

ACUS72 KCHS 012204
PSHCHS

POST TROPICAL CYCLONE REPORT...HURRICANE ERNESTO
NATIONAL WEATHER SERVICE CHARLESTON SC
604 PM EDT FRI SEP 1 2006

TROPICAL DEPRESSION FIVE FORMED ON AUGUST 24 OVER THE EASTERN CARIBBEAN SEA. TD FIVE THEN BECAME TROPICAL STORM ERNESTO ON AUGUST 25 BEFORE BRIEFLY GAINING HURRICANE STRENGTH ON AUGUST 27 SOUTH OF HAITI. ERNESTO WEAKENED BACK INTO A TROPICAL STORM LATER THAT DAY AS IT INTERACTED WITH THE HAITIAN AND CUBAN LANDMASSES. THE STORM THEN MOVED OFF THE NORTHERN CUBAN COAST BEFORE MAKING TWO LANDFALLS IN SOUTH FLORIDA...INCLUDING ONE IN THE FLORIDA KEYS. HURRICANE WATCHES WERE ISSUED FOR OUR ENTIRE COASTLINE ON THE EVENING OF AUGUST 29. THE HURRICANE WATCH WAS THEN UPGRADED TO A TROPICAL STORM WARNING UP TO THE SAVANNAH RIVER ON THE MORNING OF AUGUST 30. THE TROPICAL STORM WARNING WAS THEN EXTENDED NORTH TO CAPE FEAR NORTH CAROLINA LATER THAT AFTERNOON AS ERNESTO WAS WEAKENING INTO A TROPICAL DEPRESSION OVER LAND. THE STORM THEN MOVED OFF THE EAST-CENTRAL FLORIDA COAST LATE ON AUGUST 30 AND EARLY ON AUGUST 31 AND STRENGTHENED INTO A TROPICAL STORM AGAIN. ERNESTO CONTINUED TO INTENSIFY AS IT MOVED NORTH-NORTHEAST OVER THE ATLANTIC OCEAN AND PASSED ABOUT 70 MILES OFF THE COAST OF CHARLESTON. THE TROPICAL STORM WARNING WAS DROPPED SOUTH OF SAVANNAH ON THE AFTERNOON OF AUGUST 31 AND THEN FOR THE REMAINDER OF OUR SOUTH CAROLINA COAST LATER THAT DAY.

THIS REPORT INCLUDES THE FOLLOWING COUNTIES IN SOUTH CAROLINA...ALLENDALE...BEAUFORT...BERKELEY...CHARLESTON...COLLETON...DORCHESTER...HAMPTON AND JASPER. THIS REPORT INCLUDES THE FOLLOWING COUNTIES IN GEORGIA...BRYAN...BULLOCH...CANDLER...CHATHAM...EFFINGHAM...EVANS...JENKINS...LIBERTY...LONG...MCINTOSH...SCREVEN AND TATTNALL.

A. HIGHEST WINDS...

OFFICIAL SITES...NWS/FAA...
CHARLESTON SC AIRPORT /CHS/...
MAX 2 MIN 22 KT FROM 360 DEGREES AT 1754 UTC ON 8/31/06
PEAK 28 KT FROM 010 DEGREES AT 1754 UTC ON 8/31/06

SAVANNAH GA AIRPORT /SAV/...
MAX 2 MIN 16 KT FROM 330 DEGREES AT 1820 UTC ON 8/31/06
PEAK 22 KT FROM 340 DEGREES AT 1810 UTC ON 8/31/06

OFFICIAL COASTAL/MARINE SITES...NDBC/CMAN/NAVY...
NDBC 41004 EDISTO BUOY...
8 MIN AVG 41 KT FROM 325 DEGREES AT 2200 UTC ON 8/31/06
PEAK 54 KT FROM 320 DEGREES AT 2153 UTC ON 8/31/06

NDBC 41008 GRAYS REEF BUOY...
8 MIN AVG 26 KT FROM 310 DEGREES AT 1610 UTC ON 8/31/06
PEAK 31 KT FROM 020 DEGREES AT 1247 UTC ON 8/31/06 AND FROM 310 DEGREES AT 1611 UTC ON 8/31/06

CMAN FBIS1 FOLLY BEACH...

10 MIN AVG 25 KT FROM 060 DEGREES AT 1400 AND 1410 UTC ON
8/31/06
PEAK 32 KT FROM 360 DEGREES AT 1929 UTC ON 8/31/06 AND FROM 010
DEGREES AT 2010 UTC ON 8/31/06

SABSOON NAVY R2 TOWER /SPAG1/...50 METERS...
8 MIN AVG 33 KT FROM 340 DEGREES AT 1400 UTC AND 1700 UTC ON 8/31/06
PEAK 37 KT AT 1400/1500/1700/1800 UTC ON 8/31/06

SABSOON NAVY M2R6 TOWER /SKMG1/...50 METERS...
8 MIN AVG 37 KT FROM 290 DEGREES AT 1932 UTC ON 8/31/06
PEAK 41 KT AT 1532 AND 1832 UTC ON 8/31/06

UNOFFICIAL SITES...
DOWNTOWN CHARLESTON SC /CHL/...
SUSTAINED 10 MIN AVG 24 KT FROM 357 DEGREES AT 1928 UTC ON 8/31/06
PEAK 31 KT FROM 347 DEGREES AT 1828 UTC ON 8/31/06

EAST COOPER SC AIRPORT /8S5/...
PEAK 31 KT ON 8/31/06 - NO TIME OR DIRECTION AVAILABLE

CHARLESTON SC EXECUTIVE AIRPORT /JZI/...
PEAK 28 KT ON 8/31/06 - NO TIME OR DIRECTION AVAILABLE

PINEVILLE SC...
10 MIN AVG 19 KT FROM 330 DEGREES AT 0130 UTC ON 9/1/06 AND FROM 330
DEGREES AT 0140 UTC ON 9/1/06
PEAK 26 KT FROM 330 DEGREES AT 0150 UTC ON 9/1/06

WALTERBORO SC...
PEAK 17 KT FROM 360 DEGREES AT 2100 UTC ON 8/31/06

METTER GA...
PEAK 18 KT FROM 290 DEGREES AT 1751 UTC ON 8/31/06

B. LOWEST PRESSURES...

OFFICIAL SITES...
CHARLESTON SC AIRPORT /CHS/...1004.1 MB AT 2053 UTC ON 8/31
SAVANNAH GA AIRPORT /SAV/...1007.1 MB AT 2102 UTC ON 8/31
NDBC 41004...995.6 MB AT 1950 UTC ON 8/31
NDBC 41008...1004.9 MB AT 1050 UTC ON 8/31
CMAN FBIS1...1003.6 MB AT 2000 UTC ON 8/31

UNOFFICIAL SITES...
CARO-COOPS /CAP1/...1002.0 MB AT 2142 UTC ON 8/31
CARO-COOPS /FRP1/...1009.2 MB AT 2012 UTC ON 8/31

C. RAINFALL TOTALS...

SOUTH CAROLINA

OFFICIAL SITES...
CHARLESTON AIRPORT /CHS/..... 2.61 INCHES

UNOFFICIAL SITES...
MOUNT PLEASANT /SNEE FARM/..... 6.82 INCHES

MCCLELLANVILLE.....	6.35	INCHES	
DANIEL ISLAND.....	4.50	INCHES	++
JOHNS ISLAND.....	3.35	INCHES	
USGS /MOORES LANDING NEAR SEEWEE/....	3.00	INCHES	
GOOSE CREEK /NAVAL WEAPONS STN/.....	3.00	INCHES	
WEST ASHLEY /WCSC TV/.....	2.96	INCHES	
MOUNT PLEASANT /RIFLE RANGE RD/.....	2.90	INCHES	
MOUNT PLEASANT /WCBD TV/.....	2.83	INCHES	
MOUNT PLEASANT /SEASIDE FARM/.....	2.80	INCHES	
JAMES ISLAND.....	2.69	INCHES	
ISLE OF PALMS.....	2.52	INCHES	
WITHERBEE RAWS.....	2.34	INCHES	
DOWNTOWN CHARLESTON /CHL/.....	2.24	INCHES	
FORT MOULTRIE.....	2.12	INCHES	
GOOSE CREEK.....	2.04	INCHES	
SUMMERVILLE.....	2.00	INCHES	
FOLLY BEACH CITY HALL.....	1.70	INCHES	+
EDISTO BEACH.....	1.44	INCHES	
MONCKS CORNER.....	1.28	INCHES	+
SEABROOK ISLAND.....	1.05	INCHES	
GIVHANS.....	0.86	INCHES	
RIDGEVILLE.....	0.83	INCHES	
BEAUFORT.....	0.47	INCHES	+
HILTON HEAD.....	0.46	INCHES	+
BLUFFTON.....	0.29	INCHES	
PRITCHARDVILLE.....	0.22	INCHES	

++ THROUGH MID AFTERNOON 8/31

+ THROUGH 730 PM 8/31

GEORGIA

OFFICIAL SITES...

SAVANNAH AIRPORT /SAV/..... 0.41 INCHES

UNOFFICIAL SITES...

MIDWAY /RAWS/..... 0.99 INCHES

SKIDAWAY ISLAND..... 0.86 INCHES

EDEN /USGS/..... 0.59 INCHES

TYBEE ISLAND..... 0.50 INCHES

FORT PULASKI..... 0.47 INCHES

PORT WENTWORTH..... 0.44 INCHES

D. STORM TIDES...

SOUTH CAPERS ISLAND SC HIGHEST TIDE 6.21 FT MLLW AT 1742 UTC ON
8/31/06

HIGHEST DEPARTURE...1.28 FT MLLW AT 1742 UTC ON 8/31/06

CHARLESTON HARBOR HIGHEST TIDE 6.23 FT MLLW AT 1806 UTC ON 8/31/06

HIGHEST DEPARTURE...0.88 FT MLLW AT 1806 UTC ON 8/31/06

FRIPP ISLAND SC HIGHEST TIDE 6.57 FT MLLW AT 1818 UTC ON 8/31/06

6.57 FT MLLW AT 1830 UTC ON 8/31/06

HIGHEST DEPARTURE...0.68 FT MLLW AT 1830 UTC ON 8/31/06

FORT PULASKI GA HIGHEST TIDE 7.07 FT MLLW AT 1754 UTC ON 8/31/06

7.07 FT MLLW AT 1800 UTC ON 8/31/06
HIGHEST DEPARTURE...0.94 FT MLLW AT 1242 UTC ON 8/31/06

E. BEACH EROSION...

LITTLE TO NO EROSION REPORTED.

F. FLOODING...

MINOR TO MODERATE FLOODING OCCURRED...MAINLY IN THE TRI-COUNTY CHARLESTON AREA. THE HARDEST HIT AREA WAS IN DOWNTOWN CHARLESTON WHERE NUMEROUS STREETS WERE CLOSED AS HEAVY RAINBANDS COMBINED WITH HIGH TIDE DURING THE EARLY AFTERNOON HOURS ON AUGUST 31.

G. TORNADOES...

NONE.

H. STORM EFFECTS...

VOLUNTARY EVACUATIONS WERE ISSUED FOR CHARLESTON AND COLLETON COUNTIES. NO SIGNIFICANT DAMAGE OCCURRED OVERALL.

\$\$

RJB/WMS/DPB/PAY/SBT