



**India Meteorological Department
(Ministry of Earth Sciences)**

HOURLY UPDATE ON SEVERE CYCLONIC STORM “MONTHA”

BULLETIN NO. 16

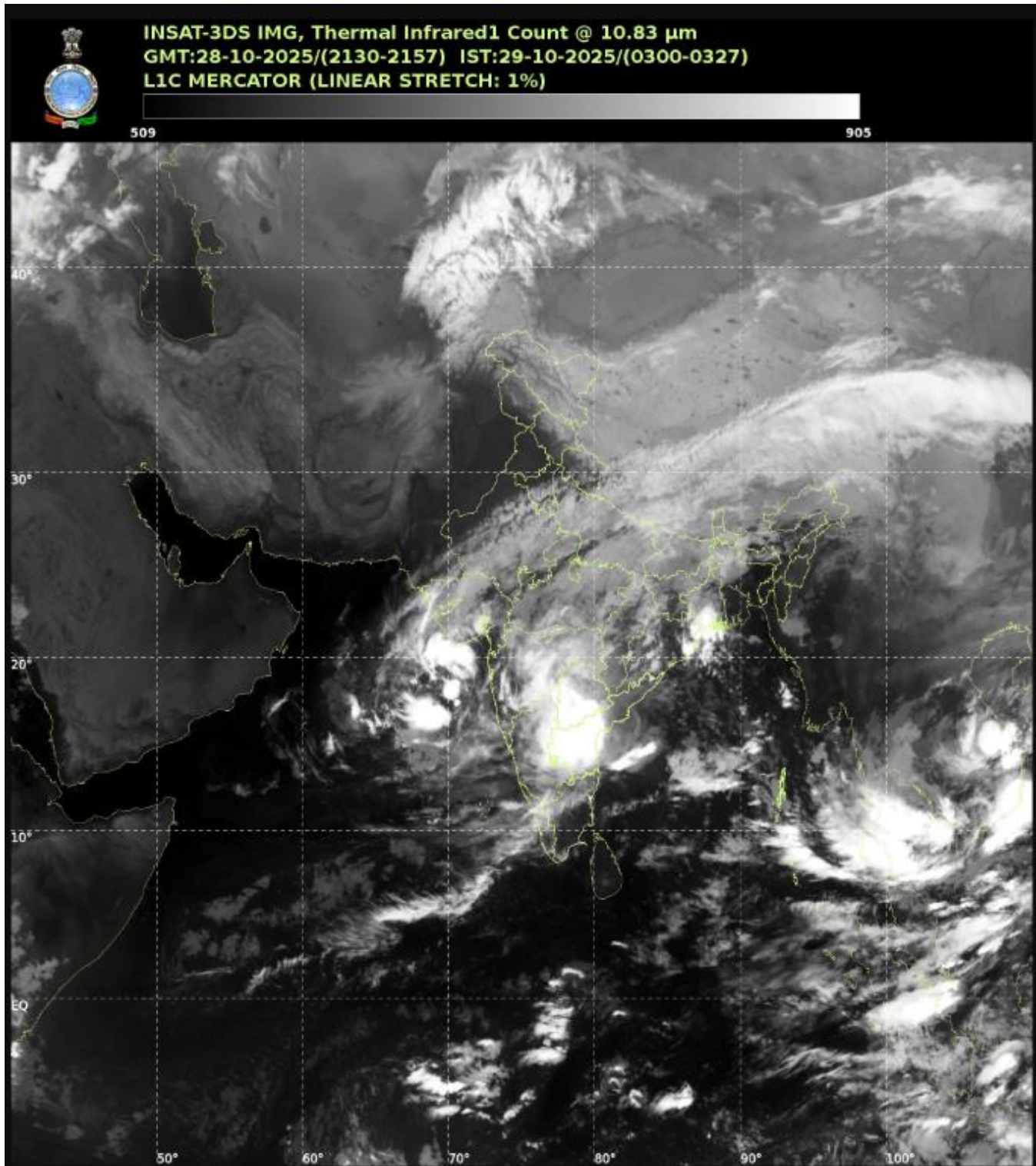
DATE: 29-10-2025

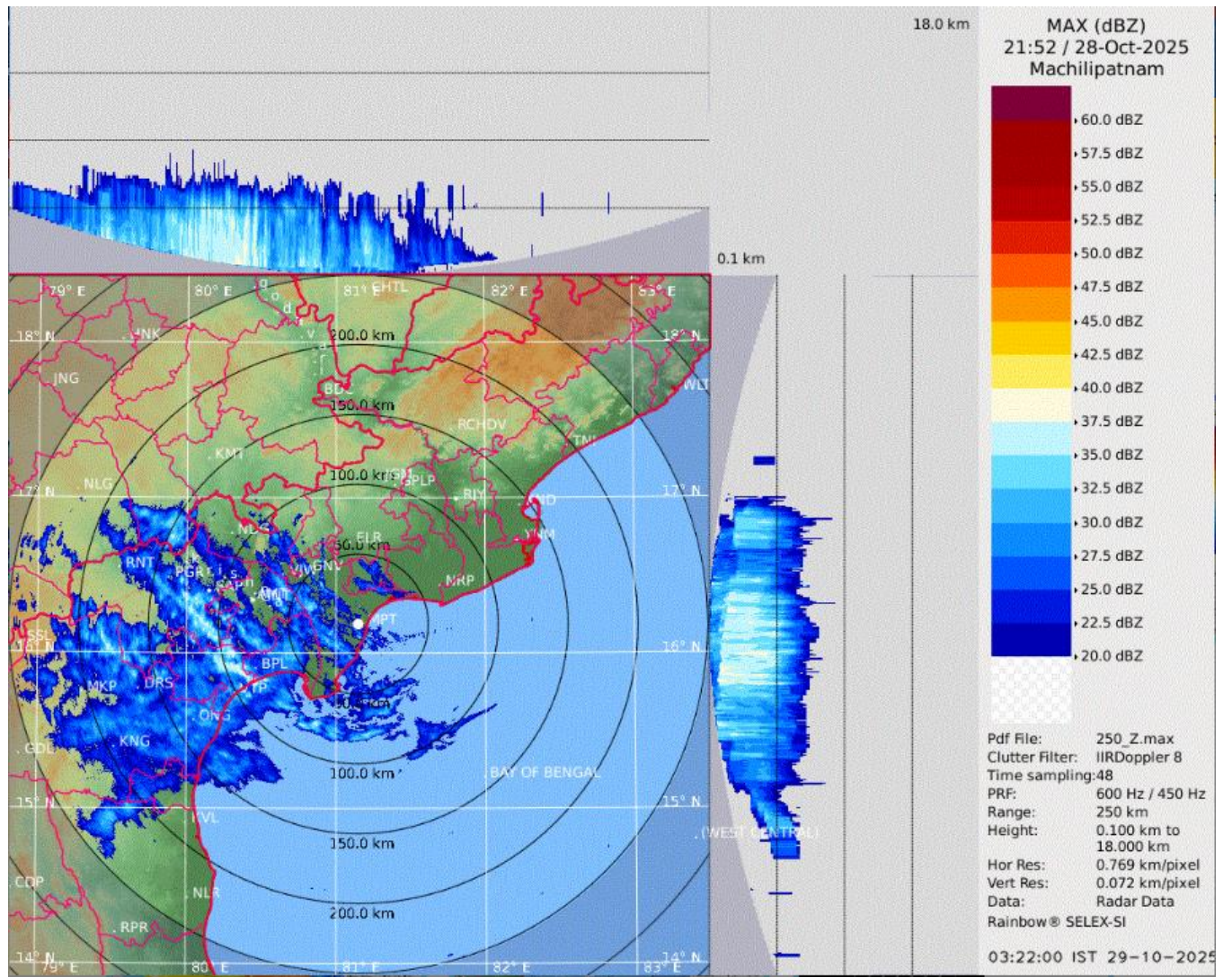
TIME OF ISSUE 0350 HRS IST

DATE/TIME (IST) OF OBSERVATION	BASED ON 29-10-2025 (0230 HRS IST)
LOCATION LATITUDE/LONGITUDE	The Severe Cyclonic Storm “Montha” [Pronunciation: Mon-Tha] over the coastal Andra Pradesh moved northwestwards with a speed of 10 kmph during past six hours and weaken into a cyclonic storm over the same region, and lay centered at 0230 hrs IST of today, th 29 th October 2025, ,near latitude 16.5°N & longitude 81.5°E, about 50 km northeast of Machilipatnam (Andhra Pradesh), 90 km west-southwest of Kakinada (Andhra Pradesh), 230 km southwest of Visakhapatnam (Andhra Pradesh) and 470 km southwest of Gopalpur (Odisha).
CURRENTINTENSITY WIND SPEED	Cyclonic Storm 75-85 kmph gusting to 95 kmph
FORECAST	It is likely to move nearly northwestwards across coastal Andhra Pradesh and maintain its intensity of cyclonic storm during next 6 hours, and weaken further into a deep depression during subsequent 6 hours. The latest observations indicate that the rear sector of the cyclonic storm “Montha” entered into the land.
OBSERVED WIND SPEED REPORTED	Machilipatnam: 42 kmph Kakinada: 33 kmph Kavali: 20 kmph Bapatla: 43 kmph Visakhapatnam: 47 kmph
CUMULATIVE RAINFALL (mm) SINCE 0830 IST OF TODAY	Kavali: 236 Ulavapadu: 187 Dagadarthi: 186 Nellore: 110 Prakasham-CS Puram: 108 Chirala: 181 mm

This is the last hourly bulletin issued with respect to the severe cyclonic storm “Montha”. However National bulletins and other bulletins plus messages from National Weather Forecasting Centers and other regional meteorological centers will continue regarding the remanent of this system.

SATELLITE IMAGERY

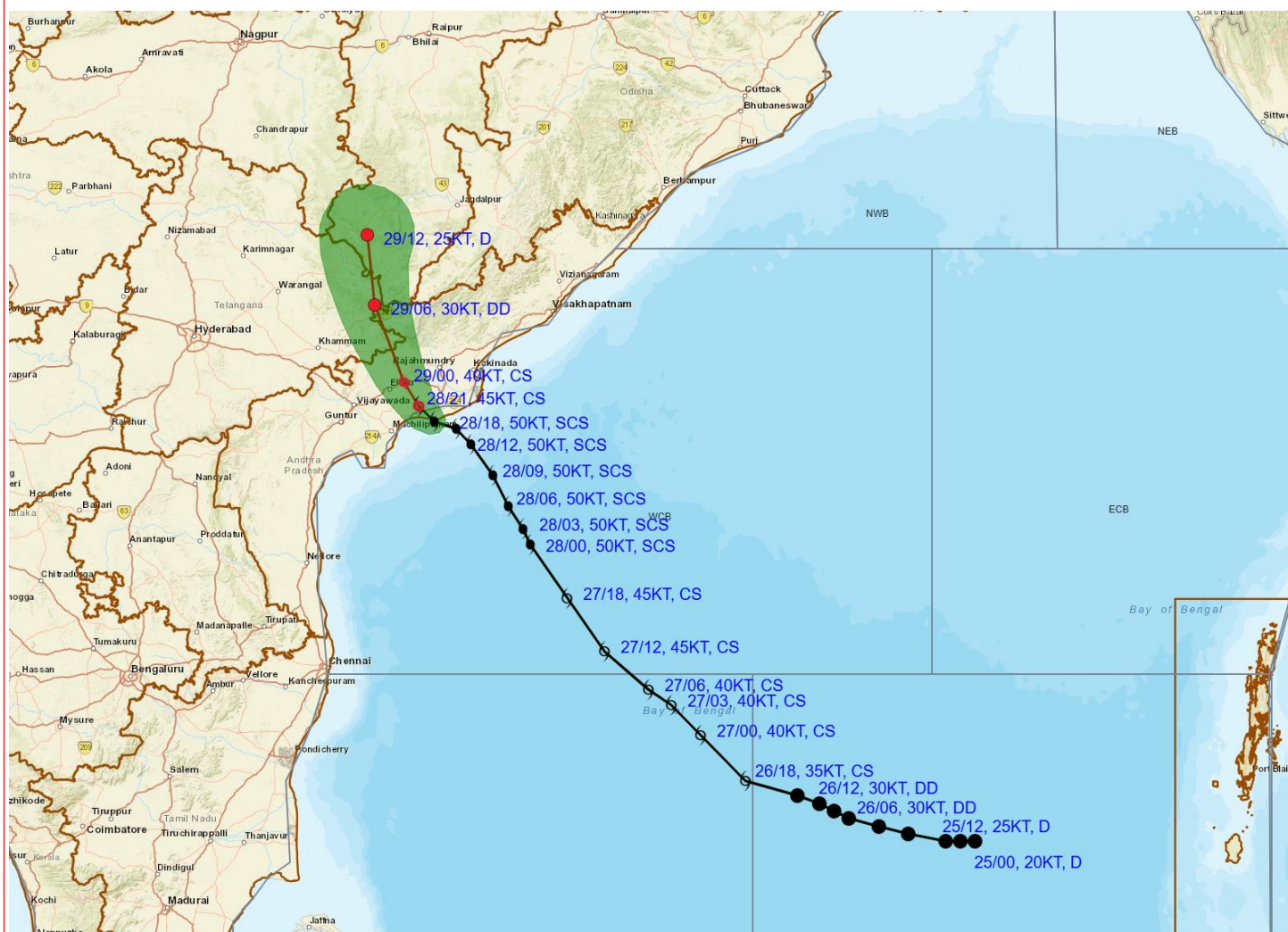




Max Z image of DWR Machilipatnam based on 2152 UTC of 28th October (0322 IST of 29th October 2025)



OBSERVED AND FORECAST TRACK ALONGWITH CONE OF UNCERTAINTY OF CYCLONIC STORM “MONTHA” OVER COASTAL ANDHRA PRADESH BASED ON 2100 UTC OF 28TH OCTOBER 2025 (0230 Hrs. IST OF 29TH OCTOBER).



DATE/TIME IN UTC

IST=UTC + 0530

L: LOW PRESSURE AREA

WML: WELL MARKED LOW PRESSURE AREA

D: DEPRESSION (17-27 KT)

DD: DEEP DEPRESSION (28-33 KT)

CS: CYCLONIC STORM (34-47 KT)

SCS: SEVERE CYCLONIC STORM (48-63KT)

VSCS: VERY SEVERE CYCLONIC STORM (64-89 KT)

ESCS: EXTREMELY SEVERE CYCLONIC STORM (90-119 KT)

SuCS: SUPER CYCLONIC STORM (≥ 120 KT)



LESS THAN 34 KT



34-47 KT



≥ 48 KT



OBSERVED TRACK



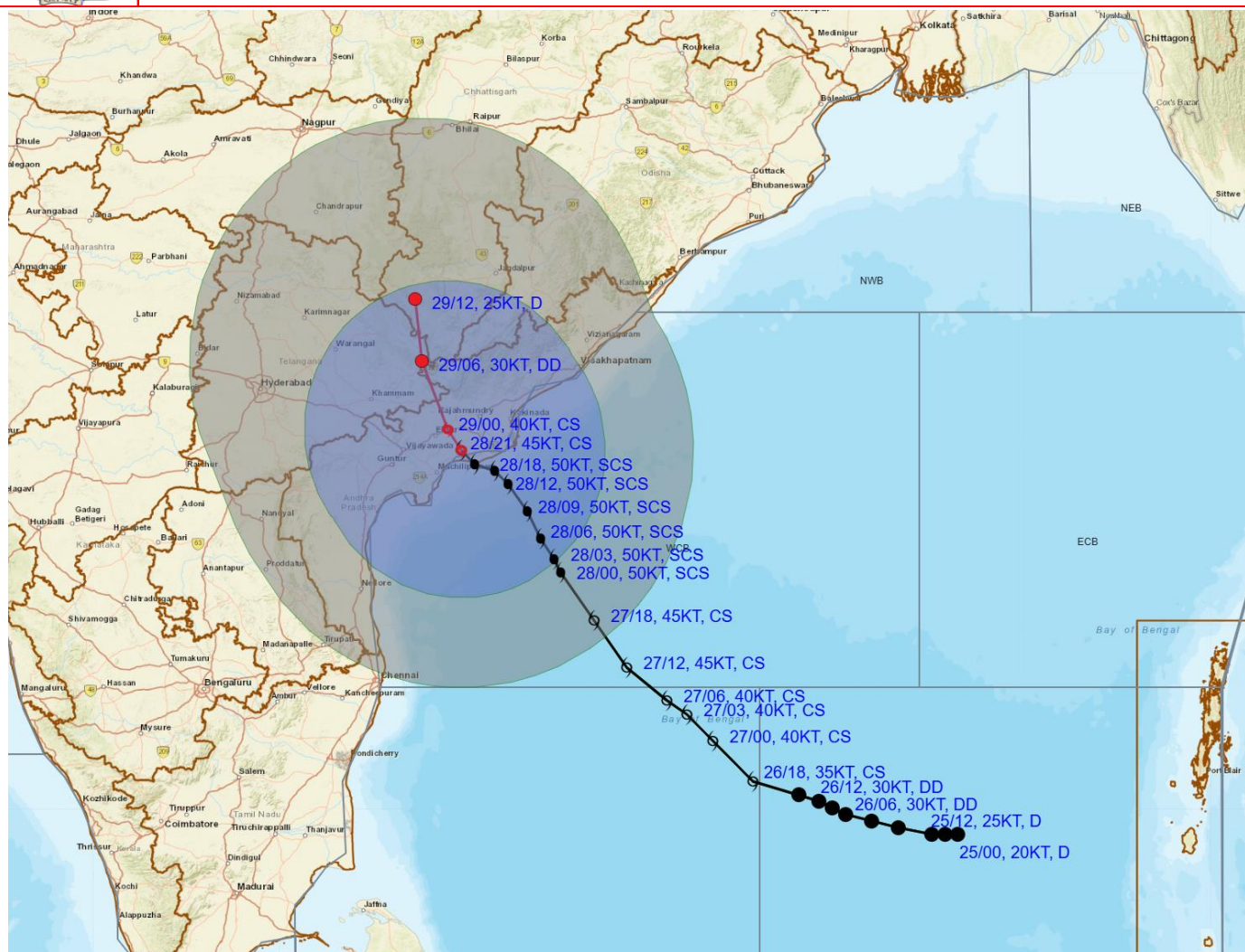
FORECAST TRACK



CONE OF UNCERTAINTY



OBSERVED AND FORECAST TRACK ALONGWITH QUADRANT WIND DISTRIBUTION OF CYCLONIC STORM “MONTHA” OVER COASTAL ANDHRA PRADESH BASED ON 2100 UTC OF 28TH OCTOBER 2025 (0230 Hrs. IST OF 29TH OCTOBER).



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● LESS THAN 34 KT

○ 34-47 KT

⦿ ≥ 48 KT

— OBSERVED TRACK

— FORECAST TRACK

▲ CONE OF UNCERTAINTY

AREA OF MAXIMUM SUSTAINED WIND SPEED:

■ 28-33 KT (52-61 KMPH)

■ 34-49 KT (62-91 KMPH)

■ 50-63 KT (92-117 KMPH)

■ ≥ 64 KT (≥118 KMPH)

IMPACT OVER THE SEA

MSW (knot/kmph)	Impact	Action
28-33 (52-61)	Very rough seas	Total suspension of fishing operations
34-49 (62-91)	High to very high seas	Total suspension of fishing operations
50-63 (92-117)	Very high seas	Total suspension of fishing operations
≥ 64 (≥118)	Phenomenal	Total suspension of fishing operations