



Short term Weather

Presentation to:

Water Availability Task Force Meeting

July 22, 2014

Bob Glancy, National Weather Service

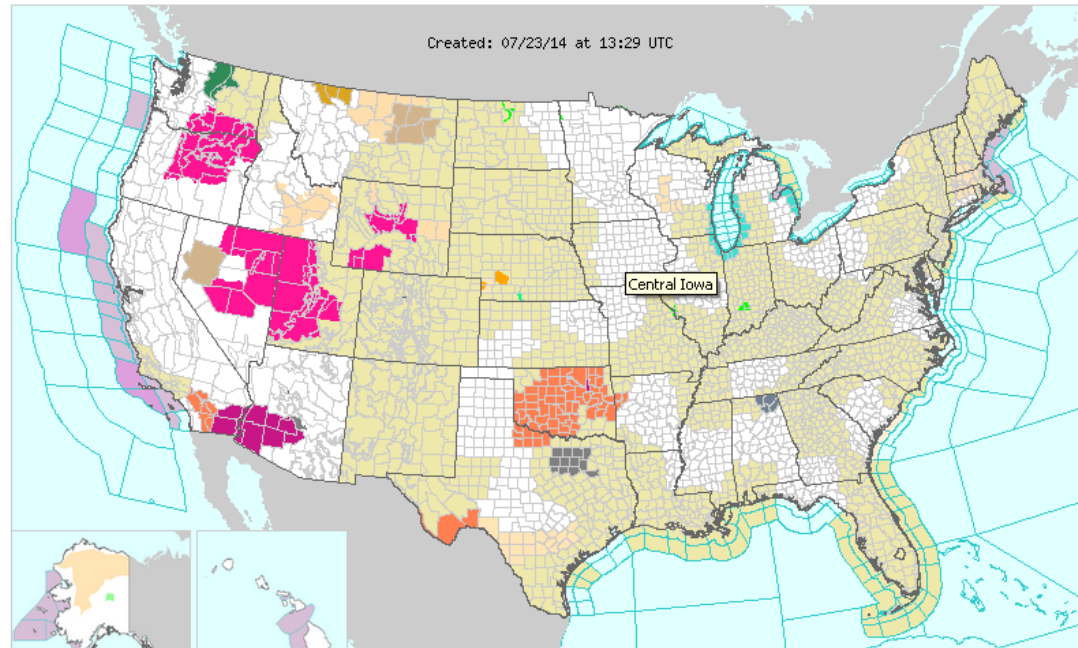


Severe thunderstorms forecast this evening into tonight

Scattered severe storms with wind and hail will occur this evening and tonight from the central Plains east-northeast to southern Lake Michigan. A cluster of severe storms is possible over the Black Hills region, and more isolated wind and hail storms may occur over interior portions of the Pacific Northwest.

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Short Range Images

Reflectivity:

Composite Loop
Base Loop

Velocity:

Storm Relative Loop
Base Loop

Rainfall:

1-Hour Total Loop
Storm Total Loop

MouseOver Off ▼

Long Range Images

Reflectivity:

Base Loop

U.S. Views

Reflectivity:

National Loop
Alaska Loop
Hawaii Loop
Guam Loop
Puerto Rico Loop
Radars by State

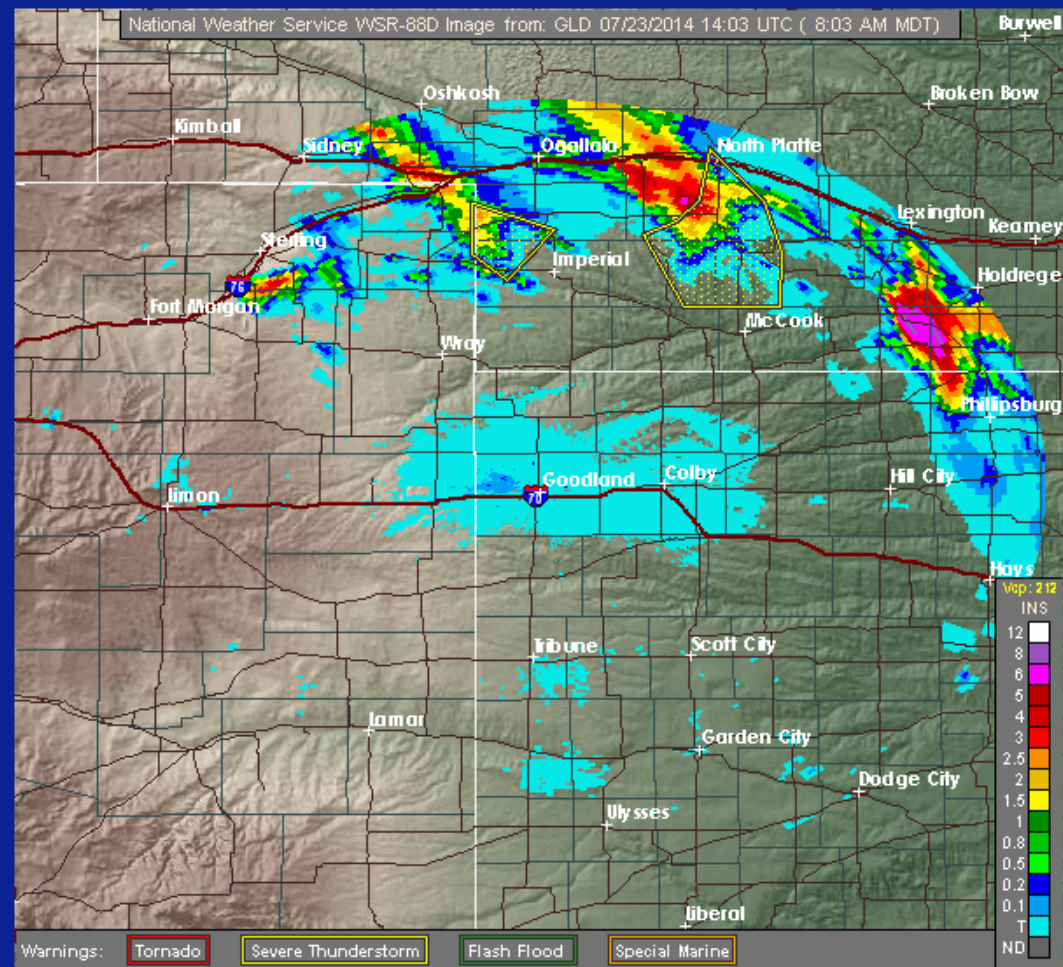
Additional Info:

Radar FAQ
Downloading Images
Mobile Users
GIS Users **KML**
Doppler University
Color Blindness Tool
Credits

Preparedness
Weather Radio
StormReady
SkyWarn

NWS Goodland, KS

to 07:43 AM MDT Wed Jul 23 2014



Warnings: ☒ Tornado ☒ Severe Thunderstorm ☒ Flash Flood ☒ Special Marine

☒ Topo ☒ Radar ☒ Counties ☒ Rivers ☒ Highways ☒ Cities ☒ Warnings ☒ Legend

National Weather Service – Denver/Boulder, Colorado



weather.gov/Denver



National Weather Service Denver /Boulder



@NWSBoulder | Updated: 7/23/2014 5:47 AM

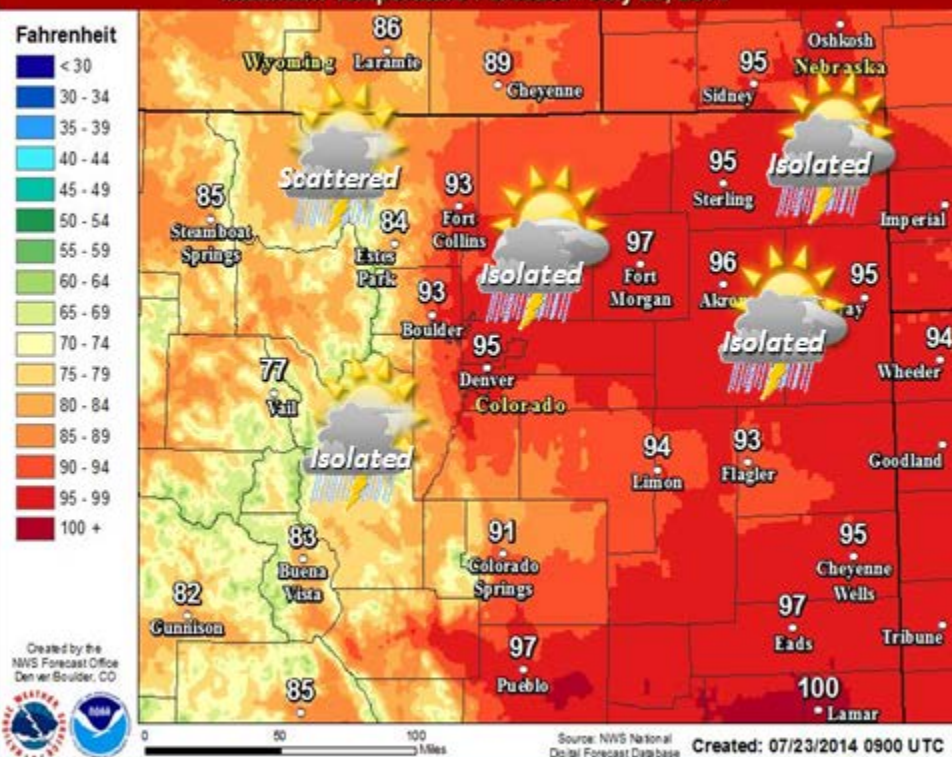
National Weather Service • Since 1870



Hot with Isolated Afternoon Storms



Maximum Temperature Forecast - July 23, 2014



Today

- Hot, mid 90s
- Isolated afternoon/evening Storms over higher terrain then Plains
- Gusty Winds to 45 mph & Brief Rain

Outlook

- Continued Hot through Friday.
- Isolated PM Storms Each Day
- Better chance for storms Thursday.

National Weather Service – Denver/Boulder, Colorado



weather.gov/Denver



National Weather Service Denver /Boulder



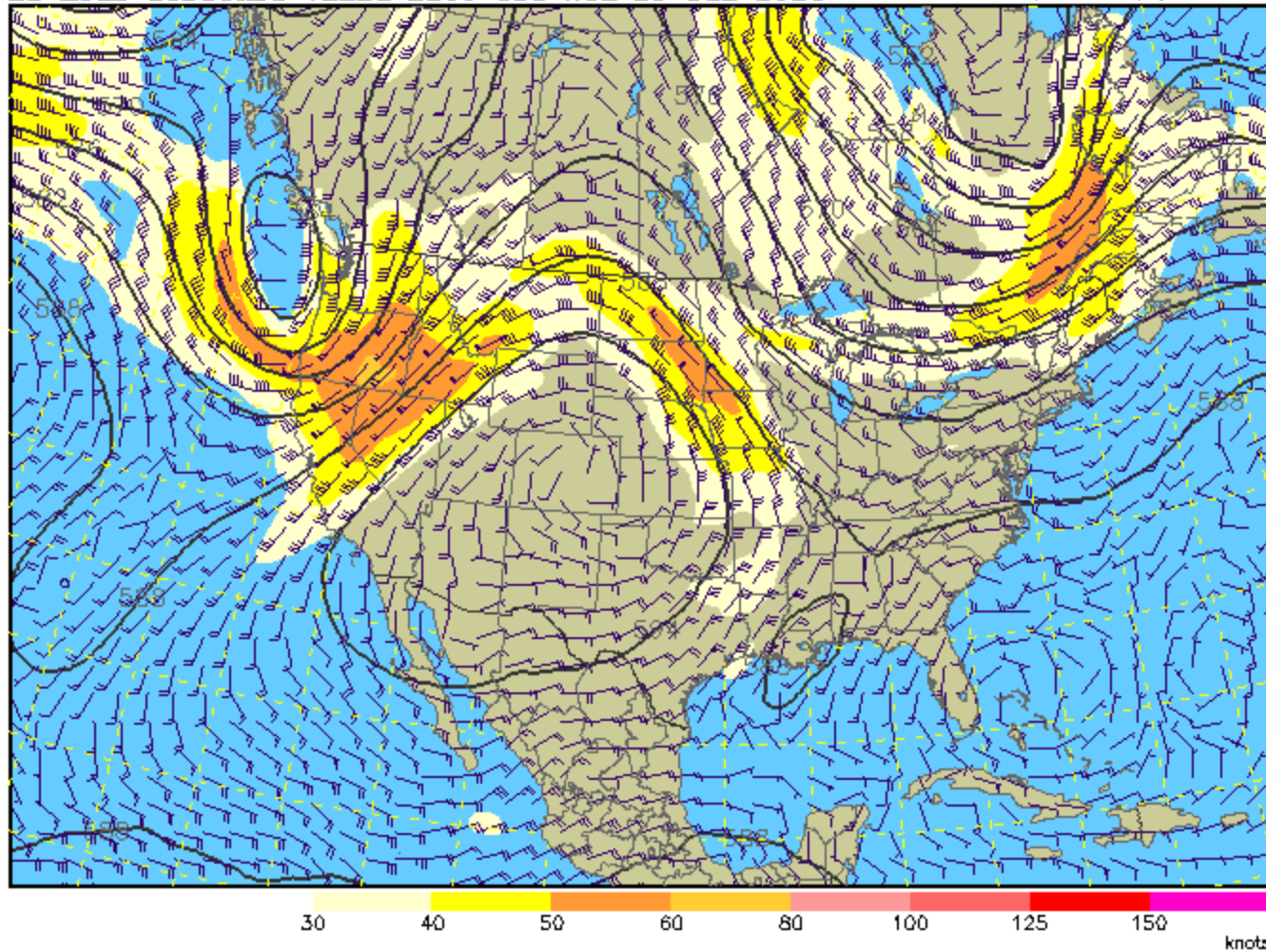
@NWSBoulder

| Updated: 7/23/2014 5:47 AM

500 mb Heights (dm) / Isotachs (knots)

21-hour forecast valid 2100 UTC Wed 23 Jul 2014

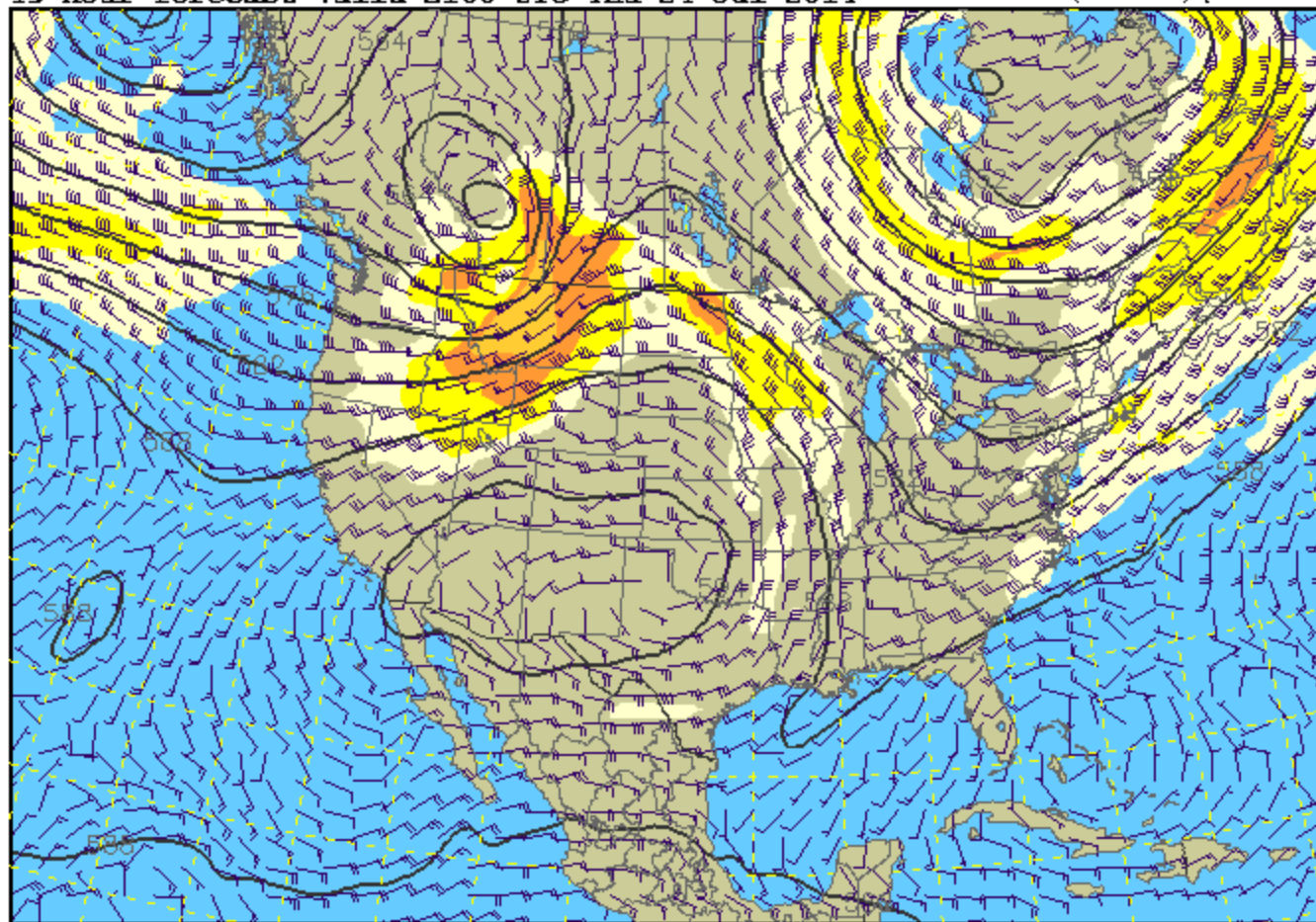
NAM (WRF-NMM) (00z 23 Jul)



500 mb Heights (dm) / Isotachs (knots)

45-hour forecast valid 2100 UTC Thu 24 Jul 2014

NAM (WRF-NMM) (00z 23 Jul)

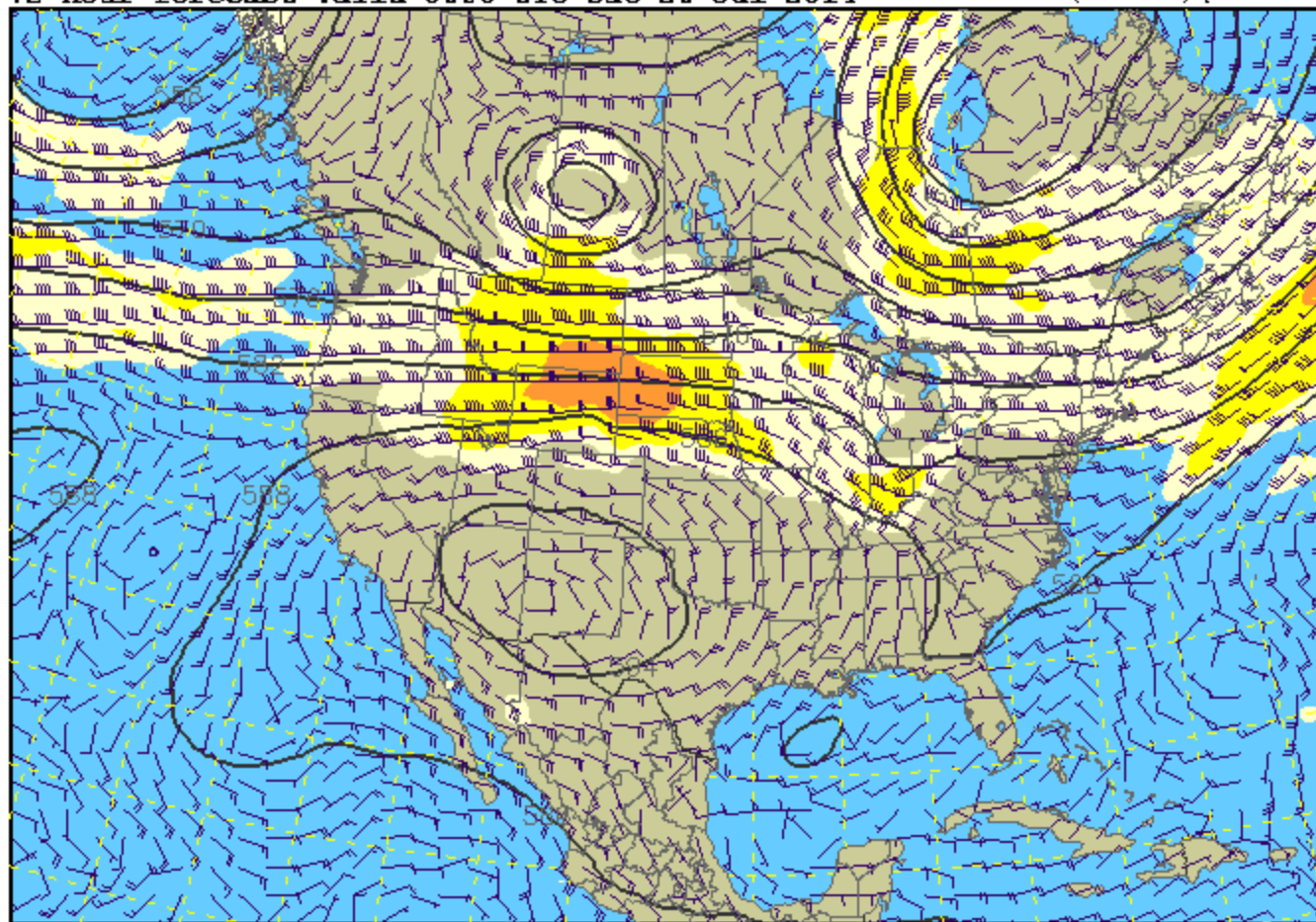


30 40 50 60 80 100 125 150 knots

500 mb Heights (dm) / Isotachs (knots)

72-hour forecast valid 0000 UTC Sat 26 Jul 2014

NAM (WRF-NMM) (00z 23 Jul)

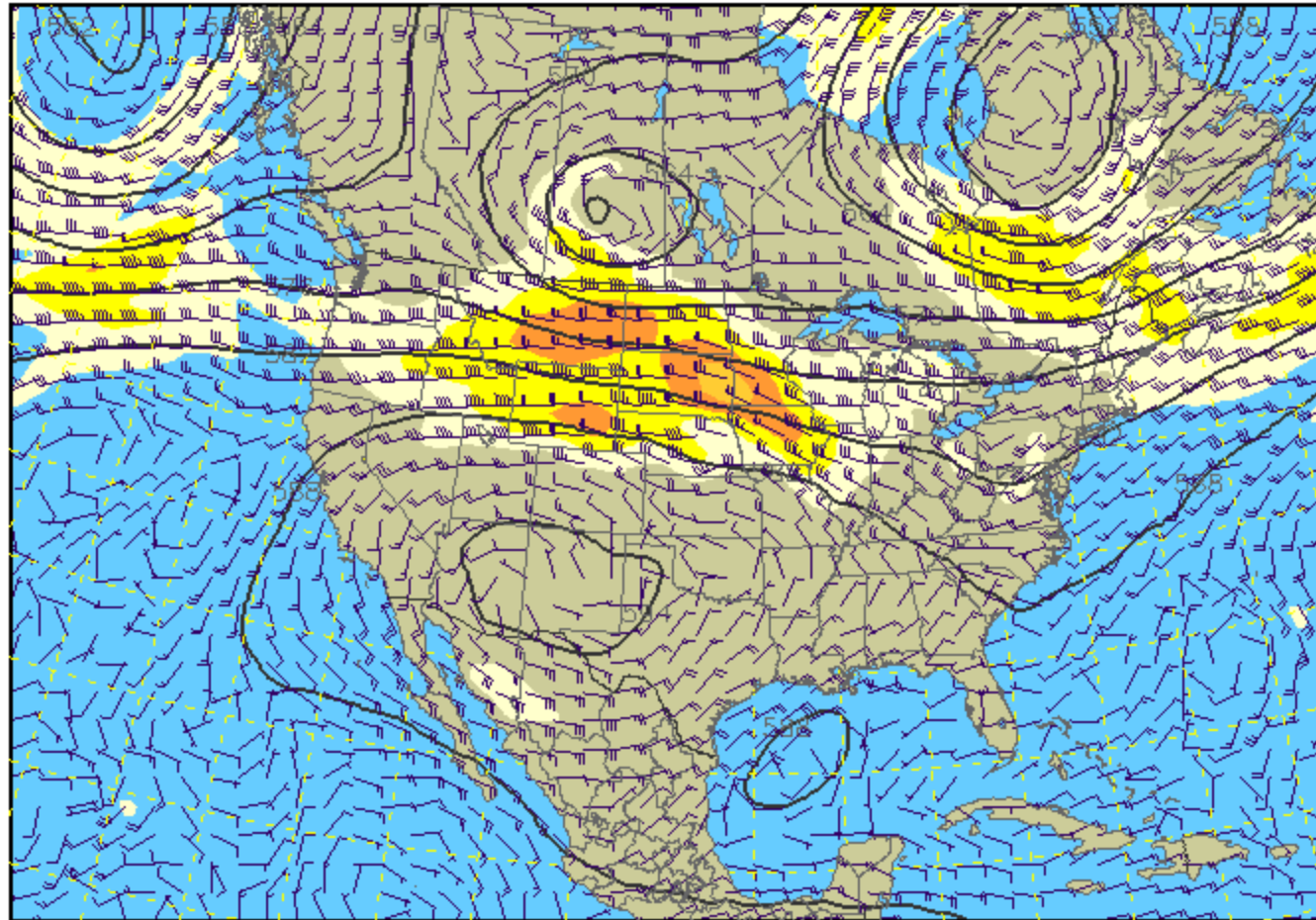


30 40 50 60 80 100 125 150 knots

500 mb Heights (dm) / Isotachs (knots)

84-hour forecast valid 1200 UTC Sat 26 Jul 2014

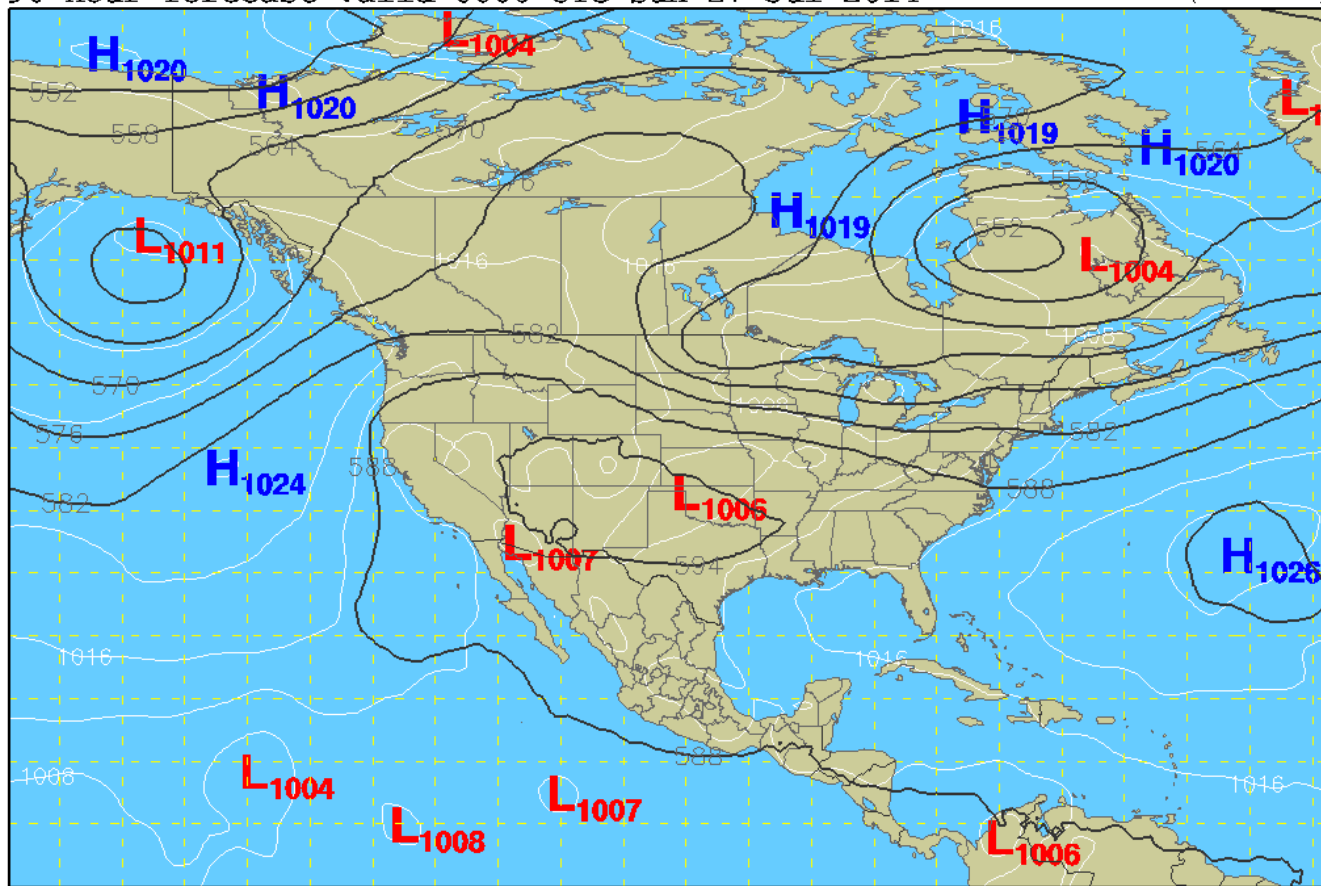
NAM (YRF-NMM) (00z 23 Jul)



MSLP (mb) / 500 mb Heights (dm)

96-hour forecast valid 0000 UTC Sun 27 Jul 2014

GFS (00z 23 Jul)

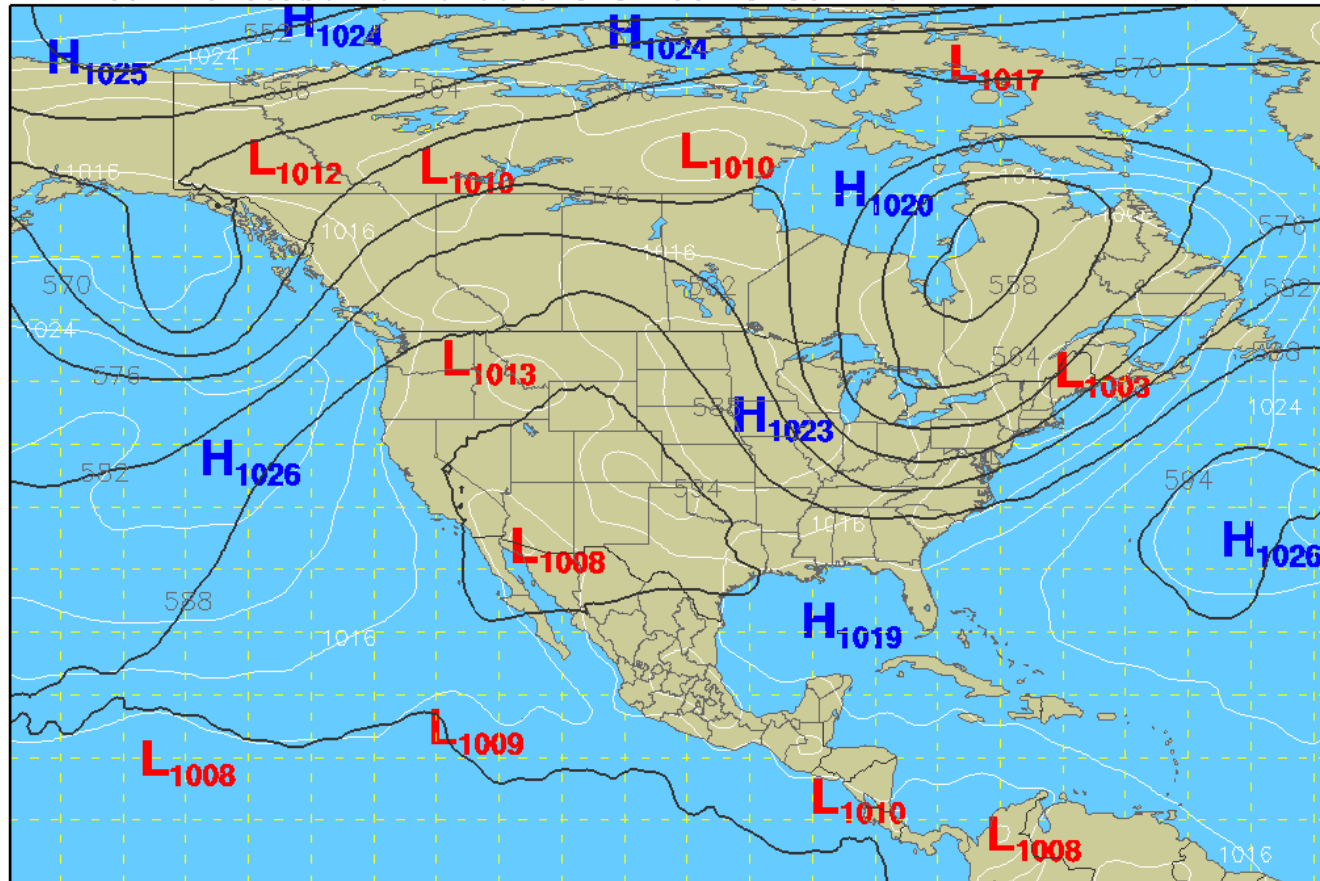


120-hour forecast valid 0000 UTC Mon 28 Jul 2014

MSLP (mb) / 500 mb Heights (dm)

144-hour forecast valid 0000 UTC Tue 29 Jul 2014

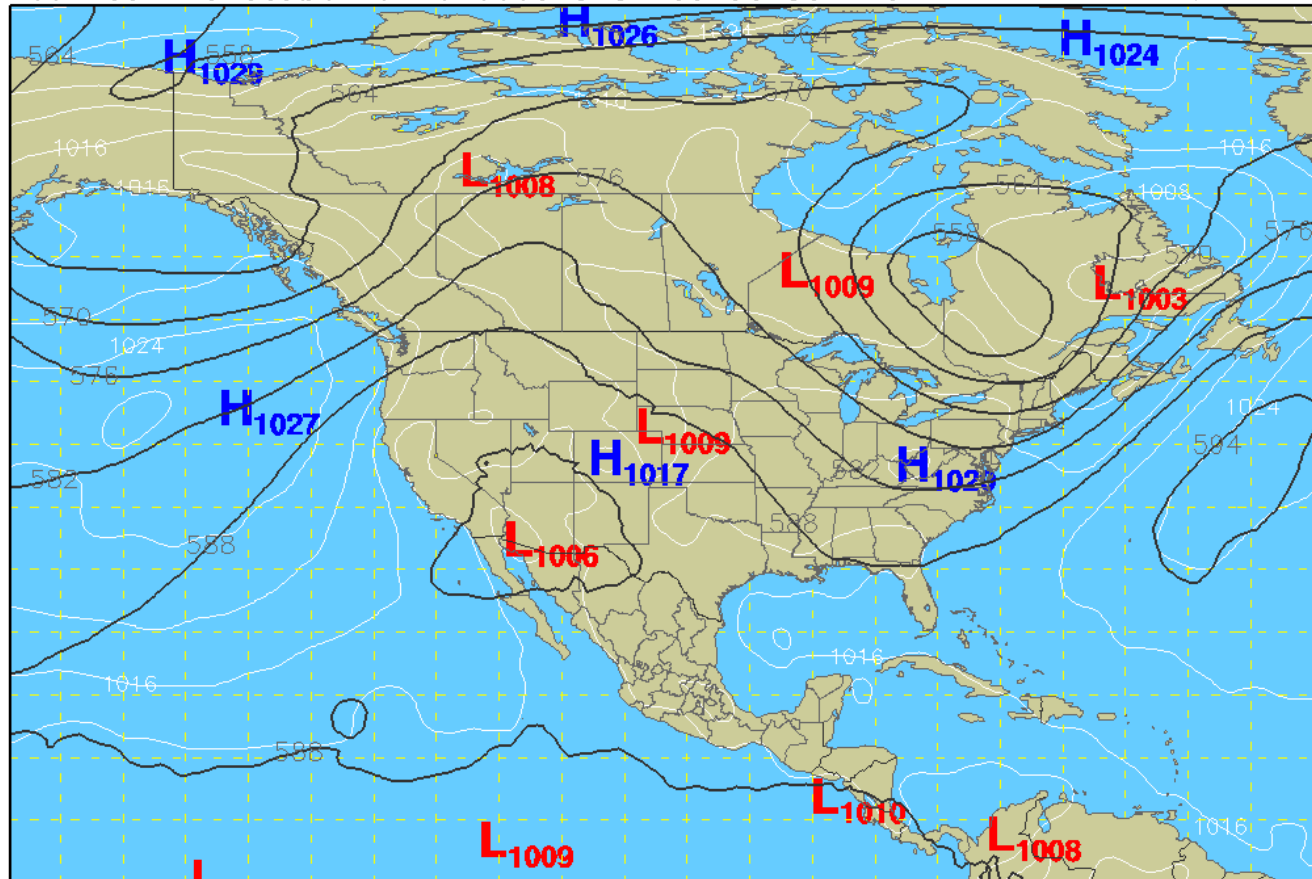
GFS (00z 23 Jul)



MSLP (mb) / 500 mb Heights (dm)

168-hour forecast valid 0000 UTC Wed 30 Jul 2014

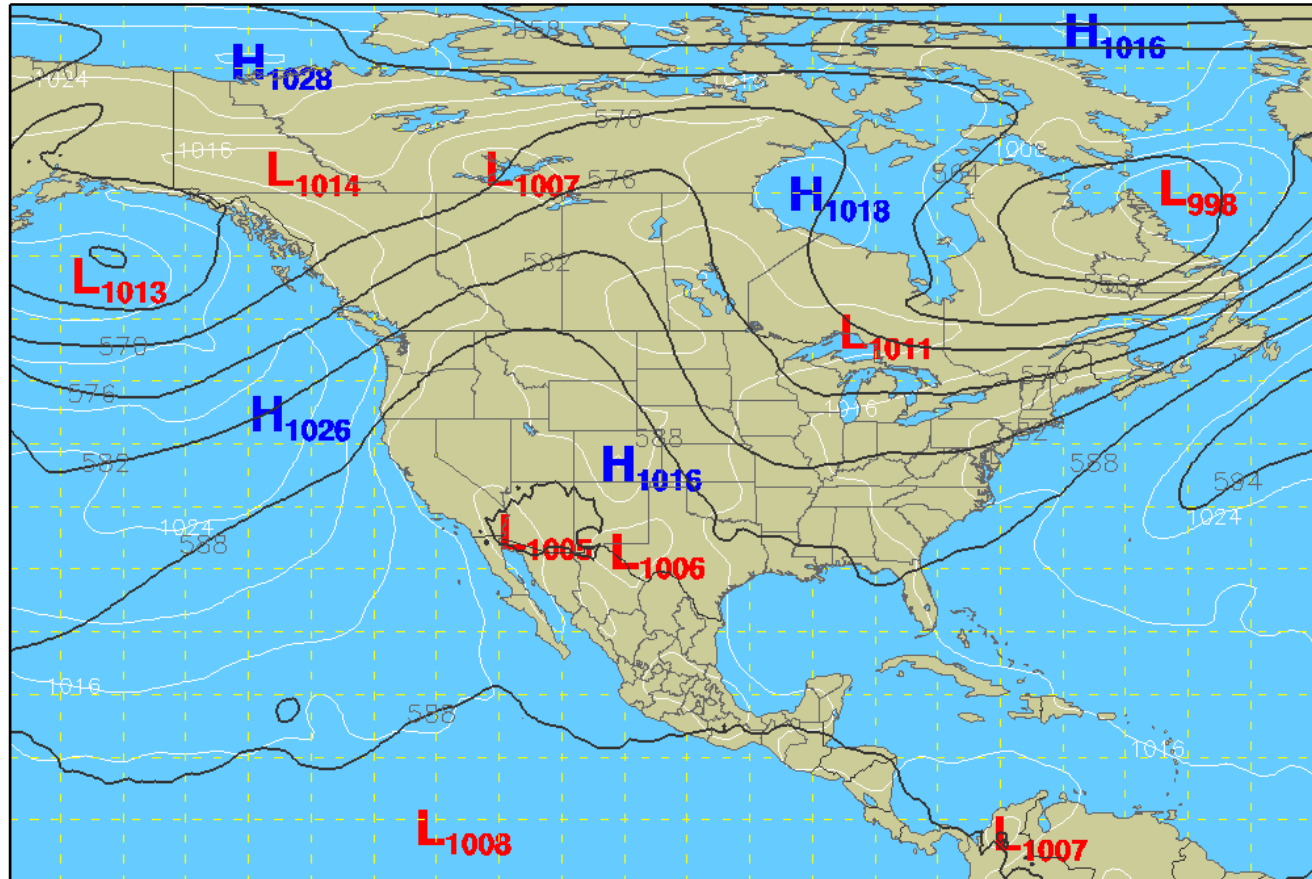
GFS (00z 23 Jul)



MSLP (mb) / 500 mb Heights (dm)

192-hour forecast valid 0000 UTC Thu 31 Jul 2014

GFS (00z 23 Jul)



Graphical Forecasts - Central Rockies

Public
Fire Weather
Tropical
Hazardous



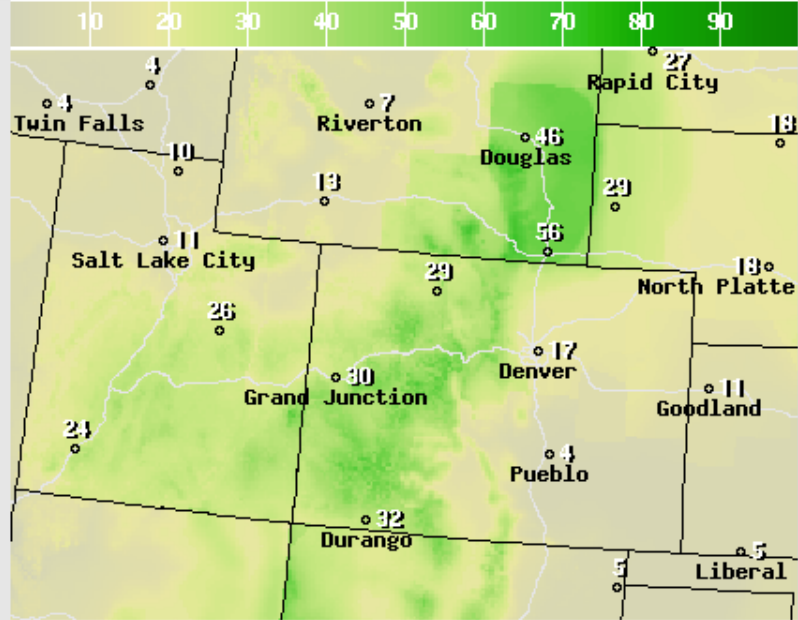
Daily View Weekly View Loops

Image List Page Help Metric Units Key

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Element Period	High / Low Temperature	Probability of Precip.	Weather
Today	High	PoP12	8am
			11am
			2pm
			5pm
Tonight	Low	PoP12	8pm
			11pm
			2am
			5am
Thursday	High	PoP12	8am
			11am
			2pm
			5pm
Thursday Night	Low	PoP12	8pm
			11pm
			2am
			5am
Friday	High	PoP12	8am
			11am
			2pm
			5pm
Friday Night	Low	PoP12	8pm
			2am
Saturday	High	PoP12	8am
			2pm
Saturday Night	Low	PoP12	8pm
			2am
Sunday	High	PoP12	8am
			2pm
Sunday Night	Low	PoP12	8pm
			2am



12Hr Prob.Precip(%) Ending Wed Jul 23 2014 8PM EDT
(Thu Jul 24 2014 00Z)
National Digital Forecast Database
13z issuance Graphic created-Jul 23 9:14AM EDT

- Warnings & Forecasts
- Graphical Forecasts
- National Maps
- Radar
- Water
- Air Quality
- Satellite
- Climate

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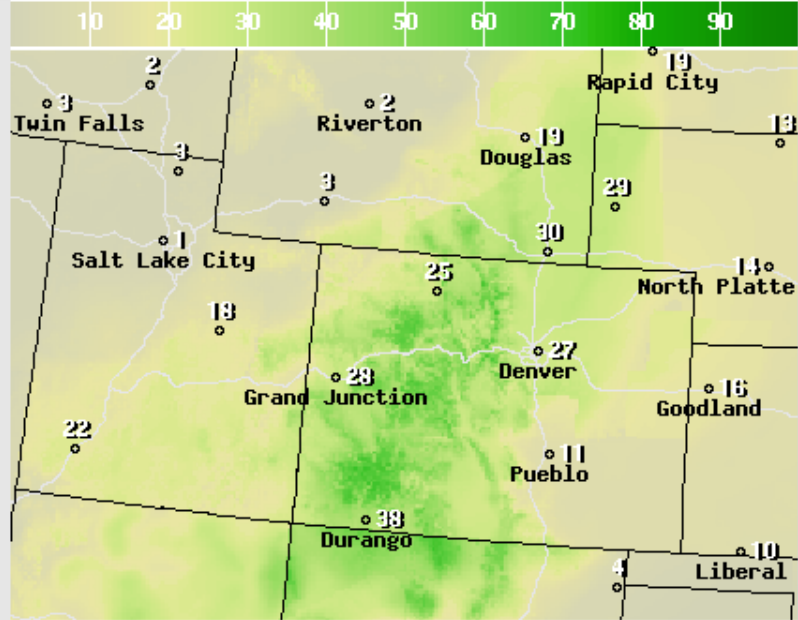
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Friday	High	PoP12	8am 11am 2pm 5pm
Friday Night	Low	PoP12	8pm 2am
Saturday	High	PoP12	8am 2pm
Saturday Night	Low	PoP12	8pm 2am
Sunday	High	PoP12	8am 2pm
Sunday Night	Low	PoP12	8pm 2am



12Hr Prob.Precip(%) Ending Thu Jul 24 2014 8PM EDT
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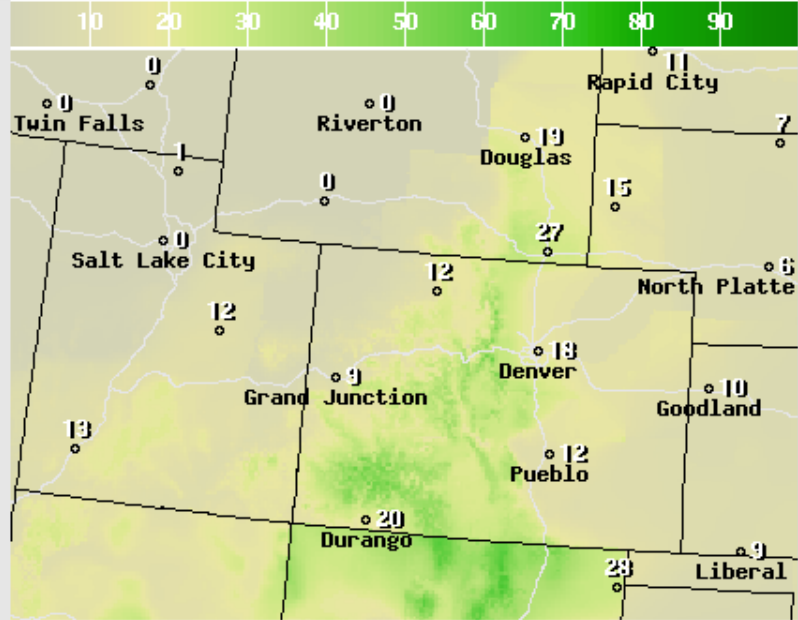
Daily View Weekly View Loops

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Thursday Night	Low	PoP12	8pm 11pm 2am 5am
Friday	High	PoP12	8am 11am 2pm 5pm
Friday Night	Low	PoP12	8pm 2am
Saturday	High	PoP12	8am 2pm
Saturday Night	Low	PoP12	8pm 2am
Sunday	High	PoP12	8am 2pm
Sunday Night	Low	PoP12	8pm 2am



12Hr Prob.Precip(%) Ending Fri Jul 25 2014 8PM EDT
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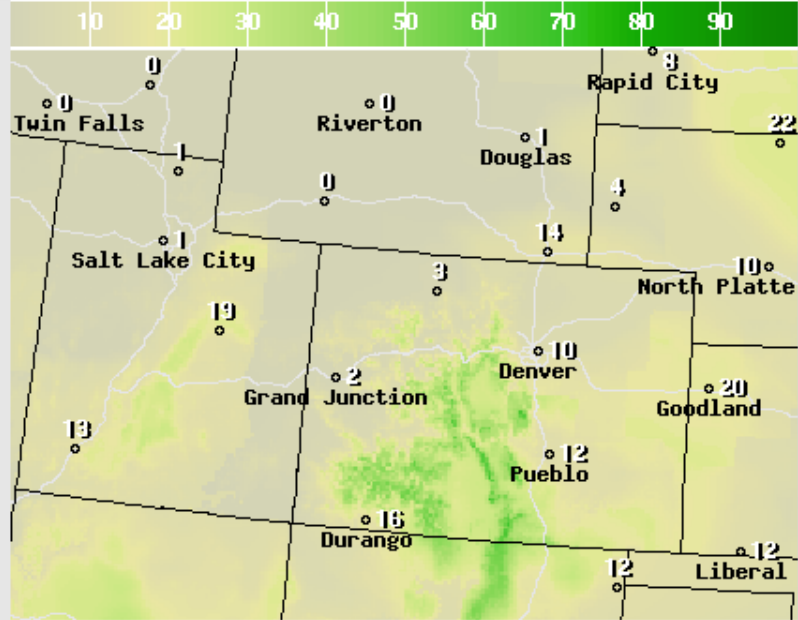
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Friday	High	PoP12	8am 11am 2pm 5pm
Friday Night	Low	PoP12	8pm 2am
Saturday	High	PoP12	8am 2pm
Saturday Night	Low	PoP12	8pm 2am
Sunday	High	PoP12	8am 2pm
Sunday Night	Low	PoP12	8pm 2am



12Hr Prob.Precip(%) Ending Sat Jul 26 2014 8PM EDT
(Sun Jul 27 2014 00Z)
National Digital Forecast Database
12z issuance Graphic created-Jul 23 8:32AM EDT

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- Climate

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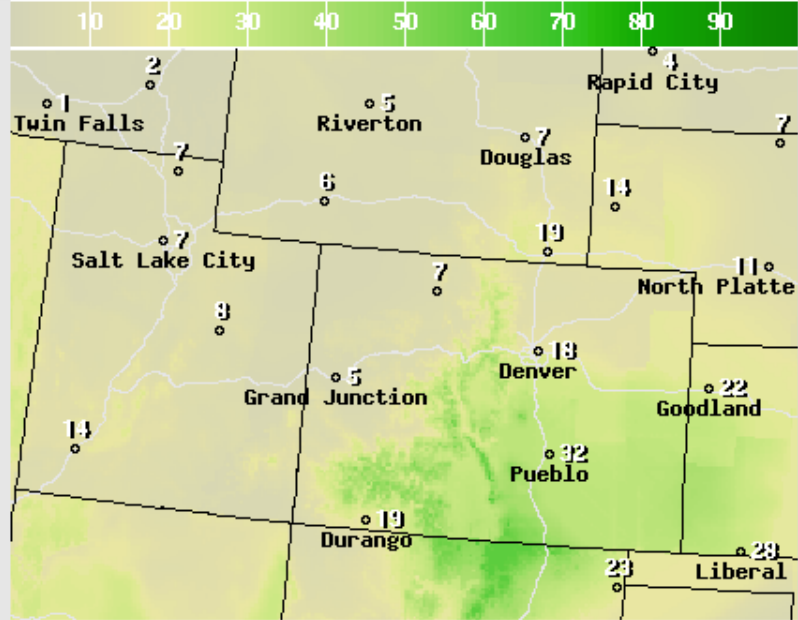
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Today	High	PoP12	8am 11am 2pm 5pm
Tonight	Low	PoP12	8pm 11pm 2am 5am
Thursday	High	PoP12	8am 11am 2pm 5pm
Thursday Night	Low	PoP12	8pm 11pm 2am 5am
Friday	High	PoP12	8am 11am 2pm 5pm
Friday Night	Low	PoP12	8pm 2am
Saturday	High	PoP12	8am 2pm
Saturday Night	Low	PoP12	8pm 2am
Sunday	High	PoP12	8am 2pm
Sunday Night	Low	PoP12	8pm 2am



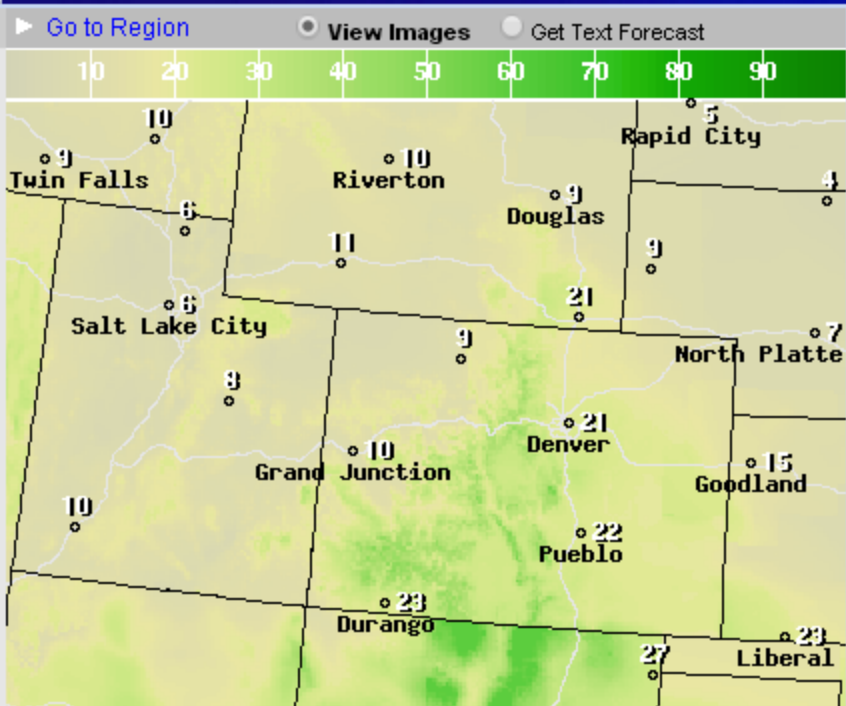
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Friday	High	PoP12	8am 11am 2pm 5pm
Friday Night	Low	PoP12	8pm 2am
Saturday	High	PoP12	8am 2pm
Saturday Night	Low	PoP12	8pm 2am
Sunday	High	PoP12	8am 2pm
Sunday Night	Low	PoP12	8pm 2am
Monday	High	PoP12	8am 2pm
Monday Night	Low	PoP12	8pm 2am
Tuesday	High	PoP12	8am 2pm



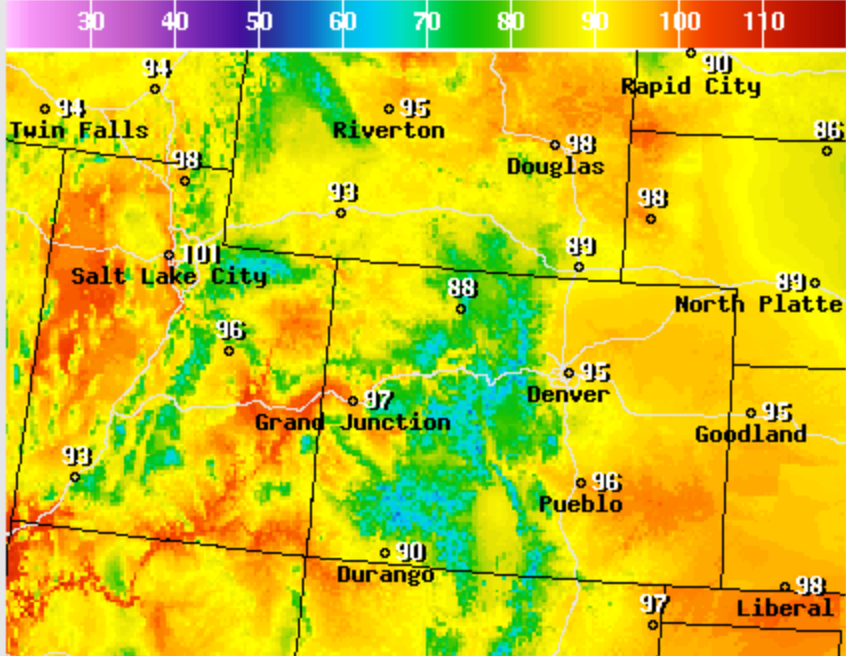
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Friday	High	PoP12	8am 11am 2pm 5pm
Friday Night	Low	PoP12	8pm 2am
Saturday	High	PoP12	8am 2pm
Saturday Night	Low	PoP12	8pm 2am
Sunday	High	PoP12	8am 2pm
Sunday Night	Low	PoP12	8pm 2am
Monday	High	PoP12	8am 2pm
Monday Night	Low	PoP12	8pm 2am
Tuesday	High	PoP12	8am 2pm

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High Temperature(F) Ending Wed Jul 23 2014 8PM EDT
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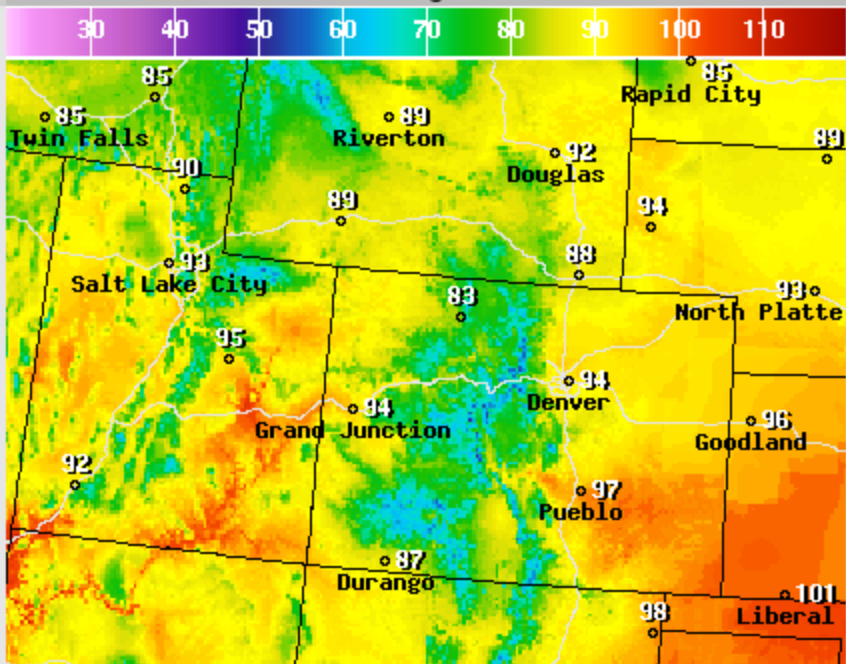
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Saturday Night	Low	PoP12	8pm 2am
Sunday	High	PoP12	8am 2pm
Sunday Night	Low	PoP12	8pm 2am
Monday	High	PoP12	8am 2pm
Monday Night	Low	PoP12	8pm 2am
Tuesday	High	PoP12	8am 2pm

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High Temperature(F) Ending Fri Jul 25 2014 8PM EDT



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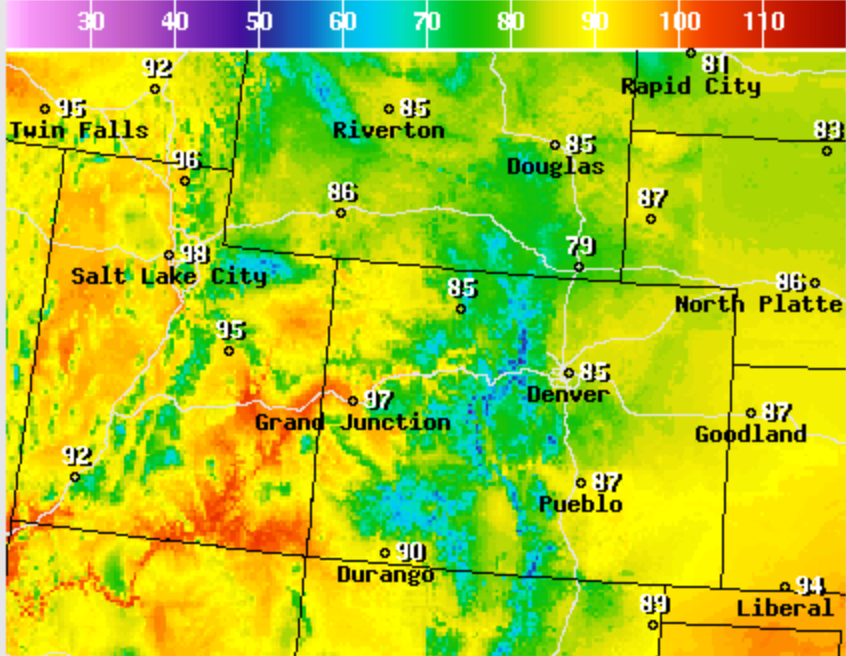


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Saturday Night	Low	PoP12	8pm 2am
Sunday	High	PoP12	8am 2pm
Sunday Night	Low	PoP12	8pm 2am
Monday	High	PoP12	8am 2pm
Monday Night	Low	PoP12	8pm 2am
Tuesday	High	PoP12	8am 2pm

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Friday Night	Low	PoP12	8pm 2am
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Saturday Night	Low	PoP12	8pm 2am
Sunday	High	PoP12	8am 2pm
Sunday Night	Low	PoP12	8pm 2am
Monday	High	PoP12	8am 2pm
Monday Night	Low	PoP12	8pm 2am
Tuesday	High	PoP12	8am 2pm

