



Decision Support Briefing for SnowEx (NASA) – 19 February, 2017

Overview

A storm system continues to pass over the forecast area this afternoon, resulting in poor flight conditions and snow at higher elevations. This system will quickly move out of the area tonight leaving behind drier air and much improved sky conditions by mid-morning Monday. The next weak wave will move through northern portions of Colorado Monday night into Tuesday. This wave will primarily impact the Grand Mesa with some light snow and cloud cover. At this point it looks like conditions will be good for Senator Beck on Tuesday. Dry southerly flow is expected Wednesday providing another day of good conditions for both the Grand Mesa and Senator Beck locations. The next winter storm system remains on track for Thursday.

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

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

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. Some thunder is also possible. Patchy blowing snow. High near 35. Southwest wind around 10 mph. Chance of precipitation is 80%. Total daytime snow accumulation of 2 to 4 inches possible.

Tonight: Snow showers, mainly before midnight. Widespread blowing snow, mainly between 8pm and 11pm. Low around 17. West wind 10 to 15 mph. Chance of precipitation is 90%. New snow accumulation of 1 to 3 inches possible.

Washington's Birthday: A chance of flurries in the early morning, otherwise mostly

sunny, with a high near 35. South southwest wind around 10 mph.

Monday Night: Mostly cloudy, with a low around 26. South wind 5 to 10 mph.

Tuesday: A 20 percent chance of snow. Mostly cloudy, with a high near 39. South southwest wind around 10 mph.

Tuesday Night: A 40 percent chance of snow, mainly after 11pm. Mostly cloudy, with a low around 28.

Wednesday: A 20 percent chance of snow in the early morning. Mostly cloudy, with a high near 38.

Wednesday Night: A chance of snow. Cloudy, with a low around 22.

Thursday: Snow likely. Cloudy, with a high near 25.

Thursday Night: A chance of snow. Cloudy, with a low around 10.

Friday: Mostly cloudy, with a high near 21.

Friday Night: Mostly cloudy, with a low around 12.

Saturday: Partly sunny, with a high near 25.

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>

This Afternoon: Snow showers. The snow could be heavy at times. Some thunder is also possible. Widespread blowing snow, mainly before 4pm. High near 26. Southwest wind around 15 mph. Chance of precipitation is 90%. Total daytime snow accumulation of 3 to 7 inches possible.

Tonight: Snow showers, mainly before midnight. Low around 9. West wind around 15 mph, with gusts as high as 25 mph. Chance of precipitation is 80%. New snow accumulation of 1 to 3 inches possible.

Washington's Birthday: A chance of flurries before 9am. Mostly sunny, with a high near 30. West southwest wind around 15 mph.

Monday Night: Partly cloudy, with a low around 21. Southwest wind around 15 mph.

Tuesday: Mostly sunny, with a high near 34. West southwest wind around 15 mph, with gusts as high as 25 mph.

Tuesday Night: A 40 percent chance of snow, mainly after 11pm. Mostly cloudy, with a low around 23. Breezy.

Wednesday: A 30 percent chance of snow before 9am. Partly sunny, with a high near

30. Breezy.

Wednesday Night: A chance of snow. Mostly cloudy, with a low around 15. Breezy.

Thursday: Snow likely. Cloudy, with a high near 17. Breezy.

Thursday Night: A chance of snow. Mostly cloudy, with a low around 3. Breezy.

Friday: Partly sunny, with a high near 14.

Friday Night: Partly cloudy, with a low around 7. Breezy.

Saturday: Mostly sunny, with a high near 19. Breezy.

Aviation Forecast for Grand Junction Regional Airport

KGJT 192345

TAFGJT

TAF

KGJT 192345Z 2000/2024 07006KT P6SM -SHRA BKN050 OVC070
FM200400 04004KT P6SM VCSH BKN035 OVC050
FM201500 12005KT P6SM VCFG FEW012 BKN100
FM201700 15004KT P6SM SCT200
FM202200 24005KT P6SM SCT250=

Aviation Forecast for Colorado Springs Airport

KCOS 192340Z 2000/2024 18020G30KT P6SM VCSH SCT050 BKN200

FM200500 34012KT P6SM SCT150

FM201800 19010KT P6SM FEW100 SCT140=

Aviation Forecast for Centennial Airport

KAPA 192340Z 2000/2024 16020G28KT P6SM BKN090 BKN120 OVC200

FM200030 22011G18KT P6SM BKN090 OVC120

FM200200 30015G25KT P6SM BKN090 OVC120

FM200600 VRB06KT P6SM SCT100 BKN220

FM200900 22008KT P6SM SCT220

FM201500 VRB06KT P6SM FEW220

FM201900 29007KT P6SM SCT220=

Discussion

Grand Mesa forecast cloud levels:

Monday: CIGS bkn 400 to 600 ft AGL in the morning becoming Scattered 25,000 MSL by 1730Z.

Senator Beck forecast cloud levels:

Monday: CIGS bkn to OVC 1000 to 1500 ft AGL in the morning, mountain obscurations expected until around 1700Z at which point skies will become clear.

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>

Hourly weather graphics for the Grand Mesa:

<http://forecast.weather.gov/MapClick.php?lat=39.0326&lon=-108.0245&unit=0&lg=english&FcstType=graphical>

Hourly weather graphics for Senator Beck:

<http://forecast.weather.gov/MapClick.php?lat=37.9247&lon=-107.7179&unit=0&lg=english&FcstType=graphical>

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>

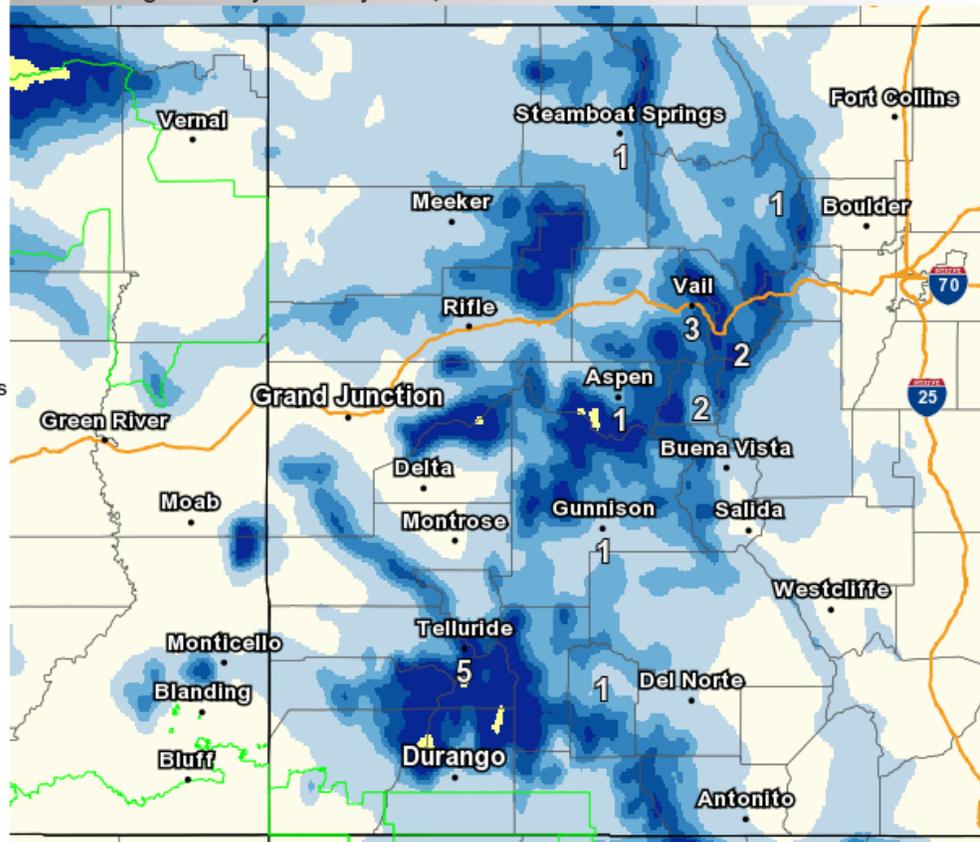
Forecaster: Larry Smith

Forecast Snowfall

National Weather Service

Valid Ending Tuesday February 21st, 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 19th, 2017
4:45 PM MST