

**SDSS\_J2355+2012\_MJD56945**

**Rest Wavelength ( $\text{\AA}$ )**

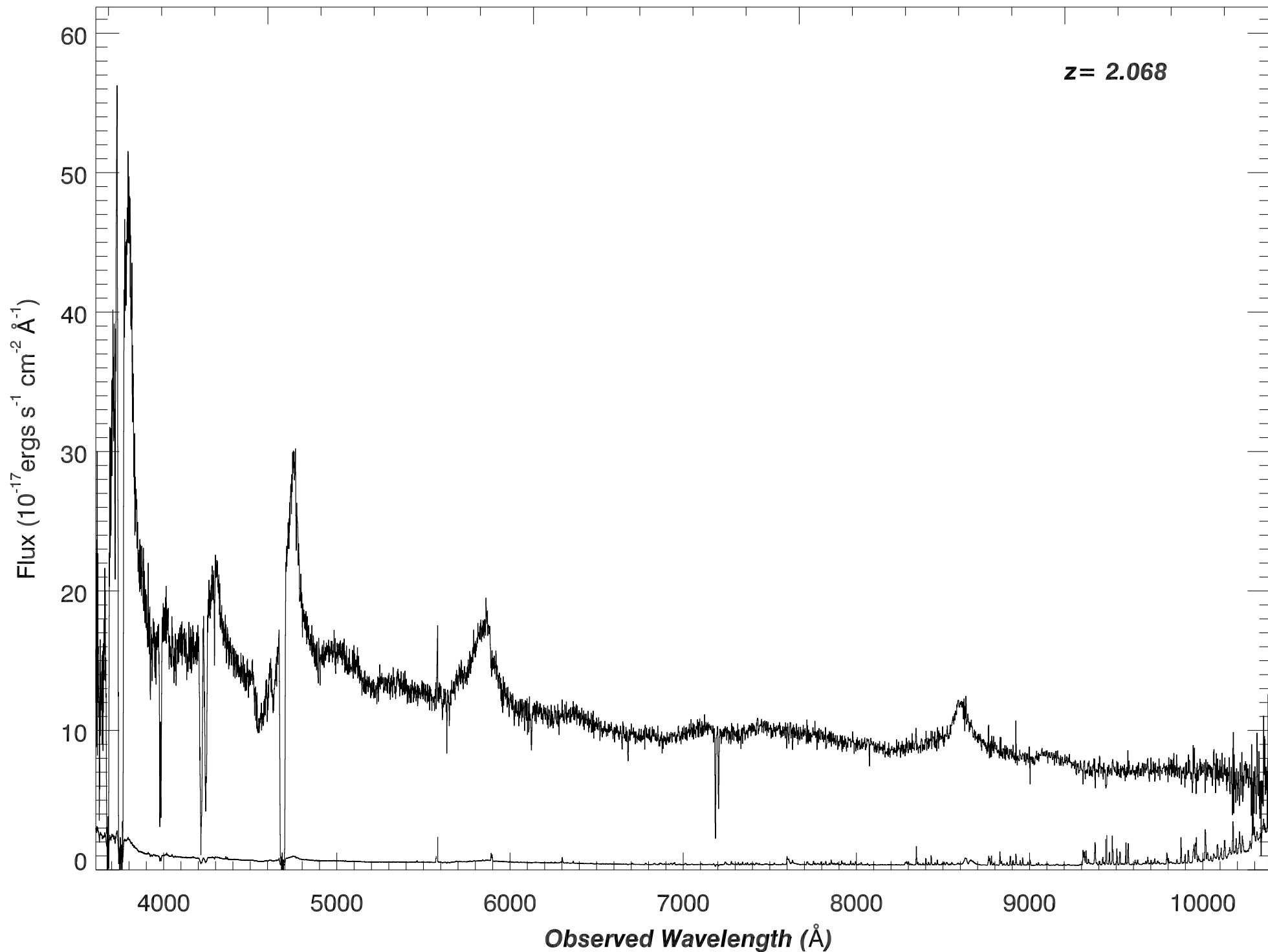
**1500**

**2000**

**2500**

**3000**

**$z = 2.068$**



# SDSS\_J2355+2012\_MJD56945

Rest Wavelength ( $\text{\AA}$ )

1200

1250

1300

1350

1400

$z=2.0242$

$z=2.068$

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

70

60

50

40

30

20

10

0

-2

-1

0

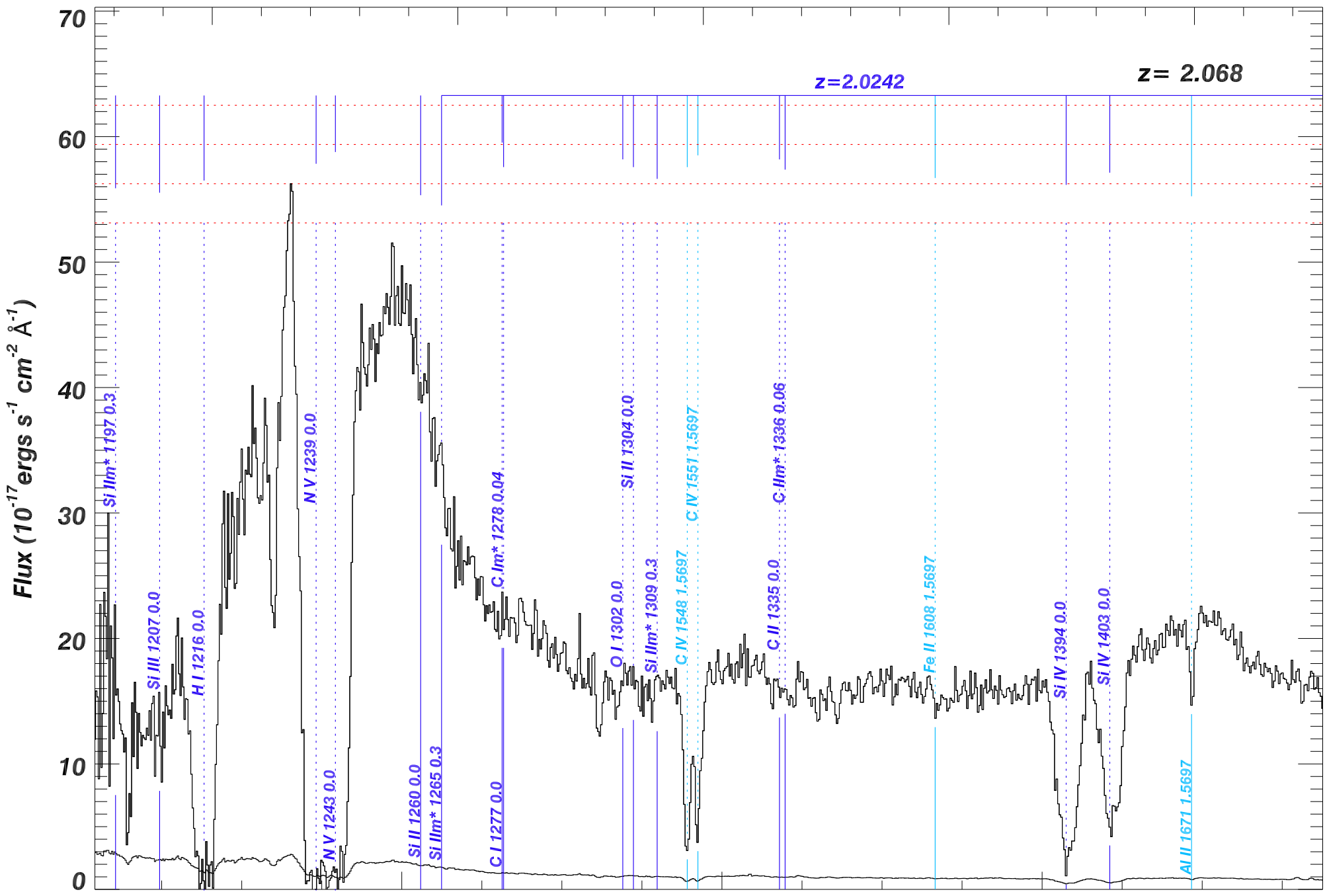
1

3800

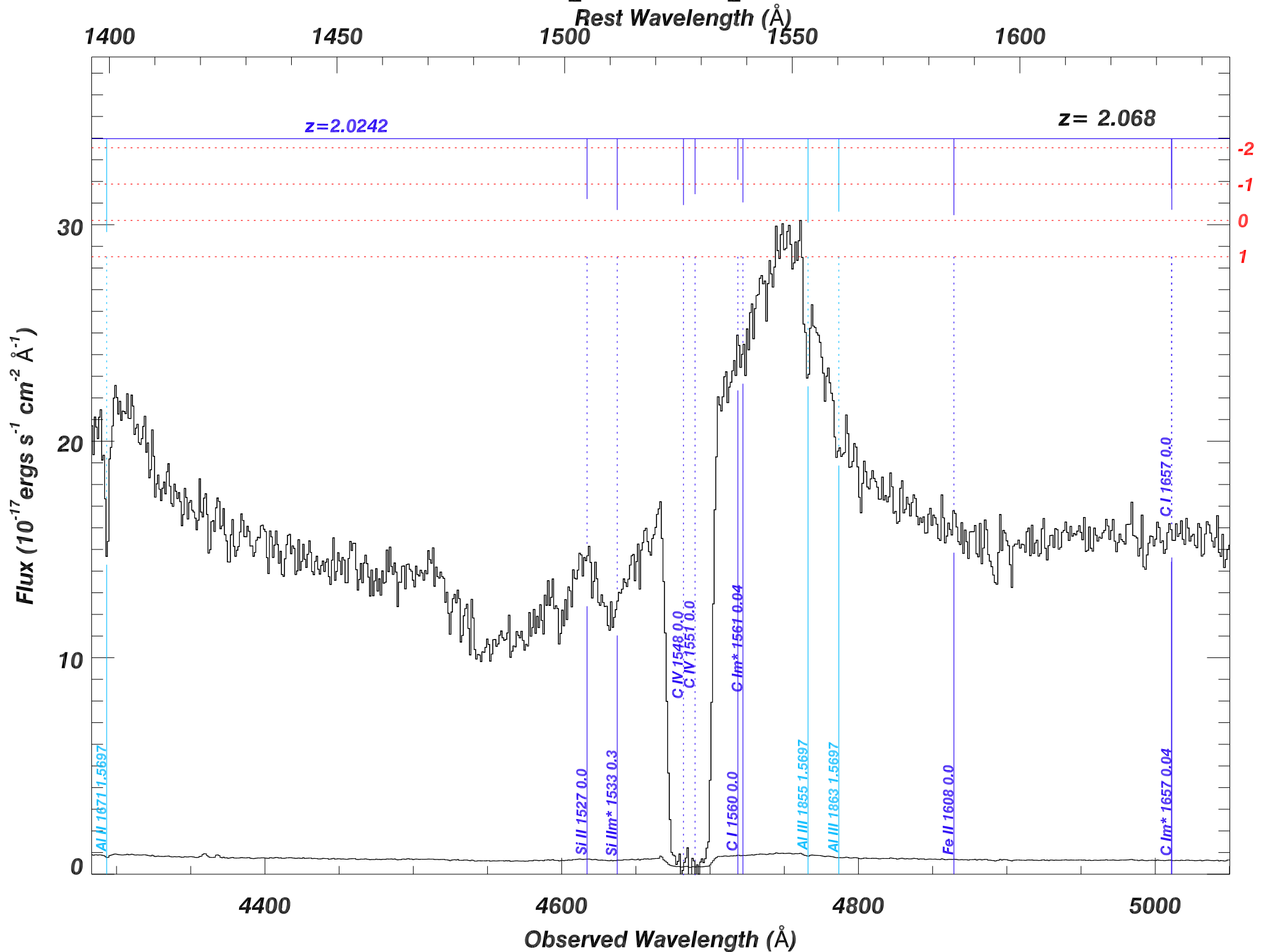
4000

4200

Observed Wavelength ( $\text{\AA}$ )



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Rest Wavelength ( $\text{\AA}$ )

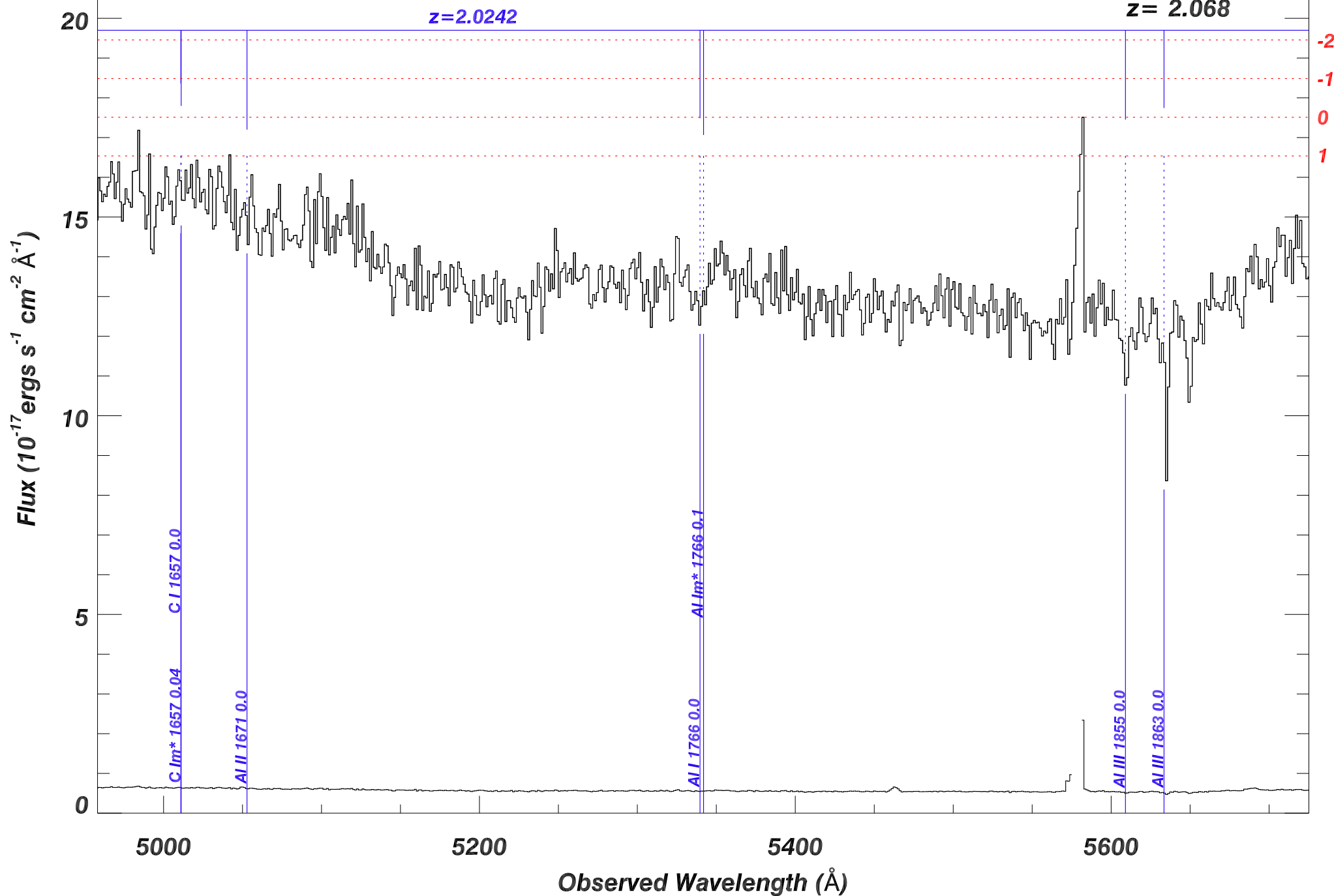
1650

1700

1750

1800

1850



# SDSS\_J2355+2012\_MJD56945

Rest Wavelength ( $\text{\AA}$ )

1850

1900

1950

2000

2050

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

20

15

10

5

0

$z=2.024$   $z=2.068$

-2  
-1  
0  
1

Al I 1932 0.0  
Al I m\* 1936 0.1

Fe II 2344 1.5697

Fe II 2374 1.5697

Fe II 2383 1.5697

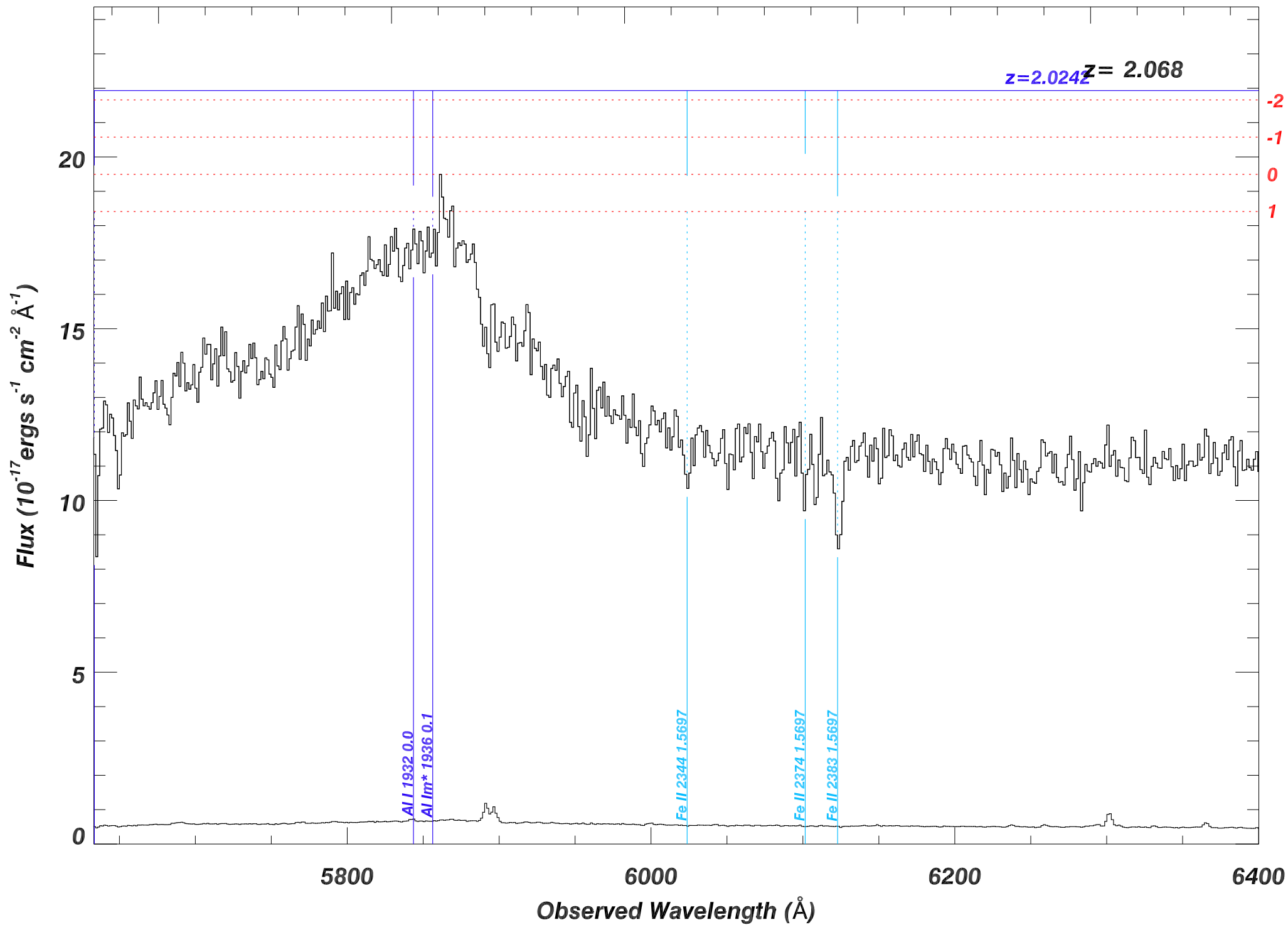
5800

6000

6200

6400

Observed Wavelength ( $\text{\AA}$ )



# SDSS\_J2355+2012\_MJD56945

Rest Wavelength ( $\text{\AA}$ )

2100

2150

2200

2250

2300

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

14

12

10

8

6

4

2

0

$z=2.0242$

$z=2.068$

-2

-1

0

1

Fe II 2587 1.5697

Fe II 2600 1.5697

Fe III\* 2333 0.4

Fe III\* 2339 0.9

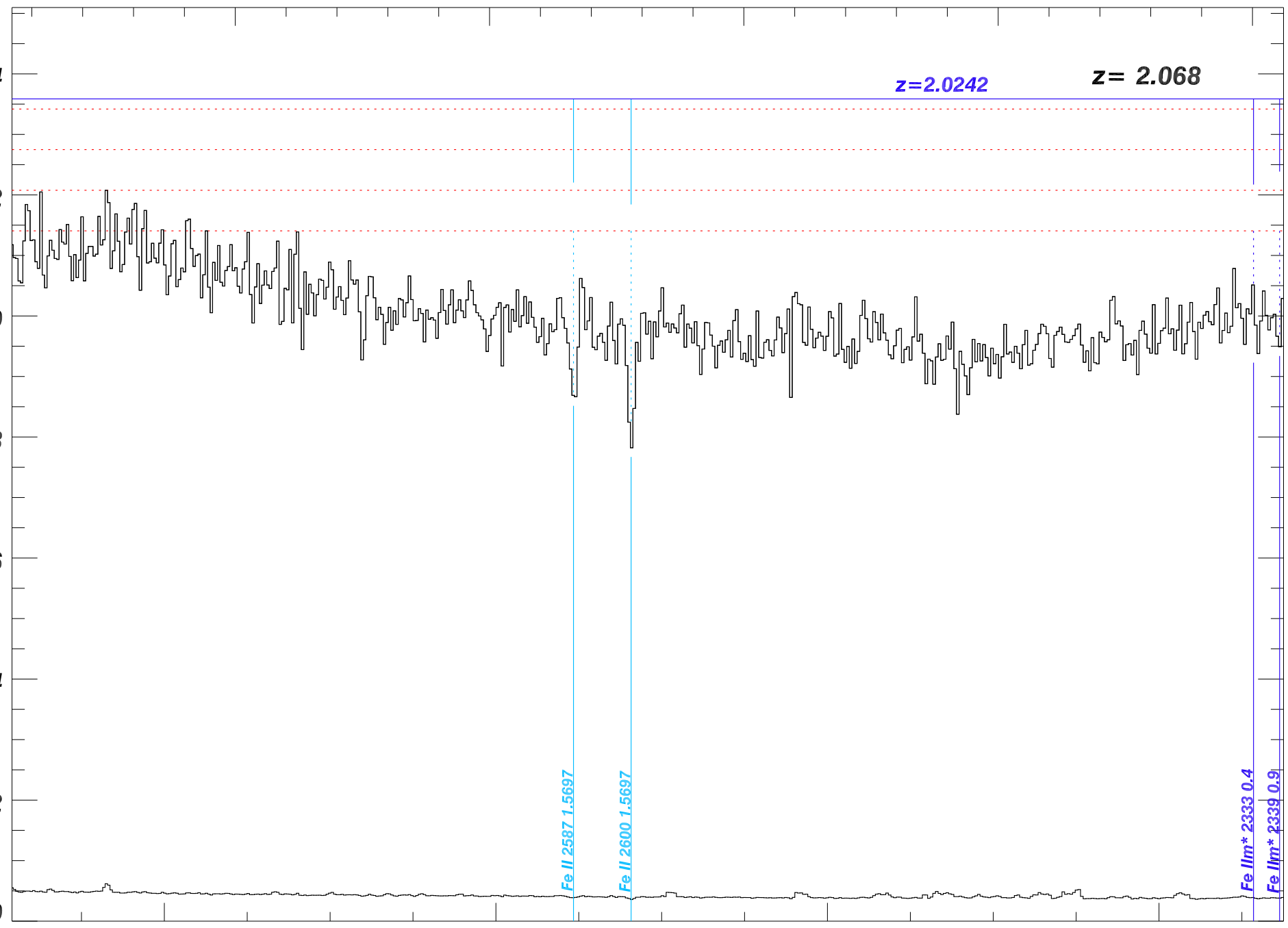
6400

6600

6800

7000

Observed Wavelength ( $\text{\AA}$ )



# SDSS\_J2355+2012\_MJD56945

Rest Wavelength ( $\text{\AA}$ )

2300

2350

2400

2450

2500

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

12

10

8

6

4

2

0

-2

-1

0

1

$z=2.0242$

$z=2.068$

7000

7200

7400

7600

Observed Wavelength ( $\text{\AA}$ )

Fe II m\* 2333 0.4

Fe II m\* 2339 0.9

Fe II 2344 0.0

Fe II m\* 2349 0.7

Fe II m\* 2366 0.4

Fe II 2374 0.0

Mg II 2804 1.5697

Fe II m\* 2389 0.4

Fe II m\* 2396 0.4

Fe II m\* 2400 0.7

Fe II m\* 2406 0.7

Fe II m\* 2411 0.9

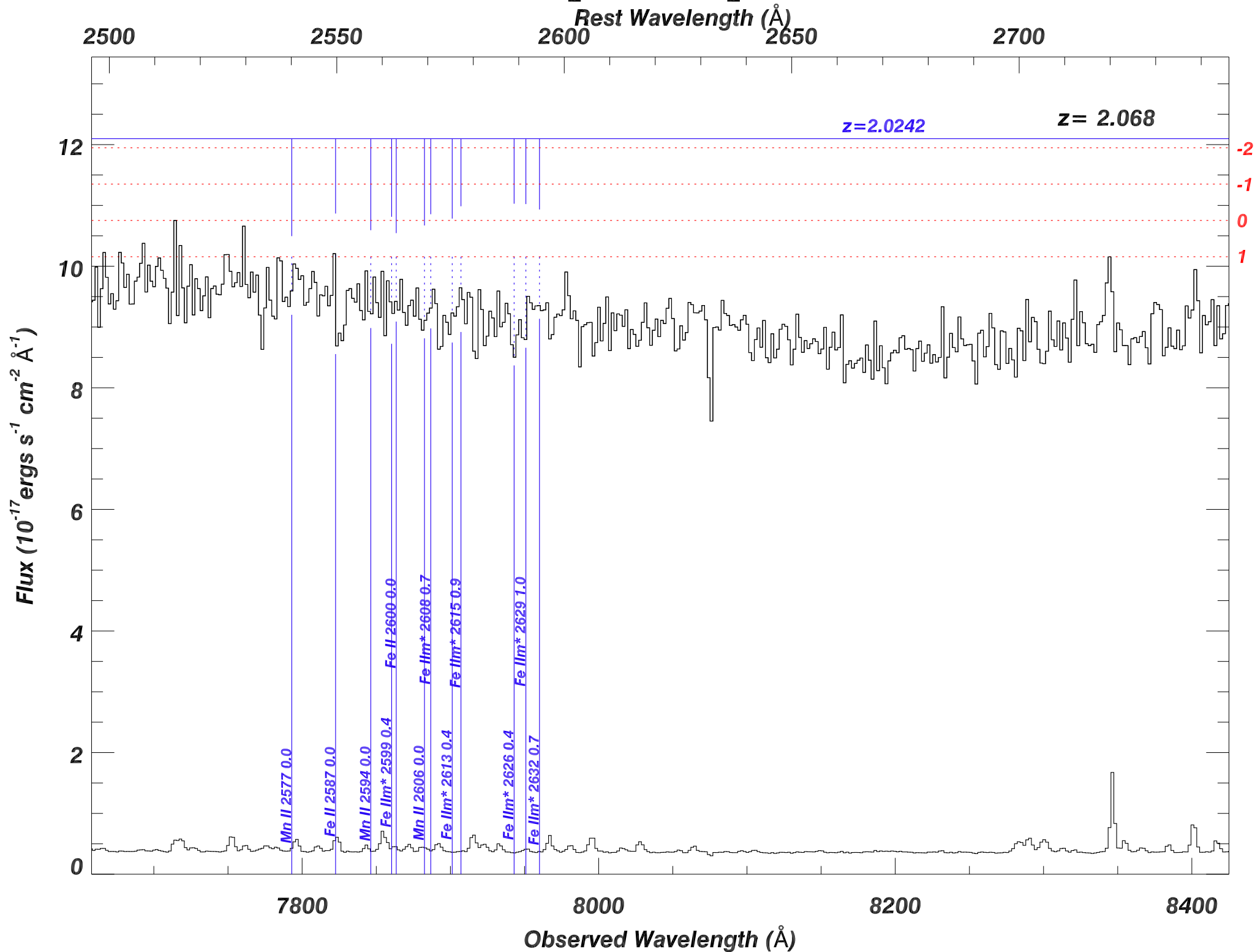
Fe II m\* 2412 1.0

Mg I 2853 1.5697

Fe I 2484 0.0

Fe I 2524 0.0

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# SDSS\_J2355+2012\_MJD56945

Rest Wavelength ( $\text{\AA}$ )

2750

2800

2850

2900

2950

$z=2.0242$

$z=2.068$

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

14  
12  
10  
8  
6  
4  
2  
0

-2  
-1  
0  
1

Mg II 2796 0.0

Mg II 2804 0.0

Mg I 2853 0.0

He I m\* 2946 159.9

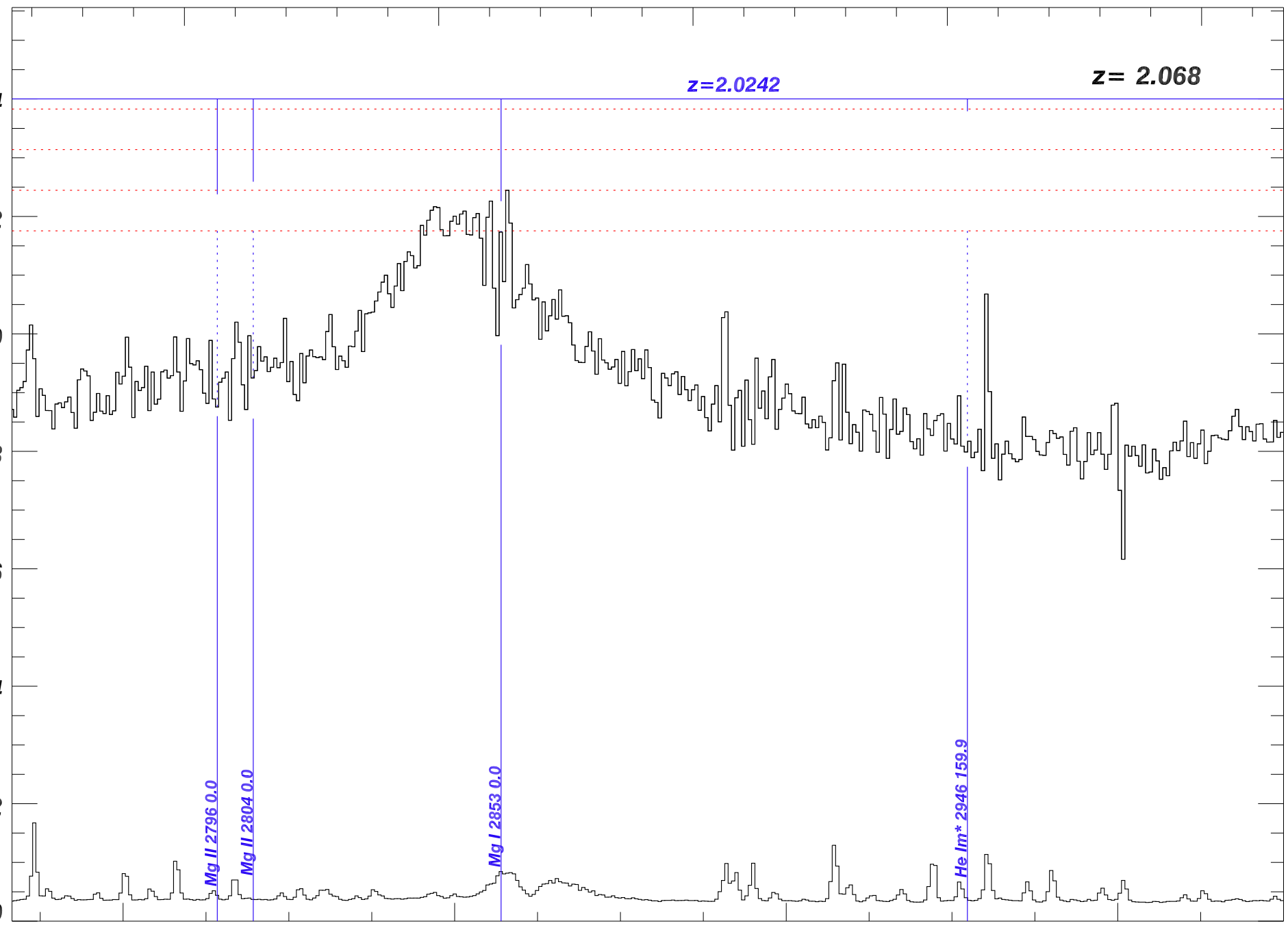
8400

8600

8800

9000

Observed Wavelength ( $\text{\AA}$ )



# SDSS\_J2355+2012\_MJD56945

Rest Wavelength ( $\text{\AA}$ )

2950

3000

3050

3100

3150

10

$z=2.0242$

$z=2.068$

-2

-1

0

1

8

6

4

2

0

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

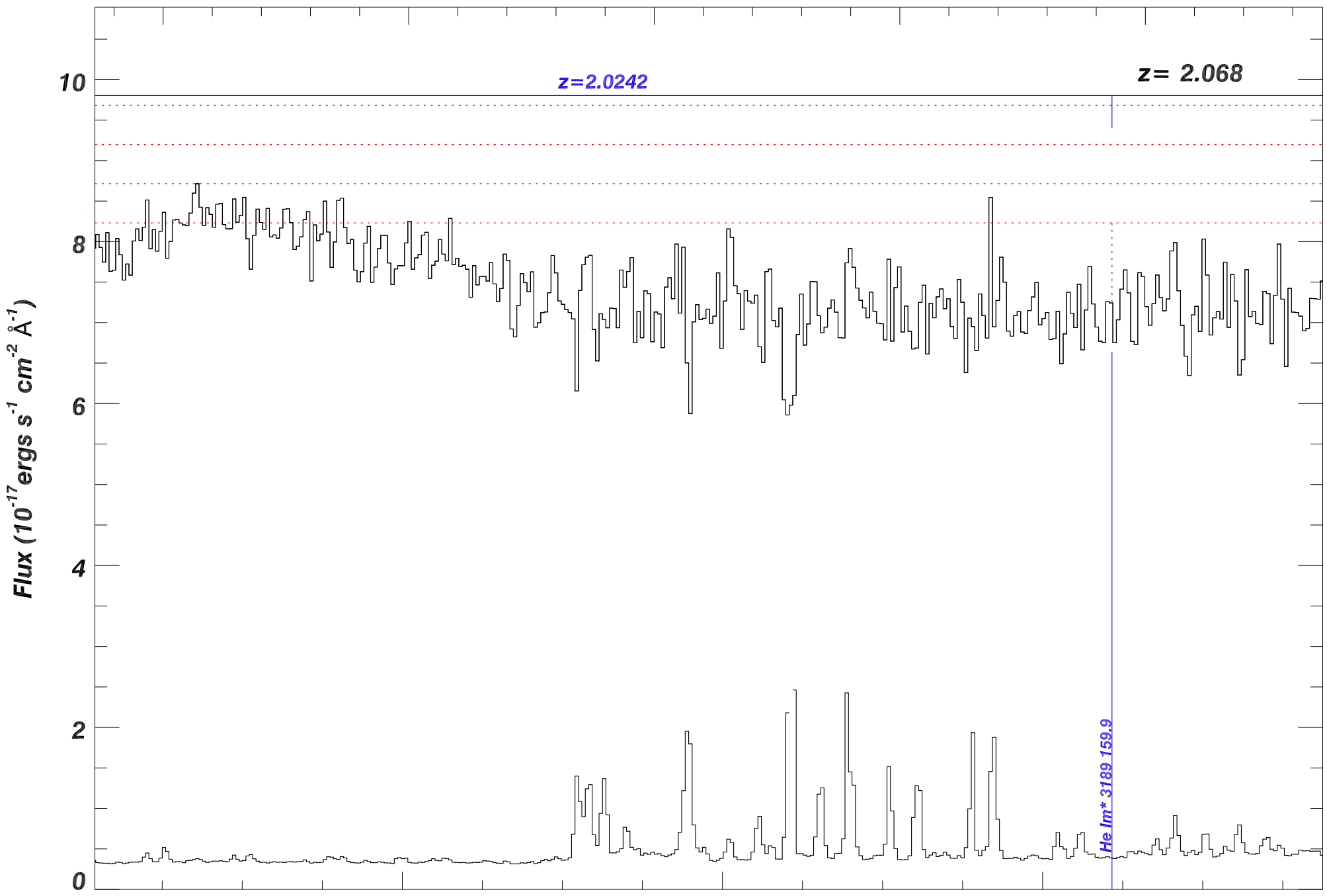
9200

9400

9600

Observed Wavelength ( $\text{\AA}$ )

He I m\* 3189 159.9



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