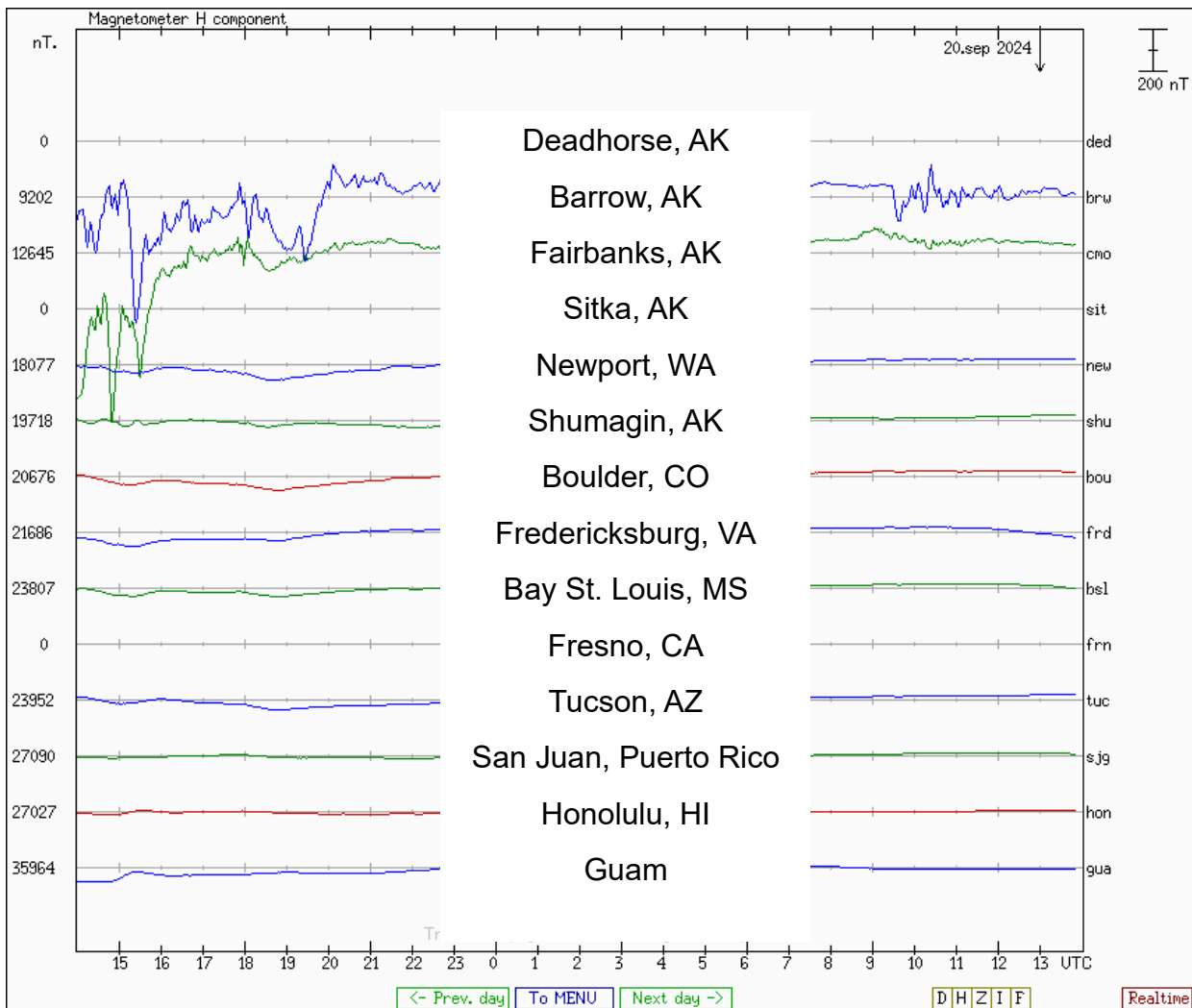


Challenges with the Homemade Magnetometers

1. The presence of large amounts of metal nearby affects the readings significantly.
 - a. A garbage truck driving by.
 - b. A metal roof.
2. Disturbances.
 - a. Bumping the table.
 - b. Wooden floors – people walking by.
 - c. Movement of any of the pieces.
3. Timing.
 - a. Some events are quite brief. Observing once a day you may miss the peak completely.
 - b. Not observing every day you may miss the peak.
4. Latitude.
 - a. Just as the auroras are affected by latitude, so are the deviations in the magnetic field.

Bottom line is that the odds are stacked against us. Good luck – make those observations!



Web page: <https://www.spaceweatherlive.com/en/auroral-activity/magnetometers.html>