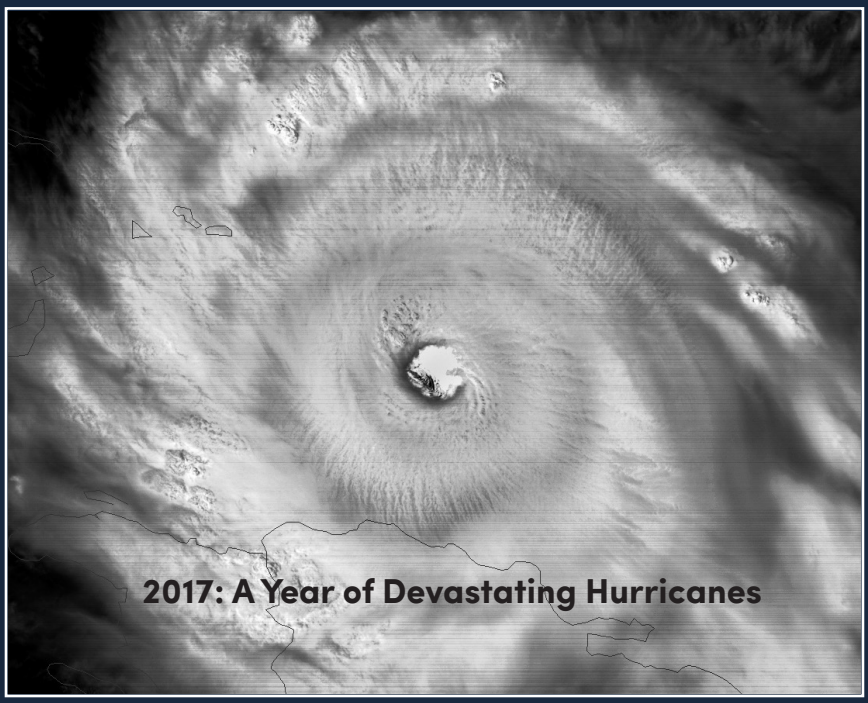
# 2018
# Mobile Weather and Marine Almanac




Prepared by
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# 2018 Mobile Weather and Marine Almanac©

## 28th Edition



Dr. Bill Williams



Pete McCarty

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*FRONT COVER PHOTO*: Hurricane Irma was located north of Hispaniola when this photo was taken by the GOES-16 satellite on September 7 at 1:08 p.m. CDT. Irma was moving WNW at 16 mph with sustained winds of 175 mph and a central pressure of 27.23".(Photo courtesy of University of Wisconsin/CIMSS)

*Astronomical data*: U.S. Naval Observatory. Tidal information: National Ocean Survey.

*Temperature and precipitation records*: Courtesy of the National Weather Service.
When a record has been tied in the tables on pages 3-14, only the latest record is shown.

*Typography, layout and printing*: University of South Alabama Publication Services.


The authors wish to thank **Dr. Keith Blackwell** for his contribution on the 2017 hurricane season and **Mr. D. Andrew Murray** for his analysis of hurricanes Harvey and Irma and for his assistance in proofreading the manuscript. Many thanks to **Dewey English** of AL.com for his valuable assistance with this year's photographs.


***(All temperatures in this book are in Fahrenheit)***


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## ASTRONOMICAL EVENTS FOR 2018

### BEGINNING OF SEASONS

**Spring:** March 20, 11:15 a.m. CDT
**Summer:** June 21, 5:07 a.m. CDT
**Autumn:** September 22, 8:54 p.m. CDT
**Winter:** December 21, 4:22 p.m. CST

### ECLIPSES

In the year 2018 there will be three eclipses of the Sun and two of the Moon.

1. Total lunar eclipse, January 31, visible in Mobile.
2. Partial solar eclipse, February 15, not visible in Mobile.
3. Partial solar eclipse, July 13, not visible in Mobile.
4. Total lunar eclipse, July 27, not visible in Mobile.
5. Partial solar eclipse, August 11, not visible in Mobile.

### BEST METEOR SHOWERS

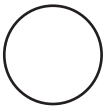
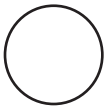
*(20 or more meteors at the peak hour)*

| Name | Peak Period |
|---|---|
| Quadrantids | Jan. 3-4 |
| Lyrids | Apr. 22-23 |
| Eta Aquarids | May 6-7 |
| Delta Aquarids | Jul. 28-29 |
| Perseids | Aug. 12-13 |
| Orionids | Oct. 21-22 |
| Geminids | Dec. 13-14 |



# JANUARY, 2018

All times listed are CENTRAL STANDARD TIME

| Full Moon | Last Quarter | New Moon | First Quarter | Full Moon |
|---|---|---|---|---|
|  |  |  |  |  |
| 1st 8:24 P.M. | 8th 4:25 P.M. | 16th 8:17 P.M. | 24th 4:20 P.M. | 31st 7:27 A.M. |

| DAY OF | | SUN | | MOON | | TEMPERATURE EXTREMES | | | | TEMPERATURE NORMALS | | | GREATEST PRECIP.* | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Month | Week | Rise | Set | Rise | Set | High | Year | Low | Year | High | Low | Mean | Total | Year |
| 1 | Mon | 6:50 | 5:02 | 4:57p | 6:07a | 79 | 1975 | 22 | 1984 | 61 | 40 | 50 | 5.84 | 2017 |
| 2 | Tue | 6:50 | 5:03 | 6:03p | 7:11a | 80 | 2006 | 18 | 1928 | 61 | 40 | 50 | 5.26 | 1936 |
| 3 | Wed | 6:50 | 5:04 | 7:11p | 8:09a | 79 | 1989 | 16 | 1887 | 61 | 40 | 50 | 2.15 | 1886 |
| 4 | Thu | 6:51 | 5:05 | 8:18p | 9:01a | 77 | 2004 | 17 | 1919 | 61 | 40 | 50 | 2.76 | 2015 |
| 5 | Fri | 6:51 | 5:05 | 9:22p | 9:47a | 77 | 2005 | 18 | 1999 | 61 | 40 | 50 | 3.38 | 1998 |
| 6 | Sat | 6:51 | 5:06 | 10:24p | 10:27a | 77 | 1936 | 14 | 1924 | 61 | 40 | 50 | 2.73 | 1945 |
| 7 | Sun | 6:51 | 5:07 | 11:23p | 11:05a | 79 | 1989 | 14 | 2014 | 60 | 40 | 50 | 6.16 | 1998 |
| 8 | Mon | 6:51 | 5:08 | – | 11:40a | 77 | 1939 | 17 | 2015 | 60 | 40 | 50 | 2.48 | 1964 |
| 9 | Tue | 6:51 | 5:09 | 12:20a | 12:15p | 78 | 1957 | 11 | 1886 | 60 | 40 | 50 | 1.26 | 1999 |
| 10 | Wed | 6:51 | 5:09 | 1:15a | 12:50p | 82 | 1949 | 10 | 1962 | 60 | 40 | 50 | 2.66 | 1908 |
| 11 | Thu | 6:51 | 5:10 | 2:10a | 1:26p | 84 | 1949 | 7 | 1982 | 61 | 40 | 50 | 2.13 | 1931 |
| 12 | Fri | 6:51 | 5:11 | 3:03a | 2:04p | 78 | 2015 | 10 | 1962 | 61 | 40 | 50 | 3.24 | 1892 |
| 13 | Sat | 6:51 | 5:12 | 3:56a | 2:45p | 79 | 2017 | 14 | 1962 | 61 | 40 | 50 | 2.76 | 1947 |
| 14 | Sun | 6:51 | 5:13 | 4:47a | 3:29p | 79 | 2017 | 20 | 1964 | 61 | 40 | 50 | 1.58 | 1977 |
| 15 | Mon | 6:50 | 5:14 | 5:37a | 4:16p | 78 | 1974 | 20 | 1979 | 61 | 40 | 50 | 1.89 | 2016 |
| 16 | Tue | 6:50 | 5:15 | 6:24a | 5:06p | 79 | 1974 | 20 | 1927 | 61 | 40 | 50 | 3.46 | 1925 |
| 17 | Wed | 6:50 | 5:15 | 7:08a | 5:59p | 79 | 2017 | 15 | 1977 | 61 | 40 | 50 | 3.15 | 1926 |
| 18 | Thu | 6:50 | 5:16 | 7:50a | 6:52p | 80 | 2017 | 16 | 1948 | 61 | 40 | 50 | 3.88 | 1943 |
| 19 | Fri | 6:50 | 5:17 | 8:28a | 7:46p | 78 | 1950 | 12 | 1977 | 61 | 40 | 50 | 3.18 | 1963 |
| 20 | Sat | 6:49 | 5:18 | 9:05a | 8:41p | 78 | 1974 | 9 | 1985 | 61 | 40 | 50 | 5.71 | 2010 |
| 21 | Sun | 6:49 | 5:19 | 9:40a | 9:37p | 78 | 2012 | 3 | 1985 | 61 | 40 | 50 | 2.67 | 1877 |
| 22 | Mon | 6:49 | 5:20 | 10:15a | 10:34p | 81 | 1952 | 16 | 1985 | 61 | 40 | 50 | 3.70 | 1965 |
| 23 | Tue | 6:48 | 5:21 | 10:50a | 11:32p | 79 | 2002 | 18 | 1963 | 61 | 40 | 51 | 4.64 | 1965 |
| 24 | Wed | 6:48 | 5:22 | 11:27a | – | 79 | 1971 | 8 | 1963 | 61 | 40 | 51 | 4.91 | 1978 |
| 25 | Thu | 6:47 | 5:22 | 12:06p | 12:32a | 77 | 1962 | 15 | 1963 | 61 | 40 | 51 | 2.45 | 1961 |
| 26 | Fri | 6:47 | 5:23 | 12:50p | 1:35a | 78 | 1970 | 15 | 1940 | 61 | 40 | 51 | 2.44 | 1871 |
| 27 | Sat | 6:47 | 5:24 | 1:40p | 2:39a | 79 | 1950 | 14 | 1940 | 61 | 40 | 51 | 2.52 | 1994 |
| 28 | Sun | 6:46 | 5:25 | 2:36p | 3:45a | 80 | 1957 | 18 | 1986 | 61 | 40 | 51 | 1.44 | 1903 |
| 29 | Mon | 6:45 | 5:26 | 3:38p | 4:49a | 79 | 1957 | 19 | 1966 | 62 | 41 | 51 | 1.95 | 1960 |
| 30 | Tue | 6:45 | 5:27 | 4:45p | 5:50a | 79 | 1957 | 13 | 1966 | 62 | 41 | 51 | 2.87 | 1991 |
| 31 | Wed | 6:44 | 5:28 | 5:53p | 6:45a | 80 | 1957 | 20 | 1966 | 62 | 41 | 51 | 3.83 | 1908 |

**Data for Mobile, Alabama**
**a = A.M. p = P.M.**

*** Includes melted snow, sleet and hail**

## JANUARY

*Normal Precipitation 5.65" Wettest 16.92" 1998*
*Normal Temperature 50.4° Driest .55" 2003*
*Greatest Snowfall 5.0" Jan. 23-24, 1881*

# FEBRUARY, 2018

All times listed are CENTRAL STANDARD TIME

**Last Quarter**



**7th 9:54 A.M.**

**New Moon**



**15th 3:05 A.M.**

**First Quarter**



**23rd 2:09 A.M.**

| DAY OF | | SUN | | MOON | | TEMPERATURE EXTREMES | | | | TEMPERATURE NORMALS | | | GREATEST PRECIP.* | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Month | Week | Rise | Set | Rise | Set | High | Year | Low | Year | High | Low | Mean | Total | Year |
| 1 | Thu | 6:44 | 5:29 | 7:00p | 7:35a | 80 | 1989 | 17 | 1951 | 62 | 41 | 51 | 4.64 | 1983 |
| 2 | Fri | 6:43 | 5:30 | 8:05p | 8:19a | 80 | 1975 | 14 | 1951 | 62 | 41 | 52 | 3.61 | 1982 |
| 3 | Sat | 6:42 | 5:30 | 9:08p | 8:59a | 82 | 1989 | 11 | 1951 | 62 | 41 | 52 | 1.62 | 1960 |
| 4 | Sun | 6:42 | 5:31 | 10:08p | 9:37a | 80 | 1957 | 14 | 1996 | 62 | 41 | 52 | 2.75 | 1957 |
| 5 | Mon | 6:41 | 5:32 | 11:05p | 10:13a | 80 | 1921 | 11 | 1996 | 63 | 41 | 52 | 2.42 | 1896 |
| 6 | Tue | 6:40 | 5:33 | – | 10:49a | 78 | 1994 | 22 | 1984 | 63 | 42 | 52 | 3.48 | 1872 |
| 7 | Wed | 6:40 | 5:34 | 12:01a | 11:25a | 78 | 1957 | 16 | 1895 | 63 | 42 | 52 | 4.70 | 1974 |
| 8 | Thu | 6:39 | 5:35 | 12:56a | 12:03p | 80 | 1969 | 12 | 1895 | 63 | 42 | 53 | 3.14 | 1896 |
| 9 | Fri | 6:38 | 5:36 | 1:50a | 12:43p | 80 | 1994 | 17 | 1933 | 63 | 42 | 53 | 1.87 | 1908 |
| 10 | Sat | 6:37 | 5:36 | 2:42a | 1:26p | 80 | 1957 | 18 | 1979 | 64 | 42 | 53 | 5.37 | 1981 |
| 11 | Sun | 6:36 | 5:37 | 3:32a | 2:12p | 80 | 1887 | 24 | 2011 | 64 | 43 | 53 | 4.00 | 1905 |
| 12 | Mon | 6:36 | 5:38 | 4:20a | 3:01p | 81 | 2017 | 6 | 1899 | 64 | 43 | 53 | 2.37 | 1920 |
| 13 | Tue | 6:35 | 5:39 | 5:05a | 3:53p | 84 | 1962 | -1 | 1899 | 64 | 43 | 53 | 3.97 | 1927 |
| 14 | Wed | 6:34 | 5:40 | 5:48a | 4:46p | 80 | 1989 | 15 | 1905 | 64 | 43 | 54 | 2.54 | 1952 |
| 15 | Thu | 6:33 | 5:40 | 6:28a | 5:41p | 82 | 1989 | 25 | 1943 | 64 | 43 | 54 | 3.04 | 1942 |
| 16 | Fri | 6:32 | 5:41 | 7:06a | 6:36p | 81 | 2000 | 22 | 1991 | 65 | 44 | 54 | 1.65 | 1884 |
| 17 | Sat | 6:31 | 5:42 | 7:42a | 7:32p | 79 | 1967 | 20 | 1996 | 65 | 44 | 54 | 2.94 | 1992 |
| 18 | Sun | 6:30 | 5:43 | 8:17a | 8:29p | 80 | 2000 | 19 | 1900 | 65 | 44 | 55 | 4.06 | 1926 |
| 19 | Mon | 6:29 | 5:44 | 8:52a | 9:27p | 83 | 2017 | 25 | 2015 | 65 | 44 | 55 | 2.57 | 1875 |
| 20 | Tue | 6:28 | 5:44 | 9:28a | 10:26p | 79 | 2017 | 26 | 2015 | 66 | 44 | 55 | 2.01 | 1971 |
| 21 | Wed | 6:27 | 5:45 | 10:06a | 11:27p | 79 | 2005 | 28 | 1978 | 66 | 45 | 55 | 4.22 | 1887 |
| 22 | Thu | 6:26 | 5:46 | 10:47a | – | 80 | 2007 | 22 | 1978 | 66 | 45 | 55 | 1.66 | 2013 |
| 23 | Fri | 6:25 | 5:47 | 11:33a | 12:29a | 81 | 1980 | 26 | 1989 | 66 | 45 | 56 | 2.74 | 1888 |
| 24 | Sat | 6:24 | 5:47 | 12:25p | 1:32a | 80 | 1944 | 19 | 1989 | 66 | 45 | 56 | 2.05 | 1961 |
| 25 | Sun | 6:23 | 5:48 | 1:22p | 2:35a | 80 | 2011 | 26 | 2010 | 67 | 45 | 56 | 4.40 | 2004 |
| 26 | Mon | 6:22 | 5:49 | 2:25p | 3:35a | 81 | 1972 | 25 | 1974 | 67 | 46 | 56 | 2.32 | 1929 |
| 27 | Tue | 6:21 | 5:50 | 3:30p | 4:31a | 82 | 1981 | 24 | 2002 | 67 | 46 | 57 | 2.05 | 1902 |
| 28 | Wed | 6:20 | 5:50 | 4:37p | 5:22a | 82 | 1948 | 20 | 2002 | 67 | 46 | 57 | 6.42 | 1907 |

**Data for Mobile, Alabama**
**a = A.M. p = P.M.**

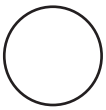
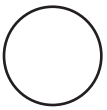
*** Includes melted snow, sleet and hail**

## FEBRUARY

*Normal Precipitation 5.12" Wettest 11.89" 1983*
*Normal Temperature 53.8° Driest 1.09" 1999*
*Greatest Snowfall 6.0" Feb. 14-15, 1895*

# MARCH, 2018

All times listed are CENTRAL DAYLIGHT TIME**

| Full Moon | Last Quarter | New Moon | First Quarter | Full Moon |
|---|---|---|---|---|
|  |  |  |  |  |
| 1st 6:51 P.M. | 9th 5:20 A.M. | 17th 8:12 A.M. | 24th 10:35 A.M. | 31st 7:37 A.M. |

| DAY OF | | SUN | | MOON | | TEMPERATURE EXTREMES | | | | TEMPERATURE NORMALS | | | GREATEST PRECIP.* | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Month | Week | Rise | Set | Rise | Set | High | Year | Low | Year | High | Low | Mean | Total | Year |
| 1 | Thu | 6:19 | 5:51 | 5:43p | 6:08a | 82 | 2012 | 25 | 1920 | 68 | 46 | 57 | 3.23 | 1877 |
| 2 | Fri | 6:18 | 5:52 | 6:48p | 6:50a | 82 | 2006 | 23 | 1980 | 68 | 47 | 57 | 2.28 | 1948 |
| 3 | Sat | 6:17 | 5:53 | 7:50p | 7:30a | 81 | 1910 | 23 | 1980 | 68 | 47 | 58 | 5.14 | 1979 |
| 4 | Sun | 6:15 | 5:53 | 8:50p | 8:07a | 83 | 1910 | 24 | 1943 | 69 | 47 | 58 | 2.84 | 1915 |
| 5 | Mon | 6:14 | 5:54 | 9:48p | 8:44a | 82 | 1910 | 22 | 2002 | 69 | 47 | 58 | 6.41 | 1935 |
| 6 | Tue | 6:13 | 5:55 | 10:45p | 9:21a | 83 | 2004 | 26 | 2015 | 69 | 47 | 58 | 3.24 | 1948 |
| 7 | Wed | 6:12 | 5:55 | 11:40p | 9:59a | 82 | 1992 | 29 | 1966 | 69 | 48 | 58 | 6.80 | 1998 |
| 8 | Thu | 6:10 | 5:56 | – | 10:38a | 83 | 1980 | 26 | 1996 | 69 | 48 | 59 | 1.75 | 1919 |
| 9 | Fri | 6:10 | 5:57 | 12:34a | 11:21a | 84 | 1951 | 22 | 1996 | 70 | 48 | 59 | 3.49 | 1880 |
| 10 | Sat | 6:08 | 5:58 | 1:25a | 12:06p | 83 | 1980 | 24 | 1932 | 70 | 48 | 59 | 3.60 | 1896 |
| 11 | Sun | 7:07 | 6:58 | 3:14a | 1:54p | 84 | 1997 | 28 | 1998 | 70 | 48 | 59 | 4.25 | 2016 |
| 12 | Mon | 7:06 | 6:59 | 4:01a | 2:44p | 85 | 1989 | 27 | 1998 | 70 | 48 | 59 | 2.85 | 2001 |
| 13 | Tue | 7:05 | 6:59 | 4:44a | 3:37p | 85 | 1980 | 28 | 1993 | 71 | 49 | 60 | 4.42 | 1947 |
| 14 | Wed | 7:04 | 7:00 | 5:25a | 4:31p | 85 | 1985 | 21 | 1993 | 71 | 49 | 60 | 10.71 | 1929 |
| 15 | Thu | 7:02 | 7:01 | 6:04a | 5:27p | 89 | 1967 | 27 | 1988 | 71 | 49 | 60 | 4.24 | 1990 |
| 16 | Fri | 7:01 | 7:01 | 6:40a | 6:24p | 85 | 1955 | 30 | 1988 | 71 | 49 | 60 | 7.15 | 1990 |
| 17 | Sat | 6:59 | 7:02 | 7:16a | 7:21p | 87 | 1963 | 34 | 1988 | 72 | 49 | 60 | 5.19 | 1894 |
| 18 | Sun | 6:58 | 7:03 | 7:52a | 8:20p | 85 | 2015 | 32 | 1892 | 72 | 50 | 61 | 5.98 | 1951 |
| 19 | Mon | 6:57 | 7:03 | 8:28a | 9:20p | 86 | 2011 | 27 | 1892 | 72 | 50 | 61 | 7.20 | 1905 |
| 20 | Tue | 6:56 | 7:04 | 9:06a | 10:21p | 84 | 2017 | 30 | 1923 | 72 | 50 | 61 | 2.78 | 1985 |
| 21 | Wed | 6:55 | 7:05 | 9:47a | 11:23p | 86 | 1962 | 31 | 1996 | 72 | 50 | 61 | 4.20 | 1879 |
| 22 | Thu | 6:54 | 7:05 | 10:31a | – | 88 | 2017 | 27 | 1986 | 73 | 50 | 61 | 4.70 | 1944 |
| 23 | Fri | 6:53 | 7:06 | 11:21a | 12:26a | 89 | 1929 | 29 | 1885 | 73 | 50 | 62 | 4.27 | 1908 |
| 24 | Sat | 6:51 | 7:07 | 12:15p | 1:28a | 86 | 1995 | 29 | 1968 | 73 | 51 | 62 | 3.59 | 1872 |
| 25 | Sun | 6:50 | 7:07 | 1:15p | 2:28a | 86 | 1907 | 31 | 1983 | 73 | 51 | 62 | 4.38 | 1872 |
| 26 | Mon | 6:49 | 7:08 | 2:17p | 3:24a | 86 | 1935 | 30 | 1894 | 73 | 51 | 62 | 4.28 | 1946 |
| 27 | Tue | 6:48 | 7:08 | 3:22p | 4:15a | 91 | 1910 | 26 | 1955 | 74 | 51 | 62 | 4.10 | 1946 |
| 28 | Wed | 6:46 | 7:09 | 4:27p | 5:01a | 84 | 1987 | 32 | 1937 | 74 | 51 | 63 | 5.54 | 1922 |
| 29 | Thu | 6:45 | 7:10 | 5:30p | 5:44a | 85 | 1879 | 33 | 1955 | 74 | 52 | 63 | 3.02 | 2000 |
| 30 | Fri | 6:44 | 7:10 | 6:33p | 6:23a | 90 | 1946 | 35 | 1894 | 74 | 52 | 63 | 3.93 | 1886 |
| 31 | Sat | 6:43 | 7:11 | 7:34p | 7:01a | 86 | 1978 | 31 | 2003 | 74 | 52 | 63 | 4.50 | 1899 |

**Data for Mobile, Alabama**
**a = A.M. p = P.M.**

****DAYLIGHT SAVING TIME begins on March 11.** **Times listed through Nov. 3 are CENTRAL DAYLIGHT**

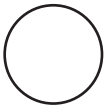
*** Includes melted snow, sleet and hail**

## MARCH

*Normal Precipitation 6.14" Wettest 20.23" 1929*
*Normal Temperature 60.2° Driest .24" 2006*
*Greatest Snowfall 2.7" March 12-13, 1993*

# APRIL, 2018

All times listed are CENTRAL DAYLIGHT TIME

| Last Quarter | New Moon | First Quarter | Full Moon |
|---|---|---|---|
|  |  |  |  |
| 8th 2:17 A.M. | 15th 8:57 P.M. | 22nd 4:46 P.M. | 29th 7:58 P.M. |

| DAY OF | | SUN | | MOON | | TEMPERATURE EXTREMES | | | | TEMPERATURE NORMALS | | | GREATEST PRECIP.* | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Month | Week | Rise | Set | Rise | Set | High | Year | Low | Year | High | Low | Mean | Total | Year |
| 1 | Sun | 6:41 | 7:12 | 8:33p | 7:38a | 86 | 2017 | 34 | 1987 | 75 | 52 | 63 | 6.27 | 2005 |
| 2 | Mon | 6:40 | 7:12 | 9:31p | 8:15a | 86 | 2012 | 32 | 1881 | 75 | 52 | 63 | 2.54 | 1988 |
| 3 | Tue | 6:39 | 7:13 | 10:28p | 8:53a | 87 | 2006 | 35 | 1987 | 75 | 52 | 64 | 2.56 | 1897 |
| 4 | Wed | 6:38 | 7:13 | 11:23p | 9:32a | 90 | 1967 | 33 | 1987 | 75 | 53 | 64 | 5.46 | 1911 |
| 5 | Thu | 6:37 | 7:14 | – | 10:14a | 86 | 2017 | 32 | 1987 | 75 | 53 | 64 | 3.80 | 2008 |
| 6 | Fri | 6:35 | 7:15 | 12:17a | 10:58a | 86 | 1967 | 35 | 1891 | 76 | 53 | 64 | 3.65 | 1918 |
| 7 | Sat | 6:34 | 7:15 | 1:07a | 11:46a | 88 | 1986 | 36 | 1950 | 76 | 53 | 64 | 4.17 | 1983 |
| 8 | Sun | 6:33 | 7:16 | 1:55a | 12:35p | 90 | 1967 | 36 | 2009 | 76 | 54 | 65 | 3.23 | 1909 |
| 9 | Mon | 6:32 | 7:17 | 2:40a | 1:27p | 89 | 1965 | 35 | 2000 | 76 | 54 | 65 | 3.31 | 1933 |
| 10 | Tue | 6:31 | 7:17 | 3:21a | 2:20p | 89 | 1882 | 38 | 1938 | 76 | 54 | 65 | 2.71 | 1955 |
| 11 | Wed | 6:29 | 7:18 | 4:00a | 3:15p | 90 | 1963 | 36 | 1973 | 77 | 54 | 65 | 3.20 | 1961 |
| 12 | Thu | 6:28 | 7:18 | 4:37a | 4:11p | 90 | 1965 | 39 | 1989 | 77 | 54 | 66 | 7.28 | 2015 |
| 13 | Fri | 6:27 | 7:19 | 5:13a | 5:08p | 90 | 1954 | 33 | 1940 | 77 | 55 | 66 | 13.36 | 1955 |
| 14 | Sat | 6:26 | 7:20 | 5:49a | 6:07p | 89 | 2001 | 38 | 1959 | 77 | 55 | 66 | 5.76 | 1933 |
| 15 | Sun | 6:25 | 7:20 | 6:25a | 7:07p | 89 | 2001 | 36 | 2008 | 77 | 55 | 66 | 3.81 | 1934 |
| 16 | Mon | 6:24 | 7:21 | 7:03a | 8:10p | 89 | 1925 | 37 | 2014 | 78 | 55 | 67 | 1.61 | 1874 |
| 17 | Tue | 6:23 | 7:22 | 7:43a | 8:14p | 89 | 2006 | 42 | 1983 | 78 | 56 | 67 | 2.12 | 1912 |
| 18 | Wed | 6:22 | 7:22 | 8:27a | 10:18p | 90 | 2006 | 40 | 1999 | 78 | 56 | 67 | 3.52 | 1901 |
| 19 | Thu | 6:21 | 7:23 | 9:16a | 11:22p | 88 | 1908 | 37 | 1983 | 78 | 56 | 67 | 7.30 | 1882 |
| 20 | Fri | 6:19 | 7:24 | 10:10a | – | 88 | 2006 | 40 | 1953 | 78 | 57 | 67 | 3.15 | 1912 |
| 21 | Sat | 6:18 | 7:24 | 11:09a | 12:24a | 94 | 1987 | 43 | 1953 | 79 | 57 | 68 | 4.00 | 1949 |
| 22 | Sun | 6:17 | 7:25 | 12:11p | 1:21a | 92 | 1987 | 42 | 1993 | 79 | 57 | 68 | 4.32 | 1983 |
| 23 | Mon | 6:16 | 7:26 | 1:14p | 2:13a | 90 | 1883 | 43 | 1927 | 79 | 57 | 68 | 2.74 | 1888 |
| 24 | Tue | 6:15 | 7:26 | 2:18p | 3:00a | 91 | 1999 | 37 | 2012 | 79 | 58 | 69 | 2.68 | 1937 |
| 25 | Wed | 6:14 | 7:27 | 3:20p | 3:43a | 88 | 1989 | 39 | 1910 | 80 | 58 | 69 | 5.34 | 1881 |
| 26 | Thu | 6:13 | 7:28 | 4:22p | 4:22a | 89 | 1989 | 46 | 1992 | 80 | 58 | 69 | 3.81 | 1964 |
| 27 | Fri | 6:12 | 7:28 | 5:22p | 4:59a | 89 | 1989 | 42 | 1992 | 80 | 58 | 69 | 3.50 | 1964 |
| 28 | Sat | 6:11 | 7:29 | 6:21p | 5:35a | 91 | 1971 | 42 | 1992 | 80 | 59 | 70 | 2.89 | 1998 |
| 29 | Sun | 6:10 | 7:30 | 7:19p | 6:11a | 91 | 1970 | 46 | 2008 | 81 | 59 | 70 | 11.23 | 2014 |
| 30 | Mon | 6:09 | 7:30 | 8:16p | 6:48a | 91 | 2012 | 45 | 1874 | 81 | 59 | 70 | 4.43 | 2005 |

**Data for Mobile, Alabama**
**a = A.M. p = P.M.**

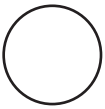
*** Includes melted snow, sleet and hail**

**APRIL**

| | | | | |
|---|---|---|---|---|
| *Normal Precipitation* | *4.79"* | *Wettest* | *18.09"* | *2014* |
| *Normal Temperature* | *66.4°* | *Driest* | *.08"* | *1999* |

# MAY, 2018

All times listed are CENTRAL DAYLIGHT TIME

| Last Quarter | New Moon | First Quarter | Full Moon |
|---|---|---|---|
|  |  |  |  |
| 7th 9:09 P.M. | 15th 6:48 A.M. | 21st 10:49 P.M. | 29th 9:19 A.M. |

| DAY OF | | SUN | | MOON | | TEMPERATURE EXTREMES | | | | TEMPERATURE NORMALS | | | GREATEST PRECIP.* | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Month | Week | Rise | Set | Rise | Set | High | Year | Low | Year | High | Low | Mean | Total | Year |
| 1 | Tue | 6:09 | 7:31 | 9:13p | 7:27a | 91 | 1987 | 46 | 1999 | 81 | 60 | 70 | 3.42 | 2013 |
| 2 | Wed | 6:08 | 7:32 | 10:07p | 8:08a | 90 | 1955 | 47 | 2015 | 81 | 60 | 71 | 6.80 | 2012 |
| 3 | Thu | 6:07 | 7:32 | 11:00p | 8:51a | 90 | 1952 | 47 | 2004 | 82 | 60 | 71 | 5.97 | 1978 |
| 4 | Fri | 6:06 | 7:33 | 11:49p | 9:38a | 94 | 1952 | 43 | 2013 | 82 | 60 | 71 | 1.48 | 1912 |
| 5 | Sat | 6:05 | 7:34 | – | 10:26a | 94 | 1952 | 46 | 1954 | 82 | 61 | 71 | 7.96 | 1981 |
| 6 | Sun | 6:04 | 7:34 | 12:35a | 11:17a | 94 | 1952 | 44 | 2017 | 82 | 61 | 72 | 2.82 | 1873 |
| 7 | Mon | 6:03 | 7:35 | 1:18a | 12:10p | 93 | 1952 | 45 | 1992 | 83 | 61 | 72 | 4.46 | 1972 |
| 8 | Tue | 6:03 | 7:36 | 1:57a | 1:04p | 92 | 1949 | 44 | 1992 | 83 | 62 | 72 | 3.10 | 1876 |
| 9 | Wed | 6:02 | 7:36 | 2:35a | 1:58p | 91 | 1986 | 47 | 1984 | 83 | 62 | 72 | 5.44 | 1995 |
| 10 | Thu | 6:01 | 7:37 | 3:10a | 2:54p | 91 | 2011 | 49 | 1961 | 83 | 62 | 73 | 3.67 | 1995 |
| 11 | Fri | 6:00 | 7:38 | 3:45a | 3:52p | 95 | 1916 | 50 | 1906 | 84 | 62 | 73 | 1.76 | 1915 |
| 12 | Sat | 6:00 | 7:38 | 4:20a | 4:51p | 96 | 1916 | 45 | 1952 | 84 | 63 | 73 | 2.83 | 1987 |
| 13 | Sun | 5:59 | 7:39 | 4:57a | 5:52p | 93 | 1962 | 43 | 1960 | 84 | 63 | 74 | 3.09 | 1990 |
| 14 | Mon | 5:58 | 7:40 | 5:36a | 6:56p | 94 | 1881 | 49 | 1960 | 84 | 63 | 74 | 1.26 | 1930 |
| 15 | Tue | 5:58 | 7:40 | 6:19a | 8:02p | 96 | 1883 | 50 | 2014 | 84 | 64 | 74 | 3.52 | 1905 |
| 16 | Wed | 5:57 | 7:41 | 7:07a | 9:09p | 96 | 1962 | 47 | 2014 | 85 | 64 | 74 | 3.63 | 2015 |
| 17 | Thu | 5:57 | 7:42 | 8:00a | 10:14p | 94 | 1988 | 46 | 2011 | 85 | 64 | 75 | 4.55 | 1980 |
| 18 | Fri | 5:56 | 7:42 | 8:59a | 11:15p | 96 | 1962 | 44 | 2011 | 85 | 64 | 75 | 6.30 | 2003 |
| 19 | Sat | 5:55 | 7:43 | 10:02a | – | 98 | 1962 | 48 | 2002 | 85 | 65 | 75 | 4.71 | 1932 |
| 20 | Sun | 5:55 | 7:43 | 11:06a | 12:11a | 99 | 1962 | 50 | 2002 | 86 | 65 | 75 | 4.37 | 2017 |
| 21 | Mon | 5:54 | 7:44 | 12:11p | 1:00a | 95 | 1962 | 50 | 1954 | 86 | 65 | 75 | 1.46 | 1911 |
| 22 | Tue | 5:54 | 7:45 | 1:14p | 1:44a | 96 | 1996 | 48 | 1993 | 86 | 65 | 76 | 3.80 | 1965 |
| 23 | Wed | 5:53 | 7:45 | 2:16p | 2:24a | 95 | 1996 | 47 | 1883 | 86 | 66 | 76 | 4.33 | 1957 |
| 24 | Thu | 5:53 | 7:46 | 3:15p | 3:01a | 97 | 2005 | 52 | 1951 | 86 | 66 | 76 | 1.88 | 1976 |
| 25 | Fri | 5:52 | 7:47 | 4:14p | 3:37a | 97 | 1962 | 53 | 1979 | 86 | 66 | 76 | 3.38 | 1909 |
| 26 | Sat | 5:52 | 7:47 | 5:11p | 4:12a | 96 | 1962 | 48 | 1979 | 87 | 66 | 77 | 3.28 | 1991 |
| 27 | Sun | 5:52 | 7:48 | 6:08p | 4:47a | 100 | 1953 | 49 | 1961 | 87 | 67 | 77 | 3.89 | 1976 |
| 28 | Mon | 5:51 | 7:48 | 7:04p | 5:25a | 98 | 1962 | 50 | 1961 | 87 | 67 | 77 | 3.07 | 2014 |
| 29 | Tue | 5:51 | 7:49 | 7:59p | 6:04a | 95 | 2012 | 56 | 1984 | 87 | 67 | 77 | 5.62 | 1883 |
| 30 | Wed | 5:51 | 7:50 | 8:53p | 6:46a | 97 | 1911 | 48 | 1984 | 87 | 67 | 77 | 2.41 | 1900 |
| 31 | Thu | 5:51 | 7:50 | 9:43p | 7:32a | 100 | 1951 | 46 | 1889 | 87 | 68 | 77 | 6.91 | 1900 |

**Data for Mobile, Alabama**
**a = A.M. p = P.M.**

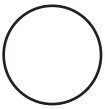
*** Includes melted snow, sleet and hail**

## MAY

| | | | | |
|---|---|---|---|---|
| *Normal Precipitation* | *5.14”* | *Wettest* | *15.08”* | *1980* |
| *Normal Temperature* | *74.1°* | *Driest* | *.22”* | *1914* |

# JUNE, 2018

All times listed are CENTRAL DAYLIGHT TIME

| Last Quarter | New Moon | First Quarter | Full Moon |
|---|---|---|---|
|  |  |  |  |
| 6th 1:32 P.M. | 13th 2:43 P.M. | 20th 5:51 A.M. | 27th 11:53 P.M. |

| DAY OF | | SUN | | MOON | | TEMPERATURE EXTREMES | | | | TEMPERATURE NORMALS | | | GREATEST PRECIP.* | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Month | Week | Rise | Set | Rise | Set | High | Year | Low | Year | High | Low | Mean | Total | Year |
| 1 | Fri | 5:50 | 7:51 | 10:31p | 8:20a | 101 | 2011 | 49 | 1984 | 88 | 68 | 78 | 2.01 | 1981 |
| 2 | Sat | 5:50 | 7:51 | 11:15p | 9:10a | 98 | 2011 | 54 | 1984 | 88 | 68 | 78 | 3.21 | 1970 |
| 3 | Sun | 5:50 | 7:52 | 11:56p | 10:02a | 100 | 2011 | 56 | 1956 | 88 | 68 | 78 | 2.00 | 1989 |
| 4 | Mon | 5:50 | 7:52 | – | 10:55a | 103 | 2011 | 59 | 1984 | 88 | 68 | 78 | 2.50 | 1928 |
| 5 | Tue | 5:50 | 7:53 | 12:33a | 11:48a | 99 | 1985 | 58 | 1946 | 88 | 69 | 78 | 1.83 | 1951 |
| 6 | Wed | 5:49 | 7:53 | 1:09a | 12:43p | 99 | 2011 | 60 | 2009 | 88 | 69 | 79 | 4.64 | 2003 |
| 7 | Thu | 5:49 | 7:54 | 1:43a | 1:38p | 97 | 1972 | 60 | 1998 | 88 | 69 | 79 | 3.17 | 1973 |
| 8 | Fri | 5:49 | 7:54 | 2:17a | 2:35p | 98 | 1963 | 58 | 2000 | 89 | 69 | 79 | 4.00 | 1941 |
| 9 | Sat | 5:49 | 7:54 | 2:52a | 3:35p | 99 | 1963 | 60 | 1983 | 89 | 69 | 79 | 5.79 | 2012 |
| 10 | Sun | 5:49 | 7:55 | 3:29a | 4:36p | 99 | 1953 | 60 | 1988 | 89 | 70 | 79 | 2.84 | 1910 |
| 11 | Mon | 5:49 | 7:55 | 4:09a | 5:41p | 101 | 1914 | 56 | 1913 | 89 | 70 | 79 | 4.52 | 2005 |
| 12 | Tue | 5:49 | 7:56 | 4:54a | 6:48p | 100 | 2007 | 57 | 1913 | 89 | 70 | 80 | 4.15 | 1900 |
| 13 | Wed | 5:49 | 7:56 | 5:45a | 7:55p | 101 | 1952 | 57 | 1995 | 89 | 70 | 80 | 2.84 | 1956 |
| 14 | Thu | 5:49 | 7:56 | 6:43a | 9:00p | 102 | 1952 | 55 | 1995 | 89 | 70 | 80 | 4.37 | 1877 |
| 15 | Fri | 5:49 | 7:57 | 7:46a | 10:01p | 101 | 1952 | 60 | 1995 | 89 | 71 | 80 | 2.60 | 1940 |
| 16 | Sat | 5:49 | 7:57 | 8:52a | 10:55p | 100 | 1918 | 58 | 1917 | 89 | 71 | 80 | 4.61 | 1939 |
| 17 | Sun | 5:50 | 7:57 | 9:59a | 11:42p | 101 | 1918 | 61 | 1933 | 89 | 71 | 80 | 1.70 | 1927 |
| 18 | Mon | 5:50 | 7:58 | 11:05a | – | 100 | 1953 | 63 | 1955 | 90 | 71 | 80 | 6.30 | 2003 |
| 19 | Tue | 5:50 | 7:58 | 12:09p | 12:25a | 101 | 1953 | 62 | 2008 | 90 | 71 | 80 | 1.81 | 1947 |
| 20 | Wed | 5:50 | 7:58 | 1:10p | 1:03a | 102 | 1936 | 64 | 1999 | 90 | 71 | 81 | 6.08 | 1961 |
| 21 | Thu | 5:50 | 7:58 | 2:09p | 1:39a | 100 | 1882 | 65 | 1976 | 90 | 71 | 81 | 3.09 | 1887 |
| 22 | Fri | 5:51 | 7:59 | 3:06p | 2:14a | 100 | 2009 | 65 | 1961 | 90 | 72 | 81 | 4.91 | 1942 |
| 23 | Sat | 5:51 | 7:59 | 4:03p | 2:49a | 101 | 2009 | 64 | 1902 | 90 | 72 | 81 | 1.20 | 1880 |
| 24 | Sun | 5:51 | 7:59 | 4:59p | 3:26a | 101 | 2009 | 62 | 2001 | 90 | 72 | 81 | 3.59 | 1929 |
| 25 | Mon | 5:51 | 7:59 | 5:54p | 4:04a | 100 | 1914 | 61 | 1974 | 90 | 72 | 81 | 3.07 | 1997 |
| 26 | Tue | 5:52 | 7:59 | 6:47p | 4:45a | 101 | 1914 | 64 | 1979 | 90 | 72 | 81 | 12.57 | 1900 |
| 27 | Wed | 5:52 | 7:59 | 7:39p | 5:28a | 100 | 1988 | 61 | 1974 | 90 | 72 | 81 | 6.15 | 1888 |
| 28 | Thu | 5:52 | 7:59 | 8:28p | 6:15a | 100 | 1969 | 62 | 1958 | 90 | 72 | 81 | 4.16 | 1946 |
| 29 | Fri | 5:53 | 7:59 | 9:13p | 7:05a | 102 | 1954 | 64 | 1961 | 90 | 72 | 81 | 2.29 | 2017 |
| 30 | Sat | 5:53 | 7:59 | 9:55p | 7:56a | 101 | 1954 | 63 | 1923 | 90 | 72 | 81 | 6.05 | 2003 |

**Data for Mobile, Alabama**
**a = A.M. p = P.M.**

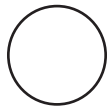
*** Includes melted snow, sleet and hail**

## JUNE

| | | | | |
|---|---|---|---|---|
| *Normal Precipitation* | *6.11"* | *Wettest* | *26.67"* | *1900* |
| *Normal Temperature* | *79.8°* | *Driest* | *.53"* | *1902* |

# JULY, 2018

All times listed are CENTRAL DAYLIGHT TIME

| Last Quarter | New Moon | First Quarter | Full Moon |
|---|---|---|---|
|  |  |  |  |
| 6th 2:51 A.M. | 12th 9:48 P.M. | 19th 2:52 P.M. | 27th 3:20 P.M. |

| DAY OF | | SUN | | MOON | | TEMPERATURE EXTREMES | | | | TEMPERATURE NORMALS | | | GREATEST PRECIP.* | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Month | Week | Rise | Set | Rise | Set | High | Year | Low | Year | High | Low | Mean | Total | Year |
| 1 | Sun | 5:53 | 7:59 | 10:34p | 8:49a | 99 | 1883 | 63 | 1985 | 91 | 72 | 81 | 2.15 | 1941 |
| 2 | Mon | 5:54 | 7:59 | 11:10p | 9:42a | 101 | 2009 | 64 | 1924 | 91 | 72 | 82 | 3.26 | 1951 |
| 3 | Tue | 5:54 | 7:59 | 11:44p | 10:36a | 99 | 1970 | 62 | 1924 | 91 | 73 | 82 | 2.87 | 1949 |
| 4 | Wed | 5:55 | 7:59 | – | 11:30a | 99 | 1938 | 65 | 1924 | 91 | 73 | 82 | 3.68 | 1874 |
| 5 | Thu | 5:55 | 7:59 | 12:17a | 12:25p | 98 | 1921 | 64 | 2014 | 91 | 73 | 82 | 5.82 | 1916 |
| 6 | Fri | 5:56 | 7:59 | 12:51a | 1:21p | 99 | 1877 | 64 | 1882 | 91 | 73 | 82 | 6.34 | 2005 |
| 7 | Sat | 5:56 | 7:59 | 1:25a | 2:20p | 100 | 2000 | 64 | 1972 | 91 | 73 | 82 | 5.27 | 1910 |
| 8 | Sun | 5:56 | 7:58 | 2:03a | 3:22p | 101 | 1881 | 65 | 1972 | 91 | 73 | 82 | 3.07 | 1925 |
| 9 | Mon | 5:57 | 7:58 | 2:44a | 4:26p | 100 | 1881 | 66 | 1988 | 91 | 73 | 82 | 3.17 | 1970 |
| 10 | Tue | 5:57 | 7:58 | 3:31a | 5:33p | 99 | 1879 | 65 | 1983 | 91 | 73 | 82 | 3.36 | 1874 |
| 11 | Wed | 5:58 | 7:58 | 4:24a | 6:39p | 103 | 1930 | 66 | 1953 | 91 | 73 | 82 | 3.58 | 1872 |
| 12 | Thu | 5:59 | 7:57 | 5:24a | 7:42p | 102 | 1901 | 68 | 1957 | 91 | 73 | 82 | 3.07 | 1917 |
| 13 | Fri | 5:59 | 7:57 | 6:30a | 8:41p | 101 | 1980 | 65 | 1904 | 91 | 73 | 82 | 3.92 | 1951 |
| 14 | Sat | 6:00 | 7:57 | 7:39a | 9:33p | 103 | 1980 | 65 | 1897 | 91 | 73 | 82 | 2.68 | 1945 |
| 15 | Sun | 6:00 | 7:57 | 8:48a | 10:20p | 103 | 1980 | 62 | 1967 | 91 | 73 | 82 | 3.42 | 1931 |
| 16 | Mon | 6:01 | 7:56 | 9:55a | 11:01p | 102 | 2000 | 62 | 1967 | 91 | 73 | 82 | 5.27 | 1931 |
| 17 | Tue | 6:01 | 7:56 | 10:59a | 11:39p | 101 | 1883 | 64 | 2014 | 91 | 73 | 82 | 3.57 | 1982 |
| 18 | Wed | 6:02 | 7:55 | Noon | – | 99 | 2000 | 67 | 1923 | 91 | 73 | 82 | 4.21 | 1969 |
| 19 | Thu | 6:02 | 7:55 | 1:00p | 12:15a | 98 | 2015 | 65 | 1923 | 91 | 73 | 82 | 10.07 | 1997 |
| 20 | Fri | 6:03 | 7:54 | 1:57p | 12:51a | 101 | 2000 | 64 | 2009 | 91 | 73 | 82 | 1.49 | 1879 |
| 21 | Sat | 6:04 | 7:54 | 2:54p | 1:27a | 98 | 1942 | 67 | 1939 | 91 | 73 | 82 | 4.68 | 1946 |
| 22 | Sun | 6:04 | 7:53 | 3:49p | 2:04a | 98 | 1907 | 67 | 1956 | 91 | 73 | 82 | 4.63 | 1873 |
| 23 | Mon | 6:05 | 7:53 | 4:43p | 2:44a | 100 | 1976 | 62 | 1947 | 91 | 73 | 82 | 4.02 | 1937 |
| 24 | Tue | 6:05 | 7:52 | 5:35p | 3:37a | 103 | 1952 | 68 | 1904 | 91 | 73 | 82 | 2.20 | 1954 |
| 25 | Wed | 6:06 | 7:52 | 6:25p | 4:12a | 104 | 1952 | 67 | 1904 | 91 | 73 | 82 | 2.96 | 1938 |
| 26 | Thu | 6:07 | 7:51 | 7:11p | 5:01a | 98 | 1983 | 66 | 1911 | 91 | 73 | 82 | 2.07 | 2008 |
| 27 | Fri | 6:07 | 7:50 | 7:54p | 5:52a | 99 | 1968 | 67 | 1911 | 91 | 73 | 82 | 2.63 | 1897 |
| 28 | Sat | 6:08 | 7:50 | 8:34p | 6:44a | 100 | 1968 | 67 | 1994 | 91 | 73 | 82 | 1.53 | 1950 |
| 29 | Sun | 6:08 | 7:49 | 9:11p | 7:37a | 100 | 1877 | 66 | 1994 | 91 | 73 | 82 | 1.78 | 1872 |
| 30 | Mon | 6:09 | 7:48 | 9:46p | 8:31a | 100 | 1986 | 64 | 2014 | 91 | 73 | 82 | 2.46 | 1975 |
| 31 | Tue | 6:10 | 7:47 | 10:19p | 9:25a | 99 | 1986 | 63 | 2014 | 91 | 73 | 82 | 4.15 | 1975 |

**Data for Mobile, Alabama**
**a = A.M. p = P.M.**

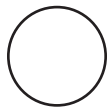
*** Includes melted snow, sleet and hail**

**JULY**

| | | | | |
|---|---|---|---|---|
| *Normal Precipitation* | *7.25"* | *Wettest* | *20.50"* | *1916* |
| *Normal Temperature* | *81.8°* | *Driest* | *1.72"* | *1983* |

# AUGUST, 2018

All times listed are CENTRAL DAYLIGHT TIME

| Last Quarter | New Moon | First Quarter | Full Moon |
|---|---|---|---|
|  |  |  |  |
| 4th 1:18 P.M. | 11th 4:58 A.M. | 18th 2:48 A.M. | 26th 6:56 A.M. |

| DAY OF | | SUN | | MOON | | TEMPERATURE EXTREMES | | | | TEMPERATURE NORMALS | | | GREATEST PRECIP.* | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Month | Week | Rise | Set | Rise | Set | High | Year | Low | Year | High | Low | Mean | Total | Year |
| 1 | Wed | 6:10 | 7:47 | 10:52p | 10:19a | 101 | 2010 | 66 | 1936 | 91 | 73 | 82 | 5.65 | 1984 |
| 2 | Thu | 6:11 | 7:46 | 11:25p | 11:14a | 101 | 2010 | 68 | 1984 | 91 | 73 | 82 | 3.25 | 1984 |
| 3 | Fri | 6:12 | 7:45 | – | 12:11p | 101 | 1897 | 68 | 1965 | 91 | 73 | 82 | 6.20 | 1881 |
| 4 | Sat | 6:12 | 7:44 | 12:01a | 1:10p | 98 | 2011 | 68 | 1998 | 91 | 73 | 82 | 4.08 | 1876 |
| 5 | Sun | 6:13 | 7:43 | 12:39a | 2:11p | 101 | 1947 | 68 | 1950 | 91 | 73 | 82 | 3.56 | 1881 |
| 6 | Mon | 6:13 | 7:43 | 1:22a | 3:14p | 100 | 1935 | 66 | 1957 | 91 | 73 | 82 | 3.30 | 1883 |
| 7 | Tue | 6:14 | 7:42 | 2:10a | 4:19p | 99 | 1972 | 63 | 1884 | 91 | 73 | 82 | 3.27 | 1888 |
| 8 | Wed | 6:15 | 7:41 | 3:06a | 5:22p | 98 | 1972 | 65 | 1989 | 91 | 73 | 82 | 2.25 | 1988 |
| 9 | Thu | 6:15 | 7:40 | 4:08a | 6:23p | 98 | 2007 | 60 | 1989 | 91 | 73 | 82 | 2.98 | 1948 |
| 10 | Fri | 6:16 | 7:39 | 5:15a | 7:18p | 99 | 2010 | 64 | 1990 | 91 | 73 | 82 | 3.38 | 2004 |
| 11 | Sat | 6:16 | 7:38 | 6:24a | 8:08p | 101 | 2007 | 66 | 1976 | 91 | 73 | 82 | 3.78 | 1970 |
| 12 | Sun | 6:17 | 7:37 | 7:33a | 8:53p | 100 | 1954 | 60 | 1967 | 91 | 73 | 82 | 3.94 | 1911 |
| 13 | Mon | 6:18 | 7:36 | 8:41a | 9:34p | 100 | 1951 | 63 | 2004 | 91 | 73 | 82 | 2.09 | 1892 |
| 14 | Tue | 6:18 | 7:35 | 9:45a | 10:12p | 99 | 1999 | 60 | 2004 | 91 | 73 | 82 | 3.90 | 1879 |
| 15 | Wed | 6:19 | 7:34 | 10:48a | 10:49p | 100 | 1954 | 62 | 2004 | 91 | 73 | 82 | 5.44 | 1901 |
| 16 | Thu | 6:20 | 7:33 | 11:48a | 11:26p | 101 | 1918 | 64 | 2004 | 91 | 73 | 82 | 4.91 | 2008 |
| 17 | Fri | 6:20 | 7:32 | 12:46p | – | 99 | 2000 | 66 | 2004 | 91 | 73 | 82 | 5.12 | 1969 |
| 18 | Sat | 6:21 | 7:31 | 1:43p | 12:03a | 101 | 1909 | 65 | 2004 | 91 | 73 | 82 | 3.34 | 1897 |
| 19 | Sun | 6:21 | 7:30 | 2:38p | 12:43a | 101 | 2000 | 64 | 1976 | 91 | 73 | 82 | 3.03 | 1953 |
| 20 | Mon | 6:22 | 7:29 | 3:31p | 1:25a | 99 | 1925 | 66 | 1976 | 91 | 73 | 82 | 3.31 | 1918 |
| 21 | Tue | 6:23 | 7:28 | 4:21p | 2:09a | 98 | 1980 | 62 | 1956 | 91 | 73 | 82 | 2.43 | 1934 |
| 22 | Wed | 6:23 | 7:27 | 5:08p | 2:57a | 102 | 1968 | 59 | 1956 | 91 | 73 | 82 | 2.79 | 1879 |
| 23 | Thu | 6:24 | 7:26 | 5:53p | 3:47a | 99 | 1924 | 63 | 2009 | 91 | 73 | 82 | 1.92 | 1909 |
| 24 | Fri | 6:24 | 7:25 | 6:34p | 4:39a | 100 | 1924 | 60 | 2009 | 90 | 73 | 81 | 1.88 | 2011 |
| 25 | Sat | 6:25 | 7:24 | 7:11p | 5:32a | 100 | 1938 | 57 | 1891 | 90 | 72 | 81 | 4.73 | 2008 |
| 26 | Sun | 6:25 | 7:22 | 7:47p | 6:26a | 100 | 2000 | 63 | 2015 | 90 | 72 | 81 | 2.47 | 1950 |
| 27 | Mon | 6:26 | 7:21 | 8:21p | 7:20a | 97 | 2000 | 62 | 2015 | 90 | 72 | 81 | 1.90 | 1984 |
| 28 | Tue | 6:27 | 7:20 | 8:54p | 8:15a | 97 | 2000 | 66 | 2015 | 90 | 72 | 81 | 4.15 | 2012 |
| 29 | Wed | 6:27 | 7:19 | 9:27p | 9:10a | 105 | 2000 | 61 | 1992 | 90 | 72 | 81 | 3.48 | 2012 |
| 30 | Thu | 6:28 | 7:18 | 10:02p | 10:06a | 102 | 1954 | 61 | 1992 | 90 | 72 | 81 | 3.98 | 1950 |
| 31 | Fri | 6:28 | 7:17 | 10:38p | 11:04a | 99 | 1954 | 63 | 1992 | 90 | 72 | 81 | 1.74 | 1932 |

**Data for Mobile, Alabama**
**a = A.M. p = P.M.**

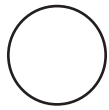
*** Includes melted snow, sleet and hail**

## AUGUST

| | | | | |
|---|---|---|---|---|
| *Normal Precipitation* | *6.96"* | *Wettest* | *15.22"* | *1881* |
| *Normal Temperature* | *81.6°* | *Driest* | *1.04"* | *1997* |

# SEPTEMBER, 2018

All times listed are CENTRAL DAYLIGHT TIME

| Last Quarter | New Moon | First Quarter | Full Moon |
|---|---|---|---|
|  |  |  |  |
| 2nd 9:37 P.M. | 9th 1:01 P.M. | 16th 6:15 P.M. | 24th 9:52 P.M. |

| DAY OF | | SUN | | MOON | | TEMPERATURE EXTREMES | | | | TEMPERATURE NORMALS | | | GREATEST PRECIP.* | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Month | Week | Rise | Set | Rise | Set | High | Year | Low | Year | High | Low | Mean | Total | Year |
| 1 | Sat | 6:29 | 7:15 | 11:18p | 12:03p | 97 | 1964 | 62 | 1946 | 90 | 72 | 81 | 7.30 | 1932 |
| 2 | Sun | 6:29 | 7:14 | – | 1:04p | 98 | 1989 | 61 | 1892 | 90 | 72 | 81 | 5.54 | 1950 |
| 3 | Mon | 6:30 | 7:13 | 12:04a | 2:06p | 97 | 1944 | 63 | 1952 | 89 | 71 | 80 | 5.24 | 2011 |
| 4 | Tue | 6:31 | 7:12 | 12:54a | 3:08p | 99 | 1990 | 59 | 1952 | 89 | 71 | 80 | 3.55 | 2011 |
| 5 | Wed | 6:31 | 7:10 | 1:52a | 4:08p | 103 | 1925 | 57 | 1891 | 89 | 71 | 80 | 4.50 | 1908 |
| 6 | Thu | 6:32 | 7:09 | 2:54a | 5:04p | 98 | 1954 | 59 | 2011 | 89 | 71 | 80 | 6.58 | 1967 |
| 7 | Fri | 6:32 | 7:08 | 4:01a | 5:56p | 96 | 1954 | 56 | 2011 | 89 | 71 | 80 | 6.17 | 1974 |
| 8 | Sat | 6:33 | 7:07 | 5:10a | 6:42p | 97 | 1980 | 56 | 2011 | 89 | 70 | 80 | 2.08 | 1947 |
| 9 | Sun | 6:34 | 7:05 | 6:18a | 7:25p | 98 | 1980 | 56 | 2011 | 89 | 70 | 79 | 2.78 | 1988 |
| 10 | Mon | 6:33 | 7:04 | 7:25a | 8:05p | 99 | 1980 | 56 | 1956 | 88 | 70 | 79 | 6.80 | 1944 |
| 11 | Tue | 6:35 | 7:03 | 8:29a | 8:43a | 97 | 1915 | 56 | 1956 | 88 | 70 | 79 | 3.12 | 1893 |
| 12 | Wed | 6:35 | 7:02 | 9:32a | 9:20p | 95 | 2010 | 53 | 1940 | 88 | 69 | 79 | 8.23 | 1979 |
| 13 | Thu | 6:36 | 7:00 | 10:33a | 9:59p | 96 | 1911 | 55 | 1940 | 88 | 69 | 78 | 3.76 | 1973 |
| 14 | Fri | 6:36 | 6:59 | 11:32a | 10:38p | 96 | 1995 | 52 | 1902 | 88 | 69 | 78 | 4.40 | 1952 |
| 15 | Sat | 6:37 | 6:58 | 12:29p | 11:20p | 97 | 1972 | 54 | 1985 | 87 | 69 | 78 | 3.88 | 1913 |
| 16 | Sun | 6:37 | 6:57 | 1:24p | – | 101 | 1927 | 55 | 1961 | 87 | 68 | 78 | 3.68 | 1988 |
| 17 | Mon | 6:38 | 6:55 | 2:16p | 12:04a | 100 | 1927 | 57 | 1961 | 87 | 68 | 77 | 1.41 | 1930 |
| 18 | Tue | 6:39 | 6:54 | 3:04p | 12:51a | 96 | 2005 | 54 | 1981 | 87 | 68 | 77 | 6.75 | 1877 |
| 19 | Wed | 6:39 | 6:53 | 3:50p | 1:41a | 97 | 2005 | 48 | 1981 | 86 | 67 | 77 | 2.73 | 1980 |
| 20 | Thu | 6:40 | 6:51 | 4:32p | 2:32a | 100 | 1925 | 50 | 1981 | 86 | 67 | 77 | 7.61 | 1926 |
| 21 | Fri | 6:40 | 6:50 | 5:11p | 3:25a | 99 | 1925 | 51 | 1918 | 86 | 67 | 76 | 2.44 | 1898 |
| 22 | Sat | 6:41 | 6:49 | 5:47p | 4:19a | 98 | 1925 | 47 | 1983 | 86 | 66 | 76 | 5.17 | 1920 |
| 23 | Sun | 6:41 | 6:48 | 6:22p | 5:13a | 96 | 1921 | 49 | 1983 | 85 | 66 | 76 | 2.72 | 1889 |
| 24 | Mon | 6:42 | 6:46 | 6:55p | 6:08a | 95 | 2016 | 50 | 1990 | 85 | 66 | 75 | 4.57 | 1956 |
| 25 | Tue | 6:42 | 6:45 | 7:28p | 7:04a | 94 | 1961 | 50 | 1990 | 85 | 65 | 75 | 6.19 | 2002 |
| 26 | Wed | 6:43 | 6:44 | 8:03p | 8:00a | 94 | 1977 | 50 | 2001 | 85 | 65 | 75 | 3.27 | 1881 |
| 27 | Thu | 6:44 | 6:43 | 8:39p | 8:58a | 94 | 1954 | 50 | 2001 | 84 | 64 | 74 | 7.50 | 2015 |
| 28 | Fri | 6:44 | 6:41 | 9:18p | 9:58a | 94 | 1953 | 48 | 1967 | 84 | 64 | 74 | 8.60 | 1998 |
| 29 | Sat | 6:45 | 6:40 | 10:01p | 10:59a | 94 | 1904 | 42 | 1967 | 84 | 64 | 74 | 4.10 | 1898 |
| 30 | Sun | 6:45 | 6:39 | 10:50p | Noon | 93 | 2017 | 45 | 1967 | 84 | 63 | 73 | 5.40 | 1965 |

**Data for Mobile, Alabama**
**a = A.M. p = P.M.**

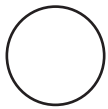
*** Includes melted snow, sleet and hail**

## SEPTEMBER

| | | | | |
|---|---|---|---|---|
| *Normal Precipitation* | *5.11"* | *Wettest* | *24.13"* | *1998* |
| *Normal Temperature* | *77.5°* | *Driest* | *.47"* | *1923* |

# OCTOBER, 2018

All times listed are CENTRAL DAYLIGHT TIME

| Last Quarter | New Moon | First Quarter | Full Moon | Last Quarter |
|---|---|---|---|---|
|  |  |  |  |  |
| 2nd 4:45 A.M. | 8th 10:47 P.M. | 16th 1:02 P.M. | 24th 11:45 A.M. | 31st 11:40 A.M. |

| DAY OF | | SUN | | MOON | | TEMPERATURE EXTREMES | | | | TEMPERATURE NORMALS | | | GREATEST PRECIP.* | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Month | Week | Rise | Set | Rise | Set | High | Year | Low | Year | High | Low | Mean | Total | Year |
| 1 | Mon | 6:46 | 6:37 | 11:44p | 1:02p | 92 | 1954 | 45 | 1920 | 83 | 63 | 73 | 3.34 | 1906 |
| 2 | Tue | 6:47 | 6:36 | – | 2:01p | 95 | 1904 | 43 | 1984 | 83 | 63 | 73 | 5.37 | 1893 |
| 3 | Wed | 6:47 | 6:35 | 12:43a | 2:57p | 92 | 1970 | 43 | 1984 | 83 | 62 | 72 | 3.21 | 1995 |
| 4 | Thu | 6:48 | 6:34 | 1:47a | 3:48p | 94 | 1925 | 44 | 1987 | 83 | 62 | 72 | 4.90 | 1995 |
| 5 | Fri | 6:48 | 6:33 | 2:53a | 4:35p | 93 | 1954 | 44 | 2010 | 82 | 61 | 72 | 3.31 | 1935 |
| 6 | Sat | 6:49 | 6:31 | 3:59a | 5:18p | 93 | 1941 | 43 | 1932 | 82 | 61 | 72 | 4.11 | 1910 |
| 7 | Sun | 6:50 | 6:30 | 5:05a | 5:58p | 92 | 1941 | 43 | 1964 | 82 | 61 | 71 | 2.81 | 2017 |
| 8 | Mon | 6:50 | 6:29 | 6:10a | 6:36p | 94 | 1941 | 43 | 1991 | 81 | 60 | 70 | 3.39 | 1894 |
| 9 | Tue | 6:51 | 6:28 | 7:13a | 7:14p | 94 | 1941 | 42 | 2000 | 81 | 60 | 70 | 5.03 | 1905 |
| 10 | Wed | 6:52 | 6:27 | 8:16a | 7:52p | 92 | 1981 | 44 | 1951 | 81 | 60 | 70 | 2.40 | 1878 |
| 11 | Thu | 6:52 | 6:26 | 9:16a | 8:31p | 92 | 2017 | 42 | 2000 | 81 | 59 | 70 | 2.14 | 1895 |
| 12 | Fri | 6:53 | 6:24 | 10:16a | 9:12p | 89 | 2009 | 42 | 2000 | 80 | 59 | 70 | 2.00 | 1983 |
| 13 | Sat | 6:54 | 6:23 | 11:13a | 9:56p | 92 | 1963 | 41 | 1977 | 80 | 59 | 69 | 2.98 | 1912 |
| 14 | Sun | 6:54 | 6:22 | 12:07p | 10:43p | 90 | 1972 | 40 | 1977 | 80 | 58 | 69 | 2.13 | 1959 |
| 15 | Mon | 6:55 | 6:21 | 12:58p | 11:32p | 89 | 2015 | 41 | 2010 | 79 | 58 | 69 | 5.46 | 1932 |
| 16 | Tue | 6:56 | 6:20 | 1:45p | – | 93 | 2015 | 43 | 1987 | 79 | 58 | 68 | 3.49 | 1923 |
| 17 | Wed | 6:56 | 6:19 | 2:29p | 12:23a | 90 | 1972 | 38 | 1991 | 79 | 57 | 68 | 5.77 | 1937 |
| 18 | Thu | 6:57 | 6:18 | 3:08p | 1:16a | 89 | 1972 | 39 | 1948 | 79 | 57 | 68 | 3.46 | 1912 |
| 19 | Fri | 6:58 | 6:17 | 3:45p | 2:09a | 88 | 1949 | 38 | 1989 | 78 | 57 | 67 | 2.04 | 1887 |
| 20 | Sat | 6:58 | 6:16 | 4:20p | 3:03a | 89 | 2016 | 33 | 1989 | 78 | 56 | 67 | 1.84 | 1956 |
| 21 | Sun | 6:59 | 6:15 | 4:54p | 3:58a | 88 | 1963 | 35 | 1989 | 78 | 56 | 67 | .69 | 1947 |
| 22 | Mon | 7:00 | 6:14 | 5:27p | 4:53a | 91 | 1963 | 38 | 2011 | 78 | 56 | 67 | 4.07 | 2017 |
| 23 | Tue | 7:00 | 6:13 | 6:01p | 5:50a | 90 | 1941 | 38 | 1937 | 77 | 55 | 66 | 2.55 | 1892 |
| 24 | Wed | 7:01 | 6:12 | 6:37p | 6:48a | 87 | 1941 | 37 | 1999 | 77 | 55 | 66 | 4.21 | 1920 |
| 25 | Thu | 7:02 | 6:11 | 7:16p | 7:49a | 88 | 1927 | 38 | 1999 | 77 | 55 | 66 | 2.42 | 1942 |
| 26 | Fri | 7:03 | 6:10 | 7:58p | 8:51a | 87 | 1936 | 37 | 2005 | 77 | 54 | 65 | 4.81 | 2015 |
| 27 | Sat | 7:03 | 6:09 | 8:46p | 9:54a | 88 | 1939 | 33 | 1957 | 76 | 54 | 65 | 3.03 | 1984 |
| 28 | Sun | 7:04 | 6:08 | 9:39p | 10:56a | 89 | 1963 | 32 | 1957 | 76 | 54 | 65 | 2.84 | 1880 |
| 29 | Mon | 7:05 | 6:07 | 10:37p | 11:57a | 87 | 2000 | 32 | 2008 | 76 | 53 | 65 | 4.99 | 1985 |
| 30 | Tue | 7:06 | 6:06 | 11:39p | 12:54p | 87 | 2016 | 34 | 1952 | 75 | 53 | 64 | 4.25 | 1967 |
| 31 | Wed | 7:06 | 6:05 | – | 1:46p | 88 | 2016 | 30 | 1993 | 75 | 53 | 64 | 5.20 | 1882 |

**Data for Mobile, Alabama**
**a = A.M. p = P.M.**

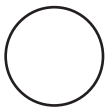
*** Includes melted snow, sleet and hail**

## OCTOBER

| | | | | |
|---|---|---|---|---|
| *Normal Precipitation* | *3.69"* | *Wettest* | *13.44"* | *2017* |
| *Normal Temperature* | *68.4°* | *Driest* | *.00"* | *1874, 2016* |

# NOVEMBER, 2018

All times listed are CENTRAL STANDARD TIME**

| New Moon | First Quarter | Full Moon | Last Quarter |
|---|---|---|---|
|  |  |  |  |
| 7th 10:02 A.M. | 15th 8:54 A.M. | 22nd 11:39 P.M. | 29th 6:19 P.M. |

| DAY OF | | SUN | | MOON | | TEMPERATURE EXTREMES | | | | TEMPERATURE NORMALS | | | GREATEST PRECIP.* | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Month | Week | Rise | Set | Rise | Set | High | Year | Low | Year | High | Low | Mean | Total | Year |
| 1 | Thu | 7:07 | 6:04 | 12:44a | 2:33p | 87 | 1971 | 28 | 1993 | 75 | 53 | 64 | 2.13 | 1979 |
| 2 | Fri | 7:08 | 6:03 | 1:48a | 3:16p | 87 | 1971 | 30 | 1966 | 75 | 52 | 63 | 1.92 | 1995 |
| 3 | Sat | 7:09 | 6:03 | 2:23a | 3:55p | 87 | 2016 | 26 | 1966 | 74 | 52 | 63 | 1.60 | 2010 |
| 4 | Sun | 6:10 | 5:02 | 2:56a | 3:33p | 88 | 2016 | 28 | 1991 | 74 | 52 | 63 | 2.62 | 1992 |
| 5 | Mon | 6:10 | 5:01 | 3:59a | 4:09p | 86 | 2015 | 27 | 1991 | 74 | 51 | 63 | 1.73 | 1875 |
| 6 | Tue | 6:11 | 5:01 | 5:00a | 4:46p | 87 | 2003 | 30 | 1991 | 74 | 51 | 62 | 7.01 | 1975 |
| 7 | Wed | 6:12 | 5:00 | 6:01a | 5:25p | 85 | 1935 | 27 | 1959 | 73 | 51 | 62 | 4.74 | 1989 |
| 8 | Thu | 6:13 | 4:59 | 7:01a | 6:05p | 83 | 2005 | 28 | 1951 | 73 | 51 | 62 | 3.11 | 1926 |
| 9 | Fri | 6:14 | 4:58 | 8:00a | 6:48p | 83 | 1986 | 30 | 1991 | 73 | 50 | 61 | 3.54 | 1975 |
| 10 | Sat | 6:15 | 4:58 | 8:56a | 7:34p | 81 | 1988 | 28 | 1991 | 72 | 50 | 61 | 3.14 | 1919 |
| 11 | Sun | 6:15 | 4:57 | 9:50a | 8:23p | 83 | 1985 | 31 | 2011 | 72 | 50 | 61 | 3.25 | 2004 |
| 12 | Mon | 6:16 | 4:57 | 10:39a | 9:13p | 83 | 2003 | 29 | 1894 | 72 | 50 | 61 | 3.24 | 1992 |
| 13 | Tue | 6:17 | 4:56 | 11:24a | 10:05p | 83 | 2005 | 31 | 1911 | 71 | 49 | 60 | 4.43 | 1914 |
| 14 | Wed | 6:18 | 4:56 | 12:06p | 10:59p | 82 | 2008 | 28 | 1969 | 71 | 49 | 60 | 1.55 | 1929 |
| 15 | Thu | 6:19 | 4:55 | 12:43p | 11:52p | 83 | 1980 | 25 | 1940 | 71 | 49 | 60 | 5.70 | 2006 |
| 16 | Fri | 6:20 | 4:55 | 1:19p | – | 82 | 2011 | 24 | 1940 | 71 | 48 | 59 | 3.15 | 1987 |
| 17 | Sat | 6:20 | 4:54 | 1:52p | 12:46a | 83 | 2003 | 28 | 1997 | 70 | 48 | 59 | 2.00 | 1876 |
| 18 | Sun | 6:21 | 4:54 | 2:25p | 1:40a | 82 | 1958 | 25 | 1951 | 70 | 48 | 59 | 2.52 | 2000 |
| 19 | Mon | 6:22 | 4:53 | 2:58p | 2:36a | 82 | 1985 | 23 | 2014 | 70 | 48 | 59 | 1.99 | 1948 |
| 20 | Tue | 6:23 | 4:53 | 3:33p | 3:34a | 84 | 1973 | 27 | 1937 | 69 | 47 | 58 | 2.35 | 1999 |
| 21 | Wed | 6:24 | 4:53 | 4:10p | 4:33a | 82 | 1994 | 25 | 1887 | 69 | 47 | 58 | 2.39 | 1977 |
| 22 | Thu | 6:25 | 4:53 | 4:51p | 5:35a | 81 | 1973 | 26 | 2000 | 69 | 47 | 58 | 4.87 | 1907 |
| 23 | Fri | 6:26 | 4:52 | 5:38p | 6:39a | 83 | 1973 | 25 | 1956 | 68 | 47 | 58 | 2.46 | 1948 |
| 24 | Sat | 6:26 | 4:52 | 6:30p | 7:44a | 81 | 1973 | 24 | 1970 | 68 | 46 | 57 | 2.85 | 2000 |
| 25 | Sun | 6:27 | 4:51 | 7:28p | 8:48a | 84 | 1973 | 22 | 1950 | 68 | 46 | 57 | 2.97 | 1944 |
| 26 | Mon | 6:28 | 4:51 | 8:31p | 9:49a | 82 | 1973 | 29 | 1950 | 67 | 46 | 57 | 3.32 | 1878 |
| 27 | Tue | 6:29 | 4:51 | 9:36p | 10:44a | 82 | 1973 | 27 | 1956 | 67 | 46 | 56 | 3.35 | 1914 |
| 28 | Wed | 6:30 | 4:51 | 10:42p | 11:33a | 80 | 2005 | 25 | 2013 | 67 | 45 | 56 | 2.15 | 1976 |
| 29 | Thu | 6:31 | 4:51 | 11:46p | 12:17p | 79 | 2016 | 25 | 1976 | 67 | 45 | 56 | 3.46 | 1913 |
| 30 | Fri | 6:31 | 4:51 | – | 12:57p | 80 | 1967 | 24 | 1976 | 66 | 45 | 56 | 2.77 | 1930 |

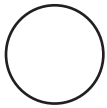
**Data for Mobile, Alabama** ****CENTRAL STANDARD TIME begins on Nov. 4.** *** Includes melted snow, sleet and hail**
**a = A.M. p = P.M.**

## NOVEMBER

| | | | | |
|---|---|---|---|---|
| *Normal Precipitation* | *5.13"* | *Wettest* | *13.65"* | *1948* |
| *Normal Temperature* | *59.6°* | *Driest* | *.06"* | *1924* |

# DECEMBER, 2018

All times listed are CENTRAL STANDARD TIME

| New Moon | First Quarter | Full Moon | Last Quarter |
|---|---|---|---|
|  |  |  |  |
| 7th 1:20 A.M. | 15th 5:49 A.M. | 22nd 11:49 A.M. | 29th 3:34 A.M. |

| DAY OF | | SUN | | MOON | | TEMPERATURE EXTREMES | | | | TEMPERATURE NORMALS | | | GREATEST PRECIP.* | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Month | Week | Rise | Set | Rise | Set | High | Year | Low | Year | High | Low | Mean | Total | Year |
| 1 | Sat | 6:32 | 4:51 | 12:49a | 1:34p | 80 | 1982 | 24 | 1964 | 66 | 45 | 55 | 2.26 | 1996 |
| 2 | Sun | 6:33 | 4:51 | 1:51a | 2:10p | 79 | 1991 | 22 | 1876 | 66 | 45 | 55 | 1.87 | 1905 |
| 3 | Mon | 6:34 | 4:51 | 2:51a | 2:46p | 79 | 1933 | 22 | 1929 | 65 | 44 | 55 | 2.36 | 1955 |
| 4 | Tue | 6:35 | 4:51 | 3:51a | 3:22p | 79 | 2005 | 25 | 1989 | 65 | 44 | 55 | 2.94 | 1955 |
| 5 | Wed | 6:35 | 4:51 | 4:50a | 4:01p | 79 | 1998 | 24 | 1886 | 65 | 44 | 54 | 1.56 | 1953 |
| 6 | Thu | 6:36 | 4:51 | 5:49a | 4:42p | 81 | 1998 | 23 | 1886 | 65 | 44 | 54 | 2.90 | 1953 |
| 7 | Fri | 6:37 | 4:51 | 6:46a | 5:27p | 81 | 1998 | 22 | 1937 | 64 | 44 | 54 | 1.69 | 1948 |
| 8 | Sat | 6:38 | 4:51 | 7:41a | 6:14p | 80 | 1998 | 24 | 2006 | 64 | 43 | 54 | 2.18 | 1887 |
| 9 | Sun | 6:38 | 4:51 | 8:32a | 7:04p | 80 | 1986 | 22 | 2010 | 64 | 43 | 54 | 2.78 | 1952 |
| 10 | Mon | 6:39 | 4:52 | 9:19a | 7:56p | 80 | 2012 | 22 | 1995 | 64 | 43 | 53 | 3.60 | 1961 |
| 11 | Tue | 6:40 | 4:52 | 10:02a | 8:49p | 78 | 2015 | 22 | 1957 | 63 | 43 | 53 | 3.68 | 1983 |
| 12 | Wed | 6:40 | 4:52 | 10:42a | 9:42p | 81 | 1971 | 14 | 1962 | 63 | 43 | 53 | 4.06 | 2009 |
| 13 | Thu | 6:41 | 4:52 | 11:18a | 10:36p | 79 | 2007 | 10 | 1962 | 63 | 43 | 53 | 4.18 | 1885 |
| 14 | Fri | 6:42 | 4:53 | 11:51a | 11:29p | 78 | 1995 | 24 | 2010 | 63 | 42 | 53 | 2.27 | 1943 |
| 15 | Sat | 6:42 | 4:53 | 12:24p | – | 79 | 1971 | 20 | 1901 | 63 | 42 | 52 | 4.21 | 1891 |
| 16 | Sun | 6:43 | 4:53 | 12:56p | 12:23a | 81 | 1971 | 16 | 1901 | 62 | 42 | 52 | 2.48 | 1902 |
| 17 | Mon | 6:44 | 4:54 | 1:29p | 1:18a | 78 | 2008 | 25 | 1963 | 62 | 42 | 52 | 3.00 | 1995 |
| 18 | Tue | 6:44 | 4:54 | 2:04p | 2:16a | 77 | 2006 | 19 | 1901 | 62 | 42 | 52 | 4.68 | 1995 |
| 19 | Wed | 6:45 | 4:55 | 2:42p | 3:15a | 80 | 1967 | 17 | 1981 | 62 | 42 | 52 | 1.30 | 1887 |
| 20 | Thu | 6:45 | 4:55 | 3:26p | 4:18a | 78 | 1978 | 17 | 1981 | 62 | 42 | 52 | 2.90 | 2007 |
| 21 | Fri | 6:46 | 4:55 | 4:15p | 5:23a | 79 | 1998 | 16 | 1901 | 62 | 41 | 52 | 2.03 | 1918 |
| 22 | Sat | 6:46 | 4:56 | 5:12p | 6:29a | 79 | 1884 | 13 | 1989 | 62 | 41 | 51 | 4.29 | 1911 |
| 23 | Sun | 6:47 | 4:57 | 6:14p | 7:34a | 79 | 1970 | 9 | 1989 | 61 | 41 | 51 | 4.03 | 2015 |
| 24 | Mon | 6:47 | 4:57 | 7:21p | 8:33a | 78 | 2016 | 9 | 1989 | 61 | 41 | 51 | 1.80 | 1924 |
| 25 | Tue | 6:48 | 4:58 | 8:29p | 9:27a | 80 | 2016 | 8 | 1983 | 61 | 41 | 51 | 2.15 | 1943 |
| 26 | Wed | 6:48 | 4:58 | 9:37p | 10:15a | 78 | 1964 | 14 | 1983 | 61 | 41 | 51 | 2.14 | 1939 |
| 27 | Thu | 6:48 | 4:59 | 10:42p | 10:58a | 80 | 2016 | 18 | 1872 | 61 | 41 | 51 | 2.90 | 1942 |
| 28 | Fri | 6:49 | 4:59 | 11:45p | 11:36a | 81 | 1974 | 18 | 1925 | 61 | 41 | 51 | 5.10 | 1901 |
| 29 | Sat | 6:49 | 5:00 | – | 12:13p | 78 | 1974 | 16 | 1894 | 61 | 41 | 51 | 1.97 | 1914 |
| 30 | Sun | 6:49 | 5:01 | 12:46a | 12:48p | 79 | 1974 | 14 | 1880 | 61 | 40 | 51 | 4.51 | 1968 |
| 31 | Mon | 6:50 | 5:02 | 1:45a | 1:24p | 78 | 1988 | 14 | 1983 | 61 | 40 | 51 | 4.10 | 2002 |

**Data for Mobile, Alabama**
**a = A.M. p = P.M.**

*** Includes melted snow, sleet and hail**

## DECEMBER

*Normal Precipitation 5.06" Wettest 15.37" 2009*
*Normal Temperature 52.4° Driest .53" 1889*
*Greatest Snowfall 3.0" Dec. 31, 1963*

## 2017 MOBILE AREA WEATHER HIGHLIGHTS

**JANUARY 1-2** *HEAVY RAIN AND WIND* A series of low pressure disturbances along a stalled front produced 7.96"of rain at Mobile Regional Airport. Of that total, 5.84" fell on January 1 (a record for the date) followed by 2.12" on January 2. Straight line winds from a severe thunderstorm on January 2 uprooted numerous trees and damaged several buildings in Gulf Shores along Alabama Highway 59 from Fort Morgan Road to Alabama Highway 182.

**JUNE** *WET MONTH* Measurable rain fell on 20 days at the Mobile Regional Airport with 6.83" falling from the 20th to the 22nd. A total of 14.36" of rain was recorded for the month.

**AUGUST 29-30** *HURRICANE HARVEY* The remnants of Hurricane Harvey drifted east from Houston producing 5.83" at Mobile Regional Airport for the two-day period of the 29th-30th.

**OCTOBER 7-8** *HURRICANE NATE* After causing severe flooding in Central America, Hurricane Nate made landfall at the mouth of the Mississippi River late on October 7 followed by a second landfall on the Mississippi Coast before midnight. Nate was a Category 1 hurricane with 85 mph winds when the center reached the coast at Biloxi. Mobile Regional Airport experienced a 66 mph gust after midnight on October 8 and a storm rainfall total of 4.36".

**OCTOBER** *RECORD MONTHLY RAINFALL* A slow-moving cold front produced a daily record of 4.07" of rain on October 22 at Mobile Regional Airport. Rainfall totals in excess of 4" were widespread with flooding on both the Fish River and Styx River in Baldwin County. Tornado funnels were reported near Foley and Orange Beach. This rainfall brought the monthly total to 13.44", a new October record at Mobile Regional Airport.

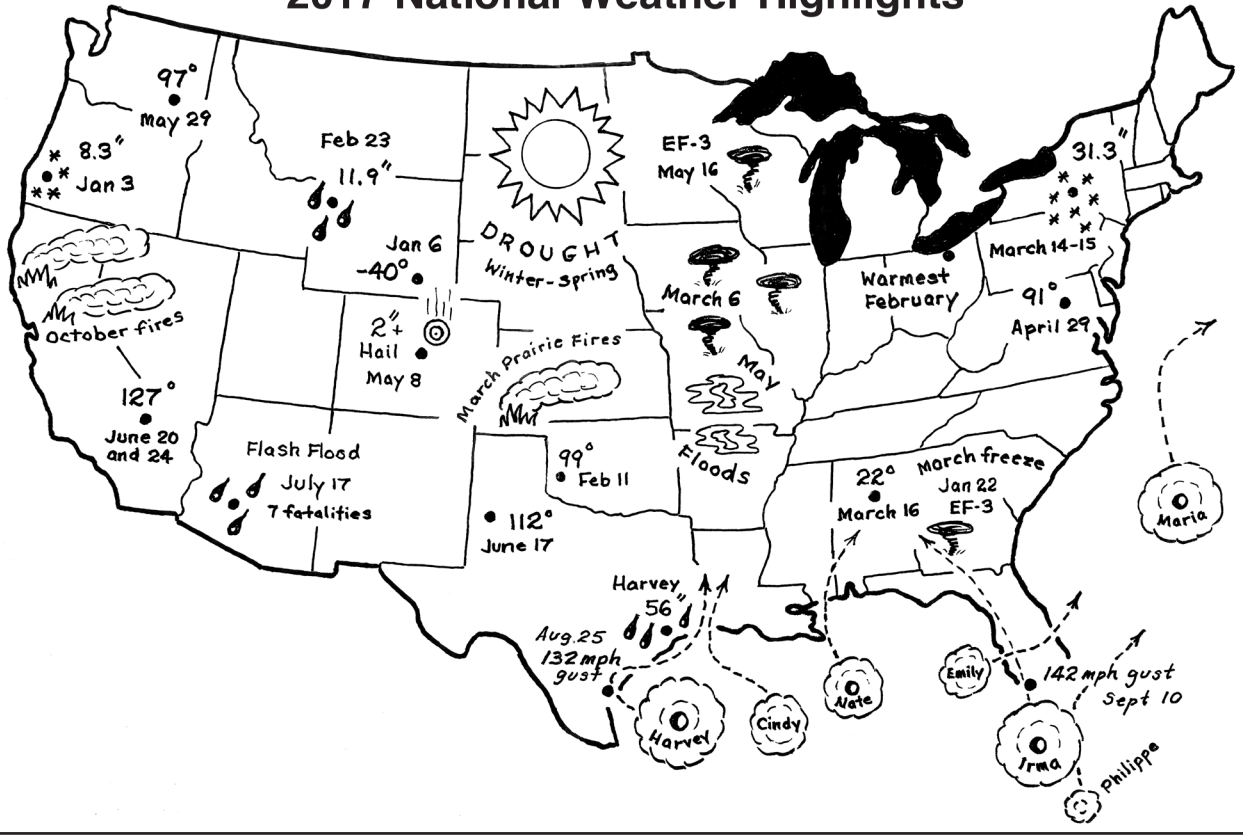

# LCM Motorcars

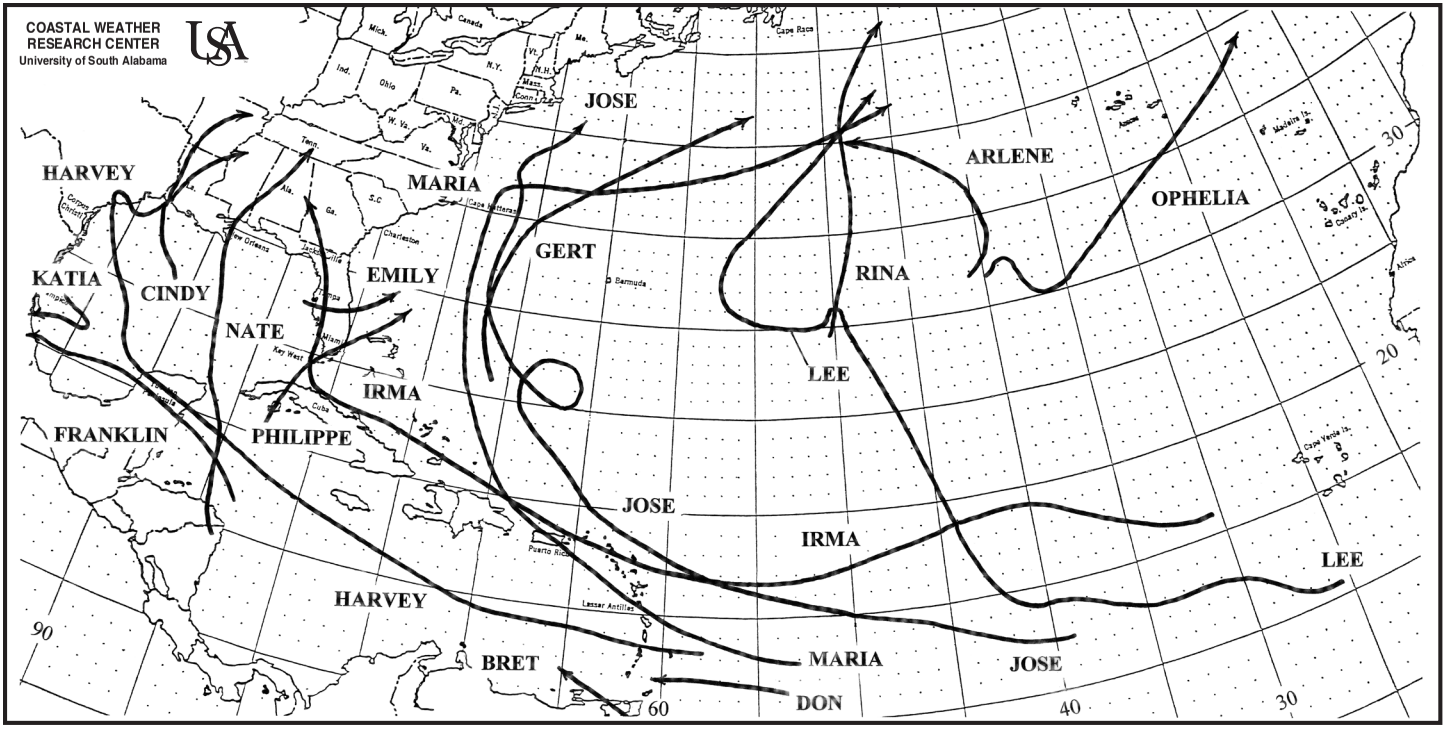
5711 Highway 90 West
Theodore, AL 36582
251-375-0068
Fax: 251-375-0069

Free Car Fax On Any Vehicle
Rates As Low As 2.75% WAC
Finance Plans For Everyone
lcmmotorcars.com



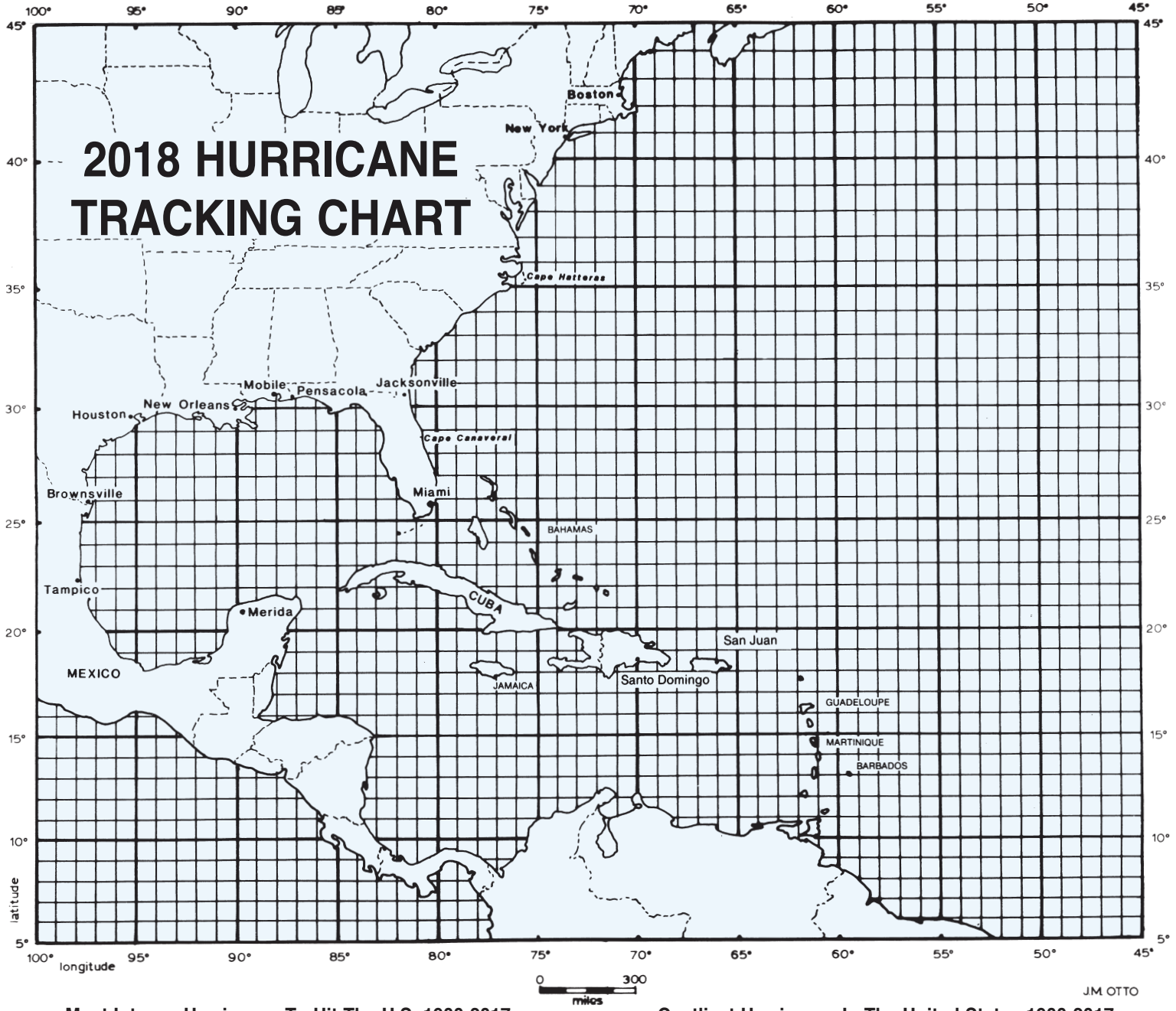
# 2017 National Weather Highlights






# 2017 HURRICANE SEASON

**Hurricanes:** *Franklin, Gert, Harvey, Irma, Jose, Katia, Lee, Maria, Nate and Ophelia*




## Most Intense Hurricanes To Hit The U.S. 1900-2017

| HURRICANE | YEAR | PRES. (in.) | HURRICANE | YEAR | PRES. (in.) |
|---|---|---|---|---|---|
| 1. Florida (Keys) | 1935 | 26.35 | 6. IRMA (Keys) | 2017 | 27.43 |
| 2. CAMILLE (MS) | 1969 | 26.84 | 7. Florida (South Florida) | 1928 | 27.43 |
| 3. KATRINA (LA/MS) | 2005 | 27.17 | 8. DONNA (Florida) | 1960 | 27.46 |
| 4. ANDREW (FL/LA) | 1992 | 27.23 | 9. Florida (Miami)/MS/AL | 1926 | 27.46 |
| 5. Florida (Keys)/S. Texas | 1919 | 27.37 | 10. CARLA (Texas) | 1961 | 27.49 |

## Costliest Hurricanes In The United States 1900-2017

Billions of Dollars at Time of Occurrence

| HURRICANE | YEAR | COST | HURRICANE | YEAR | COST |
|---|---|---|---|---|---|
| 1. HARVEY | 2017 | 198.6 | 6. ANDREW | 1992 | 26.5 |
| 2. KATRINA | 2005 | 108.0 | 7. WILMA | 2005 | 21.0 |
| 3. IRMA | 2017 | 64.7 | 8. IVAN | 2004 | 18.8 |
| 4. SANDY | 2012 | 50.0 | 9. CHARLEY | 2004 | 15.1 |
| 5. IKE | 2008 | 29.5 | 10. RITA | 2005 | 12.0 |



## 2018 ATLANTIC TROPICAL CYCLONE NAMES

ALBERTO
BERYL
CHRIS
DEBBY
ERNESTO
FLORENCE
GORDON
HELENE
ISAAC
JOYCE
KIRK
LESLIE
MICHAEL
NADINE
OSCAR
PATTY
RAFAEL
SARA
TONY
VALERIE
WILLIAM

## Deadliest Hurricanes To Hit The U.S. 1900-2017

| HURRICANE | YEAR | DEATHS |
|---|---|---|
| 1. Texas (Galveston) | 1900 | 8,000 |
| 2. Florida (South Florida) | 1928 | 2,500 |
| 3. KATRINA (LA/MS) | 2005 | 1,200 |
| 4. New England | 1938 | 600 |
| 5. Florida (Keys)/S. Texas | 1919 | 600 |
| 6. AUDREY (LA/TX) | 1957 | 416 |
| 7. Florida (Keys) | 1935 | 408 |
| 8. Northeast United States | 1944 | 390 |
| 9. Florida (Miami)/MS/AL | 1926 | 372 |
| 10. Louisiana (Grand Isle) | 1909 | 350 |

# 2017 HURRICANE SEASON IN REVIEW

by Dr. Keith G. Blackwell
Tropical Weather Specialist
Coastal Weather Research Center - USA

For the second year in a row, the 2017 Atlantic hurricane season experienced above-average activity (17 storms, 5 above normal). Similar to 2016, a resurgence in La Niña conditions contributed to a more favorable tropical cyclone environment in the Atlantic. This year an extra boost also came from a large region of above-normal water temperatures in the tropical Atlantic/Caribbean. The resulting string of powerful storms caused the Accumulated Cyclone Energy (ACE) Index to increase to 229% of normal this year compared to 136% last year and only 60% of normal in 2015. Ten hurricanes were observed (4 above normal) compared to 7 in 2016, 4 in 2015 and only 2 in 2014. Also, the 2017 season produced 6 major hurricanes with a record 2 category 4 storms striking the U.S. mainland in the same year.

The 2017 hurricane season was also characterized by:

- An active early season with Arlene, a rare April storm, and 2 June storms (Bret and Cindy).
- Within the top 5 ACE on record, along with the 1893, 1926, 1933 and 2005 seasons.
- Record September with 350% of normal monthly ACE from 4 major hurricanes including 2 category 5 storms (Irma and Maria).
- End of a record 11 straight seasons without a major U.S. hurricane landfall (Harvey and Irma).
- Three U.S. hurricane landfalls (Harvey, Irma and Nate) and 3 U.S. tropical storm landfalls (Cindy, Emily and Philippe) – all 6 on the Gulf Coast.
- Second-highest integrated kinetic energy (IKE) of any recorded hurricane at landfall (Irma).
- Sixth and 18th lowest U.S. pressures at landfall (Irma at 929 mb-FL and Harvey at 938 mb-TX).
- The largest rainfall totals ever recorded with a U.S. hurricane (slow-moving Harvey in TX).
- The fastest-moving Gulf of Mexico hurricane on record (Nate at 26 mph).
- Tied record of 10 hurricane formations in a row.
- Second consecutive year with a FL landfall.
- Strongest Atlantic hurricane so far east (Ophelia).

The 2017 season began very early with a rare April tropical storm (Arlene) in the open Atlantic. Weak and short-lived Bret and Don affected the Windward Islands in June and July while Cindy and Emily brought tropical storm conditions and heavy rainfall to SW LA and central FL, respectively. Franklin, the first hurricane and first of 10 in a row, moved westward across Yucatan and into Mexico. Gert, a mid-August category 2 hurricane, recurved off the East Coast and remained at sea.

Two category 4 hurricanes struck the U.S. in rapid succession in August/September. Hurricane Harvey sputtered across the Caribbean before explosively strengthening over the western Gulf of Mexico and striking TX with category 4 winds and devastating rainfall. Powerful Irma followed 2 weeks later with category 5 winds in the British Virgin Islands and damaging winds and storm surge in FL (see page 22).

A third category 4 September hurricane, slow-moving and meandering Jose, stayed offshore but clipped the Leeward Islands before stalling off of southern New England with rough surf and gusty coastal winds.

Katia, a short-lived category 2 Gulf hurricane struck Mexico in September followed by powerful category 5 Hurricane Maria which devastated Dominica, St. Croix and Puerto Rico in the eastern Caribbean.

Nate, an early October category 1 hurricane moved rapidly N from the Caribbean and struck SE LA, MS and AL with 85 mph winds, 7-10 inches of rain, 6-8 foot tides and tornadoes. Two deaths occurred in AL.

Philippe, a weak late October storm and the 6th to strike the U.S., skipped uneventfully across S FL.

The season ended in early November with short-lived Tropical Storm Rina moving northward over the central Atlantic with peak winds of 60 mph.

| Name | Status | Month | Wind (mph) | Pressure (millibars) |
|---|---|---|---|---|
| Arlene | TS | April | 50 | 992 |
| Bret | TS | June | 45 | 1005 |
| Cindy | TS | June | 60 | 992 |
| Don | TS | July | 50 | 1007 |
| Emily | TS | Jul-Aug | 45 | 1005 |
| Franklin | H-1 | August | 85 | 983 |
| Gert | H-2 | August | 105 | 967 |
| Harvey | **MH-4** | Aug-Sept | 130 | 938 |
| Irma | **MH-5** | Aug-Sept | 185 | 914 |
| Jose | **MH-4** | September | 155 | 938 |
| Katia | H-2 | September | 105 | 972 |
| Lee | **MH-3** | September | 115 | 962 |
| Maria | **MH-5** | September | 175 | 908 |
| Nate | H-1 | October | 90 | 981 |
| Ophelia | **MH-3** | October | 115 | 960 |
| Philippe | TS | October | 60 | 991 |
| Rina | TS | November | 60 | 995 |

TS=Tropical Storm; H=Hurricane; **MH**=Major Hurricane

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# Costly Hurricanes Return to the U.S. Mainland: Harvey and Irma – Major Impacts from Drastically Different Storms

by D. Andrew Murray
Senior Instructor in Meteorology
Forecaster and Hurricane/Severe Weather Specialist
Coastal Weather Research Center/Department of Earth Sciences, University of South Alabama

An eleven-season lull in major hurricane strikes on the U.S. mainland ended in 2017 as both Harvey (Texas) and Irma (Florida) made landfall on U.S. soil. In fact, 2017 marked the first time in U.S. history that two hurricanes of at least category 4 intensity made landfall in the United States within the same year. Although Harvey and Irma represent two of the most destructive hurricanes ever to hit the U.S. mainland, these storms were quite different in structure, track, and resulting damage.

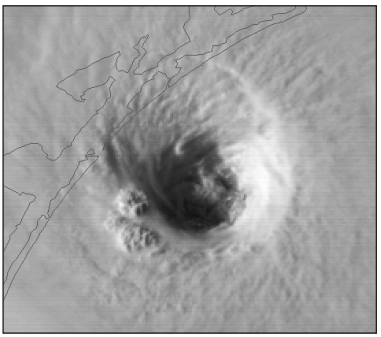
Harvey became a tropical storm on August 17 over the open Atlantic Ocean but weakened to a tropical wave in the Caribbean Sea due to strong wind shear. The wave moved into the Bay of Campeche, where it re-intensified into a major hurricane as it approached the TX coast. The storm strengthened through eventual landfall near Port Aransas late on August 25. Harvey caused significant wind damage along portions of the SE TX coast; however, its worst impacts were yet to come.

Immediately after landfall, upper-level winds around the storm weakened, and Harvey meandered around SE TX and SW LA as a tropical storm for 4-5 days, even briefly moving back over the extreme northwestern Gulf of Mexico. Exceptionally heavy rains persisted across SE TX and SW LA during this time over the eastern half of Harvey's circulation. Virtually all of SE TX and W LA received at least 10" of rainfall, with the region from Houston to Port Arthur, TX, seeing 40-50" accumulations with a maximum just over 60 inches. Devastating flooding resulted, particularly in the Houston area.

The life cycle and structure of Irma was quite different from Harvey. While Harvey was confined within the western Gulf of Mexico as a major hurricane, Irma became a major hurricane over the open Atlantic, peaking at an incredible 185 mph as it moved through the northern Leeward Islands. It remained powerful as it passed near Puerto Rico and through the Turks and Caicos and the SE Bahamas. After hitting Cuba, Irma began a slow turn towards the north in the direction of S FL and the FL Keys.

Irma briefly weakened due to land interaction with Cuba but re-intensified to a category 4 storm, moving directly over Cudjoe Key to the east of Key West, FL, early on September 10. Devastating storm surge affected the FL Keys and even impacted much of the SE FL coast, including downtown Miami. Strong winds also caused substantial damage to the lower and central Keys. Irma then continued north and made its final landfall on Marco Island near Naples later that afternoon. Storm surge heights near 10 feet occurred along the coast of SW FL in the Everglades, and damaging winds affected the FL Peninsula and S GA over the next day as it continued northward. Irma's sprawling size also caused storm surge from 6-8 feet along the coasts of NE FL and SE GA and from 4-6 feet all the way to the central SC coast.

These two storms produced widespread damage, but for different reasons. Although Harvey did produce some storm surge and reached category 4 intensity, by far its worst impacts were a result of the catastrophic flooding which resulted from the prolonged heavy rain event that followed. Irma's worst effects on the U.S. mainland were from storm surge along the coast from FL to SC and from widespread wind damage due to its large circulation. Together, these two storms made the 2017 hurricane season one of the costliest for the United States.



*The GOES-16 satellite captured the eye of Hurricane Harvey as new thunderstorms erupted on the southwest rim of the eyewall. This magnified picture was taken at 5:43 p.m. CDT on August 25 when Harvey was 45 miles east of Corpus Christi, Texas. At the time of this image, Harvey was moving NW at 8 mph with sustained winds of 130 mph and a central pressure of 27.79".*

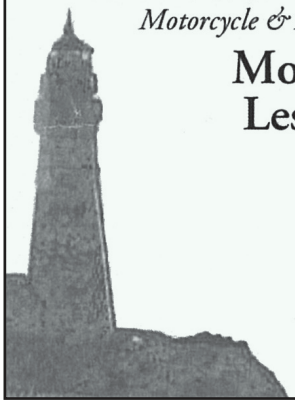
Courtesy of **University of Wisconsin/CIMSS**

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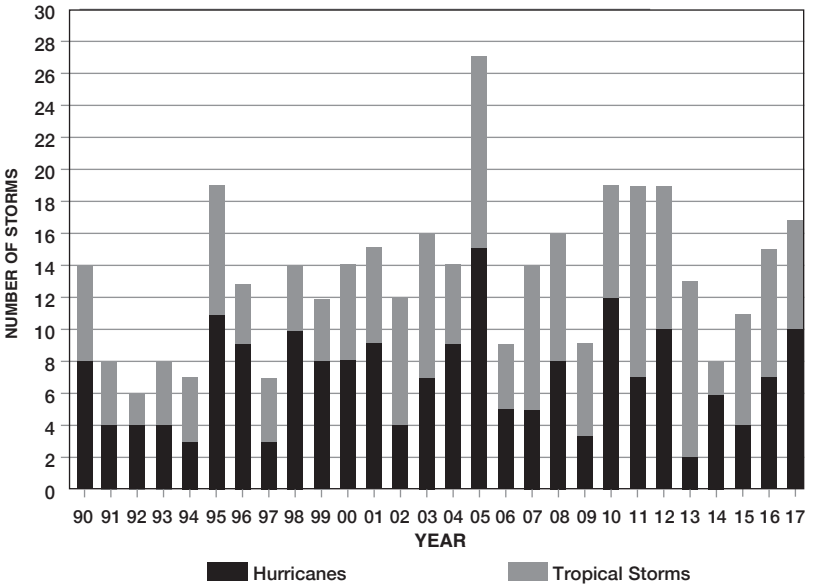

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## TROPICAL STORMS AND HURRICANES 1990-2017




The above graph shows the number of tropical storms and hurricanes each year from 1990 through 2017 with hurricanes shown in black and tropical storms in gray. The 27 named storms in 2005 is the all-time seasonal record. Although 1992 only produced six storms, it was a very memorable year. Hurricane Andrew, the first storm that season, was the only storm to reach the coast as a category five hurricane during the 28-year period and only the third in history.


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# WORLD WEATHER EXTREMES

**(Degrees Fahrenheit, Inches of Precipitation)**

**LOWEST TEMPERATURE**

| | | | |
|---|---|---|---|
| Alabama | -27 | New Market | January 30, 1966 |
| United States | -80 | Prospect Creek, Alaska | January 23, 1971 |
| (conterminous) | -70 | Rogers Pass, Montana | January 20, 1954 |
| Canada | -81 | Snag, Yukon | February 3, 1947 |
| World | -129 | Vostok, Antarctica | July 21, 1983 |

**HIGHEST TEMPERATURE**

| | | | |
|---|---|---|---|
| Alabama | 112 | Centreville | September 5, 1925 |
| United States | 134 | Death Valley, California | July 10, 1913 |
| Canada | 113 | Midale, Saskatchewan | July 5, 1937 |
| World | 134 | Death Valley, California | July 10, 1913 |

**HEAVY RAINFALL**

| | | | |
|---|---|---|---|
| 1 minute | 1.23” | Unionville, Missouri | July 4, 1956 |
| 60 minutes | 12.00” | Holt, Maryland | June 22, 1947 |
| 12 hours | 45.00” | Reunion Island | January 7-8, 1966 |
| 24 hours | 71.80” | Reunion Island | January 7-8, 1966 |
| 48 hours | 98.15” | Cherrapunji, India | June 15-16, 1995 |
| 72 hours | 154.72” | Reunion Island | February 24-26, 2007 |
| 12 months | 1,042.00” | Cherrapunji, India | August 1860 - July 1861 |

**HAIL**

| | | | |
|---|---|---|---|
| Heaviest | 2.25 lbs. | Gopalganj, Bangladesh | April 14, 1986 |

**DROUGHT**

| | | | |
|---|---|---|---|
| Longest | 173 months | Arica, Chile | October 1903 - January 1918 |

**WIND**

| | | | |
|---|---|---|---|
| Maximum Gust | 253 mph | Barrow Island, Australia | April 10, 1996 |

**LIGHTNING**

| | | | |
|---|---|---|---|
| Longest Flash | 199.5 miles | Oklahoma | June 20, 2007 |

*Source: World Meteorological Organization*

# ARE YOU STORM READY?

## Make a safety plan before severe weather strikes.

The Mobile area can experience severe weather any time of year. That's why Alabama Power wants you to know we stay prepared to work quickly and safely to restore service. Meanwhile, there are things you can do to be ready for storms, and their aftermath.

### BEFORE THE STORM

1. Charge cellphones, pagers and other electronic devices and make sure to have a battery-operated weather radio to stay informed at all times.
2. Create a family plan for emergencies and discuss how to stay safe in all weather conditions.
3. Set the thermostat to a comfortable level in your house. Keep doors and windows closed after the storm and your house will stay relatively comfortable for about 48 hours.
4. In the event of a tornado, plan to seek shelter inside a sturdy building, on the lowest level. Choose a small room with no windows, such as an interior closet, hallway or bathroom.

### AFTER THE STORM

1. Report an outage or a hazardous situation, such as a downed power line, by calling our automated reporting system at 1-800-888-APCO (2726).
2. Make sure roads are safe before driving. Even after precipitation has stopped, the roads can still be dangerous.
3. Turn off appliances to avoid any potential safety hazards when power is restored.
4. Never drive over or under downed power lines, and keep children and pets away from them. Stay away from fallen trees or debris where downed lines can be hiding.

   Do not attempt to remove tree limbs caught in downed power lines. Call Alabama Power at 1-800-888-APCO (2726) or local law enforcement.

### GENERATOR SAFETY

1. While portable generators can help keep appliances running during outages, they can also be deadly when used improperly. Always read and follow the manufacturer's instructions.
2. Connect only essential appliances such as a refrigerator directly to the generator. Plugging portable generators into your household electrical wiring can cause serious injury.
3. Always operate portable generators outdoors in a well-ventilated, dry area away from air intakes to the home to avoid carbon monoxide poisoning. A good location is an open shed.

**For more storm safety tips and information, visit AlabamaPower.com.**

## MOBILE WEATHER EXTREMES

(Degrees Fahrenheit, Inches of Precipitation)

| HOTTEST DAYS | | COLDEST DAYS | |
|---|---|---|---|
| 105° | August 29, 2000 | -1° | February 13, 1899 |
| 104° | July 25, 1952 | 3° | January 21, 1985 |
| 103° | September 5, 1925 | 6° | February 12, 1899 |
| 103° | July 24, 1952 | 7° | January 11, 1962 |
| 103° | July 14, 1980 | 7° | January 11, 1982 |
| 103° | June 3, 2011 | 8° | December 25, 1983 |

| WETTEST MONTHS | | DRIEST MONTHS | |
|---|---|---|---|
| 26.67 | June 1900 | .00 | October 2016 |
| 24.12 | September 1998 | .00 | October 1874 |
| 20.66 | June 2003 | T | October 1978 |
| 20.50 | July 1916 | .02 | October 1987 |
| 20.23 | March 1929 | .03 | October 1971 |

| WETTEST YEARS | DRIEST YEARS |
|---|---|
| 92.32 1881 | 37.15 1938 |
| 91.18 1900 | 39.50 1904 |
| 90.53 1947 | 42.35 1954 |
| 89.86 1912 | 42.51 1890 |
| 89.34 1929 | 43.96 1968 |


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Photo by Ben Raines/AL.com

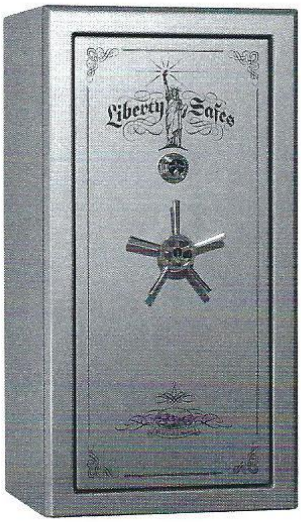
*This aerial photo of the eastern shoreline of Mobile Bay reveals the extent of damage to piers after a storm surge of 5'-6' from Hurricane Nate.*

## ALABAMA DEEP SEA FISHING RODEO RECORD HOLDERS

| | | Lbs. | Oz. | Year |
|---|---|---|---|---|
| Amberjack | Don Adcock | 120 | 13 | 2009 |
| Barracuda | Steven Hawkins | 52 | 4 | 2005 |
| Black Drum | Dianna Fournier | 62 | 13 | 2005 |
| Blackfin Tuna | Brian Shumock | 32 | 9 | 2008 |
| Blackfish | Bobby Barnes | 37 | 5 | 1976 |
| Bluefish | Leo Cooper | 14 | 4 | 1984 |
| Blue Marlin | Frank Moorer | 618 | 0 | 1991 |
| Blue Runner | Donald Davis | 10 | 4 | 1997 |
| Bonita | W.A. March, Jr. | 21 | 0 | 1956 |
| Cavalla | Brian Pelton | 48 | 5 | 1985 |
| Dolphin | Bancroft McMurphy | 58 | 8 | 1984 |
| Drum | Richard Collier | 56 | 4 | 1993 |
| Flounder | Billy Sprinkle | 10 | 4 | 1991 |
| Gray Snapper | Chris Schwall | 14 | 1 | 2006 |
| Gafftopsail | Barry Bracknell, Jr. | 8 | 13 | 1992 |
| Gray Triggerfish | Richard Collier | 10 | 8 | 2000 |
| Grouper | Jere Austill, Jr. | 74 | 8 | 1963 |
| King Mackerel | Jeremy Goldman | 69 | 15 | 2014 |
| Ladyfish | Sam Wooley, III | 3 | 15 | 1997 |
| Lane Snapper | John Gentry | 4 | 15 | 2016 |
| Ling | Artie Scholtes | 81 | 6 | 2002 |
| Pompano | Wesley Wing | 3 | 7 | 2017 |
| Red Snapper | Frances Patric | 37 | 8 | 1982 |
| Sailfish | Robert L. Meador, Jr. | 81 | 0 | 1974 |
| Scamp | Chad Robbins | 27 | 6 | 2006 |
| Shark | Earl White | 859 | 0 | 1981 |
| Sheepshead | Richard Collier | 13 | 7 | 1993 |
| Spanish Mackerel | Lee Olander | 7 | 12 | 1973 |
| Speckled Trout | Trenny Woodham | 8 | 14 | 2014 |
| Tarpon | Charlie H. Jackson | 173 | 0 | 1996 |
| Tuna | Doyle Taylor | 179 | 6 | 2006 |
| Vermilion Snapper | Chad Robbins | 5 | 4 | 2003 |
| Wahoo | David L. Meadows, Jr. | 92 | 12 | 1983 |
| Warsaw Grouper | Michael Driver | 226 | 0 | 1988 |
| White Marlin | Randy Gibbs | 93 | 8 | 1988 |
| White Trout | Willard Lowery, Jr. | 6 | 5 | 1998 |
| Yellowfin Tuna | James Wink | 182 | 0 | 2012 |

## 2017 ALABAMA DEEP SEA FISHING RODEO FIRST PLACE WINNERS

| | | Lbs. | Oz. |
|---|---|---|---|
| Barracuda | Mike Hartman, Jr. | 38 | 15 |
| Black Drum | Jonathan Jackson | 50 | 3 |
| Blackfin Tuna | Dwight McDonough | 25 | 5 |
| Blackfish | Rick Tourne | 21 | 3 |
| Blue Runner | Chad Henderson | 5 | 10 |
| Bluefish | Chad Henderson | 5 | 14 |
| Bonito | Jenny Dees Barnett | 15 | 9 |
| Cobia | Matt C. Glenn | 45 | 12 |
| Crevalle | James Nelson | 29 | 9 |
| Dolphin | Quentin Roberts | 32 | 8 |
| Flounder | Taylor Morrow | 5 | 7 |
| Gafftopsail | David Harrison | 7 | 14 |
| Gray Snapper | Jenny Dees Barnett | 11 | 12 |
| Grouper | Steve Cajote | 49 | 10 |
| King Mackerel | Neal Foster | 53 | 5 |
| Ladyfish | Donal Lee Bosarge, II | 3 | 7 |
| Lane Snapper | Garrison Childress | 3 | 7 |
| Pompano | Wesley Wing | 3 | 7 |
| Red Drum | Frank Mariano | 7 | 14 |
| Red Snapper | Larry D. Havens | 27 | 2 |
| Scamp | Kevin Barnhill | 14 | 4 |
| Shark | Chip Lindy | 45 | Pts |
| Sheepshead | Chase Gladstone Hall | 8 | 6 |
| Spanish Mackerel | Joe Teague | 5 | 15 |
| Speckled Trout | Jason Yrabedra | 7 | 7 |
| Tarpon | Dennis Rice | 375 | Pts |
| Vermilion Snapper | Jack Smith | 4 | 9 |
| Wahoo | Chris Bazor | 29 | 6 |
| White Trout | Cecily O'Brien | 3 | 5 |
| Yellowfin Tuna | Tyler Kennedy | 159 | 0 |




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# 2018 PREDICTED TIDES FOR MOBILE AND VICINITY

(See Pages 34-36)

## TIDES

The tides are caused by the gravitational attraction of the moon and sun on the Earth. The moon is the primary tide force. As the Earth turns eastward on its axis, the tides move westward somewhat after the passage of the moon. The expected tide pattern is two high and two low tides in 24 hours (a semi-daily or semi-diurnal tide pattern). The Gulf Coast, however, has a pattern that usually has only one high tide and one low tide in 24 hours (a daily or diurnal pattern) except for several days during the month. Two to seven days a month will have two high and two low tides during which fishing is said to be poor.

## TIDES AND WINDS

Mobile Bay is relatively shallow being less than 15 feet deep except in the ship channel (40 feet deep, 300 feet wide) and at the entrance to the Bay where natural inflow and outflow has made it deeper. Strong north winds that often accompany cold fronts may lower the water level of Mobile Bay causing boats to be grounded.

Likewise, strong south winds bring high water levels to the Bay producing flooding that has often closed the Causeway. Strong winds can cause greater differences in Bay water levels than the tides.

## TIDE CORRECTIONS

Tides given in the following tables are made up from National Ocean Survey data. Tides are based on **mean low water** (MLW) and are the predicted tides in feet and tenths of feet. A correction must be applied to the times and heights given in the tables for places other than the primary tides stations. For example, at Fort Gaines, at the Mobile Bay entrance, the tides will occur earlier (see Tidal Differences below). The High Tide is one hour and fifty-one minutes sooner at Fort Gaines (-1h51m) and the Low Tide is one hour and forty-nine minutes sooner (-1h49m) than at the mouth of the Mobile River. These times must be subtracted from the times listed in the Tide Tables. The height of predicted High Tide at Fort Gaines is also two-tenths of one foot less than that listed in the tables, hence, subtract this amount (-0.2) from the height of High Tide given to determine High Tide height at Fort Gaines.

### TIDE CORRECTIONS FOR OTHER LOCATIONS BASED UPON THE TIDES AT THE MOUTH OF THE MOBILE RIVER (h=hours, m=minutes)

| Place | Time | | Height (ft.) | |
|---|---|---|---|---|
| | High | Low | High | Low |
| Mobile Pt. (Ft. Morgan) | -1h 46m | -1h 32m | -0.3 | 0.0 |
| Ft. Gaines | | | | |
| Mobile Bay entrance | -1h 51m | -1h 49m | -0.2 | 0.0 |
| Bon Secour | | | | |
| Bon Secour River | -1h 13m | -1h 17m | +0.1 | 0.0 |
| Fowl River | | | | |
| Mobile Bay entrance | -0h 19m | -0h 09m | 0.0 | 0.0 |
| Great Point Clear | -1h 03m | -0h 57m | -0.1 | 0.0 |
| Lower Hall Landing | | | | |
| Tensaw River | +2h 16m | +3h 05m | -0.2 | 0.0 |

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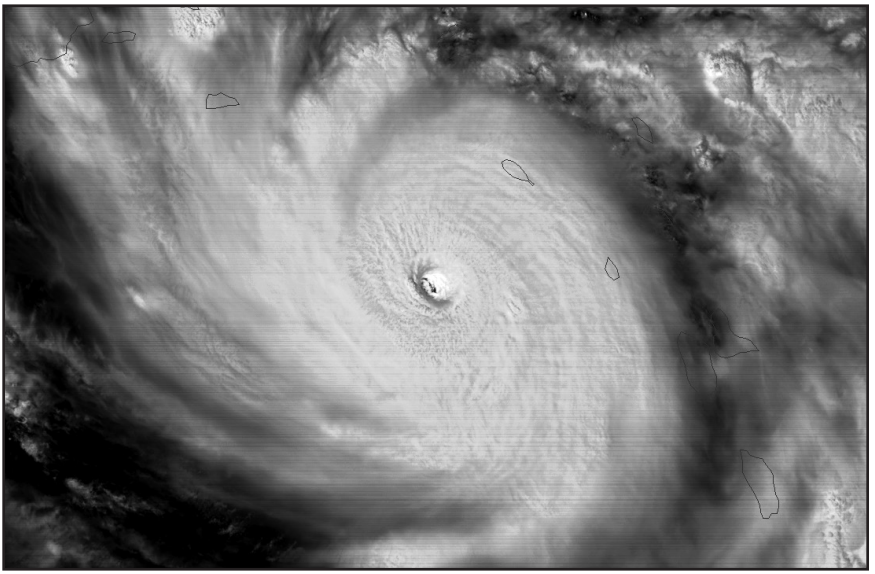
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Courtesy of University of Wisconsin/CIMSS

*GOES-16 provided this view of Hurricane Maria on September 19 at 1:47 p.m. AST as the powerful storm crossed the northeast Caribbean Sea. At the time of this photo, Maria had sustained winds of 160 mph and was tracking WNW at 10 mph. Maria's eye had a diameter of slightly less than 6 miles with a central pressure of 27.37".*

# 2018 PREDICTED TIDES, MOUTH OF THE MOBILE RIVER

## JANUARY

| DATE | | HIGH TIDE | | LOW TIDE | |
|---|---|---|---|---|---|
| | | Time | Height | Time | Height |
| Mon | 1 | 10:53p | 1.6 | 9:50a | -0.9 |
| Tue | 2 | 11:42p | 1.6 | 10:41a | -1.0 |
| Wed | 3 | – | – | 11:30a | -0.9 |
| Thu | 4 | 12:29a | 1.5 | 12:11p | -0.8 |
| Fri | 5 | 1:15a | 1.3 | 12:36p | -0.6 |
| Sat | 6 | 1:56a | 1.1 | 12:30p | -0.3 |
| Sun | 7 | 2:26a | 0.8 | 12:03p | -0.1 |
| | | 8:52p | 0.5 | 11:41p | 0.5 |
| Mon | 8 | 2:20a | 0.5 | 11:33a | 0.0 |
| | | 7:58p | 0.6 | – | – |
| Tue | 9 | 7:18p | 0.8 | 9:10a | 0.0 |
| Wed | 10 | 7:19p | 1.0 | 7:46a | -0.1 |
| Thu | 11 | 7:44p | 1.1 | 7:46a | -0.3 |
| Fri | 12 | 8:21p | 1.2 | 8:05a | -0.5 |
| Sat | 13 | 9:05p | 1.3 | 8:31a | -0.6 |
| Sun | 14 | 9:50p | 1.3 | 9:01a | -0.6 |
| Mon | 15 | 10:34p | 1.3 | 9:32a | -0.7 |
| Tue | 16 | 11:17p | 1.3 | 10:01a | -0.7 |
| Wed | 17 | 11:57p | 1.2 | 10:26a | -0.6 |
| Thu | 18 | – | – | 10:43a | -0.6 |
| Fri | 19 | 12:36a | 1.2 | 10:52a | -0.5 |
| Sat | 20 | 1:14a | 1.1 | 10:55a | -0.4 |
| Sun | 21 | 1:51a | 0.9 | 10:57a | -0.3 |
| Mon | 22 | 2:27a | 0.7 | 10:59a | -0.1 |
| | | 7:05p | 0.5 | 11:19p | 0.4 |
| Tue | 23 | 2:40a | 0.5 | 10:55a | 0.0 |
| | | 6:39p | 0.7 | – | – |
| Wed | 24 | 6:30p | 0.8 | 9:54a | 0.1 |
| Thu | 25 | 6:43p | 1.0 | 6:18a | -0.1 |
| Fri | 26 | 7:14p | 1.2 | 6:46a | -0.4 |
| Sat | 27 | 8:00p | 1.4 | 7:29a | -0.6 |
| Sun | 28 | 8:57p | 1.5 | 8:14a | -0.8 |
| Mon | 29 | 9:57p | 1.5 | 8:59a | -0.9 |
| Tue | 30 | 10:54p | 1.5 | 9:44a | -0.9 |
| Wed | 31 | 11:45p | 1.4 | 10:26a | -0.8 |

## FEBRUARY

| DATE | | HIGH TIDE | | LOW TIDE | |
|---|---|---|---|---|---|
| | | Time | Height | Time | Height |
| Thu | 1 | – | – | 11:00a | -0.7 |
| Fri | 2 | 12:33a | 1.2 | 11:16a | -0.4 |
| Sat | 3 | 1:18a | 1.0 | 10:59a | -0.2 |
| Sun | 4 | 1:57a | 0.8 | 10:35a | 0.0 |
| | | 6:22p | 0.5 | 10:10p | 0.4 |
| Mon | 5 | 2:20a | 0.5 | 10:12a | 0.1 |
| | | 5:44p | 0.7 | – | – |
| Tue | 6 | 5:26p | 0.9 | 8:55a | 0.2 |
| Wed | 7 | 5:39p | 1.0 | 6:19a | 0.0 |
| Thu | 8 | 6:08p | 1.1 | 6:33a | -0.2 |
| Fri | 9 | 6:47p | 1.2 | 7:03a | -0.3 |
| Sat | 10 | 7:36p | 1.3 | 7:36a | -0.4 |
| Sun | 11 | 8:32p | 1.3 | 8:09a | -0.5 |
| Mon | 12 | 9:31p | 1.3 | 8:40a | -0.5 |
| Tue | 13 | 10:25p | 1.3 | 9:07a | -0.5 |
| Wed | 14 | 11:13p | 1.2 | 9:29a | -0.4 |
| Thu | 15 | 11:58p | 1.2 | 9:43a | -0.4 |
| Fri | 16 | – | – | 9:48a | -0.3 |
| Sat | 17 | 12:43a | 1.1 | 9:46a | -0.1 |
| Sun | 18 | 1:33a | 0.9 | 9:44a | 0.0 |
| | | 5:28p | 0.6 | 8:47p | 0.5 |
| Mon | 19 | 2:37a | 0.7 | 9:43a | 0.1 |
| | | 4:59p | 0.7 | 10:07p | 0.4 |
| Tue | 20 | 4:11a | 0.5 | 9:37a | 0.3 |
| | | 4:44p | 0.8 | – | – |
| Wed | 21 | 6:44a | 0.4 | 12:03a | 0.3 |
| | | 4:47p | 1.0 | 8:44a | 0.3 |
| Thu | 22 | 5:08p | 1.2 | 3:49a | 0.1 |
| Fri | 23 | 5:43p | 1.4 | 5:16a | -0.2 |
| Sat | 24 | 6:30p | 1.5 | 6:20a | -0.4 |
| Sun | 25 | 7:29p | 1.5 | 7:13a | -0.5 |
| Mon | 26 | 8:41p | 1.5 | 8:00a | -0.6 |
| Tue | 27 | 9:56p | 1.5 | 8:43a | -0.6 |
| Wed | 28 | 11:01p | 1.4 | 9:19a | -0.5 |

## MARCH

| DATE | | HIGH TIDE | | LOW TIDE | |
|---|---|---|---|---|---|
| | | Time | Height | Time | Height |
| Thu | 1 | – | – | 9:47a | -0.3 |
| Fri | 2 | 12:00a | 1.2 | 9:52a | 0.0 |
| Sat | 3 | 12:59a | 1.0 | 9:29a | 0.2 |
| | | 4:48p | 0.6 | 8:06p | 0.5 |
| Sun | 4 | 2:24a | 0.8 | 9:12a | 0.4 |
| | | 4:10p | 0.7 | 9:25p | 0.4 |
| Mon | 5 | 4:35a | 0.6 | 8:56a | 0.5 |
| | | 3:32p | 0.9 | 10:48p | 0.3 |
| Tue | 6 | 3:34p | 1.1 | – | – |
| Wed | 7 | 3:59p | 1.3 | 1:55a | 0.2 |
| Thu | 8 | 4:33p | 1.4 | 3:58a | 0.1 |
| Fri | 9 | 5:12p | 1.4 | 5:14a | 0.0 |
| Sat | 10 | 5:57p | 1.4 | 6:11a | -0.1 |
| Sun | 11* | 7:50p | 1.4 | 7:56a | -0.1 |
| Mon | 12 | 8:53p | 1.4 | 8:32a | -0.1 |
| Tue | 13 | 10:07p | 1.3 | 9:01a | -0.1 |
| Wed | 14 | 11:17p | 1.3 | 9:22a | -0.1 |
| Thu | 15 | – | – | 9:35a | 0.0 |
| Fri | 16 | 12:18a | 1.2 | 9:38a | 0.2 |
| Sat | 17 | 1:19a | 1.1 | 9:33a | 0.3 |
| | | 4:47p | 0.8 | 8:27p | 0.7 |
| Sun | 18 | 2:34a | 1.0 | 9:28a | 0.4 |
| | | 4:07p | 0.8 | 9:31p | 0.5 |
| Mon | 19 | 4:19a | 0.9 | 9:25a | 0.6 |
| | | 3:44p | 1.0 | 10:31p | 0.4 |
| Tue | 20 | 6:09a | 0.8 | 9:15a | 0.7 |
| | | 3:42p | 1.2 | 11:41p | 0.3 |
| Wed | 21 | 4:00p | 1.4 | – | – |
| Thu | 22 | 4:33p | 1.5 | 2:04a | 0.2 |
| Fri | 23 | 5:14p | 1.7 | 4:14a | 0.0 |
| Sat | 24 | 6:02p | 1.7 | 5:40a | -0.1 |
| Sun | 25 | 6:55p | 1.7 | 6:50a | -0.2 |
| Mon | 26 | 7:57p | 1.6 | 7:47a | -0.2 |
| Tue | 27 | 9:15p | 1.5 | 8:32a | -0.2 |
| Wed | 28 | 10:59p | 1.4 | 9:08a | 0.0 |
| Thu | 29 | – | – | 9:29a | 0.2 |
| Fri | 30 | 12:36a | 1.2 | 9:19a | 0.4 |
| | | 4:01p | 0.8 | 7:26p | 0.7 |
| Sat | 31 | 2:19a | 1.0 | 8:51a | 0.6 |
| | | 3:20p | 0.9 | 8:52p | 0.6 |

*After 2:00 am Sunday, March 11, times are shown in Daylight Saving Time until 2:00 am Sunday, November 4.

## APRIL

| DATE | | HIGH TIDE | | LOW TIDE | |
|---|---|---|---|---|---|
| | | Time | Height | Time | Height |
| Sun | 1 | 4:27a | 0.9 | 8:37a | 0.7 |
| | | 2:28p | 1.1 | 9:56p | 0.4 |
| Mon | 2 | 2:24p | 1.3 | 10:55p | 0.3 |
| Tue | 3 | 2:47p | 1.5 | – | – |
| Wed | 4 | 3:21p | 1.6 | 12:04a | 0.3 |
| Thu | 5 | 3:59p | 1.6 | 1:58a | 0.2 |
| Fri | 6 | 4:41p | 1.6 | 3:40a | 0.2 |
| Sat | 7 | 5:25p | 1.6 | 4:56a | 0.2 |
| Sun | 8 | 6:10p | 1.6 | 6:00a | 0.2 |
| Mon | 9 | 6:59p | 1.5 | 6:52a | 0.2 |
| Tue | 10 | 7:55p | 1.4 | 7:29a | 0.2 |
| Wed | 11 | 9:20p | 1.3 | 7:55a | 0.3 |
| Thu | 12 | 11:17p | 1.2 | 8:08a | 0.4 |
| Fri | 13 | – | – | 8:07a | 0.5 |
| | | 3:09p | 1.0 | 7:12p | 0.9 |
| Sat | 14 | 12:56a | 1.1 | 7:58a | 0.7 |
| | | 2:19p | 1.0 | 8:25p | 0.7 |
| Sun | 15 | 2:48a | 1.0 | 7:49a | 0.8 |
| | | 1:50p | 1.2 | 9:18p | 0.5 |
| Mon | 16 | 5:03a | 1.0 | 7:38a | 0.9 |
| | | 1:44p | 1.3 | 10:10p | 0.3 |
| Tue | 17 | 1:57p | 1.5 | 11:10p | 0.2 |
| Wed | 18 | 2:26p | 1.7 | – | – |
| Thu | 19 | 3:05p | 1.8 | 12:39a | 0.1 |
| Fri | 20 | 3:51p | 1.9 | 2:32a | 0.0 |
| Sat | 21 | 4:41p | 1.9 | 3:55a | 0.0 |
| Sun | 22 | 5:32p | 1.9 | 5:05a | 0.0 |
| Mon | 23 | 6:21p | 1.7 | 6:09a | 0.0 |
| Tue | 24 | 7:11p | 1.5 | 7:02a | 0.1 |
| Wed | 25 | 8:08p | 1.3 | 7:39a | 0.3 |
| Thu | 26 | – | – | 7:46a | 0.5 |
| | | 2:32p | 1.0 | 5:13p | 1.0 |
| Fri | 27 | 12:24a | 1.1 | 6:57a | 0.7 |
| | | 1:52p | 1.1 | 7:48p | 0.8 |
| Sat | 28 | 2:46a | 1.0 | 6:25a | 0.9 |
| | | 1:11p | 1.2 | 9:00p | 0.6 |
| Sun | 29 | 12:47p | 1.4 | 9:48p | 0.4 |
| Mon | 30 | 12:59p | 1.6 | 10:33p | 0.3 |

# 2018 PREDICTED TIDES, MOUTH OF THE MOBILE RIVER

## MAY

| DATE | | HIGH TIDE | | LOW TIDE | |
|---|---|---|---|---|---|
| | | Time | Height | Time | Height |
| Tue | 1 | 1:26p | 1.7 | 11:22p | 0.2 |
| Wed | 2 | 1:59p | 1.8 | – | – |
| Thu | 3 | 2:38p | 1.8 | 12:24a | 0.2 |
| Fri | 4 | 3:19p | 1.8 | 1:42a | 0.2 |
| Sat | 5 | 4:03p | 1.8 | 2:50a | 0.2 |
| Sun | 6 | 4:46p | 1.7 | 3:45a | 0.2 |
| Mon | 7 | 5:26p | 1.6 | 4:30a | 0.3 |
| Tue | 8 | 6:04p | 1.5 | 5:05a | 0.3 |
| Wed | 9 | 6:40p | 1.3 | 5:27a | 0.4 |
| Thu | 10 | 7:07p | 1.1 | 5:33a | 0.6 |
| Fri | 11 | – | – | 5:25a | 0.7 |
| | | 1:17p | 1.1 | 8:02p | 0.9 |
| Sat | 12 | 12:26a | 1.0 | 5:13a | 0.8 |
| | | 12:35p | 1.2 | 8:34p | 0.7 |
| Sun | 13 | 12:15p | 1.4 | 9:14p | 0.4 |
| Mon | 14 | 12:18p | 1.6 | 9:59p | 0.2 |
| Tue | 15 | 12:39p | 1.8 | 10:53p | 0.1 |
| Wed | 16 | 1:12a | 1.9 | – | – |
| Thu | 17 | 1:54p | 2.0 | 12:01a | 0.0 |
| Fri | 18 | 2:41p | 2.1 | 1:19a | -0.1 |
| Sat | 19 | 3:32p | 2.0 | 2:30a | -0.1 |
| Sun | 20 | 4:21p | 1.9 | 3:30a | -0.1 |
| Mon | 21 | 5:06p | 1.8 | 4:21a | 0.1 |
| Tue | 22 | 5:43p | 1.5 | 5:00a | 0.2 |
| Wed | 23 | 6:07p | 1.3 | 5:08a | 0.5 |
| Thu | 24 | 12:51p | 1.1 | 4:26a | 0.7 |
| Fri | 25 | – | – | 3:52a | 0.8 |
| | | 12:13p | 1.2 | 9:43p | 0.7 |
| Sat | 26 | 11:34a | 1.4 | 9:43p | 0.5 |
| Sun | 27 | 11:27a | 1.6 | 10:01p | 0.3 |
| Mon | 28 | 11:48a | 1.7 | 10:30p | 0.2 |
| Tue | 29 | 12:19p | 1.8 | 11:06p | 0.1 |
| Wed | 30 | 12:54p | 1.9 | 11:48p | 0.1 |
| Thu | 31 | 1:33p | 1.9 | – | – |

## JUNE

| DATE | | HIGH TIDE | | LOW TIDE | |
|---|---|---|---|---|---|
| | | Time | Height | Time | Height |
| Fri | 1 | 2:14p | 1.9 | 12:35a | 0.1 |
| Sat | 2 | 2:56p | 1.8 | 1:22a | 0.1 |
| Sun | 3 | 3:38p | 1.8 | 2:02a | 0.1 |
| Mon | 4 | 4:16p | 1.7 | 2:32a | 0.2 |
| Tue | 5 | 4:51p | 1.5 | 2:50a | 0.3 |
| Wed | 6 | 5:18p | 1.4 | 2:58a | 0.4 |
| Thu | 7 | 5:14p | 1.2 | 2:59a | 0.5 |
| Fri | 8 | 11:37a | 1.1 | 2:56a | 0.7 |
| Sat | 9 | – | – | 2:32a | 0.8 |
| | | 10:50a | 1.3 | 8:44p | 0.6 |
| Sun | 10 | 10:39a | 1.4 | 9:03p | 0.3 |
| Mon | 11 | 10:56a | 1.6 | 9:41p | 0.1 |
| Tue | 12 | 11:28a | 1.8 | 10:28p | -0.1 |
| Wed | 13 | 12:09p | 2.0 | 11:22p | -0.2 |
| Thu | 14 | 12:55p | 2.1 | – | – |
| Fri | 15 | 1:44p | 2.1 | 12:22a | -0.2 |
| Sat | 16 | 2:35p | 2.1 | 1:20a | -0.2 |
| Sun | 17 | 3:25p | 2.0 | 2:11a | -0.1 |
| Mon | 18 | 4:10p | 1.8 | 2:52a | 0.0 |
| Tue | 19 | 4:44p | 1.5 | 3:12a | 0.3 |
| Wed | 20 | 5:01p | 1.2 | 2:49a | 0.5 |
| Thu | 21 | – | – | 2:11a | 0.7 |
| | | 10:59a | 1.1 | 10:50p | 0.8 |
| Fri | 22 | 9:51a | 1.3 | 9:23p | 0.6 |
| Sat | 23 | 9:22a | 1.4 | 9:25p | 0.4 |
| Sun | 24 | 9:49a | 1.6 | 9:44p | 0.2 |
| Mon | 25 | 10:28a | 1.7 | 10:10p | 0.1 |
| Tue | 26 | 11:11a | 1.8 | 10:41p | 0.1 |
| Wed | 27 | 11:54a | 1.9 | 11:15p | 0.0 |
| Thu | 28 | 12:38p | 1.9 | 11:49p | 0.1 |
| Fri | 29 | 1:20p | 1.9 | – | – |
| Sat | 30 | 2:03p | 1.8 | 12:21a | 0.1 |

## JULY

| DATE | | HIGH TIDE | | LOW TIDE | |
|---|---|---|---|---|---|
| | | Time | Height | Time | Height |
| Sun | 1 | 2:44p | 1.8 | 12:46a | 0.1 |
| Mon | 2 | 3:24p | 1.7 | 1:01a | 0.2 |
| Tue | 3 | 4:03p | 1.6 | 1:07a | 0.3 |
| Wed | 4 | 4:37p | 1.4 | 1:08a | 0.4 |
| Thu | 5 | 5:02p | 1.2 | 1:08a | 0.5 |
| Fri | 6 | 8:37a | 1.2 | 1:04a | 0.7 |
| Sat | 7 | – | – | 12:18a | 0.8 |
| | | 8:23a | 1.3 | 8:20p | 0.6 |
| Sun | 8 | 8:37a | 1.5 | 8:29p | 0.4 |
| Mon | 9 | 9:13a | 1.7 | 9:05p | 0.2 |
| Tue | 10 | 10:04a | 1.9 | 9:48p | 0.0 |
| Wed | 11 | 11:01a | 2.0 | 10:36p | -0.2 |
| Thu | 12 | 11:58a | 2.1 | 11:26p | -0.2 |
| Fri | 13 | 12:53p | 2.1 | – | – |
| Sat | 14 | 1:48p | 2.1 | 12:16a | -0.2 |
| Sun | 15 | 2:41p | 1.9 | 1:02a | -0.1 |
| Mon | 16 | 3:31p | 1.7 | 1:36a | 0.1 |
| Tue | 17 | 4:14p | 1.5 | 1:43a | 0.4 |
| Wed | 18 | 8:39a | 1.0 | 1:03a | 0.6 |
| | | 4:40p | 1.2 | 10:51a | 1.0 |
| Thu | 19 | – | – | 12:27a | 0.8 |
| | | 7:35a | 1.2 | 1:40p | 0.9 |
| | | 4:26p | 1.0 | 10:51p | 0.8 |
| Fri | 20 | 7:04a | 1.4 | 8:24p | 0.7 |
| Sat | 21 | 7:22a | 1.6 | 8:31p | 0.5 |
| Sun | 22 | 7:58a | 1.7 | 8:56p | 0.3 |
| Mon | 23 | 8:47a | 1.8 | 9:26p | 0.2 |
| Tue | 24 | 9:45a | 1.8 | 9:58p | 0.2 |
| Wed | 25 | 10:46a | 1.8 | 10:30p | 0.2 |
| Thu | 26 | 11:41a | 1.8 | 11:00p | 0.2 |
| Fri | 27 | 12:30p | 1.9 | 11:25p | 0.2 |
| Sat | 28 | 1:16p | 1.8 | 11:43p | 0.3 |
| Sun | 29 | 2:00p | 1.8 | 11:49p | 0.4 |
| Mon | 30 | 2:44p | 1.7 | 11:47p | 0.5 |
| Tue | 31 | 3:31p | 1.6 | 11:43p | 0.6 |

## AUGUST

| DATE | | HIGH TIDE | | LOW TIDE | |
|---|---|---|---|---|---|
| | | Time | Height | Time | Height |
| Wed | 1 | 7:23a | 1.1 | 9:41a | 1.0 |
| | | 4:21p | 1.4 | 11:42p | 0.7 |
| Thu | 2 | 6:44a | 1.2 | 11:05a | 1.0 |
| | | 5:15p | 1.2 | 11:38p | 0.8 |
| Fri | 3 | 6:28a | 1.3 | 12:49p | 0.9 |
| | | 6:23p | 1.0 | 11:03p | 0.9 |
| Sat | 4 | 6:31a | 1.5 | 5:02p | 0.8 |
| Sun | 5 | 6:52a | 1.6 | 7:11p | 0.5 |
| Mon | 6 | 7:28a | 1.8 | 8:05p | 0.3 |
| Tue | 7 | 8:21a | 1.9 | 8:53p | 0.1 |
| Wed | 8 | 9:32a | 2.0 | 9:41p | 0.0 |
| Thu | 9 | 10:50a | 2.1 | 10:27p | 0.0 |
| Fri | 10 | 12:01p | 2.1 | 11:11p | 0.0 |
| Sat | 11 | 1:04p | 2.0 | 11:52p | 0.2 |
| Sun | 12 | 2:07p | 1.9 | – | – |
| Mon | 13 | 3:14p | 1.7 | 12:21a | 0.4 |
| Tue | 14 | – | – | 12:11a | 0.7 |
| | | 6:51a | 1.0 | 9:09a | 1.0 |
| | | 4:30p | 1.5 | 11:30p | 0.9 |
| Wed | 15 | 6:07a | 1.1 | 10:35a | 0.9 |
| | | 5:52p | 1.3 | 11:03p | 1.0 |
| Thu | 16 | 5:16a | 1.3 | 12:03p | 0.9 |
| Fri | 17 | 5:16a | 1.5 | 2:28p | 0.8 |
| Sat | 18 | 5:43a | 1.7 | 6:29p | 0.6 |
| Sun | 19 | 6:20a | 1.8 | 7:31p | 0.5 |
| Mon | 20 | 7:04a | 1.8 | 8:17p | 0.4 |
| Tue | 21 | 7:58a | 1.8 | 8:56p | 0.4 |
| Wed | 22 | 9:05a | 1.8 | 9:30p | 0.4 |
| Thu | 23 | 10:23a | 1.8 | 9:59p | 0.4 |
| Fri | 24 | 11:32a | 1.8 | 10:23p | 0.4 |
| Sat | 25 | 12:28p | 1.8 | 10:36p | 0.5 |
| Sun | 26 | 1:20p | 1.7 | 10:38p | 0.6 |
| Mon | 27 | 2:14p | 1.6 | 10:31p | 0.8 |
| Tue | 28 | 5:43a | 1.1 | 8:44a | 1.1 |
| | | 3:17p | 1.5 | 10:25p | 0.9 |
| Wed | 29 | 4:59a | 1.2 | 9:42a | 1.0 |
| | | 4:33p | 1.4 | 10:23p | 1.0 |
| Thu | 30 | 4:35a | 1.3 | 10:37a | 0.9 |
| | | 5:57p | 1.3 | 10:19p | 1.1 |
| Fri | 31 | 4:32a | 1.5 | 11:39a | 0.8 |

# 2018 PREDICTED TIDES, MOUTH OF THE MOBILE RIVER

## SEPTEMBER

| DATE | | HIGH TIDE | | LOW TIDE | |
|---|---|---|---|---|---|
| | | Time | Height | Time | Height |
| Sat | 1 | 4:47a | 1.7 | 1:12p | 0.7 |
| Sun | 2 | 5:15a | 1.8 | 4:19p | 0.6 |
| Mon | 3 | 5:54a | 1.9 | 6:21p | 0.5 |
| Tue | 4 | 6:44a | 2.0 | 7:34p | 0.3 |
| Wed | 5 | 7:45a | 2.0 | 8:30p | 0.2 |
| Thu | 6 | 9:06a | 2.0 | 9:18p | 0.2 |
| Fri | 7 | 10:48a | 2.0 | 10:00p | 0.3 |
| Sat | 8 | 12:18p | 1.9 | 10:36p | 0.5 |
| Sun | 9 | 1:40p | 1.7 | 10:53p | 0.7 |
| Mon | 10 | 5:13a | 1.1 | 7:30a | 1.0 |
| | | 3:17p | 1.6 | 10:25p | 1.0 |
| Tue | 11 | 4:26a | 1.1 | 8:59a | 0.9 |
| | | 5:00p | 1.4 | 9:54p | 1.1 |
| Wed | 12 | 2:59a | 1.3 | 10:06a | 0.8 |
| | | 6:37p | 1.3 | 9:32p | 1.2 |
| Thu | 13 | 2:51a | 1.6 | 11:10a | 0.7 |
| Fri | 14 | 3:22a | 1.7 | 12:25p | 0.6 |
| Sat | 15 | 4:01a | 1.8 | 2:27p | 0.6 |
| Sun | 16 | 4:43a | 1.9 | 4:37p | 0.6 |
| Mon | 17 | 5:28a | 1.9 | 6:10p | 0.6 |
| Tue | 18 | 6:16a | 1.9 | 7:16p | 0.5 |
| Wed | 19 | 7:10a | 1.8 | 8:03p | 0.5 |
| Thu | 20 | 8:17a | 1.7 | 8:38p | 0.6 |
| Fri | 21 | 9:48a | 1.6 | 9:01p | 0.6 |
| Sat | 22 | 11:23a | 1.6 | 9:13p | 0.7 |
| Sun | 23 | 12:37p | 1.5 | 9:09p | 0.9 |
| Mon | 24 | 3:44a | 1.2 | 7:44a | 1.1 |
| | | 1:52p | 1.4 | 8:58p | 1.0 |
| Tue | 25 | 2:49a | 1.2 | 8:41a | 0.9 |
| | | 3:27p | 1.3 | 8:50p | 1.1 |
| Wed | 26 | 2:18a | 1.4 | 9:27a | 0.8 |
| | | 5:13p | 1.3 | 8:46p | 1.2 |
| Thu | 27 | 2:15a | 1.5 | 10:12a | 0.6 |
| Fri | 28 | 2:31a | 1.7 | 11:03a | 0.5 |
| Sat | 29 | 2:59a | 1.8 | 12:10p | 0.5 |
| Sun | 30 | 3:36a | 1.9 | 2:11p | 0.4 |

## OCTOBER

| DATE | | HIGH TIDE | | LOW TIDE | |
|---|---|---|---|---|---|
| | | Time | Height | Time | Height |
| Mon | 1 | 4:22a | 2.0 | 4:10p | 0.4 |
| Tue | 2 | 5:14a | 2.0 | 5:39p | 0.3 |
| Wed | 3 | 6:09a | 2.0 | 6:51p | 0.3 |
| Thu | 4 | 7:11a | 1.9 | 7:48p | 0.3 |
| Fri | 5 | 8:30a | 1.7 | 8:33p | 0.5 |
| Sat | 6 | 11:02a | 1.5 | 9:01p | 0.7 |
| Sun | 7 | 3:19a | 1.1 | 5:32a | 1.1 |
| | | 1:17p | 1.4 | 8:50p | 0.9 |
| Mon | 8 | 2:32a | 1.1 | 7:31a | 0.9 |
| | | 3:21p | 1.3 | 8:07p | 1.1 |
| Tue | 9 | 1:25a | 1.3 | 8:45a | 0.7 |
| | | 5:34p | 1.3 | 7:37p | 1.2 |
| Wed | 10 | 12:55a | 1.5 | 9:43a | 0.5 |
| Thu | 11 | 1:15a | 1.7 | 10:36a | 0.4 |
| Fri | 12 | 1:47a | 1.8 | 11:32a | 0.3 |
| Sat | 13 | 2:25a | 1.9 | 12:42p | 0.3 |
| Sun | 14 | 3:07a | 1.9 | 2:16p | 0.3 |
| Mon | 15 | 3:52a | 1.9 | 3:35p | 0.4 |
| Tue | 16 | 4:40a | 1.8 | 4:40p | 0.4 |
| Wed | 17 | 5:27a | 1.7 | 5:36p | 0.4 |
| Thu | 18 | 6:15a | 1.6 | 6:18p | 0.5 |
| Fri | 19 | 7:07a | 1.4 | 6:43p | 0.6 |
| Sat | 20 | 8:28a | 1.2 | 6:44p | 0.7 |
| Sun | 21 | 2:11a | 1.2 | 6:48a | 1.0 |
| | | 11:28a | 1.1 | 6:27p | 0.8 |
| Mon | 22 | 1:22a | 1.2 | 7:53a | 0.8 |
| | | 1:39p | 1.0 | 6:05p | 0.9 |
| Tue | 23 | 12:46a | 1.3 | 8:36a | 0.6 |
| Wed | 24 | 12:34a | 1.4 | 9:15a | 0.4 |
| Thu | 25 | 12:42a | 1.6 | 9:56a | 0.3 |
| Fri | 26 | 1:03a | 1.7 | 10:44a | 0.1 |
| Sat | 27 | 1:33a | 1.8 | 11:45a | 0.1 |
| Sun | 28 | 2:12a | 1.9 | 1:14p | 0.0 |
| Mon | 29 | 2:27a | 1.9 | 2:42p | 0.0 |
| Tue | 30 | 3:49a | 1.9 | 3:51p | 0.0 |
| Wed | 31 | 4:43a | 1.8 | 4:50p | 0.1 |

## NOVEMBER

| DATE | | HIGH TIDE | | LOW TIDE | |
|---|---|---|---|---|---|
| | | Time | Height | Time | Height |
| Thu | 1 | 5:35a | 1.6 | 5:39p | 0.2 |
| Fri | 2 | 6:25a | 1.4 | 6:08p | 0.4 |
| Sat | 3 | 7:13a | 1.1 | 5:46p | 0.6 |
| Sun | 4* | 1:14a | 1.0 | 5:01a | 0.8 |
| | | 11:54a | 0.9 | 4:09p | 0.8 |
| | | 11:37p | 1.1 | – | – |
| Mon | 5 | 10:50p | 1.3 | 7:13a | 0.6 |
| Tue | 6 | 10:44p | 1.5 | 8:00a | 0.3 |
| Wed | 7 | 11:06p | 1.6 | 8:41a | 0.1 |
| Thu | 8 | 11:37p | 1.7 | 9:22a | 0.0 |
| Fri | 9 | – | – | 10:07a | -0.1 |
| Sat | 10 | 12:12a | 1.8 | 10:59a | -0.1 |
| Sun | 11 | 12:50a | 1.8 | 11:59a | -0.1 |
| Mon | 12 | 1:31a | 1.7 | 12:57p | -0.1 |
| Tue | 13 | 2:13a | 1.6 | 1:44p | 0.0 |
| Wed | 14 | 2:55a | 1.5 | 2:19p | 0.1 |
| Thu | 15 | 3:34a | 1.4 | 2:41p | 0.2 |
| Fri | 16 | 4:01a | 1.2 | 2:48p | 0.3 |
| Sat | 17 | 12:39a | 1.0 | 2:42p | 0.4 |
| | | 11:41p | 1.0 | – | – |
| Sun | 18 | 10:52p | 1.0 | 2:25p | 0.5 |
| Mon | 19 | 10:22p | 1.1 | 7:42a | 0.5 |
| Tue | 20 | 10:17p | 1.3 | 7:41a | 0.3 |
| Wed | 21 | 10:31p | 1.4 | 8:09a | 0.0 |
| Thu | 22 | 10:55p | 1.6 | 8:46a | -0.2 |
| Fri | 23 | 11:28p | 1.7 | 9:32a | -0.3 |
| Sat | 24 | – | – | 10:28a | -0.4 |
| Sun | 25 | 12:07a | 1.8 | 11:33a | -0.5 |
| Mon | 26 | 12:51a | 1.8 | 12:38p | -0.5 |
| Tue | 27 | 1:39a | 1.7 | 1:33p | -0.5 |
| Wed | 28 | 2:28a | 1.6 | 2:16p | -0.3 |
| Thu | 29 | 3:15a | 1.4 | 2:41p | -0.1 |
| Fri | 30 | 3:52a | 1.1 | 2:35p | 0.1 |

*Times are shown in Central Standard Time beginning 2:00 a.m. Sunday, November 4.

## DECEMBER

| DATE | | HIGH TIDE | | LOW TIDE | |
|---|---|---|---|---|---|
| | | Time | Height | Time | Height |
| Sat | 1 | 4:01a | 0.8 | 2:09p | 0.3 |
| | | 10:43p | 0.8 | – | – |
| Sun | 2 | 10:04p | 1.0 | 9:01a | 0.4 |
| Mon | 3 | 9:29p | 1.2 | 8:21a | 0.1 |
| Tue | 4 | 9:37p | 1.3 | 8:27a | -0.1 |
| Wed | 5 | 10:04p | 1.5 | 8:49a | -0.3 |
| Thu | 6 | 10:37p | 1.5 | 9:18a | -0.4 |
| Fri | 7 | 11:14p | 1.6 | 9:53a | -0.5 |
| Sat | 8 | 11:51p | 1.5 | 10:31a | -0.5 |
| Sun | 9 | – | – | 11:11a | -0.5 |
| Mon | 10 | 12:30a | 1.5 | 11:50a | -0.5 |
| Tue | 11 | 1:09a | 1.4 | 12:21p | -0.4 |
| Wed | 12 | 1:46a | 1.3 | 12:43p | -0.3 |
| Thu | 13 | 2:19a | 1.1 | 12:53p | -0.2 |
| Fri | 14 | 2:39a | 1.0 | 12:53p | -0.1 |
| Sat | 15 | 12:19a | 0.8 | 12:46p | 0.0 |
| | | 10:21p | 0.7 | – | – |
| Sun | 16 | 9:15p | 0.8 | 12:28p | 0.1 |
| Mon | 17 | 8:52p | 0.9 | 9:12a | 0.2 |
| Tue | 18 | 8:57p | 1.1 | 7:40a | 0.0 |
| Wed | 19 | 9:19p | 1.3 | 7:52a | -0.3 |
| Thu | 20 | 9:51p | 1.4 | 8:24a | -0.5 |
| Fri | 21 | 10:30p | 1.5 | 9:06a | -0.7 |
| Sat | 22 | 11:14p | 1.6 | 9:55a | -0.8 |
| Sun | 23 | 11:59p | 1.6 | 10:48a | -0.9 |
| Mon | 24 | – | – | 11:40a | -0.9 |
| Tue | 25 | 12:46a | 1.5 | 12:27p | -0.8 |
| Wed | 26 | 1:32a | 1.4 | 1:02p | -0.6 |
| Thu | 27 | 2:15a | 1.2 | 1:14p | -0.4 |
| Fri | 28 | 2:47a | 0.9 | 12:51p | -0.1 |
| Sat | 29 | 2:42a | 0.6 | 12:17p | 0.0 |
| | | 8:52p | 0.6 | – | – |
| Sun | 30 | 8:05p | 0.8 | 8:59a | 0.1 |
| Mon | 31 | 7:53p | 1.0 | 7:52a | -0.1 |


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# HURRICANE NATE VISITS THE GULF COAST



Photo by **Ben Raines/AL.com**

*On the evening of October 7, 2017 and the morning of October 8, the storm surge and wave action from Hurricane Nate caused considerable damage to the popular pier at Gulf State Park.*




Photo by **Brian Kelly/AL.com**

*Hurricane Nate produced a storm surge of 5-7 feet on the Alabama coast. In this photo, a driver cautiously proceeds into a flooded Windmill Ridge Road in Gulf Shores on the morning of October 8.*