

Extended Area Continental Shelf Model (CS3X)

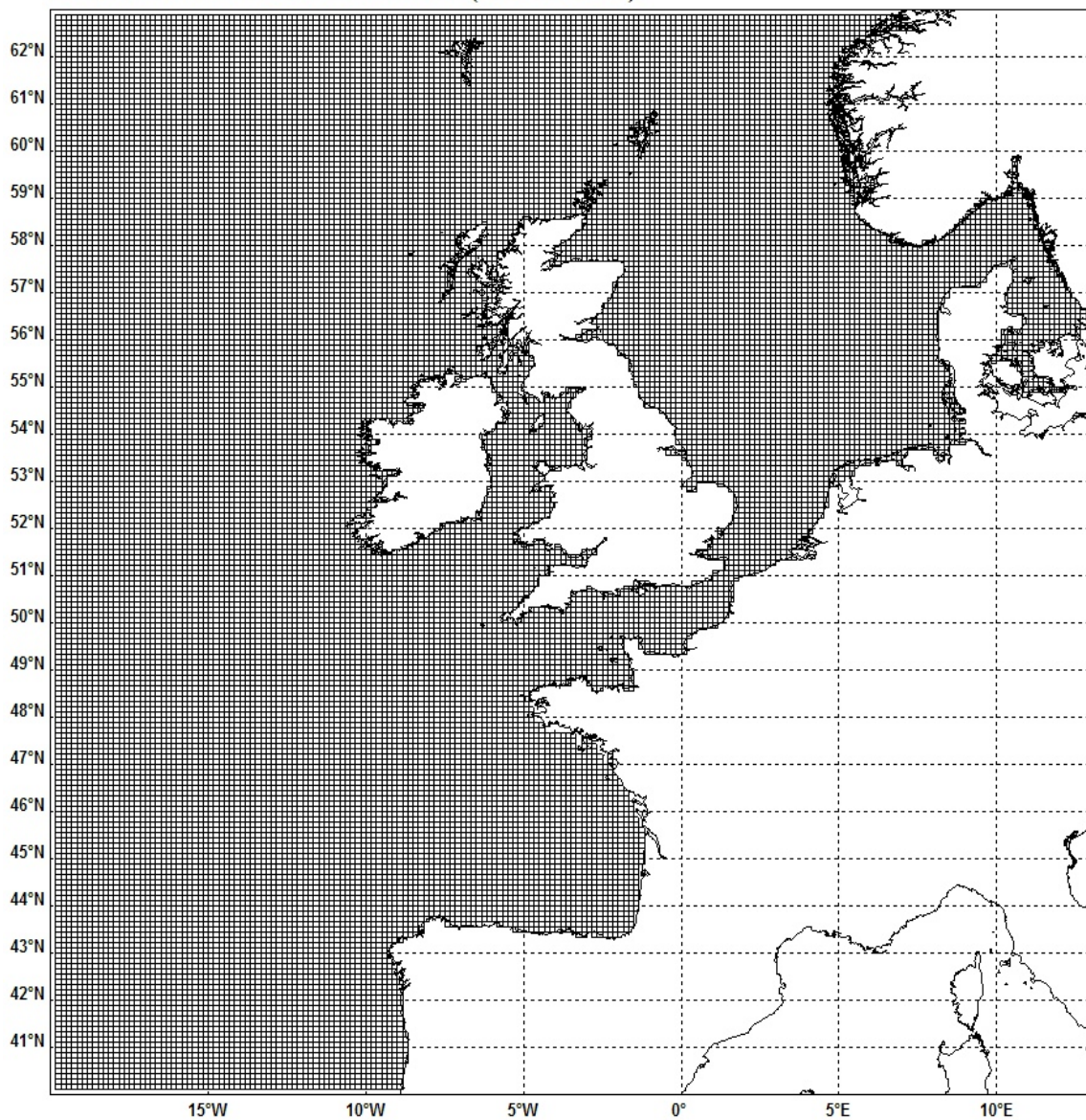
Details

1/9° latitude by 1/6° longitude (resolution approximately 12km)

Area covered: 40° 07' N to 62° 53' N, 19° 50' W to 12° 50' E

Model grid

Continental Shelf Extended Model (CS3X-50HC)



Data available from the CS3X model

Tidal data (elevations and currents) are available for any location in the model domain. Currents are depth-averaged.

Hindcast of hourly level and current simulations from the NOC CS3X Model are available for total (tide and surge) and surge residuals for the years 2007 onwards.

The model makes use of meteorological data from the UK Met. Office Operational Storm Surge extended area CS3X surge model. The data being hindcast from the NOC CS3X Model using a combination of measured and modelled meteorological data. Data for the period 1992-2006 is also available from the CS3 model. Surge residual (also known as residual) and total (tide+surge) both have levels and currents (in component form).

Validation of the CS3X model

Comparison between observed tide gauge data and computed tides from the CS3X model is available on request. Contact products@noc-innovations.co.uk