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PUBLIC INFORMATION STATEMENT
NATIONAL WEATHER SERVICE HOUSTON/GALVESTON TX
124 PM CDT TUE SEP 2 2014

...DRY CONDITIONS CONTINUED IN AUGUST OVER MOST OF SOUTHEAST TEXAS...

THE MONTH OF AUGUST 2014 ENDED UP ON THE DRY SIDE AND WITH NEAR NORMAL TEMPERATURES AT MOST OF THE CLIMATE SITES ACROSS SOUTHEAST TEXAS. THOSE FIRST- OR SECOND-ORDER SITES WHICH RECEIVED OVER ONE INCH OF MONTHLY RAINFALL EXPERIENCED THESE AMOUNTS DURING ONE OF THREE EPISODES.

A COLD FRONT BROUGHT COOLER THAN NORMAL CONDITIONS AND SPORADIC RAINFALL DURING THE FIRST WEEK OF THE MONTH. THE SECOND WEEK STARTED OUT WARM BUT THEN ENDED WITH ANOTHER COLD FRONTAL PASSAGE THAT BROUGHT SOME RAINFALL. THE MID MONTH PERIOD EXPERIENCED VERY WARM CONDITIONS AS THE SUBTROPICAL RIDGE BUILD OVERHEAD. AUGUST ENDED WITH THE RIDGE BREAKING DOWN AND AN UPPER LEVEL LOW PRESSURE AREA BRINGING SCATTERED THUNDERSTORMS AND COOLER THAN NORMAL TEMPERATURES.

THE CLIMATOLOGICAL SUMMER DEFINED AS THE MONTHS OF JUNE...JULY... AND AUGUST HAS COME TO AN END. THERE WERE NO 100 DEGREE DAYS RECORDED AT ANY OF THE FOUR FIRST-ORDER CLIMATE SITES DURING THIS PERIOD. HOUSTON HAS NOT HAD A SUMMER FREE OF 100 DEGREE DAYS SINCE SINCE 1997 AND COLLEGE STATION HAS NOT ACHIEVED THIS FEAT SINCE 2004. THE AVERAGE TEMPERATURE FOR THE SUMMER WAS ALSO COOLER THAN NORMAL FOR AREAS NORTH OF I-10 AND A BIT WARMER THAN NORMAL FOR AREAS SOUTH OF OF I-10. THE FOLLOWING TABLE GIVES THE 2014 SUMMER AVERAGE TEMPERATURE ALONG WITH THE 30-YEAR AVERAGE TEMPERATURE AND DEPARTURE AS A COMPARISON FOR THE FOUR FIRST-ORDER CLIMATE SITES.

SITE	2014 AVERAGE SUMMER TEMP	1981-2010 AVERAGE SUMMER TEMP	DEP
CITY OF HOUSTON	83.6	83.8	-0.2
COLLEGE STATION	83.4	84.1	-0.7
CITY OF GALVESTON	84.5	84.1	+0.3
HOUSTON HOBBY	83.7	83.3	+0.4

EVEN WITH THE SPORADIC RAIN EVENTS...DRY CONDITIONS CONTINUED OVER MOST OF SOUTHEAST TEXAS AS ALL BUT THREE OF THE CLIMATE SITES RECORDED BELOW NORMAL RAINFALL. DEFICITS RANGED BETWEEN -1.21 AND -4.33 INCHES. THE SITES WHICH EXPERIENCED ABOVE NORMAL RAINFALL WERE GALVESTON /+0.56 INCHES/...SUGAR LAND /+2.99 INCHES/...AND ANGLETON /+0.54 INCHES/. AS OF AUGUST 26TH...ABNORMALLY DRY TO MODERATE DROUGHT CONDITIONS WERE REPORTED BY THE U.S. DROUGHT

NOTES...THE LAST DATE OF OCCURRENCE IS NOTED IN THE TABLE. OTHER DATES THAT TIED ARE AS FOLLOWS...

* FOR HIGH TEMPERATURES...

CLL - 16TH
 CXO - 16TH
 UTS - 16TH...17TH...AND 18TH
 DWH - 11TH...15TH...23RD...AND 24TH
 SGR - 12TH
 LBX - 12TH
 HGX - 18TH AND 23RD

** FOR LOW TEMPERATURES...

GLS - 13TH
 CXO - 13TH
 LBX - 2ND
 LVJ - 2ND
 HGX - 2ND

FOR MAX DAILY AVERAGE TEMPERATURES...

GLS - 17TH...18TH...AND 20TH
 CLL - 18TH
 HOU - 16TH...17TH...AND 21ST
 UTS - 8TH...9TH...10TH...16TH...17TH...AND 18TH
 DWH - 8TH AND 16TH
 SGR - 16TH
 PSX - 8TH...13TH...AND 16TH
 LVJ - 16TH
 HGX - 17TH AND 18TH

FOR MIN DAILY AVERAGE TEMPERATURES...

GLS - 2ND

THE FOLLOWING TABLE LISTS THE PRELIMINARY MONTHLY TEMPERATURE AND RAINFALL DATA FOR THE FIRST- AND SECOND-ORDER CLIMATE SITES ACROSS SOUTHEAST TEXAS...

AUGUST 2014 DATA

SITE	AVE	AVE	MONTHLY AVE		MONTHLY		YEAR-TO-DATE	
	HIGH	LOW	DAILY	DEP	RAIN	DEP	RAIN	DEP
IAH	94.0	75.2	84.6	0.0	1.24	-2.52	27.89	-3.98
GLS	90.7	80.0	85.4	+0.4	4.95	+0.56	16.25	-14.93
CLL	94.7	74.7	84.7	-0.6	0.41	-2.27	22.77	-2.75
HOU	93.3	76.7	85.0	+0.8	3.45	-1.61	24.53	-10.57
CXO	93.7	71.6	82.7	-0.2	0.40	-2.94	26.45	-3.72
UTS	94.5	74.2	84.3	-0.2	0.71	-2.64	26.34	-3.00
DWH	94.0	74.5	84.3	+1.7	0.37	-4.33	26.14	-5.95
SGR	93.7	75.3	84.5	+1.1	7.13	+2.99	30.93	-0.61
LBX	91.3	73.6	82.4	-0.2	4.17	+0.54	22.54	-8.74
PSX	92.5	78.9	85.7	+1.4	1.75	-1.21	11.21	-16.53
LVJ	92.9	76.4	84.6	+1.3	2.57	-1.78	21.64	-11.46
HGX	92.3	76.2	84.3	+2.2	2.43	-2.74	24.71	-10.05

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