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PRELIMINARY STORM REPORT
NATIONAL WEATHER SERVICE HOUSTON/GALVESTON TX
310 PM CDT THU AUG 03 1989

THE FOLLOWING RELATES TO THE EFFECTS OF HURRICANE CHANTAL...

A. WIND...

HIGHEST SUSTAINED WIND AND PEAK GUSTS...

HOUSTON INTERCONTINENTAL AIRPORT...8/01/89 UTC...
SUSTAINED WIND... NORTHEAST...28 KTS 1550 UTC
PEAK GUSTS..... NORTHEAST...49 KTS 1538 UTC

HOUSTON HOBBY AIRPORT...8/01/89
SUSTAINED WIND... WEST...35 KTS 1428 UTC AND 1534 UTC
PEAK GUSTS..... WEST...66 KTS 1535 UTC

HOUSTON AREA WSO ALVIN TEXAS...8/01/89
SUSTAINED WIND... DIRECTION UNKNOWN...24 KTS 1547 UTC
PEAK GUSTS..... DIRECTION UNKNOWN...39 KTS 1618 UTC

GALVESTON WSO GALVESTON ISLAND...8/01/89
SUSTAINED WIND... NORTHWEST...60 KTS 1132 UTC
PEAK GUSTS.....NORTHWEST...69 KTS 1445 UTC

B. LOWEST SEA LEVEL PRESSURE...

HOUSTON INTERCONTINENTAL AIRPORT...993.5 MB...1700 UTC 8/01/89

HOUSTON HOBBY AIRPORT.....996.3 MB...1538 UTC 8/01/89

WSO GALVESTON TEXAS.....997.4 MB...0935 UTC 8/01/89

C. STORM RAINFALL AMOUNTS...

HOUSTON INTERCONTINENTAL AIRPORT...ONE HOUR MAX .29 IN.
1400-1500 UTC 8/01/89

6 HOUR MAX 1.21 IN.
0900-1500 UTC 8/01/89

12 HOUR MAX 1.71 IN.

0900-2100 UTC 8/01/89

24 HOUR MAX 2.05 IN.
2200 UTC 7/31/89 - 2200 UTC
8/01/89

HOUSTON HOBBY AIRPORT...24 HOUR RAINFALL 8/01/89... 8.58 IN.
6 HOUR MAX 7.14IN. 1045-1645 8/01/89

HOUSTON AREA WSO ALVIN TEXAS...

24 HOUR TOTAL ENDING AT 1200 UTC 8/01/89... 1.28 IN.
24 HOUR TOTAL ENDING AT 1200 UTC 8/02/89... 7.01 IN.

DOWNTOWN HOUSTON.....24 HOUR RAINFALL 8/01/89... 4.25 IN.
ONE HOUR MAX .54 IN.
BETWEEN 1200 UTC AND 1300 UTC 8/01/89

WSO GALVESTON TEXAS.....ONE HOUR MAX 2.70 IN.
1113-1213 UTC 8/01/89

6 HOUR MAX 5.96 IN.
0631-1231 UTC 8/01/89

12 HOUR MAX 6.56 IN.
0555-1755 UTC 8/01/89

24 HOUR MAX 6.56 IN.
0500 7/31/89-0500 UTC 8/01/89

D. MAXIMUM STORM TIDE HEIGHTS...

GALVESTON TEXAS...FLAGSHIP PIER...3.5 MSL AT 1000 UTC 8/01/89
TIDES AT FLAGSHIP PIER WERE 3.1 FEET ABOVE THE
PREDICTED LEVEL.

PIER 21...2.9 MSL AT 1000 UTC 8/01/89...2.4 FEET
ABOVE THE PREDICTED LEVEL.

KEMAH...3.8 MSL AT 2000 UTC 8/01/89...2.5 FEET ABOVE THE PREDICTED
LEVEL.

BOLIVAR PENINSULA...HIGH ISLAND...ESTIMATED 7.0 MSL AT 1300 UTC
8/01/89.

E. EXTENT OF BEACH EROSION...

BOLIVAR PENINSULA...MINIMAL BEACH EROSION

JEFFERSON COUNTY...EXTENSIVE BEACH
EROSION. HIGHWAY 87 WAS CLOSED FROM HIGH
ISLAND TO SEA RIM STATE PARK. THE PARK
WILL BE CLOSED FOR THE NEXT 6 WEEKS DUE
TO EXTENSIVE DAMAGE.

F. FLOODING AND/OR FLASH FLOODING IN THE COUNTY WARNING AREA...

GALVESTON COUNTY...FLOODING BEGAN AND A FLOOD WARNING WAS ISSUED AT
1542 UTC 8/01/89 VALID UNTIL 1845 UTC. A FLOOD WARNING WAS ISSUED
AGAIN AT 1856 UTC 8/01/89 VALID UNTIL 2245.

HARRIS COUNTY...FLOODING BEGAN AND A FLOOD WARNING WAS ISSUED AT
1602 UTC 8/01/89 VALID UNTIL 1900 UTC. A FLOOD WARNING WAS ISSUED
AT 1730 UTC 8/01/89 FOR SIMS BAYOU...CLEAR CREEK...TURKEY
CREEK...AND BEAMER ROAD DITCH IN SOUTHERN HARRIS COUNTY.

CHAMBERS COUNTY...FLOODING BEGAN AND A FLOOD WARNING WAS ISSUED AT
1542 UTC 8/01/89 VALID UNTIL 1845 UTC.

BRAZORIA COUNTY...FLOODING BEGAN AND A FLOOD WARNING WAS ISSUED AT
1602 UTC 8/01/89 VALID UNTIL 1900 UTC.

FORT BEND COUNTY...FLOODING BEGAN AND A FLASH FLOOD WARNING WAS
ISSUED AT 1837 UTC 8/01/89 VALID UNTIL 2145.

G. TORNADOES IN THE COUNTY WARNING AREA...

GALVESTON COUNTY...CONFIRMED TORNADO...WARNING ISSUED AT 1350
UTC 8/01/89 FOR A TORNADO THAT TOUCHED DOWN ON CRYSTAL BEACH AT
APPROXIMATELY 1420...CAUSING TOTAL DESTRUCTION TO A BOAT SHED.

H. PRELIMINARY STORM EFFECTS...

TORNADO INJURIES...NONE.

PEOPLE EVACUATED...VOLUNTARY EVACUATIONS FROM THE WEST END OF
GALVESTON ISLAND AND BOLIVAR PENINSULA.

DEATHS.....NONE.

STORM INJURIES.....NONE.

DOLLAR DAMAGES.....IN THE TENS OF MILLIONS.