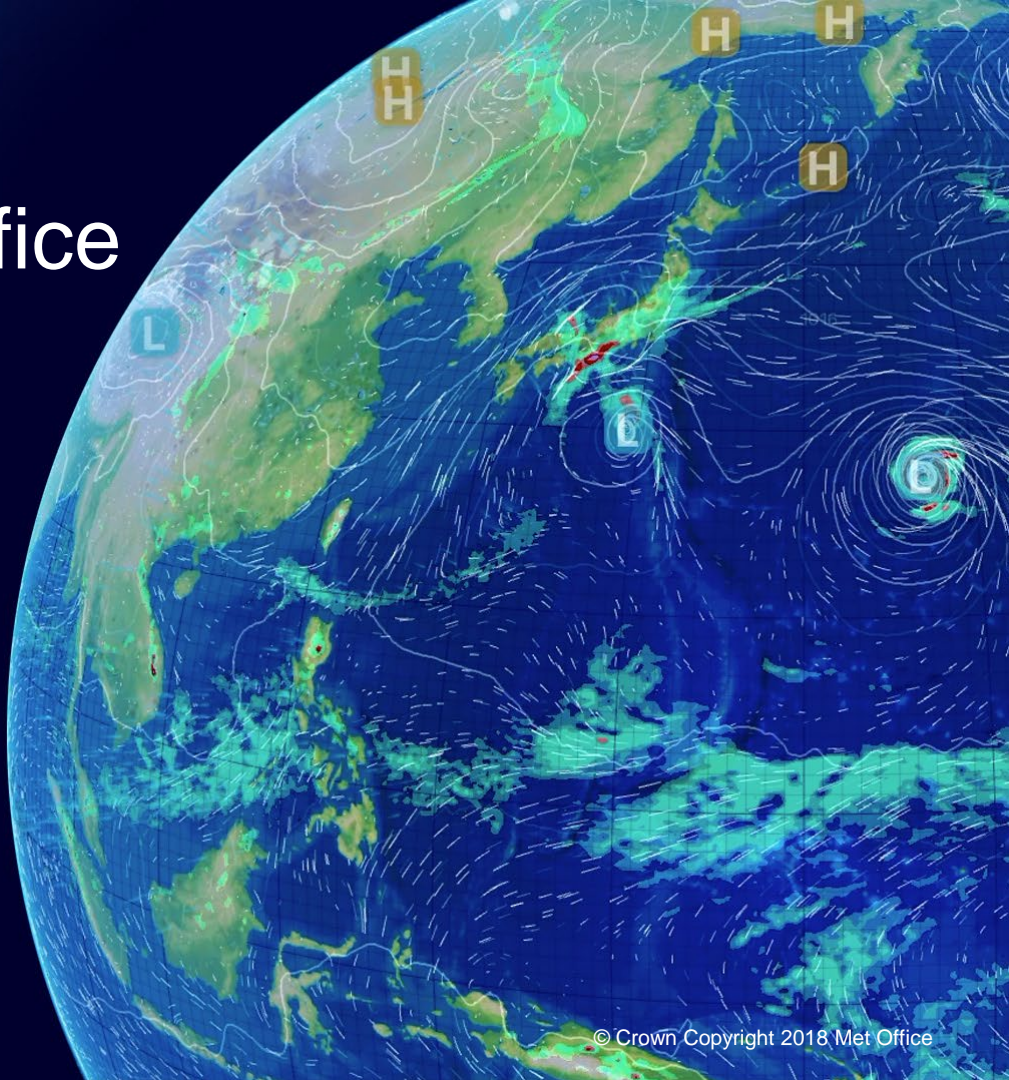


# RDAC update: Met Office

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GHRST XXI Science Meeting, 1 – 4 June



- Replace NOAA-19 AVHRR with NOAA-20 VIIRS product. NOAA-20 VIIRS and S-NPP VIIRS are used as the reference sensors in OSTIA
- Start assimilating Sentinel-3B SLSTR data in OSTIA
- Test using SLSTR dual view SSTs in the reference dataset
  - SLSTR will be used together with VIIRS as the reference sensors in OSTIA at the next system upgrade, probably towards the end of 2020

### OSTIA-minus-Argo Mean Differences

Region	July – September 2019		November 2019 – January 2020	
	Control	SLSTR+VIIRS Ref	Control	SLSTR+VIIRS Ref
Global Ocean	-0.11	<b>-0.07</b>	-0.09	<b>-0.05</b>
Tropical Atlantic	-0.17	<b>-0.1</b>	-0.11	<b>-0.05</b>

- Reprocessed CMEMS OSTIA products become available
  - Using the latest NRT OSTIA configuration but underpinned by ESA CCI and C3S L3 data and reprocessed from October 1981 to December 2018, providing foundation SST
  - Can be accessed from:  
[https://resources.marine.copernicus.eu/?option=com\\_csw&task=results?option=com\\_csw&view=details&product\\_id=SST\\_GLO\\_SST\\_L4\\_REP\\_OBSERVATIONS\\_010\\_011](https://resources.marine.copernicus.eu/?option=com_csw&task=results?option=com_csw&view=details&product_id=SST_GLO_SST_L4_REP_OBSERVATIONS_010_011)
- Reprocessed CCI and C3S OSTIA products
  - The L4 files provide daily SST at 20 cm depth and currently cover September 1981 to December 2018. Products are available at:
    - ESA CCI data (1981 – 2016) from <http://cci.esa.int/data>
    - ESA CCI and C3S from <https://cds.climate.copernicus.eu/cdsapp#!/dataset/satellite-sea-surface-temperature?tab=overview>
    - Also from  
[https://resources.marine.copernicus.eu/?option=com\\_csw&task=results?option=com\\_csw&view=details&product\\_id=SST\\_GLO\\_SST\\_L4\\_REP\\_OBSERVATIONS\\_010\\_024](https://resources.marine.copernicus.eu/?option=com_csw&task=results?option=com_csw&view=details&product_id=SST_GLO_SST_L4_REP_OBSERVATIONS_010_024)