



August 27, 2015

Jeanette Bellon
Hamilton, Miller & Birthisel LLP
150 Southeast Second Avenue
Suite 1200
Miami, Florida 33131

Client Matter: 71611
Claim Number: 001-00-028850
Location of Interest: 1393 Seagrape Circle, Weston, Florida 33326
Time Period of Interest: December 2, 2014

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 Miami, Florida. Hourly observations provided were taken from the Automated Surface Observing System (ASOS) stations located at the Hollywood North Perry Airport, the Fort Lauderdale International Airport, the Fort Lauderdale Executive Airport, and the Opa Locka Airport, which are approximately 10, 14, 14, and 15 miles from the location of interest, respectively. Data provided for this report are from December 2, 2014. 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 either yellow pushpins or other 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. These observations are on archive and were provided by the National Climate Data Center (NCDC).

Observations on 12/02/2014 with reported rainfall and/or wind gusts from Hollywood North Perry Airport during the time period of interest are summarized below:

Date	Time	Visibility	Temp	Dew Point	Relative Humidity	Wind	Wind Gust	Sea Level Pressure	Present Weather	Report Type
2	0953	10 miles	73°F	67°F	82%	ENE 15 mph	23 mph	30.18"	None	Auto
2	1053	9 miles	73°F	70°F	90%	E 14 mph	--	30.16"	Light Rain	Auto
2	1109	10 miles	74°F	69°F	84%	E 14 mph	--	M	Vicinity Thunder with Light Rain	Special



Date	Time	Visibility	Temp	Dew Point	Relative Humidity	Wind	Wind Gust	Sea Level Pressure	Present Weather	Report Type
2	1153	10 miles	75°F	68°F	79%	E 11 mph	--	30.15"	Light Rain	Auto
2	1453	10 miles	76°F	66°F	69%	E 14 mph	24 mph	30.09"	None	Auto
2	1609	2 miles	73°F	38°F	84%	SE 8 mph	--	M	Light Rain	Special
2	1635	7 miles	71°F	66°F	84%	E 9 mph	--	M	Light Rain	Special
2	2053	6 miles	72°F	68°F	87%	E 15 mph	--	30.14"	Rain and Mist	Auto
2	2119	10 miles	72°F	69°F	90%	E 8 mph	--	M	Light Rain	Special
2	2134	10 miles	73°F	68°F	84%	E 13 mph	--	M	Light Rain	Special
2	2353	10 miles	72°F	67°F	84%	E 11 mph	--	30.13"	Light Rain	Auto

*Var = Variable

*M = Missing

Observations on 12/02/2014 with reported rainfall and/or wind gusts from Fort Lauderdale International Airport during the time period of interest are summarized below:

Date	Time	Visibility	Temp	Dew Point	Relative Humidity	Wind	Wind Gust	Sea Level Pressure	Present Weather	Report Type
2	0153	10 miles	75°F	66°F	74%	ENE 13 mph	20 mph	30.14"	None	Auto
2	0353	10 miles	74°F	66°F	76%	ENE 10 mph	20 mph	30.11"	None	Auto
2	0853	10 miles	87°F	66°F	71%	SSE 16 mph	25 mph	30.15"	None	Auto
2	0939	1.5 miles	72°F	68°F	87%	ENE 16 mph	25 mph	M	Rain and Fog/Mist	Special
2	0953	1.50 miles	71°F	66°F	84%	ESE 10 mph	--	30.16"	Heavy Rain	Auto
2	0956	5 miles	71°F	66°F	84%	E 8 mph	--	M	Heavy Rain	Special
2	1042	1.75 miles	70°F	65°F	84%	SE 9 mph	--	M	Heavy Rain	Special
2	1053	1.25 miles	71°F	66°F	84%	SE 17 mph	23 mph	30.14"	Heavy Rain	Auto
2	1056	5 miles	71°F	66°F	84%	SE 20 mph	26 mph	M	Heavy Rain	Special
2	1153	10 miles	76°F	68°F	76%	E 13 mph	--	30.13"	Light Rain	Auto

Date	Time	Visibility	Temp	Dew Point	Relative Humidity	Wind	Wind Gust	Sea Level Pressure	Present Weather	Report Type
2	1353	4 miles	73°F	68°F	84%	E 15 mph	24 mph	30.09"	Heavy Rain	Auto
2	1451	1.50 miles	73°F	70°F	90%	ESE 16 mph	25 mph	M	Heavy Rain and Mist	Special
2	1453	4 miles	73°F	68°F	84%	ESE 16 mph	25 mph	30.09"	Rain	Auto
2	1522	10 miles	75°F	69°F	82%	ENE 11 mph	--	M	Light Rain	Special
2	1851	10 miles	73°F	68°F	84%	ENE 8 mph	17 mph	M	Light Rain	Special
2	1853	10 miles	73°F	68°F	82%	ENE 10 mph	17 mph	30.10"	Light Rain	Auto
2	1904	10 miles	74°F	68°F	82%	ENE 17 mph	26 mph	M	None	Special
2	2330	1 mile	75°F	67°F	76%	E 17 mph	24 mph	M	Heavy Rain and Mist	Special
2	2333	3 miles	74°F	67°F	79%	SE 13 mph	24 mph	M	None	Special
2	2348	8 miles	73°F	68°F	84%	ESE 14 mph	--	M	Light Rain	Special

*Var = Variable

*M = Missing

Observations on 12/02/2014 with reported rainfall and/or wind gusts from Fort Lauderdale Executive Airport during the time period of interest are summarized below:

Date	Time	Visibility	Temp	Dew Point	Relative Humidity	Wind	Wind Gust	Sea Level Pressure	Present Weather	Report Type
2	0653	10 miles	74°F	68°F	82%	ENE 14 mph	--	30.15"	Light Rain	Auto
2	0751	10 miles	70°F	66°F	87%	ESE 11 mph	--	M	Light Rain	Special
2	0753	10 miles	70°F	65°F	84%	E 10 mph	--	30.16"	Light Rain	Auto
2	0831	10 miles	71°F	67°F	87%	ENE 14 mph	--	M	Light Rain	Special
2	0853	10 miles	71°F	67°F	87%	ENE 17 mph	--	30.18"	Light Rain	Auto

Date	Time	Visibility	Temp	Dew Point	Relative Humidity	Wind	Wind Gust	Sea Level Pressure	Present Weather	Report Type
2	0951	10 miles	72°F	66°F	82%	E 3 mph	--	M	Light Rain	Special
2	0953	10 miles	71°F	67°F	87%	ESE 5 mph	--	30.18"	Light Rain	Auto
2	1053	2 miles	74°F	69°F	84%	E 18 mph	24 mph	30.16"	None	Auto
2	1128	1.75 miles	70°F	66°F	87%	ESE 11 mph	--	M	Heavy Rain and Mist	Special
2	1143	0.50 mile	71°F	68°F	90%	SE 18 mph	24 mph	M	Heavy Rain and Fog	Special
2	1153	0.75 mile	70°F	67°F	90%	SSE 16 mph	--	30.15"	Heavy Rain and Mist	Auto
2	1156	1 mile	70°F	67°F	87%	Var 6 mph	--	M	Heavy Rain and Mist	Special
2	1206	10 miles	71°F	69°F	87%	N 3 mph	--	M	Light Rain	Special
2	1220	10 miles	73°F	71°F	87%	N 3 mph	--	M	Light Rain	Special
2	1318	2 miles	72°F	68°F	87%	ESE 20 mph	31 mph	M	Heavy Rain and Mist	Special
2	1333	3 miles	72°F	67°F	84%	E 10 mph	--	M	Heavy Rain	Special
2	1353	10 miles	74°F	70°F	87%	ENE 7 mph	--	30.10"	Light Rain	Auto
2	1553	10 miles	76°F	67°F	74%	E 13 mph	22 mph	30.10'	None	Auto
2	1953	10 miles	74°F	65°F	74%	E 18 mph	24 mph	30.12"	None	Auto
2	2353	6 miles	72°F	67°F	84%	E 17 mph	25 mph	30.13"	Rain	Auto

*Var = Variable

*M = Missing

Observations on 12/02/2014 with reported rainfall and/or wind gusts from Opa Locka Airport during the time period of interest are summarized below:

Date	Time	Visibility	Temp	Dew Point	Relative Humidity	Wind	Wind Gust	Sea Level Pressure	Present Weather	Report Type
2	0653	10 miles	73°F	68°F	84%	E 10 mph	--	30.14"	Light Rain	Auto
2	0820	6 miles	73°F	69°F	87%	ENE 6 mph	--	M	Light Rain and Mist	Special

Date	Time	Visibility	Temp	Dew Point	Relative Humidity	Wind	Wind Gust	Sea Level Pressure	Present Weather	Report Type
2	1053	10 miles	75°F	68°F	79%	E 15 mph	22 mph	30.15"	Light Rain	Auto
2	1100	10 miles	76°F	70°F	82%	E 14 mph	--	M	Light Rain	Special
2	1353	10 miles	80°F	66°F	62%	E 17 mph	23 mph	30.03"	None	Auto
2	1453	10 miles	75°F	68°F	79%	E 16 mph	--	30.09"	Light Rain	Auto
2	1939	4 miles	71°F	67°F	87%	SE 20 mph	24 mph	M	Heavy Rain and Mist	Special
2	1953	7 miles	71°F	67°F	87%	M	--	30.11"	Light Rain	Auto

*Var = Variable

*M = Missing

Hourly observations from all airports indicate that rain fell and they were gusty winds in the area, during throughout the day on the 2nd. Throughout the 2nd, all stations reported sustained winds between 5 and 20 mph, with wind gusts as high as 31 mph. Some of the higher winds gusts were associated with thunderstorms that either moved directly over the location of interest or were in the vicinity.

In addition to the data from the airports, observations of daily precipitation totals were taken from COOP stations surrounding the area of interest. These COOP stations are sites where observations are taken or other services rendered by volunteers or contractors. Observers record temperature and precipitation daily and send those reports monthly to NCDP and a NWS office. The COOP stations vary in the times that they report the weather information they've collected, so these totals are for the 24-hour period, usually beginning/ending between 7:00AM and 9:00 AM, though some stations report outside of that time window. For example, daily data are collected by the COOP station and reported from 4pm to 4pm, which means rain that fell on a particular day (example: 12/02/14) could be reported the following day (example: 12/03/14). Daily values of temperatures and precipitation from each station are included with this report. Any variable listed as -999 represents a missing value for the day.

Station	NWS COOP ID	Time of Observation	Rainfall Total 12/02/14	Rainfall Total 12/03/14	Rainfall Total 12/04/14
Fort Lauderdale International AP	83165	2400	1.27"	0.02"	0.10"
Fort Lauderdale Executive AP	KFXE	2400	1.80"	0.16"	0.00"
Opa Locka AP	KOPF	2400	0.69"	0.05"	0.03"
Hollywood/North Perry AP	84050	0700	0.10"	0.90"	0.11"
Fort Lauderdale COOP	83163	0700	0.64"	1.48"	0.08"
Fort Lauderdale Beach COOP	83168	0700	0.11"	1.35"	0.02"

Also included with this letter are official paper copies of requested radar images, provided by NCDP, for certain times during the event. The images provided are known as Base Reflectivity Images, which display 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 each image (year/month/date/time are given in GMT). Since time is given in

GMT, the date on the first image reflects being taken at 00:01 GMT on the 2nd, which corresponds to 7:01 PM EST on the 1st (the offset from GMT to EST is 5 hours).

The provided images were taken from the radar site located in Miami, FL, located near the Miami National Weather Service Office and the approximate location of interest is noted on each image by a white dot and label.

From 00:01 GMT on the 2nd (7:01 PM EST on the 1st) until 07:49 GMT on the 2nd (2:49 AM EST on the 2nd), the images were taken when the radar had been switched to 'clear-air' mode. Clear-air mode is often used when no significant precipitation echoes are on radar, or when light precipitation is on radar. The radar is more sensitive in this mode and can also give 'false' echoes that are created by dust, insects, birds and boundaries between two different air masses. At 7:49 GMT on the 2nd, the radar was switched to precipitation mode as a thunderstorm began moving onshore north of Fort Lauderdale. The storm moved to the west and impacted the area of interest around 8:38 GMT on the 2nd (3:38 AM EST). Around 11:37 GMT (6:37 AM EST), a large area of thunderstorm activity moves onshore and moved just north of the location of interest around 14:15 GMT (9:37 AM EST). Between 14:20 GMT (9:20 AM EST) and 16:39 GMT (11:39 AM EST), there is no radar data available from the Miami location. When data is available again at 16:39 GMT (11:39 AM EST), there is heavy rain north of the location of interest. Another gap in radar data occurs between 17:08 GMT (12:08 PM EST) and 19:48 GMT (2:48 PM EST), and when the radar comes back online there is an area of storm activity to the north of the location of interest. At 20:48 GMT (3:48 PM EST), the location of interest was directly impacted by a thunderstorm and the area continued to experience light rain until 22:51 GMT (5:51 PM EST).

Due to the gaps in the data from the Miami radar, supplemental data was retrieved from the radar sites in Key West, FL and Melbourne, FL. The location of interest falls at the outer most bounds of these two different radar sites so a different product, with a coarser resolution, was used to determine if rain impacted the area. Both the radar at Key West and Melbourne indicate a thunderstorm moved through the location of interest from roughly 15:50 GMT (10:50 AM EST) until 1630 GMT (11:30 AM EST), which is supported by the hourly observations from the nearby airports. During the time of the other data gap, both radars show light shower activity.

A review of Local Storm Reports (LSRs) archived at the Storm Prediction Center in Norman, OK show that there were no reports of flooding, heavy rains, or high winds on 12/02/2014 for the area of interest.

Based on the data provided to us, stations surrounding the area of interest reported rainfall and radar images indicate that light to moderate rain fell over the location of interest during the early morning hours on the 27th of November 2013.

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 Centers for Environmental Information in Asheville, NC, and the Southeast Regional Climate Center in Chapel Hill, NC.

Sincerely,

David F. Zierden
Florida Climate Center
The Florida State University
(850) 644-3417