



# 2023 Mobile Weather and Marine Almanac



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# 2023 Mobile Weather and Marine Almanac<sup>®</sup>



**Dr. Bill Williams**

**33rd Edition**



**Corey Bunn**

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*FRONT COVER PHOTO:* Cirrus clouds produce a spectacular sunset over Mobile Bay as seen from Stedman's Landing in Montrose. (Photo by **Dr. Bill Williams**)

*BACK COVER PHOTO:* **Dustin Harris** and his daughter **Ava** view a Mobile Bay sunset from Daphne's May Day Park. (Photo by **Kristin Harris**)

*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 on pages 3-14, only the latest record is shown.

*Typography, layout and printing:* **Gwin's Commercial Printing**

The authors wish to thank **Jeffrey Medlin** for his contribution on the 2022 hurricane season and **Aimee Inscore Barron** for her assistance in proof reading the manuscript. Many thanks to the Mobile office of the National Weather Service for providing damage photos taken by their tornado survey team.

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

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# ASTRONOMICAL EVENTS FOR 2023

## BEGINNING OF SEASONS

**Spring:** March 20, 4:24 p.m. CDT  
**Summer:** June 21, 9:57 a.m. CDT

**Autumn:** September 23, 1:50 a.m. CDT  
**Winter:** December 21, 9:27 p.m. CST

## ECLIPSES

In the year 2023 there will be two eclipses of the Sun and two of the Moon.

1. Total solar eclipse, April 20, not visible in Mobile.
2. Penumbral lunar eclipse, May 5-6, visible in Mobile.
3. Annular solar eclipse, October 14, visible as a partial eclipse in Mobile.
4. Partial lunar eclipse, October 28-29, 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 5-6
Delta Aquarids .....	Jul. 28-29
Perseids .....	Aug. 12-13
Orionids .....	Oct. 21-22
Geminids .....	Dec. 13-14



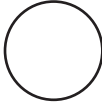
Photo by Aaron Williams

*In 1988 the Coastal Weather Research Center (CWRC) was established on the campus of the University of South Alabama. From the CWRC communication room (above), forecasts and warnings are issued to a wide variety of industrial and governmental clients across the nation.*

# JANUARY, 2023

All times listed are CENTRAL STANDARD TIME

Full Moon



6th 5:08 P.M.

Last Quarter



14th 8:10 P.M.

New Moon



21st 2:53 P.M.

First Quarter



28th 9:19 A.M.

DAY OF Month Week	SUN		MOON		TEMPERATURE EXTREMES				TEMPERATURE NORMALS			GREATEST PRECIP.*	
	Rise	Set	Rise	Set	High	Year	Low	Year	High	Low	Mean	Total	Year
1 Sun	6:50	5:02	1:14p	2:05p	79	2022	22	1984	61	41	51	5.84	2017
2 Mon	6:50	5:03	1:48p	3:05a	80	2006	18	1928	61	41	51	5.26	1936
3 Tue	6:50	5:04	2:26p	4:04a	79	1989	16	1887	61	41	51	2.26	2020
4 Wed	6:51	5:04	3:09p	5:02a	77	2004	17	1919	61	41	51	2.76	2015
5 Thu	6:51	5:05	3:58p	5:58a	77	2005	18	1999	61	41	51	3.38	1998
6 Fri	6:51	5:05	4:50p	6:51a	77	1936	14	1924	61	41	51	2.73	1945
7 Sat	6:51	5:07	5:46p	7:37a	79	1989	14	2014	61	41	51	6.16	1998
8 Sun	6:51	5:08	6:43p	8:19a	77	1939	17	2015	61	41	51	2.48	1964
9 Mon	6:51	5:08	7:39p	8:55a	78	1957	11	1886	61	40	51	1.26	1999
10 Tue	6:51	5:09	8:35p	9:27a	82	1949	10	1962	61	40	51	2.66	1908
11 Wed	6:51	5:10	9:30p	9:56a	84	1949	7	1982	61	40	51	2.13	1931
12 Thu	6:51	5:11	10:25p	10:23a	78	2015	10	1962	61	40	51	3.24	1892
13 Fri	6:51	5:12	11:21p	10:50a	79	2017	14	1962	61	40	51	2.76	1947
14 Sat	6:51	5:13	-	11:18a	79	2017	20	1964	61	40	51	1.58	1977
15 Sun	6:50	5:13	12:19a	11:48a	78	1974	20	1979	61	40	51	1.89	2016
16 Mon	6:50	5:14	1:20a	12:21p	79	1974	20	1927	61	40	51	3.46	1925
17 Tue	6:50	5:15	2:26a	1:02p	79	2017	15	1977	61	40	51	3.15	1926
18 Wed	6:50	5:16	3:35a	1:50p	80	2017	16	1948	61	40	51	3.88	1943
19 Thu	6:50	5:17	4:46a	2:49p	78	1950	12	1977	61	40	51	3.18	1963
20 Fri	6:49	5:18	5:54a	3:57p	78	1974	9	1985	61	41	51	5.71	2010
21 Sat	6:49	5:19	6:55a	5:11p	78	2012	3	1985	62	41	51	2.67	1877
22 Sun	6:49	5:20	7:47a	6:27p	81	1952	16	1985	62	41	51	3.70	1965
23 Mon	6:48	5:20	8:31a	7:40p	79	2002	18	1963	62	41	51	4.64	1965
24 Tue	6:48	5:21	9:09a	8:49p	79	1971	8	1963	62	41	51	4.91	1978
25 Wed	6:48	5:22	9:42a	9:54p	77	1962	15	1963	62	41	51	2.45	1961
26 Thu	6:47	5:23	10:13a	10:57p	78	1970	15	1940	62	41	52	2.44	1871
27 Fri	6:47	5:24	10:43a	11:58p	79	1950	14	1940	62	41	52	2.52	1994
28 Sat	6:46	5:25	11:15a	-	80	1957	18	1986	62	41	52	1.44	1903
29 Sun	6:46	5:26	11:48a	12:58a	79	1957	19	1966	63	41	52	1.95	1960
30 Mon	6:45	5:27	12:25p	1:58a	79	1957	13	1966	63	42	52	2.87	1991
31 Tue	6:45	5:28	1:07p	2:57a	80	1957	20	1966	63	42	52	3.83	1908

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

\* Includes melted snow, sleet and hail

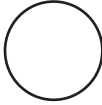
## JANUARY

Normal Precipitation 5.66" Wettest 16.92" 1998  
 Normal Temperature 51.1° Driest .55" 2003  
 Greatest Snowfall 5.0" Jan. 23-24, 1881

# FEBRUARY, 2023

All times listed are CENTRAL STANDARD TIME

Full Moon



5th 12:28 P.M.

Last Quarter



13th 10:01 A.M.

New Moon



20th 1:06 A.M.

First Quarter



27th 2:06 A.M.

DAY OF Month Week	SUN		MOON		TEMPERATURE EXTREMES				TEMPERATURE NORMALS			GREATEST PRECIP.*	
	Rise	Set	Rise	Set	High	Year	Low	Year	High	Low	Mean	Total	Year
1 Wed	6:44	5:28	1:54p	3:54a	80	1989	17	1951	63	42	52	4.64	1983
2 Thu	6:43	5:29	2:45p	4:47a	80	1975	14	1951	63	42	53	3.61	1982
3 Fri	6:43	5:30	3:40p	5:35a	82	1989	11	1951	63	42	53	1.62	1960
4 Sat	6:42	5:31	4:37p	6:18a	80	1957	14	1996	63	42	53	2.75	1957
5 Sun	6:41	5:32	5:33p	6:56a	80	1921	11	1996	64	43	53	2.42	1896
6 Mon	6:41	5:33	6:30p	7:29a	78	1994	22	1984	64	43	53	3.48	1872
7 Tue	6:40	5:34	7:25p	7:59a	79	2019	16	1895	64	43	53	4.70	1974
8 Wed	6:39	5:35	8:20p	8:27a	80	1969	12	1895	64	43	54	3.14	1896
9 Thu	6:38	5:35	9:15p	8:53a	80	1994	17	1933	64	43	54	1.87	1908
10 Fri	6:37	5:36	10:12p	9:20a	80	1957	18	1979	65	44	54	5.37	1981
11 Sat	6:37	5:37	11:11p	9:49a	80	1887	24	2011	65	44	54	4.00	1905
12 Sun	6:36	5:38	-	10:20a	81	2017	6	1899	65	44	54	2.37	1920
13 Mon	6:35	5:39	12:13a	10:56a	84	1962	-1	1899	65	44	55	3.97	1927
14 Tue	6:34	5:39	1:18a	11:39a	80	1989	15	1905	65	44	55	2.54	1952
15 Wed	6:33	5:41	2:26a	12:31p	82	1989	23	2021	66	45	55	3.04	1942
16 Thu	6:32	5:41	3:34a	1:33p	82	2018	19	2021	66	45	55	1.65	1884
17 Fri	6:31	5:42	4:36a	2:43p	80	2018	20	1996	66	45	56	2.94	1992
18 Sat	6:30	5:43	5:32a	3:57p	80	2018	19	1900	66	45	56	4.06	1926
19 Sun	6:29	5:43	6:20a	5:12p	83	2017	25	2015	67	45	56	2.57	1875
20 Mon	6:28	5:44	7:00a	6:24p	79	2018	26	2015	67	46	56	2.01	1971
21 Tue	6:27	5:45	7:36a	7:33p	80	2019	28	1978	67	46	56	4.22	1887
22 Wed	6:26	5:46	8:09a	8:39p	81	2022	22	1978	67	46	57	1.70	2019
23 Thu	6:25	5:47	8:40a	9:43p	82	2022	26	1989	67	46	57	2.74	1888
24 Fri	6:24	5:47	9:12a	10:46p	81	2018	19	1989	68	46	57	2.05	1961
25 Sat	6:23	5:48	9:46a	11:48p	80	2011	26	2010	68	47	57	4.40	2004
26 Sun	6:22	5:49	10:22a	-	81	1972	25	1974	68	47	57	2.32	1929
27 Mon	6:21	5:50	11:03a	12:49a	82	1981	24	2002	68	47	58	2.05	1902
28 Tue	6:20	5:50	11:49a	1:47a	82	2018	20	2002	69	47	58	6.42	1907

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

\* Includes melted snow, sleet and hail

## FEBRUARY

Normal Precipitation 4.47" Wettest 11.89" 1983

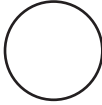
Normal Temperature 55.0° Driest 1.09" 1999

Greatest Snowfall 6.0" Feb. 14-15, 1895

# MARCH, 2023

All times listed are CENTRAL DAYLIGHT TIME\*\*

Full Moon



7th 6:40 A.M.

Last Quarter



14th 9:08 P.M.

New Moon



21st 12:23 P.M.

First Quarter



28th 9:32 P.M.

DAY OF Month Week	SUN		MOON		TEMPERATURE EXTREMES				TEMPERATURE NORMALS			GREATEST PRECIP.*	
	Rise	Set	Rise	Set	High	Year	Low	Year	High	Low	Mean	Total	Year
1 Wed	6:19	5:51	12:39p	2:43a	82	2018	25	1920	69	47	58	3.23	1877
2 Thu	6:18	5:52	1:33p	3:33a	82	2006	23	1980	69	48	58	2.28	1948
3 Fri	6:17	5:52	2:29p	4:17a	81	1910	23	1980	69	48	58	5.14	1979
4 Sat	6:16	5:53	3:26p	4:56a	83	1910	24	1943	69	48	59	2.84	1915
5 Sun	6:14	5:54	4:23p	5:31a	82	1910	22	2002	70	48	59	6.41	1935
6 Mon	6:13	5:55	5:19p	6:02a	83	2004	26	2015	70	48	59	3.24	1948
7 Tue	6:12	5:55	6:15p	6:30a	82	2022	29	1966	70	48	59	6.80	1998
8 Wed	6:11	5:56	7:10p	6:57a	83	1980	26	1996	70	49	59	1.75	1919
9 Thu	6:10	5:57	8:07p	7:24a	84	1951	22	1996	71	49	60	3.49	1880
10 Fri	6:09	5:57	9:05p	7:52a	83	2019	24	1932	71	49	60	3.60	1896
11 Sat	6:07	5:58	10:07p	8:22a	84	1997	28	1998	71	49	60	4.25	2016
12 Sun	7:06	6:59	-	9:56a	85	1989	27	1998	71	49	60	2.85	2001
13 Mon	7:05	6:59	12:10a	10:36a	85	1980	28	2022	71	50	61	4.42	1947
14 Tue	7:04	7:00	1:16a	11:24a	85	1985	21	1993	72	50	61	10.71	1929
15 Wed	7:03	7:01	2:22a	12:20p	89	1967	27	1988	72	50	61	4.24	1990
16 Thu	7:01	7:01	3:25a	1:25p	85	1955	30	1988	72	50	61	7.15	1990
17 Fri	7:00	7:02	4:21a	2:36p	87	1963	34	1988	72	50	61	5.19	1894
18 Sat	6:59	7:03	5:11a	3:48p	85	2015	32	1892	72	50	61	5.98	1951
19 Sun	6:58	7:03	5:53a	5:00p	86	2011	27	1892	72	51	62	7.20	1905
20 Mon	6:57	7:04	6:30a	6:09p	84	2017	30	1923	73	51	62	2.78	1985
21 Tue	6:55	7:04	7:03a	7:16p	86	1962	31	1996	73	51	62	4.20	1879
22 Wed	6:54	7:05	7:35a	8:22p	88	2017	27	1986	73	51	62	4.70	1944
23 Thu	6:53	7:06	8:07a	9:27p	89	1929	29	1885	73	51	62	4.27	1908
24 Fri	6:52	7:06	8:41a	10:31p	86	1995	29	1968	73	52	62	3.59	1872
25 Sat	6:50	7:07	9:17a	11:34p	86	2020	31	1983	74	52	63	4.38	1872
26 Sun	6:49	7:08	9:57a	-	86	2020	30	1894	74	52	63	4.28	1946
27 Mon	6:48	7:08	10:41a	12:36a	91	1910	26	1955	74	52	63	4.10	1946
28 Tue	6:47	7:09	11:31a	1:34a	84	2020	32	1937	74	52	63	5.54	1922
29 Wed	6:45	7:10	12:24p	2:27a	87	2020	33	1955	74	52	63	3.02	2000
30 Thu	6:44	7:10	1:20p	3:14a	90	1946	35	1894	75	53	64	3.93	1886
31 Fri	6:43	7:11	2:17p	3:55a	86	1978	31	2003	75	53	64	4.50	1899

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

\*\*DAYLIGHT SAVING TIME begins on March 12. \* Includes melted snow, sleet and hail  
Times listed through Nov. 4 are CENTRAL DAYLIGHT.

## MARCH

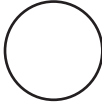
Normal Precipitation 5.44" Wettest 20.23" 1929  
Normal Temperature 60.9° Driest .24" 2006  
Greatest Snowfall 2.7" March 12-13, 1993

**ASTRONOMICAL AND METEOROLOGICAL CALENDAR FOR MOBILE AND VICINITY**

# APRIL, 2023

All times listed are CENTRAL DAYLIGHT TIME

**Full Moon**



5th 11:34 P.M.

**Last Quarter**



13th 4:11 A.M.

**New Moon**



19th 11:12 P.M.

**First Quarter**



27th 4:20 P.M.

DAY OF Month Week	SUN		MOON		TEMPERATURE EXTREMES				TEMPERATURE NORMALS			GREATEST PRECIP.*	
	Rise	Set	Rise	Set	High	Year	Low	Year	High	Low	Mean	Total	Year
1 Sat	6:42	7:11	3:14p	4:31a	86	2017	34	1987	75	53	64	6.27	2005
2 Sun	6:41	7:12	4:10p	5:03a	86	2012	32	1881	75	53	64	2.54	1988
3 Mon	6:39	7:13	5:06p	5:32a	87	2006	35	1987	75	53	64	2.56	1897
4 Tue	6:38	7:13	6:02p	5:59a	90	1967	33	1987	75	54	64	5.46	1911
5 Wed	6:37	7:14	6:59p	6:26a	86	2017	32	1987	76	54	64	3.80	2008
6 Thu	6:36	7:15	7:58p	6:54a	86	1967	35	1891	76	54	65	3.65	1918
7 Fri	6:34	7:15	8:59p	7:24a	88	1986	36	1950	76	54	65	4.17	1983
8 Sat	6:33	7:16	10:03p	7:57a	90	1967	36	2009	76	54	65	3.23	1909
9 Sun	6:32	7:16	11:09p	8:35a	90	2020	35	2000	76	55	65	3.31	1933
10 Mon	6:31	7:17	-	9:21a	89	1882	38	1938	77	55	65	3.48	2021
11 Tue	6:30	7:18	12:16a	10:15a	90	1963	36	1973	77	55	65	3.20	1961
12 Wed	6:29	7:18	1:19a	11:16a	90	1965	39	1989	77	55	66	7.28	2015
13 Thu	6:27	7:19	2:17a	12:24p	90	1954	33	1940	77	55	66	13.36	1955
14 Fri	6:26	7:20	3:07a	1:34p	89	2001	38	1959	77	56	67	5.76	1933
15 Sat	6:25	7:20	3:50a	2:44p	89	2001	36	2008	78	56	67	3.81	1934
16 Sun	6:24	7:21	4:28a	3:52p	89	1925	37	2014	78	56	67	1.61	1874
17 Mon	6:23	7:22	5:01a	4:58p	89	2006	42	1983	78	56	67	2.12	1912
18 Tue	6:22	7:22	5:33a	6:03p	90	2006	40	1999	78	57	67	3.52	1901
19 Wed	6:21	7:23	6:04a	7:08p	88	1908	37	1983	79	57	67	7.30	1882
20 Thu	6:20	7:24	6:36a	8:12p	88	2006	40	1953	79	57	68	3.15	1912
21 Fri	6:19	7:24	7:11a	9:17p	94	1987	42	2019	79	57	68	4.00	1949
22 Sat	6:18	7:25	7:49a	10:20p	92	1987	42	1993	79	57	68	4.32	1983
23 Sun	6:17	7:26	8:32a	11:21p	90	1883	43	1927	79	58	69	2.74	1888
24 Mon	6:16	7:26	9:20a	-	91	1999	37	2012	80	58	69	2.88	2021
25 Tue	6:15	7:27	10:13a	12:17a	88	1989	39	1910	80	58	69	5.34	1881
26 Wed	6:14	7:27	11:09a	1:08a	89	1989	46	1992	80	58	69	3.81	1964
27 Thu	6:13	7:28	12:06p	1:51a	89	1989	42	1992	80	59	69	3.50	1964
28 Fri	6:12	7:29	1:03p	2:29a	91	1971	42	1992	81	59	70	2.89	1998
29 Sat	6:11	7:29	1:59p	3:03a	91	1970	46	2008	81	59	70	11.23	2014
30 Sun	6:10	7:30	2:55p	3:33a	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 5.71"    Wettest 18.09" 2014  
Normal Temperature 66.9°    Driest .08" 1999

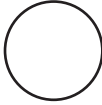


ASTRONOMICAL AND METEOROLOGICAL CALENDAR FOR MOBILE AND VICINITY

# MAY, 2023

All times listed are CENTRAL DAYLIGHT TIME

Full Moon



5th 12:34 P.M.

Last Quarter



12th 9:28 A.M.

New Moon



19th 10:53 A.M.

First Quarter



27th 10:22 A.M.

DAY OF Month Week	SUN		MOON		TEMPERATURE EXTREMES				TEMPERATURE NORMALS			GREATEST PRECIP.*	
	Rise	Set	Rise	Set	High	Year	Low	Year	High	Low	Mean	Total	Year
1 Mon	6:09	7:31	3:51p	4:00a	91	1987	46	2020	81	60	71	3.42	2013
2 Tue	6:08	7:31	4:47p	4:27a	90	1955	47	2015	82	60	71	6.80	2012
3 Wed	6:07	7:32	5:45p	4:54a	90	1952	47	2004	82	60	71	5.97	1978
4 Thu	6:06	7:32	6:46p	5:23a	94	1952	43	2013	82	61	71	1.48	1912
5 Fri	6:05	7:33	7:50p	5:55a	94	1952	46	1954	82	61	72	7.96	1981
6 Sat	6:04	7:34	8:57p	6:32a	94	1952	44	2017	83	61	72	2.82	1873
7 Sun	6:04	7:35	10:06p	7:16a	93	1952	45	1992	83	61	72	4.46	1972
8 Mon	6:03	7:35	11:12p	8:08a	92	1949	44	1992	83	62	72	3.10	1876
9 Tue	6:02	7:36	-	9:09a	91	2018	47	1984	83	62	73	5.44	1995
10 Wed	6:01	7:36	12:13a	10:16a	91	2018	49	1961	84	62	73	3.67	1995
11 Thu	6:01	7:38	1:05a	11:26a	95	1916	50	1906	84	62	73	1.81	2019
12 Fri	6:00	7:38	1:50a	12:35p	96	1916	45	1952	84	63	73	2.83	1987
13 Sat	5:59	7:39	2:29a	1:43p	95	2018	43	1960	84	63	74	3.09	1990
14 Sun	5:59	7:40	3:03a	2:48p	97	2018	49	1960	85	63	74	1.26	1930
15 Mon	5:58	7:40	3:34a	3:52p	96	1883	50	2014	85	64	74	3.52	1905
16 Tue	5:57	7:41	4:04a	4:54p	96	1962	47	2014	85	64	74	3.63	2015
17 Wed	5:57	7:41	4:35a	5:58p	94	1988	46	2011	85	64	75	4.55	1980
18 Thu	5:56	7:42	5:08a	7:01p	96	1962	44	2011	86	64	75	6.30	2003
19 Fri	5:56	7:43	5:44a	8:05p	98	1962	48	2002	86	65	75	4.71	1932
20 Sat	5:55	7:43	6:25a	9:07p	99	1962	50	2002	86	65	75	4.37	2017
21 Sun	5:54	7:44	7:11a	10:06p	95	1962	50	1954	86	65	76	1.46	1911
22 Mon	5:54	7:45	8:02a	10:59p	96	1996	48	1993	86	66	76	3.80	1965
23 Tue	5:53	7:45	8:58a	11:46p	95	1996	47	1883	87	66	76	4.33	1957
24 Wed	5:53	7:46	9:55a	-	97	2005	52	1951	87	66	76	1.88	1976
25 Thu	5:53	7:47	10:52a	12:26a	97	1962	53	1979	87	66	77	3.38	1909
26 Fri	5:52	7:47	11:49a	1:01a	96	2019	48	1979	87	67	77	3.28	1991
27 Sat	5:52	7:48	12:44p	1:32a	100	1953	49	1961	87	67	77	3.89	1976
28 Sun	5:52	7:48	1:39p	2:01a	98	1962	50	1961	87	67	77	3.07	2014
29 Mon	5:51	7:49	2:34p	2:27a	95	2012	56	1984	88	67	78	5.62	1883
30 Tue	5:51	7:49	3:31p	2:54a	97	1911	48	1984	88	68	78	2.41	1900
31 Wed	5:51	7:50	4:30p	3:22a	100	1951	46	1889	88	68	78	6.91	1900

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

\* Includes melted snow, sleet and hail

## MAY

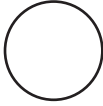
Normal Precipitation 5.39" Wettest 15.08" 1980  
Normal Temperature 74.4° Driest .22" 1914

ASTRONOMICAL AND METEOROLOGICAL CALENDAR FOR MOBILE AND VICINITY

# JUNE, 2023

All times listed are CENTRAL DAYLIGHT TIME

Full Moon



3rd 10:42 P.M.

Last Quarter



10th 2:31 P.M.

New Moon



17th 11:37 P.M.

First Quarter



26th 2:50 A.M.

DAY OF Month Week	SUN		MOON		TEMPERATURE EXTREMES				TEMPERATURE NORMALS			GREATEST PRECIP.*	
	Rise	Set	Rise	Set	High	Year	Low	Year	High	Low	Mean	Total	Year
1 Thu	5:50	7:51	5:32p	3:52a	101	2011	49	1984	88	68	78	2.01	1981
2 Fri	5:50	7:51	6:39p	4:27a	98	2011	54	1984	88	68	78	3.21	1970
3 Sat	5:50	7:52	7:48p	5:08a	100	2011	56	1956	88	69	79	2.00	1989
4 Sun	5:50	7:52	8:57p	5:57a	103	2011	59	1984	88	69	79	2.50	1928
5 Mon	5:50	7:53	10:02p	6:56a	99	1985	58	1946	89	69	79	1.83	1951
6 Tue	5:50	7:53	11:00p	8:03a	99	2011	60	2009	89	69	79	4.64	2003
7 Wed	5:49	7:54	11:48p	9:14a	97	1972	60	1998	89	70	79	5.56	2020
8 Thu	5:49	7:54	-	10:26a	98	1963	58	2000	89	70	79	4.00	1941
9 Fri	5:49	7:54	12:30a	11:35a	99	1963	60	1983	89	70	79	5.79	2012
10 Sat	5:49	7:55	1:05a	12:42p	99	1953	60	1988	89	70	80	2.84	1910
11 Sun	5:49	7:55	1:37a	1:45p	101	1914	56	1913	89	70	80	4.52	2005
12 Mon	5:49	7:56	2:07a	2:48p	100	2007	57	1913	89	71	80	4.15	1900
13 Tue	5:49	7:56	2:37a	3:49p	101	1952	57	1995	89	71	80	2.84	1956
14 Wed	5:49	7:56	3:09a	4:52p	102	1952	55	1995	89	71	80	4.37	1877
15 Thu	5:49	7:57	3:43a	5:54p	101	1952	60	1995	90	71	80	2.60	1940
16 Fri	5:49	7:57	4:22a	6:56p	100	1918	58	1917	90	71	80	4.61	1939
17 Sat	5:50	7:57	5:05a	7:56p	101	1918	61	1933	90	71	81	1.70	1927
18 Sun	5:50	7:58	5:55a	8:51p	101	2022	63	1955	90	71	81	6.30	2003
19 Mon	5:50	7:58	6:48a	9:40p	101	1953	62	2008	90	72	81	4.22	2021
20 Tue	5:50	7:58	7:45a	10:23p	102	1936	64	1999	90	72	81	6.08	1961
21 Wed	5:50	7:58	8:43a	11:00p	100	1882	65	1976	90	72	81	3.98	2021
22 Thu	5:51	7:59	9:40a	11:33p	101	2022	65	1961	90	72	81	4.91	1942
23 Fri	5:51	7:59	10:35a	-	102	2022	64	1902	90	72	81	1.20	1880
24 Sat	5:51	7:59	11:30a	12:01a	101	2022	62	2001	90	72	81	3.59	1929
25 Sun	5:51	7:59	12:24p	12:28a	100	1914	61	1974	90	72	81	3.07	1997
26 Mon	5:52	7:59	1:19p	12:54a	101	1914	64	1979	90	72	81	12.57	1900
27 Tue	5:52	7:59	2:15p	1:21a	100	1988	61	1974	90	72	81	6.15	1888
28 Wed	5:52	7:59	3:15p	1:49a	100	1969	62	1958	90	73	81	4.16	1946
29 Thu	5:53	7:59	4:18p	2:21a	102	1954	64	1961	90	73	81	2.29	2017
30 Fri	5:53	7:59	5:26p	2:58a	101	1954	63	1923	90	73	81	6.05	2003

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

\* Includes melted snow, sleet and hail

## JUNE

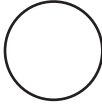
Normal Precipitation 6.55" Wettest 26.67" 1900  
Normal Temperature 80.1° Driest .53" 1902

**ASTRONOMICAL AND METEOROLOGICAL CALENDAR FOR MOBILE AND VICINITY**

# JULY, 2023

All times listed are CENTRAL DAYLIGHT TIME

**Full Moon**



**3rd 6:39 A.M.**

**Last Quarter**



**9th 8:48 P.M.**

**New Moon**



**17th 1:32 P.M.**

**First Quarter**



**25th 5:07 P.M.**

DAY OF Month Week	SUN		MOON		TEMPERATURE EXTREMES				TEMPERATURE NORMALS			GREATEST PRECIP.*	
	Rise	Set	Rise	Set	High	Year	Low	Year	High	Low	Mean	Total	Year
1 Sat	5:53	7:59	6:36p	3:43a	99	1883	63	1985	90	73	82	2.15	1941
2 Sun	5:54	7:59	7:44p	4:38a	101	2009	64	1924	90	73	82	3.26	1951
3 Mon	5:54	7:59	8:46p	5:43a	99	1970	62	1924	90	73	82	2.87	1949
4 Tue	5:55	7:59	9:40p	6:54a	99	1938	65	1924	91	73	82	3.68	1874
5 Wed	5:55	7:59	10:26p	8:09a	99	2019	64	2014	91	73	82	5.82	1916
6 Thu	5:55	7:59	11:04p	9:22a	100	2019	64	1882	91	73	82	6.34	2005
7 Fri	5:56	7:59	11:38p	10:31a	100	2000	64	1972	91	73	82	5.27	1910
8 Sat	5:56	7:59	-	11:37a	101	1881	65	1972	91	73	82	3.07	1925
9 Sun	5:57	7:58	12:09a	12:41p	100	1881	66	1988	91	73	82	3.17	1970
10 Mon	5:57	7:58	12:40a	1:44p	99	1879	65	1983	91	73	82	3.36	1874
11 Tue	5:58	7:58	1:11a	2:46p	103	1930	66	1953	91	73	82	3.58	1872
12 Wed	5:58	7:58	1:44a	3:48p	102	1901	68	2020	91	73	82	3.07	1917
13 Thu	5:59	7:57	2:21a	4:50p	101	1980	65	1904	91	73	82	3.92	1951
14 Fri	6:00	7:57	3:03a	5:50p	103	1980	65	1897	91	73	82	2.68	1945
15 Sat	6:00	7:57	3:50a	6:46p	103	1980	62	1967	91	73	82	3.42	1931
16 Sun	6:01	7:56	4:42a	7:37p	102	2000	62	1967	91	73	82	5.27	1931
17 Mon	6:01	7:56	5:38a	8:21p	101	1883	64	2014	91	73	82	3.57	1982
18 Tue	6:02	7:55	6:35a	9:00p	99	2000	67	1923	91	73	82	4.21	1969
19 Wed	6:02	7:55	7:32a	9:33p	98	2015	65	1923	91	73	82	10.07	1997
20 Thu	6:03	7:55	8:28a	10:03p	101	2000	64	2009	91	73	82	1.49	1879
21 Fri	6:04	7:54	9:23a	10:30p	98	1942	67	1939	91	73	82	4.68	1946
22 Sat	6:04	7:54	10:17a	10:56p	98	1907	67	1956	91	73	82	4.63	1873
23 Sun	6:05	7:53	11:11a	11:22p	100	1976	62	1947	91	73	82	4.02	1937
24 Mon	6:05	7:52	12:06p	11:49p	103	1952	68	1904	91	73	82	2.20	1954
25 Tue	6:06	7:52	1:02p	-	104	1952	67	1904	91	73	82	2.96	1938
26 Wed	6:07	7:51	2:03p	12:18a	98	1983	66	1911	91	73	82	2.07	2008
27 Thu	6:07	7:51	3:07p	12:52a	99	1968	67	1911	91	73	82	2.63	1897
28 Fri	6:08	7:50	4:14p	1:32a	100	1968	67	1994	91	73	82	1.53	1950
29 Sat	6:08	7:49	5:22p	2:21a	100	1877	66	1994	91	73	82	1.78	1872
30 Sun	6:09	7:49	6:27p	3:20a	100	1986	64	2014	91	73	82	2.46	1975
31 Mon	6:10	7:48	7:26p	4:28a	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**

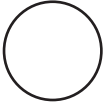
Normal Precipitation 7.69"    Wettest 20.50" 1916  
Normal Temperature 82.0°    Driest 1.72" 1983

ASTRONOMICAL AND METEOROLOGICAL CALENDAR FOR MOBILE AND VICINITY

# AUGUST, 2023

All times listed are CENTRAL DAYLIGHT TIME

Full Moon



1st 1:32 P.M.

Last Quarter



8th 5:28 A.M.

New Moon



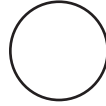
16th 4:38 A.M.

First Quarter



24th 4:57 A.M.

Full Moon



30th 8:35 P.M.

DAY OF Month Week	SUN		MOON		TEMPERATURE EXTREMES				TEMPERATURE NORMALS			GREATEST PRECIP.*	
	Rise	Set	Rise	Set	High	Year	Low	Year	High	Low	Mean	Total	Year
1 Tue	6:10	7:47	8:16p	5:43a	101	2010	66	1936	91	73	82	5.65	1984
2 Wed	6:11	7:46	8:58p	6:58a	101	2010	68	1984	91	73	82	3.25	1984
3 Thu	6:11	7:46	9:35p	8:12a	101	1897	68	1965	91	73	82	6.20	1881
4 Fri	6:12	7:45	10:08p	9:22a	98	2011	68	1998	91	73	82	4.08	1876
5 Sat	6:13	7:44	10:40p	10:29a	101	1947	68	1950	91	73	82	3.56	1881
6 Sun	6:13	7:43	11:11p	11:34a	100	1935	66	1957	91	73	82	3.30	1883
7 Mon	6:14	7:42	11:45p	12:38p	99	1972	63	1884	91	73	82	3.27	1888
8 Tue	6:15	7:41	-	1:41p	98	1972	65	1989	91	73	82	2.25	1988
9 Wed	6:15	7:40	12:21a	2:44p	98	2007	60	1989	91	73	82	2.98	1948
10 Thu	6:16	7:39	1:01a	3:45p	99	2010	64	1990	91	73	82	3.38	2004
11 Fri	6:16	7:39	1:47a	4:42p	101	2007	66	1976	91	73	82	3.78	1970
12 Sat	6:17	7:38	2:38a	5:34p	100	1954	60	1967	91	73	82	3.94	1911
13 Sun	6:18	7:37	3:32a	6:20p	100	1951	63	2004	91	73	82	2.09	1892
14 Mon	6:18	7:36	4:29a	7:01p	99	1999	60	2004	91	73	82	3.90	1879
15 Tue	6:19	7:35	5:26a	7:35p	100	1954	62	2004	91	73	82	5.44	1901
16 Wed	6:19	7:34	6:23a	8:06p	101	1918	64	2004	91	73	82	4.91	2008
17 Thu	6:20	7:33	7:18a	8:34p	99	2000	66	2004	91	73	82	5.12	1969
18 Fri	6:21	7:32	8:12a	9:00p	101	1909	65	2004	91	73	82	3.34	1897
19 Sat	6:21	7:31	9:06a	9:25p	101	2000	64	1976	91	73	82	3.03	1953
20 Sun	6:22	7:29	10:00a	9:51p	99	1925	66	1976	91	73	82	3.31	1918
21 Mon	6:22	7:28	10:56a	10:19p	98	1980	62	1956	91	73	82	2.43	1934
22 Tue	6:23	7:27	11:53a	10:51p	102	1968	59	1956	91	73	82	2.79	1879
23 Wed	6:24	7:26	12:54p	11:27p	99	1924	63	2009	91	73	82	1.92	1909
24 Thu	6:24	7:25	1:59p	-	100	1924	60	2009	90	73	82	1.88	2011
25 Fri	6:25	7:24	3:05p	12:11a	100	1938	57	1891	90	73	81	4.73	2008
26 Sat	6:25	7:23	4:09p	1:03a	100	2000	63	2015	90	72	81	2.47	1950
27 Sun	6:26	7:22	5:10p	2:06a	97	2000	62	2015	90	72	81	1.90	1984
28 Mon	6:27	7:20	6:03p	3:16a	97	2000	66	2015	90	72	81	4.15	2012
29 Tue	6:27	7:19	6:48p	4:30a	105	2000	61	1992	90	72	81	3.48	2012
30 Wed	6:28	7:18	7:28p	5:45a	102	1954	61	1992	90	72	81	4.65	2021
31 Thu	6:28	7:17	8:03p	6:58a	99	1954	63	1992	90	72	81	2.12	2021

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

\* Includes melted snow, sleet and hail

## AUGUST

Normal Precipitation 6.87" Wettest 15.22" 1881  
Normal Temperature 81.9° Driest 1.04" 1997

ASTRONOMICAL AND METEOROLOGICAL CALENDAR FOR MOBILE AND VICINITY

# SEPTEMBER, 2023

All times listed are CENTRAL DAYLIGHT TIME

Last Quarter



6th 5:21 P.M.

New Moon



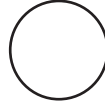
14th 8:40 P.M.

First Quarter



22nd 2:32 P.M.

Full Moon



29th 4:57 A.M.

DAY OF Month Week	SUN		MOON		TEMPERATURE EXTREMES				TEMPERATURE NORMALS			GREATEST PRECIP.*	
	Rise	Set	Rise	Set	High	Year	Low	Year	High	Low	Mean	Total	Year
1 Fri	6:29	7:16	8:36p	8:08a	97	1964	62	1946	90	72	81	7.30	1932
2 Sat	6:29	7:14	9:08p	9:16a	98	1989	61	1892	90	72	81	5.54	1950
3 Sun	6:30	7:13	9:42p	10:22a	97	1944	63	1952	90	72	81	5.24	2011
4 Mon	6:31	7:12	10:18p	11:28a	99	1990	59	1952	89	71	80	3.55	2011
5 Tue	6:31	7:11	10:58p	12:34a	103	1925	57	1891	89	71	80	4.50	1908
6 Wed	6:32	7:10	11:43p	1:37p	98	1954	59	2011	89	71	80	6.58	1967
7 Thu	6:32	7:08	-	2:37p	97	2019	56	2011	89	71	80	6.17	1974
8 Fri	6:33	7:07	12:32a	3:31p	99	2019	56	2011	89	71	80	2.08	1947
9 Sat	6:33	7:06	1:26a	4:19p	98	1980	56	2011	89	71	80	2.78	1988
10 Sun	6:34	7:05	2:23a	5:01p	99	1980	56	1956	89	70	79	6.80	1944
11 Mon	6:34	7:03	3:20a	5:37p	97	1915	56	1956	88	70	79	3.12	1893
12 Tue	6:35	7:02	4:17a	6:09p	97	2019	53	1940	88	70	79	8.23	1979
13 Wed	6:36	7:01	5:13a	6:38p	97	2019	55	1940	88	70	79	3.76	1973
14 Thu	6:36	6:59	6:07a	7:04p	96	1995	52	1902	88	70	79	4.40	1952
15 Fri	6:37	6:58	7:02a	7:30p	97	1972	54	1985	88	69	79	3.88	1913
16 Sat	6:37	6:57	7:56a	7:55p	101	1927	55	1961	88	69	78	3.68	1988
17 Sun	6:38	6:56	8:51a	8:23p	100	1927	57	1961	87	69	78	1.41	1930
18 Mon	6:38	7:54	9:48a	8:53p	100	2019	54	1981	87	69	78	6.75	1877
19 Tue	6:39	7:53	10:48a	9:27p	97	2005	48	1981	87	68	78	2.73	1980
20 Wed	6:40	7:52	11:50a	10:07p	100	1925	50	1981	87	68	77	7.61	1926
21 Thu	6:40	6:51	12:55p	10:55p	99	1925	51	1918	87	68	77	2.44	1898
22 Fri	6:41	6:49	1:58p	11:52p	98	1925	47	1983	87	67	77	5.17	1920
23 Sat	6:41	6:48	2:58p	-	96	1921	49	1983	86	67	77	2.72	1889
24 Sun	6:42	6:47	3:52p	12:57a	95	2016	50	1990	86	67	76	4.57	1956
25 Mon	6:42	6:45	4:40p	2:08a	94	2022	50	1990	86	66	76	6.19	2002
26 Tue	6:43	6:44	5:21p	3:20a	95	2019	50	2001	86	66	76	3.27	1881
27 Wed	6:44	6:43	5:57p	4:33a	94	1954	50	2001	85	66	76	7.50	2015
28 Thu	6:44	6:42	6:31p	5:43a	94	1953	48	1967	85	65	75	8.60	1998
29 Fri	6:45	6:40	7:03p	6:52a	94	1904	42	1967	85	65	75	4.10	1898
30 Sat	6:45	6:39	7:36p	8:00a	94	2019	45	1967	85	65	75	5.40	1965

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

\* Includes melted snow, sleet and hail

## SEPTEMBER

Normal Precipitation 5.30" Wettest 24.13" 1998  
Normal Temperature 78.1° Driest .47" 1923

ASTRONOMICAL AND METEOROLOGICAL CALENDAR FOR MOBILE AND VICINITY

# OCTOBER, 2023

All times listed are CENTRAL DAYLIGHT TIME

Last Quarter



6th 8:48 A.M.

New Moon



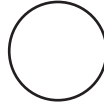
14th 12:55 P.M.

First Quarter



21st 10:29 P.M.

Full Moon



28th 3:24 P.M.

DAY OF Month Week	SUN		MOON		TEMPERATURE EXTREMES				TEMPERATURE NORMALS			GREATEST PRECIP.*	
	Rise	Set	Rise	Set	High	Year	Low	Year	High	Low	Mean	Total	Year
1 Sun	6:46	6:38	8:12p	9:08a	97	2019	45	1920	84	64	74	3.34	1906
2 Mon	6:47	6:37	8:51p	10:16a	96	2019	43	1984	84	64	74	5.37	1893
3 Tue	6:47	6:35	9:35p	11:22a	98	2019	43	1984	84	64	74	3.21	1995
4 Wed	6:48	6:34	10:24p	12:25p	98	2019	44	1987	84	63	73	4.90	1995
5 Thu	6:48	6:33	11:17p	1:24p	94	2019	44	2010	83	63	73	3.31	1935
6 Fri	6:49	6:32	-	2:15p	93	1941	43	1932	83	62	73	4.11	1910
7 Sat	6:50	6:31	12:14a	3:00p	92	1941	43	1964	83	62	72	2.81	2017
8 Sun	6:50	6:29	1:12a	3:38p	94	1941	43	1991	82	62	72	3.39	1894
9 Mon	6:51	6:28	2:09a	4:11p	94	1941	42	2000	82	61	72	5.03	1905
10 Tue	6:52	6:27	3:06a	4:41p	92	1981	44	1951	82	61	71	2.40	1878
11 Wed	6:52	6:26	4:01a	5:08p	92	2017	42	2000	81	60	71	2.14	1895
12 Thu	6:53	6:25	4:55a	5:33p	89	2009	42	2000	81	60	71	2.00	1983
13 Fri	6:53	6:24	5:49a	5:59p	92	1963	41	1977	81	60	70	2.98	1912
14 Sat	6:54	6:22	6:44a	6:26p	90	1972	40	1977	80	59	70	2.13	1959
15 Sun	6:55	6:21	7:42a	6:55p	89	2018	41	2010	80	59	69	5.46	1932
16 Mon	6:55	6:20	8:41a	7:28p	93	2015	43	1987	80	58	69	3.49	1923
17 Tue	6:56	6:19	9:44a	8:07p	90	1972	38	1991	80	58	69	5.77	1937
18 Wed	6:57	6:18	10:48a	8:52p	89	1972	39	1948	79	57	68	3.46	1912
19 Thu	6:58	6:17	11:52a	9:46p	88	1949	37	2022	79	57	68	2.04	1887
20 Fri	6:58	6:16	12:53p	10:48p	89	2016	33	1989	79	57	68	1.84	1956
21 Sat	6:59	6:15	1:48p	11:55p	88	1963	35	1989	78	56	67	1.05	2019
22 Sun	7:00	6:14	2:36p	-	91	1963	38	2011	78	56	67	4.07	2017
23 Mon	7:00	6:13	3:17p	1:05a	90	1941	38	1937	77	55	66	2.55	1892
24 Tue	7:01	6:12	3:54p	2:15a	87	1941	37	1999	77	55	66	4.21	1920
25 Wed	7:02	6:11	4:27p	3:24a	88	1927	38	1999	77	54	66	2.87	2019
26 Thu	7:03	6:10	4:59p	4:31a	87	1936	37	2005	76	54	65	4.81	2015
27 Fri	7:03	6:09	5:31p	5:38a	88	1939	33	1957	76	54	65	3.19	2021
28 Sat	7:04	6:08	6:05p	6:45a	89	1963	32	1957	76	53	65	2.84	1880
29 Sun	7:05	6:07	6:43p	7:53a	87	2000	32	2008	75	53	64	4.99	1985
30 Mon	7:06	6:06	7:25p	9:01a	87	2016	34	1952	75	52	64	4.25	1967
31 Tue	7:06	6:05	8:12p	10:08a	88	2016	30	1993	75	52	63	5.20	1882

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

\* Includes melted snow, sleet and hail

## OCTOBER

Normal Precipitation 3.95" Wettest 13.44" 2017  
Normal Temperature 69.0° Driest .00" 1874, 2016

ASTRONOMICAL AND METEOROLOGICAL CALENDAR FOR MOBILE AND VICINITY

# NOVEMBER, 2023

All times listed are CENTRAL STANDARD TIME\*\*

Last Quarter



5th 2:37 A.M.

New Moon



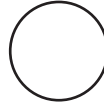
13th 3:27 A.M.

First Quarter



20th 4:50 A.M.

Full Moon



27th 3:16 A.M.

DAY OF Month Week	SUN		MOON		TEMPERATURE EXTREMES				TEMPERATURE NORMALS			GREATEST PRECIP.*	
	Rise	Set	Rise	Set	High	Year	Low	Year	High	Low	Mean	Total	Year
1 Wed	7:07	6:05	9:05p	11:10a	87	1971	28	1993	75	52	63	2.13	1979
2 Thu	7:08	6:04	10:02p	12:06p	87	1971	30	1966	74	51	63	1.92	1995
3 Fri	7:09	6:03	11:01p	12:54p	87	2016	26	1966	74	51	62	1.60	2010
4 Sat	7:10	6:02	11:59p	1:35p	88	2016	28	1991	74	51	62	2.62	1992
5 Sun	6:10	5:01	-	1:11p	86	2015	27	1991	73	50	62	1.73	1875
6 Mon	6:11	5:01	11:56p	1:42p	87	2003	30	1991	73	50	61	7.01	1975
7 Tue	6:12	5:00	12:51a	2:09p	86	2022	27	1959	73	50	61	4.74	1989
8 Wed	6:13	4:59	1:46a	2:35p	88	2022	28	1951	72	49	61	3.11	1926
9 Thu	6:14	4:59	2:40a	3:01p	83	2020	30	1991	72	49	61	3.54	1975
10 Fri	6:14	4:58	3:35a	3:27p	81	1988	28	1991	72	49	60	3.14	1919
11 Sat	6:15	4:58	4:31a	3:56p	83	1985	31	2011	71	49	60	3.25	2004
12 Sun	6:16	4:57	5:30a	4:27p	83	2003	29	1894	71	48	60	3.24	1992
13 Mon	6:17	4:57	6:33a	5:04p	83	2005	26	2019	71	48	59	4.43	1914
14 Tue	6:18	4:56	7:38a	5:49p	82	2008	28	1969	71	48	59	1.55	1929
15 Wed	6:19	4:55	8:44a	6:41p	83	1980	25	1940	70	48	59	5.70	2006
16 Thu	6:19	4:55	9:47a	7:41p	82	2011	24	1940	70	47	59	3.15	1987
17 Fri	6:20	4:54	10:44a	8:48p	83	2003	28	1997	70	47	58	2.00	1876
18 Sat	6:21	4:54	11:34a	9:57p	82	1958	25	1951	69	47	58	2.52	2000
19 Sun	6:22	4:53	12:17p	11:06p	82	1985	23	2014	69	47	58	1.99	1948
20 Mon	6:23	4:53	12:54p	-	84	1973	27	1937	69	47	58	2.35	1999
21 Tue	6:24	4:53	1:28p	12:13a	82	1994	25	1887	69	46	57	2.39	1977
22 Wed	6:25	4:52	1:59p	1:19a	81	1973	26	2000	68	46	57	4.87	1907
23 Thu	6:25	4:52	2:30p	2:24a	83	1973	25	1956	68	46	57	2.46	1948
24 Fri	6:26	4:52	3:02p	3:29a	81	1973	24	1970	68	46	57	2.85	2000
25 Sat	6:27	4:52	3:37p	4:35a	84	1973	22	1950	68	46	57	2.97	1944
26 Sun	6:28	4:51	4:16p	5:42a	82	1973	29	1950	67	46	56	3.32	1878
27 Mon	6:29	4:51	5:01p	6:48a	82	1973	27	1956	67	45	56	3.35	1914
28 Tue	6:30	4:51	5:52p	7:53a	80	2005	25	2013	67	45	56	2.15	1976
29 Wed	6:30	4:51	6:48p	8:53a	79	2019	25	1976	67	45	56	3.46	1913
30 Thu	6:31	4:51	7:47p	9:45a	80	1967	24	1976	66	45	56	2.77	1930

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

\*\*CENTRAL STANDARD TIME begins on Nov. 5.

\* Includes melted snow, sleet and hail

## NOVEMBER

Normal Precipitation 4.60" Wettest 13.65" 1948  
Normal Temperature 58.9° Driest .06" 1924

ASTRONOMICAL AND METEOROLOGICAL CALENDAR FOR MOBILE AND VICINITY

# DECEMBER, 2023

All times listed are CENTRAL STANDARD TIME

Last Quarter



4th 11:49 P.M.

New Moon



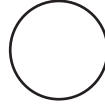
12th 5:32 P.M.

First Quarter



19th 12:39 P.M.

Full Moon



26th 6:33 P.M.

DAY OF Month Week	SUN		MOON		TEMPERATURE EXTREMES				TEMPERATURE NORMALS			GREATEST PRECIP.*	
	Rise	Set	Rise	Set	High	Year	Low	Year	High	Low	Mean	Total	Year
1 Fri	6:32	4:51	8:46p	10:30a	80	1982	24	1964	66	45	56	2.26	1996
2 Sat	6:33	4:51	9:45p	11:08a	81	2018	22	1876	66	45	55	1.87	1905
3 Sun	6:34	4:51	10:41p	11:41a	79	1933	22	1929	66	45	55	2.36	1955
4 Mon	6:34	4:51	11:35p	12:10p	79	2005	25	1989	66	44	55	2.94	1955
5 Tue	6:35	4:51	-	12:36p	79	2017	24	1886	65	44	55	1.56	1953
6 Wed	6:36	4:51	12:29a	1:02p	81	1998	23	1886	65	44	55	2.90	1953
7 Thu	6:37	4:51	1:23a	1:27p	81	1998	22	1937	65	44	55	1.69	1948
8 Fri	6:37	4:51	2:18a	1:54p	80	1998	24	2006	65	44	54	3.46	2018
9 Sat	6:38	4:51	3:16a	2:24p	80	1986	22	2010	65	44	54	2.78	1952
10 Sun	6:39	4:51	4:17a	2:59p	80	2012	22	1995	64	44	54	3.60	1961
11 Mon	6:40	4:52	5:21a	3:41p	78	2015	22	1957	64	44	54	3.68	1983
12 Tue	6:40	4:52	6:28a	4:30p	81	1971	14	1962	64	44	54	4.06	2009
13 Wed	6:41	4:52	7:34a	5:29p	79	2007	10	1962	64	43	54	4.18	1885
14 Thu	6:42	4:53	8:35a	6:36p	78	1995	24	2010	64	43	54	2.27	1943
15 Fri	6:42	4:53	9:30a	7:46p	79	1971	20	1901	64	43	53	4.21	1891
16 Sat	6:43	4:53	10:16a	8:57p	81	1971	16	1901	63	43	53	2.48	1902
17 Sun	6:43	4:54	10:55a	10:06p	78	2008	25	1963	63	43	53	3.00	1995
18 Mon	6:44	4:54	11:30a	11:12p	77	2006	19	1901	63	43	53	4.68	1995
19 Tue	6:45	4:54	12:02p	-	80	1967	17	1981	63	43	53	1.30	1887
20 Wed	6:45	4:55	12:32p	12:17a	78	1978	17	1981	63	43	53	2.90	2007
21 Thu	6:46	4:55	1:03p	1:20a	79	1998	16	1901	63	42	53	2.03	1918
22 Fri	6:46	4:56	1:36p	2:24a	80	2017	13	1989	62	42	52	4.29	1911
23 Sat	6:47	4:56	2:13p	3:29a	79	1970	9	1989	62	42	52	4.03	2015
24 Sun	6:47	4:57	2:55p	4:35a	78	2016	9	1989	62	42	52	1.80	1924
25 Mon	6:48	4:58	3:43p	5:39a	80	2016	8	1983	62	42	52	2.15	1943
26 Tue	6:48	4:58	4:36p	6:40a	78	2021	14	1983	62	42	52	2.14	1939
27 Wed	6:48	4:59	5:34p	7:35a	80	2016	18	1872	62	42	52	2.90	1942
28 Thu	6:49	4:59	6:34p	8:23a	81	1974	18	1925	62	42	52	5.10	1901
29 Fri	6:49	5:00	7:33p	9:04a	81	2021	16	1894	62	41	52	1.97	1914
30 Sat	6:49	5:01	8:30p	9:39a	82	2021	14	1880	62	41	51	4.51	1968
31 Sun	6:50	5:01	9:26p	10:09a	81	2021	14	1983	62	41	51	4.10	2002

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

\* Includes melted snow, sleet and hail

## DECEMBER

Normal Precipitation 5.45" Wettest 15.37" 2009

Normal Temperature 53.3° Driest .53" 1889

Greatest Snowfall 3.0" Dec. 31, 1963



## 2022 MOBILE AREA WEATHER HIGHLIGHTS

**JANUARY 20-24** *COLD WAVE* An Arctic cold front reached the Gulf Coast on the 20th resulting in the coldest weather of the 2021-2022 winter. The Mobile Regional Airport recorded lows in the 20's for four consecutive nights (21st -24th), with the coldest reading on the 23rd when the mercury dipped to 21°.

**MAY 6** *TORNADOES* Two short-track tornadoes developed in the Mobile area ahead of an approaching cold front on May 6. An EF-1 tornado formed in downtown Mobile along Broad Street resulting in the destruction of a Family Dollar store and damage to an adjacent Greer's market. A second EF-1 developed just south of the Trione Sports Complex in Daphne causing damage to a supply store, several metal buildings, and numerous trees.

**JUNE 13-25** *HEAT WAVE* A major heat wave affected the Mobile area from the 13th through the 25th with highs reaching or exceeding 95° each day. On the 18th and 22nd, the mercury climbed to 101°, setting daily records, while a reading of 101° on the 24th resulted in a tie. The highest temperature of the heat wave was on the 23rd when 102° broke the daily record and matched the all-time record for June.

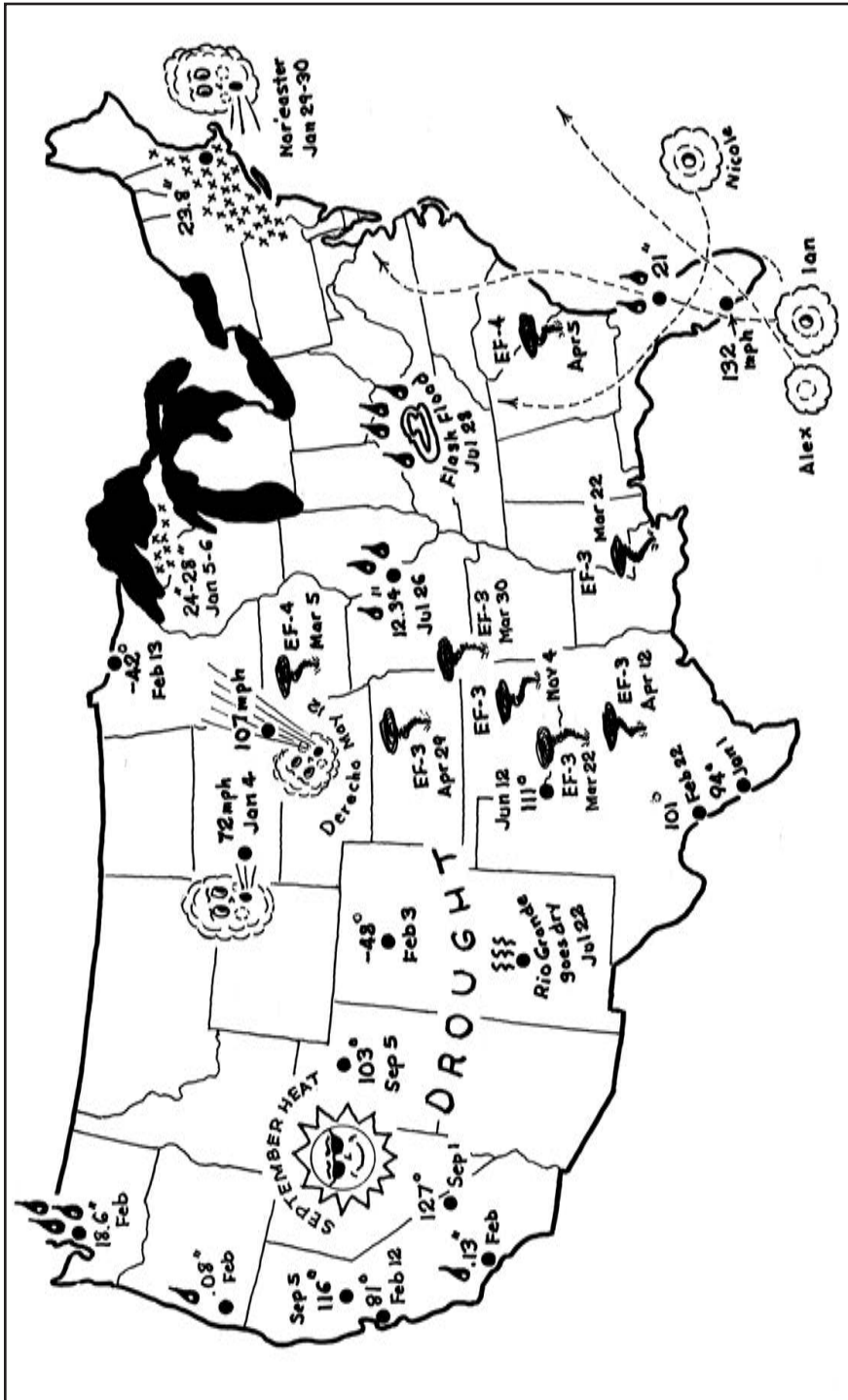
**OCTOBER 29** *TORNADOES* As a cold front and squall line slowly moved east across Louisiana and Mississippi on October 29, individual thunderstorm cells moved north from the Gulf producing small tornadoes and waterspouts across the Mobile area. In Baldwin County, survey teams determined that EF-1 tornadoes reached the ground at Bon Secour, Magnolia Springs, and Spanish Fort. EF-0 tracks were found at Daphne, Skunk Bayou, and south of Point Clear. Five tornadoes were confirmed in Mobile County with an EF-1 near Dawes and EF-0 tornadoes at Theodore, Pine Grove, Orchard, and Brookley. With the exception of a mobile home that was destroyed near Bon Secour, most of the damage across the two counties was confined to trees and roofing material.

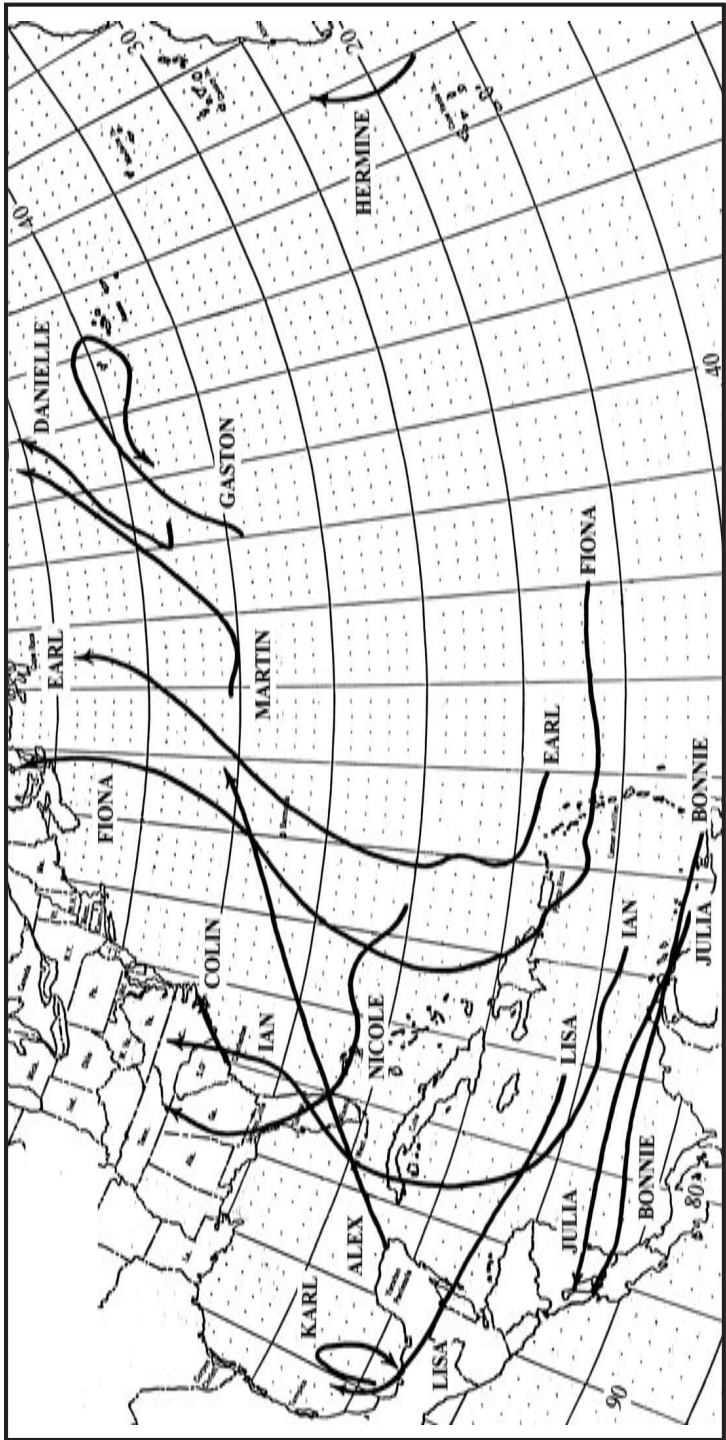


Photo courtesy of Mobile National Weather Service

*An EF-1 tornado touched-down briefly in downtown Mobile on May 6 causing significant damage along Broad Street.*

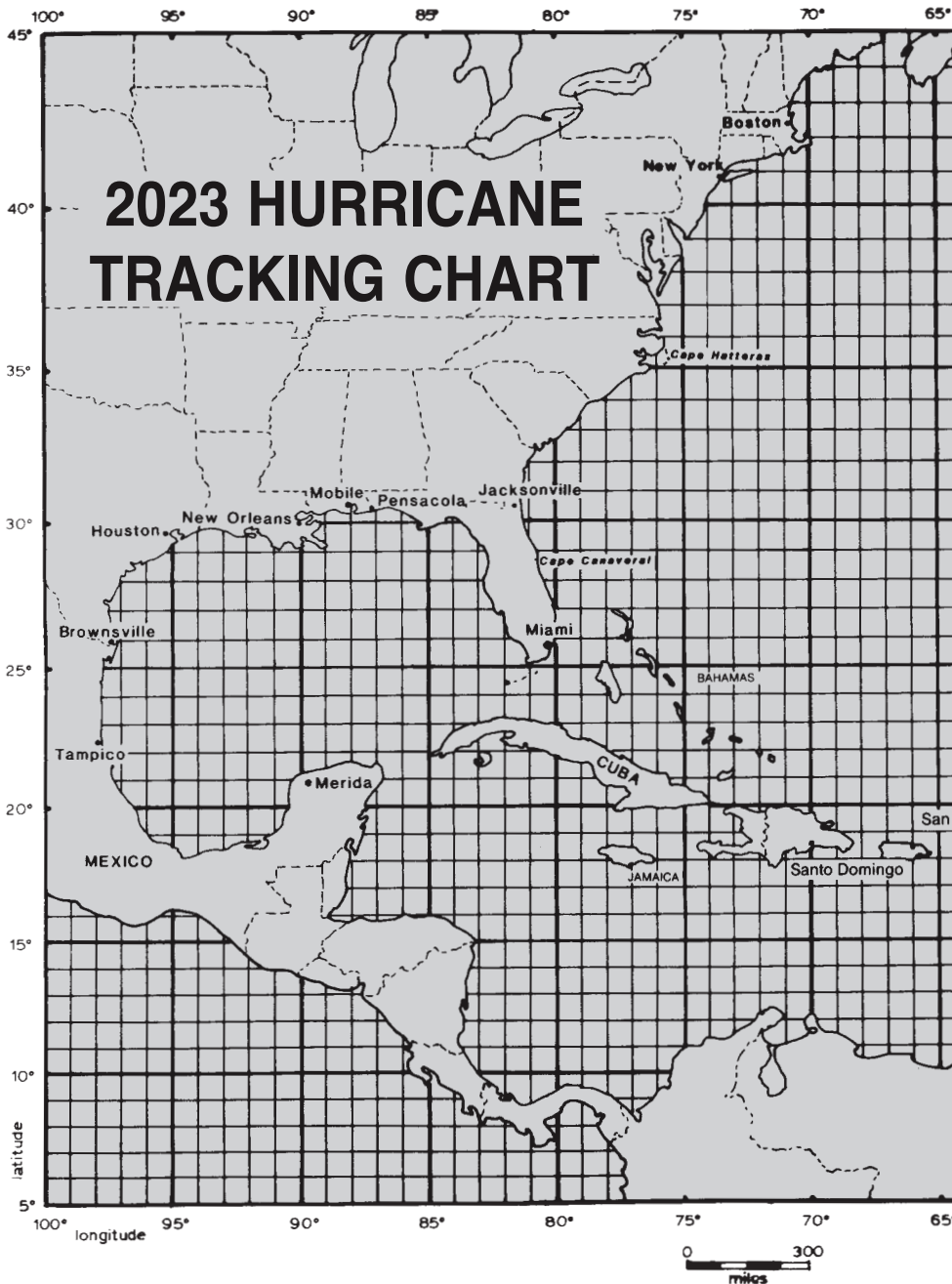
# 2022 National Weather Highlights





# 2022 HURRICANE SEASON

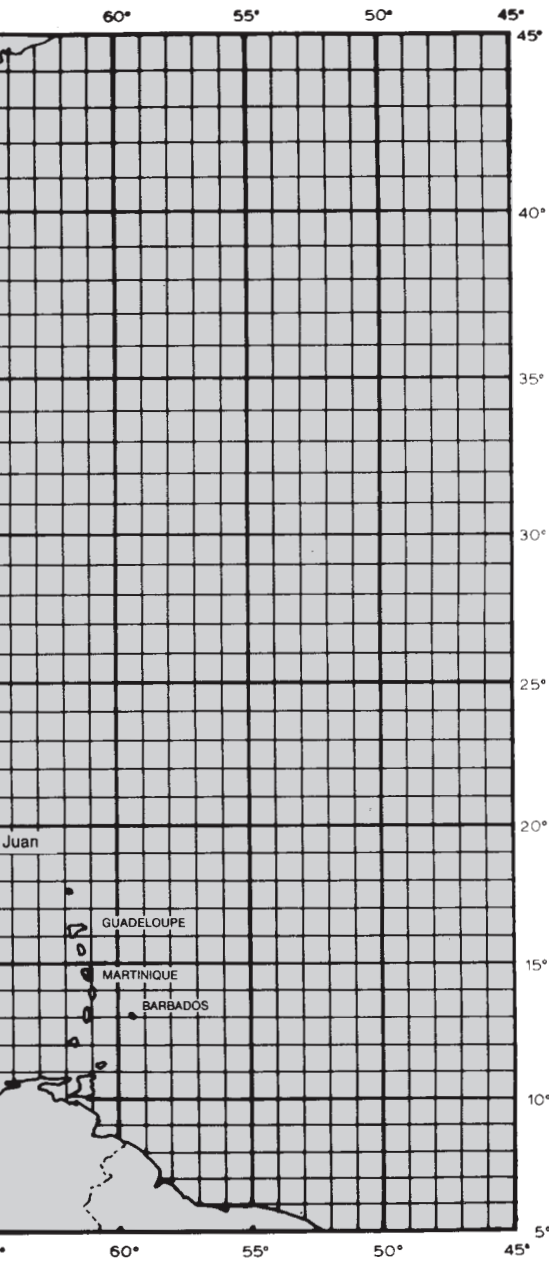
Hurricanes: Danielle, Earl, Fiona, Ian, Julia, Lisa, Martin, Nicole



**Most Intense Hurricanes To Hit The U.S. 1900-2022**

**Costliest H**

HURRICANE	YEAR	PRES. (in.)	HURRICANE	YEAR	PRES. (in.)	HURRICANE
1. Florida (Keys)	1935	26.35	6. Florida (Keys)/S. Texas	1919	27.37	1. HARVEY
2. CAMILLE (MS)	1969	26.84	7. IRMA (Keys)	2017	27.43	2. KATRINA
3. MICHAEL (FL)	2018	27.14	8. Florida (South Florida)	1928	27.43	3. SANDY
4. KATRINA (LA/MS)	2005	27.17	9. DONNA (Florida)	1960	27.46	4. IAN
5. ANDREW (FL/LA)	1992	27.23	10. Florida (Miami)/MS/AL	1926	27.46	5. IRMA



## 2023 ATLANTIC TROPICAL CYCLONE NAMES

- ARLENE
- BRET
- CINDY
- DON
- EMILY
- FRANKLIN
- GERT
- HAROLD
- IDALIA
- JOSE
- KATIA
- LEE
- MARGOT
- NIGEL
- OPHELIA
- PHILIPPE
- RINA
- SEAN
- TAMMY
- VINCE
- WHITNEY

### Deadliest Hurricanes To Hit The U.S. 1900-2022

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

### Hurricanes In The United States 1900-2022

Billions of Dollars at Time of Occurrence

YEAR	COST	HURRICANE	YEAR	COST
2017	125	6. IKE	2008	30
2005	125	7. ANDREW	1992	27
2012	90	8. WILMA	2005	27
2022	67	9. MICHAEL	2018	25
2017	52	10. FLORENCE	2018	24

JM OTTO

# 2022 HURRICANE SEASON IN REVIEW

by Jeffrey M. Medlin

*Tropical Cyclone and Winter Weather Meteorologist, Instructor  
Department of Earth Sciences, University of South Alabama*

The 2022 Atlantic Hurricane Season ended around average with 14 named tropical cyclones (expected 14), 8 hurricanes (expected 7) and 2 major hurricanes (Category 3 or higher; expected 3). When also considering the Accumulated Cyclone Energy Index (or ACE) across the Atlantic basin, and not just the number of storms, it was only 86% of normal. As of the last-named November tropical cyclone, this season's observed ACE value stands at 95 units, whereas climatology averages 122.5 seasonal units. That is approximately 14% below normal. So, one can argue about the season being either above or below normal as a whole, depending on the statistic. Despite this, the 2022 season greatly underperformed pre-season forecast expectations.

Before the season began, each of the major predictive factors supportive of an above-normal season were present, such as the ENSO Cycle (i.e., with it being La Nina, which favors less vertical wind shear), relatively warm sea surface temperatures, lower tropical Atlantic mean sea level pressure, and a forecast strengthened African Monsoon. Despite these pointing the needle rather strongly to an above-normal season (if not well above-normal), it did not happen, and it goes to show that it only takes one significant storm to have major life-altering impacts and create weeks and months of suffering and/or even death. To convince oneself, ask the residents of western Cuba and Florida who endured the wrath of upper-end Category 4 Major Hurricane Ian's impacts if they were concerned about above or below normal activity, or those in Puerto Rico, the Turks and Caicos, Bermuda, and Canada who experienced Category 4 Major Hurricane Fiona. Consequently, Fiona was the costliest and most intense tropical or post-tropical cyclone to hit Canada on record.

It is clear, looking back at the season as a whole, the month of August caused the season to fall far short of forecast expectations. No tropical cyclones formed during August, which is quite unusual. This has not occurred since 1997 and is only the third time since 1950. Based on a 30-year climatology (1991-2020), 3 or 4 named storms typically develop in August, with one or two of them becoming hurricanes. A major hurricane forms in August every 1 to 2 years. This is the big story for what otherwise could have been another record-breaking season, with regard to tropical cyclone frequency. An active polar jet stream in the westerlies sent a series of mid-latitude convective systems, and these moved unusually far into the central Atlantic. The vertical wind shear associated with each of the systems clearly hampered developing tropical waves. This was very evident in daily satellite observations across the Tropical Atlantic in July and August. But then - it switched!

Remarkably, between 1-29 September 2022, 6 named storms rapidly increased the ACE from only 5.1 units to 79.1 units! Those 74 units of ACE account for 81% of the season's total, occurring over only 29 days. This burst was classically coincident with the average mid-September peak in Atlantic basin daily tropical cyclone frequency.

Other notable observations associated with this year's hurricane season include:

- At the end of August, ACE was only 9% of its expected seasonal average (1991-2020) and this left many to wonder about this season's activity. Would it ever resume? It was the 2nd-lowest ACE to date in the satellite era (1967-2022), and only 1988 had lower ACE through the end of August.
- Major Hurricane Fiona was the longest-lived hurricane (11 days), while Major Hurricane Ian was second (8 days). Given their long durations, these accounted for a large portion of the 2022 tropical season's ACE (Fiona - 26.3%; Ian - 17.4%).
- Major Hurricane Ian made two U.S. landfalls, one in southwest Florida and another in South Carolina.
- Remarkably, the last hurricane to strike the US in November, before Nicole, was Kate (1985), which was 37 years ago! Based on statistics, this makes Nicole's Florida East Coast Peninsular landfall rare!
- Three named storms exhibited two-day (or less) durations: Alex, Bonnie, and Colin.

The table below yields basic preliminary statistics for each storm during the 2022 Atlantic Hurricane Season.

Name	Status	Month	Max Wind (mph)	Minimum Pressure (millibars)
Alex	TS	Jun	70	984
Bonnie	TS	Jul	50	997
Colin	TS	Jul	40	1011
Danielle	H	Sep	90	972
Earl	H	Sep	105	954
Fiona	<b>MH</b>	Sep	130	932
Gaston	TS	Sep	65	995
Hermine	TS	Sep	40	1002
Ian	<b>MH</b>	Sep	155	936
Julia	H	Oct	85	982
Karl	TS	Oct	60	998
Lisa	H	Oct-Nov	85	987
Martin	H	Nov	85	960
Nicole	H	Nov	75	980

**KEY:** TS = Tropical Storm, H = Hurricane, **MH** = Major Hurricane

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Photo courtesy of the Mobile National Weather Service

*An EF-2 tornado ripped through Beaumont, Mississippi during the evening of April 17 causing damage along a 1.6-mile path. A lumber mill (above) suffered extensive damage due to estimated peak winds of 120 mph.*



Photo courtesy of the Mobile National Weather Service

*A tree limb blown by tornado-produced winds pierced the siding of the above home in Avera, Mississippi (Greene County) on April 17. A National Weather Service survey team classified the tornado as an EF-2 with peak winds of 130 mph.*



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more powerful  
than the weather...**

**...except maybe a  
YAMAHA**



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# **OLD TYME**

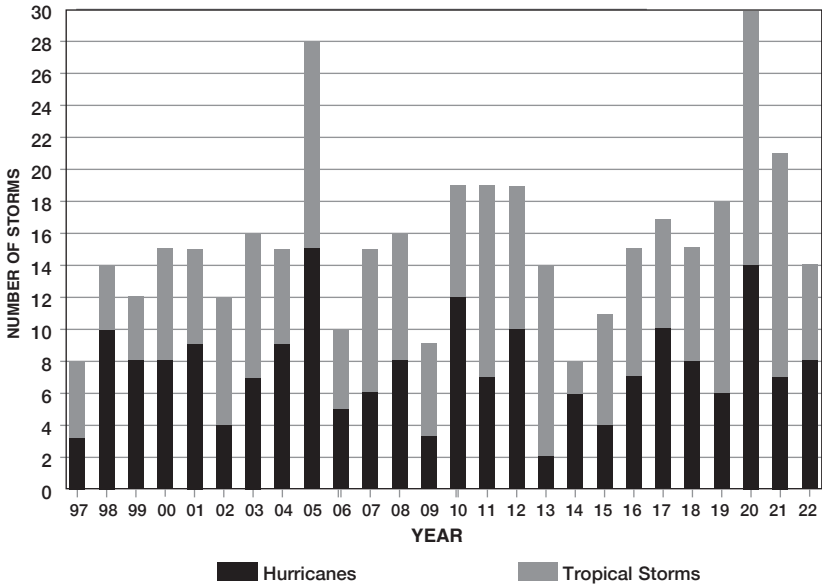
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## TROPICAL STORMS AND HURRICANES 1997-2022



The above graph shows the number of tropical storms and hurricanes each year from 1997 through 2022 with hurricanes shown in black and tropical storms in gray. The 30 storms in 2020 is the all-time record for a single season. During this 25-year period, Michael (2018) was the only hurricane to reach the U.S. as a category 5 storm. In fact, since 1900 there have only been three other hurricanes to strike the U.S. as a category 5. Those storms were Camille (1969), Andrew (1992) and the Labor Day Hurricane (1935).

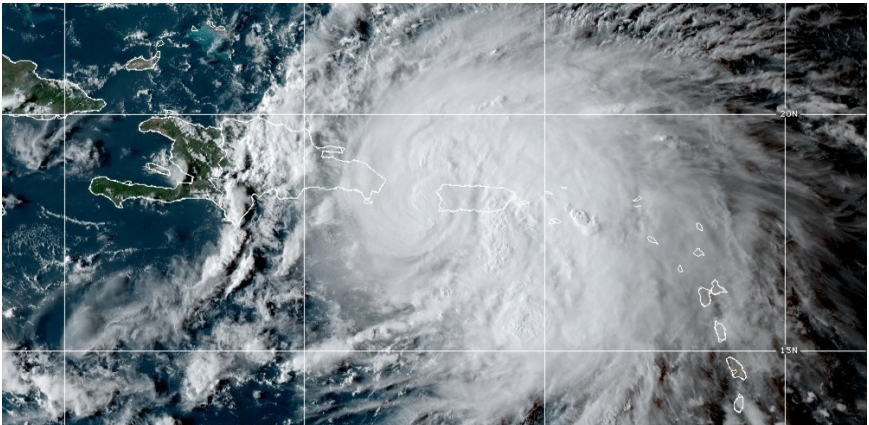


Photo courtesy of NOAA

*In the above satellite picture taken on September 18 at 4:10 p.m. CDT, Hurricane Fiona was located 10 miles west of Mayaguez, Puerto Rico. The intensifying storm was moving northwest at 9 mph with winds of 85 mph. At the time of this photo, torrential rains were occurring across Puerto Rico, especially along the southern slopes of the island's mountainous terrain.*

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# WORLD WEATHER EXTREMES

(Degrees Fahrenheit, Inches of Precipitation)

## TEMPERATURE

Highest:	134°	Death Valley, California	Jul 10, 1913
Lowest:	-128.5°	Vostok, Antarctica	Jul 20, 1983

## HEAVY RAINFALL

1 minute:	1.23"	Unionville, Missouri	Jul 4, 1956
60 minutes:	12.0"	Holt, Missouri	Jun 22, 1947
24 hours:	71.8"	La Reunion Island	Jan 7-8, 1966
48 hours:	97.1"	La Reunion Island	Apr 7-9, 1958
72 hours:	154.7"	La Reunion Island	Feb 24-26, 2017
12 months:	1,042"	Cherrapunji, India	Aug 1860-Jul 1861

## SEVERE WEATHER

Hailstone, largest:	2.25 lbs.	Gopalganj, Bangladesh	Apr 14, 1986
Hailstone, highest mortality:	246 persons	Moradabad, India	Apr 30, 1888
Lightning, longest flash:	477.2 miles	Texas to Mississippi	Apr 29, 2020
Lightning, longest duration (single flash):	17.1 secs	Uruguay	June 18, 2020
Lightning, highest mortality (single flash):	21 persons	Zimbabwe	Dec 23, 1975
Wave height (buoy), highest:	62.3 ft	North Atlantic Ocean	Feb 4, 2013
Wind gust, highest non-tornado:	253 mph	Barrow Island, Aust	Apr 10, 1996
Tropical cyclone, most intense:	870mb-25.69"	Typhoon Tip	Oct 1, 1979
Tropical cyclone, largest eye:	56 miles	TC Kerry Coral Sea	Feb 21, 1979
Tropical cyclone, smallest eye:	4 miles	TC Tracy Darwin, Aust	Dec 24, 1974
Tropical cyclone, highest storm surge:	42 ft	Queensland, Aust	Mar 5, 1899
Tornado, greatest outbreak:	201 tornadoes	Southeast U.S.	Apr 27, 2011
Tornado, greatest diameter:	2.6 miles	El Reno, OK	May 31, 2011
Tornado, strongest wind:	305 mph	Bridge Creek, OK	May 3, 1999
Tornado, longest track:	212 miles	Missouri to Indiana	Mar 18, 1925
Tornado, longest transport: (personal check)	223 miles	KS to NE	Apr 11, 1991

*Source: World Meteorological Organization*

# ARE YOU STORM READY?

Make a safety plan before severe weather strikes.

Alabama can experience severe weather any time of year. That's why Alabama Power is prepared to work quickly and safely to restore service whatever the weather. Meanwhile, there are things you can do to be ready for storms, and their aftermath.



## BEFORE THE STORM

1. Charge cellphones 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, at [AlabamaPower.com](http://AlabamaPower.com).
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. Never 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. To avoid carbon monoxide poisoning, always operate portable generators outdoors in a well-ventilated, dry area away from windows and air intakes to the home. A good location is a roofed structure open on four sides.



[AlabamaNewsCenter.com/storm-safety](http://AlabamaNewsCenter.com/storm-safety)



Alabama Power

## MOBILE WEATHER EXTREMES

(Degrees Fahrenheit, Inches of Precipitation)

### HOTTEST DAYS

105° August 29, 2000  
104° July 25, 1952  
103° September 5, 1925  
103° July 24, 1952  
103° July 14, 1980  
103° June 3, 2011

### COLDEST DAYS

-1° February 13, 1899  
3° January 21, 1985  
6° February 12, 1899  
7° January 11, 1962  
7° January 11, 1982  
8° December 25, 1983

### WETTEST MONTHS

26.67 June 1900  
24.12 September 1998  
20.66 June 2003  
20.50 July 1916  
20.23 March 1929

### DRIEST MONTHS

.00 October 2016  
.00 October 1874  
T October 1978  
.02 October 1987  
.03 October 1971

### WETTEST YEARS

92.32 1881  
91.18 1900  
90.53 1947  
89.86 1912  
89.34 1929

### DRIEST YEARS

37.15 1938  
39.50 1904  
42.35 1954  
42.51 1890  
43.96 1968

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# PEAK WIND GUSTS IN HURRICANES SINCE 1900

## Mobile and Baldwin Counties (90 mph or greater)

Gust (mph)	Hurricane	Year	Location
145	Frederic	1979	Dauphin Island (bridge)
145	Ivan	2004	Wolf Bay (sailboat)
130*	Elena	1985	Dauphin Island
121	Sally	2020	Fort Morgan
107	July	1916	Mobile (downtown)
104	Katrina	2005	Battleship Alabama
100**	Baker	1950	Fort Morgan
100**	Sept.	1906	Mobile (downtown)
94	Sept.	1926	Mobile (downtown)
91	Zeta	2020	Mobile (Regional Arpt.)

\* Estimated

\*\* Most likely around 100. No reliable surface measurements.

Sources: NWS, NHC, Monthly Weather Review

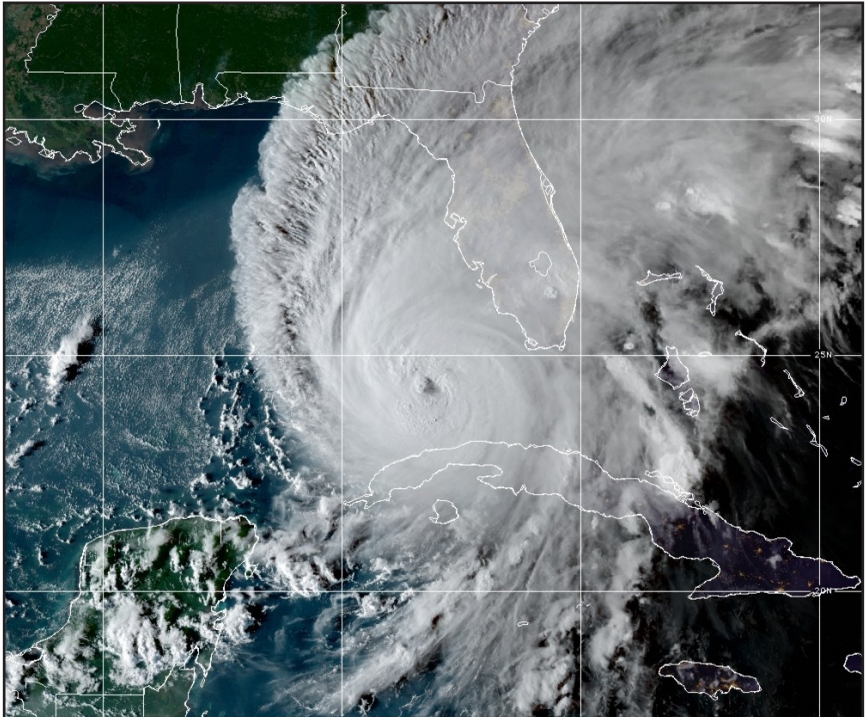


Photo courtesy of NOAA

*After crossing the western tip of Cuba, Hurricane Ian underwent rapid intensification over the southeastern Gulf of Mexico. In the above satellite photo taken at 5:20 p.m. CDT on September 27, Ian was located 230 miles southwest of Sarasota, Florida, and moving north at 10 mph. At this time, Ian was a category 3 hurricane with top winds of 120 mph and a central pressure of 28.12" (952 mb).*

## 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	Ryne Vincent	16	0	2019
Blue Marlin	Frank Mooror	618	0	1991
Blue Runner	Donald Davis	10	4	1997
Bonita	Kyle Davis	22	4	2021
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 Patrick	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
Swordfish	Ellis Blackmon	232	5	2021
Tarpon	Charlie H. Jackson	173	0	1996
Tuna	Doyle Taylor	179	6	2006
Vermilion Snapper	Colton Long	5	5	2016
Wahoo	Matt McLeod	117	14	2021
Warsaw Grouper	Michael Driver	226	0	1988
White Marlin	Randy Gibbs	93	8	1988
White Trout	Willard Lowery, Jr.	6	5	1998
Yellowfin Tuna	Jacob Collings	185	0	2021

## 2022 ALABAMA DEEP SEA FISHING RODEO FIRST PLACE WINNERS

		Lbs.	Oz.
African Pompano	John Felschow	12	9
Barracuda	Matthew Glenn	38	5
Billfish	Sander Poth	700	Pts
Black Drum	Charlie Jackson	48	1
Blackfin Tuna	Adrian Wilburn	26	14
Blackfish	Patrick Hill	33	5
Blue Runner	Bennie Goldman, Jr.	8	5
Bluefish	Jason Pate	12	14
Bonito	Richard Sullivan	20	8
Cobia	Vicki Foster	68	6
Crevalle	Steve Boike	29	7
Dolphin	Gage Swann	20	8
Flounder	Billy McClean	6	9
Gafftopsail	Rick Dalton	7	2
Gray Snapper	JD Gilliland	13	5
Grouper	Andrew Box	50	9
King Mackerel	Becky Parnell	54	9
Ladyfish	Joe Chastain	3	12
Pompano	Robert Byrne	2	12
Redfish	Steve White	8	4
Redfish (Live)	Steve White	8	4
Red Snapper	Hyler Krebs	27	3
Scamp	Gentry Williams	21	15
Shark	Janes Mollek-Russell	674	3
Sheepshead	Mason Howell	6	14
Spanish Mackerel	William Kleinschrodt, Jr.	5	6
Speckled Trout	Vicki Foster	4	5
Speckled Trout (Live)	Brandon Creal	18	Ct
Swordfish	Jacob Collings	189	6
Tarpon	Nicky Harvell	375	Pts
Vermilion Snapper	Thomas Haughton	4	2
Wahoo	Riley Cook	53	6
Warsaw Grouper	Randy Miller	21	6
White Trout	Colby Stafford	1	12
Yellowfin Tuna	Joseph Langan	172	13



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Sarah Ward

# 2023 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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Photo courtesy of the Mobile National Weather Service

*On the evening of March 22, a large thunderstorm produced straight-line winds across Choctaw County, AL for several miles. Once the storm reached the town of Toxey, a tornado formed and caused damage along a 1,000-foot track that included the above home. The tornado was rated an EF-1 with a width of 130 yards and an estimated peak wind of 110 mph.*

# 2023 PREDICTED TIDES, MOUTH OF THE MOBILE RIVER

## JANUARY

DATE	HIGH TIDE		LOW TIDE	
	Time	Height	Time	Height
Sun 1	7:26p	1.3	7:21a	-0.4
Mon 2	7:59p	1.4	7:44a	-0.6
Tue 3	8:42p	1.5	8:17a	-0.7
Wed 4	9:29p	1.5	8:55a	-0.8
Thu 5	10:18p	1.5	9:35a	-0.8
Fri 6	11:05p	1.5	10:14a	-0.8
Sat 7	11:49p	1.4	10:50a	-0.7
Sun 8	-----	---	11:18a	-0.7
Mon 9	12:28a	1.3	11:35a	-0.7
Tue 10	1:03a	1.2	11:40a	-0.5
Wed 11	1:35a	1.0	11:33a	-0.4
Thu 12	2:03a	0.8	11:20a	-0.2
Fri 13	2:13a	0.5	10:47p	0.5
Sat 14	6:49p	0.7	-----	---
Sun 15	6:30p	0.8	9:58a	0.1
Mon 16	6:56p	1.1	6:22a	-0.1
Tue 17	7:36p	1.5	7:04a	-0.6
Wed 18	8:30p	1.6	7:54a	-0.9
Thu 19	9:39p	1.7	8:46a	-1.1
Fri 20	10:36p	1.8	9:38a	-1.2
Sat 21	11:34p	1.7	10:27a	-1.2
Sun 22	-----	---	11:12a	-1.1
Mon 23	12:27a	1.6	11:49a	-0.9
Tue 24	1:18a	1.3	12:05p	-0.5
Wed 25	2:06a	1.0	11:32a	-0.2
Thu 26	2:48a	0.6	10:39a	0.0
Fri 27	5:30p	0.8	9:32a	0.1
Sat 28	5:30p	1.1	5:31a	-0.1
Mon 29	5:56p	1.3	6:02a	-0.3
Tue 30	6:32p	1.4	6:45a	-0.5
Wed 31	7:19p	1.4	7:28a	-0.6

## FEBRUARY

DATE	HIGH TIDE		LOW TIDE	
	Time	Height	Time	Height
Wed 1	8:16p	1.4	8:09a	-0.7
Thu 2	9:17p	1.4	8:48a	-0.7
Fri 3	10:14p	1.4	9:22a	-0.7
Sat 4	11:03p	1.4	9:51a	-0.6
Sun 5	11:44p	1.3	10:11a	-0.6
Mon 6	-----	---	10:20a	-0.5
Tue 7	12:22a	1.2	10:18a	-0.3
Wed 8	1:01a	1.0	10:07a	-0.2
Thu 9	1:46a	0.8	9:54a	0.0
Fri 10	2:51a	0.5	9:36a	0.1
Sat 11	5:02a	0.3	8:48a	0.2
Sun 12	4:59p	1.2	2:39a	0.0
Mon 13	5:28p	1.4	4:39a	-0.2
Tue 14	6:11p	1.6	5:56a	-0.4
Wed 15	7:08p	1.7	6:57a	-0.7
Thu 16	8:19p	1.7	7:50a	-0.9
Fri 17	9:35p	1.8	8:38a	-1.0
Sat 18	10:44p	1.7	9:22a	-0.9
Sun 19	11:44p	1.6	10:00a	-0.8
Mon 20	-----	---	10:29a	-0.5
Tue 21	12:44a	1.3	10:33a	-0.2
Wed 22	1:56a	1.0	9:51a	0.2
Thu 23	3:53a	0.7	9:10a	0.4
Fri 24	3:29p	1.1	-----	---
Sat 25	3:48p	1.3	1:22a	0.1
Sun 26	4:21p	1.5	5:32a	-0.1
Mon 27	5:03p	1.5	5:01a	-0.2
Tue 28	5:50p	1.5	6:10a	-0.3

## MARCH

DATE	HIGH TIDE		LOW TIDE	
	Time	Height	Time	Height
Wed 1	6:46p	1.5	7:03a	-0.4
Thu 2	7:51p	1.5	7:45a	-0.4
Fri 3	9:02p	1.5	8:19a	-0.4
Sat 4	10:06p	1.4	8:44a	-0.4
Sun 5	10:58p	1.3	9:00a	-0.3
Mon 6	11:48p	1.2	9:05a	-0.1
Tue 7	-----	---	8:58a	0.1
Wed 8	12:43a	1.0	8:45a	0.2
Thu 9	2:06a	0.8	8:31a	0.4
Fri 10	4:19a	0.7	8:11a	0.5
Sat 11	2:48p	1.1	10:16p	0.2
Sun 12*	4:22p	1.5	-----	---
Mon 13	4:59p	1.7	3:24a	0.0
Tue 14	5:47p	1.8	5:16a	-0.2
Wed 15	6:43p	1.9	6:37a	-0.4
Thu 16	7:48p	1.9	7:39a	-0.5
Fri 17	9:06p	1.8	8:29a	-0.6
Sat 18	10:34p	1.7	9:11a	-0.5
Sun 19	11:58p	1.5	9:45a	-0.3
Mon 20	-----	---	10:06a	0.0
Tue 21	1:22a	1.3	9:52a	0.3
Wed 22	3:17p	1.0	9:07a	0.6
Thu 23	5:39a	0.9	8:27a	0.8
Fri 24	2:33p	1.5	-----	---
Sat 25	3:06p	1.7	12:05a	0.1
Sun 26	3:47p	1.8	2:02a	0.0
Mon 27	4:33p	1.8	3:50a	0.0
Tue 28	5:23p	1.8	5:14a	0.0
Wed 29	6:15p	1.7	6:26a	-0.1
Thu 30	7:09p	1.6	7:19a	-0.1
Fri 31	8:08p	1.5	7:58a	-0.1

\*After 2:00 a.m. Sunday, March 12, times are shown in Daylight Saving Time until 2:00 a.m. Sunday, November 5.

## APRIL

DATE	HIGH TIDE		LOW TIDE	
	Time	Height	Time	Height
Sat 1	9:20p	1.4	8:24a	0.0
Sun 2	10:49p	1.3	8:39a	0.1
Mon 3	-----	---	8:40a	0.3
Tue 4	12:14a	1.1	8:27a	0.5
Wed 5	1:55a	1.0	8:06a	0.7
Thu 6	4:31a	0.9	7:38a	0.8
Fri 7	1:49p	1.3	9:51p	0.2
Sat 8	2:16p	1.7	11:39p	0.1
Sun 9	2:50p	1.9	-----	---
Mon 10	3:35p	2.0	1:41a	0.0
Tue 11	4:28p	2.0	3:37a	-0.1
Wed 12	5:24p	2.1	4:58a	-0.2
Thu 13	6:22p	2.0	6:06a	-0.3
Fri 14	7:21p	1.9	7:03a	-0.3
Sat 15	8:32p	1.7	7:48a	-0.1
Sun 16	10:44p	1.4	8:21a	0.1
Mon 17	-----	---	8:29a	0.5
Tue 18	1:13a	1.1	7:36a	0.8
Wed 19	1:53p	1.1	8:16p	0.6
Thu 20	12:49p	1.3	9:24p	0.3
Fri 21	1:07p	1.8	11:14p	0.2
Sat 22	1:42p	1.9	-----	---
Sun 23	2:24p	2.0	12:28a	0.0
Mon 24	3:11p	2.0	2:04a	0.0
Tue 25	4:01p	1.9	3:23a	0.0
Wed 26	4:52p	1.9	4:27a	0.0
Thu 27	5:39p	1.8	5:02a	0.1
Fri 28	6:21p	1.6	6:02a	0.1
Sat 29	7:00p	1.5	6:30a	0.3
Sun 30	7:42p	1.2	6:41a	0.4

# 2023 PREDICTED TIDES, MOUTH OF THE MOBILE RIVER

## MAY

DATE	HIGH TIDE		LOW TIDE	
	Time	Height	Time	Height
Mon 1	1:54p	1.1	6:30a	0.6
Mon 1	11:31p	1.0	7:23p	1.0
Tue 2	12:24p	1.2	5:54a	0.8
Tue 2	8:21p	0.7	8:21p	0.7
Wed 3	12:15p	1.4	8:56p	0.5
Thu 4	11:21p	1.6	9:33p	0.2
Fri 5	12:22p	1.8	10:18p	0.1
Sat 6	12:56p	2.0	11:19p	-0.1
Sun 7	1:36p	2.1	-----	---
Mon 8	2:24p	2.2	12:49a	-0.1
Tue 9	3:18p	2.2	2:19a	-0.2
Wed 10	4:15p	2.2	3:29a	-0.3
Thu 11	5:08p	2.1	4:28a	-0.2
Fri 12	5:56p	1.9	5:19a	-0.1
Sat 13	6:38p	1.6	5:59a	0.1
Sun 14	7:11p	1.2	6:15a	0.4
Mon 15	12:54p	1.1	5:13a	0.8
Tue 16	1:31a	0.9	3:58a	0.9
Wed 17	11:51a	1.3	8:54p	0.5
Thu 18	11:23a	1.8	9:27p	0.2
Fri 19	11:55a	2.0	10:52p	0.1
Sat 20	12:33p	2.0	11:47p	-0.1
Sun 21	1:16p	2.1	-----	---
Mon 22	2:03p	2.1	12:53a	-0.1
Tue 23	2:52p	2.0	1:56a	0.1
Wed 24	3:39p	2.0	2:47a	0.0
Thu 25	4:22p	1.9	3:26a	0.1
Fri 26	4:59p	1.7	3:54a	0.2
Sat 27	5:26p	1.5	4:07a	0.3
Mon 28	5:34p	1.2	4:02a	0.5
Mon 28	12:03p	1.2	3:36a	0.7
Tue 30	10:49a	1.3	2:26a	0.8
Wed 31	10:27a	1.5	8:43p	0.4

## JUNE

DATE	HIGH TIDE		LOW TIDE	
	Time	Height	Time	Height
Thu 1	10:38a	1.7	9:17p	0.1
Fri 2	11:06a	1.9	10:02p	-0.1
Sat 3	11:46a	2.1	10:59p	-0.2
Sun 4	12:33p	2.2	-----	---
Mon 5	1:25p	2.3	12:06a	-0.3
Tue 6	2:20p	2.3	1:19a	-0.4
Wed 7	3:16p	2.3	2:13a	-0.4
Thu 8	4:08p	2.1	3:02a	-0.3
Fri 9	4:53p	1.9	3:41a	-0.1
Sat 10	5:26p	1.5	3:59a	0.2
Sun 11	5:33p	1.1	3:25a	0.5
Mon 12	10:40a	1.2	2:21a	0.8
Tue 13	9:13a	1.4	8:54p	0.4
Wed 14	9:21a	1.7	9:16p	0.1
Thu 15	9:57a	1.9	9:50p	0.0
Fri 16	10:42a	2.0	10:30p	-0.1
Sat 17	11:30a	2.0	11:15p	-0.1
Sun 18	12:19p	2.1	-----	---
Mon 19	1:09p	2.1	12:03a	-0.1
Tue 20	1:55p	2.0	12:48a	-0.1
Wed 21	2:40p	2.0	1:26a	-0.1
Thu 22	3:21p	1.9	1:52a	0.0
Fri 23	3:57p	1.7	2:07a	0.1
Sat 24	4:28p	1.5	2:07a	0.3
Sun 25	4:56p	1.2	1:50a	0.5
Mon 26	5:55a	1.2	1:16a	0.7
Tue 27	6:22a	1.3	8:33p	0.6
Wed 28	6:26a	1.6	8:14p	0.4
Thu 29	6:51a	1.7	8:45p	0.1
Fri 30	9:35a	1.9	9:31p	-0.1

## JULY

DATE	HIGH TIDE		LOW TIDE	
	Time	Height	Time	Height
Sat 1	10:31a	2.1	10:22p	-0.3
Sun 2	11:132a	2.2	11:17p	-0.4
Mon 3	11:232p	2.3	-----	---
Tue 4	1:30p	2.3	12:12a	-0.5
Wed 5	2:26p	2.3	1:03a	-0.4
Thu 6	3:21p	2.1	1:46a	-0.3
Fri 7	4:11p	1.8	2:17a	0.0
Sat 8	4:54p	1.4	2:17a	0.4
Sun 9	8:44a	1.0	1:15a	0.7
Mon 10	7:18a	1.3	12:02a	0.8
Tue 11	7:11a	1.6	8:02p	0.7
Wed 12	7:39a	1.8	8:34p	0.2
Thu 13	8:22a	1.9	9:12p	0.0
Fri 14	9:16a	2.0	9:53p	0.0
Sat 15	10:19a	2.0	10:34p	-0.1
Mon 16	11:21a	2.0	11:13p	-0.1
Mon 17	12:17p	2.0	11:47p	0.0
Tue 18	1:06p	2.0	-----	---
Wed 19	1:50p	1.9	12:14a	0.0
Thu 20	2:31p	1.8	12:30a	0.1
Fri 21	3:12p	1.7	12:33a	0.3
Sat 22	3:55p	1.5	12:22a	0.4
Sun 23	7:13a	1.1	12:04a	0.6
Mon 24	6:38a	1.3	12:52p	0.9
Tue 25	6:31a	1.5	3:24p	0.7
Wed 26	6:43a	1.7	6:47p	0.5
Thu 27	7:12a	1.8	7:48p	0.3
Fri 28	7:57a	2.0	8:41p	0.0
Sat 29	9:01a	2.1	9:31p	-0.2
Sun 30	10:19a	2.2	10:21p	-0.3
Mon 31	11:34a	2.3	11:08p	-0.3

## AUGUST

DATE	HIGH TIDE		LOW TIDE	
	Time	Height	Time	Height
Tue 1	12:40p	2.3	11:53p	-0.3
Wed 2	1:42p	2.2	-----	---
Thu 3	2:44p	2.0	12:32a	0.0
Fri 4	3:54p	1.7	12:58a	0.3
Sat 5	7:10a	1.0	12:34a	0.6
Sun 6	5:15p	1.4	9:55a	0.9
Mon 7	-----	---	11:30p	0.9
Tue 8	5:58a	1.2	11:48a	0.8
Wed 9	7:05p	1.1	10:25p	1.0
Thu 10	5:16a	1.5	2:15p	0.7
Fri 11	5:33a	1.8	5:39p	0.5
Sat 12	6:07a	2.0	7:11p	0.3
Mon 13	6:50a	2.0	8:59p	0.2
Tue 14	7:43a	2.0	8:59p	0.2
Wed 15	8:48a	2.0	9:39p	0.1
Thu 16	9:50a	2.0	10:15p	0.1
Fri 17	10:57a	2.0	10:43p	0.2
Sat 18	11:20a	2.0	10:43p	0.2
Mon 19	11:51p	1.9	11:03p	0.3
Tue 20	1:05p	1.9	11:11p	0.4
Wed 21	1:51p	1.7	11:06p	0.6
Thu 22	2:43p	1.6	10:52p	0.7
Fri 23	3:50p	1.4	10:35p	0.9
Sat 24	4:58a	1.3	10:34a	0.9
Mon 25	5:16p	1.3	10:14p	1.0
Tue 26	4:47a	1.5	11:33a	0.8
Wed 27	5:07a	1.8	12:45p	0.7
Thu 28	5:41a	2.0	5:57p	0.4
Fri 29	6:27a	2.1	7:24p	0.2
Sat 30	7:26a	2.2	8:24p	0.0
Mon 31	8:43a	2.2	9:14p	-0.1
Tue 1	10:16a	2.3	9:59p	-0.1
Wed 2	11:41a	2.1	10:39p	0.0
Thu 3	12:56p	2.2	11:14p	0.3
Fri 4	2:15p	1.9	11:30p	0.6

# 2023 PREDICTED TIDES, MOUTH OF THE MOBILE RIVER

## SEPTEMBER

DATE	HIGH TIDE		LOW TIDE	
	Time	Height	Time	Height
Fri 1	5:51a	1.0	8:06a	1.0
Sat 1	3:56p	1.6	10:43p	1.0
Sat 2	4:33a	1.2	9:44a	0.8
Sun 2	5:48p	1.4	9:51p	1.2
Sun 3	2:59a	1.5	11:02a	0.6
Mon 4	3:13a	1.8	12:28p	0.5
Tue 5	3:49a	2.0	2:34p	0.5
Wed 6	4:33a	2.1	4:44p	0.4
Thu 7	5:20a	2.1	6:24p	0.4
Fri 8	6:13a	2.1	7:34p	0.3
Sat 9	7:11a	2.0	8:24p	0.3
Sun 10	8:20a	1.9	9:01p	0.3
Mon 11	9:46a	1.9	9:28p	0.4
Tue 12	11:11a	1.8	9:44p	0.5
Wed 13	12:18p	1.7	9:46p	0.7
Thu 14	1:22p	1.5	9:34p	0.9
Fri 15	3:54a	1.2	8:29a	1.0
Sat 16	2:54a	1.4	9:23a	0.9
Sun 17	2:33a	1.5	10:06a	0.7
Mon 18	2:37a	1.7	10:48a	0.6
Tue 19	2:56a	1.9	11:38a	0.5
Wed 20	3:27a	2.0	12:57p	0.4
Thu 21	4:09a	2.1	3:41p	0.4
Fri 22	5:00a	2.2	5:39p	0.2
Sat 23	5:59a	2.2	6:51p	0.1
Sun 24	7:04a	2.2	7:49p	0.1
Mon 25	8:23a	2.1	8:37p	0.1
Tue 26	10:10a	2.0	9:16p	0.3
Wed 27	12:03p	1.8	9:43p	0.6
Thu 28	1:52p	1.6	9:33p	1.0
Fri 29	2:54a	1.1	8:09a	0.8
Sat 30	4:09p	1.4	8:30p	1.2
Sat 30	1:10a	1.4	9:25a	0.6

## OCTOBER

DATE	HIGH TIDE		LOW TIDE	
	Time	Height	Time	Height
Sun 1	1:04a	1.7	10:27a	0.4
Mon 2	1:34a	2.0	11:30a	0.3
Tue 3	2:13a	2.1	12:52p	0.2
Wed 4	2:58a	2.2	2:43p	0.3
Thu 5	3:49a	2.2	4:13p	0.3
Fri 6	4:43a	2.1	5:29p	0.3
Sat 7	5:39a	2.0	6:31p	0.3
Sun 8	6:34a	1.8	7:16p	0.4
Mon 9	7:32a	1.7	7:45p	0.5
Tue 10	8:46a	1.5	7:56p	0.6
Wed 11	11:00a	1.3	7:46p	0.8
Thu 12	2:13a	1.2	7:27a	1.0
Fri 13	1:14a	1.3	8:27a	0.8
Sat 14	12:46a	1.5	9:08a	0.6
Sun 15	12:46a	1.7	9:43a	0.4
Mon 16	1:00a	1.8	10:20a	0.2
Tue 17	1:25a	2.0	11:06a	0.1
Wed 18	2:00a	2.1	12:20p	0.1
Thu 19	2:44a	2.1	2:22p	0.0
Fri 20	3:37a	2.1	3:50p	0.0
Sat 21	4:36a	2.1	4:59p	-0.1
Sun 22	5:36a	2.0	5:58p	0.0
Mon 23	6:36a	1.9	6:47p	0.1
Tue 24	7:42a	1.6	7:20p	0.4
Wed 25	10:28a	1.3	7:12p	0.7
Thu 26	1:39a	1.1	6:35a	0.8
Fri 27	1:40p	1.1	5:56p	1.0
Sat 28	12:30a	1.2	8:15a	0.5
Sun 29	11:37p	1.5	-----	---
Sat 28	11:49p	1.8	9:14a	0.2
Sun 29	-----	---	10:55a	-0.1
Mon 30	12:19a	2.0	10:58a	0.0
Tue 31	12:57a	2.1	12:04p	-0.1

## NOVEMBER

DATE	HIGH TIDE		LOW TIDE	
	Time	Height	Time	Height
Wed 1	1:40a	2.1	1:25p	-0.1
Thu 2	2:27a	2.0	2:39p	-0.1
Fri 3	3:19a	1.9	3:36p	0.0
Sat 4	4:11a	1.8	4:22p	0.0
Sun 5*	3:59a	1.6	3:55p	0.1
Mon 6	4:40a	1.5	4:11p	0.3
Tue 7	5:09a	1.2	4:05p	0.5
Wed 8	12:23a	1.1	3:31p	0.6
Thu 9	11:20p	1.1	-----	---
Thu 9	10:31p	1.2	7:46a	0.7
Fri 10	10:15p	1.4	7:34a	0.4
Sat 11	10:23p	1.6	7:57a	0.1
Sun 12	10:44p	1.8	8:27a	-0.1
Mon 13	11:15p	1.9	9:05a	-0.2
Tue 14	11:52p	2.0	9:57a	-0.3
Wed 15	-----	---	11:08a	-0.4
Thu 16	12:37a	2.0	12:29p	-0.5
Fri 17	1:28a	2.0	1:35p	-0.5
Sat 18	2:23a	1.9	2:28p	-0.5
Sun 19	3:18a	1.8	3:10p	-0.3
Mon 20	4:08a	1.6	3:36p	-0.1
Tue 21	4:49a	1.2	3:27p	0.2
Wed 22	11:57p	0.9	-----	---
Thu 23	10:47p	1.2	7:37a	0.4
Fri 24	9:19p	1.5	7:41a	0.1
Sat 25	9:40p	1.7	8:13a	-0.2
Sun 26	10:15p	1.8	8:53a	-0.4
Mon 27	10:55p	1.9	9:40a	-0.5
Tue 28	11:38p	1.9	10:34a	-0.6
Wed 29	-----	---	11:32a	-0.6
Thu 30	12:24a	1.8	12:27p	-0.5

\*Times are shown in Central Standard Time beginning 2:00 a.m. Sunday, November 6.

## DECEMBER

DATE	HIGH TIDE		LOW TIDE	
	Time	Height	Time	Height
Fri 1	1:10a	1.7	1:11p	-0.5
Sat 2	1:56a	1.6	1:43p	-0.4
Sun 3	2:37a	1.4	2:01p	-0.2
Mon 4	3:08a	1.2	2:04p	-0.1
Tue 5	3:10a	0.9	1:47p	0.1
Wed 6	10:57p	0.8	-----	---
Thu 7	8:49p	0.9	12:57p	0.2
Fri 8	8:45p	1.1	9:18a	0.2
Sat 9	9:03p	1.4	7:40a	0.0
Sun 10	9:32p	1.7	7:41a	-0.2
Mon 11	10:11p	1.6	8:08a	-0.4
Tue 12	10:55p	1.8	8:39a	-0.7
Wed 13	11:44p	1.8	10:37a	-0.8
Thu 14	-----	---	11:37a	-0.9
Fri 15	12:34a	1.8	12:30p	-0.9
Sat 16	1:25a	1.7	1:13p	-0.8
Sun 17	2:15a	1.6	1:44p	-0.6
Mon 18	2:59a	1.3	1:51p	-0.3
Tue 19	3:28a	0.9	1:19p	0.0
Wed 20	8:39p	0.6	-----	---
Thu 21	7:46p	1.1	7:33a	0.0
Fri 22	7:54p	1.3	7:27a	-0.3
Sat 23	8:29p	1.5	7:55a	-0.6
Sun 24	9:09p	1.6	8:32a	-0.7
Mon 25	9:56p	1.6	9:15a	-0.8
Tue 26	10:45p	1.6	9:59a	-0.8
Wed 27	11:32p	1.6	10:44a	-0.8
Thu 28	-----	---	11:25a	-0.8
Fri 29	12:16a	1.5	11:57a	-0.7
Sat 30	12:57a	1.4	12:17p	-0.6
Sun 31	1:34a	1.2	12:24p	-0.5

**STORM**tracker Weather Team

# ALERTING YOU FIRST



**Matt Barrentine**  
Meteorologist

**Michael White**  
Meteorologist

**Jennifer Lambers**  
Meteorologist

**Jason Smith**  
Chief Meteorologist

**FOX10**  
**NEWS**

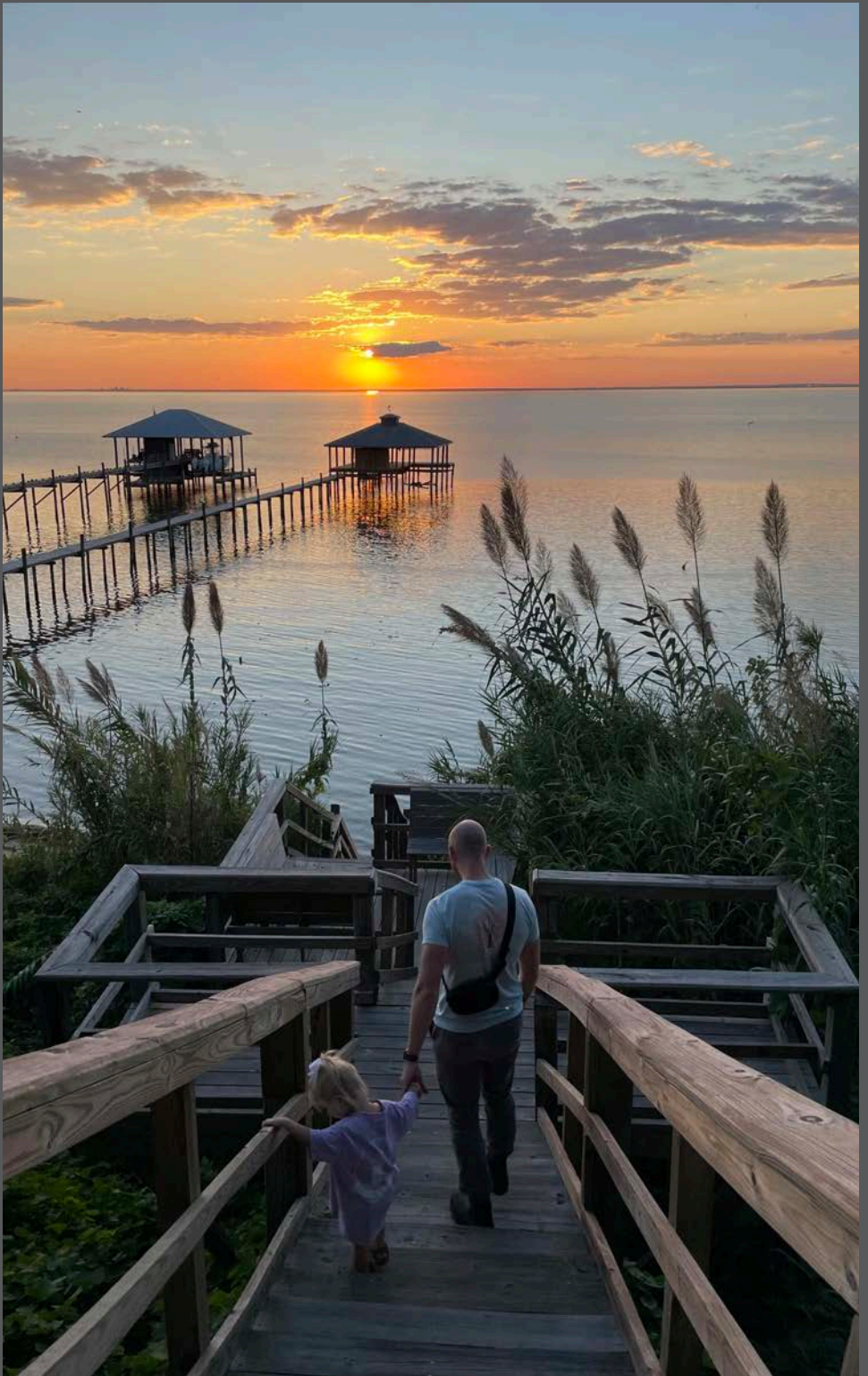


Photo courtesy of Kristin Harris