

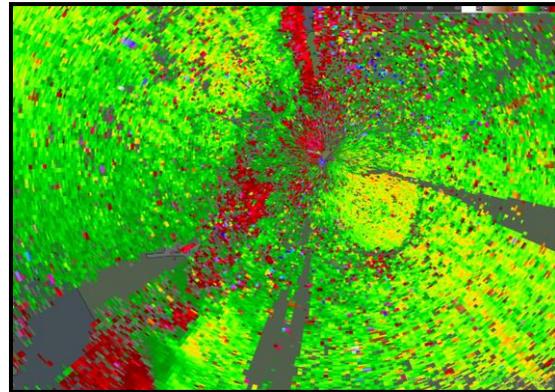
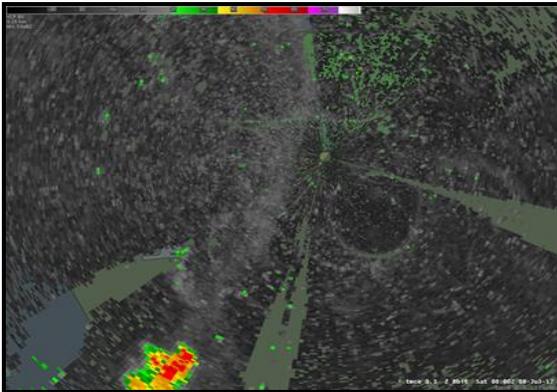


National Weather Service Melbourne, Florida

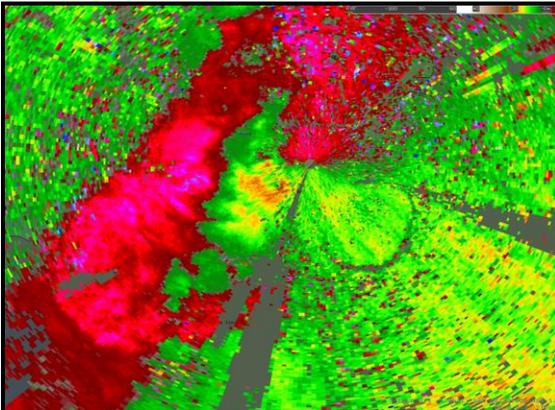
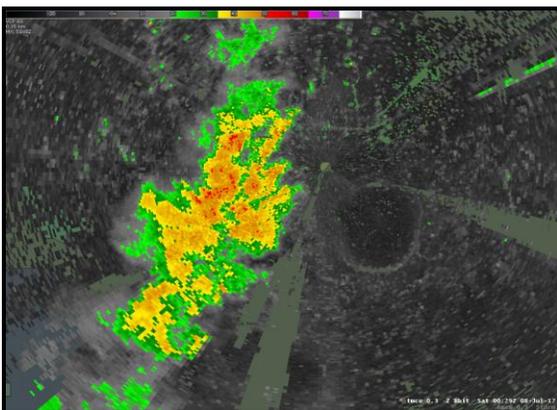
<http://www.weather.gov/mlb/>

NWS Confirms Tornadoes on 07/07/17 Rural Orange County and Kissimmee Area

The Atlantic and Gulf coast sea breeze boundaries collided from south-central Orange County to western Osceola County in the early evening. During the initial collision and prior to any shower or thunderstorm formation, a brief landspout/tornado was observed from the Orlando International Airport tower and was photographed by people at the airport. Showers and thunderstorms then rapidly formed along the north-south boundary collision zone and a series of low-level rotational signatures were noted on Doppler radar over the Kissimmee area. One of signatures produced a funnel cloud, observed by many citizens and SKYWARN spotters in Kissimmee. Shortly after, the funnel cloud developed into a tornado, producing minor damage to several homes in Kissimmee. Many residents witnessed and photographed the funnel cloud and tornado.



Base reflectivity (L) & Velocity (R) from TMCO TDWR. Images above are from time of Orange Co tornado at 8:00 pm EDT. Bottom images are from 8:29 pm EDT, touchdown time of the Osceola Co tornado.



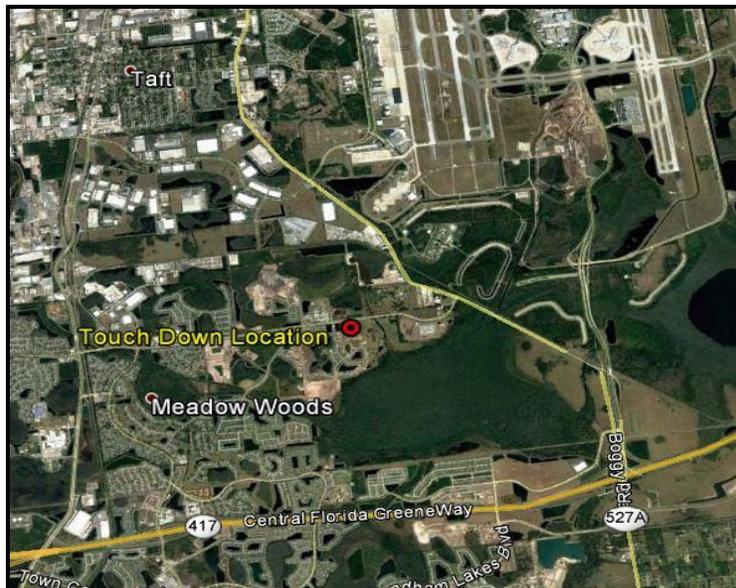
MEADOW WOODS TORNADO IN RURAL ORANGE COUNTY:

RATING: EF-0
ESTIMATED PEAK WIND: 50 mph
PATH LENGTH (STATUTE): 0.05 miles
PATH WIDTH (MAXIMUM): 15 yards
FATALITIES: 0
INJURIES: 0

START DATE: JUL 7 2017
START TIME: 08:00 PM EDT
START LOCATION: 1.9 Miles ESE Tangelo Park
START LAT/LON: 28.3917 / -81.3403
END DATE: JUL 7 2017
END TIME: 8:00 PM EDT
END LOCATION: 1.9 Miles ESE Tangelo Park
END LAT/LON: 28.3917 / -81.3403

DAMAGE SUMMARY:

An observation from Air Traffic Control at Orlando International Airport and examination of photographs taken from the airport confirm that a landspout/tornado briefly formed approximately two miles southwest of the tower within an undeveloped area of rural Orange County (Meadow Woods). The tornado developed as a strong collision of two sea breeze boundaries was taking place, prior to shower and thunderstorm development. Partly cloudy skies were occurring at the time. The photographs clearly showed a large radius of dust/dirt surrounding the vortex at the surface and a condensation funnel extending upward to the cloud base. No damage was reported. The tornado was estimated at EF-0 strength (winds 40 to 50 mph).



Location of touchdown in Meadow Woods area of Orange County.

BUENA VENTURA LAKES TORNADO IN OSCEOLA COUNTY:

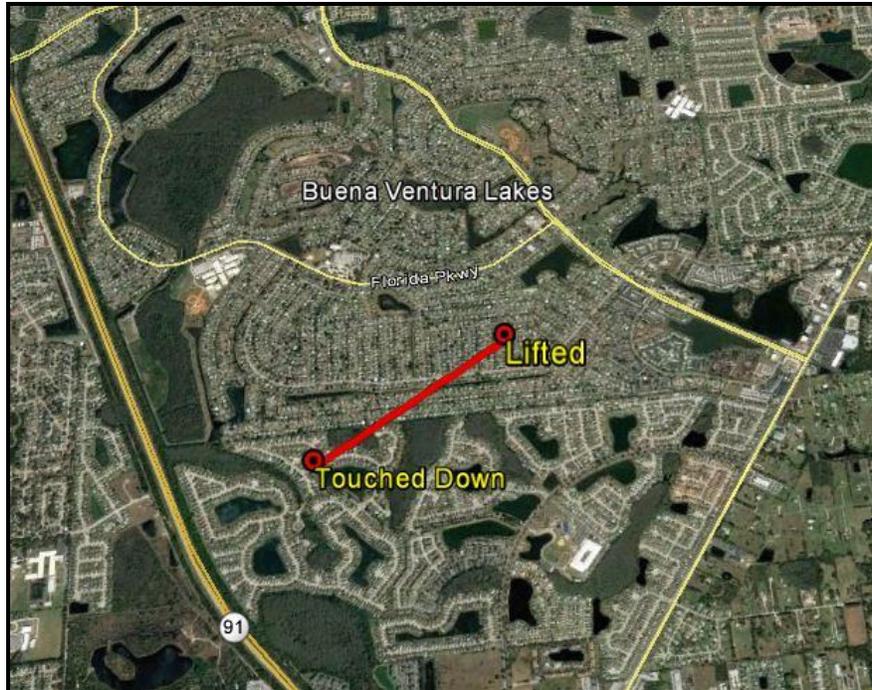
RATING: EF-0
ESTIMATED PEAK WIND: 70 mph
PATH LENGTH (STATUTE): 0.7 miles
PATH WIDTH (MAXIMUM): 25 yards
FATALITIES: 0
INJURIES: 0

START DATE: JUL 7 2017
START TIME: 08:29 PM EDT
START LOCATION: 2.5 Miles ENE Kissimmee
START LAT/LON: 28.3171 / -81.3636
END DATE: JUL 7 2017
END TIME: 08:32 PM EDT
END LOCATION: 3.2 Miles ENE Kissimmee
END LAT/LON: 28.3224 / -81.3540

DAMAGE SUMMARY:

Numerous residents within the Buena Ventura Lakes region of Kissimmee observed a funnel cloud approach from the southwest after 8:15 PM and become a tornado at 8:29 PM as it traveled through two adjacent subdivisions for less than 0.75 miles before dissipating at 8:32 PM. Eyewitnesses described swirling debris at the surface, as well as swirling water within an adjacent lake, with a visible condensation funnel farther aloft to the cloud base. Several single family homes sustained minor damage, consisting of several removed shingles, and damage to carports and pool screen enclosures. A large mango tree fell onto one home resulting in roof damage. The tornado path and intensity (EF-0, winds estimated at 60-70 mph) were determined after examining damage photos and interviewing several eyewitnesses.





Tornado Path in Buena Ventura Lakes are of Osceola County.

The NWS thanks Osceola County Emergency Management for providing damage photos and on-scene observations, Orlando media for sharing funnel cloud and tornado photos, and local citizens for providing photos and eyewitness reports of storm impacts.

EF SCALE: The enhanced Fujita scale classifies tornadoes into the following categories.

- EF0...Weak.....65 to 85 mph
- EF1...Weak.....86 to 110 mph
- EF2...Strong....111 to 135 mph
- EF3...Strong....136 to 165 mph
- EF4...Violent...166 to 200 mph
- EF5...Violent...>200 mph

NOTE:

The information in this statement is preliminary and subject to change pending final review of the events and publication in NWS storm data.