

Hurricane Irene Preliminary Summary October 16, 1999

National Hurricane Center Hurricane Irene Summary

HIGHEST WIND, in Knots. Speed is expressed as DDFF, where first two digits represent speed direction and last two is speed. For example, 3520 means wind was from north (350 degrees) at 20 knots.

LOCATION	SUSTAINED	DATE/TIME	PEAK	DATE/TIME	Notes:
ORLANDO (MCO)	0133	16/1553Z	0142	16/1553Z	ASOS SITE
DAYTONA BEACH	0236	16/1753Z	0149	16/1853Z	ASOS SITE
VERO BEACH	0539	16/0910Z	0362	16/1252Z	
MELBOURNE	0247	16/1323Z	0359	16/1323Z	ASOS SITE Not Commissioned
MELBOURNE SHUTTLE LANDING SITE	0240	16/1050Z	0258 0462	16/1050Z 16/1550Z	NWS Office
PATRICK AFB	0350	16/1048Z	0359	16/1100Z	ASOS SITE Not Maintained
FT. PIERCE	0337	16/0753Z	0745	16/0553Z	ASOS SITE
BUOY 41009	0445	16/1100Z	0460	16/1100Z	28.5N 80.2W

Data Quality Notes:

Patrick AFB ASOS site is from a site which is neither commissioned nor properly maintained, and so the data is not official.

Melbourne ASOS site is likely to be reliable, but the site is not commissioned, and not official.

Click [here](#) for more information on ASOS.

LOWEST PRESSURE

STATION	MILLIBARS	DATE/TIME
ORLANDO (MCO)	1000.2	16/2053Z
DAYTONA BEACH	997.2	16/2353Z
MELBOURNE (ASOS)	993.9	16/1650Z
FT. PIERCE	989.1	16/1053Z
BUOY 41009	984.8	16/0900Z

RAINFALL...(entire event)

ORLANDO (MCO)	1.70 INCHES
SANFORD (SFB)	3.75 INCHES (estimated)
MELBOURNE (MLB)	5.36 INCHES
DAYTONA BEACH (DAB)	3.87 INCHES

STORM TIDES...

TIDE GAUGE AT THE PORT CANAVERAL ENTRANCE REPORTED A SURGE OF 2 TO 2.5 FEET.

BEACH EROSION...

SIGNIFICANT WAVE ACTION BATTERED AN ALREADY WEAK DUNE LINE AND PRODUCED SUBSTANTIAL BEACH EROSION ONCE AGAIN. IN MARTIN COUNTY FROM 4 TO 8 FEET OF BEACH FRONT WAS LOST WITH AN ESTIMATED COST OF 4 MILLION DOLLARS. OTHER DOLLAR ESTIMATES INCLUDE 8 MILLION IN BREVARD COUNTY, 7 MILLION IN VOLUSIA COUNTY, AND 2 MILLION IN SAINT LUCIE COUNTY.

FLOODING...

WITH ABOUT 9 INCHES OF RAINFALL OVER MARTIN COUNTY, THEY REPORTED FROM 3 TO 4 FEET OF WATER COVERING MOST ROADS IN THE SOUTH PART OF THE COUNTY. ABOUT 60 HOMES WERE FLOODED. PORTIONS OF 155 ROADS WERE CLOSED DURING THE STORM. IN SAINT LUCIE COUNTY 200 HOMES WERE FLOODED. FLOODING WAS WIDESPREAD BUT MINOR IN THE REMAINING COASTAL COUNTIES.

TORNADOES...

NONE

STORM EFFECTS...IN MARTIN COUNTY 15 HOMES HAD MAJOR WIND DAMAGE AND ONE MOBILE HOME WAS DESTROYED. ABOUT 3 THOUSAND TREES WERE BLOWN DOWN. IN SAINT LUCIE COUNTY 40 HOMES RECEIVED MINOR DAMAGE AND 2 HAD MAJOR DAMAGE. BREVARD COUNTY REPORTED 1074 HOMES WITH MINOR DAMAGE AND 17 WITH MAJOR DAMAGE. ABOUT 450 MOBILE HOMES HAD MINOR DAMAGE AND 15 RECEIVED MAJOR DAMAGE. ABOUT 555 COMMERCIAL BUILDINGS HAD MINOR DAMAGE. MOST OCEAN FRONT HOTELS HAD WATER DAMAGE WHEN WIND BLEW RAIN WATER INTO WINDOWS. A LARGE BARGE BROKE FREE FROM ITS MOORING AND WAS BLOWN INTO THE US HIGHWAY 528 CAUSEWAY NEAR CAPE CANAVERAL. FLORIDA MARLIN STADIUM WAS DAMAGED. TOTAL BREVARD COUNTY DAMAGE WAS OVER 20 MILLION, SIMILAR DAMAGE OCCURRED IN VOLUSIA COUNTY WITH A TOTAL DAMAGE ESTIMATE OF 16 MILLION.