

IDL - 🗆 X IDL 0 BattCharge Amps Charge (Amperes) 25.0312 FPA HIWING 26.11 25.0314 25.0312 FPh.Hiwind.2011 25.0314 25.0310 25.0318 StbdArry

- Open source language avoids license issues
- Improved color scheme and labeling for 29 different plots
- Intelligent scaling and label functions

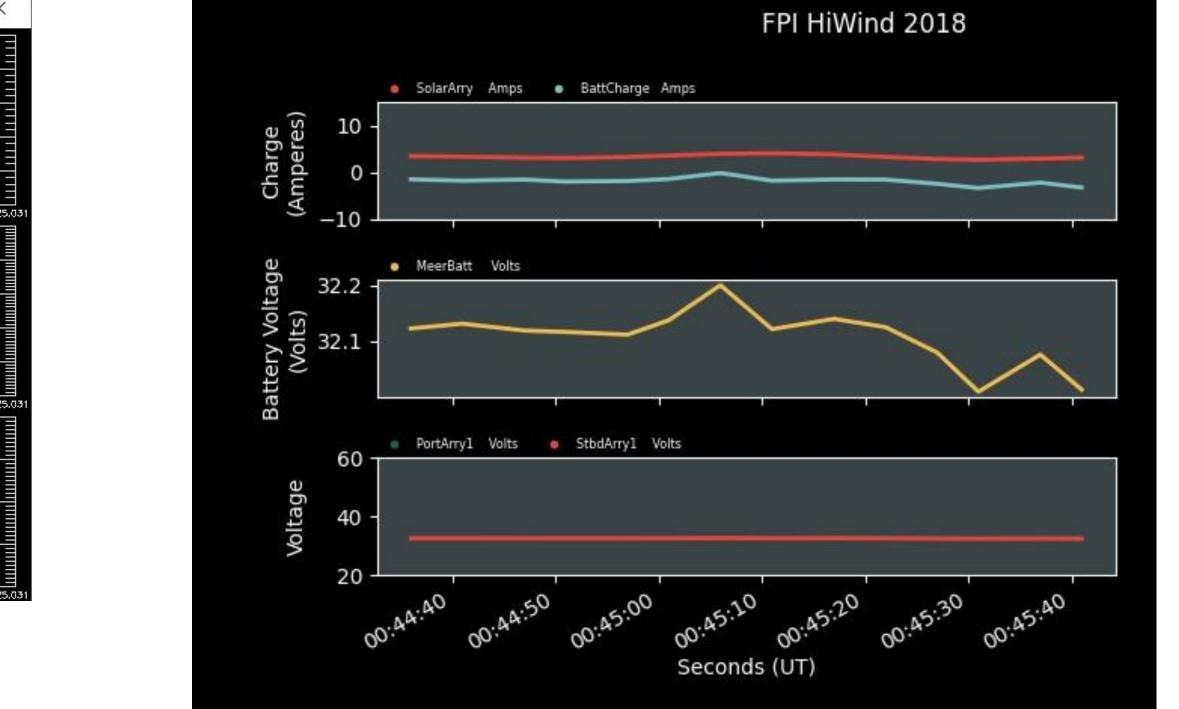
ACKNOWLEDGMENTS

Wu, Q., Knipp, D., Liu, J., Wang, W., Häggström, I., Jee, G., et al. (2019). What do the new 2018 HIWIND thermospheric wind observations tell us about high-latitude ion-neutral coupling during daytime? Journal of Geophysical Research: Space Physics, 124, 6173–6181. https://doi.org/10.1029/2019JA026776 Moe, K., and Wu, Q. (2014), Impact of HIWIND balloon measurements on thermospheric density models, J. Geophys. Res. Space Physics, 119, 2476–2483, doi: 10.1002/2013JA019390 Wu, Q., Wang, W., Roble, R. G., Häggström, I., and Strømme, A. (2012), First daytime thermospheric wind observation from a balloon-borne Fabry-Perot interferometer over Kiruna (68N), Geophys. Res. Lett., 39, L14104, doi: 10.1029/2012GL052533

IMPROVEMENTS TO HiWind CODE

Milana Wolff Alice Lecinski, Daniela Lacatus

Python







Error in daytime configuration: expected focus position: 29357 / actual focus position: 25400 expected azimuth position: 90 / actual azimuth position: 0 expected filter position: 3 / actual filter position: 2 expected exposure time: 60000 / actual exposure time: -5536

• Code produces error messages under the following conditions

 Instrumentation deviates from expected operational patterns

• Non-physical values occur in the data • Extended time period has elapsed since the last

viable signal from the instrument

