

**SDSS\_J1440+0605\_MJD55684**

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

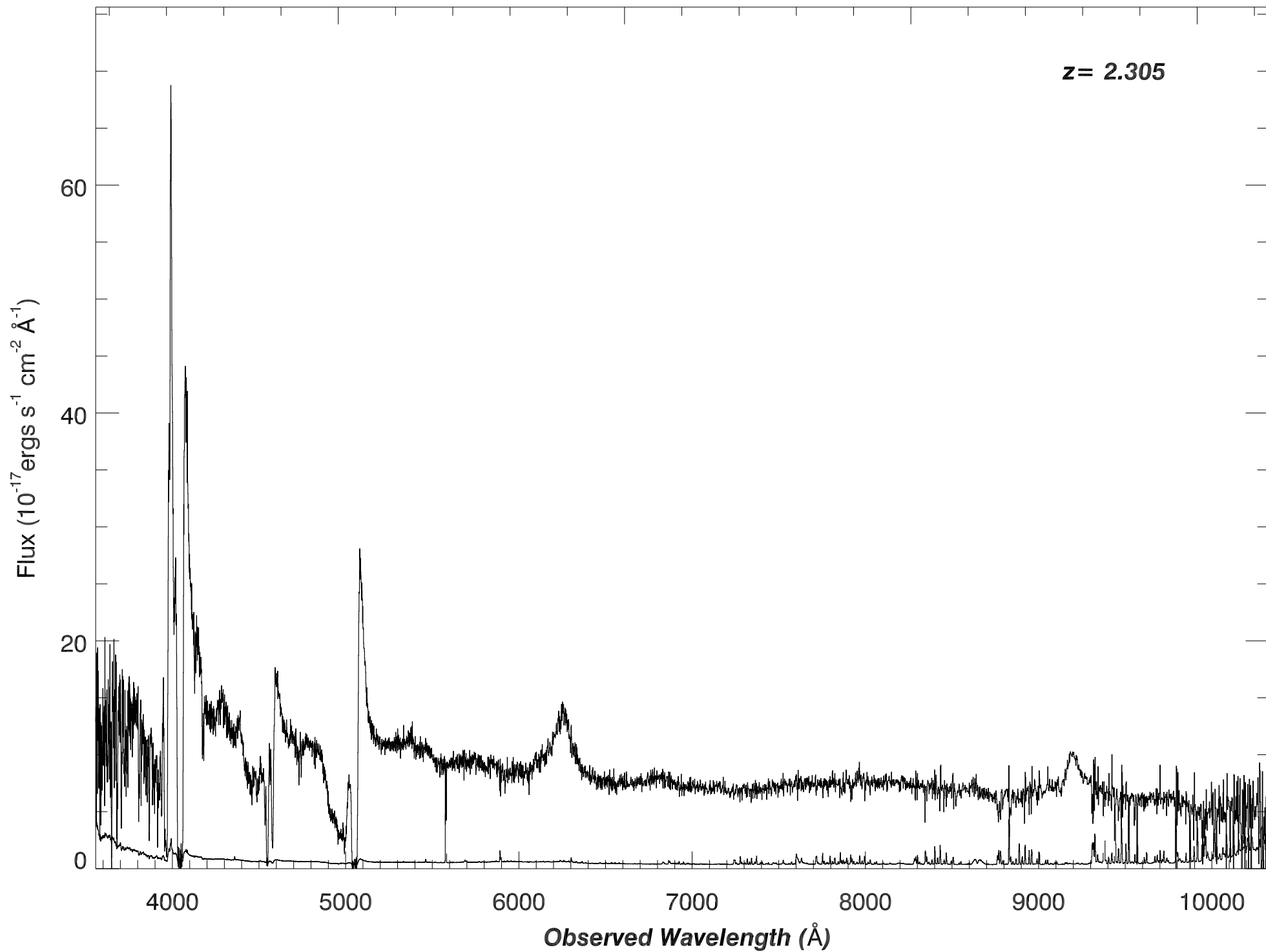
**1500**

**2000**

**2500**

**3000**

**$z = 2.305$**



# SDSS\_J1440+0605\_MJD55684

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

1100

1150

1200

1250

1300

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

80

60

40

20

0

$z=2.2645$

$z=2.305$

-2

-1

0

1

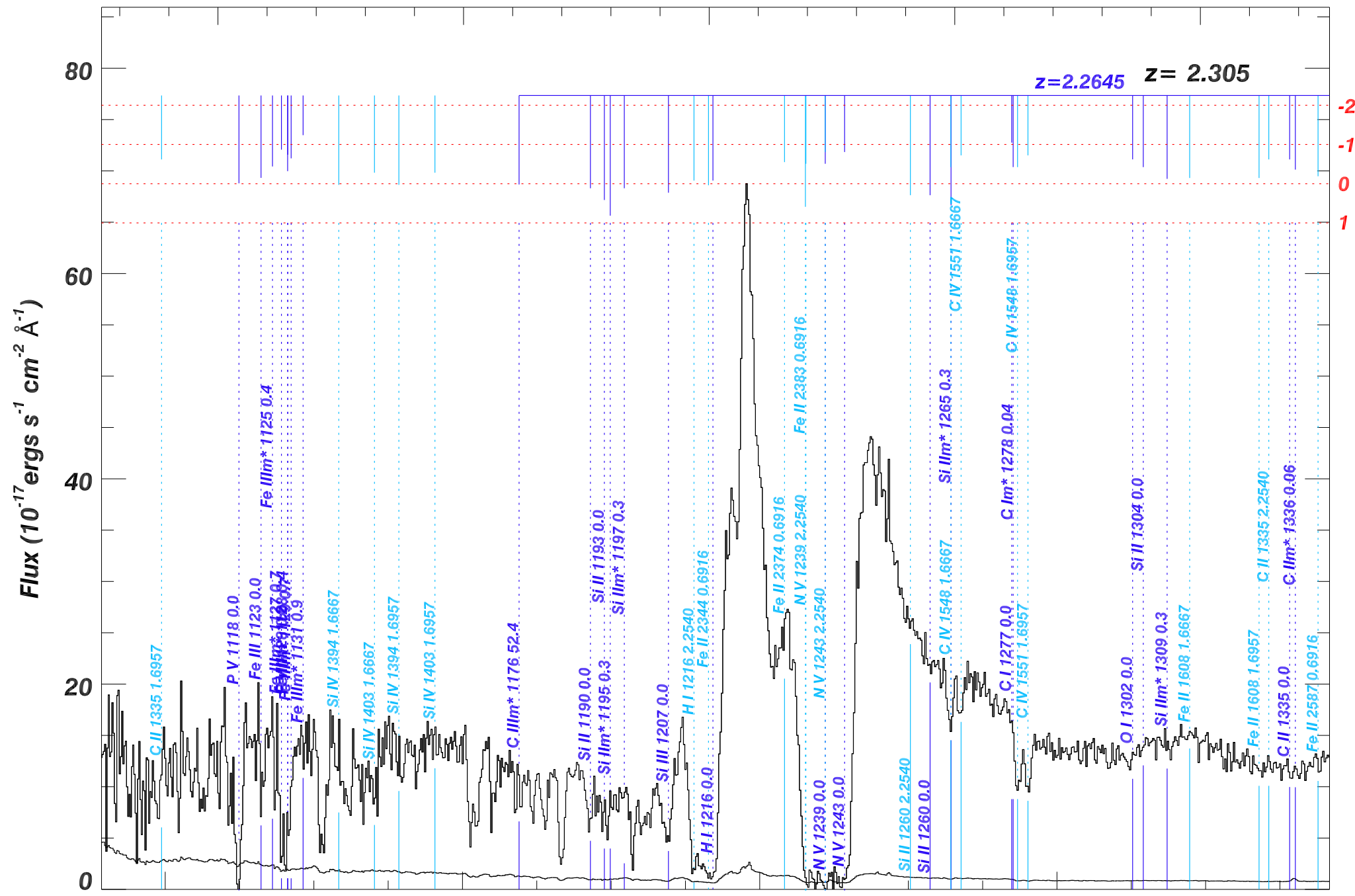
3600

3800

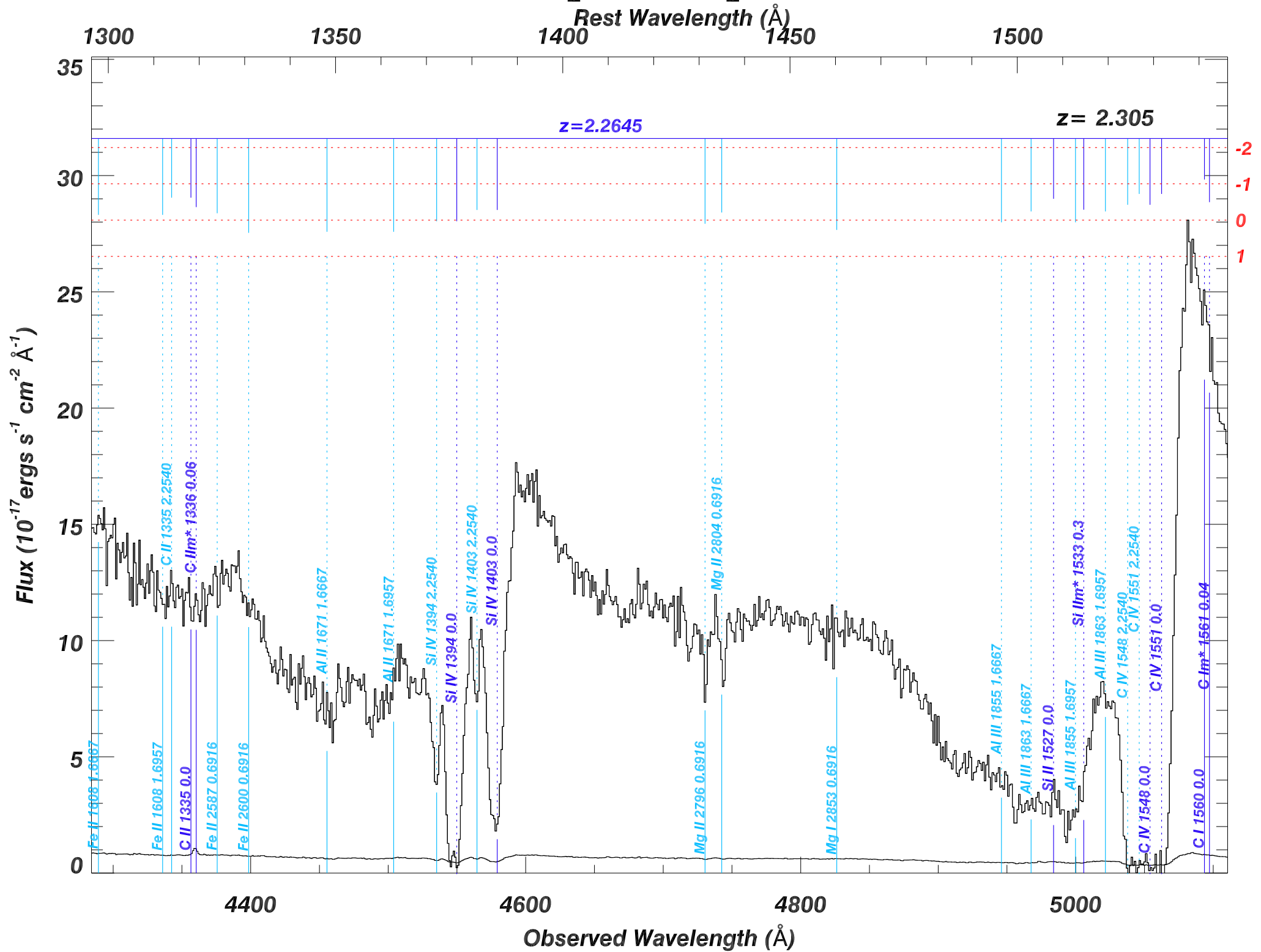
4000

4200

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



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

1550

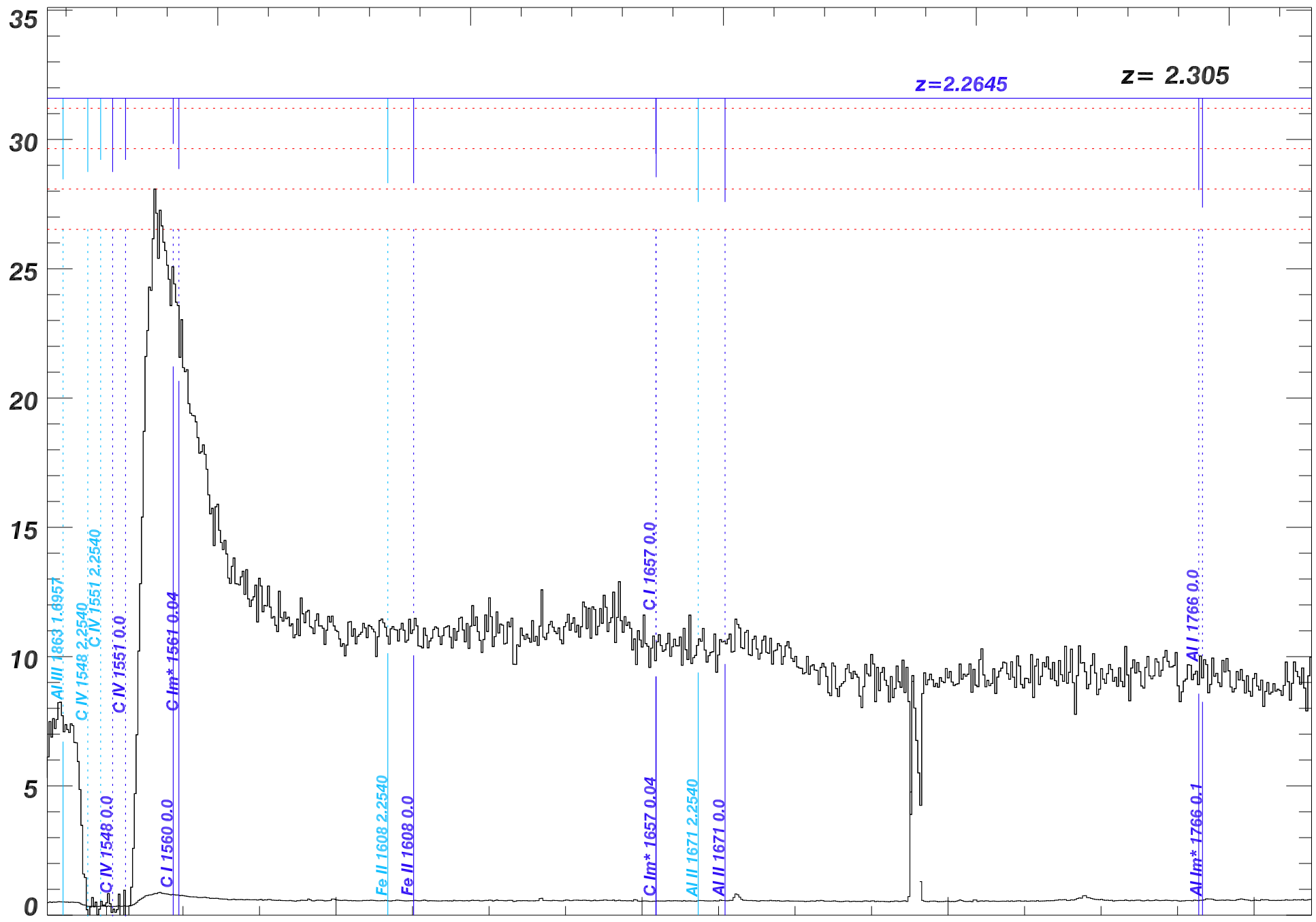
1600

1650

1700

1750

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



5200

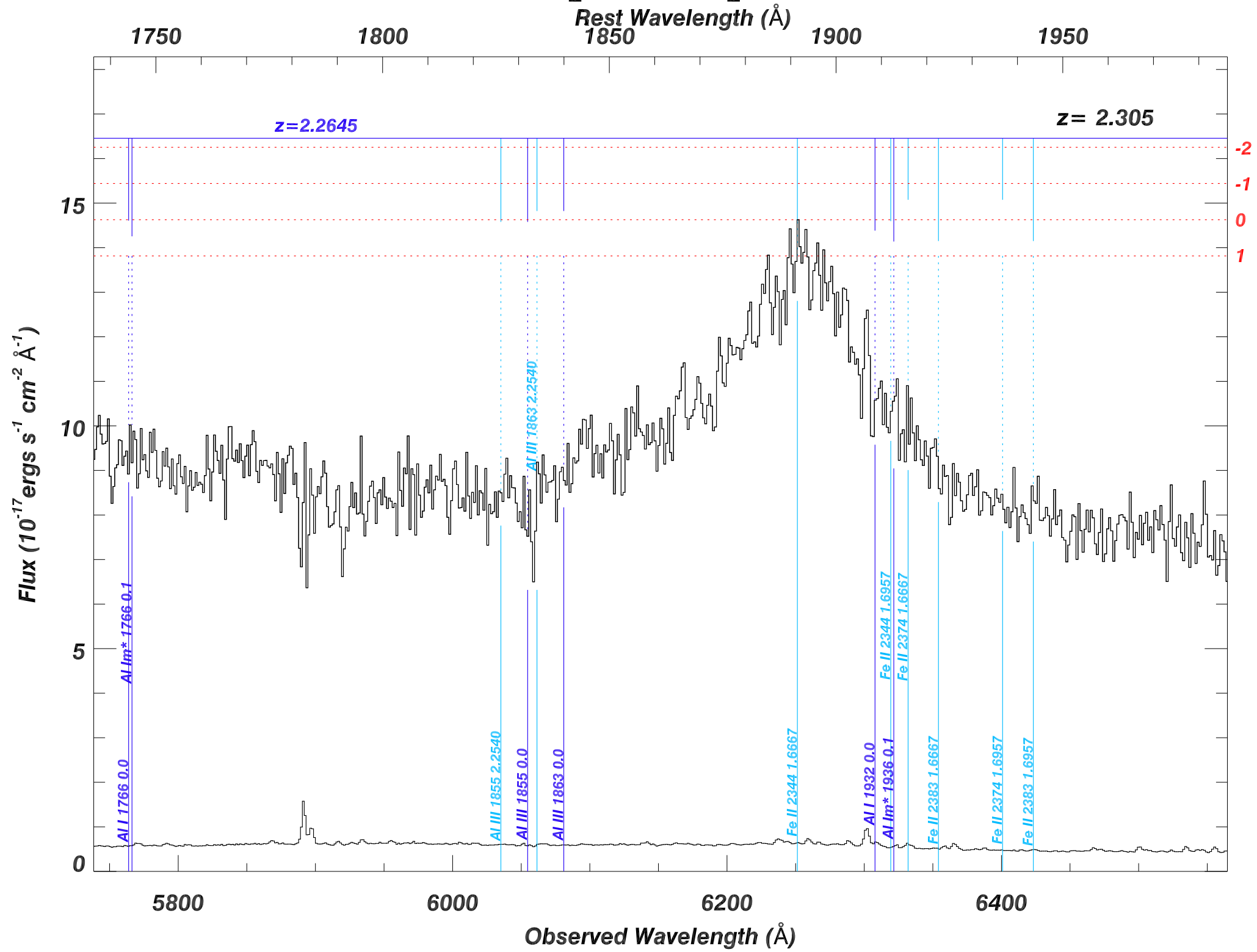
5400

5600

5800

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

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# SDSS\_J1440+0605\_MJD55684

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

2000

2050

2100

2150

2200

$z=2.2645$   
 $z=2.305$

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

10  
8  
6  
4  
2  
0

-2  
-1  
0  
1

6600

6800

7000

7200

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

Ca II 3935 0.6916

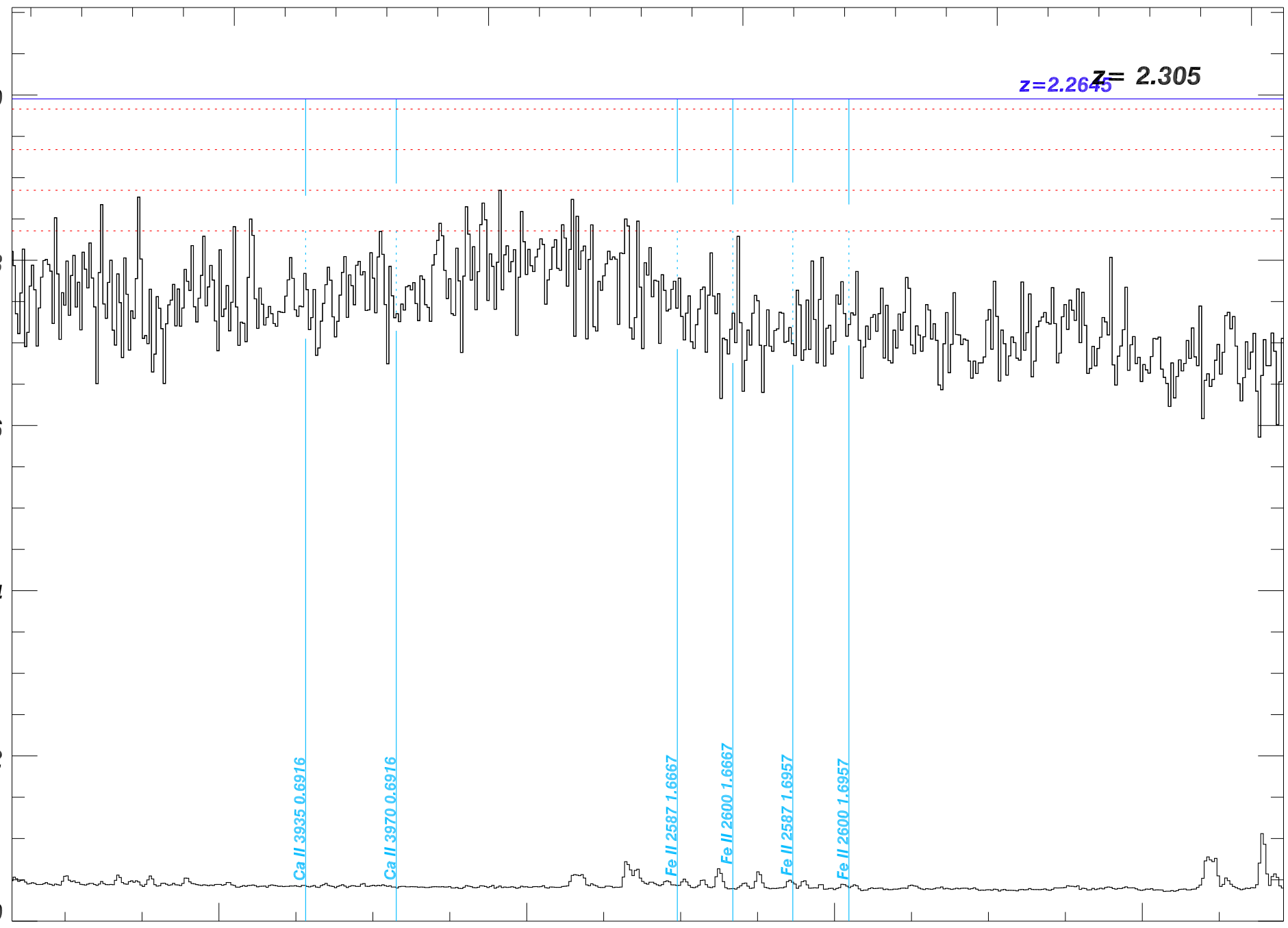
Ca II 3970 0.6916

Fe II 2587 1.6667

Fe II 2600 1.6667

Fe II 2587 1.6957

Fe II 2600 1.6957



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

2200

2250

2300

2350

2400

$z=2.2645$

$z= 2.305$

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

10

8

6

4

2

0

-2

-1

0

1

7200

7400

7600

7800

8000

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

Mg II 2796 1.6667

Mg II 2804 1.6667

Mg II 2796 1.6957

Mg II 2804 1.6957

Mg I 2853 1.6667

Fe II 2344 2.2540

Fe III\* 2339 0.9

Fe II 2344 0.0

Fe III\* 2349 0.7

Mg I 2853 1.6957

Fe III\* 2366 0.4

Fe II 2374 2.2540

Fe II 2374 0.0

Fe II 2383 2.2540

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

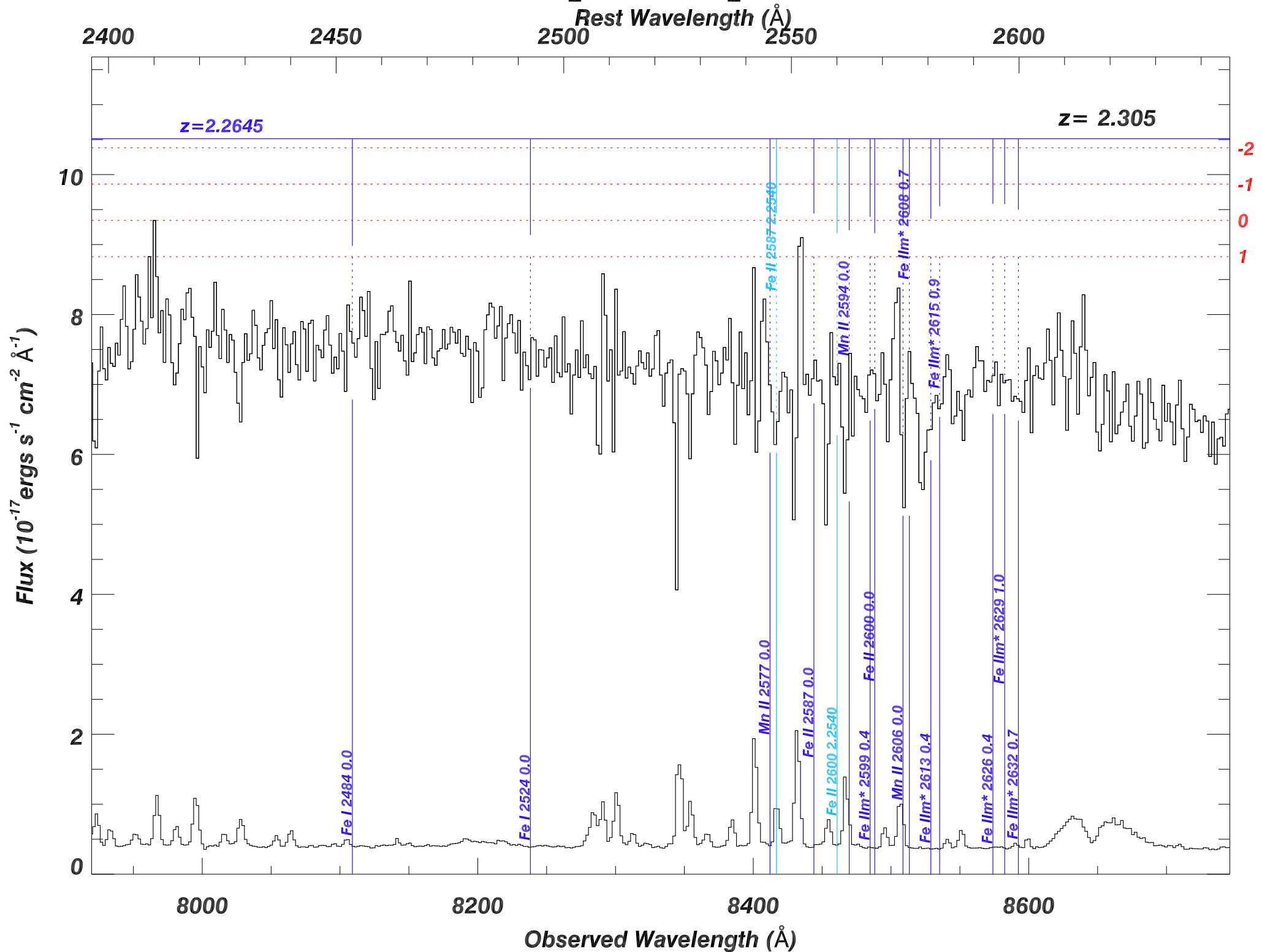
Fe III\* 2412 1.0

Fe III\* 2407 0.9

Fe III\* 2414 1.0

Fe III\* 2333 0.4

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# SDSS\_J1440+0605\_MJD55684

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

2650

2700

2750

2800

2850

12

$z=2.2645$

$z= 2.305$

-2

-1

0

1

10

8

6

4

2

0

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

8800

9000

9200

9400

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

Mg II 2796 2.2540

Mg II 2804 2.2540

Mg II 2804 0.0

Mg I 2853 2.2540

Mg I 2853 0.0

# SDSS\_J1440+0605\_MJD55684

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

2850

2900

2950

3000

3050

$z=2.2645$

$z=2.305$

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

12

10

8

6

4

2

0

-2

-1

0

1

He I  $\lambda$  2946 159.9

$9.40 \times 10^3$

$9.60 \times 10^3$

$9.80 \times 10^3$

$1.00 \times 10^4$

$1.02 \times 10^4$

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

**SDSS\_J1440+0605\_MJD55684**

*Rest Wavelength (Å)*

**3100**

**3200**

**3300**

**3400**

**z = 2.305**

