**Spectra** Brasseur,Busch,Serigano 25 z = 2z = 120 Quasar Emission (Flux) rest-frame 3.0 1e-13 **Spiral** 2.5 0.5 **Polar Ring** 3.5 3.0 Stellar Emission (Flux)
0.1
0.2
0.2 0.5 B 0.0 3.5 1e-21 3.0 z = 2z = 1rest-frame 0.5 0.0 2.5 Airmass = 0 2.0 Solar Emission (Flux) **Airmass** = **1.5** 0.5 0.0 1.0 **Airmass** = **1.4** Sky Transparency  $(F_{obs}/F_{in})$ 0.0 Sky Emission (Flux)  $^{\infty}$ 1 **Atmospheric Emission** 0 0.6 Airmass 1.3 No Airmass 0.5 SDSS Filter Response g 0.1 0.0 0.2 0.6 0.7 Wavelength ( $\mu m$ ) 0.9 0.4 0.5 0.7 0.8 1.0