May 7th, 8th, 9th Central Texas Storms

Austin - San Antonio Weather Forecast Office

Updated: 4:50 pm 5/10/14
May 9th Synoptic Set Up - Synopsis

An upper level trough moved across the southern Plains. This upper level lift, combined with moist air at lower levels (see the 850 mb dew point chart and surface dew point in the low 60s to low 70s), and a cold front provided the necessary ingredients for strong to severe thunderstorms.

Storms developed along the Rio Grande in the morning, then progressed across the area into the afternoon and early evening.

Wind shear was sufficient for the storms to maintain their strength and their outflows to organized new development into a line of storms. However, the shear was weak enough that supercells did not form, so the main threats were minimally severe hail and sub-severe gusty winds to 50-60 mph.

Storm cells merged and passed over the same locations, in Karnes County producing 2-3 inches of rain and minor flooding.
Concern for severe storms to form along the dryline, but overall storm strength questionable due to limited instability.
Severe Thunderstorm Watch #133

Issued by Storm Prediction Center in Norman, OK

From 5:40 pm to 10:00 pm (canceled at 9:45 pm) 5/8/14

Issued for the eastern Hill Country and I-35 Corridor north of San Antonio

Primary Threats Included:
- Large Hail to 1.50” diameter
- Damaging wind gusts to 70 mph
SPC Mesoscale Discussion #531

Issued by Storm Prediction Center in Norman, OK

At 8:20 pm 5/8/14

Concern for supercells to continue for another hour or two.
SPC Mesoscale Discussion #534

Issued by Storm Prediction Center in Norman, OK

At 9:41 pm 5/8/14

Severe storms still possible through 10:45 pm, but no new watch expected.
Severe storms producing a wind and hail threat through midday over the Rio Grande Plains and Edwards Plateau.

Issued by Storm Prediction Center in Norman, OK

At 9:46 am 5/9/14
Severe Thunderstorm Watch #134

Issued by Storm Prediction Center in Norman, OK

From 10:40 am to 7:00 pm ( canceled at 4:42 pm ) 5/9/14

Issued for all counties except Val Verde

Primary Threats Included:
• Large Hail to 2.50” diameter
• Damaging wind gusts to 80 mph
SPC Mesoscale Discussion #537

Issued by Storm Prediction Center in Norman, OK

At 2:00 pm

Storms becoming increasingly multicell with a continuing wind and hail threat.
Severe Thunderstorm Warning #58

Val Verde County

May 7th 6:35 pm – May 7th 7:00 pm

Reports:
Severe Thunderstorm Warning #59

East Central Burnet and Northwestern Williamson Counties

May 8th 2:35 pm – May 8th 3:00 pm

Reports:
2:35 pm...Funnel Cloud...Briggs
2:40 pm...T-Storm Wind Damage...Briggs
Severe Thunderstorm Warning #60

Northern Burnet and Northeastern Llano Counties

May 8th 4:59 pm – May 8th 5:30 pm

Reports:
Severe Thunderstorm Warning #61

Central Gillespie and Southwestern Llano Counties

May 8th 5:14 pm – May 8th 6:00 pm

Reports:
Severe Thunderstorm Warning #62

Northern Blanco, South Central Burnet, Extreme Northeastern Gillespie, and Extreme Southeastern Llano Counties

May 8th 6:17 pm – May 8th 7:00 pm

Reports:
Severe Thunderstorm Warning #63

Central Blanco and Northwestern Hays Counties

May 8th 6:47 pm – May 8th 7:30 pm

Reports:
Severe Thunderstorm Warning #64
Northeastern Burnet County
May 8th 7:07 pm –
May 8th 7:30 pm

Reports:
Small Stream Flood Advisory #2

Northwestern Burnet County

May 8th 7:32 pm – May 8th 9:30 pm

Reports:
Severe Thunderstorm Warning #65

South Central Edwards and Southwestern Real Counties

May 9th 9:08 am – May 9th 10:00 am

Reports:
9:15 am...0.25” Hail...6 WNW Barksdale
9:18 am...1.00” Hail...6 W Barksdale
9:30 am...60 mph T-Storm Wind...Camp Wood
9:30 am...1.00” Hail...Camp Wood
Severe Thunderstorm Warning #66

Western Bandera, Northwestern Media, Southeastern Real, and Northeastern Uvalde Counties

May 9th 10:04 am – May 9th 10:45 am

Reports:
10:15 am...0.25” Hail...2 ENE Leakey
10:15 am...0.70” Hail...Leakey
10:35 am...0.25” Hail...Lost Maples State Park
10:35 am...1.00” Hail...2 NNW Vanderpool
Severe Thunderstorm Warning #67

Western Bandera, Northwestern Media, and Extreme Northeastern Uvalde Counties

May 9th 10:41 am –
May 9th 11:15 am

Reports:
11:06 am...0.25” Hail...Tarpley
Severe Thunderstorm Warning #68

Northwestern Bexar, South Central Blanco, Western Comal, and Southern Kendall Counties

May 9th 12:11 pm – May 9th 1:00 pm

Reports:
12:17 pm...0.50” Hail...1 W Boerne
12:19 pm...1.00” Hail...4 W Bergheim
12:30 pm...0.50” Hail...1 ESE Bergheim
12:59 pm...0.70” Hail...4 SSE Twin Sisters*

*Indicates report took place in multiple warnings
Severe Thunderstorm Warning #69

Southeastern Kinney, Northern Maverick, Southwestern Uvalde, and Northwestern Zavala Counties

May 9th 12:27 pm –
May 9th 1:15 pm

Reports:
12:30 pm...T-Storm Wind Damage... 8 S Uvalde
12:50 pm...0.25” Hail...Uvalde
Severe Thunderstorm Warning #70

North Central Bexar, Southern Comal, and West Central Guadalupe Counties

May 9th 12:45 pm – May 9th 1:30 pm

Reports:
12:55 pm...0.25” Hail...6 ENE Bulverde
Severe Thunderstorm Warning #71

Extreme south Central Blanco, Northern Comal, West Central Hays, and Extreme East Central Kendall Counties

May 9th 12:58 pm – May 9th 1:45 pm

Reports:
12:59 pm...0.70” Hail...4 SSE Twin Sisters*
1:00 pm...0.50” Hail...8 NE Spring Branch
Severe Thunderstorm Warning #72

North Central Bexar, Southern Comal, Northwestern Guadalupe, and South Central Hays Counties

May 9th 1:00 pm – May 9th 1:45 pm

Reports:
1:15 pm...T-Storm Wind Damage...4 E New Braunfels

VTEC ID: 2014.O.NEW.KEXX.SV.W.0072
09 May 2014 1:00 PM CDT
Severe Thunderstorm Warning #73

Northwestern Frio, Southwestern Medina, Southeastern Uvalde, Northeastern Zavala Counties

May 9th 1:09 pm – May 9th 2:00 pm

Reports:
1:30 pm...T-Storm Wind Damage...Sabinal
1:35 pm...0.25” Hail...Sabinal
Urban & Small Stream Flood Adv. #3

Karnes County

May 9th 1:34 pm – May 9th 3:30 pm

Reports:
2:30 pm…Flash Flooding…1 SSW Karnes City
• FM99 at US181 and FM792 at TX80 both closed due to flooding.
3:15 pm…Flash Flooding…Karnes City*
• All of CR1353 south out of Karnes City is closed due to water over the road.
Severe Thunderstorm Warning #74

Northwestern Caldwell, Northeastern Comal, Southern Hays, and South Central Travis Counties

May 9th 1:45 pm – May 9th 2:30 pm

Reports:
Severe Thunderstorm Warning #75

Eastern Caldwell County

May 9th 1:46 pm – May 9th 2:30 pm

Reports:
2:15 pm...0.75” Hail...7 NNE Luling
Severe Thunderstorm Warning #76

Southwestern Atascosa and Extreme Southeastern Frio Counties

May 9th 2:43 pm – May 9th 3:30 pm

Reports:
Flash Flood Warning #1

Karnes County...including the Cities of Kenedy and Karnes City

May 9th 3:06 pm – May 9th 7:00 pm

Reports:
3:15 pm...Flash Flooding...Karnes City*
• All of CR1353 south out of Karnes City is closed due to water over the road.

*Indicates report took place in multiple warnings/advisories
Severe Thunderstorm Warning #77

Eastern Bexar, South Central Comal, Southwestern Guadalupe, and Northwestern Wilson Counties

May 9th 3:18 pm – May 9th 4:00 pm

Reports:
Severe Thunderstorm Warning #78
Southeastern Atascosa and Extreme West Central Karnes Counties
May 9th 3:28 pm – May 9th 4:15 pm

Reports:
Severe Thunderstorm Warning #79

South Central Fayette, Extreme Northeastern Gonzales, and Northern Lavaca Counties

May 9th 3:30 pm – May 9th 4:30 am

Reports:
Small Stream Flood Advisory #4

Northeastern Gonzales, Northwestern Lavaca, and Southwestern Fayette County

May 9th 3:54 pm – May 9th 6:00 pm

Reports:
0943 PM    TSTM WND GST    LAUGHLIN AFB    29.36N 100.78W
05/06/2014  M58 MPH      VAL VERDE      TX      ASOS

0220 PM    LIGHTNING     3 SSE WIMBERLEY   29.95N  98.09W
05/08/2014              HAYS              TX      FIRE DEPT/RESCUE

CLOUD TO GROUND LIGHTNING STRUCK A HOUSE CAUSING FIRE AND SMOKE DAMAGE TO THE KITCHEN

0230 PM    HAIL          BRIGGS          30.87N  97.92W
05/08/2014  E0.25 INCH   BURNET          TX      LAW ENFORCEMENT

0235 PM    FUNNEL CLOUD  BRIGGS          30.87N  97.92W
05/08/2014              BURNET          TX      LAW ENFORCEMENT

SHERIFFS OFFICER IN FIELD WAS MONITORING A FUNNEL CLOUD

0240 PM    TSTM WND DMG  BRIGGS          30.87N  97.92W
05/08/2014              BURNET          TX      LAW ENFORCEMENT

TREE LIMBS DOWN FROM THUNDERSTORM WIND GUSTS

0626 PM    HAIL          17 NW BRIGGS    31.03N  98.14W
05/08/2014  E0.75 INCH   BURNET          TX      TRAINED SPOTTER

0628 PM    TSTM WND GST  17 NW BRIGGS    31.03N  98.14W
05/08/2014  M62 MPH      BURNET          TX      TRAINED SPOTTER

0853 PM    HAIL          ROUND ROCK      30.52N  97.67W
05/08/2014  E0.25 INCH   WILLIAMSON      TX      TRAINED SPOTTER

Radar Image from Storm on 5/7/14 in Val Verde County. This storm went on to produce large hail in the city of San Angelo.
All Hail Reports / Pictures

0900 PM HAIL ROUND ROCK 30.52N 97.67W
05/08/2014 E0.25 INCH WILLIAMSON TX STORM CHASER

0830 AM HAIL CARTA VALLEY 29.80N 100.68W
05/09/2014 E0.25 INCH EDWARDS TX CO-OP OBSERVER

0915 AM HAIL 6 WNW BARKSDALE 29.73N 100.13W
05/09/2014 E0.25 INCH EDWARDS TX TRAINED SPOTTER

ALSO HAD SOME WIND GUSTS 35 TO 40 MPH

0918 AM HAIL 6 W BARKSDALE 29.70N 100.13W
05/09/2014 E1.00 INCH EDWARDS TX TRAINED SPOTTER

HAIL COVERING THE GROUND

0930 AM HAIL CAMP WOOD 29.67N 100.01W
05/09/2014 E1.00 INCH REAL TX TRAINED SPOTTER

HAIL COMING DOWN HARD AND FAST

0930 AM TSTM WND GST CAMP WOOD 29.67N 100.01W
05/09/2014 E60 MPH REAL TX TRAINED SPOTTER

THUNDERSTORM WIND GUSTS BLOWING FROM 50 TO 60 MPH

1015 AM HAIL LEAKEY 29.72N 99.76W
05/09/2014 E0.70 INCH REAL TX LAW ENFORCEMENT

1015 AM HAIL 2 ENE LEAKEY 29.73N 99.73W
05/09/2014 E0.25 INCH REAL TX TRAINED SPOTTER

1035 AM HAIL LOST MAPLES STATE PARK 29.84N 99.59W
05/09/2014 E0.25 INCH BANDERA TX CO-OP OBSERVER

Pea Size Hail from May 9th on the north side of San Antonio (Photo Credit: Gary W. via Facebook)
<table>
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<tr>
<th>Time</th>
<th>Action</th>
<th>Location</th>
<th>Lat/Long</th>
<th>Notes</th>
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<tbody>
<tr>
<td>1035 AM</td>
<td>HAIL</td>
<td>2 NNW VANDERPOOL</td>
<td>29.76N 99.56W</td>
<td>05/09/2014 E1.00 INCH BANDERA TX PUBLIC</td>
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<tr>
<td>1035 AM</td>
<td>HAIL</td>
<td>2 NNW VANDERPOOL</td>
<td>29.76N 99.56W</td>
<td>PUTTING VEHICLES UNDER CARPORTS TO PROTECT FROM LARGE HAIL</td>
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<tr>
<td>1106 AM</td>
<td>HAIL</td>
<td>TARPLEY</td>
<td>29.63N 99.28W</td>
<td>05/09/2014 E0.25 INCH BANDERA TX CO-OP OBSERVER</td>
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<tr>
<td>1217 PM</td>
<td>HAIL</td>
<td>1 W BOERNE</td>
<td>29.80N 98.76W</td>
<td>05/09/2014 E0.50 INCH KENDALL TX TRAINED SPOTTER</td>
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<tr>
<td>1219 PM</td>
<td>HAIL</td>
<td>4 W BERGHEIM</td>
<td>29.81N 98.65W</td>
<td>05/09/2014 E1.00 INCH KENDALL TX PUBLIC</td>
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<tr>
<td>1230 PM</td>
<td>HAIL</td>
<td>1 NNW LEON SPRINGS</td>
<td>29.68N 98.64W</td>
<td>05/09/2014 E0.25 INCH BEXAR TX TRAINED SPOTTER</td>
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<tr>
<td>1230 PM</td>
<td>HAIL</td>
<td>1 S LEON SPRINGS</td>
<td>29.65N 98.63W</td>
<td>05/09/2014 E1.50 INCH BEXAR TX LAW ENFORCEMENT</td>
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<tr>
<td>1230 PM</td>
<td>HAIL</td>
<td>1 ESE BERGHEIM</td>
<td>29.81N 98.56W</td>
<td>05/09/2014 E0.50 INCH COMAL TX COCORAHLS</td>
</tr>
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</table>

**Also...Heavy rain and wind gusts 25 to 30 mph**

**Also...very heavy rain with wind gusts to 35 mph**

**Also...wind gusts to E55 mph**

AVERAGE HAIL SIZE REPORTED AS 0.375
1230 PM TSTM WND GST 8 S UVALDE 29.11N 99.77W
05/09/2014 E70 MPH UVALDE TX EMERGENCY MNGR

THUNDERSTORM WIND GUSTS BLEW THE ROOF OFF AN 80 X
200 FOOT SECTION OF AN OFFICE BUILDING AT THE
CONTINENTAL TEST TRACK. WINDS WERE OBSERVED TO BE
STRAIGHT LINE.

1250 PM HAIL UVALDE 29.22N 99.78W
05/09/2014 E0.25 INCH UVALDE TX LAW ENFORCEMENT

HAIL BEING HORIZONTALLY WIND DRIVEN

1259 PM HAIL 4 SSE TWIN SISTERS 29.95N 98.37W
05/09/2014 E0.70 INCH COMAL TX COCORAHS

0115 PM TSTM WND DMG 4 E NEW BRAUNFELS 29.70N
98.05W
05/09/2014 GUADALUPE TX NWS EMPLOYEE

6-8 INCH DIAMETER TREE DOWN ALONG WITH MULTIPLE
FULL TRASH CANS BLOWN OVER.

0130 PM TSTM WND DMG SABINAL 29.32N 99.47W
05/09/2014 UVALDE TX PUBLIC

TOP HALF OF A LARGE HEALTHY PECAN TREE BLOWN
DOWN BY THUNDERSTORM WIND GUSTS

Straight line wind damage from the Continental Test Track in
Uvalde, TX (Photo Credit: Uvalde EM)
### All Hail Reports / Pictures

<table>
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<th>Longitude</th>
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<tr>
<td>01:35 PM</td>
<td>HAIL</td>
<td>SABINAL</td>
<td>29.32N</td>
<td>99.47W</td>
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<tr>
<td>05/09/2014</td>
<td>E0.25 INCH</td>
<td>UVALDE</td>
<td>TX</td>
<td>PUBLIC</td>
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<tr>
<td>02:15 PM</td>
<td>HAIL</td>
<td>7 NNE LULING</td>
<td>29.78N</td>
<td>97.61W</td>
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<tr>
<td>05/09/2014</td>
<td>E0.75 INCH</td>
<td>CALDWELL</td>
<td>TX</td>
<td>PUBLIC</td>
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<tr>
<td>02:30 PM</td>
<td>FLASH FLOOD</td>
<td>1 SSW KARNES CITY</td>
<td>28.88N</td>
<td>97.91W</td>
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<tr>
<td>05/09/2014</td>
<td></td>
<td>KARNES</td>
<td>TX</td>
<td>LAW ENFORCEMENT</td>
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**FM 99 AT US 181 AND FM 792 AT TX 80 BOTH CLOSED DUE TO FLOODING.**

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<td>FLASH FLOOD</td>
<td>KARNES CITY</td>
<td>28.89N</td>
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<td>TX</td>
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**ALL OF CR1353 SOUTH OUT OF KARNES CITY IS CLOSED DUE TO WATER OVER ROAD**

Mammatus clouds (above) at our office shortly after the storms passed through. Picture from around 5 pm. More Mammatus at sunset with the KEWX Radar front and center.
Total Rainfall

24Hr Rainfall Ending 7AM May 10, 2014
Operations floor in the middle of the Event. 8 Forecasters and a Ham Operator worked the event issuing Warnings, taking storm reports, posting on Social Media, and issuing the routine Terminal Forecasts and 7-Day Forecast Package.
HAM Radio Information

HAM Radio operators! You can contact us at WX5EWX to submit reports during severe weather events.