

Observing set up: Recording IF1 at 87032 MHz to cavsi1 /data/xraid1 (ATNF V002B). DAS1 profile is 64MHz\_n.pro. Recording IF2 at 87160 MHz to cavsi2 /data/xraid0 (ATNF V005A). DAS2 profile is 64MHz\_n.pro.

Recording linear polarisations. Reference antenna is CA02 on N11.

Observing log (all times UTC):

0430: Seeing is around 1000 microns on our seeing monitor (300m baseline). It is therefore pointless to try and tie more than one antenna into the tied array right now. We are thus using only CA02 in the tied array. Phase on 3C279 is all but noise.

0554: Stopped to go do a 15mm pointing scan on 1729-37, then a paddle scan on SGRA\*. Seeing is still above 1000 microns, so no change to tied array.

0607: Back on schedule at 06:06:40, 1741-312.

0727: Stopped to go do a 15mm pointing scan on 1729-37, then a paddle scan on SGRA\*. Seeing is way better now, at about 300 microns, but phase on SGRA is still not good enough to pcal and then tie more antennas.

0737: Back on schedule at 07:30, SGRA.

0916: Seeing has improved now to less than 200 microns, but still the phases will not stay near zero after a pcal.

0919: Stopped to go do a 15mm pointing scan on 1729-37, then a paddle scan on SGRA\*.

0927: Back on schedule at 09:27, on SGRA. The phases in vis are still wobbly, but from the zoom plots in SPD, and the fact that the RMS seeing is decent, I'm going to risk putting all antennas in the tied array. This was done at 09:28:45.

1130: End of schedule, all went fine. Seeing at the end is a little below 300 microns, all antennas were still in the tied array.

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