



Decision Support Briefing for SnowEx (NASA) – 11 February, 2017

Overview

The storm passing through the area is centered well to the south, but deep moisture will continue rotating into the area keeping the lower atmosphere saturated over the project areas through Sunday. The Grand Mesa and San Juan mountains will be obscured much of the time with ceilings below 1000 ft AGL at best. Over the Grand Mesa precipitation will end sometime overnight Sunday into Monday morning though would expect lingering stratus with cooler air in place. Senator Beck may continue to see wrap-around moisture throughout Monday. High pressure moves into the region on Tuesday - with some lingering high and mid clouds over the higher terrain through Friday. Temperatures will also rebound mid week to more normal temperatures for this time of year.

Local Weather Hazards for 10 Miles NNW Cedaredge CO (Grand Mesa at Mesa/Delta Co Line)

[Winter Weather Advisory](#)
[Hazardous Weather Outlook](#)

National Weather Service Forecast for 10 Miles NNW Cedaredge CO (Grand Mesa at Mesa/Delta Co Line)

For the latest forecast, go to:

<http://forecast.weather.gov/MapClick.php?lat=39.027&lon=-108.02>

This Afternoon: Snow showers. The snow could be heavy at times. Patchy blowing snow. High near 34. West southwest wind around 15 mph. Chance of precipitation is 90%. Total daytime snow accumulation of 3 to 5 inches possible.

Tonight: Snow showers, mainly before 10pm. Low around 24. North wind around 5 mph becoming east after midnight. Chance of precipitation is 80%. New snow accumulation of 1 to 3 inches possible.

Sunday: Snow showers likely, mainly after 8am. Cloudy, with a high near 33. South wind 5 to 10 mph. Chance of precipitation is 70%. New snow accumulation of 1 to 3 inches possible.

Sunday Night: A 50 percent chance of snow showers, mainly before midnight. Mostly cloudy, with a low around 24. South wind around 5 mph becoming north northeast after midnight. New snow accumulation of 1 to 2 inches possible.

Monday: A chance of snow showers before noon, then a chance of rain and snow showers. Partly sunny, with a high near 36. North northeast wind 5 to 10 mph. Chance of precipitation is 30%.

Monday Night: A 30 percent chance of snow showers before 11pm. Mostly cloudy, with a low around 22.

Tuesday: Sunny, with a high near 35.

Tuesday Night: Mostly clear, with a low around 20.

Wednesday: Sunny, with a high near 38.

Wednesday Night: Mostly clear, with a low around 23.

Thursday: Sunny, with a high near 42.

Thursday Night: Mostly clear, with a low around 27.

Friday: A chance of showers. Mostly sunny, with a high near 40.

Friday Night: A chance of snow showers. Mostly cloudy, with a low around 25.

Saturday: A chance of rain and snow showers. Mostly cloudy, with a high near 36.

Local Weather Hazards for 7 Miles ENE Ophir CO (Senator Beck)

[Winter Weather Advisory](#)
[Hazardous Weather Outlook](#)

National Weather Service Forecast for 7 Miles ENE Ophir CO (Senator Beck)

For the latest forecast, go to:

<http://forecast.weather.gov/MapClick.php?lat=37.905&lon=-107.72>

This Afternoon: Snow showers. Widespread blowing snow. High near 34. Breezy, with a southwest wind around 20 mph, with gusts as high as 35 mph. Chance of precipitation is 100%. Total daytime snow accumulation of 2 to 4 inches possible.

Tonight: Snow showers. The snow could be heavy at times. Widespread blowing snow, mainly after 5am. Low around 16. Breezy, with a southwest wind 15 to 20 mph decreasing to 10 to 15 mph after midnight. Winds could gust as high as 30 mph. Chance of precipitation is 90%. New snow accumulation of 5 to 9 inches possible.

Sunday: Snow showers. Widespread blowing snow, mainly before 8am. High near 26. South wind 10 to 15 mph, with gusts as high as 25 mph. Chance of precipitation is

90%. New snow accumulation of 3 to 5 inches possible.

Sunday Night: Snow showers likely, mainly before 9pm. Cloudy, with a low around 15. South wind around 10 mph becoming east northeast after midnight. Chance of precipitation is 70%. New snow accumulation of 1 to 2 inches possible.

Monday: Snow showers likely, mainly after 11am. Some thunder is also possible. Cloudy, with a high near 27. Northeast wind around 10 mph. Chance of precipitation is 70%.

Monday Night: Snow showers likely, mainly before 11pm. Mostly cloudy, with a low around 13. Chance of precipitation is 70%.

Tuesday: Mostly sunny, with a high near 27.

Tuesday Night: Mostly clear, with a low around 14.

Wednesday: Sunny, with a high near 32.

Wednesday Night: Mostly clear, with a low around 18.

Thursday: Sunny, with a high near 37.

Thursday Night: Mostly clear, with a low around 21.

Friday: Mostly sunny, with a high near 36.

Friday Night: Snow showers likely. Mostly cloudy, with a low around 20.

Saturday: Snow showers likely. Mostly cloudy, with a high near 29.

Aviation Forecast for Grand Junction Regional Airport

KGJT 112344

TAFGJT

TAF

KGJT 112344Z 1200/1224 06007G16KT 5SM -RA BR VCSH FEW015 OVC026

TEMPO 1200/1202 3SM -RA BR BKN015

FM120300 03010KT P6SM BKN050

FM120900 04006KT P6SM VCFG BKN140

FM121600 12005KT P6SM VCSH SCT070 BKN140

FM122000 35006KT P6SM VCSH SCT050 BKN120=

Aviation Forecast for Colorado Springs Airport

KCOS 112343Z 1200/1224 06018G28KT P6SM FEW060 BKN120 BKN200

FM120200 03015G25KT P6SM VCSH SCT030 BKN060

TEMPO 1203/1204 5SM -SHRASN BKN030

FM120400 35015G25KT 2SM -SHSN BR OVC020

FM120800 01014G24KT 5SM -SHSN OVC020

FM121400 13008KT 2SM -SHSN BR OVC010

FM121800 16012KT P6SM SCT015 BKN030=

Aviation Forecast for Centennial Airport

KAPA 112331Z 1200/1224 04009KT P6SM BKN040 OVC100

FM120100 04010KT P6SM -RA SCT015 OVC025

FM120300 03010KT 3SM -RASN SCT012 OVC020

FM120400 05011KT 1SM -SN OVC010
FM120900 06010KT P6SM VCSH SCT020 OVC030
FM121500 14008KT P6SM SCT040 BKN070
FM121900 16012KT P6SM SCT050 BKN080=

Discussion

Grand Mesa forecast cloud levels:
Sunday: OVC 1000 ft AGL or less.

Senator Beck forecast cloud levels:
Sunday: OVC 1000 ft AGL or less.

Current PIREPs: <https://www.aviationweather.gov/airep/plot?type=turb@ion=SW>

Current SITREPs: <https://www.aviationweather.gov/sigmet>

Current radar:
<http://radar.weather.gov/radar.php?rid=GJX&product=NCR&overlay=11101111&loop=yes>

Current satellite: <http://www.weather.gov/satellite?image=ir#ir>

For official pilot briefings, call 1-800-WX-BRIEF

For Further Information

- Contact National Weather Service operations 24 hours a day at 970-256-9463 (unlisted)
- For specific support of emergency response incidents, request a spot forecast by contacting the NWS forecast office by phone or online.
- Online spot forecast request available at:
<http://www.weather.gov/spot/monitor/?lat=39.0293452169889&lon=-109.20392753906285&z=7>

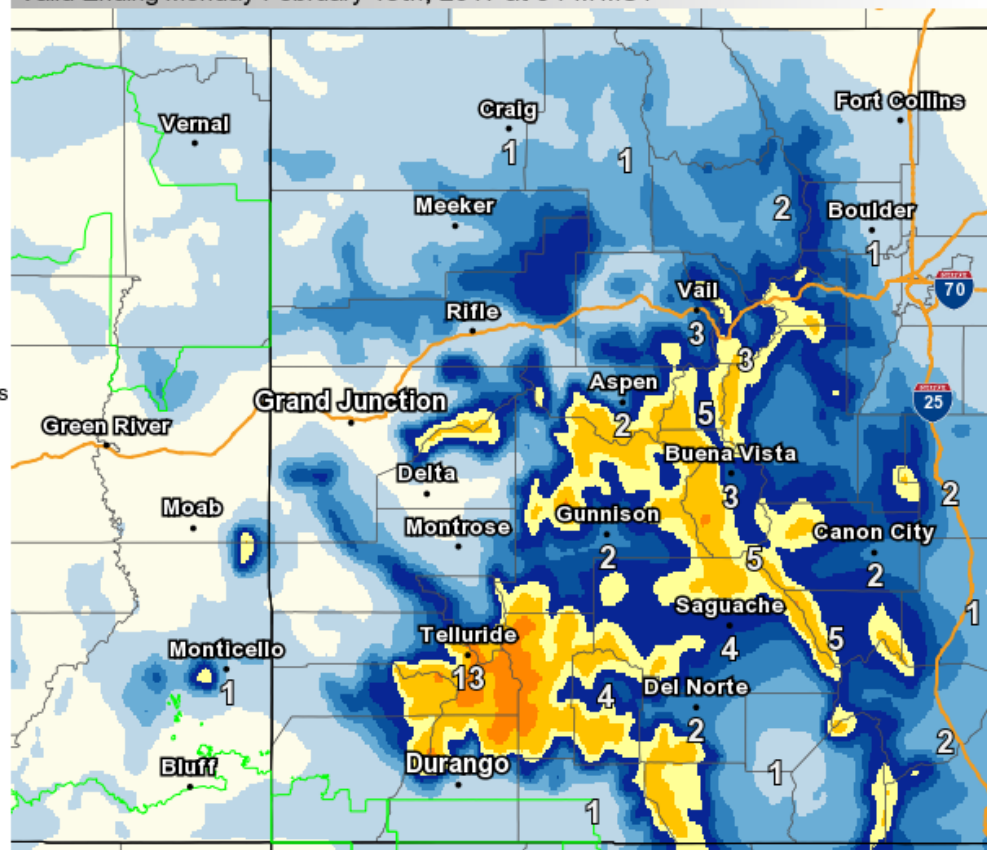
Forecaster: Christopher Cuoco

Forecast Snowfall

National Weather Service

Valid Ending Monday February 13th, 2017 at 5 PM MST

- Less than an inch
- 1 to 2 inches
- 2 to 3 inches
- 3 to 4 inches
- 4 to 6 inches
- 6 to 8 inches
- 8 to 12 inches
- 12 to 18 inches
- 18 to 24 inches
- 24 to 30 inches
- 30 to 36 inches
- Greater than 36 inches



Graphic Created
February 11th, 2017
4:45 PM MST