CMC Sea Surface Temperature activities

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23rd International Science Team Meeting (G-XXIII)
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GHRSST GDS2 L4 PRODUCTS

CMC SST v3.0
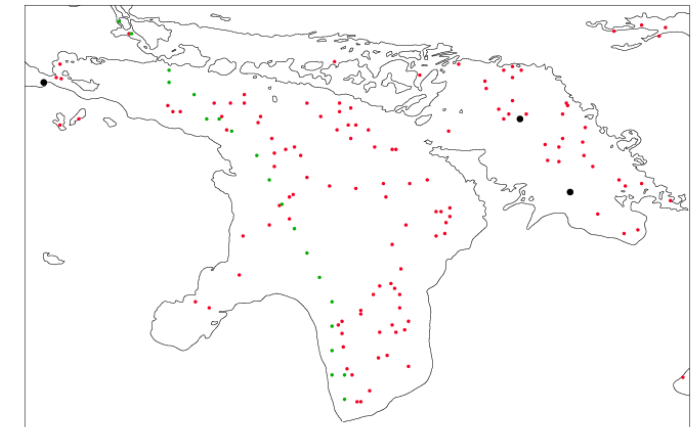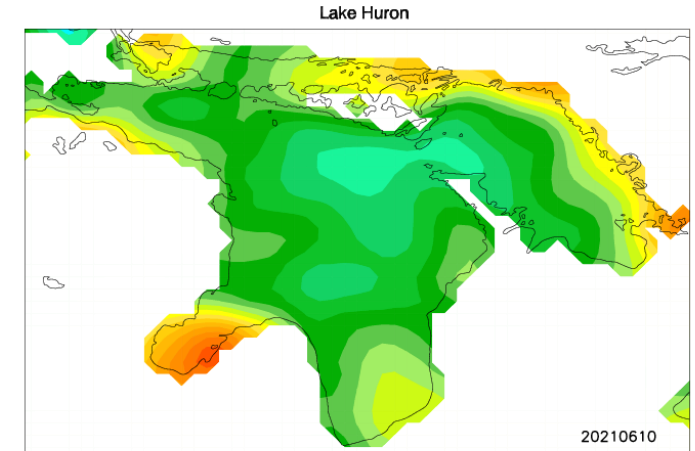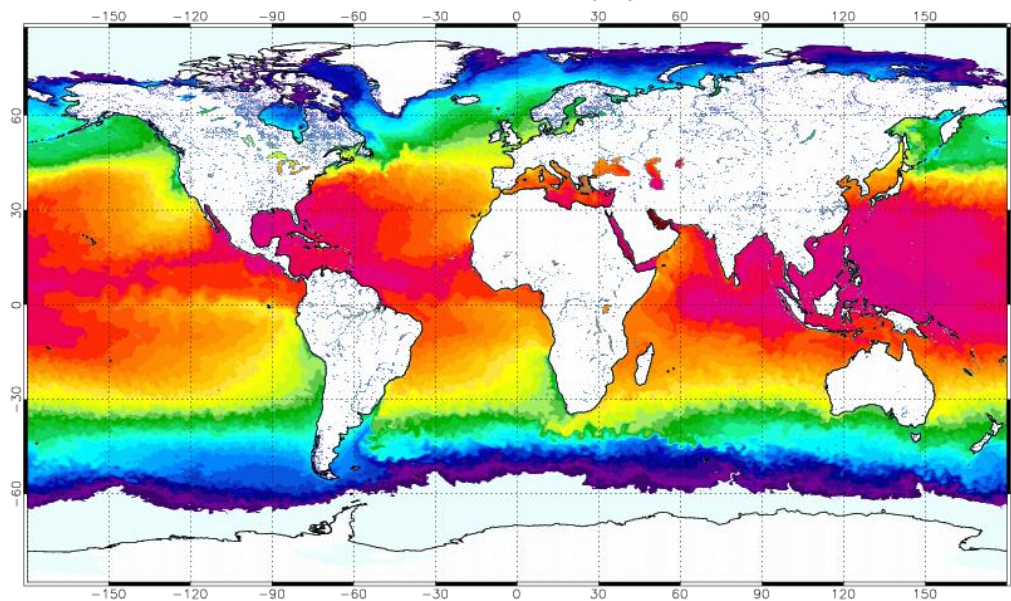
Global 0.1⁰ resolution, latitude/longitude grid

Optimal interpolation

Operational analysis since July 3, 2019

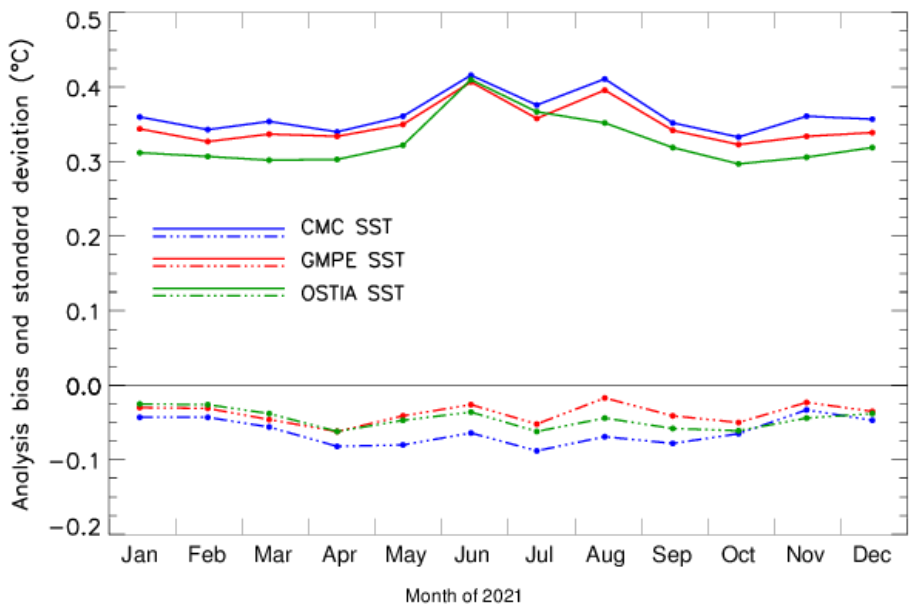Available from PO.DAAC and NOAA/NCEI since January 1ˢᵗ 2016

DATA SET	DATA TYPE	PRODUCER/DATA ACCESS
AVHRR MetOp B	L2	NAVOCEANO/PO.DAAC
AVHRR MetOp C	L2	NAVOCEANO/PO.DAAC
VIIRS Suomi NPP	L3U	NOAA-NESDIS-STAR/PO.DAAC
VIIRS Suomi NPP	L3U	NOAA-NESDIS-STAR/PO.DAAC
AMSR2 GCOM-W1	L3	REMSS
Buoys, Ships	TAC/BUFR	GTS
Ice concentration	L4	CCMEP ice analysis

ANALYSIS OF SEA SURFACE TEMPERATURE (°C) VALID 2021083100

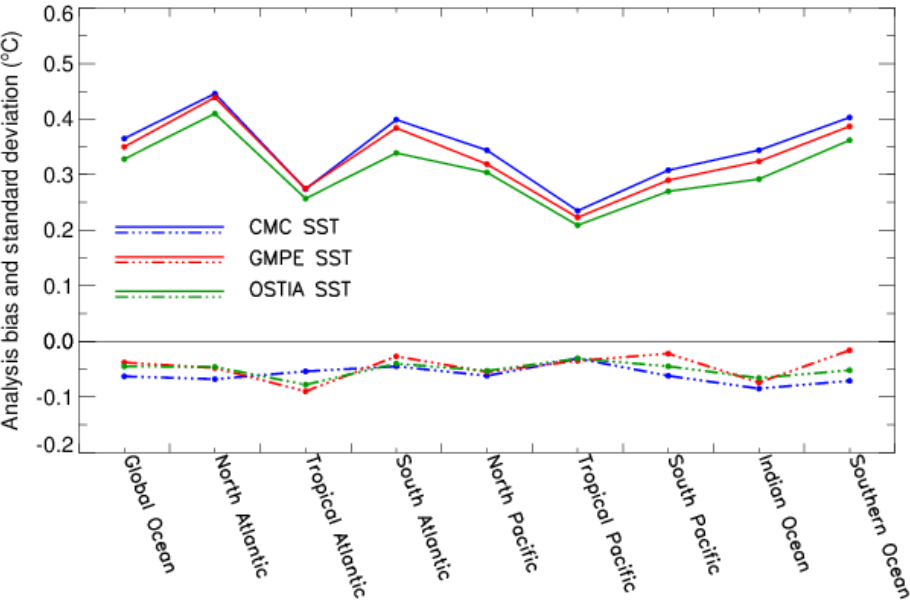Lake Huron

20210610

Lake temperature observations for 72-hr period ending 2021061000

Satellite 126   Ship 20   Auto Ship 3

CMC SST performance over 2021

Last year changes

- February 2021
  - Add VIIRS data from NOAA 20
- August 2021
  - Migrate to new version of AMSR2 data (version 8.2; NetCDF format)
- November 2021
  - Lost of AVHRR data from MetOp-a
- May 2022
  - Change of VIIRS retrievals from v2.61 to 2.80

Future plans

- Migration to a new HPC infrastructure to be completed in June 2022
- A new global daily analysis using a variational data assimilation method will be implemented in experimental mode in September 2022
- Addition of SLSTR data from Sentinel 3A and Sentinel3B