

SDSS_J0030+2754_MJD56550

Rest Wavelength (Å)

1000

1500

2000

2500

z = 3.092

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

50

40

30

20

10

0

4000

5000

6000

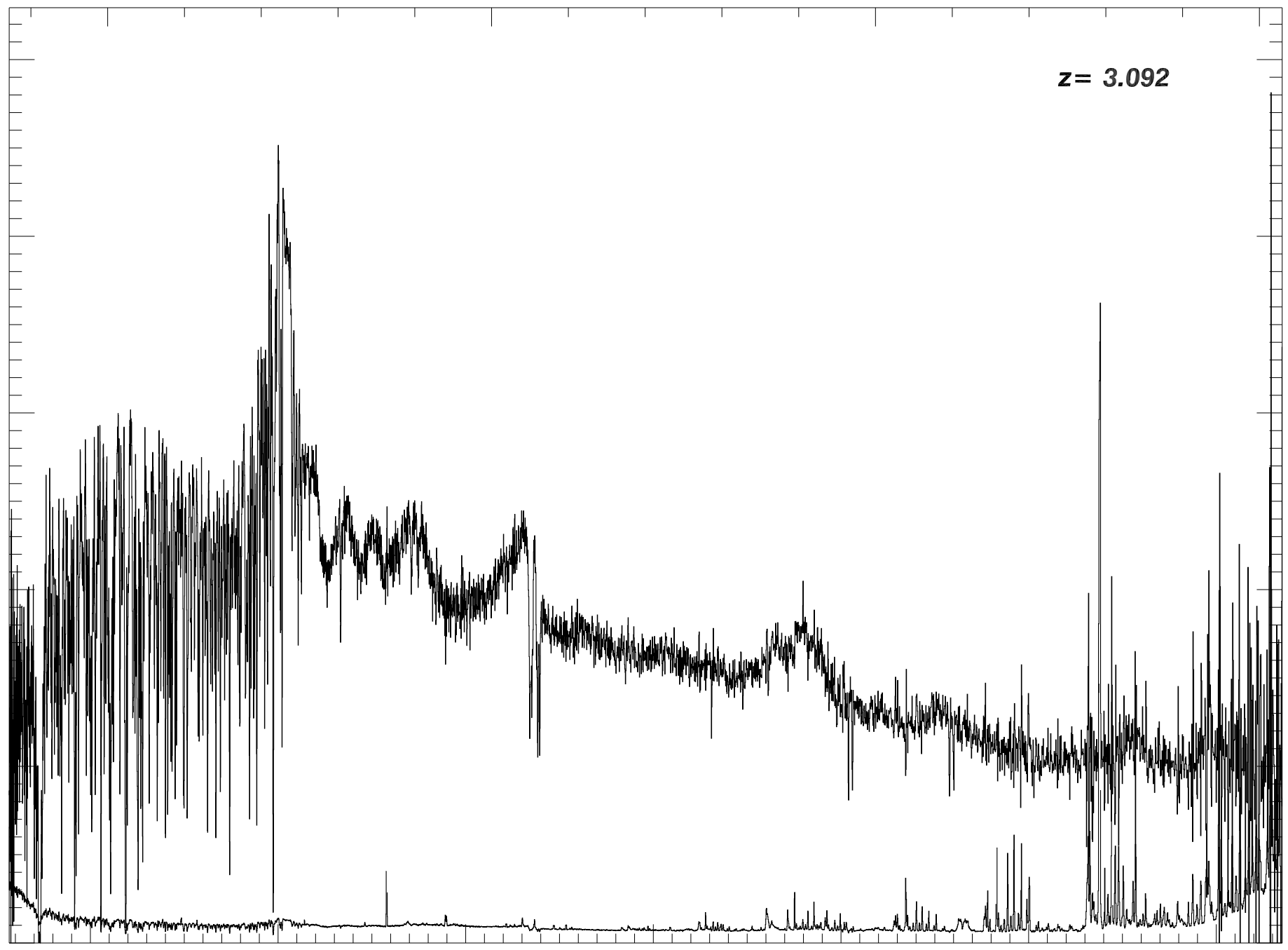
7000

8000

9000

10000

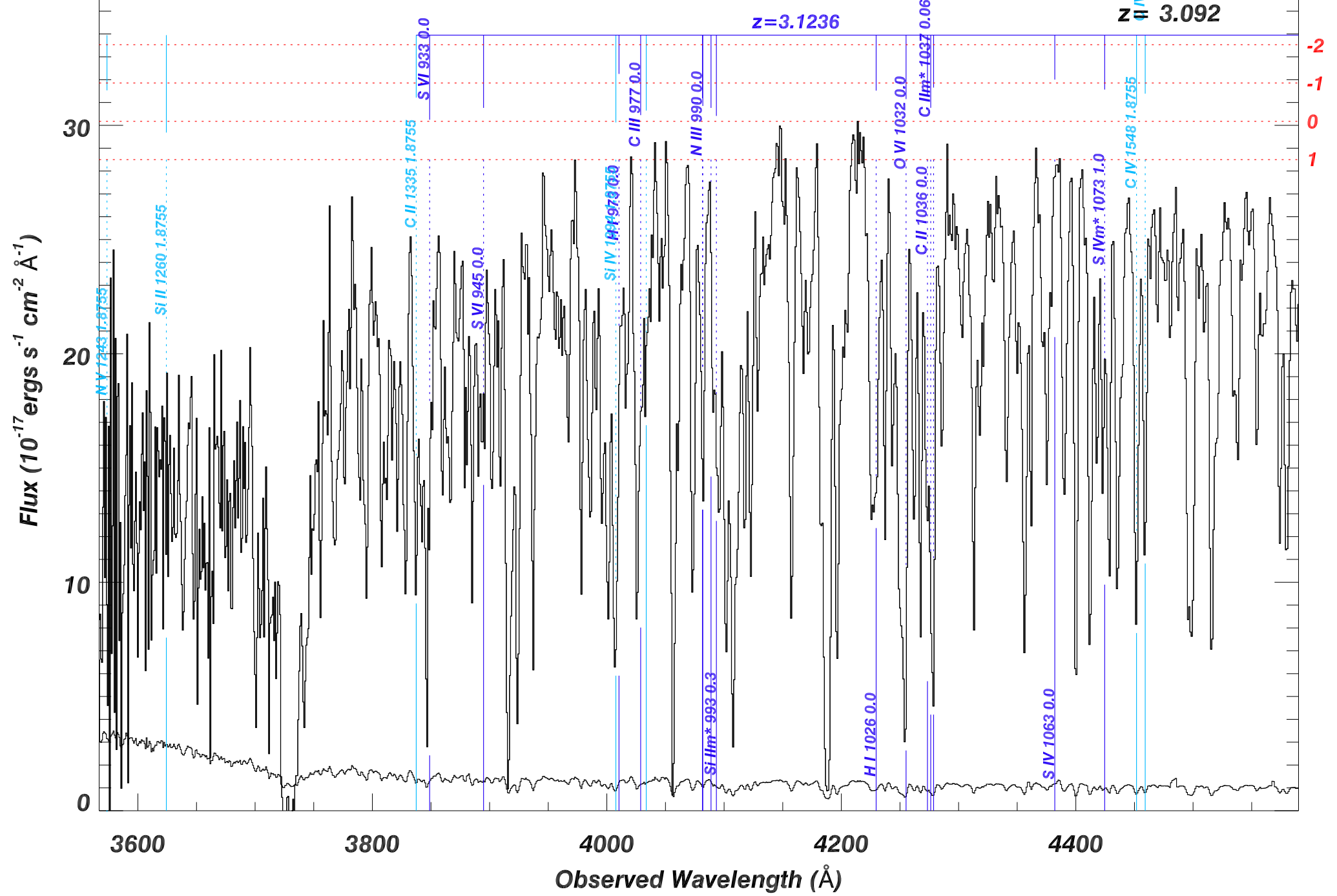
Observed Wavelength (Å)



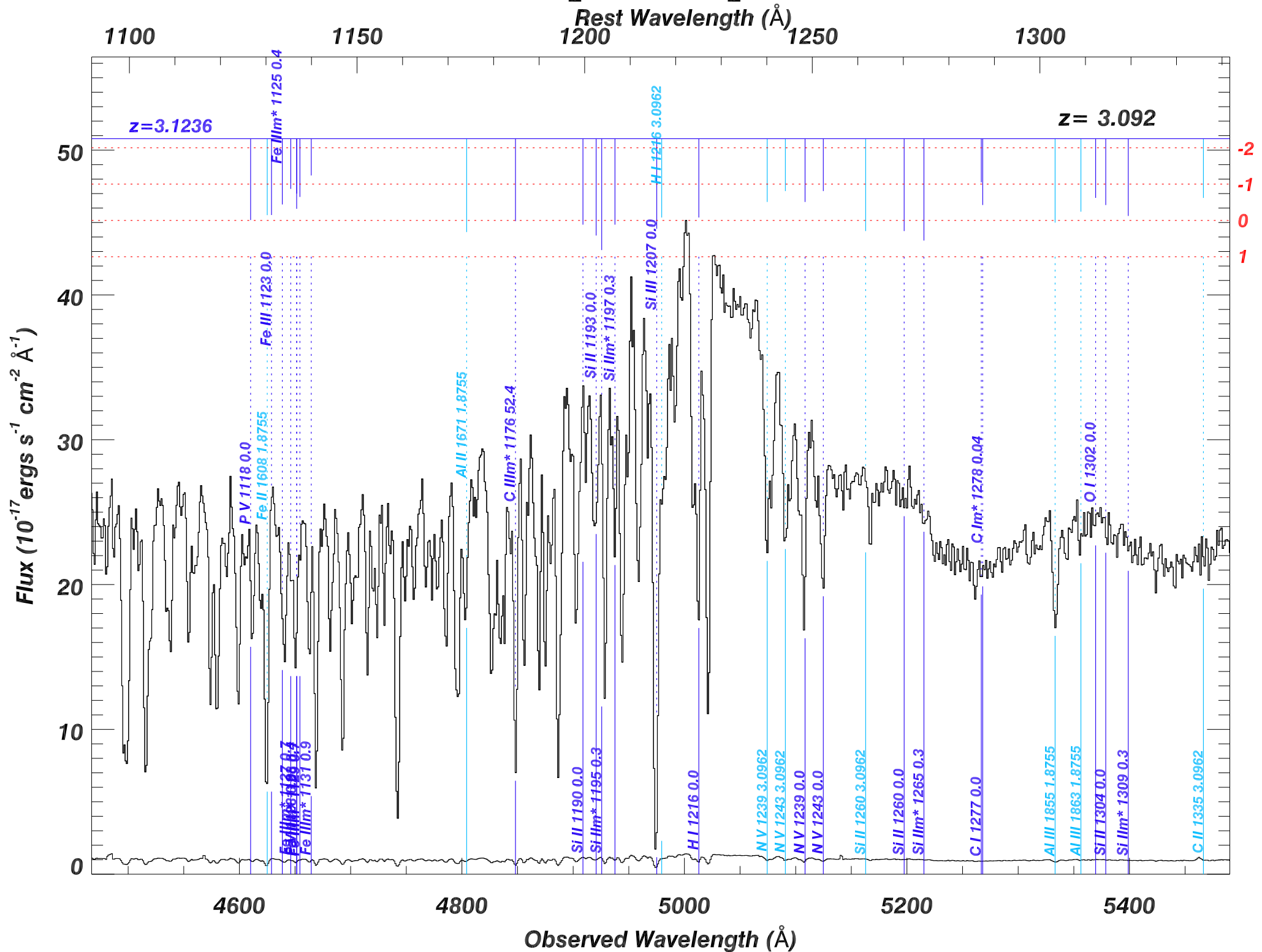
SDSS_J0030+2754_MJD56550

Rest Wavelength (\AA)

900 950 1000 1050 1100



SDSS_J0030+2754_MJD56550



SDSS_J0030+2754_MJD56550

Rest Wavelength (\AA)

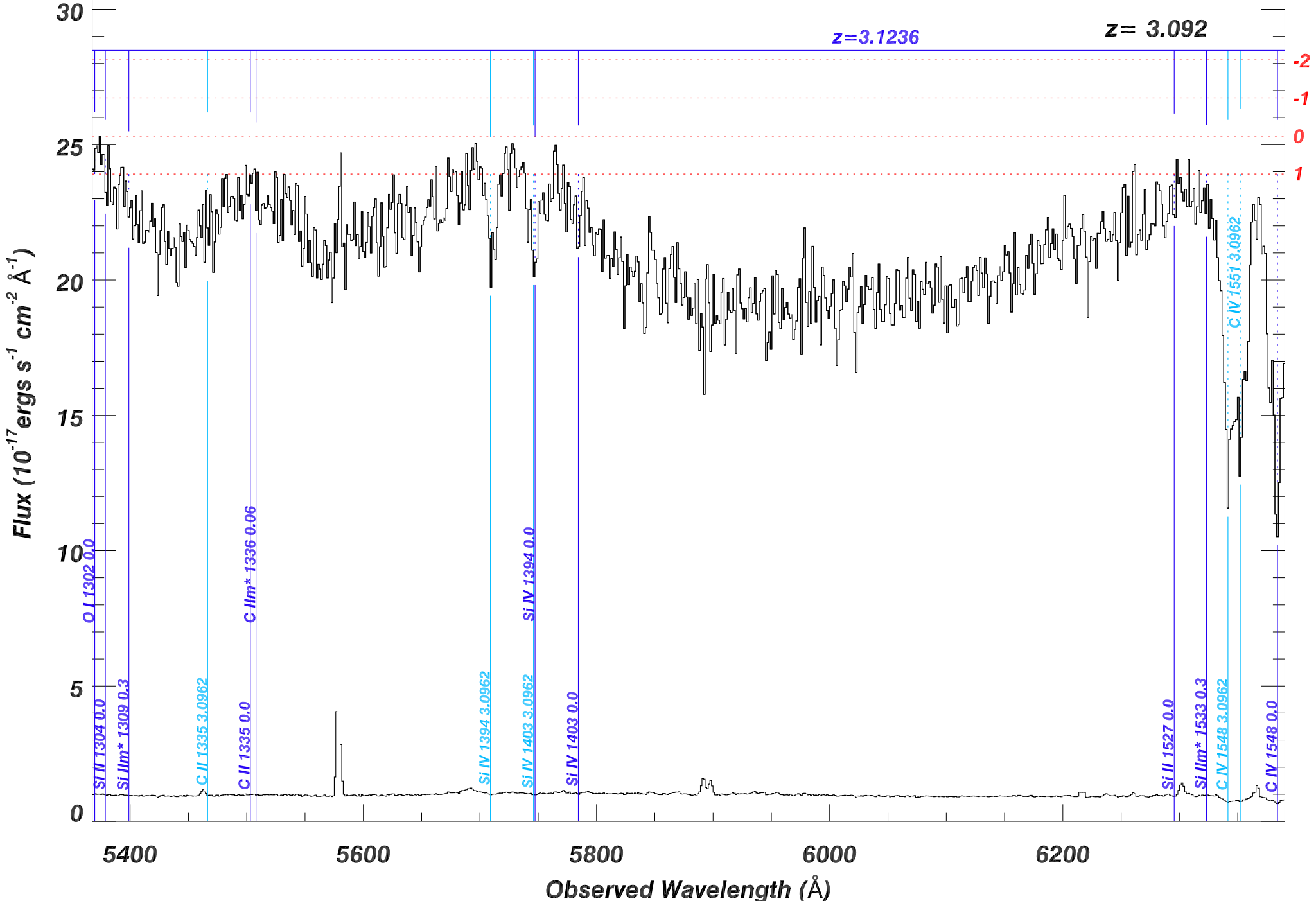
1350

1400

1450

1500

1550



SDSS_J0030+2754_MJD56550

Rest Wavelength (\AA)

1550

1600

1650

1700

1750

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

30

25

20

15

10

5

0

$z=3.1236$

$z=3.092$

-2

-1

0

1

6400

6600

6800

7000

7200

Observed Wavelength (\AA)

Si II 1527 0.0

Si III* 1533 0.3

C IV 1548 3.0962

C IV 1548 0.0

C IV 1551 0.0

C I 1560 0.0

C III* 1561 0.04

Fe II 1608 3.0962

Fe II 1608 0.0

Fe II 2344 1.8755

Fe II 2344 1.8755

Al III 1671 3.0962

Al III 1671 0.0

Fe II 2383 1.8755

Al III 1766 0.0

Al III* 1766 0.1

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Rest Wavelength (\AA)

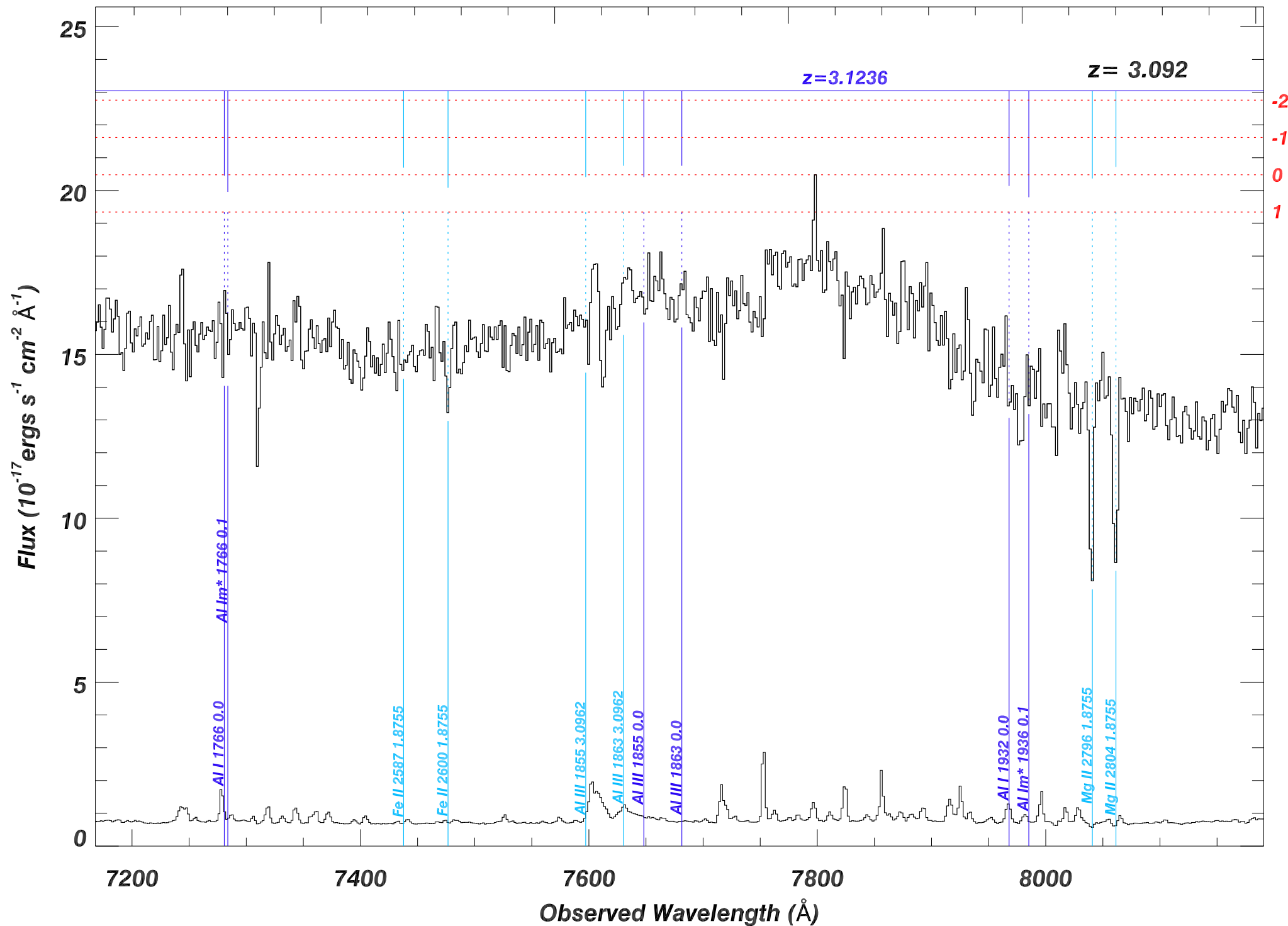
1800

1850

1900

1950

2000



SDSS_J0030+2754_MJD56550

Rest Wavelength (\AA)

2000

2050

2100

2150

2200

$z=3.1236$

$z=3.092$

-2
-1
0
1

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

15

10

5

0

8200

8400

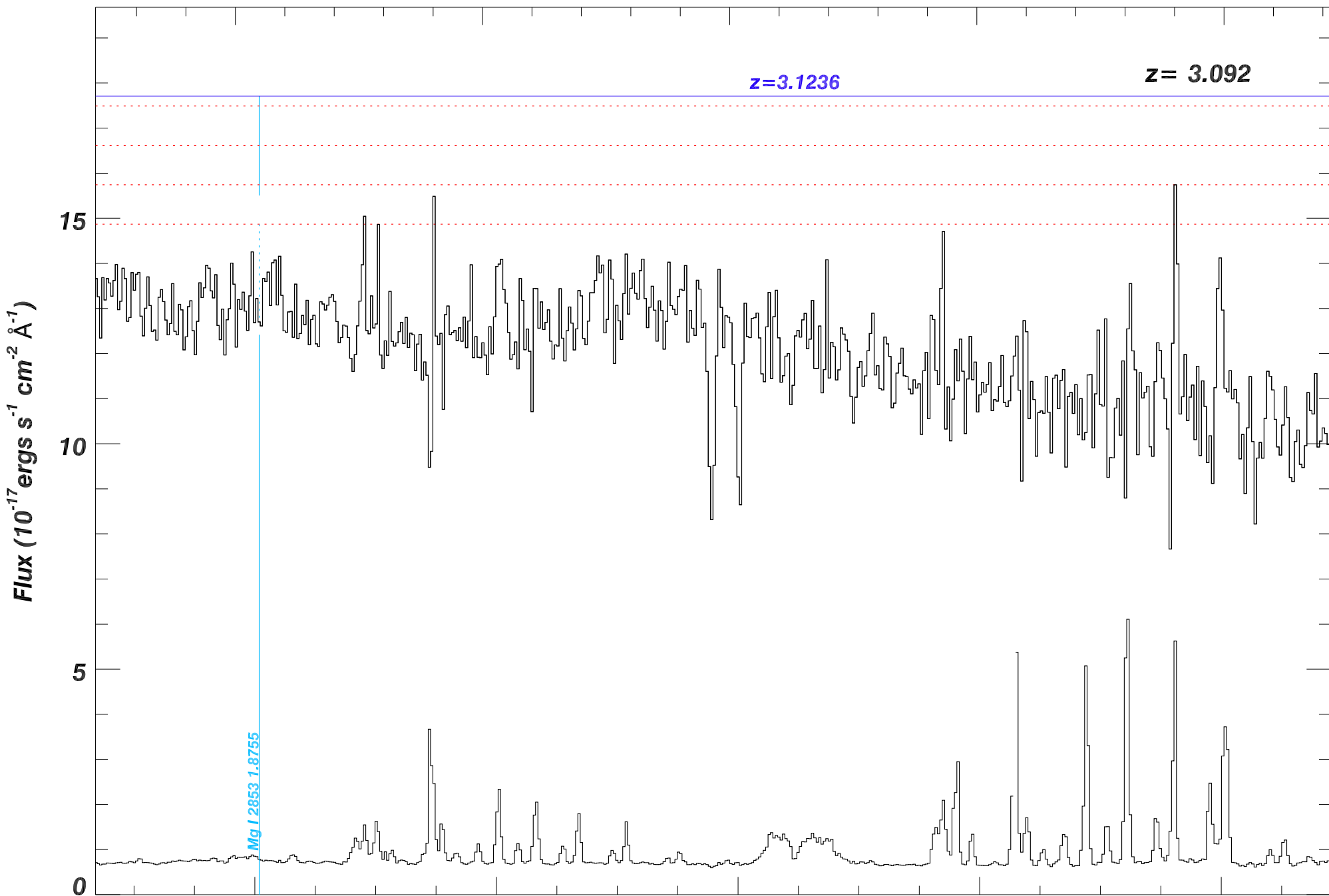
8600

8800

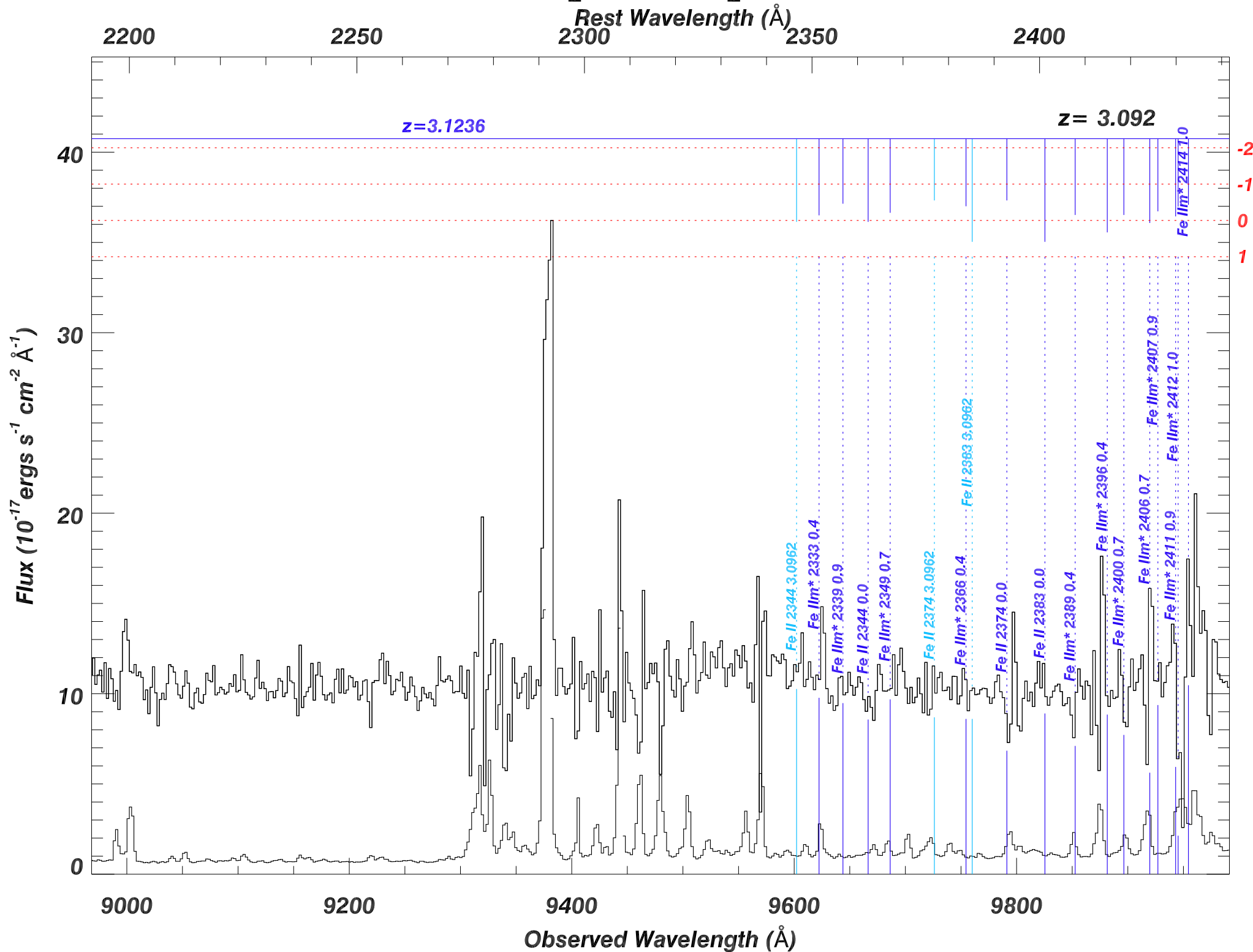
9000

Observed Wavelength (\AA)

Mg I 2853 1.8755



SDSS_J0030+2754_MJD56550



SDSS_J0030+2754_MJD56550

Rest Wavelength (\AA)

2450

2500

2550

2600

2650

$z=3.1236$

$z=3.092$

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

60
50
40
30
20
10
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 (\AA)

