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## Electron Density Variations in the Ionosphere Over Poker Flat (Alaska)

*Friday 13 June 2025 10:00 (15 minutes)*

We present highly-averaged data on the ionospheric electron density to illustrate solar-cycle, seasonal, and diurnal variations over Poker Flat (Alaska) for the period of 2010-2019. Considered are measurements by the PFISR incoherent scatter radar and onboard Swarm satellites (at ~ 450 and 510 km) and predictions by the e-CHAIM empirical model. We demonstrate major expected dependencies and focus on minor differences between the instruments and the model.

### Keyword-1

ionosphere

### Keyword-2

radar, Swarm

### Keyword-3

e-CHAIM

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