



Contribution ID: 895  
compétition)

Type: **Poster (Student, Not in Competition) / Affiche (Étudiant(e), pas dans la**

## **A Case Study of Energetic Electron Precipitation Using Ground-Based VLF Radio Data**

*Wednesday, 17 June 2015 19:22 (2 minutes)*

We report first results on energetic electron precipitation using the recently deployed ABOVE array. ABOVE is a ground-based array of Very Low Frequency (VLF) radio receivers located across western Canada. With the new instruments, we characterize the properties of electron precipitation during a geomagnetic storm using changes to the phase and amplitude of VLF radio waves from ground based transmitters. We combine ABOVE data with global data from AARDDVARK to investigate electron precipitation on multiple scales.

**Primary author:** DAVIS, Eric (University of Calgary)

**Co-author:** CULLY, Christopher (University of Calgary)

**Presenter:** DAVIS, Eric (University of Calgary)

**Session Classification:** DASP Poster Session with beer / Session d'affiches avec bière DPAAE

**Track Classification:** Atmospheric and Space Physics / Physique atmosphérique et de l'espace (DASP-DPAAE)