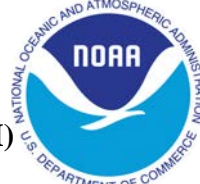




OCTOBER 2015 LOCAL CLIMATOLOGICAL DATA

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



OCTOBER 2015
HOUSTON, TX

| Date 1 | Temperature °F | | | | | | Deg Days BASE 65° | | WEATHER 10 | SNOW/ICE ON GND(IN) | | PRECIPITATION ON GND(IN) | | PRESSURE (INCHES OF HG) | | WIND SPEED = MPH DIR = TENS OF DEGREES | | | | | | | | Date 24 |
|--------------------|----------------|--------------|--------------|-------------------------|-----------------------------------|--------------------------|----------------------|--------------|--|------------------------|---------------------|-----------------------------|-------------------------|--|----------------------------|---|--------------------------------|------------------------|-------------|-----------|-------|----|----|------------|
| | MAXIMUM 2 | MINIMUM 3 | AVERAGE 4 | DEP FROM NORMAL 5 | AVERAGE DEW PT 6 | AVERAGE WET BULB 7 | HEATING 8 | COOLING 9 | | 0600 LST 11 | 1200 LST 12 | 2400 LST 13 | 2400 LST 14 | AVERAGE STATION 15 | AVERAGE SEA LEVEL 16 | RESULTANT SPEED 17 | RES DIR 18 | AVERAGE SPEED 19 | MAXIMUM | | | | | |
| | | | | | | | | | | | | | | | | | | | 3-SEC | | 2-MIN | | | |
| | | | | | | | | | DEPTH 11 | WATER- EQUIV 12 | SNOW- FALL 13 | WATER EQUIV 14 | | | | | SPEED 20 | DIR 21 | SPEED 22 | DIR 23 | | | | |
| 01 | 90 | 68 | 79 | 4 | 63 | 68 | 0 | 14 | | 0 | | 0.0 | 0.00 | 29.86 | 29.98 | 5.8 | 02 | 6.4 | 22 | 01 | 17 | 35 | 01 | |
| 02 | 84 | 60 | 72 | -3 | 50 | 59 | 0 | 7 | | 0 | | 0.0 | 0.00 | 29.82 | 29.94 | 6.6 | 01 | 8.3 | 25 | 06 | 20 | 01 | 02 | |
| 03 | 84 | 55 | 70 | -5 | 52 | 59 | 0 | 5 | | 0 | | 0.0 | 0.00 | 29.75 | 29.87 | 2.9 | 03 | 4.2 | 17 | 02 | 13 | 04 | 03 | |
| 04 | 84 | 56 | 70 | -4 | 54 | 60 | 0 | 5 | | 0 | | 0.0 | 0.00 | 29.84 | 29.94 | 3.9 | 04 | 5.6 | 17 | 36 | 13 | 35 | 04 | |
| 05 | 86 | 57 | 72 | -2 | 59 | 63 | 0 | 7 | | 0 | | 0.0 | 0.00 | 29.91 | 30.01 | 4.0 | 01 | 4.8 | 20 | 36 | 15 | 03 | 05 | |
| 06 | 89 | 65 | 77 | 4 | 62 | 67 | 0 | 12 | | 0 | | 0.0 | 0.00 | 29.93 | 30.04 | 1.8 | 01 | 3.0 | 15 | 01 | 10 | 02 | 06 | |
| 07 | 91 | 66 | 79 | 6 | 64 | 69 | 0 | 14 | | 0 | | 0.0 | 0.00 | 29.91 | 30.02 | 1.4 | 12 | 3.2 | 14 | 01 | 12 | 11 | 07 | |
| 08 | 87 | 69 | 78 | 5 | 66 | 70 | 0 | 13 | | 0 | | 0.0 | 0.00 | 29.90 | 30.02 | 2.3 | 12 | 3.0 | 13 | 13 | 9 | 13 | 08 | |
| 09 | 90 | 68 | 79 | 6 | 68 | 71 | 0 | 14 | BR | 0 | | 0.0 | 0.00 | 29.95 | 30.06 | 1.1 | 03 | 3.5 | 14 | 08 | 9 | 07 | 09 | |
| 10 | 90 | 64 | 77 | 5 | 61 | 67 | 0 | 12 | | 0 | | 0.0 | 0.00 | 29.96 | 30.08 | 5.1 | 01 | 5.7 | 21 | 01 | 15 | 36 | 10 | |
| 11 | 90 | 60 | 75 | 3 | 63 | 68 | 0 | 10 | | 0 | | 0.0 | 0.00 | 29.83 | 29.96 | 3.5 | 16 | 4.6 | 21 | 14 | 17 | 14 | 11 | |
| 12 | 92 | 68 | 80 | 8 | 69 | 73 | 0 | 15 | | 0 | | 0.0 | 0.00 | 29.72 | 29.84 | 5.8 | 19 | 6.0 | 20 | 17 | 15 | 23 | 12 | |
| 13 | 95* | 64 | 80 | 9 | 56 | 66 | 0 | 15 | RA BR | 0 | | 0.0 | T | 29.83 | 29.93 | 3.7 | 36 | 4.6 | 20 | 36 | 15 | 03 | 13 | |
| 14 | 92 | 56 | 74 | 3 | 49 | 60 | 0 | 9 | | 0 | | 0.0 | 0.00 | 29.93 | 30.04 | 3.4 | 14 | 3.8 | 17 | 13 | 13 | 14 | 14 | |
| 15 | 92 | 57 | 75 | 4 | 57 | 63 | 0 | 10 | | 0 | | 0.0 | 0.00 | 29.96 | 30.08 | 3.5 | 14 | 4.0 | 21 | 27 | 17 | 12 | 15 | |
| 16 | 91 | 59 | 75 | 5 | 57 | 64 | 0 | 10 | FG MIFG BCFG BR | 0 | | 0.0 | 0.00 | 30.04 | 30.15 | 3.3 | 05 | 4.6 | 23 | 02 | 20 | 01 | 16 | |
| 17 | 84 | 59 | 72 | 2 | 45 | 56 | 0 | 7 | | 0 | | 0.0 | 0.00 | 30.12 | 30.23 | 7.6 | 06 | 8.0 | 21 | 06 | 16 | 06 | 17 | |
| 18 | 82 | 52 | 67 | -3 | 39 | 53 | 0 | 2 | | 0 | | 0.0 | 0.00 | 30.17 | 30.28 | 4.9 | 07 | 6.0 | 21 | 10 | 15 | 08 | 18 | |
| 19 | 81 | 51* | 66 | -4 | 44 | 54 | 0 | 1 | | 0 | | 0.0 | 0.00 | 30.09 | 30.21 | 4.3 | 09 | 5.5 | 17 | 11 | 14 | 12 | 19 | |
| 20 | 77 | 58 | 68 | -1 | 65 | 66 | 0 | 3 | RA BR | 0 | | 0.0 | 0.02 | 29.98 | 30.11 | 7.1 | 10 | 7.9 | 22 | 11 | 18 | 11 | 20 | |
| 21 | 85 | 67 | 76 | 7 | 69 | 71 | 0 | 11 | BR | 0 | | 0.0 | 0.00 | 29.98 | 30.10 | 11.5 | 11 | 11.7 | 25 | 14 | 21 | 14 | 21 | |
| 22 | 86 | 71 | 79 | 11 | 72 | 74 | 0 | 14 | RA BR | 0 | | 0.0 | 0.02 | 29.88 | 30.00 | 15.3 | 12 | 15.7 | 33 | 14 | 28 | 14 | 22 | |
| 23 | 85 | 76 | 81* | 13 | 71 | 74 | 0 | 16 | RA | 0 | | 0.0 | 0.01 | 29.80 | 29.93 | 13.1 | 14 | 13.5 | 30 | 16 | 24 | 14 | 23 | |
| 24 | 77 | 67 | 72 | 4 | 72 | 72 | 0 | 7 | RA BR | 0 | | 0.0 | 5.54 | 29.75 | 29.86 | 8.1 | 08 | 11.7 | 25 | 04 | 22 | 12 | 24 | |
| 25 | 68 | 60 | 64* | -3 | 63 | 64 | 1 | 0 | RA BR | 0 | | 0.0 | 2.03 | 29.72 | 29.84 | 15.7 | 36 | 17.3 | 36 | 30 | 30 | 01 | 25 | |
| 26 | 72 | 61 | 67 | 0 | 59 | 62 | 0 | 2 | RA | 0 | | 0.0 | 0.01 | 29.72 | 29.84 | 14.8 | 34 | 15.1 | 33 | 35 | 28 | 35 | 26 | |
| 27 | 80 | 61 | 71 | 4 | 60 | 63 | 0 | 6 | | 0 | | 0.0 | 0.00 | 29.70 | 29.82 | 4.3 | 30 | 5.8 | 18 | 34 | 14 | 35 | 27 | |
| 28 | 86 | 58 | 72 | 6 | 58 | 63 | 0 | 7 | | 0 | | 0.0 | 0.00 | 29.72 | 29.83 | 5.2 | 26 | 6.9 | 25 | 24 | 17 | 31 | 28 | |
| 29 | 80 | 53 | 67 | 1 | 58 | 62 | 0 | 2 | | 0 | | 0.0 | 0.00 | 29.80 | 29.91 | 3.9 | 11 | 5.2 | 16 | 14 | 14 | 14 | 29 | |
| 30 | 79 | 67 | 73 | 7 | 67 | 69 | 0 | 8 | TS TSRA RA BR | 0 | | 0.0 | 0.28 | 29.67 | 29.81 | 16.9 | 14 | 17.3 | 41* | 14 | 31* | 15 | 30 | |
| 31 | 76 | 67 | 72 | 6 | 68 | 69 | 0 | 7 | TS TSRA RA FG BR | 0 | | 0.0 | 5.14 | 29.68 | 29.76 | 3.3 | 05 | 7.4 | 35 | 30 | 26 | 31 | 31 | |
| 84.7 | | 61.9 | 73.3 | Σ | 60.0 | 65.1 | 0.0 | 8.5 | < MONTHLY AVERAGES TOTALS > | | 0.0 | 13.05 | 29.87 | 29.98 | 2.9 | 08 | 7.4 | < MONTHLY AVERAGES | | | | | | |
| 2.7 | | 1.0 | 1.8 | | -----DEPARTURE FROM NORMAL -----> | | | | | | | | 7.35 | SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3 | | | | | | | | | | |
| DEGREE DAYS | | | | | | | | | GREATEST 24-HR PRECIPITATION : 6.94 DATE : 24-25 | | | | SEA LEVEL PRESSURE | | | | DATE | | TIME | | | | | |
| MONTHLY | | | | | | | | | GREATEST 24-HR SNOWFALL : 0.0 DATE : | | | | MAXIMUM : | | | | 30.36 | | 18 | | 0952 | | | |
| TOTAL DEPARTURE | | | | | | | | | GREATEST SNOW DEPTH : 0 DATE : | | | | MINIMUM : | | | | 29.65 | | 31 | | 0153 | | | |
| SEASON TO DATE | | | | | | | | | NUMBER OF -> DAYS WITH | | | | MAXIMUM TEMP >= 90 : 10 | | MINIMUM TEMP <= 32 : 0 | | PRECIPITATION >= 0.01 INCH : 8 | | | | | | | |
| TOTAL DEPARTURE | | | | | | | | | HEATING : 1 -28 | | COOLING : 265 -36 | | MAXIMUM TEMP <= 32 : 0 | | MINIMUM TEMP <= 0 : 0 | | PRECIPITATION >= 0.10 INCH : 4 | | | | | | | |
| TOTAL DEPARTURE | | | | | | | | | HEATING : 1 -29 | | COOLING : 3226 172 | | THUNDERSTORMS : 2 | | HEAVY FOG : 0 | | SNOWFALL >= 1.0 INCH : 0 | | | | | | | |

HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

HOUSTON, TX (KIAH)
OCTOBER 2015

WBAN # 12960

| Date | FOR HOUR (LST) ENDING AT | | | | | | | | | | | | Date | FOR HOUR (LST) ENDING AT | | | | | | | | | | | | Date | Sum of Hourly Data | 2400 LST Water Equiv. |
|------|--------------------------|------|------|------|------|------|------|------|------|------|------|------|------|--------------------------|------|------|------|------|------|------|------|------|------|------|------|------|--------------------|-----------------------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | | | |
| 01 | | | | | | | | | | | | | 01 | | | | | | | | | | | | 01 | 0.00 | 0.00 | |
| 02 | | | | | | | | | | | | | 02 | | | | | | | | | | | | 02 | 0.00 | 0.00 | |
| 03 | | | | | | | | | | | | | 03 | | | | | | | | | | | | 03 | 0.00 | 0.00 | |
| 04 | | | | | | | | | | | | | 04 | | | | | | | | | | | | 04 | 0.00 | 0.00 | |
| 05 | | | | | | | | | | | | | 05 | | | | | | | | | | | | 05 | 0.00 | 0.00 | |
| 06 | | | | | | | | | | | | | 06 | | | | | | | | | | | | 06 | 0.00 | 0.00 | |
| 07 | | | | | | | | | | | | | 07 | | | | | | | | | | | | 07 | 0.00 | 0.00 | |
| 08 | | | | | | | | | | | | | 08 | | | | | | | | | | | | 08 | 0.00 | 0.00 | |
| 09 | | | | | | | | | | | | | 09 | | | | | | | | | | | | 09 | 0.00 | 0.00 | |
| 10 | | | | | | | | | | | | | 10 | | | | | | | | | | | | 10 | 0.00 | 0.00 | |
| 11 | | | | | | | | | | | | | 11 | | | | | | | | | | | | 11 | 0.00 | 0.00 | |
| 12 | | | | | | | | | | | | | 12 | | | | | | | | | | | | 12 | 0.00 | 0.00 | |
| 13 | | | | | | | | | | | | | 13 | | | | | | | | | | | | 13 | T | T | |
| 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 | | | | | | | | | | | | 0.01 | 20 | T | 0.01 | | T | T | T | | | | | 20 | 0.02 | 0.02 | | |
| 21 | | | | | | | | | | | | | 21 | | | | | | | | | | | | 21 | 0.00 | 0.00 | |
| 22 | | | | | | | | | | | | | 22 | T | | T | T | | | | | | | 22 | 0.02 | 0.02 | | |
| 23 | T | T | T | 0.01 | T | | | | | | | | 23 | | | | | | | | | | | | 23 | 0.01 | 0.01 | |
| 24 | | | | | | | | | | | | | 24 | 0.07 | 0.34 | 0.26 | 0.25 | 0.40 | 0.40 | 0.59 | 0.77 | 0.90 | 0.36 | 0.55 | 0.59 | 24 | 5.54 | 5.54 |
| 25 | 0.23 | 0.07 | 0.01 | 0.13 | 0.16 | 0.21 | 0.11 | 0.08 | 0.03 | 0.17 | 0.15 | 0.11 | 25 | 0.05 | 0.03 | 0.02 | 0.05 | 0.05 | 0.11 | 0.09 | 0.02 | 0.05 | 0.06 | 0.01 | 0.03 | 25 | 2.03 | 2.03 |
| 26 | 0.01 | | | | | | | | | | | | 26 | | | | | | | | | | | | 26 | 0.01 | 0.01 | |
| 27 | | | | | | | | | | | | | 27 | | | | | | | | | | | | 27 | 0.00 | 0.00 | |
| 28 | | | | | | | | | | | | | 28 | | | | | | | | | | | | 28 | 0.00 | 0.00 | |
| 29 | | | | | | | | | | | | | 29 | | | | | | | | | | | | 29 | 0.00 | 0.00 | |
| 30 | | | | | | | | | | | | | 30 | | | | | | | | | | | | 30 | 0.28 | 0.28 | |
| 31 | 0.94 | 0.55 | 0.58 | 1.17 | | | | | | | | | 31 | | | | | | | | | | | | 31 | 5.14 | 5.14 | |

* 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) | | | | | | | | | | | | |
| Ending Date | | | | | | | | | | | | |
| Ending Time (Hr/Min) | | | | | | | | | | | | |

Note : The hourly and daily precipitation totals are printed in the last 2 columns and hi-lighted in red when they disagree. NWS does not edit ASOS hourly values but may edit daily and monthly totals. Hourly, daily, and monthly totals are printed as reported by the ASOS site.

Date and time are not entered for TRACE amounts.

REFERENCE NOTES & SUPPLEMENTAL SUMMARIES

* = Extreme for the month (last occurrence if more than one).

T = Trace precipitation amount.

+ = also occurs on earlier date.

FG+ = Heavy fog, visibility .25 miles or less.

BLANK entries denote missing or unreported data.

Resultant wind is the vector sum of the wind speeds and directions divided by the number of observations.

Wind direction is recorded in tens of degrees (2 digits) clockwise from true north. '00' = calm, 'VR' = variable.

Precipitation is for the 24-hour period ending at the time indicated in the column heading.

Ceilometer (30-second) data are used to derive cloudiness at or below 12,000 feet. This cloudiness is the mean cloud cover detected during sunrise to sunset (SR-SS), or midnight to midnight (MN-MN).

WEATHER NOTATIONS

| QUALIFIER | WEATHER PHENOMENA | | |
|--------------------|-----------------------------------|--------------------|------------------------------------|
| DESCRIPTOR | PRECIPITATION | OBSCURATION | OTHER |
| BC Patches | DZ Drizzle | BR Mist | DS Duststorm |
| BL Blowing | GR Hail | DU Widespread Dust | FC Funnel Cloud |
| DR Low Drifting | GS Small Hail and/or Snow Pellets | FG Fog | +FC Tornado Waterspout |
| FZ Freezing | IC Ice Crystals | FU Smoke | PO Well-Developed Dust/Sand Whirls |
| MI Shallow | PL Ice Pellets | HZ Haze | |
| PR Partial | RA Rain | PY Spray | SQ Squalls |
| SH Shower(s) | SG Snow Grains | SA Sand | SS Sandstorm |
| TS Thunderstorm | SN Snow | VA Volcanic Ash | GL Glaze |
| VC In the Vicinity | UP Unkown Precipitation | | |

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

HOUSTON, TX OCTOBER 2015

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.

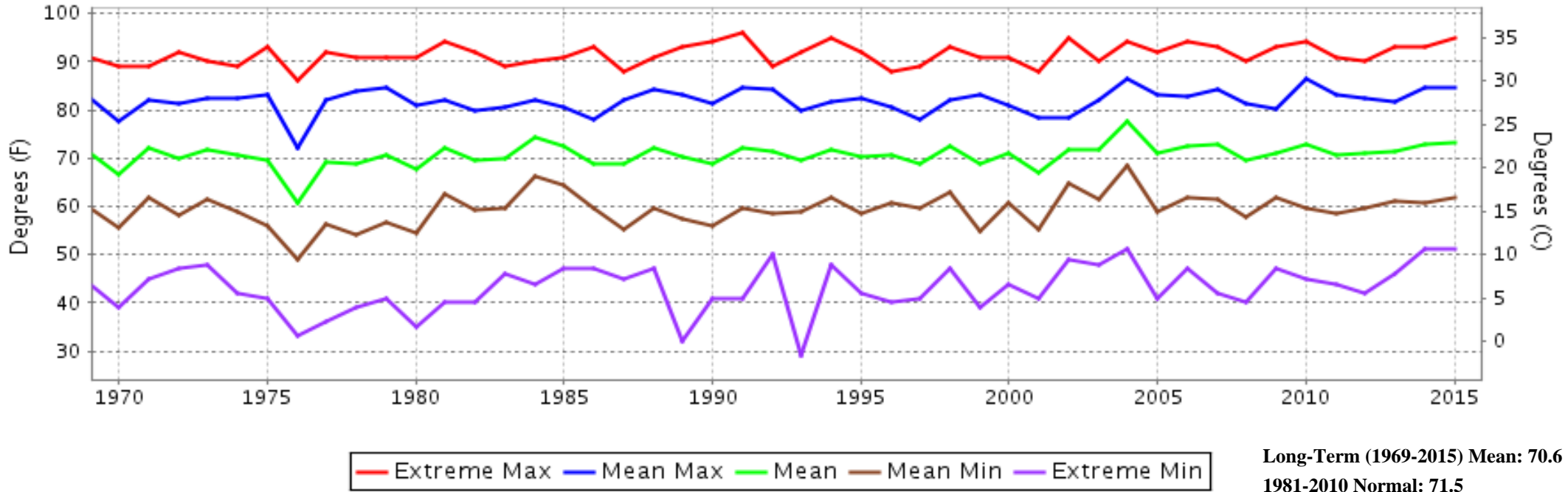
Snow Depth, Snowfall, and Sunshine data may come from nearby sites that the National Weather Service deems Climatologically representative of this site.

NORMALS ARE FOR THE YEARS 1981-2010

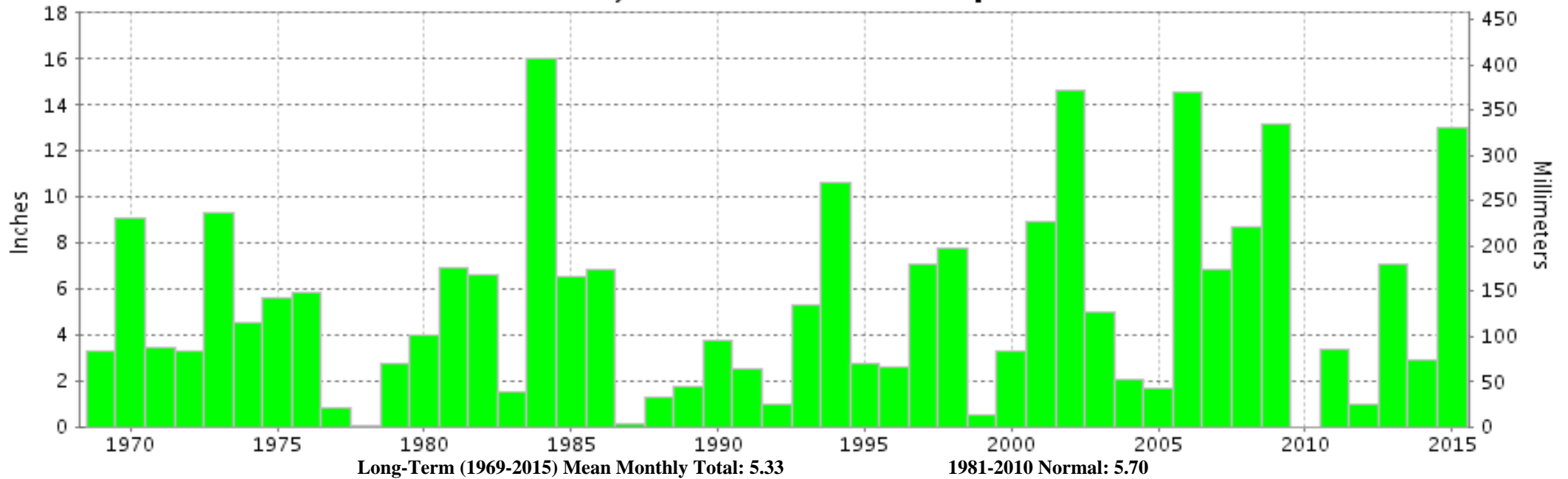
ADDITIONAL NOTES & ERRATA:

| Date | VISIBILITY (MILES) | |
|-----------------------------------|--------------------|---------|
| | MINIMUM | MAXIMUM |
| 01 | 10.00 | 10.00 |
| 02 | 10.00 | 10.00 |
| 03 | 10.00 | 10.00 |
| 04 | 10.00 | 10.00 |
| 05 | 10.00 | 10.00 |
| 06 | 10.00 | 10.00 |
| 07 | 10.00 | 10.00 |
| 08 | 9.00 | 10.00 |
| 09 | 4.00 | 10.00 |
| 10 | 9.00 | 10.00 |
| 11 | 10.00 | 10.00 |
| 12 | 10.00 | 10.00 |
| 13 | 7.00 | 10.00 |
| 14 | 10.00 | 10.00 |
| 15 | 8.00 | 10.00 |
| 16 | 0.50 | 10.00 |
| 17 | 10.00 | 10.00 |
| 18 | 10.00 | 10.00 |
| 19 | 10.00 | 10.00 |
| 20 | 3.00 | 10.00 |
| 21 | 6.00 | 10.00 |
| 22 | 4.00 | 10.00 |
| 23 | 8.00 | 10.00 |
| 24 | 1.00 | 10.00 |
| 25 | 1.00 | 10.00 |
| 26 | 3.00 | 10.00 |
| 27 | 9.00 | 10.00 |
| 28 | 10.00 | 10.00 |
| 29 | 10.00 | 10.00 |
| 30 | 4.00 | 10.00 |
| 31 | 1.50 | 10.00 |
| AVGS | 7.35 | 10.00 |
| MINIMUM VISIBILITY (MILES) | | |
| <= .25 | <= 3.0 | >= 7.0 |
| 0 | 6 | 21 |

HOUSTON, TX OCTOBER Temperatures



HOUSTON, TX OCTOBER Precipitation





**OCTOBER 2015
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, appearing to read "Thomas R. Karl".

DIRECTOR

NCEI now offers free online access to the **Edited Local Climatological Data Publication**. Go to : www.ncdc.noaa.gov/IPS/lcd/lcd.html

We welcome your questions or comments, please contact us at:
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or Email : ncei.orders@noaa.gov

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