
Geiger counter project - Some thoughts

1 message

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To: Special-Advisers-MADAR <special-advisers-madar@googlegroups.com>

Hi Guys,

Eric B is doing a few tests to see where we might be able to go with a long-delayed and very important project for MADAR - the utilization of a commercially-made and fairly inexpensive geiger with the existing Raspberry Pi 3Bplus system in the MADAR-III dataProbe.

It is my belief that we need to develop the system without much further delay, but keep it in a phase 1 mode until at a later date it could go into a better phase 2. Phase 2 might be the powering and use of the GMC 300 or GMC 500 using one of the USB ports on the MADAR, but before we do that phase 1 needs to be powering of the GMC units by their own separate power supplies and feeding the output data into the MADAR device. I am concerned about possible local E-M, AND the affect the drain might be on the current Cana power supplies we use today.

We know that the data in milliroentgens per hour would be desired scientifically speaking, and very accurate, but we might begin with the audio output of clicks or counts per minute. Who knows what we might be able to do. Anything is better than digging through the data after every potential false alarm or suspected MADAR "hit", when one can simply look at the added column on our spreadsheet to see the ambient reading before, during and after the suspected event.

This might be so simple that we'll be kicking ourselves as we move into year 6, 2023, but then it might also be something we can't do. I think there is information regarding the pi and a geiger counter on the net that we might look at, but I'm for getting this working if it can be done. The original MADAR of the 70's and 80's simply recorded, upon alert by a relay system, the audio onto a simple cassette recorder.

<https://www.tomshardware.com/news/raspberry-pi-zero-geiger-counter>

Fran