



AUGUST 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



AUGUST 2016
HOUSTON, TX

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	98	74	86	2	73	77	0	21		0		0.0	0.00	29.92	30.03	5.2	17	5.8	23	13	18	14	01	
02	99	77	88	4	74	78	0	23		0		0.0	0.00	29.91	30.03	4.3	16	4.6	22	13	18	15	02	
03	98	76	87	3	74	78	0	22		0		0.0	0.00	29.87	29.99	2.7	16	4.5	18	15	16	15	03	
04	99	76	88	4	74	78	0	23		0		0.0	0.00	29.83	29.94	3.5	15	4.6	21	15	16	15	04	
05	97	77	87	3	74	78	0	22		0		0.0	0.00	29.83	29.94	3.5	18	4.1	16	19	13	14	05	
06	98	77	88	4	73	77	0	23		0		0.0	0.00	29.83	29.95	4.9	20	5.8	20	15	17	15	06	
07	100	78	89	5	73	78	0	24		0		0.0	0.00	29.80	29.91	3.5	22	5.3	19	17	15	17	07	
08	100	77	89	5	73	78	0	24		0		0.0	0.00	29.77	29.89	3.8	17	5.1	21	15	18	15	08	
09	101	77	89	5	74	79	0	24		0		0.0	0.00	29.80	29.90	4.6	16	6.3	22	12	18	14	09	
10	100	79	90	6	75	79	0	25		0		0.0	0.00	29.85	29.95	4.0	19	5.8	21	15	17	15	10	
11	101*	82	92*	8	76	80	0	27		0		0.0	0.00	29.81	29.92	5.7	22	8.4	21	13	17	15	11	
12	99	82	91	7	75	79	0	26		0		0.0	0.00	29.71	29.83	7.8	21	8.6	22	17	16	21	12	
13	97	76	87	3	75	78	0	22	TS TSRA RA FG BR	0		0.0	0.83	29.70	29.81	4.4	24	6.9	36	35	26	35	13	
14	89	72*	81	-3	73	75	0	16	TS TSRA RA BR	0		0.0	1.66	29.80	29.90	1.0	21	4.4	24	22	15	21	14	
15	86	75	81	-3	75	76	0	16	TS TSRA RA BR	0		0.0	1.43	29.86	29.97	4.6	05	6.4	20	07	16	06	15	
16	82	74	78	-5	74	75	0	13	TS TSRA RA FG+ FG BR	0		0.0	2.05	29.93	30.03	4.2	10	5.8	28	13	22	13	16	
17	83	73	78*	-5	74	75	0	13	TS TSRA RA FG BR	0		0.0	1.73	29.96	30.07	4.1	14	6.4	32	18	21	20	17	
18	88	74	81	-2	75	76	0	16	TS TSRA RA BR	0		0.0	0.19	29.91	30.03	2.3	07	4.1	27	14	23	14	18	
19	92	75	84	1	75	77	0	19	TS TSRA RA BR SQ	0		0.0	0.39	29.82	29.95	4.2	18	5.2	41*	18	28	21	19	
20	91	75	83	0	75	77	0	18	TS RA	0		0.0	0.53	29.78	29.89	3.4	16	5.6	18	13	14	14	20	
21	87	76	82	-1	75	76	0	17	RA	0		0.0	T	29.87	29.97	2.9	11	5.5	21	28	15	28	21	
22	89	73	81	-2	75	76	0	16	TS TSRA RA FG+ BR	0		0.0	0.33	29.97	30.07	3.5	09	5.4	31	23	22	23	22	
23	95	75	85	2	76	78	0	20	TS RA MIFG BR	0		0.0	T	30.01	30.12	6.0	16	6.9	28	14	24	14	23	
24	94	76	85	2	75	78	0	20	TS RA MIFG	0		0.0	T	29.97	30.09	5.0	15	5.7	25	13	21	15	24	
25	91	75	83	1	75	76	0	18	TS TSRA RA BR	0		0.0	0.42	29.92	30.04	2.0	09	4.8	22	33	20	35	25	
26	89	73	81	-1	73	75	0	16	TS TSRA RA BR	0		0.0	0.74	29.88	30.00	4.2	07	5.5	26	36	23	36	26	
27	91	74	83	1	73	75	0	18	TS RA BR	0		0.0	T	29.85	29.96	5.2	04	6.3	37	04	30*	05	27	
28	88	75	82	0	73	75	0	17	RA	0		0.0	T	29.85	29.96	8.4	04	8.9	34	08	26	06	28	
29	84	75	80	-2	73	75	0	15	RA	0		0.0	0.10	29.84	29.96	6.8	05	7.9	20	15	17	15	29	
30	93	74	84	2	73	76	0	19		0		0.0	0.00	29.82	29.94	4.5	05	6.8	21	09	16	14	30	
31	95	77	86	4	74	77	0	21	TS RA	0		0.0	0.01	29.78	29.90	3.9	02	5.0	30	07	26	06	31	
93.4		75.8	84.6	☼	74.2	76.9	0.0	19.8	< MONTHLY AVERAGES TOTALS >		0.0	10.41	29.85	29.96	2.0	14	5.9	< MONTHLY AVERAGES						
-1.1		1.0	0.0		<----- DEPARTURE FROM NORMAL ----->						6.65	SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3												
DEGREE DAYS									GREATEST 24-HR PRECIPITATION : 3.34 DATE : 15-16				SEA LEVEL PRESSURE				DATE		TIME					
MONTHLY				SEASON TO DATE					GREATEST 24-HR SNOWFALL : 0.0 DATE :				MAXIMUM :				30.16		23 1053					
TOTAL DEPARTURE				TOTAL DEPARTURE					GREATEST SNOW DEPTH : 0 DATE :				MINIMUM :				29.70		13 1553					
HEATING :		0 0		0 0		0 0		NUMBER OF -> DAYS WITH				MAXIMUM TEMP >= 90 : 21		MINIMUM TEMP <= 32 : 0		PRECIPITATION >= 0.01 INCH: 13								
COOLING :		614		5		2408		26		MAXIMUM TEMP <= 32 : 0		MINIMUM TEMP <= 0 : 0		PRECIPITATION >= 0.10 INCH: 12										
										THUNDERSTORMS : 15		HEAVY FOG : 2		SNOWFALL >= 1.0 INCH : 0										

HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

HOUSTON, TX (KIAH)
AUGUST 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													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	0.00	0.00	
09													09												09	0.00	0.00	
10													10												10	0.00	0.00	
11													11												11	0.00	0.00	
12													12												12	0.00	0.00	
13													13			0.04			0.03	0.26	0.17	0.09	0.11	0.09	0.02	13	0.83	0.83
14	0.01	T	0.05	0.20	0.10	T	T	0.02	0.01				14					0.56	0.09	0.61	0.02	0.01			14	1.66	1.66	
15				T		T					T	0.73	0.01	15	0.06	T				0.24	0.34	0.04	0.01		15	1.43	1.43	
16			0.35	0.11	0.02				0.29	1.14	0.05	0.07	16	0.02		T	T								16	2.05	2.05	
17								0.05	0.02	T	T		17			T	T	1.25	0.31	0.10	T				17	1.73	1.73	
18												0.13	18	0.01	0.03	0.02	T								18	0.19	0.19	
19													19	0.39	T										19	0.39	0.39	
20													20	0.30	0.23										20	0.53	0.53	
21		T	T							T	T		21	T	T										21	T	T	
22											0.13	0.14	22	0.04	0.02	T									22	0.33	0.33	
23													23			T									23	T	T	
24													24			T									24	T	T	
25													25	0.08	0.33	0.01									25	0.42	0.42	
26						T	T						26					0.66	0.04	0.01	0.01	0.02	T		26	0.74	0.74	
27													27				T	T							27	T	T	
28		T	T	T				T	T				28			T				T					28	T	T	
29											0.10		29	T											29	0.10	0.10	
30													30												30	0.00	0.00	
31													31	0.01		T									31	0.01	0.01	

* 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)	0.48	0.75	0.90	1.12	1.37	1.44	1.46	1.55	1.61	1.64	1.66	1.66
Ending Date	17	17	17	17	17	17	17	17	17	17	17	17
Ending Time (Hr/Min)	1644	1647	1650	1658	1705	1718	1734	1755	1813	1831	1851	1851

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 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	7.00	10.00
02	10.00	15.00
03	10.00	10.00
04	10.00	10.00
05	10.00	10.00
06	10.00	10.00
07	7.00	10.00
08	10.00	10.00
09	10.00	10.00
10	10.00	10.00
11	10.00	10.00
12	10.00	10.00
13	4.00	10.00
14	0.50	10.00
15	3.00	10.00
16	1.00	10.00
17	0.50	10.00
18	1.50	10.00
19	5.00	10.00
20	8.00	10.00
21	9.00	10.00
22	0.00	10.00
23	6.00	10.00
24	7.00	10.00
25	4.00	10.00
26	2.00	10.00
27	2.50	10.00
28	9.00	10.00
29	10.00	10.00
30	10.00	10.00
31	10.00	10.00
AVGS	6.68	10.16
MINIMUM VISIBILITY (MILES)		
<= .25	<= 3.0	>= 7.0
1	8	19

OBSERVATIONS AT 3-HOURLY INTERVALS

HOUSTON, TX
AUGUST 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)		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	CLR	NC	10.00		78	75	76	90	5	19	29.92	30.02	03	CLR	NC	10.00		81	76	77	85	0	00	29.83	29.93				
06	SCT	250	7.00		75	74	74	96	0	00	29.93	30.03	06	CLR	NC	10.00		80	76	77	87	0	00	29.85	29.95				
09	SCT	250	10.00		86	74	78	67	8	25	29.97	30.08	09	FEW	025	10.00		88	74	78	63	9	26	29.86	29.96				
12	SCT	250	10.00		92	70	77	49	5	14	29.96	30.06	12	FEW	045	10.00		94	70	77	46	0	00	29.84	29.95				
15	FEW	060	10.00		96	67	76	39	0	00	29.89	30.00	15	SCT	250	10.00		100	67	77	34	6	11	29.78	29.88				
18	SCT	250	10.00		92	75	80	58	16	15	29.87	29.98	18	SCT	250	10.00		94	73	79	51	9	17	29.73	29.84				
21	SCT	250	10.00		86	75	78	70	7	17	29.93	30.03	21	FEW	250	10.00		87	74	78	65	7	19	29.77	29.87				
24	FEW	250	10.00		82	75	77	79	0	00	29.96	30.06	24	CLR	NC	10.00		84	75	78	74	0	00	29.82	29.92				
SUNRISE: 0541					AUG 02					SUNSET: 1915					SUNRISE: 0545					AUG 08					SUNSET: 1910				
03	FEW	250	10.00		80	75	77	85	3	18	29.95	30.06	03	FEW	250	10.00		81	75	77	82	5	20	29.78	29.89				
06	FEW	020	10.00		77	75	76	94	0	00	29.96	30.06	06	SCT	250	10.00		77	75	76	94	0	00	29.80	29.91				
09	FEW	020	15.00		88	75	79	66	0	00	29.98		09	SCT	022	10.00		87	75	78	67	7	VR	29.83	29.93				
12	SCT	045	10.00		94	72	78	49	7	14	29.97		12	SCT	050	10.00		94	69	77	44	5	09	29.81	29.92				
15	SCT	250	10.00		95	71	78	46	7	13	29.91		15	FEW	065	10.00		98	66	76	35	0	00	29.74	29.85				
18	FEW	250	10.00		93	73	79	52	15	14	29.87		18	FEW	250	10.00		94	72	78	49	14	15	29.71	29.81				
21	FEW	250	10.00		87	75	78	67	7	18	29.90		21	FEW	250	10.00		88	73	77	61	8	17	29.78	29.88				
24	FEW	250	10.00		83	75	77	77	5	19	29.91	30.02	24	CLR	NC	10.00		84	76	78	77	5	19	29.80	29.91				
SUNRISE: 0542					AUG 03					SUNSET: 1914					SUNRISE: 0545					AUG 09					SUNSET: 1909				
03	FEW	250	10.00		79	76	77	90	0	00	29.91	30.01	03	CLR	NC	10.00		80	75	77	85	3	15	29.78	29.88				
06	SCT	250	10.00		78	76	77	93	0	00	29.93	30.03	06	FEW	015	10.00		77	75	76	94	0	00	29.80	29.91				
09	SCT	022	10.00		87	75	78	67	7	29	29.95	30.06	09	SCT	024	10.00		88	76	79	68	8	25	29.84	29.95				
12	FEW	045	10.00		95	71	78	46	0	00	29.91	30.02	12	SCT	250	10.00		97	72	79	45	8	13	29.83	29.93				
15	SCT	250	10.00		97	71	79	43	0	00	29.85	29.96	15	SCT	250	10.00		99	70	78	39	6	16	29.76	29.86				
18	SCT	250	10.00		95	71	78	46	11	15	29.81	29.91	18	SCT	250	10.00		95	74	80	51	14	12	29.74	29.84				
21	SCT	250	10.00		87	73	77	63	9	17	29.83	29.93	21	FEW	250	10.00		88	76	79	68	8	18	29.81	29.91				
24	FEW	250	10.00		83	75	77	77	5	20	29.86	29.97	24	FEW	250	10.00		85	76	79	75	3	19	29.85	29.96				
SUNRISE: 0542					AUG 04					SUNSET: 1913					SUNRISE: 0546					AUG 10					SUNSET: 1908				
03	FEW	250	10.00		80	75	77	85	0	00	29.84	29.94	03	FEW	250	10.00		82	75	77	79	5	20	29.84	29.95				
06	SCT	250	10.00		77	75	76	94	3	33	29.86	29.97	06	FEW	250	10.00		82	77	78	85	0	00	29.85	29.96				
09	FEW	250	10.00		88	75	79	66	5	VR	29.88	29.98	09	SCT	250	10.00		90	77	81	66	6	VR	29.90	30.01				
12	SCT	250	10.00		94	72	78	49	0	00	29.86	29.96	12	BKN	250	10.00		95	71	78	46	5	25	29.90	30.00				
15	SCT	055	10.00		97	71	79	43	11	13	29.81	29.91	15	BKN	250	10.00		98	69	78	39	5	16	29.82	29.92				
18	SCT	250	10.00		93	74	79	54	10	15	29.78	29.88	18	BKN	250	10.00		94	77	82	58	15	15	29.79	29.90				
21	FEW	250	10.00		87	75	78	67	7	17	29.81	29.91	21	BKN	250	10.00		88	77	80	70	7	18	29.86	29.96				
24	SCT	250	10.00		83	75	77	77	5	20	29.83	29.93	24	BKN	250	10.00		85	78	80	80	7	18	29.86	29.97				
SUNRISE: 0543					AUG 05					SUNSET: 1912					SUNRISE: 0546					AUG 11					SUNSET: 1907				
03	FEW	250	10.00		79	75	76	88	3	20	29.83	29.93	03	BKN	250	10.00		83	78	79	85	7	20	29.84	29.94				
06	FEW	250	10.00		78	75	76	90	0	00	29.87	29.97	06	SCT	250	10.00		82	77	78	85	3	26	29.87	29.97				
09	SCT	250	10.00		89	75	79	63	5	VR	29.87	29.98	09	BKN	250	10.00		88	76	79	68	8	25	29.90	30.00				
12	BKN	250	10.00		92	73	78	54	6	17	29.85	29.96	12	BKN	250	10.00		97	73	80	46	11	24	29.85	29.96				
15	SCT	250	10.00		96	72	79	46	7	15	29.81	29.91	15	BKN	250	10.00		100	71	79	39	8	28	29.78	29.89				
18	SCT	250	10.00		90	74	79	59	6	19	29.79	29.90	18	BKN	250	10.00		93	76	81	58	15	14	29.76	29.86				
21	FEW	250	10.00		87	74	78	65	7	17	29.83	29.94	21	BKN	250	10.00		88	77	80	70	13	18	29.78	29.88				
24	CLR	NC	10.00		83	75	77	77	7	21	29.84	29.95	24	BKN	250	10.00		85	77	79	77	8	22	29.78	29.88				
SUNRISE: 0543					AUG 06					SUNSET: 1912					SUNRISE: 0547					AUG 12					SUNSET: 1906				
03	CLR	NC	10.00		79	75	76	88	0	00	29.86	29.96	03	BKN	250	10.00		83	77	79	82	5	22	29.76	29.86				
06	FEW	250	10.00		78	75	76	90	0	00	29.87	29.98	06	SCT	250	10.00		82	77	78	85	5	21	29.77	29.87				
09	FEW	024	10.00		88	75	79	66	10	24	29.89	29.99	09	BKN	220	10.00		86	77	80	75	8	24	29.79	29.90				
12	SCT	250	10.00		92	71	77	51	8	22	29.87	29.98	12	BKN	230	10.00		94	73	79	51	9	19	29.76	29.87				
15	SCT	250	10.00		96	65	75	36	9	19	29.81	29.91	15	BKN	250	10.00		98	69	78	39	11	18	29.67	29.77				
18	SCT	250	10.00		96	66	75	37	6	19	29.78	29.88	18	BKN	250	10.00		94	73	79	51	10	19	29.63	29.74				
21	FEW	250	10.00		88	74	78	63	7	18	29.82	29.93	21	BKN	250	10.00		86	75	78	70	9	19	29.70	29.80				
24	CLR	NC	10.00		84	76	78	77	7	21	29.84	29.94	24	SCT	250	10.00		84	75	78	74	6	21	29.70	29.81				

OBSERVATIONS AT 3-HOURLY INTERVALS

HOUSTON, TX
AUGUST 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)		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		83	76	78	79	7	24	29.70	29.80	03	OVC	250	10.00		BR	76	75	75	97	5	11	29.87	29.98			
06	BKN	250	9.00		82	76	78	82	10	29	29.73	29.83	06	SCT	200	5.00			75	74	74	96	0	00	29.87	29.98			
09	BKN	050	6.00		82	78	79	88	6	VR	29.75	29.85	09	SCT	250	10.00			85	77	79	77	7	17	29.88	29.98			
12	BKN	100	10.00		91	76	80	61	7	22	29.71	29.81	12	BKN	250	10.00			92	73	78	54	7	26	29.84	29.95			
15	SCT	110	9.00		88	77	80	70	6	19	29.63	29.74	15	BKN	160	10.00			87	75	78	67	5	18	29.81	29.91			
18	BKN	050	7.00		84	73	76	70	23	35	29.68	29.78	18	SCT	180	10.00			85	75	78	72	6	19	29.79	29.90			
21	BKN	120	7.00		77	75	76	94	5	17	29.73	29.84	21	BKN	250	10.00			82	76	78	82	6	17	29.81	29.91			
24	BKN	100	7.00		76	75	75	97	7	18	29.74	29.85	24	BKN	250	10.00			80	75	77	85	5	17	29.80	29.91			
SUNRISE: 0548					AUG 14					SUNSET: 1905					SUNRISE: 0552					AUG 20					SUNSET: 1859				
03	OVC	040	3.00	RA BR	77	75	76	94	0	00	29.74	29.84	03	BKN	250	8.00			78	74	75	87	5	19	29.79	29.89			
06	OVC	080	8.00		76	74	75	94	3	23	29.76	29.87	06	SCT	250	9.00			75	74	74	96	0	00	29.80	29.91			
09	BKN	080	10.00		78	75	76	90	5	21	29.81	29.92	09	BKN	250	10.00			85	75	78	72	7	20	29.80	29.91			
12	BKN	100	10.00		84	74	77	72	0	00	29.81	29.92	12	BKN	080	10.00			90	74	79	59	8	25	29.80	29.91			
15	SCT	032	10.00		88	74	78	63	6	10	29.77	29.87	15	BKN	100	10.00			86	75	78	70	8	09	29.75	29.85			
18	OVC	120	5.00	RA BR	75	72	73	90	13	23	29.82	29.93	18	BKN	250	10.00			86	77	80	75	10	11	29.72	29.82			
21	OVC	140	10.00		73	71	72	94	0	00	29.85	29.96	21	BKN	250	10.00			81	76	77	85	5	18	29.78	29.89			
24	BKN	080	10.00		76	73	74	91	3	35	29.86	29.97	24	OVC	250	10.00			81	76	77	85	6	17	29.79	29.90			
SUNRISE: 0549					AUG 15					SUNSET: 1904					SUNRISE: 0552					AUG 21					SUNSET: 1858				
03	OVC	250	10.00		76	74	75	94	5	03	29.83	29.93	03	BKN	250	9.00			79	77	78	94	3	18	29.79	29.90			
06	SCT	037	10.00		77	75	76	94	9	11	29.84	29.95	06	BKN	250	10.00			79	77	78	94	0	00	29.82	29.93			
09	BKN	250	10.00		84	77	79	80	5	VR	29.87	29.98	09	BKN	035	10.00			79	72	74	79	5	31	29.88	29.99			
12	OVC	100	6.00	-RA BR	77	75	76	94	0	00	29.91	30.01	12	SCT	050	10.00			84	73	76	70	8	01	29.90	30.01			
15	BKN	190	10.00		83	75	77	77	8	04	29.84	29.95	15	SCT	050	10.00			86	76	79	72	6	VR	29.87	29.97			
18	SCT	200	10.00		85	75	78	72	9	04	29.84	29.94	18	BKN	150	10.00			81	74	76	79	8	11	29.87	29.98			
21	BKN	090	6.00		78	76	77	93	7	07	29.90	30.00	21	BKN	250	10.00			78	74	75	87	6	13	29.90	30.01			
24	BKN	170	10.00		77	75	76	94	5	03	29.89	30.00	24	SCT	250	10.00			77	75	76	94	6	11	29.92	30.02			
SUNRISE: 0549					AUG 16					SUNSET: 1903					SUNRISE: 0553					AUG 22					SUNSET: 1856				
03	OVC	055	8.00	TS	77	76	76	96	5	15	29.89	30.00	03	SCT	250	9.00			76	74	75	94	5	04	29.90	30.01			
06	BKN	220	10.00		75	73	74	94	0	00	29.89	30.00	06	OVC	002	0.00	FG		76	75	75	97	6	02	29.94	30.05			
09	OVC	040	1.00	+RA BR	77	74	75	90	7	23	29.94	30.04	09	SCT	250	10.00			86	78	80	77	5	VR	29.98	30.09			
12	OVC	150	7.00	-RA	76	74	75	94	0	00	29.95	30.06	12	SCT	030	10.00			75	72	73	90	0	00	30.02	30.13			
15	OVC	040	10.00	-RA	79	75	76	88	0	00	29.92	30.03	15	BKN	180	10.00			78	75	76	90	10	12	29.98	30.09			
18	BKN	110	10.00		79	74	76	85	10	06	29.92	30.03	18	BKN	180	10.00			81	76	77	85	8	11	29.95	30.06			
21	OVC	210	10.00		76	74	75	94	10	08	29.96	30.07	21	BKN	250	10.00			77	75	76	94	6	13	30.01	30.11			
24	OVC	012	10.00		77	74	75	90	9	11	29.97	30.07	24	SCT	250	10.00			77	75	76	94	3	13	30.01	30.11			
SUNRISE: 0550					AUG 17					SUNSET: 1902					SUNRISE: 0553					AUG 23					SUNSET: 1855				
03	SCT	040	10.00		76	75	75	97	6	09	29.95	30.06	03	SCT	250	7.00			77	76	76	96	5	12	30.00	30.10			
06	BKN	090	10.00		76	74	75	94	5	14	29.95	30.06	06	BKN	250	8.00		MIFG	75	74	74	96	0	00	30.02	30.13			
09	SCT	075	10.00		78	75	76	90	6	11	29.98	30.09	09	SCT	019	10.00			85	77	79	77	7	17	30.06	30.16			
12	BKN	100	10.00		81	76	77	85	14	13	29.98	30.10	12	SCT	038	10.00			92	73	79	54	8	20	30.03	30.14			
15	BKN	160	10.00		81	73	75	77	3	20	29.95	30.06	15	BKN	250	10.00			85	76	79	75	20	13	29.98	30.10			
18	BKN	100	3.00	-RA BR	74	72	73	94	5	25	29.97	30.07	18	SCT	090	10.00			86	77	80	75	11	14	29.98	30.08			
21	SCT	120	10.00		74	73	73	97	3	06	29.97	30.08	21	SCT	250	10.00			82	76	78	82	6	17	30.01	30.11			
24	BKN	130	10.00		74	73	73	97	0	00	29.97	30.08	24	SCT	250	10.00			80	77	78	90	5	18	30.03	30.13			
SUNRISE: 0550					AUG 18					SUNSET: 1901					SUNRISE: 0554					AUG 24					SUNSET: 1854				
03	OVC	170	9.00		76	74	75	94	3	13	29.93	30.04	03	FEW	250	8.00		MIFG	77	76	76	96	0	00	30.01	30.11			
06	OVC	120	4.00	BR	77	76	76	96	5	05	29.94	30.05	06	FEW	250	7.00			76	75	75	97	0	00	29.98	30.10			
09	BKN	250	7.00		82	78	79	88	3	VR	29.96	30.07	09	SCT	025	10.00			84	76	78	77	6	VR	30.02	30.13			
12	SCT	075	7.00		77	74	75	90	8	24	29.95	30.06	12	SCT	250	10.00			91	74	79	57	8	16	30.01	30.11			
15	OVC	140	10.00	-RA	77	74	75	90	8	04	29.91	30.02	15	BKN	250	10.00			86	74	78	67	5	19	29.96	30.06			
18	BKN	200	10.00		79	74	76	85	5	VR	29.88	29.99	18	BKN	250	10.00			86	74	78	67	15	13	29.94	30.04			
21	BKN	250	10.00		77	75	76	94	3	04	29.90	30.01	21	SCT	250	10.00			81	76	77	85	5	17	29.96	30.07			
24	BKN	250	10.00		76	75	75	97	3	04	29.91	30.01	24	FEW	250	10.00			79	75	76	88	0	00	29.96	30.07			

OBSERVATIONS AT 3-HOURLY INTERVALS

HOUSTON, TX
AUGUST 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: 0554 AUG 25 SUNSET: 1853												
03	SCT	120	10.00		77	75	76	94	0	00	29.95	30.05
06	SCT	120	10.00		75	74	74	96	0	00	29.95	30.06
09	BKN	250	10.00		86	77	80	75	5	14	29.97	30.08
12	BKN	250	7.00	TS	90	74	79	59	3	VR	29.95	30.05
15	BKN	160	10.00		79	74	76	85	3	20	29.89	29.99
18	SCT	200	10.00		82	77	78	85	7	13	29.88	29.98
21	BKN	250	10.00		78	73	75	85	8	08	29.91	30.01
24	OVC	250	10.00		76	73	74	91	6	01	29.94	30.04
SUNRISE: 0555 AUG 26 SUNSET: 1852												
03	OVC	250	10.00		75	73	74	94	5	04	29.91	30.02
06	OVC	250	10.00	-RA	75	74	74	96	5	11	29.92	30.02
09	BKN	250	10.00		78	74	75	87	5	11	29.93	30.04
12	BKN	100	10.00		85	72	76	65	8	08	29.92	30.02
15	SCT	100	10.00		88	75	79	66	6	10	29.85	29.95
18	BKN	130	10.00	-RA	78	73	75	85	10	04	29.87	29.98
21	BKN	100	10.00		76	73	74	91	5	35	29.89	30.00
24	BKN	250	9.00		76	73	74	91	5	02	29.87	29.97
SUNRISE: 0555 AUG 27 SUNSET: 1851												
03	OVC	250	8.00		76	73	74	91	3	01	29.85	29.96
06	OVC	120	9.00		75	73	74	94	3	02	29.86	29.97
09	BKN	160	10.00		78	74	75	87	6	VR	29.91	30.01
12	BKN	150	10.00		86	74	78	67	6	05	29.87	29.97
15	BKN	170	10.00		89	73	78	59	9	08	29.80	29.91
18	SCT	130	10.00		76	72	73	88	9	05	29.82	29.92
21	SCT	160	10.00		75	72	73	90	7	05	29.87	29.98
24	OVC	250	10.00		76	73	74	91	7	05	29.86	29.97
SUNRISE: 0556 AUG 28 SUNSET: 1850												
03	OVC	020	10.00	-RA	75	73	74	94	9	04	29.85	29.95
06	BKN	250	10.00		75	72	73	90	3	03	29.86	29.97
09	BKN	110	10.00		79	73	75	82	10	03	29.89	29.99
12	BKN	150	10.00		87	75	78	67	9	06	29.87	29.98
15	BKN	120	10.00		86	75	78	70	14	06	29.81	29.92
18	SCT	090	10.00		78	74	75	87	5	VR	29.82	29.93
21	BKN	250	10.00		77	75	76	94	6	03	29.85	29.95
24	BKN	130	10.00		76	73	74	91	8	03	29.85	29.96
SUNRISE: 0557 AUG 29 SUNSET: 1849												
03	BKN	080	10.00		76	72	73	88	7	03	29.82	29.93
06	BKN	200	10.00		75	72	73	90	9	05	29.84	29.95
09	BKN	120	10.00		79	73	75	82	10	07	29.87	29.98
12	BKN	060	10.00		81	76	77	85	8	08	29.88	29.98
15	BKN	130	10.00		78	73	75	85	3	11	29.83	29.93
18	SCT	110	10.00		81	75	77	82	7	03	29.82	29.93
21	SCT	210	10.00		77	72	74	85	8	06	29.86	29.97
24	BKN	250	10.00		75	72	73	90	7	05	29.86	29.97
SUNRISE: 0557 AUG 30 SUNSET: 1848												
03	BKN	250	10.00		75	72	73	90	6	01	29.84	29.95
06	BKN	250	10.00		75	71	72	88	7	01	29.85	29.96
09	BKN	250	10.00		81	71	74	72	11	05	29.87	29.98
12	BKN	250	10.00		91	73	78	56	13	07	29.86	29.96
15	BKN	250	10.00		93	72	78	50	7	VR	29.79	29.89
18	BKN	250	10.00		88	74	78	63	8	11	29.77	29.88
21	SCT	210	10.00		79	74	76	85	0	00	29.82	29.93
24	BKN	250	10.00		80	74	76	82	3	28	29.83	29.93

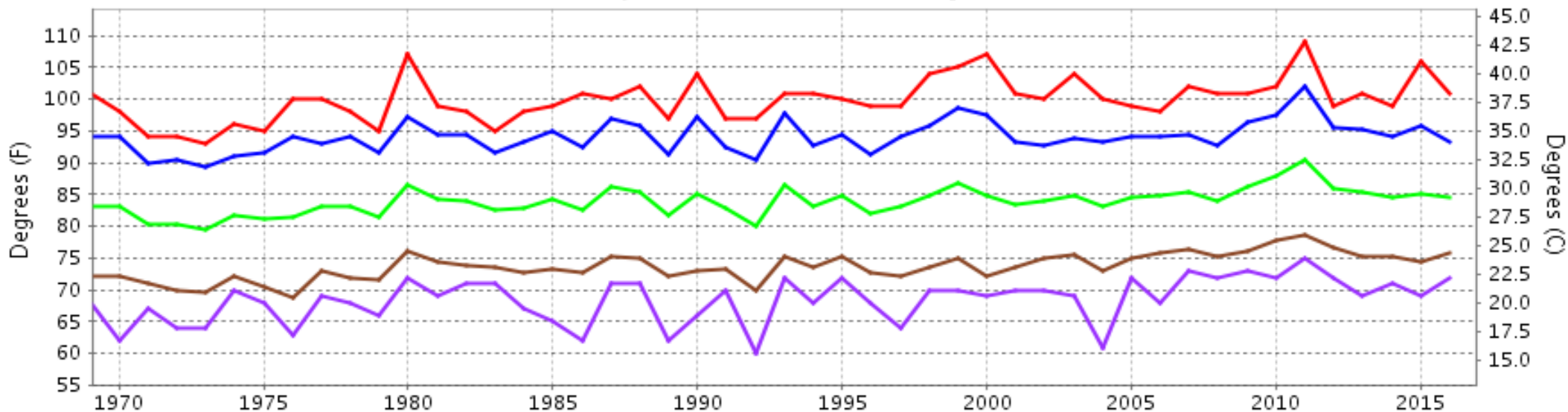
HOUR (LST)	SKY COVER	CEILING 100's of FT.	VISIBILITY (MILES)	WEATHER	TEMPERATURE °F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES, HG)	
					DRY BULB	DEW POINT	WET BULB		SPEED (MPH)	DIRECTION Tens of Deg	STATION	SEA LEVEL
SUNRISE: 0558 AUG 31 SUNSET: 1846												
03	BKN	190	10.00		79	74	76	85	6	36	29.81	29.92
06	SCT	250	10.00		78	73	75	85	6	35	29.81	29.92
09	FEW	200	10.00		86	76	79	72	5	02	29.82	29.93
12	BKN	037	10.00		93	74	79	54	8	03	29.82	29.92
15	BKN	250	10.00	-RA	88	71	76	57	8	02	29.76	29.86
18	BKN	250	10.00		87	71	76	59	6	02	29.73	29.84
21	FEW	250	10.00		80	75	77	85	3	33	29.80	29.90
24	FEW	250	10.00		79	75	76	88	0	00	29.81	29.91

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	75	76	87	29.87	29.98	9.83	4	2	17
02	79	75	76	88	29.86	29.97	9.65	4	2	17
03	78	75	76	90	29.86	29.96	9.32	4	2	15
04	78	75	76	92	29.86	29.96	9.26	3	2	16
05	77	75	76	92	29.86	29.96	8.85	3	2	15
06	77	75	75	92	29.87	29.98	8.90	3	3	16
07	79	75	77	89	29.88	29.99	9.26	4	2	17
08	82	76	78	82	29.89	30.00	9.34	6	2	18
09	84	75	78	76	29.90	30.00	9.65	7	3	21
10	86	74	78	69	29.90	30.01	9.90	6	2	21
11	87	74	78	65	29.90	30.01	9.30	7	2	19
12	89	73	78	62	29.89	29.99	9.58	6	2	15
13	89	72	77	61	29.87	29.97	9.71	7	3	14
14	89	72	77	61	29.85	29.95	9.81	7	3	13
15	90	72	77	60	29.83	29.93	9.97	7	4	12
16	89	73	78	61	29.82	29.92	10.00	8	4	12
17	88	73	77	64	29.81	29.92	8.89	9	4	11
18	86	74	77	68	29.82	29.92	9.52	10	5	11
19	84	75	77	75	29.83	29.93	9.61	8	5	11
20	82	74	77	78	29.84	29.94	9.58	7	3	12
21	81	74	77	80	29.86	29.96	9.77	6	2	13
22	81	75	76	82	29.87	29.97	9.87	6	2	13
23	80	75	76	84	29.87	29.98	9.84	6	2	15
24	80	75	76	85	29.87	29.97	9.87	5	2	16

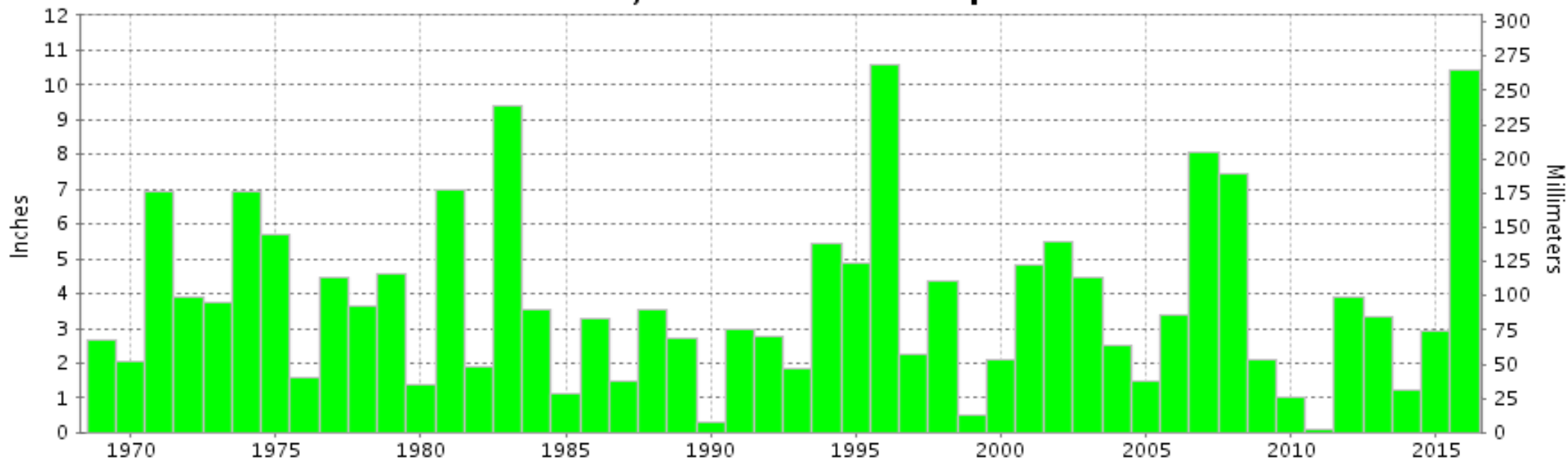
HOUSTON, TX AUGUST Temperatures



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

Long-Term (1969-2016) Mean: 83.9
1981-2010 Normal: 84.6

HOUSTON, TX AUGUST Precipitation



Long-Term (1969-2016) Mean Monthly Total: 3.80

1981-2010 Normal: 3.76



**AUGUST 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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NOAA\National Climatic Data Center
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