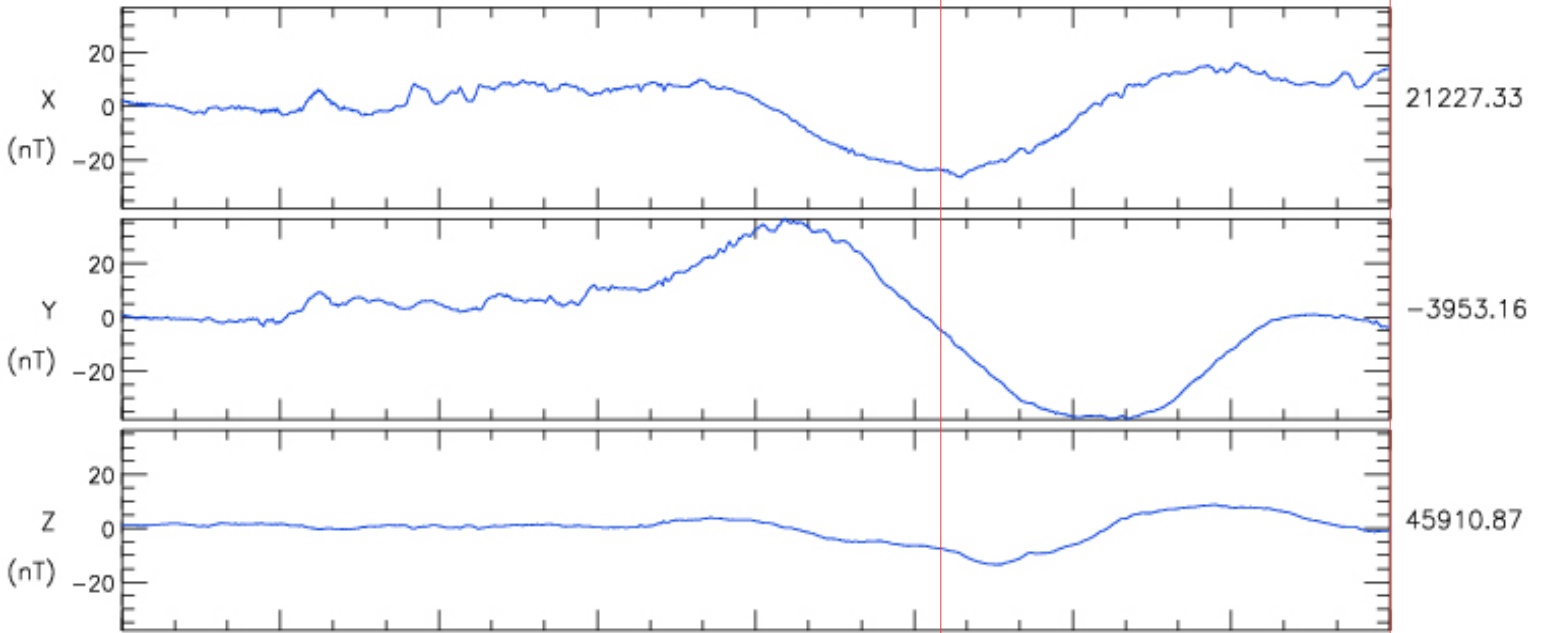


Fredericksburg (FRD) based on 1-minute provisional data

2020-08-16



August 16, 2020

1530UTC-2400UTC 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 collected with RM3100 cycle count of 600 and 10 average count. Data points every 1 second.

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

Red vertical lines demark the data collection period.

Vertical scales adjusted to correspond as closely as possible. Values in nT.

First half of Z axis plot may contain manmade 'noise'.

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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