

= 1899 Atlantic hurricane season =

The 1899 Atlantic hurricane season featured the longest @-@ lasting tropical cyclone in the Atlantic basin on record . There were nine tropical storms , of which five became hurricanes . Two of those strengthened into major hurricanes , which are Category 3 or higher on the modern day Saffir ? Simpson hurricane wind scale . The first system was initially observed in the northeastern Gulf of Mexico on June 26 . The tenth and final system dissipated near Bermuda on November 10 . These dates fall within the period with the most tropical cyclone activity in the Atlantic . In post @-@ season analysis , two tropical cyclones that existed in October were added to HURDAT ? the official Atlantic hurricane database . At one point during the season , September 3 through the following day , a set of three tropical cyclones existed simultaneously .

The most significant storm of the season was Hurricane Three , nicknamed the San Ciriaco hurricane . A post @-@ season analysis of this storm indicated that it was the longest @-@ lasting Atlantic tropical cyclone on record . The path impacted the Lesser Antilles , Puerto Rico , Dominican Republic , the Bahamas , Florida , South Carolina , North Carolina , Virginia , and the Azores . The San Ciriaco hurricane alone caused about \$ 20 million (1899 USD) in damage and at least 3 @,@ 656 deaths . Another notable tropical cyclone , the Carrabelle hurricane , brought extensive damage to Dominican Republic and Florida Panhandle . Losses in Florida reached about \$ 1 million . At least 9 deaths were associated with the storm . Hurricane Nine in October brought flooding to Cuba and Jamaica , as well as minor damage to South Carolina , North Carolina , and Virginia .

The season 's activity was reflected with an accumulated cyclone energy (ACE) rating of 150 . ACE is , broadly speaking , a measure of the power of the hurricane multiplied by the length of time it existed , so storms that last a long time , as well as particularly strong hurricanes , have high ACEs . It is only calculated for full advisories on tropical systems at or exceeding 34 knots (39 mph , 63 km / h) or tropical storm strength .

= = Storms = =

= = = Tropical Storm One = = =

Weather maps first indicated a tropical storm in the extreme northwestern Gulf of Mexico on June 26 . With initial sustained winds of 40 mph (65 km / h) , the storm did not differentiate in intensity as it headed northwestward . At 0900 UTC on June 27 , the system made landfall near the southwestern end of Galveston Island , Texas at the same intensity . Three hours later , it weakened to a tropical depression and later dissipated over Southeast Texas at 1800 UTC . Heavy rainfall produced by the storm from Granbury to Waco and toward the coast contributed to an ongoing flood event in the state . According to Texas State Senator Asbury Bascom Davidson , the Brazos , Colorado , Guadalupe , Navasota , and San Saba Rivers overflowed . An estimated 12 @,@ 000 square miles (31 @,@ 000 km²) of land were inundated . In Hearne , water rose above every rain gauge . Thousands of people were left homeless . The flood caused \$ 9 million in damage and 284 deaths .

= = = Hurricane Two = = =

A hurricane was first observed south of Dominican Republic on July 28 . Shortly thereafter , it made landfall in Azua Province with an intensity equivalent to a Category 1 hurricane . Early on July 29 , the system weakened to a tropical storm , shortly before emerging into the southwestern Atlantic Ocean . It then moved west @-@ northwestward and remained at relatively the same intensity over the next 24 hours . The storm made landfall near Islamorada , Florida on July 30 . Crossing the Florida Keys , it soon emerged into the Gulf of Mexico . The storm began to re @-@ intensify on July 31 and became a hurricane later that day . Early on August 1 , it peaked with winds of 100 mph (155 km / h) , several hours before making landfall near Apalachicola , Florida at the same intensity

. The storm quickly weakened inland and dissipated over southern Alabama on August 2 .

In Dominican Republic , three large schooners were wrecked at Santo Domingo ; only one crew member on the three vessels survived . " Great " damage was reported along coastal sections of the country , while a loss of telegraph service impacted most of interior areas . In Florida , damage in the city of Carrabelle was extensive , with no more than a score of " unimportant " houses remained . Losses in the city reached approximately \$ 100 @, @ 000 . At least 57 shipping vessels were destroyed ; damage from these ships collectively totaled about \$ 375 @, @ 000 . Additionally , 13 lumber vessels were beached . Many boats at the harbor and the wharfs in Lanark were wrecked . Large portions of stores and pavilions in the city were damaged . The towns of Curtis Mill and McIntyre were completely destroyed , while the resort city of St. Teresa suffered significant damage . Seven deaths were confirmed in Florida . Overall , losses reached at least \$ 1 million .

= = = Hurricane Three = = =

The next storm , known as the San Ciriaco Hurricane , was first observed as a tropical storm to the southwest of Cape Verde on August 3 . It slowly strengthened while heading steadily west @-@ northwestward across the Atlantic Ocean . By late on August 5 , the storm strengthened into a hurricane . During the following 48 hours , it deepened further , reaching Category 4 hurricane status before crossing the Leeward Islands on August 7 . Later that day , the storm attained its peak intensity with maximum sustained winds of 150 mph (240 km / h) and a minimum barometric pressure of 930 mbar (27 inHg) . The storm weakened slightly before making landfall in Guayama , Puerto Rico with winds of 140 mph (220 km / h) on August 8 . Several hours later , it emerged into the southwestern Atlantic as a Category 3 hurricane ; it would remain at that intensity for over 9 days . The system paralleled the north coast of Dominican Republic and then crossed the Bahamas , striking several islands , including Andros and Grand Bahama . After clearing the Bahamas , it began heading northward on August 14 , while centered east of Florida . Early on the following day , the storm re @-@ curved northeastward and appeared to be heading out to sea . However , by August 17 , it turned back to the northwest . At 0100 UTC on August 18 , the storm made landfall near Hatteras , North Carolina with 120 mph winds .

The storm weakened after moving inland and fell to Category 1 intensity by 1200 UTC on August 18 . Later that day , the storm re @-@ emerged into the Atlantic Ocean . Now heading northeastward , it continued weakening , but maintained Category 1 intensity . By late on August 20 , the storm curved eastward over the northwestern Atlantic . It also began losing tropical characteristics and transitioned into an extratropical cyclone at 0000 UTC on August 22 , while located about 325 miles (525 km) south of Sable Island . However , after four days , the system regenerated into a tropical storm while located about 695 miles (1 @, @ 120 km) west @-@ southwest of Flores Island in the Azores on August 26 . It moved slowly north @-@ northwestward , until curving to the east on August 29 . Between August 26 and September 1 , the storm did not differentiate in intensity , but began re @-@ strengthening while turning southeastward on September 2 . Early on the following day , the storm again reached hurricane intensity . It curved northeastward and passed through the Azores on September 3 , shortly before transitioning into an extratropical cyclone . The storm had the longest duration of an Atlantic hurricane on record , lasting for 31 days , 28 of which it was tropical .

In Guadeloupe , the storm unroofed and flooded many houses . Communications were significantly disrupted in the interior portions of the island . Impact was severe in Montserrat , with nearly every building destroyed and 100 deaths reported . About 200 small houses were destroyed on Saint Kitts , with estates suffering considerable damage , while nearly all estates were destroyed on Saint Croix . Eleven deaths were reported on the island . In Puerto Rico , the system brought strong winds and heavy rainfall , which caused extensive flooding . Approximately 250 @, @ 000 people were left without food and shelter . Additionally , telephone , telegraph , and electrical services were completely lost . Overall , damage totaled approximately \$ 20 million , with over half were losses inflicted on crops , particularly coffee . At the time , it was the costliest and worst tropical cyclone in Puerto Rico . It was officially estimated that the storm caused 3 @, @ 369 fatalities . In the Bahamas

, strong winds and waves sank 50 small crafts , most of them at Andros . Severe damage was reported in the capital city of Nassau , with over 100 buildings destroyed and many damaged , including the Government House . A few houses were also destroyed in Bimini . The death toll in the Bahamas was at least 125 . In North Carolina , storm surge and rough sea destroyed fishing piers and bridges , as well as sink about 10 vessels . Because Hatteras Island was almost entirely inundated with 4 to 10 feet (1 @. @ 2 to 3 @. @ 0 m) of water , a great proportion of homes on the island were damaged , with much destruction at Diamond City . There were at least 20 deaths in the state of North Carolina . In the Azores , the storm also caused one fatality and significant damage on some islands .

= = = Hurricane Four = = =

Weather maps indicated a tropical storm just east of the Lesser Antilles beginning on August 29 . The storm moved westward and strengthened into a hurricane early on August 30 . Several hours later , it entered the Caribbean Sea after passing near Antigua and Montserrat . Impact was generally light in the Lesser Antilles . At San Juan , Puerto Rico , sustained winds reached 48 mph (77 km / h) . The storm maintained winds of 80 mph (130 km / h) as it continued westward across the Caribbean Sea . Vessels sailing from ports in Cuba and Hispaniola were advised to " take every precaution " . After the storm curved northward late on September 1 , vessels from Hispaniola only were advised to take caution .

Late on September 1 , the hurricane made landfall east of Jacmel , Haiti with winds of 80 mph (130 km / h) . By 1800 UTC , it weakened to a tropical storm . The storm emerged into the Atlantic Ocean early on September 2 , after weakening further . While passing just east of the Turks and Caicos Islands early on September 3 , the storm re @-@ strengthened and attained hurricane status again . Several hours later , it strengthened into a Category 2 hurricane and peaked with winds of 105 mph (165 km / h) . After weakening to a Category 1 hurricane late on September 4 , the storm passed northwest of Bermuda . Hurricane force winds caused considerable damage on the island . At 1200 UTC on September 5 , the hurricane became extratropical .

= = = Hurricane Five = = =

HURDAT initially indicates a tropical storm about 920 miles (1 @, @ 480 km) west @-@ southwest of Brava , Cape Verde on September 3 . The storm moved west @-@ northwestward and slowly intensified , reachig hurricane status late on September 5 . It continued to slowly strengthen , becoming a Category 2 hurricane on September 6 . About 24 hours later , the cyclone deepened into a Category 3 hurricane while located near the Lesser Antilles . On Saint Kitts , sustained winds reached 62 mph (100 km / h) , while up to 3 @. @ 13 inches (80 mm) of rainfall was reported . Many houses were destroyed on Anguilla and Barbuda . In the former , an estimated 200 homes were demolished , leaving 800 people homeless . Early on September 9 , the storm reached maximum sustained winds of 120 mph (195 km / h) . The storm maintained intensity as a Category 3 hurricane and re @-@ curved northward by September 11 .

The hurricane turned northeastward on September 12 and began to accelerate . Early on September 13 , it passed very close to Bermuda , with a minimum barometric pressure of 939 mbar (27 @. @ 7 inHg) observed on the island . Cedar trees were uprooted , while fruit and ornamental trees were swept out to sea . Some houses were destroyed , while others were deroofed . Severe damage was also reported at the naval yard and colonial government buildings . At the Her Majesty 's Dockyard alone , damage was " at least five figures " . Early on September 14 , the storm weakened to a Category 2 hurricane , then to a Category 1 several hours later . Shortly after 0000 UTC on September 15 , the hurricane struck the Avalon Peninsula of Newfoundland with winds of 85 mph (140 km / h) . It soon became extratropical . In Newfoundland , severe damage was reported at fishing premises . The schooners Angler , Daisy , and Lily May either capsized or were driven ashore , resulting in 16 deaths .

== Tropical Storm Six ==

A ship in the western Caribbean Sea reported a tropical storm on October 2 . The storm moved north @-@ northwestward and entered the Gulf of Mexico early on the following day . Late on October 3 , it peaked with maximum sustained winds of 60 mph (95 km / h) . The storm re @-@ curved eastward while situated over the northeastern Gulf of Mexico . At 0000 UTC on October 5 , this system made landfall in modern @-@ day Largo , Florida at the same intensity . Thereafter , the storm headed northeastward , until becoming extratropical early on October 6 , while located offshore Georgia .

Impact from this system was generally minor . Prior to landfall in Florida , the storm produced winds up to 40 mph (65 km / h) in Port Eads , Louisiana . The highest wind speed in Florida was 37 mph (60 km / h) in Jupiter . There , the storm also dropped 4 @.@ 94 inches (125 mm) of rain . The Jupiter area also reported rough seas , with the highest tides in 7 years . The storm wrecked two schooners ? the John R. Anidia at Fernandina Beach and the John H. Tingle at Cumberland Island , Georgia . After becoming extratropical , the remnants of the storm brought wind gusts up to 56 mph (90 km / h) to Cape Henry , Virginia and Block Island , Rhode Island .

== Tropical Storm Seven ==

Reports from a ship on October 10 indicated a tropical storm with sustained winds of 45 mph (75 km / h) and a minimum barometric pressure of 1 @,@ 008 mbar (29 @.@ 8 inHg) . Located well southwest of Cape Verde , the storm moved northwestward without differentiating in intensity . It was last noted on October 14 , while situated at 21 @.@ 5 ° N , 43 @.@ 5 ° W.

== Tropical Storm Eight ==

A tropical depression developed in the central Bahamas on October 15 . The depression moved east @-@ northeastward strengthened into a tropical storm by the following day . Later on October 16 , the storm peaked with winds of 45 mph (75 km / h) . It re @-@ curved northwestward and slowly began to weaken . Early on October 18 , the system fell to tropical depression intensity . Several hours later , the cyclone dissipated while located about 195 miles (315 km) east @-@ southeast of Virginia Beach , Virginia .

== Hurricane Nine ==

An area of disturbed weather developed into a tropical storm while located south @-@ southwest of Jamaica on October 26 . The system moved slowly north @-@ northwestward and gradually strengthened , reaching hurricane status on October 28 . By early on the following day , it made landfall on the southern coast of Sancti Spíritus Province , Cuba . Briefly weakening to a tropical storm , the system re @-@ intensified into a hurricane after reaching the Atlantic Ocean late on October 29 . Moving toward the Bahamas , the storm became a Category 2 hurricane on October 30 . Around that time , it struck Grand Bahama island . After peaking with winds of 110 mph (175 km / h) , the system accelerated north @-@ northwestward and made landfall near Myrtle Beach , South Carolina on October 31 . It quickly weakened and became extratropical over Virginia later that day .

In the city of Black River , Jamaica , rough seas caused significant damage to the marine industry and washed out crops . There were " many dead " in Jamaica , though the actual number of fatalities is unknown . Damage from the storm in Cuba was reported in the Sancti Spíritus and Santa Clara Provinces . Due to the threat of the Zaza River overflowing , residents were forced to evacuate . Strong winds and flooding destroyed several houses and severely damaged a number of others . At Wrightsville Beach , North Carolina , tides were reported as 8 feet (2 @.@ 4 m) above normal . Water came over the wharves in Wilmington and inundated some streets ; there was also flooding in New Bern , Morehead City , and Beaufort . One steamer was wrecked on the coast and 10 smaller vessels were driven ashore . One fatality was reported and damage was estimated at roughly \$ 200

@, @ 000 .

= = = Tropical Storm Ten = = =

A ship observed a tropical storm north of Panama on November 7 . The storm strengthened and headed northeastward across the central Caribbean Sea . It curved northward on November 8 , around the time of peaking with winds of 65 mph (100 km / h) . Later that day , the storm made landfall in Saint Thomas Parish , Jamaica at the same intensity . Thereafter , the system weakened and struck extreme western Santiago de Cuba Province , Cuba with winds of 50 mph (85 km / h) on November 9 . It continued to weaken while crossing the island and emerged into the southwestern Atlantic Ocean later that day . The storm curved northeastward and passed through the Bahamas on November 10 . It then weakened to a tropical depression , several hours before dissipating about 385 miles (620 km) southeast of Bermuda .

The storm brought strong winds and heavy rainfall to Jamaica and Cuba . Significant damage was reported at Port Antonio , Jamaica , especially the property and agriculture of the United Fruit Company . Several districts of Saint Thomas Parish became isolated and the town of Morant Bay was " shattered " . In Cuba , rainfall peaked at 5 @. @ 7 inches (140 mm) in the city of Santiago de Cuba . Damage to buildings and crops were reported in the region . Four fatalities occurred when a tree fell on their farmhouse in Manzanillo , Granma Province .