National Oceanography Centre

Marine Information Products, Services and Software

The National Oceanography Centre (NOC) provides powerful, user-friendly marine information products. Our range of products cover the breadth of interests in the marine environment from the research community through to individual, organisational and commercial users across the full range of maritime sectors.

A wide range of raw marine scientific data is freely available from a number of sources including the British Oceanographic Data Centre (BODC), however users often prefer to have the tools to help them use and interpret the data rather than gigabytes of numbers in a file.

The NOC provides a comprehensive service to help clients understand, interpret and apply marine information. A range of software products are available, covering the coast to the deep ocean. These give clients the ability to take control of large volumes of data and interpret, process and visualise it in a number of different ways.

In addition to information products, the NOC can work directly with clients to deliver bespoke solutions and services based on decades of experience in working with oceanographic data and models.

RRS *Discovery*
in Liverpool

Tides at the Coast

The National Oceanography Centre has provided a national and international tidal prediction service for nearly 100 years.

The NOC has continued to develop and refine these analytical methods and today provides users with the analysis software used to produce tide tables and compute tidal currents.

The NOC can analyse data from in-situ measurements, such as privately owned tide gauges, or part of the UK network to refine predictions and produce very accurate data for specific locations. We also provide access to tidal heights on the go via our *any*Tide smartphone app.

products@noc-innovations.ac.uk

Day	Time	Ht	Day	Time	Ht
1 F	0158	5.02	**16** Sa	0221	5.66
	0829	2.77		0851	2.14
	1443	5.28		1500	5.96
	2106	2.59		2134	1.83
2 Sa	0316	5.31	**17** Su	0339	6.07
	0937	2.43		0959	1.71
	1545	5.69		1606	6.45
	2204	2.18		2234	1.36
3 Su	0410	5.73	**18** M	0436	6.54
	1027	2.02		1053	1.27
	1631	6.13		1658	6.91
	2249	1.77		2324	0.98
4 M	0453	6.14	**19** Tu	0524	6.92
	1107	1.64		1139	0.94
	1711	6.53		1743	7.22
	2328	1.40			
5 Tu	0530	6.50	**20** W	0006	0.74
	1145	1.31		0606	7.14
	1748	6.85		1220	0.76
				1824 ●	7.36
6	0005	1.09	**21**	0045	0.66
	0606	6.79		0644	7.23

Day	Time	Ht	Day	Time	Ht
1 Su	0238	5.16	**16** M	0324	6.07
	0900	2.67		0944	1.81
	1509	5.58		1550	6.46
	2130	2.33		2218	1.45
2 M	0337	5.63	**17** Tu	0419	6.50
	0954	2.19		1036	1.41
	1558	6.08		1639	6.84
	2218	1.84		2304	1.14
3 Tu	0421	6.13	**18** W	0503	6.84
	1037	1.72		1119	1.13
	1639	6.55		1722	7.08
	2259	1.39		2344	0.96
4 W	0500	6.59	**19** Th	0543	7.04
	1116	1.31		1157	0.98
	1718	6.96		1800 ●	7.19
	2337	1.01			
5 Th	0538	6.97	**20** F	0019	0.91
	1154	0.97		0619	7.12
	1756 ○	7.28		1232	0.95
				1835	7.17
6	0015	0.74	**21**	0052	0.95
	0615	7.25		0652	7.11

Day	Time	Ht	Day	Time	Ht
1 W	0342	6.07	**16** Th	0439	6.60
	1000	1.86		1054	1.44
	1602	6.49		1657	6.78
	2224	1.46		2318	1.29
2 Th	0426	6.58	**17** F	0518	6.80
	1045	1.39		1133	1.30
	1645	6.95		1736	6.88
	2306	1.05		2354	1.22
3 F	0508	7.02	**18** Sa	0554	6.91
	1127	1.01		1208	1.24
	1727	7.31		1811 ●	6.90
	2349	0.74			
4 Sa	0549	7.34	**19** Su	0027	1.22
	1209	0.74		0628	6.95
	1810 ○	7.54		1242	1.25
				1844	6.86
5 Su	0031	0.57	**20** M	0058	1.28
	0630	7.53		0700	6.91
	1251	0.61		1314	1.32
	1853	7.61		1915	6.76
6	0113	0.56	**21**	0129	1.40
	0713	7.55		0732	6.81

Day	Time
1 F	03, 10, 16, 22
2 Sa	04, 11, 17, 23
3 Su	05, 11, 17, ○
4 M	00, 06, 12, 18
5 Tu	00, 06, 13, 19
6	01, 07

Tide Tables

Using the National Tide Gauge Network and our expert knowledge of tidal prediction, we can provide the most accurate tide tables.

Whether you ask us to produce the tide tables for you and supply publication-ready PDF files, or you compute them yourself using our powerful tidal software, you get the same high quality and accurate information presented in a wide range of formats to meet your requirements.

We do the maths so you don't have to…

The National Oceanography Centre is a world leading centre in ocean modelling and the forecasting of shelf sea dynamics.

Our products provide valuable information to a diverse range of clients ranging from small consultancy firms through to major government funded studies.

Our products and services include:

• Offshore modelling software that is powerful yet very easy to use (POLPRED)

• Time series of tidal levels and currents for any location offshore

• Data from our tide and surge model going back to 1955

• Extreme levels / return periods

• Particle tracking

• Data to match your specific criteria

products@noc-innovations.ac.uk

Who do we work with?

We have a diverse range of clients covering a wide range of market sectors including:

- Environment Agency
- Met Office
- Local government
- Academia / research
- Ports and harbours
- Offshore renewables
- RNLI

- Oil and gas
- Offshore survey
- Maritime investigations
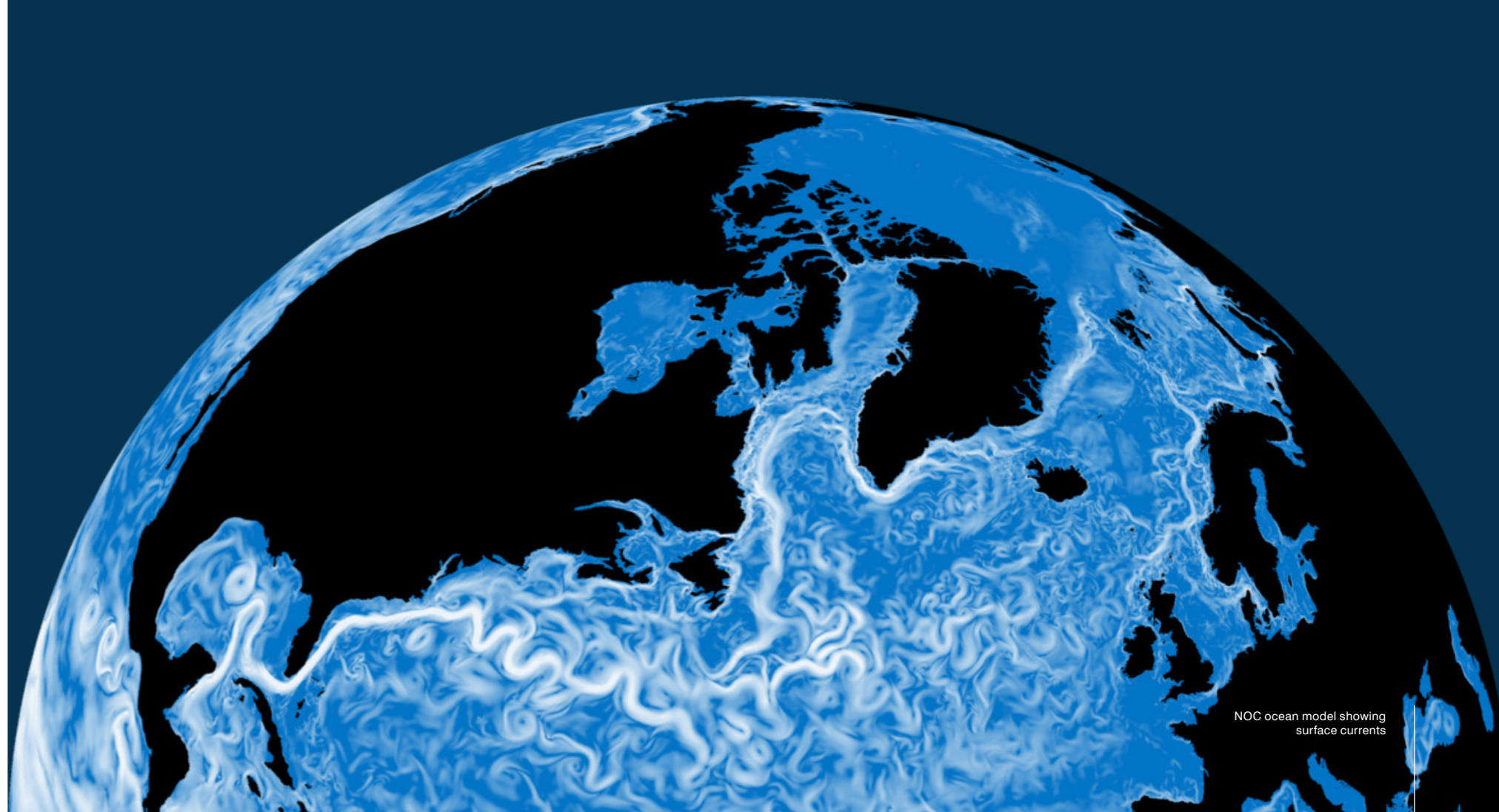- Law enforcement
- Publishers
- Event planners

The National Oceanography Centre can provide bespoke services, such as a tide table layouts to fit your publication.
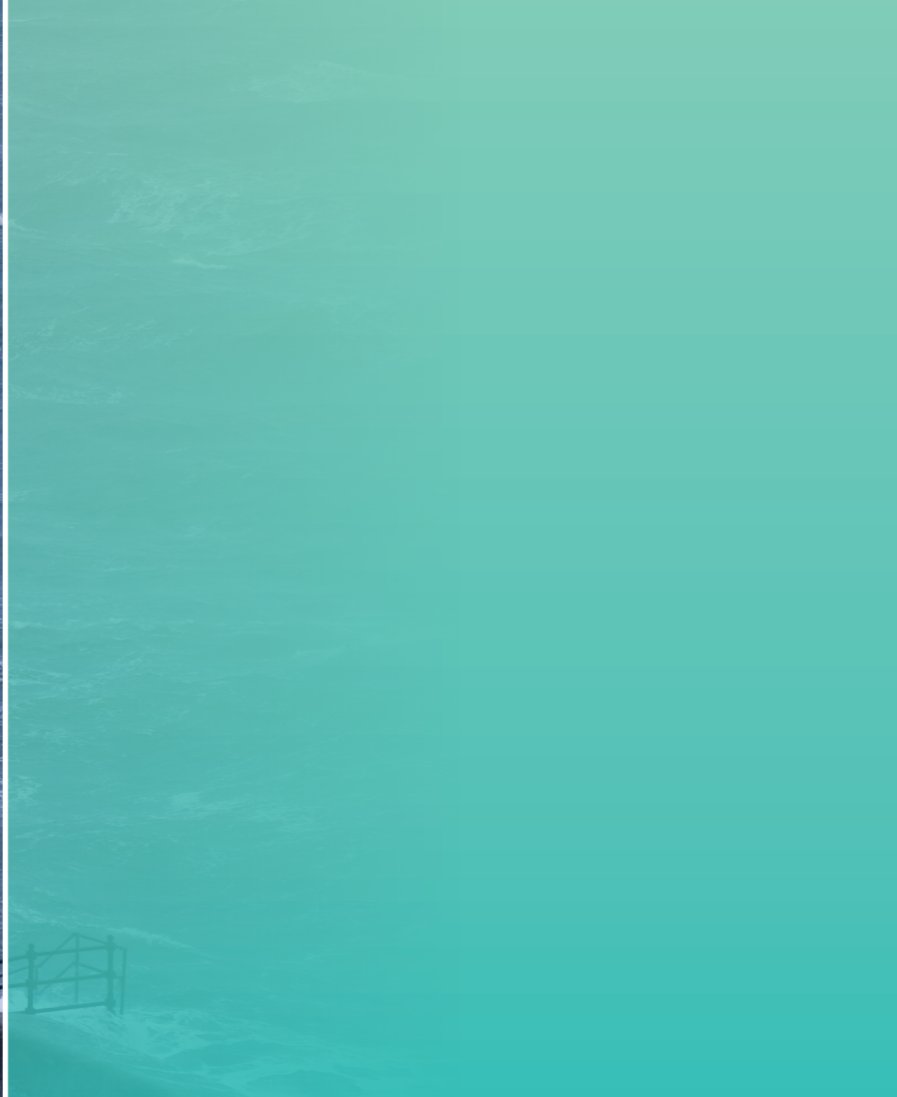
Applied Modelling

If you have a more specialist modelling requirement than
is offered by our standard software then we may be able to help.

We can produce models covering a wide range of parameters including:

• 2D and 3D tides

• Storm surges

• Waves

• Sediment movement

• Particle tracking

• Temperature and salinity

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NOC ocean model showing
surface currents

National Oceanography Centre