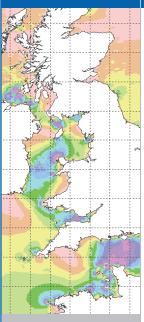
Information Sheet



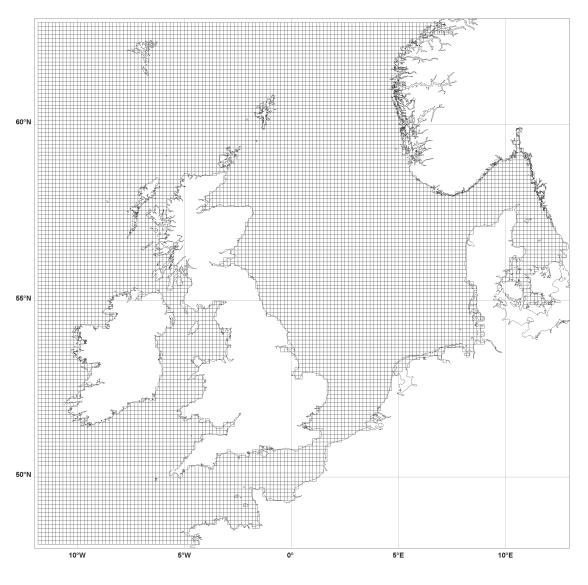
Continental Shelf Model: fine grid (CS3 and CS3-3D)

Details

 $1/9^\circ$ latitude by $1/6^\circ$ longitude (resolution approximately 12km)

Area covered: $48^\circ~07'N$ to $62^\circ~53'~N,~11^\circ~50'W$ to $12^\circ~50'E$

Model grid



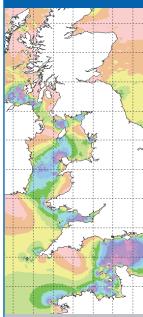
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National Oceanography Centre : Model Details

Information Sheet



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Other data available from the CS3 model

Hindcast of hourly level and current simulations from the NOC CS3 Model are available for total (tide and surge) and surge residuals for the years 1992 onwards.

The model makes use of meteorological data from the UK Met Office Operational Storm Surge Local Area Model (1992 to 1998) and the Mesoscale model (1999 onwards). The data being hindcast from the NOC CS3 Model using a combination of measured and modelled meteorological data. Surge residual (also known as residual) and total (tide+surge) both have levels and currents (in component form)

Data available from the CS3-3D model

The model uses up to 26 tidal harmonic constants to provide tidal elevation together with current speed and direction at six different depths (sigma levels) deduced from the depth-averaged currents using a set of vertical current profiles. The six sigma levels for the currents are at the depths 0% (surface), 25%, 50% (mid-depth), 75%, 90% (near-bottom) and 100% (bottom).