

SDSS_J1443+6332_MJD56447

Rest Wavelength (\AA)

2000

2500

3000

3500

4000

$z = 1.401$

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

100
80
60
40
20
0

4000

5000

6000

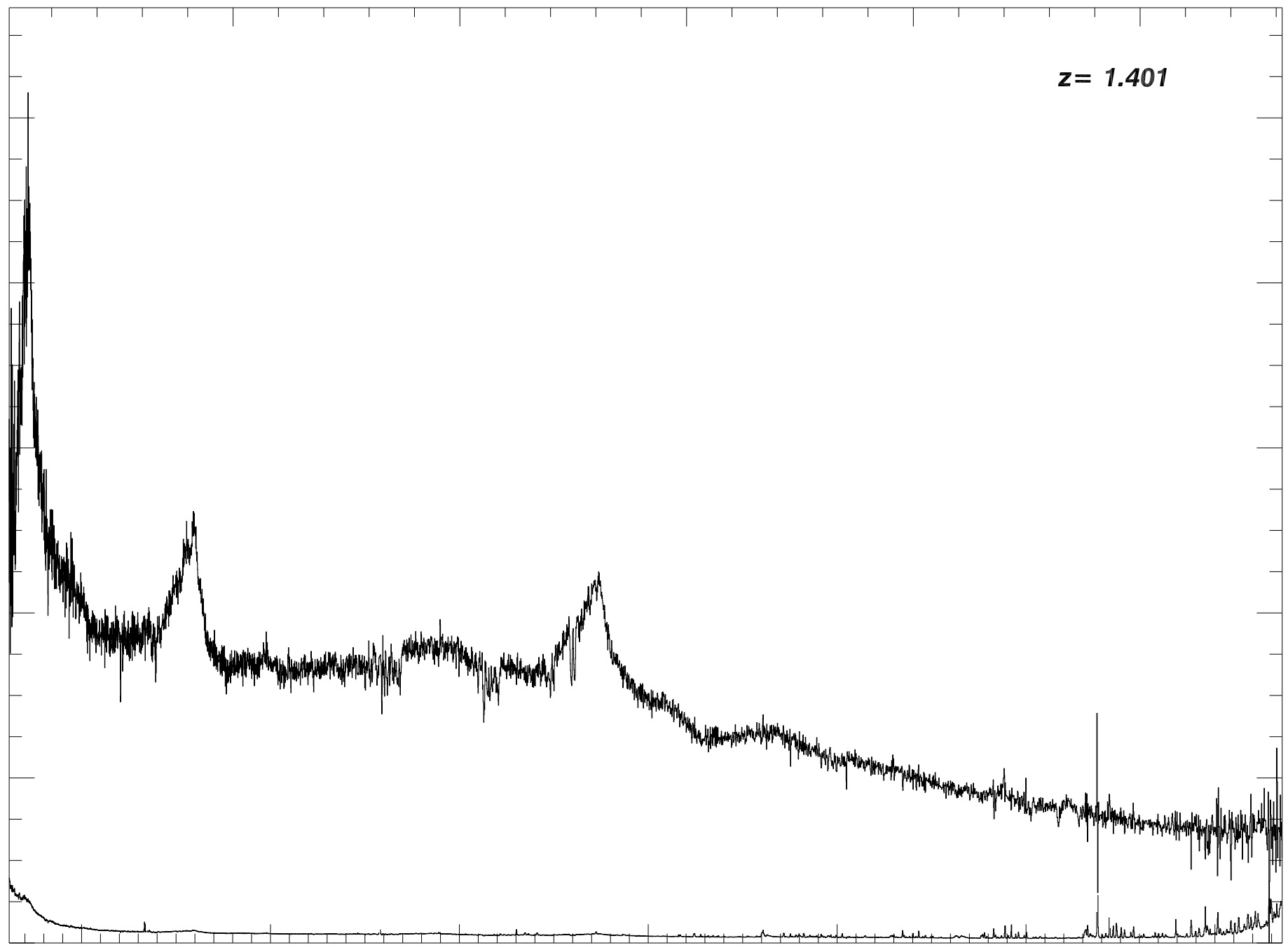
7000

8000

9000

10000

Observed Wavelength (\AA)



SDSS_J1443+6332_MJD56447

Rest Wavelength (\AA)

1550

1600

1650

1700

1750

120

100

80

60

40

20

0

$z=1.3583$

$z=1.401$

-2

-1

0

1

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

C IV 1548 0.0

C IV 1551 0.0

C I 1560 0.0

C I m* 1561 0.04

Fe II 1608 0.0

C I m* 1657 0.04

C I 1657 0.0

Al II 1671 0.0

Al II 1671 0.0

Al I 1766 0.0

Al I m* 1766 0.1

3700

3800

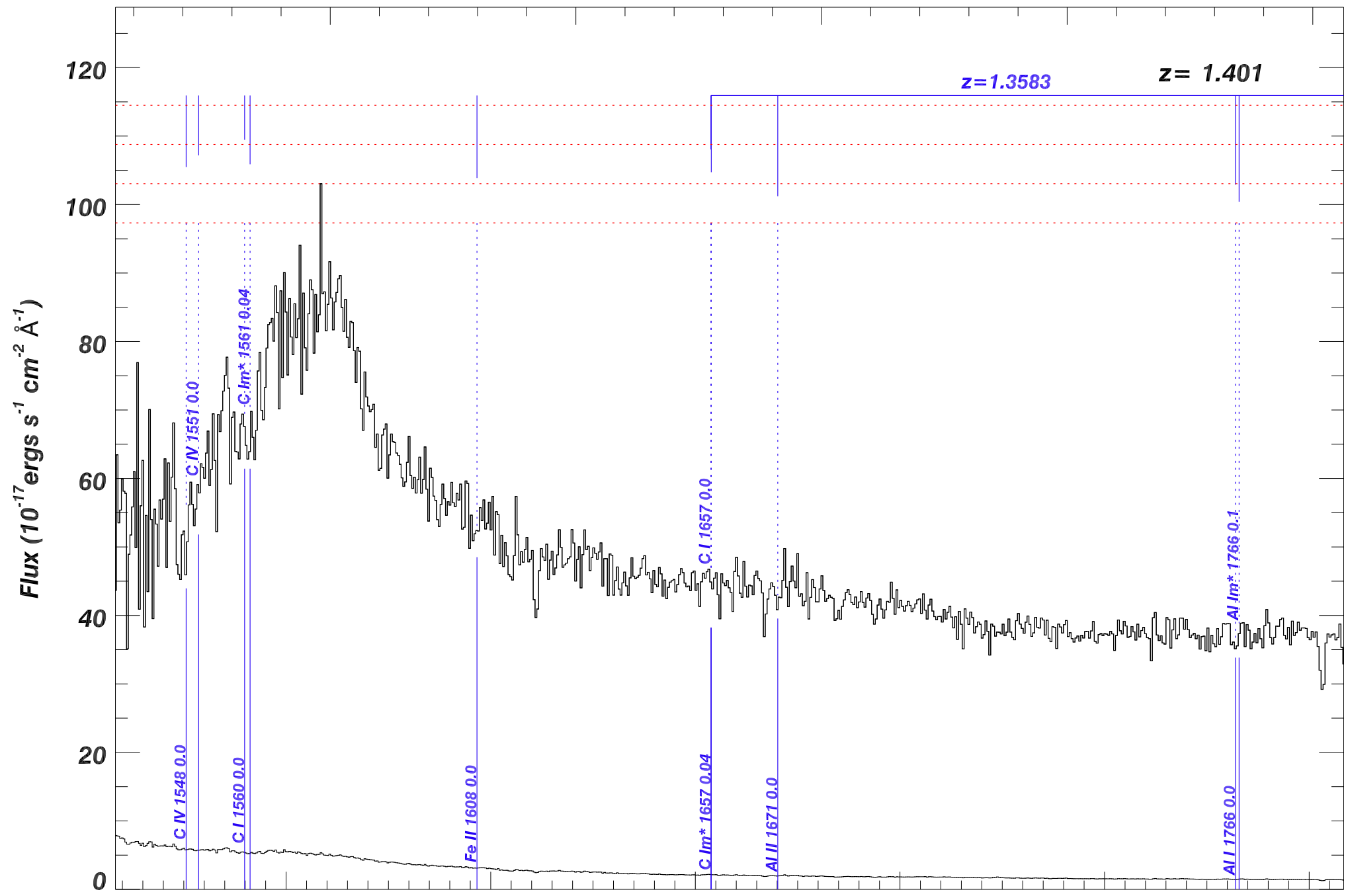
3900

4000

4100

4200

Observed Wavelength (\AA)



SDSS_J1443+6332_MJD56447

Rest Wavelength (\AA)

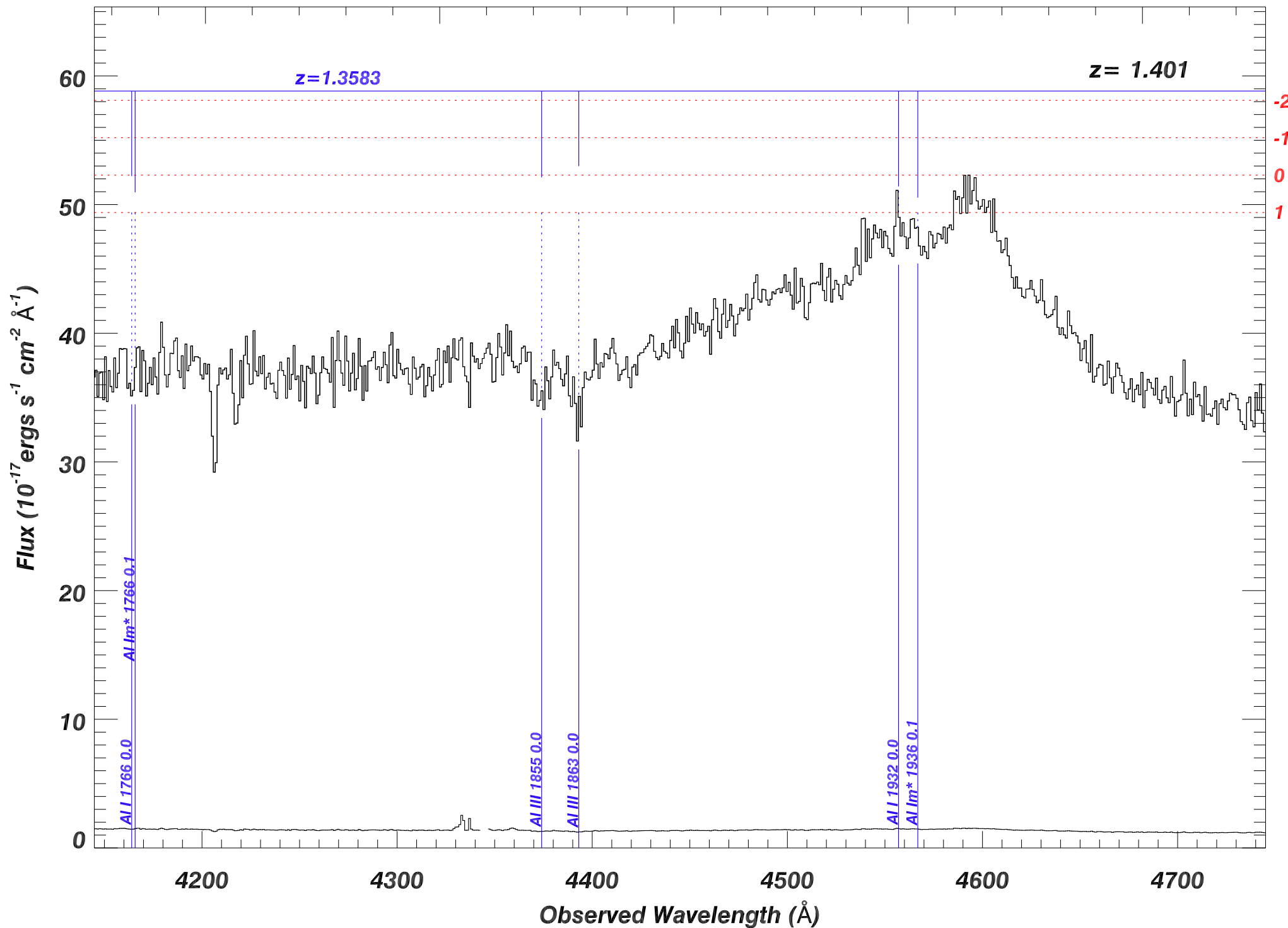
1750

1800

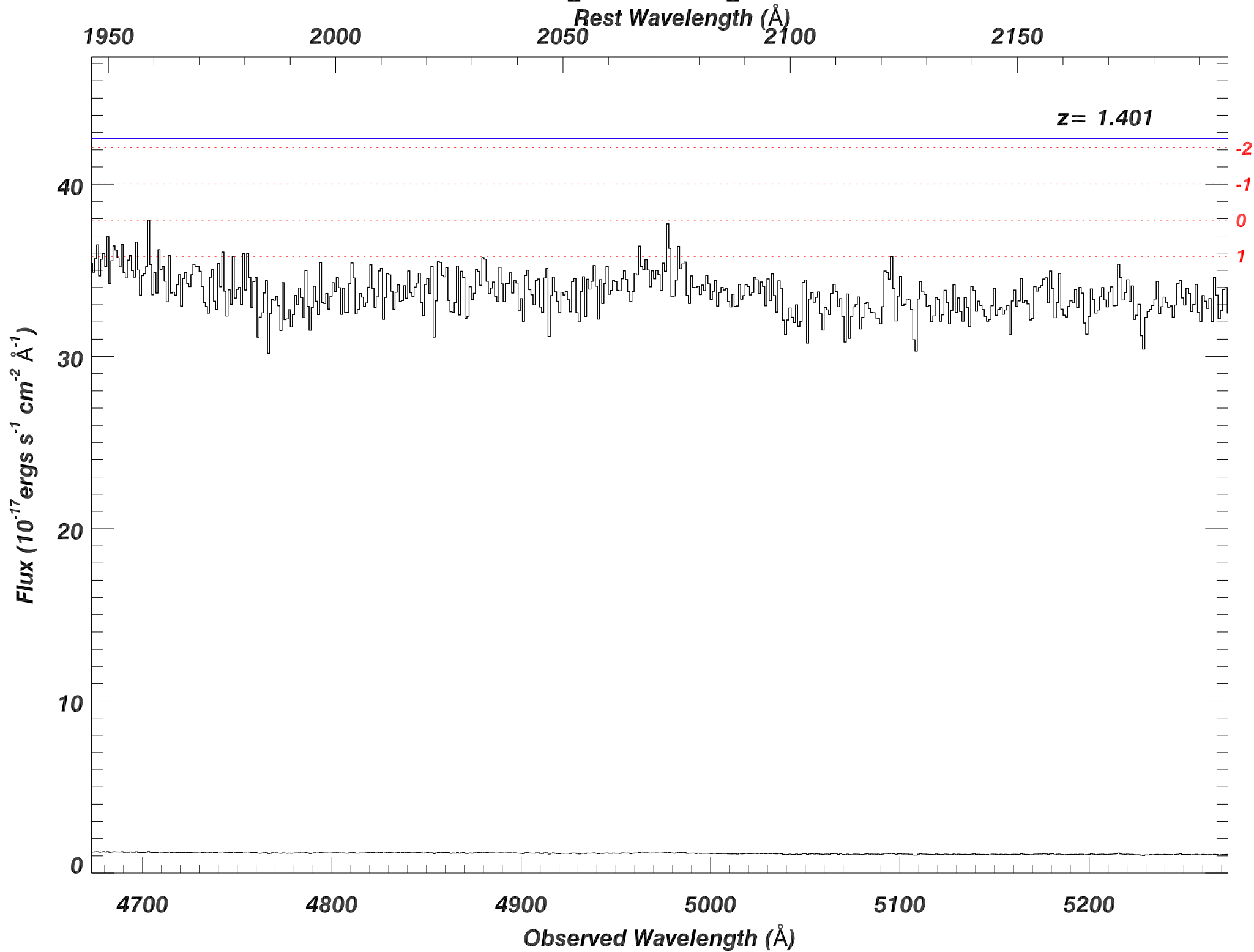
1850

1900

1950



SDSS_J1443+6332_MJD56447



SDSS_J1443+6332_MJD56447

Rest Wavelength (\AA)

2200

2250

2300

2350

2400

$z=1.3583$

$z=1.401$

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

40

30

20

10

0

-2

-1

0

1

Fe III* 2333 0.4

Fe III* 2339 0.9

Fe II 2344 0.0

Fe III* 2349 0.7

Fe II 2374 0.0

Fe II 2383 0.0

Fe III* 2389 0.4

Fe III* 2396 0.4

Fe III* 2400 0.7

Fe III* 2406 0.7

Fe III* 2407 0.9

Fe III* 2411 0.9

Fe III* 2412 1.0

Fe III* 2414 1.0

5300

5400

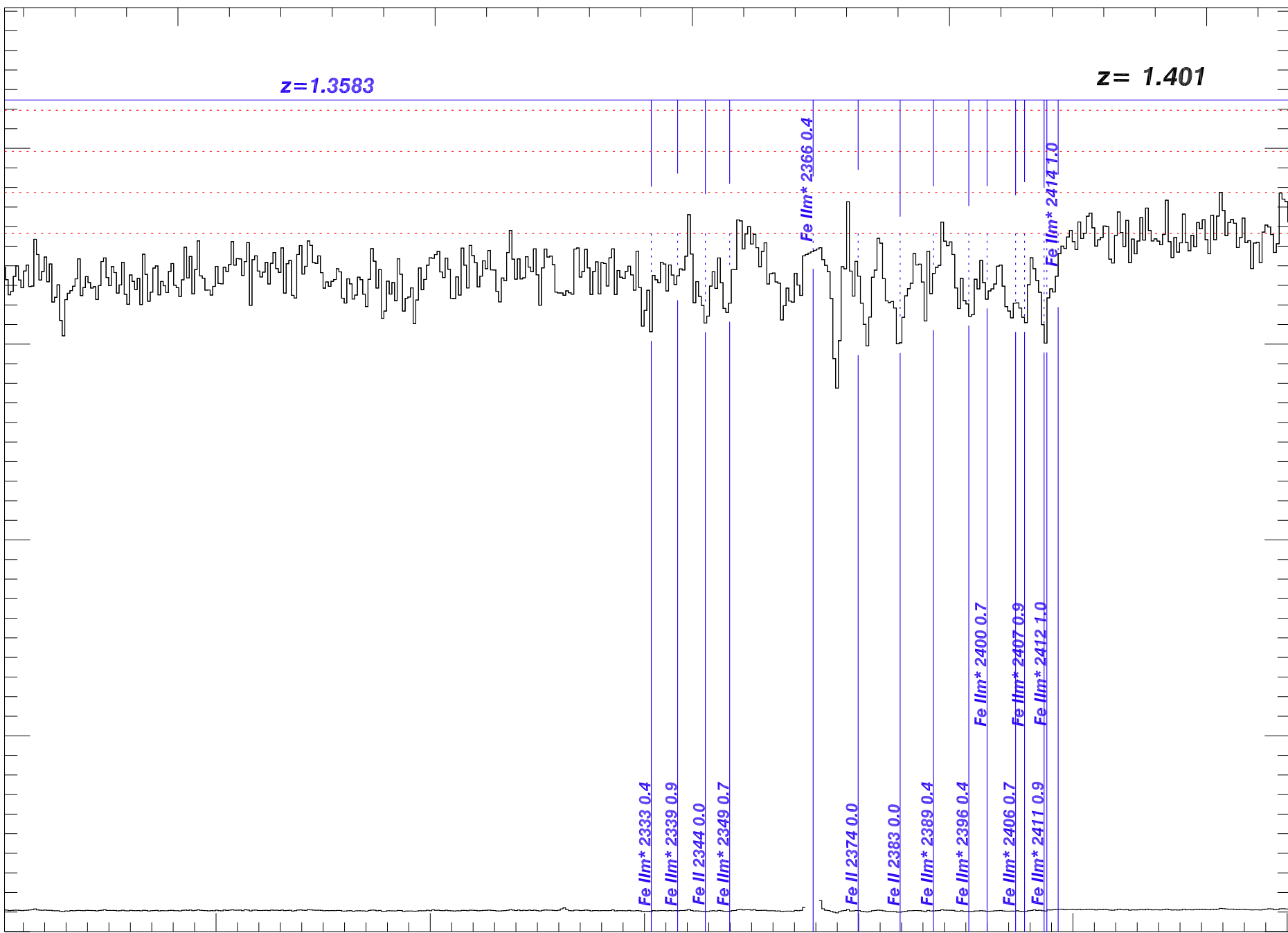
5500

5600

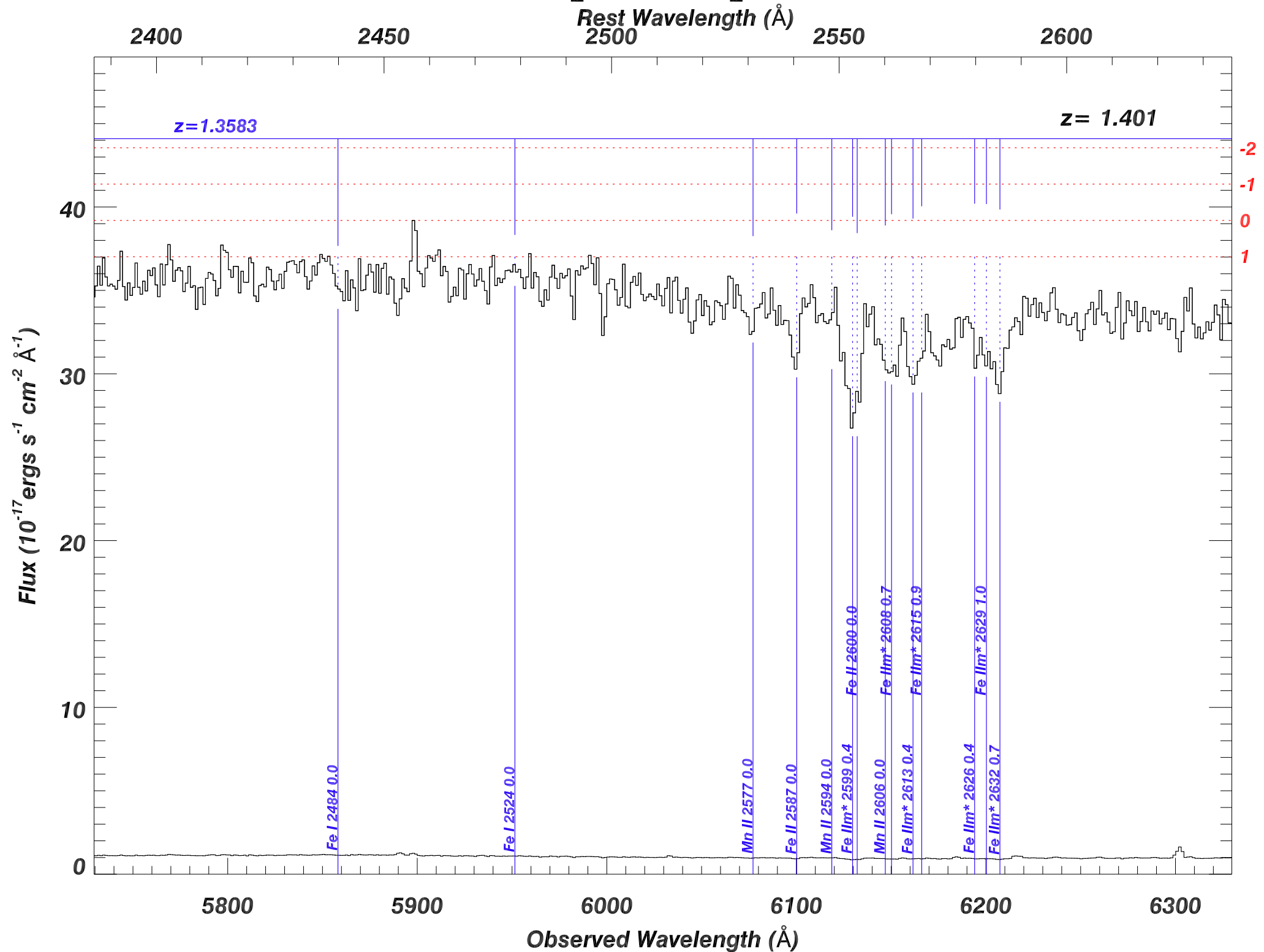
5700

5800

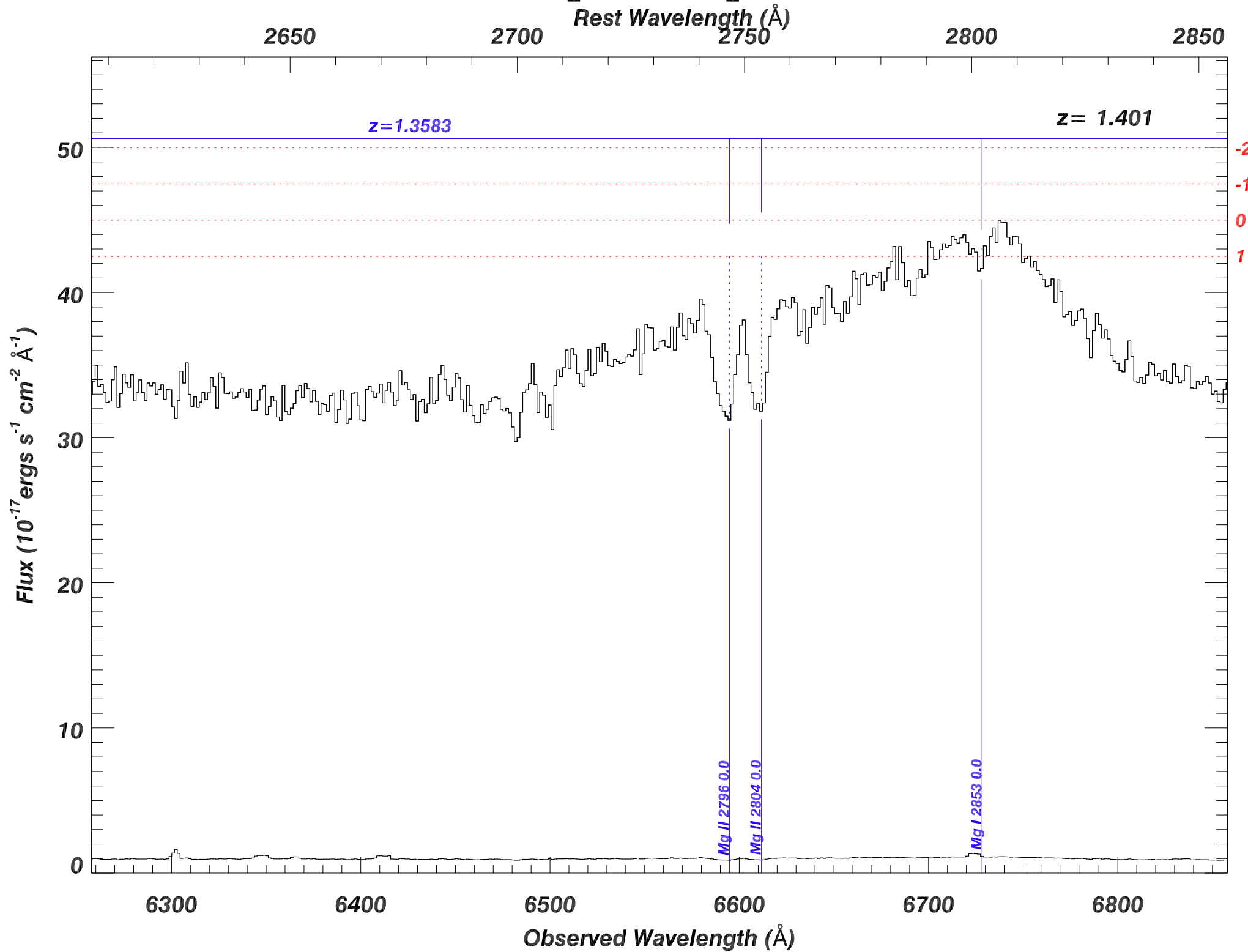
Observed Wavelength (\AA)



SDSS_J1443+6332_MJD56447



SDSS_J1443+6332_MJD56447



SDSS_J1443+6332_MJD56447

Rest Wavelength (\AA)

2850

2900

2950

3000

3050

$z=1.3583$

$z=1.401$

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

40

30

20

10

0

-2

-1

0

1

He I m* 2946 159.9

6800

6900

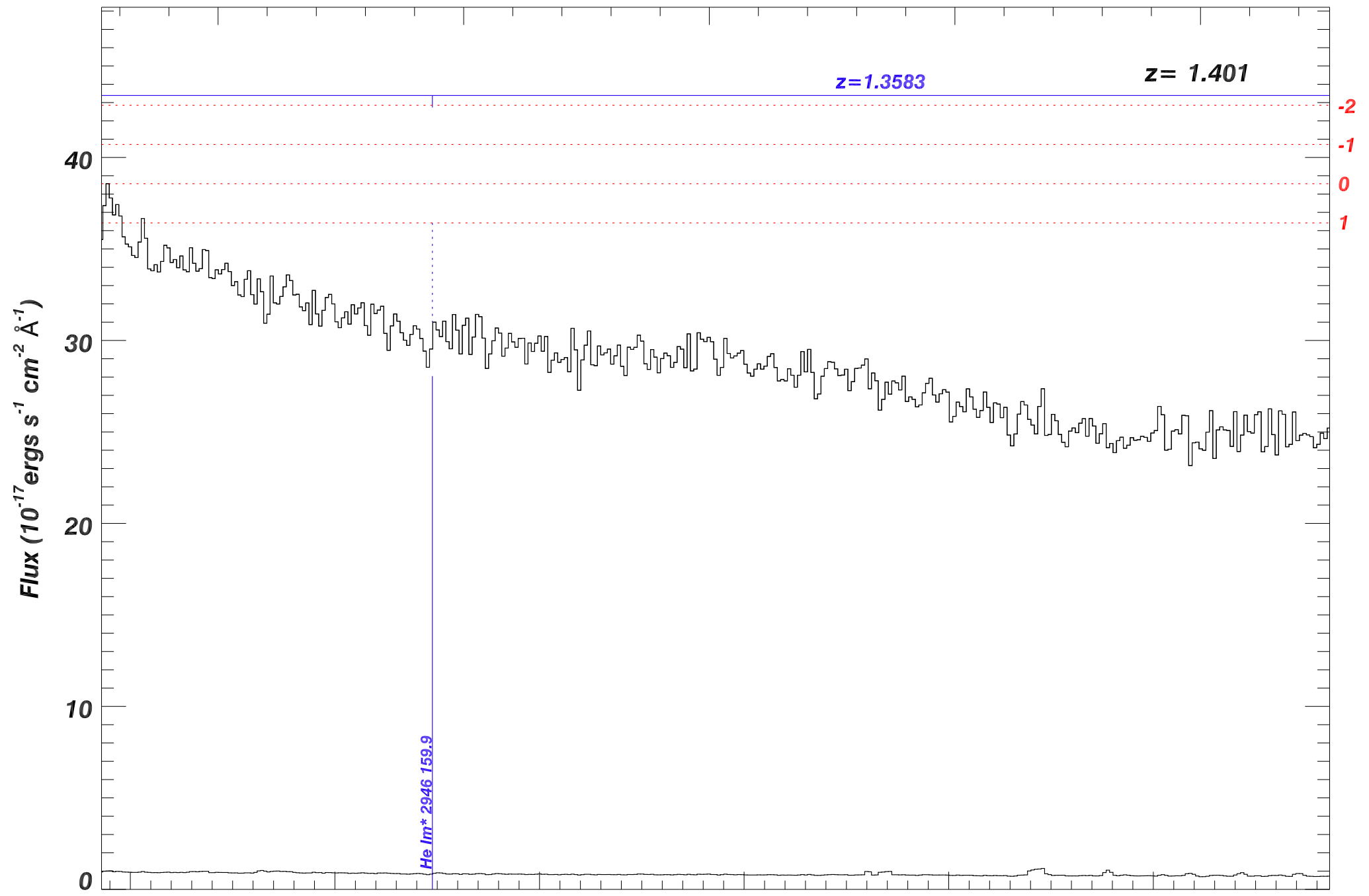
7000

7100

7200

7300

Observed Wavelength (\AA)



SDSS_J1443+6332_MJD56447

Rest Wavelength (\AA)

3100

3200

3300

3400

$z = 1.3583$

$z = 1.401$

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

30

25

20

15

10

5

0

-2

-1

0

1

He I m* 3189 159.9

7400

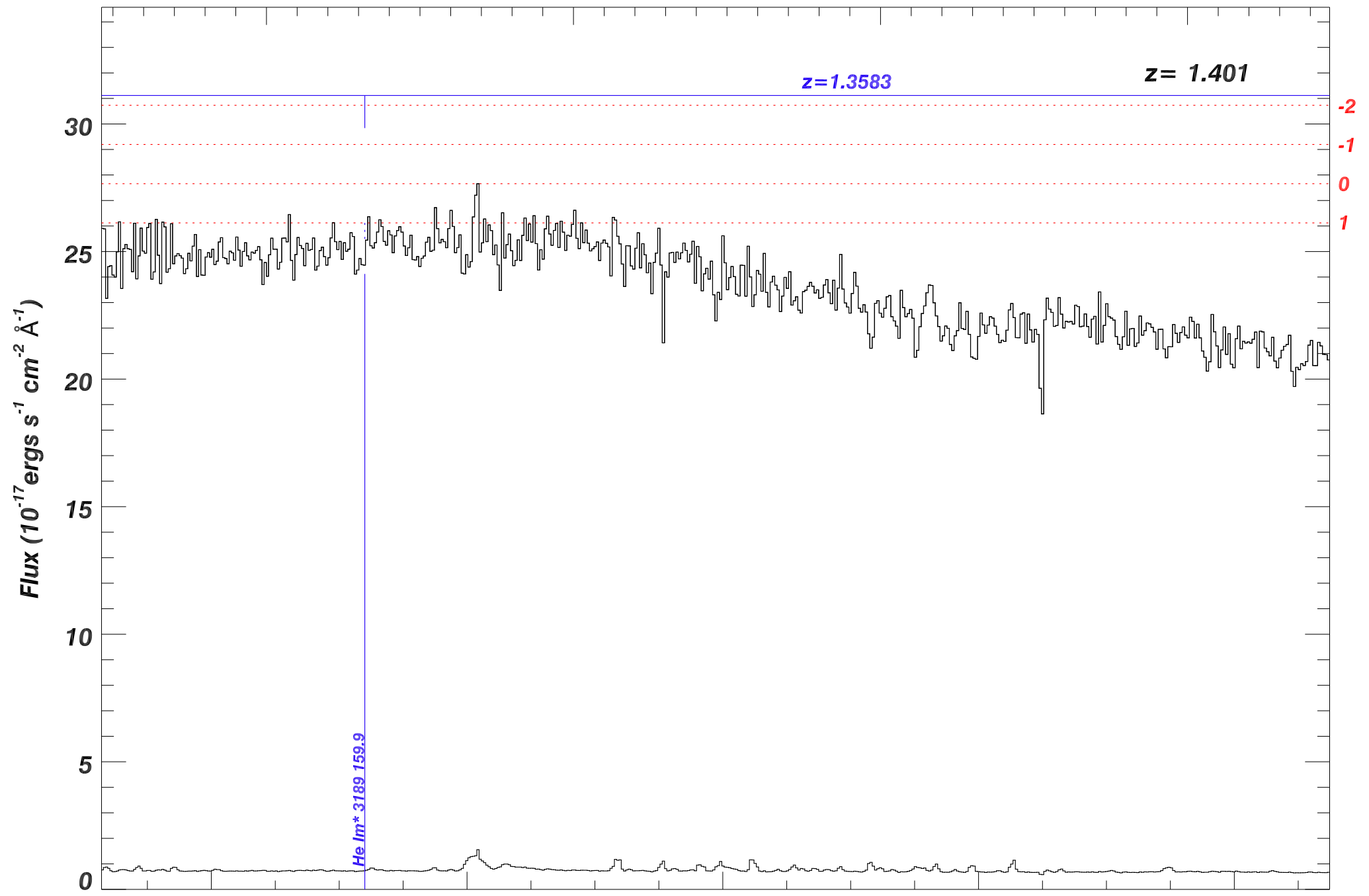
7600

7800

8000

8200

Observed Wavelength (\AA)



SDSS_J1443+6332_MJD56447

Rest Wavelength (\AA)

3500

3600

3700

3800

$z = 1.401$

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

25

20

15

10

5

0

-2
-1
0
1

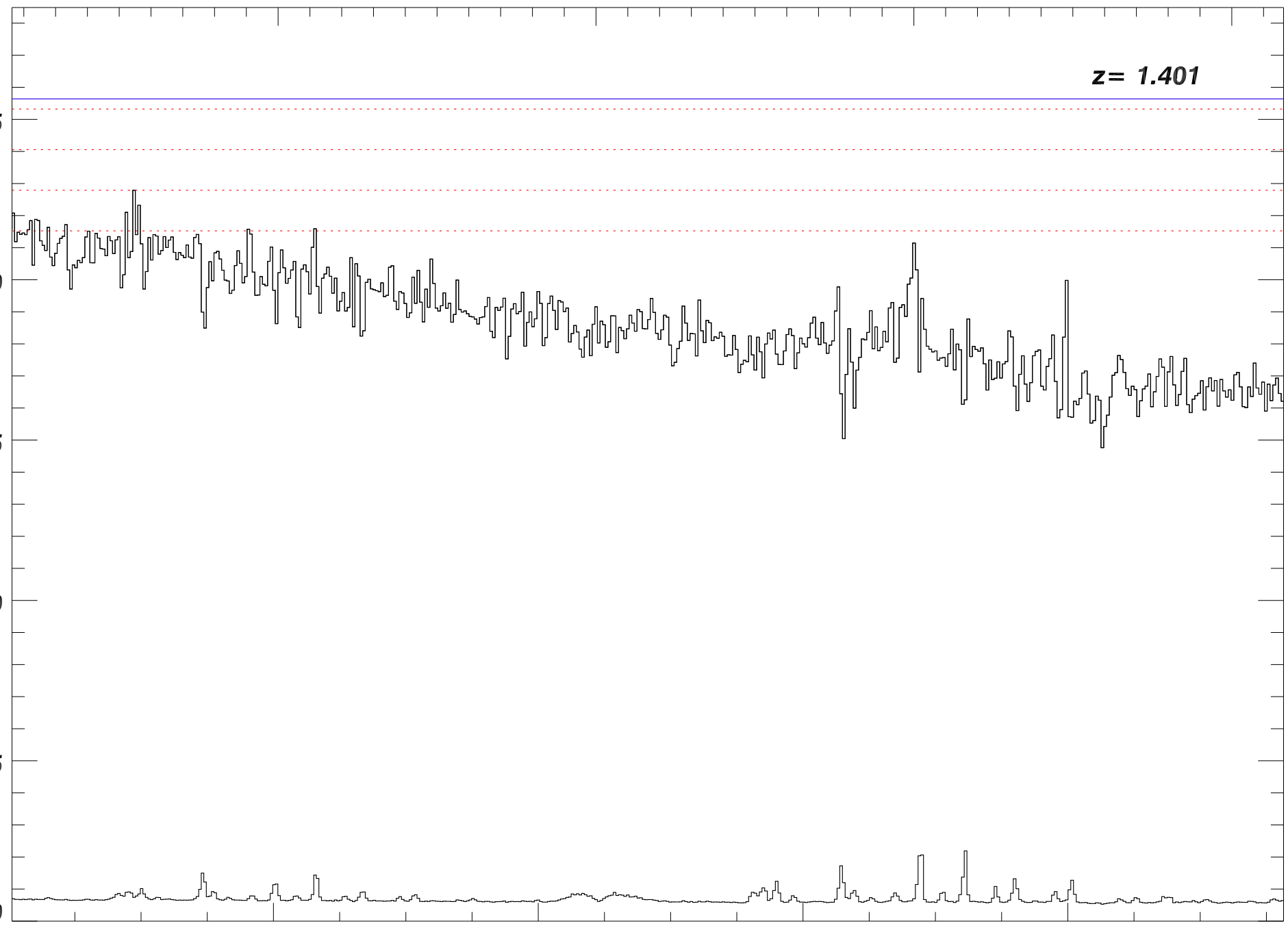
8400

8600

8800

9000

Observed Wavelength (\AA)



SDSS_J1443+6332_MJD56447

Rest Wavelength (\AA)

3800

3900

4000

4100

$z = 1.3583$

$z = 1.401$

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

30

25

20

15

10

5

0

-2

-1

0

1

He I λ 3889.159.9

Ca II 3935.0.0

Ca II 3970.0.0

9200

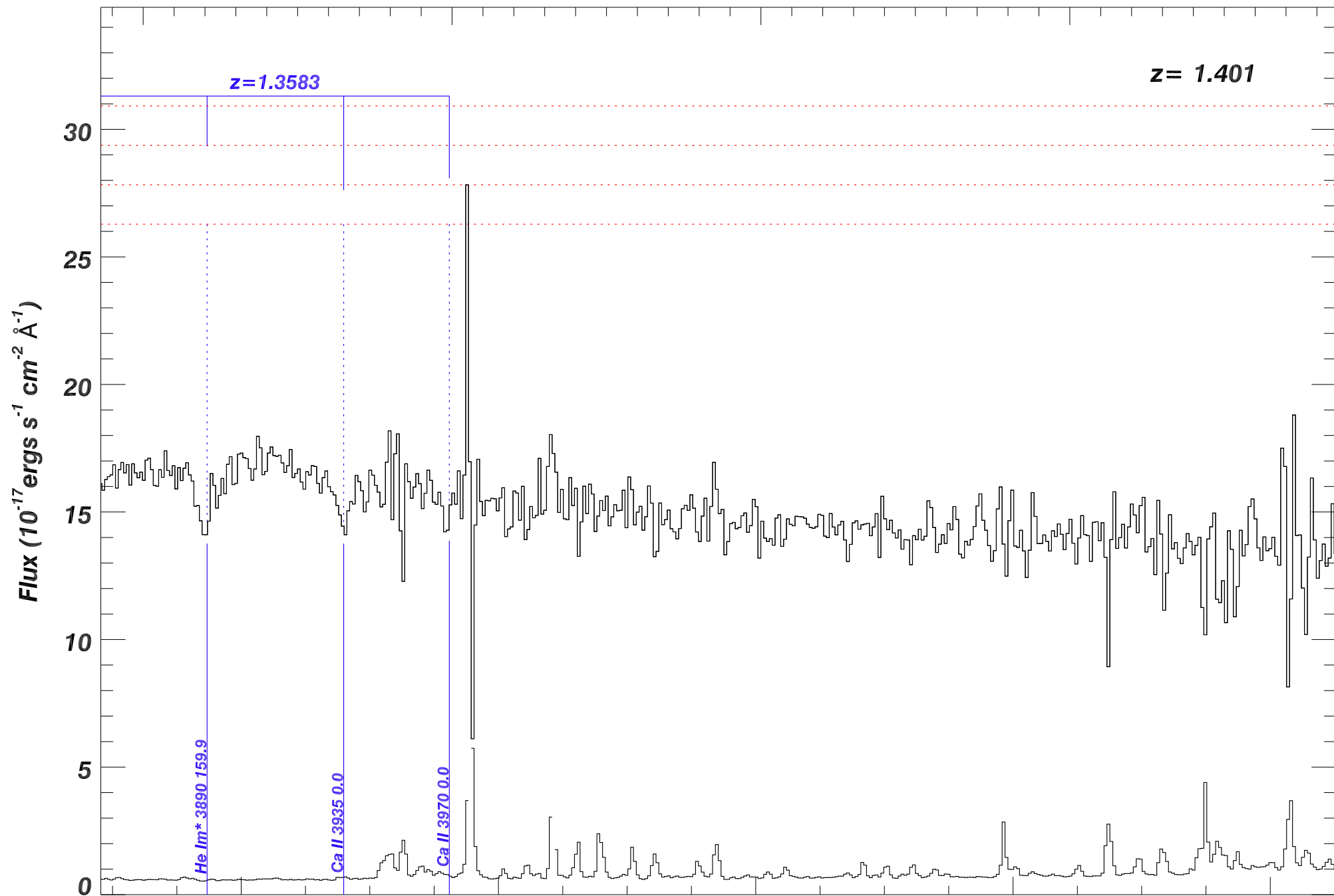
9400

9600

9800

10000

Observed Wavelength (\AA)



SDSS_J1443+6332_MJD56447

Rest Wavelength (Å)

4200

4300

4400

4500

z = 1.401

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

25

20

15

10

5

0

-2

-1

0

1

1.00×10^4

1.02×10^4

1.04×10^4

1.06×10^4

1.08×10^4

Observed Wavelength (Å)

