

ACUS72 KCHS 162342
PSHCHS

POST TROPICAL CYCLONE REPORT...HURRICANE CHARLEY
NATIONAL WEATHER SERVICE CHARLESTON SC
730 PM EDT MON AUG 16 2004

AFTER HURRICANE CHARLEY MOVED OFF THE NORTHEAST COAST OF FLORIDA
FRIDAY NIGHT...NEAR DAYTONA BEACH...CHARLEY CONTINUED TO MOVE NORTH
NORTHEAST TOWARD THE NORTH COAST OF SOUTH CAROLINA. ACCORDING TO THE
NATIONAL HURRICANE CENTER IN MIAMI...AFTER BRUSHING THE COASTLINE AT
CAPE ROMAIN IN NORTHERN CHARLESTON COUNTY...THE CENTER OF CHARLEY
MADE LANDFALL IN THE CAROLINAS JUST NORTH OF MYRTLE BEACH.

A TROPICAL STORM WATCH WAS ISSUED FOR THE ENTIRE COUNTY WARNING
AREA...FROM ALTAMAHA SOUND GEORGIA TO SOUTH SANTEE RIVER SOUTH
CAROLINA ON THE NIGHT OF THURSDAY AUGUST 12TH. THE TROPICAL STORM
WATCH WAS UPGRADED TO A HURRICANE WATCH LATE FRIDAY MORNING FROM
ALTAMAHA SOUND TO THE GEORGIA/SOUTH CAROLINA BORDER AND A TROPICAL
STORM WARNING FOR THE ENTIRE COUNTY WARNING AREA. AS HURRICANE
CHARLEY CONTINUED TO PUSH NORTH-NORTHEASTWARD...A HURRICANE WARNING
WAS ISSUED FOR THE ENTIRE AREA.

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

A. HIGHEST WINDS...

OFFICIAL SITES...NWS OR FAA:

CHARLESTON SC AIRPORT (CHS)...
MAX 2 MINUTE 25 KT FROM 360 DEGREES AT 1322 UTC ON 8/14/04
PEAK WIND 33 KT FROM 360 DEGREES AT 1322 UTC ON 8/14/04

SAVANNAH GA AIRPORT (SAV)...
MAX 2 MINUTE 13 KT FROM 310 DEGREES AT 1143 UTC ON 8/14/04
PEAK WIND 17 KT FROM 010 DEGREES AT 1037 UTC ON 8/14/04

COASTAL WATERS:
NDBC 41004 EDISTO BUOY...
8 MINUTE AVG 43 KT FROM 160 DEGREES AT 1250 UTC ON 8/14/04
PEAK WIND 64 KT FROM 160 DEGREES AT 1250 UTC

NDBC 41008 GRAYS REEF BUOY...
8 MINUTE AVG 33 KT FROM 040 DEGREES AT 0850 UTC ON 8/14/04
PEAK WIND 43 KT FROM 040 DEGREES AT 0850 UTC ON 8/14/04

CMAN STATION:
FBIS1 FOLLY BEACH:
10 MIN AVG...WIND 41 KT FROM 070 DEGREES AT 1200 UTC ON 8/14/04
PEAK WIND 50 KT FROM 070 DEGREES AT 1200 UTC ON 8/14/04

UNOFFICIAL SITES:

DOWNTOWN CHARLESTON SOUTH CAROLINA (CHL)...
SUSTAINED 10 MIN AVG 32 KT FROM 030 DEGREES AT 1238 UTC ON 8/14/04
PEAK WIND 44 KT FROM 050 DEGREES AT 1158 UTC ON 8/14/04

PINEVILLE SC...
10 MINUTE AVG...17 KT FROM 330 DEGREES AT 1520 UTC ON 8/14/04
PEAK WIND 24 KT FROM 330 DEGREES AT 1520Z ON 8/14/04

ISLE OF PALMS SC...
SUSTAINED WIND 43 KT FROM 010 DEGREES AT 1230 UTC 8/14/04
PEAK WIND 55 KT FROM 010 DEGREES AT 1304 UTC 8/14/04

B. LOWEST PRESSURE...

OFFICIAL SITES:
CHARLESTON SC AIRPORT (CHS)...1008 MB (8/14 AT 1258 UTC)
SAVANNAH GA AIRPORT (SAV)...1012 MB (8/14 AT 1024 UTC)
NDBC 41004...1001 MB (8/14 AT 1250 UTC)
NDBC 41008...1005 MB (8/14 AT 0850 UTC)
CMAN FBIS1...1005 MB (8/14 AT 1300 UTC)
SABSOON TOWER (R2)...990 MB (50 METER OB) 8/14 AT 1305 UTC

UNOFFICIAL SITES:
ISLE OF PALMS SC...ESTIMATED 1001 MB AT 1305 UTC ON 8/14/04

C. RAINFALL (12 UTC 8/13 TO 12 UTC 8/14 TOTAL)...

CHARLESTON SC AIRPORT (CHS)... 1.02 INCHES
SAVANNAH GA AIRPORT (SAV)... 0.53 INCHES
DOWNTOWN CHARLESTON SC (CHL)... 2.09 INCHES
ISLE OF PALMS...2.00 INCHES
HAMPTON SC...1.53 INCHES
RAVENEL SC...0.45 INCHES
WALTERBORO SC...0.40 INCHES
SUMMERVILLE SC...0.24 INCHES
PINEVILLE SC...0.19 INCHES

D. STORM TIDES...

CHARLESTON HARBOR HIGHEST TIDE 5.63 FT MLLW AT 1336 UTC ON
8/14...APPROXIMATELY 2 FT STORM SURGE...WHICH OCCURRED TWO HOURS
AFTER HIGH TIDE.

OYSTER LANDING SC...NORTHERN CHARLESTON COUNTY...HIGHEST TIDE 5 FT
AT 1624 UTC ON 8/14/04. HIGHEST DEPARTURE...2.94 AT 1536...1612 AND
1618 UTC ON 8/14/04.

STORM SURGE ESTIMATED AROUND 6 FT MLLW CAPE ISLAND NEAR THE
NORTHERN TIP OF CHARLESTON COUNTY...BASED ON INFORMATION FROM U.S.
FISH AND WILDLIFE SERVICE.

E. BEACH EROSION...

FROM INFORMATION GATHERED AT THIS POINT...ONLY MINOR BEACH EROSION
OCCURRED...PRIMARILY ALONG THE CHARLESTON COAST LINE.

F. FLOODING...

GROUNDS WERE ALREADY SATURATED ALONG THE COASTAL COUNTIES FROM REMNANTS OF TROPICAL STORM BONNIE...LESS THAN 36 HOURS EARLIER. HOWEVER...BULK OF HEAVY RAIN WITH CHARLEY REMAINED OFFSHORE...EXCEPT FOR CHARLESTON COUNTY. SOME FLOODING OCCURRED IN CHARLESTON COUNTY...ESPECIALLY LOW LYING AREAS AND AREAS WITH POOR DRAINAGE.

G. TORNADOES...

NONE

H. STORM EFFECTS...

NO MANDATORY EVACUATION ORDERS WERE ISSUED. VOLUNTARY EVACUATION WAS RECOMMENDED FOR PEOPLE ON BARRIER ISLANDS IN CHARLESTON COUNTY. LESS THAN THREE THOUSAND EVACUATED THROUGHOUT COUNTY WARNING AREA AND ONLY A COUPLE OF HUNDRED WENT TO SHELTERS. NUMEROUS TREES AND LIMBS WERE DOWN IN CHARLESTON AND PORTIONS OF EASTERN BERKELEY COUNTY...IN THE FRANCIS MARION NATIONAL PARK.

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JH/ME/PM/DG/RB