

Current Details from the Joint Typhoon Warning Center

COORDINATES: 21.4° north, 87.2° east

LOCATION: 195 kilometers (120 miles) south-southwest of Kolkata, India

MOVEMENT: north at 17 kph (10 mph)

WINDS: 120 kph (75 mph) with gusts to 150 kph (90 mph)

RADIUS OF TROPICAL STORM-FORCE WINDS: 30 kilometers (15 miles)

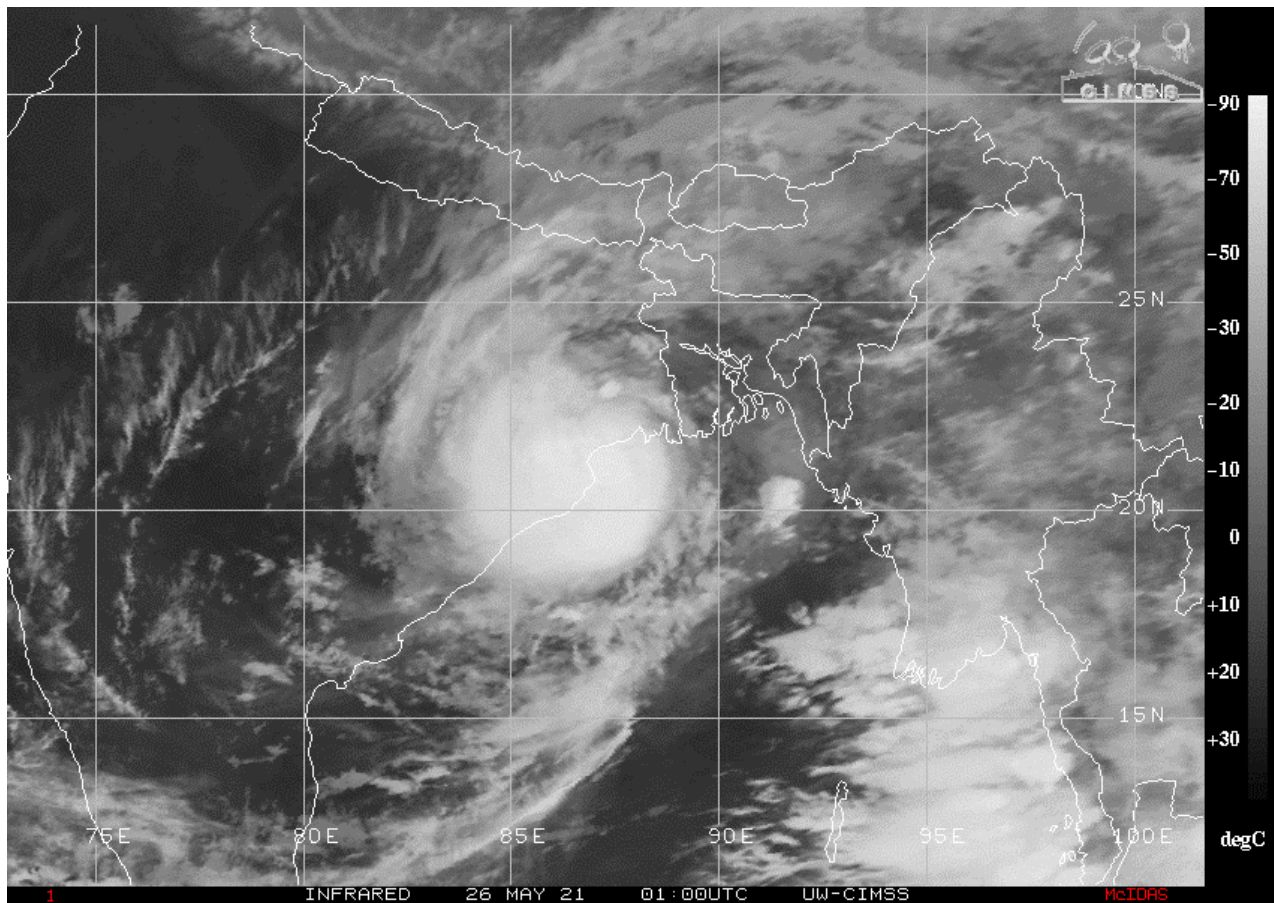
RADIUS OF HURRICANE-FORCE WINDS: 215 kilometers (130 miles)

SAFFIR-SIMPSON SCALE RANKING*: Category 1

FORECAST LANDFALL LOCATION: Odisha (state), India

FORECAST LANDFALL TIMEFRAME: Wednesday afternoon local time

Latest Satellite Picture



Source: University of Wisconsin (CIMSS)

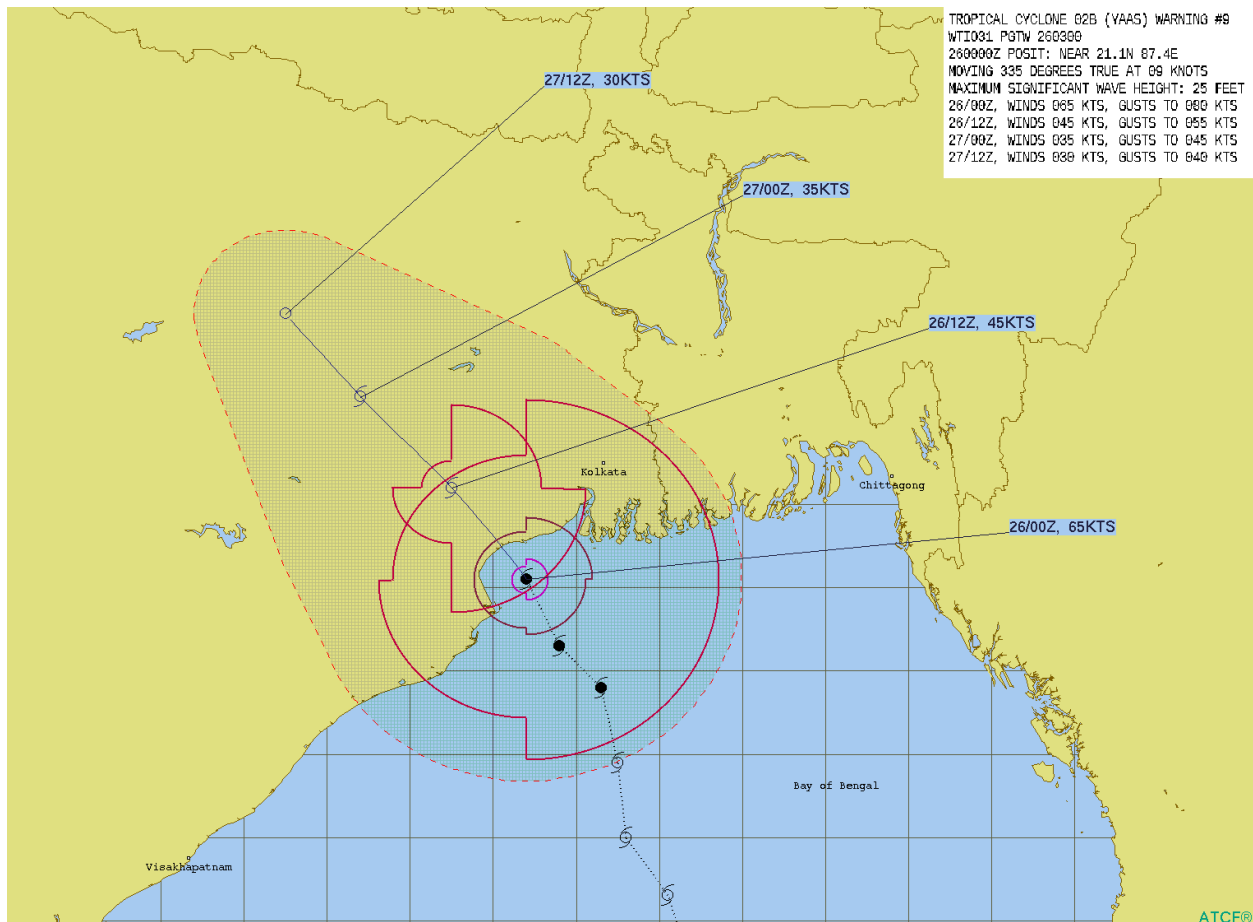
Discussion

Cyclone Yaas, located approximately 195 kilometers (120 miles) south-southwest of Kolkata, India, is currently tracking northwest at 17 kph (10 mph). Enhanced satellite imagery and radar scans reveal that the deep, rain-bearing convective clouds are wrapping around a well-defined low level circulation center. The JTWC has set an initial intensity at 120 kph (75 mph) winds (1-min average sustained); Category 1-equivalent storm on the Saffir-Simpson Hurricane Wind Scale. The intensity of the storm is based on the latest Dvorak satellite estimates and have been placed by the JTWC with fair confidence.

Cyclone Yaas is currently located in slightly less favorable environment with low to moderate wind shear and weak cloud outflow conditions. However, the sea surface temperatures remain warm along the storm's path. The satellite images also reveal that the system has started to exhibit some early signs of weakening due to its proximity to the coast; however, it has maintained the overall convective signature. As previously noted, continued gradual weakening is anticipated due to frictional effects of land and increasing wind shear near the coast.

Cyclone Yaas is forecast to track north-northwestward along the western periphery of steering ridge of high pressure located to the northeast during next 6 to 12 hours. The system is forecast to officially make landfall near the mouth of the Budhabalanga River estuary in the Indian state of Odisha within the next few hours. After making landfall, the system is anticipated to quickly dissipate due to interaction with rugged terrain and subsequent moisture supply cut-off. Most of the models remain in good agreement, lending overall high confidence in the JTWC forecast.

Joint Typhoon Warning Center Forecast



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 landfall will occur within the next few hours and the system will rapidly weaken over land, this will be the final Cat Alert. Full details will be found 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	NW Pacific	NW Pacific	SW Pacific	Australia	SW Indian	North Indian
			National Hurricane Center (NHC)	Joint Typhoon Warning Center (JTWC)	Japan Meteorological Agency (JMA)	Fiji Meteorological Service (FMS)	Bureau Of Meteorology (BOM)	Meteo-France (MF)	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		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	Cat. 2 Hurricane			Cat. 4 Severe Tropical Cyclone	Cat. 4 Severe Tropical Cyclone	Intense Tropical Cyclone	
85	100	160							
90	105	170							
95	110	175	Cat. 3 Major Hurricane		Typhoon				
100	115	185							
105	120	195							
110	125	205	Cat. 4 Major Hurricane		Super Typhoon				
115	130	210							
120	140	220							
125	145	230							
130	150	240	Cat. 5 Major Hurricane					Very Intense Tropical Cyclone	Super Cyclonic Storm
135	155	250							
140	160	260							
>140	>160	>260							

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