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FRV "SCOTIA"

CRUISE 1/88

ISR88

Report

6-26 January 1988

Personnel

J H A Martin	PSO
E W Henderson	PSO
R Payne	HSO
W R Turrell	HSO
G Slessor	HSO
R D Adams	SO
P Rankine	SO

Objectives

1. To recover 13 current meter moorings in the North Sea and west of Orkney and Shetland Islands.
2. To do associated hydrography as part of the ACE project.
3. To study the vertical profile of the Fair Isle current using drogues.
4. To collect water samples for radio-caesium analysis.

Narrative

"Scotia" sailed two days late due to ship repairs. The current meter moorings in the North Sea were recovered first as and when the adverse weather permitted. Of the eight moorings in the North Sea, one had previously been returned by a fishing boat; the remainder were recovered except for the most northerly which was missing. The moorings west of Orkney were then recovered, most of which were damaged and current meters missing. A half landing was taken at Kirkwall after which a hydrographic survey was commenced. This was interrupted for a brief visit to Scalloway to pick up a further mooring which had been trawled. The hydrographic survey was continued but in very adverse weather conditions. "Scotia" docked in Aberdeen on the morning of 26 January.

## Results

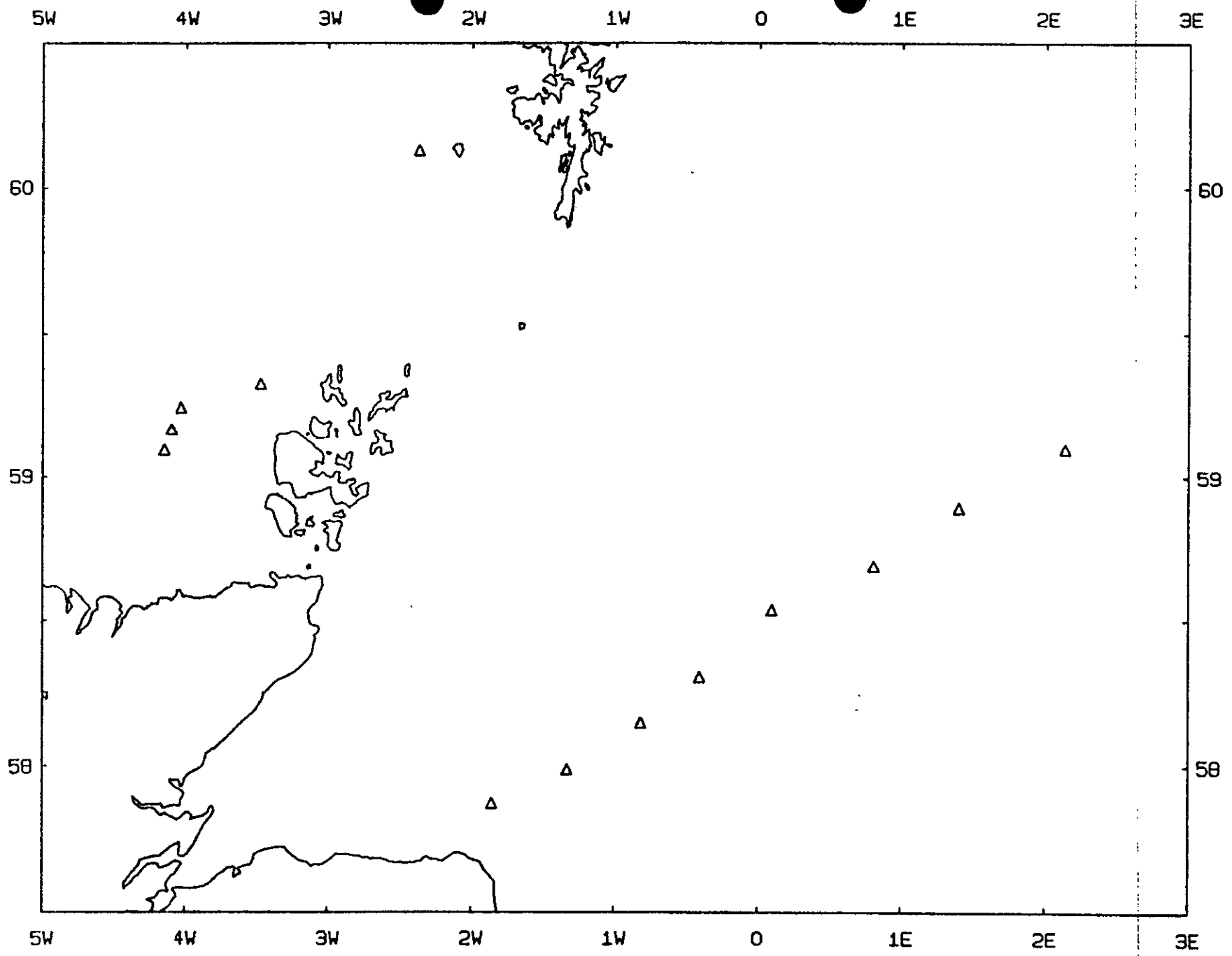
Most current meters gave excellent results. They will in due course be compared with others used in the "ACE" project. The currents can be seen to respond to meteorological events. One notable feature was the bifurcation of the current off the north east corner of Scotland, a second one was that it was abnormally mild with the temperature of the northern North Sea  $2^{\circ}\text{C}$  above normal for the time of year.

J H A Martin

25 May 1988

Seen in draft: N E McInnes

C.M. MOORINGS SEPTEMBER - JANUARY 1988



R ADAMS

U.S. SCOTIA CRUISE 1 8 - 26 JANU 1988

