

Poker Flat Meteor Radar

The proposed Poker Flat Research Range Meteor Radar will be used to conduct research on atmospheric dynamics using scatter from meteor trails in the altitude range of 70-100 km. We will be purchasing a SKiYMet Meteor Radar system from Genesis Software Pty Ltd (www.gsoft.com.au). This is a coherent pulse-Doppler radar system. Student research at the University of Alaska Fairbanks using this radar will include topics in atmospheric dynamics, radar detection techniques and signal analysis algorithms.

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Project name = CEDAR: Establishing a Meteor Radar at Poker Flat Research Range to Understand the Wind-Driven Circulation and Coupling of the Arctic Atmosphere

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