4.5cm broad band C/X secondary focus receiver (4000-9300 MHz)

This is a broad-band receiver with two orthogonal linear polarizations (at a 45°-angle with the horizon). The system is still under test, but could be used on a "shared-risk" basis.

Calibration Information

Frequency [GHz]	Channel	Polarisation	Tcal [K]	Tsys [K]	Sensitivity [K/Jy]	SEFD [Jy]	Aperture Eff. [%]	TMB/S [K/Jy]	Main Beam Eff. [%]	FWHM [arcsec]	Last update
6.668	1	lin	4.5	27	1.54	17	54	2.2	63	102	Nov 2016
6.668	2	lin	4.1	28	1.54	18	54	2.2	63	102	Nov 2016

normalized Gain curve (G = A0 + A1·Elv + A2·Elv2)			Observed in	confirmed
A0 = 0.9928	A1 = 4.212E-4	A2 = -6.158E-6	Jun 2016	

Comments:

- The gain curve was corrected for opacity (though it is small, < 0.02 throughout the band).

Version description for OBSINP

Channel assignment in the MBFITS data files

Tcal and Tsys measurements