

TFD and Jove Dipole — Galactic Background Measurements

Typinski, August 2014

All measurements made with antenna under test connected through 1.9 dB line loss to RJ receiver #1, no multicoupler, RSP calibrated for feed loss.

Antenna Configuration	Ant Temp (kK), Avg of 3 daily samples Each daily sample is a ~30 sec average		Diurnal Variation	
	0400 UTC	1100 UTC		
Jove Dipole at 10' Height With Ground Plane	50.1	33.0	1.8 dB	
Jove Dipole at 10' Height No Ground Plane	35.3 -1.5 dB	21.9 -1.8 dB	2.1 dB	+0.3 dB
24' TFD at 9'2" Height With Ground Plane	19.7	13.4	1.7 dB	
24' TFD at 9'2" Height No Ground Plane	13.1 -1.8 dB	8.2 -2.1 dB	2.0 dB	+0.3 dB
Jove Dipole at 10' Height With Ground Plane	50.1	33.0	1.8 dB	
24' TFD at 9'2" Height With Ground Plane	19.7 -4.0 dB	13.4 -3.9 dB	1.7 dB	-0.1 dB
Jove Dipole at 10' Height No Ground Plane	35.3	21.9	2.1 dB	
24' TFD at 9'2" Height No Ground Plane	13.1 -4.3 dB	8.2 -4.3 dB	2.0 dB	-0.1 dB