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TTAA00 KHOU 281526

PRELIMINARY STORM REPORT
NATIONAL WEATHER SERVICE HOUSTON/GALVESTON TX
1030 AM CDT WED JUN 28 1989

A. WIND...

HIGHEST SUSTAINED WIND AND PEAK GUSTS...

HOUSTON INTERCONTINENTAL AIRPORT...6/27/89 UTC...(6/26/89 CDT)
SUSTAINED WIND... EAST...34 KTS 0052 UTC (39 MPH 752PM CDT)
PEAK GUSTS..... EAST...46 KTS 0052 UTC (53 MPH 752PM CDT)

HOUSTON HOBBY AIRPORT...6/26/89
SUSTAINED WIND... EAST...25 KTS 1643 UTC (29 MPH 1143 AM CDT)
PEAK GUSTS..... EAST...39 KTS 1630 UTC (45 MPH 1130 AM CDT)

HOUSTON AREA WSO ALVIN TEXAS...6/26/89
SUSTAINED WIND... EAST...18 KTS 1457 UTC (21 MPH 957 AM CDT)
PEAK GUSTS..... EAST...32 KTS 1457 UTC (37 MPH 957 AM CDT)

GALVESTON WSO GALVESTON ISLAND...6/26/89
SUSTAINED WIND... SOUTHEAST...45 KTS 1238 UTC (52 MPH 738 AM CDT)
PEAK GUSTS.....SOUTHEAST...49 KTS 1536 UTC (56 MPH 1036 AM CDT)

B. LOWEST SEA LEVEL PRESSURE...

HOUSTON INTERCONTINENTAL AIRPORT...996.1 MB...0040 UTC 6/27/89
(29.415 IN...740 PM CDT 6/26/89)

HOUSTON HOBBY AIRPORT.....1001.5 MB...2350 UTC 6/26/89
(29.57 IN...650 PM CDT 6/26/89)

WSO GALVESTON TEXAS.....1003.3 MB...0030 UTC 6/27/89
(29.63 IN...730 PM CDT 6/26/89)

C. STORM RAINFALL AMOUNTS...

HOUSTON INTERCONTINENTAL AIRPORT...ONE HOUR MAX .78 IN.
1752-1851 UTC 6/26/89

6 HOUR MAX 5.25 IN.
1800-2400 UTC 6/26/89

12 HOUR MAX 9.19 IN.
1800-0600 UTC 6/26/89 - 6/27/89

24 HOUR MAX 10.34 IN.
0600 UTC 6/26/89 - 0600 UTC
6/27/89

HOUSTON HOBBY AIRPORT...24 HOUR RAINFALL 6/23/89... 1.67
24 HOUR RAINFALL 6/24/89... 2.65
24 HOUR RAINFALL 6/25/89... .32
24 HOUR RAINFALL 6/26/89... 7.24
24 HOUR RAINFALL 6/27/89... .01

STORM TOTAL 11.89

HOUSTON AREA WSO ALVIN TEXAS...

24 HOUR TOTAL ENDING AT 1200 UTC 6/24/89... 1.29
24 HOUR TOTAL ENDING AT 1200 UTC 6/25/89... 1.87
24 HOUR TOTAL ENDING AT 1200 UTC 6/26/89... 1.52
24 HOUR TOTAL ENDING AT 1200 UTC 6/27 89... 1.90

STORM TOTAL 6.58

DOWNTOWN HOUSTON.....24 HOUR RAINFALL 6/22/89... .28
24 HOUR RAINFALL 6/23/89... 1.11
24 HOUR RAINFALL 6/24/89... 1.38
24 HOUR RAINFALL 6/25/89... .36
24 HOUR RAINFALL 6/26/89... 7.65

STORM TOTAL 10.78

THE HOURLY RAINFALL RATE BETWEEN 2200 AND 2300 UTC
6/26/89 WAS 1.55 INCHES PER HOUR.

WSO GALVESTON TEXAS....24 HOUR RAINFALL 6/24/89... 2.76
24 HOUR RAINFALL 6/25/89... .66
24 HOUR RAINFALL 6/26/89... 4.15
24 HOUR RAINFALL 6/27/89... .32

STORM TOTAL 7.89

D. MAXIMUM STORM TIDE HEIGHTS...

GALVESTON TEXAS...FLAGSHIP PIER...3.9 MSL AT 1530 UTC 6/26/89

(1030 AM CDT 6/26/89)

NOTE...THE FLAGSHIP PIER HAD A MAXIMUM WIND GUST
TO 50 KTS AT THE SAME TIME THE MAXIMUM STORM TIDE
HEIGHT WAS RECORDED.

TIDES ALONG THE WEST AND NORTH COAST OF GALVESTON BAY WERE REPORTED TO BE AS HIGH AS 6 TO 7 FEET ABOVE MSL. THE BAYTOWN OFFICE OF EMERGENCY MANAGEMENT REPORTED A TIDE OVER 6 PLUS FEET WHEN THEIR TIDE STAFF WAS COVERED WITH WATER. THEY ESTIMATE AN ADDITIONAL FOOT OF WATER OVER THE HEIGHT OF THE STAFF...FOR A TOTAL TIDE HEIGHT OF 7 FEET OCCURRING AT APPROXIMATELY 2200 UTC (5 PM CDT) 6/26/89 AND LASTING UNTIL 0300 UTC 6/27/89 (10 PM CDT 6/26/89).

E. EXTENT OF BEACH EROSION...GALVESTON COUNTY...CONSIDERABLE BEACH EROSION ON THE WEST END OF GALVESTON ISLAND...PERHAPS 20 TO 30 YARDS OF BEACH LOST.

BOLIVAR PENINSULA...CONSIDERABLE BEACH EROSION...SAND DUNES PUSHED OVER HWY-87.

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

GALVESTON COUNTY...FLOODING BEGAN AND A FLOOD WARNING WAS ISSUED AT 1830 UTC 6/26/89 AND WAS EXTENDED AT 2155 UTC 6/26/89 AND AGAIN AT 0230 AND 0445 UTC 6/27/89.

CHAMBERS COUNTY...FLOODING BEGAN AND A FLOOD WARNING WAS ISSUED AT 0130 UTC AND EXTENDED AT 0445 UTC 6/27/89.

BRAZORIA COUNTY...FLOODING BEGAN AND A FLOOD WARNING WAS ISSUED AT 1327 UTC 6/26/89 AND EXTENDED AT 1930 UTC 6/26/89 AND EXTENDED AGAIN AT 2204 6/26/89.

HARRIS COUNTY...FLOODING BEGAN IN SOUTHERN HARRIS COUNTY AND A FLOOD WARNING WAS ISSUED AT 2104 UTC 6/26/89 AND EXTENDED AND EXPANDED TO INCLUDE THE ENTIRE COUNTY AT 2330 UTC 6/26/89. THE FLOOD WARNING FOR HARRIS COUNTY WAS AGAIN EXTENDED AT 0510 UTC 6/27/89.

LIBERTY COUNTY...FLOODING BEGAN AND A FLOOD WARNING WAS ISSUED AT 0307 UTC 6/27/89 AND EXTENDED AT 0743 6/27/89.

MONTGOMERY COUNTY...FLOODING BEGAN IN SOUTHERN MONTGOMERY COUNTY AND A FLOOD WARNING WAS ISSUED AT 0326 UTC 6/27/89.

G. TORNADOES IN THE COUNTY WARNING AREA...

CHAMBERS COUNTY...UNCONFIRMED TORNADO...WARNING ISSUED AT 0159 UTC 6/27/89 FOR UNCONFIRMED TORNADO REPORTED TO HAVE TOUCHED DOWN IN

THE SMITH POINT/DOUBLE BAYOU AREA.

GALVESTON COUNTY...CONFIRMED TORNADO...WARNING ISSUED AT 0400
UTC 6/27/89 FOR A TORNADO THAT TOUCHED DOWN IN THE GILCHRIST AREA
CAUSING MINOR DAMAGE.

H. PRELIMINARY STORM EFFECTS...

TORNADO INJURIES...ONE PERSON IN GALVESTON COUNTY...IN THE
GILCHRIST AREA...MINOR INJURIES.

PEOPLE EVACUATED...SEVERAL HUNDRED DUE TO FLOODING.

DEATHS.....ONE...AN 18 YEAR OLD BOY...DONALD GILLIAM JR.
WAS REPORTED DROWNED TUESDAY...6/27/89... WHILE
TRYING TO SWIM ACROSS SPRING CREEK...ALONG THE
BORDER BETWEEN HARRIS AND MONTGOMERY COUNTY.
TWO OTHER DEATHS WERE RELATED TO TRAFFIC
ACCIDENTS WHICH OCCURRED DURING THE STORM.

STORM INJURIES.....LATRICIA REESE...A 7 YEAR OLD GIRL...WAS WASHED
DOWN A STORM DRAIN AND INTO A SEWER LINE AT
APPROXIMATELY 0000 UTC 6/27/89 (7 PM CDT
6/26/89). SHE HELD ONTO A CONCRETE LEDGE AND
WAS RESCUED...ALIVE...AFTER 13 HOURS...WITH
MINOR INJURIES.

DOLLAR DAMAGES.....IN THE MANY MILLIONS...PERHAPS AS MUCH AS ONE
BILLION DOLLARS. OVER 3500 CLAIMS HAVE BEEN
FILED WITH ONLY TWO INSURANCE COMPANIES
REPORTING SO FAR FOR HOME DAMAGE DUE TO FLOODING
AS OF 1300 UTC (8 AM CDT) 6/28/89. MANY MORE
WILL LIKELY FOLLOW.