

## 2000 UTC 10 October 2018 Forecast Discussion

### **Summary:**

The ship is currently in a subsidence area with dry region at mid-high levels. There are some convection to the East of the ship, but it propagates very slowly to the west. Some scattered shallow convection might be expected in the next couple days. Wave heights are increasing from 3-4 to 4-5 ft in the next 48 hrs. The wave direction remains E. The surface wind is expected to increase to 10-15 kts in the next 24 hrs and remain E. No significant weather systems expected. Overall, fair conditions expected over the next few days.

The BSISO I is active in phase 2 over the Indian Ocean. The MJO signal remains suppressed in the area of operation.

### **Day One (24 hr) Outlook:**

The weather is relatively clear. Winds is increasing to 10-15 knots Easterly. Wave products forecast significant wave heights remain 3-4 ft Easterly.

### **Day Two (48 hr) Outlook:**

Winds over the area of operation remains at 10-15 knots Easterly. Significant wave height will increase to 4-5 ft, while the direction remains E.

### **Extended Outlook:**

The wind should remains at 10-15 kts Easterly. Significant wave heights might will remain 4-5 ft Easterly.

## **Discussion**

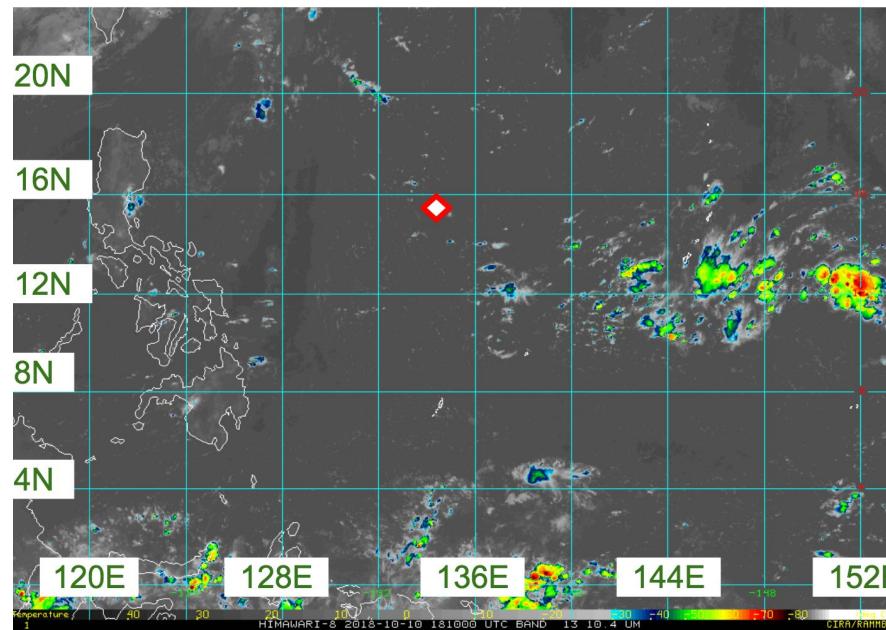
**Convection:** While the region remains relatively dry, scattered convection is expected over the next 12-36 hrs associated with the easterly wave southeast of ship location. While there is intensification of convection embedded within easterly wave, it is unlikely to impact the area of operation in the short-term as the easterly wave remains relatively stationary and slowly propagates westward.

**MJO/BSISO:** Updates to the BOM and ECM forecast products show no change in forecasts. The BSISO I remains active in phase 2 (in the Indian Ocean). The updated MJO signal is active in phase 1 (West hemisphere and Africa), but remains suppressed in the area of operation.

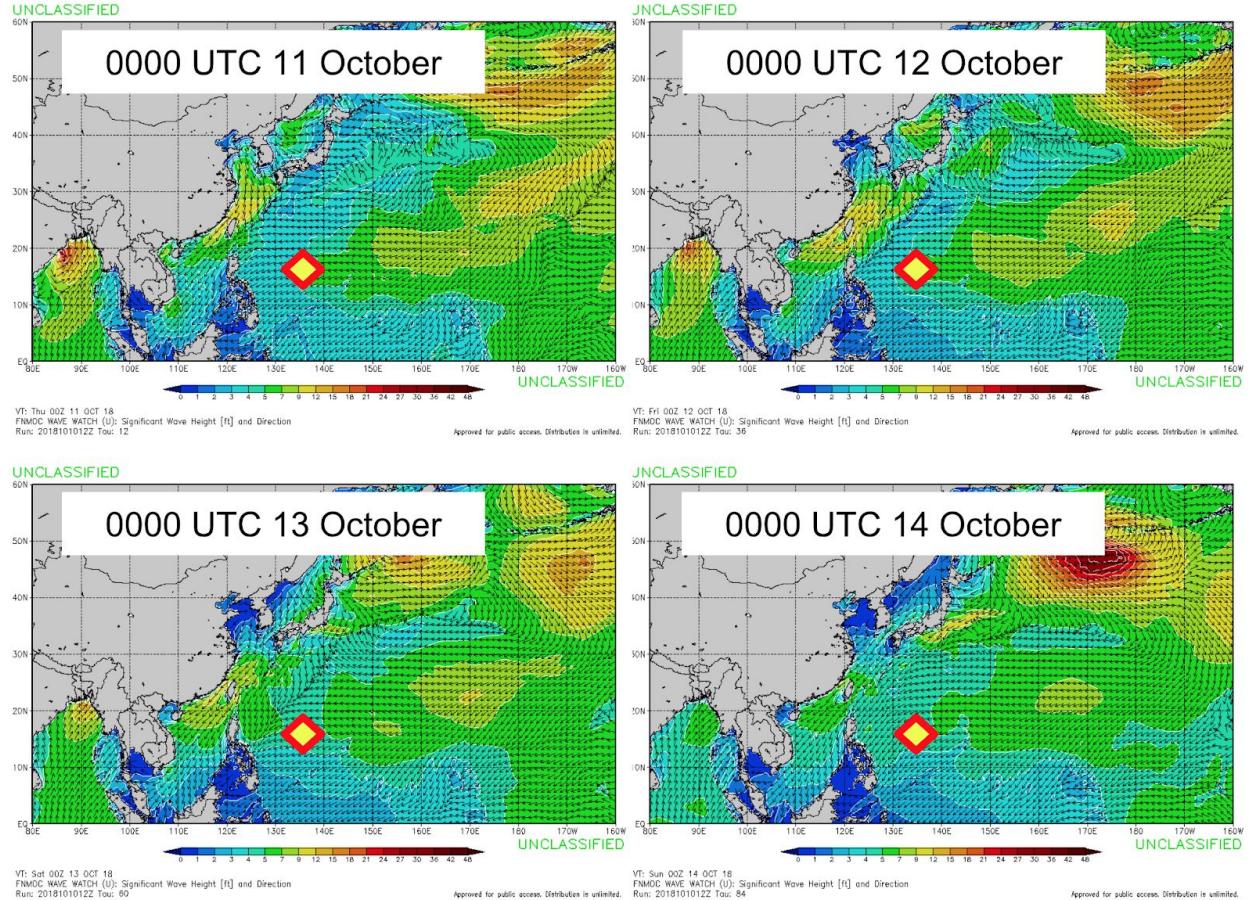
**SSTs:** Sea surface temperatures within the region are expected to remain within the range of 28-29 C throughout the 24-hr forecast period, with some warming suspected within the next two-three days.

**Currents and Wave Heights:** Wave heights are increasing from 3-4 to 4-5 ft in the next 48 hrs. The wave direction remains E. The surface wind is expected to increase to 10-15 kts in the next 24 hrs and remain E.

FORECASTERS: FENG, JONES AND PANASAWATWONG



**Fig. 1.** Himawari IR imagery (10.4 microns) valid at 1810 UTC 10 October 2018. Ship location is marked with a diamond. [1]



**Fig. 2.** FNMOC WW3 significant wave height forecast initiated at 1200 UTC 10 October and valid at (top left) 00 UTC 11 October (top right), 00 UTC 12 October (bottom left), ,00 UTC 13 October, and (bottom right) 00 UTC 14 October. [2]

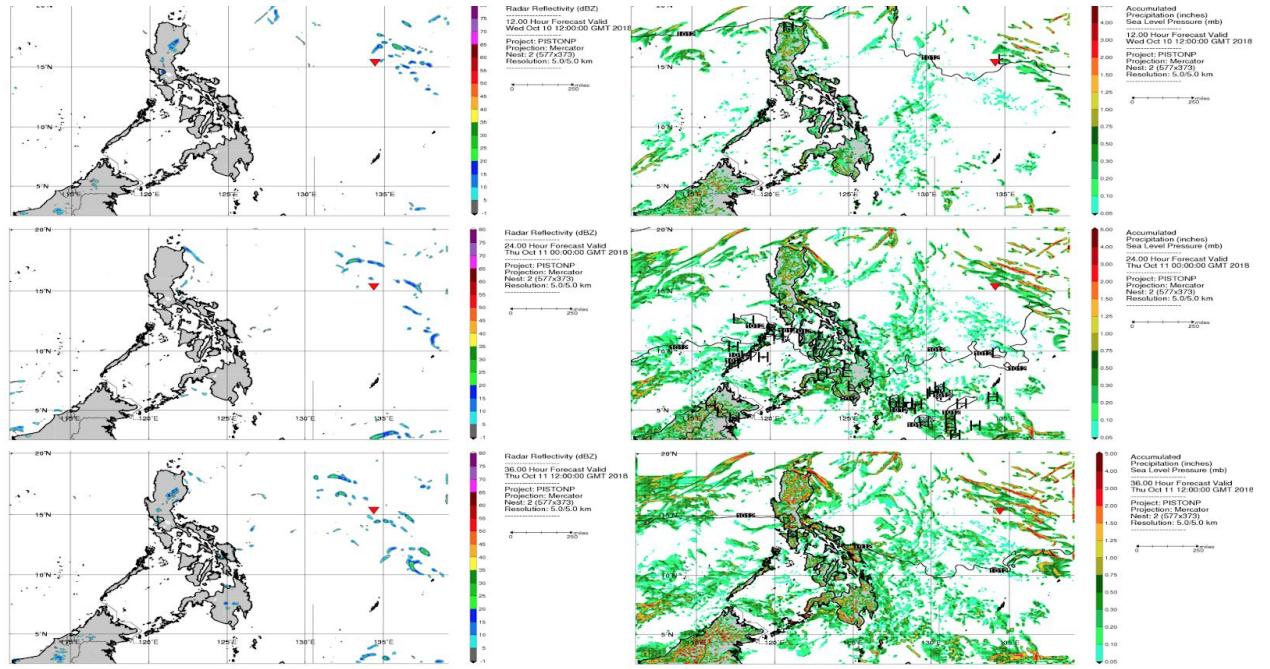


Fig 3. COAMPS reflectivity (left panels) and accumulated rainfall (right panels) forecast at 24, 36, 48 hrs initiated at 0000 UTC 10 October.