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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	1981-2010 AVERAGE	DEP
		SUMMER TEMP	SUMMER TEMP	
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 MONITOR GENERALLY ALONG AND WEST OF A LINE FROM SNOOK TO WALLIS TO SARGENT. THE FOLLOWING TABLE GIVES A FEW MORE DETAILS...

COUNTY U.S. DROUGHT MONITOR INDEX

AUSTIND-0FOR ALL BUT THE FAR EASTERN PORTION OF THE COUNTYBURLESOND-0FOR ALL BUT THE FAR EASTERN PORTION OF THE COUNTYBRAZORIAD-0ALONG THE MATAGORDA COUNTY LINECOLORADOD-1WESTERN THIRD AND D-0 EASTERN TWO-THIRDSJACKSOND-1EXCEPT D-0 OVER THE FAR EASTERN AND D-2 FAR WESTERNMATAGORDAD-0IN THE NORTHEASTERN HALF AND D-1 ELSEWHEREWASHINGTOND-0FOR ALL BUT THE FAR EASTERN PORTION OF THE COUNTYWHARTOND-0FOR ALL BUT THE FAR EASTERN PORTION OF THE COUNTY

NOTES...

INDEX	INTENSITY
D-0	ABNORMALLY DRY
D-1	MODERATE DROUGHT
D-2	SEVERE DROUGHT

HERE IS A LIST OF SOME HIGH AND LOW EXTREMES RECORDED AT THE FIRST- AND SECOND-ORDER CLIMATE SITES. NOTE THAT SOME OF THESE ARE THE LAST DATE OF OCCURRENCE FOR EACH SITE. SEE THE TABLE FOLLOWING THIS LIST FOR MORE DETAILS.

-	WARMEST	DAILY	MAXIMUM	TEMPERATURE.	1	_00	ΑT	PSX	ON	THE	13TH
-	COLDEST	DAILY	MINIMUM	TEMPERATURE.	••	64	AT	UTS	ON	THE	13TH
-	WARMEST	DAILY	AVERAGE	TEMPERATURE.	••	89	AT	IAH	ON	THE	16TH
						89	AT	GLS	ON	THE	25TH
						89	AT	CLL	ON	THE	21ST
						89	AT	PSX	ON	THE	19TH
-	COOLEST	DAILY	AVERAGE	TEMPERATURE.		75	AT	DWH	ON	THE	2ND
-	HIGHEST	DAILY	RAINFALI	J • • • • • • • • • • • •	3	3.00) A1	GLS	S ON	J THE	28тн

THE FOLLOWING TABLE GIVES INDIVIDUAL SITE TEMPERATURE AND RAINFALL EXTREMES FOR THE MONTH MEASURED AT THE FIRST- AND SECOND-ORDER CLIMATE STATIONS...

DAILY MAX			DAII	LY MIN	DA	MAX RNFALL				
SITE	TMP	DATES	TMP	DATES	MAX	DATES	MIN	DATES	PCPN	DATES
IAH	99	25	71	2	89	16	77	2	0.83	31
GLS	97	25	74	28**	89	25#	80	28##	3.00	28
CLL	99	25*	69	2	89	21#	76	2	0.17	5
HOU	98	25	72	2	88	25#	78	2	1.50	31
CXO	98	17*	68	14**	87	17	76	2	0.13	19
UTS	98	21*	64	13	88	21#	76	1	0.31	17
DWH	98	25*	69	2	88	17#	75	2	0.16	31
SGR	98	22*	70	2	88	21#	76	2	2.97	29
LBX	97	25*	69	3**	86	17	77	2	2.17	31
PSX	100	13	70	3	89	19#	80	30	0.87	1
LVJ	98	25	72	3**	88	21#	78	2	1.53	31
HGX	97	25*	71	2**	88	21#	77	2	0.83	31

NOTES...THE LAST DATE OF OCCURRENCE IS NOTED IN THE TABLE. OTHER DATES THAT TIED ARE AS FOLLOWS... * FOR HIGH TEMPERATURES... CLL - 16TH СХО - 16ТН UTS - 16TH...17TH...AND 18TH DWH - 11TH...15TH...23RD...AND 24TH SGR - 12TH LBX - 12TH HGX - 18TH AND 23RD ** FOR LOW TEMPERATURES... GLS - 13TH СХО - 13ТН 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

	AVE AVE		MONTH	LY AVE	MON	THLY	YEAR-TO-DATE		
SITE	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	
СХО	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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