# The gridded sea surface wind data product of the Chinese HY-2A satellite and its application in analysis of extreme sea state

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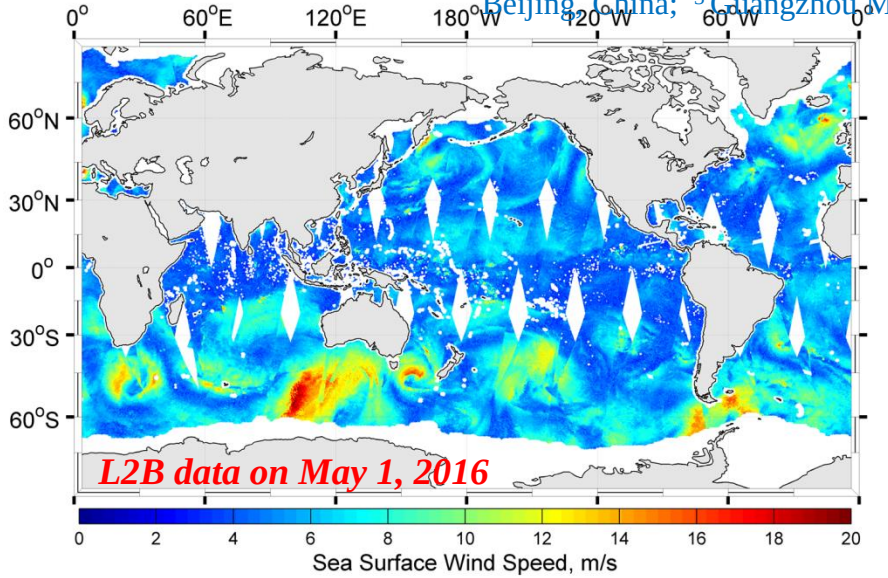
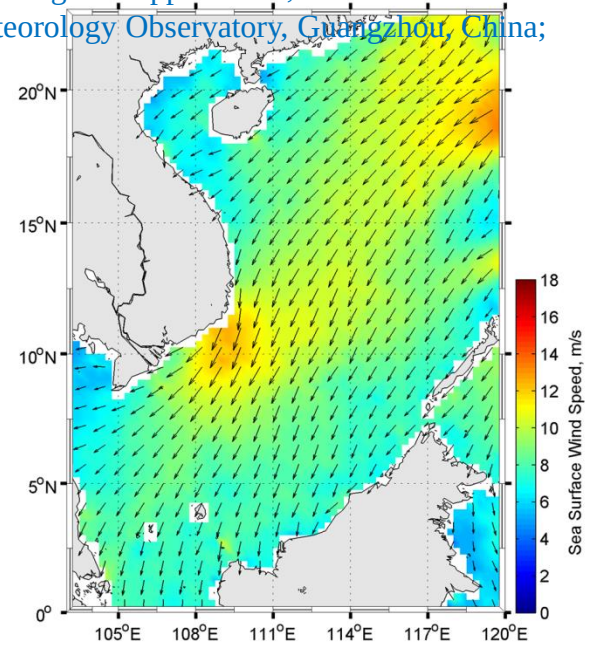
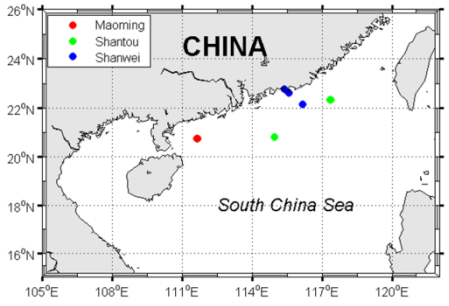
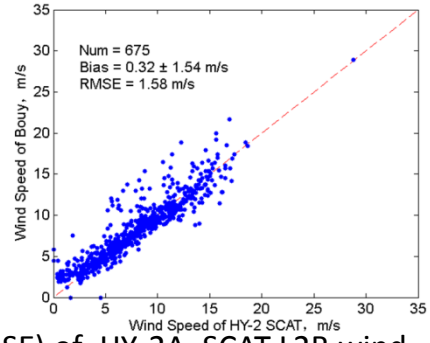



The level-2B of Chinese HY-2A scatterometer sea surface winds data can cover 90% of the global ocean with a resolution of 25 km every day.

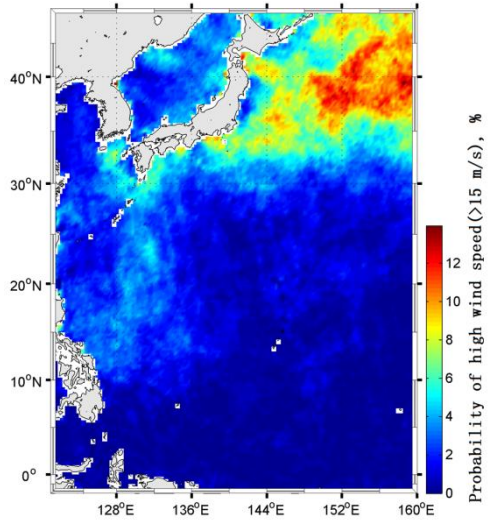



Daily, weekly, monthly, quarterly and yearly gridded sea surface wind data of HY-2A SCAT are produced with a resolution of 0.25-degree.




The root mean square error (RMSE) of HY-2A SCAT L2B wind speed data is 1.45 m/s validated against buoy measurements in the South China Sea (the whole year of 2014).




We can analyzed the distribution of the high sea surface wind speed by using HY-2A SCAT gridded products.