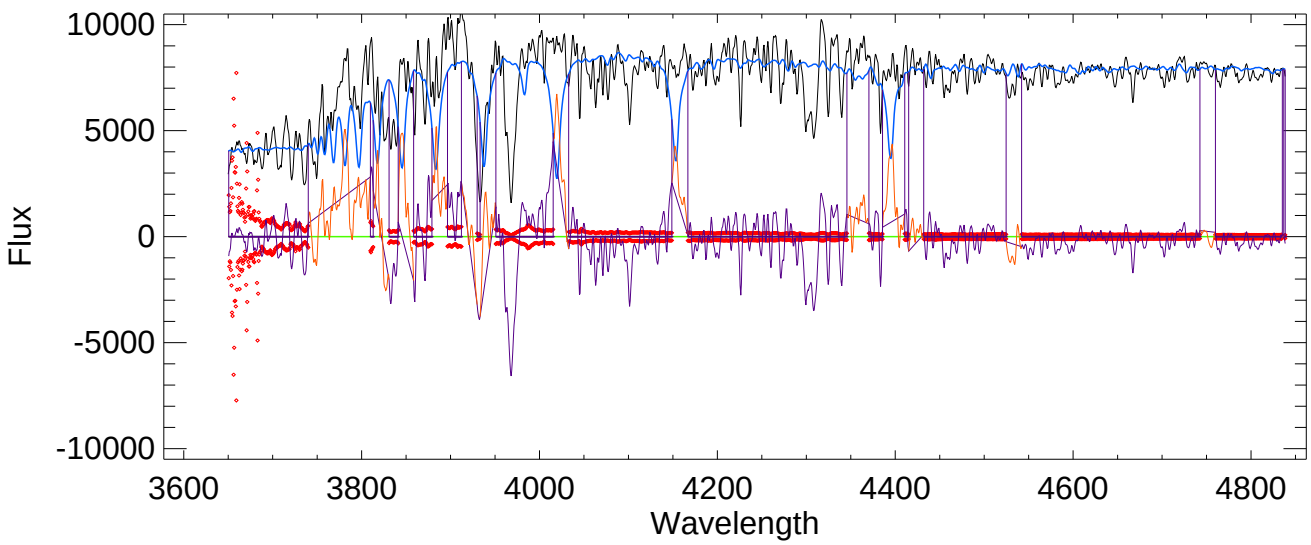
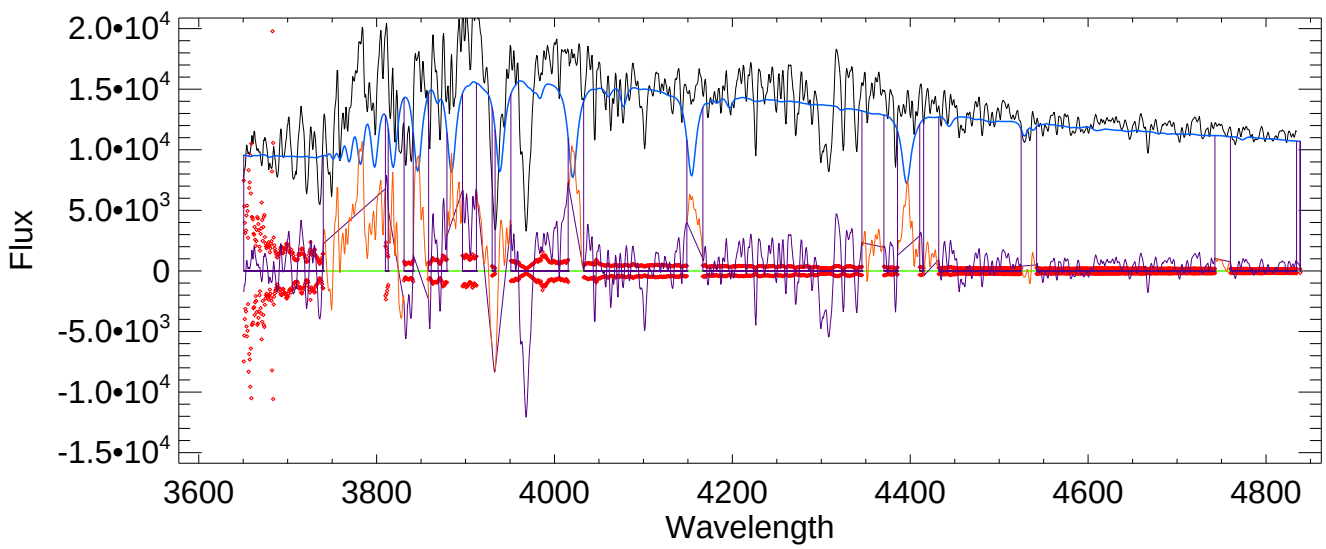
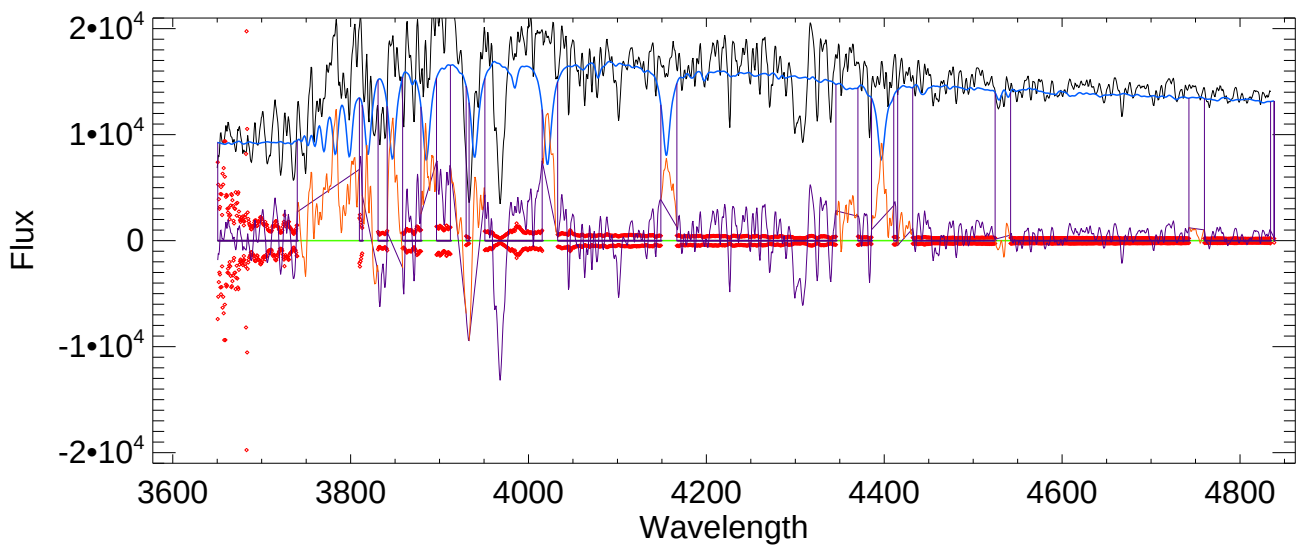
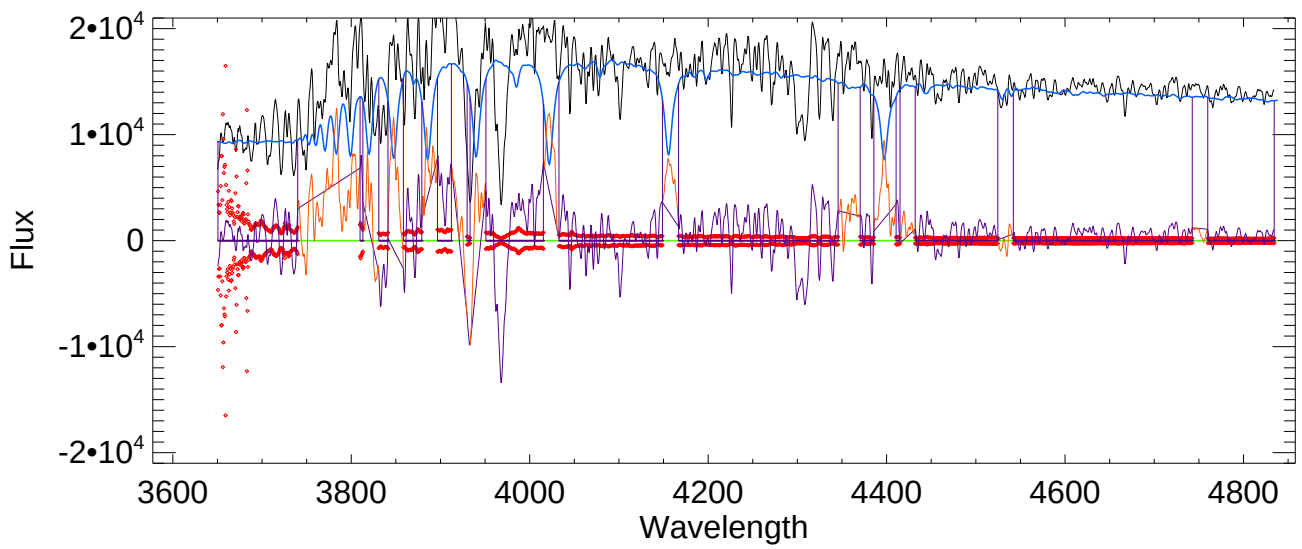
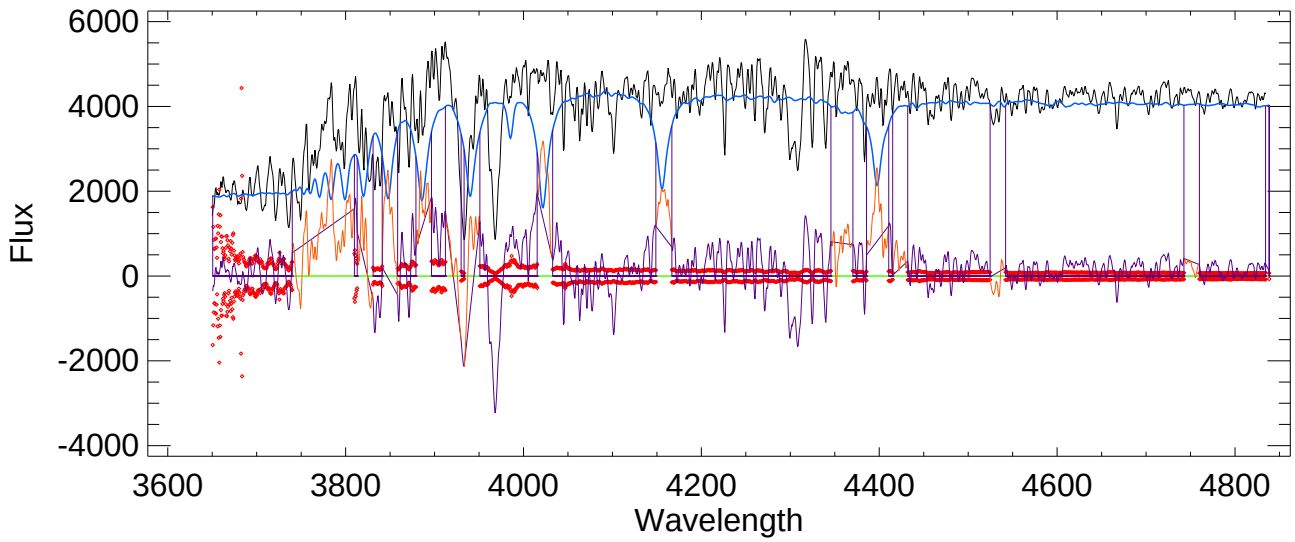
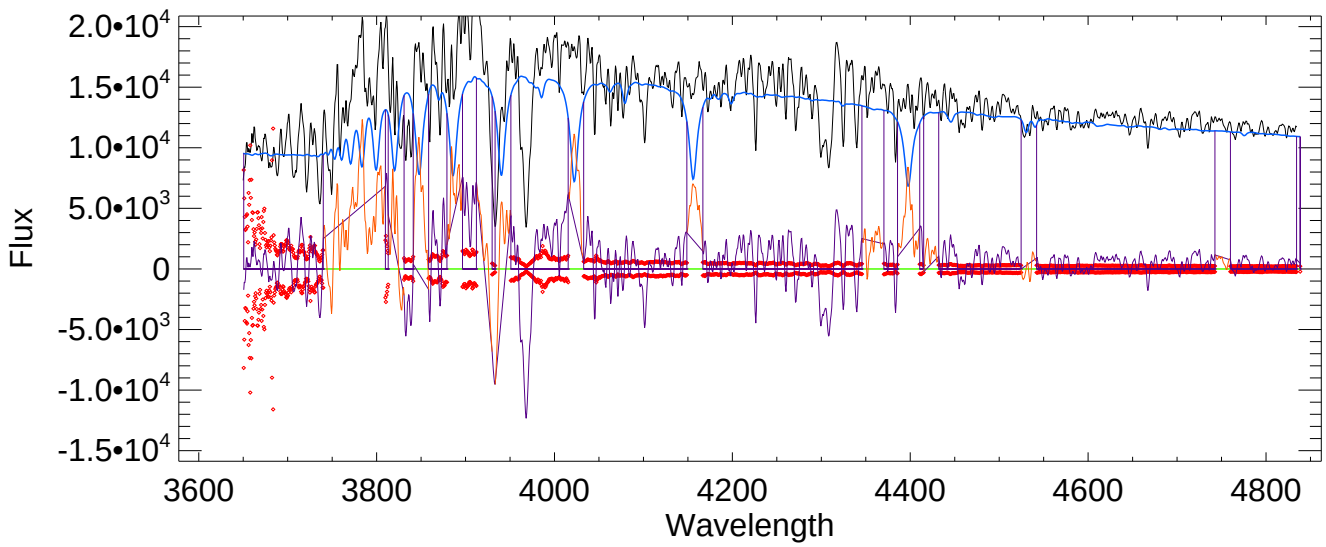

10000
5000
0
-5000
-10000
Flux
3600
3800
4000
4200
4400
4600
4800
Wavelength

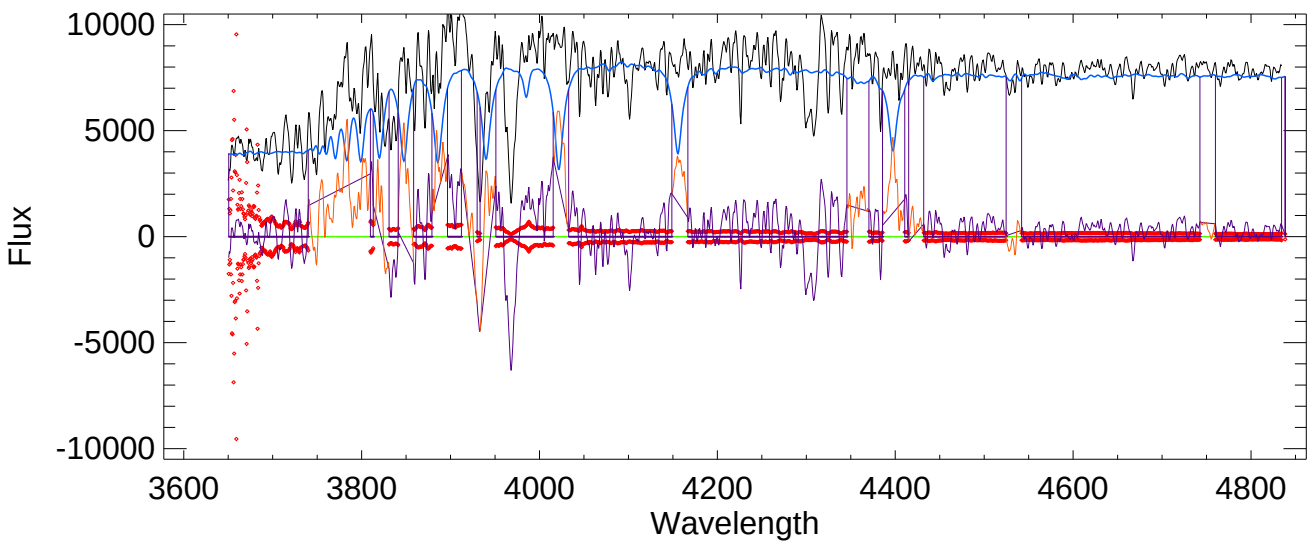

2.0•10^4
1.5•10^4
1.0•10^4
5.0•10^3
0
-5.0•10^3
-1.0•10^4
-1.5•10^4
Flux
3600
3800
4000
4200
4400
4600
4800
Wavelength

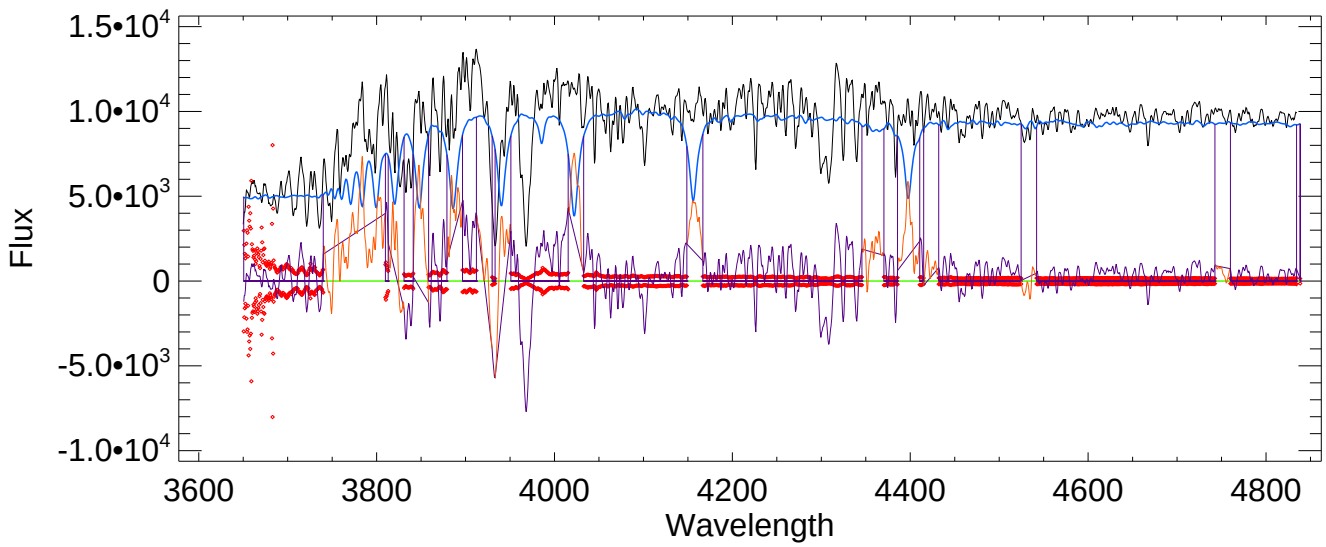

2•10^4
1•10^4
0
-1•10^4
-2•10^4
Flux
3600
3800
4000
4200
4400
4600
4800
Wavelength

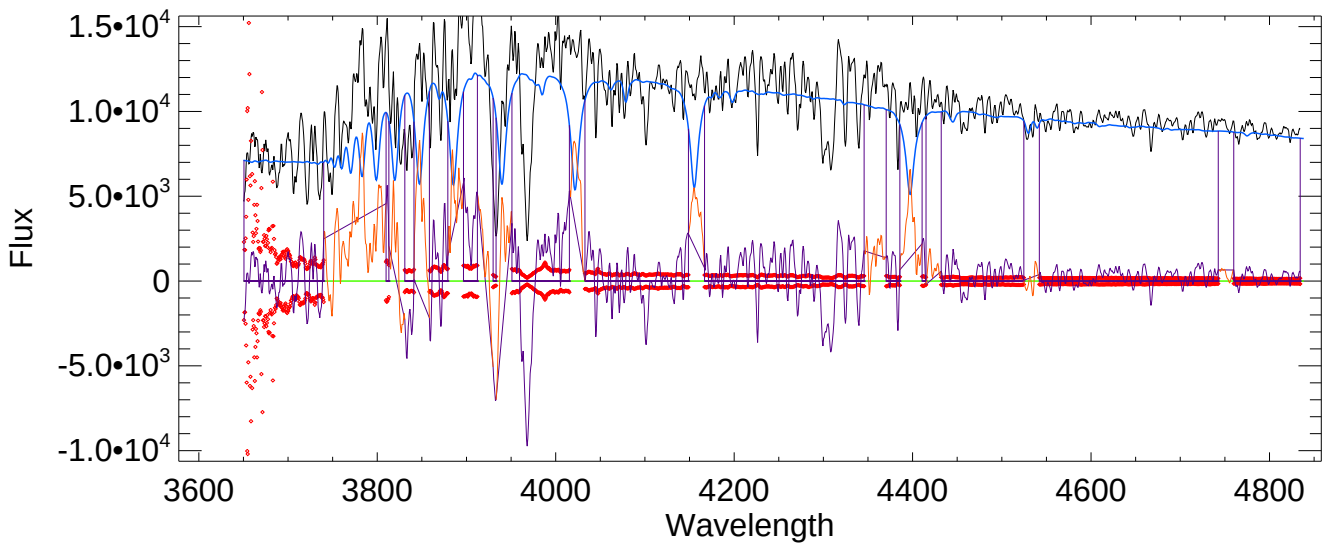

2•10^4
1•10^4
0
-1•10^4
-2•10^4
Flux
3600
3800
4000
4200
4400
4600
4800
Wavelength

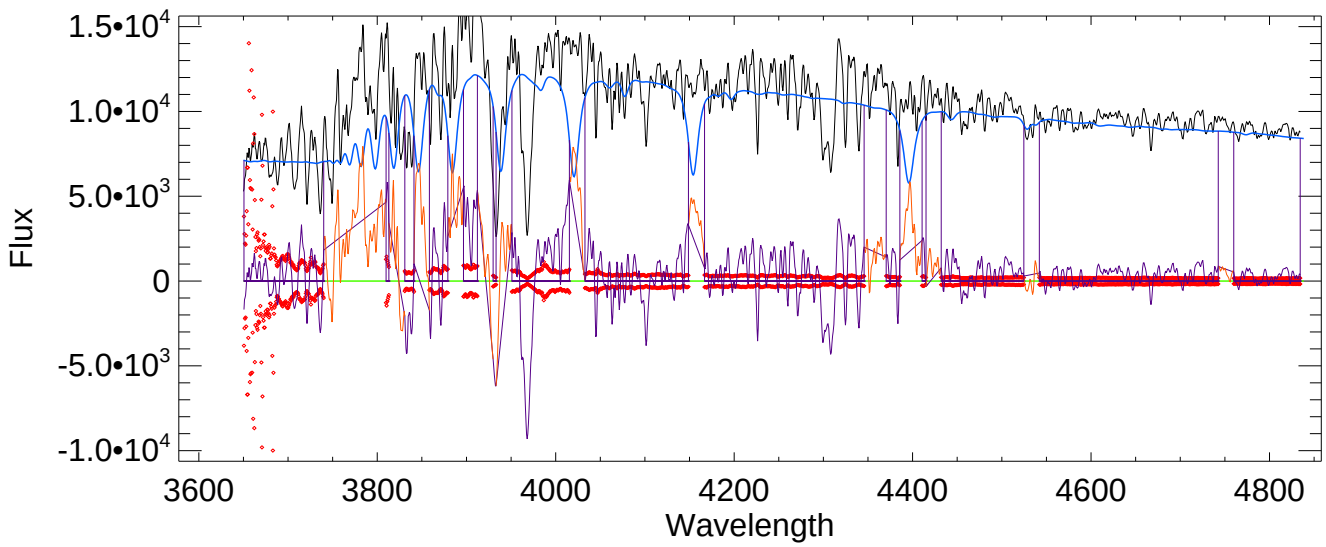

6000
4000
2000
0
-2000
-4000
Flux
3600
3800
4000
4200
4400
4600
4800
Wavelength

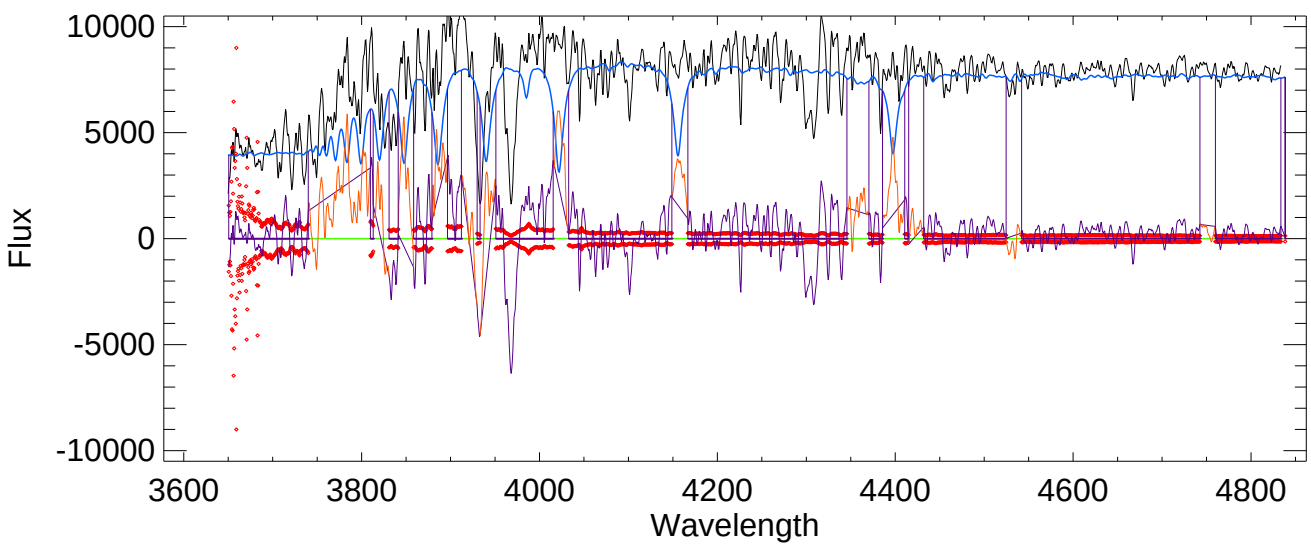

2.0•10^4
1.5•10^4
1.0•10^4
5.0•10^3
0
-5.0•10^3
-1.0•10^4
-1.5•10^4
Flux
3600
3800
4000
4200
4400
4600
4800
Wavelength

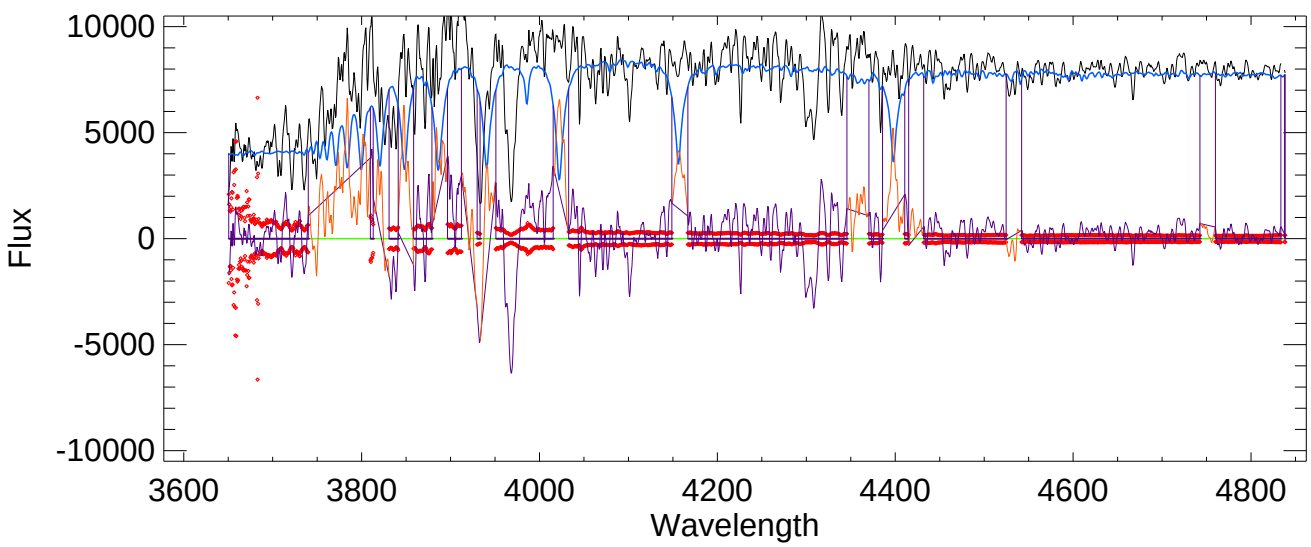

10000
5000
0
-5000
-10000
Flux
3600
3800
4000
4200
4400
4600
4800
Wavelength

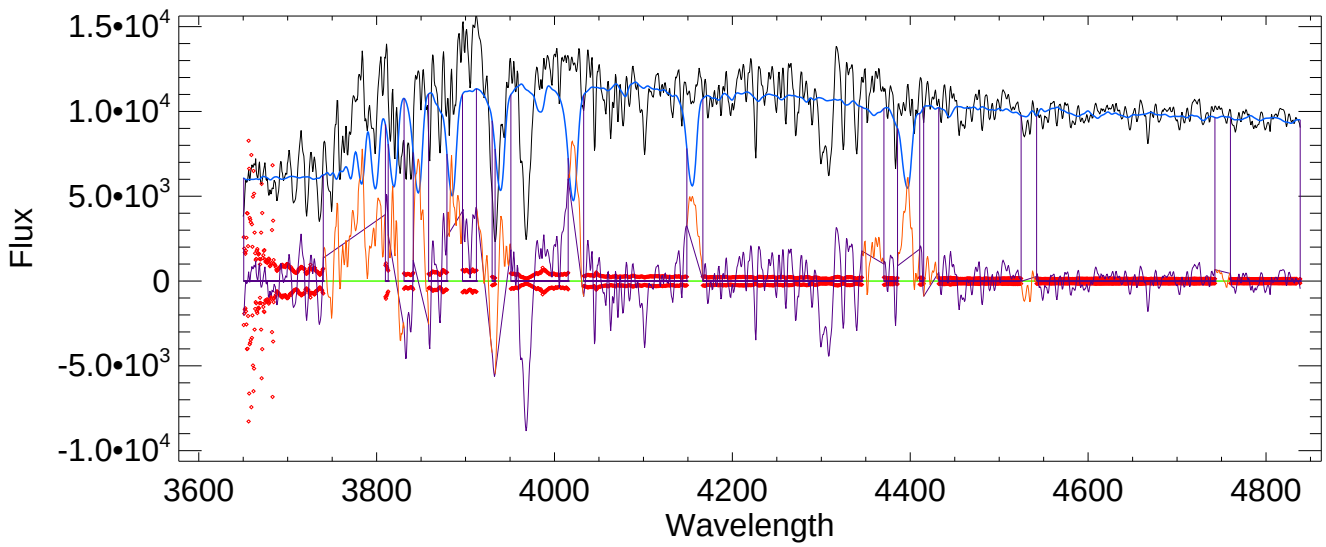

1.5•10^4
1.0•10^4
5.0•10^3
0
-5.0•10^3
-1.0•10^4
Flux
3600
3800
4000
4200
4400
4600
4800
Wavelength

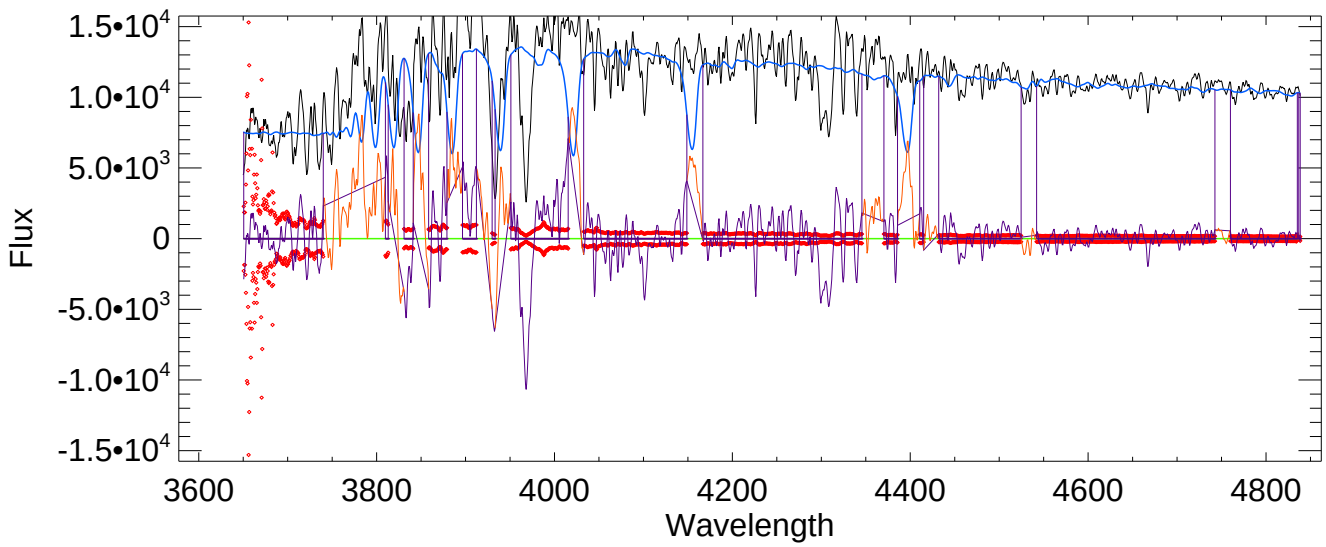

1.5•10^4
1.0•10^4
5.0•10^3
0
-5.0•10^3
-1.0•10^4
Flux
3600
3800
4000
4200
4400
4600
4800
Wavelength

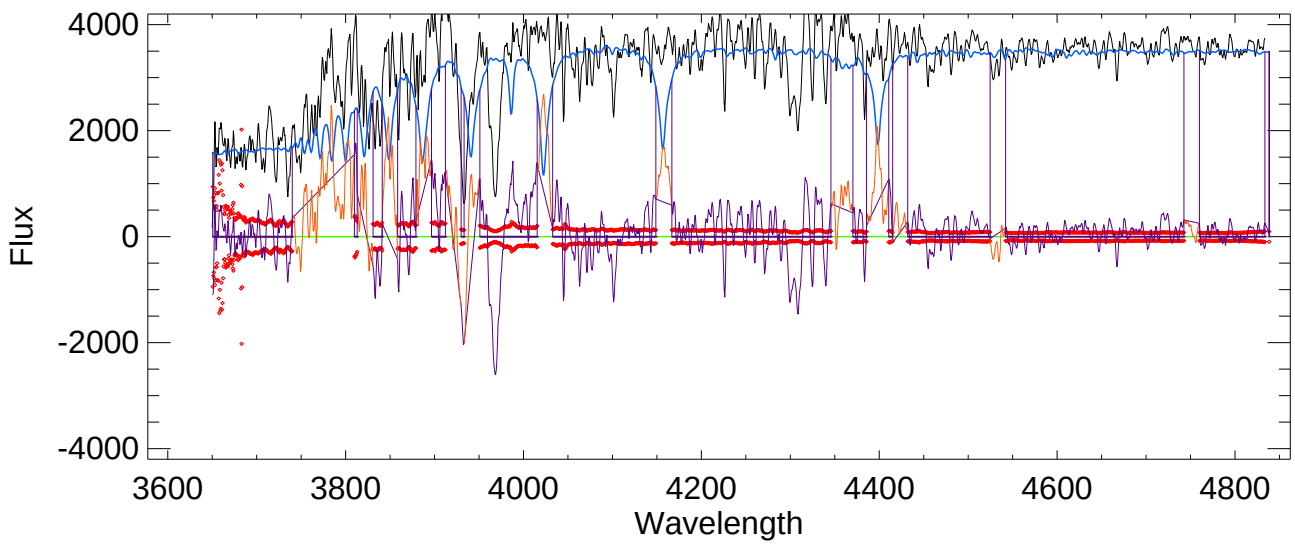

1.5•10^4
1.0•10^4
5.0•10^3
0
-5.0•10^3
-1.0•10^4
Flux
3600
3800
4000
4200
4400
4600
4800
Wavelength

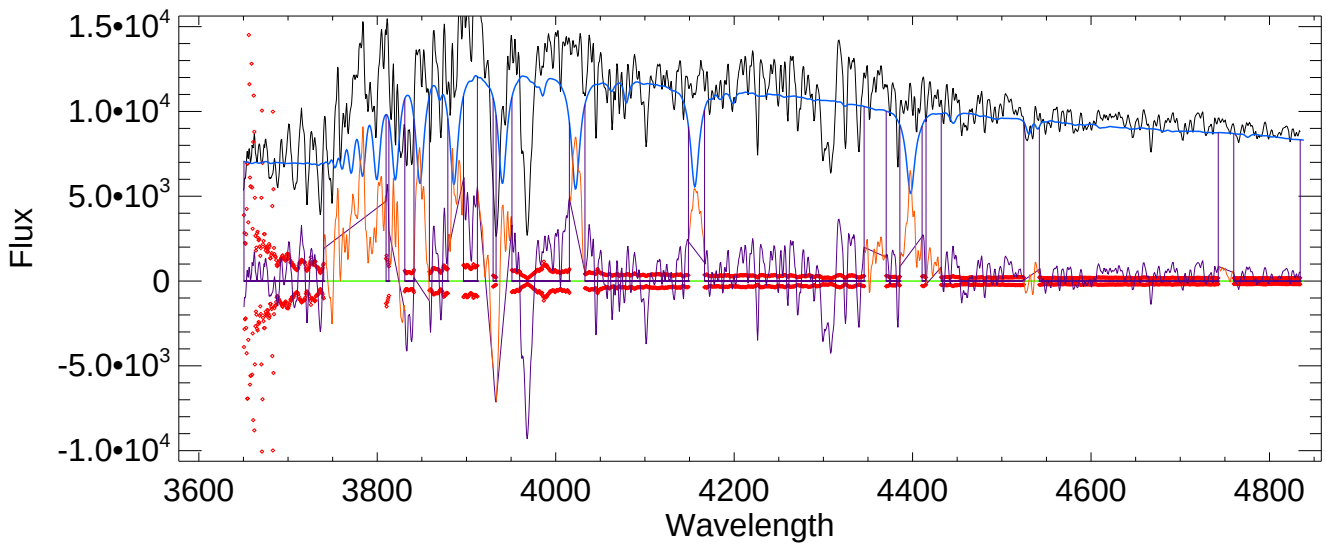

10000
5000
0
-5000
-10000
Flux
3600
3800
4000
4200
4400
4600
4800
Wavelength

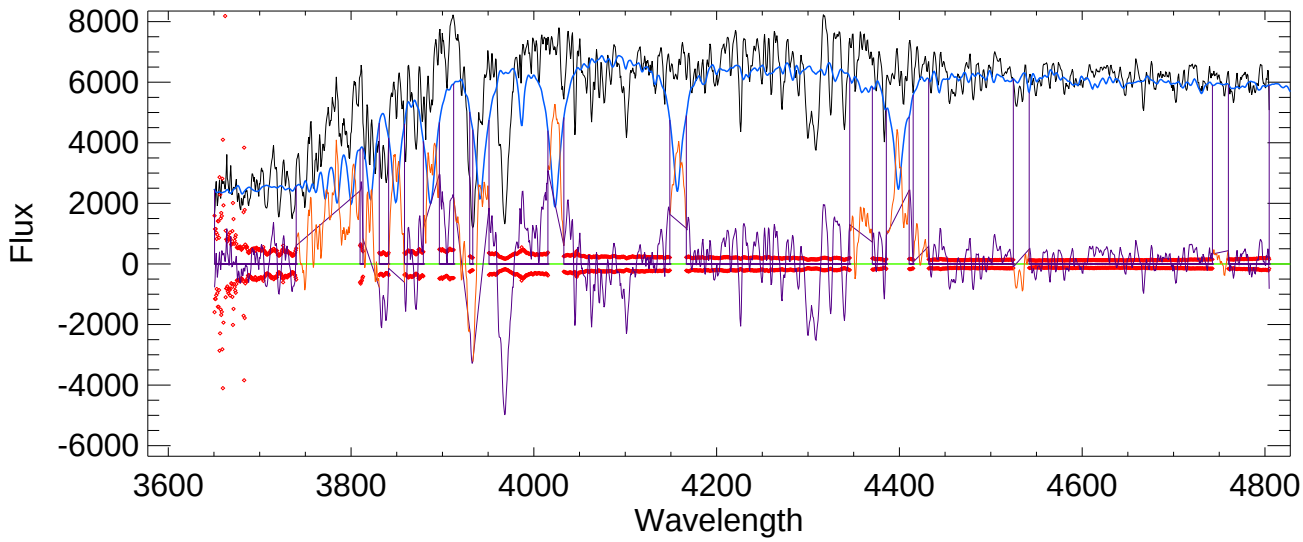

10000
5000
0
-5000
-10000
Flux
3600
3800
4000
4200
4400
4600
4800
Wavelength

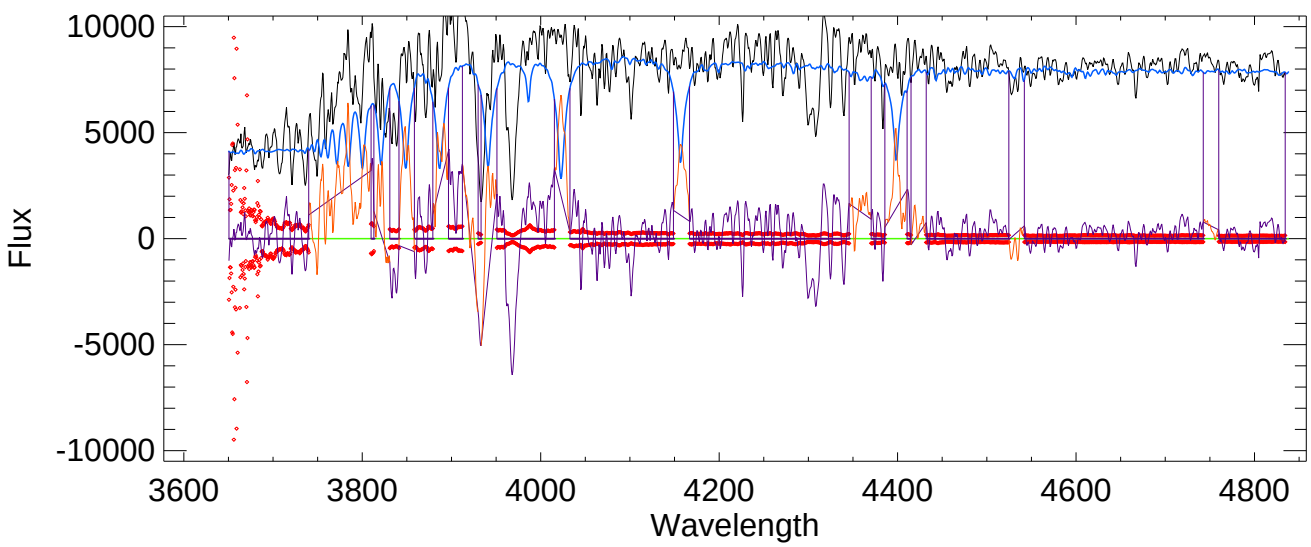

1.5•10^4
1.0•10^4
5.0•10^3
0
-5.0•10^3
-1.0•10^4
Flux
3600
3800
4000
4200
4400
4600
4800
Wavelength

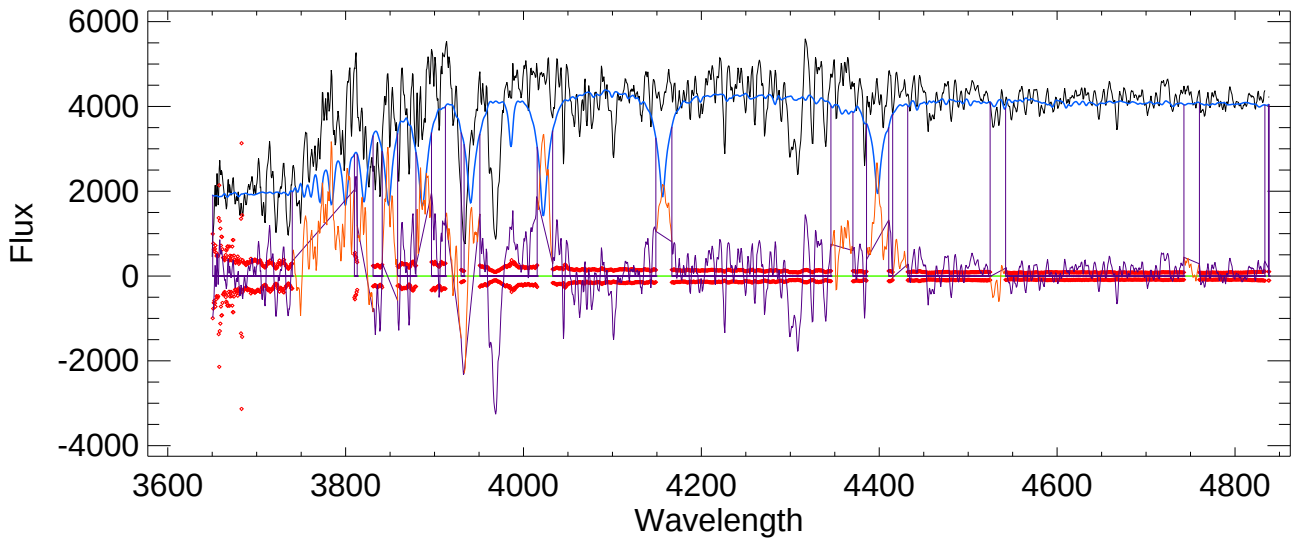

1.5•10^4
1.0•10^4
5.0•10^3
0
-5.0•10^3
-1.0•10^4
-1.5•10^4
Flux
3600
3800
4000
4200
4400
4600
4800
Wavelength

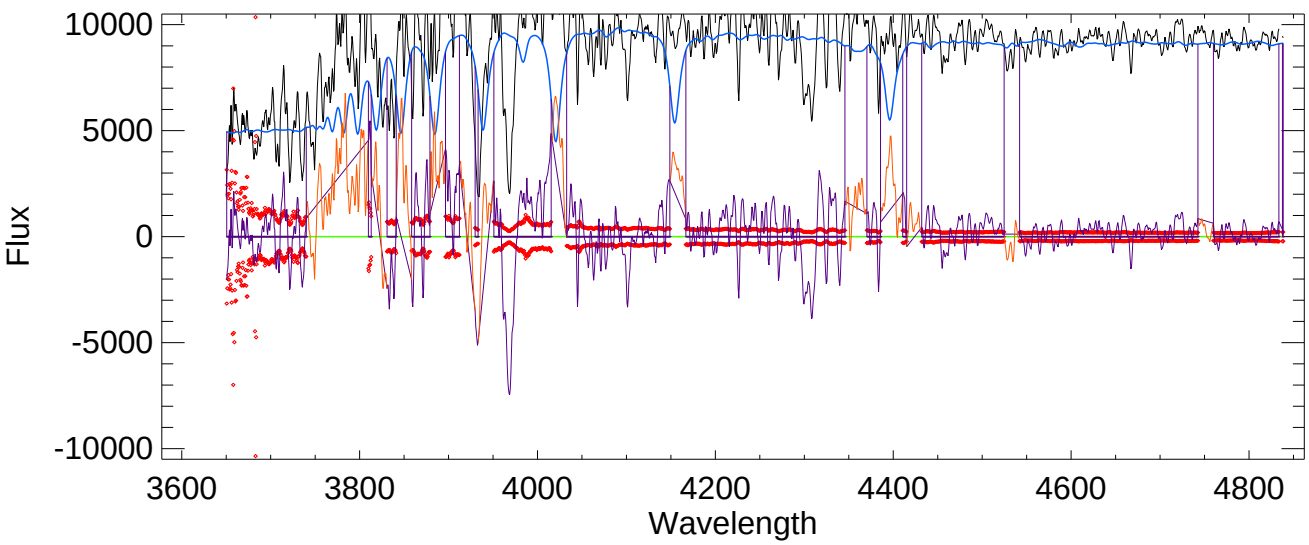

4000
2000
0
-2000
-4000
Flux
3600
3800
4000
4200
4400
4600
4800
Wavelength

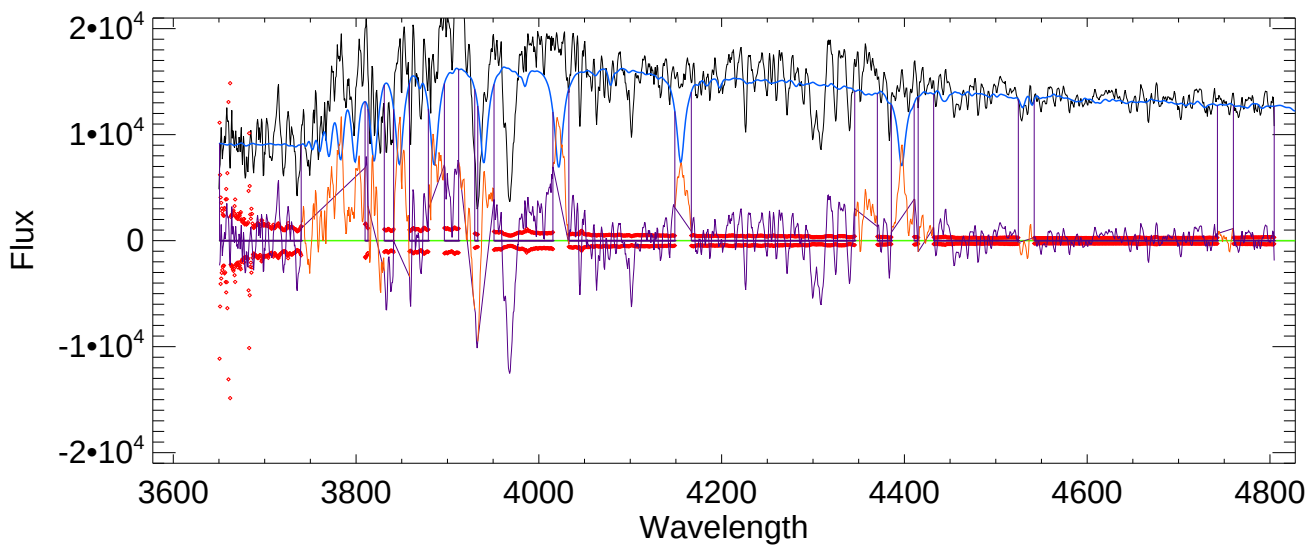

1.5•10^4
1.0•10^4
5.0•10^3
0
-5.0•10^3
-1.0•10^4
Flux
3600
3800
4000
4200
4400
4600
4800
Wavelength

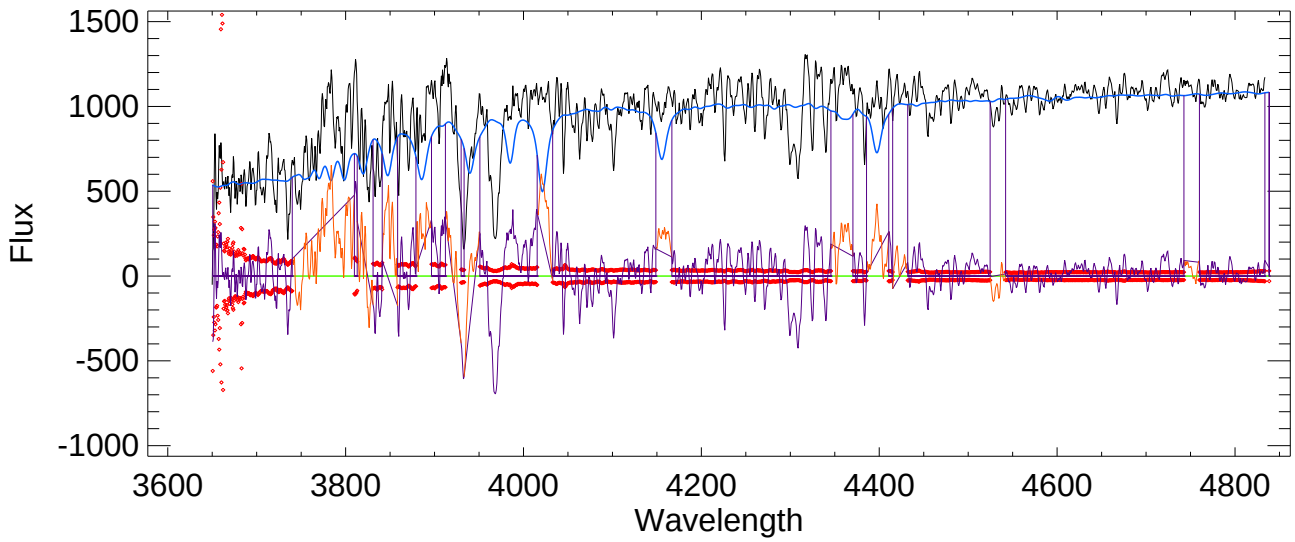

8000
6000
4000
2000
0
-2000
-4000
-6000
Flux
3600
3800
4000
4200
4400
4600
4800
Wavelength

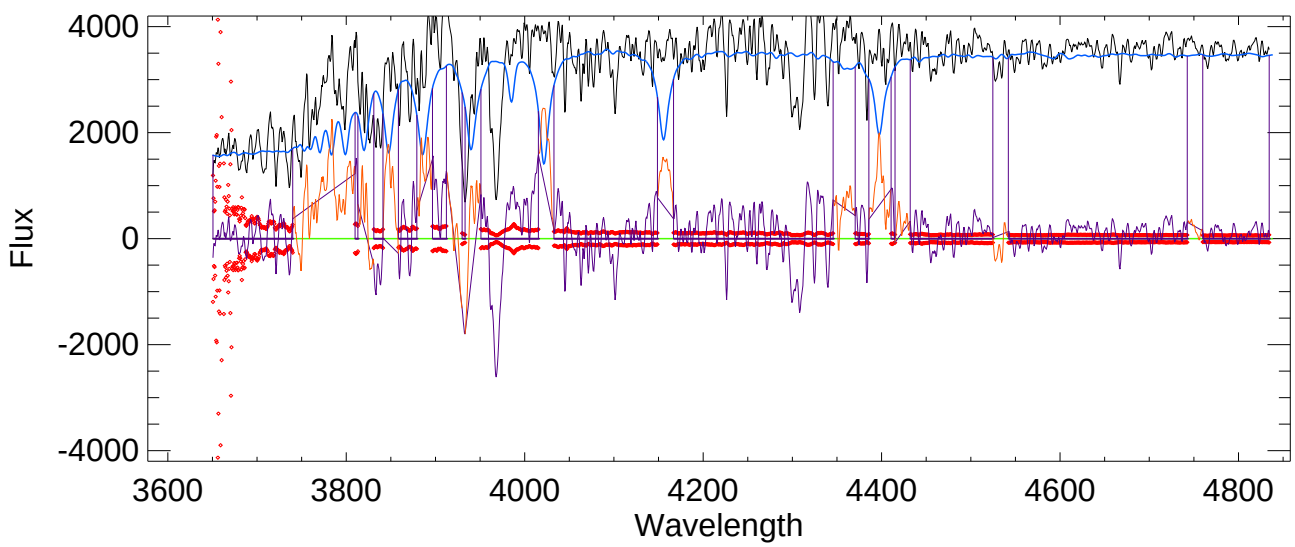

10000
5000
0
-5000
-10000
Flux
3600
3800
4000
4200
4400
4600
4800
Wavelength

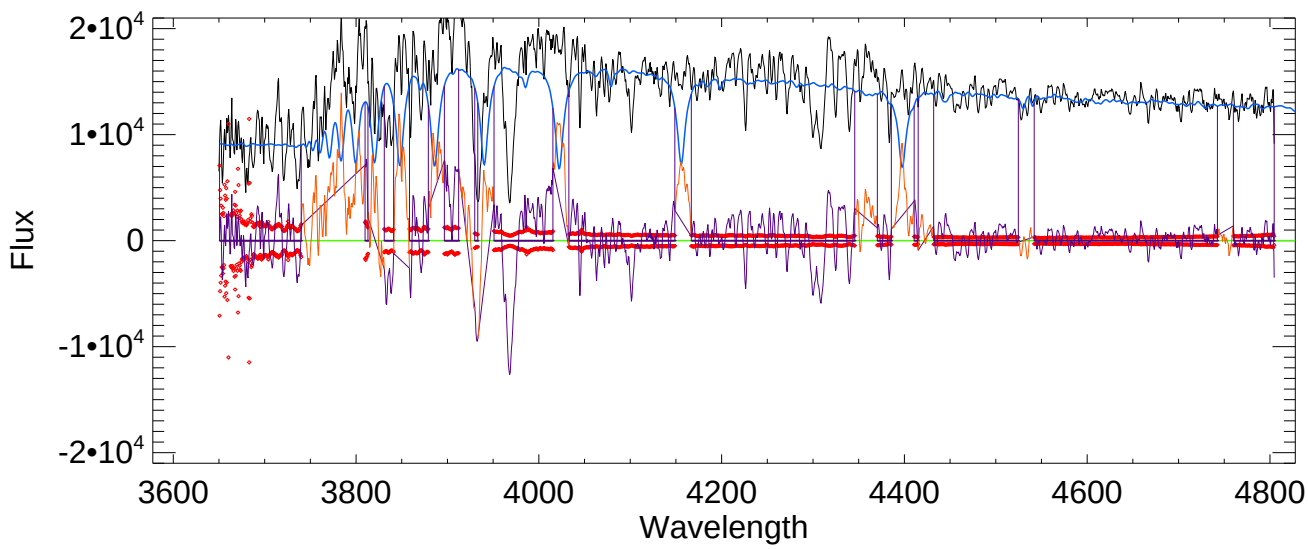

6000
4000
2000
0
-2000
-4000
Flux
3600
3800
4000
4200
4400
4600
4800
Wavelength

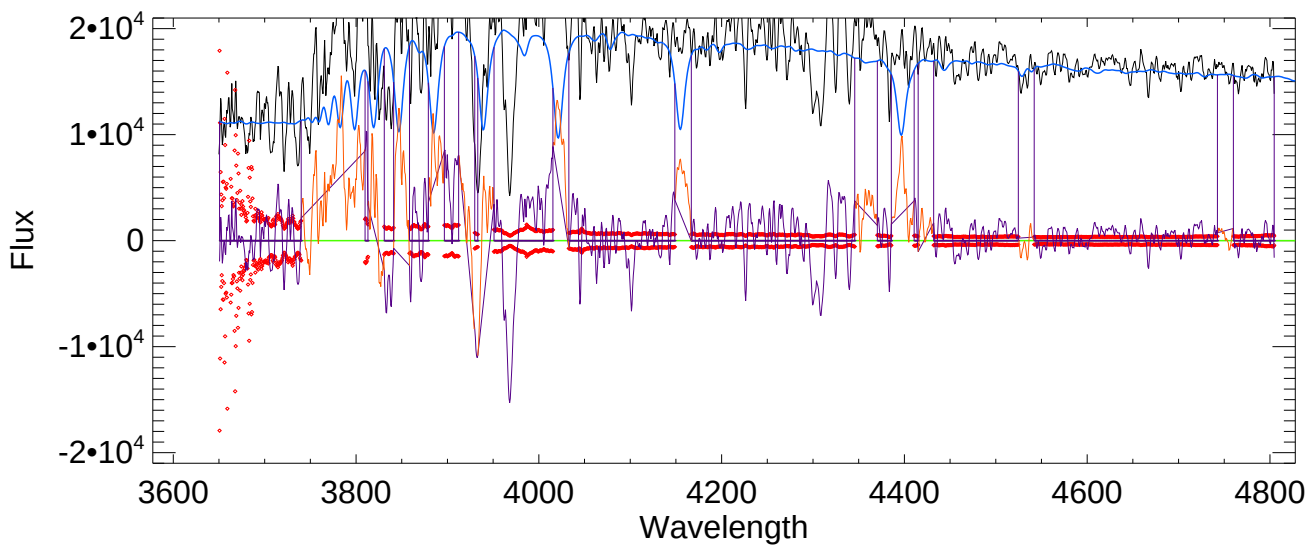

10000
5000
0
-5000
-10000
Flux
3600
3800
4000
4200
4400
4600
4800
Wavelength

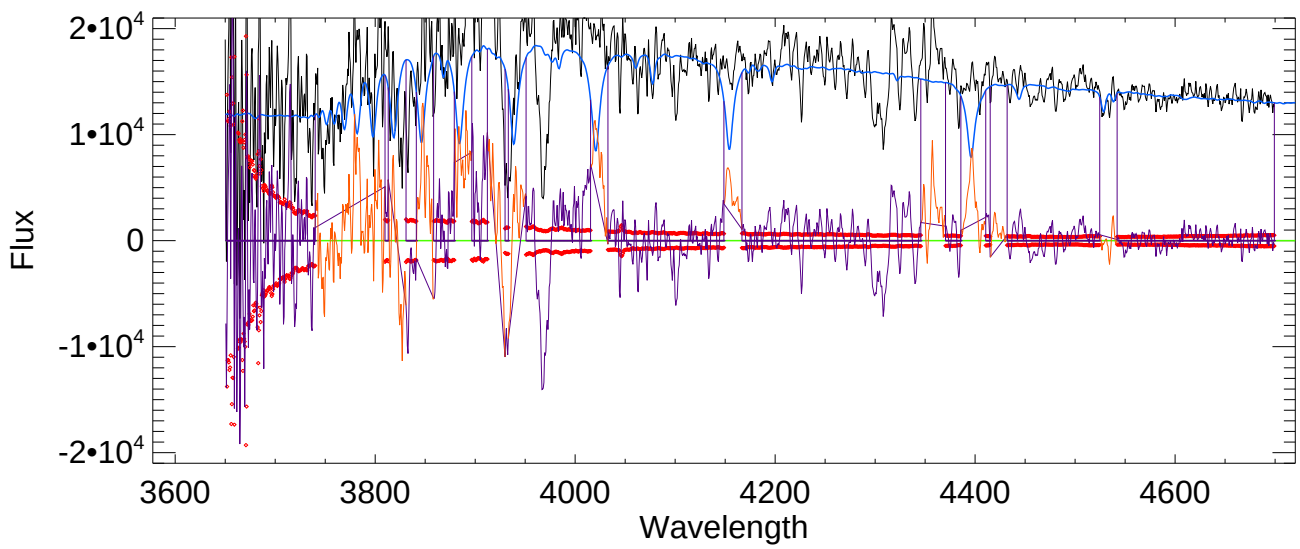

2•10^4
1•10^4
0
-1•10^4
-2•10^4
Flux
3600
3800
4000
4200
4400
4600
4800
Wavelength

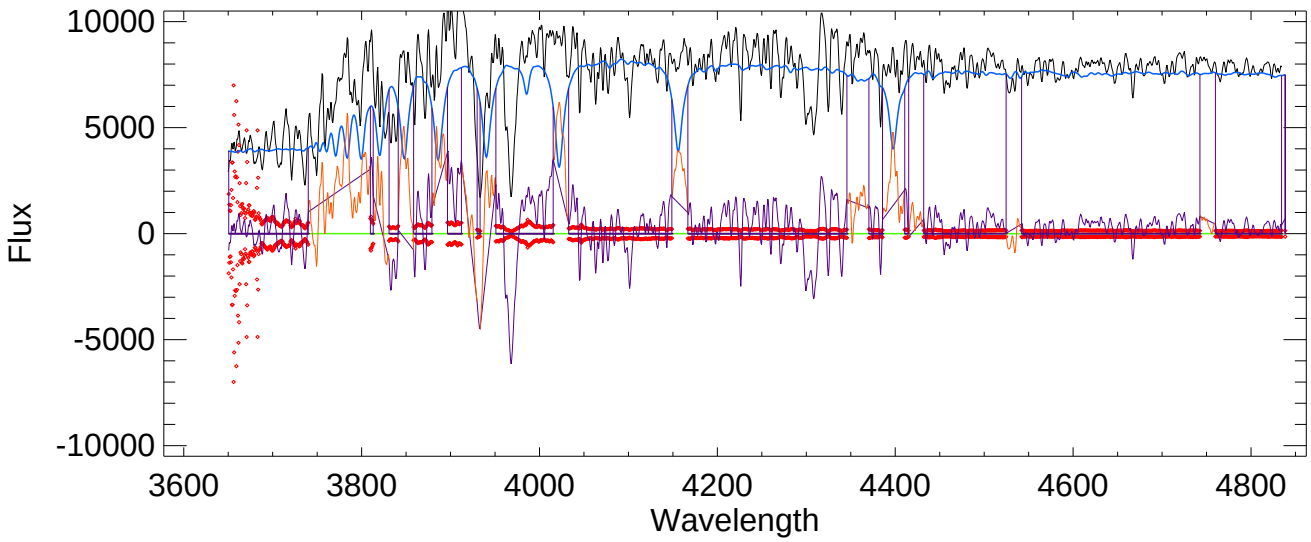

1500
1000
500
0
-500
-1000
Flux
3600
3800
4000
4200
4400
4600
4800
Wavelength

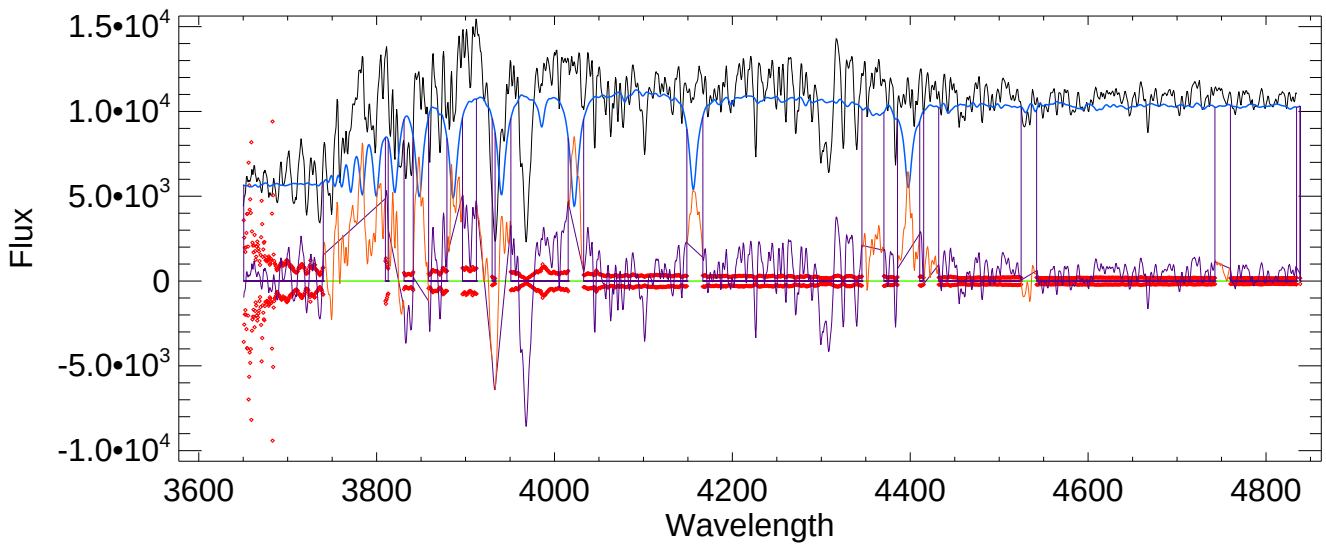

4000
2000
0
-2000
-4000
Flux
3600
3800
4000
4200
4400
4600
4800
Wavelength

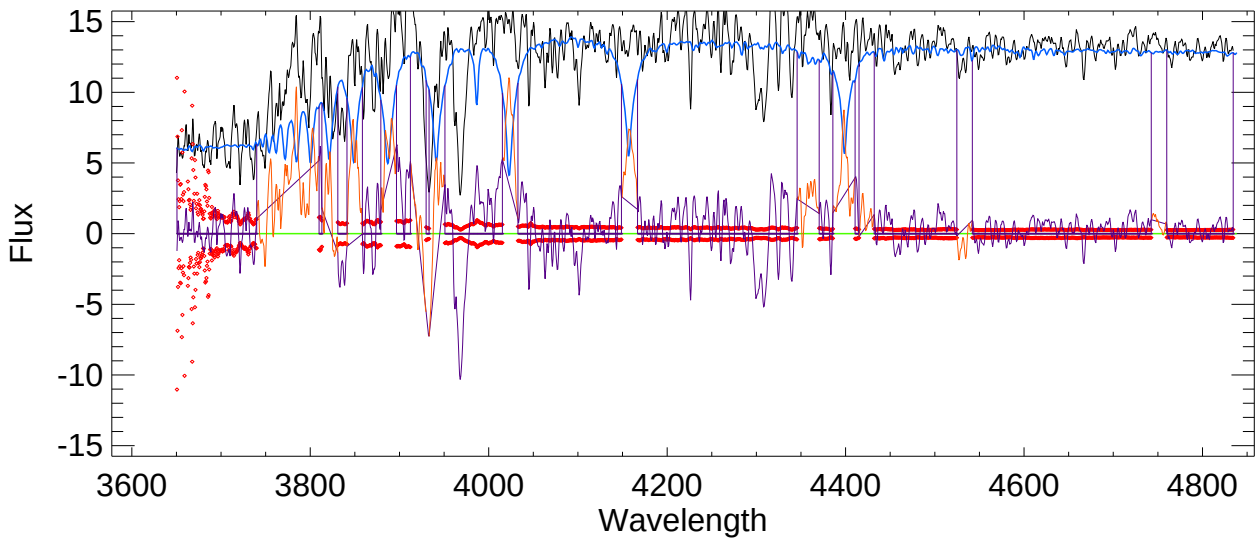

2•10^4
1•10^4
0
-1•10^4
-2•10^4
Flux
3600
3800
4000
4200
4400
4600
4800
Wavelength

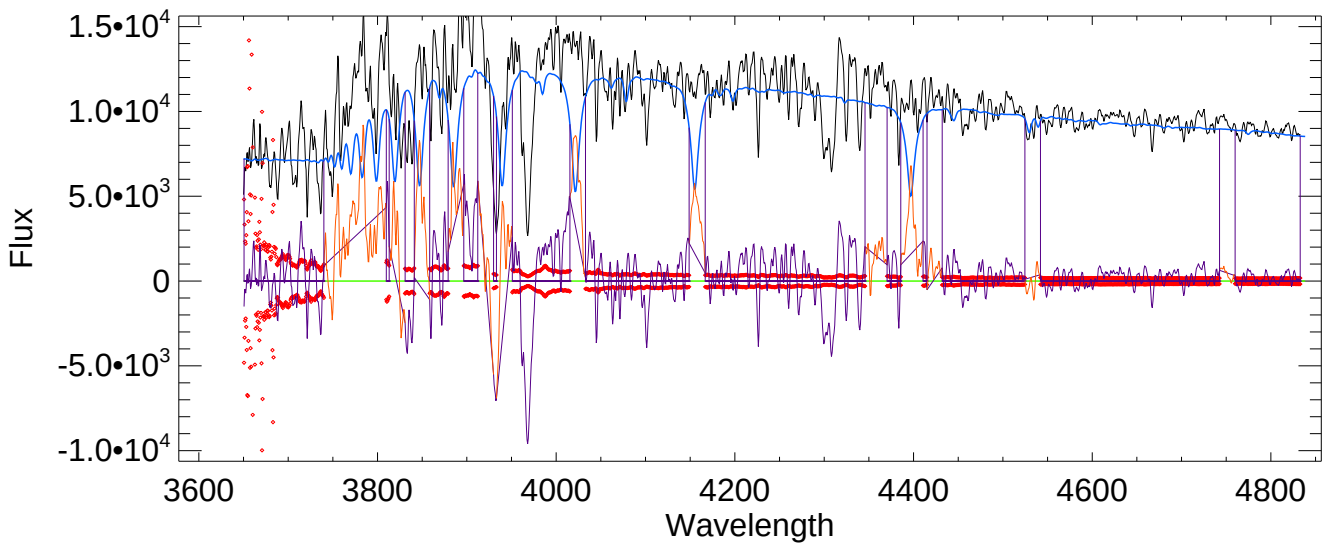

2•10^4
1•10^4
0
-1•10^4
-2•10^4
Flux
3600
3800
4000
4200
4400
4600
4800
Wavelength

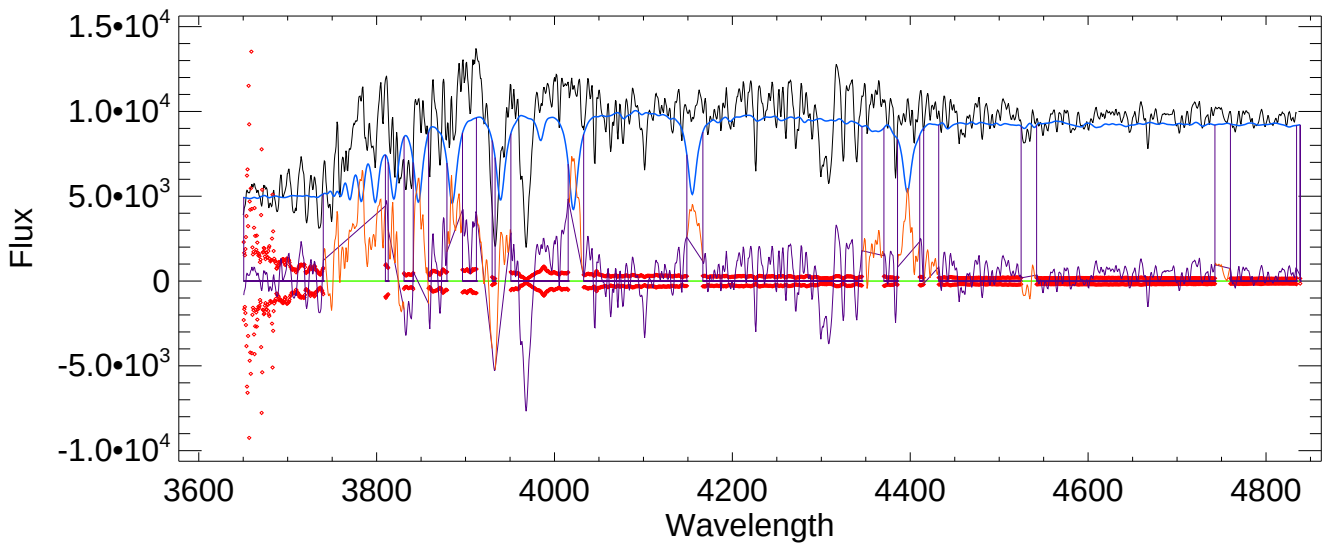

2•10^4
1•10^4
0
-1•10^4
-2•10^4
Flux
3600
3800
4000
4200
4400
4600
Wavelength

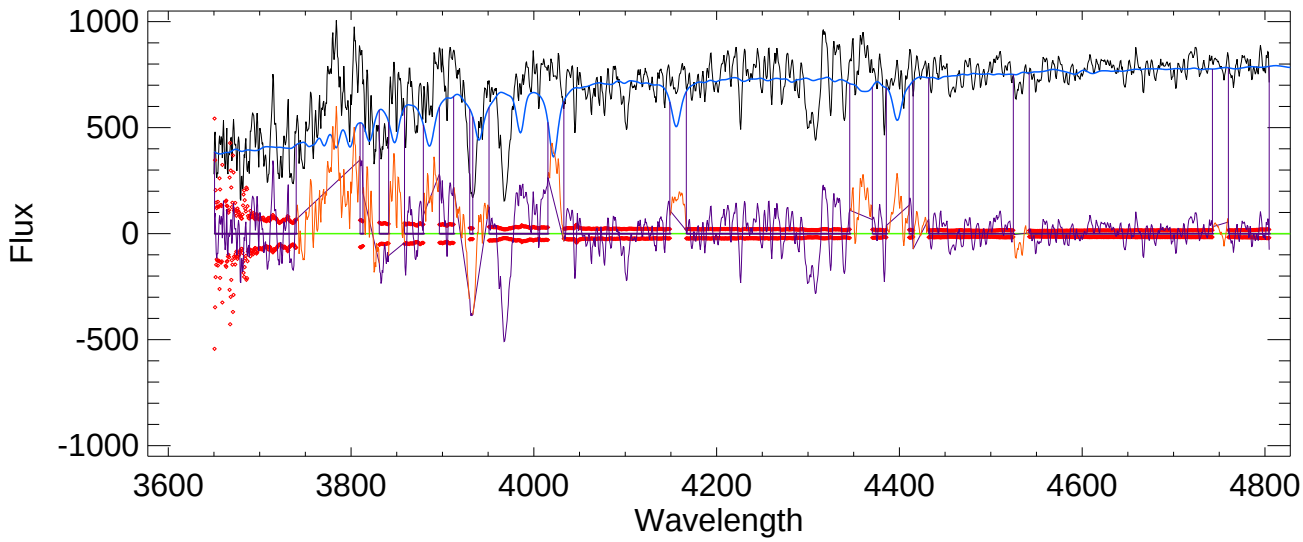

10000
5000
0
-5000
-10000
Flux
3600
3800
4000
4200
4400
4600
4800
Wavelength

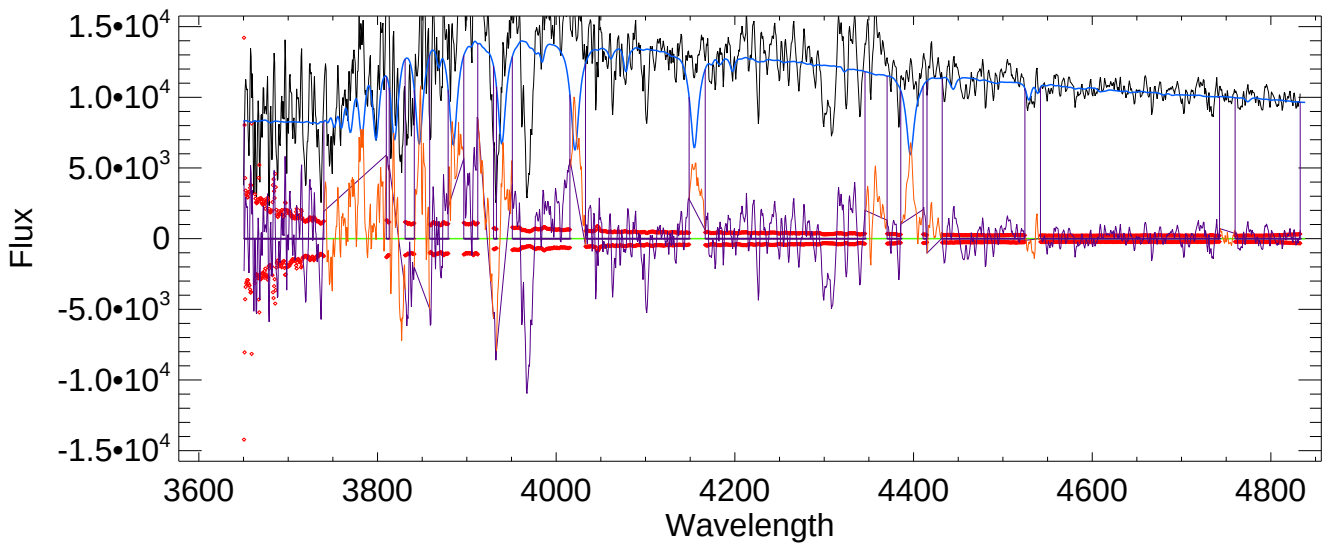

1.5•10^4
1.0•10^4
5.0•10^3
0
-5.0•10^3
-1.0•10^4
Flux
3600
3800
4000
4200
4400
4600
4800
Wavelength

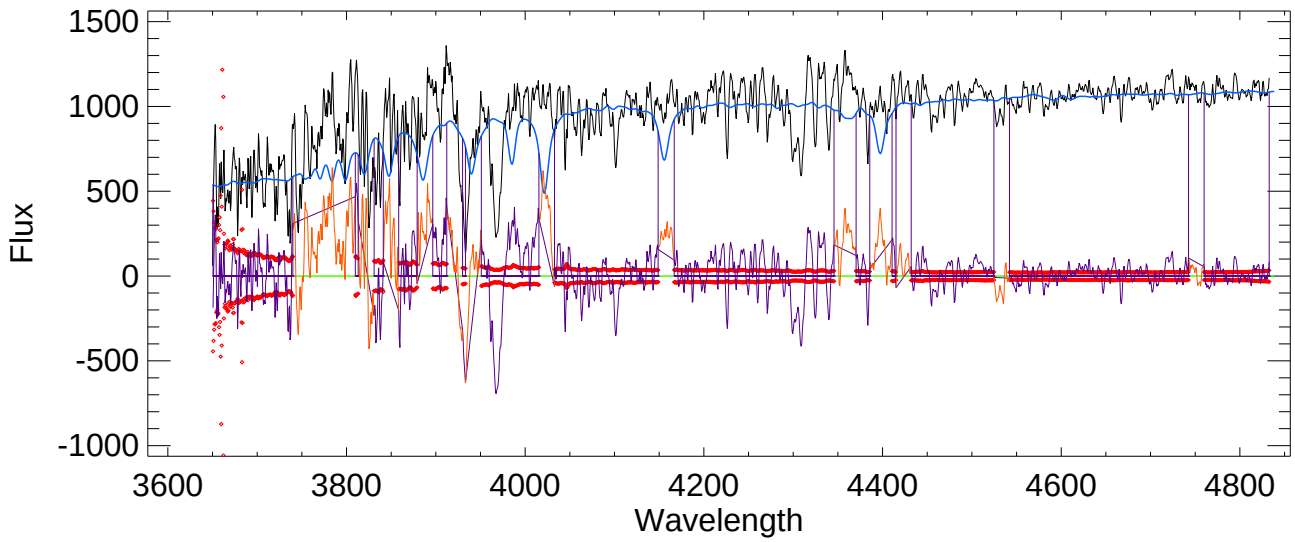

15
10
5
0
-5
-10
-15
Flux
3600
3800
4000
4200
4400
4600
4800
Wavelength

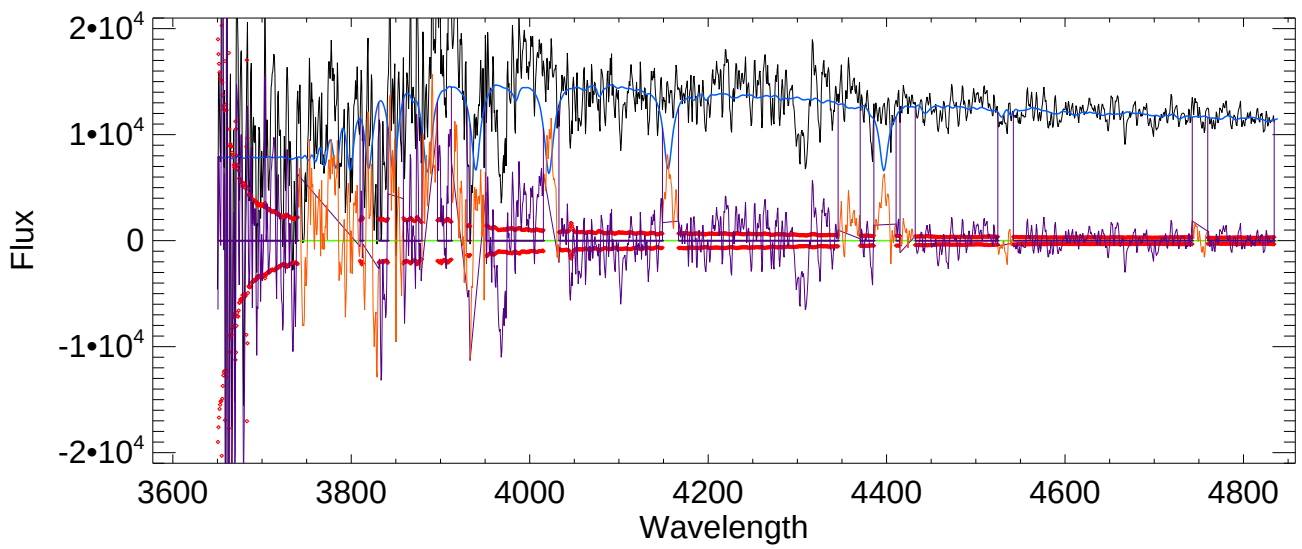

1.5•10^4
1.0•10^4
5.0•10^3
0
-5.0•10^3
-1.0•10^4
Flux
3600
3800
4000
4200
4400
4600
4800
Wavelength

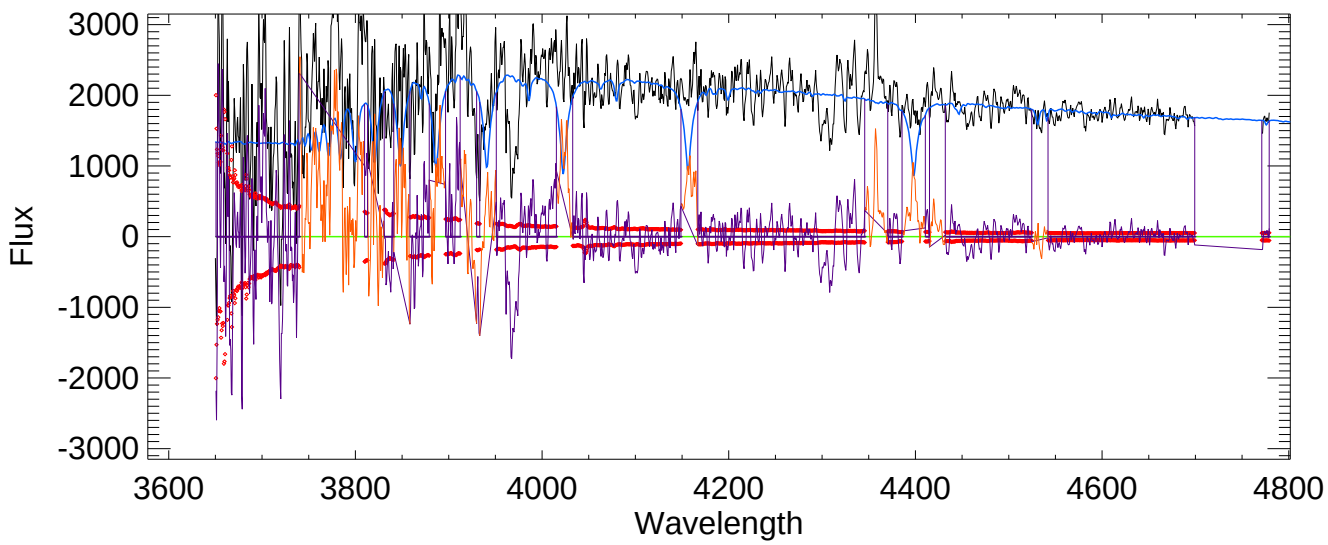

1.5•10^4
1.0•10^4
5.0•10^3
0
-5.0•10^3
-1.0•10^4
Flux
3600
3800
4000
4200
4400
4600
4800
Wavelength

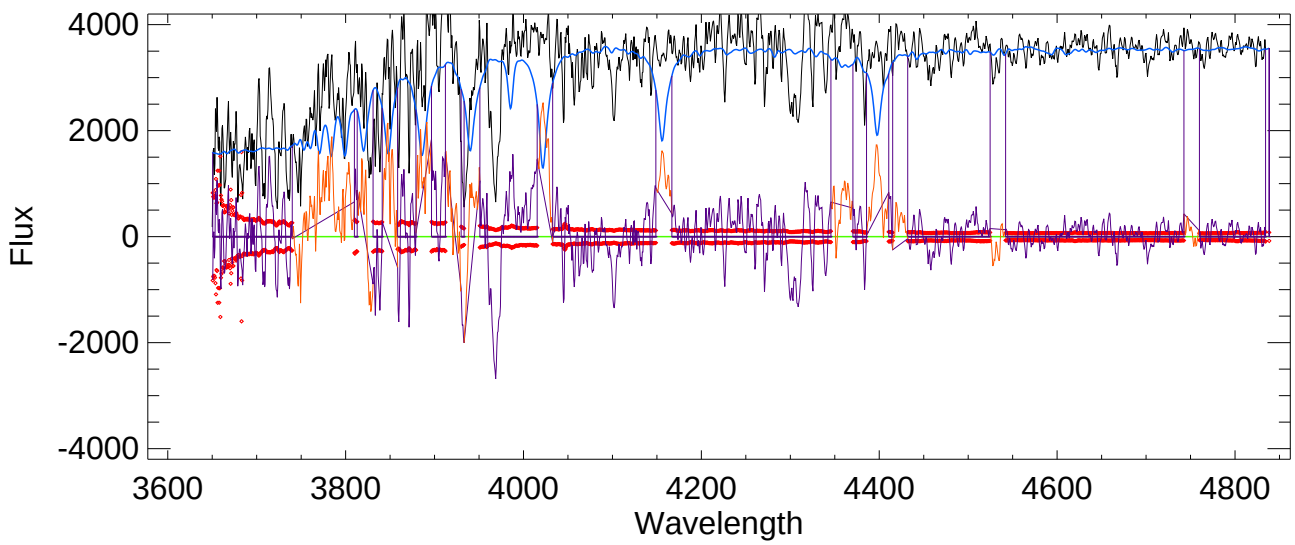

1000
500
0
-500
-1000
Flux
3600
3800
4000
4200
4400
4600
4800
Wavelength

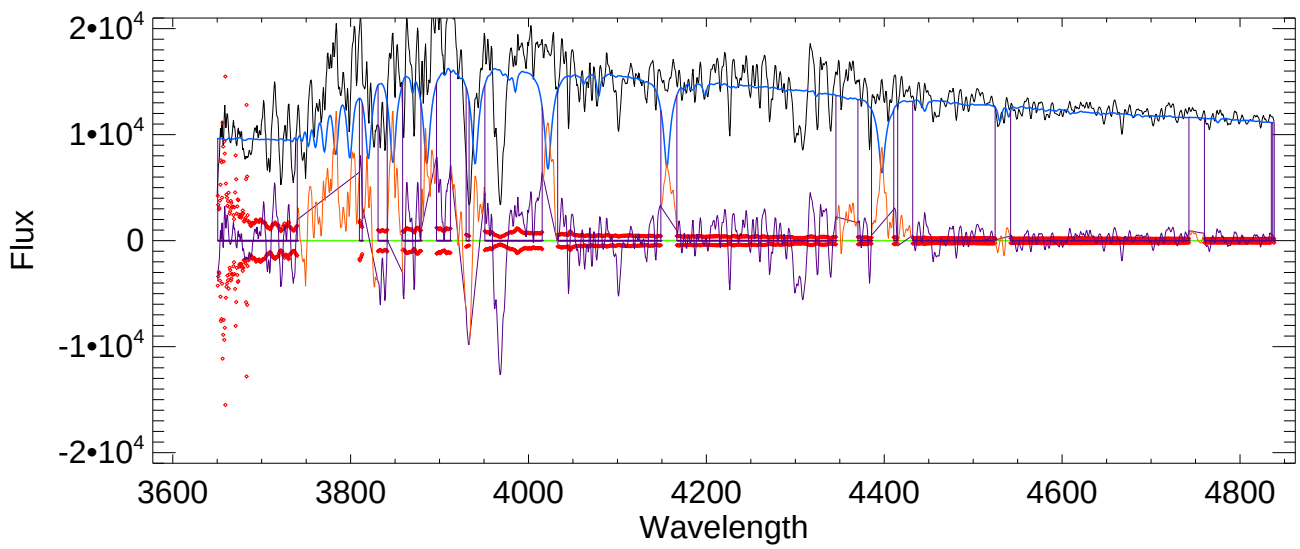

1.5•10^4
1.0•10^4
5.0•10^3
0
-5.0•10^3
-1.0•10^4
-1.5•10^4
Flux
3600
3800
4000
4200
4400
4600
4800
Wavelength

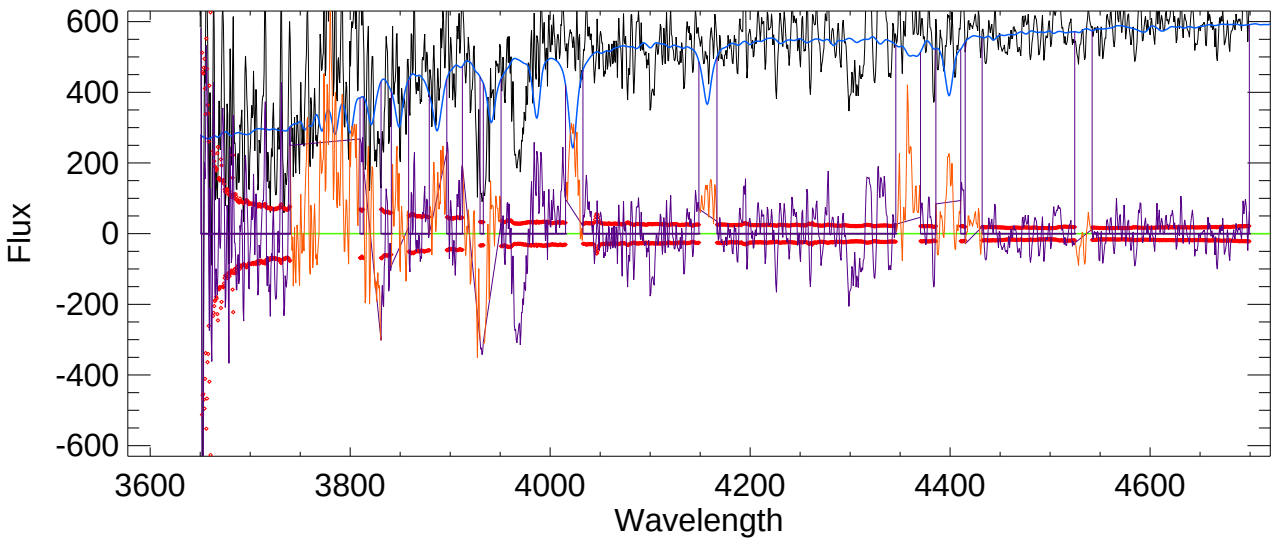

1500
1000
500
0
-500
-1000
Flux
3600
3800
4000
4200
4400
4600
4800
Wavelength

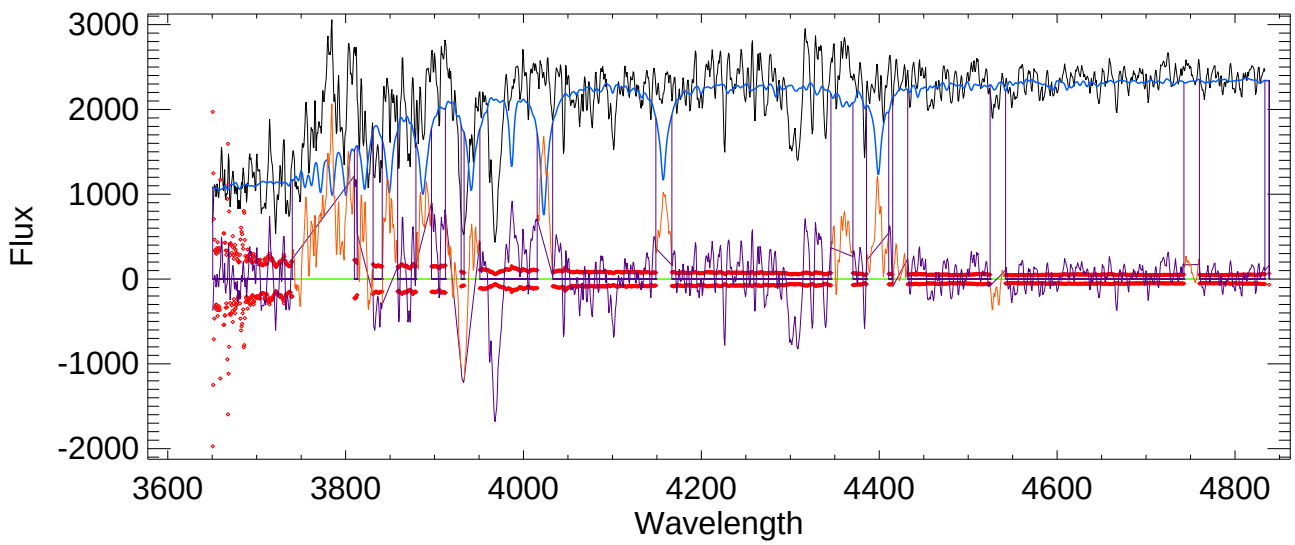

2•10^4
1•10^4
0
-1•10^4
-2•10^4
Flux
3600
3800
4000
4200
4400
4600
4800
Wavelength

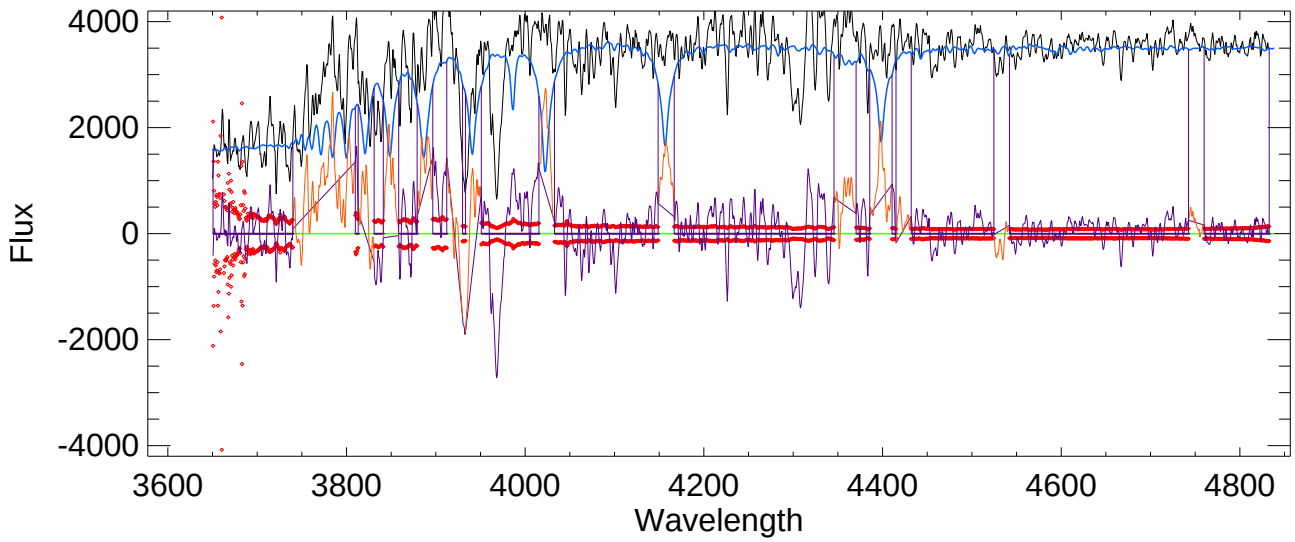

3000
2000
1000
0
-1000
-2000
-3000
Flux
3600
3800
4000
4200
4400
4600
4800
Wavelength

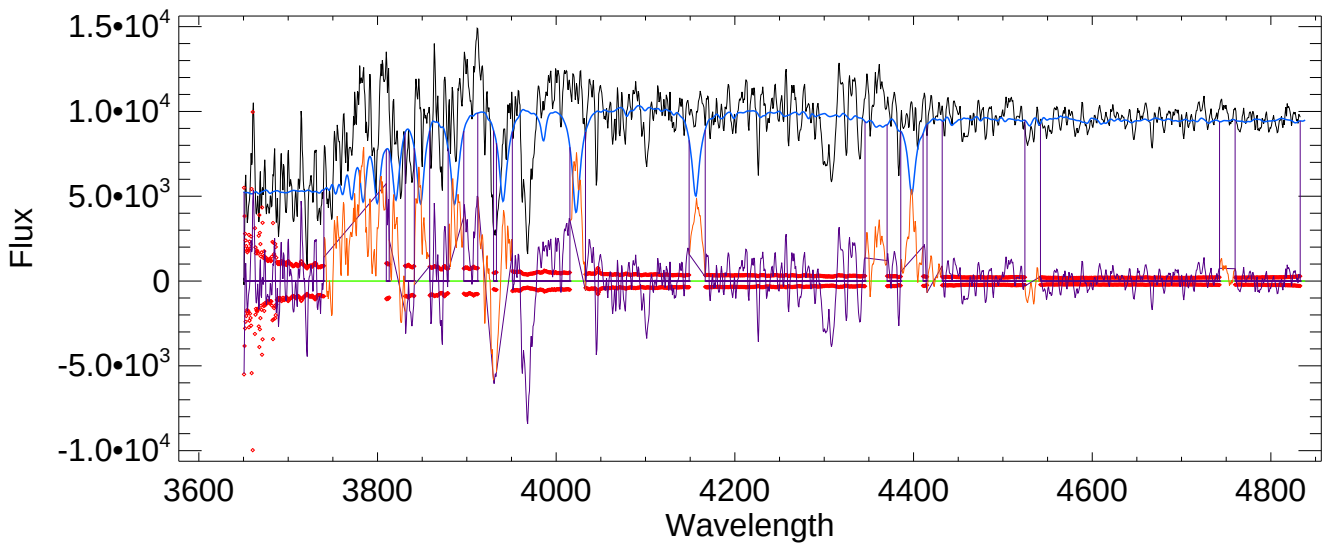

4000
2000
0
-2000
-4000
Flux
3600
3800
4000
4200
4400
4600
4800
Wavelength

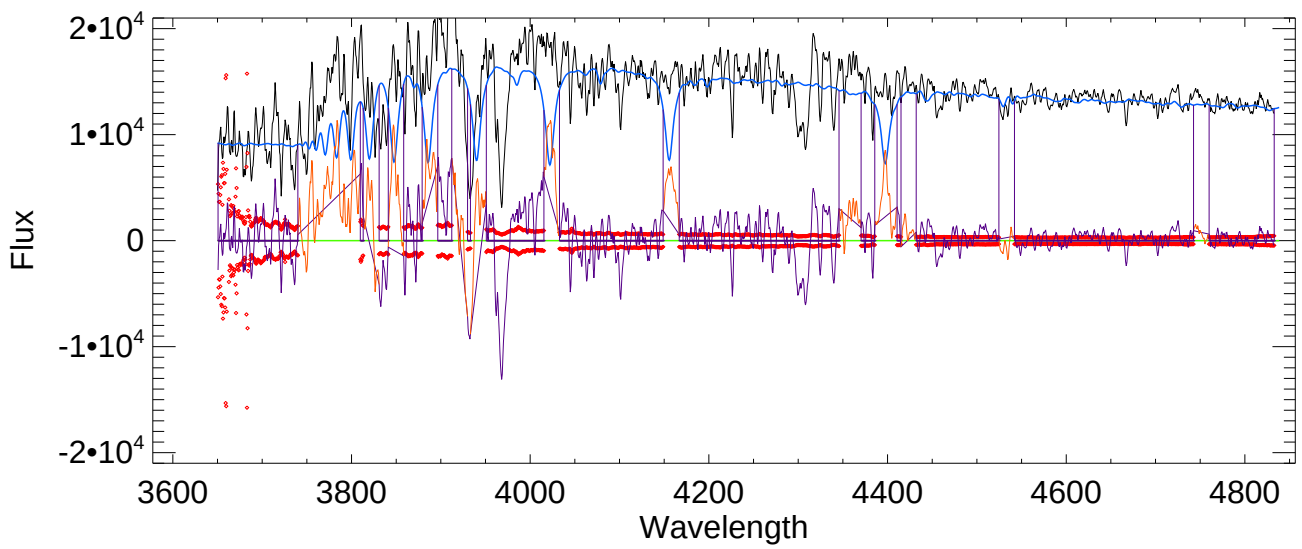

2•10^4
1•10^4
0
-1•10^4
-2•10^4
Flux
3600
3800
4000
4200
4400
4600
4800
Wavelength

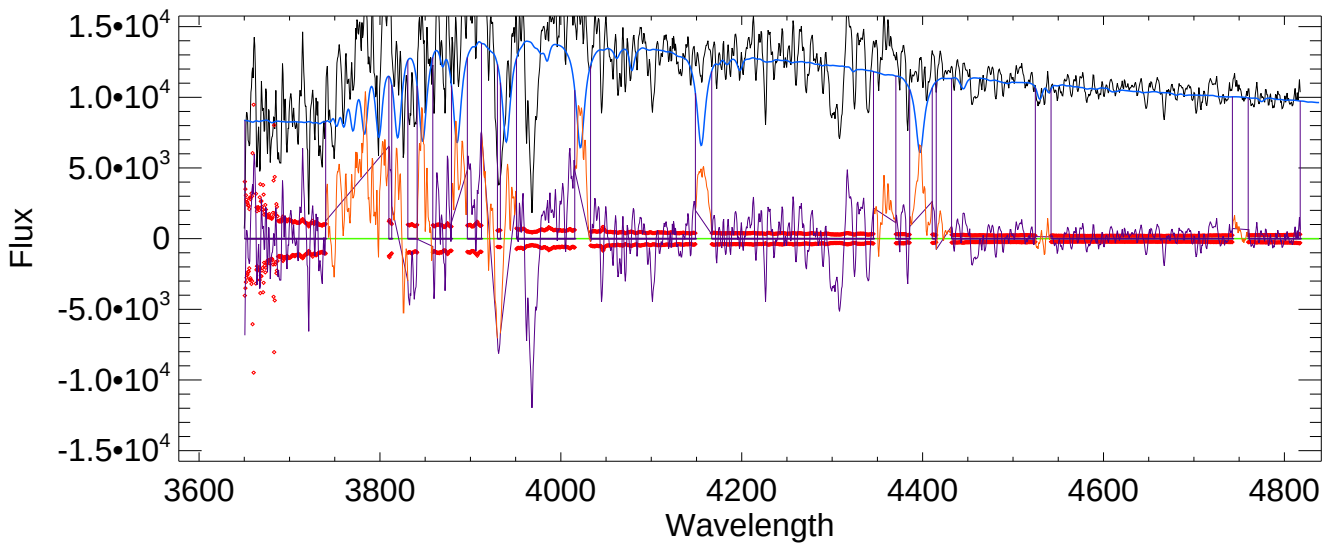

600
400
200
0
-200
-400
-600
Flux
3600
3800
4000
4200
4400
4600
Wavelength

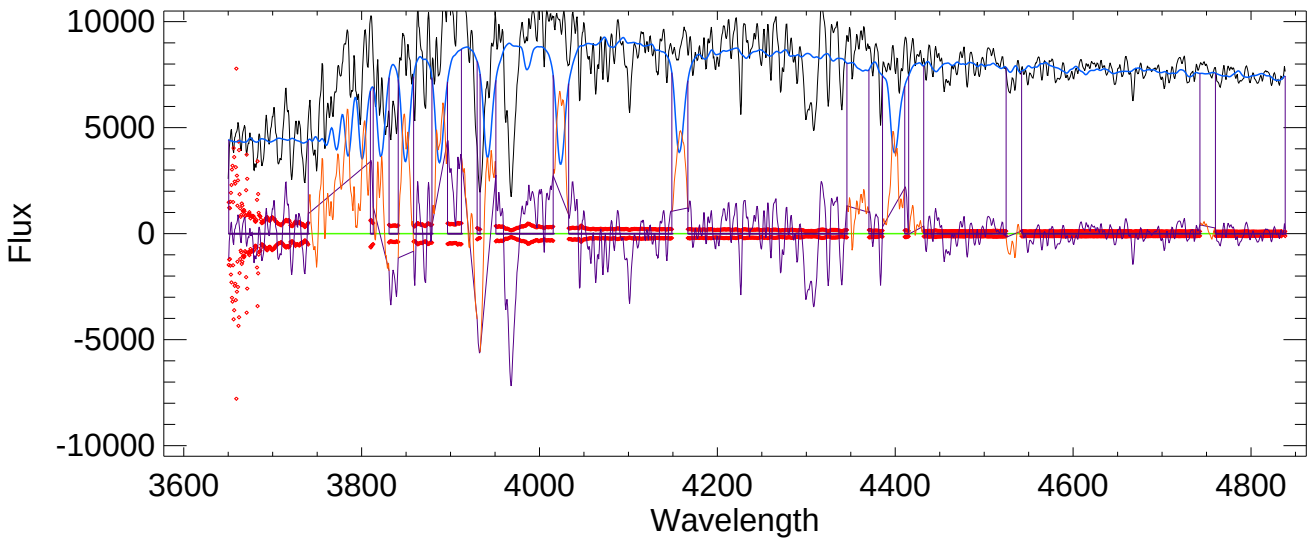

3000
2000
1000
0
-1000
-2000
Flux
3600
3800
4000
4200
4400
4600
4800
Wavelength

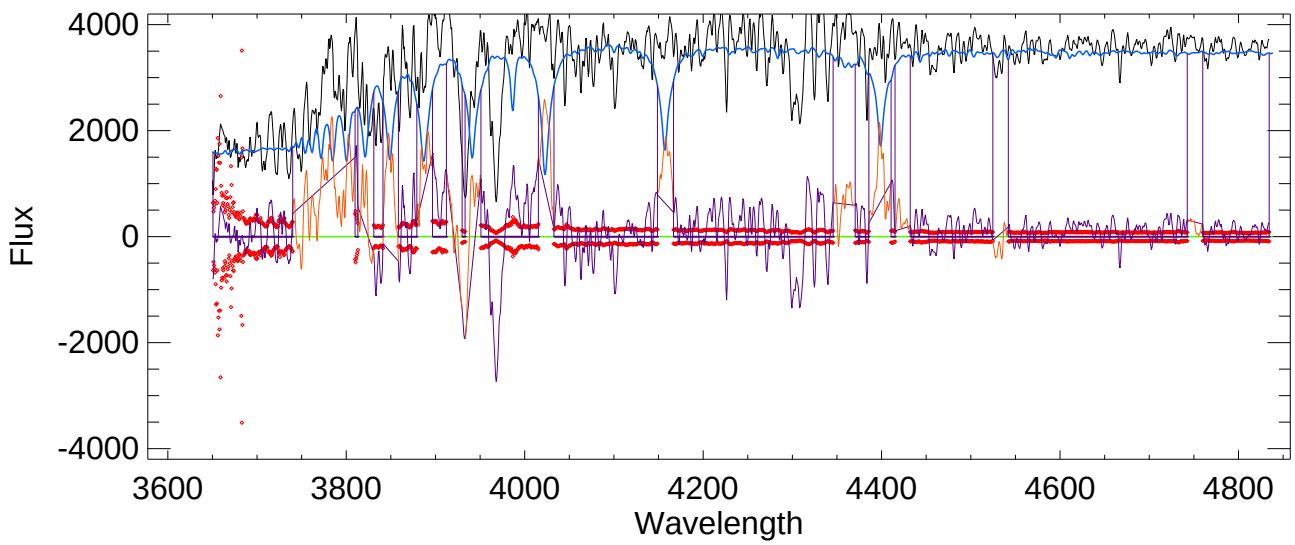

4000
2000
0
-2000
-4000
Flux
3600
3800
4000
4200
4400
4600
4800
Wavelength

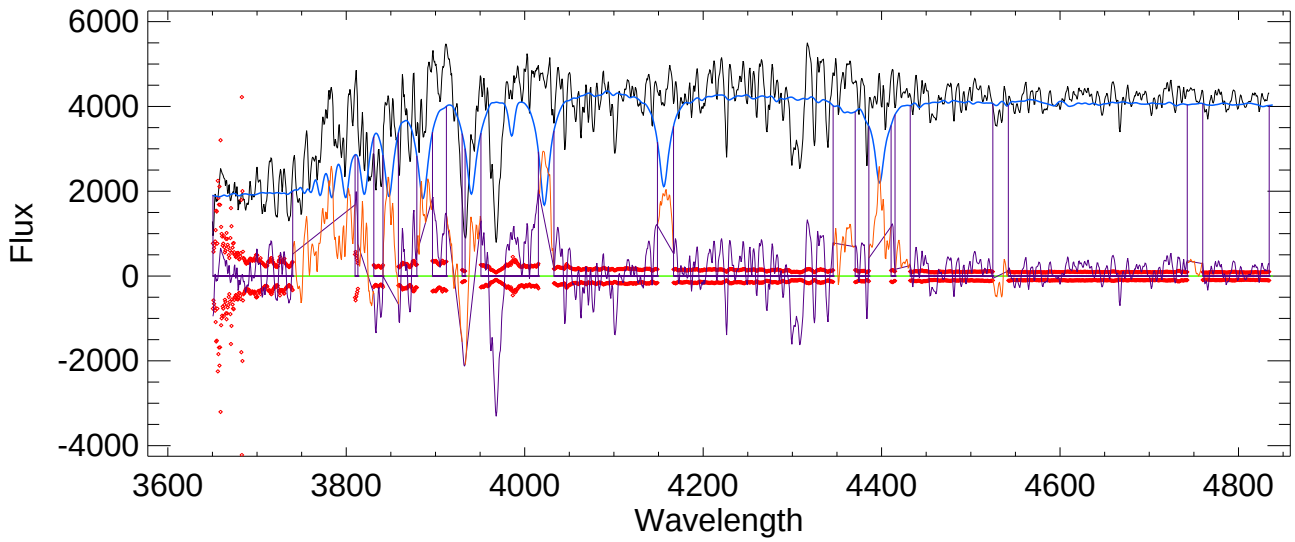

1.5•10^4
1.0•10^4
5.0•10^3
0
-5.0•10^3
-1.0•10^4
Flux
3600
3800
4000
4200
4400
4600
4800
Wavelength

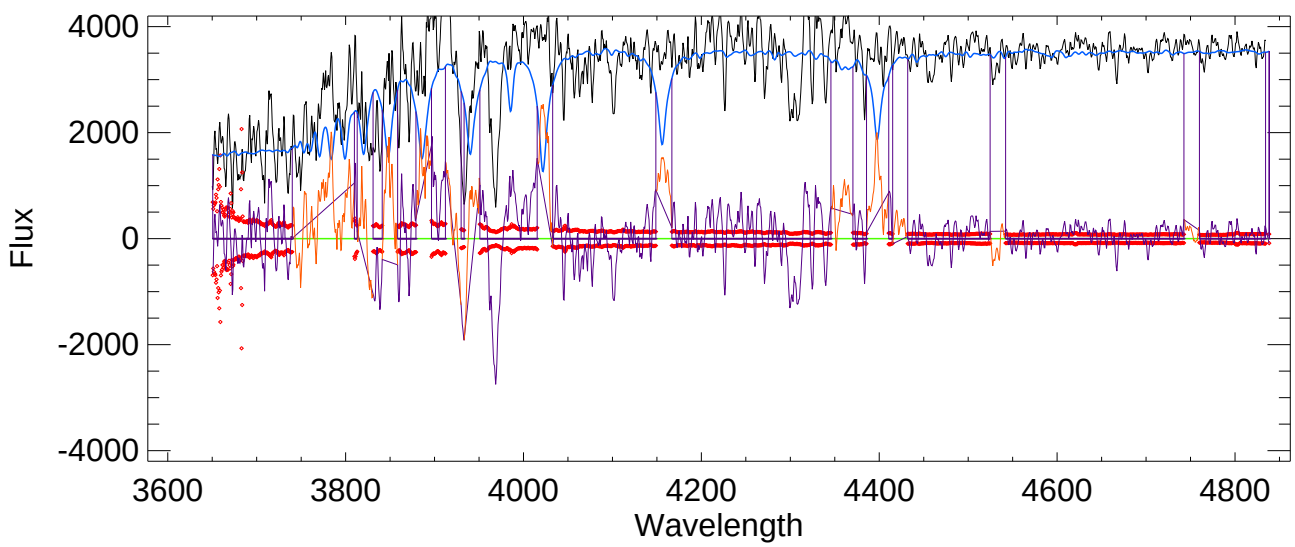

2•10^4
1•10^4
0
-1•10^4
-2•10^4
Flux
3600
3800
4000
4200
4400
4600
4800
Wavelength

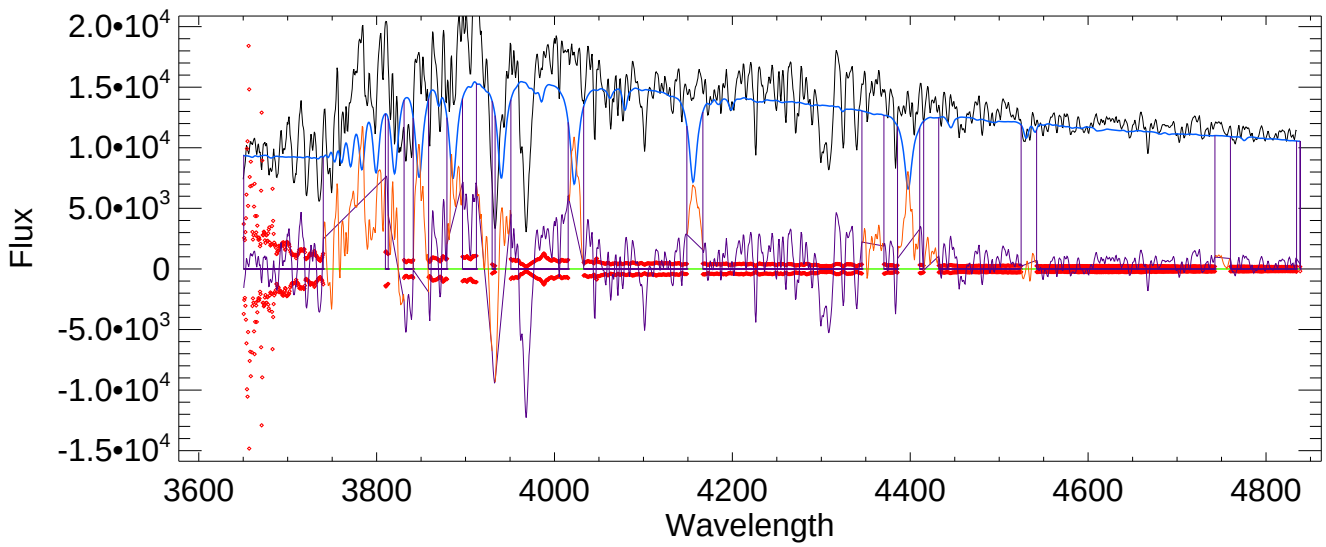

1.5•10^4
1.0•10^4
5.0•10^3
0
-5.0•10^3
-1.0•10^4
-1.5•10^4
Flux
3600
3800
4000
4200
4400
4600
4800
Wavelength

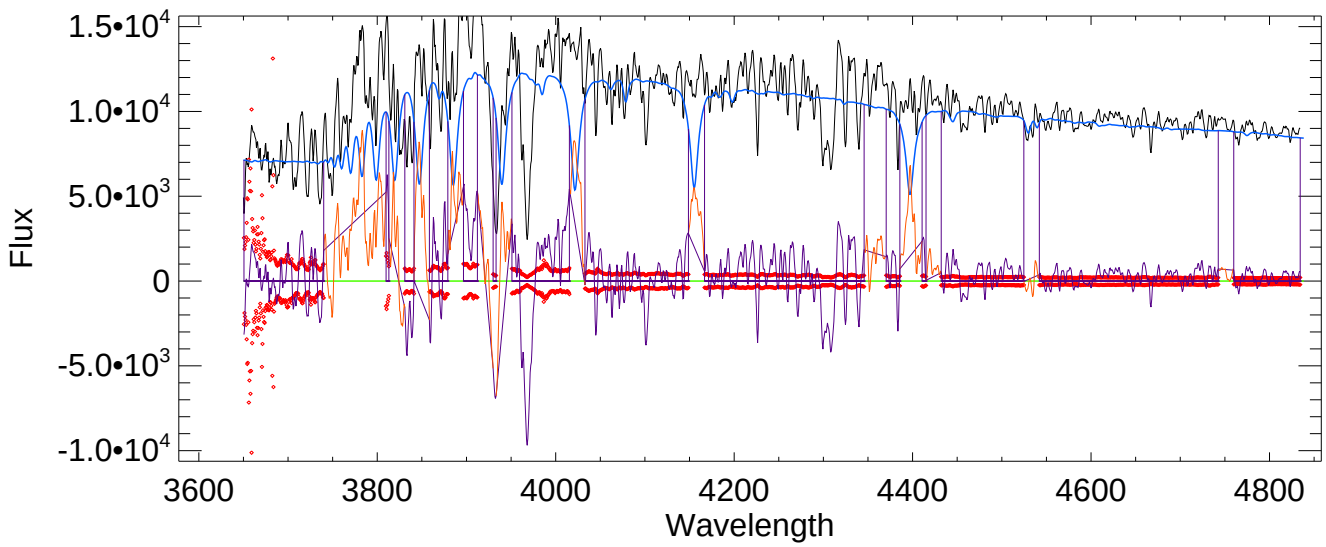

10000
5000
0
-5000
-10000
Flux
3600
3800
4000
4200
4400
4600
4800
Wavelength

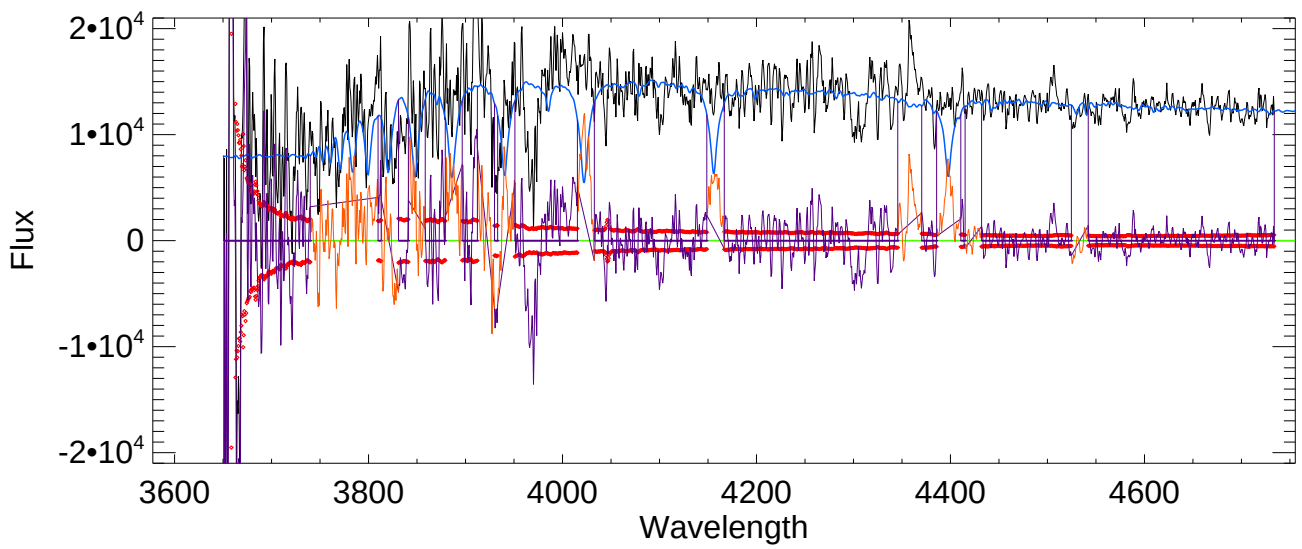

4000
2000
0
-2000
-4000
Flux
3600
3800
4000
4200
4400
4600
4800
Wavelength

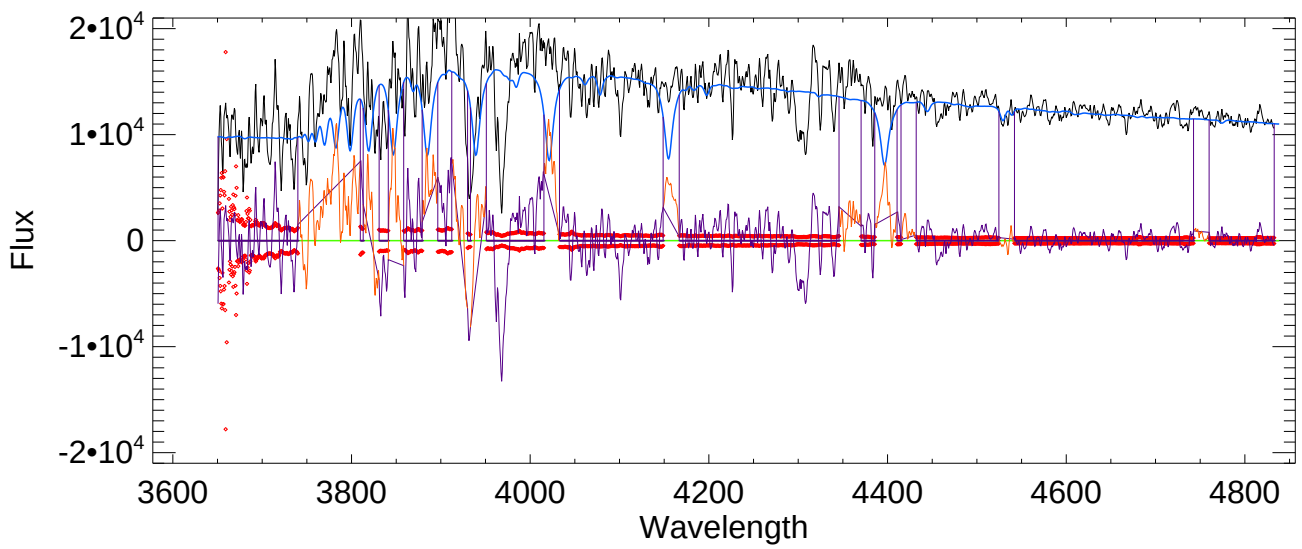

6000
4000
2000
0
-2000
-4000
Flux
3600
3800
4000
4200
4400
4600
4800
Wavelength

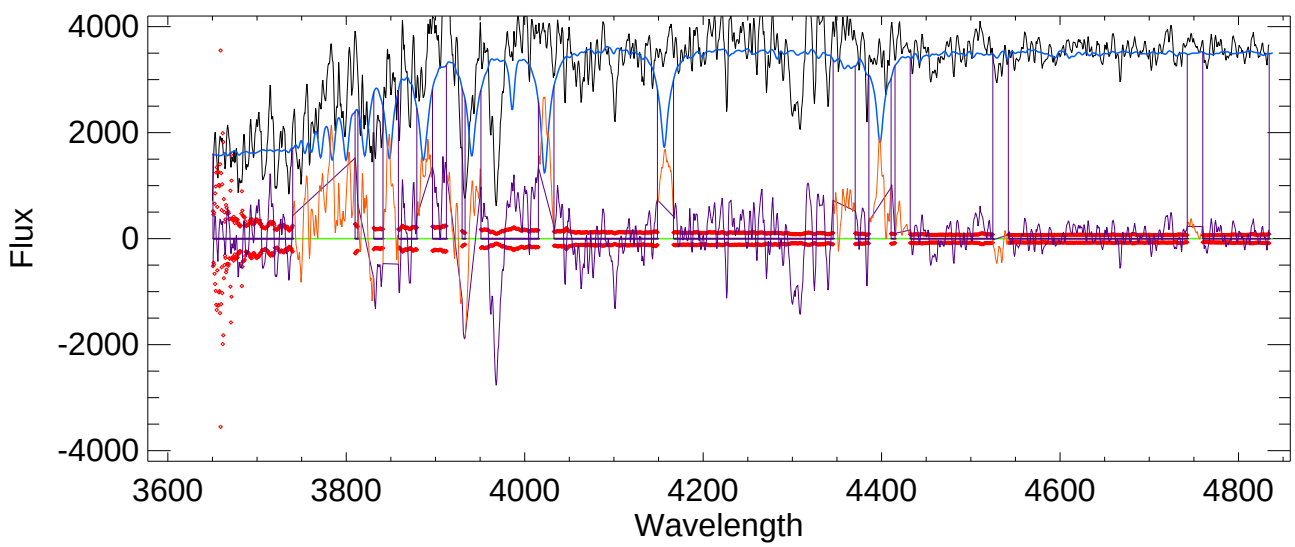

4000
2000
0
-2000
-4000
Flux
3600
3800
4000
4200
4400
4600
4800
Wavelength

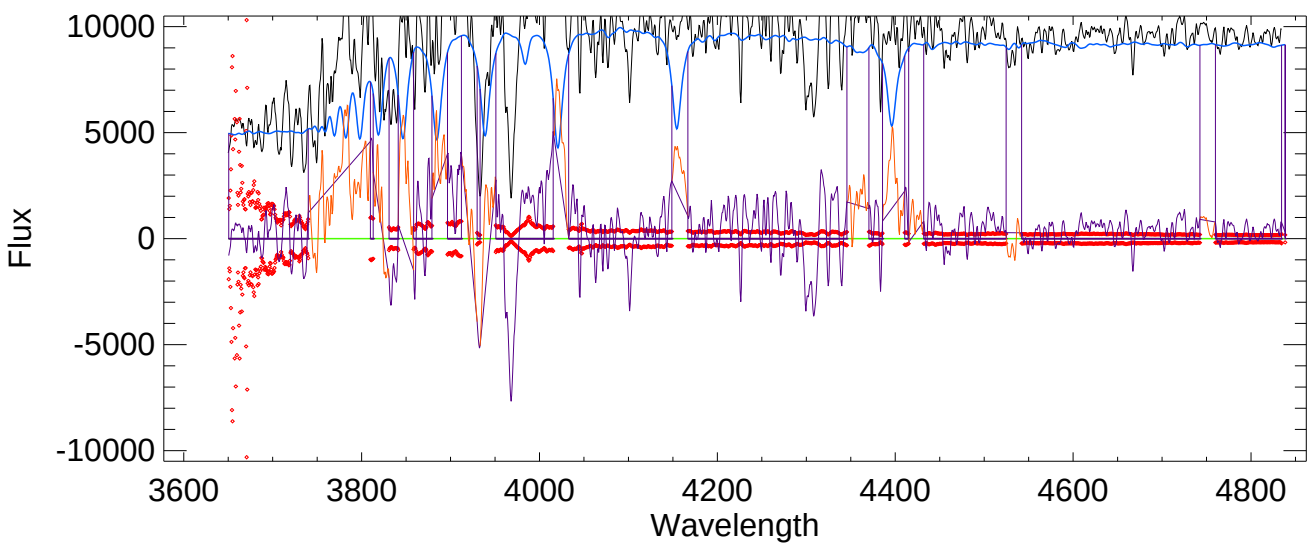

2.0•10^4
1.5•10^4
1.0•10^4
5.0•10^3
0
-5.0•10^3
-1.0•10^4
-1.5•10^4
Flux
3600
3800
4000
4200
4400
4600
4800
Wavelength

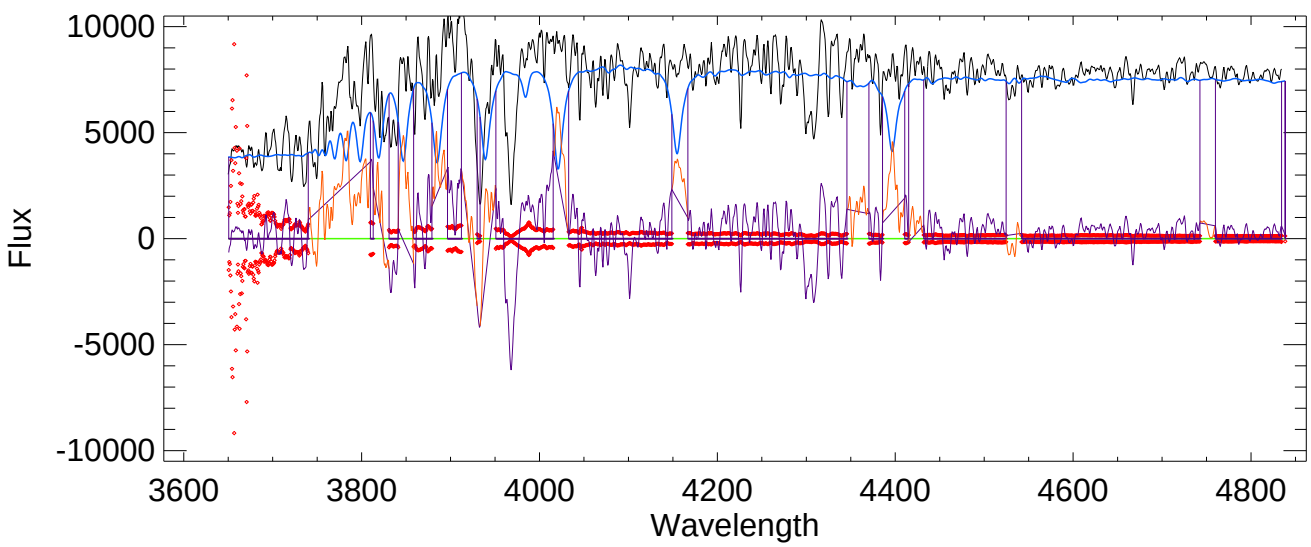

1.5•10^4
1.0•10^4
5.0•10^3
0
-5.0•10^3
-1.0•10^4
Flux
3600
3800
4000
4200
4400
4600
4800
Wavelength

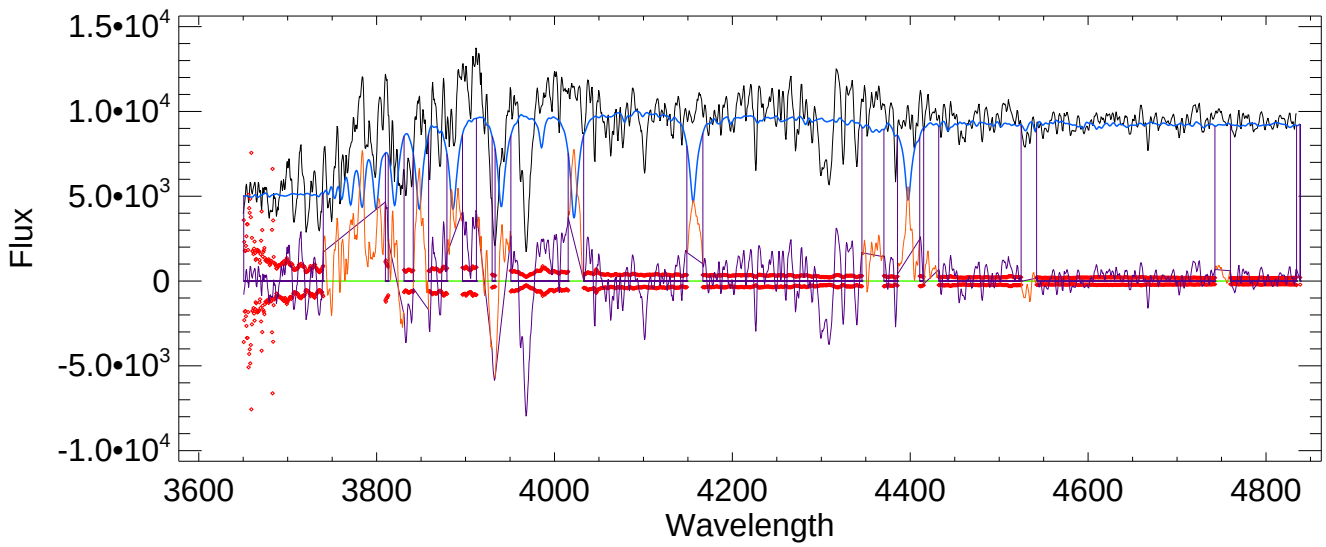

2•10^4
1•10^4
0
-1•10^4
-2•10^4
Flux
3600
3800
4000
4200
4400
4600
Wavelength

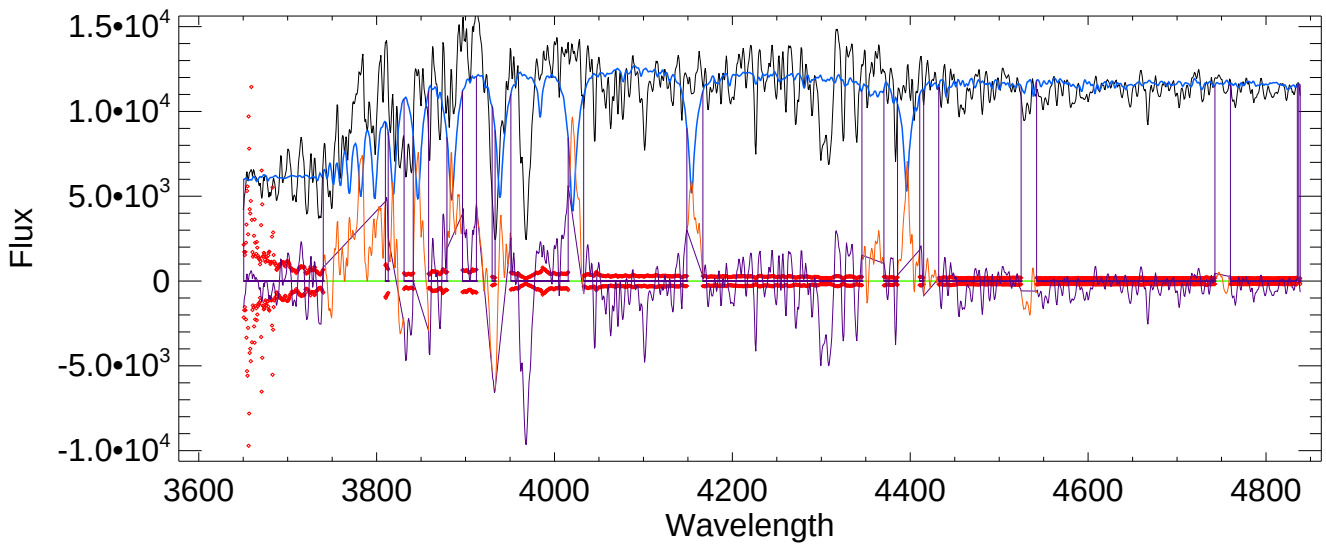

2•10^4
1•10^4
0
-1•10^4
-2•10^4
Flux
3600
3800
4000
4200
4400
4600
4800
Wavelength

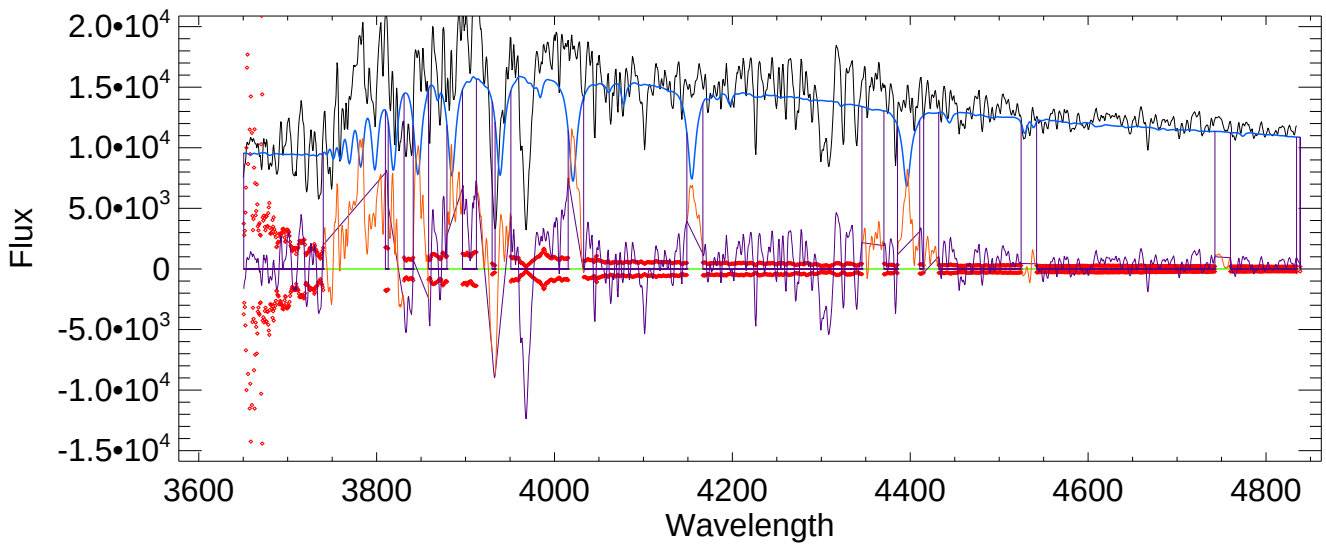

4000
2000
0
-2000
-4000
Flux
3600
3800
4000
4200
4400
4600
4800
Wavelength

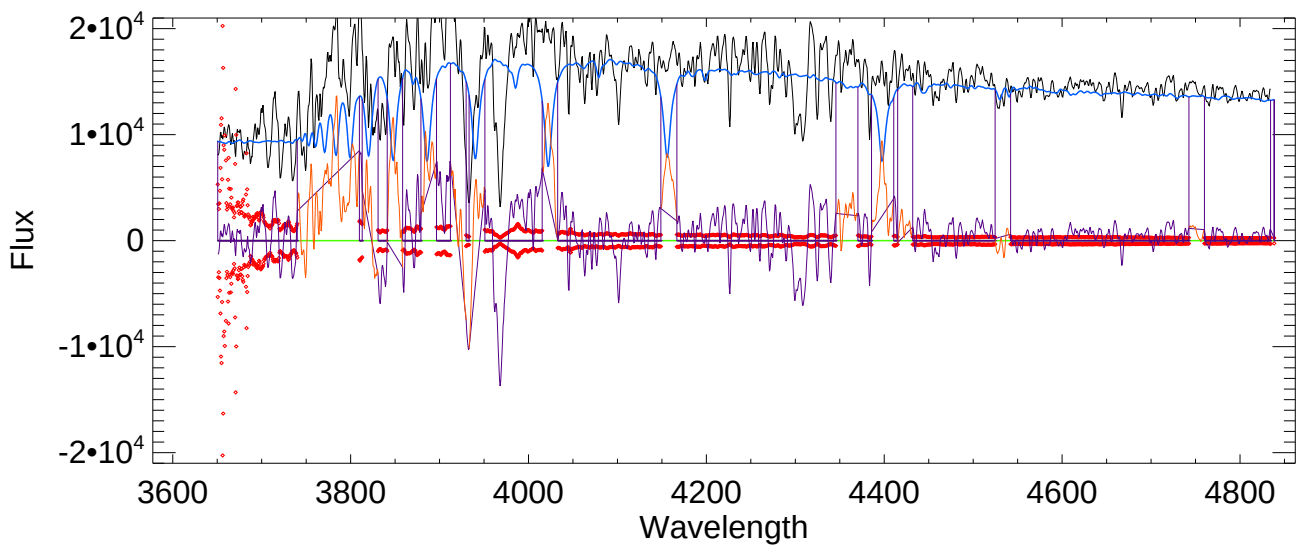

10000
5000
0
-5000
-10000
Flux
3600
3800
4000
4200
4400
4600
4800
Wavelength

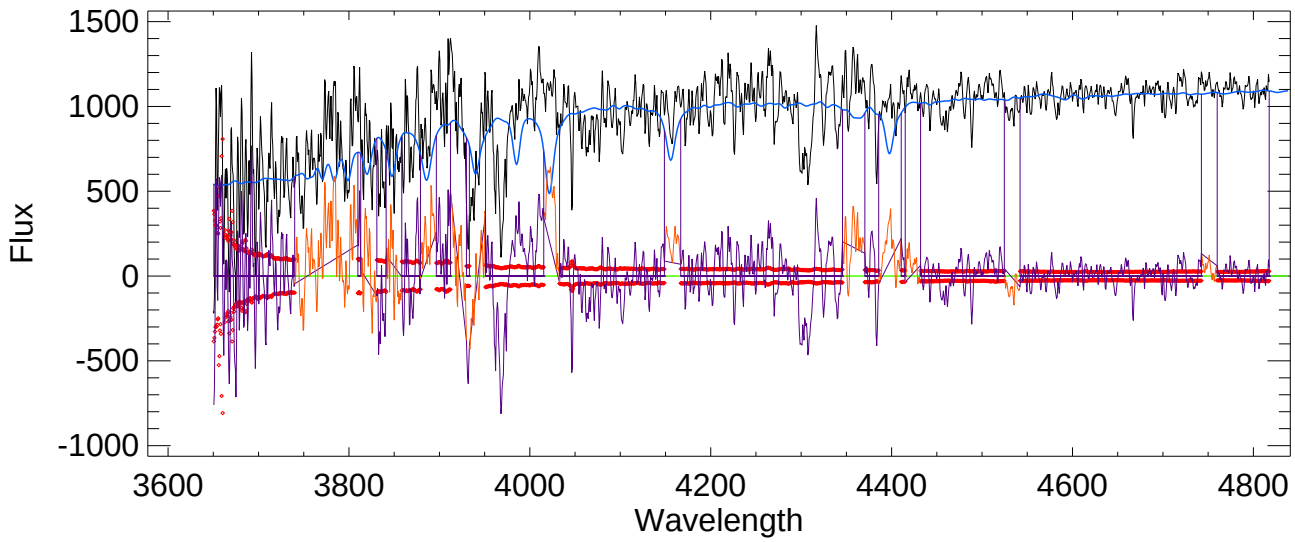

10000
5000
0
-5000
-10000
Flux
3600
3800
4000
4200
4400
4600
4800
Wavelength

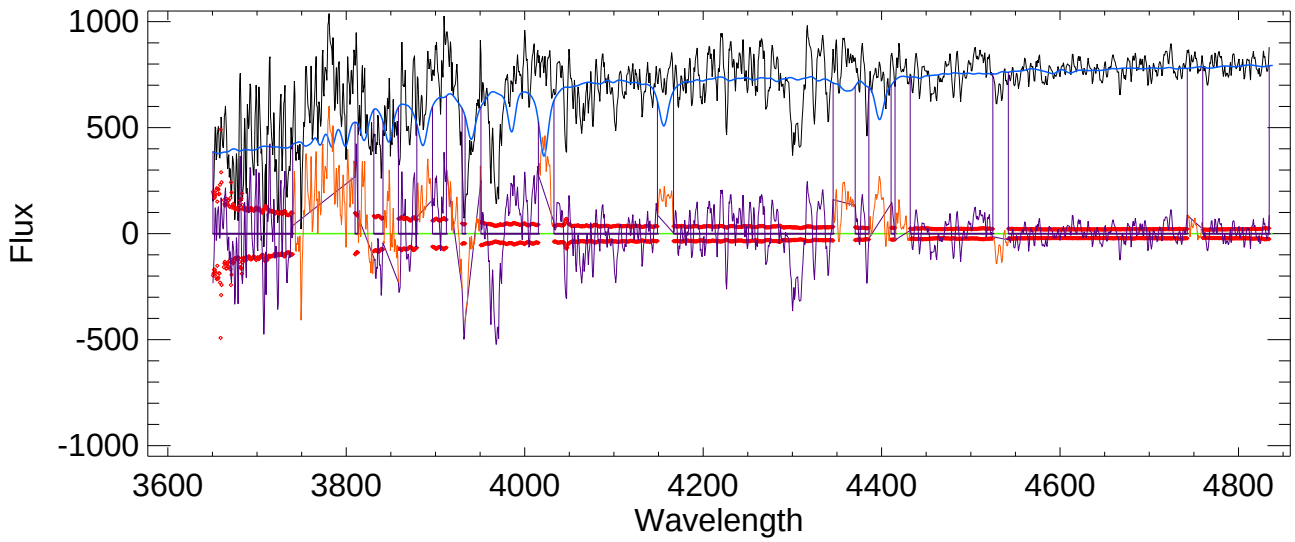

1.5•10^4
1.0•10^4
5.0•10^3
0
-5.0•10^3
-1.0•10^4
Flux
3600
3800
4000
4200
4400
4600
4800
Wavelength

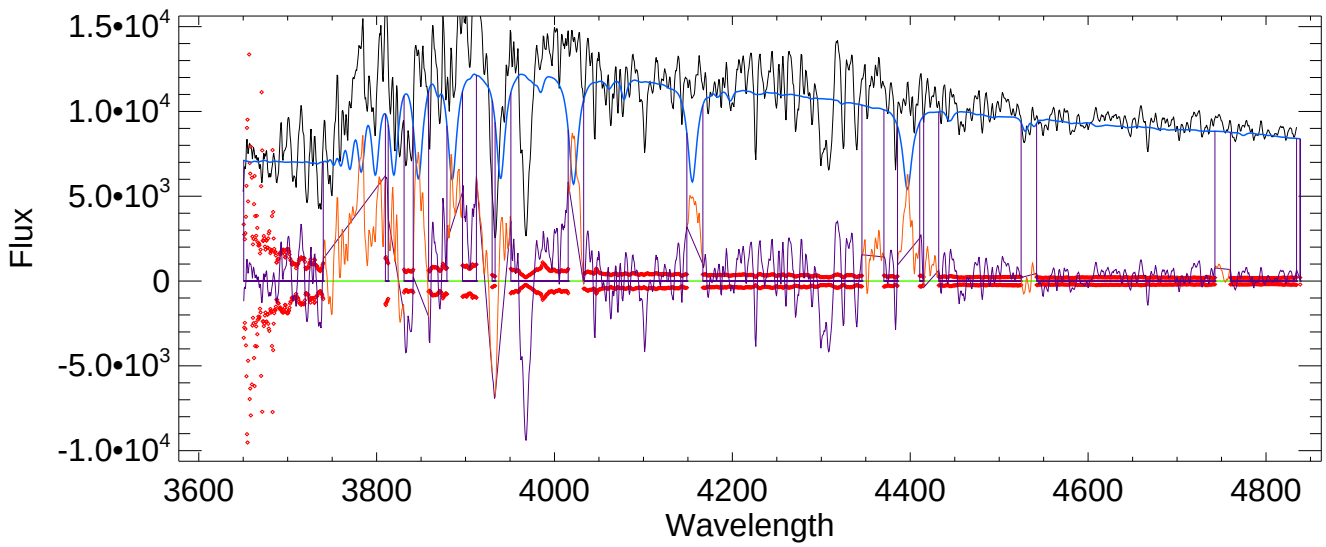

1.5•10^4
1.0•10^4
5.0•10^3
0
-5.0•10^3
-1.0•10^4
Flux
3600
3800
4000
4200
4400
4600
4800
Wavelength

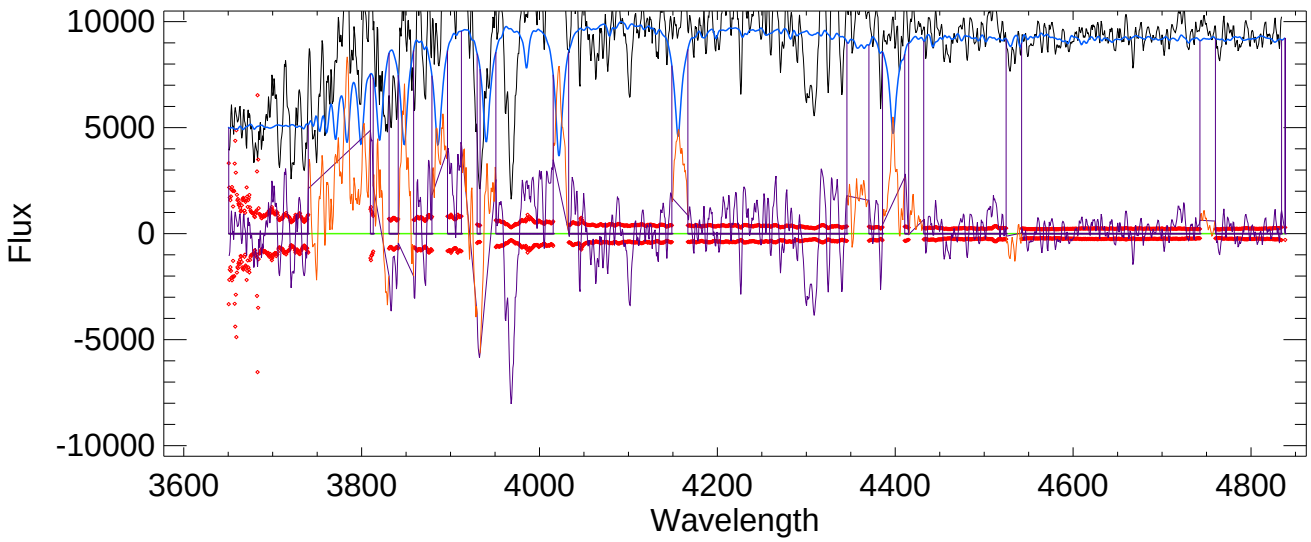

2.0•10^4
1.5•10^4
1.0•10^4
5.0•10^3
0
-5.0•10^3
-1.0•10^4
-1.5•10^4
Flux
3600
3800
4000
4200
4400
4600
4800
Wavelength

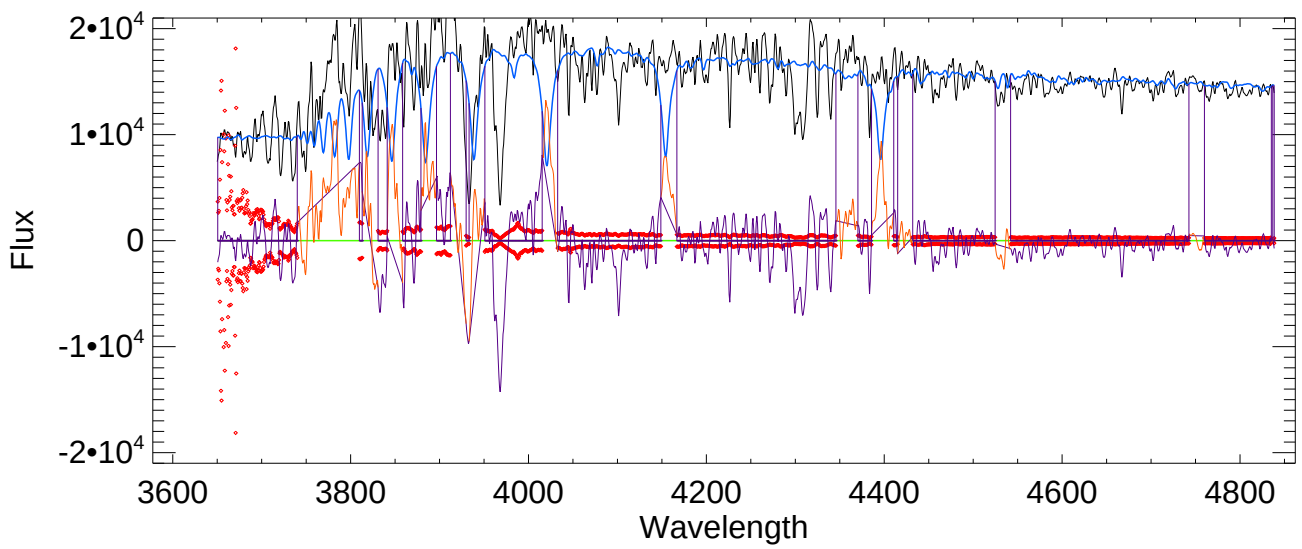

2•10^4
1•10^4
0
-1•10^4
-2•10^4
Flux
3600
3800
4000
4200
4400
4600
4800
Wavelength

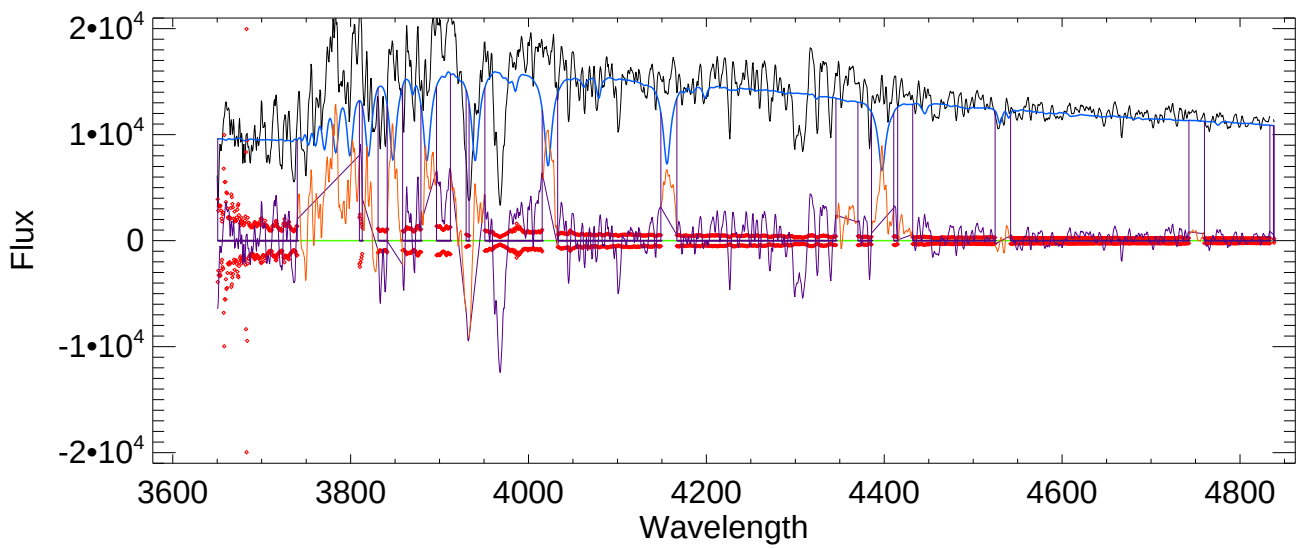

1500
1000
500
0
-500
-1000
Flux
3600
3800
4000
4200
4400
4600
4800
Wavelength

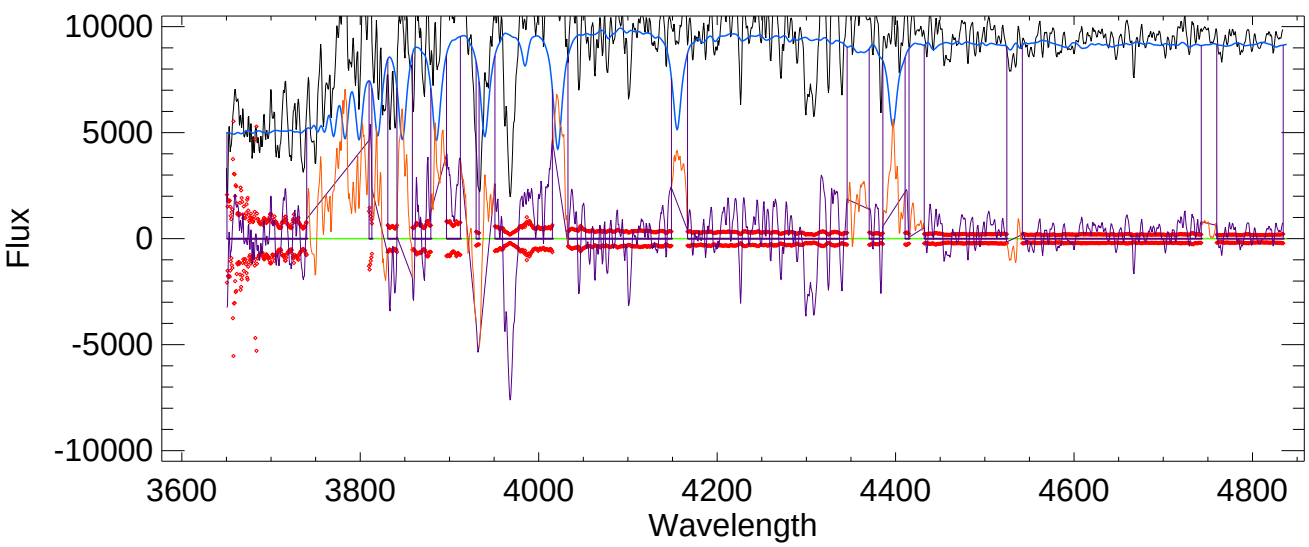

1000
500
0
-500
-1000
Flux
3600
3800
4000
4200
4400
4600
4800
Wavelength

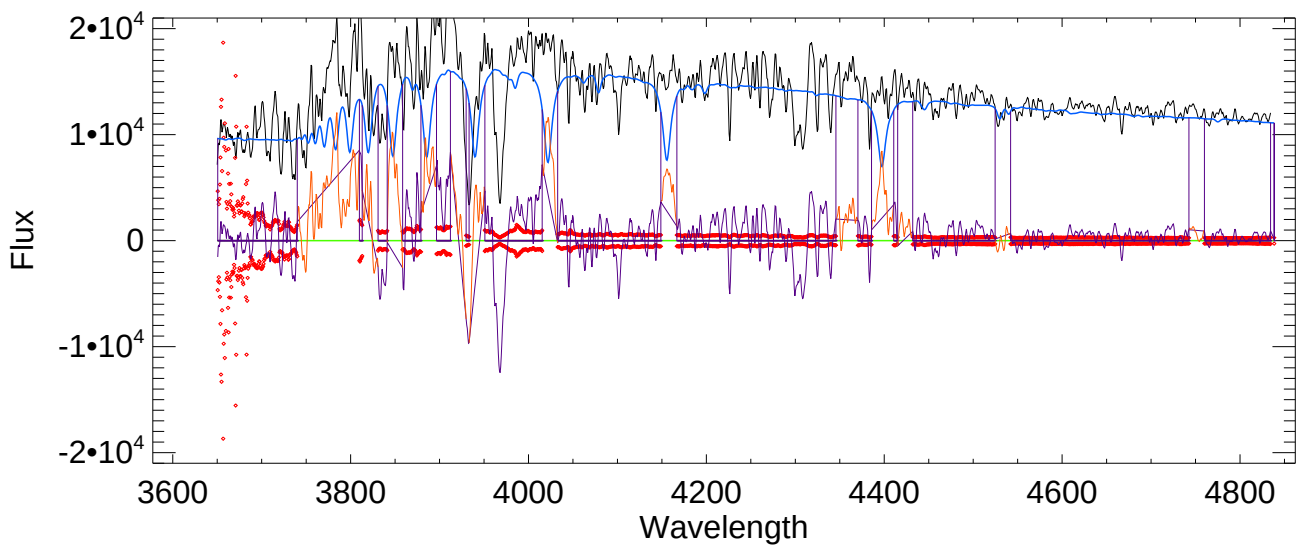

1.5•10^4
1.0•10^4
5.0•10^3
0
-5.0•10^3
-1.0•10^4
Flux
3600
3800
4000
4200
4400
4600
4800
Wavelength

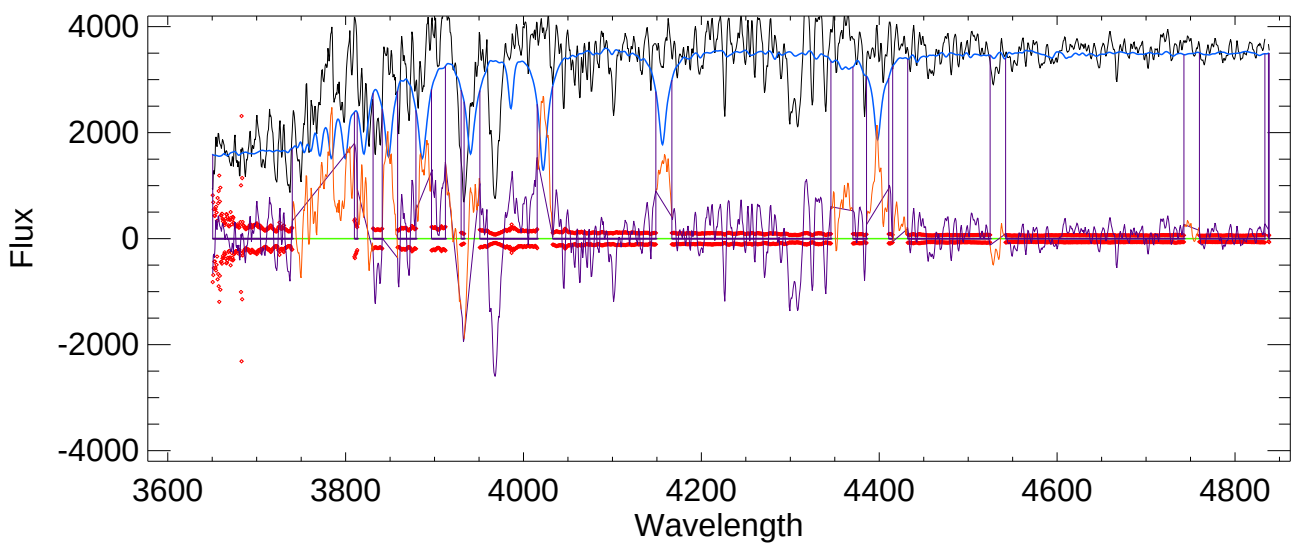

10000
5000
0
-5000
-10000
Flux
3600
3800
4000
4200
4400
4600
4800
Wavelength

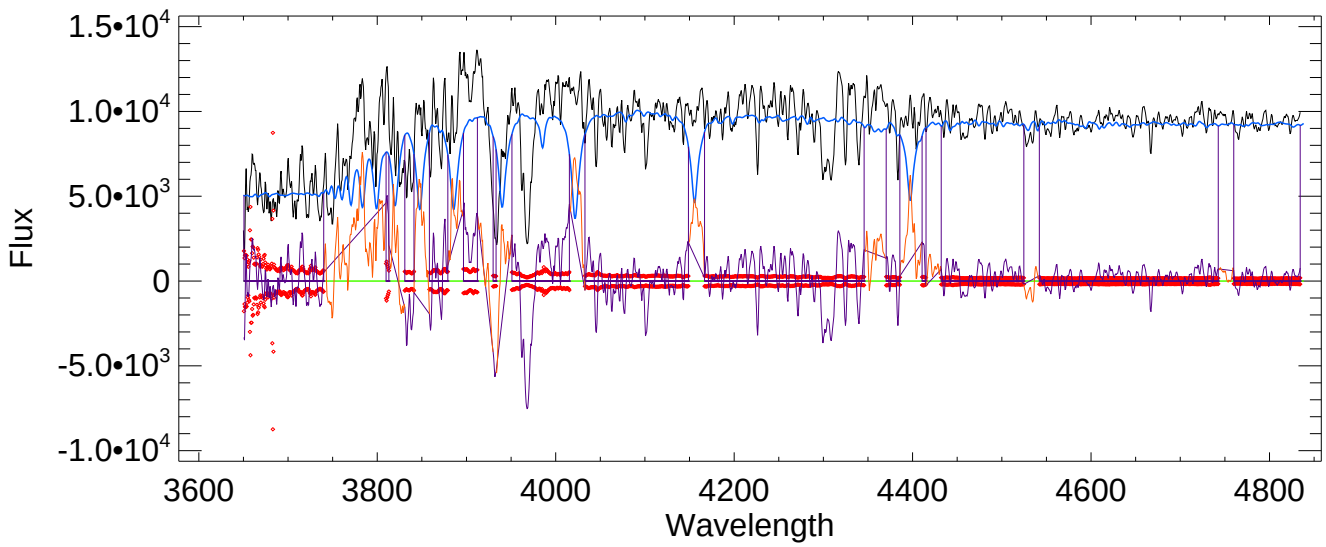

2•10^4
1•10^4
0
-1•10^4
-2•10^4
Flux
3600
3800
4000
4200
4400
4600
4800
Wavelength

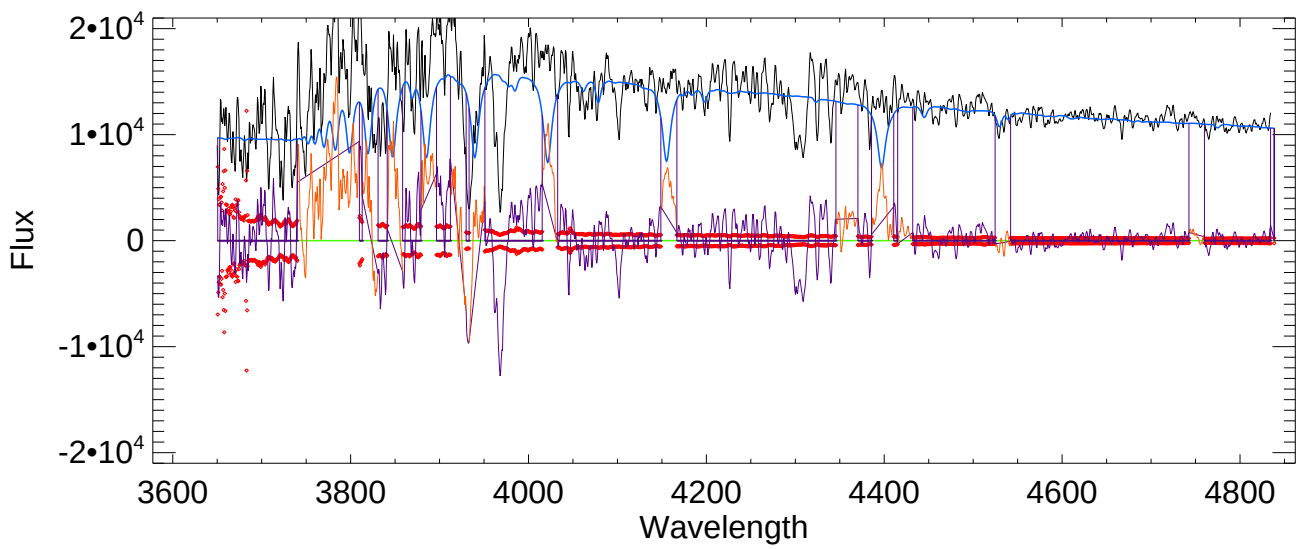

2•10^4
1•10^4
0
-1•10^4
-2•10^4
Flux
3600
3800
4000
4200
4400
4600
4800
Wavelength

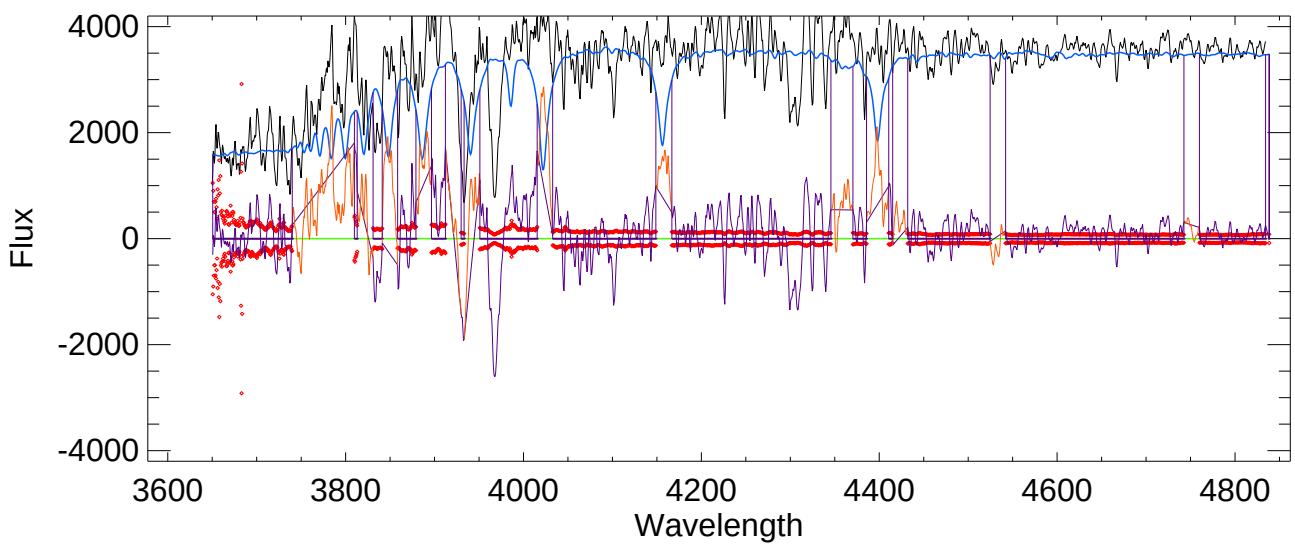

10000
5000
0
-5000
-10000
Flux
3600
3800
4000
4200
4400
4600
4800
Wavelength

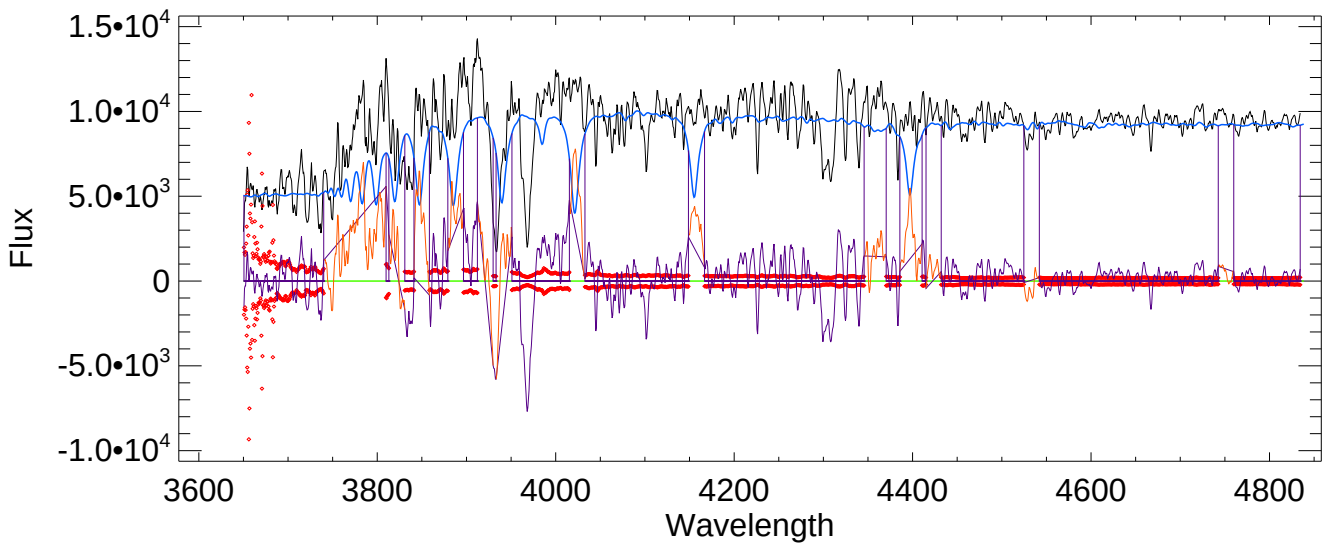

2•10^4
1•10^4
0
-1•10^4
-2•10^4
Flux
3600
3800
4000
4200
4400
4600
4800
Wavelength

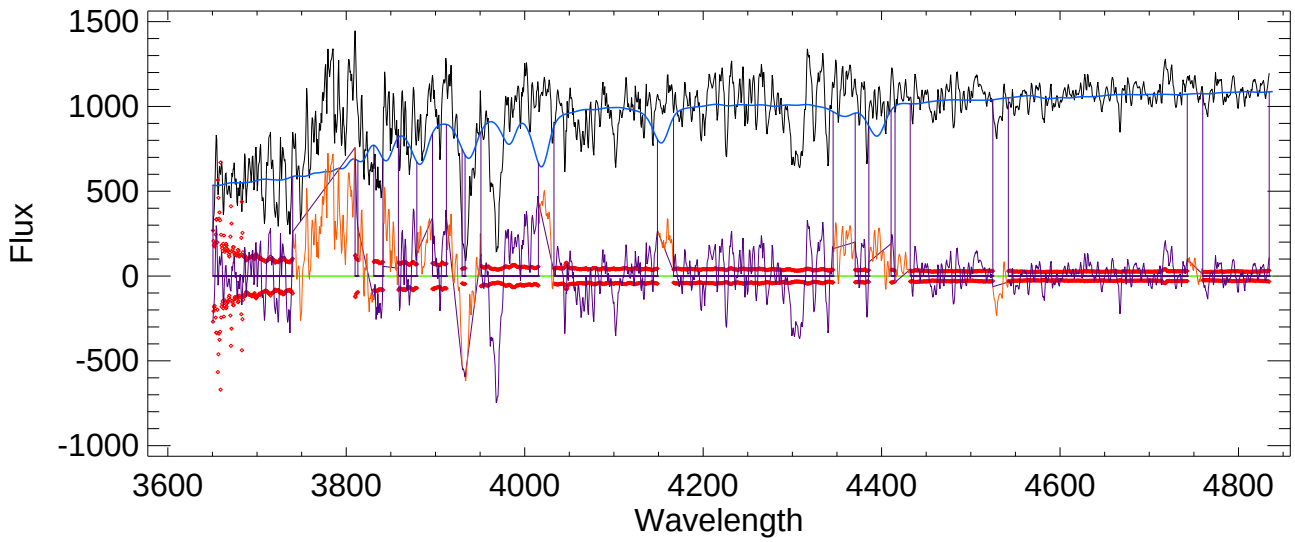

4000
2000
0
-2000
-4000
Flux
3600
3800
4000
4200
4400
4600
4800
Wavelength

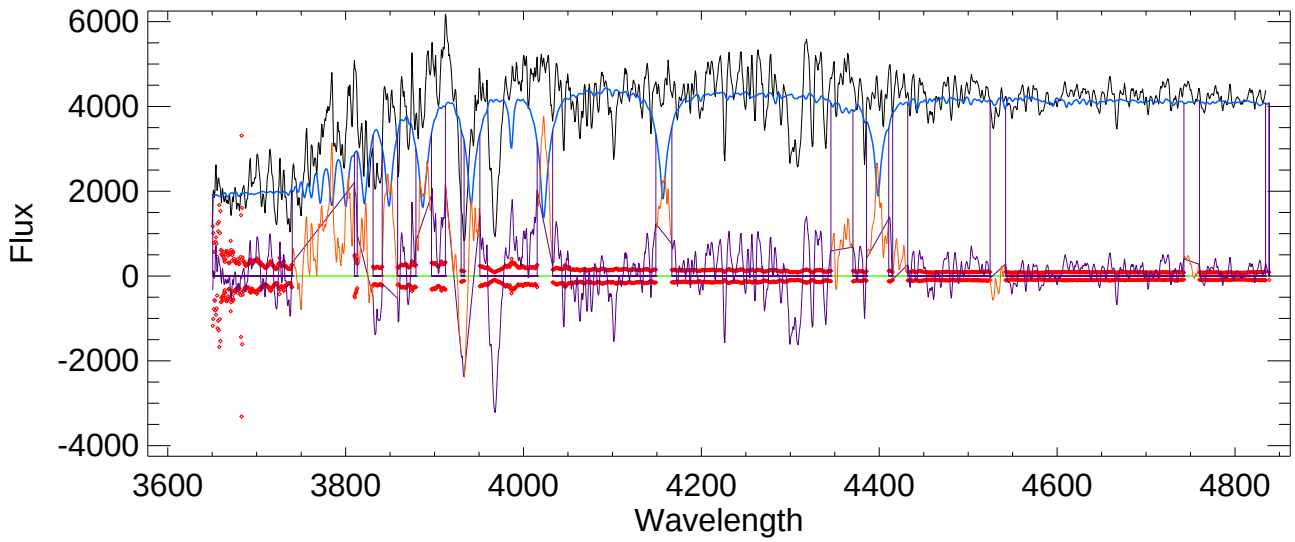

1.5•10^4
1.0•10^4
5.0•10^3
0
-5.0•10^3
-1.0•10^4
Flux
3600
3800
4000
4200
4400
4600
4800
Wavelength

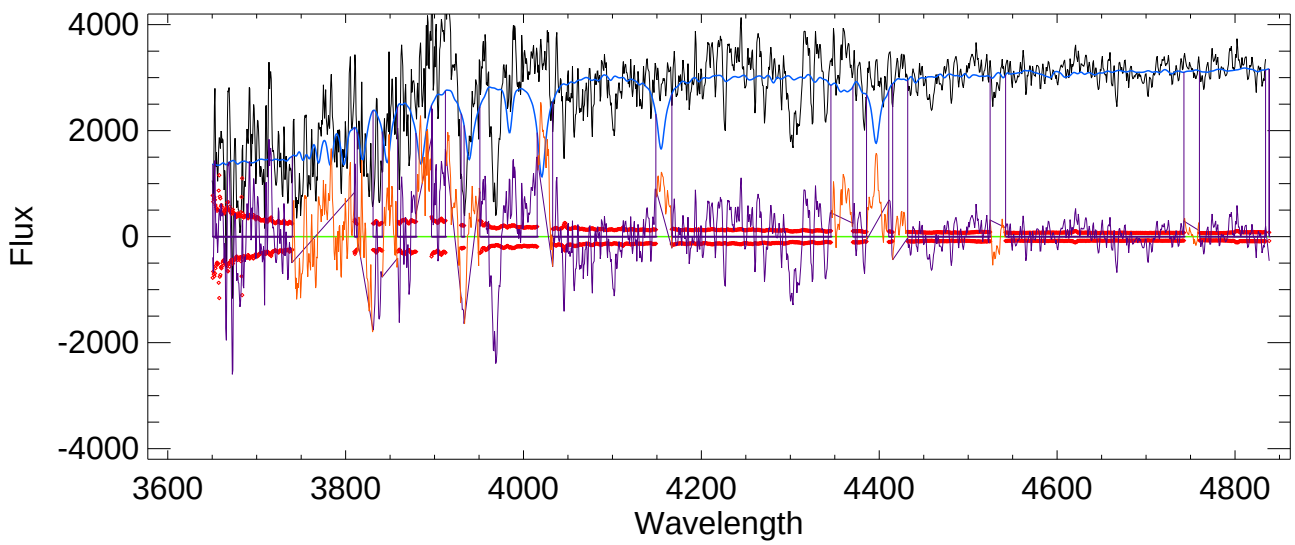

2•10^4
1•10^4
0
-1•10^4
-2•10^4
Flux
3600
3800
4000
4200
4400
4600
4800
Wavelength

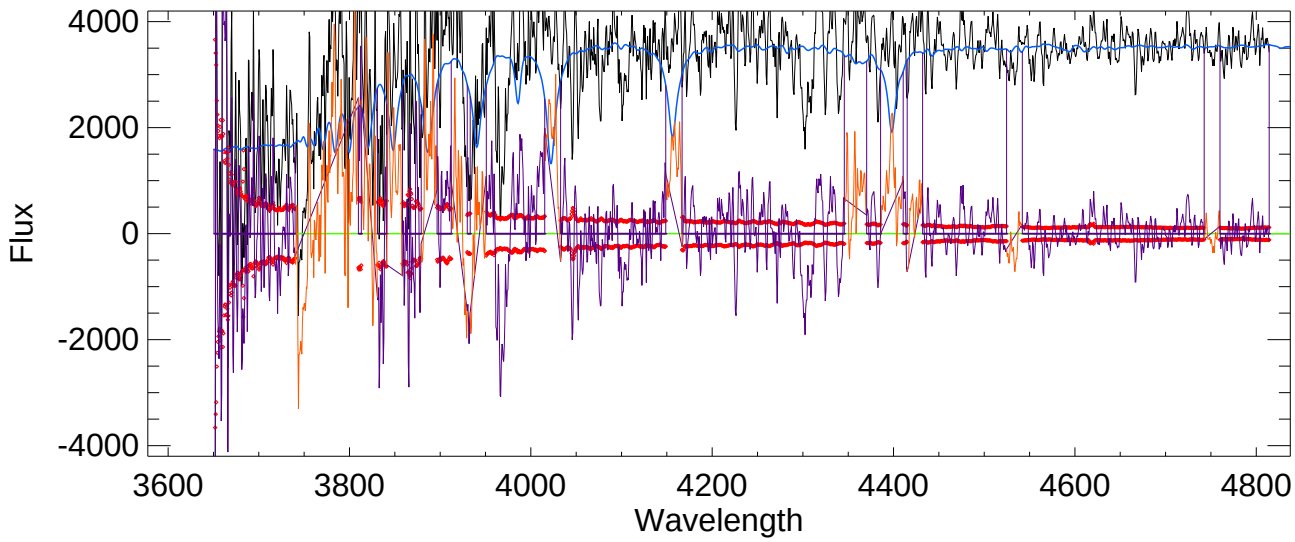

4000
2000
0
-2000
-4000
Flux
3600
3800
4000
4200
4400
4600
4800
Wavelength

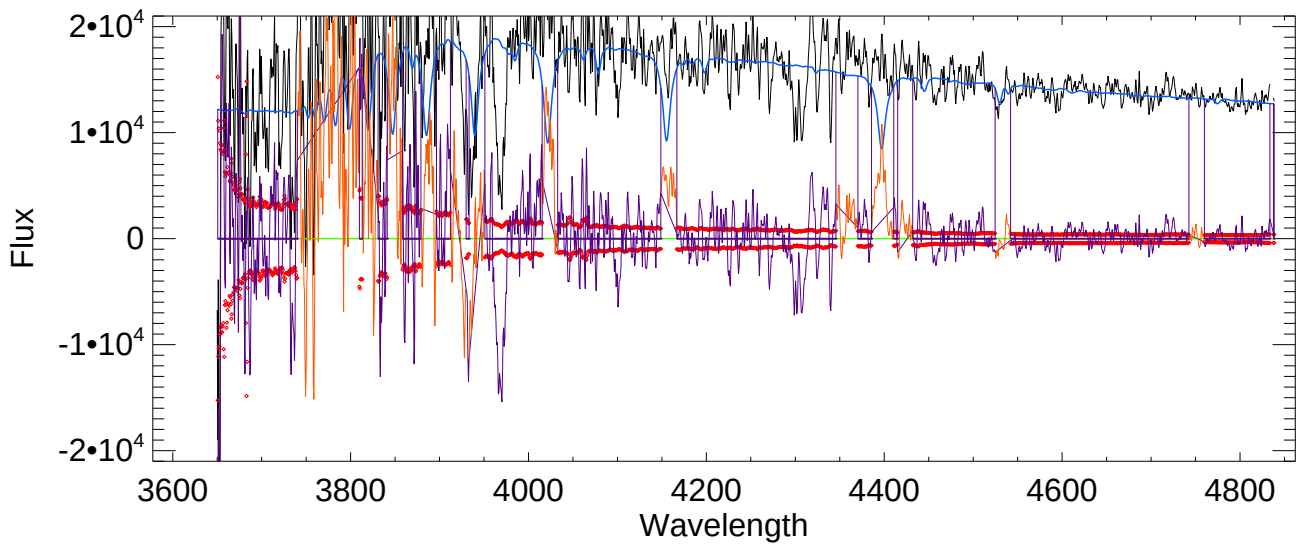

1.5•10^4
1.0•10^4
5.0•10^3
0
-5.0•10^3
-1.0•10^4
Flux
3600
3800
4000
4200
4400
4600
4800
Wavelength

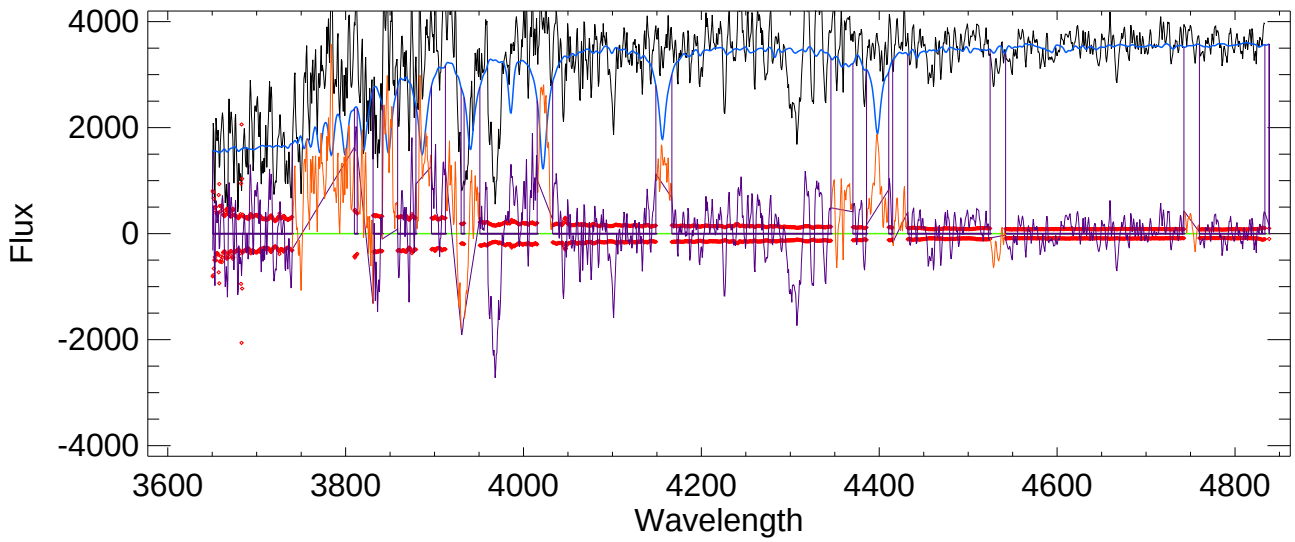

1500
1000
500
0
-500
-1000
Flux
3600
3800
4000
4200
4400
4600
4800
Wavelength

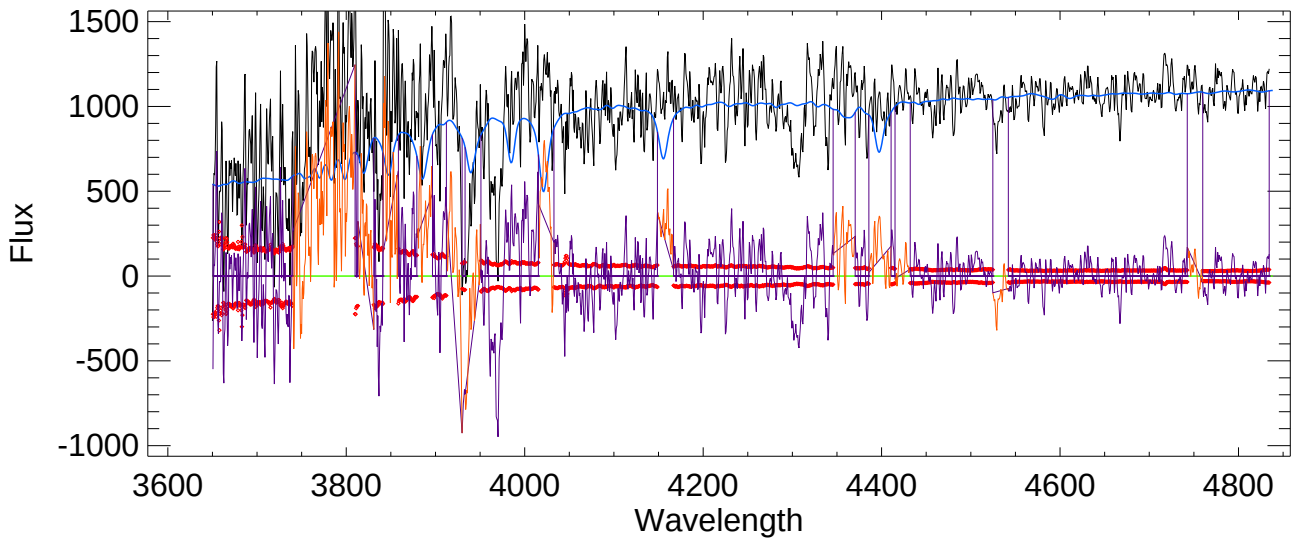

6000
4000
2000
0
-2000
-4000
Flux
3600
3800
4000
4200
4400
4600
4800
Wavelength

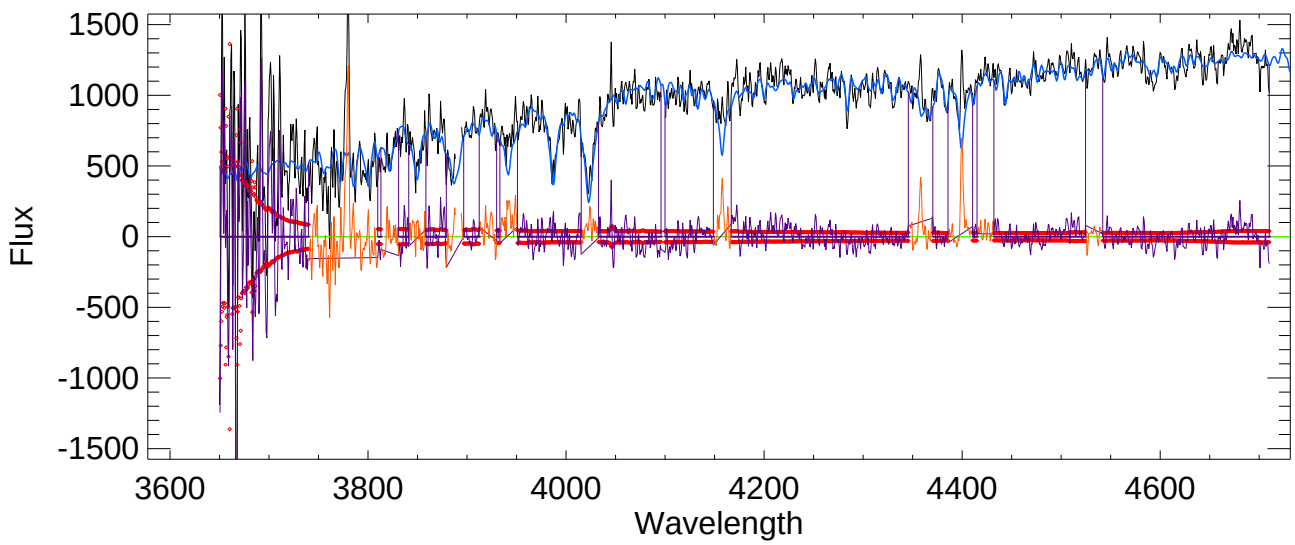

4000
2000
0
-2000
-4000
Flux
3600
3800
4000
4200
4400
4600
4800
Wavelength

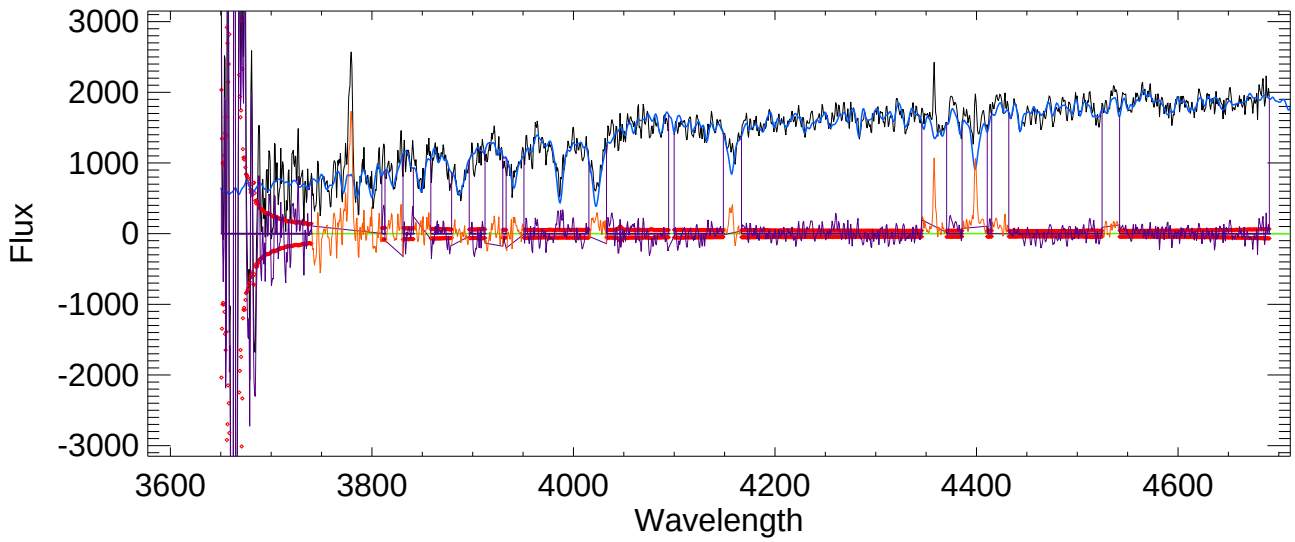

4000
2000
0
-2000
-4000
Flux
3600
3800
4000
4200
4400
4600
4800
Wavelength

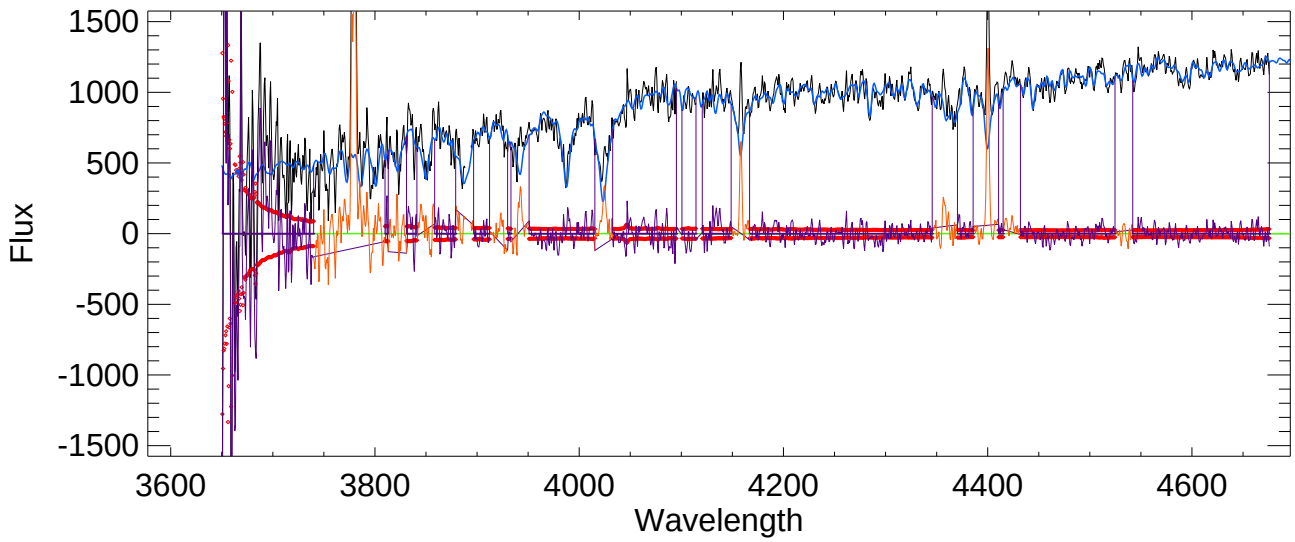

2•10^4
1•10^4
0
-1•10^4
-2•10^4
Flux
3600
3800
4000
4200
4400
4600
4800
Wavelength

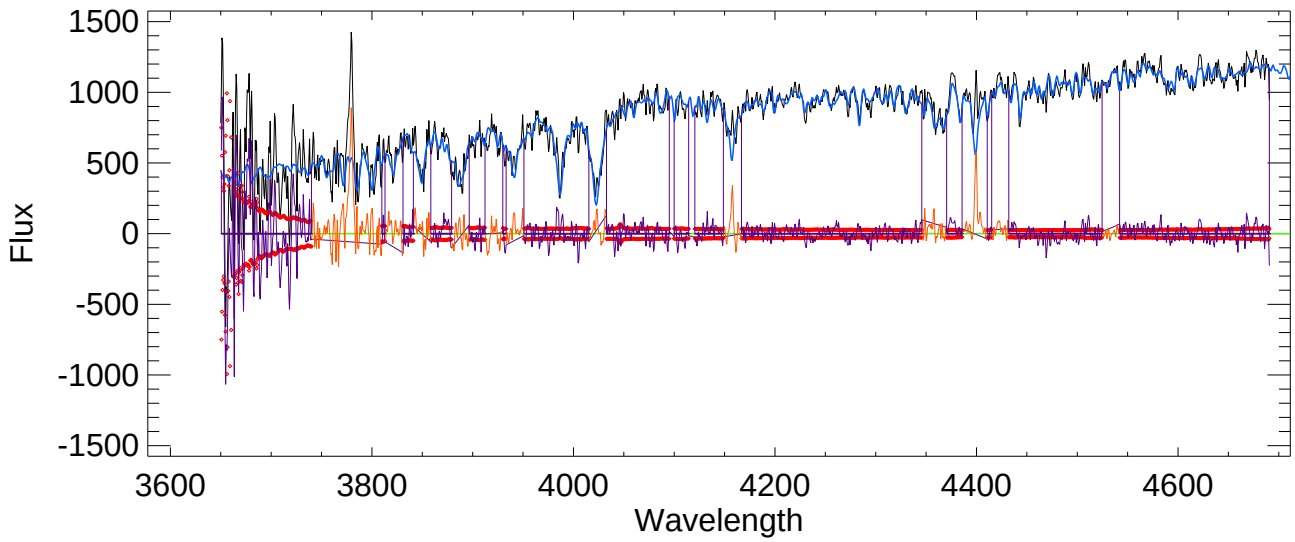

4000
2000
0
-2000
-4000
Flux
3600
3800
4000
4200
4400
4600
4800
Wavelength

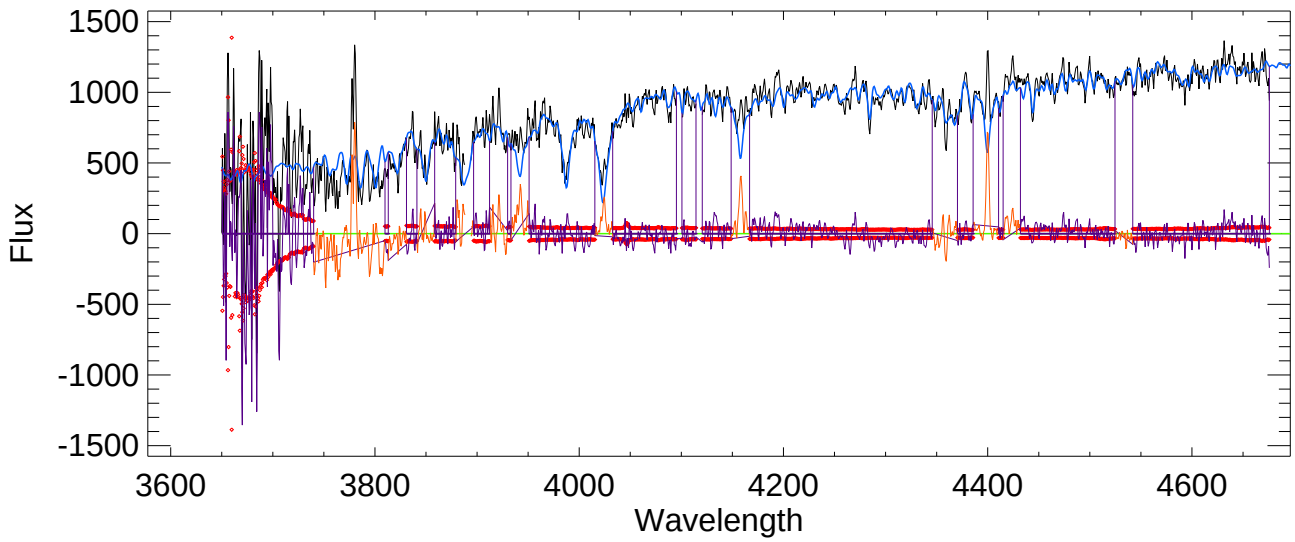

1500
1000
500
0
-500
-1000
Flux
3600
3800
4000
4200
4400
4600
4800
Wavelength

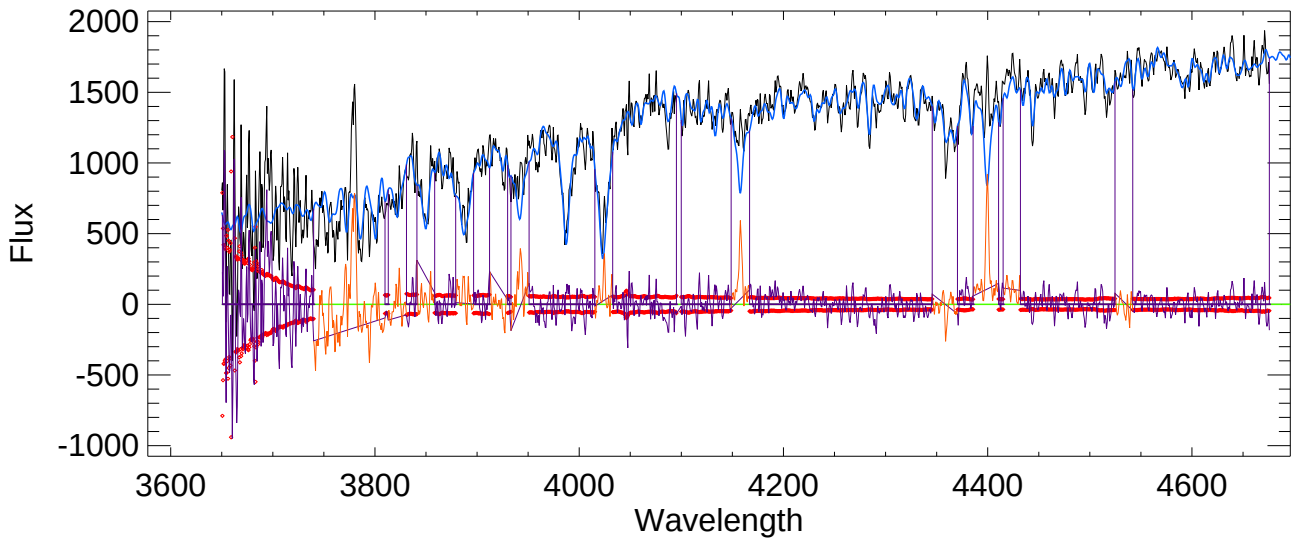

1500
1000
500
0
-500
-1000
-1500
Flux
3600
3800
4000
4200
4400
4600
Wavelength

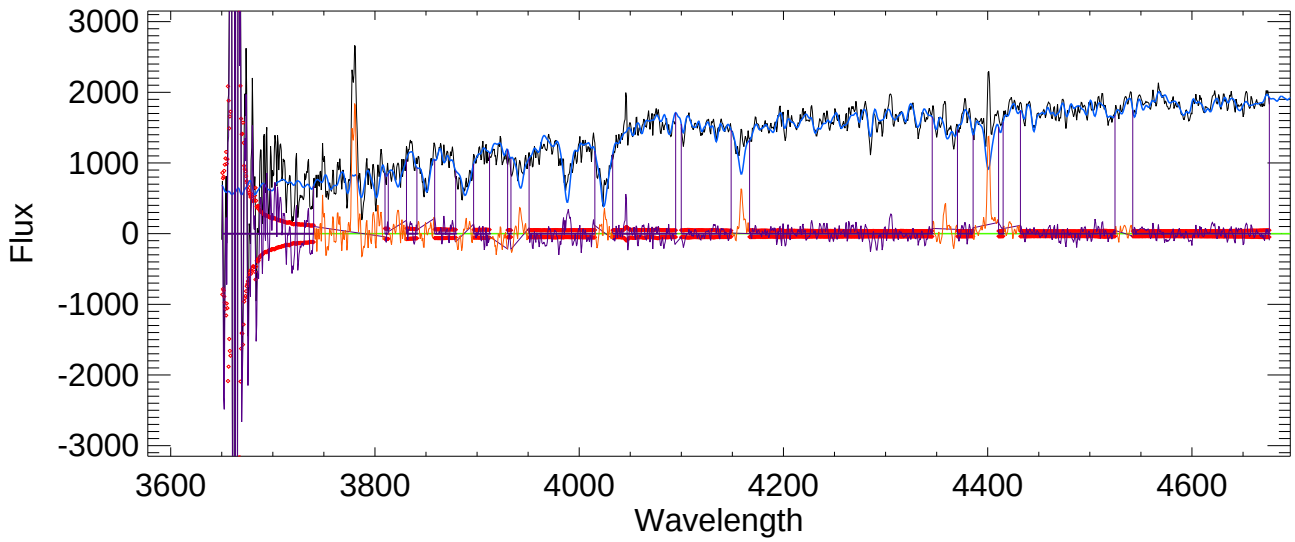

3000
2000
1000
0
-1000
-2000
-3000
Flux
3600
3800
4000
4200
4400
4600
Wavelength

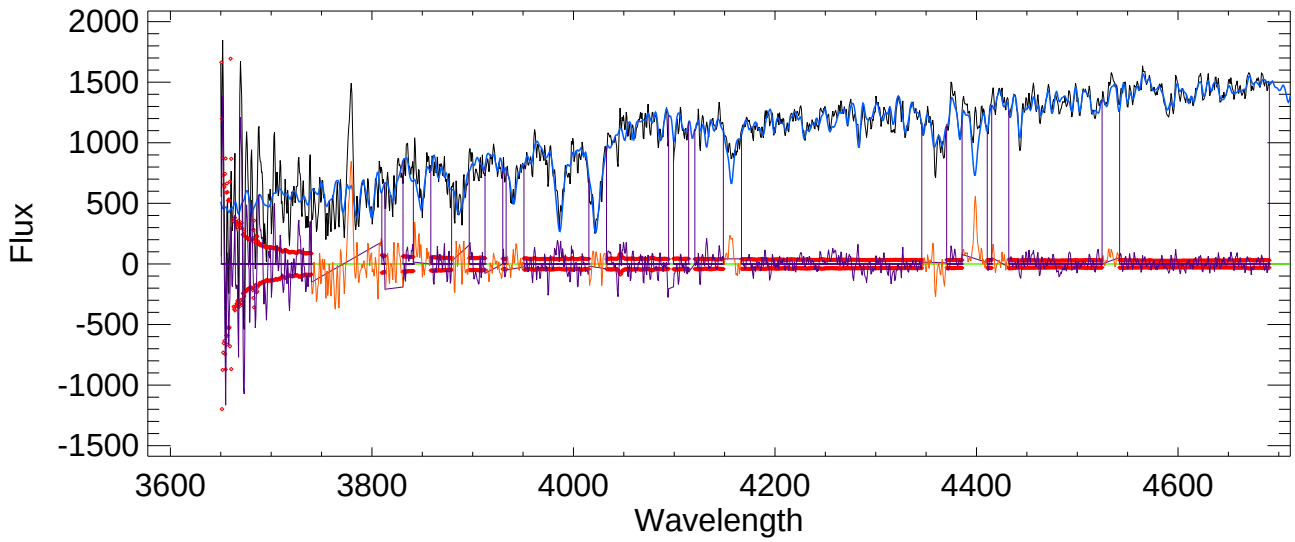

1500
1000
500
0
-500
-1000
-1500
Flux
3600
3800
4000
4200
4400
4600
Wavelength

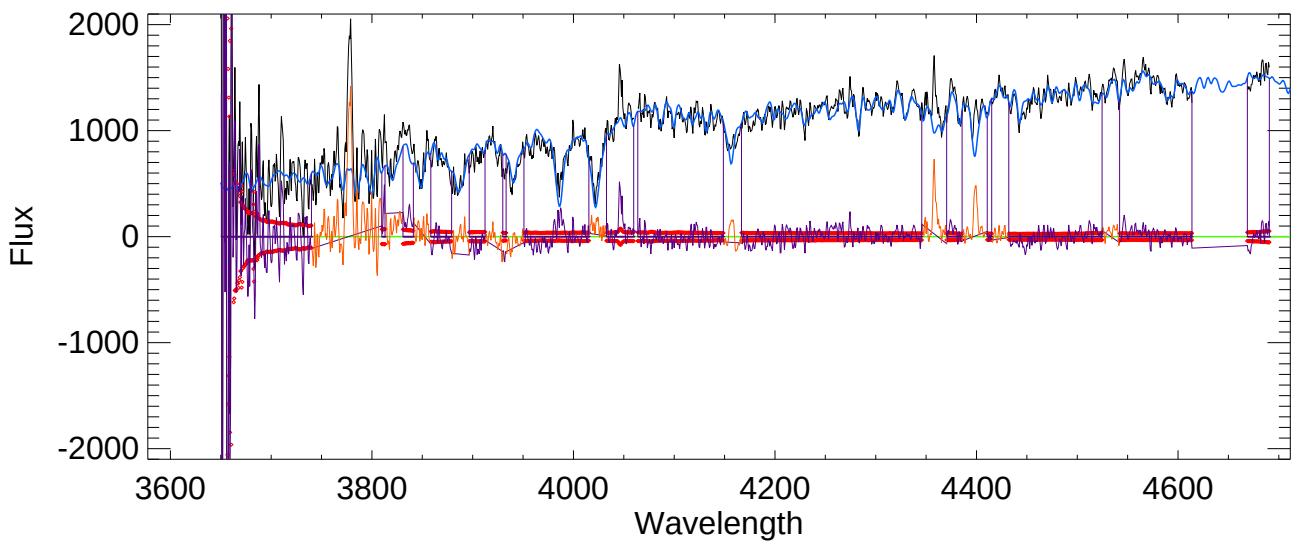

1500
1000
500
0
-500
-1000
-1500
Flux
3600
3800
4000
4200
4400
4600
Wavelength

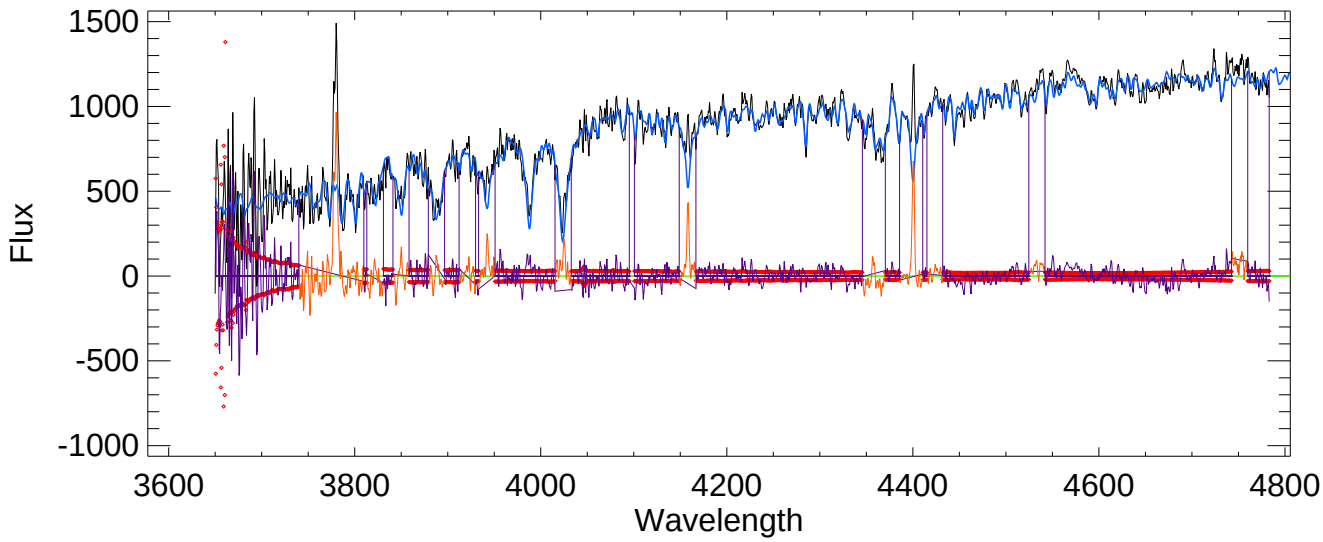

1500
1000
500
0
-500
-1000
-1500
Flux
3600
3800
4000
4200
4400
4600
Wavelength

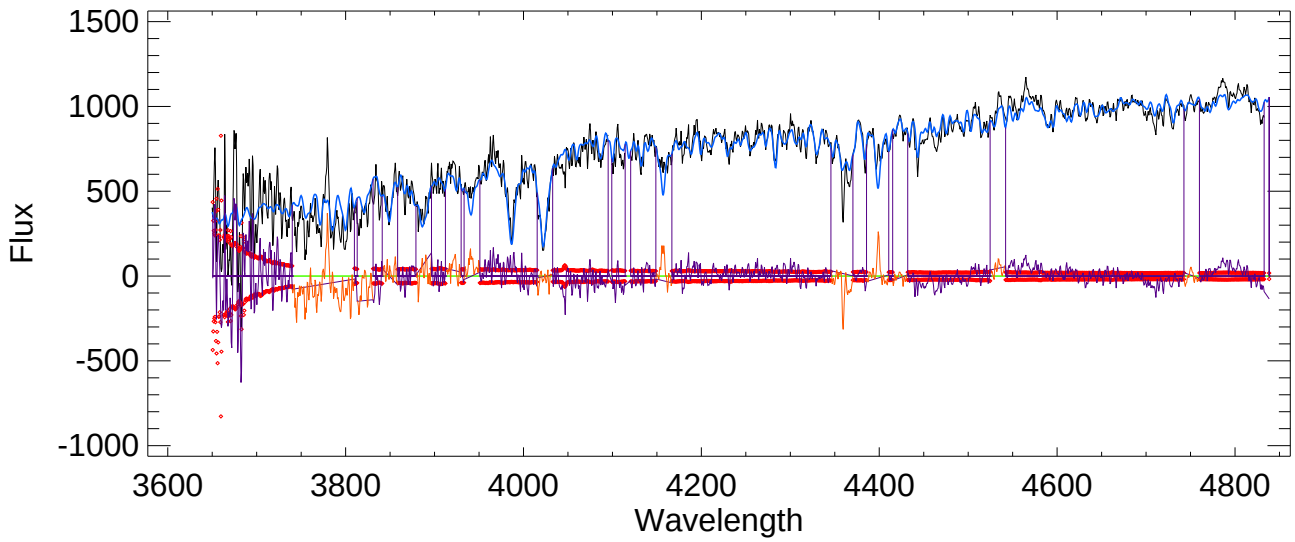

2000
1500
1000
500
0
-500
-1000
Flux
3600
3800
4000
4200
4400
4600
Wavelength

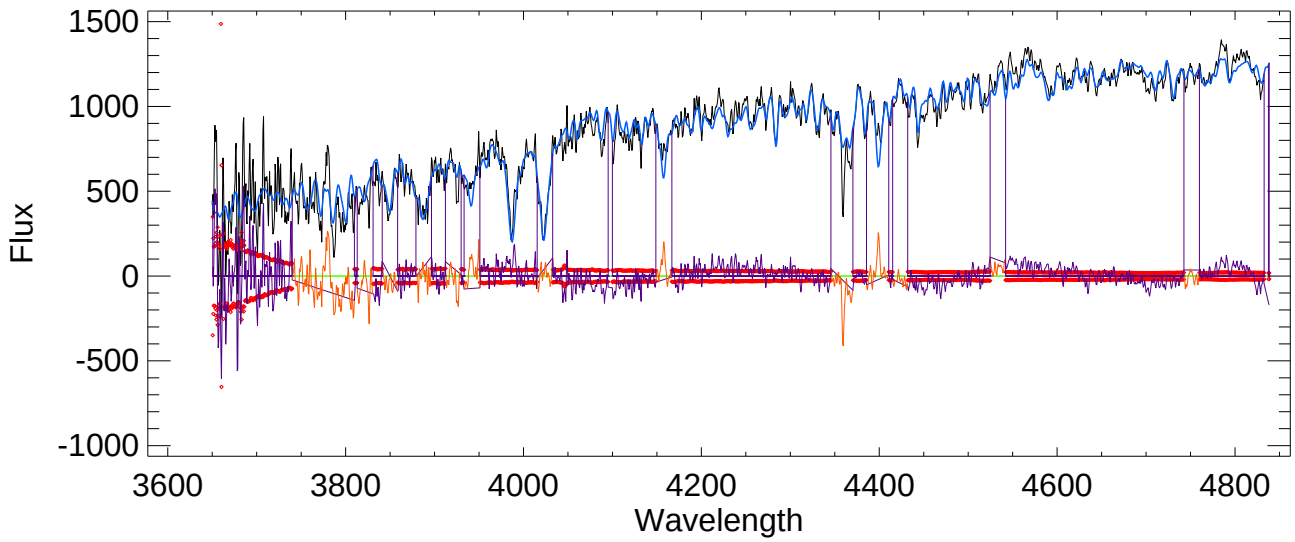

3000
2000
1000
0
-1000
-2000
-3000
Flux
3600
3800
4000
4200
4400
4600
Wavelength

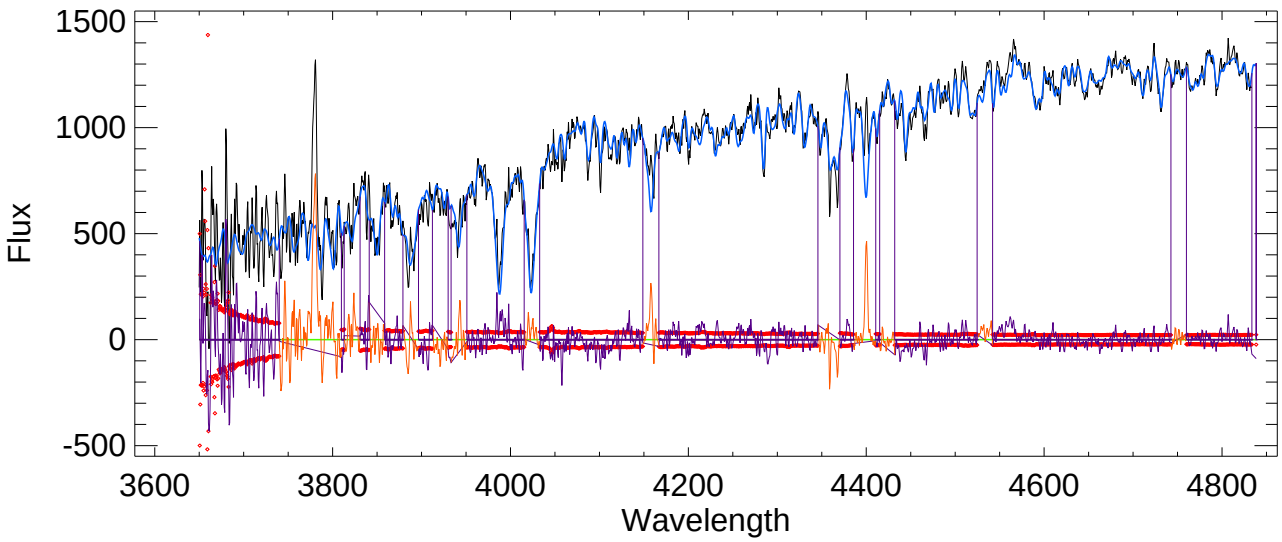

2000
1500
1000
500
0
-500
-1000
-1500
Flux
3600
3800
4000
4200
4400
4600
Wavelength

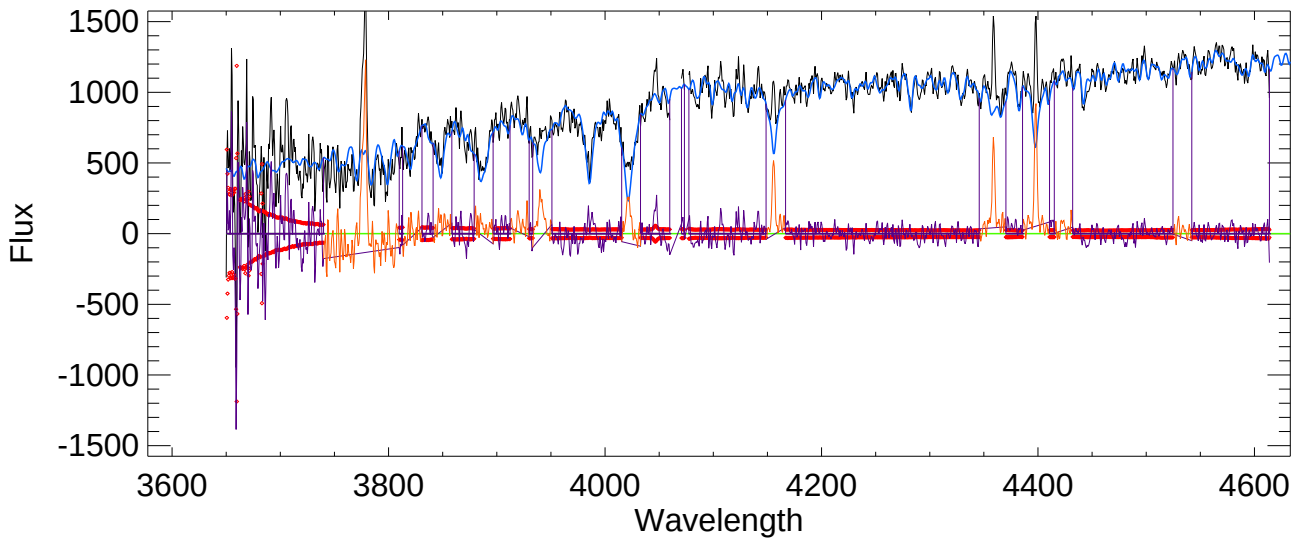

2000
1000
0
-1000
-2000
Flux
3600
3800
4000
4200
4400
4600
Wavelength

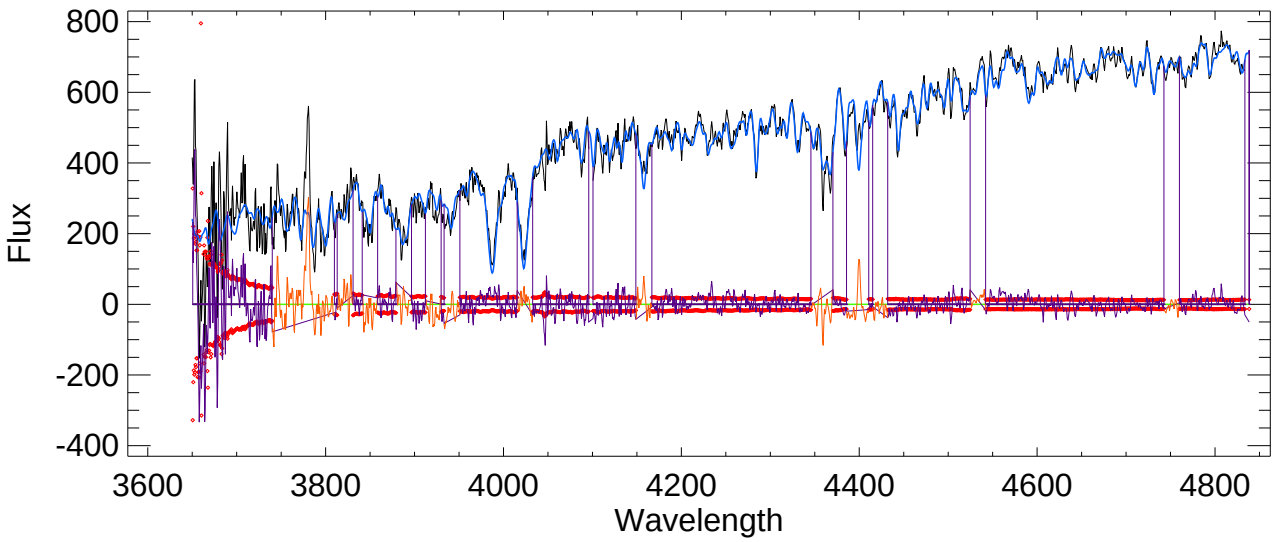

1500
1000
500
0
-500
-1000
Flux
3600
3800
4000
4200
4400
4600
4800
Wavelength

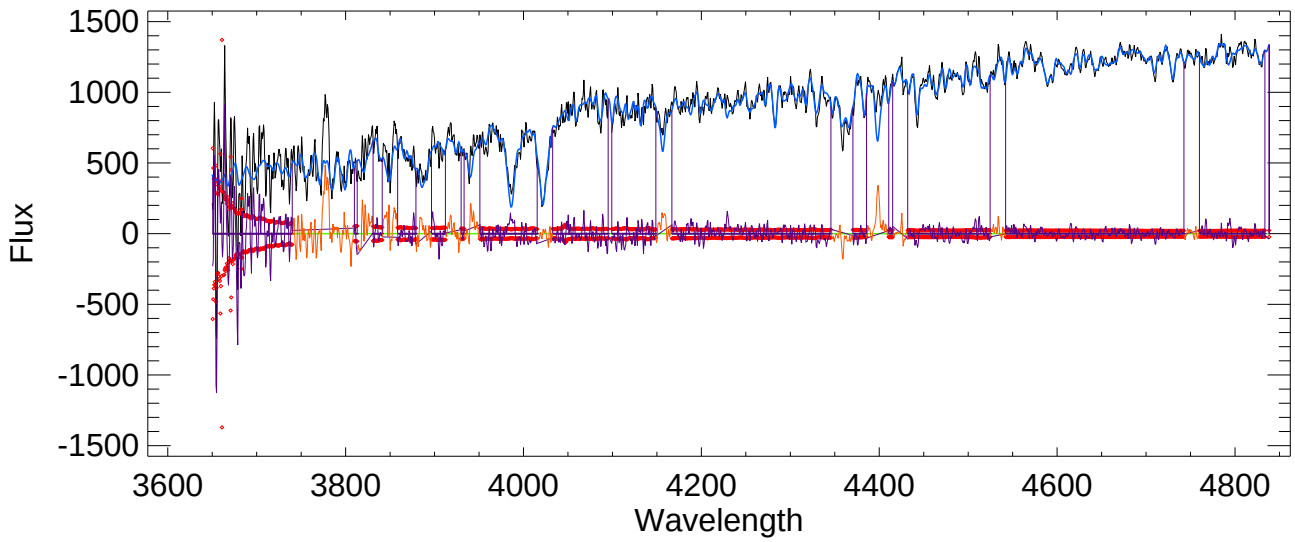

1500
1000
500
0
-500
-1000
Flux
3600
3800
4000
4200
4400
4600
4800
Wavelength

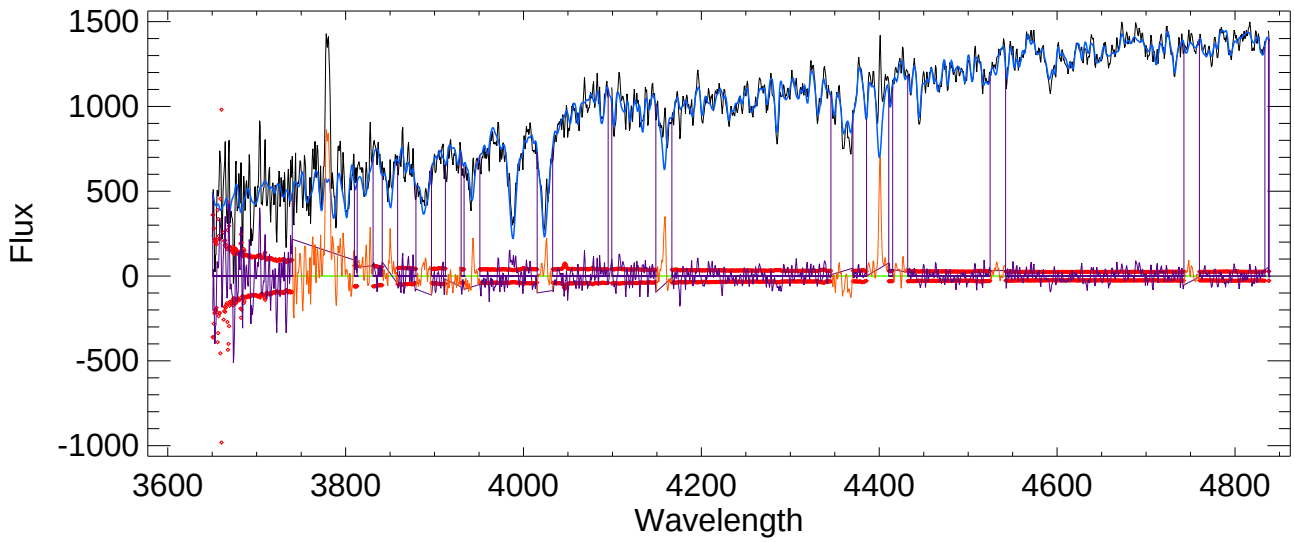

1500
1000
500
0
-500
-1000
Flux
3600
3800
4000
4200
4400
4600
4800
Wavelength

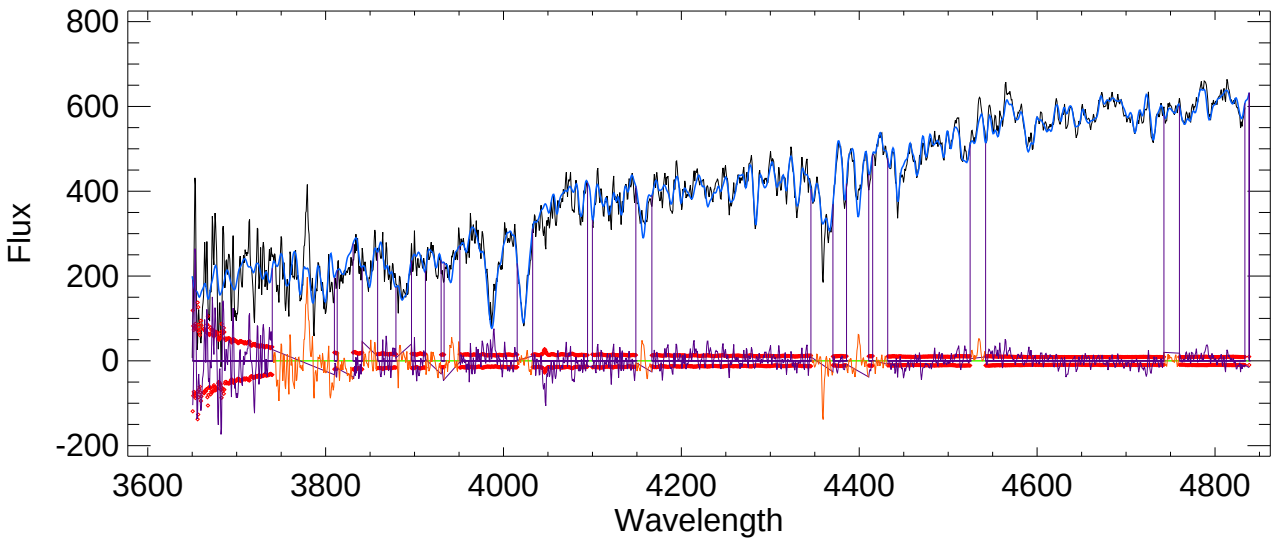

1500
1000
500
0
-500
Flux
3600
3800
4000
4200
4400
4600
4800
Wavelength

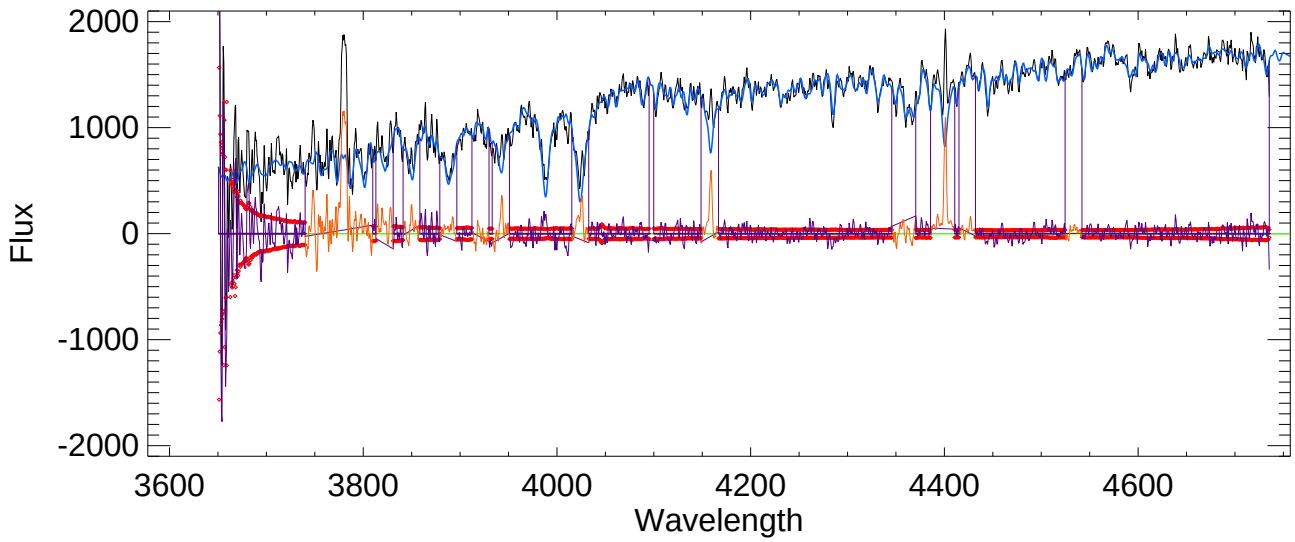

1500
1000
500
0
-500
-1000
-1500
Flux
3600
3800
4000
4200
4400
4600
Wavelength

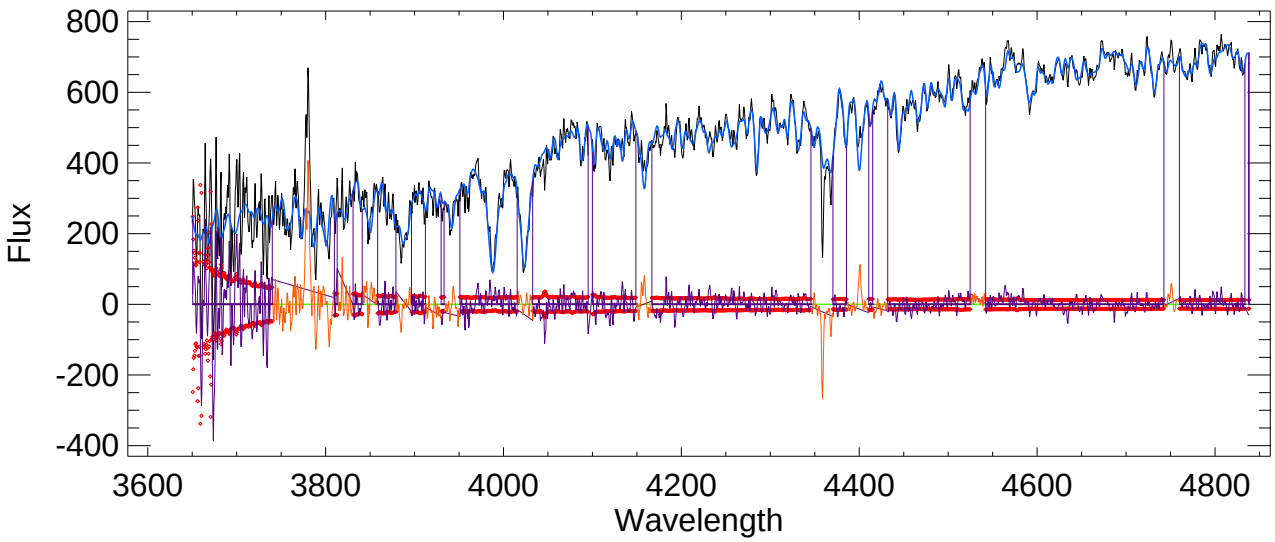

800
600
400
200
0
-200
-400
Flux
3600
3800
4000
4200
4400
4600
4800
Wavelength

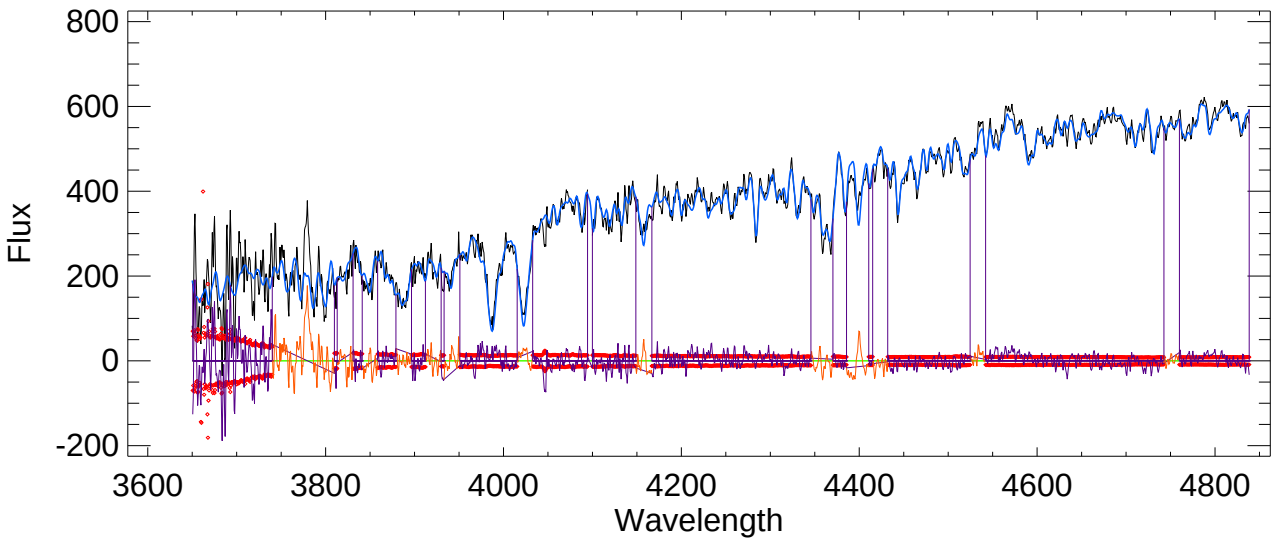

1500
1000
500
0
-500
-1000
-1500
Flux
3600
3800
4000
4200
4400
4600
4800
Wavelength

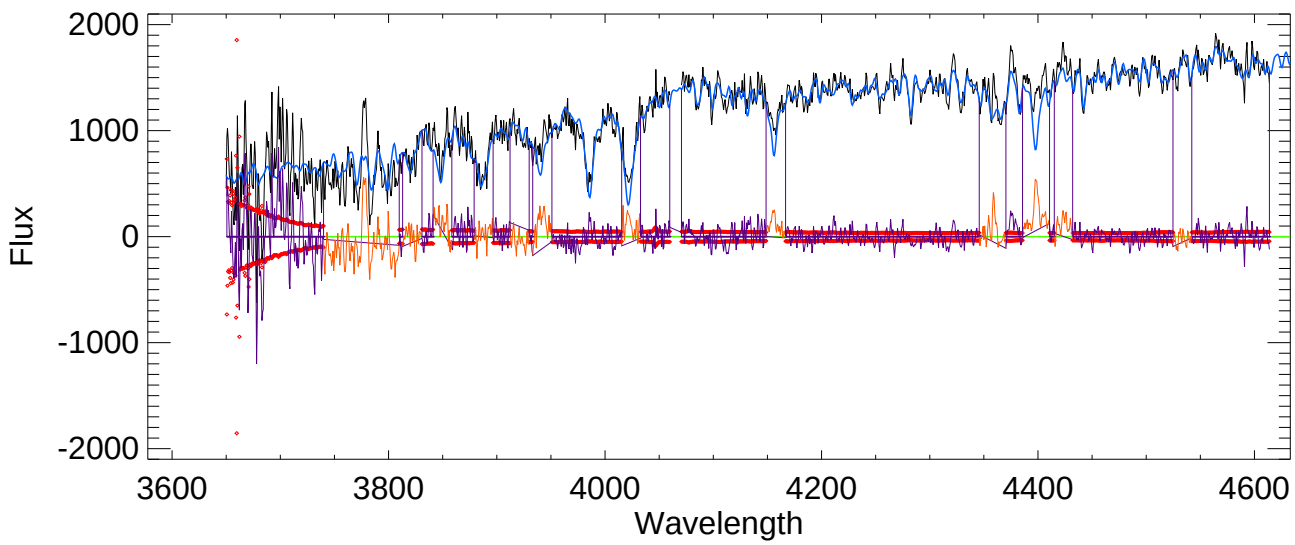

1500
1000
500
0
-500
-1000
Flux
3600
3800
4000
4200
4400
4600
4800
Wavelength

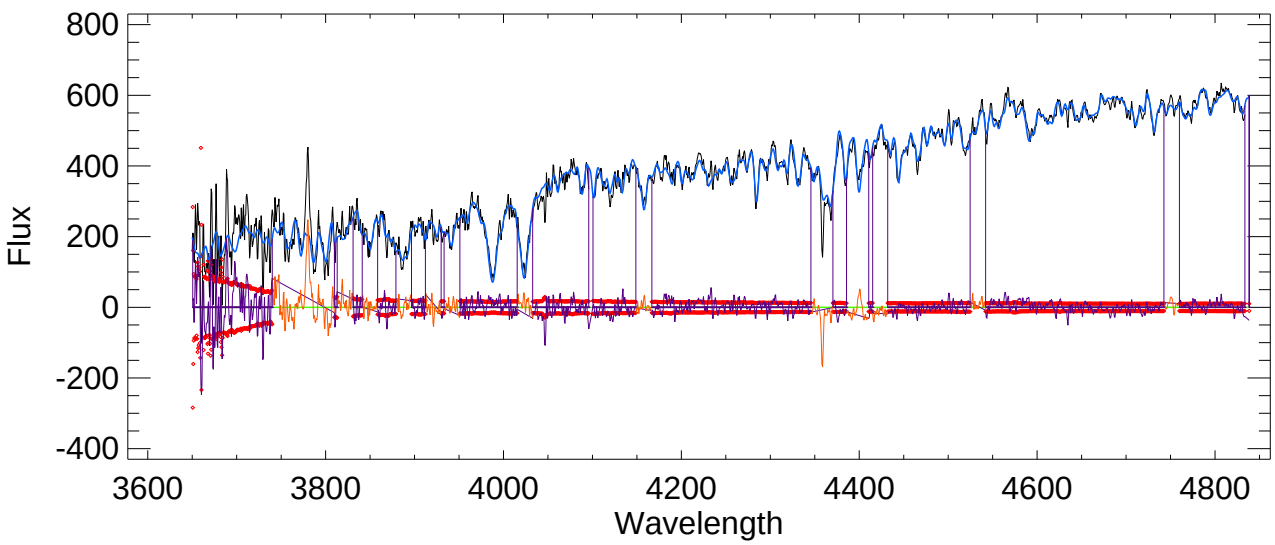

800
600
400
200
0
-200
Flux
3600
3800
4000
4200
4400
4600
4800
Wavelength

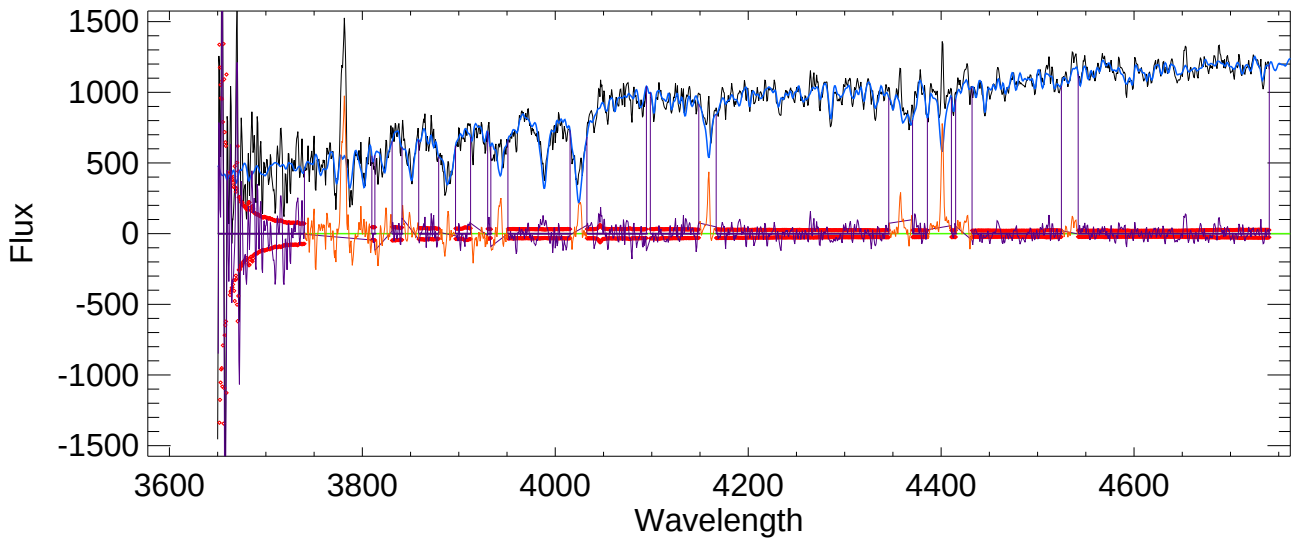

2000
1000
0
-1000
-2000
Flux
3600
3800
4000
4200
4400
4600
Wavelength

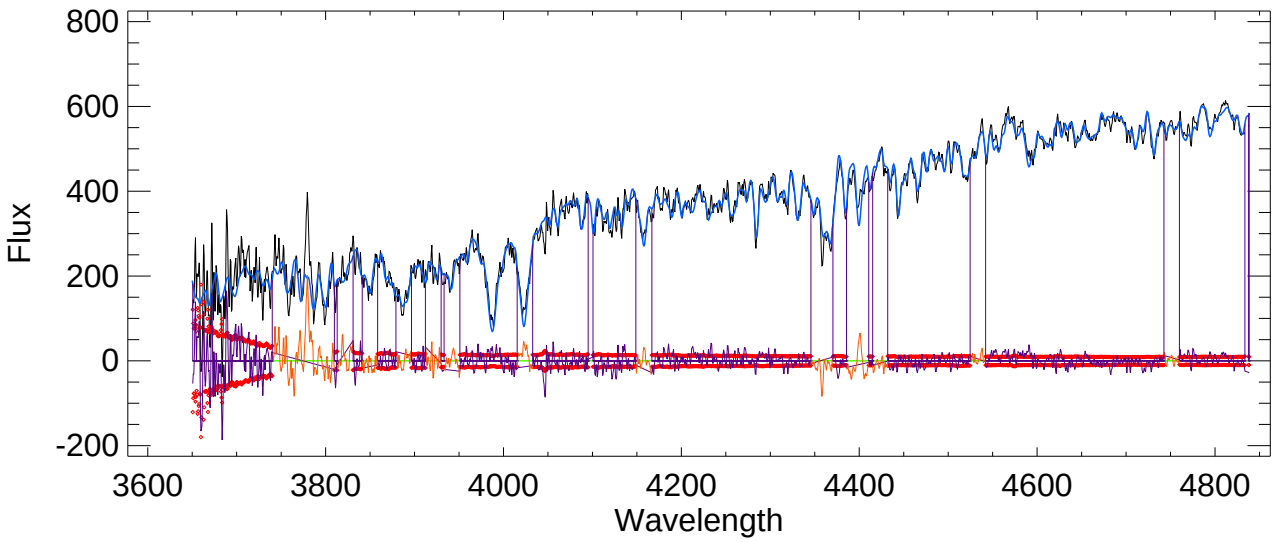

800
600
400
200
0
-200
-400
Flux
3600
3800
4000
4200
4400
4600
4800
Wavelength

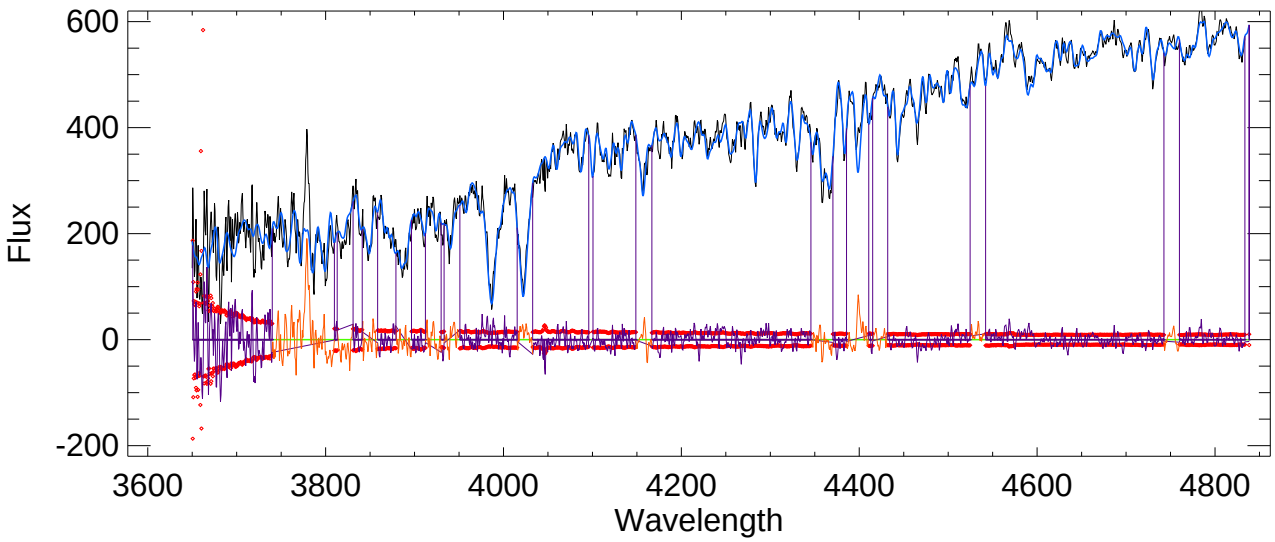

800
600
400
200
0
-200
Flux
3600
3800
4000
4200
4400
4600
4800
Wavelength

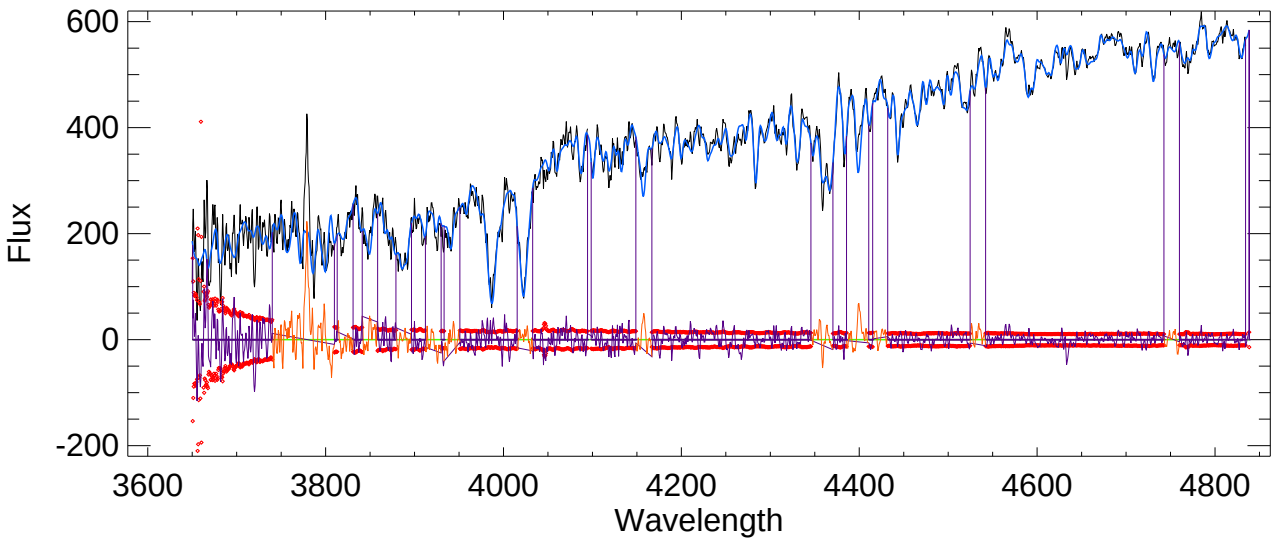

2000
1000
0
-1000
-2000
Flux
3600
3800
4000
4200
4400
4600
Wavelength

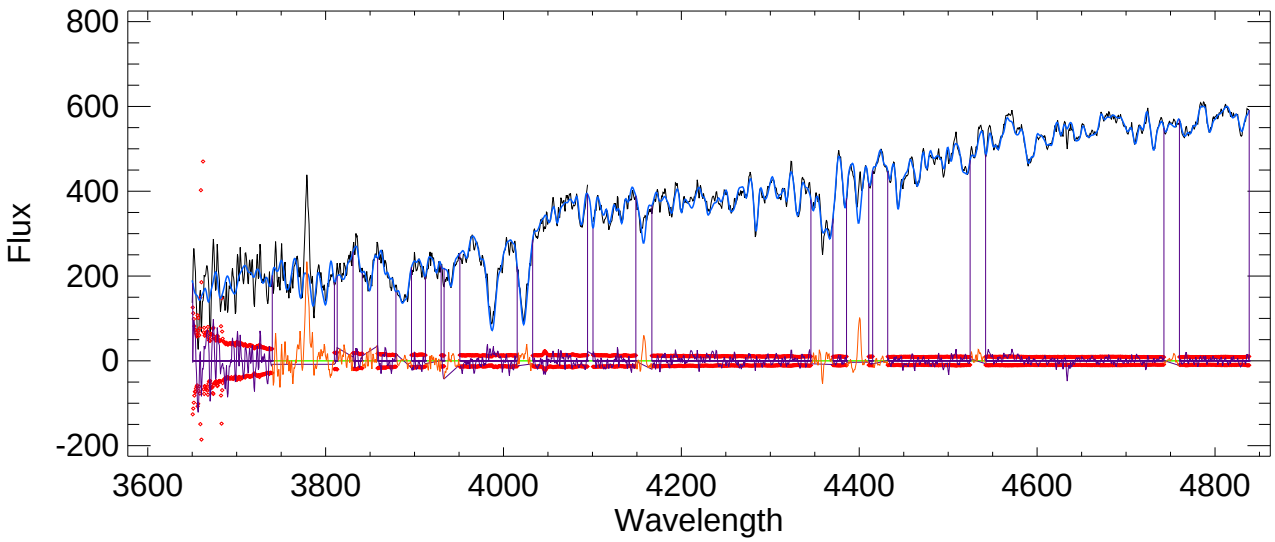

800
600
400
200
0
-200
-400
Flux
3600
3800
4000
4200
4400
4600
4800
Wavelength

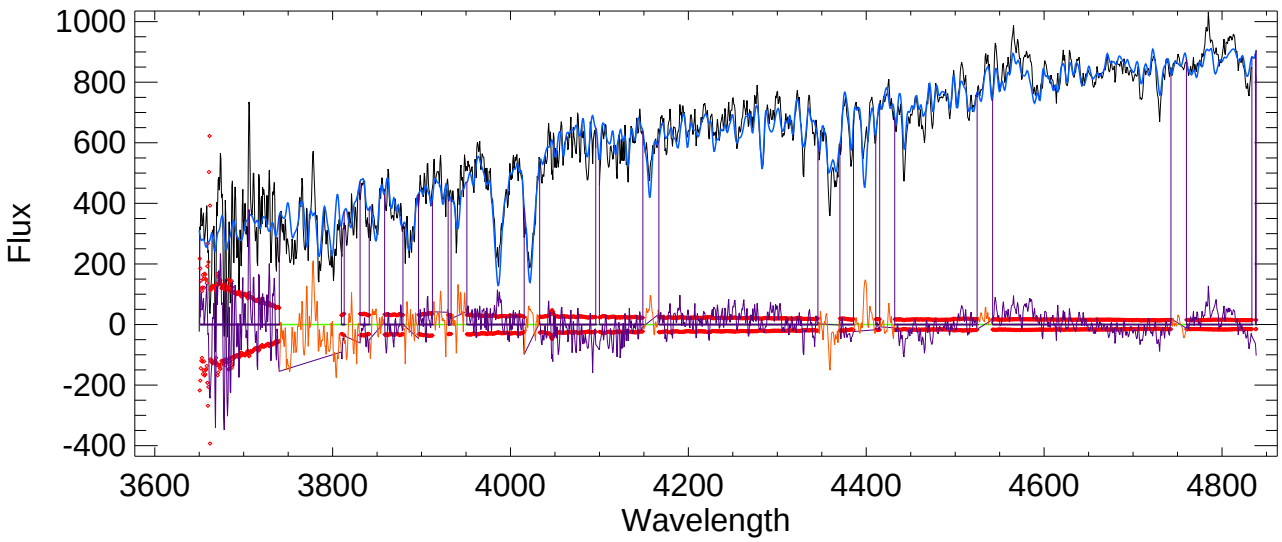

1500
1000
500
0
-500
-1000
-1500
Flux
3600
3800
4000
4200
4400
4600
Wavelength

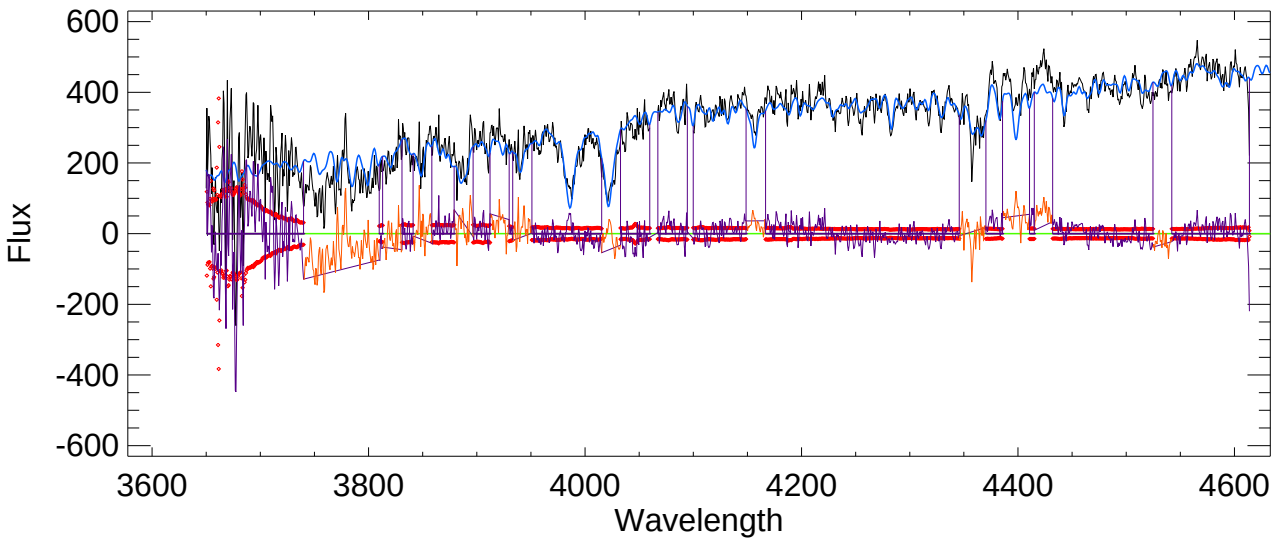

800
600
400
200
0
-200
Flux
3600
3800
4000
4200
4400
4600
4800
Wavelength

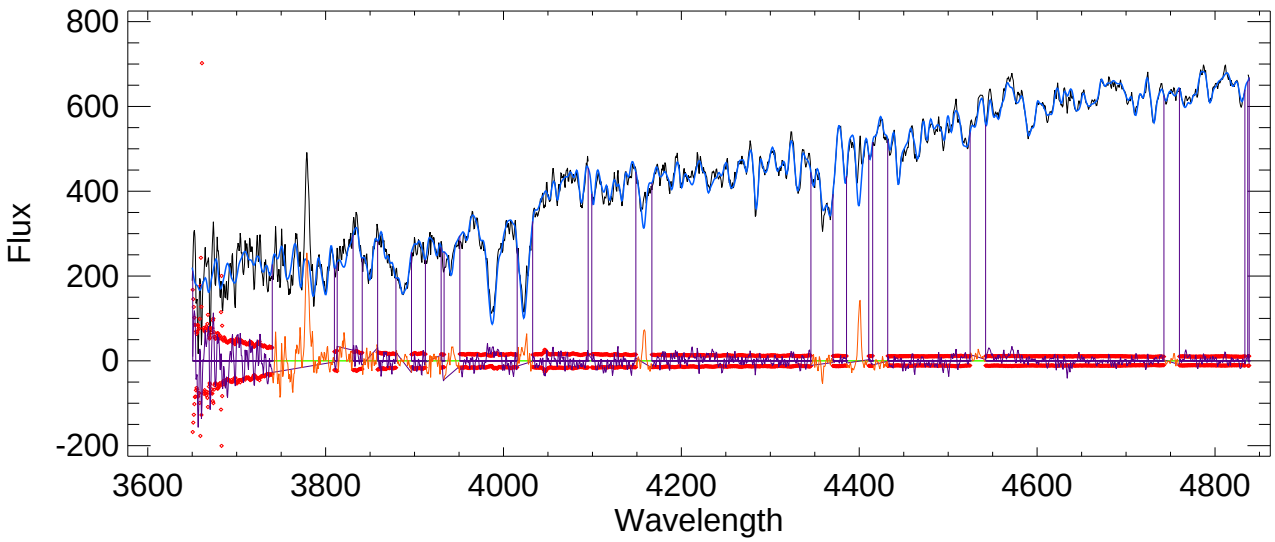

600
400
200
0
-200
Flux
3600
3800
4000
4200
4400
4600
4800
Wavelength

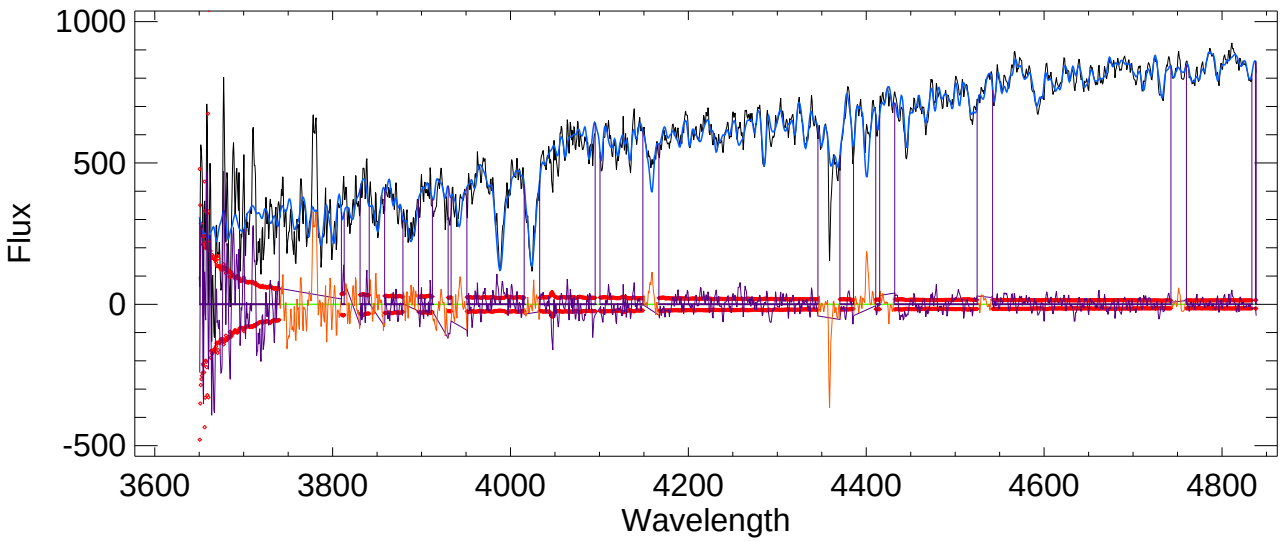

600
400
200
0
-200
Flux
3600
3800
4000
4200
4400
4600
4800
Wavelength

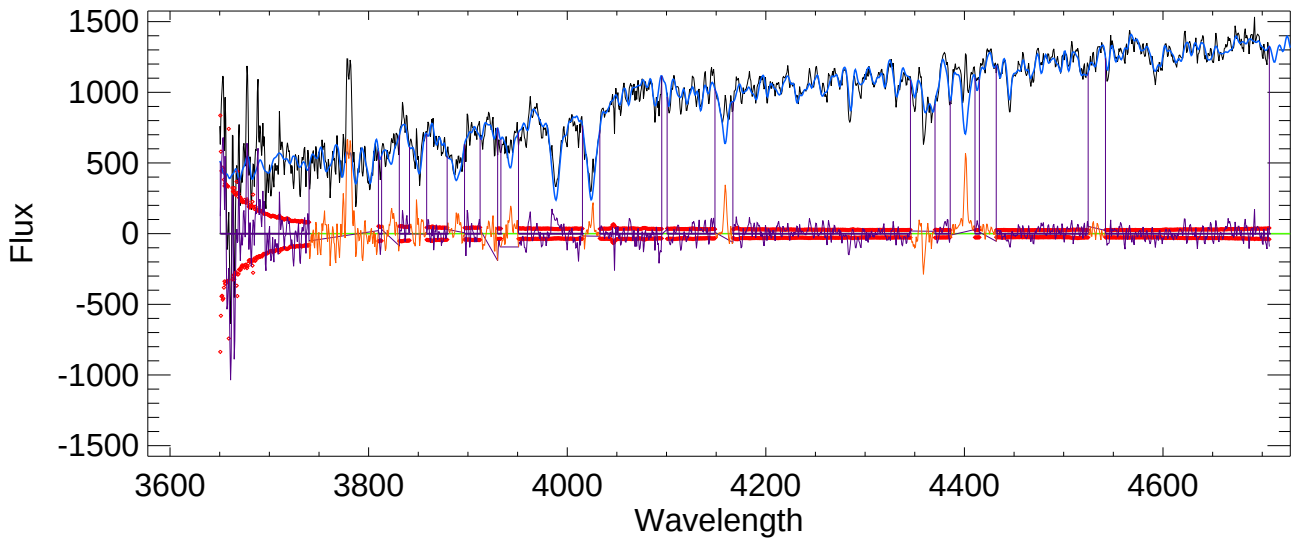

800
600
400
200
0
-200
Flux
3600
3800
4000
4200
4400
4600
4800
Wavelength

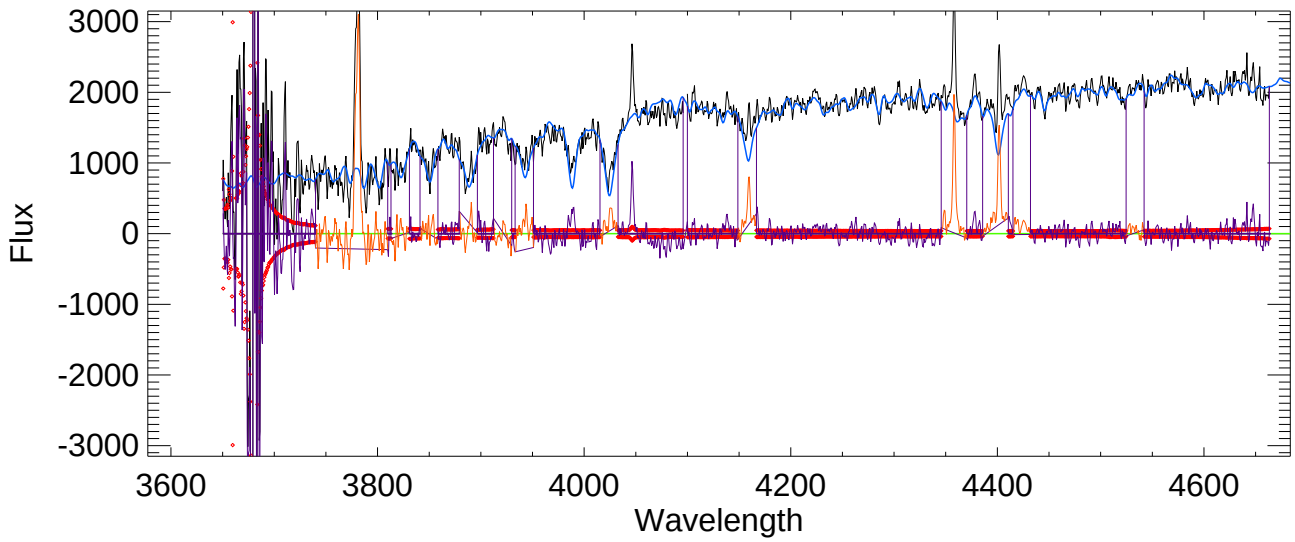

1000
800
600
400
200
0
-200
-400
Flux
3600
3800
4000
4200
4400
4600
4800
Wavelength

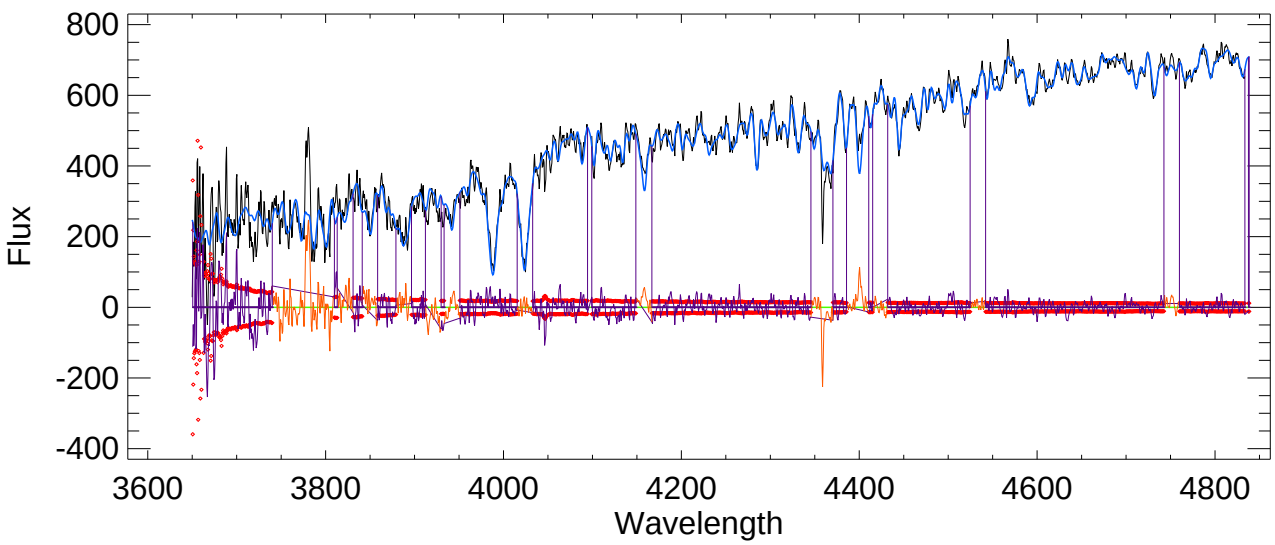

600
400
200
0
-200
-400
-600
Flux
3600
3800
4000
4200
4400
4600
Wavelength

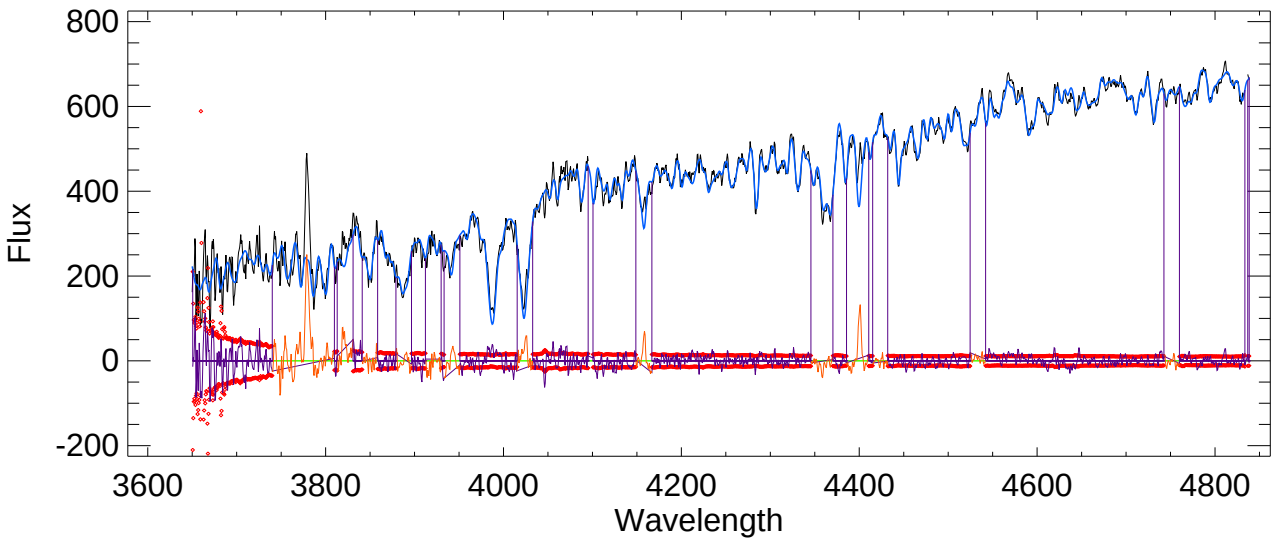

800
600
400
200
0
-200
Flux
3600
3800
4000
4200
4400
4600
4800
Wavelength

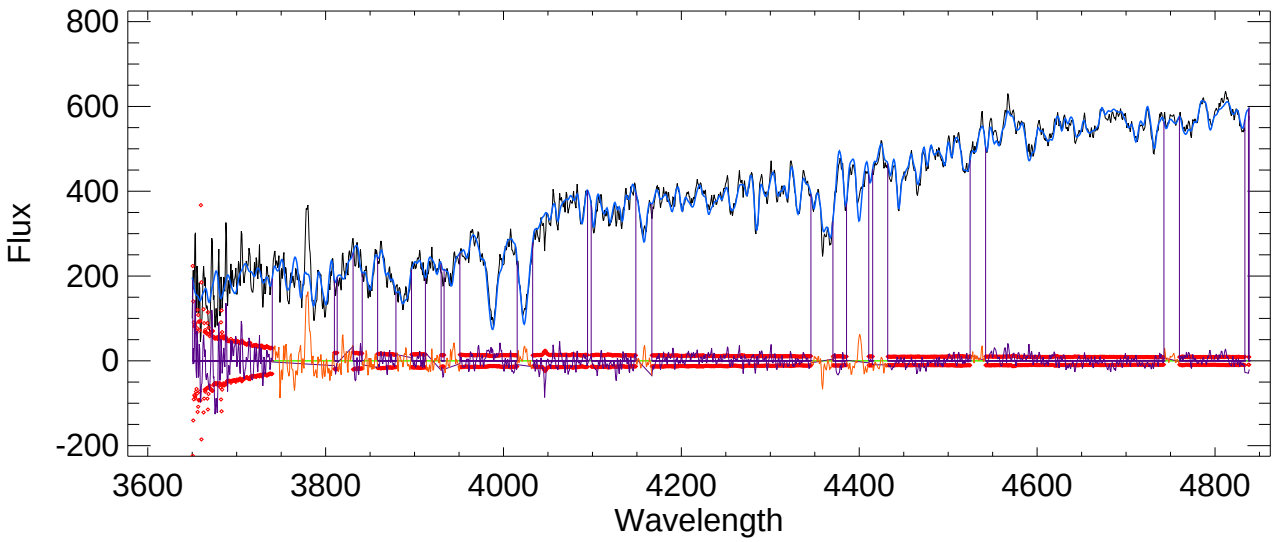

1000
500
0
-500
Flux
3600
3800
4000
4200
4400
4600
4800
Wavelength

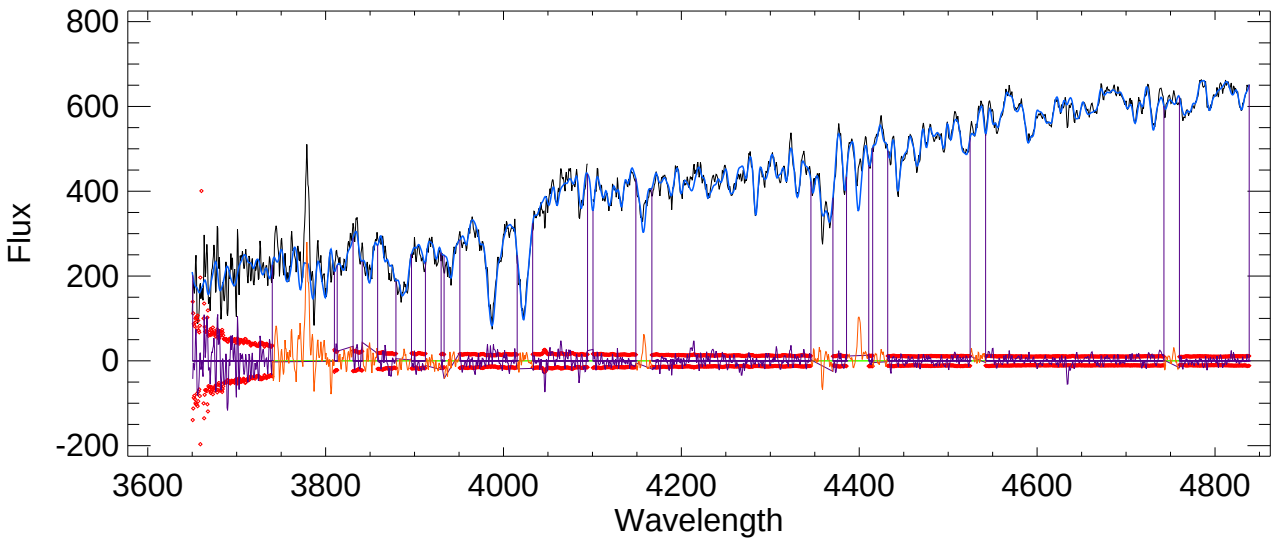

1500
1000
500
0
-500
-1000
-1500
Flux
3600
3800
4000
4200
4400
4600
Wavelength

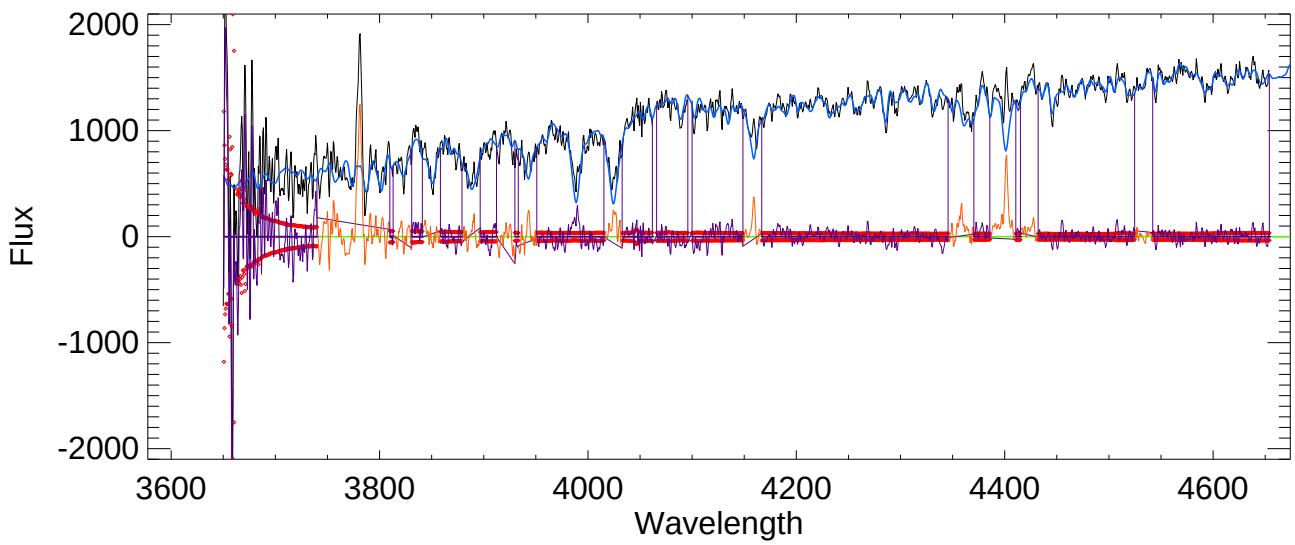

3000
2000
1000
0
-1000
-2000
-3000
Flux
3600
3800
4000
4200
4400
4600
Wavelength

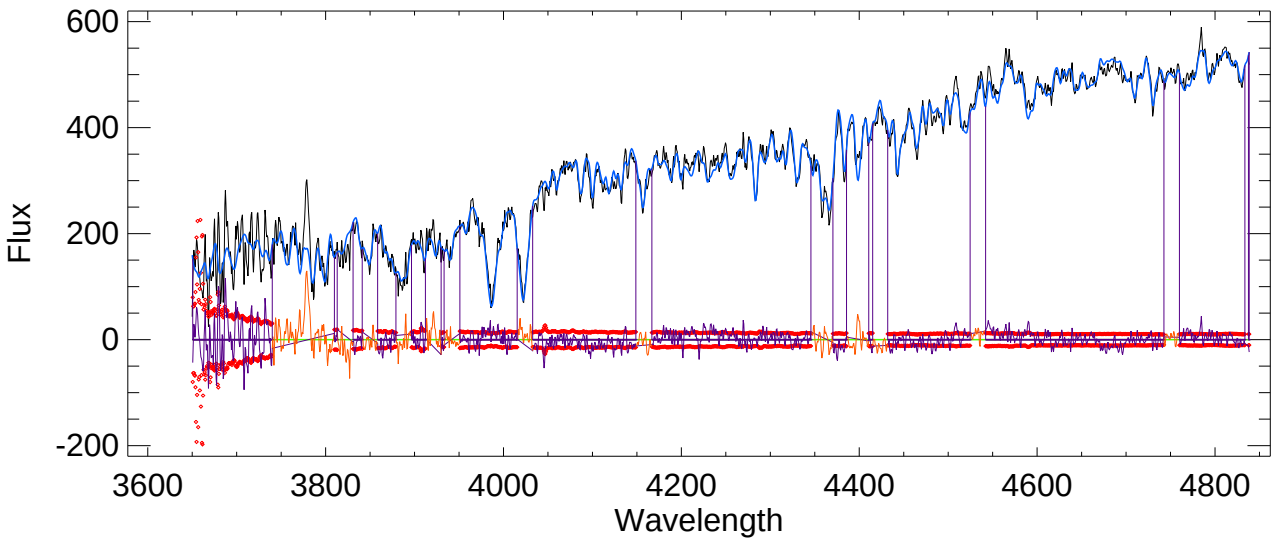

800
600
400
200
0
-200
-400
Flux
3600
3800
4000
4200
4400
4600
4800
Wavelength

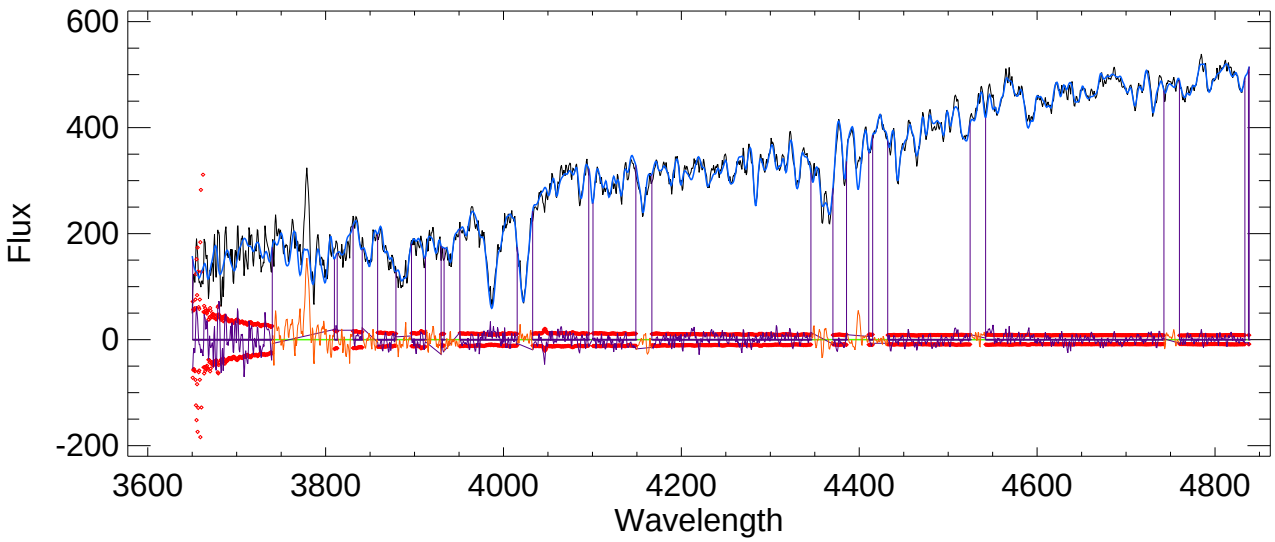

800
600
400
200
0
-200
Flux
3600
3800
4000
4200
4400
4600
4800
Wavelength

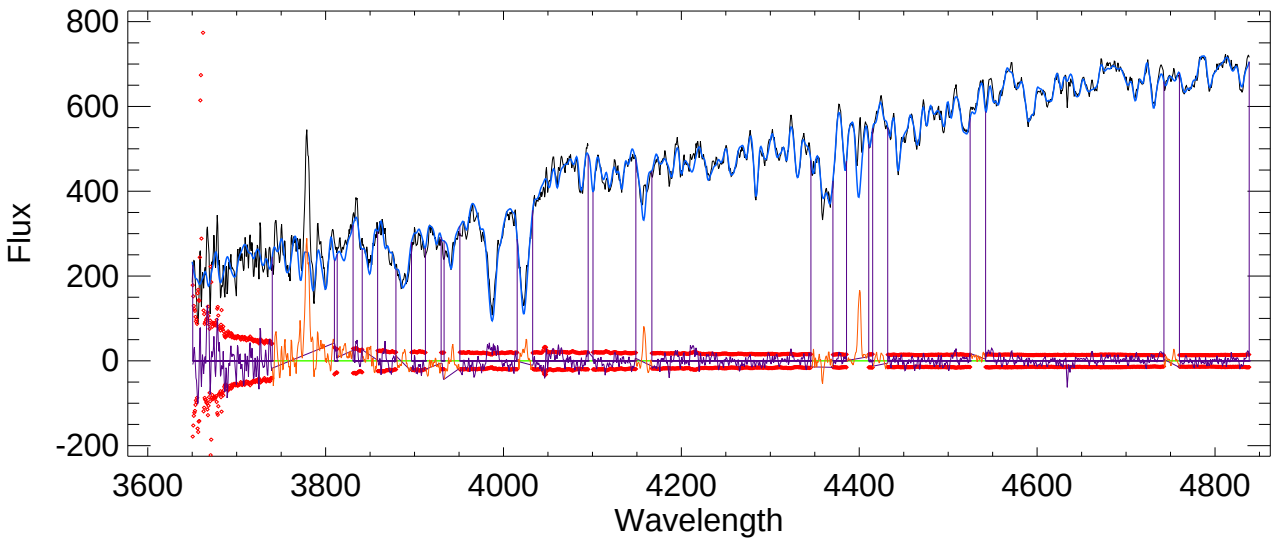

800
600
400
200
0
-200
Flux
3600
3800
4000
4200
4400
4600
4800
Wavelength

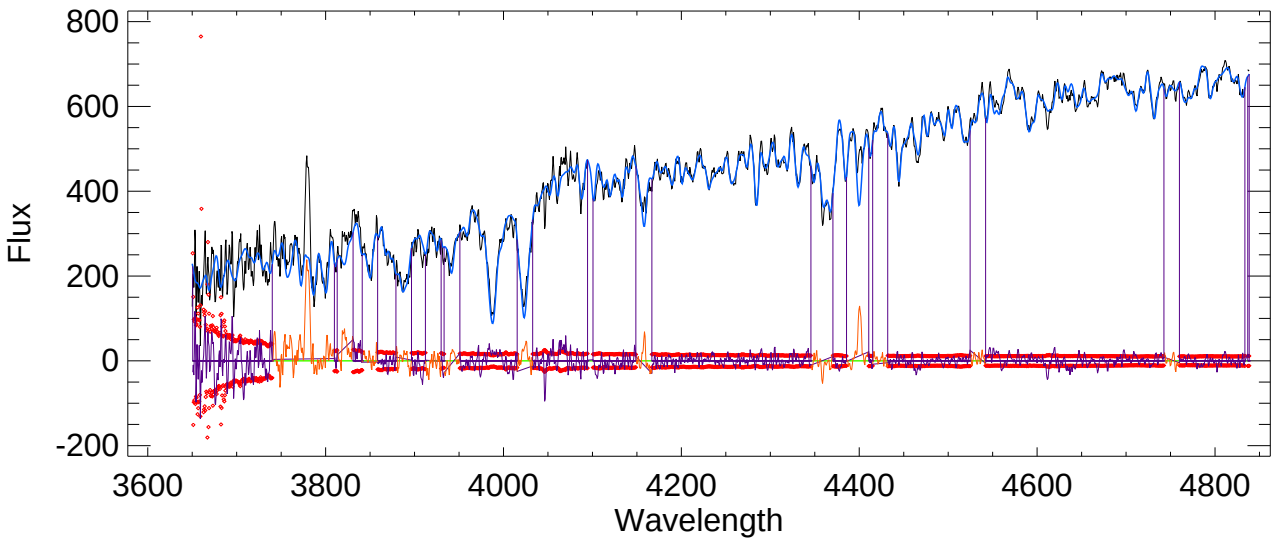

800
600
400
200
0
-200
Flux
3600
3800
4000
4200
4400
4600
4800
Wavelength

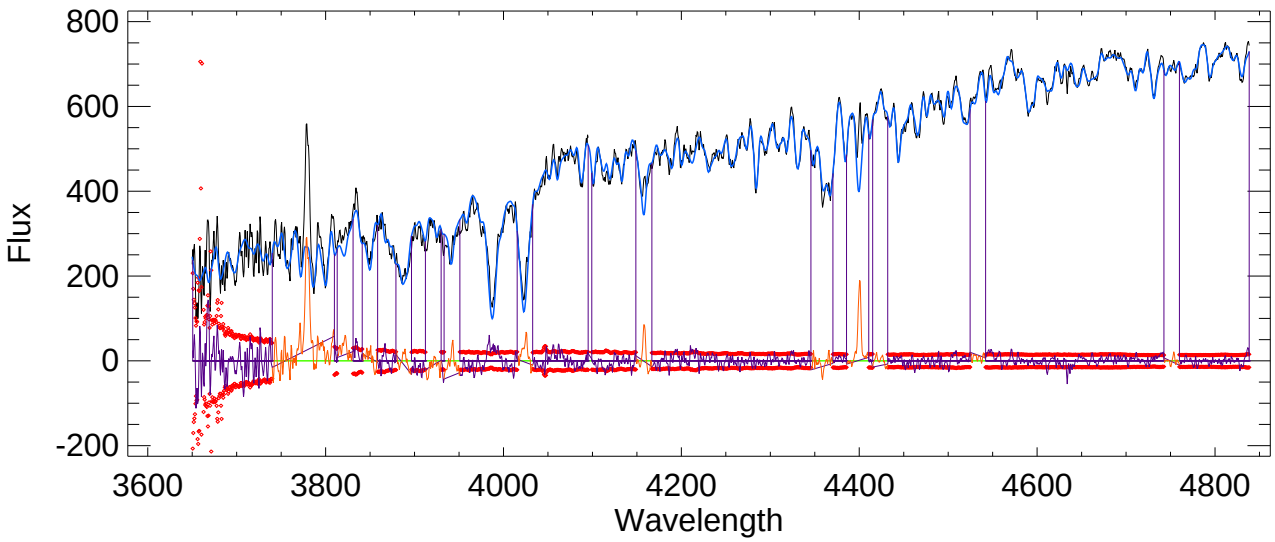

2000
1000
0
-1000
-2000
Flux
3600
3800
4000
4200
4400
4600
Wavelength

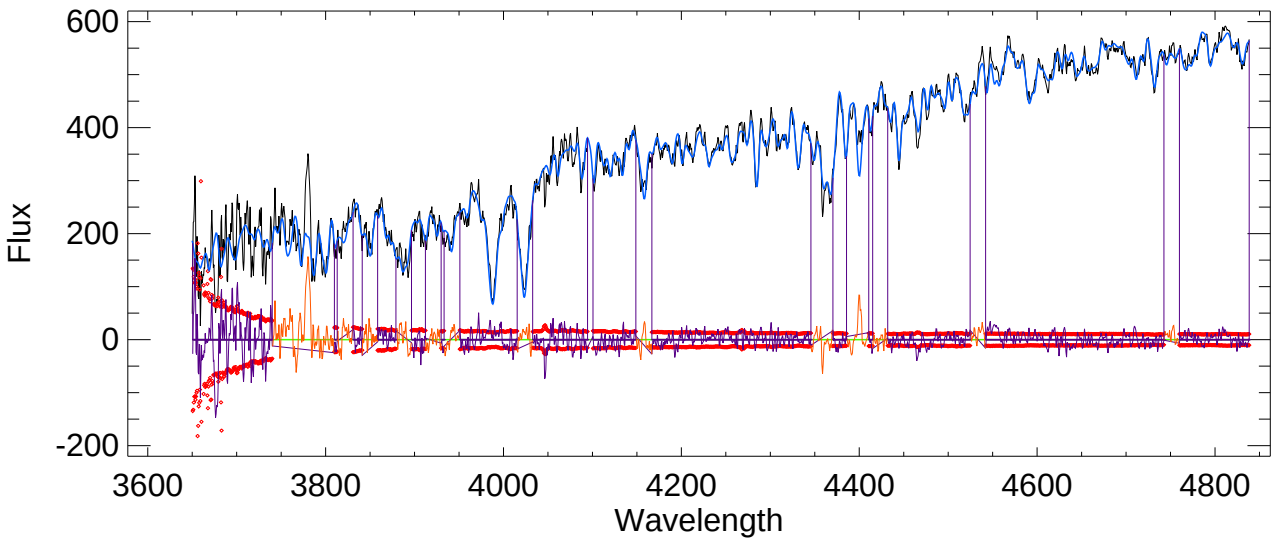

600
400
200
0
-200
Flux
3600
3800
4000
4200
4400
4600
4800
Wavelength

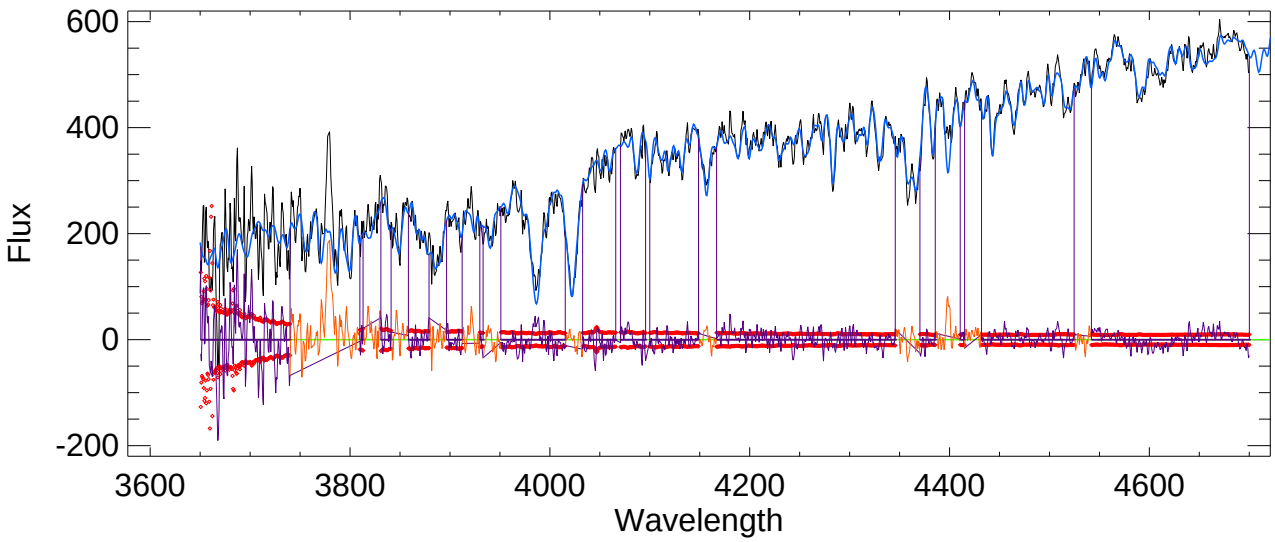

600
400
200
0
-200
Flux
3600
3800
4000
4200
4400
4600
4800
Wavelength

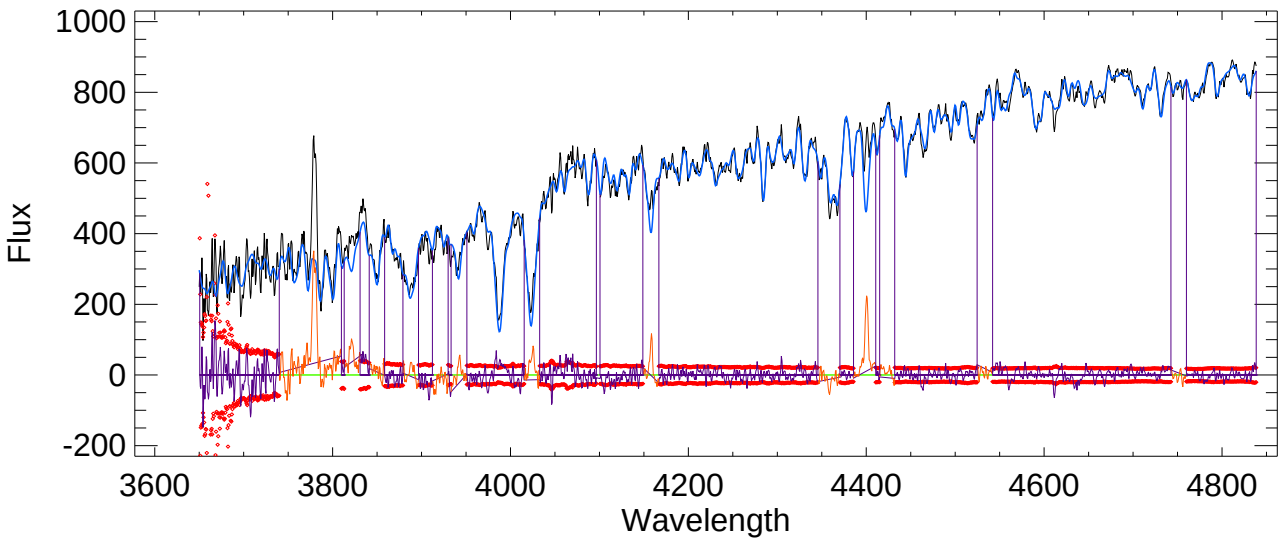

800
600
400
200
0
-200
Flux
3600
3800
4000
4200
4400
4600
4800
Wavelength

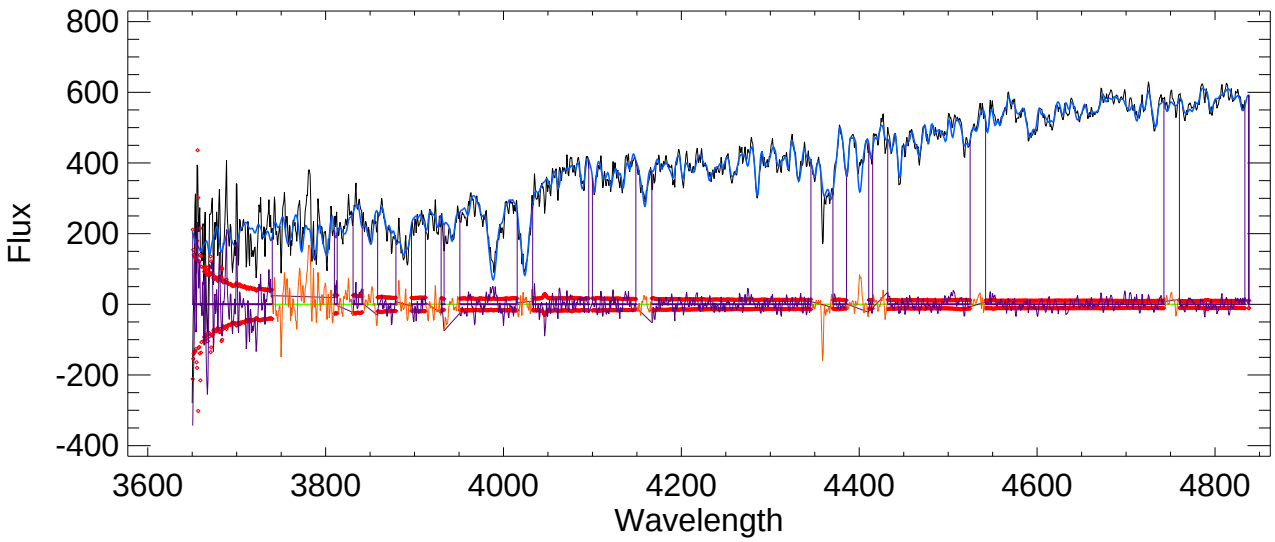

800
600
400
200
0
-200
Flux
3600
3800
4000
4200
4400
4600
4800
Wavelength

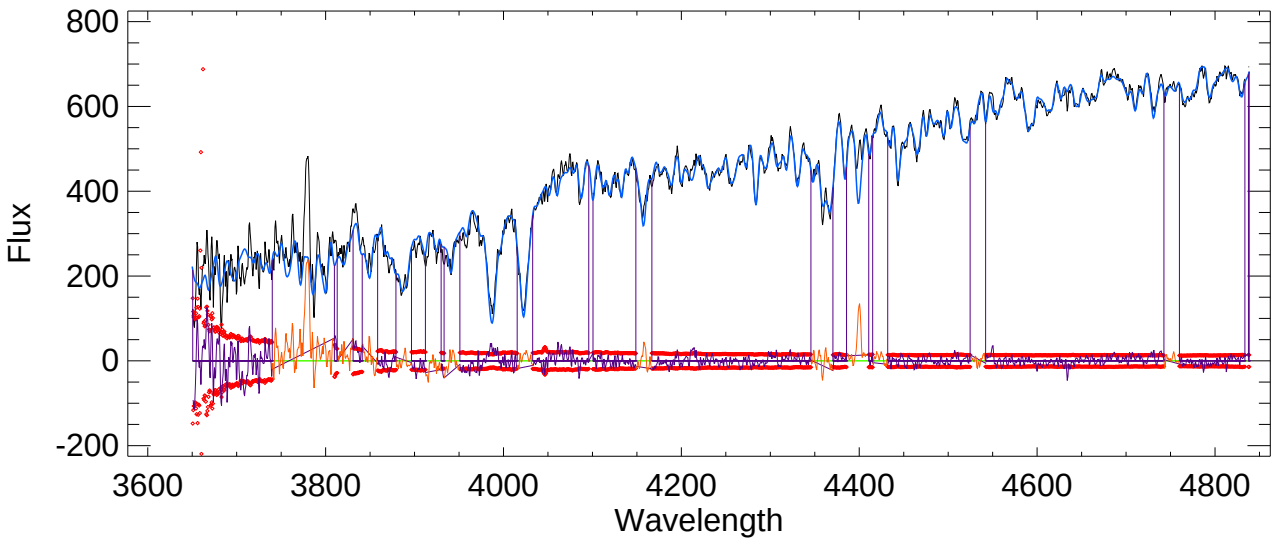

800
600
400
200
0
-200
Flux
3600
3800
4000
4200
4400
4600
4800
Wavelength

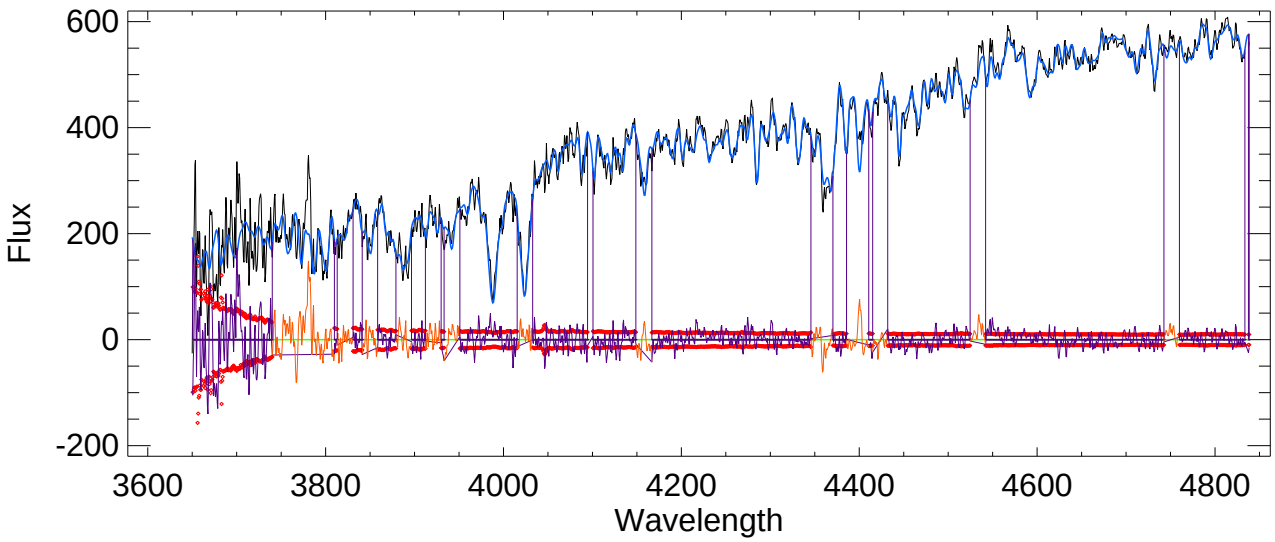

600
400
200
0
-200
Flux
3600
3800
4000
4200
4400
4600
4800
Wavelength

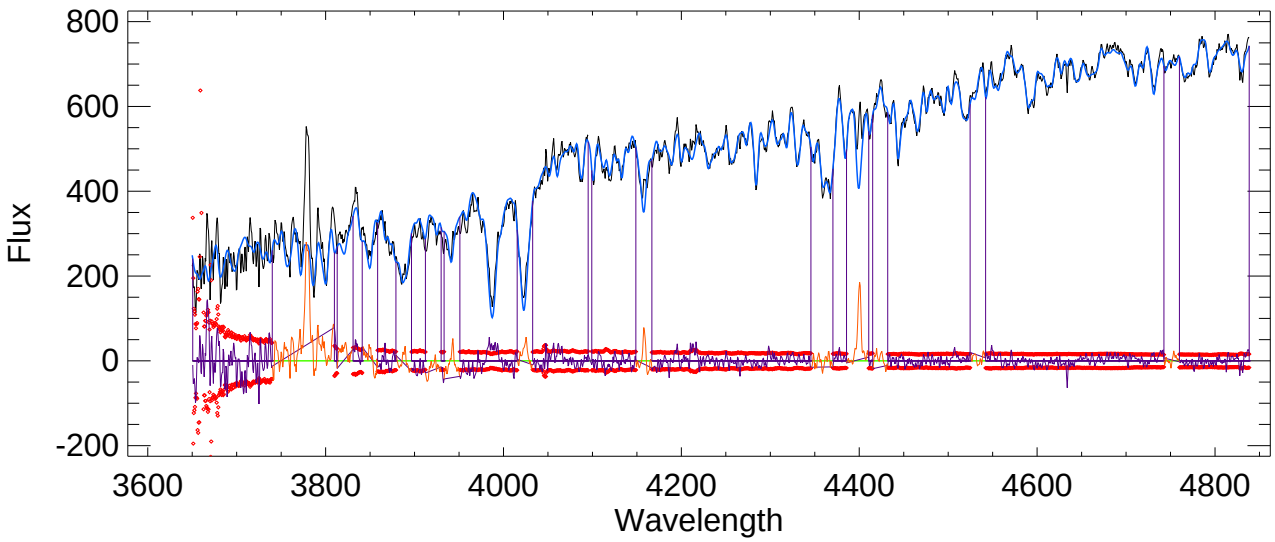

600
400
200
0
-200
Flux
3600
3800
4000
4200
4400
4600
Wavelength

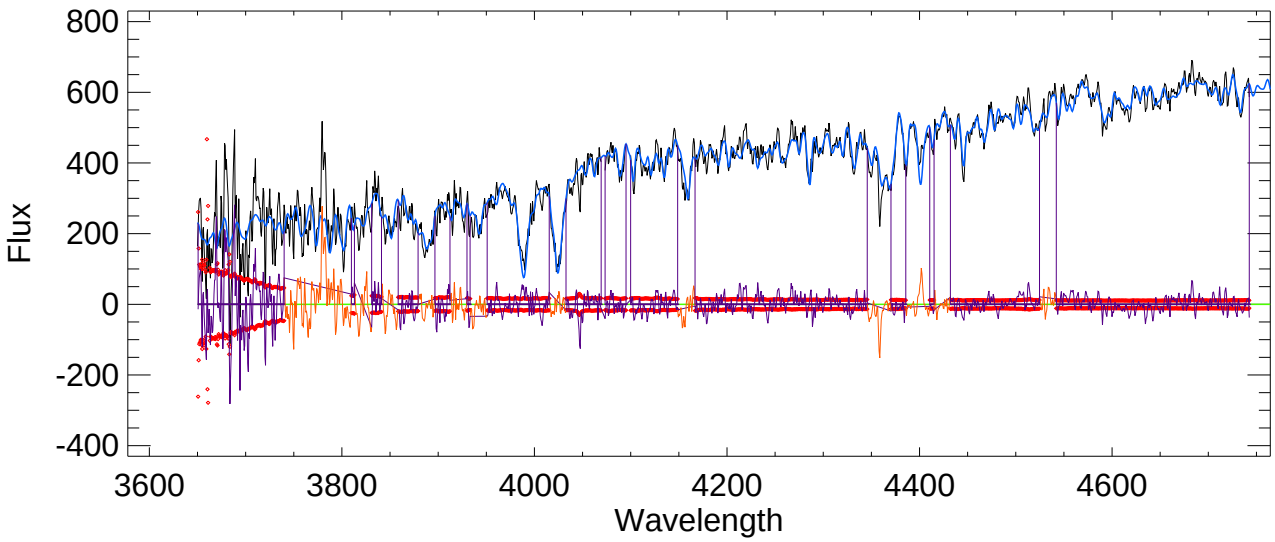

1000
800
600
400
200
0
-200
Flux
3600
3800
4000
4200
4400
4600
4800
Wavelength

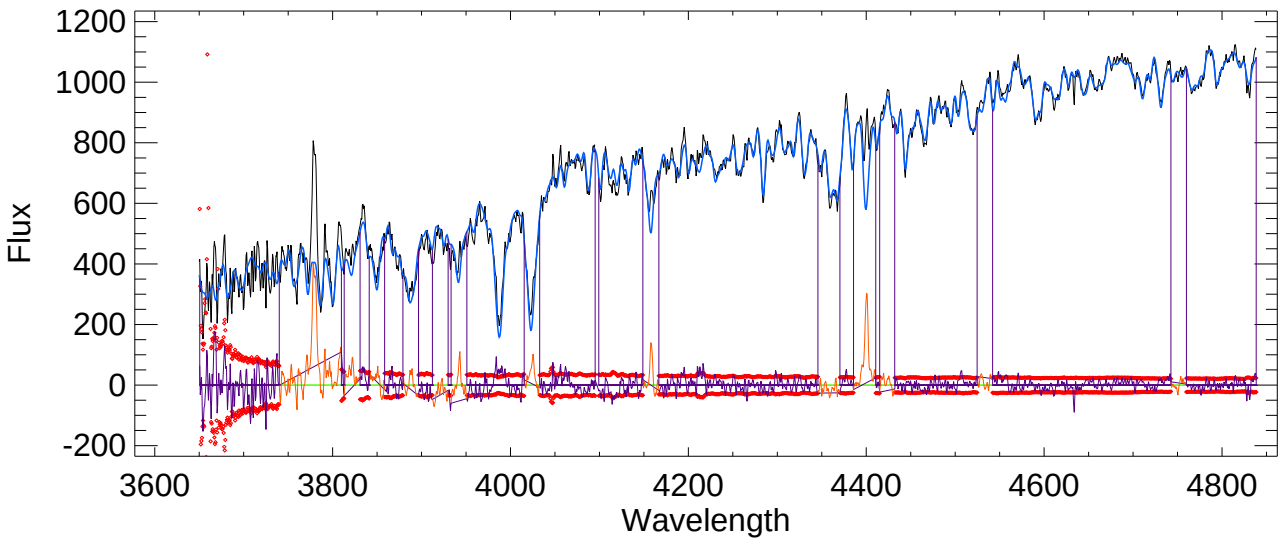

800
600
400
200
0
-200
-400
Flux
3600
3800
4000
4200
4400
4600
4800
Wavelength

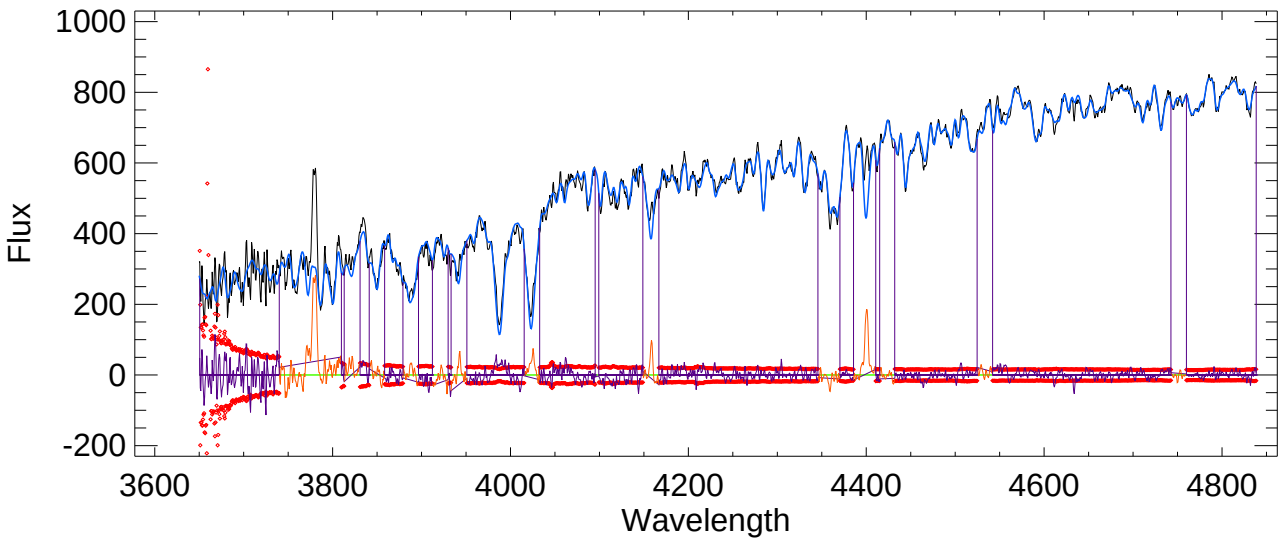

800
600
400
200
0
-200
Flux
3600
3800
4000
4200
4400
4600
4800
Wavelength

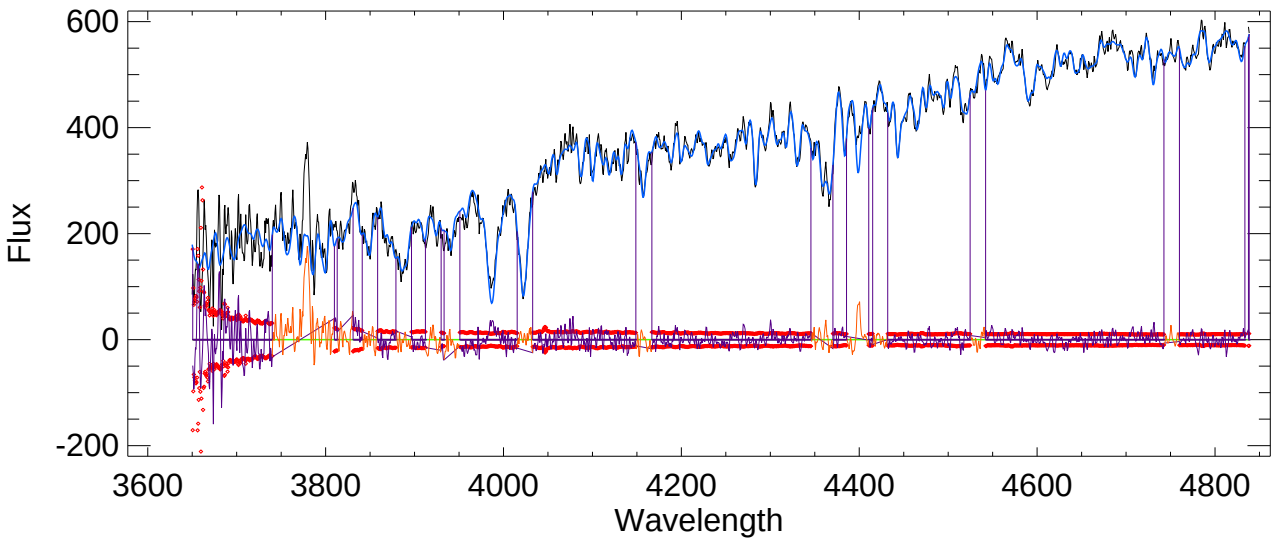

600
400
200
0
-200
Flux
3600
3800
4000
4200
4400
4600
4800
Wavelength

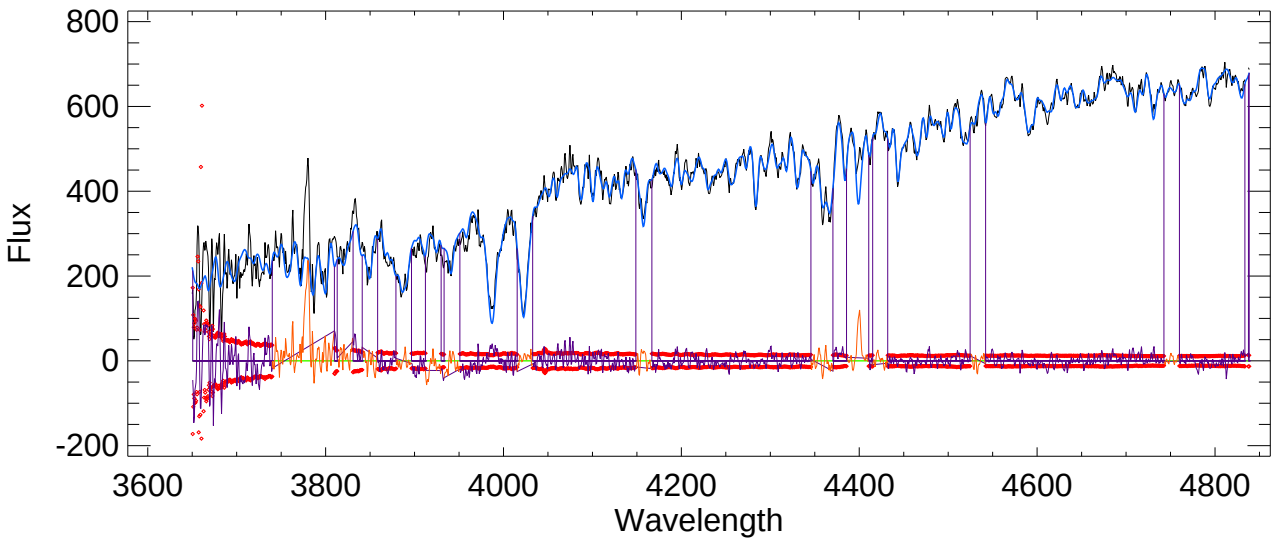

800
600
400
200
0
-200
Flux
3600
3800
4000
4200
4400
4600
4800
Wavelength

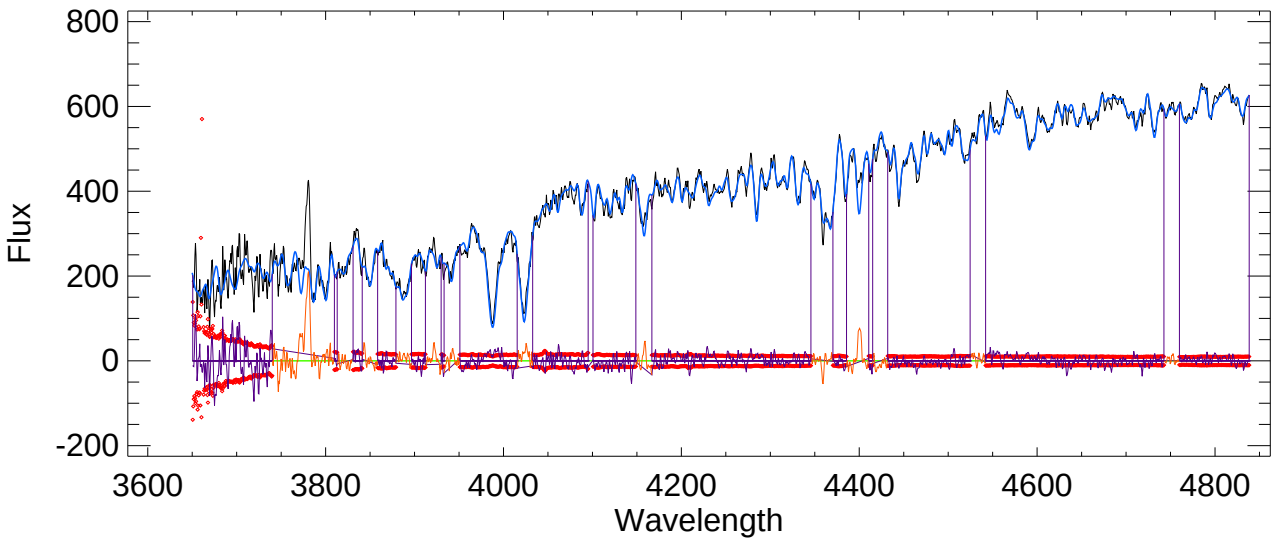

800
600
400
200
0
-200
-400
Flux
3600
3800
4000
4200
4400
4600
Wavelength

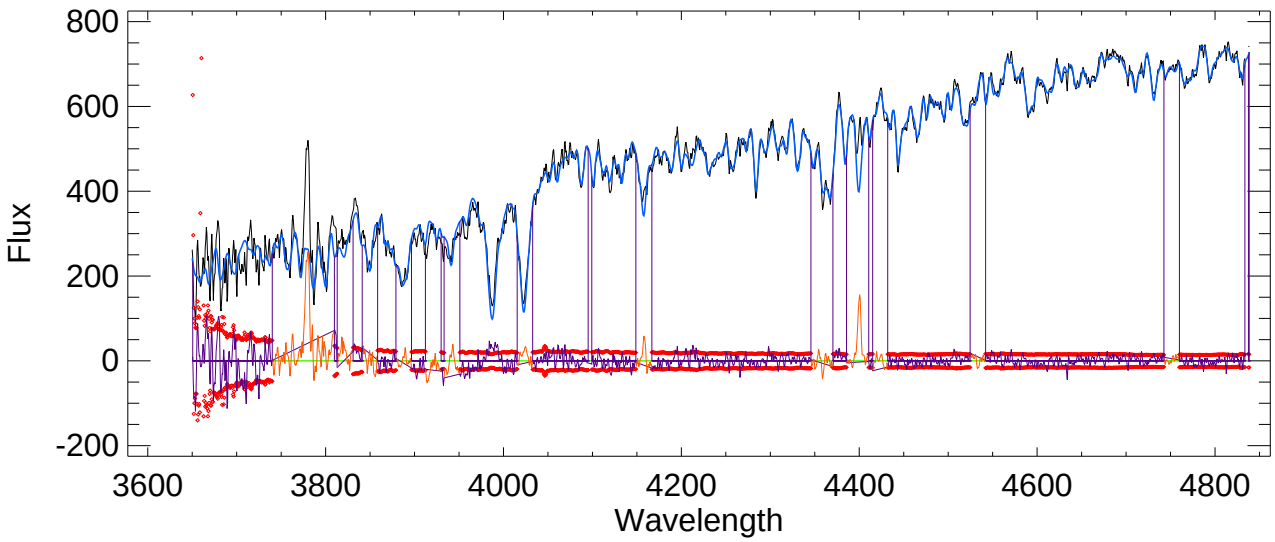

1200
1000
800
600
400
200
0
-200
Flux
3600
3800
4000
4200
4400
4600
4800
Wavelength

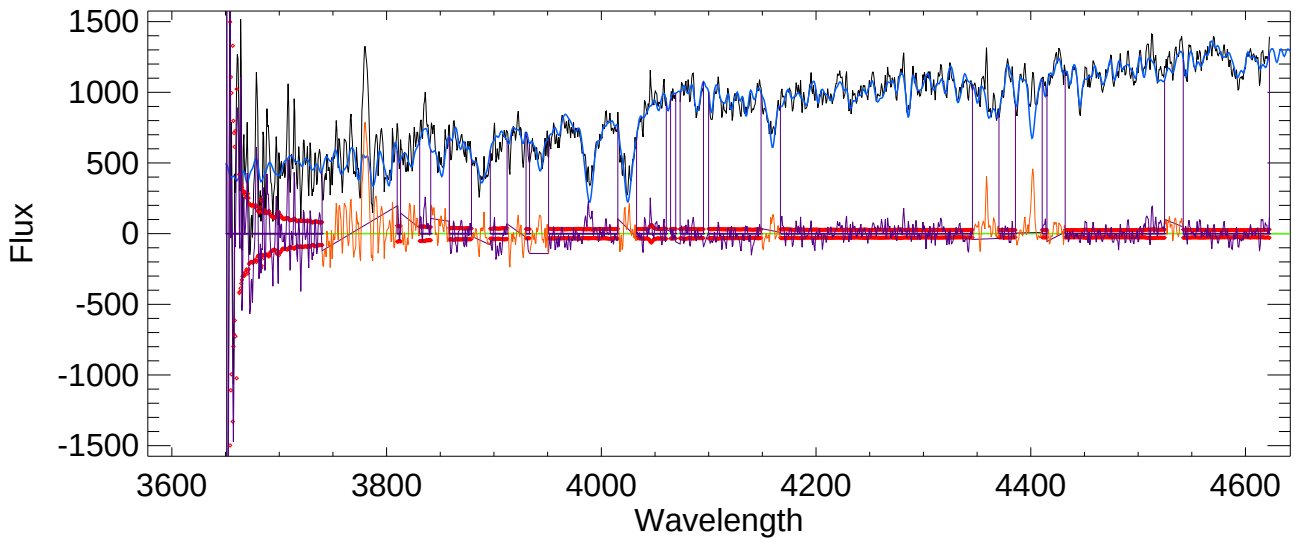

1000
800
600
400
200
0
-200
Flux
3600
3800
4000
4200
4400
4600
4800
Wavelength

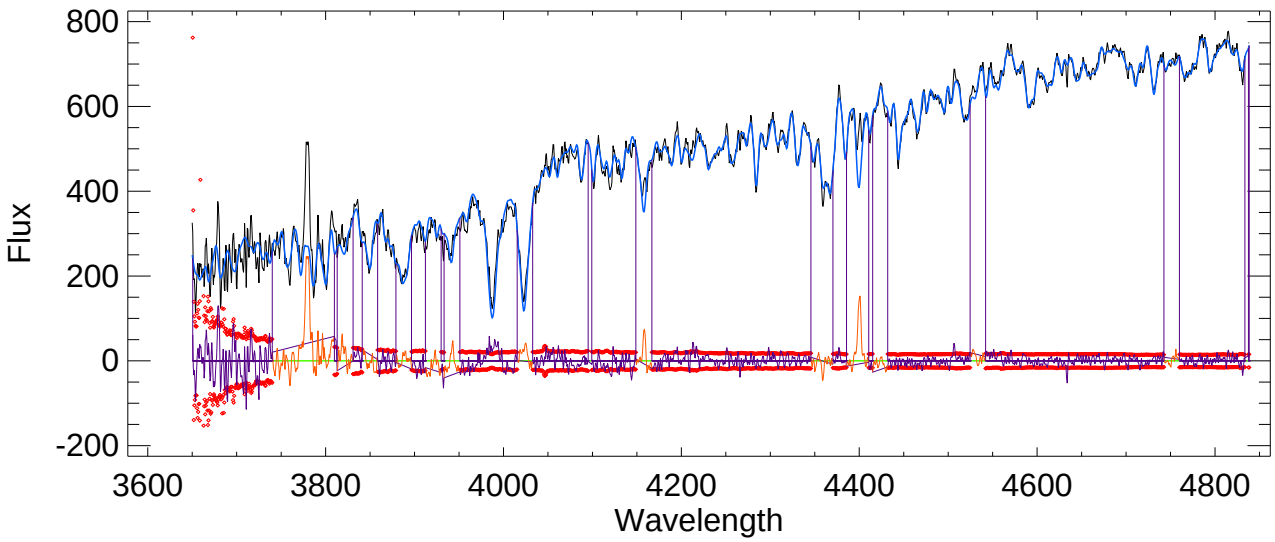

600
400
200
0
-200
Flux
3600
3800
4000
4200
4400
4600
4800
Wavelength

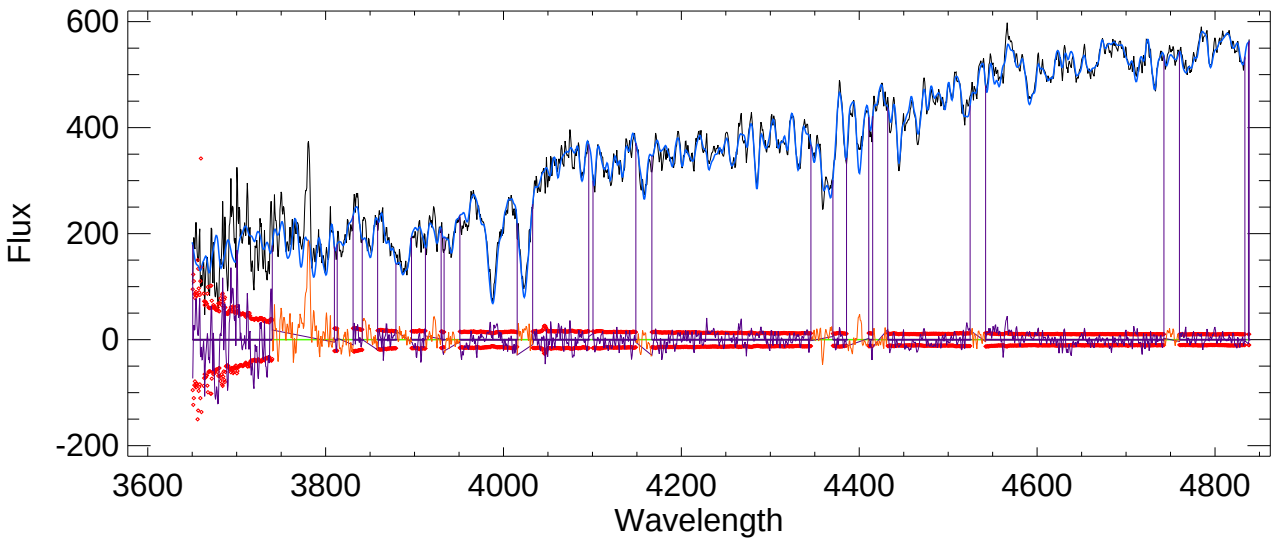

800
600
400
200
0
-200
Flux
3600
3800
4000
4200
4400
4600
4800
Wavelength

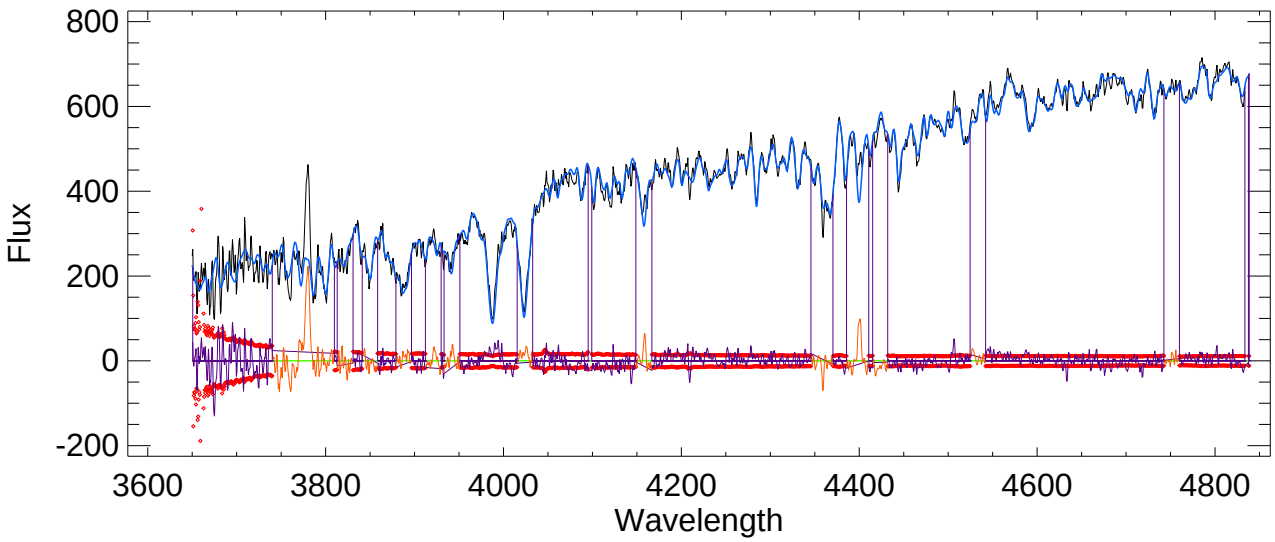

800
600
400
200
0
-200
Flux
3600
3800
4000
4200
4400
4600
4800
Wavelength

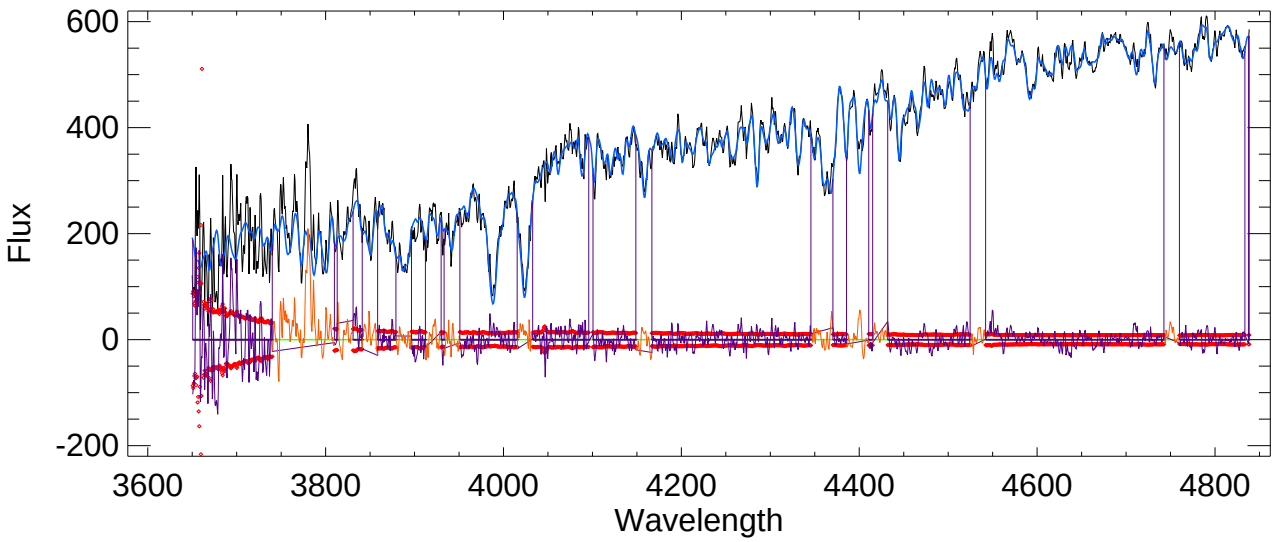

800
600
400
200
0
-200
Flux
3600
3800
4000
4200
4400
4600
4800
Wavelength

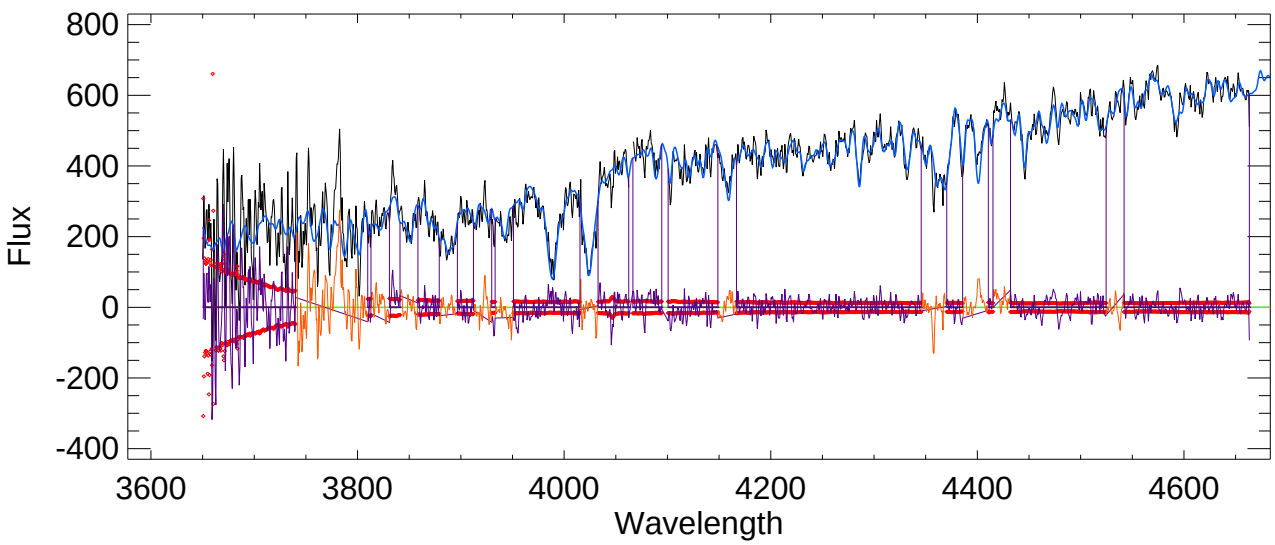

1500
1000
500
0
-500
-1000
-1500
Flux
3600
3800
4000
4200
4400
4600
Wavelength

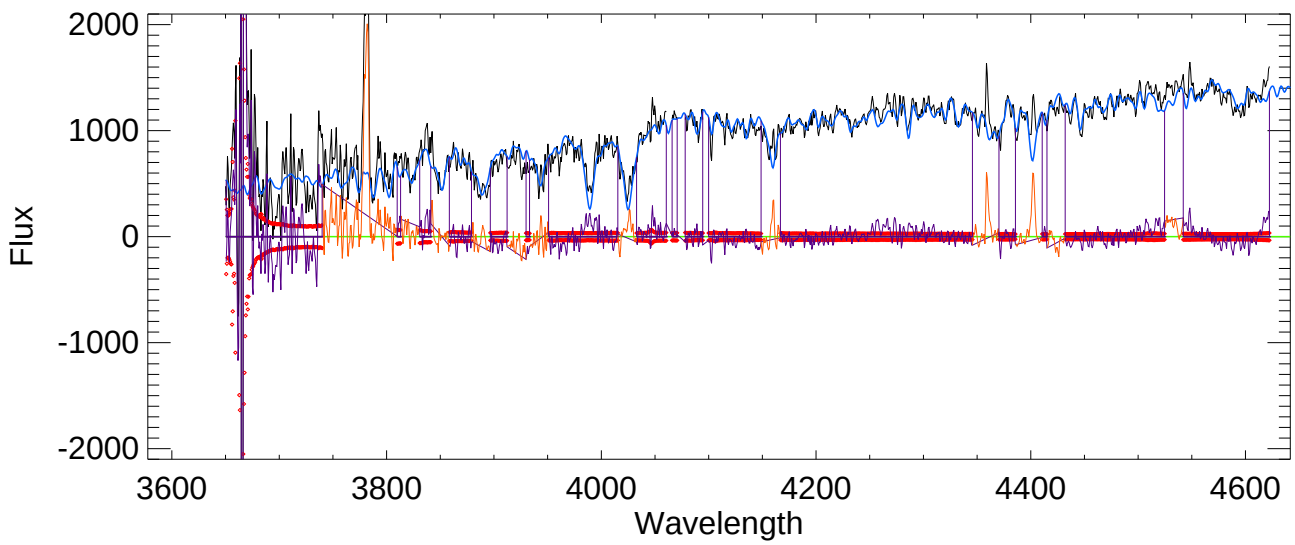

800
600
400
200
0
-200
Flux
3600
3800
4000
4200
4400
4600
4800
Wavelength

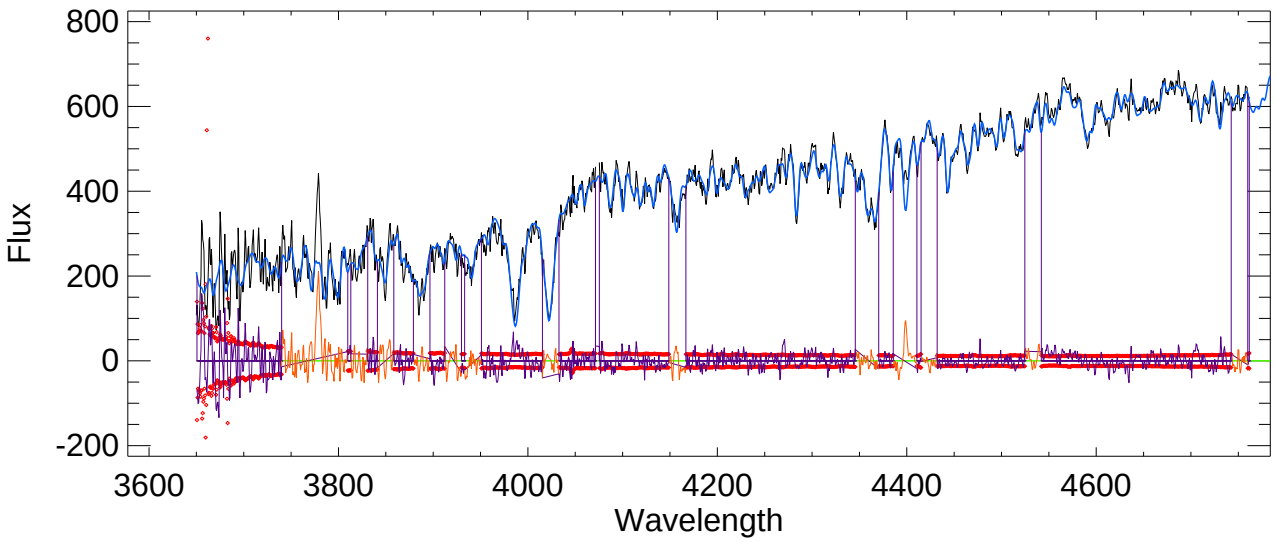

600
400
200
0
-200
Flux
3600
3800
4000
4200
4400
4600
4800
Wavelength

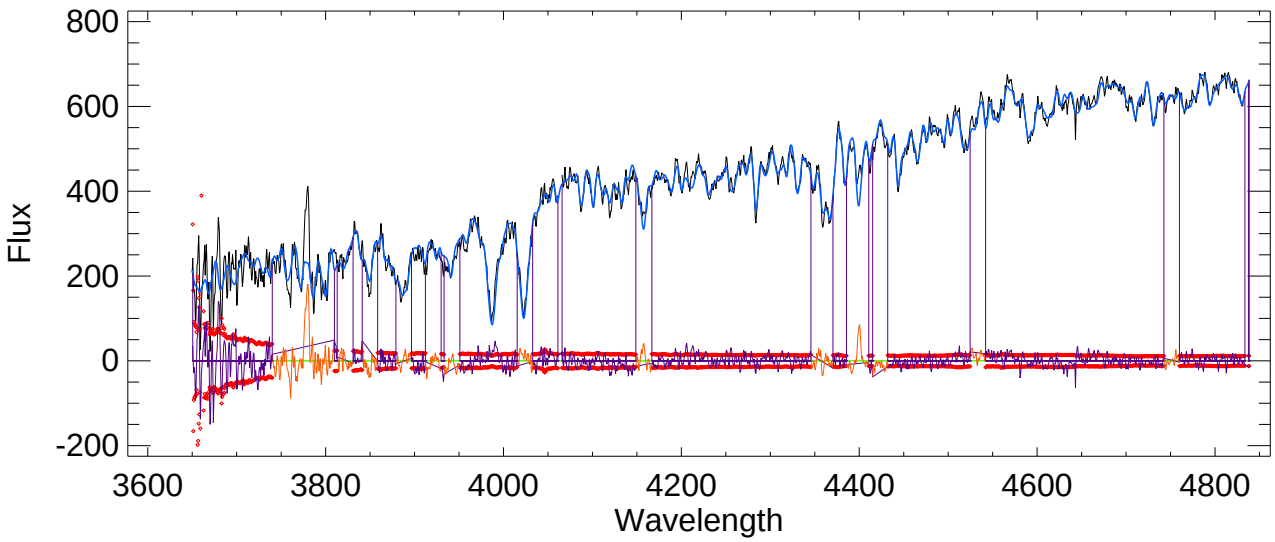

800
600
400
200
0
-200
Flux
3600
3800
4000
4200
4400
4600
4800
Wavelength

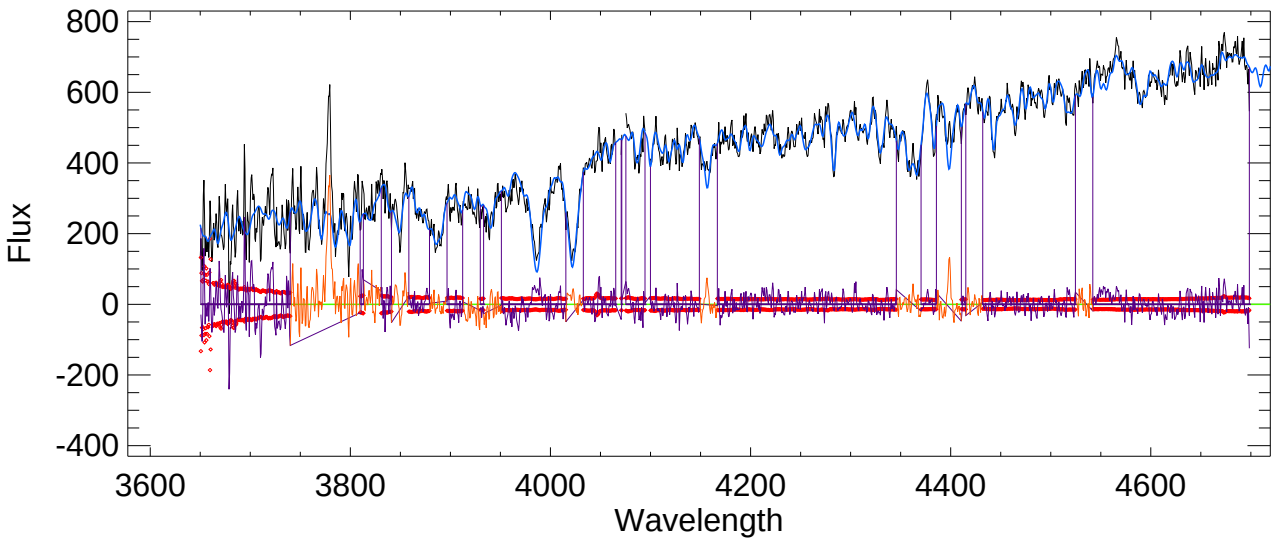

600
400
200
0
-200
Flux
3600
3800
4000
4200
4400
4600
4800
Wavelength

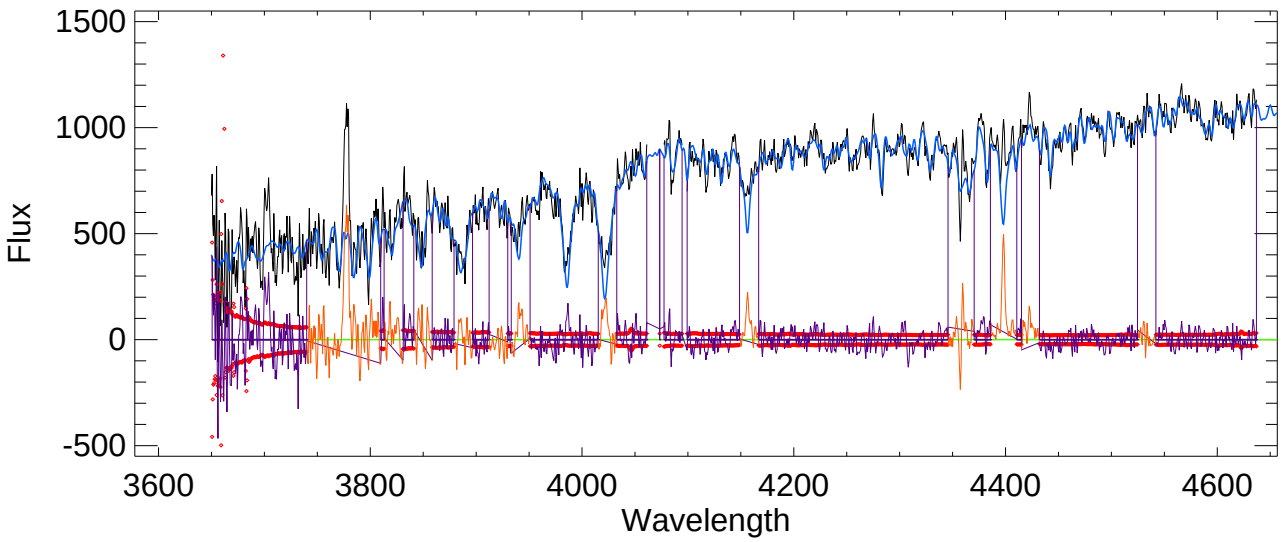

800
600
400
200
0
-200
-400
Flux
3600
3800
4000
4200
4400
4600
Wavelength

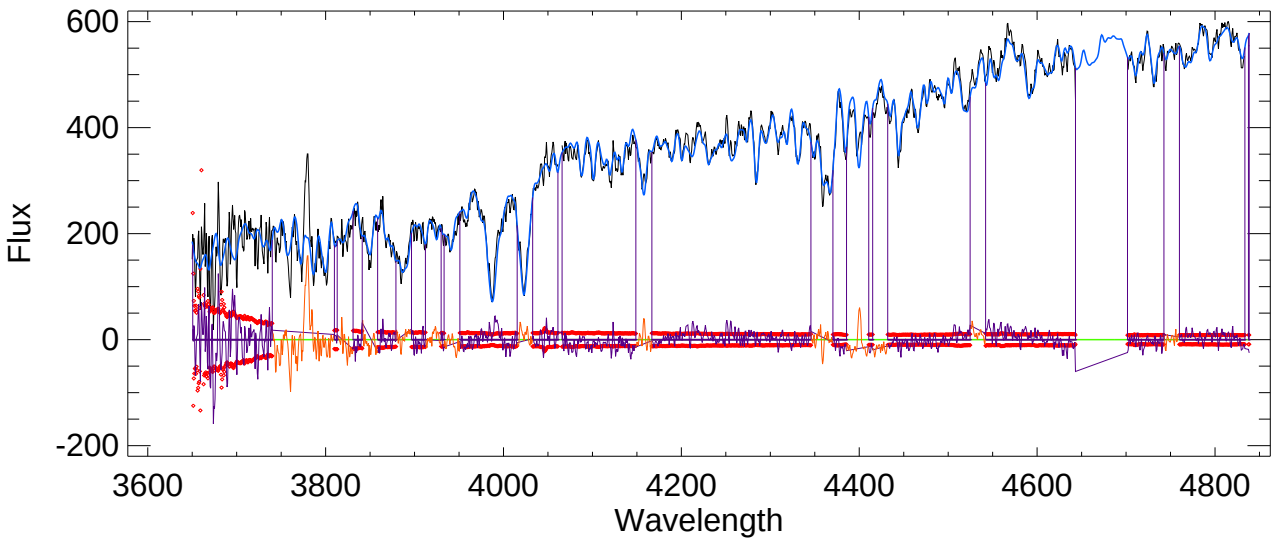

2000
1000
0
-1000
-2000
Flux
3600
3800
4000
4200
4400
4600
Wavelength

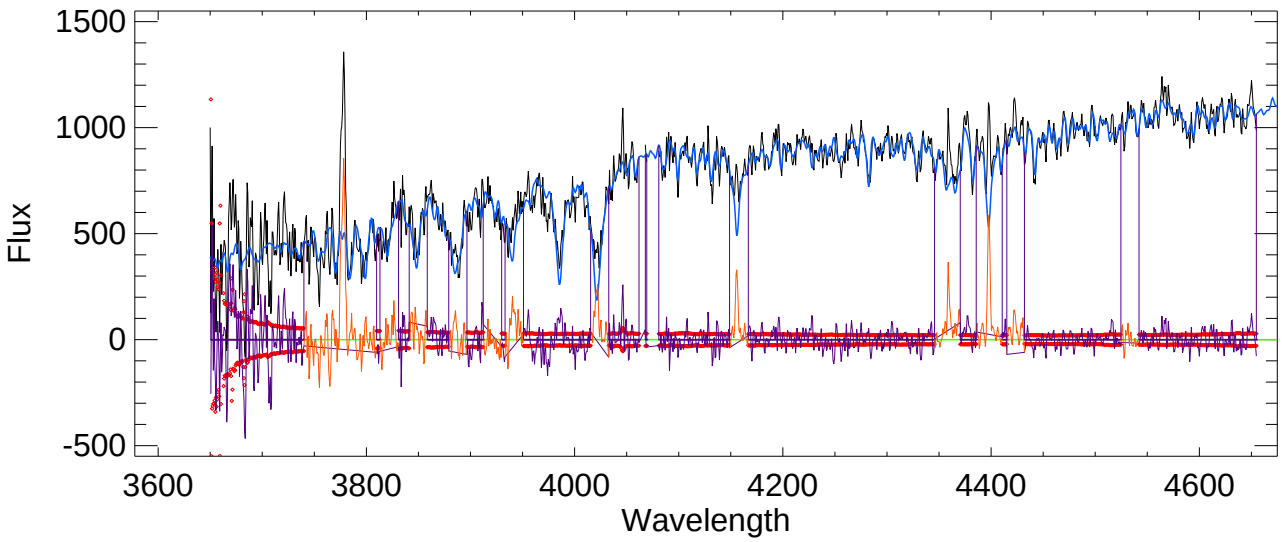

800
600
400
200
0
-200
Flux
3600
3800
4000
4200
4400
4600
Wavelength

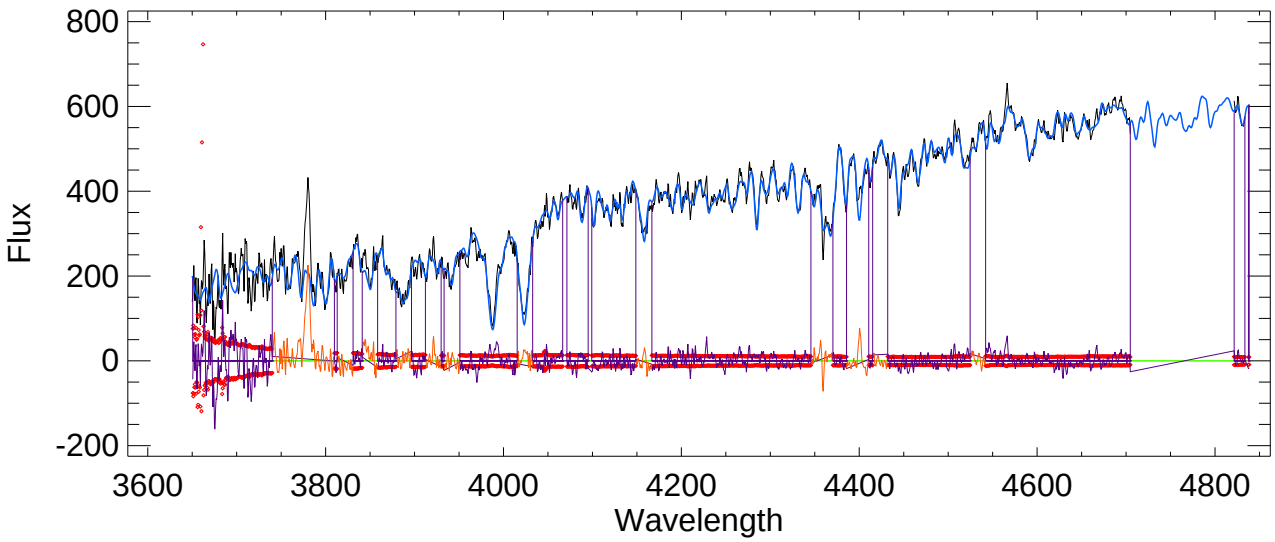

800
600
400
200
0
-200
Flux
3600
3800
4000
4200
4400
4600
4800
Wavelength

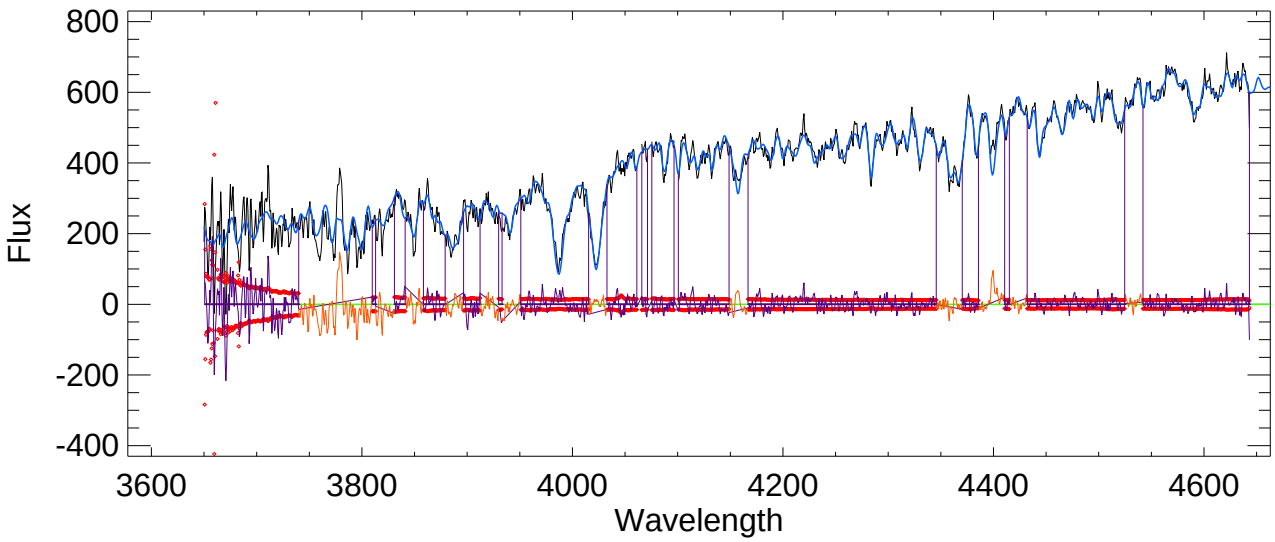

800
600
400
200
0
-200
-400
Flux
3600
3800
4000
4200
4400
4600
Wavelength

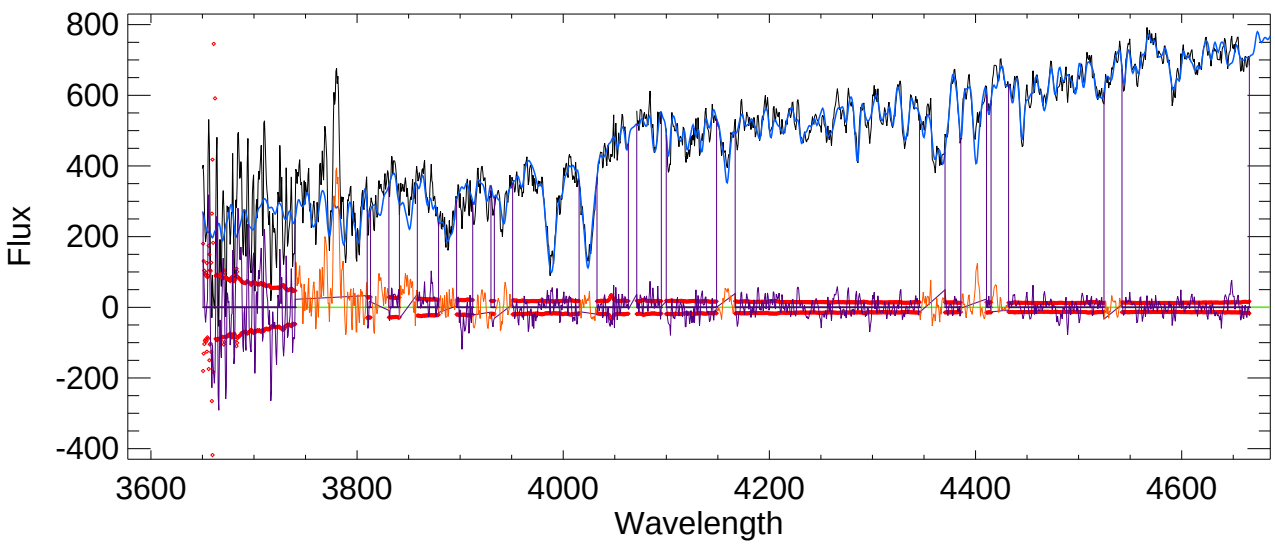

1500
1000
500
0
-500
Flux
3600
3800
4000
4200
4400
4600
Wavelength

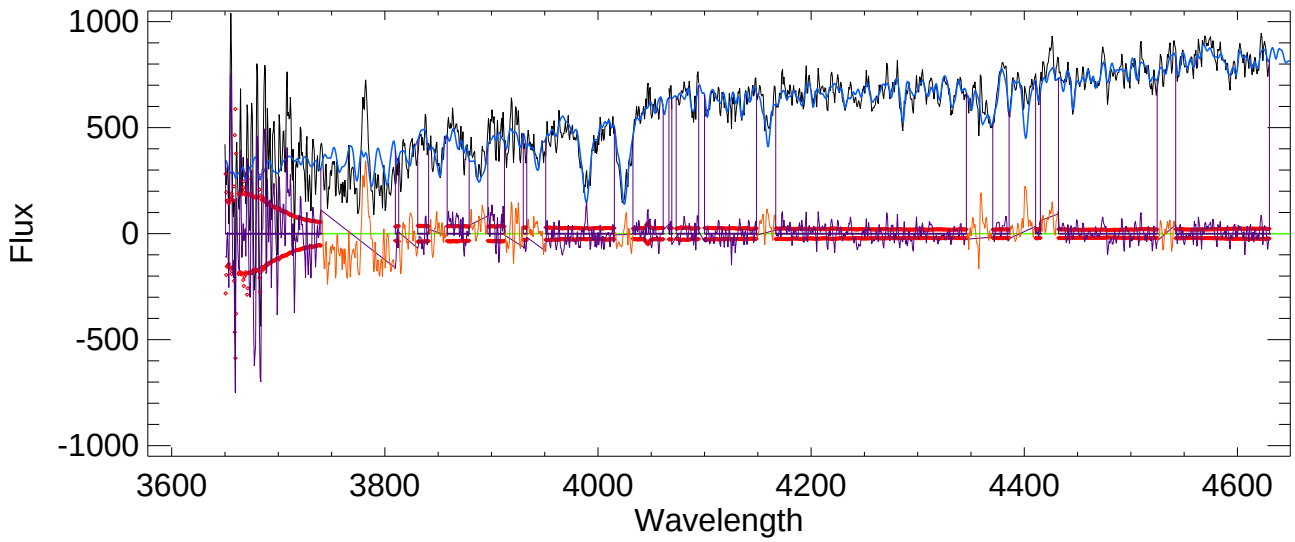

600
400
200
0
-200
Flux
3600
3800
4000
4200
4400
4600
4800
Wavelength

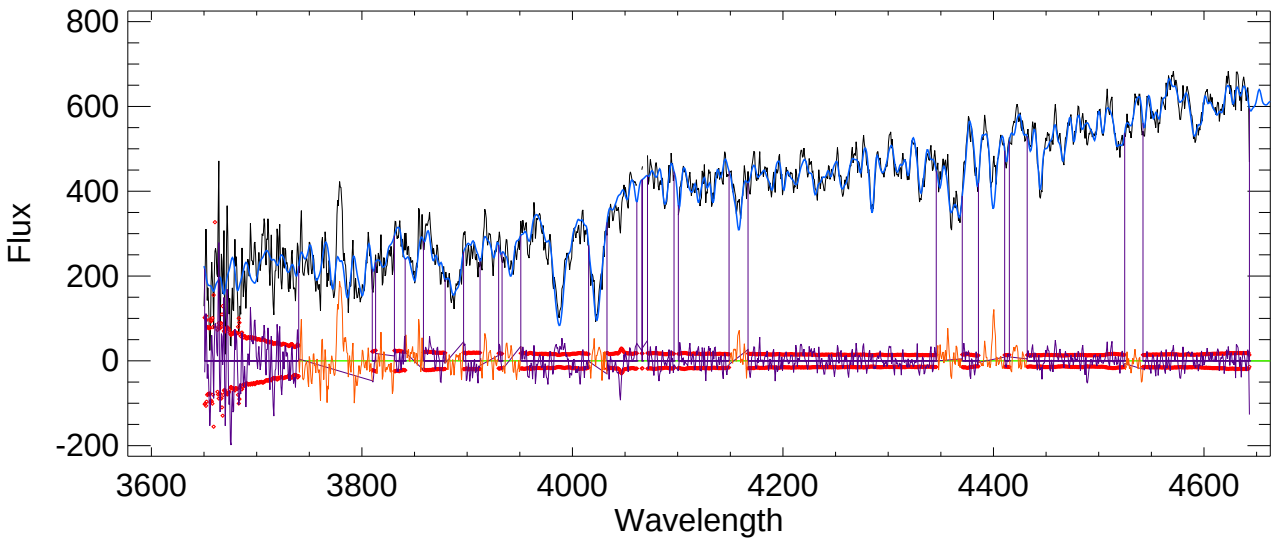

1500
1000
500
0
-500
Flux
3600
3800
4000
4200
4400
4600
Wavelength

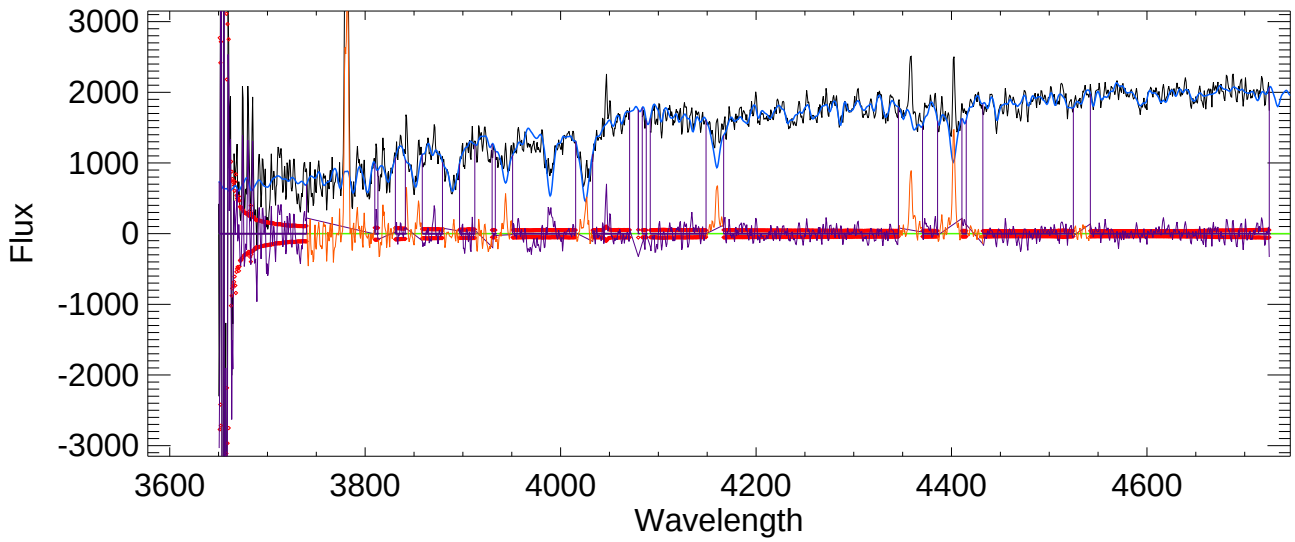

800
600
400
200
0
-200
Flux
3600
3800
4000
4200
4400
4600
4800
Wavelength

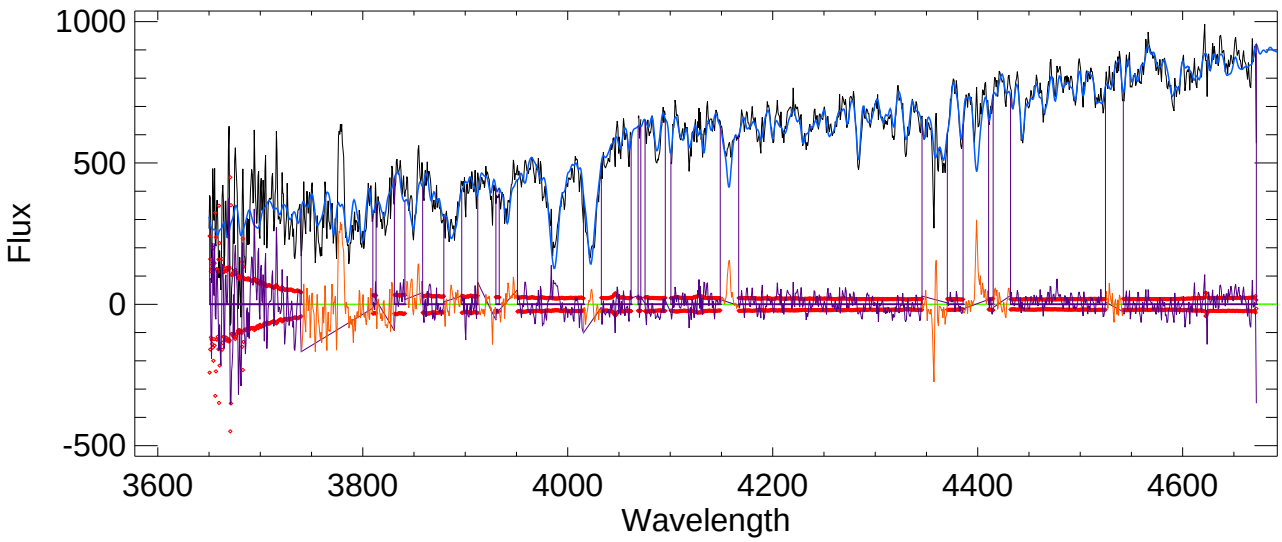

800
600
400
200
0
-200
-400
Flux
3600
3800
4000
4200
4400
4600
Wavelength

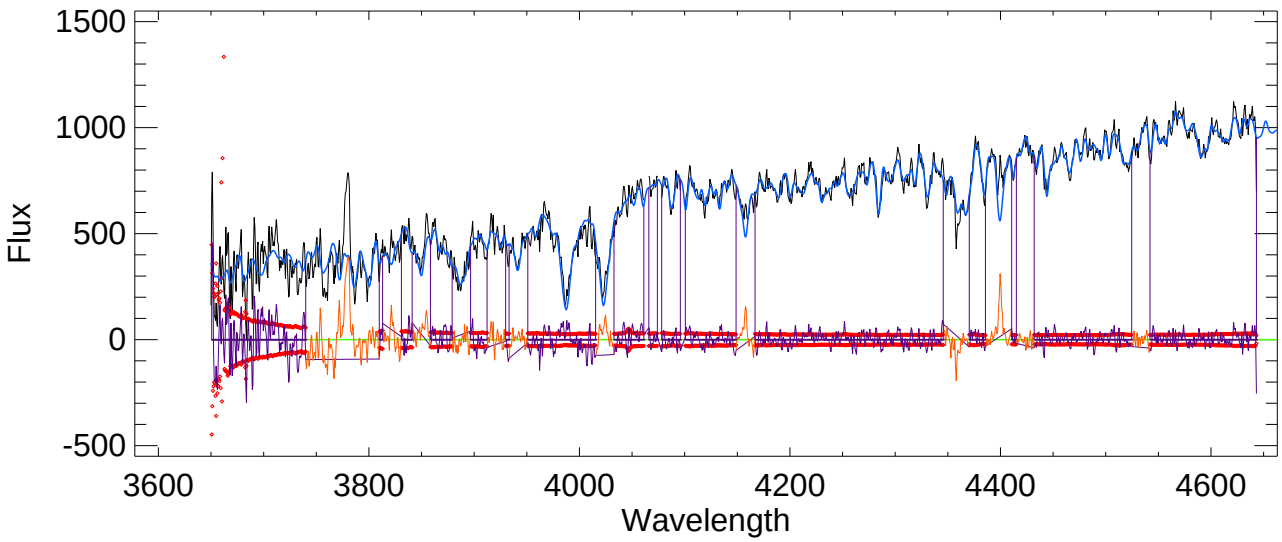

800
600
400
200
0
-200
-400
Flux
3600
3800
4000
4200
4400
4600
Wavelength

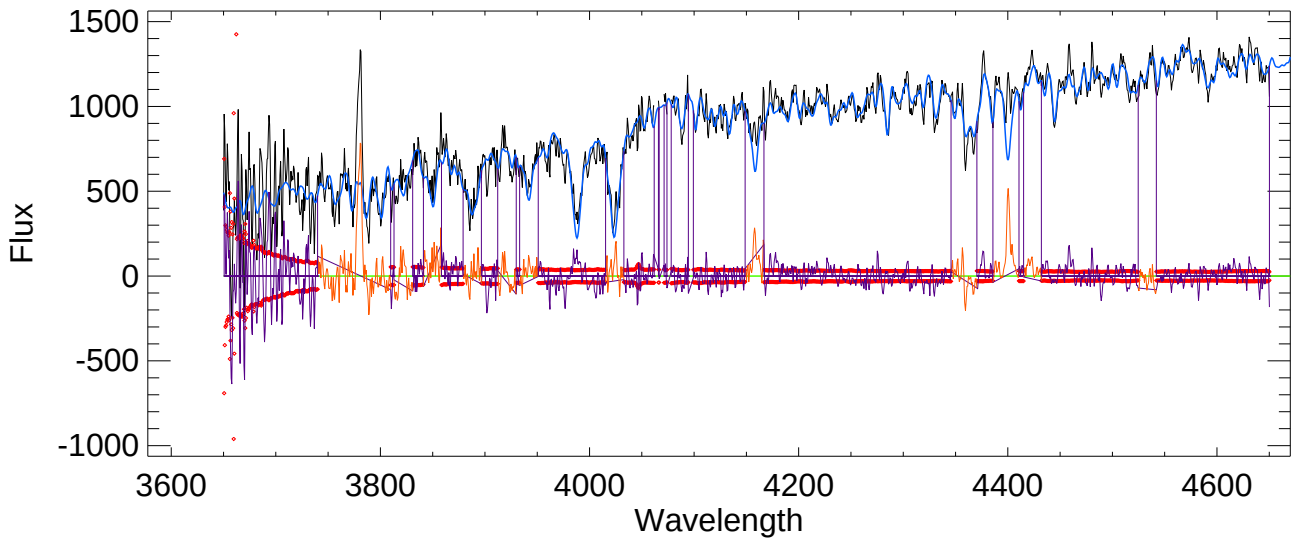

1000
500
0
-500
-1000
Flux
3600
3800
4000
4200
4400
4600
Wavelength

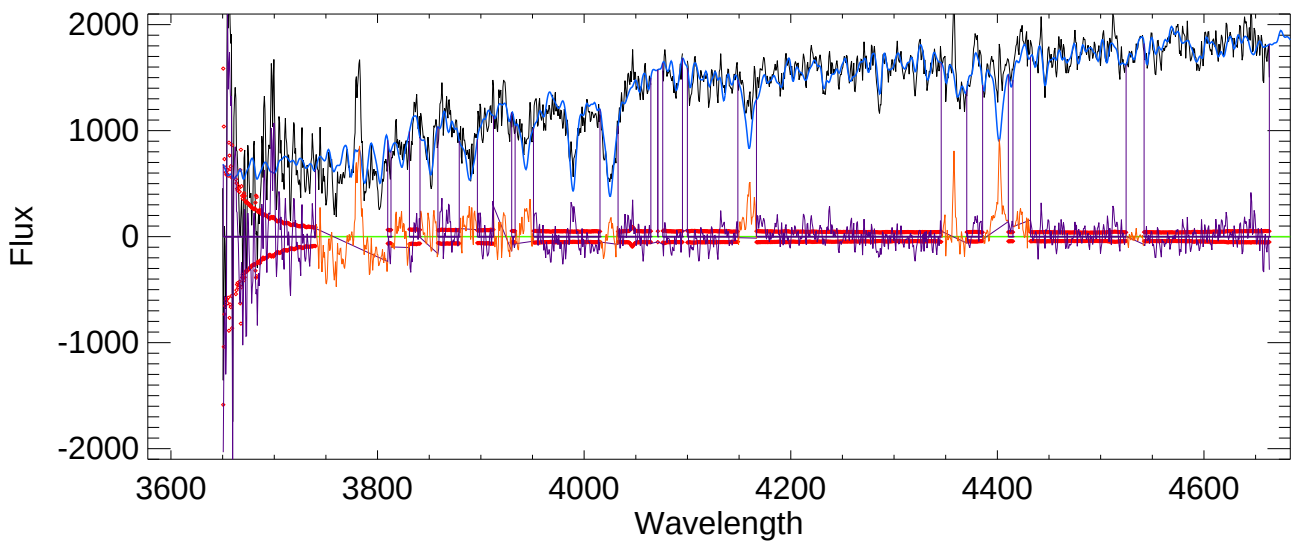

800
600
400
200
0
-200
Flux
3600
3800
4000
4200
4400
4600
Wavelength

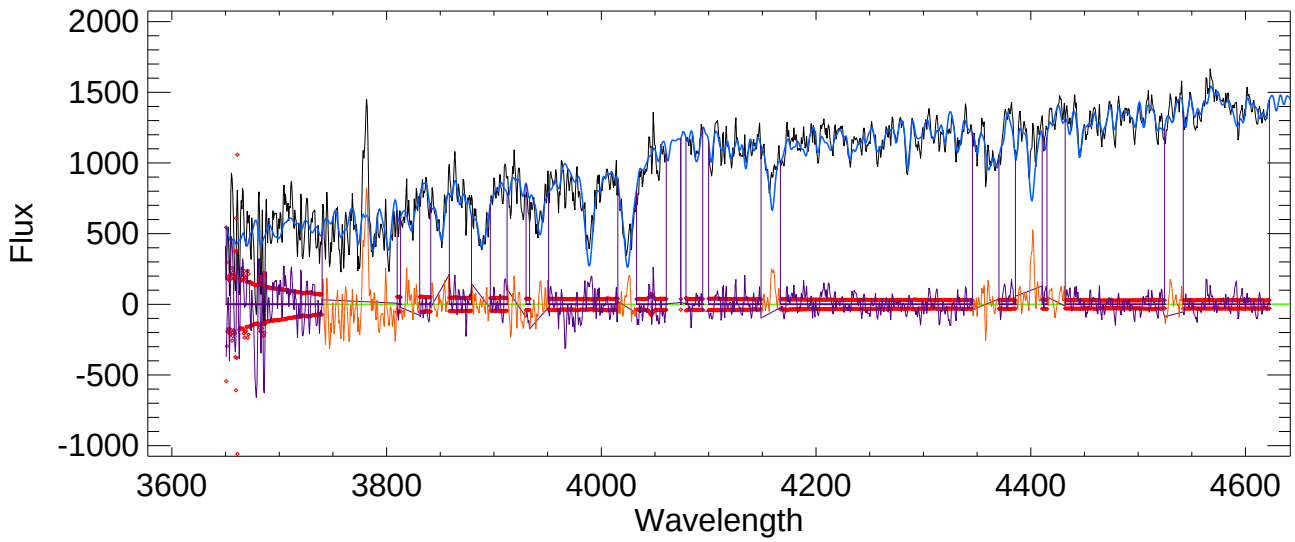

3000
2000
1000
0
-1000
-2000
-3000
Flux
3600
3800
4000
4200
4400
4600
Wavelength

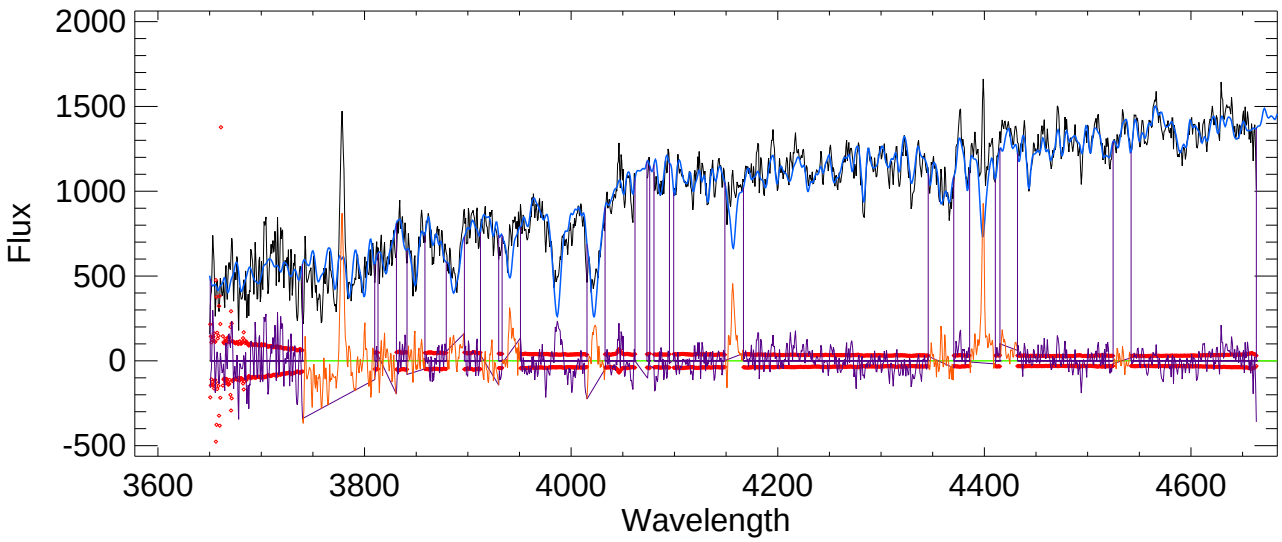

1000
500
0
-500
Flux
3600
3800
4000
4200
4400
4600
Wavelength

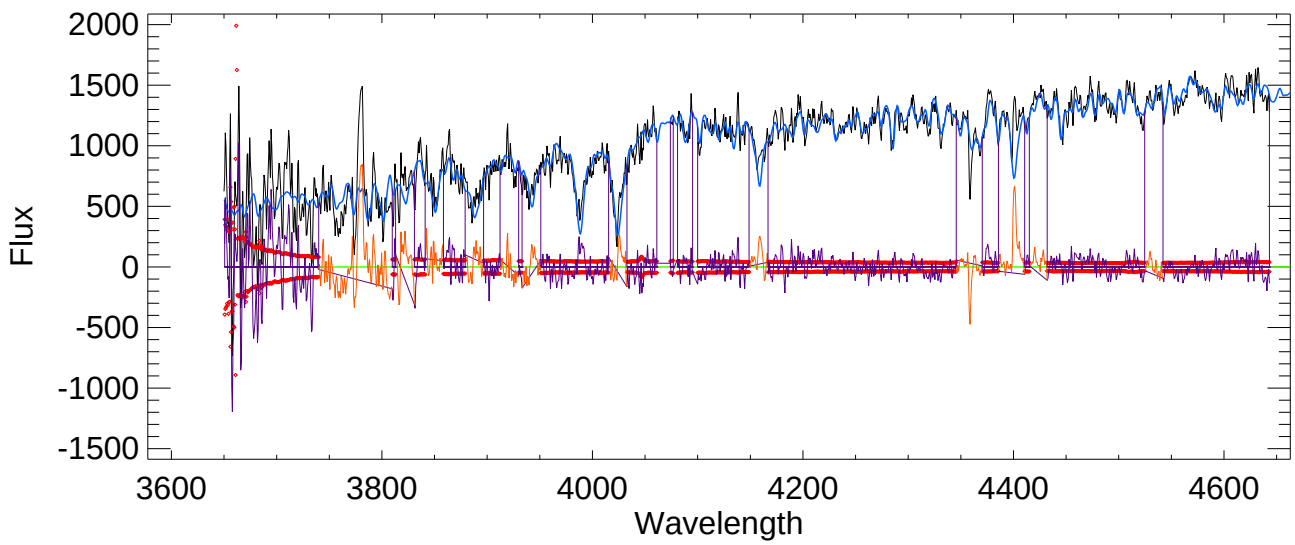

1500
1000
500
0
-500
Flux
3600
3800
4000
4200
4400
4600
Wavelength

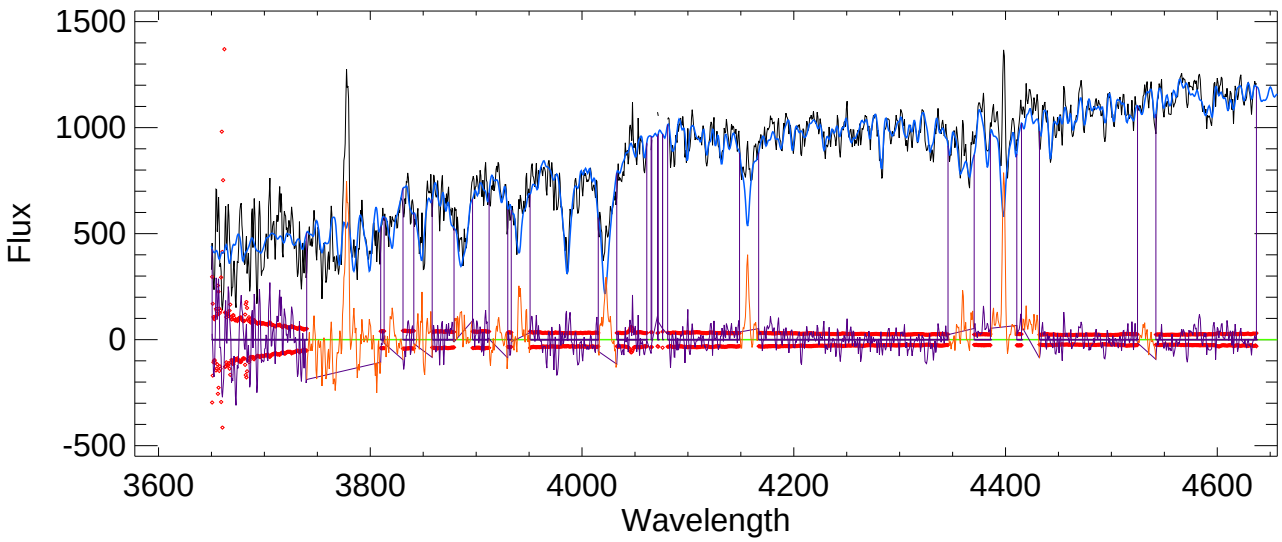

1500
1000
500
0
-500
-1000
Flux
3600
3800
4000
4200
4400
4600
Wavelength

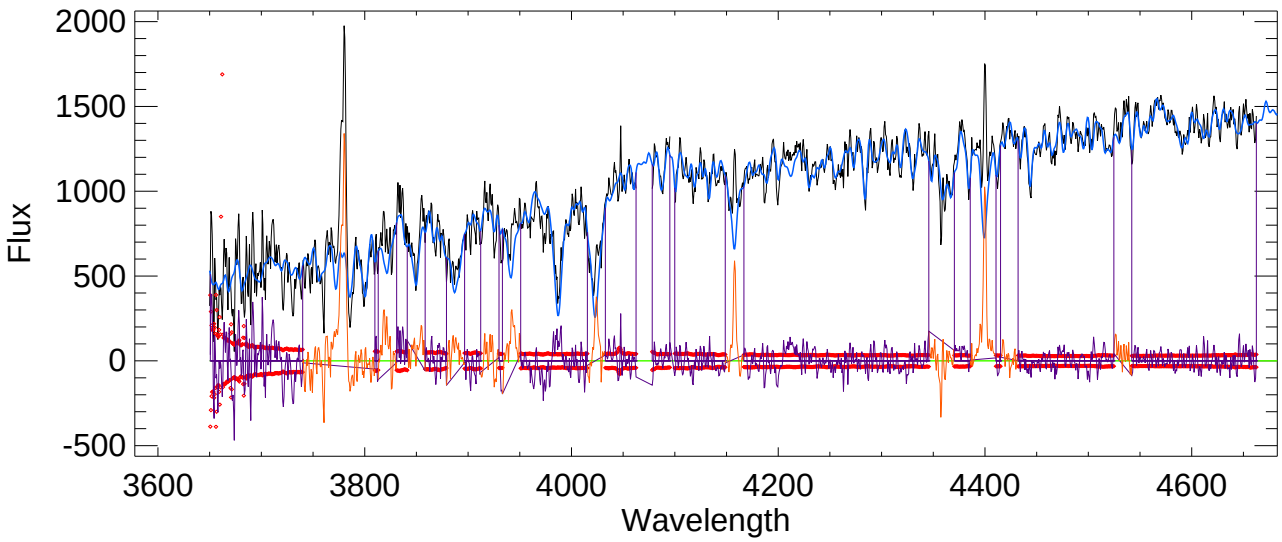

2000
1000
0
-1000
-2000
Flux
3600
3800
4000
4200
4400
4600
Wavelength

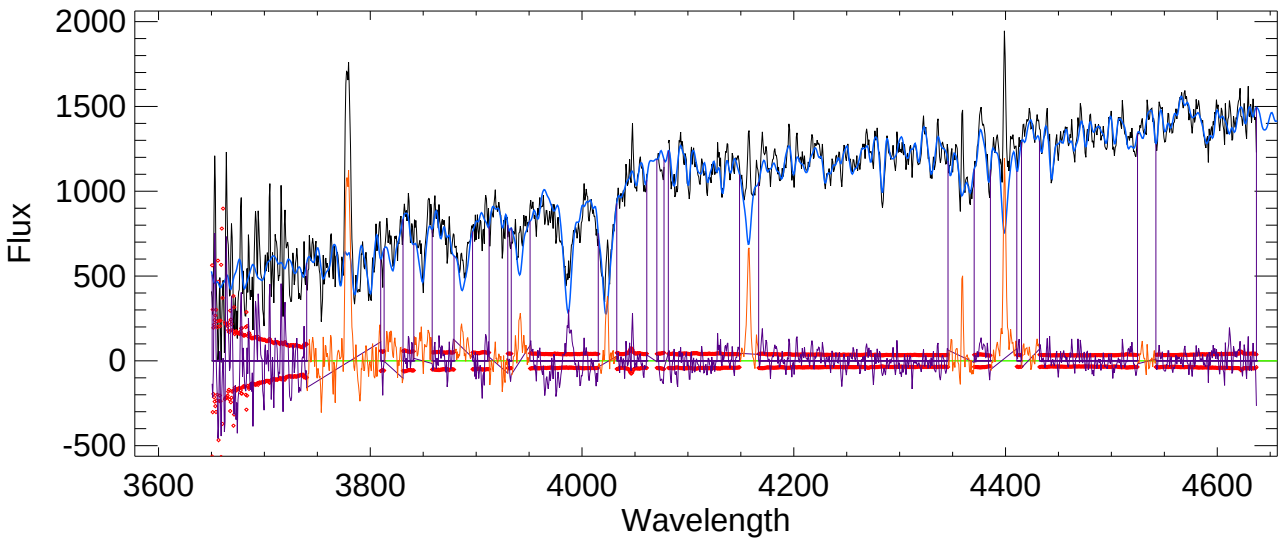

2000
1500
1000
500
0
-500
-1000
Flux
3600
3800
4000
4200
4400
4600
Wavelength

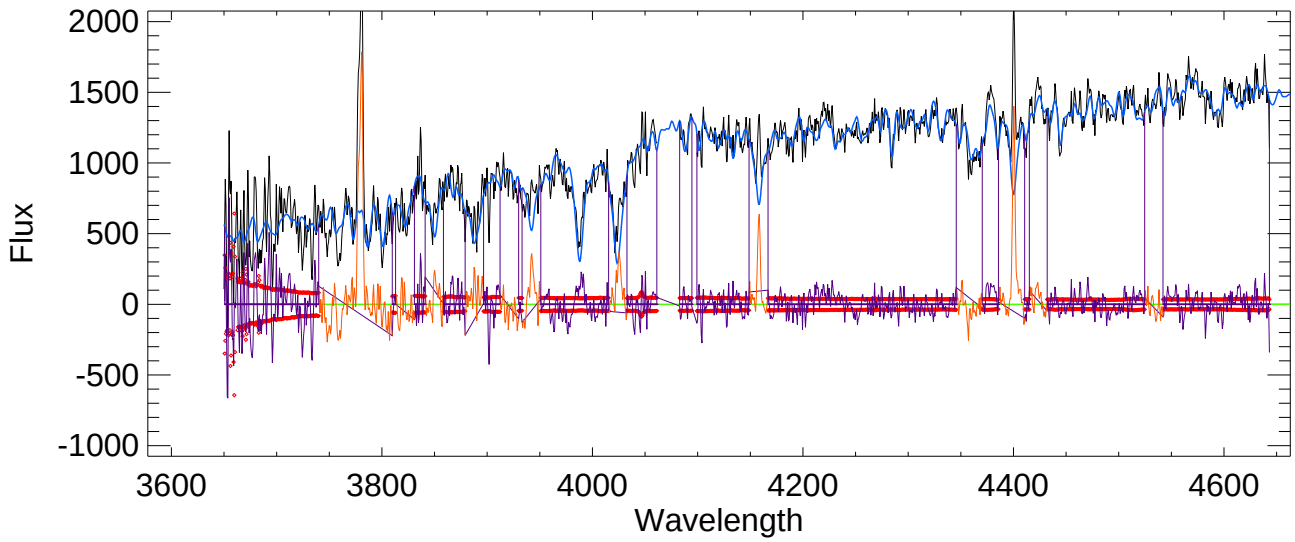

2000
1500
1000
500
0
-500
Flux
3600
3800
4000
4200
4400
4600
Wavelength

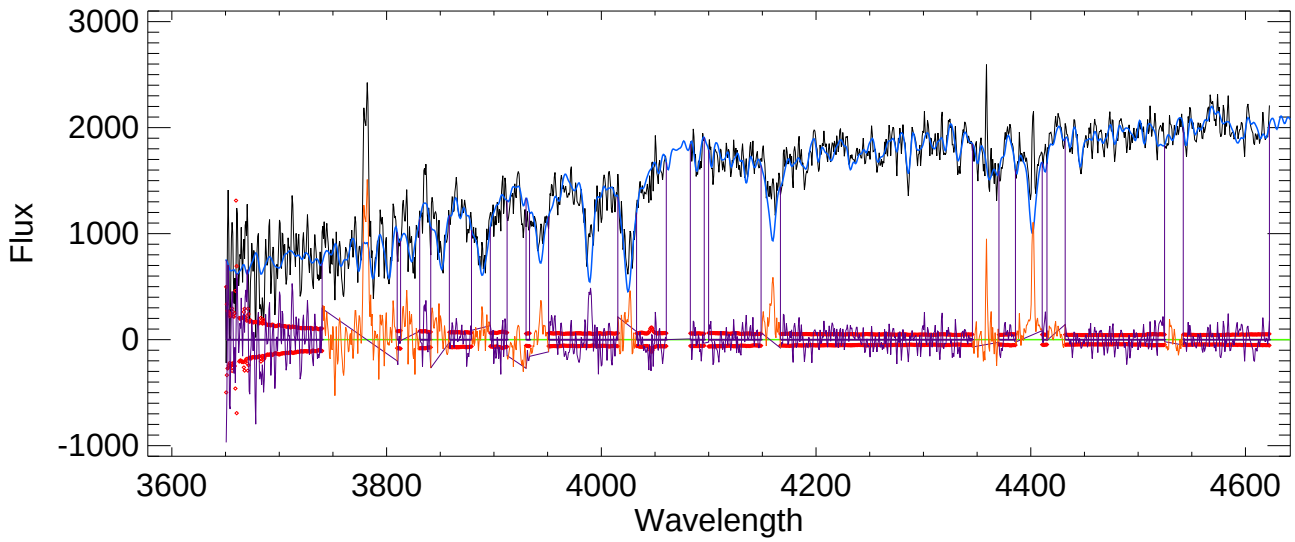

2000
1500
1000
500
0
-500
-1000
-1500
Flux
3600
3800
4000
4200
4400
4600
Wavelength

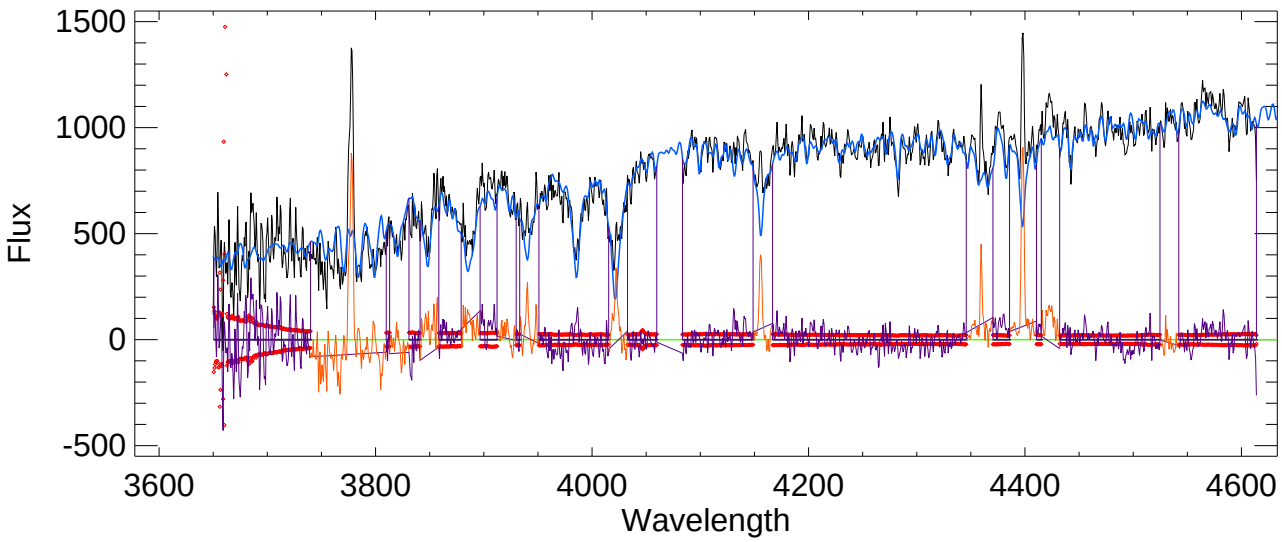

1500
1000
500
0
-500
Flux
3600
3800
4000
4200
4400
4600
Wavelength

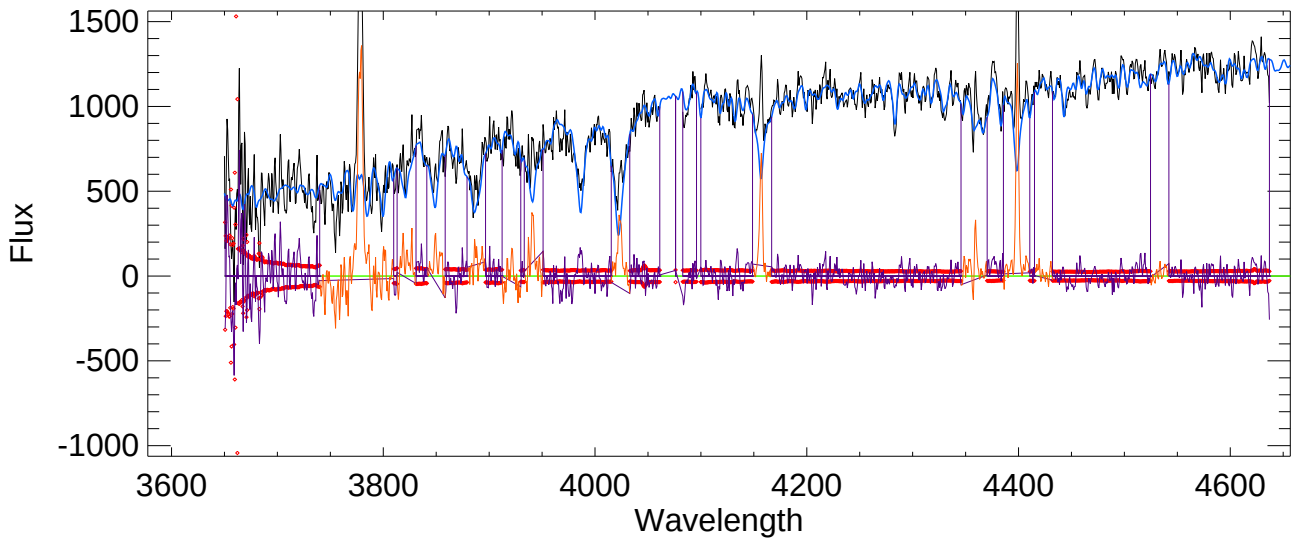

2000
1500
1000
500
0
-500
Flux
3600
3800
4000
4200
4400
4600
Wavelength

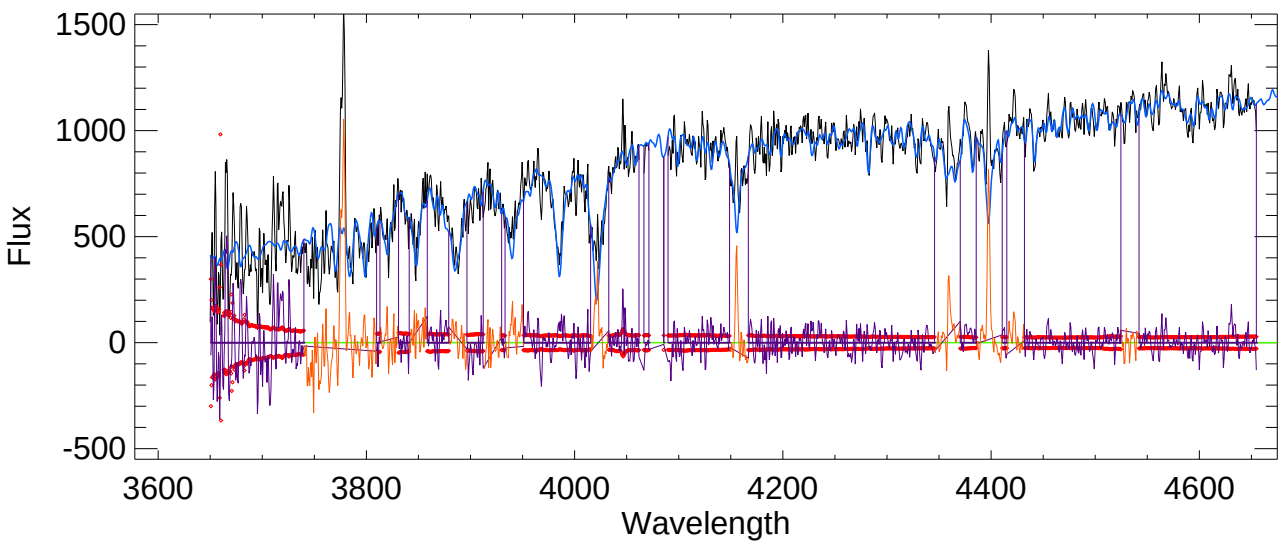

2000
1500
1000
500
0
-500
Flux
3600
3800
4000
4200
4400
4600
Wavelength

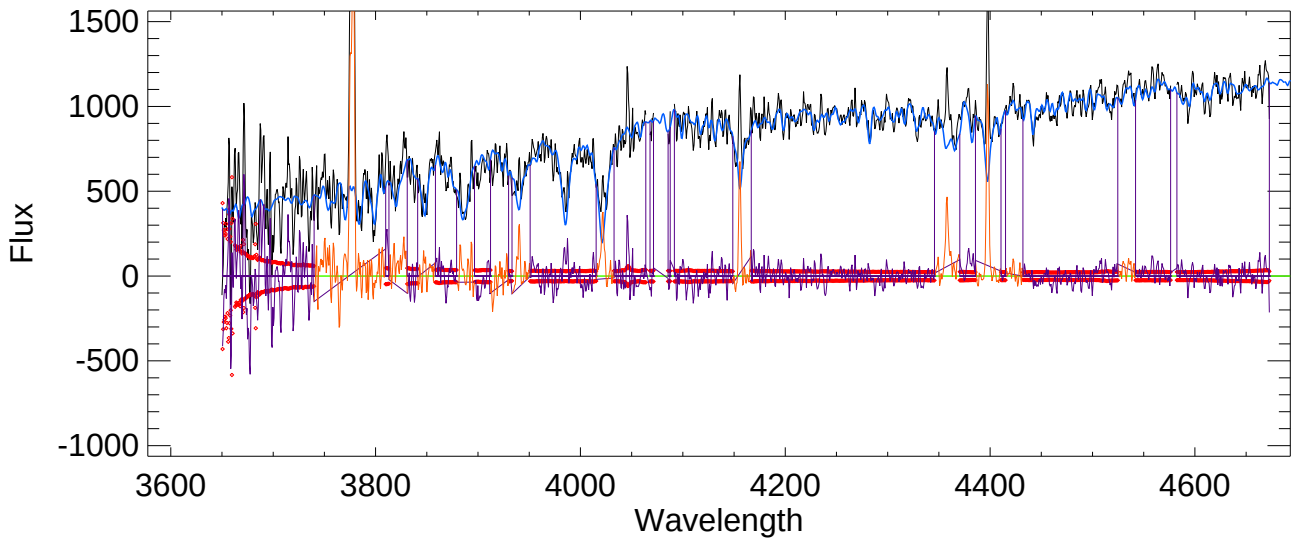

2000
1500
1000
500
0
-500
-1000
Flux
3600
3800
4000
4200
4400
4600
Wavelength

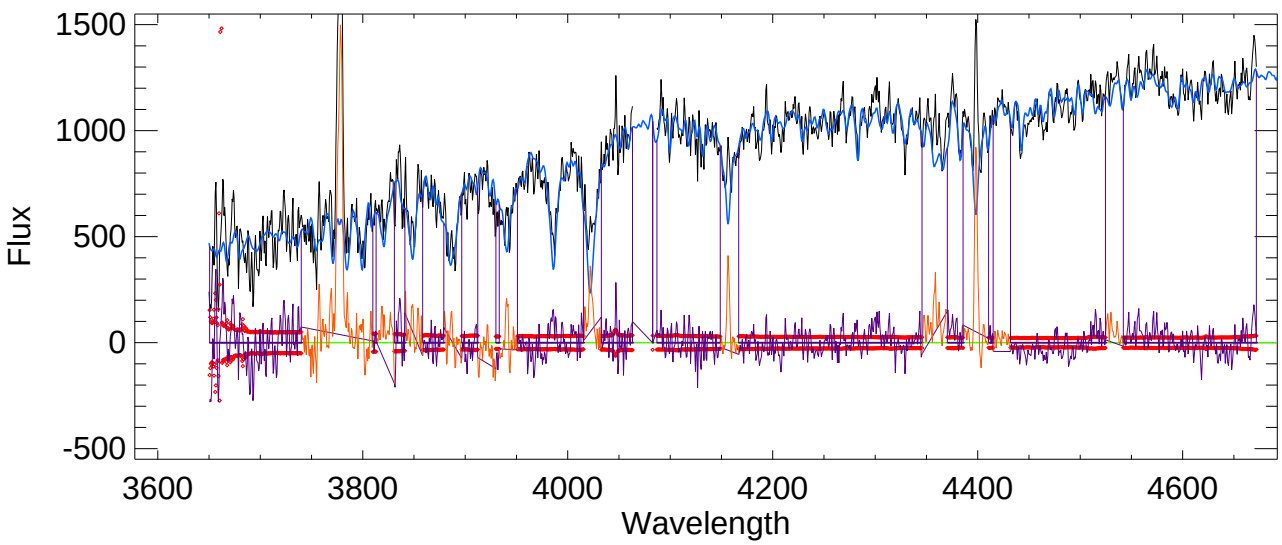

3000
2000
1000
0
-1000
Flux
3600
3800
4000
4200
4400
4600
Wavelength

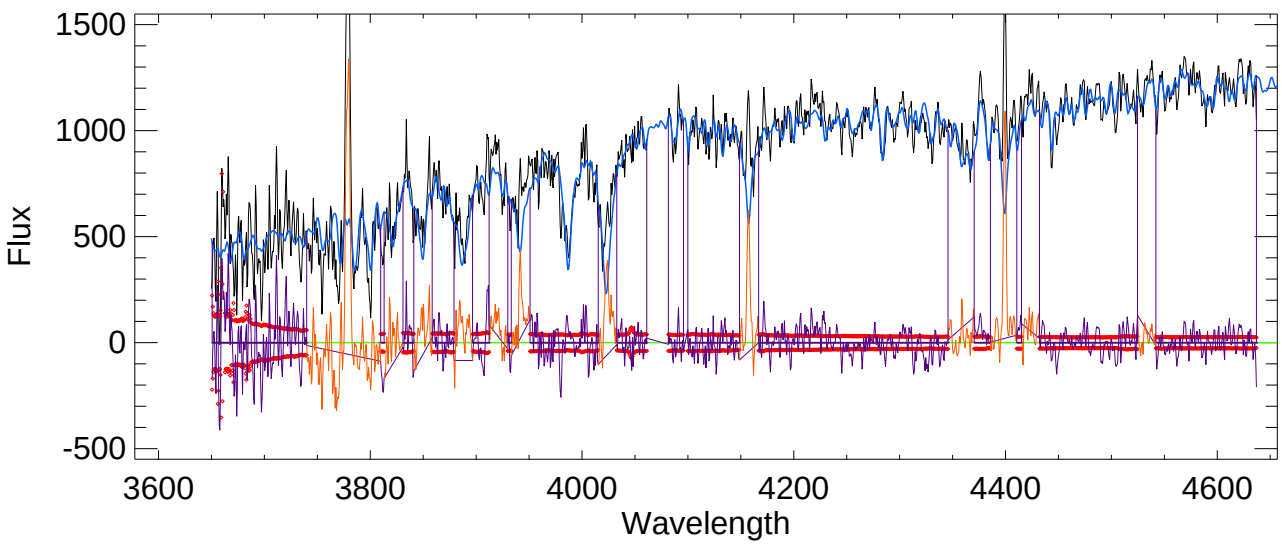

1500
1000
500
0
-500
Flux
3600
3800
4000
4200
4400
4600
Wavelength

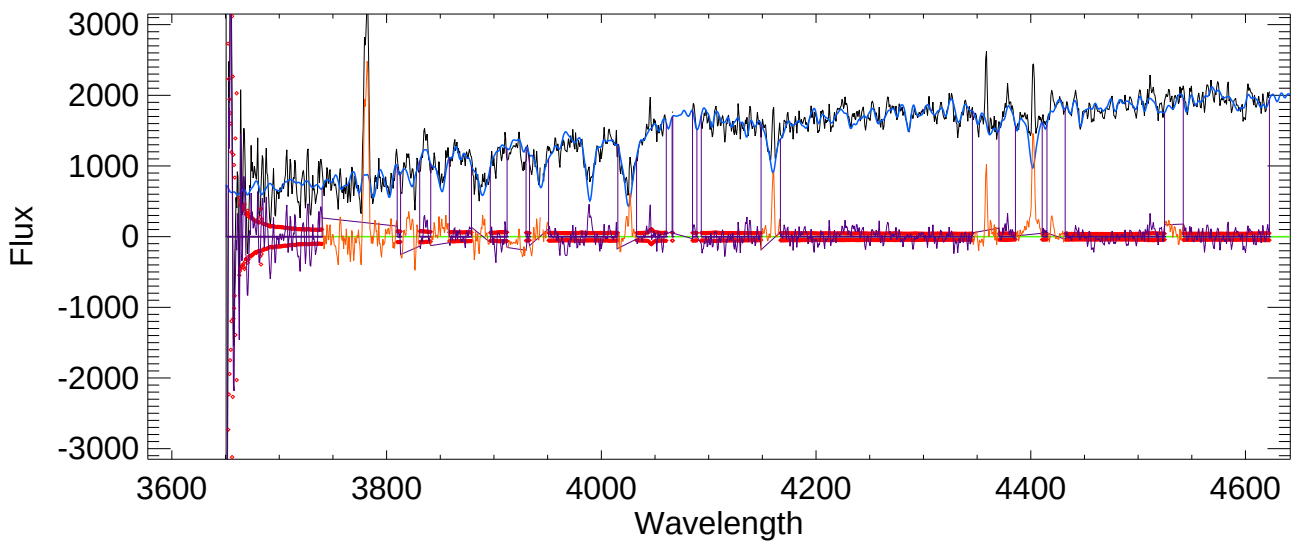

1500
1000
500
0
-500
-1000
Flux
3600
3800
4000
4200
4400
4600
Wavelength

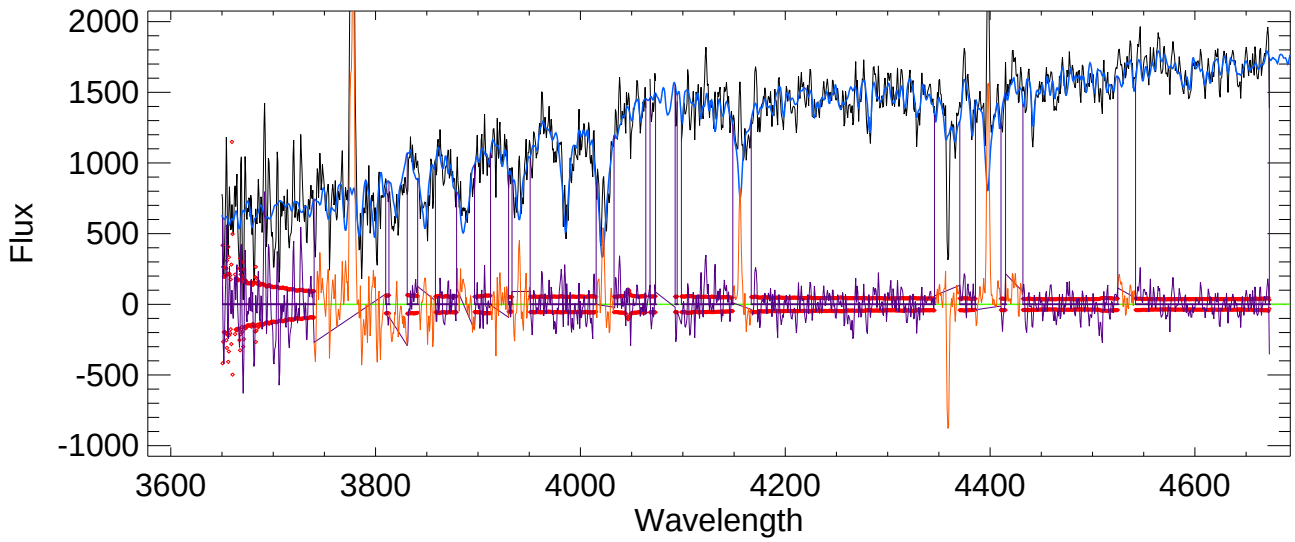

1500
1000
500
0
-500
Flux
3600
3800
4000
4200
4400
4600
Wavelength

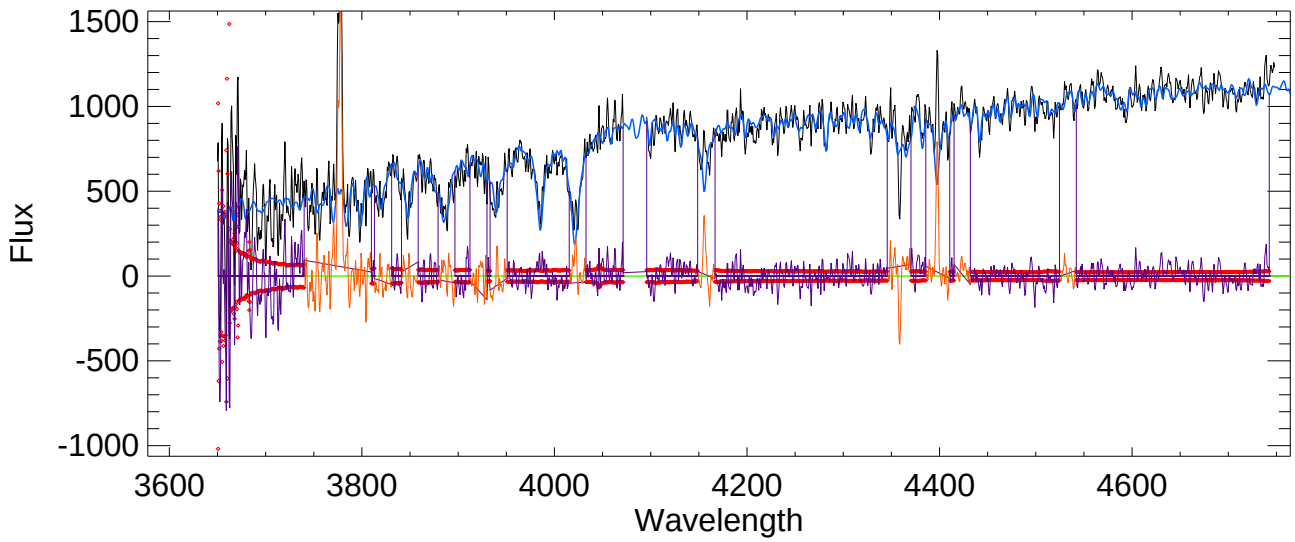

1500
1000
500
0
-500
-1000
Flux
3600
3800
4000
4200
4400
4600
Wavelength


1500
1000
500
0
-500
Flux
3600
3800
4000
4200
4400
4600
Wavelength


1500
1000
500
0
-500
Flux
3600
3800
4000
4200
4400
4600
Wavelength


3000
2000
1000
0
-1000
-2000
-3000
Flux
3600
3800
4000
4200
4400
4600
Wavelength


2000
1500
1000
500
0
-500
-1000
Flux
3600
3800
4000
4200
4400
4600
Wavelength


1500
1000
500
0
-500
-1000
Flux
3600
3800
4000
4200
4400
4600
Wavelength