

# Hurricane Sandy

October 26-27, 2012

Hurricane Sandy moved northward from the northwest Bahamas and paralleled the Florida east coast from 190 to 240 miles offshore from Friday afternoon October 26th to early Saturday morning, on October 27th. Tropical Storm warnings were in effect for the Atlantic waters and coastal areas. The main impacts from the storm were moderate to severe beach and dune erosion from large breaking waves in vulnerable locations along the coast from Brevard to Martin county. Squalls ahead of the Hurricane brought tropical storm force gusts early on Friday October 26th, with a stronger rain band bringing heavy rainfall and tropical storm force gusts to Volusia county Friday evening.

[National Hurricane Center Post Storm Analysis](#) (large pdf)  
[Erosion/Buoy 41009 Wave Analysis](#) (pdf)





**Beach Erosion Pictures  
Brevard**



**Martin**



# Hurricane Sandy Post Tropical Cyclone Report

ACUS72 KMLB 012238  
PSHMLB

POST TROPICAL CYCLONE REPORT...HURRICANE SANDY  
NATIONAL WEATHER SERVICE MELBOURNE FL  
638 PM EDT THU NOV 1 2012

NOTE: THE DATA SHOWN HERE ARE PRELIMINARY....AND SUBJECT TO UPDATES  
AND CORRECTIONS AS APPROPRIATE.

THIS REPORT INCLUDES EVENTS OCCURRING WHEN WATCHES AND/OR WARNINGS  
WERE IN EFFECT...OR WHEN SIGNIFICANT FLOODING ASSOCIATED WITH SANDY  
OR ITS REMNANTS WAS AFFECTING THE AREA.

COUNTIES INCLUDED...VOLUSIA...BREVARD...INDIAN RIVER...ST. LUCIE...  
AND MARTIN.

## A. LOWEST SEA LEVEL PRESSURE/MAXIMUM SUSTAINED WINDS AND PEAK GUSTS

METAR OBSERVATIONS...

NOTE: ANEMOMETER HEIGHT IS 10 METERS AND WIND AVERAGING IS 2 MINUTES

LOCATION	ID	MIN	DATE/	MAX	DATE/	PEAK	DATE/
LAT	LO	PRES	TIME	SUST	TIME	GUST	TIME
DEG	DECIMAL	(MB)	(UTC)	(KT)	(UTC)	(KT)	(UTC)

KDAB-DAYTONA BEACH INTL, FL							
29.17	-81.07	998.9	27/0934	030/033	26/2351	030/043	26/2351

KFPR-FORT PIERCE/ST LUCIE CO INTL, FL							
27.49	-80.36	996.8	27/0901	070/023	26/0416	070/035	25/2235

KLEE-LEESBURG INTL, FL							
28.82	-81.81	1001.6	27/1011	030/026	26/1744	030/036	26/1731

KMLB-MELBOURNE INTL, FL							
28.10	-80.64	996.8	27/0905	030/036	26/1310	050/049	26/1305

KMCO-ORLANDO INTERNATIONAL, FL							
28.42	-81.32	999.6	27/0934	350/032	26/2011	350/040	26/2010

KORL-ORLANDO EXECUTIVE, FL							
28.55	-81.33	1000.2	27/0842	360/027	26/1954	360/038	26/1953

KSFB-ORLANDO/SANFORD, FL							
28.78	-81.24	999.6	27/0937	030/029	26/1646	030/037	26/1645

KVRB-VERO BEACH, FL							
27.65	-80.41	996.8	27/0946	010/030	26/2040	030/046	26/1345

KOBE-OKEECHOBEE COUNTY AP, FL							
27.26	-80.85	9999.0	/	300/020	27/1635	300/025	27/1635

KCOF-PATRICK AFB/COCOA, FL							
28.23	-80.60	997.6	27/0717	020/033	26/1814	030/048	26/1258

KSUA-WITHAM FIELD/STUART, FL							
27.18	-80.22	9999.0	/	300/020	27/1547	300/030	27/1447

KTIX-SPACE COAST REGIONAL/TITUSVILLE, FL							
28.51	-80.79	9999.0	/	320/025	27/1747	020/041	26/1247

KISM-KISSIMMEE GATEWAY AP							
28.29	-81.43	9999.0	/	360/023	26/1850	360/031	26/2050

KXMR-CAPE CANAVERAL AFS SKID STRIP  
 28.46 -80.56 996.6 27/0855 350/024 27/0323 320/035 27/0521

KDED-DELAND MUNICIPAL AIRPORT  
 29.06 -81.28 9999.0 / I 350/021 27/0035 350/030 27/0055

KTTS-SHUTTLE LANDING FACILITY  
 28.61 -80.69 1001.4 26/2155 050/031 26/1809 070/042 26/1811

REMARKS:

NON-METAR OBSERVATIONS...

NOTE: ANEMOMETER HEIGHT IN METERS AND WIND AVERAGING PERIOD IN MINUTES INDICATED UNDER MAXIMUM SUSTAINED WIND IF KNOWN

LOCATION	ID	MIN	DATE/	MAX	DATE/	PEAK	DATE/
LAT LON		PRES	TIME	SUST	TIME	GUST	TIME
DEG DECIMAL		(MB)	(UTC)	(KT)	(UTC)	(KT)	(UTC)
XCCO-COCA BEACH PIER							
28.37 -80.60				I 030/034	26/1325	030/045	26/1325
XSTL-ST LUCIE PLANT							
27.34 -80.24				I 050/039	26/0415	040/051	26/0410
XHOB-HOBE SOUND							
27.05 -80.16				I 350/025	26/2040	020/043	26/0805
XNSB-NEW SMYRNA BEACH							
29.05 -80.90				I 360/037	27/0330	360/048	27/0330
XJEN-JENSEN BEACH							
27.22 -80.20				I 010/034	26/2030	030/045	26/1255

REMARKS:

B. MARINE OBSERVATIONS...

NOTE: ANEMOMETER HEIGHT IN METERS AND WIND AVERAGING PERIOD IN MINUTES INDICATED UNDER MAXIMUM SUSTAINED WIND IF KNOWN

LOCATION	ID	MIN	DATE/	MAX	DATE/	PEAK	DATE/
LAT LON		PRES	TIME	SUST	TIME	GUST	TIME
DEG DECIMAL		(MB)	(UTC)	(KT)	(UTC)	(KT)	(UTC)
TRDF1-TRIDENT PIER							
28.41 -80.59				I 310/024	27/1442	020/035	26/1424
41009-20 NM E CAPE CANAVERAL							
28.50 -80.18 993.3 27/0850				030/041	27/0020	030/051	27/0020
41010-120 ENE CAPE CANAVERAL							
28.91 -78.47 981.4 27/0920				320/054	27/1250	310/068	27/1420

REMARKS: PEAK SEAS: BUOY 41010, 31 FT AT 27/0850. BUOY 41009, 27 FT AT 26/2350. BUOY 41114, 18 FT AT 26/2336. BUOY 41113, 10 FT AT 26/1645.

C. STORM TOTAL RAINFALL FROM 1200 UTC OCT 25 UNTIL 1200 UTC OCT 28

CITY/TOWN	COUNTY	ID	RAINFALL
LAT LON			(IN)
DEG DECIMAL			



1 NE DAYTONA BEACH INTL 29.19 -81.06	COASTAL VOLUSIA COU DIAF1		4.30
2 NNW SCOTTSMOOR 28.78 -80.88	COASTAL VOLUSIA COU SCMF1		3.58
2 SW SUNTREE 28.20 -80.70	SOUTHERN BREVARD CO FL-BV-25		3.27
1 N CHULUOTA 28.65 -81.12	SEMINOLE	FL-SM-8	2.52
1 WSW SUNTREE 28.21 -80.70	SOUTHERN BREVARD CO FL-BV-16		2.51
1 WSW ROCKLEDGE 28.31 -80.75	SOUTHERN BREVARD CO FL-BV-13		2.45
3 NE EDGEWATER 28.99 -80.87	COASTAL VOLUSIA COU FL-VL-20		2.43
2 NE LAKE MARY JANE 28.40 -81.16	ORANGE	WELF1	2.42
1 WNW MIMS 28.66 -80.86	NORTHERN BREVARD CO FL-BV-40		2.25
1 NE ROCKLEDGE 28.33 -80.72	BREVARD	FL-BV-39	2.20
2 S EAU GALLIE 28.10 -80.64	SOUTHERN BREVARD CO KMLB		1.66
1 ESE DAYTONA BEACH INTL 29.18 -81.05	COASTAL VOLUSIA COU KDAB		1.56
SAINT LUCIE AIRPORT 27.49 -80.37	ST. LUCIE	KFPR	1.33
1 SSW GIFFORD 27.65 -80.42	INDIAN RIVER	KVRB	1.03
1 SSW MIDWAY 28.77 -81.24	SEMINOLE	KSFB	0.98
2 W AZALEA PARK 28.54 -81.33	ORANGE	KORL	0.48
ORLANDO INTERNATIONAL AI 28.42 -81.31	ORANGE	KMCO	0.30
3 WSW BASSVILLE PARK 28.82 -81.81	NORTHERN LAKE COUNT KLEE		0.04

REMARKS:

D. INLAND FLOODING...

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NONE.  
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E. MAXIMUM STORM SURGE AND STORM TIDE...  
OFFICIAL TIDE GAUGES NOTED WITH LEADING G

COUNTY	CITY/TOWN OR LOCATION	SURGE (FT)	TIDE (FT)	DATE/ TIME	BEACH EROSION
BREVARD	G TRIDENT PIER	2.28	3.80	28/1054	MODERATE

REMARKS: NAVD88 DATUM. MODERATE TO MAJOR BEACH EROSION OCCURRED FROM BREVARD COUNTY SOUTH TO MARTIN COUNTY. MINOR TO A FEW SPOTS OF MODERATE BEACH EROSION OCCURRED WITHIN VOLUSIA COUNTY. SEE SECTION G BELOW FOR ADDITIONAL BEACH EROSION AND COASTAL FLOODING IMPACTS.

F. TORNADOES...

(DIST) CITY/TOWN LAT LON (DEG DECIMAL DESCRIPTION	COUNTY	DATE/ TIME (UTC)	EF SCALE (IF KNOWN)
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NONE.

G. STORM IMPACTS BY COUNTY...

COUNTY DESCRIPTION	DEATHS	INJURIES	EVACUATIONS
VOLUSIA	0	0	0

MAINLY MINOR BEACH EROSION, WITH A FEW SPOTS OF MODERATE EROSION. A FEW DUNE WALKOVERS AND A BOAT RAMP EXPERIENCED STRUCTURAL DAMAGE. PRELIMINARY TOTAL DAMAGE ESTIMATE: LESS THAN \$50,000.

BREVARD	0	0	0
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MODERATE TO MAJOR BEACH EROSION, WITH APPROXIMATELY 17 STRUCTURES IN DANGER OR THREATENED BY ADDITIONAL SHORT-TERM EROSION. OF THESE 17 STRUCTURES, TWO ARE MULTI-FAMILY BUILDINGS AND TWO ARE BUSINESSES. SEVEN OF THE STIES EXPERIENCED STRUCTURAL DAMAGE TO THE PRIMARY STRUCTURE OR TO ATTACHED PATIOS OR POOLS. SEVERAL BEACH CROSSOVERS AND LIFEGUARD TOWERS WERE ALSO DAMAGED, AS WELL AS A BOAT RAMP. PRELIMINARY TOTAL DAMAGE ESTIMATE: \$25 MILLION.

INDIAN RIVER	0	0	0
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MODERATE TO MAJOR BEACH EROSION. SEVERAL BEACH CROSSOVERS AND A LIFEGUARD TOWER DAMAGED. WATER AND SAND WASHED ONTO ONE COASTAL ROAD. PRELIMINARY TOTAL DAMAGE ESTIMATE: \$10.5 MILLION.

ST. LUCIE	0	0	0
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MODERATE TO MAJOR BEACH EROSION. SAND OVER-WASHED TWO BEACH ACCESS PARKING AREAS AND EROSION DAMAGED THE FOUNDATION OF A PUMP STATION. PRELIMINARY TOTAL DAMAGE ESTIMATE: \$4.2 MILLION.

MARTIN	0	0	0
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MODERATE TO MAJOR BEACH EROSION. EROSION CAUSED DAMAGE TO TWO HOMES AND WASHED SAND AND DEBRIS ACROSS A COASTAL ROADWAY, TEMPORARILY ISOLATING RESIDENTS. SEVERAL PIERS, BOARDWALKS AND RETAINING WALLS DAMAGED. PRELIMINARY TOTAL DAMAGE ESTIMATE: \$6.3 MILLION.

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LEGEND:

I-INCOMPLETE DATA  
E-ESTIMATED

VOLKMER/BOWEN/DIETZMANN/CARTWRIGHT/SPRATT