

Cruise report ASOF-N cruises in 2003 and 2004

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Cruise objective: Hydrographic sampling of the standard section Fugløya-Bjørnøya (Figure 1). Recovery and redeployment of ASOF-N current meter moorings located at the same section.

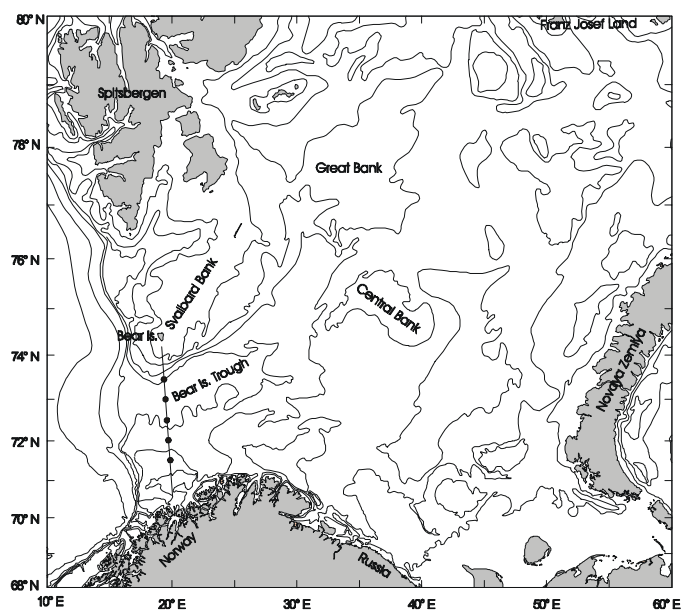


Figure 1. Map of the Barents Sea indicating the position of the standard section and the current meter moorings.

Hydrographic data

The hydrographic measurements were sampled with a SeaBird CTD. The data were calibrated, and assigned a quality flag. The station list are given in Table 1.

Date	Ship	Station number	Current meter moorings
23-25 January 2003	Johan Hjort	20-37	
10-12 March 2003	Johan Hjort	149-167	
15-16 April 2003	Sarsen	350-369	
15-16 June 2003	Johan Hjort	472-487	
2-4 September 2003	GO Sars	35-84	Recovered and redeployed
3-5 October 2003	Johan Hjort	813-832	
24-26 January 2004	Johan Hjort	26-45	
5-8 March 2004	Johan Hjort	217-236	
10-12 April 2004	GO Sars	324-341	
22-24 June 2004	Håkon Mosby	555-536	
14-15 August 2004	Johan Hjort	847-866	Recovered and redeployed
23-24 October 2004	Johan Hjort	1085-1093	

Current meter data

The data material consists of current measurements from 5 moorings on the Fugløya-Bjørnøya section (Figure 1). Each mooring was equipped with 2 Aanderaa RCM7. In addition to current speed and direction the instruments recorded temperature and conductivity. Details on the moorings are given in Table 1. Data were recorded every 20 minutes. No gap-filling has been performed.

Mooring	Location	Depth of instrument	Bottom depth	Observation period
Mooring no 1	71° 30' N, 19° 48' E	64 m 148 m 225 m	240 m	12.09.2003-06.03.2004 25.08.2002-10.03.2003 25.08.2002-10.03.2003
Mooring no 2	72° 00' N, 19° 46' E	56 m 124 m 301 m	316 m	11.03.2003-17.08.2004 25.08.2002-10.03.2003 25.08.2002-17.08.2004
Mooring no 3	72° 28' N, 19° 34' E	67 m 120 m 370 m	385 m	11.03.2003-17.08.2004 25.08.2002-10.03.2003 20.08.2002-17.08.2004
Mooring no 4	72° 59' N, 19° 29' E	47 m 119 m 402 m	414 m	11.03.2003-17.08.2004 25.08.2002-10.03.2003 25.08.2002-17.08.2004
Mooring no 5	73° 29' N, 19° 18' E	47 m 126 m 465 m	480 m	12.09.2003-17.08.2004 25.08.2002-10.03.2003 25.08.2002-06.03.2004