

**SDSS\_J1116+4345\_MJD56013**

*Rest Wavelength (Å)*

2000

3000

4000

5000

***z = 0.8007***

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

60

50

40

30

20

10

0

4000

5000

6000

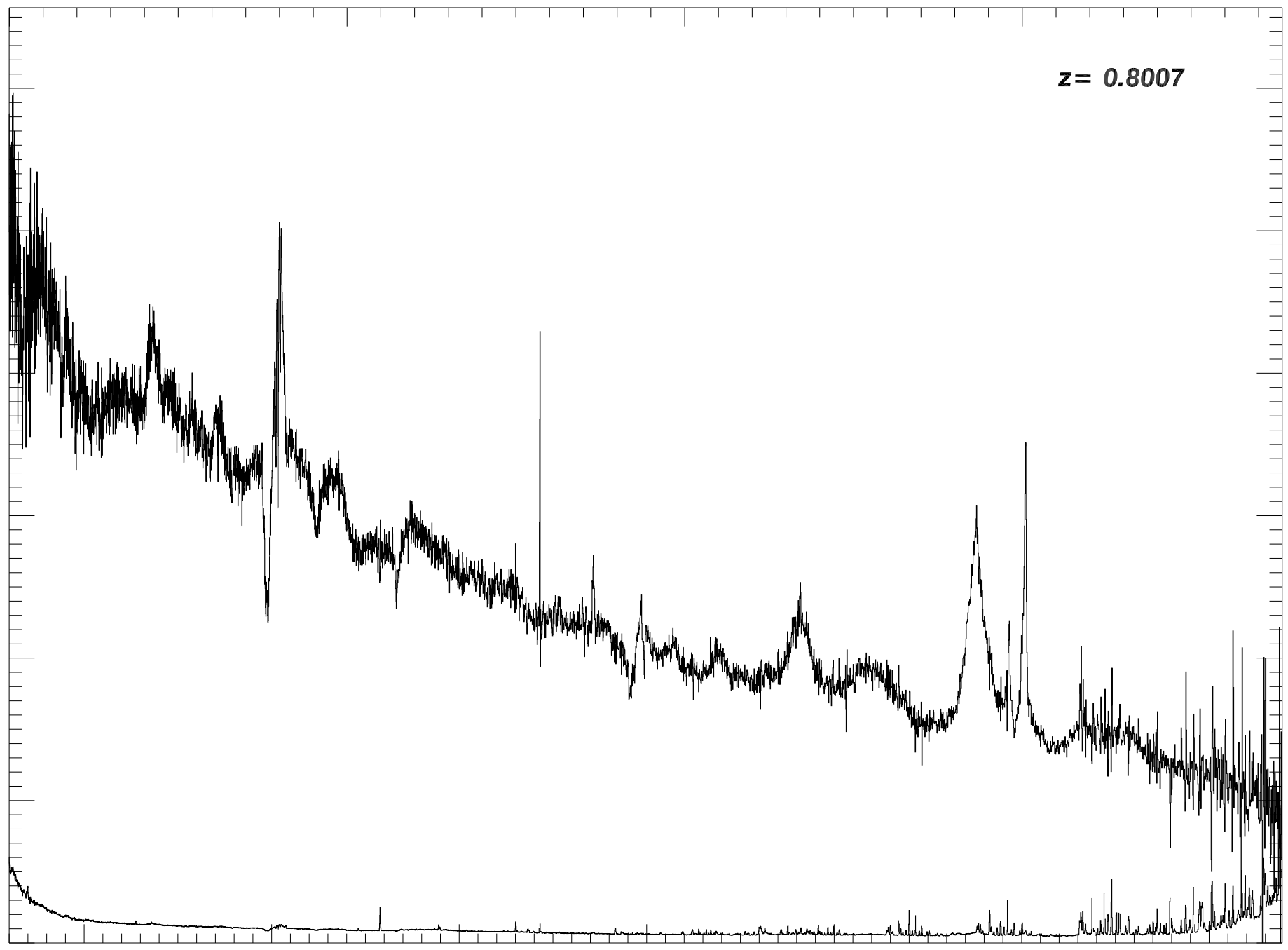
7000

8000

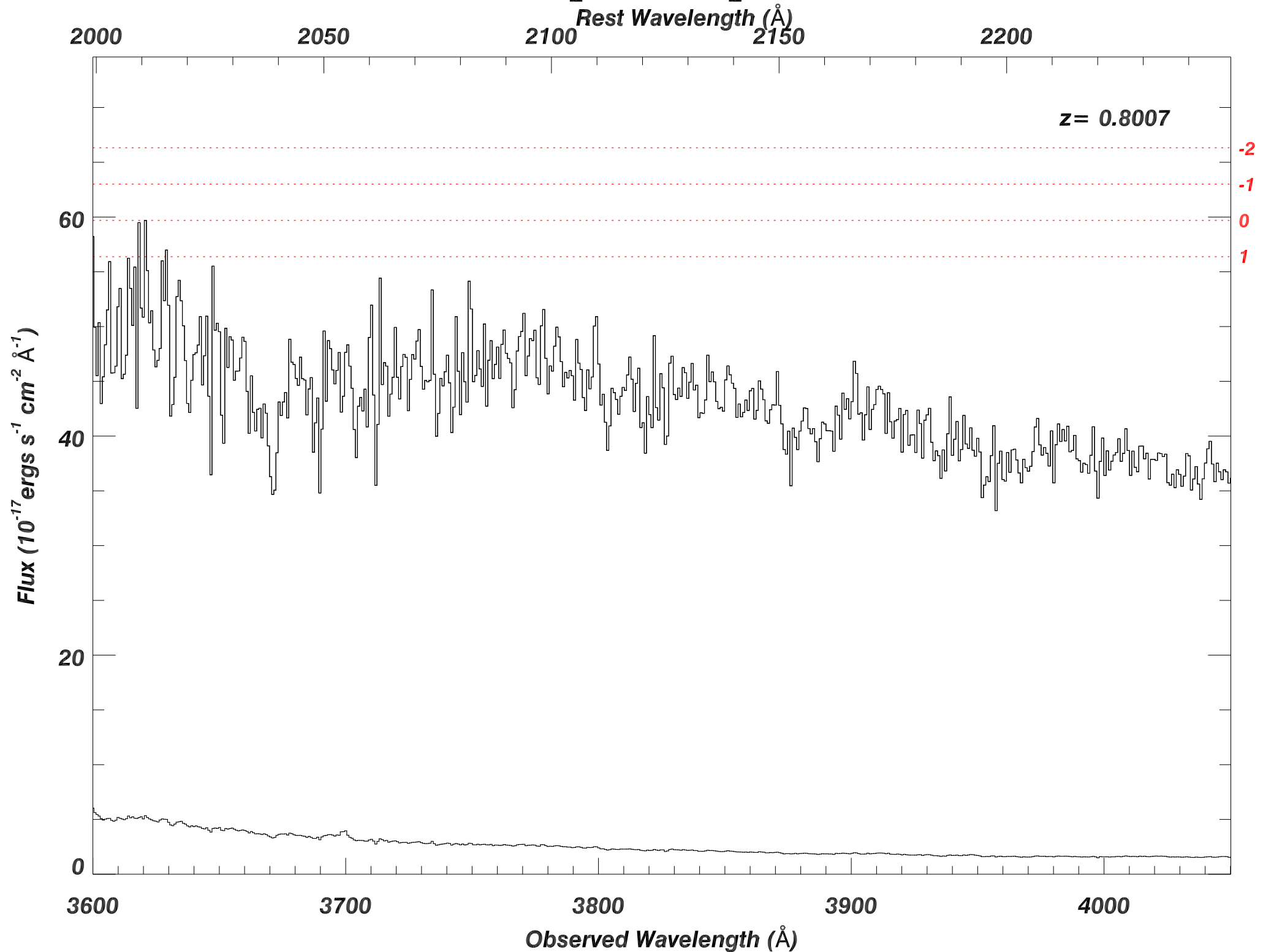
9000

10000

***Observed Wavelength (Å)***



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

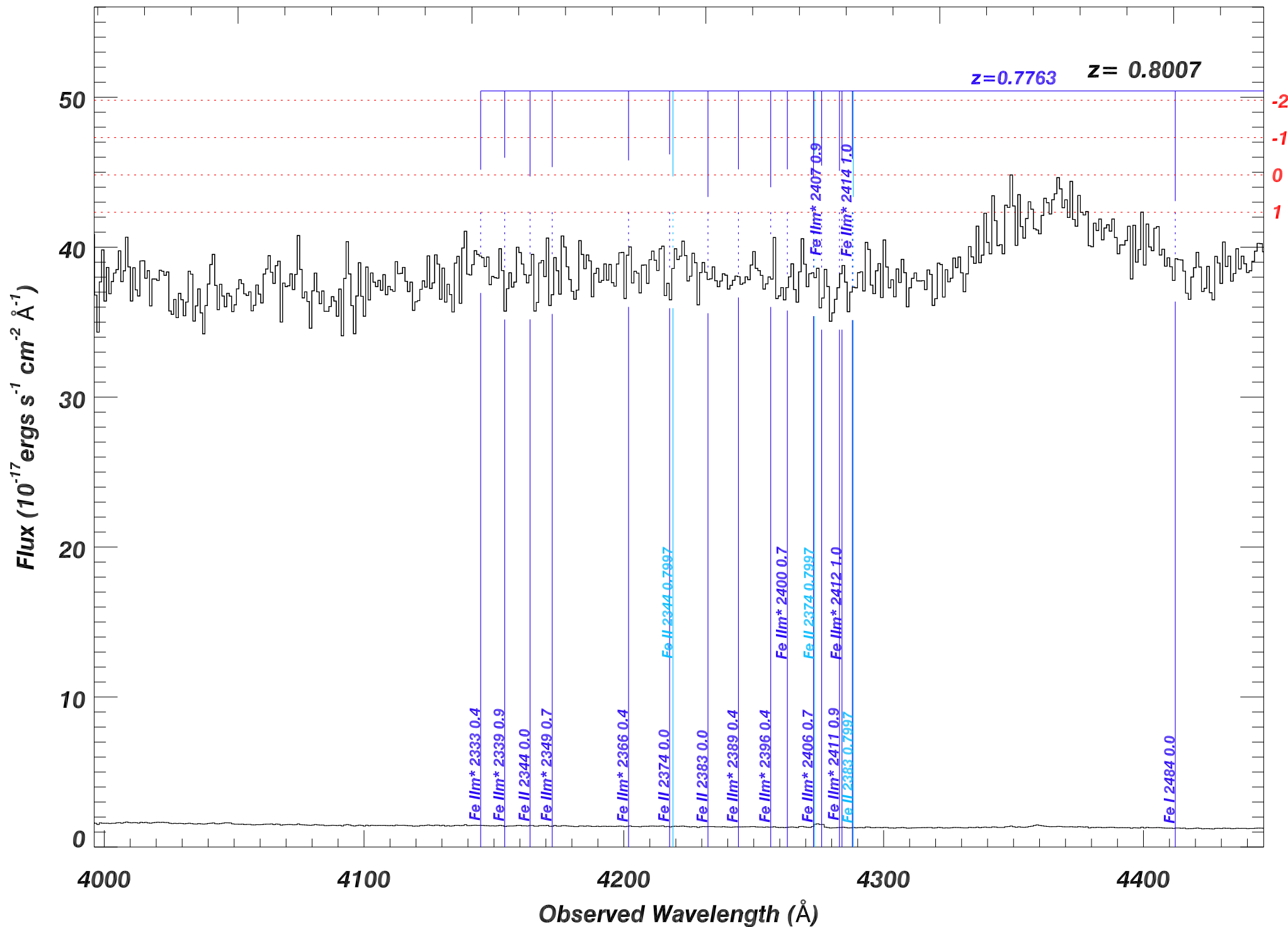
2250

2300

2350

2400

2450



# SDSS\_J1116+4345\_MJD56013

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

2450

2500

2550

2600

2650

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

50

40

30

20

10

0

$z=0.7763$   $z=0.8007$

-2  
-1  
0  
1

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

Fe II\* 2615 0.9

Fe II 2587 0.7997

Fe II\* 2626 0.4

Fe II\* 2629 1.0

Fe II\* 2632 0.7

Fe II 2600 0.7997

4400

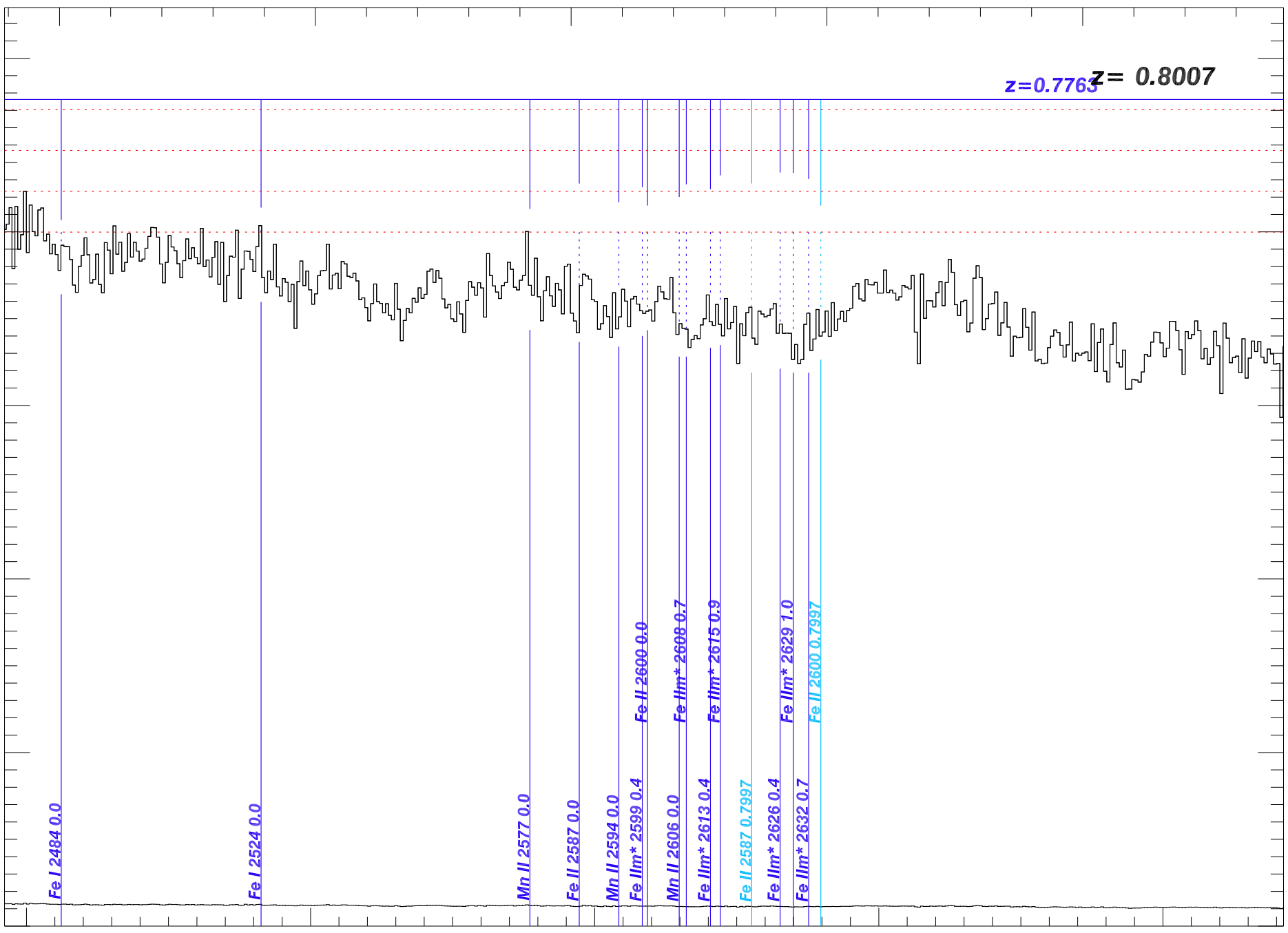
4500

4600

4700

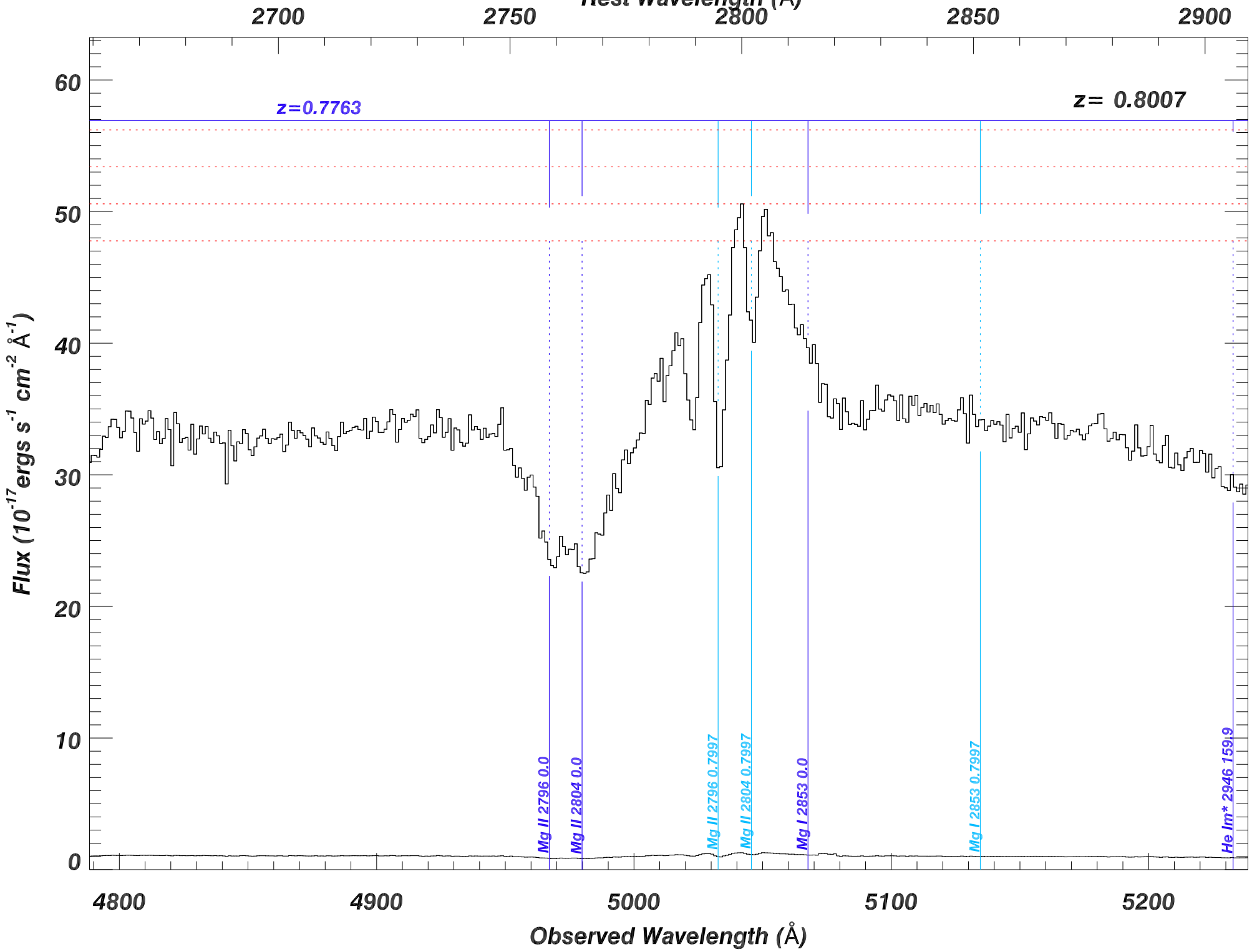
4800

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



# SDSS\_J1116+4345\_MJD56013

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



# SDSS\_J1116+4345\_MJD56013

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

2900

2950

3000

3050

3100

40

$z=0.7763$

$z=0.8007$

-2

-1

0

1

30

20

10

0

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

He I $\lambda$ \* 2946.159.9

5200

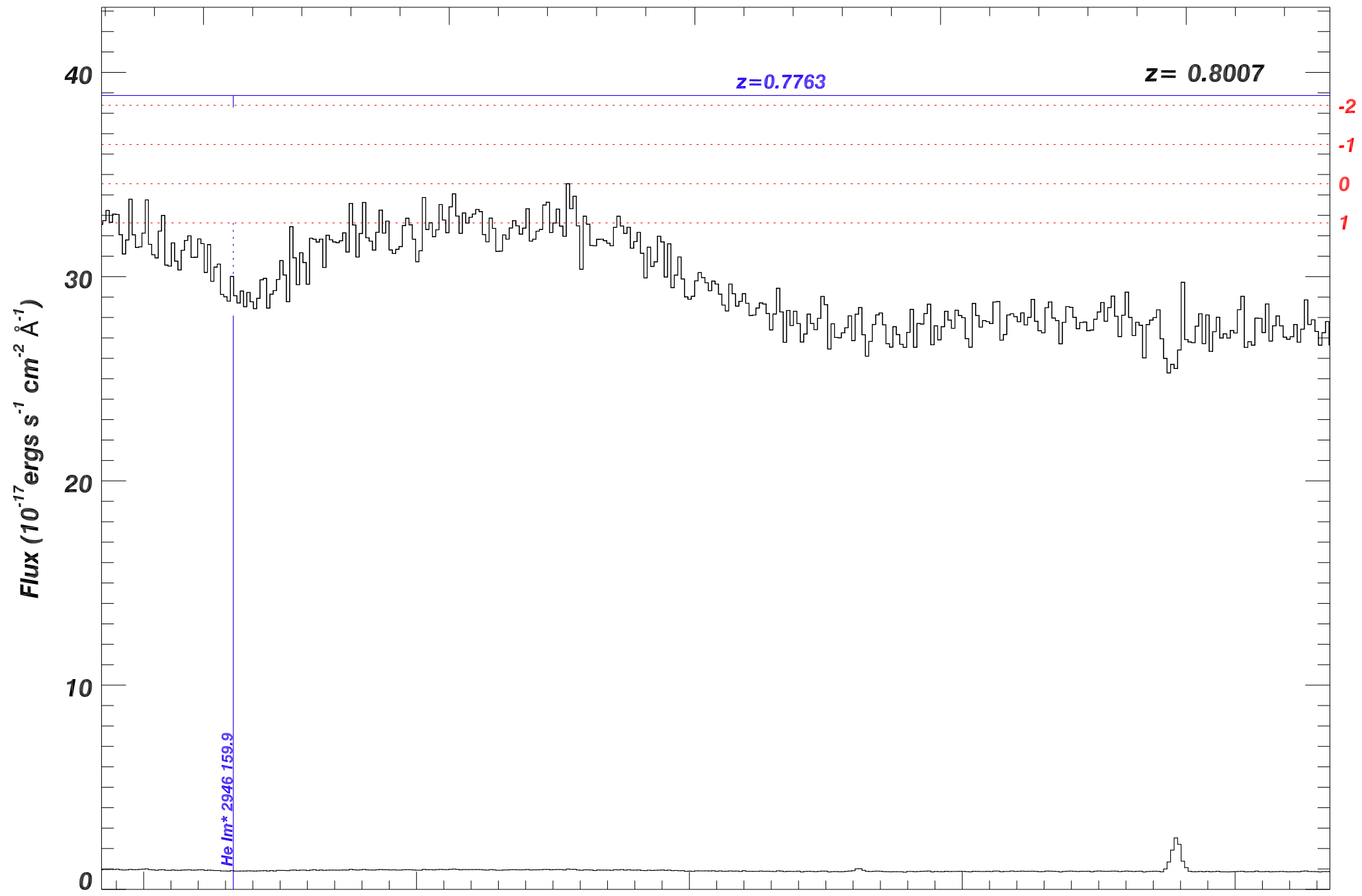
5300

5400

5500

5600

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



# SDSS\_J1116+4345\_MJD56013

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

3100

3200

3300

3400

$z=0.7763$

$z=0.8007$

-2

-1

0

1

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

30

20

10

0

He I $\lambda$ \* 3189.159.9

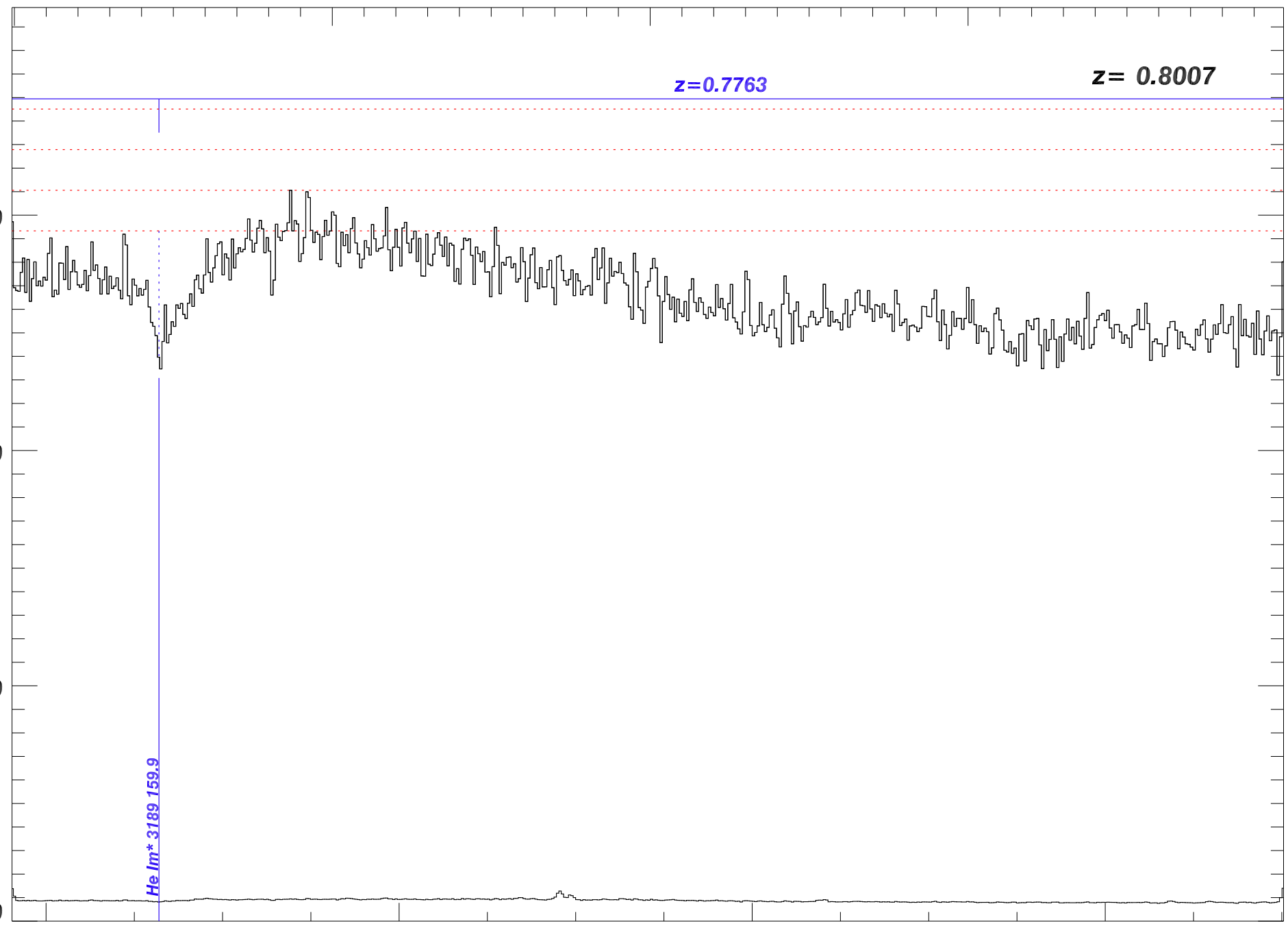
5600

5800

6000

6200

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



# SDSS\_J1116+4345\_MJD56013

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

3500

3600

3700

3800

$z=0.7763$

$z=0.8007$

-2  
-1  
0  
1

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

50  
40  
30  
20  
10  
0

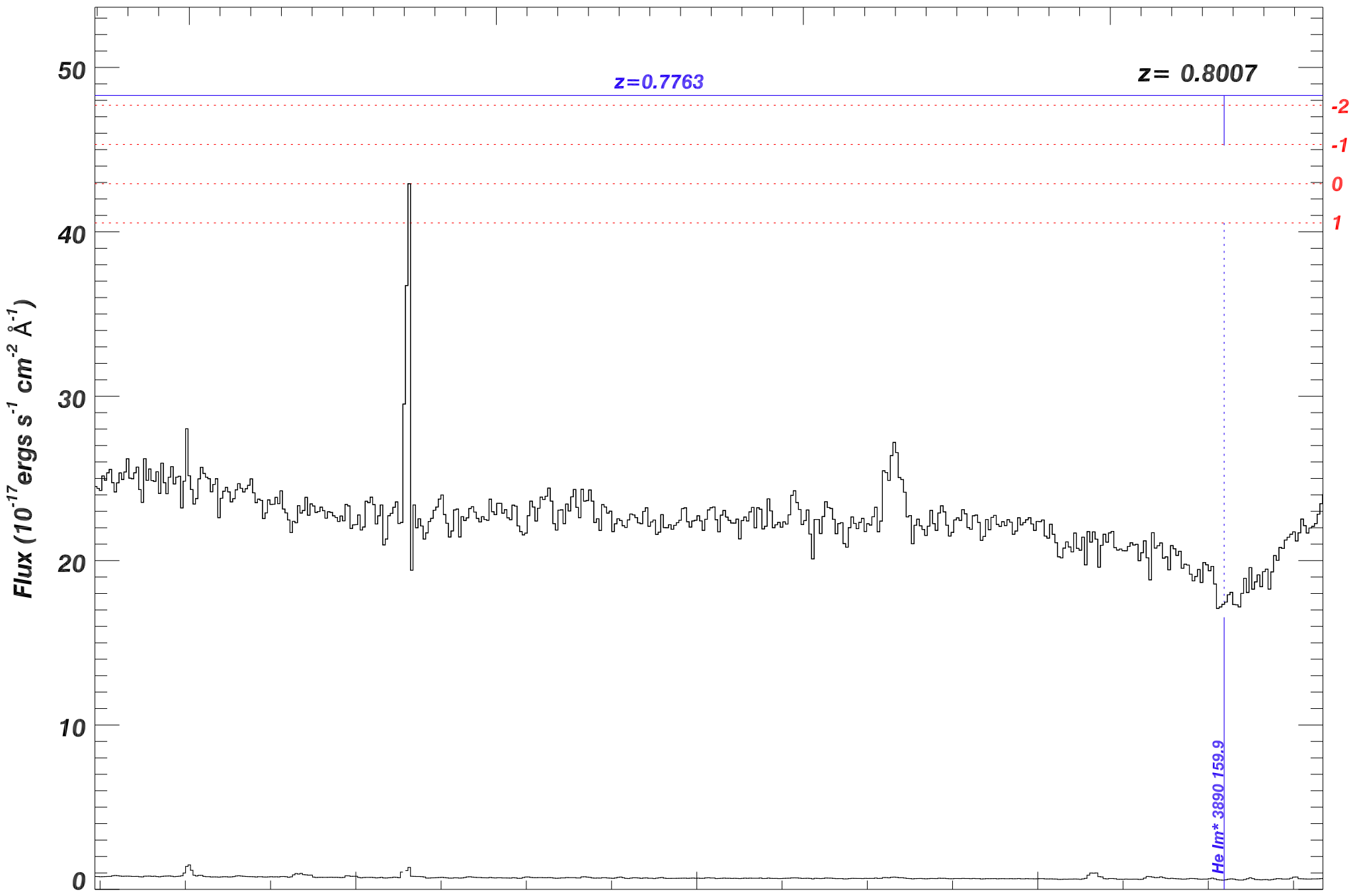
6400

6600

6800

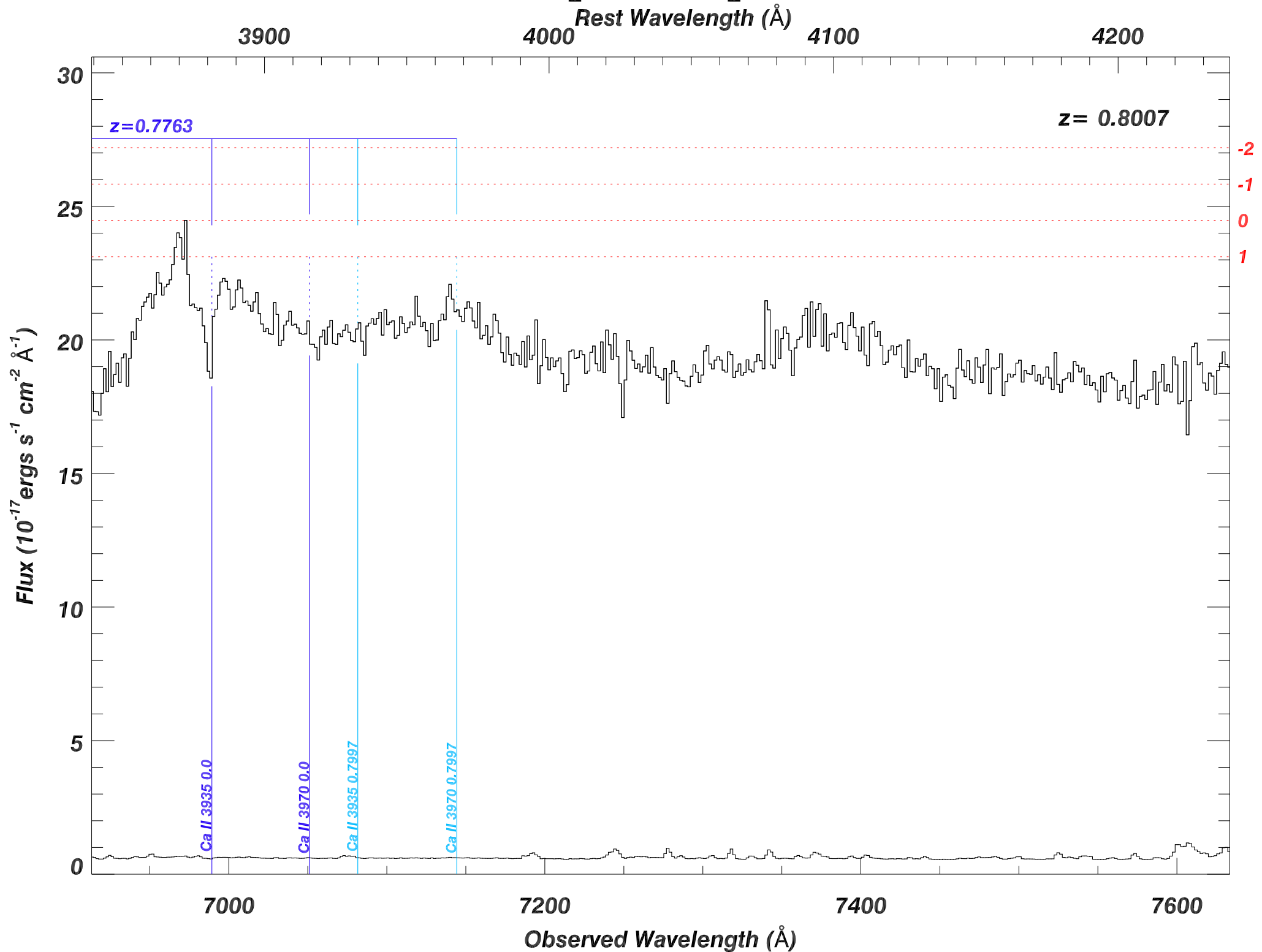
Observed Wavelength ( $\text{\AA}$ )

He I m\* 3890 159.9





# SDSS\_J1116+4345\_MJD56013



# SDSS\_J1116+4345\_MJD56013

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

4300

4400

4500

4600

$z = 0.8007$

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

30  
25  
20  
15  
10  
5  
0

-2  
-1  
0  
1

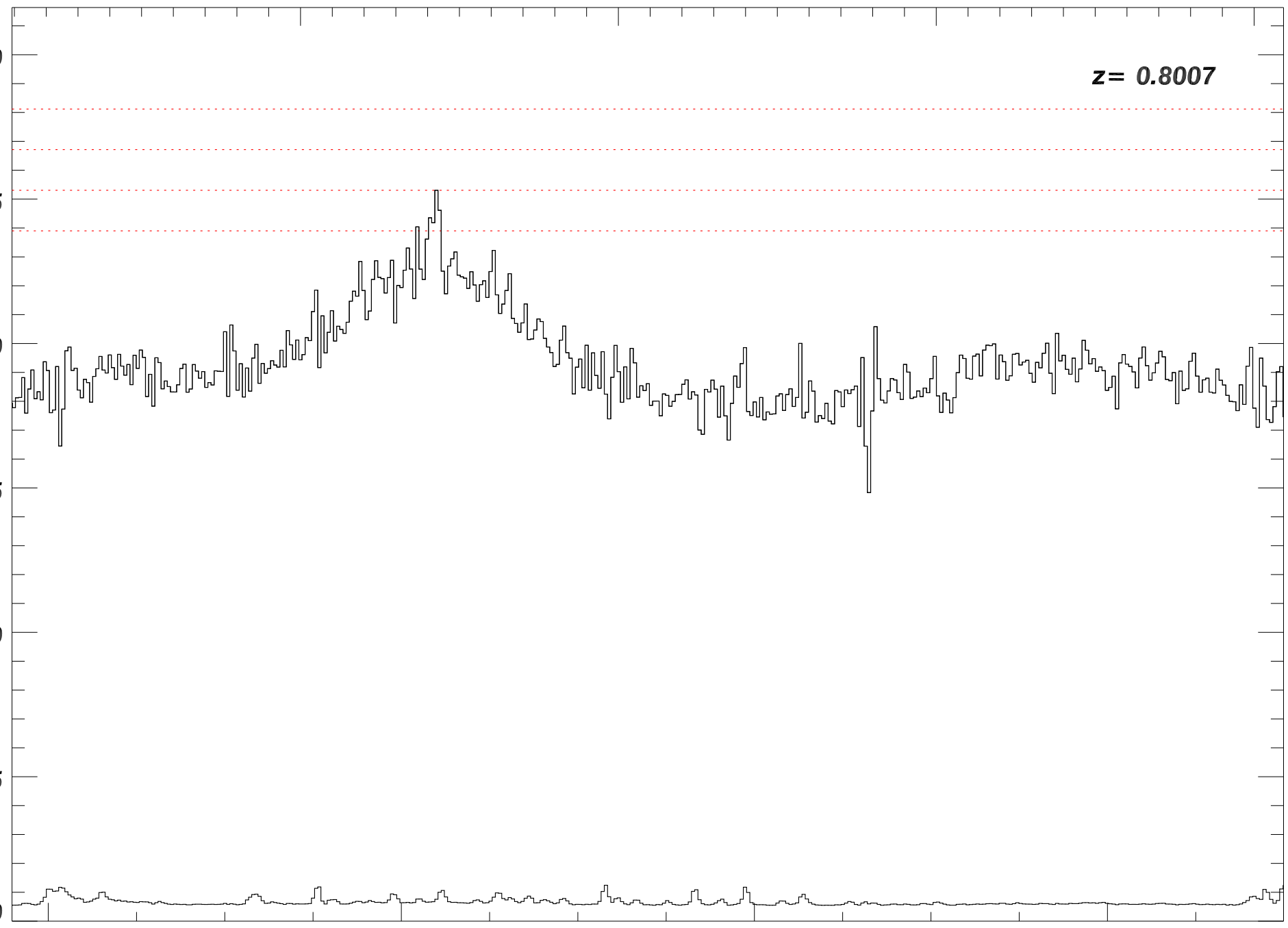
7600

7800

8000

8200

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



**SDSS\_J1116+4345\_MJD56013**

*Rest Wavelength (Å)*

4600

4700

4800

4900

***z = 0.8007***

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

30

20

10

0

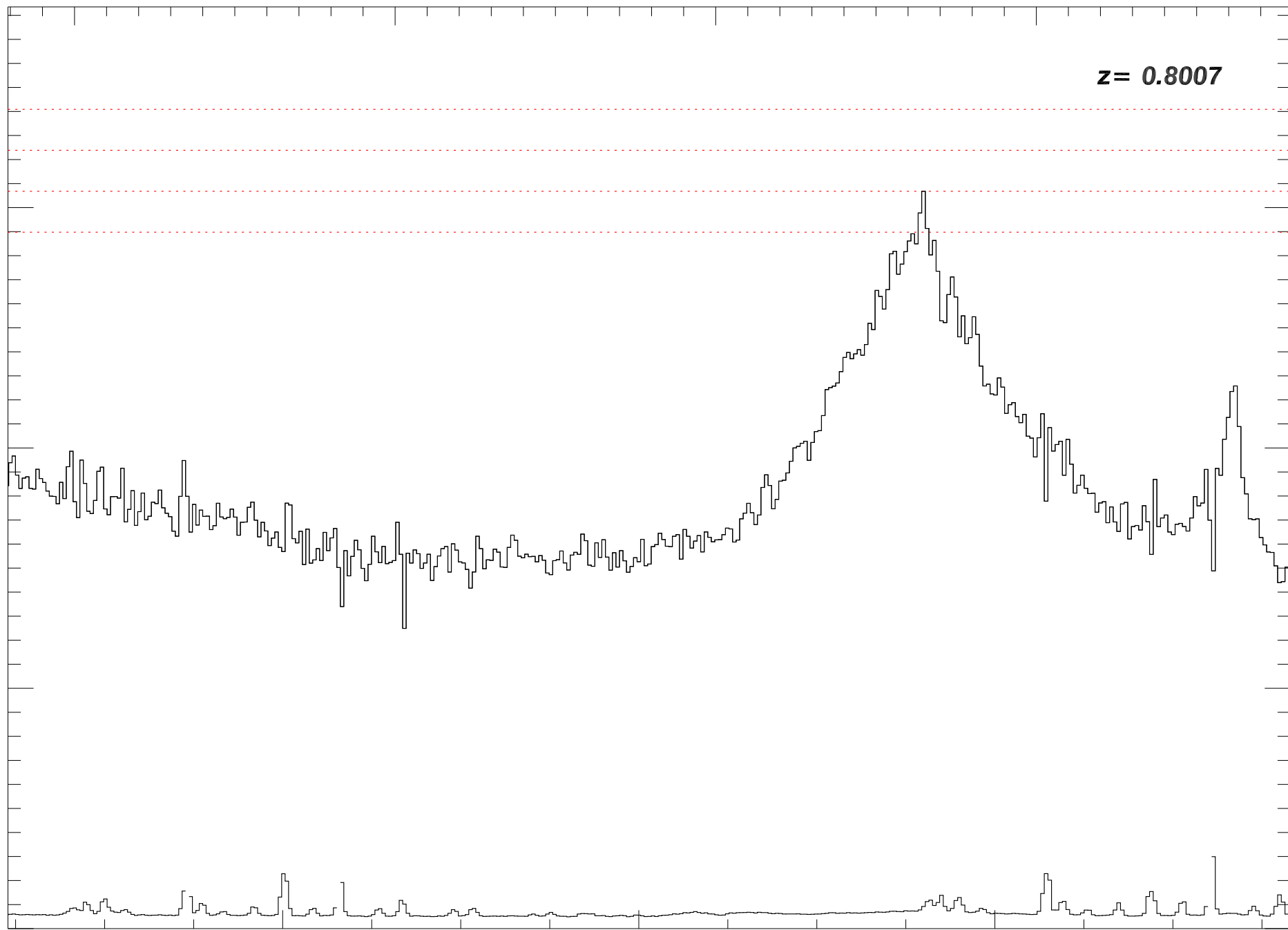
8400

8600

8800

***Observed Wavelength (Å)***

-2  
-1  
0  
1



# SDSS\_J1116+4345\_MJD56013

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

5000

5200

5400

5600

$z = 0.8007$

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

40

30

20

10

0

-2  
-1  
0  
1

$9.00 \times 10^3$

$9.20 \times 10^3$

$9.40 \times 10^3$

$9.60 \times 10^3$

$9.80 \times 10^3$

$1.00 \times 10^4$

$1.02 \times 10^4$

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

