



## Climate Summary for Florida November 2010

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Online at: [http://coaps.fsu.edu/climate\\_center/summaries/flmonthly2010\\_11.shtml](http://coaps.fsu.edu/climate_center/summaries/flmonthly2010_11.shtml)

**Average temperatures near normal for November.** Overall, average temperatures for November were near normal (Table 1). During the first half of the month record low maximum temperatures were tied or broken in southern areas. A maximum temperature of 62° F at St. Perersburg on the 6<sup>th</sup> tied the lowest daily maximum, a record in existence since 1939. Several minimum temperature records were tied or broken, too. The minimum temperature at Miami on the 7<sup>th</sup> (53° F) tied a record in existence since 1907. Later in the month, several daily maximum temperature records were set (Appendix).

Table 1. November average temperatures and departures from normal (° F) for selected cities.

Station	Average Temperature	Departure from Normal
Pensacola	61.8	1.1
Tallahassee	59.0	-1.4
Jacksonville	60.7	-1.0
Orlando	67.7	-1.1
Tampa	69.3	0.0
Miami	73.8	-0.6
Key West	74.7	-1.6

**November rainfall totals near normal in most areas.** Rainfall totals for November were near normal in most areas of the state (Table 2). In contrast, the monthly total of 7.33 inches recorded at Pensacola was nearly three inches above normal. A daily amount of 3.34 inches at Pensacola on the 3<sup>rd</sup> was a primary factor in the monthly total being above normal. Two daily rainfall records were set during the month. On the 16<sup>th</sup>, 2.22 inches of rain broke the record of 1.05 in that occurred in 1957. An amount of 0.78 inch at Key West on the 26<sup>th</sup> broke the record of 0.61 inch that occurred in 1987. Monthly departures from normal November rainfall are depicted in Figure 1. While Panhandle areas were near or slightly above normal, an area along the south-central coast was more than four inches below normal.

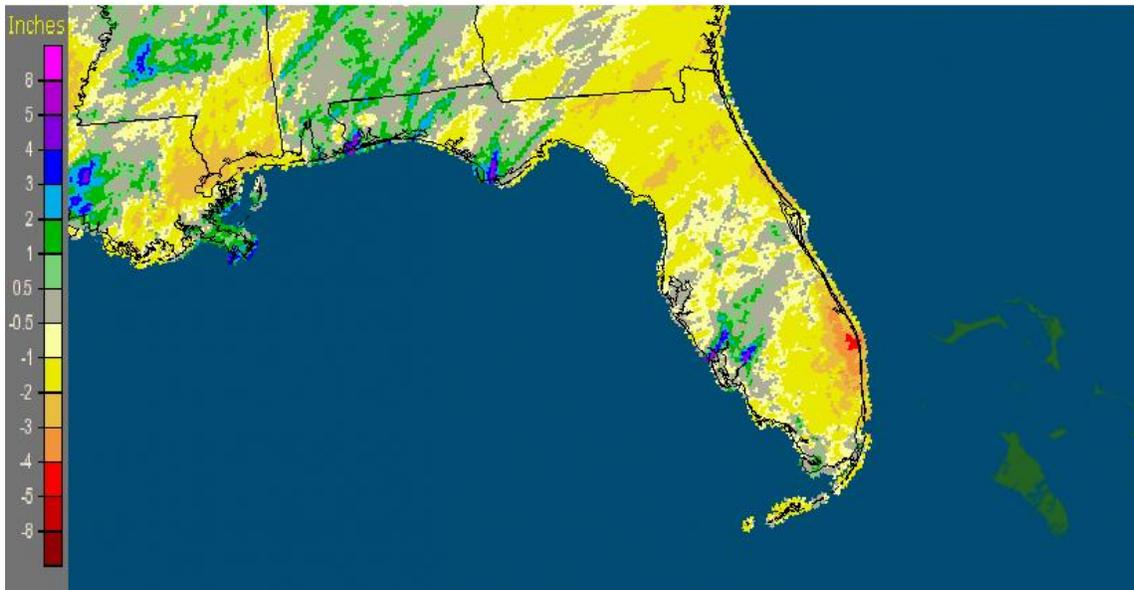


Table 2. November precipitation totals and departures from normal (inches) for selected cities.

Station	Total rainfall	Departure from Normal
Pensacola	7.33	2.87
Tallahassee	3.90	0.04
Jacksonville	1.30	-1.04
Orlando	1.68	-0.64
Tampa	2.06	0.44
Miami	2.35	-1.08
Key West	2.93	0.29

Figure 1. A graphical depiction of the monthly rainfall departure from normal (inches) for November is given in the figure below (courtesy of NOAA, NWS).

Florida: November, 2010 Monthly Departure from Normal Precipitation  
Valid at 12/1/2010 1200 UTC- Created 12/1/10 17:50 UTC



**La Nina continues during November.** Sea surface temperatures in the equatorial Pacific Ocean continued below normal during November, denoting a continued cold phase of ENSO, or La Nina. As a very active Atlantic hurricane season came to an end, no tropical cyclones affected the state during November.

**Hazardous weather.** No tornadoes were observed during the month. Only isolated severe local storms occurred. On the 2<sup>nd</sup>, golf-ball-sized hail fell near Pensacola. On the 15<sup>th</sup>, trees and power lines were downed by thunderstorm winds near Monticello. All areas of the state except the extreme southeast and Keys continued to experience drought conditions during November. Two areas, along the upper east coast and near the central east coast, reached extreme drought conditions by the end of the month. Although drought conditions eased somewhat in the Panhandle during November, areas near the borders of Alabama and Georgia still have moderate to severe drought conditions.

**Agricultural and other impacts.** Planting of cool season forage was delayed due to low soil moisture. Cattle producers continued to use hay as supplemental feed due to slowness of pasture growth. Frost and freezing temperatures in northern areas ended late vegetable production. Cooler weather aided strawberry development in west-central areas. By the end of the month citrus areas in Broward and Indian River Counties had reached extreme drought conditions.

**Appendix**  
**Temperature Records (° F) Tied or Broken during November (compiled from NWS)**

<b>Date</b>	<b>Location</b>	<b>Record</b>	<b>Tied/Broken</b>	<b>Max/Min</b>	<b>Previous Record</b>
5	Ft. Lauderdale	72	Broken	Max	73 in 1985
6	Orlando	63	Broken	Max	66 in 1953
6	St. Petersburg	62	Tied	Max	62 in 1939
6	W. Palm Beach	67	Broken	Max	69 in 1969
6	Ft. Myers	67	Tied	Max	67 in 1954
6	Miami	67	Broken	Max	70 in 1954
6	Naples	67	Broken	Max	72 in 1969
6	Key West	68	Broken	Max	70 in 1970
7	Melbourne	68	Tied	Max	68 in 1953
7	Daytona Beach	41	Tied	Min	41 in 1976
7	Miami	53	Tied	Min	53 in 1907
7	Miami Beach	55	Broken	Min	56 in 1969
7	Key West	71	Broken	Max	72 in 1969
9	Vero Beach	45	Broken	Min	46 in 1991
16	Melbourne	85	Tied	Max	85 in 1998
16	Vero Beach	87	Broken	Max	85 in 1989
26	Apalachicola	79	Tied	Max	79 in 1985
29	Daytona Beach	71	Broken	Min	70 in 1986
29	Tampa	86	Broken	Max	85 in 1985
30	Jacksonville	84	Tied	Max	84 in 1991