

WWUS41 KCRP 152131
PSHCRP

PRELIMINARY STORM REPORT...TROPICAL STORM FRANCES
NATIONAL WEATHER SERVICE CORPUS CHRISTI TX
420 PM CDT TUE SEP 16 1998

A. HIGHEST WINDS

NWSO CORPUS CHRISTI CRP...

HIGHEST SUSTAINED WIND: 31 KNOTS FROM 010 DEGREES AT 1931 UTC ON
9/10/98

PEAK GUST: 38 KNOTS FROM 010 DEGREES AT 1943 UTC ON 9/10/98

NAS CORPUS CHRISTI NGP...

HIGHEST SUSTAINED WIND: 32 KNOTS FROM 010 DEGREES AT 1056 UTC ON
9/10/98

PEAK GUST: 42 KNOTS FROM 010 DEGREES AT 1132 UTC ON 9/10/98

ASOS ROCKPORT RKP...

HIGHEST SUSTAINED WIND: 31 KNOTS FROM 010 DEGREES AT 1832 UTC ON
9/11/98

PEAK GUST: 39 KNOTS FROM 010 DEGREES AT 1832 UTC ON 9/11/98

NOTE...DATA FOR ASOS RKP ON 9/10/98 WAS NOT AVAILABLE

ASOS VICTORIA VCT...

HIGHEST SUSTAINED WIND: 36 KNOTS FROM 040 DEGREES AT 0602 UTC ON
9/11/98

PEAK GUST: 41 KNOTS FROM 040 DEGREES AT 0641 UTC ON 9/11/98

CMAN PORT ARANSAS PTAT2

HIGHEST SUSTAINED WINDS: 30 KNOTS FROM 020 DEGREES AT 1000 UTC ON
9/10/98

PEAK GUST: 38 KNOTS FROM 020 DEGREES AT 1000 UTC ON 9/10/98

OTHER MEASURED PEAK WIND GUSTS...

ASOS ALICE ALI: 33 KNOTS FROM 350 DEGREES AT 2133 UTC ON 9/10/98

ASOS COTULLA COT: 28 KNOTS FROM 330 DEGREES AT 0747 UTC ON 9/11/98

ASOS NAS KINGSVILLE NQI: 32 KNOTS FROM 270 DEGREES AT 1024 UTC ON 9/11/98

OTHER MEASURED WIND GUSTS...

PORT OCONNOR COAST GUARD: 45 KNOTS FROM THE SOUTHEAST (TIME UNKNOWN)

B. LOWEST PRESSURE

NWSO CORPUS CHRISTI CRP...993.9 MILLIBARS (29.35 INCHES) AT 1321 UTC ON 9/11/98

NAS CORPUS CHRISTI NGP....993.8 MILLIBARS (29.35 INCHES) AT 1100 UTC ON 9/11/98

ASOS ROCKPORT RKP.....993.2 MILLIBARS (29.33 INCHES) AT 1321 UTC ON 9/11/98

ASOS VICTORIA VCT.....995.3 MILLIBARS (29.39 INCHES) AT 1103 UTC ON 9/11/98

ASOS NAS KINGSVILLE NQI...996.3 MILLIBARS (29.42 INCHES) AT 1137 UTC ON 9/11/98

C. RAINFALL

ASOS NWSO CORPUS CHRISTI CRP

1 HOUR: 0.58 INCHES FROM 1200-1300 UTC 9/09/98

6 HOUR: 0.76 INCHES FROM 1100-1700 UTC 9/09/98

12 HOUR: 1.02 INCHES FROM 0800-2000 UTC 9/10/98

24 HOUR: 1.24 INCHES FROM 1200 UTC 9/09/98 - 1200 UTC 9/10/98

ASOS VICTORIA VCT

1 HOUR: 1.23 INCHES FROM 0500-0600 UTC 9/11/98

6 HOUR: 2.73 INCHES FROM 0100-0700 UTC 9/11/98

12 HOUR: 4.12 INCHES FROM 0200-1400 UTC 9/11/98

24 HOUR: 5.01 INCHES FROM 1300-1300 UTC 9/11/98

ASOS ROCKPORT RKP

DATA MISSING FROM 0200-1500 UTC 9/11/98

1 HOUR: 0.59 INCHES FROM 1300-1400 UTC 9/10/98
6 HOUR: 1.33 INCHES FROM 0800-1400 UTC 9/10/98
12 HOUR: 2.20 INCHES FROM 0800-2000 UTC 9/10/98
24 HOUR: 2.52 INCHES FROM 0000-0000 UTC 9/10/98-9/11/98

STORM TOTALS FROM OTHER LOCATIONS:

24 HOUR RAINFALL ENDING 9/9/98 1200 UTC...

BENAVIDES.....	0.28
CALALLEN.....	0.05
COTULLA.....	0.07
CHOKE CANYON DAM.....	0.16
CORPUS CHRISTI NAS.....	1.04
CORPUS CHRISTI 6S.....	1.08
LAKE CORPUS CHRISTI.....	0.05
MATHIS BRIDGE.....	0.05
PORTLAND.....	0.50
TILDEN 9S.....	0.13

24 HOUR RAINFALL ENDING 9/10/98 1200 UTC...

ALICE FAA.....	0.02
BENAVIDES.....	0.12
BISHOP.....	0.51
CALALLEN.....	0.41
CHAPMAN RANCH.....	0.75
CONCEPCION 3S.....	0.04
CORPUS CHRISTI BAY.....	0.55
CORPUS CHRISTI GARDENS.....	0.75
CORPUS CHRISTI 6S.....	1.77
GOLIAD.....	0.29
KINGSVILLE 14SW.....	1.20
LAKE CORPUS CHRISTI.....	0.45
MATHIS BRIDGE.....	0.26
PORTLAND.....	0.78
ROBSTOWN.....	0.73
SINTON.....	0.50

24 HOUR RAINFALL ENDING 9/11/98 1200 UTC...

ALICE FAA.....	0.05
COTULLA.....	0.05
CORPUS CHRISTI NAS.....	0.51
CORPUS CHRISTI BAY.....	1.06

CORPUS CHRISTI 6S.....	1.32
GOLIAD.....	3.91
KINGSVILLE NAS.....	0.13
PORTLAND.....	0.77
PORT LAVACA.....	5.44

D. STORM TIDES

HIGHEST STORM TIDES OBSERVED (LEVELS ABOVE PREDICTED ASTRONOMICAL TIDES)...

BOB HALL PIER	3.5 TO 4.0 FEET
ROCKPORT	3.5 TO 4.0 FEET
PORT OCONNOR	4.5 TO 5.0 FEET

E. BEACH EROSION

MINOR TO MODERATE DUNE EROSION OBSERVED AT PADRE ISLAND NATIONAL SEASHORE...HOWEVER NO SIGNIFICANT BEACH EROSION OCCURRED. THE PARKING LOT AT BOB HALL PIER ON THE NORTH END OF PADRE ISLAND WAS DESTROYED BY SEVERE EROSION. SOME EROSION ALSO OCCURRED AROUND SOME OF THE PIER PILINGS...AND THE PIER IS CLOSED AT THIS TIME. MODERATE DUNE EROSION WAS OBSERVED AT MUSTANG ISLAND STATE PARK...WITH 10 FEET OF DUNE LOST. SHELTERS AND PICNIC TABLES ON THE BEACH WERE BURIED IN REDEPOSITED SAND 2 TO 3 FEET DEEP. MINOR DUNE EROSION WAS REPORTED AT PORT ARANSAS...HOWEVER NO DAMAGE TO THE BEACH....BEACH ROADS OR STRUCTURES WAS OBSERVED.

F. FLOODING

COASTAL FLOODING...

WIDESPREAD COASTAL FLOODING OCCURRED FROM PADRE ISLAND AND CORPUS CHRISTI NORTHWARD TO PORT OCONNOR.

IN CORPUS CHRISTI AND NUECES COUNTY...THE JFK CAUSEWAY TO PADRE ISLAND WAS REDUCED TO ONE LANE...WHICH WAS COVERED BY SEVERAL INCHES OF WATER...FROM EARLY ON THE MORNING OF THURSDAY SEPTEMBER 10 THROUGH THE EVENING OF FRIDAY SEPTEMBER 11. NUMEROUS ROADS ON NORTH BEACH IN CORPUS CHRISTI WERE FLOODED AND CLOSED. SEVERAL OTHER LOW LYING ROADS IN CORPUS CHRISTI WERE FLOODED. ON MUSTANG ISLAND...BEACH ACCESS ROADS AND HIGHWAY 361 WERE PARTIALLY FLOODED. ALL BEACHES WERE CLOSED WITH WATER INTO THE DUNES.

IN ARANSAS COUNTY...HIGHWAY 136 BETWEEN BAYSIDE AND GREGORY WAS CLOSED...AND WATER CAME UP UNDERNEATH BEACH FRONT HOUSES ON KEY ALLEGRO. HIGHWAY 35 BUSINESS ROUTE AND MANY OTHER ROADS THROUGHOUT THE COUNTY WERE FLOODED.

IN CALHOUN COUNTY...MAGNOLIA BEACH...INDIANOLA AND ALAMO BEACH WERE FLOODED AND ISOLATED. PORT OCONNOR HAD NUMEROUS CITY STREETS FLOODED AND CLOSED. COUNTY ROAD 314 WAS ALSO CLOSED.

FLASH FLOODING...

SIGNIFICANT FLASH FLOODING WAS REPORTED IN BEE COUNTY. HIGHWAY 59 WAS CLOSED DURING THE DAY FRIDAY 9/11/98 JUST WEST OF BEEVILLE WITH NUMEROUS OTHER ROADS CLOSED COUNTY WIDE. FLOODING OF ROADS WAS ALSO REPORTED IN CALHOUN AND VICTORIA COUNTIES. FLASH FLOOD WARNINGS WERE ISSUED DURING THIS EVENT FOR CALHOUN...VICTORIA... BEE AND LIVE OAK COUNTIES.

RIVER FLOODING...

HEAVY RAINFALL FROM FRANCES CAUSED RAPID RISES ON COLETO CREEK... AND THE GUADALUPE...SAN ANTONIO AND ARANSAS RIVERS. COLETO CREEK AND THE GUADALUPE RIVER REACHED FLOOD STAGE. RAINFALL ALSO AGGRAVATED EXISTING FLOODING ON THE NUECES RIVER CAUSED BY RUNOFF FROM TROPICAL STORM CHARLEY. THE NUECES RIVER REACHED FLOOD STAGE AT SEVERAL POINTS.

G. TORNADOES

NONE REPORTED. NO TORNADO WARNINGS WERE ISSUED FOR THE CORPUS CHRISTI COUNTY WARNING AREA DURING THIS EVENT.

H. STORM EFFECTS

NO DEATHS OR INJURIES ARE KNOWN AT THIS TIME. EVACUATIONS WERE RECOMMENDED FOR THOSE WITH MEDICAL CONDITIONS OR OTHER CONCERNS LIVING ON PADRE AND MUSTANG ISLANDS. PADRE ISLAND NATIONAL SEASHORE WAS EVACUATED AND CLOSED DUE TO COASTAL FLOODING.

PRELIMINARY STORM EFFECTS AND/OR DAMAGE ARE AS FOLLOWS (NO DOLLAR AMOUNTS AVAILABLE AT THIS TIME)...

IN CORPUS CHRISTI AND NUECES COUNTY...WATER INTO THE DUNES ON PADRE AND MUSTANG ISLANDS...WITH BEACH ROADS CLOSED. MINOR TO MODERATE DUNE EROSION ON PADRE AND MUSTANG ISLANDS. THE ROAD TO BIRD ISLAND BASIN BOAT RAMP WAS WASHED OUT...AND THE BOAT RAMP IS CLOSED AT THIS TIME. PICNIC SHELTERS AND TABLES PARTIALLY BURIED IN SAND AT MUSTANG ISLAND STATE PARK. MUCH DEBRIS AND SEAWEED ON THE JFK CAUSEWAY AND MANY OTHER LOW LYING ROADS. SEVERE EROSION TO PARKING LOT AT BOB HALL PIER...ALSO DAMAGE TO PIER AND IT IS CLOSED AT THIS TIME. NUMEROUS ROADS AND STREETS INCLUDING JFK CAUSEWAY CLOSED AT TIMES DUE TO HIGH WATER.

IN ARANSAS COUNTY...WATER UNDERNEATH HOUSES AT KEY ALLEGRO WITH NO DAMAGE KNOWN AT THIS TIME. SEVERAL ROADS AND STREETS CLOSED DUE TO HIGH WATER.

IN CALHOUN COUNTY...MANY PIERS DESTROYED BY HIGH WATER AND WAVE ACTION AT INDIANOLA...PORT ALTO AND MAGNOLIA BEACH. NUMEROUS ROADS AND STREETS CLOSED DUE TO HIGH WATER IN PORT OCONNOR...MAGNOLIA BEACH AND OTHER LOCATIONS THROUGHOUT THE COUNTY.

RIVER FLOODING OCCURRED ON THE LOWER GUADALUPE RIVER...WITH WATER INTO RIVERSIDE PARK AT VICTORIA...AND WIDESPREAD FLOODING OF THE FLOOD PLAIN IN CALHOUN COUNTY. RIVER FLOODING ALSO OCCURRED ON THE NUECES RIVER AT SEVERAL POINTS. WATER REACHED THE LOWEST HOMES AT THE RIVER OAKS SUBDIVISION IN LIVE OAK COUNTY...AND SURROUNDED SOME HOMES NEAR CALLEN. THE NUECES RIVER FLOODING WAS CAUSED BY A COMBINATION OF RAINFALL FROM TROPICAL STORMS CHARLEY AND FRANCES.

FLASH FLOODING CLOSED SEVERAL ROADS IN BEE COUNTY ON FRIDAY SEPTEMBER 11 INCLUDING HIGHWAY 59 WEST OF BEEVILLE.