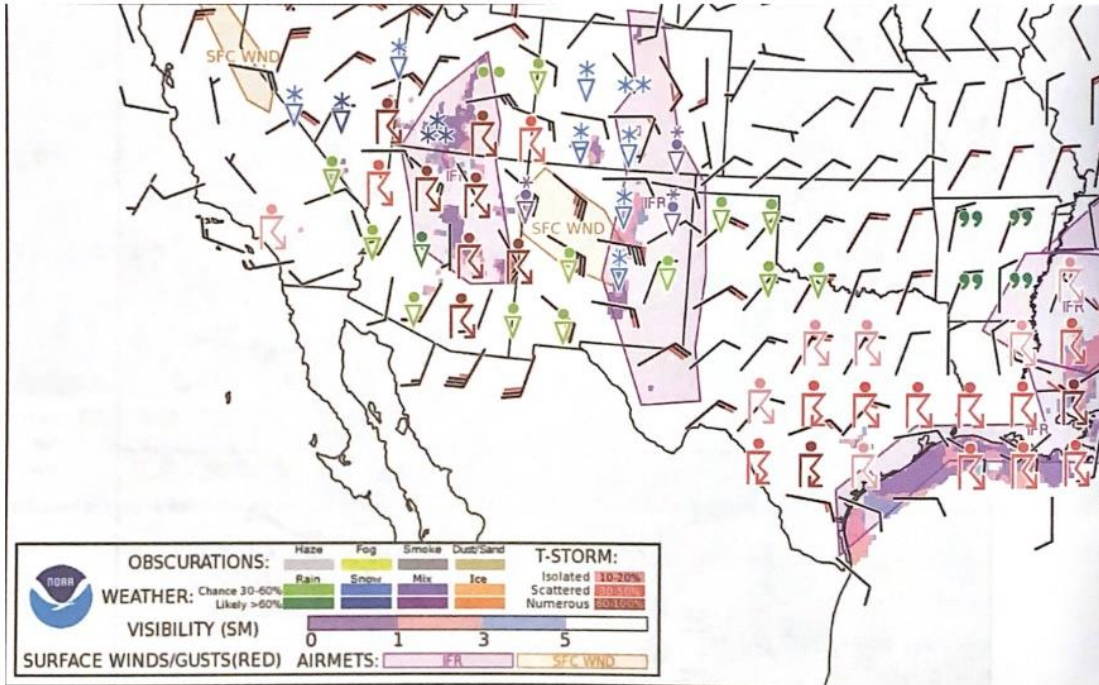
☒ KSAF

KRCV

Wrong answer

Question 13

Describe the forecast weather conditions for the southeast coast of Texas in terms of weather phenomena, visibility, winds, and advisories.



☐ Less than 1 SM visibility, thunderstorms and an AIRMET for IFR

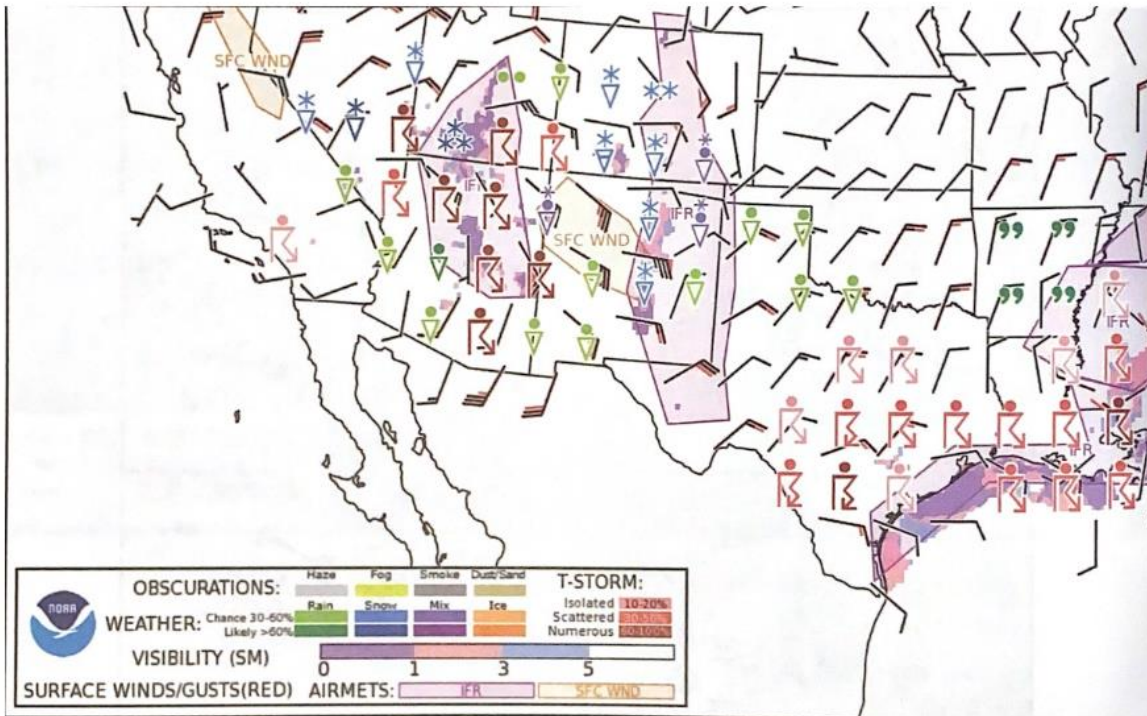
☒ 5 SM visibility, thunderstorms, winds less than 10 knots

☐ Clear, calm, no restrictions to visibility

Correct answer

Question 14

In which state are surface winds forecast in excess of 30 knots that are not associated with thunderstorms?



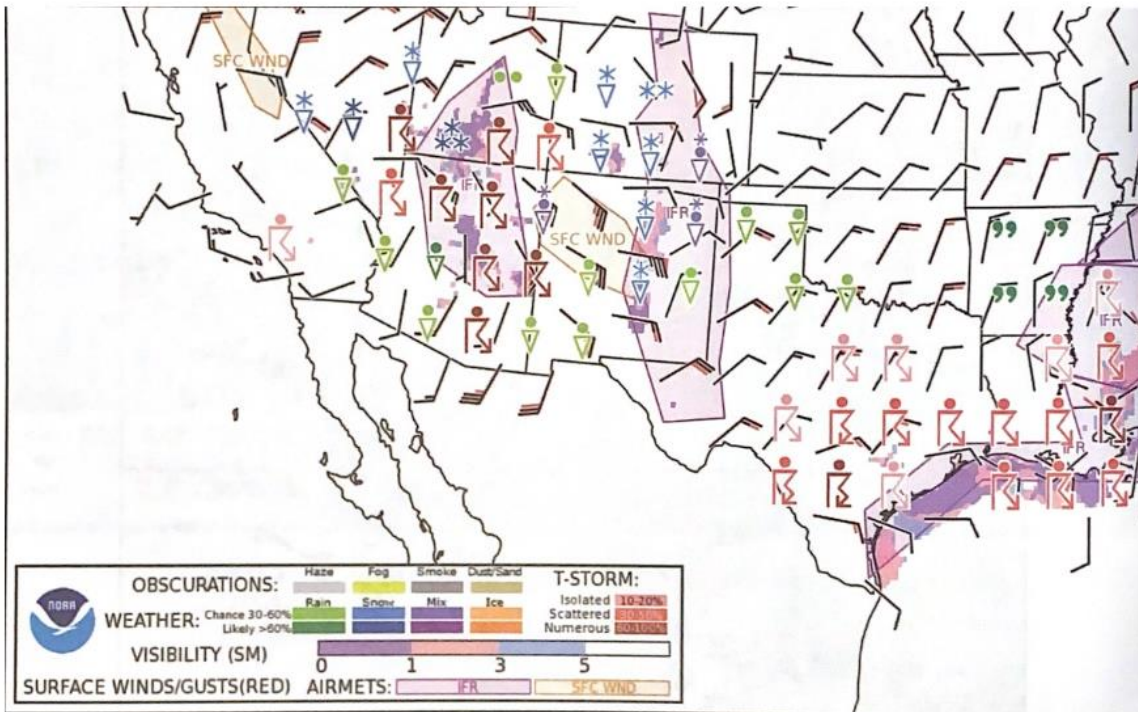
- ☐ Texas
- ☐ Arizona
- ☒ New Mexico

Wrong answer

Wrong answer

Question 15

What type of precipitation is forecast in Colorado?



☒ snow

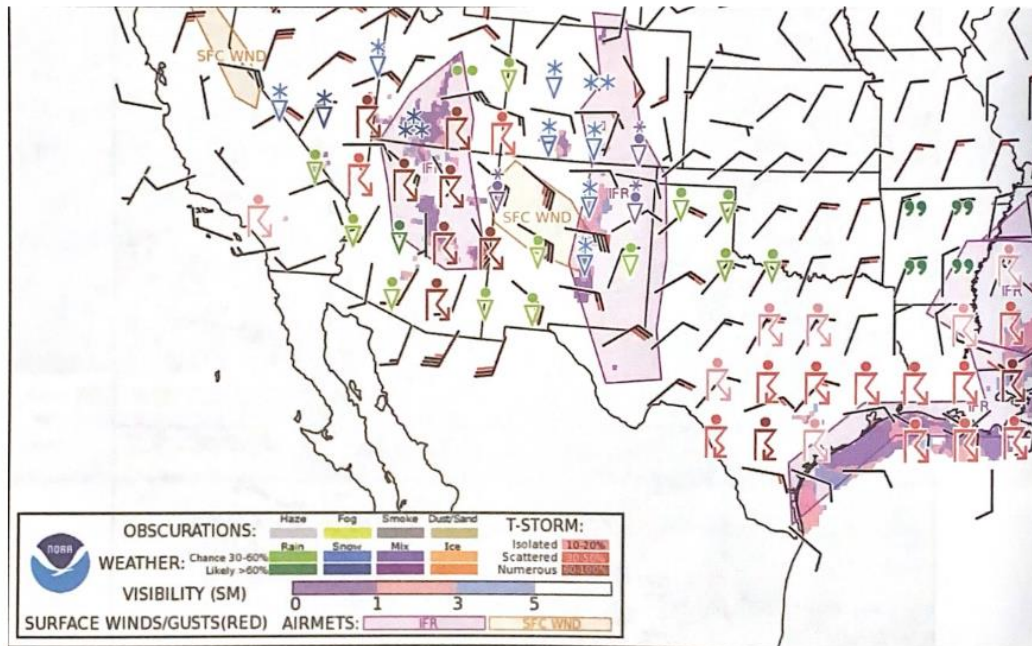
☐ rain and rain showers

☐ snow and snow showers

Correct answer

Question 16

What is the approximate primary direction and speed of the forecast surface winds in Oklahoma?



- ☒ From the northeast at 10 to 15 knots with gusts to 20 knots
- ☐ From the southwest at 10 to 15 knots with gusts to 20 knots
- ☐ From the northeast at 20 knots

Wrong answer

Question 17

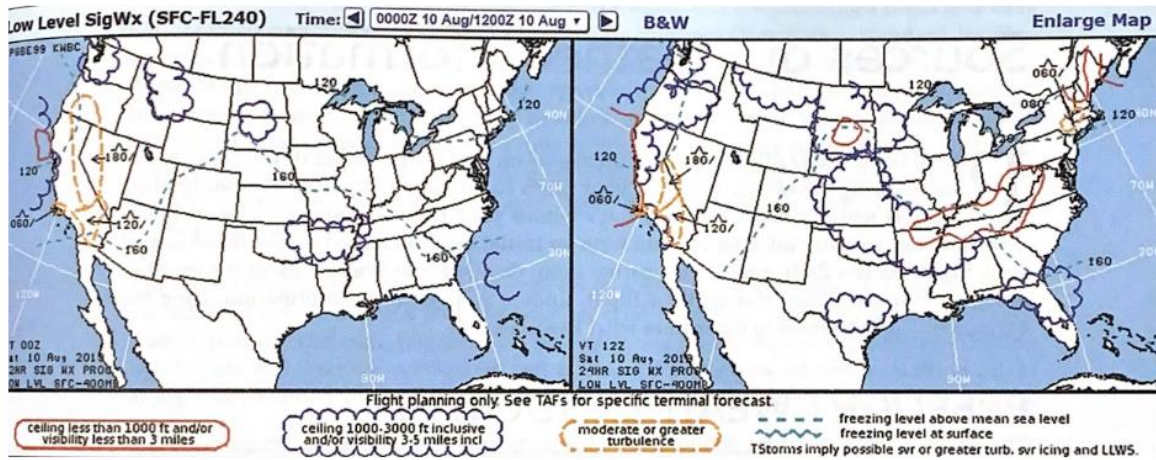
The low-level significant weather chart is for use from the surface up to what altitude?

- ☐ FL 630
- ☒ FL 240
- ☐ 24,000 ft AGL

Wrong answer

Question 18

What condition is forecast for southern California at 0000Z?

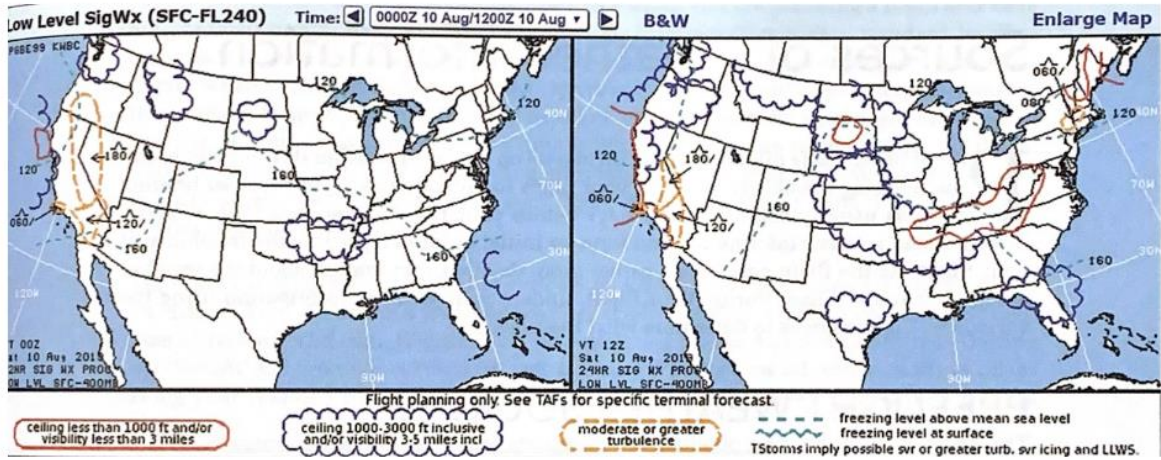


- ☒ Moderate or greater turbulence below 12,000 ft MSL
- ☐ Freezing level at the surface
- ☐ Ceilings less than 1,000 ft and/or visibility less than 3 miles

Wrong answer

Question 19

Which forecast is correct for Kansas?



☐ MVFR at 0000Z and VFR at 1200Z

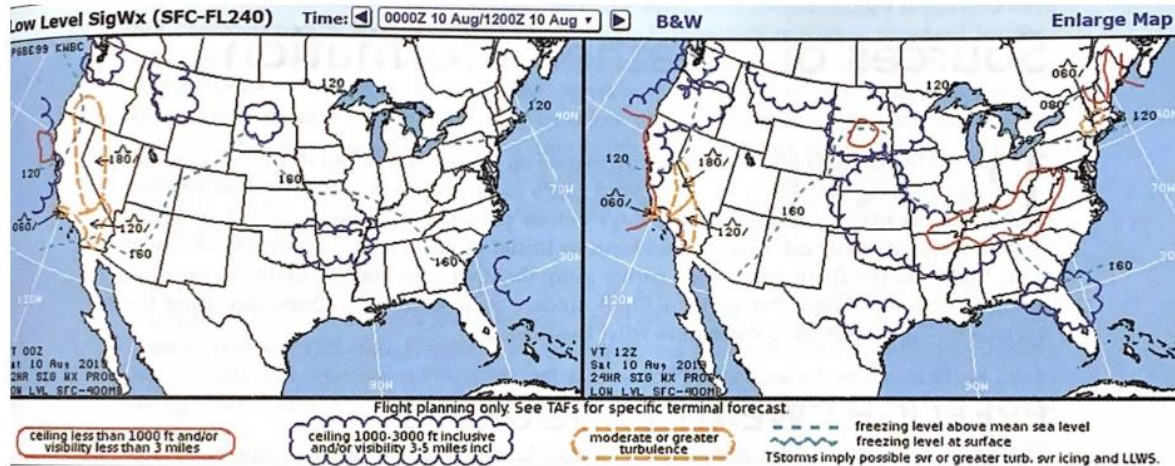
☒ VFR at 0000Z and MVFR at 1200Z

☐ VFR at 0000Z and IFR at 1200Z

Correct answer

Question 20

What altitude is the forecast freezing level in Colorado at 1200Z?



☐ Unknown

☒ FL 160

☐ FL 120

Wrong answer

Question 21

Select the true statement regarding graphic weather products.

- ☒ → Surface prog charts enable you to obtain an overview of the progression of pressure systems, fronts, and precipitation over several days.
- ☐ ✗ G-AIRMETs display the lateral boundaries of weather hazards, such as icing, thunderstorms, and sandstorms
- ☐ The SPC convective outlook depicts radar images of current thunderstorm precipitation and a forecast for convective activity for the next 5 hours