



JULY 2015

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	Temperature °F						Deg Days BASE 65°		WEATHER	SNOW/ICE ON GND(IN)		PRECIPITATION ON GND(IN)		PRESSURE (INCHES OF HG)		WIND SPEED = MPH DIR = TENS OF DEGREES								Date
	MAXIMUM	MINIMUM	AVERAGE	DEP FROM NORMAL	AVERAGE DEW PT	AVERAGE WET BULB	HEATING	COOLING		0600 LST	1200 LST	2400 LST	2400 LST	AVERAGE STATION	AVERAGE SEA LEVEL	RESULTANT SPEED	RES DIR	AVERAGE SPEED	MAXIMUM					
																			3-SEC		2-MIN			
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	89	71	80*	-3	73	74	0	15	TS TSRA RA BR	0		0.0	0.38	29.93	30.05	3.0	17	4.0	33	22	22	19	01	
02	92	71*	82	-1	73	75	0	17		0		0.0	0.00	29.89	30.01	5.4	17	5.6	23	15	18	15	02	
03	94	75	85	2	74	77	0	20	TS RA	0		0.0	T	29.86	29.98	6.0	17	6.5	25	15	23	15	03	
04	92	78	85	2	75	78	0	20	TS RA	0		0.0	T	29.88	29.99	6.4	18	6.8	26	17	18	15	04	
05	93	77	85	2	75	78	0	20		0		0.0	0.00	29.92	30.03	7.5	17	7.9	23	16	17	15	05	
06	92	80	86	3	75	78	0	21	BR HZ	0		0.0	0.00	29.92	30.03	10.5	17	10.5	26	15	21	15	06	
07	92	79	86	3	76	78	0	21	RA BR	0		0.0	T	29.91	30.01	10.9	17	11.0	26	15	22	15	07	
08	93	80	87	4	73	77	0	22	HZ	0		0.0	0.00	29.93	30.03	10.7	17	10.9	28	16	21	16	08	
09	94	76	85	2	74	77	0	20		0		0.0	0.00	29.94	30.05	7.2	17	7.6	23	14	21	14	09	
10	93	74	84	1	73	76	0	19	RA	0		0.0	T	29.97	30.08	4.4	16	5.0	21	14	17	15	10	
11	93	75	84	1	74	77	0	19	RA	0		0.0	T	29.99	30.11	5.7	15	6.4	21	15	17	14	11	
12	95	76	86	3	74	77	0	21		0		0.0	0.00	29.93	30.06	2.6	18	3.7	20	15	12	11	12	
13	96	76	86	3	72	77	0	21		0		0.0	0.00	29.82	29.95	4.2	21	5.4	16	17	13	19	13	
14	96	77	87	4	72	76	0	22		0		0.0	0.00	29.78	29.90	4.8	20	6.1	20	22	14	18	14	
15	96	74	85	1	73	77	0	20		0		0.0	0.00	29.83	29.93	4.4	17	5.7	22	14	16	16	15	
16	96	76	86	2	74	78	0	21		0		0.0	0.00	29.85	29.96	5.1	16	6.2	22	13	18	13	16	
17	95	77	86	2	75	78	0	21	RA	0		0.0	0.06	29.85	29.96	3.9	17	5.0	25	17	20	17	17	
18	97	80	89	5	76	79	0	24		0		0.0	0.00	29.88	29.99	5.8	16	7.2	31	11	18	15	18	
19	97	75	86	2	74	78	0	21		0		0.0	0.00	29.88	29.99	3.7	18	4.3	20	15	16	14	19	
20	97	77	87	3	74	78	0	22		0		0.0	0.00	29.82	29.94	3.7	19	5.0	21	15	17	15	20	
21	95	76	86	2	75	78	0	21	RA	0		0.0	T	29.79	29.90	4.1	16	6.3	22	13	18	14	21	
22	96	78	87	3	75	78	0	22	RA	0		0.0	T	29.81	29.92	6.0	18	7.2	24	16	20	16	22	
23	98	77	88	4	73	77	0	23		0		0.0	0.00	29.87	29.98	7.0	19	7.5	23	26	14	23	23	
24	98	75	87	3	74	78	0	22		0		0.0	0.00	29.88	30.00	4.8	17	5.9	22	15	18	15	24	
25	99	75	87	3	74	78	0	22		0		0.0	0.00	29.83	29.95	3.7	18	4.9	21	13	17	15	25	
26	99	78	89	5	74	78	0	24	BR	0		0.0	0.00	29.79	29.90	3.8	19	5.0	24	18	16	15	26	
27	98	80	89	5	74	78	0	24		0		0.0	0.00	29.82	29.92	4.6	19	5.2	22	15	18	14	27	
28	100	76	88	4	73	77	0	23		0		0.0	0.00	29.85	29.96	5.5	15	6.5	24	13	20	14	28	
29	100	75	88	4	73	77	0	23		0		0.0	0.00	29.90	30.01	1.9	18	3.0	15	16	12	16	29	
30	101*	79	90*	6	74	78	0	25	TS TSRA RA	0		0.0	0.17	29.90	30.01	1.4	32	5.1	35*	05	26*	07	30	
31	99	78	89	5	72	76	0	24		0		0.0	0.00	29.85	29.98	6.3	04	7.2	24	04	20	03	31	
95.6		76.5	86.1	☼	73.9	77.3	0.0	21.3	< MONTHLY AVERAGES TOTALS >		0.0	0.61	29.87	29.99	4.8	17	6.3	< MONTHLY AVERAGES						
1.9	1.4	1.7	-----DEPARTURE FROM NORMAL -----								-3.18				SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3									
DEGREE DAYS									GREATEST 24-HR PRECIPITATION : 0.38 DATE : 01				SEA LEVEL PRESSURE				DATE TIME							
MONTHLY									GREATEST 24-HR SNOWFALL : 0.0 DATE :				MAXIMUM : 30.15				11 1131							
TOTAL DEPARTURE									GREATEST SNOW DEPTH : 0 DATE :				MINIMUM : 29.83				14 1853							
SEASON TO DATE									NUMBER OF -> DAYS WITH				MAXIMUM TEMP >= 90 : 30		MINIMUM TEMP <= 32 : 0		PRECIPITATION >= 0.01 INCH : 3							
HEATING : 0 0 0 0									MAXIMUM TEMP <= 32 : 0		MINIMUM TEMP <= 0 : 0		PRECIPITATION >= 0.10 INCH : 2		SNOWFALL >= 1.0 INCH : 0									
COOLING : 660 59 1875 102									THUNDERSTORMS : 4		HEAVY FOG : 0													

JULY 2015
HOUSTON, TX

HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

HOUSTON, TX (KIAH)
JULY 2015

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												T	0.33	01	T			0.04	0.01	T						01	0.38	0.38	
02														02													02	0.00	0.00
03														03			T										03	T	T
04														04	T												04	T	T
05														05													05	0.00	0.00
06														06													06	0.00	0.00
07														07		T											07	T	T
08														08													08	0.00	0.00
09														09													09	0.00	0.00
10														10			T	T									10	T	T
11														11		T	T										11	T	T
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														16													16	0.00	0.00
17														17		T	0.04	0.02									17	0.06	0.06
18														18													18	0.00	0.00
19														19													19	0.00	0.00
20														20													20	0.00	0.00
21														21			T										21	T	T
22														22			T										22	T	T
23														23													23	0.00	0.00
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	0.17	0.17
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)	0.13	0.20	0.24	0.28	0.32	0.33	0.33	0.33	0.33	0.33	0.33	0.33
Ending Date	01	01	01	01	01	01	01	01	01	01	01	01
Ending Time (Hr/Min)	1113	1117	1122	1127	1137	1137	1137	1137	1137	1137	1137	1137

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 2015

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	7.00	10.00
02	7.00	10.00
03	7.00	10.00
04	8.00	10.00
05	8.00	10.00
06	6.00	10.00
07	6.00	10.00
08	6.00	10.00
09	7.00	10.00
10	8.00	10.00
11	10.00	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	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	10.00	10.00
23	8.00	10.00
24	8.00	10.00
25	10.00	10.00
26	5.00	10.00
27	7.00	10.00
28	10.00	10.00
29	7.00	10.00
30	7.00	10.00
31	7.00	10.00
AVGS	8.35	10.00
MINIMUM VISIBILITY (MILES)		
<= .25	<= 3.0	>= 7.0
0	0	27

OBSERVATIONS AT 3-HOURLY INTERVALS

HOUSTON, TX
JULY 2015

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	250	10.00		71	70	70	96	6	12	29.93	30.04	03	BKN	250	8.00	BR	80	77	78	90	8	16	29.90	30.00
06	BKN	250	10.00		74	73	73	97	3	VR	29.92	30.03	06	BKN	250	6.00		81	78	79	91	7	17	29.92	30.03
09	BKN	250	10.00		83	76	78	79	6	16	29.96	30.07	09	BKN	250	7.00		86	76	79	72	9	19	29.92	30.03
12	OVC	150	7.00	-RA	74	72	73	94	3	15	29.97	30.08	12	SCT	250	10.00		91	73	78	56	15	17	29.93	30.03
15	OVC	250	10.00		84	76	78	77	0	00	29.93	30.03	15	SCT	250	10.00		91	75	79	59	18	15	29.88	29.98
18	BKN	120	10.00		76	73	74	91	5	13	29.91	30.02	18	BKN	250	10.00		87	74	78	65	14	18	29.87	29.98
21	BKN	250	10.00		74	73	73	97	5	16	29.94	30.04	21	BKN	250	9.00		84	76	78	77	10	17	29.91	30.01
24	SCT	250	8.00		73	72	72	96	5	18	29.94	30.04	24	BKN	250	8.00		82	77	78	85	8	17	29.93	30.03
SUNRISE: 0524 JUL 02					SUNSET: 1927					SUNRISE: 0527 JUL 08					SUNSET: 1926										
03	BKN	250	8.00		72	71	71	97	0	00	29.90	30.01	03	BKN	250	8.00	HZ	82	77	78	85	9	17	29.89	29.99
06	SCT	250	7.00		72	70	71	94	0	00	29.92	30.03	06	BKN	250	6.00		80	74	76	82	6	17	29.93	30.03
09	BKN	250	7.00		82	77	78	85	5	14	29.94	30.05	09	BKN	250	7.00		86	73	77	65	14	20	29.95	30.06
12	OVC	250	10.00		89	74	78	61	6	18	29.92	30.02	12	SCT	250	10.00		91	71	77	52	22	16	29.95	30.05
15	BKN	250	7.00		90	71	77	54	10	18	29.90	30.00	15	SCT	250	10.00		91	70	76	50	15	18	29.92	30.03
18	BKN	250	10.00		88	73	77	61	10	17	29.86	29.97	18	SCT	250	10.00		88	71	76	57	13	18	29.90	30.01
21	BKN	250	10.00		82	74	76	77	8	17	29.84	29.94	21	SCT	250	10.00		83	73	76	72	8	17	29.93	30.04
24	BKN	250	9.00		76	74	75	94	0	00	29.89	29.99	24	SCT	250	9.00		80	75	77	85	8	16	29.95	30.06
SUNRISE: 0525 JUL 03					SUNSET: 1926					SUNRISE: 0527 JUL 09					SUNSET: 1926										
03	BKN	250	8.00		76	75	75	97	0	00	29.89	30.00	03	SCT	250	9.00		80	75	77	85	6	17	29.93	30.04
06	SCT	250	7.00		75	75	75	100	3	17	29.88	29.99	06	SCT	250	7.00		76	74	75	94	0	00	29.97	30.07
09	SCT	250	10.00		85	75	78	72	3	21	29.90	30.01	09	BKN	025	10.00		86	75	78	70	7	21	29.98	30.10
12	BKN	250	10.00		90	73	78	58	10	15	29.89	29.99	12	BKN	040	10.00		89	74	78	61	11	16	29.97	30.07
15	OVC	250	10.00		89	74	78	61	11	13	29.86	29.96	15	SCT	050	10.00		93	72	78	50	10	14	29.93	30.04
18	BKN	250	10.00		86	73	77	65	10	16	29.84	29.95	18	FEW	045	10.00		89	72	77	57	13	17	29.91	30.01
21	BKN	250	10.00		83	74	77	74	6	18	29.85	29.95	21	CLR	NC	10.00		83	72	75	70	6	18	29.93	30.04
24	BKN	250	10.00		81	75	77	82	3	17	29.88	29.98	24	SCT	021	10.00		77	74	75	90	0	00	29.95	30.06
SUNRISE: 0525 JUL 04					SUNSET: 1926					SUNRISE: 0527 JUL 10					SUNSET: 1926										
03	SCT	250	10.00		79	76	77	90	5	18	29.87	29.97	03	FEW	024	9.00		76	74	75	94	0	00	29.95	30.06
06	BKN	250	10.00		79	76	77	90	0	00	29.89	30.00	06	SCT	250	8.00		75	74	74	96	0	00	29.98	30.09
09	BKN	250	10.00		86	76	79	72	9	21	29.92	30.03	09	SCT	025	10.00		83	74	77	74	5	16	30.02	30.13
12	BKN	250	10.00		89	75	79	63	9	19	29.91	30.01	12	BKN	250	10.00		90	72	77	56	5	18	29.98	30.10
15	BKN	120	10.00		88	74	78	63	13	18	29.87	29.98	15	BKN	250	10.00	-RA	90	73	78	58	10	11	29.96	30.06
18	BKN	220	10.00		87	77	80	72	10	18	29.85	29.96	18	SCT	250	10.00		90	73	78	58	9	17	29.93	30.03
21	SCT	250	10.00		82	74	76	77	5	19	29.88	29.98	21	FEW	250	10.00		83	73	76	72	7	17	29.96	30.07
24	BKN	250	8.00		80	77	78	90	5	18	29.92	30.03	24	FEW	020	10.00		78	74	75	87	3	18	30.00	30.11
SUNRISE: 0526 JUL 05					SUNSET: 1926					SUNRISE: 0527 JUL 11					SUNSET: 1925										
03	BKN	250	9.00		79	77	78	94	3	16	29.92	30.02	03	SCT	250	10.00		76	74	75	94	0	00	29.98	30.09
06	BKN	250	8.00		78	76	77	93	5	11	29.95	30.06	06	FEW	025	10.00		75	74	74	96	0	00	30.00	30.11
09	SCT	250	10.00		86	75	78	70	8	20	29.97	30.07	09	SCT	026	10.00		86	75	78	70	8	15	30.03	30.14
12	BKN	250	10.00		91	73	78	56	8	19	29.96	30.06	12	SCT	250	10.00		92	72	78	52	9	18	30.03	30.14
15	BKN	250	10.00		92	73	78	54	11	18	29.91	30.01	15	BKN	100	10.00		89	76	80	65	11	11	30.00	30.11
18	SCT	250	10.00		89	73	78	59	9	19	29.87	29.98	18	SCT	250	10.00		90	74	79	59	16	14	29.97	30.08
21	SCT	250	10.00		83	75	77	77	10	16	29.94	30.04	21	SCT	250	10.00		83	73	76	72	7	17	30.00	30.11
24	BKN	250	9.00		82	76	78	82	5	18	29.94	30.04	24	SCT	250	10.00		79	74	76	85	0	00	30.01	30.12
SUNRISE: 0526 JUL 06					SUNSET: 1926					SUNRISE: 0527 JUL 12					SUNSET: 1925										
03	BKN	250	8.00		80	76	77	87	7	17	29.92	30.03	03	FEW	020	10.00		78	75	76	90	3	20	29.98	30.09
06	SCT	250	6.00	BR	80	77	78	90	8	16	29.95	30.06	06	FEW	020	10.00		76	75	75	97	0	00	30.00	30.10
09	SCT	250	10.00		86	76	79	72	11	17	29.98	30.09	09	SCT	023	10.00		85	74	77	70	3	27	30.01	30.12
12	BKN	250	10.00		91	72	78	54	17	16	29.96	30.07	12	SCT	045	10.00		90	72	77	56	0	00	29.98	30.09
15	BKN	250	10.00		90	70	76	52	14	16	29.93	30.03	15	SCT	055	10.00		93	72	78	50	6	VR	29.92	30.02
18	BKN	250	10.00		88	73	77	61	13	16	29.87	29.97	18	BKN	085	10.00		88	75	79	66	10	11	29.89	30.00
21	SCT	250	10.00		83	75	77	77	10	17	29.87	29.97	21	SCT	085	10.00		85	73	77	68	8	19	29.91	30.02
24	SCT	250	8.00		81	76	77	85	5	17	29.93	30.04	24	FEW	020	10.00		81	75	77	82	5	19	29.90	30.01

OBSERVATIONS AT 3-HOURLY INTERVALS

HOUSTON, TX JULY 2015

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																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
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SUNRISE: 0529					JUL 13						SUNSET: 1925						SUNRISE: 0533					JUL 19						SUNSET: 1923																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
03	FEW	020	10.00		79	75	76	88	0	00	29.88	29.98	03	CLR	NC	10.00		79	75	76	88	3	19	29.89	30.00	06	FEW	018	10.00		76	74	75	94	0	00	29.89	30.00	09	SCT	022	10.00		85	75	78	72	8	23	29.91	30.01	12	SCT	043	10.00		91	72	78	54	5	24	29.88	29.98	15	SCT	055	10.00		94	69	77	44	7	20	29.81	29.91	18	SCT	060	10.00		93	70	77	47	6	19	29.76	29.86	21	SCT	250	10.00		85	69	74	59	9	19	29.78	29.88	24	FEW	250	10.00		79	74	76	85	6	19	29.79	29.89	03	FEW	250	10.00		77	74	75	90	5	19	29.77	29.88	06	SCT	250	10.00		77	74	75	90	0	00	29.80	29.90	09	SCT	026	10.00		85	73	77	68	10	22	29.83	29.93	12	SCT	042	10.00		92	71	77	51	6	VR	29.82	29.92	15	SCT	055	10.00		94	70	77	46	8	17	29.77	29.88	18	FEW	060	10.00		92	69	76	47	6	19	29.73	29.83	21	CLR	NC	10.00		85	71	75	63	9	18	29.78	29.89	24	CLR	NC	10.00		80	75	77	85	5	19	29.81	29.92	03	SCT	014	10.00		80	75	77	85	3	25	29.87	29.98	06	SCT	250	10.00		77	75	76	94	0	00	29.89	29.99	09	SCT	025	10.00		85	75	78	72	7	27	29.89	29.99	12	SCT	044	10.00		92	73	78	54	8	16	29.85	29.96	15	BKN	250	10.00		96	71	78	44	0	00	29.81	29.91	18	BKN	250	10.00		91	75	79	59	11	12	29.76	29.87	21	SCT	250	10.00		85	73	77	68	8	18	29.78	29.89	24	SCT	250	10.00		82	75	77	79	5	19	29.82	29.92	03	SCT	250	10.00		80	75	77	85	3	19	29.81	29.91	06	SCT	250	10.00		77	75	76	94	0	00	29.83	29.93	09	SCT	023	10.00		85	75	78	72	7	VR	29.83	29.93	12	SCT	250	10.00		92	72	78	52	6	VR	29.82	29.92	15	OVC	250	10.00		89	76	80	65	13	11	29.78	29.88	18	BKN	250	10.00		89	75	79	63	16	14	29.74	29.84	21	FEW	250	10.00		86	74	78	67	6	18	29.76	29.87	24	FEW	250	10.00		82	76	78	82	5	19	29.81	29.92	03	SCT	250	10.00		81	76	77	85	7	19	29.80	29.91	06	SCT	250	10.00		79	76	77	90	0	00	29.82	29.93	09	BKN	250	10.00		85	75	78	72	9	20	29.85	29.95	12	BKN	250	10.00		93	73	79	52	8	27	29.83	29.93	15	OVC	250	10.00		89	77	80	68	6	16	29.79	29.89	18	SCT	250	10.00		90	75	79	62	13	16	29.76	29.87	21	SCT	250	10.00		84	74	77	72	5	18	29.82	29.92	24	FEW	250	10.00		80	74	76	82	5	19	29.86	29.97	03	FEW	020	10.00		80	75	77	85	0	00	29.86	29.97	06	FEW	250	10.00		78	75	76	90	0	00	29.87	29.97	09	SCT	250	10.00		87	75	78	67	7	18	29.90	30.01	12	SCT	250	10.00		92	73	78	54	5	VR	29.89	29.99	15	BKN	250	10.00		83	78	79	85	14	11	29.85	29.96	18	SCT	250	10.00		91	72	78	54	6	19	29.80	29.90	21	FEW	250	10.00		85	73	77	68	7	17	29.84	29.94	24	SCT	250	10.00		81	76	77	85	5	19	29.87	29.97	03	FEW	250	10.00		81	77	78	88	5	18	29.87	29.97	06	SCT	250	10.00		80	77	78	90	0	00	29.88	29.99	09	SCT	025	10.00		87	77	80	72	7	22	29.93	30.04	12	SCT	040	10.00		93	74	79	54	7	VR	29.92	30.03	15	SCT	250	10.00		97	72	79	45	7	VR	29.88	29.98	18	SCT	250	10.00		90	77	81	66	14	12	29.86	29.96	21	SCT	250	10.00		86	74	78	67	9	17	29.88	29.98	24	FEW	250	10.00		81	74	76	79	6	19	29.87	29.98	03	FEW	020	10.00		79	75	76	88	3	18	29.89	30.00	06	FEW	020	10.00		75	74	74	96	0	00	29.91	30.02	09	SCT	022	10.00		86	76	79	72	5	VR	29.95	30.06	12	SCT	045	10.00		92	72	78	52	5	26	29.94	30.04	15	SCT	060	10.00		98	70	78	40	8	16	29.87	29.98	18	SCT	250	10.00		92	75	80	58	16	14	29.84	29.94	21	SCT	250	10.00		86	74	78	67	8	17	29.86	29.96	24	FEW	250	10.00		82	75	77	79	3	20	29.88	29.98

OBSERVATIONS AT 3-HOURLY INTERVALS

HOUSTON, TX
JULY 2015

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	CLR	NC	10.00		78	75	76	90	0	00	29.88	29.98
06	SCT	250	10.00		75	74	74	96	0	00	29.90	30.00					
09	FEW	025	10.00		86	75	78	70	5	24	29.90	30.01					
12	SCT	040	10.00		92	73	78	54	3	VR	29.87	29.98					
15	SCT	060	10.00		97	71	79	43	5	21	29.80	29.91					
18	SCT	250	10.00		92	77	81	62	15	15	29.77	29.88					
21	FEW	250	10.00		87	73	77	63	5	17	29.80	29.90					
24	CLR	NC	10.00		82	75	77	79	7	19	29.82	29.92					
SUNRISE: 0537 JUL 26 SUNSET: 1919					03	CLR	NC	10.00		79	76	77	90	3	20	29.78	29.89
06	BKN	250	5.00	BR	79	77	78	94	0	00	29.81	29.92					
09	SCT	250	10.00		87	75	78	67	7	20	29.84	29.95					
12	SCT	250	10.00		91	71	77	52	5	VR	29.83	29.94					
15	FEW	060	10.00		97	69	77	40	3	VR	29.78	29.88					
18	SCT	250	10.00		93	76	81	58	11	14	29.75	29.85					
21	BKN	250	10.00		88	74	78	63	7	16	29.79	29.90					
24	SCT	250	10.00		83	77	79	82	7	20	29.79	29.89					
SUNRISE: 0537 JUL 27 SUNSET: 1919					03	SCT	015	10.00		82	78	79	88	6	19	29.77	29.88
06	BKN	250	7.00		81	77	78	88	0	00	29.83	29.93					
09	BKN	250	10.00		86	75	78	70	5	22	29.87	29.98					
12	SCT	250	10.00		93	72	78	50	0	00	29.84	29.95					
15	BKN	250	10.00		97	69	77	40	7	20	29.78	29.88					
18	SCT	250	10.00		93	72	78	50	7	21	29.77	29.87					
21	SCT	250	10.00		86	73	77	65	9	17	29.82	29.92					
24	FEW	250	10.00		82	76	78	82	5	19	29.85	29.95					
SUNRISE: 0538 JUL 28 SUNSET: 1918					03	SCT	250	10.00		79	76	77	90	0	00	29.83	29.94
06	SCT	250	10.00		77	75	76	94	0	00	29.87	29.97					
09	FEW	020	10.00		88	75	79	66	5	21	29.90	30.00					
12	FEW	050	10.00		95	68	76	41	10	15	29.87	29.98					
15	SCT	250	10.00		98	69	78	39	10	12	29.83	29.93					
18	SCT	250	10.00		92	71	77	51	18	13	29.82	29.92					
21	SCT	250	10.00		86	75	78	70	6	17	29.86	29.96					
24	FEW	250	10.00		83	76	78	79	6	19	29.88	29.99					
SUNRISE: 0539 JUL 29 SUNSET: 1917					03	SCT	250	8.00		80	77	78	90	0	00	29.88	29.99
06	SCT	250	8.00		76	75	75	97	0	00	29.92	30.02					
09	SCT	250	10.00		87	76	79	70	0	00	29.95	30.06					
12	FEW	050	10.00		94	70	77	46	0	00	29.94	30.04					
15	FEW	070	10.00		100	66	76	33	5	VR	29.88	29.98					
18	SCT	250	10.00		96	66	75	37	9	11	29.86	29.96					
21	FEW	250	10.00		88	74	78	63	5	20	29.90	30.00					
24	FEW	250	10.00		85	75	78	72	5	23	29.93	30.03					
SUNRISE: 0539 JUL 30 SUNSET: 1917					03	SCT	250	9.00		81	76	77	85	3	27	29.91	30.01
06	BKN	250	7.00		80	76	77	87	6	30	29.92	30.02					
09	BKN	160	10.00		86	72	76	63	8	32	29.95	30.06					
12	SCT	250	10.00		97	71	79	43	8	33	29.94	30.05					
15	BKN	250	10.00		99	70	78	39	3	12	29.86	29.97					
18	SCT	070	10.00	TS	82	77	78	85	5	26	29.86	29.96					
21	BKN	200	10.00		80	78	79	94	0	00	29.89	29.99					
24	BKN	250	10.00		80	75	77	85	6	11	29.91	30.02					

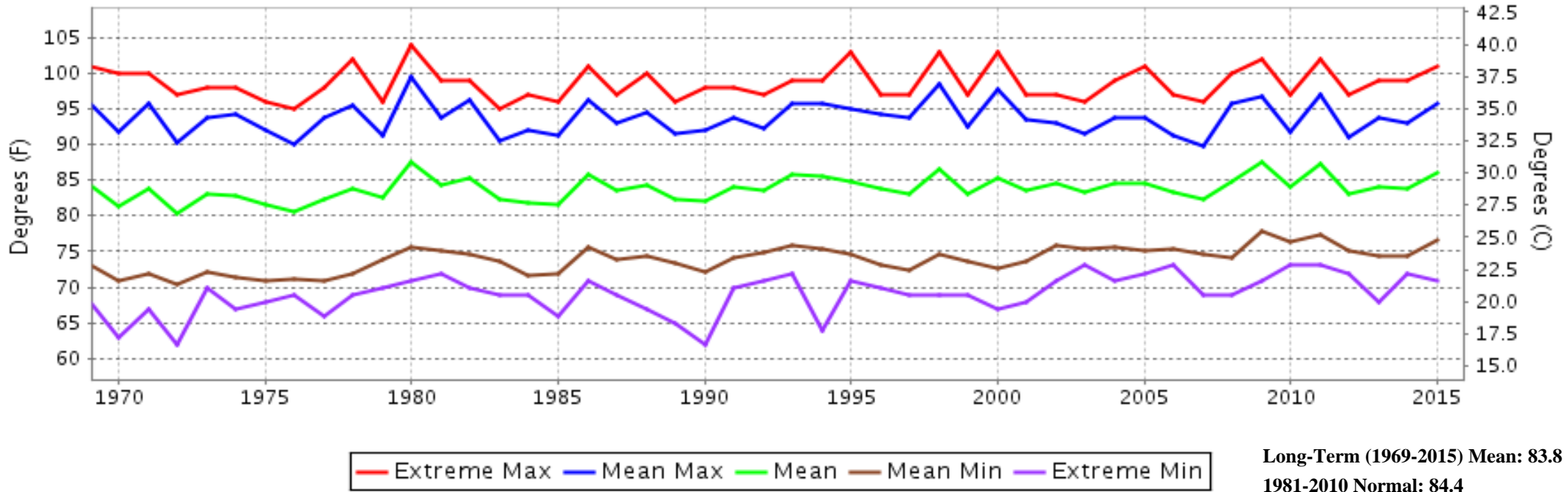
HOUR (LST)	SKY COVER	CEILING 100's of FT.	VISIBILITY (MILES)	WEATHER	TEMPERATURE °F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES, HG)						
					DRY BULB	DEW POINT	WET BULB		SPEED (MPH)	DIRECTION Tens of Deg	STATION	SEA LEVEL					
SUNRISE: 0540 JUL 31 SUNSET: 1916					03	OVC	250	9.00		81	77	78	88	0	00	29.88	29.99
06	BKN	250	7.00		79	76	77	90	3	02	29.89	30.00					
09	SCT	250	10.00		87	78	80	75	8	02	29.91	30.01					
12	SCT	250	10.00		95	74	80	51	9	03	29.89	29.99					
15	SCT	250	10.00		99	71	79	41	11	05	29.83	29.94					
18	SCT	250	10.00		95	61	73	32	14	04	29.80	29.90					
21	FEW	250	10.00		81	66	71	61	5	04	29.87	29.98					
24	FEW	250	10.00		79	66	71	65	3	36	29.87	29.98					

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.

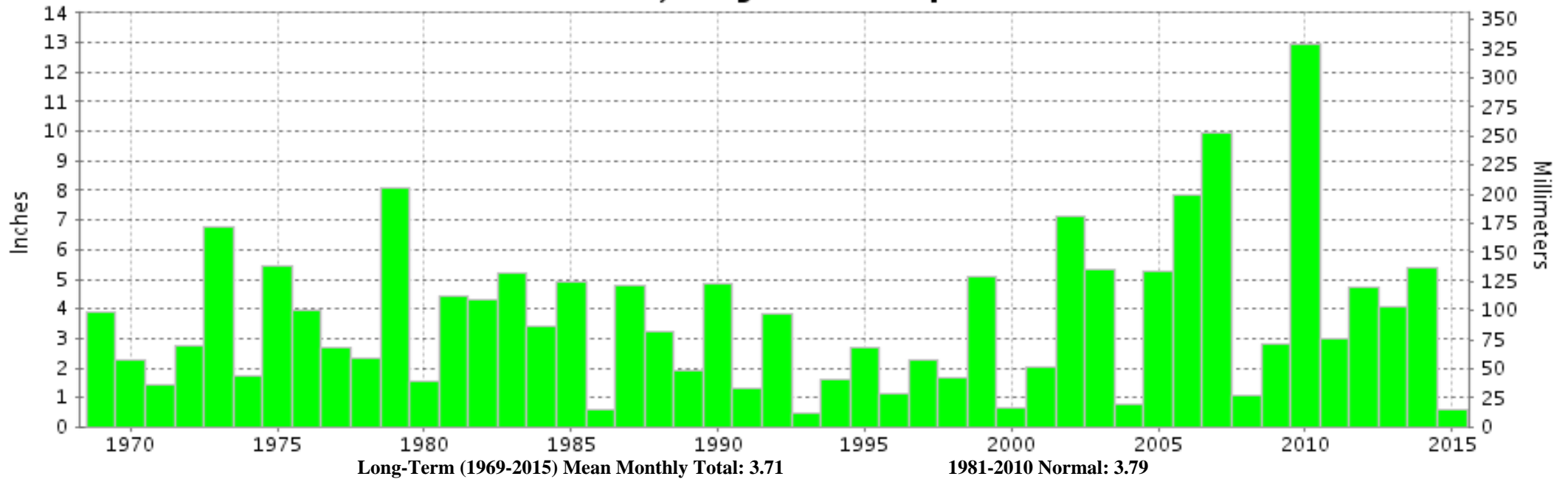
SUMMARY BY HOUR

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	75	76	86	29.88	29.99	9.57	4	6	19
02	79	75	76	88	29.88	29.98	9.68	4	5	19
03	79	75	76	89	29.88	29.98	9.45	3	6	18
04	78	75	76	91	29.88	29.98	9.35	2	8	19
05	78	75	76	92	29.89	29.99	9.26	2	12	18
06	77	75	76	93	29.90	30.00	8.68	1	15	18
07	80	76	77	87	29.91	30.01	8.77	3	9	17
08	84	76	78	79	29.92	30.03	9.19	7	5	20
09	86	75	78	71	29.92	30.03	9.71	7	5	20
10	88	74	78	62	29.92	30.03	9.90	7	6	19
11	90	73	78	58	29.92	30.02	9.81	8	5	19
12	91	72	78	54	29.91	30.01	9.90	7	6	18
13	93	72	78	51	29.89	30.00	9.90	8	6	16
14	93	71	78	50	29.87	29.98	9.81	8	5	17
15	93	72	78	51	29.86	29.96	9.90	8	7	14
16	93	72	78	53	29.85	29.95	9.87	10	7	14
17	92	73	78	55	29.84	29.94	10.00	11	6	13
18	90	73	78	59	29.83	29.94	10.00	11	6	13
19	88	73	77	62	29.84	29.94	9.97	10	5	15
20	86	73	77	66	29.85	29.95	9.97	8	5	17
21	84	73	77	71	29.86	29.97	9.97	7	4	17
22	83	74	77	75	29.88	29.99	9.94	6	4	17
23	82	75	77	80	29.89	29.99	9.84	6	4	18
24	81	75	77	83	29.89	29.99	9.65	5	5	18

HOUSTON, TX JULY Temperatures



HOUSTON, TX JULY Precipitation





**JULY 2015
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, appearing to read "Thomas R. Karl".

DIRECTOR

NCEI now offers free online access to the **Edited Local Climatological Data Publication**. Go to : www.ncdc.noaa.gov/IPS/lcd/lcd.html

We welcome your questions or comments, please contact us at:
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