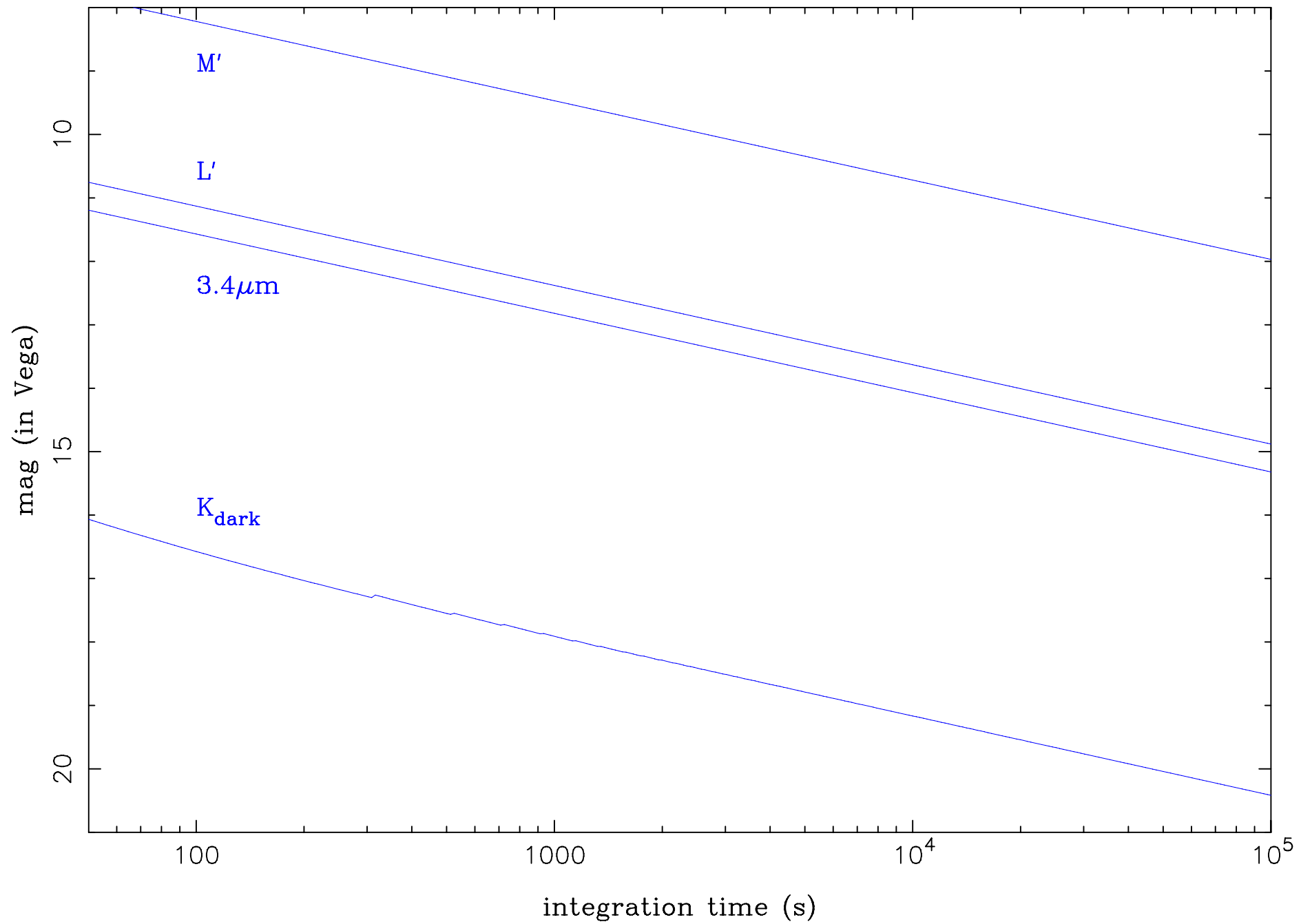
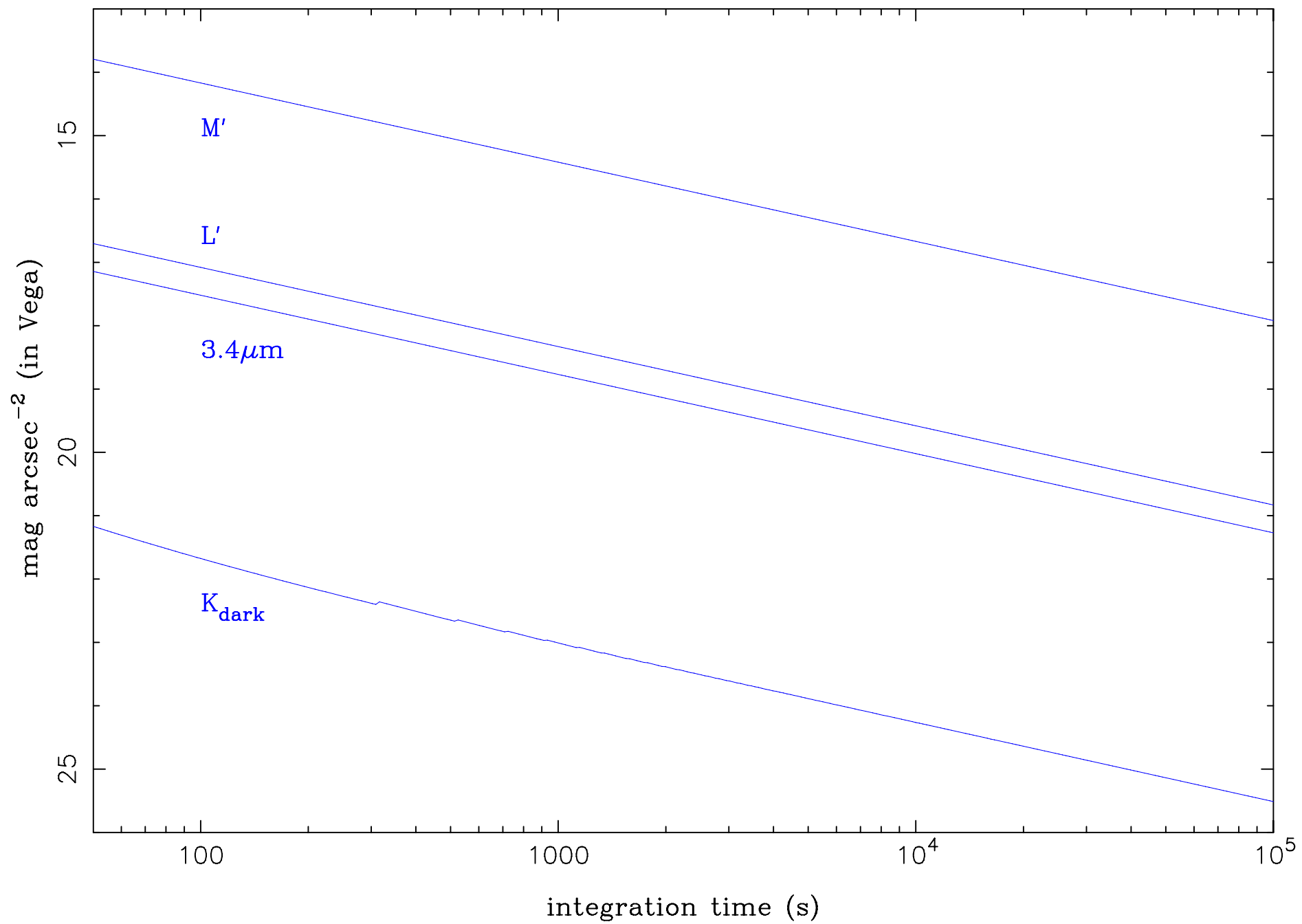


AIR-C Point Source Sensitivity (40cm, SN=5)



AIR-C Diffused Source Sensitivity (40cm, SN=1)



Parameters used for the calculation

band	λ_{eff} (μm)	$\Delta \lambda$ (μm)	Vega		sky radiation at Dome F (-70°C)
			F_{ν} (Jy)	Photons $\times 10^9 \text{ s}^{-1} \text{ m}^{-2} \mu\text{m}^{-1}$	mag arcsec ⁻² (Vega)
Kdark	2.36	0.18	543	4.93	18.0
3.4 μm	3.35	0.3	303	1.48	9.41
L'	3.78	0.5	248	1.07	8.33
M'	4.78	0.22	157	0.66	3.93

Telescope 40cm ϕ

AIR-C

Kdark

2.7"/pixel

3.4 μm

4.0"/pixel

L'(3.7 μm)

4.0"/pixel

Efficiency

0.5 (include telescope)