

## Initial observations by the STEL all sky imager at Athabasca in Canada.

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We have installed two all-sky imagers at Athabasca (62 AACGM-LAT) and at Resolute Bay (83 LAT) in Canada in 2005, whose summary plots are found at: <http://stdb2.stelab.nagoya-u.ac.jp/canada/index.html>.

These two imagers will be in operation during the coming THEMIS mission.

The THEMIS all-sky imagers are panchromatic with a high time resolution (5-sec).

On the other hand, our STEL (Solar-Terrestrial Environment Laboratory, Japan) imagers are multi-spectral, including proton auroras and red lines, with lower time resolutions (currently 2-min), but are highly sensitive.

In this meeting we will show initial observations at Athabasca beginning on September 3, 2005, including auroral signatures during the magnetic storm main phase on September 11.

We appreciate discussions to optimize our imagers for the THEMIS mission.

Our imager at Athabasca has 8 filters for different wavelength, including one for background subtraction.

The time exposures are currently: OI (557.7nm, 5s), OI (630.0nm, 30s), Hbeta (486.1nm, 40s), Na (589.3nm, 15s) for every 2min, and OH-bands (1s), OI (844.6nm, 25s), background (572.5nm, 15s) for every 10 min.

We also plan to show initial observations from a meridian-scanning tilting photometer for proton auroras, and an induction magnetometer we installed at Athabasca.