

IAF EARTH OBSERVATION SYMPOSIUM (B1)
Interactive Presentations - IAF EARTH OBSERVATION SYMPOSIUM (IP)

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GO CANADA

Abstract

Geospace Observatory (GO) Canada is an array of ground-based instruments uniquely capable of advancing the field of Space Weather. This network includes all-sky cameras, magnetometers, GNSS receivers, and radars. GO Canada is funded by the Canadian Space Agency through competitive contribution agreements, with all instrument PIs coming from the robust community of Canadian solar-terrestrial scientists in academia.

This program leverages Canadas extensive landmass under the auroral oval to provide measurements key to the study Space Weather. The context provided by this sort of ground-based array is crucial for maximizing the science goals of satellite based missions targeting space weather. In my presentation I will discuss the variety of space-weather measurements made by GO Canada, describe the scientific achievements made possible by this array of instruments, and outline past and future satellite missions supported by GO Canada.