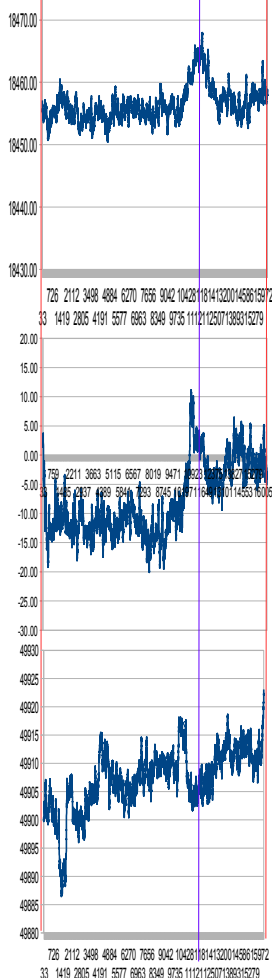
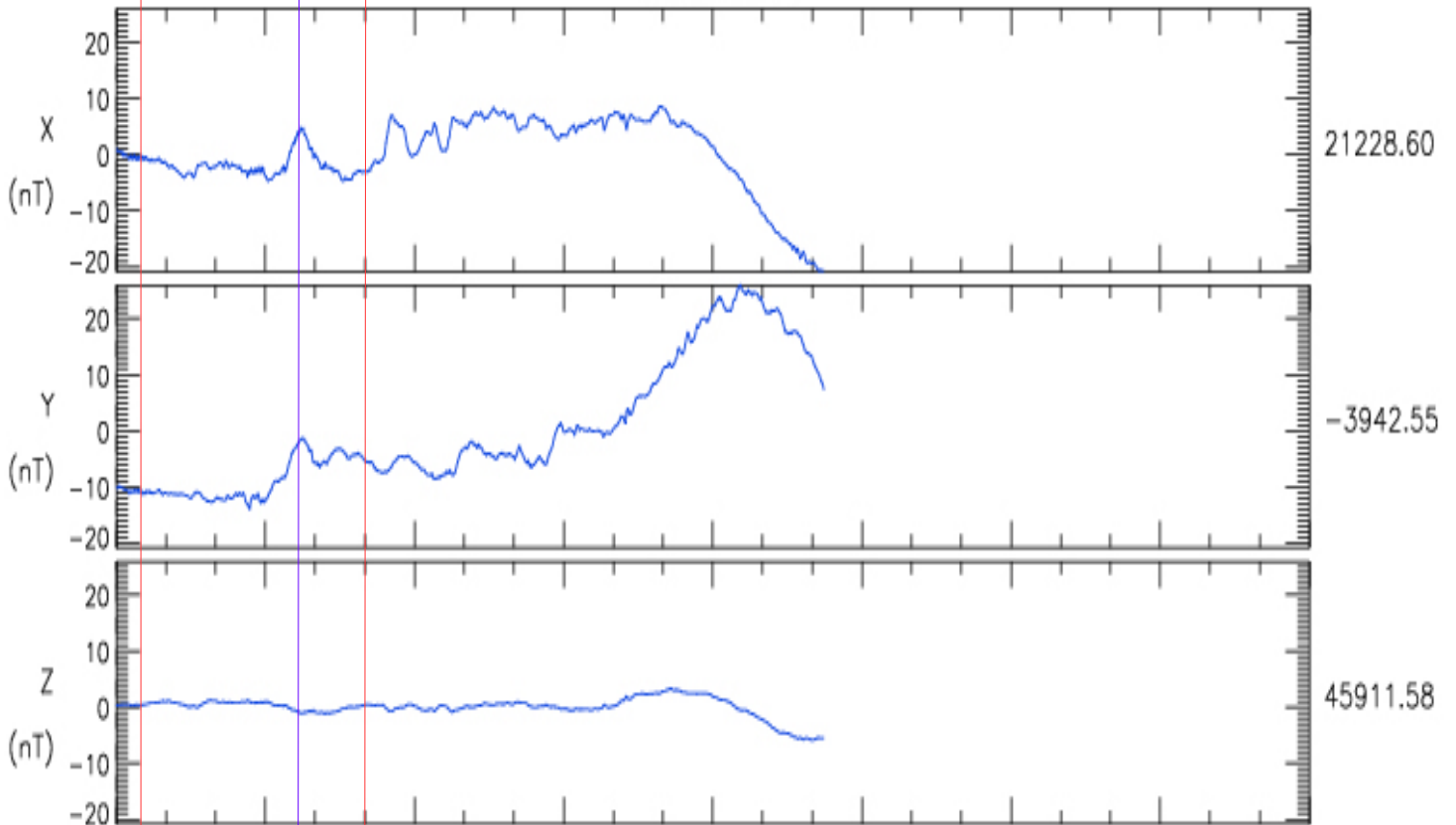


Fredericksburg (FRD) based on 1-minute provisional and variation data

2020-08-16



August 16, 2020 4.5 hour RM3100 PNI magnetometer run with RM3100 19 inches below surface in a wooded area shaded from direct sunlight. Colatitude 47.7 deg East Longitude 253.5 deg

Data collection with D. Witten runMag version 0.0.8, RM3100 cycle count 400.

Fredericksburg XYZ data downloaded from INTERMAGNET.ORG data plotting site 08/16/20

Red vertical line mark the 0030 to 0500UTC data collection period.

Blue vertical line shows close correlation between Fredericksburg and RM3100 data.

The simple sliding 1 minute low pass filter used on the 1 second data samples does not conform to the digital filter specified in the INTERMAG technical handbook..

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