**Determining Size of a Precipitation Event with AARDDVARK system of VLF radio wave receivers**

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We analyze subionosphere propagating very low frequency (VLF) radio waves observed by several receivers to determine an approximate area of a pulsating aurora precipitation event. We use amplitude and phase measurements from the Antarctic-Arctic Radiation-belt Dynamic Deposition VLF Atmospheric Research Konsortia (AARDDVARK) set of radio wave receivers and transmitters whose propagation paths are mainly located in North America. Receivers in Fairbanks, Alaska and Edmonton, Cananda with transmitters located in North Dakota, Seattle, Maine and Iceland. Each transmitter is