June 12th Severe Weather

Austin - San Antonio Weather Forecast Office

Updated 2:22pm 6/15/14
A weak cold front stalled to the north of the Hill Country during the late afternoon hours and provided a surface focus for repeated thunderstorm development. At the same time, an upper level low pressure system allowed upper support for vertical motions which allowed storms to persist enhancing the severe threat. The two images to the left show the position of the cold front at 7 PM and the upper level trough axis. The atmosphere was very unstable which led to hail and straight line winds. The lower levels of the atmosphere had strong winds and this supported the chances for a few tornadoes from the stronger thunderstorms.

Storms initially became severe around 5 PM and persisted until midnight area across South Central Texas. The activity eventually spread south of the area as the dominant storm motions took over.
Tornado Watch #288

Issued by Storm Prediction Center in Norman, OK

Initially issued for the Edwards Plateau, Hill County and I-35 Corridor

Primary Threats Included:
• Large Hail to 2.5” in diameter
• Damaging wind gusts to 70mph
• A few tornados possible.
Severe Thunderstorm Watch #289

Issued by Storm Prediction Center in Norman, OK

Initially issued for the Rio Grande Valley and Counties south of I-10.

Primary Threats Included:
- Isolated Damaging Wind Gusts to 70 mph possible.
- Isolated Large Hail Events to 1.5 inches in Diameter
The first two highlighted the risk for hail, damaging winds and isolated tornados. The third talked about a possible Mesoscale Convective System developing.
Severe Thunderstorm Warning #103

Kerr and Gillespie Counties

5:03 pm – 6:00 pm

Reports:
Severe Thunderstorm Warning #104

Edwards, Kerr, and Real Counties

5:15 pm – 6:00 pm

Reports:

Moving to the South at 15 MPH
Tornado Warning #8

Edwards, Kerr, and Real Counties

5:53 pm – 7:00 pm

Reports:
6:30pm...Tornado...10 N Leakey
Severe Thunderstorm Warning #105

Bandera, Edwards, Kerr, and Real Counties

6:39 pm – 7:15 pm

Impact Statistics

Population: 508
Area: 671 square miles
Miles of interstate: 0
Miles of railroad: 0
Public Schools: 2
Hospitals: 0
Airports: 0
National Parks: 0

Storm Information

Moving to the Southeast at 25 MPH

Reports:
Severe Thunderstorm Warning #106

Reports:
7:05 pm...1.00” Hail...5 SSW Rocksprings

Edwards and Real Counties
7:01 pm – 7:45 pm
Severe Thunderstorm Warning #107

Real and Uvalde Counties

7:31 pm – 8:15 pm

Reports:
7:53 pm...T-Storm Wind Damage...2 S Leakey
7:53 pm...1.50” Hail...2 S Leakey
Severe Thunderstorm Warning #108

Burnet and Williamson Counties

7:33 pm – 8:30 pm

Reports:

Moving to the South at 20 MPH
Tornado Warning #9

Real and Uvalde Counties

7:52 pm – 8:45 pm

Reports:

Moving to the South at 20 MPH
Tornado Warning #10

Reported:
8:18 pm...Tornado...7 WNW Briggs

Impact Statistics

- Population: 8,805
- Area: 458 square miles
- Miles of interstate: 0
- Miles of railroad: 12
- Public Schools: 3
- Hospitals: 0
- Airports: 0
- National Parks: 0

Storm Information

Moving to the South at 25 MPH

Burnet and Williamson County

7:58 pm – 8:30 pm
Severe Thunderstorm Warning #109

Real and Uvalde Counties

8:20 pm – 9:00 pm

Reports:

Moving to the South at 20 MPH
Tornado Warning #11

Burnet County

8:25 pm – 9 pm

Reports:

Impact Statistics

Population: 3,565
Area: 183 square miles
Miles of interstate: 0
Miles of railroad: 13
Public Schools: 1
Hospitals: 0
Airports: 0
National Parks: 0

Moving to the South at 25 MPH
Severe Thunderstorm Warning #110

Val Verde and Edwards County

8:20 pm – 9:00 pm

Reports: 8:50 pm...T-storm Wind Damage...Carta Valley
Severe Thunderstorm Warning #111

Burnet County

8:37 pm – 9:15 pm

Reports: 9:00 pm..T-Storm Wind Damage...6 WNW Marble Falls
Severe Thunderstorm Warning #112

Reports:

Moving to the South at 30 MPH
Tornado Warning #12

Zavala and Uvalde County

8:50 pm – 9:15 pm

Reports:

Moving to the South at 30 MPH
Tornado Warning #13

Llano and Burnet County

8:52 pm – 9:30 pm

Reports:

Moving to the South at 25 MPH
**Tornado Warning #14**

**Williamson, Travis, and Burnet County**

9:02 pm – 9:45 pm

**Reports:**
9:10 pm...Tornado...4 N Bertram
9:10 pm...T-Storm Wind Damage...4 N Bertram
Tornado Warning #15

Frio, Zavala, and Uvalde County

9:15 pm – 10:15 pm

Reports:
9:38 pm...T-Storm Wind Damage...1 S Uvalde
Severe Thunderstorm Warning #113

Reports:
9:54 pm...T-Storm Wind Damage...3 WNW Comstock
9:54 pm...T-Storm Wind Damage...5 E Comstock
Severe Thunderstorm Warning #114

Blanco, Burnet, Hays, and Travis County

9:19 pm - 10:00 pm

Reports:
9:20 pm...Wind Gust...4 NE Round Mountain
9:45 pm...T-Storm Wind Damage...4 S Briarcliff
Severe Thunderstorm Warning #115

Zavala, Uvalde, Medina, Frio County

9:37 pm - 1030 pm

Reports:

Moving to the Southeast at 20 MPH
Tornado Warning #16

Travis County

9:41 pm – 10:15 pm

Reports:
10:00 pm...T-Storm Wind Damage...6 SSE Bee Cave
10:05 pm...T-Storm Wind Damage...Lakeway
Severe Thunderstorm Warning #116

Blanco, Caldwell, Comal, Guadalupe, Hays, and Travis County

9:56 pm to 10:30 pm

Reports:
10:00 pm...T-Storm Wind Damage...6 NE Driftwood
10:30 pm...T-Storm Wind Damage...5 E Dripping Springs
10:30 pm...T-Storm Wind Damage...7 NE Driftwood
Severe Thunderstorm Warning #117

Llano, Gillespie, and Blanco County

10:05 pm - 11:00 pm

Impact Statistics

Population: 385
Area: 208 square miles
Miles of interstate: 0
Miles of railroad: 0
Public Schools: 0
Hospitals: 0
Airports: 0
National Parks: 0

Storm Information

Moving to the South at 35 MPH

Reports:
Severe Thunderstorm Warning #118

Hays and Travis County

10:13 pm - 11:00 pm

Reports: 10:20 pm...T-Storm Wind Damage...4 NW Tanglewood Forest
10:45 pm...T-Storm Wind Damage...San Leanna
Severe Thunderstorm Warning #119

Zavala County

11:09 pm - 12:15 am

Reports:

Moving to the Southeast at 15 MPH
0630 PM  TORNADO  10 N LEAKEY  29.87N  99.76W
06/12/2014  REAL  TX  BROADCAST MEDIA

BRIEF TOUCHDOWN... ROOF BLOWN OFF A HOME.

0657 PM  HAIL  5 S ROCKSPRINGS  29.94N 100.22W
06/12/2014  E2.00 INCH  EDWARDS  TX  TRAINED SPOTTER

HAIL FALLING AT THE TIME OF THE REPORT. MOSTLY QUARTER
SIZE HAIL WITH A FEW AS BIG AS EGGS.

0700 PM  HAIL  6 S ROCKSPRINGS  29.93N 100.21W
06/12/2014  M1.00 INCH  EDWARDS  TX  COCORAHS

ONE INCH SIZE HAIL ALONG WITH SOME TREE DAMAGE.

0705 PM  HAIL  5 SSW ROCKSPRINGS  29.94N 100.23W
06/12/2014  E1.00 INCH  EDWARDS  TX  TRAINED SPOTTER

QUARTER SIZE HAIL CONTINUES.

0720 PM  HAIL  6 S ROCKSPRINGS  29.93N 100.21W
06/12/2014  M0.50 INCH  EDWARDS  TX  COCORAHS

PEA TO HALF INCH SIZE HAIL.

0753 PM  HAIL  2 S LEAKEY  29.70N  99.76W
06/12/2014  E1.50 INCH  REAL  TX  TRAINED SPOTTER

LARGE HAIL JUST ENDED AT THE TIME OF THE REPORT.

Straight-line wind damage from Dripping Springs.
Photo Credit: Devon H. via Facebook.

Large Tree Limbs down from Thunderstorm Winds in North Austin. Photo Credit: David C. via Facebook.
0753 PM  TSTM WND DMG  2 S LEAKEY     29.70N  99.76W
06/12/2014  REAL     TX  TRAINED SPOTTER

SEVERAL GOOD SIZE TREES DOWN WITH SEVERAL LIMBS OF
6 INCHES IN DIAMETER DOWN.

0759 PM  HAIL    RIO FRIO    29.63N  99.73W
06/12/2014  E2.00 INCH  REAL     TX  TRAINED SPOTTER

LARGE HAIL REPORTED.

0811 PM  FUNNEL CLOUD   8 NW BRIGGS  30.93N  98.02W
06/12/2014  BURNET     TX  STORM CHASER

BRIEF FUNNEL CLOUD REPORT SOUTH OF WATSON.

0818 PM  TORNADO   7 WNW BRIGGS  30.91N  98.03W
06/12/2014  BURNET     TX  STORM CHASER

TORNADO REPORTED ON THE GROUND BY SEVERAL STORM
CHASERS.

0830 PM  TSTM WND DMG   6 NNW MARBLE FALLS  30.65N
98.31W
06/12/2014  BURNET     TX  COCORAHS

TOP PORTION OF A WEAK CEDAR ELM BLOWN
OVER...SEVERAL 6 INCH DIAMETER TREE BRANCHES TORE
OFF TREES...STRAIGHT LINE WINDS WERE OBSERVED

0845 PM  HAIL  10 W BURNET     30.76N  98.40W
06/12/2014  E0.75 INCH  BURNET     TX  TRAINED SPOTTER

PENNY SIZE HAIL.

Picture of the Tornado in Northern Burnet County on 6/12/14. This Tornado was located near Watson (or NW of Briggs). This tornado was rated an EF-2 for damage it did to two homes and a farm house. Photo Credit: Aaron Dooley (via Facebook)
WIND GUSTS ESTIMATED BETWEEN 60 AND 70 MPH BLEW THE TOPS OF PORTIONS OF THEIR BARNS AND HORSE STALLS

SEVERAL FUNNEL CLOUDS SPOTTED.

PORTION OF METAL ROOF PEELED BACK...10 INCH CEDAR ELM BLOWN OVER...UP TO 10 INCH DIAMETER TREE BRANCHES TORE OFF. TIME OF OCCURRENCE IS APPROX

NUMEROUS TREES DOWN AND DAMGE TO A HOME. OFF OF HIGHWAY 1174 NEAR JOPPA.

UNCONFIRMED REPORT OF A TORNADO NEAR JOPPA.
0915 PM  TSTM WND DMG  3 NW KYLE  30.02N  97.90W
06/12/2014  HAYS  TX  COCORAHs

FOUR PANELS OF A WOOD PRIVACY FENCE BLOWN AWAY...A LARGE ARIZONA ASH AND A LARGE RED OAK TREE BLOWN DOWN...LOTS OF 6 INCH TREE BRANCHES TORE OFF...

0920 PM  TSTM WND GST  4 NE ROUND MOUNTAIN  30.48N  98.32W
06/12/2014  M66 MPH  BLANCO  TX  AMATEUR RADIO

66 MPH WIND GUST.

0934 PM  FUNNEL CLOUD  2 SW LEANDER  30.54N  97.88W
06/12/2014  TRAVIS  TX  EMERGENCY MNGR

SEVERAL FUNNEL CLOUDS SEEN.

0938 PM  TSTM WND DMG  1 S UVALDE  29.20N  99.79W
06/12/2014  UVALDE  TX  EMERGENCY MNGR

LOSS OF POWER FOR MOST OF UVALDE... PLANES OVERTURNED... LOTS OF HALF INCH SIZE HAIL AND VERY HIGH WINDS.

0945 PM  TSTM WND DMG  4 S BRIARCLIFF  30.35N  98.05W
06/12/2014  TRAVIS  TX  COCORAHs

20 PERCENT OF COMPOSITION SHINGLES ON ROOF BLOWN OFF HOME

0954 PM  TSTM WND DMG  5 E COMSTOCK  29.70N  101.09W
06/12/2014  VAL VERDE  TX  LAW ENFORCEMENT

VERY STRONG WINDS... BLEW THE ROOF OF A HOME.

Satellite Image from the evening of 6/12/14 (around 6 pm). You can see the three clusters of storms (and the NWS warnings being issued). The circled storm would eventually spawn the Burnet EF-2 tornado.
A Radar Velocity Image from the New Braunfels (KEWX) radar showing 80-90 knots of wind about 4,000 feet up in the atmosphere. Some of this wind was pushed to the surface and caused straight-line wind damage across western Travis and parts of Hays Co.
SEVERAL VERY LARGE TREES BLOWN OVER.

MULTIPLE LARGE TREES SNAPPED AND UPROOTED. A WOODY FENCE WAS BLOWN AT LEAST 30 YARDS AWAY.

POSSIBLE MICROBURST MOVED POTTED PLANTS...LARGE SHRUBS...AND 300 LB YARD FURNITURE ALL IN DIFFERENT DIRECTIONS.

8 INCH DIAMETER CHINA BERRY TREE BLOWN DOWN...5 INCH DIAMETER ELM TREE BLOWN DOWN...LOTS OF TREE DAMAGE IN NEIGHBORHOOD...STRAIGHT LINE WINDS FROM NORTH TO SOUTH WERE OBSERVED.

NUMEROUS TREES BLOWN DOWN AND POWER LINES BETWEEN KYLE... BUDA AND DRIPPING SPRINGS.

TREES BLOWN INTO POWER LINES CAUSING LOSS OF POWER.
Burnet County Tornadoes.

・WATSON TORNADO...

RATING: EF-0
ESTIMATED PEAK WIND: 75 MPH
PATH LENGTH /STATUTE/: 0.1 MILES
PATH WIDTH /MAXIMUM/: 50 YARDS
FATALITIES: 0
INJURIES: 0

START DATE: JUNE 12 2014
START TIME: 8:18 PM CDT
START LOCATION: 1.5 W WATSON / BURNET COUNTY / TX
START LAT/LON: 30.9321 / -98.0402

END DATE: JUNE 12 2014
END TIME: 8:19 PM CDT
END LOCATION: 1.5 W WATSON / BURNET COUNTY / TX
END LAT/LON: 30.9303 / -98.0400

SURVEY SUMMARY: U.S. NATIONAL WEATHER SERVICE METEOROLOGISTS SURVEYED DAMAGE WEST OF WATSON. THE SURVEY TEAM FOUND A SMALL WEAK EF0 TORNADO TOUCHED DOWN NEAR COUNTY ROAD 208. THE ONLY DAMAGE FOUND WAS TO HARDWOOD TREES. WINDS WERE ESTIMATED TO BE NEAR 75 MPH.
**Burnet County Tornadoes.**

**SHADY GROVE TORNADO...**

**RATING:** EF-2  
**ESTIMATED PEAK WIND:** 125 MPH  
**PATH LENGTH /STATUTE/:** 1.7 MILES  
**PATH WIDTH /MAXIMUM/:** 100 YARDS  
**FATALITIES:** 0  
**INJURIES:** 0  

**START DATE:** JUNE 12 2014  
**START TIME:** 8:25 PM CDT  
**START LOCATION:** 3.5 N SHADY GROVE / BURNET COUNTY / TX  
**START LAT/LON:** 30.8685 / -98.0875  

**END DATE:** JUNE 12 2014  
**END TIME:** 8:29 PM CDT  
**END LOCATION:** 2.7 NNW SHADY GROVE / BURNET COUNTY / TX  
**END LAT/LON:** 30.8507 / -98.1068  

**SURVEY SUMMARY:** U.S. NATIONAL WEATHER SERVICE METEOROLOGISTS SURVEYED DAMAGE NORTH OF SHADY GROVE. THE SURVEY TEAM FOUND A STRONG TORNADO INITIALLY TOUCHED DOWN NORTH OF FM 963 NEAR BAR D TRAIL. DAMAGE TO A WIND MILL...NÚMEROS TREES UPROOTED AND DAMAGE TO A METAL BARN WERE NOTED. A SINGLE FAMILY HOME ALSO LOST NUMEROUS SPANISH TILE SHINGLES FROM ITS ROOF. THE DAMAGE AT THIS LOCATION WAS NOTED TO BE EF1. THE TORNADO THEN TRACKED TO THE SOUTHWEST WHERE EF2 DAMAGE WAS NOTED TO A HOME TO THE EAST OF FM 1174 ABOUT 0.5 MILES SOUTH OF THE INTERSECTION WITH FM 963. DAMAGE TO A SINGLE RESIDENCE HOUSE WAS OBSERVED. THE HOUSE WAS PICKED UP OFF ITS FOUNDATION OF ABOUT 30 PIERS AND LANDED ABOUT 100 YARDS TO THE S/SW OF THE ORIGINAL LOCATION. FIVE PEOPLE TOOK APPROPRIATE ACTIONS AND SOUGHT SHELTER IN THEIR BATHROOM. THE RESIDENTS EXPERIENCED ONLY VERY MINOR CUTS AND SCRAPE DESPITE THE SEVERITY OF THE DAMAGE TO THE HOME. THE TORNADO THEN CAUSED TREE DAMAGE ON THE WEST SIDE OF FM 1174 BEFORE LIFTING. MAXIMUM WINDS WERE ESTIMATED TO BE NEAR 125 MPH.
PUBLIC INFORMATION STATEMENT
NATIONAL WEATHER SERVICE AUSTIN/SAN ANTONIO TX
1048 PM CDT FRI JUN 13 2014

...STORM SURVEY RESULTS FROM UVALDE AND REAL COUNTY...

A NATIONAL WEATHER SURVEY TEAM SURVEYED TWO AREAS OF DAMAGE IN
UVALDE AND REAL COUNTY. THE TEAM CONCLUDED THAT BOTH AREAS OF
DAMAGE WERE THE RESULT OF STRAIGHT LINE DOWNBURST WINDS. WIND
SPEEDS WERE ESTIMATED TO BE BETWEEN 60-70 MPH FOR BOTH LOCATIONS.
WIDESPREAD DAMAGE WAS NOTED IN UVALDE WITH NUMEROUS TREES AND
POWERPOLES DOWN DUE TO THE HIGH WINDS. A GRAIN SILO SUFFERED MAJOR
DAMAGE NORTH OF UVALDE AND SEVERAL TRAIN CARS WERE ALSO OVERTURNED
IN UVALDE.

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24Hr Rainfall Ending 7AM June 13, 2014
Two damage survey crews went out on the morning of 6/13/14. Our SOO and Intern went to Burnet to survey tornado damage (above), while our Hydrologist and a Lead Forecaster went to Uvalde and Leakey to determine whether the damage there was caused by a tornado or straight line winds. While out surveying we conducted media interviews, took pictures, and plotted damage points using our phones and GPS.

We conduct these damage surveys not only to give a rating to the tornado, but the results of these surveys help us educate the public and media, further meteorological research, and help engineers build stronger and safer homes.