

**Agenda 3iii: Looking Back:
Review & Evaluation of May-October 2021 Climate Outlook
Northern Hemisphere (West Pacific) Tropical Cyclones**

Marcus Landon Aydlett

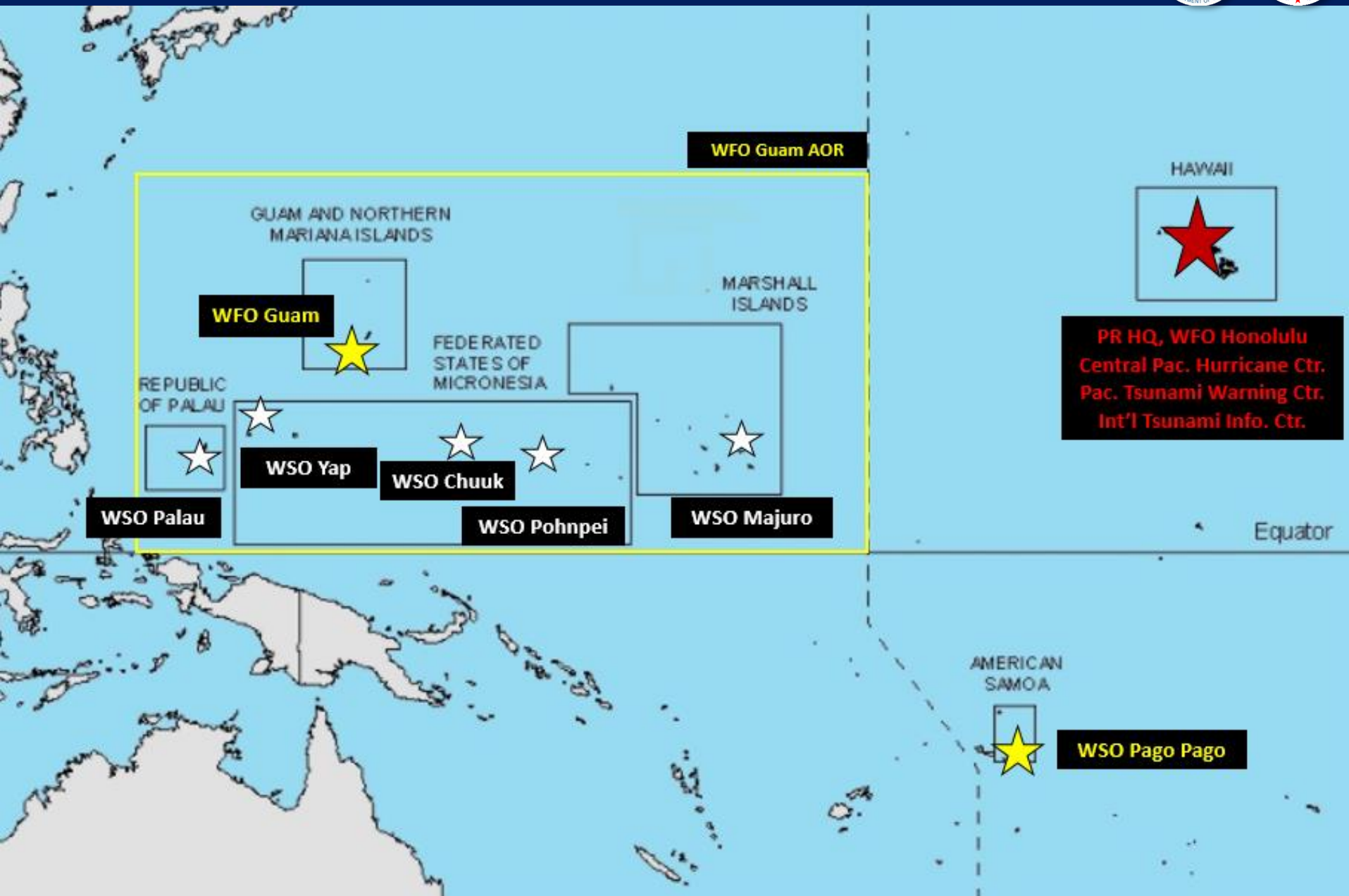
Warning Coordination Meteorologist, US National Weather Service
Weather Forecast Office, Guam

NOAA

Pacific Islands Climate Outlook Forum (PICO F 9)

Virtual (via Zoom) Meeting on 21 October 2021

WFO Guam and NWS Pacific Region



Current Climate: El Nino/La Nina

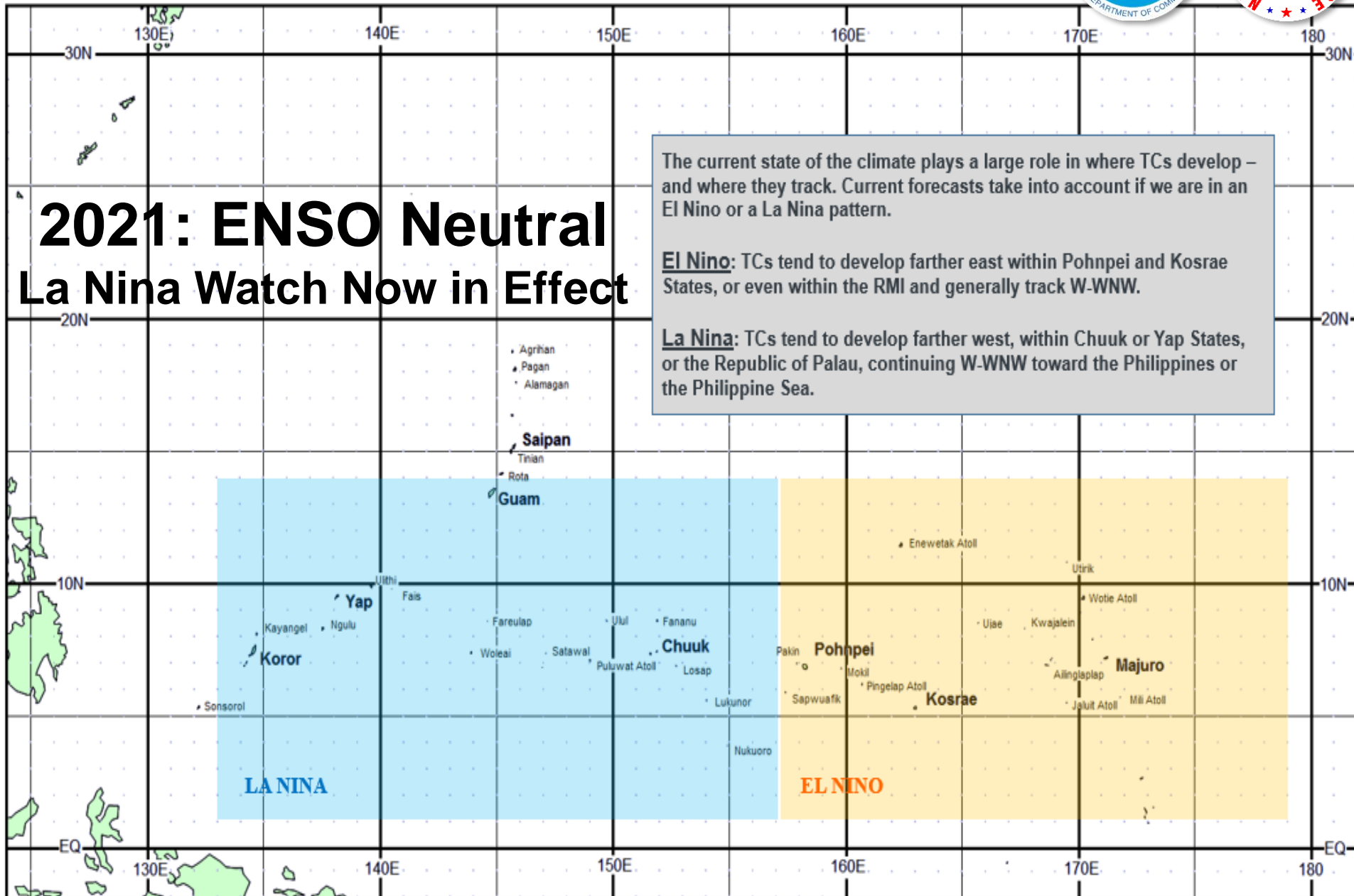


2021: ENSO Neutral
La Nina Watch Now in Effect

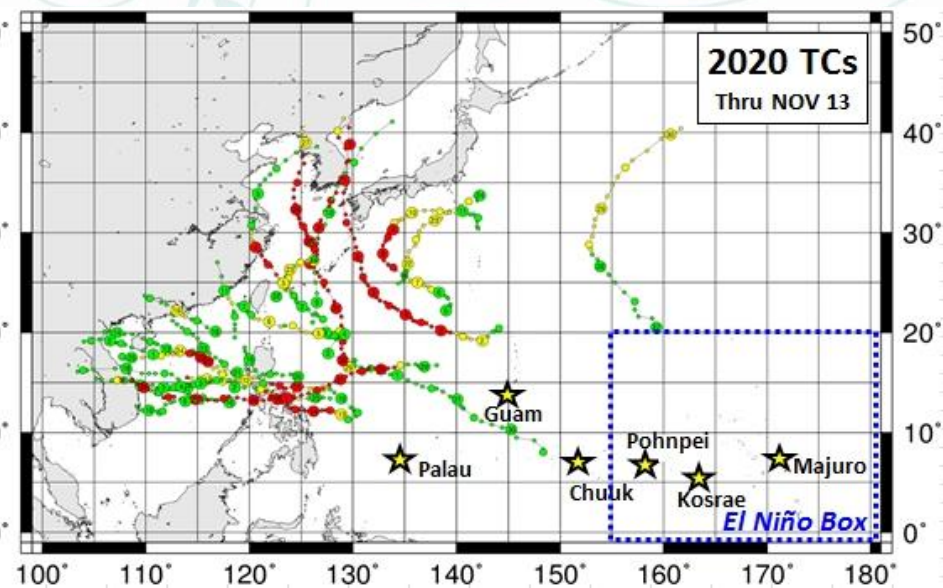
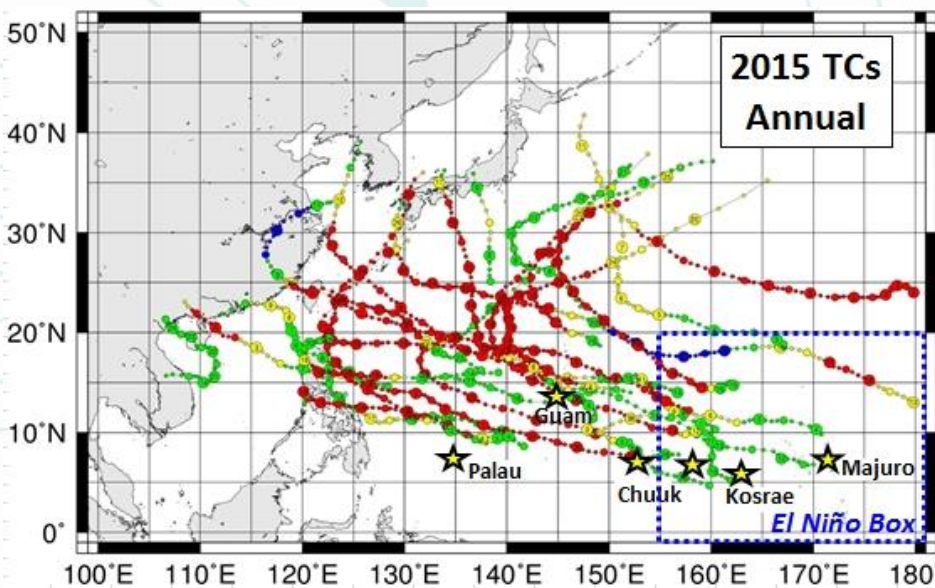
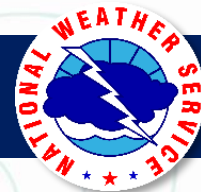
The current state of the climate plays a large role in where TCs develop – and where they track. Current forecasts take into account if we are in an El Nino or a La Nina pattern.

El Nino: TCs tend to develop farther east within Pohnpei and Kosrae States, or even within the RMI and generally track W-WNW.

La Nina: TCs tend to develop farther west, within Chuuk or Yap States, or the Republic of Palau, continuing W-WNW toward the Philippines or the Philippine Sea.



Current Climate: El Nino/La Nina



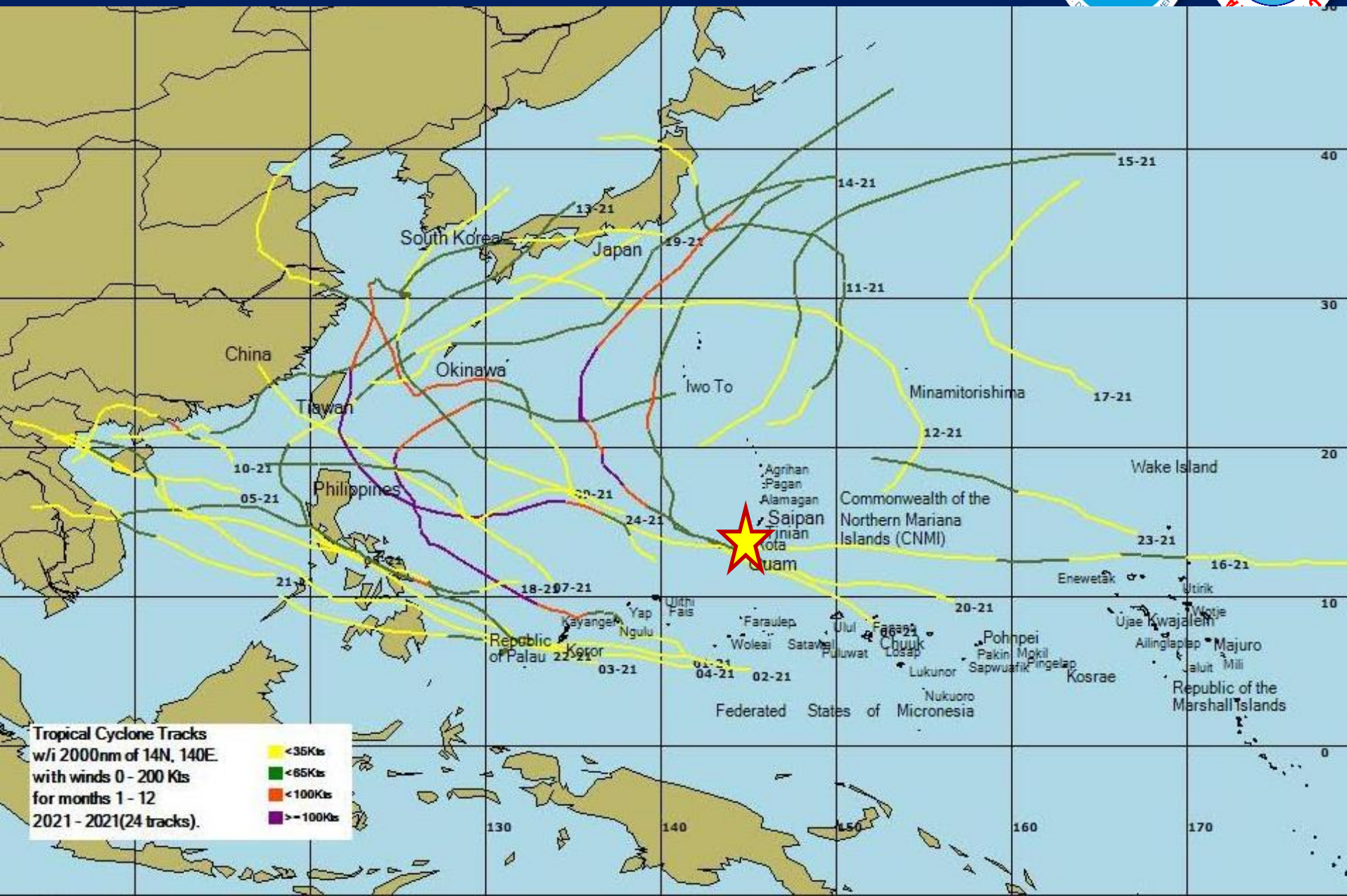
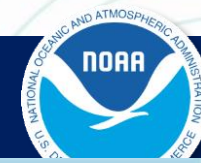
June 2021 TC Outlook for WFOG AOR



A near-normal TC Outlook was predicted for the remainder of 2021 for Guam, the CNMI, ROP, FSM and RMI

REGION	TROPICAL STORMS	TYPHOONS
Marshall Islands (north of 6N)	1 to 2	0 to 1
Marshall Islands (south of 6N)	0 to 1	0 to 1
Pohnpei State (north of 6N)	1 to 2	0 to 1
Chuuk State (north of 6N)	2 to 3	1 to 2 (1 major)
Kosrae, Pohnpei, Chuuk States (south of 6N)	1 to 2	0 to 1
Yap State and Palau	2 to 3	1 to 2 (1 major)
Guam, Rota, Tinian and Saipan	2 to 3	2 to 3 (1 to 2 major)
Northern CNMI	1 to 2	1 to 2 (1 to 2 major)

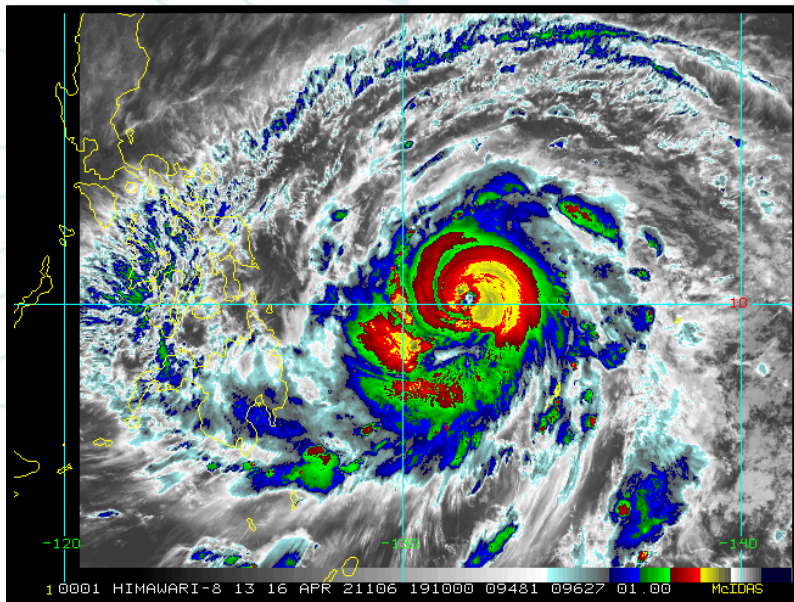
2021 Tropical Cyclones – So Far



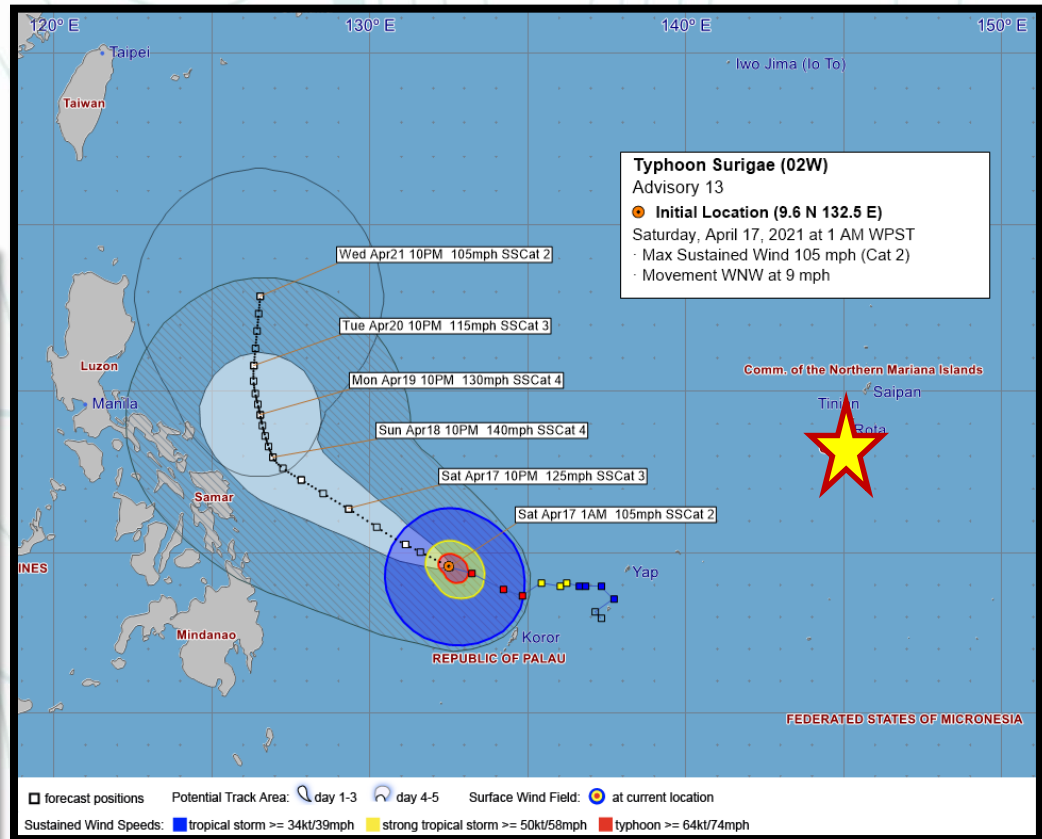
Western North Pacific 2021 TC Season



Super Typhoon Surigae April 2021 Republic of Palau; Yap State, FSM



Super Typhoon Surigae IR
2021-04-16 19:10



NOAA NWS Super Typhoon Surigae
Forecast Track and Uncertainty Graphic

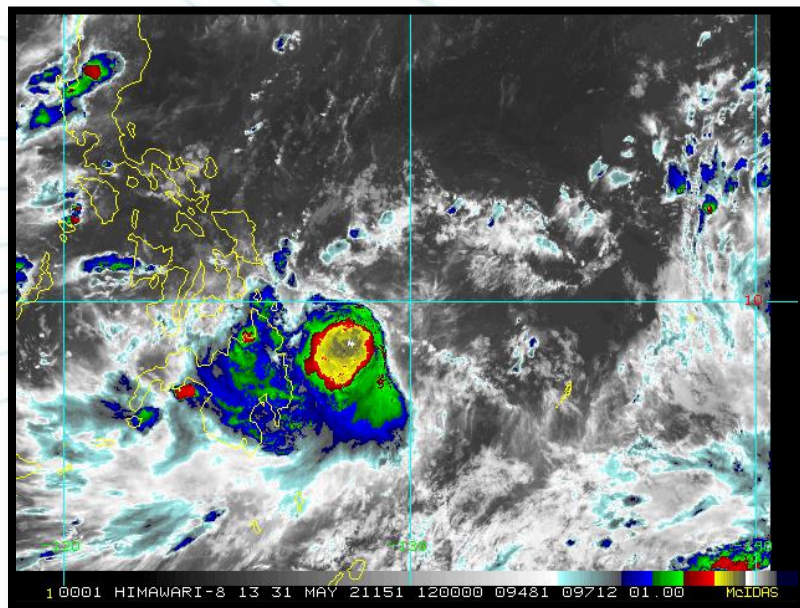
https://rammb-data.cira.colostate.edu/tc_realtime/

<https://www.weather.gov/gum/Cyclones>

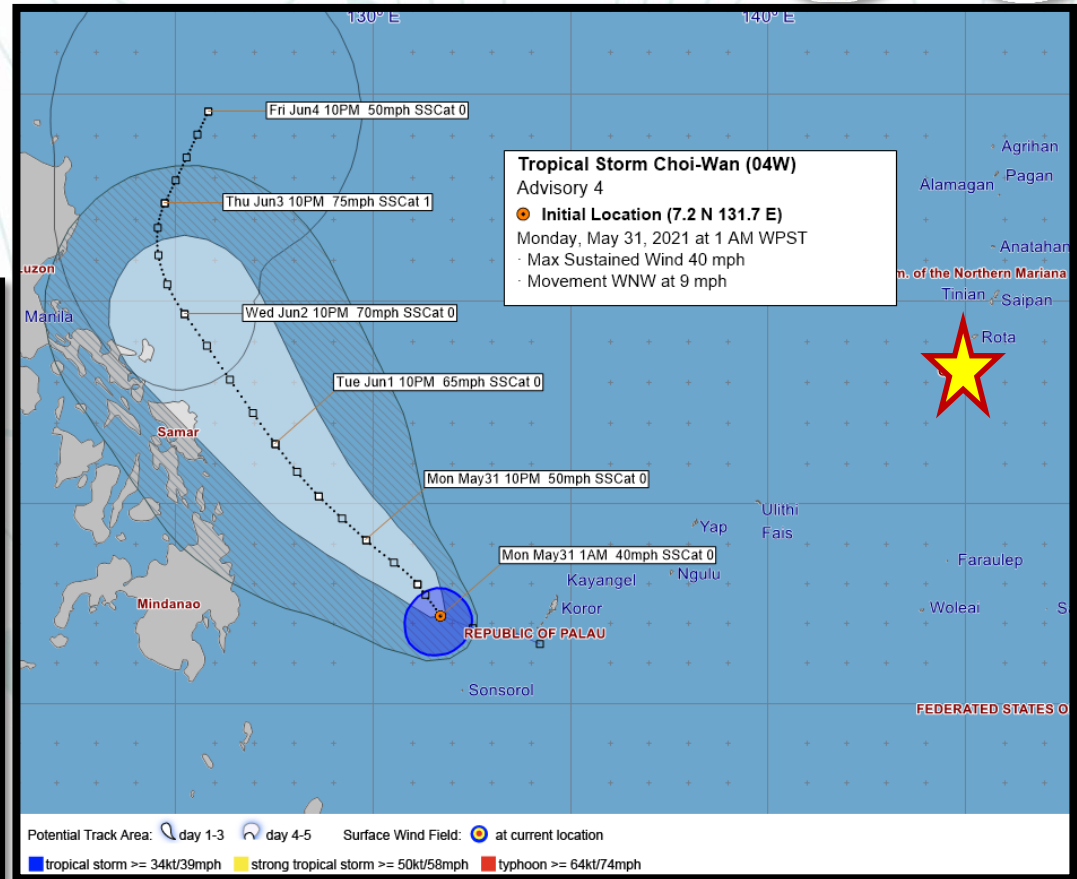
Western North Pacific 2021 TC Season



Tropical Storm Choi-Wan May-June 2021 Republic of Palau



Tropical Storm Choi-Wan IR
2021-05-31 21:15

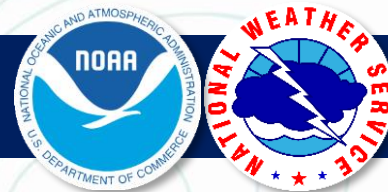


NOAA NWS Tropical Storm Choi-Wan
Forecast Track and Uncertainty Graphic

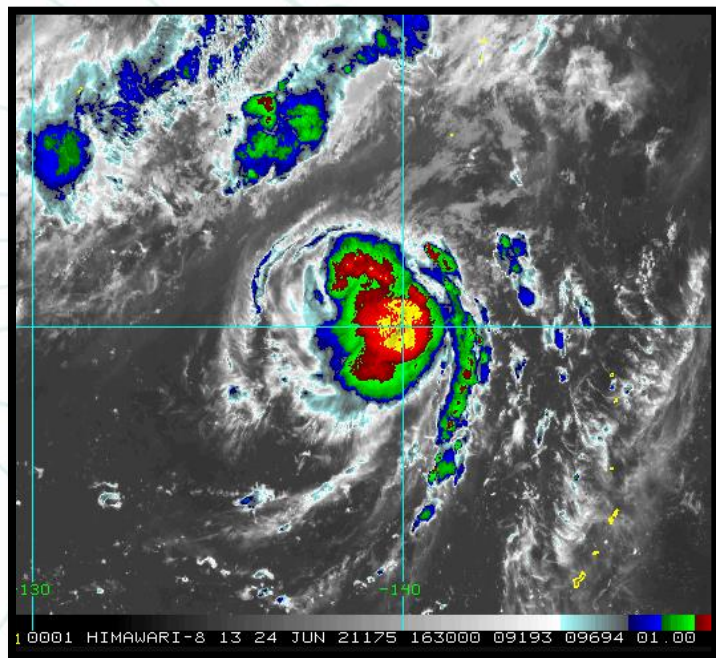
https://rammb-data.cira.colostate.edu/tc_realtime/

<https://www.weather.gov/gum/Cyclones>

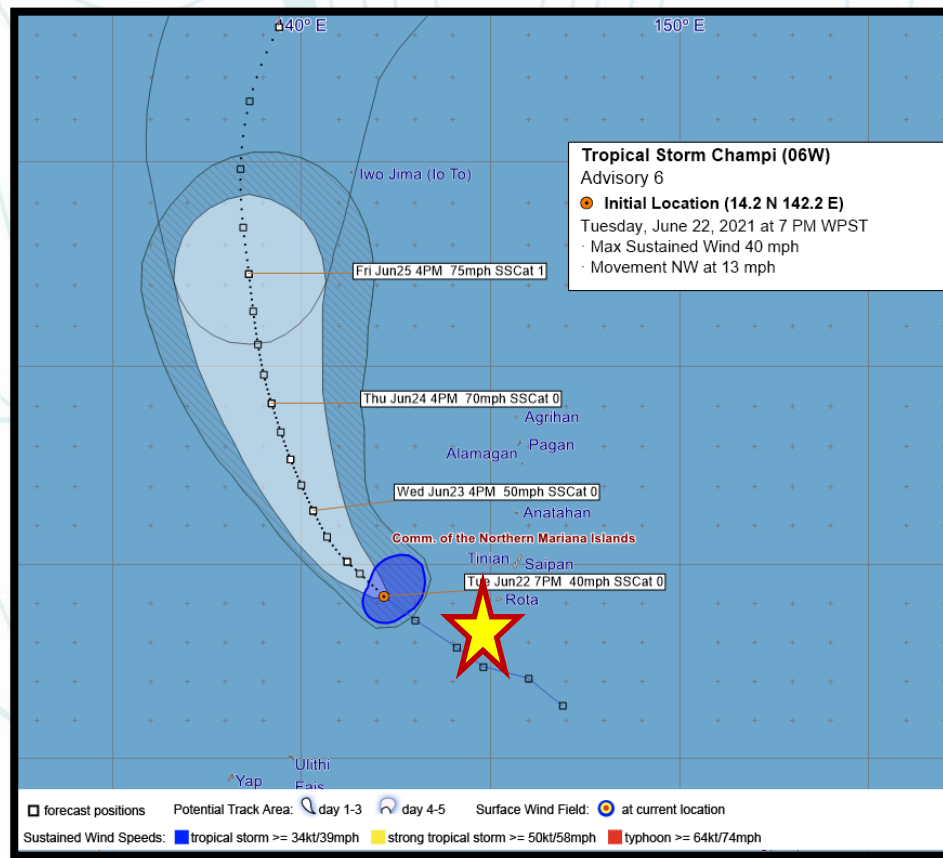
Western North Pacific 2021 TC Season



Typhoon Champi June 2021 Guam



Typhoon Champi IR
2021-06-24 21:17



NOAA NWS Typhoon Champi
Forecast Track and Uncertainty Graphic

https://rammb-data.cira.colostate.edu/tc_realtime/

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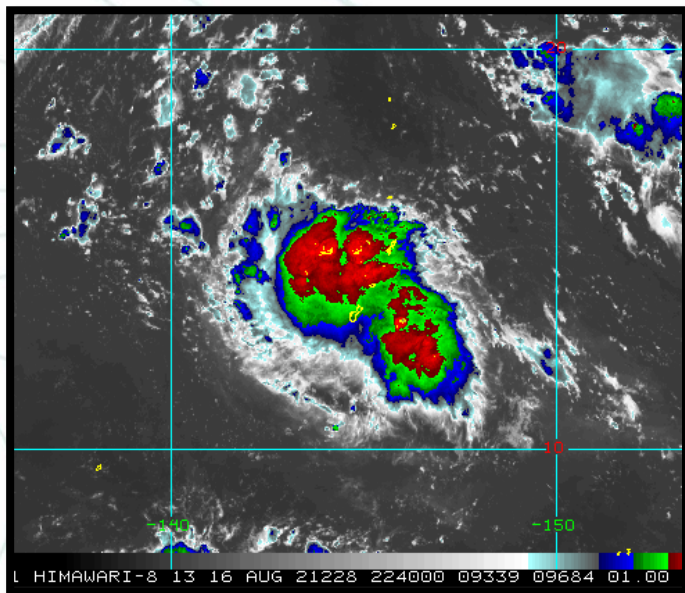
Western North Pacific 2021 TC Season



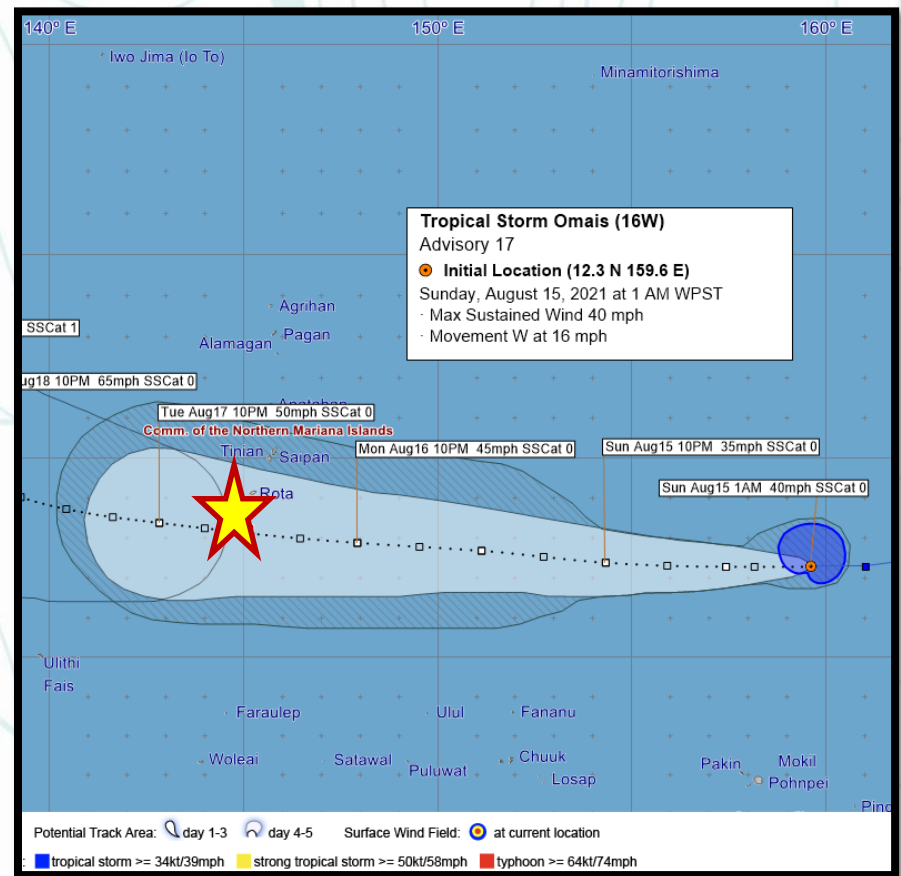
Tropical Storm Omais

August 2021

Guam; Commonwealth of the N.
Mariana Islands



Tropical Storm Omais IR
2021-08-16 22:40



NOAA NWS Tropical Storm Omais
Forecast Track and Uncertainty Graphic

https://rammb-data.cira.colostate.edu/tc_realtime/

<https://www.weather.gov/gum/Cyclones>

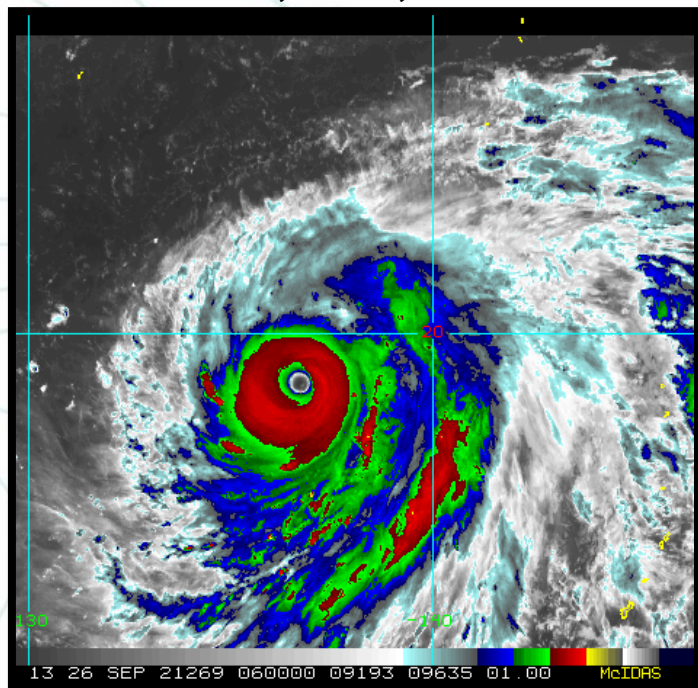
Western North Pacific 2021 TC Season



Super Typhoon Mindulle

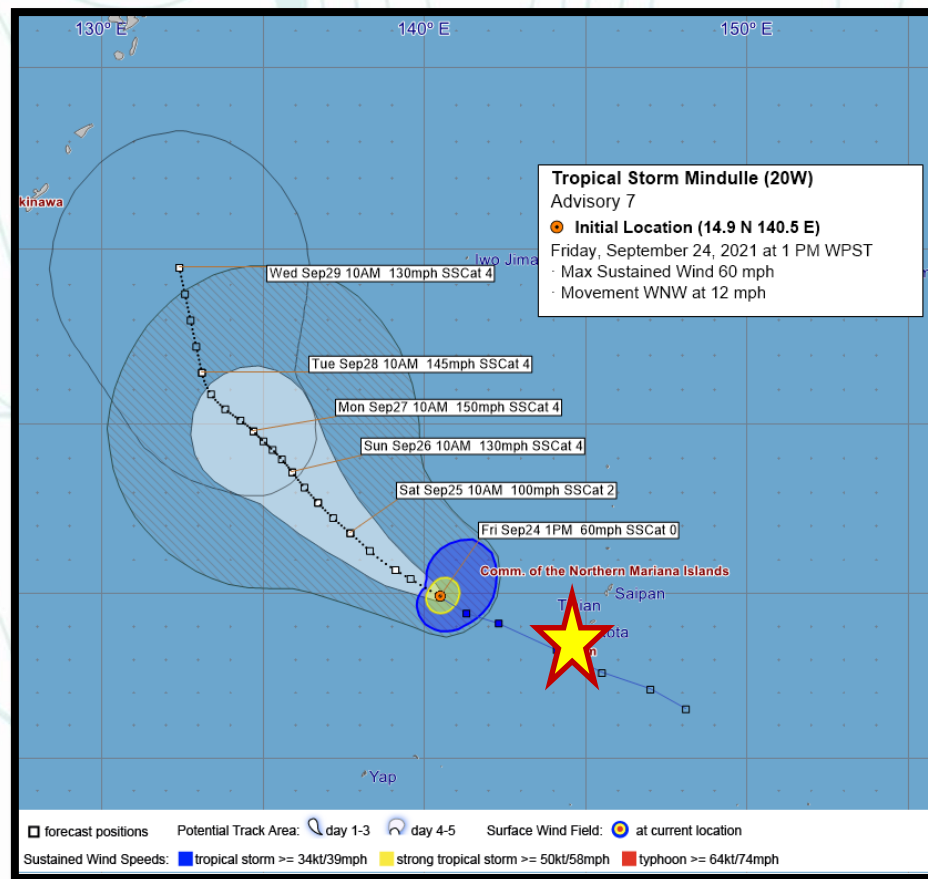
September 2021

Guam; Rota, CNMI



Super Typhoon Mindulle IR

2021-09-26 21:26



NOAA NWS Super Typhoon Mindulle Forecast Track and Uncertainty Graphic

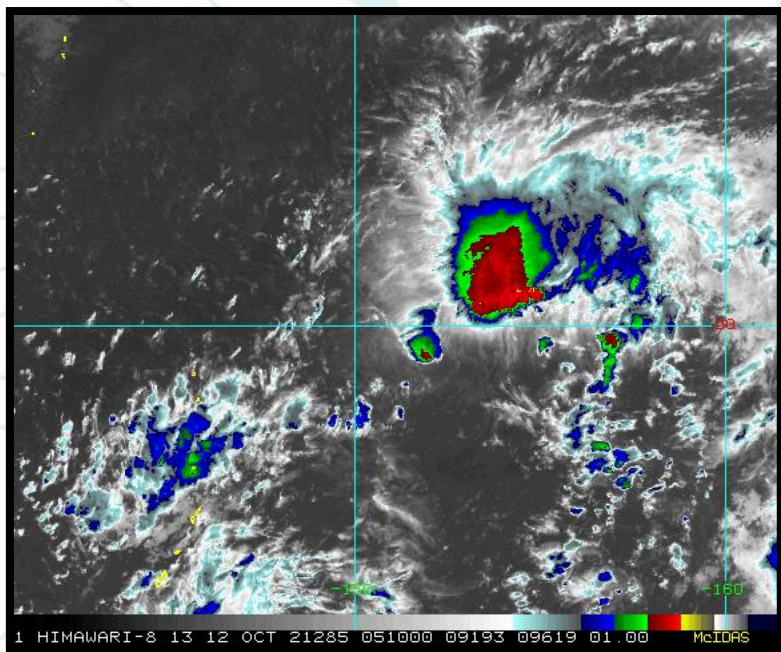
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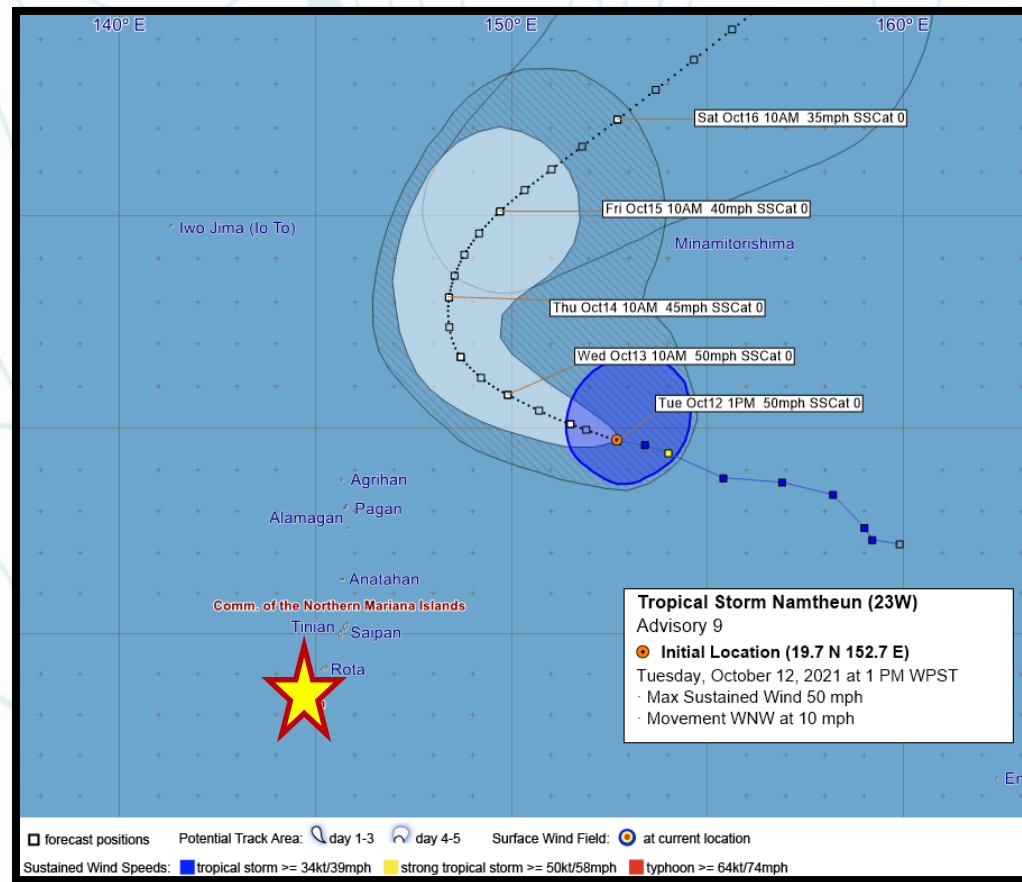
Western North Pacific 2021 TC Season



Tropical Storm Namtheun October 2021 Northeast of Guam and CNMI



Tropical Storm Namtheun IR
2021-10-12 21:28



NOAA NWS Tropical Storm Namtheun
Forecast Track and Uncertainty Graphic

https://rammb-data.cira.colostate.edu/tc_realtime/

<https://www.weather.gov/gum/Cyclones>

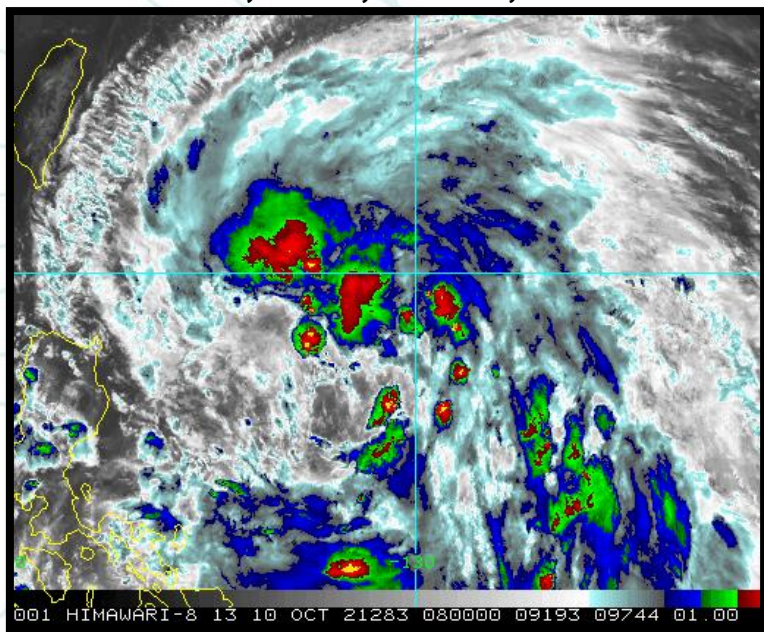
Western North Pacific 2021 TC Season



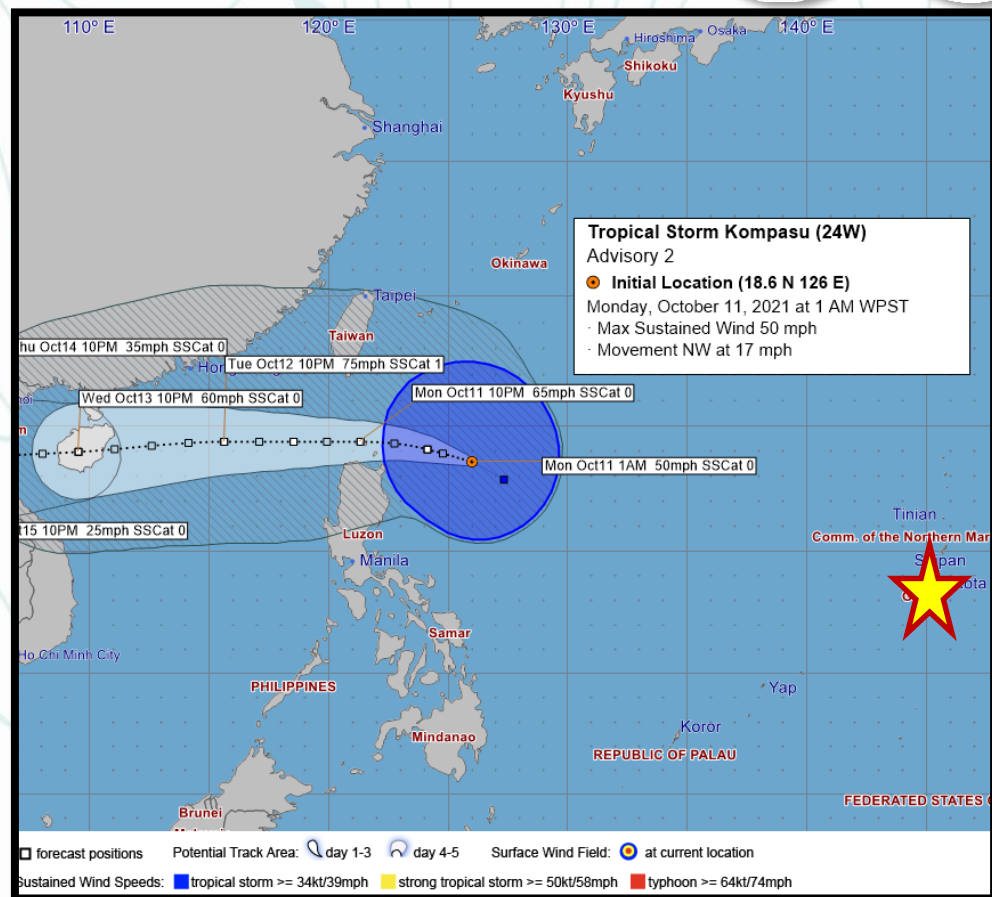
Tropical Storm Kompas

October 2021

MONSOON: Republic of Palau, Yap State, FSM; Guam; CNMI



Tropical Storm Kompas IR
2021-10-10 21:28



NOAA NWS Tropical Storm Kompas
Forecast Track and Uncertainty Graphic

Not Issued: Outside AOR

<https://www.weather.gov/gum/Cyclones>

https://rammb-data.cira.colostate.edu/tc_realtime/

2021 Tropical Cyclones – So Far



So far in 2021, there have been 24 tropical cyclones in the western North Pacific.

Tropical Depressions: 4
Tropical Storms: 13
Typhoons: 4
Super Typhoons: 3

