



**The Florida Climate Center**  
*The Florida State University*



Mr. David F. Zierden, State Climatologist

May 14, 2009

Elaine Tomasovic  
 Butler, Pappas, Weihmuller, Katz, Craig LLP  
 One Harbor Place, Suite 500  
 777 South Harbor Island Blvd.  
 Tampa, Florida 33607

To Whom It May Concern:

Included with this letter you will find information you requested from our office concerning weather observations for the area of Pinecrest, Florida. Hourly observations provided were taken from the ASOS station located at the Kendall-Tamiami Executive Airport and the Miami International Airport, which are approximately 7 and 10 miles from the location of interest, respectively. Data are provided for June 7, 2007. Also attached is a list of conversions and meteorological identifiers that will help you decipher the information. A map of the area, courtesy of Google Maps, has also been included. Note the locations of the stations and area of interest, marked by identifiers.

The ASOS system serves as the nation's primary surface weather observing network and is designed to support weather forecast activities and aviation operations and, at the same time, support the needs of the meteorological, hydrological, and climatological research communities. ASOS detects significant changes, disseminating hourly and special observations via the networks. These observations are on archive and were provided by the National Climate Data Center.

The observations from Kendall-Tamiami Executive Airport on 06/07/2007 around the time of the incident (listed as around 3:25 PM) were:

Date	Time	Visibility	Temp	Dew Point	Relative Humidity	Wind	Gust	Pressure	Present Weather	Report Type
07	1521	10.00 miles	84°F	72°F	67%	East 17 mph	None	30.03"	None	Special
07	1528	10.00 miles	82°F	72°F	72%	East 15 mph	None	30.04"	None	Special
07	1539	10.00 miles	82°F	73°F	74%	East 16 mph	None	30.04"	None	Special

The observations from Miami International Airport on 06/07/2007 around the time of the incident (listed as around 3:25 PM) were:

Date	Time	Visibility	Temp	Dew Point	Relative Humidity	Wind	Gust	Pressure	Present Weather	Report Type
07	1453	10.00 miles	83°F	71°F	67%	East 15 mph	None	30.04"	None	Auto
07	1551	10.00 miles	81°F	72°F	74%	ENE 9 mph	None	30.04"	None	Special
07	1553	10.00 miles	81°F	71°F	72%	ENE 9 mph	None	30.03"	None	Auto

At 1753 (or 5:53 PM EDT), both airport locations reported light rain (-RA) with a trace (less than 0.01") of rain. The next hourly report at Miami and Kendall-TamiamiHourly precipitation observations from both locations recorded only 0.01" during the hour from 1753 to 1853.

Also included with this letter in an official paper copy of the requested radar image, provided by NCDC, for the time of incident. The images provided are known as Base Reflectivity Images, which is a display of echo intensity measured in dBZ (decibels of Z, where Z represents the energy reflected back to the radar). The scale of dBZ values is also related to the intensity of rainfall. Dates and times are located on the right hand side of the image (year/month/date/time are given in GMT). Since time is given in GMT, the date on the mage reflects being taken at 19:28 GMT on the 7<sup>th</sup>, which corresponds to 3:28 PM EDT on the 7<sup>th</sup>.

The images were taken from the Miami, FL radar site, located at the Miami International Airport. The location of Palm Beach Gardens, FL, is noted on the image (the red line represents Interstate 95). Typically, light rain is occurring when the dBZ value reaches 20. The higher the dBZ value, the stronger the rain-rate. Depending on the type of weather occurring and the area of the U.S., forecasters use a set of rain-rates, which correspond to the dBZ values. At 1928 GMT (the closest time to the incident), there was an area of heavy rain to the north and northwest of the Pinecrest area.

I hereby certify that the data provided are true copies of the specified records and/or publications for the times and places indicated thereon on file at the National Climatic Data Center in Asheville, NC.

Sincerely,

Melissa L. Griffin  
 Climate Services Assistant  
 Florida Climate Center  
 The Florida State University  
 (850) 644-0719