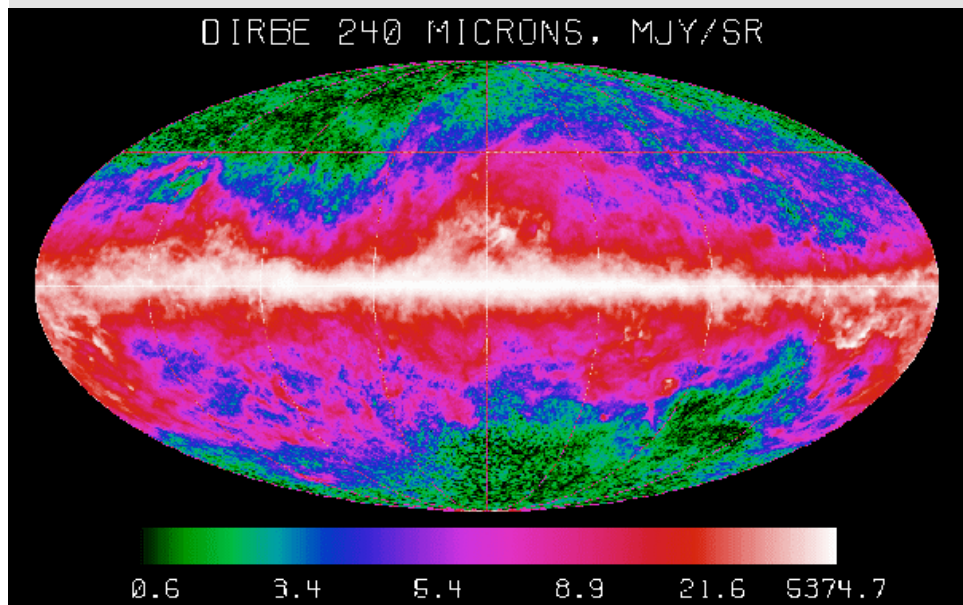
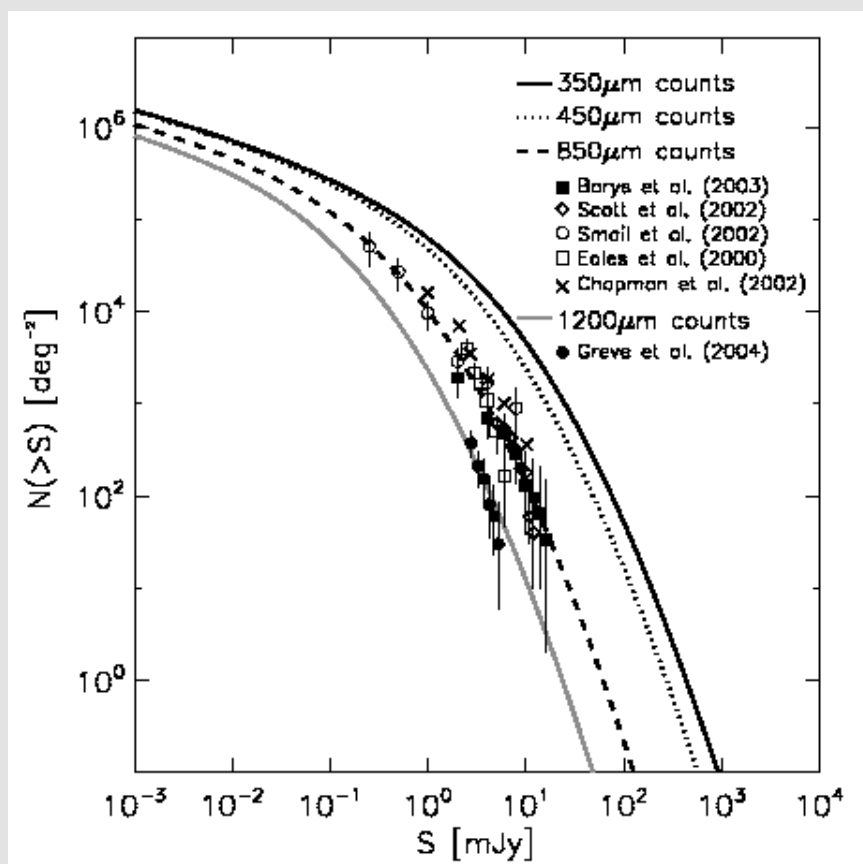


Confusion

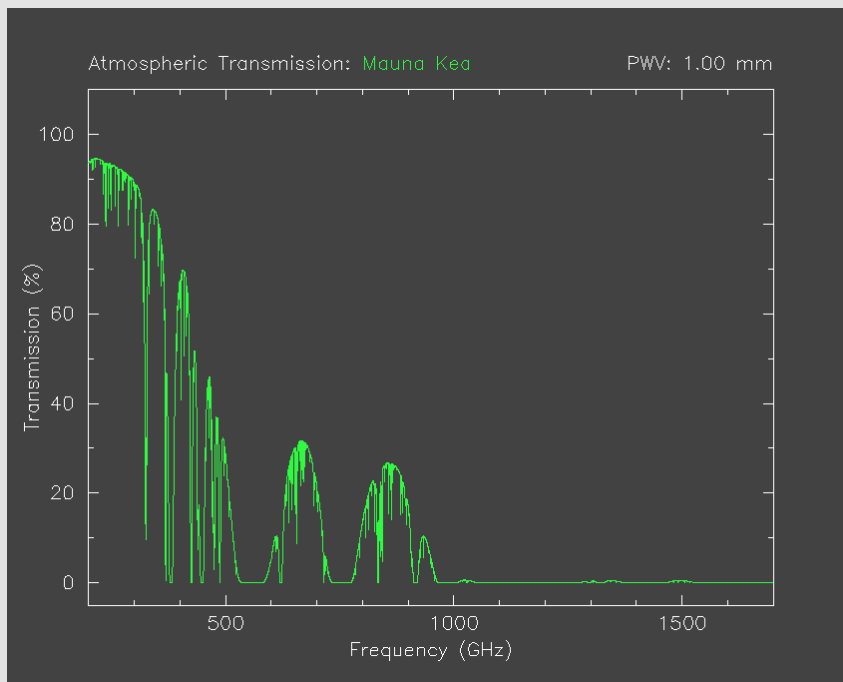


Confusion limit for 42m

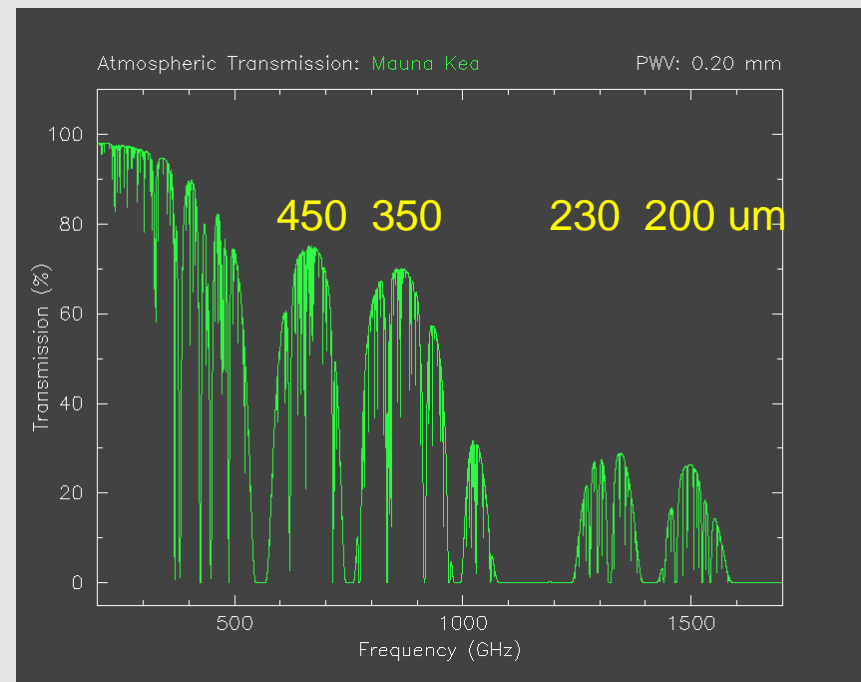
	850μm	450μm	350μm	200μm
5σ/40beam confusion limit * (90% sky coverage)	0.5 mJy	0.2 mJy	0.1 mJy	0.02 mJy
Time to confusion limit (for point source)	5 minutes	2 hours	30 hours	1000 days

*** For 5x5 arcmin imager => 400 objects in the FOV**

THz windows

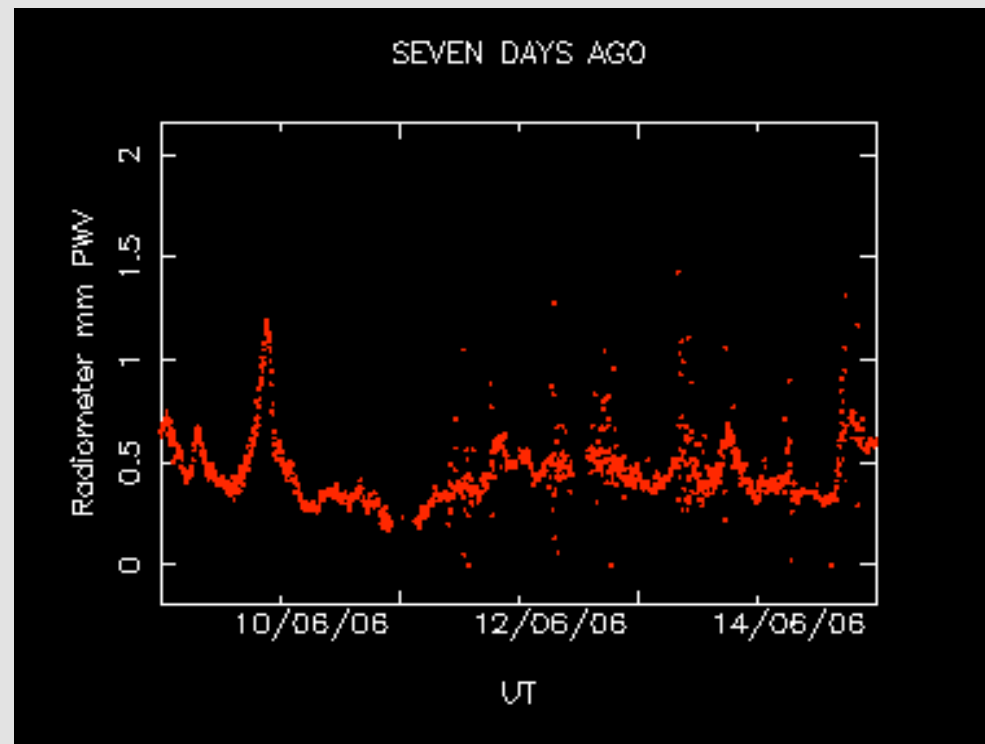


1mm pwv (band 1-2)



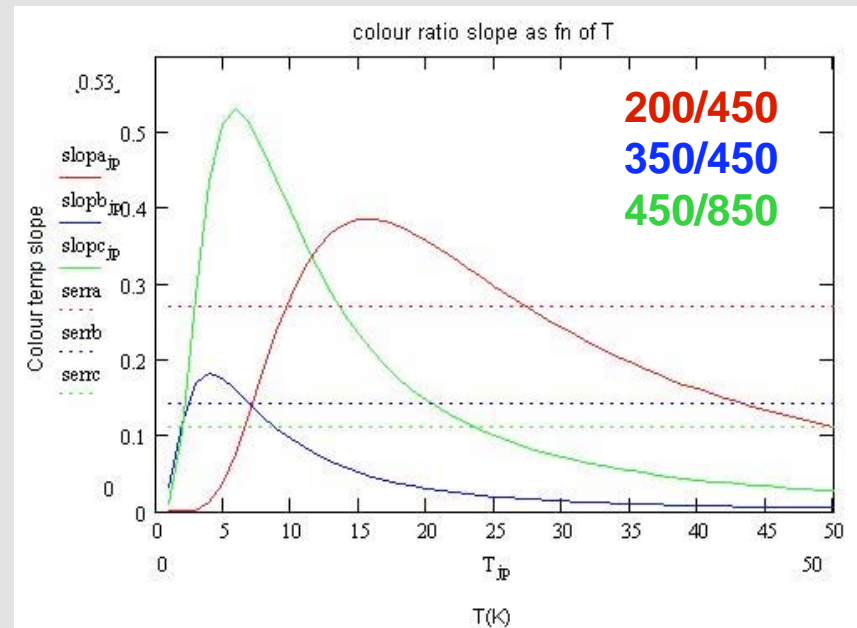
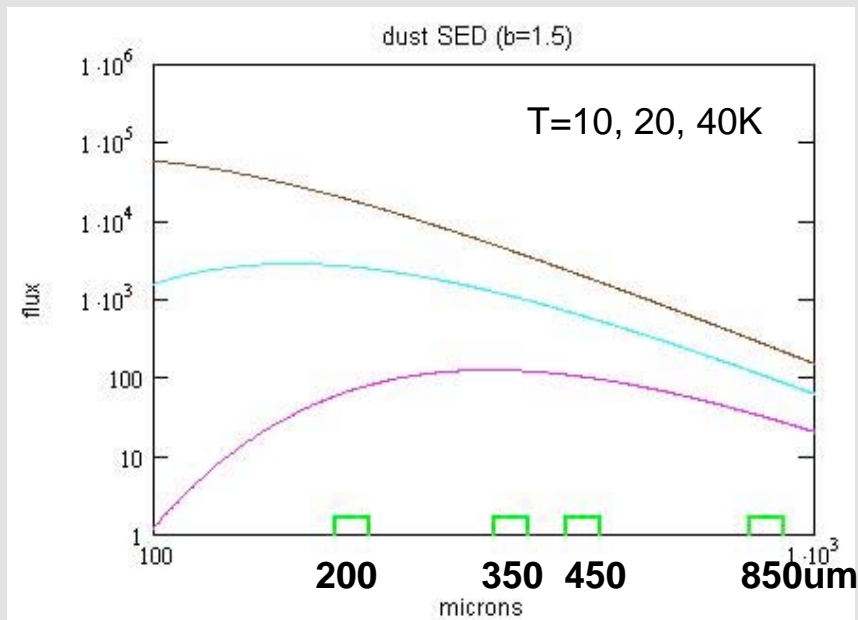
0.2mm pwv

APEX site



P W V c o n t e n t (mm)	Optical depth at zenith at 225GHz	NEFD 850μm	NEFD 450μm	NEFD 350μm	NEFD 200μm
0.2mm	$\tau_{225}=0.02$	1.6	2.4	4.0	~10
0.5mm	$\tau_{225}=0.03$	1.8	3.8	6.4	40-100
1mm	$\tau_{225}=0.06$	2.0	7.9	14	>>
2mm	$\tau_{225}=0.1$	2.8	35	68	>>
4mm	$\tau_{225}=0.19$	5.1	700	1600	>>

Sub-mm colour ratios



Calibration

Wavelengths	Calibration accuracy	Temperature range
850/450um	5/10%	2-24K
450/350um	10%	2-7K
450/200um	10/25%	10-27K