The Serrania del Burro are the northernmost part of the Sierra Madre Oriental mountain range in Coahuila, Mexico.

Traits that lead to SdB storms:
- Elevated terrain provides lift as the air is forced up the mountains.
- Rich moisture from the Gulf of Mexico in place to fuel the storms.
- The subtropical jet (part of the atmospheric jet stream) helps create wind shear that tilts the storms into supercells.

The storms move to the south and east, sometimes staying in Mexico, and sometimes crossing into Val Verde, Kinney, and Maverick Counties.
Mesoscale Discussion 388

Issued by Storm Prediction Center in Norman, OK at 3:54 pm.

Mentioned Severe Potential, but indicated a watch would be unlikely.

Discussed storms firing along the dry line (which happened farther north near San Angelo) and storms moving off the higher terrain in Mexico.

Severe hail and locally strong winds gusts were the primary threats talked about in this discussion.
Severe Thunderstorm Warning #52

Val Verde County

5:55 pm – 6:45 pm

Reports:

- Radar Image of the storm
- Could use GR2Analyst, NOAA Weather Toolkit (http://www.ncdc.noaa.gov/wct/), AWIPS, etc.
Severe Thunderstorm Warning #53

Maverick County

7:32 pm – 8:15 pm

Reports:
8:04 pm...2.00” Hail...5 N Eagle Pass*
8:13 pm...0.70” Hail...3 N Eagle Pass*
8:14 pm...1.00” Hail...3 N Eagle Pass*

*Indicates report took place in multiple warnings
Severe Thunderstorm Warning #54
Maverick County
8:08 pm – 8:45 pm

Reports:
8:04 pm...2.00” Hail...5 N Eagle Pass*
8:13 pm...0.70” Hail...3 N Eagle Pass*
8:14 pm...1.00” Hail...3 N Eagle Pass*
8:19 pm...1.25” Hail...Eagle Pass
Severe Thunderstorm Warning #55

Northwestern Dimmit, Maverick, and Southwestern Zavala Counties

8:41 pm – 9:30 pm

Reports:

Radar Image of the storm could use GR2Analyst, NOAA Weather Toolkit (http://www.ncdc.noaa.gov/wct/), AWIPS, etc.
All Hail Reports / Pictures

0808 PM HAIL 5 N EAGLE PASS 28.78N 100.49W
04/23/2014 E2.00 INCH MAVERICK TX PUBLIC
TIME ESTIMATED FROM RADAR

0813 PM HAIL 3 N EAGLE PASS 28.75N 100.49W
04/23/2014 E0.70 INCH MAVERICK TX PUBLIC

0814 PM HAIL 3 N EAGLE PASS 28.75N 100.50W
04/23/2014 E1.00 INCH MAVERICK TX PUBLIC

0819 PM HAIL EAGLE PASS 28.71N 100.49W
04/23/2014 E1.25 INCH MAVERICK TX LAW ENFORCEMENT

Hail from the north side of Eagle Pass // Photo Credit: Bill V. (via Facebook)
Cirrus blow off from the anvil of the storms over Mexico was driven over 100 miles to the Northeast by upper level winds leading to a cloudy evening in parts of the Hill Country. (image from 6:45pm)

By 2 pm on April 23\textsuperscript{rd} the high resolution models that are run every hour were already picking up on a single thunderstorm crossing the Rio Grande at or just south of Del Rio.

The below image was a predicted radar reflectivity image for 6 pm. The model was slightly east with the storm location.

Severe Thunderstorm Warning #52 was issued just before 6 pm for a small storm over Val Verde County while the main supercell remained in Mexico until around 7:30pm
Social Media

Hail in the Northwest side of Eagle Pass // Photo Credit: Jorge F. (via twitter)