

SDSS_J1122+1645_MJD56037

Rest Wavelength (\AA)

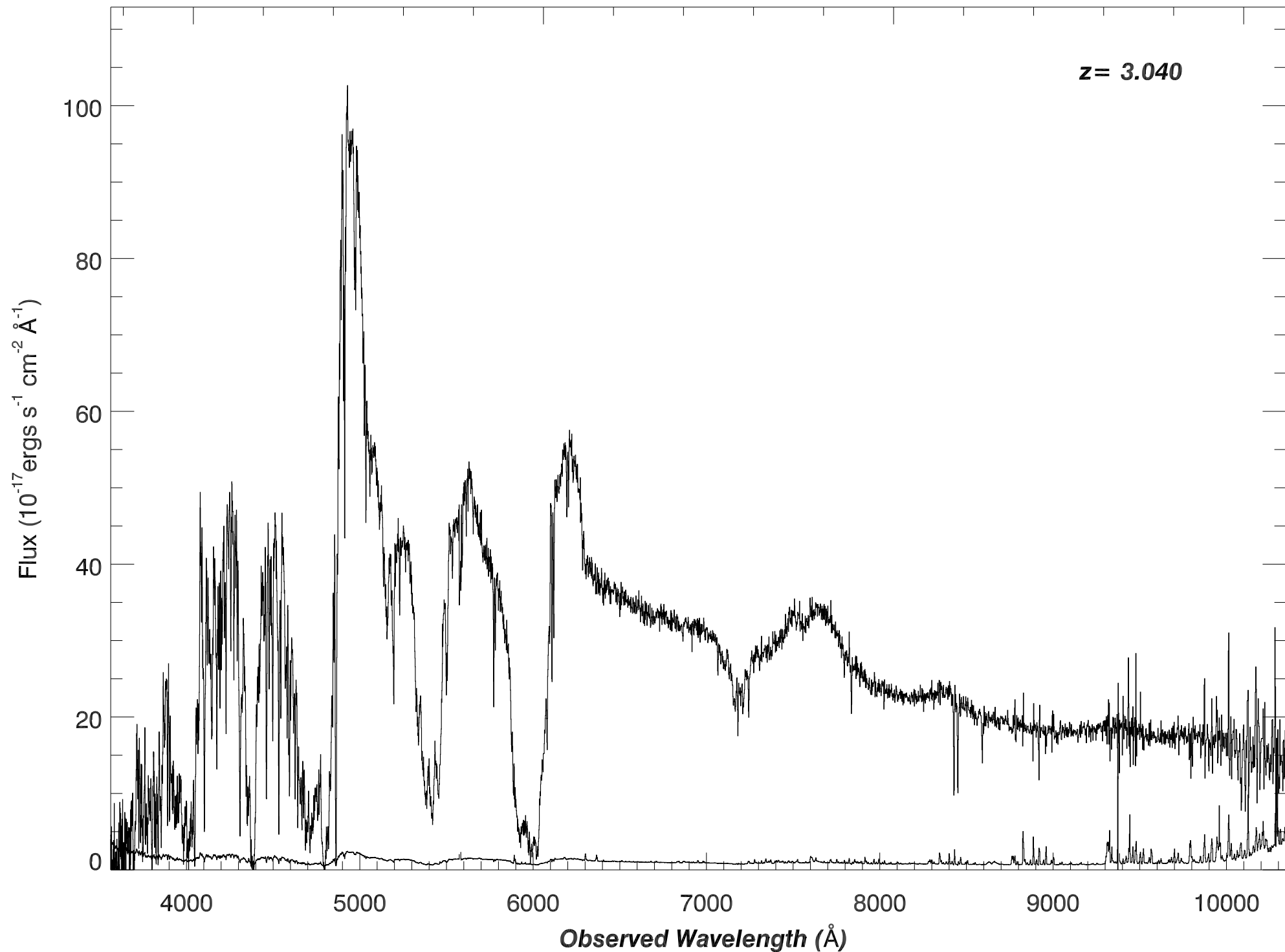
1000

1500

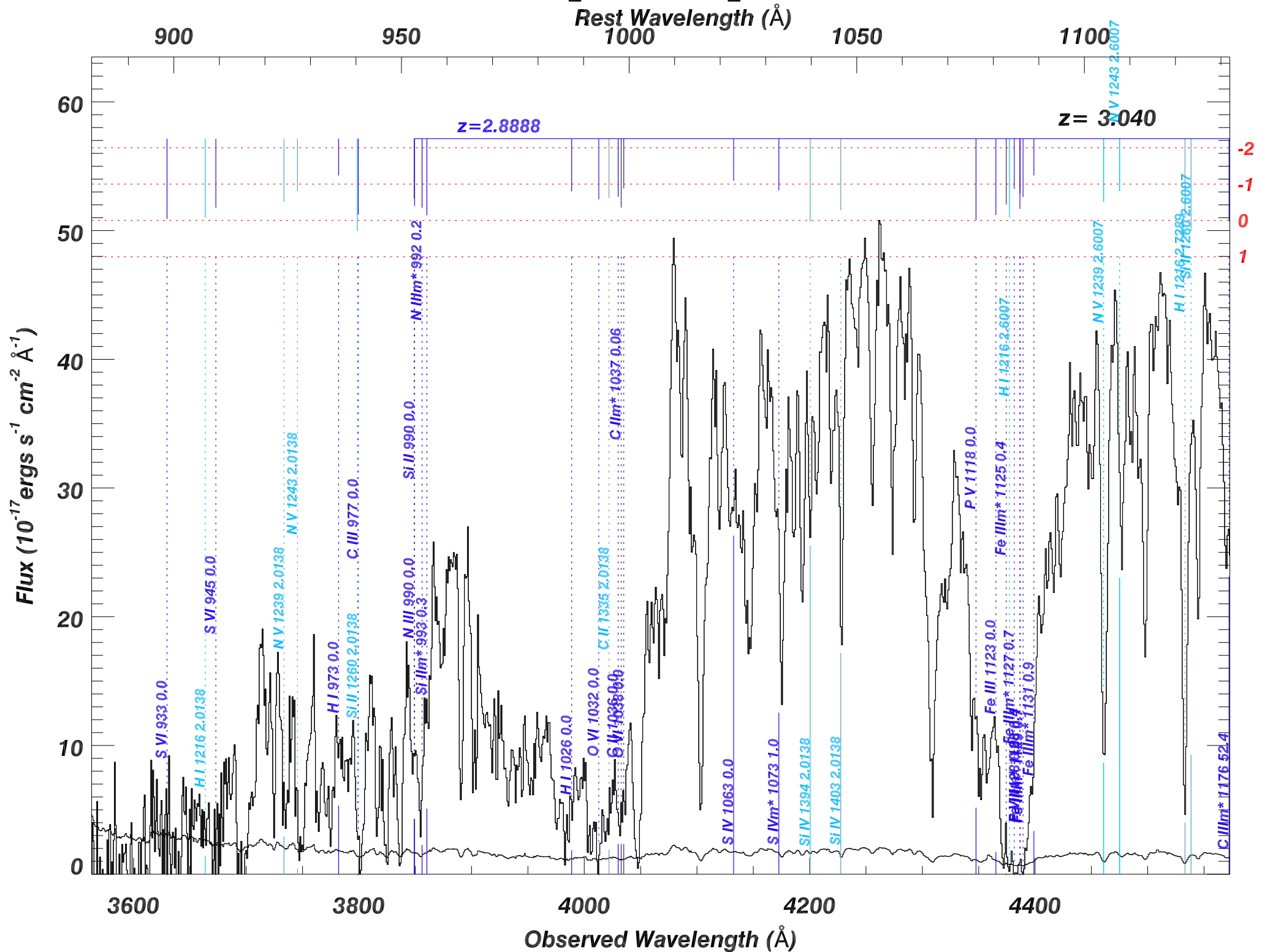
2000

2500

$z = 3.040$



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Rest Wavelength (\AA)

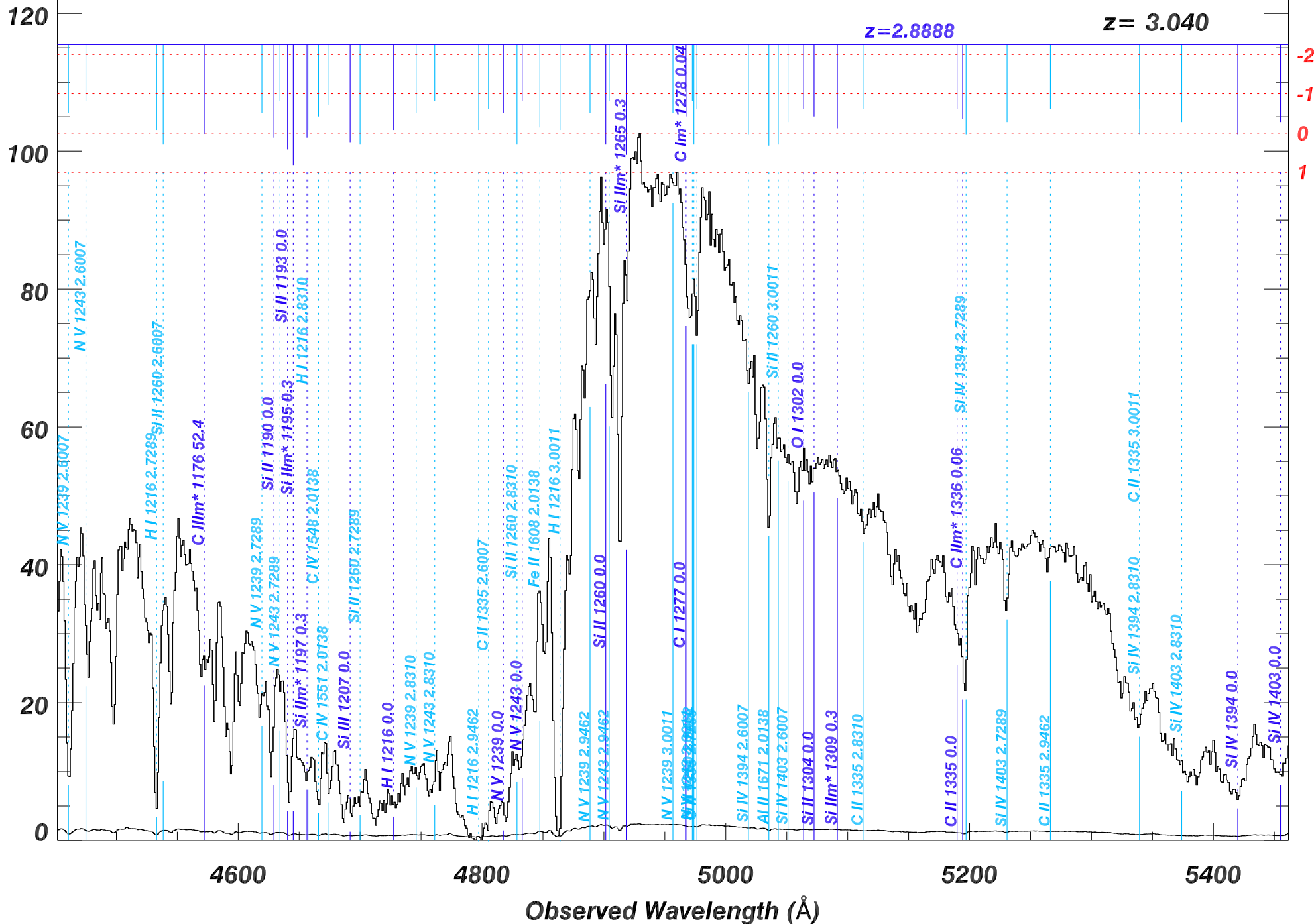
1150

1200

1250

1300

1350



SDSS_J1122+1645_MJD56037

Rest Wavelength (\AA)

1350

1400

1450

1500

1550

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

60

40

20

0

-2

-1

0

1

 $z=2.8888$ $z=3.040$

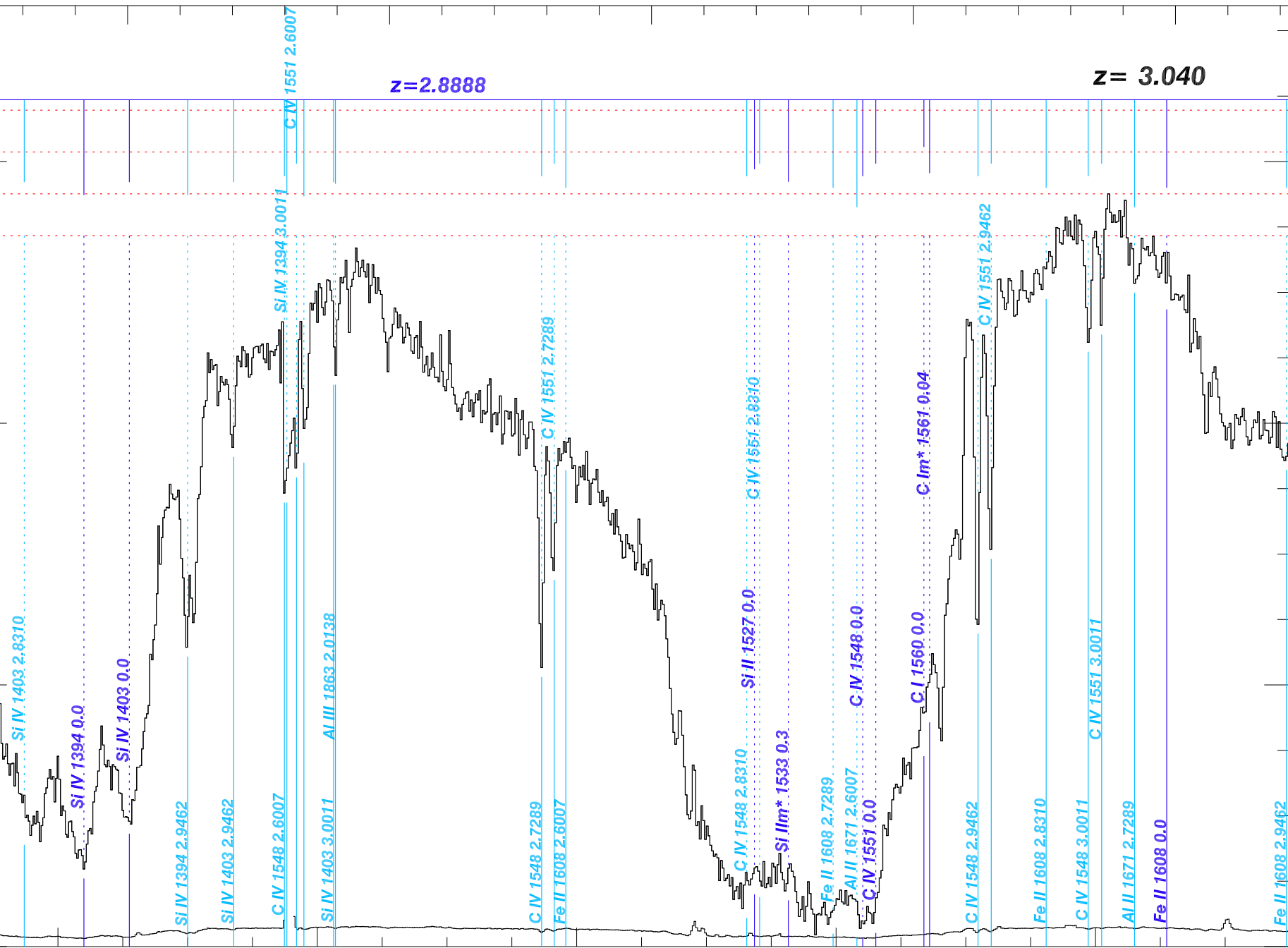
5400

5600

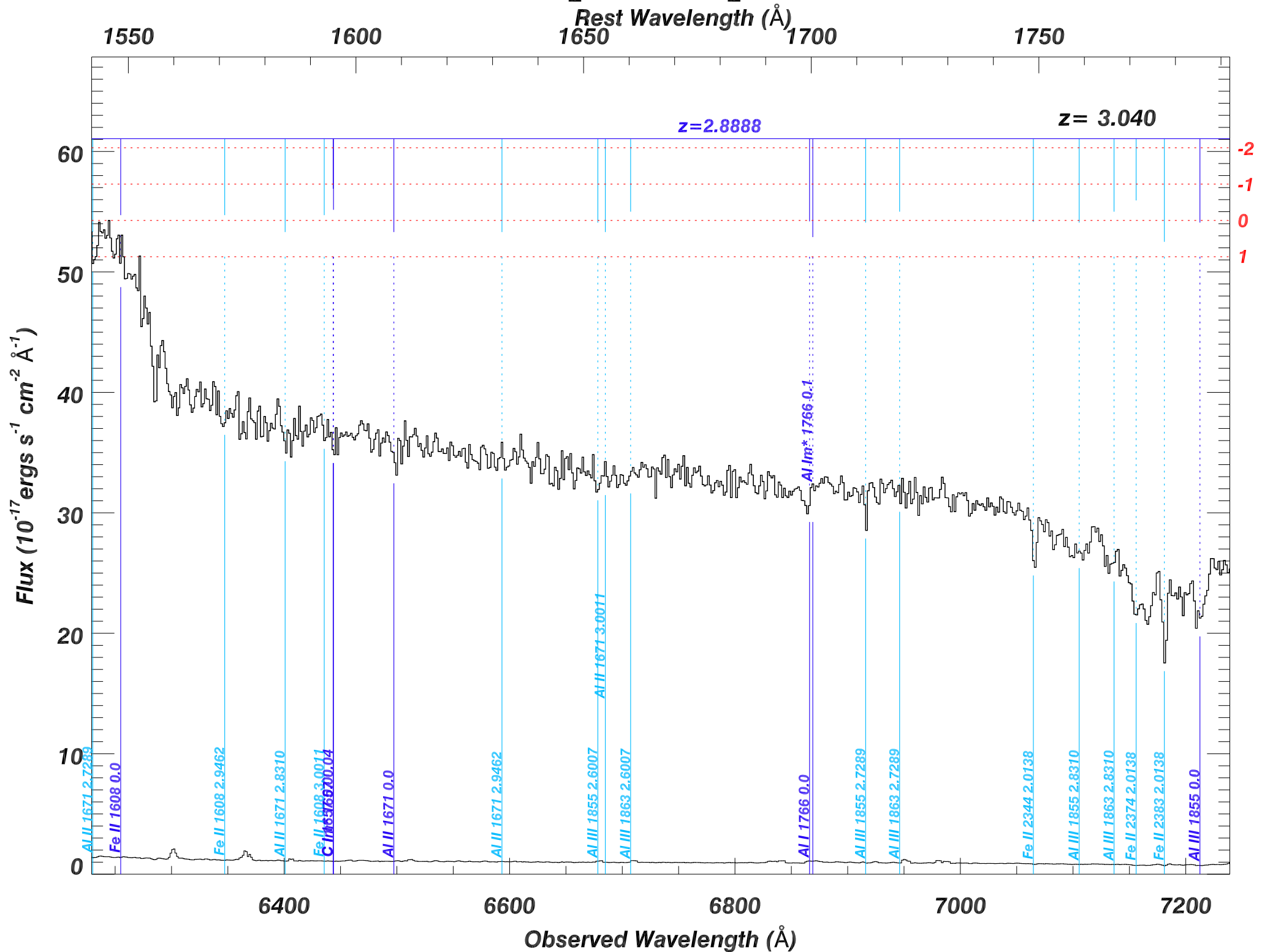
5800

6000

6200

Observed Wavelength (\AA)

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Rest Wavelength (\AA)

1800

1850

1900

1950

2000

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

40

30

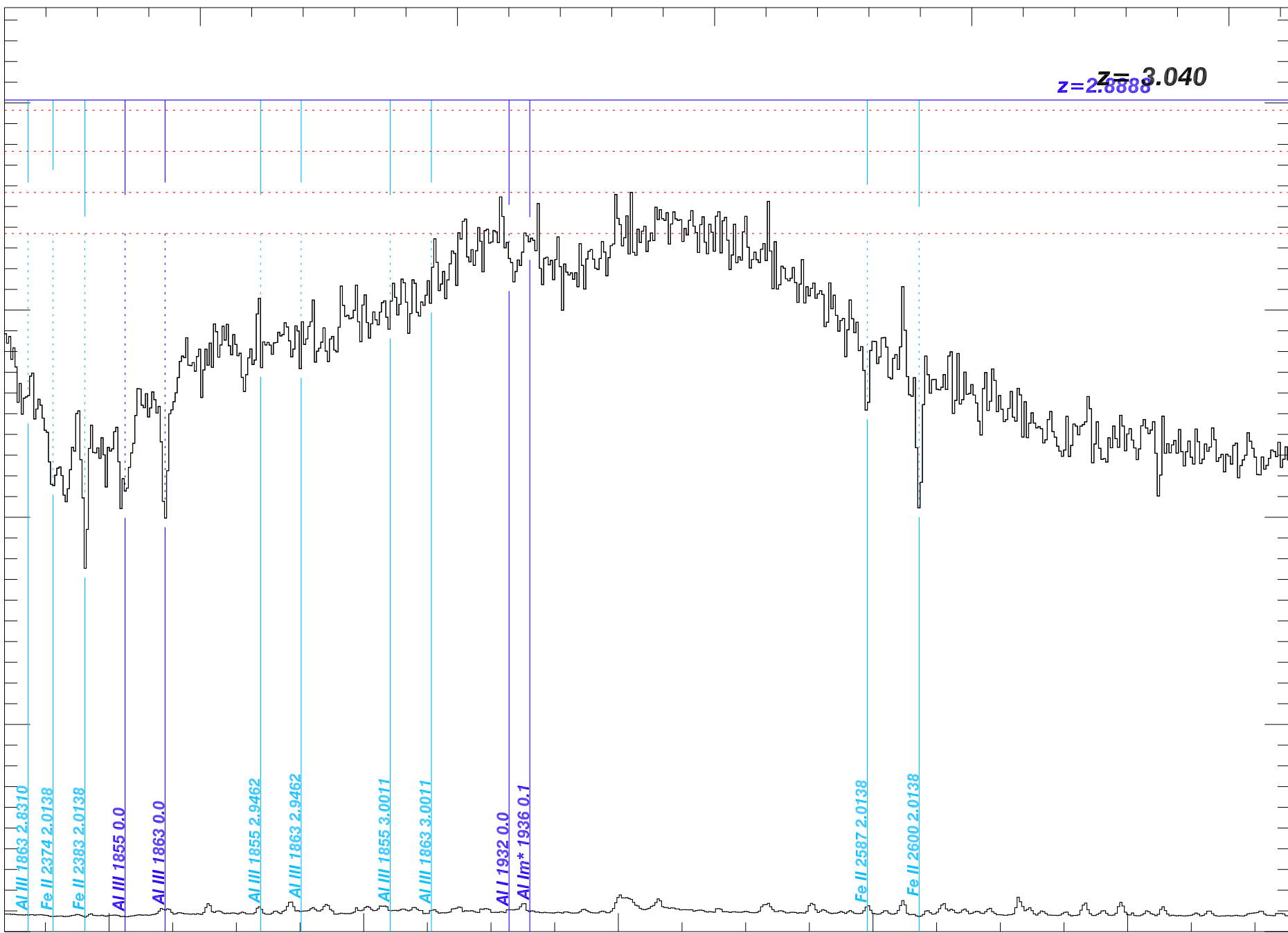
20

10

0

$z=2.888$
 $z=3.040$

-2
-1
0
1



7200

7400

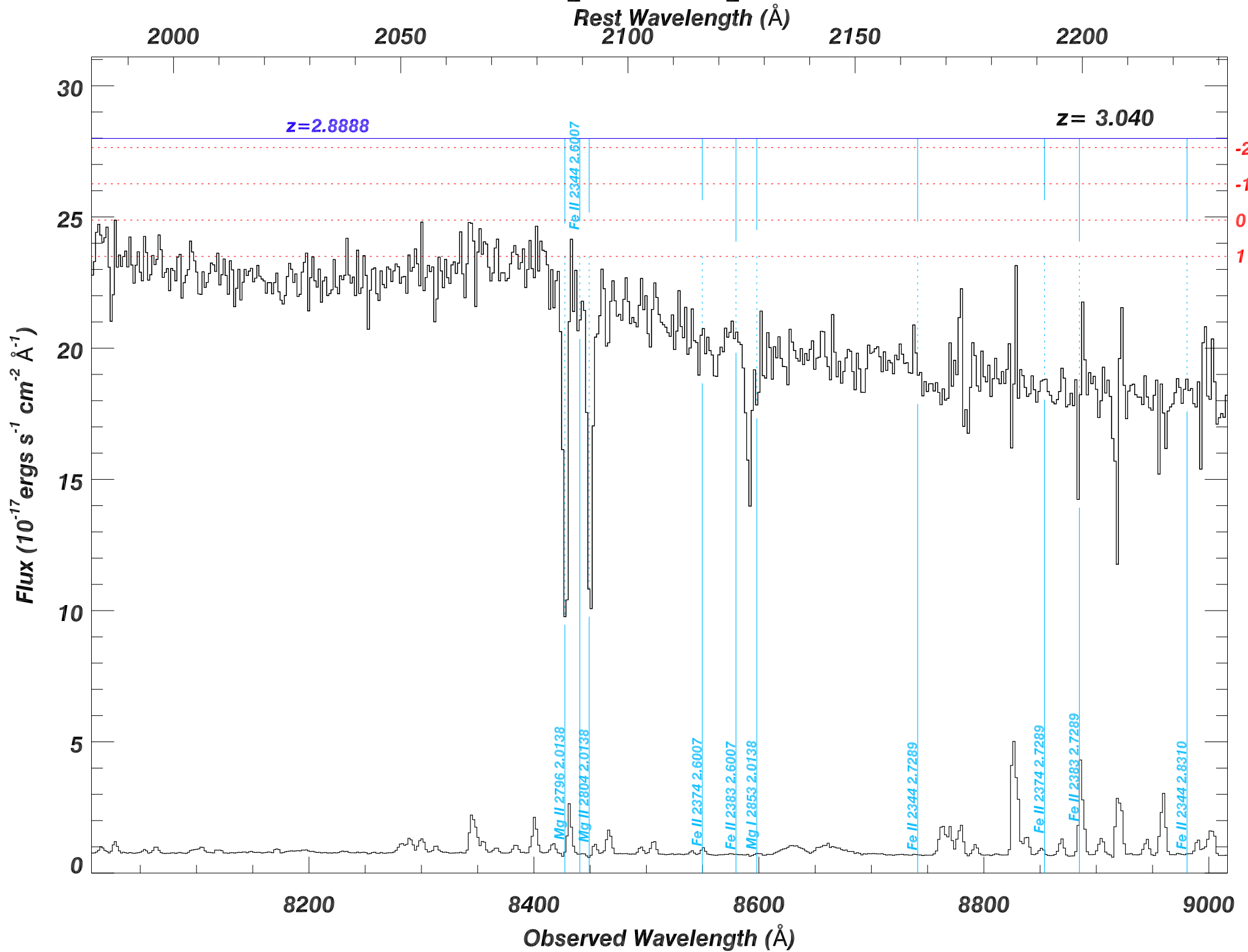
7600

7800

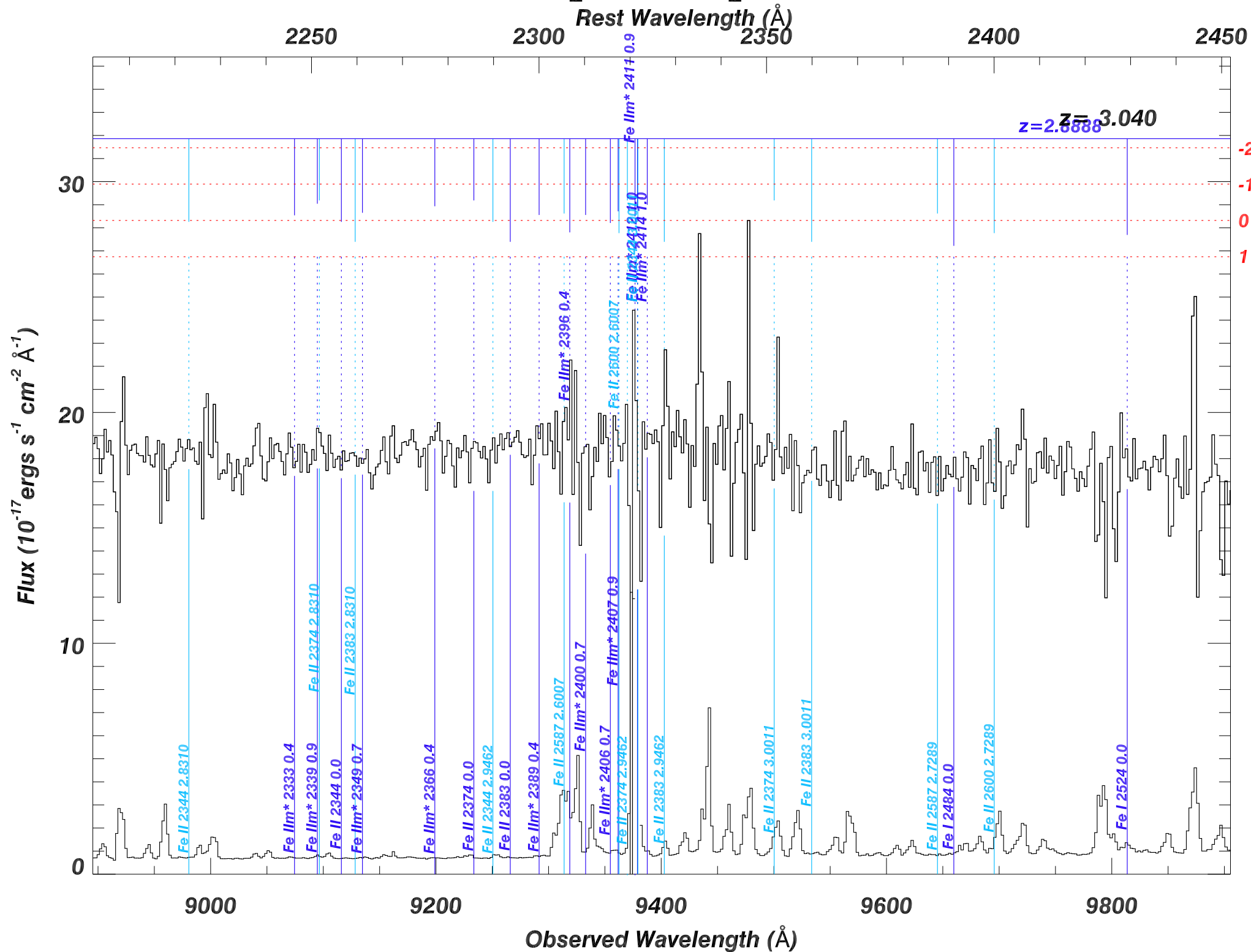
8000

Observed Wavelength (\AA)

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SDSS_J1122+1645_MJD56037

Rest Wavelength (\AA)

2450

2500

2550

2600

2650

$z=2.8888$

$z=3.040$

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

30

20

10

0

-2

-1

0

1

9.80×10^3

1.00×10^4

1.02×10^4

1.04×10^4

1.06×10^4

Observed Wavelength (\AA)

Fe I 2524 0.0

Fe II 2587 2.8310

Fe II 2600 2.8310

Fe II 2587 0.0

Mg II 2796 2.6007

Mn II 2594 0.0

Mg II 2804 2.6007

Fe II 2600 0.0

Fe II 2599 0.4

Mn II 2606 0.7

Fe II 2608 0.7

Fe II 2613 0.4

Fe II 2615 0.9

Fe II 2626 0.4

Fe II 2587 2.9462

Fe II 2629 1.0

Fe II 2600 2.9462

Fe II 2632 0.7

Mg I 2853 2.6007

Mn II 2577 0.0