



JULY 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 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			
01	94	77	86	3	74	77	0	21	BR HZ	0		0.0	0.00	29.96	30.06	7.6	17	7.7	21	15	16	16	01	
02	94	76	85	2	75	78	0	20	HZ	0		0.0	0.00	29.97	30.08	8.1	16	8.5	26	13	21	13	02	
03	95	78	87	4	74	78	0	22		0		0.0	0.00	29.91	30.02	7.1	17	8.1	23	15	18	15	03	
04	96	79	88	5	74	78	0	23		0		0.0	0.00	29.89	30.00	5.4	17	6.3	23	14	18	15	04	
05	95	77	86	3	74	78	0	21	TS	0		0.0	0.00	29.93	30.03	6.4	16	7.5	25	14	21	15	05	
06	94	76	85	2	74	77	0	20		0		0.0	0.00	29.96	30.07	5.1	14	6.3	29	14	16	17	06	
07	95	76	86	3	73	77	0	21	TS	0		0.0	0.00	29.95	30.07	3.7	19	4.2	24	18	17	18	07	
08	96	76	86	3	72	76	0	21	TS RA	0		0.0	T	29.93	30.05	1.7	21	3.8	22	05	20	05	08	
09	96	73	85	2	72	75	0	20	TS TSRA RA BR	0		0.0	2.30	29.90	30.03	2.1	20	6.4	34	16	28	15	09	
10	84	73	79*	-4	73	74	0	14	TS TSRA RA BR	0		0.0	0.51	29.90	30.01	3.0	10	6.9	22	33	15	33	10	
11	93	75	84	1	74	76	0	19		0		0.0	0.00	29.87	29.99	4.3	16	4.7	25	15	21	15	11	
12	90	75	83	0	74	77	0	18	TS TSRA RA	0		0.0	0.02	29.93	30.03	4.6	14	5.8	25	12	18	13	12	
13	93	75	84	1	75	77	0	19	TS RA	0		0.0	0.01	29.97	30.08	2.2	16	4.2	17	11	15	08	13	
14	96	76	86	3	74	77	0	21		0		0.0	0.00	29.96	30.07	1.9	16	4.3	24	13	20	13	14	
15	93	73	83	-1	74	76	0	18	TS TSRA RA BR	0		0.0	1.20	29.89	30.03	1.3	33	4.0	32	05	28	05	15	
16	92	73	83	-1	73	76	0	18	BR	0		0.0	0.00	29.82	29.94	1.2	04	4.6	16	14	13	15	16	
17	92	78	85	1	75	77	0	20		0		0.0	0.00	29.82	29.93	2.4	14	4.4	20	16	16	16	17	
18	92	77	85	1	75	77	0	20	TS TSRA RA	0		0.0	0.68	29.92	30.02	1.6	15	3.8	20	14	18	13	18	
19	94	75	85	1	74	77	0	20		0		0.0	0.00	29.98	30.08	2.4	18	3.8	19	14	15	13	19	
20	97	77	87	3	74	78	0	22		0		0.0	0.00	29.94	30.06	2.5	21	4.6	17	17	14	18	20	
21	96	76	86	2	75	78	0	21	TS RA	0		0.0	0.50	29.88	30.00	2.2	15	4.0	23	13	20	12	21	
22	94	74	84	0	75	77	0	19	TS RA	0		0.0	0.90	29.83	29.95	2.8	20	5.0	53*	28	30*	29	22	
23	94	78	86	2	74	77	0	21	TS RA	0		0.0	0.17	29.80	29.92	5.8	19	6.5	22	17	17	17	23	
24	96	80	88	4	73	77	0	23		0		0.0	0.00	29.87	29.97	5.9	20	6.9	20	16	13	18	24	
25	95	77	86	2	74	78	0	21		0		0.0	0.00	29.96	30.07	7.8	17	7.9	19	16	15	16	25	
26	97	77	87	3	74	77	0	22	TS	0		0.0	0.00	29.95	30.06	5.9	17	6.5	29	16	24	15	26	
27	98	76	87	3	73	77	0	22		0		0.0	0.00	29.88	30.00	4.9	18	5.6	26	15	22	14	27	
28	99	79	89	5	75	78	0	24		0		0.0	0.00	29.80	29.93	4.5	21	6.0	20	16	17	15	28	
29	100*	80	90*	6	74	79	0	25		0		0.0	0.00	29.78	29.89	4.9	22	7.2	19	24	15	14	29	
30	96	77	87	3	73	77	0	22	RA	0		0.0	T	29.84	29.94	5.5	04	7.1	19	04	15	04	30	
31	93	72*	83	-1	66	72	0	18		0		0.0	0.00	29.86	29.98	5.1	05	6.3	20	05	16	03	31	

94.5	76.2	85.3	☼	73.6	76.9	0.0	20.5	< MONTHLY AVERAGES TOTALS >				0.0	6.29	29.90	30.01	3.2	17	5.8	< MONTHLY AVERAGES			
0.8	1.1	0.9		-----DEPARTURE FROM NORMAL -----								2.50	SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3									

DEGREE DAYS				GREATEST 24-HR PRECIPITATION : 2.81 DATE : 09-10				SEA LEVEL PRESSURE			
MONTHLY				GREATEST 24-HR SNOWFALL : 0.0 DATE :				MAXIMUM : 30.16 DATE 02 TIME 1020			
TOTAL DEPARTURE				GREATEST SNOW DEPTH : 0 DATE :				MINIMUM : 29.83 DATE 29 TIME 1901			
SEASON TO DATE				NUMBER OF DAYS WITH ->				PRECIPITATION >= 0.01 INCH: 9			
HEATING : 0 0 0 0				MAXIMUM TEMP >= 90 : 30				MINIMUM TEMP <= 32 : 0			
COOLING : 636 35 2066 293				MAXIMUM TEMP <= 32 : 0				PRECIPITATION >= 0.10 INCH: 7			
				THUNDERSTORMS : 13				HEAVY FOG : 0			
								SNOWFALL >= 1.0 INCH : 0			

JULY 2017
HOUSTON, TX

HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

HOUSTON, TX (KIAH)
JULY 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												02	0.00	0.00	
03													03												03	0.00	0.00	
04													04												04	0.00	0.00	
05													05												05	0.00	0.00	
06													06												06	0.00	0.00	
07													07												07	0.00	0.00	
08													08												08	T	T	
09													09												09	2.30	2.30	
10	0.01							0.01	0.02	T	0.40	0.06	0.01	10										10	0.51	0.51		
11													11												11	0.00	0.00	
12													12	0.02											12	0.02	0.02	
13													13												13	0.01	0.01	
14													14												14	0.00	0.00	
15													15	0.91	0.09	0.04	0.14	0.02							15	1.20	1.20	
16													16												16	0.00	0.00	
17													17												17	0.00	0.00	
18													18												18	0.68	0.68	
19													19												19	0.00	0.00	
20													20												20	0.00	0.00	
21													21												21	0.50	0.50	
22													22												22	0.90	0.90	
23													23												23	0.17	0.17	
24													24												24	0.00	0.00	
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												29	0.00	0.00	
30													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)	0.35	0.58	0.79	1.02	1.39	1.76	2.00	2.03	2.04	2.09	2.14	2.19
Ending Date	15	15	15	09	09	09	09	09	09	09	09	09
Ending Time (Hr/Min)	1335	1336	1339	2012	2022	2031	2039	2052	2117	2138	2208	2238

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 JULY 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	5.00	10.00
02	6.00	10.00
03	7.00	10.00
04	10.00	10.00
05	10.00	10.00
06	10.00	10.00
07	10.00	10.00
08	10.00	10.00
09	0.75	10.00
10	1.50	10.00
11	10.00	10.00
12	7.00	10.00
13	10.00	10.00
14	10.00	10.00
15	4.00	10.00
16	0.50	10.00
17	10.00	10.00
18	10.00	10.00
19	10.00	10.00
20	10.00	10.00
21	10.00	10.00
22	5.00	10.00
23	10.00	10.00
24	7.00	10.00
25	7.00	10.00
26	10.00	10.00
27	10.00	10.00
28	10.00	10.00
29	10.00	10.00
30	10.00	10.00
31	10.00	10.00
AVGS	8.09	10.00
MINIMUM VISIBILITY (MILES)		
<= .25	<= 3.0	>= 7.0
0	3	24

OBSERVATIONS AT 3-HOURLY INTERVALS

HOUSTON, TX
JULY 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: 0524					JUL 01					SUNSET: 1927					SUNRISE: 0527					JUL 07					SUNSET: 1926				
03	BKN	025	8.00		81	77	78	88	8	16	29.88	29.98	03	FEW	020	10.00		77	74	75	90	3	19	29.96	30.06				
06	SCT	250	8.00		78	76	77	93	6	13	29.96	30.06	06	FEW	250	10.00		76	74	75	94	0	00	29.98	30.09				
09	SCT	250	8.00		87	75	78	67	8	18	30.00	30.11	09	SCT	250	10.00		86	74	78	67	5	21	30.03	30.13				
12	SCT	160	10.00		91	72	78	54	3	25	29.98	30.09	12	SCT	250	10.00		92	70	77	49	6	16	29.98	30.09				
15	SCT	250	10.00		92	72	78	52	11	17	29.93	30.03	15	BKN	250	10.00		95	71	78	46	7	16	29.92	30.03				
18	FEW	045	10.00		89	71	76	55	9	18	29.92	30.03	18	BKN	250	10.00		85	71	75	63	7	20	29.92	30.02				
21	FEW	030	10.00		83	74	77	74	8	17	29.97	30.07	21	SCT	250	10.00		84	76	78	77	6	19	29.93	30.03				
24	CLR	NC	8.00		79	74	76	85	3	16	29.98	30.09	24	FEW	250	10.00		81	75	77	82	6	20	29.94	30.05				
SUNRISE: 0524					JUL 02					SUNSET: 1927					SUNRISE: 0527					JUL 08					SUNSET: 1926				
03	FEW	028	7.00		77	74	75	90	5	17	29.97	30.07	03	SCT	250	10.00		77	74	75	90	0	00	29.94	30.04				
06	SCT	250	6.00	HZ	77	74	75	90	0	00	30.02	30.13	06	FEW	250	10.00		77	75	76	94	0	00	29.96	30.07				
09	BKN	250	10.00		87	75	78	67	7	18	30.05	30.15	09	SCT	250	10.00		87	75	78	67	7	28	30.00	30.11				
12	BKN	250	10.00		91	73	78	56	10	15	30.02	30.13	12	SCT	065	10.00		93	70	77	47	0	00	29.96	30.07				
15	SCT	250	10.00		93	76	81	58	14	13	29.96	30.07	15	SCT	250	10.00		94	68	76	43	0	00	29.90	30.01				
18	SCT	035	10.00		89	74	78	61	16	15	29.92	30.03	18	SCT	140	10.00		88	71	76	57	8	16	29.87	29.98				
21	FEW	025	10.00		83	74	77	74	11	18	29.94	30.05	21	BKN	250	10.00		83	70	74	65	6	11	29.94	30.04				
24	FEW	020	10.00		81	75	77	82	6	18	29.95	30.05	24	SCT	250	10.00		77	71	73	82	0	00	29.94	30.04				
SUNRISE: 0525					JUL 03					SUNSET: 1926					SUNRISE: 0527					JUL 09					SUNSET: 1926				
03	SCT	018	10.00		80	75	77	85	6	18	29.93	30.04	03	SCT	250	9.00		77	73	74	88	5	20	29.92	30.03				
06	SCT	250	10.00		79	75	76	88	3	19	29.95	30.05	06	SCT	250	10.00		76	74	75	94	0	00	29.96	30.06				
09	SCT	026	10.00		86	74	78	67	9	21	29.98	30.09	09	SCT	250	10.00		86	75	78	70	6	VR	29.97	30.08				
12	SCT	250	10.00		91	71	77	52	6	19	29.95	30.05	12	SCT	250	10.00		92	71	77	51	5	24	29.95	30.06				
15	SCT	055	10.00		95	72	79	47	7	18	29.88	29.98	15	SCT	075	10.00		87	69	75	55	18	17	29.88	29.99				
18	SCT	070	10.00		89	75	79	63	17	16	29.86	29.96	18	SCT	140	10.00		87	71	76	59	13	12	29.86	29.97				
21	FEW	060	10.00		85	75	78	72	11	17	29.87	29.98	21	SCT	025	7.00		74	73	73	97	7	36	29.95	30.06				
24	SCT	017	10.00		82	76	78	82	6	17	29.89	30.00	24	OVC	150	8.00	-RA	73	72	72	96	6	17	29.87	29.98				
SUNRISE: 0525					JUL 04					SUNSET: 1926					SUNRISE: 0528					JUL 10					SUNSET: 1926				
03	FEW	025	10.00		81	76	77	85	5	17	29.89	30.00	03	BKN	200	10.00		74	72	73	94	3	10	29.88	29.99				
06	FEW	250	10.00		79	75	76	88	0	00	29.93	30.04	06	BKN	070	10.00		75	72	73	90	7	05	29.92	30.02				
09	BKN	250	10.00		86	74	78	67	8	18	29.95	30.05	09	BKN	050	10.00		79	73	75	82	11	33	29.95	30.06				
12	BKN	250	10.00		92	73	78	54	5	VR	29.91	30.01	12	BKN	110	10.00		78	72	74	82	3	33	29.96	30.06				
15	FEW	055	10.00		93	72	78	50	6	20	29.86	29.96	15	BKN	180	10.00		81	73	75	77	8	13	29.91	30.02				
18	SCT	060	10.00		91	74	79	57	15	16	29.83	29.93	18	SCT	140	10.00		83	73	76	72	8	11	29.87	29.98				
21	FEW	033	10.00		84	74	77	72	8	18	29.90	30.00	21	BKN	250	10.00		78	74	75	87	11	14	29.87	29.98				
24	FEW	020	10.00		81	74	76	79	6	18	29.92	30.02	24	SCT	250	10.00		79	74	76	85	3	17	29.89	29.99				
SUNRISE: 0526					JUL 05					SUNSET: 1926					SUNRISE: 0528					JUL 11					SUNSET: 1925				
03	FEW	018	10.00		80	74	76	82	6	17	29.91	30.02	03	SCT	250	10.00		76	74	75	94	0	00	29.87	29.98				
06	FEW	020	10.00		77	74	75	90	5	16	29.92	30.03	06	BKN	250	10.00		75	74	74	96	0	00	29.89	30.00				
09	BKN	250	10.00		86	75	78	70	0	00	29.98	30.10	09	BKN	200	10.00		84	76	78	77	3	25	29.92	30.03				
12	BKN	250	10.00		92	75	80	58	5	11	29.95	30.06	12	SCT	200	10.00		89	74	78	61	0	00	29.89	29.99				
15	SCT	250	10.00		93	75	80	56	16	14	29.91	30.01	15	BKN	150	10.00		86	73	77	65	20	16	29.86	29.97				
18	SCT	250	10.00		87	74	78	65	9	17	29.87	29.98	18	SCT	180	10.00		86	74	78	67	10	13	29.84	29.95				
21	FEW	250	10.00		84	74	77	72	9	17	29.93	30.04	21	SCT	250	10.00		82	73	76	74	3	16	29.88	29.98				
24	SCT	250	10.00		82	75	77	79	3	18	29.98	30.08	24	SCT	250	10.00		78	74	75	87	5	17	29.89	30.00				
SUNRISE: 0526					JUL 06					SUNSET: 1926					SUNRISE: 0529					JUL 12					SUNSET: 1925				
03	FEW	020	10.00		78	75	76	90	6	15	29.96	30.06	03	SCT	250	10.00		76	74	75	94	0	00	29.89	30.00				
06	FEW	020	10.00		76	74	75	94	3	15	29.97	30.07	06	SCT	250	10.00		75	73	74	94	0	00	29.93	30.03				
09	SCT	025	10.00		87	74	78	65	3	VR	30.01	30.11	09	SCT	250	10.00		87	75	78	67	6	16	29.96	30.06				
12	BKN	250	10.00		92	75	80	58	9	11	30.00	30.10	12	BKN	250	10.00		90	75	79	62	7	16	29.95	30.05				
15	SCT	250	10.00		93	71	78	49	15	14	29.93	30.04	15	SCT	200	10.00		83	74	77	74	5	07	29.91	30.02				
18	SCT	250	10.00		90	70	76	52	13	11	29.92	30.03	18	SCT	120	10.00		84	73	76	70	9	12	29.91	30.01				
21	FEW	250	10.00		84	73	76	70	7	18	29.95	30.06	21	BKN	250	10.00		82	75	77	79	9	16	29.93	30.03				
24	FEW	250	10.00		82	74	76	77	3	19	29.97	30.08	24	FEW	250	10.00		77	74	75	90	5	18	29.95	30.06				

OBSERVATIONS AT 3-HOURLY INTERVALS

HOUSTON, TX
JULY 2017

KIAH

WBAN # 12960

HOUR (LST)	SKY COVER	CEILING 100's of FT.	VISIBILITY (MILES)	WEATHER	TEMPERATURE °F				WIND		PRESSURE (INCHES, HG)		HOUR (LST)	SKY COVER	CEILING 100's of FT.	VISIBILITY (MILES)	WEATHER	TEMPERATURE °F				WIND		PRESSURE (INCHES, HG)	
					DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	SPEED (MPH)	DIRECTION Tens of Deg	STATION	SEA LEVEL						DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	SPEED (MPH)	DIRECTION Tens of Deg	STATION	SEA LEVEL
SUNRISE: 0529 JUL 13					SUNSET: 1925					SUNRISE: 0533 JUL 19					SUNSET: 1923										
03	SCT	250	10.00		76	74	75	94	3	02	29.96	30.07	03	SCT	250	10.00		75	73	74	94	0	00	29.97	30.07
06	FEW	250	10.00		76	75	75	97	5	36	29.98	30.10	06	FEW	250	10.00		75	73	74	94	5	35	30.01	30.11
09	SCT	250	10.00		88	76	79	68	0	00	30.02	30.12	09	SCT	250	10.00		87	75	78	67	0	00	30.03	30.14
12	BKN	080	10.00		90	73	78	58	5	13	30.00	30.11	12	SCT	270	10.00		91	72	78	54	0	00	30.02	30.12
15	BKN	250	10.00		87	73	77	63	5	21	29.96	30.06	15	SCT	260	10.00		92	74	79	56	11	14	29.97	30.07
18	BKN	250	10.00		87	76	79	70	9	10	29.93	30.04	18	BKN	250	10.00		90	75	79	62	3	20	29.94	30.04
21	BKN	250	10.00		80	74	76	82	6	16	29.96	30.06	21	FEW	250	10.00		83	76	78	79	3	18	29.95	30.06
24	SCT	250	10.00		79	76	77	90	3	20	29.98	30.09	24	FEW	250	10.00		82	75	77	79	6	20	29.97	30.08
SUNRISE: 0530 JUL 14					SUNSET: 1925					SUNRISE: 0533 JUL 20					SUNSET: 1922										
03	SCT	250	10.00		77	75	76	94	0	00	29.98	30.09	03	FEW	250	10.00		79	75	76	88	0	00	29.98	30.09
06	SCT	250	10.00		77	74	75	90	0	00	30.00	30.11	06	FEW	250	10.00		77	76	76	96	0	00	30.01	30.11
09	SCT	300	10.00		87	74	78	65	5	24	30.01	30.11	09	SCT	280	10.00		88	77	80	70	7	28	30.03	30.13
12	SCT	280	10.00		93	73	79	52	3	VR	29.98	30.10	12	SCT	040	10.00		93	72	78	50	5	20	29.98	30.09
15	BKN	250	10.00		95	69	77	43	5	VR	29.94	30.04	15	SCT	270	10.00		95	72	79	47	6	VR	29.92	30.03
18	BKN	250	10.00		89	76	80	65	11	13	29.92	30.02	18	SCT	250	10.00		93	73	79	52	8	17	29.88	29.99
21	BKN	250	10.00		84	74	77	72	3	18	29.94	30.05	21	SCT	250	10.00		86	73	77	65	6	18	29.91	30.01
24	BKN	250	10.00		80	76	77	87	5	20	29.96	30.06	24	FEW	250	10.00		83	73	76	72	3	21	29.92	30.02
SUNRISE: 0531 JUL 15					SUNSET: 1924					SUNRISE: 0534 JUL 21					SUNSET: 1922										
03	BKN	250	10.00		78	76	77	93	0	00	29.95	30.05	03	FEW	250	10.00		80	74	76	82	0	00	29.89	30.00
06	BKN	250	10.00		78	76	77	93	0	00	29.96	30.06	06	SCT	250	10.00		77	74	75	90	0	00	29.92	30.02
09	BKN	250	10.00		87	75	78	67	5	28	29.97	30.08	09	BKN	300	10.00		87	76	79	70	5	27	29.95	30.05
12	SCT	055	10.00		92	74	79	56	7	27	29.91	30.02	12	BKN	300	10.00		92	72	78	52	0	00	29.91	30.02
15	BKN	055	10.00		75	72	73	90	9	18	29.90	30.01	15	BKN	300	10.00		93	73	79	52	8	10	29.85	29.96
18	BKN	110	7.00		77	73	74	88	3	25	29.85	29.95	18	BKN	070	10.00		83	77	79	82	9	10	29.85	29.95
21	SCT	200	10.00		74	72	73	94	6	32	29.87	29.97	21	BKN	300	10.00		84	74	77	72	6	21	29.85	29.96
24	BKN	250	10.00		73	71	72	94	0	00	29.88	29.98	24	SCT	200	10.00		82	75	77	79	3	20	29.86	29.97
SUNRISE: 0531 JUL 16					SUNSET: 1924					SUNRISE: 0534 JUL 22					SUNSET: 1921										
03	BKN	003	0.50	BR	74	72	73	94	5	32	29.86	29.96	03	SCT	250	10.00		78	75	76	90	5	16	29.84	29.95
06	OVC	004	0.50		74	72	73	94	6	36	29.86	29.97	06	SCT	250	10.00		77	75	76	94	0	00	29.86	29.96
09	SCT	250	10.00		80	73	75	79	7	VR	29.88	29.99	09	BKN	250	10.00		87	76	79	70	7	24	29.90	30.01
12	SCT	250	10.00		87	72	77	61	5	VR	29.85	29.96	12	SCT	100	10.00		92	73	78	54	6	VR	29.85	29.96
15	SCT	250	10.00		91	71	77	52	6	VR	29.80	29.91	15	SCT	130	10.00		94	76	81	56	13	15	29.80	29.90
18	SCT	300	10.00		90	71	77	54	6	08	29.75	29.85	18	SCT	030	5.00		75	72	73	90	8	33	29.80	29.91
21	SCT	300	10.00		84	72	76	67	7	19	29.77	29.88	21	BKN	250	10.00		76	75	75	97	0	00	29.81	29.92
24	SCT	300	10.00		79	74	76	85	0	00	29.82	29.93	24	FEW	250	10.00		80	76	77	87	6	18	29.83	29.94
SUNRISE: 0532 JUL 17					SUNSET: 1924					SUNRISE: 0535 JUL 23					SUNSET: 1921										
03	BKN	300	10.00		78	75	76	90	0	00	29.80	29.90	03	FEW	250	10.00		79	75	76	88	5	19	29.80	29.91
06	SCT	150	10.00		78	75	76	90	3	02	29.81	29.92	06	BKN	250	10.00		79	76	77	90	0	00	29.82	29.93
09	SCT	250	10.00		86	75	78	70	0	00	29.85	29.96	09	BKN	250	10.00		86	77	80	75	9	21	29.84	29.95
12	BKN	250	10.00		90	74	79	59	0	00	29.84	29.95	12	SCT	150	10.00		92	74	79	56	6	24	29.84	29.94
15	BKN	250	10.00		91	73	78	56	13	14	29.80	29.91	15	BKN	140	10.00		85	72	76	65	10	15	29.78	29.88
18	BKN	250	10.00		88	75	79	66	11	15	29.81	29.91	18	BKN	250	10.00		92	73	78	54	10	19	29.75	29.86
21	BKN	250	10.00		83	76	78	79	5	17	29.81	29.92	21	BKN	250	10.00		85	72	76	65	10	19	29.80	29.90
24	SCT	250	10.00		82	75	77	79	0	00	29.86	29.96	24	BKN	250	10.00		83	74	77	74	8	21	29.82	29.93
SUNRISE: 0532 JUL 18					SUNSET: 1923					SUNRISE: 0536 JUL 24					SUNSET: 1920										
03	FEW	250	10.00		77	75	76	94	0	00	29.86	29.96	03	BKN	200	10.00		82	76	78	82	7	21	29.83	29.94
06	SCT	250	10.00		78	75	76	90	0	00	29.89	29.99	06	BKN	250	10.00		81	76	77	85	6	21	29.84	29.95
09	BKN	250	10.00		85	76	79	75	6	13	29.95	30.06	09	OVC	250	7.00		86	75	78	70	6	22	29.90	30.01
12	OVC	250	10.00	-TSRA	83	73	76	72	0	00	29.96	30.06	12	BKN	250	10.00		92	73	78	54	8	25	29.90	30.00
15	BKN	250	10.00		90	75	79	62	6	28	29.89	30.00	15	BKN	250	10.00		94	69	77	44	6	VR	29.84	29.94
18	SCT	170	10.00		88	75	79	66	10	15	29.89	30.00	18	BKN	250	10.00		92	68	76	46	10	18	29.84	29.95
21	SCT	250	10.00		82	74	76	77	5	17	29.93	30.03	21	SCT	250	10.00		84	72	76	67	8	18	29.89	29.99
24	SCT	250	10.00		78	74	75	87	3	15	29.97	30.07	24	BKN	220	10.00		82	74	76	77	5	17	29.93	30.03

OBSERVATIONS AT 3-HOURLY INTERVALS

HOUSTON, TX
JULY 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					
SUNRISE: 0536 JUL 25 SUNSET: 1920					03	OVC	220	10.00		81	74	76	79	5	19	29.94	30.04
06	BKN	220	10.00		78	74	75	87	3	20	29.97	30.07					
09	OVC	250	7.00		87	76	79	70	8	16	30.01	30.11					
12	BKN	250	10.00		92	72	78	52	9	17	29.98	30.10					
15	BKN	190	10.00		94	74	80	52	13	17	29.95	30.06					
18	SCT	230	10.00		89	76	80	65	10	17	29.93	30.04					
21	SCT	230	10.00		85	75	78	72	9	17	29.97	30.08					
24	SCT	250	10.00		83	73	76	72	6	17	29.98	30.08					
SUNRISE: 0537 JUL 26 SUNSET: 1919					03	BKN	200	10.00		78	74	75	87	5	15	29.95	30.05
06	SCT	200	10.00		78	74	75	87	5	18	29.98	30.10					
09	SCT	200	10.00		86	73	77	65	7	20	30.01	30.11					
12	SCT	250	10.00		92	73	78	54	0	00	29.98	30.09					
15	BKN	250	10.00	TS	90	74	79	59	18	16	29.93	30.03					
18	SCT	250	10.00		91	75	79	59	11	18	29.91	30.01					
21	SCT	250	10.00		85	73	77	68	6	17	29.92	30.03					
24	FEW	250	10.00		81	74	76	79	3	19	29.94	30.04					
SUNRISE: 0537 JUL 27 SUNSET: 1919					03	FEW	250	10.00		79	74	76	85	3	17	29.93	30.03
06	FEW	250	10.00		77	74	75	90	0	00	29.93	30.03					
09	SCT	024	10.00		87	75	78	67	6	23	29.96	30.06					
12	SCT	250	10.00		92	72	78	52	8	16	29.94	30.05					
15	SCT	250	10.00		97	70	78	42	5	17	29.87	29.98					
18	SCT	250	10.00		90	71	77	54	9	17	29.83	29.94					
21	FEW	250	10.00		86	72	76	63	7	18	29.84	29.94					
24	CLR	NC	10.00		82	75	77	79	7	20	29.85	29.96					
SUNRISE: 0538 JUL 28 SUNSET: 1918					03	FEW	250	10.00		80	76	77	87	0	00	29.85	29.96
06	BKN	250	10.00		80	76	77	87	0	00	29.87	29.98					
09	BKN	300	10.00		87	76	79	70	9	25	29.88	29.99					
12	SCT	300	10.00		93	74	79	54	8	21	29.85	29.95					
15	SCT	300	10.00		97	69	77	40	7	18	29.78	29.89					
18	SCT	300	10.00		94	76	81	56	0	00	29.74	29.85					
21	FEW	300	10.00		87	75	78	67	8	18	29.78	29.89					
24	CLR	NC	10.00		83	76	78	79	7	21	29.80	29.90					
SUNRISE: 0539 JUL 29 SUNSET: 1917					03	FEW	250	10.00		82	76	78	82	9	22	29.77	29.88
06	BKN	250	10.00		80	75	77	85	7	24	29.80	29.91					
09	BKN	250	10.00		88	75	79	66	9	26	29.82	29.92					
12	BKN	250	10.00		94	73	79	51	7	26	29.80	29.91					
15	BKN	250	10.00		99	72	80	42	0	00	29.76	29.86					
18	BKN	250	10.00		93	76	81	58	15	14	29.73	29.83					
21	BKN	250	10.00		88	75	79	66	8	17	29.76	29.87					
24	FEW	250	10.00		84	74	77	72	5	24	29.81	29.92					
SUNRISE: 0539 JUL 30 SUNSET: 1917					03	SCT	250	10.00		82	76	78	82	0	00	29.81	29.92
06	BKN	090	10.00		80	77	78	90	0	00	29.84	29.95					
09	BKN	060	10.00		85	74	77	70	9	05	29.88	29.98					
12	BKN	250	10.00		90	76	80	63	8	05	29.87	29.97					
15	BKN	250	10.00		95	76	81	54	8	02	29.83	29.93					
18	FEW	250	10.00		92	69	76	47	13	03	29.81	29.91					
21	FEW	250	10.00		85	64	71	50	11	06	29.84	29.95					
24	FEW	250	10.00		77	66	70	69	8	07	29.88	29.98					

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: 0540 JUL 31 SUNSET: 1916					03	SCT	250	10.00		75	66	69	74	3	03	29.88	29.98
06	BKN	250	10.00		72	66	68	82	3	02	29.89	29.99					
09	SCT	300	10.00		82	66	71	58	7	06	29.93	30.03					
12	SCT	300	10.00		89	66	74	47	8	05	29.90	30.01					
15	SCT	300	10.00		91	66	74	44	11	05	29.86	29.96					
18	FEW	250	10.00		89	64	72	43	11	10	29.84	29.95					
21	FEW	250	10.00		79	64	69	60	6	VR	29.87	29.98					
24	FEW	250	10.00		76	67	70	74	0	00	29.87	29.97					

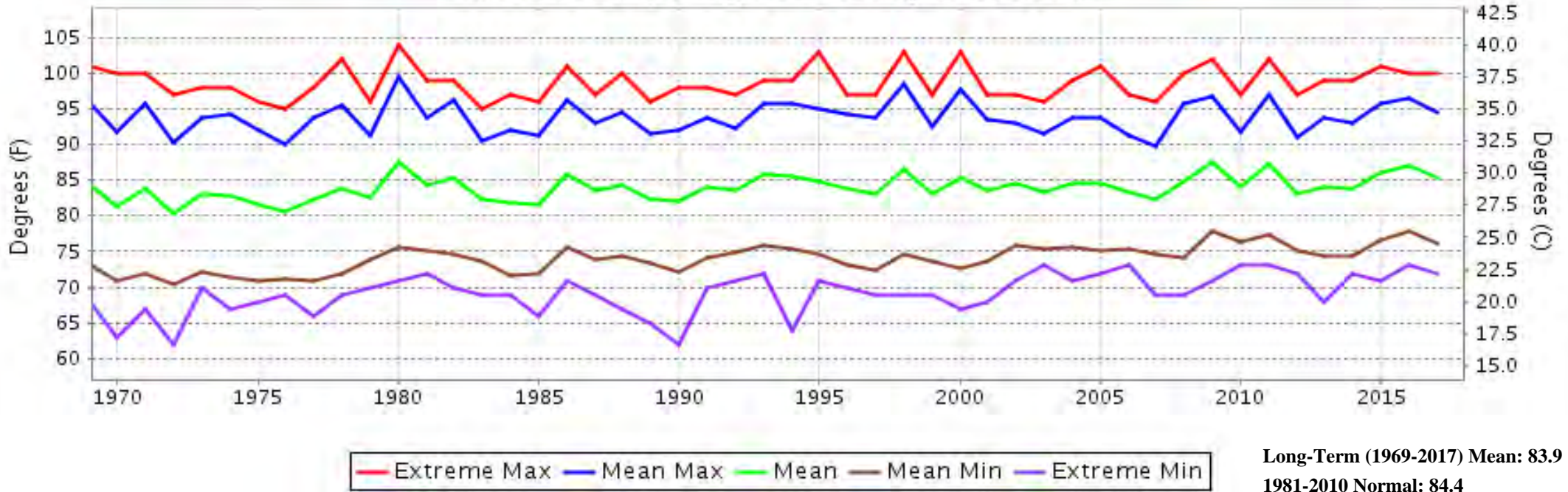
3-HOURLY OBSERVATION NOTES

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.

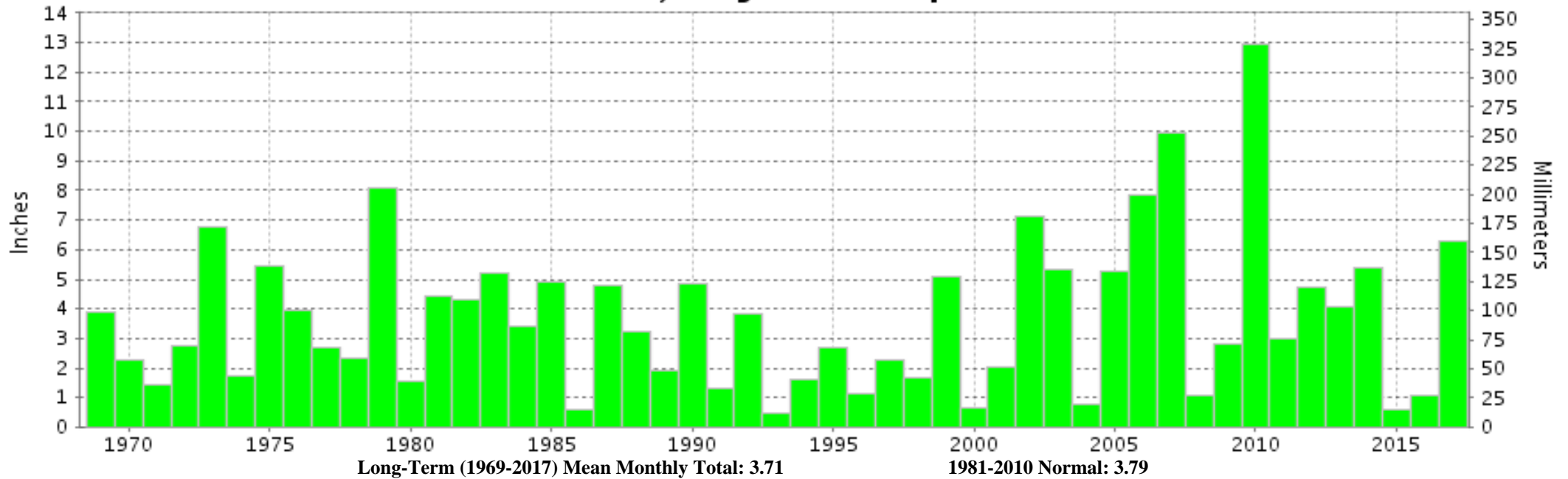
SUMMARY BY HOUR

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	80	74	76	83	29.90	30.01	9.83	4	4	19
02	79	74	76	86	29.90	30.01	9.74	2	6	18
03	78	74	76	88	29.90	30.00	9.50	3	6	18
04	78	74	75	89	29.90	30.00	9.40	3	6	18
05	78	74	75	89	29.91	30.02	9.47	2	9	18
06	77	74	75	91	29.92	30.03	9.50	2	7	18
07	81	75	77	84	29.94	30.04	9.47	4	5	19
08	84	75	78	77	29.95	30.06	9.55	5	5	20
09	86	75	78	69	29.96	30.06	9.74	6	5	21
10	88	74	78	63	29.96	30.06	9.60	6	6	21
11	89	73	78	60	29.95	30.05	9.90	6	6	20
12	91	73	78	56	29.93	30.04	10.00	5	5	18
13	91	73	78	55	29.91	30.02	9.90	6	5	17
14	91	72	78	55	29.90	30.00	9.87	7	6	15
15	91	72	78	55	29.88	29.99	10.00	9	6	14
16	91	73	78	56	29.87	29.97	9.90	9	5	14
17	89	73	78	59	29.86	29.97	9.81	10	6	13
18	88	73	77	62	29.86	29.96	9.74	10	6	13
19	86	73	77	65	29.86	29.97	9.97	9	5	14
20	84	73	77	71	29.87	29.98	9.70	8	4	15
21	83	73	76	73	29.89	29.99	9.90	7	4	17
22	82	74	76	76	29.90	30.01	9.81	6	4	17
23	81	74	76	78	29.91	30.01	9.81	5	4	18
24	80	74	76	81	29.91	30.01	9.87	4	4	18

HOUSTON, TX JULY Temperatures



HOUSTON, TX JULY Precipitation





JULY 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

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