

Summary:

There is an intensifying cold low in the NW of the the ship region. In the last 24 hrs, some convection initiated and grew on the right side of this cold low (~18 N, North of the ship). The ship is currently in a relatively dry region from WV satellite images. Significant wave heights continue to decline over the next 2-4 days. Wave heights are expected to decline to 2-4 ft by the end of that time frame. The surface wind is expected to below 10 kts in 48 hrs.

There is a chance of vorticity faraway SE of the ship, but it should not affect the area of operation.

No update to BSISO/MJO forecasts.

Day One (24 hr) Outlook:

There is light scattered convection around the ship location. Winds are decreasing to to 5-10 knots, and the wind direction is changing from NW to NE for the next 24-h. Wave products forecast significant wave heights are in 5-7 ft with direction changing from NW to NE for the next 24-hr.

Day Two (48 hr) Outlook:

Winds over the area of operation are expected to decrease to 5-10 knots and the wind direction will go between NE and E, changing as the easterly wave approaches. Significant wave heights are decreasing to 4-5 ft from NW for the next 48-hr.

Extended Outlook:

The wind is calm at 5-10 kts and direction changes toward Easterly as the easterly wave approaches. The significant wave height will be decreasing from 5-7 ft to 4-5 ft and the direction will be shifting toward Easterly.

Discussion

Convection: Scattered precipitation is possible within the next 24 hrs due to MCS near to ship location. Forecast products suggest drying within the region over the next 2-3 days. No significant weather activity is expected.

MJO/BSISO: No update to BSISO/MJO forecasts, and yesterday's forecast of a possible northeastward propagation of BSISO and no significant amplified MJO signal remains valid.

SSTs: Sea surface temperatures are expected to remain in the range of 28-30C throughout the 24-hr forecast period. Forecast products indicate slightly warmer seas.

Currents and Wave Heights: Wave heights continue to decline from 5-7 ft to less than 5 ft over the next 3 days, consistent with previous forecasts.

FORECASTERS: FENG, JONES AND PANASAWATWONG

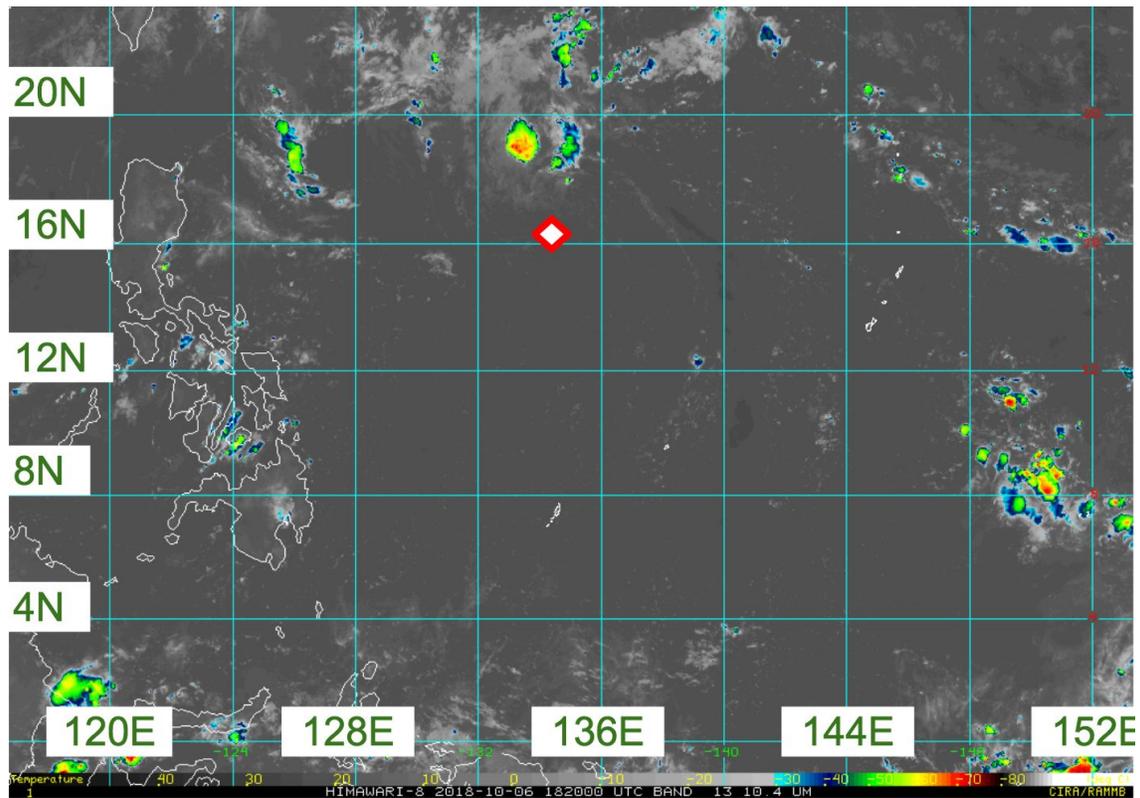


Fig. 1. Himawari IR imagery (10.4 microns) valid at 1820 UTC 06 October 2018. Ship location is marked with a diamond. [1]

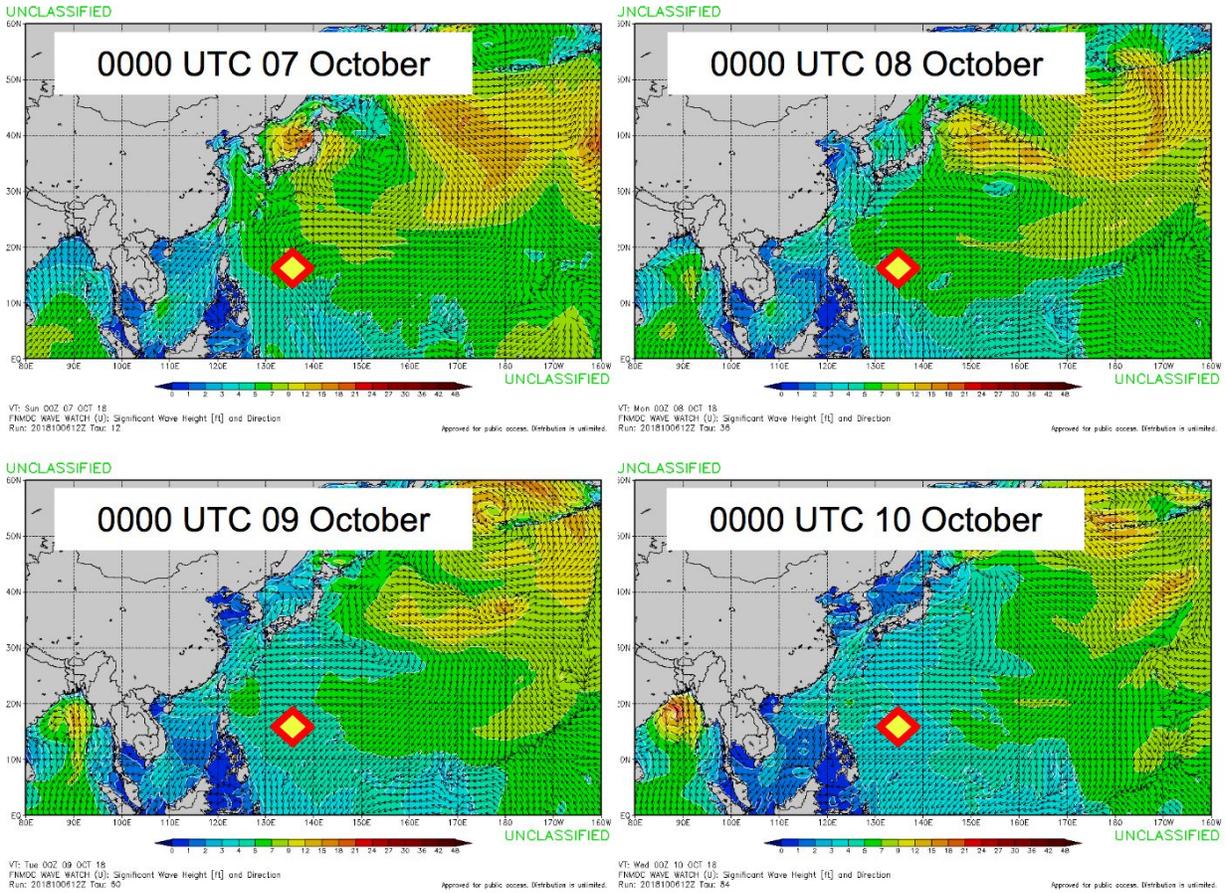


Fig. 2. FNMOC WW3 significant wave height forecast initiated at 1200 UTC 06 October and valid at (top left) 00 UTC 07 October (top right), 00 UTC 08 October (bottom left), 00 UTC 09 October, and (bottom right) 00 UTC 10 October. [2]

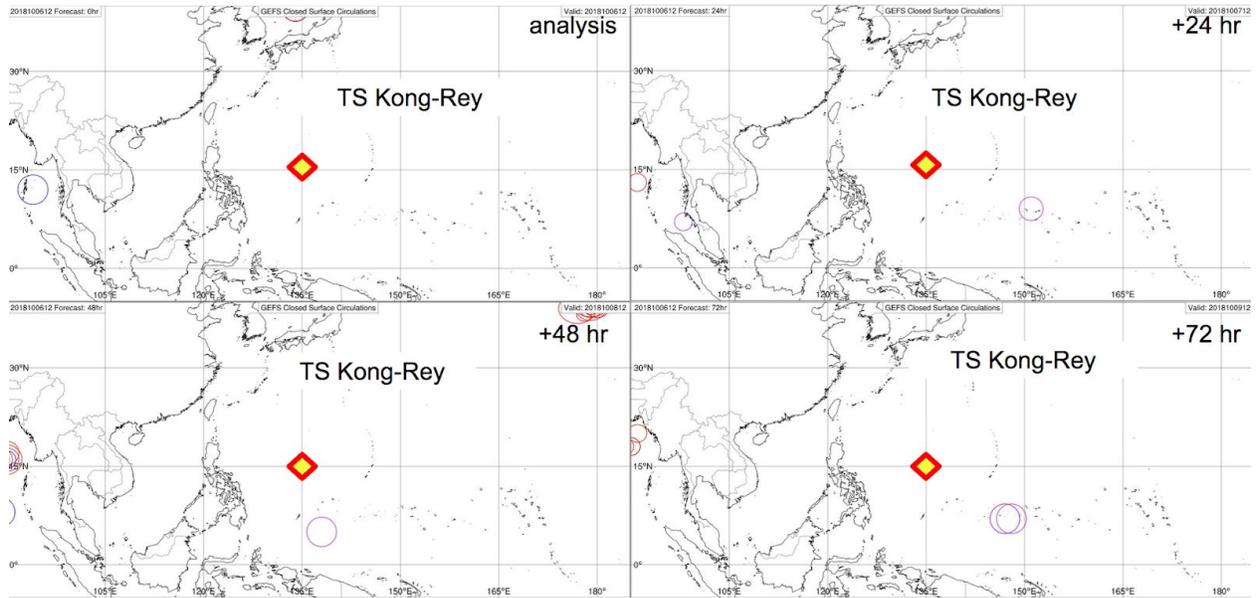


Fig. 3. GEFS ensemble 10-m circulation forecast initiated at 1200 UTC 06 October 2018 and valid from the analysis time through to 1200 UTC 09 October. Circulation centers are colored with respect to maximum wind speed. Purple: ≤ 20 knots, Blue: 20-34 knots, Red: > 34 knots. [3]