



Decision Support Briefing for SnowEx (NASA) – 5 February, 2017

Overview

...Updated cloud levels as of 7 PM MST 2/5/17... Mid and high level clouds will continue to increase this evening as the first in a series of Pacific storms approaches the region. Scattered snow showers will begin early Monday morning and become numerous in coverage by Monday afternoon and evening. The unsettled weather will continue through at least Wednesday as a few more disturbances move through the region. The Grand Mesa will see storm total snowfall through Wednesday of one to two feet with some locally higher amounts. The northwestern San Juan Mountains will see 6 to 12 inches through Wednesday with locally higher amounts. The Winter Storm Watches were upgraded earlier this afternoon with a Winter Storm Warning in effect for the Grand Mesa and a Winter Weather Advisory for the San Juans. The heaviest accumulations are expected Monday Night through Tuesday morning when the best surge of moisture arrives.

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

Hazardous Weather Outlook
Winter Storm Warning

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>

Tonight: Scattered snow showers, mainly after 1am. Mostly cloudy, with a low around 20. South wind 5 to 15 mph. Chance of precipitation is 50%. Total nighttime snow accumulation of less than a half inch possible.

Monday: Periods of snow showers. High near 28. Southwest wind around 15 mph.

Chance of precipitation is 80%. New snow accumulation of 2 to 4 inches possible.

Monday Night: Snow showers. Low around 23. West southwest wind 10 to 15 mph.

Chance of precipitation is 80%. New snow accumulation of 2 to 4 inches possible.

Tuesday: Snow showers. The snow could be heavy at times. High near 28. West southwest wind 10 to 15 mph. Chance of precipitation is 90%. New snow accumulation of 3 to 7 inches possible.

Tuesday Night: Snow showers. Low around 26. West southwest wind 10 to 15 mph. Chance of precipitation is 90%.

Wednesday: Snow showers likely. Cloudy, with a high near 33. Chance of precipitation is 70%.

Wednesday Night: Mostly cloudy, with a low around 25.

Thursday: Mostly sunny, with a high near 37.

Thursday Night: A chance of snow showers, mainly before 11pm. Mostly cloudy, with a low around 28.

Friday: Rain and snow showers likely, becoming all snow after 4pm. Mostly cloudy, with a high near 37.

Friday Night: Snow showers. Cloudy, with a low around 24.

Saturday: Snow showers likely. Cloudy, with a high near 32.

Saturday Night: A chance of snow showers. Mostly cloudy, with a low around 17.

Sunday: A chance of snow showers. Partly sunny, with a high near 28.

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

Hazardous Weather Outlook

Winter Weather Advisory

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>

Tonight: Scattered snow showers, mainly after 2am. Mostly cloudy, with a low around 15. Breezy, with a south southwest wind 10 to 15 mph increasing to 20 to 25 mph after midnight. Winds could gust as high as 35 mph. Chance of precipitation is 50%. Total nighttime snow accumulation of less than a half inch possible.

Monday: Periods of snow showers. Areas of blowing snow after 9am. High near 20. Breezy, with a west southwest wind around 25 mph, with gusts as high as 40 mph. Chance of precipitation is 80%. New snow accumulation of 2 to 4 inches possible.

Monday Night: Snow showers. Areas of blowing snow after 11pm. Low around 17. Breezy, with a west southwest wind around 25 mph, with gusts as high as 40 mph.

Chance of precipitation is 80%. New snow accumulation of 2 to 4 inches possible.

Tuesday: Snow showers. The snow could be heavy at times. Areas of blowing snow. High near 21. Breezy, with a west southwest wind 20 to 25 mph. Chance of precipitation is 80%. New snow accumulation of 3 to 7 inches possible.

Tuesday Night: Snow showers likely. Patchy blowing snow before 11pm. Cloudy, with a low around 20. Breezy, with a west wind 20 to 25 mph. Chance of precipitation is 70%.

Wednesday: Snow showers. Patchy blowing snow before 11am. High near 26. Breezy. Chance of precipitation is 80%.

Wednesday Night: Partly cloudy, with a low around 18.

Thursday: Mostly sunny, with a high near 33.

Thursday Night: A slight chance of snow showers. Mostly cloudy, with a low around 23. Breezy.

Friday: Snow showers likely, mainly after 11am. Mostly cloudy, with a high near 33. Breezy.

Friday Night: Snow showers. Patchy blowing snow. Cloudy, with a low around 20. Breezy.

Saturday: Snow showers likely. Cloudy, with a high near 26. Breezy.

Saturday Night: Snow showers likely. Mostly cloudy, with a low around 10.

Sunday: Snow showers likely. Partly sunny, with a high near 21.

Aviation Forecast for Grand Junction Regional Airport

KGJT 052328

TAFGJT

TAF

KGJT 052328Z 0600/0624 34009KT P6SM BKN250
FM060900 10004KT P6SM BKN100
FM061200 11005KT P6SM OVC080
FM061800 23006KT P6SM BKN050
FM062100 25006KT P6SM BKN035
FM062300 27006KT P6SM BKN050=

Aviation Forecast for Colorado Springs Airport

KCOS 052320Z 0600/0624 18007KT P6SM FEW200

FM060300 02006KT P6SM SCT200

FM060900 35008KT P6SM SCT140 BKN200

FM061600 30020G35KT P6SM SCT140 BKN200=

Aviation Forecast for Centennial Airport

KAPA 052340Z 0600/0624 05006KT P6SM FEW110 SCT220

FM060100 14008KT P6SM FEW120 SCT220

FM060430 19009KT P6SM FEW120 BKN220

FM061200 24006KT P6SM FEW120 BKN220

FM062000 31012G22KT P6SM FEW120 BKN220=

Discussion

Grand Mesa forecast cloud levels *UPDATED*:

Monday: Bkn 6000ft AGL in the morning becoming Bkn/Ovc 4000ft AGL around 0800 MST. Ovc below 3000ft AGL around 1100 MST with conditions deteriorating throughout the rest of the day.

Senator Beck forecast cloud levels *UPDATED*:

Monday: Sct 5000ft AGL in the morning becoming Bkn 3000ft AGL around 0800 MST and persisting through the afternoon. Becoming Ovc 3000ft AGL by early evening.

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

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

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>

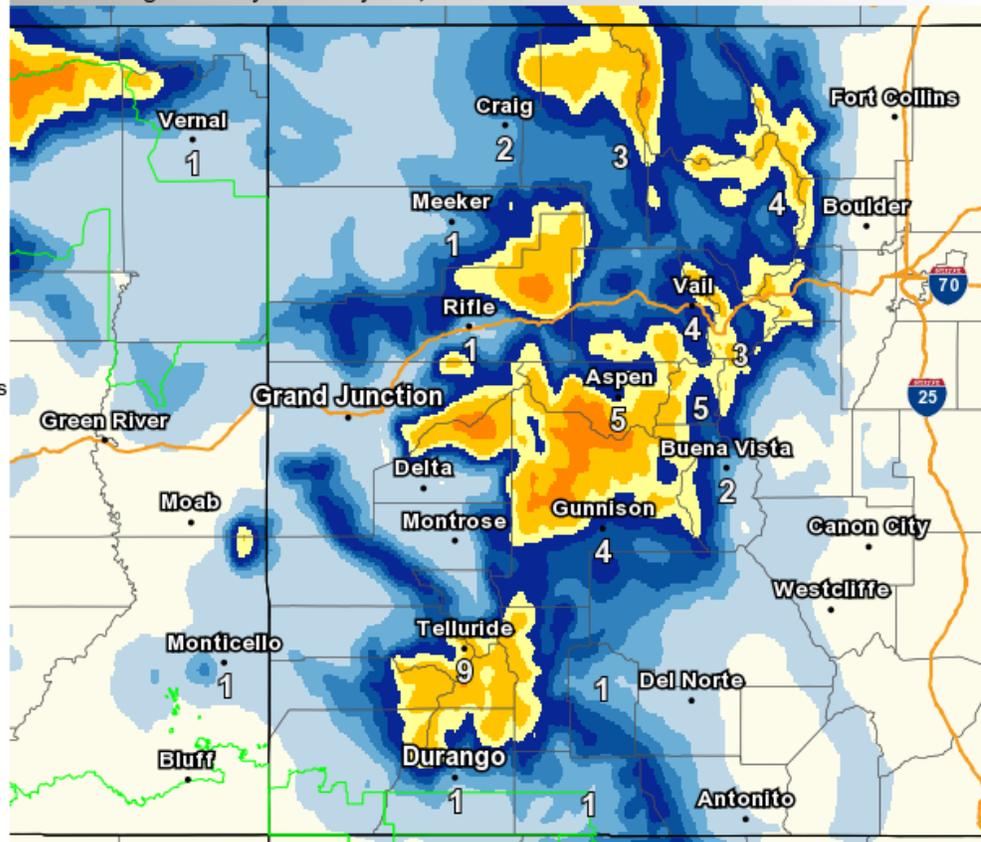
Forecaster: Megan Stackhouse

Forecast Snowfall

National Weather Service

Valid Ending Tuesday February 7th, 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 5th, 2017
4:45 PM MST