VEGAS Pre-observation tests – January 22, 2013

Jan 22 -- 5 mts long scan followed by a 6 hr long scan on artificial pulsar. Scans will be run through GBT simulator and all 7 Banks needed for GC observations will be used for the test.

Jan 23 (9am to 11am)-- Bandshape through VEGAS with noise source. Data will be acquired using GBT simulator.

Jan 23 (11 am to 12 pm) -- connect VEGAS to GBT IF system.

Jan 23 (12:30 pm to 4:00 pm) --

(a) Check balancing and adjust the power level where VEGAS need to be balanced (Melinda is needed for this test)

(b) measure sensitivity across the 7 GHz bandwidth of Ku- receiver using VEGAS. This will be done by observing a continuum source

(c) Observe a pulsar for about an hour or so.

Candidates: PSR B2020+28 is the primary source to observe; it will be up PSR B0355+54 is also very bright and will be up. If there's time, getting a pair of 20 minute scans on each would be great.

(d) Repeat the sensitivity measurement on continuum source.