

17cm prime focus receiver, UBB (1300-6000 MHz)

This is an ultra broad band (UBB) 2-channel system covering a range from 1300 to 6000 MHz. Obviously, there is still a lot of RFI present.

Currently, the system is in commissioning. If you are interested to use it, please contact the staff.

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
1.41	A+B	2x lin	5.7	19.8	1.3	15.2	46	1.90	68	569	first observations
1.665	A+B	2x lin	6.7	20.6	1.3	15.8	46	1.78	73	497	first observations
2.35	A+B	2x lin	8.8	16.1	1.3	12.4	46	1.68	77	363	first observations
3.35	A+B	2x lin	11.0	16.5	1.3	12.7	46	1.66	78	256	first observations
4.85	A+B	2x lin	12.5	18.8	1.3	14.5	46	1.71	76	174	first observations
5.54	A+B	2x lin	11.6	19.0	1.3	14.6	46	1.64	79	156	first observations
normalized Gain curve (G = A0 + A1·Elv + A2·Elv2)							Observed in confirmed				
A0 = 1.0		A1 = 0.0		A2 = 0.0							

Comments:

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