

**SDSS\_J2215-0045\_MJD55443**

**Rest Wavelength (Å)**

**1500**

**2000**

**2500**

**3000**

**3500**

**4000**

***z = 1.474***

**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)**



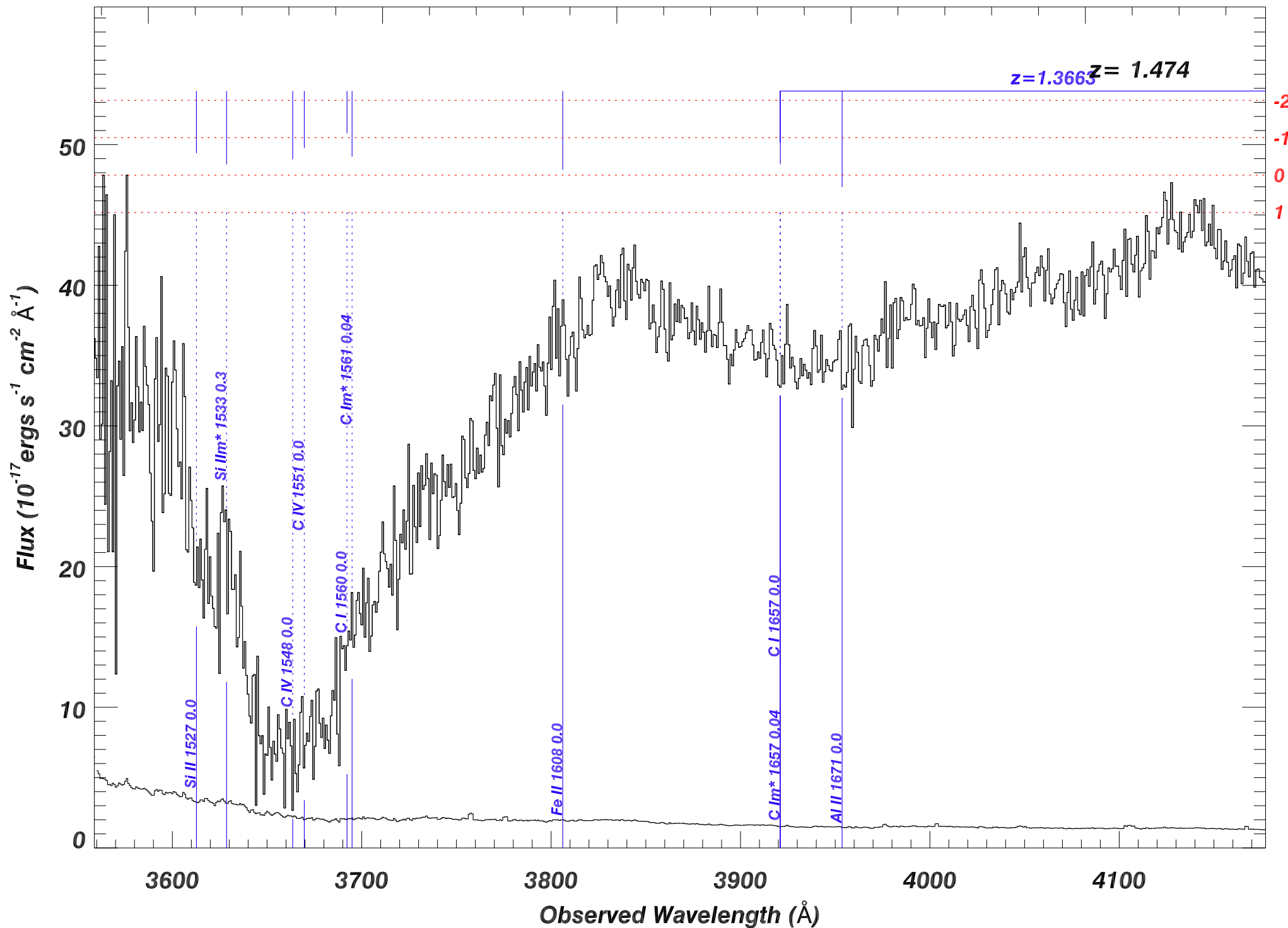
# SDSS\_J2215-0045\_MJD55443

Rest Wavelength ( $\text{\AA}$ )  
1550 1600

1450

1500

1650



# SDSS\_J2215-0045\_MJD55443

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

1700

1750

1800

1850

1900

$z=1.3663$

$z=1.474$

-2  
-1  
0  
1

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

60

40

20

0

Al I 1766 0.0  
Al I m\* 1766 0.1

Al III 1855 0.0

Al III 1863 0.0

Al I 1932 0.0

Al I m\* 1936 0.1

4200

4300

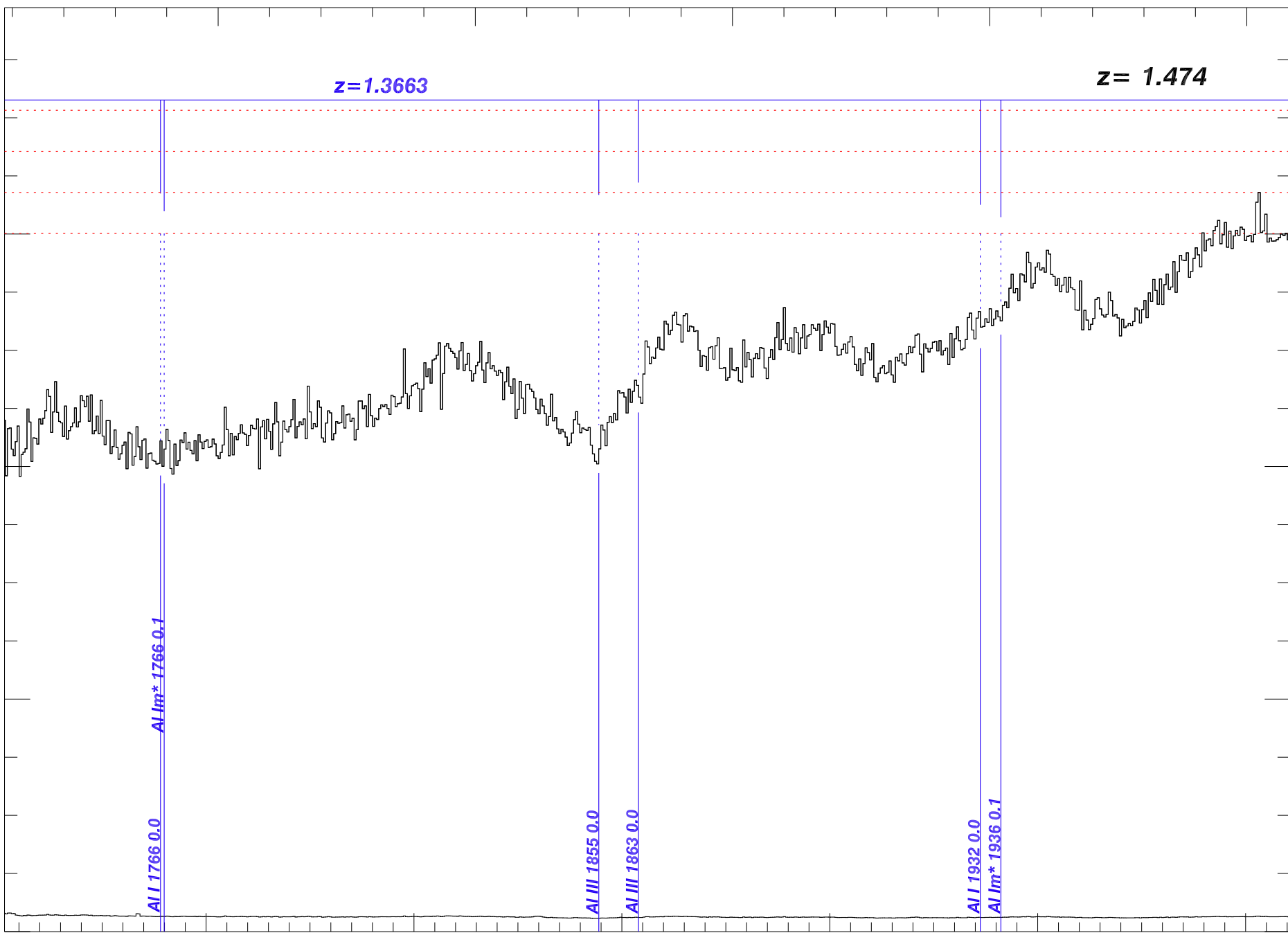
4400

4500

4600

4700

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



**SDSS\_J2215-0045\_MJD55443**

*Rest Wavelength (Å)*

1900

1950

2000

2050

2100

***z = 1.474***

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

60

40

20

0

4700

4800

4900

5000

5100

5200

***Observed Wavelength (Å)***

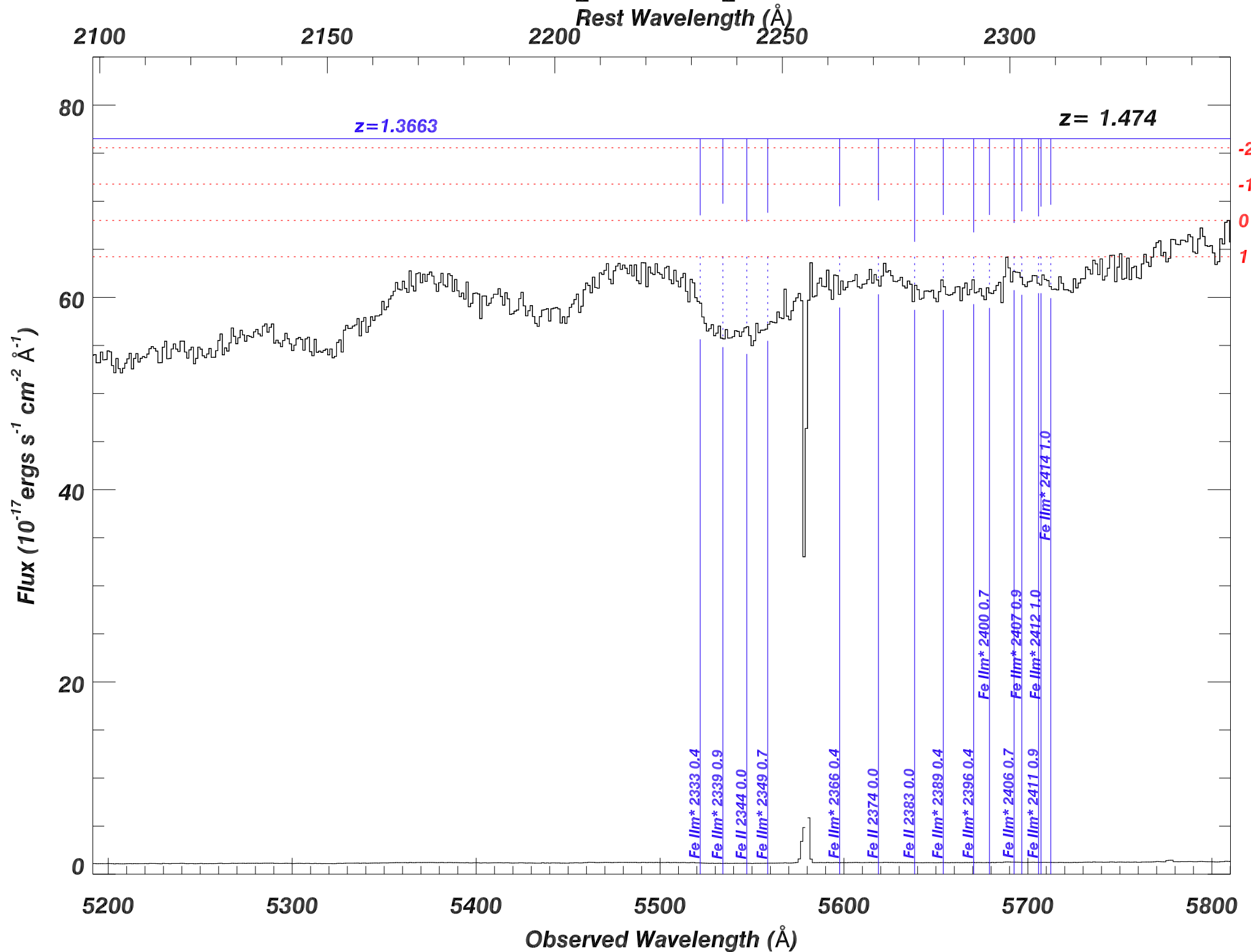
***-2***

***-1***

***0***

***1***

# SDSS\_J2215-0045\_MJD55443



# SDSS\_J2215-0045\_MJD55443

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

2350

2400

2450

2500

2550

$z=1.3663$

$z=1.474$

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

80

60

40

20

0

-2  
-1  
0  
1

5800

5900

6000

6100

6200

6300

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

*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 III*\* 2599 0.4

*Fe II* 2600 0.0

*Mn II* 2606 0.0

*Fe III*\* 2608 0.7

*Fe III*\* 2613 0.4

*Fe III*\* 2615 0.9

*Fe III*\* 2626 0.4

*Fe III*\* 2632 0.7

*Fe III*\* 2629 1.0

# SDSS\_J2215-0045\_MJD55443

Rest Wavelength ( $\text{\AA}$ )  
2650 2700

2550

2600

2700

2750

$z=1.3663$

$z=1.474$

80

60

40

20

0

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

-2  
-1  
0  
1

Mg II 2796 0.0

Mg II 2804 0.0

Mg I 2853 0.0

6300

6400

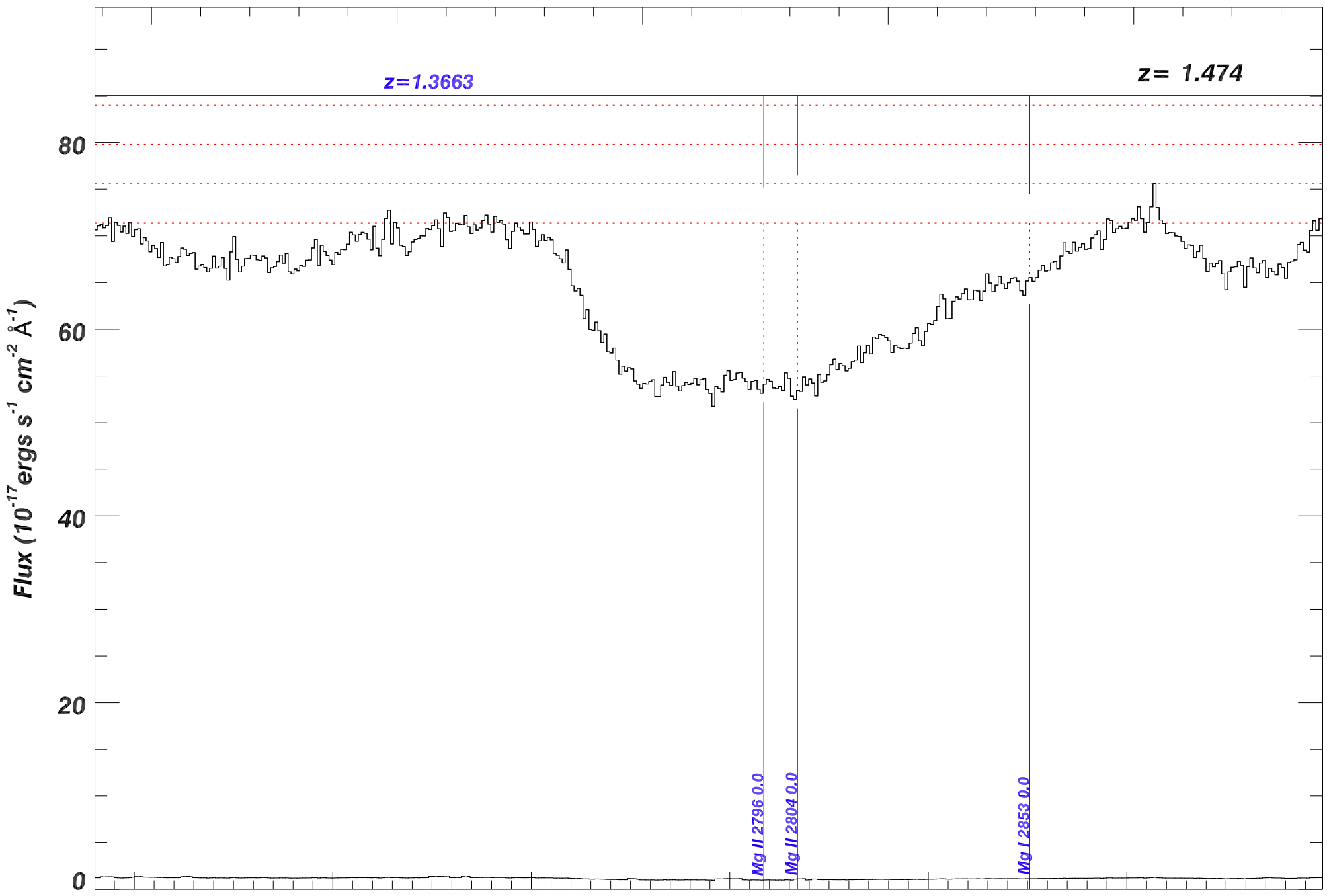
6500

6600

6700

6800

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



# SDSS\_J2215-0045\_MJD55443

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

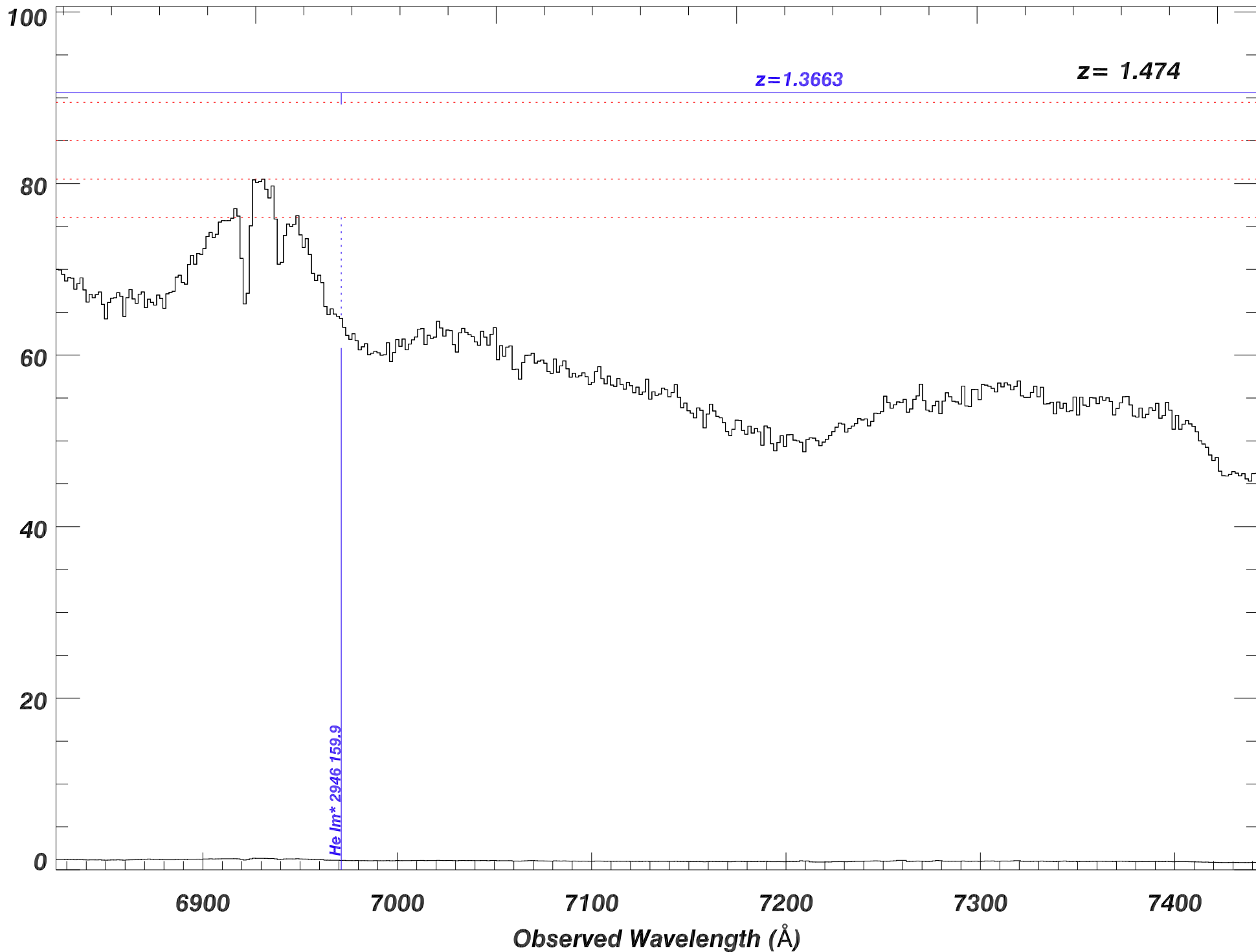
2800

2850

2900

2950

3000





# SDSS\_J2215-0045\_MJD55443

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

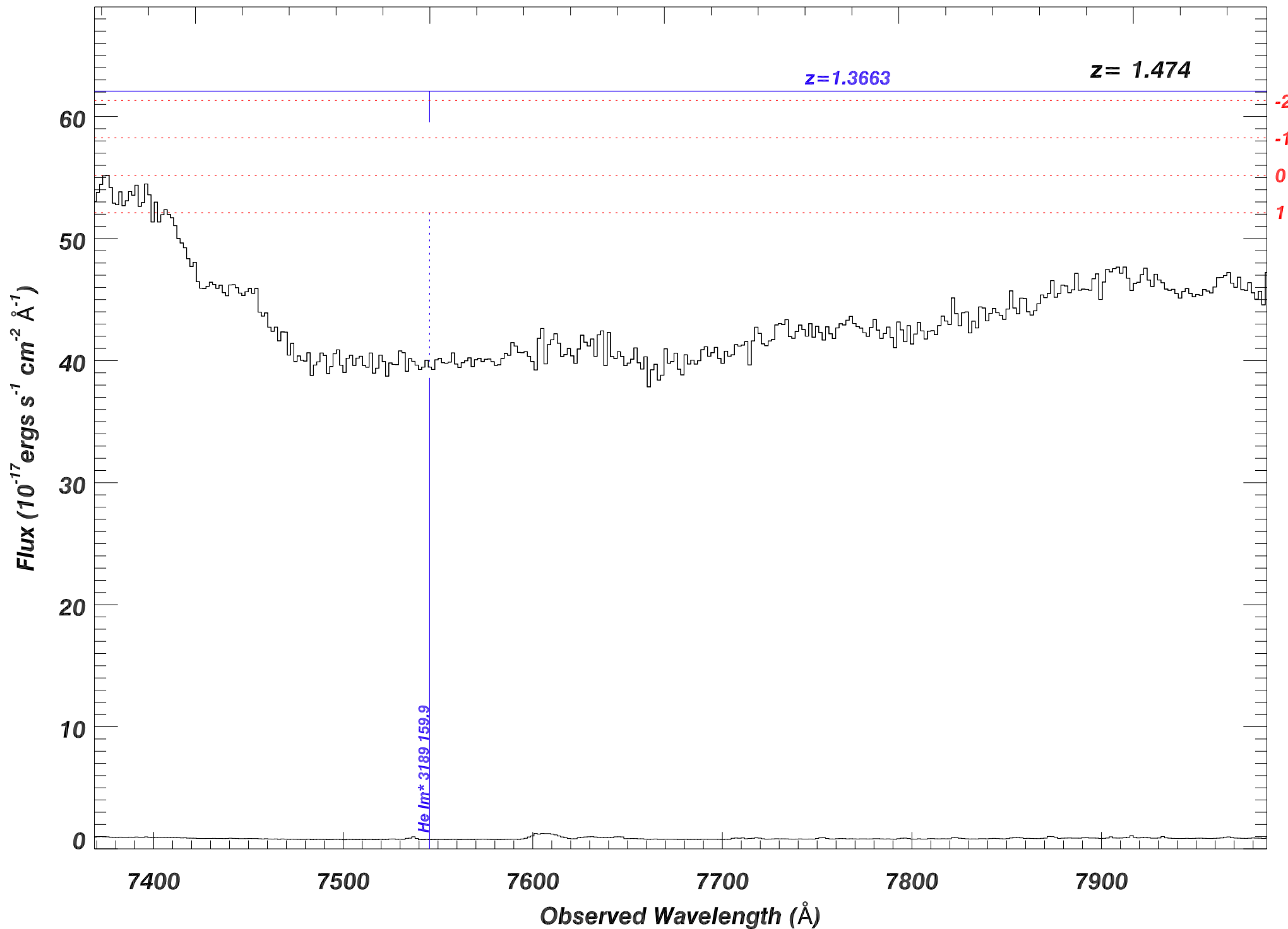
3000

3050

3100

3150

3200



# SDSS\_J2215-0045\_MJD55443

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

3200

3300

3400

3500

60

50

40

30

20

10

0

$z = 1.474$

-2

-1

0

1

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

8000

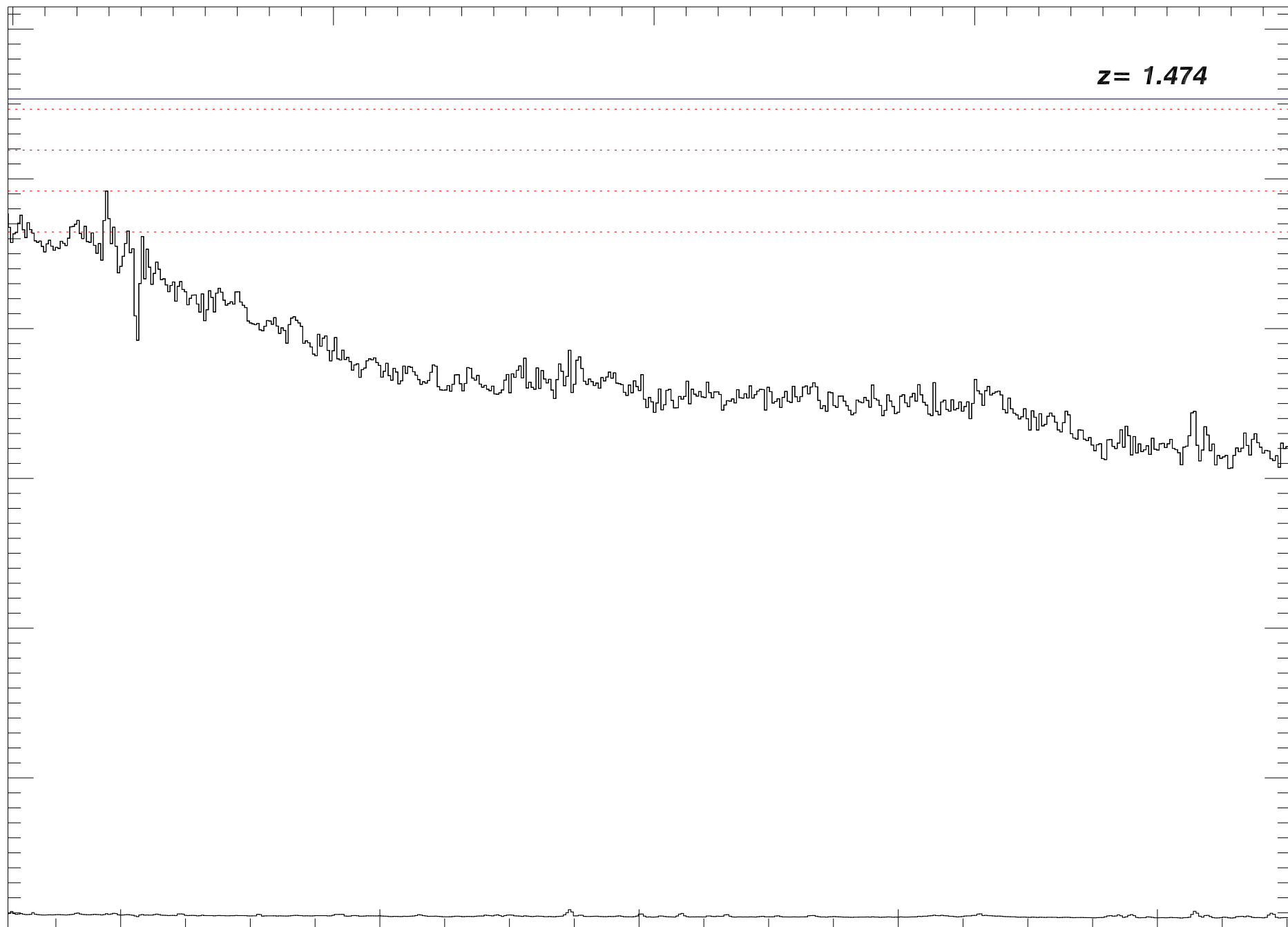
8200

8400

8600

8800

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



# SDSS\_J2215-0045\_MJD55443

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

3600

3700

3800

3900

$z=1.3663$

$z=1.474$

-2

-1

0

1

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

50  
40  
30  
20  
10  
0

9000

9200

9400

9600

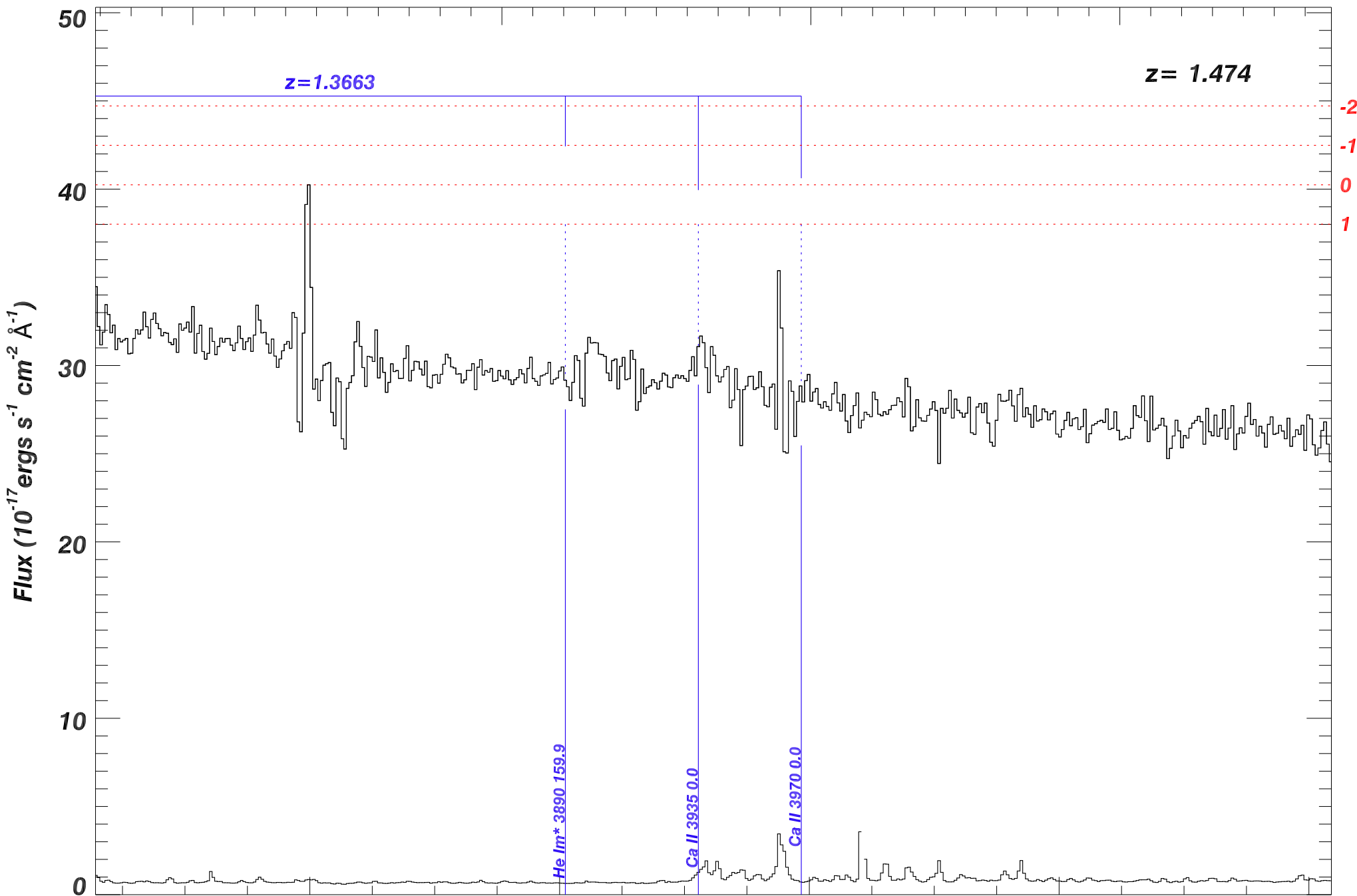
9800

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

He I $\lambda$ \* 3890 159.9

Ca II 3935 0.0

Ca II 3970 0.0



**SDSS\_J2215-0045\_MJD55443**

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

**4000**

**4100**

**4200**

**4300**

**$z = 1.474$**

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

**30**

**20**

**10**

**0**

**-2**  
**-1**  
**0**  
**1**

**$9.80 \times 10^3$**

**$1.00 \times 10^4$**

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

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

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

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

