

= 1957 Pacific hurricane season =

The 1957 Pacific hurricane season was a moderately active year in which 13 tropical cyclones formed . The hurricane season ran through the summer and fall months which conventionally delimit the period during which most tropical cyclones form in the northeastern Pacific Ocean . The first tropical cyclone developed on July 15 . The final storm dissipated on December 6 , becoming one of the few Pacific storms to exist outside of the seasonal dates . Of the season 's 13 storms , five of these formed or crossed into the central Pacific .

During the season , five storms impacted land . Hurricane Twelve was the deadliest , leaving eight casualties in Mazatlán and the costliest was Hurricane Nina , causing an estimated \$ 100 @, @ 000 in losses . In addition to the damage , four people were killed by Nina in Hawaii . Hurricane Six killed seven people and Hurricane Ten killed two in Mexico .

= = Storms = =

= = = Hurricane Kanoa = = =

The first hurricane of the season was identified by the National Weather Bureau in San Francisco , California on July 15 . The previous day , the S.S. Garvel Park recorded sustained winds of 50 mph (85 km / h) when it was situated roughly 75 mi (120 km) south of Manzanillo , Mexico . Although listed as a Category 1 hurricane for its entire known existence by the hurricane database , the storm was not confirmed to have attained hurricane intensity until July 21 . The storm took a steady westward track during the early portion of its existence in response to a strong ridge located north of Hawaii . On July 18 , the National Weather Bureau discontinued advisories on the storm as no information on it was being received .

On July 21 , a vessel named Cape Horn relayed information regarding the storm to the National Weather Bureau , leading to them re @-@ issuing advisories on the storm , upgrading it to a hurricane . The following day , a reconnaissance mission from Oahu , Hawaii located the storm 's 40 mi (65 km) wide eye and recorded sustained winds of 80 mph (130 km / h) and gusts up to 115 mph (185 km / h) . Shortly after , the storm likely attained its peak intensity as a high @-@ end Category 1 hurricane , with winds of 85 mph (140 km / h) . Early on July 23 , warning responsibility of the storm was given to the National Weather Bureau in Honolulu , Hawaii .

Upon transferring responsibility , the hurricane was given the name Kanoa , the Hawaiian name meaning " the free one " . As the storm approached Hawaii , it began to weaken as convection filled the eye . The storm 's track mirrored that of the shipping lane between the Panama Canal and Hawaii , leading to several ships being affected . Colder air also began to enter the circulation , leading to further weakening . By the time the system reached Hawaii , it was no more than an area of disturbed weather . The remnants of Kanoa persisted until July 26 , at which time they dissipated over the Hawaiian Islands . The remnants of the storm brought beneficial rainfall to most of Hawaii , with heavy rains being reported in parts of the Big Island .

= = = Hurricane Two = = =

Roughly two weeks after Kanoa dissipated , the season 's second hurricane was identified over the open waters of the eastern Pacific on August 6 . This storm traveled in a similar fashion to Kanoa in response to a high pressure system over the northern Pacific . By August 9 , the system turned northwest and weakened . Cold , dry air began to enter the storm as it accelerated over cooler waters . Several reconnaissance missions were flown into the storm due to rapid changes in the storm 's wind field and structure . Late on August 10 , the system intensified into a Category 1 hurricane and its forward motion slowed as it turned more westward .

Although at an unusual latitude , the storm maintained this intensity for over a day before weakening to a tropical storm . During the afternoon of August 13 , the small system re @-@

intensified into a hurricane . Reconnaissance reported that gale @-@ force winds extended no more than 100 mi (155 km) from the storm 's eye . Shortly thereafter , the system further intensified into a Category 2 hurricane , attaining maximum winds of 105 mph (160 km / h) . Weather maps at the time depicted the storm as having a minimum pressure of 987 mbar (hPa) . By August 14 , the storm began to weaken once more , gradually becoming a tropical storm on August 15 . After turning northward , the cyclone became extratropical at a high latitude of 39 @. @ 8 ° N.

= = = Hurricane Three = = =

As Hurricane Two intensified over open waters , the season 's third storm was identified on August 9 . Initially tracking westward , the hurricane turned sharply north , maintaining an intensity of 85 mph (140 km / h) during its known existence . Briefly slowing on August 11 , the system quickly picked up forward speed as it turned northwestward , paralleling the coastline of the Baja California Peninsula . On August 14 , the hurricane turned north once more ; however , it lost its identity the following day off the coast of Baja California .

= = = Hurricane Della = = =

Hurricane Della was first identified on September 1 southeast of Hawaii as a tropical depression . The depression quickly intensified into a tropical storm as it traveled northwest ; however , operational advisories were not issued until September 3 . By that time , a ship reported they had encountered a storm and recorded winds of 100 mph (155 km / h) . Radar images also depicted an eye had developed within the storm . After becoming a hurricane , Della began a gradual turn towards the southwest . During the day on September 4 , the storm passed roughly 10 mi (15 km) south of the French Frigate Shoals , bringing strong winds gusting up to 110 mph (175 km / h) . During the storm 's passage , a pressure of 980 mbar (hPa) was recorded , the lowest in relation to the storm . By September 9 , Della began to turn westward as it approached the International Date Line with winds of 85 mph (140 km / h) .

During the day , the storm crossed 180 ° , entering the western Pacific basin and being re @-@ designated as a typhoon . The storm tracked steadily northwestward , attaining a peak intensity of 125 mph (205 km / h) , a high @-@ end Category 3 storm , before turning back towards the east . The storm gradually weakened , transitioning into an extratropical cyclone on September 17 and again crossing the International Date Line . The system dissipated shortly thereafter over open waters . Throughout its existence , Hurricane / Typhoon Della traveled roughly 5 @, @ 000 mi (8 @, @ 000 km) , the longest known track of any Pacific hurricane at the time .

= = = Tropical Storm Five = = =

The fifth tropical cyclone of the season was first identified as a tropical storm several hundred miles southeast of Hawaii on September 9 . The storm quickly attained winds of 50 mph (85 km / h) before weakening . By September 11 , the system weakened to a tropical depression . Later that day , the system entered an area with no ships available for reporting . However , no ships reported a storm in the region for several days , signifying the depression 's dissipation .

= = = Hurricane Six = = =

On September 17 , a new hurricane was identified just off the southern coast of Mexico with winds of 85 mph (140 km / h) . Moving northwestward , the storm eventually made landfall near Acapulco , Mexico at this intensity . Shortly after moving over land , the storm lost its identity .

High winds and heavy rains from the storm caused moderate damage to structures and vessels throughout Acapulco , Mexico . Several roads were washed out or flooded by the storm . Seven people were killed throughout the region by the storm , including one U.S. citizen who was electrocuted by a downed power line .

== Tropical Storm Seven ==

Several days after Hurricane Six lost its identity over Mexico , a new tropical storm formed near the southern edge of the Gulf of California on September 20 . Some forecasters stated that the system may have been the remnants of the preceding storm which regenerated . However , the Hurricane Database did not confirm this . The system tracked nearly due north , attaining maximum winds of 50 mph (85 km / h) , nearing the coastline of Mexico several times . However , the storm did not make landfall during its existence . On September 22 , it turned westward before dissipating just off the coast of Baja California Sur .

== Tropical Storm Eight ==

The fifth tropical cyclone to form or enter the central Pacific was first identified on September 25 several hundred miles south of the Hawaiian Islands . Traveling nearly due west , the storm attained an intensity of 50 mph (85 km / h) before weakening . By September 27 , the storm weakened to a tropical depression and later dissipated on September 28 over open waters .

== Tropical Storm Nine ==

The shortest lived storm of the season , Tropical Storm Nine , formed south of Mexico on September 26 . The system attained peak winds of 50 mph (85 km / h) during its existence . Later that day , the center of the storm relocated several dozen miles to the west . Shortly thereafter , the storm dissipated on September 27 over open waters .

== Hurricane Ten ==

The tenth known storm of the season was identified on October 1 several hundred miles southwest of the tip of the Baja California Peninsula . Maximum winds observed during the storm 's existence reached 85 mph (140 km / h) ; however , no air pressure was recorded . Initially tracking westward , the system turned northwest and later northeast by October 3 . After a brief acceleration on October 4 , the hurricane slowed as it neared the coastline of Baja California . Early on October 5 , the storm crossed the Peninsula as a Category 1 hurricane before entering the Gulf of California . The hurricane made another landfall near Navojoa , Mexico later that day . Rapid weakening took place as the storm moved over the high terrain over northern Mexico . Early on October 6 , the system transitioned into an extratropical cyclone over New Mexico before dissipating several hours later .

At least two people were killed after their home collapsed on them a result of the storm in Mexico . Severe cotton crop damage was reported in the Mexican states of Sonora and Baja California Sur and bridges were washed away by flood waters .

== Hurricane Eleven ==

The season 's eleven known storm identified several hundred miles south of Mexico on October 17 . Quickly tracking northwestward , the storm attained an intensity of 85 mph (140 km / h) during its existence . Early on October 19 , the hurricane turned due north , brushing the coastline of Mexico before dissipating just offshore the following day .

== Hurricane Twelve ==

The strongest storm of the season , Hurricane Twelve , was first identified as a tropical depression several hundred miles southwest of Sonora , Mexico on October 20 . Tracking northeastward , the system gradually intensified into a tropical storm . Late on October 21 , the storm underwent a brief

period of explosive intensification , strengthening from a 50 mph (85 km / h) tropical storm to a 140 mph (220 km / h) Category 4 hurricane in roughly six hours . The hurricane maintained this intensity for a further six hours before making landfall near Mazatlán . Rapid weakening took place as the hurricane moved inland , with the system dissipating during the afternoon of October 22 .

Throughout the affected region , eight people were killed by the storm . Extensive property damage was reported in the region , including the complete collapse of the local baseball stadium . Power lines and telegraph wires were downed throughout the region and high winds reportedly tossed vehicles into buildings . Many shrimp trawlers sank in the storm , leaving substantial losses in Mexico 's shrimping industry .

= = = Hurricane Nina = = =

The last storm of the 1957 season , Hurricane Nina , was an unusually late @-@ forming system . It was first identified on November 29 as a tropical storm to the southwest of Hawaii . Steadily tracking north @-@ northeast , the storm intensified into a Category 1 hurricane , by which time it was given the name Nina . As it approached Hawaii , the National Weather Bureau issued warnings for the storm , advising residents to take precaution and possibly evacuate . However , the storm turned westward before moving over the Hawaiian Islands with winds of 85 mph (140 km / h) . Gradual weakening took place as the storm continued to move over open waters . Nina eventually dissipated after turning south on December 6 .

Waves up to 35 ft (11 m) damaged up to 50 homes across Hawaii and roughly 12 of them being destroyed on Kauai alone . One person was killed on land after being electrocuted by a downed power line . Offshore , a sampan called the Setsu Maru sent a distress call reporting that the boat was sinking 10 miles east of Niihau . All three people aboard the boat were reported dead as a result . In all , damage from the hurricane was estimated at \$ 100 @,@ 000 .

= = Storm names = =

During 1957 , hurricanes that formed east of 140 ° W were not given names by the local warning center . Those that either crossed or formed west of that point were named by the National Weather Bureau in Honolulu , Hawaii . These names were taken from the names used for Pacific typhoons . Three names were used in 1957 , they were Kanoa , Della and Nina . Due to the lack of major damage from these storms , their names were not retired . However , once the Central Pacific adopted its own naming scheme , these names were no longer used .

= = Season effects = =

This is a table of the storms in 1957 and their landfall (s) , if any ; the table does not include storms that did not make landfall , which is defined as the center of the storm moving over a landmass . Deaths in parentheses are additional and indirect (an example of an indirect death would be a traffic accident) , but are still storm @-@ related . Damage and deaths include totals while the storm was extratropical or a wave or low .