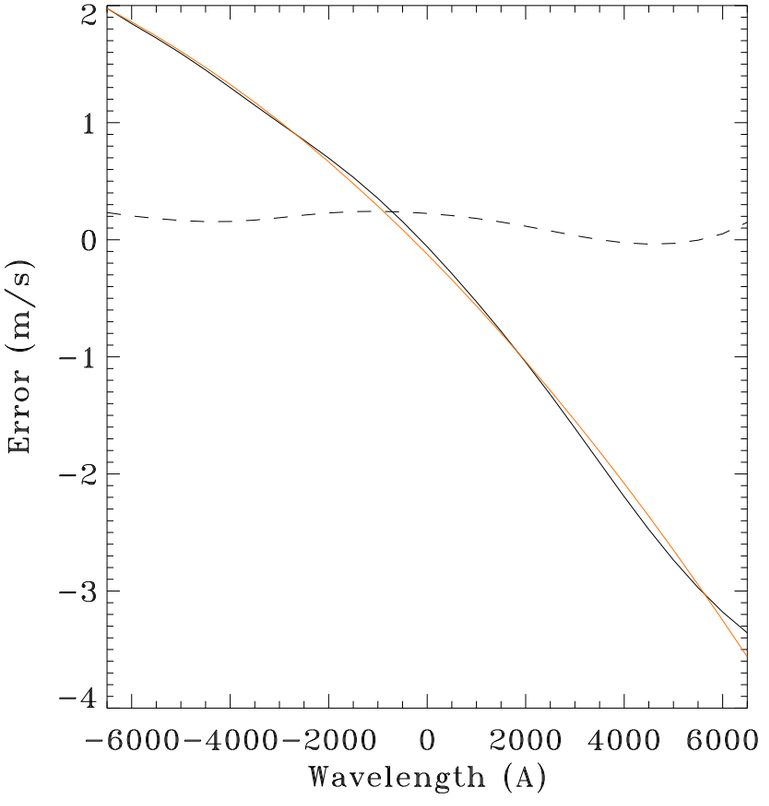
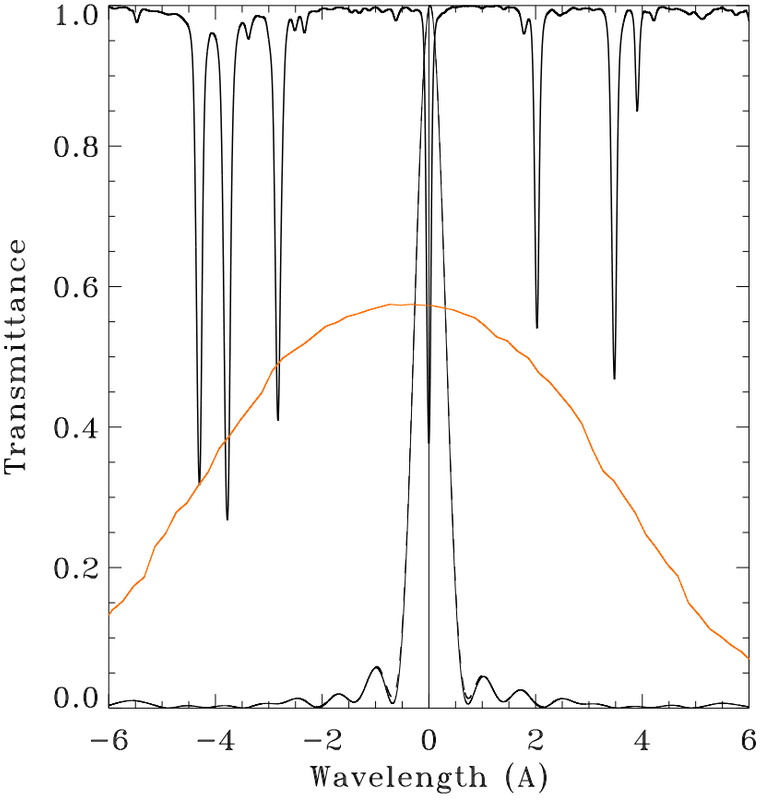
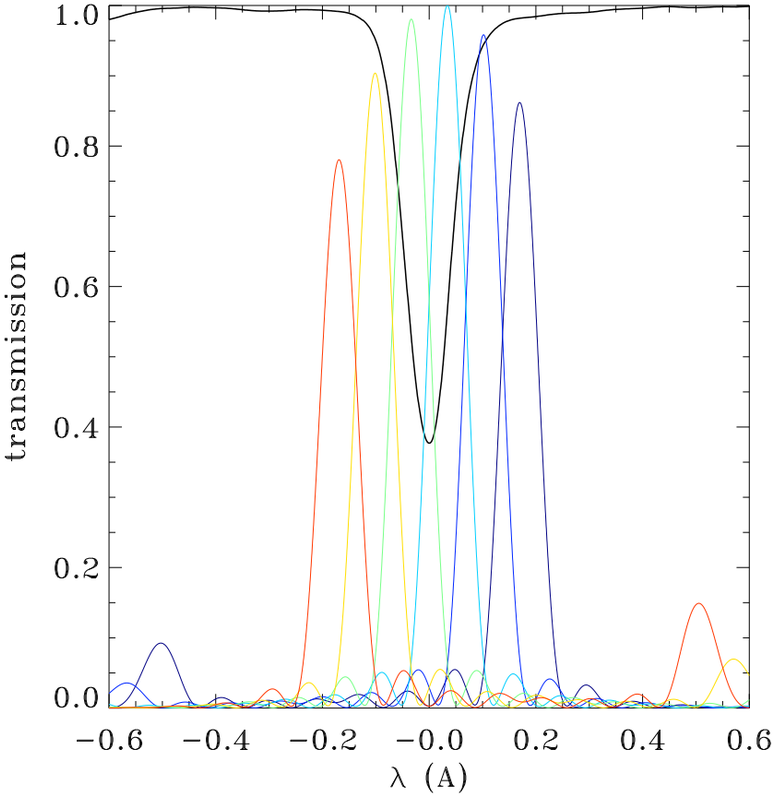
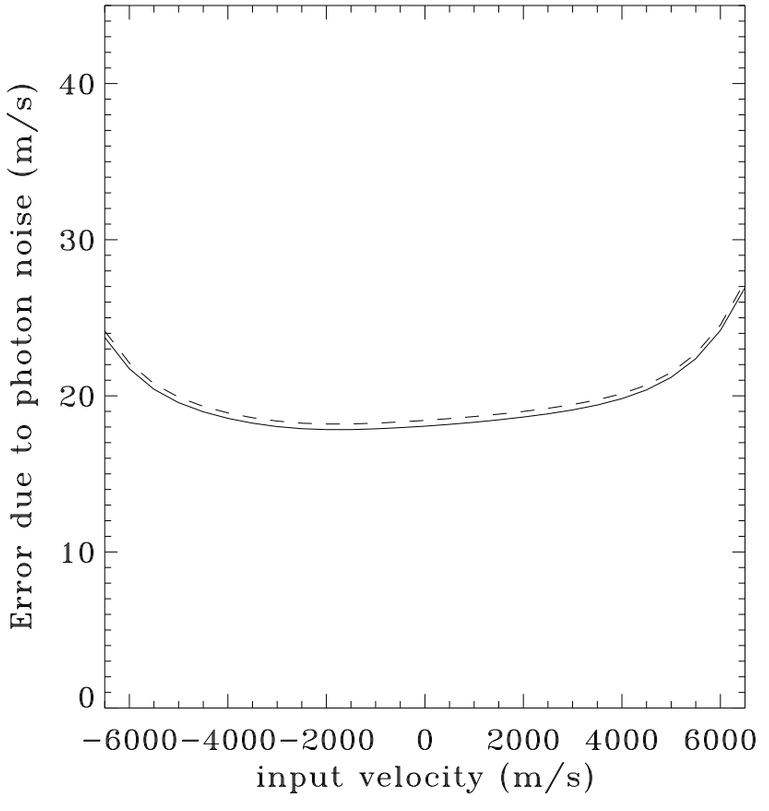

Error (m/s)
Wavelength (A)
2
1
0
−1
−2
−3
−4
−6000 −4000 −2000 0 2000 4000 6000


Transmittance
Wavelength (A)
1.0
0.8
0.6
0.4
0.2
0.0
−6 −4 −2 0 2 4 6


transmission
λ (A)
1.0
0.8
0.6
0.4
0.2
0.0
−0.6 −0.4 −0.2 −0.0 0.2 0.4 0.6


Error due to photon noise (m/s)
input velocity (m/s)
40
30
20
10
0
−6000 −4000 −2000 0 2000 4000 6000