

SDSS_J0820+0438_MJD55888

Rest Wavelength (\AA)

1000

1500

2000

2500

$z = 2.945$

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

40

30

20

10

0

4000

5000

6000

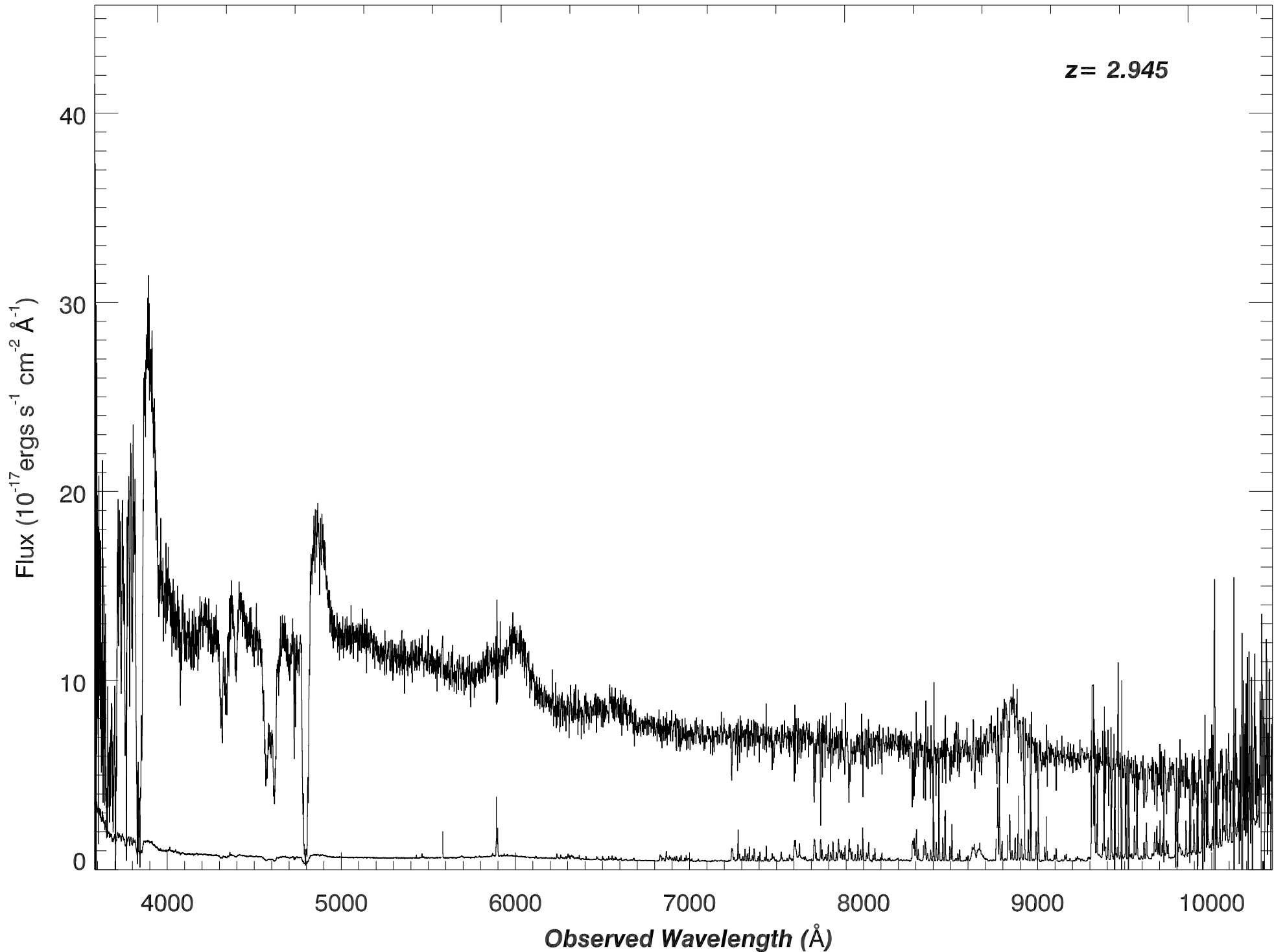
7000

8000

9000

10000

Observed Wavelength (\AA)



SDSS_J0820+0438_MJD55888

Rest Wavelength (Å)

950

1000

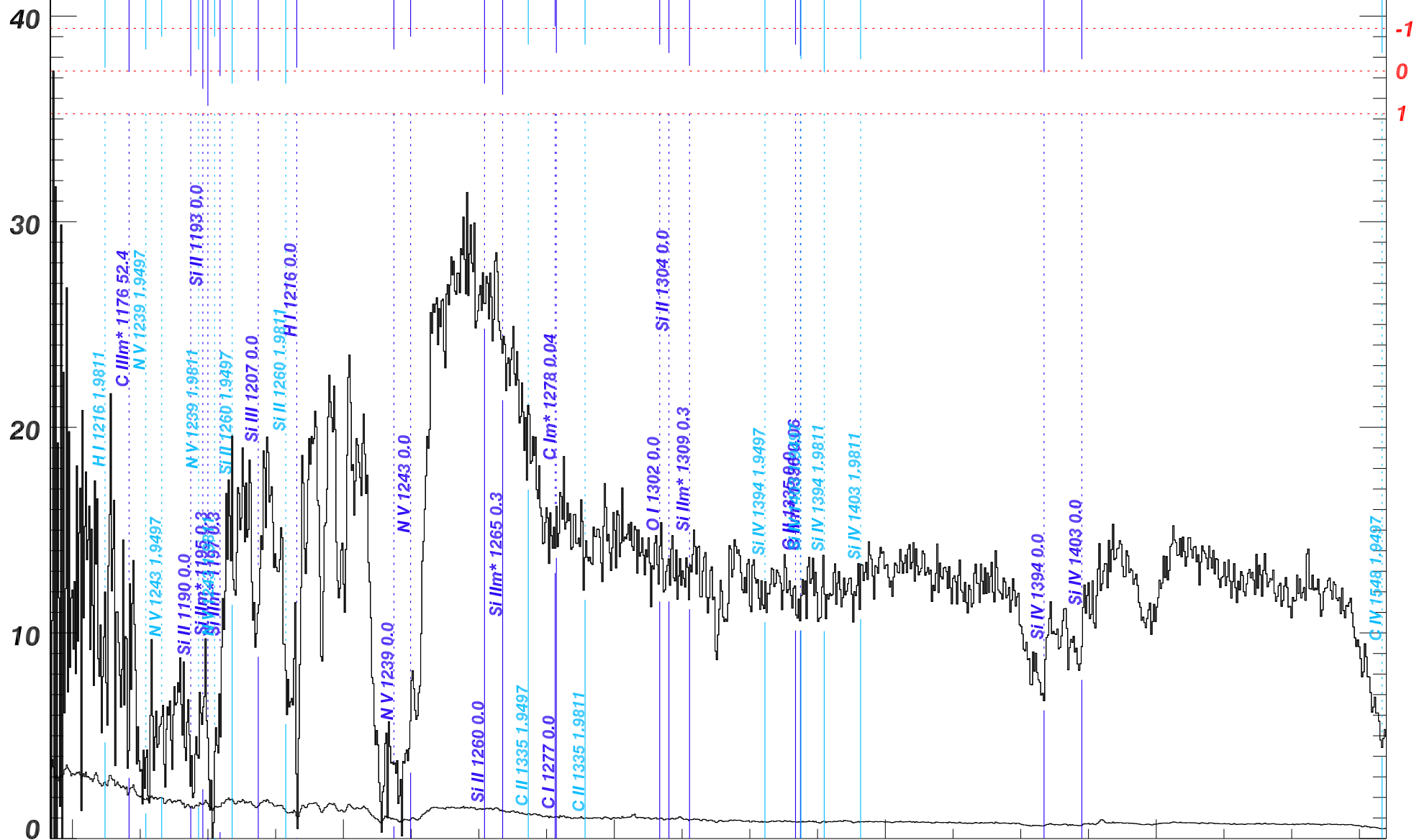
1050

1100

1150

$z = 2.945$
 $z = 2.6975$

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



3600

3800

4000

4200

4400

Observed Wavelength (Å)

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Rest Wavelength (\AA)

1150

1200

1250

1300

1350

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

20

15

10

5

0

-2

-1

0

1

$z = 2.945$
 $z = 2.0975$

C IV 1548 1.9497
C IV 1551 1.9497

C IV 1548 1.9811
C IV 1551 1.9811

Si II* 1527 0.0
Fe II 1608 1.9497
Si II* 1533 0.3

C IV 1548 0.0
Fe II 1608 1.9811
C IV 1551 0.0

C I 1560 0.0
C Im* 1561 0.04

Al II 1671 1.9497

Al II 1671 1.9811
Fe II 1608 0.0

C I 1657 0.0
C Im* 1657 0.04

Al II 1671 0.0

4600

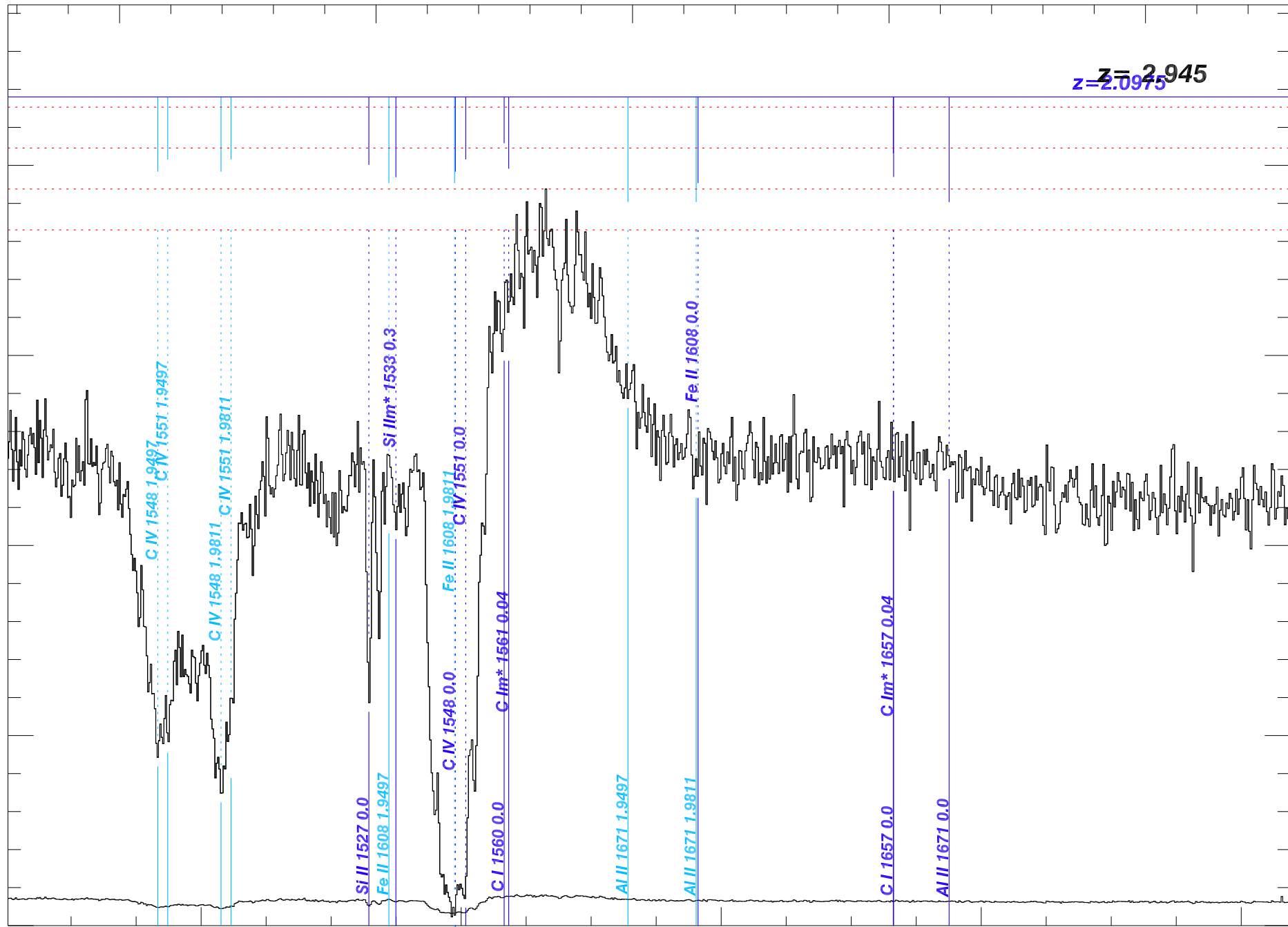
4800

5000

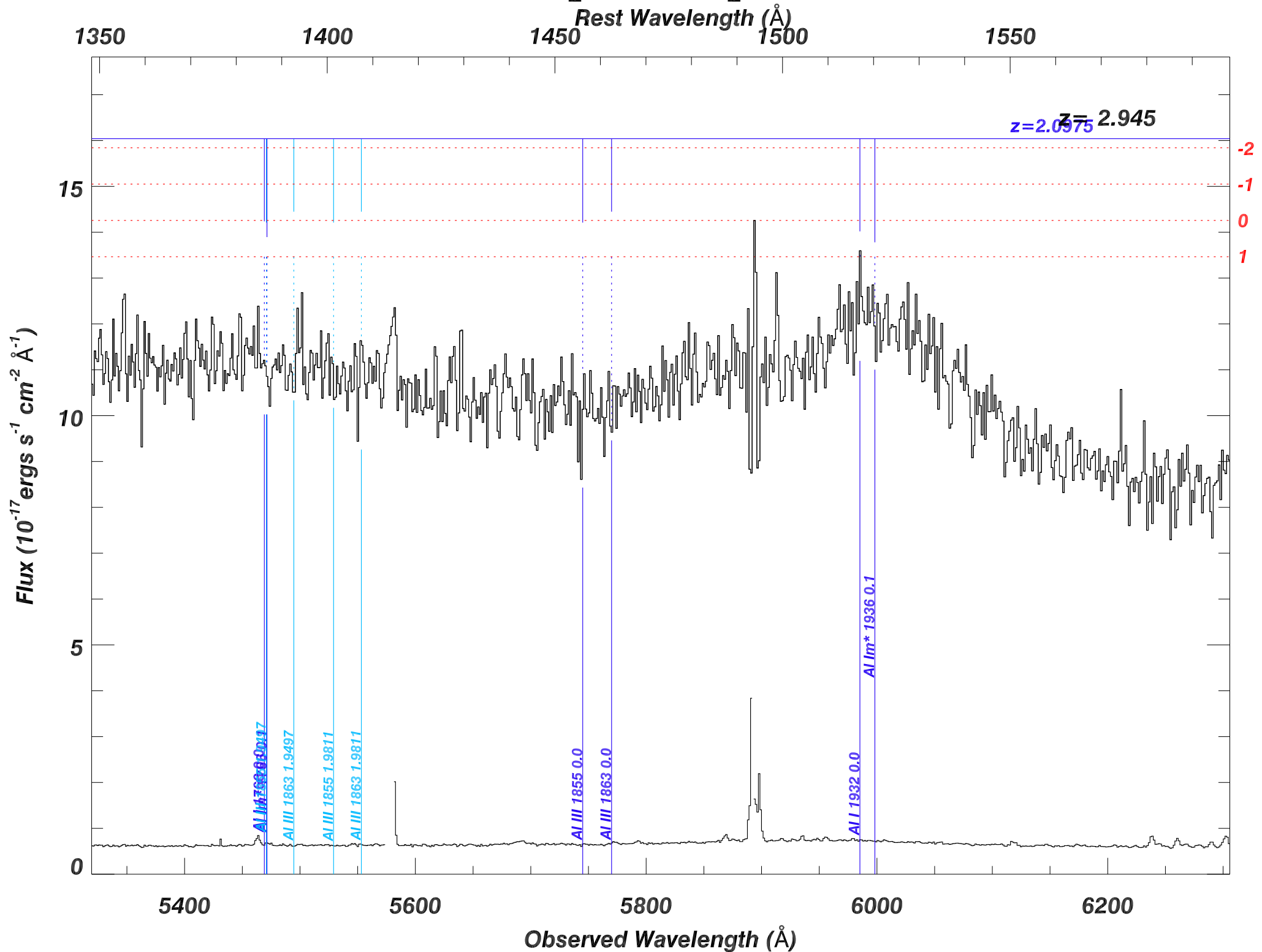
5200

5400

Observed Wavelength (\AA)



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SDSS_J0820+0438_MJD55888

Rest Wavelength (\AA)

1600

1650

1700

1750

1800

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

12

10

8

6

4

2

0

$z=2.0975$

$z= 2.945$

-2
-1
0
1

Fe II 2344 1.9497

Fe II 2344 1.9811

Fe II 2374 1.9497

Fe II 2383 1.9497

Fe II 2374 1.9811

Fe II 2383 1.9811

6200

6400

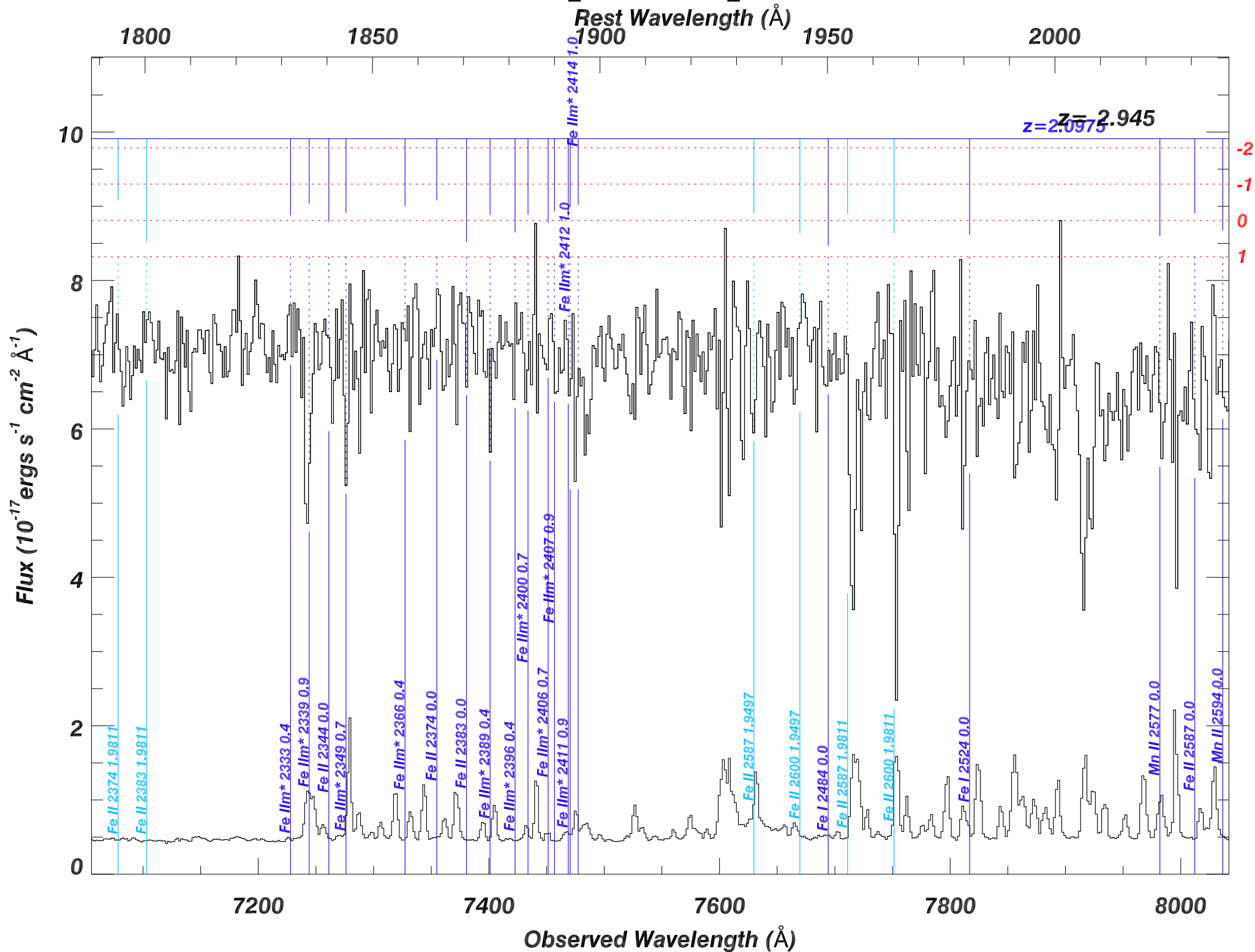
6600

6800

7000

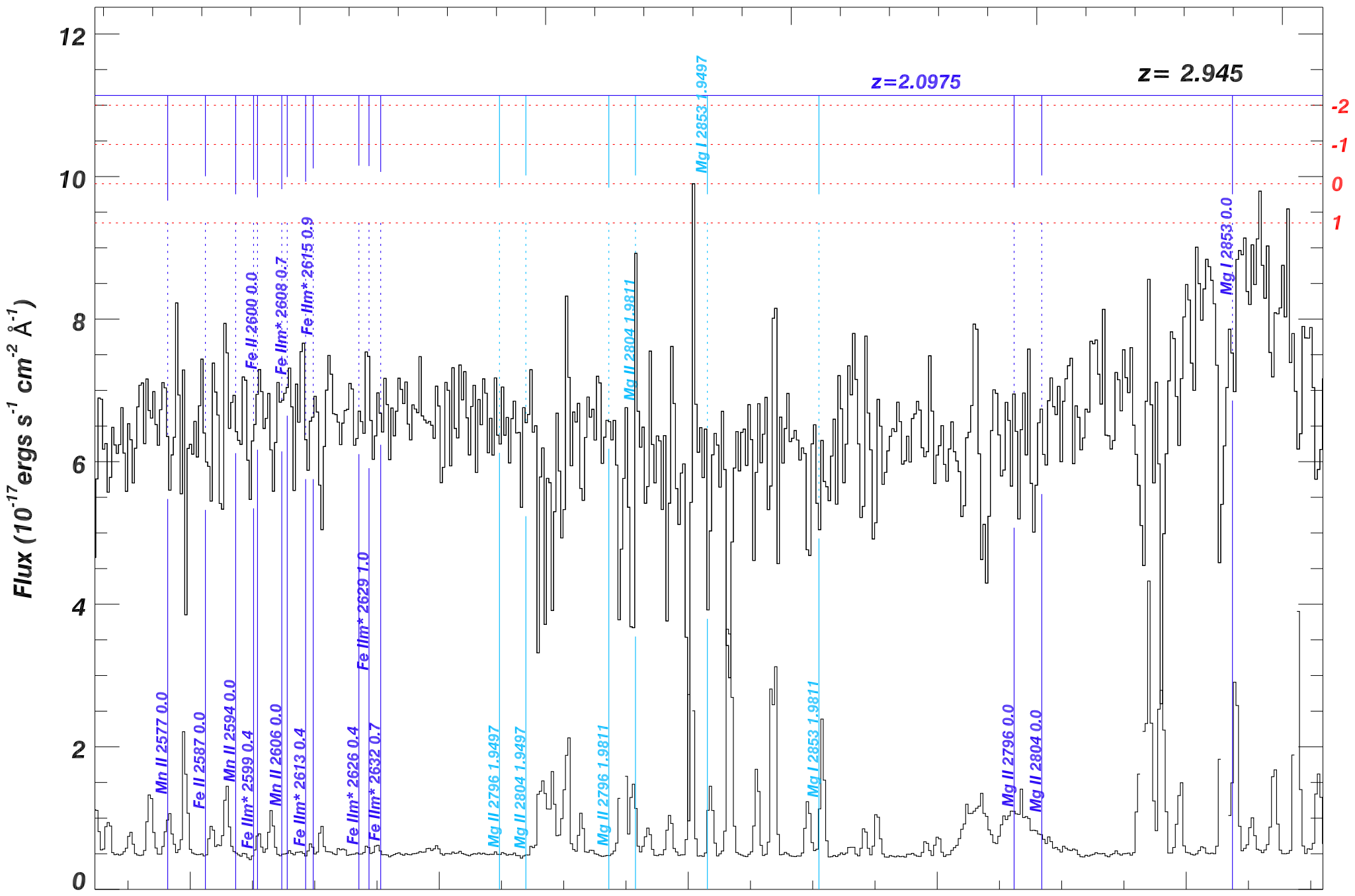
Observed Wavelength (\AA)

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Rest Wavelength (Å)



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

Observed Wavelength (Å)

2050

2100

2150

2200

2250

$z = 2.0975$

$z = 2.945$

-2
-1
0
1

SDSS_J0820+0438_MJD55888

Rest Wavelength (\AA)

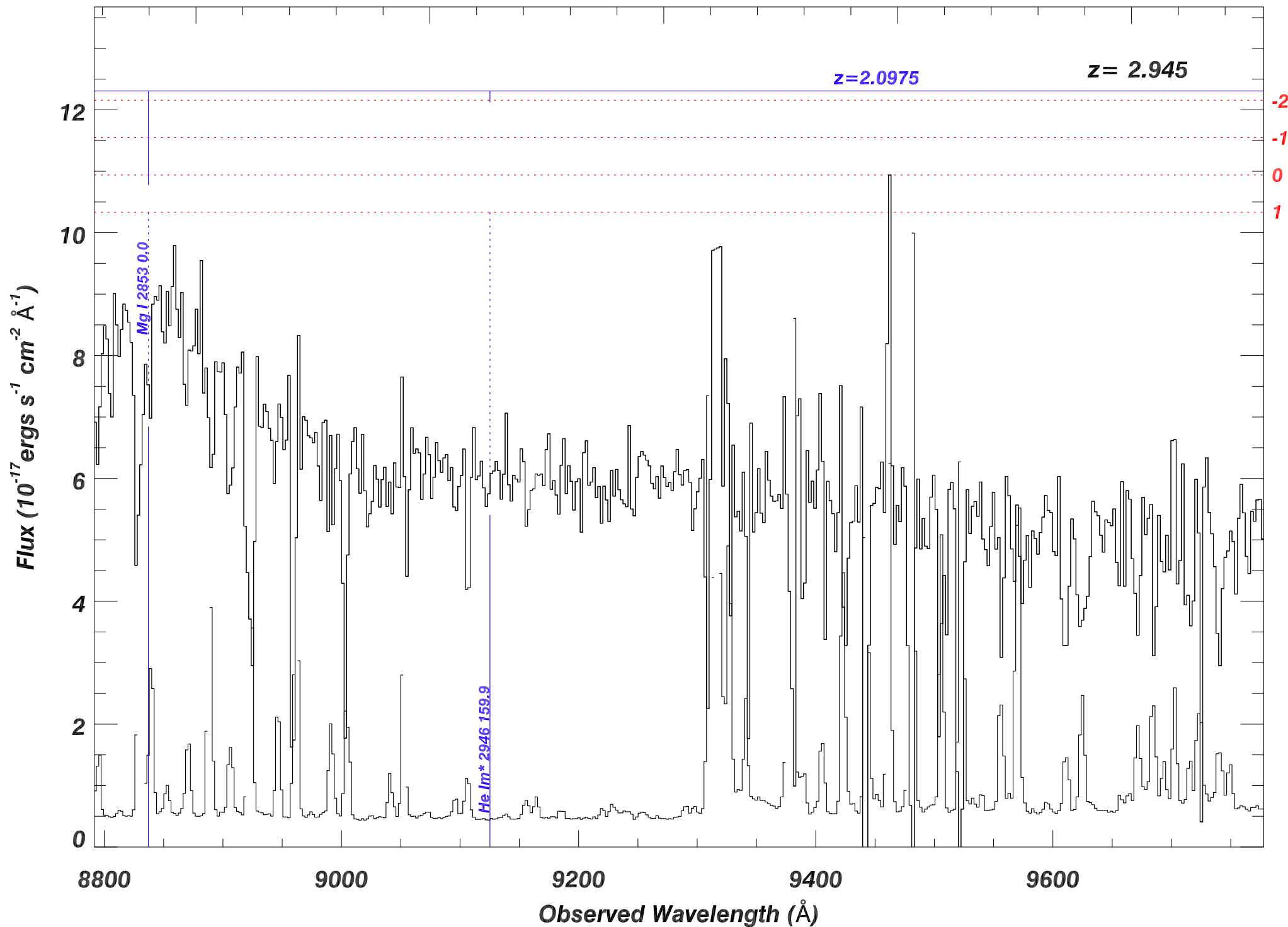
2250

2300

2350

2400

2450



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