

Evaluation and Validation of Simulated CYGNSS Winds over Large Range of Tropical Cyclones and Preliminary Analysis of TechDemoSat-1 GNSS Reflectometry Wind Product

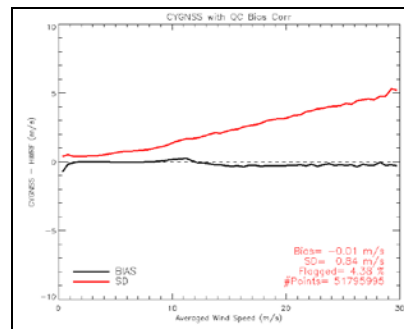
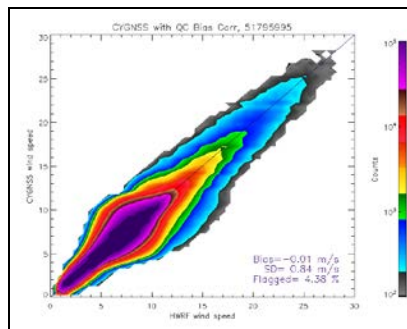
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NOAA / NESDIS / STAR

CYGNSS Cal/Val

- Simulation from HWRF 2010-2011 AL EP Hurricane Seasons (43 storm)
- Wind Speed Validation with model, satellite and aircraft data
- Quality Control

CYGNSS Wind Speed Performance



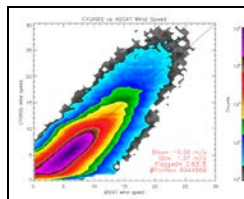
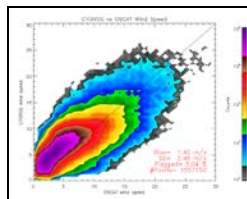
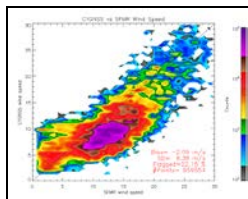
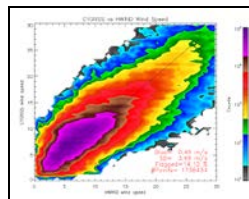
Storm Over pass Statistics

HWIND

SFMR

OSCAT

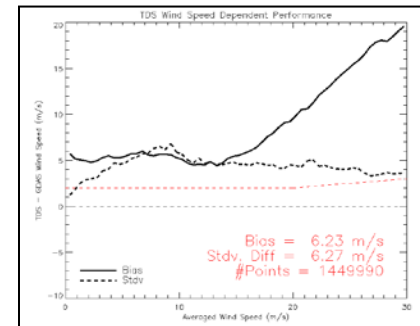
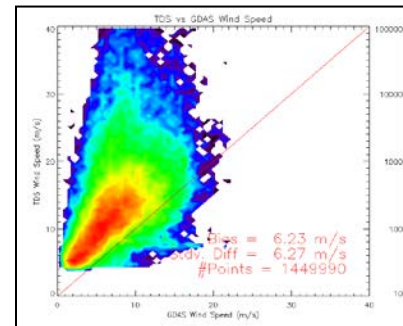
ASCAT



TechDemoSat-1 SGR ReSI First Look

- L2 Wind Speed Bias
- L1B Wind and Wave Dependence

TDS Wind Speed Bias



Wind and Wave Dependence

