

Local Climatological Data

Annual Summary With Comparative Data

1978

HOUSTON, TEXAS

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Narrative Climatological Summary

Houston, the largest city in Texas, is located in the flat Coastal Plains, about 50 miles from the Gulf of Mexico and about 25 miles from Galveston Bay. The climate is predominantly marine. The terrain includes numerous small streams and bayous which, together with the nearness to Galveston Bay, favor the development of both ground and advective fogs. Prevailing winds are from the southeast and south, except in January, when frequent passages of high pressure areas bring invasions of polar air and prevailing northerly winds.

Temperatures are moderated by the influence of winds from the Gulf, which results in mild winters and, on the whole, relatively cool summer nights. Another effect of the nearness of the Gulf is abundant rainfall, except for rare extended dry periods. Polar air penetrates the area frequently enough to provide stimulating variability in the weather.

The average number of days with minimum temperatures of 32° or lower is only 7 per year at the City Office, about 15 at William P. Hobby Airport located in southeast Houston, and about 23 at Intercontinental Airport located in north Houston. Most freezing temperatures last only a few hours since they are usually accompanied by clear skies. The extreme persistence of freezing temperatures was in January-February 1951, when the temperature remained 32° or below for 123 consecutive hours.

Monthly rainfall is evenly distributed throughout the year. Annual downtown rainfall has varied from 72.86 inches in 1900 to 17.66 in 1917; 72.86 inches was also recorded at William P. Hobby Airport in 1946. About 75 percent of the years have total precipitation between 30 and 60 inches. Monthly precipitation at the city office has ranged from 17.64 inches to only a trace. Since thundershowers are the main source of rainfall, precipitation may vary substantially in different sections of the City on a day-to-day basis.

Records of sky cover for daylight hours indicate about one-fourth of the days per year as clear, with a maximum of clear days in October and November. Cloudy days are relatively frequent from December to May and partly cloudy days are the more frequent for June through September. Sunshine averaged near 60 percent of the possible amount for the year at the Federal Building for 1938-1960, ranging from 46 percent for the winter months to 69 percent for the summer. Data from the airport locations since 1961 indicate slightly higher percentages of sunshine. Snow rarely occurs; however, on February 14-15, 1895, 20.0 inches of unmelted snow was measured, but 24-hour amounts were not reported. In only one winter season, 1972-73, were as many as three measurable snows recorded.

Heavy fog occurs on an average of 16 days a year and light fog occurs about 62 days a year in the City, but the frequency of heavy fog is considerably higher at William P. Hobby Airport and at Intercontinental Airport.

Destructive windstorms are fairly infrequent, but both thundersqualls and tropical storms occasionally pass through the area.

At the city office, the average date of the last temperature 32° or lower in spring is February 5. The average date of the first 32° temperature in fall is December 11. The average period from the last 32° temperature in spring to the first in fall is 309 days. The latest date of 32° temperature in spring is March 27, 1955, and the earliest date in fall is October 25, 1892.

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NATIONAL OCEANIC AND
ATMOSPHERIC ADMINISTRATION

ENVIRONMENTAL DATA AND
INFORMATION SERVICE

NATIONAL CLIMATIC CENTER
ASHEVILLE, N.C.

Meteorological Data For The Current Year

Station: HOUSTON, TEXAS # 12960 INTERCONTINENTAL AIRPORT Standard time used: CENTRAL Latitude: 29° 58' N Longitude: 95° 21' W Elevation (ground): 96 feet Year: 1978

Month	Temperature °F						Degree days Base 65 °F		Precipitation in inches						Relative humidity, pct.				Wind						Number of days						Average station pressure mb									
	Averages			Extremes			Heating	Cooling	Water equivalent			Snow, ice pellets			Hour 00	Hour 06	Hour 12	Hour 18	Resultant		Fastest mile		Percent of possible sunshine	Average sky cover, tenths, sunrise to sunset	Sunrise to sunset			Precipitation .01 inch or more	Snow, ice pellets 1.0 inch or more	Thunderstorms	Heavy fog, visibility 1/2 mile or less	Temperature °F			Elev. feet m.s.l.					
	Daily maximum	Daily minimum	Monthly	Highest	Date	Lowest			Date	Total	Greatest in 24 hrs.	Date	Total	Greatest in 24 hrs.					Date	Direction	Speed m.p.h.	Average speed m.p.h.			Speed m.p.h.	Direction	Date					90° and above	32° and below	32° and below		0° and below				
JAN	48.2	33.9	40.8	77	7	21	20	752	10	7.15	2.06	16	0.4	0.4	19-20	87	89	76	79	02	4.1	9.3	32	31	25	25	8	4	4	23	15	0	0	0	0	0	0	1019.3		
FEB	55.2	35.0	45.1	81	28	21	22	353	19	3.07	1.50	7	0.0	0.0		85	91	66	64	02	3.3	9.0	30	13	15	49	6	4	4	16	0	0	0	0	0	0	1017.3			
MAR	70.6	44.9	57.3	85	15	28	5	250	19	1.70	0.93	23-24	0.0	0.0		87	93	54	54	14	0.7	8.9	23	18	7	63	6.3	7	9	15	7	0	0	0	5	0	1014.9			
APR	78.2	57.0	67.6	87	18	42	21	33	120	6.57	0.17	22	0.0	0.0		91	95	59	62	14	5.3	9.3	45	14	22	56	6.7	5	10	15	7	0	0	0	0	0	1011.2			
MAY	87.5	64.5	76.0	95	27	44	4	17	369	4.15	3.59	29-30	0.0	0.0		92	95	56	61	13	4.8	8.9	29	35	2	63	6.2	6	11	14	6	0	0	0	0	0	1008.5			
JUN	91.0	69.8	80.4	101	12	67	10	0	471	9.37	4.95	6-7	0.0	0.0		92	96	61	65	12	3.2	6.9	25	35	6	72	4.5	14	11	5	9	0	0	0	0	0	1012.5			
JUL	95.4	71.9	83.7	102	16	69	31	0	584	2.35	1.51	28	0.0	0.0		89	96	56	63	18	3.5	7.2	24	09	27	69	5.8	5	18	8	11	0	0	0	0	0	1011.5			
AUG	94.2	71.9	83.1	98	27	68	4	0	568	3.66	1.08	12-13	0.0	0.0		89	95	58	64	15	3.1	7.1	28	14	31	70	5.5	8	17	6	8	0	0	0	0	0	1012.2			
SEP	88.3	70.3	79.3	94	3	59	25	0	437	4.27	1.86	10-11	0.0	0.0		90	94	65	74	09	3.9	7.5	23	12	20	46	7.4	3	12	15	12	0	0	0	0	0	1011.5			
OCT	83.8	54.0	68.9	91	5	39	18	22	150	0.05	0.05	25-26	0.0	0.0		88	92	47	60	08	2.9	6.3	18	02	14	71	4.4	11	15	5	2	0	0	0	0	1025.6				
NOV	75.5	53.8	64.7	89	2	36	9	111	108	5.99	2.60	26-27	0.0	0.0		94	96	66	79	07	2.5	7.3	35	28	5	38	6.9	8	11	0	0	0	0	0	0	1014.9				
DEC	64.7	41.1	52.9	83	2	20	10	393	25	2.60	0.87	28-29	0.0	0.0		88	89	64	77	07	1.7	8.3	25	29	31	39	7.1	5	8	18	12	0	0	0	0	0	1013.2			
YFAR	77.7	55.6	66.7	102	JUL 16	20	DEC 10	2131	2866	44.93	4.95	6-7	0.4	0.4	JAN 19-20	89	93	61	67	10	2.2	8.0	45	14	22	56	6.3	84	123	158	108	0	50	36	109	2	42	0	0	1013.7

Normals, Means, And Extremes

Month	Temperatures °F						Normal Degree days Base 65 °F		Precipitation in inches						Relative humidity pct.				Wind						Mean number of days						Average station pressure mb													
	Normal			Extremes			Heating	Cooling	Water equivalent			Snow, ice pellets			Hour 00	Hour 06	Hour 12	Hour 18	Fastest mile		Pct. of possible sunshine	Mean sky cover, tenths, sunrise to sunset	Sunrise to sunset			Precipitation .01 inch or more	Snow, ice pellets 1.0 inch or more	Thunderstorms	Heavy fog, visibility 1/2 mile or less	Temperatures °F			Elev. feet m.s.l.											
	Daily maximum	Daily minimum	Monthly	Record higher	Year	Record lowest			Year	Normal	Maximum monthly	Year	Minimum monthly	Year					Maximum in 24 hrs.	Year			Maximum monthly	Year	Maximum in 24 hrs.					Year	Speed m.p.h.	Direction		Year	Clear	Partly cloudy	Cloudy	90° and above	32° and below	32° and below	0° and below			
J	62.5	41.5	52.1	84	1975	18	1977	416	16	3.57	7.68	1974	0.36	1971	2.06	1978	2.0	1973	2.0	1973	85	88	56	71	8.3	NNW	32	31	1978	42	6.9	8	5	18	11	*	2	6	0	0	0	1017.3		
F	71.5	49.8	60.8	90	1974	25	1971	189	59	2.68	8.52	1972	1.21	1971	7.47	1972	0.0	0.0	0.0	0.0	85	89	60	62	9.4	SSE	32	24	1972	47	6.9	7	6	18	10	0	0	0	0	0	1011.5			
M	79.4	59.3	69.4	89	1973	31	1973	23	153	3.54	10.92	1976	0.37	1978	8.16	1976	0.0	0.0	0.0	0.0	90	91	60	64	9.2	SSE	45	14	1978	52	6.6	7	7	16	7	0	0	0	0	0	1012.2			
H	85.9	65.6	75.8	95	1978	44	1978	0	335	5.10	14.39	1970	0.79	1977	4.69	1970	0.0	0.0	0.0	0.0	91	94	60	63	8.0	SSE	36	13	1973	59	6.1	7	11	13	8	0	0	0	0	0	1009.4			
J	91.3	70.9	81.1	101	1978	52	1970	0	483	4.92	13.46	1973	0.26	1970	6.61	1973	0.0	0.0	0.0	0.0	90	93	59	62	7.4	SSE	45	30	1973	66	5.5	9	12	9	7	0	0	0	0	0	1011.1			
A	93.8	72.8	83.3	102	1978	62	1972	0	567	4.12	6.77	1973	1.42	1971	3.99	1973	0.0	0.0	0.0	0.0	89	93	58	63	6.5	S	36	10	1969	67	6.0	6	15	10	10	0	0	0	0	0	1012.7			
J	94.2	72.4	83.4	101	1969	62	1970	0	570	4.35	6.95	1971	1.39	1976	3.21	1974	0.0	0.0	0.0	0.0	92	94	60	67	5.5	SSE	32	18	1973	63	5.9	6	15	10	11	0	0	0	0	0	1012.3			
S	90.1	68.2	79.2	97	1971	48	1973	0	426	4.65	11.35	1976	0.80	1975	7.98	1976	0.0	0.0	0.0	0.0	92	94	55	73	6.6	SSE	35	10	1973	58	6.2	6	12	12	11	0	0	0	0	0	1011.3			
D	83.5	56.3	70.9	93	1973	33	1976	24	207	4.05	9.31	1973	0.03	1978	4.08	1970	0.0	0.0	0.0	0.0	92	93	57	73	6.4	SSE	35	32	1973	62	5.1	11	10	10	8	0	0	0	0	0	1015.0			
N	73.0	49.1	61.1	89	1978	19	1976	135	38	4.03	7.90	1974	1.34	1970	3.55	1974	0.0	1976	0.0	1976	89	91	60	76	7.6	SSE	37	33	1972	53	5.6	8	8	12	9	0	0	0	0	0	1015.4			
D	65.9	43.4	54.6	83	1978	20	1978	393	11	4.04	7.33	1971	0.64	1973	3.43	1971	0.0	0.0	0.0	0.0	85	88	62	73	7.8	SSE	35	31	1973	62	6.6	8	6	17	9	0	0	0	0	0	1015.9			
YR	79.8	58.0	68.9	102	JUL 1978	18	JAN 1977	1434	2889	48.19	14.39	MAY 1970	0.05	DEC 1978	8.16	APR 1976	2.8	FEB 1973	2.0	JAN 1973	88	91	60	67	7.6	SSE	46	10	JUL 1969	57	6.1	93	114	158	106	*	66	38	88	1	27	0	0	1013.4

Means and extremes above are from existing and comparable exposures. Annual extremes have been exceeded at other sites in the locality as follows: Highest temperature 108 in August 1909; lowest temperature 5 in January 1940 and earlier; maximum monthly precipitation 22.31 in October 1949; minimum monthly precipitation Trace in October 1952 and May 1937; maximum precipitation in 24 hours 15.65 in August 1945; maximum monthly snowfall 4.4 in February 1960; maximum snowfall in 24 hours 4.4 in February 1960; fastest mile of wind 84 from NW in March 1926.

- (a) Length of record, years, through the current year unless otherwise noted, based on January data.
 - (b) 70° and above at Alaskan stations. * Less than one half.
 - T Trace.
- NORMALS - Based on record for the 1941-1970 period.
 DATE OF AN EXTREME - The most recent in cases of multiple occurrence.
 PREVAILING WIND DIRECTION - Record through 1963.
 WIND DIRECTION - Numerals indicate tens of degrees clockwise from true north. 00 indicates calm.
 FASTEST MILE WIND - Speed is fastest observed 1-minute value when the direction is in tens of degrees.

Average Temperature

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1939	55.6	55.9	63.4	67.4	73.6	80.4	82.4	82.1	79.5	71.2	57.4	56.4	69.0
1940	42.1	52.9	61.4	66.3	72.8	78.4	81.7	81.8	76.0	70.0	60.6	57.4	66.8
1941	56.1	52.4	56.7	60.3	74.5	80.8	83.3	83.4	79.7	75.2	58.4	56.1	68.8
1942	50.1	53.7	58.4	67.1	74.5	81.2	81.4	85.4	76.2	71.2	53.5	55.8	68.0
1943	52.4	58.5	65.4	70.2	77.0	81.0	82.0	82.0	80.0	71.5	62.8	58.5	69.9
1944	52.3	61.4	61.7	69.5	73.3	82.0	84.4	83.8	79.4	69.9	61.8	52.2	69.3
1945	52.4	58.6	68.6	68.8	73.1	83.0	83.0	79.9	68.5	63.5	51.4	69.4	
1946	51.6	56.4	64.0	70.4	75.4	79.2	82.2	82.8	78.4	72.1	62.2	57.8	69.4
1947	52.2	48.8	56.0	63.4	75.4	81.0	82.5	82.0	80.0	75.0	59.0	53.0	68.1
1948	46.2	54.8	61.7	71.4	76.7	82.4	84.3	84.5	77.3	69.6	60.5	59.0	69.0
1949	52.5	59.7	62.8	66.1	78.0	82.6	83.2	82.0	80.0	71.5	62.8	58.5	69.9
1950	63.1	61.3	60.5	67.7	78.0	80.2	82.3	82.4	79.3	75.0	60.7	55.1	70.2
1951	53.8	55.2	62.9	67.0	75.0	82.1	84.3	85.8	79.4	72.4	58.2	58.1	69.5
1952	62.0	58.8	60.1	64.9	73.3	81.3	82.7	84.4	78.5	65.9	59.0	53.7	68.7
1953	56.4	55.8	60.5	68.7	76.7	83.9	84.1	82.1	79.4	71.5	60.0	61.1	69.9
1954	58.4	60.9	68.9	66.7	72.4	83.4	84.8	84.2	81.4	73.0	60.0	57.4	70.3
1955	54.1	58.1	64.7	71.2	77.0	83.1	82.8	80.3	70.7	61.5	56.2	69.8	
1956	54.2	59.2	62.6	67.7	77.3	80.8	84.3	83.8	80.2	73.9	59.9	59.0	70.2
1957	57.9	62.9	61.2	68.6	76.5	80.5	83.4	83.8	76.9	67.9	61.3	57.3	70.0
1958	50.3	49.9	57.8	69.2	77.2	83.4	84.8	84.2	79.7	69.6	62.5	52.6	68.4
1959	50.3	56.3	60.3	66.7	76.9	82.3	82.3	82.3	80.1	72.2	59.8	55.0	68.4
1960	51.8	49.7	57.4	69.8	79.9	82.4	84.7	82.4	79.5	72.2	64.3	52.8	68.5
1961	49.5	57.9	66.8	68.0	77.0	80.4	82.4	82.2	79.7	70.5	59.8	56.3	69.2
1962	49.3	63.9	58.9	68.1	75.7	79.8	84.1	85.9	81.3	74.6	60.1	54.8	69.7
1963	48.3	52.4	64.9	74.5	77.5	82.0	84.3	84.3	80.4	75.0	64.1	47.1	69.6
1964	51.4	49.4	60.4	70.2	75.8	80.4	83.7	84.4	79.2	67.8	65.0	55.9	68.7
1965	56.0	55.1	58.7	73.5	77.1	83.0	85.1	83.5	81.2	69.4	69.1	58.9	70.9
1966	48.4	52.8	61.5	70.6	75.9	80.4	84.3	82.4	79.4	69.7	64.7	54.2	68.7
1967	55.9	54.5	65.6	75.7	75.9	82.4	82.1	82.4	77.6	70.5	64.7	53.5	70.2
1968	52.7	50.4	59.0	71.1	76.3	82.5	84.0	84.0	78.4	73.5	59.7	55.7	68.7
1969	56.7	56.9	56.1	70.3	75.4	80.0	84.4	83.2	78.2	71.0	58.5	53.2	68.8
1970	46.7	53.9	56.9	66.9	72.1	78.4	83.1	83.1	78.9	61.7	56.9	60.3	67.1
1971	56.7	55.7	59.4	66.4	74.1	80.3	83.5	80.4	78.3	72.0	60.0	59.9	68.9
1972	58.5	55.2	64.3	71.2	78.7	80.3	80.3	80.3	75.6	69.8	54.7	52.0	68.2
1973	47.4	51.4	60.7	72.5	78.8	83.0	83.0	83.0	79.8	71.8	67.3	53.5	67.7
1974	50.3	56.2	66.8	67.2	76.9	82.0	81.0	81.0	74.0	70.4	60.2	54.6	68.9
1975	56.9	55.4	61.0	68.3	75.9	80.0	81.5	81.1	74.9	69.3	59.7	52.7	68.1
1976	50.6	60.1	62.2	67.7	70.5	78.4	80.5	81.4	76.2	60.4	51.8	49.2	65.8
1977	42.7	53.8	60.9	66.9	74.5	81.0	83.1	80.0	69.2	61.8	53.7	67.5	
1978	40.8	45.1	57.3	67.6	76.0	80.4	83.7	83.1	79.3	69.9	64.7	52.9	68.7
RECORD MEAN	50.4	54.1	61.4	67.7	74.1	79.9	82.4	81.7	77.8	69.9	59.4	54.4	67.7
MAX	60.7	60.3	72.8	78.3	84.3	90.3	93.2	92.2	87.6	81.0	71.3	66.0	78.7
MIN	40.0	41.8	50.2	57.1	63.6	69.4	71.5	71.2	68.0	57.1	47.8	42.8	56.7

Heating Degree Days

Season	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	Total
1938-39	0	0	0	48	145	375	452	254	163	58	0	0	1495
1939-40	0	0	0	7	309	306	416	441	260	8	1	0	1748
1940-41	0	0	0	17	104	390	478	227	56	61	0	0	1328
1941-42	0	0	0	14	184	287	480	99	209	32	0	0	1307
1942-43	0	0	0	8	157	313	515	351	88	7	0	0	1639
1943-44	0	0	0	0	108	551	413	646	158	19	0	0	1695
1944-45	0	0	0	31	114	315	300	284	230	0	0	0	1294
1945-46	0	0	2	20	23	212	516	334	144	12	0	0	1263
1946-47	0	0	0	27	99	359	342	298	68	0	0	0	1193
1947-48	0	0	3	18	99	312	390	415	229	17	0	0	1483
1948-49	0	0	0	5	199	297	284	234	281	1	0	2	1303
1949-50	0	0	0	29	238	304	379	309	252	51	12	0	1774
1950-51	0	0	0	72	274	209	298	273	219	72	3	0	1420
1951-52	0	0	2	6	195	194	315	295	85	17	0	0	1109
1952-53	0	0	2	50	320	410	540	379	75	117	3	0	1898
1953-54	0	0	0	74	364	330	273	25	60	0	0	0	1204
1954-55	0	0	0	15	196	336	290	270	179	48	0	0	1334
1955-56	0	0	0	26	217	399	441	178	155	26	7	0	1449
1956-57	0	0	0	173	398	484	687	312	166	23	0	0	2285
1957-58	0	0	0	34	150	365	752	553	230	33	17	0	2134
1958-59	0	0	0	22	111	393							

Cooling Degree Days

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Total
1969	35	13	11	167	328	456	608	569	402	222	48	9	2888
1970	18	3	7	188	238	409	513	567	423	131	38	76	2611
1971	48	18	55	126	292	466	594	483	409	229	52	44	2818
1972	58	20	71	208	275	480	480	482	447	206	17	12	2756
1973	1	4	41	111	253	434	564	458	401	225	151	12	2655
1974	24	33	158	132	374	454	558	519	295	196	60	18	2821
1975	47	8	61	155	342	455	514	505	303	174	68	24	2656
1976	5	43	75	110	182	408	490	520	341	42	9	0	2225
1977	0	5	44	91	202	487	547	565	456	173	58	23	2751
1978	10	5	19	120	369	471	584	568	437	150	108	25	2866

Precipitation

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1939	3.10	1.98	1.21	1.12	5.69	2.55	8.27	2.39	1.42	3.36	2.93	2.04	33.32
1940	0.92	2.25	1.89	1.10	1.20	5.80	3.11	0.76	3.67	4.20	1.93	4.28	39.03
1941	1.97	2.37	6.43	6.56	4.51	9.25	5.70	3.24	11.17	11.48	2.41	2.33	67.66
1942	1.29	2.81	2.03	4.94	1.77	3.31	12.38	5.56	2.72	1.57	3.99	3.73	45.69
1943	3.69	1.31	3.98	1.76	3.91	2.43	9.14	1.22	3.19	1.04	12.14	4.79	48.30
1944	10.51	2.15	6.64	1.14	12.44	2.17	0.24	2.61	9.15	0.63	3.71	6.38	57.79
1945	1.97	2.38	2.18	4.33	7.35	5.69	2.29	18.51	3.44	4.44	0.51	7.13	60.44
1946	6.56	2.82	2.48	3.07	9.60	9.77	5.35	4.32	8.84	2.01	14.36	2.88	72.86
1947	4.39	1.09	2.78	2.82	6.53	1.74	2.17	8.86	1.29	1.91	4.58	3.82	43.20
1948	4.48	4.11	1.94	3.19	5.35	3.89	2.74	2.80	2.78	0.92	7.23	1.37	39.42
1949	4.76	5.24	4.43	6.17	1.18	2.35	9.39	3.87	1.31	22.31	0.18	9.80	71.19
1950	4.62	5.00	1.22	4.96	2.49	7.10	3.29	0.72	1.50	0.69	1.17	1.12	33.88
1951	5.37	1.42	4.84	1.28	3.32	3.32	1.06	2.01	5.40	1.18	1.55	2.33	33.28
1952	0.86	7.12	2.18	6.12	3.51	3.74	4.33	1.09	2.62	1	6.58	5.53	43.66
1953	1.57	3.40	0.07	7.25	7.56	3.49	2.06	8.38	0.14	2.62	5.27	7.24	49.37
1954	1.68	0.09	0.89	2.81	2.70	1.24	4.88	3.89	0.49	6.98	1.74	1.42	26.76
1955	5.57	6.03	0.93	3.51	3.54	1.59	2.01	10.10	3.34	0.63	1.06	1.60	41.88
1956	3.96	2.42	0.78	1.84	3.32	4.07	0.38	0.38	1.88	2.66	1.52	5.11	28.32
1957	0.91	2.46	11.42	8.07	1.87	3.96	0.84	3.23	8.29	11.23	6.70	1.83	61.11
1958	4.												

STATION LOCATION

HOUSTON, TEXAS

Location	Occupied from	Occupied to	Airline distance and direction from previous location	Latitude North	Longitude West	Elevation above								Remarks	
						Sea level	Ground								
							Ground at temperature site	Wind instruments	Extreme thermometers	Psychrometer	Telepsychrometer	Tipping bucket rain gage	Weighing rain gage		8" rain gage
<u>Cotton Station</u>	7/14/81	9/15/09													Location of cotton station not available.
<u>CITY</u>															
4th Floor, Stewart Bldg. Preston & Fannin Sts.	9/16/09	12/13/09		29° 46'	95° 22'	51	122	111	111	104		104			
8th Floor, Stewart Bldg. Preston & Fannin Sts.	12/14/09	2/28/26		29° 46'	95° 22'	51	122	111	111	104		104			
19th Floor, Shell Bldg. Texas & Fannin Sts.	3/01/26	12/22/32	1/8 mi. SW	29° 46'	95° 22'	52	314	293	293	287		287			
22nd Floor, Shell Bldg. Texas & Fannin Sts.	12/23/32	6/21/35		29° 46'	95° 22'	52	314	293	293	287		287			
14th Floor, Shell Bldg. Texas & Fannin Sts.	6/22/35	8/25/38		29° 46'	95° 22'	52	314	293	293	287		287			
10th Floor, Federal Building Franklin & Fannin Sts.	8/26/38	Present	1/4 mi. NE	29° 46'	95° 22'	41	190	162	158	160		159			Temperature and precipitation data telemetered to airport office 3/31/61 to 6/14/67. Summary published through August 1967.
<u>COOPERATIVE</u>															
Harrisburg, Texas	11/01/23	2/29/32		29° 42'	95° 17'	38			4			4			Suburb of the City of Houston.
<u>AIRPORT</u>															
Houston Municipal AP	7/16/30	8/01/40		29° 39'	95° 17'	50	37	30	30			25			
Houston International Airport	8/01/40	7/29/60	1000 Ft. S	29° 39'	95° 17'	50	87	28	28			21			Known as Houston Municipal Airport until 4/15/55.
Houston International Airport† †William P. Hobby Airport effective 9/1/67.	7/29/60	5/31/69		29° 39'	95° 17'	50	20	23	23		a23	22	4		Moved from third to ground floor of same building and hygrothermometer installed 1500 feet E of thermometer site. a - Added 9/1/68.
Trailer, NW corner of Houston Intercontinental Airport	6/01/69	8/15/72	23 mi. NNW	29° 59'	95° 22'	96	20	5	5		c4	3	b4		b - Commissioned 11/14/69. c - Commissioned 1/1/70.
Qualitron Building Intercontinental Airport 17795 J. F. Kennedy Blvd.	8/15/72	Present	1.6 mi. SE	29° 58'	95° 21'	96	d20			e45	45	45	d4		d - Same site as prior to 8/15/72. e - Added 10/15/74.

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