Produced by Jimmy Fowler

## ...Record Break Heat...Emergence of Exceptional Drought

August broke almost every type of high temperature record possible. Not only did most locations experience their hottest month on record, but the City of College Station ( $112^{\circ} \mathrm{F}$ ), City of Houston ( $109^{\circ} \mathrm{F}$ ), and Houston-Hobby ( $109^{\circ} \mathrm{F}$ ) either tied or set new all-time daily high temperatures. City of College Station and Houston-Hobby shattered the previous number of consecutive triple digit heat days. The extreme heat was only made worse by the extreme lack of precipitation. HoustonHobby and Palacios both had there driest August's on record, and most of the area saw rainfall totals between three and six inches below normal. The combination of extreme heat and no rainfall led to an explosion of drought conditions across the area with the entire region now in at least Extreme Drought (D3) and areas along the coast in Exceptional Drought (D4) - the worst drought category.

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## By the Numbers: August 2023

| Location (records started) | Average Temp | Ranking | Total Rainfall | Ranking |
| :---: | :---: | :---: | :---: | :---: |
| City of Houston, TX (1888) | $91.0^{\circ} \mathrm{F}$ | Warmest on Record | 0.01" | $2^{\text {nd }}$ Driest |
| Houston Hobby, TX (1930) | $91.2^{\circ} \mathrm{F}$ | Warmest on Record | Trace | Driest on Record |
| City of Galveston, TX (1871) | $88.6^{\circ} \mathrm{F}$ | Warmest on Record | 0.27" | $6^{\text {th }}$ Driest |
| City of College Station, TX (1882) | $93.3{ }^{\circ} \mathrm{F}$ | Warmest on Record | 0.06" | $4^{\text {th }}$ Driest |
| Palacios, TX (1943) | $89.5^{\circ} \mathrm{F}$ | Warmest on Record | 0.02" | Driest on Record |
| Huntsville, TX (1997) | $93.0^{\circ} \mathrm{F}$ | Warmest on Record | Trace | Driest on Record Tied with 1999 |
| Sugar Land, TX (2000) | $90.3^{\circ} \mathrm{F}$ | Warmest on Record | 0.09" | Driest on Record Tied with 2011 |
| Conroe, TX (1997) | $89.4{ }^{\circ} \mathrm{F}$ | Warmest on Record | 0.01" | Driest on Record |
| Clover Field (Pearland), TX (1997) | $91.3^{\circ} \mathrm{F}$ | Warmest on Record | 0.14" | $2^{\text {nd }}$ Driest |
| David Wayne Hooks (Tomball), TX (1998) | $91.5^{\circ} \mathrm{F}$ | Warmest on Record | Trace | Driest on Record |
| Angleton, TX (1998) | $87.5^{\circ} \mathrm{F}$ | $2^{\text {nd }}$ Warmest | 0.33" | Driest on Record |
| League City, TX (1990) | $88.6^{\circ} \mathrm{F}$ | Warmest on Record | 0.75" | $2^{\text {nd }}$ Driest |

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## Precipitation Accumulation Graph

Accumulated Precipitation


## Precipitation Maps


$\left.\begin{array}{|c|c|c|c|c|c|c|}\hline & \text { Location } & \begin{array}{c}\text { Average } \\ \text { Hegh } \\ \text { Temp (F) }\end{array} & \begin{array}{c}\text { Average } \\ \text { Low Temp } \\ \text { (F) }\end{array} & \begin{array}{c}\text { Average } \\ \text { Temp } \\ \text { (F) }\end{array} & \begin{array}{c}\text { Departure } \\ \text { From Normal } \\ \text { Average (F) }\end{array} & \begin{array}{c}\text { Maximum } \\ \text { Temperature } \\ \text { (F) }\end{array}\end{array} \begin{array}{c}\text { Minimum } \\ \text { Temperature } \\ \text { (F) }\end{array}\right]$

## Temperature Charts

City of Houston


Houston-Hobby


City of College Station


City of Galveston

## ${ }^{43.3}$ -



# Daily Record Reports - City of College Station 

| Date | Record Type | New Record | Previous Record | Date | Record Type | New Record | Previous Record |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $1^{\text {st }}$ | High Maximum | $106^{\circ} \mathrm{F}-\mathrm{T}$ | $106^{\circ} \mathrm{F}$ in 2011 | $9^{\text {th }}$ | High Maximum | $107^{\circ} \mathrm{F}-\mathrm{T}$ | $107^{\circ} \mathrm{F}$ in 1962 |
| $2^{\text {nd }}$ | High Maximum | $106^{\circ} \mathrm{F}$ | $105^{\circ} \mathrm{F}$ in 2011 | $9^{\text {th }}$ | High Minimum | $83^{\circ} \mathrm{F}$ | $81^{\circ} \mathrm{F}$ in 1915 |
| $3^{\text {rd }}$ | High Minimum | $79^{\circ} \mathrm{F}-\mathrm{T}$ | $79^{\circ} \mathrm{F}$ in 2011 | $10^{\text {th }}$ | High Maximum | $107^{\circ} \mathrm{F}-\mathrm{T}$ | $107^{\circ} \mathrm{F}$ in 1962 |
| $4^{\text {th }}$ | High Minimum | $80^{\circ} \mathrm{F}-\mathrm{T}$ | $80^{\circ} \mathrm{F}$ in 1980 | $10^{\text {th }}$ | High Minimum | $83^{\circ} \mathrm{F}$ | $79^{\circ} \mathrm{F}$ in 2011 |
| $6^{\text {th }}$ | High Maximum | $105^{\circ} \mathrm{F}-\mathrm{T}$ | $105^{\circ} \mathrm{F}$ in 1951 | 11 ${ }^{\text {th }}$ | High Maximum | $108^{\circ} \mathrm{F}$ | $106^{\circ} \mathrm{F}$ in 2015 |
| $6^{\text {th }}$ | High Minimum | $83^{\circ} \mathrm{F}$ | $80^{\circ} \mathrm{F}$ in 1951 | $11^{\text {th }}$ | High Minimum | $83^{\circ} \mathrm{F}$ | $81^{\circ} \mathrm{F}$ in 2010 |
| $7^{\text {th }}$ | High Maximum | $106^{\circ} \mathrm{F}$ | $105^{\circ} \mathrm{F}$ in 1988 | $12^{\text {th }}$ | High Minimum | $82^{\circ} \mathrm{F}$ | $81^{\circ} \mathrm{F}$ in 2011 |
| $7^{\text {th }}$ | High Minimum | $84^{\circ} \mathrm{F}-\mathrm{T}$ | $84^{\circ} \mathrm{F}$ in 1899 | $13^{\text {th }}$ | High Maximum | $107^{\circ} \mathrm{F}$ | $105^{\circ} \mathrm{F}$ in 1951 |
| $8^{\text {th }}$ | High Maximum | $106^{\circ} \mathrm{F}-\mathrm{T}$ | $106^{\circ} \mathrm{F}$ in 1988 | $14^{\text {th }}$ | High Minimum | $82^{\circ} \mathrm{F}$ | $82^{\circ} \mathrm{F}$ in 1899 |
| $8^{\text {th }}$ | High Minimum | $82^{\circ} \mathrm{F}$ | $80^{\circ} \mathrm{F}$ in 1899 | $14^{\text {th }}$ | High Maximum | $107^{\circ} \mathrm{F}$ | $106^{\circ} \mathrm{F}$ in 1951 |

# Daily Record Reports - City of College Station 

| Date | Record Type | New Record | Previous Record |
| :---: | :--- | :---: | :---: |
| $15^{\text {th }}$ | High Minimum | $82^{\circ} \mathrm{F}$ | $80^{\circ} \mathrm{F}$ in 2010 |
| $18^{\text {th }}$ | High Maximum | $107^{\circ} \mathrm{F}$ | $106^{\circ} \mathrm{F}$ in 1945 |
| $19^{\text {th }}$ | High Minimum | $80^{\circ} \mathrm{F}$ | $79^{\circ} \mathrm{F}$ in 2021 |
| $19^{\text {th }}$ | High Maximum | $107^{\circ} \mathrm{F}$ | $105^{\circ} \mathrm{F}$ in 2011 |
| $20^{\text {th }}$ | High Minimum | $81^{\circ} \mathrm{F}-\mathrm{T}$ | $81^{\circ} \mathrm{F}$ in 1914 |
| $20^{\text {th }}$ | High Maximum | $112^{\circ} \mathrm{F}$ | $107^{\circ} \mathrm{F}$ in 1999 |
| $21^{\text {st }}$ | High Minimum | $83^{\circ} \mathrm{F}$ | $79^{\circ} \mathrm{F}$ in 2014 |
| $22^{\text {nd }}$ | High Minimum | $84^{\circ} \mathrm{F}$ | $78^{\circ} \mathrm{F}$ in 2010 |
| $23^{\text {rd }}$ | High Minimum | $81^{\circ} \mathrm{F}$ | $79^{\circ} \mathrm{F}$ in 1977 |
| $24^{\text {th }}$ | High Minimum | $81^{\circ} \mathrm{F}$ | $78^{\circ} \mathrm{F}$ in 2010 |


| Date | Record Type | New Record | Previous Record |
| :---: | :---: | :---: | :---: |
| $24^{\text {th }}$ | High Maximum | $111^{\circ} \mathrm{F}$ | $107^{\circ} \mathrm{F}$ in 2010 |
| $25^{\text {th }}$ | High Minimum | $83^{\circ} \mathrm{F}$ | $82^{\circ} \mathrm{F}$ in 1907 |
| $25^{\text {th }}$ | High Maximum | $109^{\circ} \mathrm{F}$ | $105^{\circ} \mathrm{F}$ in 1893 |
| $26^{\text {th }}$ | High Maximum | $108^{\circ} \mathrm{F}$ | $104^{\circ} \mathrm{F}$ in 1901 |
| $27^{\text {th }}$ | High Maximum | $112^{\circ} \mathrm{F}$ | $109^{\circ} \mathrm{F}$ in 2011 |
| $29^{\text {th }}$ | High Minimum | $81^{\circ} \mathrm{F}$ | $78^{\circ} \mathrm{F}$ in 2012 |

There were 36 daily records set at College
Station this month.

# Daily Record Reports - City of Houston 

| Date | Record Type | New Record | Previous Record | Date | Record Type | New Record | Previous Record |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $1^{\text {st }}$ | High Minimum | $82^{\circ} \mathrm{F}$ | $81^{\circ} \mathrm{F}$ in 2009 | $11^{\text {th }}$ | High Minimum | $83^{\circ} \mathrm{F}$ | $82^{\circ} \mathrm{F}$ in 2016 |
| $4^{\text {th }}$ | High Maximum | $102^{\circ} \mathrm{F}-\mathrm{T}$ | $102^{\circ} \mathrm{F}$ in 1951 | $12^{\text {th }}$ | High Minimum | $83^{\circ} \mathrm{F}-\mathrm{T}$ | $83^{\circ} \mathrm{F}$ in 2010 |
| $5^{\text {th }}$ | High Minimum | $81^{\circ} \mathrm{F}-\mathrm{T}$ | $81^{\circ} \mathrm{F}$ in 2010 | $14^{\text {th }}$ | High Maximum | $104^{\circ} \mathrm{F}$ | $102^{\circ} \mathrm{F}$ in 2019 |
| $5^{\text {th }}$ | High Maximum | $103^{\circ} \mathrm{F}-\mathrm{T}$ | $103^{\circ} \mathrm{F}$ in 1964 | $14^{\text {th }}$ | High Minimum | $81^{\circ} \mathrm{F}-\mathrm{T}$ | $81^{\circ} \mathrm{F}$ in 2017 |
| $6^{\text {th }}$ | High Minimum | $82^{\circ} \mathrm{F}$ | $81^{\circ} \mathrm{F}$ in 2011 | $15^{\text {th }}$ | High Maximum | $105^{\circ} \mathrm{F}$ | $101^{\circ} \mathrm{F}$ in 2020 |
| $6^{\text {th }}$ | High Maximum | $102^{\circ} \mathrm{F}$ | $101{ }^{\circ} \mathrm{F}$ in 2011 | $15^{\text {th }}$ | High Minimum | $83^{\circ} \mathrm{F}$ | $81^{\circ} \mathrm{F}$ in 2020 |
| $7^{\text {th }}$ | High Minimum | $82^{\circ} \mathrm{F}$ | $81^{\circ} \mathrm{F}$ in 2011 | 17 ${ }^{\text {th }}$ | High Maximum | $105^{\circ} \mathrm{F}$ | $104^{\circ} \mathrm{F}$ in 1909 |
| $8^{\text {th }}$ | High Minimum | $82^{\circ} \mathrm{F}$ | $81^{\circ} \mathrm{F}$ in 2019 | 19 ${ }^{\text {th }}$ | High Minimum | $81^{\circ} \mathrm{F}$ | $80^{\circ} \mathrm{F}$ in 2018 |
| $9^{\text {th }}$ | High Minimum | $83^{\circ} \mathrm{F}$ | $82^{\circ} \mathrm{F}$ in 2021 | $20^{\text {th }}$ | High Maximum | $108^{\circ} \mathrm{F}$ | $107^{\circ} \mathrm{F}$ in 1909 |
| $10^{\text {th }}$ | High Minimum | $82^{\circ} \mathrm{F}$ | $81^{\circ} \mathrm{F}$ in 2021 | $20^{\text {th }}$ | High Minimum | $82^{\circ} \mathrm{F}$ | $81^{\circ} \mathrm{F}$ in 2018 |

# Daily Record Reports - City of Houston 

| Date | Record Type | New Record | Previous Record |
| :---: | :---: | :---: | :---: |
| $22^{\text {nd }}$ | High Minimum | $82^{\circ} \mathrm{F}$ | $80^{\circ} \mathrm{F}$ in 1895 |
| $24^{\text {th }}$ | High Maximum | $109^{\circ} \mathrm{F}$ <br> All-Time Record High | $105^{\circ} \mathrm{F}$ in 1980 |
| $26^{\text {th }}$ | High Maximum | $104^{\circ} \mathrm{F}-\mathrm{T}$ | $104^{\circ} \mathrm{F}$ in 2011 |
| $27^{\text {th }}$ | High Maximum | $109^{\circ} \mathrm{F}-\mathrm{T}$ <br> All-Time Record High | $109^{\circ} \mathrm{F}$ in 2011 |

There were 24 daily records set at
Houston this month.


# Daily Record Reports - Houston-Hobby 

| Date | Record Type | New Record | Previous Record | Date | Record Type | New Record | Previous Record |
| :---: | :--- | :---: | :---: | :---: | :---: | :---: | :---: |
| $1^{\text {st }}$ | High Minimum | $82^{\circ} \mathrm{F}$ | $81^{\circ} \mathrm{F}$ in 2021 | $7^{\text {th }}$ | High Minimum | $81^{\circ} \mathrm{F}$ | $80^{\circ} \mathrm{F}$ in 2020 |
| $1^{\text {st }}$ | High Maximum | $101^{\circ} \mathrm{F}-\mathrm{T}$ | $101^{\circ} \mathrm{F}$ in 1998 | $8^{\text {th }}$ | High Minimum | $81^{\circ} \mathrm{F}-\mathrm{T}$ | $80^{\circ} \mathrm{F}$ in 2021 |
| $2^{\text {nd }}$ | High Maximum | $101^{\circ} \mathrm{F}-\mathrm{T}$ | $101^{\circ} \mathrm{F}$ in 1998 | $10^{\text {th }}$ | High Minimum | $81^{\circ} \mathrm{F}-\mathrm{T}$ | $81^{\circ} \mathrm{F}$ in 2021 |
| $3^{\text {rd }}$ | High Minimum | $81^{\circ} \mathrm{F}-\mathrm{T}$ | $81^{\circ} \mathrm{F}$ in 1998 | $11^{\text {th }}$ | High Minimum | $82^{\circ} \mathrm{F}$ | $81^{\circ} \mathrm{F}$ in 2021 |
| $4^{\text {th }}$ | High Maximum | $101^{\circ} \mathrm{F}$ | $100^{\circ} \mathrm{F}$ in 2022 | $12^{\text {th }}$ | High Minimum | $83^{\circ} \mathrm{F}$ | $82^{\circ} \mathrm{F}$ in 2007 |
| $5^{\text {th }}$ | High Maximum | $101^{\circ} \mathrm{F}$ | $100^{\circ} \mathrm{F}$ in 2013 | $12^{\text {th }}$ | High Maximum | $102^{\circ} \mathrm{F}-\mathrm{T}$ | $102^{\circ} \mathrm{F}$ in 2007 |
| $5^{\text {th }}$ | High Minimum | $80^{\circ} \mathrm{F}-\mathrm{T}$ | $80^{\circ} \mathrm{F}$ in 1998 | $14^{\text {th }}$ | High Maximum | $103^{\circ} \mathrm{F}$ | $101^{\circ} \mathrm{F}$ in 2007 |
| $6^{\text {th }}$ | High Maximum | $101^{\circ} \mathrm{F}-\mathrm{T}$ | $101^{\circ} \mathrm{F}$ in 1947 | $15^{\text {th }}$ | High Maximum | $104^{\circ} \mathrm{F}$ | $101^{\circ} \mathrm{F}$ in 1948 |
| $6^{\text {th }}$ | High Minimum | $81^{\circ} \mathrm{F}$ | $80^{\circ} \mathrm{F}$ in 2020 | $15^{\text {th }}$ | High Minimum | $83^{\circ} \mathrm{F}$ | $81^{\circ} \mathrm{F}$ in 2017 |
| $7^{\text {th }}$ | High Maximum | $102^{\circ} \mathrm{F}-\mathrm{T}$ | $102^{\circ} \mathrm{F}$ in 2003 | $16^{\text {th }}$ | High Maximum | $100^{\circ} \mathrm{F}-\mathrm{T}$ | $100^{\circ} \mathrm{F}$ in 2020 |
| records set at |  |  |  |  |  |  |  |
| Houston- |  |  |  |  |  |  |  |
| Hobby this |  |  |  |  |  |  |  |
| month. |  |  |  |  |  |  |  | <br> \title{

Daily Record Reports - Houston-Hobby
} <br> \title{
Daily Record Reports - Houston-Hobby
}

There were 38 daily records set at Houston-

Hobby this month.

| Date | Record Type | New Record | Previous Record | Date | Record Type | New Record | Previous Record |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $17^{\text {th }}$ | High Maximum | $103^{\circ} \mathrm{F}$ | $102^{\circ} \mathrm{F}$ in 2011 | $24^{\text {th }}$ | High Minimum | $82^{\circ} \mathrm{F}$ | $80^{\circ} \mathrm{F}$ in 2021 |  |
| $18^{\text {th }}$ | High Maximum | $102^{\circ} \mathrm{F}-\mathrm{T}$ | $102^{\circ} \mathrm{F}$ in 2011 | $25^{\text {th }}$ | High Minimum | $81^{\circ} \mathrm{F}-\mathrm{T}$ | $81^{\circ} \mathrm{F}$ in 2021 |  |
| $19^{\text {th }}$ | High Maximum | $103^{\circ} \mathrm{F}-\mathrm{T}$ | $103^{\circ} \mathrm{F}$ in 2011 | $25^{\text {th }}$ | High Maximum | $101^{\circ} \mathrm{F}$ | $98^{\circ} \mathrm{F}$ in 2014 |  |
| $20^{\text {th }}$ | High Maximum | $107^{\circ} \mathrm{F}$ | $101^{\circ} \mathrm{F}$ in 1999 | $26^{\text {th }}$ | High Maximum | $104^{\circ} \mathrm{F}$ | $100^{\circ} \mathrm{F}$ in 1990 | There were 38 daily records set at HoustonHobby this month. |
| $20^{\text {th }}$ | High Minimum | $82^{\circ} \mathrm{F}$ | $81^{\circ} \mathrm{F}$ in 2021 | $26^{\text {th }}$ | High Minimum | $80^{\circ} \mathrm{F}-\mathrm{T}$ | $80^{\circ} \mathrm{F}$ in 2020 |  |
| $21^{\text {st }}$ | High Minimum | $82^{\circ} \mathrm{F}$ | $81^{\circ} \mathrm{F}$ in 2017 | $27^{\text {th }}$ | High Maximum | $\begin{gathered} 109^{\circ} \mathrm{F} \\ \text { All-ime Record High } \end{gathered}$ | $106^{\circ} \mathrm{F}$ in 2011 |  |
| $22^{\text {nd }}$ | High Minimum | $84^{\circ} \mathrm{F}$ | $82^{\circ} \mathrm{F}$ in 2018 | $27^{\text {th }}$ | High Minimum | $80^{\circ} \mathrm{F}-\mathrm{T}$ | $80^{\circ} \mathrm{F}$ in 2019 |  |
| $23^{\text {rd }}$ | High Minimum | $81^{\circ} \mathrm{F}-\mathrm{T}$ | $81^{\circ} \mathrm{F}$ in 2017 | $28^{\text {th }}$ | High Minimum | $80^{\circ} \mathrm{F}-\mathrm{T}$ | $80^{\circ} \mathrm{F}$ in 2021 |  |
| $23^{\text {rd }}$ | High Maximum | $101^{\circ} \mathrm{F}$ - T | $101^{\circ} \mathrm{F}$ in 2011 |  |  |  |  |  |
| $24^{\text {th }}$ | High Maximum | $107^{\circ} \mathrm{F}$ | $100^{\circ} \mathrm{F}$ in 1980 |  |  |  |  |  |
|  | High Max | $x$ Low | Max | Precip | Key Sno | H Ligh Min |  | Low Min |

# Daily Record Reports - City of Galveston 

| Date | Record Type | New Record | Previous Record | Date | Record Type | New Record | Previous Record |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $5^{\text {th }}$ | High Minimum | $84^{\circ} \mathrm{F}-\mathrm{T}$ | $84^{\circ} \mathrm{F}$ in 2016 | $28^{\text {th }}$ | High Maximum | $97^{\circ} \mathrm{F}-\mathrm{T}$ | $97^{\circ} \mathrm{F}$ in 2011 |
| $6^{\text {th }}$ | High Minimum | $85^{\circ} \mathrm{F}-\mathrm{T}$ | $85^{\circ} \mathrm{F}$ in 2015 |  |  |  |  |
| $7^{\text {th }}$ | High Minimum | $85^{\circ} \mathrm{F}-\mathrm{T}$ | $85^{\circ} \mathrm{F}$ in 2011 |  |  |  |  |
| $9^{\text {th }}$ | High Minimum | $85^{\circ} \mathrm{F}-\mathrm{T}$ | $85^{\circ} \mathrm{F}$ in 2022 |  |  |  |  |
| $10^{\text {th }}$ | High Minimum | $85^{\circ} \mathrm{F}-\mathrm{T}$ | $85^{\circ} \mathrm{F}$ in 2020 |  |  |  |  |
| $11^{\text {th }}$ | High Minimum | $85^{\circ} \mathrm{F}-\mathrm{T}$ | $85^{\circ} \mathrm{F}$ in 2020 |  |  |  |  |
| $15^{\text {th }}$ | High Maximum | $96^{\circ} \mathrm{F}-\mathrm{T}$ | $96^{\circ} \mathrm{F}$ in 1874 |  |  |  |  |
| $20^{\text {th }}$ | High Maximum | $97^{\circ} \mathrm{F}-\mathrm{T}$ | $97^{\circ} \mathrm{F}$ in 1995 |  |  |  |  |
| $24^{\text {th }}$ | High Maximum | $99^{\circ} \mathrm{F}$ | $95^{\circ} \mathrm{F}$ in 2015 |  |  |  |  |
| $27^{\text {th }}$ | High Maximum | $101^{\circ} \mathrm{F}$ | $100^{\circ} \mathrm{F}$ in 2011 |  |  |  |  |

## Daily Record Reports - Palacios

| Date | Record Type | New Record | Previous Record | Date | Record Type | New Record | Previous Record |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $3^{\text {rd }}$ | High Minimum | $86^{\circ} \mathrm{F}-\mathrm{T}$ | $86^{\circ} \mathrm{F}$ in 2022 | $16^{\text {th }}$ | High Maximum | $100^{\circ} \mathrm{F}$ | $99^{\circ} \mathrm{F}$ in 2013 |
| $4^{\text {th }}$ | High Minimum | $87^{\circ} \mathrm{F}$ | $85^{\circ} \mathrm{F}$ in 2022 | $18^{\text {th }}$ | High Minimum | $85^{\circ} \mathrm{F}$ | $84^{\circ} \mathrm{F}$ in 2021 |
| $5^{\text {th }}$ | High Minimum | $87^{\circ} \mathrm{F}$ | $84^{\circ} \mathrm{F}$ in 2015 | $20^{\text {th }}$ | High Maximum | $100^{\circ} \mathrm{F}$ | $97^{\circ} \mathrm{F}$ in 1999 |
| $6^{\text {th }}$ | High Minimum | $87^{\circ} \mathrm{F}$ | $84^{\circ} \mathrm{F}$ in 2019 | $21^{\text {st }}$ | High Maximum | 99 ${ }^{\circ} \mathrm{F}$ | $98^{\circ} \mathrm{F}$ in 1951 |
| $7^{\text {th }}$ | High Minimum | $87^{\circ} \mathrm{F}$ | $85^{\circ} \mathrm{F}$ in 2019 | $24^{\text {th }}$ | High Maximum | $100^{\circ} \mathrm{F}$ | $97^{\circ} \mathrm{F}$ in 1988 |
| $9^{\text {th }}$ | High Minimum | $87^{\circ} \mathrm{F}$ | $86^{\circ} \mathrm{F}$ in 2019 | $26^{\text {th }}$ | High Maximum | $98^{\circ} \mathrm{F}$ | $96^{\circ} \mathrm{F}$ in 2020 |
| $10^{\text {th }}$ | High Minimum | $87^{\circ} \mathrm{F}$ | $84^{\circ} \mathrm{F}$ in 2019 | $27^{\text {th }}$ | High Maximum | $101^{\circ} \mathrm{F}$ | $99^{\circ} \mathrm{F}$ in 2011 |
| $11^{\text {th }}$ | High Minimum | $87^{\circ} \mathrm{F}$ | $86^{\circ} \mathrm{F}$ in 2019 | $28^{\text {th }}$ | High Maximum | $101^{\circ} \mathrm{F}$ | $98^{\circ} \mathrm{F}$ in 2012 |
| $14^{\text {th }}$ | High Minimum | $86^{\circ} \mathrm{F}-\mathrm{T}$ | $86^{\circ} \mathrm{F}$ in 2010 | 29th | High Maximum | $101^{\circ} \mathrm{F}$ | $98^{\circ} \mathrm{F}$ in 2012 |
| 15th | High Maximum | $99^{\circ} \mathrm{F}-\mathrm{T}$ | $99^{\circ} \mathrm{F}$ in 2015 | $30^{\text {th }}$ | High Maximum | $102^{\circ} \mathrm{F}$ | $101^{\circ} \mathrm{F}$ in 2012 |

Drought Monitor
As of August $29^{\text {th }}$

The extreme heat and below normal precipitation led drought conditions to rapidly deteriorate across the area. The entire region is in at least Extreme Drought (D3) with areas along the coast and across the east in Exceptional Drought (D4) - the worst drought category.


## August Outlook

| Location | Average <br> Temp( $\left.{ }^{\circ} \mathrm{F}\right)$ | Normal <br> High $\left({ }^{\circ} \mathrm{F}\right)$ | Normal Low <br> $\left({ }^{\circ} \mathrm{F}\right)$ |
| :---: | :---: | :---: | :---: |
| Galveston | 82.4 | 88.7 | 76.1 |
| Houston Hobby | 81.1 | 89.3 | 72.9 |
| City of Houston | 80.5 | 90.4 | 70.6 |
| College Station | 80.6 | 91.2 | 70.0 |
| Palacios | 81.5 | 90.0 | 73.0 |


| Location | Normal Monthly <br> Precipitation (in.) |
| :---: | :---: |
| Galveston | 6.65 |
| Houston Hobby | 5.76 |
| City of Houston | 4.71 |
| College Station | 3.50 |
| Palacios | 5.88 |



## The Climate Prediction Center's ENSO Forecast: El Niño Advisory

- El Niño conditions are present and are expected to gradually strengthen through the Winter.




## Climate Primary Site History

## Galveston (GLS)

Records for Galveston are from observations at the following locations: 67-69 Strand (April 1, 1871 - Aug 31, 1874); 23rd and the Strand (Sep 1, 1874 - July 29, 1878), 1.75 miles WSW of the previous location; the Custom House at Bath Street and the Strand (July 30, 1878 - May 8, 1882); Colorado and Santa Fe Railroad Building at 25th and the Strand (May 9, 1882 - March 14, 1883); back to the Custom House which later became the Cotton Exchange Building (March 15, 1883 - June 24, 1898), about a $1 / 3$ of a mile E of the previous Custom House location; The Levy Building at 2223 Market Street (June 25, 1898-Nov 26, 1900); the Trust Building at Tremont and Post Office Streets (Nov 27, 1900 June 24, 1946), one-quarter mile south of the Levy Building; the U.S. Post Office Building at 601 Rosenberg (June 25, 1946-1994); Scholes Field (January 1995 to present).

## City of Houston (IAH)

Records for the City of Houston are from observations at the following locations: Cotton Station from July 1881 through September 1909, Stewart Building at Preston and Fannin from September 1909 through February 1926, Shell Building at Texas and Fannin from March 1926 through August 1938, Federal Building at Franklin and Fannin from August 1938 through May 1969, Intercontinental Airport from June 1969 to the present.

## College Station (CLL)

Records from 1893 through July 1951 are based on observations taken at the Texas Agriculture Experiment COOP Station main farm located 6 miles southwest of College Station. Records from August 1951 through the present are based on observations taken at Easterwood Field.


