

= 1983 Pacific hurricane season =

The 1983 Pacific hurricane season was the longest season ever recorded at that time . The 1983 Pacific hurricane season started on May 15 , 1983 in the eastern Pacific , and on June 1 , 1983 in the central Pacific , and lasted until November 30 , 1983 . These dates conventionally delimit the period of each year when most tropical cyclones form in the northeastern Pacific Ocean . During the 1983 season , there were 21 named storms , which was slightly less than the previous season . Furthermore , eight storms reached major hurricane status , or Category 3 or higher on the Saffir ? Simpson hurricane wind scale (SSHWS) . The decaying 1982 @-@ 83 El Niño event likely contributed to this level of activity . That same El Niño influenced a very quiet Atlantic hurricane season .

The first storm of the season , Hurricane Adolph became the southernmost @-@ forming east Pacific tropical cyclone on record after forming at a latitude of 7 @. @ 1 ° N. After a slow start , activity picked up in July , when Hurricane Gil moved through the Hawaiian Islands , resulting in moderate damage . In early August , Hurricane Ismael was responsible for three deaths and \$ 19 million (1983 USD) in damage . During early September , Hurricanes Kiko and Lorena brought significant damage and seven deaths to southern Mexico . About a month later , Tropical Storm Octave became the worst tropical cyclone on record to affect Arizona . Octave killed 15 people , and caused \$ 500 million in damage to Arizona and \$ 12 @. @ 5 million to New Mexico . Later in October , Hurricane Tico was a very intense hurricane at the time of its landfall and thus left 25 @, @ 000 homeless . Damage throughout the country was estimated at \$ 200 million while 135 deaths were reported in Mexico . Although most of its impact occurred in Mexico , Tico 's remnants brought significant flooding in the Central United States , resulting in six deaths and \$ 42 million in damage . A few days later , Hurricane Raymond posed a threat to Hawaii , but did little actual damage . The final storm of the season , Hurricane Winnie , was a rare December cyclone .

= = Seasonal summary = =

During the 1983 season , a total of 21 named storms formed , which was well @-@ above the average of 15 .

However , this total was slightly less active than the 1982 Pacific hurricane season , which saw a then @-@ record 22 storms form . However , 1983 was at that time the most active season in the Eastern Pacific Hurricane Center (EPHC) warning zone , but this record itself was surpassed during the 1985 Pacific hurricane season , and again in the 1992 Pacific hurricane season . Additionally , 12 storms reached hurricane intensity , which was above the average of eight . Of the 12 hurricanes , eight attained Category 3 intensity or higher on the SSHWS . The season started on May 21 with the formation of Adolph and ended on December 9 , with the dissipation of Hurricane Winnie . Lasting 201 days , 1983 was the longest season on record . There were a total of 1 @, @ 238 storm hours , which was the most in four years . Despite the activity in the EPHC 's warning responsibility , only two storms formed in the Central Pacific Hurricane Center (CPHC) 's area of responsibility , both of which stayed depressions . A moderate El Niño was present throughout the season , with water temperatures across the equatorial Central Pacific was nearly 5 ° F (0 @. @ 6 ° C) above normal . The Pacific decadal oscillation (PDO) was in a warm phase during this time period . Both of these factors are known to enhance Pacific hurricane season activity . Furthermore , 1983 was in the middle of an era where all but the 1988 Pacific hurricane season was near or above average . Also despite a relatively active season , no storms developed within the Central Pacific basin .

One storm in 1983 formed in May , an event the occurs every other year on average . Another storm formed in June , which was below the average of 1 @. @ 7 storms per June . Despite a somewhat slow start , activity picked up in July , where 6 storms formed . This was twice the average , though only two of the storm thus far had exceeded hurricane intensity . Although August was less active , with only 3 storms developing , compared to the average of 4 , two of the storms that formed in July lasted into the early part of the month . However , activity picked back up again in

September , with 5 storms forming , which was above the average of 3 . Three storms also formed in October , which was two storms above normal . One storm developed in November as well , a somewhat unusual occurrence . For the first time since 1947 , a hurricane developed in December .

Three storms during the season made landfall on Mexico . The first , Adolph did so in May . The second , Tico , hit near Mazatlán as a powerful hurricane , resulting in severe damage . Around this time , a weak tropical depression made landfall along the western portion of the nation as well . In addition , Tropical Depression Raymond made landfall on Hawaii in late October . Hurricane Hunters flew in to 2 storms within the EPHC zone (Manuel and Ismael) . Moreover , they flew into 3 storms in CPHC 's area of responsibility , Tropical Storms Gil and Narda , and Hurricane Raymond .

= = Storms = =

= = = Hurricane Adolph = = =

On May 21 , a tropical depression formed 500 mi (805 km) southwest of Managua , at a latitude of 7 @. @ 1 ° N , becoming the southernmost @-@ forming tropical cyclone in the east Pacific basin . As the depression headed gradually west @-@ northwestward over extremely warm sea surface temperatures , it steadily intensified . Later that day , the depression intensified into Tropical Storm Adolph . Further intensification occurred as Adolph headed west @-@ northwestward ; by May 24 , the EPHC reported that Adolph had strengthened into a hurricane , setting a then @-@ record for the earliest known hurricane in the basin , though this was later surpassed by Hurricane Alma in May 1990 . Shortly thereafter , the storm turned northwestward and intensified into a Category 2 hurricane on the SSHWS . Around that time , Adolph attained its peak intensity with winds of 110 mph (175 km / h) as the storm briefly developed a well @-@ defined eye . At that time , Adolph was the strongest May hurricane on record . However , this record was broken by a hurricane in 2001 that was also named Adolph .

Following peak intensity , Adolph gradually weakened to a Category 1 hurricane . By May 25 , Adolph curved sharply north @-@ northeastward , as a result of being steered by anticyclonic deep @-@ layer mean . Despite being situated over fairly warm waters , Adolph weakened considerably due to increased wind shear . Although the EPHC expected the storm to stay at sea , Adolph curved north @-@ northeastward . It was then downgraded to a tropical storm on May 25 . Rapidly weakening , Tropical Storm Adolph moved onshore near Puerto Vallarta early the next day . After briefly moving offshore , it again made landfall near Mazatlán at 0800 UTC that day . Adolph soon dissipated over land , becoming the first of two storms to strike the Pacific coast of Mexico during the season . Because Hurricane Adolph weakened significantly prior to landfall , no deaths or major damage occurred . However , the remnants of the storm brought heavy showers and gusty winds to Florida . Although a modern Pacific hurricane season begins May 15 , one newspaper considered Adolph a " pre @-@ season " storm .

= = = Hurricane Barbara = = =

A tropical disturbance was first observed in early June about 210 mi (340 km) south of Guatemala , and headed westward . The tropical disturbance intensified , and became the second tropical depression of the season on June 9 . After staying a tropical depression for 24 hours , the system was subsequently upgraded to Tropical Storm Barbara . Initially , Barbara was expected to come very close to the Mexican coast ; however , this failed to happen . At first , Tropical Storm Barbara moved west @-@ northwest , though on June 11 , the cyclone turned west @-@ northwest while gradually gaining intensity . At 1800 UTC on June 12 , Barbara was estimated to have attained hurricane status while centered 175 mi (280 km) north of Clipperton Island . Shortly after becoming a hurricane , rapid deepening commenced , and by early the next morning , the hurricane was a high @-@ end Category 1 . Six hours later , Barbara skipped Category 2 status , and became a major hurricane . At 1800 UTC on June 13 , Hurricane Barbara was upgraded into a category 4

hurricane on the SSHWS while its peak strength of 135 mph (215 km / h) . At peak , Barbara had a " fantastic eye " .

Hurricane Barbara held on to peak intensity for a day . Thereafter , Barbara slowly weakened after peak intensity as it began to encounter cooler water temperatures , while moving slowly northward around the western edge of a high pressure area over central Mexico . By the early morning hours of June 16 , the hurricane was positioned 380 km (235 mi) west @-@ southwest of Socorro Island and about 500 mi (805 km) west of the coast of Mexico . Later that day , Barbara weakened into a tropical storm due to strong wind shear . Barbara was downgraded to a tropical depression early on June 17 . Further weakening persisted , and Barbara dissipated on June 18 . At the time of dissipation , the system was situated several hundred miles west @-@ southwest of the Baja California peninsula .

== Tropical Storm Cosme ==

A westward @-@ moving low @-@ latitude tropical disturbance was declared a tropical depression early on July 2 . After making a turn northwest , the depression maintained its intensity for 42 hours . By 1200 UTC on July 4 , the system was finally upgraded into a tropical storm after convection increased in coverage . However , Cosme failed to intensify further , and after encountering cooler waters , the storm rapidly dissipated . The EPHC declared Cosme dissipated at 1800 UTC on July 5 .

== Tropical Storm Dalilia ==

An intense area of thunderstorms developed 230 mi (370 km) south of the Gulf of Tehuantepec on July 4 . The system was first classified as a tropical depression at 1800 UTC on July 5 roughly 345 mi (555 km) south @-@ southeast of Acapulco . Turning west @-@ northwest and then northwest while accelerating , the EPHC upgraded the depression into Tropical Storm Dalilia at 1800 UTC on July 6 . Continuing to gain strength , Dalila reached its peak intensity as a strong tropical storm early on July 8 . After turning west the tropical storm started to lose strength while encountering colder water . At 0600 UTC on July 10 , Tropical Storm Dalilia had been downgraded into a tropical depression . Two days later , the EPHC reported that the tropical cyclone had dissipated .

== Tropical Storm Erick ==

Tropical Storm Erick originated from a tropical wave that crossed Central America on July 9 and July 10 . At 0600 UTC on July 12 , the EPHC reported that it had upgraded the disturbance into a tropical depression . The depression moved steadily west @-@ northwest under the influence of an anticyclone over the Yucatán Peninsula . The system gradually intensified over waters as warm as 86 ° F (30 ° C) and at 0000 UTC on July 13 , the agency upgraded the low into a tropical storm . Tropical Storm Erick reached its peak intensity on July 14 as a high @-@ end tropical storm . The storm maintained peak intensity for 24 hours , before encountering cooler water . Rapidly weakening , Erick dissipated on July 16 far from land .

== Tropical Storm Flossie ==

A tropical disturbance developed 70 mi (115 km) southwest of Manzanillo late on June 16 . Several hours later , the disturbance was classified as a tropical depression . Initially , the depression drifted southward , but at 1800 UTC on July 17 , the system suddenly turned west @-@ northwest and accelerated . The storm gradually intensified while passing northeast of Socorro Island . Midday on July 19 , the tropical depression was upgraded into Tropical Storm Flossie . Six hours later , Tropical Storm Flossie reached its peak wind speed of 60 mph (95 km / h) . While the storm approached the Baja California peninsula , the storm ultimately turned west into an area of cool water and high amounts of wind shear . By 0000 UTC on July 21 , Flossie weakened into a

tropical storm . Twelve hours later , Flossie ceased to exist as a tropical cyclone .

== Hurricane Gil ==

The seventh tropical cyclone of the season developed during the afternoon hours of July 23 north of Clipperton Island . Thereafter , the EPHC upgraded the depression to Tropical Storm Gil on July 24 . Gil subsequently began to intensify ; on 0000 UTC July 26 , the storm was upgraded into a Category 1 hurricane . Early on July 27 , the storm attained its peak intensity of 90 mph (145 km / h) . Despite turning west @-@ northwest , Hurricane Gil maintained hurricane intensity until July 29 when the storm began to encounter cooler waters . Two days later , Gil was downgraded a tropical depression . After entering CPHC 's warning zone on August 1 , the CPHC Gil was re @-@ upgraded into a tropical storm . Gil accelerated while approaching the Hawaiian Islands ; on August 3 , the tropical cyclone reached its secondary peak of 45 mph (70 km / h) . After passing through the Hawaiian islands , Gil passed very close to French Frigate Shoals on August 4 as a marginal tropical storm . Early on August 5 , the system was downgraded into a tropical depression and degenerated into a trough about 300 mi (485 km) west @-@ northwest of Tern Island later that day .

Prior to arrival of Gil , gale warnings were issued for much of the islands , but on August 2 , these warnings were discontinued for all islands except for Kauai . Jellyfish stung 50 tourists . On the northern part of the island , 70 mph (115 km / h) winds were reported , resulting in extensive damage in some areas , but slight damage to others . A minor power outage on the island briefly left 2 @, @ 400 customers without electricity . In Maui , the outer rainbands of Gil led to minor flooding . Overall , damage from Gil was minimal and less than expected . Offshore , one person was presumed to have died when a 19 ft (5 m) catamaran , named Hurricane , went missing . Additionally , the 30 @-@ foot ship Adad nearly sunk in the storm and all three people on board sustained injuries .

== Hurricane Henriette ==

While Tropical Storm Gil was moving westward , a tropical disturbance began to develop about 180 mi (290 km) south of the Guatemala coastline . After developing a circulation , the system was upgraded into a tropical depression on July 27 . Moving west @-@ northwest , the depression strengthened into Tropical Storm Henriette at 1800 UTC that day . Henriette continued to deepen , and by late on July 28 , the storm attained winds of 65 mph (105 km / h) . Although initially expected to pose a threat to Hawaii , this did not occur . It rapidly intensified , and late on July 28 , the EPHC upgraded the storm into a hurricane . While turning west @-@ southwest on a track similar to Gil 's , it attained Category 2 intensity on July 29 . At 0000 UTC on July 30 , Henriette was upgraded into a Category 3 hurricane . After leveling off in intensity , the storm passed within 70 mi (115 km) within Clipperton Island . Hurricane Henriette attained its peak intensity early on July 31 , with winds of 135 mph (215 km / h) , a Category 4 system . At peak , Henriette displayed a well @-@ defined eye .

After continuing west @-@ northwest for 12 hours , it then veered northwest and began to encounter cooler ocean temperatures . Henriette was slow to weaken , and by August 2 , it was downgraded into a Category 2 hurricane . Two days later , Henriette was downgraded into a tropical storm . A strong trough of low pressure pulled Henriette northwest , and later north . On August 5 , the storm was downgraded into a tropical depression . The storm dissipated the next day at a high latitude , though the remnants of Henriette brought cloud cover to Oregon and Washington .

== Tropical Depression Nine @-@ E ==

On July 30 and 31 , a tropical disturbance crossed Central America . At a low latitude , a tropical depression was declared on August 3 . At first , the storm was expected to turn west @-@ northwest , but it continued west instead . Nine failed to intensify despite being situated over warm

water . The depression dissipated on August 7 later over somewhat cooler water .

== Hurricane Ismael ==

The origins of Hurricane Ismael were from a northward bulge of the Intertropical Convergence Zone (ITCZ) in early August , which resulted in the formation of a tropical depression on August 8 . Six hours later , it was upgraded into Tropical storm Ismael . Continuing to intensity , Ismael was upgraded into a hurricane late on August 10 and subsequently developed an eye . The storm soon reached its peak of 100 mph (160 km / h) . Late on August 11 , Hurricane Ismael began to weaken as it encountered cooler waters and the hurricane was soon downgraded to a Category 1 on the SSHWS . The following day , Ismael was downgraded into a tropical storm about 380 mi (610 km) west of the Baja California peninsula . On August 14 , the storm was downgraded into a tropical depression while centered about 250 mi (400 km) west of Point Ensenada . Manuel dissipated that day .

While still out at sea , Ismael brought 6 ? 9 ft (1 @. @ 8 ? 2 @. @ 7 m) waves to much of Southern California , though waves from the storm were less than expected . One person was swept away at a beach . The remnants of the storm later moved over South California , resulting in moderate rainfall . The Yucca Valley was the worst hit by the storm , where nearly every road was washed out . Almost 50 @, @ 000 residents in Palm Springs were isolated due to rains . A tornado near Los Angeles led to minor damage . In San Bernardino , many buildings were destroyed , forcing numerous evacuations . Around 80 @, @ 000 homes were left without power across the Inland Empire . Moreover , three interstates were closed . In all , minor injuries were reported and three people died in San Bernardino when their car swept into a channel . Damage from the storm totaled \$ 19 million (1983 USD) . After affecting California , the remnants of the hurricane moved into Nevada . Many parking lots in Laughlin were flooded . Two small towns were also isolated . Several major streets in the outskirts of Las Vegas were closed because of flooding .

== Tropical Depression Eleven @-@ E ==

The eleventh cyclone of the 1983 season formed from an intense area of thunderstorms located over the Yucatán Peninsula on August 11 and 12 . After crossing the Mexican mainland , it emerged into the Pacific basin near Guadalajara early on August 13 . After turning northwest , it intensified into a depression two days later after showing sign of a circulation . The depression continued northwest with little change in wind speed , and on August 16 , about 24 hours after formation , the depression dissipated after its circulation ceased very close to landfall on the Baja California peninsula .

== Tropical Depression One @-@ C ==

Tropical Depression One @-@ C formed on August 19 far from land , with winds of 35 mph (56 km / h) . It moved steadily west . Despite being over warm waters , One @-@ C quickly weakened and lost deep convection . The depression dissipated on August 20 after briefly developing a closed circulation .

== Tropical Storm Juliette ==

Tropical Storm Juliette originated from a tropical depression that first formed on August 24 130 mi (210 km) east @-@ northeast of Clipperton Island . Moving west @-@ northwest and briefly west , the depression gradually intensified . The system then turned northwest around a ridge off the west coast of Baja California Sur . At 1800 UTC on August 26 , the EPHC announced that the depression had strengthened into a tropical storm . Moving toward a strong trough off the west coast of the peninsula , Juliette reached its peak intensity as a mid @-@ level tropical storm early on August 29 , with winds of 60 mph (95 km / h) . Upon attaining peak intensity , Juliette developed an eye .

However , Juliette began to weaken over cooler water . Meanwhile , the trough weakened and Tropical Storm Juliette headed west . On August 30 , the EPHC remarked that Juliette was downgraded into a depression . Two days later , Tropical Depression Juliette had dissipated over cold water .

== Tropical Depression Two @-@ C ==

A disturbance in the ITCZ developed a circulation on August 29 and organized into a tropical depression two days later . Traveling west @-@ northwest , Two @-@ C was initially in a favorable environment , and was thus expected to become a tropical storm . However , it soon encountered a trough and dry air , which arrested development . It crossed the international dateline on September 1 and the Joint Typhoon Warning Center began issuing advisories on the system . The depression gradually weakened and dissipated on September 8 . Its remnants lingered near the Marshall Islands for a few more days .

== Hurricane Kiko ==

Hurricane Kiko originated from a tropical disturbance that crossed Central America on August 26 and 27 . After emerging into the Pacific , the disturbance moved steadily westward . At 0600 UTC on August 31 , the EPHC classified the system as a tropical depression about 300 mi (485 km) south of Salina Cruz . A well @-@ developed ridge was centered over New Mexico and was moving southward , causing light wind shear over the system . At 1800 UTC on August 31 , the depression intensified into Tropical Storm Kiko . Initially expected to turn west and head out to sea , the storm moved northwest while paralleling the Mexican coast . Early on September 1 , Kiko began to explosively deepen , and by 1800 UTC , it intensified into a Category 3 hurricane on the SSHWS , bypassing both Category 1 and 2 status . Six hours later , the EPHC reported that Kiko had intensified into a low @-@ end Category 4 . After remaining at this intensity for 30 hours , the hurricane resumed intensification , attaining its peak intensity of 145 mph (235 km / h) late on September 3 about 400 mi (645 km) west of Lázaro Cárdenas .

Shortly after its peak , a combination of cooler waters and increased wind shear associated with the subtropical jetstream resulted in rapid weakening . Hurricane Kiko was soon downgraded to Category 3 status on the SSHWS , before briefly re @-@ intensifying on September 4 . That day , Kiko resumed weakening and was downgraded to a Category 2 as the storm turned west @-@ northwest away from the Mexican coast . On September 5 , the storm was downgraded into a Category 1 system ; by this time , the EPHC revised their forecast and expected the storm to accelerate and approach Baja California . On September 7 , Kiko weakened into a tropical storm . Subsequently , the system turned north and was downgraded to a tropical depression the next day . Now devoid of convection , Kiko dissipated early on September 9 about 450 mi (725 km) west @-@ southwest of Baja California .

The outer rainbands of Hurricane Kiko caused considerable damage to homes and hotels situated near the coast of Mexico , forcing the evacuation of hundreds . The resorts of Tecomán and Manzanillo were the worst hit by the storm . Outside of Colima , however , little damage was reported . Kiko brought high clouds to the extreme southwestern portion of the Baja California Peninsula for four days . While at sea , Hurricane Kiko was responsible for 12 ft (3 @.@ 7 m) waves along Newport Beach , California , resulting in more than 100 lifeguard rescues . As a weakening tropical system , Kiko brought subtropical moisture and high clouds to California .

== Hurricane Lorena ==

Towards the end of the first week of September , the next cyclone of the season was starting to form south of the Mexican coast . A disturbance moved westward and was classified as a tropical depression about 90 mi (145 km) south of Acapulco early on September 6 . Like Kiko , the storm deepened rapidly , and was upgraded into a tropical storm at 1800 UTC that day . Initially moving

very slowly , the storm made a sharp turn northwest , parallel to the coast of Mexico . Accelerating , a poorly defined eye first became visible on satellite imagery around 1500 UTC on September 7 . The EPHC upgraded Lorena into a hurricane three hours later . Early the next day , Lorena intensified into a Category 2 hurricane . At 1200 UTC on September 8 , Lorena attained winds of a Category 3 hurricane on the SSHWS ; simultaneously , the storm reached its peak intensity , with winds of 115 mph (185 km / h) .

After maintaining peak intensity for six hours , Lorena began to weaken over cooler waters . Very early on September 9 , the EPHC downgraded Lorena weakened into a Category 1 hurricane ; the storm was expected to emerge into the southern Gulf of California in about 48 hours and thereafter meander . However , this did not occur . Meanwhile , Lorena was re @-@ upgraded into a Category 2 hurricane , an intensity of which it held on to for 12 hours . After briefly weakening back to a Category 1 hurricane , Lorena moved west @-@ northwest and into a low wind shear environment . Subsequently , Lorena attained its secondary peak with winds of 105 mph (170 km / h) while passing about 150 mi (240 km) south of Cabo San Lucas . However , cooler water began to take its toll on the storm and on September 12 , the storm was downgraded into a Category 1 . Later that day , Lorena weakened into a tropical storm due to a combination of strong shear and cold sea surface temperatures . Midday on September 13 , the EPHC downgraded the system into a tropical depression . Furthermore , the system dissipated 18 hours later . At the time of dissipation , Lorena was centered about 750 mi (1 @,@ 205 km) west @-@ southwest of San Diego .

Hurricane Lorena brought rough surf and squally weather to much of the coast of Mexico , particularly Manzanillo . Furthermore , it was also responsible for \$ 33 @,@ 000 in damage to Acapulco . Seven people died due to flooding . Four ships drowned in the storm ; as a result , many local ports were closed . In addition , a mudslide blocked a portion of the Pan @-@ American Highway .

= = = Hurricane Manuel = = =

A vigorous tropical disturbance was first noted on September 10 south of the Gulf of Tehuantepec . Despite the presence of wind shear , the EPHC upgraded system into a tropical depression at 0600 UTC on September 12 and a tropical storm at 1200 UTC that day while centered around 300 mi (485 km) south of Puerto Escondido . Manuel reached hurricane strength early on September 14 . Several hours later , Manuel reached a secondary peak wind speed of 90 mph (145 km / h) . However , this trend was short lived , and very early on September 15 , the storm 's wind diminished to 75 mph (120 km / h) , only to reintensify again that evening . Early on September 16 , Manuel turned towards the north while developing a small eye . Hurricane Manuel maintained winds of 90 mph (145 km / h) for a day before the EPHC upgraded Manuel into a Category 2 hurricane . On September 17 , however , Manuel developed a much larger and well @-@ defined eye ; that afternoon ; Manuel reaching its peak intensity of 115 mph (185 km / h) as a major hurricane .

The storm held onto major hurricane winds for 12 hours before subsequently weakening . At 0000 UTC on September 18 , the eye collapsed as it began to encounter colder ocean temperatures . Manuel was intercepted by a Hurricane Hunter aircraft that day , which found no evidence of an eyewall , thus , Manuel was downgraded into a tropical storm about 600 mi (965 km) south of San Diego . After turning north @-@ northeast , Hurricane Hunters penetrated the storm for the second time , noting that the storm was a swirl of clouds . On September 19 , the EPHC downgraded the system into a depression . The following day , Manuel made landfall along the eastern portion of Guadalupe Island before dissipating at 1200 UTC .

The remnants of Hurricane Manuel later brought rain to the southwestern United . The outer rainbands of Manuel began to produce moisture over the region on September 18 , and continued until September 21 . In the mountains and deserts of California , the storm brought heavy rains across . A laboratory near Palm Springs recorded a peak rainfall total of 2 @.@ 85 in (72 mm) . A total 3 @,@ 000 customers lost electricity in Porterville because of high winds , heavy rains , which led to minor damage . Numerous fires occurred in Kern County , but none of these fires caused major damage . Further east , in Arizona , isolated rain showers were reported , peaking at 2 @.@

56 in (65 mm) at the Alamo Dam . Along the northern portion Baja California , Manuel brought showers and high waves . In all , impact from the storm was less than anticipated .

= = = Tropical Storm Narda = = =

Several hours after Manuel dissipated on September 20 , a tropical disturbance formed 200 mi (320 km) south of Socorro Island . While situated south of a ridge , the disturbance started to deepen . After developing a circulation , the system was declared a tropical depression the morning of September 21 . Later that morning , the EPHC upgraded the disturbance into a tropical storm . Narda held on to marginal tropical storm intensity for 36 hours before quickly intensifying , and by September 23 , the storm had attained winds of 60 mph (95 km / h) . Thereafter , the storm turned west @-@ northwest and weakened steadily after encountering cooler water . On September 26 , the EPHC downgraded Narda into a depression . After accelerating , the storm entered the CPHC zone the next day .

Tropical Storm Narda then began to encounter slightly warmer waters , and thus began to restrengthen . At 1800 UTC on September 27 , the CPHC announced that Narda had regained tropical storm strength . It quickly intensified and early on September 29 , a Hurricane Hunter aircraft reported winds of 70 mph (115 km / h) and the formation of an eye . At this time , Narda was located about 300 mi (485 km) southeast of Hilo . That evening , the storm start to show signs of weakening as it turned southwest away from the Hawaiian group . On September 30 , however , Narda , with winds of 50 mph (80 km / h) , made its closest approach the Hawaii , passing 150 mi (240 km) south of South Point . After briefly intensifying on October 1 , it suddenly dissipated hours later .

Because of data from tropical cyclone forecast models , which showed Narda passing very near the Hawaiian islands , and fears of a repeat of Hurricane Iwa , a hurricane watch was posted for all the Hawaiian Islands at 0700 UTC on September 28 . Gale warnings and high surf advisories were issued for the entire state . Officials urged many Hawaiians to complete preparations by the night of September 28 . Campers at coastal parks were also ordered by police to find shelter on higher ground . However , the hurricane watch was discontinued after Narda veered away on September 29 . Meanwhile , gale warnings and high surf advisories were dropped that day for all islands except for the Big Island . The outer rainbands of Narda brought locally heavy rain to the state . Flooding was reported of eastern areas of the Big Island . Nine families were evacuated to shelters . Higher than normal surf was also observed on southeast and east facing beaches . Overall , damage from Narda was minor .

= = = Tropical Storm Octave = = =

A tropical disturbance formed south of the Gulf of Tehuantepec on September 23 , which moved west for four days prior to attaining tropical depression status . Initially , the depression was situated over warm waters ; however , wind shear subsequently increased in the vicinity of the storm . However , on September 28 , the depression strengthened into Tropical Storm Octave . Six hours later , Octave attained its peak intensity of 45 mph (70 km / h) and decreased in forward speed while turning to the northeast . On September 30 , began to weaken due to cooler waters and increasing vertical wind shear . At 1200 UTC on October 2 , the EPHC issued their last advisory on the storm , as the surface circulation had dissipated .

Due to the threat for flooding , local flood warnings were issued for much of Arizona . In the end , the highest rainfall associated with Octave was 12 @. 0 in (300 mm) at Mount Graham . Throughout the state , excessive rainfall caused many rivers to overflow . The Santa Cruz , Rillito , and Gila rivers experienced their highest crests on record . Runoff from both the Rillito and Santa Cruz rivers flooded Marana . Major flooding was reported along the Gila River , and two of its tributaries , the San Francisco River and the San Pedro River . These rains devastated Clifton along the San Francisco River valley . Over 700 homes were destroyed in Clifton . Further south along the Gila River , major flooding was reported in extreme southeastern Arizona . Willcox was nearly

flooded . Further west , in Phoenix , 150 people were evacuated from an apartment complex . Throughout the greater Phoenix area , eight fires were started via lighting .

Tropical Storm Octave was considered the worst flood in Pima County history . Octave is also regarded as the worst tropical system to affect Arizona . Around 3 @, @ 000 buildings were damaged due to Octave . A total of 853 structures were destroyed by Octave while 2 @, @ 052 others were damaged . About 10 @, @ 000 people were temporarily displaced . Damage in Arizona totaled \$ 500 million . Fourteen people drowned and 975 persons were injured . Elsewhere , in New Mexico , a peak total of 5 @. @ 42 in (138 mm) of rain was recorded , resulting in flooding . New Mexico governor Toney Anaya declared a state of emergency in Catron County . Damage in New Mexico was estimated at \$ 12 @. @ 5 million . In Mexico , 12 in (300 mm) of rain was reported in Altar . In Sonora , many roads were closed . On October 3 , Arizona Governor Bruce Babbitt declared a state of emergency . President Ronald Reagan declared eight Arizona counties a " major disaster area " on October 5 .

= = = Hurricane Priscilla = = =

While Tropical Storm Octave was still active , a tropical disturbance formed on September 29 near Clipperton Island . The disturbance moved northwest , and was upgraded into a depression at 1800 UTC . While moving beneath the southwest side of a ridge , Priscilla steadily intensified . Early on October 3 , Priscilla was upgraded into a hurricane . After remaining a Category 1 hurricane for most of the day , it was upgraded into a Category 2 hurricane that evening , and subsequently , began to rapidly intensify . At 0000 UTC on October 4 , about 24 hours after first becoming a hurricane , Priscilla was upgraded into a major hurricane , with winds of 115 mph (185 km / h) . While at peak , which it held on for 12 hours , Priscilla displayed a well @-@ defined eye . Additionally , the hurricane began a sharp turn to the north @-@ northwest due to a strong trough off the Southern California coast and the storm was initially expected to move onshore Baja California and bring flooding rains to Arizona .

Shortly after its peak , Priscilla began to encounter cooler waters and thus it start to slowly lose strength . During the pre @-@ dawn hours of October 5 , Priscilla weakened into a Category 2 . Later that day , it was downgraded into a Category 1 system . By 0000 UTC on October 6 , the EPHC downgraded the system into a tropical storm . By this time , it was anticipated that the system would make landfall as a tropical system on California . Quickly weakening , Priscilla was downgraded into a depression that day . Early on October 7 , Priscilla dissipated about 150 mi (240 km) southwest of Guadalupe Island .

Due to the storm 's threat to California , flash flood watches were issued for much of the southern portion of the state . In Arizona , heavy equipment was evacuated from flood @-@ prone areas . Along the central Baja California peninsula , showers were reported . While still a Category 2 hurricane , the outer rainbands of Priscilla brought rains to California , resulting in power outages , hail , and traffic accidents . In Los Angeles , a daily rainfall record was set . Some streets in Anaheim and Santa Ana were flooded . The roof of a church was also damaged . Consequently , flash flood warnings were posted for parts of Los Angeles , Riverside , and San Bernardino Counties . Offshore , rough seas were generated . Across northwestern Arizona and Nevada , heavy showers and thunderstorms occurred . The remnants of the storm moved over the area on October 7 . Rainfall totals were less than expected and most weather stations recorded less than .1 in (5 mm) of precipitation . A peak total of .35 in (8 @. @ 9 mm) was measured in Ely .

= = = Hurricane Raymond = = =

A tropical wave crossed Nicaragua on October 5 , moving westward . A ridge center was over Mexico and a well @-@ developed ridge extended westward towards the Hawaiian Islands . Despite the presence of strong wind shear , it was upgraded to a tropical depression 764 mi (1 @, @ 230 km) south @-@ southeast of Cabo San Lucas on October 8 . The depression moved over 84 to 86 ° F (29 to 30 ° C) waters , intensifying into Tropical Storm Raymond on October 9 . Intensifying

quickly , Raymond attained hurricane status on October 10 . Hurricane Raymond subsequently developed a small but distinct eye . Rapidly intensifying , the storm rapidly moved west . Raymond was upgraded into a major hurricane late on October 10 . Raymond reached its peak winds of 145 mph (235 km / h) as a moderate Category 4 hurricane roughly 24 hours after becoming a hurricane . At the time of its peak , the hurricane was located about 800 mi (1 285 km) south of San Diego . Raymond is believed to have held on to peak intensity for almost two days .

The hurricane subsequently weakened and was only a Category 2 by October 13 , but it re-intensified over the next few days . With continued warm waters , the system crossed into the CPHC warning zone , reaching a secondary peak of 140 mph (230 km / h) on October 14 while becoming one of the strongest storms ever recorded in the region . By then , Raymond had begun a movement to the northwest . The eye later became poorly defined while the symmetric shape of the hurricane became elongated . The Hurricane Hunters confirmed the weakening trend , reporting a pressure of 968 mbar (28.6 inHg) . Hurricane Raymond weakened to a tropical storm on October 16 as wind shear took its toll on the storm . Meanwhile , the storm drifted northwest and underwent several loops . Two days later the storm resumed its westward motion as it weakened to a tropical depression . It became devoid of deep convection , and made landfall on Molokai on October 20 while still tropical depression . Shortly thereafter , Raymond dissipated inland .

Because meteorologists were predicting that the storm may pose a threat to the Hawaiian island group , the CPHC issued a hurricane watch for Hawaii . A high surf advisory also was issued . As Raymond approached Hawaii , the cyclone kicked up very high surfs that pounded the big island . On the east end of the Hawaiian Island chain was battered by 10 ? 15 ft (3 @ 0 ? 4 @ 6 m) waves . In addition , Raymond brought beneficial rains and gusty winds on all islands . Precipitation ranged from 1 to 2 in (25 to 51 mm) on Maui . There was one casualty when a sailor was lost overboard off the craft " Hazana " ; the boat was traveling from Tahiti to San Diego , but the course was altered to Hawaii because of the storm . While only minor damage was reported as a result of the hurricane , a fishing vessel did also issue a Mayday for help because of the storm .

== Tropical Storm Sonia ==

Situated several hundred miles west of Hurricane Raymond , a tropical disturbance formed on October 8 . Moving west @-@ northwest , the disturbance was upgraded into a tropical depression on October 9 . After moving west @-@ northwest for 12 hours , it turned west . Despite warm waters , strong westerly wind shear prevented much further development . On October 10 , the EPHC upgraded Sonia into a tropical storm . That day , Sonia reached its peak intensity of 45 mph (75 km / h) . However , this was short @-@ lived as the thunderstorm activity quickly became displaced from the center . At 0000 UTC on October 11 , Sonia weakened into a tropical depression . About 24 hours later , Sonia weakened into a tropical disturbance after it failed to maintain a closed circulation . Thereafter , the storm entered the CPHC 's warning zone , where it began to encounter warmer waters and lighter wind shear , and thus began to deepen . On October 13 , Sonia regained tropical storm intensity and briefly posed a threat to Hawaii . Despite remaining small and disorganized , Sonia reached its peak intensity of 45 mph (75 km / h) for a second time that evening . However , outflow from Hurricane Raymond weakened the system and Sonia dissipated on October 14 over 1 200 miles (1 610 km) south @-@ southeast of the Big Island .

== Hurricane Tico ==

The origins of Hurricane Tico were from a weak tropical disturbance that crossed Costa Rica into the Pacific Ocean on October 7 . Over warm waters , the system was sufficiently organized to be declared Tropical Depression Twenty @-@ One on October 11 , about 575 mi (930 km) south of Acapulco . On October 12 it turned sharply northward ; the depression was upgraded to Tropical Storm Tico on October 13 . Tropical Storm Tico continued to intensify . Two days after becoming a tropical storm , Tico strengthened further to attain hurricane status . By October 16 , Tico had reached major hurricane status . Early on October 19 , it reached peak winds of 130 mph (215 km /

h) . It weakened slightly as it approached the coast , and at about 1500 UTC that day Tico made landfall near Mazatlán with winds of 125 mph (205 km / h) . It rapidly weakened over land and merged with a cold front . The remnants of Tico were last observed on October 24 over Ohio .

Moderate rainfall was reported around the landfall location , peaking at 8 @. @ 98 in (228 mm) in Pueblo Nuevo , Durango ; lighter precipitation of 1 ? 3 in (25 ? 75 mm) occurred further inland toward the Mexico / United States border . Two 328 ft (100 m) anchored ships were washed aground by strong waves and swells , with a total of seven ships reported missing . Overall , the hurricane sank nine small ships , and nine fishermen were killed . Hurricane Tico was responsible severe flooding and heavy damage due to strong winds . Throughout the state of Sinaloa , the hurricane destroyed nearly 19 @, @ 000 acres (77 km ²) of bean and corn , although most of the agricultural damage occurred south of Mazatlán . In addition , the hurricane disrupted the flow of drinking water . A total of 13 hotels received extensive damage and 14 people were hurt . Twenty @- @ five thousand people were left homeless and damage throughout the country was estimated at \$ 200 million (1983 USD) . Hurricane Tico caused a total of 135 deaths in Mexico .

Rain from Tico continued into the South @- @ Central United States ; serious flooding was reported along the lower Washita River . Across Guthrie , 5 % of the town 's population , sought three emergency shelter due to 7 ft (2 @. @ 1 m) deep water . Throughout Oklahoma and Texas , 200 people were displaced and six people were killed . A total of \$ 77 million in crop damage occurred in Oklahoma . Total damage in the state was estimated at \$ 84 million . Elsewhere , one person was killed in the Kansas .

= = = Tropical Depression Twenty @- @ Two @- @ E = = =

On October 18 , a tropical disturbance was noted about 300 mi (485 km) south of the Gulf of Tehuantepec . Moving west @- @ northwest , the disturbance was upgraded into a depression . After turning northwest , the depression dissipated an hour before moving ashore . Lasting less than 24 hours , Twenty @- @ Two was the shortest @- @ lived storm of the season . Despite the lack of damage , 10 in (250 mm) of rain was measured along portions of the Southern Mexico coast .

= = = Tropical Storm Velma = = =

A tropical disturbance developed within the ITCZ during October 31 . Despite unfavorable conditions , the system began to organize , and became Tropical Depression Twenty @- @ Three on November 1 . It quickly intensified , and was upgraded to Tropical Storm Velma six hours later . No further intensification occurred ; Velma peaked as a minimal tropical storm . The tropical storm began to weaken after 18 hours , and was downgraded to a tropical depression on November 2 . The following day , the EPHC issued the final advisory on Tropical Depression Velma .

= = = Hurricane Winnie = = =

Due to a combination of unusually warm sea surface temperatures and the displacement of the ITCZ to north , a small area of disturbed weather formed in early December . Situated south @- @ southwest of Acapulco , the disturbance organized into a tropical depression on December 4 . It slowly headed north , and intensified into a tropical storm . Winnie peaked in intensity on December 6 .. Initially expected to continue north , the storm stalled instead . Due to wind shear caused by a trough , Winnie began to rapidly deteriorate , and it was downgraded into a tropical storm that night . After weakening further into a depression , Winnie dissipated on December 7 . Its remnant disturbance then moved west . Winnie was an out of season storm , and is the only known December tropical cyclone in the east Pacific proper since the modern record began in 1949 . Winnie is the latest hurricane on record in the eastern North Pacific .

Although the tropical cyclone never made landfall , it caused rain in parts of Mexico . The highest total of 3 @. @ 6 in (91 mm) was recorded in Caleta de Campos . Furthermore , the storm brought strong winds to the region , but damage was less than expected .

= = 1983 storm names = =

The following names were used for named storms that formed in the eastern Pacific in 1983 . All the names on the list were used this year . No names were retired , so it was used again in the 1989 season . No central Pacific names were used ; the first name used would have been Keli .