



Decision Support Briefing for SnowEx (NASA) – 24 February, 2017

Overview

Scattered convective showers will remain in the forecast through Saturday with activity focused on the afternoon and evening hours. Upper level flow will remain out of the northwest with gusts up to 40 mph possible. Some patchy fog or low stratus is possible early Saturday morning in the wake of the newly fallen precipitation and exiting storm system. Unsettled weather will continue over the region through early week with gusty winds expected on Monday in advance of a Pacific cold front.

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

[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 likely. Mostly cloudy, with a high near 18. West northwest wind around 10 mph. Chance of precipitation is 60%. Total daytime snow accumulation of less than one inch possible.

Tonight: Scattered snow showers, mainly before 10pm, then scattered flurries after 1am. Mostly cloudy, with a low around 1. Wind chill values as low as -15. West northwest wind 5 to 10 mph. Chance of precipitation is 40%.

Saturday: A 40 percent chance of snow showers, mainly after 11am. Mostly cloudy, with a high near 15. Wind chill values as low as -15. West southwest wind 5 to 10 mph.

Saturday Night: Snow showers likely, mainly after 11pm. Cloudy, with a low around

4. West wind 5 to 10 mph. Chance of precipitation is 60%. New snow accumulation of 1 to 3 inches possible.

Sunday: A 30 percent chance of snow showers, mainly before 11am. Partly sunny, with a high near 20. West southwest wind 5 to 10 mph.

Sunday Night: A 50 percent chance of snow showers, mainly after 11pm. Mostly cloudy, with a low around 12.

Monday: Snow showers likely. Cloudy, with a high near 24. Chance of precipitation is 70%.

Monday Night: Snow showers likely, mainly before 11pm. Cloudy, with a low around 12.

Tuesday: A chance of snow showers. Cloudy, with a high near 20.

Tuesday Night: A slight chance of snow showers before 11pm. Mostly cloudy, with a low around 7.

Wednesday: Sunny, with a high near 23.

Wednesday Night: Mostly clear, with a low around 12.

Thursday: Sunny, with a high near 30.

Thursday Night: Partly cloudy, with a low around 17.

Friday: Sunny, with a high near 34.

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

[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 likely. Mostly cloudy, with a high near 11. Wind chill values as low as -15. West northwest wind around 15 mph. Chance of precipitation is 70%. Total daytime snow accumulation of 1 to 3 inches possible.

Tonight: Scattered snow showers, mainly before 11pm, then scattered flurries after 1am. Mostly cloudy, with a low around -7. Wind chill values as low as -30. West wind around 15 mph. Chance of precipitation is 40%.

Saturday: A chance of flurries before 8am, then a chance of snow showers, mainly after 1pm. Mostly cloudy and cold, with a high near 10. Wind chill values as low as -25. Breezy, with a west wind 15 to 20 mph, with gusts as high as 35 mph. Chance of precipitation is 30%.

Saturday Night: Snow showers likely, mainly after 11pm. Cloudy, with a low around 1. Wind chill values as low as -20. Breezy, with a west wind around 20 mph, with

gusts as high as 35 mph. Chance of precipitation is 70%. New snow accumulation of 1 to 3 inches possible.

Sunday: A 50 percent chance of snow showers. Mostly cloudy, with a high near 14. West southwest wind around 15 mph, with gusts as high as 30 mph.

Sunday Night: A 50 percent chance of snow showers. Mostly cloudy, with a low around 6. Breezy.

Monday: Snow showers likely. Cloudy, with a high near 16. Breezy. Chance of precipitation is 70%.

Monday Night: Snow showers likely. Cloudy, with a low around 7. Breezy.

Tuesday: Snow showers likely, mainly before 11am. Cloudy, with a high near 12. Breezy.

Tuesday Night: A chance of snow showers, mainly before 11pm. Mostly cloudy, with a low around 2.

Wednesday: Mostly sunny, with a high near 18.

Wednesday Night: Mostly clear, with a low around 8.

Thursday: Sunny, with a high near 25.

Thursday Night: Mostly clear, with a low around 13.

Friday: Sunny, with a high near 30.

Aviation Forecast for Grand Junction Regional Airport

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KGJT 242338Z 2500/2524 33008KT P6SM VCSH SCT060 BKN110
FM250300 03004KT P6SM SCT200
FM250800 10005KT P6SM SCT200
FM251900 30008KT P6SM SCT060 BKN110=
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Aviation Forecast for Colorado Springs Airport

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KCOS 242334Z 2500/2524 02008KT 2SM -SN BR SCT015 SCT025 BKN030
TEMPO 2500/2502 1SM -SN BR BKN010
FM250200 04006KT 3SM -SN BR SCT015 BKN025
TEMPO 2502/2506 1SM -SNBR BKN010
FM250600 13006KT P6SM SCT015 BKN025
FM250800 VRB06KT P6SM SCT030 BKN200
FM251400 VRB06KT P6SM SCT200
FM251700 21010G20KT P6SM FEW060 SCT200=
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Aviation Forecast for Centennial Airport

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KAPA 242339Z 2500/2524 06008KT P6SM VCSH BKN025 OVC050
TEMPO 2500/2501 2SM -SHSN BKN012 OVC025
FM250300 15007KT P6SM SCT030 BKN060
FM250500 19007KT P6SM SCT070 SCT120
FM251700 30007KT P6SM SCT090 SCT150=
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Discussion

Grand Mesa forecast cloud levels:

Friday Evening (this evening) through Saturday morning: CIGS becoming scattered at 300 feet AGL with mountain top obscured at times in snow showers. Dry air works into mid and upper levels after sunset with a downturn in convective activity. Some low level saturation will allow for development of low stratus or fog at the mid slopes and at the top of the Grand Mesa overnight through about 5 am Saturday.

Saturday: The low stratus/fog will linger in the morning before dissipating after sunrise by 8 am with high clouds of 13,000 ft AGL. A mid level cloud deck around 2000 to 5000 ft AGL will develop by 11 am with convective snow showers developing by 2 pm and afterwards. Mountains will become obscured at times in passing snow showers after 2 pm with the profile becoming saturated.

Senator Beck forecast cloud levels:

Friday Evening (this evening) through Saturday morning: Mountain tops remain obscured at the peaks in scattered convective snow showers through sunset. Dry air works into mid and upper levels after sunset with a downturn in convective activity. Some low level saturation will allow for development of low stratus or fog at the mid slopes and around the peaks of the San Juans overnight through about 5 am Saturday.

Saturday: The low stratus/fog will linger in the morning before dissipating after sunrise by 8 am with high clouds of 15,000 ft AGL. A mid level cloud deck around 2000 with high clouds lowering to around 9000 ft AGL will develop by 11 am with convective snow showers developing by 2 pm and afterwards. Mountains will become obscured at times in passing snow showers after 2 pm with the profile becoming saturated.

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: Matthew Aleksa

