

Appendix B

Mean Monthly Sea Level Pressure, Air Temperature, and 700-mb Height

Note that although anticyclonic flow dominates the Arctic area, cyclonic activity can occur during any month. Appendix B contains monthly charts of mean sea level pressure (mb), mean surface air temperature (°C), and mean heights of the 700-mb pressure surface. The sea level pressure charts (Figs. B-1 through B-13) were derived from drifting buoy data collected from 1979 to 1985 while the air temperature data (Figs. B-14 through B-25) were compiled from several sources, some with data records as long as 60 years. These charts were developed by the Applied Physics Laboratory, University of Washington. The pressure surface charts (Figs. B-26 through B-37), taken from Wahl and Lahey (1969), show data for the 5 days closest to the middle of each month. The original publication included 5-day charts for the entire year.

JANUARY

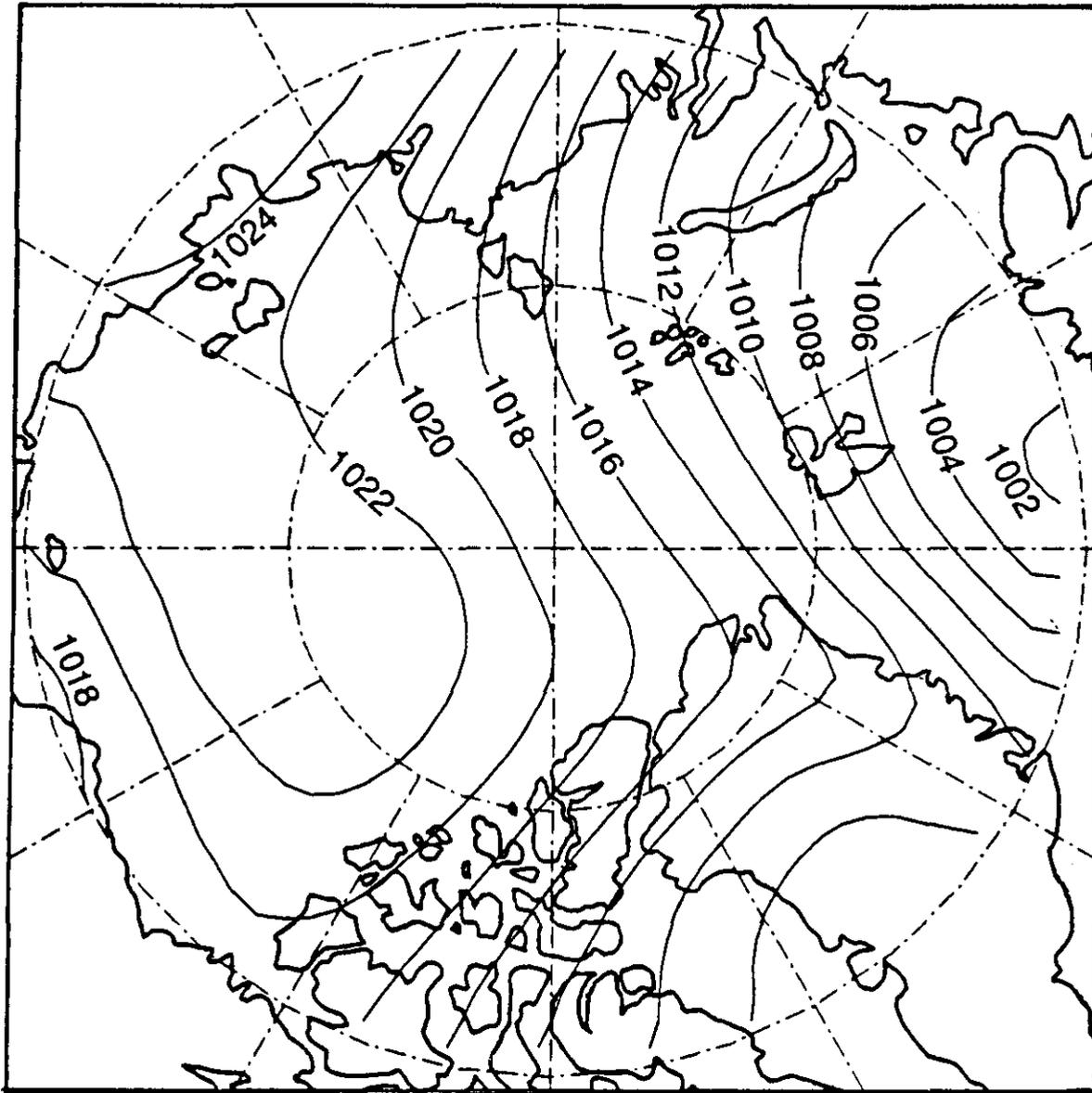


Figure B-1. Mean Sea Level Pressure (mb) for January.

FEBRUARY

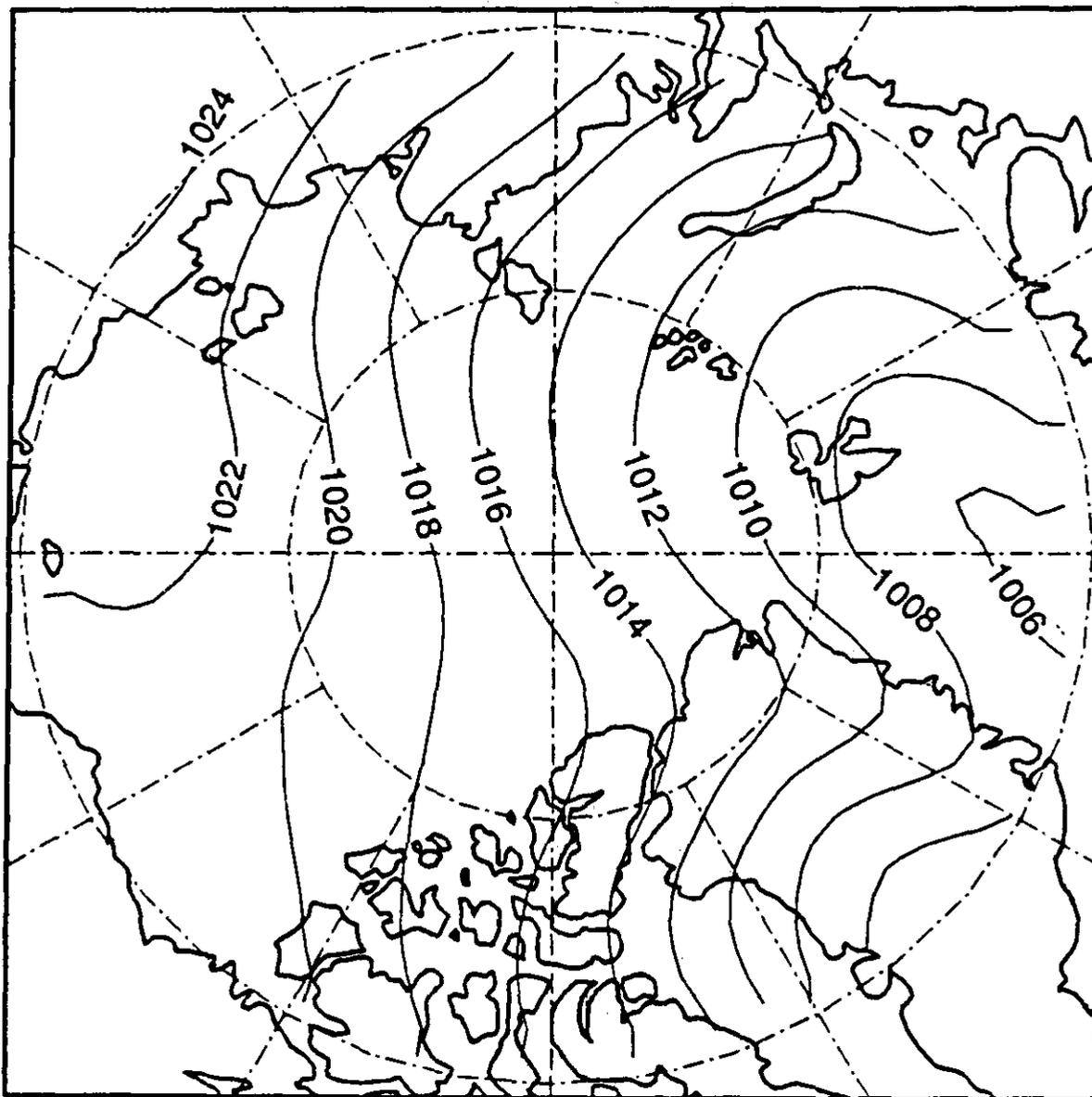


Figure B-2. Mean Sea Level Pressure (mb) for February.

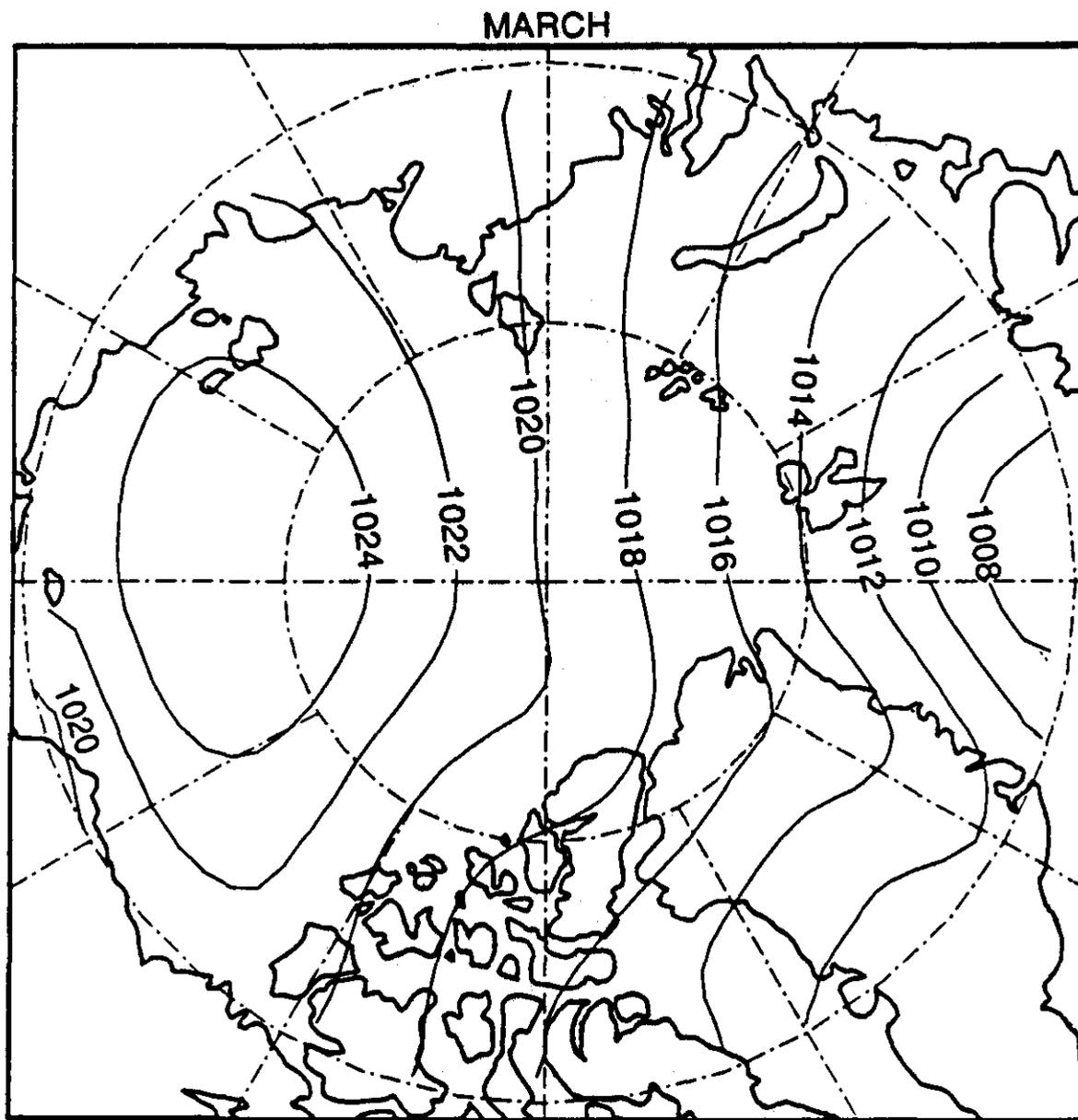


Figure B-3. Mean Sea Level Pressure (mb) for March.

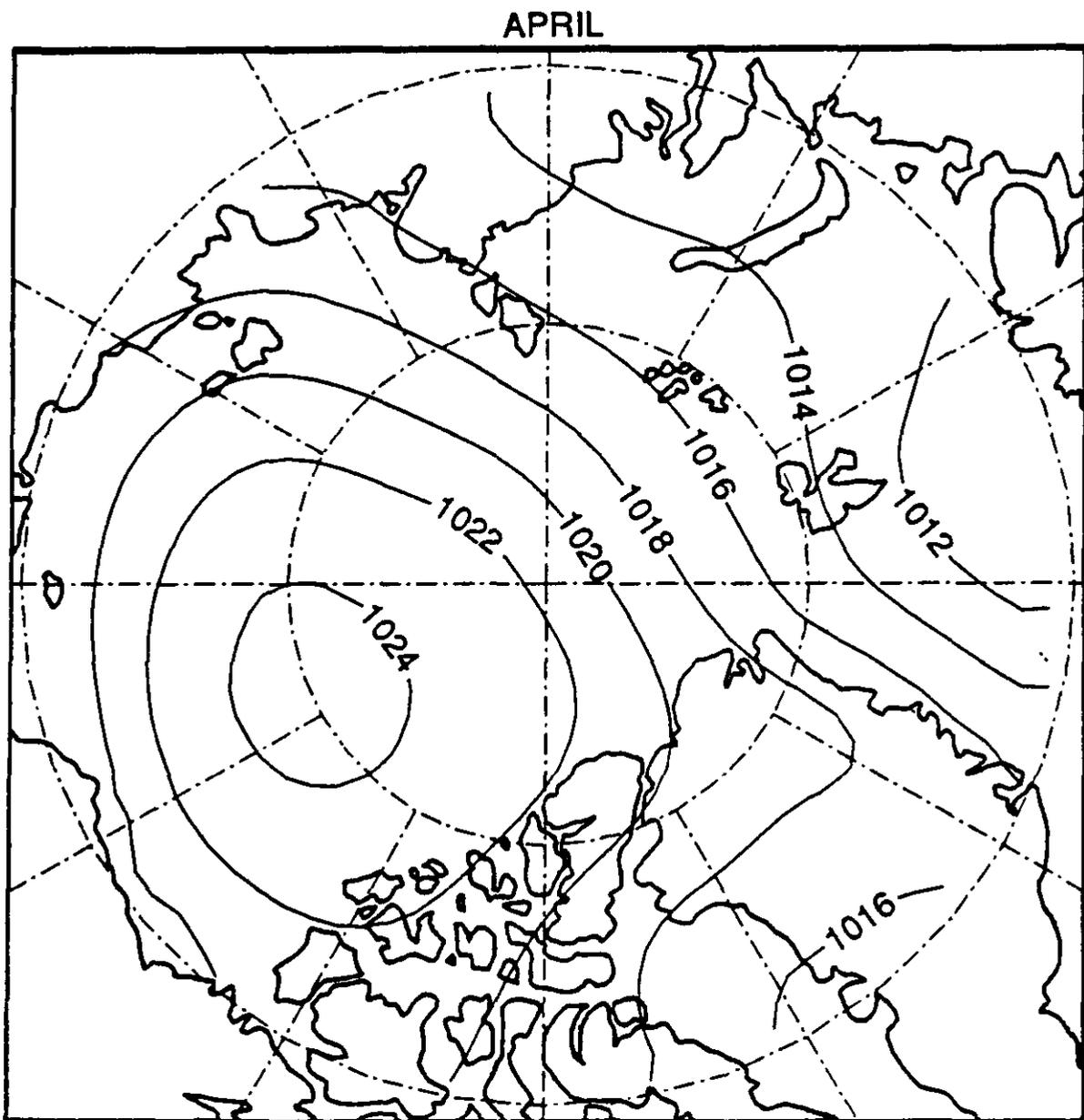


Figure B-4. Mean Sea Level Pressure (mb) for April.

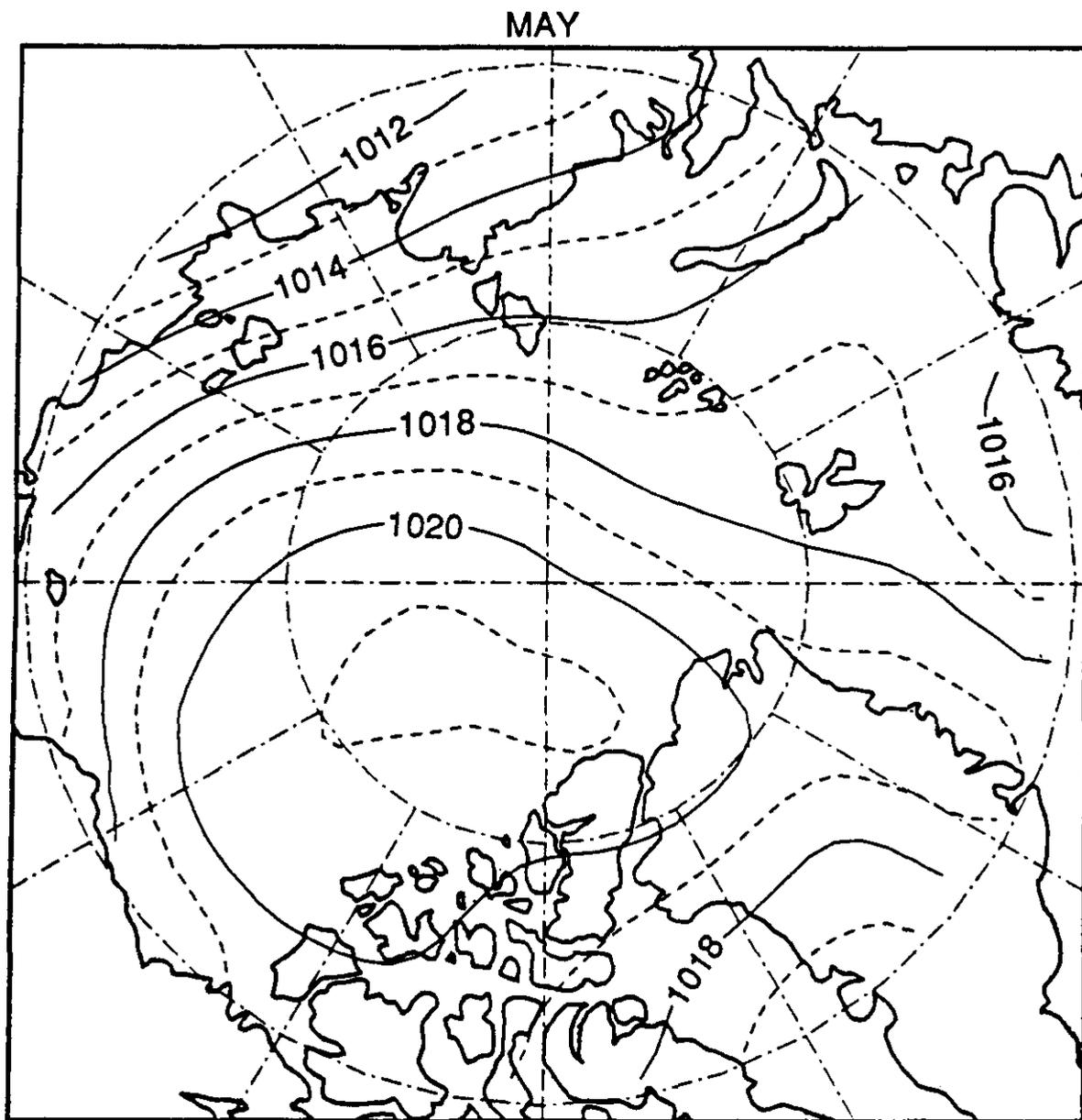


Figure B-5. Mean Sea Level Pressure (mb) for May.

JUNE

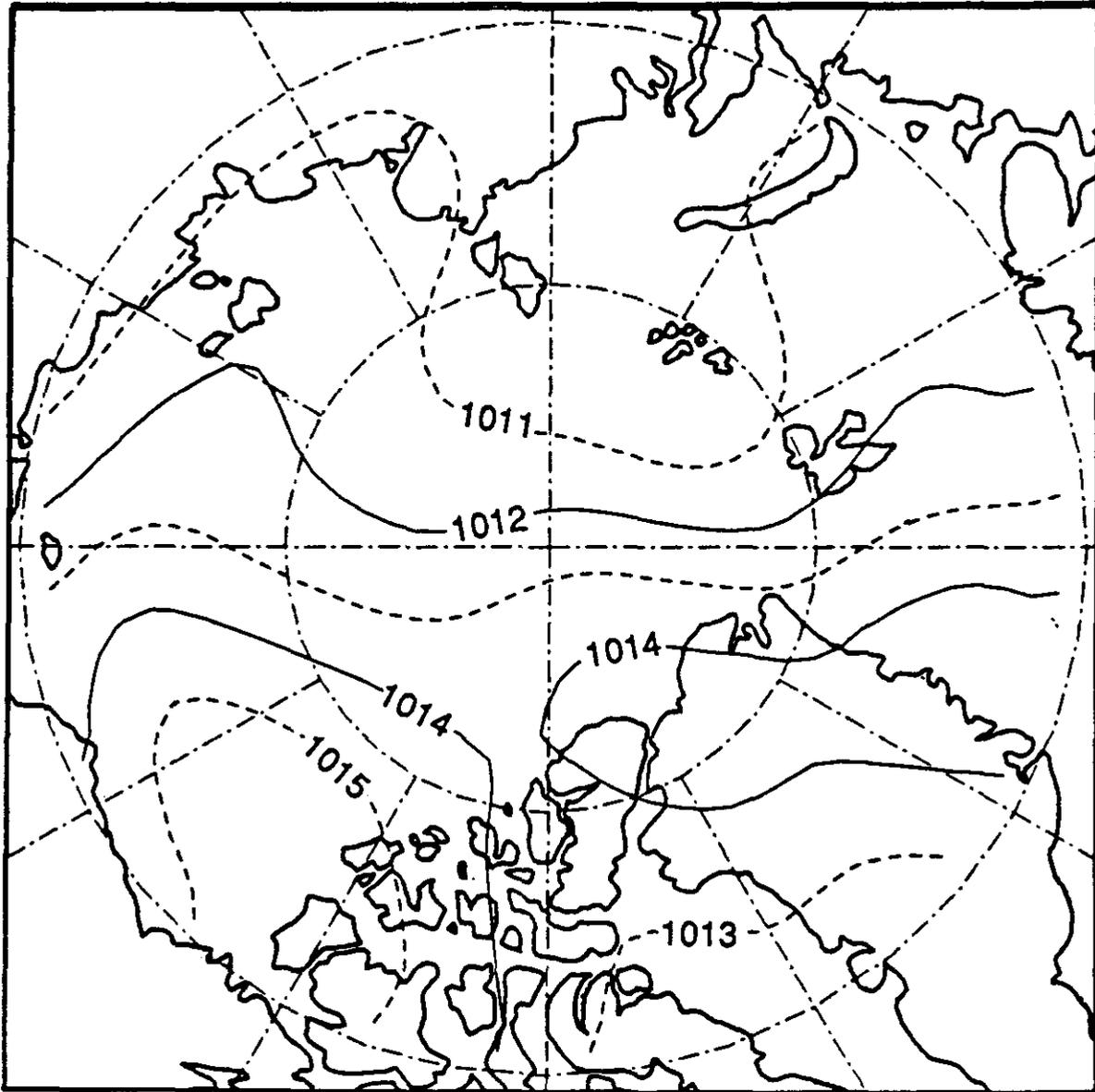


Figure B-6. Mean Sea Level Pressure (mb) for June.

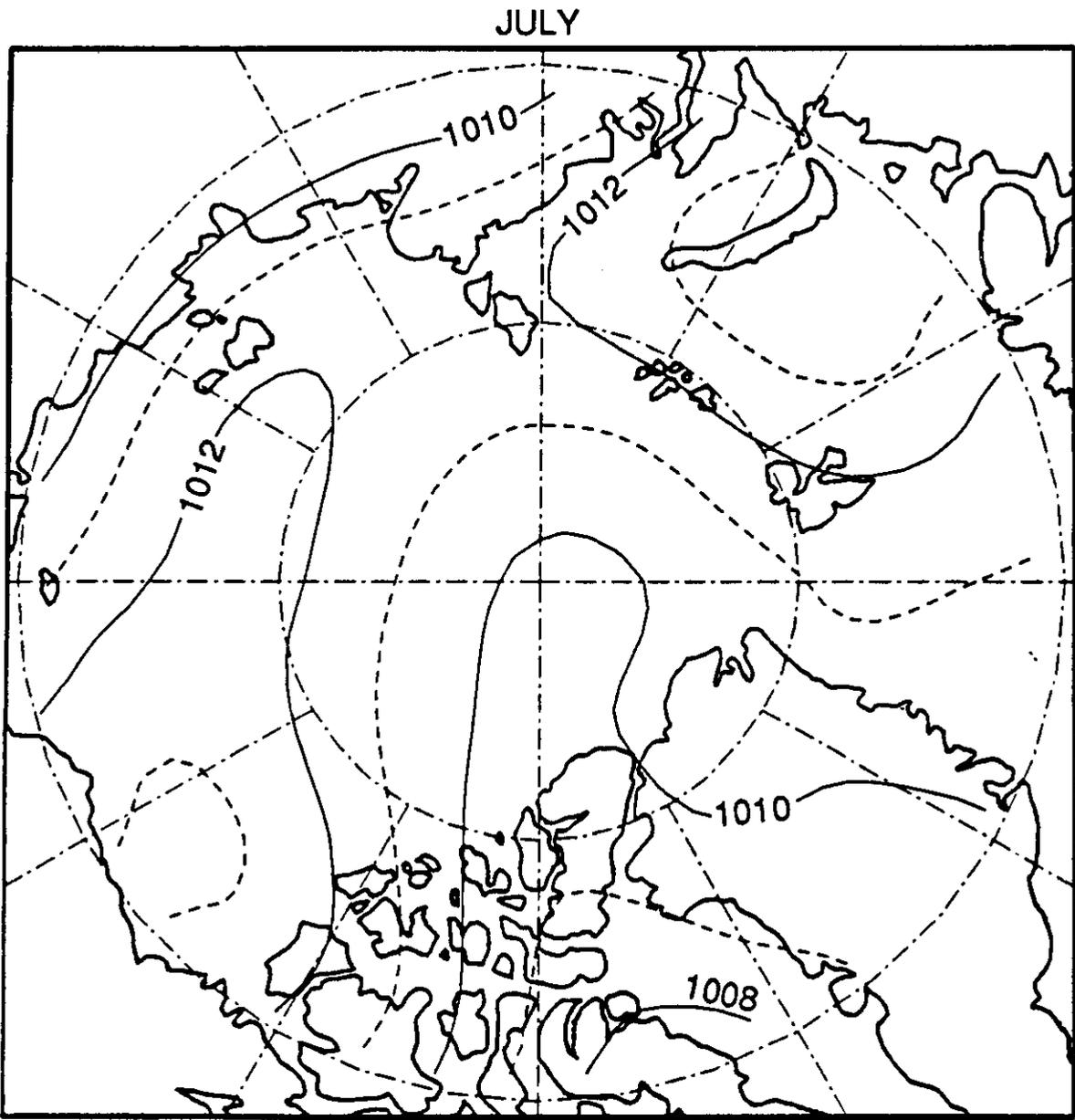


Figure B-7. Mean Sea Level Pressure (mb) for July.

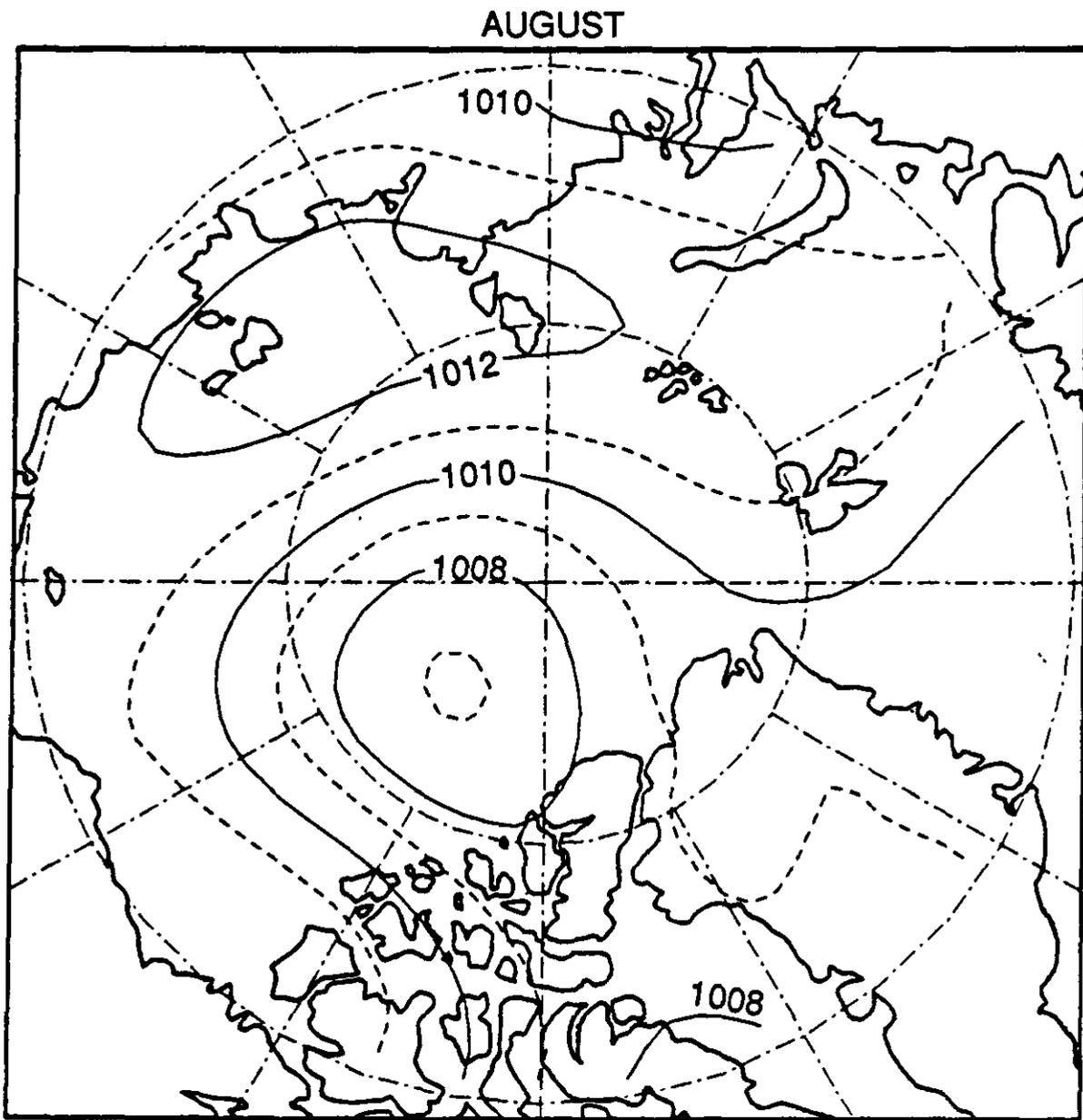


Figure B-8. Mean Sea Level Pressure (mb) for August.

SEPTEMBER

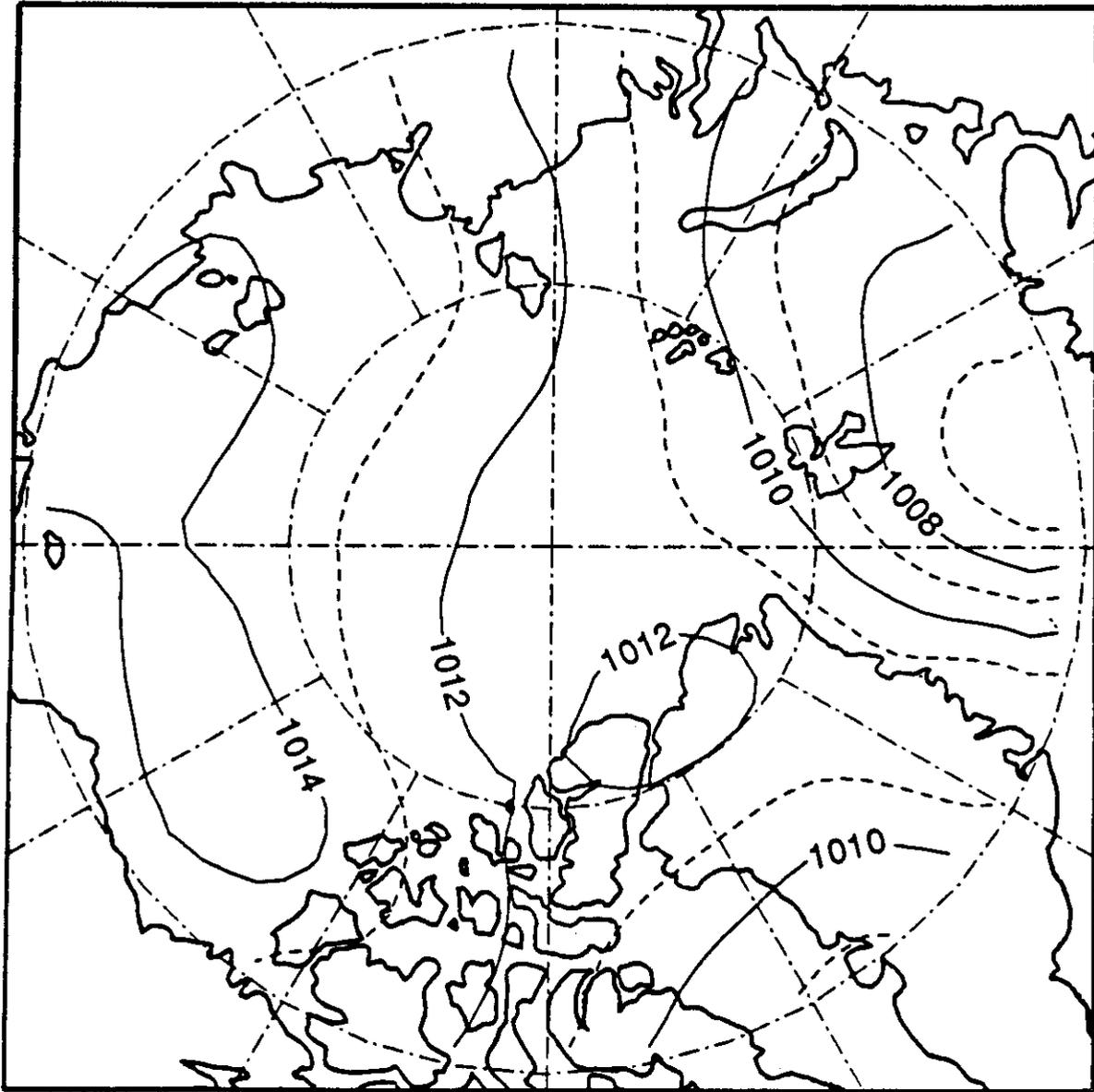


Figure B-9. Mean Sea Level Pressure (mb) for September.

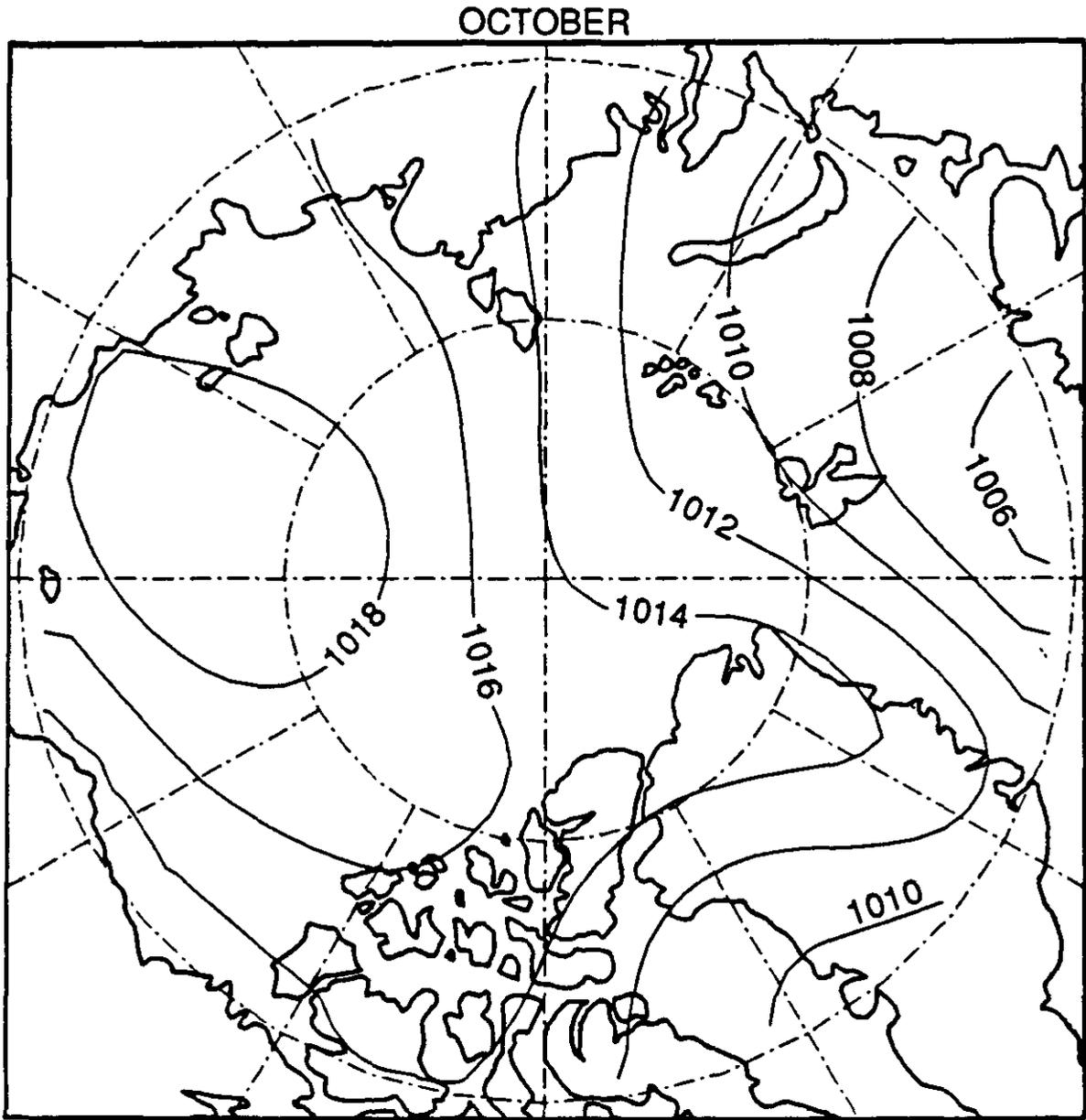


Figure B-10. Mean Sea Level Pressure (mb) for October.

NOVEMBER

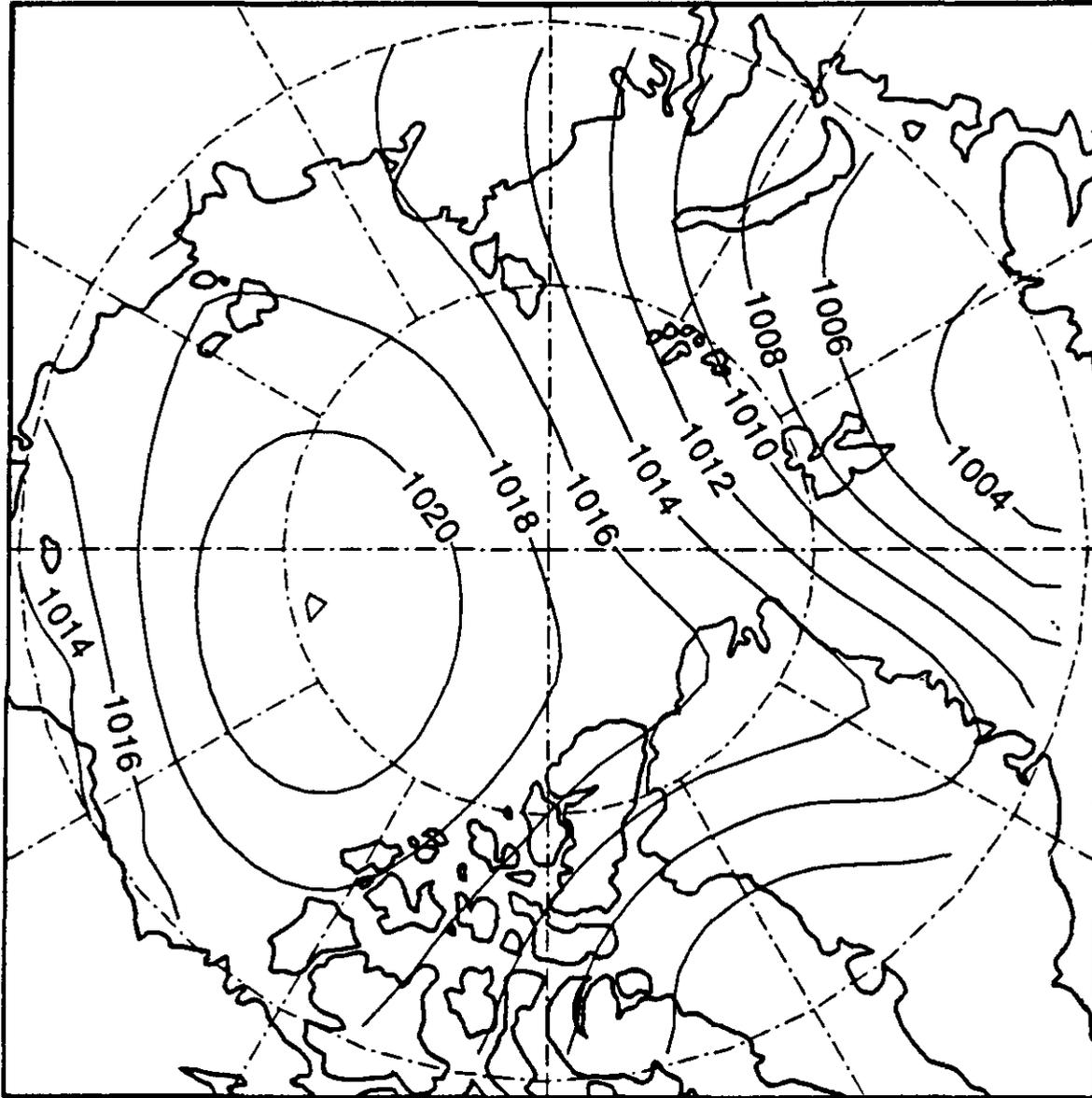


Figure B-11. Mean Sea Level Pressure (mb) for November.

DECEMBER

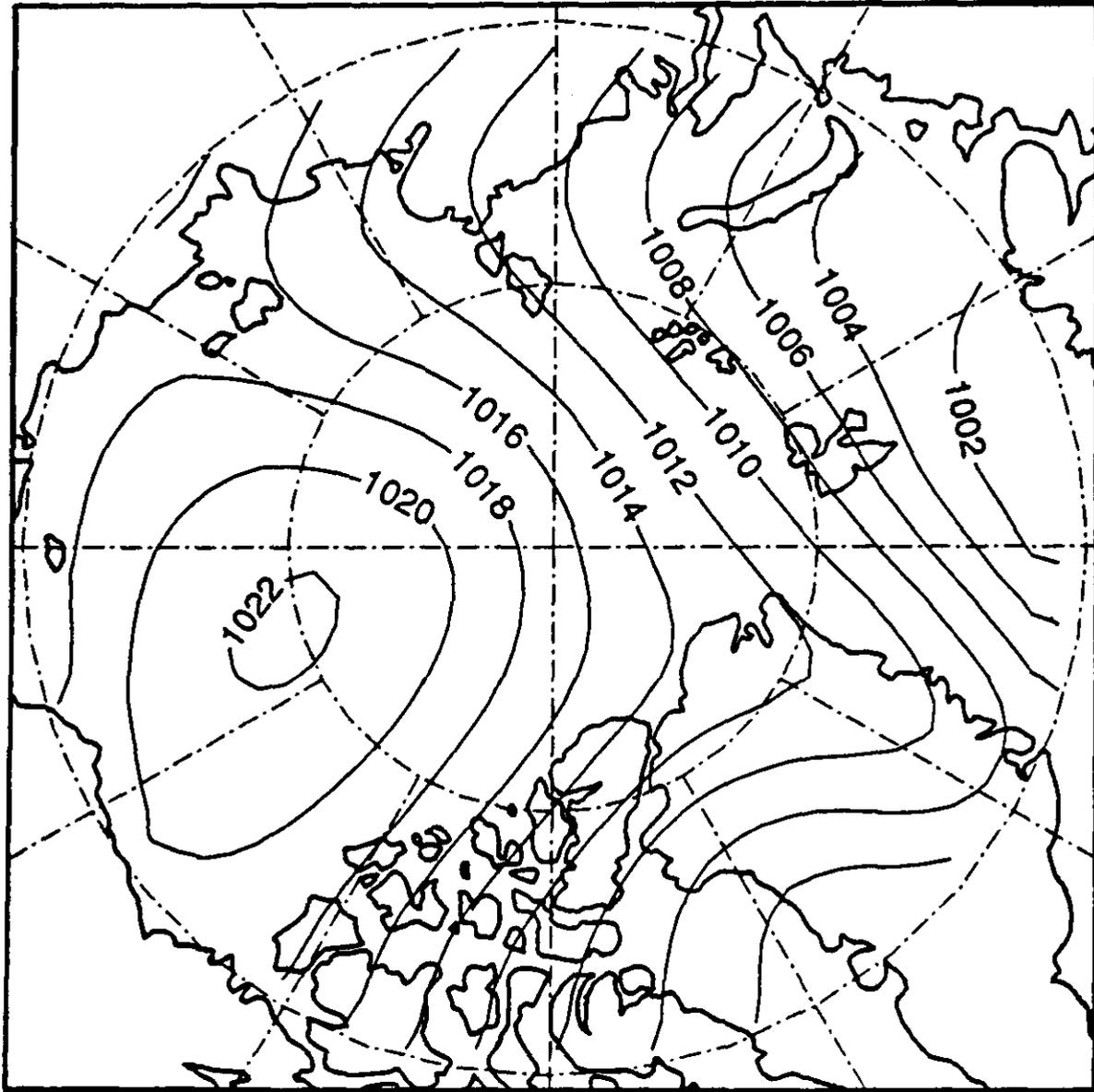


Figure B-12. Mean Sea Level Pressure (mb) for December.

ANNUAL

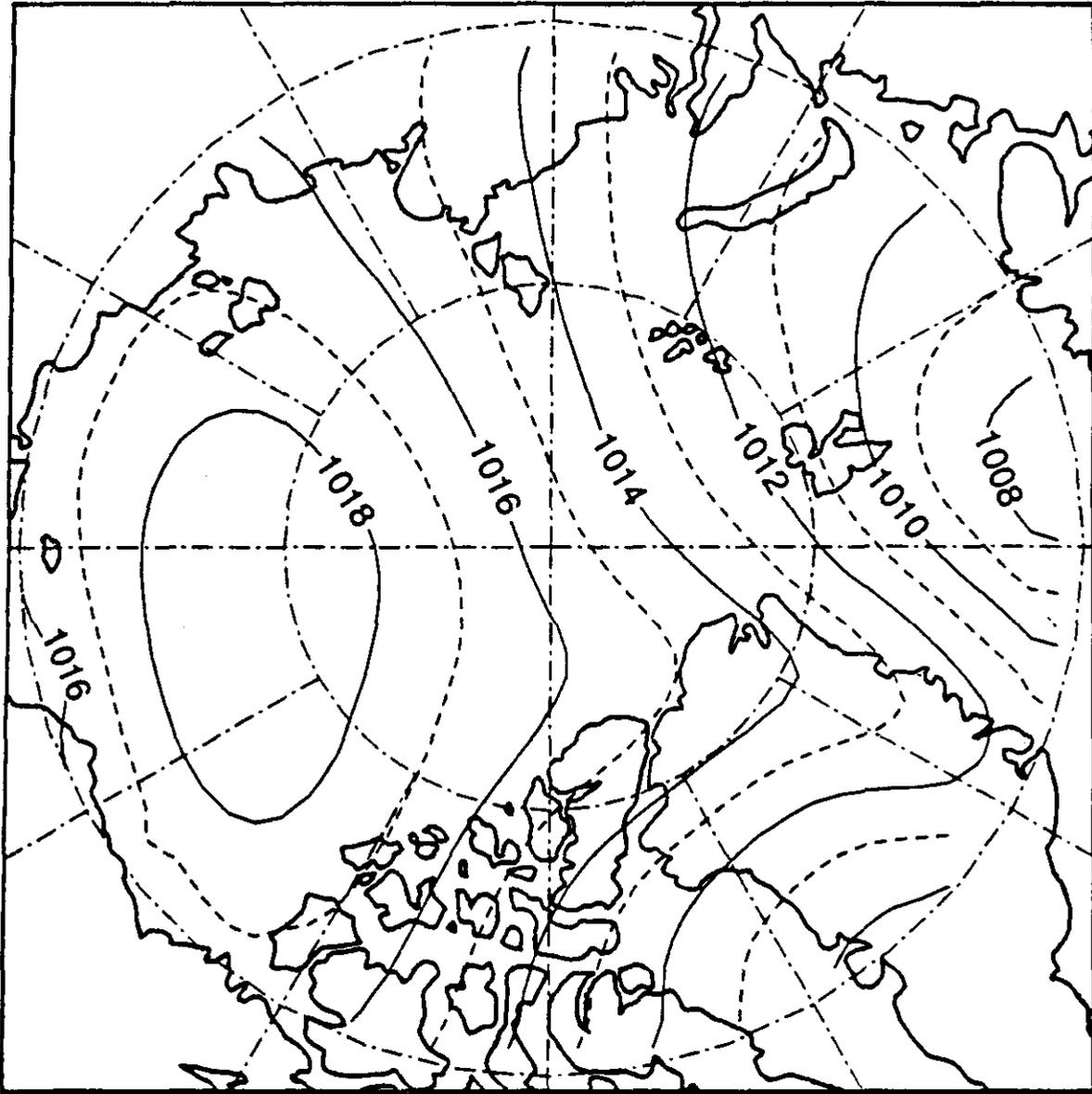


Figure B-13. Annual Mean Sea Level Pressure (mb).

JANUARY

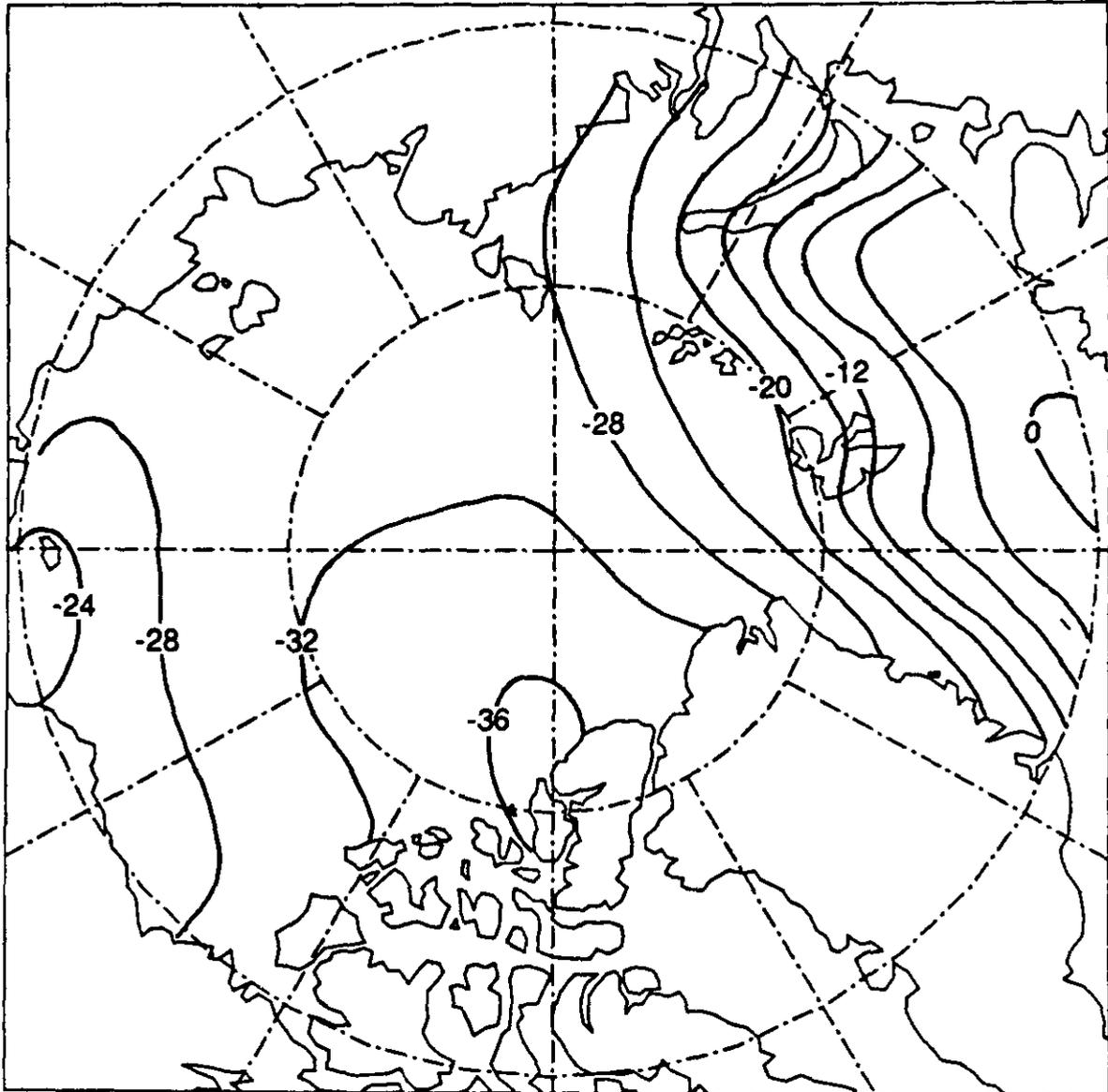


Figure B-14. Mean Surface Air Temperature (°C) for January.

FEBRUARY

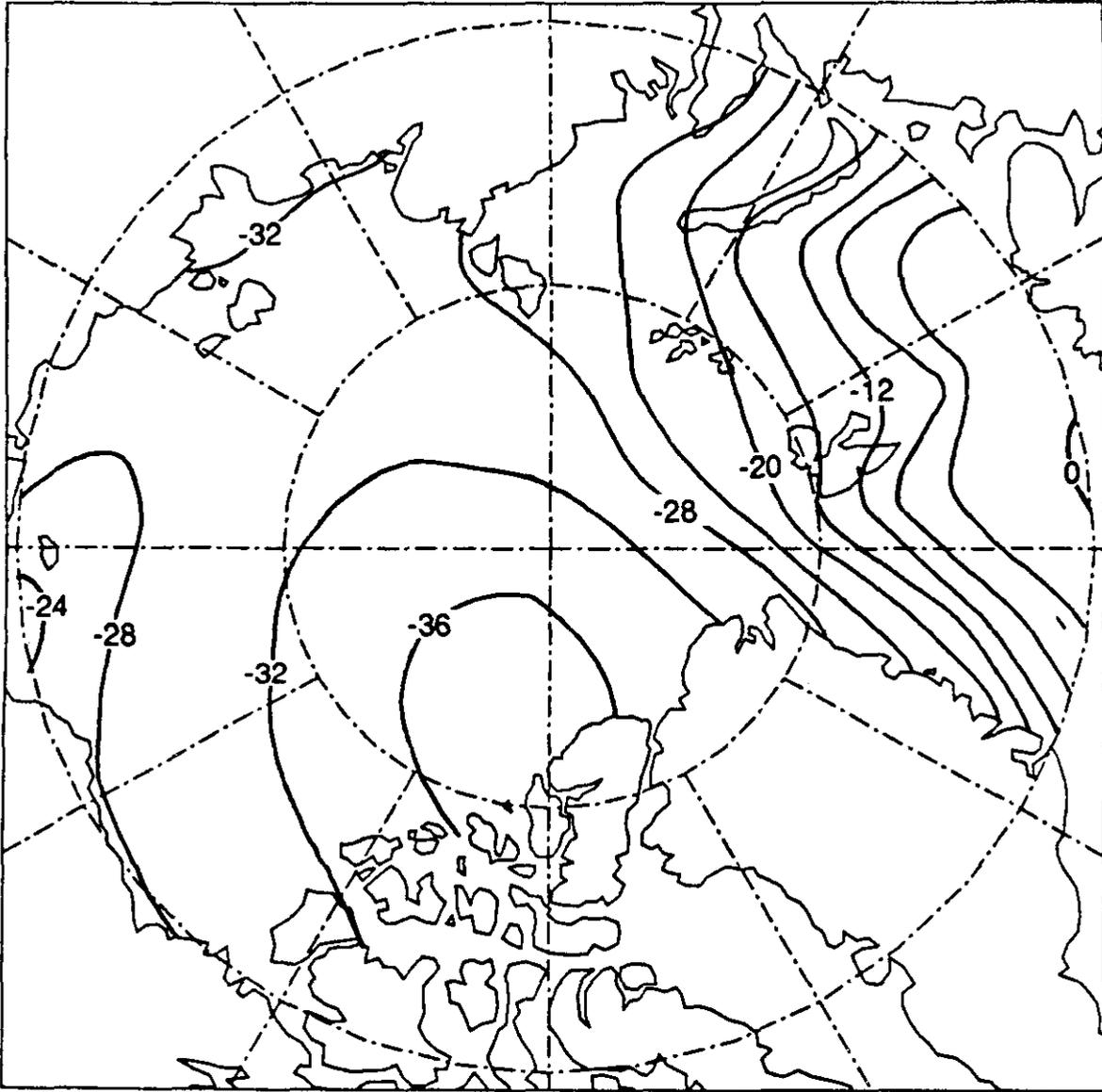


Figure B-15. Mean Surface Air Temperature (°C) for February.

MARCH

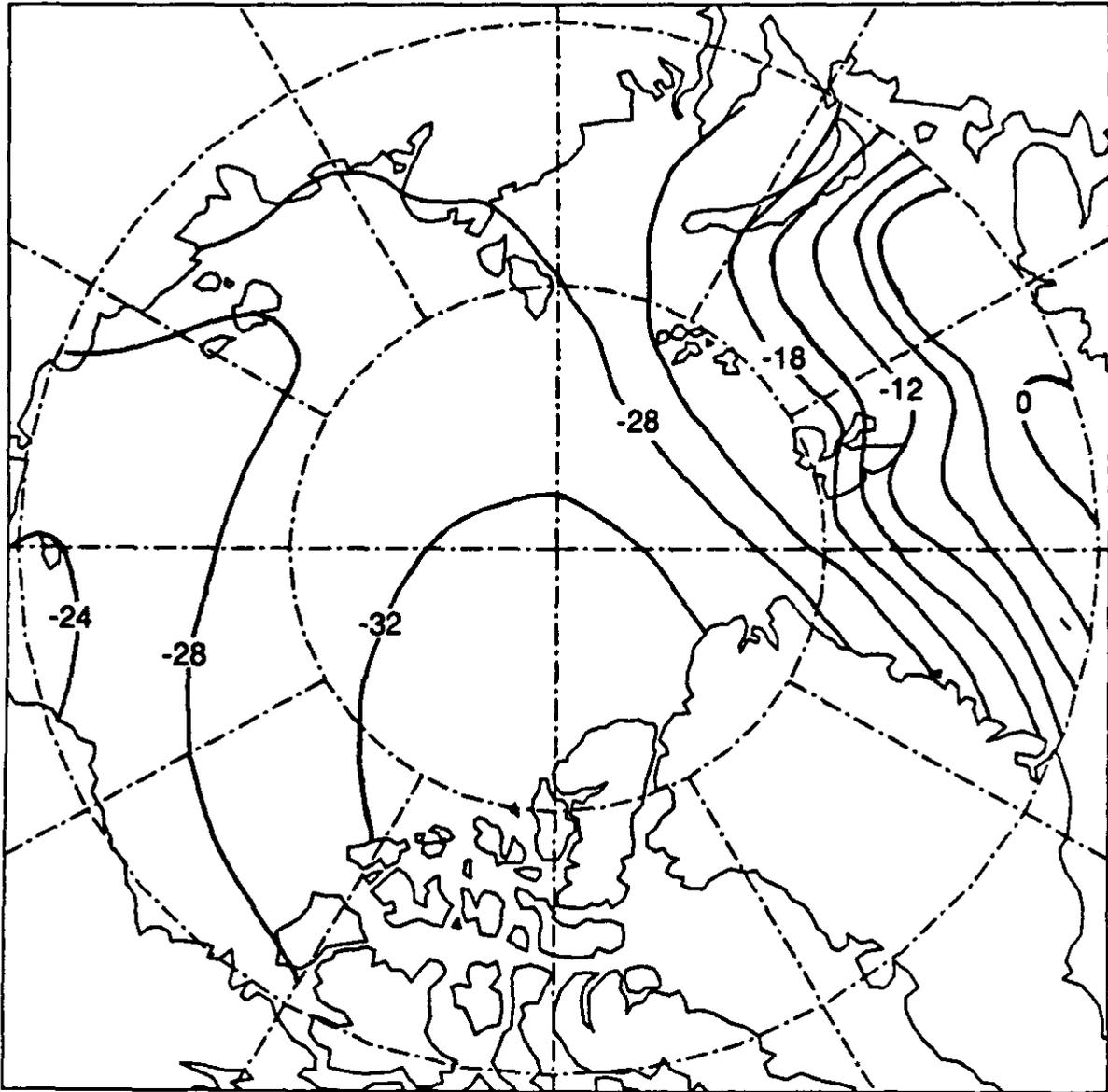


Figure B-16. Mean Surface Air Temperature (°C) for March.

APRIL

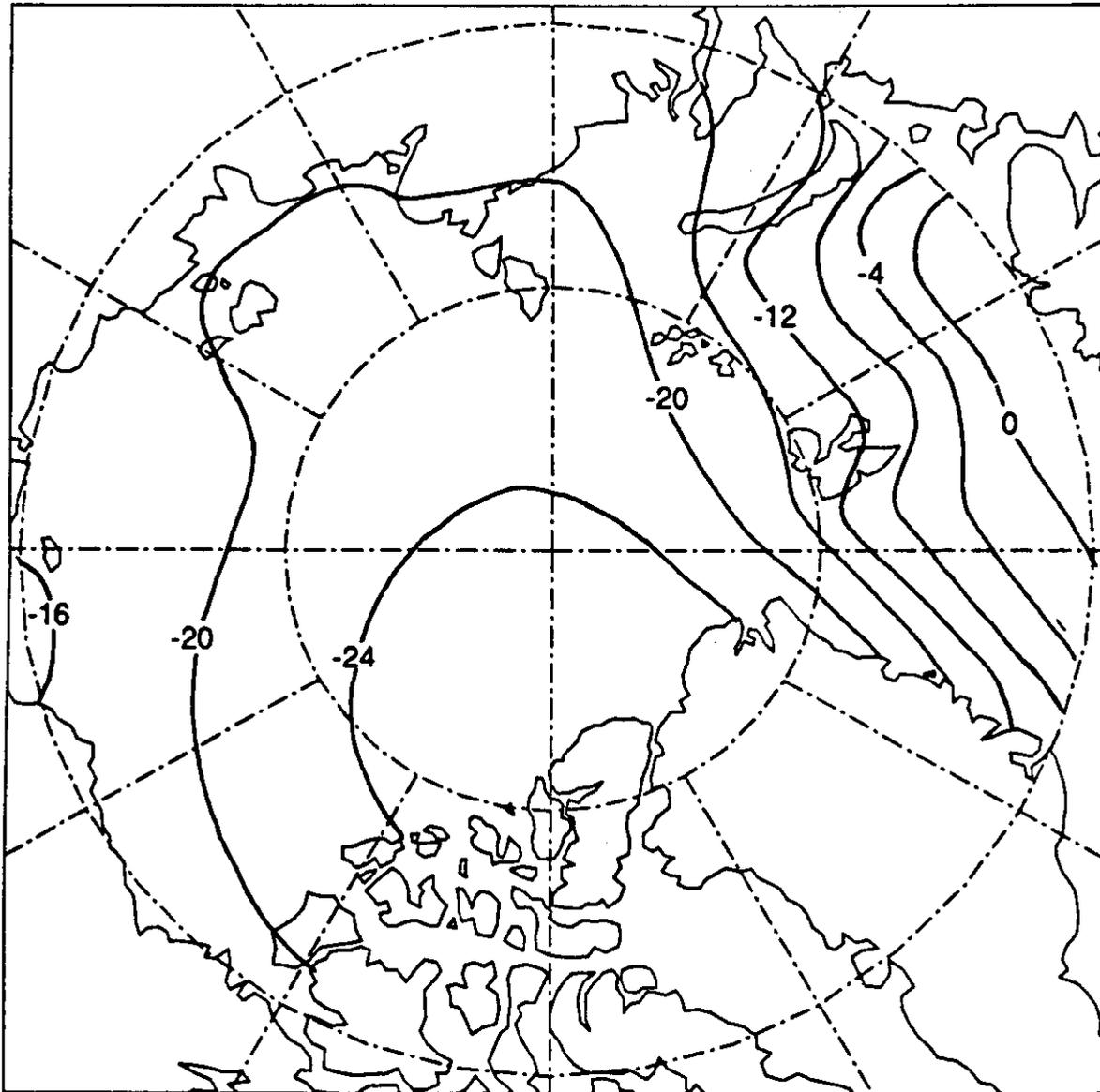


Figure B-17. Mean Surface Air Temperature (°C) for April.

MAY

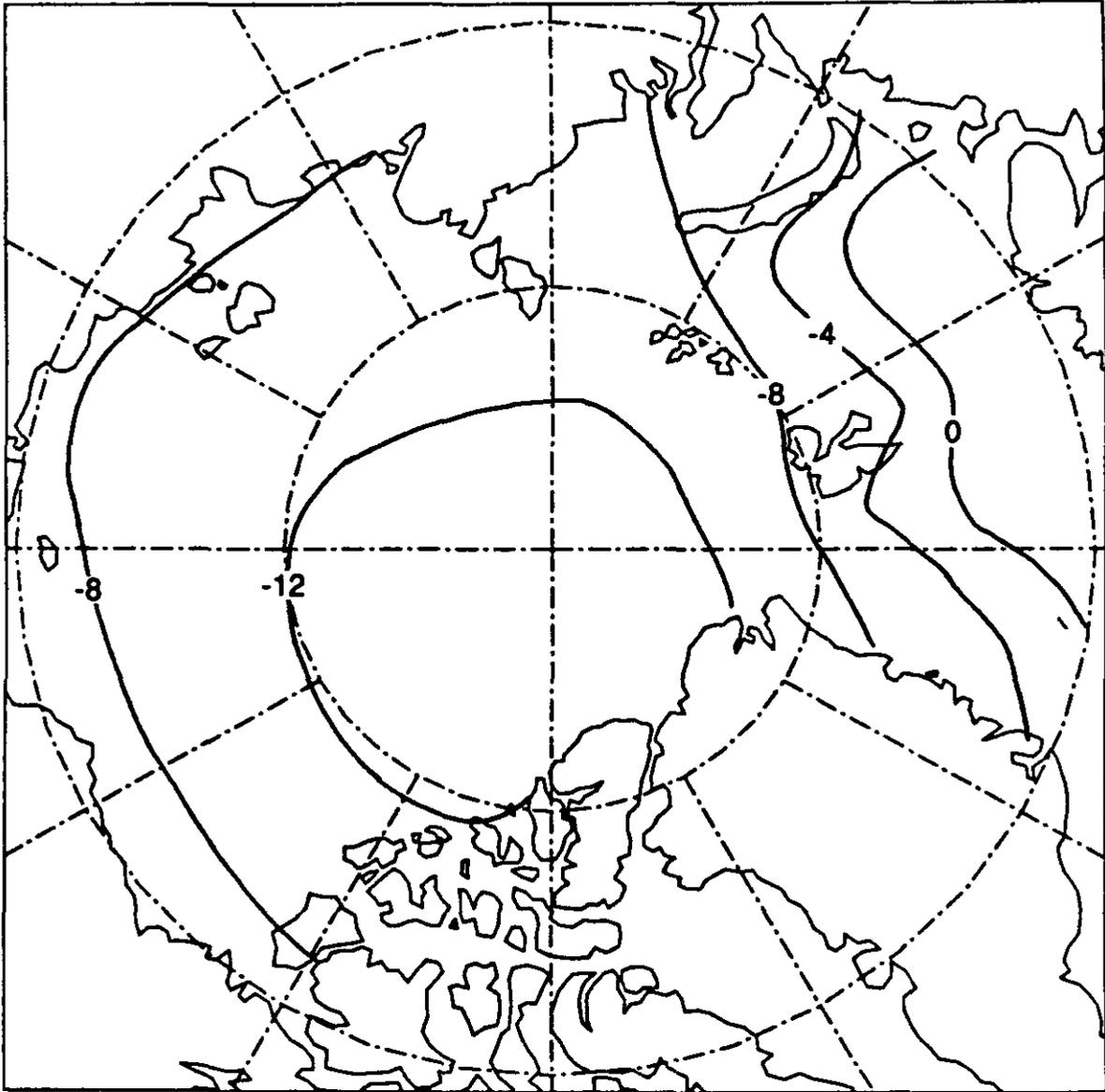


Figure B-18. Mean Surface Air Temperature (°C) for May.

JUNE

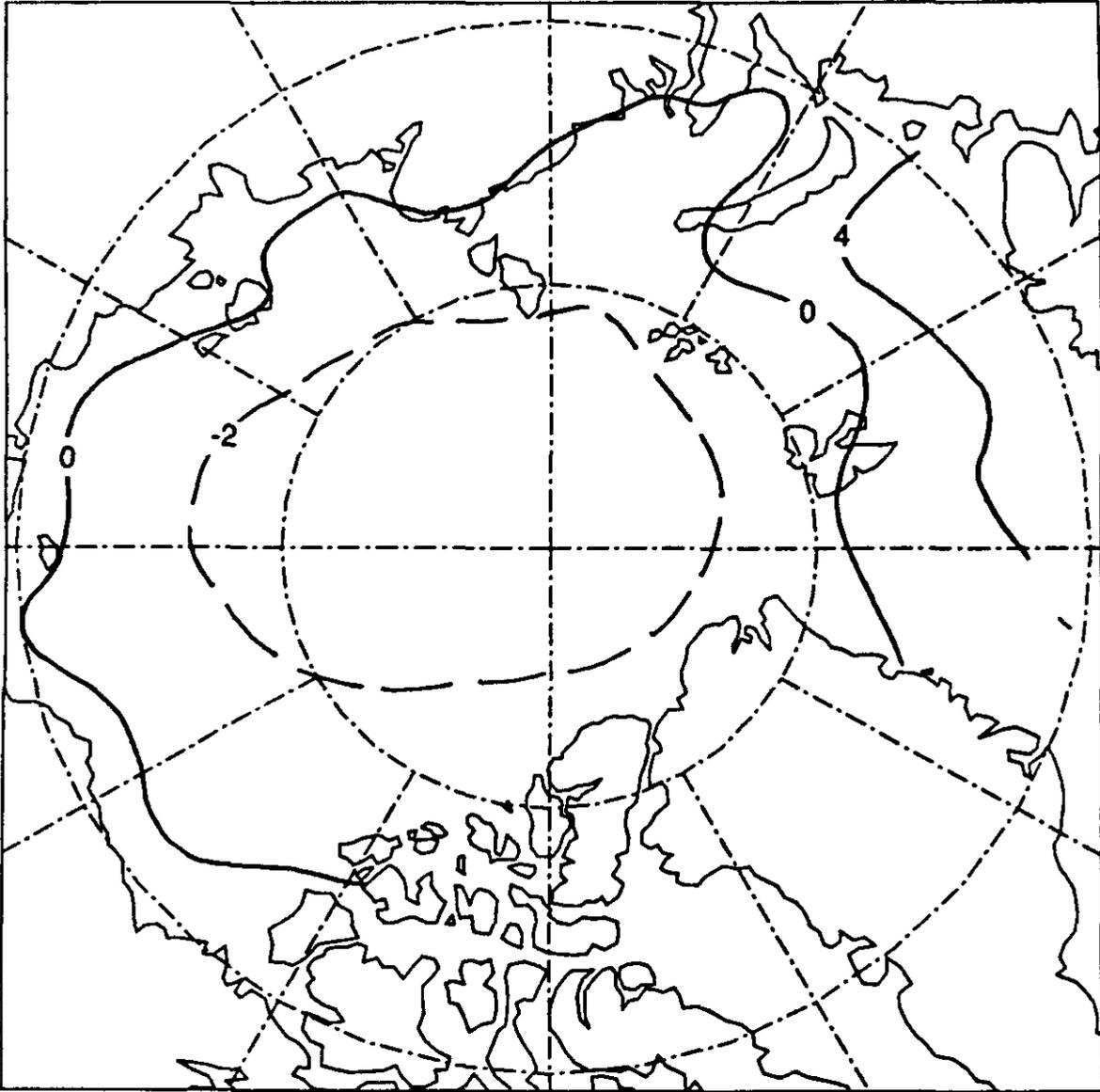


Figure B-19. Mean Surface Air Temperature (°C) for June.

JULY

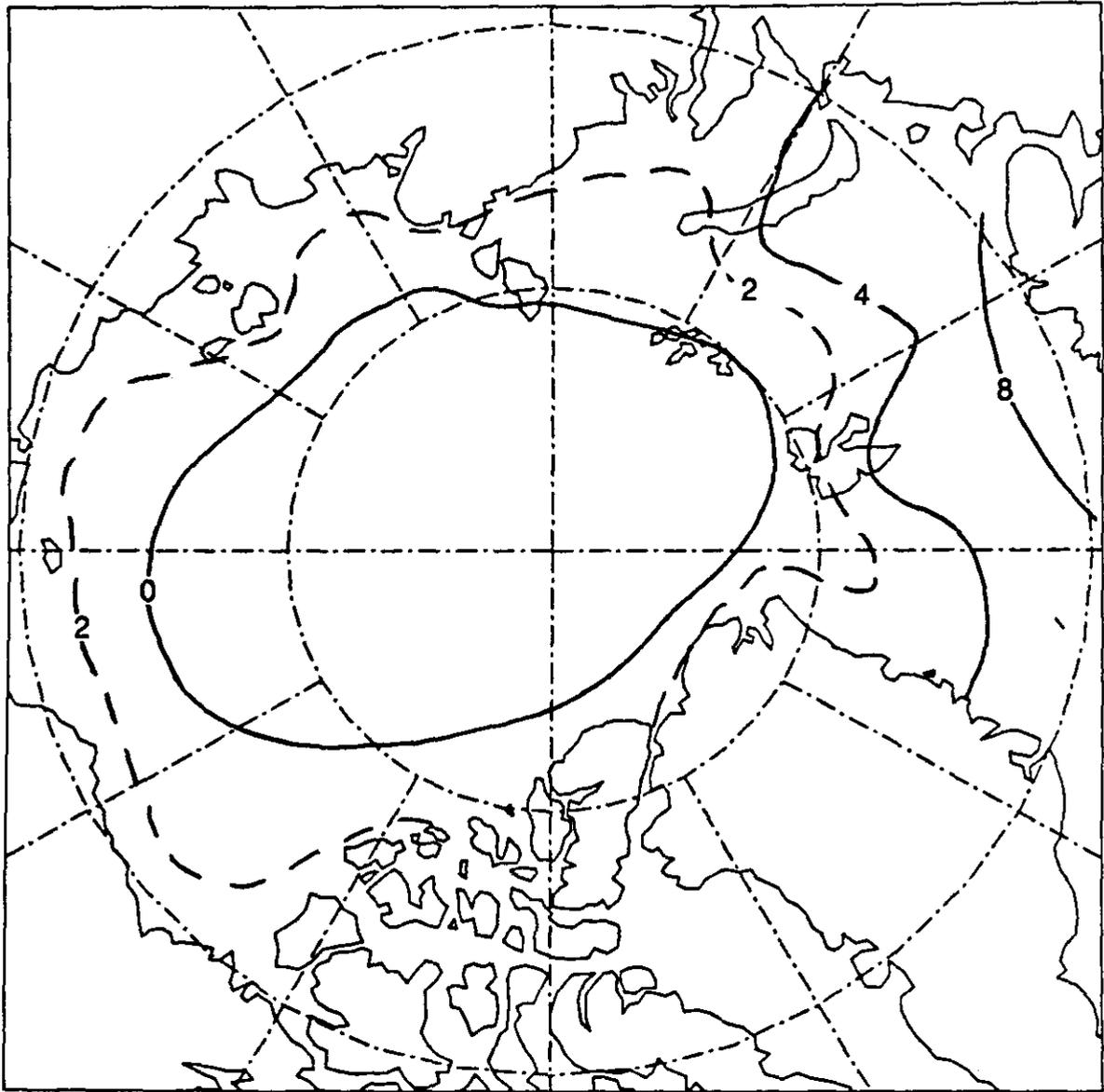


Figure B-20. Mean Surface Air Temperature (°C) for July.

AUGUST

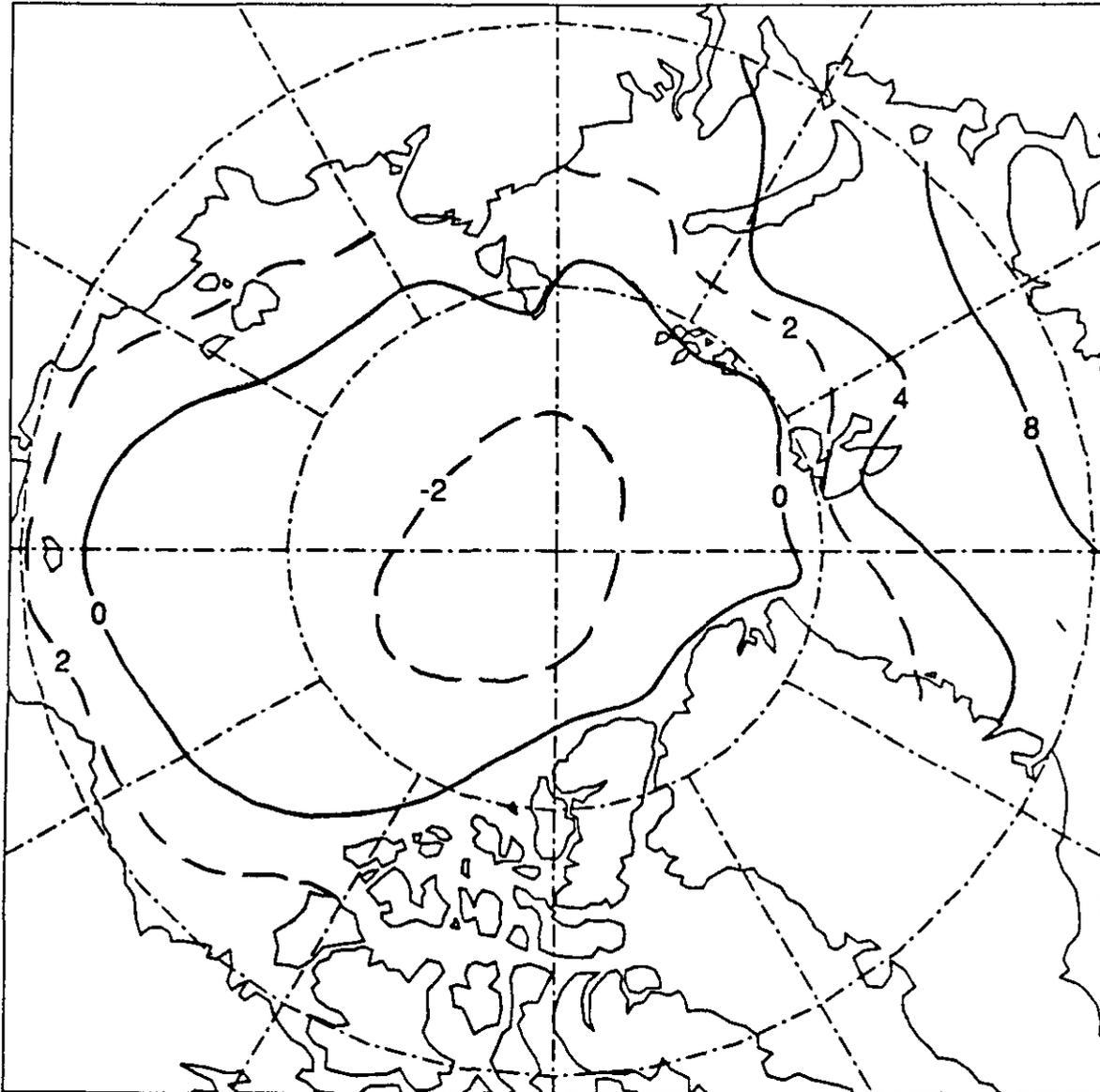


Figure B-21. Mean Surface Air Temperature ($^{\circ}\text{C}$) for August.

SEPTEMBER

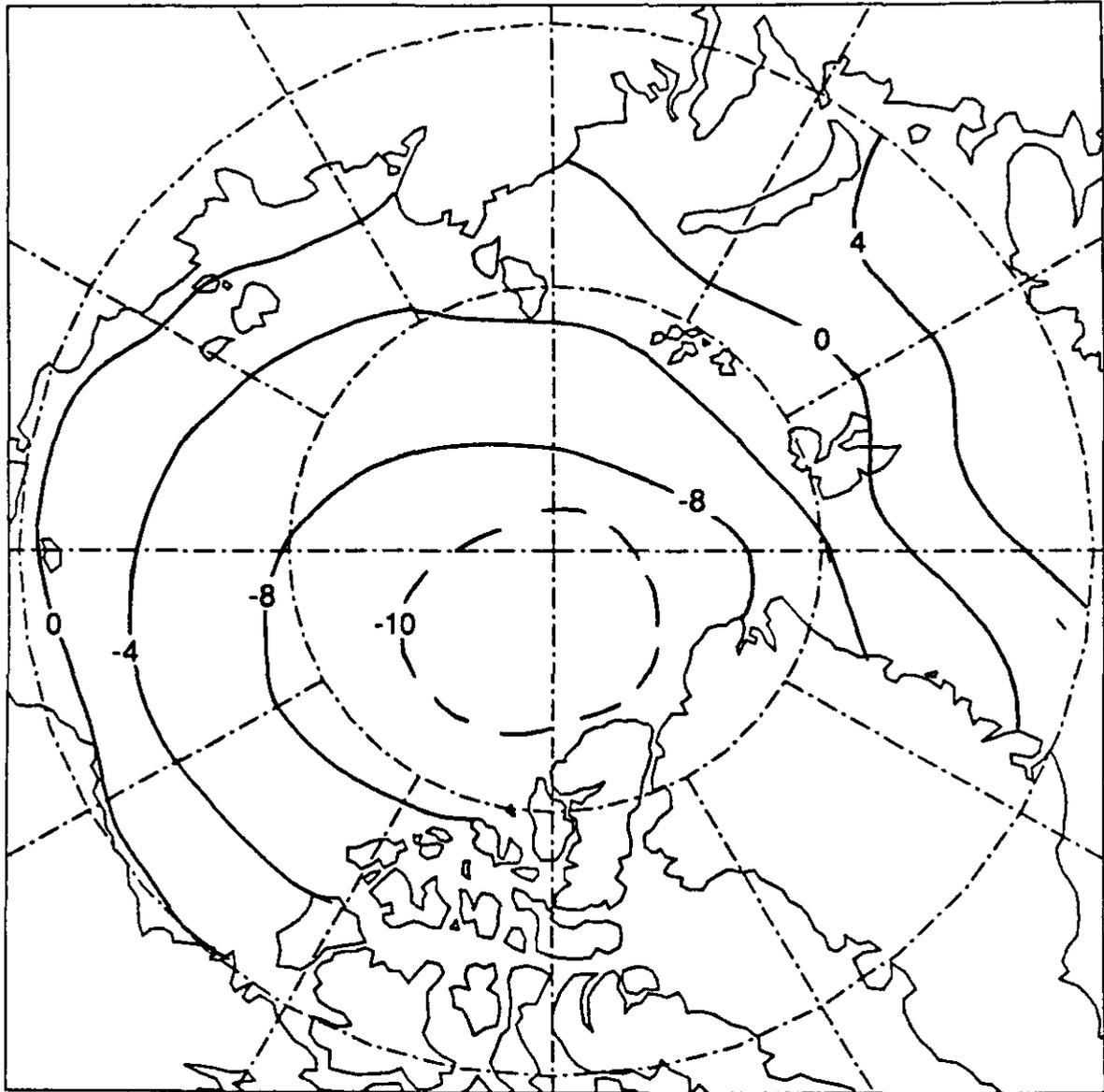


Figure B-22. Mean Surface Air Temperature (°C) for September.

OCTOBER

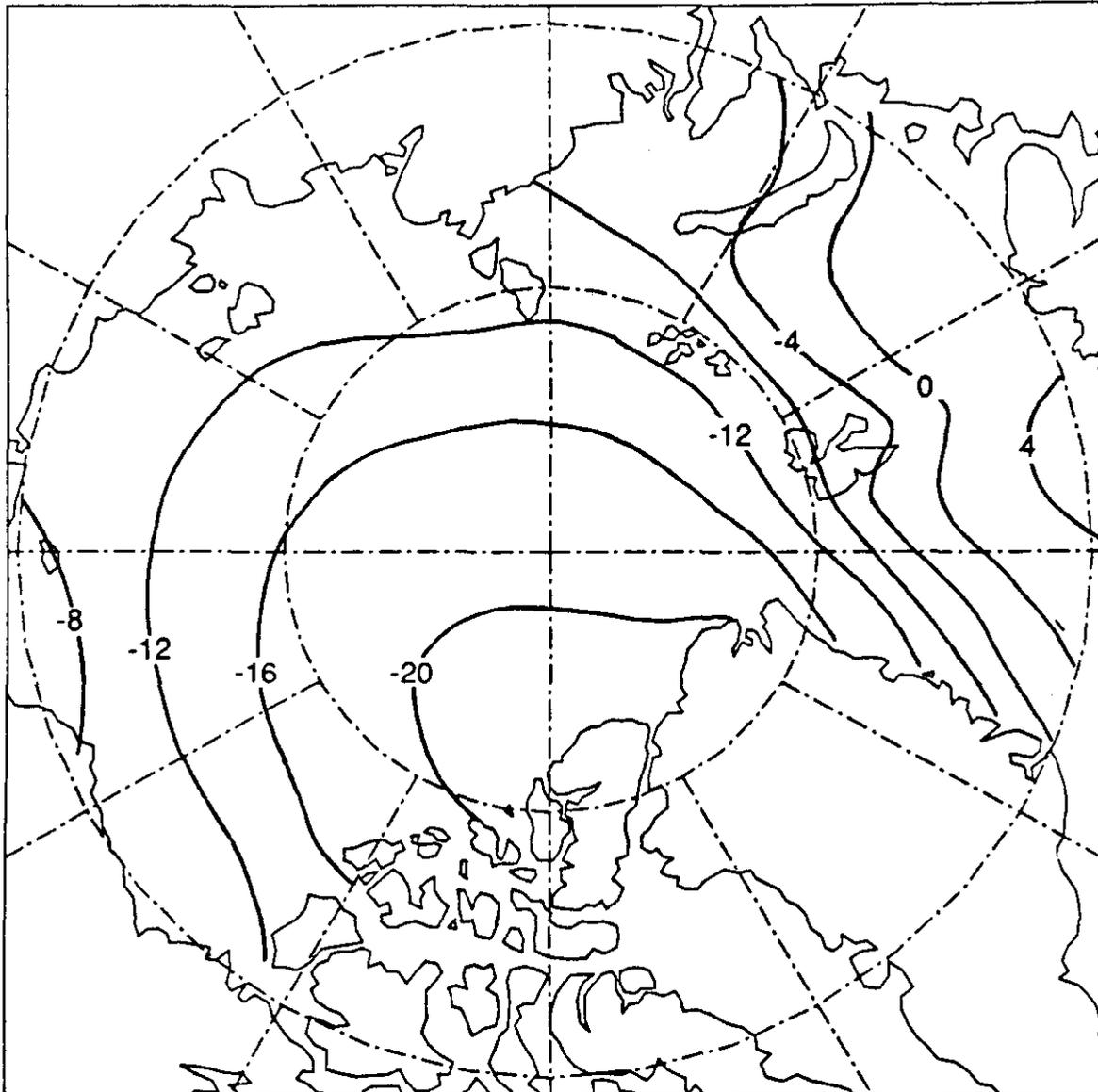


Figure B-23. Mean Surface Air Temperature (°C) for October.

NOVEMBER

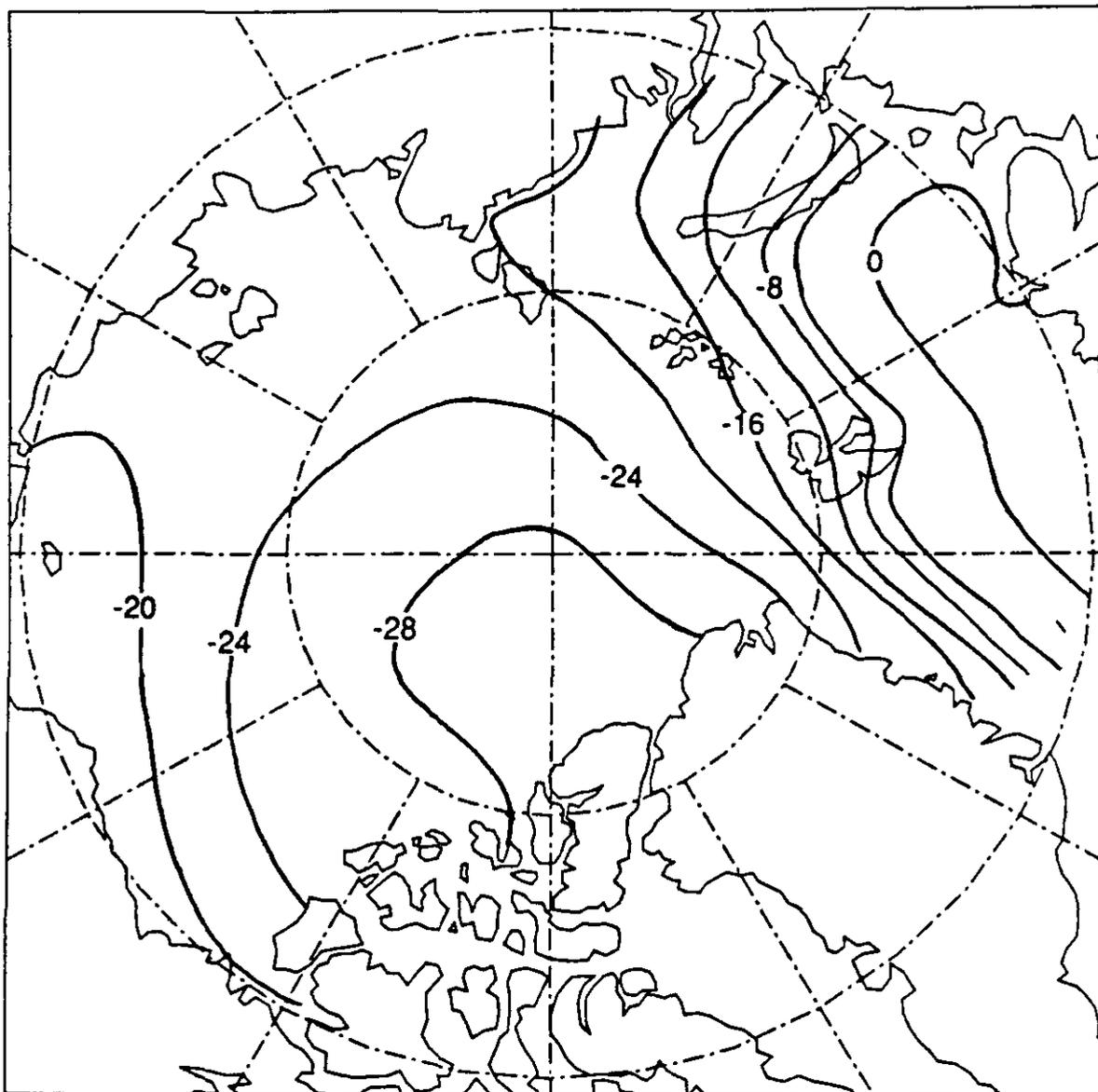


Figure B-24. Mean Surface Air Temperature (°C) for November.

DECEMBER

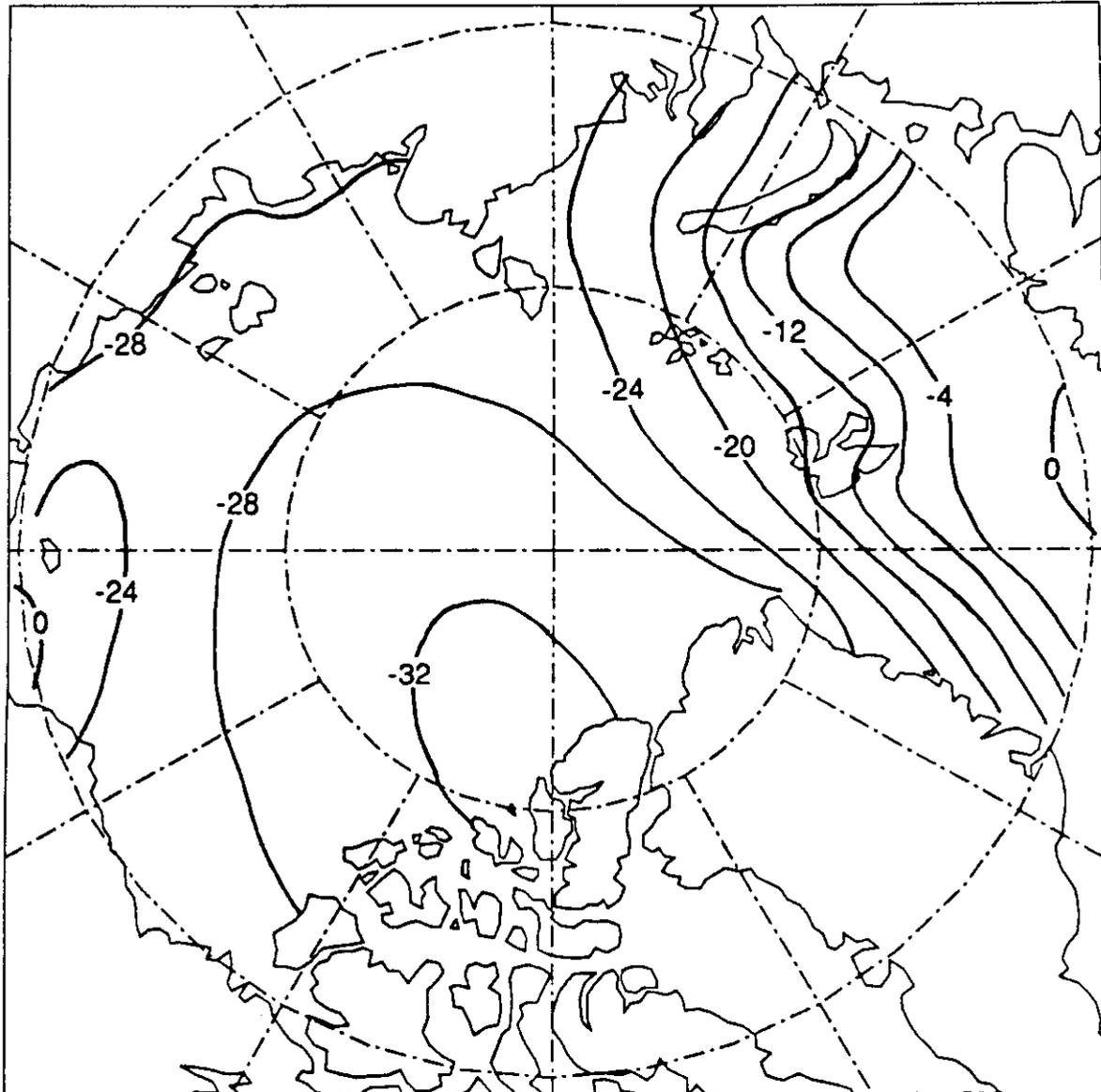


Figure B-25. Mean Surface Air Temperature ($^{\circ}\text{C}$) for December.

units in hundreds of feet

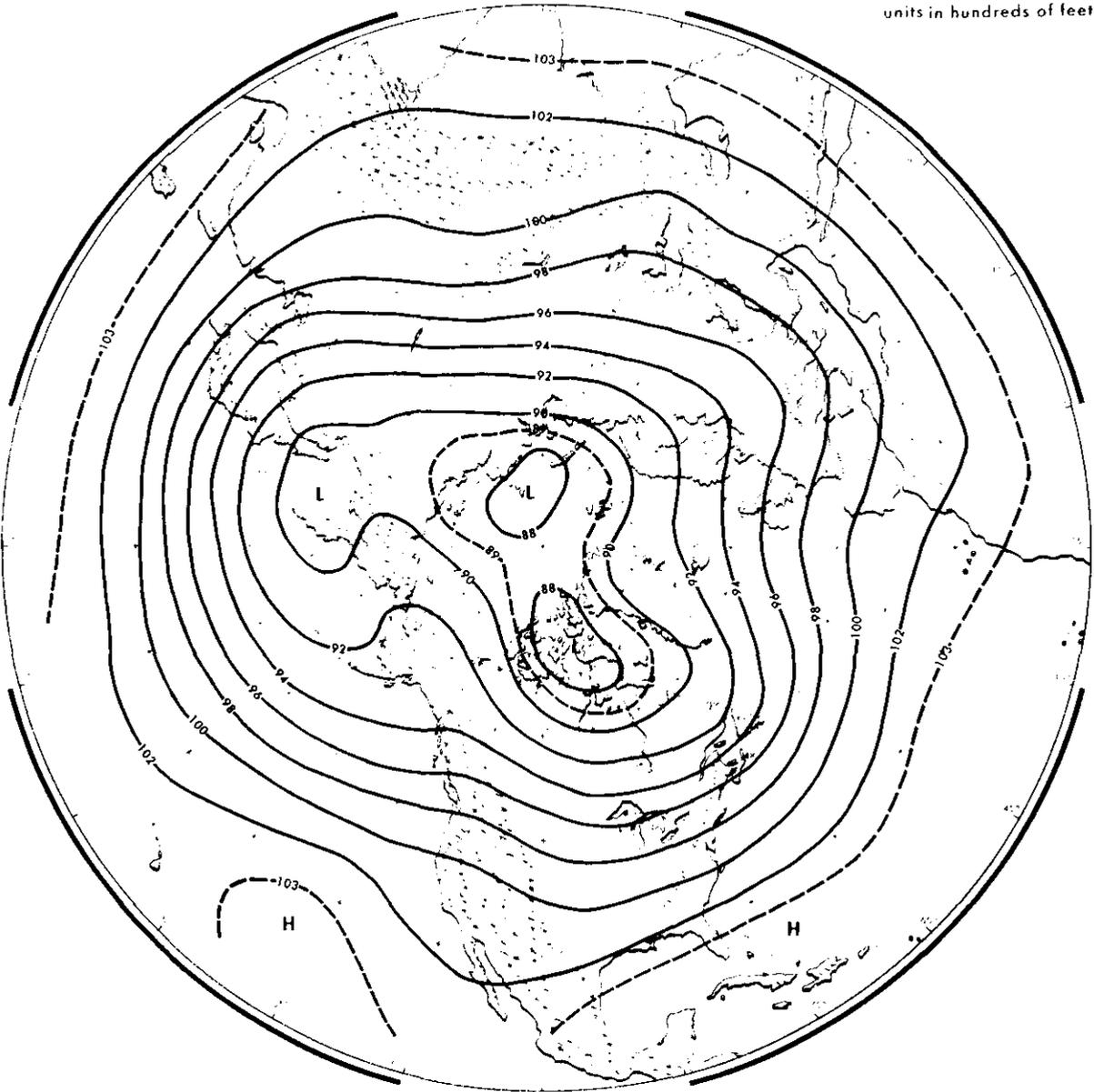


Figure B-26. Mean Height of the 700-mb Pressure Surface for January.

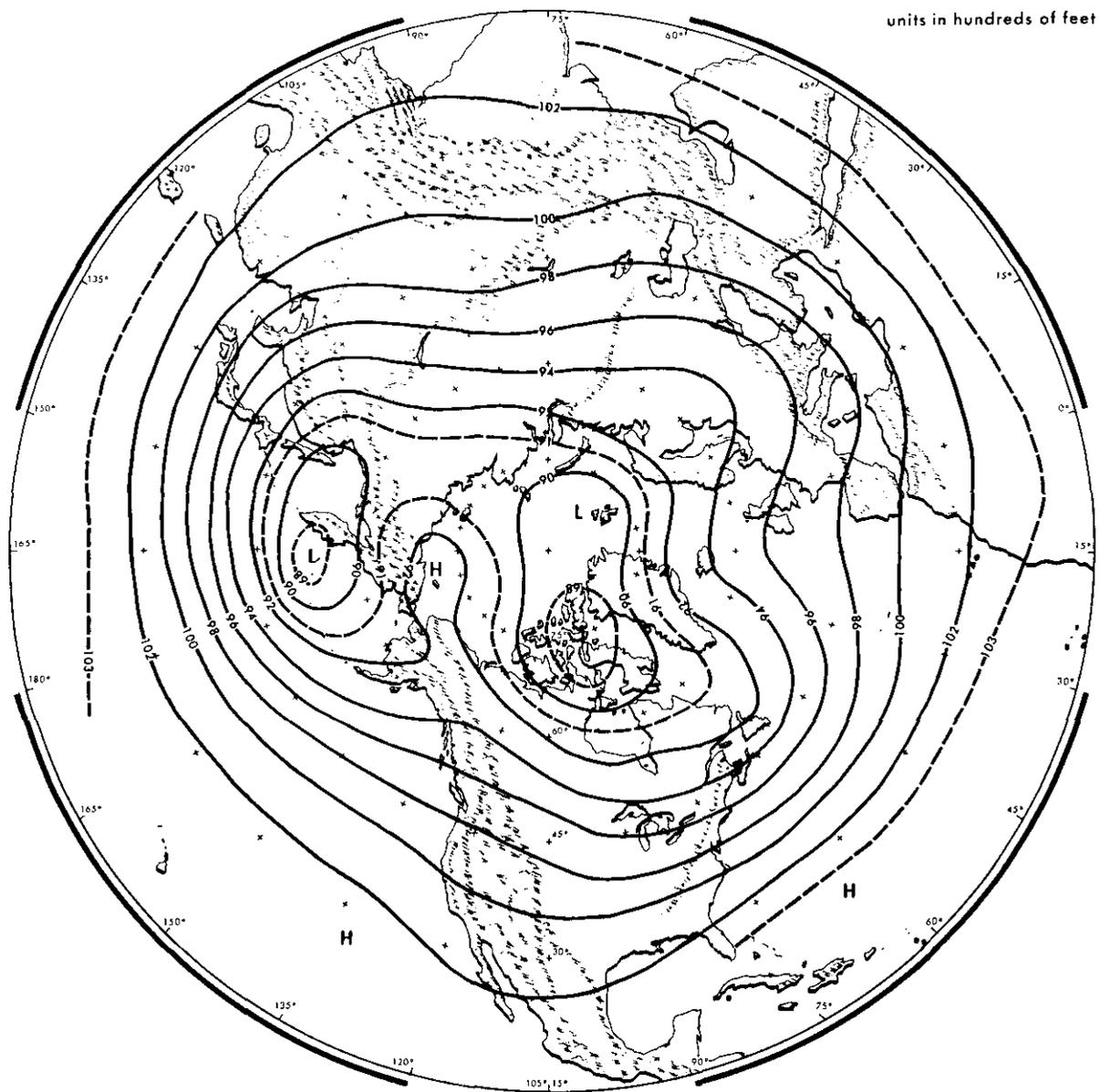


Figure B-27. Mean Height of the 700-mb Pressure Surface for February.

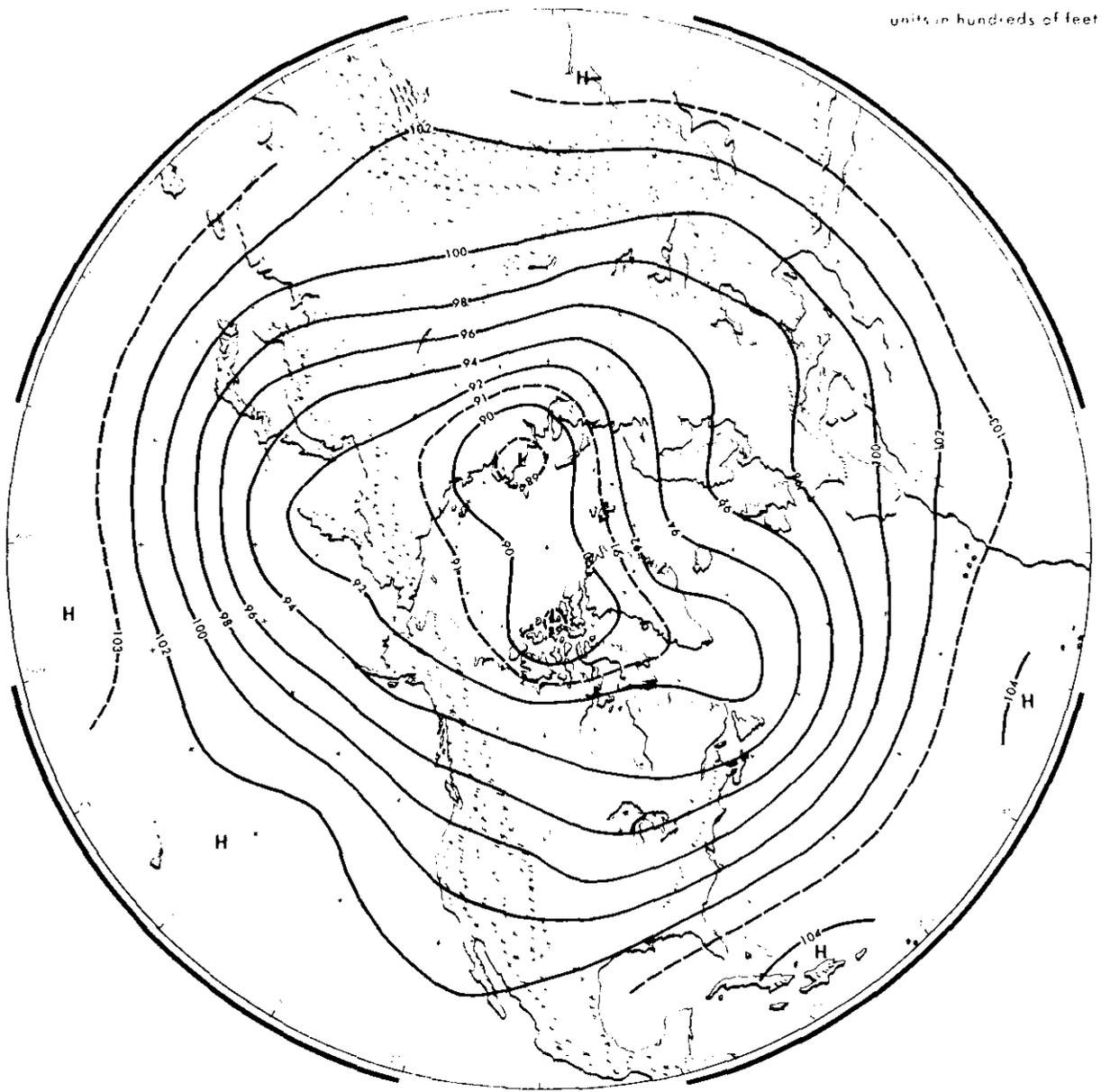


Figure B-28. Mean Height of the 700-mb Pressure Surface for March.

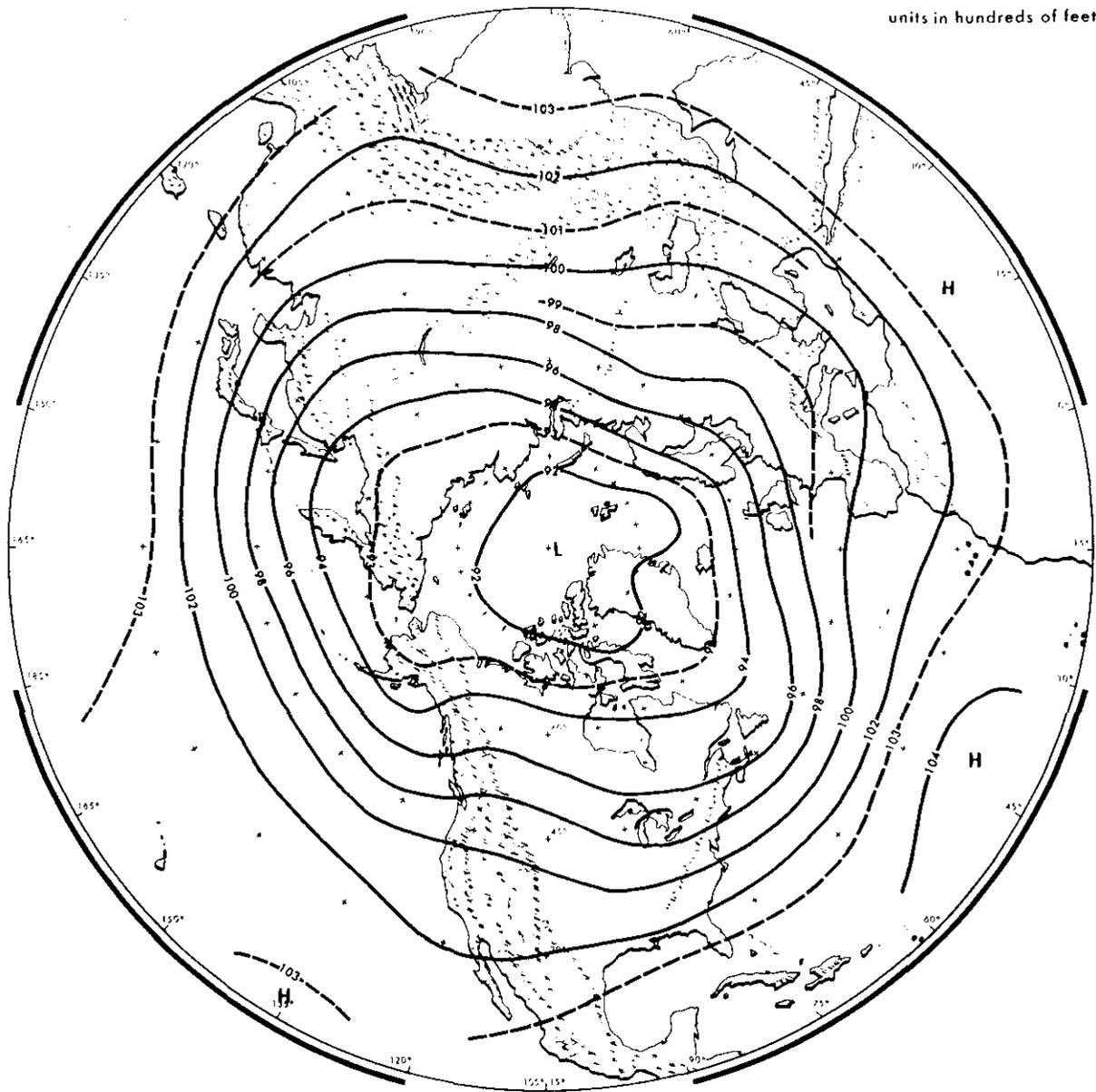


Figure B-29. Mean Height of the 700-mb Pressure Surface for April.

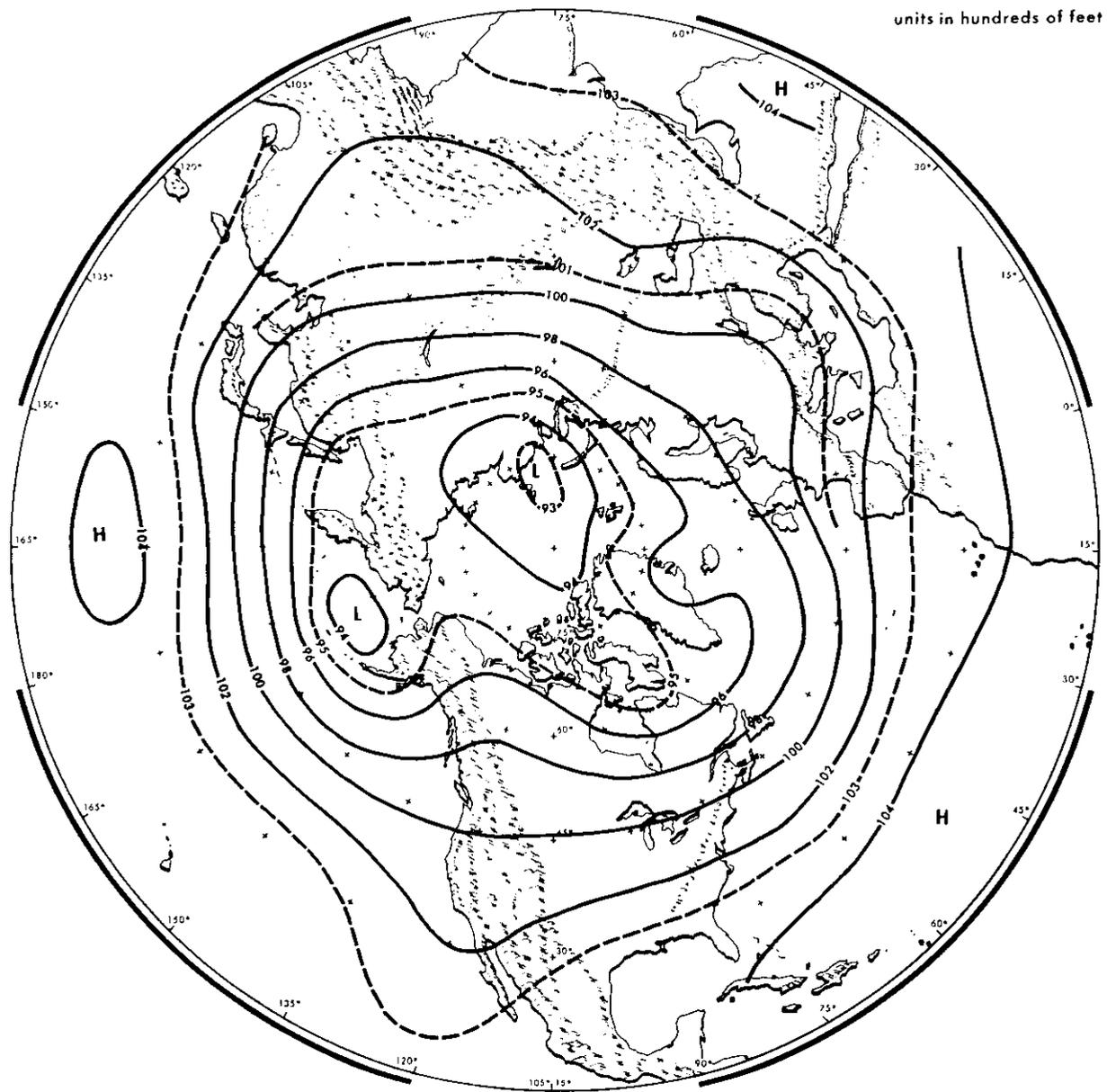


Figure B-30. Mean Height of the 700-mb Pressure Surface for May.

units in hundreds of feet

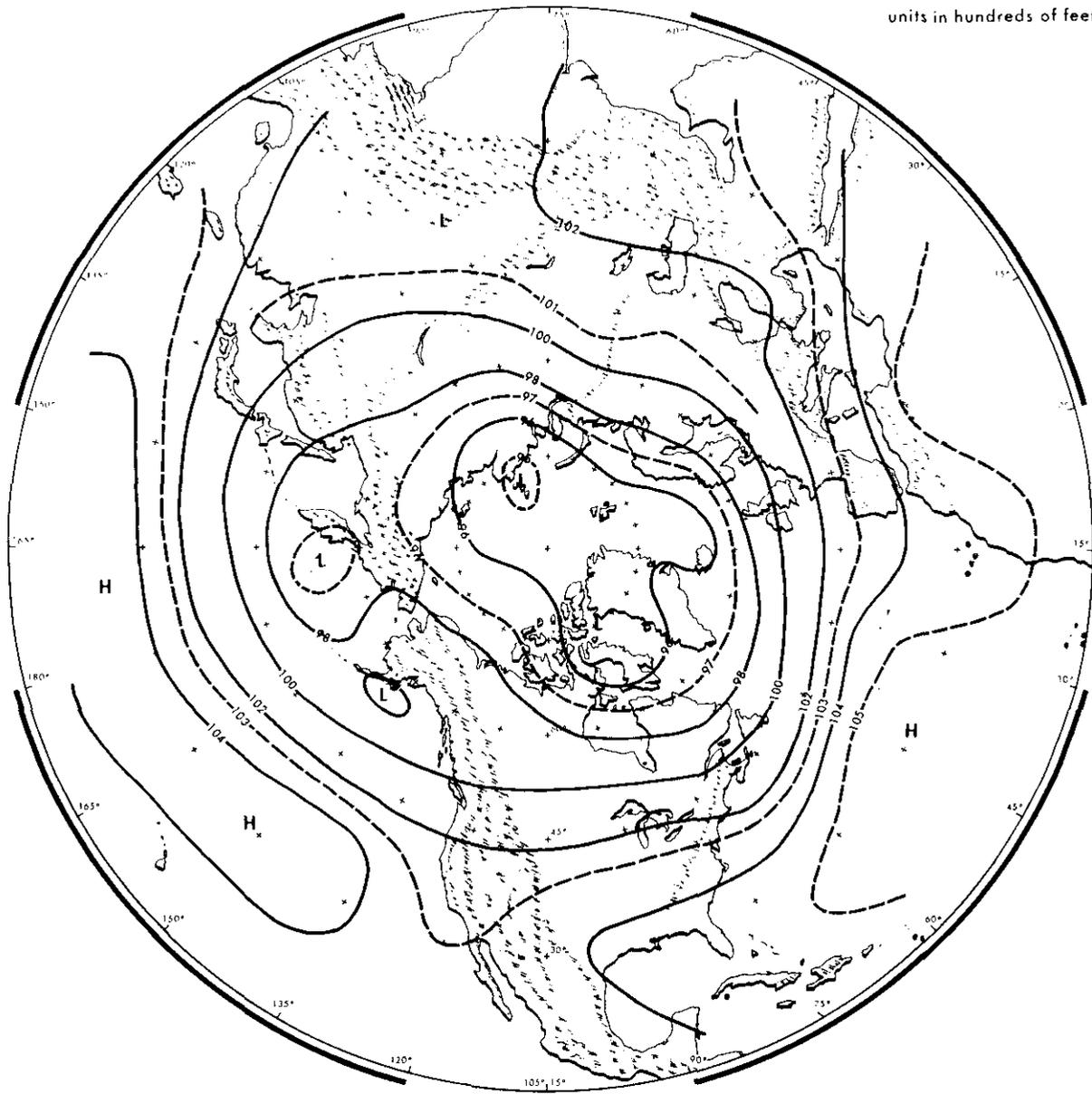


Figure B-31. Mean Height of the 700-mb Pressure Surface for June.

units in hundreds of feet

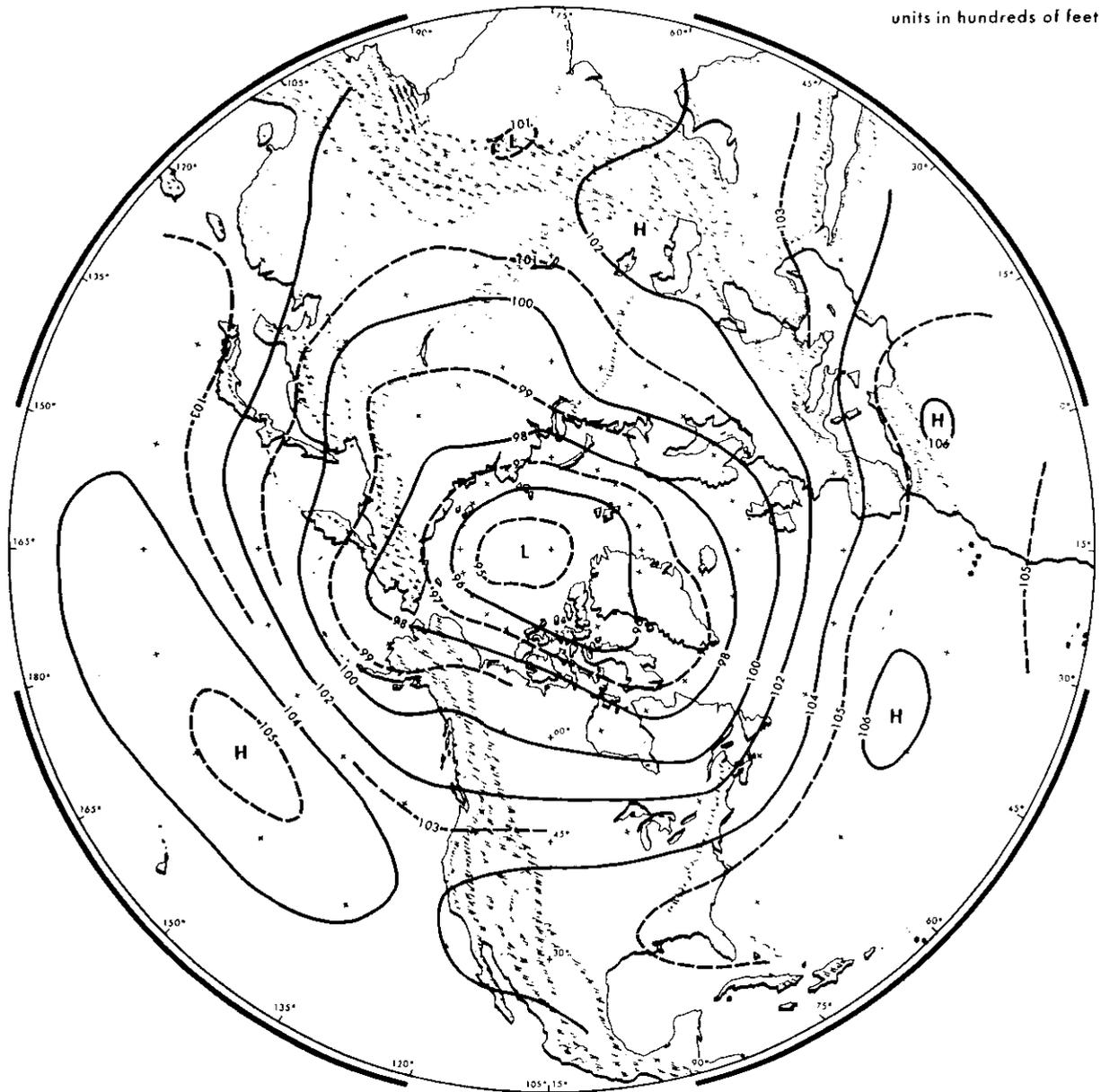


Figure B-32. Mean Height of the 700-mb Pressure Surface for July.

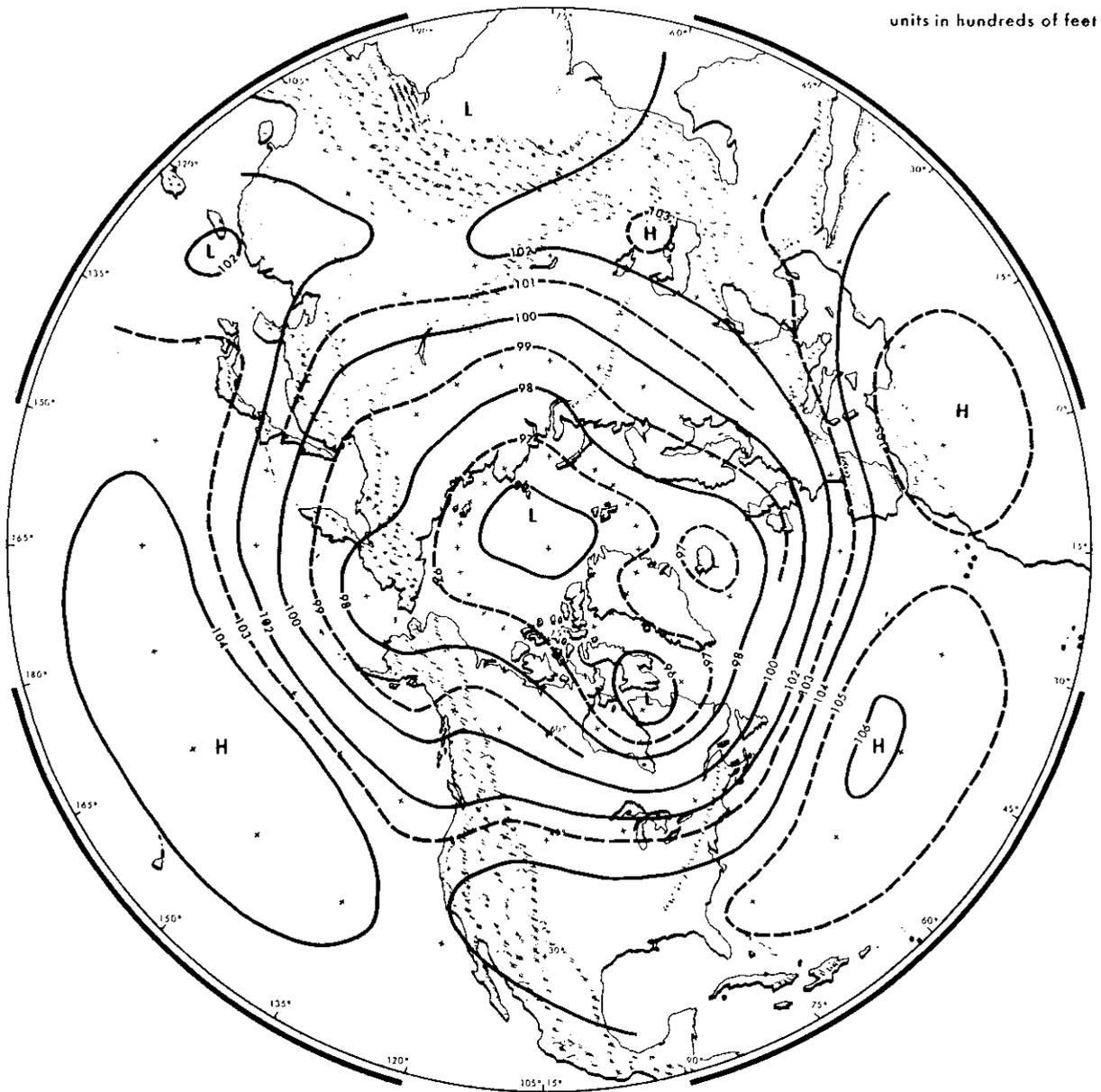


Figure B-33. Mean Height of the 700-mb Pressure Surface for August.

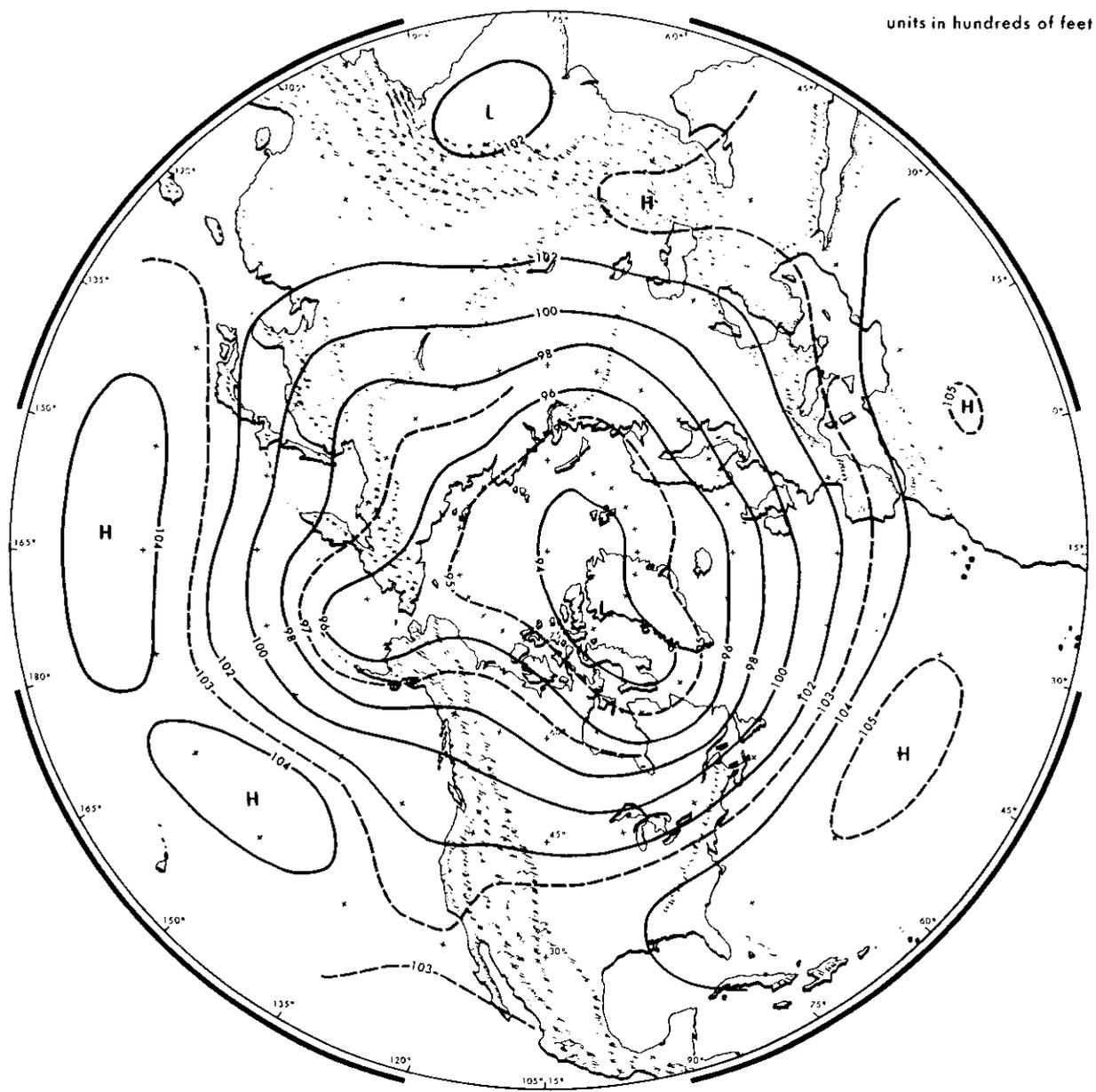


Figure B-34. Mean Height of the 700-mb Pressure Surface for September.

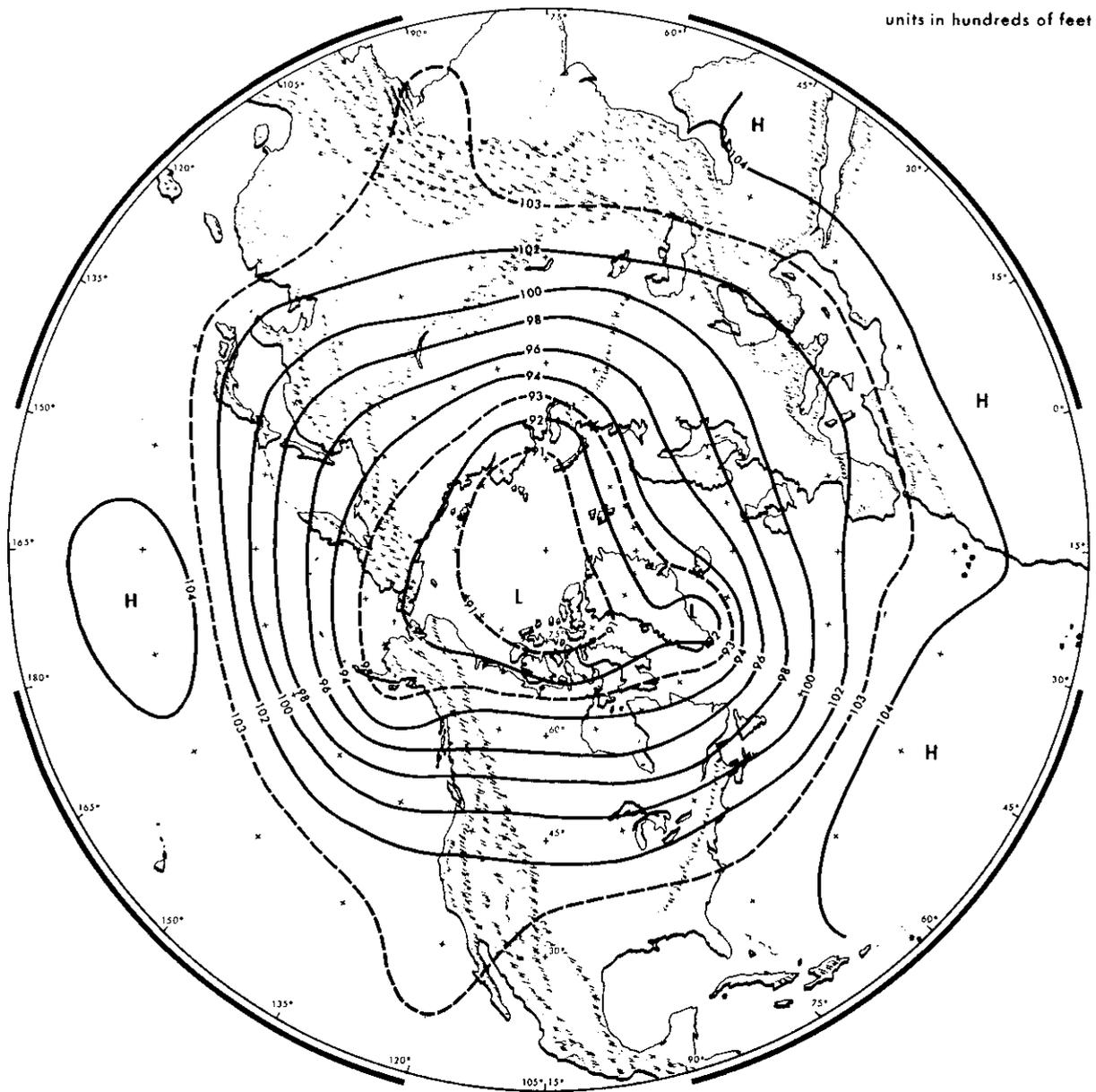


Figure B-35. Mean Height of the 700-mb Pressure Surface for October.

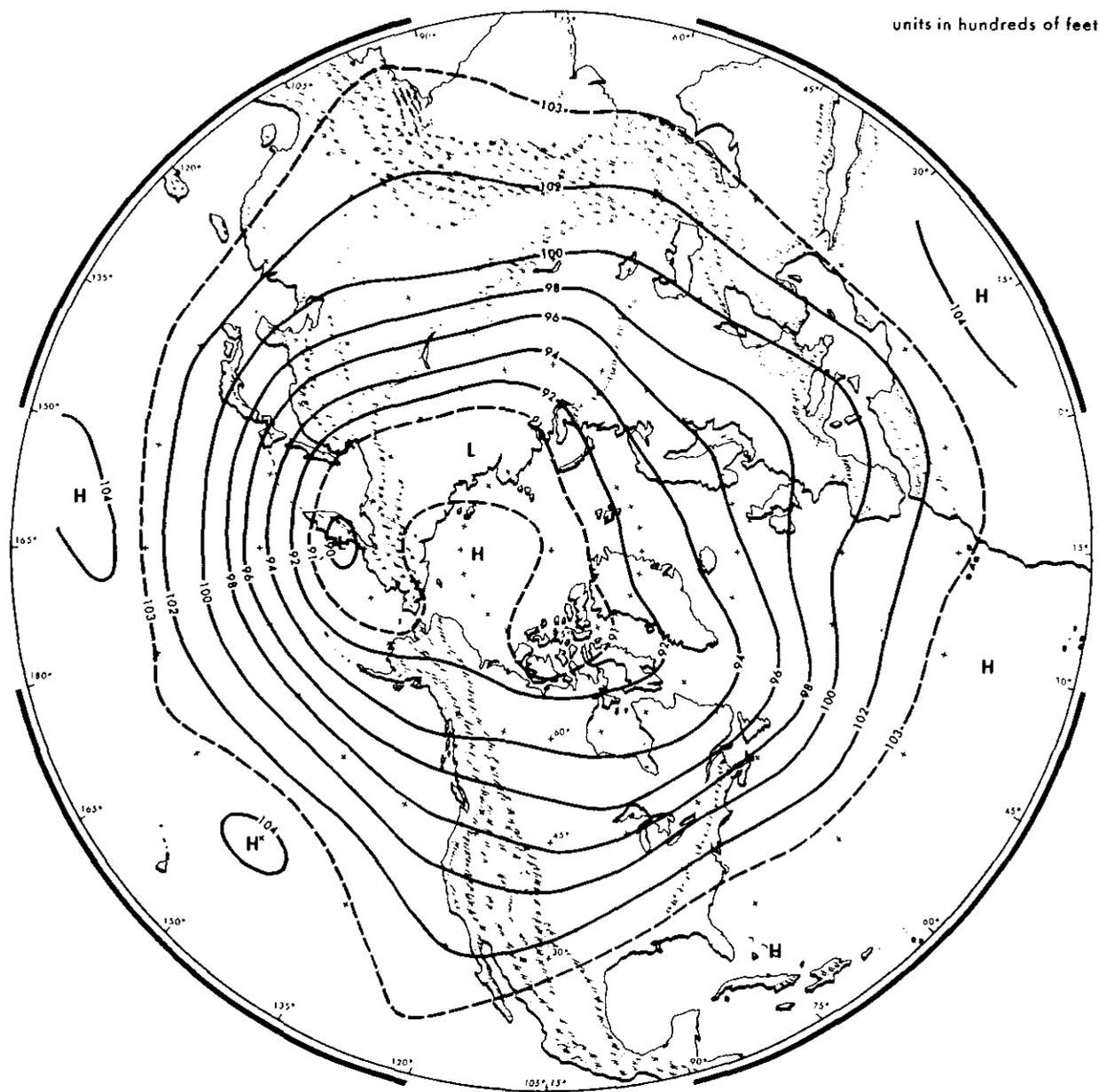


Figure B-36. Mean Height of the 700-mb Pressure Surface for November.

units in hundreds of feet

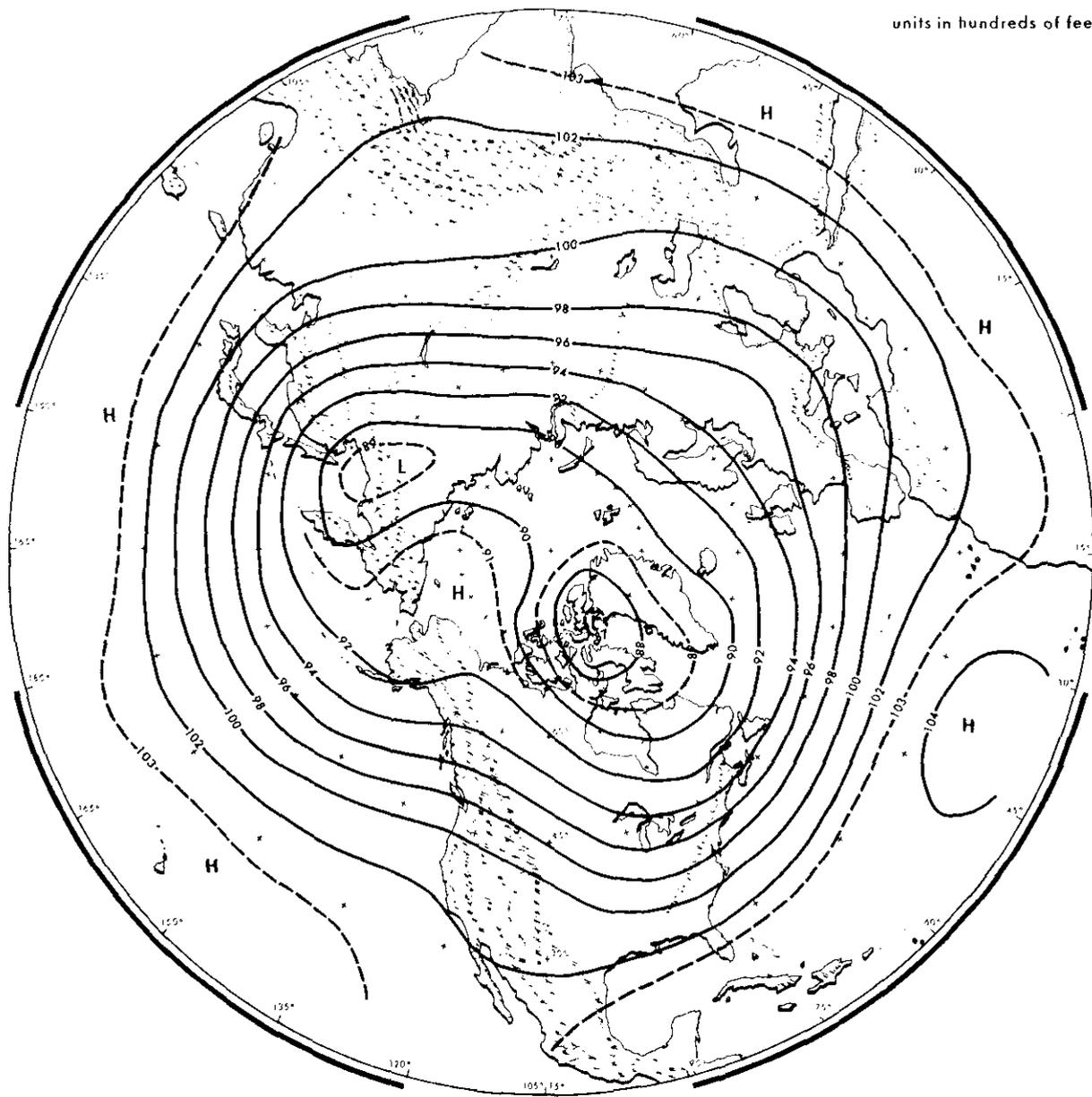


Figure B-37. Mean Height of the 700-mb Pressure Surface for December.