



# DECEMBER 2007 LOCAL CLIMATOLOGICAL DATA

NOAA, National Climatic Data Center

HOUSTON, TX  
G BUSH INTERCONTINENTAL AP/HOUSTON AP (KIAH)  
Lat:29° 59'N Long: 95° 21'W Elev (Ground) 94 Feet  
Time Zone : CENTRAL WBAN: 12960 ISSN#: 0198-5094



DECEMBER 2007  
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					
																			5-SEC		2-MIN			
																			SPEED 20	DIR 21	SPEED 22	DIR 23		
01	74	58	66	9	62	64	0	1	RA BR HZ	0		0.0	T	29.96	30.08	10.6	14	10.7	24	13	21	14	01	
02	79	62	71	15	65	67	0	6	RA BR	0		0.0	0.08	30.03	30.12	2.6	21	8.2	29	36	24	35	02	
03	62	39	51	-5	33	43	14	0		0		0.0	0.00	30.29	30.39	10.1	35	10.5	28	36	23	36	03	
04	64	33	49	-7	34	42	16	0		0		0.0	0.00	29.96	30.12	1.8	22	2.6	10	23	8	19	04	
05	75	41	58	2	44	50	7	0		0		0.0	0.00	29.80	29.93	1.8	26	2.6	15	27	12	24	05	
06	70	47	59	4	51	54	6	0	BR	0		0.0	0.00	29.91	30.02	6.6	12	7.8	21	14	17	14	06	
07	82	54	68	13	64	66	0	3	MIFG BR	0		0.0	0.00	29.88	30.00	7.7	17	7.9	22	18	17	17	07	
08	83	72	78	23	68	70	0	13	RA BR HZ	0		0.0	T	29.95	30.06	10.7	15	10.8	25	14	21	15	08	
09	82	69	76	21	69	70	0	11	RA BR	0		0.0	T	30.01	30.11	9.7	13	10.0	22	14	17	12	09	
10	75	56	66	11	64	65	0	1	RA BR HZ	0		0.0	0.11	29.99	30.11	4.1	12	8.3	22	14	18	14	10	
11	83*	72	78*	24	68	70	0	13	RA	0		0.0	T	29.93	30.05	12.1	16	12.5	28	15	21	16	11	
12	72	47	60	6	58	59	5	0	RA BR	0		0.0	0.36	29.99	30.10	6.0	33	8.4	18	33	16	33	12	
13	60	45	53	-1	48	51	12	0	RA BR	0		0.0	0.14	30.05	30.17	8.4	36	9.2	16	36	14	30	13	
14	67	55	61	7	57	58	4	0	RA BR	0		0.0	T	29.91	30.05	8.7	10	9.3	20	11	16	12	14	
15	71	40	56	2	45	51	9	0	TS TSRA RA BR SQ	0		0.0	0.76	29.91	30.02	11.8	31	17.3	38*	32	30*	32	15	
16	53	34	44	-9	28	37	21	0		0		0.0	0.00	30.24	30.33	6.2	33	7.2	24	31	20	32	16	
17	58	31	45	-8	36	41	20	0		0		0.0	0.00	30.19	30.33	6.3	13	6.6	18	13	16	12	17	
18	75	51	63	10	54	57	2	0	RA	0		0.0	T	30.03	30.17	2.7	17	5.4	17	24	13	23	18	
19	76	52	64	11	61	63	1	0	RA FG+ FG MIFG BR HZ	0		0.0	0.14	29.93	30.06	4.1	17	5.0	17	17	14	16	19	
20	79	49	64	11	51	59	1	0	TS TSRA RA BR	0		0.0	0.05	29.76	29.88	6.6	25	8.3	21	28	16	27	20	
21	75	42	59	6	47	53	6	0		0		0.0	0.00	29.74	29.87	5.3	15	5.5	18	16	14	14	21	
22	75	41	58	5	43	53	7	0	RA BR	0		0.0	0.13	29.89	29.95	9.5	30	13.0	36	31	28	32	22	
23	54	31*	43*	-10	23	35	22	0		0		0.0	0.00	30.21	30.32	4.4	34	6.1	25	32	23	32	23	
24	61	33	47	-5	30	39	18	0		0		0.0	0.00	30.11	30.24	2.1	09	3.9	14	13	12	11	24	
25	62	33	48	-4	30	40	17	0		0		0.0	0.00	29.96	30.10	3.9	11	5.8	15	14	14	11	25	
26	66	41	54	2	45	49	11	0	TS TSRA RA BR	0		0.0	0.14	29.80	29.91	5.7	31	11.4	37	30	29	31	26	
27	56	33	45	-7	40	43	20	0	RA BR	0		0.0	T	29.82	29.95	7.4	11	8.5	26	11	21	11	27	
28	63	46	55	3	40	47	10	0	RA BR	0		0.0	0.15	29.96	30.06	8.2	33	9.1	30	33	24	33	28	
29	55	41	48	-4	38	43	17	0		0		0.0	0.00	29.99	30.10	4.5	04	5.8	15	05	12	05	29	
30	70	37	54	2	35	43	11	0	BR	0		0.0	0.00	29.93	30.04	2.5	31	3.1	15	31	13	31	30	
31	73	37	55	3	39	47	10	0	MIFG BR	0		0.0	0.00	30.03	30.11	3.2	32	6.9	28	01	22	36	31	
69.4		45.9	57.7	Σ	47.4	52.5	8.6	1.5	< MONTHLY AVERAGES   TOTALS >		0.0	2.06	29.97	30.09	0.7	12	8.0	< MONTHLY AVERAGES						
4.8		3.1	4.0		<----- DEPARTURE FROM NORMAL ----->							-1.63	SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3											
<b>DEGREE DAYS</b>									GREATEST 24-HR PRECIPITATION : 0.76 DATE : 15				SEA LEVEL PRESSURE				DATE TIME							
MONTHLY									GREATEST 24-HR SNOWFALL : 0.0 DATE :				MAXIMUM : 30.50				03 1053							
TOTAL DEPARTURE									GREATEST SNOW DEPTH : 0 DATE :				MINIMUM : 29.75				22 0455							
SEASON TO DATE									NUMBER OF -> DAYS WITH				MAXIMUM TEMP >= 90 : 0		MINIMUM TEMP <= 32 : 2		PRECIPITATION >= 0.01 INCH : 10							
TOTAL DEPARTURE									MAXIMUM TEMP <= 32 : 0		MINIMUM TEMP <= 0 : 0		PRECIPITATION >= 0.10 INCH : 8		SNOWFALL >= 1.0 INCH : 0									
HEATING : 267 -100									THUNDERSTORMS : 3		HEAVY FOG : 1													
COOLING : 48 123																								

# HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

HOUSTON, TX (KIAH)  
DECEMBER 2007

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	T	T	
02													02	T	0.01	0.06	0.01	T	T						02	0.08	0.08	
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											T	08	T	T	
09	T	T											09												09	T	T	
10					T	0.04	T	T	T				10		0.01	0.06	T								10	0.11	0.11	
11													11												11	T	T	
12									T	0.09	0.11	0.02	T	12	0.12	0.02					T			T	12	0.36	0.36	
13	T	T	0.02	0.08	0.04								13												13	0.14	0.14	
14													14											T	14	T	T	
15							0.17	0.47	0.11	0.01			15											T	15	0.76	0.76	
16													16												16	0.00	0.00	
17													17												17	0.00	0.00	
18						T							18												18	T	T	
19													19												19	0.14	0.14	
20							0.05	T					20						T	0.01		0.11	0.01		20	0.05	0.05	
21													21												21	0.00	0.00	
22								T	T	0.09	0.04		22												22	0.13	0.13	
23													23												23	0.00	0.00	
24													24												24	0.00	0.00	
25													25												25	0.00	0.00	
26								T	0.01	0.11	0.02	T	26		T										26	0.14	0.14	
27													27												27	T	T	
28	T	0.08	0.03	0.03	0.01								28												28	0.15	0.15	
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)	0.25	0.38	0.40	0.41	0.44	0.61	0.64	0.67	0.71	0.73	0.76	0.76
Ending Date	15	15	15	15	15	15	15	15	15	15	15	15
Ending Time (Hr/Min)	0731	0731	0732	0738	0738	0738	0749	0808	0825	0851	0900	0900

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.

Water Equivalent of snow on the ground is reported only when the depth is 2 or more inches.

NORMALS ARE FOR THE YEARS 1971-2000

## 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 DECEMBER 2007

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).

Satellite data are used to derive cloudiness above 12,000 feet. Effective Cloud Amount is based on the cloud cover and the transparency of the clouds within the satellite field of view (approx. 31x31 miles).

Sky Condition is based on the sum (not to exceed 8) of the sunrise to sunset cloud cover below and above 12,000 feet. Both ceilometer and satellite data must be present to compute Sky Condition. 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.

Dew Point is the temperature to which the air must be cooled to achieve 100% relative humidity. Wet Bulb is the temperature the air would have if cooled to saturation at constant pressure by evaporation of water into it.

Snow Depth, Snowfall, and Sunshine data may come from nearby sites that the National Weather Service deems Climatologically representative of this site.

## ADDITIONAL NOTES:

Date	SUNSHINE		CLOUDINESS (OKTAS)				VISIBILITY (MILES)		RESERVED
	TOTAL MINUTES	PERCENT POSSIBLE	SR-SS		MN-MN		MINIMUM	MAXIMUM	
			Sky Cover	Satellite	Sky Cover	Satellite			
01							5.00	10.00	
02							3.00	10.00	
03							8.00	10.00	
04							10.00	10.00	
05							10.00	10.00	
06							1.25	10.00	
07							4.00	10.00	
08							4.00	10.00	
09							2.00	10.00	
10							0.50	9.00	
11							0.50	10.00	
12							1.50	10.00	
13							4.00	10.00	
14							1.00	10.00	
15							5.00	10.00	
16							4.00	10.00	
17							9.00	10.00	
18							8.00	10.00	
19							0.50	10.00	
20							3.00	10.00	
21							9.00	10.00	
22							2.50	10.00	
23							10.00	10.00	
24							10.00	10.00	
25							10.00	10.00	
26							2.00	10.00	
27							2.50	10.00	
28							2.00	10.00	
29							1.00	10.00	
30							6.00	10.00	
31							5.00	10.00	
MONTHLY AVGS							4.65	9.97	
<b>SUNSHINE (Minutes)</b>									
Total : 0					Possible : 19079				
Percent Possible : 0									
<b>NUMBER OF DAYS WITH :</b>									
SKY CONDITION									
Clear		Partly CLDY			Cloudy			Missing	
<b>MINIMUM VISIBILITY (MILES)</b>									
<= .25			<= 3.0				>= 7.0		
0			14				9		

# OBSERVATIONS AT 3-HOURLY INTERVALS

# HOUSTON, TX

## DECEMBER 2007

## KIAH

## WBAN # 12960

HOUR (LST)	SKY COVER	CEILING 100's of FT.	SATELLITE		WEATHER	TEMPERATURE °F			WIND SPEED (MPH) DIRECTION Tens of Deg	PRESSURE (INCHES, HG)		HOUR (LST)	SKY COVER	CEILING 100's of FT.	SATELLITE		WEATHER	TEMPERATURE °F			WIND SPEED (MPH) DIRECTION Tens of Deg	PRESSURE (INCHES, HG)							
			Observation Time (LST)	Eff Cld Amt Oktas		VISIBILITY (MILES)	DRY BULB	DEW POINT		WET BULB	RELATIVE HUMIDITY (PCT)				STATION	SEA LEVEL		Observation Time (LST)	Eff Cld Amt Oktas	VISIBILITY (MILES)		DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	STATION	SEA LEVEL		
																												WEATHER	WEATHER
SUNRISE: 0660						DEC 01						SUNSET: 1721																	
03	BKN	250			7.00		61	57	59	87	9	12	30.05	30.16	03	BKN	250			10.00		58	57	57	97	5	15	29.88	29.99
06	BKN	250			6.00	BR	60	57	58	90	0	00	30.05	30.16	06	BKN	034			6.00	BR	59	59	59	100	3	15	29.89	30.00
09	BKN	250			6.00	HZ	64	59	61	84	10	12	30.03	30.15	09	BKN	250			4.00	BR	66	64	65	93	7	16	29.92	30.03
12	OVC	048			8.00		72	63	66	73	15	12	29.98	30.09	12	BKN	250			10.00		78	68	71	71	10	19	29.91	30.02
15	OVC	039			9.00		71	65	67	81	13	13	29.90	30.01	15	BKN	060			10.00		81	66	71	60	11	17	29.84	29.95
18	BKN	036			10.00		73	65	68	76	13	16	29.89	30.00	18	SCT	060			9.00		75	68	70	79	13	16	29.86	29.97
21	BKN	040			9.00		72	67	69	84	8	17	29.93	30.03	21	OVC	050			6.00	BR	73	69	70	87	9	17	29.90	30.01
24	SCT	022			8.00		70	67	68	90	9	16	29.92	30.03	24	OVC	040			8.00		74	69	71	84	10	18	29.92	30.02
SUNRISE: 0700						DEC 02						SUNSET: 1721																	
03	BKN	015			7.00		70	67	68	90	9	16	29.91	30.01	03	OVC	042			8.00		73	69	70	87	7	17	29.91	30.02
06	OVC	019			9.00		71	68	69	90	7	17	29.92	30.03	06	OVC	048			7.00		72	69	70	90	7	15	29.94	30.04
09	OVC	013			10.00		74	69	71	84	13	18	29.98	30.09	09	OVC	020			6.00	HZ	74	69	71	84	6	17	30.00	30.10
12	OVC	055			10.00		79	68	72	69	10	22	30.00	30.11	12	BKN	055			10.00		78	67	71	69	11	17	30.00	30.10
15	OVC	055			3.00	RA BR	74	71	72	90	8	29	29.98	30.09	15	BKN	060			10.00		78	69	72	74	11	12	29.94	30.04
18	BKN	250			6.00	BR	71	70	70	97	0	00	30.02	30.13	18	BKN	038			10.00		73	69	70	87	13	13	29.93	30.04
21	BKN	065			10.00		72	63	66	73	15	35	30.10	30.21	21	OVC	012			8.00		73	69	70	87	18	14	29.95	30.06
24	FEW	085			10.00		63	40	52	43	17	34	30.18	30.29	24	OVC	008			7.00	-RA	73	69	70	87	11	14	29.97	30.08
SUNRISE: 0701						DEC 03						SUNSET: 1721																	
03	FEW	085			10.00		53	36	45	53	15	35	30.26	30.37	03	BKN	050			6.00	BR	71	69	70	93	11	14	29.96	30.07
06	CLR	NC			10.00		45	32	40	60	14	36	30.32	30.43	06	BKN	015			6.00	BR	71	69	70	93	6	13	29.98	30.09
09	CLR	NC			10.00		48	31	41	52	15	36	30.38	30.49	09	OVC	008			4.00	BR	73	70	71	90	6	14	30.05	30.15
12	CLR	NC			10.00		57	30	45	36	14	01	30.37	30.47	12	BKN	250			10.00		80	69	73	69	13	15	30.03	30.15
15	FEW	250			10.00		61	26	46	26	11	36	30.27	30.39	15	BKN	250			10.00		78	68	71	71	14	11	29.97	30.08
18	FEW	250			10.00		52	29	42	41	5	01	30.26	30.37	18	SCT	250			7.00		72	69	70	90	14	14	29.98	30.10
21	CLR	NC			10.00		46	31	40	56	3	34	30.26	30.37	21	OVC	015			3.00	BR	71	69	70	93	7	12	30.03	30.14
24	CLR	NC			10.00		40	34	37	79	0	00	30.22	30.34	24	OVC	001			2.00	BR	70	69	69	97	7	15	30.03	30.15
SUNRISE: 0702						DEC 04						SUNSET: 1721																	
03	CLR	NC			10.00		36	32	34	85	0	00	30.18	30.29	03	OVC	003			0.50	BR	70	69	69	97	7	12	30.02	30.13
06	CLR	NC			10.00		34	32	33	92	0	00	30.14	30.24	06	OVC	005			1.00	-RA BR	60	58	59	93	7	35	30.03	30.14
09	FEW	250			10.00		44	36	41	74	0	00	30.13	30.24	09	OVC	003			0.50	BR	57	55	56	93	5	35	30.08	30.19
12	SCT	250			10.00		56	29	44	36	5	22	30.06	30.17	12	OVC	005			2.50	HZ	65	59	61	81	3	35	30.05	30.16
15	SCT	250			10.00		62	30	47	30	5	VR	29.92	30.03	15	BKN	250			4.00	-RA	69	64	66	84	6	03	29.96	30.07
18	FEW	250			10.00		52	37	45	57	3	20	29.87	29.98	18	BKN	010			7.00		72	69	70	90	14	14	29.96	30.07
21	CLR	NC			10.00		50	38	44	64	3	18	29.83	29.93	21	OVC	026			9.00		72	68	69	87	14	15	29.97	30.08
24	FEW	250			10.00		48	40	44	74	6	20	29.80	29.91	24	OVC	025			8.00		72	68	69	87	11	14	29.97	30.08
SUNRISE: 0703						DEC 05						SUNSET: 1722																	
03	FEW	250			10.00		42	39	41	89	0	00	29.80	29.91	03	OVC	036			10.00		73	69	70	87	11	14	29.94	30.05
06	FEW	250			10.00		47	42	45	83	3	VR	29.77	29.88	06	BKN	027			10.00		73	68	70	84	14	15	29.93	30.03
09	CLR	NC			10.00		56	45	50	67	7	25	29.80	29.91	09	OVC	250			10.00		74	68	70	82	14	15	29.97	30.08
12	CLR	NC			10.00		70	44	56	39	9	22	29.80	29.91	12	BKN	048			10.00		80	66	71	62	20	17	29.95	30.06
15	CLR	NC			10.00		75	44	58	33	7	29	29.76	29.86	15	BKN	250			10.00		80	66	71	62	13	16	29.89	30.00
18	CLR	NC			10.00		61	49	55	65	0	00	29.79	29.90	18	OVC	050			10.00		76	67	70	74	15	16	29.91	30.02
21	CLR	NC			10.00		52	48	50	86	0	00	29.84	29.95	21	BKN	055			10.00	-RA	74	69	71	84	6	17	29.97	30.07
24	CLR	NC			10.00		51	48	49	90	0	00	29.86	29.97	24	OVC	029			7.00		72	70	71	93	7	15	29.98	30.09
SUNRISE: 0703						DEC 06						SUNSET: 1722																	
03	FEW	020			10.00		49	45	47	86	0	00	29.89	30.00	03	OVC	020			7.00		72	70	71	93	5	16	29.96	30.06
06	CLR	NC			10.00		49	45	47	86	7	07	29.94	30.05	06	OVC	022			5.00	BR	71	69	70	93	3	15	29.96	30.07
09	FEW	250			10.00		52	46	49	80	11	09	29.98	30.09	09	OVC	020			2.50	-RA BR	64	62	63	93	9	34	30.02	30.13
12	SCT	250			10.00		64	51	57	63	13	14	29.95	30.06	12	OVC	017			5.00	BR	59	56	57	90	11	31	30.03	30.14
15	BKN	250			10.00		69	56	61	63	10	14	29.88	29.99	15	OVC	005			10.00		57	54	55	90	10	33	29.98	30.09
18	SCT	250			10.00		63	58	60	84	11	14	29.87	29.98	18	OVC	005			10.00		54	51	52	90	9	35	29.98	30.09
21	SCT	250			5.00	BR	59	57	58	93	7	13	29.88	29.99	21	OVC	005			8.00		50	48	49	93	9	32	30.02	30.13
24	SCT	250			1.25	BR	55	54	54	96	0	00	29.90	30.01	24	OVC	007			2.50	BR	47	45	46	93	13	34	30.03	30.15

# OBSERVATIONS AT 3-HOURLY INTERVALS

## HOUSTON, TX

### DECEMBER 2007

### KIAH

### WBAN # 12960

HOUR (LST)	SKY COVER	CEILING 100's of FT.	SATELLITE		WEATHER	TEMPERATURE °F			WIND SPEED (MPH) DIRECTION Tens of Deg	PRESSURE (INCHES, HG)		HOUR (LST)	SKY COVER	CEILING 100's of FT.	SATELLITE		WEATHER	TEMPERATURE °F			WIND SPEED (MPH) DIRECTION Tens of Deg	PRESSURE (INCHES, HG)							
			Observation Time (LST)	Eff Cld Amt Oktas		VISIBILITY (MILES)	DRY BULB	DEW POINT		WET BULB	RELATIVE HUMIDITY (PCT)				STATION	SEA LEVEL		Observation Time (LST)	Eff Cld Amt Oktas	VISIBILITY (MILES)		DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	STATION	SEA LEVEL		
																												WEATHER	WEATHER
<b>SUNRISE: 0708 DEC 13</b>						<b>SUNSET: 1723</b>						<b>SUNRISE: 0712 DEC 19</b>						<b>SUNSET: 1725</b>											
03	OVC	027			8.00	-RA	46	44	45	93	13	34	30.03	30.16	03	SCT	015			0.50	FG	54	53	53	96	3	36	30.01	30.12
06	OVC	060			10.00		46	43	45	89	9	36	30.05	30.16	06	OVC	035			2.00	BR	55	54	54	96	0	00	30.01	30.12
09	OVC	006			10.00		48	45	47	89	7	34	30.11	30.22	09	OVC	002			2.00	BR	63	61	62	93	0	00	30.03	30.15
12	BKN	080			10.00		57	49	53	75	7	36	30.10	30.21	12	OVC	130			8.00		72	64	67	76	6	24	30.01	30.12
15	BKN	250			10.00		58	49	53	72	6	VR	30.03	30.14	15	OVC	250			10.00		75	64	68	69	5	20	29.90	30.01
18	OVC	016			10.00		56	50	53	80	10	36	30.03	30.14	18	OVC	130			10.00		72	65	68	79	9	17	29.86	29.97
21	OVC	080			10.00		55	50	52	83	7	01	30.06	30.17	21	OVC	045			10.00		70	66	67	87	11	16	29.86	29.97
24	OVC	012			10.00		56	51	53	83	7	05	30.05	30.16	24	OVC	055			10.00		70	67	68	90	9	17	29.84	29.95
<b>SUNRISE: 0709 DEC 14</b>						<b>SUNSET: 1723</b>						<b>SUNRISE: 0712 DEC 20</b>						<b>SUNSET: 1726</b>											
03	OVC	004			2.00	BR	55	53	54	93	7	05	30.03	30.14	03	BKN	090			10.00		69	66	67	90	6	19	29.78	29.89
06	OVC	004			2.00		55	54	54	96	9	08	30.02	30.13	06	OVC	060			10.00		70	66	67	87	13	22	29.76	29.87
09	OVC	005			2.00		56	54	55	93	11	10	30.01	30.11	09	BKN	100			8.00		70	66	67	87	9	25	29.78	29.88
12	OVC	007			6.00	BR	60	57	58	90	9	12	30.00	30.11	12	CLR	NC			10.00		75	53	62	46	11	29	29.75	29.86
15	OVC	009			10.00		65	60	62	84	11	12	29.89	30.00	15	CLR	NC			10.00		78	35	56	21	11	26	29.67	29.78
18	OVC	007			10.00		64	61	62	90	13	12	29.87	29.97	18	CLR	NC			10.00		68	37	53	32	9	30	29.74	29.85
21	OVC	005			1.50	BR	64	62	63	93	11	12	29.86	29.96	21	CLR	NC			10.00		60	39	50	46	5	36	29.80	29.90
24	OVC	003			1.50	BR	67	65	66	93	5	15	29.81	29.92	24	CLR	NC			10.00		50	43	47	77	0	00	29.81	29.92
<b>SUNRISE: 0710 DEC 15</b>						<b>SUNSET: 1724</b>						<b>SUNRISE: 0713 DEC 21</b>						<b>SUNSET: 1726</b>											
03	BKN	060			10.00		70	65	67	84	10	18	29.74	29.85	03	CLR	NC			10.00		47	41	44	80	0	00	29.80	29.91
06	BKN	250			10.00		71	65	67	81	9	19	29.65	29.76	06	CLR	NC			10.00		44	41	43	89	0	00	29.81	29.92
09	OVC	050			5.00	RA BR	58	54	56	87	14	33	29.81	29.92	09	BKN	250			10.00		52	46	49	80	3	15	29.84	29.96
12	SCT	032			10.00		59	46	52	62	21	32	29.90	30.00	12	BKN	250			10.00		70	40	55	34	10	16	29.79	29.90
15	SCT	250			10.00		55	36	46	49	29	31	29.91	30.02	15	SCT	250			10.00		74	43	57	33	8	16	29.71	29.82
18	FEW	250			10.00		47	30	40	52	21	31	30.00	30.11	18	SCT	250			10.00		64	50	56	61	8	13	29.70	29.81
21	FEW	250			10.00		42	27	36	55	20	32	30.11	30.23	21	SCT	250			10.00		61	54	57	78	6	12	29.71	29.82
24	FEW	250			10.00		40	26	35	57	17	32	30.14	30.25	24	SCT	250			10.00		60	57	58	90	11	14	29.68	29.78
<b>SUNRISE: 0710 DEC 16</b>						<b>SUNSET: 1724</b>						<b>SUNRISE: 0713 DEC 22</b>						<b>SUNSET: 1727</b>											
03	CLR	NC			10.00		37	27	33	67	13	32	30.18	30.29	03	SCT	250			10.00		62	58	60	87	6	14	29.65	29.76
06	CLR	NC			10.00		35	26	32	70	11	34	30.21	30.32	06	BKN	035			10.00		67	62	64	84	3	18	29.68	29.79
09	CLR	NC			10.00		38	26	33	62	11	33	30.27	30.39	09	OVC	025			2.50	+RA BR	67	64	65	90	3	27	29.75	29.86
12	CLR	NC			10.00		48	25	39	41	10	31	30.27	30.38	12	SCT	250			10.00		73	42	57	33	16	30	29.79	29.90
15	CLR	NC			10.00		53	22	41	30	7	VR	30.21	30.32	15	SCT	250			10.00		73	30	52	20	17	30	29.81	29.92
18	FEW	250			10.00		42	29	37	60	0	00	30.22	30.35	18	BKN	250			10.00		64	31	49	29	14	31	29.92	30.03
21	CLR	NC			10.00		39	32	36	76	0	00	30.27	30.38	21	BKN	250			10.00		48	26	39	42	22	31	30.11	30.21
24	CLR	NC			10.00		34	29	32	82	0	00	30.26	30.37	24	BKN	250			10.00		41	24	35	51	11	31	30.19	30.31
<b>SUNRISE: 0711 DEC 17</b>						<b>SUNSET: 1724</b>						<b>SUNRISE: 0714 DEC 23</b>						<b>SUNSET: 1727</b>											
03	FEW	130			10.00		33	29	31	85	0	00	30.24	30.36	03	FEW	250			10.00		36	22	31	57	16	34	30.24	30.37
06	FEW	150			10.00		31	29	30	92	0	00	30.26	30.37	06	FEW	250			10.00		33	19	28	56	6	34	30.27	30.38
09	SCT	150			10.00		41	35	38	79	7	10	30.29	30.41	09	FEW	250			10.00		36	19	30	50	11	01	30.32	30.42
12	FEW	150			10.00		54	35	45	49	11	15	30.26	30.37	12	FEW	250			10.00		49	16	37	27	7	VR	30.27	30.39
15	SCT	250			10.00		58	39	49	49	10	13	30.18	30.29	15	SCT	250			10.00		52	17	39	25	0	00	30.19	30.31
18	SCT	250			10.00		52	41	47	66	13	14	30.16	30.27	18	FEW	250			10.00		43	27	37	53	0	00	30.18	30.29
21	OVC	130			10.00		50	42	46	74	6	12	30.19	30.30	21	SCT	250			10.00		39	27	34	62	7	09	30.16	30.27
24	OVC	055			10.00		51	44	48	77	7	11	30.11	30.23	24	BKN	250			10.00		37	29	34	73	0	00	30.16	30.27
<b>SUNRISE: 0711 DEC 18</b>						<b>SUNSET: 1725</b>						<b>SUNRISE: 0714 DEC 24</b>						<b>SUNSET: 1728</b>											
03	OVC	045			10.00		52	47	49	83	5	06	30.10	30.21	03	SCT	250			10.00		34	28	32	79	0	00	30.16	30.27
06	OVC	060			10.00		54	50	52	86	5	03	30.08	30.19	06	BKN	250			10.00		35	27	32	73	5	02	30.16	30.27
09	OVC	065			10.00		60	54	57	81	5	15	30.09	30.20	09	SCT	250			10.00		42	30	37	63	9	11	30.18	30.29
12	BKN	250			10.00		71	56	62	59	9	19	30.06	30.17	12	FEW	250			10.00		57	27	44	32	7	11	30.14	30.26
15	BKN	070			10.00		74	57	64	56	9	21	29.98	30.10	15	SCT	250			10.00		59	30	46	33	0	00	30.06	30.18
18	SCT	250			10.00		64	57	60	78	5	20	30.01	30.11	18	SCT	250			10.00		50	35	43	57	5	14	30.06	30.18
21	CLR	NC			10.00		64	58	61	81	6	17	30.03	30.14	21	CLR	NC			10.00		46	35	41	66	0	00	30.11	30.22
24	CLR	NC			8.00		62	59	60	90	3	19	30.03	30.14	24	CLR	NC			10.00		41	32	37	70	3	VR	30.10	30.21

# OBSERVATIONS AT 3-HOURLY INTERVALS

# HOUSTON, TX

## DECEMBER 2007

## KIAH

## WBAN # 12960

HOUR (LST)	SKY COVER	CEILING 100's of FT.	SATELLITE		WEATHER	TEMPERATURE °F			WIND SPEED (MPH) DIRECTION Tens of Deg	PRESSURE (INCHES, HG)							
			Observation Time (LST)	Eff Cl'd Amt Oktas		VISIBILITY (MILES)	DRY BULB	DEW POINT		WET BULB	RELATIVE HUMIDITY (PCT)	STATION	SEA LEVEL				
SUNRISE: 0715						DEC 25						SUNSET: 1728					
03	CLR	NC			10.00			38	30	35	73	3	04	30.08	30.19		
06	CLR	NC			10.00			35	30	33	82	3	02	30.06	30.18		
09	FEW	250			10.00			42	34	39	73	3	04	30.08	30.19		
12	FEW	250			10.00			57	18	42	22	8	15	30.03	30.14		
15	FEW	250			10.00			61	24	45	24	7	11	29.95	30.06		
18	SCT	250			10.00			53	27	42	37	7	15	29.91	30.03		
21	SCT	250			10.00			46	37	42	71	8	11	29.88	29.99		
24	BKN	250			10.00			45	41	43	86	5	10	29.83	29.95		
SUNRISE: 0715						DEC 26						SUNSET: 1729					
03	OVC	047			10.00			51	46	49	83	8	09	29.75	29.86		
06	OVC	033			10.00			56	51	53	83	7	12	29.69	29.80		
09	OVC	017			2.00	-TSRA	BR	59	57	58	93	7	VR	29.66	29.78		
12	BKN	028			10.00			62	52	56	70	18	28	29.73	29.84		
15	FEW	032			10.00			57	42	50	57	21	31	29.78	29.89		
18	SCT	250			10.00			51	38	45	61	8	32	29.86	29.97		
21	CLR	NC			10.00			47	37	43	68	9	31	29.93	30.04		
24	CLR	NC			10.00			41	34	38	76	7	35	29.93	30.04		
SUNRISE: 0716						DEC 27						SUNSET: 1729					
03	CLR	NC			10.00			36	34	35	92	0	00	29.94	30.05		
06	CLR	NC			8.00			35	33	34	92	0	00	29.94	30.05		
09	FEW	250			10.00			41	36	39	82	9	02	29.94	30.05		
12	FEW	035			10.00			53	39	46	59	11	12	29.89	30.00		
15	OVC	065			10.00			54	43	49	67	15	14	29.80	29.91		
18	OVC	050			10.00			53	45	49	74	11	12	29.77	29.88		
21	OVC	010			10.00			51	46	48	83	18	12	29.71	29.82		
24	OVC	002			2.50	-RA	BR	52	51	51	96	9	11	29.72	29.83		
SUNRISE: 0716						DEC 28						SUNSET: 1730					
03	OVC	012			5.00	-RA	BR	52	50	51	93	10	33	29.79	29.91		
06	OVC	060			8.00			50	48	49	93	6	33	29.85	29.96		
09	BKN	250			10.00			51	46	49	83	9	33	29.97	30.08		
12	BKN	250			10.00			59	39	49	48	14	36	29.98	30.10		
15	BKN	250			10.00			62	33	48	34	9	32	29.96	30.07		
18	BKN	250			10.00			54	34	45	47	6	33	29.98	30.11		
21	BKN	250			10.00			51	37	45	59	3	31	30.06	30.17		
24	SCT	250			10.00			46	36	42	68	8	35	30.06	30.18		
SUNRISE: 0716						DEC 29						SUNSET: 1731					
03	BKN	250			10.00			43	35	40	73	5	02	30.05	30.16		
06	SCT	250			10.00			41	35	38	79	5	02	30.05	30.16		
09	OVC	070			10.00			45	35	41	68	7	06	30.09	30.20		
12	OVC	075			10.00			51	38	45	61	8	06	30.03	30.15		
15	OVC	250			10.00			55	37	47	51	7	09	29.94	30.05		
18	BKN	250			10.00			49	40	45	71	7	07	29.93	30.04		
21	BKN	250			9.00			45	39	42	80	3	36	29.95	30.06		
24	BKN	250			8.00			45	39	42	80	0	00	29.97	30.08		
SUNRISE: 0717						DEC 30						SUNSET: 1731					
03	SCT	055			8.00			42	38	40	86	0	00	29.90	30.01		
06	CLR	NC			6.00	BR		38	36	37	93	0	00	29.94	30.05		
09	FEW	100			10.00			46	40	43	80	5	32	29.98	30.09		
12	CLR	NC			10.00			65	35	51	33	10	31	29.96	30.07		
15	CLR	NC			10.00			69	28	50	22	7	33	29.89	30.00		
18	CLR	NC			10.00			53	35	45	51	0	00	29.90	30.01		
21	CLR	NC			10.00			47	36	42	66	0	00	29.94	30.05		
24	CLR	NC			10.00			41	35	38	79	3	16	29.93	30.04		

HOUR (LST)	SKY COVER	CEILING 100's of FT.	SATELLITE		WEATHER	TEMPERATURE °F			WIND SPEED (MPH) DIRECTION Tens of Deg	PRESSURE (INCHES, HG)							
			Observation Time (LST)	Eff Cl'd Amt Oktas		VISIBILITY (MILES)	DRY BULB	DEW POINT		WET BULB	RELATIVE HUMIDITY (PCT)	STATION	SEA LEVEL				
SUNRISE: 0717						DEC 31						SUNSET: 1732					
03	CLR	NC			10.00			40	38	39	93	0	00	29.92	30.03		
06	CLR	NC			7.00			37	36	37	96	0	00	29.94	30.04		
09	CLR	NC			6.00	BR		50	48	49	93	0	00	29.98	30.09		
12	CLR	NC			10.00			69	48	57	47	11	21	29.97	30.08		
15	FEW	035			10.00			73	46	58	38	6	22	29.91	30.02		
18	SCT	250			10.00			66	38	52	36	14	33	29.98	30.10		
21	BKN	065			10.00			56	28	44	34	13	36	30.14	30.26		
24	SCT	065			10.00			51	22	40	32	15	36	30.26	30.37		

### 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.

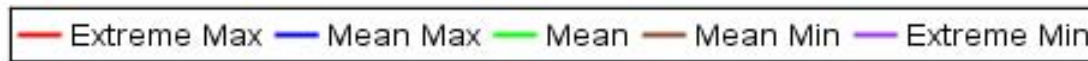
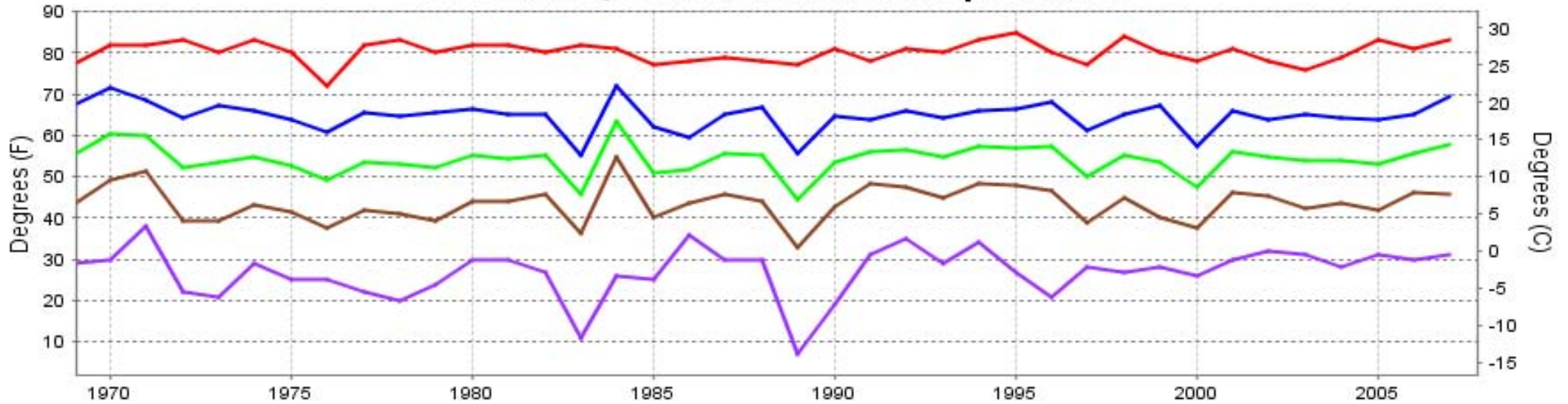
& = Original observation contained additional weather elements.

See page 3 for additional notes.

### SUMMARY BY HOUR

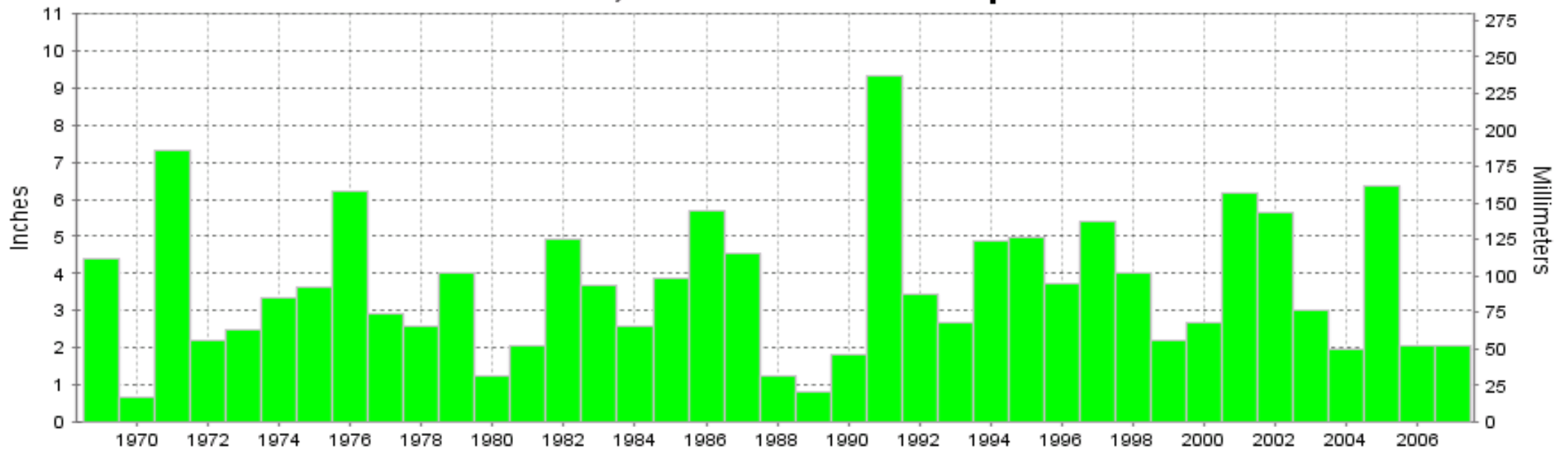
HOUR (LST)	AVERAGES										RESULTANT WIND (MPH)	
	CEILOMETER	EFF CLD AMT	DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY	PRESSURE (Inches, HG)		VISIBILITY (Miles)	WIND SPEED (MPH)	SPEED	DIRECTION
							STATION	SEA LEVEL				
01			54	49	51	83	29.98	30.09	8.18	6	1	10
02			53	48	51	83	29.97	30.09	8.44	6	1	10
03			52	48	50	85	29.97	30.08	8.35	6	2	10
04			52	48	50	86	29.97	30.08	8.16	6	1	10
05			52	48	50	86	29.97	30.08	8.31	6	2	10
06			52	48	50	86	29.98	30.09	8.16	5	1	10
07			51	47	50	87	29.99	30.10	7.69	6	1	10
08			52	48	50	86	30.00	30.11	7.65	7	2	10
09			55	49	52	81	30.02	30.13	7.44	8	1	10
10			59	49	54	72	30.03	30.14	8.42	9	1	10
11			62	48	55	62	30.02	30.14	8.98	10	0	13
12			64	47	56	56	30.00	30.11	9.34	11	1	26
13			66	46	56	53	29.97	30.08	9.40	10	2	27
14			66	46	56	52	29.95	30.06	9.58	10	1	26
15			66	46	56	52	29.94	30.05	9.55	10	0	25
16			66	46	56	53	29.94	30.04	9.74	10	0	12
17			63	47	55	59	29.94	30.05	9.74	10	1	10
18			60	47	54	66	29.95	30.06	9.65	9	2	10
19			58	48	53	70	29.96	30.07	9.08	8	1	10
20			57	48	52	74	29.98	30.09	8.95	8	1	10
21			56	48	52	74	29.99	30.09	8.98	8	1	10
22			55	47	51	75	29.99	30.10	8.68	9	2	10
23			54	47	51	78	29.99	30.10	8.19	8	1	10
24			54	47	51	79	29.99	30.10	8.19	7	1	10

## HOUSTON, TX DECEMBER Temperatures



Long-Term (1969-2007) Mean: 54.2  
 1971-2000 Normal: 53.7

## HOUSTON, TX DECEMBER Precipitation



Long-Term (1969-2007) Mean Monthly Total: 3.66

1971-2000 Normal: 3.69





**DECEMBER 2007  
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.*

*Thomas R. Karl*  
**DIRECTOR**

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