A. Cruise Narrative

1. Highligts AR-18

a/b. Nordic WOCE Denmark Strait
MRI-BS-14-1995.

c. Chief scientist : Svend-Aage Malmberg, MRI.

d. RV Bjarni Saeemundsson TFEA

e. Port of call : Reykjavik

f. Cruise dates : 950905 - 950914.

2. Cruise summary information

a. Denmark Strait area (figur)

b. Number of stations 73 CTD/ROSETTE stations

d. Moorings deployed and recovered

type	identification	location	time	date
recovered	ULS	6640 N 29 40 W	08:10	950908
recovered	ULS+AA	6725 N 26 00 W	17:00	950912
deployed	AA	6755 N 24 39 W	10:42	950911
deployed	AA	6808 N 25 15 W	15:52	950911

3. List of principal investigators

Chief scientist Svend-Aage Malmberg, MRI, email:svam@hafro.is
Hedinn Valdimarsson CTD/rosette , MRI email:hv@hafro.is
Johannes Briem Moorings , MRI email:briem@hafro.is
Thor Jakobsson Meteorol/sea-ice , Icl.Met.off email:thor@vedur.is

MRI- Marine Research Institute,
PoBox 1390, 121 Reykjavik,Iceland.

Icl.Met.off - Icelandic Meteorological Office,
Bustadavegi 9, Rekjavik.

4. Scientific program and methods

a. Narrative.

R/V Bjarni Saemundsson left Reykjavik Sept 5 for the waters in the Denmark Strait to cover for hydrographic sections from coast to coast between Iceland and Greenland. At each hydrographic station a profile with a Seabird CTD was performed taking a water sample at a selected depth for salinity calibration. Hydro-Bios water bottles and new IAPSO salinity bottles were used. Sample analysis were carried in a shore laboratory after the cruise by a Guldline Autosal 8400A.
Two year long moorings with ULS and AA current meters were recovered and two moorings with AA meters only were deployed. R/V Bjarni Saemundsson arrived to Reykjavik on Sept 14.

5. Major Problems.

No problems occurred the cruise was carried out as planned.

7. List of cruise participants.

Svend-Aage Malmberg, chief scientist, MRI.
Hedinn Valdimarsson, ctd/rosette , MRI.
Johannes Briem, moorings, MRI.
Margret Johannsdottir salinity MRI.
Steingrimur Jonsson, ctd/rosette MRI.
Magnus Danielsen, ctd/rosette MRI.
Thor Jakobsson, met/sea-ice Icel.Met.Off.

B. Underway measurements

5. Meteorological observations on stations and every 3 hours.

C. Hydrographic measurements.

a. The CTD measurments were carried out by a Seabird 911plus, sensors calibrated by the producer prior to the cruise.

b. Salinity measurements were after sampling using Hydro-Bios water samples and new and clean sampling bottles carried out in a shore laboratory by a Guildline 8400A, standardised with IAPSO standard sea water-bath P124. The obtained data were used to calibrate the CTD conductivity data according to Seabirds application note 31, using slope=1.000493 and offset=-0.000530.

D. Acknowledgements
Funding sources were Icelandic national funds.

F. Deck logs, sampling rates etc.