

SDSS_J0040+0055_MJD55186

Rest Wavelength (\AA)

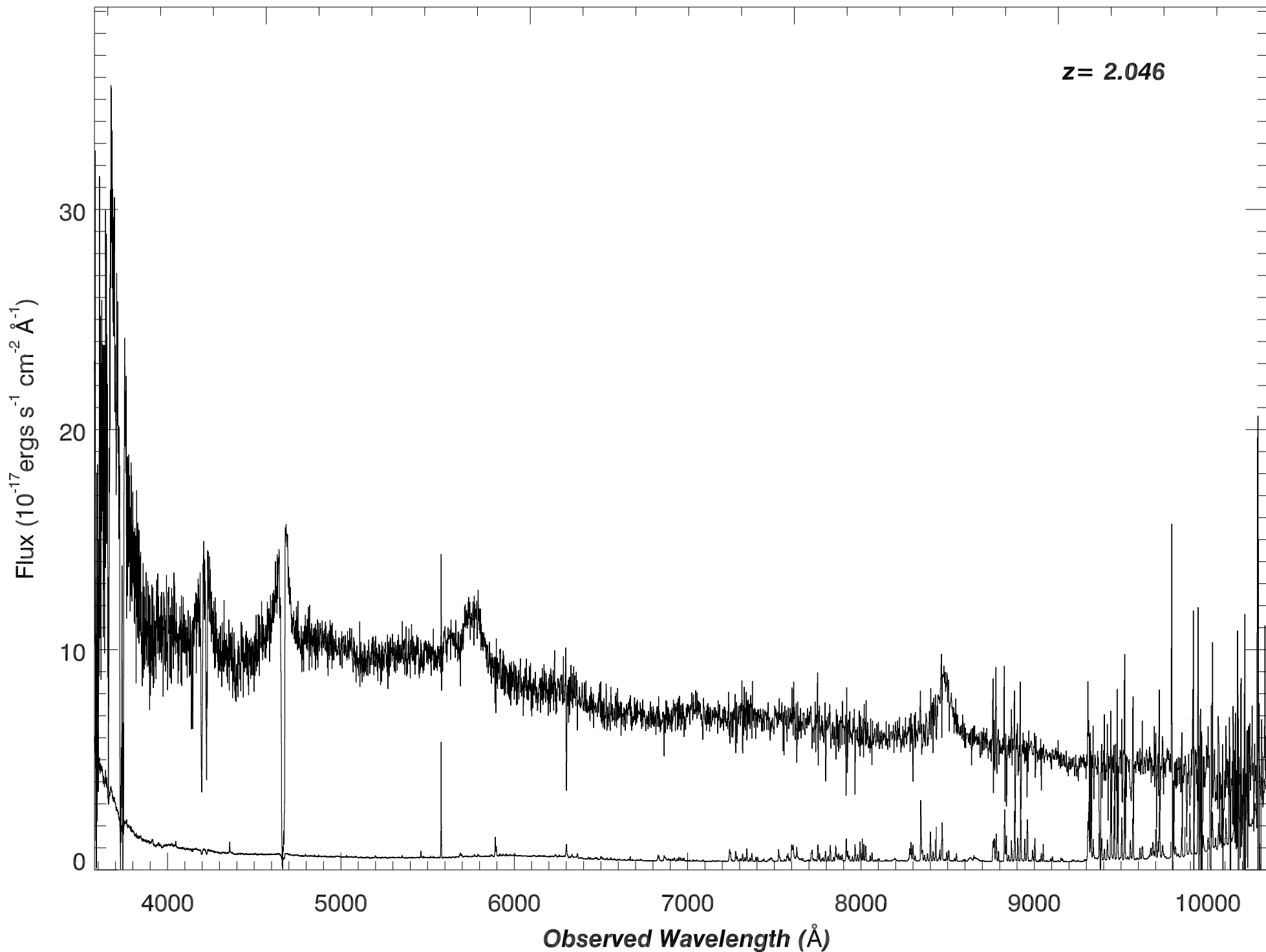
1500

2000

2500

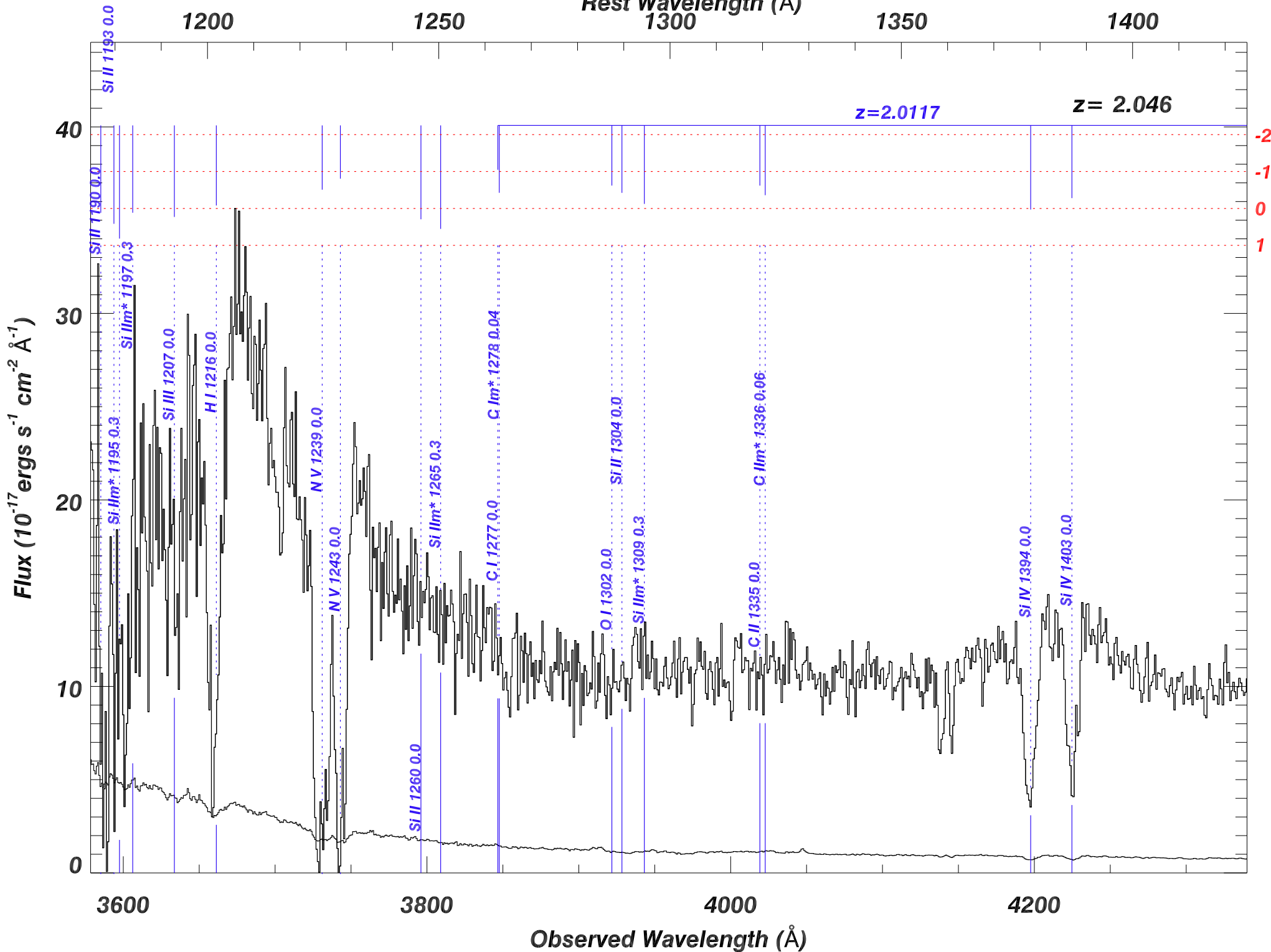
3000

$z = 2.046$

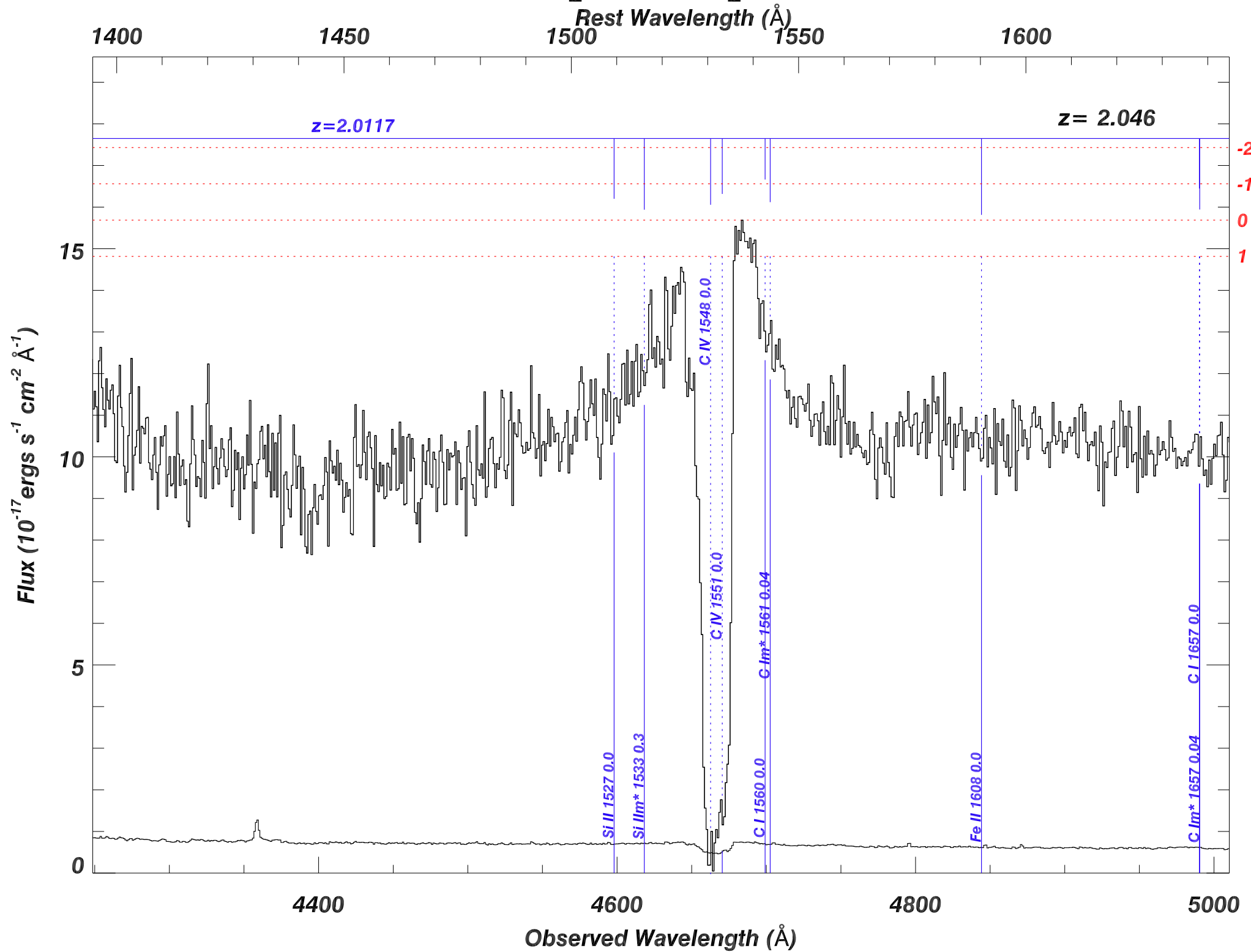


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Rest Wavelength (\AA)



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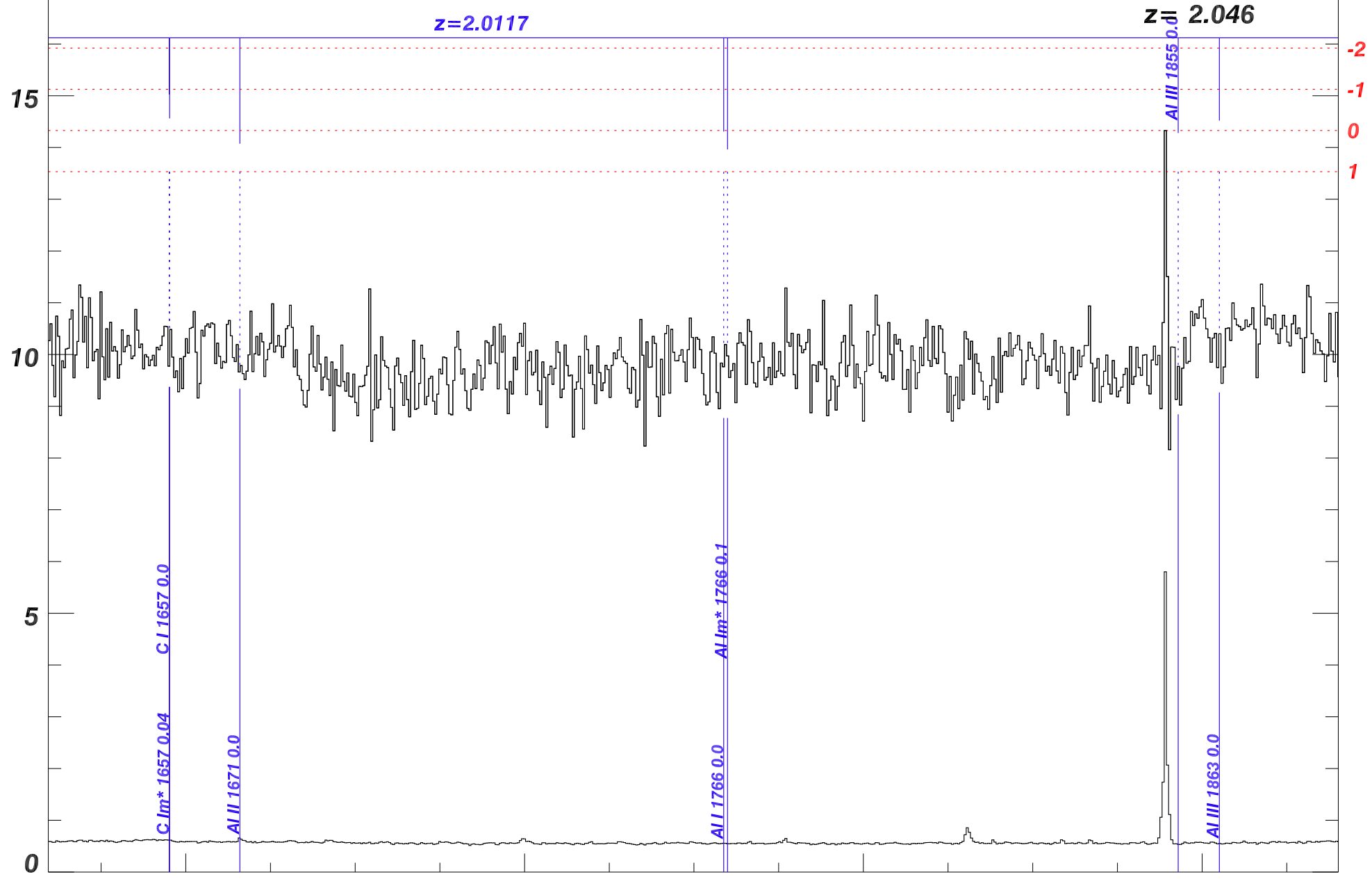


SDSS_J0040+0055_MJD55186

Rest Wavelength (\AA)

1650 1700 1750 1800 1850

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



5000 5200 5400 5600

Observed Wavelength (\AA)

SDSS_J0040+0055_MJD55186

Rest Wavelength (\AA)

1850

1900

1950

2000

2050

15

$z=2.0117$

$z=2.046$

-2

-1

0

1

10

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

5

0

5600

5800

6000

6200

Observed Wavelength (\AA)

Al III 1863 0.0

Al I 1932 0.0

Al Im* 1936 0.1

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Rest Wavelength (\AA)

2100

2150

2200

2250

2300

$z = 2.046$

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

12

10

8

6

4

2

0

-2

-1

0

1

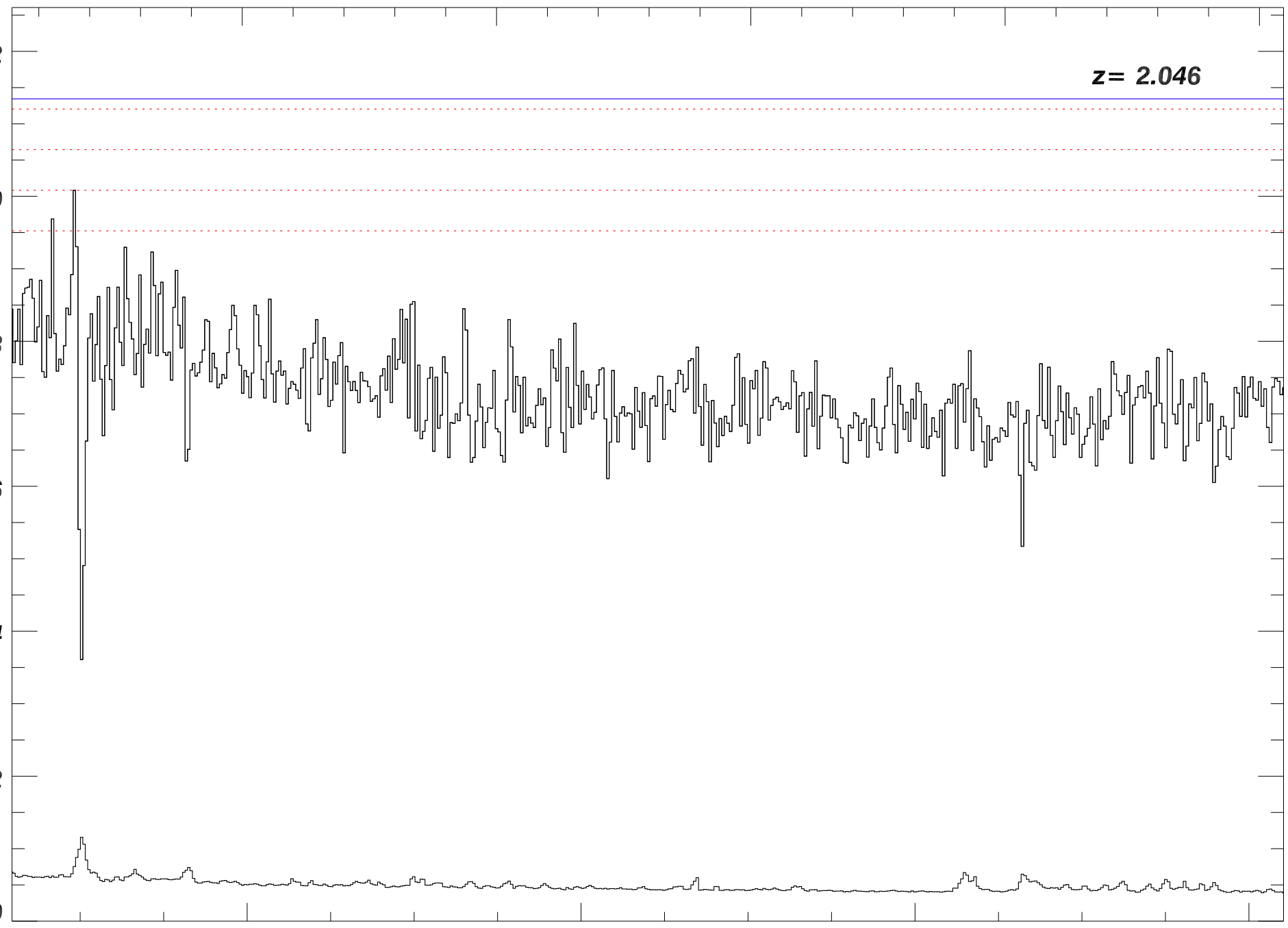
6400

6600

6800

7000

Observed Wavelength (\AA)



SDSS_J0040+0055_MJD55186

Rest Wavelength (\AA)

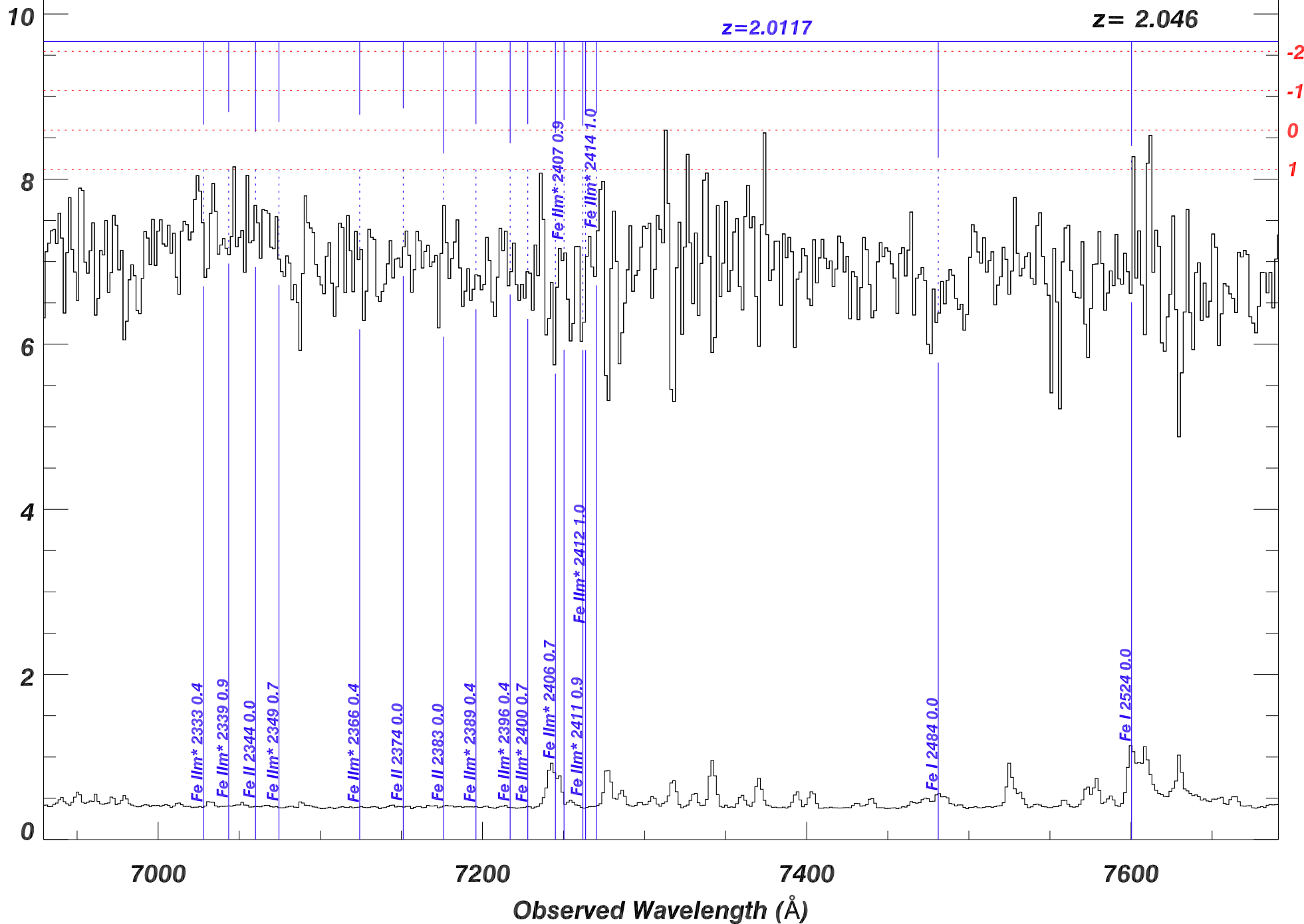
2300

2350

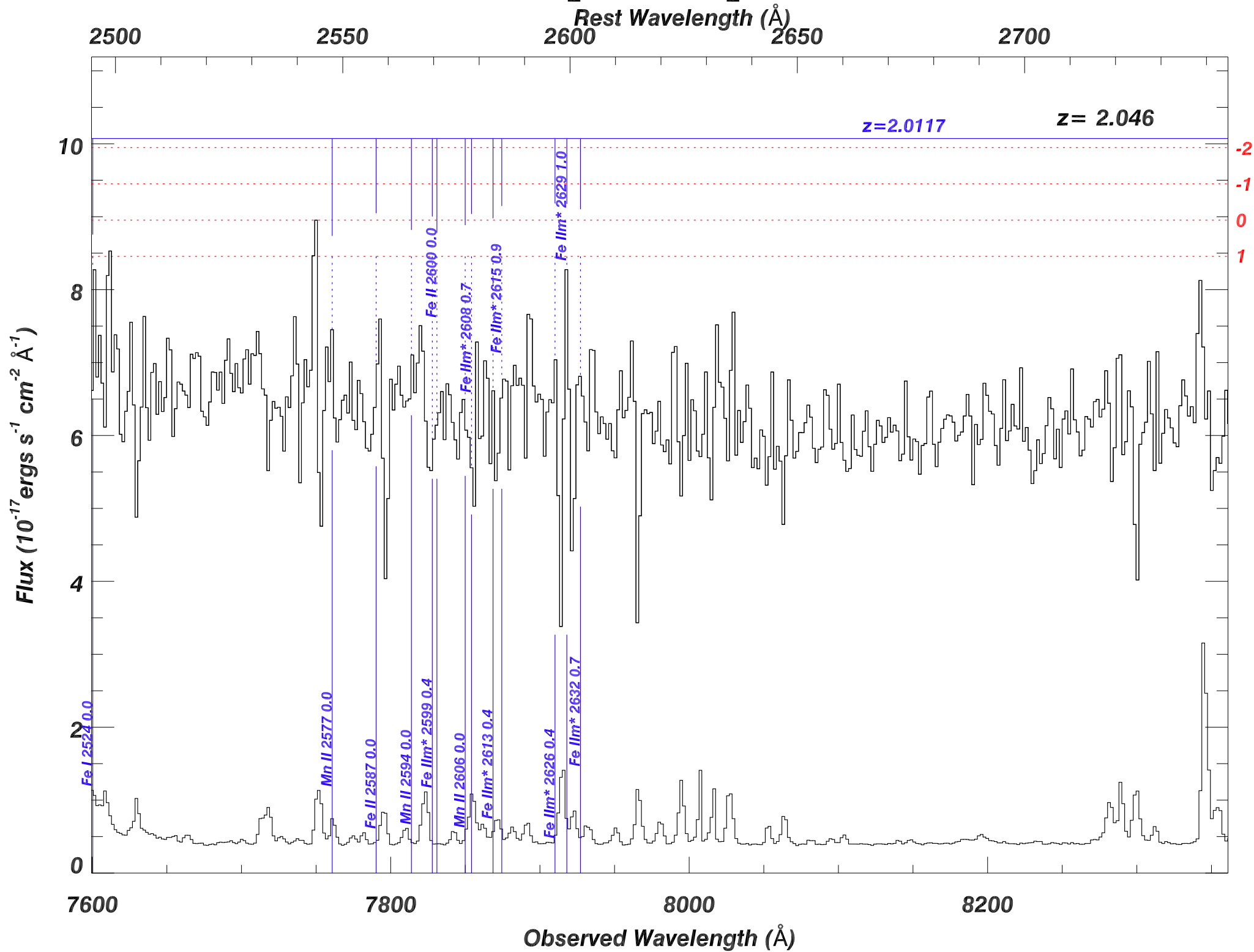
2400

2450

2500



SDSS_J0040+0055_MJD55186



SDSS_J0040+0055_MJD55186

Rest Wavelength (\AA)

2750

2800

2850

2900

2950

$z=2.0117$

$z=2.046$

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

12
10
8
6
4
2
0

-2
-1
0
1

Mg II 2796 0.0

Mg II 2804 0.0

Mg I 2853 0.0

He I m* 2946 159.9

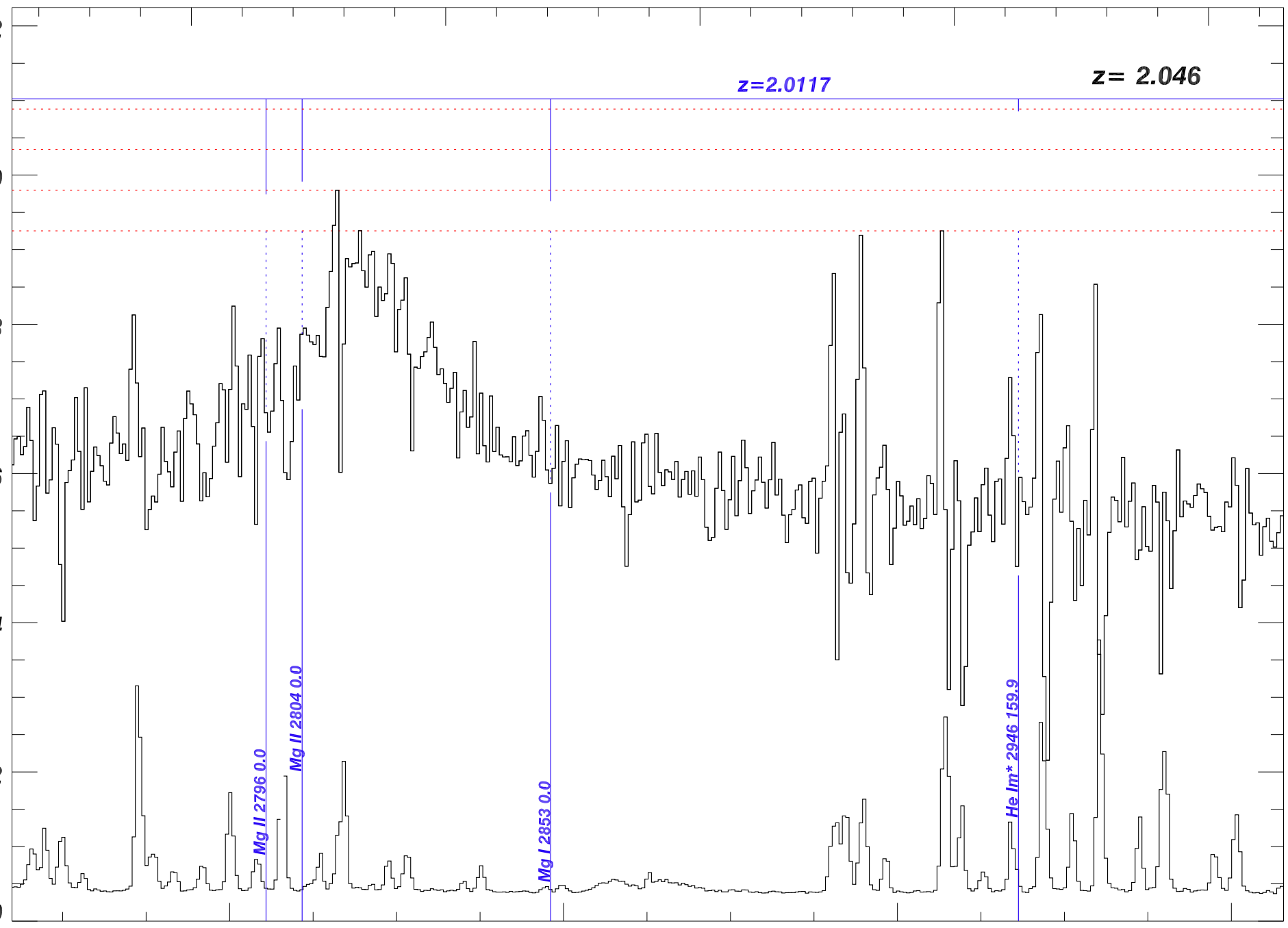
8400

8600

8800

9000

Observed Wavelength (\AA)



SDSS_J0040+0055_MJD55186

Rest Wavelength (\AA)

2950

3000

3050

3100

3150

$z=2.0117$

$z = 2.046$

-2
-1
0
1

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

12

10

8

6

4

2

0

9000

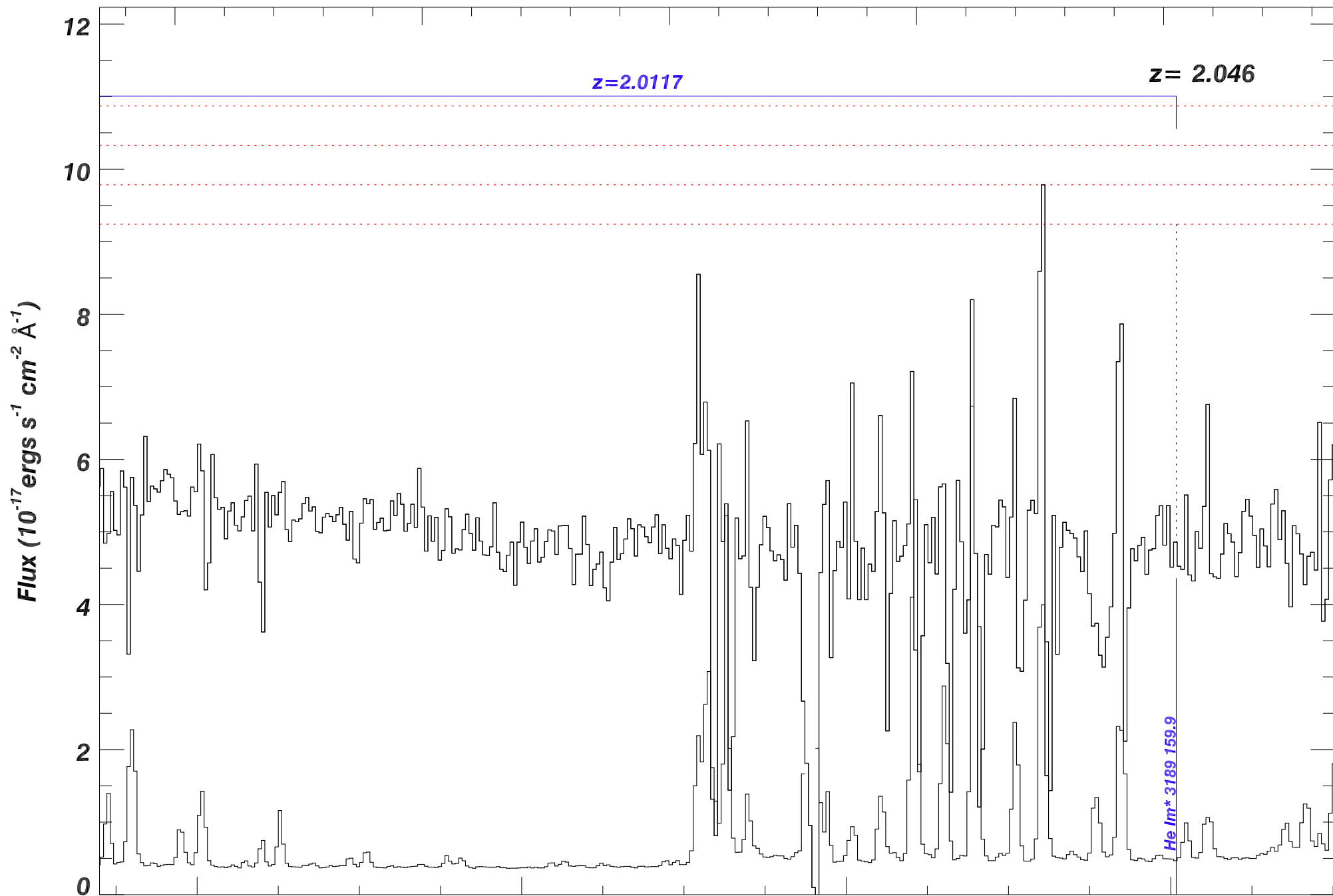
9200

9400

9600

Observed Wavelength (\AA)

He I λ 3189.159.9



SDSS_J0040+0055_MJD55186

Rest Wavelength (Å)

3200

3300

3400

3500

z = 2.046

Flux (10⁻¹⁷ ergs s⁻¹ cm⁻² Å⁻¹)

20

15

10

5

0

-2

-1

0

1

9.80 × 10³

1.00 × 10⁴

1.02 × 10⁴

1.04 × 10⁴

1.06 × 10⁴

1.08 × 10⁴

Observed Wavelength (Å)

