

Mopra has a hybrid polariser which goes at the subreflector and it should be very good. Note that the 2 circular polarisation should have the same T_{sys} . If they don't it maybe that the polarisation will need tweeking until they are equal.

Polarisation was setup correctly a week earlier. However, the 3cm Rx is having problems and the levels between polars A and B are changing. Hence, the hybrid setting goes wrong and the polarisation purity is terrible!! There is a lot of signal in the cross polars LR and RL even in the fringe fitting. Probably polarisation isolation not better than 10db.

This also makes the T_{sys} values very asymmetric. For Calibration perhaps an average for T_a and T_b may be the best approximation.

13:00 UT Recording on ATNF 006B

15:59:50 UT Time check. All ok.

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