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CRUISE REPORT

FREDERICK RUSSELL CRUISE 9

1st June - 8th June 1983

PARTICIPANTS

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PROCEDURE

Departed Plymouth at 2300 B.S.T. on 1st June. Sea surface temperature, salinity, transmission, fluorescence and nutrients were measured continuously whilst steaming. Two legs were completed south of Jersey before continuing towards the shelf-break. Current meter moorings 072 and 073 were deployed at  $48^{\circ}34'N$ ,  $06^{\circ}46'W$  and  $48^{\circ}25'N$ ,  $06^{\circ}55'W$  respectively. It is planned to recover these moorings on cruise 12 and redeploy them. Having completed the deployment successfully we headed south to recover a satellite tracked drifting buoy N<sup>o</sup>1817 which had been launched on a cruise in March. This buoy was recovered in good weather conditions and the ship proceeded north-west along the shelf-break.

A zig-zag course was taken across the top of the slope to examine surface distributions of temperature, salinity, transmission, fluorescence and nutrients at the shelf-break during early summer conditions. At 2300 on 5th June drifting buoy 1818 was launched at  $49^{\circ}10'N$ ,  $10^{\circ}00'W$  followed five hours later by buoy 1819, approximately 90 km to the south.

Before the end of the cruise, it was planned to steam back to the Channel Isles to repeat the measurements taken at the beginning of the cruise. However bad weather conditions forced the ship to slow down to 7 knots and we had to steam back to Plymouth before reaching the Channel Isles. Docked Plymouth early morning on 8th June.

