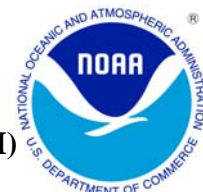




MAY 2012 LOCAL CLIMATOLOGICAL DATA

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 | | | |
| 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | | | |
| 01 | 86 | 71 | 79 | 7 | 68 | 71 | 0 | 14 | RA | 0 | | 0.0 | T | 29.81 | 29.94 | 9.4 | 14 | 9.2 | 22 | 14 | 18 | 15 | 01 | |
| 02 | 91 | 68 | 80 | 7 | 68 | 72 | 0 | 15 | | 0 | | 0.0 | 0.00 | 29.77 | 29.89 | 4.4 | 16 | 5.0 | 18 | 14 | 16 | 14 | 02 | |
| 03 | 89 | 71 | 80 | 7 | 69 | 72 | 0 | 15 | | 0 | | 0.0 | 0.00 | 29.83 | 29.94 | 6.0 | 15 | 6.9 | 22 | 12 | 17 | 12 | 03 | |
| 04 | 90 | 69 | 80 | 7 | 70 | 73 | 0 | 15 | BR | 0 | | 0.0 | 0.00 | 29.85 | 29.95 | 5.7 | 15 | 6.9 | 23 | 12 | 17 | 13 | 04 | |
| 05 | 91 | 70 | 81 | 8 | 70 | 73 | 0 | 16 | | 0 | | 0.0 | 0.00 | 29.78 | 29.90 | 7.2 | 17 | 8.3 | 23 | 14 | 18 | 15 | 05 | |
| 06 | 88 | 72 | 80 | 6 | 71 | 73 | 0 | 15 | | 0 | | 0.0 | 0.00 | 29.75 | | 7.6 | 16 | 8.1 | 24 | 16 | 20 | 16 | 06 | |
| 07 | 91 | 68 | 80 | 6 | 69 | 73 | 0 | 15 | TSRA RA | 0 | | 0.0 | 0.05 | 29.77 | 29.86 | 3.1 | 15 | 5.3 | 38* | 32 | 30* | 32 | 07 | |
| 08 | 87 | 68 | 78 | 4 | 63 | 68 | 0 | 13 | TS RA | 0 | | 0.0 | 0.03 | 29.80 | 29.91 | 6.3 | 35 | 7.8 | 31 | 04 | 26 | 04 | 08 | |
| 09 | 86 | 68 | 77 | 3 | 64 | 68 | 0 | 12 | | 0 | | 0.0 | 0.00 | 29.83 | 29.94 | 5.2 | 01 | 6.5 | 18 | 03 | 14 | 02 | 09 | |
| 10 | 83 | 65 | 74 | -1 | 62 | 67 | 0 | 9 | RA | 0 | | 0.0 | 0.01 | 29.77 | 29.88 | 9.9 | 10 | 10.4 | 23 | 11 | 18 | 11 | 10 | |
| 11 | 83 | 67 | 75 | 0 | 66 | 69 | 0 | 10 | TS TSRA RA | 0 | | 0.0 | 0.42 | 29.75 | 29.86 | 9.7 | 13 | 10.4 | 30 | 10 | 26 | 10 | 11 | |
| 12 | 83 | 69 | 76 | 1 | 65 | 68 | 0 | 11 | TS TSRA RA BR | 0 | | 0.0 | 0.10 | 29.91 | 30.01 | 4.7 | 35 | 6.5 | 21 | 36 | 15 | 35 | 12 | |
| 13 | 85 | 65 | 75 | 0 | 60 | 65 | 0 | 10 | | 0 | | 0.0 | 0.00 | 29.96 | 30.08 | 5.9 | 01 | 6.9 | 20 | 03 | 15 | 36 | 13 | |
| 14 | 87 | 63 | 75 | 0 | 61 | 66 | 0 | 10 | RA | 0 | | 0.0 | 0.10 | 29.91 | 30.03 | 1.5 | 03 | 3.0 | 23 | 36 | 20 | 02 | 14 | |
| 15 | 73 | 66 | 70* | -6 | 64 | 66 | 0 | 5 | RA | 0 | | 0.0 | 0.06 | 29.91 | 30.03 | 5.3 | 34 | 5.7 | 17 | 30 | 14 | 31 | 15 | |
| 16 | 85 | 63 | 74 | -2 | 60 | 66 | 0 | 9 | | 0 | | 0.0 | 0.00 | 29.90 | 30.02 | 2.8 | 03 | 4.0 | 16 | 06 | 12 | 03 | 16 | |
| 17 | 90 | 64 | 77 | 0 | 61 | 67 | 0 | 12 | | 0 | | 0.0 | 0.00 | 29.85 | 29.98 | 1.8 | 16 | 3.2 | 17 | 16 | 14 | 16 | 17 | |
| 18 | 88 | 65 | 77 | 0 | 61 | 67 | 0 | 12 | BR | 0 | | 0.0 | 0.00 | 29.83 | 29.94 | 4.7 | 16 | 5.5 | 24 | 15 | 21 | 14 | 18 | |
| 19 | 88 | 62* | 75 | -2 | 62 | 67 | 0 | 10 | | 0 | | 0.0 | 0.00 | 29.85 | 29.96 | 6.8 | 14 | 7.0 | 24 | 14 | 20 | 13 | 19 | |
| 20 | 89 | 65 | 77 | 0 | 64 | 69 | 0 | 12 | BR | 0 | | 0.0 | 0.00 | 29.94 | 30.05 | 3.6 | 13 | 4.4 | 20 | 11 | 15 | 12 | 20 | |
| 21 | 93 | 70 | 82 | 5 | 63 | 70 | 0 | 17 | | 0 | | 0.0 | 0.00 | 29.95 | 30.06 | 0.8 | 28 | 3.0 | 16 | 22 | 12 | 22 | 21 | |
| 22 | 93 | 72 | 83 | 6 | 63 | 70 | 0 | 18 | | 0 | | 0.0 | 0.00 | 29.80 | 29.94 | 2.8 | 23 | 5.6 | 22 | 25 | 14 | 27 | 22 | |
| 23 | 90 | 72 | 81 | 4 | 65 | 71 | 0 | 16 | | 0 | | 0.0 | 0.00 | 29.65 | 29.79 | 9.8 | 17 | 10.5 | 31 | 15 | 22 | 14 | 23 | |
| 24 | 90 | 75 | 83 | 6 | 68 | 73 | 0 | 18 | | 0 | | 0.0 | 0.00 | 29.64 | 29.75 | 14.1 | 17 | 14.3 | 31 | 15 | 25 | 15 | 24 | |
| 25 | 91 | 78 | 85* | 7 | 70 | 74 | 0 | 20 | | 0 | | 0.0 | 0.00 | 29.82 | 29.91 | 12.9 | 15 | 13.4 | 30 | 15 | 23 | 14 | 25 | |
| 26 | 91 | 75 | 83 | 5 | 69 | 73 | 0 | 18 | | 0 | | 0.0 | 0.00 | 29.89 | 30.00 | 9.4 | 14 | 9.8 | 24 | 11 | 21 | 13 | 26 | |
| 27 | 92 | 70 | 81 | 3 | 69 | 73 | 0 | 16 | | 0 | | 0.0 | 0.00 | 29.83 | 29.95 | 7.6 | 16 | 8.3 | 31 | 15 | 21 | 16 | 27 | |
| 28 | 94 | 70 | 82 | 4 | 67 | 72 | 0 | 17 | | 0 | | 0.0 | 0.00 | 29.78 | 29.90 | 6.5 | 18 | 7.0 | 23 | 15 | 17 | 16 | 28 | |
| 29 | 95* | 72 | 84 | 6 | 69 | 74 | 0 | 19 | | 0 | | 0.0 | 0.00 | 29.76 | 29.88 | 4.4 | 19 | 6.2 | 22 | 23 | 15 | 22 | 29 | |
| 30 | 94 | 74 | 84 | 5 | 71 | 75 | 0 | 19 | | 0 | | 0.0 | 0.00 | 29.71 | 29.84 | 5.4 | 16 | 7.2 | 22 | 16 | 17 | 16 | 30 | |
| 31 | 90 | 74 | 82 | 3 | 68 | 72 | 0 | 17 | RA | 0 | | 0.0 | T | 29.70 | 29.81 | 0.3 | 08 | 6.5 | 28 | 03 | 23 | 03 | 31 | |
| 88.6 | | 69.1 | 78.9 | ☼ | 65.8 | 70.2 | 0.0 | 14.0 | < MONTHLY AVERAGES TOTALS > | | | 0.0 | 0.77 | 29.82 | 29.93 | 3.7 | 15 | 7.2 | < MONTHLY AVERAGES | | | | | |
| 2.3 | 1.5 | 2.0 | <-----DEPARTURE FROM NORMAL-----> | | | | | | -4.32 | SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3 | | | | | | | | | | | | | | |
| DEGREE DAYS | | | | | | | | | GREATEST 24-HR PRECIPITATION : 0.43 DATE : 10-11 | | | | SEA LEVEL PRESSURE | | | | DATE | | TIME | | | | | |
| MONTHLY | | | | | | | | | GREATEST 24-HR SNOWFALL : 0.0 DATE : | | | | MAXIMUM : | | | | 13 | | 1041 | | | | | |
| TOTAL DEPARTURE | | | | | | | | | GREATEST SNOW DEPTH : 0 DATE : | | | | MINIMUM : | | | | 24 | | 0353 | | | | | |
| SEASON TO DATE | | | | | | | | | NUMBER OF -> DAYS WITH | | | | MAXIMUM TEMP >= 90 : 16 | | MINIMUM TEMP <= 32 : 0 | | PRECIPITATION >= 0.01 INCH : 7 | | | | | | | |
| TOTAL DEPARTURE | | | | | | | | | HEATING : 0 -1 | | 965 -560 | | MAXIMUM TEMP <= 32 : 0 | | MINIMUM TEMP <= 0 : 0 | | PRECIPITATION >= 0.10 INCH : 3 | | | | | | | |
| TOTAL DEPARTURE | | | | | | | | | COOLING : 435 64 | | 959 385 | | THUNDERSTORMS : 4 | | HEAVY FOG : 0 | | SNOWFALL >= 1.0 INCH : 0 | | | | | | | |

MAY 2012
HOUSTON, TX

HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

HOUSTON, TX (KIAH)
MAY 2012

WBAN # 12960

| Date | FOR HOUR (LST) ENDING AT | | | | | | | | | | | | Date | FOR HOUR (LST) ENDING AT | | | | | | | | | | | | Date | Sum of Hourly Data | 2400 LST |
|------|--------------------------|------|------|------|------|------|---|---|------|------|------|----|------|--------------------------|----|----|------|----|------|----|----|------|----|------|----|------|--------------------|--------------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | | | Water Equiv. |
| 01 | | T | T | | | | | | | | | | 01 | | | | | | | | | | | | 01 | T | T | |
| 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 | | | | | | | | | | | 0.05 | | 07 | 0.05 | 0.05 |
| 08 | 0.01 | 0.02 | | | | | | | | | | | 08 | | | T | T | | T | T | | | | | 08 | 0.03 | 0.03 | |
| 09 | | | | | | | | | | | | | 09 | | | | | | | | | | | | | 09 | 0.00 | 0.00 |
| 10 | | | | | | | | | | | | | 10 | | | | | T | T | | T | 0.01 | T | | 10 | 0.01 | 0.01 | |
| 11 | 0.05 | 0.16 | 0.08 | 0.04 | T | | | | | | | | 11 | | | | | T | 0.09 | T | T | T | | | 11 | 0.42 | 0.42 | |
| 12 | 0.02 | T | T | | 0.01 | 0.07 | T | | | | | | 12 | | | | | | | | | | | | 12 | 0.10 | 0.10 | |
| 13 | | | | | | | | | | | | | 13 | | | | | | | | | | | | 13 | 0.00 | 0.00 | |
| 14 | | | | | | | | | | | | | 14 | | | T | 0.10 | | | | | | | | 14 | 0.10 | 0.10 | |
| 15 | | | | | | | | T | 0.01 | 0.01 | 0.03 | T | 15 | T | T | | | | | T | T | 0.01 | | | 15 | 0.06 | 0.06 | |
| 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 | | | | | | | | | | | | | 23 | | | | | | | | | | | | | 23 | 0.00 | 0.00 |
| 24 | | | | | | | | | | | | | 24 | | | | | | | | | | | | | 24 | 0.00 | 0.00 |
| 25 | | | | | | | | | | | | | 25 | | | | | | | | | | | | | 25 | 0.00 | 0.00 |
| 26 | | | | | | | | | | | | | 26 | | | | | | | | | | | | | 26 | 0.00 | 0.00 |
| 27 | | | | | | | | | | | | | 27 | | | | | | | | | | | | | 27 | 0.00 | 0.00 |
| 28 | | | | | | | | | | | | | 28 | | | | | | | | | | | | | 28 | 0.00 | 0.00 |
| 29 | | | | | | | | | | | | | 29 | | | | | | | | | | | | | 29 | 0.00 | 0.00 |
| 30 | | | | | | | | | | | | | 30 | | | | | | | | | | | | | 30 | 0.00 | 0.00 |
| 31 | | | | | | | | | | T | | T | 31 | T | | | | | | | | | | | | 31 | T | T |

* 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) | 0.05 | 0.06 | 0.08 | 0.10 | 0.12 | 0.15 | 0.18 | 0.21 | 0.23 | 0.26 | 0.28 | 0.31 |
| Ending Date | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| Ending Time (Hr/Min) | 0130 | 0136 | 0139 | 0139 | 0147 | 0206 | 0206 | 0206 | 0221 | 0250 | 0310 | 0341 |

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 1981-2010

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 MAY 2012

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 | | | | | | | 9.00 | 10.00 | |
| 02 | | | | | | | 9.00 | 10.00 | |
| 03 | | | | | | | 10.00 | 10.00 | |
| 04 | | | | | | | 5.00 | 10.00 | |
| 05 | | | | | | | 8.00 | 10.00 | |
| 06 | | | | | | | 9.00 | 10.00 | |
| 07 | | | | | | | 8.00 | 10.00 | |
| 08 | | | | | | | 10.00 | 10.00 | |
| 09 | | | | | | | 10.00 | 10.00 | |
| 10 | | | | | | | 10.00 | 10.00 | |
| 11 | | | | | | | 7.00 | 10.00 | |
| 12 | | | | | | | 6.00 | 10.00 | |
| 13 | | | | | | | 7.00 | 10.00 | |
| 14 | | | | | | | 9.00 | 10.00 | |
| 15 | | | | | | | 7.00 | 10.00 | |
| 16 | | | | | | | 10.00 | 10.00 | |
| 17 | | | | | | | 8.00 | 10.00 | |
| 18 | | | | | | | 6.00 | 10.00 | |
| 19 | | | | | | | 7.00 | 10.00 | |
| 20 | | | | | | | 6.00 | 10.00 | |
| 21 | | | | | | | 9.00 | 10.00 | |
| 22 | | | | | | | 10.00 | 10.00 | |
| 23 | | | | | | | 10.00 | 10.00 | |
| 24 | | | | | | | 10.00 | 10.00 | |
| 25 | | | | | | | 10.00 | 10.00 | |
| 26 | | | | | | | 9.00 | 10.00 | |
| 27 | | | | | | | 9.00 | 10.00 | |
| 28 | | | | | | | 10.00 | 10.00 | |
| 29 | | | | | | | 10.00 | 10.00 | |
| 30 | | | | | | | 7.00 | 10.00 | |
| 31 | | | | | | | 10.00 | 10.00 | |
| MONTHLY AVGS | | | | | | | 8.55 | 10.00 | |
| SUNSHINE (Minutes) | | | | | | | | | |
| Total : 0 | | | | | Possible : 25401 | | | | |
| Percent Possible : 0 | | | | | | | | | |
| NUMBER OF DAYS WITH : | | | | | | | | | |
| SKY CONDITION | | | | | | | | | |
| Clear | | Partly CLDY | | | Cloudy | | | Missing | |
| MINIMUM VISIBILITY (MILES) | | | | | | | | | |
| <= .25 | | | <= 3.0 | | | | >= 7.0 | | |
| 0 | | | 0 | | | | 27 | | |

OBSERVATIONS AT 3-HOURLY INTERVALS

| HOUR (LST) | SKY COVER | CEILING 100's of FT. | SATELLITE | | WEATHER | TEMPERATURE °F | | | WIND RELATIVE HUMIDITY (PCT) | WIND SPEED (MPH) DIRECTION Tens of Deg | PRESSURE (INCHES, HG) | |
|-----------------------------|-----------|-------------------------|---------------------------|----------------------|---------|-----------------------|----------|-----------|---------------------------------|---|--------------------------|---------|
| | | | Observation Time (LST) | Eff Clد Amt Oktas | | VISIBILITY (MILES) | DRY BULB | DEW POINT | | | WET BULB | STATION |
| SUNRISE: 0523 MAY 25 | | | | | | SUNSET: 1913 | | | | | | |
| 03 | BKN | 028 | | | | 79 | 70 | 73 | 74 | 9 17 | 29.70 | 29.81 |
| 06 | BKN | 037 | | | | 79 | 71 | 74 | 77 | 9 16 | 29.76 | 29.86 |
| 09 | SCT | 029 | | | | 85 | 70 | 75 | 61 | 17 16 | 29.81 | 29.91 |
| 12 | BKN | 042 | | | | 88 | 69 | 75 | 53 | 15 17 | 29.83 | 29.93 |
| 15 | SCT | 042 | | | | 90 | 69 | 76 | 50 | 15 14 | 29.82 | 29.92 |
| 18 | SCT | 042 | | | | 83 | 72 | 75 | 70 | 18 12 | 29.82 | 29.93 |
| 21 | SCT | 250 | | | | 80 | 72 | 75 | 77 | 13 14 | 29.87 | 29.97 |
| 24 | CLR | NC | | | | 78 | 71 | 73 | 79 | 11 15 | 29.88 | 29.99 |
| SUNRISE: 0523 MAY 26 | | | | | | SUNSET: 1914 | | | | | | |
| 03 | BKN | 030 | | | | 78 | 71 | 73 | 79 | 3 17 | 29.89 | 30.00 |
| 06 | BKN | 030 | | | | 76 | 71 | 73 | 85 | 3 17 | 29.92 | 30.03 |
| 09 | SCT | 250 | | | | 82 | 72 | 75 | 72 | 7 15 | 29.95 | 30.05 |
| 12 | SCT | 250 | | | | 88 | 69 | 75 | 53 | 11 12 | 29.94 | 30.04 |
| 15 | SCT | 250 | | | | 90 | 66 | 74 | 45 | 13 13 | 29.88 | 29.99 |
| 18 | SCT | 250 | | | | 85 | 68 | 74 | 57 | 16 14 | 29.87 | 29.97 |
| 21 | SCT | 250 | | | | 78 | 70 | 73 | 77 | 10 14 | 29.88 | 29.99 |
| 24 | SCT | 250 | | | | 76 | 70 | 72 | 82 | 3 17 | 29.87 | 29.98 |
| SUNRISE: 0523 MAY 27 | | | | | | SUNSET: 1915 | | | | | | |
| 03 | FEW | 250 | | | | 73 | 70 | 71 | 90 | 0 00 | 29.87 | 29.97 |
| 06 | FEW | 250 | | | | 72 | 69 | 70 | 90 | 3 13 | 29.88 | 29.98 |
| 09 | SCT | 100 | | | | 85 | 69 | 74 | 59 | 9 20 | 29.89 | 30.00 |
| 12 | SCT | 250 | | | | 89 | 66 | 74 | 47 | 14 15 | 29.85 | 29.96 |
| 15 | SCT | 250 | | | | 91 | 64 | 73 | 41 | 13 19 | 29.81 | 29.91 |
| 18 | SCT | 250 | | | | 85 | 70 | 75 | 61 | 15 14 | 29.79 | 29.90 |
| 21 | SCT | 250 | | | | 79 | 69 | 72 | 72 | 9 14 | 29.81 | 29.92 |
| 24 | FEW | 250 | | | | 76 | 70 | 72 | 82 | 5 17 | 29.80 | 29.91 |
| SUNRISE: 0522 MAY 28 | | | | | | SUNSET: 1915 | | | | | | |
| 03 | SCT | 250 | | | | 72 | 69 | 70 | 90 | 3 20 | 29.79 | 29.89 |
| 06 | CLR | NC | | | | 71 | 69 | 70 | 93 | 0 00 | 29.82 | 29.93 |
| 09 | FEW | 030 | | | | 83 | 67 | 72 | 59 | 8 18 | 29.84 | 29.94 |
| 12 | SCT | 047 | | | | 89 | 63 | 72 | 42 | 11 18 | 29.82 | 29.92 |
| 15 | FEW | 070 | | | | 91 | 61 | 71 | 37 | 0 00 | 29.76 | 29.87 |
| 18 | FEW | 070 | | | | 89 | 68 | 75 | 50 | 13 14 | 29.72 | 29.83 |
| 21 | CLR | NC | | | | 81 | 70 | 74 | 69 | 10 18 | 29.75 | 29.86 |
| 24 | CLR | NC | | | | 77 | 70 | 72 | 79 | 5 20 | 29.81 | 29.91 |
| SUNRISE: 0522 MAY 29 | | | | | | SUNSET: 1916 | | | | | | |
| 03 | SCT | 022 | | | | 74 | 70 | 71 | 87 | 0 00 | 29.80 | 29.91 |
| 06 | SCT | 250 | | | | 75 | 71 | 72 | 87 | 8 17 | 29.76 | 29.87 |
| 09 | SCT | 130 | | | | 84 | 70 | 74 | 63 | 11 21 | 29.82 | 29.93 |
| 12 | SCT | 050 | | | | 91 | 65 | 74 | 42 | 7 22 | 29.82 | 29.92 |
| 15 | SCT | 060 | | | | 93 | 64 | 74 | 38 | 3 14 | 29.76 | 29.87 |
| 18 | SCT | 250 | | | | 93 | 64 | 74 | 38 | 0 00 | 29.71 | 29.82 |
| 21 | CLR | NC | | | | 85 | 72 | 76 | 65 | 13 18 | 29.74 | 29.85 |
| 24 | FEW | 020 | | | | 79 | 73 | 75 | 82 | 3 18 | 29.78 | 29.88 |
| SUNRISE: 0522 MAY 30 | | | | | | SUNSET: 1916 | | | | | | |
| 03 | FEW | 013 | | | 7.00 | 77 | 73 | 74 | 88 | 6 19 | 29.74 | 29.85 |
| 06 | FEW | 014 | | | 10.00 | 74 | 71 | 72 | 90 | 3 16 | 29.78 | 29.88 |
| 09 | BKN | 060 | | | 10.00 | 84 | 71 | 75 | 65 | 6 35 | 29.83 | 29.94 |
| 12 | SCT | 043 | | | 10.00 | 88 | 67 | 74 | 50 | 10 15 | 29.77 | 29.87 |
| 15 | SCT | 070 | | | 10.00 | 92 | 71 | 77 | 50 | 10 11 | 29.71 | 29.82 |
| 18 | FEW | 050 | | | 10.00 | 89 | 68 | 75 | 50 | 15 16 | 29.65 | 29.75 |
| 21 | FEW | 250 | | | 10.00 | 82 | 71 | 74 | 69 | 7 18 | 29.68 | 29.79 |
| 24 | SCT | 019 | | | 10.00 | 80 | 73 | 75 | 79 | 9 15 | 29.69 | 29.79 |

| HOUR (LST) | SKY COVER | CEILING 100's of FT. | SATELLITE | | WEATHER | TEMPERATURE °F | | | WIND RELATIVE HUMIDITY (PCT) | WIND SPEED (MPH) DIRECTION Tens of Deg | PRESSURE (INCHES, HG) | |
|-----------------------------|-----------|-------------------------|---------------------------|----------------------|---------|-----------------------|----------|-----------|---------------------------------|---|--------------------------|---------|
| | | | Observation Time (LST) | Eff Clد Amt Oktas | | VISIBILITY (MILES) | DRY BULB | DEW POINT | | | WET BULB | STATION |
| SUNRISE: 0521 MAY 31 | | | | | | SUNSET: 1917 | | | | | | |
| 03 | SCT | 015 | | | | 79 | 73 | 75 | 82 | 9 19 | 29.63 | 29.73 |
| 06 | SCT | 055 | | | | 78 | 73 | 75 | 85 | 9 16 | 29.67 | 29.77 |
| 09 | BKN | 250 | | | | 84 | 71 | 75 | 65 | 6 29 | 29.76 | 29.86 |
| 12 | BKN | 110 | | | | 83 | 69 | 74 | 63 | 7 35 | 29.75 | 29.85 |
| 15 | OVC | 150 | | | -RA | 83 | 68 | 73 | 61 | 15 16 | 29.64 | 29.75 |
| 18 | SCT | 250 | | | | 86 | 66 | 73 | 51 | 0 00 | 29.65 | 29.76 |
| 21 | FEW | 250 | | | | 81 | 63 | 69 | 54 | 6 01 | 29.73 | 29.84 |
| 24 | CLR | NC | | | | 74 | 64 | 68 | 71 | 0 00 | 29.79 | 29.89 |

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.

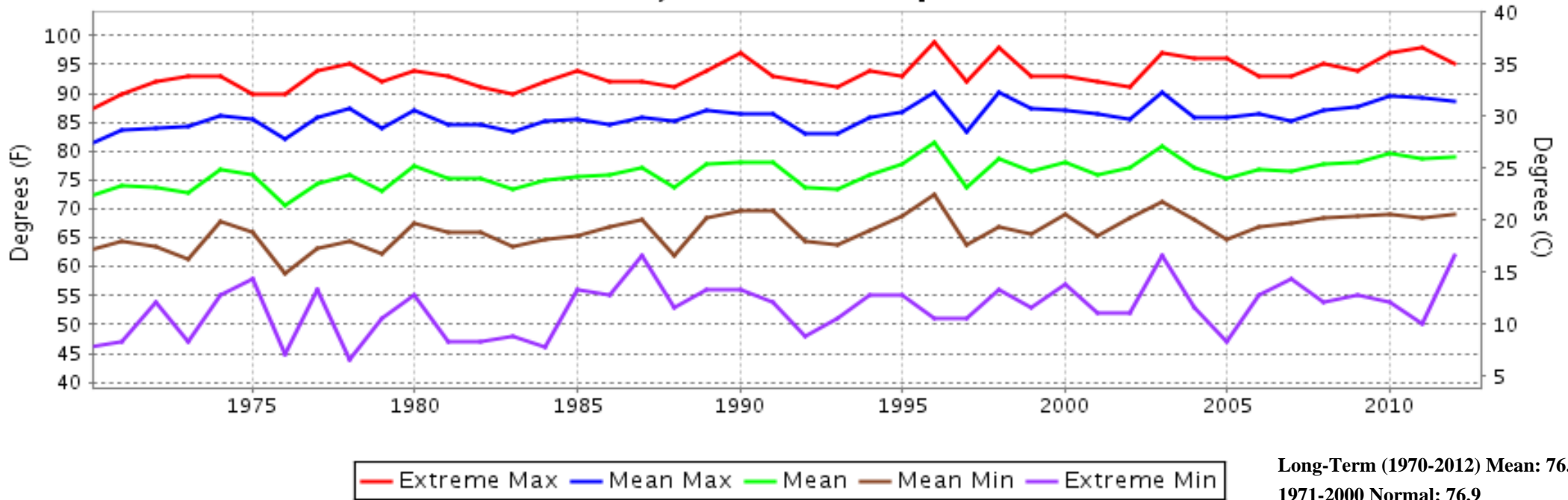
& = Original observation contained additional weather elements.

See page 3 for additional notes.

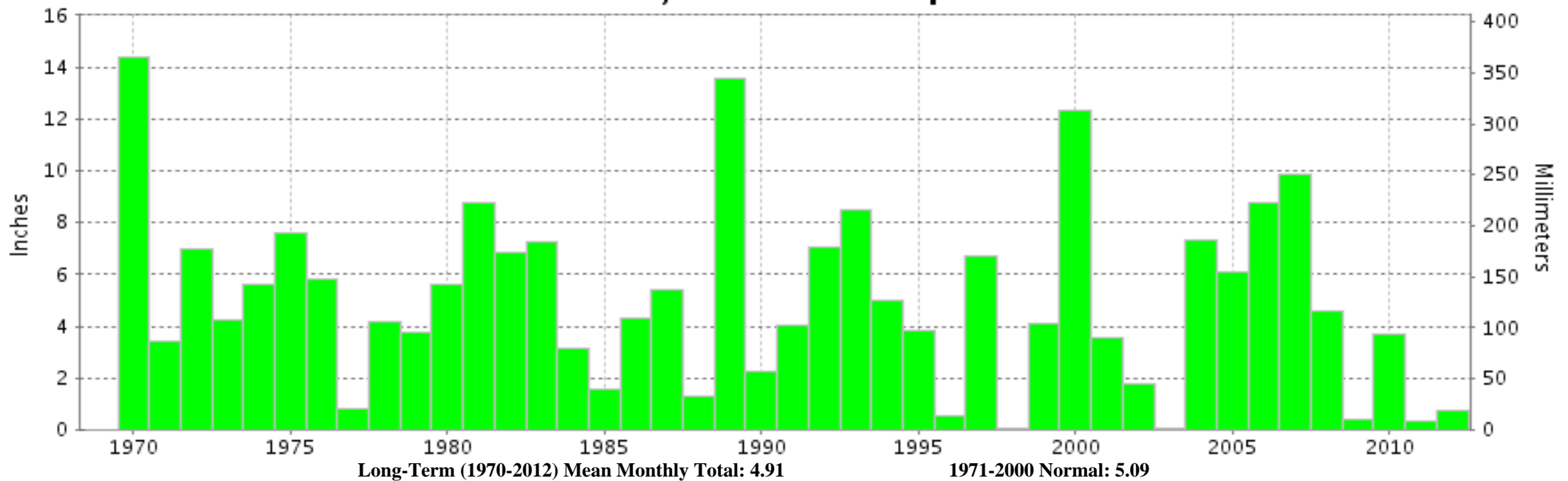
SUMMARY BY HOUR

| 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 | | | 73 | 67 | 69 | 82 | 29.83 | 29.94 | 9.90 | 4 | 2 | 17 |
| 02 | | | 72 | 67 | 69 | 83 | 29.82 | 29.92 | 9.71 | 4 | 3 | 15 |
| 03 | | | 71 | 66 | 68 | 85 | 29.81 | 29.92 | 9.71 | 4 | 3 | 14 |
| 04 | | | 71 | 66 | 68 | 85 | 29.82 | 29.92 | 9.68 | 4 | 3 | 15 |
| 05 | | | 71 | 66 | 68 | 86 | 29.82 | 29.93 | 9.65 | 3 | 3 | 17 |
| 06 | | | 71 | 66 | 68 | 87 | 29.83 | 29.94 | 9.10 | 3 | 3 | 15 |
| 07 | | | 74 | 68 | 70 | 81 | 29.84 | 29.95 | 9.42 | 5 | 2 | 16 |
| 08 | | | 77 | 67 | 71 | 73 | 29.86 | 29.97 | 9.90 | 7 | 2 | 16 |
| 09 | | | 80 | 66 | 71 | 64 | 29.86 | 29.97 | 9.94 | 8 | 2 | 17 |
| 10 | | | 82 | 65 | 71 | 58 | 29.87 | 29.97 | 9.90 | 8 | 2 | 15 |
| 11 | | | 84 | 65 | 71 | 54 | 29.86 | 29.97 | 9.94 | 9 | 2 | 15 |
| 12 | | | 85 | 64 | 72 | 51 | 29.85 | 29.96 | 9.90 | 9 | 4 | 12 |
| 13 | | | 86 | 64 | 72 | 48 | 29.84 | 29.94 | 10.00 | 9 | 4 | 12 |
| 14 | | | 86 | 64 | 72 | 48 | 29.82 | 29.92 | 10.00 | 10 | 5 | 12 |
| 15 | | | 86 | 64 | 72 | 48 | 29.80 | 29.91 | 10.00 | 10 | 5 | 11 |
| 16 | | | 86 | 64 | 72 | 49 | 29.79 | 29.90 | 10.00 | 11 | 6 | 11 |
| 17 | | | 85 | 64 | 71 | 50 | 29.78 | 29.89 | 10.00 | 11 | 5 | 11 |
| 18 | | | 83 | 65 | 71 | 56 | 29.78 | 29.89 | 10.00 | 11 | 6 | 11 |
| 19 | | | 81 | 66 | 71 | 62 | 29.79 | 29.90 | 10.00 | 9 | 5 | 11 |
| 20 | | | 79 | 66 | 70 | 66 | 29.80 | 29.91 | 10.00 | 8 | 4 | 12 |
| 21 | | | 77 | 67 | 70 | 70 | 29.82 | 29.92 | 10.00 | 7 | 3 | 13 |
| 22 | | | 76 | 67 | 70 | 74 | 29.83 | 29.94 | 10.00 | 6 | 3 | 14 |
| 23 | | | 75 | 67 | 70 | 77 | 29.83 | 29.94 | 9.97 | 5 | 2 | 16 |
| 24 | | | 74 | 67 | 69 | 79 | 29.83 | 29.94 | 9.94 | 5 | 2 | 16 |

HOUSTON, TX MAY Temperatures



HOUSTON, TX MAY Precipitation





**MAY 2012
HOUSTON, TX**

**LOCAL CLIMATOLOGICAL DATA
NOAA, National Climatic Data Center**

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A handwritten signature in black ink, appearing to read "Thomas R. Karl".

DIRECTOR

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