



DECEMBER 2016 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	66	36	51	-6	35	45	14	0		0		0.0	0.00	29.98	30.10	4.6	11	5.6	20	09	17	10	01	
02	65	45	55	-1	45	50	10	0	RA BR	0		0.0	0.07	29.95	30.08	10.5	08	11.0	26	11	22	10	02	
03	56	50	53	-3	50	51	12	0	TS TSRA RA BR	0		0.0	0.89	29.79	29.92	9.4	04	11.6	30	05	25	05	03	
04	53	51	52	-4	50	51	13	0	RA BR	0		0.0	0.77	29.85	29.96	9.9	01	9.3	23	04	18	03	04	
05	54	50	52	-4	50	51	13	0	RA DZ FG+ BR	0		0.0	0.94	29.67	29.81	3.7	36	7.6	21	03	17	07	05	
06	70	48	59	4	50	53	6	0	FG+ BCFG BR	0		0.0	0.00	29.83	29.93	3.8	32	5.8	22	02	18	35	06	
07	57	46	52	-3	50	51	13	0	RA BR HZ	0		0.0	0.19	29.98	30.08	5.3	03	6.3	16	01	14	01	07	
08	56	40	48	-7	40	44	17	0	RA BR	0		0.0	0.09	30.28	30.39	17.7	01	17.9	34	02	28	02	08	
09	51	38	45	-10	27	37	20	0		0		0.0	0.00	30.44	30.54	9.1	02	9.6	25	04	18	04	09	
10	56	34	45	-10	32	41	20	0		0		0.0	0.00	30.29	30.41	7.2	10	8.1	18	12	15	11	10	
11	76	52	64	10	61	64	1	0	RA	0		0.0	0.08	29.92	30.04	7.9	17	8.6	27	19	17	19	11	
12	71	64	68	14	63	65	0	3	RA DZ BR	0		0.0	T	29.88	30.00	1.8	31	2.3	11	34	9	33	12	
13	75	62	69	15	64	65	0	4	RA FG+ BR	0		0.0	T	29.87	29.98	3.4	30	5.2	27	22	21	36	13	
14	63	57	60	6	55	57	5	0	DZ BR HZ	0		0.0	T	30.03	30.13	6.0	02	6.8	17	05	15	03	14	
15	59	44	52	-2	38	45	13	0		0		0.0	0.00	30.17	30.29	8.6	05	9.8	25	04	21	04	15	
16	74	43	59	6	57	59	6	0	RA DZ BR	0		0.0	0.11	29.82	29.97	5.9	15	7.6	19	18	14	17	16	
17	81	46	64	11	66	69	1	0	RA BR	0		0.0	T	29.72	29.81	7.4	20	11.2	39	33	31	33	17	
18	46	33	40	-13	23	33	25	0		0		0.0	0.00	30.28	30.34	19.9	35	20.2	40	36	30	36	18	
19	50	30*	40*	-13	17	32	25	0		0		0.0	0.00	30.45	30.56	10.7	36	10.9	23	02	17	02	19	
20	59	35	47	-6	24	37	18	0		0		0.0	0.00	30.30	30.45	1.7	01	3.7	14	02	12	04	20	
21	72	45	59	6	45	53	6	0		0		0.0	0.00	30.09	30.22	4.5	21	5.5	20	22	14	22	21	
22	73	59	66	13	56	60	0	1	DZ BR	0		0.0	T	30.10	30.22	0.7	35	4.4	12	33	9	12	22	
23	78	63	71	18	65	66	0	6	RA DZ BR	0		0.0	0.09	29.98	30.11	7.8	14	8.2	21	17	16	16	23	
24	80	68	74	22	67	69	0	9	RA BR	0		0.0	T	29.96	30.09	10.0	15	10.5	22	14	18	14	24	
25	80	69	75	23	68	70	0	10	RA BR	0		0.0	0.01	29.91	30.03	14.7	15	15.0	35	15	28	15	25	
26	84*	71	78*	26	69	71	0	13	BR	0		0.0	0.00	30.04	30.14	9.9	16	10.2	26	18	18	15	26	
27	83	67	75	23	68	70	0	10	TS TSRA RA FG+ BR	0		0.0	0.02	30.06	30.18	1.4	13	3.0	12	15	10	16	27	
28	82	70	76	24	68	70	0	11	BR	0		0.0	0.00	29.96	30.08	5.5	21	5.8	20	22	14	23	28	
29	72	52	62	10	43	54	3	0		0		0.0	0.00	30.22	30.30	10.6	01	13.9	40*	02	32*	03	29	
30	56	48	52	0	30	43	13	0	RA	0		0.0	T	30.18	30.32	4.8	09	6.8	14	09	12	11	30	
31	68	51	60	8	58	60	5	0	RA BR	0		0.0	0.30	29.76	29.92	1.0	19	2.4	12	15	10	14	31	

66.6	50.5	58.6	☼	49.5	54.4	8.4	2.2	< MONTHLY AVERAGES TOTALS >				0.0	3.56	30.03	30.14	2.4	06	8.5	< MONTHLY AVERAGES			
2.3	5.9	4.2		----- DEPARTURE FROM NORMAL -----								-0.18	SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3									

DEGREE DAYS				GREATEST 24-HR PRECIPITATION : 1.18 DATE : 04-05				SEA LEVEL PRESSURE					
MONTHLY				GREATEST 24-HR SNOWFALL : 0.0 DATE :				MAXIMUM : 30.64 19 0953					
SEASON TO DATE				GREATEST SNOW DEPTH : 0 DATE :				MINIMUM : 29.70 17 1710					
TOTAL DEPARTURE		TOTAL DEPARTURE		NUMBER OF DAYS WITH ->		MAXIMUM TEMP >= 90 : 0		MINIMUM TEMP <= 32 : 1		PRECIPITATION >= 0.01 INCH : 12			
HEATING : 259 -95		317 -222		THUNDERSTORMS : 2		MAXIMUM TEMP <= 32 : 0		MINIMUM TEMP <= 0 : 0		PRECIPITATION >= 0.10 INCH : 6			
COOLING : 67		40 3444 289				HEAVY FOG : 4				SNOWFALL >= 1.0 INCH : 0			

DECEMBER 2016
HOUSTON, TX

HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

HOUSTON, TX (KIAH)
DECEMBER 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					0.02	0.04	0.01	T				02	0.07	0.07	
03		T	0.09	0.17	0.20	0.01	T			T	0.01	0.09	T	03	T			0.23	0.05	0.03	0.01			03	0.89	0.89		
04			0.04	0.09	0.02	0.03	0.15	0.14	0.03	0.05	0.04	0.07	04	0.05	T	0.01	0.01	T	0.02	T	0.01	0.01		04	0.77	0.77		
05	0.02	0.05	T	0.21	0.14	0.08	0.07	0.31	0.01	0.01	T	T	05	T	0.02	T	0.02	T	T	T				05	0.94	0.94		
06													06												06	0.00	0.00	
07													07												07	0.19	0.19	
08	0.05	0.02	0.02	T	T	T	T						08						T	T	T	0.05	0.13	0.01	08	0.09	0.09	
09													09												09	0.00	0.00	
10													10												10	0.00	0.00	
11													11		0.01	T	0.04	T							11	0.08	0.08	
12				T	T								12	T											12	T	T	
13			T	T									13												13	T	T	
14													14												14	T	T	
15													15												15	0.00	0.00	
16													16	T		0.01	0.01	0.02	0.02	0.01	0.01	0.01	0.01	0.01	16	0.11	0.11	
17			T	T									17				T	T							17	T	T	
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	T	T	
23	T	T	T	0.01	0.03	0.01	0.02	T	T	0.01	T	0.01	23	T											23	0.09	0.09	
24				T									24	T											24	T	T	
25			T	T									25								T	0.01	T		25	0.01	0.01	
26													26												26	0.00	0.00	
27					T								27							0.01	0.01			27	0.02	0.02		
28													28												28	0.00	0.00	
29													29												29	0.00	0.00	
30													30												30	T	T	
31						T	0.02	0.03	0.09	0.07	0.04	0.04	31	0.01	T		T	T						31	0.30	0.30		

* 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)	0.17	0.21	0.24	0.26	0.30	0.31	0.32	0.36	0.38	0.45	0.46	0.60
Ending Date	05	05	05	05	05	05	05	05	05	05	05	05
Ending Time (Hr/Min)	0724	0728	0733	0734	0734	0739	0804	0734	0739	0739	0804	0739

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	
VC In the Vicinity	UP Unkown Precipitation		GL Glaze

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

HOUSTON, TX DECEMBER 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	10.00	10.00
02	3.00	10.00
03	4.00	10.00
04	4.00	10.00
05	1.00	10.00
06	0.00	10.00
07	0.12	10.00
08	5.00	10.00
09	6.00	10.00
10	10.00	10.00
11	6.00	10.00
12	1.00	10.00
13	0.00	10.00
14	3.00	10.00
15	9.00	10.00
16	1.50	10.00
17	7.00	10.00
18	6.00	10.00
19	9.00	10.00
20	10.00	10.00
21	10.00	10.00
22	0.25	10.00
23	0.00	10.00
24	0.25	10.00
25	6.00	10.00
26	6.00	10.00
27	0.00	10.00
28	5.00	10.00
29	8.00	10.00
30	10.00	10.00
31	1.00	10.00
AVGS	4.58	10.00
MINIMUM VISIBILITY (MILES)		
<= .25	<= 3.0	>= 7.0
7	13	9

OBSERVATIONS AT 3-HOURLY INTERVALS

HOUSTON, TX

DECEMBER 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: 0660 DEC 01					SUNSET: 1721					SUNRISE: 0704 DEC 07					SUNSET: 1722										
03	CLR	NC	10.00		46	34	41	63	0	00	29.98	30.09	03	SCT	010	10.00		50	47	48	89	5	35	29.93	30.04
06	CLR	NC	10.00		42	35	39	76	3	34	30.01	30.12	06	BKN	012	10.00		49	46	48	90	3	01	29.94	30.06
09	FEW	150	10.00		50	39	45	66	8	07	30.05	30.16	09	OVC	006	0.50	BR	50	48	49	93	6	09	29.98	30.10
12	SCT	250	10.00		64	27	48	25	13	11	30.02	30.13	12	OVC	006	4.00	BR	52	49	50	89	5	10	29.98	30.10
15	BKN	250	10.00		64	30	48	28	9	13	29.96	30.07	15	OVC	022	5.00	HZ	56	51	53	84	7	03	29.94	30.05
18	BKN	250	10.00		61	38	50	43	11	16	29.95	30.06	18	OVC	012	7.00		57	52	54	83	9	06	29.96	30.07
21	BKN	250	10.00		52	41	47	66	6	11	29.98	30.09	21	OVC	012	7.00		56	53	54	90	7	35	30.02	30.13
24	SCT	250	10.00		50	42	46	74	0	00	29.98	30.10	24	OVC	034	6.00	-RA BR	56	54	55	93	10	01	30.06	30.18
SUNRISE: 0700 DEC 02					SUNSET: 1721					SUNRISE: 0705 DEC 08					SUNSET: 1722										
03	BKN	250	10.00		50	45	48	83	3	02	29.98	30.09	03	OVC	008	10.00		54	52	53	93	15	01	30.10	30.21
06	BKN	250	10.00		52	42	47	69	9	06	29.98	30.09	06	OVC	014	5.00	-RA BR	52	50	51	93	17	01	30.16	30.27
09	OVC	250	10.00		57	43	50	60	13	09	30.02	30.13	09	OVC	010	10.00		47	43	45	86	22	01	30.29	30.40
12	OVC	140	10.00		65	45	54	49	14	07	29.98	30.10	12	OVC	015	10.00		46	40	43	79	18	02	30.32	30.43
15	OVC	070	10.00		64	45	54	50	14	09	29.95	30.06	15	OVC	130	10.00		47	33	41	59	22	01	30.29	30.41
18	OVC	110	7.00	-RA	56	52	54	87	9	07	29.93	30.04	18	OVC	200	10.00		45	33	40	63	17	02	30.37	30.48
21	OVC	024	10.00		53	48	50	83	13	08	29.94	30.05	21	OVC	100	10.00		43	33	39	68	14	36	30.45	30.56
24	OVC	022	10.00		54	46	50	75	14	05	29.91	30.02	24	OVC	100	10.00		40	29	36	65	15	36	30.46	30.58
SUNRISE: 0701 DEC 03					SUNSET: 1721					SUNRISE: 0706 DEC 09					SUNSET: 1722										
03	OVC	019	7.00	+RA	51	48	49	89	15	05	29.86	29.97	03	OVC	110	10.00		39	27	34	62	10	36	30.46	30.58
06	OVC	015	7.00		51	49	50	92	14	08	29.80	29.91	06	OVC	100	10.00		38	25	33	60	11	01	30.46	30.58
09	OVC	006	10.00		54	52	53	93	10	01	29.84	29.95	09	BKN	100	10.00		39	24	33	55	15	02	30.50	30.61
12	OVC	006	10.00	-RA	54	51	52	90	16	03	29.80	29.91	12	SCT	090	10.00		45	23	37	42	7	01	30.46	30.58
15	OVC	006	10.00		55	52	53	90	10	02	29.77	29.88	15	BKN	085	10.00		50	23	39	35	6	02	30.40	30.51
18	OVC	030	4.00	+RA BR	53	51	52	93	10	02	29.79	29.90	18	BKN	080	10.00		47	27	39	46	7	01	30.40	30.51
21	OVC	006	7.00		53	51	52	93	11	04	29.76	29.88	21	OVC	075	10.00		45	30	39	56	9	01	30.40	30.52
24	OVC	004	7.00		53	51	52	93	7	31	29.81	29.92	24	OVC	080	10.00		45	28	38	52	6	05	30.40	30.52
SUNRISE: 0702 DEC 04					SUNSET: 1721					SUNRISE: 0706 DEC 10					SUNSET: 1722										
03	OVC	003	5.00	-RA BR	52	52	52	100	11	02	29.81		03	SCT	080	10.00		40	30	36	68	7	06	30.38	30.50
06	OVC	005	6.00	RA BR	52	50	51	93	3	36	29.84	29.95	06	BKN	075	10.00		38	30	35	73	5	04	30.38	30.50
09	OVC	006	10.00	-RA	52	50	51	93	9	32	29.86	29.97	09	BKN	250	10.00		41	29	36	62	9	09	30.40	30.51
12	OVC	020	5.00	-RA BR	52	50	51	93	7	34	29.91	30.01	12	OVC	065	10.00		51	34	43	52	8	09	30.35	30.46
15	OVC	009	10.00	-RA	53	50	51	89	8	35	29.84	29.96	15	OVC	060	10.00		56	34	46	44	10	12	30.24	30.37
18	OVC	008	7.00	-RA	52	50	51	93	13	01	29.84	29.95	18	OVC	050	10.00		52	32	43	47	7	12	30.19	30.31
21	OVC	025	6.00	-RA BR	51	49	50	92	14	01	29.87	29.98	21	OVC	055	10.00		52	36	45	55	10	11	30.16	30.27
24	OVC	008	7.00		51	49	50	92	13	04	29.84	29.95	24	OVC	070	10.00		52	41	47	66	8	10	30.11	30.22
SUNRISE: 0703 DEC 05					SUNSET: 1722					SUNRISE: 0707 DEC 11					SUNSET: 1722										
03	OVC	038	8.00	-RA	50	48	49	93	14	03	29.76	29.87	03	OVC	020	10.00		56	50	53	81	7	13	30.03	30.14
06	OVC	044	7.00	RA	50	48	49	93	16	07	29.70	29.81	06	OVC	040	10.00		62	58	60	86	7	15	29.97	30.08
09	OVC	005	7.00		51	50	50	96	9	01	29.72	29.83	09	BKN	070	10.00		67	62	64	84	8	16	29.96	30.06
12	OVC	005	7.00	-RA	53	51	52	93	0	00	29.67	29.78	12	BKN	041	10.00		75	65	69	71	13	18	29.92	30.02
15	OVC	009	2.00	-RA BR	53	52	52	96	7	26	29.63	29.74	15	BKN	080	10.00		75	66	69	74	9	19	29.83	29.94
18	BKN	120	10.00		51	49	50	92	5	26	29.63	29.74	18	BKN	070	10.00		71	66	68	84	6	18	29.84	29.95
21	OVC	019	10.00		52	50	51	93	7	25	29.67	29.78	21	SCT	060	10.00		70	66	67	87	10	18	29.84	29.95
24	OVC	008	10.00		52	51	51	97	3	28	29.69	29.80	24	OVC	024	9.00		71	67	68	87	3	21	29.88	29.98
SUNRISE: 0703 DEC 06					SUNSET: 1722					SUNRISE: 0708 DEC 12					SUNSET: 1723										
03	SCT	007	9.00		51	49	50	92	3	20	29.73	29.84	03	OVC	027	7.00		68	66	67	93	0	00	29.88	29.99
06	OVC	002	0.12	BR	50	49	49	96	3	VR	29.74	29.85	06	OVC	013	1.50	BR	67	66	66	97	0	00	29.88	29.99
09	BKN	003	0.75	BR	52	52	52	100	3	VR	29.79	29.91	09	OVC	011	4.00	BR	68	64	66	87	5	31	29.92	30.03
12	FEW	030	10.00		66	51	58	59	7	27	29.79	29.90	12	OVC	006	1.50	-DZ BR	68	64	66	87	3	33	29.93	30.04
15	FEW	035	10.00		69	50	58	51	8	34	29.79	29.90	15	OVC	015	10.00		70	64	66	82	6	32	29.87	29.98
18	SCT	250	10.00		57	51	54	81	8	35	29.87	29.98	18	BKN	041	8.00		67	63	65	87	0	00	29.86	29.97
21	BKN	250	10.00		56	50	53	81	9	36	29.93	30.03	21	OVC	032	7.00		66	63	64	90	0	00	29.87	29.97
24	BKN	006	10.00		51	49	50	92	10	36	29.93	30.04	24	OVC	035	4.00	BR	65	64	64	97	0	00	29.86	29.97

OBSERVATIONS AT 3-HOURLY INTERVALS

HOUSTON, TX

DECEMBER 2016

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				
																										DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)
SUNRISE: 0708					DEC 13					SUNSET: 1723					SUNRISE: 0712					DEC 19					SUNSET: 1725				
03	OVC	005	5.00	BR	67	65	66	93	0	00	29.84	29.95	03	CLR	NC	10.00				31	17	27	56	11	36	30.45	30.56		
06	OVC	002	0.00	FG	65	64	64	97	0	00	29.83	29.94	06	FEW	100	10.00				30	17	26	58	14	36	30.45	30.58		
09	OVC	004	1.00	BR	68	66	67	93	0	00	29.89	30.00	09	SCT	090	10.00				35	16	29	46	10	02	30.50	30.62		
12	OVC	019	10.00		74	65	68	74	9	24	29.88	29.99	12	SCT	250	10.00				44	16	34	32	15	01	30.50	30.61		
15	BKN	017	10.00		73	65	68	76	8	27	29.83	29.94	15	BKN	250	10.00				48	14	36	25	16	01	30.43	30.55		
18	SCT	250	10.00		65	61	63	87	0	00	29.86	29.97	18	SCT	250	10.00				45	16	35	31	8	36	30.45	30.57		
21	OVC	021	9.00		63	58	60	84	9	35	29.94	30.05	21	FEW	250	10.00				41	18	33	39	8	36	30.45	30.57		
24	OVC	009	9.00		63	59	61	87	7	34	29.96	30.07	24	FEW	250	9.00				38	20	32	48	5	01	30.43	30.55		
SUNRISE: 0709					DEC 14					SUNSET: 1723					SUNRISE: 0712					DEC 20					SUNSET: 1726				
03	OVC	008	8.00		61	58	59	90	7	36	29.97	30.07	03	SCT	080	10.00				36	20	30	52	5	34	30.42	30.54		
06	OVC	007	8.00		60	57	58	90	6	36	29.97	30.08	06	SCT	250	10.00				35	22	30	59	5	02	30.42	30.54		
09	OVC	007	4.00	BR	59	56	57	90	6	34	30.03	30.15	09	BKN	085	10.00				39	22	33	50	9	03	30.43	30.55		
12	OVC	011	4.00	HZ	62	56	59	80	8	34	30.02	30.13	12	FEW	250	10.00				51	19	39	28	3	VR	30.35	30.47		
15	OVC	012	7.00		62	55	58	78	9	02	30.00	30.11	15	SCT	250	10.00				57	19	42	23	6	27	30.27	30.40		
18	OVC	020	7.00		60	53	56	78	5	04	30.03	30.15	18	SCT	250	10.00				51	31	42	46	0	00	30.24	30.35		
21	OVC	029	10.00		58	51	54	78	7	01	30.11	30.22	21	FEW	250	10.00				45	35	41	68	0	00	30.22	30.34		
24	OVC	032	10.00		57	48	52	72	10	05	30.16	30.27	24	BKN	250	10.00				49	31	41	50	5	22	30.22	30.34		
SUNRISE: 0710					DEC 15					SUNSET: 1724					SUNRISE: 0713					DEC 21					SUNSET: 1726				
03	OVC	035	10.00		53	42	48	66	11	02	30.18	30.29	03	OVC	060	10.00				52	30	43	43	3	21	30.18	30.29		
06	OVC	038	10.00		47	37	43	69	15	05	30.22	30.34	06	SCT	250	10.00				46	33	40	61	0	00	30.14	30.26		
09	BKN	250	10.00		46	36	42	68	14	04	30.27	30.39	09	BKN	250	10.00				55	32	45	42	5	18	30.14	30.27		
12	BKN	250	10.00		53	36	45	52	8	03	30.24	30.35	12	SCT	250	10.00				67	49	57	53	8	20	30.13	30.23		
15	BKN	250	10.00		58	37	48	46	6	08	30.14	30.26	15	SCT	250	10.00				72	54	62	53	11	21	30.02	30.13		
18	SCT	250	10.00		51	37	45	59	9	07	30.14	30.26	18	BKN	250	10.00				69	56	61	63	6	25	30.03	30.14		
21	FEW	250	10.00		46	38	42	73	9	10	30.13	30.24	21	OVC	033	10.00				68	59	63	73	3	22	30.06	30.16		
24	FEW	250	10.00		45	37	41	74	3	VR	30.10	30.21	24	OVC	030	10.00				66	58	61	75	6	21	30.06	30.17		
SUNRISE: 0710					DEC 16					SUNSET: 1724					SUNRISE: 0713					DEC 22					SUNSET: 1727				
03	OVC	016	10.00		48	40	44	74	7	09	30.02	30.13	03	OVC	018	10.00				65	58	61	78	3	26	30.06	30.18		
06	OVC	018	10.00		49	42	46	77	8	10	29.96	30.07	06	OVC	033	9.00				61	57	59	87	0	00	30.10	30.21		
09	OVC	014	10.00		52	46	49	80	9	12	29.94	30.05	09	BKN	250	8.00				65	60	62	84	7	34	30.14	30.26		
12	OVC	010	7.00	-DZ BR	60	56	58	86	7	13	29.87	29.98	12	BKN	250	10.00				69	55	61	61	3	26	30.14	30.24		
15	OVC	013	3.00	-RA BR	71	67	68	87	10	16	29.75	29.86	15	BKN	048	10.00				73	53	61	50	6	31	30.06	30.18		
18	OVC	008	3.00	-RA BR	71	69	70	94	6	17	29.75	29.85	18	BKN	250	10.00				70	54	61	57	6	VR	30.10	30.21		
21	OVC	040	7.00		73	70	71	90	8	21	29.75	29.86	21	OVC	065	10.00				65	60	62	84	8	11	30.11	30.23		
24	OVC	018	7.00		74	71	72	91	7	18	29.73	29.84	24	OVC	003	0.25	-DZ BR			64	63	63	96	7	13	30.11	30.22		
SUNRISE: 0711					DEC 17					SUNSET: 1724					SUNRISE: 0714					DEC 23					SUNSET: 1727				
03	OVC	022	7.00	-RA	74	71	72	91	3	19	29.71	29.82	03	OVC	003	0.25	BR			63	62	62	97	6	10	30.06	30.17		
06	OVC	050	9.00		74	70	71	88	8	18	29.68	29.79	06	OVC	004	1.00	-RA BR			63	62	62	97	8	12	30.03	30.14		
09	BKN	038	9.00		75	70	72	84	13	18	29.71	29.81	09			0.25							9	13					
12	OVC	046	8.00		78	70	73	76	14	19	29.67	29.78	12	OVC	002	0.00	-DZ BR			68	67	67	96	9	14	30.01	30.12		
15	BKN	250	10.00		81	68	72	65	15	18	29.59	29.70	15	BKN	049	10.00				77	68	71	74	10	17	29.93	30.04		
18	OVC	048	10.00		78	70	73	76	8	18	29.63	29.73	18	BKN	045	10.00				74	65	68	74	13	15	29.94	30.05		
21	BKN	250	10.00		77	70	72	79	9	20	29.69	29.80	21	OVC	045	10.00				71	68	69	90	7	16	29.97	30.08		
24	OVC	016	10.00		46	41	44	83	22	35	29.91	30.02	24	OVC	024	7.00				70	68	69	93	8	14	29.98	30.09		
SUNRISE: 0711					DEC 18					SUNSET: 1725					SUNRISE: 0714					DEC 24					SUNSET: 1728				
03	OVC	036	10.00		40	29	36	65	18	33	30.03	30.15	03	OVC	007	6.00	BR			69	67	68	93	3	17	29.98	30.09		
06	OVC	060	10.00		36	22	31	57	24	36	30.14	30.25	06	BKN	045	5.00	BR			68	67	67	96	7	15	29.98	30.09		
09	OVC	065	10.00		34	19	29	54	21	35	30.24	30.36	09	SCT	100	7.00				70	68	69	93	7	16	30.01	30.12		
12	OVC	110	10.00		39	20	32	46	21	36	30.27	30.39	12	BKN	048	10.00				76	67	70	74	10	19	29.98	30.10		
15	BKN	250	10.00		43	20	35	40	23	35	30.24	30.36	15	SCT	060	10.00				80	65	70	60	14	16	29.94	30.04		
18	BKN	250	10.00		38	20	32	48	17	36	30.30	30.42	18	FEW	070	10.00				71	67	68	87	11	13	29.94	30.05		
21	BKN	250	10.00		37	19	31	48	16	35	30.40	30.51	21	OVC	025	7.00				70	68	69	93	14	14	29.98	30.09		
24	SCT	250	10.00		33	18	28	54	16	36	30.42	30.54	24	OVC	007	7.00				70	68	69	93	16	14	29.97	30.07		

OBSERVATIONS AT 3-HOURLY INTERVALS

HOUSTON, TX
DECEMBER 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: 0715 DEC 25					SUNSET: 1728							
03	OVC	005	7.00		70	68	69	93	10	15	29.93	30.03
06	OVC	005	6.00	BR	70	68	69	93	11	14	29.91	30.02
09	OVC	020	7.00		72	69	70	91	15	15	29.95	30.05
12	BKN	250	10.00		78	67	71	69	18	17	29.91	30.02
15	BKN	250	10.00		78	65	70	64	20	16	29.86	29.97
18	BKN	250	10.00		75	68	70	79	13	16	29.88	29.99
21	BKN	035	7.00		72	69	70	91	13	14	29.93	30.04
24	OVC	025	7.00		73	70	71	90	11	15	29.96	30.07
SUNRISE: 0715 DEC 26					SUNSET: 1729							
03	OVC	039	9.00		74	71	72	91	13	17	29.97	30.07
06	OVC	027	9.00		74	70	71	88	10	16	29.98	30.10
09	OVC	027	7.00		74	70	71	88	9	15	30.06	30.17
12	BKN	095	10.00		81	69	73	67	13	17	30.06	30.17
15	BKN	095	10.00		82	66	71	58	9	18	30.00	30.11
18	BKN	250	10.00		75	70	72	84	10	13	30.06	30.16
21	OVC	006	6.00	BR	72	70	71	94	8	17	30.09	30.20
24	OVC	025	7.00		73	70	71	90	0	00	30.11	30.22
SUNRISE: 0716 DEC 27					SUNSET: 1729							
03	OVC	100	5.00	BR	70	68	69	93	0	00	30.10	30.21
06	SCT	095	5.00		70	69	69	97	0	00	30.09	30.20
09	VV	002	0.00	FG	70	69	69	97	5	34	30.13	30.24
12	BKN	045	8.00		79	68	72	69	3	VR	30.11	30.22
15	BKN	055	10.00		81	65	71	58	3	VR	30.03	30.14
18	OVC	090	10.00		76	67	70	74	9	14	30.02	30.12
21	BKN	090	10.00		72	70	71	94	3	17	30.05	30.16
24	OVC	006	8.00		71	69	70	94	5	18	30.03	30.15
SUNRISE: 0716 DEC 28					SUNSET: 1730							
03	OVC	013	7.00		70	68	69	93	3	18	30.02	30.12
06	BKN	075	8.00		70	68	69	93	5	16	30.00	30.11
09	BKN	025	6.00	BR	72	69	70	91	6	18	30.02	30.13
12	BKN	070	10.00		77	67	70	71	10	23	30.00	30.10
15	SCT	250	10.00		81	66	71	61	9	23	29.90	30.01
18	SCT	250	10.00		77	66	70	69	3	21	29.90	30.01
21	BKN	250	10.00		74	67	69	79	7	20	29.93	30.03
24	BKN	250	10.00		71	68	69	90	5	22	29.96	30.07
SUNRISE: 0716 DEC 29					SUNSET: 1731							
03	OVC	009	10.00		72	68	69	87	10	27	29.97	30.08
06	OVC	025	10.00		71	67	68	87	18	34	30.02	30.13
09	BKN	250	10.00		63	46	54	54	23	02	30.18	30.29
12	BKN	230	10.00		68	39	53	35	25	04	30.24	30.35
15	BKN	220	10.00		65	28	48	25	22	02	30.24	30.35
18	BKN	250	10.00		59	32	47	36	7	34	30.27	30.39
21	BKN	250	10.00		54	27	43	35	7	36	30.32	30.44
24	BKN	200	10.00		52	24	41	34	8	36	30.37	30.49
SUNRISE: 0717 DEC 30					SUNSET: 1731							
03	OVC	180	10.00		49	26	40	41	7	01	30.34	30.45
06	BKN	180	10.00		49	26	40	41	0	00	30.32	30.44
09	OVC	250	10.00		50	25	40	38	7	02	30.35	30.46
12	OVC	250	10.00		54	26	42	34	8	11	30.29	30.40
15	OVC	160	10.00		55	25	43	31	8	12	30.18	30.29
18	OVC	095	10.00		52	33	44	49	9	11	30.14	30.25
21	OVC	095	10.00		52	34	44	50	7	12	30.08	30.19
24	OVC	170	10.00		51	40	46	66	6	12	29.98	30.10

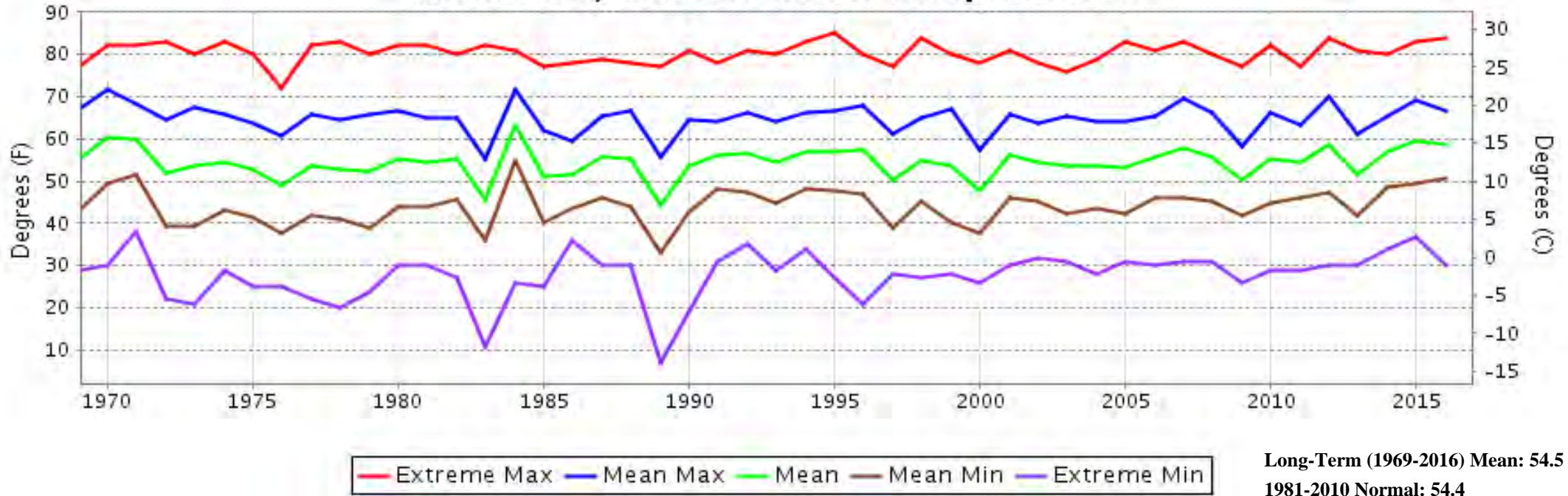
HOUR (LST)	SKY COVER	CEILING 100's of FT.	VISIBILITY (MILES)	WEATHER	TEMPERATURE °F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES, HG)	
					DRY BULB	DEW POINT	WET BULB		SPEED (MPH)	DIRECTION Tens of Deg	STATION	SEA LEVEL
SUNRISE: 0717 DEC 31					SUNSET: 1732							
03	OVC	110	10.00		55	48	51	77	0	00	29.92	30.03
06	OVC	033	10.00	-RA	59	53	56	81	0	00	29.85	29.96
09	OVC	004	1.00	RA BR	60	59	59	96	3	35	29.84	29.96
12	BKN	036	3.00	RA BR	64	63	63	96	5	19	29.77	29.88
15	OVC	013	8.00		67	64	65	91	5	30	29.68	29.79
18	OVC	012	10.00		67	65	66	93	0	00	29.71	29.82
21	OVC	020	10.00		66	65	65	96	3	20	29.74	29.85
24	OVC	021	5.00	BR	67	64	65	91	3	19	29.74	29.85

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.

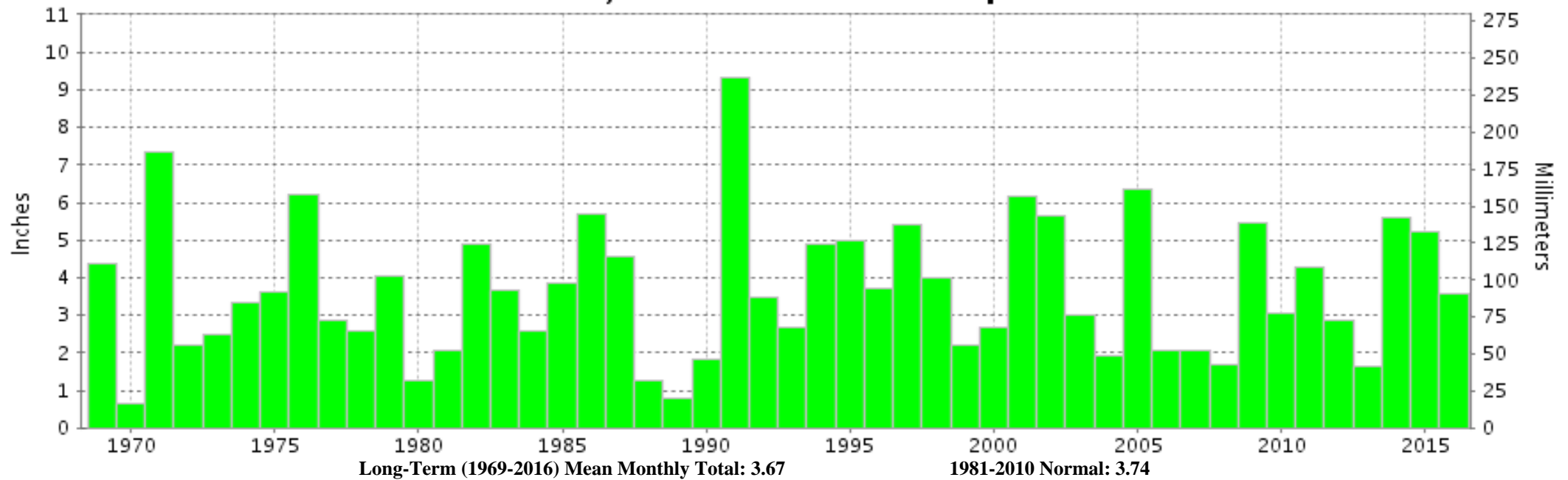
SUMMARY BY HOUR

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	56	49	53	78	30.04	30.16	8.44	8	2	02
02	56	49	53	80	30.04	30.15	8.27	8	2	02
03	56	49	53	80	30.03	30.15	8.40	7	3	03
04	55	49	52	81	30.03	30.15	7.85	7	3	03
05	55	49	52	81	30.03	30.15	7.60	7	3	05
06	55	49	52	82	30.03	30.14	7.63	7	4	06
07	55	49	52	81	30.04	30.16	7.73	8	4	06
08	55	49	52	81	30.06	30.17	6.87	8	5	06
09	56	48	53	77	30.07	30.18	7.18	10	4	06
10	58	48	54	72	30.08	30.19	8.02	10	3	05
11	61	49	55	68	30.07	30.19	8.45	10	3	05
12	62	49	56	65	30.05	30.16	8.31	10	3	05
13	64	49	56	62	30.02	30.13	8.92	10	4	05
14	65	49	57	60	29.99	30.10	9.23	10	3	04
15	65	49	57	60	29.99	30.10	9.19	11	2	03
16	64	49	57	61	29.99	30.10	9.15	10	3	04
17	63	50	56	66	29.99	30.10	9.16	9	3	04
18	61	50	56	70	30.00	30.11	9.13	8	4	05
19	60	51	56	73	30.01	30.12	9.03	8	3	05
20	60	51	55	75	30.02	30.13	8.94	9	3	04
21	59	51	55	77	30.03	30.14	9.13	8	3	05
22	58	51	55	78	30.03	30.14	8.77	8	3	05
23	57	50	54	79	30.03	30.15	8.71	8	3	04
24	57	50	54	79	30.04	30.15	8.36	8	3	04

HOUSTON, TX DECEMBER Temperatures



HOUSTON, TX DECEMBER Precipitation





DECEMBER 2016

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 "Margarita Jee SS".

DIRECTOR (ACTING)

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