To: Deuterium Array Group  

From: Alan E.E. Rogers  

Subject: Suggested interference monitor  

Given the time variation in the RFI it appears that we may need to monitor received power in 3 dimensions: time, frequency and direction. It might also be necessary to monitor the sun, which on occasion produces bursts of radiation extending up to 327 MHz. The 50 channels of a D1 array receiver could support 12 dual polarization yagis plus a dual polarization yagi pointed at the sun. The 12 dual polarization yagis could cover the horizon with 30 degree spacing. While the station arrays themselves may be able to monitor RF1 the added sensitivity that the yagis provide may enhance our ability to reject periods with low level interference that might mimic the D1 line.