

SDSS_J1453+0401_MJD55706

Rest Wavelength (\AA)

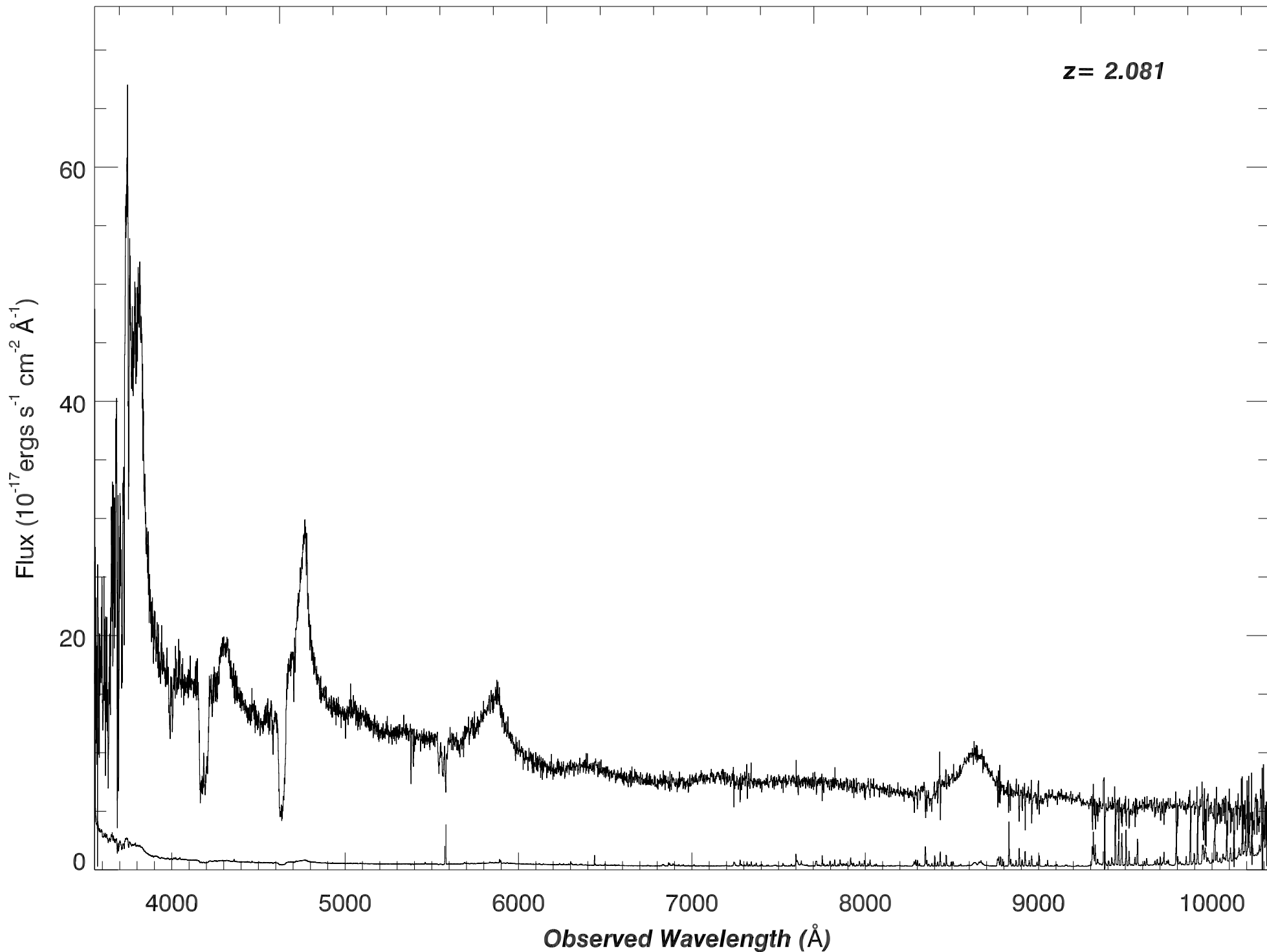
1500

2000

2500

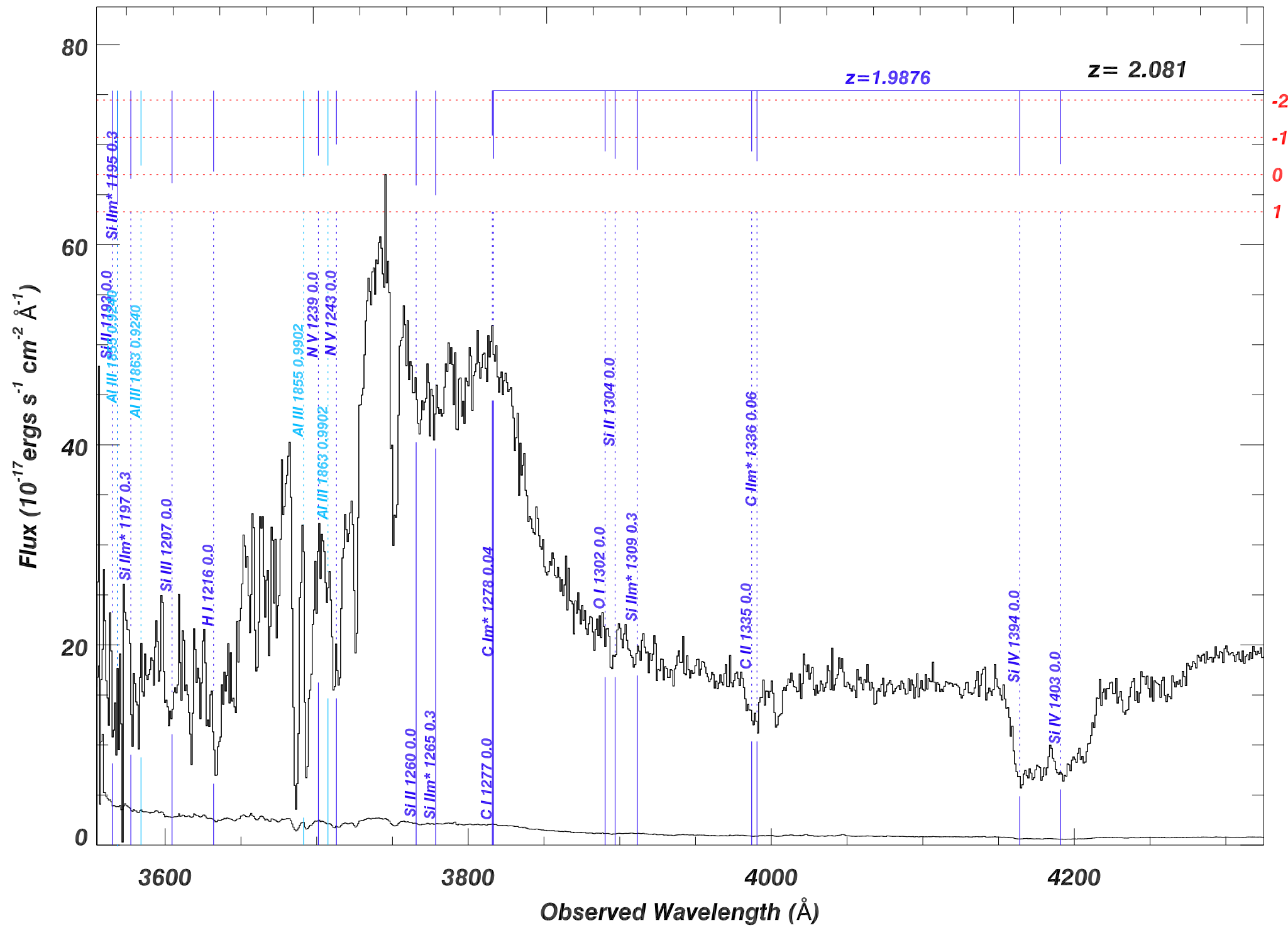
3000

$z = 2.081$



SDSS_J1453+0401_MJD55706

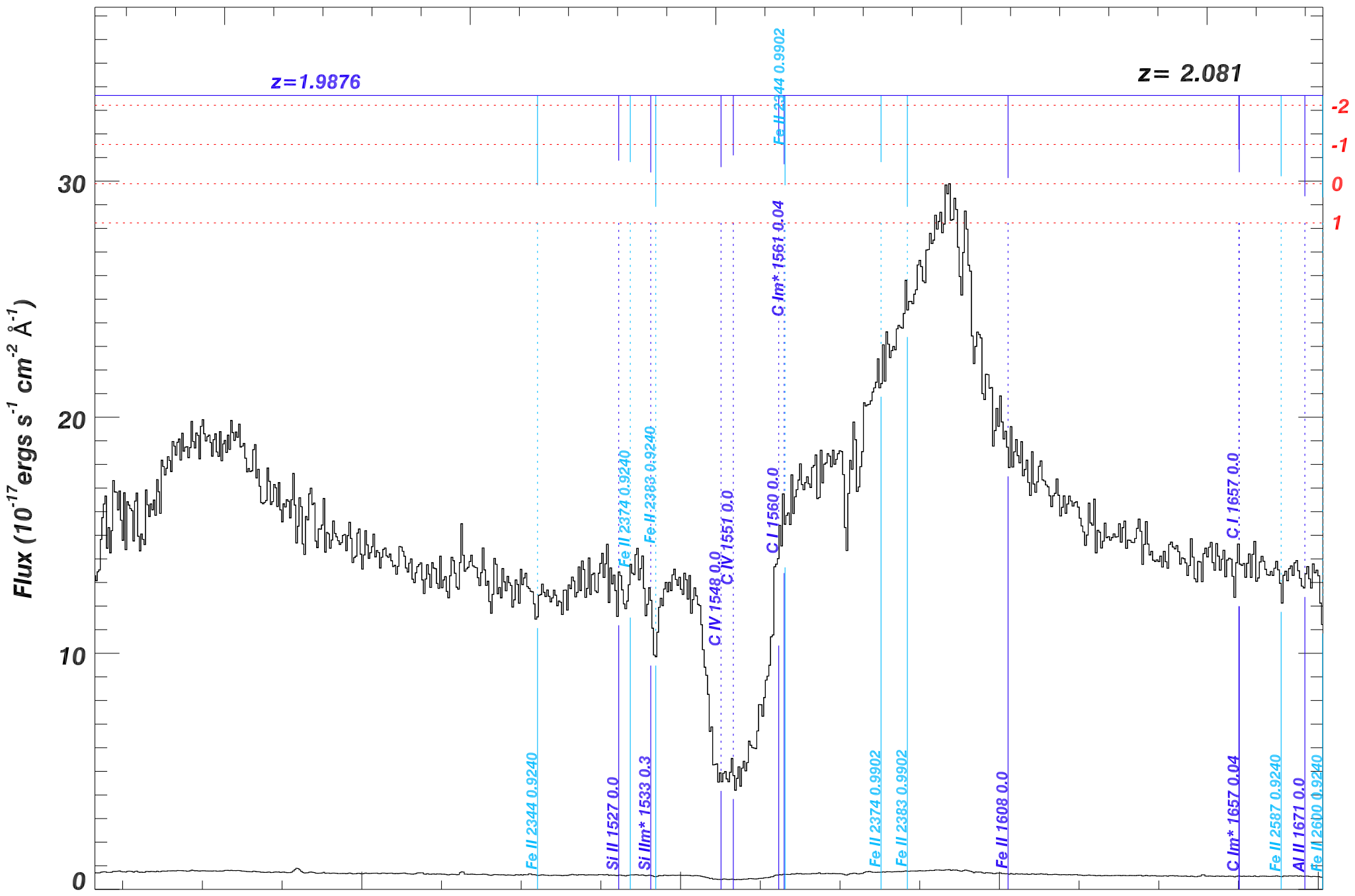
Rest Wavelength (Å)



SDSS_J1453+0401_MJD55706

Rest Wavelength (\AA)

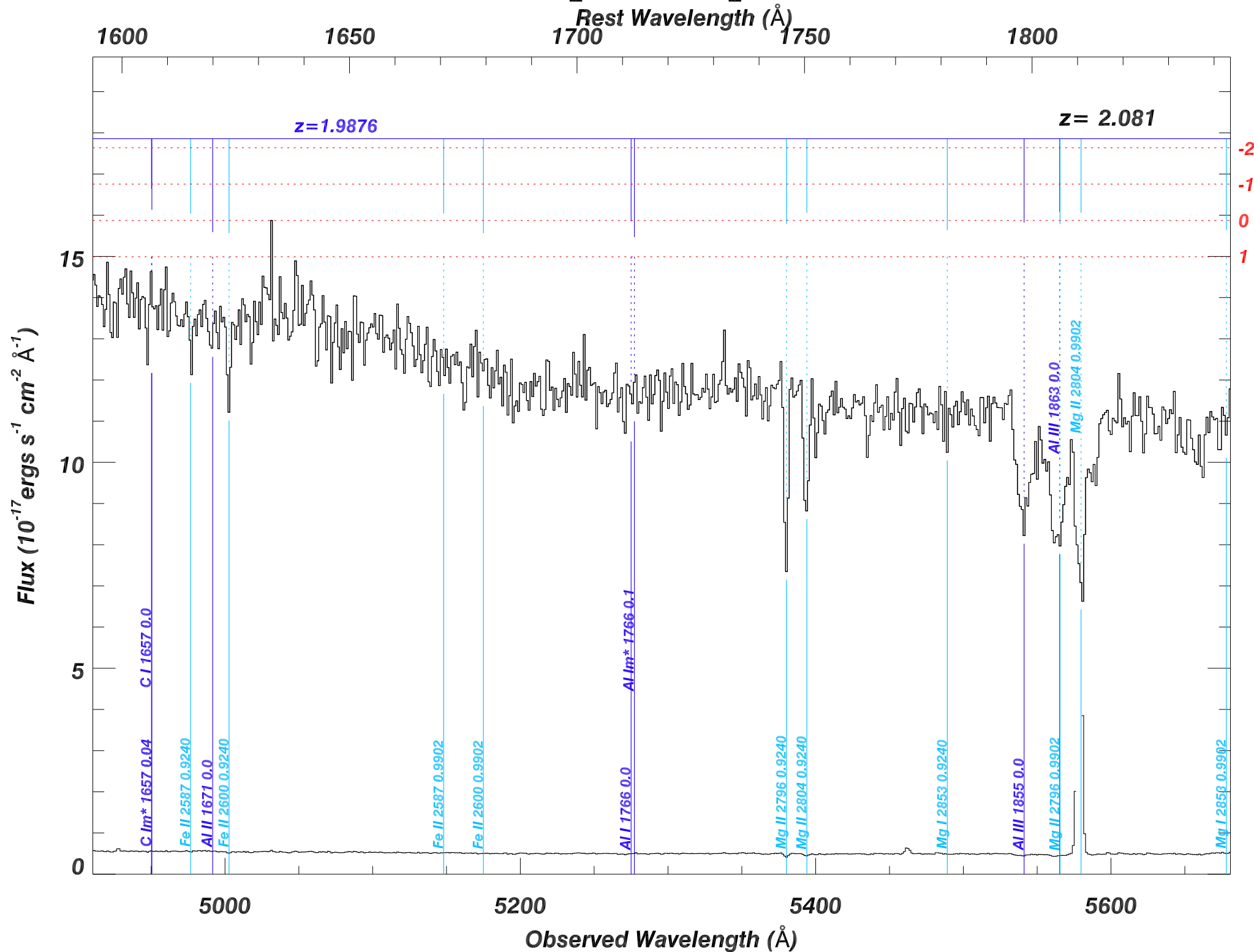
1400 1450 1500 1550 1600



4400 4600 4800 5000

Observed Wavelength (\AA)

SDSS_J1453+0401_MJD55706



SDSS_J1453+0401_MJD55706

Rest Wavelength (\AA)

1850

1900

1950

2000

2050

20

15

10

5

0

$z=1.9876$

$z=2.081$

-2

-1

0

1

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

Mg I 2853 0.9902

Al I 1932 0.0
Al I m* 1936 0.1

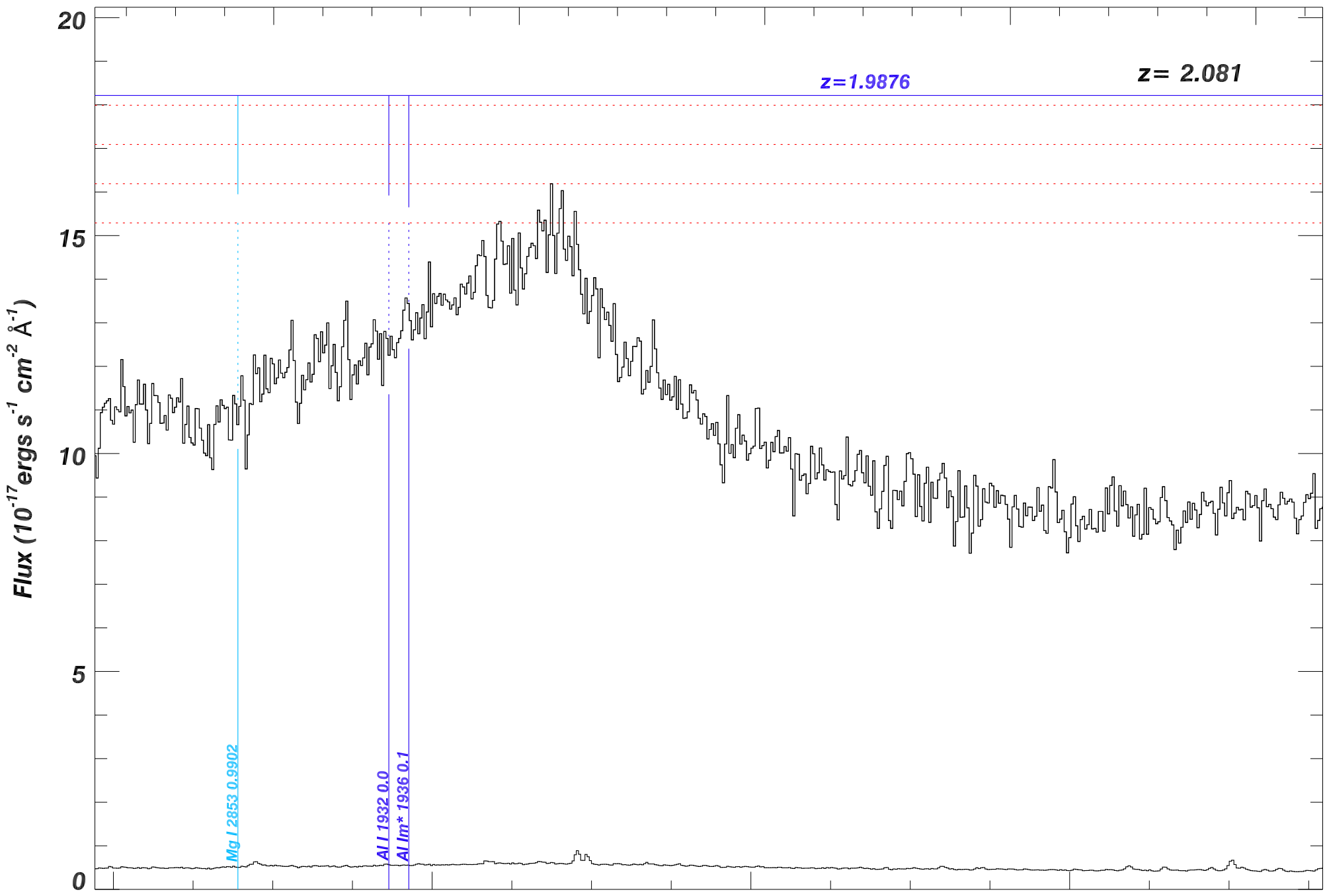
5600

5800

6000

6200

Observed Wavelength (\AA)



SDSS_J1453+0401_MJD55706

Rest Wavelength (\AA)

2050

2100

2150

2200

2250

$z=1.9876$

$z=2.081$

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

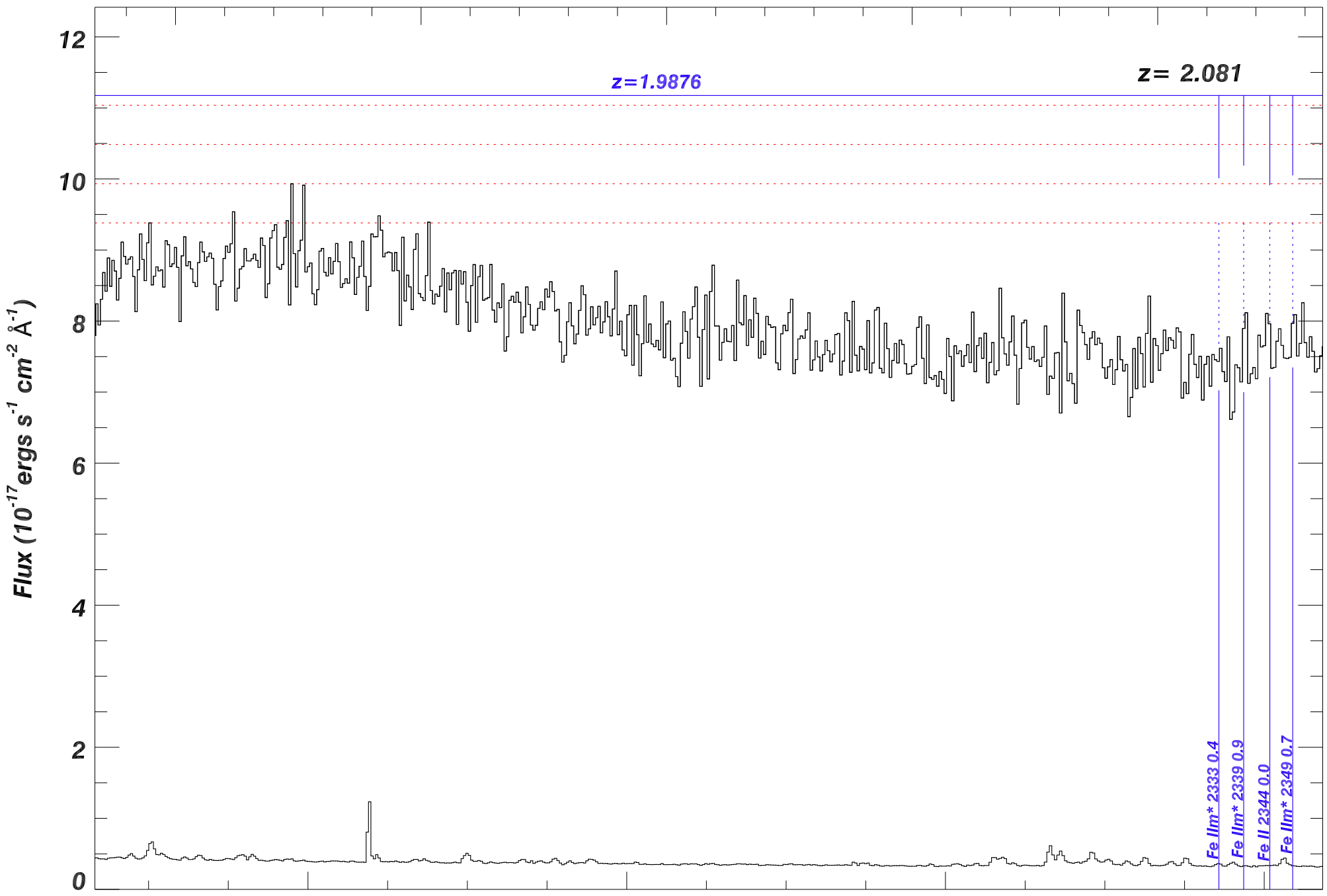
Observed Wavelength (\AA)

Fe II m* 2333 0.4

Fe II m* 2339 0.9

Fe II 2344 0.0

Fe II m* 2349 0.7



SDSS_J1453+0401_MJD55706

Rest Wavelength (\AA)

2300

2350

2400

2450

2500

$z=1.9876$

$z=2.081$

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

10

8

6

4

2

0

-2
-1
0
1

7000

7200

7400

7600

Observed Wavelength (\AA)

Fe II m* 2333 0.4

Fe II m* 2339 0.9

Fe II 2344 0.0

Fe II m* 2349 0.7

Fe II m* 2366 0.4

Fe II 2374 0.0

Fe II 2383 0.0

Fe II m* 2389 0.4

Fe II m* 2396 0.4

Fe II m* 2400 0.7

Fe II m* 2406 0.7

Fe II m* 2411 0.9

Fe II m* 2412 1.0

Fe II m* 2414 1.0

Fe I 2484 0.0

Fe I 2524 0.0

Ca II 3935 0.9240

Ca II 3970 0.9240

Mn II 2577 0.0

SDSS_J1453+0401_MJD55706

Rest Wavelength (\AA)

2500

2550

2600

2650

2700

10

$z=1.9876$

$z=2.081$

-2
-1
0
1

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

8

6

4

2

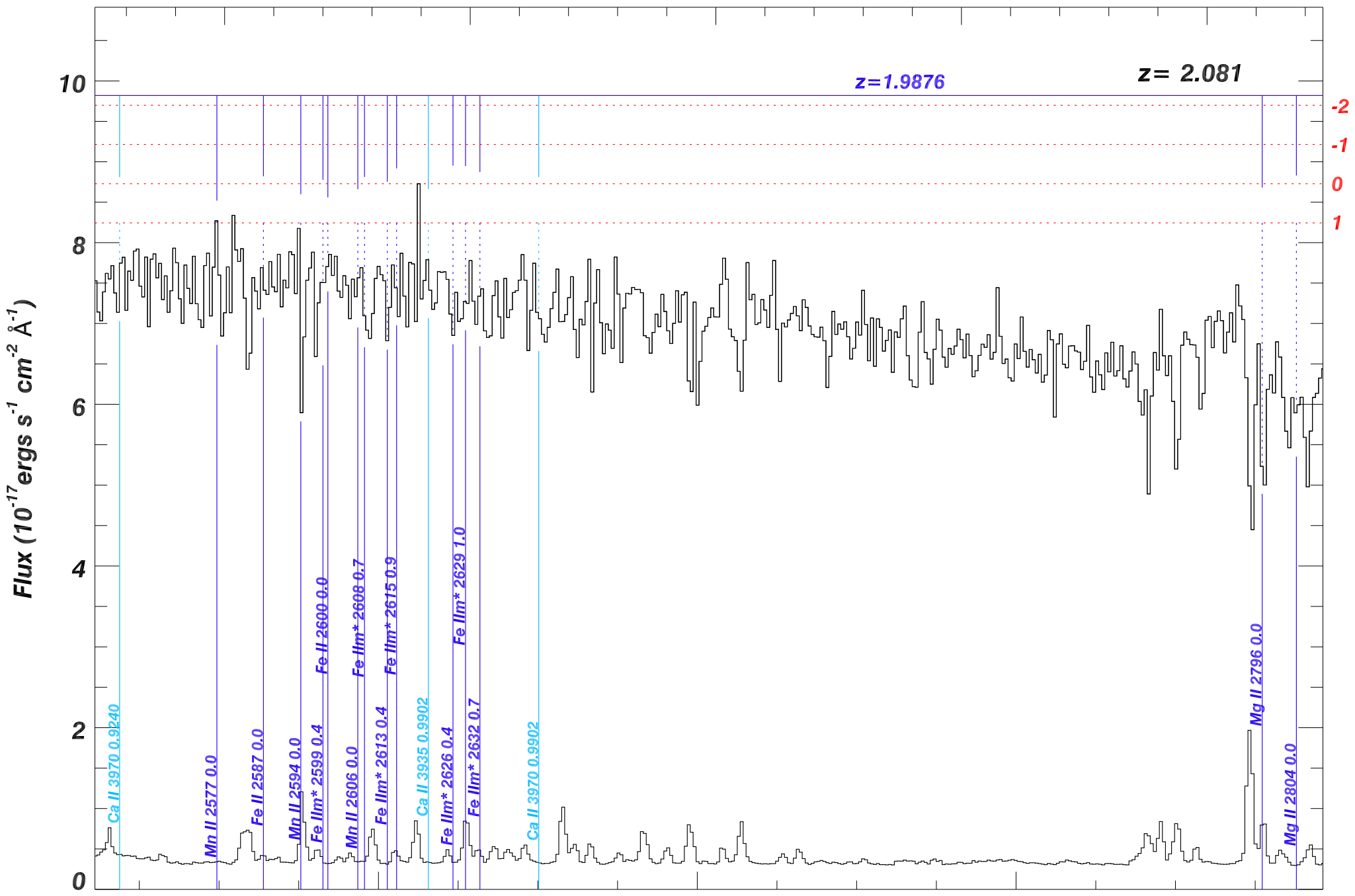
0

7800

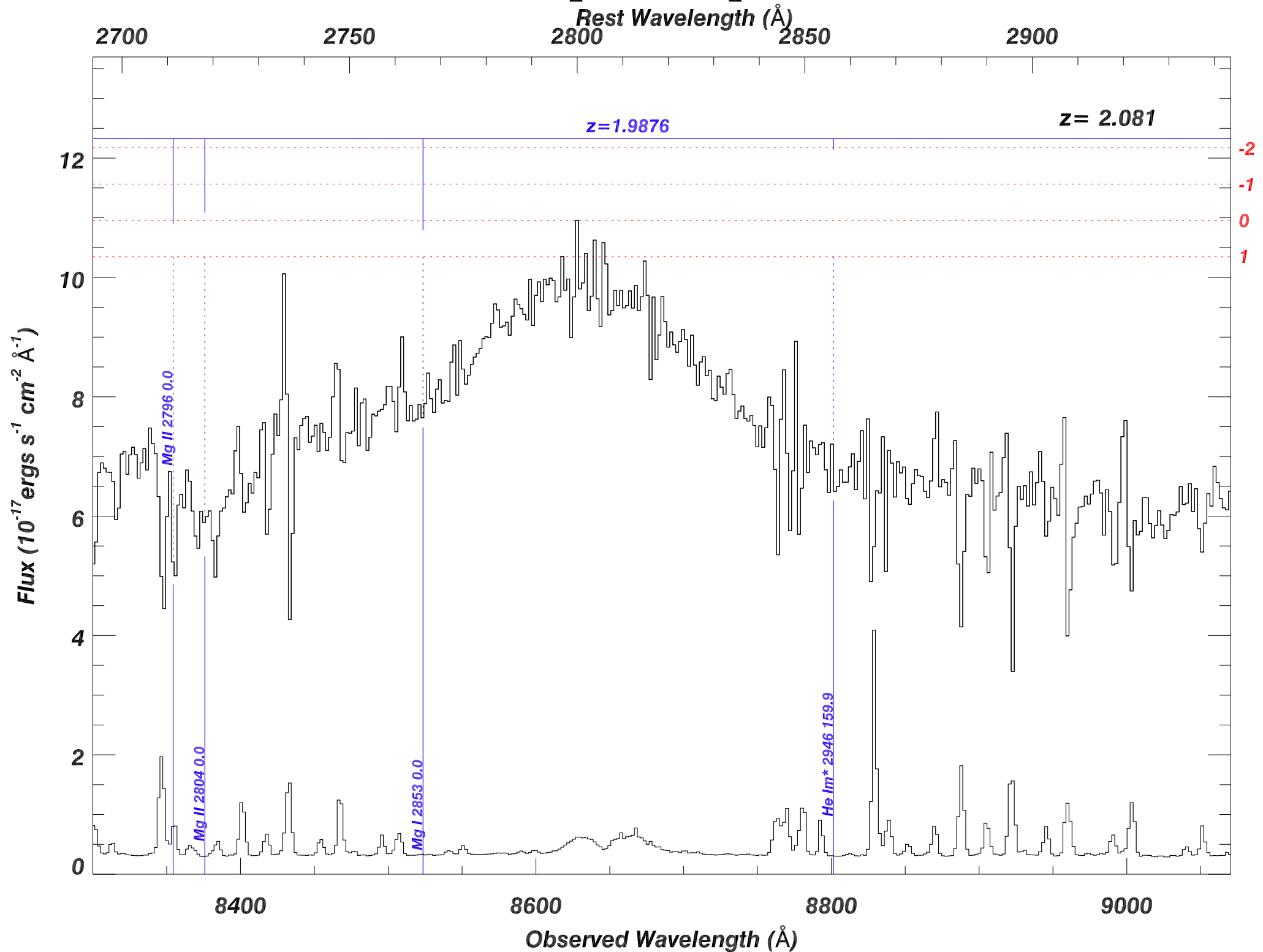
8000

8200

Observed Wavelength (\AA)



SDSS_J1453+0401_MJD55706



SDSS_J1453+0401_MJD55706

Rest Wavelength (\AA)

2950

3000

3050

3100

3150

$z=1.9876$

$z=2.081$

-2
-1
0
1

He I $m^*_{.3189.159.9}$

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

8
6
4
2
0

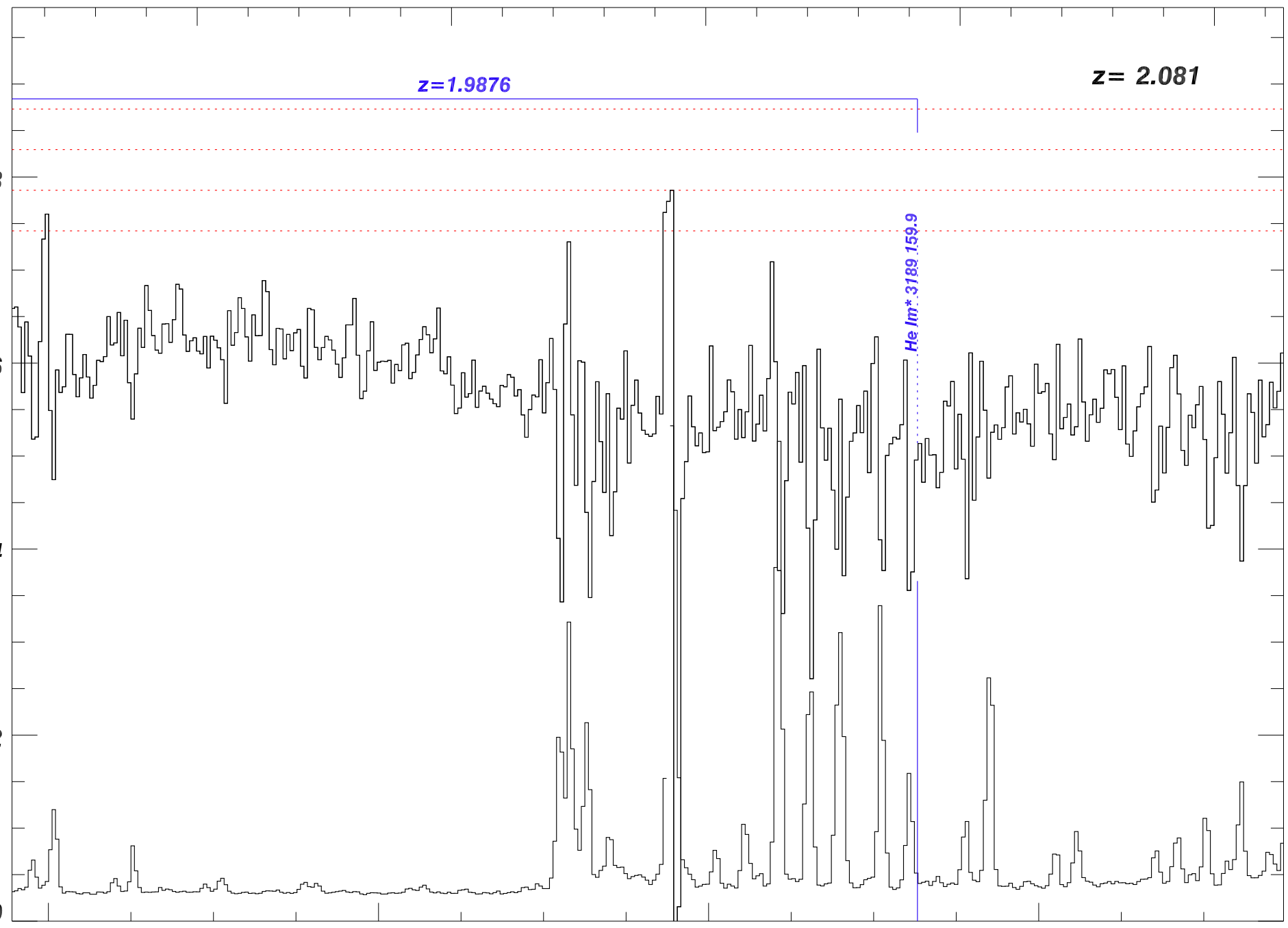
9000

9200

9400

9600

Observed Wavelength (\AA)



SDSS_J1453+0401_MJD55706

Rest Wavelength (\AA)

3200

3300

3400

3500

$z = 2.081$

