

2000 UTC 22 September 2019 Forecast Discussion
Current Ship Location: Near 18.15°N, 126.11°E

Summary:

There is little convection left over from Tapah in the operation area. Clear weather is expected over the next 48 hours. Some scattered convection associated with a low pressure system will move into the area beyond 48h forecast period. Winds in the area of operation will shift to be out of the N over the 24-48h forecast period and will be 5-15 knots.

Significant wave heights over the area of operation will stay in the 3-5ft range over the 24-48h forecast period. The BSISO signal has mostly diminished and will remain weak-amplitude throughout the 0-4 day forecast.

Day One (24 hr) Outlook:

Clear and calm weather condition without convection will continue for the next 24 hrs. Significant wave heights is expected to be 3-4 ft around the current ship location.

Day Two (48 hr) Outlook:

Generally fair condition is expected. The surface low could be near the op area by the end of 48-hr forecast period. Some scattered shower associated with the surface low is possible beyond 36 hrs. Significant wave heights forecast to reach 4-6 ft in the operation area with SSTs maintaining current conditions

Extended Outlook:

Scattered or isolated convection is expected to last for this week due to the surface low system and widespread convection east to that low. No tropical cyclogenesis is expected in Western North Pacific in the near future. Significant wave heights will be 2-4 ft over the op area for 72-120 hr forecast period.

Discussion

TCs:

Tropical Storm Tapah is located at approximately 33.9N 129.3E with a heading of 045 degrees at 17 knots as of 1200 UTC. Tapah will continue its NE track, decreasing in intensity and change into extratropical cyclone. No genesis of a new tropical cyclone is expected in Western North Pacific in the near future.

Convection:

Continuous clear weather is expected for the next 48 hr. Scattered convection associated with the surface low approaching from the east is possible beyond 48 hr forecast window. The convective activity associated with this surface low has been fluctuating for the last couple of

days and its moving speed has also varied as we have monitored the satellite imageries, making the timing and intensity of convective activity forecast difficult. However, forecast products currently show no intensification of this system beyond an MCS.

MJO/BSISO:

BSISO remains at a weak amplitude and is transitioning from Phase 8 to Phase 2 during the 0-4 day forecast. MJO made a transition to Phase 1, and its magnitude is forecast to increase for the next 5 days according to ECMWF model.

SSTs:

SSTs remain cooler than normal around the ship location and is forecast to warm across the op area in the next 24 hrs. SSTs will continue to fluctuate between 28-30°C within the 24-48hr forecast window.

Currents and Wave Heights:

Surface currents are forecast to be variable between 1-2 kts through 36 hours. Significant wave heights forecast to remain below 5 ft over the op area for the next 24 h. 5-7 ft over the northeast portion of the op area is shown on the 36-48 hr map seemingly waves propagated from Tapah.

CAMP2Ex:

No updates from CAMP2Ex for today's brief.

FORECASTERS: COLE, JONES and NAM



JOINT TYPHOON WARNING CENTER

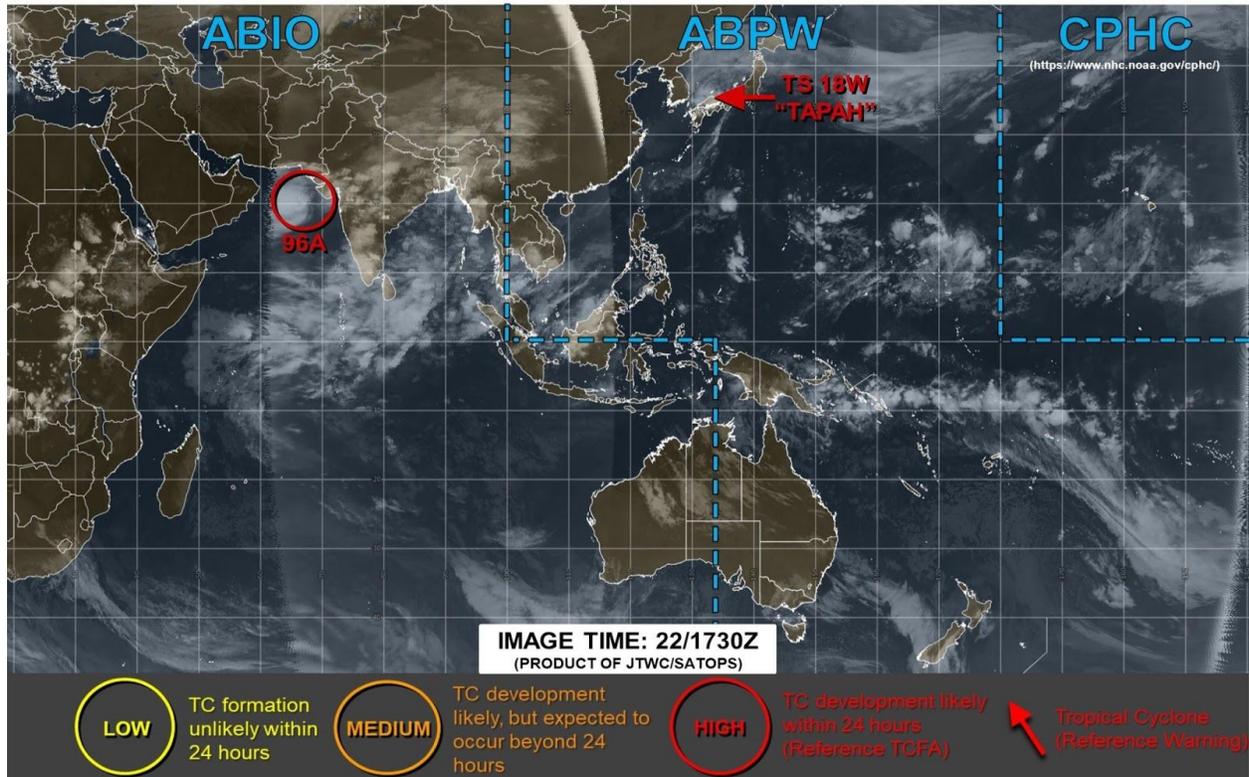


Fig. 1. JTWC TC outlook valid at 1730Z Sep 22.

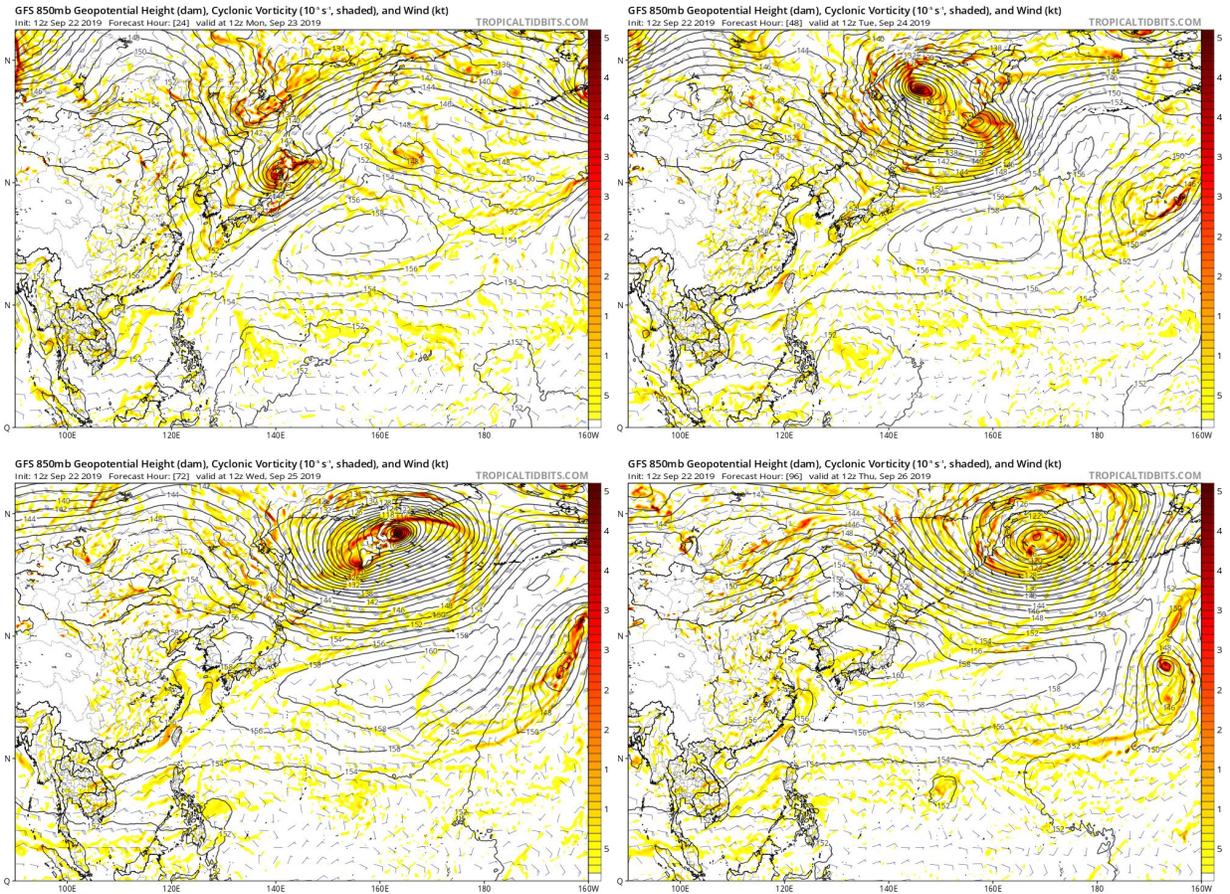


Fig. 2. GFS 850 mb vorticity and wind field and mean sea-level pressure initialized on 22Sep12Z. From top to bottom, left to right, the figures valid for 12Z Sep 23, 24,25, and 26.

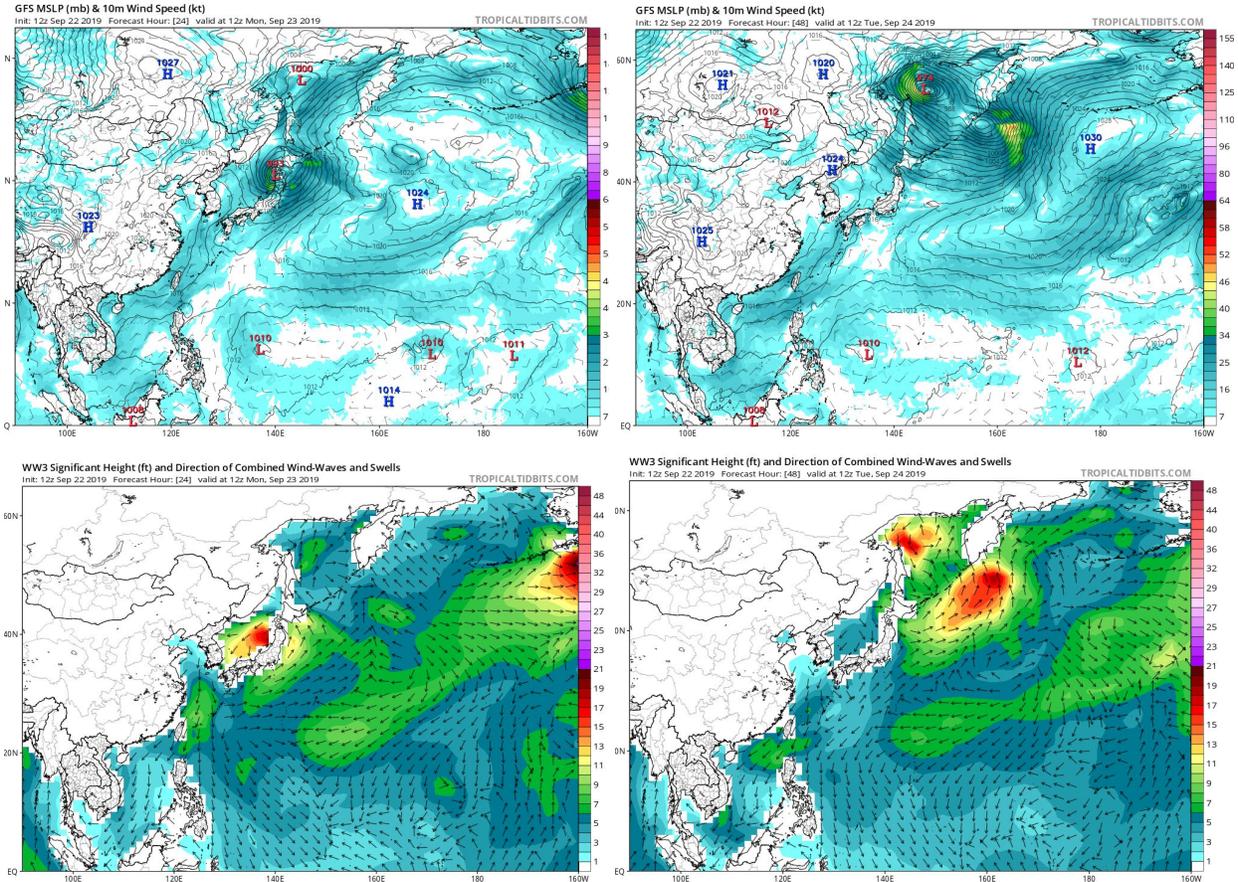


Fig. 3. GFS mean sea level pressure and 10-m winds (top row), and WW3 significant wave heights (bottom row) initialized on 22Sep12Z, valid for 23Sep12Z (left column) and 24Sep12Z (right column).