

2000 UTC 23 August 2017 Forecast Discussion

Summary

Typhoon Hato (Isang) made landfall over Southern China, and the cruise area is out of the reach of Hato's direct influence. The large wind field associated with Hato bringing southwesterly winds will continue to result in some pockets of convection over the waters around Luzon. Potential TC development east of Luzon is forecast on Friday.

Day One (24 hr) Outlook: Expect decreasing winds and significant wave heights and precipitation as Hato goes farther from the cruise area and weakens.

Day Two (48 hr) Outlook: There is a potential TC development east of Luzon. Relatively light convection and scattered precipitation is expected over the cruise area.

Extended Outlook: The potential TC genesis east of Luzon can affect our area of interest with gusts, heavy precipitation, and high significant wave heights. There is no further cyclogenesis forecast from GFS and ECMWF around the forecast area in next five days.

Discussion

TCs: TS Hato (Isang) has made landfall over Southern China. Impacts from the large wind field of the storm will continue to affect our area of forecast within the next 48 hours. Both GFS and ECMWF updated at 12 UTC today are forecasting the next potential TC threat from cyclogenesis east of Luzon. The new TC is forecast to reach the Northwest edge of Luzon at 18 UTC on Friday according to GFS.

Convection: Currently, we have pockets of convection over the waters around Luzon associated with South-westerly winds (Fig. 1). COAMPS is showing isolated and relatively light convection over the next 36 hours (Fig. 2). Another area of interest is a large area of convection east of Luzon (see yellow circle in Fig. 1). Both GFS and ECMWF are forecasting tropical cyclone genesis associated with this area of convection.

MJO/BSISO: Both the BSISO and MJO signals remain weak. CPC is forecasting that an eastward moving signal from the Indian Ocean through West Pacific over the next two weeks. Dynamic model guidance in the amplitude ranges from a nearly negligible signal to a modest MJO event.

SSTs: SSTs over the larger area of interest generally remain warm above 30 degrees Celsius in the range of 29 to 30.5 degrees.

Currents and Wave Heights: Surface currents remain weak (~0.5 m/s) along west coast of Luzon. Significant wave heights are at 9 ft, and are forecast to decrease to about 5 ft over the next 48 hours (Fig. 3).

FORECASTERS: RAZIN, NAM

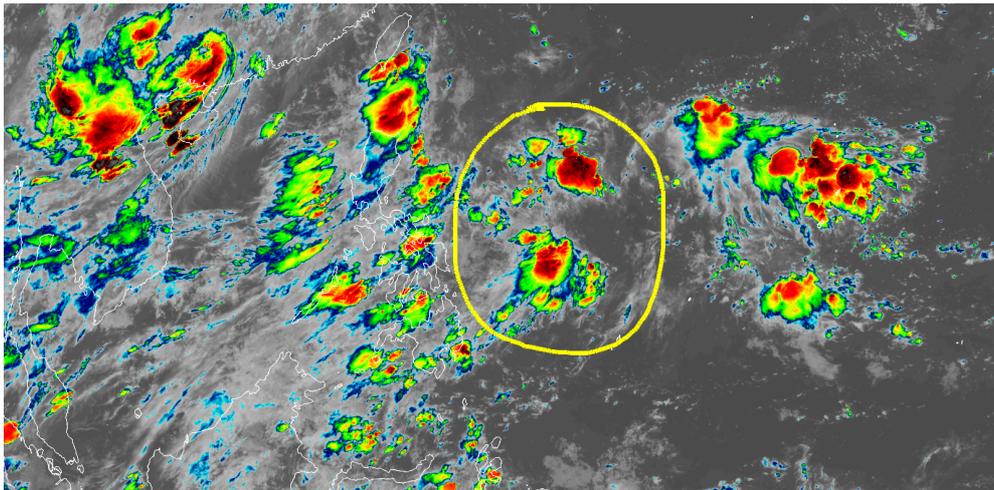


Fig. 1. IR imagery at 1740 UTC 23 Aug 2017 from Himawari-8 showing TS Hato north of Luzon [1]

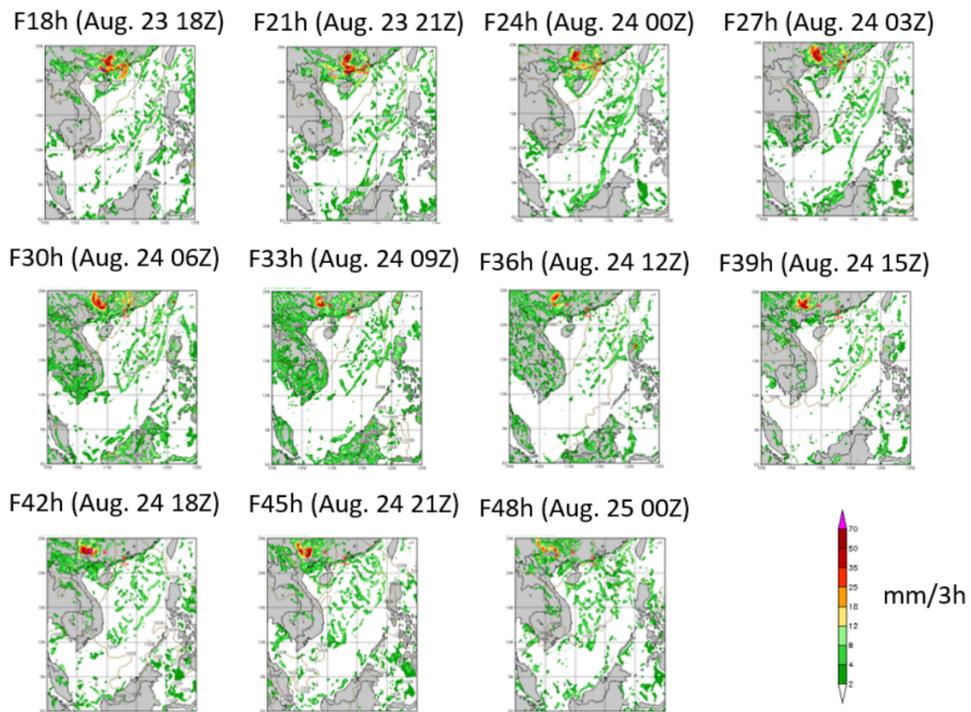


Fig. 2. Precipitation forecast from COAMPS

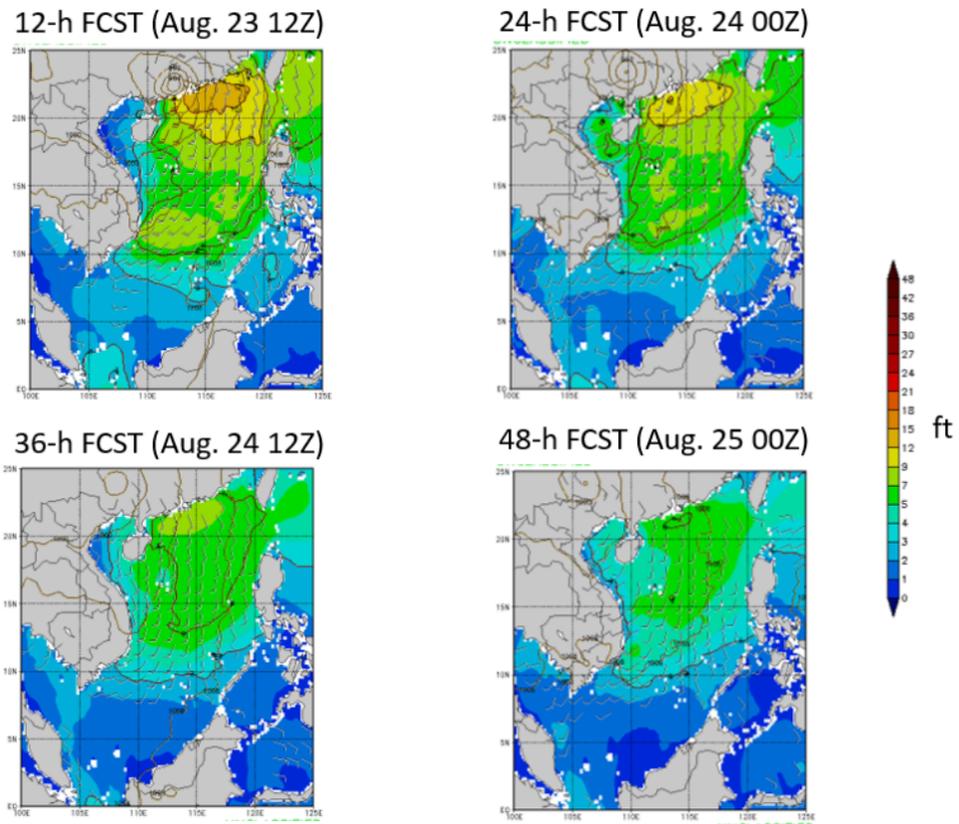


Fig. 3. Significant Wave Height and 10-m Wind from COAMPS