

SDSS J1602+0845
2000

1500

2500

Rest Wavelength (Å)

z = 2.272

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

250

200

150

100

50

0

4000

5000

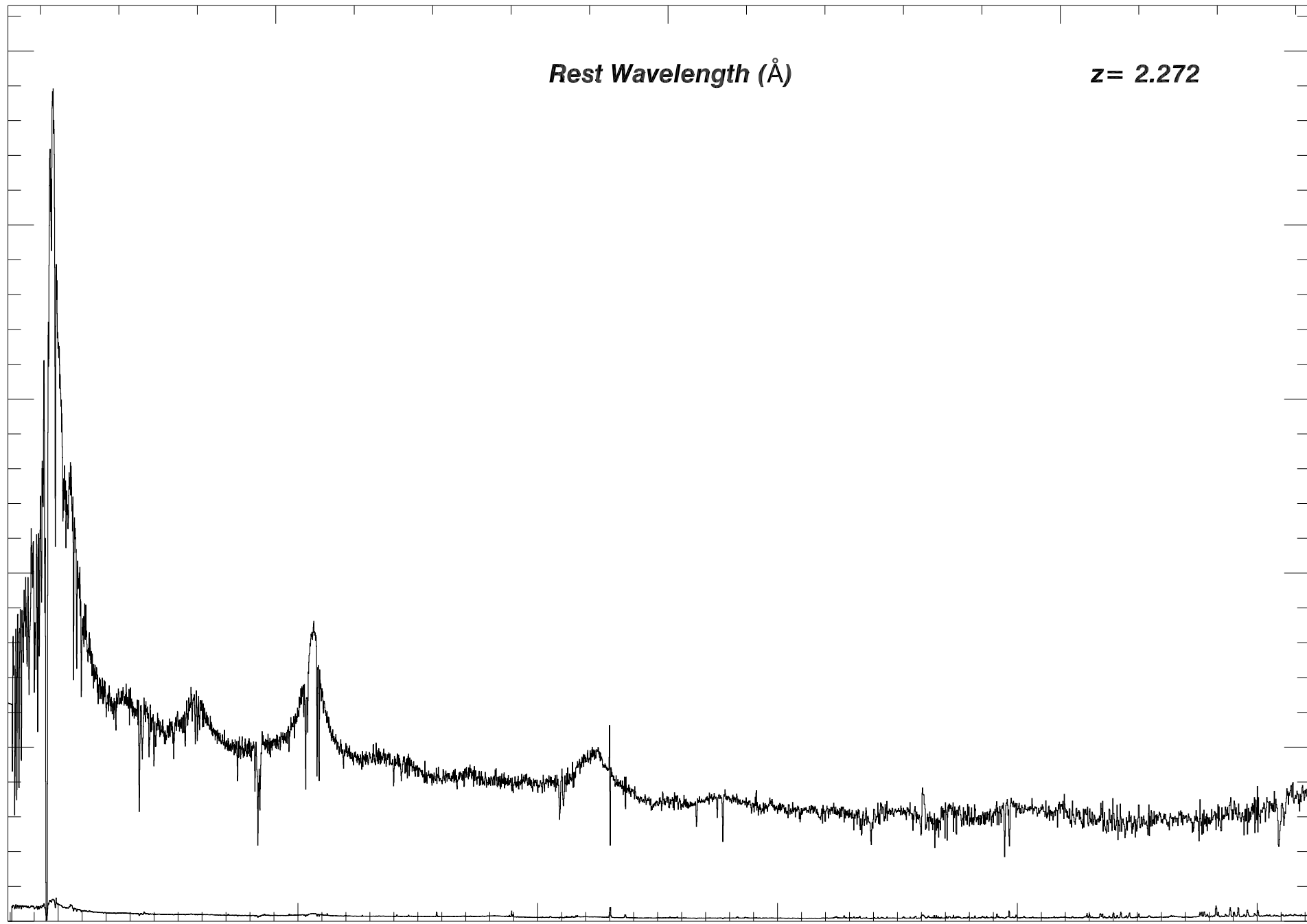
6000

7000

8000

9000

Observed Wavelength (Å)



SDSS J1602+0845

1200

1250

1300

1350

1400

Rest Wavelength (Å)

z = 2.272

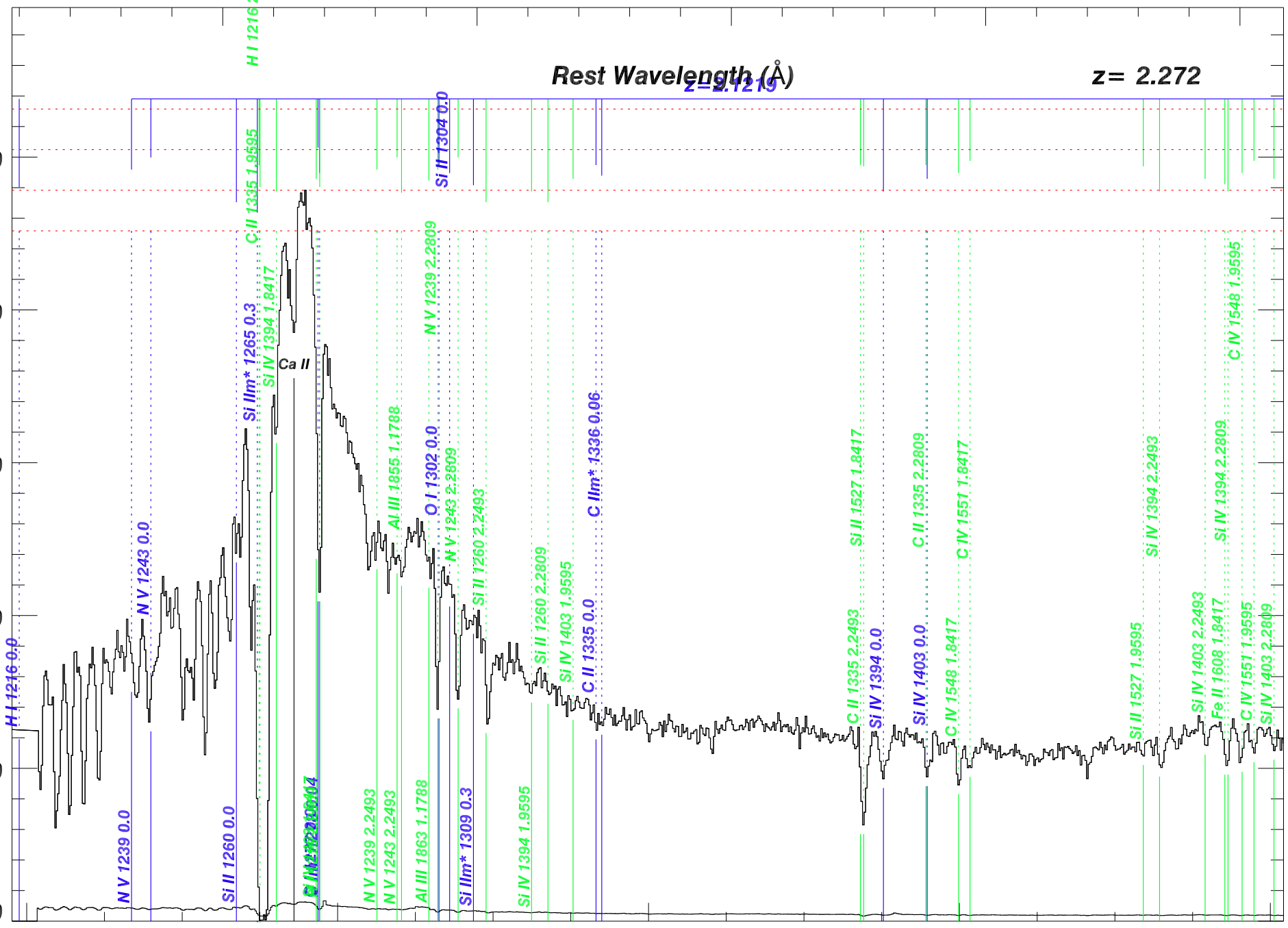
Flux (10^{-17} ergs s^{-1} cm^{-2} Å $^{-1}$)

250
200
150
100
50
0

3800 4000 4200 4400 4600

Observed Wavelength (Å)

-2
-1
0
1



H I 1216 0.9

N V 1239 0.0

N V 1243 0.0

Si II 1260 0.0

Si II* 1265 0.3

C II 1335 1.9595

Si IV 1394 1.8417

Ca II

C IV 1548 1.9595

N V 1239 2.2493

N V 1243 2.2493

Al III 1863 1.1788

Al III 1855 1.1788

Si II* 1309 0.3

O I 1302 0.0

N V 1243 2.2609

N V 1239 2.2809

Si IV 1394 1.9595

Si II 1260 2.2493

Si II 1260 2.2809

Si IV 1403 1.9595

C II 1335 0.0

C III* 1336 0.06

C II 1335 2.2493

Si II 1527 1.8417

Si IV 1394 0.0

Si IV 1403 0.0

C IV 1548 1.8417

C II 1335 2.2809

C IV 1551 1.8417

Si II 1527 1.9595

Si IV 1394 2.2493

Si IV 1403 2.2493

Si IV 1394 2.2809

Fe II 1608 1.8417

C IV 1548 1.9595

C IV 1551 1.9595

Si IV 1403 2.2809

SDSS J1602+0845

1400

1450

1500

1550

1600

Rest Wavelength (\AA)

$z=2.1219$

$z=2.272$

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

100

80

60

40

20

0

-2
-1
0
1

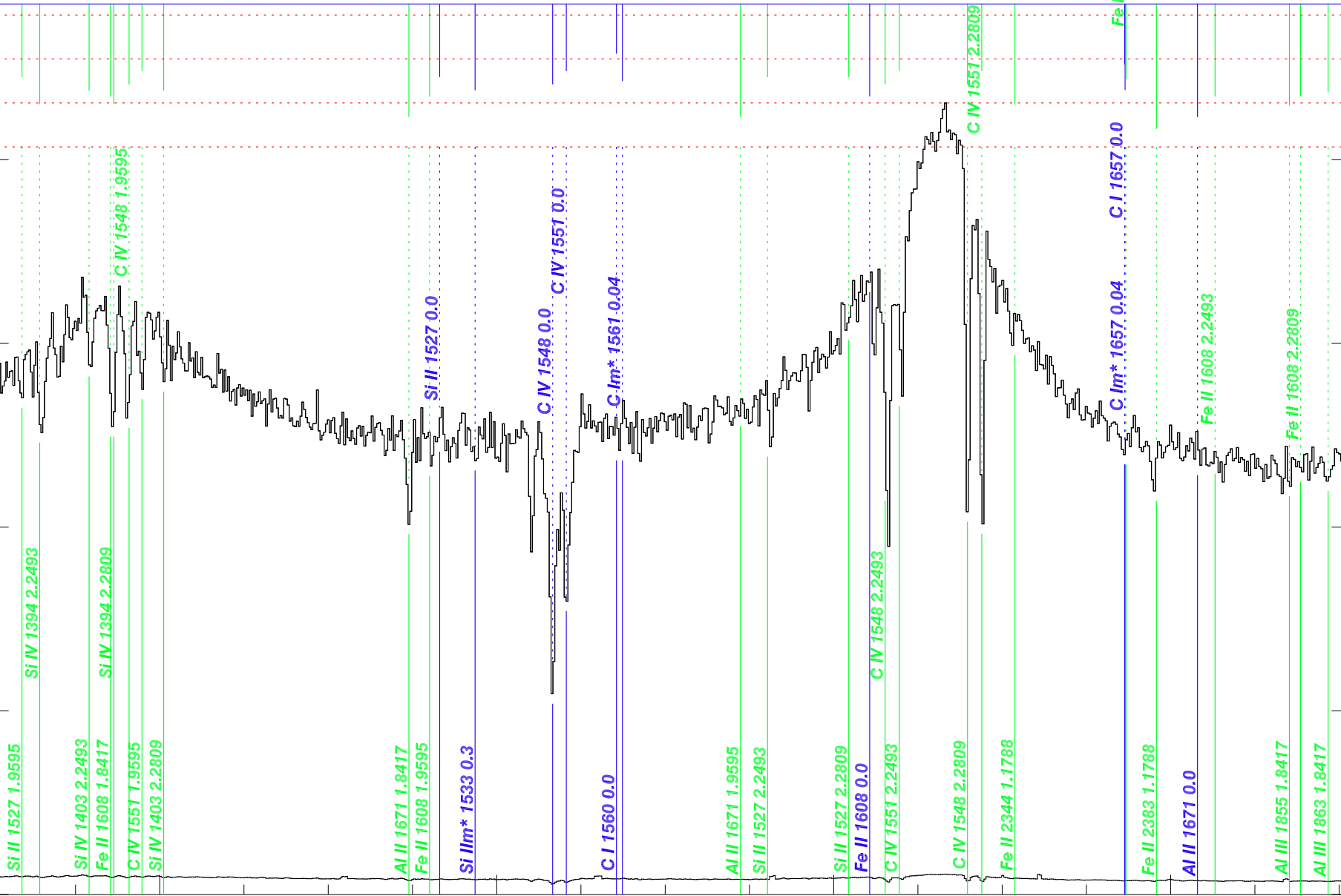
4600

4800

5000

5200

Observed Wavelength (\AA)



SDSS J1602+0845

1600

1650

1700

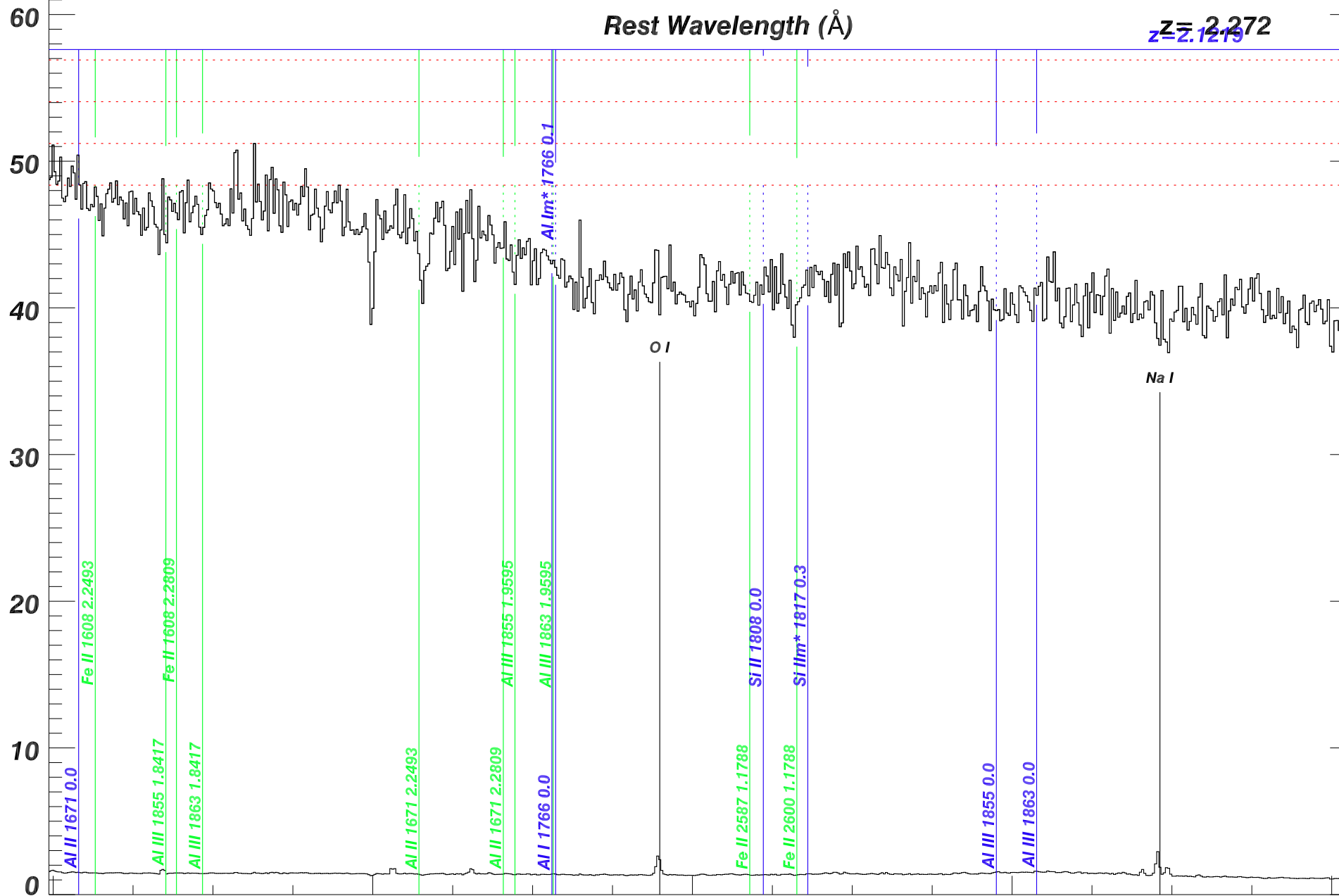
1750

1800

Rest Wavelength (\AA)

$z = 2.272$
 ~~$z = 2.1215$~~

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



5200

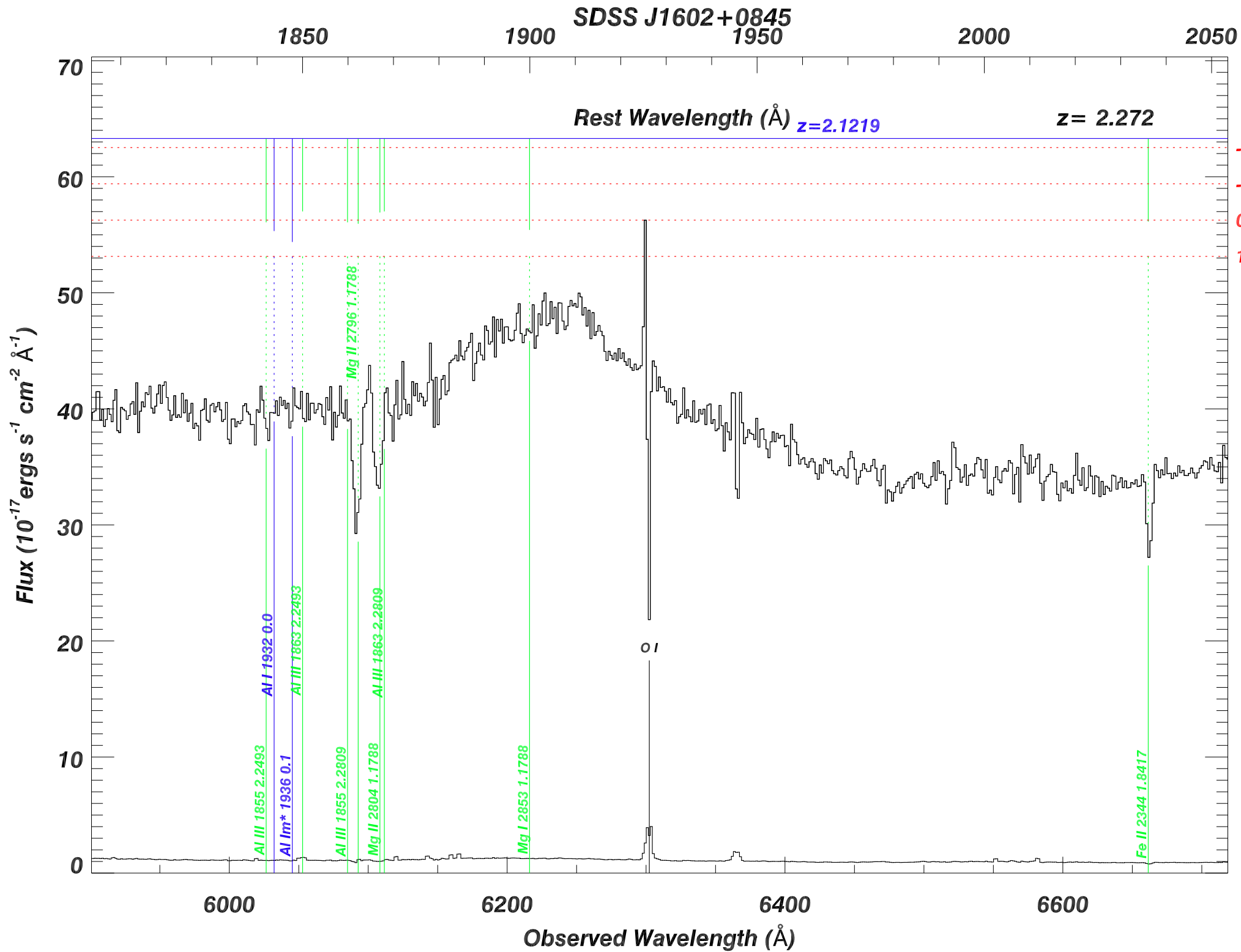
5400

5600

5800

6000

Observed Wavelength (\AA)



2050

2100

SDSS J1602+0845
2150

2200

2250

Rest Wavelength (\AA)

$z=2.1219$

$z=2.272$

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

40

30

20

10

0

-2

-1

0

1

Fe II 2344 1.8417

Fe II 2374 1.8417

Fe II 2383 1.8417

Fe II 2344 1.9595

Fe II 2374 1.9595

Fe II 2383 1.9595

Fe III* 2333 0.4

Fe III* 2339 0.9

Fe II 2344 0.0

Fe III* 2349 0.7

Fe II 2587 1.8417

Fe III* 2366 0.4

Fe II 2600 1.8417

Fe II 2374 0.0

6800

7000

7200

7400

Observed Wavelength (\AA)

