

ACUS74 KBRO 010037 CCA
PSHBRO

POST TROPICAL CYCLONE REPORT...HURRICANE DOLLY...UPDATED
NATIONAL WEATHER SERVICE BROWNSVILLE TX
736 PM CDT THU JUL 31 2008

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

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

JULY 31...UPDATED FOR...ADJUSTED NON METAR WIND GUSTS TO 3 SECOND
VALUE. PLEASE NOTE THAT AN INSTANTANEOUS PEAK GUST WAS NOTED AT ID
LOCATION 112A...ABOUT 2 MILES NORTH OF THE DEVELOPED AREAS OF SOUTH
PADRE ISLAND. OTHER UPDATES: MORE RAINFALL LOCATIONS ADDED AND
STORM EFFECTS UPDATED TO INCLUDE TWO ADDITIONAL INJURIES AS WELL AS
KNOWN POWER OUTAGES IN DEEP SOUTH TEXAS AND THE LOWER RIO GRANDE
VALLEY. ALSO UPDATED METAR WINDS FOR WESLACO (KT65) BROOKS COUNTY
(KBKS) AND JIM HOGG COUNTY (KHBV) AIRPORTS.

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 -97.42 994.2 23/1933 260/044 23/1819 260/059 23/1830

KMFE-MCALLEN MILLER ARPT
26.17 -98.24 994.1 24/0053 I 280/030 24/0013 I 270/045 24/0023 I

KHRL-HARLINGEN VALLEY INTL ARPT
26.22 -97.66 982.9 23/2152 I 300/049 23/1913 I 300/064 23/1850 I

KPIL-PORT ISABEL ARPT
26.15 -97.23 991.3 23/1553 I 320/050 23/1603 I 150/069 22/0140 I

KT65-WESLACO
26.17 -97.97 987.9 24/0205 280/040 24/0005 300/062 23/2225

KEBG-EDINBURG INTL ARPT
26.44 -98.13 9999.0 I 320/040 24/0005 I 320/052 24/0005 I

KBKS-BROOKS COUNTY ARPT
26.20 -98.12 994.2 24/0645 I 090/031 24/0325 I 100/045 24/0645 I

KHBV-HEBBRONVILLE JIM HOGG ARPT
27.33 -98.73 9999.0 I 170/033 24/1405 I 160/047 24/1425 I

KALI-ALICE INTL ARPT
27.74 -98.03 1003.3 24/0953 150/032 24/1153 140/055 24/1214

KCRP-CORPUS CHRISTI INTL ARPT
27.77 -97.50 1004.6 23/2251 070/029 23/2051 150/046 24/0924

KRKP-ARANSAS COUNTY ARPT
28.08 -97.04 1006.4 23/2253 100/029 23/1947 110/040 23/1946

KCOT-COTULLA LA SALLE
28.45 -99.22 1005.6 24/1253 110/029 24/1653 120/043 24/1708

NON-METAR OBSERVATIONS...

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

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LOCATION  ID      MIN    DATE/    MAX    DATE/    PEAK    DATE/
LAT  LON    PRES   TIME     SUST   TIME     GUST    TIME
DEG DECIMAL (MB)  (UTC)  (KT)   (UTC)   (KT)   (UTC)
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0105A
26.27 -97.46    0.0           I 266/053 23/2036 265/067 23/2038
                2.25

0107A
26.19 -97.38    0.0           I 256/049 23/1904 270/063 23/1906
                2.25

0109A
26.24 -97.56    0.0           I 289/057 23/2112 289/067 23/2111
                2.25

0111A
26.07 -97.16    0.0           I 183/043 23/1858 228/062 23/1703
                2.25

0112A
26.16 -97.17    0.0           I 262/068 23/1820 264/081 23/1820
                2.25

0213A
25.98 -97.19    0.0           I 311/050 23/1342 330/062 23/1251
                2.25

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0214B							
25.91	-97.37	0.0		203/044	23/2016	191/062	23/2015
				2.25			
0215A							
25.96	-97.28	0.0	I	290/040	23/1514	252/067	23/1717
				2.25			
0217A							
26.04	-97.24	0.0	I	259/043	23/1737	260/059	23/1727
				2.25			
0218B							
26.10	-97.40	0.0	I	264/043	23/1821	216/053	23/2100
				2.25			
0219A							
26.13	-97.60	0.0	I	239/049	23/2058	243/062	23/2157
				2.25			
0221A							
26.16	-97.47	0.0	I	275/043	23/2005	282/057	23/1926
				2.25			
0222B							
26.02	-97.49	0.0	I	252/047	23/2043	253/057	23/2043
				2.25			
0223A							
26.06	-97.47	0.0	I	233/045	24/0345	235/067	24/0256
				2.25			

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	-96.70	997.9	23/1750	100/039	23/1750	100/050	23/1750
				20/02			
PTIT2-PORT ISABEL TX							
26.06	-97.22	984.8	23/1712	240/044	23/1812		I
RSJT2-RINCON DEL SAN JOSE TX							
26.80	-97.48	990.3	23/2100	I 050/055	23/1800	I 060/066	23/1900 I

BABT2-BAFFIN BAY TX
27.30 -97.42 0.0

I 080/038 23/2300 080/048 23/2200

C. STORM TOTAL RAINFALL FROM 0300 UTC JUL 23 UNTIL 0700 UTC JUL 25

CITY/TOWN LAT LON DEG DECIMAL	COUNTY	ID	RAINFALL (IN)
BROWNSVILLE 25.92 -97.48	CAMERON	KBRO	7.02
HARLINGEN 26.19 -97.69	CAMERON	KHRL	12.00 I
ROMA 26.41 -99.00	STARR		3.50 I
SAN MANUEL 26.57 -98.12	HIDALGO	SMLT2	12.00
MISSION 26.21 -98.32	HIDALGO		8.00
FALFURRIAS 27.22 -98.14	BROOKS	FAFT2	6.90
MCCOOK 26.48 -98.38	HIDALGO	MCOT2	8.28
2.6 NW MCALLEN 26.24 -98.27	HIDALGO		8.59
3 SE RANCHO VIEJO 26.00 -97.52	CAMERON	CM6	9.67
4.6 NNW BROWNSVILLE 25.98 -97.51	CAMERON	CM27	8.62
PROGRESO 26.09 -97.96	HIDALGO		8.14
11 N LA JOYA 26.40 -98.48	HIDALGO	HD5	7.84
5.9 SSE MERCEDES 26.06 -97.89	HIDALGO		6.94
8 SE PHARR 26.09 -98.10	HIDALGO		6.77

3.5 N BROWNSVILLE 25.97 -97.48	INLAND CAMERON	CM16	9.02
2.6 NE MCALLEN 26.24 -98.21	HIDALGO	HD1	8.53
4.1 E BROWNSVILLE 25.92 -97.42	INLAND CAMERON	CM17	8.29
1.5 NE ALAMO 26.20 -98.10	HIDALGO	HD6	8.18
2.8 N BROWNSVILLE 25.96 -97.48	INLAND CAMERON	CM28	7.58
LOS FRESNOS 26.07 -97.48	CAMERON	CM21	7.55
6.4 SE BROWNSVILLE 25.85 -97.41	INLAND CAMERON	CM8	7.35
1.9 ENE MISSION 26.22 -98.29	HIDALGO	HD9	6.90
RANCHO VIEJO 26.03 -97.56	CAMERON	CM1	6.39
1.7 W HARLINGEN 26.19 -97.71	INLAND CAMERON	CM18	6.37
5 SSE SAN BENITO 26.06 -97.61	INLAND CAMERON	CM19	8.23
2 NE HARLINGEN 26.21 -97.66	CAMERON	HGNT2	15.00 I
4 N FALCON DAM 26.60 -99.13	ZAPATA	FALT2	6.60
22 NE ZAPATA 27.11 -99.01	ZAPATA	ECBT2	4.70
7 E SARITA 27.21 -97.69	KENEDY	SRTT2	4.88
31 N RAYMONDVILLE 26.92 -97.78	KENEDY	ARTM2	4.70

D. INLAND FLOODING...

CAMERON...EXTENSIVE INLAND FLOODING AFFECTED MUCH OF CENTRAL
AND NORTHERN CAMERON COUNTY. HUNDREDS OF STREETS AND ROADS

HAD STANDING WATER OF UP TO 3 FEET IN SOME AREAS DUE TO THE TORRENTIAL RAINS FROM HURRICANE DOLLY. THE AREA MOST AFFECTED BY INLAND FLOODING FROM DOLLY INCLUDED THE CITIES AND TOWNS OF HARLINGEN...BAYVIEW...RIO HONDO...LAGUNA VISTA...PORT ISABEL...SANTA ROSA AND MONTE GRANDE.

WILLACY...WIDESPREAD INLAND FLOODING AFFECTED MUCH OF SOUTHERN WILLACY COUNTY PRIMARILY INUDATING THE CITIES AND TOWNS OF SANTA MONICA...LYFORD...SEBASTIAN...LOS COYOTES AND RAYMONDVILLE WITH 2 TO 3 FEET OF WATER.

HIDALGO...WIDSPREAD INLAND FLOODING AFFECTED MUCH OF EAST CENTRAL HIDALGO COUNTY DUE TO THE TORRENTIAL RAINS ASSOCIATED WITH HURRICANE DOLLY. THE HARDEST HIT AREAS IN HIDALGO COUNTY ARE EDCOUCH...ELSA... MONTE ALTO AND LA VILLA. THE 2008 COTTON AND SORGHUM CROPS IN THE LOWER RIO GRANDE VALLEY SUSTAINED SIGNIFICANT TO NEAR TOTAL CROP LOSSES DUE TO INLAND FLOODING AND SUSTAINED TROPICAL STORM FORCE WINDS. IBWC REPORTED THAT A STRUCTURE WHICH ALLOWS THE CANAL TO DRAIN INTO THE ARROYO COLORADO HAD COLLAPSED CREATING AN OBSTRUCTION ALLOWING FLOOD WATERS TO REACH INTO AN ADJACENT COMMUNITY.

 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	3.30	3.85	23/1445	MODERATE
CAMERON	SOUTH PADRE ISL	2.00	3.00	23/1500	MODERATE I
MAYOR REPORTED 3 FEET OF WATER BREACHING DUNES BEFORE WINDS SHIFTED TO WEST.					
WILLACY	PORT MANSFIELD	4.00	5.00	23/1830	MODERATE
STORM SURGE AND STORM TIDE ESITMATED.					
CAMERON	PORT OF BROWNSV	4.00	5.00	23/1430	MODERATE I
STORM SURGE AND STORM TIDE ESTIMATED.					
CAMERON	PORT ISABEL	3.00	4.00	23/1445	MODERATE I
STORM SURGE AND STORM TIDE DATA IS PRELIMINARY AND ESTIMATED.					
CAMERON	SOUTH PADRE ISL	4.00	4.00	23/1730	MODERATE I
BAY WATER FLOWED EAST FROM THE LAGUNA MADRE INUNDATING THE BAY SIDE OF SOUTH PADRE ISLAND WITH 3 TO 4 FEET OF WATER. THE WEST END OF					

ESPERANZA STREET HAD WATER UP TO 4 FEET OVER ITS BERM AND GULF BOULEVARD WAS TOTALLY UNDER WATER.

F. TORNADOES...

(DIST)CITY/TOWN LAT LON (DEG DECIMAL) DESCRIPTION	COUNTY	DATE/ TIME(UTC)	EF SCALE (IF KNOWN)
3 NW RANCHO VIEJO 26.06 -97.59	INLAND CAMERON	23/0414	EF0

ROPE TORNADO REPORTED BY SPOTTERS NEAR HIGHWAY 100 AND 77.

LOS FRESNOS 26.07 -97.48	CAMERON	23/2240	EF0
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POSSIBLE TORNADO AT 2480 AND 3069. LIFTED ROOF AND A/C UNIT. ALSO DAMAGED TREES.

G. STORM IMPACTS BY COUNTY...

COUNTY DESCRIPTION	DEATHS	INJURIES	EVACUATIONS
CAMERON	0	2	0

17 YEAR OLD MALE INJURED IN FALL FROM 7TH STORY BALCONY ON SOUTH PADRE ISLAND CONDO. ANOTHER PERSON INJURED AT BAHIA MAR CONDOMINIUM WHEN PART OF STAIRWELL FELL ON HER.

CAMERON	0
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ONE DEATH REPORTED IN MATAMOROS MEXICO DUE TO ELECTROCUTION FROM DOWNED POWER LINE.

CAMERON

WIDESPREAD POWER OUTAGES REPORTED COUNTY WIDE DUE TO DOWNED POWER LINES. AT ONE POINT MORE THAN 122,000 CUSTOMERS WERE WITHOUT POWER FROM SOUTH PADRE ISLAND TO HARLINGEN AND PARTS OF BROWNSVILLE AS REPORTED BY AMERICAN ELECTRIC POWER. PARTS OF SOUTH PADRE ISLAND AND PORT ISABEL WERE STILL WITHOUT POWER A FULL WEEK LATER. ACROSS THE LOWER RIO GRANDE VALLEY ESTIMATED POWER LOSS WAS UPWARDS OF 250 THOUSAND CUSTOMERS AS DOLLY PASSED. WIDESPREAD TREE AND LIMB DAMAGE. MODERATE STRUCTURAL DAMAGE REPORTED ON SOUTH PADRE ISLAND. THE STRUCTURAL DAMAGE WAS PRIMARILY DAMAGE OR TOTAL LOSS OF ROOFS... LOST SHINGLES...PARTIAL OR TOTAL LOSS OF WALL CLADDING AND SIDING. TELEPHONE AND POWER POLES WERE DAMAGED OR SNAPPED ACROSS MUCH OF

