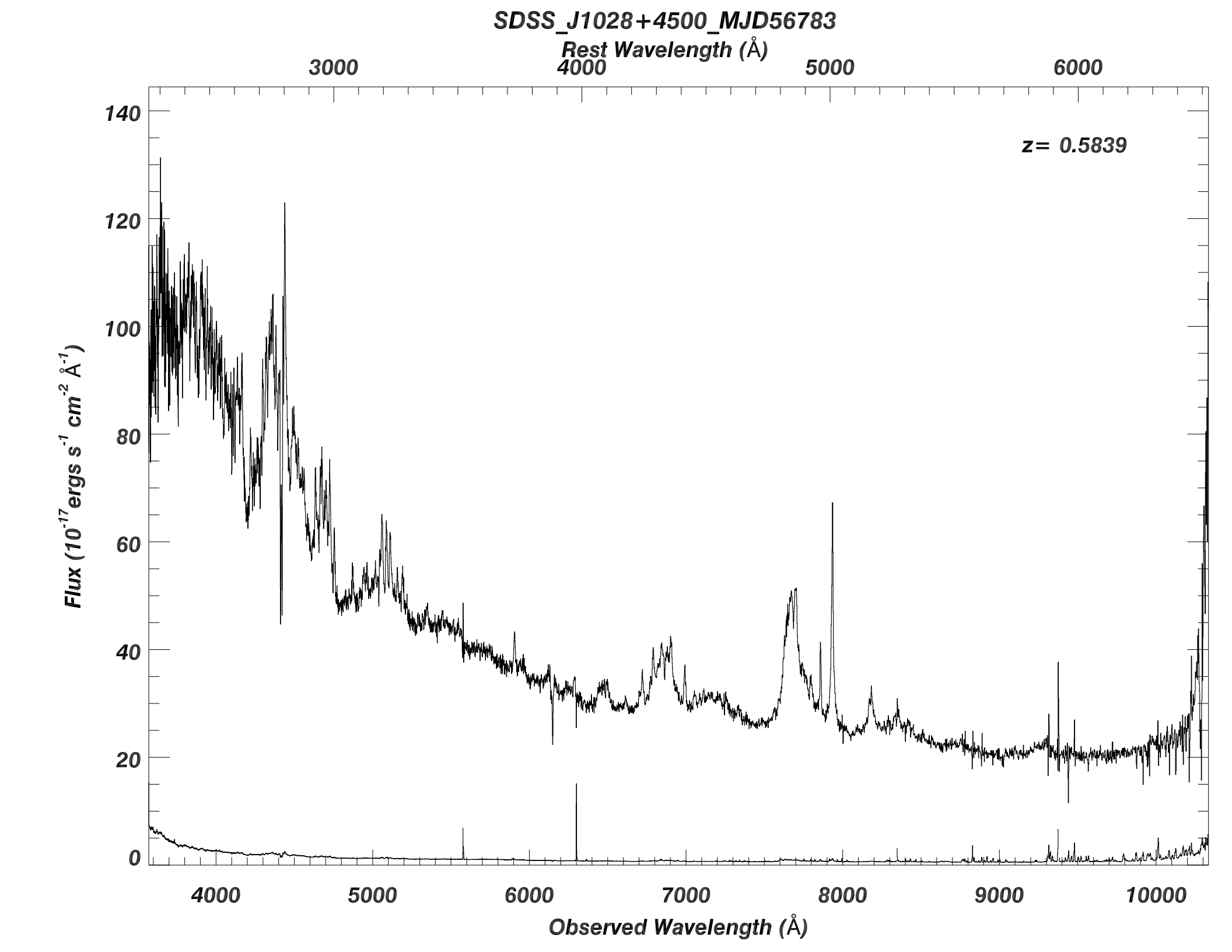
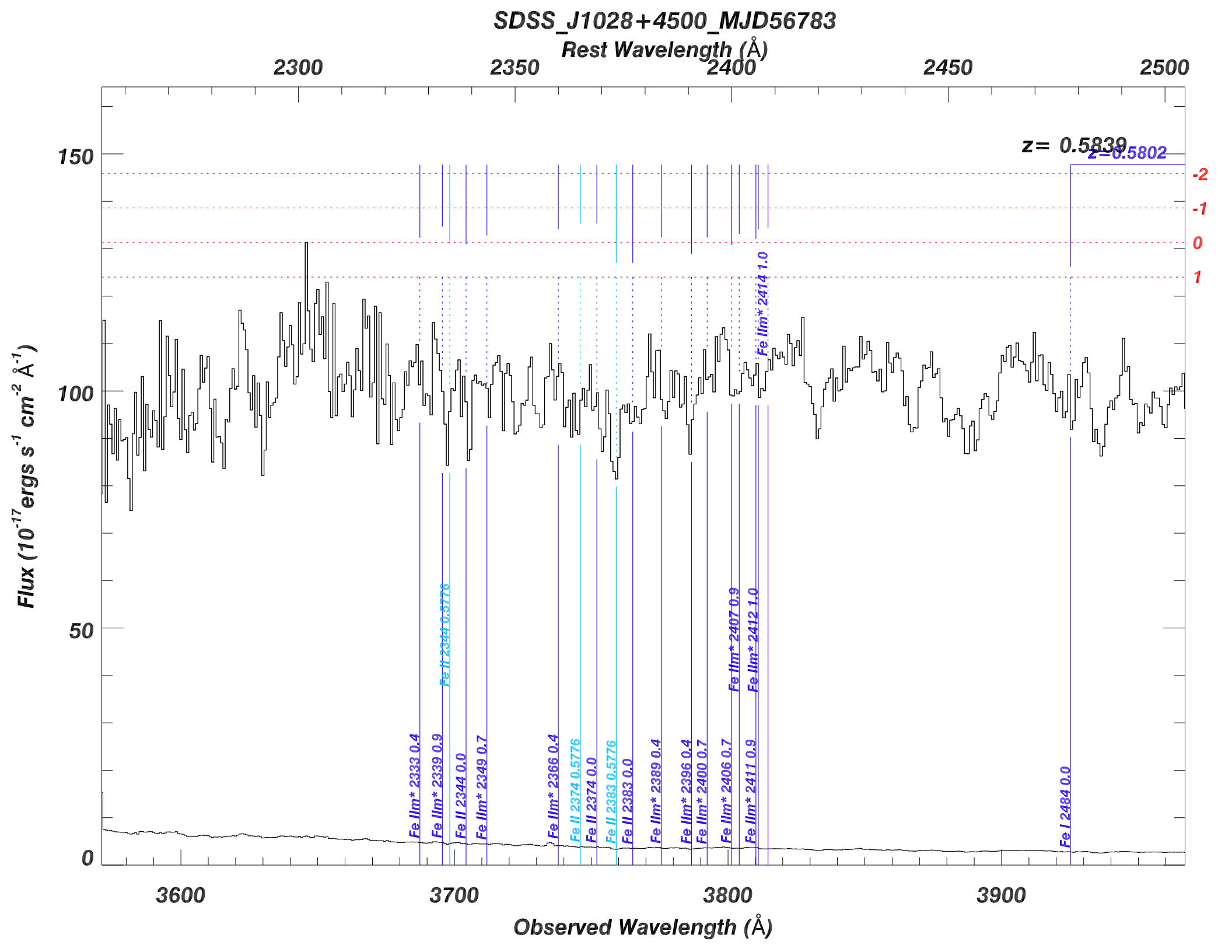
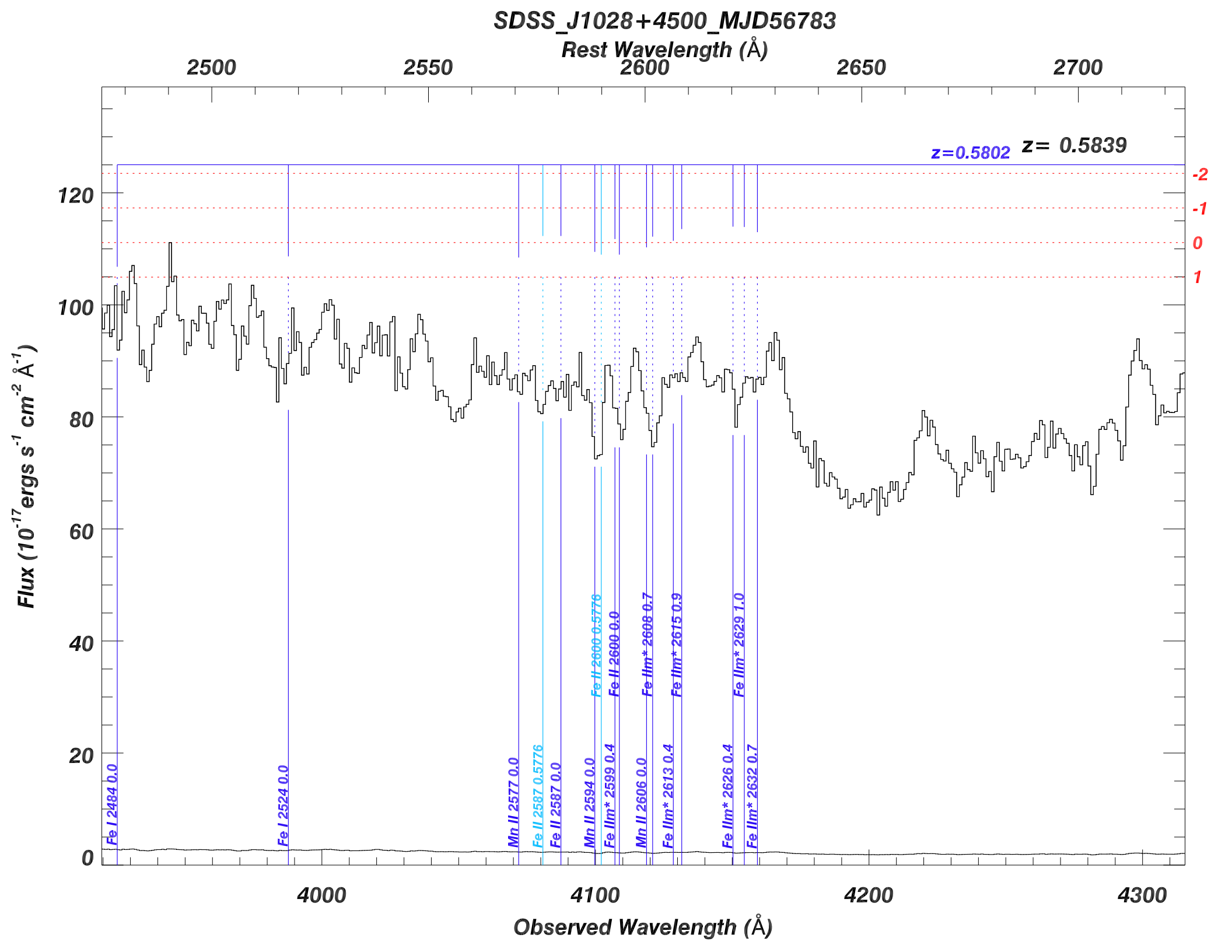
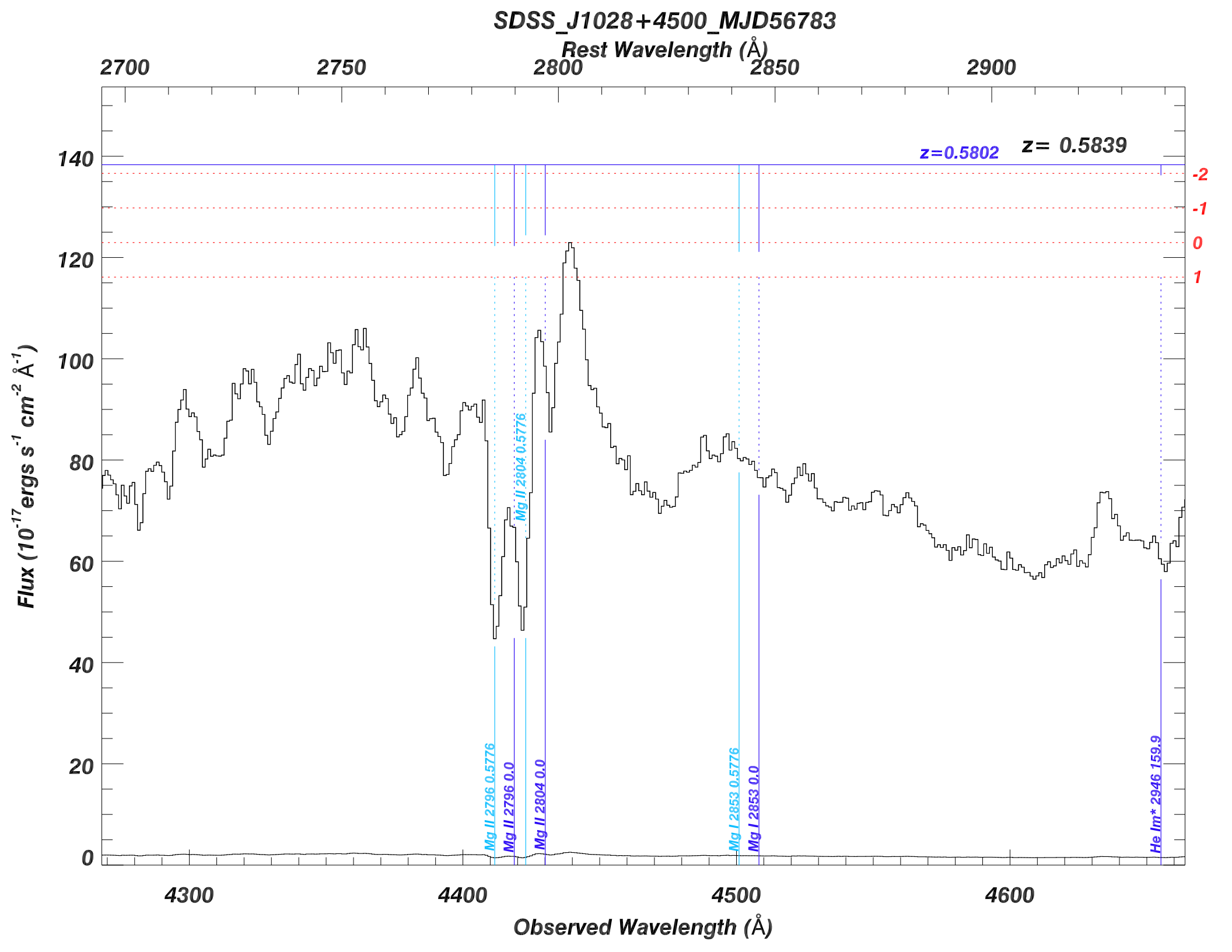
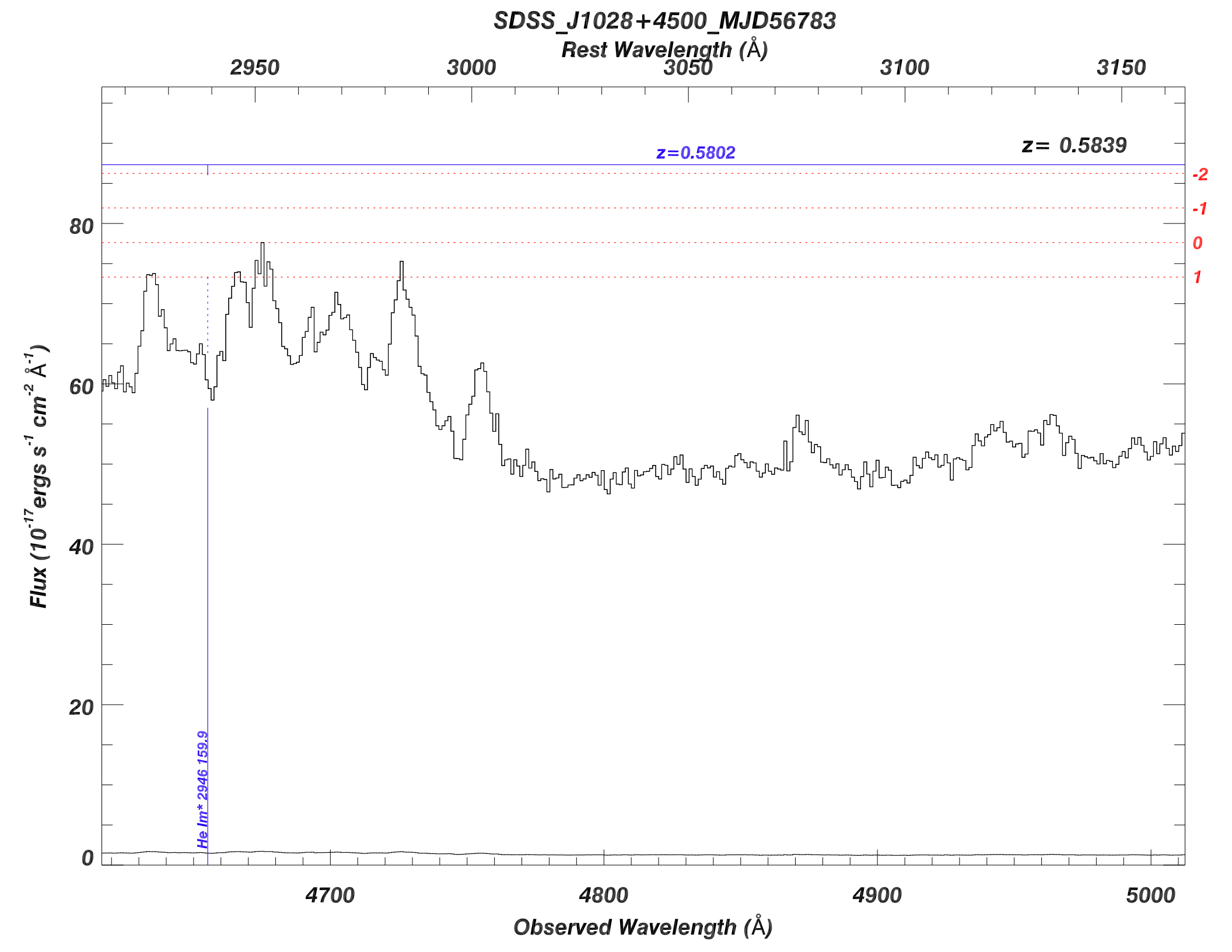
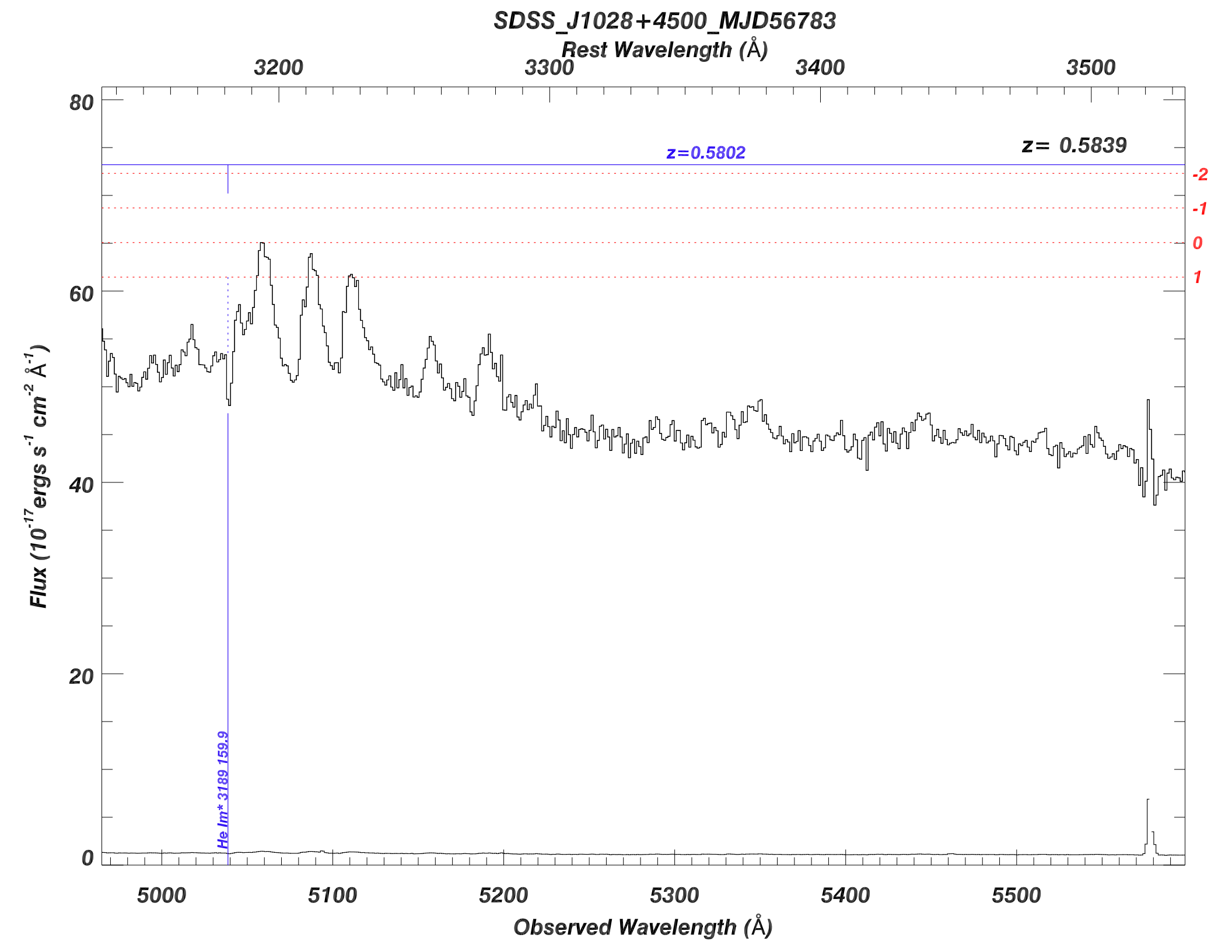

SDSS_J1028+4500_MJD56783
Rest Wavelength (Å)
3000
4000
5000
6000
z= 0.5839
Flux (10^{-17} ergs s^{-1} cm^{-2} Å^{-1})
0
20
40
60
80
100
120
140
4000
5000
6000
7000
8000
9000
10000
Observed Wavelength (Å)

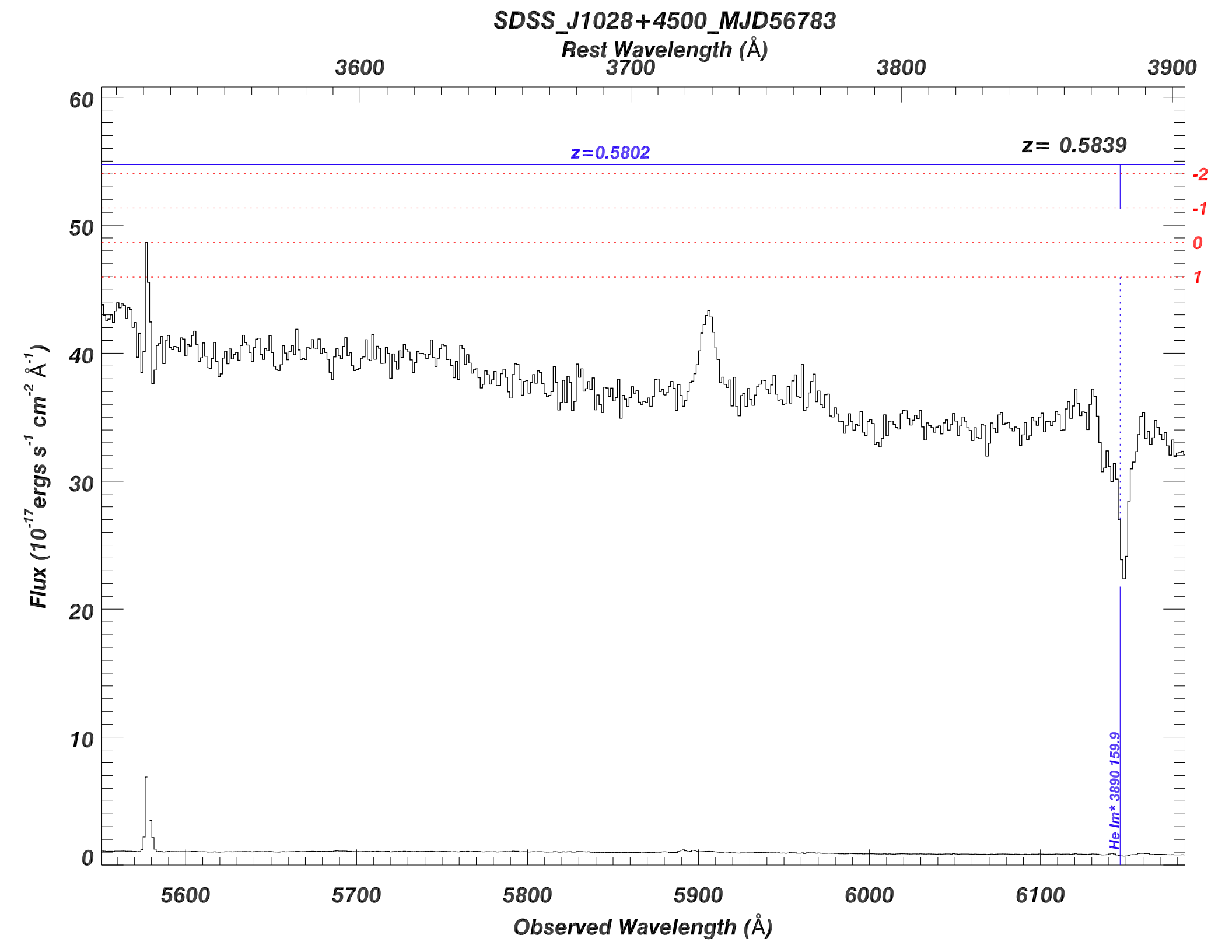

SDSS_J1028+4500_MJD56783
Rest Wavelength (Å)
2300
2350
2400
2450
2500
z= 0.5839
z=0.5802
-2
-1
0
1
150
100
50
0
Flux (10^{-17} ergs s^{-1} cm^{-2} Å^{-1})
Fe IIm* 2333 0.4
Fe IIm* 2339 0.9
Fe II 2344 0.5776
Fe II 2344 0.0
Fe IIm* 2349 0.7
Fe IIm* 2366 0.4
Fe II 2374 0.5776
Fe II 2374 0.0
Fe II 2383 0.5776
Fe II 2383 0.0
Fe IIm* 2389 0.4
Fe IIm* 2396 0.4
Fe IIm* 2400 0.7
Fe IIm* 2406 0.7
Fe IIm* 2407 0.9
Fe IIm* 2411 0.9
Fe IIm* 2412 1.0
Fe IIm* 2414 1.0
Fe I 2484 0.0
3600
3700
3800
3900
Observed Wavelength (Å)

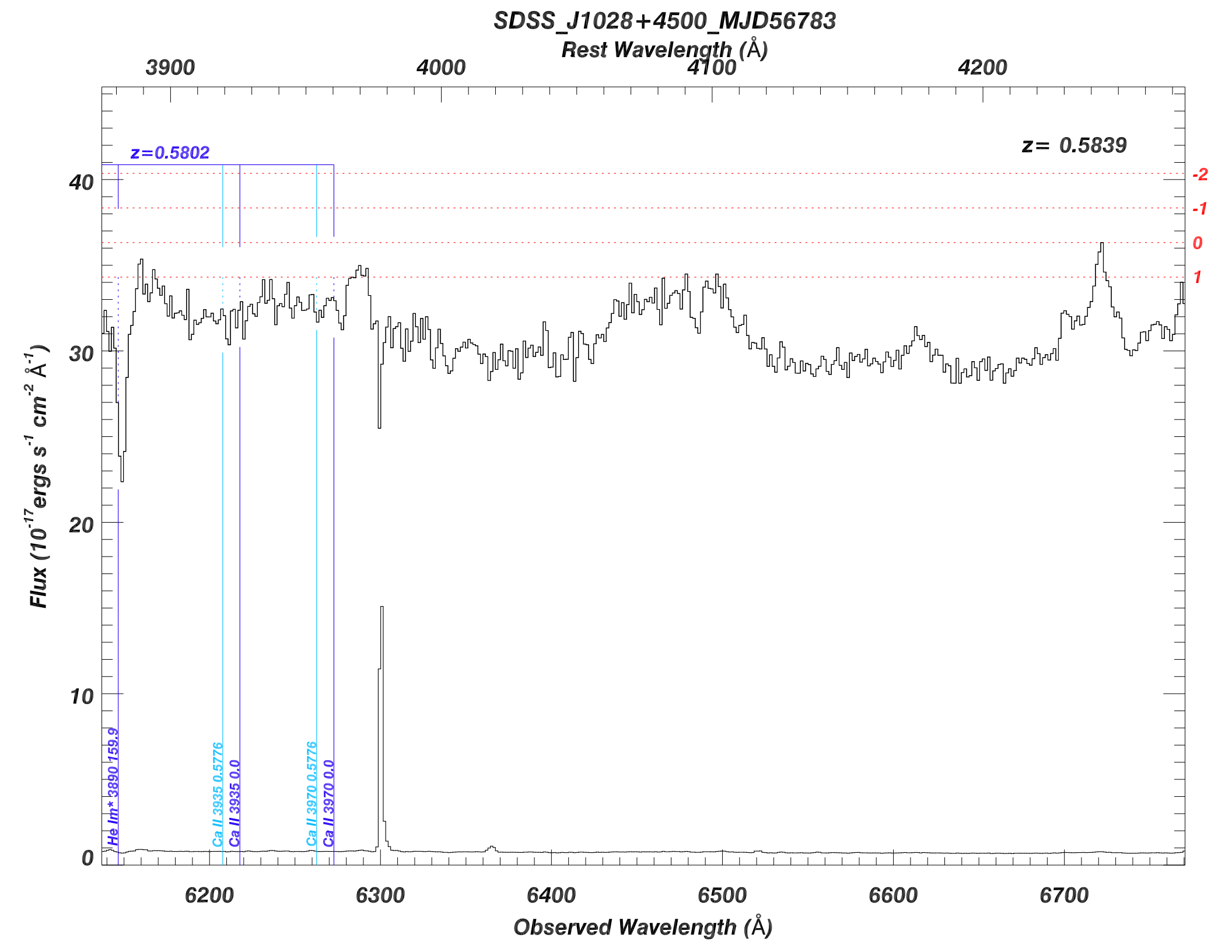

SDSS_J1028+4500_MJD56783
Rest Wavelength (Å)
2500
2550
2600
2650
2700
z=0.5802
z= 0.5839
-2
-1
0
1
120
100
80
60
40
20
0
Flux (10^-17 ergs s^-1 cm^-2 Å^-1)
Fe I 2484 0.0
Fe I 2524 0.0
Mn II 2577 0.0
Fe II 2587 0.5776
Fe II 2587 0.0
Mn II 2594 0.0
Fe II 2600 0.5776
Fe IIm* 2599 0.4
Fe II 2600 0.0
Mn II 2606 0.0
Fe IIm* 2608 0.7
Fe IIm* 2613 0.4
Fe IIm* 2615 0.9
Fe IIm* 2626 0.4
Fe IIm* 2629 1.0
Fe IIm* 2632 0.7
4000
4100
4200
4300
Observed Wavelength (Å)

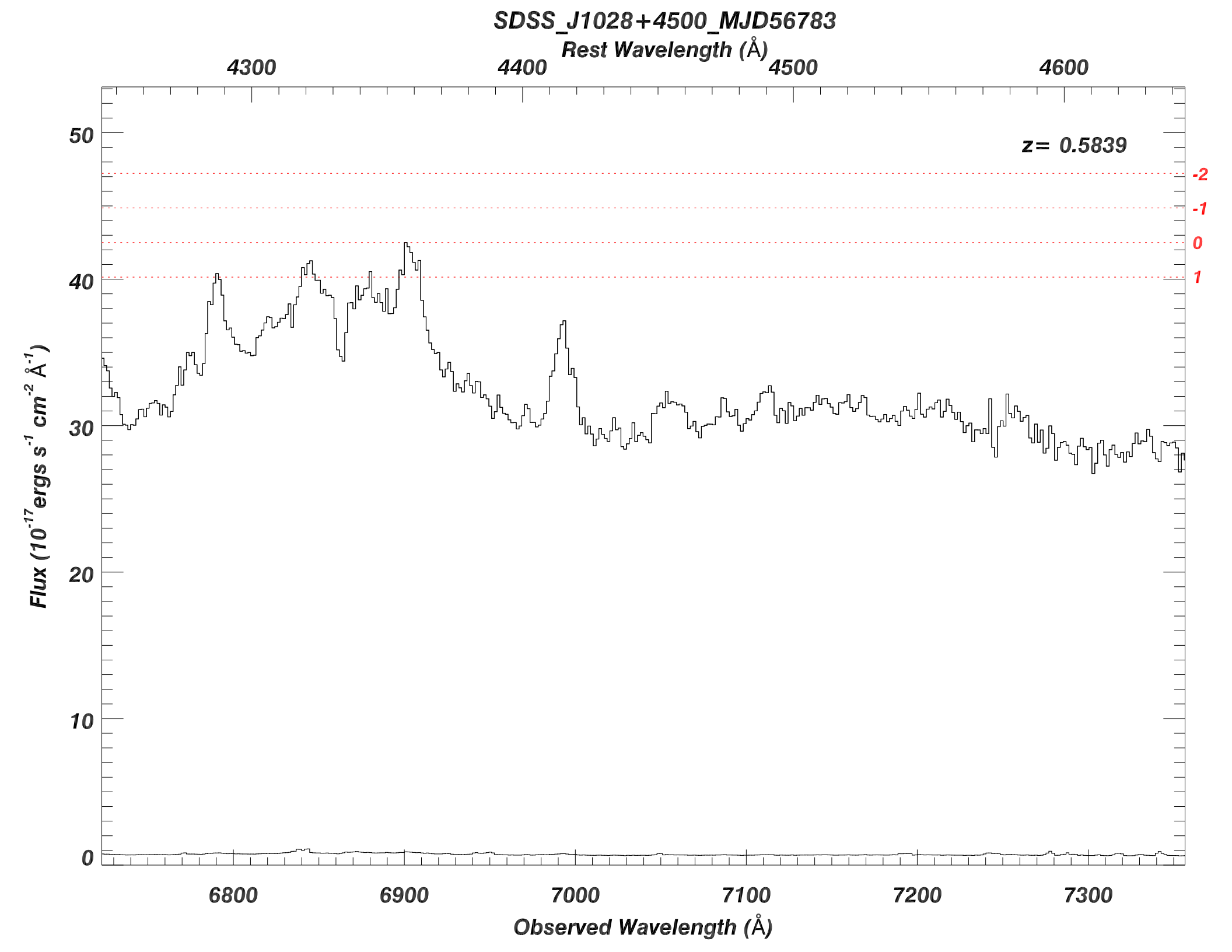

SDSS_J1028+4500_MJD56783
Rest Wavelength (Å)
2700
2750
2800
2850
2900
z=0.5802
z= 0.5839
-2
-1
0
1
140
120
100
80
60
40
20
0
Flux (10^-17 ergs s^-1 cm^-2 Å^-1)
Mg II 2796 0.5776
Mg II 2796 0.0
Mg II 2804 0.5776
Mg II 2804 0.0
Mg I 2853 0.5776
Mg I 2853 0.0
He Im* 2946 159.9
4300
4400
4500
4600
Observed Wavelength (Å)

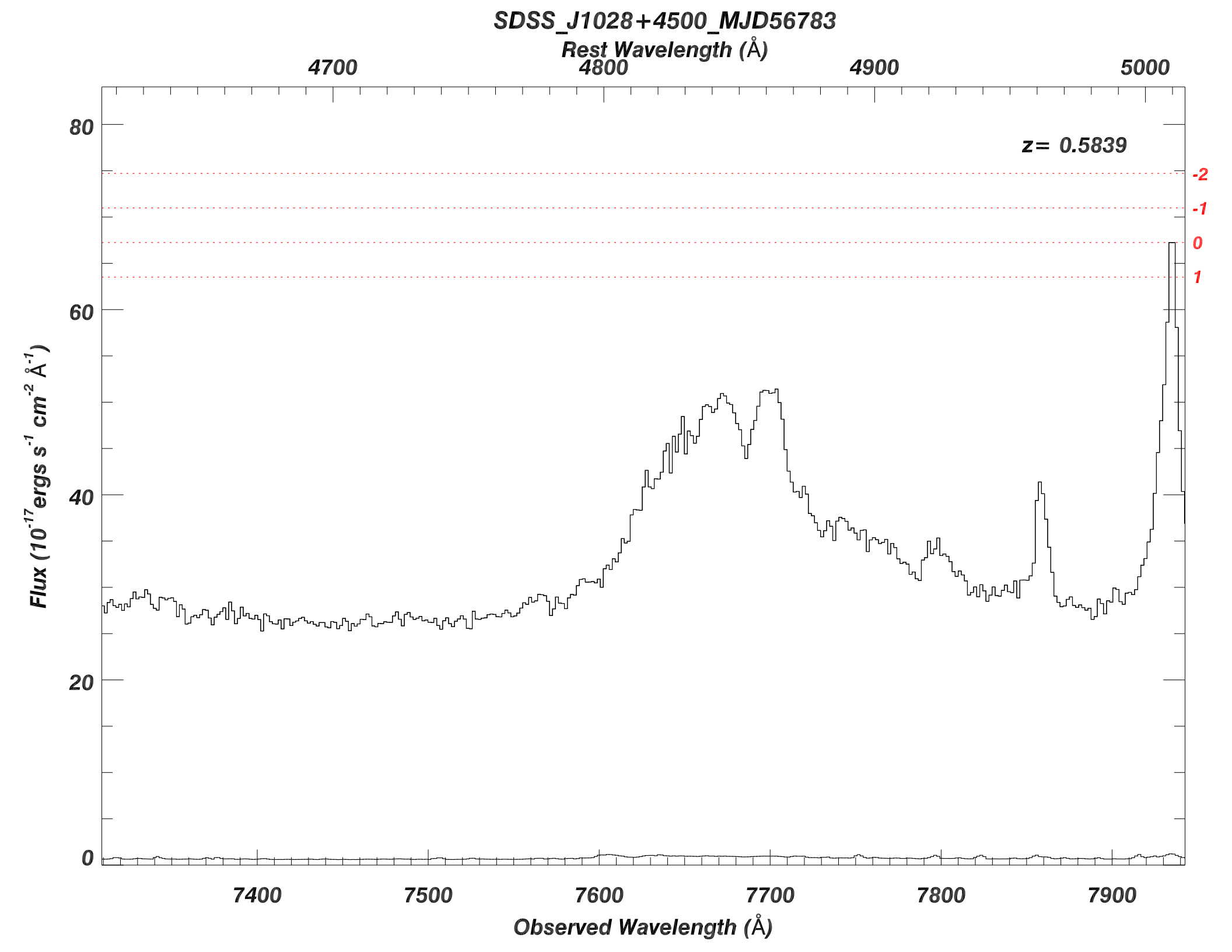

SDSS_J1028+4500_MJD56783
Rest Wavelength (Å)
2950
3000
3050
3100
3150
z=0.5802
z= 0.5839
-2
-1
0
1
80
60
40
20
0
Flux (10^-17 ergs s^-1 cm^-2 Å^-1)
He Im* 2946 159.9
4700
4800
4900
5000
Observed Wavelength (Å)

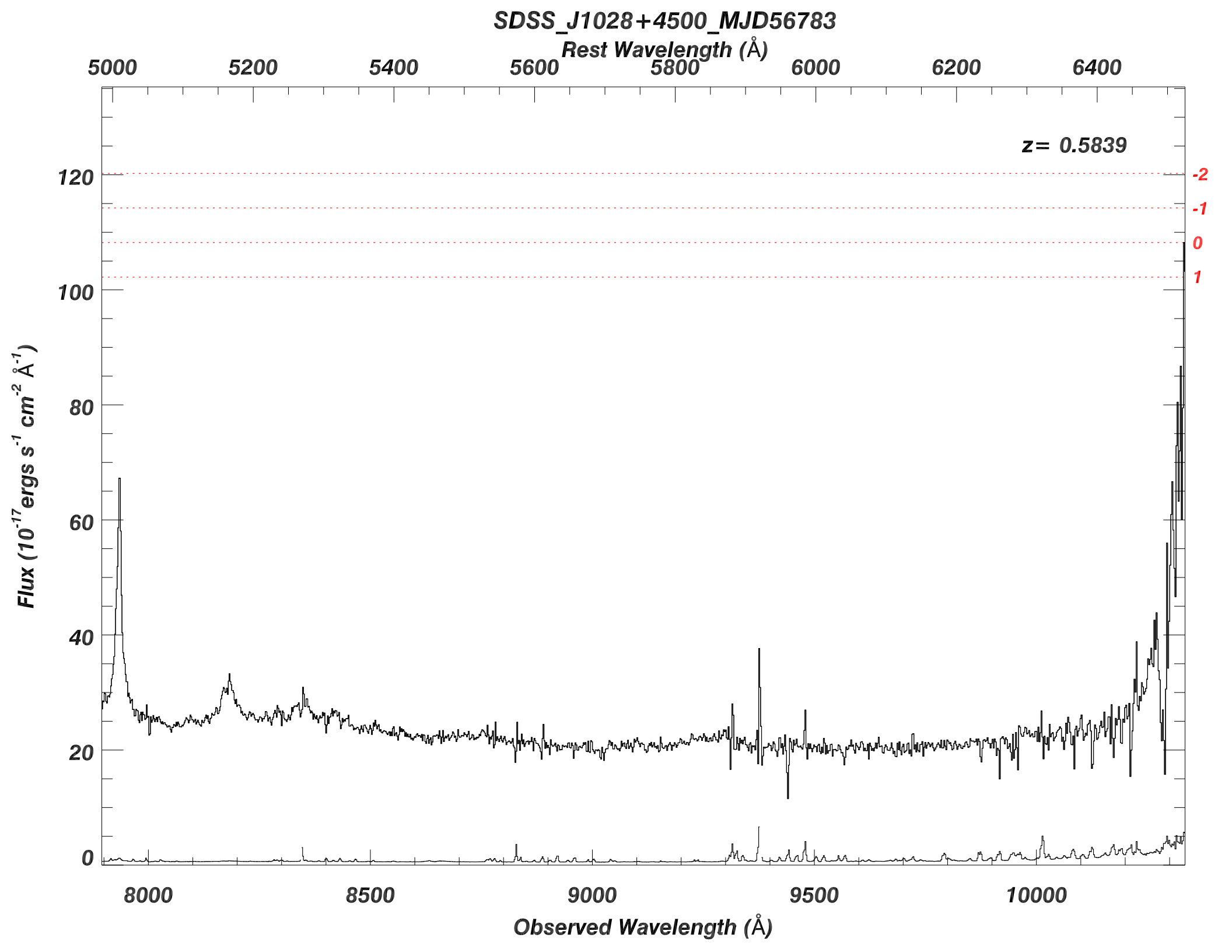

SDSS_J1028+4500_MJD56783
Rest Wavelength (Å)
3200
3300
3400
3500
z=0.5802
z= 0.5839
-2
-1
0
1
80
60
40
20
0
Flux (10^-17 ergs s^-1 cm^-2 Å^-1)
He Im* 3189 159.9
5000
5100
5200
5300
5400
5500
Observed Wavelength (Å)


SDSS_J1028+4500_MJD56783
Rest Wavelength (Å)
3600
3700
3800
3900
z=0.5802
z= 0.5839
-2
-1
0
1
He Im* 3890 159.9
60
50
40
30
20
10
0
Flux (10^-17 ergs s^-1 cm^-2 Å^-1)
5600
5700
5800
5900
6000
6100
Observed Wavelength (Å)


SDSS_J1028+4500_MJD56783
Rest Wavelength (Å)
3900
4000
4100
4200
z=0.5802
z= 0.5839
-2
-1
0
1
40
30
20
10
0
Flux (10^{-17} ergs s^{-1} cm^{-2} Å^{-1})
He Im* 3890 159.9
Ca II 3935 0.5776
Ca II 3935 0.0
Ca II 3970 0.5776
Ca II 3970 0.0
6200
6300
6400
6500
6600
6700
Observed Wavelength (Å)


SDSS_J1028+4500_MJD56783
Rest Wavelength (Å)
4300
4400
4500
4600
z= 0.5839
-2
-1
0
1
50
40
30
20
10
0
Flux (10^-17 ergs s^-1 cm^-2 Å^-1)
6800
6900
7000
7100
7200
7300
Observed Wavelength (Å)


SDSS_J1028+4500_MJD56783
Rest Wavelength (Å)
4700
4800
4900
5000
z= 0.5839
-2
-1
0
1
80
60
40
20
0
Flux (10^{-17} ergs s^{-1} cm^{-2} Å^{-1})
7400
7500
7600
7700
7800
7900
Observed Wavelength (Å)


SDSS_J1028+4500_MJD56783
Rest Wavelength (Å)
5000
5200
5400
5600
5800
6000
6200
6400
z= 0.5839
-2
-1
0
1
120
100
80
60
40
20
0
Flux (10^-17 ergs s^-1 cm^-2 Å^-1)
8000
8500
9000
9500
10000
Observed Wavelength (Å)