**Spectra** Brasseur,Busch,Serigano 25 z = 2z = 120 Quasar Emission (Flux) rest-frame 3.0 <sup>1e-13</sup> **Spiral** 2.5 **Elliptical** 0.5 **Polar Ring** 3.5 3.0 0.5 0.0 3.5 <sup>1e-21</sup> 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** 0.0 Sky Emission (Flux) **OH** Forest 1 **Atmospheric Emission** 0 0.6 Airmass 1.3 No Airmass 0.5 SDSS Filter Response g 0.1 0.0 0.3 0.6 0.7 Wavelength ( $\mu m$ ) 0.7 0.9 0.4 0.5 1.0 8.0