

COMMONWEALTH OF AUSTRALIA  
DEPARTMENT OF EXTERNAL AFFAIRS

AUSTRALIAN NATIONAL ANTARCTIC RESEARCH EXPEDITION



**A.N.A.R.E. REPORTS**

**SERIES D**

**METEOROLOGY**

**VOLUME I**

**Heard And Macquarie Islands, 1948.**

*By*

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**Part I (b) Analysed Charts**

ISSUED BY THE ANTARCTIC DIVISION, DEPARTMENT OF EXTERNAL AFFAIRS, MELBOURNE.  
OCTOBER 1951

P R E F A T O R Y   N O T E

The meteorological work of the Australian National Antarctic Research Expedition at Heard and Macquarie Islands during 1948 was carried out by officers of the Meteorological Branch of the Department of the Interior.

On their return to Australia Messrs. A.V. Gotley and A.R. Martin, senior meteorological officers at Heard and Macquarie Islands respectively, together with Mr. W.J. Gibbs, Supervising Meteorologist, Research Section, were given the task of preparing a report on the meteorological aspects of the Expedition during 1948 by The Director of the Meteorological Branch.

This report forms Part 1 of Volume 1 of the A.N.A.R.E. Reports, Series D, and is issued in three sections -

- (a) Results of Observations made at Heard and Macquarie Islands during 1948;
- (b) Analysed Weather Charts of the Southern Ocean;
- (c) Discussion of the Observations and Charts.

## I N T R O D U C T I O N

Complete meteorological data for Heard and Macquarie Islands, 1948, have already been published in Volume 1 Part 1 (a) of this Series. This publication, Part 1 (b), has been compiled principally from that data and contains analysed surface charts of the Southern Ocean for June and December, 1948.

The December charts cover a much greater area than those of June, as reports from whaling ships enabled the area of analysis to be extended.

Full acknowledgment will be given in Part 1 (c); however, our thanks are extended to the following people and institutions for providing copies of synoptic messages, whaling ship logs and analysed charts : -

Director, Meteorological Office, Air Ministry, London.

Director, Division of Meteorology, South Africa.

Inst. Lt/Comdr. Morgan, R.N., Simonstown, South Africa.

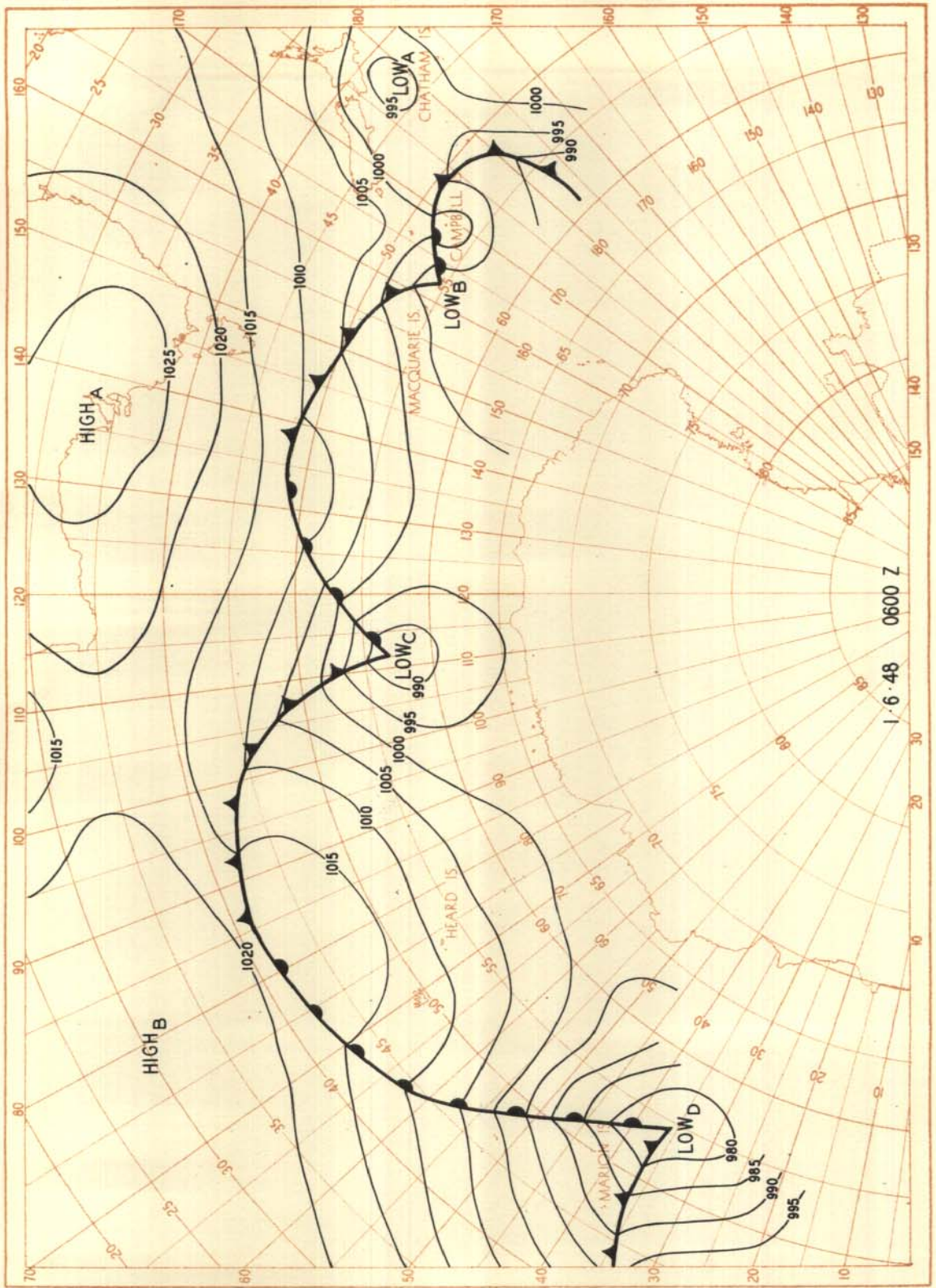
Director, Argentine Meteorological Service.

The analysed charts were copied for publication in the Drafting Section, Central Weather Bureau, Melbourne.

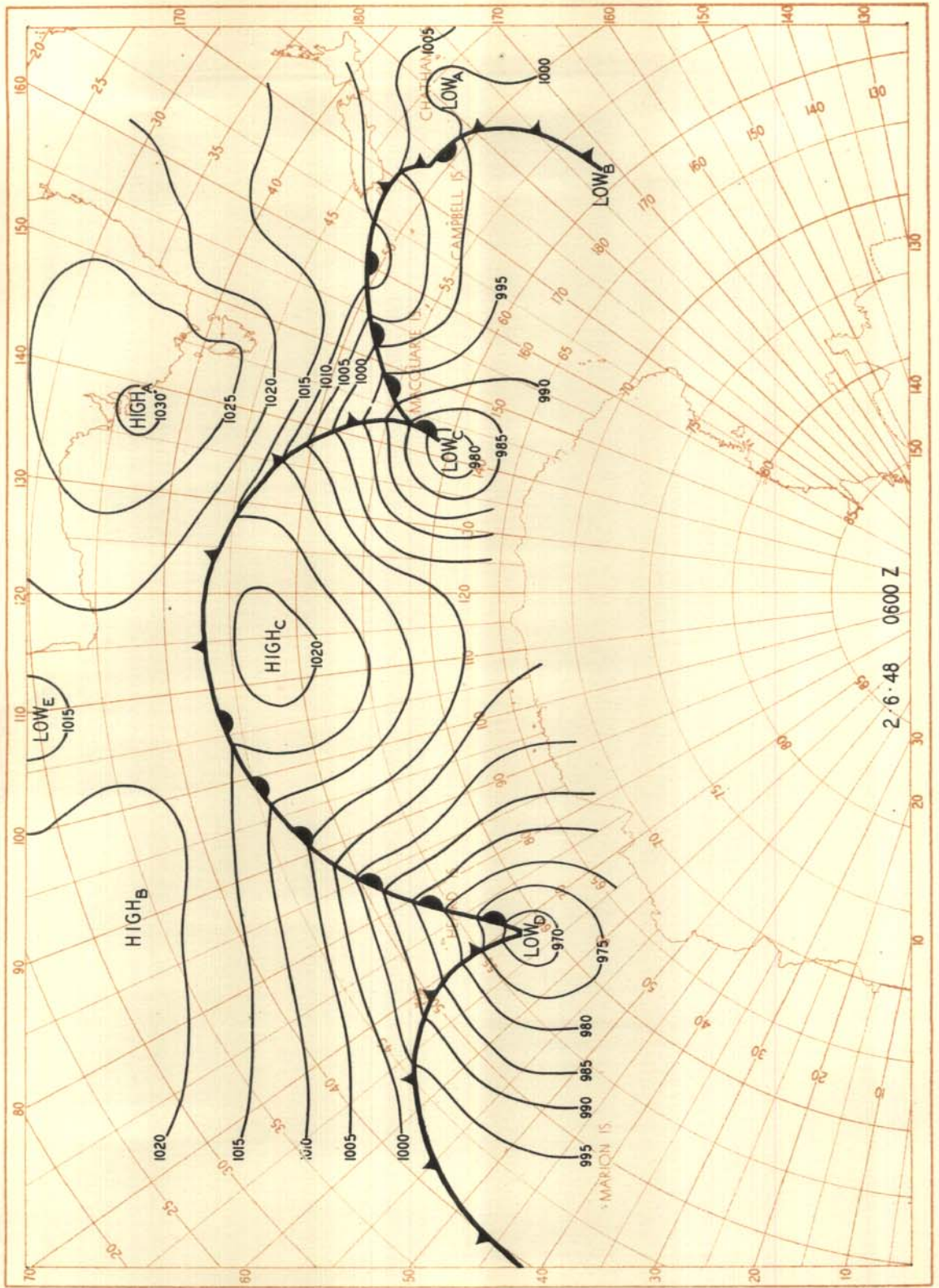
A full discussion of methods of analysis is contained in Part 1 (c).

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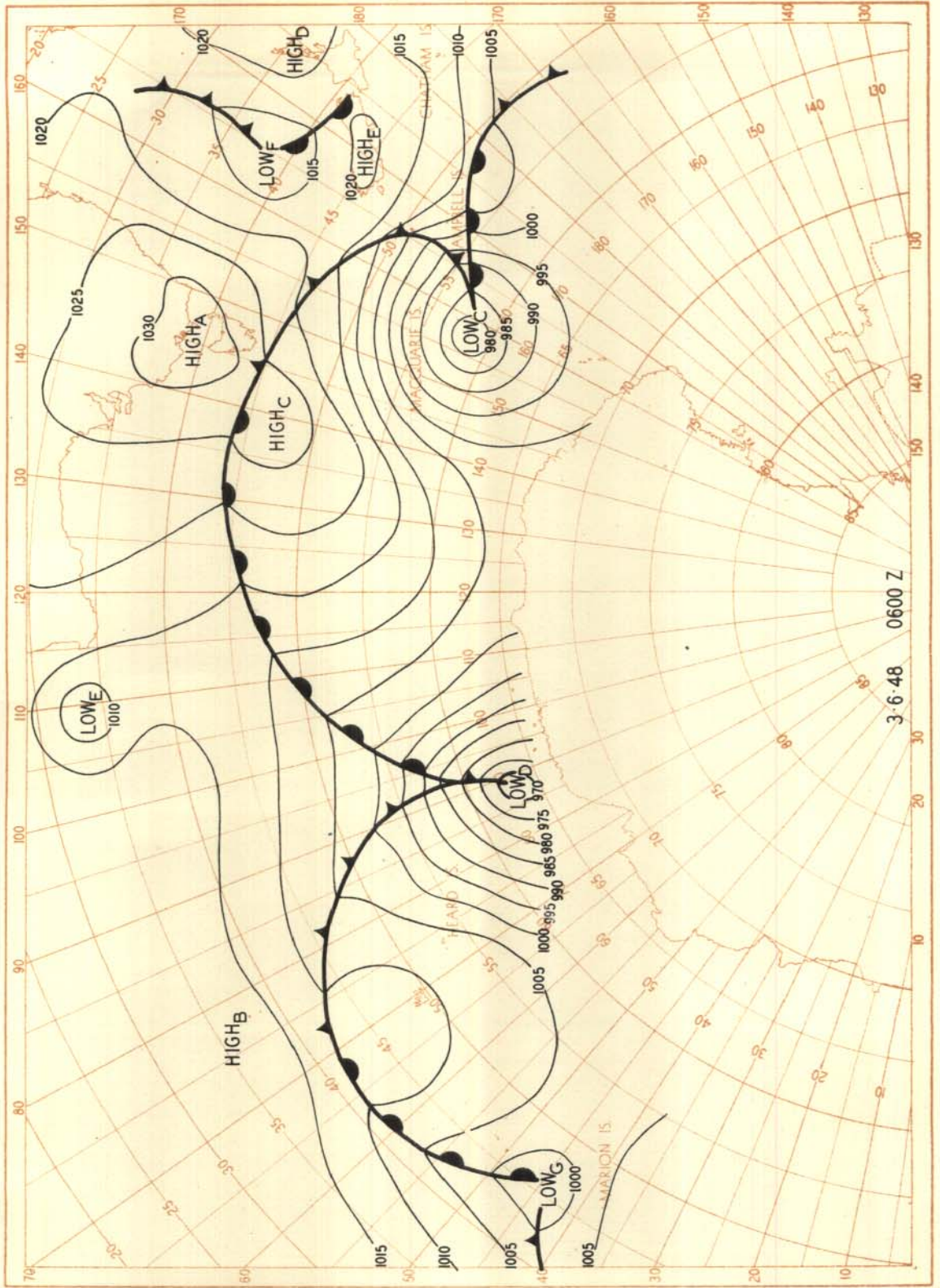




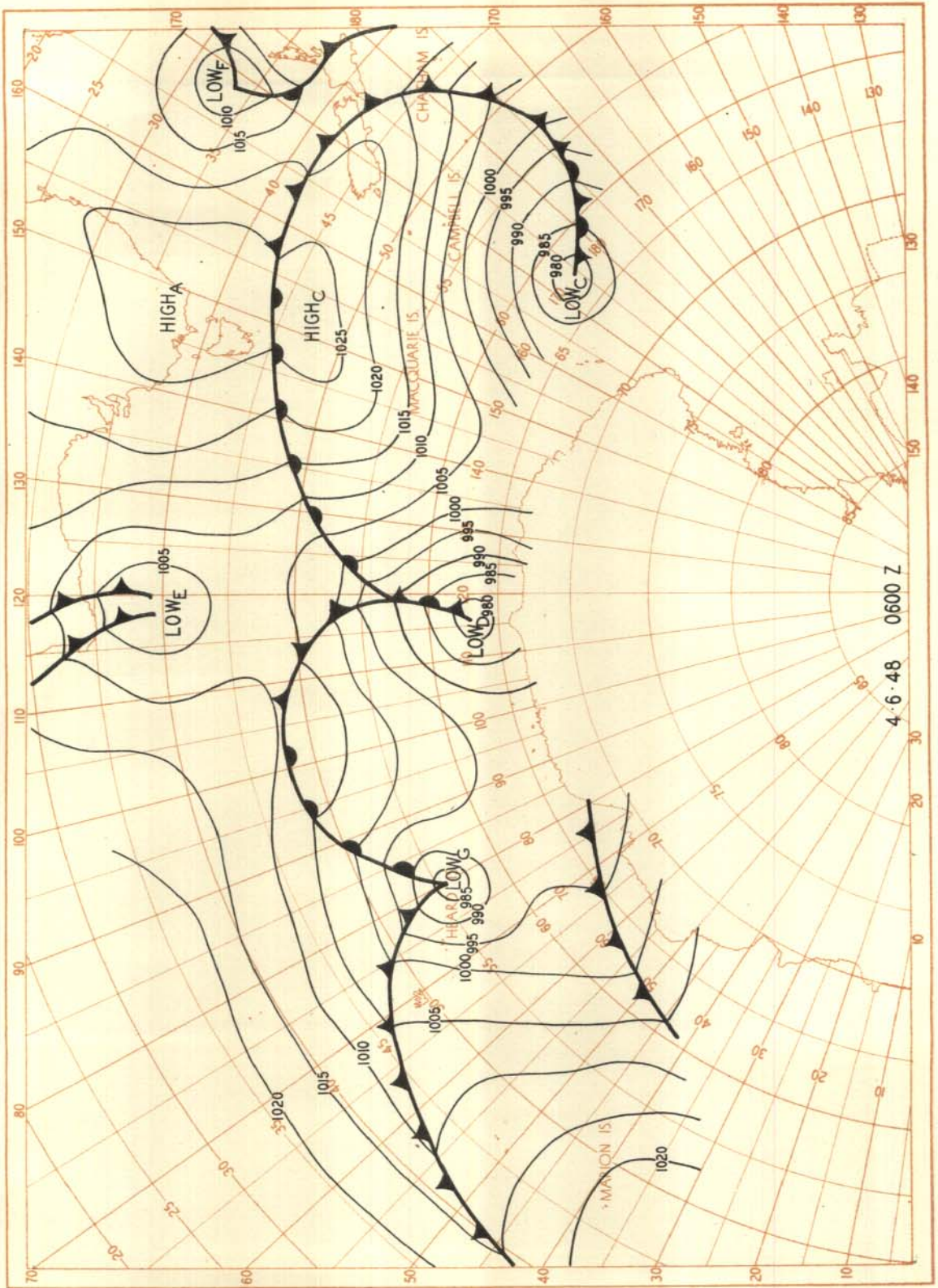




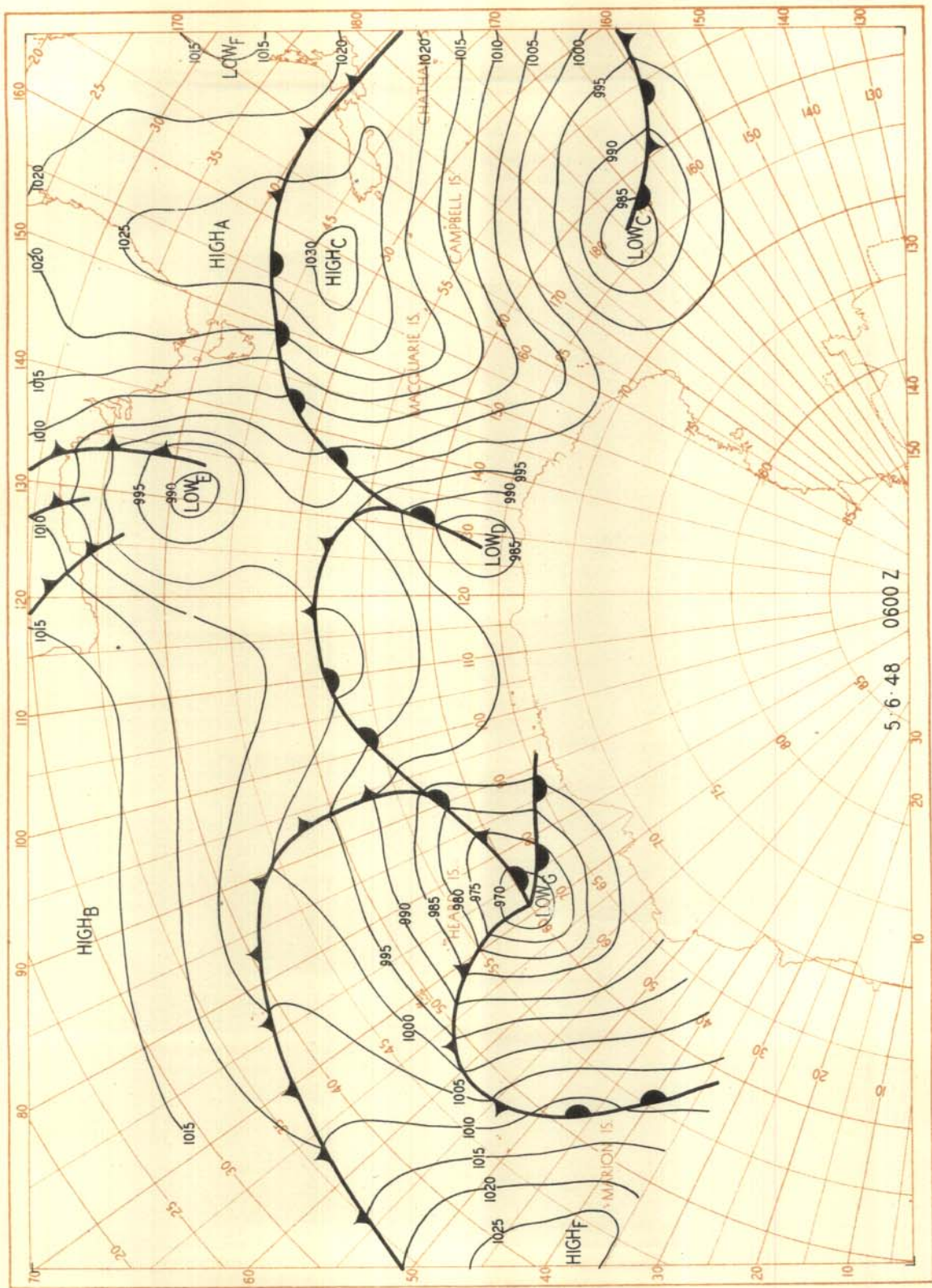




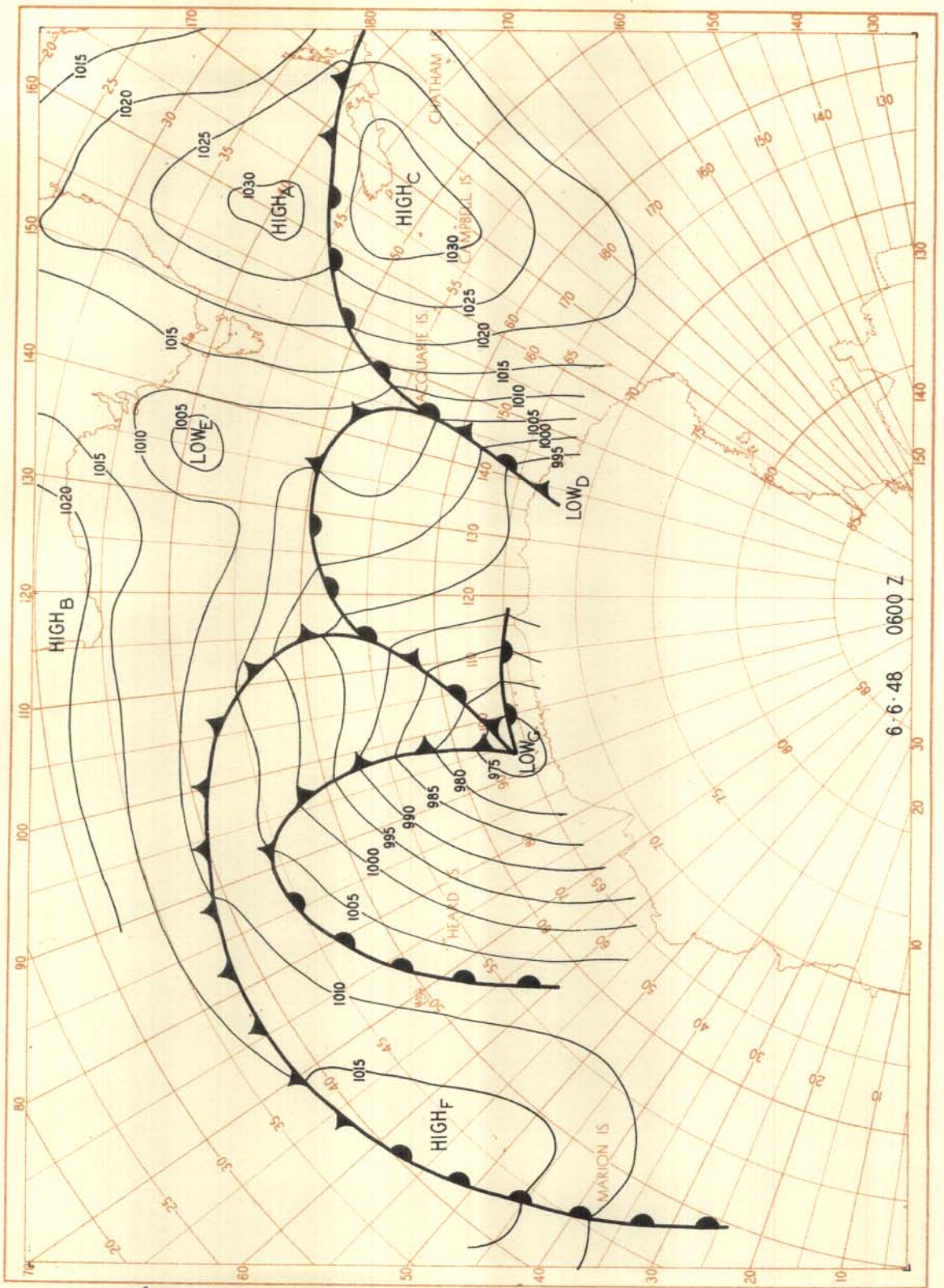




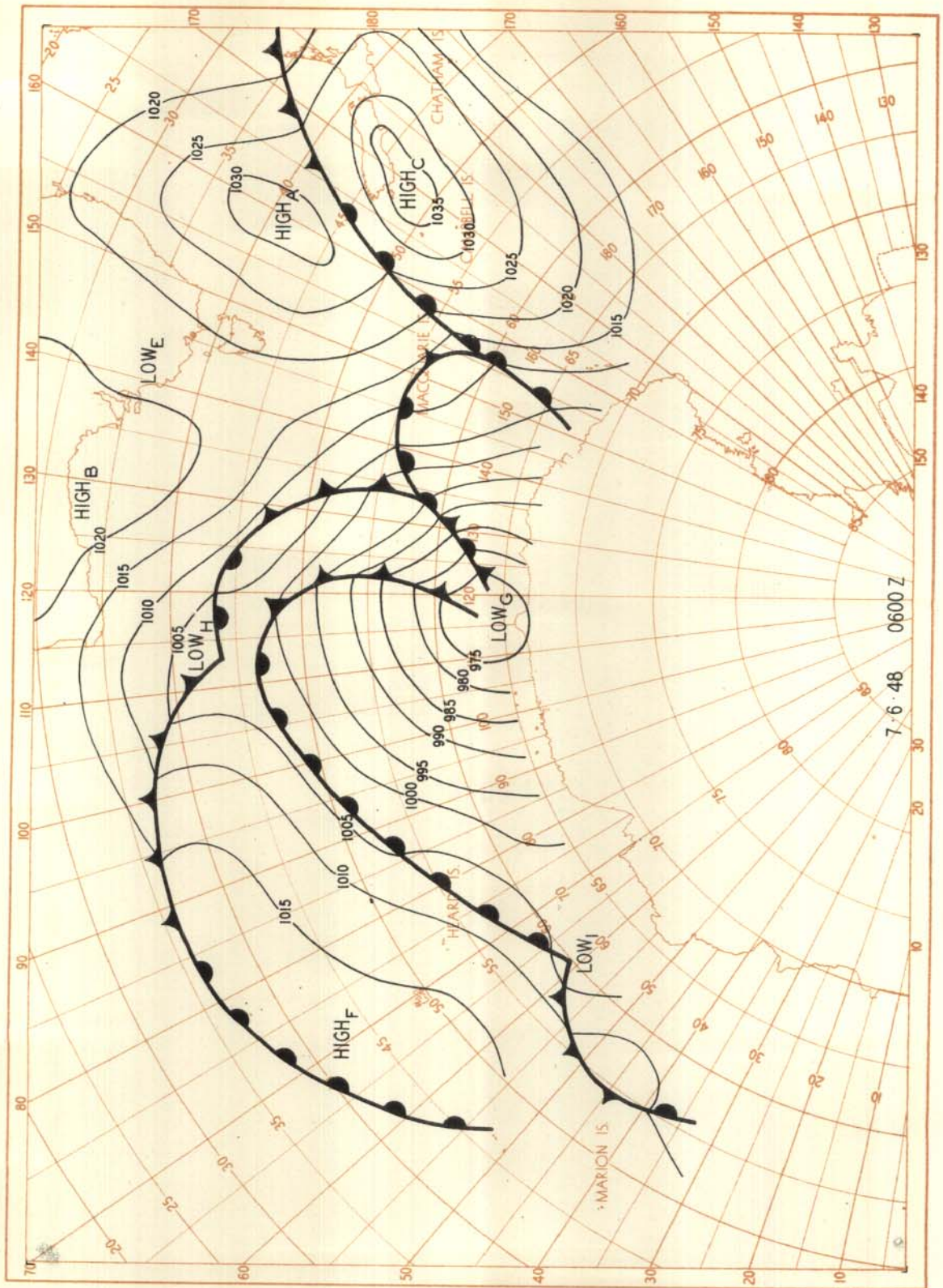




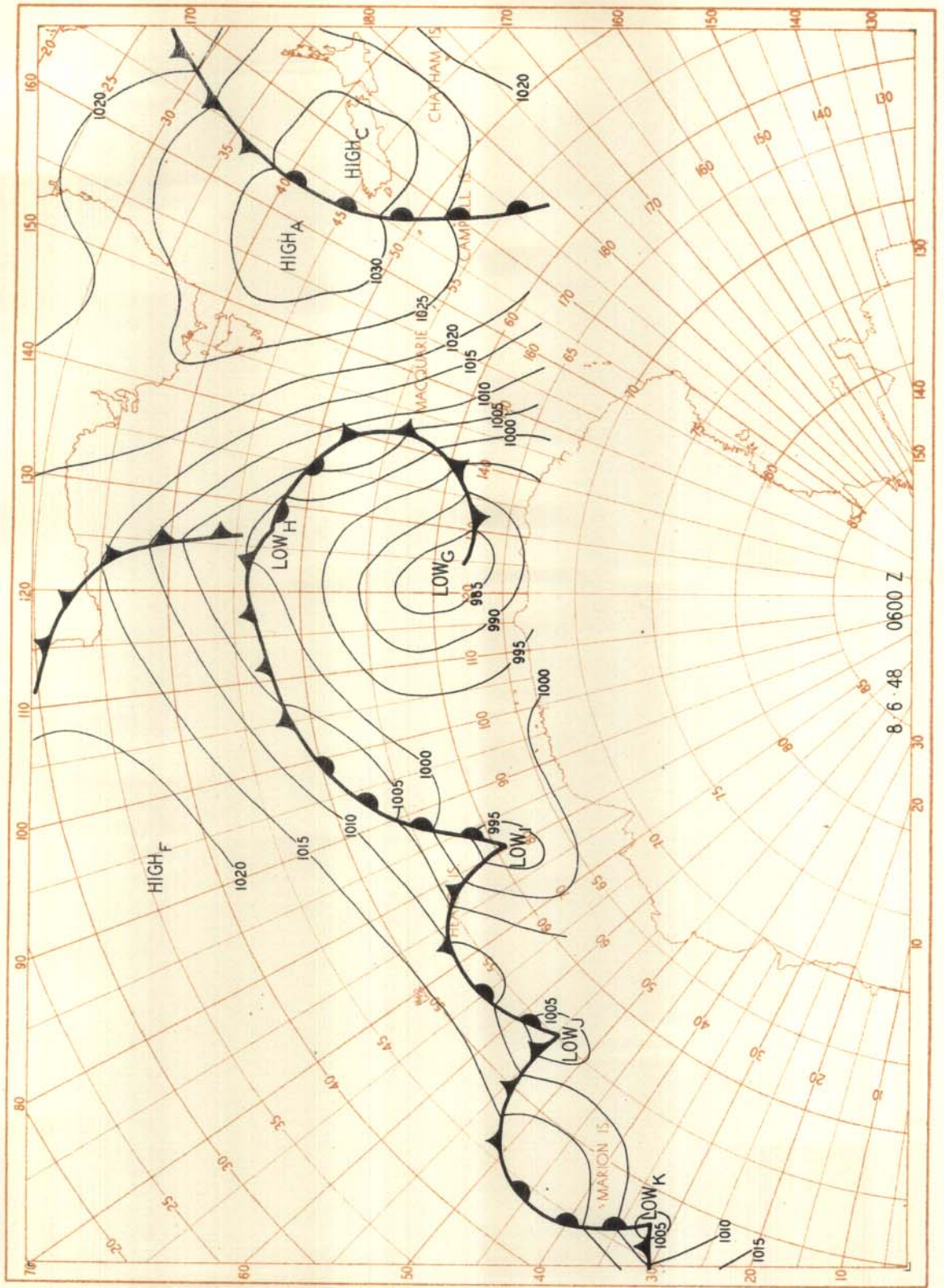




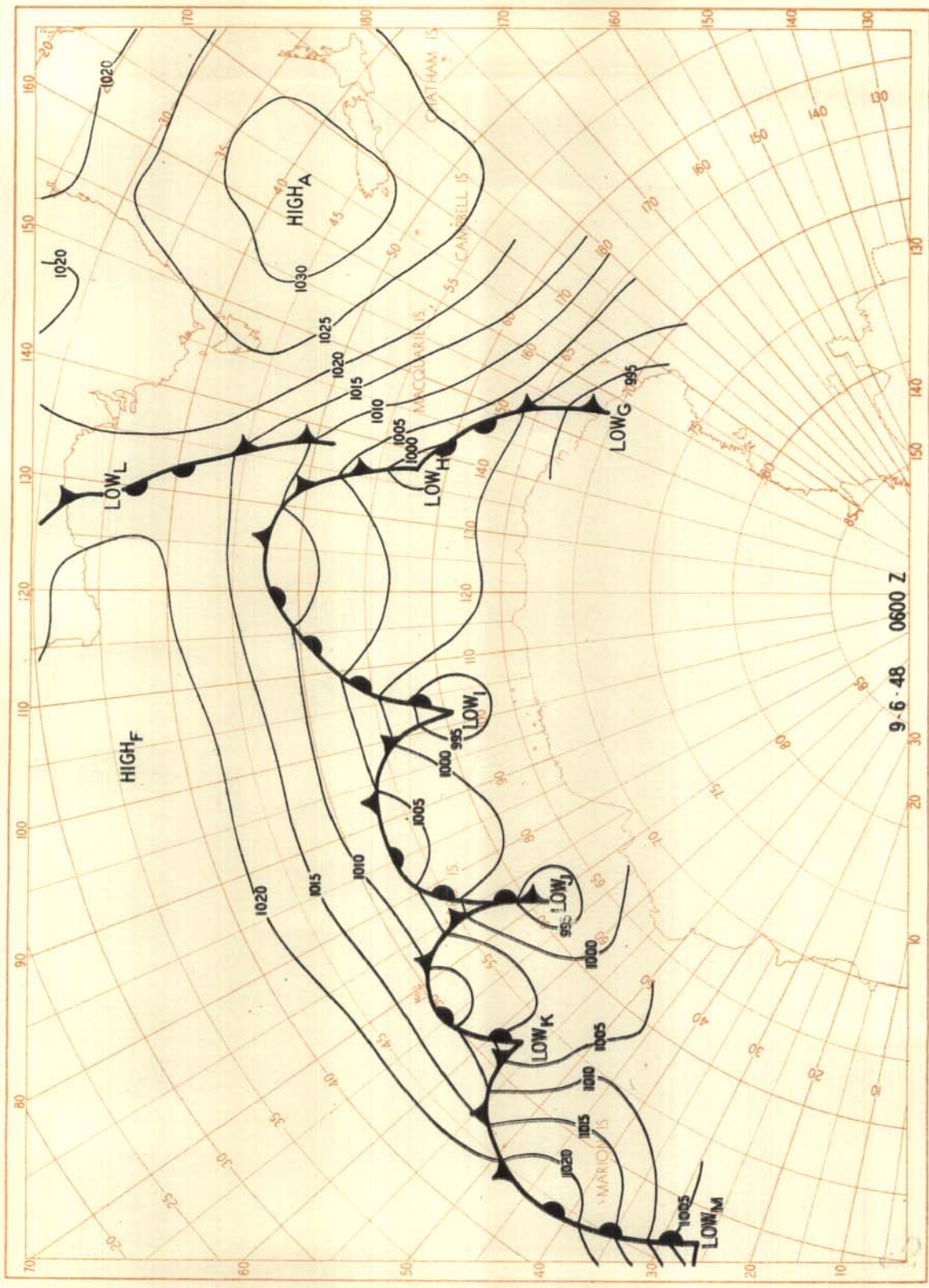




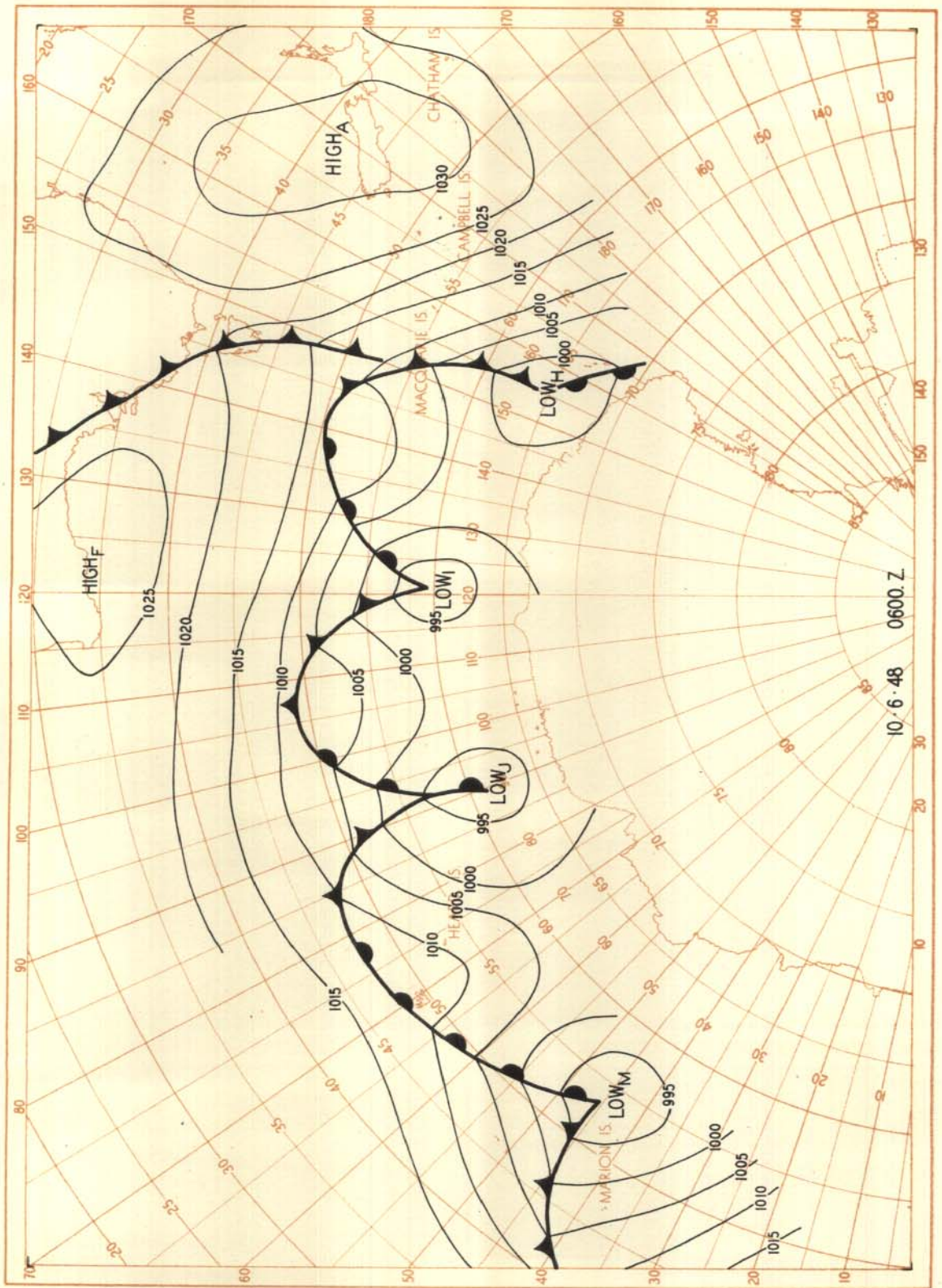




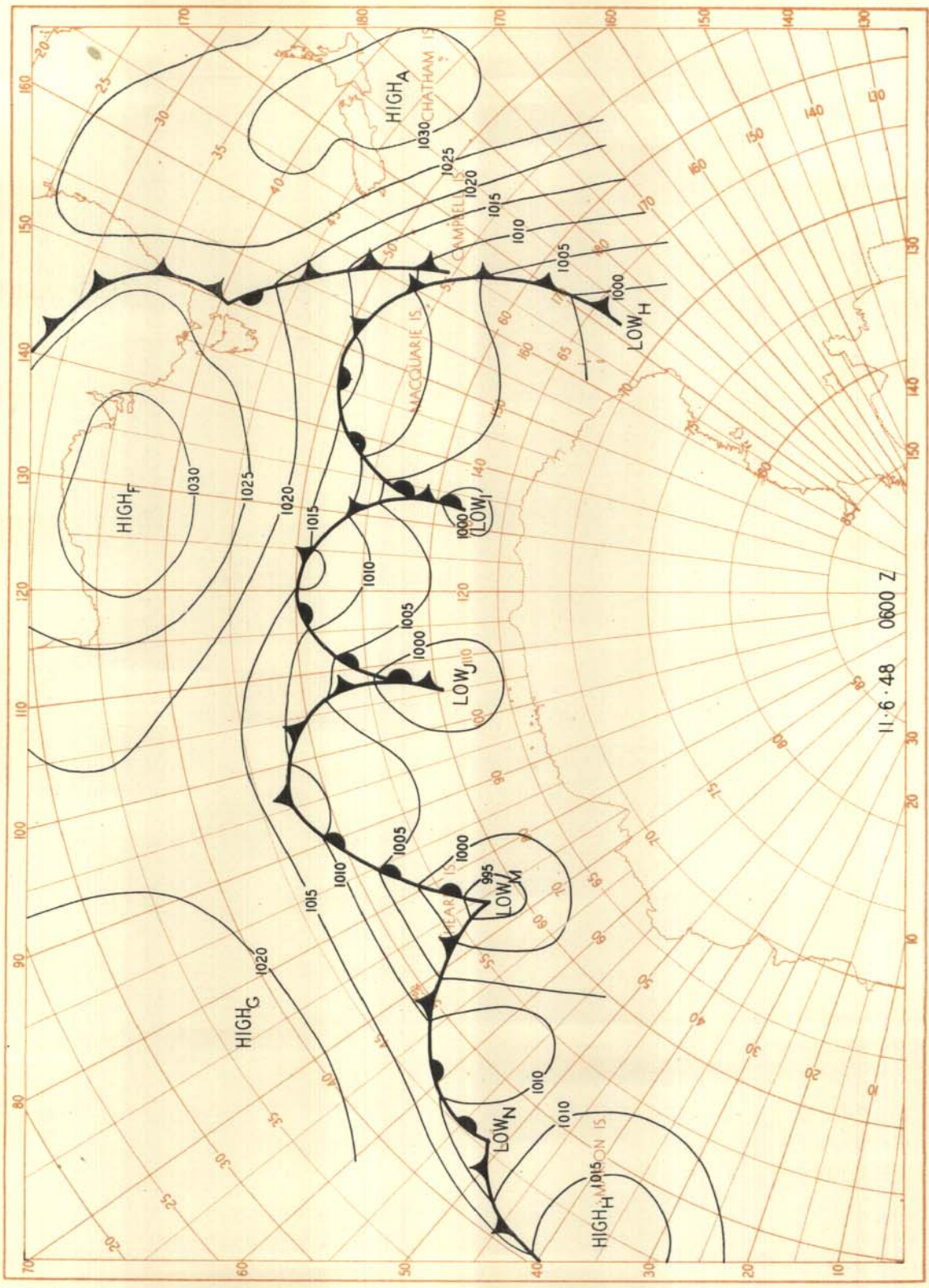




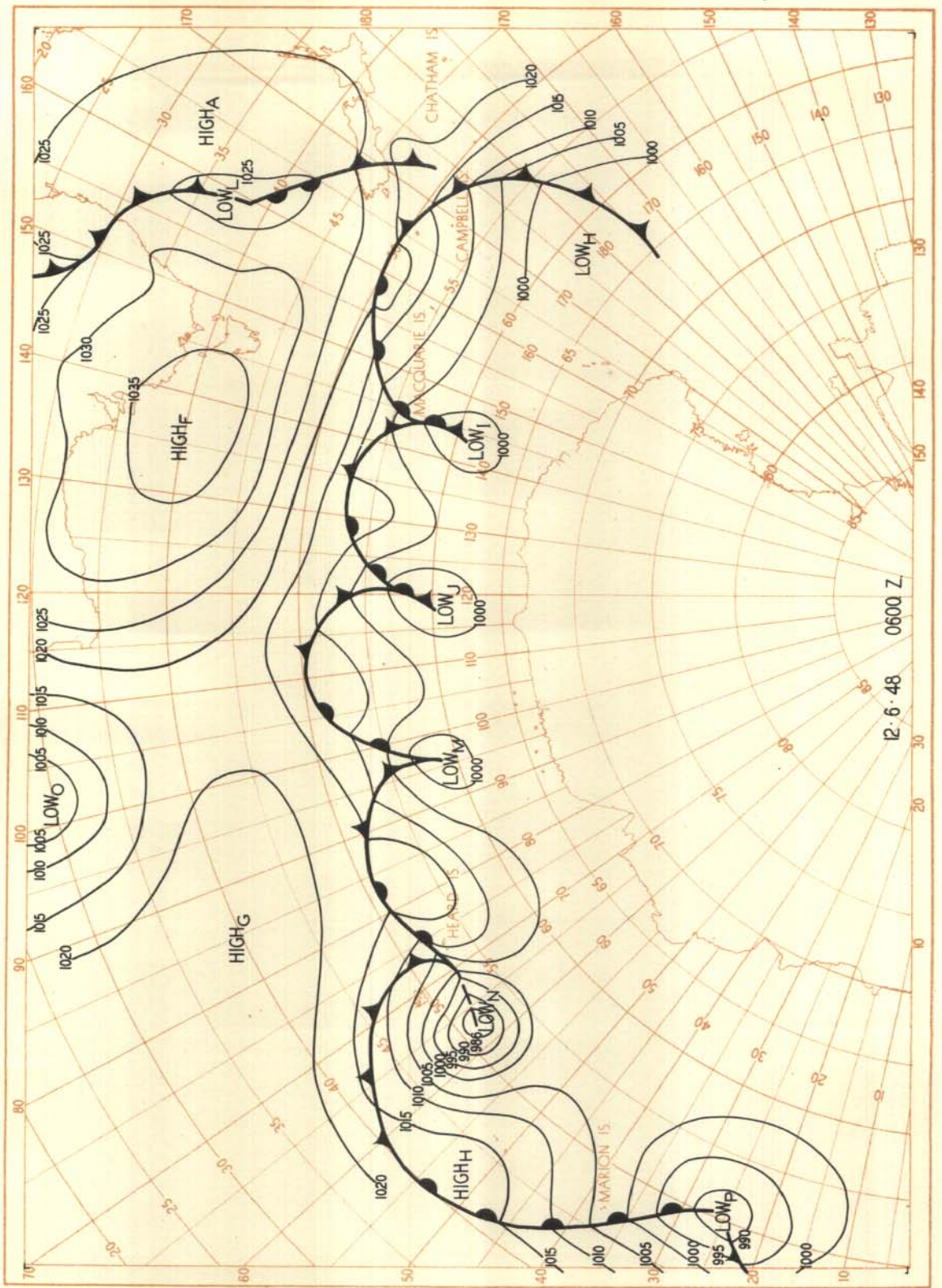




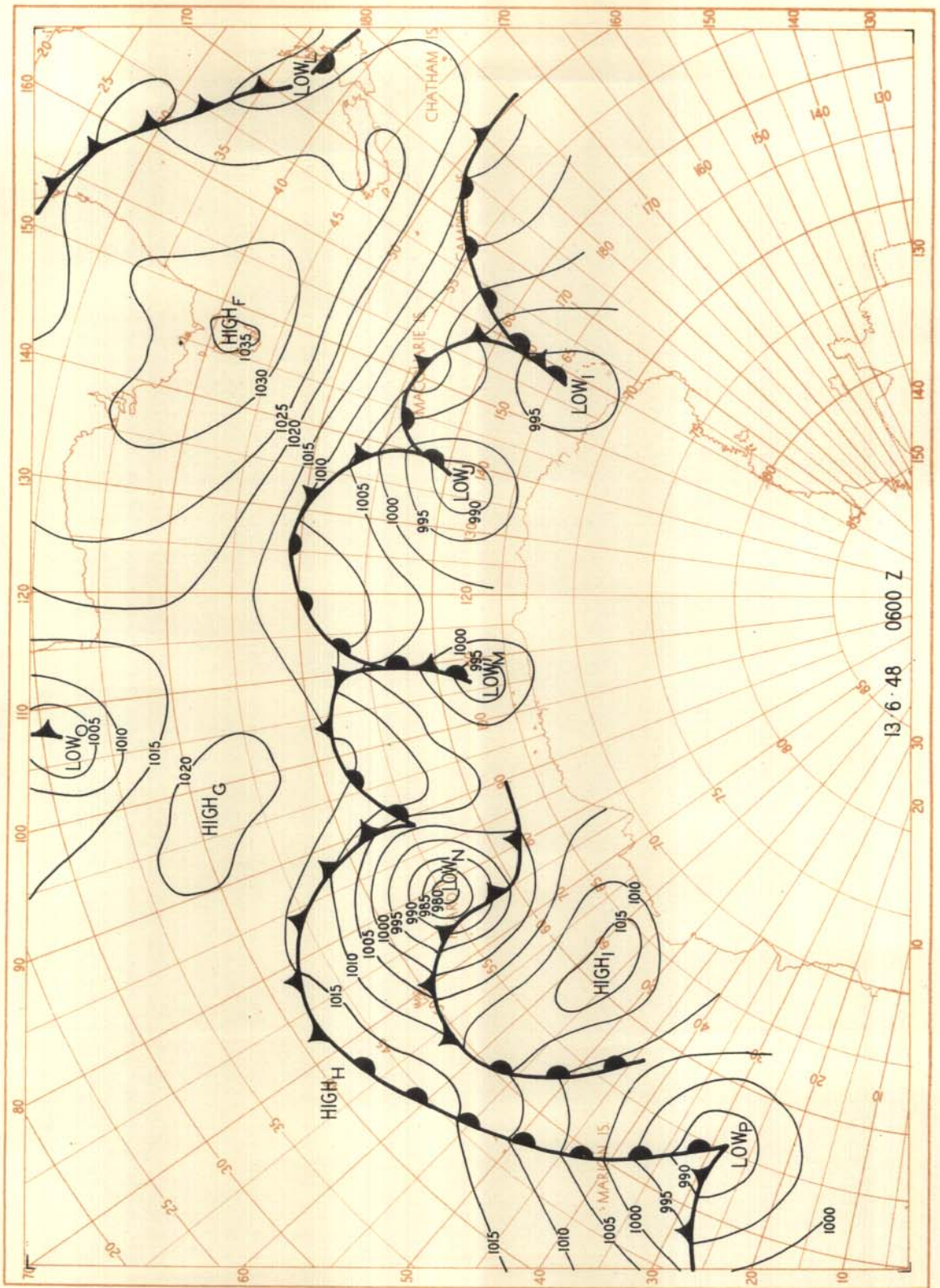




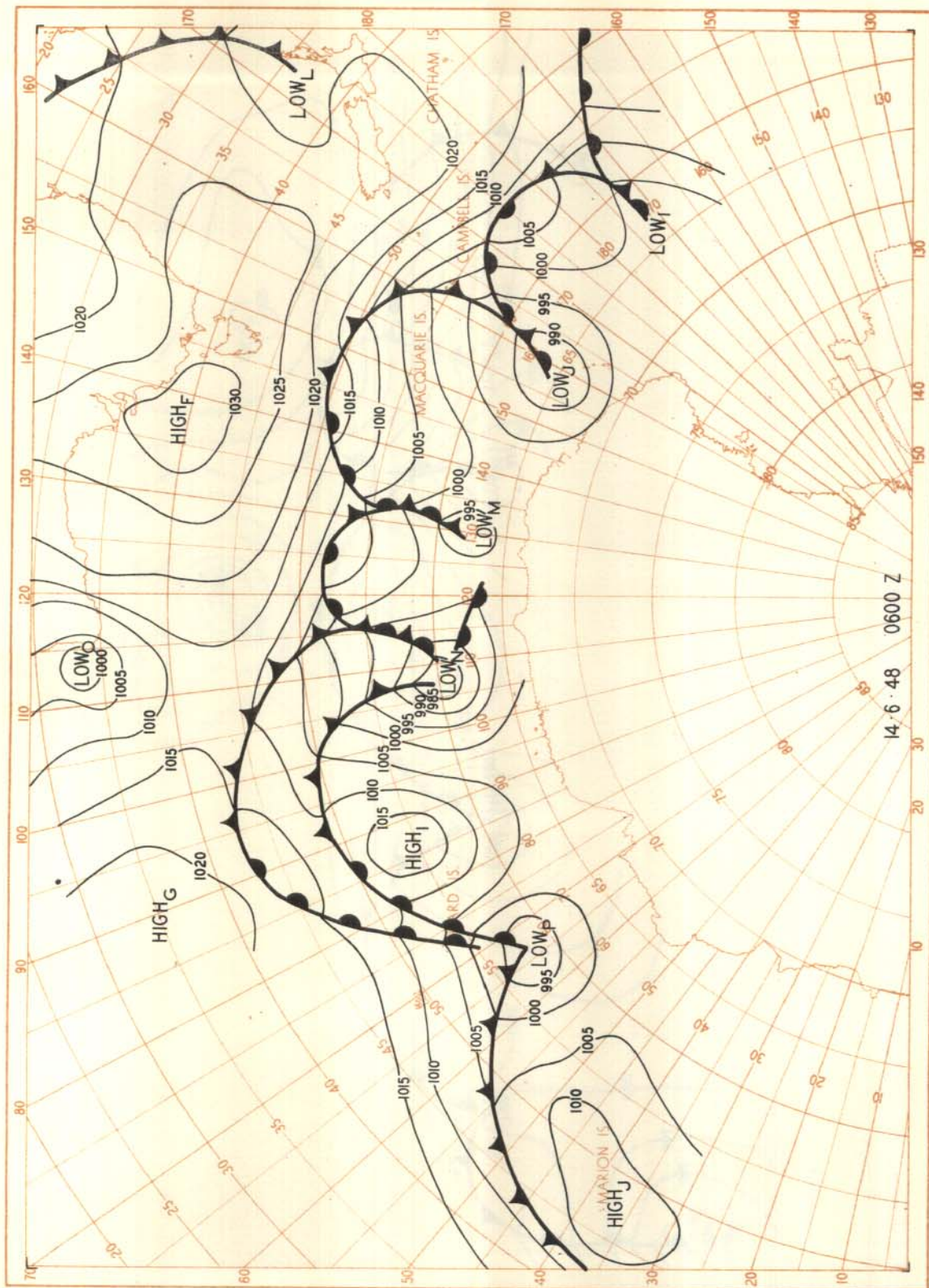




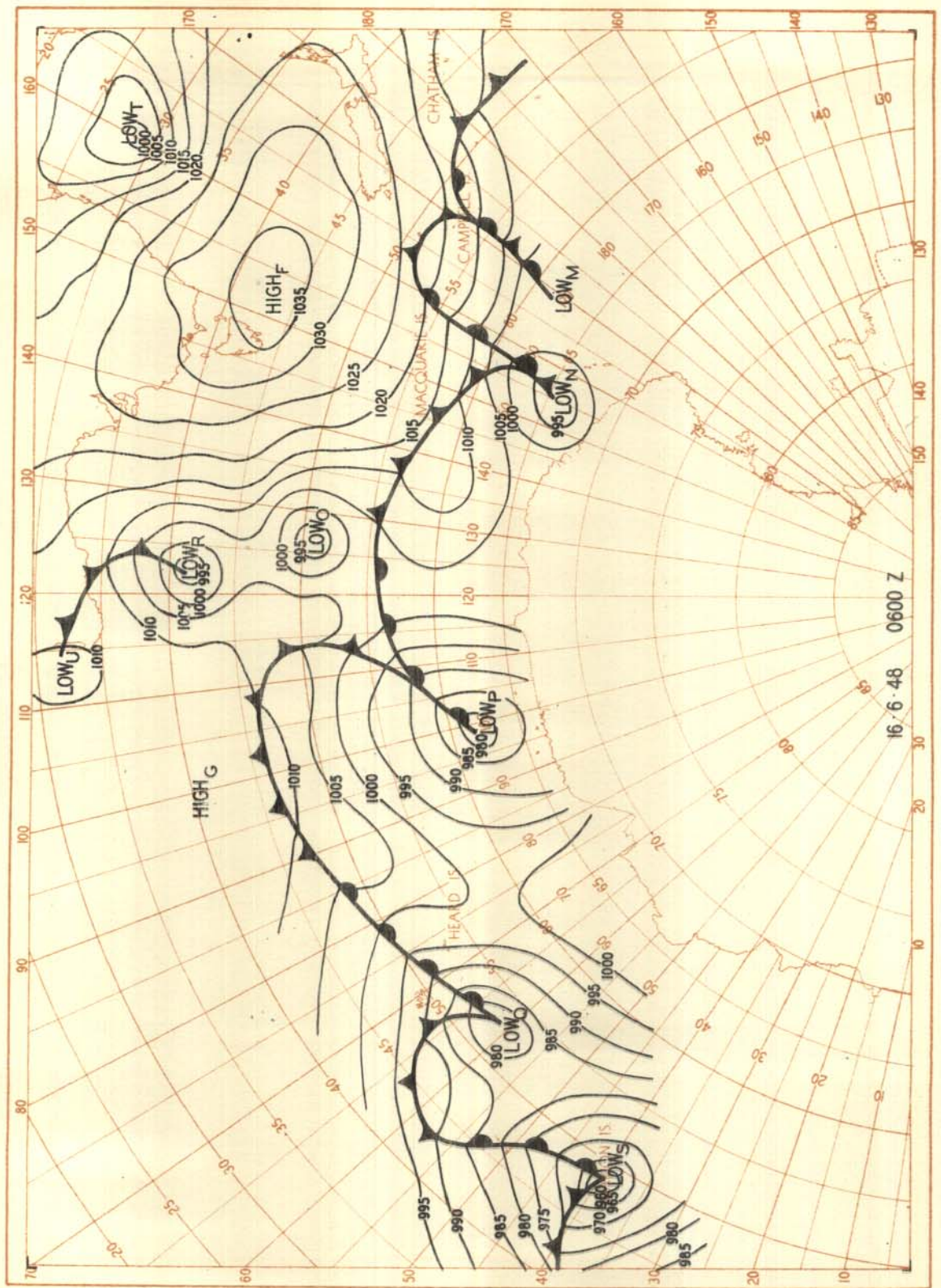




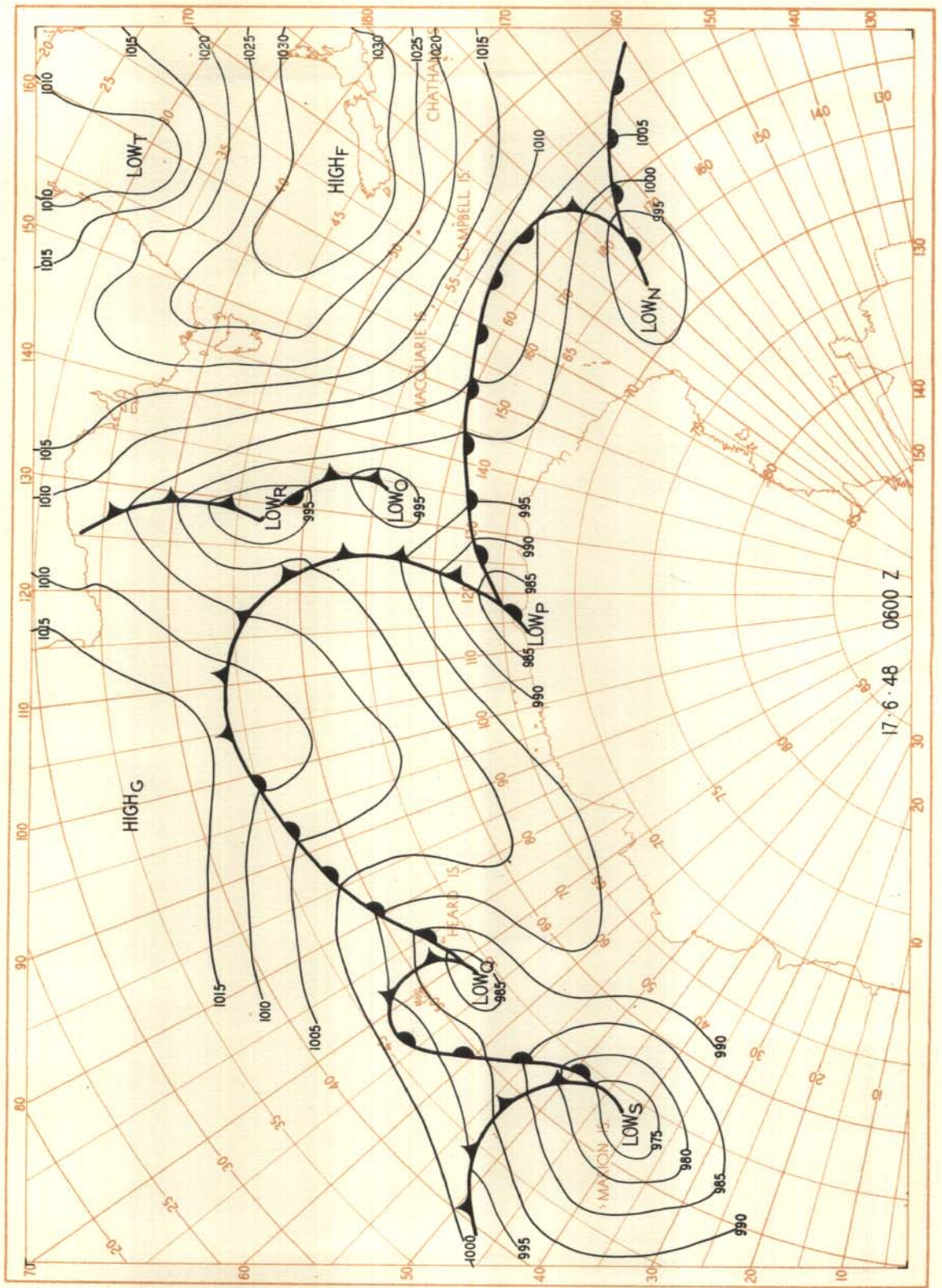




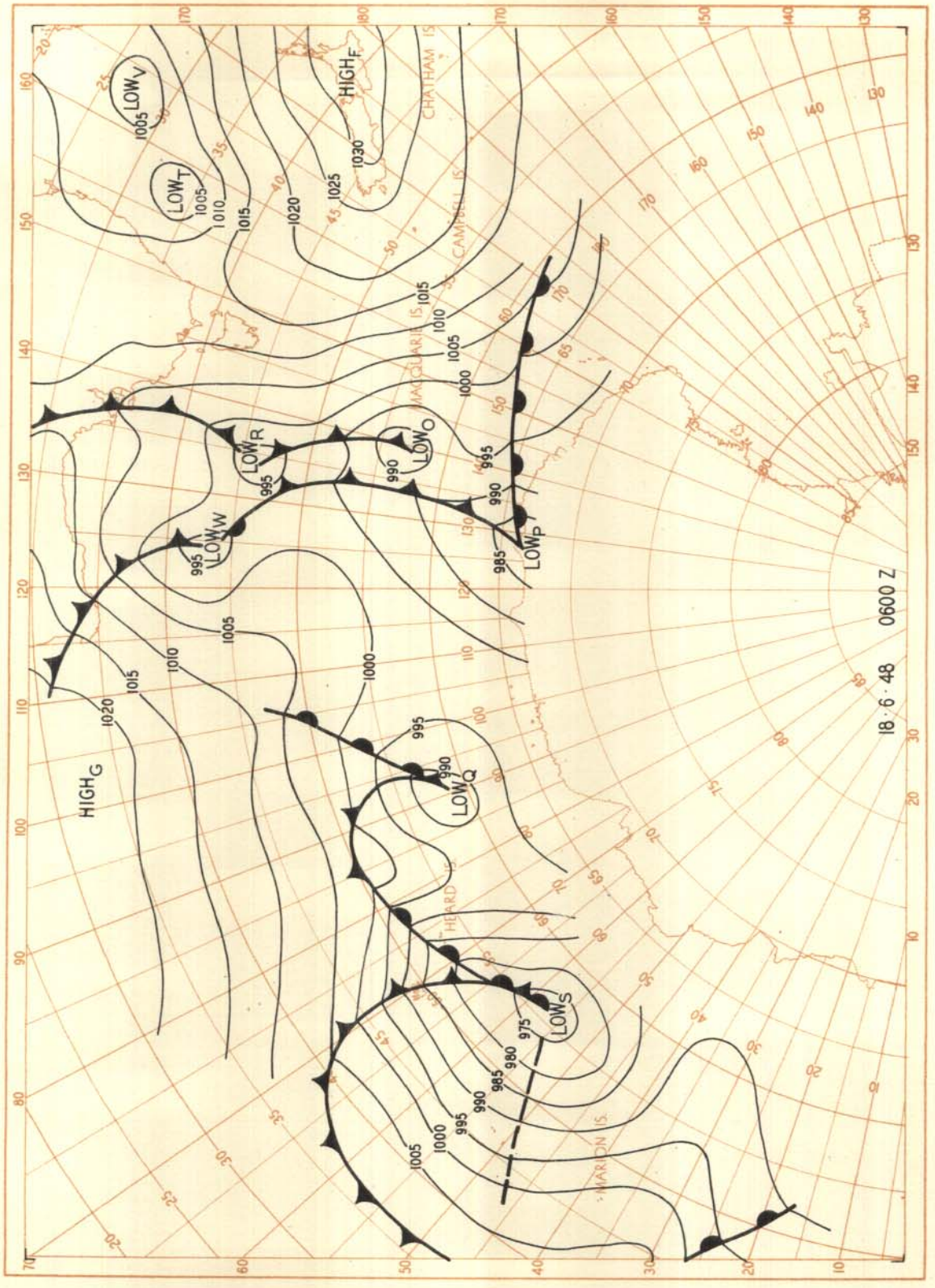




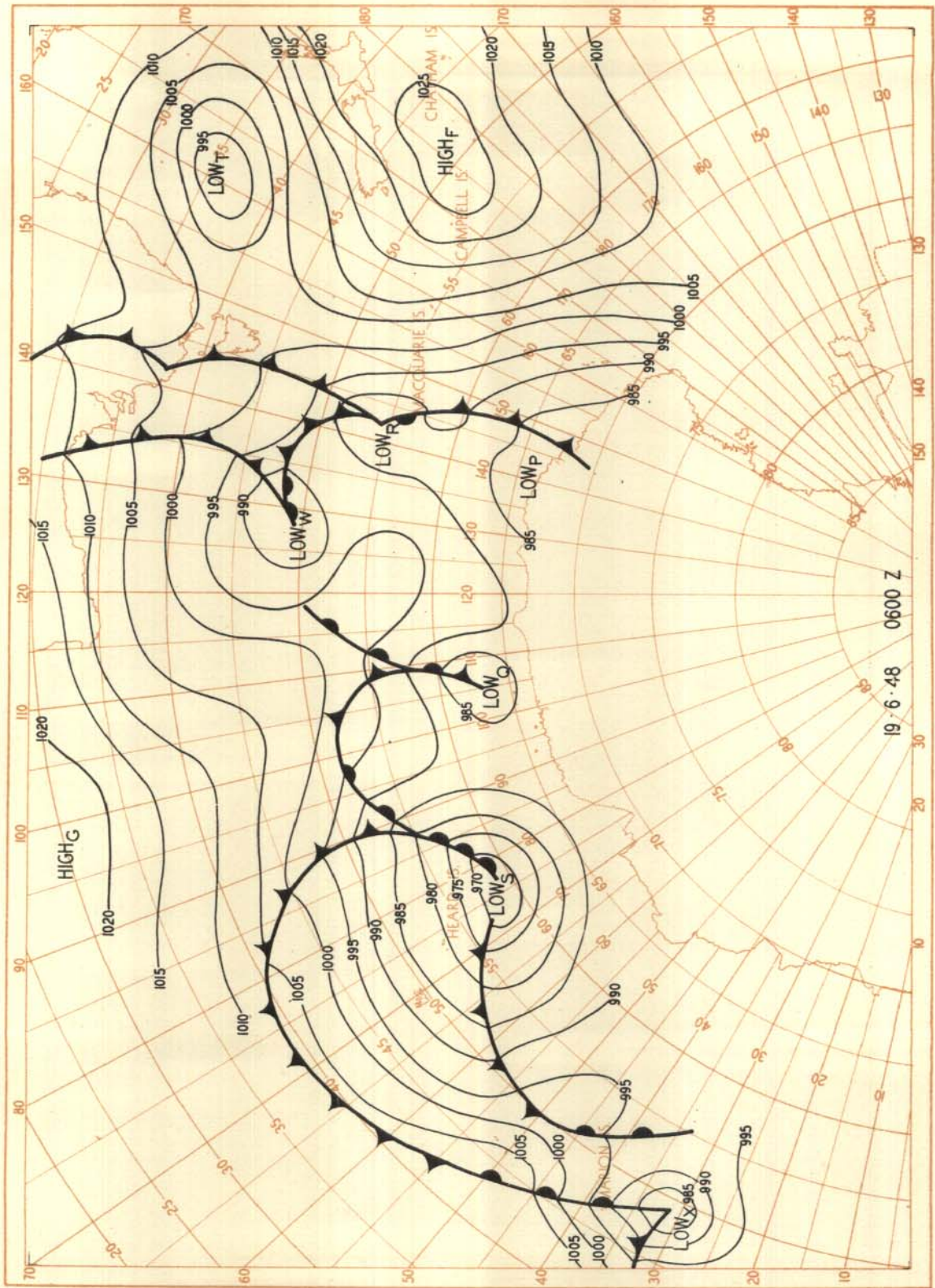




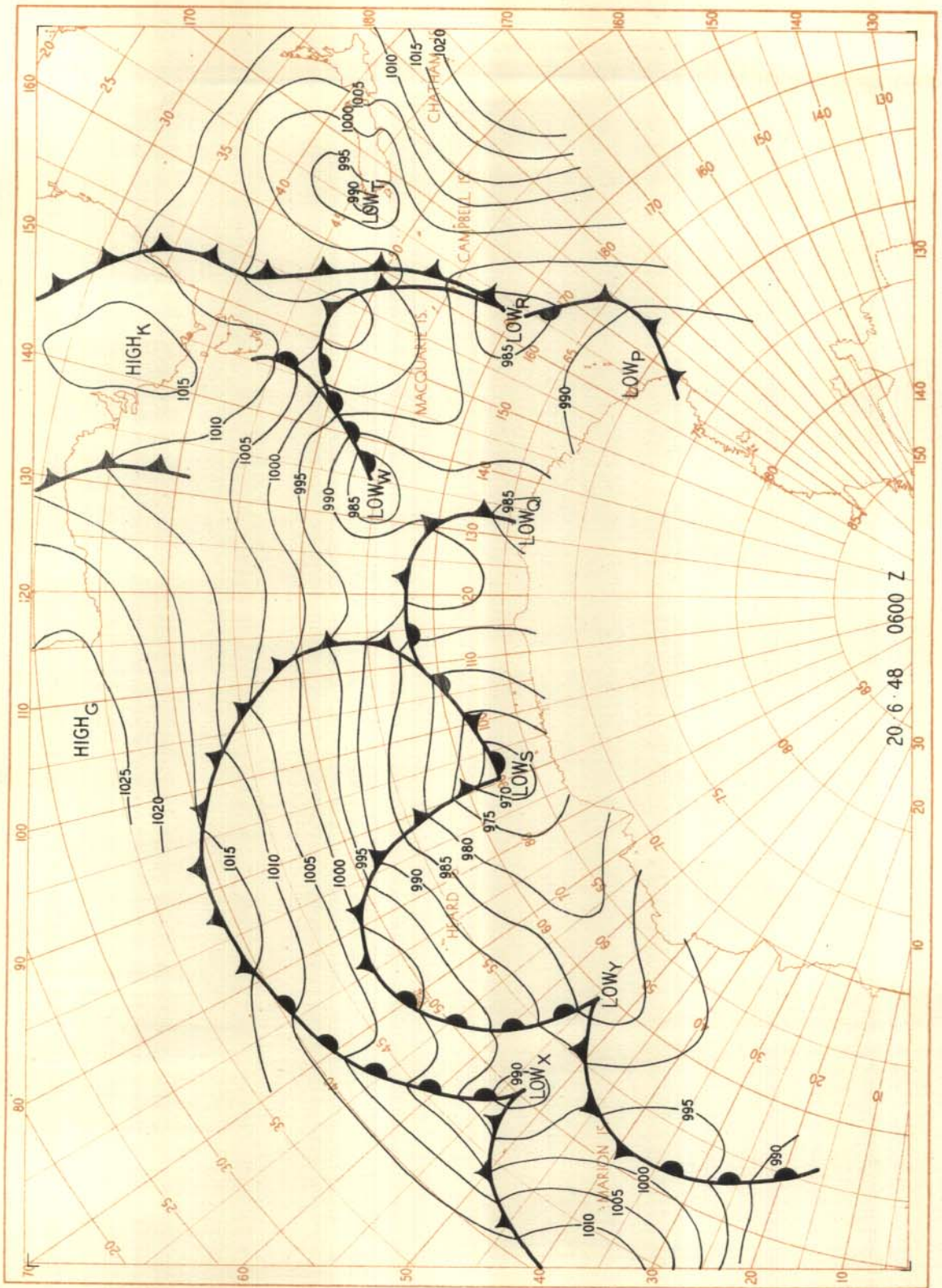




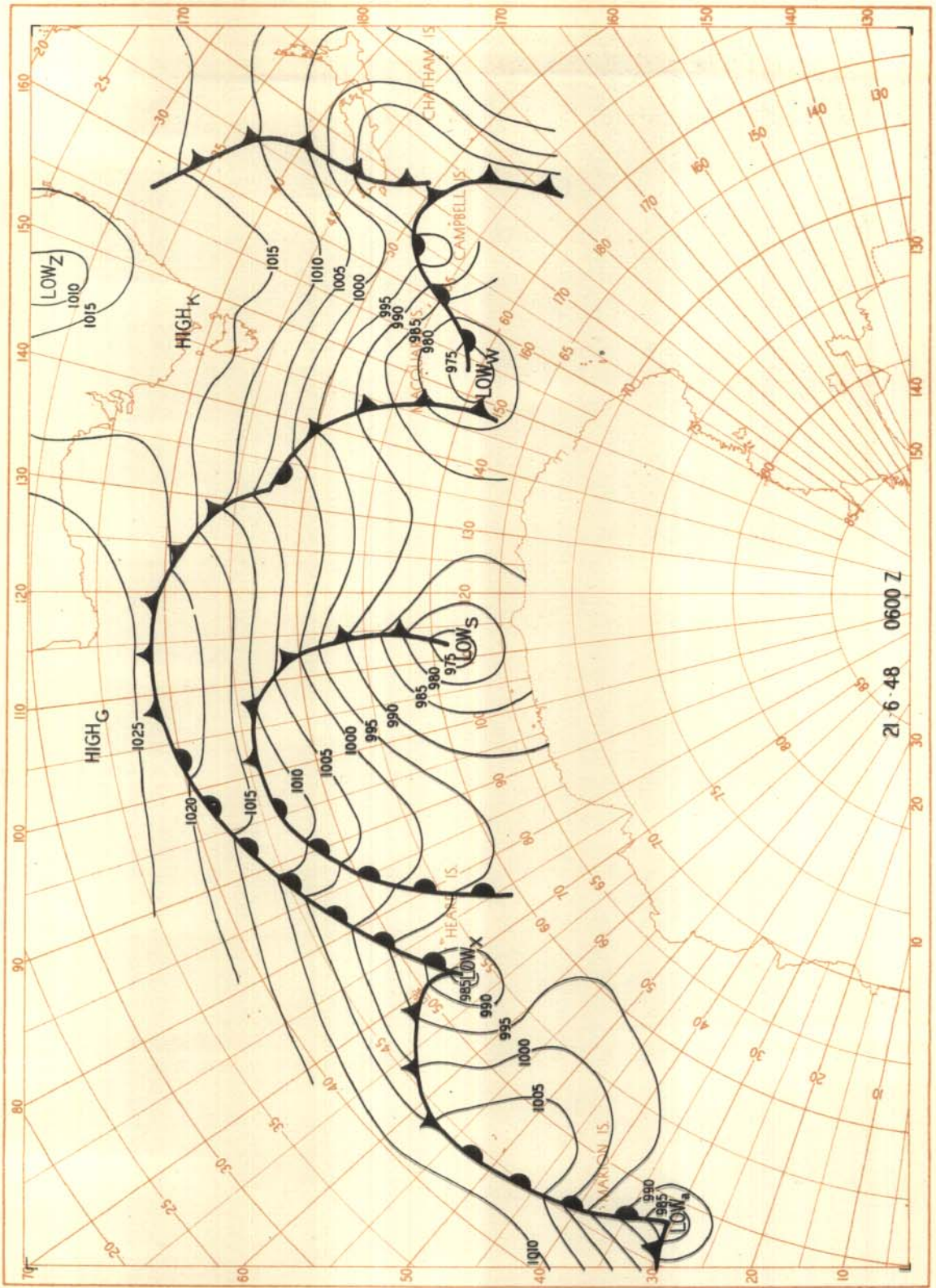








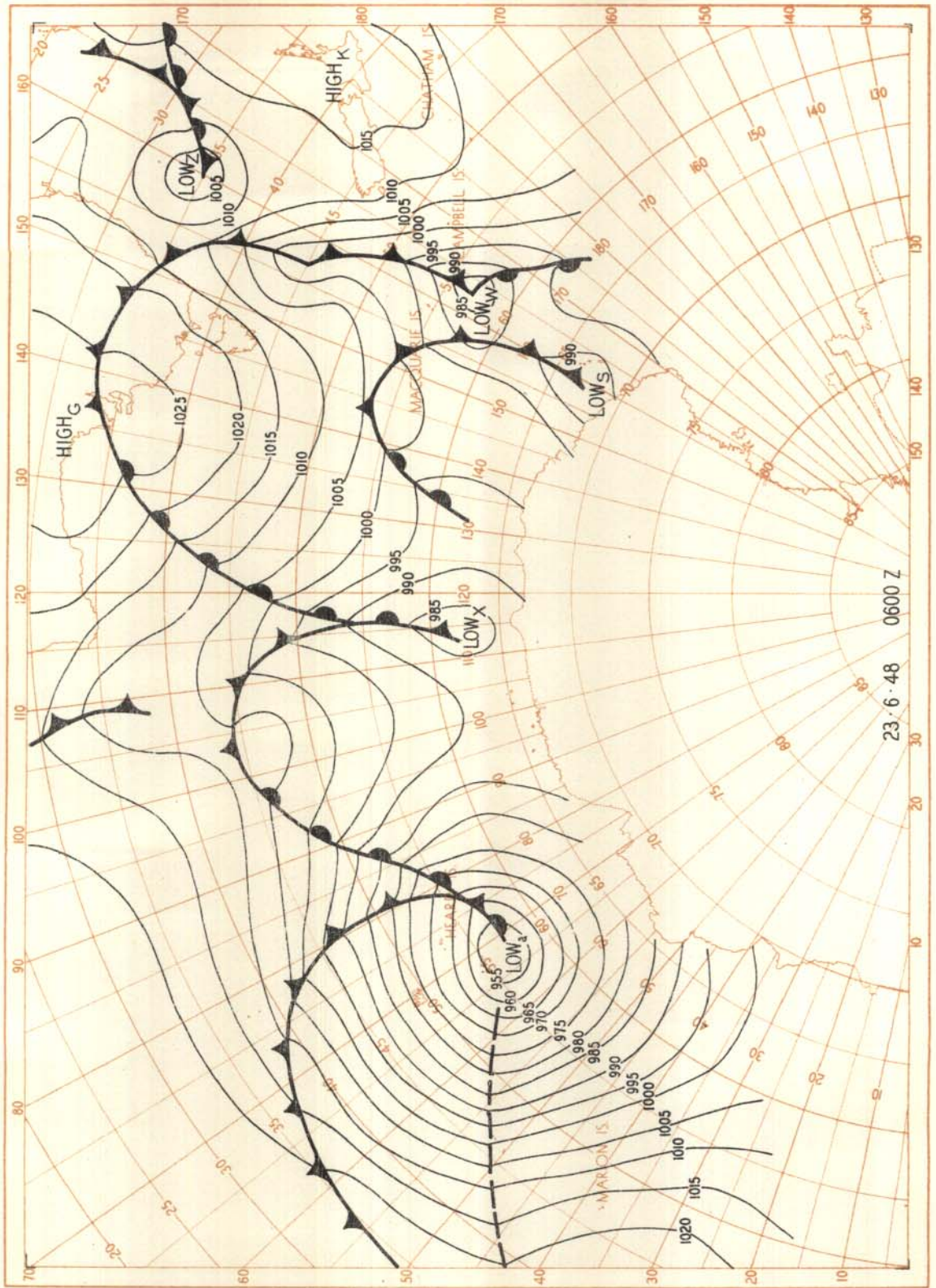




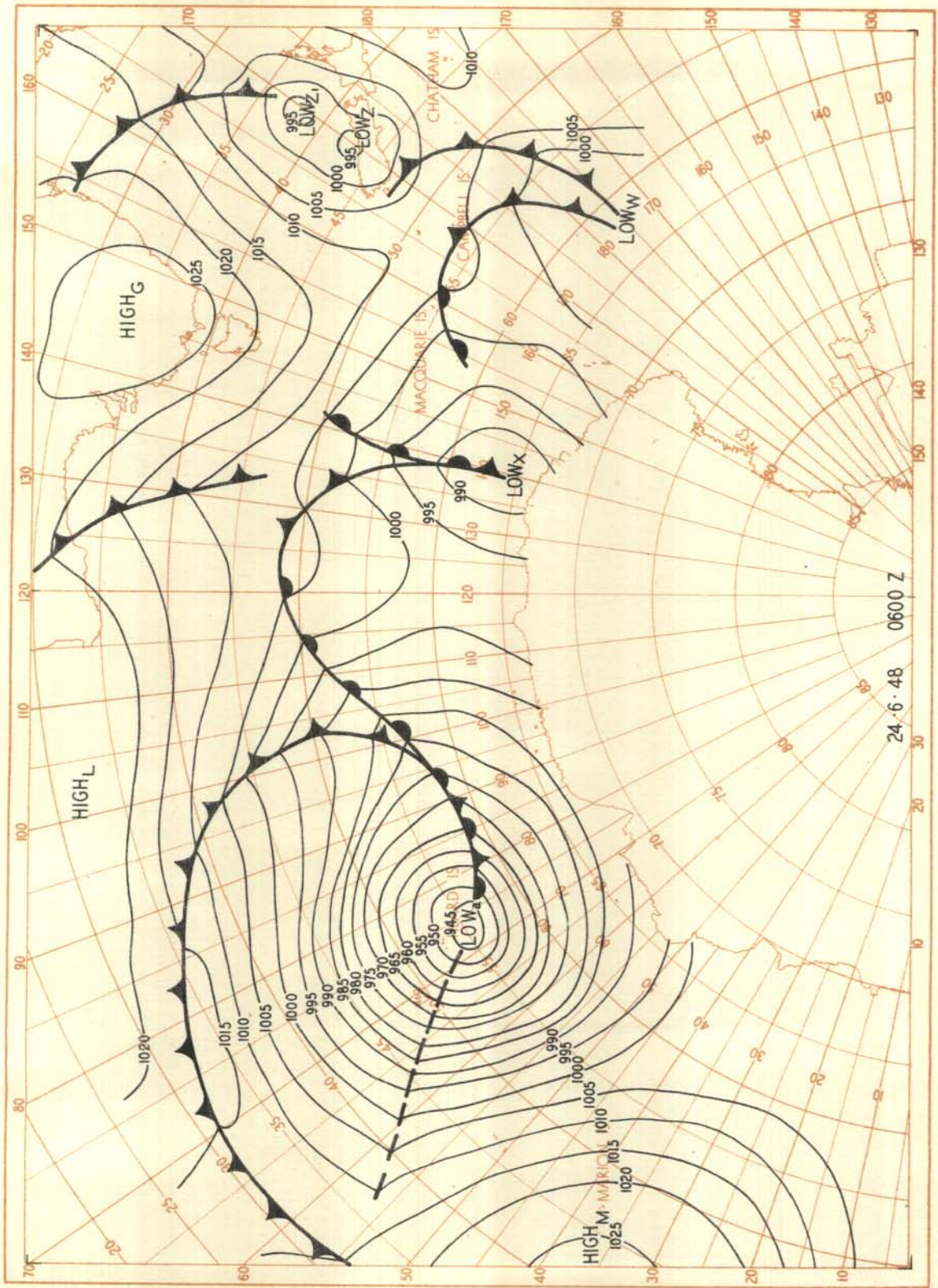




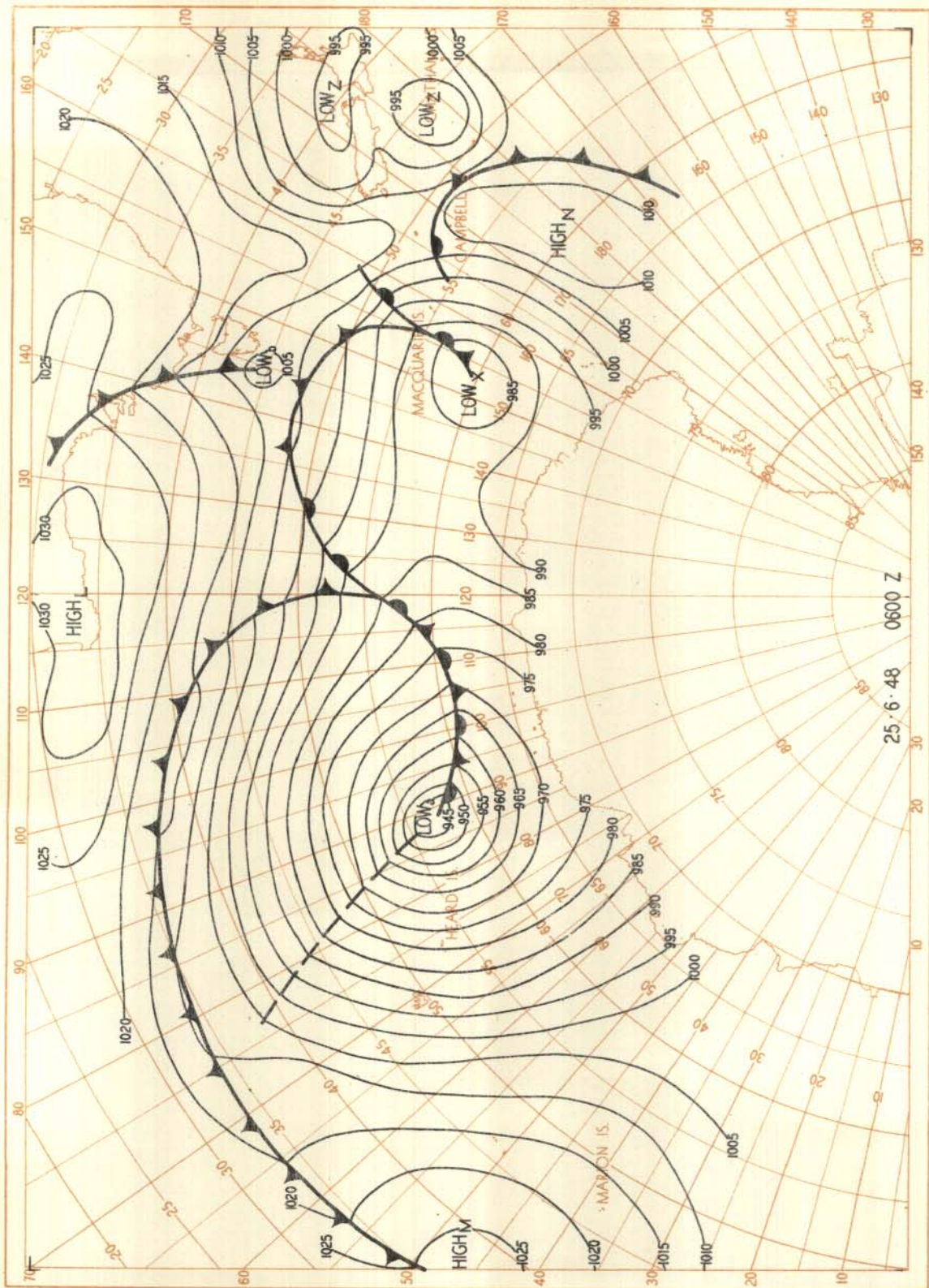




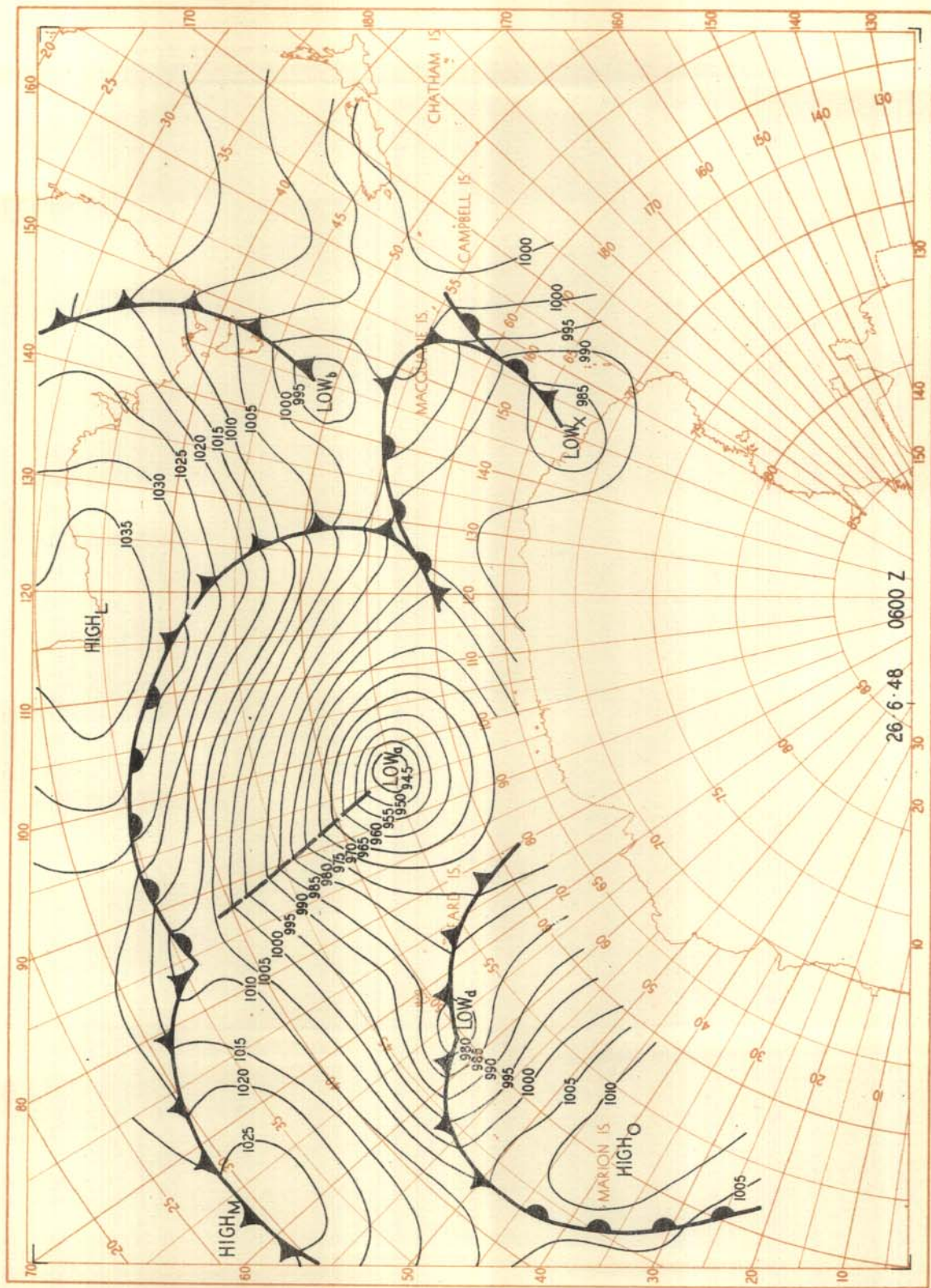




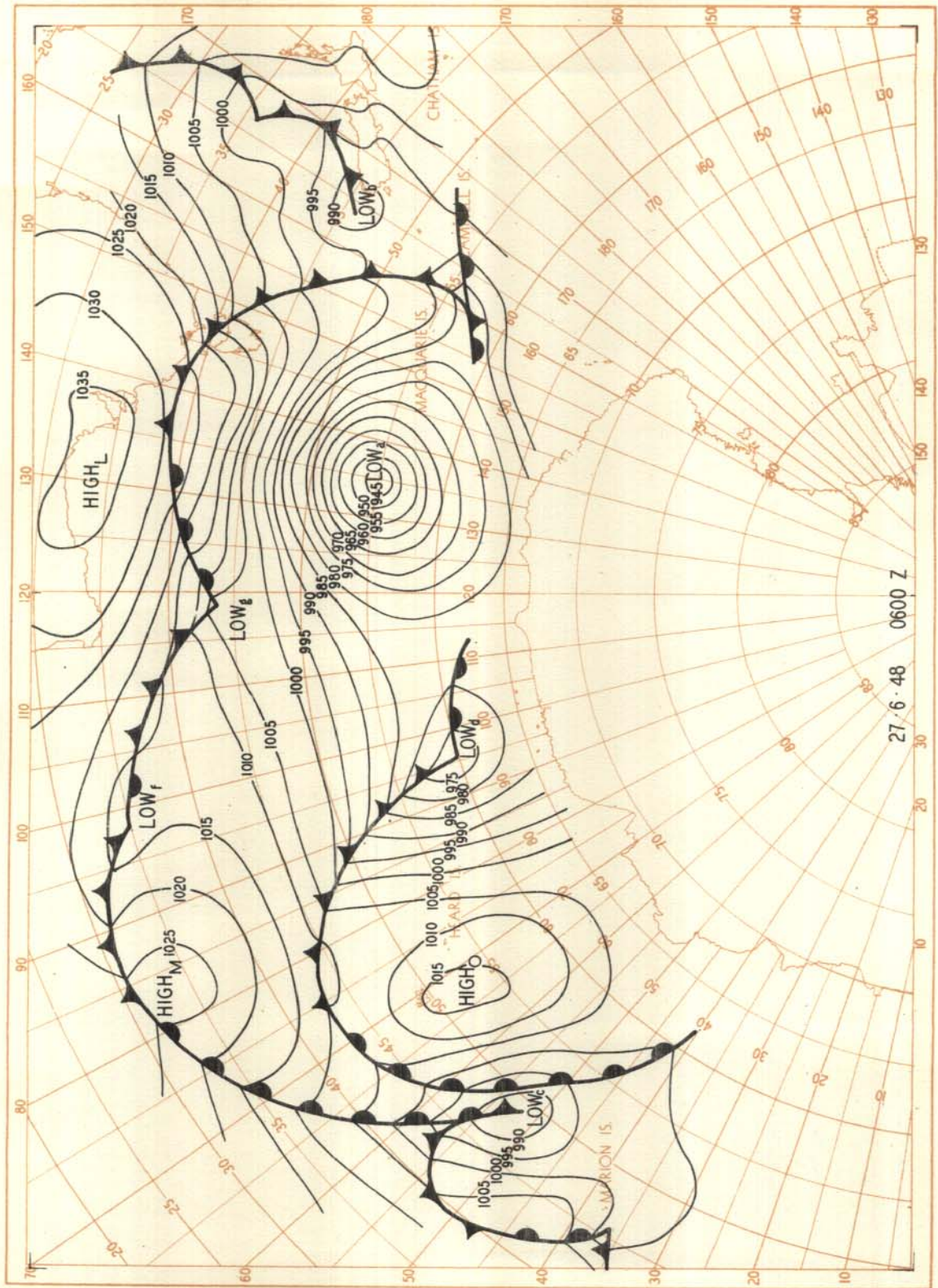




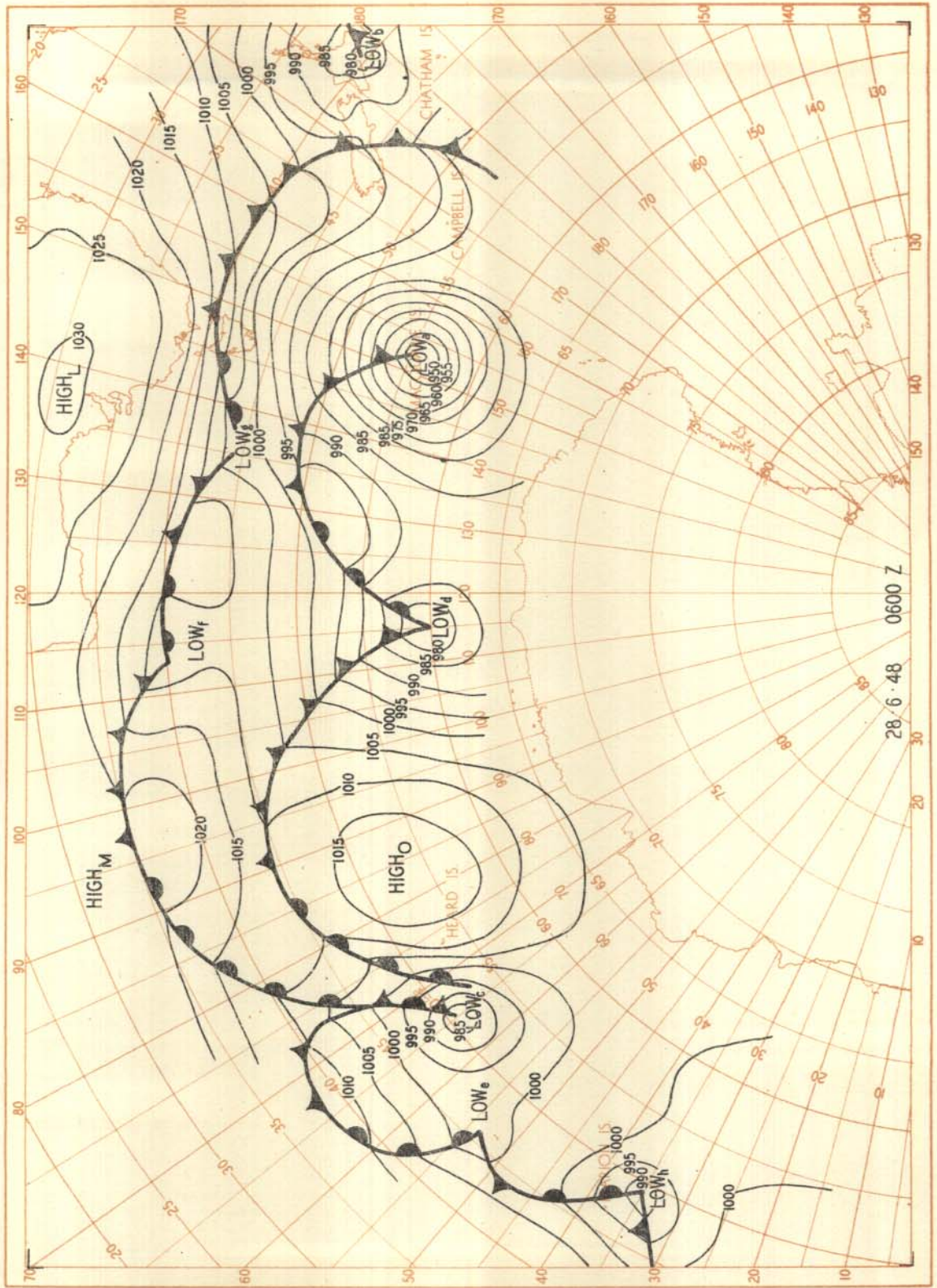




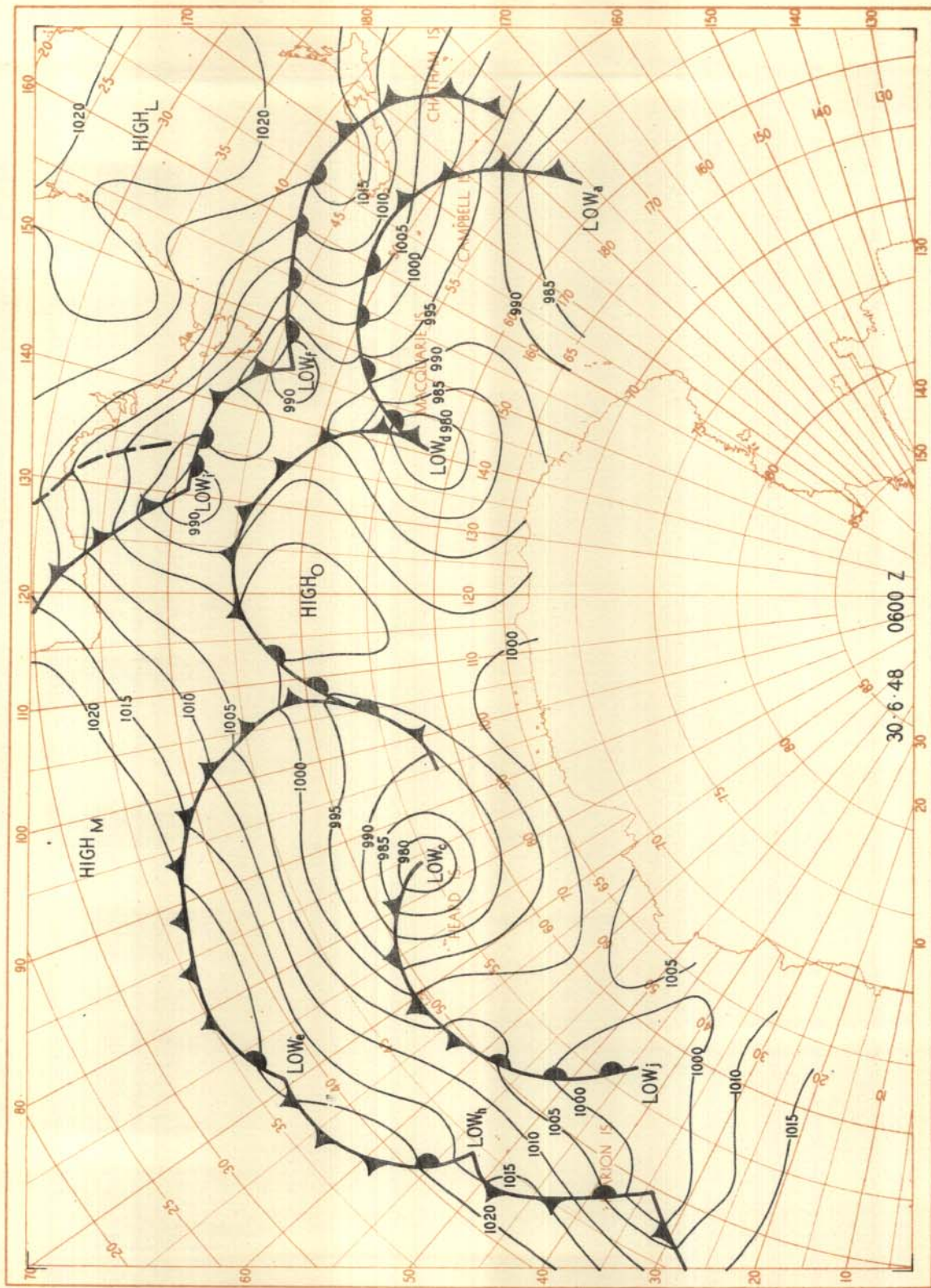




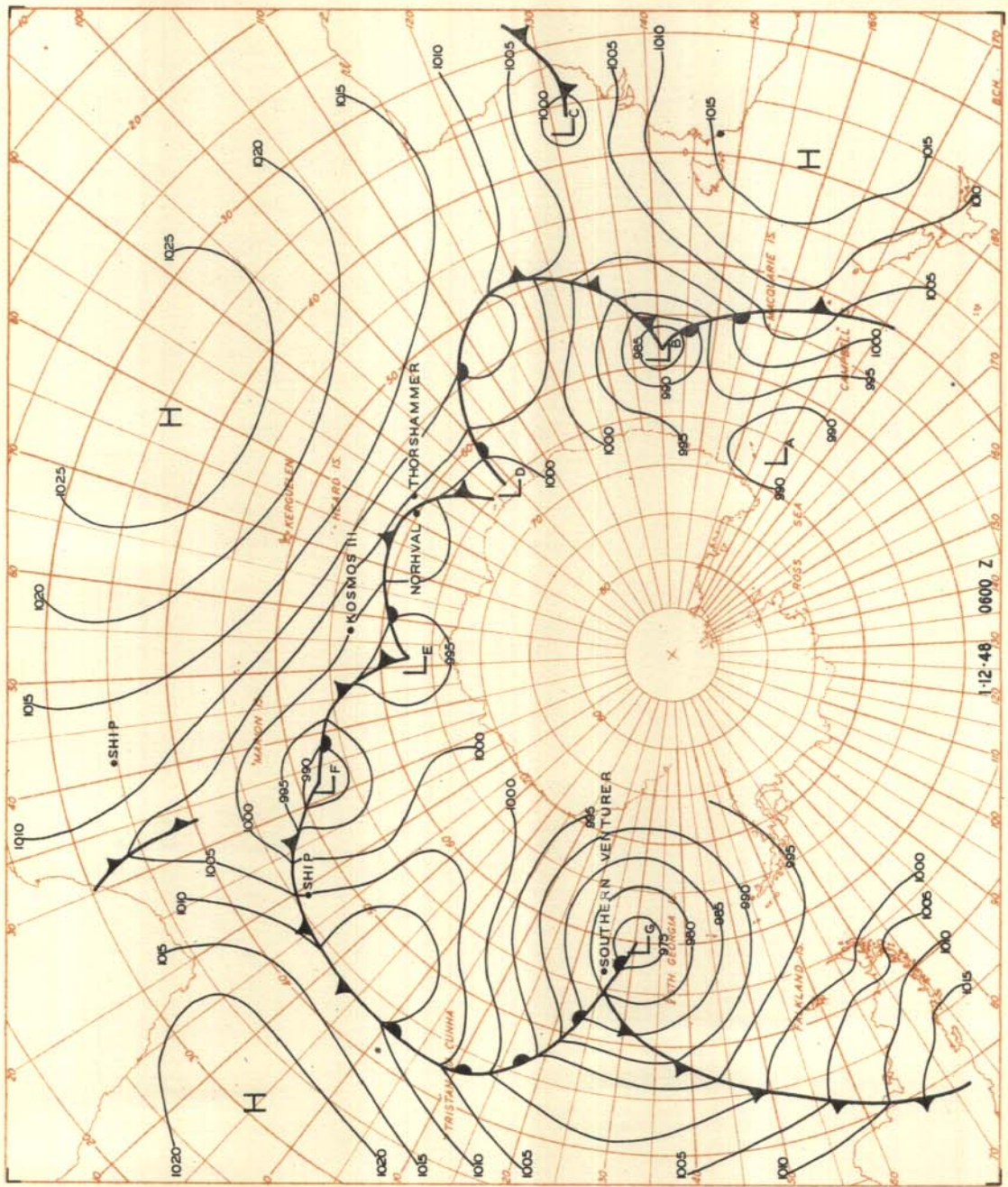




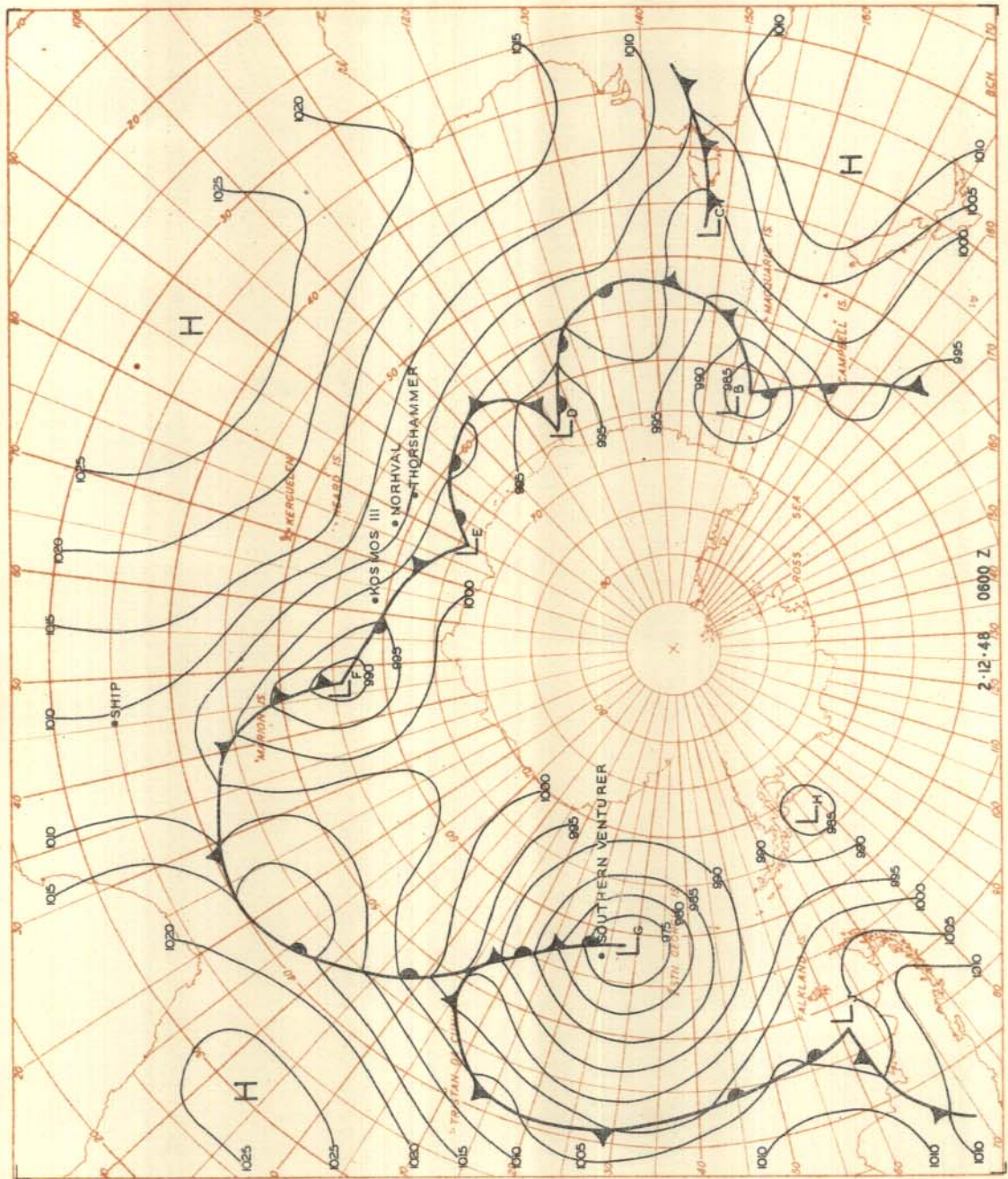




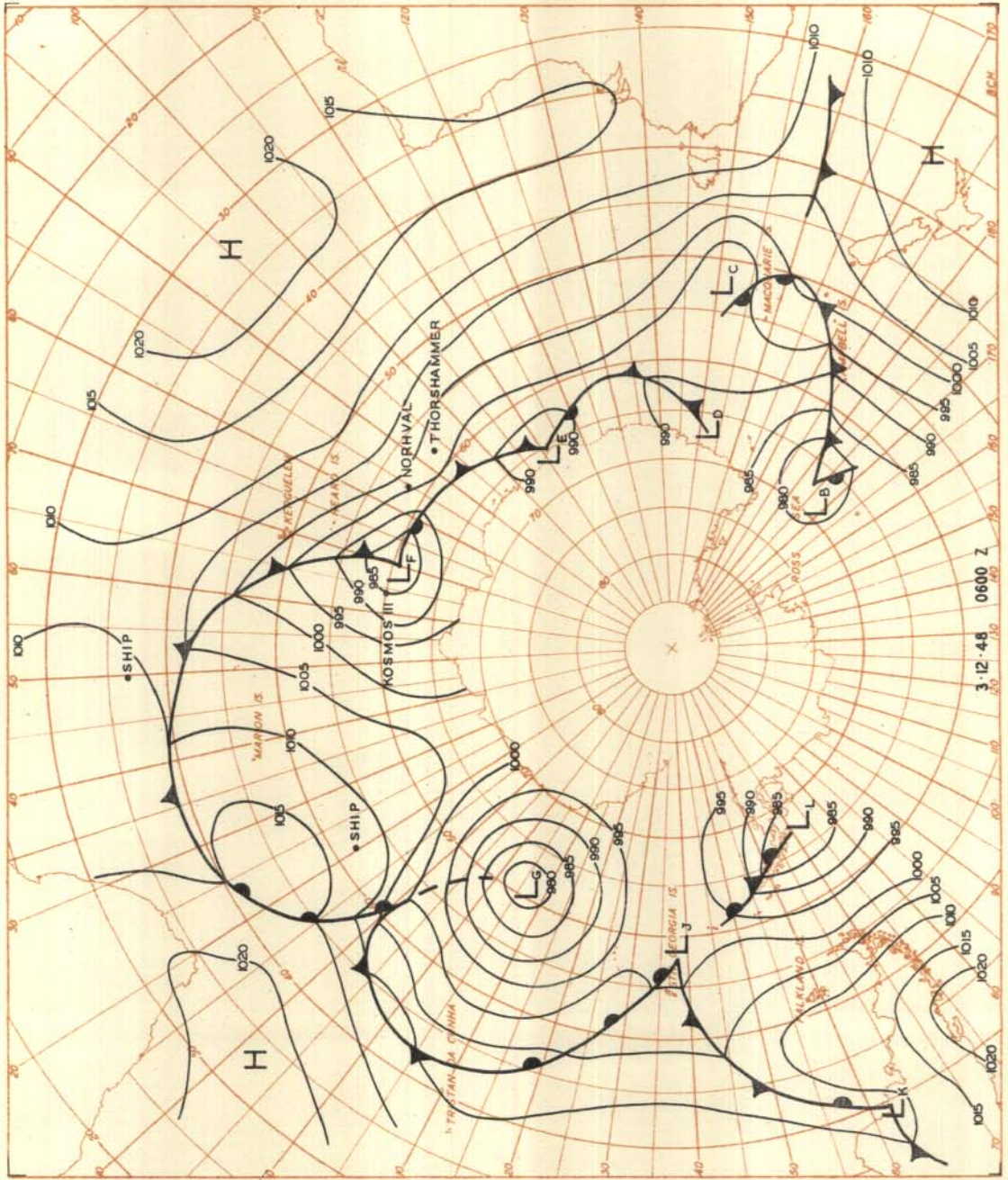




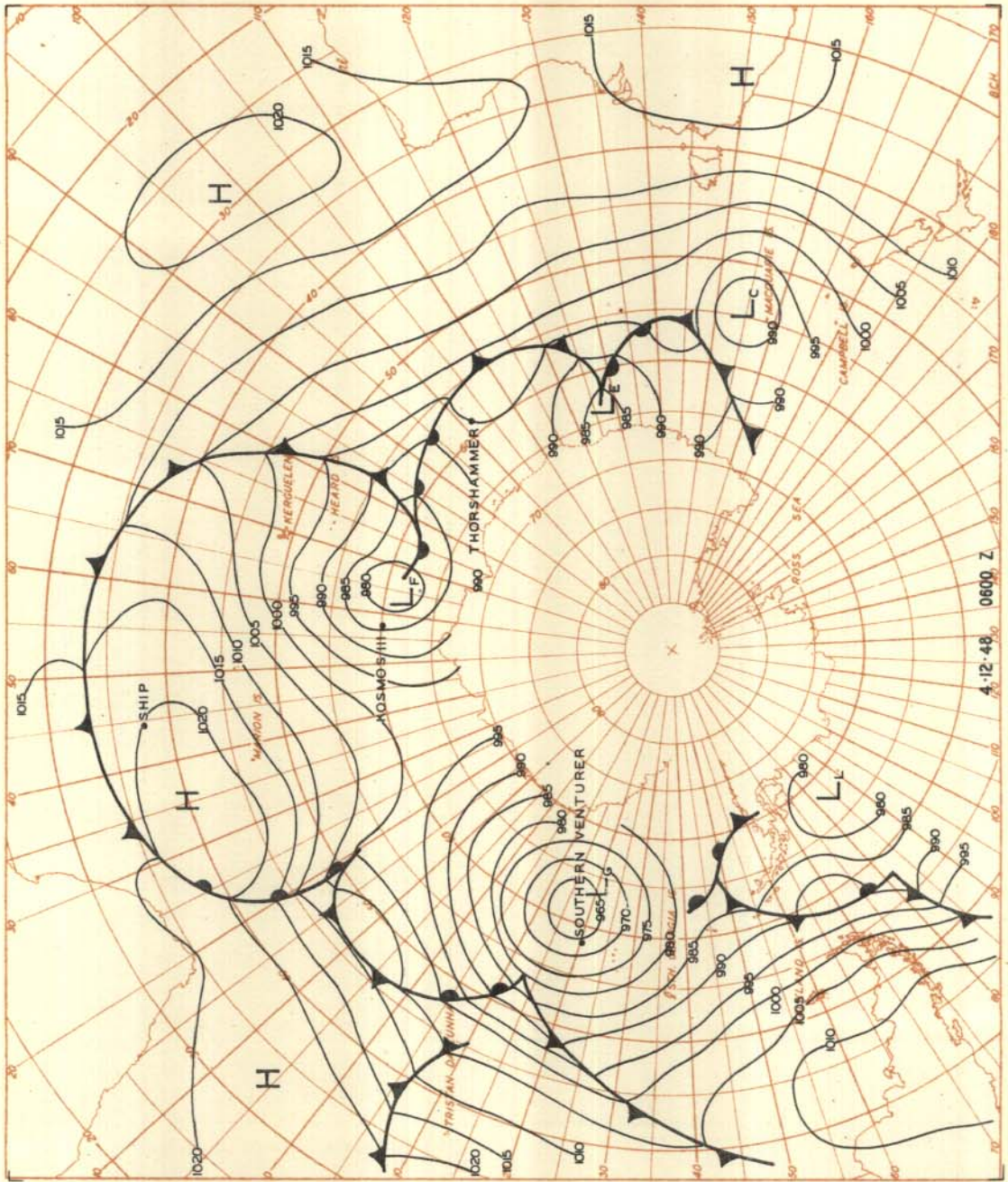




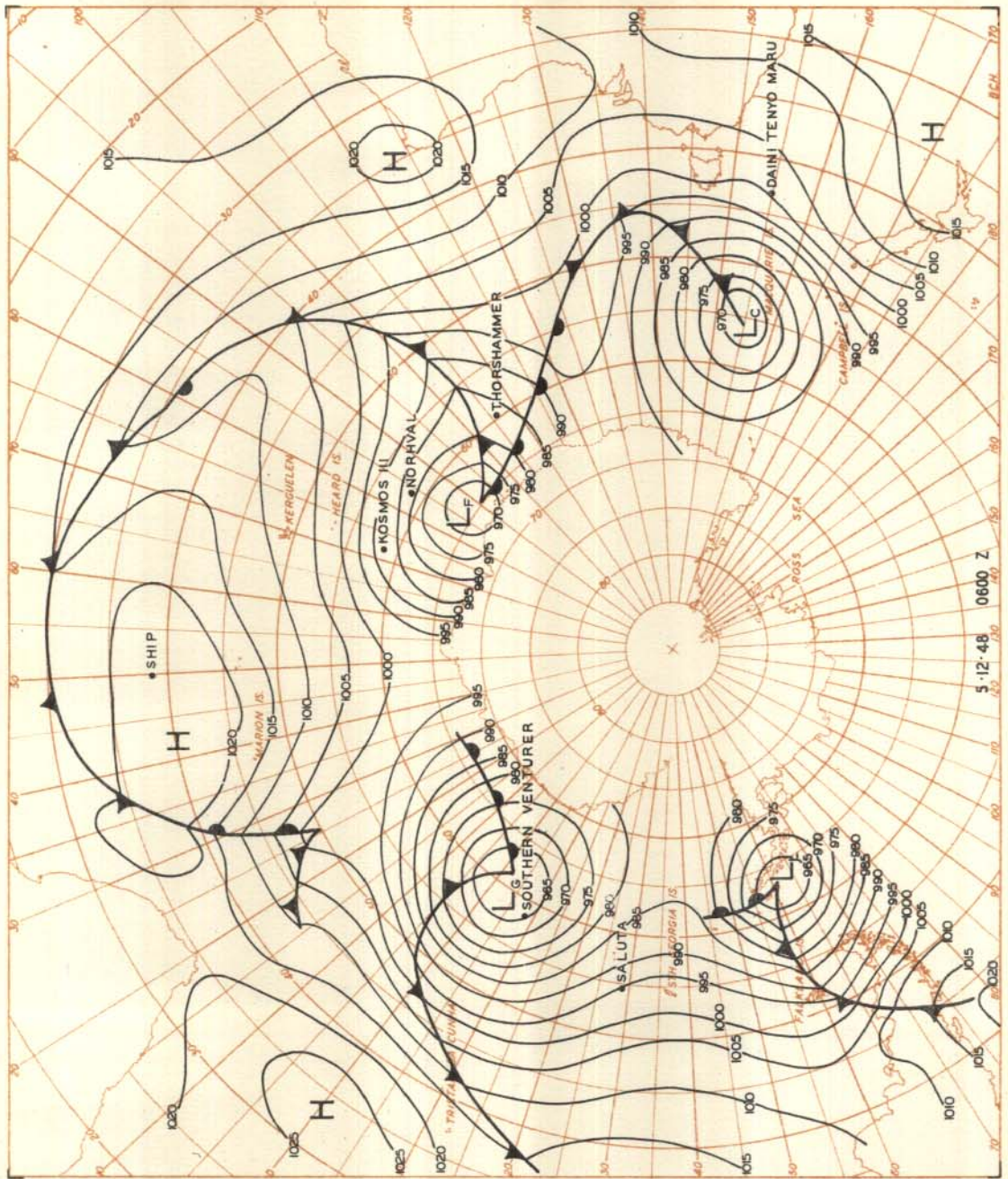




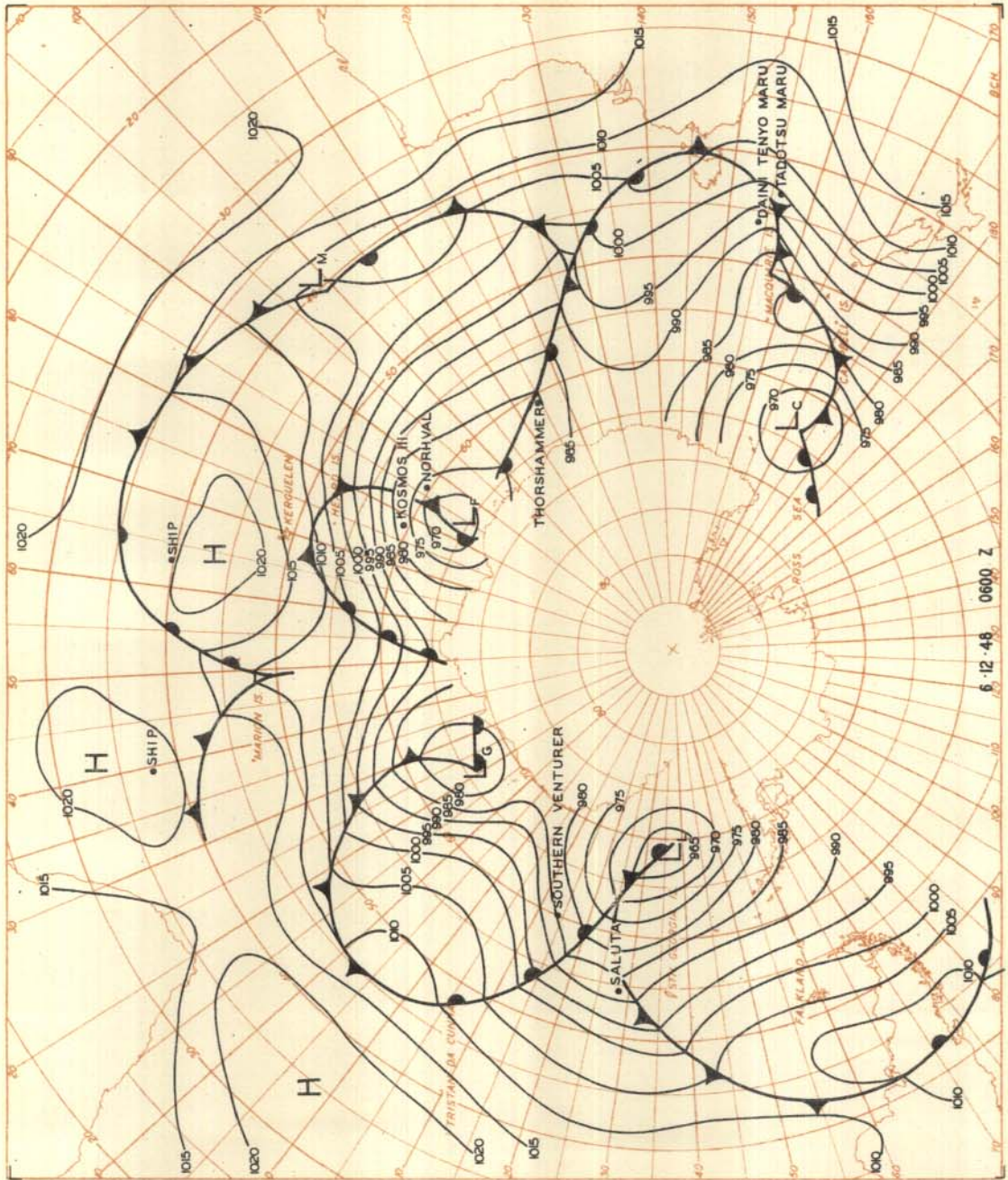




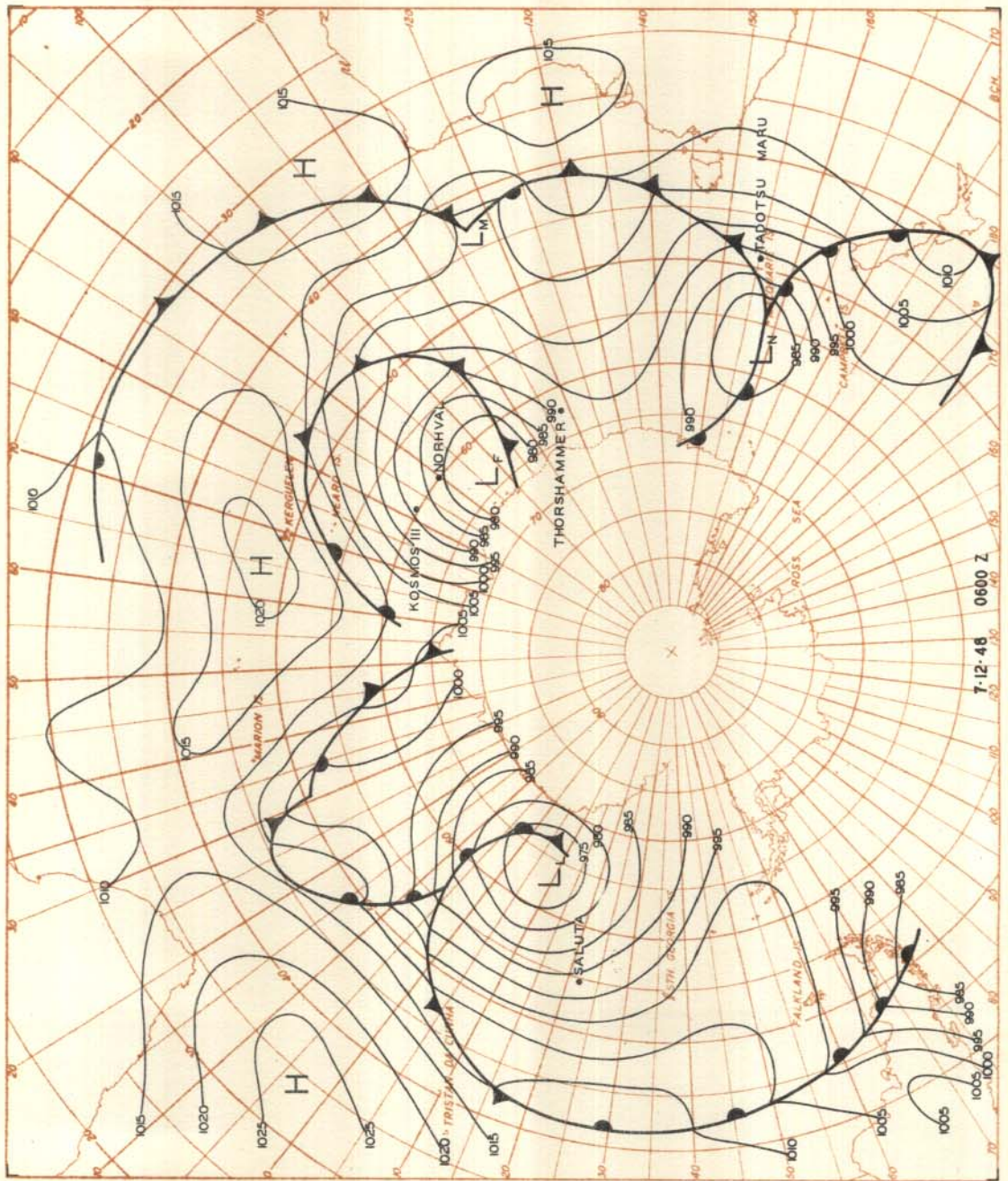




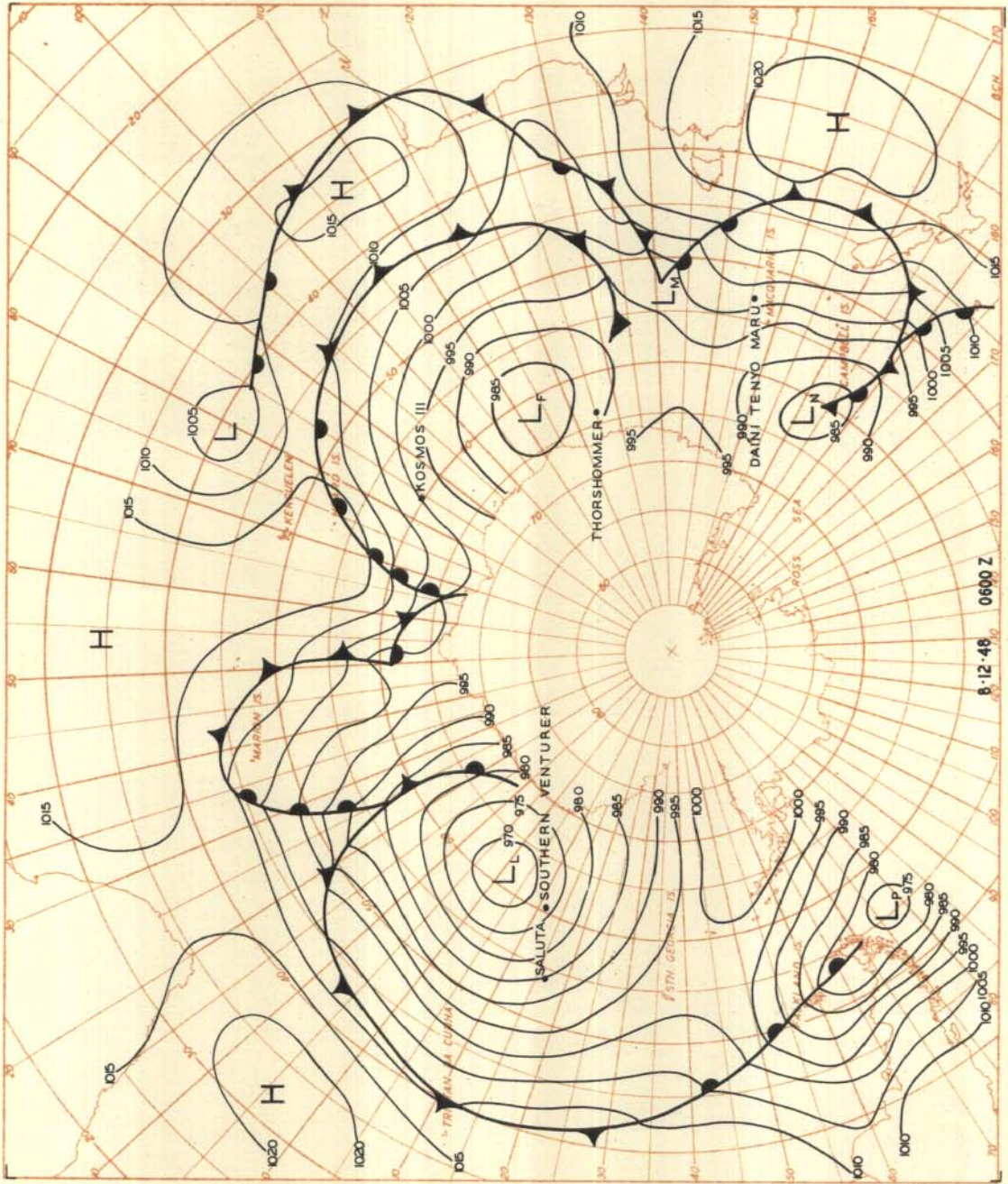




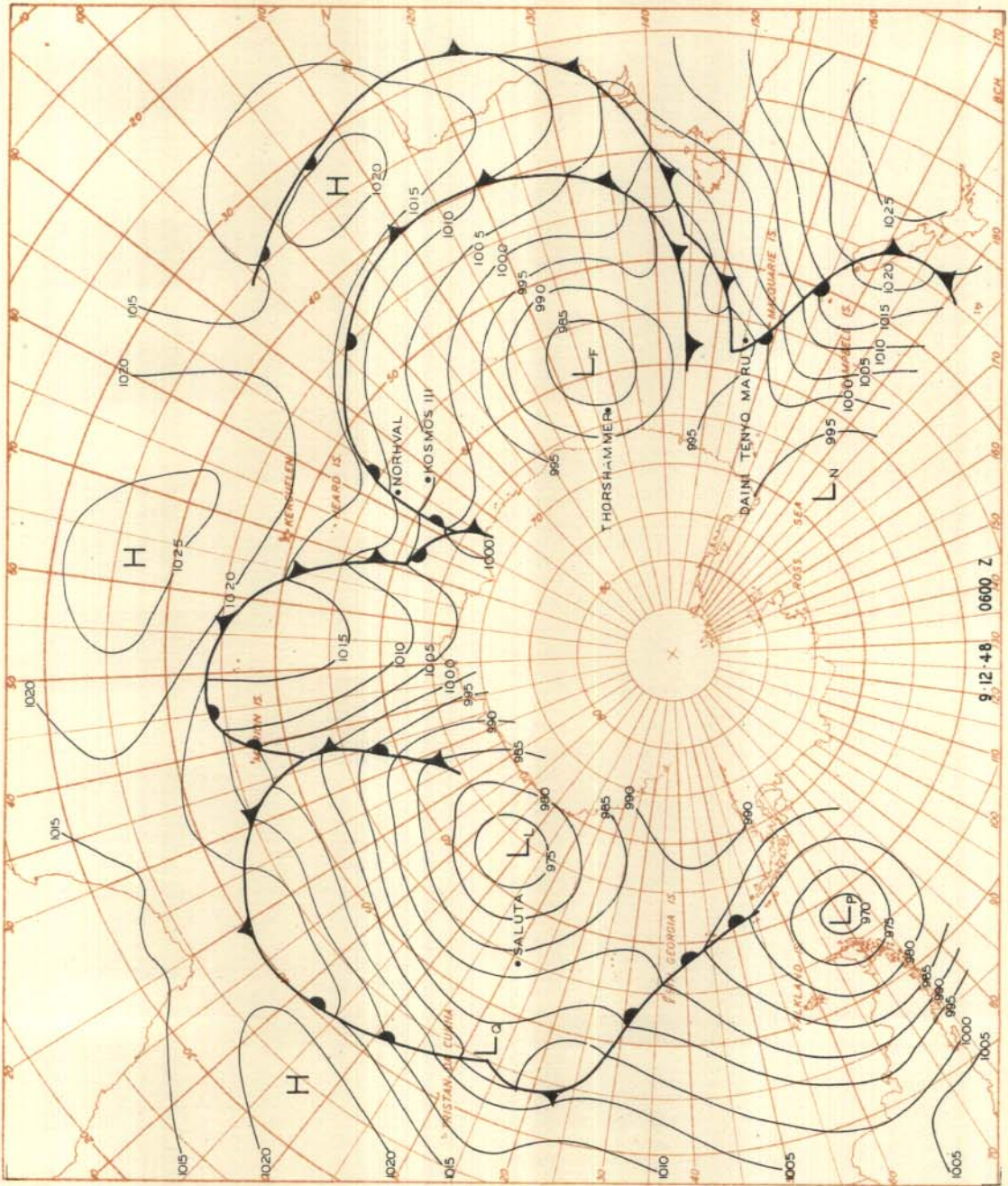




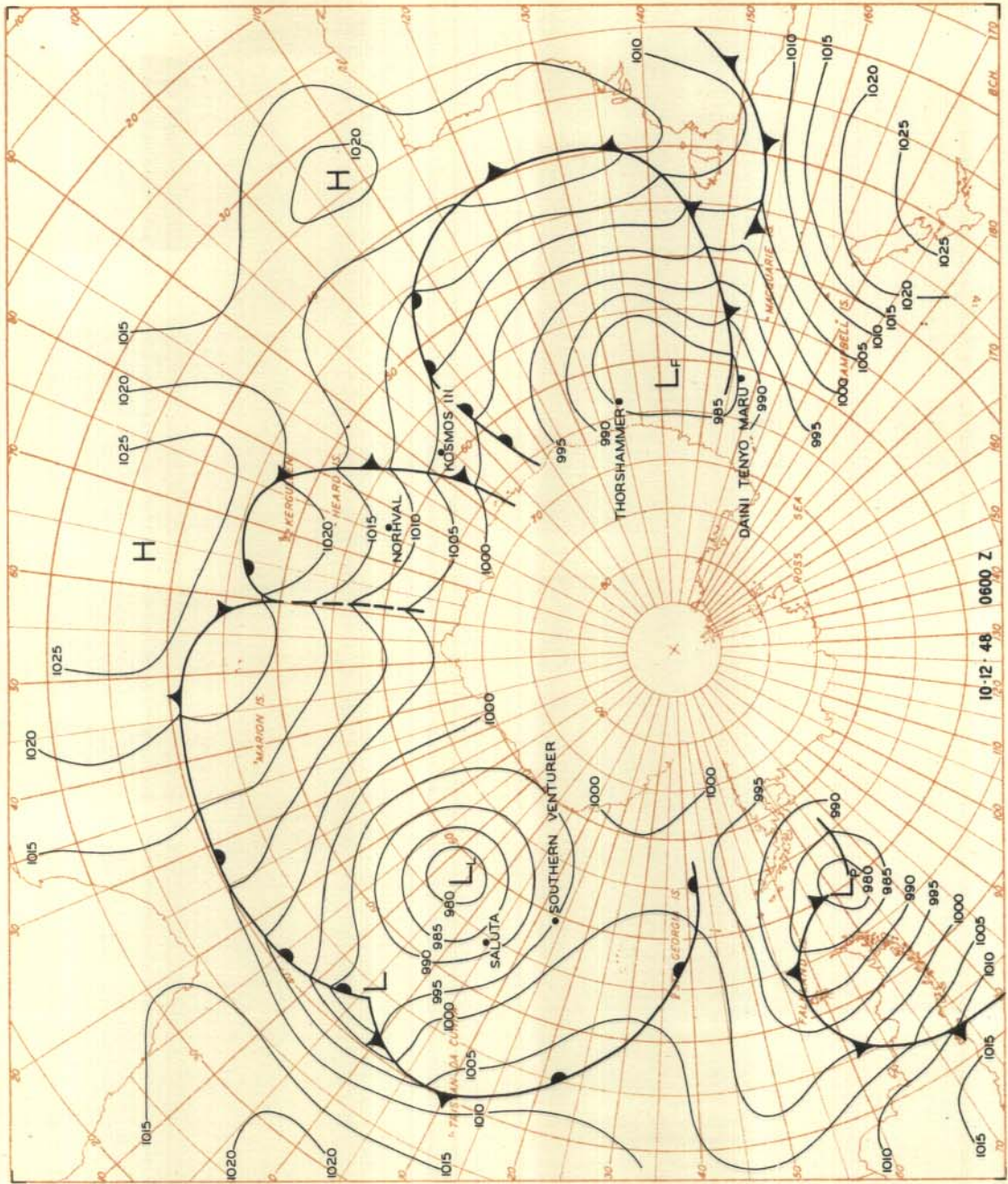




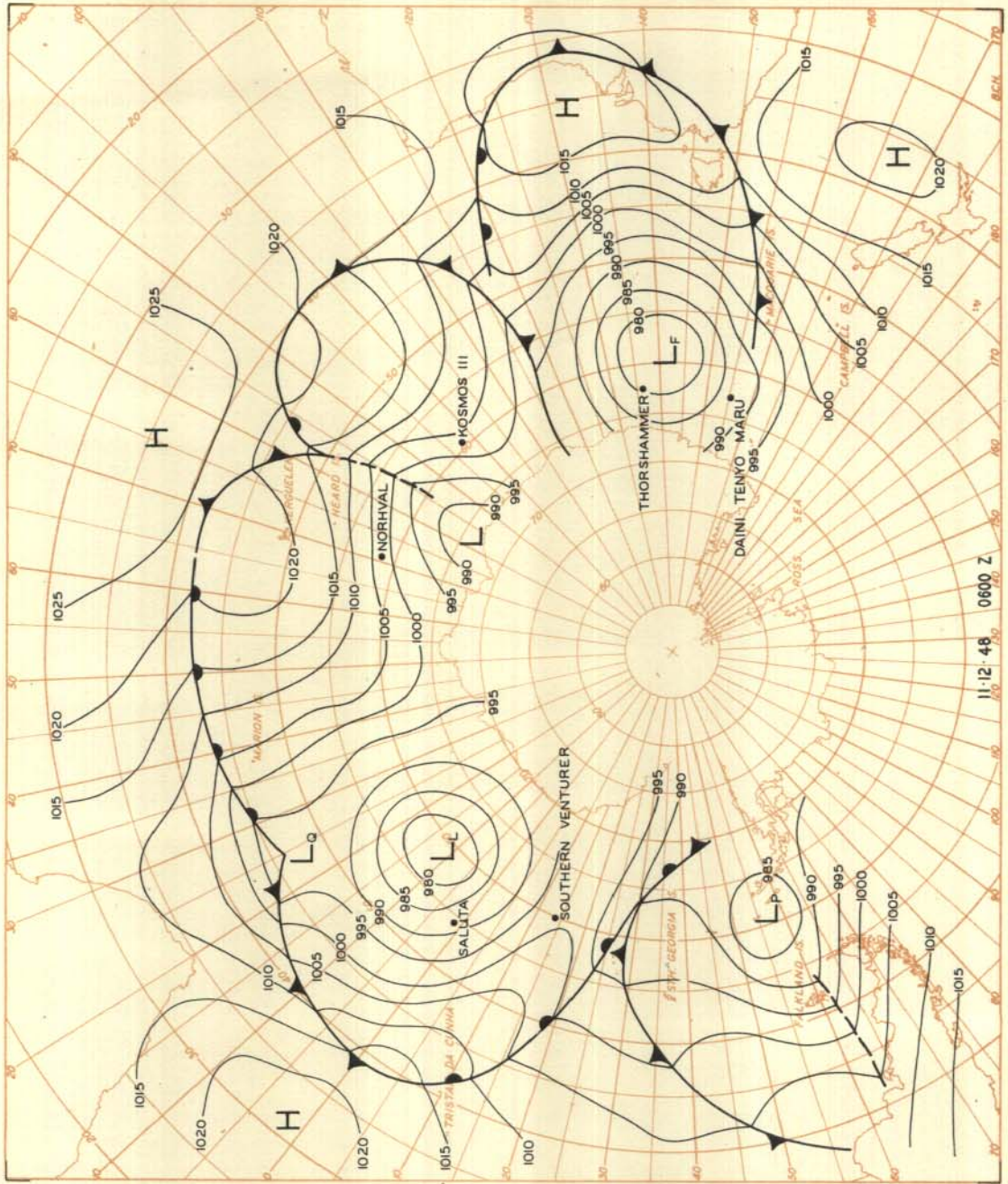








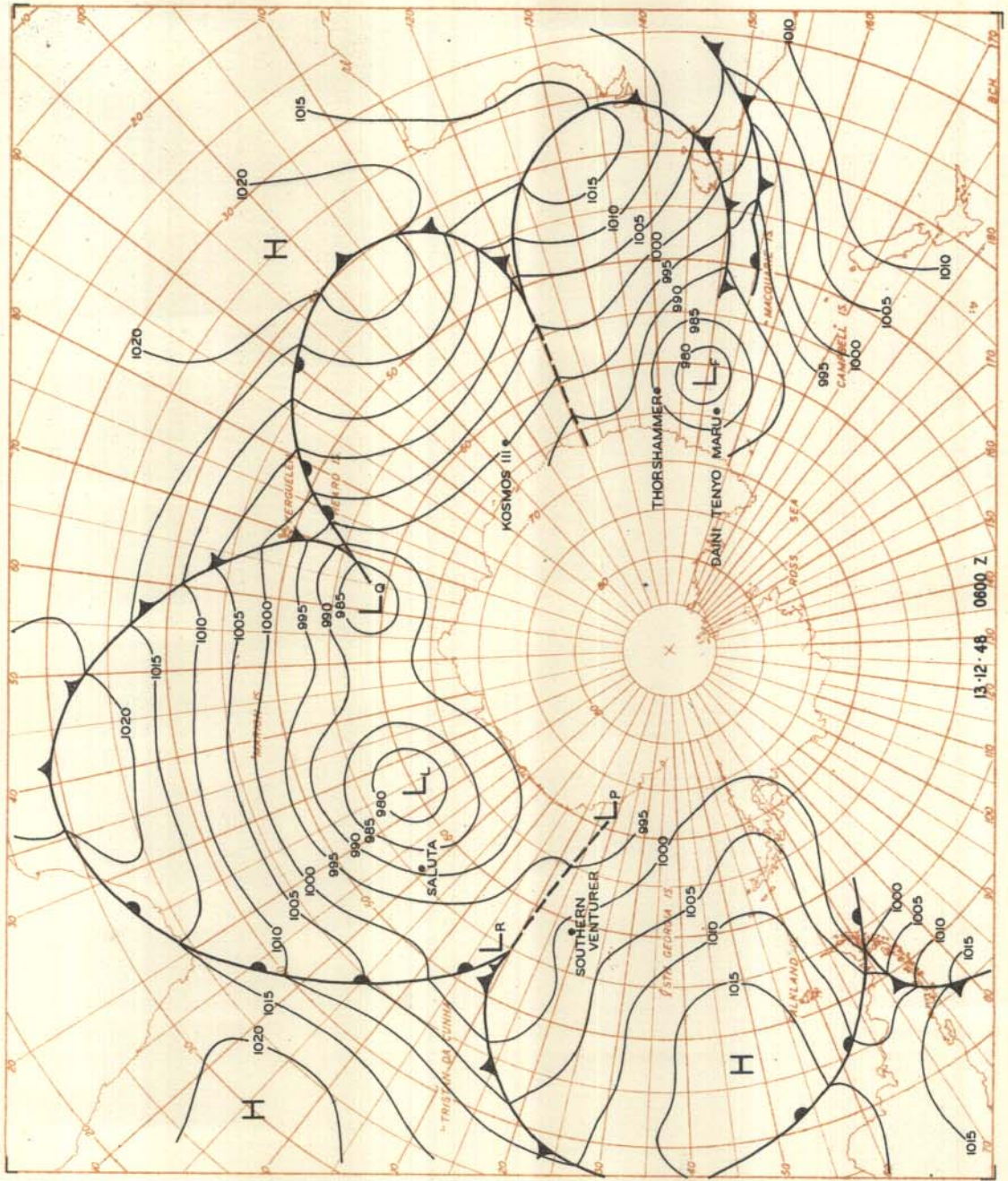




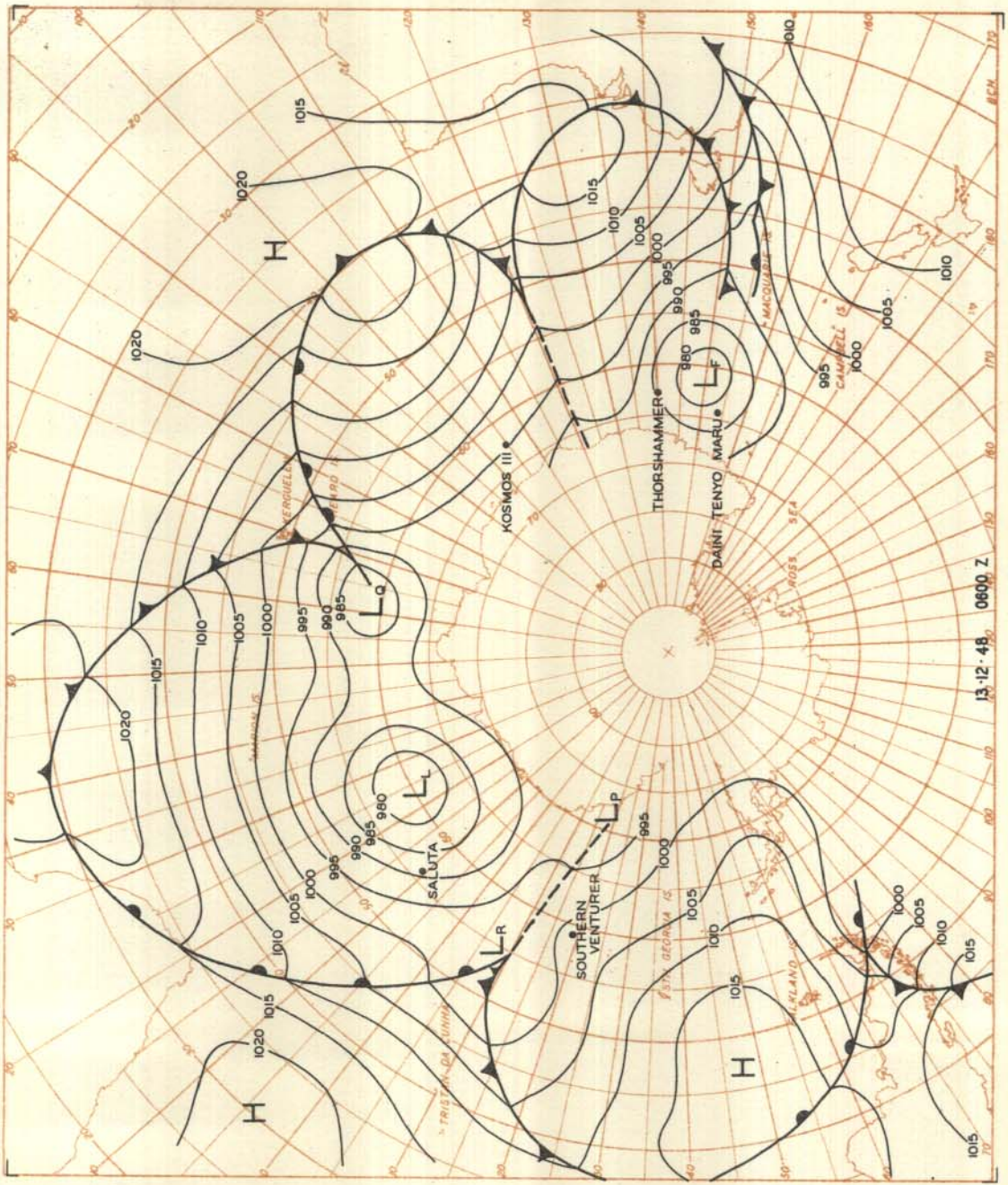




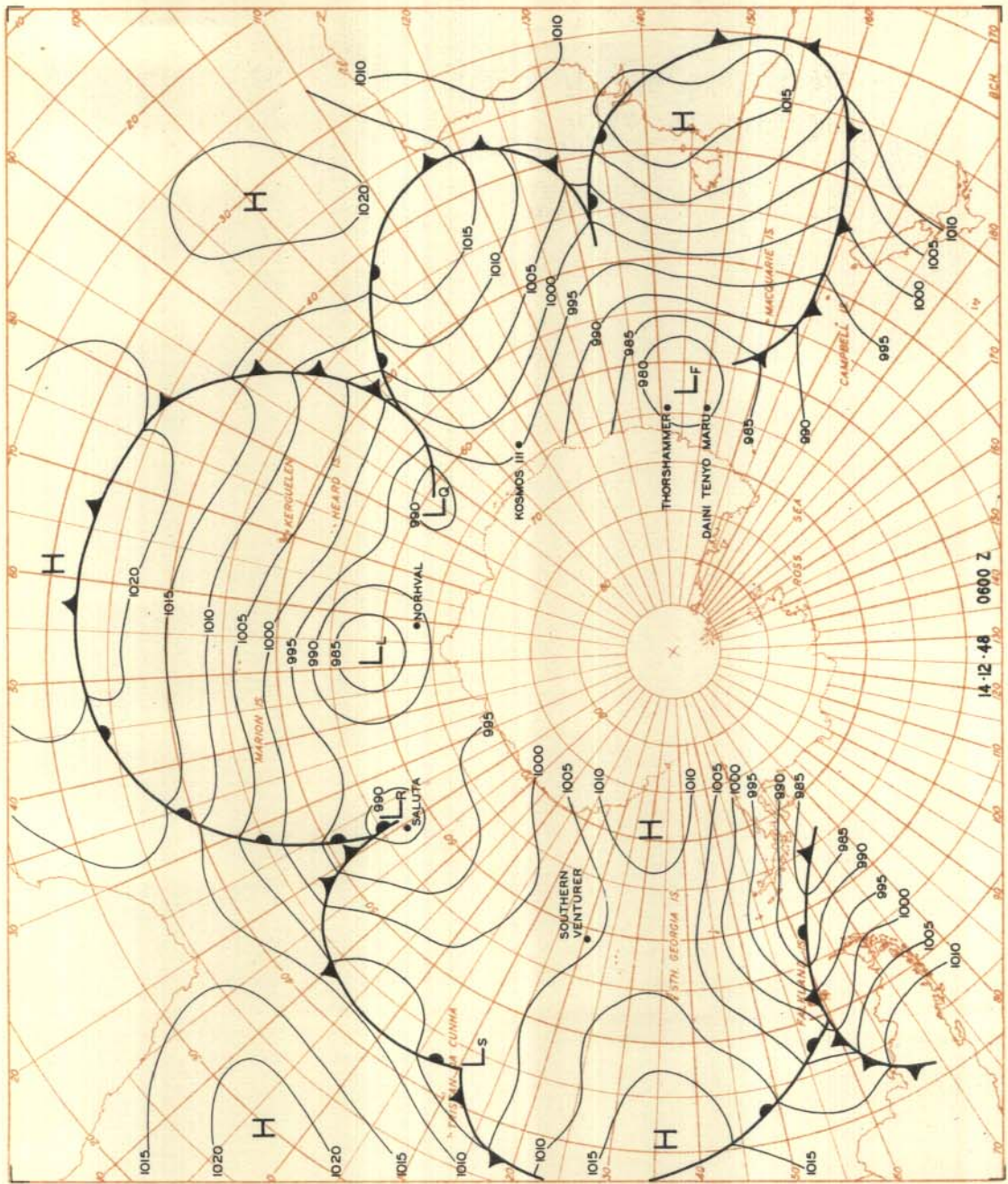




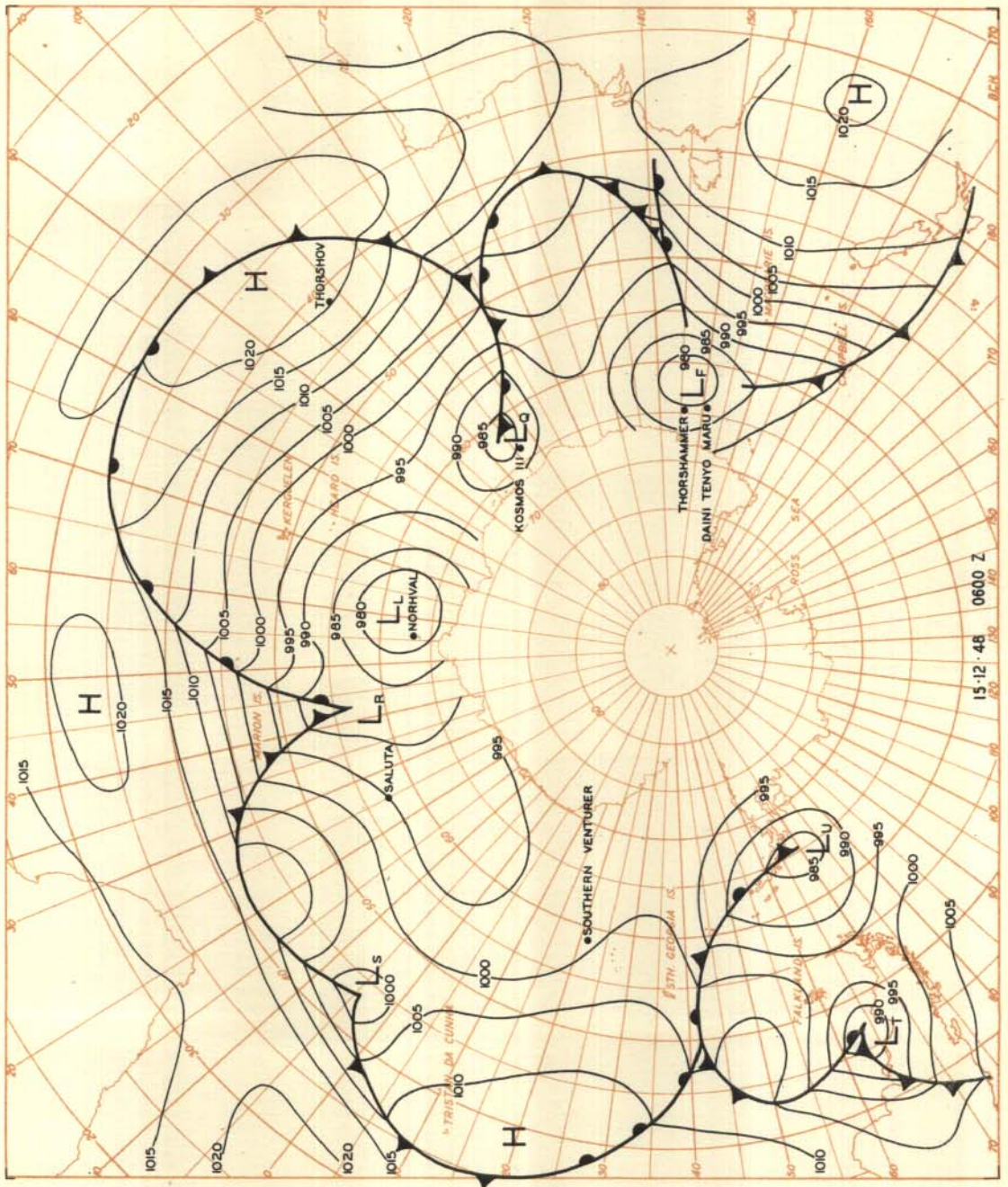




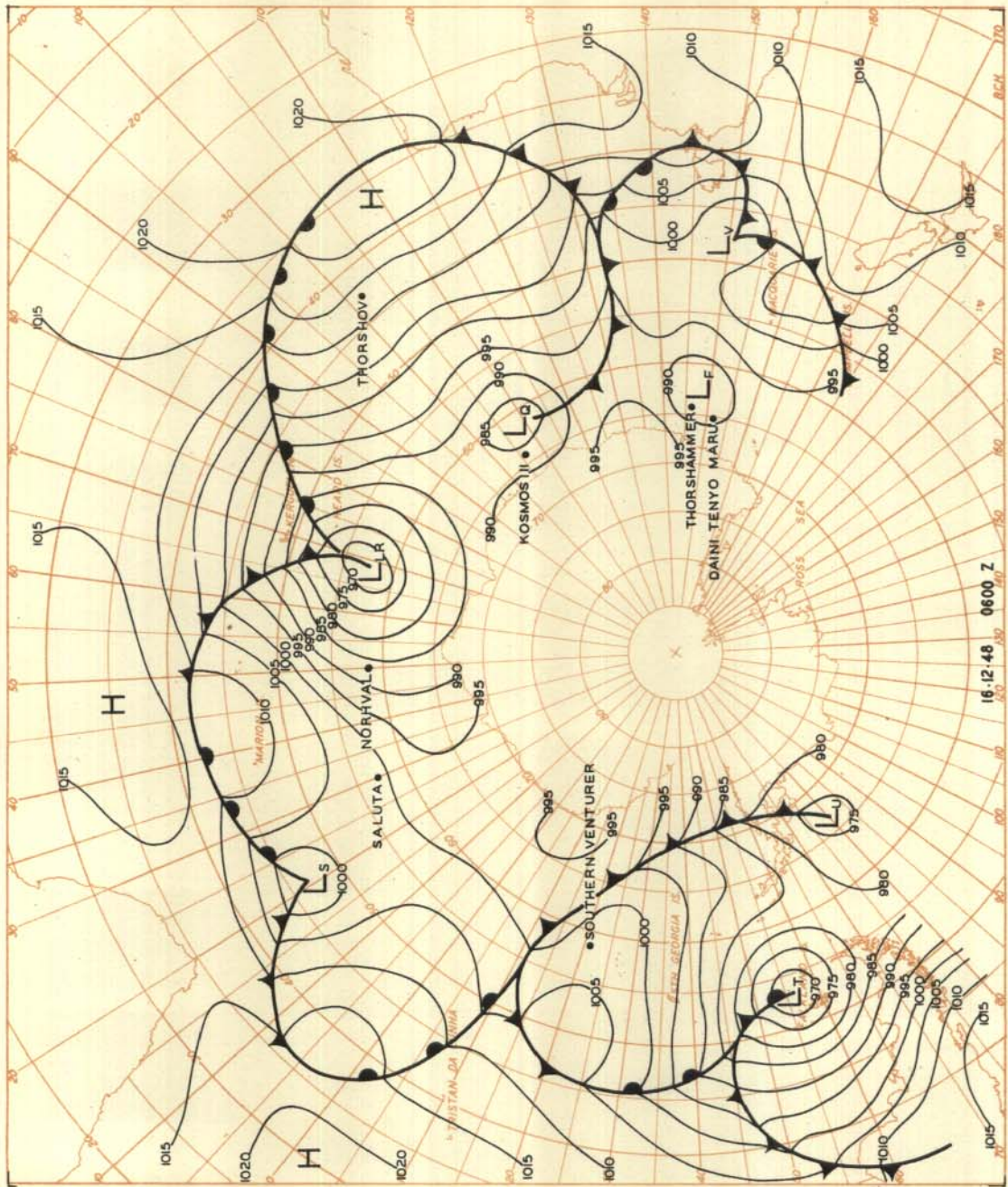




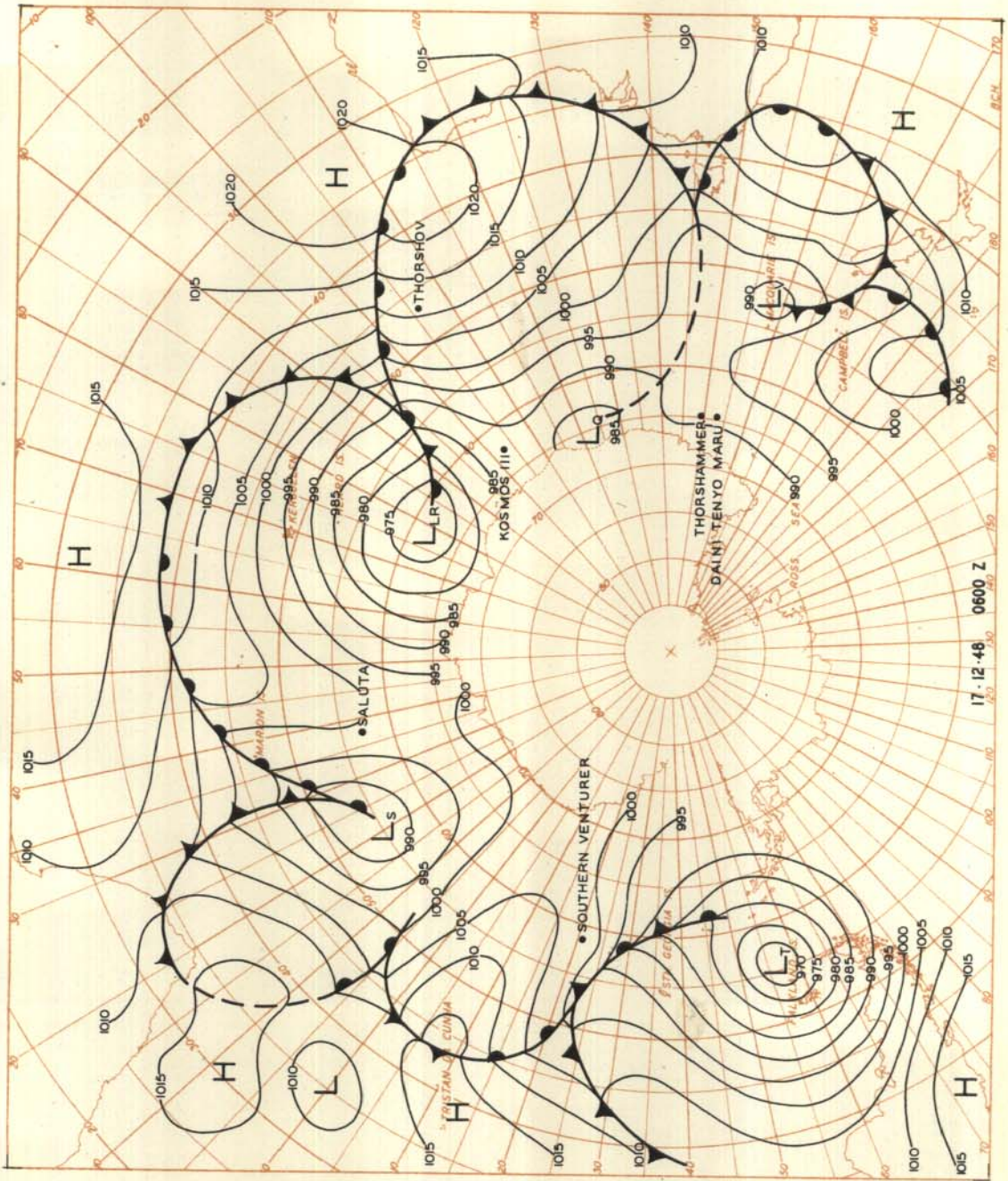




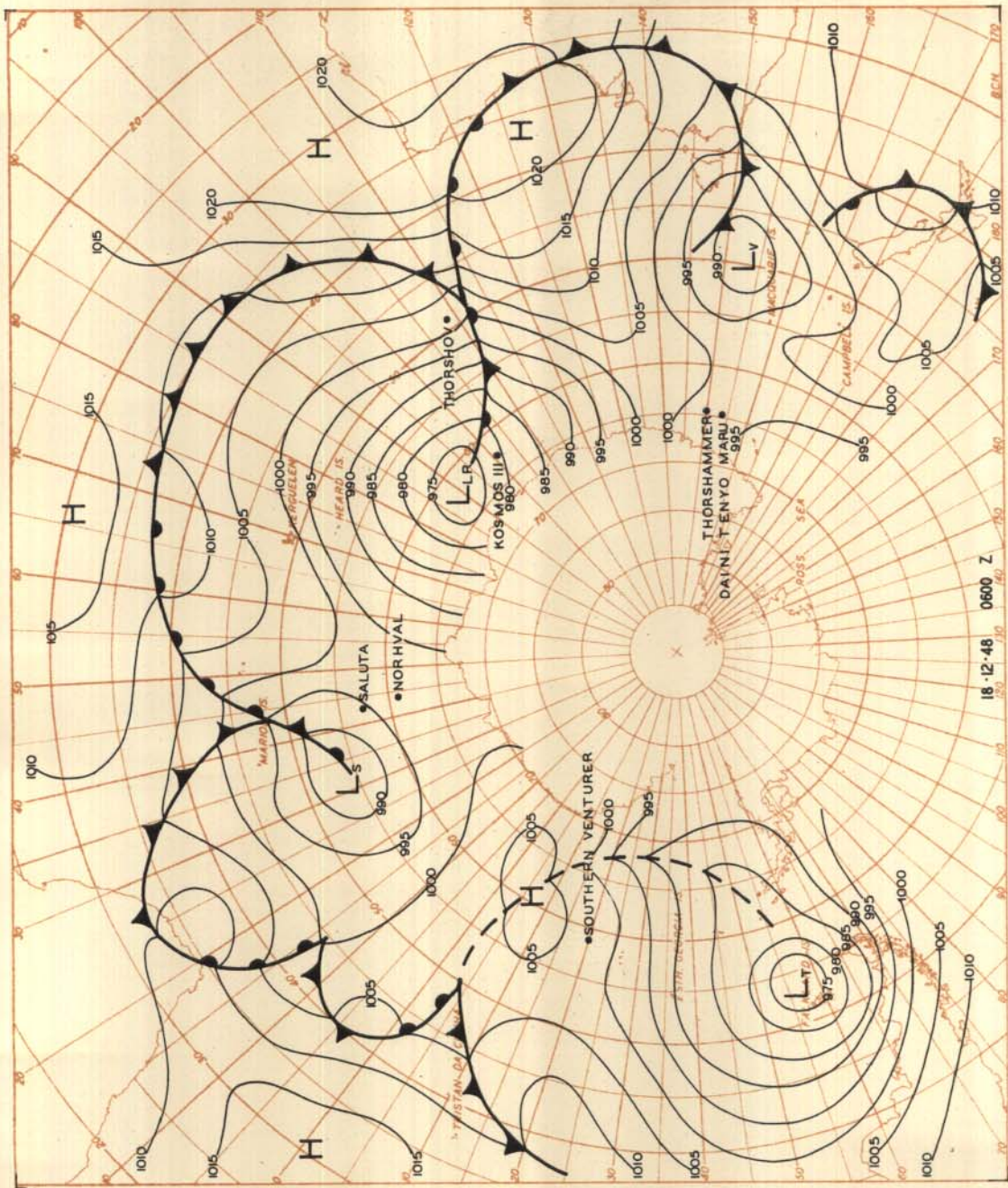








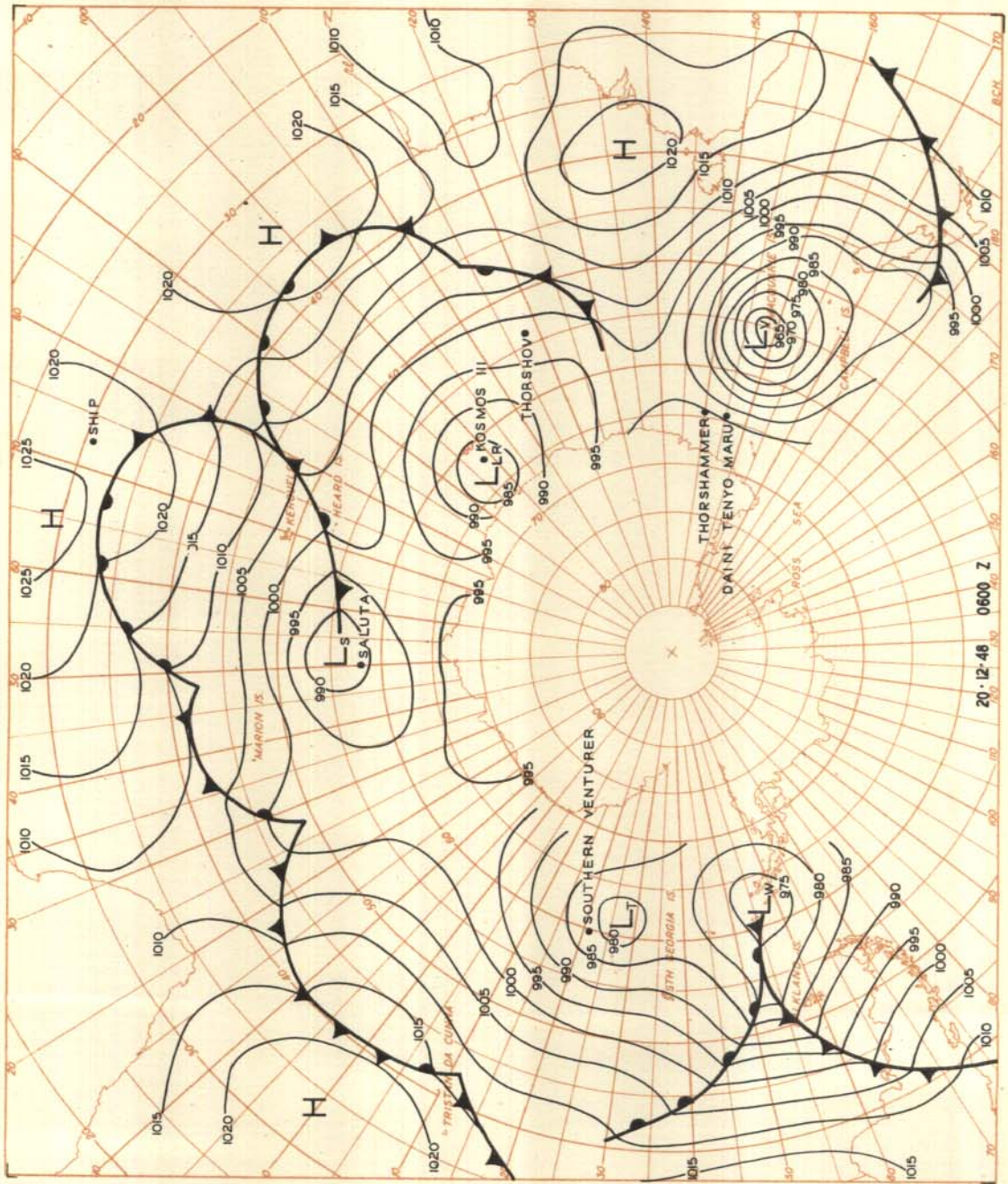




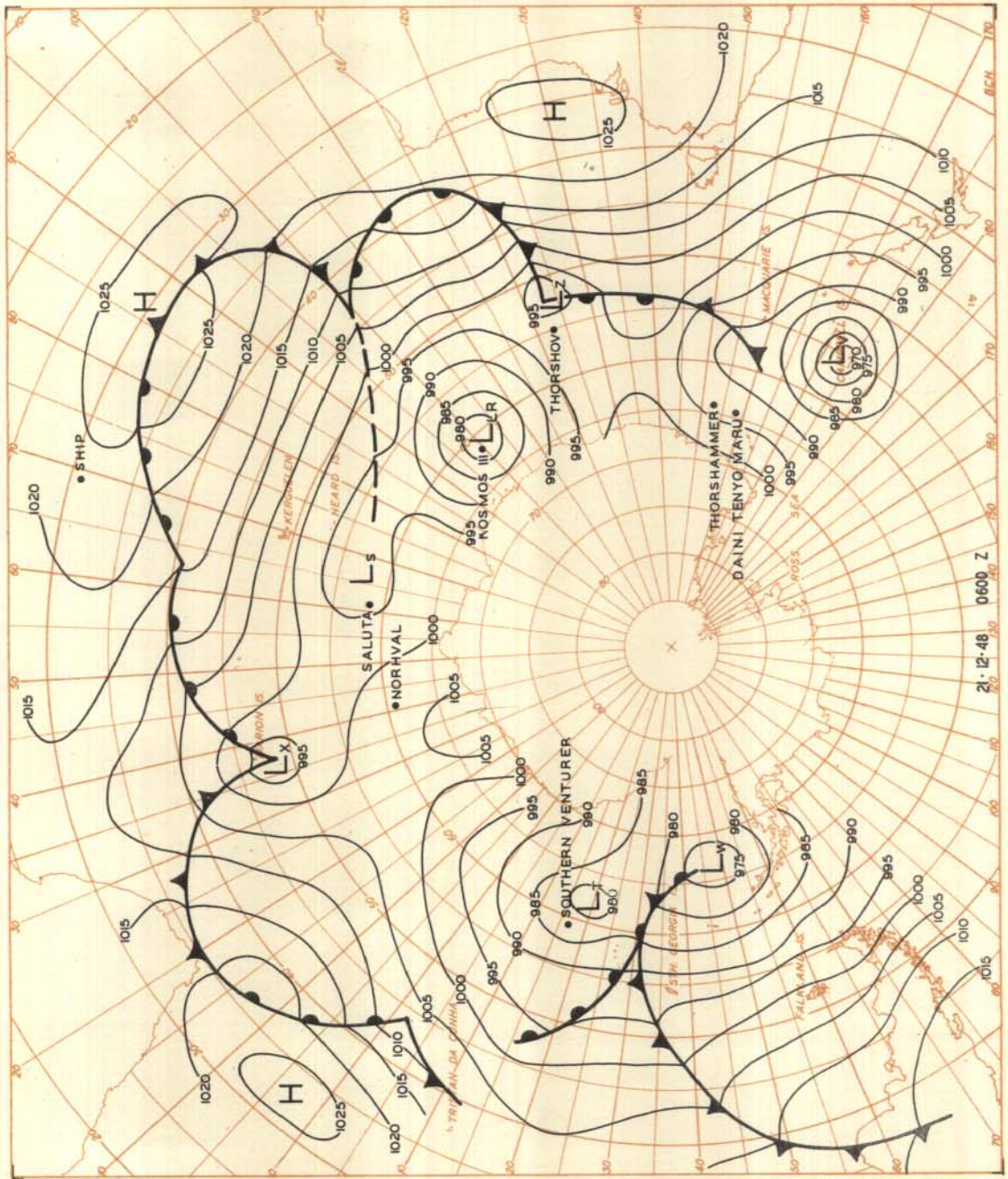








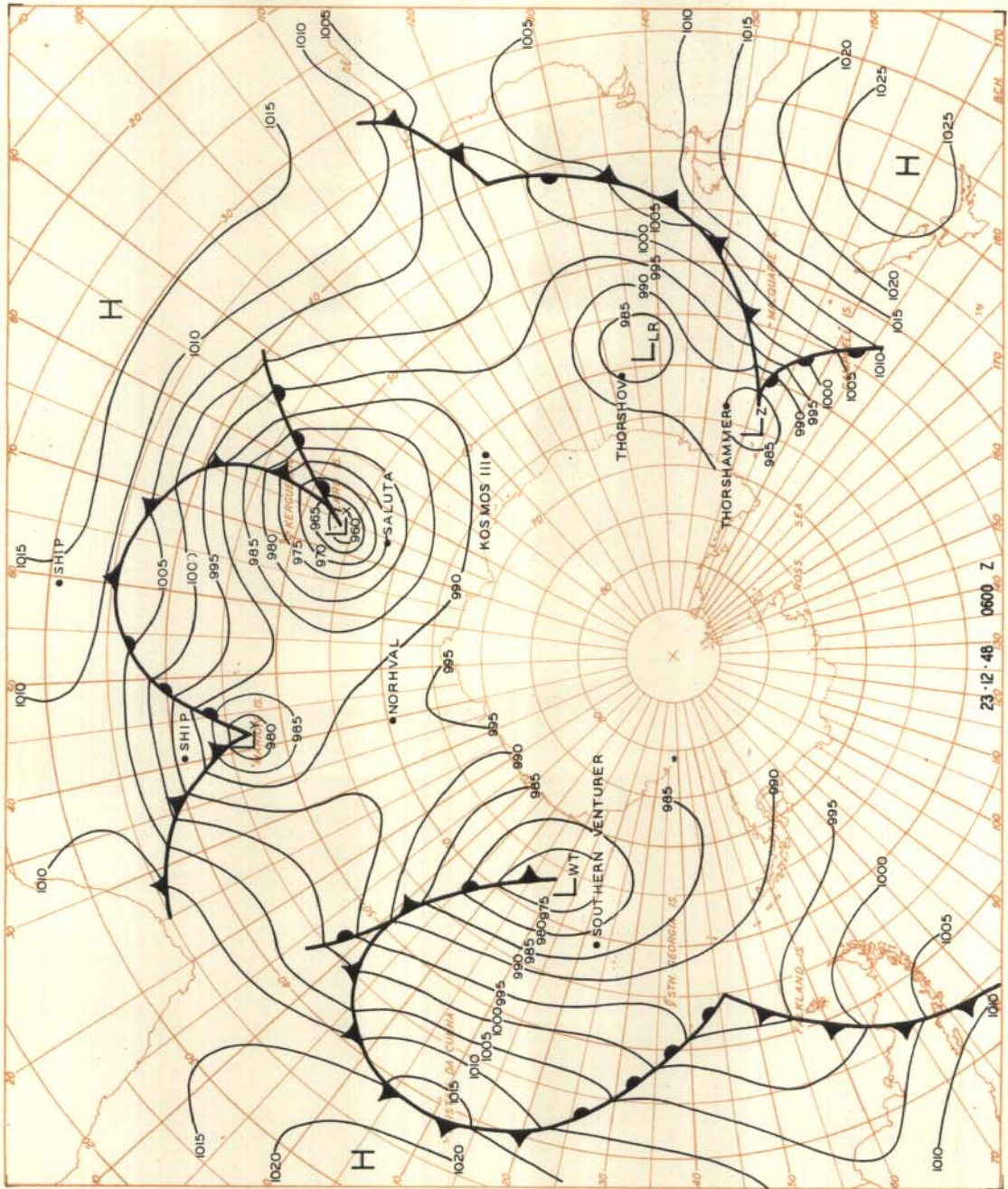




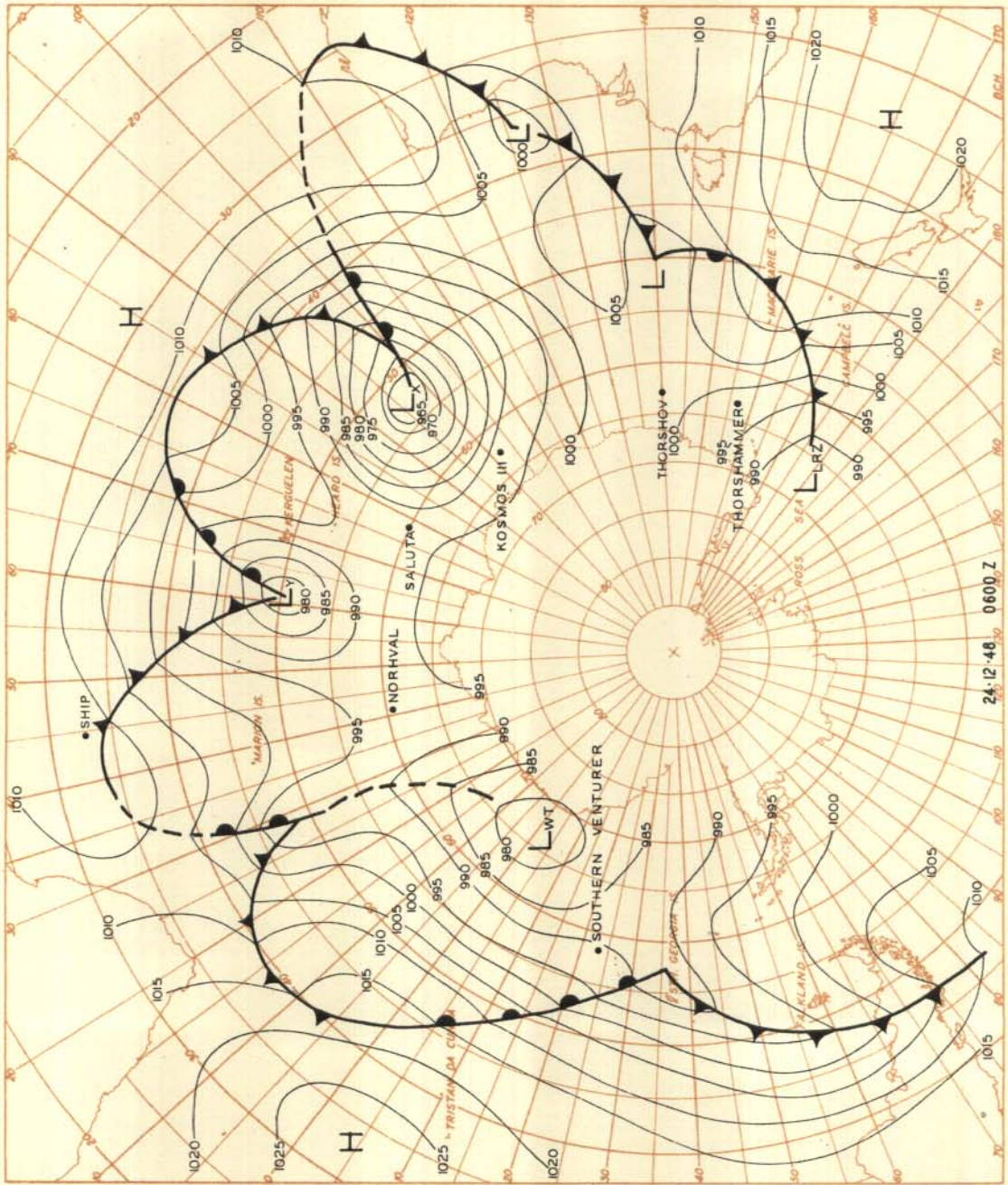




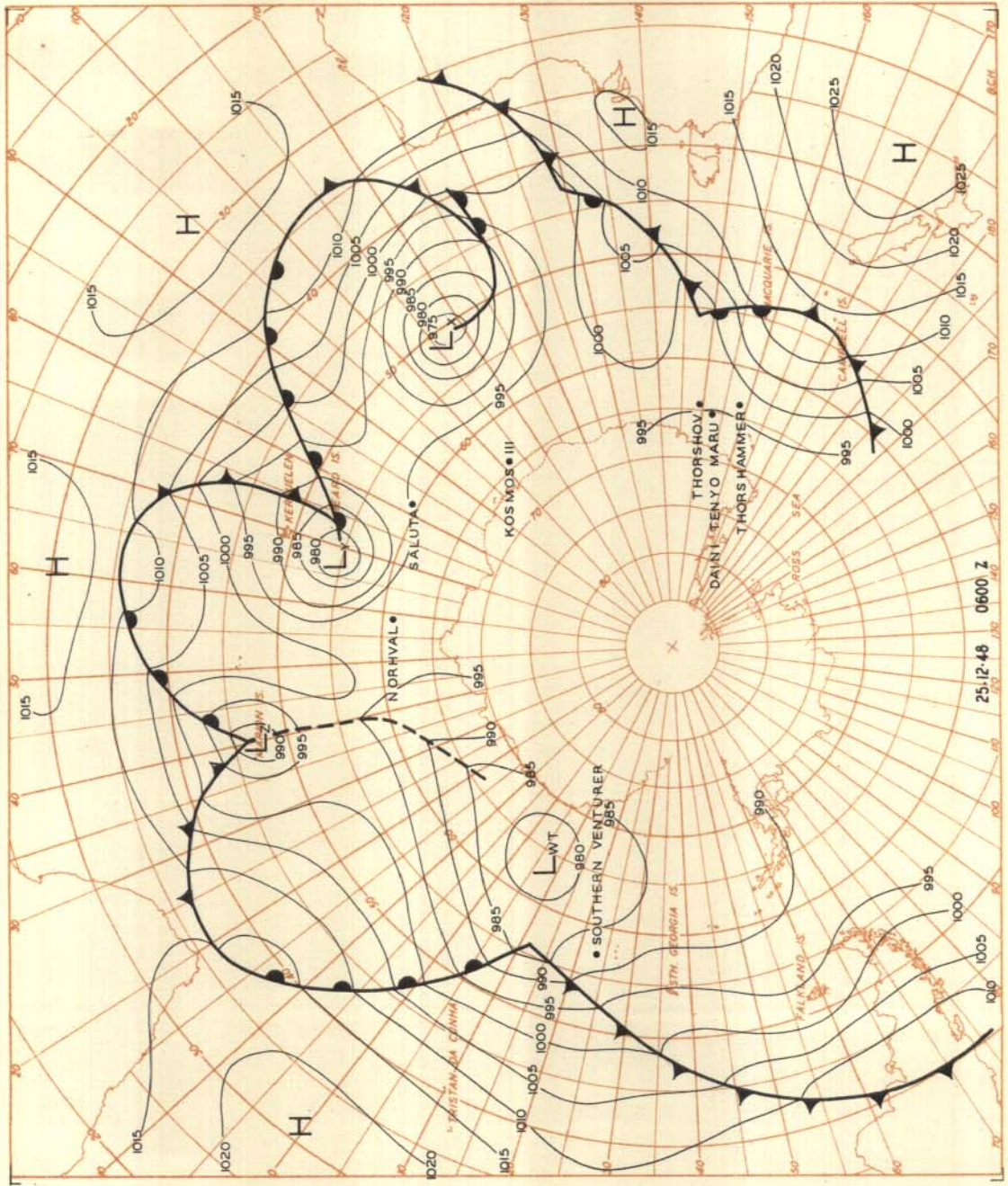




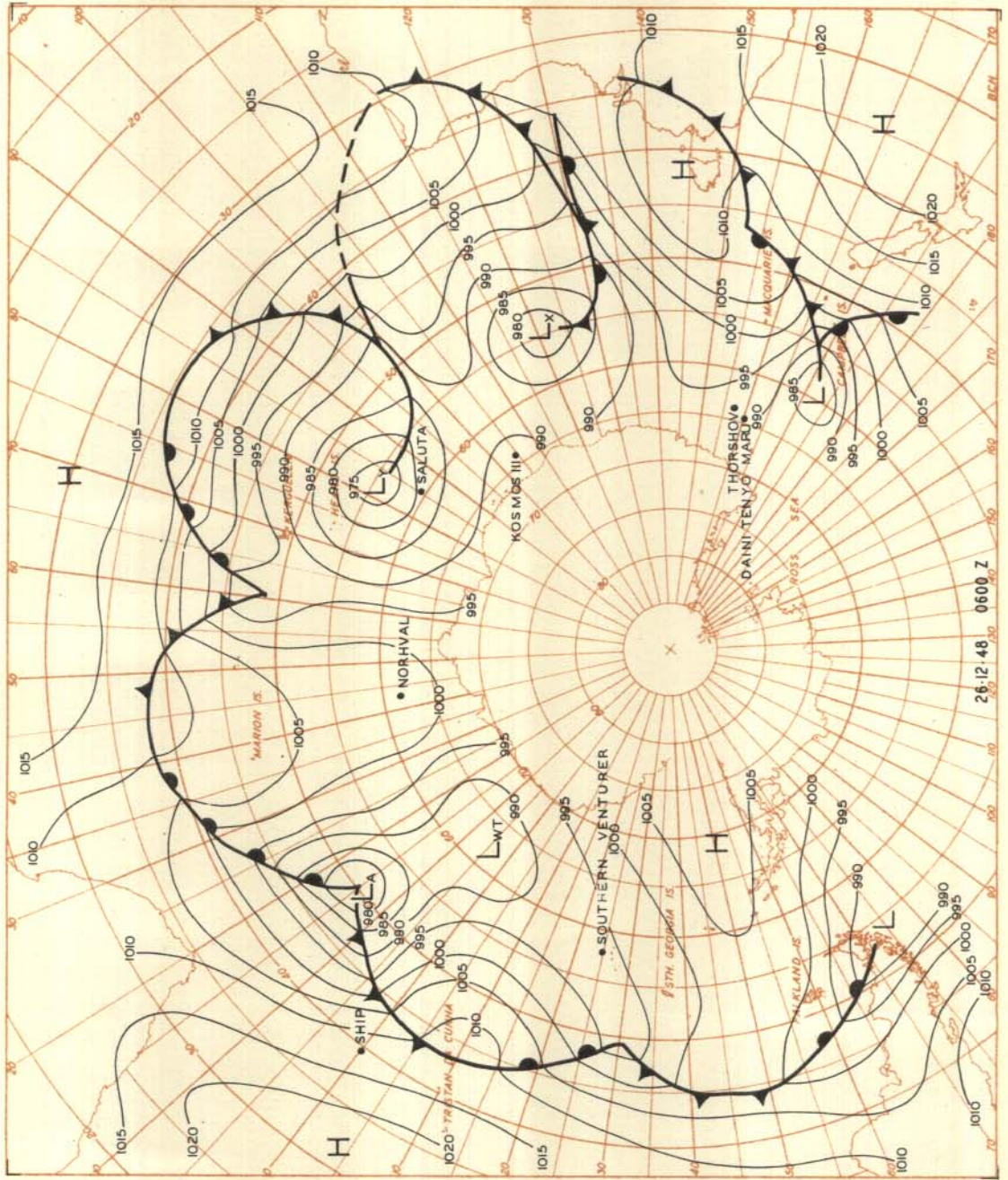




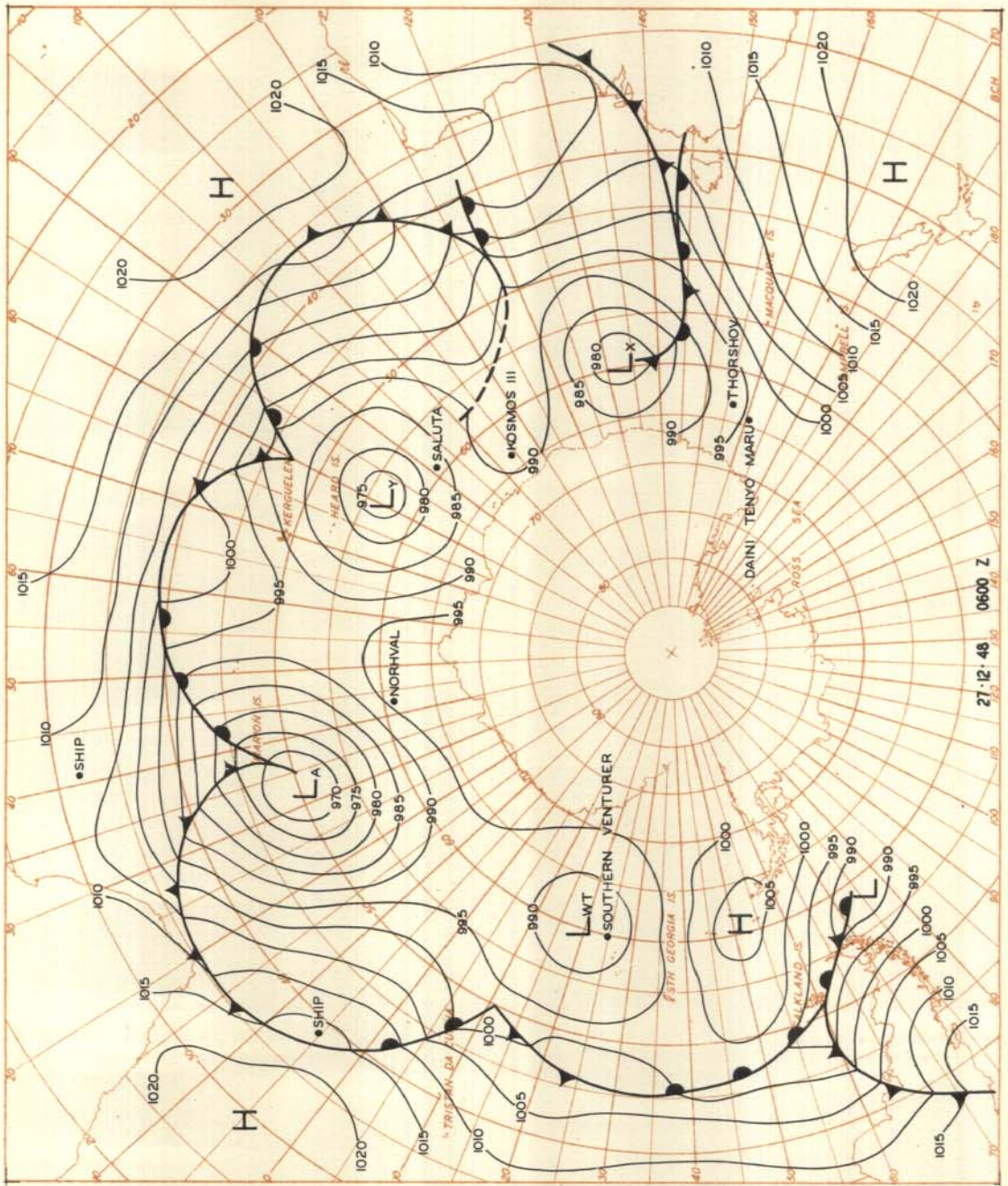












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