= 1985 Pacific typhoon season =

The 1985 Pacific typhoon season has no official bounds ; it ran year @-@ round in 1985 , 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 .

A total of 29 tropical depressions formed this year in the Western Pacific , of which 28 became tropical storms . 17 storms reached typhoon intensity , of which one typhoon reached super typhoon strength . The strongest cyclone of the season , Dot , reached category 5 on the Saffir @-@ Simpson scale to the east of the Philippines . Typhoon Cecil was the deadliest storm of the season , accounting for nearly half of the deaths from western Pacific tropical cyclones in 1985 .

= = Season summary = =

A total of 29 tropical depressions formed this year in the Western Pacific , of which 28 became tropical storms . 17 storms reached typhoon intensity , of which 1 reached super typhoon strength . Only four tropical cyclones moved through the Philippines this season , while eight moved into China , three moved into Vietnam , and three moved into Japan . Tropical cyclones brought Hong Kong 40 percent of its annual rainfall . The strongest cyclone of the season , Dot , reached category 5 on the Saffir @-@ Simpson scale . However , it weakened slightly before moving into the Philippines at the high end of category 3 status . Typhoon Cecil was the deadliest storm of the season , accounting for nearly half of the deaths from western Pacific tropical cyclones in 1985 .

= = Storms = =

= = = Tropical Storm Elsie = = =

This was the first tropical cyclone to form in the northwest Pacific basin in January in six years . Forming along the near equatorial trough , two circulations formed on either side of Guam . Elsie formed from the eastern circulation , appearing southwest of Pohnpei on January 4 . On January 5 , further convective development occurred which formed a low level circulation on January 6 . Becoming a tropical depression late that day and a tropical storm on January 7 , the system moved northwest , reaching its peak intensity late in the day . Thereafter , strong southerly winds aloft arrested development , and weakening began . Tropical depression status was regained on January 8 , and its circulation dissipated early January 9 .

= = = Severe Tropical Storm Fabian (Atring) = = =

The initial tropical disturbance formed on the west end of the near @-@ equatorial , or monsoon , trough . Due to strong high pressure due its north , and the associated high winds associated with the northern Asian monsoon , strongest winds within the system were on its western periphery . Strong southerly winds aloft led to persistent vertical wind shear , which limited its intensification is it moved west to northwest . It passed nearby Yap , and caused crop damage as it passed by the island group .

= = = Tropical Depression = = =

A tropical depression formed 740 kilometres (460 mi) east of Luzon on April 22 . Moving east

@-@ northeast for a couple days , the system dissipated on April 24 770 kilometres (480 mi) north @-@ northwest of Guam .

= = = Typhoon Gay (Bining) = = =

Gay was the third tropical cyclone and first typhoon of the 1985 Pacific typhoon season . After over four months of inactivity , on May 16 , a strong atmospheric circulation formed 380 nmi (700 km) west of Koror , now part of Palau . The circulation began to develop convection and by May 20 had organized into a depression . Heading north , the storm took two days to gain tropical storm strength , likely because a tropical upper tropospheric trough (TUTT) was so close to the north , restricting outflow . However , the trough soon weakened and outflow improved and the storm began to intensify faster . Gay became a typhoon early on May 23 , continuing to intensify , Gay came under influence of a frontal boundary to the northwest and began to recurve to the northeast , through a weakness in the subtropical ridge created by the trough associated with the frontal boundary . This trough began to build and dig southeastward , pouring fuel into Gay 's engine . Typhoon Gay reached its peak intensity of 100 knots (115 mph , 185 km / h) on May 24 . As cool , dry air became entrained within Gay 's circulation , the cyclone began to weaken . Gay underwent extratropical transition as it interacted with the frontal boundary . Gay became extratropical shortly after weakening to a tropical storm early on May 26 .

= = = Tropical Storm 04W = = =

This system formed within the northern portion of the monsoon trough on June 16 . Strong northeast winds aloft kept its circulation center on the northeast side of its stronger thunderstorm activity . The system drifted generally northwest , making landfall on Hainan Island before dissipating . While never upgraded by the Joint Typhoon Warning Center , the Japanese Meteorological Agency considered the system a weak tropical storm ,

= = = Typhoon Hal (Kuring) = = =

Typhoon Hal , which formed on June 19 east of the Philippines , passed just north of Luzon on the 22nd as a 95 mph (153 km / h) typhoon . After briefly weakening Hal restrengthened to a peak of 115 mph (185 km / h) before weakening back to a minimal typhoon . Sustained winds reached 48 knots (89 km / h) at Lan Yu , Taiwan . The 75 mph (121 km / h) typhoon hit 75 nautical miles (139 km) east @-@ southeast of Hong Kong in southeastern China on the 24th , and dissipated the next day . In Hong Kong , winds peaked at 74 knots (137 km / h) at Kwai Chung , and a total of 285 @.@ 5 millimetres (11 @.@ 24 in) fell at Tate 's Cairn which led to landslides across the region . Heavy rain associated with the typhoon caused 38 deaths (with 14 missing) and widespread crop and structural damage . Damage totalled US $ 12 @.@ 3 million (1985 dollars) .

= = = Typhoon Irma (Daling) = = =

First noted southwest of Ponape on June 17 , the tropical disturbance moved westward for the next several days without significant development . As it turned northwest on June 25 , the system strengthened rapidly into a tropical storm , reaching typhoon intensity on June 27 as it turned more poleward . The system recurved just offshore the southern islands of Japan before striking southwest of Tokyo , Japan as a typhoon on July 1 . Weakening as it accelerated northeast , Irma regained tropical storm intensity later that day and became an extratropical cyclone that night . As Irma passed to the east of the Philippines the system enhanced the Monsoon Trough causing heavy rains over Luzon Island . A total of 46 people were killed and 1 @,@ 500 homes were destroyed . In Japan Irma killed 3 people and left 5 missing . Over 20 @,@ 000 houses were damaged and 50 @,@ 000 hectares of farmland were ruined . Damage across the Philippines and Japan totalled US $ 80 million (1985 dollars) .

= = = Tropical Depression 07W (Elang) = = =

A tropical depression formed 1 @,@ 050 kilometres (650 mi) east @-@ southeast of Manila on July 4 . Moving west @-@ northwest , the system crossed the central Philippines on July 5 , moving into the South China sea on July 6 . Moving more towards the north on July 7 , the depression moved inland into southern China east of Hong Kong on July 8 . In Hong Kong , winds gusted to 47 knots (87 km / h) at Tate 's Cairn , where 114 @.@ 1 millimetres (4 @.@ 49 in) fell . While Hong Kong considered it a tropical depression throughout its life cycle , PAGASA named the system and considered it a tropical storm .

= = = Typhoon Jeff (Goring) = = =

The monsoon trough spawned a tropical depression in northwest of Guam on July 21 . It tracked northward , becoming a tropical storm on the 22nd and reaching its first peak of 70 mph (110 km / h) winds on the 23rd . An upper level trough outran the system , forcing Jeff westward into a shearing environment and weakening it to a depression on the 26th . The shear abated , and Jeff was able to restrengthen , becoming a storm on the 27th and a typhoon on the 29th . The 85 mph (137 km / h) typhoon hit eastern China on the 30th . It brought the heaviest rain to Shanghai since 1962 . Jeff weakened rapidly to a depression , but upon reaching the Yellow Sea , it again restrengthened to a tropical storm on the 1st . Jeff reached a third peak of 60 mph (97 km / h) winds before becoming extratropical on the 2nd . A total of 245 people were killed from this storm , with moderate to heavy damage to crops .

= = = Typhoon Kit = = =

Typhoon Kit was the first of seven tropical cyclones to form in the West Pacific in August . It formed from a disturbance at the north end of a monsoon trough . The disturbance quickly gained organization and formed into a tropical depression on August 2 . The storm moved steadily to the northwest and steadily intensified . The depression became Tropical Storm Kit on August 4 . The storm became a typhoon as it made a temporary jog to the north before continuing its northwest motion . The typhoon , small in size , reached its peak intensity of 85 knots (90 mph , 157 km / h) while south of Ky?sh? on August 8 . Kit recurved in the East China Sea in the face of an approaching trough which caused a weakness in the subtropical ridge . Kit made landfall on the south @-@ western tip of South Korea as a weak typhoon . The storm killed twelve people from resultant flooding and caused significant property damage on Cheju Island and the southern coast of South Korea . Kit became an extratropical cyclone in the Sea of Japan . A total of US $ 3 @.@ 7 million (1985 dollars) of damage were caused by Kit across South Korea and Japan .

= = = Severe Tropical Storm Lee (Huling) = = =

Lee formed within the monsoon trough , and was initially influenced by Kit to its north . Kit 's movement to the north reoriented the trough into a more north @-@ south orientation , and a broad circulation formed 890 km south of Okinawa . Moving north @-@ northeast , convection around the system began to organize into a more consolidated tropical storm . The system turned northwest , but development was halted by northerly vertical wind shear . Its circulation center remained fairly broad while it continued to deepen , more like a monsoon depression than a tropical cyclone . As the system passed close to Okinawa , winds remained fairly light . However , winds increased as it pulled away , due to the pressure gradient / strongest winds being well removed from the center . Continuing to move north into a break in the subtropical ridge , Lee moved through the East China Sea to about 445 km west of Ky?sh? and stayed about 220 km offshore the western Korean peninsula . By this time , the system was evolving into a more typical tropical cyclone , with stronger winds closer to the center . Accelerating across the Yellow Sea on August 14 , Lee began to recurve

across North Korea and subsequently weakened rapidly across the mountainous terrain . A total of US $ 3 @.@ 9 million (1985 dollars) in damage was caused by Lee .

= = = Typhoon Mamie = = =

On August 15 , a tropical depression formed from the monsoon trough a short distance of northern Taiwan . It headed northeastward , becoming a tropical storm later that day . The building of the subtropical ridge to its east forced Mamie northwestward , where it became a typhoon on August 17 . On August 18 , the typhoon hit near Shanghai , China , and paralleled the east coast of China . The storm turned to the northeast , hit near Dairen , China , and dissipated on August 20 . Mamie was responsible for 44 fatalities and heavy crop damage . Total damage amounted to US $ 13 @.@ 7 million (1985 dollars) .

= = = Typhoon Nelson (Ibiang) = = =

Typhoon Nelson , which developed on August 16 , moved northwest until reaching typhoon intensity , when a blocking ridge turned the system more to the west . The cyclone brushed northern Taiwan on August 23 as a 90 mph (140 km / h) typhoon . Later that day , it made landfall on eastern China before dissipating on August 24 . Nelson caused 55 deaths and heavy damage across eastern China . In addition , the remnants of the storm stalled over the area , killing an additional 147 people .

= = = Typhoon Odessa = = =

Typhoon Odessa was a tropical system that was active from August 23 through the 1st of September in the Western Pacific Ocean . Odessa was one of three tropical cyclones to exist in the area of Japan at around the same time . Odessa and Pat would pass very close together with Ruby impacting Tokyo . Odessa formed from an area of disturbed weather that persisted on the eastern end of a monsoon trough . The disturbance organized into a depression on August 23 and continued to develop and it was a tropical storm before the day was over . Odessa assumed a northerly track as it continued to strengthen , reaching typhoon intensity late on October 24 . Odessa had become a compact storm with a very symmetrical structure . Its eye was very well defined , despite its peak intensity of 90 knots (100 mph , 165 km / h) . Odessa was observed by STS 51 as they passed overhead . Odessa was one of the most powerful , circular tropical cyclone patterns ever seen by spacecraft crew . After moving westward and stalling southwest of Japan , it turned the northeast , travelling along the south @-@ western coast of Japan , weakening along the way , before becoming extratropical on September 1 .

= = = Typhoon Pat (Luming) = = =

Typhoon Pat developed from the Monsoon Trough situated to the east of Taiwan on August 27 . Pat quickly was upgraded to tropical storm status and was named . Due to a probable Fujiwara Interaction between Pat and Typhoon Odessa , Pat moved toward the northeast . Just before making a turn towards the northwest Pat was upgraded to a typhoon on the 28th . Typhoon Pat began to accelerate in the direction of Japan . Pat made landfall on southern Ky?sh? on the 30th before accelerating through the Sea of Japan and turning extratropical . Pat killed 23 people through Ky?sh? and Hokkaid? and destroyed 3 @,@ 000 homes .

= = = Severe Tropical Storm Ruby = = =

Forming east of Odessa and Pat , the initial disturbance developed near a location with an upper level low interacted with the monsoon trough . The low pressure area formed on August 25 to the south @-@ southeast of Okinawa , moving around the southern periphery of Odessa and Pat .

Thunderstorm activity concentrated near its low level center , and the system rapidly moved through the tropical depression stage into the tropical storm stage on August 26 , developing an elliptical eye . Vertical wind shear from Odessa kept Ruby from becoming a typhoon . Weaving its way northward , Ruby moved across Tokyo early on August 31 as it lost its central convection . Later that day , the system evolved into an extratropical cyclone . Six perished due to Ruby . Damage totalled US $ 14 million (1985 dollars) from Odessa , Pat , and Ruby .

= = = Severe Tropical Storm Skip = = =

The initial tropical disturbance formed well south of Hawaii along the near @-@ equatorial trough on August 28 , moving briskly to the west . The system developed into Tropical Depression Two @-@ C on August 30 and crossed the dateline the next day . It strengthened into a tropical storm and typhoon while moving northwest . It briefly threatened Wake Island as a typhoon before a Tropical Upper Tropospheric Trough (TUTT) recurved Skip off to the northeast . It then recrossed the date line as a tropical storm . Skip became an extratropical cyclone on September 8 as it turned to the north and northeast .

= = = Typhoon Tess (Miling) = = =

On August 28 , a tropical disturbance formed south of Guam . On September 1 , the system strengthened into a tropical depression and then tropical storm . Throughout its lifetime , Tess moved generally to the west @-@ northwest . On September 3 , Tess became a typhoon just before moving across Luzon , with four perishing from the resultant floods . A tornado was spawned by the system in Lemery . Briefly dropping to tropical storm strength , the cyclone turned to the west upon entering the South China Sea . On September 5 , Tess strengthened into a typhoon while moving northwest towards China and Hong Kong . Winds gusted to 65 knots (120 km / h) at Hong Kong 's international airport and 88 knots (163 km / h) at Green Island . Tate 's Cairn measured 204 @.@ 4 millimetres (8 @.@ 05 in) of rainfall . Flooding and crop damage was reported across southern China near where Tess moved inland and dissipated . One perished in the Philippines , and two in Hong Kong .

= = = Tropical Storm Val (Narsing) = = =

The initial tropical disturbance formed west of Truk / Chuuk within the monsoon trough , and moved northwestward . After developing into a tropical depression early on September 15 , the system moved around a west @-@ north @-@ westerly course , becoming a tropical storm on September 15 . As Val passed south of Naha , the system turned more westward blocked by the subtropical ridge and passed south of Taiwan , which caused its center to become ill defined . The resultant tropical depression moved inland into southeast China on September 18 . Winds remained below tropical storm force in Hong Kong , and rainfall amounts were light .

= = = Tropical Storm Winona = = =

The initial disturbance formed within the South China sea along the monsoon trough on September 18 . Moving northwest , the system developed into a tropical depression on September 19 and a tropical storm on early on September 21 . Turning more to the north , Winona missed Hainan Island to the east , and moved into southern China west of Hong Kong on September 22 , before quickly dissipating early on September 23 . Floods across southeast China trapped 57 @,@ 000 people , and at least 7500 homes were damaged .

= = = Tropical Depression Openg = = =

= = = Severe Tropical Storm Andy = = =

The initial tropical disturbance formed across the Philippine Sea within the monsoon trough on September 25 , moving westward across Luzon on September 26 . As it moved across the South China Sea , a surge in the northeast flow helped the system develop into a tropical depression on September 27 before strengthening into a tropical storm on September 28 . Typhoon intensity was reached on September 29 , and its center moved along the south coast of Hainan Island where winds gusted to 80 knots (150 km / h) . The storm continued south of due west across the Gulf of Tonkin into Vietnam late on October 1 , killing 46 people across central portions of the country . The weakening cyclone crossed central Laos before dissipating in northeast Thailand on October 2 .

= = = Typhoon Brenda (Pining) = = =

A tropical disturbance was tracked south of Ponape in late September before consolidating into a tropical depression on the 29th to the east of the Philippines . The depression moved towards the west and was named Tropical Storm Brenda on the 30th and became a typhoon the same day . Brenda then completed a small cyclonic loop on 1 October before turning towards the northwest and strengthening to a peak of 105 mph (169 km / h) . Brenda turned more northerly and skimmed the southern coast of South Korea before turning extratropical in the Sea of Japan . Nearly 12 inches (300 mm) of rain fell on the South Korean Peninsula heavy flooding on Cheju Island and near Pusan killed 14 people and left 43 missing . The damage from the system totalled US $ 10 million (1985 dollars) .

= = = Super Typhoon Dot (Saling) = = =

The monsoon trough spawned a tropical depression over the open West Pacific on October 11 . It headed west @-@ northwestward , strengthening to a tropical storm on the 13th and a typhoon on the 14th . Dot rapidly intensified to a 175 mph (282 km / h) Super Typhoon on the 16th , the only one of the year , and steadily weakened until hitting eastern Luzon as a 130 mph (210 km / h) typhoon on the 18th . It crossed the South China Sea and hit southern Hainan Island . In Hong Kong , winds gusted to 61 knots (113 km / h) at Tate 's Cairn , but rainfall amounts were light as the system mainly bypassed the protectorate to the south . Dot made its final landfall on northern Vietnam on the 21st as a 70 mph (110 km / h) tropical storm . Dot caused 101 fatalities and 2 @.@ 13 billion Philippine Pesos (1987 pesos) in damage , or US $ 103 @.@ 6 million (1987 dollars) .

= = = Typhoon Cecil (Rubing) = = =

An area of convection organized into a tropical depression on October 12 in the southeastern South China Sea . It tracked to the west @-@ northwest , becoming a tropical storm later that day and a typhoon on the 13th . Cecil continued to intensify , and reached a peak of 115 mph (185 km / h) winds before hitting north @-@ central Vietnam and dissipating on the 16th . Torrential flooding and wind damage to the area caused 702 casualties , with widespread structural and crop damage .

= = = Severe Tropical Storm Ellis = = =

The initial disturbance formed west of Kosrae on October 13 , moving west @-@ northwest . Slow to organize , the system evolved into a tropical depression on October 16 and a tropical storm late that day . Soon afterwards , Ellis turned westward and slowed due to a weakness in the subtropical ridge to its north caused by a system passing well to the north of Ellis . The storm turned southwest on October 17 due to the building in of a stronger high pressure system to its northwest . By October 20 , Ellis weakened into a tropical depression while resuming a westward course as it passed under an upper level low which increased vertical wind shear and disrupted its associated thunderstorm activity . The cyclone turned west @-@ northwest on October 21 for a couple days before

dissipating east of the Philippines .

= = = Typhoon Faye (Tasing) = = =

The initial tropical disturbance formed in the South China sea , and was swept eastward through the Philippines due to Dot 's movement to its north . The system emerged east of the Philippines and developed into a tropical depression and tropical storm on October 23 . Turning northwest , Faye crossed central Luzon on October 24 , weakening back into a tropical depression . Back in the South China sea , Faye regained tropical storm strength . The cyclone made a small cyclonic loop between October 25 and October 26 as a system over China approached Faye from the northwest . The tropical cyclone accelerated east @-@ northwest , passing just north of Luzon . By October 28 , Faye 's motion slowed and the system strengthened into a typhoon early on October 29 . After passing Okinawa , strong westerly winds aloft caused the typhoon to begin to weaken . Early on November 1 , Faye weakened into a tropical storm before it evolved into an extratropical cyclone later that day .

= = = Tropical Storm Gordon = = =

The initial disturbance formed in the southern South China sea and moved eastward . Its initial intensification to a tropical storm was caused by a surge in the northeast flow to its north and west , and the system turned to the north . As the cyclone became warm core , Gordon was able to restrengthen into a tropical storm after the monsoon wind surge slackened . Throughout its life cycle , thunderstorm activity was removed to the northwest of Gordon 's low level circulation . Soon after becoming a tropical storm again , Gordon turned to the west @-@ northwest and made landfall in Vietnam .

= = = Severe Tropical Storm Irving = = =

This system formed at the west end of the near @-@ equatorial trough . Winter gales in the South China Sea masked this system 's existence . The cyclone was first noted just west of the Philippines on December 18 and moved westward , becoming a tropical storm on December 19 . As it approached southern Vietnam , the cyclone turned southwest and weakened , dissipating as it made landfall along the Malay peninsula .

= = = Typhoon Hope (Unsing) = = =

A tropical disturbance formed along the near @-@ equatorial trough on December 13 between Truk and Pohnpei . The system moved westward , and slowly developed . By early on December 18 , a tropical depression had formed , and intensification continued for the next couple days as Hope became an intense typhoon on the afternoon of December 20 . Weakening was seen later that day , and its eye disappeared . The system moved west @-@ northwest , threatening Luzon for a time . Just before landfall , Hope recurved north and eastward , sparing the Philippines , and becoming an extratropical cyclone on December 24 .

= = Storm names = =

During the season 25 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 which started on 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 1993 season . This is the same list used for the 1986 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 .