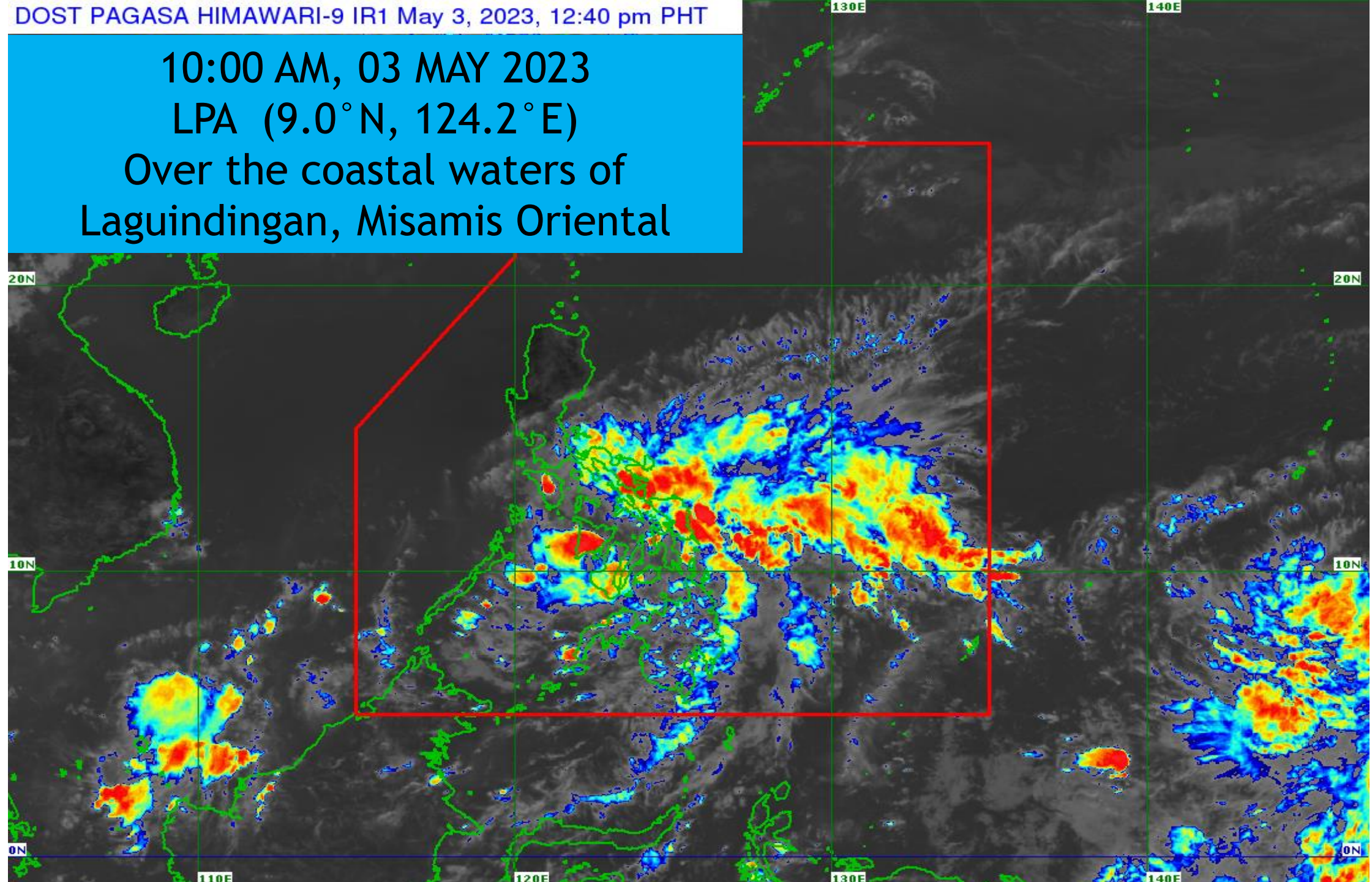


RDRRMC MIMAROPA
Pre-Disaster Risk Assessment
Re: LPA over the coastal waters of Laguindingan,
Misamis Oriental

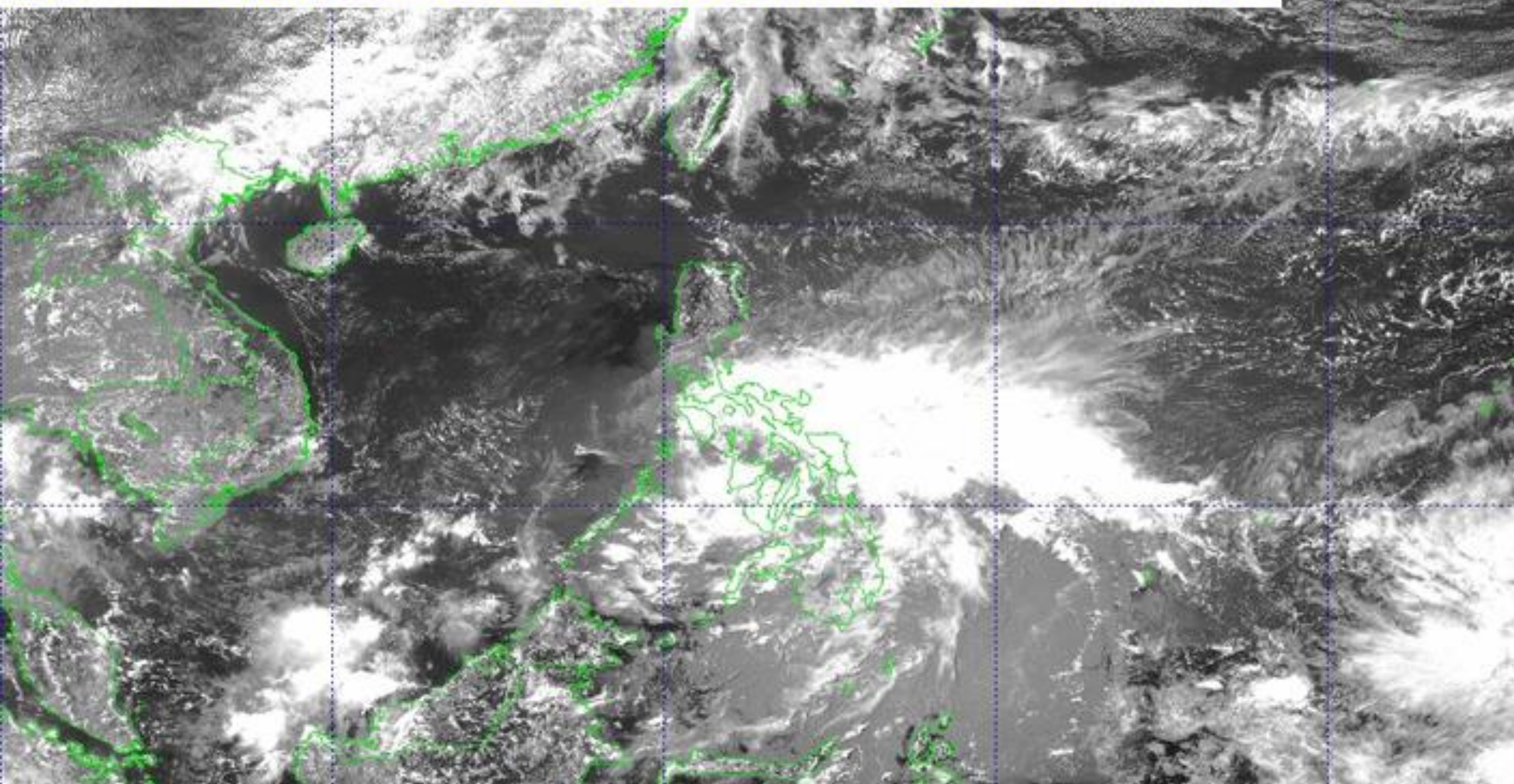
4:00 PM, 03 May 2023

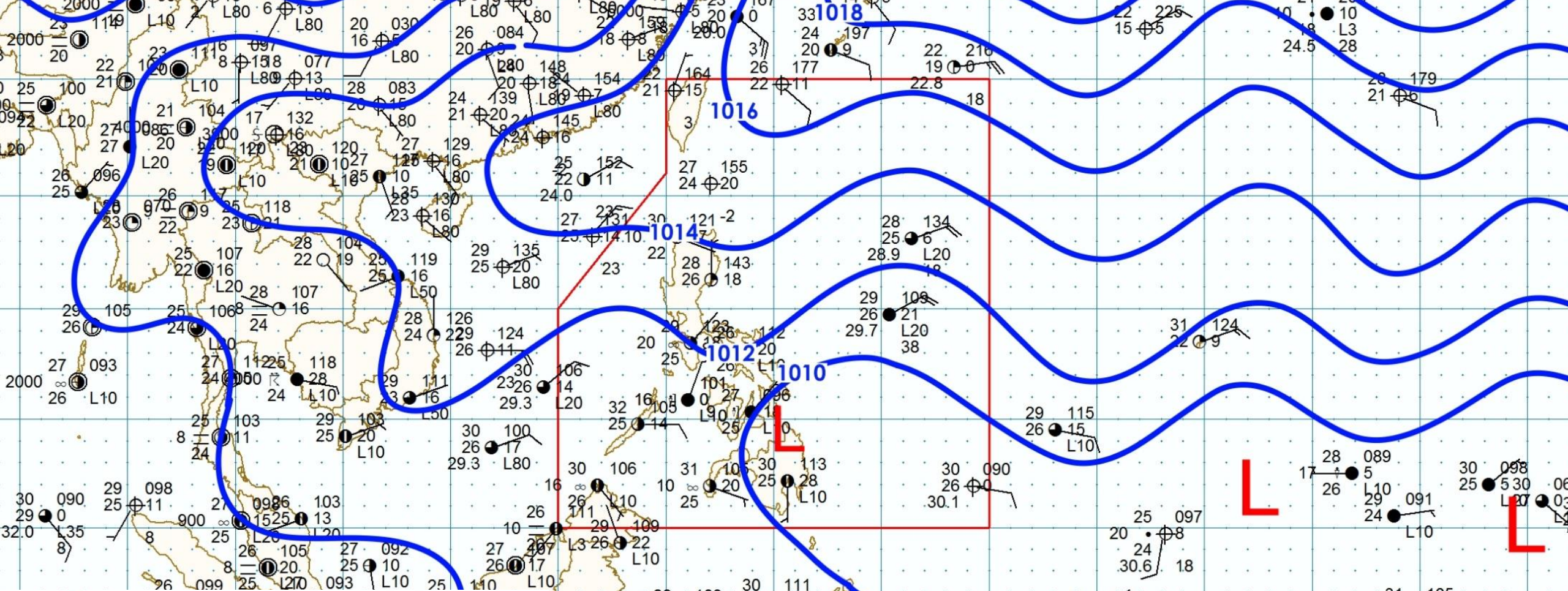
Presented by:
SONNY N. PAJARILLA
SRWS, PAGASA - DOST
Puerto Princesa City

10:00 AM, 03 MAY 2023
LPA (9.0°N, 124.2°E)
Over the coastal waters of
Laguindingan, Misamis Oriental



DOST PAGASA HIMAWARI-9 VIS 2023-05-03 12:30:00 PM PHT





Department of Science and Technology
**Philippine Atmospheric, Geophysical and
 Astronomical Services Administration**
SURFACE MAP
0000 UTC 03 MAY 2023

Legend:

- Isobar
- Tropical Cyclone
- Low Pressure Area
- High Pressure Area
- Cold Front
- Warm Front
- Stationary Front
- Occluded Front

Analyzed by: **ADA**

Tropical Cyclone (TC)-Threat Potential

Initialization: 02 May 2023 (8 AM)

Date Issued: 03 May 2022

Validity: Valid within the forecast period, unless superseded by succeeding forecast.

Forecast Summary:

Week-1 (May 03-09, 2023)

- For the TC-like vortex (TCLV) present within the PAR, surveyed models predict a moderate to high likelihood of cyclogenesis.
- Therefore, the **TC-THREAT is active** in week-1.

Week-2 (May 10- 16, 2023)

- Given that TCLV development is unlikely, the likelihood of TC formation is low in week-2.
- Therefore, **NO TC-THREAT** potential during week-2.

However, any changes in the forecast pattern will be closely monitored, and updates will be issued as needed.

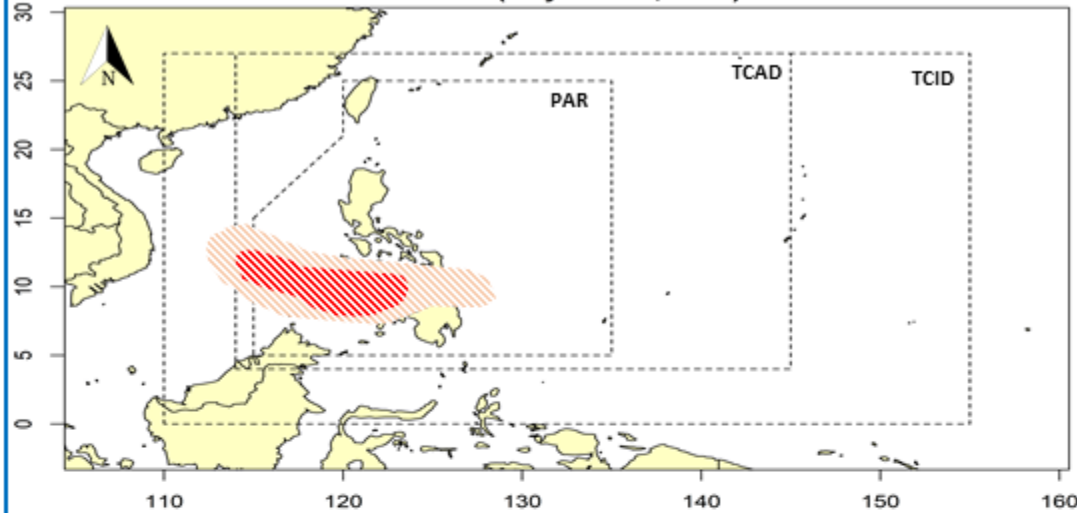
Note: The information contained here is based on the 6-hourly forecasts of the NCEP-GEFS issued in the past 24 hours where the Central Weather Bureau (CWB) TC Tracking algorithm was applied. This product was part of the collaboration between PAGASA and CWB through the MECO/TECO VOTE Project. This is for guidance purposes only.

For Weather Updates, kindly refer to: www.bagong.pagasa.dost.gov.ph/weather

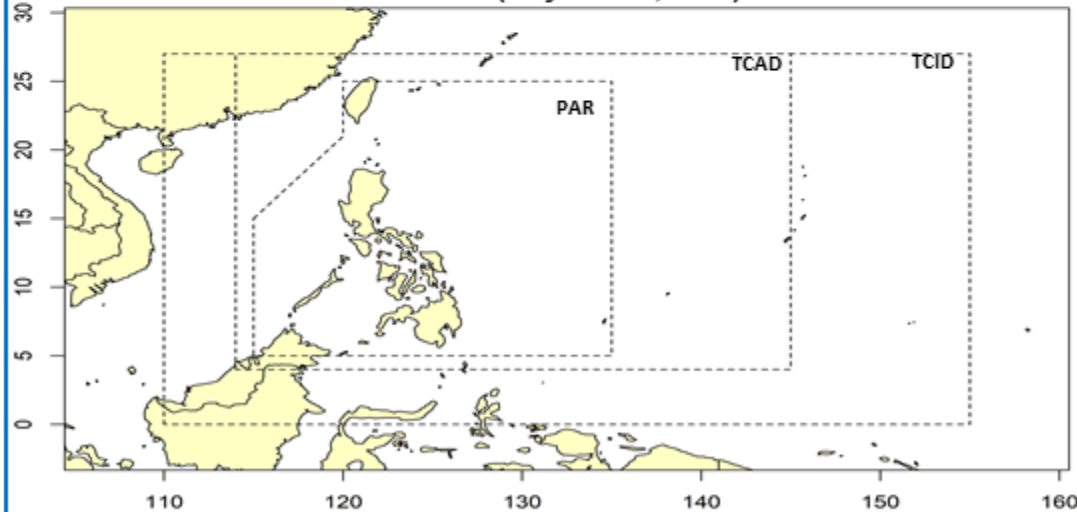
PMD: PAGASA Monitoring Domain
PAR: Philippine Area of Responsibility

TCAD: Tropical Cyclone Advisory Domain
TCID: Tropical Cyclone Information Domain

Week 1 (May 03 - 09, 2023)



Week 2 (May 10 - 16, 2023)



Likelihood of TC Formation



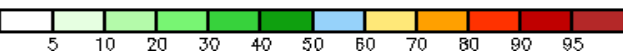
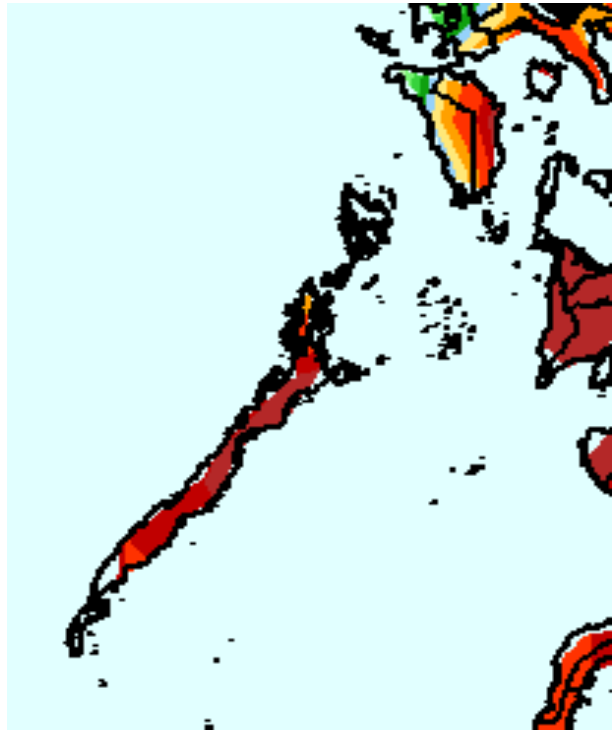
Low: Less chance of formation
Moderate: Has a chance of formation
High: Higher chance of formation
Active TC: Existing TC inside the PMD



Philippine Atmospheric, Geophysical, and Astronomical Services Administration (PAGASA)

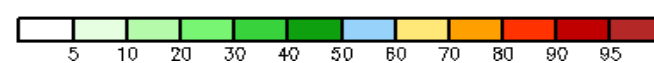
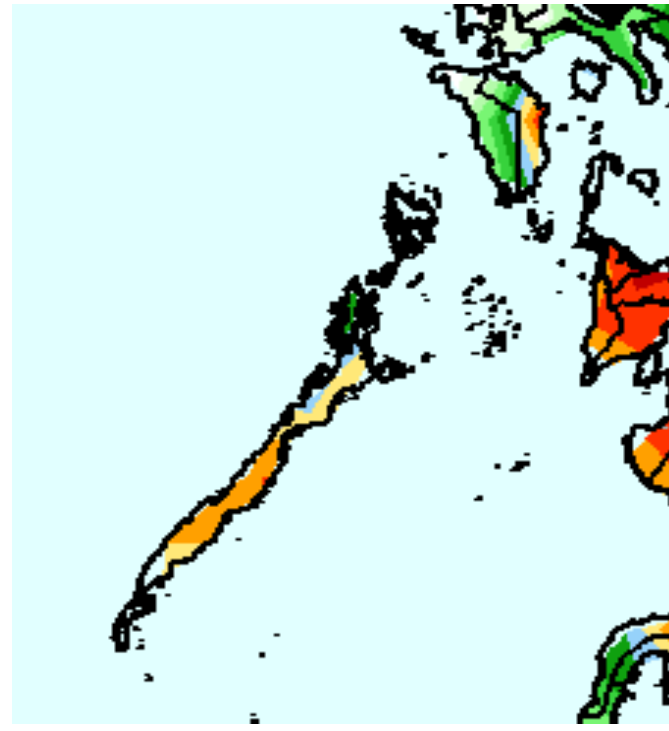
Prepared by: CAD-CLIMPS-Contact us @Tel no:{02}8284-0800 loc. 906 or Email: pagasa.climps@gmail.com

GEFS Week-1 Exceedance Prob. > 25mm
Valid: 20230503 - 20230509



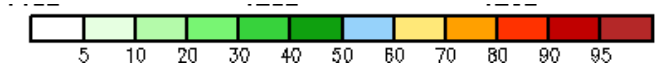
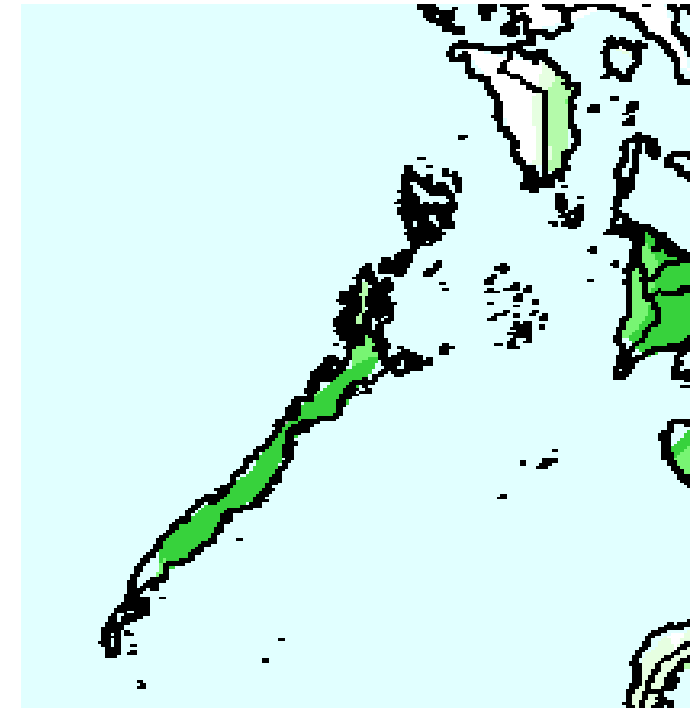
80-90% probability of rainfall to exceed 25mm in Mindoro Oriental while 50-60% probability for the rest of MIMAROPA during the forecast period.

GEFS Week-1 Exceedance Prob. > 50mm
Valid: 20230503 - 20230509



50-80% probability of rainfall to exceed 50mm over the entire Palawan and the eastern portion of Mindoro and less than 50% probability to exceed 50mm of rainfall over the rest of MIMAROPA Region during the forecast period.

GEFS Week-1 Exceedance Prob. > 100mm
Valid: 20230503 - 20230509



50% probability of rainfall to exceed 100mm in Palawan and around 30% chance over the eastern portion of Mindoro; the rest of MIMAROPA Region has low probability to exceed 100mm of rainfall during the forecast period.

Prognosis Summary

18Z Synoptic Analysis:

- Easterly trade winds prevailing over Luzon, increasing convective activities in Visayas and Mindanao with the presence of the near equatorial trough associated with the ITCZ and the presence of a low pressure area near Caraga moving westward.

5-Day Synoptic Guidance

- **Thursday through Friday:** The ITCZ will continue to affect Mindanao. Easterly trade winds to prevail particularly in Luzon. The low pressure area is expected to move westward towards Southern Palawan, it may continue to cause a medium confidence of up to moderate with at times heavy rains in areas over Mindanao, Visayas, and Palawan. The effect of ITCZ may reach up to the rest of MIMAROPA and Bicol Region.
- **Saturday and Monday:** Another low level circulation may persist and may affect the eastern section of Mindanao while the rest of the country will experience isolated thunderstorm activities brought by the Easterly trade winds.

Tropical Cyclone Guidance

- As the LPA near Surigao del Sur moves westward, possible development into TD is not ruled out particularly after 48 hours. Based on recent models (GFS and GSM), the development to TD may happen near Southern Palawan area.

Potential Impacts

- Today until Friday possible moderate to at times heavy rains due to convective activity brought by the ITCZ and LPA in areas over Mindanao (particularly the eastern section) and Visayas. This may cause flashfloods and landslides especially in those areas which experienced rainfall the past days.

Tropical Cyclone (TC)-Threat Potential

Initialization: 02 May 2023 (8 AM)

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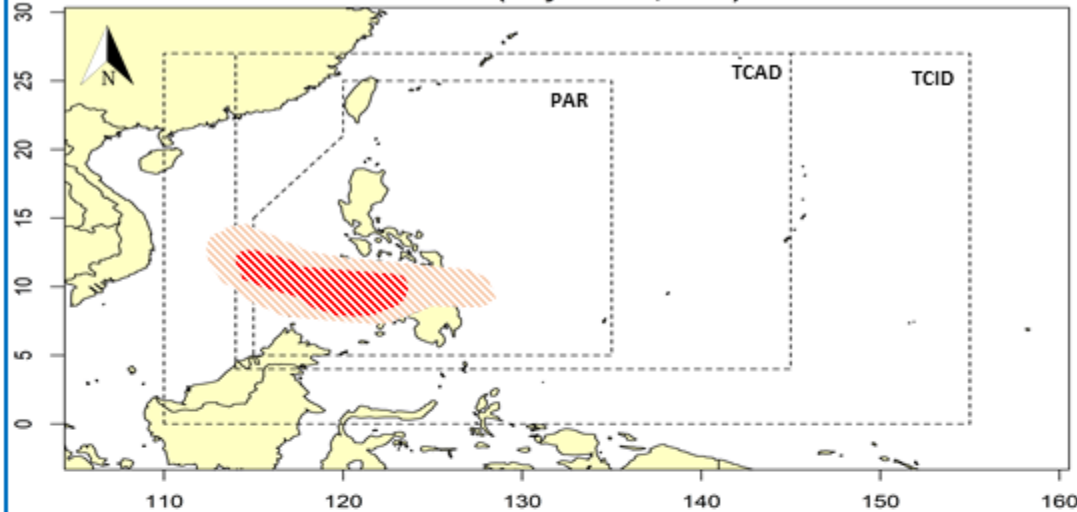
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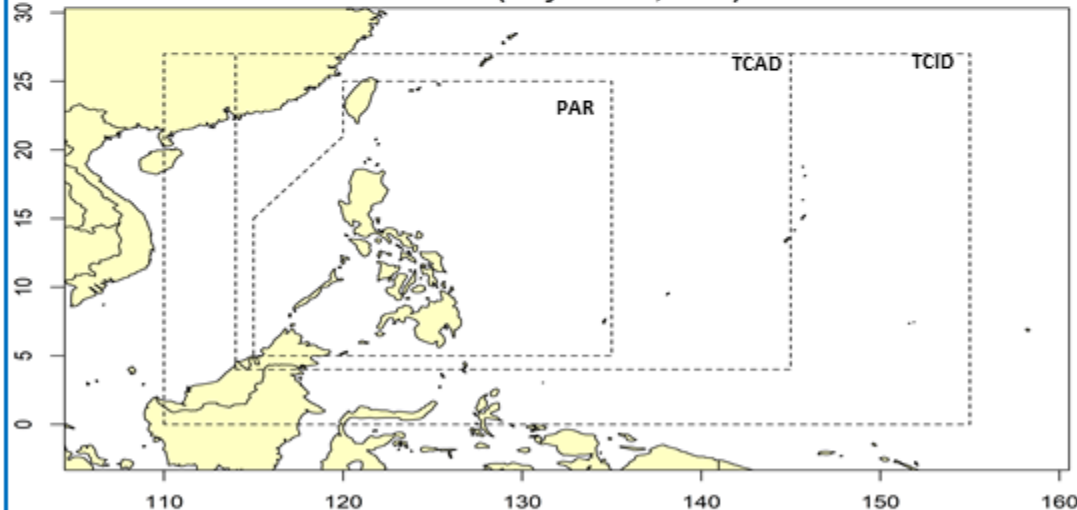
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Week 2 (May 10 - 16, 2023)



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Active TC: Existing TC inside the PMD



Philippine Atmospheric, Geophysical, and Astronomical Services Administration (PAGASA)

Prepared by: CAD-CLIMPS-Contact us @Tel no:{02}8284-0800 loc. 906 or Email: pagasa.climps@gmail.com

10-Day Forecast

Hourly Forecast

WED



32°

60% Chance
of Storms

THUR



32°

70% Chance
of Rain

FRI



30°

80% Chance
of Rain

SAT



30°

Thundersto...

SUN



31°

80% Chance
of Rain

MON



31°

50% Chance
of Rain

TUES



32°

80% Chance
of Rain

WED



32°

70% Chance
of Storms

THUR



32°

Partly Cloudy

WED NIGHT



28°

Warm and
Humid

THUR NIGHT



27°

60% Chance
of Rain

FRI NIGHT



28°

80% Chance
of Rain

SAT NIGHT



27°

70% Chance
of Rain

SUN NIGHT



27°

50% Chance
of Storms

MON NIGHT



27°

Warm and
Humid

TUES NIGHT



27°

60% Chance
of Rain

WED NIGHT



27°

70% Chance
of Rain

THUR NIGHT



28°

Warm and
Humid

WEATHER SUMMARY & OUTLOOK FOR MIMAROPA REGION



- The LPA over the coastal waters of Laguindingan, Misamis Oriental is expected to be over Sulu sea tomorrow morning and has a moderate to high likelihood of developing into a Tropical Depression in the next 24-48 hours.
- Numerical Model guidance predicts a Central Palawan pass towards the West Philippine Sea by tomorrow (Thursday) evening or early Friday morning.
- It is likely to initially move southeast and then northward towards east of Kalayaan island on Friday evening and onwards.
- Thunderstorms are being experienced today all over Palawan and Mindoro provinces.

WEATHER SUMMARY & OUTLOOK FOR MIMAROPA REGION



- This weather disturbance will bring light to moderate to occasionally heavy rains (during thunderstorms) over Palawan and Mindoro today until tomorrow; the same weather condition will be experienced over Palawan on Friday until Tuesday (May 9) next week depending on the LPA's development and movement.
- SEA CONDITION: Today - slight to moderate (except during thunderstorms)

Tomorrow: Moderate to rough

Friday Onwards: Rough over Palawan



THANK YOU