

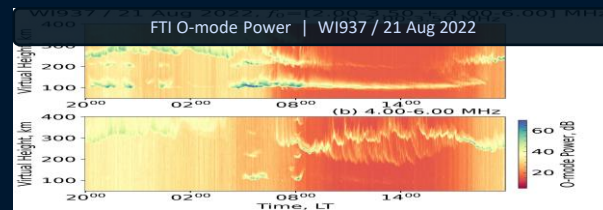
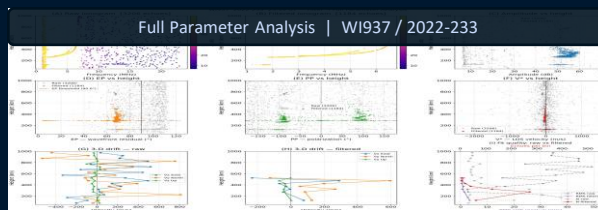
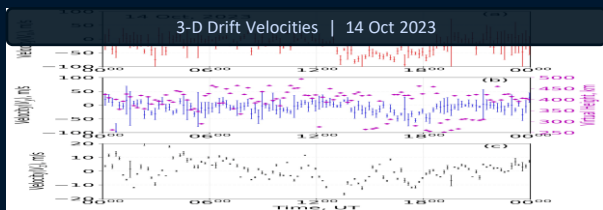
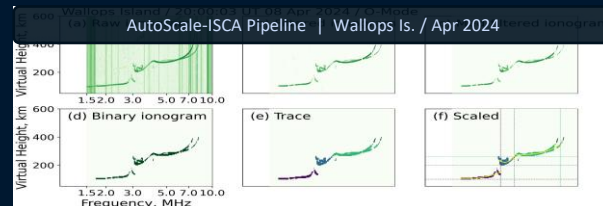
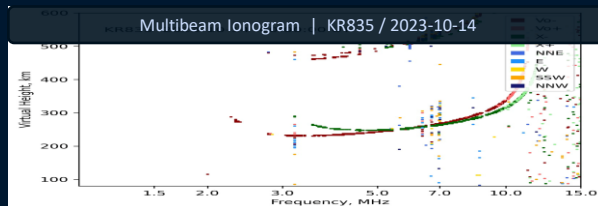
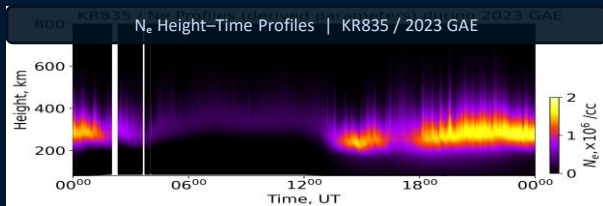


pynasonde

Open-source Python library for ionosonde data processing

pynasonde.readthedocs.io

Python toolkit for ingesting, analyzing, and visualizing ionosonde data from DIGISONDE DPS4D and VIPIR radar systems — built for Space Weather research and operational ionospheric monitoring.



🌟 Ingest

DPS4D & VIPIR
raw data formats



Analyze

3-D drifts, Ne profiles
AutoScale-ISCA ML



Visualize

Ionograms, height-time
maps & dashboards



Scan for paper →

Chakraborty, S., Bullett, T., Barjatya, A., & Mabie, J. (2026). pynasonde: An open-source Python library for ionosonde data processing. *SoftwareX*, 34, 102617.