

WWUS41 KBRO 232110
PRELIMINARY STORM REPORT...TROPICAL STORM ARLENE...UPDATED
NATIONAL WEATHER SERVICE BROWNSVILLE TX
415 PM CDT WED JUN 23 1993

A. HIGHEST WINDS...

1 - MINUTE...22 KNOTS FROM 160 DEGREES 1021 UTC 6/21/93
PEAK GUSTS...28 KNOTS FROM 160 DEGREES 1021 UTC 6/21/93
HANDAR AT JETTIES ON S PADRE ISLAND
1 - MINUTE...18 KNOTS FROM 300 DEGREES 2339 UTC 6/19/93
PEAK GUSTS...25 KNOTS FROM 300 DEGREES 2339 UTC 6/19/93
HANDAR AT PORT ISABEL TURNING BASIN
1 - MINUTE...14 KNOTS FROM 010 DEGREES 2345 UTC 6/19/93
PEAK GUSTS...25 KNOTS FROM 010 DEGREES 2345 UTC 6/19/93

B. LOWEST PRESSURE...WSO BRO 1004.0 MBS 2315 UTC 6/19/93

C. RAINFALL...

STORM TOTAL...(TO PRESENT) 3.18 INCHES 6/19-21/93
1 HOUR...0.71 1800-1900 6/19/93 6 HOUR...1.55 1700-2300 6/19/93
12 HOUR...1.76 1200-2400 6/19/93 24 HOURS...2.26 0600 6/19/93 0600 6/20/9

STORM TOTALS FOR OTHER STATIONS IN DEEP SOUTH TEXAS...

EDINBURG 4.66	FALCON DAM 3.96	FALFURRIAS 4.96
HARLINGEN 3.76	HEBBRONVILLE 4.33	LOS FRESNOS 2.51
MCCOOK 6.86	MERCEDES 3.97	MISSION 6.17
MONTE ALTO 7.35	PORT ISABEL 5.63	PORT MANSFIELD 3.47
RANCHO VIEJO 2.21	RAYMONDVILLE 7.89	SAN MANUEL 10.50
SANTA ROSA 5.26	WESLACO 4.64	ZAPATA 3.25
RIO GRANDE CITY 9.10	LA SARA 7.75	SHARYLAND 6.60

D. STORM TIDES...

JETTIES AT SOUTH END OF SOUTH PADRE ISLAND...2.23 FEET MSL 1031 UTC
6/19/93 OR 1.63 FEET ABOVE PREDICTED TIDE

E. BEACH EROSION...ABOUT 6 INCHES OF SAND REMOVED FROM BEACHES ALL THE
WAY TO THE DUNES.

F. FLOODING...ALONG COAST, OLD WASHOVER CHANNELS CARRIED WATER ACROSS
ISLAND IN MANY PLACES.

CONSIDERABLE INLAND URBAN AND STREAM FLOODING. CITIES HARDEST HIT
WERE RAYMONDVILLE IN WILLACY COUNTY...SOME 40 MILES NORTH NORTHWEST
OF BROWNSVILLE...AND RIO GRANDE CITY...SOME 85 MILES WEST NORTHWEST
OF BROWNSVILLE. OVER 100 HOMES AND BUSINESSES HAD WATER IN THEM IN
RAYMONDVILLE...BUT DAMAGE WILL BE MAINLY TO FLOORING AND LOWER INSIDE
WALLS. FEW EVACUATIONS TO CENTERS...WITH MANY PEOPLE STAYING WITH
FRIENDS OR RELATIVES. RAYMONDVILLE IS IN SOMEWHAT OF A NATURAL BOWL
...WITH A LONG HISTORY OF FLOODING. ESTIMATED 250 HOMES FLOODED IN
RIO GRANDE CITY...MOST IN A NEW SUBDIVISION EAST OF TOWN. THIS SUB-

DIVISION WAS ALSO BUILT IN A NATURAL BOWL AND THE DEVELOPER PROVIDED NO DRAINAGE SYSTEM. THE COUNTY PLANS TO SUE. AGAIN DAMAGE MAINLY RESTRICTED TO FLOORING AND LOWER WALL DAMAGE AND SOME FURNITURE. ONLY 2 FAMILIES USED EMERGENCY SHELTERS. FEW OTHER SIGNIFICANT REPORTS OF URBAN FLOODING RECEIVED.

G. TORNADOES...NONE

H. STORM EFFECTS...MANY GRAIN SORGHUM FIELDS WERE CONTINUOUSLY WET FROM LATE FRIDAY THROUGH MONDAY. AS A RESULT...THE GRAIN SPROUTED IN THE HEADS IN MANY FIELDS. THIS WILL SUBSTANTIALLY REDUCE YIELDS AND ESPECIALLY PRICES. STILL TOO EARLY TO TELL ABOUT COTTON CROP LOSSES. THERE WILL BE SOME LOSS OF STANDS WERE FIELDS REMAIN FLOODED FOR MORE THAN JUST A FEW DAYS. TOTAL LOSS WILL BE IN THE MILLIONS...BUT MOST OF THAT WILL BE AGRICULTURAL.

HAGAN

MIC WSO BRO