

**SDSS\_J0856+2843\_MJD56341**

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

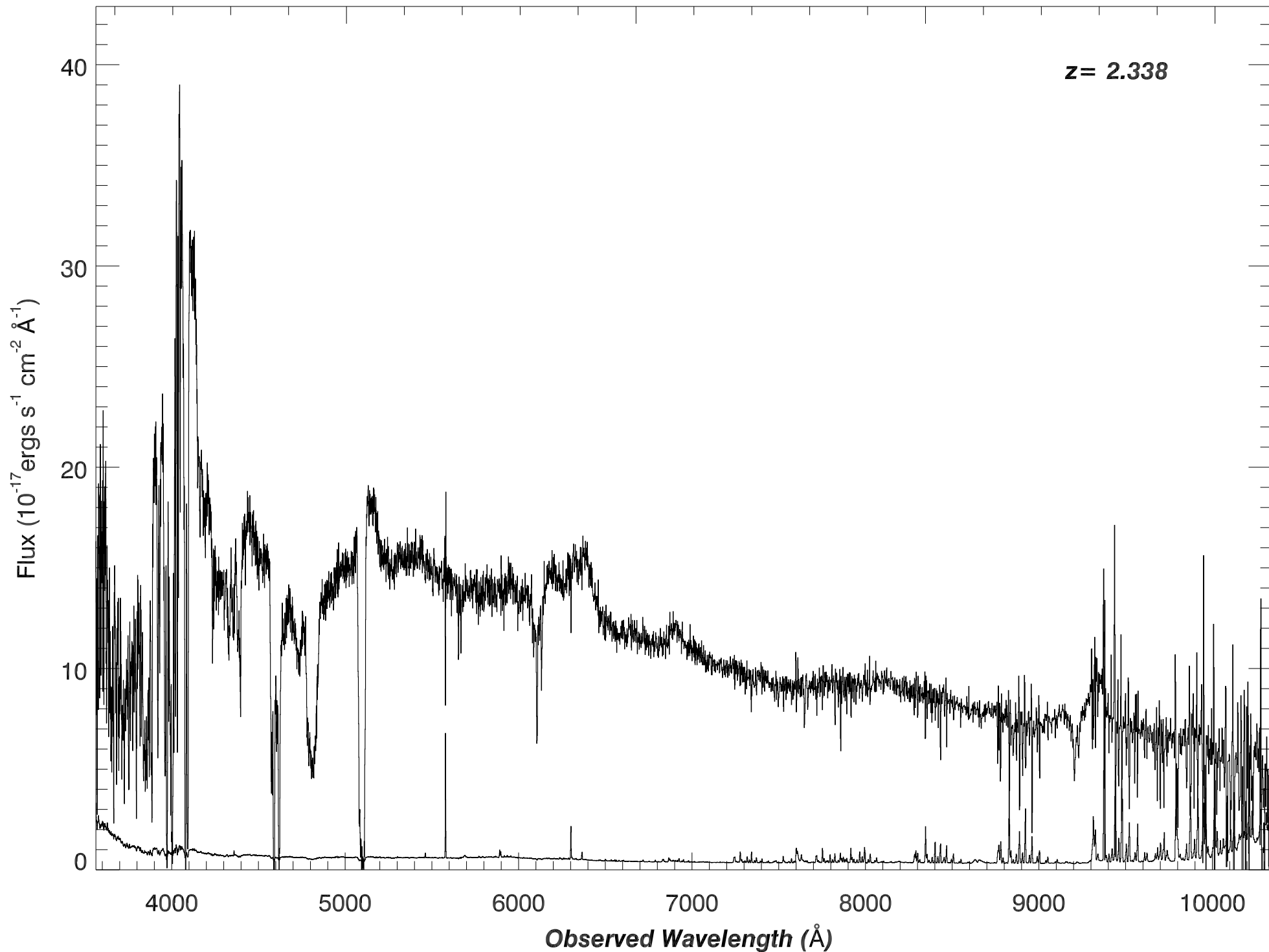
**1500**

**2000**

**2500**

**3000**

**$z = 2.338$**

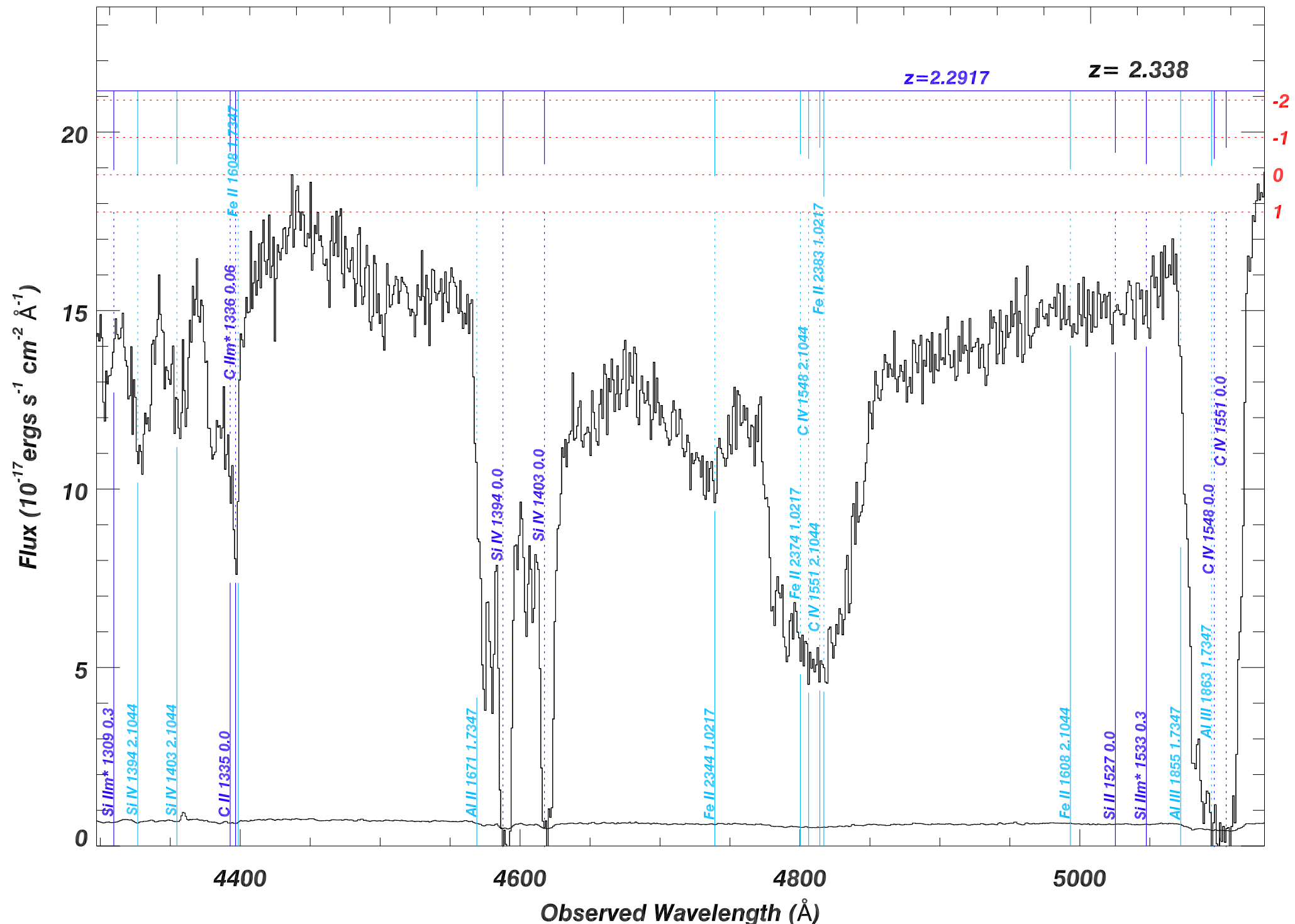




# SDSS\_J0856+2843\_MJD56341

Rest Wavelength (Å)

1300 1350 1400 1450 1500



## SDSS\_J0856+2843\_MJD56341

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

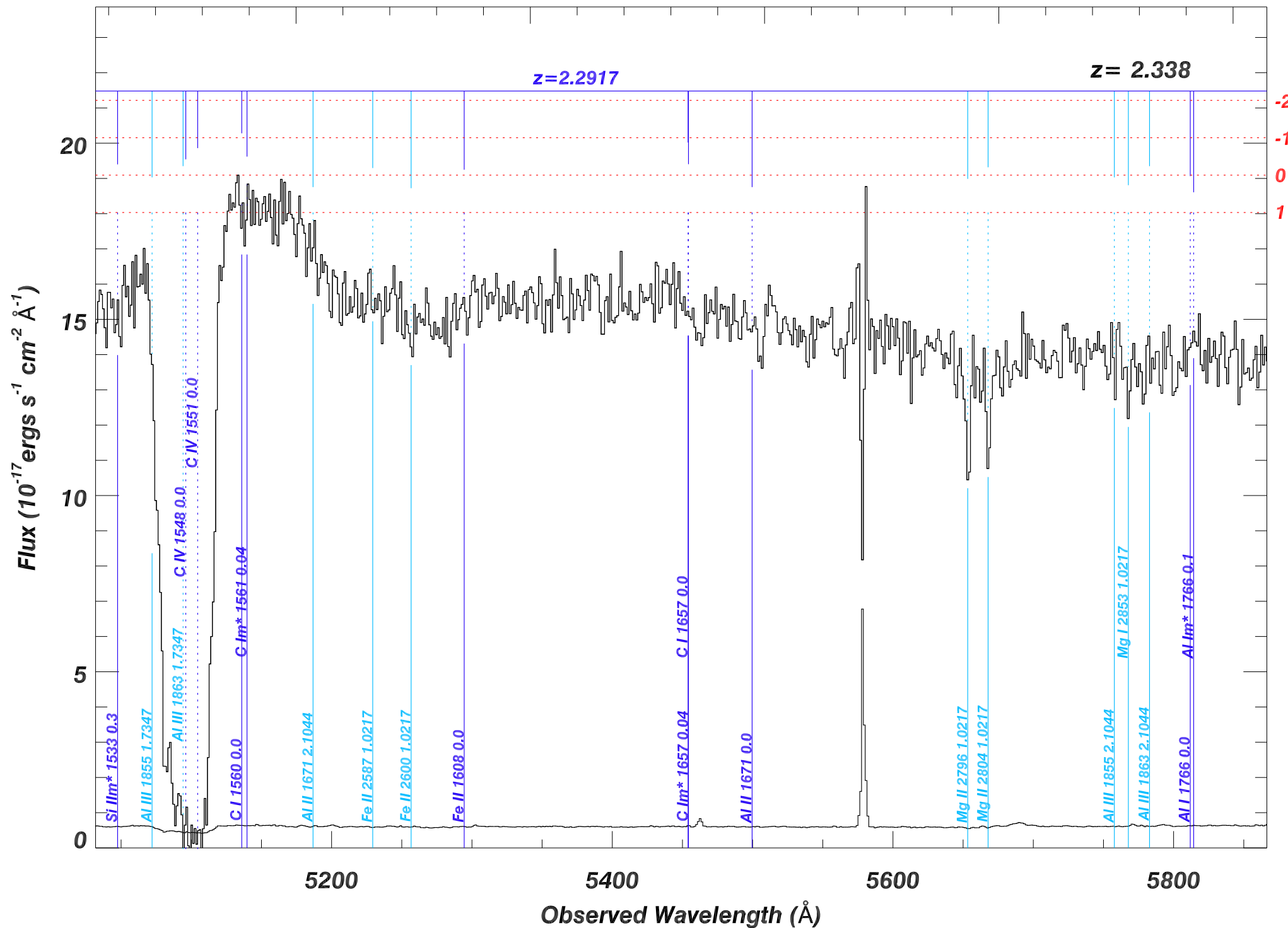
1550

1600

1650

1700

1750



# SDSS\_J0856+2843\_MJD56341

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

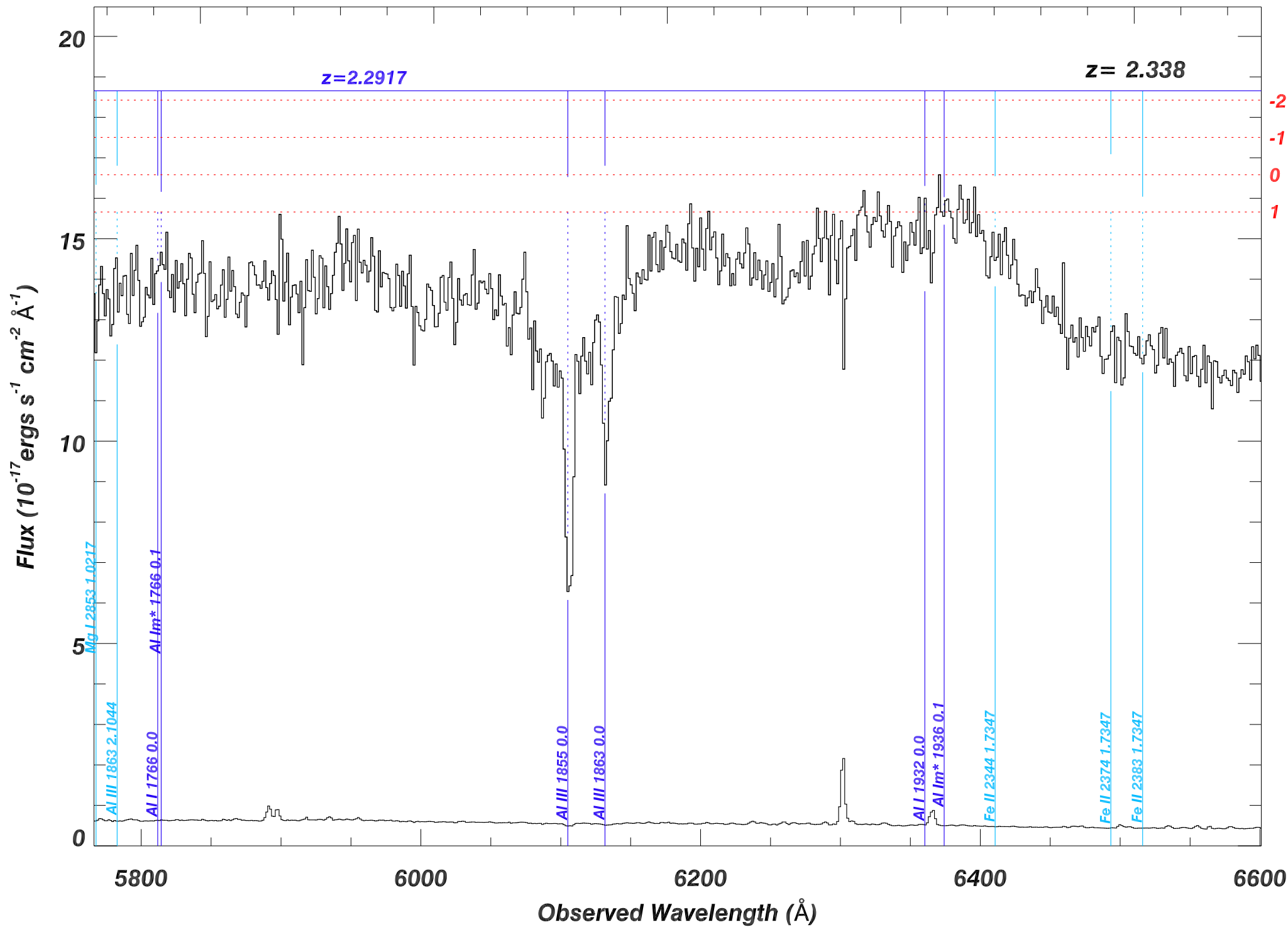
1750

1800

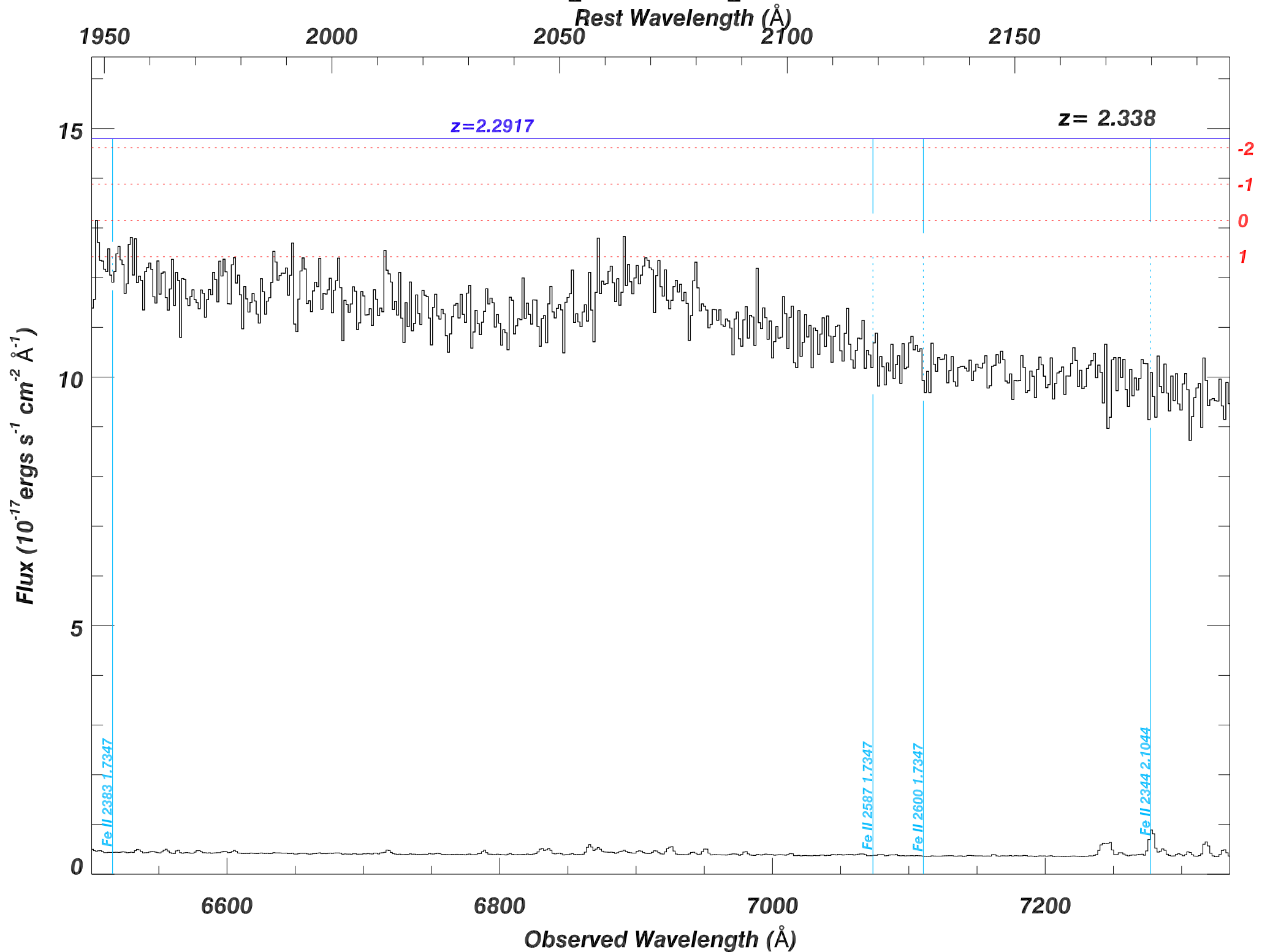
1850

1900

1950



# SDSS\_J0856+2843\_MJD56341



# SDSS\_J0856+2843\_MJD56341

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

2200

2250

2300

2350

2400

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

12  
10  
8  
6  
4  
2  
0

-2  
-1  
0  
1

$z=2.2917$

$z=2.338$

Fe II 2344 2.1044

Fe II 2374 2.1044

Fe II 2383 2.1044

Mg II 2796 1.7347

Mg II 2804 1.7347

Fe III\* 2333 0.4

Fe III\* 2339 0.9

Fe II 2344 0.0

Fe III\* 2349 0.7

Fe III\* 2366 0.4

Mg I 2853 1.7347

Fe II 2374 0.0

Fe II 2383 0.0

Fe III\* 2389 0.4

Fe III\* 2396 0.4

Fe III\* 2400 0.7

Fe III\* 2406 0.7

Fe III\* 2411 0.9

Fe III\* 2412 1.0

Ca II 3935 1.0217

Fe III\* 2414 1.0

Fe II 2567 2.1044

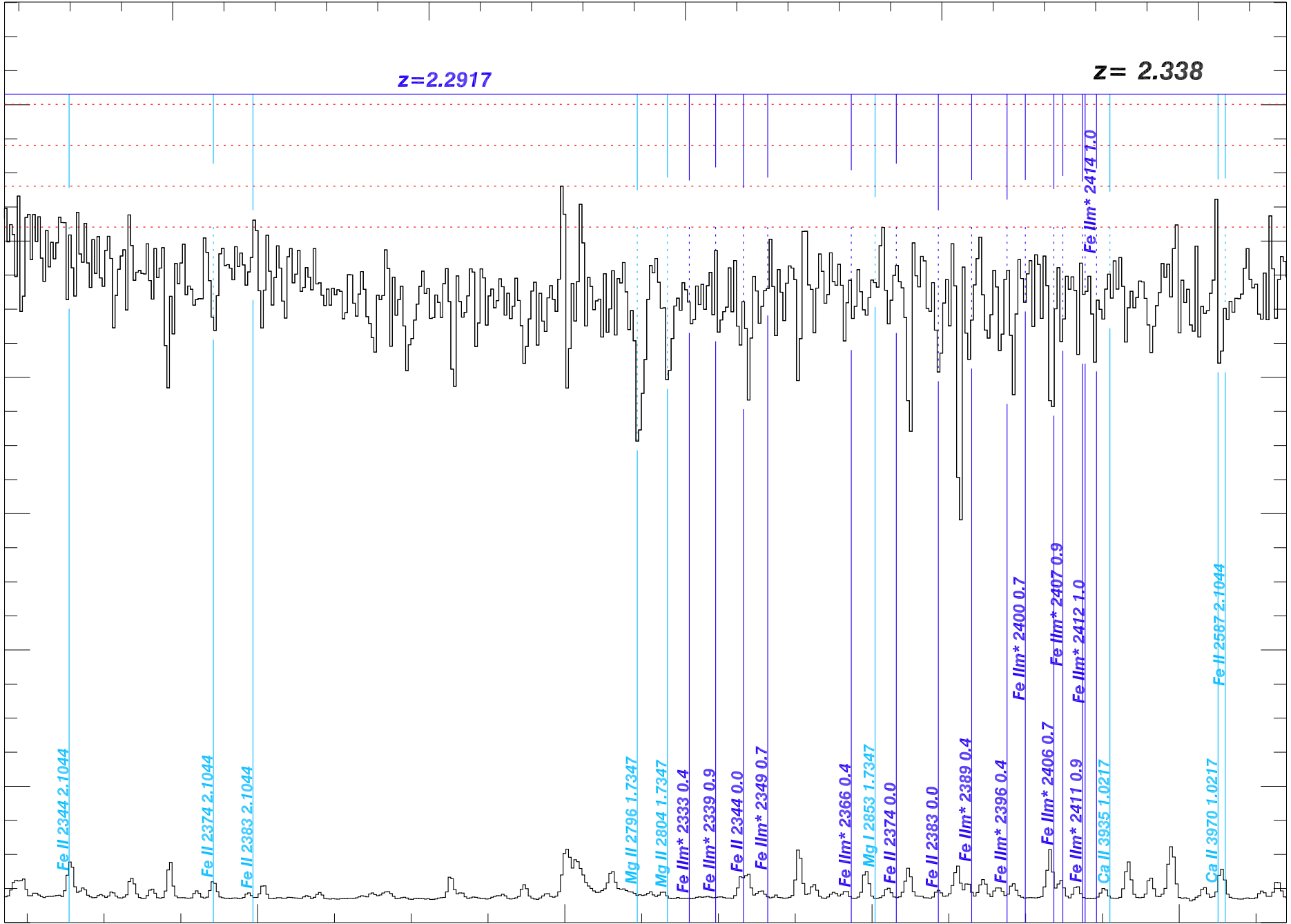
7400

7600

7800

8000

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



# SDSS\_J0856+2843\_MJD56341

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

2400

2450

2500

2550

2600

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

12  
10  
8  
6  
4  
2  
0

$z=2.2917$

$z=2.338$

-2  
-1  
0  
1

Ca II 3970 1.0217

Fe II 2587 2.1044

Fe II 2600 2.1044

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 IIIm\* 2599 0.4

Fe II 2600 0.0

Mn II 2606 0.0

Fe IIIm\* 2608 0.7

Fe IIIm\* 2613 0.4

Fe IIIm\* 2615 0.9

Fe IIIm\* 2626 0.4

Fe IIIm\* 2629 1.0

Fe IIIm\* 2632 0.7

Mg II 2796 2.1044

Mg II 2804 2.1044

8000

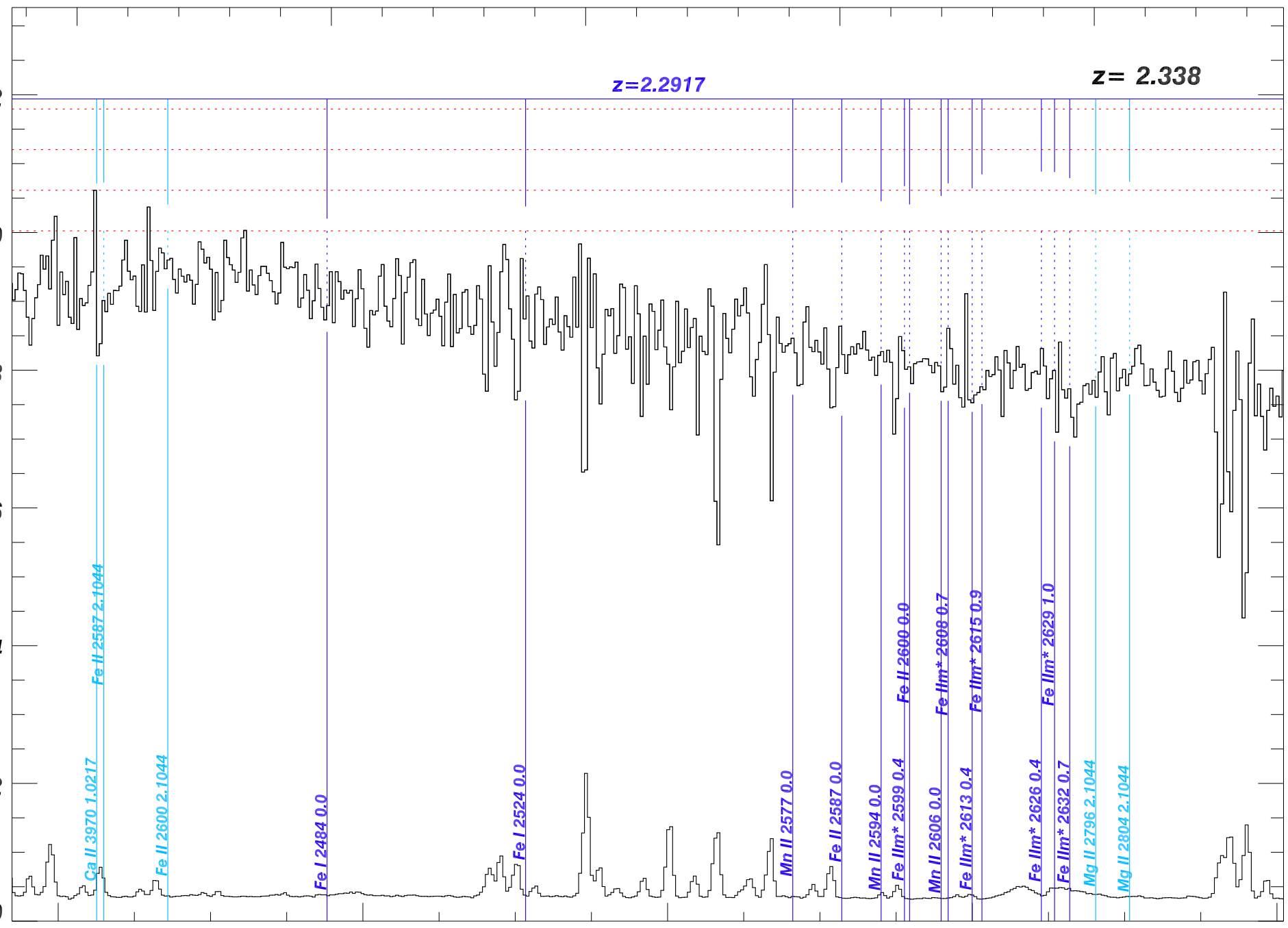
8200

8400

8600

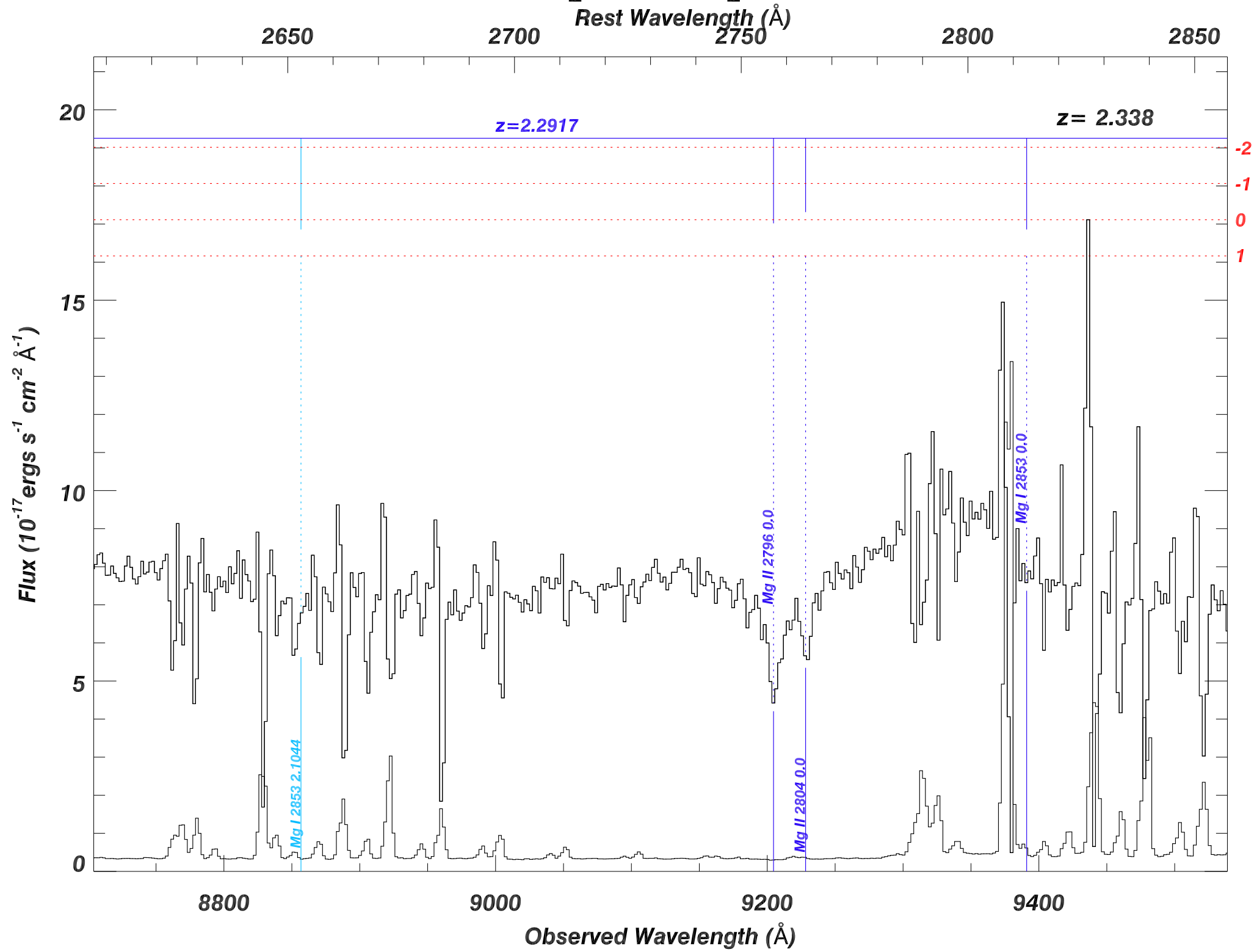
8800

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





# SDSS\_J0856+2843\_MJD56341



# SDSS\_J0856+2843\_MJD56341

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

2850

2900

2950

3000

3050

$z=2.2917$

$z= 2.338$

-2

-1

0

1

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

15

10

5

0

He I m\* 2946 159.9

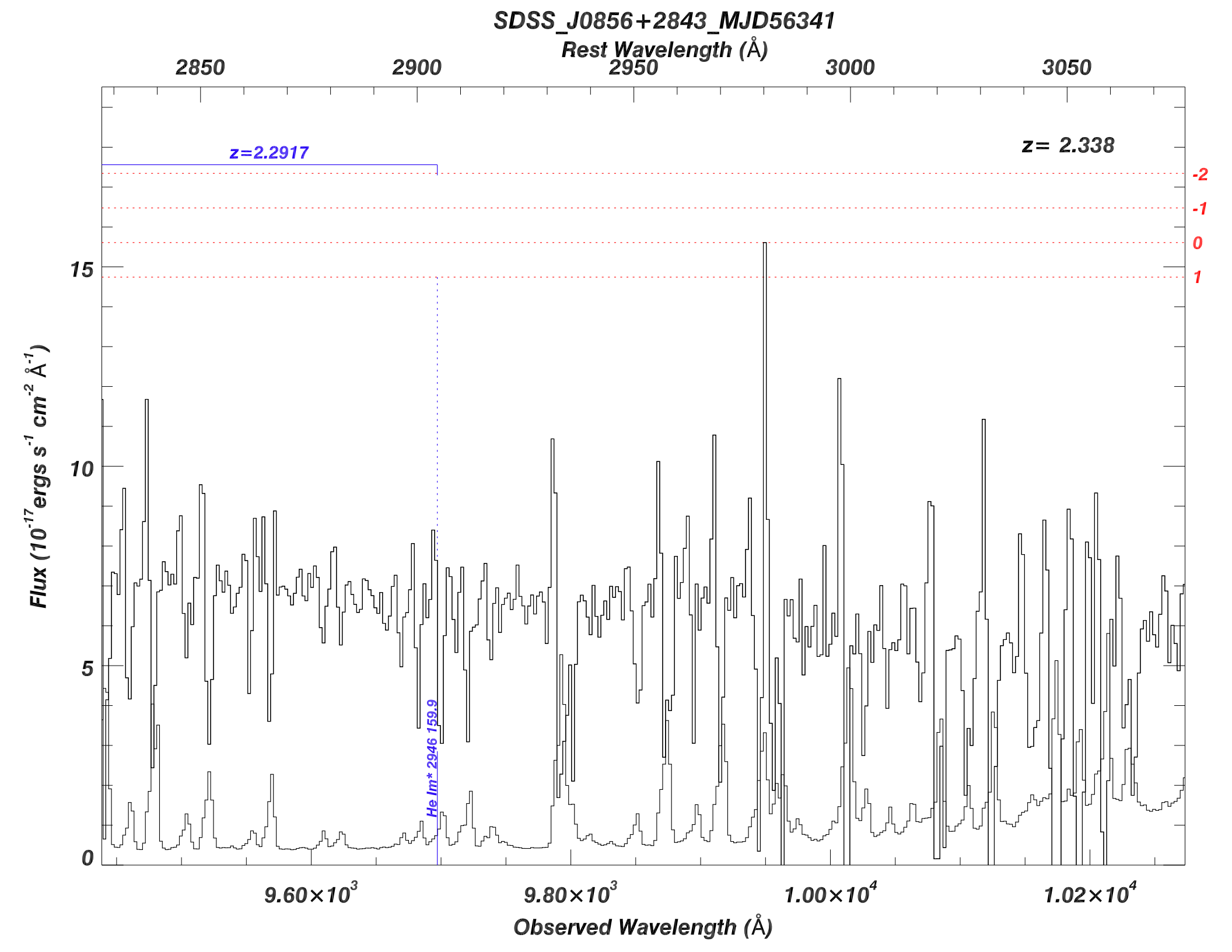
$9.60 \times 10^3$

$9.80 \times 10^3$

$1.00 \times 10^4$

$1.02 \times 10^4$

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



**SDSS\_J0856+2843\_MJD56341**

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

**3100**

**3200**

**3300**

**3400**

**z = 2.338**

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

**15**

**10**

**5**

**0**

**$1.02 \times 10^4$**

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

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

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

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

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

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

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

**-2**

**-1**

**0**

**1**