

SUG Minutes – 30 May 2017

In attendance

Dick, Jim B, Wes, Francisco, Jim T, Tom, Chuck, Jim S, Shing, Dave

Station Reports – New Info in RED

Tom – decent conditions; good Io-C last night w/ audio.

Dick – Not much new; awaiting IT department to do something; obs currently offline.

Jim B – SDRPlay 1 & 2 eavls continue; experimenting with using them to generate high speed data.

Chuck H – Investigating the possibility of an internet connection at the farmhouse.

Larry –

Andy –

Wes – SDRPlay 1 working very reliably on a WinXP box.

Francisco – The TFD array space at RHO has been de-bushed. Now cutting cables and delay lines. Ran an experiment at home (within a mile of four VHF comm & broadcast towers) using an FM broadcast band LPDA. Oriented perpendicular to the towers, the SWR was okay. Oriented parallel to the towers, the SWR was very bad, possibly due to interference overloading the SWR bridge.

Dave – Nothing new.

Discussion – New Info in RED

Post-Sunset Propagation TP's

Tom, Wes, Jim, and Dave have seen propagation TP's after sunset, specifically on May 28 when the K index was very high. Dave recapped the probable causes of TP's. A description of propagation TP's may be found within the document linked here: [The HF Spectrogram, Typinski \(2017\) Slides and Notes.pdf](#)

Extra-Solar(?) SID

Tom saw what looked like a SID (radio blackout) from 2110 to 2350 UTC on 20 May 2017. Dave had suggested an X-ray flare from a nearby star. Francisco added that there exists a published report of an observed effect on the ionosphere concomitant to a gamma ray burst. Dave wondered if anyone is tracking GRB's. Chuck offered that the Swift X-ray telescope data might be useful.

HEC

Chuck has sent out a new shipment of hardware (SDRPlay2 units and portable hard drives). Most mentioned that they had received the shipment.

Chuck's student continues to work on quiet day curve (QDC) analysis of Radio Jove data.

Mailing List

Several people are having issues, sporadic or always, with the NASA mailing lists. Dave will renew his effort to establish a simple mailing list service.

**Next SUG Telecon Tuesday, 13 Jun 2017 at 5:00 pm EST (2100 UTC)
(844) 467-6272, 352297#**