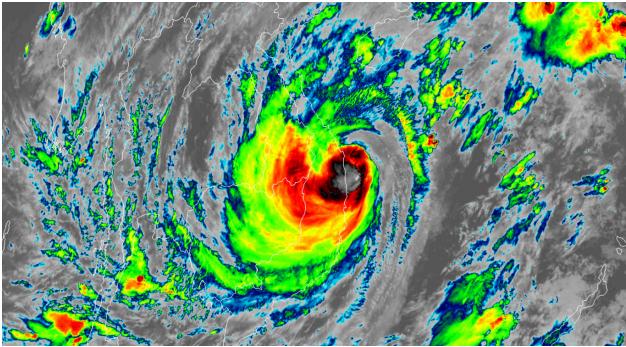# Current Details from the Joint Typhoon Warning Center

COORDINATES: 15.1° north, 109.1° east
LOCATION: 200 kilometers (125 miles) southeast of Da Nang, Vietnam
MOVEMENT: west-northwest at 30 kph (18 mph)
WINDS: 165 kph (105 mph) with gusts to 205 kph (125 mph)
RADIUS OF TROPICAL STORM-FORCE WINDS: 240 kilometers (150 miles)
RADIUS OF HURRICANE-FORCE WINDS: 75 kilometers (45 miles)
SAFFIR-SIMPSON SCALE RANKING*: Category 2

FORECAST LANDFALL LOCATION: central Vietnam (Quảng Ngãi province)
FORECAST LANDFALL TIMEFRAME: Wednesday morning local time
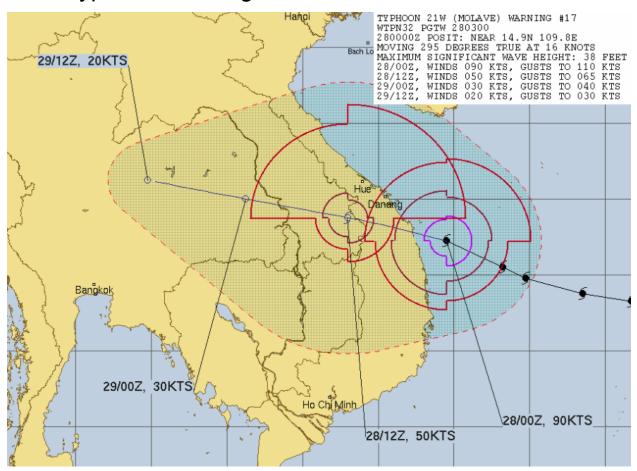
Latest Satellite Picture

Source: NOAA / NASA / Colorado State University (RAAMB)

Discussion

Typhoon Molave, located approximately 200 kilometers (125 miles) southeast of Da Nang, Vietnam, is currently tracking west-northwest at 30 kph (18 mph). Satellite imagery continues to show deep convective bands wrapping into an obscured low-level circulation schedule. The storm is currently just offshore central Vietnam, and numerous heavy rain bands have already been affecting Vietnam and parts of Cambodia. The JTWC has set an initial intensity at 165 kph (105 mph) – a high-end Category 2 hurricane equivalent on the Saffir-Simpson Hurricane Wind Scale; 1-minute sustained average. This is based on the latest Dvorak satellite intensity estimates. Some minor weakening has occurred in recent hours as the storm starts to interact with land. Molave is still tracking along the southern periphery of a ridge of high pressure located to the north.

The cyclone will continue to track generally west-northwestward under the steering influence of the previously noted ridge through the remainder of the forecast period. As the system tracks towards the coast of central Vietnam, it will continue to weaken slightly due to increasing wind shear and land interaction. The storm will have fully made landfall just south of Da Nang, Vietnam within 12 hours and begin to rapidly weaken. This rapid weakening trend will result in near total dissipation within 24 hours. However, remnants of Molave will produce additional heavy rainfall across Vietnam, Cambodia, and possibly Thailand. These areas have already dealt with several weeks of flooding rains.

Joint Typhoon Warning Center Forecast


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TYPHOON 21W (MOLAVE) WARNING #17
WTPN32 PGTW 280300
280000Z POSIT: NEAR 14.9N 109.8E
MOVING 295 DEGREES TRUE AT 16 KNOTS
MAXIMUM SIGNIFICANT WAVE HEIGHT: 38 FEET
28/00Z, WINDS 090 KTS, GUSTS TO 110 KTS
28/12Z, WINDS 050 KTS, GUSTS TO 065 KTS
29/00Z, WINDS 030 KTS, GUSTS TO 040 KTS
29/12Z, WINDS 020 KTS, GUSTS TO 030 KTS
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Additional Information and Update Schedule

Wind intensity forecasts and forecast track information can be found via the Joint Typhoon Warning Center at https://metocph.nmci.navy.mil/jtwc.php

NEXT CAT ALERT: Since rapid dissipation over land is anticipated after landfall, this will be the final Cat Alert. Full details will available in this week's Weekly Cat Report.

*Tropical Cyclone Intensity Classifications for Global Basins

WIND SPEED			BASINS AND MONITORING BUREAU						
KTS[1]	MPH[1]	KPH[1]	NE Pacific, Atlantic — National Hurricane Center (NHC)	NW Pacific — Joint Typhoon Warning Center (JTWC)	NW Pacific — Japan Meteorological Agency (JMA)	SW Pacific — Fiji Meteorological Service (FMS)	Australia — Bureau Of Meteorology (BOM)	SW Indian — Meteo-France (MF)	North Indian — India Meteorological Department (IMD)
30	35	55	Tropical Depression	Tropical Depression	Tropical Depression	Tropical Depression	Tropical Low	Tropical Depression	Deep Depression
35	40	65	Tropical Storm	Tropical Storm	Tropical Storm	Cat. 1 Tropical Cyclone	Cat. 1 Tropical Cyclone	Moderate Tropical Storm	Cyclonic Storm
40	45	75							
45	50	85							
50	60	95			Severe Tropical Storm	Cat. 2 Tropical Cyclone	Cat. 2 Tropical Cyclone	Severe Tropical Storm	Severe Cyclonic Storm
55	65	100							
60	70	110							
65	75	120	Cat. 1 Hurricane	Typhoon	Typhoon	Cat. 3 Severe Tropical Cyclone	Cat. 3 Severe Tropical Cyclone	Tropical Cyclone	Very Severe Cyclonic Storm
70	80	130							
75	85	140							
80	90	150							
85	100	160	Cat. 2 Hurricane			Cat. 4 Severe Tropical Cyclone	Cat. 4 Severe Tropical Cyclone	Intense Tropical Cyclone	
90	105	170							
95	110	175							
100	115	185	Cat. 3 Major Hurricane						
105	120	195							
110	125	205							
115	130	210							
120	140	220	Cat. 4 Major Hurricane			Cat. 5 Severe Tropical Cyclone	Cat. 5 Severe Tropical Cyclone	Very Intense Tropical Cyclone	Super Cyclonic Storm
125	145	230							
130	150	240		Super Typhoon					
135	155	250							
140	160	260	Cat. 5 Major Hurricane						
>140	>160	>260							

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