

PUBLIC INFORMATION STATEMENT
NATIONAL WEATHER SERVICE HOUSTON/GALVESTON TX
546 AM CDT SAT SEP 7 2013

...DROUGHT CONDITIONS EASE OVER PORTIONS OF SOUTHEAST TEXAS DURING THE MONTH OF AUGUST...

TEMPERATURES ACROSS SOUTHEAST TEXAS WERE NEAR TO SLIGHTLY ABOVE NORMAL DURING THE MONTH OF AUGUST 2013. THE MONTH BEGAN AND ENDED WITH SEVERAL LOCATIONS EXPERIENCING DAYTIME TEMPERATURES NEAR 100. IN CONTRAST...THE MID MONTH PERIOD EXPERIENCED COOLER AND WETTER CONDITIONS. THE DROUGHT CONDITIONS WERE EASED OVER PORTIONS OF THE COASTAL COUNTIES SOUTH OF FREEPORT WHERE ABOVE NORMAL RAINFALL FELL.

THE SUBTROPICAL RIDGE SETTLED OVERHEAD THE CENTRAL AND EASTERN PARTS OF THE STATE DURING THE FIRST TWO WEEKS OF THE MONTH. THIS CAUSED SEVERAL LOCATIONS INLAND OF THE COAST TO EXPERIENCE 100 DEGREE AFTERNOONS. IN ADDITION TO THE HOT AMBIENT AIR TEMPERATURES...HEAT ADVISORIES WERE ISSUED FROM THE 4TH TO THE 9TH. RELIEF ARRIVED DURING THE THIRD WEEK OF AUGUST AS A WEAKNESS IN THE UPPER LEVEL RIDGE EVOLVED INTO AN UPPER LEVEL TROUGH THAT EXTENDED OVER THE TEXAS COAST. THE RESULTING NORTHERLY FLOW PUSHED A COLD FRONT THROUGH THE AREA THAT IN TURN BROUGHT RAIN AND COOLER TEMPERATURES WHICH ALLEVIATED THE EARLIER HOT AND DRY WEATHER. EVEN THOUGH THE SUBTROPICAL RIDGE RE-ESTABLISHED ITSELF OVER THE SOUTHERN PLAINS DURING THE LAST WEEK OF THE MONTH...A RETURN OF DAYTIME TEMPERATURES IN THE 90S TO AROUND 100 WERE RELIEVED BY ISOLATED TO SCATTERED SHOWERS AND THUNDERSTORMS.

BENEFICIAL RAINFALL HELPED EASE THE SEVERE DROUGHT CONDITIONS OVER THE MOST OF THE COASTAL COUNTIES. HOWEVER...SEVERAL 100 DEGREE DAYS OVERCAME THE RAINFALL BENEFIT ACROSS THE NORTHWESTERN SET OF COUNTIES. AS OF THE 27TH OF AUGUST...THE U.S. DROUGHT MONITOR FOUND EXTREME DROUGHT IN THOSE AREAS WEST OF THE BRAZOS RIVER AND NORTH OF INTERSTATE 10. SEVERE DROUGHT WAS FOUND OVER MOST OF THE REMAINING COUNTIES EXCEPT FOR CHAMBERS AND SOUTHERN LIBERTY COUNTIES WHERE ABNORMALLY DRY CONDITIONS WERE REPORTED.

HERE ARE THE AUGUST CLIMATE STATISTICS FOR THE FIRST AND SECOND ORDER CLIMATE STATIONS. NOTE THAT BELOW NORMAL RAINFALL WAS REPORTED AT ALL BUT TWO SITES.

| SITE | AVG HIGH | AVG LOW | AVG MONTH | DEP | RAIN | DEP |
|------|-------------|------------|--------------|------|------|-------|
| IAH | 95.2 | 75.2 | 85.3 | +0.7 | 3.33 | -0.43 |
| GLS | 89.7 | 79.7 | 84.7 | -0.3 | 3.85 | -0.54 |
| CLL | 99.4 | 75.2 | 87.3 | +2.0 | 0.78 | -1.90 |
| HOU | 94.6 | 75.7 | 85.1 | +0.9 | 1.47 | -3.59 |
| CXO | 96.1 | 71.3 | 83.7 | +0.9 | 0.33 | -3.01 |
| UTS | 97.0 | 74.4 | 85.7 | +1.2 | 1.43 | -1.92 |
| DWH | 96.5 | 74.1 | 85.3 | +2.7 | 2.30 | -2.40 |
| SGR | 95.9 | 74.4 | 85.1 | +1.7 | 1.29 | -2.85 |
| LBX | 92.5 | 72.5 | 82.5 | -0.1 | 3.97 | +0.34 |
| PSX | 91.8 | 77.6 | 84.7 | +0.4 | 4.10 | +1.14 |
| LVJ | 93.5 | 75.4 | 84.4 | +1.1 | 4.00 | -0.35 |
| HGX | 93.0 | 75.3 | 84.1 | +2.0 | 2.32 | -2.85 |

HERE ARE SOME AUGUST TEMPERATURE AND RAINFALL TOTALS AVAILABLE FROM THE HOUSTON/GALVESTON AREA NETWORK OF CO-OP OBSERVERS THAT HAVE REPORTED AS OF SEPTEMBER 7TH.

| LOCATION | RAINFALL (INCHES) | AVERAGE HIGH TEMPERATURE | AVERAGE LOW TEMPERATURE |
|------------------|----------------------|-----------------------------|----------------------------|
| ANAHUAC | 2.75 | 90.4 | 73.7 |
| BAYTOWN | 4.96 | 91.9 | 75.0 |
| BRENHAM | 3.32 | 95.9 | 72.7 |
| CALDWELL | 0.73 | N/A | N/A |
| CLEVELAND | 3.08 | 95.2 | 70.9 |
| CONROE | 1.52 | 96.0 | 74.1 |
| CROCKETT | 0.94 | 100.1 | 73.3 |
| FREEPORT 2NW | 4.56 | 92.2 | 78.5 |
| HOUSTON WESTBURY | 2.03 | N/A | N/A |
| HUNTSVILLE | 0.75 | 93.8 | 71.6 |
| KATY | 0.66 | N/A | N/A |
| LIBERTY | 3.00 | 94.8 | 73.9 |
| MADISONVILLE | 1.45 | 96.6 | 71.6 |
| MATAGORDA | 5.72 | 87.1 | 76.4 |
| NORTH HOUSTON | 2.47 | N/A | N/A |
| RICHARDS | 0.36 | 96.1 | 75.5 |
| SOMERVILLE DAM | 1.58 | 100.2 | 74.3 |
| SUGAR LAND | 1.29 | 95.9 | 74.4 |
| THOMPSONS 3WSW | 6.46 | 96.7 | 73.4 |
| TOMBALL | 3.97 | N/A | N/A |

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