



MARCH 2016 LOCAL CLIMATOLOGICAL DATA NOAA, National Climatic Data Center

HOUSTON, TX
G BUSH INTERCONTINENTAL AP/HOUSTON AP (KIAH)
 Lat:29° 58'N Long: 95° 21'W Elev (Ground) 95 Feet
 Time Zone : CENTRAL WBAN: 12960 ISSN#: 0198-5094



Date 1	Temperature °F						Deg Days BASE 65°		WEATHER 10	SNOW/ICE ON GND(IN)		PRECIPITATION ON GND(IN)		PRESSURE (INCHES OF HG)		WIND SPEED = MPH DIR = TENS OF DEGREES								Date 24
	MAXIMUM 2	MINIMUM 3	AVERAGE 4	DEP FROM NORMAL 5	AVERAGE DEW PT 6	AVERAGE WET BULB 7	HEATING 8	COOLING 9		0600 LST 11	1200 LST 12	2400 LST 13	2400 LST 14	AVERAGE STATION 15	AVERAGE SEA LEVEL 16	RESULTANT SPEED 17	RES DIR 18	AVERAGE SPEED 19	MAXIMUM					
																			3-SEC		2-MIN			
																			SPEED 20	DIR 21	SPEED 22	DIR 23		
01	78	62	70	11	61	64	0	5	BR	0		0.0	0.00	29.93	30.03	2.3	25	7.0	20	21	15	02	01	
02	70	49	60	1	45	53	5	0		0		0.0	0.00	29.97	30.11	9.9	12	12.6	28	15	23	14	02	
03	84	61	73	13	52	61	0	8	RA	0		0.0	T	29.85	29.96	4.7	30	9.9	28	33	18	34	03	
04	74	48	61	1	42	52	4	0		0		0.0	0.00	30.01	30.12	2.3	12	5.6	18	17	15	13	04	
05	76	47	62	2	50	55	3	0	MIFG BCFG BR	0		0.0	0.00	30.05	30.16	3.1	13	4.5	16	14	15	14	05	
06	75	47	61	1	54	57	4	0	FG+ FG BCFG BR	0		0.0	0.00	29.98	30.12	9.0	15	9.3	36	15	29	15	06	
07	75	62	69	9	60	63	0	4	RA	0		0.0	T	29.80	29.93	15.7	15	16.1	35	14	29	15	07	
08	72	67	70	9	66	67	0	5	TS TSRA RA BR HZ	0		0.0	0.22	29.63	29.78	16.7	15	17.1	43	14	36	15	08	
09	73	61	67	6	64	65	0	2	TS TSRA RA BR HZ	0		0.0	1.44	29.61	29.73	6.5	08	12.9	38	14	32	15	09	
10	76	63	70	9	64	65	0	5	TS TSRA RA BR	0		0.0	0.90	29.70	29.80	10.0	04	11.6	29	03	23	03	10	
11	74	63	69	8	61	63	0	4	RA BR	0		0.0	0.11	29.83	29.93	6.6	12	8.3	26	15	18	07	11	
12	75	60	68	6	57	61	0	3	RA	0		0.0	0.02	29.76	29.89	4.8	22	5.8	24	21	18	21	12	
13	82	56	69	7	59	63	0	4		0		0.0	0.00	29.67	29.80	7.2	21	7.9	29	22	20	22	13	
14	87*	56	72	10	58	63	0	7	MIFG BR	0		0.0	0.00	29.72	29.83	6.1	21	7.1	23	21	16	22	14	
15	84	64	74	12	63	67	0	9	BR HZ	0		0.0	0.00	29.72	29.83	7.8	20	8.0	28	21	16	23	15	
16	78	63	71	9	63	66	0	6	BR	0		0.0	0.00	29.83	29.94	6.3	12	8.8	24	14	22	14	16	
17	80	62	71	8	67	68	0	6	MIFG BCFG BR	0		0.0	0.00	29.73	29.86	4.9	15	6.2	20	15	14	16	17	
18	81	63	72	9	66	67	0	7	TS RA BR	0		0.0	T	29.70	29.81	3.5	10	6.3	24	35	20	36	18	
19	69	50	60	-3	48	53	5	0	BR	0		0.0	0.00	29.98	30.06	14.9	36	15.4	33	02	26	36	19	
20	61	43	52	-11	30	43	13	0		0		0.0	0.00	30.24	30.33	11.5	34	11.9	38	32	29	34	20	
21	63	34*	49*	-14	34	43	16	0		0		0.0	0.00	30.24	30.38	4.3	14	5.9	20	12	16	11	21	
22	70	42	56	-7	50	54	9	0		0		0.0	0.00	29.98	30.14	10.3	17	10.5	29	15	22	16	22	
23	76	63	70	7	61	64	0	5	RA	0		0.0	0.03	29.74	29.89	13.4	17	13.5	32	18	22	16	23	
24	69	51	60	-4	47	53	5	0	TS TSRA RA BR SQ	0		0.0	0.38	29.82	29.93	7.4	32	11.1	49*	31	37*	31	24	
25	70	42	56	-8	44	51	9	0		0		0.0	0.00	29.82	29.94	2.1	12	3.8	17	15	16	14	25	
26	75	46	61	-3	55	57	4	0		0		0.0	0.00	29.80	29.92	4.2	12	4.9	17	16	13	12	26	
27	77	57	67	2	59	62	0	2	MIFG BR	0		0.0	0.00	29.90	30.00	6.8	33	7.3	29	32	24	31	27	
28	75	49	62	-3	51	56	3	0		0		0.0	0.00	29.95	30.07	2.1	07	5.8	16	14	14	14	28	
29	71	59	65	0	64	65	0	0	RA DZ BR	0		0.0	T	29.83	29.96	8.1	11	9.0	24	14	20	13	29	
30	75	68	72	7	69	70	0	7	RA DZ BR	0		0.0	0.13	29.64	29.78	11.1	16	11.7	35	15	23	15	30	
31	85	65	75*	10	68	70	0	10	RA DZ BR	0		0.0	0.02	29.55	29.67	1.9	21	6.5	22	02	16	02	31	
75.2		55.6	65.4	☼	55.9	60.0	2.6	3.2	< MONTHLY AVERAGES TOTALS >			0.0	3.25	29.84	29.95	3.0	14	9.1	< MONTHLY AVERAGES					
2.2	3.1	2.7	<-----DEPARTURE FROM NORMAL----->						-0.16	SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3														
DEGREE DAYS									GREATEST 24-HR PRECIPITATION : 2.23 DATE : 09-10				SEA LEVEL PRESSURE				DATE TIME							
MONTHLY									GREATEST 24-HR SNOWFALL : 0.0 DATE :				MAXIMUM : 30.49				21 0959							
SEASON TO DATE									GREATEST SNOW DEPTH : 0 DATE :				MINIMUM : 29.60				31 1727							
TOTAL DEPARTURE				TOTAL DEPARTURE					NUMBER OF -> DAYS WITH				MAXIMUM TEMP >= 90 : 0		MINIMUM TEMP <= 32 : 0		PRECIPITATION >= 0.01 INCH: 9							
HEATING : 80 -61				997 -332					THUNDERSTORMS : 5				MAXIMUM TEMP <= 32 : 0		MINIMUM TEMP <= 0 : 0		PRECIPITATION >= 0.10 INCH: 6							
COOLING : 99 -28				136 27													SNOWFALL >= 1.0 INCH : 0							

**MARCH 2016
HOUSTON, TX**

HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

HOUSTON, TX (KIAH)
MARCH 2016

WBAN # 12960

Date	FOR HOUR (LST) ENDING AT												Date	FOR HOUR (LST) ENDING AT												Date	Sum of Hourly Data	2400 LST Water Equiv.	
	1	2	3	4	5	6	7	8	9	10	11	12		13	14	15	16	17	18	19	20	21	22	23	24				
01													01												01	0.00	0.00		
02													02												02	0.00	0.00		
03					T	T							03												03	T	T		
04											T	T	04												04	0.00	0.00		
05													05												05	0.00	0.00		
06													06												06	0.00	0.00		
07													07												07	T	T		
08				T	T								08	T	0.03	0.01	0.03		T	T	0.02	0.02	0.02	T	08	0.22	0.22		
09	T	0.01		T	0.02	T	0.09			T	0.06	0.02	0.01	09	T	T	T		T	0.12	0.15	0.11	0.26	0.15	0.26	0.18	09	1.44	1.44
10	0.10	0.18	0.15	0.08	0.31	T	0.02	0.06		T			10												10	0.90	0.90		
11	0.03	0.04	0.03	T		0.01							11												11	0.11	0.11		
12			0.01	0.01									12												12	0.02	0.02		
13													13												13	0.00	0.00		
14													14												14	0.00	0.00		
15													15												15	0.00	0.00		
16													16												16	0.00	0.00		
17													17												17	0.00	0.00		
18													18					T		T					18	T	T		
19													19												19	0.00	0.00		
20													20												20	0.00	0.00		
21													21												21	0.00	0.00		
22													22												22	0.00	0.00		
23													23			T	T	T		T	T	T	0.03	T	T	23	0.03	0.03	
24			T	0.03	0.25	0.08	0.01			0.01			24												24	0.38	0.38		
25													25												25	0.00	0.00		
26													26												26	0.00	0.00		
27													27												27	0.00	0.00		
28													28												28	0.00	0.00		
29													29			T	T	T	T						29	T	T		
30				T	T	0.01	T	0.01		T	0.01		30	T		T	0.11	T							30	0.13	0.13		
31			T								0.02	T	31												31	0.02	0.02		

* Indicates sum of Hourly and Daily disagree.

MAXIMUM SHORT DURATION PRECIPITATION (See Note)

Time Period (Minutes)	5	10	15	20	30	45	60	80	100	120	150	180
Precipitation (Inches)	0.28	0.29	0.31	0.31	0.31	0.33	0.35	0.42	0.49	0.53	0.64	0.71
Ending Date	10	10	10	10	10	10	10	10	10	09	09	09
Ending Time (Hr/Min)	0407	0411	0415	0415	0415	0415	0415	0415	0415	2222	2235	2310

Note : The hourly and daily precipitation totals are printed in the last 2 columns and hi-lighted in red when they disagree. NWS does not edit ASOS hourly values but may edit daily and monthly totals. Hourly, daily, and monthly totals are printed as reported by the ASOS site.

Date and time are not entered for TRACE amounts.

REFERENCE NOTES & SUPPLEMENTAL SUMMARIES

* = Extreme for the month (last occurrence if more than one).

T = Trace precipitation amount.

+ = also occurs on earlier date.

FG+ = Heavy fog, visibility .25 miles or less.

BLANK entries denote missing or unreported data.

Resultant wind is the vector sum of the wind speeds and directions divided by the number of observations.

Wind direction is recorded in tens of degrees (2 digits) clockwise from true north. '00' = calm, 'VR' = variable.

Precipitation is for the 24-hour period ending at the time indicated in the column heading.

Ceilometer (30-second) data are used to derive cloudiness at or below 12,000 feet. This cloudiness is the mean cloud cover detected during sunrise to sunset (SR-SS), or midnight to midnight (MN-MN).

WEATHER NOTATIONS

QUALIFIER	WEATHER PHENOMENA		
DESCRIPTOR	PRECIPITATION	OBSCURATION	OTHER
BC Patches	DZ Drizzle	BR Mist	DS Duststorm
BL Blowing	GR Hail	DU Widespread Dust	FC Funnel Cloud
DR Low Drifting	GS Small Hail and/or Snow Pellets	FG Fog	+FC Tornado Waterspout
FZ Freezing	IC Ice Crystals	FU Smoke	PO Well-Developed Dust/Sand Whirls
MI Shallow	PL Ice Pellets	HZ Haze	
PR Partial	RA Rain	PY Spray	SQ Squalls
SH Shower(s)	SG Snow Grains	SA Sand	SS Sandstorm
TS Thunderstorm	SN Snow	VA Volcanic Ash	GL Glaze
VC In the Vicinity	UP Unkown Precipitation		

Intensity (as indicated on pages 4 to 6):
'+' = Heavy '' = Moderate '-' = Light

HOUSTON, TX MARCH 2016

Sky Condition is based on the sum (not to exceed 8) of the sunrise to sunset cloud cover below and above 12,000 feet.

Clear = 0-2 oktas, Partly Cloudy = 3-6 oktas, Cloudy = 7-8 oktas.

A Heating (Cooling) Degree Day is the difference between the average daily temperature and 65 degrees F. The HDD season begins July 1, the CDD season begins January 1.

Snow Depth, Snowfall, and Sunshine data may come from nearby sites that the National Weather Service deems Climatologically representative of this site.

NORMALS ARE FOR THE YEARS 1981-2010

ADDITIONAL NOTES & ERRATA:

Date	VISIBILITY (MILES)	
	MINIMUM	MAXIMUM
01	5.00	10.00
02	9.00	10.00
03	6.00	10.00
04	9.00	10.00
05	0.50	10.00
06	0.25	10.00
07	8.00	10.00
08	3.00	10.00
09	1.00	10.00
10	6.00	10.00
11	2.00	10.00
12	8.00	10.00
13	10.00	10.00
14	3.00	10.00
15	3.00	10.00
16	5.00	10.00
17	0.25	10.00
18	0.25	10.00
19	6.00	10.00
20	10.00	10.00
21	10.00	10.00
22	10.00	10.00
23	8.00	10.00
24	3.00	10.00
25	9.00	10.00
26	9.00	10.00
27	4.00	10.00
28	9.00	10.00
29	2.00	10.00
30	0.75	10.00
31	2.50	10.00
AVGS	5.24	10.00
MINIMUM VISIBILITY (MILES)		
<= .25	<= 3.0	>= 7.0
3	13	12

OBSERVATIONS AT 3-HOURLY INTERVALS

HOUSTON, TX MARCH 2016

KIAH

WBAN # 12960

HOUR (LST)	SKY COVER	CEILING 100's of FT.	VISIBILITY (MILES)	WEATHER	TEMPERATURE °F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES, HG)						
					DRY BULB	DEW POINT	WET BULB		SPEED (MPH)	DIRECTION Tens of Deg	STATION	SEA LEVEL					
SUNRISE: 0620 MAR 25 SUNSET: 1835					03	CLR	NC	10.00		46	41	44	83	5	33	29.89	30.00
06	FEW	250	10.00		42	40	41	92	0	00	29.87	29.98					
09	FEW	250	10.00		56	42	49	60	7	VR	29.92	30.03					
12	FEW	250	10.00		65	42	53	43	6	05	29.87	29.98					
15	FEW	180	10.00		69	41	54	36	0	00	29.78	29.89					
18	SCT	250	10.00		66	45	55	47	13	14	29.76	29.87					
21	FEW	200	10.00		55	49	52	80	5	17	29.79	29.90					
24	SCT	100	10.00		50	49	49	96	0	00	29.81	29.92					
SUNRISE: 0618 MAR 26 SUNSET: 1836					03	CLR	NC	10.00		49	49	49	100	0	00	29.80	29.91
06	FEW	100	9.00		47	47	47	100	5	01	29.81	29.92					
09	SCT	250	10.00		60	54	57	80	7	11	29.84	29.94					
12	BKN	250	10.00		70	56	62	61	8	14	29.84	29.94					
15	BKN	180	10.00		73	56	63	55	8	14	29.78	29.89					
18	OVC	250	10.00		68	61	64	78	10	13	29.79	29.90					
21	OVC	250	10.00		64	62	63	93	6	13	29.82	29.93					
24	BKN	250	10.00		62	62	62	100	0	00	29.82	29.93					
SUNRISE: 0617 MAR 27 SUNSET: 1836					03	BKN	250	6.00	MIFG BR	61	61	61	100	0	00	29.81	29.91
06	OVC	050	5.00	MIFG BR	63	63	63	100	3	33	29.82	29.93					
09	OVC	060	6.00	BR	65	64	64	97	6	31	29.91	30.01					
12	BKN	055	10.00		74	64	68	71	10	30	29.92	30.02					
15	SCT	055	10.00		76	62	67	62	10	32	29.89	30.00					
18	FEW	045	10.00		72	59	64	64	11	34	29.91	30.01					
21	CLR	NC	10.00		63	53	57	70	11	34	29.98	30.09					
24	CLR	NC	10.00		58	48	53	70	8	34	30.00	30.11					
SUNRISE: 0616 MAR 28 SUNSET: 1837					03	CLR	NC	10.00		53	47	50	80	8	36	29.98	30.10
06	FEW	250	10.00		49	45	47	86	6	35	30.01	30.12					
09	FEW	030	10.00		59	46	52	62	8	03	30.03	30.15					
12	FEW	250	10.00		69	48	57	47	0	00	30.02	30.12					
15	SCT	250	10.00		75	47	59	37	7	18	29.92	30.03					
18	SCT	250	10.00		72	53	61	52	6	11	29.89	30.00					
21	BKN	250	10.00		65	58	61	78	9	15	29.92	30.02					
24	OVC	140	10.00		65	61	63	87	6	18	29.92	30.02					
SUNRISE: 0615 MAR 29 SUNSET: 1838					03	OVC	250	10.00		62	61	61	96	3	02	29.87	29.98
06	OVC	014	7.00		63	62	62	97	7	07	29.87	29.98					
09	OVC	010	7.00		64	61	62	90	9	08	29.90	30.01					
12	OVC	018	10.00		70	63	66	79	7	11	29.88	29.99					
15	OVC	015	2.50	-DZ BR	68	67	67	96	10	12	29.83	29.94					
18	OVC	006	2.00	-RA BR	67	67	67	100	10	12	29.80	29.90					
21	OVC	011	8.00		68	67	67	96	14	13	29.81	29.91					
24	OVC	005	7.00		68	68	68	100	17	13	29.78	29.88					
SUNRISE: 0614 MAR 30 SUNSET: 1838					03	OVC	003	0.75	BR	68	68	68	100	13	14	29.73	29.83
06	OVC	006	1.50	-RA BR	70	70	70	100	11	16	29.70	29.81					
09	OVC	030	7.00		71	70	70	96	14	16	29.75	29.86					
12	OVC	050	10.00		74	69	71	85	17	16	29.72	29.83					
15	OVC	024	7.00	-DZ	73	70	71	90	13	18	29.61	29.72					
18	BKN	080	9.00		73	70	71	90	8	18	29.58	29.69					
21	OVC	016	8.00		72	69	70	91	9	20	29.60	29.71					
24	BKN	034	7.00		72	70	71	94	6	18	29.59	29.70					

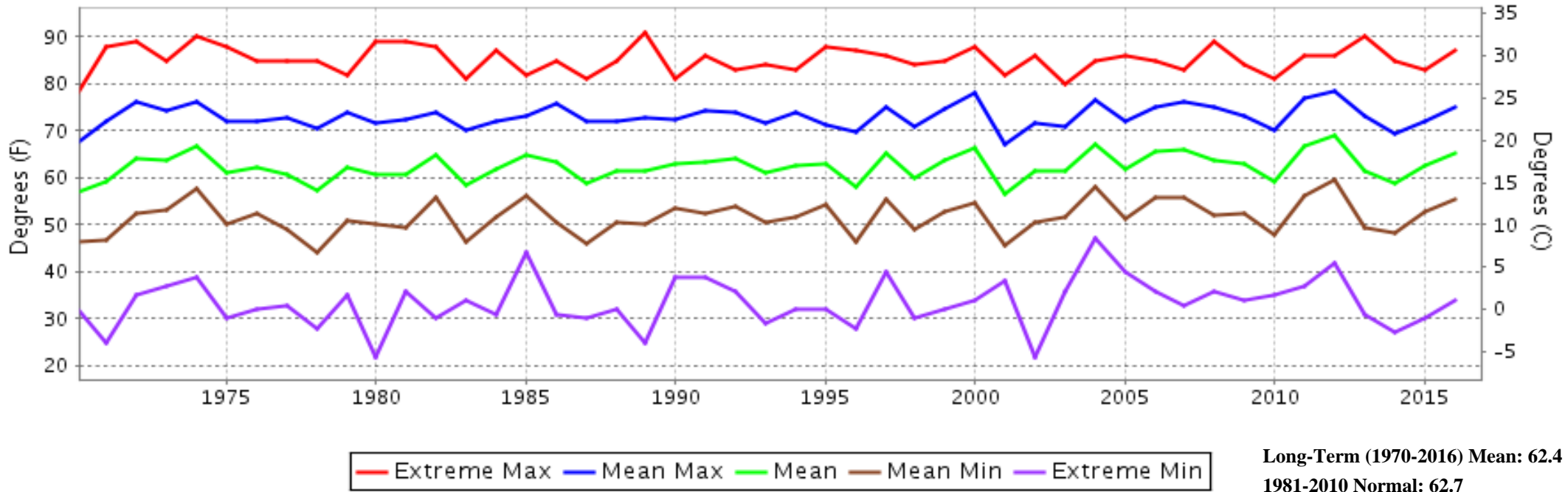
HOUR (LST)	SKY COVER	CEILING 100's of FT.	VISIBILITY (MILES)	WEATHER	TEMPERATURE °F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES, HG)						
					DRY BULB	DEW POINT	WET BULB		SPEED (MPH)	DIRECTION Tens of Deg	STATION	SEA LEVEL					
SUNRISE: 0612 MAR 31 SUNSET: 1839					03	OVC	020	6.00	-RA BR	73	70	71	90	8	20	29.55	29.66
06	OVC	022	8.00		73	70	71	90	13	20	29.54	29.65					
09	OVC	027	2.50	-DZ BR	72	72	72	100	0	00	29.59	29.70					
12	BKN	045	8.00		79	70	73	74	8	18	29.56	29.66					
15	SCT	033	8.00		83	69	74	63	5	26	29.51	29.62					
18	SCT	055	7.00		79	72	74	79	7	10	29.51	29.62					
21	FEW	020	7.00		74	72	73	94	15	02	29.60	29.70					
24	FEW	020	10.00		66	50	57	56	3	36	29.65	29.75					

3-HOURLY OBSERVATION NOTES
 Sky Cover is the amount of the sky obscured. CLR or SKC = 0, FEW = 1/8-2/8, SCT = 3/8-4/8, BKN = 5/8-7/8, OVC = 8/8, W = Vertical Visibility = 8/8
 Ceiling is reported in hundreds of feet above ground level for clouds at or below 12,000 feet.
 NC = No Ceiling detected.
 & = Original observation contained additional weather elements.
 See page 3 for additional notes.

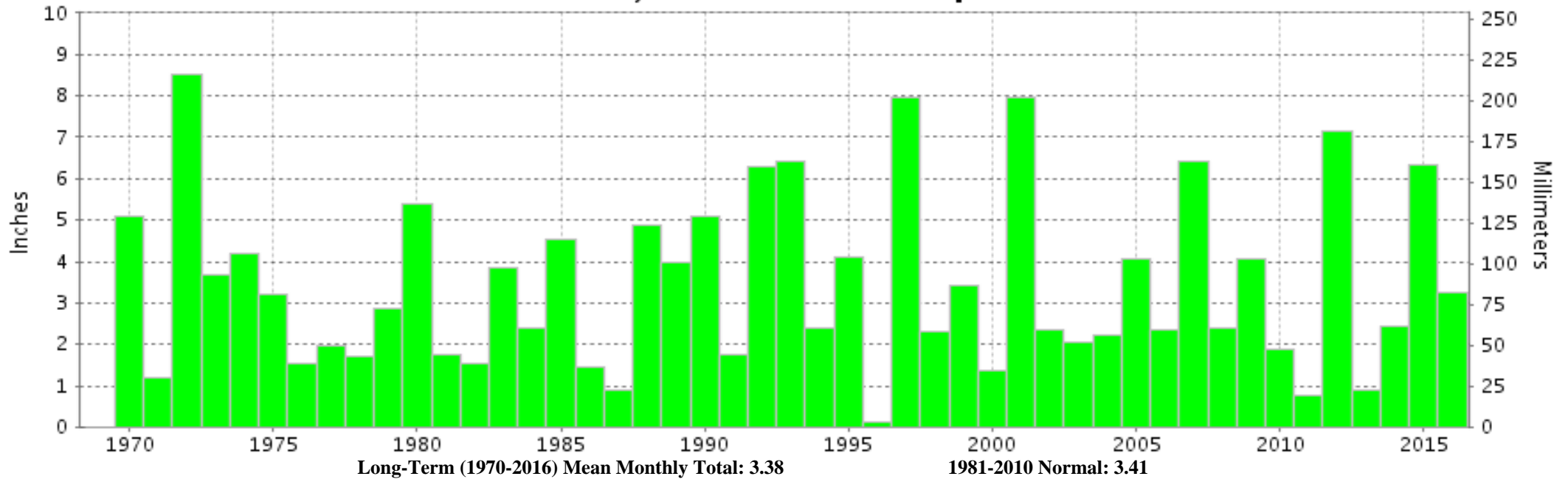
SUMMARY BY HOUR

HOUR (LST)	AVERAGES								RESULTANT WIND (MPH)	
	DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY	PRESSURE (Inches, HG)		VISIBILITY (Miles)	WIND SPEED (MPH)	SPEED	DIRECTION
					STATION	SEA LEVEL				
01	61	56	58	85	29.87	29.98	9.10	6	4	15
02	60	56	58	86	29.85	29.96	8.53	7	4	16
03	60	56	57	88	29.84	29.94	8.35	6	3	15
04	59	56	57	89	29.83	29.94	8.28	6	3	15
05	58	55	56	89	29.84	29.95	7.98	7	4	15
06	58	55	57	90	29.85	29.96	7.94	7	4	14
07	59	55	57	90	29.87	29.97	7.49	7	3	15
08	61	56	59	85	29.89	29.99	6.95	8	3	14
09	63	56	60	79	29.90	30.01	7.47	9	4	14
10	66	56	61	72	29.90	30.01	8.65	10	3	15
11	69	55	61	65	29.89	30.00	9.13	11	3	14
12	71	56	62	61	29.88	29.99	9.42	12	3	15
13	72	56	63	58	29.86	29.96	9.35	11	3	17
14	73	55	63	56	29.83	29.94	9.61	12	3	15
15	73	55	63	56	29.81	29.92	9.44	12	3	17
16	73	55	63	57	29.81	29.91	9.39	11	3	16
17	72	55	62	59	29.80	29.91	9.55	12	4	13
18	70	56	62	64	29.81	29.91	9.23	11	5	12
19	67	56	61	70	29.82	29.93	9.26	9	5	12
20	66	57	61	75	29.83	29.94	9.42	9	4	13
21	65	57	61	78	29.85	29.96	9.42	9	4	13
22	64	57	60	80	29.86	29.96	9.55	9	3	14
23	63	57	60	81	29.86	29.97	9.48	8	3	14
24	62	57	59	82	29.85	29.96	9.29	8	4	14

HOUSTON, TX MARCH Temperatures



HOUSTON, TX MARCH Precipitation





**MARCH 2016
HOUSTON, TX**

**LOCAL CLIMATOLOGICAL DATA
NOAA, National Climatic Data Center**

I certify that this is an official publication of the National Oceanic and Atmospheric Administration (NOAA). It is compiled using information from weather observing sites operated by NOAA-National Weather Service / Department Of Transportation-Federal Aviation Administration and received at the National Climatic Data Center (NCDC), Asheville, North Carolina 28801.

A handwritten signature in black ink, appearing to read "Thomas R. Karl".

DIRECTOR

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