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TTAA00 KCRP 241326

PRELIMINARY STORM REPORT...TROPICAL STORM CHARLEY
NATIONAL WEATHER SERVICE CORPUS CHRISTI TX
830 AM CDT MON AUG 24 1998

A. HIGHEST WINDS

NWSO CORPUS CHRISTI CRP...

HIGHEST SUSTAINED WIND: 27 KNOTS FROM 290 DEGREES AT 1040 UTC ON
8/22/98.

PEAK GUST: 32 KNOTS FROM 300 DEGREES AT 1028 UTC ON
8/22/98

NAS CORPUS CHRISTI NGP...

HIGHEST SUSTAINED WIND: 27 KNOTS FROM 320 DEGREES AT 0756 UTC ON
8/22/98

PEAK GUST: 36 KNOTS FROM 320 DEGREES AT 0752 UTC ON
8/22/98

ASOS ROCKPORT RKP...

HIGHEST SUSTAINED WIND: 36 KNOTS FROM 010 DEGREES AT 0806 UTC ON
8/22/98

PEAK GUST: 42 KNOTS FROM 360 DEGREES AT 0815 UTC ON
8/22/98

ASOS VICTORIA VCT...

HIGHEST SUSTAINED WIND: 30 KNOTS FROM 060 DEGREES AT 1122 UTC ON
8/22/98

PEAK WIND: 37 KNOTS FROM 060 DEGREES AT 1149 UTC ON
8/22/98

CMAN PORT ARANSAS PTA...

HIGHEST SUSTAINED WIND: 29 KNOTS FROM 220 DEGREES AT 1100 UTC ON
8/22/98

PEAK WIND: 36 KNOTS FROM 220 DEGREES AT 1100 UTC ON
8/22/98

NOTE...PTA CMAN OBSERVATION WAS NOT AVAILABLE AT 0900 UTC ON 8/22/98
HOWEVER...THE PEAK WIND FROM THE TCOON NETWORK AT PORT ARANSAS
WAS FROM THE NORTH AT 46 KNOTS AROUND 0700 UTC 8/22/98.

OTHER MEASURED WIND GUSTS...

ALICE ALI ASOS: 27 KNOTS FROM 320 DEGREES AT 1003 UTC 8/22/98
ARANSAS PASS : 46 KNOTS FROM NORTHWEST AT 0800 UTC 8/22/98
BIRD ISLAND : 26 KNOTS FROM THE WEST BETWEEN 0800-0900 UTC
8/22/98
COTULLA COT ASOS: 37 KNOTS FROM 340 DEGREES AT 2013 UTC 8/22/98
PORT LAVACA : 32 KNOTS (TIME AND DIRECTION UNKNOWN)
SEADRIFT : 39 KNOTS FROM NORTHEAST BETWEEN 0800-0900 UTC
8/22/98
SKIDMORE : 39 KNOTS (TIME AND DIRECTION UNKNOWN)
TYNAN : 35 KNOTS (TIME AND DIRECTION UNKNOWN)

THE PORT OCONNOR COAST GUARD RECORDED A WIND GUST OF 55 KNOTS
(DIRECTION AND TIME UNKNOWN). THIS WAS THE HIGHEST OBSERVED WIND
REPORTED.

WSR88D OBSERVATIONS...

36 TO 50 KNOTS WINDS WERE OBSERVED IN THE LOWEST LEVEL OVER SOUTHERN
BEE...SOUTHEAST LIVE OAK...AND EXTREME WESTERN SAN PATRICIO BETWEEN
1100-1300 UTC ON 8/22/98.

B. LOWEST PRESSURE...

NWSO CORPUS CHRISTI CRP...1005.8 MILLIBARS (29.70 INCHES) AT 1059 UTC
ON 8/22/98

ASOS ROCKPORT RKP.....1000.7 MILLIBARS (29.55 INCHES) AT 1059 UTC
ON 8/22/98

ASOS VICTORIA VCT.....1007.1 MILLIBARS (1007.1 INCHES) AT 1212
UTC ON 8/22/98

C. RAINFALL...

ASOS NWSO CORPUS CHRISTI...

1 HOUR: 0.27 INCHES FROM 1400-1500 UTC 8/22/98
6 HOUR: 0.39 INCHES FROM 1800-0000 UTC 8/22/98-8/23/98
12 HOUR: 0.39 INCHES FROM 1800-0600 UTC 8/22/98-8/23/98
24 HOUR: 0.42 INCHES FROM 1800-1800 UTC 8/22/98-8/23/98

NAS CORPUS CHRISTI NGP

6 HOUR: 0.05 INCHES FROM 0600-1200 UTC 8/22/98
12 HOUR: 0.07 INCHES FROM 0600-1800 UTC 8/22/98
24 HOUR: 0.07 INCHES FROM 1800-1800 UTC 8/22/98-8/23/98

ASOS ROCKPORT RKP...

1 HOUR: 1.08 INCHES FROM 0800-0900 UTC 8/22/98
6 HOUR: 2.17 INCHES FROM 0600-1200 UTC 8/22/98
12 HOUR: 2.17 INCHES FROM 0000-1200 UTC 8/22/98
24 HOUR: 2.31 INCHES FROM 1800-1800 UTC 8/22/98

ASOS VICTORIA VCT...

1 HOUR: 0.39 INCHES FROM 1400-1500 UTC 8/22/98
6 HOUR: 1.33 INCHES FROM 0600-1200 UTC 8/22/98
12 HOUR: 2.43 INCHES FROM 0600-1800 UTC 8/22/98
24 HOUR: 2.63 INCHES FROM 1800-1800 UTC 8/21/98-8/22/98

STORM TOTALS FROM OTHER LOCATIONS (24 HOUR TOTAL ENDING 1200 UTC 8/22/98)...

ALICE FSS.....0.33 INCHES	BEEVILLE 5 NE...3.30 INCHES
CORPUS CHRISTI 6S.....0.63 INCHES	GOLIAD.....2.18 INCHES
LAKE CORPUS CHRISTI...0.48 INCHES	
PADRE ISLAND NATIONAL SEASHORE...0.12 INCHES	
REFUGIO 7N.....3.70 INCHES	REFUGIO 3SW.....7.30 INCHES
WOODSBORO 11 SW.....3.13 INCHES	WOODSBORO 10S...5.00 INCHES

WSR88D ESTIMATES...

THE RADAR WAS USING TROPICAL Z/R RELATIONSHIP DURING THIS EVENT.

THE HEAVIEST RAINFALL WAS CENTERED OVER SOUTHEAST BEE AND SOUTHWEST REFUGIO COUNTY BETWEEN SKIDMORE AND WOODSBORO. AMOUNTS IN THIS AREA RANGED FROM 6 TO NEARLY 11 INCHES. BETWEEN ROCKPORT AND AUSTWELL AND EXTENDING WEST TO BEEVILLE...WIDESPREAD RAINFALL IN EXCESS OF 3 INCHES WAS OBSERVED. WIDESPREAD RAINFALL OF 2 TO 3 INCHES WAS ALSO OBSERVED OVER NORTHERN MCMULLEN AND EXTREME NORTHWEST LIVE OAK COUNTY.

1 TO 2 INCHES OF RAIN WERE COMMON OVER GOLIAD...VICTORIA AND CALHOUN COUNTY. THIS AREA WAS NORTH AND EAST OF CHARLEY'S PATH.

ELSEWHERE...RAINFALL WAS MOSTLY LESS THAN 1 INCH.

D. STORM TIDES...

STORM TIDES ROSE TO 1 FOOT ABOVE ASTRONOMICAL TIDES AT BOB HALL PIER.

STORM TIDES ROSE TO 2 TO 3 FEET ABOVE ASTRONOMICAL TIDES AT PORT

OCONNOR.

TIDE DATA FOR PORT ARANSAS...

FRIDAY AUG 21 1998 : HIGH/515 AM...LOW/1023 AM...HIGH 127 PM...
LOW/940 PM

SATURDAY AUG 21 1998: HIGH/539 AM...LOW/1030 AM...HIGH/238 PM...
LOW 1022 PM

TIDE DATA FOR PORT OCONNOR...

FRIDAY AUG 21 1998 : HIGH/303 PM

SATURDAY AUG 22 1998: LOW/106 AM...HIGH/442 PM

E. BEACH EROSION...NO BEACH EROSION OBSERVED ON PADRE ISLAND OR
MUSTANG ISLAND. NO REPORTS AVAILABLE ELSEWHERE.

F. FLOODING...

COASTAL FLOODING:

SOME MINOR DAMAGE WAS NOTED ON MATAGORDA ISLAND. COASTAL FLOODING OR
HIGH WINDS CONTRIBUTED TO THE LOSS OF 2 SHELTERS.

COASTAL FLOODING WAS MINOR OVER MUSTANG ISLAND AND SOUTH PADRE
ISLAND. SEVERAL ROADS ACCESSING BEACHES IN CALHOUN COUNTY WERE
CLOSED. OTHERWISE THERE WERE NO PROBLEMS REPORTED IN ENTERING OR
LEAVING THE ISLANDS.

FLASH FLOODING :

SIGNIFICANT WIDESPREAD FLASH FLOODING WAS OBSERVED OVER PARTS OF
REFUGIO...BEE AND LIVE OAK COUNTIES. HIGHWAY 77 NEAR WOODSBORO WAS
CLOSED FROM EARLY SATURDAY MORNING THROUGH EARLY SUNDAY AFTERNOON.

RIVER FLOODING :

HEAVY RAINS FROM CHARLEY BROUGHT RAPID RISES TO THE MISSION RIVER
NEAR REFUGIO. THE MISSION RIVER REACHED FLOOD STAGE (22 FEET)
SATURDAY EVENING.

DUE TO HEAVY RAINS IN THE UPPER PART OF THE GUADALUPE AND NUECES
RIVER BASINS...EXPECT FURTHER RISES DOWNSTREAM WITH SEVERAL AREAS
REACHING BANKFULL OR FLOOD STAGE.

G. TORNADOES...NONE REPORTED. A TORNADO WARNING WAS ISSUED FOR
CALHOUN COUNTY ON 8/22/98 VALID FROM 1:18 AM TO 2:20 AM BASED ON THE
CRP WSR-88D BUT WAS NOT VERIFIED.

H. STORM EFFECTS...NO DEATHS OR INJURIES WERE REPORTED. NO KNOWN RECOMMENDED EVACUATIONS ALONG THE COASTAL COMMUNITIES IN WARNED AREA OF CRP CWA. PRELIMINARY STORM EFFECTS AND/OR DAMAGE ARE AS FOLLOWS (NO DOLLAR AMOUNTS AVAILABLE AT THIS TIME)...

WATER LEVELS ALONG THE BEACH AREAS AT PADRE ISLAND AND MUSTANG ISLAND REACHED THE DUNES LEVEL AND THE BEACHES WERE CLOSED. SOME FLOODING OF WATERFRONT HOMES WAS REPORTED IN HOLIDAY BEACH NEAR PORT ARANSAS. IMMEDIATE SHORELINE ROADS IN ARANSAS AND CALHOUN COUNTIES WERE FLOODED IN SOME LOCATIONS. MINOR BEACH EROSION WAS REPORTED NORTH OF PORT ARANSAS. SEVERAL DOWNED POWER LINES AND BROKEN POWER POLES CAUSED SEVERAL POWER OUTAGES IN PORT ARANSAS AND ROCKPORT EARLY SATURDAY MORNING. SOME POWER LINES WERE ALSO DOWN DUE TO FALLEN TREE LIMBS IN SAN PATRICIO COUNTY NEAR TAFT, TX. WIDESPREAD FLASH FLOODING WAS ACROSS PORTIONS OF REFUGIO AND SOUTHERN BEE COUNTIES WHERE ESTIMATED RAINFALL AMOUNTS OF 8 TO 10 INCHES FELL. U.S. HIGHWAY 77 WAS CLOSED BETWEEN REFUGIO AND WOODSBORO TX DUE TO FLOOD WATER DEPTHS OF ONE AND ONE-HALF FEET ACROSS THE HIGHWAY. FARM TO MARKET ROADS 626 AND 136 WERE ALSO CLOSED DUE TO HIGH WATER. FLOODING WAS REPORTED ALONG THE MISSION RIVER IN REFUGIO COUNTY WITH SOME HOMES FLOODED IN THE MISSION RIVER OAKS SUBDIVISION NEAR WOODSBORO. HEAVY RAINS FROM THE REMNANTS OF CHARLEY ALSO CAUSED FLOODING ,IN LIVE OAK COUNTY WHERE SOME CARS WERE FLOODED IN THREE RIVERS, TX.