

SDSS_J0919+3831_MJD57448

Rest Wavelength (\AA)

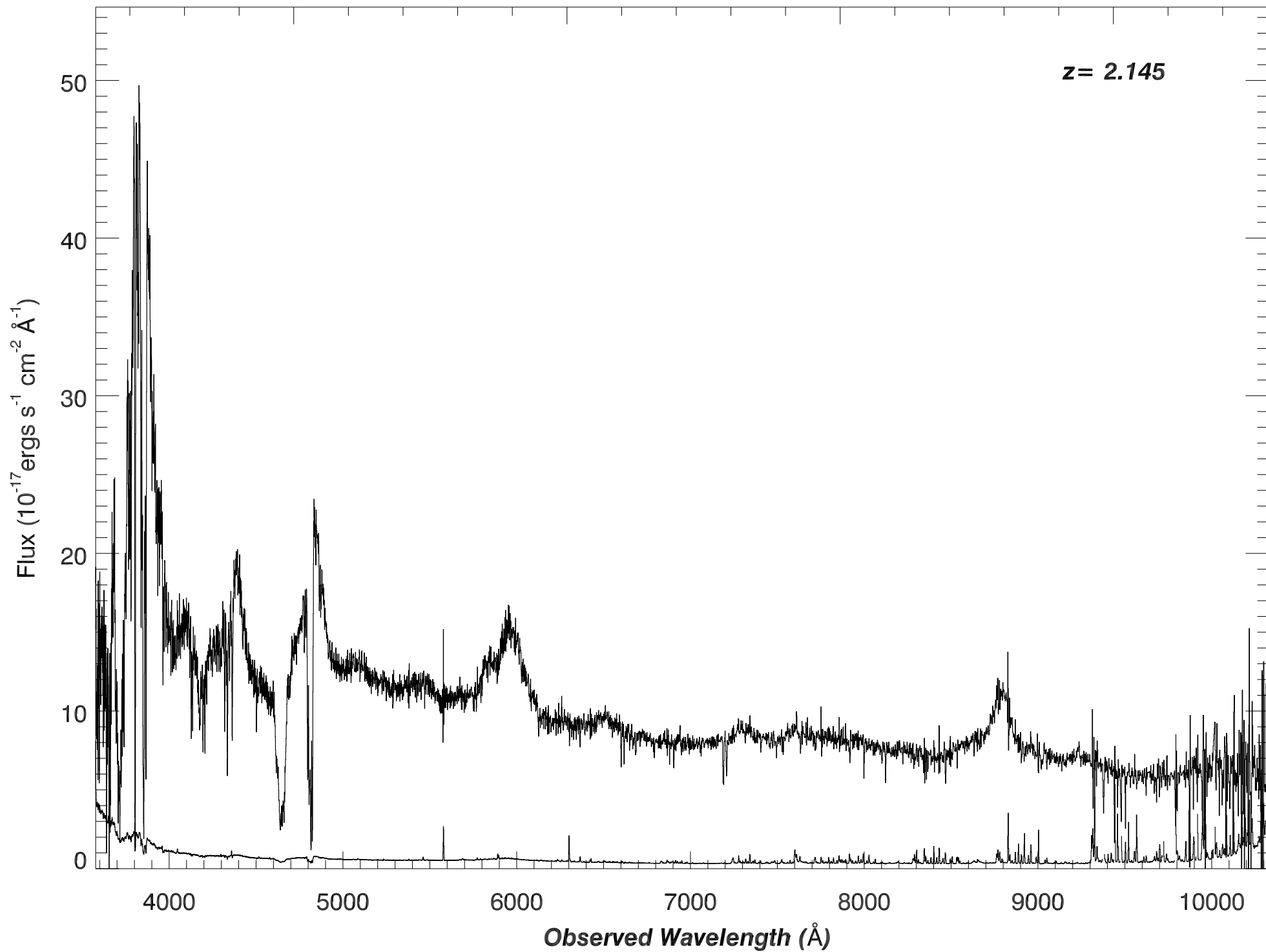
1500

2000

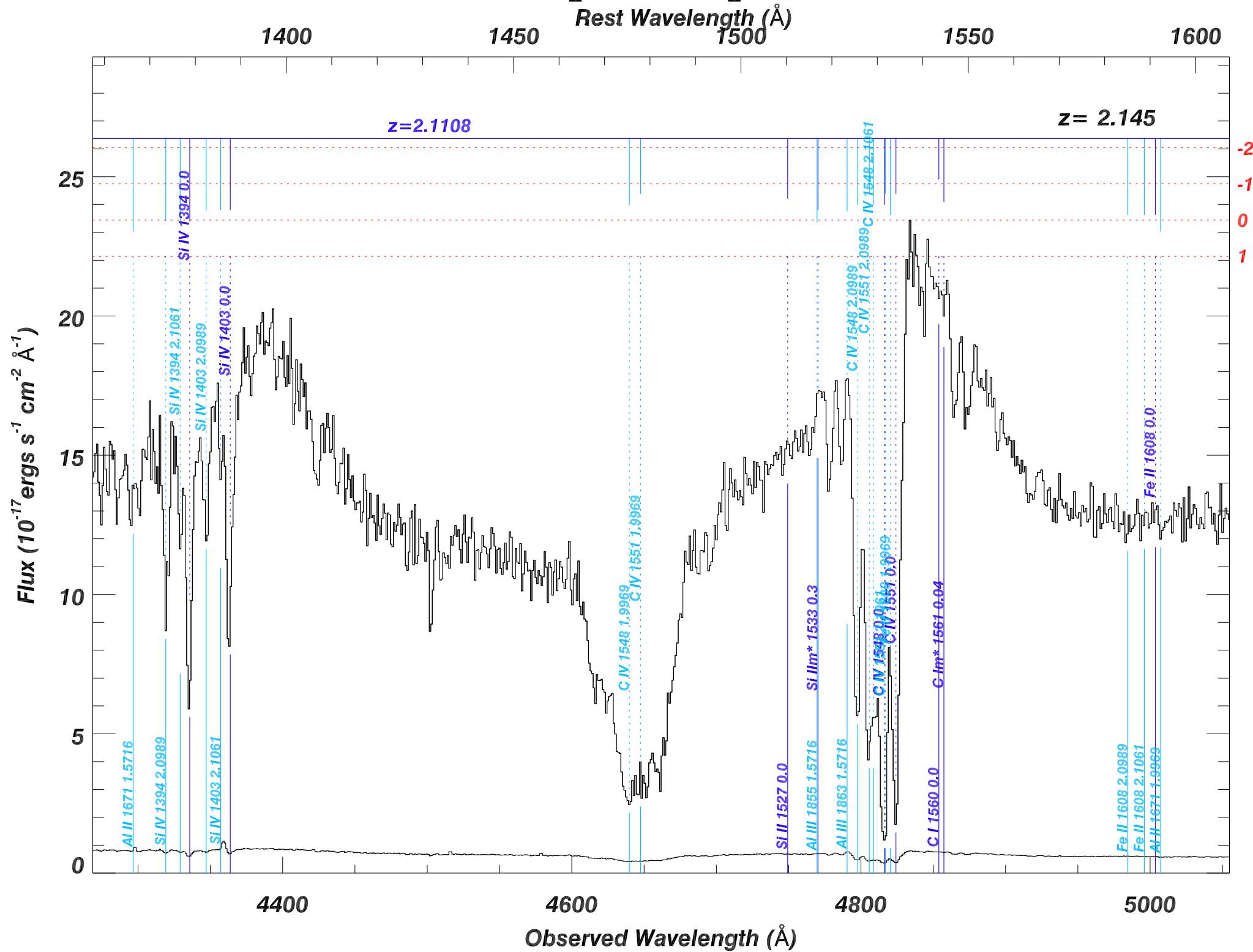
2500

3000

$z = 2.145$



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Rest Wavelength (\AA)

1600

1650

1700

1750

1800

$z=2.1108$

$z=2.145$

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

15

10

5

0

-2

-1

0

1

5000

5200

5400

5600

Observed Wavelength (\AA)

Fe II 1608 2.0989

Fe II 1608 2.1061

Al II 1671 1.9969

Fe II 1608 0.0

C Im* 1657 0.04

C I 1657 0.0

Al II 1671 2.0989

Al II 1671 2.1061

Al II 1671 0.0

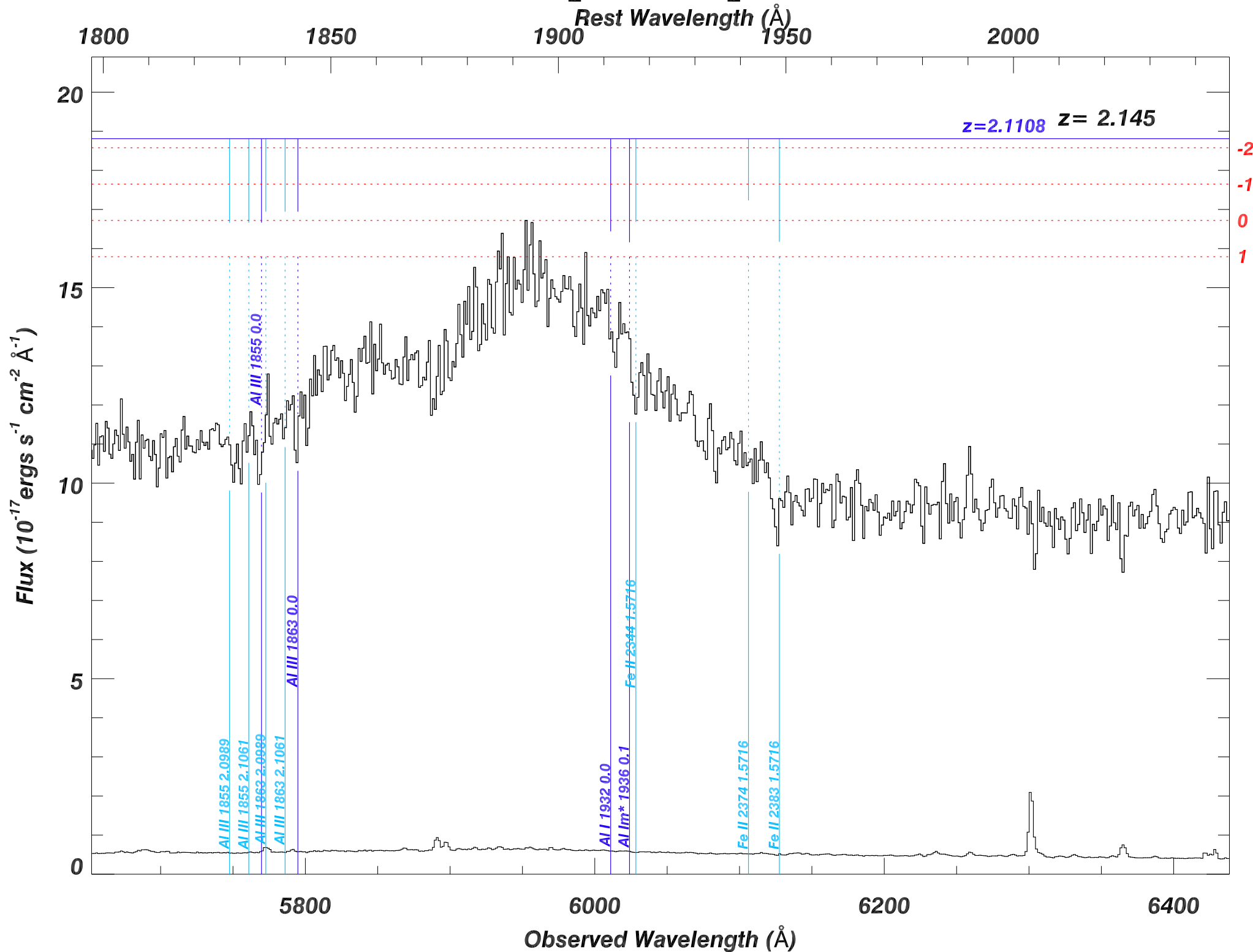
Al I 1766 0.0

Al Im* 1766 0.1

Al III 1855 1.9969

Al III 1863 1.9969

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Rest Wavelength (\AA)

2050

2100

2150

2200

2250

12

$z=2.1108$

$z= 2.145$

-2

-1

0

1

10

8

6

4

2

0

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

6400

6600

6800

7000

Observed Wavelength (\AA)

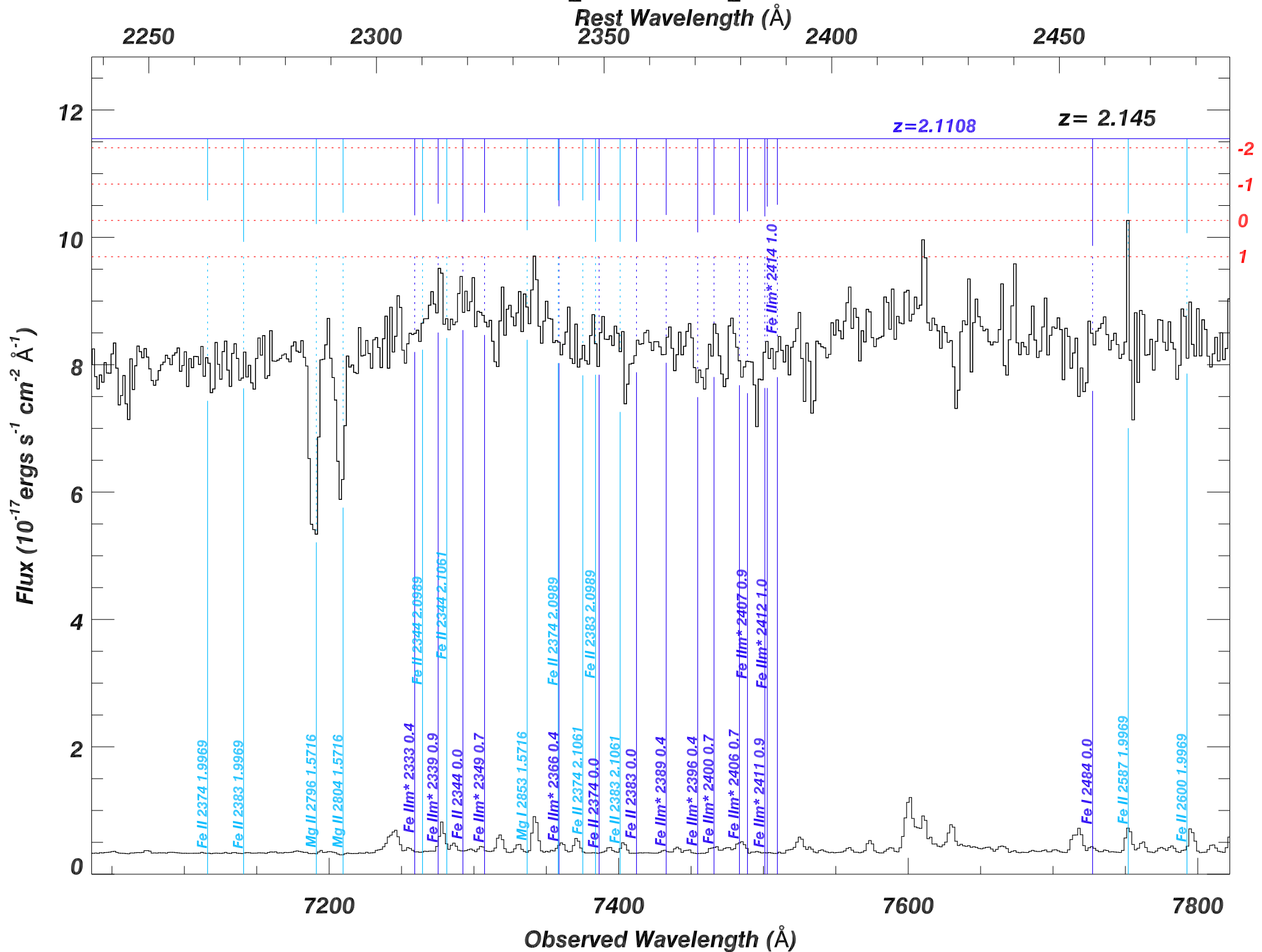
Fe II 2587 1.5716

Fe II 2600 1.5716

Fe II 2344 1.9969

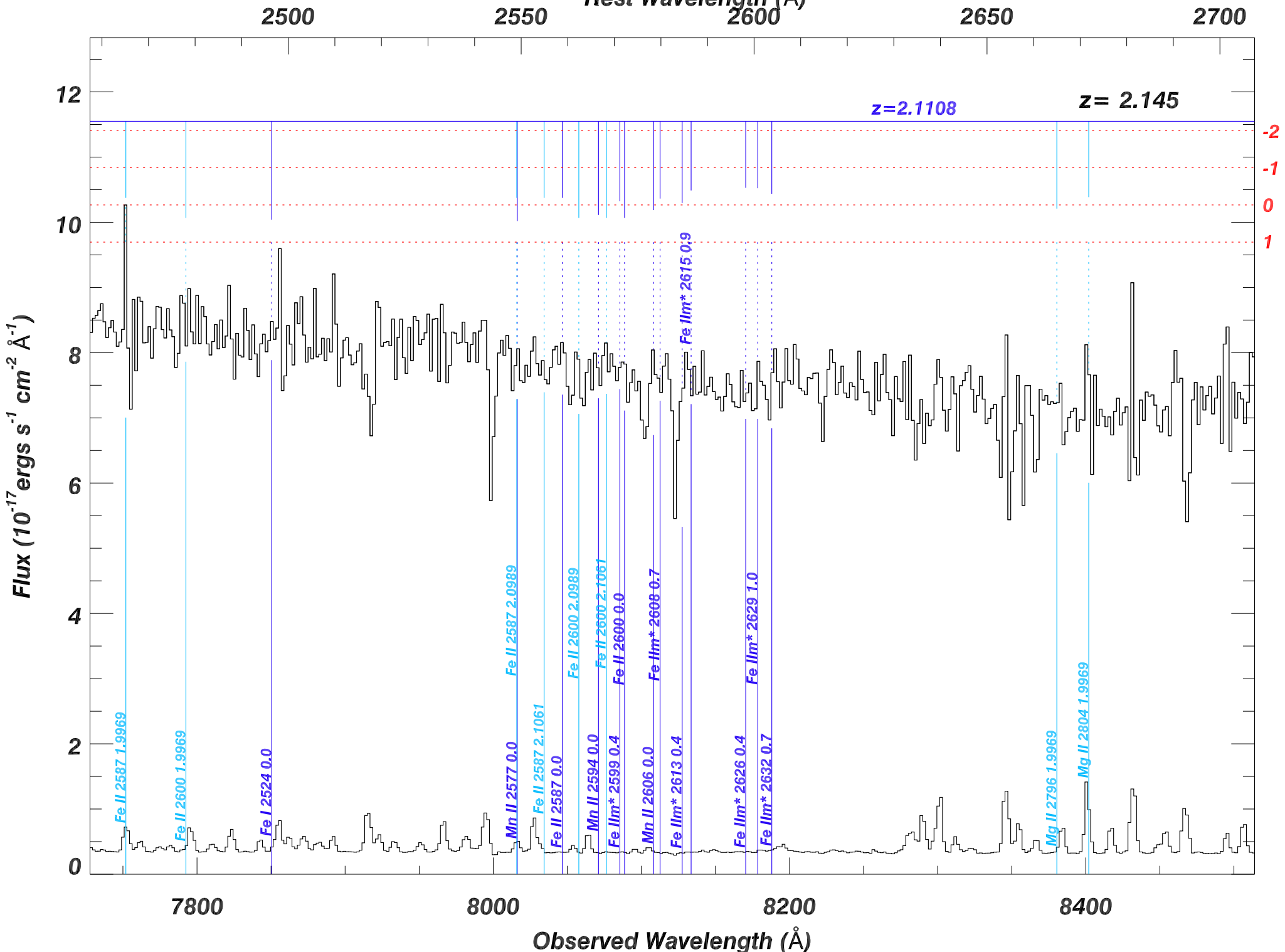
Fe II 2374 1.9969

SDSS_J0919+3831_MJD57448



SDSS_J0919+3831_MJD57448

Rest Wavelength (\AA)



2500

2550

2600

2650

2700

$z=2.1108$

$z= 2.145$

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

12
10
8
6
4
2
0

-2
-1
0
1

7800

8000

8200

8400

Observed Wavelength (\AA)

SDSS_J0919+3831_MJD57448

Rest Wavelength (\AA)

2700

2750

2800

2850

2900

$z=2.1108$

$z=2.145$

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

15

10

5

0

-2

-1

0

1

Mg I 2853 1.9969

Mg II 2796 2.0989

Mg II 2796 2.1061

Mg II 2796 0.0

Mg II 2804 0.0

Mg I 2853 2.0989

Mg I 2853 2.1061

Mg I 2853 0.0

He I m* 2946 159.9

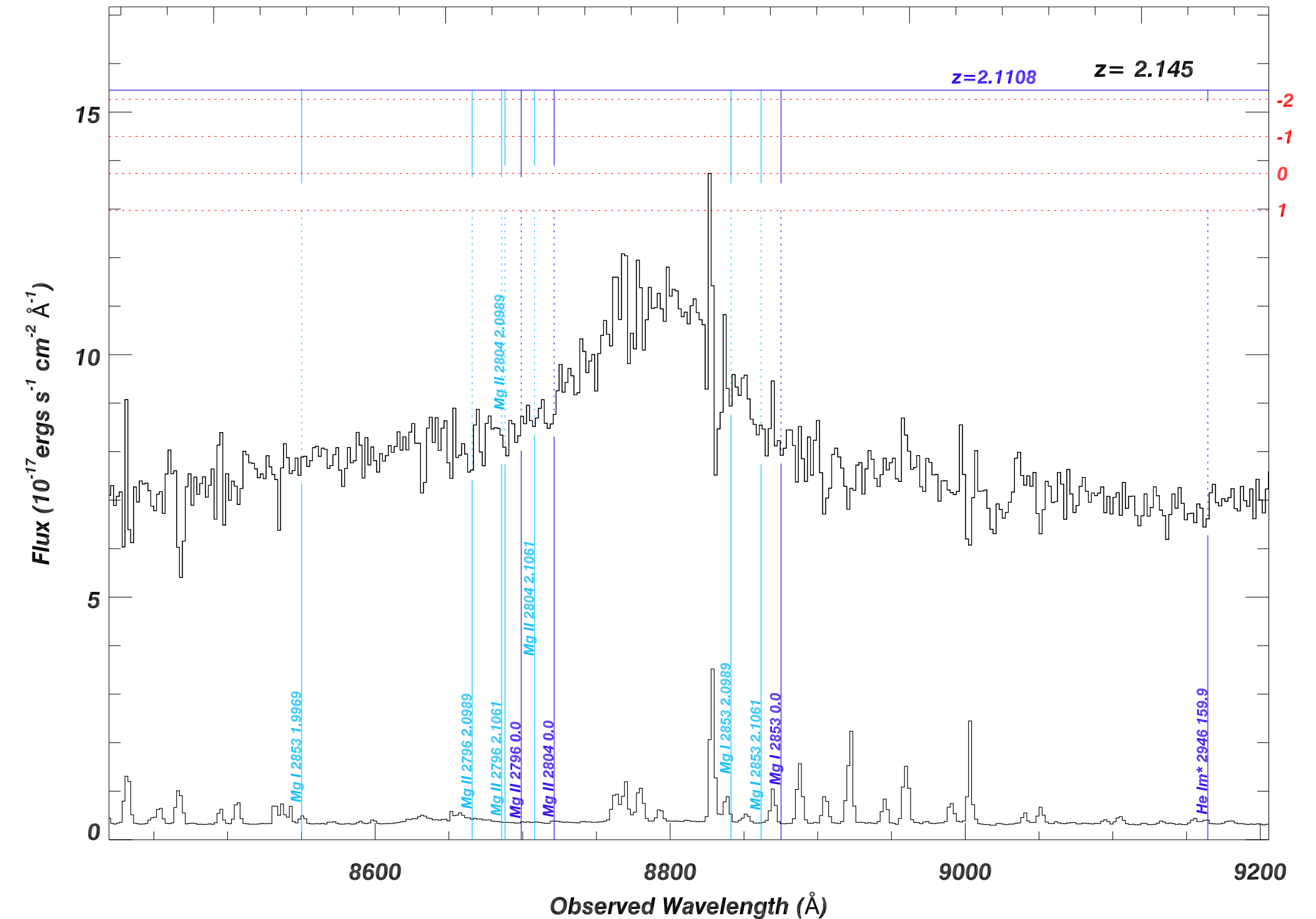
8600

8800

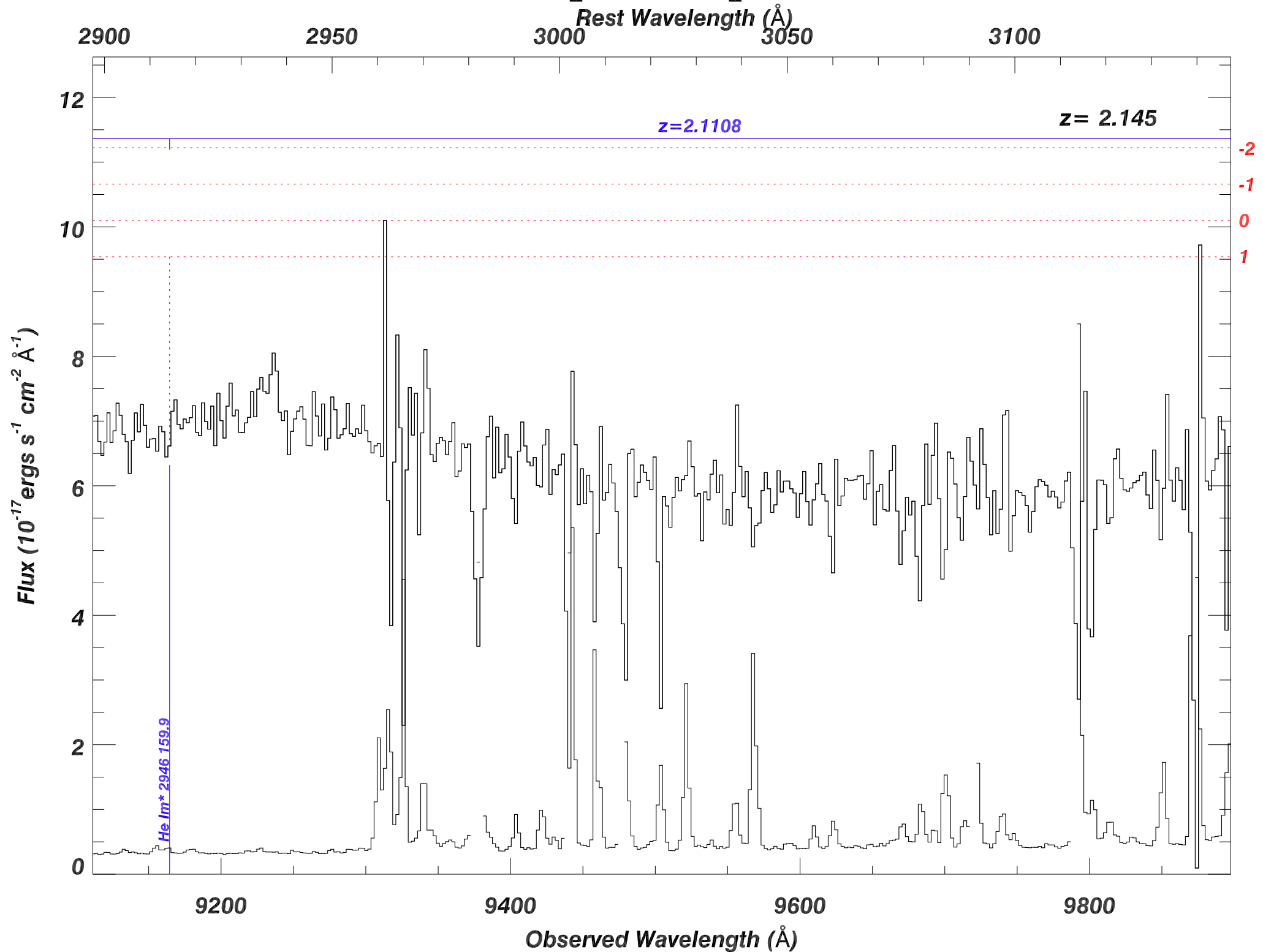
9000

9200

Observed Wavelength (\AA)



SDSS_J0919+3831_MJD57448



SDSS_J0919+3831_MJD57448

Rest Wavelength (\AA)

3200

3300

3400

3500

$z=2.1108$

$z=2.145$

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

15

10

5

0

1.00×10^4

1.02×10^4

1.04×10^4

1.06×10^4

1.08×10^4

1.10×10^4

Observed Wavelength (\AA)

He I λ 3189.159.9

Ca II λ 3935.15716

Ca II λ 3970.15716

-2
-1
0
1