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PUBLIC INFORMATION STATEMENT
NATIONAL WEATHER SERVICE HOUSTON/GALVESTON TX
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...BENEFICIAL RAINFALL AND CONTINUED COOLER THAN NORMAL IN MAY...

MUCH NEEDED RAINFALL BROUGHT DROUGHT RELIEF TO SOUTHEAST TEXAS DURING THE MONTH OF MAY. THE MONTH WAS UNUSUALLY COOL...A TREND THAT HAS NOW PERSISTED FOR OVER A HALF A YEAR AT THE FIRST-ORDER CLIMATE SITES. AS A MATTER OF FACT...THE DAYTIME HIGH TEMPERATURE REACHED 90 DEGREES AT ONLY ONE OF THE FOUR SITES WHEN COLLEGE STATION RECORDED 90 ON THE 30TH.

ABOVE NORMAL RAINFALL OCCURRED AT MOST OF THE FIRST- AND SECOND-ORDER CLIMATE SITES...ALTHOUGH THE RAINFALL FELL MAINLY DURING THE SECOND AND LAST WEEKS OF THE MONTH. THIS LED TO DROUGHT RELIEF IN ALL AREAS...ALTHOUGH RAINFALL AT THE COAST WAS LIMITED WITH BOTH GALVESTON AND PALACIOS ENDING THE MONTH BELOW NORMAL. THE OTHER BIG RAINFALL STORY WAS THE FACT THAT MANY OF THE INLAND CLIMATE SITES RECORDED OVER 7 INCHES OF MONTHLY RAINFALL AND FOUR REPORTED IN EXCESS OF 10 INCHES. THREE SITES RECORDED ENOUGH RAINFALL TO END THE MONTH ABOVE NORMAL FOR THE YEAR. AS OF MAY 31ST THE YEARLY DEPARTURE WAS REPORTED TO BE +0.68 AT THE CITY OF HOUSTON...+0.79 AT CONROE... AND +0.13 AT HOOKS AIRPORT.

THE BELOW NORMAL AVERAGE MONTHLY TEMPERATURE TREND WHICH BEGAN IN AUTUMN OF 2013 CONTINUED THROUGH THE MONTH OF MAY. THE FOLLOWING TABLE LISTS THE MONTHLY AVERAGE TEMPERATURE DEPARTURES FOR THE FIRST-ORDER CLIMATE SITES. NOTE THAT THE CONSECUTIVE STREAK HAS NOW REACH 8 MONTHS FOR IAH AND CLL...AND 7 MONTHS FOR GLS AND HOU.

SITE	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY
IAH	-0.2	-4.2	-3.0	-3.6	-1.7	-3.9	-0.1	-2.8
GLS	+0.4	-4.1	-4.0	-3.2	-3.2	-3.3	-0.7	-2.6
CLL	-0.2	-4.3	-3.7	-3.4	-2.5	-4.6	-0.3	-2.7
HOU	+0.5	-3.8	-2.9	-3.0	-1.4	-3.4	-0.2	-2.8

TO PUT THIS COOL PERIOD INTO PROSPECTIVE...THE FOLLOWING LISTS SOME STATISTICS REGARDING 90-DEGREE DAYTIME HIGH TEMPERATURES DAYS FOR JUST THE CITY OF HOUSTON.

- 1981-2010 AVERAGE MAY 90-DEGREE DAYS.....8.4
- 1981-2010 AVERAGE JAN-MAY 90-DEGREE DAYS...9.6
- 1981-2010 AVERAGE 90-DEGREE FIRST DATE.....APRIL 30TH
- 1981-2010 EARLIEST 90-DEGREE DATE.....FEBRUARY 20 OF 1986

- 1981-2010 LATEST SPRING 90-DEGREE DATE.....MAY 30 OF 1983
- NUMBER OF MAY 2014 90-DEGREE DAYS.....0
- NUMBER OF JAN-MAY 2014 90-DEGREE DAYS.....1
- 2014 90-DEGREE START DATE.....92 ON APRIL 28TH

SEVERAL FACTORS HAVE LED TO THE COOLER THAN NORMAL CONDITIONS. ONE WAS THE TWO WEEKS OF WIDESPREAD CLOUDINESS AND RAINFALL. ANOTHER HAS BEEN THE FACT THAT WATER TEMPERATURES NEAR THE COAST HAVE STAYED RELATIVELY COOL. HERE IS A SAMPLING OF WATER TEMPERATURE READINGS REPORTED AT THE NORTH JETTY BUOY LOCATED BETWEEN GALVESTON ISLAND AND THE BOLIVAR PENINSULA...

- MAY 1ST...70 DEGREES
- MAY 7TH...72 DEGREES
- MAY 14TH...72 DEGREES
- MAY 21ST...78 DEGREES
- MAY 28TH...80 DEGREES

NOW FOR SOME OF THE HIGH AND LOW EXTREMES RECORDED AT THE FIRST- AND SECOND-ORDER CLIMATE SITES...

- WARMEST DAILY AVERAGE TEMPERATURE...83 AT PSX ON THE 30TH
- COOLEST DAILY AVERAGE TEMPERATURE...58 AT CXO AND UTS ON THE 1ST
- COLDEST DAILY MINIMUM TEMPERATURE...41 AT CXO ON THE 1ST
- WARMEST DAILY MAXIMUM TEMPERATURE...92 AT SGR ON THE 30TH
- HIGHEST DAILY RAINFALL.....3.72 AT LBX ON THE 28TH

HERE ARE INDIVIDUAL SITE TEMPERATURE AND RAINFALL EXTREMES FOR THE MONTH MEASURED AT THE FIRST- AND SECOND-ORDER CLIMATE STATIONS...

SITE	DAILY MAX		DAILY MIN		DAILY AVERAGE TEMP				MAX RNFALL	
	TMP	DATES	TMP	DATES	MAX	DATES	MIN	DATES	PCPN	DATES
IAH	88	30*	48	1	81	11	62	1	3.44	13
GLS	86	30	55	15	81	30	66	15	2.11	28
CLL	90	30	46	1	81	11	61	1	2.84	27
HOU	88	30*	50	15	81	11	64	15##	3.24	26
CXO	88	30*	41	1	81	11	58	1	3.51	12
UTS	89	30	42	1	81	11	58	1	2.00	13
DWH	90	30	46	1	82	11	61	1	2.81	26
SGR	92	30	47	1	82	30#	61	1	3.27	28
LBX	91	30	44	15	81	30	61	2##	3.72	28
PSX	91	30	50	15**	83	30	62	1	1.06	13
LVJ	90	30	49	15**	81	30	63	1	2.23	28
HGX	89	30	47	15	80	30	59	1	2.86	28

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

- * FOR HIGH TEMPERATURES...
 - IAH - 3RD...4TH...24TH...AND 29TH
 - HOU - 3RD AND 29TH

CXO - 3RD...4TH...10TH...11TH...20TH...AND 21ST

**FOR LOW TEMPERATURES...

PSX - 2ND

LVJ - 2ND

FOR MAX DAILY AVERAGE TEMPERATURES...

SGR - 11TH

##FOR MIN DAILY AVERAGE TEMPERATURES...

HOU - 1ST AND 14TH

LBX - 1ST

HERE IS THE MONTHLY TEMPERATURE AND RAINFALL DATA FOR FIRST- AND SECOND-ORDER CLIMATE SITES ACROSS SOUTHEAST TEXAS...

MAY 2014 DATA

SITE	AVE		MONTHLY AVE		MONTHLY		YEAR-TO-DATE	
	HIGH	LOW	DAILY	DEP	RAIN	DEP	RAIN	DEP
IAH	83.8	64.4	74.1	-2.8	11.71	+6.62	19.07	+0.68
GLS	80.4	69.6	75.0	-2.6	3.72	-0.60	8.69	-8.61
CLL	83.9	63.1	73.5	-2.7	9.01	+4.68	14.03	-2.22
HOU	83.2	65.2	74.2	-2.8	10.37	+5.62	16.84	-1.44
CXO	83.7	59.9	71.8	-2.6	9.77	+4.85	16.91	+0.79
UTS	83.2	63.1	73.1	-3.0	8.42	+3.88	17.23	-0.57
DWH	83.4	63.8	73.6	-2.2	11.92	+7.15	18.46	+0.13
SGR	84.9	64.1	74.5	-1.9	10.01	+5.38	17.56	-0.46
LBX	82.5	63.8	73.1	-2.4	6.19	+2.16	10.22	-7.20
PSX	81.9	68.4	75.1	-2.0	1.66	-2.55	5.35	-10.18
LVJ	83.3	64.9	74.1	-2.0	7.19	+2.65	13.20	-5.29
HGX	82.3	64.0	73.1	-2.0	8.70	+4.05	15.05	-3.53

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