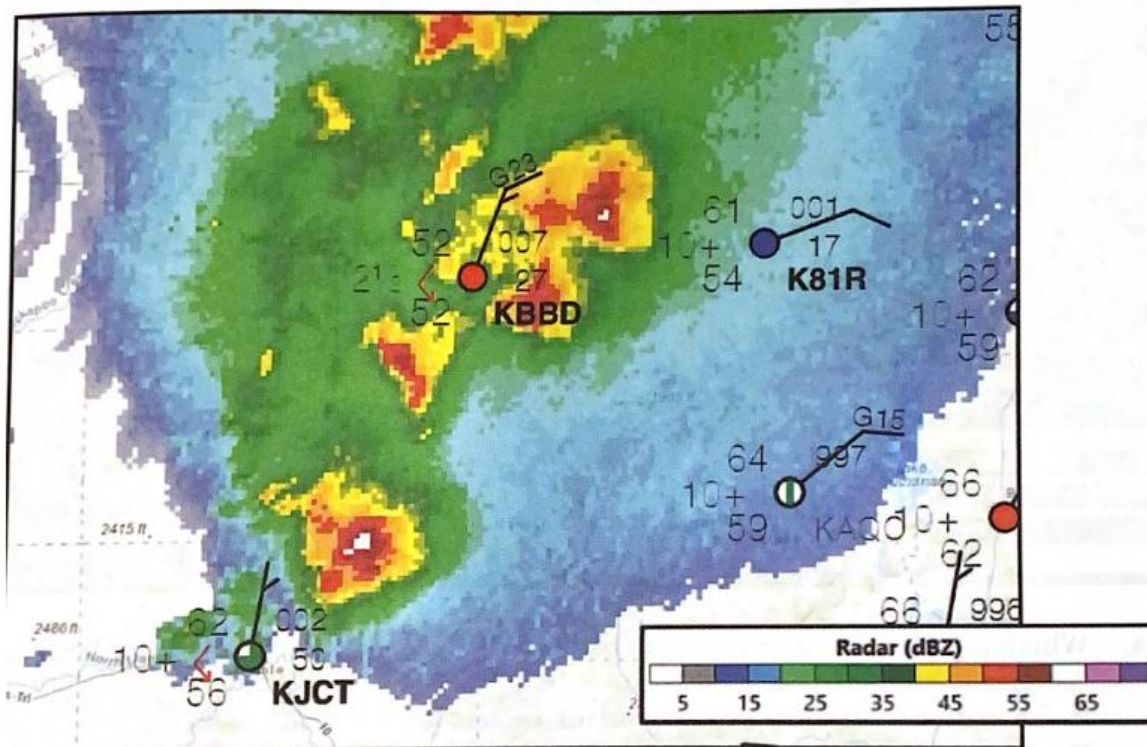


Which of the these precipitation conditions exists?

Refer to the radar image to answer question 1.



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

Correct answer

Question 2

1 / 1 p

Select the true statement regarding satellite imagery.



You can use water vapor imagery to determine the movements of weather systems, jet streams, and thunderstorms



IR and water vapor imagery are only available during daylight hours.




In IR images, clouds appear white and land and water surfaces appear in shades of gray or black.

Correct answer

Question 3

1 / 1 pts

What items are shown on a surface analysis chart?

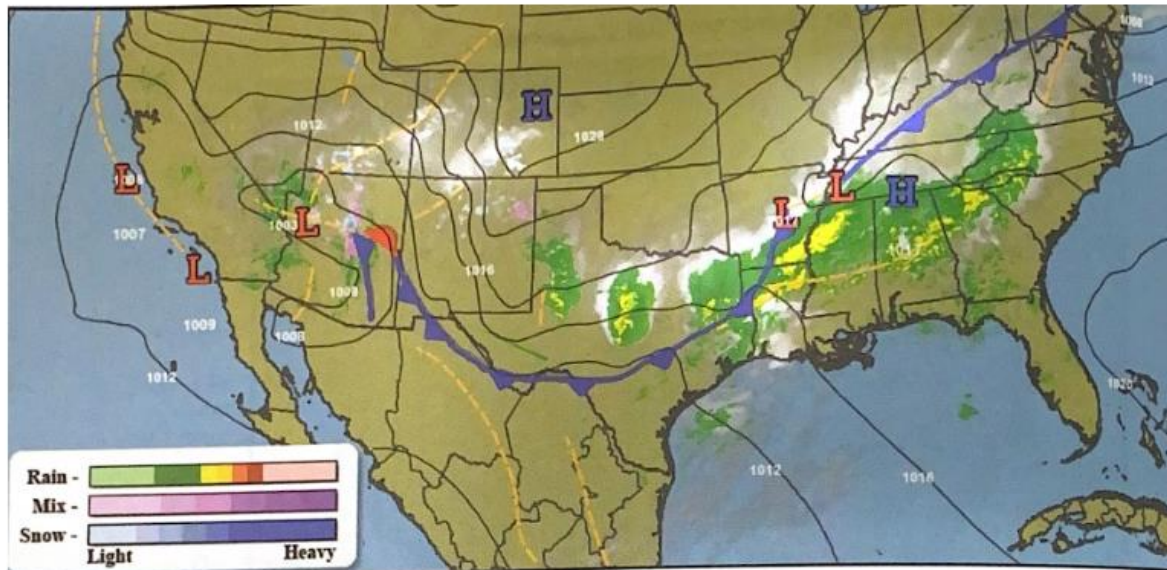
- ☒  Positions of highs, lows, ridges, troughs and the location and type of fronts
- ☐ Areas of VFR, MVFR, IFR and LIFR
- ☐ Forecast surface winds and temperatures at selected reporting stations

Correct answer

Question 4

1 / 1 pt

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



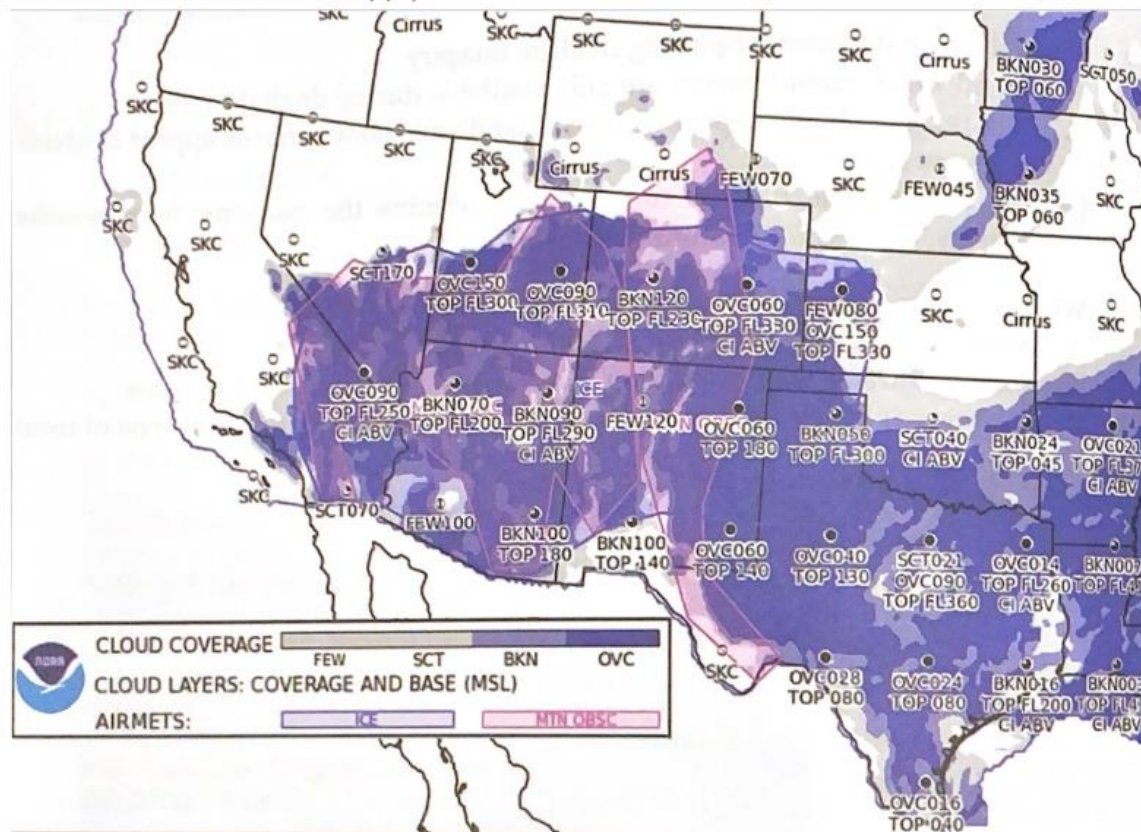
- ☒ Light to moderate rain extending north of an elongated area of low pressure
- ☐ A stationary front with low pressure centers located to the north
- ☐ Heavy Precipitation

Correct answer

Question 5

1 / 1 pts

Which forecast conditions apply?



☐ Overcast skies with cloud bases at 9,000 ft AGL over southwest California and Nevada

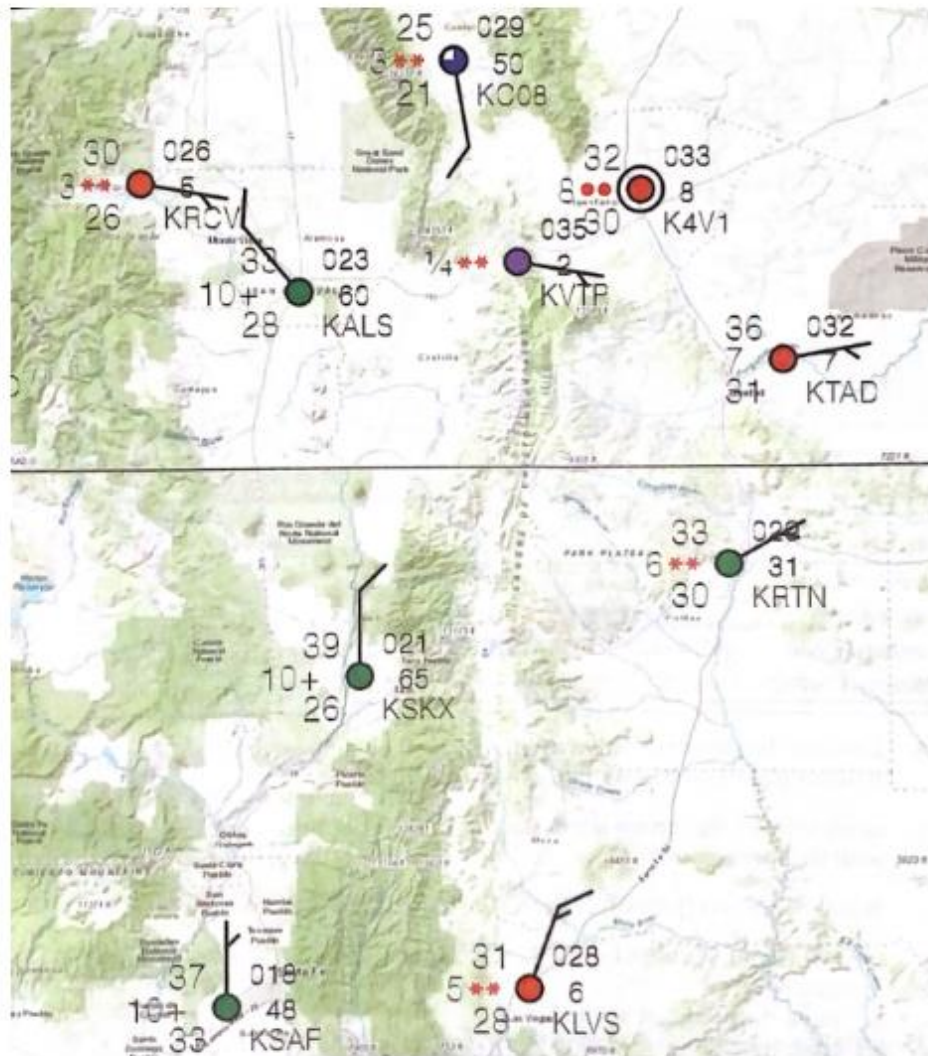
☒ AIRMETs for icing and mountain obscuration over Arizona

☐ Overcast skies with cloud bases at 4,000 ft MSL over central Oklahoma

Correct answer

Question 6

Which airport(s) are reporting calm wind conditions?



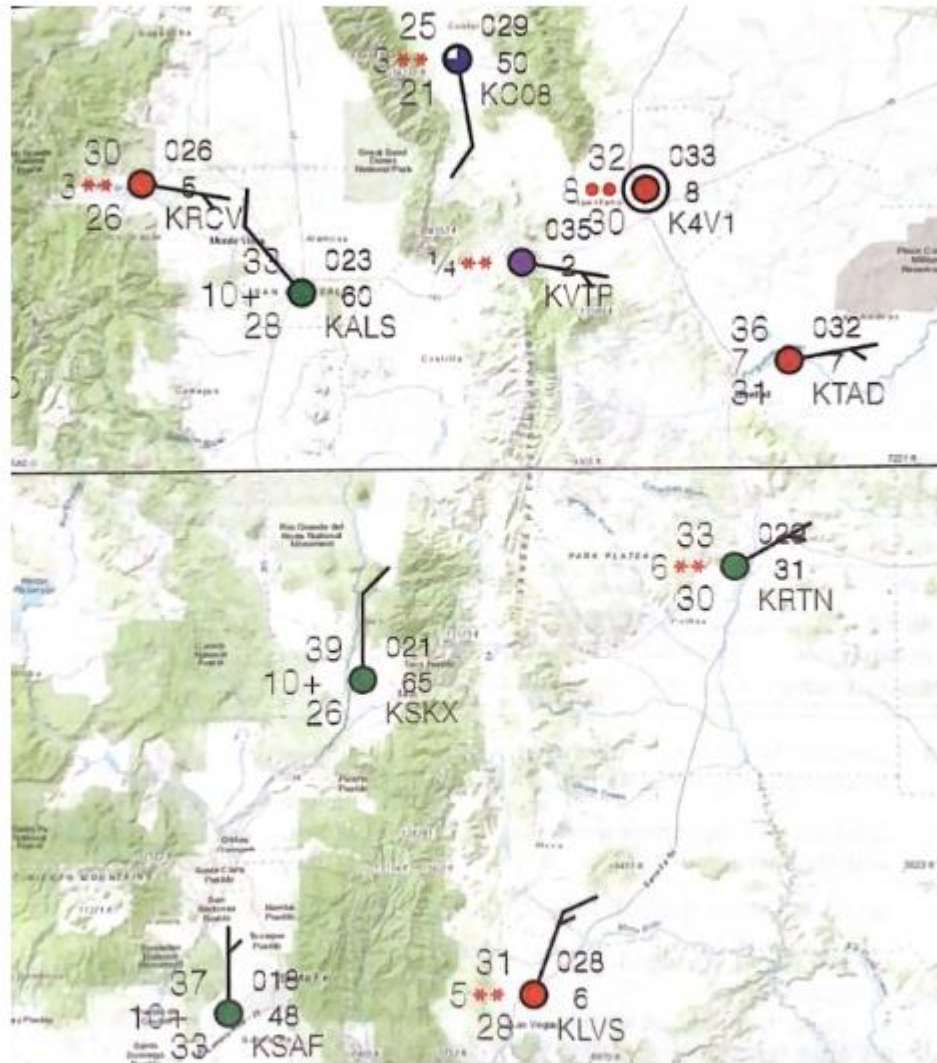
☐ KSKX

☐ KRTN

Correct answer

Question 7

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



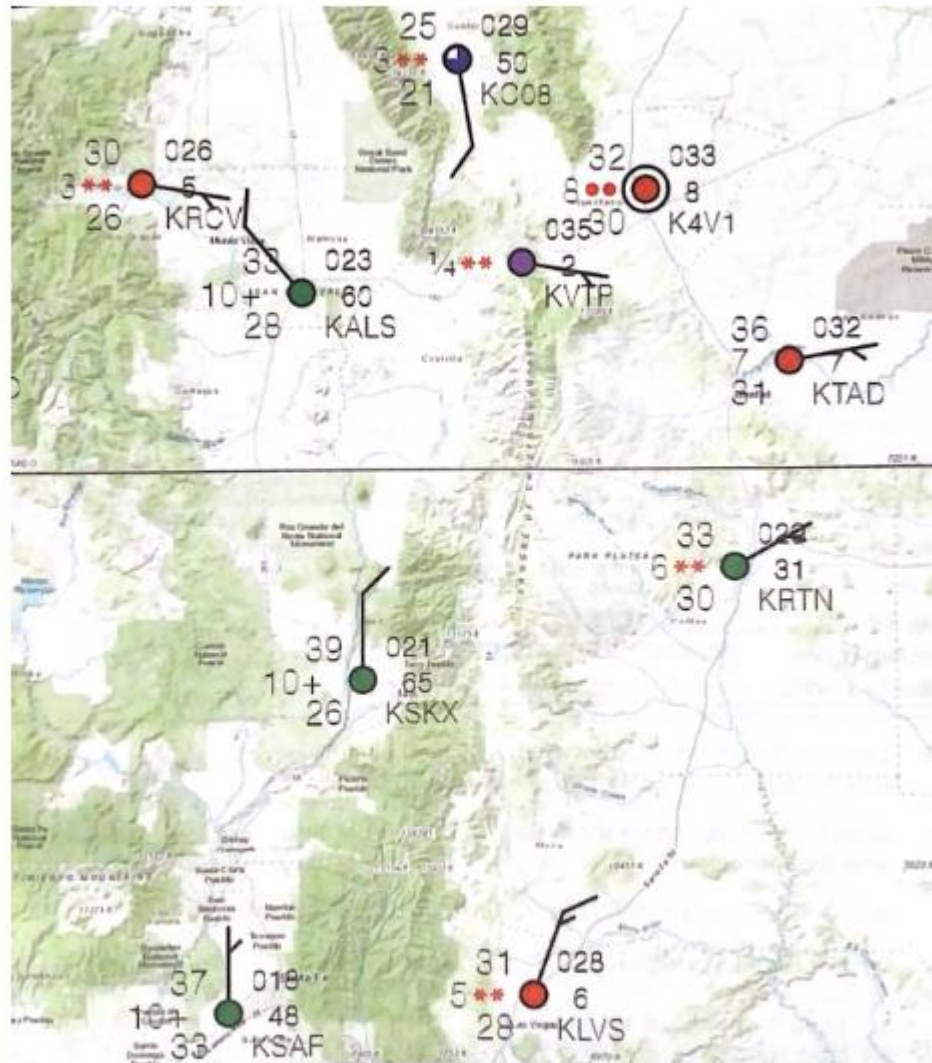
☐ KLVS

☐ KRTN

Correct answer

Question 8

What is the wind direction and wind speed at KALS?

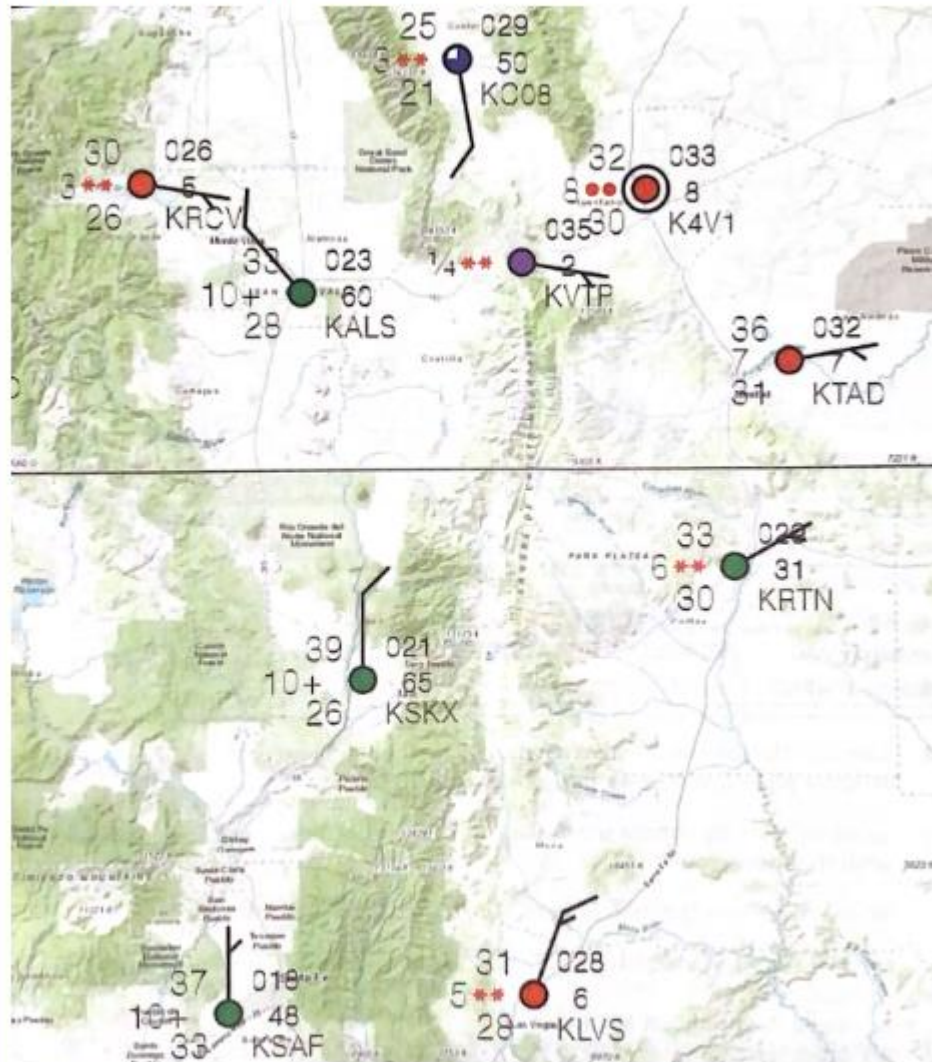


☒ 320° at 10 knots

☐ 040° at 10 knots

Question 9

What weather phenomena is occurring at KRTN and KVTP?



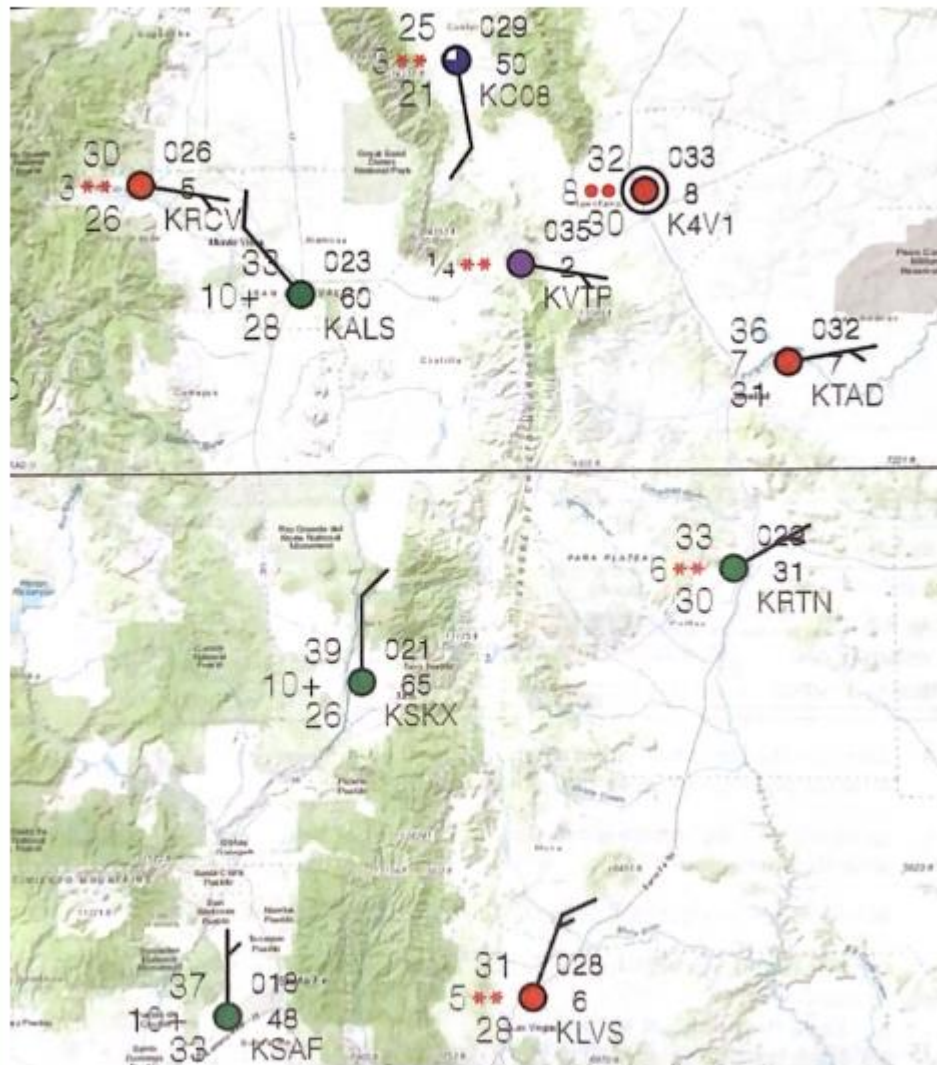
○ Light Rain

 Light Snow

Correct answer

Question 10

What is the altimeter setting for KLVS?



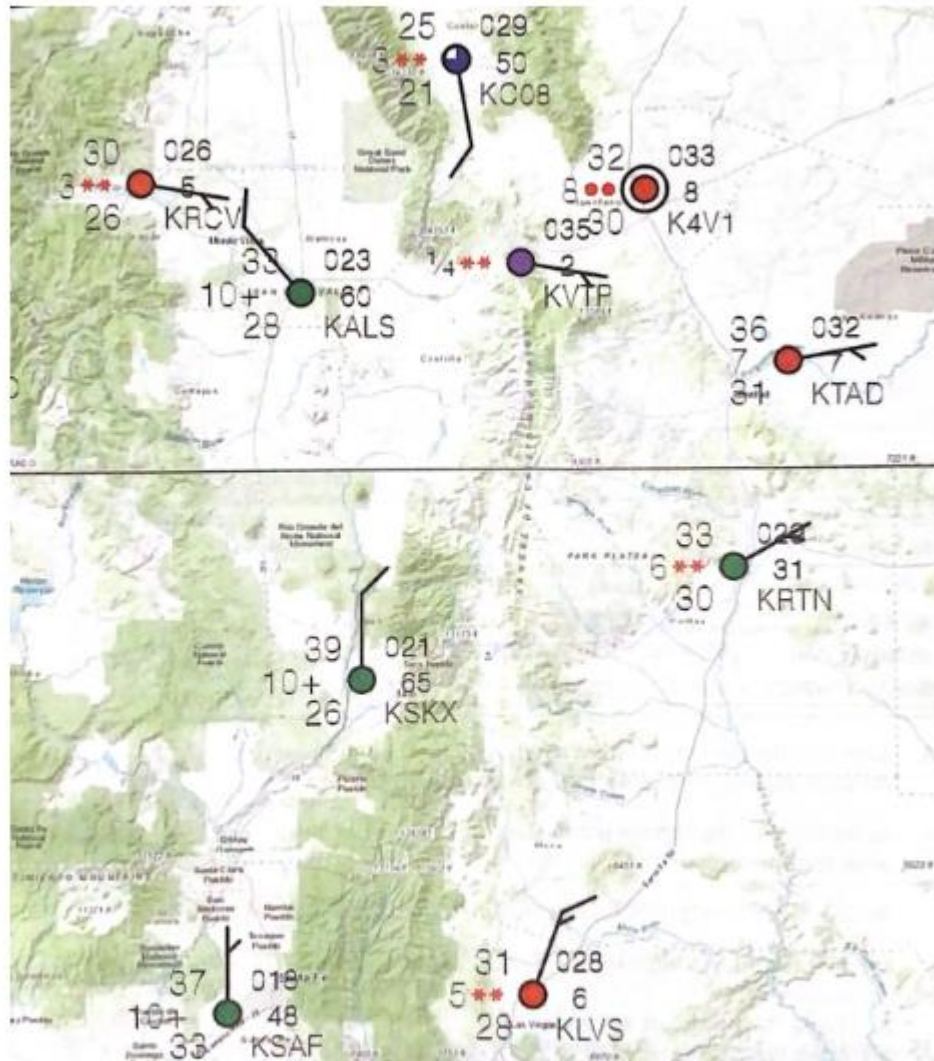
3028 millibars

30.28 in Hg

Correct answer

Question 11

What is the ceiling and visibility at KC08?

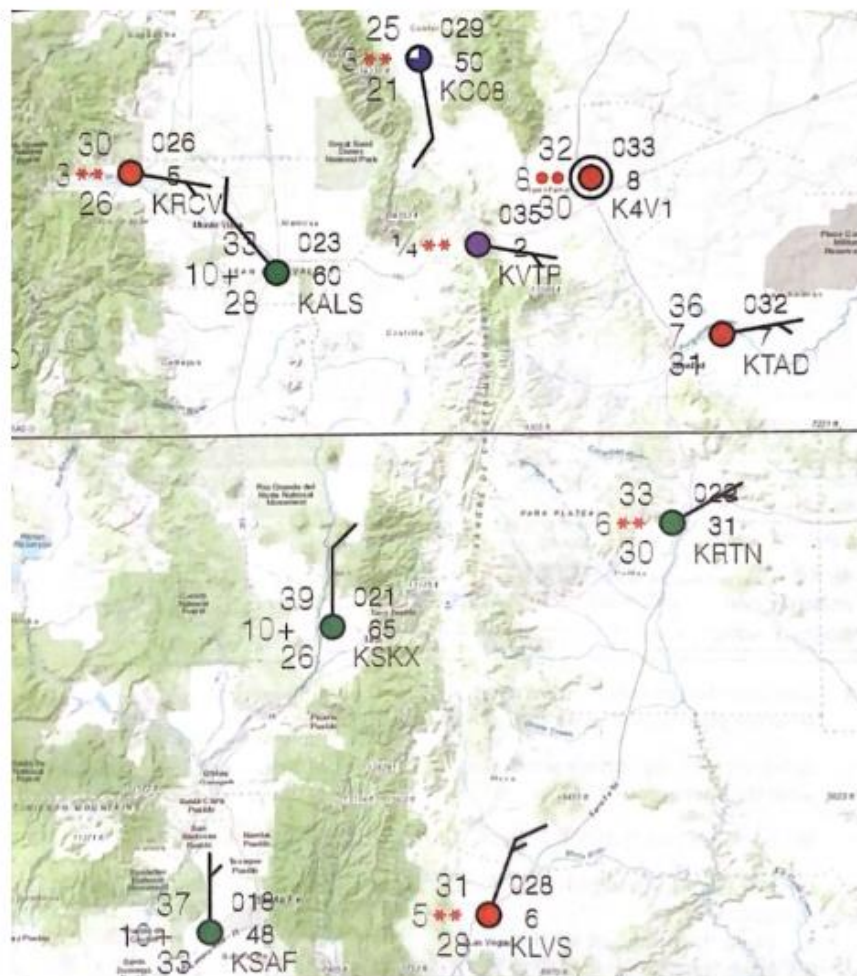


☐ 5,000 ft AGL and 3 nautical miles visibility

☐ 5,000 ft MSL and 3 statute miles visibility

Question 12

Which airport(s) are reporting VFR conditions?



☒ K4V1

☐ KVTP

☐ KLVS

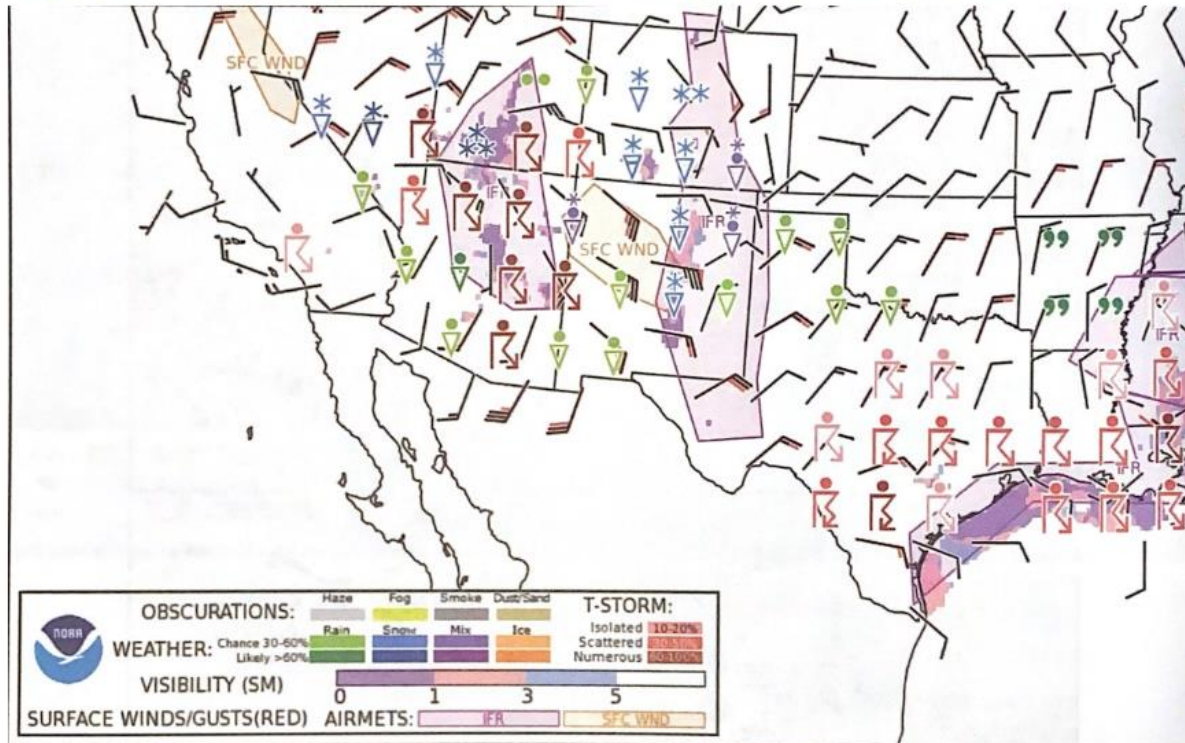
☐ KTAD

☒ KRTN

Correct answer

Question 13

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



☐ Clear, calm, no restrictions to visibility

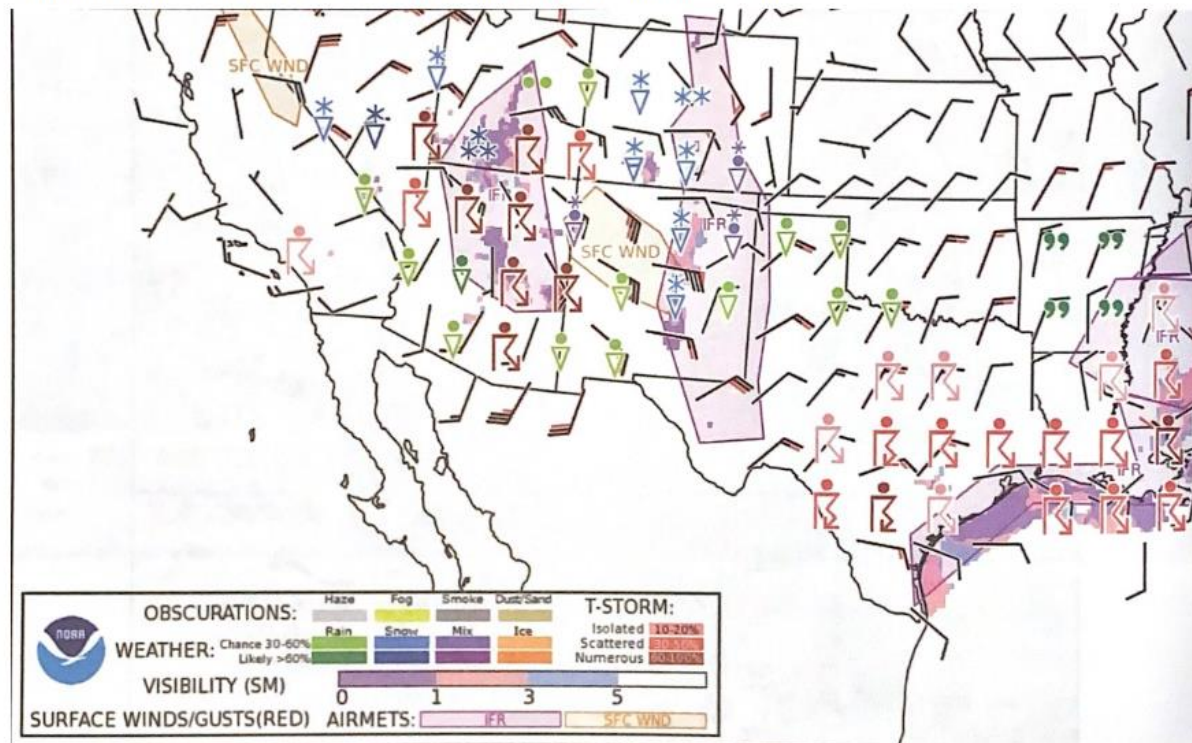
☒ Less than 1 SM visibility, thunderstorms and an AIRMET for IFR

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

Correct answer

Question 14

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



☐ Arizona

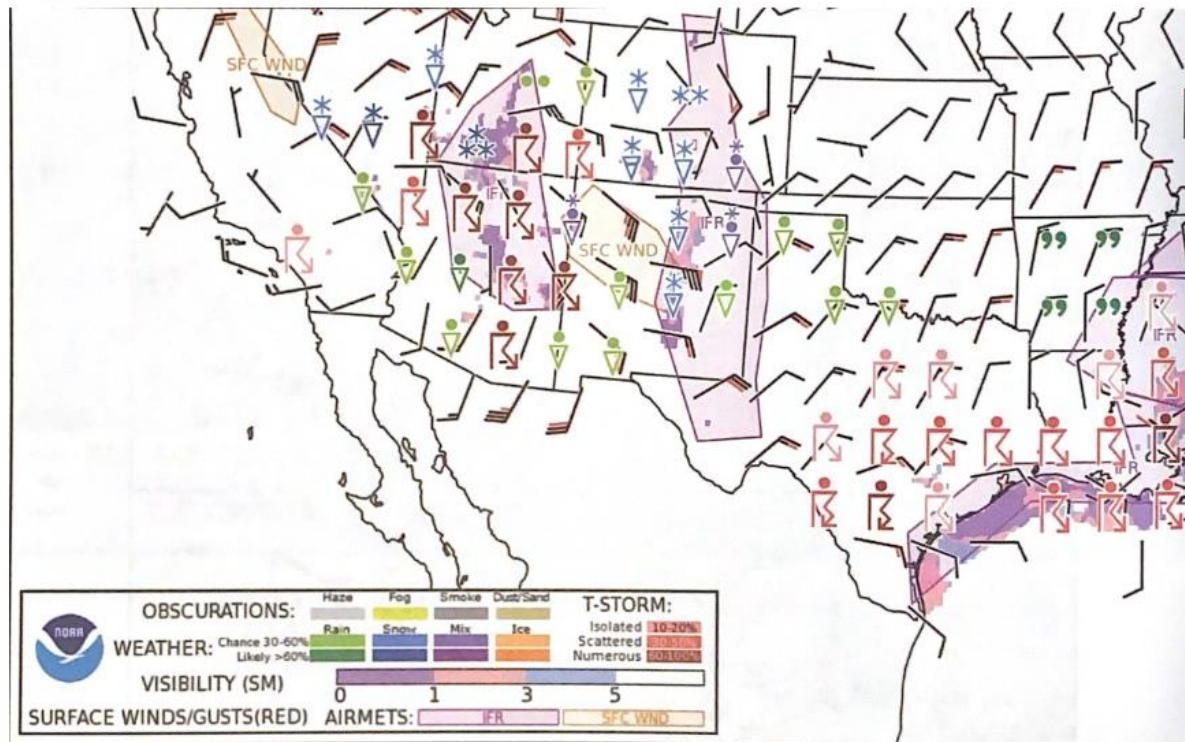
☐ Texas

☒ New Mexico

Correct answer

Question 15

What type of precipitation is forecast in Colorado?



☐ rain and rain showers

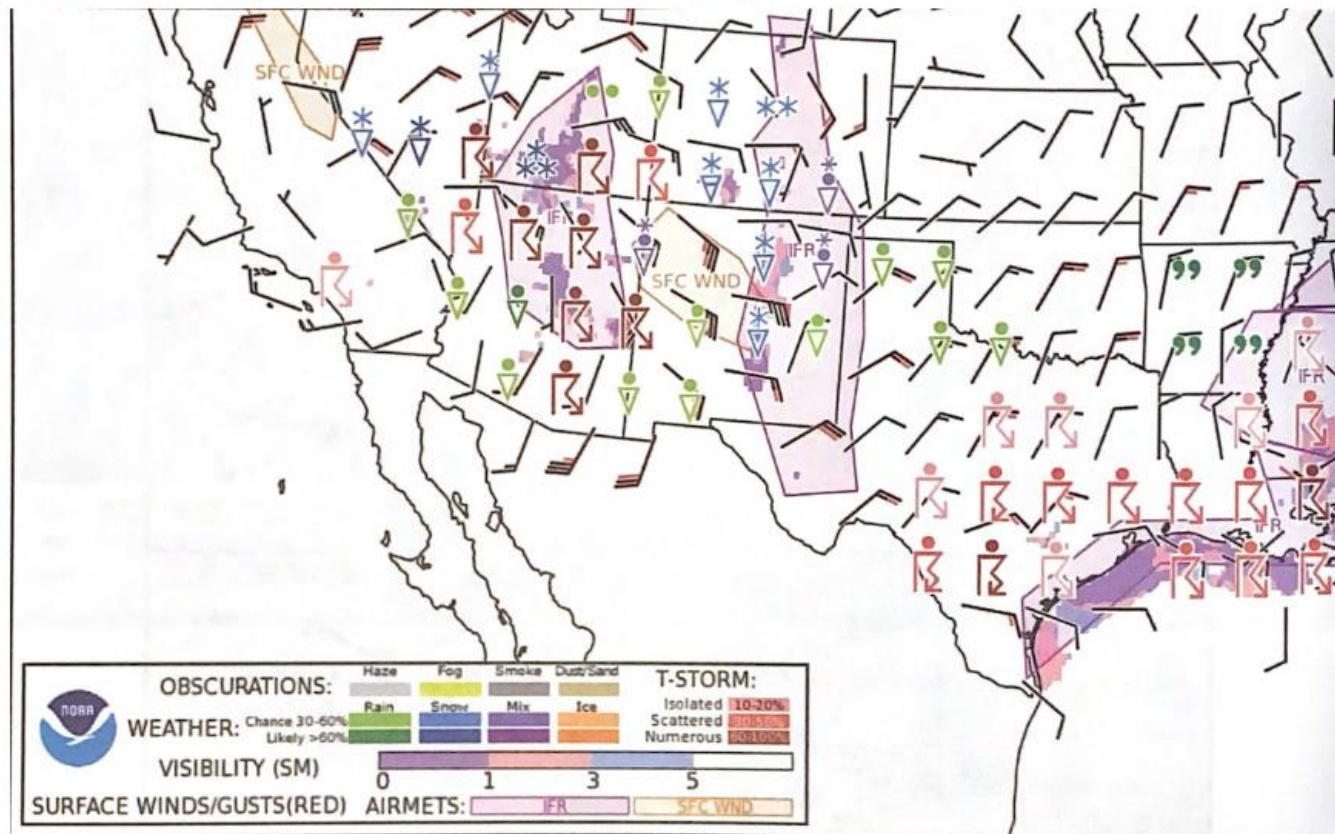
☒ snow and snow showers

☐ snow

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

Correct answer

Question 17

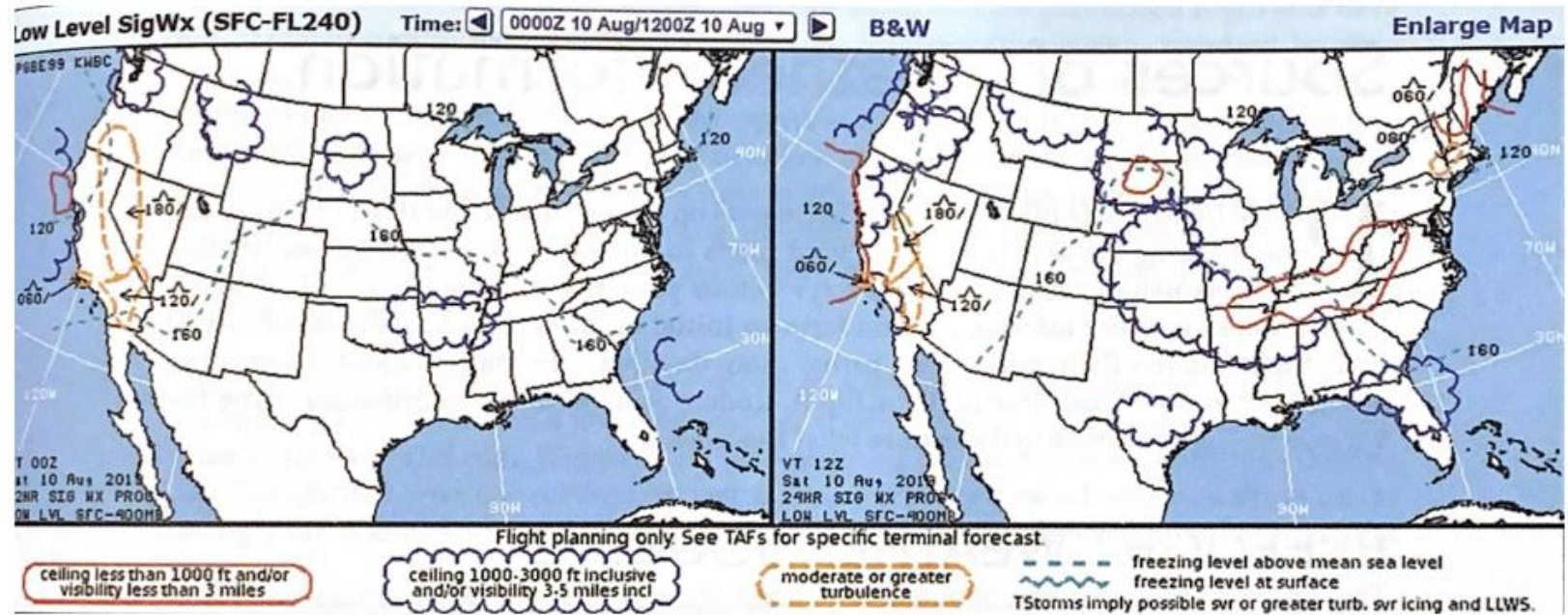
The low-level significant weather chart is for use from the surface up to what altitude?

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

Correct answer

Question 18

What condition is forecast for southern California at 0000Z?

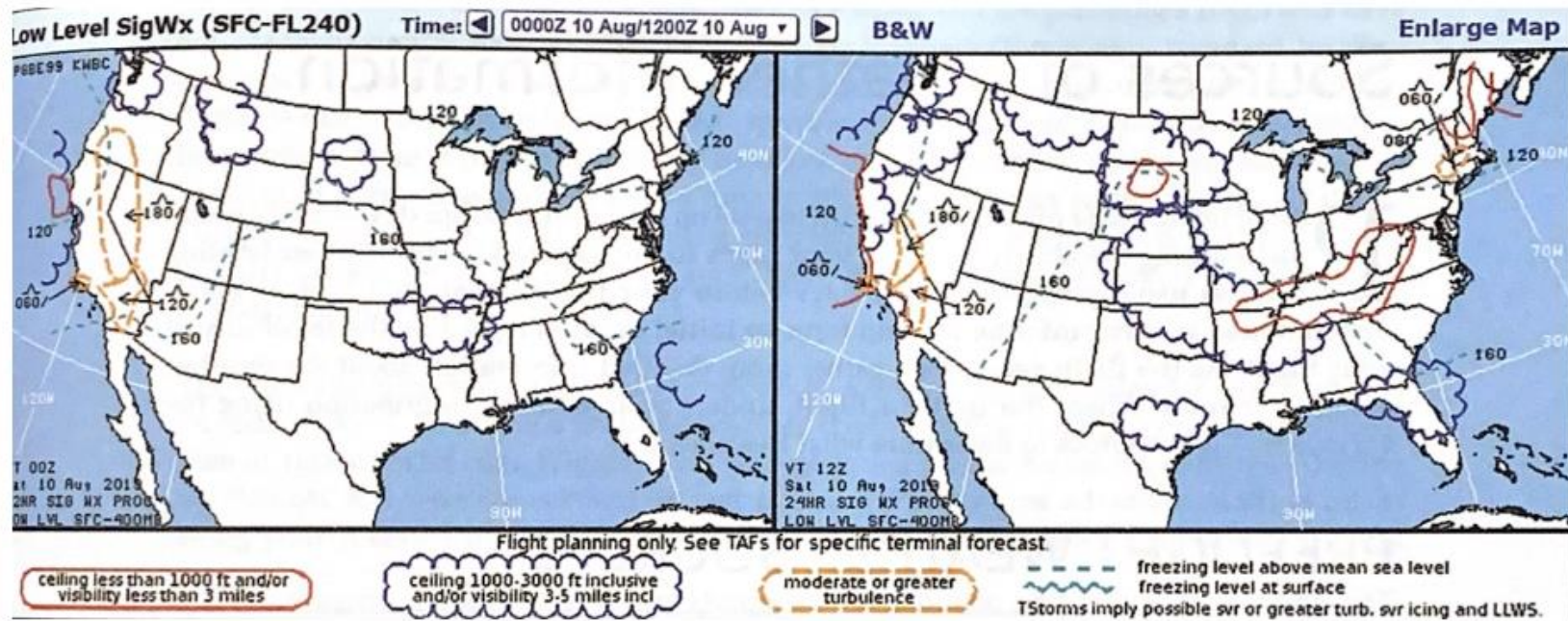


- ☒ Moderate or greater turbulence below 12,000 ft MSL
- ☐ Freezing level at the surface
- ☐ Ceilings less than 1,000 ft and/or visibility less than 3 miles

Correct answer

Question 19

Which forecast is correct for Kansas?



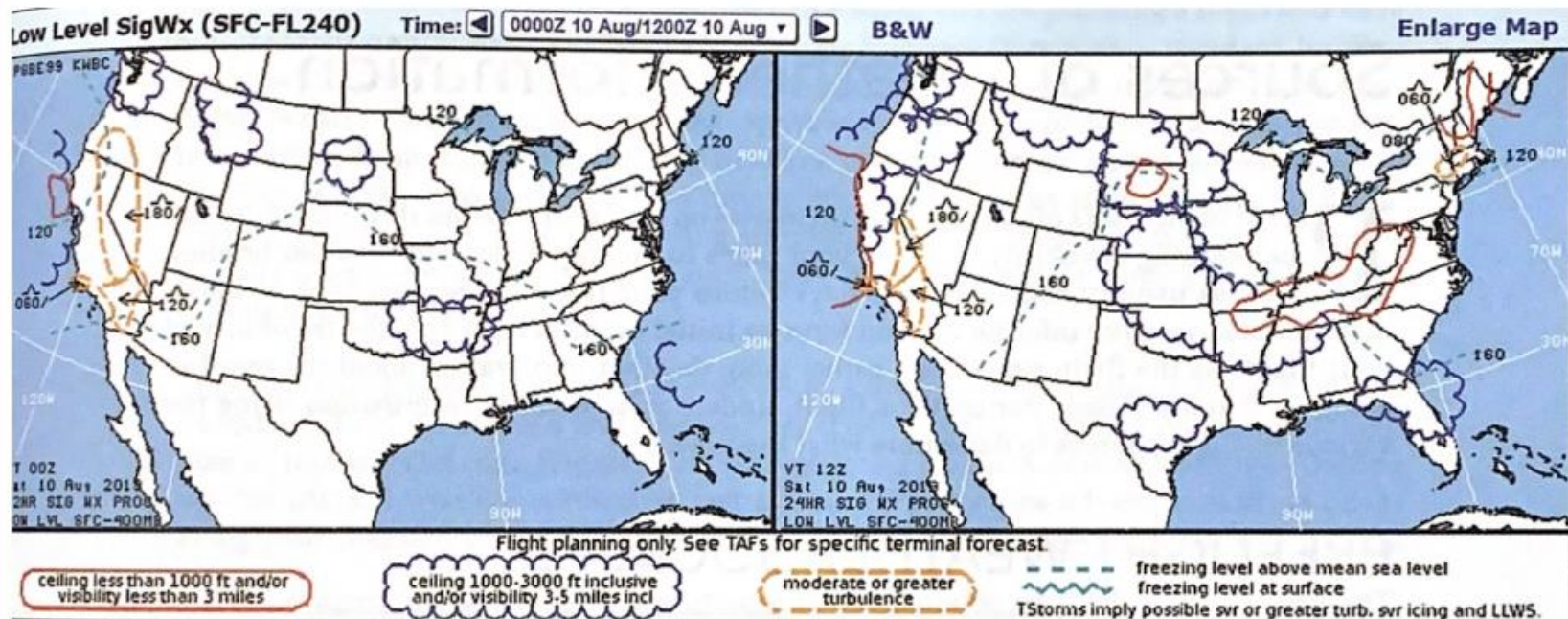
- ☐ VFR at 0000Z and IFR at 1200Z
- ☐ MVFR at 0000Z and VFR at 1200Z
- ☒ VFR at 0000Z and MVFR at 1200Z

Correct answer

Correct answer

Question 20

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



☒ FL 160

☐ Unknown

☐ FL 120

Correct answer

Question 21

Select the true statement regarding graphic weather products.

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

