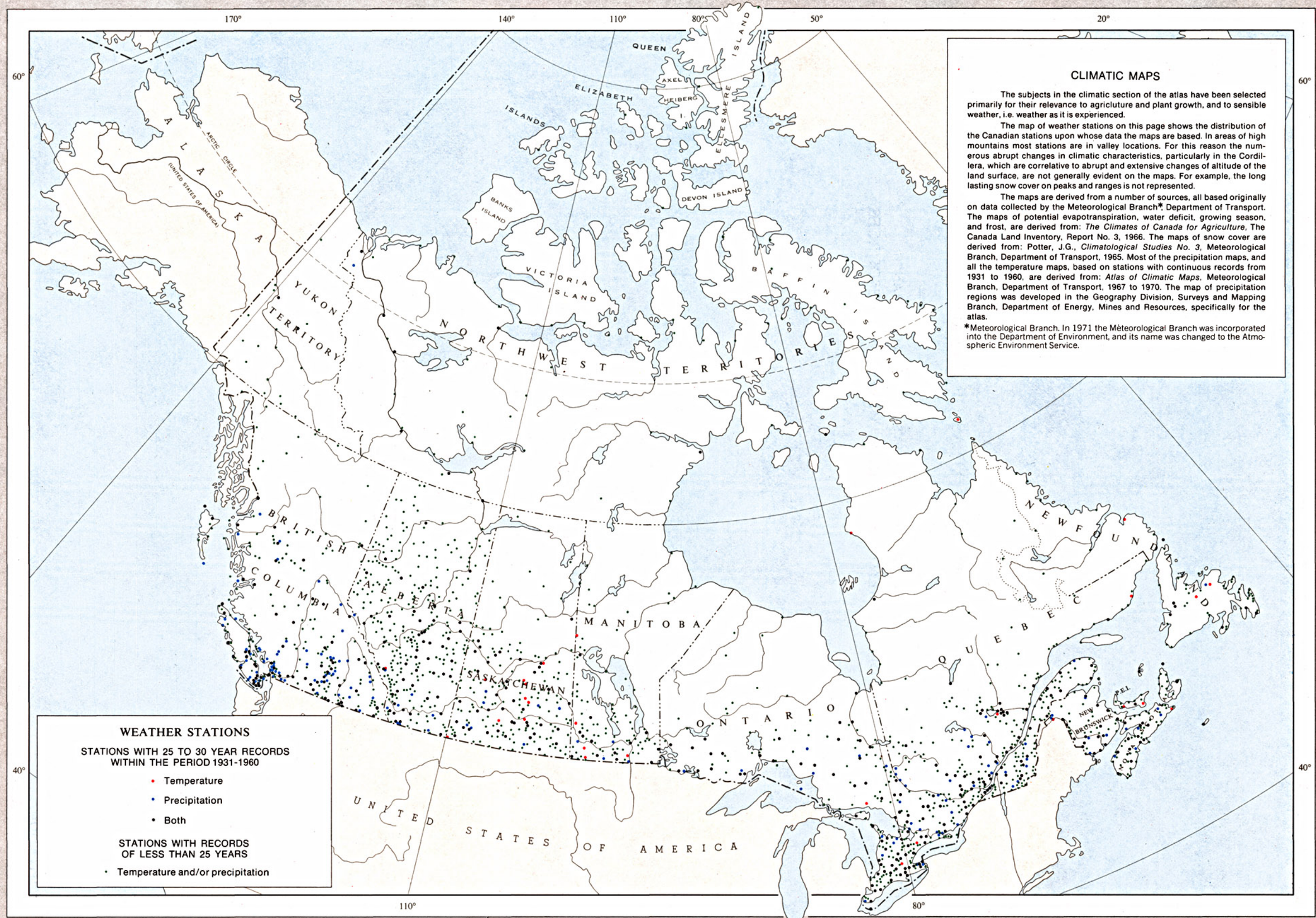


CLIMATIC MAPS

The subjects in the climatic section of the atlas have been selected primarily for their relevance to agricluture and plant growth, and to sensible weather, i.e. weather as it is experienced.

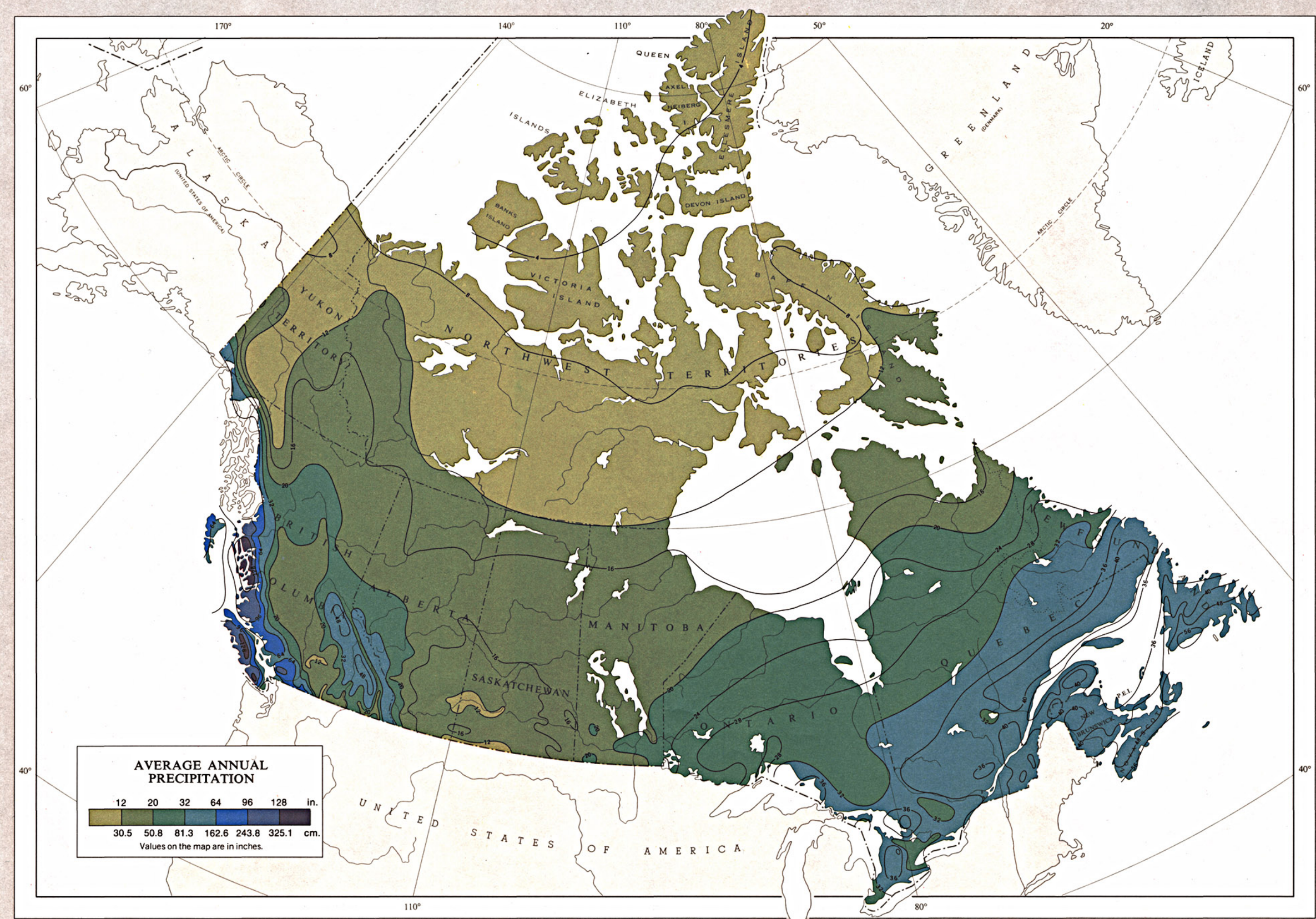
The map of weather stations on this page shows the distribution of the Canadian stations upon whose data the maps are based. In areas of high mountains most stations are in valley locations. For this reason the numerous abrupt changes in climatic characteristics, particularly in the Cordillera, which are correlative to abrupt and extensive changes of altitude of the land surface, are not generally evident on the maps. For example, the long lasting snow cover on peaks and ranges is not represented.

The maps are derived from a number of sources, all based originally on data collected by the Meteorological Branch*, Department of Transport. The maps of potential evapotranspiration, water deficit, growing season, and frost, are derived from: *The Climates of Canada for Agriculture*, The Canada Land Inventory, Report No. 3, 1966. The maps of snow cover are derived from: Potter, J.G., *Climatological Studies No. 3*, Meteorological Branch, Department of Transport, 1965. Most of the precipitation maps, and all the temperature maps, based on stations with continuous records from 1931 to 1960, are derived from: *Atlas of Climatic Maps*, Meteorological Branch, Department of Transport, 1967 to 1970. The map of precipitation regions was developed in the Geography Division, Surveys and Mapping Branch, Department of Energy, Mines and Resources, specifically for the atlas.

*Meteorological Branch. In 1971 the Mèteorological Branch was incorporated into the Department of Environment, and its name was changed to the Atmospheric Environment Service.

Lambert Conformal Conic Projection Standard Parallels 49°N. and 77°N.
THE NATIONAL ATLAS OF CANADA

Scale 1:20,000,000 or One Inch to 315.65 Miles 200 0 200 400 Miles; 200 0 200 400 600 Kilometres



Lambert Conformal Conic Projection Standard Parallels 49°N. and 77°N.
NATIONAL ATLAS OF CANADA

Data supplied by the Meteorological Branch, Department of Transport.

Scale 1:20,000,000 or One Inch to 315.65 Miles 200 0 200 400 Miles; 200 0 200 400 600 Kilometres