

**SDSS\_J0822+2311\_MJD53317**

*Rest Wavelength (Å)*

2500

3000

3500

4000

4500

5000

5500

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

**z = 0.6532**

80

60

40

20

0

4000

5000

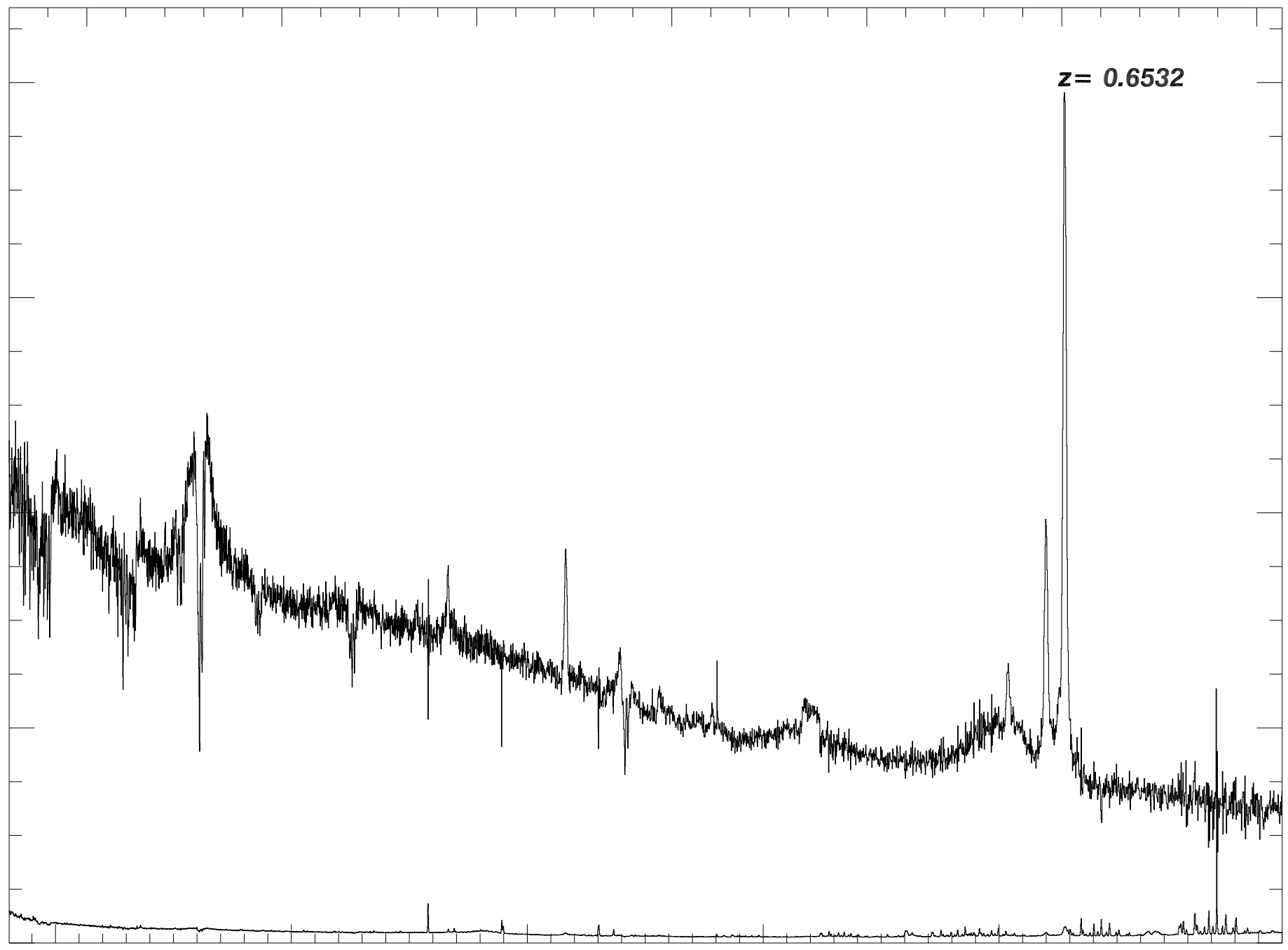
6000

7000

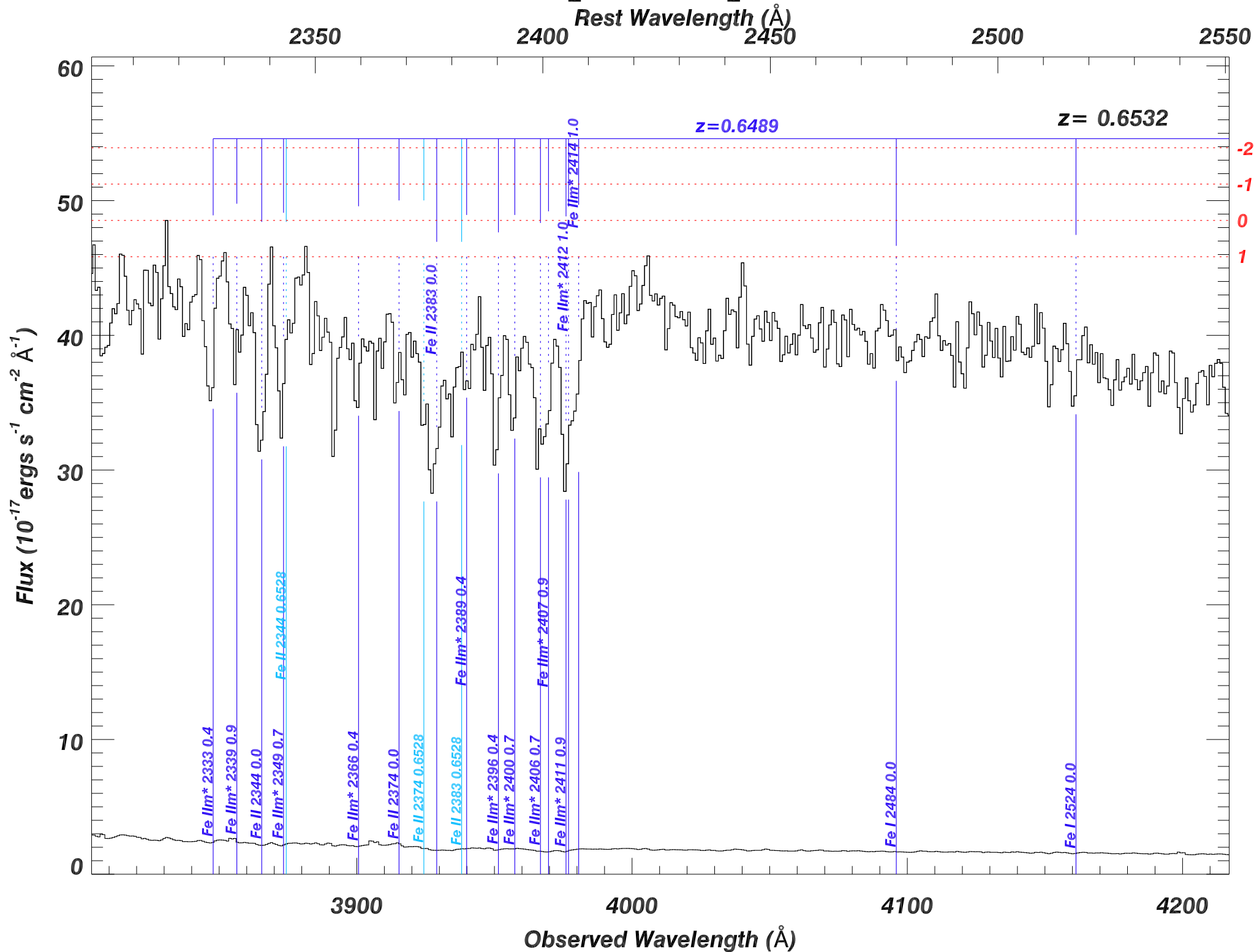
8000

9000

***Observed Wavelength (Å)***

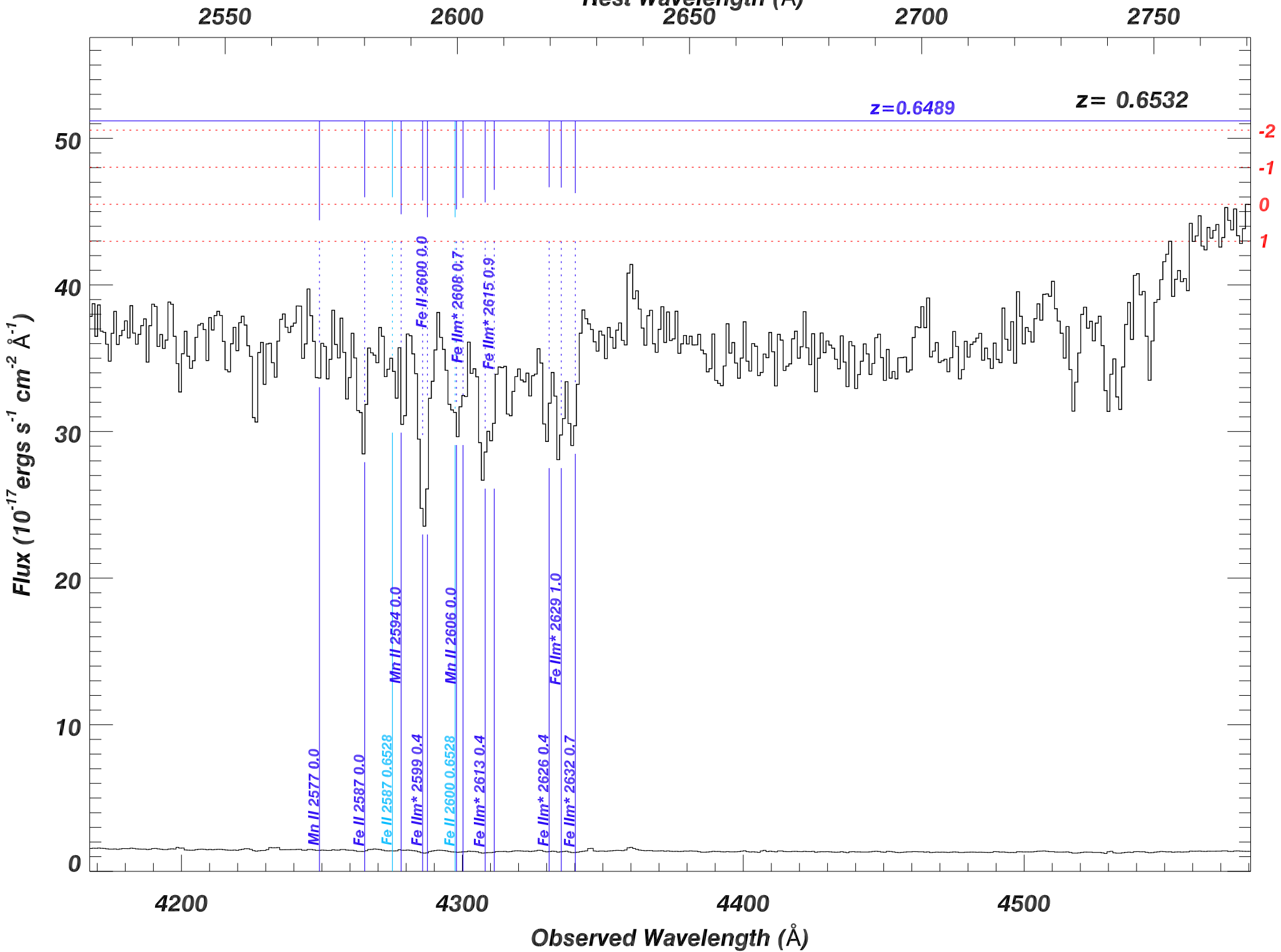


# SDSS\_J0822+2311\_MJD53317

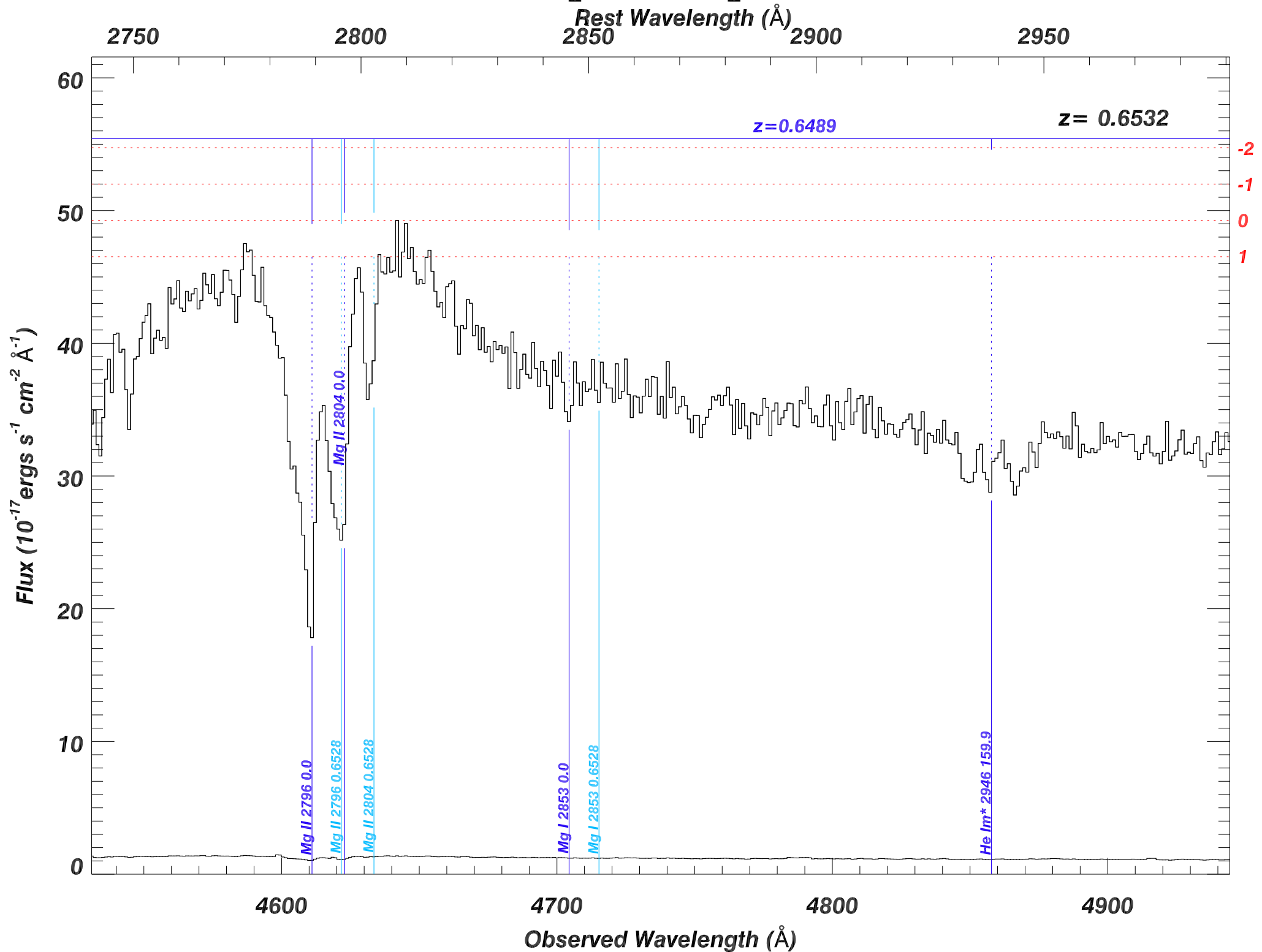


# SDSS\_J0822+2311\_MJD53317

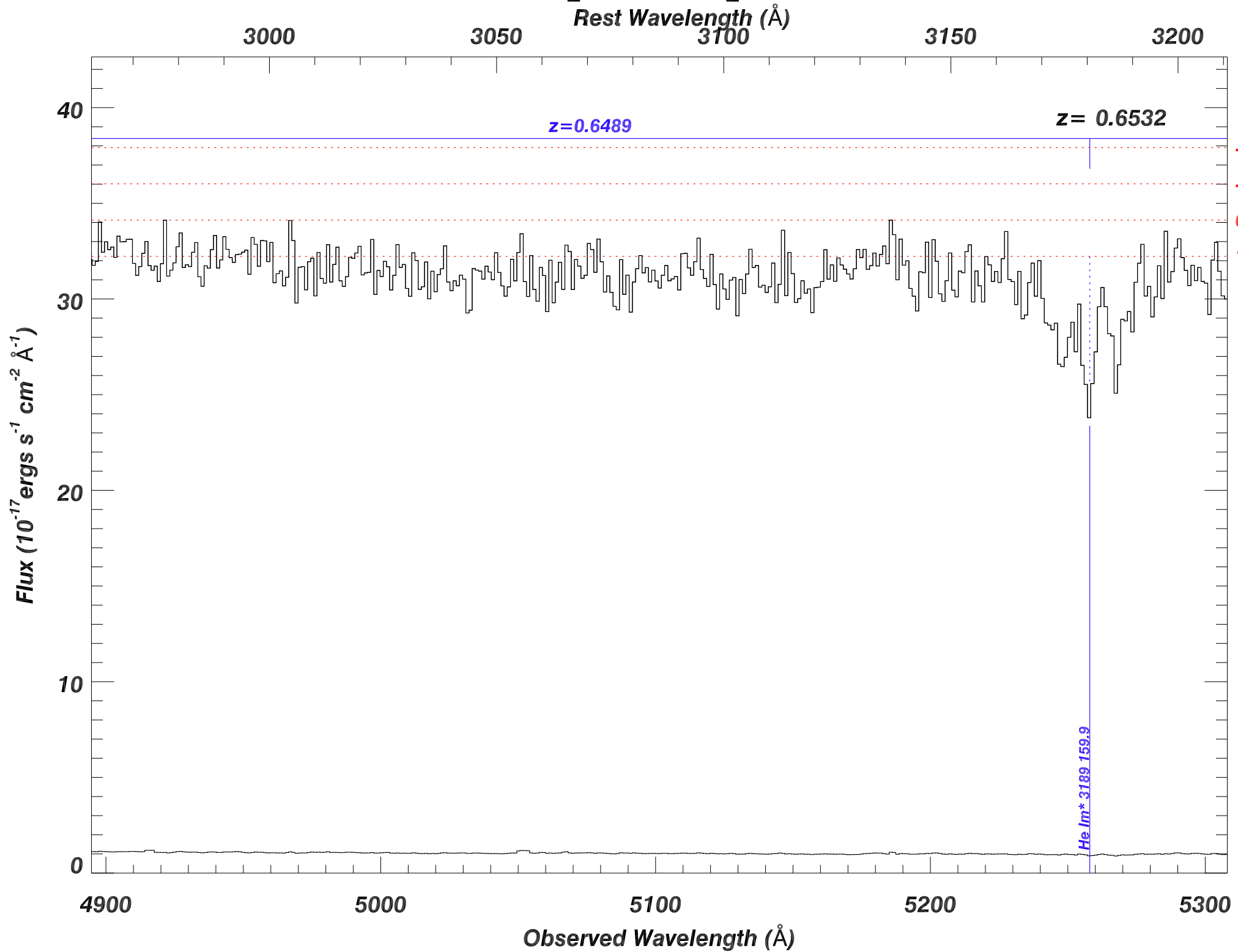
Rest Wavelength ( $\text{\AA}$ )



# SDSS\_J0822+2311\_MJD53317



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# SDSS\_J0822+2311\_MJD53317

Rest Wavelength ( $\text{\AA}$ )

3200

3300

3400

3500

$z = 0.6532$

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

40  
30  
20  
10  
0

-2  
-1  
0  
1

5300

5400

5500

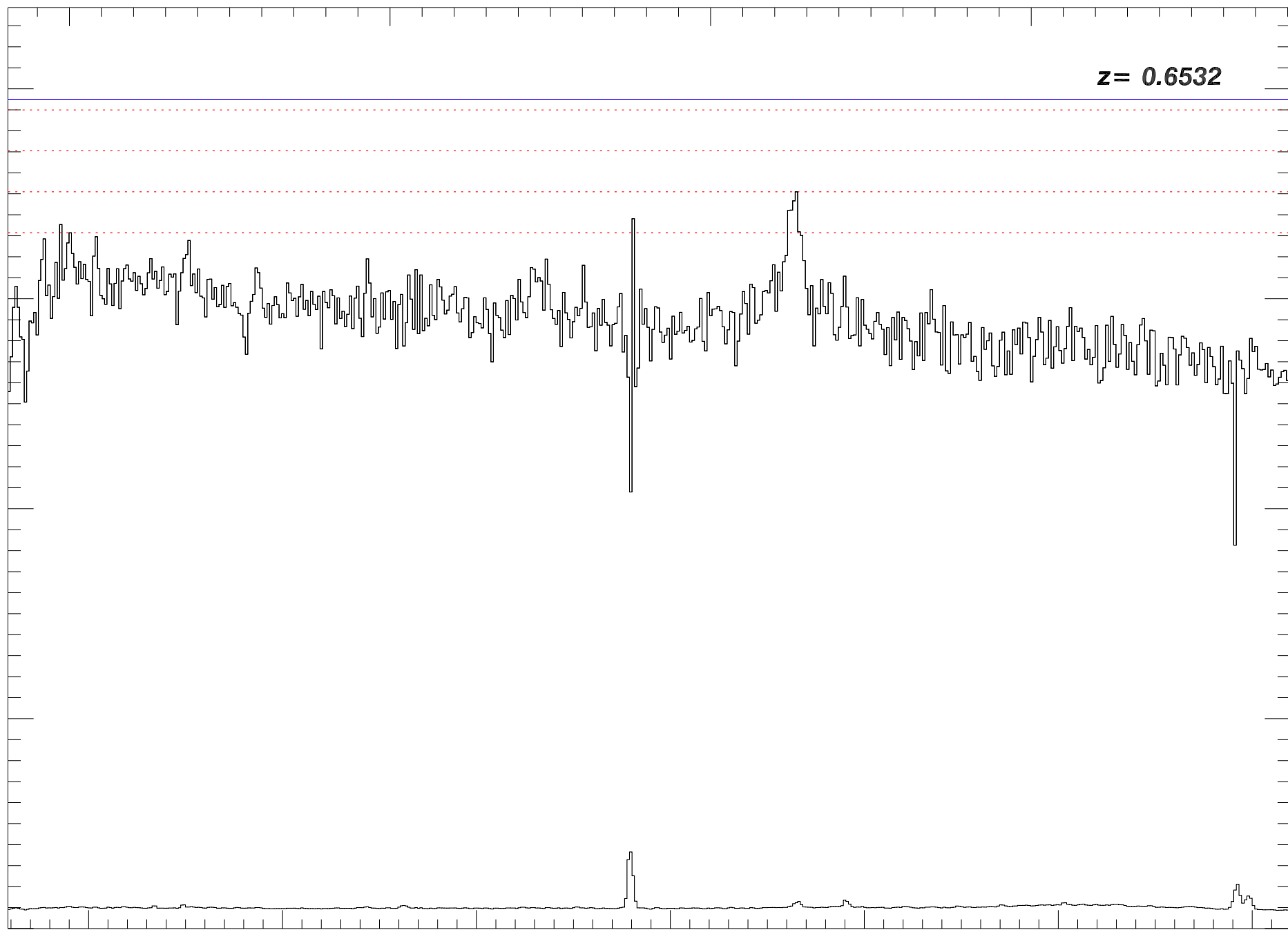
5600

5700

5800

5900

Observed Wavelength ( $\text{\AA}$ )



# SDSS\_J0822+2311\_MJD53317

Rest Wavelength ( $\text{\AA}$ )

3600

3700

3800

3900

$z=0.6489$

$z=0.6532$

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\* 3890 159.9

Ca II 3935 0.0

Ca II 3935 0.6528

5900

6000

6100

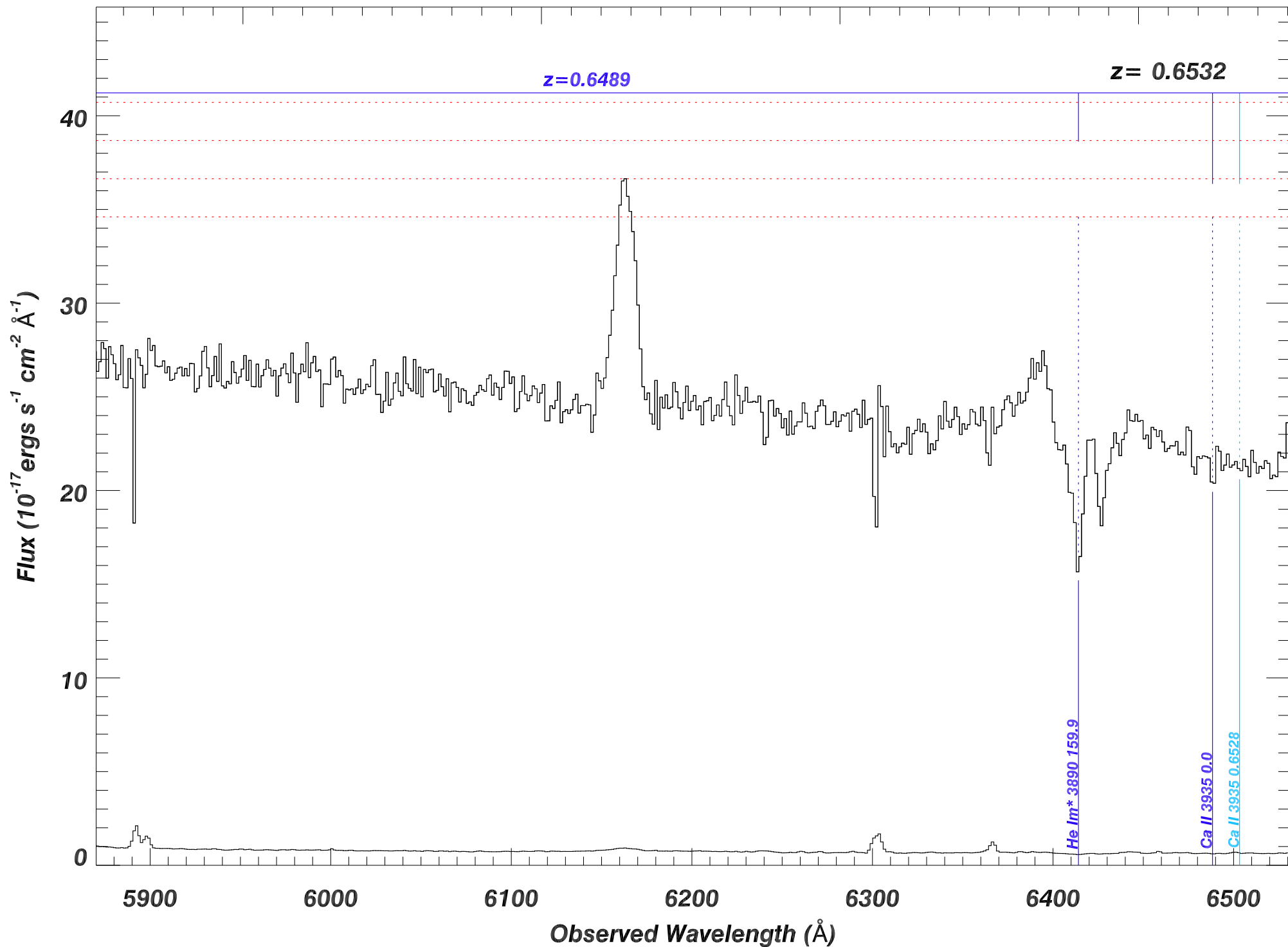
6200

6300

6400

6500

Observed Wavelength ( $\text{\AA}$ )

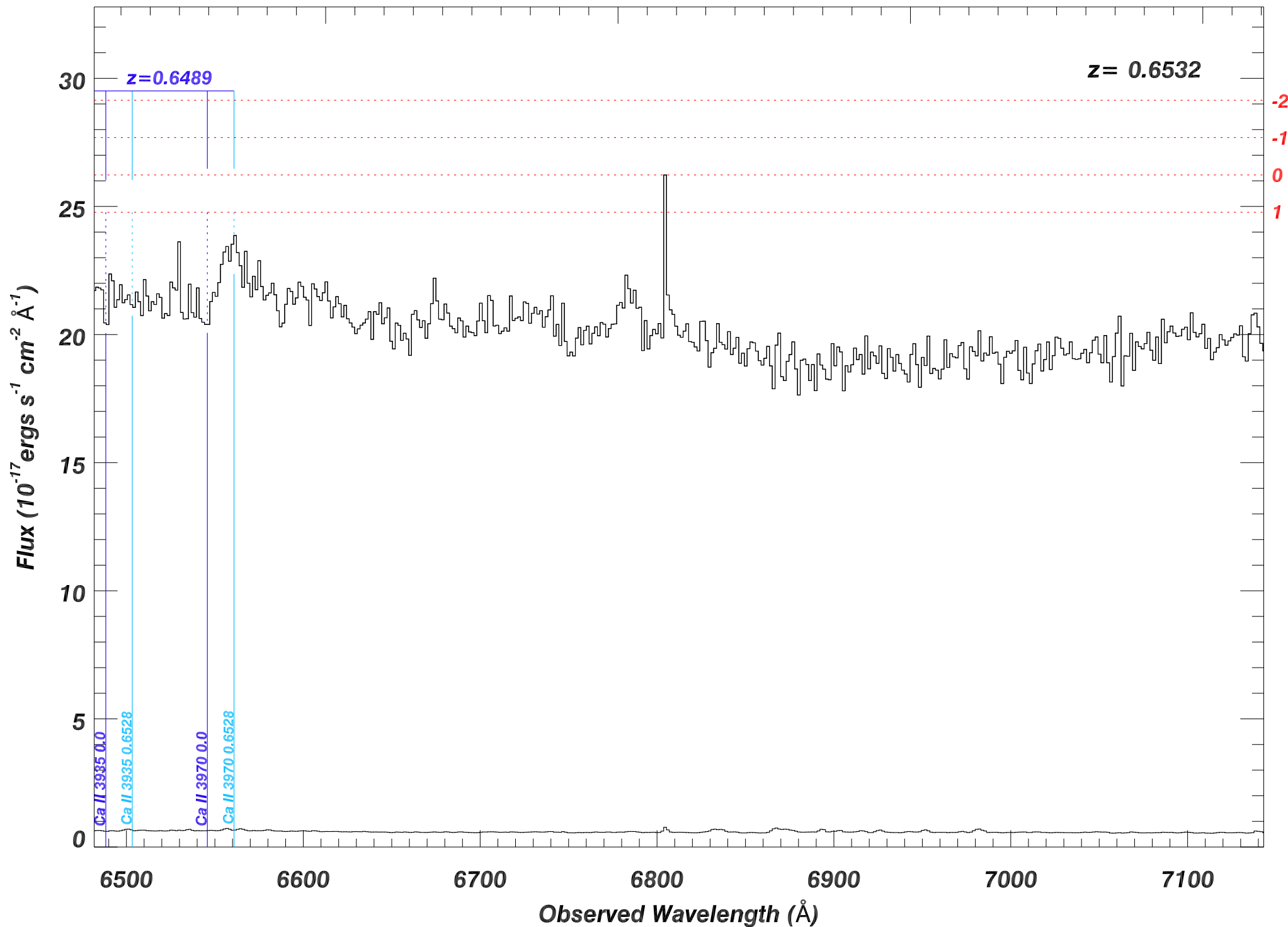


# SDSS\_J0822+2311\_MJD53317

Rest Wavelength ( $\text{\AA}$ )  
4100

4200

4300





# SDSS\_J0822+2311\_MJD53317

Rest Wavelength ( $\text{\AA}$ )

4300

4400

4500

4600

$z = 0.6532$

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

25

20

15

10

5

0

-2

-1

0

1

7100

7200

7300

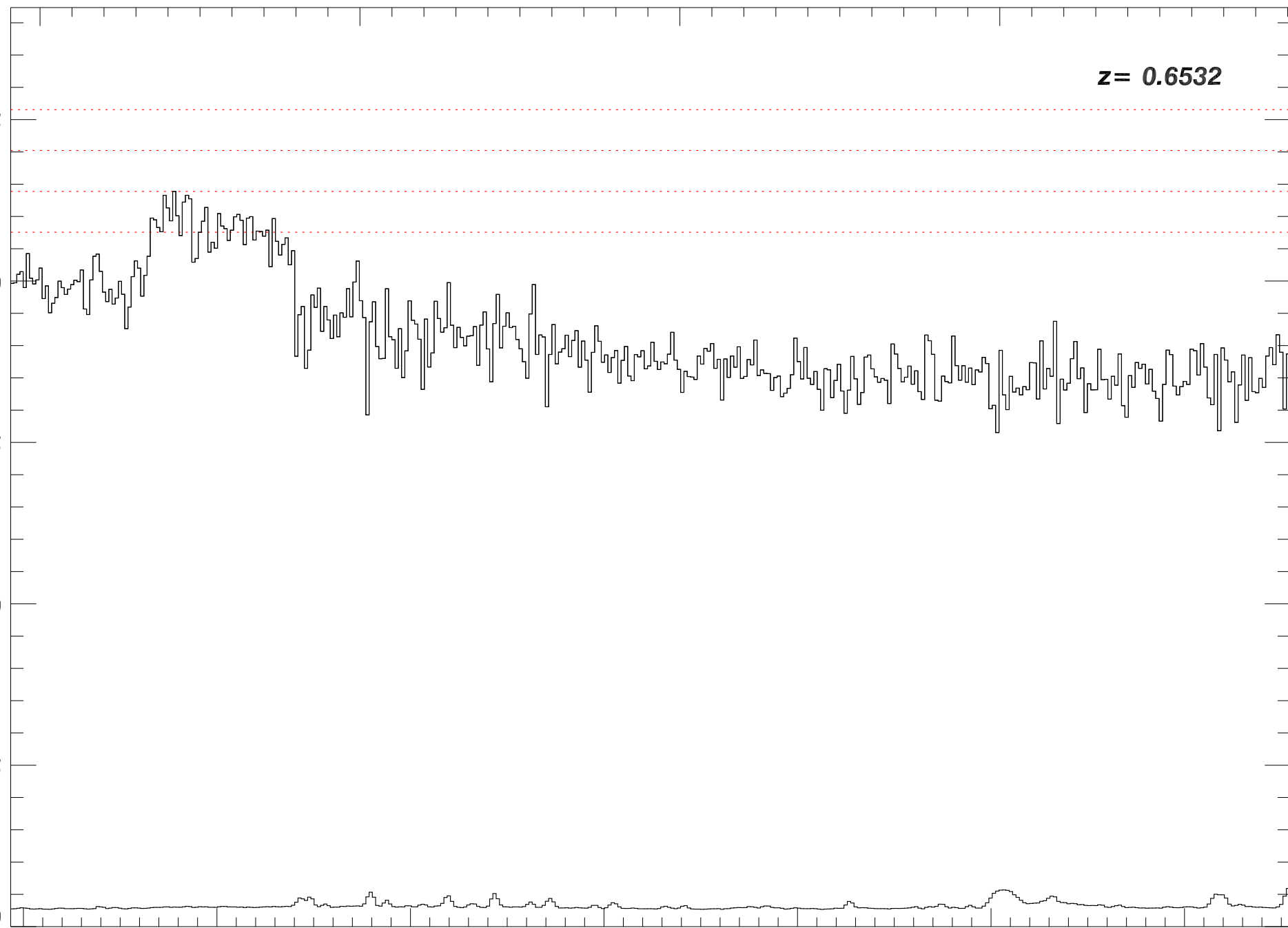
7400

7500

7600

7700

Observed Wavelength ( $\text{\AA}$ )



# SDSS\_J0822+2311\_MJD53317

Rest Wavelength ( $\text{\AA}$ )

4700

4800

4900

5000

$z = 0.6532$

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

80

60

40

20

0

-2

-1

0

1

7800

7900

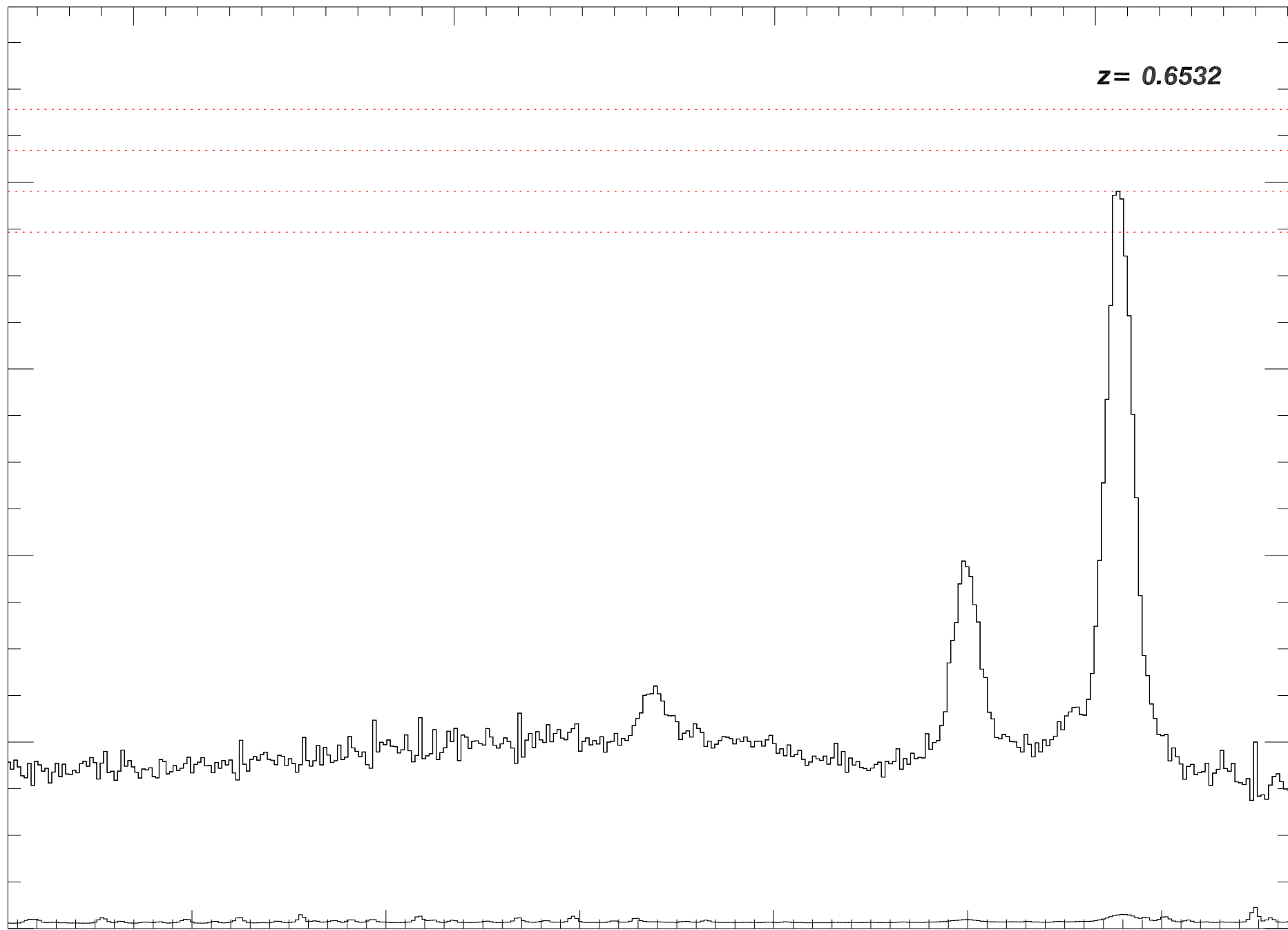
8000

8100

8200

8300

Observed Wavelength ( $\text{\AA}$ )



# SDSS\_J0822+2311\_MJD53317

Rest Wavelength ( $\text{\AA}$ )

5100

5200

5300

5400

5500

$z = 0.6532$

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

9200

Observed Wavelength ( $\text{\AA}$ )

