

**SDSS\_J1116+5313\_MJD56636**

*Rest Wavelength (Å)*

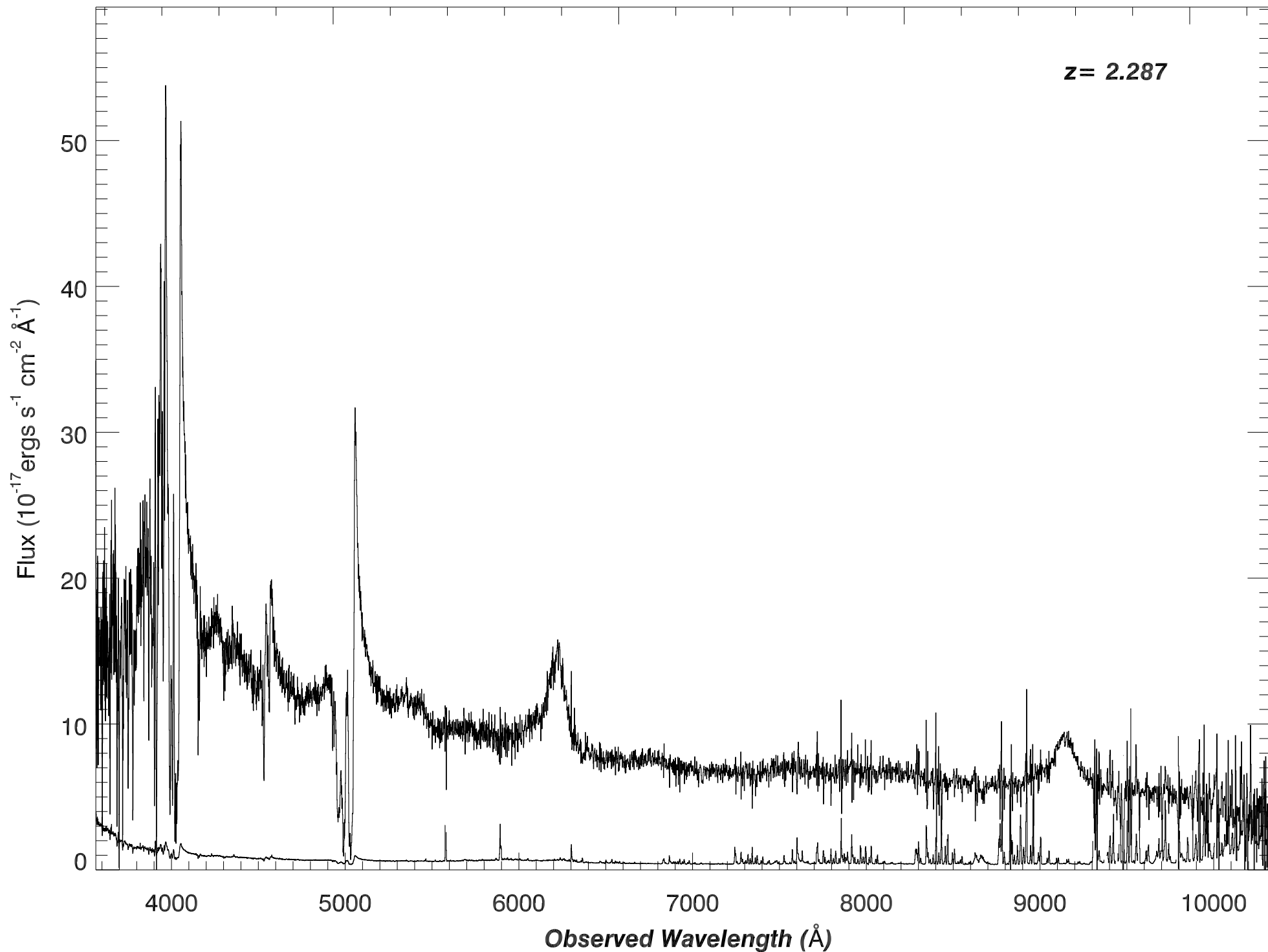
1500

2000

2500

3000

***z = 2.287***



# SDSS\_J1116+5313\_MJD56636

Rest Wavelength (Å)

1100

1150

1200

1250

1300

$z=2.2525$

$z=2.287$

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

60

50

40

30

20

10

0

-2

-1

0

1

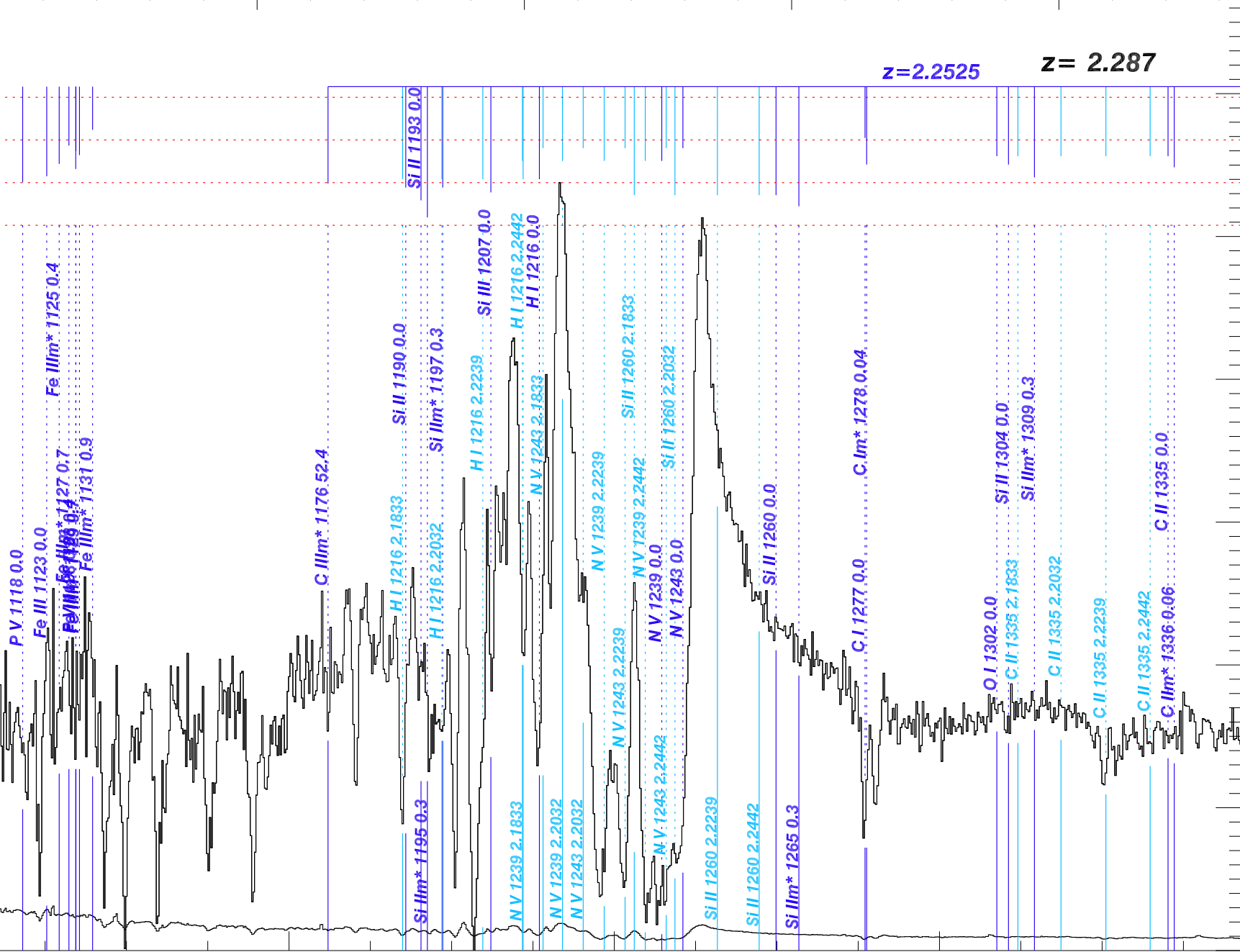
3600

3800

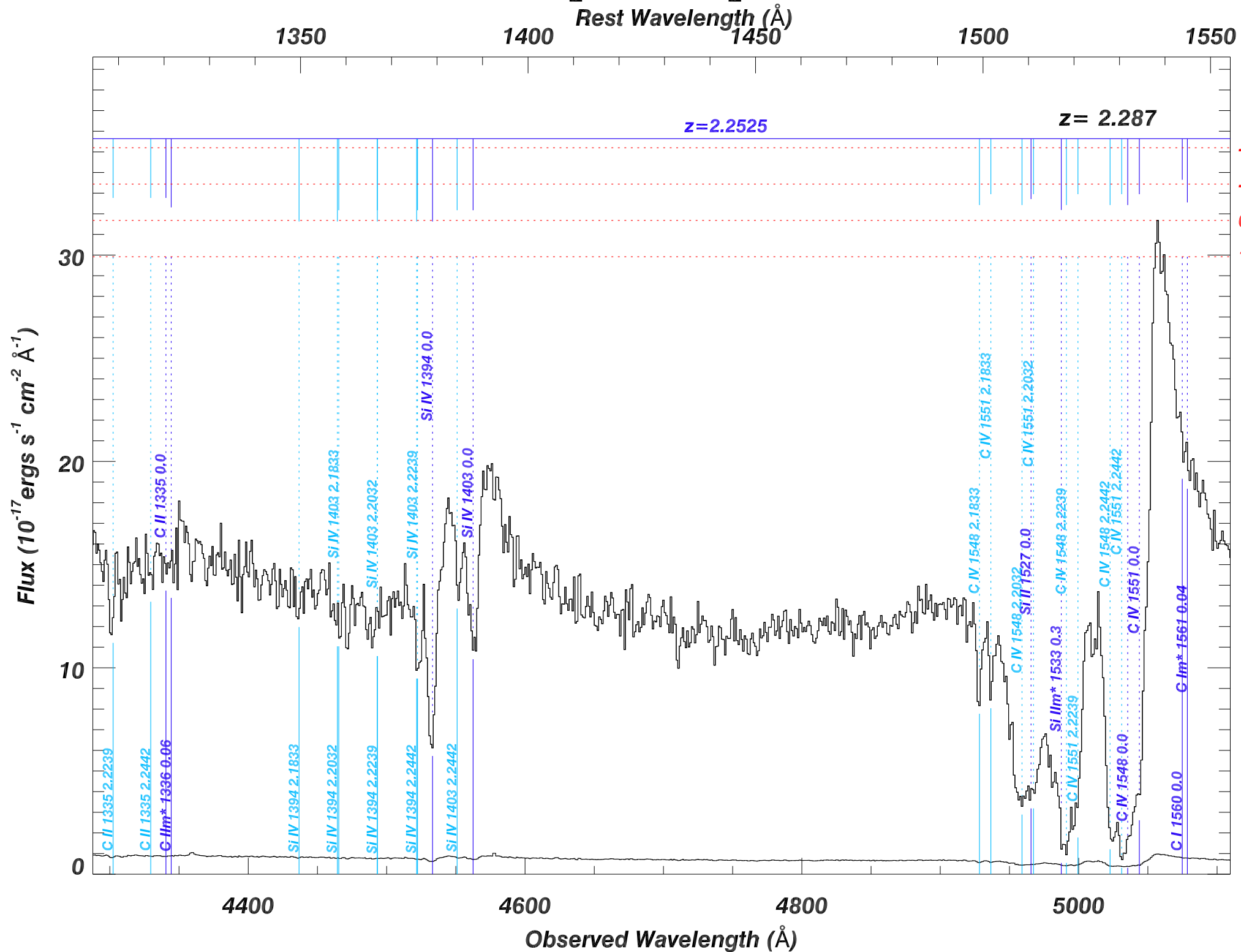
4000

4200

Observed Wavelength (Å)



## SDSS\_J1116+5313\_MJD56636



# SDSS\_J1116+5313\_MJD56636

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

1550

1600

1650

1700

1750

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

30

20

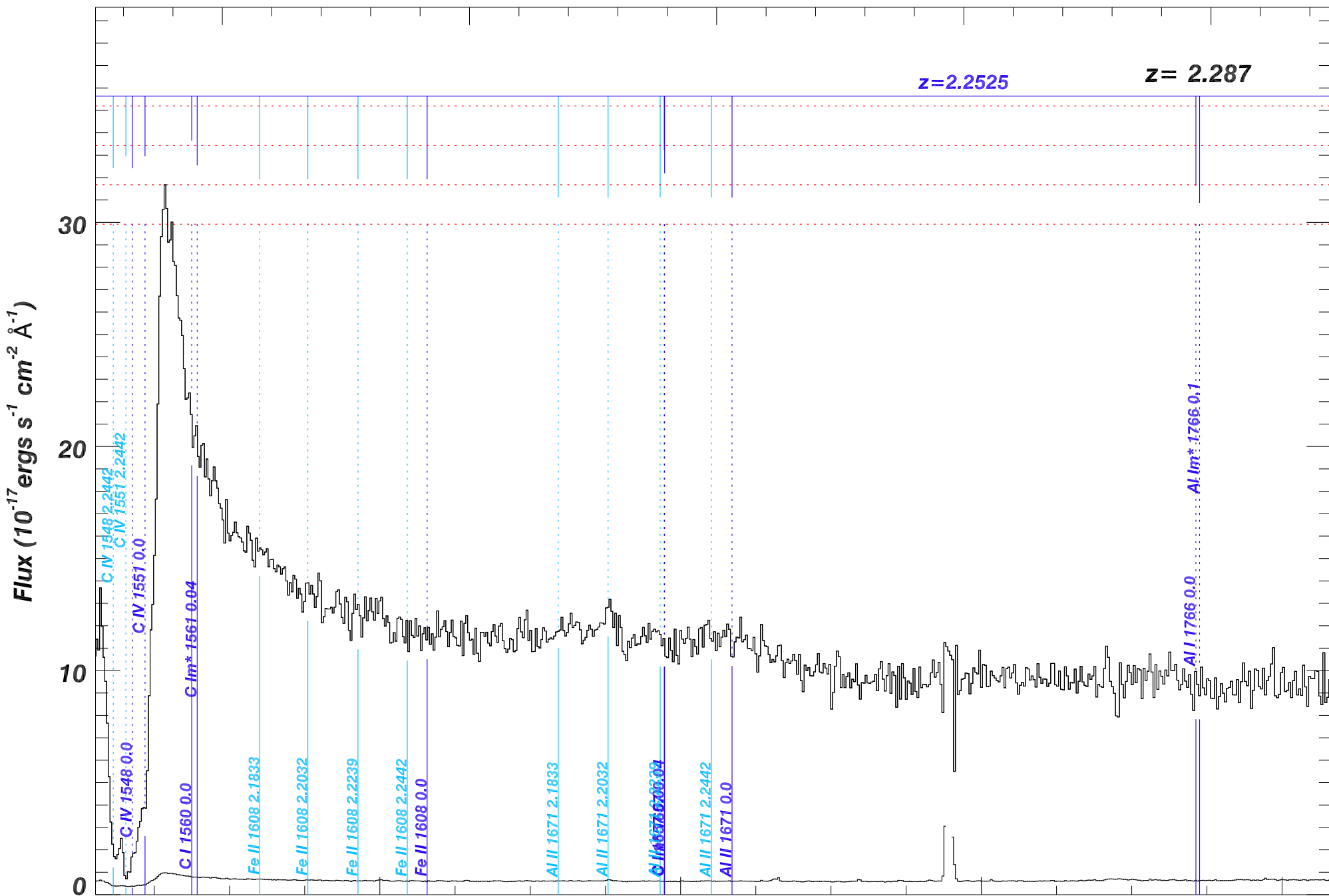
10

0

$z=2.2525$

$z=2.287$

-2  
-1  
0  
1



5200

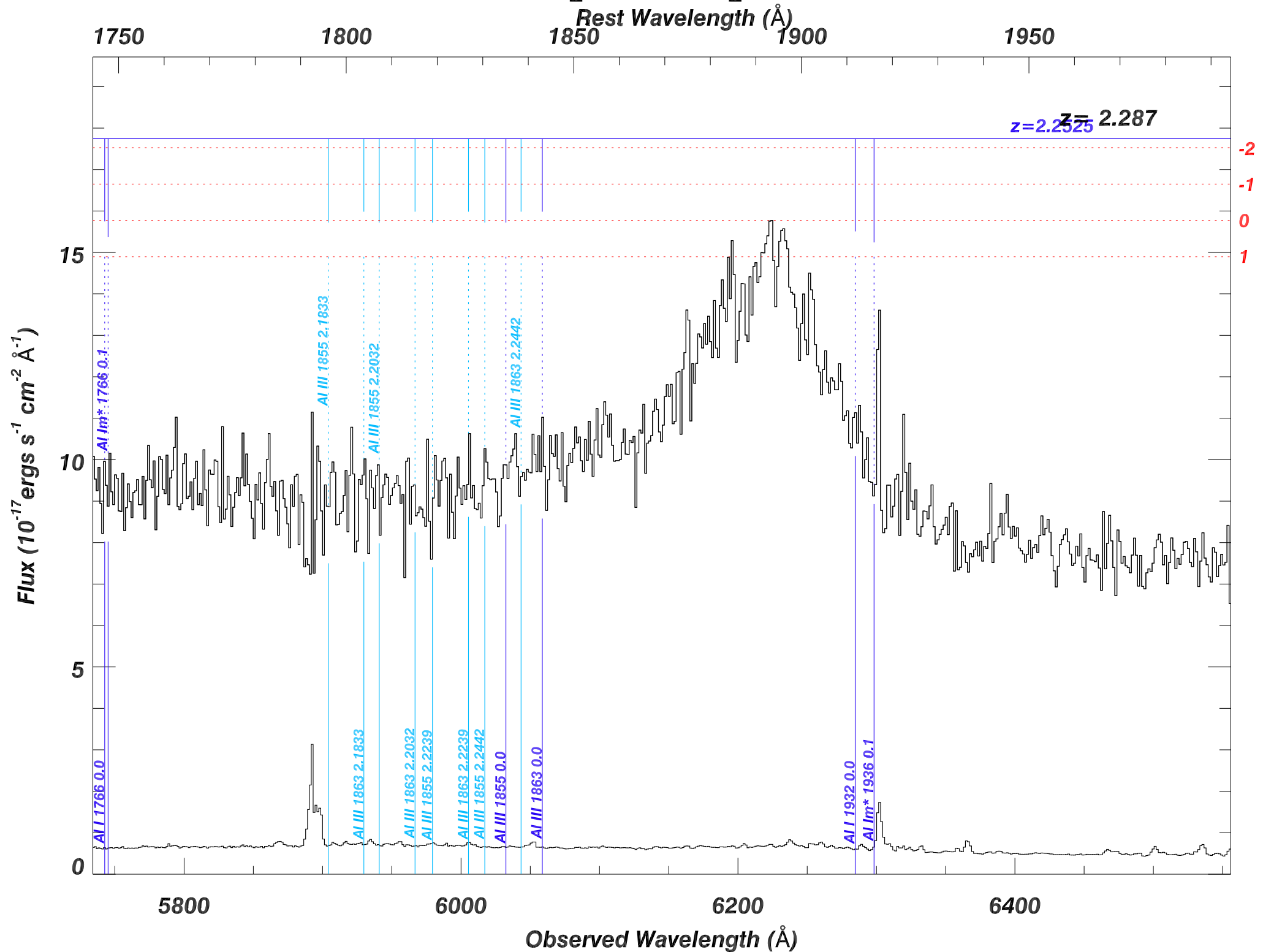
5400

5600

5800

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

# SDSS\_J1116+5313\_MJD56636



# SDSS\_J1116+5313\_MJD56636

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

2000

2050

2100

2150

2200

10

$z = 2.287$

-2

-1

0

1

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

8

6

4

2

0

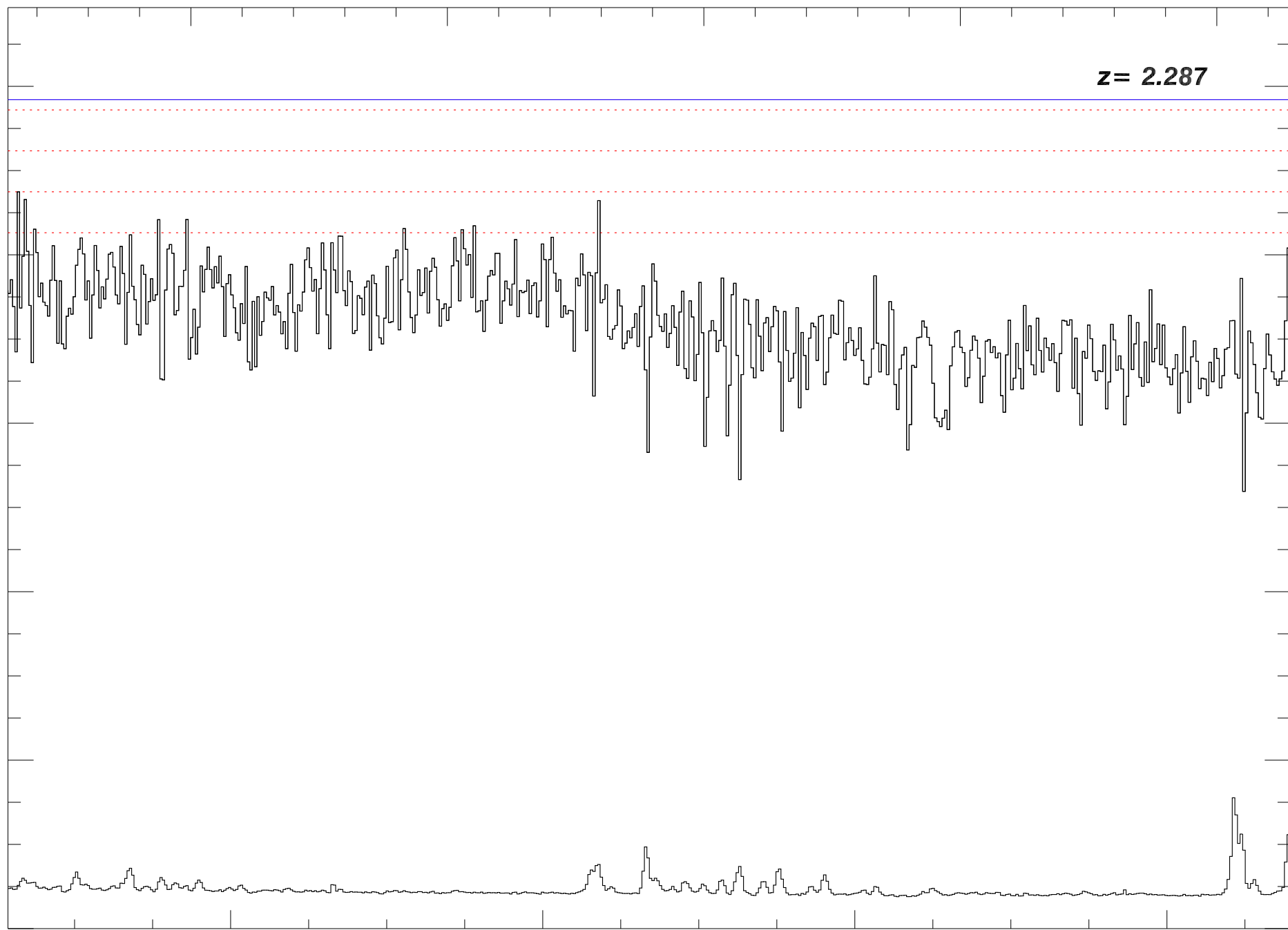
6600

6800

7000

7200

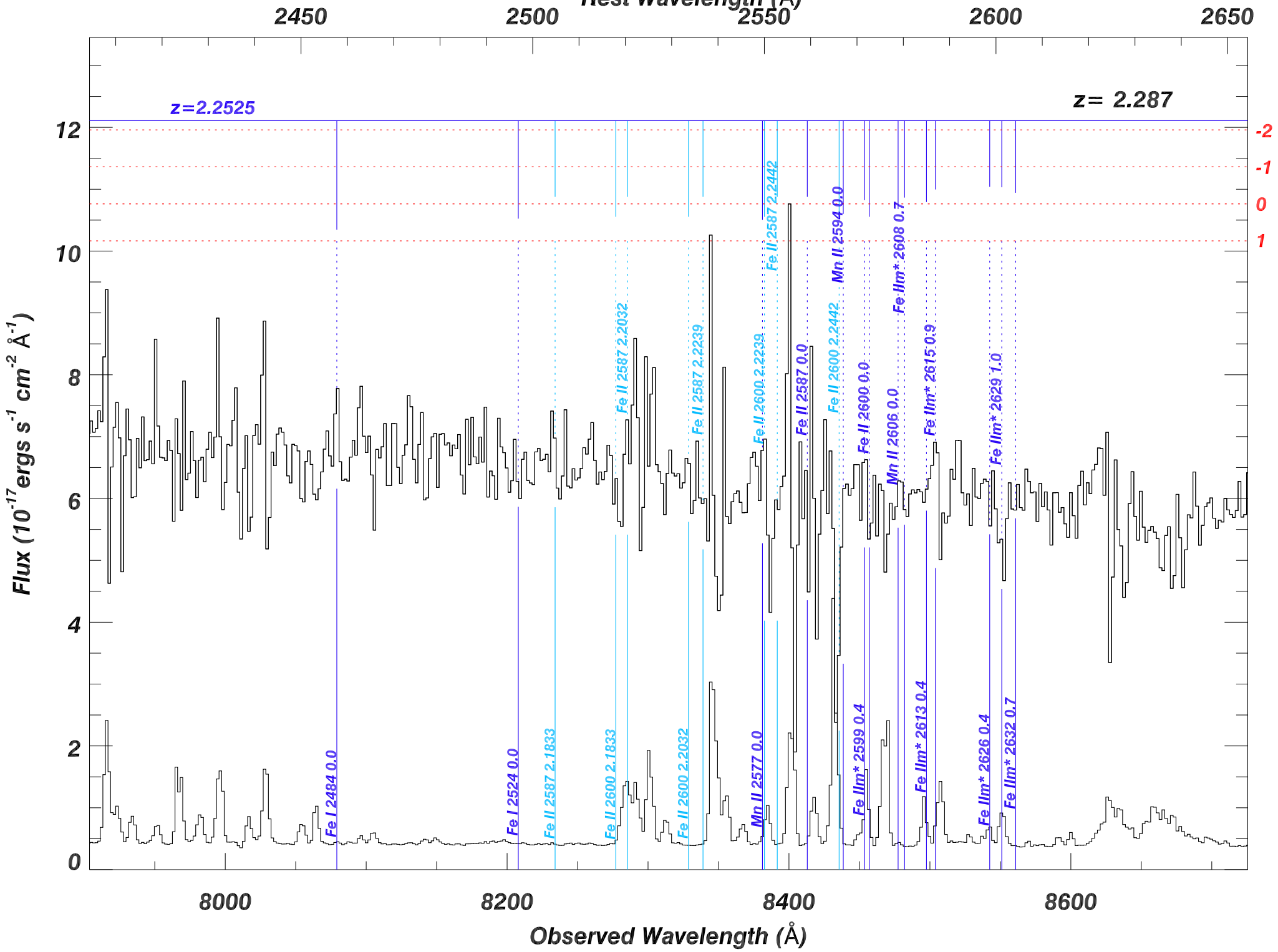
Observed Wavelength ( $\text{\AA}$ )





# SDSS\_J1116+5313\_MJD56636

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





# SDSS\_J1116+5313\_MJD56636

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

2650

2700

2750

2800

2850

$z=2.2525$

$z= 2.287$

-2  
-1  
0  
1

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

12

10

8

6

4

2

0

8800

9000

9200

9400

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

Mg II 2796 2.1833

Mg II 2804 2.1833

Mg II 2796 2.2032

Mg II 2804 2.2032

Mg II 2796 2.2239

Mg II 2804 2.2239

Mg II 2796 2.2442

Mg II 2804 2.2442

Mg I 2853 2.1833

Mg II 2796 0.0

Mg II 2804 0.0

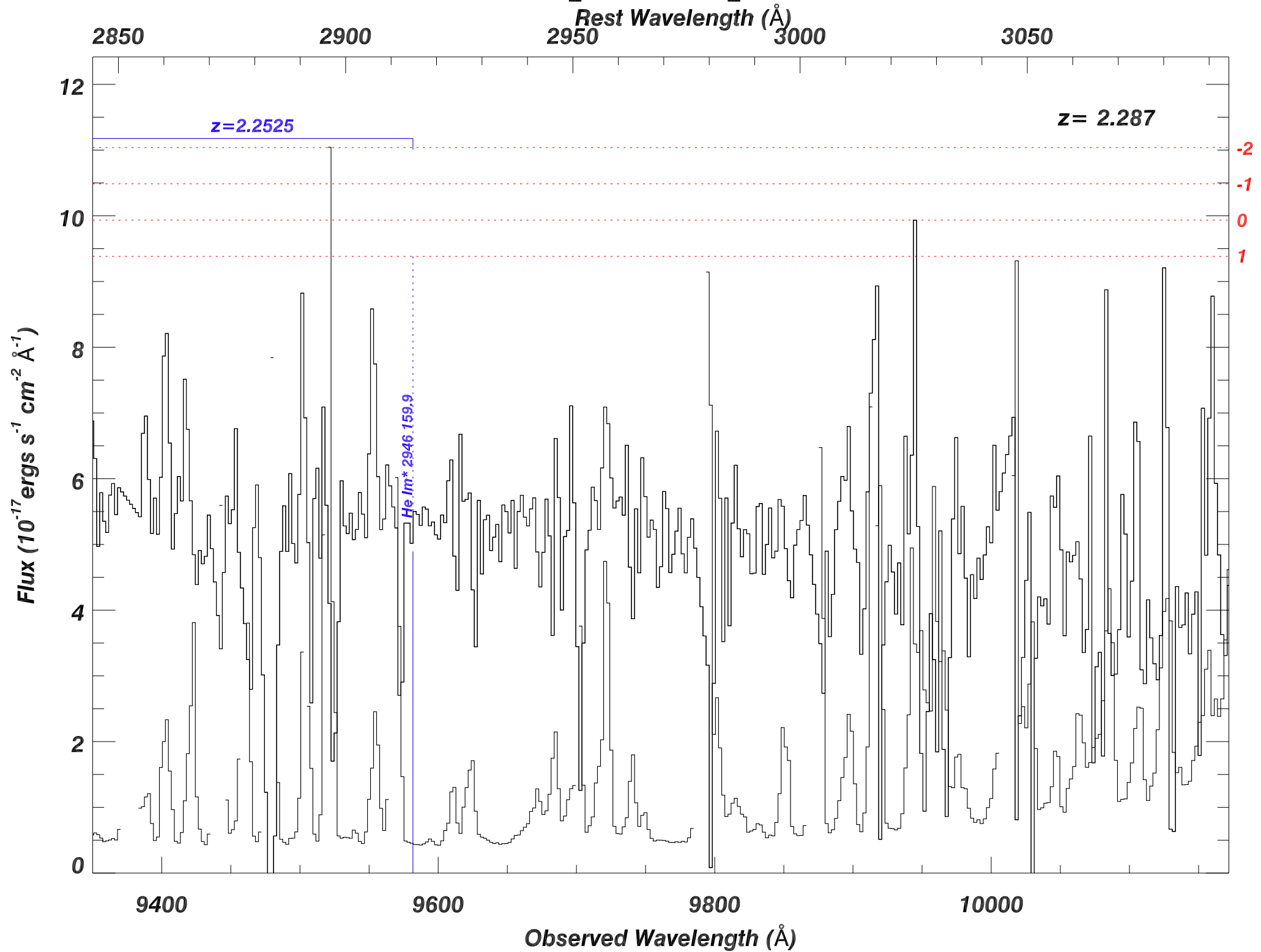
Mg I 2853 2.2032

Mg I 2853 2.2239

Mg I 2853 2.2442

Mg I 2853 0.0

# SDSS\_J1116+5313\_MJD56636



# SDSS\_J1116+5313\_MJD56636

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

3100

3200

3300

3400

$z = 2.287$

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

12  
10  
8  
6  
4  
2  
0

-2  
-1  
0  
1

$1.02 \times 10^4$

$1.04 \times 10^4$

$1.06 \times 10^4$

$1.08 \times 10^4$

$1.10 \times 10^4$

$1.12 \times 10^4$

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

