

NEWFOUNDLAND SHELF CIL TIME SERIES

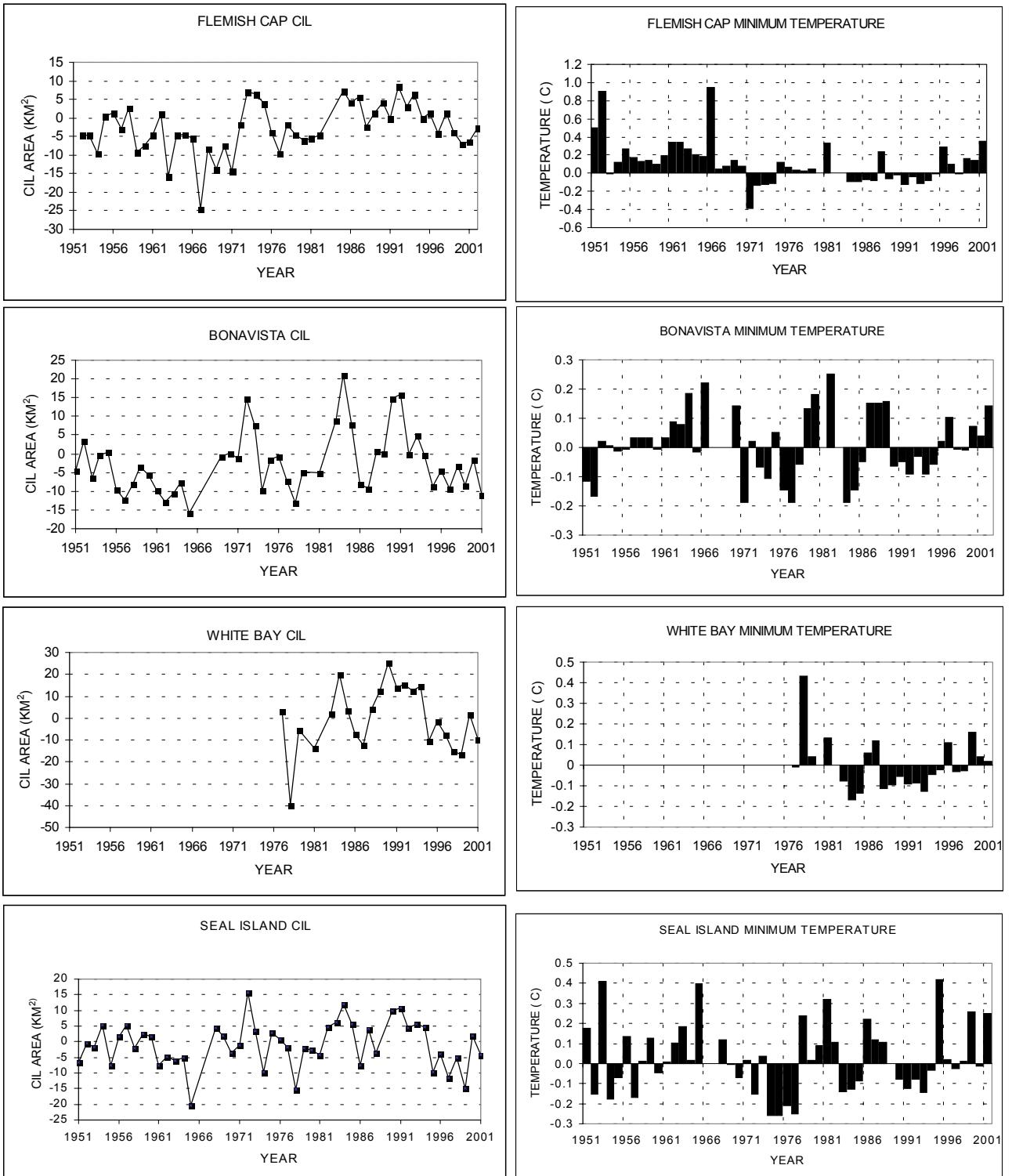


Fig. 20. Annual summer CIL cross-sectional area (left panels) and minimum temperature (right panels) anomalies along the Flemish Cap, Bonavista, White Bay and Seal Island transects. The anomalies are references to the 1971-2000 mean.

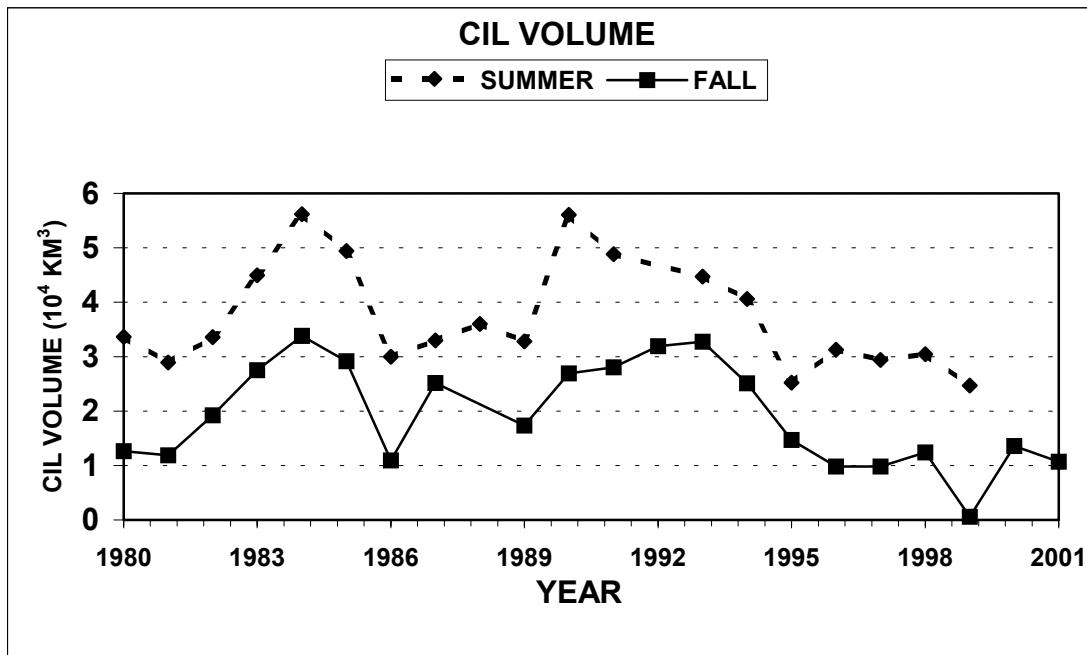


Fig. 21. Time series of summer and fall cold-intermediate-layer (CIL) volumes with temperatures $<0^{\circ}\text{C}$ over the 2J3KL areas. There were insufficient data to calculate the summer 2000 and 2001 values.

GEOSTROPHIC CURRENTS (SUMMER 2001)

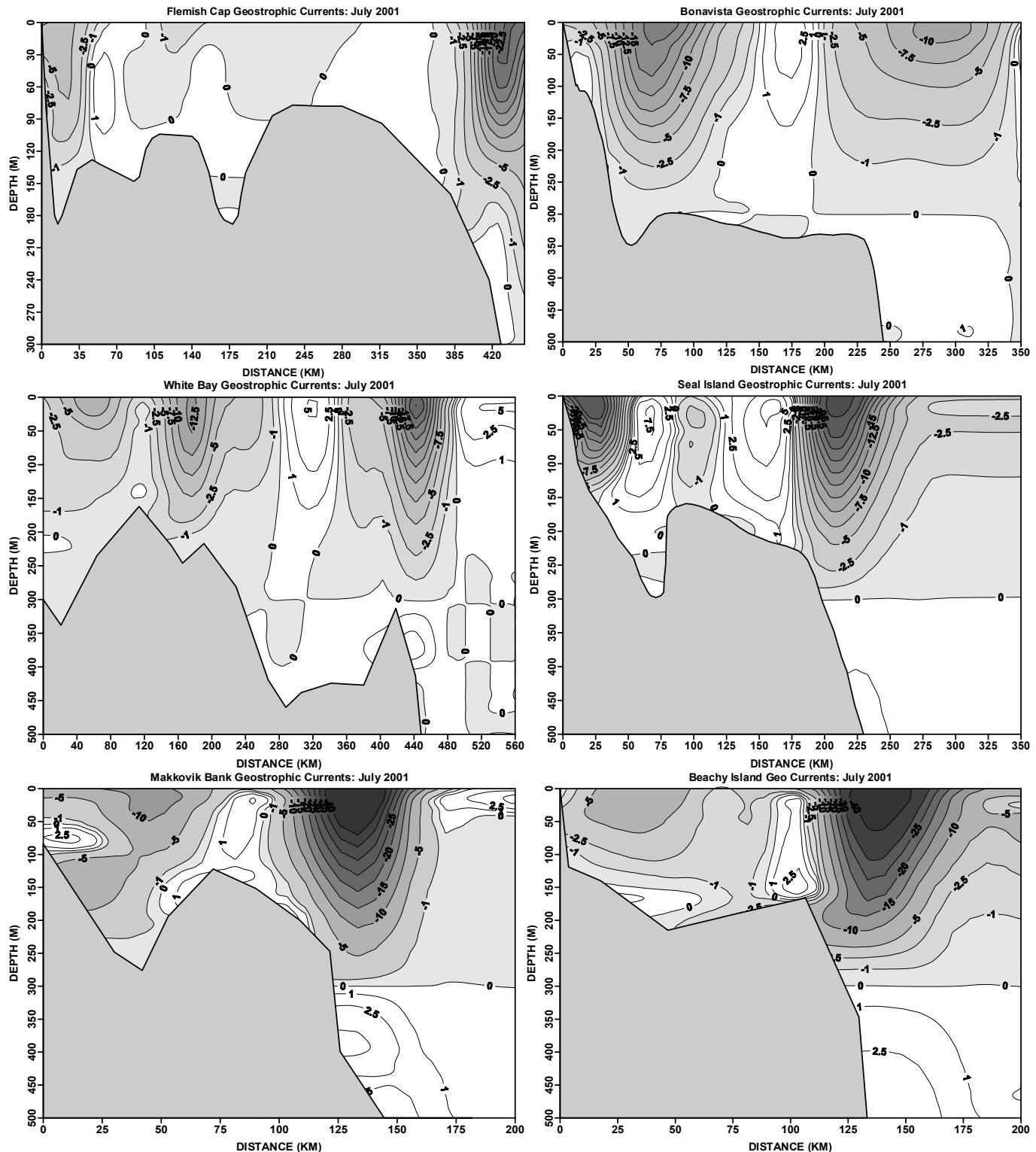


Fig. 22. Contours of geostrophic currents (in cm/s) along the Flemish Cap, Bonavista, White Bay, Seal Island, Makkovik Bank and Beachy Island sections during the summer of 2001. Negative shaded values are southward.

GEOSTROPHIC TRANSPORT

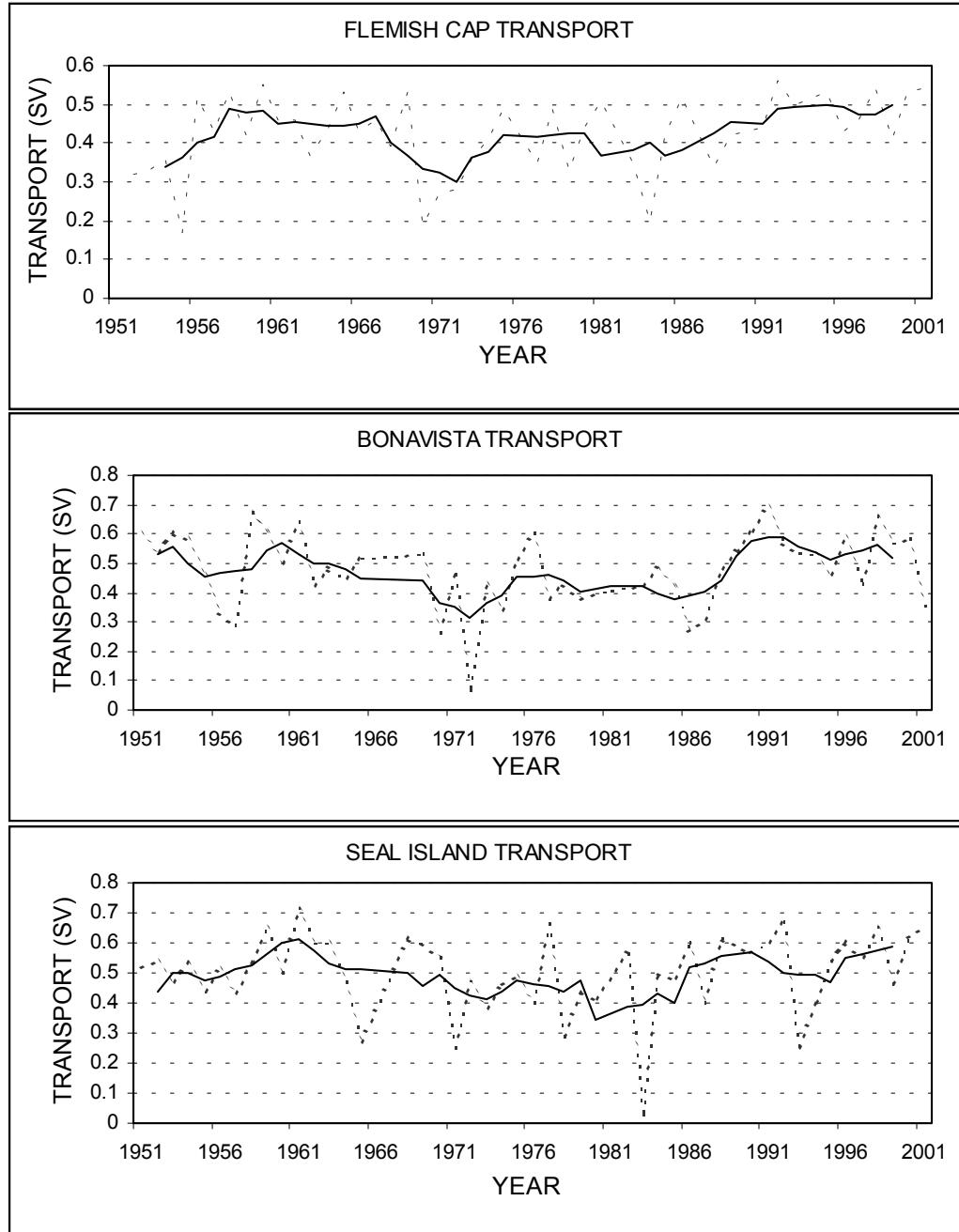


Fig. 23. Time series of geostrophic transport ($10^6 \text{ m}^3/\text{s}$) relative to 130-m depth of the offshore branch of the Labrador Current through the Seal Island, Bonavista and Flemish Cap transects. The heavy line is the 5-year running mean.

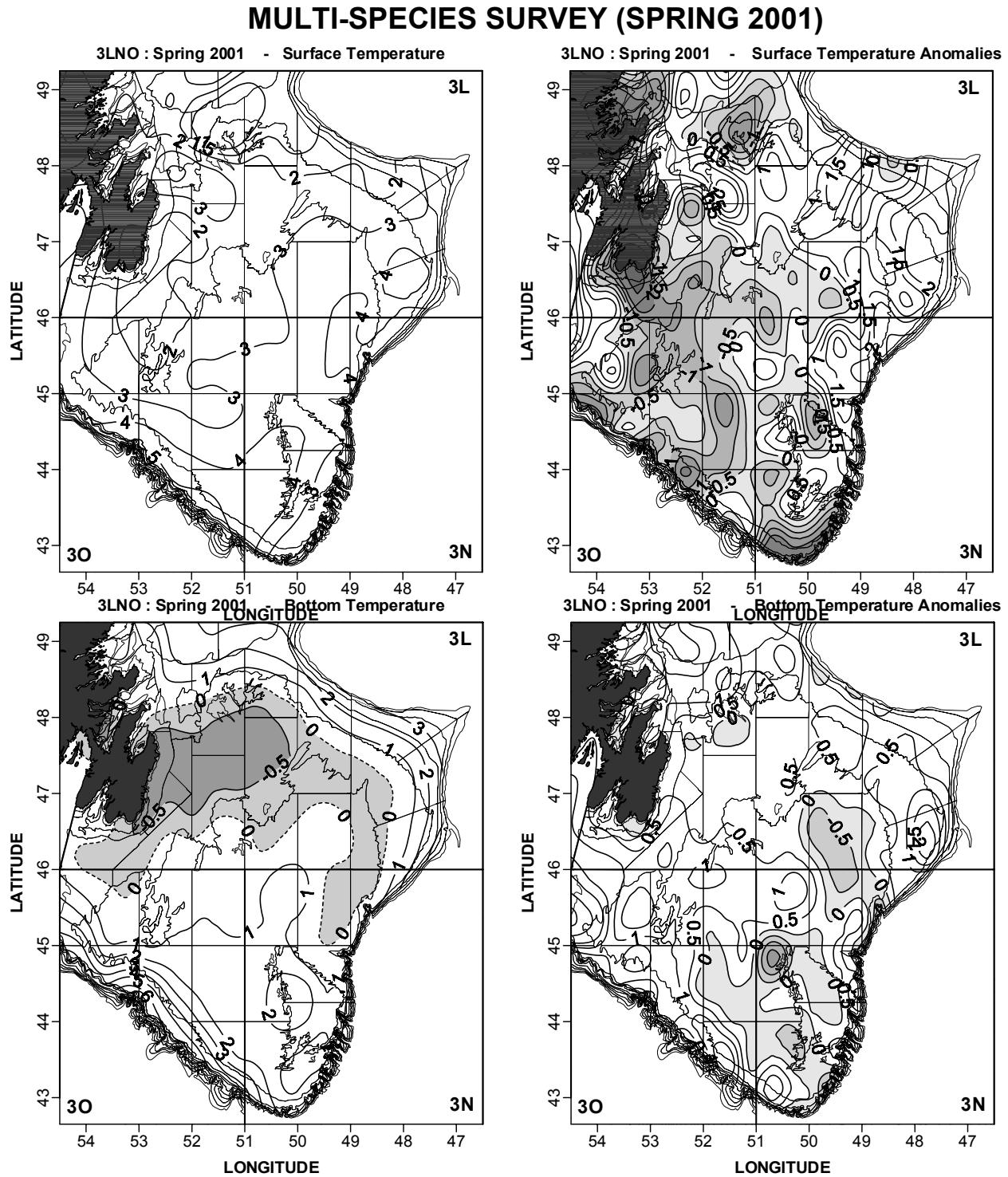


Fig. 24. Contours of surface and bottom temperature and their anomalies (in °C) for the spring of 2001 from the multi-species survey of NAFO Divs. 3LNO.