Idealized Spectrum SiIV 1393 Norm. Flux 0 -1250-1000-750-500 -2500 250 500 750 Norm. Flux 0 250 500 750 -1250-1000-500 Norm. Flux Gaussian Noise S/N=20 -1250250 500 750 -1000-500 -250 0 Norm. Flux Gaussian Noise S/N=10 250 750 -1250-1000 -500 -250 0 500 -750 Norm. Flux

-250

Velocity (km/s)

-500

0

-1250

**-**750

-1000

250

500

750