

SDSS_J1219-0100_MJD52000

Rest Wavelength (Å)

1500

2000

2500

3000

3500

z = 1.577

Flux (10^{-17} ergs s^{-1} cm^{-2} \AA^{-1})

150

100

50

0

4000

5000

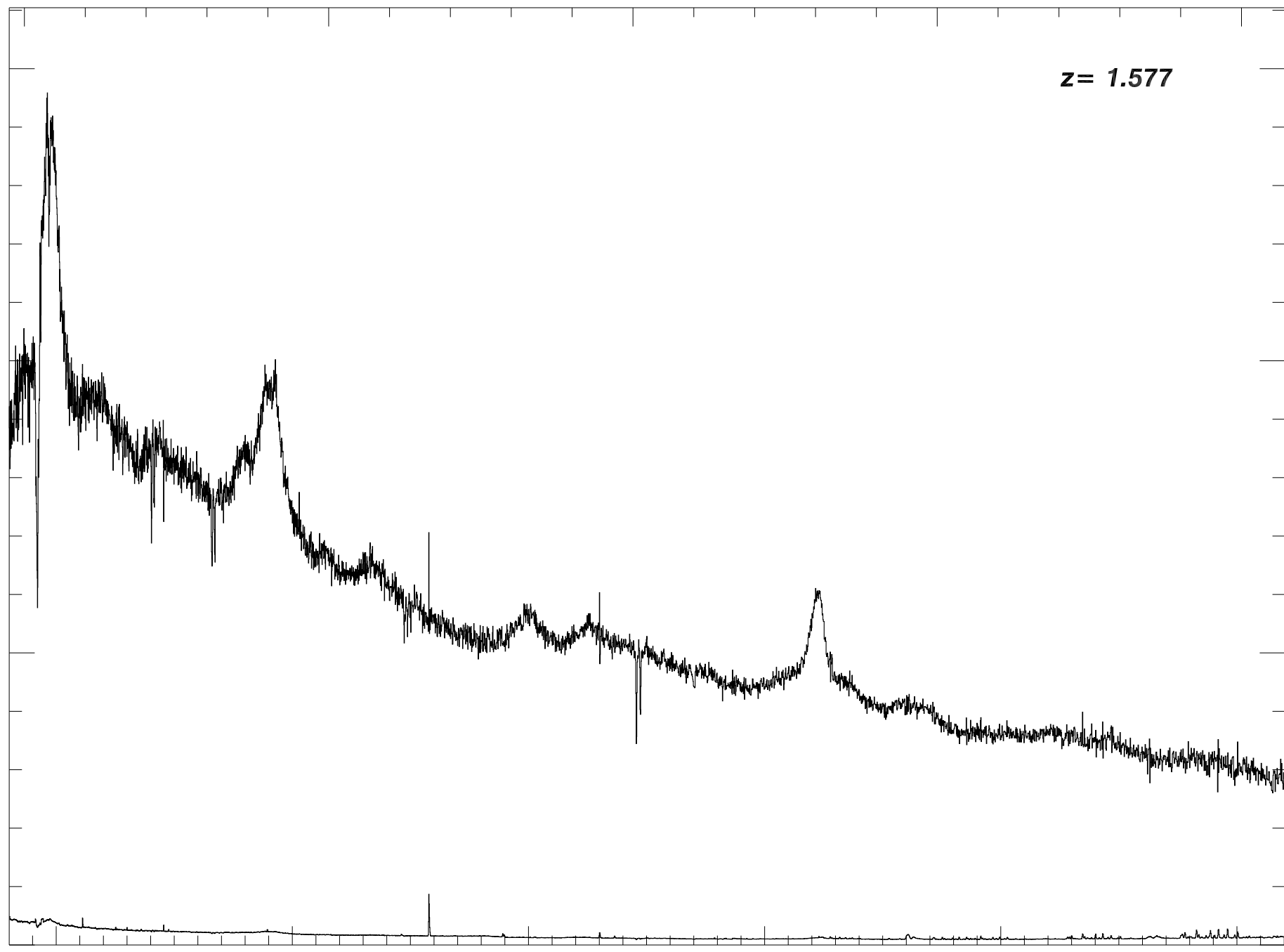
6000

7000

8000

9000

Observed Wavelength (Å)



SDSS_J1219-0100_MJD52000

Rest Wavelength (\AA)

1500

1550

1600

1650

1700

Flux ($10^{-17} \text{ ergs s}^{-1} \text{ cm}^{-2} \text{ \AA}^{-1}$)

150

100

50

0

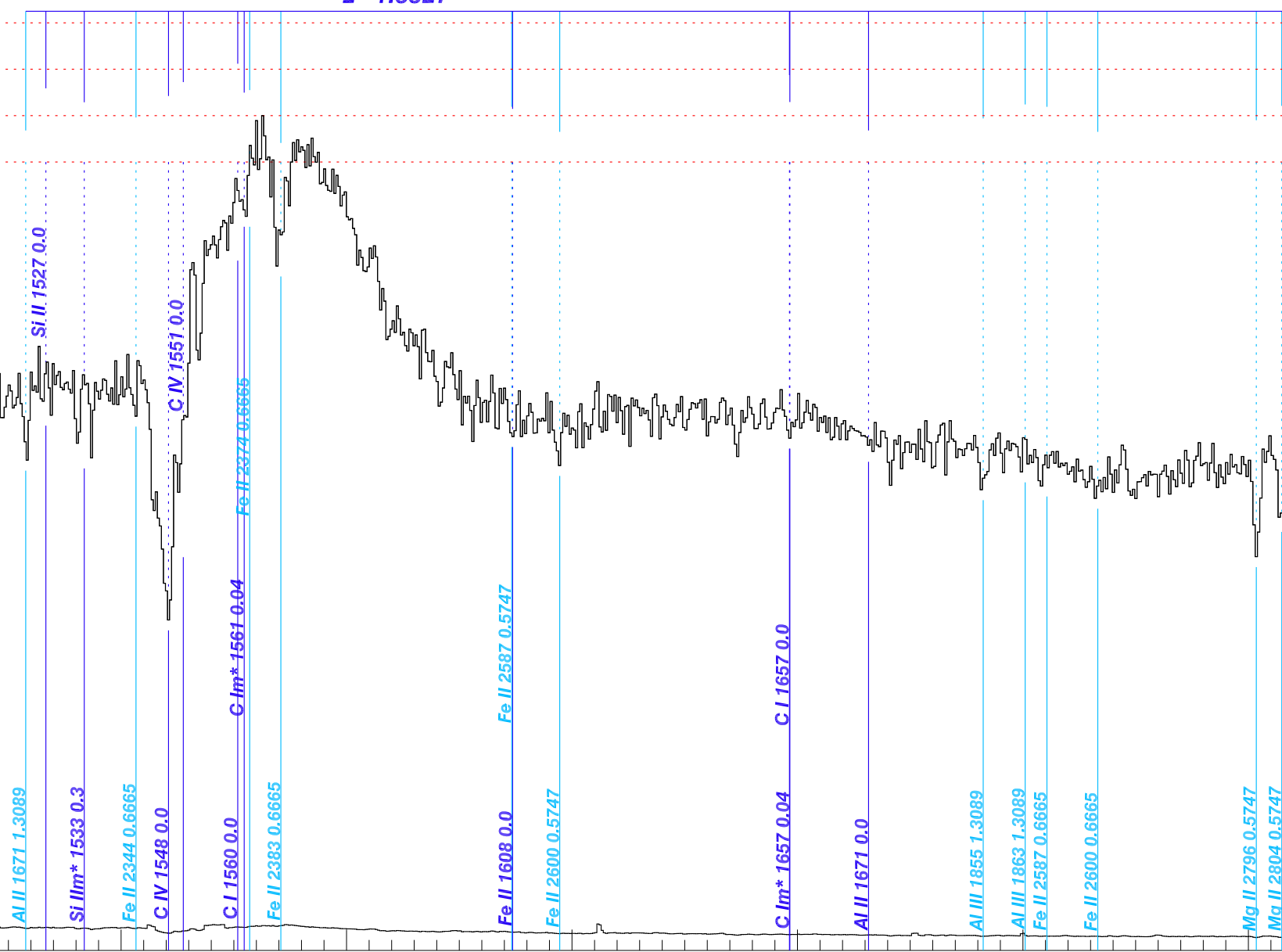
 $z=1.5327$ $z=1.577$

-2

-1

0

1



3900

4000

4100

4200

4300

4400

Observed Wavelength (\AA)

SDSS_J1219-0100_MJD52000

Rest Wavelength (\AA)

1700

1750

1800

1850

1900

$z=1.5327$

$z=1.577$

Flux ($10^{-17} \text{ ergs s}^{-1} \text{ cm}^{-2} \text{ \AA}^{-1}$)

120
100
80
60
40
20
0

-2
-1
0
1

4400

4500

4600

4700

4800

4900

5000

Observed Wavelength (\AA)

Mg II 2796 0.5747

Mg II 2804 0.5747

Al I 1766 0.0

Al Im* 1766 0.1

Mg I 2853 0.5747

Mg II 2796 0.6665

Mg II 2804 0.6665

Al III 1855 0.0

Al III 1863 0.0

Mg I 2853 0.6665

Al I 1932 0.0

Al Im* 1936 0.1

SDSS_J1219-0100_MJD52000

Rest Wavelength (\AA)

1950

2000

2050

2100

2150

$z=1.5327$

$z=1.577$

100

80

60

40

20

0

-2

-1

0

1

Flux ($10^{-17} \text{ ergs s}^{-1} \text{ cm}^{-2} \text{ \AA}^{-1}$)

5000

5100

5200

5300

5400

5500

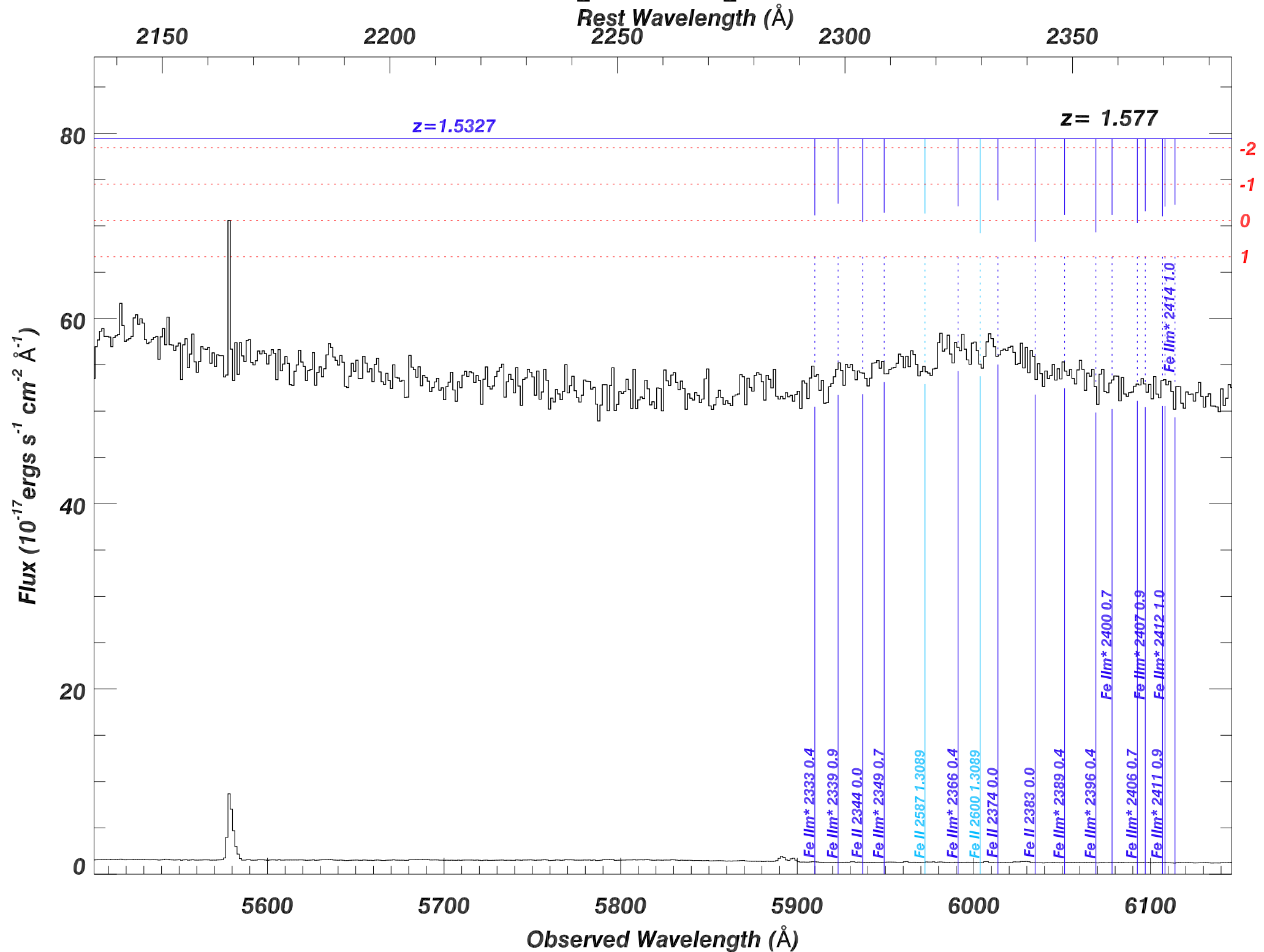
Observed Wavelength (\AA)

Fe II 2344 1.3089

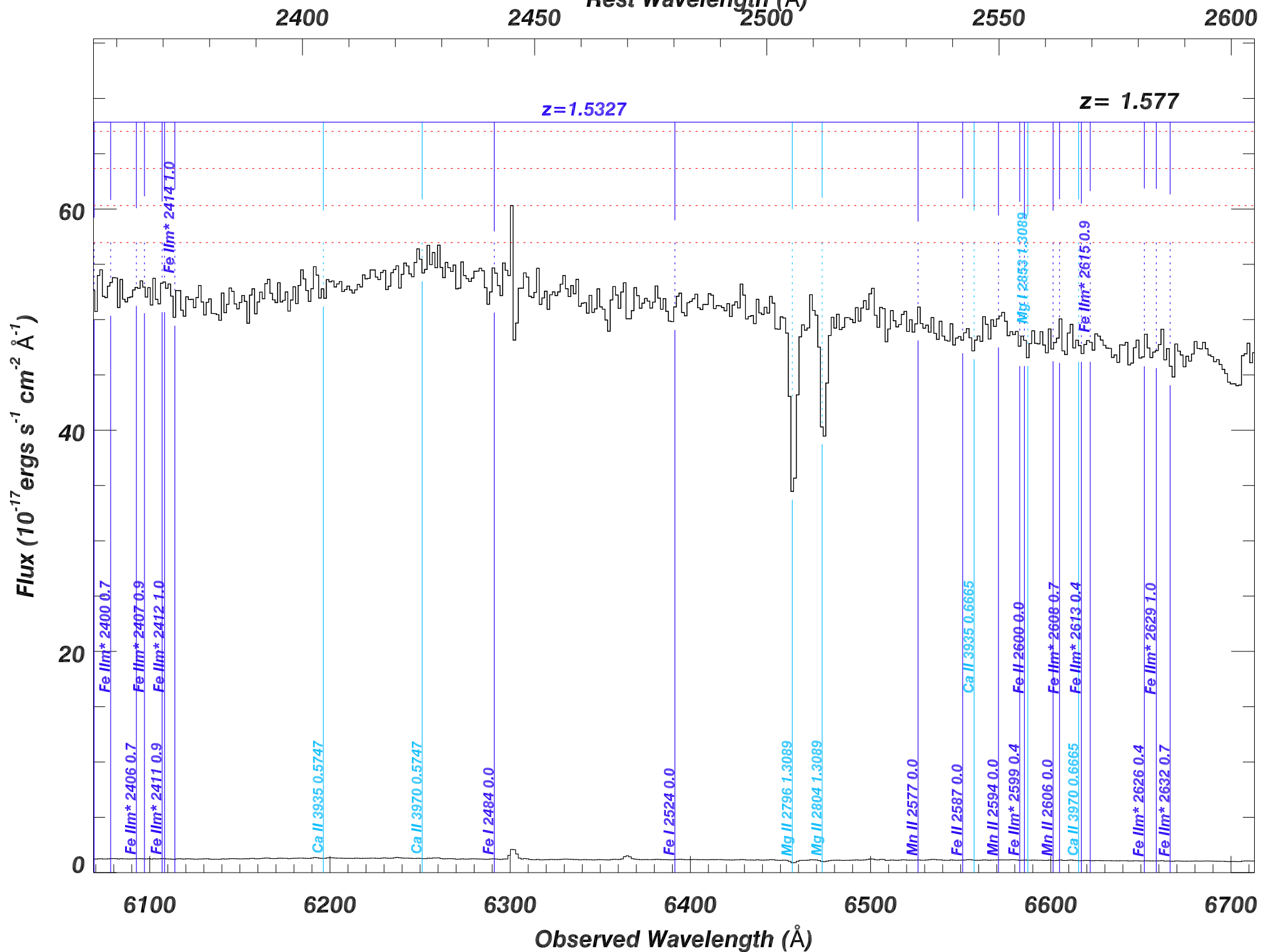
Fe II 2374 1.3089

Fe II 2383 1.3089

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Rest Wavelength (\AA)

SDSS_J1219-0100_MJD52000

Rest Wavelength (\AA)

2600

2650

2700

2750

2800

$z=1.5327$

$z=1.577$

Flux ($10^{-17} \text{ ergs s}^{-1} \text{ cm}^{-2} \text{ \AA}^{-1}$)

60

40

20

0

-2

-1

0

1

6700

6800

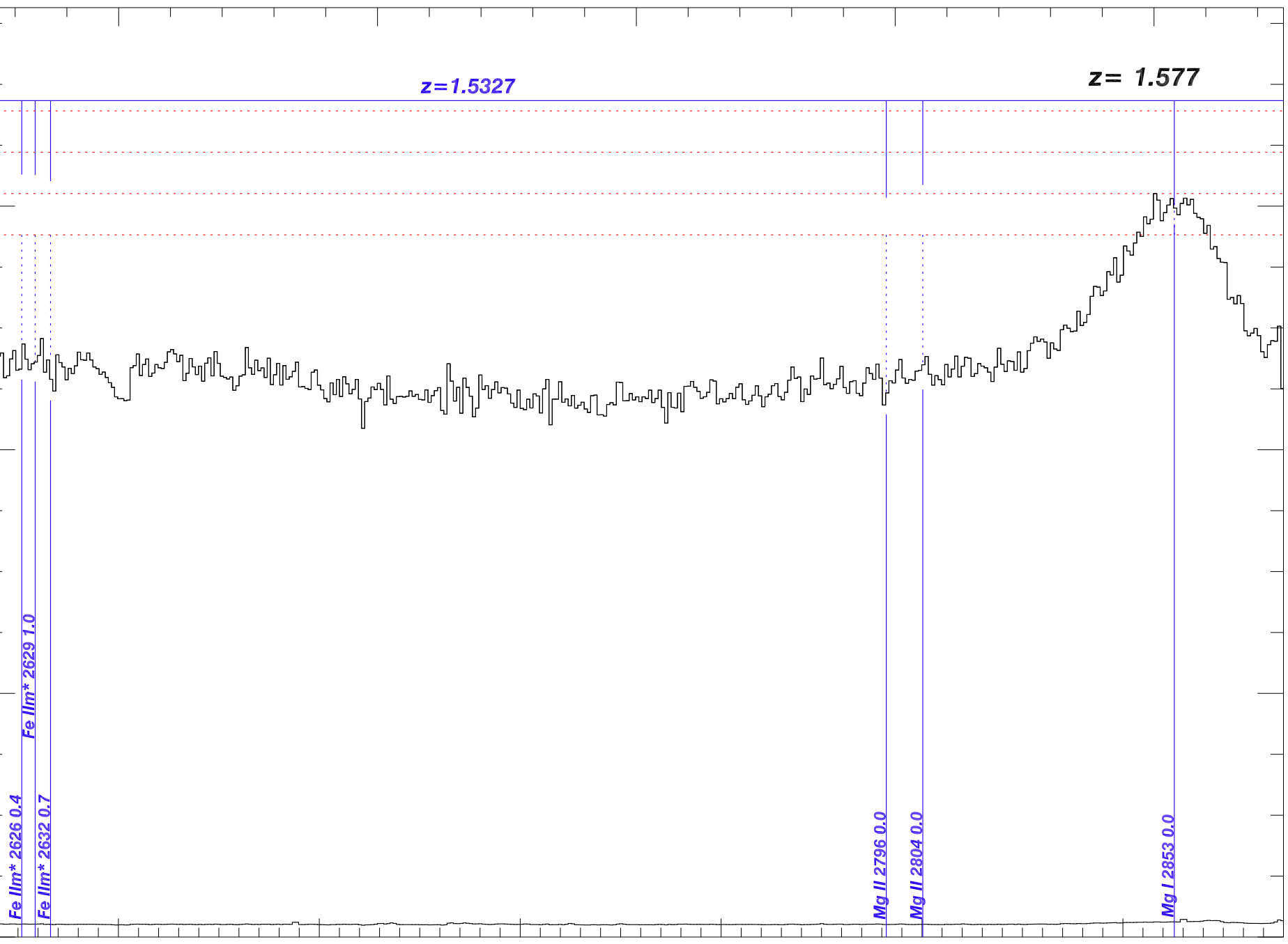
6900

7000

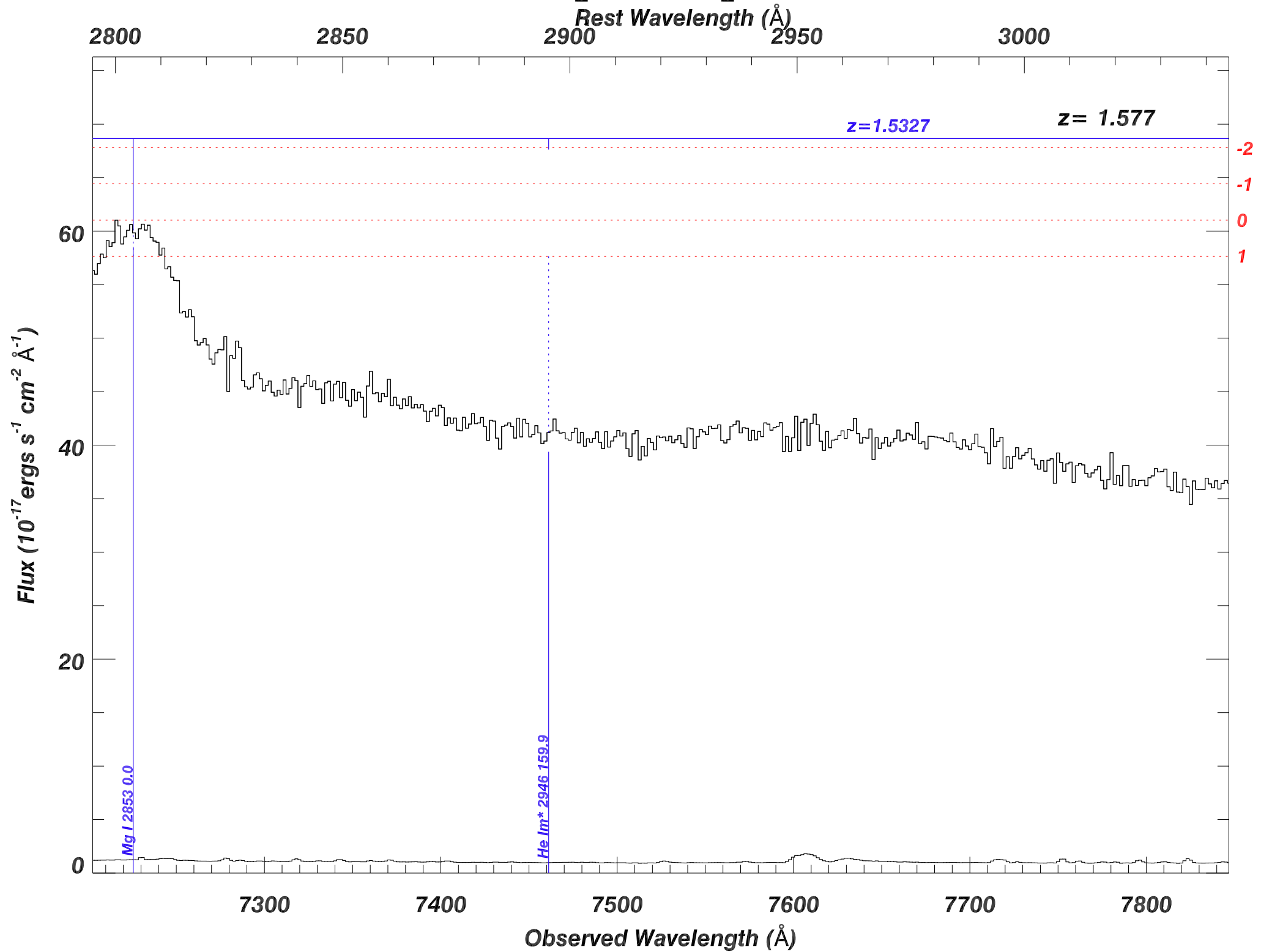
7100

7200

Observed Wavelength (\AA)



SDSS_J1219-0100_MJD52000



SDSS_J1219-0100_MJD52000

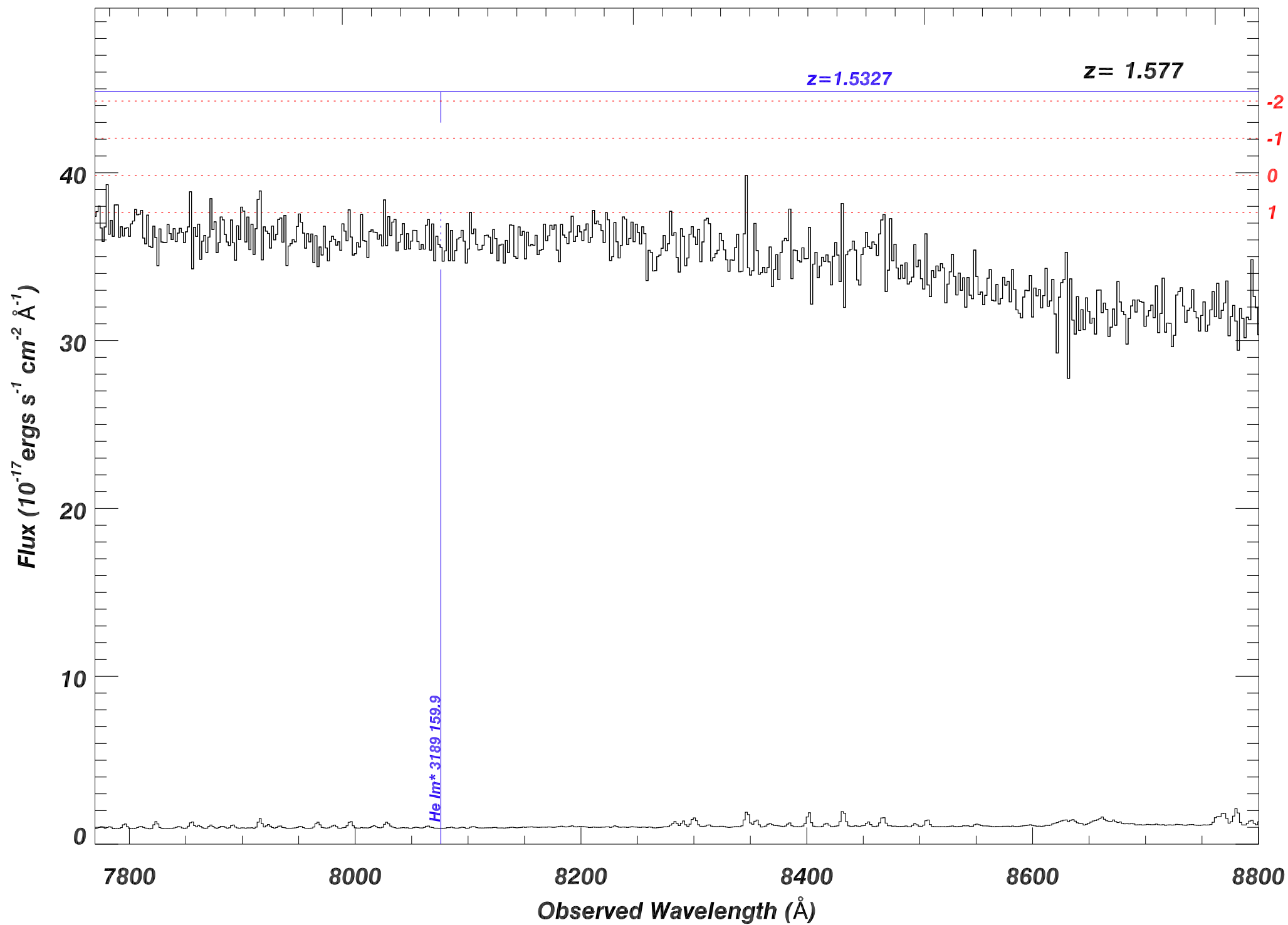
Rest Wavelength (\AA)

3100

3200

3300

3400



SDSS_J1219-0100_MJD52000

Rest Wavelength (\AA)

3400

3500

3600

3700

Flux ($10^{-17} \text{ ergs s}^{-1} \text{ cm}^{-2} \text{ \AA}^{-1}$)

40
30
20
10
0

$z = 1.5327$

$z = 1.577$

-2
-1
0
1

Ca II 3935 1.3089

Ca II 3970 1.3089

8800

9000

9200

9400

9600

Observed Wavelength (\AA)

