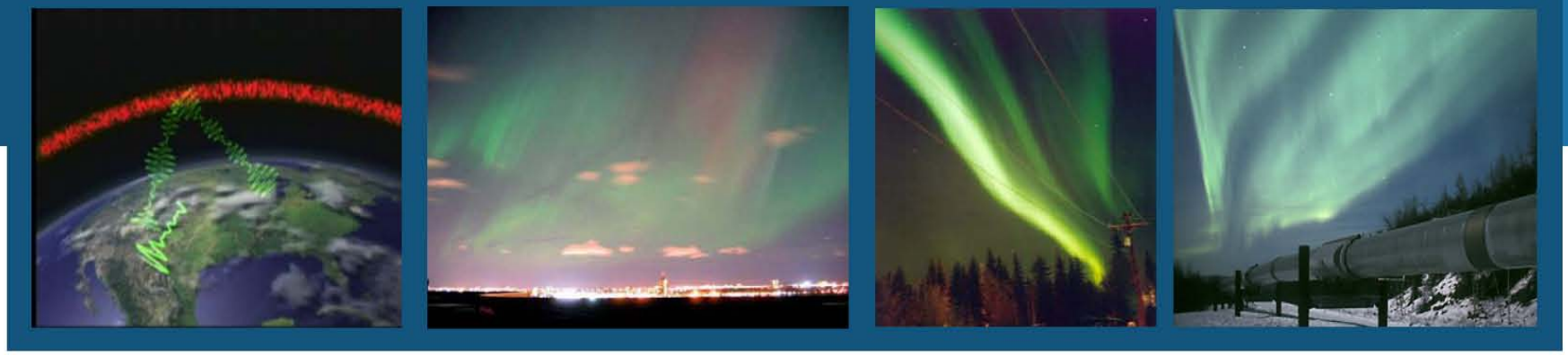
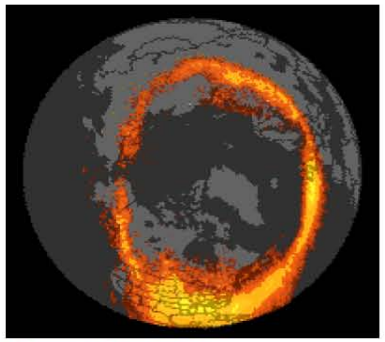


CANADIAN SPACE WEATHER FORECAST CENTRE: SERVICE TO GOVERNMENT

L.Trichtchenko,

ICTSW-4, Geneva November 2013

Canada is affected by space weather more than other countries due to its geographic location.



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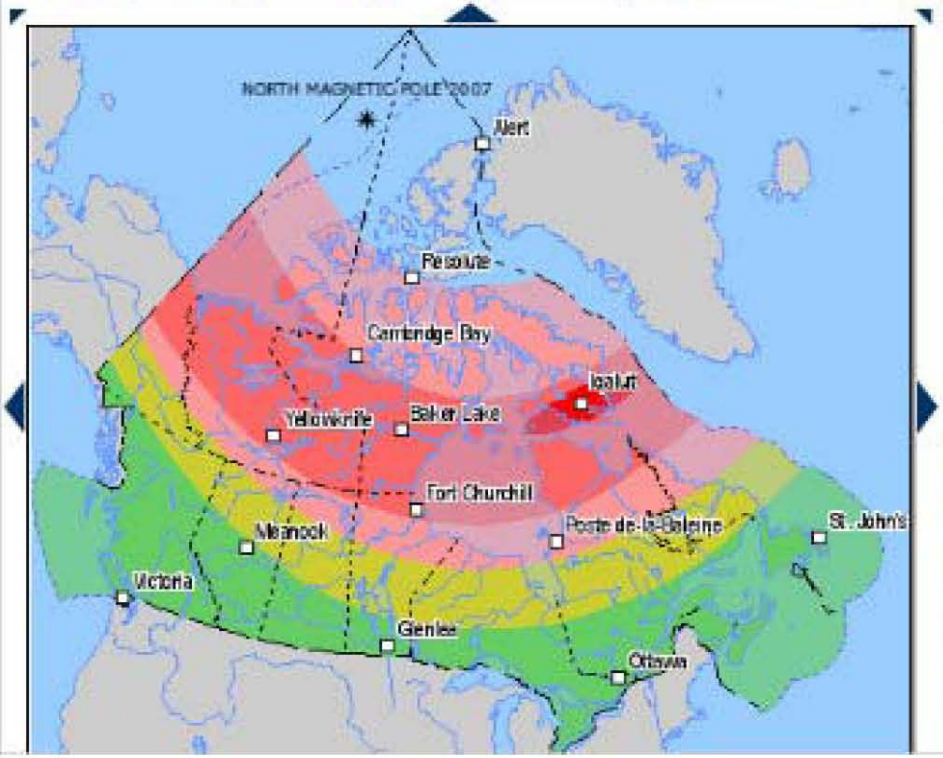
Space Weather

Zoom In | Zoom Out | View Full Map | Zoom to Region | Map Size: S M L XL | Get Info from Map | Print Preview | Help



Geomagnetic Activity Zones
Telluric Activity Zones

Percentage annual occurrence above normal level
- less than 10%
- 10 - 15%
- 15 - 20%
- 20 - 25%
- 25% or greater
- No Data

Selected Electric Transmission Lines
Selected Oil and Gas Pipelines

Canadian Magnetic Observatories
- Observatory Location

Boundaries

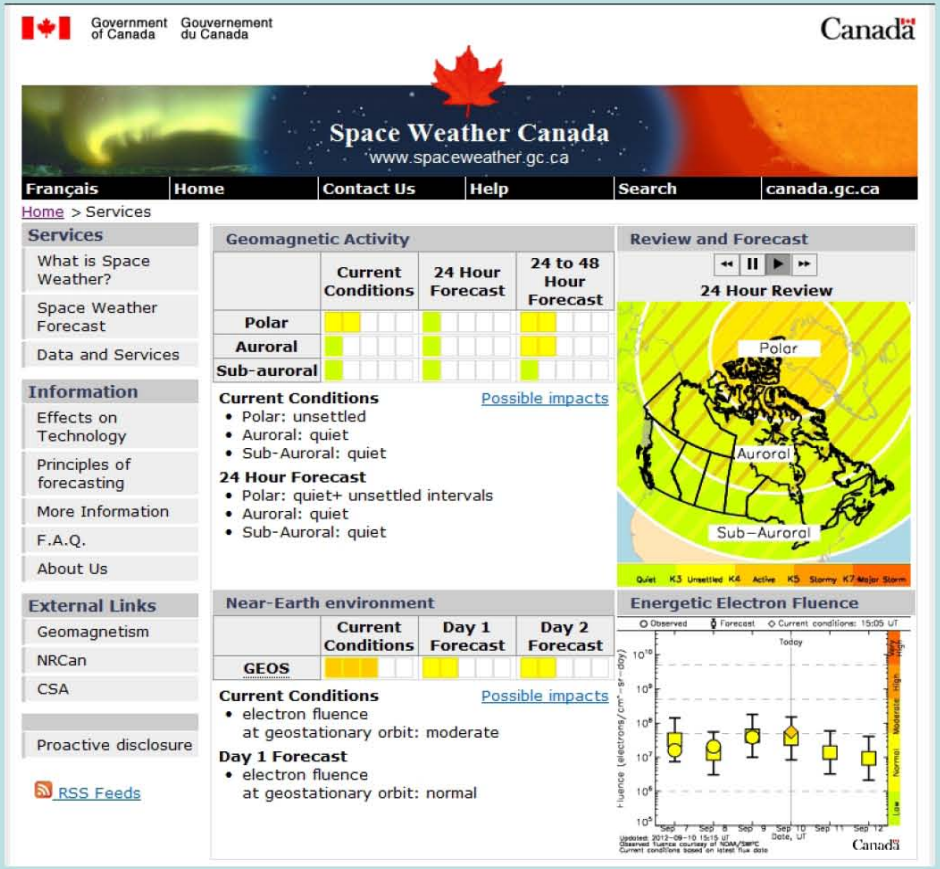
Canada Canada

Canada

Space Weather Forecasting

Canadian Space Weather Forecast Centre

NRCan Canadian Hazards Information Service



Government Operations Centre

Critical Infrastructure Operators

1.Multi-Agency Situational Awareness System Development Initiative (MASAS)

MASAS is a multi-stakeholder federally-led initiative that aims to develop and support capabilities that will enable the sharing of location-based situational awareness information and alerts between emergency management and response agencies using open standards and an open architecture. The MASAS initiative is led by the Defence R&D Canada – Centre for Security Science, in partnership with Public Safety Canada and Natural Resources Canada involving federal, provincial, territorial and municipal governments, non-governmental organizations and industry.

2.Meeting with GOC, to develop the federal response to space weather events (SW), to initiate a risk overview process to determine the need for the following:

(1) a federal plan or protocol for responding to space weather events affecting Canada
(2) a federal level working group to develop the plan or protocol.

Expected Output: risk overview document highlighting whether or not there is a need for a Government of Canada space weather plan or protocol.