

Hobart, as I recall, has an ad-hoc setup. In this one confirms, against a nominally circular radiator, that the two polarisations coming in are of different polarisations - one receiving maximum signal and the other nothing. This would put the two feeds at opposite sides of the Poincare sphere, but not necessarily on the LHC/RHC poles. Recall that a helix radiates perfect circular polarisation only at its design frequency (where the circumference matches the wavelength I think). If this method will be used can have a new helical antenna made for Hobart? One which is tuned to the 3cm (8425 MHz) band used, and new - so not beaten up by the Tasmanian storms.\

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