

June 4-5 2017 Wind/Hailstorms



Above, top: One of many impressive shelf clouds, east of Brownsville, associated with scattered strong to severe wind/hail storms June 5, 2017. For more cool clouds from our Facebook page, click [here](#). **Bottom:** Damage to poorly fastened roof and fence in Laguna Heights from one of the storms which produced winds estimated and measured near 60 mph.

“Cool” Clouds, Rough Storms

Upper Level Disturbance Runs into Hot Air, Triggers Scattered Severe Thunderstorms

Quick Overview

A vigorous upper level disturbance for early June slid across north and central Texas from June 4th through June 5th, triggering scattered wind and hailstorms across the state, as well as local flooding from the Coastal Bend through the Houston/Galveston area. For the Rio Grande Valley and the South Texas Brush Country, “spokes” of energy rotating around the back side of the disturbance brought sufficient lift to produce recurring storms, beginning Sunday evening June 3rd across the King Ranch (the third straight Sunday for local severe storms), then returning early Monday with a long lasting cell that tracked through Brooks County and into

Raymondville, and culminating with scattered afternoon and early evening wind and hail storms across the Rio Grande Valley and into Tamaulipas.

The event on June 4th produced a brief period of hailstones the size of golfballs east of Falfurrias (no damage was reported, however). The same storm continued across the King Ranch in Kenedy County and into the Laguna Madre and Gulf waters east of Port Mansfield after midnight on the 5th before dissipating. Other strong storms formed near San Antonio in the wee hours of the 5th; while most faded out as they reached the South Texas Brush County, one cell continue to pulse to severe limits (estimated quarter sized hail and 60 mph wind gusts) as it cut through Brooks County before diving into the Lower Valley and knocking down a couple of poles in Raymondville soon after sunrise.

After a break, the atmosphere percolated up again with waves of scattered storms, some containing hail and gusty winds, moving from north to south across the Brush Country by mid afternoon. While most of these storms “behaved” with mainly occasional lightning, brief downpours, and wind gusts 40 mph or lower, one cell strengthened over Willacy County and held together as it moved into eastern Cameron County and eventually into northeast Tamaulipas. 60 mph winds surging with the storm knocked down several tree limbs east of Rio Hondo a little after 5 PM, then lifted a tin roof and knocked down a fence at a home in Laguna Heights, just before 6 PM. The same cell punched out a 59 mph gust in Bayview at Cameron County Airport moments earlier.

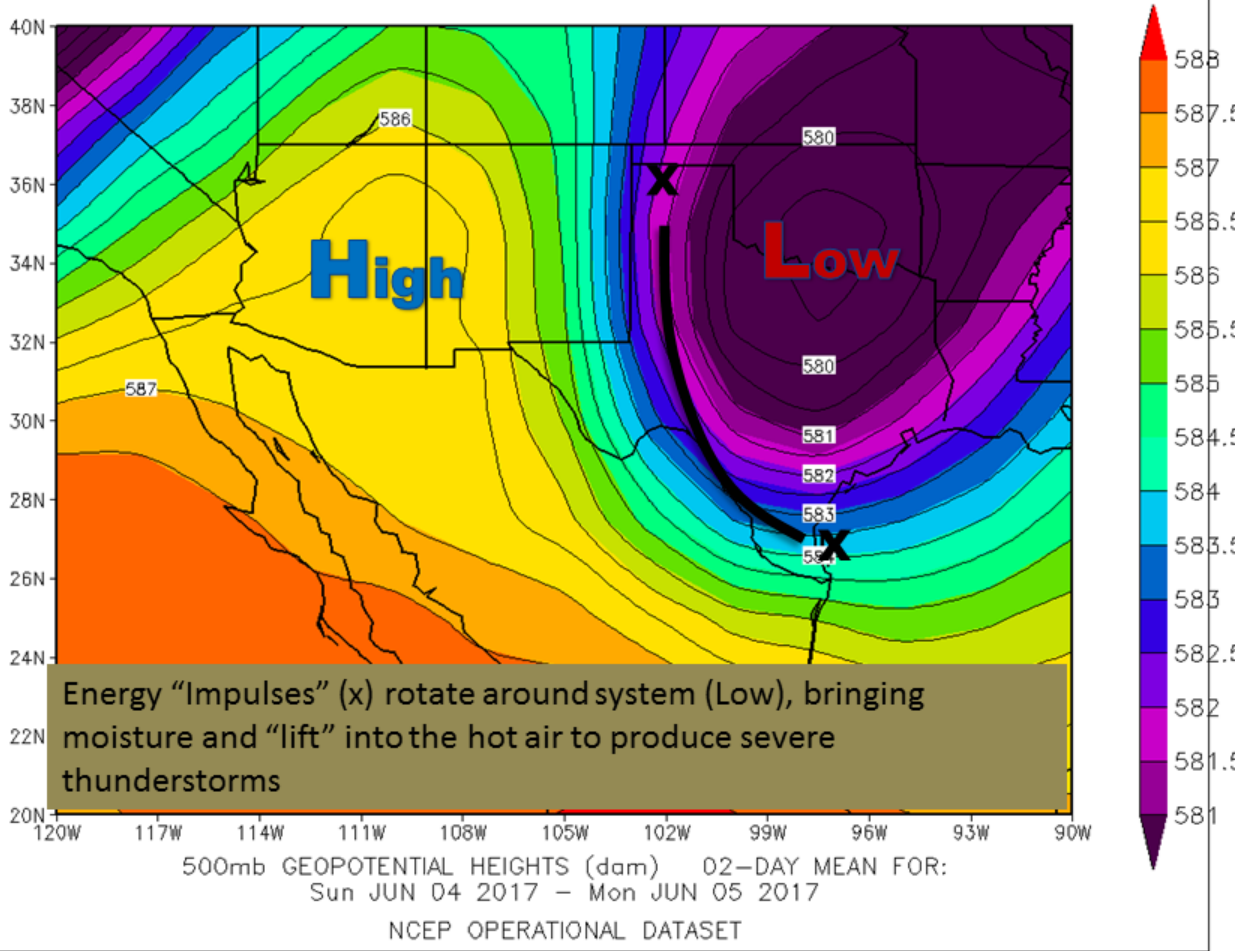
While large hail did not materialize in these storms (smaller stones, the size of peas to pennies, likely did) stateside, a supercell formed just south of the Rio Grande and would ultimately produce visual evidence of golf ball to baseball sized hailstones in an unknown location of Matamoros.

A preliminary report of storm events follows at the end of this article.

Radar Velocity Image 548 PM, June 5th 2017



Steering Pattern June 4-5, 2017



847

NWUS54 KBRO 070528

LSRBRO

PRELIMINARY LOCAL STORM REPORT...SUMMARY

NATIONAL WEATHER SERVICE BROWNSVILLE TX

1227 AM CDT WED JUN 07 2017

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

1045 PM HAIL 5 E FALFURRIAS 27.22N 98.07W
06/04/2017 E1.75 INCH BROOKS TX LAW ENFORCEMENT

BROOKS COUNTY SHERIFFS OFFICE REPORTED GOLF BALL SIZE
HAIL 5 MILES EAST OF US 281 ALONG SR 285.

0815 AM TSTM WND DMG 6 SW RAYMONDVILLE 26.42N 97.85W
06/05/2017 WILLACY TX LAW ENFORCEMENT

A COUPLE OF UTILITY POLES WERE REPORTED DOWN ALONG FM
491 APPROXIMATELY ONE MILE WEST OF BUS 77.

0500 PM TSTM WND DMG 1 N RAYMONDVILLE 26.49N 97.78W
06/05/2017 WILLACY TX PUBLIC

LARGE TREE DOWN VIA SOCIAL MEDIA POST. TIME ESTIMATED
AT AROUND 5 PM.

0520 PM TSTM WND DMG 4 E RIO HONDO 26.23N 97.52W
06/05/2017 CAMERON TX PUBLIC

TREES DOWN. TREE LIMBS DOWN ALONG GENERAL BRANT ROAD
NEAR OLMITO NORTH ROAD.

0535 PM TSTM WND GST 3 E BAYVIEW 26.12N 97.35W
06/05/2017 M59 MPH CAMERON TX ASOS

51 KNOTS GUSTS REPORTED BY ASOS

0548 PM TSTM WND DMG LAGUNA HEIGHTS 26.08N 97.26W
06/05/2017 CAMERON TX BROADCAST MEDIA

PORTIONS OF A ROOF...FENCE ...AND AN ABOVE GROUND POOL
SUSTAINED DAMAGE. ESTIMATED TIME OF DAMAGE AT 5 48 PM
FROM RADAR.