

**SDSS\_J0843+4452\_MJD57061**

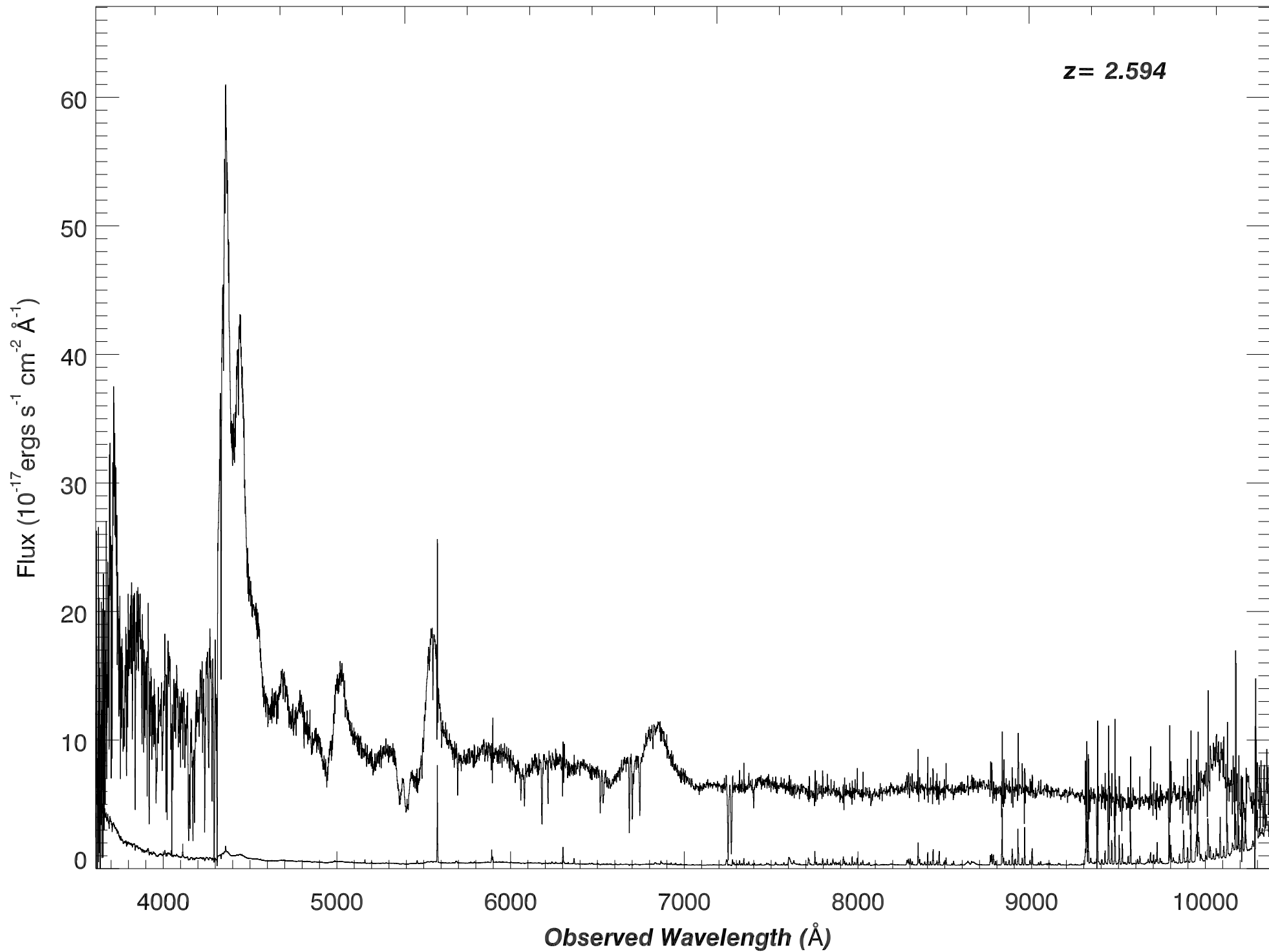
**Rest Wavelength ( $\text{\AA}$ )**

**1500**

**2000**

**2500**

**$z = 2.594$**





# SDSS\_J0843+4452\_MJD57061

Rest Wavelength (Å)

1250

1300

1350

1400

1450

50

$z=2.4864$

$z=2.594$

-2

-1

0

1

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

40

30

20

10

0

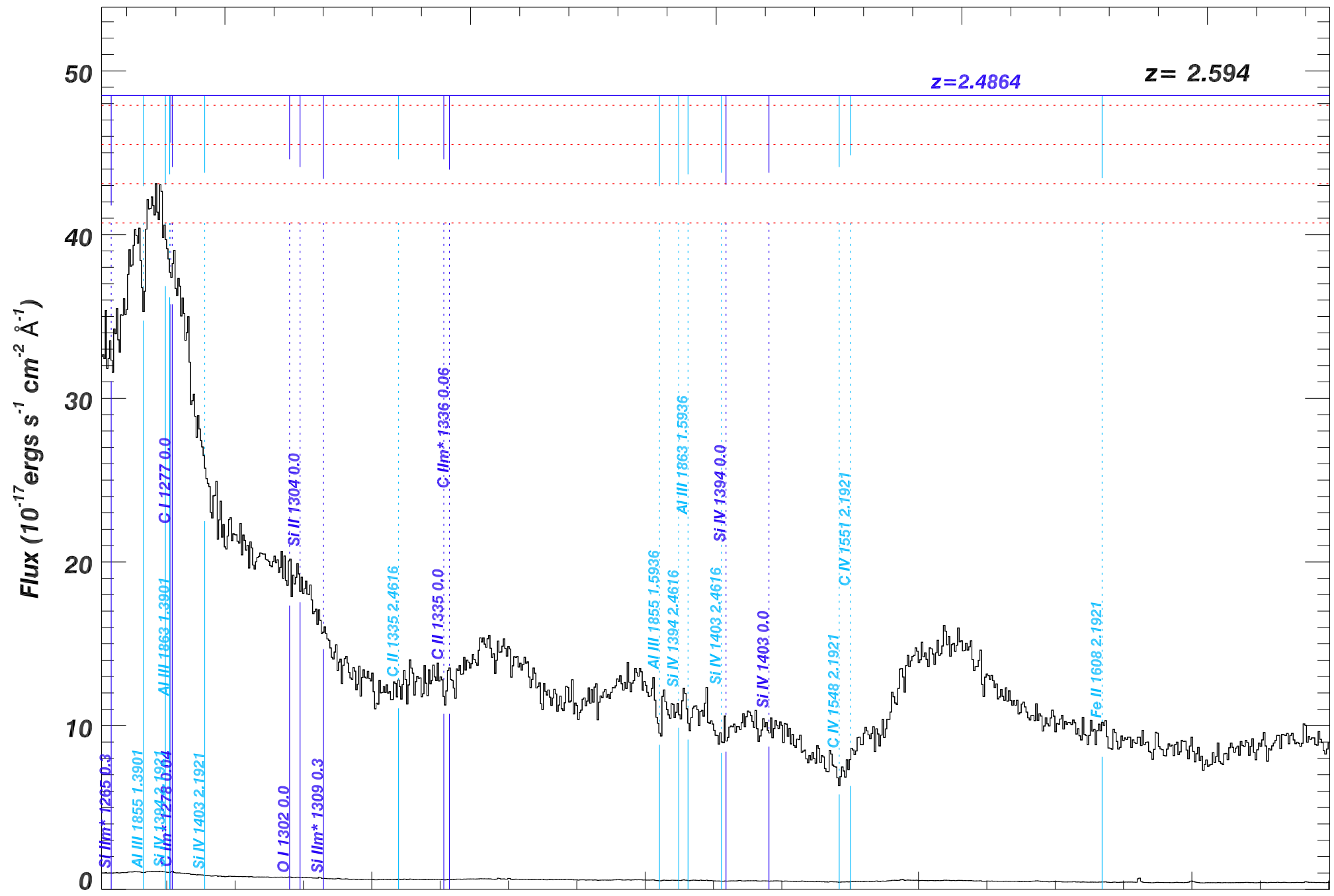
4600

4800

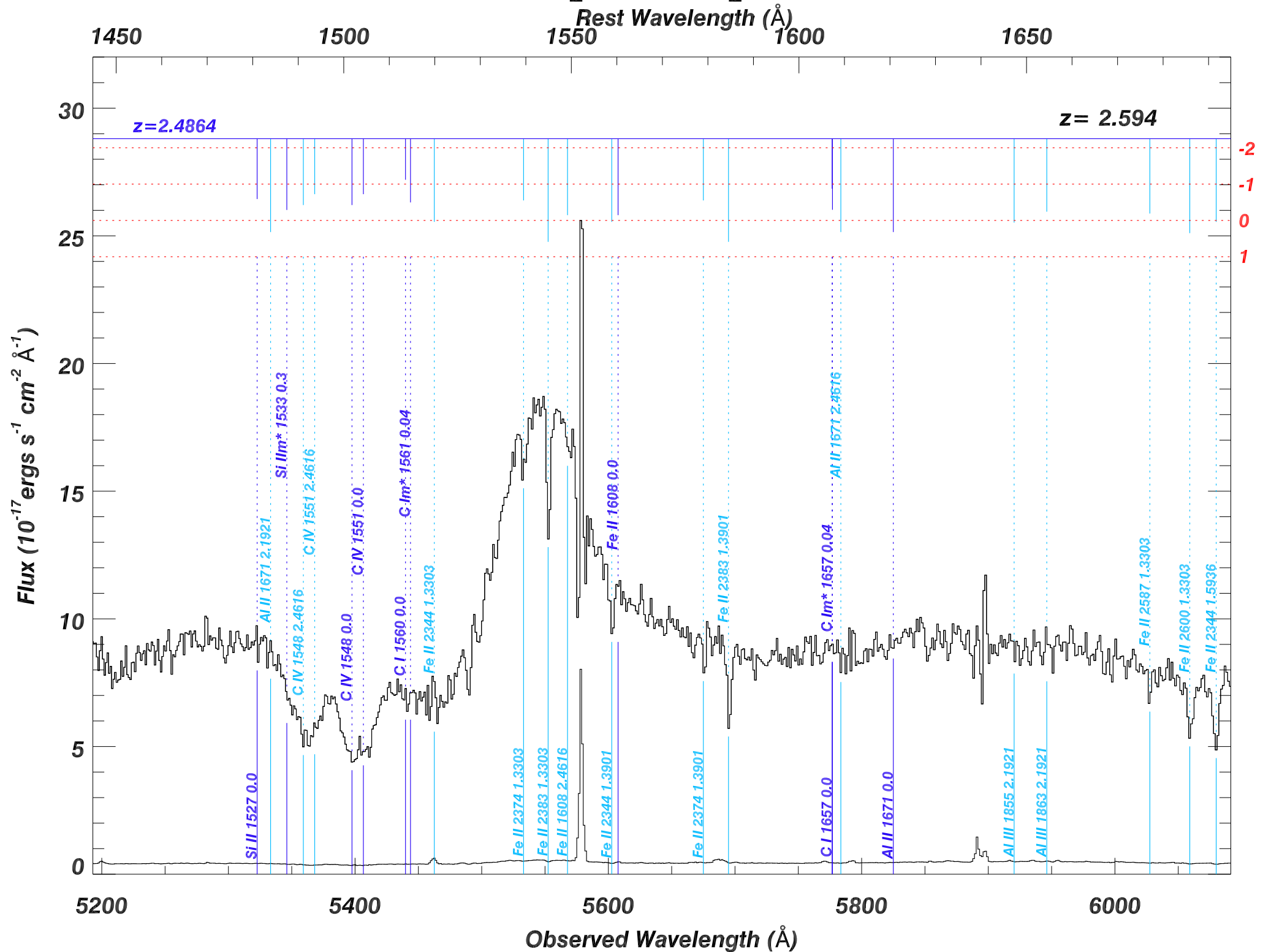
5000

5200

Observed Wavelength (Å)



## SDSS\_J0843+4452\_MJD57061



# SDSS\_J0843+4452\_MJD57061

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

1700

1750

1800

1850

1900

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

$z=2.4864$

$z= 2.594$

Fe II 2587 1.3303

Fe II 2600 1.3303

Fe II 2344 1.5936

Al III 1863 0.0

Fe II 2383 1.5936

Fe II 2600 1.3901

Al III 1855 2.4616

Al III 1863 2.4616

Al III 1855 0.0

Al III 1863 0.0

Mg II 2796 1.3303

Mg II 2804 1.3303

Mg I 2853 1.3303

Mg II 2796 1.3901

Fe II 2587 1.5936

Fe II 2600 1.5936

Al I 1932 0.0

Al Im\* 1936 0.1

Mg I 2853 1.3901

6000

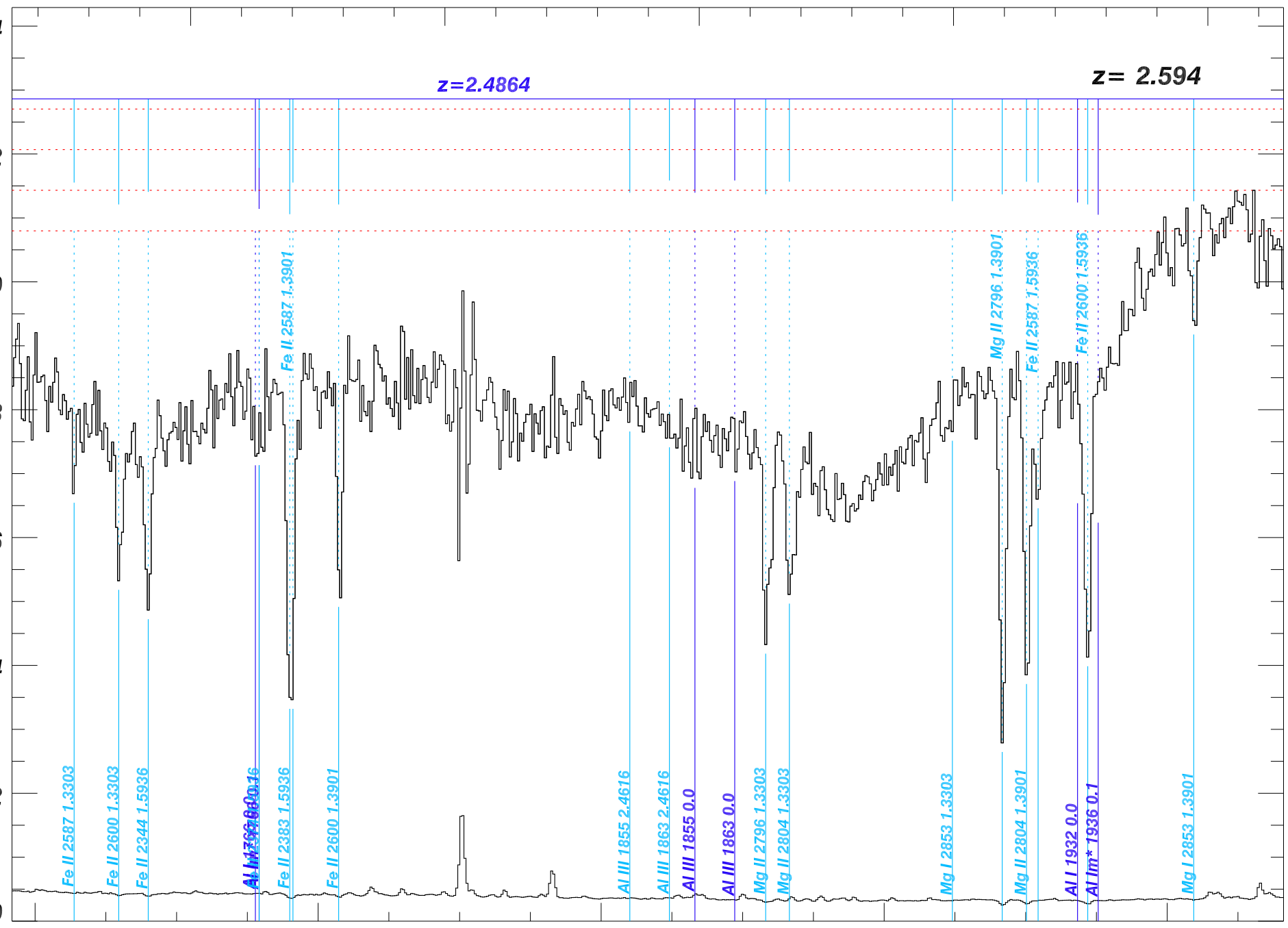
6200

6400

6600

6800

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



# SDSS\_J0843+4452\_MJD57061

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

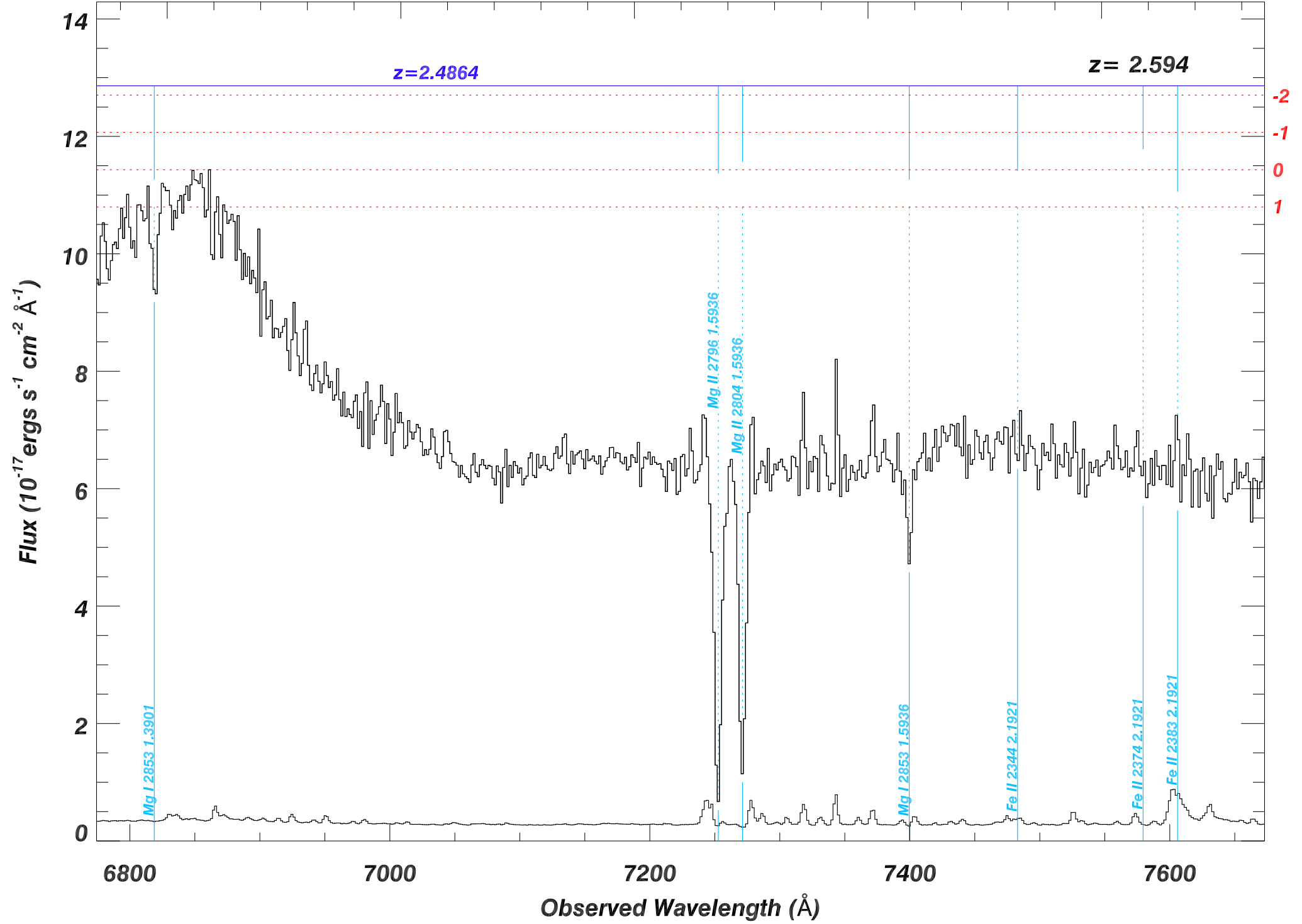
1900

1950

2000

2050

2100



# SDSS\_J0843+4452\_MJD57061

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

2150

2200

2250

2300

2350

$z=2.4864$

$z=2.594$

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

10

8

6

4

2

0

-2

-1

0

1

7600

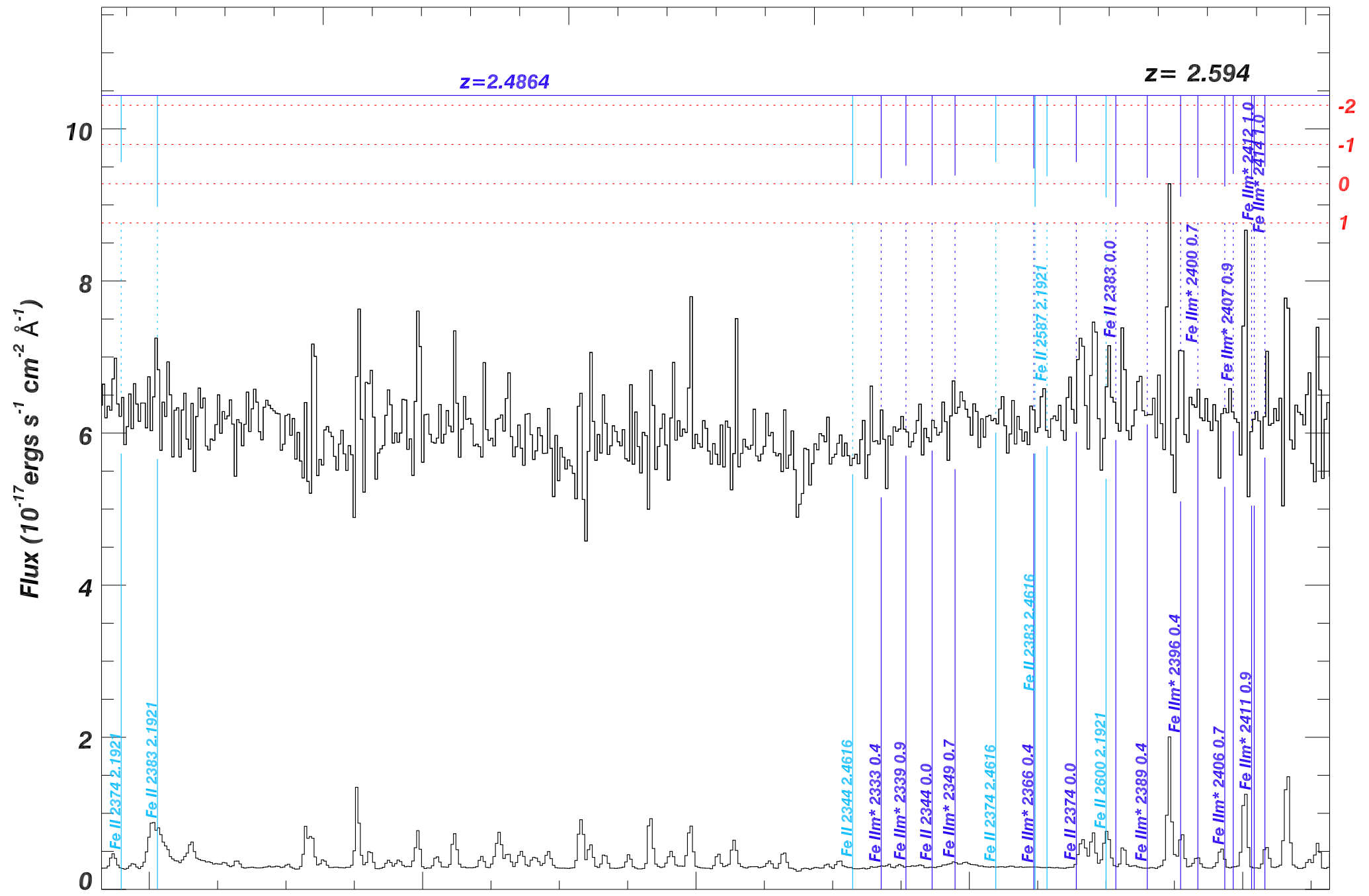
7800

8000

8200

8400

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



# SDSS\_J0843+4452\_MJD57061

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

2350

2400

2450

2500

2550

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

12  
10  
8  
6  
4  
2  
0

-2  
-1  
0  
1

$z=2.4864$

$z=2.594$

8400

8600

8800

9000

9200

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

Fe II m\* 2406 0.7  
Fe II m\* 2407 0.9  
Fe II m\* 2411 0.9  
Fe II m\* 2412 1.0  
Fe II m\* 2414 1.0

Fe I 2484 0.0

Fe I 2524 0.0

Mg II 2796 2.1921

Fe II 2587 2.4616

Mg II 2804 2.1921

Mn II 2577 0.0  
Fe II 2600 2.4616  
Fe II 2587 0.0

Fe II 2600 0.0  
Fe II m\* 2608 0.7  
Fe II m\* 2613 0.4  
Fe II m\* 2615 0.9

Mn II 2594 0.0  
Fe II m\* 2599 0.4  
Mn II 2606 0.0  
Mg I 2853 2.1921

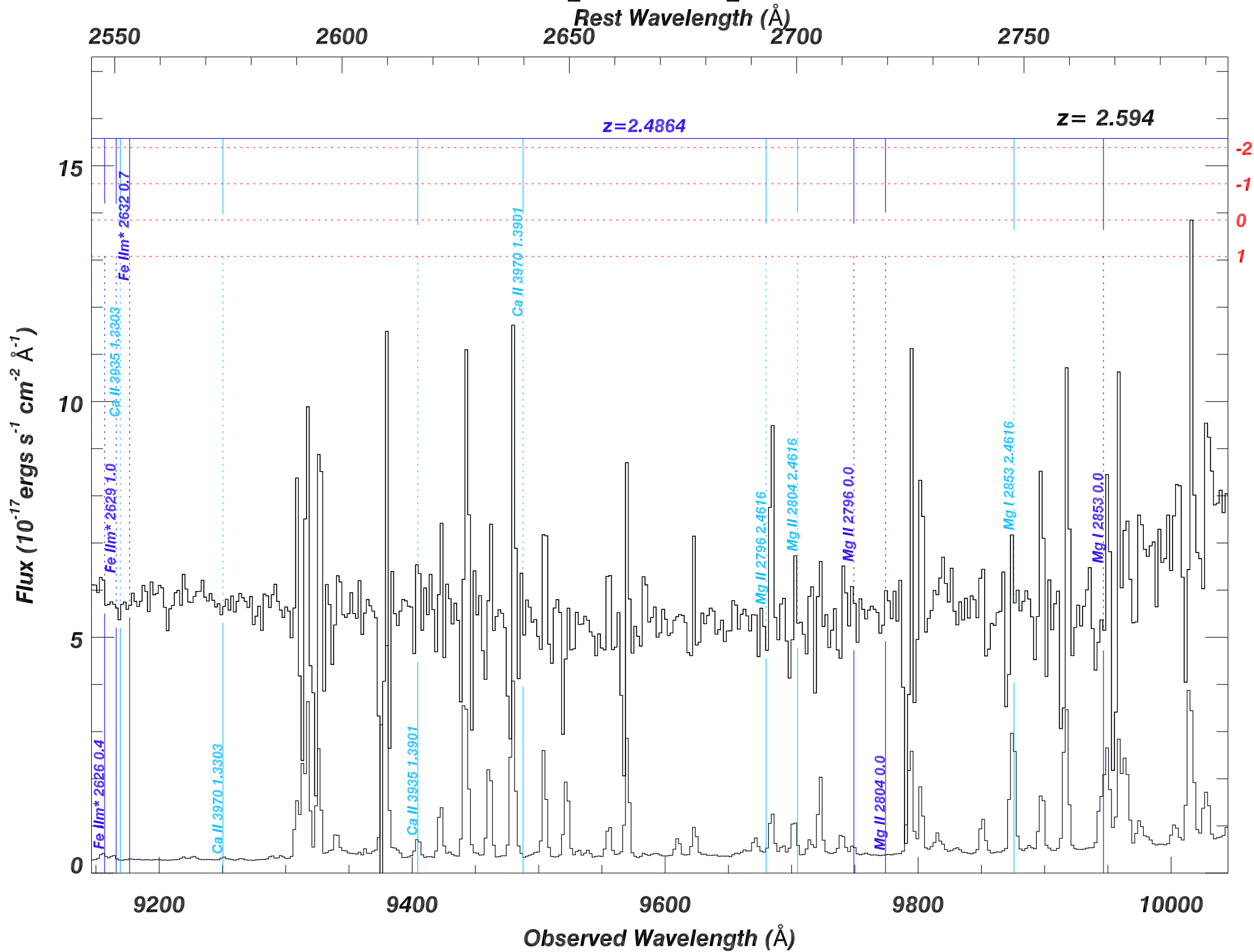
Ca II 3936 1.3303  
Fe II m\* 2629 1.0  
Fe II m\* 2630 0.7

Fe II m\* 2626 0.4

Ca II 3970 1.3303



# SDSS\_J0843+4452\_MJD57061



# SDSS\_J0843+4452\_MJD57061

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

2800

2850

2900

2950

3000

