

= 1936 Atlantic hurricane season =

The 1936 Atlantic hurricane season officially began on June 12 , 1936 , and lasted until December 6 , 1936 . These dates conventionally delimit the period of each year when most tropical cyclones form in the Atlantic basin .

The 1936 season was fairly active , with 20 tropical cyclones including 3 tropical depressions . Seven storms became hurricanes , of which one became a major hurricane . In addition , the season was unusual in the fact that no storms moved across large portions of the Caribbean Sea . Seven storms , including three hurricanes , struck the United States . The season also set many records for the earliest date for a numbered storm , though all were surpassed by the extreme activity of the 2005 season .

= = Storms = =

= = = Tropical Storm One = = =

On June 9 , a tropical cyclone with atmospheric pressure below 988 millibars (29 @.@ 18 inHg) made landfall on the Pacific coast of Guatemala . It moved northeastward across Central America , but dissipated before reaching the western Caribbean Sea on June 12 . The storm quickly re @-@ organized , and again developed into a tropical storm on June 12 . It moved north @-@ northeastward , resulting in light winds as it paralleled the eastern coasts of Belize and the Yucatán Peninsula . After reaching the Gulf of Mexico with peak winds of 45 miles per hour (72 km / h) , the storm turned to the northeast , then to the east . On June 15 , the tropical storm made landfall about 20 miles (32 km) to the south of Fort Myers , Florida , and after crossing the state it passed over Miami before entering the Atlantic Ocean . It weakened as it accelerated northeastward through the Bahamas , and on June 17 the system dissipated to the north of Bermuda .

While crossing Central America , the storm produced heavy rainfall .. In southern Florida , winds from the storm ranged from 30 miles per hour (48 km / h) to a peak of 39 miles per hour (63 km / h) in Miami . The storm produced heavy rainfall in southern Florida , ranging from 8 to 15 inches (200 to 380 mm) . The rainfall caused flooding of highways and lowlands , drowned several livestock , and some damage . The storm caused three indirect deaths when a Coast Guard airplane crashed in Tampa Bay while in search of small boats .

= = = Tropical Storm Two = = =

An area of disturbed weather was first detected near the Yucatán Peninsula on June 18 . It tracked west @-@ northwestward , and developed into a tropical storm the following day . The storm continued to the west @-@ northwest until June 21 , when the storm turned to the west @-@ southwest . Having remained a minimal tropical storm for all of its lifetime , the 40 @-@ mph (70 @-@ km / h) storm struck northeast Mexico on June 21 , and dissipated the next day . The storm caused higher than normal tides along the Texas coastline , and no damage or deaths were reported .

= = = Hurricane Three = = =

A small tropical storm developed on June 26 while located 125 miles (201 km) east of Brownsville , Texas . It moved northwestward and rapidly strengthened almost immediately after formation (similar to Humberto of 2007) , attaining hurricane status with peak winds of 80 miles per hour (130 km / h) by early on June 27 . Later on June 27 , the hurricane made landfall near Port Aransas with a pressure of 987 millibars (29 @.@ 15 inHg) . The storm rapidly weakened over land , and dissipated on June 28 near San Antonio , Texas . A small craft warning was issued for the Corpus Christi area on the morning of the storm making landfall , and the National Weather Bureau issued a

Hurricane Warning just 45 minutes prior to the hurricane striking land .

Upon making landfall , the storm caused a 3 @. @ 8 @- @ foot (1 @. @ 2 @- @ m) storm tide , and many small boats were capsized or driven ashore . The hurricane produced wind gusts of up to 90 miles per hour (140 km / h) in Ingleside and up to 80 miles per hour (130 km / h) in Port Aransas , destroying cooling towers at a local oil refinery and damaging a few houses . Along its path , the storm produced heavy rainfall , though specifics are unknown . Severe crop damage was reported in San Patricio and Nueces Counties . In all , the hurricane caused \$ 550 @, @ 000 in damage (1936 USD , \$ 8 million 2006 USD) , primarily to oil refinery property , though no deaths or injuries were reported .

= = = Tropical Storm Four = = =

On July 26 , a small tropical storm formed near the western tip of Cuba from a tropical disturbance . It moved quickly northwestward , then turned northward , reaching a peak intensity of 45 miles per hour (72 km / h) . On July 27 , the storm accelerated northeastward and made landfall on southeastern Louisiana with a pressure of 1003 mbar . The storm rapidly weakened over land and dissipated late on the 27th . The Weather Bureau office issued a storm warning for the Louisiana coastline , advising those potentially affected to prepare for strong winds and rising tides . However , the storm caused no serious damage , and no casualties are associated with the storm .

= = = Hurricane Five = = =

A tropical storm was first observed over the southern Bahamas on July 27 . It tracked to the west @- @ northwest , and made landfall a short distance south of Homestead , Florida , with winds of 65 miles per hour (105 km / h) . After crossing the state , it intensified over the eastern Gulf of Mexico and became a hurricane on July 30 . The hurricane continued to strengthen , and on July 31 hit the western Florida Panhandle near Camp Walton with peak winds of 105 miles per hour (169 km / h) . It weakened rapidly over land , and dissipated over western Alabama on August 1 .

In south Florida , the storm caused a storm tide of 5 @. @ 5 feet (1 @. @ 7 m) when it made landfall , causing flooding of up to 1 @. @ 5 feet (0 @. @ 46 m) in coastal areas . Though winds reached 60 miles per hour (97 km / h) , damage was minimal there . In Valparaiso in the Florida Panhandle , the hurricane produced wind gusts of up to 100 miles per hour (160 km / h) , along with a storm tide of 6 feet (1 @. @ 8 m) . Damage from the storm was relatively minor , totaling to \$ 200 @, @ 000 (1936 USD , \$ 3 @. @ 24 million 2013 USD) . The hurricane indirectly killed four people when a boat capsized in the Gulf of Mexico .

= = = Tropical Storm Six = = =

The sixth tropical storm of the season was first spotted on August 4 while located 155 miles (249 km) east @- @ northeast of Barbuda . It tracked northwestward , and reached a peak intensity of 40 miles per hour (64 km / h) on August 5 . It retained that intensity throughout its lifetime (although it is possible it remained a tropical depression but data was conflicting) , which was followed by a turn to the northeast on August 8 . On August 9 , the storm passed 160 miles (260 km) to the west of Bermuda , and early on August 10 the storm became extratropical over the open Atlantic Ocean . The extratropical storm continued northeastward until dissipating late on August 10 while 280 miles (450 km) south of the eastern tip of Nova Scotia . The storm never affected land .

= = = Tropical Storm Seven = = =

A weak tropical storm formed on August 7 in the eastern Gulf of Mexico west @- @ northwest of the Dry Tortugas . The system moved northwest towards the northwest Gulf of Mexico through August 9 while maintaining its peak of 40 miles per hour (64 km / h) . It is possible it weakened to a tropical depression at times , but there is no data supporting or denying such . The storm then began to

curve more to the west @-@ southwest on August 10 while located just south @-@ southwest of Port Eads , Louisiana , while maintaining intensity . The storm continued moving southwest through August 11 , weakening to a tropical depression shortly before making landfall near Tampico on August 12 . The system weakened quickly after moving inland , and dissipated shortly afterwards .

Advisories were issued early on August 12 from the U.S. Weather Bureau in New Orleans for the system as it neared Mexico shortly before making landfall , but little damage and no deaths were reported in Mexico .

= = = Hurricane Eight = = =

A tropical disturbance was detected in the western to northwest Caribbean Sea near Cancún on August 15 . The system moved northwest into the southwest Gulf of Mexico as a tropical storm on August 16 while slowly strengthening . The system reached hurricane intensity as a Category 1 on August 17 , and reached its peak of 75 miles per hour (121 km / h) shortly afterwards . The hurricane began to move west @-@ southwest late on August 17 and through August 18 , eventually making landfall near Tampico , Tamaulipas , on August 19 as a minimal hurricane or strong tropical storm . The system quickly weakened just after moving inland and dissipated on the same day .

The hurricane brought heavy rains to mainland Mexico , while the highest winds recorded at Tampico were 30 miles per hour (48 km / h) on August 19 as the center passed nearby just to the north . Storm warnings were issued on August 17 and 18 as the system initially approached the upper Gulf Coast of Louisiana and Texas , but the system 's west @-@ southwest turn prevented a direct United States landfall .

= = = Tropical Storm Nine = = =

A weak tropical storm formed on August 20 near the eastern Bahamas . Moving slowly west @-@ northwest through August 21 , the system strengthened to its peak of 50 miles per hour (80 km / h) later on August 21 , and made landfall on August 22 near Daytona Beach at its peak intensity . The system maintained tropical storm intensity inland while slowly weakening and moving westward , and the storm eventually weakened to a depression on August 23 while entering the eastern Florida Panhandle , and the system dissipated shortly afterwards near as it drifted over eastern Mississippi . The storm caused heavy rains across northern and central Florida , and winds of 40 miles per hour (64 km / h) were recorded near Titusville . Overall damage was minimal .

= = = Hurricane Ten = = =

This Cape Verde @-@ type hurricane was first detected in the eastern tropical Atlantic on August 25 . Moving northwest on August 29 , the system continued to strengthen , eventually reaching a peak of 110 miles per hour (180 km / h) as a Category 2 hurricane in the central North Atlantic on September 1 . The hurricane then began to curve northeast late on September 1 while maintaining intensity , eventually weakening to a 90 miles per hour (140 km / h) Category 1 hurricane on September 5 . The system became extratropical on September 6 , and the system dissipated while nearing the British Isles . As the system never affected land , no damage or casualties were reported .

= = = Hurricane Eleven = = =

A tropical storm was detected on August 28 in the far western Caribbean Sea . The system moved steadily west @-@ northwest , making landfall shortly afterwards on the Yucatán Peninsula as a 45 miles per hour (72 km / h) tropical storm . The system weakened slightly to a 40 @-@ mph (65 @-@ km / h) tropical storm as it steadily crossed the Yucatán , entering the Bay of Campeche late on August 28 . The system then began to slow down on August 29 while reintensifying , peaking as

an 80 @-@ mph (130 @-@ km / h) Category 1 shortly afterwards . The hurricane then began to move to the west @-@ southwest , making a final landfall near Tuxpan as a 75 @-@ mph (120 @-@ km / h) minimal hurricane on August 30 . The system quickly weakened to a tropical storm shortly after moving inland , and the weakening storm dissipated shortly afterwards .

Although advisories were issued for Mexico on August 29 and early on August 30 from the U.S. Weather Bureau in New Orleans , little overall damage was reported in mainland Mexico .

= = = Tropical Storm Twelve = = =

On September 7 , a ship reported southwest winds at a location about 405 miles (652 km) northeast of Antigua , indicating the presence of a tropical cyclone . The storm tracked to the west @-@ northwest without strengthening , and the following day no circulation was reported . It is estimated the storm weakened to a tropical depression and dissipated on September 8 while located about 235 miles (378 km) north @-@ northeast of Saint Martin , although it may have remained a tropical depression throughout its short lifespan . The storm never affected land .

= = = Hurricane Thirteen = = =

A tropical storm was first observed by a ship on September 8 while located about 750 miles (1 @, @ 210 km) east of Barbados . The storm moved northwestward , and slowly intensified to attain hurricane status on September 10 about 425 miles (684 km) northeast of Barbados . The hurricane continued to slowly strengthen as it decelerated its forward motion , and on September 15 it reached its peak intensity of 120 miles per hour (190 km / h) while located 375 miles (604 km) south @-@ southwest of Bermuda . By the morning of September 15 , the hurricane had winds exceeding 25 miles per hour (40 km / h) in a diameter of about 1 @, @ 000 miles (1 @, @ 600 km) , among the largest tropical cyclones on record . It slowly weakened as it approached the East Coast of the United States , and early on September 17 local weather bureaus began issuing storm warnings from Beaufort , North Carolina , to the Virginia capes . Late on September 18 , the hurricane passed within 45 miles (72 km) of the Outer Banks before it accelerated and turned to the northeast . It remained close to the Mid @-@ Atlantic and New England coastline , and passed near Nantucket before turning to the east @-@ northeast . The hurricane remained south of Atlantic Canada by a short distance , and became extratropical on September 21 while located about 480 miles (770 km) east of Cape Race , Newfoundland . The extratropical storm decelerated as it turned northeastward , and the system dissipated on September 25 .

In North Carolina , the hurricane produced winds of up to 90 miles per hour (140 km / h) in Manteo . Described as one of the worst hurricanes in record in Hatteras , the storm resulted in \$ 25 @, @ 000 in damage (1936 USD , \$ 360 @, @ 000 2006 USD) to roads and bridges and \$ 30 @, @ 000 in damage (1936 USD , \$ 440 @, @ 000 2006 USD) to buildings and piers . Very high tides were reported along the Outer Banks , with Nags Head losing about 35 feet (11 m) of beach . The hurricane destroyed the highway bridge along the Currituck Sound , and resulted in heavy crop damage in northeastern North Carolina . The hurricane was also considered among the worst hurricanes on record in the Norfolk , Virginia , area . Winds of up to 84 miles per hour (135 km / h) at Cape Henry destroyed windows , roofs , and some entire buildings , resulting in around \$ 500 @, @ 000 in damage (1936 USD , \$ 7 @. @ 3 million 2006 USD) . The hurricane produced a storm tide of 9 @. @ 3 feet (2 @. @ 8 m) in Sewell 's Point , Virginia , the second highest on record at that location . Two locations along the James River experienced record crest levels of over 20 feet (6 @. @ 1 m) . Rough seas washed several boats ashore , and shipping was cancelled in and out of Norfolk . The hurricane resulted in cancelled train service and increased traffic . The hurricane was indirectly responsible for two casualties . The first fatality occurred when debris from the hurricane struck a person in the head and later died . Another person drowned in the Elizabeth River in an effort to recover a rowboat blown adrift . Though hurricane warnings were posted for the northeast United States and hurricane @-@ force winds occurred there , damage , if any , is unknown .

== Tropical Storm Fourteen ==

A tropical storm moved northward into Acapulco in the middle of September . Its large area of disturbed weather organized in the Bay of Campeche and developed into a tropical storm on September 10 a short distance off the coast of Tabasco . The storm initially moved westward , then turned to the north . It remained a minimal tropical storm for its entire lifetime , and after turning to the north west it made landfall near Brownsville , Texas , on September 13 with winds of 50 miles per hour (80 km / h) . The system weakened over Texas , and dissipated over northern Coahuila on September 14 . Winds were generally minor from the storm , and tides were not much above normal . The storm resulted in heavy rainfall totaling 30 @. @ 00 inches (762 mm) at Broome , Texas , between September 15 and 17 . Anticipating further intensification , one bulletin from the local weather bureau recommended citizens on offshore islands to evacuate inland .

== Hurricane Fifteen ==

A tropical storm was first observed about 140 miles (230 km) north of Anguilla on September 19 . The storm moved northwestward and quickly attained hurricane status on September 20 . After turning to the northeast , the hurricane reached a peak intensity of 105 miles per hour (169 km / h) on September 21 while located about 500 miles (800 km) southwest of Bermuda . It turned to the north and slowly weakened . A cold front turned the hurricane to the northeast , and the system became extratropical on September 25 a short time before making landfall on southern Nova Scotia . Hours after hitting land , the extratropical remnant was absorbed by the approaching cold front . Impact , if any , is unknown .

== Tropical Depression ==

A tropical depression formed in the western Atlantic Ocean on September 25 . It moved west @-@ northwestward , making landfall on eastern Florida before entering the Gulf of Mexico on September 28 . The depression turned to the northwest , and struck land near Apalachicola as a minimal system . It dissipated over land on October 1 . The minimum central pressure in the depression was 1006 mbar . The depression produced winds of up to 35 miles per hour (56 km / h) in Tarpon Springs . Effects were minimal .

== Tropical Storm Sixteen ==

An area of disturbed weather persisted across the northwestern Caribbean Sea in early October . It tracked northwestward over the Yucatán Peninsula , and subsequent to the development of a low @-@ level circulation the system organized into a tropical storm on October 9 while located about 60 miles (97 km) northwest of the capital of Campeche . After moving northward , the storm turned sharply southward , and made landfall in northern Tabasco as a minimal tropical storm on October 10 . The system quickly weakened over land , and dissipated over Chiapas on October 11 . The system dropped heavy rainfall across southeastern Mexico , though damage , if any , is unknown .

== Tropical Storm Seventeen ==

Toward the end of November , a cold front was moving eastward across the central Atlantic Ocean . A broad low formed on November 28 , but it was not evident by two days later . Another low formed on December 2 to the west @-@ southwest of the Canary Islands , which was an occluded low . It moved to the west @-@ northwest and became more tropical , finally transitioning into a tropical storm by December 4 . The transition to a tropical cyclone was determined on ships reporting gale @-@ force winds near the center , although it is possible the system was a subtropical cyclone instead . On December 6 , the storm turned to the west @-@ southwest and reached its peak winds of 65 mph (100 km / h) . An approaching cold front caused the storm to become extratropical early

on December 7 . After reaching a position to the northeast of the Lesser Antilles , the extratropical storm turned to the northwest on December 10 , later turning to the northeast on December 14 . A larger extratropical low absorbed the storm on December 16 .

= = Accumulated Cyclone Energy Rating (ACE) = =

The table below shows the ACE for each storm in the season . Broadly speaking , the ACE is a measure of the power of the hurricane multiplied by the duration of its lifetime ; thus , hurricanes that lasted a long time (such as Thirteen) have higher ACEs . Despite the high number of storms , most were relatively short @-@ lived and weak , and the ACE only suggested a near @-@ normal season . The ACE rating is only calculated for full advisories on tropical systems at or exceeding 35 knots (40 mph ; 65 km / h) or tropical storm strength .