

SDSS_J1424+0441_MJD55653

Rest Wavelength (\AA)

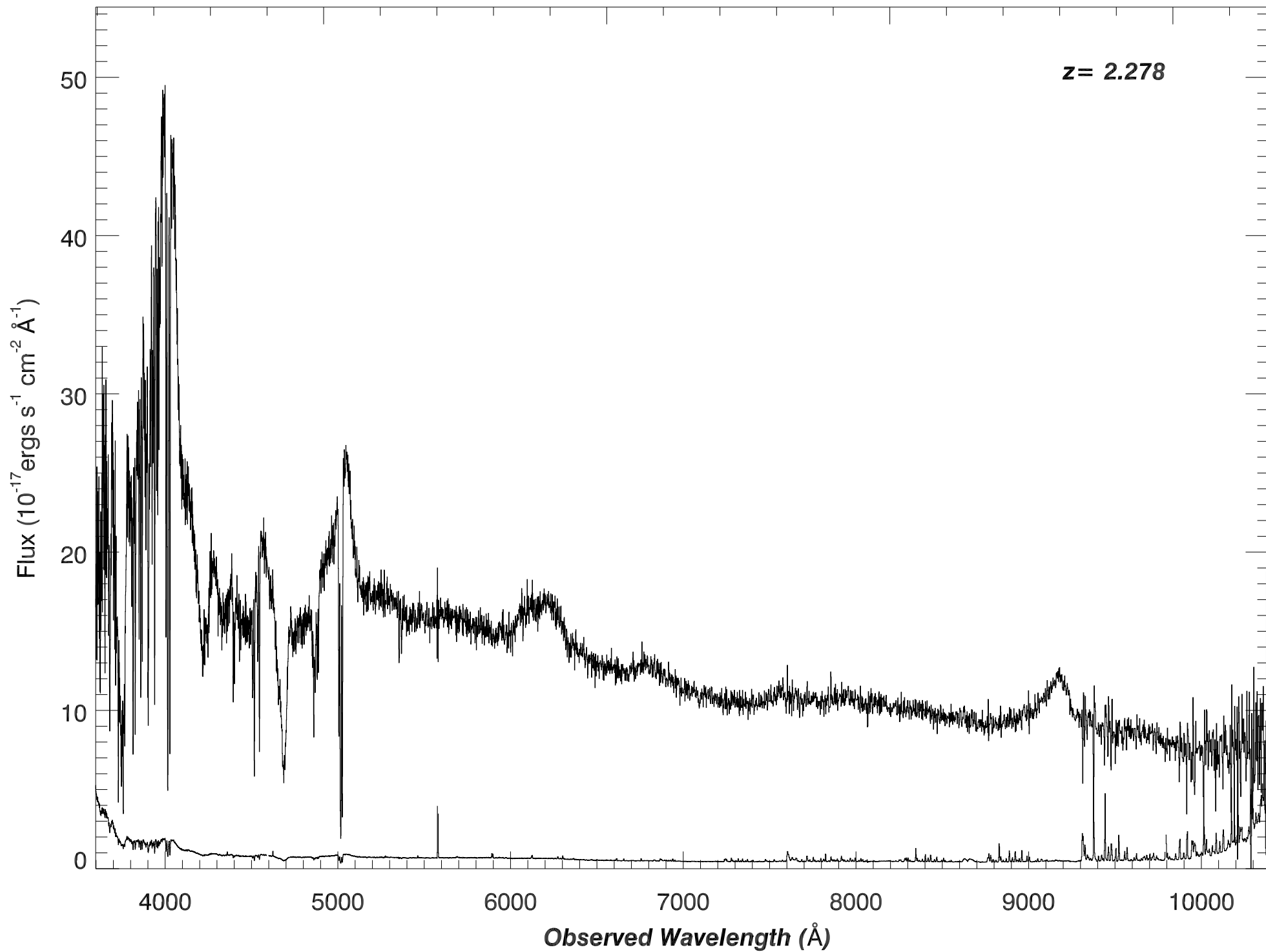
1500

2000

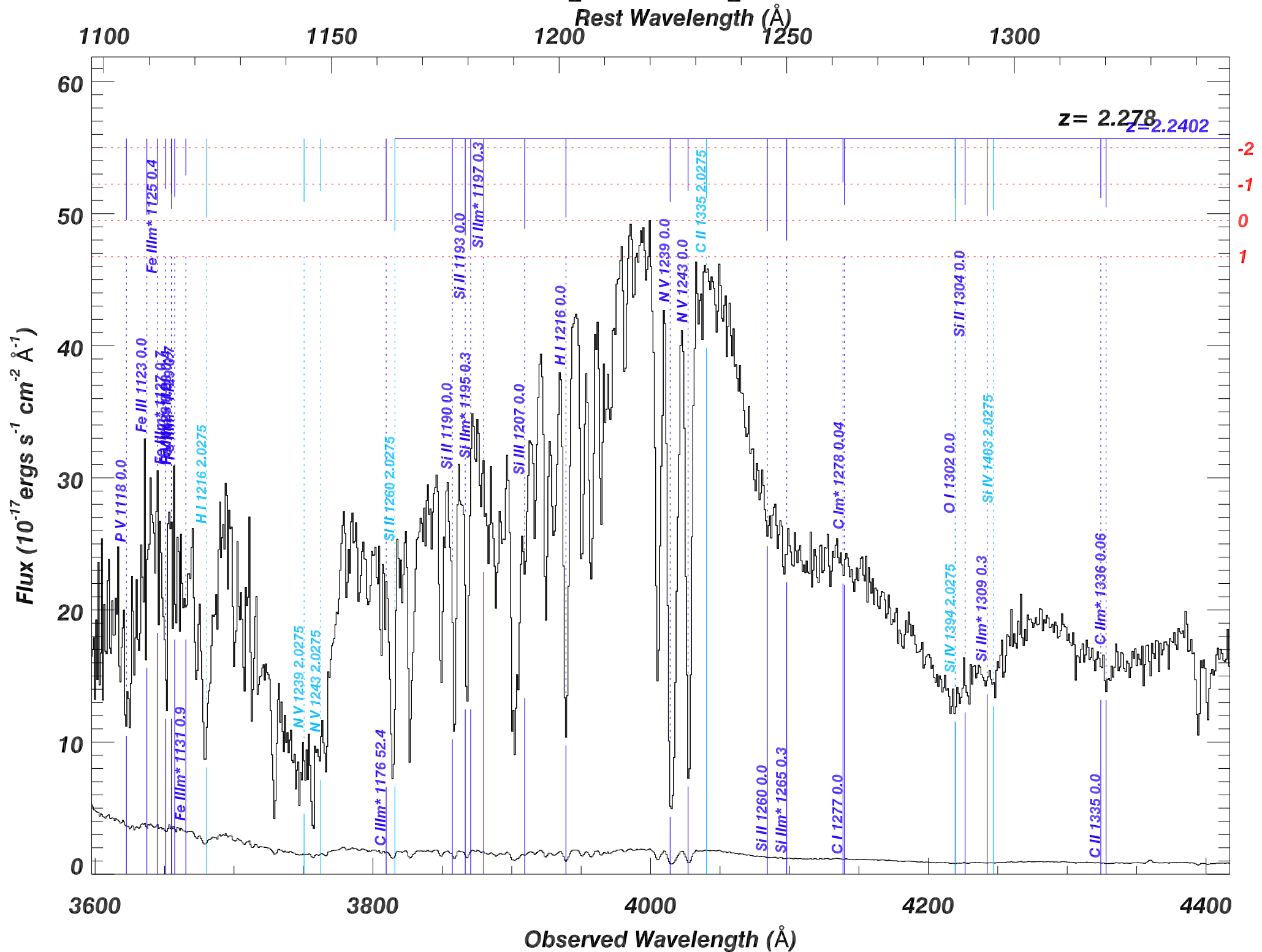
2500

3000

$z = 2.278$



SDSS_J1424+0441_MJD55653



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Rest Wavelength (\AA)

1350

1400

1450

1500

1550

$z=2.2402$

$z= 2.278$

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

30

25

20

15

10

5

0

-2

-1

0

1

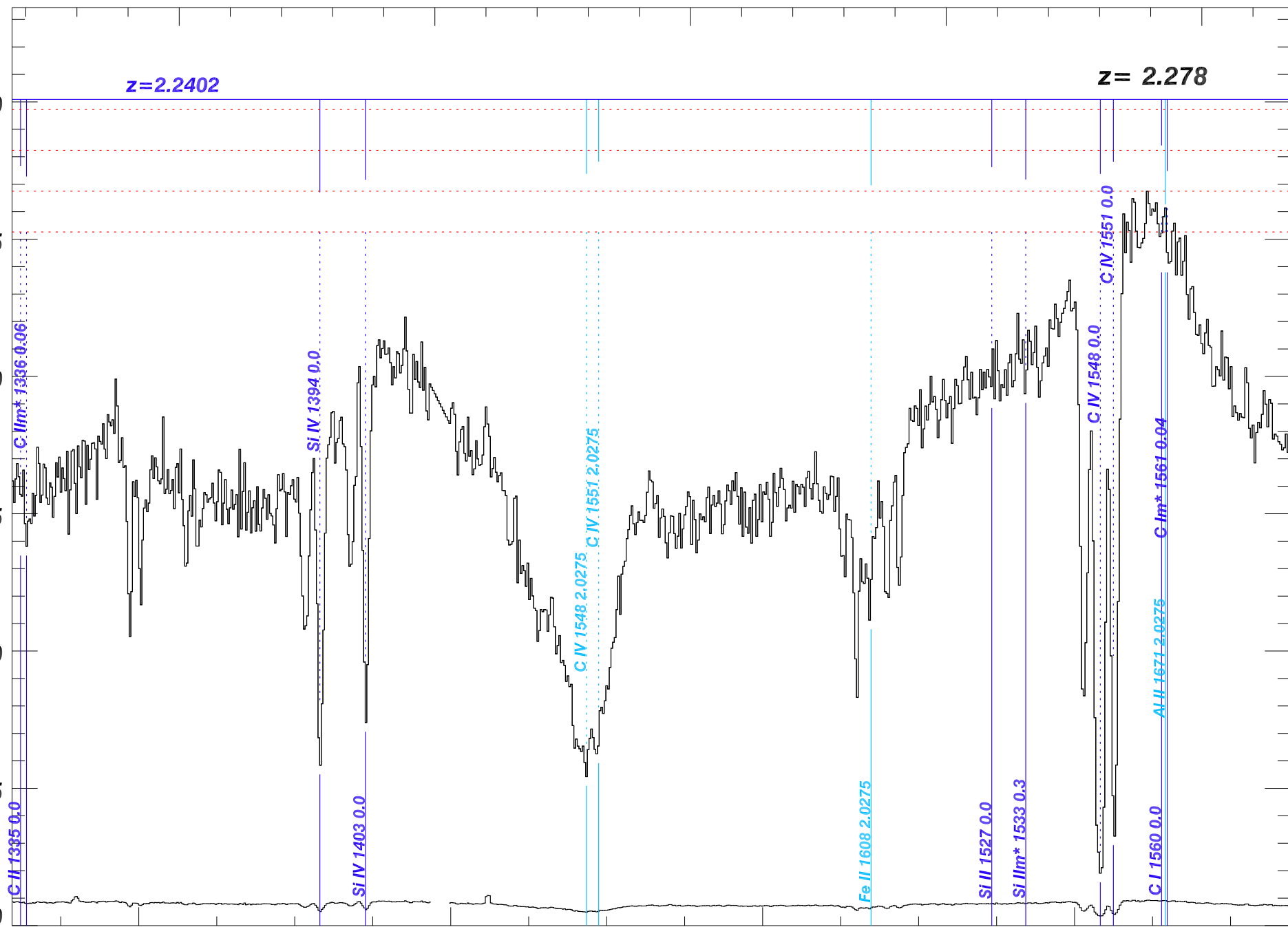
4400

4600

4800

5000

Observed Wavelength (\AA)



SDSS_J1424+0441_MJD55653

Rest Wavelength (\AA)

1550

1600

1650

1700

1750

$z=2.2402$

$z=2.278$

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

30

25

20

15

10

5

0

-2

-1

0

1

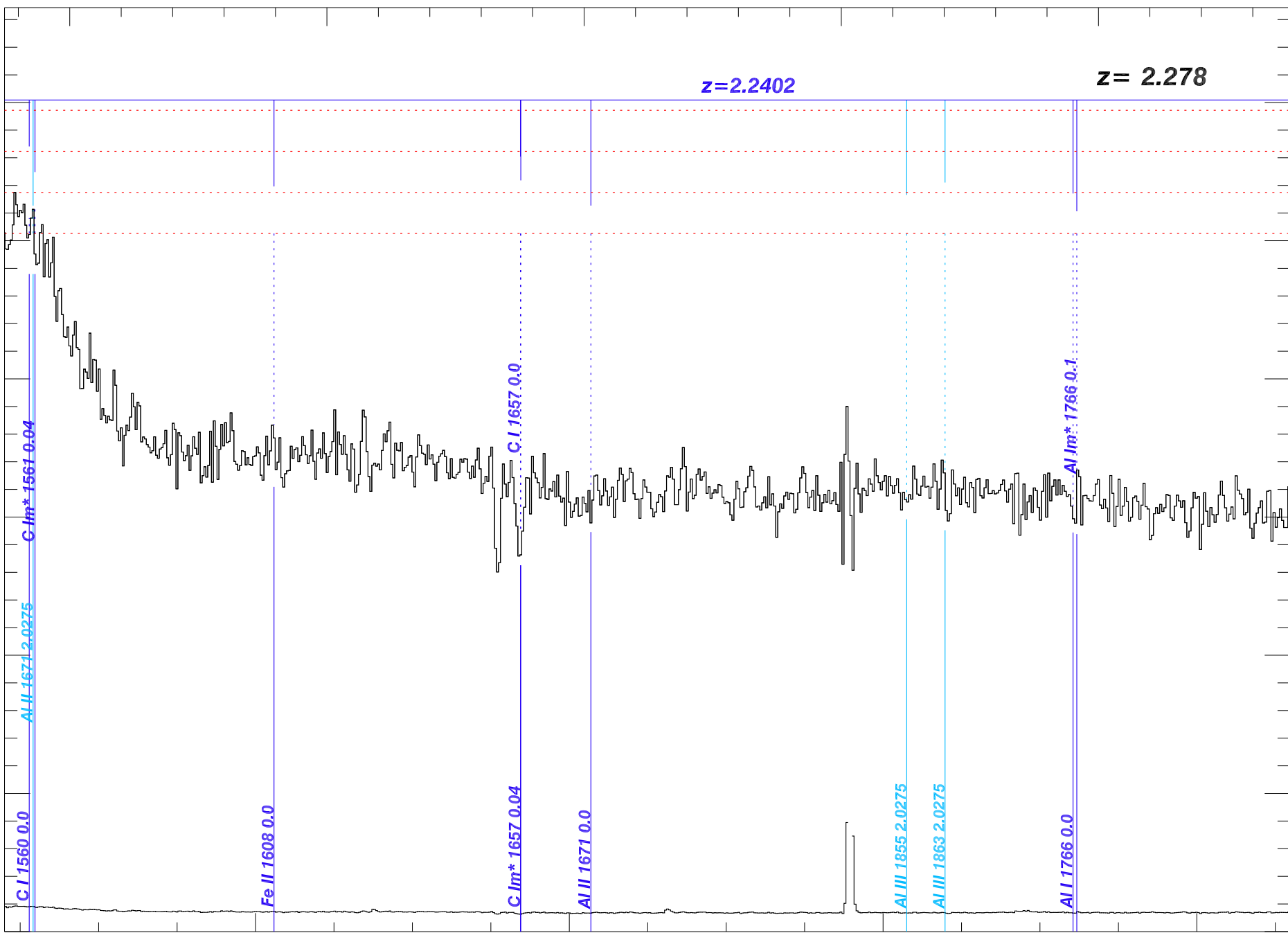
5200

5400

5600

5800

Observed Wavelength (\AA)



SDSS_J1424+0441_MJD55653

Rest Wavelength (\AA)

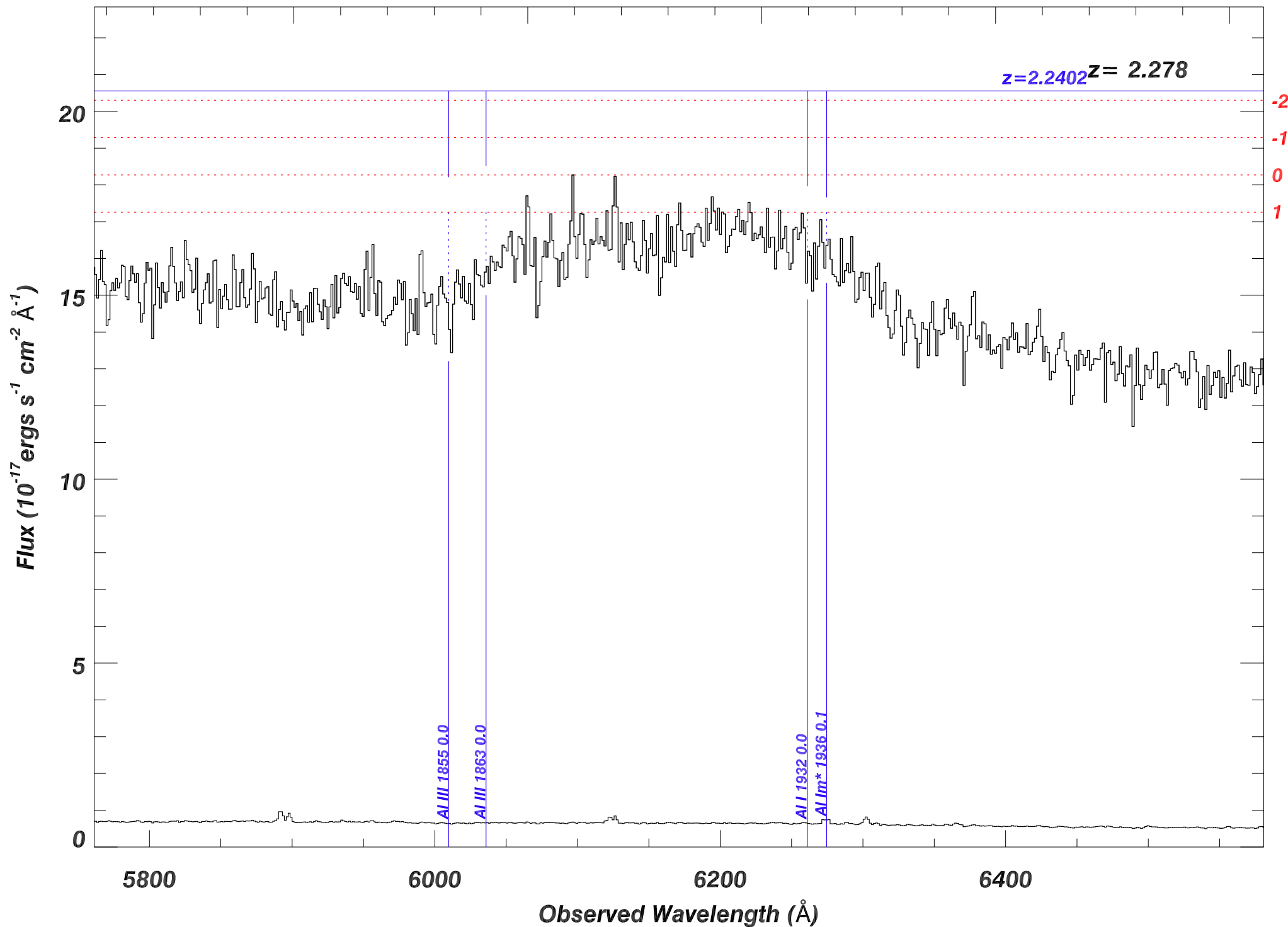
1800

1850

1900

1950

2000



SDSS_J1424+0441_MJD55653

Rest Wavelength (\AA)

2000

2050

2100

2150

2200

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

15

10

5

0

$z=2.2402$

$z=2.278$

-2

-1

0

1

Fe II 2344 2.0275

Fe II 2374 2.0275

Fe II 2383 2.0275

6600

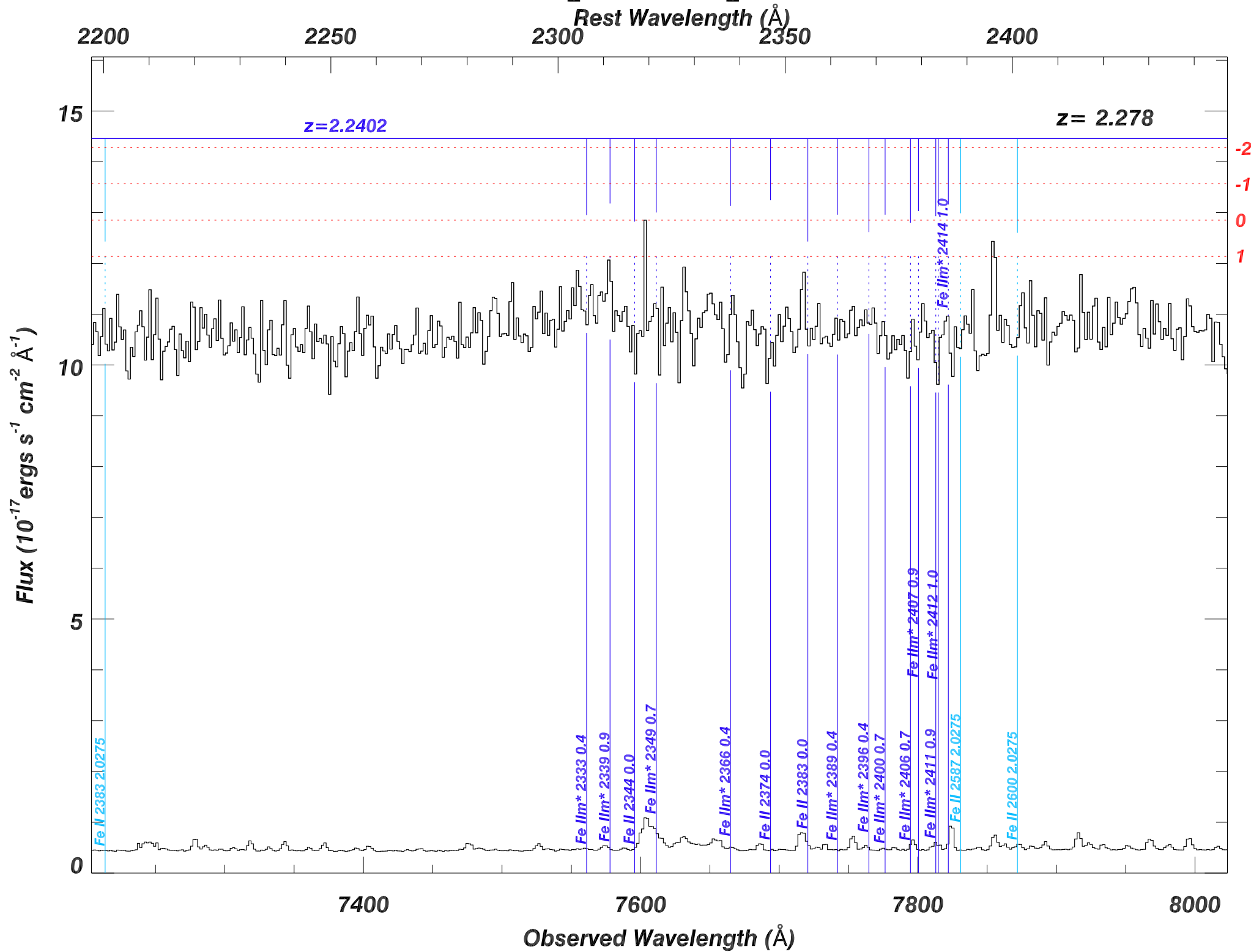
6800

7000

7200

Observed Wavelength (\AA)

SDSS_J1424+0441_MJD55653



SDSS_J1424+0441_MJD55653

Rest Wavelength (Å)

2450

2500

2550

2600

2650

14

12

10

8

6

4

2

0

$z=2.2402$

$z=2.278$

-2
-1
0
1

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

8000

8200

8400

8600

Observed Wavelength (Å)

Fe I 2484 0.0

Fe I 2524 0.0

Mn II 2577 0.0

Fe II 2587 0.0

Mn II 2594 0.0

Fe II* 2599 0.4

Fe II-2600 0.0

Mn II 2606 0.0

Fe II* 2608 0.7

Fe II* 2613 0.4

Mg II 2796 2.0275

Mg II 2804 2.0275

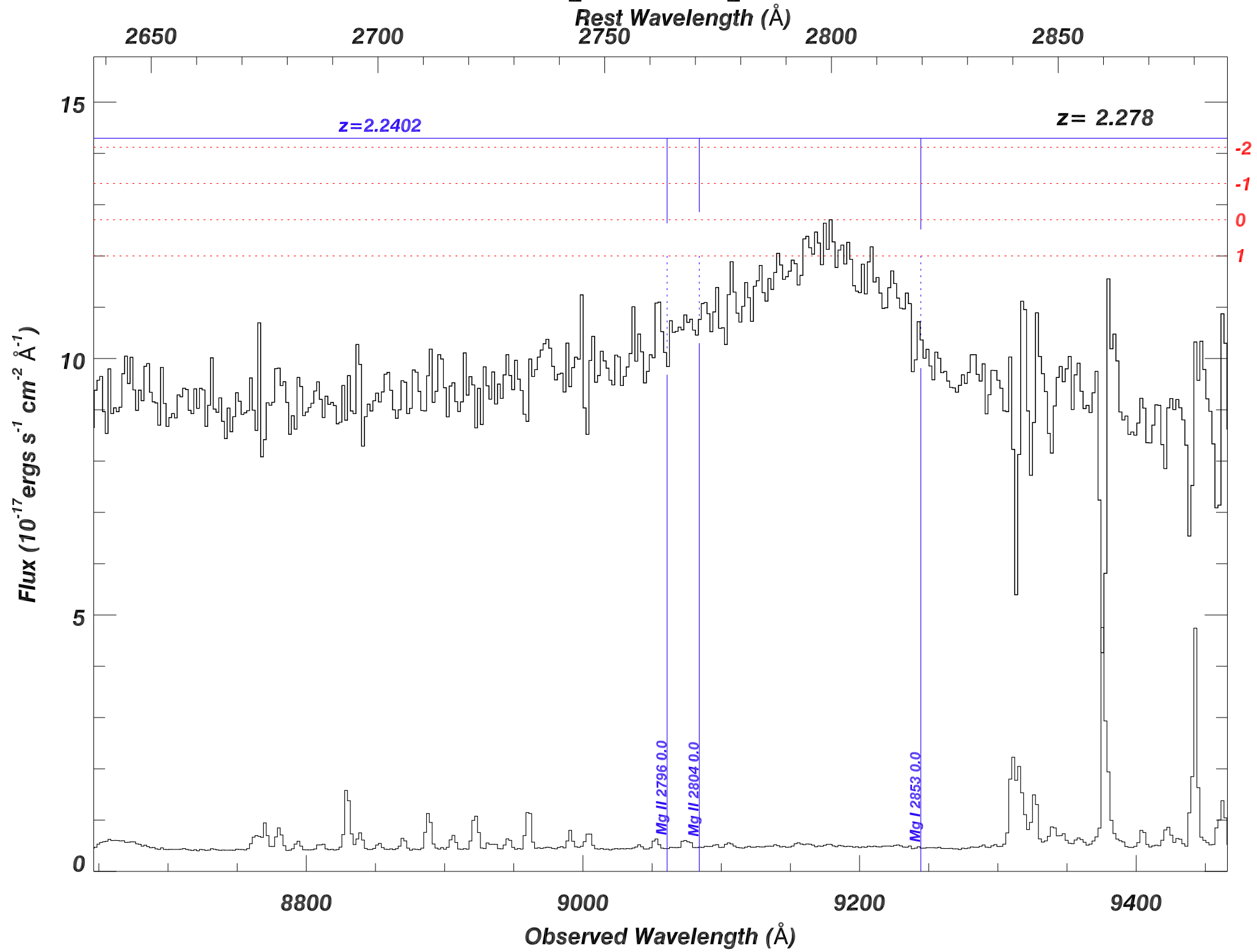
Fe II* 2626 0.4

Fe II* 2629 1.0

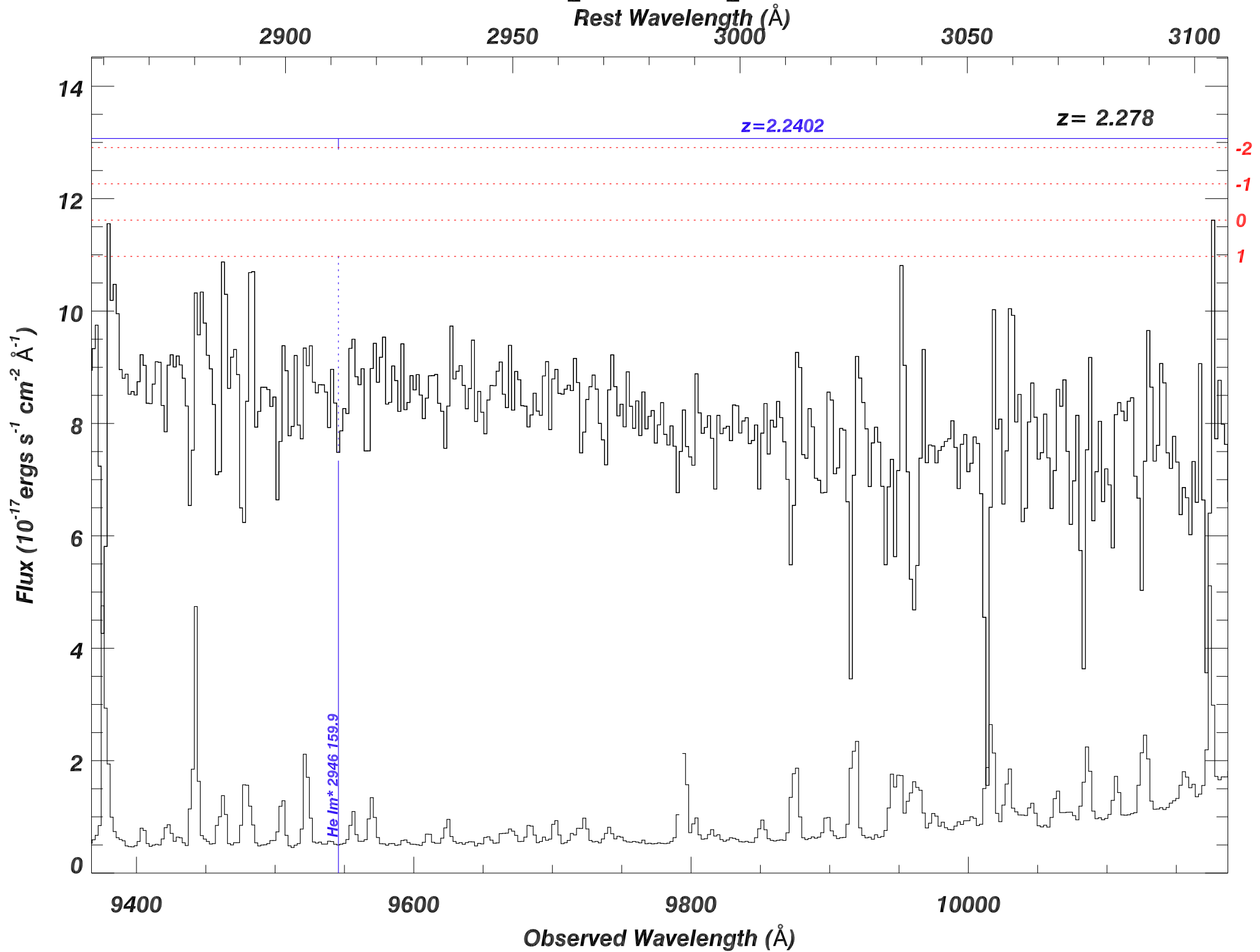
Fe II* 2632 0.7

Mg I 2853 2.0275

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SDSS_J1424+0441_MJD55653

Rest Wavelength (\AA)

3100

3200

3300

3400

$z=2.2402$

$z=2.278$

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

20

15

10

5

0

-2

-1

0

1

He II* 3189.159.9

1.02×10^4

1.04×10^4

1.06×10^4

1.08×10^4

1.10×10^4

1.12×10^4

1.14×10^4

Observed Wavelength (\AA)

