

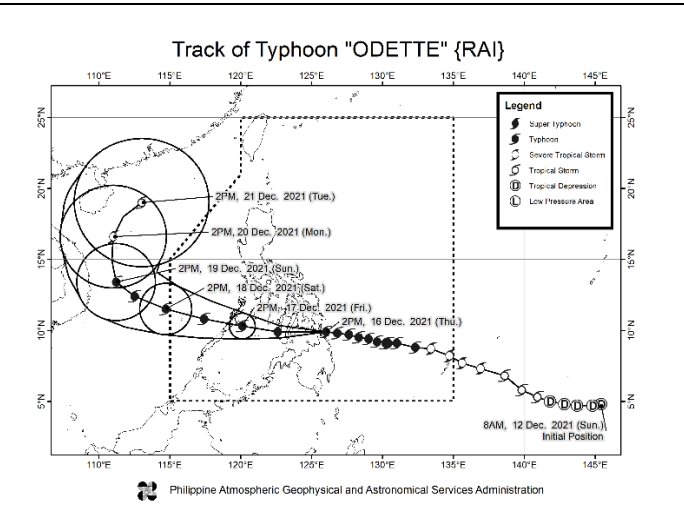


TROPICAL CYCLONE BULLETIN NO. 12
Typhoon "ODETTE"

Issued at 5:00 PM, 16 December 2021
 Valid for broadcast until the next bulletin at 8:00 PM today

"ODETTE" MAINTAINS ITS STRENGTH AND IS NOW OVER LILOAN, SOUTHERN LEYTE.

Location of Center (4:50 PM)
The center of the eye of Typhoon "ODETTE" was located based on all available data including those from Guiuan and Mactan Doppler Weather Radar in the vicinity of Liloan, Southern Leyte (10.1°N, 125.2°E)
Intensity
Maximum sustained winds of 195 km/h near the center, gustiness of up to 270 km/h , and central pressure of 915 hPa
Present Movement
Westward at 30 km/h
Extent of Tropical Cyclone Winds
Strong winds or higher extend outwards up to 480 km from the center



TRACK AND INTENSITY FORECAST

Date and Time	Center Position			Intensity		Movement dir. and speed (km/h)
	Lat. (°N)	Lon. (°E)	Location	MSW (km/h)	Cat.	
12-Hour Forecast 2:00 AM 17 December 2021	9.9	122.6	In the vicinity of Cauayan, Negros Occidental	165	TY	W 30
24-Hour Forecast 2:00 PM 17 December 2021	10.3	120.1	Over the coastal waters of Dumaran, Palawan	155	TY	W 25
36-Hour Forecast 2:00 AM 18 December 2021	10.8	117.4	360 km East of Pag-asa Island, Kalayaan, Palawan	155	TY	W 25
48-Hour Forecast 2:00 PM 18 December 2021	11.5	114.7	Over the coastal waters of Pag-asa Island, Kalayaan, Palawan	165	TY	WNW 25
60-Hour Forecast 2:00 AM 19 December 2021	12.4	112.5	235 km Northwest of Pag-asa Island, Kalayaan, Palawan (outside the PAR)	155	TY	WNW 20
72-Hour Forecast 2:00 PM 19 December 2021	13.4	111.2	415 km Northwest of Pag-asa Island, Kalayaan, Palawan (outside the PAR)	140	TY	NW 15
96-Hour Forecast 2:00 PM 20 December 2021	16.6	111.0	1,000 km West of Northern Luzon (outside the PAR)	95	STS	N 15
120-Hour Forecast 2:00 PM 21 December 2021	19.0	113.0	890 km West of Extreme Northern Luzon (outside the PAR)	65	TS	NE 15



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TROPICAL CYCLONE WIND SIGNALS (TCWS) IN EFFECT			
TCWS No.	Luzon	Visayas	Mindanao
4 (Very Destructive typhoon-force winds prevailing or expected within 12 hours)	-	Southern Leyte, the southwestern portion of Leyte (<i>Hilongos, Bato, Matalom</i>), Bohol, the central and southern portions of Cebu (<i>Lapu-Lapu City, Cordova, Cebu City, Mandaue City, Consolacion, Liloan, Toledo City, City of Talisay, Minglanilla, City of Naga, Pinamungahan, San Fernando, City of Carcar, Aloguinsan, Barili, Sibonga, Dumanjug, Ronda, Argao, Alcantara, Moalboal, Badian, Dalaguete, Alcoy, Alegria, Malabuyoc, Boljoon, Oslob, Ginatilan, Samboan, Santander</i>), the central and southern portions of Negros Oriental (<i>Canlaon City, Vallehermoso, City of Guihulungan, La Libertad, Jimalalud, Tayasan, Ayungon, Bindoy, Manjuyod, Mabinay, City of Bayawan, Basay, Bais City, Pamplona, San Jose, City of Tanjay, Amlan</i>), and the central and southern portions of Negros Occidental (<i>La Castellana, Pontevedra, Hinigaran, Moises Padilla, Isabela, Binalbagan, City of Himamaylan, City of Kabankalan, Ilog, Cauayan, Candoni, City of Sipalay, Hinoba-An</i>)	Dinagat Islands, Surigao del Norte including Siargao and Bucas Grande Islands
3 (Destructive typhoon-force winds prevailing or expected within 18 hours)	Cagayancillo Islands	The rest of southern portion of Leyte (<i>Abuyog, Mahaplag, Hindang, Inopacan, City of Baybay, Javier, Macarthur</i>), the northern portion of Cebu (<i>Camotes Islands, Tuburan, Catmon, Carmen, Danao City, Asturias, Balamban, Dalaguete, Sogod</i>), the rest of Negros Oriental, Siquijor, the northern portion of Negros Occidental (<i>Calatrava, San Carlos City, Salvador Benedicto, City of Talisay, Silay City, Bacolod City, Murcia, Bago City, Valladolid, Pulupandan, La Carlota City, San Enrique</i>), Guimaras, the southern portion of Iloilo (<i>Iloilo City, Pavia, Leganes, Santa Barbara, San Miguel, Alimodian, Oton, Leon, Tigbauan, Tubungan, Igbaras, Guimbal, Miagao, San Joaquin, Dumangas, Zarraga, New Lucena, Cabatuan, Maasin</i>), and the southern portion of Antique (<i>San Remigio, Patnongon, Belison, San Jose, Sibalom, Hamtic, Tobias Fornier, Anini-Y</i>)	The northern portion of Agusan del Norte (<i>Kitcharao, Jabonga, Santiago, Tubay, City of Cabadbaran</i>) and the northern portion of Surigao del Sur (<i>Carrascal, Cantilan, Madrid, Carmen, Lanuza, Cortes, City of Tandag</i>)

Prepared by:  **SMRR**

Checked by:  **JSG**



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TCWS No.	Luzon	Visayas	Mindanao
2 (Damaging gale- to storm-force winds prevailing or expected within 24 hours)	Albay, Sorsogon, Masbate including Ticao and Burias Islands, Romblon, Oriental Mindoro, Occidental Mindoro, mainlanad Palawan including Kalayaan, Balabac, Cuyo, and Calamian Islands	Northern Samar, Eastern Samar, Samar, Biliran, the rest of Leyte, the rest of Cebu, the rest of Negros Occidental, the rest of Iloilo, Capiz, Aklan, and the rest of Antique	The rest of Surigao del Sur, Agusan del Sur, the rest of Agusan del Norte, the extreme northern portion of Zamboanga del Norte (Dapitan City, Siayan, Sindangan, Jose Dalman, Manukan, Pres. Manuel A. Roxas, Katipunan, Sergio Osmeña Sr., Polanco, Dipolog City, Piñan, Mutia, La Libertad, Rizal, Sibutad), the extreme northern portion of Zamboanga del Sur (Josefina, Molave, Mahayag, Dumingag, Tambulig), Misamis Occidental, the northern portion of Lanao del Norte (Kolambugan, Maigo, Munai, Bacolod, Poona Piagapo, Kauswagan, Pantao Ragat, Matungao, Linamon, Baloi, Tagoloan, Pantar, Iligan City), Misamis Oriental, Camiguin, the northern portion of Bukidnon (Cabanglasan, City of Malaybalay, Lantapan, Talakag, Baungon, Libona, Manolo Fortich, Sumilao, Impasug-Ong, Malitbog), and the northern portion of Lanao del Sur (Tagoloan II, Kapai)
1 (Strong winds prevailing or expected within 36 hours)	Catanduanes, Camarines Norte, Camarines Sur, Marinduque, the southern portion of Quezon (San Antonio, Tiaong, Candelaria, Sariaya, Dolores, Lucena City, Pagbilao, Padre Burgos, Atimonan, Agdangan, Unisan, Gumaca, Plaridel, Pitogo, Lopez, Guinayangan, Buenavista, Catanauan, General Luna, Macalelon, Mulanay, San Narciso, San Andres, San Francisco, Tagkawayan, Calauag, Quezon, Alabat, City of Tayabas, Perez), and Batangas	-	The northern portion of Davao Oriental (Baganga, Cateel, Boston), the northern portion of Davao de Oro (Laak, Mawab, Nabunturan, Montevista, Monkayo, New Bataan, Compostela), the northern portion of Davao del Norte (Talaingod, Santo Tomas, Kapalong, Asuncion, San Isidro, New Corella), the rest of Bukidnon, the rest of Lanao del Norte, the rest of Lanao del Sur, the rest of northern portion of Zamboanga del Norte (Labason, Kalawit, Tampilisan, Liloy, Salug, Godod, Bacungan, Gutalac, Baliguian), the rest of northern portion of Zamboanga del Sur (Bayog, Lakewood, Kumalarang, Guipos, Dumalinao, Tukuran, Ramon Magsaysay, Aurora, Somnot, Tigbao, Labangan, Pagadian City, Midsalip,.) and the northern portion of Zamboanga Sibugay (Titay, Ipil, Naga, Kabasalan, Siay, Diplahan, Buug)



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HAZARDS AFFECTING LAND AREAS

Heavy Rainfall

- **Today through tomorrow early morning:** Heavy to torrential rains over Caraga, Central Visayas, Misamis Oriental, Camiguin, Southern Leyte, and Negros Occidental. Moderate to heavy with at times intense rains over Leyte, the southern portions of Eastern Samar and Samar, Zamboanga del Norte, Lanao del Sur, Davao Oriental, Davao de Oro, Davao del Norte, and the rest of Northern Mindanao. Light to moderate with at times heavy rains over Bicol Region, Quezon, and the rest of Visayas, the rest of Zamboanga Peninsula, and mainland Bangsamoro.
- **Tomorrow early morning through Saturday early morning:** Heavy to intense with at times torrential rains over Central Visayas, Western Visayas, and Palawan including Calamian Islands, Cuyo, and Cagayancillo Islands. Moderate to heavy with at times intense rains over Bicol Region, Zamboanga Peninsula, Quezon, Occidental Mindoro, Oriental Mindoro, Romblon, Marinduque, Lanao del Norte, Lanao del Sur, and the rest of Visayas. Light to moderate with at times heavy rains over Caraga, the southern portion of Aurora, and the rest of Northern Mindanao.
- **Saturday early morning through Sunday early morning:** Heavy to torrential rains over Kalayaan Islands. Light to moderate with at times heavy rains over Cagayan Valley, Aurora, Quezon, mainland Palawan and Calamian Islands.
- Under these conditions, **scattered to widespread flooding (including flash floods) and rain-induced landslides are expected** especially in areas that are highly or very highly susceptible to these hazard as identified in hazard maps, and in localities with significant antecedent rainfall.

Severe Winds

- Winds may reach typhoon strength up to 195 km/h in strength within any of the areas where TCWS #4 is hoisted during the passage of the typhoon. This may cause generally heavy to very heavy damage to structures and vegetation.
- Destructive typhoon-force winds will be experienced within any of the areas where TCWS #3 is in effect. This may bring moderate to heavy damage to structures and vegetation.
- Damaging winds reaching gale- to storm-force strength will be experienced within any of the areas where TCWS #2 is in effect. This may result in generally light to moderate damage to structures and vegetation.
- Strong winds (strong breeze to near gale) with higher gusts will be experienced within any of the areas where TCWS #1 is currently in effect during the passage of the typhoon. This may generally bring up to very light damage to structures and vegetation.

Coastal Inundation

There is a **moderate to high risk of storm surge** of up to 3.0 m in height which may cause life-threatening flooding in the low-lying coastal areas of Central Visayas, Iloilo, Guimaras, Negros Occidental, Southern Leyte, Dinagat Islands, Surigao del Norte, Surigao del Sur, Agusan del Norte, and several localities in the northern portion of Palawan including Calamian, Cuyo and Cagayancillo Islands, Antique, the southern portions of Samar and Eastern Samar, Leyte, and Misamis Oriental. For more information, refer to Storm Surge Warning #5 issued at 2:00 PM today.

HAZARDS AFFECTING COASTAL WATERS

- In the next 24 hours, moderate to very high seas (1.2 to 12.0 m) will be experienced over the seaboard of areas where TCWS is in effect (especially in the open sea areas). **These conditions are risky for all types of sea vessels.** Mariners are advised to remain in port or take shelter in port until winds and waves subside.
- Under the influence of Typhoon “ODETTE” and the prevailing Northeast Monsoon, a **Gale Warning remains in effect** for several coastal waters not under any wind signal, specifically the seaboard of Northern Luzon, and the eastern seaboard of Central and Southern Luzon. For more information, refer to Gale Warning #50 issued at 5:00 PM today.
- In the next 24 hours, moderate to rough seas (1.2 to 3.1 m) will also prevail over the remaining seaboard of the country that are not under any wind signal. **These conditions are risky for those using small seacrafts.** Mariners are advised to take precautionary measures when venturing out to sea and, if possible, avoid navigating in these conditions.



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TRACK AND INTENSITY OUTLOOK

- **Recent Landfall:** Siargao Island, Surigao del Norte (1:30 PM); Cagdianao, Dinagat Islands (3:10 PM); Liloan, Southern Leyte (4:50 PM)
- On the forecast track, "ODETTE" will continue moving westward and may make another landfall over the southern portion of Southern Leyte this afternoon. Afterwards, the center of the tropical cyclone will cross several provinces in Central and Western Visayas regions before emerging over the Sulu Sea tomorrow morning. After passing near or in the vicinity of either Cuyo or Cagayancillo archipelago, "ODETTE" is forecast to cross the northern or central portion of Palawan tomorrow afternoon or evening before emerging over the West Philippine Sea.
- "ODETTE" may see some slight weakening as it crosses Visayas and Palawan, but it is forecast to remain as a typhoon. Re-intensification is likely once "ODETTE" emerges over the West Philippine Sea. However, weakening may ensue beginning Saturday evening or Sunday as the typhoon becomes exposed to increasing vertical wind shear and the surge of the Northeast Monsoon.

Considering these developments, the public and disaster risk reduction and management offices concerned are advised to take all necessary measures to protect life and property. Persons living in areas identified to be highly or very highly susceptible to these hazards are advised to follow evacuation and other instructions from local officials. **For heavy rainfall warnings, thunderstorm/rainfall advisories, and other severe weather information specific to your area, please monitor products issued by your local PAGASA Regional Services Division.**

The next tropical cyclone bulletin will be issued at 8:00 PM today.

DOST-PAGASA