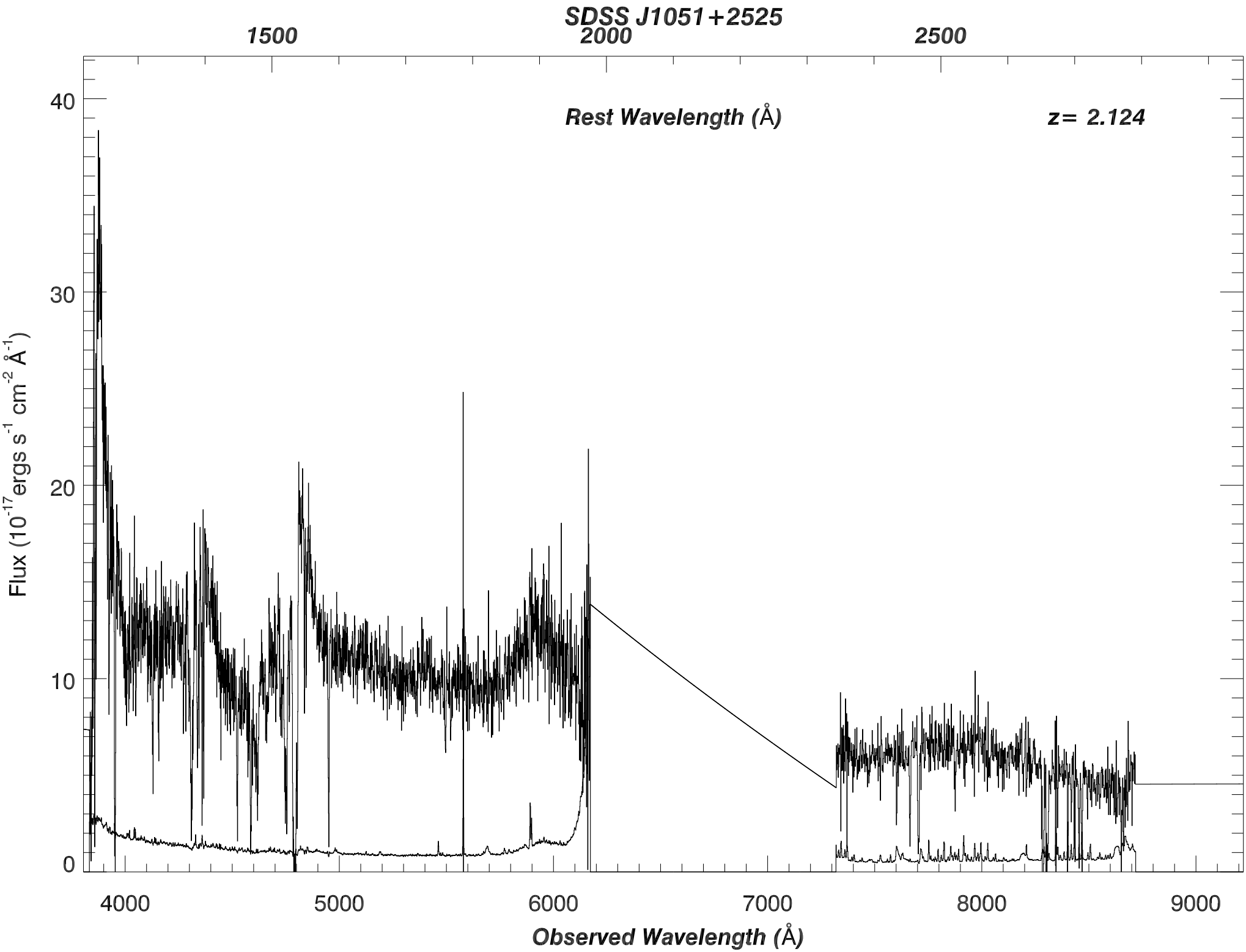
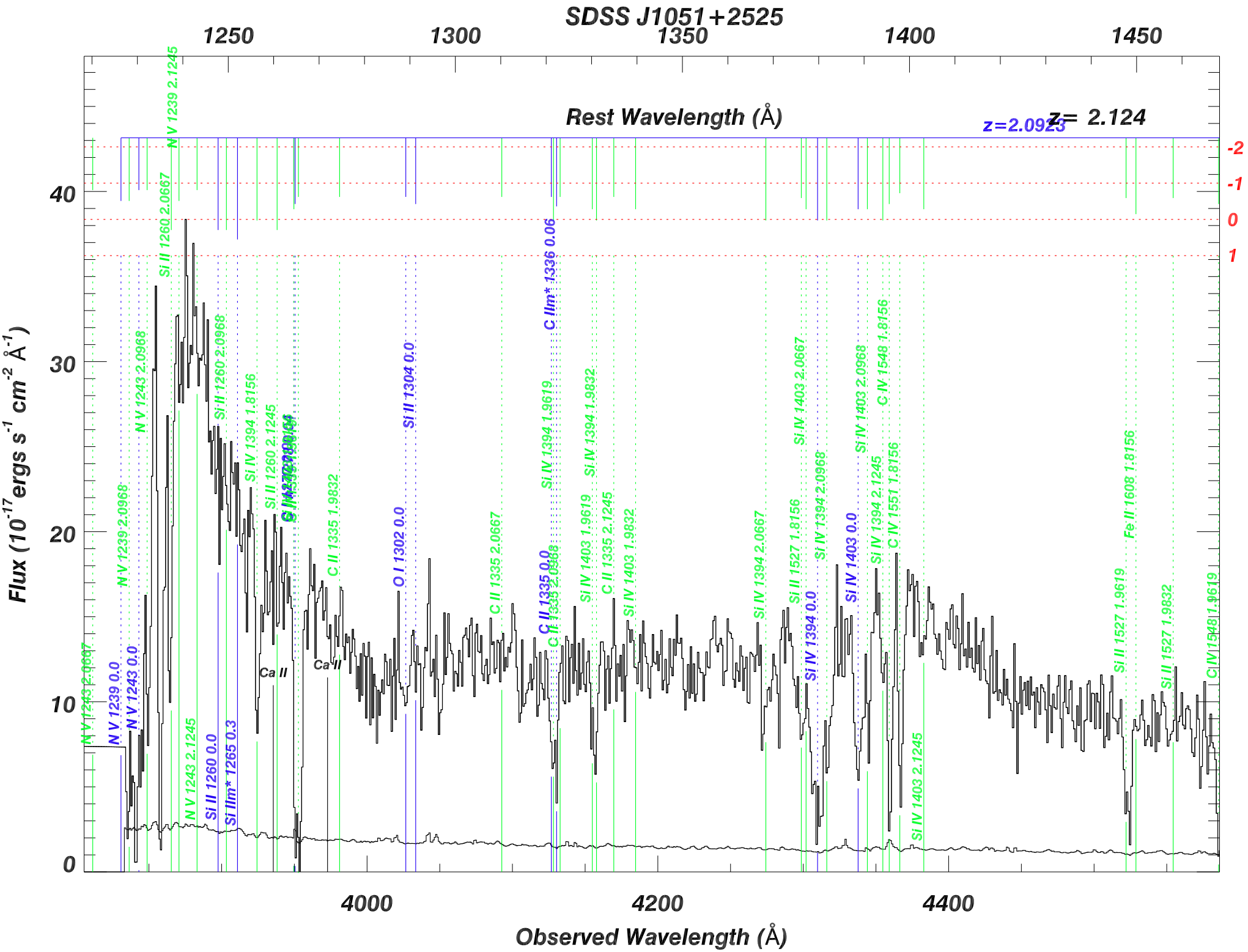
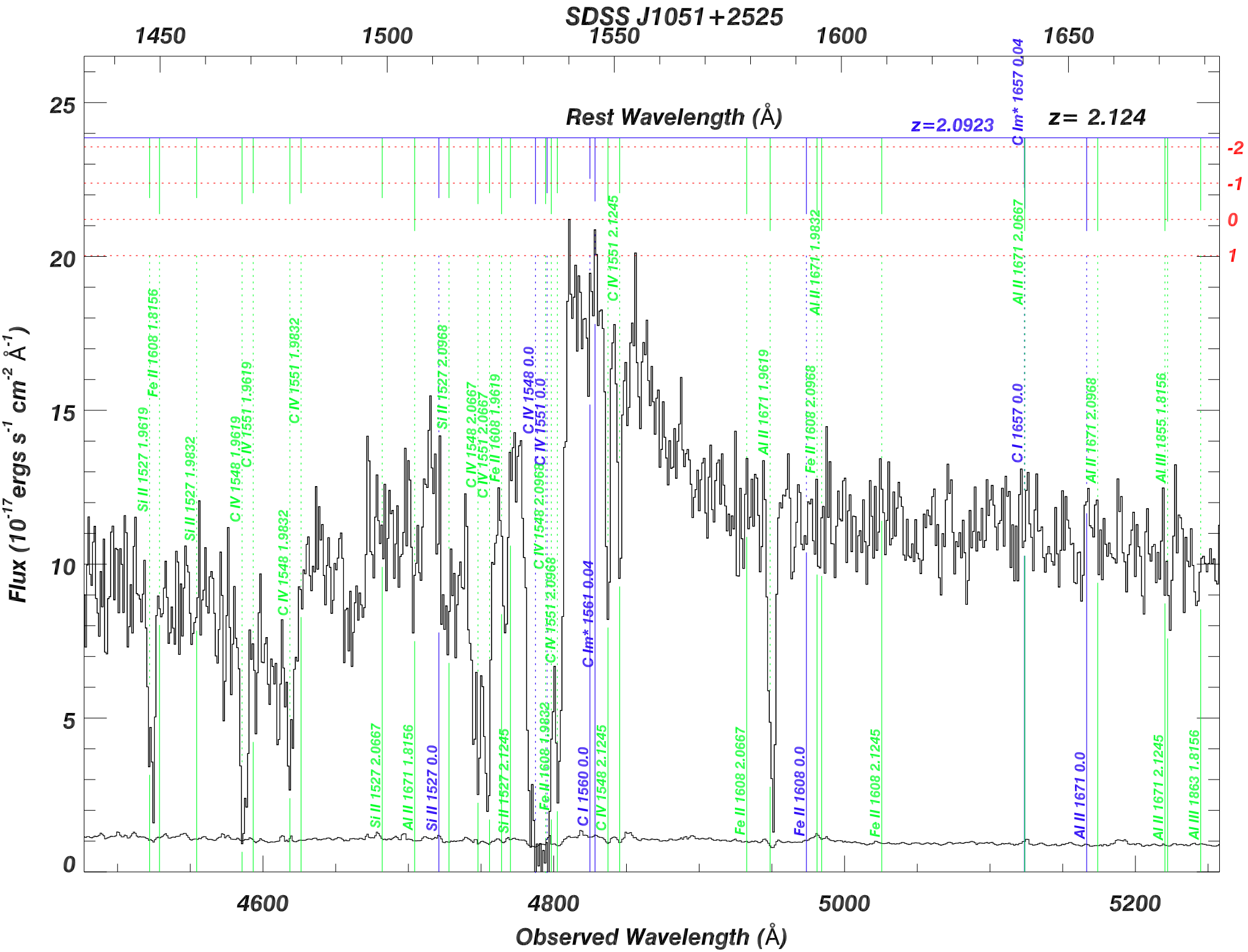
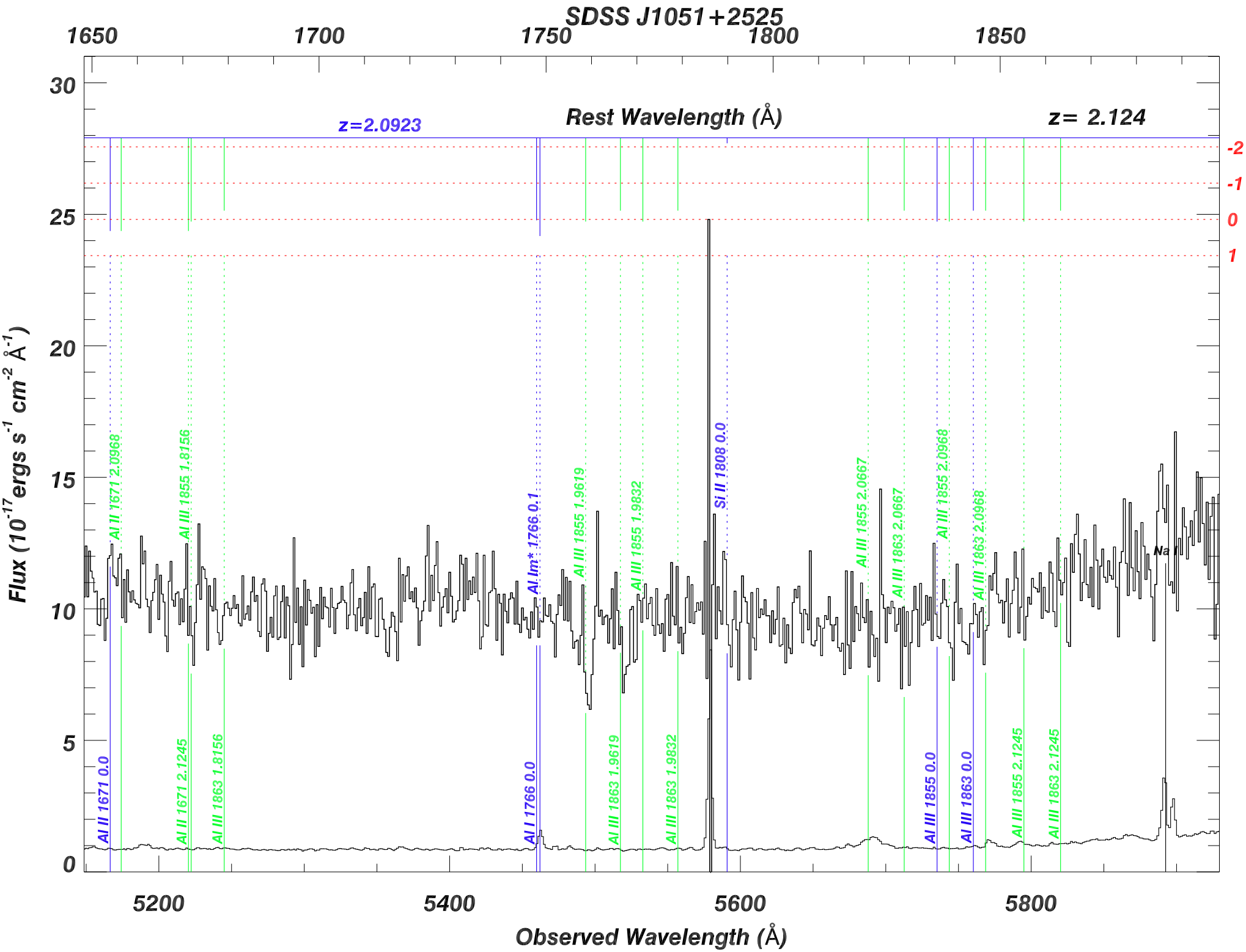
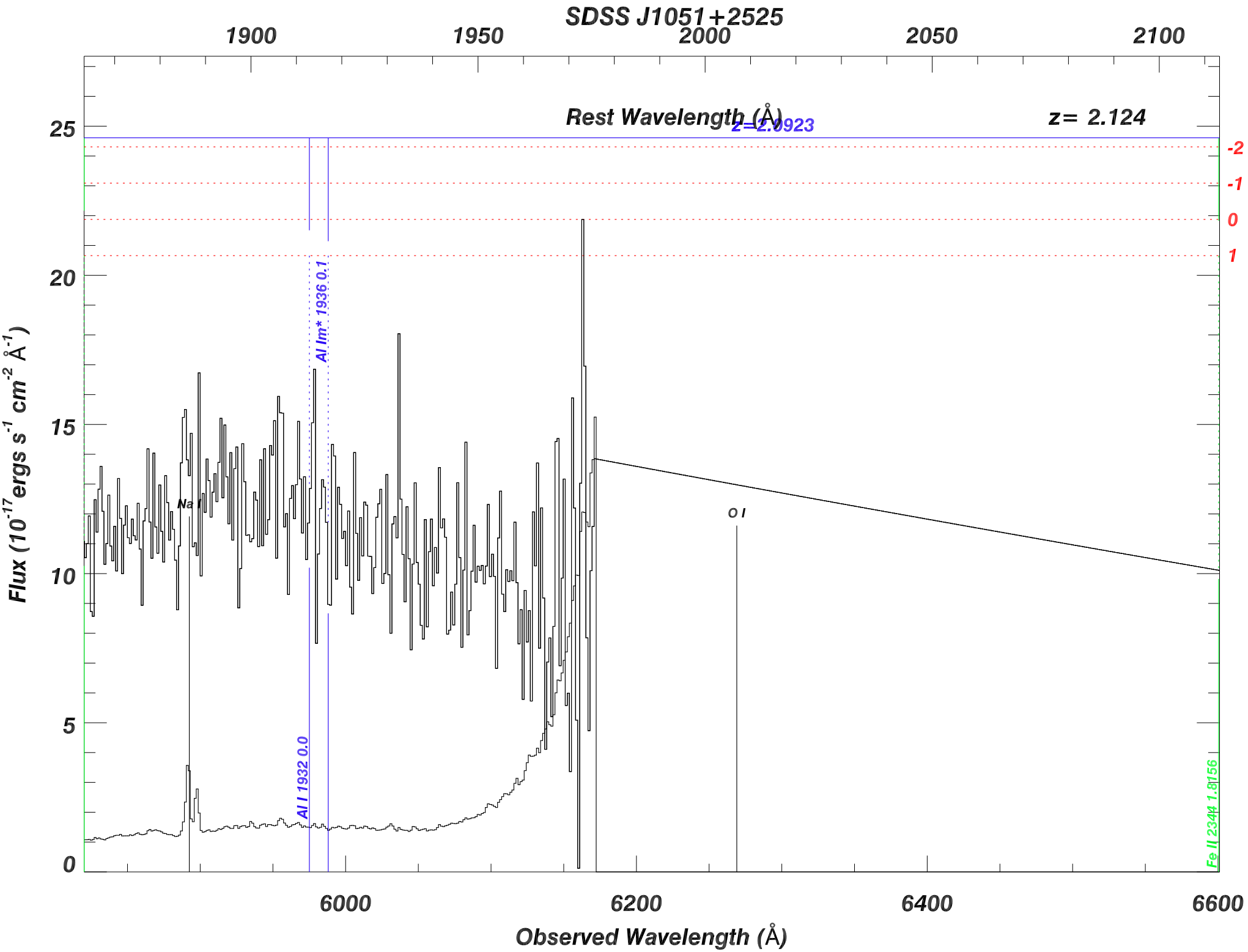
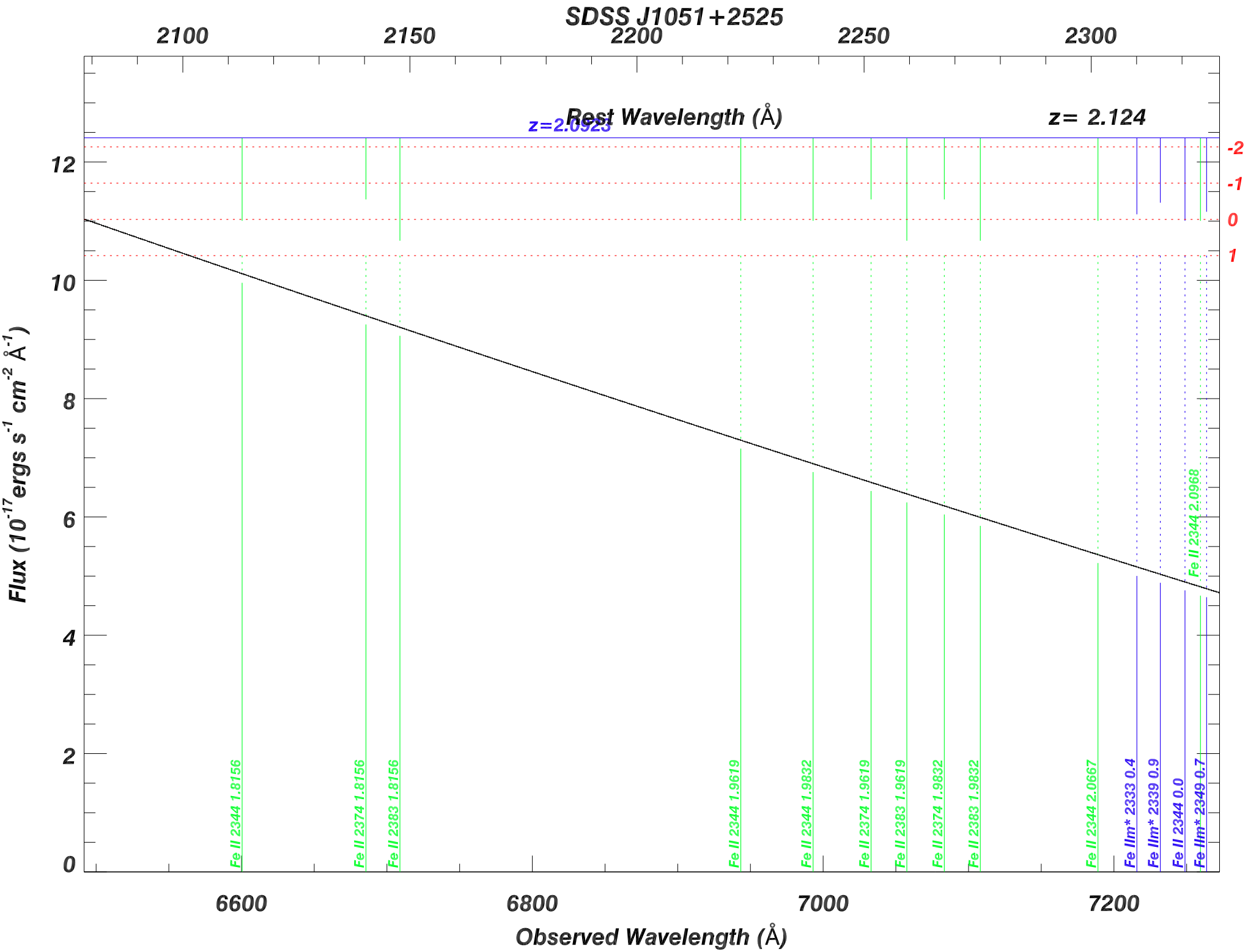

SDSS J1051+2525
1500
2000
2500
Rest Wavelength (Å)
z= 2.124
Flux (10^{-17} ergs s^{-1} cm^{-2} Å^{-1})
0
10
20
30
40
4000
5000
6000
7000
8000
9000
Observed Wavelength (Å)

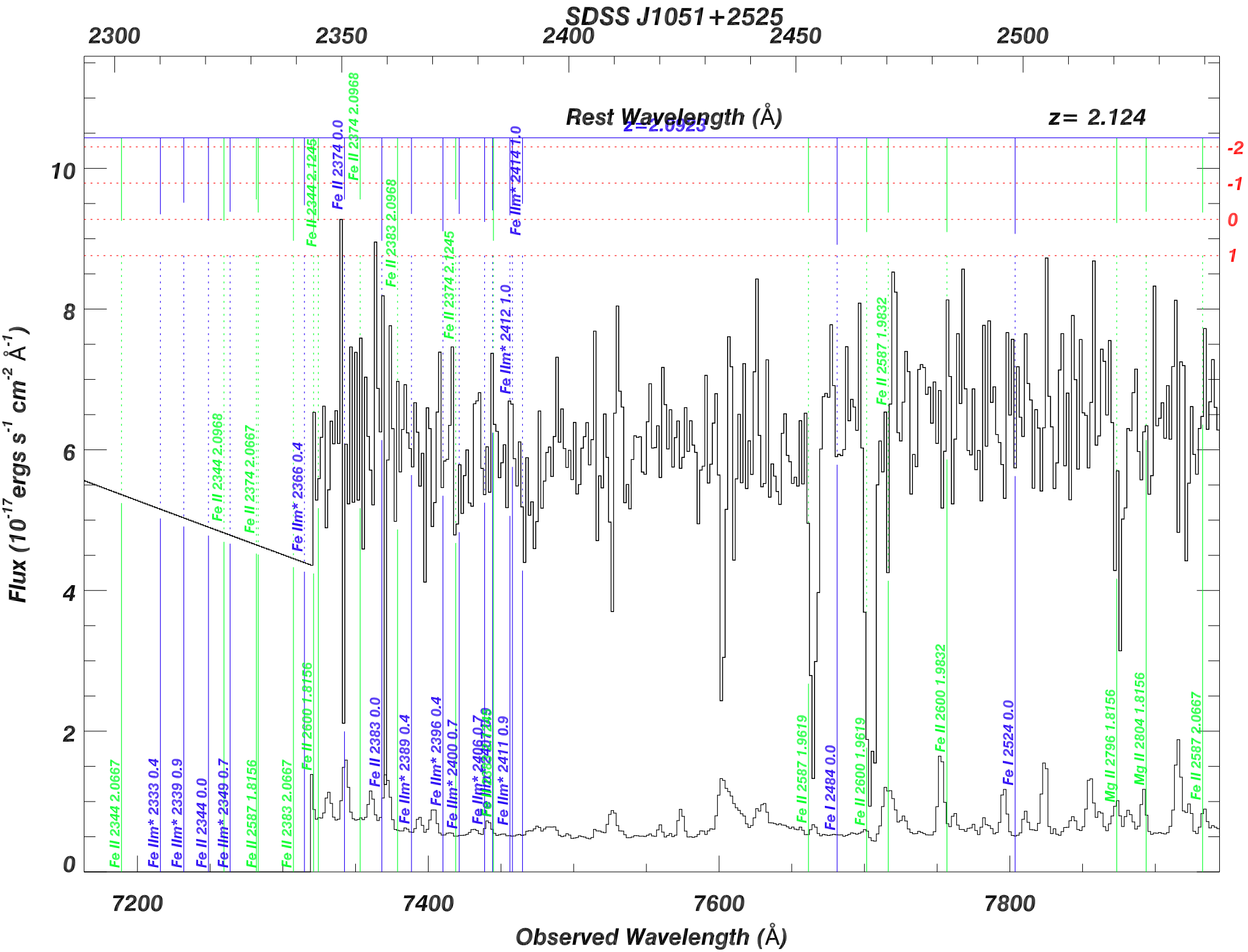

SDSS J1051+2525
Rest Wavelength (Å)
z= 2.124
z=2.0923
Observed Wavelength (Å)
Flux (10^{-17} ergs s^{-1} cm^{-2} Å^{-1})
1250
1300
1350
1400
1450
4000
4200
4400
0
10
20
30
40
-2
-1
0
1
N V 1239 2.1245
Si II 1260 2.0667
N V 1243 2.0968
N V 1239 2.0968
N V 1243 2.0667
N V 1239 0.0
N V 1243 0.0
N V 1243 2.1245
Si II 1260 0.0
Si II 1260 2.0968
Si IIm* 1265 0.3
Si IV 1394 1.8156
Si II 1260 2.1245
Ca II
Ca II
C II 1335 1.9832
O I 1302 0.0
Si II 1304 0.0
C II 1335 2.0667
C IIm* 1336 0.06
Si IV 1394 1.9619
C II 1335 0.0
Si IV 1403 1.9619
Si IV 1394 1.9832
C II 1335 2.1245
Si IV 1403 1.9832
Si IV 1394 2.0667
Si II 1527 1.8156
Si IV 1403 2.0667
Si IV 1394 2.0968
Si IV 1394 0.0
Si IV 1403 0.0
Si IV 1403 2.0968
Si IV 1394 2.1245
C IV 1548 1.8156
C IV 1551 1.8156
Si IV 1403 2.1245
Fe II 1608 1.8156
Si II 1527 1.9619
Si II 1527 1.9832
C IV 1548 1.9619

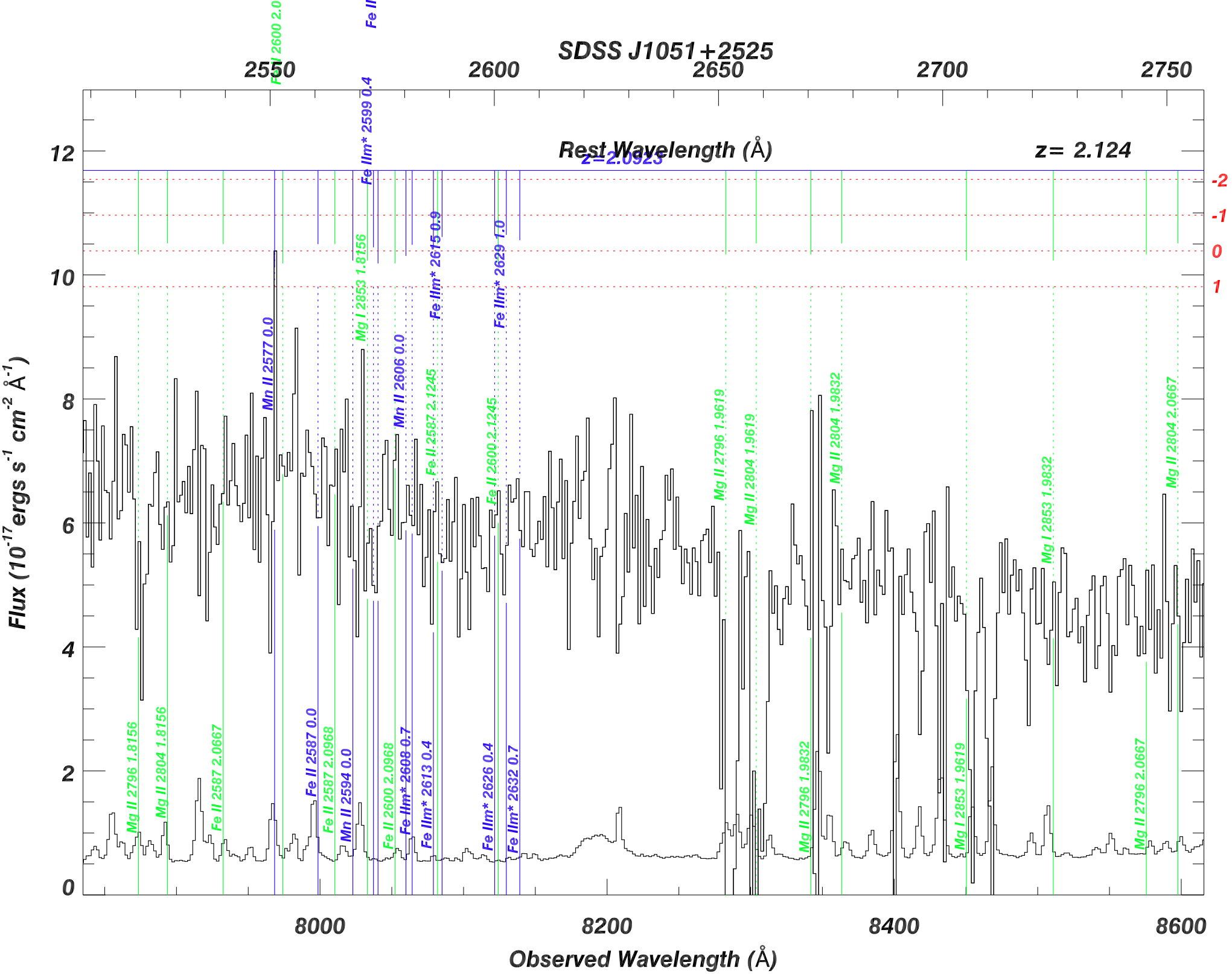

SDSS J1051+2525
Rest Wavelength (Å)
z=2.0923
z= 2.124
Observed Wavelength (Å)
Flux (10^{-17} ergs s^{-1} cm^{-2} Å^{-1})
Si II 1527 1.9619
Fe II 1608 1.8156
Si II 1527 1.9832
C IV 1548 1.9619
C IV 1551 1.9619
C IV 1548 1.9832
C IV 1551 1.9832
Si II 1527 2.0667
Al II 1671 1.8156
Si II 1527 0.0
Si II 1527 2.0968
C IV 1548 2.0667
C IV 1551 2.0667
Fe II 1608 1.9619
Si II 1527 2.1245
C IV 1548 0.0
C IV 1551 0.0
C IV 1548 2.0968
C IV 1551 2.0968
Fe II 1608 1.9832
C I 1560 0.0
C Im* 1561 0.04
C IV 1548 2.1245
C IV 1551 2.1245
Fe II 1608 2.0667
Al II 1671 1.9619
Fe II 1608 0.0
Al II 1671 1.9832
Fe II 1608 2.0968
Fe II 1608 2.1245
C Im* 1657 0.04
Al II 1671 2.0667
C I 1657 0.0
Al II 1671 0.0
Al II 1671 2.0968
Al III 1855 1.8156
Al II 1671 2.1245
Al III 1863 1.8156

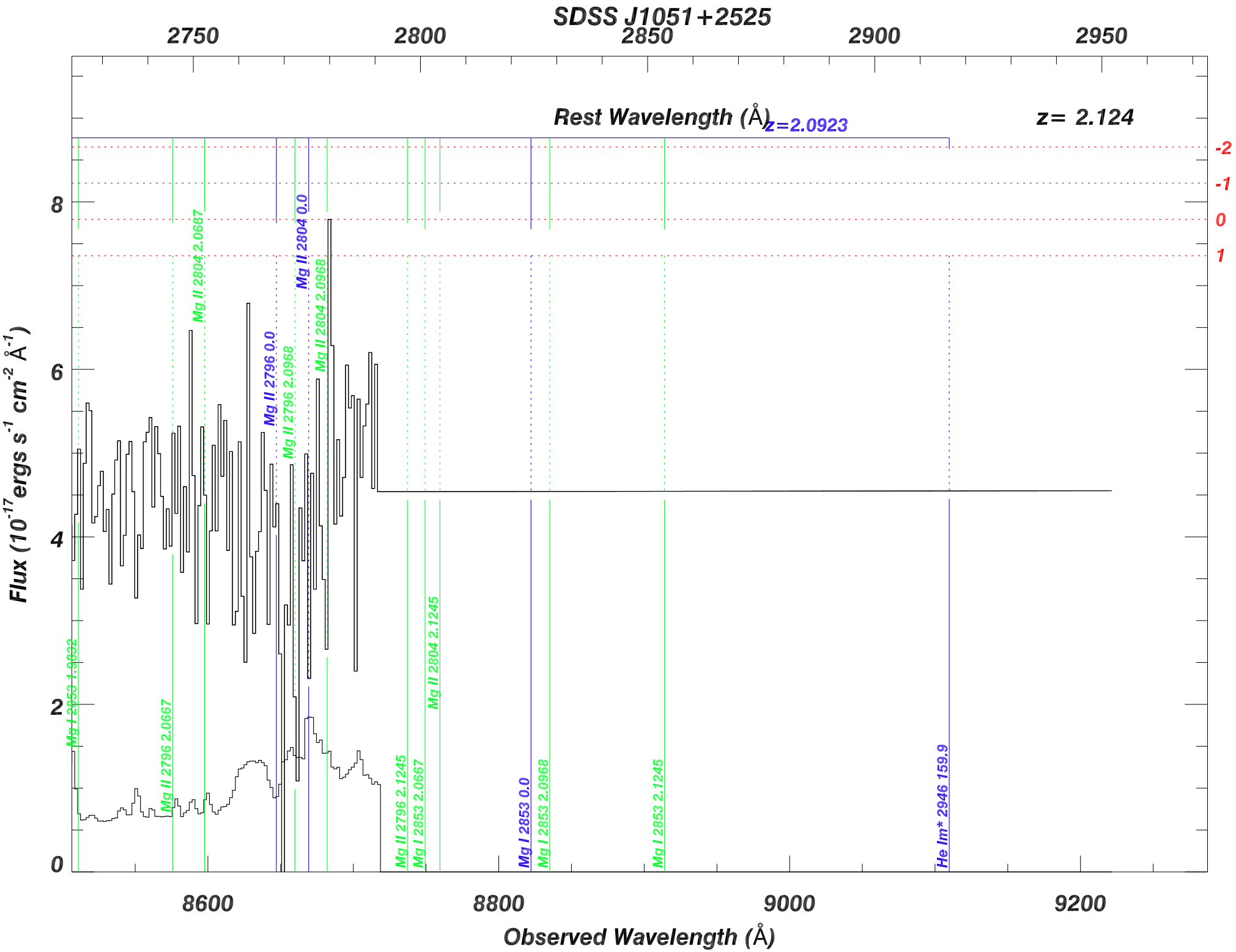

SDSS J1051+2525
Rest Wavelength (Å)
z=2.0923
z= 2.124
Flux (10^{-17} ergs s^{-1} cm^{-2} Å^{-1})
Observed Wavelength (Å)
Al II 1671 0.0
Al II 1671 2.0968
Al II 1671 2.1245
Al III 1855 1.8156
Al III 1863 1.8156
Al I 1766 0.0
Al Im* 1766 0.1
Al III 1855 1.9619
Al III 1863 1.9619
Al III 1855 1.9832
Al III 1863 1.9832
Si II 1808 0.0
Al III 1855 2.0667
Al III 1863 2.0667
Al III 1855 0.0
Al III 1855 2.0968
Al III 1863 0.0
Al III 1863 2.0968
Al III 1855 2.1245
Al III 1863 2.1245
Na I


SDSS J1051+2525
Rest Wavelength (Å)
z= 2.124
z=2.0923
Al Im* 1936 0.1
Al I 1932 0.0
Na I
O I
Fe II 2344 1.8156
-2
-1
0
1
Flux (10^{-17} ergs s^{-1} cm^{-2} Å^{-1})
Observed Wavelength (Å)
1900
1950
2000
2050
2100
6000
6200
6400
6600
0
5
10
15
20
25


SDSS J1051+2525
Rest Wavelength (Å)
z= 2.124
z=2.0923
2100
2150
2200
2250
2300
-2
-1
0
1
12
10
8
6
4
2
0
Flux (10^{-17} ergs s^{-1} cm^{-2} Å^{-1})
Fe II 2344 1.8156
Fe II 2374 1.8156
Fe II 2383 1.8156
Fe II 2344 1.9619
Fe II 2344 1.9832
Fe II 2374 1.9619
Fe II 2383 1.9619
Fe II 2374 1.9832
Fe II 2383 1.9832
Fe II 2344 2.0667
Fe IIm* 2333 0.4
Fe IIm* 2339 0.9
Fe II 2344 0.0
Fe IIm* 2349 0.7
Fe II 2344 2.0968
6600
6800
7000
7200
Observed Wavelength (Å)


SDSS J1051+2525
Rest Wavelength (Å)
z= 2.124
Observed Wavelength (Å)
Flux (10^{-17} ergs s^{-1} cm^{-2} Å^{-1})
Fe II 2344 2.0667
Fe IIm* 2333 0.4
Fe IIm* 2339 0.9
Fe II 2344 0.0
Fe IIm* 2349 0.7
Fe II 2587 1.8156
Fe II 2383 2.0667
Fe II 2600 1.8156
Fe IIm* 2366 0.4
Fe II 2344 2.1245
Fe II 2374 0.0
Fe II 2374 2.0968
Fe II 2383 0.0
Fe II 2383 2.0968
Fe IIm* 2389 0.4
Fe IIm* 2396 0.4
Fe IIm* 2400 0.7
Fe II 2374 2.1245
Fe IIm* 2406 0.7
Fe IIm* 2411 0.9
Fe IIm* 2412 1.0
Fe IIm* 2414 1.0
Fe II 2587 1.9619
Fe I 2484 0.0
Fe II 2600 1.9619
Fe II 2587 1.9832
Fe II 2600 1.9832
Fe I 2524 0.0
Mg II 2796 1.8156
Mg II 2804 1.8156
Fe II 2587 2.0667


SDSS J1051+2525
Rest Wavelength (Å)
z= 2.124
z=2.0923
Observed Wavelength (Å)
Flux (10^{-17} ergs s^{-1} cm^{-2} Å^{-1})
2550
2600
2650
2700
2750
8000
8200
8400
8600
0
2
4
6
8
10
12
-2
-1
0
1
Fe II 2600 2.0
Fe II
Fe IIm* 2599 0.4
Mg I 2853 1.8156
Mn II 2577 0.0
Mn II 2606 0.0
Fe IIm* 2615 0.9
Fe IIm* 2629 1.0
Fe II 2587 2.1245
Fe II 2600 2.1245
Mg II 2796 1.9619
Mg II 2804 1.9619
Mg II 2804 1.9832
Mg I 2853 1.9832
Mg II 2804 2.0667
Mg II 2796 1.8156
Mg II 2804 1.8156
Fe II 2587 2.0667
Fe II 2587 0.0
Fe II 2587 2.0968
Mn II 2594 0.0
Fe II 2600 2.0968
Fe IIm* 2608 0.7
Fe IIm* 2613 0.4
Fe IIm* 2626 0.4
Fe IIm* 2632 0.7
Mg II 2796 1.9832
Mg I 2853 1.9619
Mg II 2796 2.0667


SDSS J1051+2525
Rest Wavelength (Å)
z=2.0923
z= 2.124
Flux (10^{-17} ergs s^{-1} cm^{-2} Å^{-1})
Observed Wavelength (Å)
Mg I 2853 1.9932
Mg II 2796 2.0667
Mg II 2804 2.0667
Mg II 2796 0.0
Mg II 2796 2.0968
Mg II 2804 0.0
Mg II 2804 2.0968
Mg II 2796 2.1245
Mg I 2853 2.0667
Mg II 2804 2.1245
Mg I 2853 0.0
Mg I 2853 2.0968
Mg I 2853 2.1245
He Im* 2946 159.9