

SDSS_J1309+0119_MJD52295

Rest Wavelength (Å)

2500

3000

3500

4000

4500

5000

5500

$z = 0.5468$

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

80

60

40

20

0

4000

5000

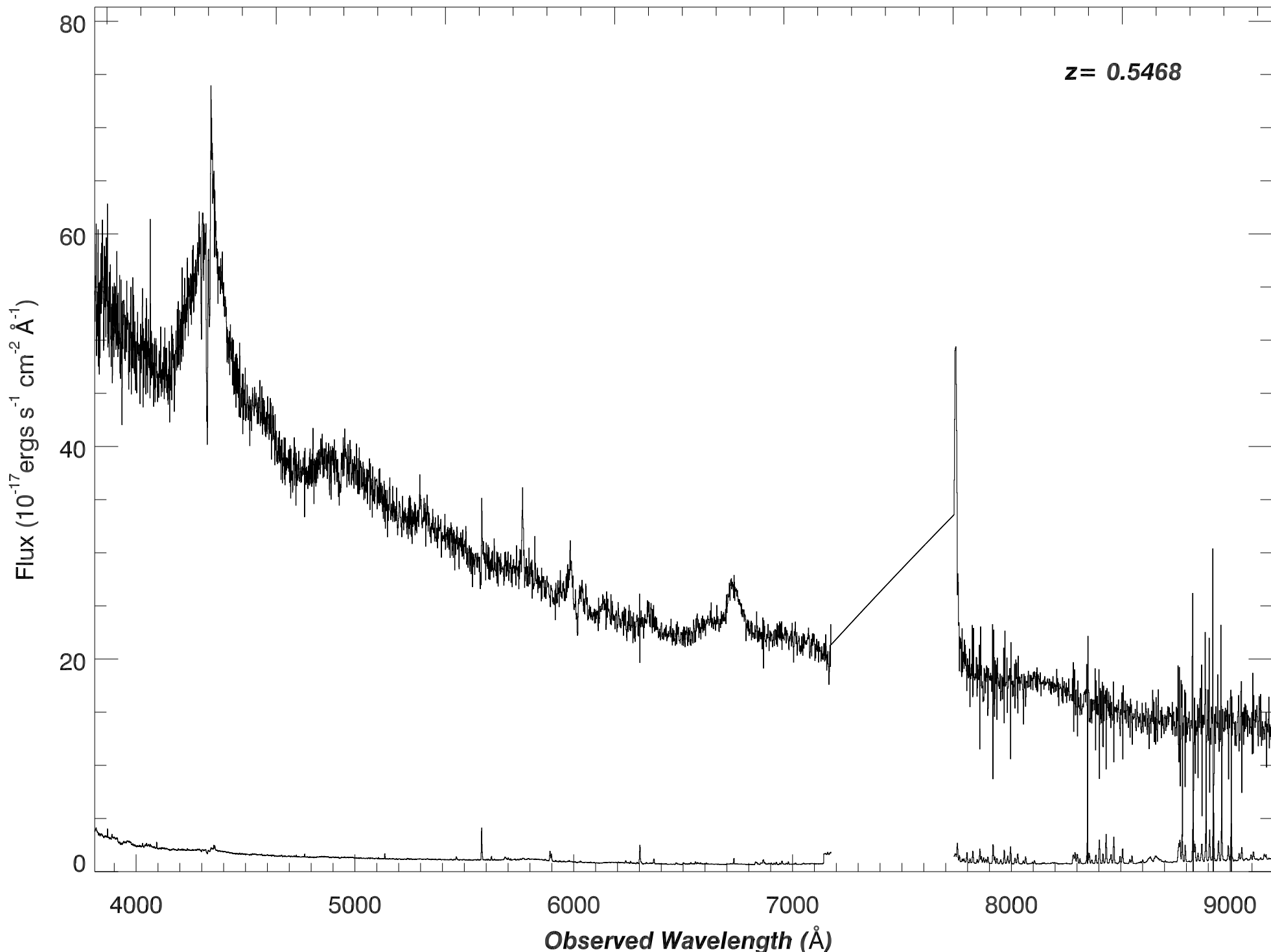
6000

7000

8000

9000

Observed Wavelength (Å)



SDSS_J1309+0119_MJD52295

Rest Wavelength (\AA)

2500

2550

2600

2650

2700

$z = 0.5467$
 $z = 0.5468$

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

60

40

20

0

-2
-1
0
1

Fe I 2484 0.0

Fe I 2524 0.0

Mn II 2577 0.0

Fe II 2587 0.0

Mn II 2594 0.0

Fe II* 2599 0.4

Fe II 2600 0.0

Mn II 2606 0.0

Fe II* 2608 0.7

Fe II* 2613 0.4

Fe II* 2615 0.9

Fe II* 2626 0.4

Fe II* 2629 1.0

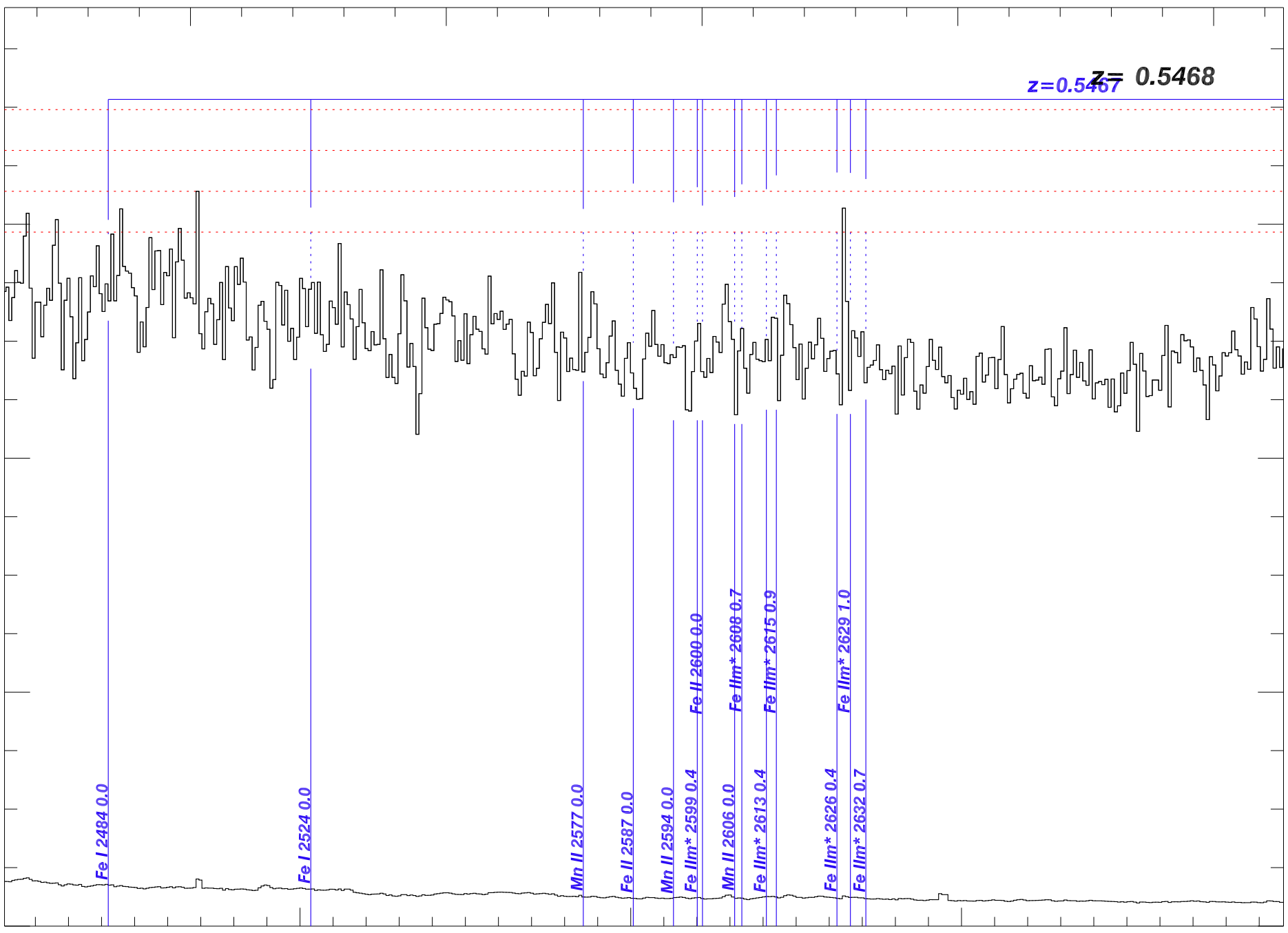
Fe II* 2632 0.7

3900

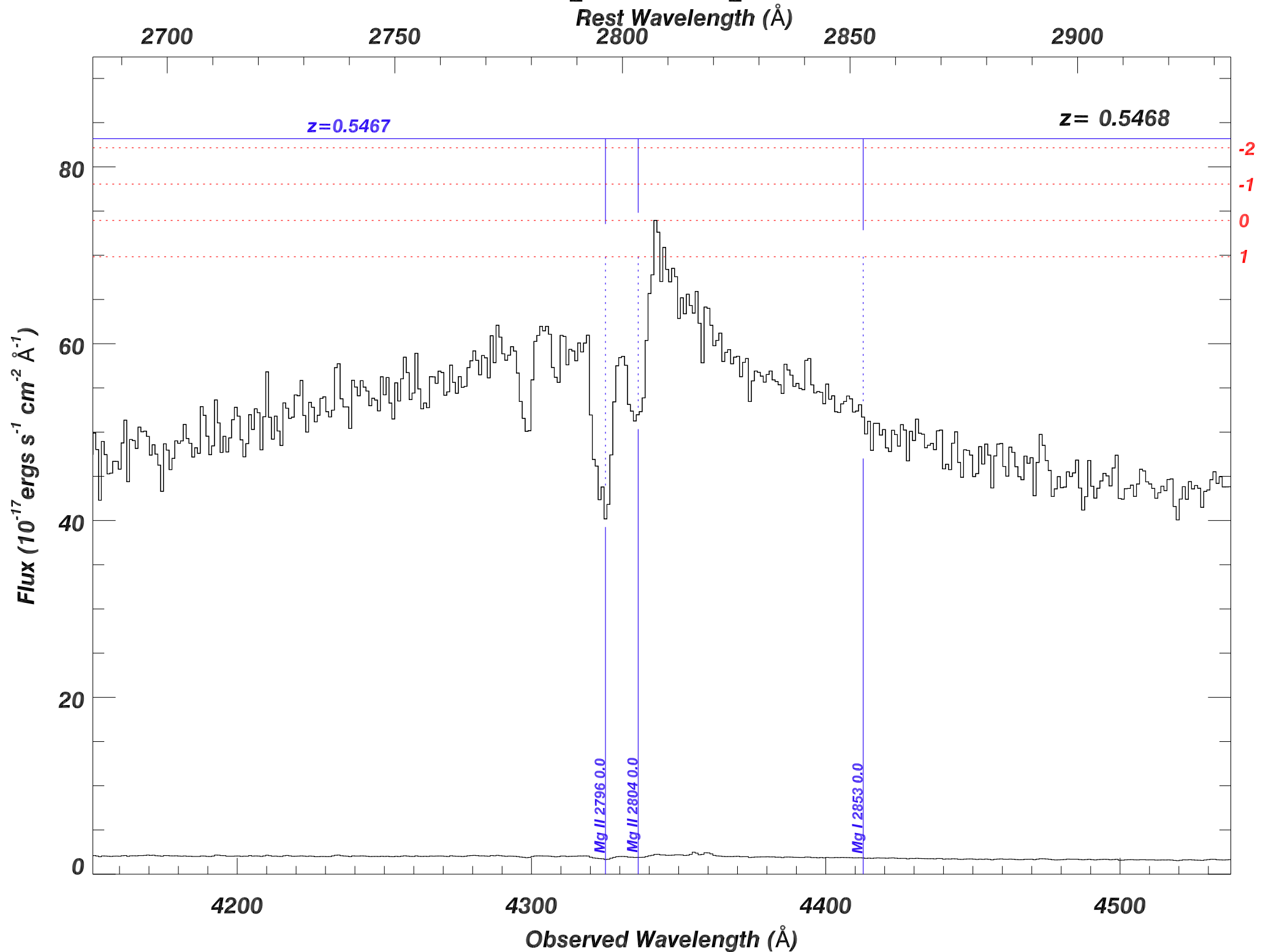
4000

4100

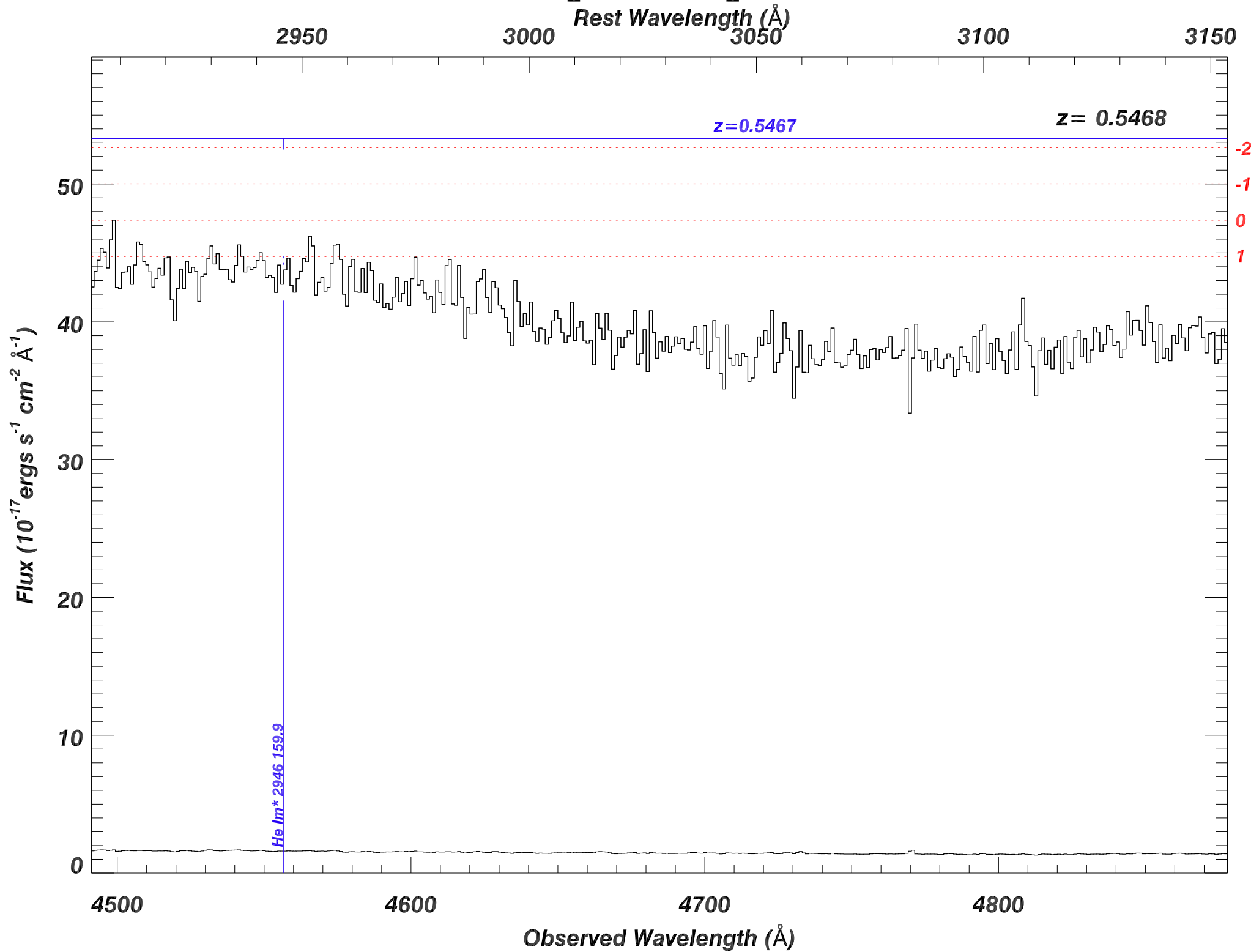
Observed Wavelength (\AA)



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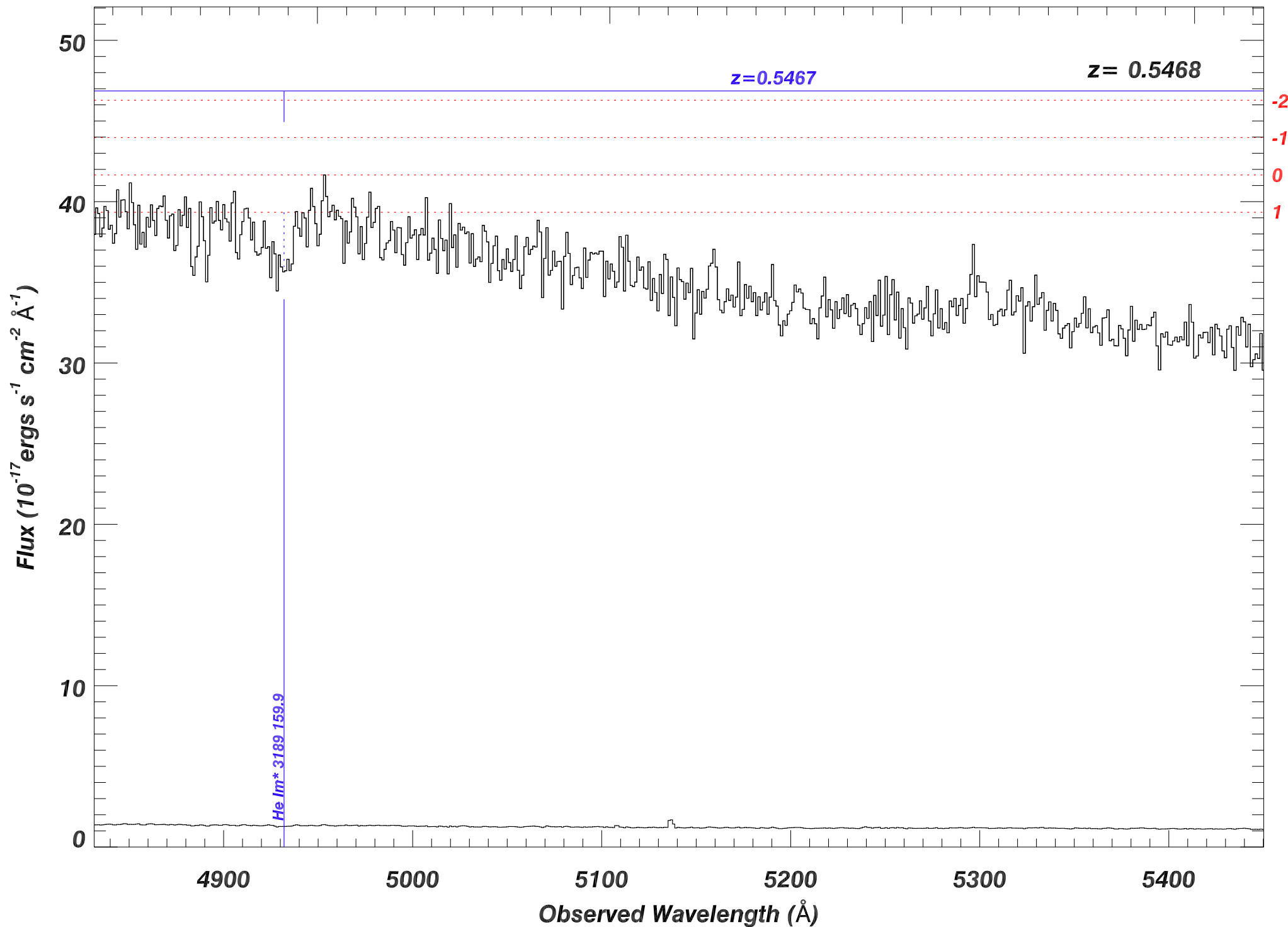
Rest Wavelength (\AA)

3200

3300

3400

3500



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Rest Wavelength (\AA)

3500

3600

3700

3800

$z=0.5467$

$z=0.5468$

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

40

30

20

10

0

-2

-1

0

1

5500

5600

5700

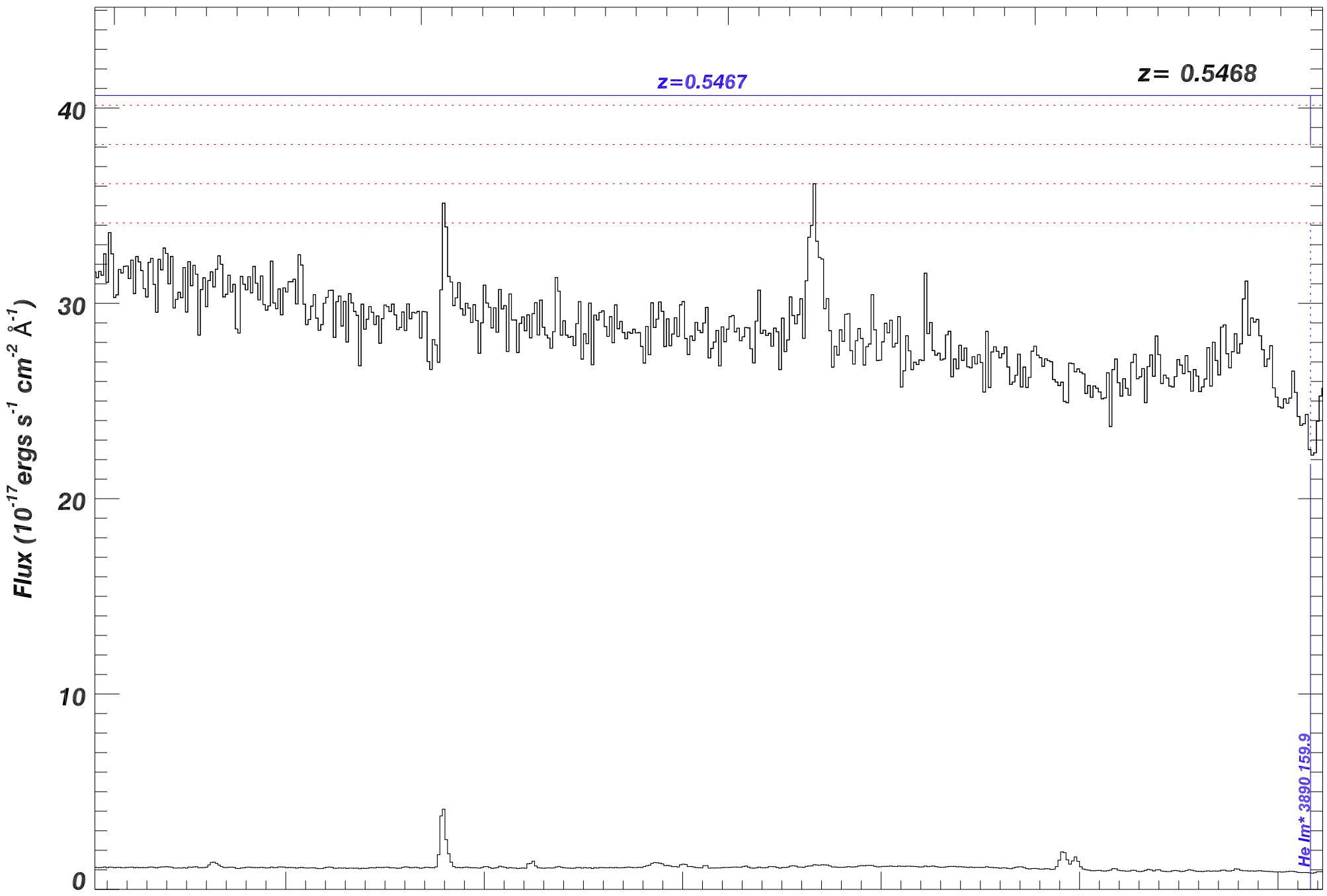
5800

5900

6000

Observed Wavelength (\AA)

He I λ 3889.159.9



SDSS_J1309+0119_MJD52295

Rest Wavelength (\AA)

3900

4000

4100

4200

$z=0.5467$

$z=0.5468$

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

30

20

10

0

-2

-1

0

1

He I m* 3890 159.9

Ca II 3935 0.0

Ca II 3970 0.0

6000

6100

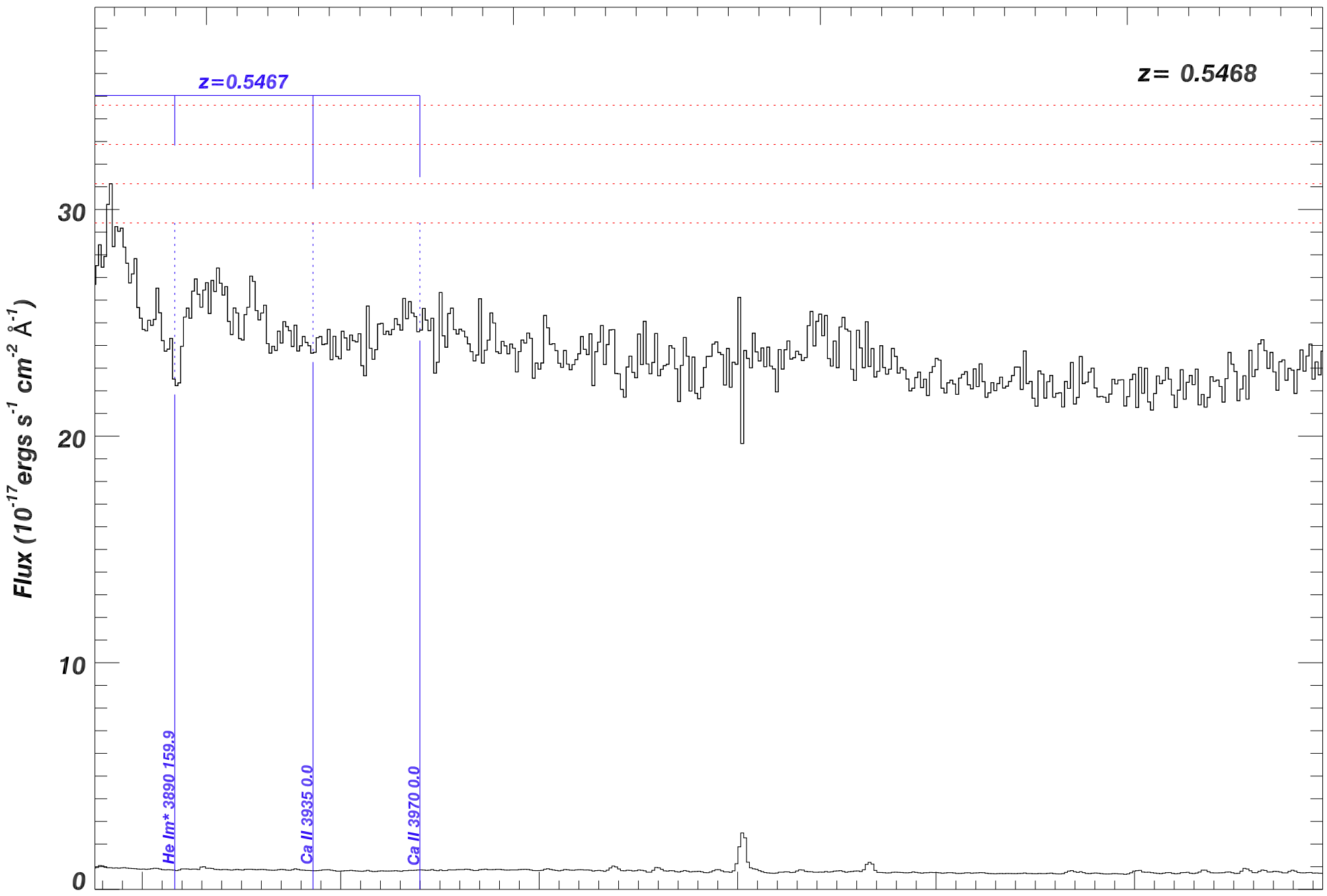
6200

6300

6400

6500

Observed Wavelength (\AA)



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Rest Wavelength (\AA)

4300

4400

4500

4600

$z = 0.5468$

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

30

25

20

15

10

5

0

-2

-1

0

1

6600

6700

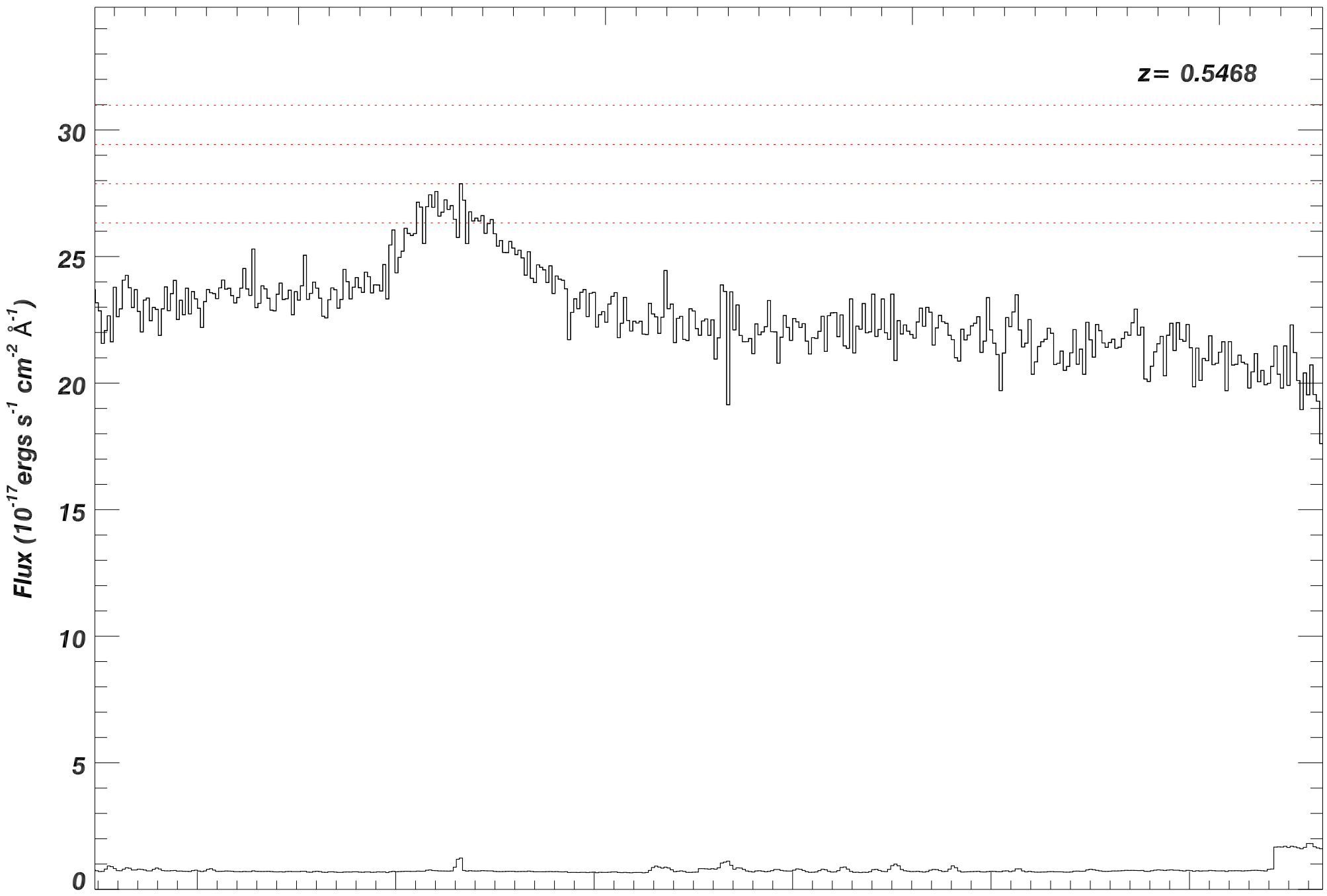
6800

6900

7000

7100

Observed Wavelength (\AA)



SDSS_J1309+0119_MJD52295

Rest Wavelength (Å)

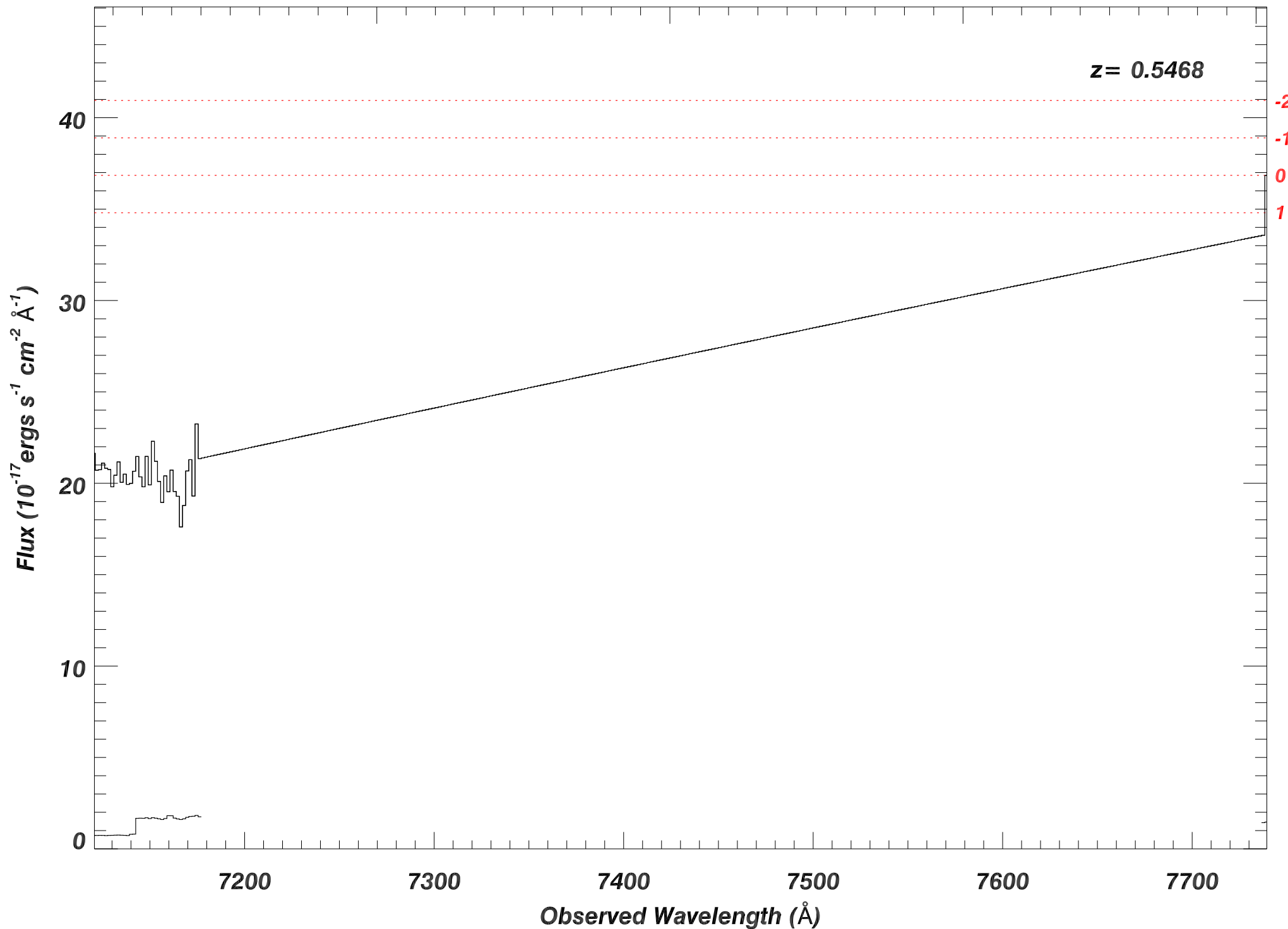
4700

4800

4900

5000

z = 0.5468



SDSS_J1309+0119_MJD52295

Rest Wavelength (\AA)

5000

5200

5400

5600

5800

$z = 0.5468$

