

POST TROPICAL CYCLONE REPORT...HURRICANE IRENE...UPDATED
 NATIONAL WEATHER SERVICE CHARLESTON SC
 1026 AM EDT WED AUG 31 2011

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 FOR IRENE.

COUNTIES INCLUDED...CHARLESTON...BERKELEY...DORCHESTER...COLLETON...
 BEAUFORT...JASPER...HAMPTON...ALLENDALE...CHATHAM...EFFINGHAM...
 SCREVEN...JENKINS...BULLOCH...BRYAN...LIBERTY...EVANS...CANDLER...
 TATTNALL...LONG...MCINTOSH

AUG 31...UPDATED FOR...CLARIFICATION AND CONSOLIDATION OF STORM
 EFFECTS FOR CHARLESTON DUE TO ELEVATED TIDES AND BEACH EROSION.

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	Lon	PRES	TIME	SUST	TIME	GUST	TIME
DEG	DECIMAL	(MB)	(UTC)	(KT)	(UTC)	(KT)	(UTC)

KCHS-CHARLESTON INTL AIRPORT SC							
32.91	-80.03	1003.2	26/1956	060/023	26/1514	060/036	26/1511

KNBC-BEAUFORT MARINE CORPS AIR STATION SC							
32.48	-80.72	1002.0	27/0856	360/019	26/2028	320/032	26/1728

KARW-BEAUFORT COUNTY AIRPORT SC							
32.41	-80.63	9999.0		350/023	26/2035	020/041	26/1835

KSAV-SAVANNAH INTL AIRPORT GA							
32.12	-80.20	1003.3	27/0853	360/020	26/1853	340/030	26/1812

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)

PNOS1-PINOPOLIS ON LAKE MOULTRIE							
33.25	-80.03	995.9	27/0640	070/025	26/1810	040/033	26/1820
				10			
FJXS1-FORT JOHNSON NERRS SC-DNR							
32.75	-79.90	999.6	27/0745	345/032	26/2230	350/044	26/2326
				UNK			
KCHL-CHARLESTON DOWNTOWN							
32.78	-79.93			020/027	26/1318	040/043	26/1358
				10			

REMARKS: WIND DATA ARE FROM 10 MINUTE AVERAGES EXCEPT FOR FORT JOHNSON...WHICH WAS FROM A 15 MINUTE AVERAGE.

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)

FBIS1-FOLLY BEACH C-MAN							
32.69	-79.89	999.0	27/0700	030/028	26/1500	030/048	26/1300
				10			
41004-NDBC EDISTO BUOY							
32.50	-79.10	991.6	26/2350	020/044	26/1650	344/056	26/2157
				5			
41008-NDBC GRAYS REEF BUOY							
31.40	-80.87	1003.4	26/2150	360/031	26/1700	040/043	26/1038
				5			
CHTS1-CHARLESTON TIDE NOAA/NOS							
32.78	-79.93	998.6	27/0724	015/030	26/1648	040/040	26/1454
				UNK			

REMARKS: THE FOLLY BEACH OBSERVATION-FBIS1-WIND DATA WAS FROM 8 MINUTE AVERAGES. ALL OTHER OBSERVATIONS WERE COMPUTED FROM 10 MINUTE AVERAGES.

C. STORM TOTAL RAINFALL FROM 1200 UTC AUG 26 UNTIL 1200 UTC AUG 27

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

1 S MCCLELLANVILLE	CHARLESTON		1.80

33.08 -79.46

1 S MCCLELLANVILLE CHARLESTON 1.69
33.08 -79.46

JAMES ISLAND CHARLESTON 1.30
32.73 -79.93

1 SW STALLSVILLE DORCHESTER 1.10
32.99 -80.19

2 SW MOUNT HOLLY BERKELEY 1.10
33.02 -80.06

REMARKS: DATA RECEIVED VIA COCORAHS AND GENERAL PUBLIC.

D. INLAND FLOODING...

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
CHARLESTON	G CHARLESTON	1.73	7.64	26/2336	MODERATE
CHATHAM	G FORT PULASKI	1.15	9.11	26/2300	UNKNOWN

REMARKS: STORM TIDES WERE RELATIVE TO MEAN LOWER LOW WATER - MLLW. THE TOTAL TIDE WAS 7.64 FEET MLLW IN CHARLESTON HARBOR AND 9.11 MLLW NEAR SAVANNAH. MANY STREETS WERE FLOODED IN DOWNTOWN CHARLESTON AND SOME WERE POSSIBLY CLOSED FOR A FEW HOURS DURING HIGH TIDE ON THE EVENING OF AUGUST 26. REPORTS OF BEACH EROSION MAINLY COVERED SOUTH CAROLINA...BUT THERE WERE SOME INDICATION BY LOCAL MEDIA THAT THERE WAS SOME EROSION ON TYBEE ISLAND...NEAR SAVANNAH GEORGIA. FOR SOUTH CAROLINA...THE AMOUNT OF EROSION WAS VARIABLE...BUT THERE WERE SOME REPORTS FROM THE LOCAL MEDIA THAT THERE WAS SIGNIFICANT BEACH EROSION AT THE COUNTY PARK ON FOLLY BEACH AND PORTIONS OF EDISTO AND SULLIVANS ISLANDS.

F. TORNADOES...

(DIST) CITY/TOWN LAT LON (DEG DECIMAL) DESCRIPTION	COUNTY	DATE/ TIME (UTC)	EF SCALE (IF KNOWN)
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G. STORM IMPACTS BY COUNTY...

COUNTY DESCRIPTION	DEATHS	INJURIES	EVACUATIONS
CHARLESTON	0	0	0
TROPICAL STORM WIND GUST IN A RAIN BAND KNOCKED DOWN POWER LINES ON FOLLY BEACH. 2600 PEOPLE WITHOUT POWER AND A ROAD CLOSED.			
CHARLESTON	0	0	0
TREE BLOWN DOWN NEAR INTERSTATE 526 AND PAUL CANTRELL BLVD. TIME ESTIMATED BY RADAR			
CHARLESTON	0	0	0
TREE FELL ON A VEHICLE ON GRIFFITH BLVD AND RIVERLAND DRIVE. PEOPLE TRAPPED IN THE VEHICLE			
CHARLESTON	0	0	0
NATIONAL WEATHER SERVICE EMPLOYEE REPORTED BREAKING WAVES AS HIGH AS 10 FEET AT ISLE OF PALMS.			
CHARLESTON	0	0	0
HIGH SURF UNDERMINED SEVERAL HOMES ON SULLIVANS ISLAND.			
CHARLESTON	0	0	0
HIGH SURF BREACHED DUNES AND ROCKS ON FOLLY BEACH AND Poured ONTO ROADWAYS.			
COLLETON	0	0	0
FIRE CHIEF REPORTS BREAKING WAVES OF 10 TO 12 FEET AT EDISTO BEACH. SALT WATER AND SAND ARE NOW COVERING PORTIONS OF PALMETTO BLVD BETWEEN THE 100 AND 200 BLOCKS.			
CHARLESTON	0	0	0
SIGNIFICANT EROSION IS ONGOING ACROSS FOLLY BEACH. WATER ERODING DUNE LINES.			
CHARLESTON	0	0	0
HALF OF A LARGE TREE BLOWN DOWN NEXT TO A HOUSE. REPORT RELAYED VIA TWITTER.			
CHATHAM	0	0	0

TYBEE ISLAND OCEAN RESCUE ESTIMATING A LOSS OF 10 TO 15 FEET OF BEACH. REPORT RELAYED BY LOCAL MEDIA.

CHARLESTON 0 0 0

MANY STREETS IN DOWNTOWN CHARLESTON WERE FLOODED DUE TO ELEVATED TIDES DURING THE EVENING HIGH TIDE ON AUGUST 26. SOME OF THE STREETS MAY HAVE BEEN CLOSED FOR A FEW HOURS.

CHATHAM 0 0 0

LIFEGUARDS REPORT AT LEAST 15 RIP CURRENT RELATED RESCUES THROUGH THE DAY.

BERKELEY 0 0 0

ONE TREE UPROOTED AND ONE TREE SNAPPED OFF IN THE HAMLET SUBDIVISION OF CROWFIELD PLANTATION

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LEGEND:

I-INCOMPLETE DATA

E-ESTIMATED