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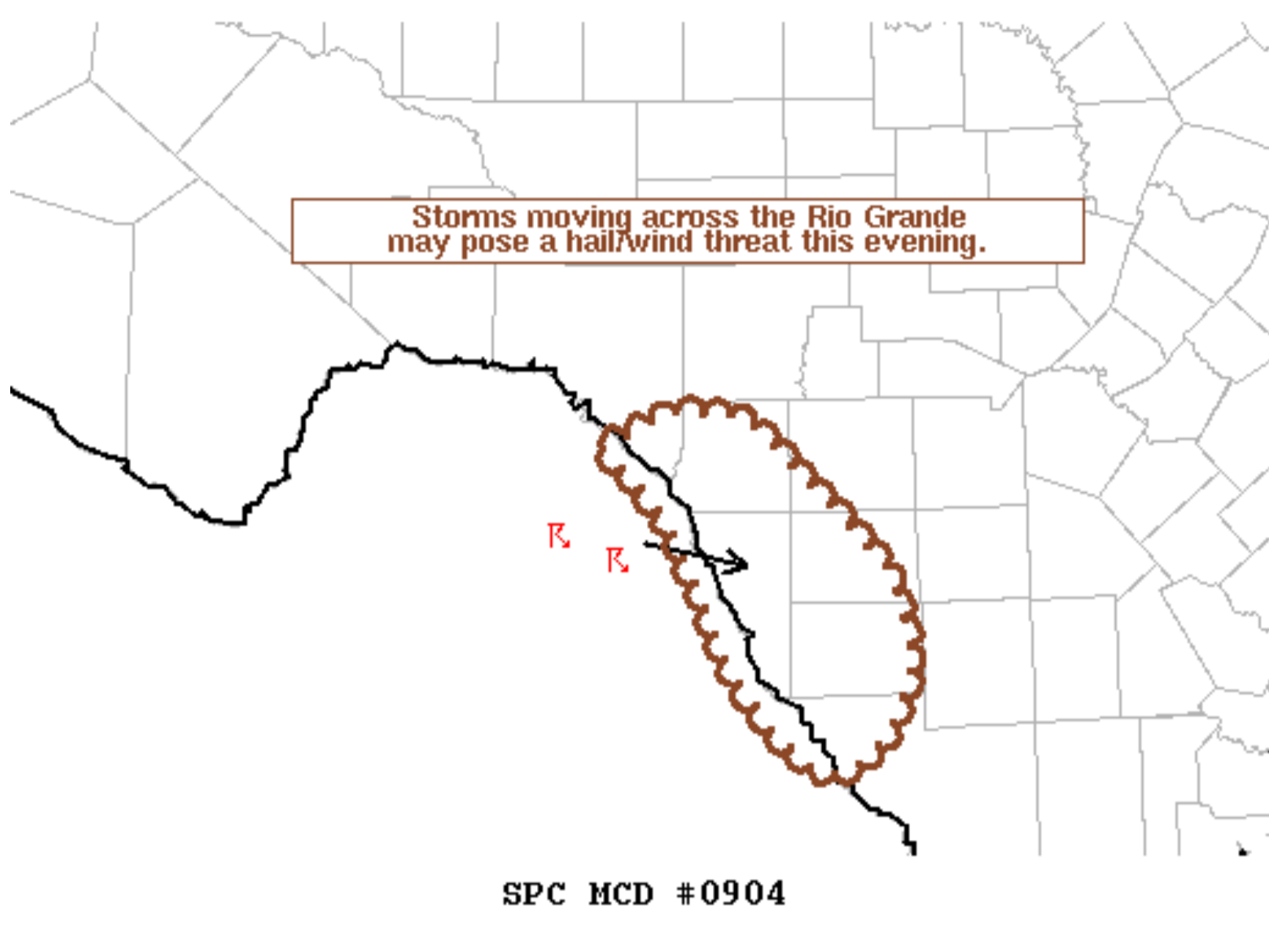
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- Home (Classic)
- SPC Products
 - All SPC Forecasts
 - Current Watches
 - Meso. Discussions
 - Conv. Outlooks
 - Tstm. Outlooks
 - Fire Wx Outlooks
 - RSS Feeds
 - E-Mail Alerts
- Weather Information
 - Storm Reports
 - Storm Reports Dev.
 - NWS Hazards Map
 - National RADAR
 - Product Archive
 - NOAA Weather Radio
- Research
 - Non-op. Products
 - Forecast Tools
 - Svr. Tstm. Events
 - SPC Publications
 - SPC-NSSL HWT
- Education & Outreach
 - About the SPC
 - SPC FAQ
 - About Tornadoes
 - About Derechos
 - Video Lecture Series
 - WCM Page
 - Enh. Fujita Page
 - Our History
 - Public Tours
- Misc.
 - Staff
 - Contact Us
 - SPC Feedback

Mesoscale Discussion 904

[< Previous MD](#) [Next MD >](#)



Mesoscale Discussion 0904
 NWS Storm Prediction Center Norman OK
 0557 PM CDT Tue May 24 2022

Areas affected...Rio Grande Valley in south-central Texas

Concerning...Severe Thunderstorm Watch 269...

Valid 242257Z - 250100Z

The severe weather threat for Severe Thunderstorm Watch 269 continues.

SUMMARY...Thunderstorms moving across the Rio Grande into south-central Texas may pose an isolated severe wind and large hail threat this evening south of [WW 269](#). SPC has coordinated with WFO San Antonio to expand [WW 269](#) south to address this potential.

DISCUSSION...Thunderstorms that developed off the Sierra del Carmen mountains in northern Mexico earlier this afternoon have shown a recent uptick in intensity (noted in lightning data, GOES IR imagery, and MRMS vertically integrated ice) after a period of stagnant growth. These cells are also showing signs of persistence as they move off the higher terrain and towards the Rio Grande. Given a very favorable thermodynamic environment along the river valley (2000-3000 J/kg MLCAPE with modest inhibition), as well as strong effective bulk shear to the east/southeast, storms will likely cross the river into south-central Texas. Most recent CAM solutions show this convection struggling to persist beyond 00 UTC as it moves further into TX, but a few members of the experimental WOFs guidance suggests a cell or two may meander south of the San Antonio area later this evening. These storms will primarily pose a large hail and severe wind risk, and the uncertain spatial and temporal nature of the threat precludes a new watch issuance, though [WW 269](#) will be extended southward to address this threat.

..Moore/Grams.. 05/24/2022

...Please see www.spc.noaa.gov for graphic product...

ATTN...WFO...CRP...EWX...

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