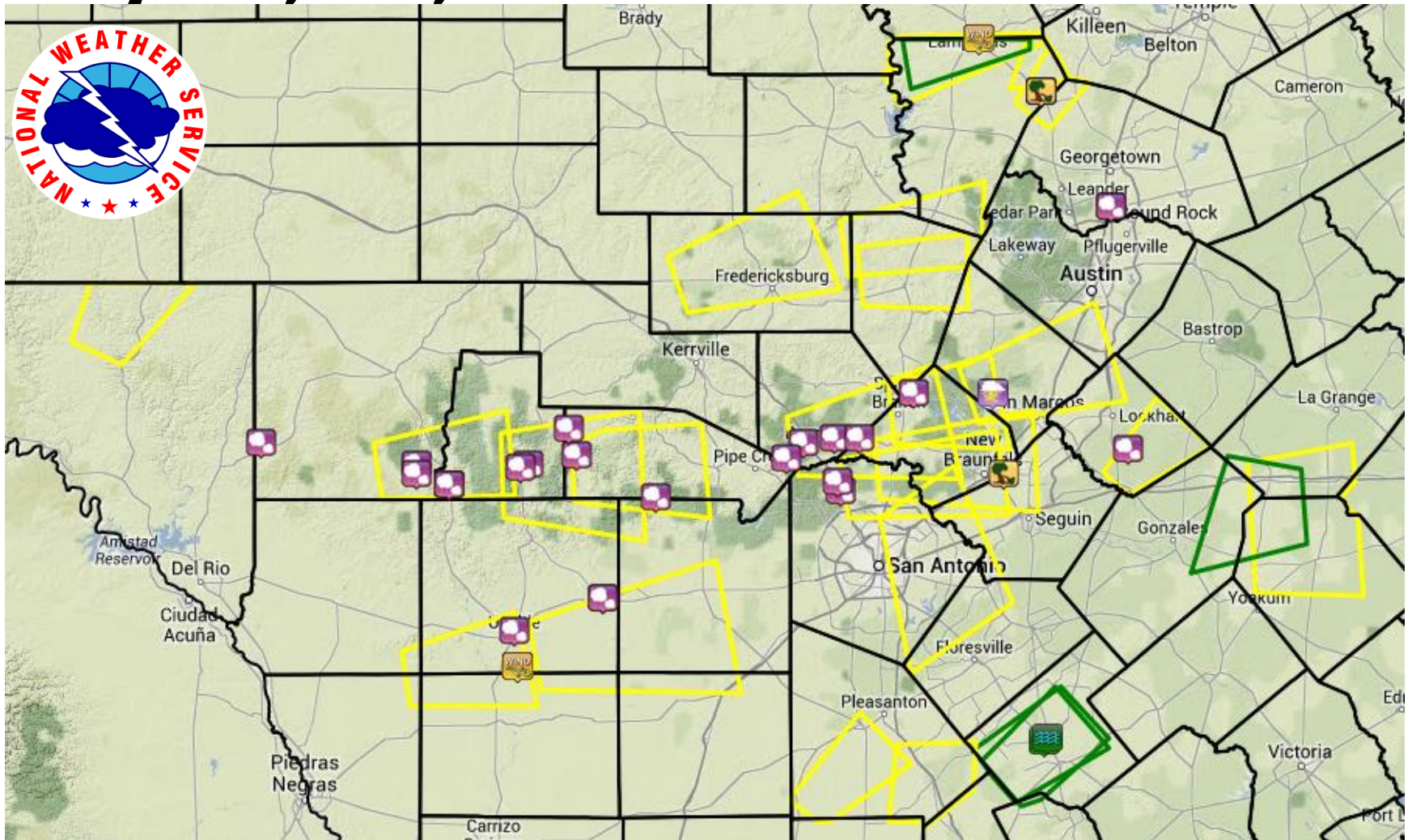


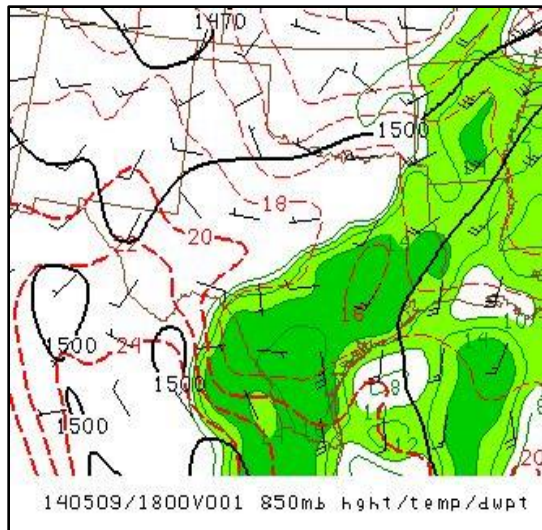
# May 7<sup>th</sup>, 8<sup>th</sup>, 9<sup>th</sup> Central Texas Storms



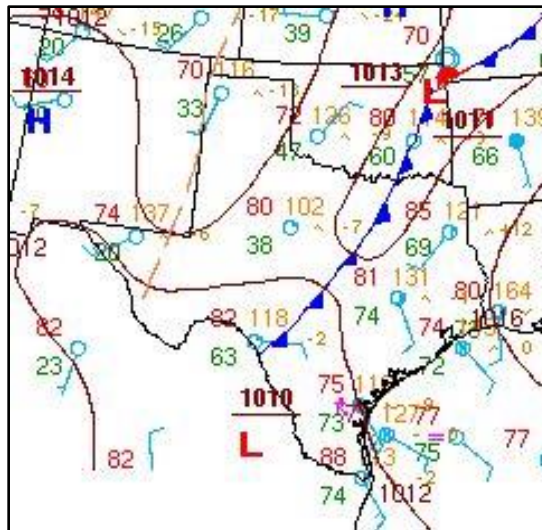
**Austin - San Antonio Weather Forecast Office**

Updated: 4:50 pm 5/10/14

# May 9<sup>th</sup> Synoptic Set Up - Synopsis



18Z/1 pm 850 mb – very moist in green.



18Z/1 pm Surface Map – Cold front across Central TX

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.



# SPC Mesoscale Discussion #525



Issued by Storm Prediction Center in Norman, OK

At 1:11 pm 5/8/14

Concern for severe storms to form along the dryline, but overall storm strength questionable due to limited instability.

# Severe Thunderstorm Watch #133



**Severe Thunderstorm Watch # 133 - Valid from 540 PM until 1000 PM CDT**

NOAA/NWS/Storm Prediction Center

Updated: 20140508/2241 UTC

Hazard	Tornadoes	EF2+ Tornadoes	Severe Wind	65 kt+ Wind	Severe Hail	2"+ Hail
Likelihood	Low	Very Low	Moderate	Low	Moderate	Low

Issued by Storm Prediction Center in Norman, OK

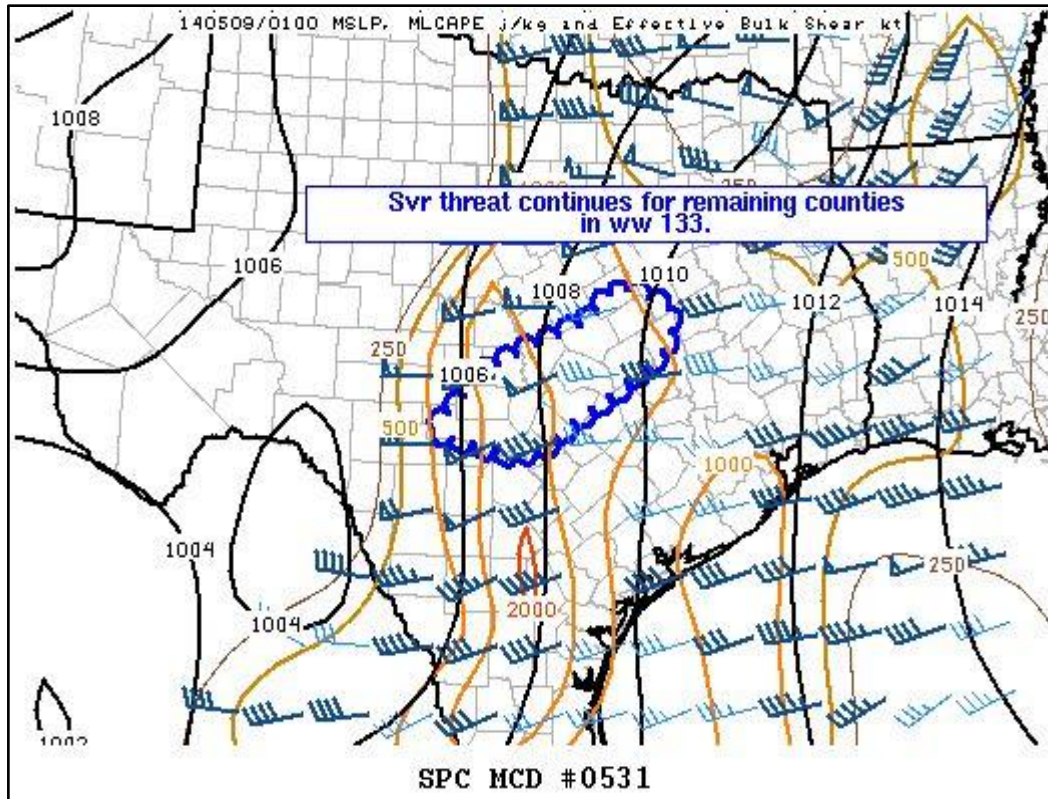
From 5:40 pm to 10:00 pm  
(canceled at 9:45 pm) 5/8/14

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.

# SPC Mesoscale Discussion #535



Issued by Storm Prediction Center in Norman, OK

At 9:46 am 5/9/14

Severe storms producing a wind and hail threat through midday over the Rio Grande Plains and Edwards Plateau.

# Severe Thunderstorm Watch #134

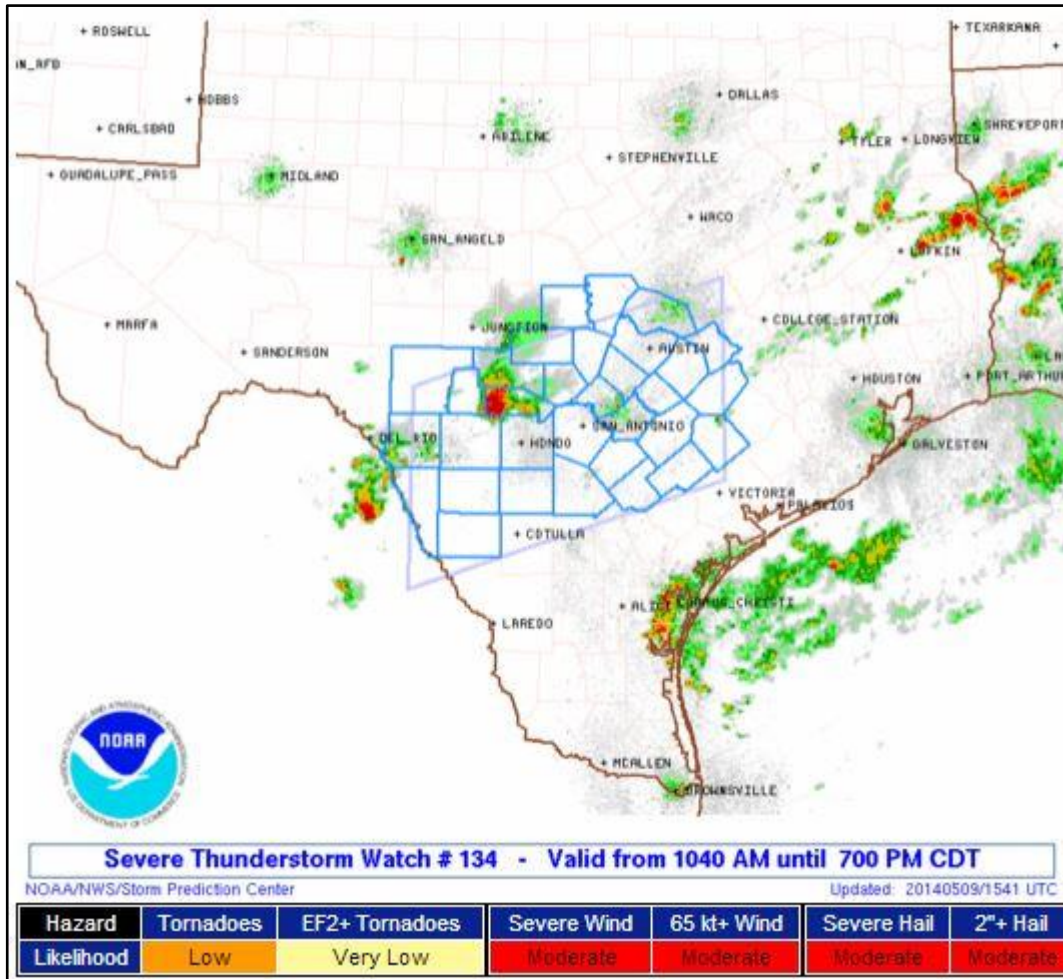
Issued by Storm Prediction Center in Norman, OK

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

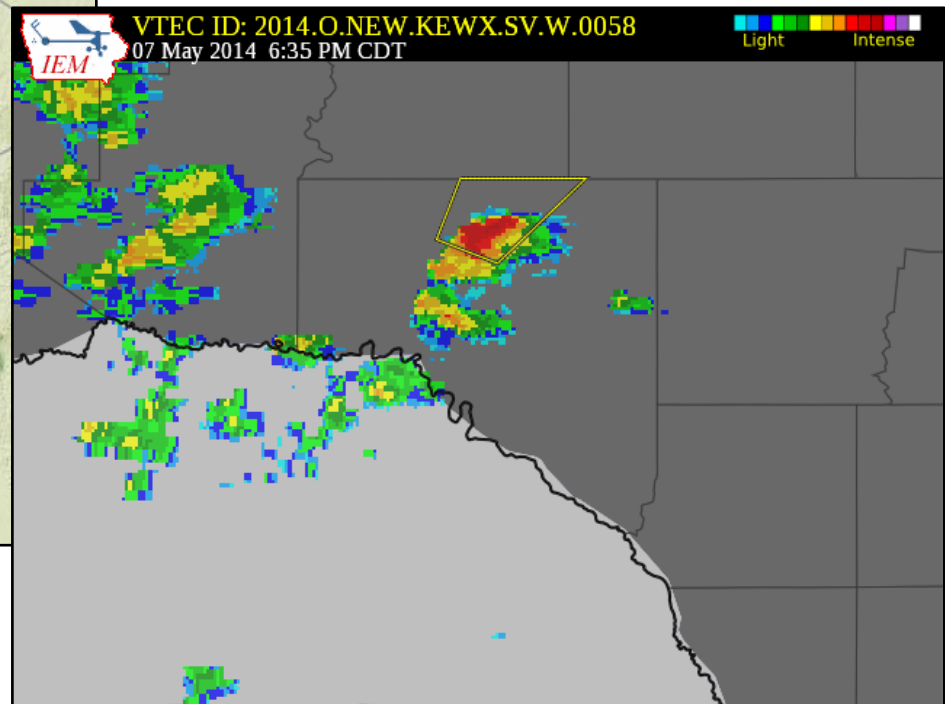
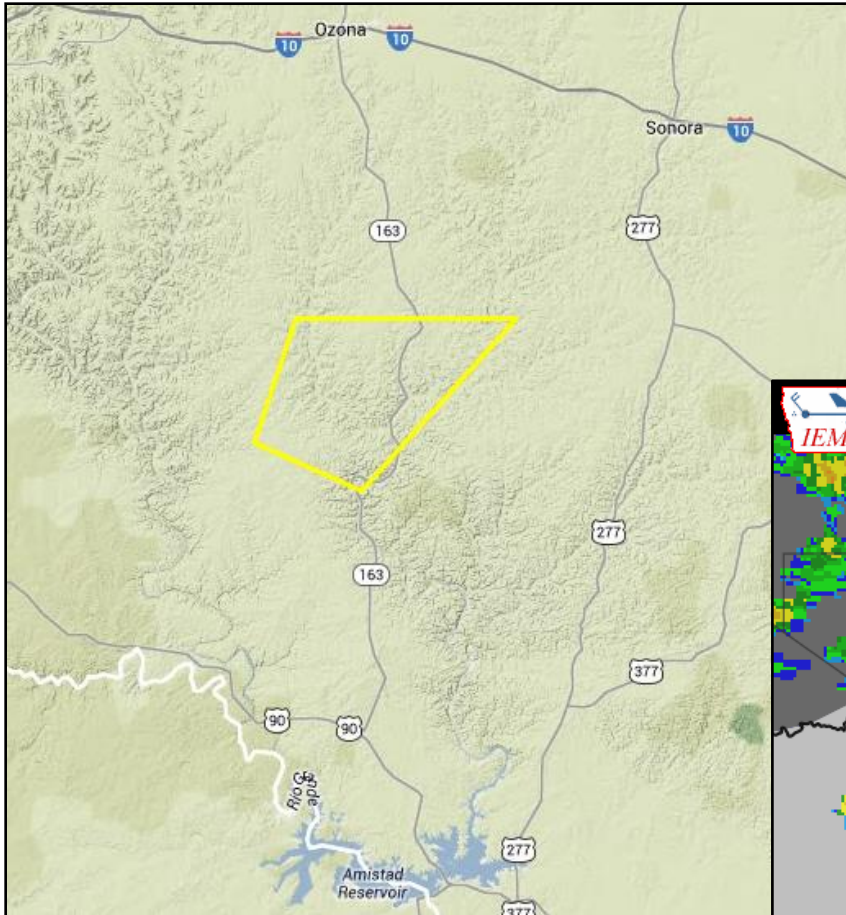
At 2:00 pm

Storms becoming increasingly multicell with a continuing wind and hail threat.

# Severe Thunderstorm Warning #58

Val Verde County

May 7<sup>th</sup> 6:35 pm – May 7<sup>th</sup> 7:00 pm

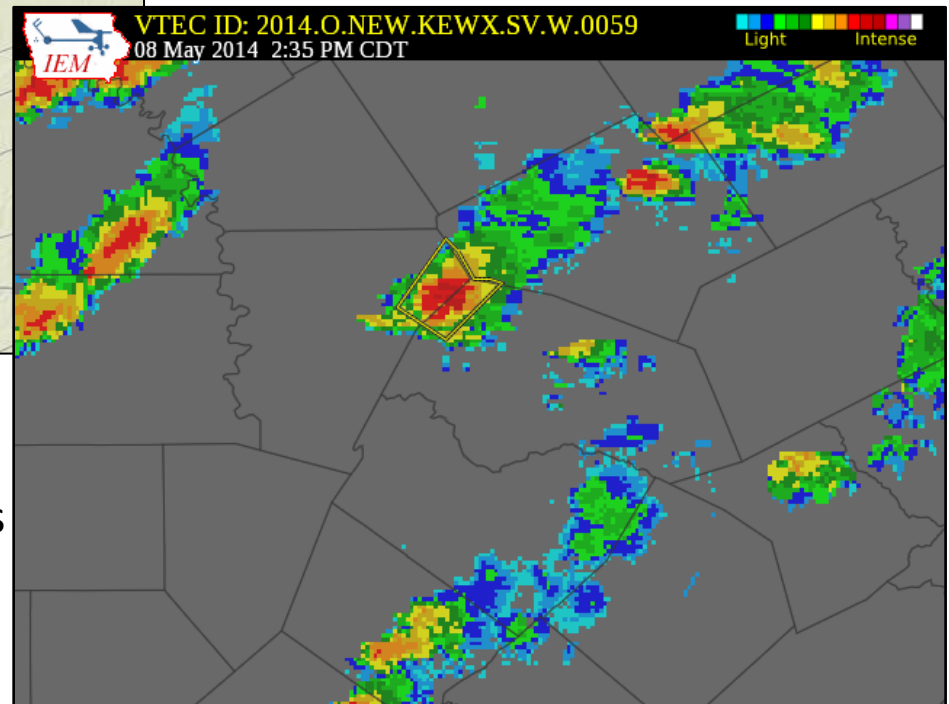
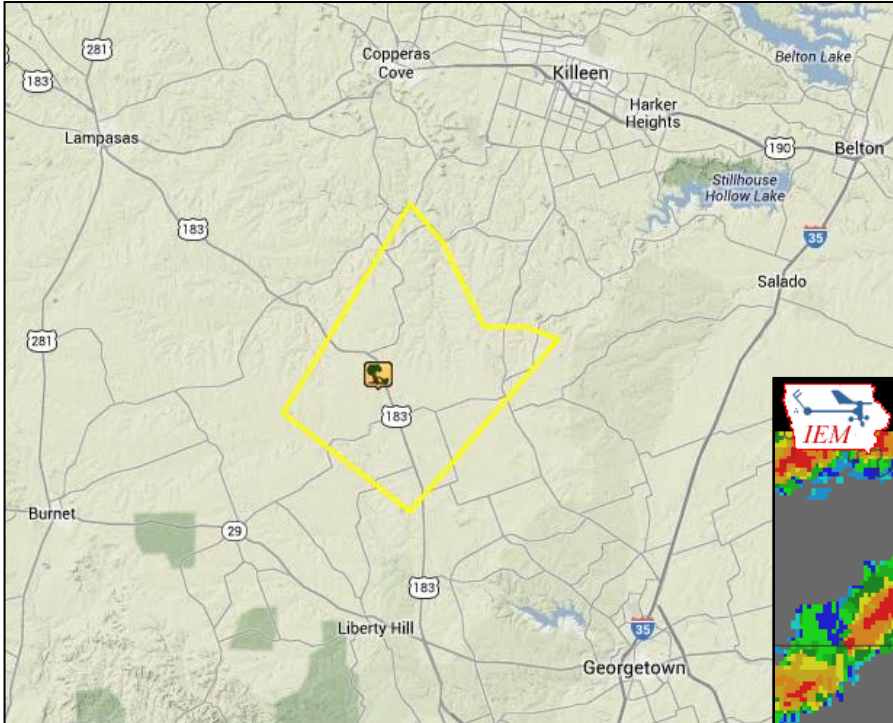


Reports:

# Severe Thunderstorm Warning #59

East Central Burnet and  
Northwestern Williamson Counties

May 8<sup>th</sup> 2:35 pm – May 8<sup>th</sup> 3:00 pm



## Reports:

2:35 pm...Funnel Cloud...Briggs

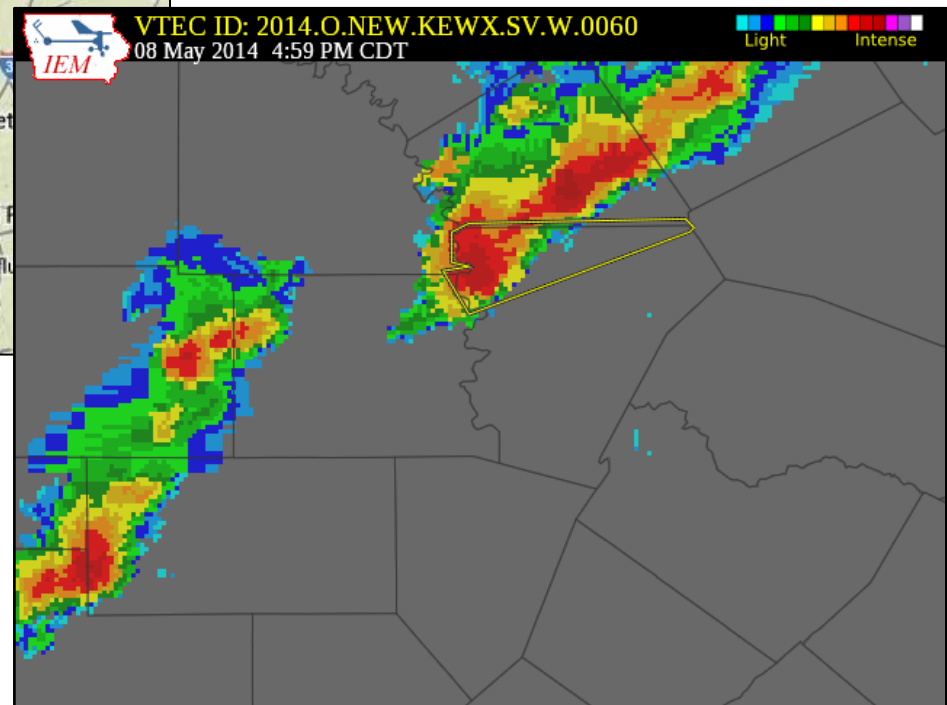
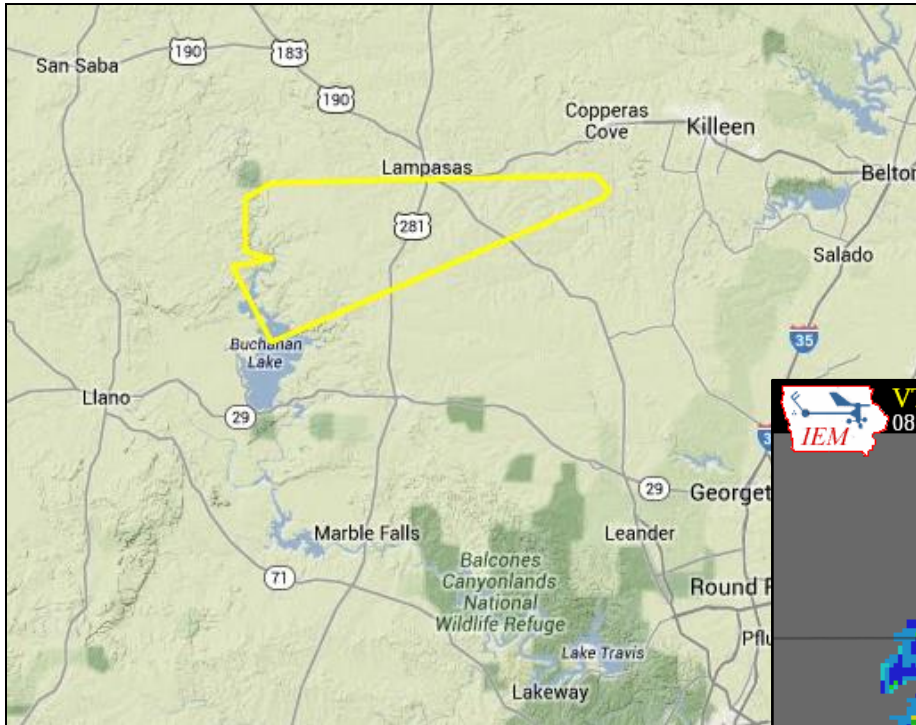
2:40 pm...T-Storm Wind Damage...Briggs



# Severe Thunderstorm Warning #60

Northern Burnet and Northeastern Llano Counties

May 8<sup>th</sup> 4:59 pm – May 8<sup>th</sup> 5:30 pm

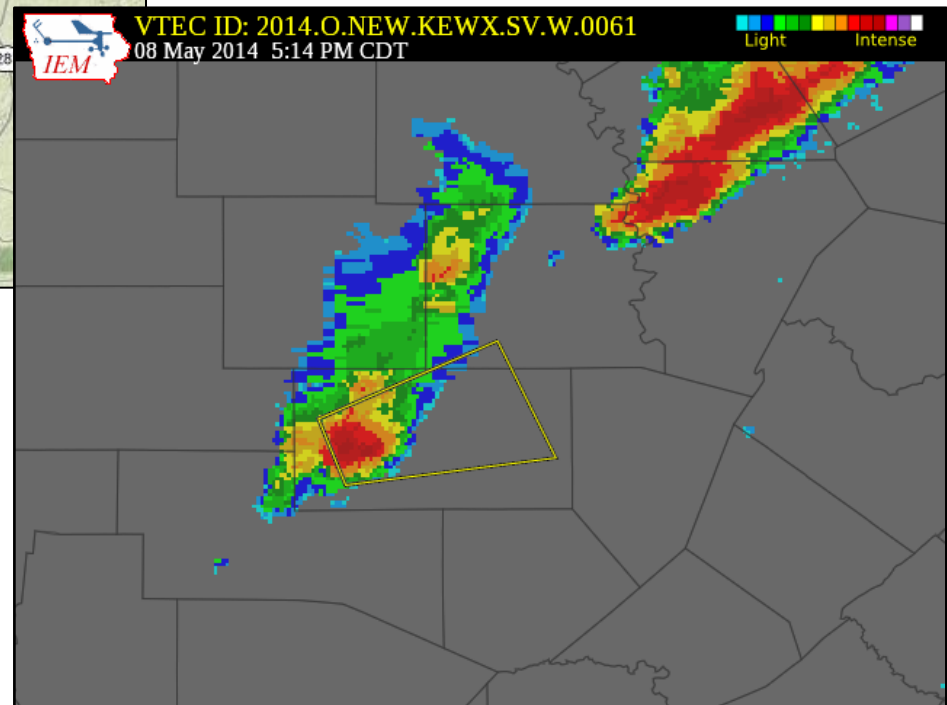


Reports:

# Severe Thunderstorm Warning #61

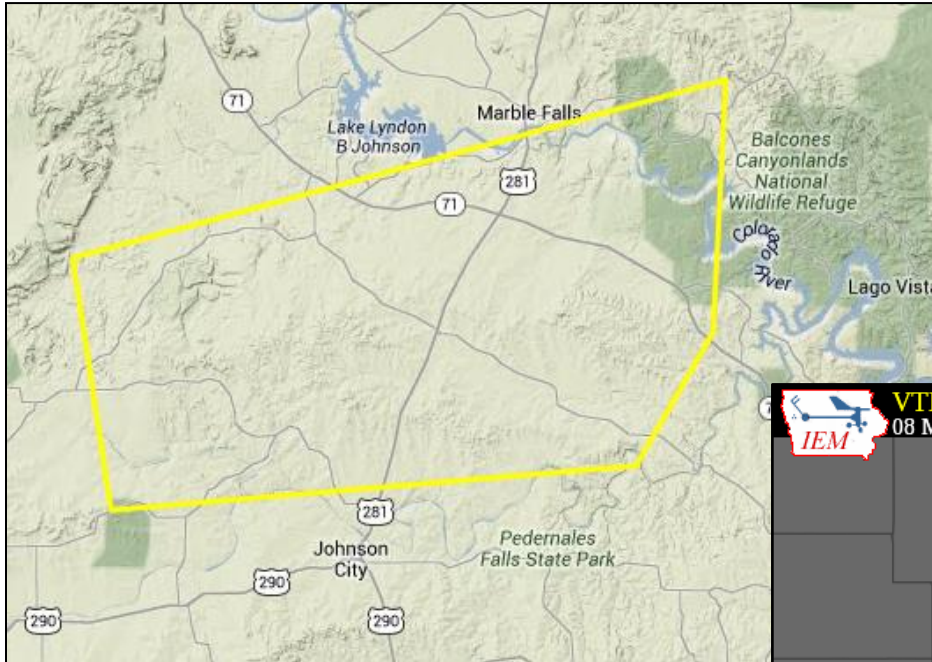
Central Gillespie and Southwestern Llano Counties

May 8<sup>th</sup> 5:14 pm – May 8<sup>th</sup> 6:00 pm



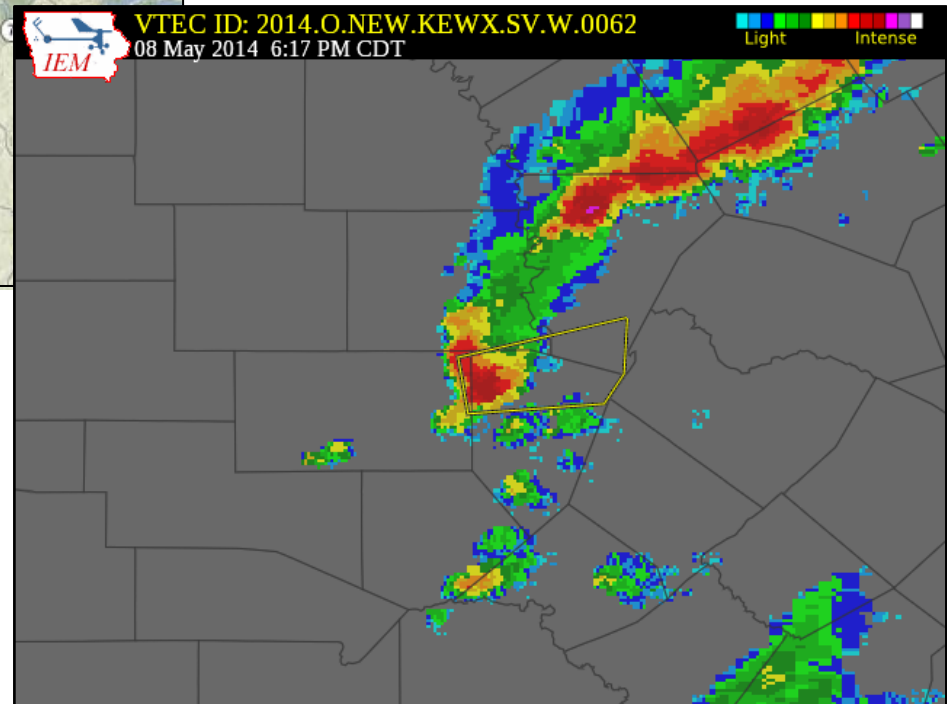
Reports:

# Severe Thunderstorm Warning #62



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

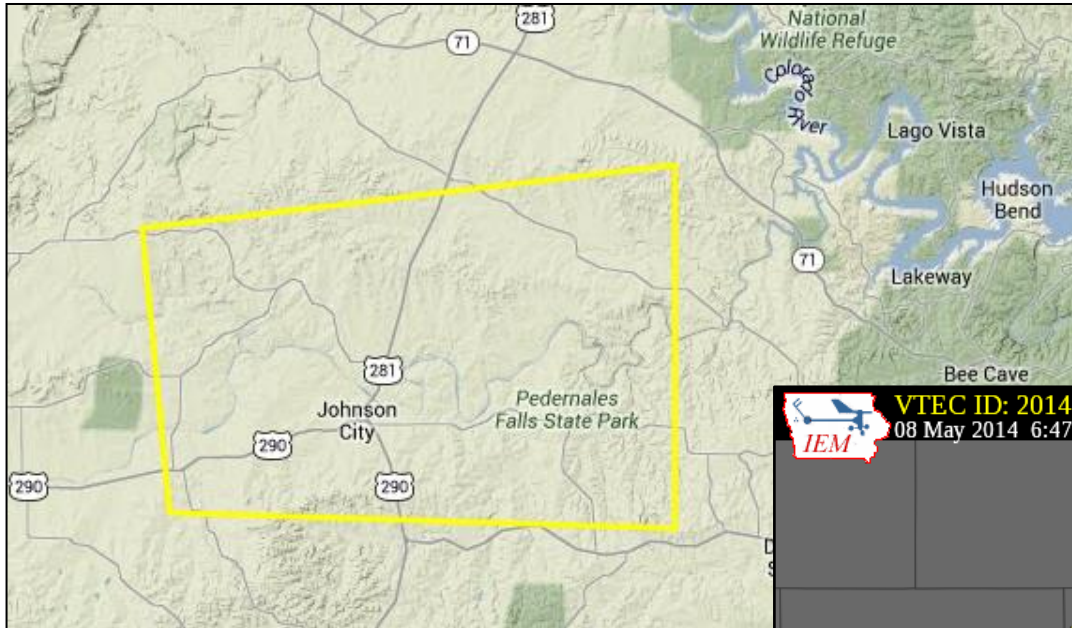
May 8<sup>th</sup> 6:17 pm – May 8<sup>th</sup> 7:00 pm



Reports:

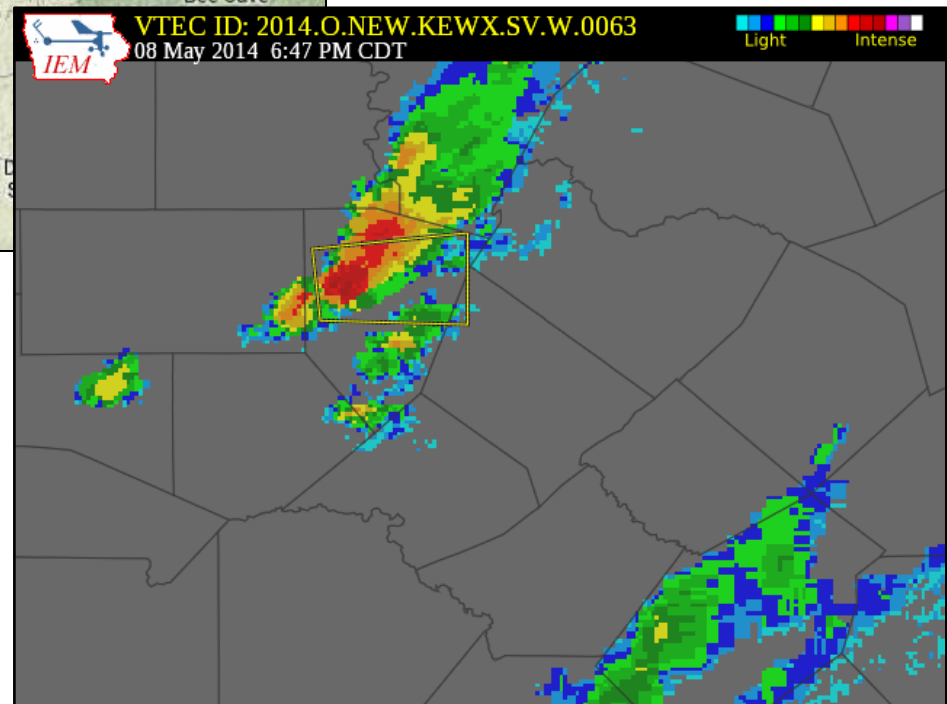


# Severe Thunderstorm Warning #63



Central Blanco and  
Northwestern Hays Counties

May 8<sup>th</sup> 6:47 pm –  
May 8<sup>th</sup> 7:30 pm



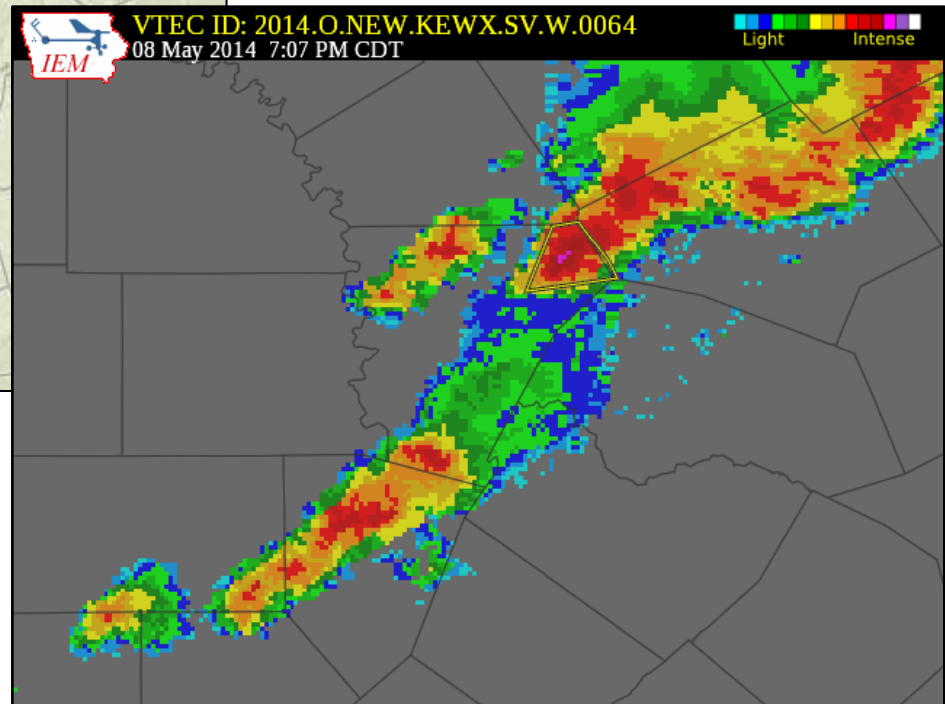
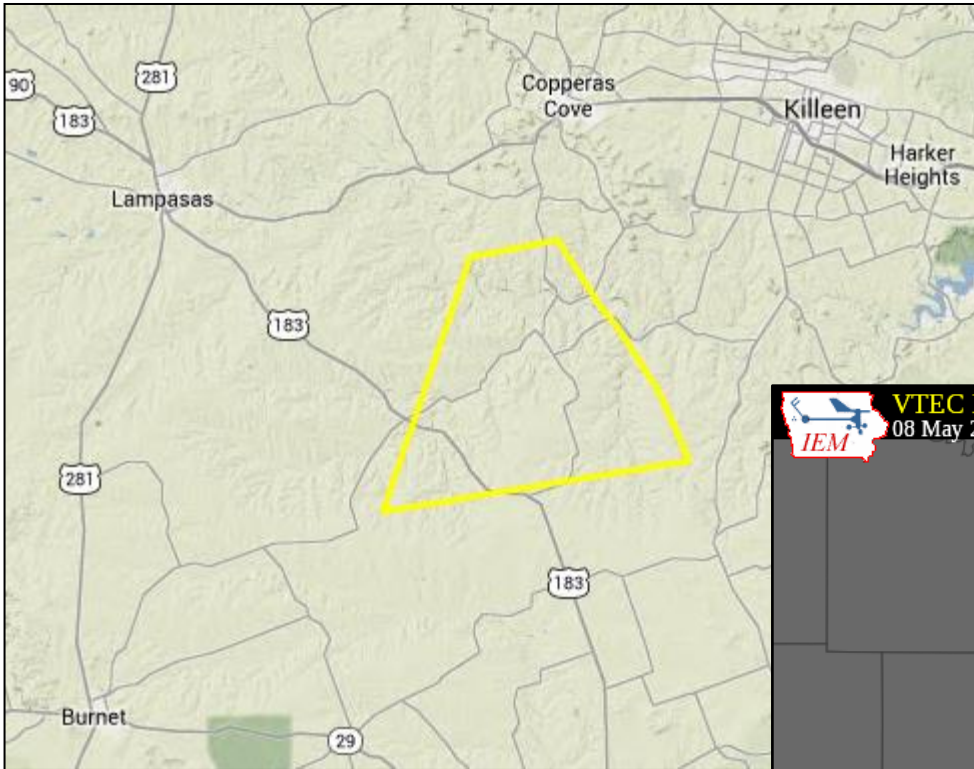
Reports:

# Severe Thunderstorm Warning #64

Northeastern Burnet County

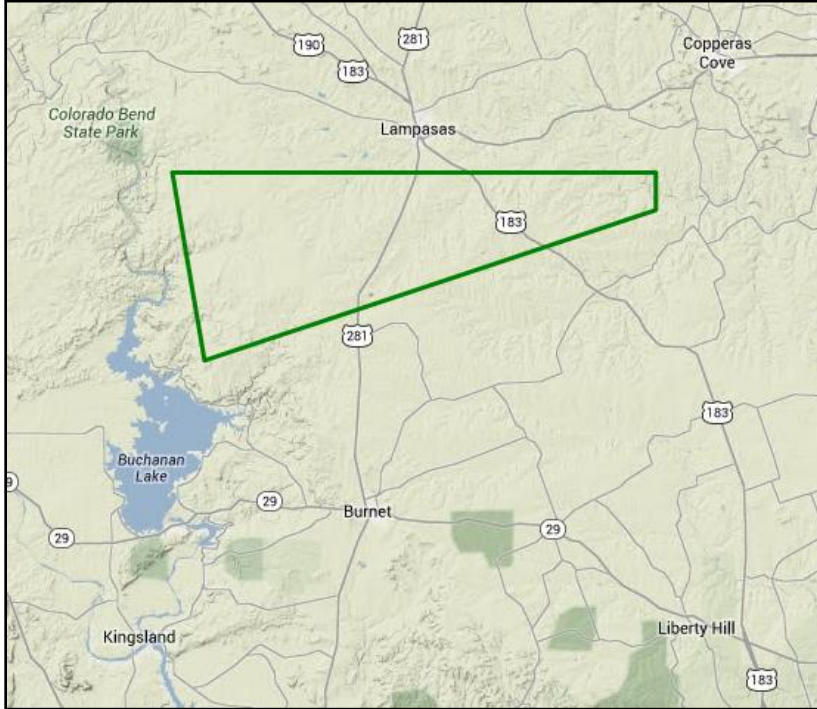
May 8<sup>th</sup> 7:07 pm –

May 8<sup>th</sup> 7:30 pm



Reports:

# Small Stream Flood Advisory #2



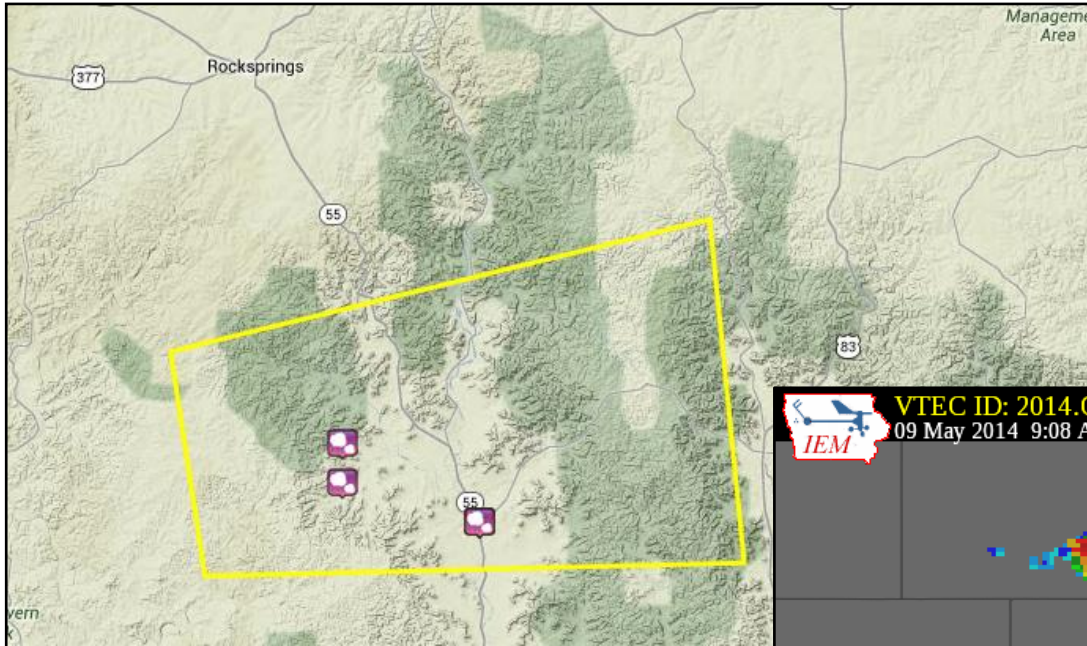
Northwestern Burnet County

May 8<sup>th</sup> 7:32 pm – May 8<sup>th</sup> 9:30 pm

Reports:

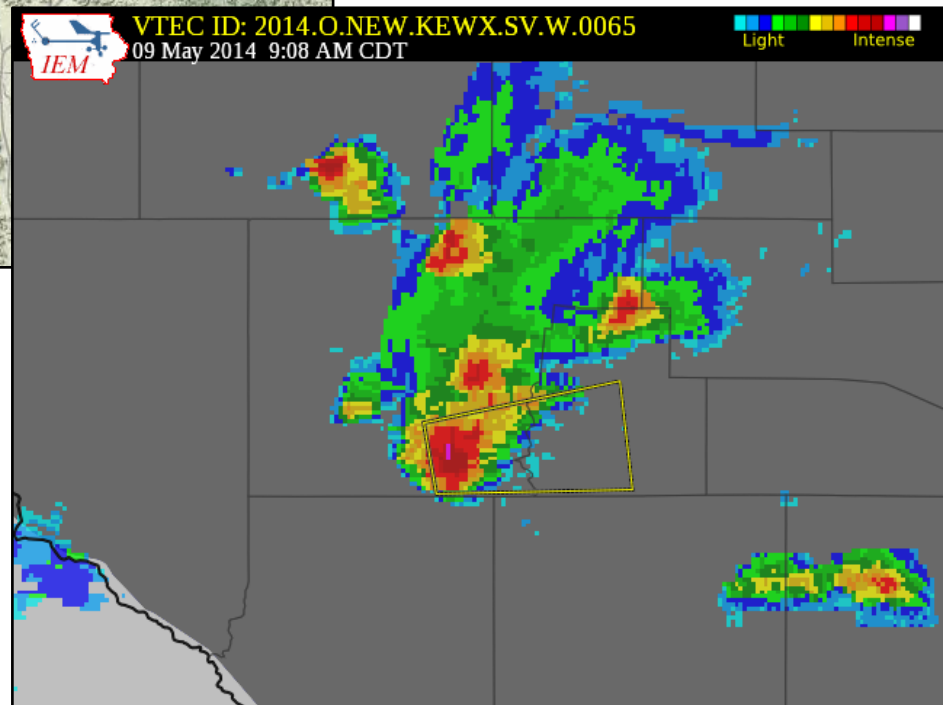


# Severe Thunderstorm Warning #65



South Central Edwards and  
Southwestern Real Counties

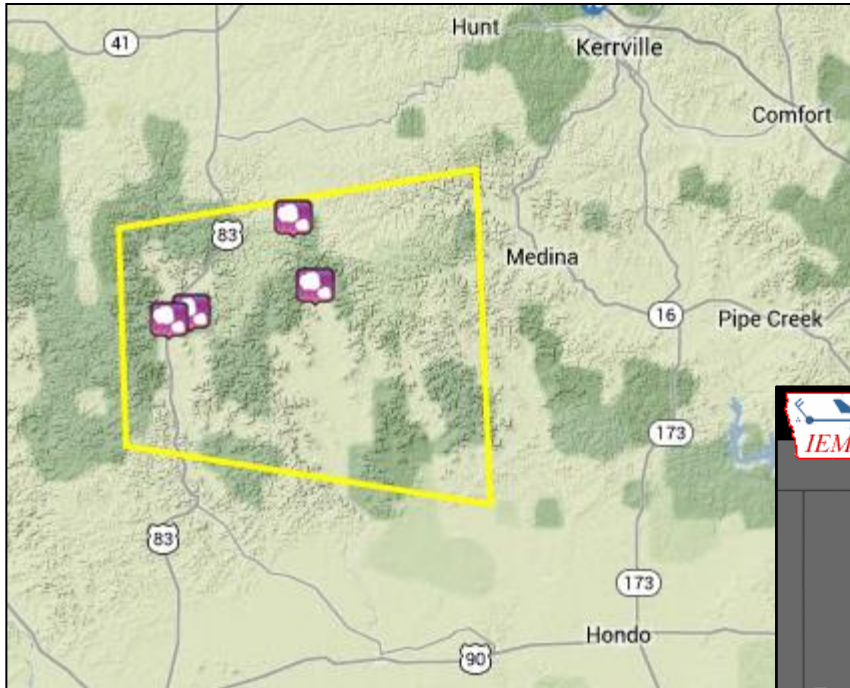
May 9<sup>th</sup> 9:08 am –  
May 9<sup>th</sup> 10:00 am



## Reports:

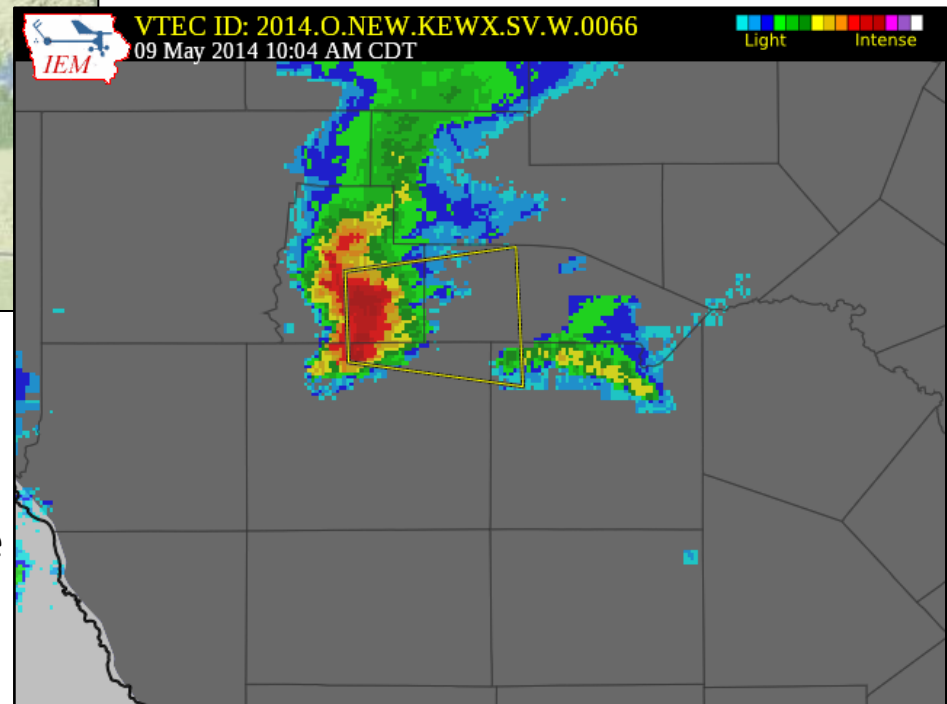
9:15 am...0.25" Hail...6 WNW Barksdale  
9:18 am...1.00" Hail...6 W Barksdale  
9:30 am...60 mph T-Storm Wind...Camp  
Wood  
9:30 am...1.00" Hail...Camp Wood

# Severe Thunderstorm Warning #66



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

May 9<sup>th</sup> 10:04 am –  
May 9<sup>th</sup> 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

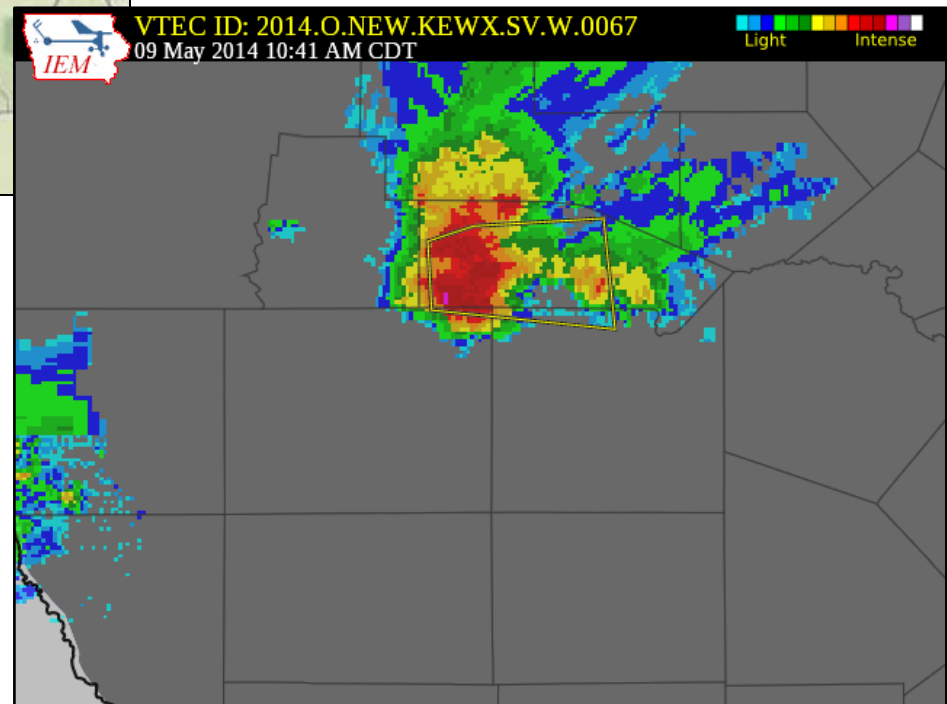
# Severe Thunderstorm Warning #67



Western Bandera, Northwestern  
Medina, and Extreme Northeastern  
Uvalde Counties

May 9<sup>th</sup> 10:41 am –  
May 9<sup>th</sup> 11:15 am

Reports:  
11:06 am...0.25" Hail...Tarpley

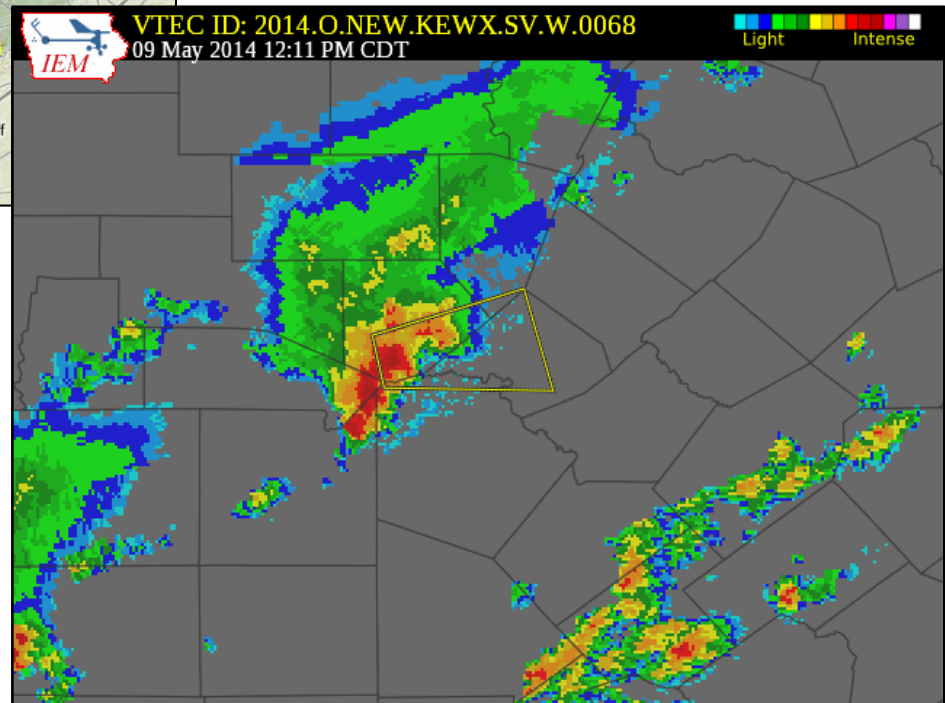
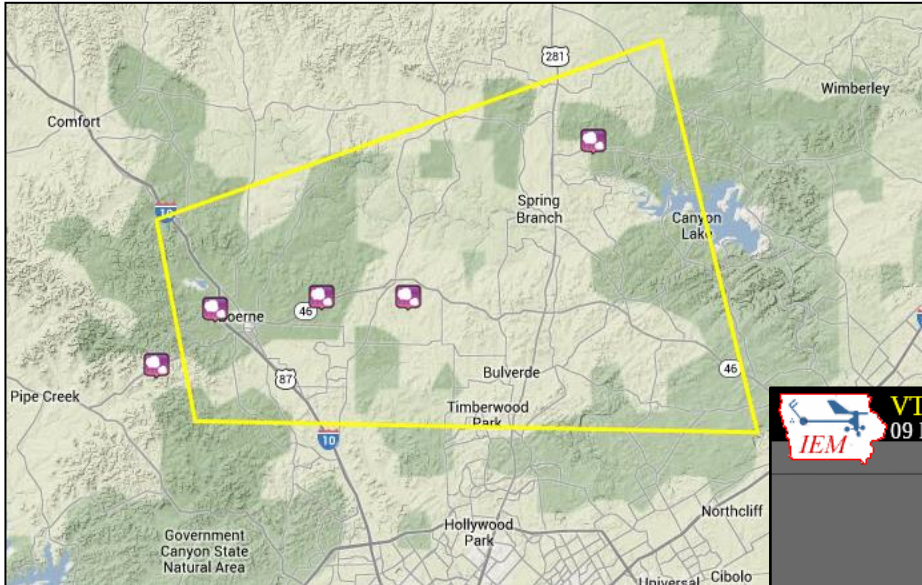




# Severe Thunderstorm Warning #68

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

May 9<sup>th</sup> 12:11 pm –  
May 9<sup>th</sup> 1:00 pm

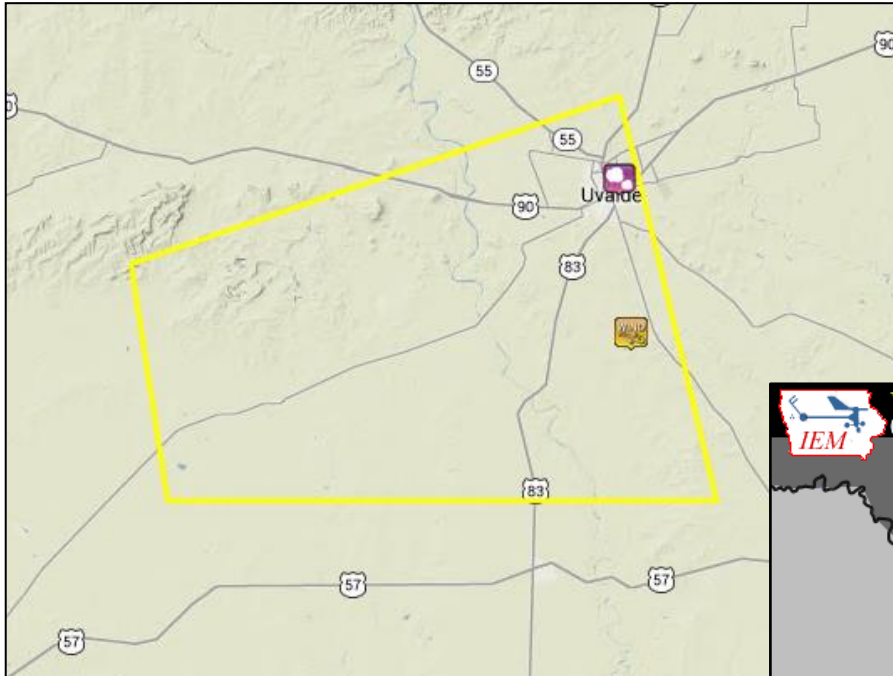


## Reports:

- 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

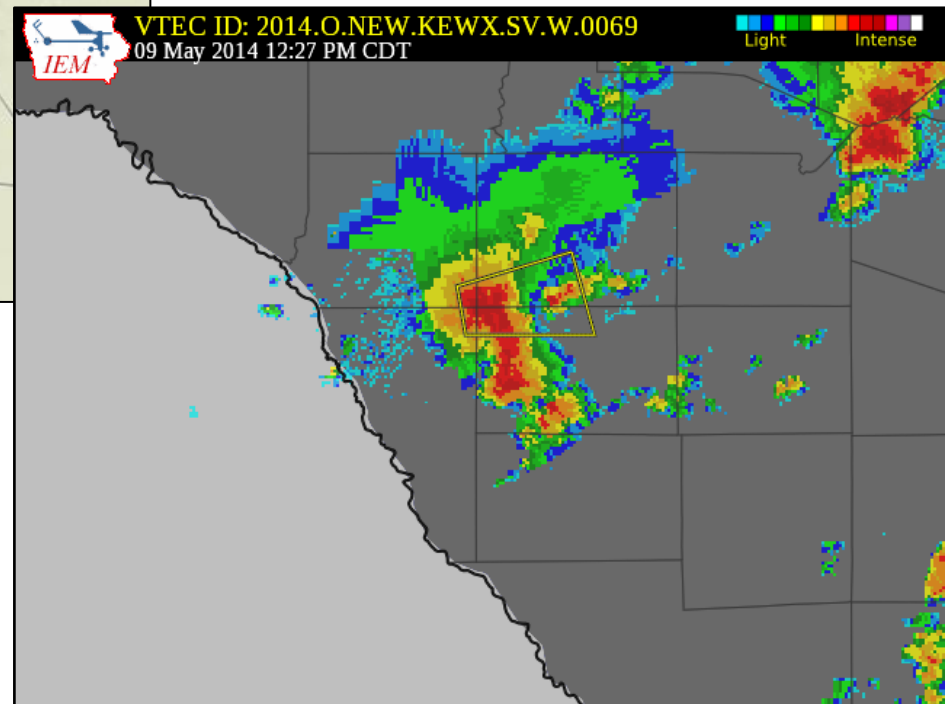
# Severe Thunderstorm Warning #69



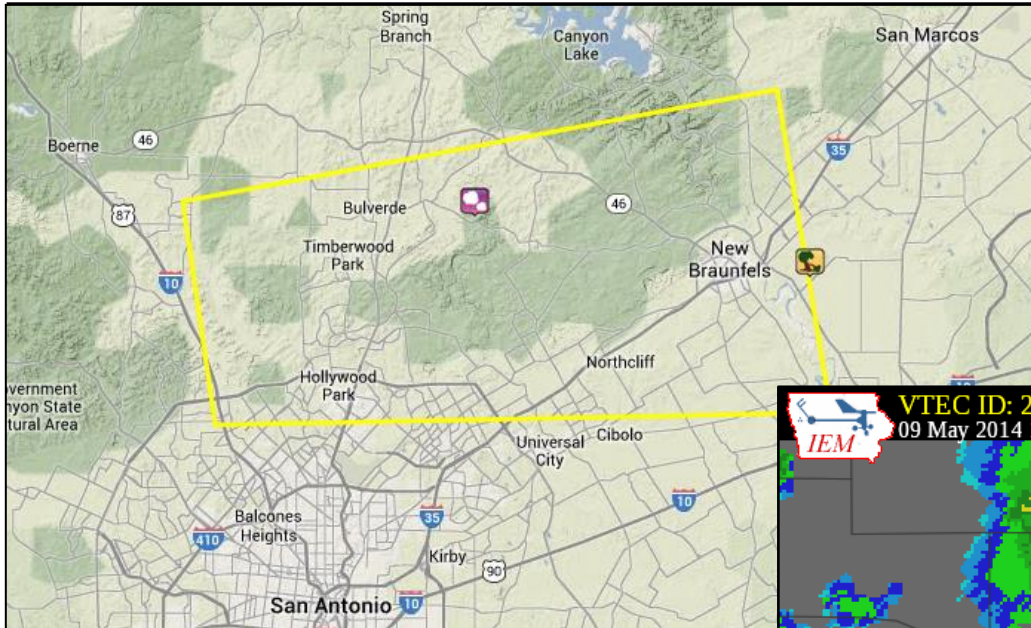
Southeastern Kinney, Northern  
Maverick, Southwestern Uvalde, and  
Northwestern Zavala Counties

May 9<sup>th</sup> 12:27 pm –  
May 9<sup>th</sup> 1:15 pm

Reports:  
12:30 pm...T-Storm Wind Damage... 8 S  
Uvalde  
12:50 pm...0.25" Hail...Uvalde

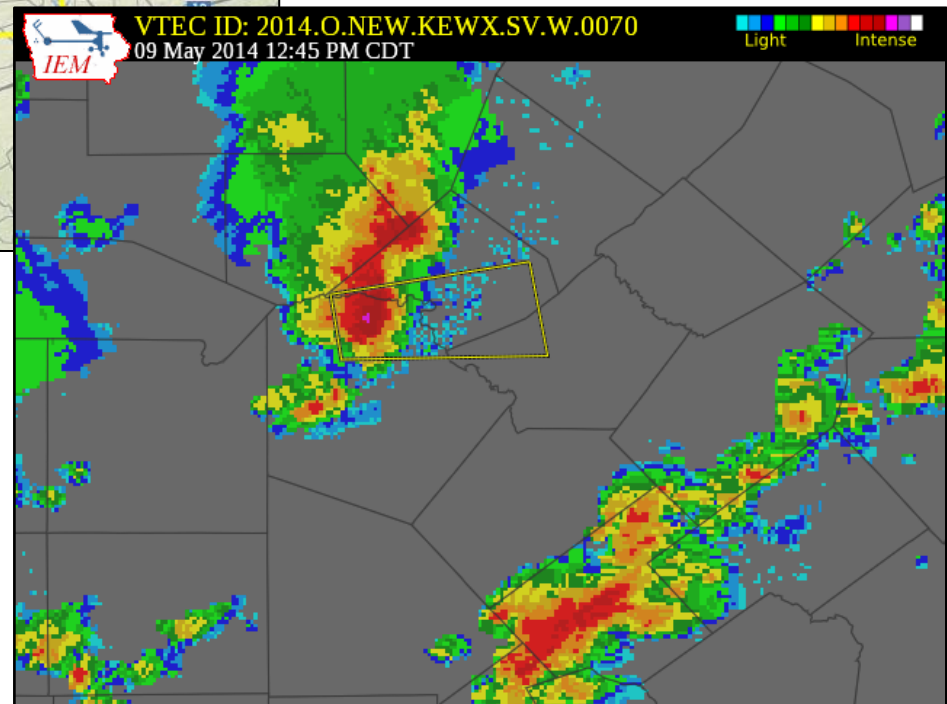


# Severe Thunderstorm Warning #70



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

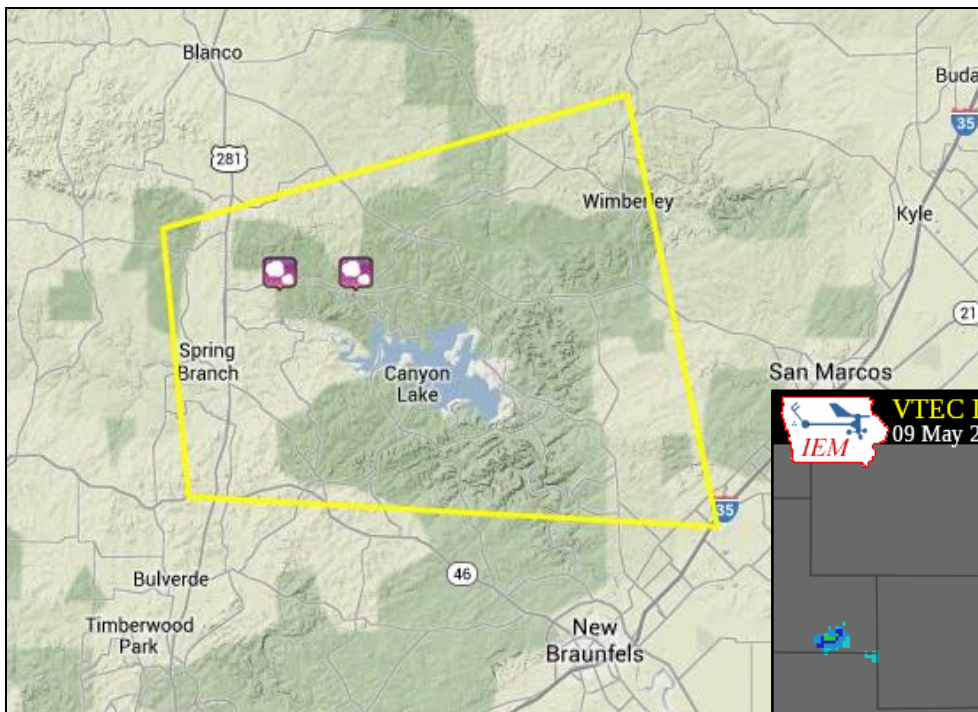
May 9<sup>th</sup> 12:45 pm –  
May 9<sup>th</sup> 1:30 pm



Reports:  
12:55 pm...0.25" Hail...6 ENE Bulverde

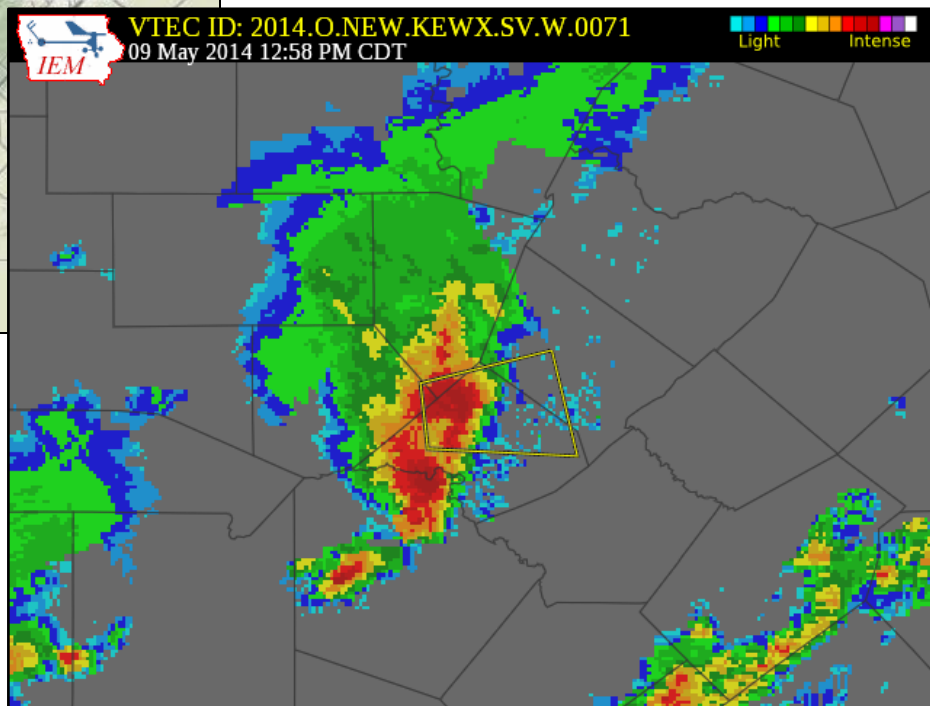


# Severe Thunderstorm Warning #71



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

May 9<sup>th</sup> 12:58 pm – May 9<sup>th</sup> 1:45 pm



## Reports:

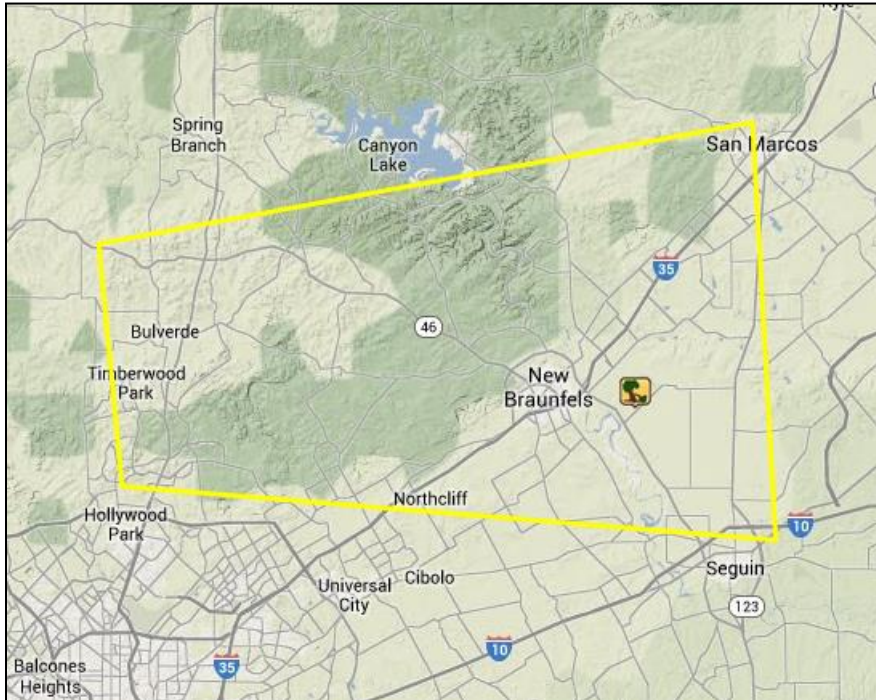
12:59 pm...0.70" Hail...4 SSE Twin  
Sisters\*

1:00 pm...0.50" Hail...8 NE Spring Branch

# Severe Thunderstorm Warning #72

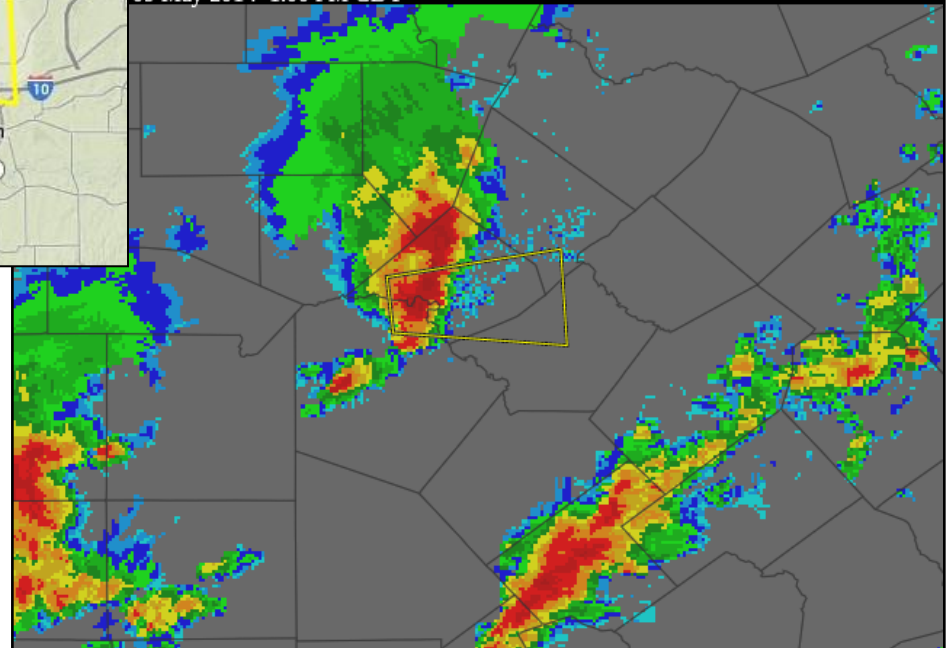
North Central Bexar, Southern Comal,  
Northwestern Guadalupe, and South  
Central Hays Counties

May 9<sup>th</sup> 1:00 pm – May 9<sup>th</sup> 1:45 pm



VTEC ID: 2014.O.NEW.KEWX.SV.W.0072  
09 May 2014 1:00 PM CDT

Light Intense



Reports:

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

# Severe Thunderstorm Warning #73



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

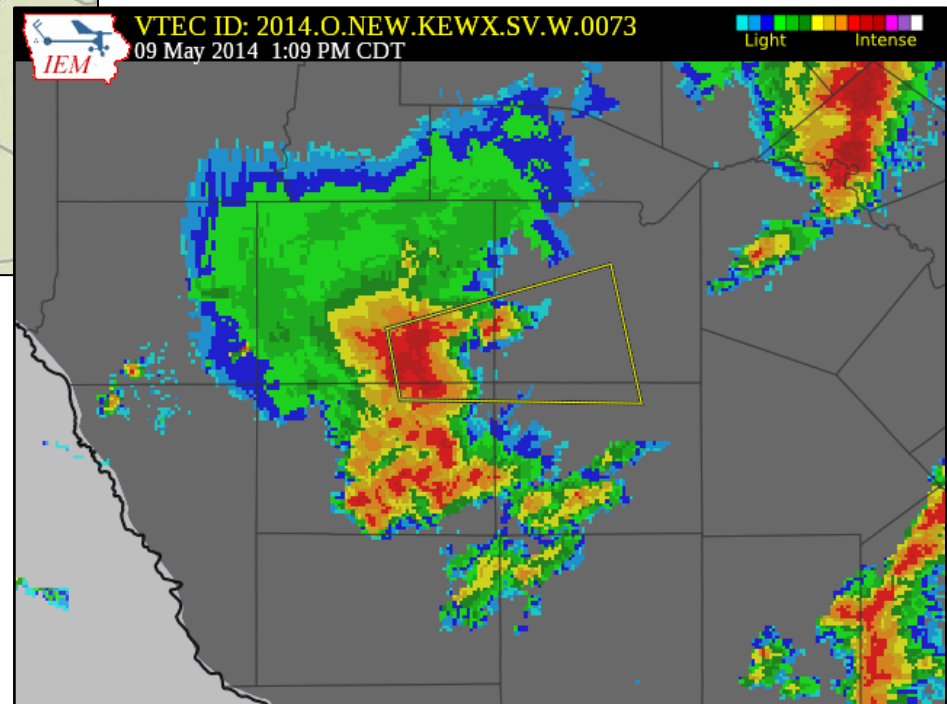
May 9<sup>th</sup> 1:09 pm – May 9<sup>th</sup> 2:00 pm

## 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 9<sup>th</sup> 1:34 pm – May 9<sup>th</sup> 3:30 pm

## Reports:

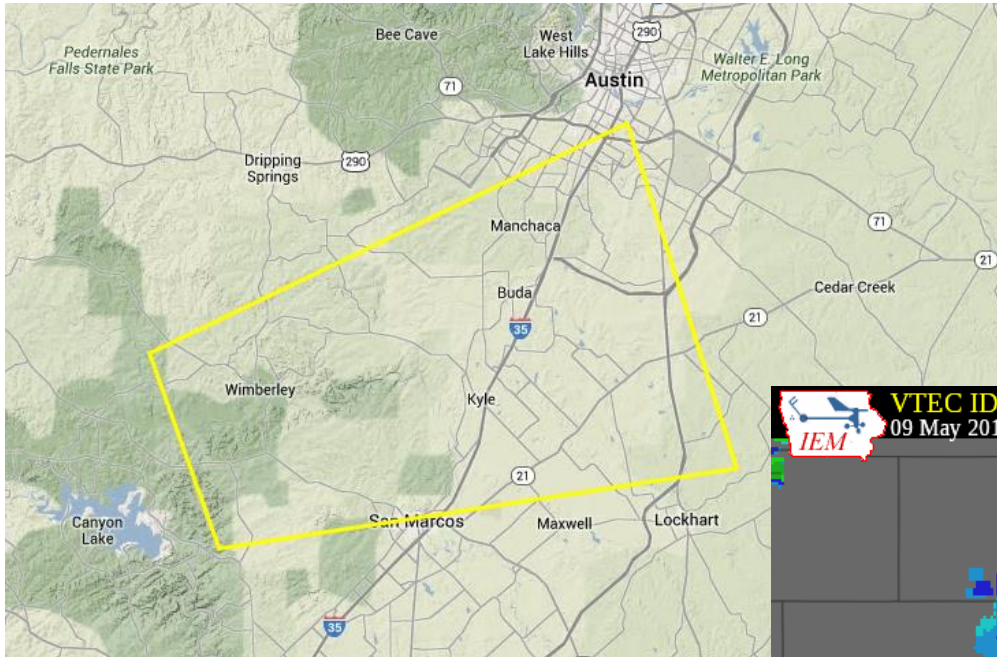
2:30 pm...Flash Flooding...1 SSW Karnes City

- 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.

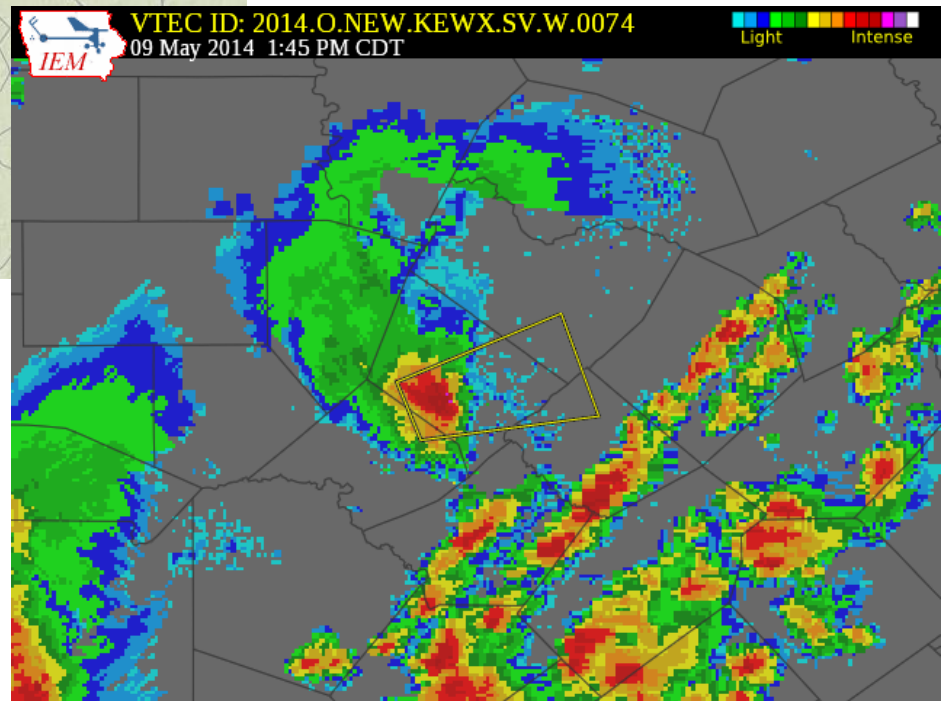
# Severe Thunderstorm Warning #74



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

May 9<sup>th</sup> 1:45 pm – May 9<sup>th</sup> 2:30 pm

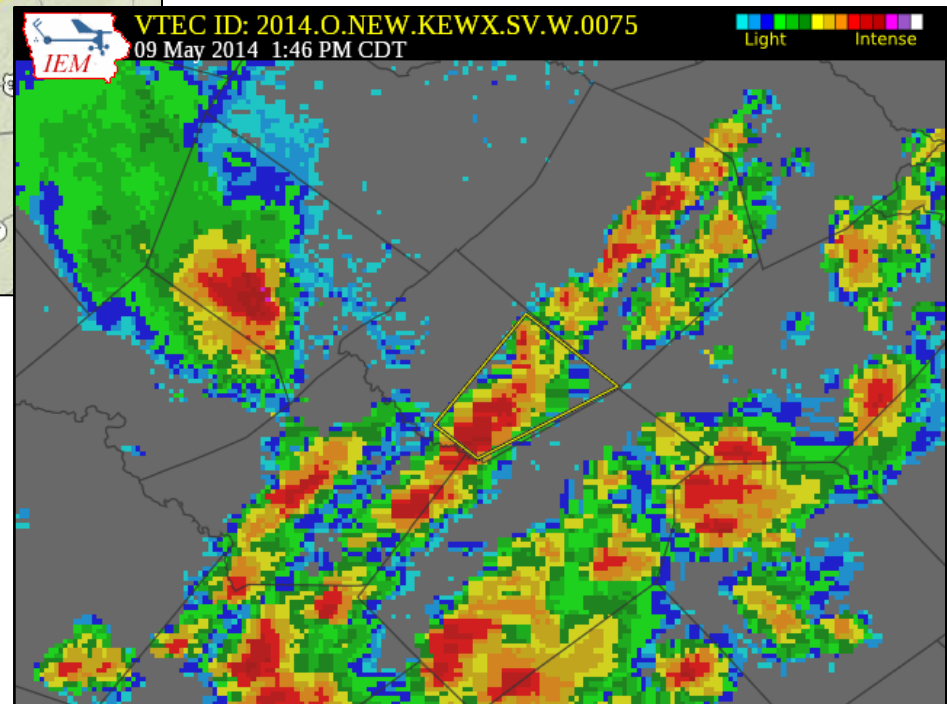
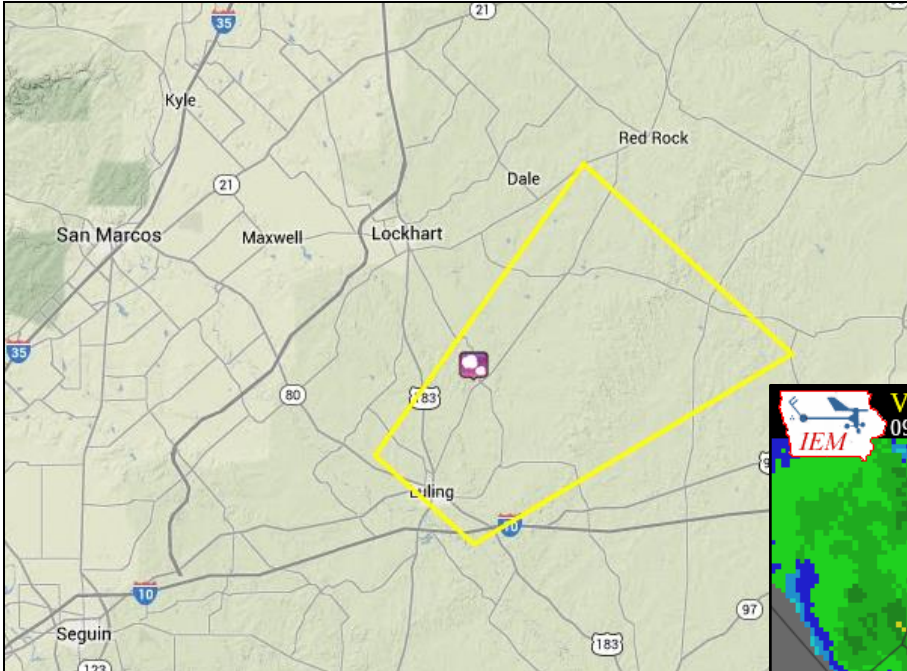
Reports:



# Severe Thunderstorm Warning #75

Eastern Caldwell County

May 9<sup>th</sup> 1:46 pm – May 9<sup>th</sup> 2:30 pm



Reports:

2:15 pm...0.75" Hail...7 NNE Luling

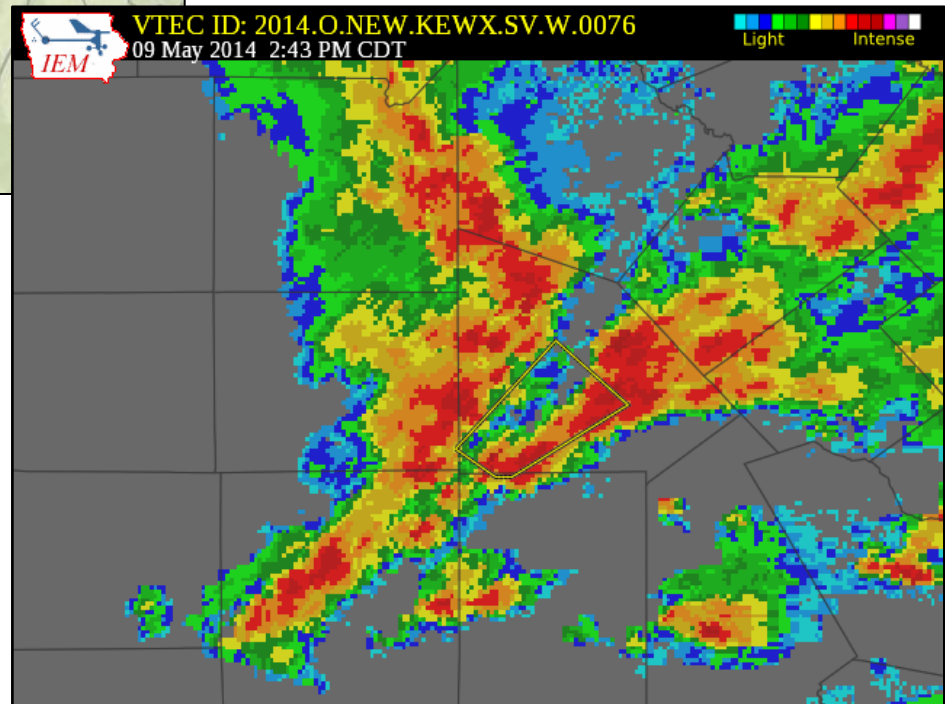


# Severe Thunderstorm Warning #76



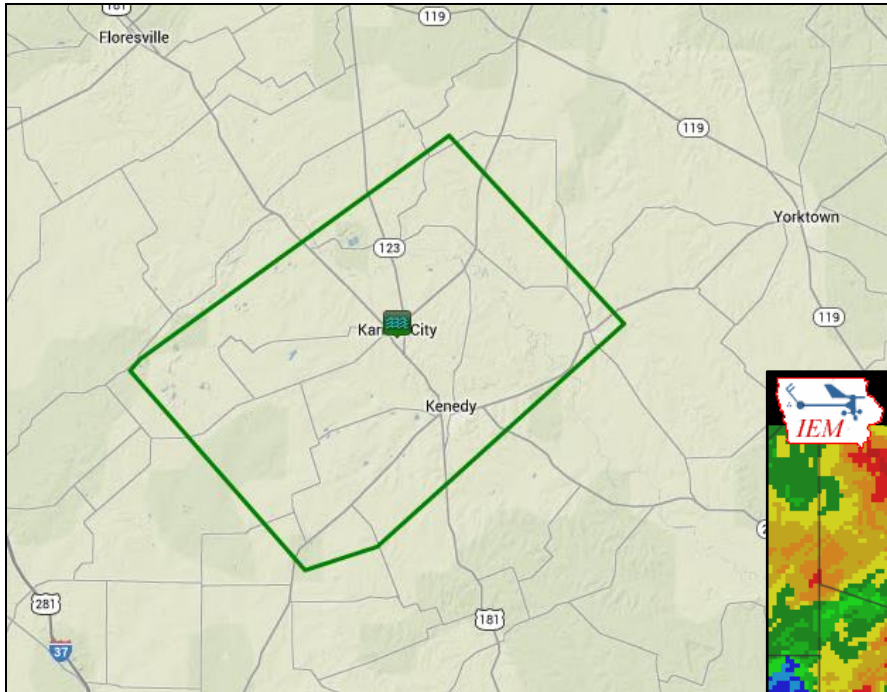
Southwestern Atascosa and Extreme  
Southeastern Frio Counties

May 9<sup>th</sup> 2:43 pm – May 9<sup>th</sup> 3:30 pm



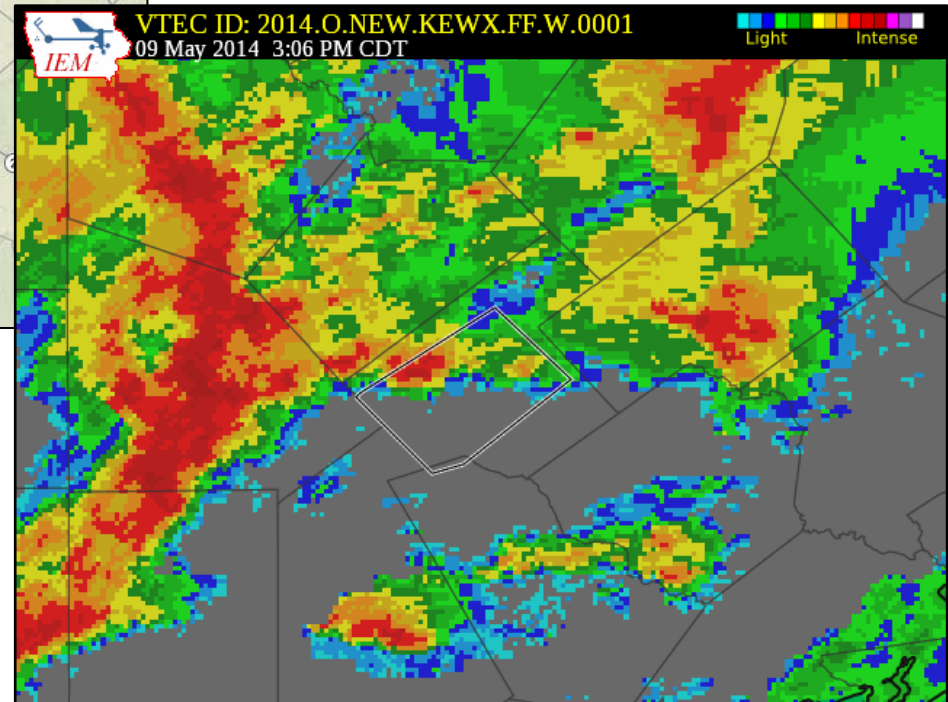
Reports:

# Flash Flood Warning #1



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

May 9<sup>th</sup> 3:06 pm – May 9<sup>th</sup> 7:00 pm



## Reports:

3:15 pm...Flash Flooding...Karnes City\*

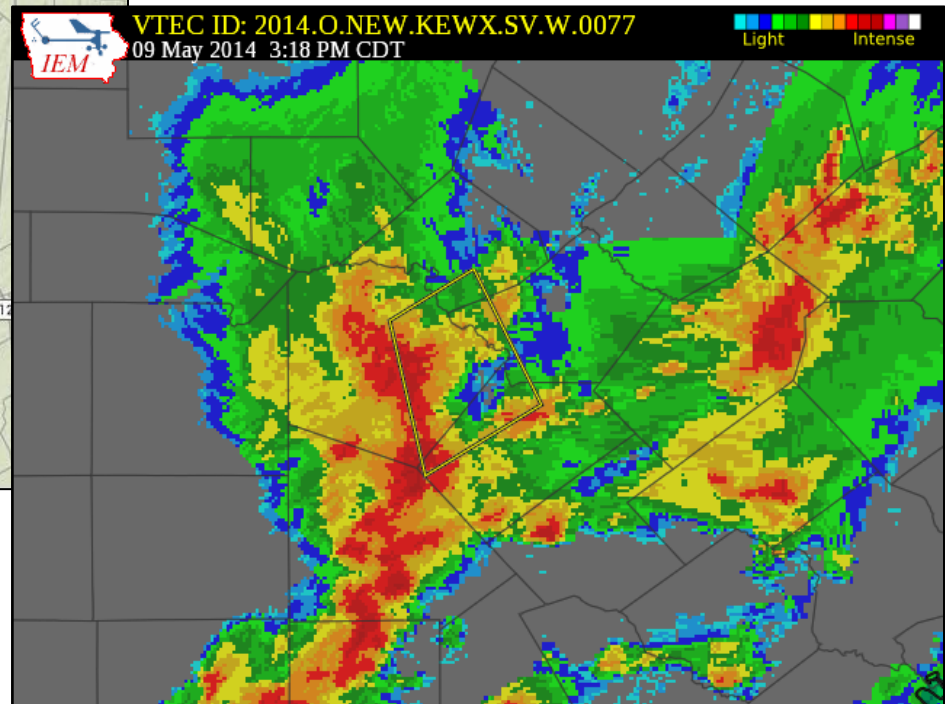
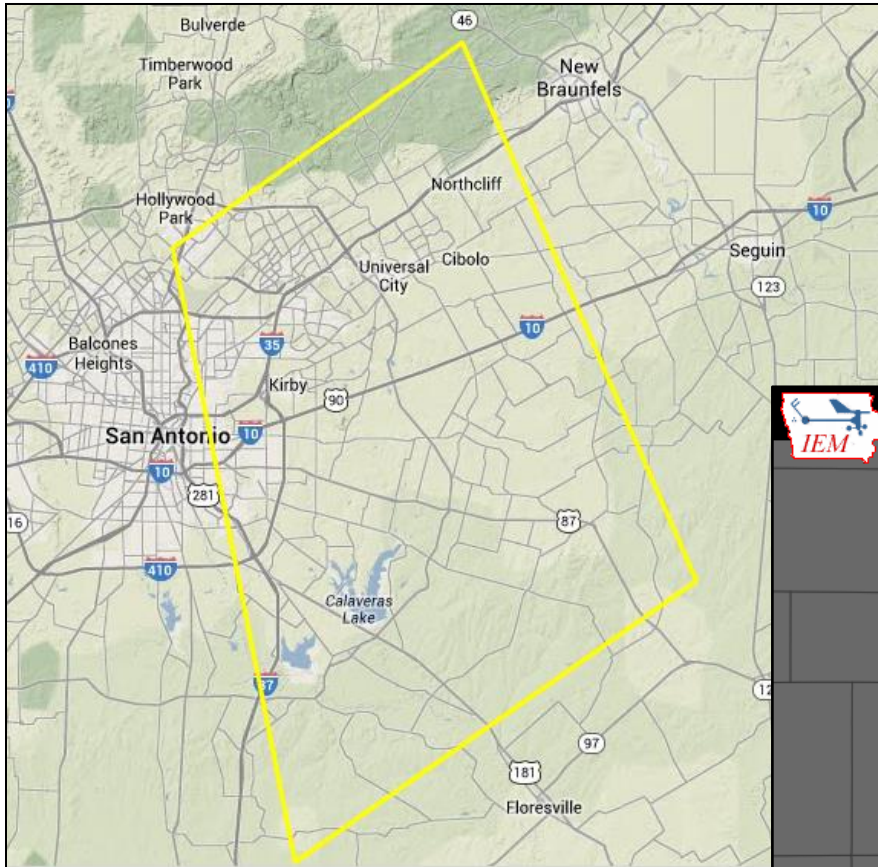
- All of CR1353 south out of Karnes City is closed due to water over the road.

\*Indicates report took place in multiple warnings/advisories

# Severe Thunderstorm Warning #77

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

May 9<sup>th</sup> 3:18 pm – May 9<sup>th</sup> 4:00 pm



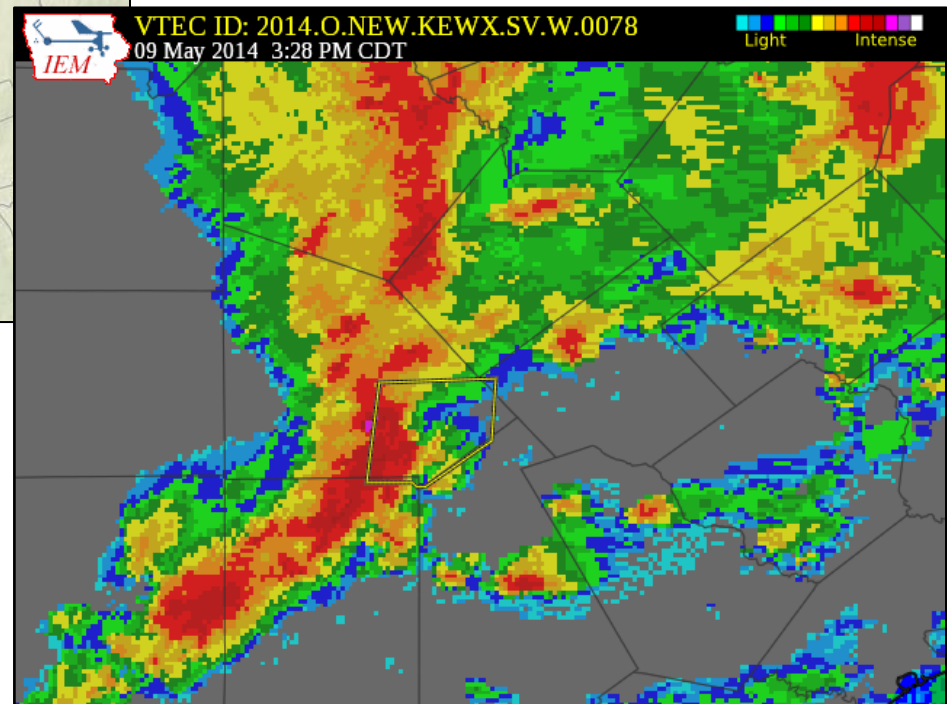
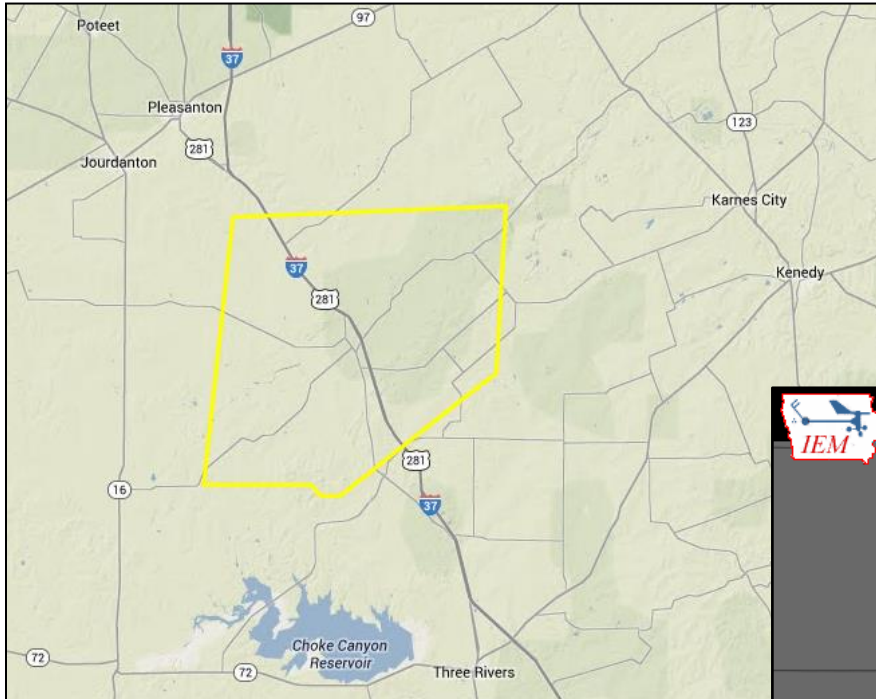
Reports:



# Severe Thunderstorm Warning #78

Southeastern Atascosa and Extreme West Central Karnes Counties

May 9<sup>th</sup> 3:28 pm – May 9<sup>th</sup> 4:15 pm

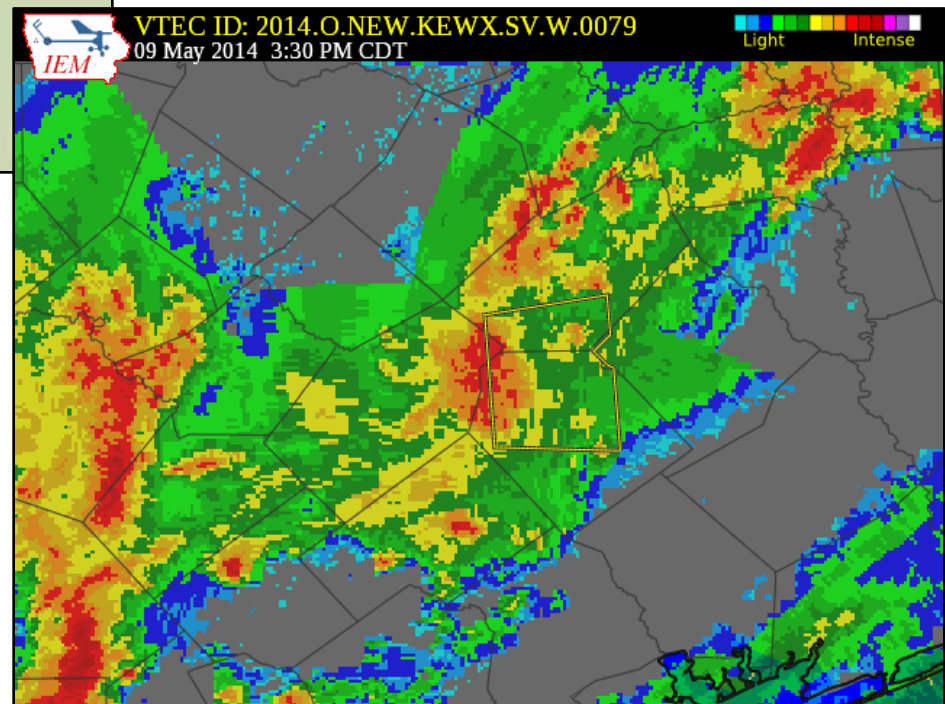


Reports:

# Severe Thunderstorm Warning #79

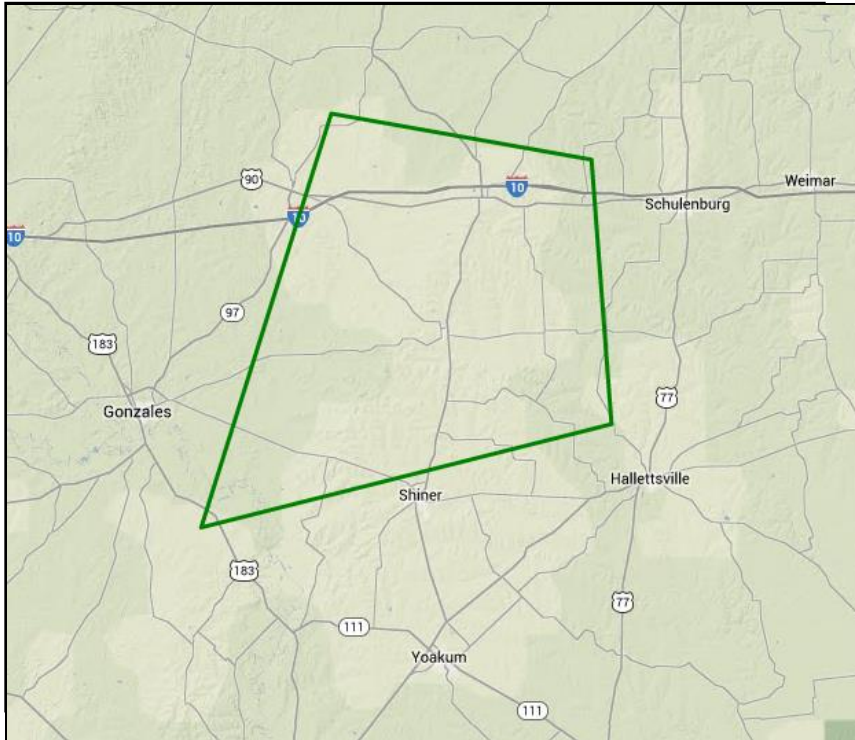
South Central Fayette, Extreme  
Northeastern Gonzales, and Northern  
Lavaca Counties

May 9<sup>th</sup> 3:30 pm – May 9<sup>th</sup> 4:30 am



Reports:

# Small Stream Flood Advisory #4



Northeastern Gonzales, Northwestern Lavaca, and Southwestern Fayette County

May 9<sup>th</sup> 3:54 pm – May 9<sup>th</sup> 6:00 pm

Reports:



# All Hail Reports / Pictures

..TIME... ..EVENT... ..CITY LOCATION... ..LAT.LON...  
 ..DATE... ..MAG.... ..COUNTY LOCATION..ST.. ..SOURCE....  
 ..REMARKS..

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

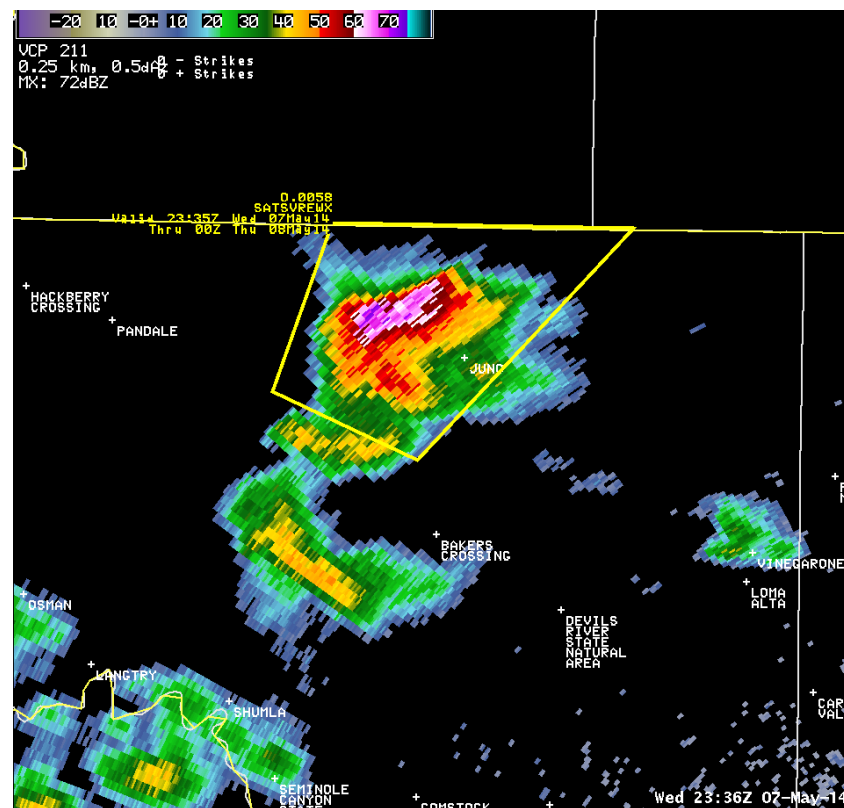
0240 PM TSTM WND DMG BRIGGS 30.87N 97.92W  
 05/08/2014 BURNET TX LAW ENFORCEMENT

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 9<sup>th</sup> on the north side of San Antonio (Photo Credit: Gary W. via Facebook)

# All Hail Reports / Pictures

1035 AM HAIL 2 NNW VANDERPOOL 29.76N 99.56W  
05/09/2014 E1.00 INCH BANDERA TX PUBLIC

PUTTING VEHICLES UNDER CARPORTS TO PROTECT FROM  
LARGE HAIL

1106 AM HAIL TARPLEY 29.63N 99.28W  
05/09/2014 E0.25 INCH BANDERA TX CO-OP OBSERVER

1217 PM HAIL 1 W BOERNE 29.80N 98.76W  
05/09/2014 E0.50 INCH KENDALL TX TRAINED SPOTTER

1219 PM HAIL 4 W BERGHEIM 29.81N 98.65W  
05/09/2014 E1.00 INCH KENDALL TX PUBLIC

1230 PM HAIL 1 NNW LEON SPRINGS 29.68N 98.64W  
05/09/2014 E0.25 INCH BEXAR TX TRAINED SPOTTER

ALSO...HEAVY RAIN AND WIND GUSTS 25 TO 30 MPH

1230 PM HAIL 6 SW BOERNE 29.75N 98.82W  
05/09/2014 E0.50 INCH KENDALL TX COCORAHS

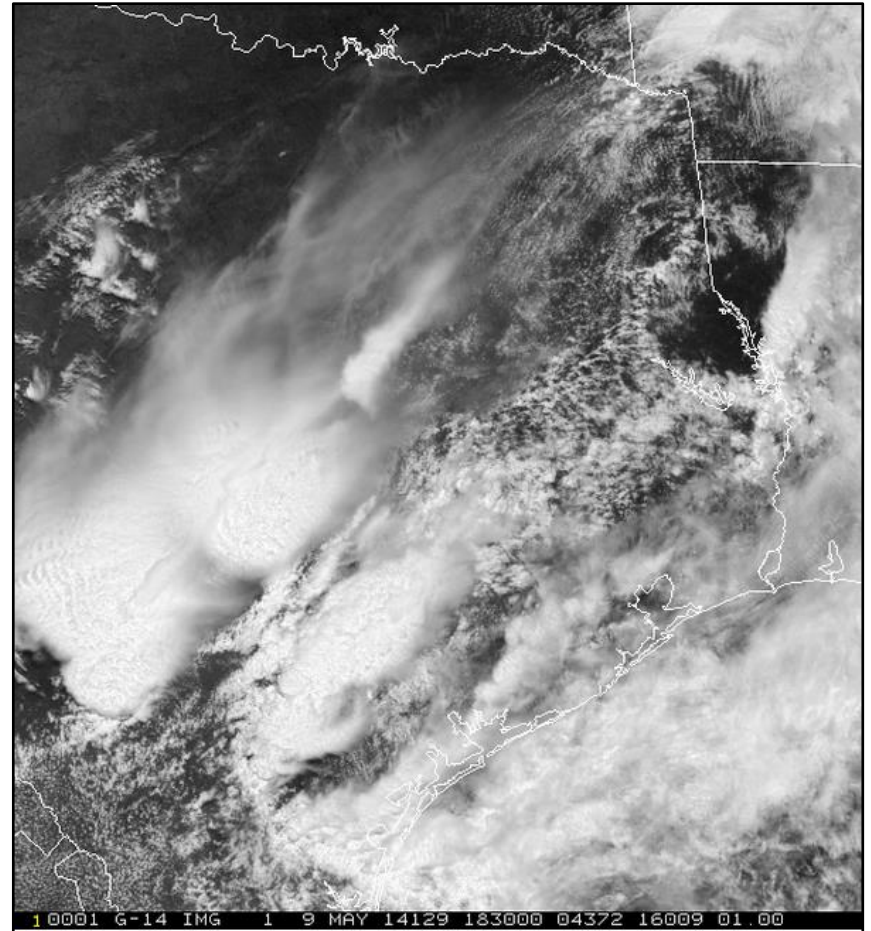
ALSO VERY HEAVY RAIN WITH WIND GUSTS TO 35 MPH

1230 PM HAIL 1 S LEON SPRINGS 29.65N 98.63W  
05/09/2014 E1.50 INCH BEXAR TX LAW ENFORCEMENT

ALSO...WIND GUSTS TO E55 MPH

1230 PM HAIL 1 ESE BERGHEIM 29.81N 98.56W  
05/09/2014 E0.50 INCH COMAL TX COCORAHS

AVERAGE HAIL SIZE REPORTED AS 0.375



Satellite Image from 1:30 pm on May 9th



# All Hail Reports / Pictures

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

0135 PM HAIL SABINAL 29.32N 99.47W  
05/09/2014 E0.25 INCH UVALDE TX PUBLIC

0215 PM HAIL 7 NNE LULING 29.78N 97.61W  
05/09/2014 E0.75 INCH CALDWELL TX PUBLIC

0230 PM FLASH FLOOD 1 SSW KARNES CITY 28.88N 97.91W  
05/09/2014 KARNES TX LAW ENFORCEMENT

FM 99 AT US 181 AND FM 792 AT TX 80 BOTH CLOSED DUE TO FLOODING.

0315 PM FLASH FLOOD KARNES CITY 28.89N 97.90W  
05/09/2014 KARNES TX LAW ENFORCEMENT

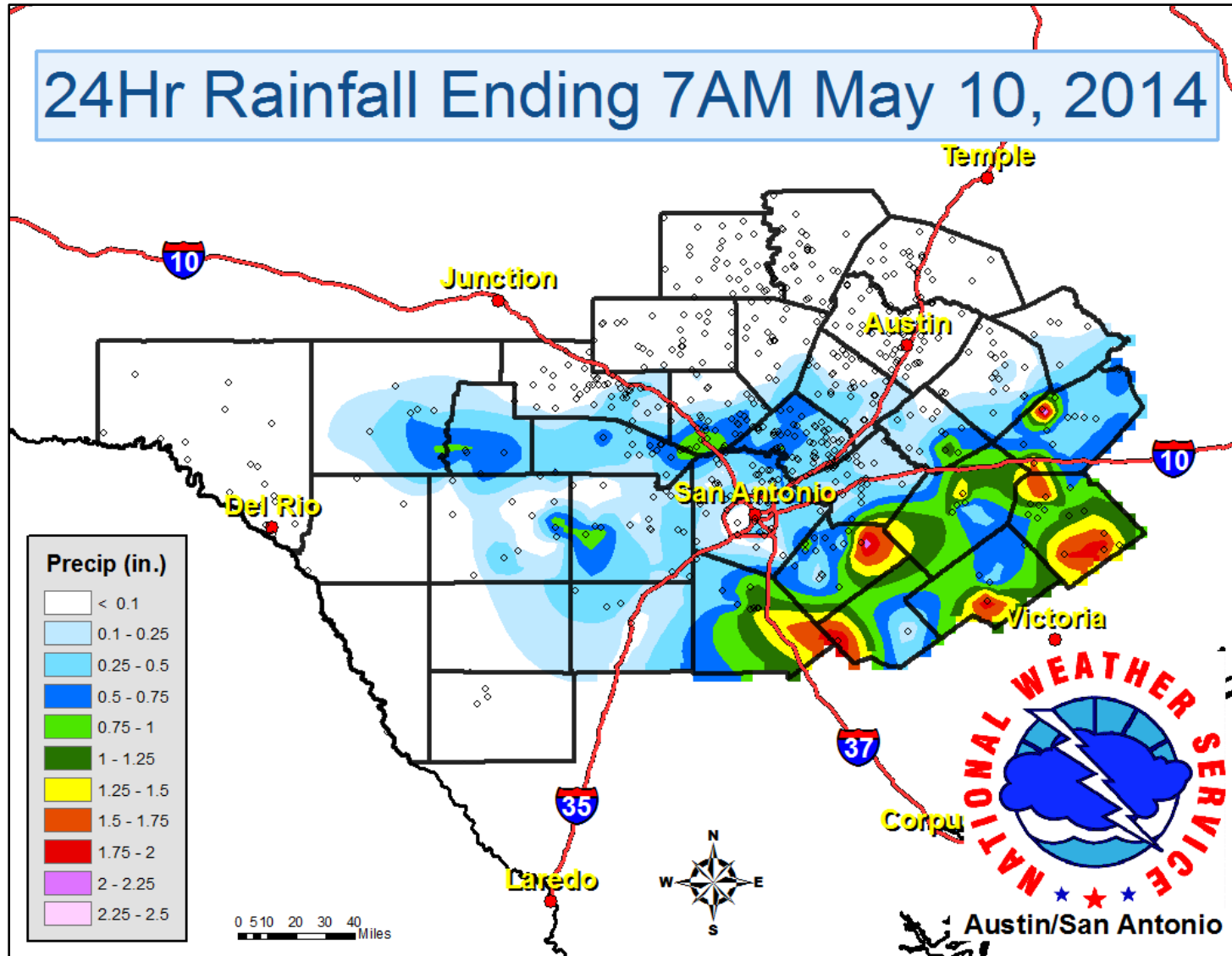
ALL OF CR1353 SOUTH OUT OF KARNES CITY IS CLOSED DUE TO WATER OVER ROAD



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





# Social Media



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.



Austin/San Antonio, TX  
Weather Forecast Office  
[weather.gov/ewx](http://weather.gov/ewx)



US National Weather  
Service Austin-San  
Antonio, Texas



@NWSSanAntonio

# HAM Radio Information



HAM Radio operators! You  
can contact us at

**WX5EWX**

to submit reports during  
severe weather events.