

Instrument Characteristics

Parameter	Value
Operating modes	Single frequency Dual frequency (only when using double beam switch)
Sensitivity (5σ , 1 hr)	4.5×10^{-21} W/m ² at 480 μ m 1×10^{-20} W/m ² at 300 μ m 3×10^{-20} W/m ² at 200 μ m 5×10^{-20} W/m ² at 130 μ m
Resolving power	R = 10^5 - 10^6 R = 10^6 - 10^7
Angular resolution	4.7" arcseconds @ 112 μ m
Wavelength bands	617 - 397 μ m 397 - 252 μ m 252 - 168 μ m 168 - 111 μ m
Field of View (instantaneous)	2.1' x 2.1' at 480 microns 1.3'x1.3' at 300 microns 0.8'x0.8'at 200microns 0.6'x0.6' at 130 microns
Saturation limit	<S_max> mJy
Scanning speed (survey mode)	N/A
Mixer	SIS for 486 to 1188 at about 2 hn/k Trx (DBS) , HEB for 1188 to 2700 GHz at about 3 hn/k Trx (DSB)
LO	Amplifier-Multiplier Chains

<other>	Simultaneous observations of 2 lines in different spectral range possible when
<other>	2 orthogonal polarizations for each frequency band