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TROPICAL WEATHER DISCUSSION  
NATIONAL WEATHER SERVICE TIYAN GU  
3 PM CHST TUE MAR 2 2021

Tropical Weather Discussion for western North Pacific between the Equator and 25N from 130E to 180. The following information is based on recent satellite imagery/data, weather observations, radar, and meteorological analysis.

...SIGNIFICANT FEATURES...

Typhoon Fake (02W) continues to move westward across the Philippine Sea, west of the Marianas, at about 10 mph. It is currently centered near 13N136E with maximum sustained winds of 90 mph. Seas near the center range between 30 and 40 feet with large swell of 10 to 15 feet spread outward toward the Mariana Islands and far western Micronesia.

Please see the latest NWS Guam Public Advisory for more details on Typhoon Fake at [weather.gov/gum/Cyclones](http://weather.gov/gum/Cyclones)

...OTHER WEATHER SYSTEMS...

NEAR-EQUATORIAL TROUGH...

The near-equatorial trough extends southeastward through 4N130E to near EQ150E, staying well south of Koror, Yap, and Chuuk. The trough, common for this time of year, has remained stationary the past several days with showers and thunderstorms periodically developing near the trough axis as far north as Koror. Moderate winds up to 15 mph are found near the trough.

TRADE-WIND TROUGHS...

Gentle to moderate trade winds are seen across the region from the Marianas eastward and across central and eastern Micronesia. Westward-moving trade-wind troughs are seen just east of the Marianas, north of Pohnpei, and moving through the western Marshall Islands with clusters of increased cloudiness and showers.

TRADE-WIND SURGE...

Latest Scatterometry data show moderate to fresh northeast trade winds between Yap and Chuuk. Moderate showers are found along the leading edge of this trade-wind surge, roughly between 8N139E and 6N152E.

ITCZ...

Showers and thunderstorms associated with the ITCZ are seen just east of the Marshall Islands. The ITCZ continues eastward into the central Pacific.

OTHER SYSTEMS...

Convergence of strong to near-gale easterly trade winds is combining with a mid- to upper-level trough to produce widespread cloudiness, showers, and thunderstorms well northwest of Wake Island. Winds of 20 to 30 mph with seas of 12 to 15 feet are seen in this region, mostly north of Wake Island and Minami Tori Shima.

...DISCUSSION...

Typhoon Fake continues to strengthen as it moves away from the Mariana Islands. Fake could reach a peak intensity of 160 mph, a super typhoon, on Wednesday before slowly weakening as it heads toward Luzon. Typhoon Fake will continue to generate large swells that will be felt across the Marianas and western Micronesia until late this week. Seas of 10 to 15 feet across the Marianas will fall to between 7 and 9 feet by Friday; however, across Yap and Palau, seas of 10 to 15 will persist through Friday before slowly subsiding over the weekend.

A broad trade-wind pattern will otherwise persist across the region for the week with the near-equatorial trough remaining well south of Koror and Yap with moderate to fresh east to northeast trades dominating the area from the Marianas to central and eastern Micronesia. Weak trade-wind troughs will bring isolated showers at times to central and east Micronesia Islands, while showers and thunderstorms with the near-equatorial trough largely stay south of Koror. Seas across central and eastern Micronesia will range from 6 to 8 feet through Wednesday, mainly from a diminishing north swell from a dissipated north-Pacific cold front from last week, then will fall to 4 to 6 feet, mainly from a trade-wind swell.

The ITCZ, currently spanning the central Pacific, is expected to extend westward late in the week and is expected to bring increasing showers and thunderstorms to eastern Micronesia from Pohnpei eastward between 4N and 7N by Saturday. Moderate easterly winds will become fresh with occasionally strong gusts with heavier showers.

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