



The 2021 Monroe, LA Weather Calendar



National
Weather
Service

Sponsored by your National Weather Service in Shreveport, LA

www.weather.gov/shv

The Shreveport National Weather Service

County Warning and Forecast Area



The National Weather Service Weather Forecast Office in Shreveport has forecast and warning responsibility for a total of **48 counties and parishes** over the four state area of Southeast Oklahoma, Southwest Arkansas, East Texas, and North & Central Louisiana.



The Shreveport National Weather Service Office



Weather observers began taking observations in 1871. By 1891, Shreveport became an official U.S. Weather Bureau Office in downtown Shreveport, and by 1940 the Weather Bureau was transferred to the Department of Commerce. Through the years, the Weather Service has gone from one daily surface weather map, to hourly weather observations, twice daily upper air observations, radar and satellite observations, and computer models. The National Weather Service in Shreveport is now located on Hollywood Avenue in Shreveport, LA, which is the 14th location in 140+ years of operation. Doppler Radar and the Upper-Air equipment are collocated with the office. Being on the fringe of tornado alley, the National Weather Service in Shreveport has been at the forefront of service to the public, and this will continue as new, cutting-edge technology becomes integrated into the forecast and warning process. We are constantly working with our partners to build a more resilient and Weather Ready Nation.



January 06, 2017 Winter Weather

An arctic air mass began to spill southward across the region during the morning hours on January 6th. An upper level disturbance then moved across the Red River Valley resulting in the development of light snow across much of SE Oklahoma, Extreme NE Texas, and SW Arkansas. Accumulating snow amounts ranged from around 0.5 inches or less across portions of Northeast Texas to between 1-2 inches across SE Oklahoma and SW Arkansas. A separate area of weak overrunning of warmer air atop the arctic cold front resulted in areas of sleet mixed with light freezing rain and light snow over portions of Deep East Texas...Northcentral, Northeast, and Central Louisiana. Freezing rain accumulations were less than one tenth of an inch and sleet accumulations were generally less than one-quarter inch. These light snow and ice accumulations resulted in hazardous travel conditions.



January 6, 2017 Snow
Nashville, AR
(photo courtesy of Susan Wright via KTAL Facebook)



January 6, 2017 Sleet
Monroe, LA



January 6, 2017 Sleet
Hemphill, TX
(photo courtesy of Drew White via KTRE Facebook)



January 6, 2017 Snow
Horatio, AR
(photo courtesy of Leah Nicole via KDQN Facebook)

January 2021

National Weather Service Shreveport

www.weather.gov/shv

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
	January Rainfall Avg. 5.17"/10 days driest 0.52" / in 2003 wettest 14.21/1932			Normals: High/Low Record: High-Year Record: Low-Year Sunrise Sunset Monroe, LA.	1 57 / 36 80-1952 16-1977 sr 7:10 AM ss 5:14 PM  New Year's Day	2 57 / 36 79-1952 15-2001 sr 7:10 AM ss 5:15 PM
3 57 / 35 78-2000 14-2001 sr 7:10 AM ss 5:16 PM	4 57 / 35 80-1997 17-2002 sr 7:10 AM ss 5:17 PM	5 57 / 35 76-2005 18-1969 sr 7:10 AM ss 5:17 PM	6 57 / 35 78-1989 19-2014 sr 7:10 AM ss 5:18 PM  Last Quarter	7 57 / 35 76-1989 13-2014 sr 7:10 AM ss 5:19 PM	8 57 / 35 77-1937 15-1976 sr 7:10 AM ss 5:20 PM	9 57 / 35 80-1957 10-1971 sr 7:10 AM ss 5:21 PM
10 57 / 35 81-1963 5-1962 sr 7:10 AM ss 5:22 PM	11 57 / 35 80-2017 1-1962 sr 7:10 AM ss 5:23 PM	12 57 / 35 81-2017 -1-1962 sr 7:10 AM ss 5:23 PM	13 57 / 35 80-1972 10-1962 sr 7:10 AM ss 5:24 PM  New Moon	14 57 / 35 77-1949 5-1982 sr 7:10 AM ss 5:25 PM	15 57 / 35 79-1952 14-1963 sr 7:09 AM ss 5:26 PM	16 57 / 35 79-1936 13-1963 sr 7:09 AM ss 5:27 PM
17 57 / 35 80-1936 12-1982 sr 7:09 AM ss 5:28 PM	18 57 / 35 78-1950 9-1930 sr 7:09 AM ss 5:29 PM  Martin Luther King Jr. Day	19 57 / 36 82-1935 13-1977 sr 7:08 AM ss 5:30 PM	20 57 / 36 81-2012 8-1985 sr 7:08 AM ss 5:31 PM  First Quarter	21 58 / 36 80-1999 8-1985 sr 7:08 AM ss 5:32 PM	22 58 / 36 80-1938 15-1935 sr 7:07 AM ss 5:33 PM	23 58 / 36 79-2002 13-1963 sr 7:07 AM ss 5:34 PM  National Pie Day
24 58 / 36 82-1972 7-1963 sr 7:06 AM ss 5:35 PM	25 58 / 36 81-1950 13-1963 sr 7:06 AM ss 5:35 PM	26 58 / 36 78-1952 21-1985 sr 7:05 AM ss 5:36 PM	27 58 / 36 80-1975 16-1963 sr 7:05 AM ss 5:37 PM	28 58 / 36 79-1975 13-1963 sr 7:04 AM ss 5:38 PM  Full Moon	29 58 / 36 80-1987 16-2014 sr 7:03 AM ss 5:39 PM	30 59 / 36 78-2002 12-1966 sr 7:03 AM ss 5:40 PM
31 59 / 37 81-2002 14-1949 sr 7:02 AM ss 5:41 PM						

MARK TRAIL CHAMPIONS
NOAA WEATHER RADIO-
THE VOICE OF THE NATIONAL WEATHER
SERVICE



Mark Trail image courtesy of North America Syndicate, Inc., World Rights Reserved

Time to dust off your

Hazardous Weather can happen

ANYTIME!!!

A weekly test is broadcast every
Wednesday between the hours of 11
a.m. and Noon, unless severe weather
is in the area.

The test is then postponed until the
next good weather day.



A lot has
changed
over the
years, but

1950s

Sirens

1970s



1990s

Then our
cell
phones
fit right
in for



2010s



hand-held
revolution in this
"Polygon era".



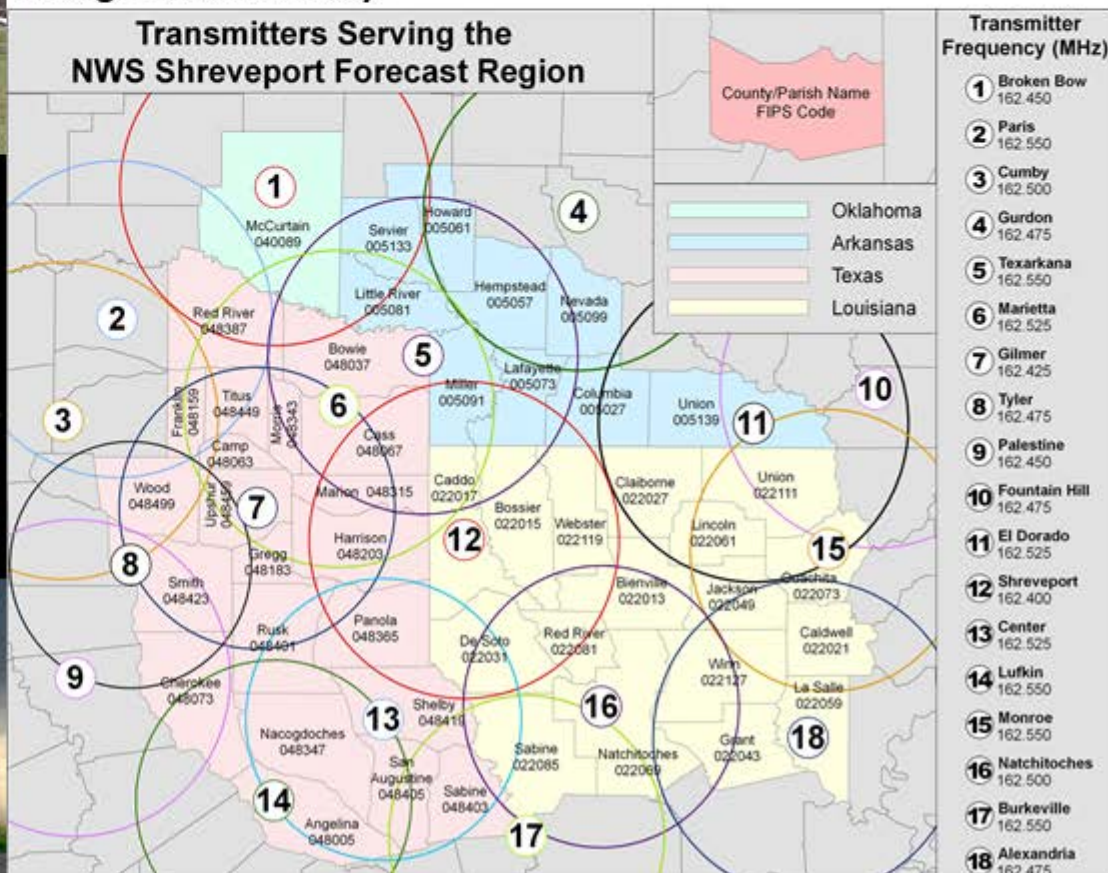
when seconds count...
you still can't beat a



National Weather Service - Shreveport



Transmitters Serving the NWS Shreveport Forecast Region



February 2021

National Weather Service Shreveport

www.weather.gov/shv

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
	1 59 / 37 80-1989 11-1949 sr 7:01 AM ss 5:42 PM	2 59 / 37 80-1995 -2-1951 sr 7:01 AM ss 5:43 PM  <i>Groundhog Day</i>	3 59 / 37 78-1932 3-1951 sr 7:00 AM ss 5:44 PM	4 59 / 37 83-1957 12-1996 sr 6:59 AM ss 5:45 PM  <i>Last Quarter</i>	5 60 / 37 81-1957 16-1996 sr 6:58 AM ss 5:46 PM  <i>National Weather Person's Day!!!!</i>	6 60 / 38 81-1963 22-1984 sr 6:58 AM ss 5:47 PM
7 60 / 38 84-2017 20-1988 sr 6:57 AM ss 5:48 PM	8 60 / 38 83-2017 12-1933 sr 6:56 AM ss 5:48 PM	9 60 / 38 86-1932 15-1933 sr 6:55 AM ss 5:49 PM	10 60 / 38 85-1932 20-1971 sr 6:54 AM ss 5:50 PM	11 61 / 39 83-2017 16-1981 sr 6:53 AM ss 5:51 PM  <i>New Moon</i>	12 61 / 39 82-1962 20-1981 sr 6:52 AM ss 5:52 PM	13 61 / 39 83-1962 21-1958 sr 6:51 AM ss 5:53 PM
14 61 / 39 82-1949 20-1960 sr 6:50 AM ss 5:54 PM  <i>Valentine's Day</i>	15 62 / 39 83-1989 22-1963 sr 6:49 AM ss 5:55 PM  <i>President's Day</i>	16 62 / 40 82-1956 25-2007 sr 6:48 AM ss 5:55 PM	17 62 / 40 82-1938 22-1963 sr 6:47 AM ss 5:56 PM	18 62 / 40 83-2009 13-1936 sr 6:46 AM ss 5:57 PM	19 63 / 40 81-1986 22-1936 sr 6:45 AM ss 5:58 PM  <i>First Quarter</i>	20 63 / 41 82-1986 23-1978 sr 6:44 AM ss 5:59 PM
21 63 / 41 82-1980 24-1978 sr 6:43 AM ss 6:00 PM	22 63 / 41 84-1996 18-1963 sr 6:42 AM ss 6:01 PM	23 64 / 41 89-2012 23-1963 sr 6:41 AM ss 6:01 PM	24 64 / 42 83-2000 23-1989 sr 6:40 AM ss 6:02 PM	25 64 / 42 86-1977 22-1965 sr 6:39 AM ss 6:03 PM	26 64 / 42 83-1986 24-1960 sr 6:37 AM ss 6:04 PM	27 65 / 42 85-2011 22-2002 sr 6:36 AM ss 6:05 PM  <i>Full Moon</i>
28 65 / 43 85-1932 20-2002 sr 6:35 AM ss 6:05 PM	Normals: High/Low Record: High-Year Record: Low-Year Sunrise Sunset Monroe, LA.	<i>February Rainfall</i> Avg. 4.75"/9 days driest: 0.74"/2009 wettest: 11.04/1956			<u>NOAA Weather Radio Frequencies</u> Shreveport LA 162.400 Gilmer TX 162.425 Broken Bow OK 162.450 Tyler TX 162.475 Natchitoches TX 162.500 Center TX, Marietta TX 162.525 El Dorado AR 162.525 Lufkin TX, Texarkana TX 162.550 Monroe LA 162.550	

Spring Forward

**Daylight Saving Time Begins
2:00 AM on March 14, 2021
(Set Clocks Ahead One Hour)**

- Check your batteries in your smoke and carbon monoxide detectors
- Test and replace the batteries in your NOAA Weather Radio



March 2021

National Weather Service Shreveport

www.weather.gov/shv

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
	1 65 / 43 86-2012 24-1986 sr 6:34 AM ss 6:06 PM	2 66 / 43 84-2012 22-1980 sr 6:33 AM ss 6:07 PM	3 66 / 43 82-1963 24-2002 sr 6:32 AM ss 6:08 PM	4 66 / 44 85-1963 18-2002 sr 6:30 AM ss 6:08 PM	5 66 / 44 84-1955 19-1978 sr 6:29 AM ss 6:09 PM	6 67 / 44 88-1956 22-2015 sr 6:28 AM ss 6:10 PM  <i>Last Quarter</i>
7 67 / 44 84-1992 24-2015 sr 6:27 AM ss 6:11 PM	8 67 / 45 83-1974 25-1996 sr 6:25 AM ss 6:12 PM	9 68 / 45 84-2000 18-1996 sr 6:24 AM ss 6:12 PM	10 68 / 45 86-1986 21-1996 sr 6:23 AM ss 6:13 PM	11 68 / 45 89-1955 24-1969 sr 6:22 AM ss 6:14 PM	12 69 / 45 89-1963 25-1948 sr 6:20 AM ss 6:14 PM	13 69 / 46 89-1963 24-1948 sr 6:19 AM ss 6:15 PM  <i>New Moon</i>
14 69 / 46 87-1933 25-1993 sr 7:18 AM ss 7:16 PM  <i>Daylight Saving Time Begins</i>	15 69 / 46 88-1936 29-1988 sr 7:16 AM ss 7:17 PM	16 70 / 46 85-1963 30-1954 sr 7:15 AM ss 7:17 PM	17 70 / 47 91-1963 29-1978 sr 7:14 AM ss 7:18 PM  <i>St. Patrick's Day</i>	18 70 / 47 89-1982 30-1960 sr 7:13 AM ss 7:19 PM	19 71 / 47 90-1982 28-1965 sr 7:11 AM ss 7:19 PM	20 71 / 47 89-1935 22-1965 sr 7:10 AM ss 7:20 PM  <i>Spring Equinox at 4:37 a.m. CDT</i>
21 71 / 47 88-1935 20-1965 sr 7:09 AM ss 7:21 PM  <i>First Quarter</i>	22 72 / 48 89-1995 27-1986 sr 7:07 AM ss 7:22 PM	23 72 / 48 87-1995 29-1963 sr 7:06 AM ss 7:22 PM  <i>World Meteorological Day</i>	24 72 / 48 88-1936 30-1968 sr 7:05 AM ss 7:23 PM	25 72 / 48 89-1935 29-1966 sr 7:03 AM ss 7:24 PM	26 73 / 48 88-2020 27-1955 sr 7:02 AM ss 7:24 PM	27 73 / 49 91-2020 26-2013 sr 7:01 AM ss 7:25 PM
28 73 / 49 87-1997 32-2013 sr 7:00 AM ss 7:26 PM  <i>Full Moon</i>	29 74 / 49 89-1974 30-1955 sr 6:58 AM ss 7:27 PM	30 74 / 49 90-1963 32-1964 sr 6:57 AM ss 7:27 PM	31 74 / 49 91-1974 29-1987 sr 6:56 AM ss 7:28 PM	Normals: High /Low Record: High -Year Record: Low-Year Sunrise Sunset Monroe, LA.	<i>March Rainfall</i> Avg. 5.15"/10 days driest: 0.72"/1966 wettest: 24.38"/2016	

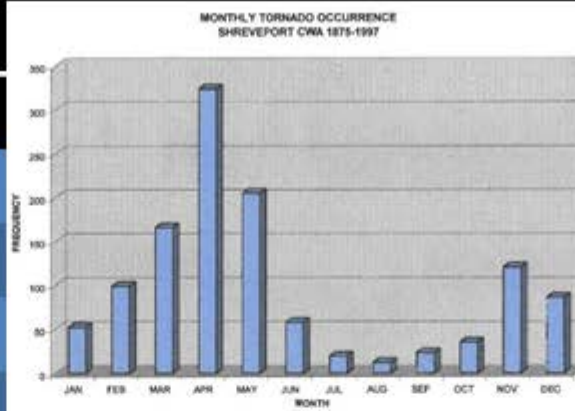
Enhanced Fujita Scale (EF-Scale)

EF Number Max. Est. Wind Gusts

0	65-85 mph
1	86-110 mph
2	111-135 mph
3	136-165 mph
4	166-200 mph
5	Over 200 mph



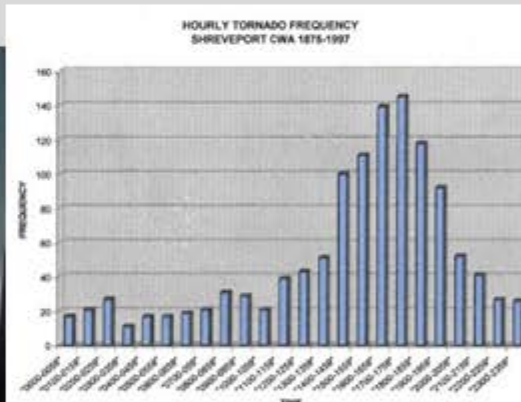
Dr. Ted Fujita, who developed the Fujita Scale, is conducting a storm damage survey with Ernest Ethridge, OIC of the WFOSHV, following the Dec. 3, 1978 devastating EF-4 Bossier City tornado.



11/05/18- EF-2 tornado damage near Marthville LA

Our four state area sees most tornadoes in April & late day, from 3 to 9 p.m.

01/21/17- EF-2 tornado near Natchez, LA
(photo courtesy of Sam Dierst)



HOW STRONG WAS THAT TORNADO?

Meteorologists are deployed from the National Weather Service to investigate areas where a tornado is thought to have occurred based on damage reports, storm spotter reports and radar indications. First, the type of damage is determined from a list of 28 Damage Indicators (DI). Examples include small barns, 1- or 2-family residences, retail buildings, and hardwood & softwood trees. Each DI is examined to determine the Degree of Damage, which is specific to the DI. This results in an EF-rating and an estimated range of peak wind speeds. If EF-4 or EF-5 damage is suspected, a second team is deployed to investigate the damage more closely and confirm the rating. Particular attention is paid to construction methods and materials when considering EF-4 or EF-5 ratings.

TORNADOES



April 2021

National Weather Service Shreveport

www.weather.gov/shv

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
	Normals: High/Low Record: High-Year Record: Low-Year Sunrise Sunset Monroe, LA.	April Rainfall Avg. 3.92"/8 days driest 0.06"/in 1954 wettest 18.45/1933		1 sr 6:54 AM ss 7:29 PM  April Fool's Day	2 sr 6:53 AM ss 7:29 PM Good Friday	3 sr 6:52 AM ss 7:30 PM
4 sr 6:51 AM ss 7:31 PM  Last Quarter Easter	5 sr 6:49 AM ss 7:31 PM	6 sr 6:48 AM ss 7:32 PM	7 sr 6:47 AM ss 7:33 PM	8 sr 6:46 AM ss 7:34 PM	9 sr 6:44 AM ss 7:34 PM	10 sr 6:43 AM ss 7:35 PM
11 sr 6:42 AM ss 7:36 PM	12 sr 6:41 AM ss 7:36 PM  New Moon	13 sr 6:39 AM ss 7:37 PM	14 sr 6:38 AM ss 7:38 PM	15 sr 6:37 AM ss 7:38 PM	16 sr 6:36 AM ss 7:39 PM	17 sr 6:35 AM ss 7:40 PM
18 sr 6:34 AM ss 7:41 PM	19 sr 6:32 AM ss 7:41 PM	20 sr 6:31 AM ss 7:42 PM  First Quarter	21 sr 6:30 AM ss 7:43 PM	22 sr 6:29 AM ss 7:43 PM  Earth Day	23 sr 6:28 AM ss 7:44 PM	24 sr 6:27 AM ss 7:45 PM
25 sr 6:26 AM ss 7:46 PM	26 sr 6:25 AM ss 7:46 PM	27 sr 6:24 AM ss 7:47 PM  Full Moon	28 sr 6:23 AM ss 7:48 PM	29 sr 6:22 AM ss 7:49 PM	30 sr 6:21 AM ss 7:49 PM	

Common Hail Sizes

Description Hail Size (in.)

Pea	$\frac{1}{4}$
Penny	$\frac{3}{4}$
Quarter	1
Half-Dollar	$1\frac{1}{4}$
Golf ball	$1\frac{3}{4}$
Tennis Ball	$2\frac{1}{2}$
Baseball	$2\frac{3}{4}$
Tea Cup	3
Softball	4
Grapefruit	$4\frac{1}{2}$

HAIL



May 10 2006, a "Tail-end Charlie" supercell T'storm produced this 4+ inch hail stone which fell in Rocky Branch. During this evening, other storms moving East produced baseball sized hail affecting many cities in NE LA in the MS river delta region.

April 2, 2017, a strong upper level system brought widespread severe weather across the region. Numerous reports of Tornadoes, Wind Damage, and large Hail was received across the area. The picture to the left (courtesy of Larrah Springer) shows quarter to half dollar size hail from Columbia, Louisiana.



Skywarn Spotter: Mack Redmond, KA5JNL
Location: Rocky Branch, LA
Date: May 10, 2006

Photo: David Gore, WS09G

How does large hail form inside of a maturing thunderstorm in a half hour?

Tiny liquid water droplets are carried high up in the cloud tops by the main updraft. Air temps drop about 5 degrees for every 1000 ft. up. By 50,000 ft up in "Overshooting" cloud tops, the air is 50-60 degrees colder and even below freezing in late Spring & Summer. The drops coalesce or merge as they freeze into what is called graupel (small ice pellets). Additional layers of water continue freeze on the growing hail, making several trips up and down in the storm, building ice layers for 10-20 minutes. By this time, the weight of the large hail is just too much for the updraft winds to support and it then falls to the Earth at speeds of 100 mph. The good news is that as these largest of hail stones fall into warming air and thus shrink a bit in size before impact. The updraft's strength is the key to hail sizes and is maximized with peak daytime heating and occurring potentially year round. Some hail forms in all T'storms thus making lightning through friction, like your slippers do in Winter.



May 2021

National Weather Service Shreveport

www.weather.gov/shv

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
	Normals: High/Low Record: High-Year Record: Low-Year Sunrise Sunset Monroe, LA.	May Rainfall Avg. 5.00"/9 days driest 0.46" /in 1933 wettest 18.45"/2015				1 sr 6:20 AM ss 7:50 PM 82 / 58 91-1987 41-2014
2 sr 6:19 AM ss 7:51 PM 82 / 59 91-2002 45-1976	3 sr 6:18 AM ss 7:51 PM 82 / 59 91-2010 41-2013  <i>Last Quarter</i>	4 sr 6:17 AM ss 7:52 PM 83 / 59 92-2012 39-2013	5 sr 6:16 AM ss 7:53 PM 83 / 60 93-1952 42-2013  <i>Cinco de Mayo</i>	6 sr 6:15 AM ss 7:54 PM 83 / 60 93-1952 47-2013	7 sr 6:15 AM ss 7:54 PM 83 / 60 93-2010 45-1992	8 sr 6:14 AM ss 7:55 PM 84 / 61 93-1963 47-1992
9 sr 6:13 AM ss 7:56 PM 84 / 61 93-2008 49-1992  <i>Mother's Day</i>	10 sr 6:12 AM ss 7:56 PM 84 / 61 92-1965 47-2020	11 sr 6:11 AM ss 7:57 PM 84 / 62 94-1963 47-1960  <i>New Moon</i>	12 sr 6:11 AM ss 7:58 PM 85 / 62 93-2010 45-1960	13 sr 6:10 AM ss 7:59 PM 85 / 62 99-1932 46-1960	14 sr 6:09 AM ss 7:59 PM 85 / 62 94-1984 48-1954	15 sr 6:09 AM ss 8:00 PM 85 / 63 94-1995 45-2014
16 sr 6:08 AM ss 8:01 PM 85 / 63 94-1963 47-1973	17 sr 6:07 AM ss 8:01 PM 86 / 63 94-1988 47-2011	18 sr 6:07 AM ss 8:02 PM 86 / 64 95-1998 51-2009	19 sr 6:06 AM ss 8:03 PM 86 / 64 95-1978 45-2002  <i>First Quarter</i>	20 sr 6:06 AM ss 8:03 PM 86 / 64 98-1978 47-2002	21 sr 6:05 AM ss 8:04 PM 87 / 64 98-1978 48-1954  <i>Bike to Work Day</i>	22 sr 6:05 AM ss 8:05 PM 87 / 65 94-1970 52-2015
23 sr 6:04 AM ss 8:05 PM 87 / 65 96-1996 50-1963	24 sr 6:04 AM ss 8:06 PM 87 / 65 95-2010 49-1931	25 sr 6:03 AM ss 8:07 PM 88 / 65 95-1996 50-2017	26 sr 6:03 AM ss 8:07 PM 88 / 66 97-1963 53-1979  <i>Full Moon</i>	27 sr 6:03 AM ss 8:08 PM 88 / 66 97-1964 50-1961	28 sr 6:02 AM ss 8:09 PM 88 / 66 95-2012 47-1961	29 sr 6:02 AM ss 8:09 PM 88 / 66 97-1989 55-1973
30 sr 6:02 AM ss 8:10 PM 89 / 67 98-1977 50-1984	31 sr 6:01 AM ss 8:10 PM Memorial Day 89 / 67 104-1998 50-1984					

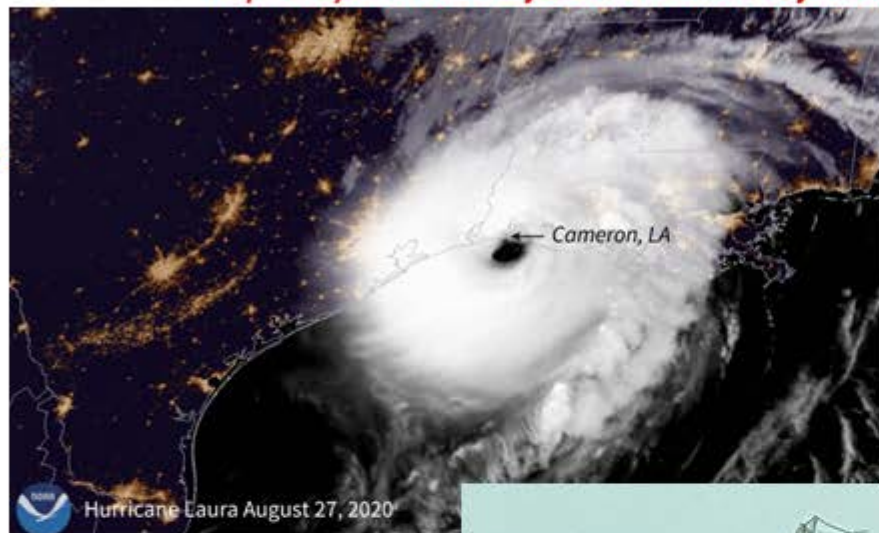


2021 Hurricane Names



Tropical Cyclone season for the Atlantic runs from June 1st through November 30th

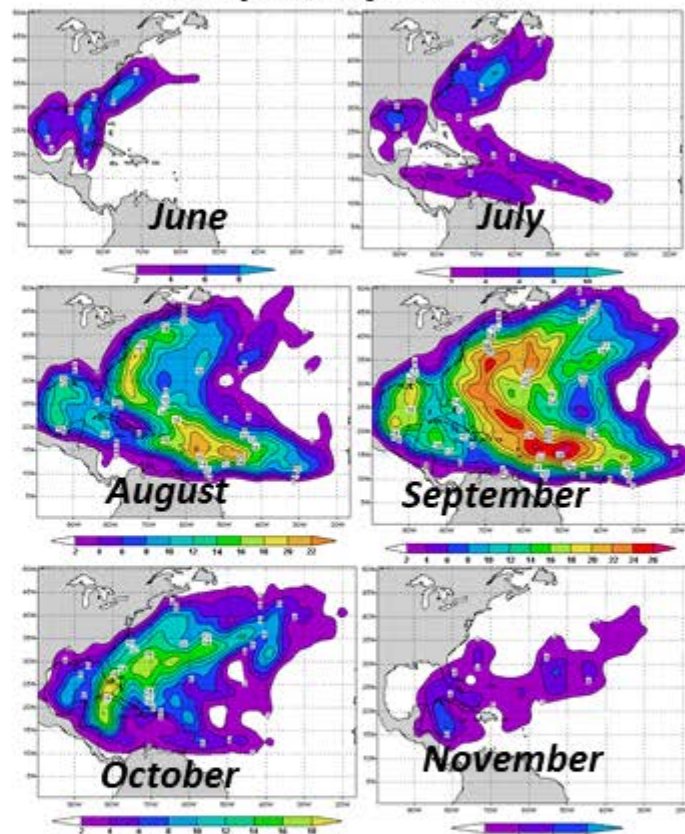
Ana
Bill
Claudette
Danny
Elsa
Fred
Grace
Henri
Ida
Julian
Kate
Larry
Mindy
Nicholas
Odette
Peter
Rose
Sam
Teresa
Victor
Wanda



Category 4 Hurricane
Laura made landfall
with 150-MPH winds.
These strong winds
destroyed the Lake
Charles Doppler Radar



Hot spots by month



Category classifications based on wind speed of hurricanes

Cat 1	Cat 2	Cat 3	Cat 4	Cat 5
74-95 mph	96-110 mph	111-129 mph	130-156 mph	157+mph

- **Tropical Depressions** form & are given a number when cyclonic surface winds are developing & are less still less than 39 mph.
- **Tropical Storms** are named when the surface wind speeds reach 39 mph or more .
- **Hurricanes** assume the named tropical storm when surface winds reach 74 mph or more.

June 2021

National Weather Service Shreveport

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SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
Normals: High/Low Record: High-Year Record: Low-Year Sunrise Sunset Monroe, LA 	<i>June Rainfall</i> Avg. 5.40"/ 19 days <i>Driest: 0.13" in '88</i> <i>Wettest: 17.11" '89</i>	1 89 / 67 103-1998 51-1984 sr 6:01 AM ss 8:11 PM *Hurricane Season Starts Today*	2 89 / 67 101-2011 54-1993 sr 6:01 AM ss 8:12 PM  <i>Last Quarter</i>	3 90 / 67 100-2011 53-1970 sr 6:01 AM ss 8:12 PM	4 90 / 68 102-2011 54-1954 sr 6:00 AM ss 8:13 PM	5 90 / 68 102-2011 54-1954 sr 6:00 AM ss 8:13 PM
6 90 / 68 102-1977 57-1970 sr 6:00 AM ss 8:14 PM	7 90 / 68 100-1972 55-2000 sr 6:00 AM ss 8:14 PM	8 90 / 68 99-1963 52-1977 sr 6:00 AM ss 8:15 PM	9 91 / 69 102-1963 54-1930 sr 6:00 AM ss 8:15 PM	10 91 / 69 100-1977 54-1930 sr 6:00 AM ss 8:15 PM  <i>New Moon</i>	11 91 / 69 102-1963 53-1988 sr 6:00 AM ss 8:16 PM	12 91 / 69 101-2011 54-1988 sr 6:00 AM ss 8:16 PM
13 91 / 69 101-2011 54-1985 sr 6:00 AM ss 8:17 PM	14 91 / 70 102-2011 57-1985 sr 6:00 AM ss 8:17 PM  <i>Flag Day</i>	15 92 / 70 104-1963 55-1933 sr 6:00 AM ss 8:17 PM	16 92 / 70 102-1936 55-1933 sr 6:00 AM ss 8:18 PM	17 92 / 70 101-2011 58-1969 sr 6:01 AM ss 8:18 PM	18 92 / 70 104-2011 56-1960 sr 6:01 AM ss 8:18 PM  <i>First Quarter</i>	19 92 / 70 103-2011 58-1960 sr 6:01 AM ss 8:18 PM
20 92 / 71 107-1936 57-1965 sr 6:01 AM ss 8:19 PM Father's Day Summer Solstice at 10:32p.m.CDT	21 92 / 71 102-1953 60-1976 sr 6:01 AM ss 8:19 PM	22 93 / 71 103-1953 61-1976 sr 6:02 AM ss 8:19 PM	23 93 / 71 101-2009 59-1992 sr 6:02 AM ss 8:19 PM	24 93 / 71 100-1954 62-1974 sr 6:02 AM ss 8:19 PM  <i>Full Moon</i>	25 93 / 71 102-1969 56-1974 sr 6:03 AM ss 8:19 PM	26 93 / 71 108-1931 58-1974 sr 6:03 AM ss 8:19 PM
27 93 / 71 103-2009 59-1974 sr 6:03 AM ss 8:19 PM	28 93 / 71 102-2010 60-2006 sr 6:04 AM ss 8:19 PM	29 93 / 72 102-1988 62-2006 sr 6:04 AM ss 8:19 PM	30 93 / 72 102-2011 63-1938 sr 6:04 AM ss 8:19 PM	* Hurricane season in the North Atlantic runs from June 1st through November 30th. On average there will be 12 cyclones with 6 becoming hurricanes. The most storms in one season was 28 in 2005 with 15 of them becoming hurricanes, also a record. *		Scan this QR Code to learn more about Hurricane Preparedness 



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July 2021

National Weather Service Shreveport

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SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
	Normals: High/Low Record: High-Year Record: Low-Year Sunrise Sunset Monroe, LA.	July Rainfall <i>Avg. 4.32"/9 days</i> <i>driest: 0.46"/1984</i> <i>wettest: 18.45"/1933</i>		1 93 / 72 104-1954 62-1950 sr 6:05 AM ss 8:19 PM  <i>Last Quarter</i>	2 94 / 72 102-2011 62-2008 sr 6:05 AM ss 8:19 PM	3 94 / 72 103-1933 63-2013 sr 6:06 AM ss 8:19 PM
4 94 / 72 102-1933 63-2013 sr 6:06 AM ss 8:19 PM  <i>Independence Day</i>	5 94 / 72 100-1977 62-2013 sr 6:07 AM ss 8:19 PM	6 94 / 72 103-1954 60-1972 sr 6:07 AM ss 8:19 PM	7 94 / 72 101-1980 58-1972 sr 6:08 AM ss 8:19 PM	8 94 / 72 100-2011 63-1950 sr 6:08 AM ss 8:18 PM	9 94 / 72 101-1998 66-1956 sr 6:09 AM ss 8:18 PM	10 94 / 72 103-1969 66-1983 sr 6:09 AM ss 8:18 PM  <i>New Moon</i>
11 94 / 72 105-1930 64-1963 sr 6:10 AM ss 8:18 PM	12 94 / 72 107-1930 65-1972 sr 6:10 AM ss 8:17 PM	13 94 / 72 106-1930 62-1973 sr 6:11 AM ss 8:17 PM	14 94 / 72 103-1980 61-1967 sr 6:12 AM ss 8:16 PM	15 94 / 72 103-1980 56-1990 sr 6:12 AM ss 8:16 PM	16 94 / 72 105-1954 58-1967 sr 6:13 AM ss 8:16 PM	17 94 / 72 104-1980 65-2014 sr 6:13 AM ss 8:15 PM  <i>First Quarter</i>
18 94 / 72 103-1980 64-1967 sr 6:14 AM ss 8:15 PM	19 94 / 72 102-2006 63-2009 sr 6:15 AM ss 8:14 PM	20 94 / 72 102-2000 62-1984 sr 6:15 AM ss 8:14 PM	21 94 / 72 102-2008 62-1971 sr 6:16 AM ss 8:13 PM	22 94 / 72 102-1963 66-2007 sr 6:17 AM ss 8:12 PM	23 94 / 72 103-1934 63-2007 sr 6:17 AM ss 8:12 PM  <i>National Vanilla Ice Cream Day</i>	24 94 / 72 102-1954 63-2019 sr 6:18 AM ss 8:11 PM  <i>Full Moon</i>
25 94 / 72 102-1948 63-2000 sr 6:19 AM ss 8:11 PM	26 94 / 72 101-1930 62-2000 sr 6:19 AM ss 8:10 PM	27 95 / 72 104-1934 65-2000 sr 6:20 AM ss 8:09 PM	28 95 / 72 105-1930 63-2004 sr 6:21 AM ss 8:08 PM	29 95 / 72 108-1930 65-1994 sr 6:21 AM ss 8:08 PM	30 95 / 72 106-1930 62-2014 sr 6:22 AM ss 8:07 PM	31 95 / 72 104-1930 61-1971 sr 6:23 AM ss 8:06 PM

Heat Related Deaths **ARE** Preventable LOOK BEFORE YOU LOCK



weather.gov/heat

nhtsa.gov

The temperature in your car can quickly become deadly!

Outside Temperature 80°



Protect yourself from the heat when outside

- Drink plenty of water to stay hydrated
- Apply sunscreen regularly
- Dress in lightweight and light-colored clothing and wear a wide-brimmed hat

weather.gov/heat



Relative Humidity (%)

°F	40	45	50	55	60	65	70	75	80	85	90	95	100
110	136												
108	130	137											
106	124	130	137										
104	119	124	131	137									
102	114	119	124	130	137								
100	109	114	118	124	129	136							
98	105	109	113	117	123	128	134						
96	101	104	108	112	116	121	126	132					
94	97	100	103	106	110	114	119	124	129	135			
92	94	96	99	101	105	108	112	116	121	126	131		
90	91	93	95	97	100	103	106	109	113	117	122	127	132
88	88	89	91	93	95	98	100	103	106	110	113	117	121
86	85	87	88	89	91	93	95	97	100	102	105	108	112
84	83	84	85	86	88	89	90	92	94	96	98	100	103
82	81	82	83	84	84	85	86	88	89	90	91	93	95
80	80	80	81	81	82	82	83	84	84	85	86	86	87

Heat Index
(Apparent Temperature)

With Prolonged Exposure and/or Physical Activity

Extreme Danger

Heat stroke or sunstroke highly likely

Danger

Sunstroke, muscle cramps, and/or heat exhaustion likely

Extreme Caution

Sunstroke, muscle cramps, and/or heat exhaustion possible

Caution

Fatigue possible

HEAT EXHAUSTION

OR

HEAT STROKE

Faint or dizzy

Excessive sweating



Cool, pale, clammy skin

Nausea or vomiting

Rapid, weak pulse

Muscle cramps

• Get to a cooler, air conditioned place

• Drink water if fully conscious

• Take a cool shower or use cold compresses



Throbbing headache, confusion

No sweating

Body temperature above 103°
Red, hot, dry skin

Nausea or vomiting

Rapid, strong pulse

May lose consciousness

CALL 9-1-1

- Move person to cooler place
- Cool using cool cloths or bath
- Do not give anything to drink

August 2021

National Weather Service Shreveport

www.weather.gov/shv

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
1 95 / 72 105-2011 61-1936 sr 6:23 AM ss 8:05 PM	2 95 / 72 106-2010 61-1965 sr 6:24 AM ss 8:04 PM	3 95 / 72 107-2011 62-1973 sr 6:25 AM ss 8:04 PM	4 95 / 72 106-2011 63-1973 sr 6:25 AM ss 8:03 PM	5 95 / 72 103-2011 60-1969 sr 6:26 AM ss 8:02 PM	6 95 / 72 104-2011 60-1969 sr 6:27 AM ss 8:01 PM	7 95 / 72 105-1947 63-2004 sr 6:27 AM ss 8:00 PM
8 95 / 72 107-1935 59-1990 sr 6:28 AM ss 7:59 PM  <i>New Moon</i>	9 95 / 72 108-1935 59-1990 sr 6:29 AM ss 7:58 PM	10 95 / 72 106-1936 59-1976 sr 6:29 AM ss 7:57 PM	11 95 / 72 104-1936 62-1976 sr 6:30 AM ss 7:56 PM	12 95 / 72 104-2011 58-1967 sr 6:31 AM ss 7:55 PM	13 95 / 72 106-1948 56-2004 sr 6:31 AM ss 7:54 PM	14 95 / 72 104-2007 55-2004 sr 6:32 AM ss 7:53 PM
15 95 / 71 104-2007 56-2004 sr 6:33 AM ss 7:52 PM  <i>First Quarter</i>	16 95 / 71 102-1954 57-1992 sr 6:33 AM ss 7:51 PM  <i>Tell a Joke Day</i>	17 94 / 71 104-1951 56-1992 sr 6:34 AM ss 7:50 PM	18 94 / 71 104-1936 57-1992 sr 6:35 AM ss 7:49 PM	19 94 / 71 106-2011 65-2013 sr 6:35 AM ss 7:47 PM	20 94 / 71 105-2011 62-1976 sr 6:36 AM ss 7:46 PM	21 94 / 71 104-1980 60-1961 sr 6:37 AM ss 7:45 PM
22 94 / 71 102-2011 55-1961 sr 6:37 AM ss 7:44 PM  <i>Full Moon</i>	23 94 / 71 103-2011 56-1956 sr 6:38 AM ss 7:43 PM	24 94 / 71 100-1934 59-1956 sr 6:39 AM ss 7:42 PM	25 94 / 71 100-2000 58-1966 sr 6:39 AM ss 7:40 PM	26 94 / 70 102-2000 54-1966 sr 6:40 AM ss 7:39 PM  <i>National Dog Day</i>	27 94 / 70 101-2000 58-1966 sr 6:40 AM ss 7:38 PM	28 93 / 70 102-1954 51-1968 sr 6:41 AM ss 7:37 PM
29 93 / 70 103-2000 54-1986 sr 6:42 AM ss 7:35 PM	30 93 / 70 107-2000 54-1986 sr 6:42 AM ss 7:34 PM  <i>Last Quarter</i>	31 93 / 70 107-2000 60-1986 sr 6:43 AM ss 7:33 PM		 Scan this QR code for more on Heat Safety	<i>August Rainfall</i> Avg. 2.97"/7 days driest: 0.05"/1913 wettest: 9.43/2008	

Downburst Life Cycle



FORMATION -
Evaporation and
precip. drag
forms downdraft



IMPACT -
Downdraft quickly
accelerates and
strikes ground



DISSIPATION -
Downburst moves
away from point
of impact

Downbursts



Nashville, AR
May 28, 2017



May 22, 2008
Texarkana, TX



167 foot radio
station tower for
KNAS-FM radio in
Nashville, AR was
toppled due to
straight line winds
near 90 mph



What is a Downburst?

A downburst is a column of rapidly sinking air from an intense thunderstorm that spreads out all in all directions after reaching the ground. Typically, this will create very strong winds at ground-level and can cause damage over wide swaths of land. Downbursts can produce straight-line winds of over 150 mph. That can produce damage comparable to an EF-3 tornado!



September 2021

National Weather Service Shreveport

www.weather.gov/shv

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
	Normals: High/Low Record: High-Year Record: Low-Year Sunrise Sunset Monroe, LA.	<i>September Rainfall</i> Avg. 3.23"/7 days driest: Trace/19331 wettest: 12.21"/1978	1 93 / 69 107-2000 56-1967 sr 6:44 AM ss 7:32 PM	2 93 / 69 105-2000 51-1967 sr 6:44 AM ss 7:30 PM	3 92 / 69 103-2000 55-1974 sr 6:45 AM ss 7:29 PM	4 92 / 69 105-2000 51-1974 sr 6:46 AM ss 7:28 PM
5 92 / 68 103-1936 53-1974 sr 6:46 AM ss 7:26 PM	6 92 / 68 102-1947 53-1953 sr 6:47 AM ss 7:25 PM  Labor Day	7 92 / 68 102-2019 53-2011 sr 6:47 AM ss 7:24 PM  New Moon	8 91 / 67 101-2019 49-1988 sr 6:48 AM ss 7:22 PM	9 91 / 67 99-2019 53-2011 sr 6:49 AM ss 7:21 PM	10 91 / 67 99-1980 55-1949 sr 6:49 AM ss 7:20 PM	11 91 / 66 99-1947 51-1976 sr 6:50 AM ss 7:18 PM  Patriot Day
12 90 / 66 100-1980 51-1976 sr 6:51 AM ss 7:17 PM	13 90 / 66 100-2019 51-2015 sr 6:51 AM ss 7:16 PM  First Quarter	14 90 / 65 100-2019 44-1964 sr 6:52 AM ss 7:14 PM	15 89 / 65 104-1980 48-1964 sr 6:52 AM ss 7:13 PM	16 89 / 65 100-1995 47-1961 sr 6:53 AM ss 7:12 PM	17 89 / 64 100-2010 50-1961 sr 6:54 AM ss 7:10 PM	18 88 / 64 102-2010 51-2000 sr 6:54 AM ss 7:09 PM
19 88 / 63 102-2010 48-1981 sr 6:55 AM ss 7:08 PM	20 88 / 63 102-2005 49-1961 sr 6:56 AM ss 7:06 PM  Full Moon	21 88 / 62 101-2005 45-1983 sr 6:56 AM ss 7:05 PM	22 87 / 62 99-2005 41-1983 sr 6:57 AM ss 7:04 PM  Autumnal Equinox at 02:21 p.m. CDT	23 87 / 62 101-1931 43-1982 sr 6:58 AM ss 7:02 PM	24 87 / 61 101-1931 46-1990 sr 6:58 AM ss 7:01 PM	25 86 / 61 101-1931 46-1975 sr 6:59 AM ss 7:00 PM
26 86 / 60 97-1936 42-1975 sr 6:59 AM ss 6:58 PM	27 86 / 60 98-1953 44-1975 sr 7:00 AM ss 6:57 PM	28 85 / 60 101-1953 39-1967 sr 7:01 AM ss 6:56 PM	29 85 / 59 99-1953 35-1967 sr 7:01 AM ss 6:54 PM  Last Quarter	30 85 / 59 97-1953 41-1963 sr 7:02 AM ss 6:53 PM		

Why Do Leaves Change Color in the Fall?



Leaves get their green color from chlorophyll. This is needed in the process of photosynthesis, where trees use sunlight to change carbon dioxide and water into glucose. Trees will use glucose for energy and as a building block for their growth. As we move from Summer into Autumn, the days will become shorter, at which point there is not enough light or water for photosynthesis. As a result, trees are not able to process enough glucose for energy, and the chlorophyll begins to disappear from their leaves. As the bright green color in the leaves fade away, we begin to see more yellow, orange, bright reds, and purples before the leaves eventually fall and die.



PHOTO COURTESY OF
CARRIE GILLIAM
MONROE, LA



Daingerfield State Park
near Daingerfield, TX



PHOTO COURTESY OF
ALICIA KRAUS
PLAIN DEALING, LA

October 2021

National Weather Service Shreveport

www.weather.gov/shv

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
	Normals: High/Low Record: High-Year Record: Low-Year Sunrise Sunset Monroe, LA.	October Rainfall Avg. 3.75/7 days driest: Trace/1952 wettest: 20.56"/120994			1 84 / 58 96-2019 36-1984 sr 7:03 AM ss 6:52 PM  World Smile Day	2 84 / 58 99-2019 35-1984 sr 7:03 AM ss 6:50 PM
3 84 / 57 98-2019 39-1984 sr 7:04 AM ss 6:49 PM	4 83 / 57 94-2006 40-1987 sr 7:05 AM ss 6:48 PM	5 83 / 57 94-2019 38-1987 sr 7:06 AM ss 6:47 PM	6 83 / 56 98-1954 38-1932 sr 7:06 AM ss 6:45 PM  New Moon	7 82 / 56 95-1962 35-1964 sr 7:07 AM ss 6:44 PM	8 82 / 56 94-2010 37-1952 sr 7:08 AM ss 6:43 PM	9 82 / 55 94-2010 39-2000 sr 7:08 AM ss 6:42 PM
10 81 / 55 95-2010 35-2000 sr 7:09 AM ss 6:40 PM	11 81 / 54 96-1931 34-1964 sr 7:10 AM ss 6:39 PM  Columbus Day	12 81 / 54 94-1963 38-1977 sr 7:11 AM ss 6:38 PM	13 80 / 54 95-1963 35-1977 sr 7:11 AM ss 6:37 PM  First Quarter	14 80 / 53 93-2015 34-1977 sr 7:12 AM ss 6:35 PM	15 80 / 53 96-2015 35-1969 sr 7:13 AM ss 6:34 PM	16 79 / 53 92-2011 34-1961 sr 7:13 AM ss 6:33 PM
17 79 / 53 92-1972 33-1977 sr 7:14 AM ss 6:32 PM	18 79 / 52 91-2016 32-1948 sr 7:15 AM ss 6:31 PM	19 78 / 52 90-2016 30-1948 sr 7:16 AM ss 6:30 PM	20 78 / 52 90-1979 30-1989 sr 7:17 AM ss 6:29 PM  Full Moon	21 78 / 51 94-1934 30-1976 sr 7:17 AM ss 6:28 PM	22 77 / 51 94-1934 36-1987 sr 7:18 AM ss 6:26 PM	23 77 / 51 92-1934 33-1952 sr 7:19 AM ss 6:25 PM
24 77 / 50 90-1934 31-1952 sr 7:20 AM ss 6:24 PM	25 76 / 50 93-1931 32-1965 sr 7:21 AM ss 6:23 PM	26 76 / 50 91-1931 31-1965 sr 7:21 AM ss 6:22 PM	27 76 / 50 94-2010 32-1957 sr 7:22 AM ss 6:21 PM	28 75 / 49 90-1971 29-1957 sr 7:23 AM ss 6:20 PM  Last Quarter	29 75 / 49 88-1971 29-1952 sr 7:24 AM ss 6:19 PM	30 75 / 49 90-1937 29-1952 sr 7:25 AM ss 6:19 PM
31 74 / 49 89-1937 30-1993 sr 7:25 AM ss 6:18 PM  Halloween						



Time To FALL BACK

**Daylight Saving Time Ends
2:00 AM on November 7, 2020**
(Set Clocks Back One Hour)

- **Do a fire drill at home and write a family communication plan**
- **Test and replace the batteries in your NOAA Weather Radio**
- **Check batteries in your smoke detectors and Carbon Monoxide Detectors**

November 2021

National Weather Service Shreveport

www.weather.gov/shv

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
	1 sr 7:26 AM ss 6:17 PM 74 / 48 88-1935 27-1993	2 sr 7:27 AM ss 6:16 PM 74 / 48 90-1971 24-1966  <i>Election Day</i>	3 sr 7:28 AM ss 6:15 PM 73 / 48 88-1935 20-1966	4 sr 7:29 AM ss 6:14 PM 73 / 48 88-1935 25-1991  <i>New Moon</i>	5 sr 7:30 AM ss 6:13 PM 73 / 47 85-2003 26-1991	6 sr 7:31 AM ss 6:13 PM 72 / 47 86-1989 29-1959
7 sr 6:32 AM ss 5:12 PM 72 / 47 86-2005 25-1959  <i>Daylight Saving Time Ends</i>	8 sr 6:32 AM ss 5:11 PM 71 / 46 88-1989 25-1951	9 sr 6:33 AM ss 5:10 PM 71 / 46 87-1934 25-1991	10 sr 6:34 AM ss 5:10 PM 71 / 46 88-1935 26-1953  <i>Veteran's Day</i>	11 sr 6:35 AM ss 5:09 PM 70 / 46 87-1969 27-1971  <i>First Quarter</i>	12 sr 6:36 AM ss 5:09 PM 70 / 45 86-1955 24-2019	13 sr 6:37 AM ss 5:08 PM 70 / 45 88-1955 20-2019
14 sr 6:38 AM ss 5:07 PM 69 / 45 86-2011 24-1969	15 sr 6:39 AM ss 5:07 PM 69 / 45 87-2011 19-1969	16 sr 6:40 AM ss 5:06 PM 68 / 44 85-1958 26-1970	17 sr 6:41 AM ss 5:06 PM 68 / 44 85-1957 26-1959	18 sr 6:41 AM ss 5:05 PM 68 / 44 85-1930 22-1959	19 sr 6:42 AM ss 5:05 PM 67 / 43 85-1988 22-1951  <i>Full Moon</i>	20 sr 6:43 AM ss 5:05 PM 67 / 43 83-2011 24-1937
21 sr 6:44 AM ss 5:04 PM 66 / 43 85-2011 25-1937	22 sr 6:45 AM ss 5:04 PM 66 / 43 80-2010 24-1964	23 sr 6:46 AM ss 5:04 PM 66 / 42 84-2010 25-1976	24 sr 6:47 AM ss 5:03 PM 65 / 42 86-1973 19-1970	25 sr 6:48 AM ss 5:03 PM 65 / 42 83-2010 24-1975  <i>Thanksgiving Day</i>	26 sr 6:48 AM ss 5:03 PM 65 / 41 85-1965 27-1956	27 sr 6:49 AM ss 5:03 PM 64 / 41 84-1989 23-1975  <i>Last Quarter</i>
28 sr 6:50 AM ss 5:03 PM 64 / 41 84-1949 23-2013	29 sr 6:51 AM ss 5:02 PM 63 / 41 82-1933 19-1976	30 sr 6:52 AM ss 5:02 PM 63 / 40 83-1933 21-1976 <i>*Hurricane Season Ends Today*</i>	Normals: High/Low Record: High-Year Record: Low-Year Sunrise Sunset Monroe, LA.	<i>November Rainfall</i> Avg. 4.51"/8 days driest: 0.14"/1949 wettest: 11.95/1934		

Volunteer COOP weather stations are located in every county and parish.



Temperature, rainfall, evaporation and river data are reported from our 120 sites daily.

December 2021

National Weather Service Shreveport

www.weather.gov/shv

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
Normals: High/Low Record: High-Year Record: Low-Year Sunrise Sunset Monroe, LA.	<i>December Rainfall</i> Avg. 5.44"/10 days driest: 0.75"/1980 wettest: 18.01"/1931		1 63 / 40 79-1950 23-1964 sr 6:53 AM ss 5:02 PM	2 62 / 40 83-1982 24-1960 sr 6:54 AM ss 5:02 PM	3 62 / 40 83-1995 25-1976 sr 6:54 AM ss 5:02 PM	4 62 / 39 82-1933 22-1989 sr 6:55 AM ss 5:02 PM  <i>New Moon</i>
5 61 / 39 81-1998 20-2006 sr 6:56 AM ss 5:02 PM	6 61 / 39 81-1998 20-1950 sr 6:57 AM ss 5:02 PM	7 61 / 39 80-1978 19-1950 sr 6:57 AM ss 5:02 PM	8 61 / 38 81-2007 19-2006 sr 6:58 AM ss 5:03 PM	9 60 / 38 81-2007 19-2006 sr 6:59 AM ss 5:03 PM	10 60 / 38 79-2007 18-1995 sr 7:00 AM ss 5:03 PM	11 60 / 38 82-2015 20-1995 sr 7:00 AM ss 5:03 PM  <i>First Quarter</i>
12 59 / 38 80-1996 11-1962 sr 7:01 AM ss 5:03 PM	13 59 / 38 81-1933 8-1962 sr 7:02 AM ss 5:04 PM	14 59 / 37 81-1984 18-1962 sr 7:02 AM ss 5:04 PM	15 59 / 37 81-2011 17-1958 sr 7:03 AM ss 5:04 PM	16 59 / 37 79-1933 15-1989 sr 7:04 AM ss 5:05 PM	17 58 / 37 81-2016 17-1972 sr 7:04 AM ss 5:05 PM	18 58 / 37 77-2002 18-1979 sr 7:05 AM ss 5:06 PM
19 58 / 37 78-2012 18-1975 sr 7:05 AM ss 5:06 PM  <i>Full Moon</i>	20 58 / 37 79-1967 19-1996 sr 7:06 AM ss 5:07 PM	21 58 / 36 82-2010 17-1989 sr 7:06 AM ss 5:07 PM  <i>Winter Solstice at 02:59 p.m. CST</i>	22 58 / 36 74-1988 8-1989 sr 7:07 AM ss 5:08 PM	23 58 / 36 80-2015 5-1989 sr 7:07 AM ss 5:08 PM	24 57 / 36 81-1955 8-1989 sr 7:08 AM ss 5:09 PM	25 57 / 36 82-2015 5-1983 sr 7:08 AM ss 5:09 PM  <i>Christmas Day</i>
26 57 / 36 82-2016 12-1983 sr 7:08 AM ss 5:10 PM	27 57 / 36 81-2015 20-2010 sr 7:09 AM ss 5:11 PM  <i>Last Quarter</i>	28 57 / 36 76-2015 23-1961 sr 7:09 AM ss 5:11 PM	29 57 / 36 78-1984 16-1983 sr 7:09 AM ss 5:12 PM	30 57 / 36 81-1951 12-1983 sr 7:09 AM ss 5:13 PM	31 57 / 36 80-1951 12-1983 sr 7:10 AM ss 5:13 PM  <i>New Year's Eve</i>	Scan this QR Code for more about winter safety 