

SDSS_J0152+0929_MJD55564

Rest Wavelength (\AA)

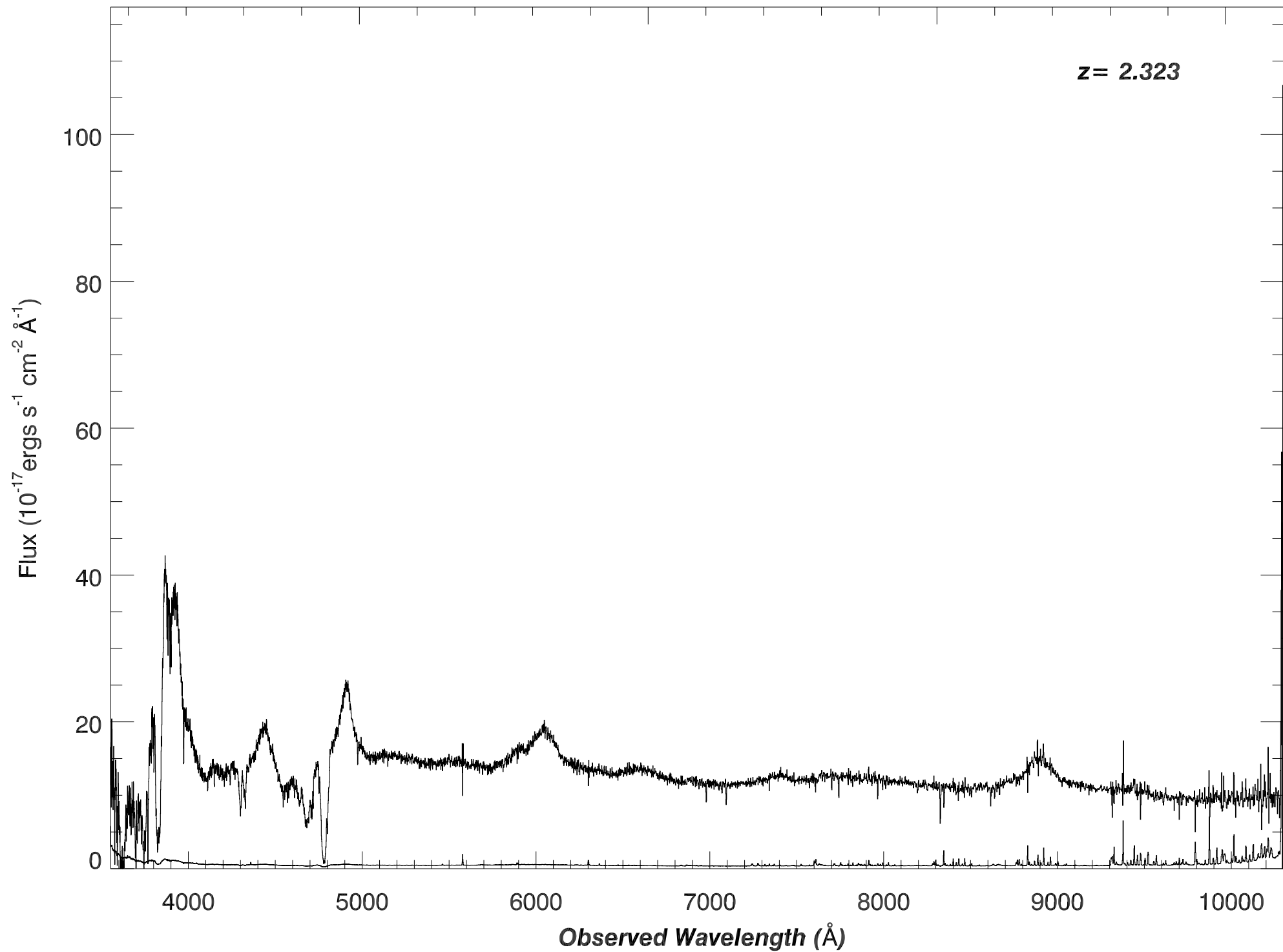
1500

2000

2500

3000

$z = 2.323$



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Rest Wavelength (\AA)

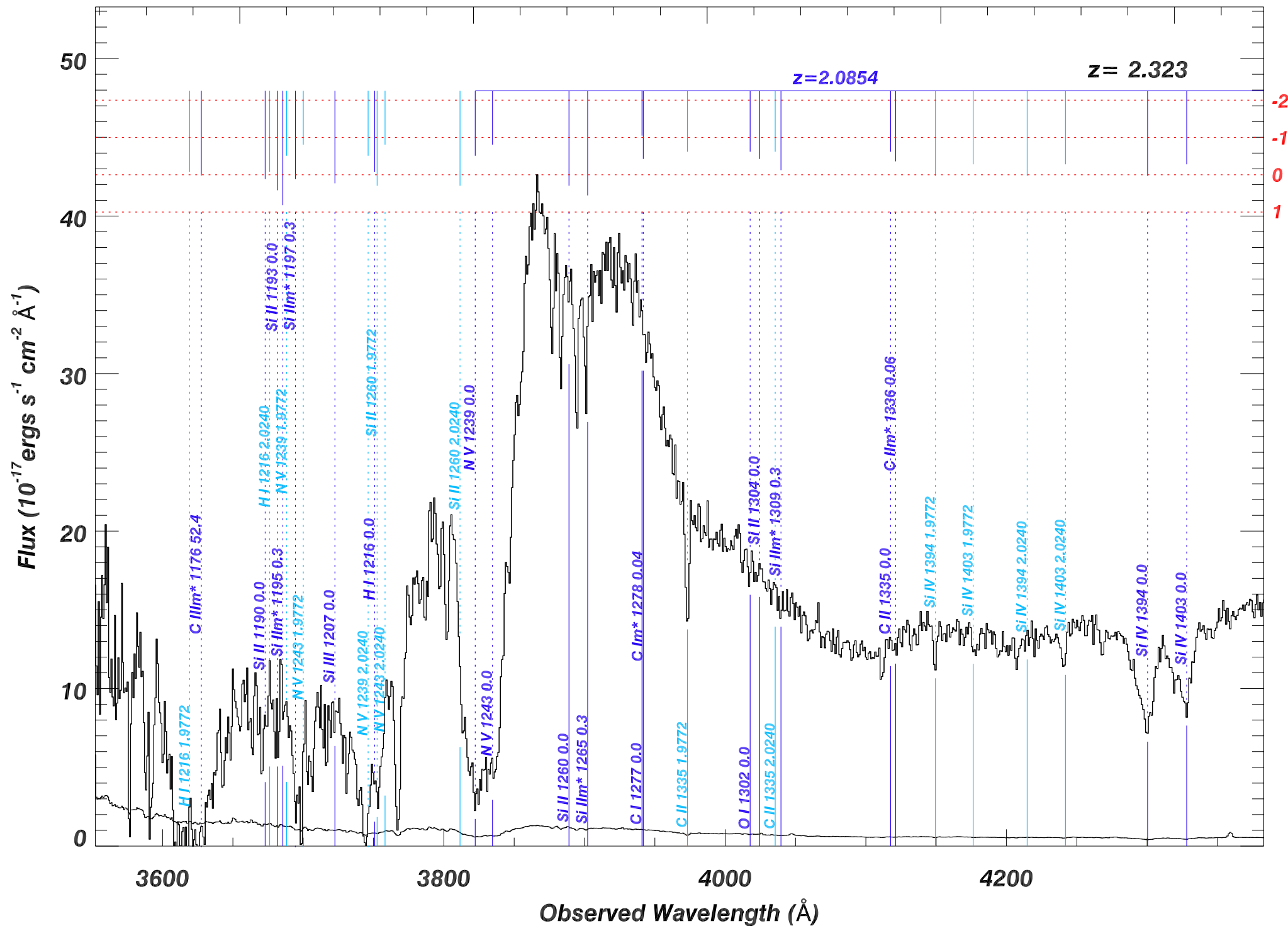
1100

1150

1200

1250

1300



SDSS_J0152+0929_MJD55564

Rest Wavelength (\AA)

1300

1350

1400

1450

1500

30

$z=2.0854$

$z=2.323$

-2

-1

0

1

25

20

15

10

5

0

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

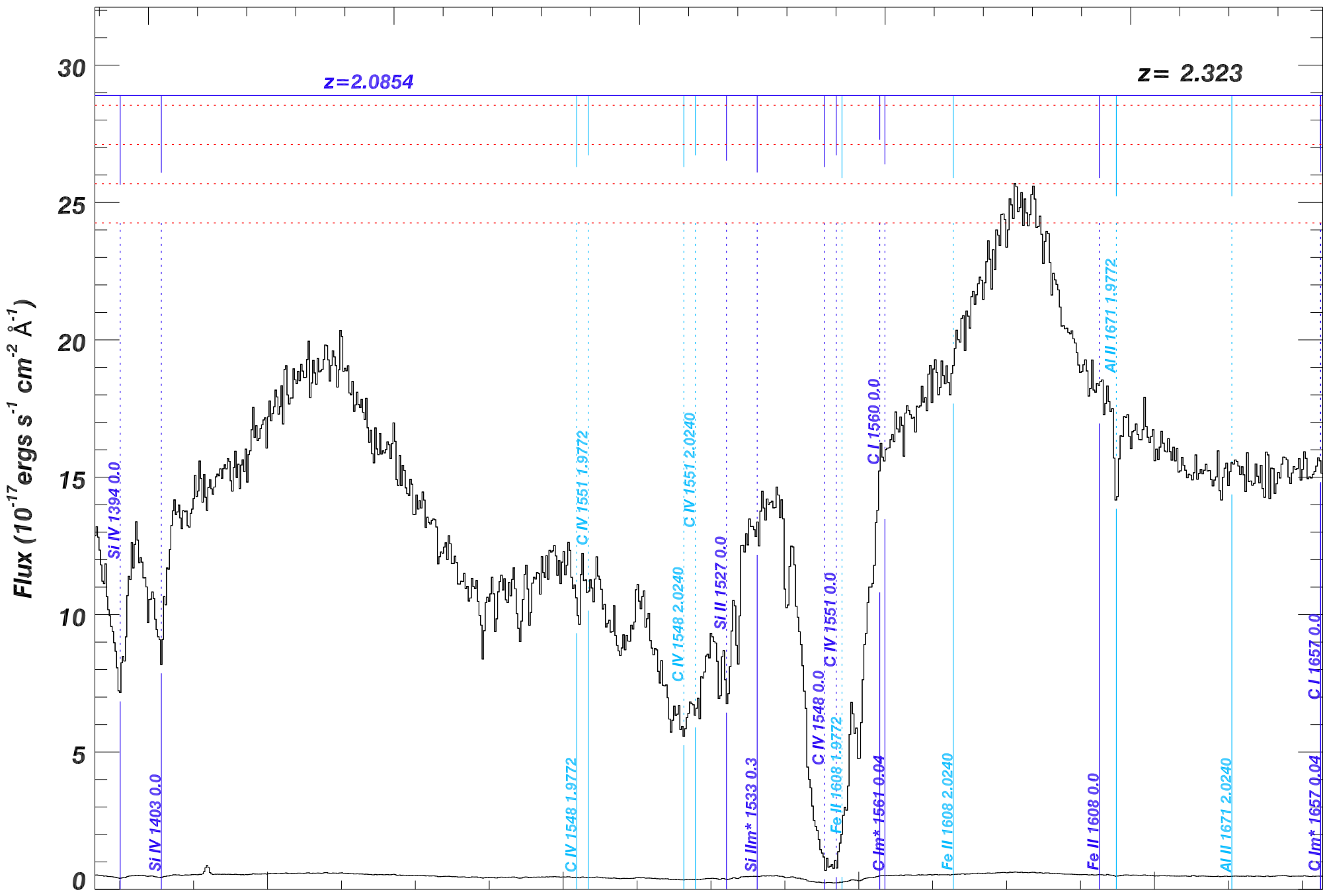
4400

4600

4800

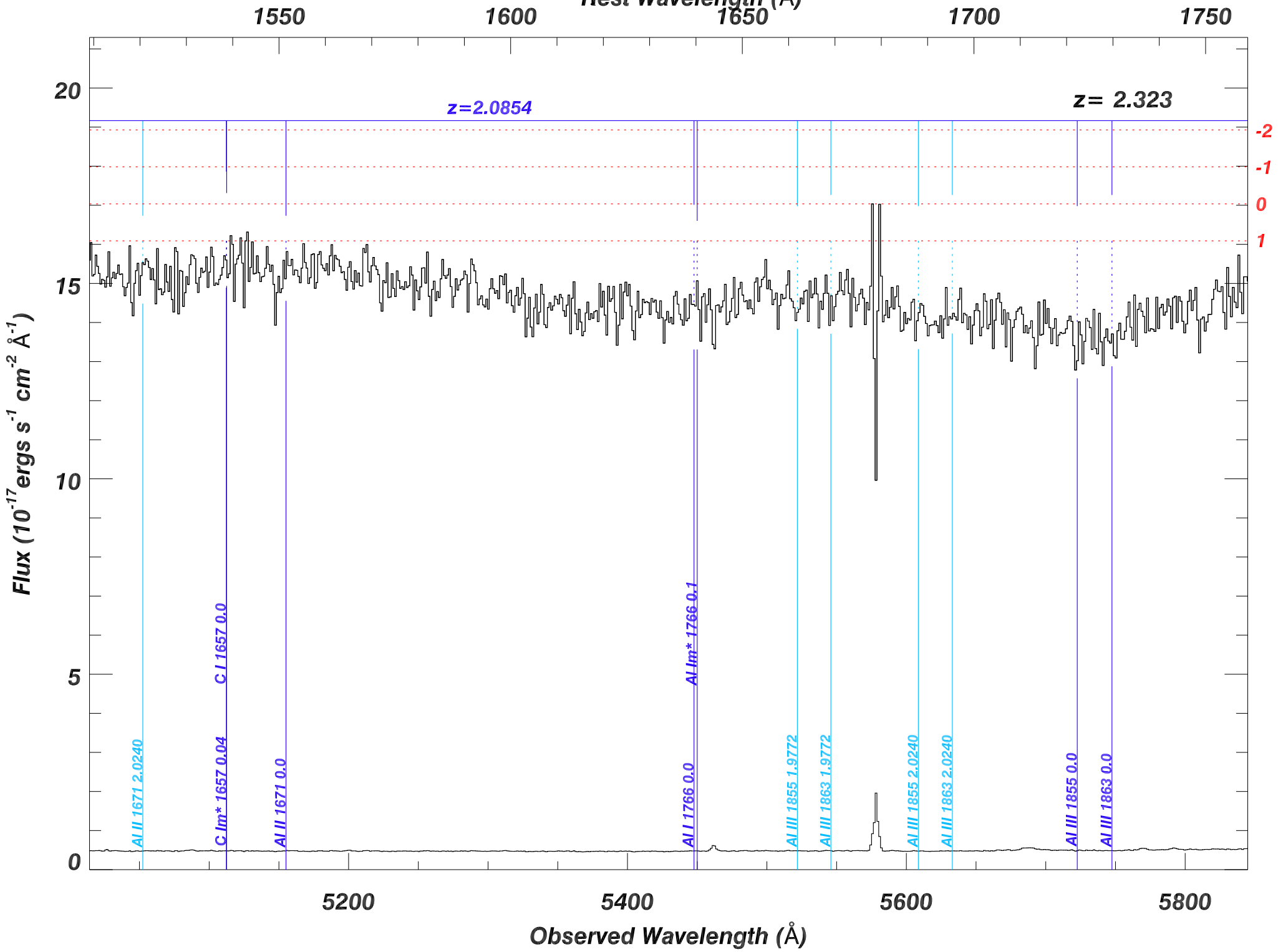
5000

Observed Wavelength (\AA)



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Rest Wavelength (\AA)



SDSS_J0152+0929_MJD55564

Rest Wavelength (\AA)

1750

1800

1850

1900

1950

25

20

15

10

5

0

$z=2.0854$

$z=2.323$

-2

-1

0

1

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

5800

6000

6200

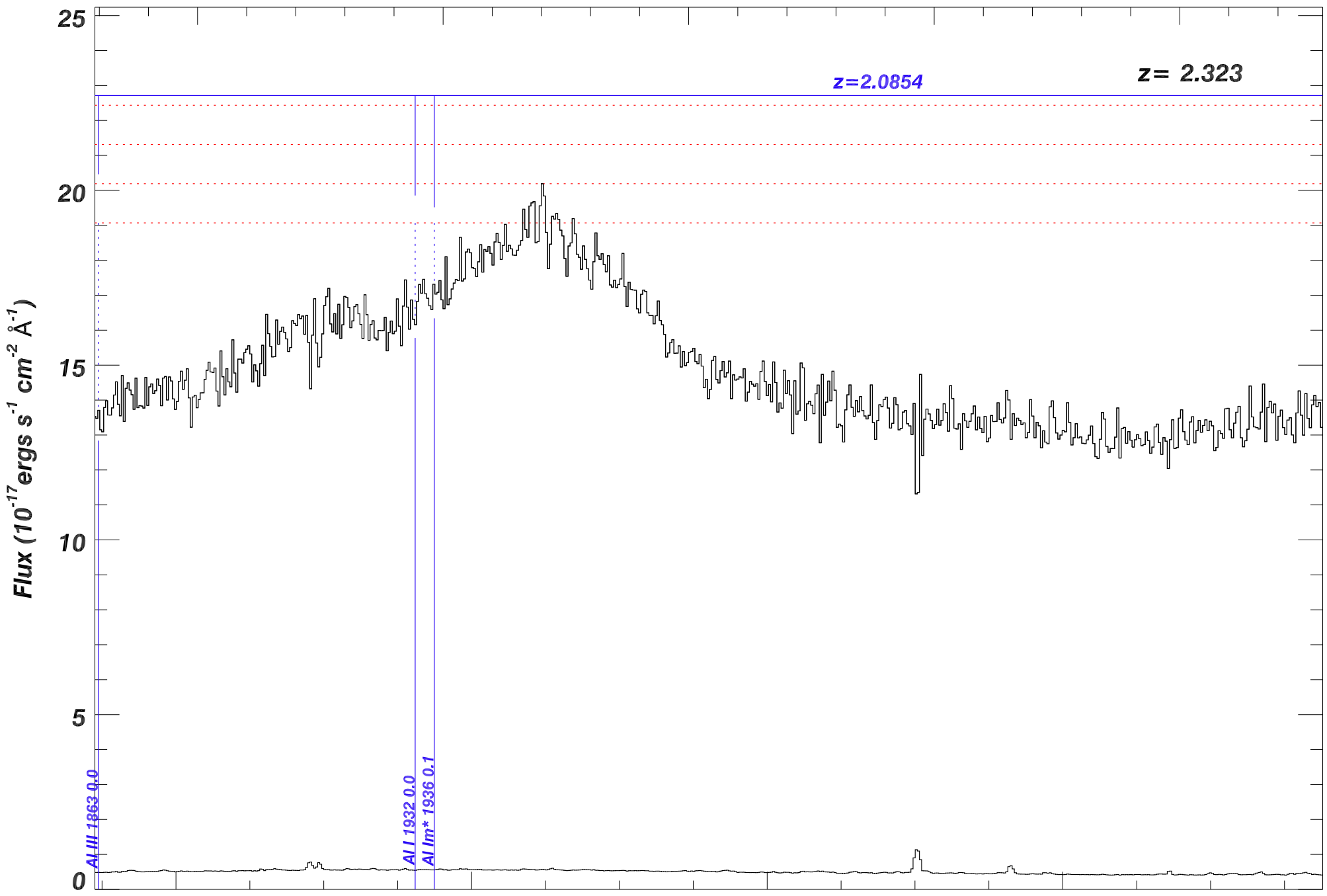
6400

Observed Wavelength (\AA)

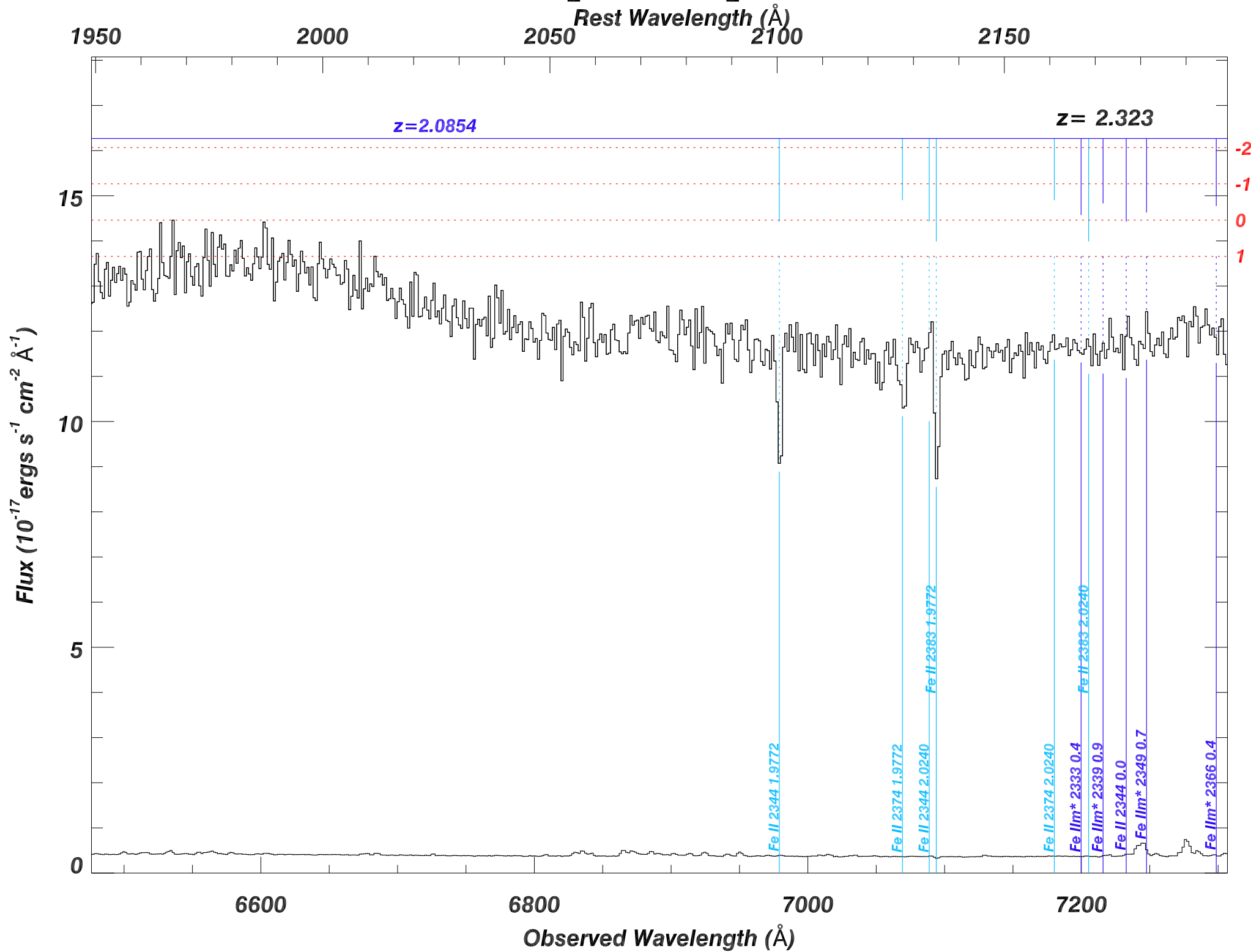
Al III 1863 0.0

Al I 1932 0.0

Al I m* 1936 0.1



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Rest Wavelength (\AA)

2200

2250

2300

2350

2400

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

15

10

5

0

-2

-1

0

1

$z=2.0854$

$z=2.323$

Fe II λ 2414 1.0

Fe II 2344 0.0

Fe II λ * 2349 0.7

Fe II λ * 2366 0.4

Fe II 2374 0.0

Fe II 2383 0.0

Fe II λ * 2389 0.4

Fe II λ * 2396 0.4

Fe II λ * 2406 0.7

Fe II λ * 2407 0.9

Fe II λ * 2412 1.0

Fe I 2484 0.0

Fe II 2587 1.9772

Fe II 2600 1.9772

Fe I 2524 0.0

Fe II 2587 2.0240

Fe II 2600 2.0240

Mn II 2577 0.0

Fe II 2587 0.0

Mn II 2594 0.0

Fe II λ * 2599 0.4

Fe II 2600 0.0

7400

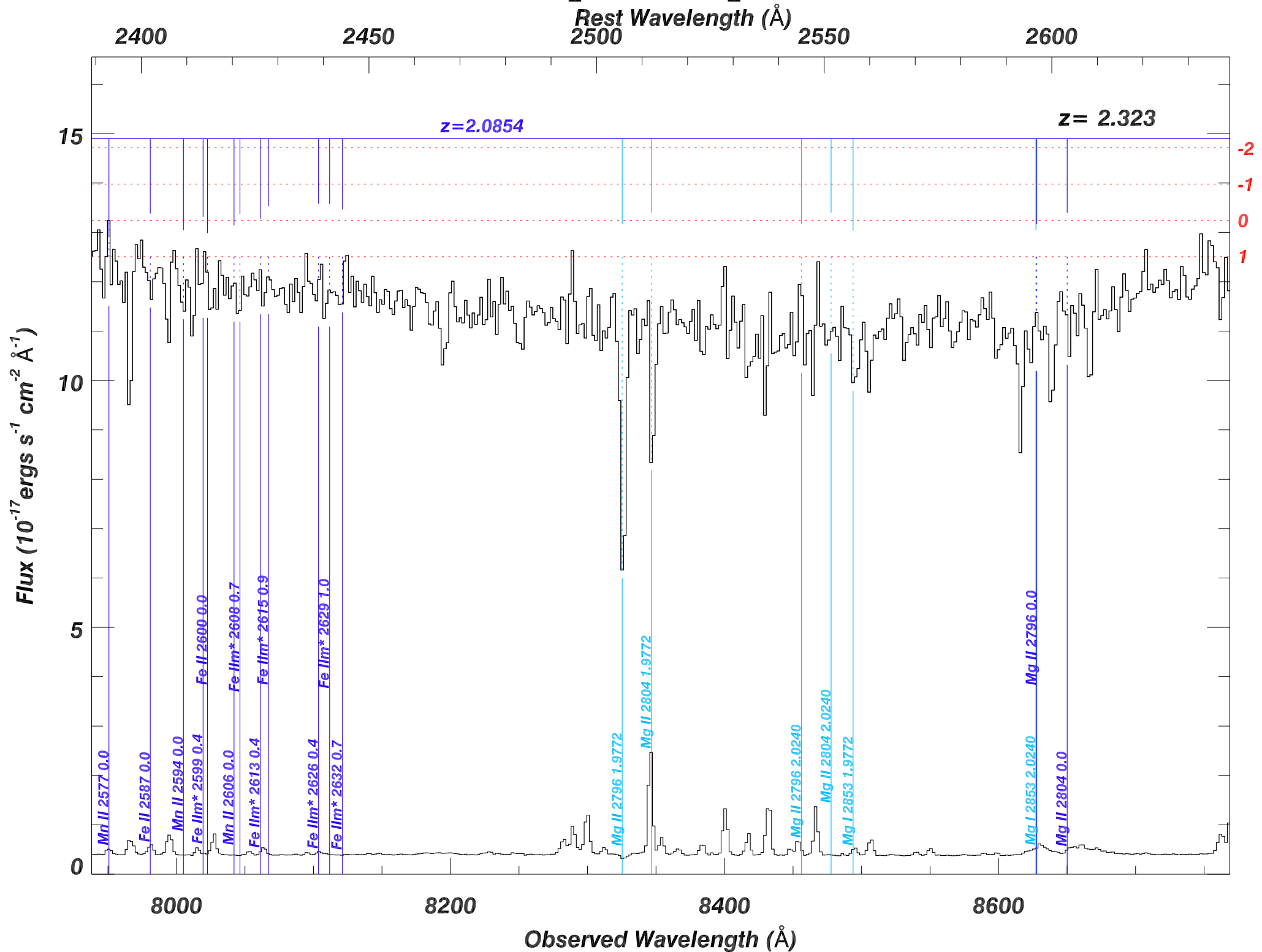
7600

7800

8000

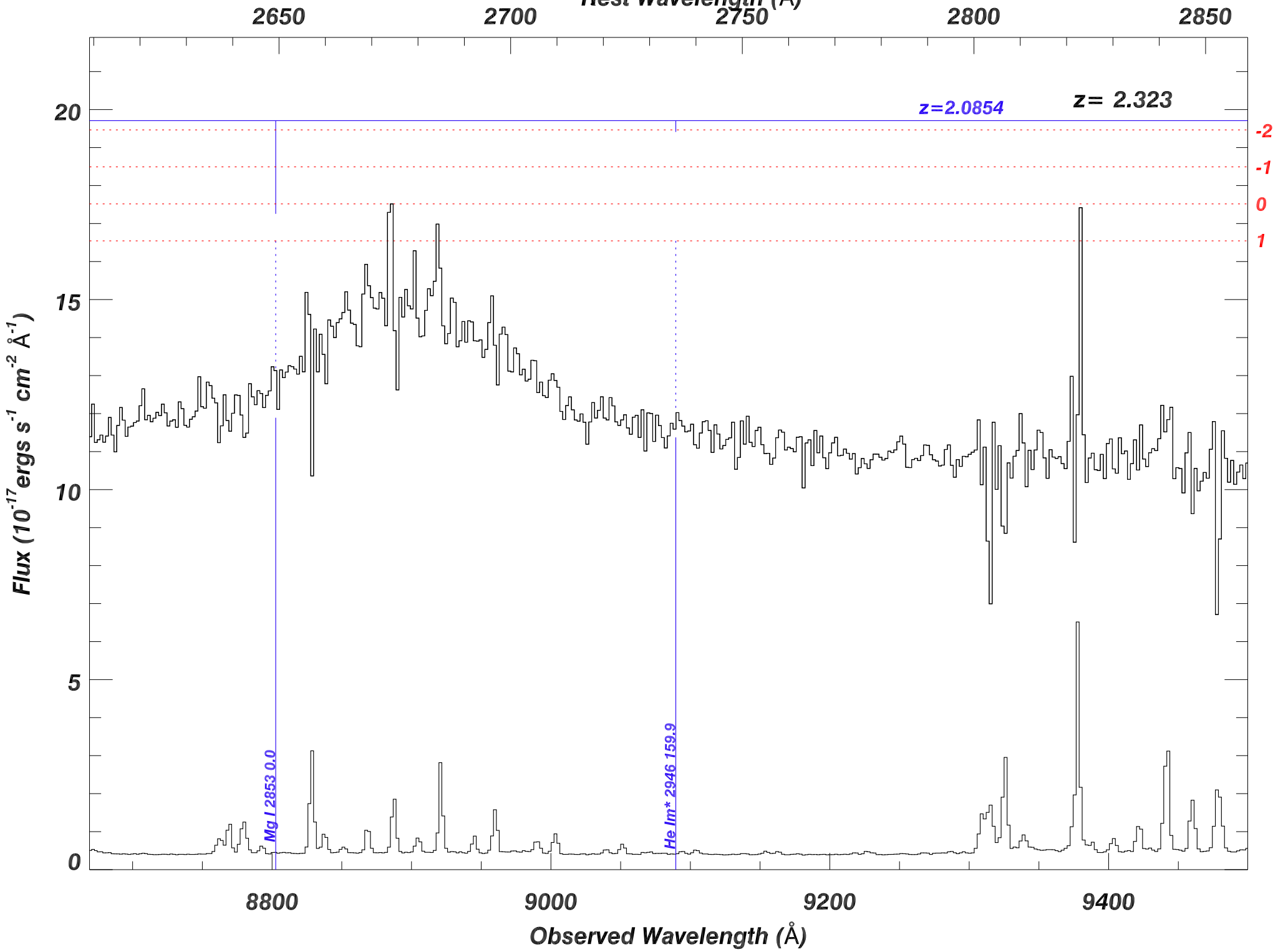
Observed Wavelength (\AA)

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Rest Wavelength (\AA)



SDSS_J0152+0929_MJD55564

Rest Wavelength (\AA)

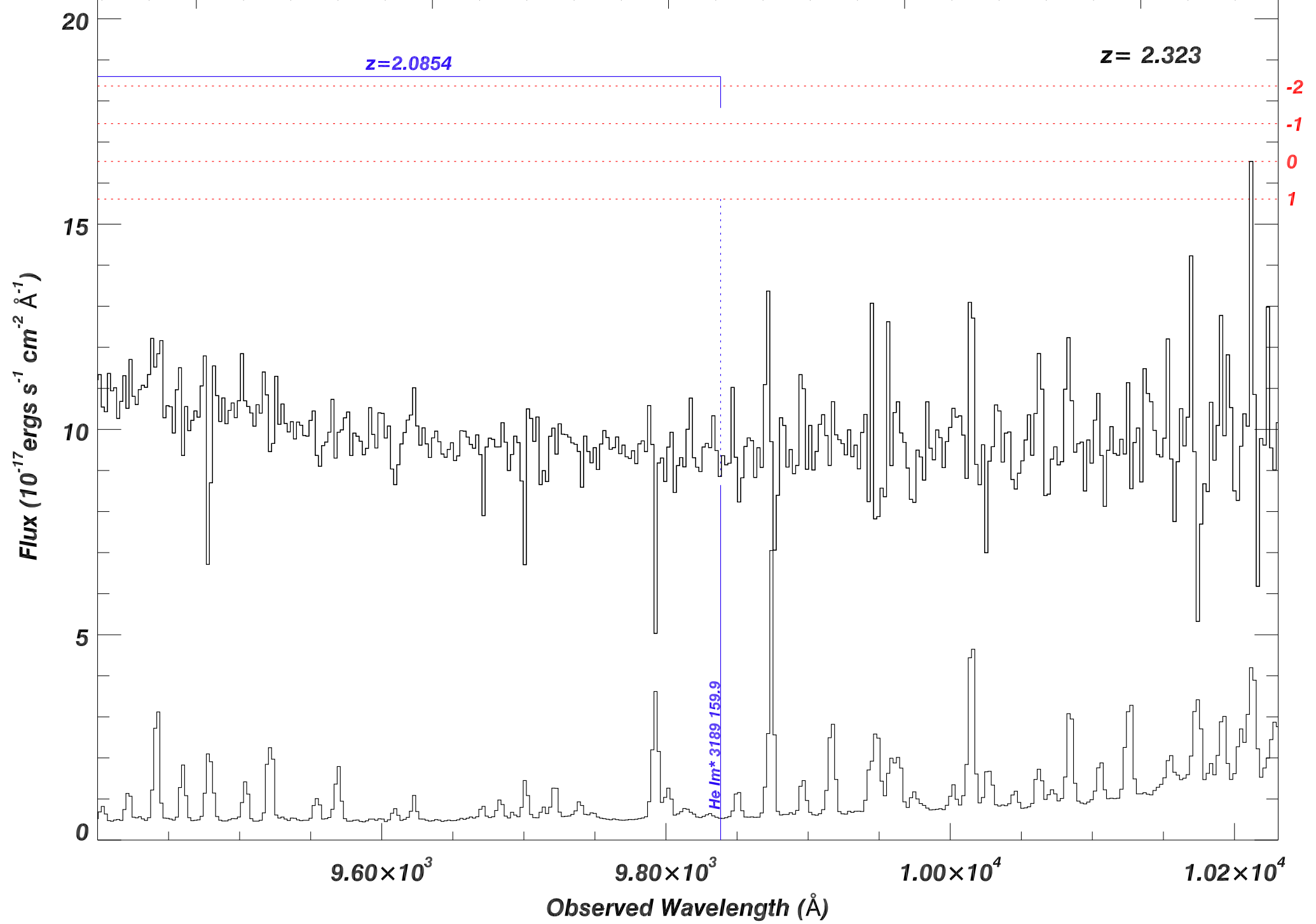
2850

2900

2950

3000

3050



$z=2.0854$

$z=2.323$

He I λ 3189 159.9

9.60×10^3

9.80×10^3

1.00×10^4

1.02×10^4

Observed Wavelength (\AA)

SDSS_J0152+0929_MJD55564

Rest Wavelength (\AA)

3100

3200

3300

3400

z = 2.323

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



1.02×10^4 1.04×10^4 1.06×10^4 1.08×10^4 1.10×10^4 1.12×10^4 1.14×10^4

Observed Wavelength (\AA)