



JANUARY 2014 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



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			
									DEPTH	WATER- EQUIV	SNOW- FALL	WATER EQUIV			SPEED	DIR	SPEED	SPEED	DIR	SPEED	DIR			
01	65	46	56	4	51	53	9	0	RA	0		0.0	T	29.99	30.13	3.1	15	3.5	15	18	13	15	01	
02	59	37	48	-4	31	40	17	0	RA BR	0		0.0	0.01	30.22	30.31	13.2	34	13.5	36	01	29	35	02	
03	54	31	43	-9	27	36	22	0		0		0.0	0.00	30.22	30.36	2.5	13	5.3	16	10	13	15	03	
04	66	35	51	-1	47	51	14	0		0		0.0	0.00	29.87	30.03	8.9	17	9.1	25	16	20	16	04	
05	65	35	50	-2	39	45	15	0	RA BR	0		0.0	0.05	29.99	30.06	9.4	33	14.6	36	32	30	31	05	
06	36	27	32	-20	13	26	33	0		0		0.0	0.00	30.50	30.59	12.8	36	13.0	33	35	25	36	06	
07	45	21*	33	-19	18	29	32	0		0		0.0	0.00	30.42	30.55	5.8	13	7.2	18	14	16	13	07	
08	56	40	48	-3	43	47	17	0	RA	0		0.0	T	30.12	30.28	14.1	12	14.7	38*	14	30*	14	08	
09	69	51	60	9	57	58	5	0	RA BR	0		0.0	0.27	29.99	30.14	8.5	14	9.0	24	15	20	16	09	
10	70	57	64	13	61	62	1	0	RA BR	0		0.0	T	29.78	29.92	7.3	17	8.7	25	18	17	18	10	
11	74	45	60	9	44	53	5	0	BR	0		0.0	0.00	29.94	30.03	5.2	33	6.9	24	02	18	36	11	
12	74	38	56	5	45	51	9	0	RA	0		0.0	T	29.91	30.05	6.4	16	6.6	25	15	20	16	12	
13	71	45	58	7	44	54	7	0	TS TSRA RA	0		0.0	0.24	29.88	29.98	7.5	31	9.9	33	36	26	35	13	
14	70	35	53	2	33	45	12	0		0		0.0	0.00	30.01	30.11	2.6	27	4.5	23	01	17	01	14	
15	59	36	48	-3	26	39	17	0		0		0.0	0.00	30.17	30.30	7.7	33	9.0	29	32	21	31	15	
16	70	33	52	1	38	45	13	0		0		0.0	0.00	30.01	30.14	4.2	23	4.7	25	25	17	26	16	
17	63	39	51	-1	24	41	14	0		0		0.0	0.00	30.16	30.27	6.2	35	6.4	23	01	18	35	17	
18	69	32	51	-1	37	45	14	0		0		0.0	0.00	30.08	30.20	4.5	17	4.9	20	21	14	18	18	
19	69	40	55	3	37	47	10	0	BR	0		0.0	0.00	30.09	30.21	2.2	32	4.4	16	34	12	34	19	
20	77*	38	58	6	50	54	7	0	BR HZ	0		0.0	0.00	29.88	30.01	5.2	22	5.5	25	22	18	23	20	
21	62	38	50	-2	25	42	15	0		0		0.0	0.00	30.14	30.24	12.2	35	12.5	35	36	29	36	21	
22	69	29	49	-3	34	43	16	0		0		0.0	0.00	30.01	30.14	3.8	16	4.5	18	15	16	15	22	
23	56	33	45	-7	42	44	20	0	RA BR	0		0.0	0.30	30.26	30.32	12.4	03	13.0	33	03	26	03	23	
24	36	28	32*	-20	27	30	33	0	RA DZ FZRA FZDZ SN BR	0		T	0.04	30.42	30.54	9.4	01	9.5	30	03	23	03	24	
25	61	29	45	-7	31	38	20	0		0		0.0	0.00	30.03	30.20	4.3	24	4.7	18	24	13	23	25	
26	71	45	58	6	45	51	7	0		0		0.0	0.00	29.75	29.91	6.6	20	6.8	24	20	17	21	26	
27	61	49	55	3	43	50	10	0	BR	0		0.0	0.00	29.90	29.99	9.5	01	11.4	30	02	22	01	27	
28	49	30	40	-13	22	31	25	0	RA DZ FZRA FZDZ SN PL BR	0		T	0.05	30.23	30.31	10.8	01	11.1	28	02	23	02	28	
29	42	29	36	-17	17	29	29	0		0		0.0	0.00	30.29	30.41	2.2	05	4.9	15	02	12	01	29	
30	58	22	40	-13	36	41	25	0		0		0.0	0.00	29.98	30.13	8.7	15	9.0	25	16	20	15	30	
31	72	57	65*	12	56	59	0	0		0		0.0	0.00	29.84	29.96	11.8	16	12.0	25	16	20	16	31	
61.9		37.1	49.5	☼	36.9	44.5	15.3	0.0	< MONTHLY AVERAGES TOTALS >			T	0.96	30.07	30.19	0.9	03	8.4	< MONTHLY AVERAGES					
-1.0		-6.1	-3.6		<----- DEPARTURE FROM NORMAL ----->							-2.42	SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3											
DEGREE DAYS									GREATEST 24-HR PRECIPITATION : 0.34 DATE : 23-24				SEA LEVEL PRESSURE				DATE		TIME					
MONTHLY				SEASON TO DATE					GREATEST 24-HR SNOWFALL : T DATE : 28+				MAXIMUM : 30.70				06		2153					
TOTAL DEPARTURE				TOTAL DEPARTURE					GREATEST SNOW DEPTH : 0 DATE :				MINIMUM : 29.76				26		1811					
HEATING :		473		88		1165		241		NUMBER OF -> DAYS WITH		MAXIMUM TEMP >= 90 : 0		MINIMUM TEMP <= 32 : 10		PRECIPITATION >= 0.01 INCH: 7								
COOLING :		0		-15		0		-15		THUNDERSTORMS : 1		MAXIMUM TEMP <= 32 : 0		MINIMUM TEMP <= 0 : 0		PRECIPITATION >= 0.10 INCH: 3								
												HEAVY FOG : 0				SNOWFALL >= 1.0 INCH : 0								

JANUARY 2014
HOUSTON, TX

HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

HOUSTON, TX (KIAH)
JANUARY 2014

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				T	T	T	T					01	T	T	
02	T	0.01	T										02				T	T	T	T					02	0.01	0.01	
03													03												03	0.00	0.00	
04													04												04	0.00	0.00	
05					T			0.04	0.01	T			05												05	0.05	0.05	
06													06												06	0.00	0.00	
07													07												07	0.00	0.00	
08													08			T	T				T	T	T	T	08	T	T	
09	0.01	T	T	T	T			0.10	0.10	T	T	0.01	09	0.04	T		T	0.01						09	0.27	0.27		
10													10		T		T	T						10	T	T		
11													11												11	0.00	0.00	
12													12												12	T	T	
13	T	T	0.22	0.02		T	T						13						T	T					13	0.24	0.24	
14													14												14	0.00	0.00	
15													15												15	0.00	0.00	
16													16												16	0.00	0.00	
17													17												17	0.00	0.00	
18													18												18	0.00	0.00	
19													19												19	0.00	0.00	
20													20												20	0.00	0.00	
21													21												21	0.00	0.00	
22													22												22	0.00	0.00	
23												T	23	0.07	T	0.03	0.01	0.01	0.05	0.04	0.01	0.01	0.02	0.03	0.02	23	0.30	0.30
24	T	T	T	0.02	0.02	T	T	T					24												24	0.04	0.04	
25													25												25	0.00	0.00	
26													26												26	0.00	0.00	
27													27												27	0.00	0.00	
28						T	T	T	T	0.02	0.02	0.01	28	T	T	T	T	T						28	0.05	0.05		
29													29												29	0.00	0.00	
30													30												30	0.00	0.00	
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)	0.07	0.10	0.14	0.15	0.17	0.20	0.24	0.24	0.24	0.24	0.24	0.24
Ending Date	13	13	13	13	13	13	13	13	13	13	13	13
Ending Time (Hr/Min)	0217	0224	0224	0230	0233	0255	0304	0304	0304	0304	0304	0304

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 JANUARY 2014

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	4.00	10.00
03	10.00	10.00
04	10.00	10.00
05	6.00	10.00
06	10.00	10.00
07	10.00	10.00
08	3.00	10.00
09	3.00	10.00
10	1.00	10.00
11	1.00	10.00
12	10.00	10.00
13	9.00	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	0.50	10.00
20	0.50	10.00
21	10.00	10.00
22	10.00	10.00
23	3.00	10.00
24	6.00	10.00
25	7.00	10.00
26	10.00	10.00
27	10.00	10.00
28	3.00	10.00
29	10.00	10.00
30	10.00	10.00
31	10.00	10.00
AVGS	7.23	10.00
MINIMUM VISIBILITY (MILES)		
<= .25	<= 3.0	>= 7.0
0	8	20

OBSERVATIONS AT 3-HOURLY INTERVALS

HOUSTON, TX
JANUARY 2014

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: 0717					JAN 01					SUNSET: 1733					SUNRISE: 0718					JAN 07					SUNSET: 1737				
03	OVC	090	10.00		47	40	44	77	3	15	30.13	30.24	03	SCT	250	10.00		25	12	21	58	5	03	30.50	30.62				
06	BKN	110	10.00		46	42	44	86	0	00	30.09	30.20	06	SCT	250	10.00		24	14	21	65	0	00	30.53	30.64				
09	OVC	085	10.00		49	44	47	83	0	00	30.10	30.21	09	BKN	250	10.00		28	15	24	58	6	05	30.54	30.66				
12	BKN	250	10.00		62	53	57	73	8	16	30.03	30.15	12	FEW	250	10.00		40	11	31	30	9	14	30.48	30.60				
15	OVC	070	10.00		64	55	59	73	5	15	29.94	30.05	15	FEW	250	10.00		44	14	34	30	10	16	30.38	30.50				
18	OVC	018	10.00	-RA	60	58	59	93	5	17	29.93	30.04	18	OVC	250	10.00		40	26	35	58	14	13	30.37	30.49				
21	OVC	016	10.00		59	58	58	96	3	15	29.93	30.04	21	BKN	050	10.00		38	27	34	65	10	13	30.35	30.47				
24	OVC	014	10.00		59	57	58	93	0	00	29.97	30.07	24	OVC	040	10.00		40	31	36	70	9	09	30.29	30.42				
SUNRISE: 0717					JAN 02					SUNSET: 1734					SUNRISE: 0718					JAN 08					SUNSET: 1738				
03	BKN	060	8.00		58	57	57	97	8	30	29.98	30.09	03	BKN	031	10.00		43	35	40	74	10	11	30.24	30.35				
06	CLR	NC	10.00		44	34	40	68	13	34	30.08	30.19	06	OVC	032	10.00		47	38	43	71	11	12	30.18	30.29				
09	SCT	250	10.00		39	27	34	62	24	35	30.19	30.30	09	OVC	023	10.00		51	42	47	71	13	12	30.19	30.31				
12	BKN	250	10.00		46	28	39	50	22	35	30.22	30.33	12	OVC	027	10.00		55	44	50	67	23	14	30.16	30.28				
15	BKN	250	10.00		51	24	40	35	17	34	30.21	30.32	15	OVC	025	10.00	-RA	54	47	50	77	20	14	30.10	30.22				
18	BKN	250	10.00		45	24	37	44	9	34	30.27	30.38	18	OVC	023	10.00		55	47	51	74	13	12	30.08	30.19				
21	SCT	250	10.00		41	24	35	51	10	35	30.32	30.43	21	OVC	019	10.00		52	50	51	93	13	12	30.11	30.22				
24	BKN	250	10.00		37	24	32	59	6	34	30.34	30.45	24	OVC	019	10.00	-RA	51	51	51	100	10	09	30.09	30.20				
SUNRISE: 0718					JAN 03					SUNSET: 1734					SUNRISE: 0718					JAN 09					SUNSET: 1739				
03	FEW	250	10.00		35	24	31	64	5	35	30.34	30.45	03	OVC	025	10.00	-RA	54	53	53	97	6	11	30.05	30.16				
06	FEW	250	10.00		32	23	29	69	0	00	30.32	30.44	06	OVC	070	10.00		56	54	55	93	9	11	30.03	30.14				
09	FEW	250	10.00		37	24	32	59	8	06	30.37	30.48	09	OVC	100	10.00	-RA	58	57	57	97	9	15	30.08	30.19				
12	FEW	250	10.00		48	25	39	41	0	00	30.32	30.44	12	OVC	055	3.00	BR	63	62	62	97	6	15	30.05	30.16				
15	FEW	250	10.00		53	24	41	32	5	12	30.21	30.32	15	BKN	070	10.00		68	61	64	78	17	15	29.96	30.06				
18	CLR	NC	10.00		46	26	38	46	10	15	30.16	30.28	18	OVC	050	10.00		66	61	63	84	9	17	29.97	30.08				
21	CLR	NC	10.00		41	31	37	67	7	17	30.14	30.26	21	OVC	060	10.00		63	60	61	90	8	13	30.00	30.11				
24	CLR	NC	10.00		37	33	35	86	5	15	30.11	30.22	24	OVC	080	10.00		59	58	58	96	9	12	29.97	30.08				
SUNRISE: 0718					JAN 04					SUNSET: 1735					SUNRISE: 0718					JAN 10					SUNSET: 1740				
03	CLR	NC	10.00		41	38	40	89	5	14	30.02	30.13	03	BKN	065	10.00		58	57	57	97	7	12	29.91	30.02				
06	CLR	NC	10.00		39	38	39	96	3	15	30.00	30.11	06	BKN	060	10.00		58	57	57	97	9	14	29.87	29.98				
09	BKN	038	10.00		53	47	50	80	6	16	29.98	30.10	09	BKN	250	1.00	BR	60	59	59	96	9	15	29.89	30.00				
12	OVC	037	10.00		65	51	57	61	11	18	29.93	30.04	12	OVC	055	10.00		69	60	64	73	15	15	29.81	29.92				
15	OVC	046	10.00		66	52	58	61	9	18	29.84	29.96	15	OVC	065	10.00		69	64	66	84	10	17	29.70	29.81				
18	OVC	040	10.00		64	54	58	70	11	17	29.81	29.92	18	OVC	020	10.00		69	65	66	87	7	19	29.70	29.81				
21	OVC	038	10.00		64	56	59	75	11	17	29.80	29.91	21	OVC	037	10.00		69	66	67	90	8	23	29.74	29.84				
24	OVC	045	10.00		64	58	60	81	11	16	29.77	29.88	24	SCT	012	10.00		67	64	65	91	5	21	29.75	29.85				
SUNRISE: 0718					JAN 05					SUNSET: 1736					SUNRISE: 0718					JAN 11					SUNSET: 1741				
03	OVC	034	10.00		65	59	61	81	8	17	29.74	29.85	03	BKN	003	1.00	BR	62	61	61	96	6	25	29.75	29.86				
06	BKN	045	10.00		64	60	62	87	7	19	29.72	29.83	06	SCT	005	2.00	BR	59	59	59	100	5	29	29.81	29.92				
09	OVC	065	6.00	-RA BR	64	62	63	93	10	26	29.81	29.92	09	SCT	250	8.00		59	56	57	90	11	33	29.93	30.04				
12	OVC	031	10.00		44	34	40	68	16	32	29.95	30.06	12	FEW	250	10.00		71	36	54	28	15	35	29.98	30.09				
15	BKN	250	10.00		49	30	41	48	21	33	29.96	30.07	15	FEW	250	10.00		73	30	52	20	13	33	29.94	30.05				
18	BKN	250	10.00		44	24	36	45	15	34	30.06	30.17	18	FEW	250	10.00		64	30	48	28	5	34	29.98	30.09				
21	SCT	250	10.00		39	21	33	48	18	34	30.18	30.29	21	FEW	250	10.00		51	36	44	56	0	00	30.02	30.13				
24	SCT	250	10.00		35	20	30	54	18	35	30.26	30.37	24	CLR	NC	10.00		46	35	41	66	0	00	30.02	30.12				
SUNRISE: 0718					JAN 06					SUNSET: 1737					SUNRISE: 0718					JAN 12					SUNSET: 1741				
03	SCT	250	10.00		30	18	26	61	21	01	30.34	30.45	03	CLR	NC	10.00		41	38	40	89	0	00	30.01	30.12				
06	SCT	250	10.00		28	17	25	63	13	35	30.40	30.52	06	CLR	NC	10.00		40	37	39	89	0	00	30.00	30.11				
09	CLR	NC	10.00		28	13	24	53	16	36	30.53	30.65	09	FEW	250	10.00		54	41	48	62	3	15	30.03	30.14				
12	OVC	250	10.00		34	8	26	34	18	01	30.55	30.67	12	SCT	250	10.00		71	31	52	23	16	15	29.98	30.09				
15	OVC	250	10.00		35	6	27	29	13	34	30.51	30.63	15	BKN	250	10.00		71	48	58	44	11	18	29.91	30.02				
18	OVC	250	10.00		32	6	25	33	7	34	30.53	30.64	18	OVC	250	10.00	-RA	64	52	57	65	9	14	29.88	29.99				
21	BKN	250	10.00		30	8	24	39	7	35	30.58	30.69	21	SCT	250	10.00		62	54	58	75	10	16	29.92	30.03				
24	BKN	250	10.00		28	10	23	47	5	35	30.55	30.67	24	OVC	015	10.00	-RA	64	60	62	87	5	18	29.83	29.93				

OBSERVATIONS AT 3-HOURLY INTERVALS

HOUSTON, TX
JANUARY 2014

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				
																										RELATIVE HUMIDITY (PCT)	SPEED (MPH)	DIRECTION Tens of Deg	STATION
SUNRISE: 0718					JAN 13					SUNSET: 1742					SUNRISE: 0717					JAN 19					SUNSET: 1747				
03	OVC	025	9.00	TSRA	65	64	64	97	10	27	29.75	29.86	03	OVC	003	0.50	BR	53	53	53	100	7	26	30.05	30.16				
06	OVC	008	10.00	-RA	65	64	64	97	5	VR	29.77	29.88	06	SCT	250	10.00		50	49	49	96	7	35	30.10	30.21				
09	BKN	018	10.00		66	64	65	93	14	27	29.78	29.89	09	CLR	NC	10.00		53	41	47	64	5	36	30.18	30.29				
12	CLR	NC	10.00		68	48	57	49	20	33	29.84	29.95	12	CLR	NC	10.00		64	34	50	33	3	VR	30.18	30.29				
15	CLR	NC	10.00		70	33	52	26	16	34	29.87	29.97	15	CLR	NC	10.00		67	25	48	20	10	33	30.08	30.19				
18	CLR	NC	10.00		63	26	47	25	13	31	29.93	30.03	18	CLR	NC	10.00		56	30	45	37	0	00	30.06	30.17				
21	CLR	NC	10.00		57	24	43	28	7	31	30.01	30.11	21	CLR	NC	10.00		48	33	41	56	0	00	30.06	30.17				
24	CLR	NC	10.00		46	33	40	61	0	00	30.02	30.13	24	CLR	NC	10.00		41	34	38	76	3	20	30.03	30.14				
SUNRISE: 0718					JAN 14					SUNSET: 1743					SUNRISE: 0717					JAN 20					SUNSET: 1748				
03	CLR	NC	10.00		41	34	38	76	0	00	29.98	30.10	03	FEW	250	10.00		40	35	38	83	0	00	29.98	30.10				
06	CLR	NC	10.00		36	33	35	89	0	00	29.97	30.09	06	SCT	250	10.00		42	40	41	92	0	00	29.94	30.06				
09	CLR	NC	10.00		48	37	43	66	5	23	30.03	30.15	09	BKN	250	1.00	BR	52	52	52	100	3	16	29.95	30.06				
12	CLR	NC	10.00		66	23	47	19	7	22	30.01	30.12	12	FEW	250	10.00		70	55	61	59	11	22	29.91	30.02				
15	CLR	NC	10.00		69	26	50	20	6	25	29.95	30.06	15	SCT	250	10.00		76	52	62	43	14	21	29.79	29.90				
18	CLR	NC	10.00		62	31	48	31	3	27	29.96	30.07	18	FEW	250	10.00		71	55	62	57	7	21	29.81	29.92				
21	CLR	NC	10.00		51	38	45	61	3	24	30.03	30.14	21	FEW	250	10.00		65	55	59	70	7	20	29.86	29.97				
24	FEW	250	10.00		54	35	45	49	15	35	30.11	30.22	24	CLR	NC	10.00		60	58	59	93	5	27	29.92	30.02				
SUNRISE: 0718					JAN 15					SUNSET: 1744					SUNRISE: 0717					JAN 21					SUNSET: 1749				
03	CLR	NC	10.00		50	31	42	48	16	34	30.18	30.29	03	CLR	NC	10.00		58	36	48	44	18	35	30.00	30.11				
06	CLR	NC	10.00		44	25	37	47	9	34	30.24	30.36	06	CLR	NC	10.00		53	25	41	34	20	36	30.11	30.22				
09	CLR	NC	10.00		46	25	38	44	9	31	30.29	30.42	09	CLR	NC	10.00		53	23	41	31	15	34	30.19	30.31				
12	FEW	250	10.00		55	21	41	26	9	30	30.26	30.37	12	CLR	NC	10.00		59	22	44	24	22	35	30.21	30.32				
15	CLR	NC	10.00		58	20	43	23	14	33	30.16	30.27	15	FEW	250	10.00		61	21	44	21	16	36	30.14	30.24				
18	CLR	NC	10.00		52	23	40	32	3	33	30.13	30.24	18	FEW	250	10.00		55	21	41	26	8	33	30.14	30.25				
21	CLR	NC	10.00		41	32	37	70	0	00	30.14	30.25	21	FEW	250	10.00		48	22	38	36	0	00	30.14	30.26				
24	CLR	NC	10.00		43	28	37	56	5	17	30.10	30.21	24	FEW	250	10.00		40	24	34	53	0	00	30.14	30.26				
SUNRISE: 0718					JAN 16					SUNSET: 1745					SUNRISE: 0716					JAN 22					SUNSET: 1750				
03	CLR	NC	10.00		44	28	38	53	5	20	30.06	30.16	03	CLR	NC	10.00		33	25	30	72	3	16	30.11	30.23				
06	CLR	NC	10.00		37	33	35	86	3	19	30.01	30.12	06	CLR	NC	10.00		34	24	30	67	3	18	30.06	30.18				
09	CLR	NC	10.00		49	40	45	71	0	00	30.06	30.16	09	FEW	250	10.00		43	31	38	63	0	00	30.10	30.21				
12	CLR	NC	10.00		64	39	52	40	13	23	30.03	30.14	12	SCT	250	10.00		61	28	46	29	8	21	30.06	30.19				
15	SCT	250	10.00		69	38	53	32	9	26	29.96	30.07	15	SCT	250	10.00		66	26	48	22	7	19	29.96	30.07				
18	SCT	250	10.00		61	41	51	48	3	28	29.98	30.09	18	BKN	250	10.00		61	43	52	52	10	12	29.95	30.06				
21	SCT	250	10.00		50	42	46	74	0	00	30.02	30.13	21	BKN	250	10.00		55	46	50	72	6	16	29.97	30.08				
24	SCT	250	10.00		51	42	47	71	0	00	30.06	30.17	24	BKN	220	10.00		52	48	50	86	6	12	29.98	30.09				
SUNRISE: 0718					JAN 17					SUNSET: 1746					SUNRISE: 0716					JAN 23					SUNSET: 1751				
03	BKN	250	10.00		49	38	44	66	8	34	30.06	30.18	03	BKN	220	10.00		49	47	48	93	5	05	29.98	30.09				
06	CLR	NC	10.00		48	26	39	42	9	35	30.11	30.23	06	BKN	220	10.00		51	49	50	92	5	06	30.03	30.15				
09	CLR	NC	10.00		52	21	40	30	9	36	30.19	30.31	09	OVC	070	8.00		54	51	52	90	7	07	30.11	30.22				
12	FEW	250	10.00		61	18	44	19	14	35	30.19	30.31	12	OVC	009	5.00	-RA BR	53	49	51	86	15	03	30.16	30.28				
15	FEW	250	10.00		63	17	45	17	11	36	30.14	30.26	15	OVC	015	3.00	RA BR	43	40	42	89	17	02	30.22	30.33				
18	CLR	NC	10.00		55	18	41	23	5	34	30.16	30.28	18	OVC	017	6.00	RA BR	37	34	36	89	22	02	30.35	30.46				
21	CLR	NC	10.00		45	23	37	42	0	00	30.19	30.30	21	OVC	012	6.00	-RA BR	35	33	34	93	18	02	30.45	30.56				
24	CLR	NC	10.00		40	23	34	51	0	00	30.16	30.28	24	OVC	014	7.00	-RA	33	32	33	96	18	02	30.50	30.62				
SUNRISE: 0717					JAN 18					SUNSET: 1746					SUNRISE: 0716					JAN 24					SUNSET: 1752				
03	CLR	NC	10.00		34	28	32	79	0	00	30.16	30.27	03	OVC	042	7.00	-FZRASN	31	29	30	92	15	02	30.51	30.63				
06	CLR	NC	10.00		32	28	31	85	0	00	30.14	30.26	06	OVC	018	6.00	-FZRA BR	29	27	28	92	20	01	30.53	30.66				
09	CLR	NC	10.00		47	31	40	54	6	15	30.16	30.27	09	OVC	008	10.00		28	24	27	85	17	01	30.56	30.68				
12	FEW	250	10.00		63	29	48	28	11	17	30.11	30.23	12	OVC	026	10.00		31	24	29	76	10	01	30.53	30.64				
15	SCT	050	10.00		68	43	55	40	8	19	30.02	30.13	15	OVC	026	10.00		35	27	32	72	9	01	30.42	30.54				
18	FEW	060	10.00		62	46	54	56	5	17	30.02	30.13	18	OVC	030	10.00		34	24	30	67	5	35	30.37	30.49				
21	CLR	NC	10.00		54	48	51	80	0	00	30.05	30.16	21	FEW	250	10.00		30	25	28	82	0	00	30.32	30.43				
24	CLR	NC	10.00		50	47	48	89	6	22	30.03	30.15	24	FEW	250	10.00		30	25	28	82	0	00	30.27	30.38				

OBSERVATIONS AT 3-HOURLY INTERVALS

HOUSTON, TX
JANUARY 2014

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 JAN 25 SUNSET: 1752					03	FEW	250	10.00		30	24	28	79	3	23	30.22	30.33
06	FEW	250	10.00		30	24	28	79	5	23	30.16	30.28					
09	SCT	250	10.00		35	28	32	76	9	23	30.16	30.27					
12	SCT	250	10.00		49	31	41	50	9	28	30.10	30.21					
15	BKN	250	10.00		61	30	47	31	7	27	29.98	30.09					
18	BKN	250	10.00		56	34	46	44	5	24	29.97	30.09					
21	BKN	200	10.00		53	38	46	57	0	00	29.96	30.08					
24	BKN	200	10.00		46	39	43	77	3	20	29.94	30.05					
SUNRISE: 0715 JAN 26 SUNSET: 1753					03	BKN	250	10.00		48	39	44	71	5	19	29.89	30.00
06	BKN	250	10.00		49	40	45	71	5	20	29.88	29.99					
09	SCT	120	10.00		53	42	48	66	6	20	29.86	29.97					
12	FEW	120	10.00		65	42	53	43	13	19	29.81	29.93					
15	FEW	100	10.00		70	46	57	42	8	20	29.69	29.80					
18	CLR	NC	10.00		66	46	55	49	8	20	29.66	29.77					
21	BKN	017	10.00		64	58	60	81	7	20	29.69	29.79					
24	BKN	011	10.00		60	58	59	93	5	16	29.70	29.80					
SUNRISE: 0714 JAN 27 SUNSET: 1754					03	BKN	009	10.00		57	57	57	100	0	00	29.70	29.80
06	SCT	007	10.00		57	55	56	93	3	25	29.73	29.83					
09	SCT	150	10.00		56	49	52	77	14	02	29.83	29.94					
12	OVC	022	10.00		58	46	52	65	17	36	29.92	30.03					
15	BKN	250	10.00		60	41	51	50	16	02	29.89	30.00					
18	OVC	250	10.00		55	34	45	45	16	36	29.96	30.07					
21	OVC	040	10.00		52	29	42	41	14	02	30.01	30.12					
24	OVC	044	10.00		49	26	40	41	10	02	30.03	30.15					
SUNRISE: 0714 JAN 28 SUNSET: 1755					03	BKN	150	10.00		44	16	34	32	10	03	30.05	30.16
06	BKN	120	10.00	-RA	37	19	31	48	17	03	30.11	30.23					
09	OVC	100	10.00	-FZRA	31	26	29	82	14	03	30.22	30.33					
12	OVC	090	3.00	-FZRA	30	23	28	75	16	01	30.27	30.39					
15	OVC	100	10.00	-FZDZ	32	22	29	66	15	36	30.22	30.33					
18	OVC	100	10.00		33	18	28	54	6	36	30.24	30.36					
21	OVC	120	10.00		34	19	29	54	0	00	30.29	30.41					
24	BKN	220	10.00		34	19	29	54	6	01	30.32	30.44					
SUNRISE: 0713 JAN 29 SUNSET: 1756					03	BKN	250	10.00		31	18	27	59	9	02	30.32	30.43
06	BKN	230	10.00		30	18	26	61	5	03	30.32	30.45					
09	OVC	200	10.00		32	18	27	56	6	03	30.38	30.50					
12	OVC	250	10.00		37	16	30	42	6	05	30.37	30.49					
15	SCT	250	10.00		41	14	32	33	3	VR	30.27	30.39					
18	FEW	250	10.00		36	18	30	48	5	12	30.26	30.38					
21	FEW	250	10.00		34	18	29	52	6	17	30.24	30.36					
24	FEW	250	10.00		32	19	28	59	3	17	30.22	30.33					
SUNRISE: 0713 JAN 30 SUNSET: 1757					03	CLR	NC	10.00		26	20	24	78	0	00	30.16	30.27
06	BKN	037	10.00		32	20	28	61	8	12	30.11	30.23					
09	OVC	039	10.00		38	29	34	70	6	14	30.10	30.21					
12	OVC	039	10.00		53	40	47	61	15	15	30.05	30.16					
15	OVC	035	10.00		58	44	51	60	13	17	29.94	30.05					
18	OVC	037	10.00		56	46	51	70	13	16	29.89	30.00					
21	OVC	033	10.00		56	49	52	77	9	14	29.88	29.99					
24	OVC	036	10.00		57	52	54	83	7	16	29.87	29.98					

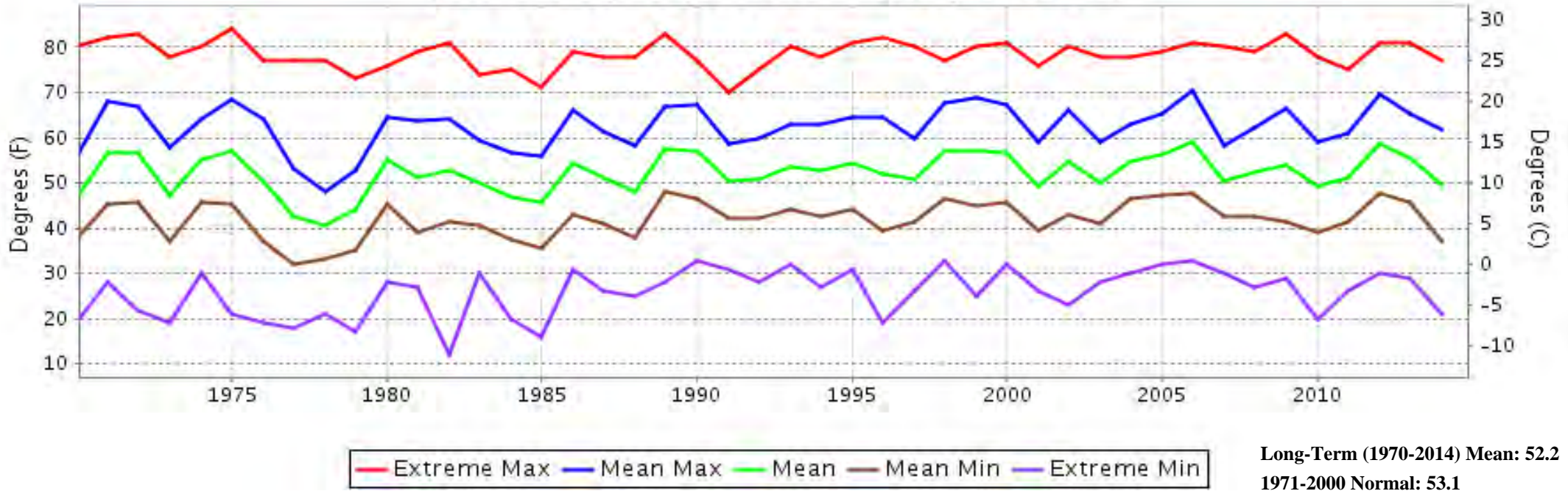
HOUR (LST)	SKY COVER	CEILING 100's of FT.	VISIBILITY (MILES)	WEATHER	TEMPERATURE °F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES, HG)						
					DRY BULB	DEW POINT	WET BULB		SPEED (MPH)	DIRECTION Tens of Deg	STATION	SEA LEVEL					
SUNRISE: 0712 JAN 31 SUNSET: 1758					03	OVC	040	10.00		59	54	56	83	13	17	29.85	29.96
06	BKN	039	10.00		57	55	56	93	8	17	29.84	29.95					
09	BKN	044	10.00		62	57	59	84	9	18	29.88	29.98					
12	OVC	042	10.00		70	60	64	71	15	17	29.87	29.98					
15	OVC	044	10.00		70	59	63	68	18	15	29.82	29.93					
18	OVC	049	10.00		67	58	62	73	15	17	29.82	29.92					
21	BKN	021	10.00		63	58	60	84	14	15	29.82	29.93					
24	BKN	040	10.00		63	58	60	84	11	16	29.80	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.

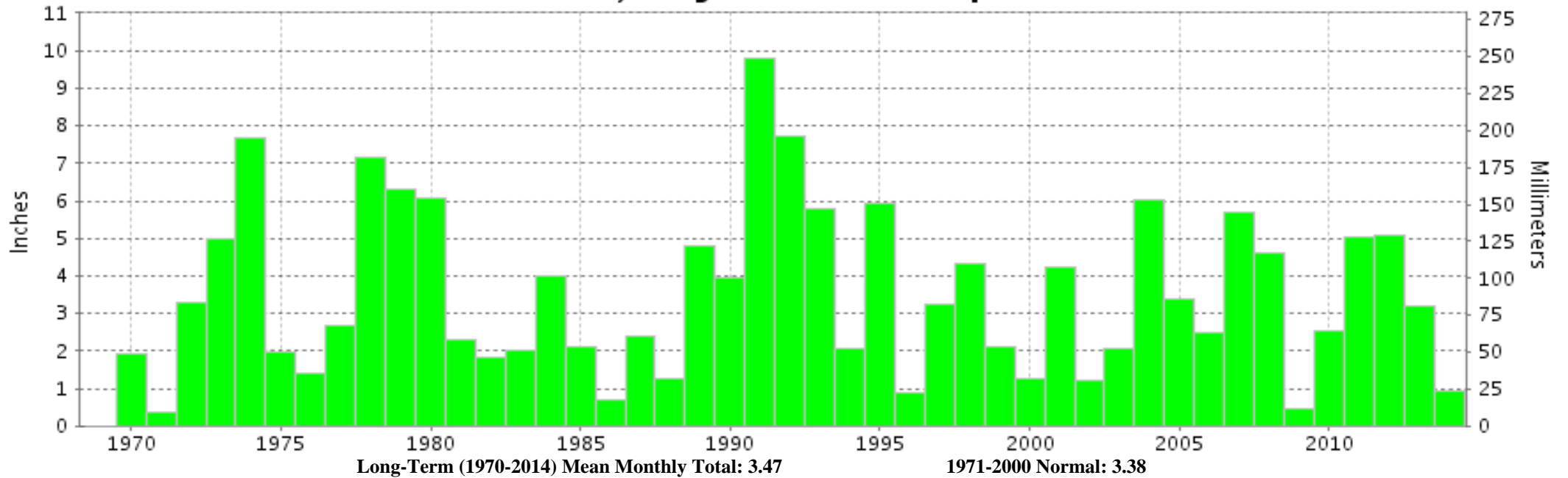
SUMMARY BY HOUR

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	46	38	42	76	30.08	30.19	9.60	6	2	09
02	45	38	42	76	30.07	30.18	9.71	6	1	08
03	45	38	42	77	30.07	30.18	9.21	7	0	06
04	44	37	42	79	30.06	30.18	9.32	6	0	01
05	44	37	41	77	30.06	30.18	9.65	6	0	06
06	44	36	41	78	30.07	30.19	9.61	7	1	08
07	43	36	40	78	30.08	30.20	9.84	6	1	08
08	44	37	41	79	30.10	30.22	9.50	7	0	06
09	48	38	44	71	30.12	30.23	9.16	9	0	07
10	51	37	45	63	30.14	30.25	9.68	10	0	07
11	54	36	46	55	30.13	30.25	9.65	12	1	08
12	56	35	47	50	30.11	30.22	9.39	13	0	32
13	58	35	47	47	30.07	30.19	9.32	12	1	28
14	59	35	48	45	30.05	30.16	9.65	13	2	27
15	59	35	48	45	30.04	30.15	9.77	12	1	28
16	59	35	48	45	30.04	30.15	9.55	11	1	28
17	57	35	47	47	30.04	30.15	9.81	11	0	29
18	54	36	46	53	30.05	30.16	9.87	9	1	08
19	53	37	46	59	30.05	30.17	9.90	7	1	08
20	51	38	45	62	30.06	30.18	9.94	7	1	08
21	50	38	45	66	30.07	30.18	9.87	6	1	08
22	49	39	45	70	30.07	30.19	9.84	6	2	08
23	48	39	44	71	30.08	30.19	9.94	7	1	08
24	47	39	44	74	30.07	30.18	9.90	6	1	08

HOUSTON, TX JANUARY Temperatures



HOUSTON, TX JANUARY Precipitation





**JANUARY 2014
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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We welcome your questions or comments, please contact us at:
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Asheville, NC 28801-5001