

POST TROPICAL CYCLONE REPORT...HURRICANE ALEX...CORRECTED
NATIONAL WEATHER SERVICE BROWNSVILLE TX
607 PM CDT FRI JUL 2 2010

NOTE: THE DATA SHOWN HERE ARE PRELIMINARY....AND SUBJECT TO UPDATES
AND CORRECTIONS AS APPROPRIATE.

THIS REPORT INCLUDES EVENTS OCCURRING WHEN WATCHES AND/OR WARNINGS
WERE IN EFFECT FOR ALEX.

COUNTIES INCLUDED...CAMERON...WILLACY...KENEDY...HIDALGO...BROOKS...
JIM HOGG...STARR...ZAPATA

JUL 02...UPDATED FOR...TOTAL RAINFALL INCLUDING FINAL BANDS ON JULY
1ST. ADDITIONAL INFORMATION ON STREET FLOODING IN SOUTH PADRE
ISLAND. ADDITIONAL INFORMATION IN STORM EFFECTS SECTION FOR DEATHS
IN NORTHERN MEXICO.

JUL 02...UPDATED FOR...ADDITIONAL SLIGHT RAINFALL UPDATES TO
REGIONAL AIRPORTS.

JUL 02...CORRECTED FOR...METAR WINDS DUPLICATED WITH ERRONEOUS
UNIVERSAL COORDINATED TIMES FOR KBRO...KPIL...KMFE...AND KHRL.

A. LOWEST SEA LEVEL PRESSURE/MAXIMUM SUSTAINED WINDS AND PEAK GUSTS

METAR OBSERVATIONS...

NOTE: ANEMOMETER HEIGHT IS 10 METERS AND WIND AVERAGING IS 2 MINUTES

LOCATION	ID	MIN	DATE/	MAX	DATE/	PEAK	DATE/
LAT LON		PRES	TIME	SUST	TIME	GUST	TIME
DEG DECIMAL		(MB)	(UTC)	(KT)	(UTC)	(KT)	(UTC)

KBRO-BROWNSVILLE INTL ARPT							
25.91	-97.42	997.3	30/2326	050/033	30/2200	040/042	30/2159

KHRL-HARLINGEN VALLEY INTL ARPT							
26.22	-97.66	999.7	30/2322	090/035	01/0132	060/043	30/2213

KMFE-MCALLEN MILLER ARPT							
26.17	-98.24	1001.0	01/0219	040/027	01/0244	070/040	01/0251

KPIL-PORT ISABEL ARPT							
26.15	-97.23	998.6	30/2349	090/034	01/0112	090/046	01/0111

KT65-WESLACO							
26.17	-97.97	1000.3	01/0025	050/026	30/2205	050/036	30/2045

KEBG-EDINBURG INTL ARPT							
26.44	-98.13	1002.4	01/0005	050/027	30/2045	050/036	30/2045

KBKS-BROOKS COUNTY ARPT
26.20 -98.12 1004.7 01/0010 060/020 01/0010 060/028 01/0010

KHBV-HEBBRONVILLE JIM HOGG ARPT
27.33 -98.73 1008.5 01/0021 020/019 01/0021 020/029 01/0021

KAPY-ZAPATA COUNTY ARPT
26.98 -99.25 1007.1 30/2142 350/018 30/1945 350/028 30/1945

KLRD-LAREDO INTL ARPT
27.54 -99.46 1007.7 30/2256 050/022 01/2056 050/027 01/2056

KNQI-KINGSVILLE NAS
27.50 -97.81 1006.2 30/0956 070/023 30/1632 070/030 30/1632

KALI-ALICE INTL ARPT
27.74 -98.03 1007.2 30/2353 040/022 30/2353 040/030 30/2353

KSPL-SOUTH PADRE ISLAND
26.07 -97.16 998.3 30/2315 050/040 01/0035 030/049 30/2135

REMARKS:

NON-METAR OBSERVATIONS...

NOTE: ANEMOMETER HEIGHT IN METERS AND WIND AVERAGING PERIOD IN MINUTES INDICATED UNDER MAXIMUM SUSTAINED WIND IF KNOWN

LOCATION	ID	MIN	DATE/	MAX	DATE/	PEAK	DATE/
LAT LON		PRES	TIME	SUST	TIME	GUST	TIME
DEG DECIMAL		(MB)	(UTC)	(KT)	(UTC)	(KT)	(UTC)

KSOU							
26.08	-97.19			070/041	01/0101	070/058	01/0101
				20/02			
ATRT2							
26.22	-97.35			090/019	01/0322	090/030	01/0322
				05/05			
LWRT2							
26.07	-98.16			030/013	01/0145	030/029	01/0045
				15/05			
LSRT2							
26.53	-98.09			030/015	30/2146	060/029	01/0446
				15/05			
FART2							
26.55	-99.14			030/011	01/0511	030/026	01/0511
				15/05			

REMARKS: SITE KSOU: QUEEN ISABELLA CAUSEWAY BRIDGE. SITES ATRT2, LWRT2, LSRT2, FART2: RAW SITES.

B. MARINE OBSERVATIONS...

NOTE: ANEMOMETER HEIGHT IN METERS AND WIND AVERAGING PERIOD IN MINUTES INDICATED UNDER MAXIMUM SUSTAINED WIND IF KNOWN

LOCATION	ID	MIN	DATE/	MAX	DATE/	PEAK	DATE/
LAT LON		PRES	TIME	SUST	TIME	GUST	TIME
DEG DECIMAL		(MB)	(UTC)	(KT)	(UTC)	(KT)	(UTC)
42020-BUOY 50NM SE CORPUS CHRISTI							
26.96	-96.69	1002.3	30/2250	050/033	30/1750	050/041	30/1750
					05/10		
42045-TABS K 40NM E SPI							
26.21	-96.50	1001.6	30/1000	050/027	30/1130	050/033	30/1130
					05/10		
PTIT2-PORT ISABEL TX							
26.06	-97.22	998.5	30/2300	070/044	30/1842	070/054	30/1842
					05/10		
RSJT2-RINCON DEL SAN JOSE TX							
26.80	-97.48			030/031	30/1742	040/041	30/2300
					05/10		
BAPT2-BAFFIN BAY TX							
27.30	-97.42			060/036	30/2206	050/056	30/2212
					05/10		
RLPN2 - REALITOS PEN							
26.26	-97.28			050/039	30/1942	050/056	30/1512
					05/10		
SPIT2 - SOUTH PADRE CG STN							
26.07	-97.18	999.5	30/2200	080/031	01/0000	080/040	01/0000
					05/10		

REMARKS:

C. STORM TOTAL RAINFALL FROM 1500 UTC JUN 29 UNTIL 0500 UTC JUL 02

CITY/TOWN	COUNTY	ID	RAINFALL
LAT LON			(IN)
DEG DECIMAL			
0.7 E RANCHO VIEJO	CAMERON	CMR1	9.79
26.03 -97.55			
3 SE RANCHO VIEJO	CAMERON	CMR6	8.83
26.00 -97.52			
4.1 NE BROWNSVILLE	INLAND CAMERON	CMR38	9.10
25.96 -97.43			
1.5 NNE ALAMO	HIDALGO	HDL6	8.34
26.20 -98.11			

1.1 WSW EDINBURG 26.28 -98.18	HIDALGO	HDL17	8.22
0.3 NE LOS FRESNOS 26.07 -97.47	CAMERON	CMR21	8.14
MCCOOK 26.48 -98.38	HIDALGO	MCOT2	8.25
4.10 E BROWNSVILLE 25.92 -97.42	INLAND CAMERON	CMR17	8.02
5 NE BAYVIEW 26.17 -97.34	CAMERON	ATRT2	4.66
2 E WESLACO 26.16 -97.95	HIDALGO	WEST2	7.96
4.9 NW BROWNSVILLE 25.97 -97.54	INLAND CAMERON	CMR15	7.67
5 SSE SAN BENITO 26.06 -97.61	CAMERON	CMR19	7.62
1.9 ESE BROWNSVILLE 25.91 -97.45	INLAND CAMERON	CMR23	7.79
MCALLEN 26.21 -98.24	HIDALGO	KMFE	7.58
3.5 N BROWNSVILLE 25.97 -97.48	INLAND CAMERON	CMR16	7.28
4.4 NE BROWNSVILLE 25.96 -97.43	CAMERON	CMR42	7.14
2.2 W BROWNSVILLE 25.92 -97.52	CAMERON	CMR13	7.12
LYFORD 26.41 -97.79	WILLACY	WC01	7.05
SOUTH PADRE ISLAND 26.07 -97.18	CAMERON		6.87
11.1 N LA JOYA 26.40 -98.48	HIDALGO	HDL5	6.93
4.460 ENE BROWNSVILLE 25.94 -97.42	INLAND CAMERON	KBRO	6.79
MERCEDES 26.14 -97.92	HIDALGO	MCDT2	7.08
4.3 WSW HARLINGEN 26.17 -97.75	CAMERON	CMR32	6.64

4.7 WSW HARLINGEN 26.16 -97.76	INLAND CAMERON	CMR36	6.40
LA JOYA 26.24 -98.48	HIDALGO	LJAT2	6.35
1 W SOUTH PADRE ISLAND 26.07 -97.20	-----	KSOU	6.34
HARLINGEN 26.19 -97.69	CAMERON	HGNT2	6.61
5 NW BROWNSVILLE 25.97 -97.54	CAMERON	CMR50	6.06
4.2 NE BROWNSVILLE 25.96 -97.43	CAMERON	CMR44	7.31
6 WSW HARLINGEN 26.16 -97.78	INLAND CAMERON	CMR18	5.93
SAN MANUEL 26.57 -98.12	HIDALGO	SMLT2	5.91
PORT MANSFIELD 26.55 -97.43	WILLACY	PSFT2	5.83 I
HEBBRONVILLE 27.31 -98.69	JIM HOGG	HBBT2	7.51
RAYMONDVILLE 26.47 -97.78	WILLACY	PYMT2	5.67
1.90 ENE MISSION 26.22 -98.29	HIDALGO	HDL9	5.90
EDINBURG 26.29 -98.16	HIDALGO	EDIT2	7.53
7 E SARITA 27.21 -97.69	KENEDY	SRTT2	5.84
BROWNSVILLE 25.92 -97.48	CAMERON	CMR51	5.64
2.40 WSW HARLINGEN 26.18 -97.72	INLAND CAMERON		5.50 I
3 NNW BROWNSVILLE 25.96 -97.50	INLAND CAMERON		6.76 I
2 E MISSION 26.21 -98.28	HIDALGO		6.00 I
SEBASTIAN 26.34 -97.80	WILLACY		5.00 I

4 NE BAYVIEW 26.16 -97.35	COASTAL CAMERON	KPIL	5.30
SAN MANUEL 26.57 -98.12	HIDALGO	LSRT2	5.42
2 ENE WESLACO 26.17 -97.95	HIDALGO	KT65	5.86 I
3 E ARMSTRONG COOP 26.83 -97.70	KENEDY	ARMT2	5.52 I
2 W FALFURRIAS 27.22 -98.18	BROOKS	FAFT2	5.73
9.7 NNE EDINBURG 26.42 -98.10	HIDALGO	KEBG	4.63
20 N SARITA 27.50 -97.81	KENEDY	KNQI	4.33 I
2 SE FALFURRIAS 27.20 -98.12	BROOKS	KBKS	4.55 I
2 NNE HARLINGEN COOP 26.22 -97.65	CAMERON	KHRL	3.87
35 N SAN YGNACIO 27.54 -99.46	ZAPATA	KLRD	3.74 I
FALCON DAM 26.55 -99.13	STARR	FALT2	2.90
4 NW HEBBRONVILLE 27.34 -98.74	JIM HOGG	KHBV	3.13 I
5 N ZAPATA 26.96 -99.25	ZAPATA	KAPY	2.50 I
1 WSW SANTA ANA NWR COOP 26.07 -98.16	HIDALGO	LWRT2	7.94 I
37 NNW FALFURRIAS 27.74 -98.27	DUVAL	KALI	8.27

REMARKS:

D. INLAND FLOODING...

CAMERON...NUMEROUS ROADS CLOSED IN BROWNSVILLE DURING PEAK OF
RAINFALL BETWEEN 4 PM JUNE 30TH AND EARLY MORNING JULY 1ST. MOST
ROADS WERE POOR DRAINAGE LOCATIONS INCLUDING BOCA CHICA AT SECURITY
DRIVE AND INTERNATIONAL...PAREDES LINE ROAD NORTH OF RUBEN
TORRES...AND EAST 7TH AND JEFFERSON DOWNTOWN. HIGH STANDING WATER
WAS NOTED IN MANY LOCATIONS ALONG HIGHWAY 281 NEAR THE RIO GRANDE

WEST OF BROWNSVILLE. OTHER FLOODING WAS NOTED BETWEEN OLMITO AND LOS FRESNOS. FRESHWATER FLOODING CLOSED STATE HIGHWAY 100...PADRE BOULEVARD...IN THE TOWN OF SOUTH PADRE ISLAND DURING THE AFTERNOON AND EARLY EVENING BEFORE THE WATER DRAINED. SIGNIFICANT URBAN FLOODING REQUIRED WATER RESCUES ACROSS THE BORDER IN MATAMOROS...TAMAULIPAS MEXICO. AT LEAST 400 NEIGHBORHOODS WERE FLOODED MANY WITH MORE THAN A FOOT OF WATER INTO STRUCTURES.

HIDALGO...POOR DRAINAGE FLOODING WAS REPORTED IN WESLACO AROUND 10 PM ON JUNE 30TH...AND DURING THE LATE AFTERNOON AND EVENING IN EDINBURG. MANY OTHER COMMUNITIES WITH POOR DRAINAGE HAD MINOR TO MODERATE FLOODING...BUT WATER RESCUES WERE NOT A FACTOR DESPITE THE MOST POPULATED AREAS RECEIVING BETWEEN 6 AND 9 INCHES OF RAINFALL.

 E. MAXIMUM STORM SURGE AND STORM TIDE...
 OFFICIAL TIDE GAUGES NOTED WITH LEADING G

COUNTY	CITY/TOWN OR LOCATION	SURGE (FT)	TIDE (FT)	DATE/ TIME	BEACH EROSION
CAMERON	G PORT ISABEL	3.52	4.19	01/0030	NONE
CAMERON	G SOUTH PADRE ISL	3.44	3.95	30/2330	MODERATE

WATER REACHED INTO THE DUNES AT TIME OF PEAK SURGE AND RAN THROUGH PUBLIC BEACH ACCESS POINTS NORTH OF THE RESORT AREA...CLOSING HIGHWAY 100. SURF ALONG BEACHFRONT WAS 7 TO 9 FEET ALONG WITH VERY ROUGH AND CONFUSED WAVE ACTION.

REMARKS: NOTE: OTHER TIDE LOCATIONS IN LAGUNA MADRE AT RINCON DEL SAN JOSE AND REALITOS PENINSULA SHOWED A RISE IN TIDE LEVELS BUT NO DEFINITIVE SURGE VALUE.

F. TORNADOES...

(DIST) CITY/TOWN LAT LON (DEG DECIMAL) DESCRIPTION	COUNTY	DATE/ TIME (UTC)	EF SCALE (IF KNOWN)
4 W BROWNSVILLE 4.9NW CCR 25.97 -97.59	INLAND CAMERON	30/1535	EF0

ESTIMATED WIND SPEED: 60 TO 65 MPH. PATH LENGTH: 0.20 MILES. PATH WIDTH: 25 TO 40 YARDS. BRIEF TOUCHDOWN KNOCKED DOWN DOZENS OF LARGE LIMBS...PUSHED OVER A WATER KIOSK...AND PUSHED A TRAILER ONTO A RECREATIONAL VEHICLE ON THE OTHER SIDE OF FEDERAL HIGHWAY 281. RESIDENTS IN THE AREA WITNESSED A WHITE FUNNEL SUCKING UP PONDED WATER...LASTING ONLY SECONDS.

1 E PORT ISABEL 26.07 -97.21	CAMERON	30/1510	EF0
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