

**SDSS\_J1102+0643\_MJD55926**

*Rest Wavelength (Å)*

1500

2000

2500

3000

**z = 2.335**

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

80

60

40

20

0

4000

5000

6000

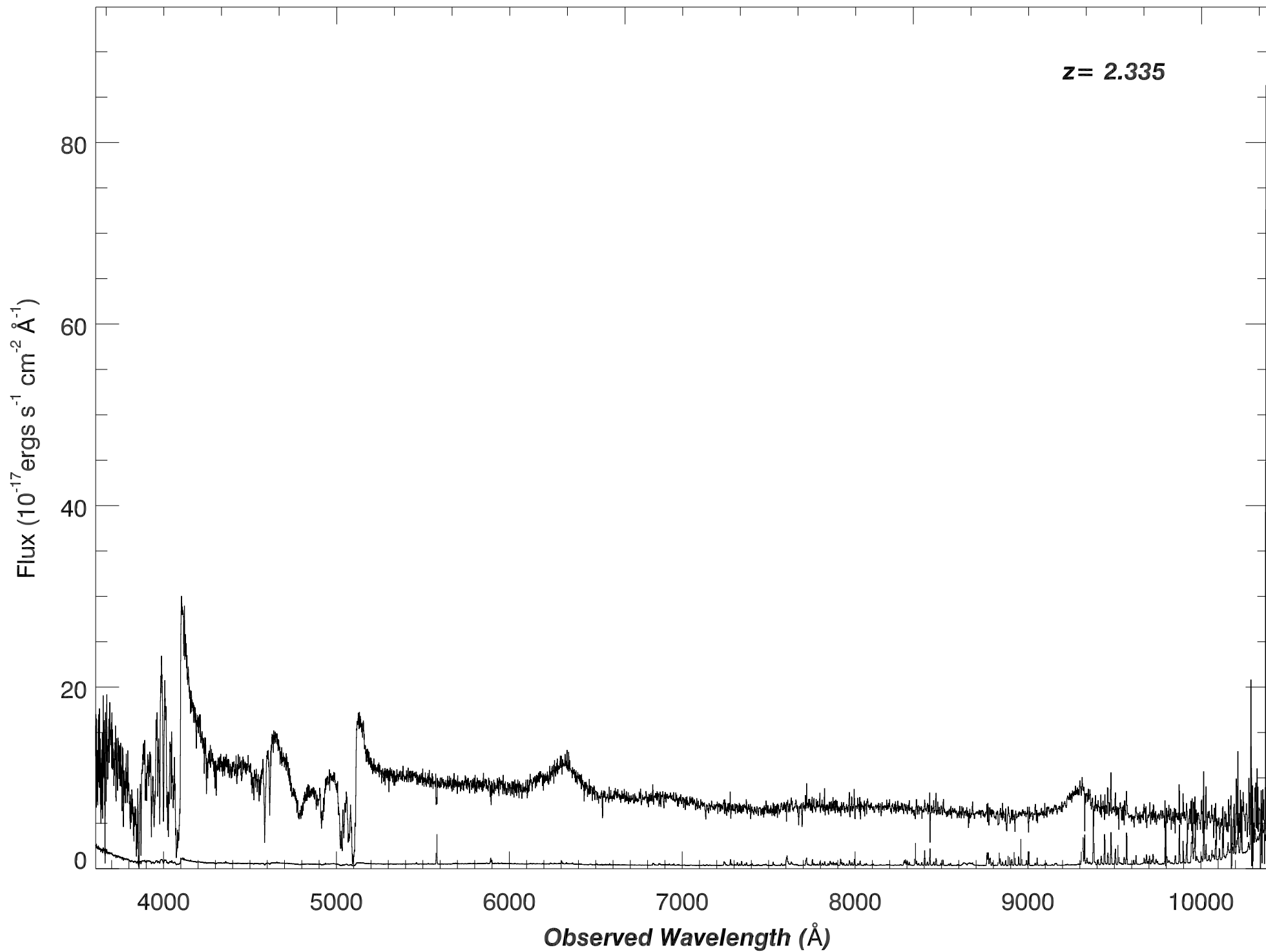
7000

8000

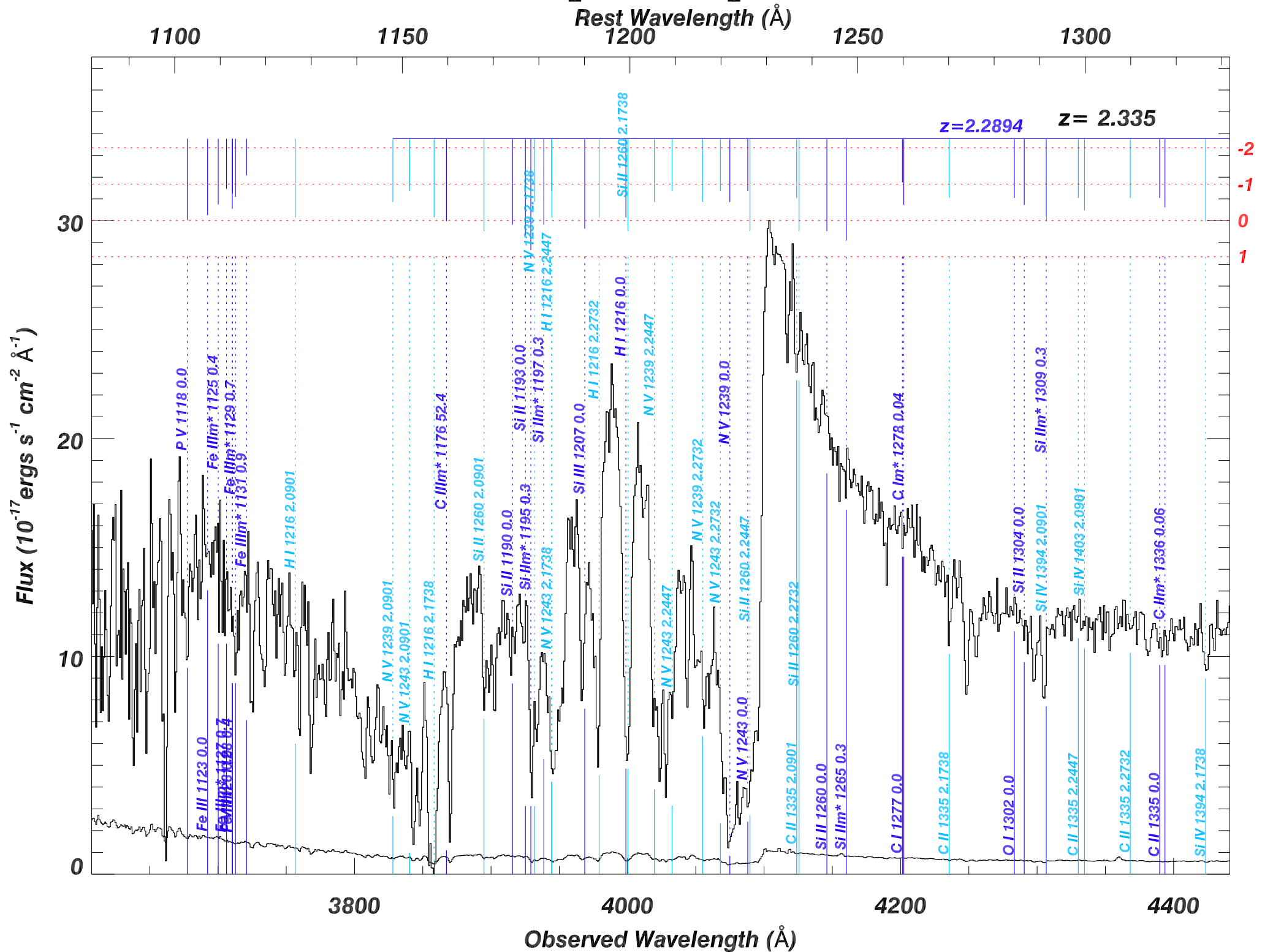
9000

10000

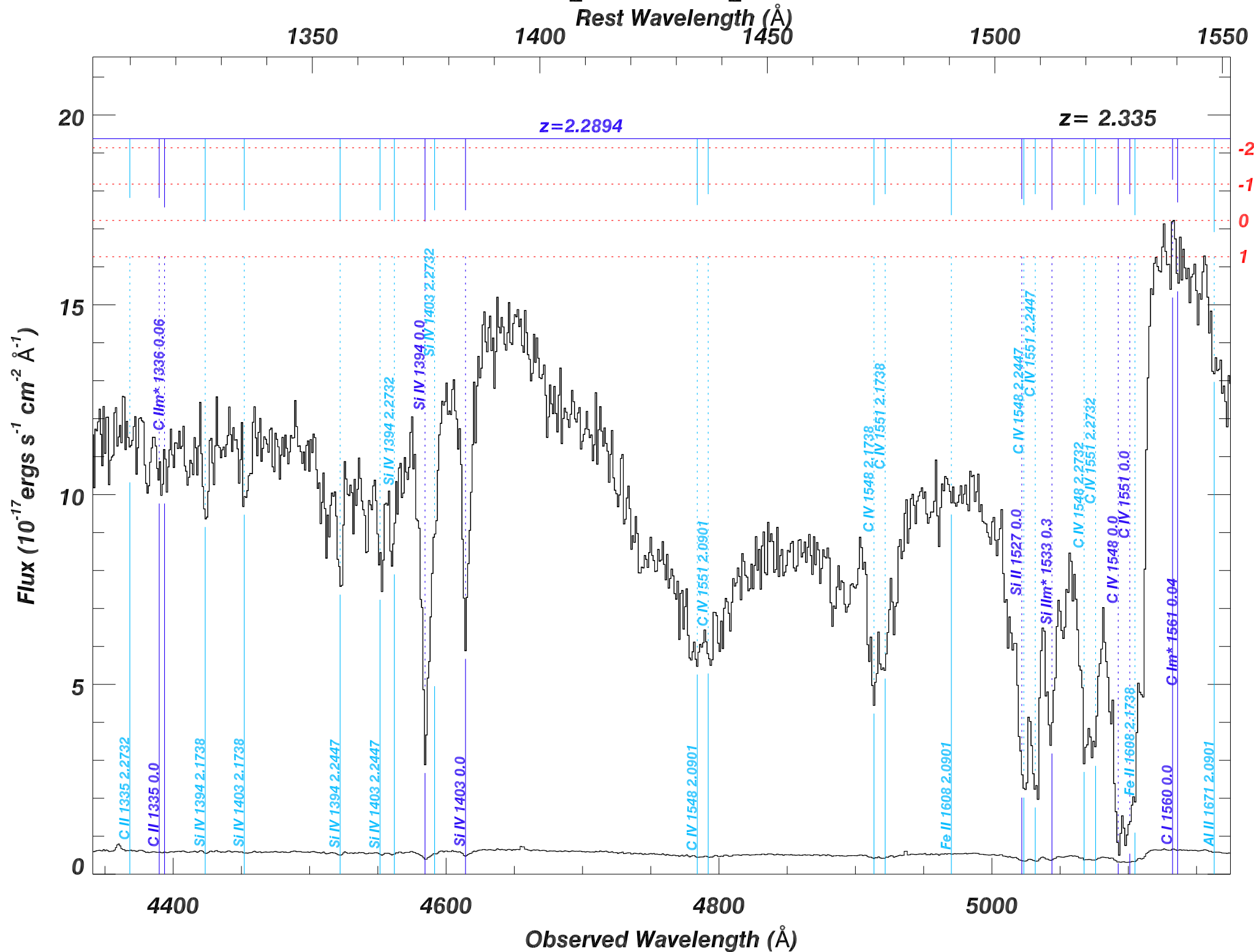
*Observed Wavelength (Å)*



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

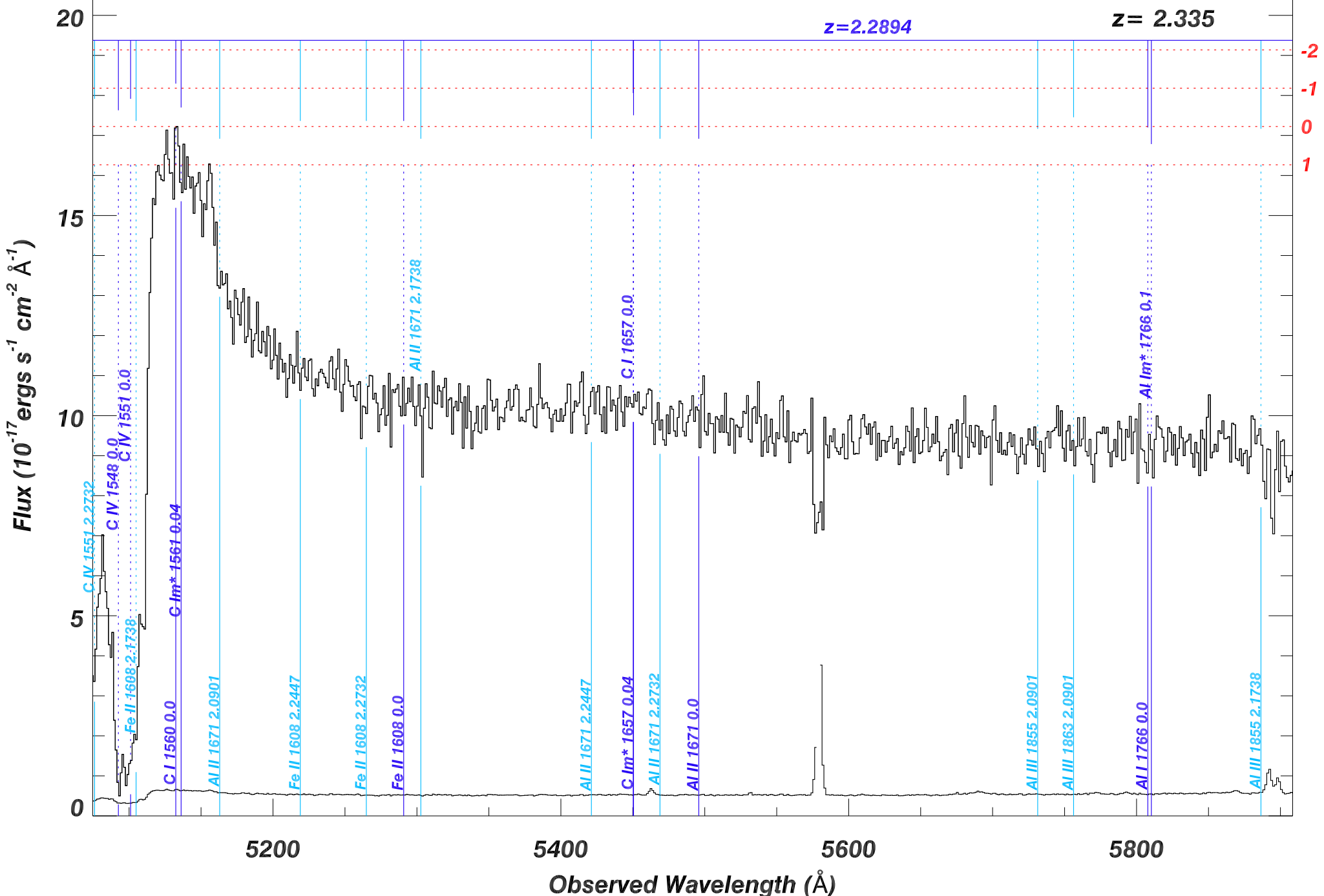
1550

1600

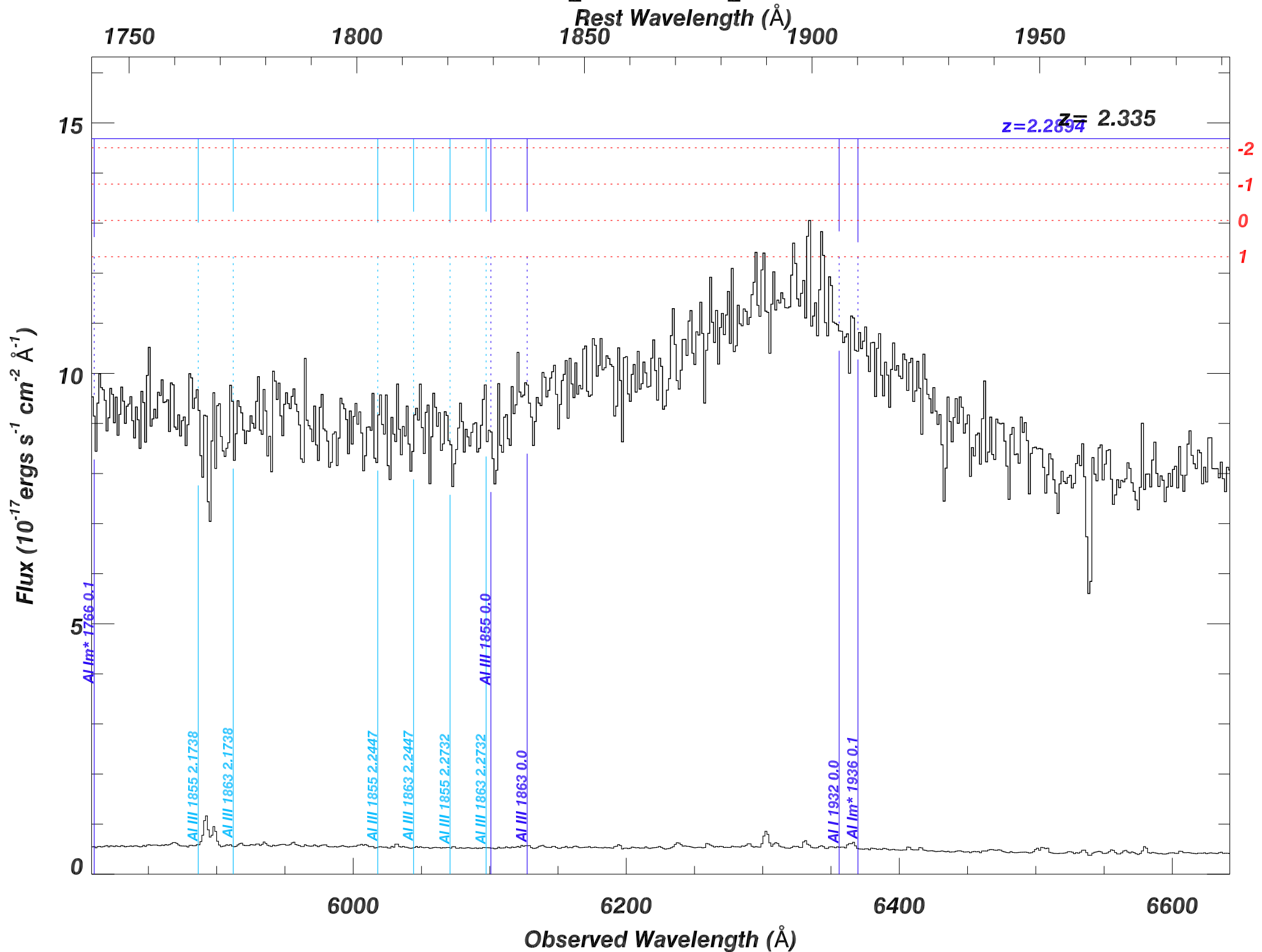
1650

1700

1750



# SDSS\_J1102+0643\_MJD55926



# SDSS\_J1102+0643\_MJD55926

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

2000

2050

2100

2150

2200

$z=2.2894$

$z = 2.335$

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

10

8

6

4

2

0

-2

-1

0

1

Fe II 2344 2.0901

Fe II 2374 2.0901

Fe II 2383 2.0901

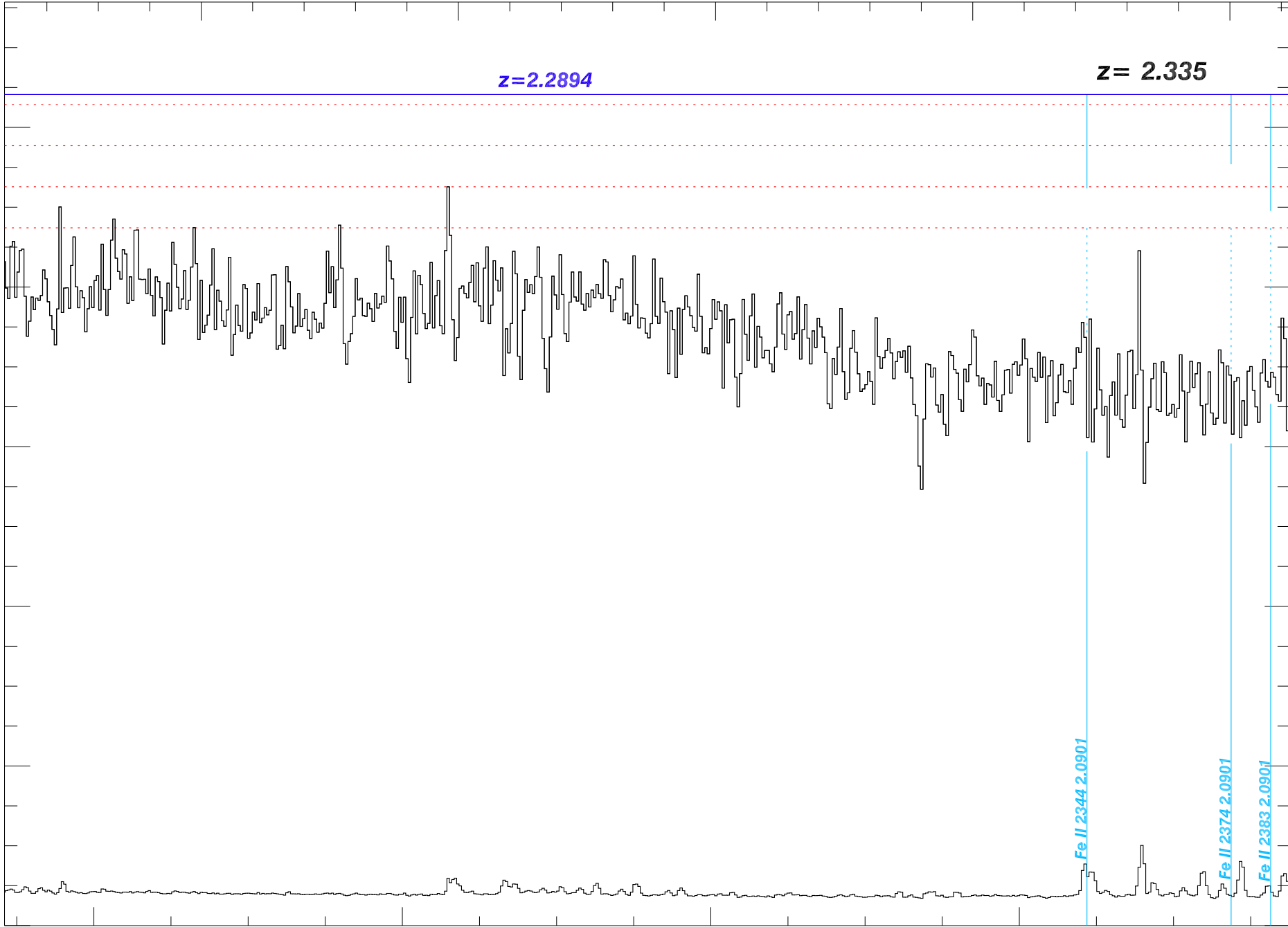
6600

6800

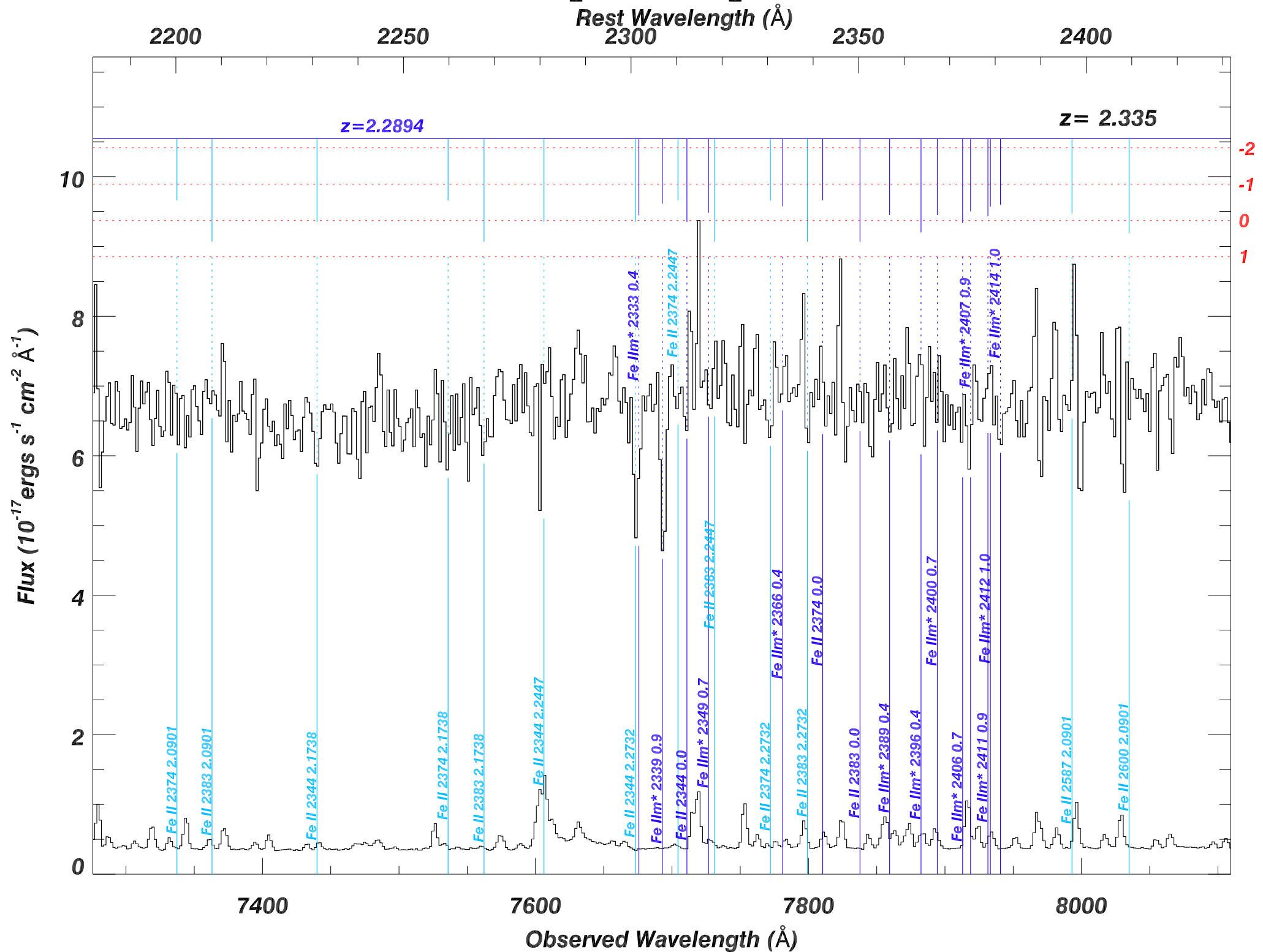
7000

7200

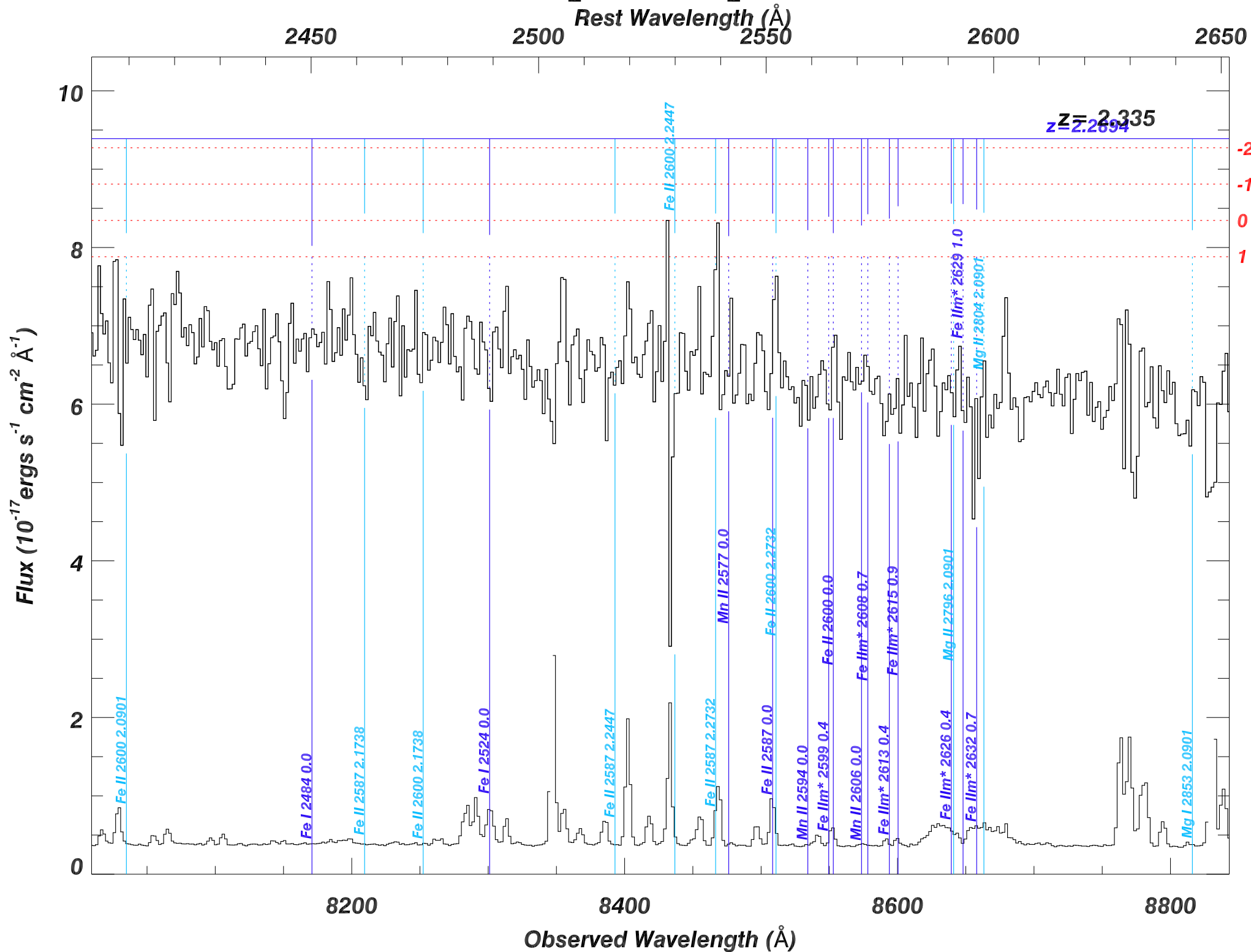
Observed Wavelength ( $\text{\AA}$ )



## SDSS\_J1102+0643\_MJD55926



# SDSS\_J1102+0643\_MJD55926





# SDSS\_J1102+0643\_MJD55926

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

2650

2700

2750

2800

2850

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

12

10

8

6

4

2

0

-2

-1

0

1

$z = 2.335$   
 ~~$z = 2.2894$~~

8800

9000

9200

9400

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

Mg I 2853 2.0901

Mg II 2796 2.1738

Mg II 2804 2.1738

Mg I 2853 2.1738

Mg II 2796 2.2447

Mg II 2804 2.2447

Mg II 2796 2.2732

Mg II 2804 2.2732

Mg II 2796 0.0

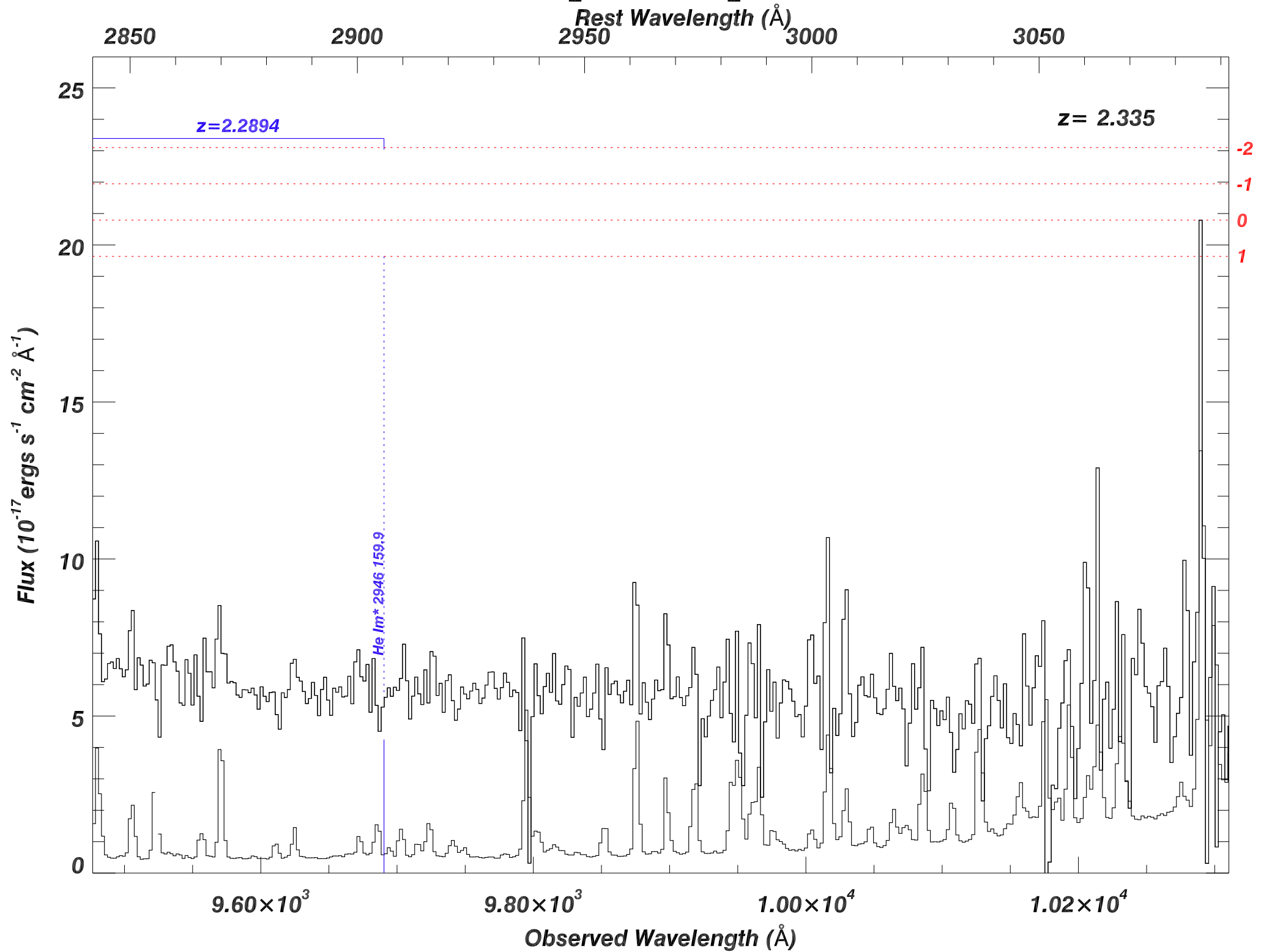
Mg II 2804 0.0

Mg I 2853 2.2447

Mg I 2853 2.2732

Mg I 2853 0.0

# SDSS\_J1102+0643\_MJD55926



**SDSS\_J1102+0643\_MJD55926**

*Rest Wavelength (Å)*

**3100**

**3200**

**3300**

**3400**

**100**

**z = 2.335**

**-2**

**-1**

**0**

**1**

**80**

**60**

**40**

**20**

**0**

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

**$1.04 \times 10^4$**

**$1.06 \times 10^4$**

**$1.08 \times 10^4$**

**$1.10 \times 10^4$**

**$1.12 \times 10^4$**

**$1.14 \times 10^4$**

***Observed Wavelength (Å)***

