



# AUGUST 2017 LOCAL CLIMATOLOGICAL DATA

NOAA, National Centers for Environmental Information

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	1200 LST	2400 LST	2400 LST	AVERAGE STATION 15	AVERAGE SEA LEVEL 16	RESULTANT SPEED 17	RES DIR 18	AVERAGE SPEED 19	MAXIMUM					
																			3-SEC		2-MIN			
2	3	4	5	6	7	8	9	11	12	13	14	15	16	17	18	19	20	21	22	23				
01	93	73	83	-1	71	75	0	18		0		0.0	0.00	29.85	29.97	6.3	09	7.7	21	10	17	10	01	
02	90	75	83	-1	74	75	0	18	TS RA BR	0		0.0	0.09	29.88	29.98	5.0	07	6.9	25	06	22	07	02	
03	89	75	82	-2	73	76	0	17	RA	0		0.0	T	29.88	30.00	3.5	06	5.7	19	01	16	01	03	
04	93	75	84	0	75	77	0	19	RA BR	0		0.0	1.26	29.88	30.00	2.1	13	4.6	26	32	21	31	04	
05	92	75	84	0	75	77	0	19	TS RA	0		0.0	0.39	29.84	29.97	4.2	17	5.2	32	15	28	16	05	
06	94	77	86	2	76	79	0	21	TS RA	0		0.0	0.10	29.77	29.89	6.1	18	6.6	27	20	21	21	06	
07	84	74	79	-5	76	77	0	14	TS TSRA RA FG BR	0		0.0	2.13	29.81	29.92	2.0	16	5.4	31	19	22	17	07	
08	88	73	81	-3	74	76	0	16	TS RA BR	0		0.0	3.61	29.82	29.94	0.4	32	4.7	21	22	14	21	08	
09	94	76	85	1	75	77	0	20	BR	0		0.0	0.00	29.88	29.98	0.9	35	5.4	17	07	14	06	09	
10	97	77	87	3	76	78	0	22	TS TSRA RA MIFG BR	0		0.0	0.12	29.93	30.04	2.0	16	3.5	33	15	29	14	10	
11	97	77	87	3	76	79	0	22	MIFG	0		0.0	0.00	29.90	30.02	3.5	22	4.5	21	22	15	21	11	
12	97	79	88	4	76	79	0	23		0		0.0	0.00	29.83	29.95	3.7	20	5.8	21	16	17	15	12	
13	97	78	88	4	75	78	0	23		0		0.0	0.00	29.78	29.90	6.2	19	7.0	19	18	14	20	13	
14	96	81	89	5	74	78	0	24		0		0.0	0.00	29.75	29.86	7.5	19	8.3	21	16	16	15	14	
15	97	80	89	5	74	78	0	24		0		0.0	0.00	29.77	29.88	6.3	18	7.6	24	17	17	16	15	
16	96	82	89	6	76	79	0	24	RA	0		0.0	T	29.85	29.95	8.8	18	9.2	24	16	20	15	16	
17	97	81	89	6	74	78	0	24		0		0.0	0.00	29.89	30.00	6.9	20	7.3	21	15	17	16	17	
18	99*	78	89*	6	75	79	0	24		0		0.0	0.00	29.88	30.00	3.7	19	5.6	20	14	17	14	18	
19	98	78	88	5	75	78	0	23		0		0.0	0.00	29.85	29.97	2.3	21	4.6	18	15	15	15	19	
20	97	75	86	3	74	78	0	21		0		0.0	0.00	29.88	29.99	4.2	14	5.3	20	15	17	13	20	
21	94	78	86	3	75	78	0	21		0		0.0	0.00	29.93	30.04	5.0	10	5.8	19	08	15	06	21	
22	97	75	86	3	73	77	0	21		0		0.0	0.00	29.90	30.01	2.8	14	3.9	20	15	17	14	22	
23	95	76	86	3	74	77	0	21	RA	0		0.0	0.15	29.81	29.93	2.5	11	5.3	31	02	25	02	23	
24	95	76	86	3	73	76	0	21	TS	0		0.0	0.00	29.75	29.86	6.7	07	8.1	23	11	20	11	24	
25	80	76	78	-4	74	75	0	13	RA	0		0.0	0.39	29.72	29.84	14.6	07	15.0	33	10	24	09	25	
26	79	74	77	-5	75	76	0	12	TS TSRA RA FG+ BR	0		0.0	8.37	29.70	29.82	17.3	09	18.4	47	17	37	13	26	
27	77	74	76	-6	74	74	0	11	TS TSRA RA BR	0		0.0	16.07	29.62	29.75	14.6	07	15.5	35	06	29	06	27	
28	74	71*	73*	-9	70	71	0	8	RA BR	0		0.0	4.00	29.59	29.69	23.1	04	23.5	48*	04	37*	04	28	
29	75	72	74	-8	70	71	0	9	RA BR	0		0.0	2.43	29.59	29.71	20.7	36	21.6	40	01	32	36	29	
30	86	73	80	-2	68	72	0	15	RA	0		0.0	T	29.67	29.77	14.1	32	14.4	32	34	24	32	30	
31	93	73	83	1	67	72	0	18		0		0.0	0.00	29.80	29.89	6.0	30	6.6	22	32	15	31	31	

91.3	76.0	83.7	☼	73.8	76.5	0.0	18.9	< MONTHLY AVERAGES   TOTALS >				0.0	39.11	29.80	29.92	2.3	09	8.4	< MONTHLY AVERAGES			
-3.2	1.2	-0.9		-----DEPARTURE FROM NORMAL ----->										35.35	SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3							

<b>DEGREE DAYS</b>				<b>GREATEST 24-HR PRECIPITATION :</b> 18.09 <b>DATE :</b> 26-27				<b>SEA LEVEL PRESSURE</b>			
<b>MONTHLY</b>				<b>GREATEST 24-HR SNOWFALL :</b> 0.0 <b>DATE :</b>				<b>MAXIMUM :</b> 30.10 10 1048			
<b>SEASON TO DATE</b>				<b>GREATEST SNOW DEPTH :</b> 0 <b>DATE :</b>				<b>MINIMUM :</b> 29.63 28 0448			
<b>TOTAL DEPARTURE</b>		<b>TOTAL DEPARTURE</b>		<b>NUMBER OF DAYS WITH</b>		<b>MAXIMUM TEMP &gt;= 90 :</b> 22		<b>MINIMUM TEMP &lt;= 32 :</b> 0		<b>PRECIPITATION &gt;= 0.01 INCH :</b> 13	
<b>HEATING :</b> 0 0		0 0		<b>THUNDERSTORMS :</b> 9		<b>MAXIMUM TEMP &lt;= 32 :</b> 0		<b>MINIMUM TEMP &lt;= 0 :</b> 0		<b>PRECIPITATION &gt;= 0.10 INCH :</b> 12	
<b>COOLING :</b> 586		-23				<b>MAXIMUM TEMP &lt;= 32 :</b> 0		<b>HEAVY FOG :</b> 1		<b>SNOWFALL &gt;= 1.0 INCH :</b> 0	
		2652									
		270									

AUGUST 2017  
HOUSTON, TX

# HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

HOUSTON, TX (KIAH)  
AUGUST 2017

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		T	0.05	T	0.02	T	T	0.01	T	0.01	T	02	0.09	0.09	
03	T												03	T											03	T	T	
04		T		0.03									04	1.23	T										04	1.26	1.26	
05												T	05	0.07	0.32										05	0.39	0.39	
06													06	0.09	T	T	0.01			T	T				06	0.10	0.10	
07							0.48	T	T	0.13	T	0.23	07	0.07	0.02	T						0.01	1.19	07	2.13	2.13		
08	0.98	1.22	1.01	0.34	0.03	T				T	T		08	0.03	T									08	3.61	3.61		
09													09											09	0.00	0.00		
10													10			0.11	0.01							10	0.12	0.12		
11													11											11	0.00	0.00		
12													12											12	0.00	0.00		
13													13											13	0.00	0.00		
14													14											14	0.00	0.00		
15													15											15	0.00	0.00		
16						T							16	T										16	T	T		
17													17											17	0.00	0.00		
18													18											18	0.00	0.00		
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	0.15	T									23	0.15	0.15		
24													24											24	0.00	0.00		
25							0.02	0.04	0.03	0.01	0.01		25	0.01	0.10	0.06	0.01	0.01		T	T	0.02	0.03	0.01	0.03	25	0.39	0.39
26	0.01		0.09	0.06	0.10	0.36	0.52	1.89	0.14	0.39	0.04	0.20	26	0.03	T	T	0.17	0.05	0.02	0.01	0.03	0.40	1.45	1.38	1.03	26	8.37	8.37
27	0.99	0.54	0.32	1.48	1.10	1.24	1.09	0.12	0.10	0.49	0.21	0.42	27	1.99	0.53	1.20	0.49	0.25	0.29	0.63	0.21	0.54	0.40	0.89	0.55	27	16.07	16.07
28	0.22	T	0.02			0.01	0.14	0.15	0.17	0.21	0.16		28	0.13	0.15	0.38	0.55	0.26	0.33	0.21	0.23	0.17	0.07	0.17	0.27	28	4.00	4.00
29	0.32	0.61	0.16	0.19	0.11	0.14	0.10	0.07	0.12	0.20	0.29	0.04	29	T	T	0.05	0.02	0.01							29	2.43	2.43	
30	T												30												30	T	T	
31													31												31	0.00	0.00	

\* 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)	0.59	0.80	0.95	1.15	1.47	1.89	2.19	2.45	2.76	3.11	3.62	4.27
Ending Date	26	26	26	26	27	27	26	26	26	26	27	27
Ending Time (Hr/Min)	2159	2204	2209	0723	1239	1252	2233	2252	2311	2333	0021	0026

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 AUGUST 2017

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	10.00	10.00
02	7.00	10.00
03	8.00	10.00
04	2.00	10.00
05	5.00	10.00
06	7.00	10.00
07	1.50	10.00
08	1.00	10.00
09	5.00	10.00
10	7.00	10.00
11	7.00	10.00
12	10.00	10.00
13	10.00	10.00
14	10.00	10.00
15	10.00	10.00
16	10.00	10.00
17	8.00	10.00
18	10.00	10.00
19	10.00	10.00
20	10.00	10.00
21	10.00	10.00
22	10.00	10.00
23	10.00	10.00
24	8.00	10.00
25	3.00	10.00
26	0.25	10.00
27	0.50	8.00
28	0.75	10.00
29	1.75	10.00
30	2.00	10.00
31	10.00	10.00
<b>AVGS</b>	6.60	9.94
<b>MINIMUM VISIBILITY (MILES)</b>		
<= .25	<= 3.0	>= 7.0
1	9	20

# OBSERVATIONS AT 3-HOURLY INTERVALS

## HOUSTON, TX AUGUST 2017

### KIAH

### WBAN # 12960

HOUR (LST)	SKY COVER	CEILING 100's of FT.	VISIBILITY (MILES)	WEATHER	TEMPERATURE °F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES, HG)		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						DRY BULB	DEW POINT	WET BULB		SPEED (MPH)	DIRECTION Tens of Deg	STATION	SEA LEVEL				
SUNRISE: 0540					AUG 01					SUNSET: 1915					SUNRISE: 0544					AUG 07					SUNSET: 1911				
03	SCT	250	10.00		76	69	71	79	5	35	29.86	29.96	03	OVC	200	10.00		83	79	80	88	7	18	29.79	29.90				
06	SCT	250	10.00		74	67	69	79	3	03	29.88	29.98	06	BKN	047	10.00		83	78	79	85	3	20	29.79	29.89				
09	SCT	250	10.00		86	73	77	65	8	07	29.90	30.00	09	OVC	100	7.00	-TSRA	80	76	77	87	6	36	29.83	29.93				
12	BKN	250	10.00		93	73	79	52	8	06	29.87	29.98	12	SCT	070	7.00		76	74	75	94	8	14	29.85	29.96				
15	BKN	250	10.00		93	71	78	49	15	11	29.83	29.93	15	OVC	180	10.00		78	74	75	87	3	25	29.81	29.91				
18	BKN	250	10.00		89	72	77	57	10	12	29.84	29.95	18	BKN	180	10.00		80	75	77	85	0	00	29.77	29.87				
21	SCT	250	10.00		82	72	75	72	7	11	29.87	29.98	21	SCT	130	10.00		77	75	76	94	8	10	29.82	29.93				
24	BKN	250	10.00		79	73	75	82	7	12	29.87	29.98	24	OVC	025	1.50	TS+RA BR	74	73	73	97	6	30	29.87	29.98				
SUNRISE: 0541					AUG 02					SUNRISE: 0545					AUG 08					SUNSET: 1910									
03	BKN	250	10.00		78	74	75	87	3	16	29.86	29.96	03	OVC	050	1.00	+RA BR	74	73	73	97	14	21	29.85	29.96				
06	BKN	250	10.00		77	74	75	90	0	00	29.87	29.97	06	BKN	110	10.00		74	72	73	94	3	20	29.82	29.93				
09	BKN	180	10.00		85	76	79	75	6	04	29.88	29.99	09	BKN	110	10.00		77	73	74	88	0	00	29.86	29.97				
12	SCT	032	10.00		86	75	78	70	15	03	29.88	29.99	12	OVC	065	10.00		80	74	76	82	0	00	29.86	29.97				
15	OVC	120	7.00		77	74	75	90	13	09	29.89	29.99	15	BKN	150	10.00		85	74	77	70	3	22	29.80	29.91				
18	BKN	160	10.00		77	74	75	90	7	13	29.86	29.96	18	SCT	180	10.00		86	75	78	70	5	35	29.79	29.89				
21	BKN	100	10.00		76	74	75	94	7	08	29.88	29.98	21	FEW	250	10.00		79	75	76	88	7	VR	29.83	29.94				
24	OVC	160	10.00		76	73	74	91	5	34	29.92	30.03	24	BKN	008	10.00		77	74	75	90	3	01	29.85	29.96				
SUNRISE: 0542					AUG 03					SUNRISE: 0545					AUG 09					SUNSET: 1909									
03	BKN	150	8.00		75	73	74	94	3	04	29.89	30.00	03	BKN	014	10.00		77	75	76	94	6	01	29.83	29.94				
06	OVC	080	10.00		75	72	73	90	3	01	29.90	30.01	06	OVC	013	5.00	BR	77	75	76	94	3	30	29.86	29.96				
09	OVC	080	10.00		78	73	75	85	3	VR	29.93	30.04	09	BKN	100	10.00		84	74	77	72	6	28	29.89	30.00				
12	BKN	110	10.00		87	73	77	63	5	05	29.91	30.02	12	BKN	100	10.00		87	74	78	65	5	29	29.90	30.00				
15	BKN	085	10.00		83	74	77	74	10	11	29.87	29.98	15	BKN	090	10.00		92	73	78	54	8	27	29.86	29.96				
18	BKN	120	10.00		88	73	77	61	7	02	29.85	29.96	18	SCT	045	10.00		90	74	79	59	6	05	29.85	29.96				
21	FEW	030	10.00		79	74	76	85	10	08	29.86	29.97	21	SCT	047	10.00		82	78	79	88	8	10	29.90	30.00				
24	FEW	032	10.00		78	75	76	90	5	18	29.91	30.01	24	FEW	050	10.00		81	76	77	85	5	16	29.93	30.03				
SUNRISE: 0542					AUG 04					SUNRISE: 0546					AUG 10					SUNSET: 1908									
03	BKN	075	9.00	-RA BR	79	75	76	88	3	28	29.90	30.01	03	FEW	045	10.00		78	76	77	93	0	00	29.92	30.02				
06	SCT	250	6.00		77	75	76	94	0	00	29.90	30.00	06	SCT	016	8.00	MIFG	77	76	76	96	0	00	29.95	30.05				
09	SCT	018	10.00		84	75	78	74	3	VR	29.94	30.04	09	SCT	020	10.00		88	77	80	70	0	00	29.98	30.09				
12	BKN	250	7.00		91	74	79	57	7	34	29.92	30.02	12	SCT	100	10.00		95	74	80	51	6	25	29.97	30.07				
15	BKN	250	10.00		83	74	77	74	0	00	29.88	29.98	15	SCT	250	10.00		97	72	79	45	3	VR	29.90	30.01				
18	SCT	250	10.00		84	74	77	72	10	13	29.85	29.96	18	BKN	250	10.00		81	77	78	88	8	12	29.93	30.03				
21	FEW	250	10.00		80	75	77	85	7	13	29.89	29.99	21	SCT	250	10.00		80	78	79	94	3	18	29.95	30.05				
24	FEW	250	10.00		77	73	74	88	3	20	29.88	29.99	24	FEW	250	10.00		81	77	78	88	6	19	29.92	30.02				
SUNRISE: 0543					AUG 05					SUNRISE: 0546					AUG 11					SUNSET: 1907									
03	FEW	250	7.00		75	73	74	94	0	00	29.88	29.98	03	FEW	250	10.00		80	77	78	90	0	00	29.90	30.01				
06	FEW	250	10.00		75	73	74	94	0	00	29.90	30.01	06	SCT	250	8.00	MIFG	77	76	76	96	0	00	29.95	30.06				
09	BKN	250	10.00		87	78	80	75	6	26	29.90	30.01	09	BKN	300	10.00		87	78	80	75	7	24	29.98	30.09				
12	SCT	075	10.00		90	75	79	62	6	13	29.88	29.98	12	SCT	250	10.00		93	75	80	56	6	29	29.96	30.07				
15	SCT	150	10.00		86	76	79	72	7	17	29.85	29.96	15	SCT	250	10.00		93	75	80	56	7	24	29.88	29.99				
18	SCT	250	10.00		88	73	77	61	8	17	29.80	29.91	18	FEW	250	10.00		92	74	79	56	7	20	29.85	29.95				
21	FEW	250	10.00		82	75	77	79	7	19	29.81	29.92	21	FEW	250	10.00		87	76	79	70	5	20	29.87	29.97				
24	SCT	250	10.00		81	77	78	88	5	17	29.81	29.91	24	BKN	250	10.00		82	75	77	79	3	20	29.88	29.98				
SUNRISE: 0543					AUG 06					SUNRISE: 0547					AUG 12					SUNSET: 1906									
03	SCT	200	7.00		80	76	77	87	6	18	29.77	29.87	03	BKN	250	10.00		81	77	78	88	3	20	29.88	29.98				
06	SCT	250	10.00		78	75	76	90	0	00	29.80	29.90	06	SCT	250	10.00		80	77	78	90	0	00	29.89	29.99				
09	BKN	220	10.00		85	76	79	75	7	19	29.83	29.93	09	BKN	250	10.00		87	77	80	72	6	24	29.90	30.01				
12	BKN	220	10.00		93	76	81	58	8	20	29.79	29.90	12	SCT	250	10.00		92	74	79	56	7	26	29.88	29.98				
15	BKN	150	10.00		84	75	78	74	10	19	29.78	29.89	15	SCT	250	10.00		96	73	79	47	6	VR	29.81	29.91				
18	OVC	300	10.00		85	78	80	80	9	16	29.74	29.85	18	SCT	250	10.00		91	77	81	64	14	12	29.78	29.88				
21	BKN	300	10.00		84	78	80	82	7	18	29.78	29.88	21	SCT	250	10.00		86	75	78	70	8	16	29.82	29.92				
24	BKN	160	10.00		84	78	80	82	7	19	29.78	29.88	24	SCT	250	10.00		83	75	77	77	6	20	29.82	29.92				

# OBSERVATIONS AT 3-HOURLY INTERVALS

**HOUSTON, TX**  
AUGUST 2017

KIAH

WBAN # 12960

HOUR (LST)	SKY COVER	CEILING 100's of FT.	VISIBILITY (MILES)	WEATHER	TEMPERATURE °F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES, HG)		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						DRY BULB	DEW POINT	WET BULB		SPEED (MPH)	DIRECTION Tens of Deg	STATION	SEA LEVEL				
SUNRISE: 0547					AUG 13					SUNSET: 1906					SUNRISE: 0551					AUG 19					SUNSET: 1860				
03	SCT	250	10.00		81	76	77	85	6	20	29.80	29.91	03	FEW	250	10.00		80	76	77	87	5	19	29.88	29.98				
06	SCT	250	10.00		78	76	77	93	5	16	29.81	29.92	06	FEW	250	10.00		78	76	77	93	0	00	29.89	30.00				
09	BKN	250	10.00		86	76	79	72	8	20	29.85	29.95	09	SCT	017	10.00		88	76	79	68	7	24	29.91	30.02				
12	SCT	250	10.00		92	74	79	56	5	VR	29.83	29.93	12	SCT	055	10.00		93	73	79	52	0	00	29.90	30.00				
15	SCT	250	10.00		96	74	80	49	7	21	29.76	29.86	15	SCT	055	10.00		96	72	79	46	5	29	29.83	29.93				
18	SCT	250	10.00		93	73	79	52	9	18	29.73	29.83	18	FEW	250	10.00		93	72	78	50	8	11	29.79	29.89				
21	FEW	250	10.00		86	75	78	70	9	19	29.77	29.88	21	FEW	040	10.00		87	73	77	63	8	17	29.86	29.96				
24	CLR	NC	10.00		83	76	78	79	6	19	29.77	29.88	24	CLR	NC	10.00		83	75	77	77	5	20	29.88	29.98				
SUNRISE: 0548					AUG 14					SUNSET: 1905					SUNRISE: 0552					AUG 20					SUNSET: 1859				
03	FEW	020	10.00		81	76	77	85	6	19	29.78	29.88	03	FEW	250	10.00		80	75	77	85	0	00	29.85	29.96				
06	SCT	250	10.00		81	76	77	85	6	19	29.78	29.88	06	FEW	250	10.00		77	75	76	94	0	00	29.87	29.98				
09	BKN	270	10.00		89	75	79	63	10	20	29.80	29.91	09	SCT	250	10.00		89	77	80	68	3	19	29.92	30.02				
12	SCT	250	10.00		92	72	78	52	10	26	29.78	29.88	12	SCT	047	10.00		94	71	78	48	5	17	29.91	30.02				
15	SCT	250	10.00		96	73	79	47	8	17	29.70	29.81	15	SCT	055	10.00		95	71	78	46	7	10	29.85	29.95				
18	SCT	250	10.00		92	73	78	54	11	17	29.69	29.80	18	SCT	250	10.00		91	73	78	56	13	14	29.85	29.95				
21	SCT	250	10.00		85	72	76	65	9	17	29.75	29.86	21	SCT	250	10.00		84	75	78	74	8	15	29.90	30.00				
24	SCT	250	10.00		82	75	77	79	8	18	29.76	29.86	24	FEW	250	10.00		80	75	77	85	3	17	29.94	30.04				
SUNRISE: 0549					AUG 15					SUNSET: 1904					SUNRISE: 0552					AUG 21					SUNSET: 1858				
03	FEW	250	10.00		81	75	77	82	6	18	29.75	29.85	03	FEW	250	10.00		78	75	76	90	0	00	29.93	30.04				
06	BKN	250	10.00		81	76	77	85	3	18	29.76	29.87	06	FEW	250	10.00		78	76	77	93	5	06	29.93	30.04				
09	SCT	140	10.00		88	77	80	70	9	20	29.80	29.91	09	SCT	030	10.00		88	75	79	66	3	VR	29.97	30.07				
12	SCT	250	10.00		93	71	78	49	6	25	29.78	29.89	12	SCT	037	10.00		90	74	79	59	11	11	29.96	30.06				
15	SCT	250	10.00		96	69	77	41	9	20	29.73	29.83	15	BKN	250	10.00		94	74	80	52	9	11	29.92	30.02				
18	BKN	250	10.00		91	75	79	59	15	17	29.73	29.83	18	SCT	250	10.00		86	74	78	67	11	06	29.92	30.02				
21	SCT	250	10.00		86	76	79	72	9	17	29.79	29.89	21	SCT	250	10.00		81	74	76	79	8	13	29.96	30.07				
24	BKN	250	10.00		83	77	79	82	6	18	29.81	29.92	24	SCT	250	10.00		78	75	76	90	0	00	29.96	30.06				
SUNRISE: 0549					AUG 16					SUNSET: 1903					SUNRISE: 0553					AUG 22					SUNSET: 1856				
03	FEW	020	10.00		83	77	79	82	7	17	29.81	29.92	03	FEW	025	10.00		77	74	75	90	0	00	29.92	30.02				
06	SCT	250	10.00		83	77	79	82	5	17	29.85	29.95	06	FEW	250	10.00		76	74	75	94	3	32	29.92	30.02				
09	BKN	035	10.00		88	76	79	68	10	22	29.87	29.98	09	SCT	022	10.00		86	75	78	70	0	00	29.96	30.07				
12	SCT	040	10.00		94	74	80	52	10	22	29.87	29.97	12	SCT	040	10.00		90	72	77	56	0	00	29.95	30.05				
15	BKN	250	10.00		94	74	80	52	13	16	29.82	29.92	15	BKN	250	10.00		95	69	77	43	6	12	29.89	29.99				
18	BKN	250	10.00		91	74	79	57	9	17	29.82	29.93	18	SCT	250	10.00		91	72	78	54	11	14	29.86	29.96				
21	SCT	250	10.00		86	76	79	72	13	17	29.86	29.97	21	SCT	250	10.00		84	73	76	70	6	17	29.88	29.98				
24	SCT	250	10.00		84	78	80	82	7	17	29.87	29.98	24	FEW	250	10.00		81	74	76	79	3	22	29.88	29.99				
SUNRISE: 0550					AUG 17					SUNSET: 1902					SUNRISE: 0553					AUG 23					SUNSET: 1855				
03	SCT	250	10.00		84	78	80	82	9	18	29.89	29.99	03	SCT	250	10.00		77	74	75	90	0	00	29.87	29.97				
06	SCT	250	8.00		83	77	79	82	5	19	29.91	30.01	06	BKN	250	10.00		77	74	75	90	3	33	29.88	29.98				
09	BKN	250	10.00		88	75	79	66	9	22	29.95	30.06	09	SCT	250	10.00		87	76	79	70	3	VR	29.88	29.99				
12	SCT	250	10.00		94	70	77	46	10	22	29.94	30.04	12	BKN	250	10.00		90	71	77	54	9	06	29.84	29.95				
15	BKN	250	10.00		95	68	76	41	7	23	29.87	29.98	15	SCT	250	10.00		94	71	78	48	5	VR	29.76	29.87				
18	FEW	250	10.00		93	71	78	49	8	19	29.83	29.93	18	BKN	250	10.00		89	73	78	59	13	11	29.76	29.86				
21	FEW	250	10.00		86	71	76	61	7	20	29.89	30.00	21	SCT	250	10.00		81	74	76	79	8	11	29.79	29.90				
24	CLR	NC	10.00		83	76	78	79	6	18	29.92	30.02	24	BKN	250	10.00		79	74	76	85	5	35	29.79	29.89				
SUNRISE: 0550					AUG 18					SUNSET: 1901					SUNRISE: 0554					AUG 24					SUNSET: 1854				
03	CLR	NC	10.00		81	76	77	85	5	19	29.89	29.99	03	SCT	250	9.00		78	75	76	90	5	05	29.77	29.88				
06	FEW	015	10.00		79	76	77	90	0	00	29.90	30.01	06	BKN	110	8.00		77	74	75	90	5	05	29.79	29.89				
09	SCT	022	10.00		86	76	79	72	9	26	29.95	30.05	09	SCT	250	10.00		85	74	77	70	7	05	29.80	29.90				
12	SCT	040	10.00		94	75	80	54	8	22	29.92	30.02	12	BKN	250	10.00		92	72	78	52	6	04	29.77	29.87				
15	SCT	250	10.00		97	72	79	45	3	30	29.86	29.97	15	BKN	250	10.00		93	71	78	49	7	11	29.70	29.81				
18	SCT	250	10.00		92	76	80	60	11	14	29.84	29.94	18	BKN	250	10.00		84	71	75	65	13	10	29.71	29.81				
21	FEW	250	10.00		86	74	78	67	5	19	29.87	29.97	21	BKN	250	10.00		80	71	74	74	10	06	29.74	29.84				
24	CLR	NC	10.00		83	76	78	79	5	18	29.90	30.01	24	BKN	250	10.00		77	71	73	82	8	06	29.75	29.86				

# OBSERVATIONS AT 3-HOURLY INTERVALS

**HOUSTON, TX**  
AUGUST 2017

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		
<b>SUNRISE: 0554</b>					<b>AUG 25</b>					<b>SUNSET: 1853</b>				
03	BKN	250	10.00		77	71	73	82	10	05	29.72	29.83		
06	BKN	250	10.00		77	72	74	85	9	03	29.73	29.84		
09	OVC	100	4.00	-RA	77	75	76	94	11	07	29.76	29.87		
12	OVC	040	7.00		79	76	77	90	18	06	29.75	29.86		
15	BKN	110	7.00		78	75	76	90	20	07	29.71	29.82		
18	BKN	120	10.00		78	73	75	85	20	08	29.71	29.81		
21	OVC	015	10.00	-RA	78	74	75	87	20	08	29.73	29.83		
24	OVC	025	9.00	-RA	78	75	76	90	16	08	29.72	29.83		
<b>SUNRISE: 0555</b>					<b>AUG 26</b>					<b>SUNSET: 1852</b>				
03	OVC	030	5.00	TSRA	78	76	77	93	18	08	29.67	29.78		
06	OVC	040	3.00	+RA BR	78	76	77	93	16	09	29.68	29.79		
09	BKN	090	2.50	TSRA BR	76	74	75	94	16	12	29.74	29.85		
12	BKN	040	6.00	-RA BR	77	75	76	94	17	10	29.74	29.85		
15	OVC	100	7.00		79	76	77	90	21	07	29.69	29.80		
18	BKN	110	7.00		78	75	76	90	23	08	29.70	29.80		
21	OVC	110	3.00	TS+RA BR	76	75	75	97	15	08	29.72	29.83		
24	OVC	024	1.00	TS+RA BR	76	75	75	97	22	09	29.71	29.82		
<b>SUNRISE: 0555</b>					<b>AUG 27</b>					<b>SUNSET: 1851</b>				
03	OVC	045	1.00	+RA BR	75	74	74	96	14	05	29.68	29.78		
06	OVC	020	1.00	+RA BR	76	74	75	94	9	13	29.66	29.76		
09	OVC	065	2.50	+RA BR	76	74	75	94	14	08	29.69	29.80		
12	OVC	035	1.50	TS+RA BR	76	75	75	97	10	08	29.67	29.78		
15	OVC	045	1.00	+RA	74	73	73	97	18	06	29.61	29.72		
18	OVC	025	1.50	RA	74	73	73	97	17	06	29.58	29.69		
21	OVC	025	2.00	+RA	75	73	74	94	22	06	29.56	29.67		
24	OVC	040	2.00	RA	74	72	73	94	23	05	29.58	29.69		
<b>SUNRISE: 0556</b>					<b>AUG 28</b>					<b>SUNSET: 1850</b>				
03	OVC	020	7.00		74	71	72	91	24	05	29.53	29.63		
06	OVC	050	10.00		74	70	71	88	24	04	29.55	29.65		
09	OVC	013	3.00	-RA	72	69	70	91	24	05	29.59	29.70		
12	OVC	015	1.50	+RA	71	68	69	90	26	03	29.60	29.70		
15	OVC	012	0.75	+RA BR	71	69	70	94	18	02	29.57	29.68		
18	OVC	014	1.00	+RA BR	72	70	71	94	23	02	29.60	29.70		
21	OVC	010	3.00	RA BR	73	70	71	90	21	04	29.62	29.72		
24	OVC	010	5.00	+RA BR	72	70	71	94	20	04	29.62	29.73		
<b>SUNRISE: 0557</b>					<b>AUG 29</b>					<b>SUNSET: 1849</b>				
03	OVC	065	3.00	+RA BR	72	70	71	94	22	02	29.58	29.69		
06	OVC	030	5.00	RA BR	72	70	71	94	25	02	29.57	29.68		
09	OVC	012	3.00	RA BR	73	70	71	90	21	01	29.61	29.72		
12	OVC	019	7.00	-RA	73	70	71	90	22	36	29.61	29.72		
15	OVC	016	7.00	RA	73	70	71	90	20	35	29.60	29.71		
18	BKN	200	10.00		75	69	71	82	28	36	29.59	29.70		
21	OVC	018	10.00		73	68	70	84	20	35	29.63	29.74		
24	OVC	017	10.00	-RA	73	69	70	87	15	33	29.61	29.72		
<b>SUNRISE: 0557</b>					<b>AUG 30</b>					<b>SUNSET: 1848</b>				
03	BKN	036	10.00		74	68	70	82	16	32	29.58	29.68		
06	BKN	044	10.00		73	67	69	81	15	31	29.60	29.70		
09	BKN	180	10.00		77	68	71	74	14	31	29.65	29.75		
12	BKN	250	10.00		83	69	74	63	20	31	29.67	29.78		
15	BKN	250	10.00		84	68	73	59	18	32	29.67	29.78		
18	BKN	150	10.00		83	68	73	61	9	31	29.69	29.80		
21	BKN	250	10.00		80	67	71	64	10	32	29.74	29.84		
24	BKN	250	10.00		79	67	71	67	9	31	29.74	29.85		

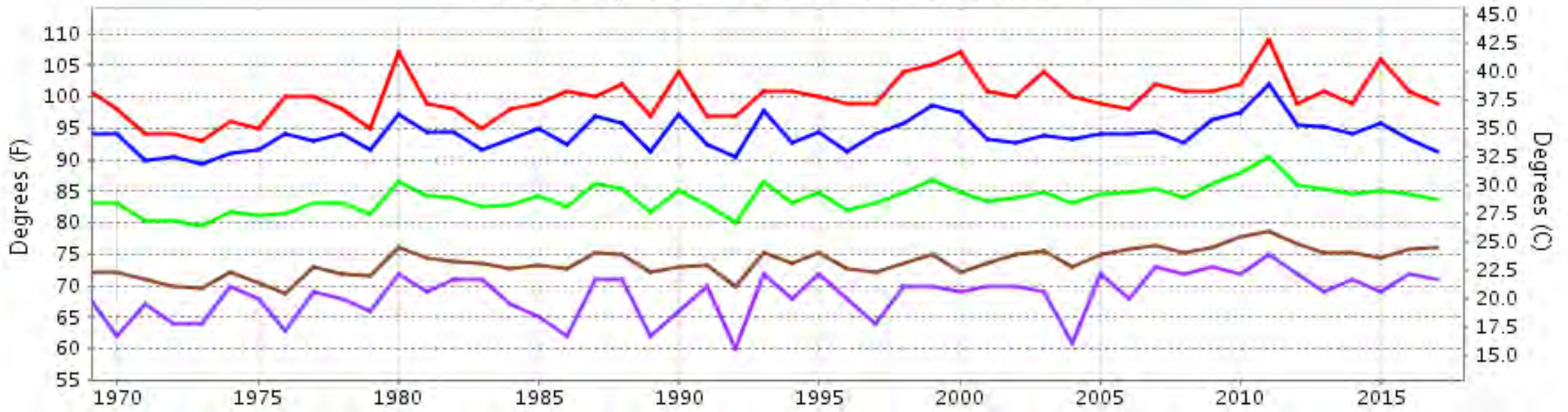
HOUR (LST)	SKY COVER	CEILING 100's of FT.	VISIBILITY (MILES)	WEATHER	TEMPERATURE °F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES, HG)			
					DRY BULB	DEW POINT	WET BULB		SPEED (MPH)	DIRECTION Tens of Deg	STATION	SEA LEVEL		
<b>SUNRISE: 0558</b>					<b>AUG 31</b>					<b>SUNSET: 1846</b>				
03	BKN	250	10.00		76	67	70	74	6	27	29.75	29.86		
06	BKN	250	10.00		73	67	69	81	6	26	29.79	29.90		
09	SCT	250	10.00		82	68	73	63	7	28	29.83	29.93		
12	FEW	250	10.00		90	66	74	45	13	29	29.81	29.92		
15	SCT	060	10.00		92	64	73	40	13	32	29.77	29.87		
18	FEW	065	10.00		89	64	72	43	9	33	29.77	29.87		
21	FEW	065	10.00		76	69	71	79	0	00	29.82	29.93		
24	FEW	250	10.00		74	69	71	85	0	00	29.83	29.94		

**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	79	74	76	87	29.82	29.92	9.12	7	3	11
02	78	74	75	87	29.81	29.91	8.90	7	2	11
03	78	74	75	88	29.81	29.91	8.61	7	2	12
04	78	74	75	88	29.80	29.91	8.94	5	2	12
05	78	74	75	89	29.81	29.92	8.90	6	2	12
06	77	74	75	90	29.82	29.92	8.77	5	2	12
07	79	75	76	87	29.83	29.94	8.41	6	2	12
08	81	75	77	81	29.84	29.95	8.65	8	1	13
09	84	75	77	75	29.85	29.96	8.77	8	1	19
10	85	74	77	70	29.85	29.96	8.78	9	1	17
11	87	73	77	66	29.85	29.95	8.88	9	1	14
12	88	73	77	63	29.84	29.94	8.94	9	1	14
13	87	73	77	66	29.83	29.93	8.45	9	2	11
14	88	73	77	63	29.81	29.91	9.24	9	3	10
15	88	72	77	62	29.79	29.89	9.02	10	3	11
16	88	72	77	62	29.78	29.89	9.05	10	4	10
17	87	73	77	65	29.78	29.88	9.13	11	6	10
18	86	73	77	67	29.78	29.88	9.34	11	6	10
19	84	74	77	72	29.78	29.89	9.27	11	6	10
20	82	74	76	76	29.79	29.90	9.45	10	5	10
21	81	74	76	79	29.81	29.92	9.29	9	4	10
22	80	74	76	80	29.82	29.93	9.27	9	3	10
23	80	74	76	83	29.83	29.93	9.31	7	3	10
24	79	74	76	85	29.82	29.93	8.98	7	2	11

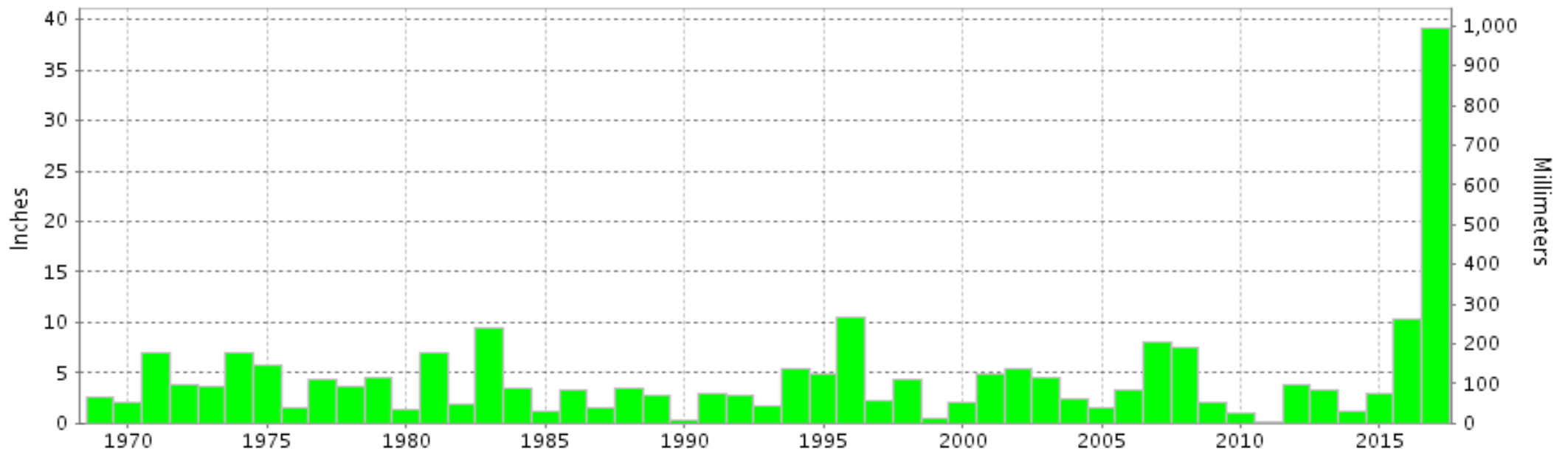
## HOUSTON, TX AUGUST Temperatures



— Extreme Max — Mean Max — Mean — Mean Min — Extreme Min

**Long-Term (1969-2017) Mean: 83.9**  
**1981-2010 Normal: 84.6**

## HOUSTON, TX AUGUST Precipitation



**Long-Term (1969-2017) Mean Monthly Total: 4.52**

**1981-2010 Normal: 3.76**



AUGUST 2017  
HOUSTON, TX

## LOCAL CLIMATOLOGICAL DATA

### NOAA, National Centers for Environmental Information

*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 Centers for Environmental Information (NCEI), Asheville, North Carolina 28801.*

A handwritten signature in black ink that reads "Mary A. Wohlgemuth".

**DIRECTOR**

NCEI now offers free online access to the **Edited Local Climatological Data Publication**. Go to : [www.ncdc.noaa.gov](http://www.ncdc.noaa.gov) and choose Most Popular.

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