

Report from CMA

NATIONAL SATELLITE METEOROLOGICAL CENTER

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Main activities since GHR SST XX

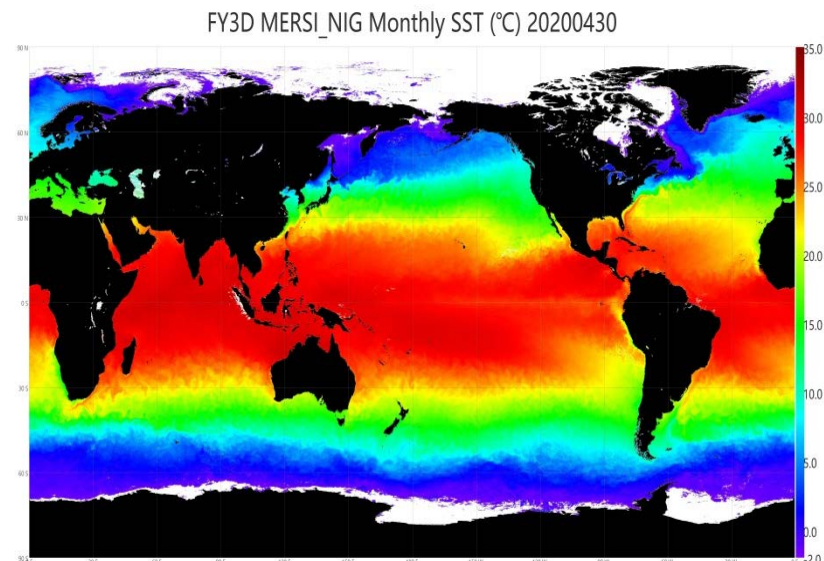
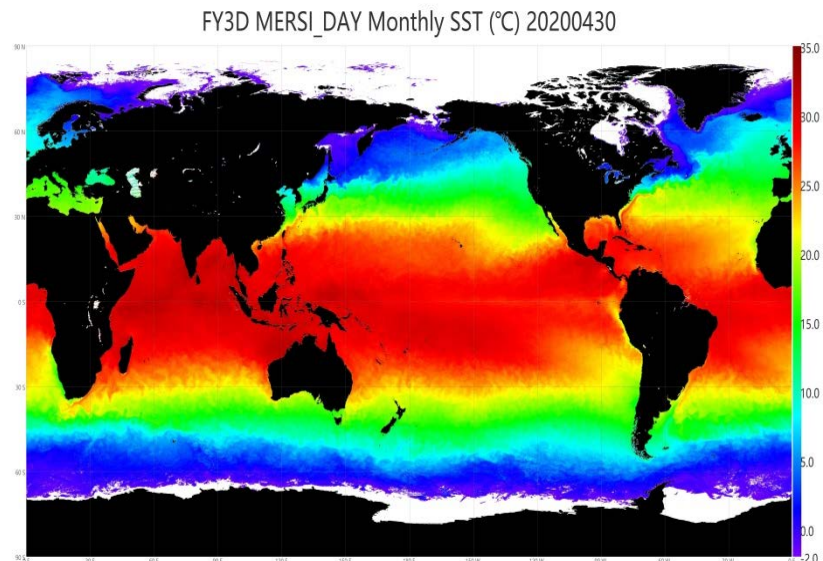
– Operational

☐ in situ data update

- The in situ data used for FY SST matchup routine was updated from iQUAM V2.0 to V2.1

☐ FY3D MERSI SST

- NLSST algorithm for daytime, Triple window MCSST algorithm for nighttime
- Coefficients are obtained via regression against QC'ed in-situ data from iQUAM V2.1
- First guess SST is OISST_DailyClim_1982-2011.nc
- SST(subskin, in HDF5 format) was released on 7th January 2020



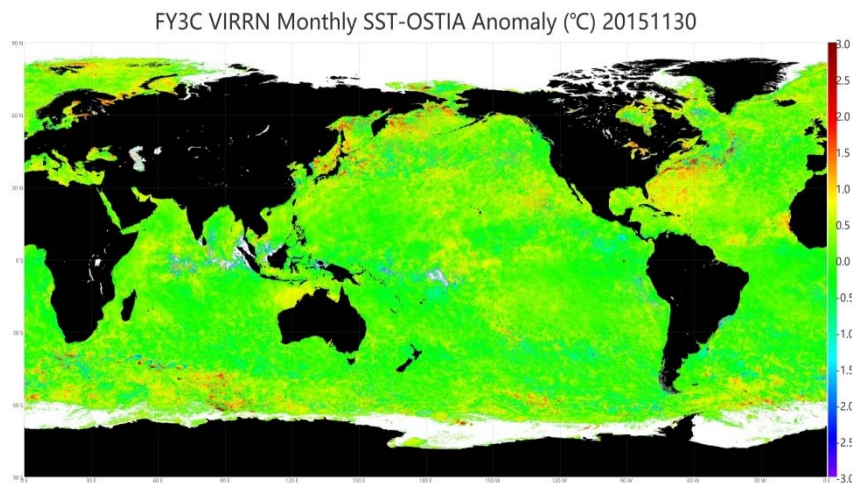
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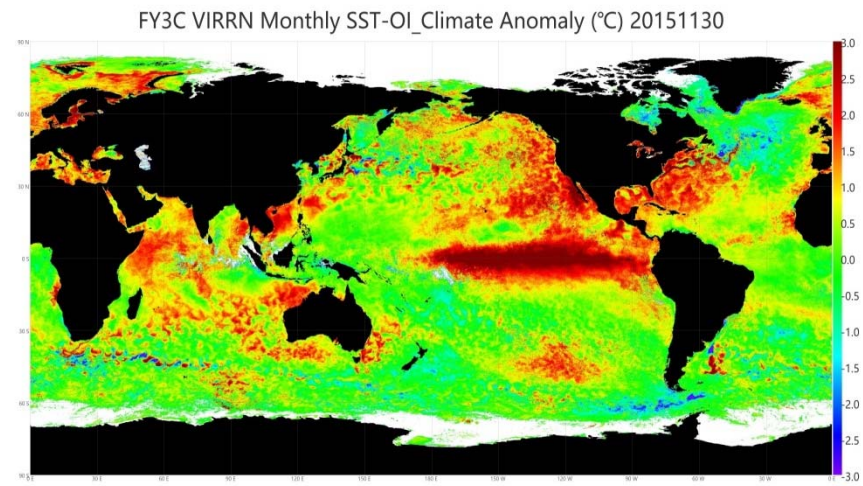
- **Reprocessing** : supported by the National Key R&D Program of China (2018YFB0504905)

□ FY3/VIRR Reprocessing Version 1(“VIRR RV1”)

- VIRR RV1 is undergoing, current RV1 include FY3C(JAN'2014-DEC'2019), FY3B will be added. RV1 is based on operational L1 data with monthly coefficients. NLSST(first guess: OSTIA v02.0) retrieval against CMC is compared.



FY3C monthly SST minus monthly OSTIA



FY3C monthly SST minus OISST_MonthClim_1982-2011

- **Experimental**: supported by the National Key R&D Program of China (2018YFC1506601)

□ FY3/VIRR L3S SST

- Based on RV1 FY3/VIRR L3C SST(subskin ,0.05° lat/lon grid) , nighttime and daytime(with windspeed>6m/s) are merged. Validate SST against in situ(iQUAM) with Matchup window of (10km, 1hour).