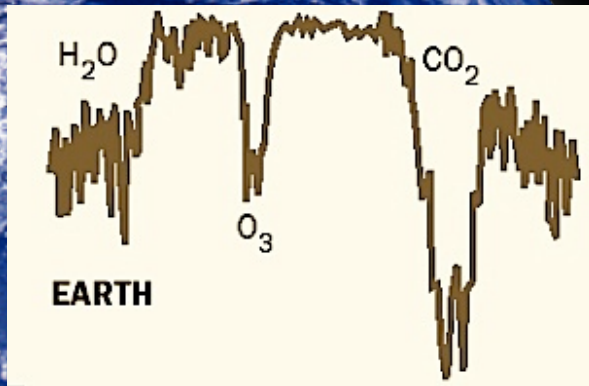
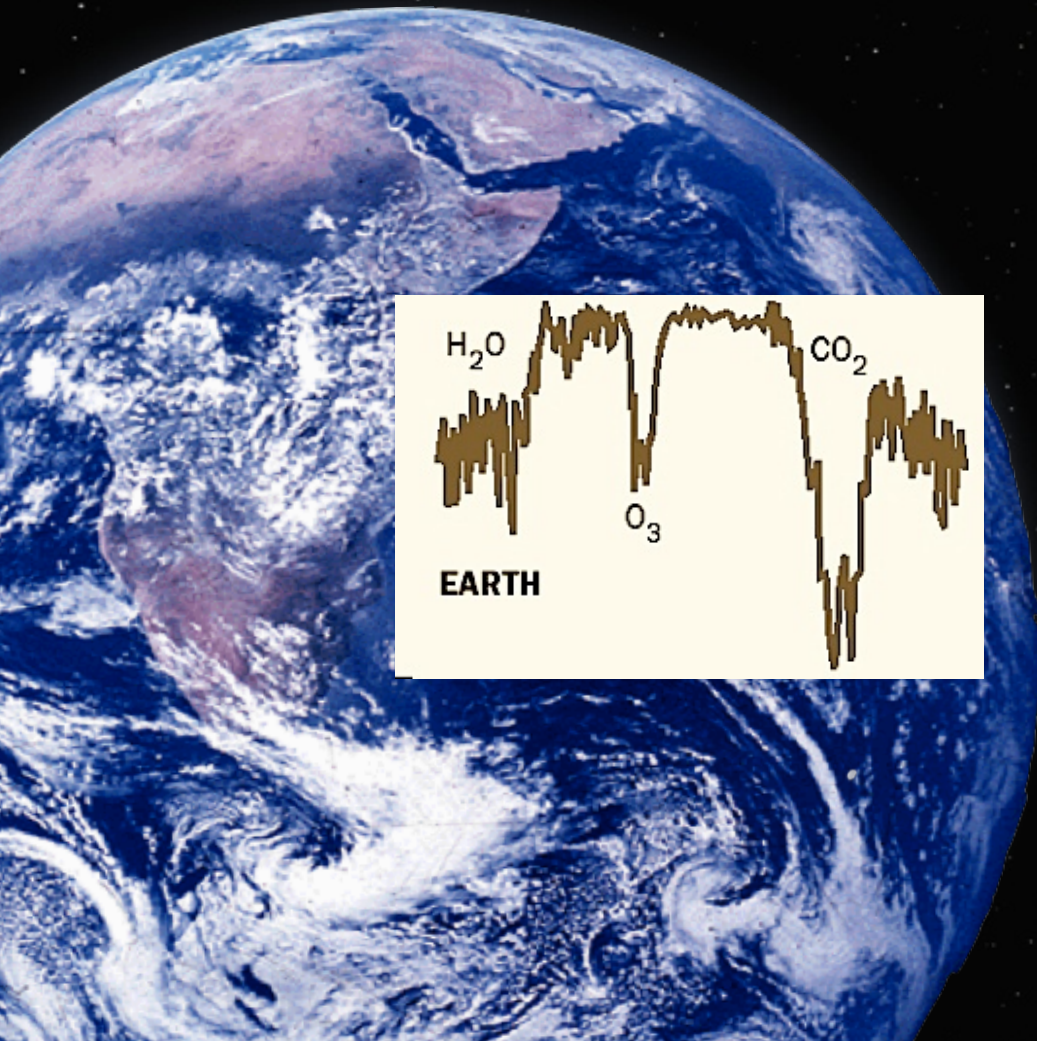
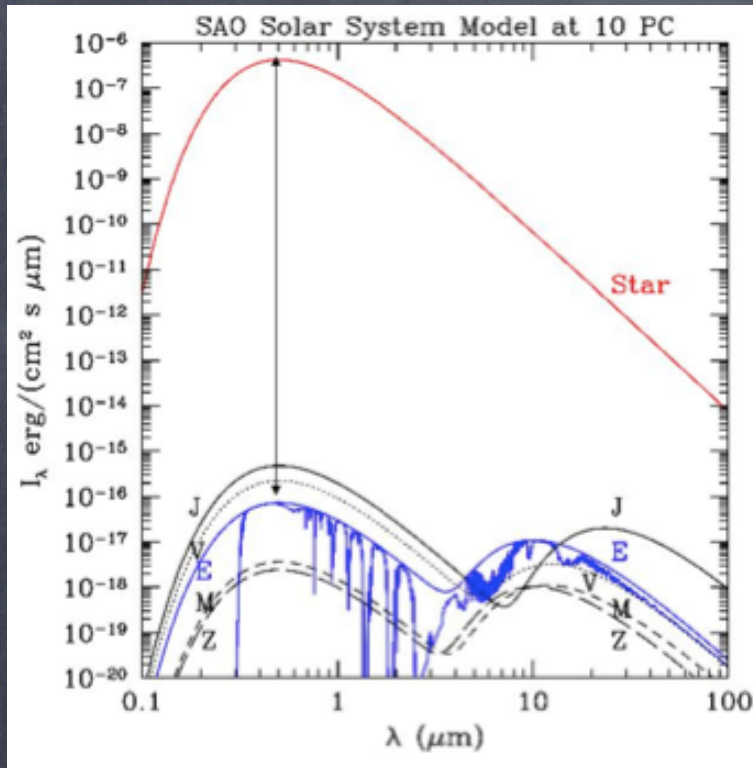


Extrasolar Planets Characterization



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...Main Difficulties with Planets...



Pianeta	a(AU)	ΔV (mag)	ρ_1 (arcsec)	ρ_{10} (arcsec)	ρ_{50} (arcsec)	ρ_{100} (arcsec)
Mercurio	0.39	24.6	0.078	0.039	0.0078	0.0039
Venere	0.72	21.6	0.144	0.072	0.0144	0.0072
Terra	1.00	23.0	0.200	0.100	0.0200	0.0100
Marte	1.52	26.4	0.304	0.152	0.0304	0.0152
Giove	5.20	21.3	1.040	0.520	0.1040	0.0520
Saturno	9.54	22.9	1.908	0.954	0.1908	0.0954
Urano	19.18	26.2	3.836	1.918	0.3836	0.1918
Nettuno	30.06	27.4	6.012	3.006	0.6012	0.3006
Plutone	39.44	33.7	7.888	3.944	0.7888	0.3944

Contrast

Jupiter/Sun = 10^{-8} = 20 mag
 Earth/Sun = 10^{-10} = 25 mag

Angular Separation:

Jupiter = 0.5 arcsec @ 10 pc
 Jupiter = 0.1 arcsec @ 50 pc