Wavelength λ (μ m) 1000 100 10 0.1 10-7 **DIRBE/2MASS** DIRBE/ DIRBE/ **WHAM** HST/LCO CAT **IRAS** 10-8 DIRBE ISO TDIRBE/Lick **FIRAS** γ rays CAT Wm⁻²sr⁻¹ SPITZER SCUBA **FOCA** 10-9 M82 10-10 10² 10³ 10^{4} 10⁵ 10⁶ 10⁷ Frequency v (GHz)