

= 1983 Pacific typhoon season =

The 1983 Pacific typhoon season has no official bounds , but most tropical cyclones tend to form in the northwestern Pacific Ocean between May and November . These dates conventionally delimit the period of each year when most tropical cyclones form in the northwestern Pacific Ocean . Tropical storms formed in the entire west Pacific basin were assigned a name by the Joint Typhoon Warning Center . Tropical depressions that enter or form in the Philippine area of responsibility are assigned a name by the Philippine Atmospheric , Geophysical and Astronomical Services Administration or PAGASA . This can often result in the same storm having two names .

The season had a late start , as the first system did not form until late June for the first time since 1973 . The last tropical cyclone dissipated in mid @-@ December . A total of 26 tropical depressions formed this year in the Western Pacific , of which 23 became tropical storms . Of the 26 tropical cyclones , one formed in June , three formed in July , six formed in August , three formed in September , seven formed in October , five formed in November , and two formed in December . Twelve storms reached typhoon intensity , of which four reached super typhoon strength . Fifteen of the tropical cyclones made landfall , with six moving through the Philippines , six striking China , six moving into Vietnam , and three moving in Japan . Vera , Wayne , Kim , and Lex led to over half of the fatalities from tropical cyclones this season . Forrest became the fastest @-@ developing tropical cyclone on record for the western Pacific ocean , with a pressure drop of 92 hectopascals (2 @.@ 7 inHg) in a 24 ? hour period .

= = Season summary = =

The season had a late start , as the first system did not form until late June for the first time since 1973 . The last tropical cyclone dissipated in mid @-@ December . A total of 26 tropical depressions formed this year in the Western Pacific , of which 23 became tropical storms . Of the 26 tropical cyclones , one formed in June , three formed in July , six formed in August , three formed in September , seven formed in October , five formed in November , and two formed in December . Ten storms reached typhoon intensity , of which four reached super typhoon strength . Fifteen of the tropical cyclones made landfall , with six moving through the Philippines , six striking China , six moving into Vietnam , and three moving in Japan . Tropical cyclones accounted for 24 percent of the annual rainfall in Hong Kong this season .

Wayne formed east of the Philippines , becoming the first super typhoon of the season before striking mainland China on July 25 . Abby was a long @-@ lived system , forming near Guam and remaining an intense typhoon for a number of days before recurving into Japan as a weakening tropical storm on August 17 . Ellen was a strong typhoon which tracked from the International Dateline westward near the northern Philippines and mainland China by September 9 . Forrest formed well east of the Philippines in late September , becoming the fastest @-@ developing tropical cyclone on record for the western Pacific ocean , with a pressure drop of 92 hectopascals (2 @.@ 7 inHg) in a 24 ? hour period . Marge was an intense typhoon which recurved well off the coast of Asia during the first week of November . Orchid was a long @-@ lived and erratic tropical cyclone which moved slowly just east of the Philippines during late November , absorbing Percy along the way . Vera , Wayne , Kim , and Lex led to over half of the fatalities from tropical cyclones this season .

= = Storms = =

= = = Tropical Storm Sarah = = =

When Tropical Storm Sarah formed in the South China Sea on June 24 , it became the latest start of a western Pacific season since 1973 . The initial tropical disturbance formed south of Guam on June 16 . By June 19 , a low level circulation formed as the system moved westward . As a tropical

disturbance , the low crossed the Philippines with light winds . The system finally organized into a tropical depression and then a tropical storm on June 25 . Sarah moved west @-@ northwestward across the South China Sea , striking Vietnam before dissipating on June 26 . Damage across the Philippines totaled 2 @.@ 77 billion Philippine Pesos (1983 pesos) , or US \$ 249 @.@ 3 million (1983 dollars) .

= = = Typhoon Tip (Auring) = = =

A tropical disturbance first noted east of the Philippines , the system moved through the archipelago as a tropical depression before strengthening briefly to a typhoon in the South China Sea . A combination of northeasterly vertical wind shear and proximity to land weakened the cyclone to a tropical storm before its landfall on Hai @-@ nan and struck Chan Chiang , China as a tropical depression . Winds peaked at 34 knots (63 km / h) at Tate 's Cairn in Hong Kong .

= = = Typhoon Vera (Bebang) = = =

The monsoon trough spawned a tropical depression on July 12 , east of the Philippines . It headed westward , strengthening to a tropical storm that night and a typhoon on the 13th . Vera made landfall on the 14th as an 85 mph (137 km / h) typhoon in the Philippines , weakened over the islands , and restrengthened over the South China Sea to a 100 mph (160 km / h) typhoon . Damage totaled US \$ 9 million in the Philippines . In Hong Kong , winds peaked at 60 knots (110 km / h) at Tate 's Cairn . Vera struck Hainan Island on the 17th , crossed the Gulf of Tonkin , and dissipated over Vietnam on the 18th . Vera brought torrential flooding , resulting in the deaths of 106 people .

= = = Super Typhoon Wayne (Katring) = = =

Becoming a tropical depression east of the Philippines , Wayne strengthened rapidly to become a tropical storm on July 22 , a typhoon on July 23 , and a super typhoon around midday on July 24 before moving south of Taiwan into mainland China on July 25 and dissipating . In the Philippines , 20 perished due to flash flooding . Wayne was the fifth most intense tropical cyclone to impact Fujian between 1960 and 2005 . Heavy rainfall led to severe flooding in Fujian and Guangdong . The total death toll reached 105 .

= = = Super Typhoon Abby (Diding) = = =

First noted southeast of Guam on July 31 , this system slowly matured into the season 's second super typhoon as it moved west @-@ northwest over the following nine days . Intensification was most rapid as it was slowly recurving northward on August 7 and August 8 . After peaking early on August 9 , Abby slowly weakened as it interacted with the main belt of the Westerlies . It managed to remain a major typhoon , with winds at or above 100 knots (190 km / h) , for a week . Abby finally weakened back into a tropical storm on August 17 just before its landfall at Hamamatsu , Japan . By late that night , Abby completed the transition to an extratropical cyclone after moving through central Japan . Two perished from Abby in Japan . Its deluge led to numerous landslides and the destruction of 19 bridges . Commercial traffic by land , sea , and air was also paralyzed by the cyclone .

= = = Tropical Storm Carmen (Etang) = = =

Originating in the monsoon trough in the South China Sea in early August , a low level circulation was first spotted about 370 km east of Vietnam on August 8 . Slow development ensued , and the system became a tropical depression during the night of August 12 . Tracking slowly north @-@ northeast , Carmen began to accelerate to the east @-@ northeast towards the Luzon Strait ,

steered by Abby . This acceleration was likely a redevelopment of the low pressure area downshear . The system became a tropical storm early morning of August 14 as it continued to close the distance to Abby . By late morning on August 15 , absorption into Abby was complete .

= = = Severe Tropical Storm Ben = = =

An area of strong thunderstorms formed east of Abby , developing a low level center on August 12 on the western side of the thunderstorm activity , due to westerly vertical wind shear from nearby Abby . It developed into a tropical storm that night and moved northwest due to Abby 's influence on the steering across the western Pacific at that time . Turning to the west , Ben moved along the southern coast of Honshu and made landfall west of Hamamatsu . Due to land interaction and increasing upper level westerly wind shear , Ben became an exposed low level circulation on August 14 in the Sea of Japan , eventually dissipating late on August 15 .

= = = Tropical Storm Dom (Gening) = = =

On August 17 , a tropical disturbance was noted west of Guam . Slow development ensued , and the system became a tropical storm late on August 19 . As a deep cyclone near Japan linked up with the monsoon trough , the cyclone turned sharply northeast on August 20 . Persistently sheared by strong northeasterly flow aloft initially , once Dom recurved its convection was left completely behind , weakening the system to a tropical depression on August 21 . Thunderstorms began to redevelop near the center , and by midday on August 23 Dom was a tropical storm once more . At this point Dom was moving erratically as the trough near Japan moved off to the east , and by August 24 Dom turned back to the north @-@ northwest . By August 25 strong winds aloft weakened Dom once more , and the cyclone dissipated as a tropical cyclone on August 26 .

= = = Tropical Depression 09W = = =

This system formed well north of the normal climatological position to the west of Dom , as the monsoon trough was similarly displaced . It was first noted on August 25 , but showed no further development . Thunderstorms were located about 300 miles (480 km) south of the center , but since the central pressure was under 1000 mb , it was considered a tropical depression while an exposed low level swirl . The system did develop some central convection , and moved northward into South Korea , bringing showers to the region , and dissipated late on August 27 .

= = = Typhoon Ellen (Herming) = = =

It was first noted as a tropical disturbance east of the International Dateline on August 26 , and became a tropical storm soon after crossing in the dateline on the morning of August 29 . A strong high pressure ridge offshore Japan led to no further development over the next 5 days , and the cyclone began to track south of west . Dropping down to a weak tropical depression late on September 1 , conditions aloft finally improved and the cyclone strengthened into a typhoon on September 3 as it tracked west @-@ northwest . Approaching Luzon late on September 5 , Ellen intensified rapidly into a strong typhoon before the terrain began to weaken the cyclone . Its final landfall was at Macau on the morning of September 9 as a minor typhoon .

Hong Kong experienced extensive damage , with six killed and 277 injured . Winds gusted to 134 knots (248 km / h) at Stanley . Twenty @-@ two ships ran aground in the harbor . Rainfall totaled 231 @-@ 8 millimetres (9 @-@ 13 in) at Hong Kong 's Royal Observatory . The second tornado ever recorded in Hong Kong , and the first during a typhoon passage , occurred during Ellen . Ellen was Hong Kong 's worst typhoon since Typhoon Hope of 1979 . By late on the 9th , Ellen was rapidly dissipating in mainland China .

= = = Tropical Depression 02C = = =

== Super Typhoon Forrest (Ising) ==

Super Typhoon Forrest developed in the Western Pacific Ocean in September over the open ocean . It was the fastest @-@ developing tropical cyclone on record , with a pressure drop of 100 mbar in a 24 ? hour period . A tornado struck Inza Island , destroying 26 homes and injuring 26 people , as the cyclone passed by Okinawa . Forrest struck Japan as a tropical storm on the 28th . Kadena Air Force base reported winds gusting to 74 knots (137 km / h) and rainfall totaling 300 millimetres (12 in) during Forrest 's passage . Up to 483 millimetres (19 @. @ 0 in) of rainfall fell across Japan , damaging 46 @, @ 000 homes . Overall , the storm caused 21 casualties and moderate damage .

== Tropical Depression Luding ==

== Typhoon Georgia (Mameng) ==

A large area of thunderstorm activity formed west of the Philippines . Rapidly organizing on September 28 , Georgia became a tropical storm by the next morning . Moving westward , it tracked across Hainan Island to the south of China . Wind gusts reached 60 knots (110 km / h) both at Tate 's Cairn and Kowloon Tsai Hill in Hong Kong . Ultimately the storm made its final landfall in Vietnam before dissipating while entering Laos . Georgia killed 26 , damaged 7000 buildings , and led to a loss of 247 @, @ 000 acres (1 @, @ 000 km²) of rice . The 13 to 14 inches (330 to 360 mm) of rainfall it brought to Vietnam relieved drought conditions .

== Tropical Depression Neneng ==

This system was recognized by the Hong Kong Royal Observatory and PAGASA . A tropical depression formed in the South China Sea near Xisha Dao on October 2 , and moved northwest , dissipating near Hanoi a couple days later .

== Tropical Storm Herbert ==

The initial disturbance was first spotted 250 miles (402 km) east of Mindanao . Moving westward for the next few days without development , the system moved into the South China Sea . The system became a tropical storm on October 7 to due significantly increased low @-@ level southwesterlies spinning up its circulation . The cyclone then moved west @-@ northwest , striking Nha Trang , Vietnam . The convective pattern was slow to fade as it drifted westward across Indochina over the next few days . Forty perished during this tropical cyclone .

== Severe Tropical Storm Ida (Oniang) ==

An inverted trough appeared near Saipan on October 6 , which appears to be linked with pre @-@ existing convection within an upper @-@ level cyclone , which appeared as early as October 3 . By late on the 6th , a closed circulation formed . Continuing to develop , the system became a tropical depression on the morning of October 8 as it moved northwest . Becoming a typhoon on October 10 as it was recurving into the main belt of the Westerlies , the cyclone passed only 150 km southeast of Honshu . Since it was a small cyclone , no damage occurred within Japan . By late on October 11 , Ida evolved into an extratropical cyclone which moved eastward through the northern Pacific .

== Tropical Depression Pepang ==

== = Severe Tropical Storm Joe (Rosing) = = =

One of three consecutive tropical cyclones to form in the South China Sea , the initial disturbance was first noted well south of Guam on October 6 . The system moved westward , and developed a closed wind circulation by midday on October 9 . A new center formed to the south , which complicated the system 's development . Remaining poorly organized in the Philippine Sea due to northerly vertical wind shear , the tropical depression crossed central Luzon . Now in the South China Sea , the system became better organized and developed into a tropical storm and typhoon as it moved northwest . Soon after becoming a typhoon , Joe moved into southern China about 190 kilometres (120 mi) west of Hong Kong and quickly dissipated inland . Wind gusts reached 78 knots (144 km / h) at Tai O , while rainfall amounts of 183 @. @ 9 millimetres (7 @. @ 24 in) fell at Tate 's Cairn .

== = Tropical Storm Kim = = =

Tropical Storm Kim , which formed in the South China Sea on October 14 , hit southeastern Vietnam late on October 16 . It weakened over land , but retained its circulation , and redeveloped into a tropical depression on October 19 in the northeastern Bay of Bengal in the North Indian Ocean . Kim continued northwestward , and dissipated on October 20 over Myanmar . Even though Tropical Storm Kim was a weak storm , its heavy rains caused serious flash flooding and mudslides in Vietnam and Thailand . In Thailand , already deluged by an earlier tropical storm , there was moderate flooding in Bangkok . Elsewhere , over 300 boats and 3 @, @ 000 homes and buildings were destroyed and the storm severely damaged much of the rice harvest . Kim caused 200 fatalities and extensive crop damage from heavy rainfall .

== = Severe Tropical Storm Lex (Sisang) = = =

First noted near the Marshall Islands on October 14 , the tropical disturbance moved westward for the next couple of days without and further development . An upper level ridge built over the system on October 16 while near Truk , which encouraged slow development . The system developed a weak surface circulation which progressed across the central Philippines . Once it entered the South China Sea , development increased and it became a tropical depression , then tropical storm , on October 22 . Transcribing a cyclonic loop , Lex continued to intensify and was a typhoon by October 25 .

Moving close to Hainan Island , Lex weakened to a tropical storm while entering the Gulf of Tonkin . Winds gusted to 48 knots (89 km / h) at Waglan Island . The cyclone made landfall near Dong Hoi , Vietnam on October 26 as a moderate tropical storm , and then rapidly weakened after moving inland . At least 200 fishermen were killed , with 81 of the total from an oil drilling ship which sank during the storm .

== = Tropical Depression Trining = = =

== = Super Typhoon Marge (Uring) = = =

This system began as a tropical disturbance with a weak circulation near 7N 172E . Becoming the fourth super typhoon of the season , Marge stairstepped west @- @ northwest east of the Philippines before recurving east of Japan . During recurvature , its forward motion reached 54 knots (100 km / h) , becoming one of the fastest known tropical cyclones on record .

== = Tropical Storm Norris = = =

This system was spawned just ahead of a frontal boundary extending from the extratropical cyclone

formerly known as Marge . A midget tropical storm , Norris quickly evolved on November 8 and recurved ahead of the frontal boundary well east of Asia , primarily threatening shipping in the western Pacific . Within three days of formation , Norris had been absorbed by the advancing cold front .

== Typhoon Orchid (Warling) ==

A tropical disturbance organized into a tropical depression on November 14 over the open West Pacific . It tracked southwestward then westward , slowly organizing into a tropical storm on the 17th . Orchid 's motion became erratic , and it drifted northward , always remaining within 850 nautical miles (1 @, @ 570 km) of Typhoon Percy , a slow @-@ moving typhoon in the South China Sea . Orchid reached her peak of 145 mph (233 km / h) winds on the 23rd , before vertical shear caused it to weaken . The storm turned southward , where it dissipated on the 27th . A total of 167 fatalities occurred when the Philippine vessel MV Dona Cassandra capsized due to high waves off the coast of Mindanao . A total of 219 people survived the shipwreck , including 98 that were rescued . In addition , 89 persons were injured , 18 at sea . At the time of the shipwreck , the boat had 387 passengers and 36 crew members . Onshore the Philippines , three people were killed and thousands were displaced .

== Typhoon Percy (Yayang) ==

Located not too distant to the southwest of Orchid , Percy thrived in a divergent region created by Orchid 's outflow pattern beginning on November 17 . Rapid development occurred on the morning of November 19 while in the South China Sea , and the system meandered due to the weakness in steering created by Orchid to its northeast . The cyclone managed 160 kilometres (99 mi) of movement through November 23 . Briefly becoming a typhoon , eventually Percy became entrained in Orchid 's inflow band and began to be sheared by Orchid 's opposing outflow pattern . Other than moving through the Philippines while in the initial tropical depression phase , Percy affected no other land masses .

== November Tropical Depression ==

This system was only recognized by the Hong Kong Royal Observatory . A tropical depression formed and moved westward through the Caroline Islands between November 21 and 24 before dissipating .

== Severe Tropical Storm Ruth (Ading) ==

This system began along the near equatorial trough southeast of Guam on November 15 . Moving slowly westward , there was little additional development until November 19 . Thunderstorm activity significantly increased in coverage along a 1 @, @ 670 kilometres (1 @, @ 040 mi) east @-@ west axis , with a center forming near 5N 147E . The system moved slowly northwest until November 23 . Orchid acted to limit its development by robbing inflow from this disturbance . On the 23rd it became a tropical depression before executing an anticyclonic loop . Upper level conditions became hostile soon afterwards , and the depression weakened . Into November 27 the system moved erratically and went through cycles of convective development and shearing . When Orchid weakened into a tropical depression , Ruth began to develop rapidly and became a tropical storm early on November 28 . A frontal zone on its northwest side led to an intense gale in that quadrant , which led to the upgrade . The cyclone nearly became a typhoon later that day before vertical wind shear returned , introduced by a fresh cold outbreak from Asia . The cyclone degenerated to an exposed low @-@ level swirl on November 30 .

== Tropical Storm Sperry (Barang) ==

The initial disturbance formed along the near equatorial trough after Ruth dissipated . On November 30 a surface circulation formed 740 kilometres (460 mi) south of Guam . By December 1 , the system appeared to be forming into a tropical cyclone but its thunderstorm activity shifted over 900 kilometres (560 mi) to the northwest of the center . Taking a day to recover , the system attempted to reorganize and became a tropical storm early on December 3 . Southerly vertical wind shear limited its development for much of its life cycle . Turning eastward , it reached its maximum intensity late on the 3rd before shearing apart on December 4 . Early on December 5 , the system degenerated into a weak area of low pressure .

= = = Severe Tropical Storm Thelma (Krising) = = =

This system formed east of the Caroline Islands on December 11 near 4N 170E . Over the next couple days , an upper cyclone to its north shifted westward , which helped lead to increased outflow and a low @-@ level circulation . It moved rapidly westward for the next 60 hours as a poorly defined low despite increasing convective organization . By late morning on December 16 , it became a tropical storm . The system tracked along a smooth parabola east of the Philippines becoming a moderately strong tropical storm . Intense vertical wind shear struck the cyclone as it moved northeast at a clip up to 27 knots (50 km / h) , and the system rapidly weakened .

= = = Tropical Depression Dadang = = =

= = Storm names = =

During the season 23 named tropical cyclones developed in the Western Pacific and were named by the Joint Typhoon Warning Center , when it was determined that they had become tropical storms . These names were contributed to a revised list from 1979 .

= = = Philippines = = =

The Philippine Atmospheric , Geophysical and Astronomical Services Administration uses its own naming scheme for tropical cyclones in their area of responsibility . PAGASA assigns names to tropical depressions that form within their area of responsibility and any tropical cyclone that might move into their area of responsibility . Should the list of names for a given year prove to be insufficient , names are taken from an auxiliary list , the first 6 of which are published each year before the season starts . Names not retired from this list will be used again in the 1987 season . This is the same list used for the 1979 season . PAGASA uses its own naming scheme that starts in the Filipino alphabet , with names of Filipino female names ending with " ng " (A , B , K , D , etc .) . Names that were not assigned / going to use are marked in gray .