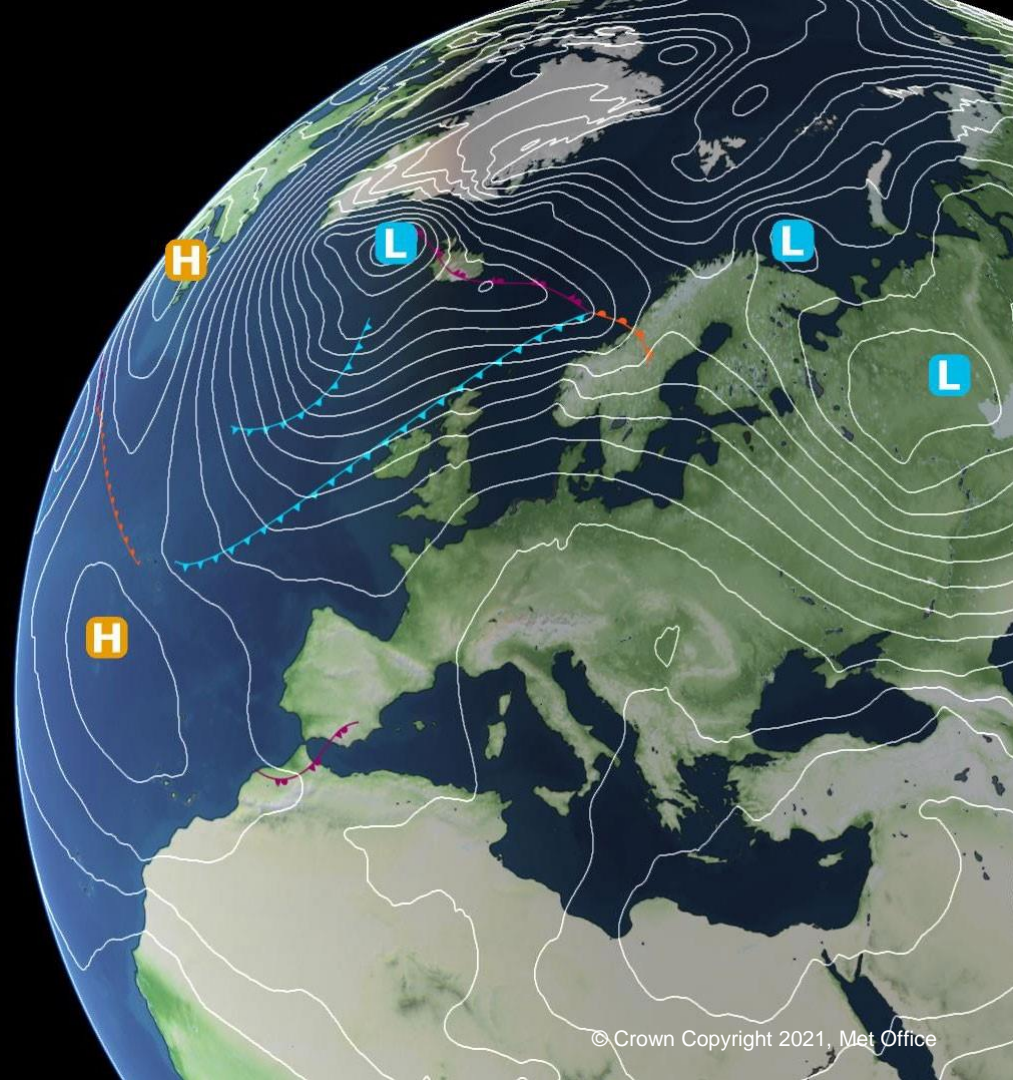


Progress update from the Met Office

Chongyuan Mao



- Ongoing work to update NEMOVAR used in the OSTIA systems, new version is expected to be operational in 2023 – 2024

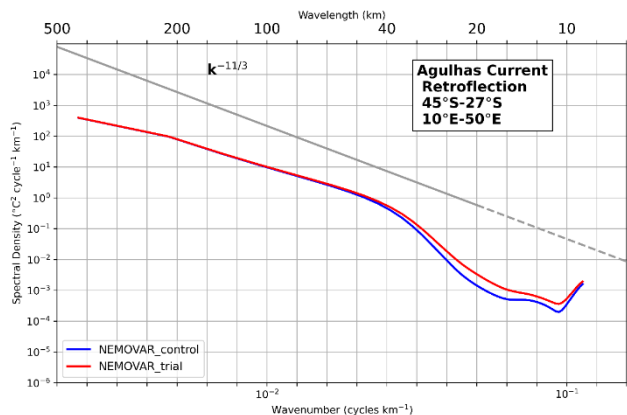
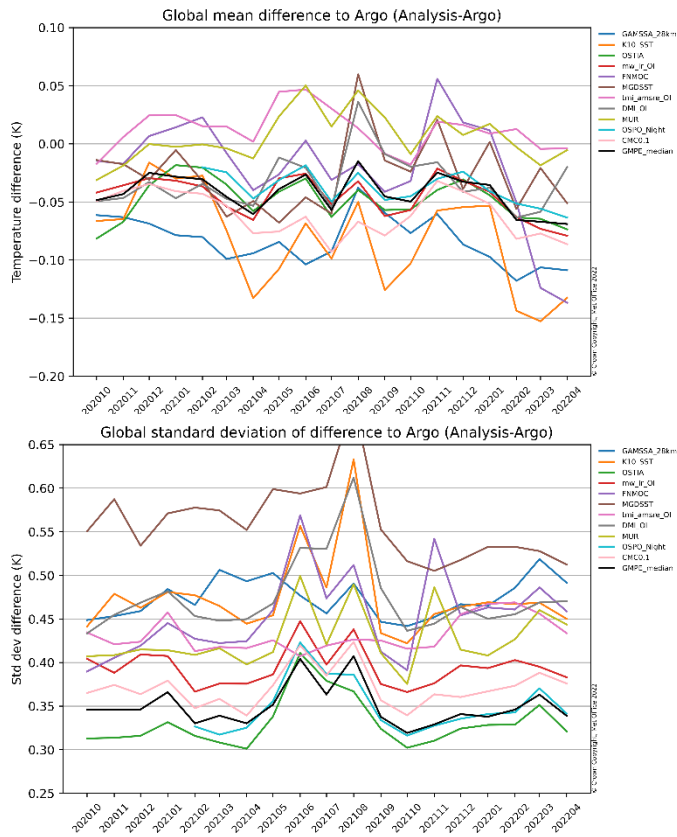


Fig: Power spectra density for trial and control in the Agulhas Current Retroflection area over 1 Oct 2020 – 30 Sep 2021

- Power spectra results indicate new NEMOVAR (red line) performs better than the control (blue line) at wavelength 20 – 40 km

Product (all level 4)	Availability
OSTIA foundation SST near real time	PO.DAAC CMEMS
OSTIA foundation SST reprocessed product for late 1981 – present	CMEMS
OSTIA diurnal skin SST near real time	CMEMS
GHRSSST multi-product ensemble (GMPE)	CMEMS
ESA CCI and C3S daily average 20cm depth SST for late 1981 - present	CCI (to 2016) C3S CMEMS

The plots on the right show monthly GMPE validation statistics (see link below).



Changes to Marine Heat Wave (MHW) and Marine Cold Spells (MCS) during 1982 - 2021. Please visit **Poster ID 002 in Session 1** for more details

