

PUBLIC INFORMATION STATEMENT
 NATIONAL WEATHER SERVICE HOUSTON/GALVESTON TX
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...2014 - THE YEAR IN REVIEW...

WHAT WAS UNIQUE TO 2014? THERE WERE THREE WINTER WEATHER EVENTS EARLY IN THE YEAR. THERE WERE NO LAND FALLING TROPICAL SYSTEMS ALONG THE UPPER TEXAS COAST. 2014 WAS A BIT COOLER AND DRIER THAN NORMAL. THE ANNUAL AVERAGE TEMPERATURE WAS 1 TO 3 DEGREES COOLER THAN THE 30-YEAR NORMAL (1981-2010). THE SUMMER OF 2014 WAS CLOSE TO SEASONAL VALUES AND THERE WERE NO 100 DEGREE DAYS AT THE FOUR PRIMARY CLIMATE SITES DURING THE YEAR. THE CITY OF HOUSTON HAS NOT RECORDED A DAY WITH HIGH TEMPERATURES AT OR EXCEEDING 100 DEGREES SINCE SEPTEMBER 3 2013...OR 484 DAYS AND COUNTING THROUGH THE END OF 2014. CURRENTLY THIS IS THE 30TH LONGEST STRETCH OF CONSECUTIVE DAYS WITHOUT REACHING 100 DEGREES FOR THE CITY OF HOUSTON. THE LONGEST SUCH STREAK BETWEEN 100 DEGREE DAYS WAS 1857 DAYS WHICH OCCURRED BETWEEN JULY 8TH 1971 AND AUGUST 6TH 1976. THE FOLLOWING TABLE LISTS A COUPLE OF 100-DEGREE DAY STATISTICS FOR THE FOUR FIRST-ORDER SITES.

SITE	CONSECUTIVE DAYS OF NO 100-DEG DAYS	LAST 100-DEG DAY DATE
CITY OF HOUSTON	484	3 SEP 2013
CITY OF GALVESTON	919	24 JUN 2012
HOBBY AIRPORT	511	29 JUN 2013
COLLEGE STATION	484	3 SEP 2013

HERE ARE THE 2014 ANNUAL VALUES FOR THE FOUR PRIMARY CLIMATE SITES...

SITE	AVG HIGH	AVG LOW	AVG TEMPERATURE ANNUAL DEPARTURE		AVG RAINFALL ANNUAL DEPARTURE	
CLL	77.7	57.7	67.7	-1.3	40.06	- 0.45
IAH	78.6	59.0	68.7	-1.1	43.72	- 6.05
HOU	78.0	60.8	69.5	-0.7	41.13	-13.52
GLS	76.1	64.4	70.2	-1.0	31.89	-18.87

* NOTE...ROUNDING DIFFERENCES HAVE CAUSED SOME DIFFERENCES WHEN CALCULATING AVERAGE YEARLY TEMPERATURE DIFFERENT WAYS.

HOW COLD HAS THIS YEAR BEEN IN COMPARISON TO OTHER YEARS THOUGH? HOW DRY HAS IT BEEN COMPARED TO OTHER YEARS? THE TABLE BELOW GIVES THE RANKS FOR EACH OF THE FIRST-ORDER CLIMATE SITES ON HOW DRY AND HOW COLD IT HAS BEEN.

SITE	ANNUAL RAINFALL	RANK DRIEST/ # OF YEARS	AVG ANNUAL TEMP	RANK COLDEST/ # OF YEARS
CLL	40.06	59TH /112	67.7	37TH*/112
IAH	43.72	56TH /123	68.7	31ST*/123
HOU	41.13	27TH / 84	69.5	41ST*/ 84
GLS	31.89	19TH*/143	70.2	79TH*/143

*INDICATES A TIE

RAINFALL VALUES WERE NEAR NORMAL NORTH OF A LINE FROM BRENHAM TO LIVINGSTON...ABOUT 4 TO 8 INCHES BELOW NORMAL SOUTH OF THAT LINE BUT NORTH OF A LINE FROM WHARTON TO HOUSTON TO LIBERTY...AND 10 TO 15 INCHES BELOW NORMAL SOUTH OF THIS LINE AND TOWARD THE COAST. RAINFALL HAS BEEN BELOW NORMAL SINCE 2009 WITH AREAS SOUTH OF I-10 AND TOWARD THE COAST BEARING THE BRUNT OF THE LATEST SHORT TERM AND LONG TERM DROUGHT. HERE ARE THE ANNUAL RAINFALL TOTALS FOR THE LAST SIX YEARS AND THEIR RESPECTIVE DEFICITS FOR THE FOUR PRIMARY CLIMATE SITES ACROSS SOUTHEAST TEXAS.

CITY OF HOUSTON

YEAR	RAIN	DEFICIT
2009	47.01	- 0.83
2010	42.72	- 5.12
2011	24.57	-23.27
2012	42.32	- 7.45
2013	38.84	-10.93
2014	43.72	- 6.05

SIX YEAR DEFICIT . . . -53.65

COLLEGE STATION

YEAR	RAIN	DEFICIT
2009	38.98	- 0.69
2010	27.78	-11.89
2011	19.97	-19.70
2012	41.18	+ 1.12
2013	39.35	- 0.71
2014	43.72	- 0.44

SIX YEAR DEFICIT . . . -32.31

CITY OF GALVESTON

YEAR	RAIN	DEFICIT
2009	37.16	-6.68
2010	33.14	-10.70
2011	22.95	-20.89
2012	47.21	- 3.55
2013	39.24	-11.52
2014	31.89	-18.88

SIX YEAR DEFICIT . . . -72.22

HOUSTON HOBBY

YEAR	RAIN	DEFICIT
2009	52.65	-1.31
2010	47.02	- 6.94
2011	25.41	-28.55
2012	51.86	- 2.79
2013	43.06	-11.59
2014	41.13	-13.52

SIX YEAR DEFICIT . . . -64.70

HERE ARE THE WARMEST AND COLDEST TEMPERATURES OF THE YEAR FOR THE FOUR FIRST-ORDER CLIMATE SITES...

	IAH	HOU	CLL	GLS
WARMEST	99 8/25 99 7/28	98 8/25 98 8/11	99 8/25 99 8/16	97 8/25
COLDEST	21 1/7	25 1/7	19 1/7	28 1/7
WETTEST	3.91 7/31	3.24 5/26	4.55 7/17	3.00 8/28

HERE IS A BRIEF REVIEW OF EACH MONTH OF 2014 WITH TEMPERATURE AND RAINFALL DATA FOR THE PRIMARY AND SECONDARY CLIMATE SITES ACROSS SOUTHEAST TEXAS.

JANUARY 2014...

THE MONTH STARTED OUT WITH NEAR SEASONAL VALUES BUT TEMPERATURES TRENDED COLDER AS THE MONTH PROGRESSED. A MIXED PRECIPITATION EVENT MOVED ACROSS SOUTHEAST TEXAS ON THE 24TH WITH A TENTH OF AN INCH OF ICE AT HOUSTON AND A SWATH OF 2 TO 4 INCHES OF SNOW FROM MADISONVILLE TO HUNTSVILLE TO COLDSRING. 4 INCHES OF SNOW WAS REPORTED AT ONALASKA. THE AVERAGE MONTHLY TEMPERATURE WAS 3 TO 4 DEGREES COLDER THAN THE 30-YEAR NORMALS. PRECIPITATION WAS 1 TO 3 INCHES DRIER THAN NORMAL.

SITE	AVG	AVG	AVG TEMPERATURE		JAN	RAINFALL DEP	
	HIGH	LOW	MONTH	DEPARTURE	RAIN	MONTH	JAN-JAN
IAH	61.9	37.1	49.5	-3.6	0.96	-2.42	-2.42
HOU	62.5	39.7	51.1	-3.0	0.53	-3.34	-3.34
CLL	59.6	35.7	47.7	-3.4	1.29	-1.95	-1.95
GLS	60.1	43.8	52.0	-3.2	1.36	-2.84	-2.84
CXO	60.4	32.0	46.2	-4.5	2.08	-1.70	-1.70
DWH	61.4	36.1	48.8	-2.7	1.47	-2.08	-2.08
LBX	63.5	36.3	49.9	-3.7	0.72	-3.73	-3.73
LVJ	63.3	39.1	51.2	-2.1	0.53	-3.69	-3.69
PSX	62.5	39.5	51.0	-3.3	0.46	-2.91	-2.91
SGR	62.8	37.7	50.3	-2.1	1.42	-2.18	-2.18
UTS	59.5	35.8	47.7	-3.1	1.98	-1.84	-1.84
HGX	61.6	37.4	49.5	-3.1	0.78	-3.69	-3.69

FEBRUARY 2014...

FEBRUARY WAS AGAIN COLDER AND DRIER THAN THE 30-YEAR NORMALS. MOST CLIMATE SITES ACROSS SOUTHEAST TEXAS WERE 1 TO 2 DEGREES COLDER THAN NORMAL AND ABOUT AN INCH OR SO DRIER THAN NORMAL. AN UPPER LEVEL DISTURBANCE BROUGHT A LIGHT MIXED PRECIPITATION EVENT TO MAINLY BRAZOS AND BURLESON COUNTIES ON THE 6TH WITH LIGHT FREEZING RAIN AND SOME SLEET. A SEVERE THUNDERSTORM BROUGHT QUARTER SIZED HAIL TO BAYTOWN ON THE 20TH.

SITE	AVG HIGH	AVG LOW	AVG TEMPERATURE MONTH	TEMPERATURE DEPARTURE	FEB RAIN	RAINFALL MONTH	DEP JAN-FEB
IAH	64.0	45.4	54.7	-1.7	2.39	-0.81	-3.23
HOU	64.5	47.2	55.9	-1.4	2.09	-1.12	-4.46
CLL	62.2	42.0	52.1	-2.5	0.89	-1.06	-3.91
GLS	60.7	48.1	54.4	-3.2	1.69	-0.88	-3.72
CXO	62.6	41.1	51.9	-1.8	2.44	-0.82	-2.52
DWH	63.8	44.8	54.3	-0.8	1.75	-1.28	-3.36
LBX	65.0	45.0	55.0	-1.7	0.80	-2.14	-5.87
LVJ	65.9	47.8	56.9	+0.1	1.57	-1.61	-5.30
PSX	63.6	46.5	55.0	-2.2	0.90	-1.45	-4.36
SGR	64.9	46.5	55.7	-0.3	2.13	-1.09	-3.27
UTS	61.5	41.7	51.6	-2.8	2.66	-0.40	-2.24
HGX	64.0	45.4	54.7	-1.4	1.78	-1.13	-4.82

MARCH 2014...

MARCH WAS JUST LIKE THE FIRST TWO MONTHS OF THE YEAR...COLDER AND DRIER THAN THE 30-YEAR NORMALS. THE MONTHLY AVERAGE TEMPERATURE WAS 3 TO 5 DEGREES COLDER THAN NORMAL. ON MARCH 2ND...AN UPPER LEVEL DISTURBANCE BROUGHT MORE MIXED PRECIPITATION TO SOUTHEAST TEXAS. A MIXTURE OF SLEET AND FREEZING RAIN BROUGHT SIGNIFICANT GLAZING TO TREES...POWERLINES...AND ELEVATED ROADWAYS TO AREAS GENERALLY NORTHWEST OF A LINE FROM EDNA TO HOUSTON TO LIBERTY. STRONG THUNDERSTORMS ROLLED THROUGH THE NORTHERN HALF OF SOUTHEAST TEXAS ON THE 28TH WITH GOLF BALL SIZE HAIL WEST OF MADISONVILLE AND NUMEROUS TREES DOWN NORTH OF HUNTSVILLE.

SITE	AVG HIGH	AVG LOW	AVG TEMPERATURE MONTH	TEMPERATURE DEPARTURE	MAR RAIN	RAINFALL MONTH	DEP JAN-MAR
IAH	69.4	48.3	58.8	-3.9	2.45	-0.96	-4.19
HOU	69.1	50.7	59.9	-3.4	2.54	-0.66	-5.12
CLL	67.6	45.9	56.8	-4.6	1.61	-1.56	-5.47
GLS	66.3	54.0	60.1	-3.3	1.82	-1.34	-5.06
CXO	68.6	43.4	56.0	-4.3	2.05	-1.14	-3.66
DWH	69.0	47.9	58.5	-2.3	2.85	-0.74	-4.10
LBX	68.8	48.2	58.5	-3.5	1.85	-1.62	-7.49
LVJ	70.3	51.1	60.7	-1.8	1.72	-1.31	-6.61
PSX	68.2	51.3	59.8	-3.1	2.16	-0.84	-5.20
SGR	68.2	50.8	59.5	-2.8	4.22	+0.79	-3.89
UTS	67.4	45.6	56.5	-4.1	2.41	-1.00	-3.24
HGX	67.7	49.8	58.7	-3.1	2.33	-0.91	-5.73

APRIL 2014...

THE WEATHER WAS A BIT MORE ACTIVE IN APRIL AS SEVERAL EPISODES OF SEVERE WEATHER OCCURRED DURING THE MONTH. A TORNADO TOUCHED DOWN IN LOVELADY ON THE 13TH. A MOBILE HOME AND SEVERAL TRAILERS WERE DAMAGED AND THE LOVELADY HIGH SCHOOL ALSO SUFFERED SOME MINOR DAMAGE. A CLUSTER OF STORMS NEAR PEARLAND AND MANVEL WAS A PROLIFIC LIGHTNING PRODUCER AND SEVERAL STRUCTURES CAUGHT FIRE FROM LIGHTNING STRIKES. AN UPPER LEVEL DISTURBANCE BROUGHT GOLF BALL SIZE HAIL FROM BURTON TO KENNARD ON THE 27TH. TEMPERATURES DURING THE MONTH WERE GENERALLY NEAR NORMAL VALUES BUT RAINFALL WAS ONCE AGAIN ABOUT 1 TO 2 INCHES BELOW THE 30-YEAR NORMALS. THE CITY OF GALVESTON HAD ONE OF ITS DRIEST APRILS ON RECORD WITH JUST A TENTH OF AN INCH OF RAINFALL DURING THE MONTH.

SITE	AVG HIGH	AVG LOW	AVG TEMPERATURE MONTH	TEMPERATURE DEPARTURE	APR RAIN	RAINFALL MONTH	DEP JAN-APR
IAH	79.0	59.8	69.4	-0.1	1.56	-1.75	-5.94
HOU	78.4	60.9	69.7	-0.2	1.31	-1.94	-7.06
CLL	78.3	58.0	68.2	-0.3	1.23	-1.43	-6.90
GLS	75.4	63.5	69.4	-0.7	0.10	-2.95	-8.01
CXO	78.3	54.7	66.5	-0.4	0.57	-2.10	-5.76
DWH	78.7	59.1	68.9	+1.0	0.47	-2.92	-7.02
LBX	78.3	57.4	67.9	-0.8	0.66	-1.87	-9.36
LVJ	78.7	60.7	69.7	+0.7	2.19	-1.33	-7.94
PSX	78.3	60.8	69.6	-0.3	0.17	-2.43	-7.63
SGR	80.0	59.4	69.7	+0.9	1.37	-1.95	-5.84
UTS	77.5	57.3	67.4	-0.6	1.76	-1.21	-4.45
HGX	77.6	59.6	68.6	+0.9	1.46	-1.85	-7.58

MAY 2014...

AFTER FOUR MONTHS OF BELOW NORMAL PRECIPITATION...RAINFALL RETURNED IN MAY WITH A BIT OF GUSTO. RAINFALL ACROSS SOUTHEAST TEXAS AVERAGED CLOSE TO TEN INCHES DURING THE MONTH WITH THE LOWER TOTALS TOWARD THE COAST. STRONG THUNDERSTORMS BROUGHT HEAVY RAIN ON THE 13TH AND 14TH WITH FLOODING REPORTED IN PARTS OF WASHINGTON AND COLORADO COUNTIES. ADDITIONAL STORMS BROUGHT WIND DAMAGE TO WHARTON COUNTY ON THE 26TH AND PRODUCED FLOODING IN FT BEND AND HARRIS COUNTIES ON THE 27TH.

SITE	AVG HIGH	AVG LOW	AVG TEMPERATURE MONTH	TEMPERATURE DEPARTURE	MAY RAIN	RAINFALL MONTH	DEP JAN-MAY
IAH	83.8	64.4	74.1	-2.8	11.71	+6.62	+0.68
HOU	83.2	65.2	74.2	-2.8	10.37	+5.62	-1.44
CLL	83.9	63.1	73.5	-2.7	9.01	+4.68	-2.22
GLS	80.4	69.6	75.0	-2.6	3.72	-0.60	-8.61
CXO	83.7	59.9	71.8	-2.6	9.77	+4.85	-0.91
DWH	83.4	63.8	73.6	-2.2	11.92	+7.15	+0.13
LBX	82.5	63.8	73.1	-2.4	6.19	+2.16	-7.20
LVJ	83.3	64.9	74.1	-2.0	7.19	+2.65	-5.29
PSX	81.9	68.4	75.1	-2.0	1.66	-2.55	-10.18
SGR	84.9	64.1	74.5	-1.9	10.01	+5.38	-0.46
UTS	83.2	63.1	73.1	-3.0	8.42	+3.88	-0.57
HGX	82.3	64.0	73.1	-2.0	8.70	+4.05	-3.53

JUNE 2014...

TEMPERATURES WERE GENERALLY NEAR NORMAL THROUGH THE MONTH.
THUNDERSTORMS WERE INTERMITTENT THROUGH THE MONTH WITH STORMS ON THE 10TH PRODUCING WIND DAMAGE NEAR WEIMAR AND STORMS ON THE 12TH PRODUCING PIN PONG BALL SIZE HAIL IN MONTGOMERY COUNTY.
THUNDERSTORMS ON THE 22ND KNOCKED DOWN TREES AND POWER LINES IN ALDINE AND CORRIGAN. RAINFALL IN JUNE WAS GENERALLY 1 TO 3 INCHES DRIER THAN THE 30-YEAR NORMALS.

SITE	AVG HIGH	AVG LOW	AVG TEMPERATURE MONTH DEPARTURE	JUN RAIN	RAINFALL MONTH	DEP JAN-JUN
IAH	90.7	74.2	82.5 +0.1	2.18	-3.75	-3.07
HOU	89.7	75.0	82.3 +0.3	2.98	-4.12	-5.56
CLL	90.8	74.0	82.4 +0.2	1.61	-2.84	-5.06
GLS	87.7	78.9	83.3 +0.4	1.53	-4.16	-12.77
CXO	89.7	70.7	80.2 +0.2	6.23	+0.65	-0.26
DWH	90.0	74.0	82.0 +1.2	3.89	-1.33	-1.20
LBX	88.6	73.7	81.2 +0.1	3.94	-1.73	-8.93
LVJ	89.9	75.5	82.7 +1.1	2.87	-2.68	-7.97
PSX	88.9	78.5	83.7 +1.5	2.36	-2.13	-12.31
SGR	91.1	74.6	82.8 +1.2	3.56	-1.46	-1.92
UTS	89.9	73.6	81.7 -0.1	4.00	-0.81	-1.38
HGX	89.1	75.3	82.2 +2.0	2.12	-4.31	-7.84

JULY 2014...

INTERMITTENT THUNDERSTORMS THROUGH THE MONTH BROUGHT ABOVE NORMAL RAINFALL BACK TO SOUTHEAST TEXAS...ESPECIALLY OVER THE NORTHERN HALF OF THE REGION. THERE WERE SEVERAL WEATHER EPISODES DURING THE MONTH QUARTER SIZE HAIL IN CALDWELL ON INDEPENDENCE DAY AND HAIL...HIGH WINDS AND FLOODING FROM KATY TO TOMBALL ON THE 7TH. HEAVY RAIN ASSOCIATED WITH OTHER STORMS PRODUCED FLOODING FROM COLLEGE STATION TO GROVETON ON THE 17TH AND 18TH. HEAVY RAIN AND HIGH WINDS ALSO PRODUCED ADDITIONAL DAMAGE ON THE 31ST FROM HOUSTON TO CLEVELAND TO COLDSRING.

SITE	AVG HIGH	AVG LOW	AVG TEMPERATURE MONTH DEPARTURE	JUL RAIN	RAINFALL MONTH	DEP JAN-JUL
IAH	93.1	74.3	83.7 -0.7	5.40	+1.61	-1.46
HOU	92.2	75.6	83.9 +0.1	1.26	-3.40	-8.96
CLL	92.8	73.6	83.2 -1.5	6.72	+4.58	-0.48
GLS	90.2	79.3	84.8 +0.3	1.08	-2.72	-15.49
CXO	91.3	71.5	81.4 -1.2	2.91	-0.52	-0.78
DWH	92.5	74.0	83.2 +1.1	3.42	-0.42	-1.62
LBX	90.9	72.3	81.6 -0.7	4.21	-0.35	-9.28
LVJ	92.4	75.7	84.0 +1.0	3.00	-1.71	-9.68
PSX	90.6	77.9	84.3 +0.3	1.75	-3.01	-15.32
SGR	93.4	74.5	84.0 +0.4	2.68	-1.68	-3.60
UTS	91.8	73.4	82.6 -1.5	4.40	+1.02	-0.36
HGX	91.2	74.7	82.9 +0.9	5.11	+0.53	-7.31

AUGUST 2014...

THUNDERSTORMS WITH LOCALLY HEAVY RAIN PRODUCED FLOODING OVER PARTS OF NORTHERN HARRIS COUNTY NEAR ALDINE BENDER. OTHER STORMS ON THE 11TH PRODUCED QUARTER SIZE HAIL NEAR SPRING AND WIND DAMAGE IN MONTGOMERY AND LIBERTY COUNTIES. ISOLATED STORMS ON THE 19TH PRODUCED ADDITIONAL WIND DAMAGE IN SAN JACINTO AND MADISON COUNTIES.

SITE	AVG	AVG	AVG TEMPERATURE		AUG	RAINFALL DEP	
	HIGH	LOW	MONTH	DEPARTURE	RAIN	MONTH	JAN-AUG
IAH	94.0	75.2	84.6	-0.0	1.24	-2.52	-3.98
HOU	93.3	76.7	85.0	+0.8	3.45	-1.61	-10.57
CLL	94.7	74.7	84.7	-0.6	0.41	-2.27	-2.75
GLS	90.7	80.0	85.4	+0.4	4.95	+0.56	-14.93
CXO	93.7	71.6	82.6	-0.2	0.40	-2.94	-3.72
DWH	94.0	74.5	84.3	+1.7	0.37	-4.33	-5.95
LBX	91.3	73.6	82.4	-0.2	4.17	+0.54	-8.74
LVJ	92.9	76.4	84.6	+1.3	2.57	-1.78	-11.46
PSX	92.5	78.9	85.7	+1.4	1.75	-1.21	-16.53
SGR	93.6	75.3	84.5	+1.1	7.13	+2.99	-0.61
UTS	94.5	74.2	84.3	-0.2	0.71	-2.64	-3.00
HGX	92.3	76.2	84.3	+2.2	2.43	-2.74	-10.05

SEPTEMBER 2014...

THE MONTH WAS A BIT WARMER THAN NORMAL WITH MONTHLY TEMPERATURES BETWEEN 1 AND 2 DEGREES WARMER THAN THE 30-YEAR NORMALS. RAINFALL WAS A BIT MORE VARIED WITH MONTHLY TOTALS WITHIN AN INCH OF NORMAL FOR MOST LOCATION. AN ISOLATED HEAVY RAIN EVENT PRODUCED FLOODING AROUND COLLEGE STATION ON THE 12TH. ANOTHER HEAVY RAIN EVENT BROUGHT FLOODING TO PARTS OF HARRIS...LIBERTY...AND GALVESTON COUNTIES ON THE 18TH AND THE 19TH.

SITE	AVG	AVG	AVG TEMPERATURE		SEP	RAINFALL DEP	
	HIGH	LOW	MONTH	DEPARTURE	RAIN	MONTH	JAN-SEP
IAH	89.2	72.0	80.6	+0.8	3.88	-0.24	-4.22
HOU	88.3	73.8	81.0	+0.9	4.99	-0.22	-10.79
CLL	90.0	71.1	80.6	+0.6	6.57	+3.39	+0.64
GLS	86.2	76.9	81.6	-0.0	6.11	+0.08	-14.85
CXO	89.1	68.8	78.9	+1.5	3.50	-0.34	-4.06
DWH	89.3	71.5	80.4	+2.4	5.42	+0.85	-5.10
LBX	87.1	72.0	79.6	+1.1	6.09	+0.11	-8.63
LVJ	88.6	73.6	81.1	+2.1	6.41	+1.15	-10.31
PSX	88.4	74.5	81.4	+1.4	3.53	-1.60	-18.13
SGR	89.1	73.1	81.1	+2.2	8.22	+3.70	+3.09
UTS	89.6	69.6	79.6	+1.4	0.81	-2.90	-5.90
HGX	86.4	72.9	79.7	+1.8	9.19	+2.02	-8.03

OCTOBER 2014...

TEMPERATURES WERE CONSIDERABLY WARMER THAN THE 30-YEAR NORMALS WITH THE MONTHLY AVERAGE TEMPERATURES 1 TO 3 DEGREES WARMER THAN NORMAL. RAINFALL WAS DRIER THAN NORMAL WITH MOST LOCATIONS 2 TO 3 INCHES DRIER THAN NORMAL. A BAND OF THUNDERSTORMS ON THE 2ND

PRODUCED WIND DAMAGE IN HOUSTON COUNTY AND ADDITIONAL STORMS ON THE 6TH PRODUCED MORE WIND DAMAGE AND NICKEL SIZE HAIL ACROSS HARRIS COUNTY. MINOR FLOODING WAS ALSO REPORTED IN PASADENA ON THE 6TH. ANOTHER STRONG STORM PRODUCED HALF DOLLAR SIZE HAIL IN CLEVELAND ON THE 12TH.

SITE	AVG	AVG	AVG TEMPERATURE		OCT	RAINFALL DEP	
	HIGH	LOW	MONTH	DEPARTURE	RAIN	MONTH	JAN-OCT
IAH	84.8	60.8	72.8	+1.3	2.95	-2.75	-6.97
HOU	84.5	63.9	74.2	+2.1	2.56	-3.43	-14.22
CLL	83.1	61.4	72.2	+1.4	1.81	-3.10	-2.46
GLS	82.3	70.0	76.2	+1.9	1.75	-3.77	-18.62
CXO	83.0	56.8	69.9	+1.1	3.08	-2.12	-6.18
DWH	84.1	60.3	72.2	+2.1	3.93	-1.37	-6.47
LBX	83.3	59.8	71.5	+0.7	3.46	-1.84	-10.47
LVJ	84.9	63.6	74.3	+2.9	3.04	-2.42	-12.73
PSX	84.5	65.1	74.8	+2.3	1.36	-3.62	-21.75
SGR	85.5	62.0	73.8	+3.0	2.68	-2.55	+0.54
UTS	83.1	59.9	71.5	+2.0	2.40	-2.40	-8.30
HGX	83.4	62.0	72.7	+2.9	2.48	-3.45	-11.48

NOVEMBER 2014...

COLD...COLD...COLD...NOVEMBER WAS COLD. THE MONTH AVERAGED 4 TO 5 DEGREES COLDER THAN THE 30-YEAR NORMALS. IT WAS NOT RECORD BREAKING BUT JUST CONSISTENTLY COLDER THAN NORMAL. DAYTIME HIGHS WERE CONSIDERABLY COLDER THAN NORMAL ESPECIALLY BETWEEN THE 12TH AND 18TH WHEN HIGH TEMPERATURES COULD NOT EVEN WARM TO 60 DEGREES. RAINFALL DURING THE MONTH WAS GENERALLY NEAR NORMAL VALUES.

SITE	AVG	AVG	AVG TEMPERATURE		NOV	RAINFALL DEP	
	HIGH	LOW	MONTH	DEPARTURE	RAIN	MONTH	JAN-NOV
IAH	67.6	47.2	57.4	-4.9	3.40	-0.94	-7.91
HOU	67.8	49.9	58.8	-4.4	4.44	+0.12	-14.10
CLL	65.8	45.4	55.6	-5.2	5.89	+2.67	+0.21
GLS	67.7	55.2	61.5	-3.6	3.91	-0.60	-19.22
CXO	65.6	43.3	54.4	-4.7	2.56	-2.76	-8.94
DWH	67.3	45.5	56.4	-3.6	2.66	-2.06	-8.53
LBX	67.8	47.3	57.6	-4.6	4.59	+0.06	-10.41
LVJ	68.6	50.2	59.4	-3.1	3.75	-1.03	-13.76
PSX	68.3	50.7	59.5	-4.3	4.07	+0.11	-21.64
SGR	68.5	48.2	58.3	-3.3	3.04	-1.55	-1.01
UTS	65.7	44.6	55.2	-4.3	5.81	+1.37	-6.93
HGX	67.3	48.6	58.0	-3.7	4.62	-0.29	-11.77

DECEMBER 2014...

THE MONTH WAS 2 TO 3 DEGREES WARMER THAN THE 30-YEAR NORMALS WITH RAINFALL GENERALLY WITHIN NORMAL VALUES. THUNDERSTORMS ON THE 27TH PRODUCED WIND DAMAGE IN PASADENA AND ADDITIONAL DAMAGE IN LIBERTY COUNTY. AS THE YEAR DREW TO A CLOSE IT WAS INTERESTING TO NOTE THAT RAINFALL VARIED QUITE A BIT ACROSS SOUTHEAST TEXAS. SUGAR LAND AND RICHMOND SEPARATED BY ONLY 12 MILES ENDURED VASTLY DIFFERENT

RAINFALL VALUES. RICHMOND MEASURED ONLY 32.94 INCHES OF RAIN WHILE SUGAR LAND RECORDED 50.68 INCHES OF RAIN DURING THE YEAR.

SITE	AVG HIGH	AVG LOW	AVG TEMPERATURE MONTH	DEPARTURE	DEC RAIN	RAINFALL MONTH	DEP JAN-DEC
IAH	65.2	48.7	57.0	+2.6	5.60	+1.86	-6.05
HOU	65.5	50.9	58.2	+2.6	4.61	+0.58	-13.52
CLL	62.8	47.2	55.0	+2.8	2.57	-0.66	-0.45
GLS	64.5	53.9	59.2	+1.9	3.87	+0.35	-18.87
CXO	62.9	45.9	54.4	+2.7	4.17	+0.21	-8.73
DWH	65.1	47.9	56.5	+3.6	3.24	-0.56	-9.09
LBX	65.4	49.2	57.3	+2.0	3.28	-0.49	-10.90
LVJ	66.4	51.4	58.9	+4.0	3.45	-0.64	-14.40
PSX	66.9	51.9	59.4	+3.5	3.32	+0.54	-21.10
SGR	66.5	49.8	58.2	+4.1	4.22	+0.62	-0.39
UTS	62.3	46.2	54.2	+2.7	3.54	-0.31	-7.24
HGX	64.1	49.0	56.6	+2.3	4.46	+0.42	-11.35

IAH - HOUSTON BUSH INTERCONTINENTAL AIRPORT - OFFICIAL CITY OF HOUSTON OBSERVATION SITE AND FIRST-ORDER CLIMATE SITE
HOU - HOUSTON HOBBY AIRPORT - FIRST-ORDER CLIMATE SITE
CLL - COLLEGE STATION - EASTERWOOD FIELD - FIRST-ORDER CLIMATE SITE
GLS - CITY OF GALVESTON - SCHOLES FIELD - FIRST-ORDER CLIMATE SITE
CXO - CONROE - LONE STAR AIRPORT
DWH - TOMBALL - DW HOOKS AIRPORT
LBX - ANGLETON/LAKE JACKSON - TEXAS GULF COAST MUNICIPAL AIRPORT
LVJ - PEARLAND - PEARLAND REGIONAL AIRPORT
PSX - PALACIOS - PALACIOS MUNICIPAL AIRPORT
SGR - SUGAR LAND - SUGAR LAND MUNICIPAL AIRPORT (HULL FIELD)
UTS - HUNTSVILLE - HUNTSVILLE REGIONAL AIRPORT (BRUCE BROTHERS)
HGX - LEAGUE CITY - NWS FORECAST OFFICE

HERE IS THE MONTHLY AND ANNUAL RAINFALL TOTALS FROM OUR NETWORK OF CO-OP VOLUNTEERS. THE ANNUAL RAINFALL DEPARTURE WILL ALSO BE PROVIDED...

LOCATION	JAN	FEB	MAR	APR	MAY	JUN	JUL
ANAHUAC	1.40	5.51	3.93	1.15	4.18	2.89	3.78
BAY CITY	1.44	1.43	3.19	0.13	3.82	3.58	1.41
BAYTOWN	1.09	5.84	3.50	1.86	8.42	5.35	7.00
BELLVILLE	2.59	1.43	3.36	0.70	13.00	1.78	1.25
BRENHAM	2.50	2.16	3.42	0.94	12.57	2.20	1.45
CALDWELL	1.06	0.54	1.56	0.97	6.20	1.81	2.55
CLEVELAND	0.94	3.41	2.88	0.80	10.78	7.81	3.83
CONROE	2.08	2.44	2.05	0.57	9.77	6.23	2.92
CROCKETT	0.00	1.08	3.37	1.61	10.45	6.28	4.77
DANEVANG	1.07	1.11	2.98	0.21	4.73	2.08	2.38
EDNA	1.96	0.47	2.52	0.55	10.85	2.95	1.93
EL CAMPO	1.45	2.15	2.67	0.62	10.38	1.61	2.84
FREEPORT	2.03	1.42	1.40	0.16	6.24	2.97	6.13
HOU-WESTBURY	0.95	3.18	2.85	1.35	8.12	2.89	5.18

HUNTSVILLE	2.00	2.89	3.04	2.03	7.07	4.62	5.66
KATY	1.72	2.07	4.02	0.81	13.57	1.81	10.24
LIBERTY	1.22	5.18	3.68	2.02	7.86	4.38	3.42
LIVINGSTON	1.37	2.08	3.18	1.05	8.32	4.92	1.23
MADISONVILLE	2.04	1.69	3.46	1.74	11.12	4.10	4.27
MATAGORDA	3.13	1.75	2.66	0.05	2.10	2.55	2.10
NEW CANEY	1.02	3.65	2.75	1.08	11.55	6.17	1.70
RICHMOND	1.43	2.08	1.97	1.32	6.71	1.67	1.29
SOMERVILLE	2.01	1.59	1.96	1.26	11.77	0.75	2.00
WASH ST PARK	2.12	1.83	1.96	1.25	15.38	1.32	2.51
W COLUMBIA	1.06	1.71	1.98	0.43	9.22	3.25	2.56
WHARTON	1.72	1.35	2.57	1.19	8.38	2.85	2.15

LOCATION	AUG	SEP	OCT	NOV	DEC	ANN	DEP
ANAHUAC	1.25	6.36	3.34	4.52	5.01	43.32	-13.15
BAY CITY	0.77	6.62	4.33	5.50	0.90	33.22	-15.67
BAYTOWN	1.73	10.23	3.93	5.57	5.97	60.49	+ 0.57
BELLVILLE	2.26	1.76	1.58	3.38	1.44	34.53	- 7.22
BRENHAM	1.86	2.28	2.08	8.70	2.34	42.50	- 2.64
CALDWELL	1.53	3.88	1.76	5.12	1.65	28.63	-10.87
CLEVELAND	6.89	7.70	3.51	3.94	3.78	56.27	+ 2.03
CONROE	0.82	5.71	3.06	2.62	1.83	41.47	- 7.30
CROCKETT	0.96	3.02	5.04	6.27	1.86	44.71	- 0.47
DANEVANG	1.26	2.94	1.78	4.95	4.07	29.56	-16.82
EDNA	0.41	1.98	1.85	4.62	3.14	33.23	- 9.49
EL CAMPO	1.40	4.73	2.72	4.06	3.18	33.23	-15.64
FREEPORT	4.40	6.68	3.92	5.88	2.77	44.00	- 5.57
HOU-WESTBURY	5.94	8.98	3.80	4.18	5.39	52.81	+ 0.99
HUNTSVILLE	1.30	2.74	2.31	5.64	4.72	44.02	- 5.06
KATY	0.92	6.09	2.07	2.77	5.24	51.33	+ 5.80
LIBERTY	4.44	7.86	3.69	3.60	7.68	55.03	- 6.22
LIVINGSTON	5.29	5.58	1.81	1.34	1.50	37.67	-13.86
MADISONVILLE	1.68	3.41	3.37	7.11	2.67	46.66	+ 1.54
MATAGORDA	2.13	4.24	1.72	9.17	7.04	38.64	- 5.94
NEW CANEY	0.21	9.49	4.05	0.91	6.05	48.63	- 4.86
RICHMOND	2.22	5.68	2.42	2.31	3.84	32.94	-16.14
SOMERVILLE	1.17	6.22	2.23	5.48	3.26	39.70	+ 1.03
WASH ST PARK	1.28	5.46	1.93	5.56	4.99	45.59	+ 3.91
W COLUMBIA	3.07	10.12	2.81	5.32	4.33	45.86	NA
WHARTON	4.49	3.90	1.98	4.07	4.32	38.97	- 8.24

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