

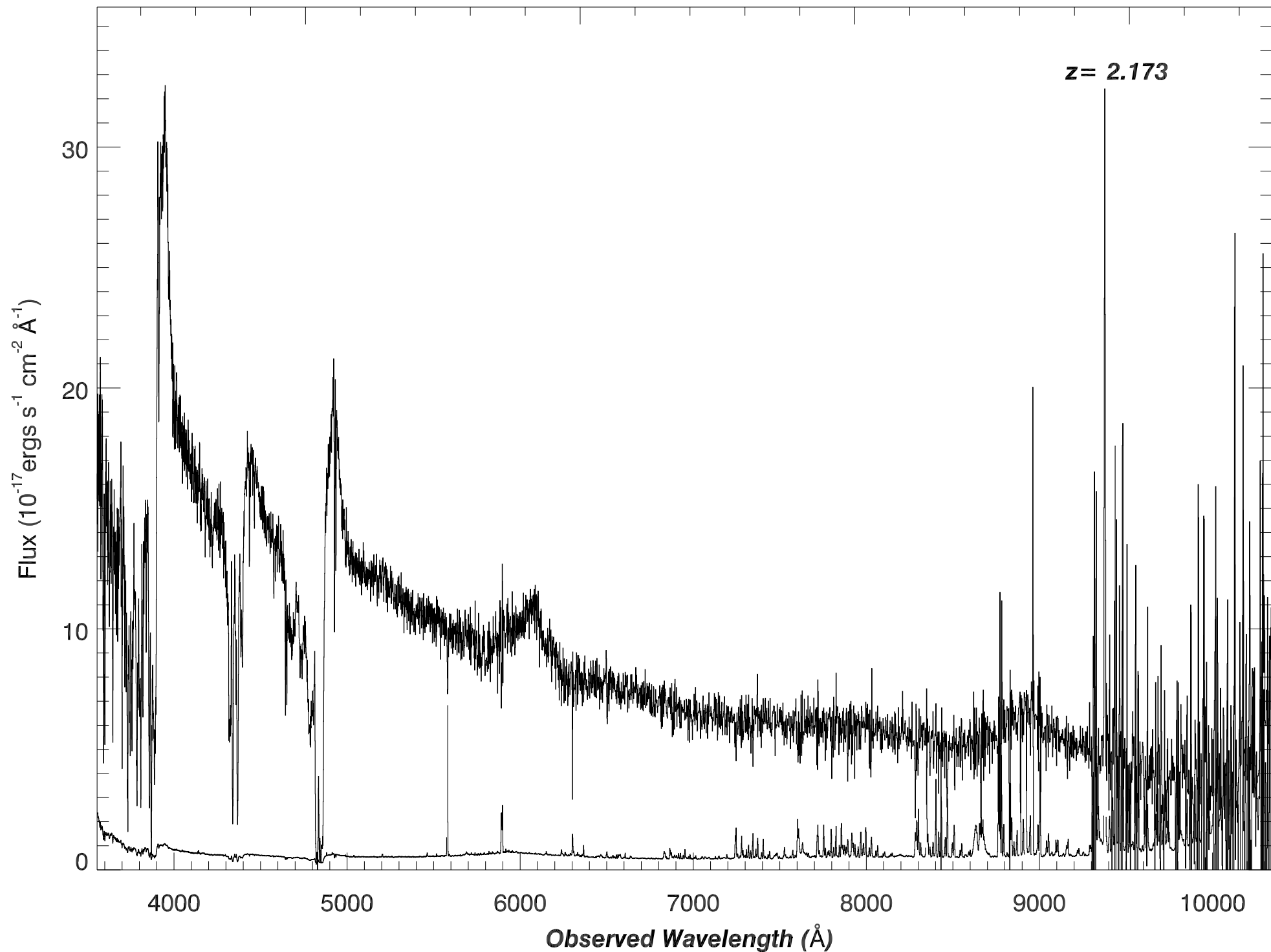
**SDSS\_J0812+0136\_MJD55863**

**Rest Wavelength ( $\text{\AA}$ )**  
2000

1500

2500

3000



## SDSS\_J0812+0136\_MJD55863

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

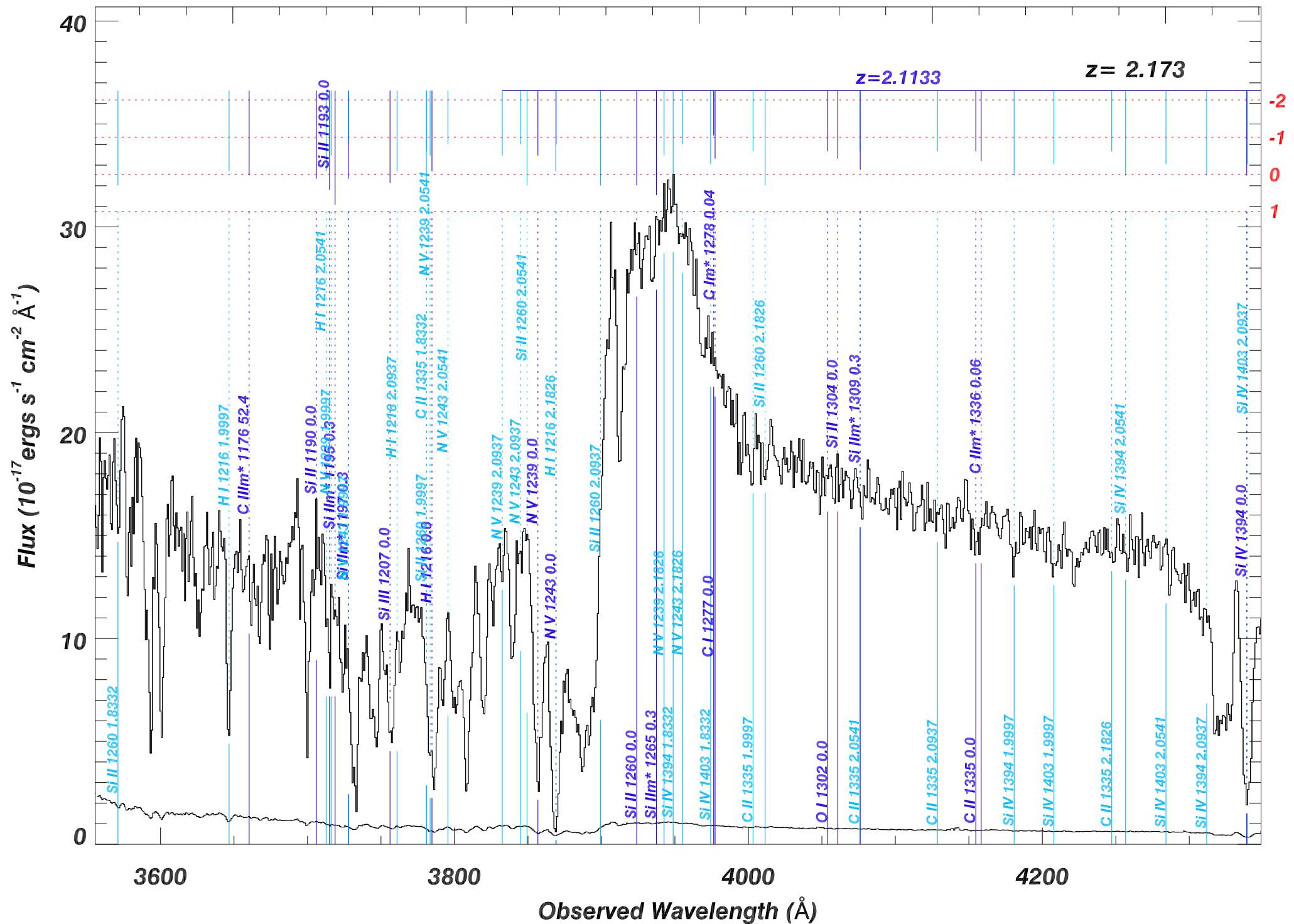
1150

1200

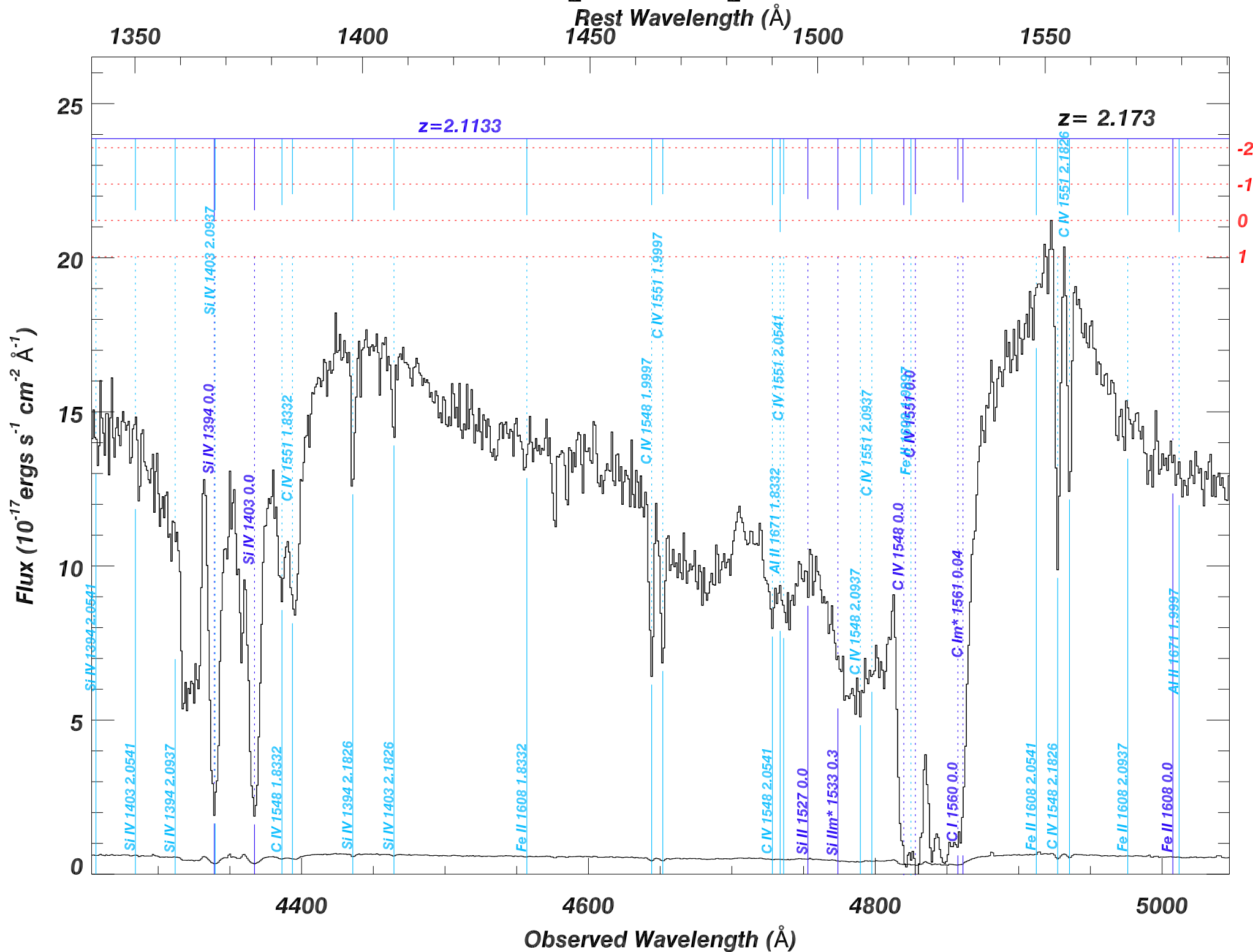
1250

1300

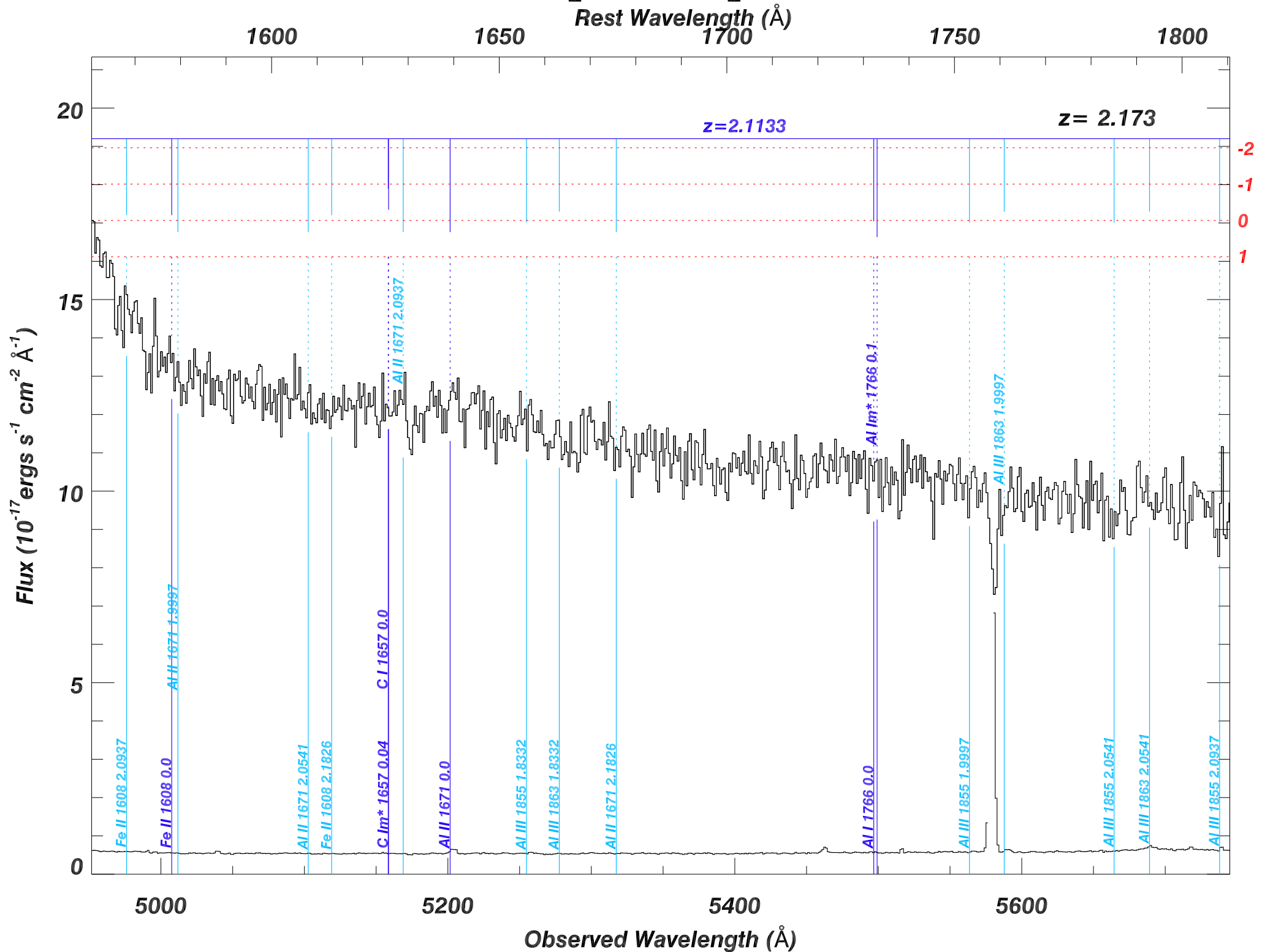
1350



# SDSS\_J0812+0136\_MJD55863



# SDSS\_J0812+0136\_MJD55863



# SDSS\_J0812+0136\_MJD55863

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

1800

1850

1900

1950

2000

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

15

10

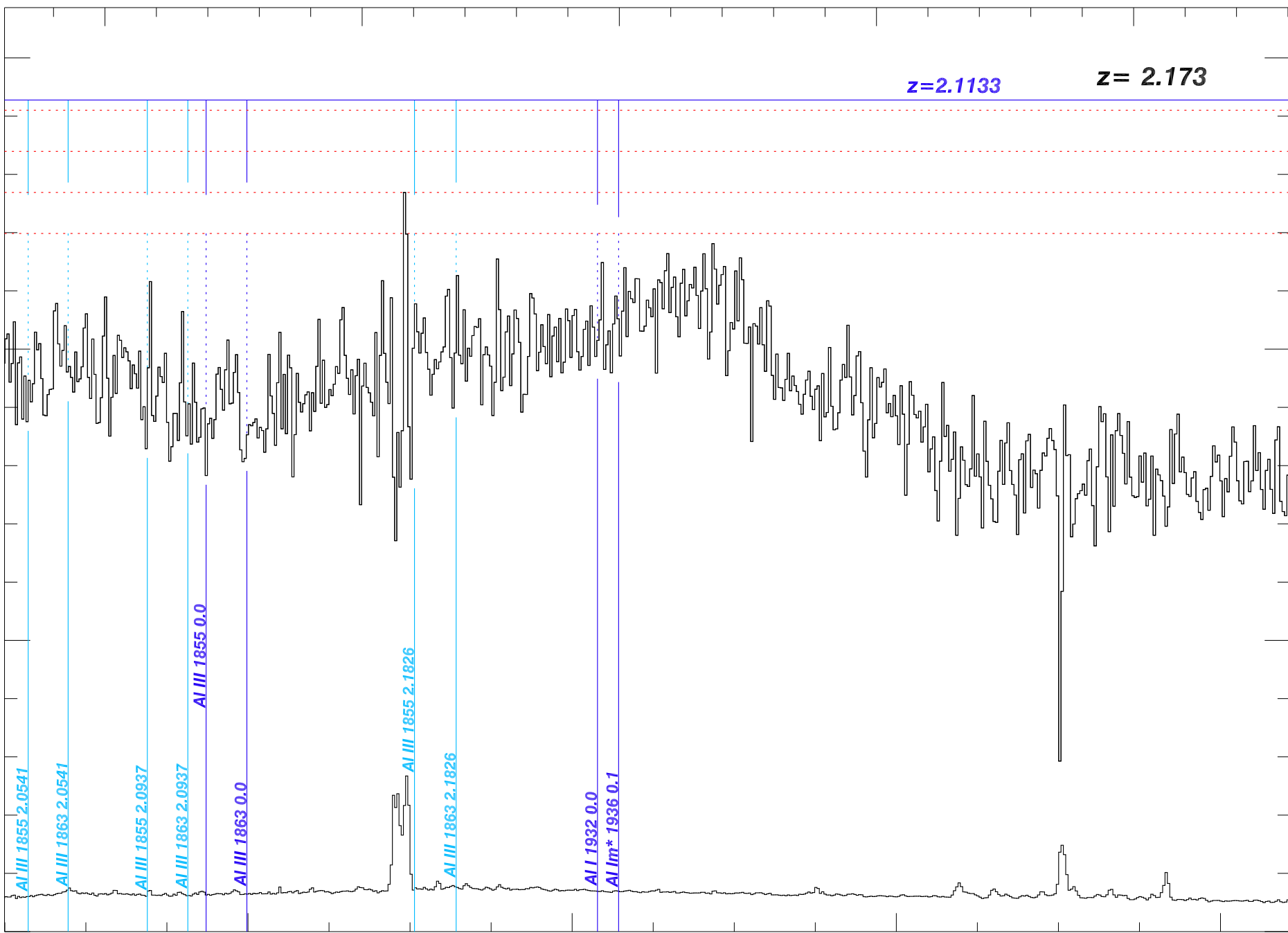
5

0

$z=2.1133$

$z=2.173$

-2  
-1  
0  
1



5800

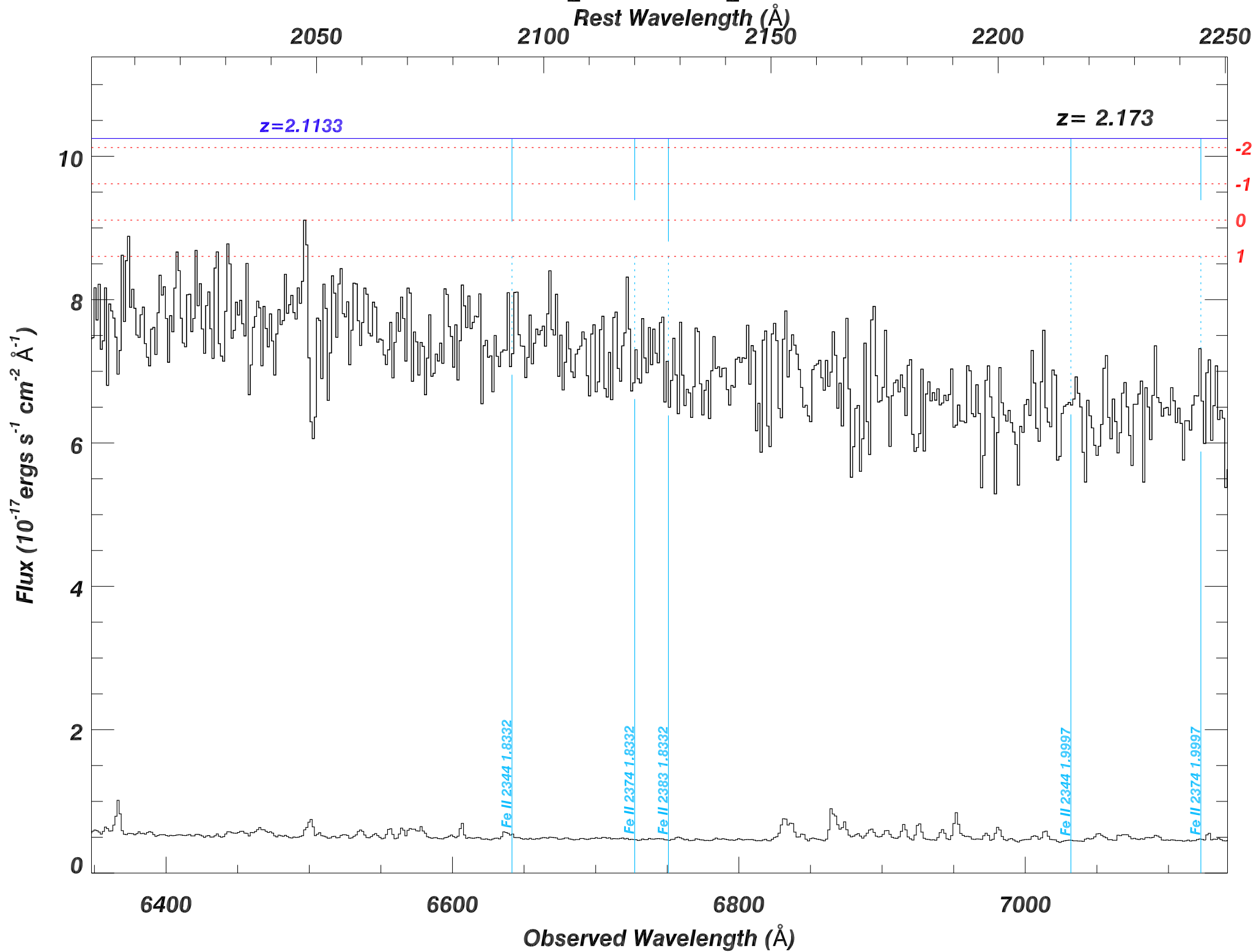
6000

6200

6400

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

# SDSS\_J0812+0136\_MJD55863



# SDSS\_J0812+0136\_MJD55863

Rest Wavelength (Å)

2250

2300

2350

2400

2450

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

10

8

6

4

2

0

$z=2.1133$

$z=2.173$

-2

-1

0

1

Fe II 2374 2.0541

Fe II 2383 1.9997

Fe II 2344 2.0541

Fe II 2374 1.9997

Fe II 2383 2.0541

Fe II 2344 2.0937

Fe II 2333 0.4

Fe II 2383 2.0541

Fe II 2344 0.0

Fe II 2349 0.7

Fe II 2587 1.8332

Fe II 2374 2.0937

Fe II 2600 1.8332

Fe II 2374 0.0

Fe II 2383 0.0

Fe II 2389 0.4

Fe II 2344 2.1826

Fe II 2396 0.4

Fe II 2400 0.7

Fe II 2406 0.7

Fe II 2411 0.9

Fe II 2412 1.0

Fe II 2414 1.0

Fe II 2374 2.1826

Fe II 2383 2.1826

Fe I 2484 0.0

Fe II 2587 1.9997

Fe II 2600 1.9997

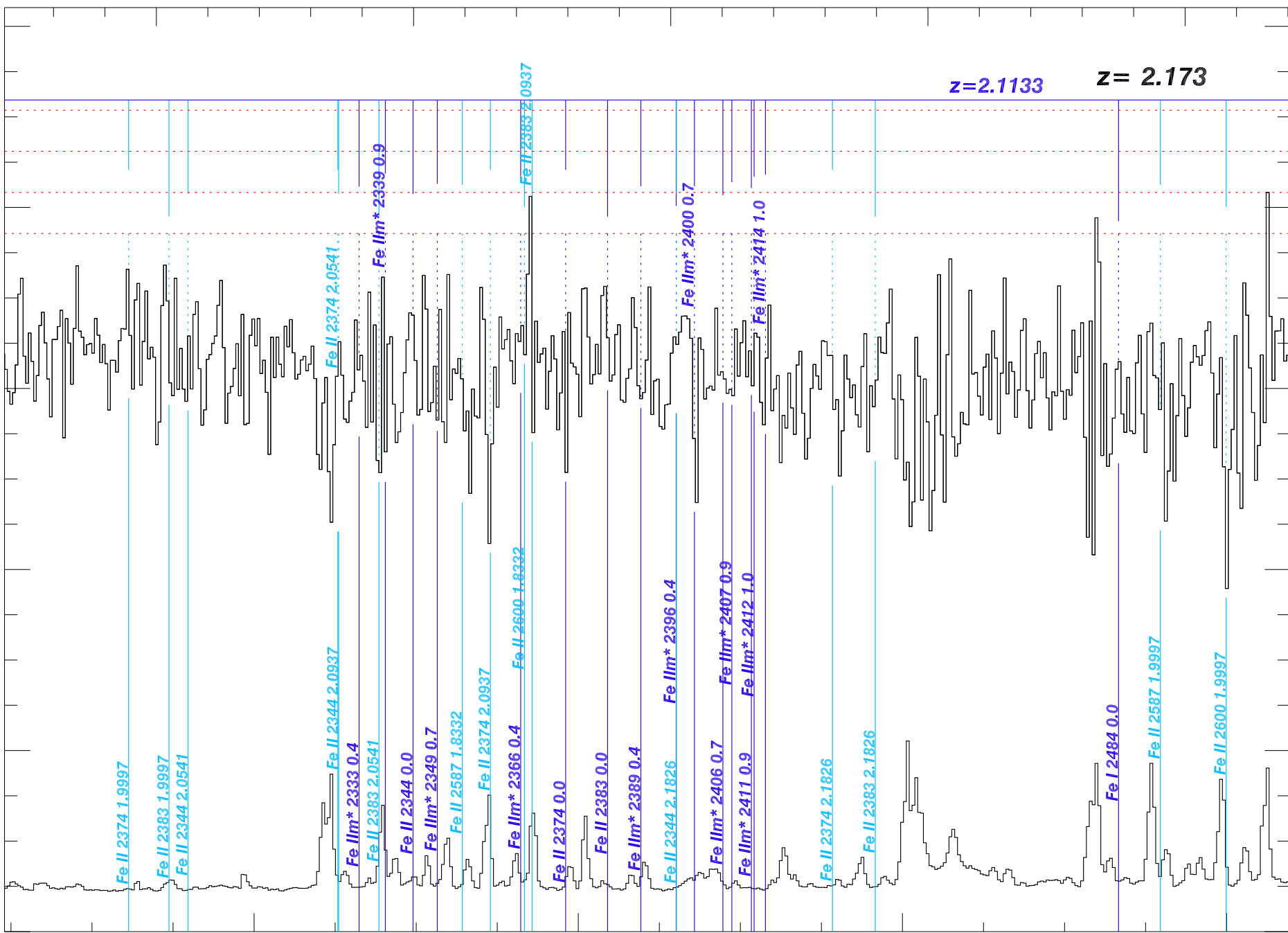
7200

7400

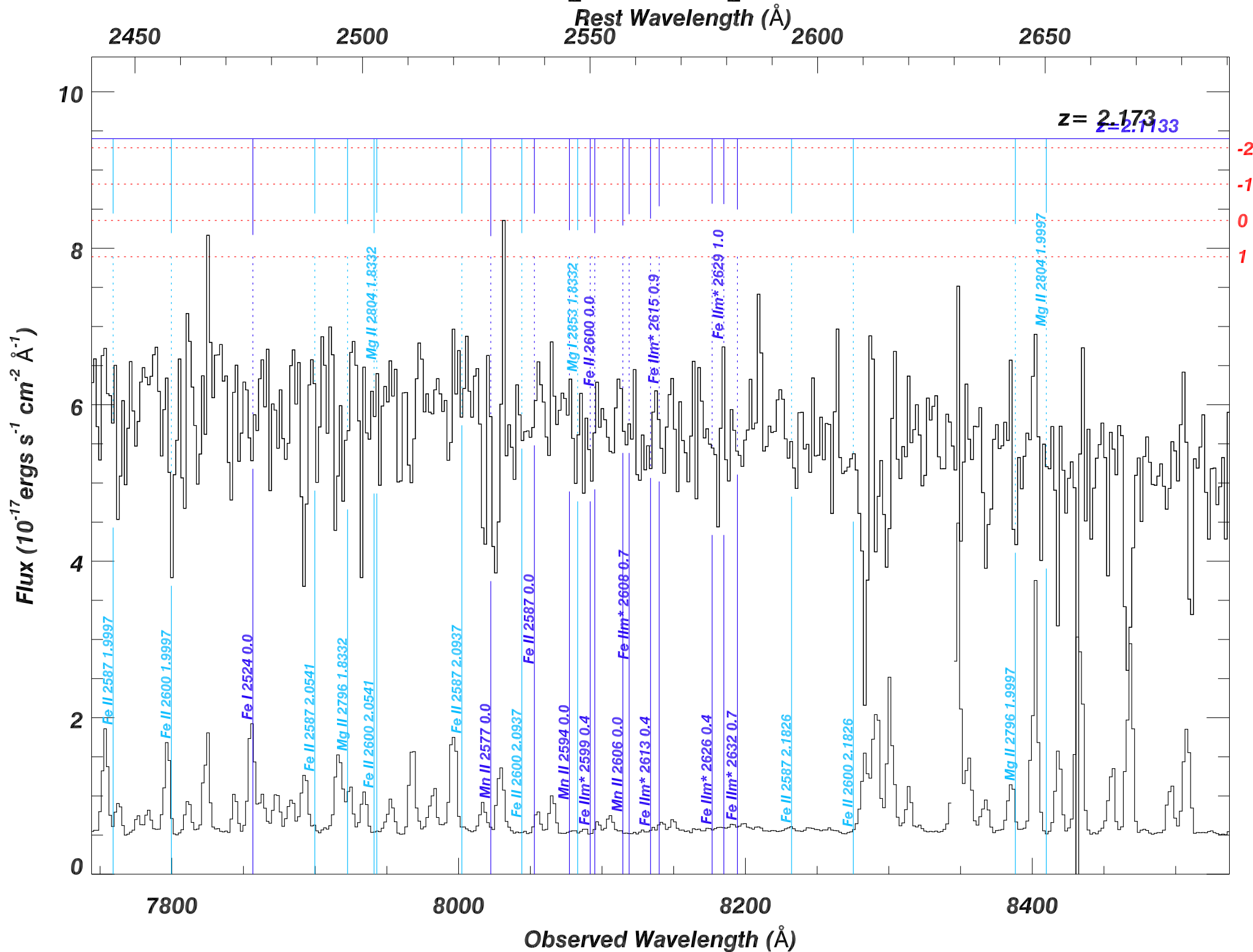
7600

7800

Observed Wavelength (Å)



# SDSS\_J0812+0136\_MJD55863





# SDSS\_J0812+0136\_MJD55863

Rest Wavelength (Å)

2700

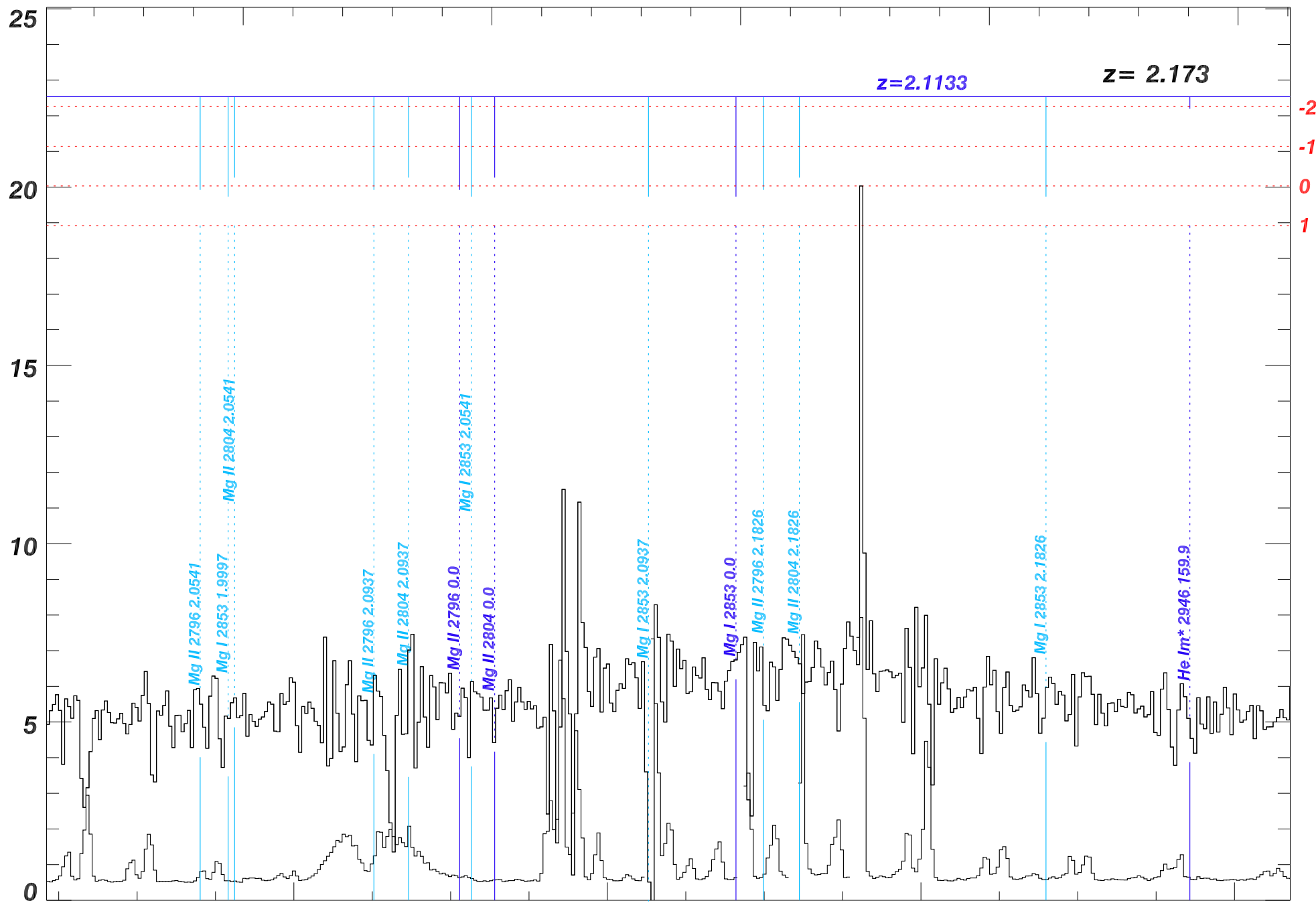
2750

2800

2850

2900

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



8600

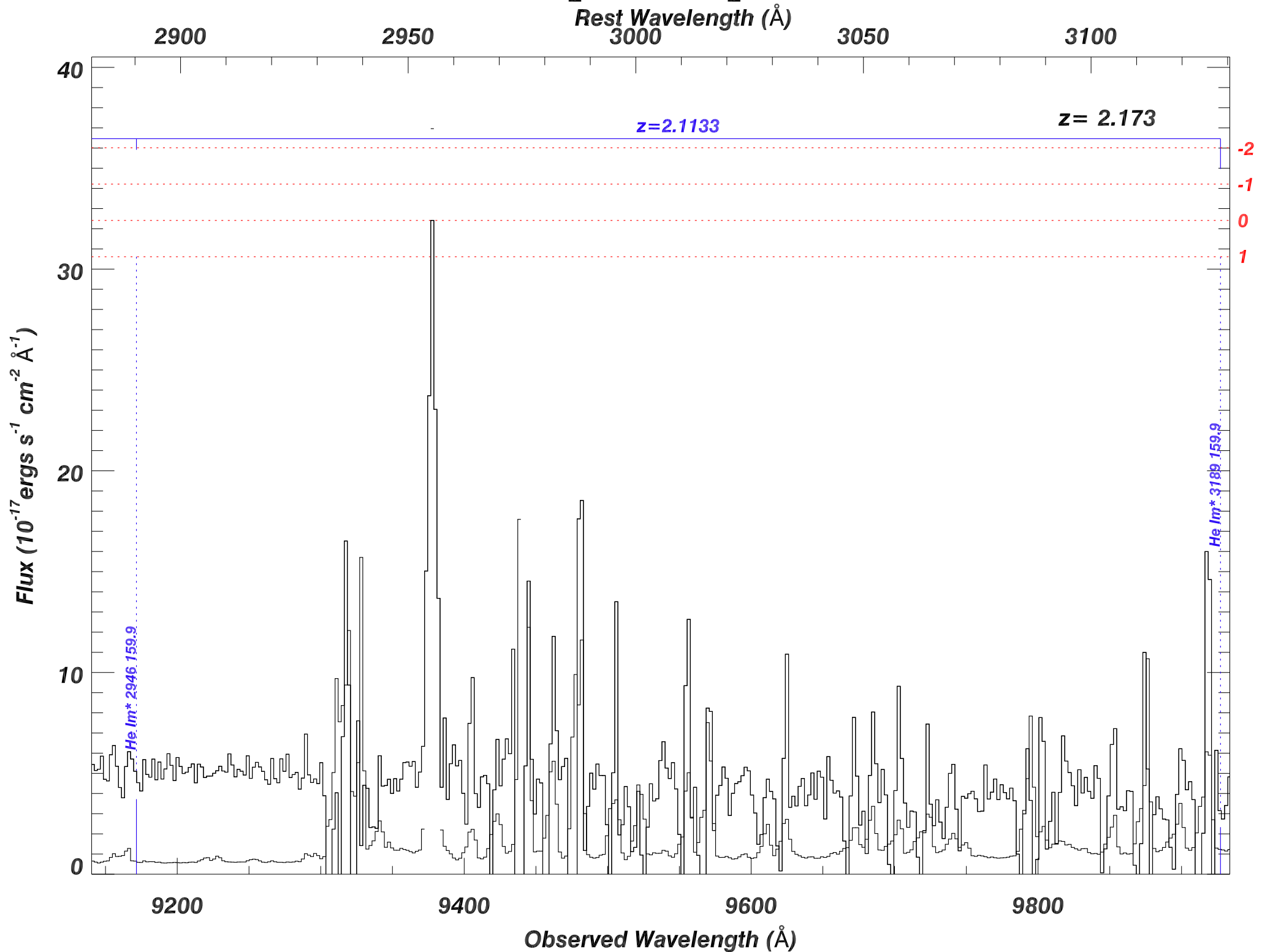
8800

9000

9200

Observed Wavelength (Å)

# SDSS\_J0812+0136\_MJD55863



SDSS\_J0812+0136\_MJD55863

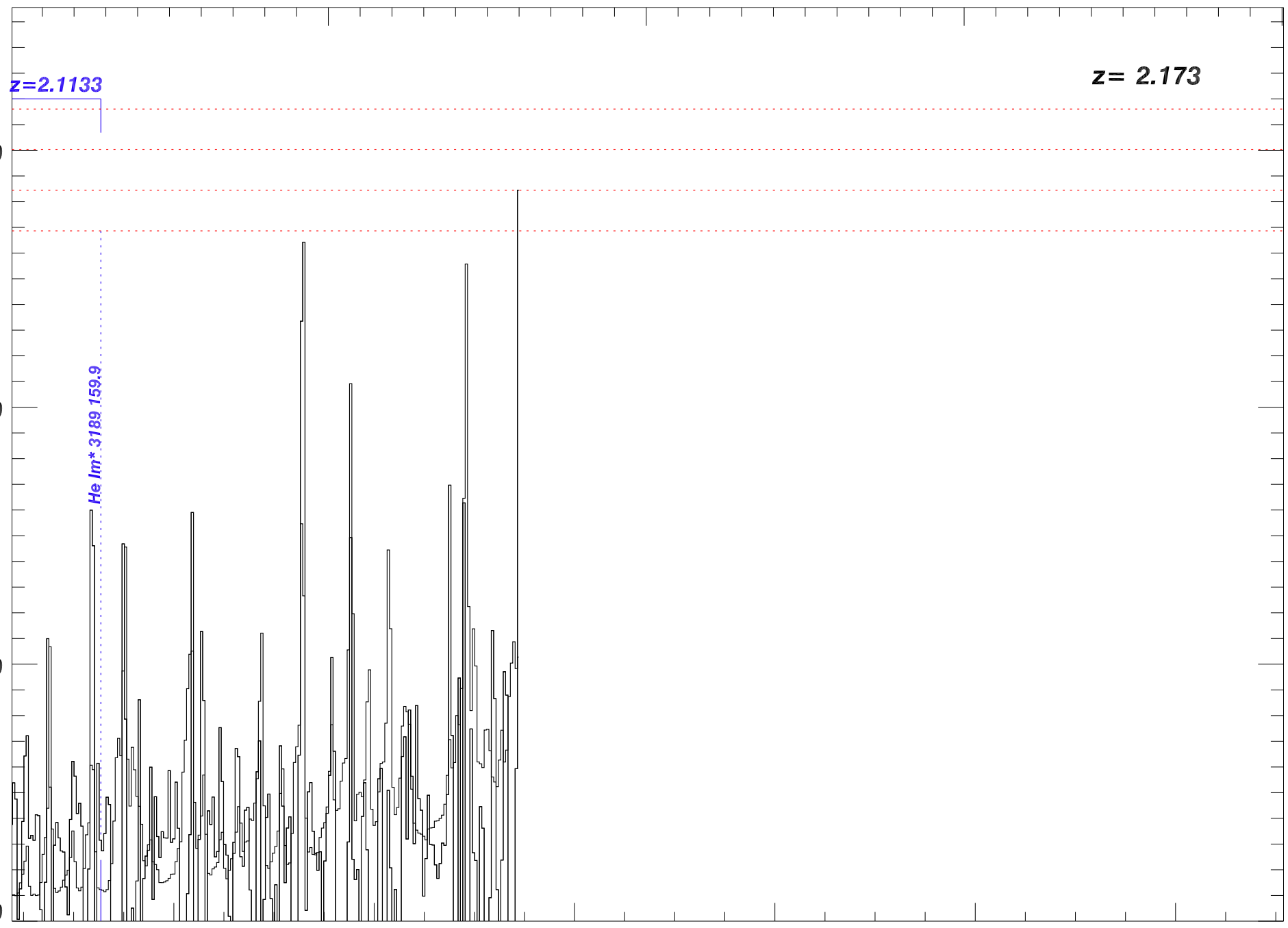
Rest Wavelength ( $\text{\AA}$ )

3200

3300

3400

3500



$z = 2.1133$

$z = 2.173$

He I m\* 3189, 159.9

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

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

$1.00 \times 10^4$

$1.02 \times 10^4$

$1.04 \times 10^4$

$1.06 \times 10^4$

$1.08 \times 10^4$

$1.10 \times 10^4$

30

20

10

0

-2

-1

0

1