

**SDSS J1347+4654**  
1600 1800

1000

1200

1400

2000

2200

*Rest Wavelength (Å)*

**z = 2.933**

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

60  
50  
40  
30  
20  
10  
0

4000

5000

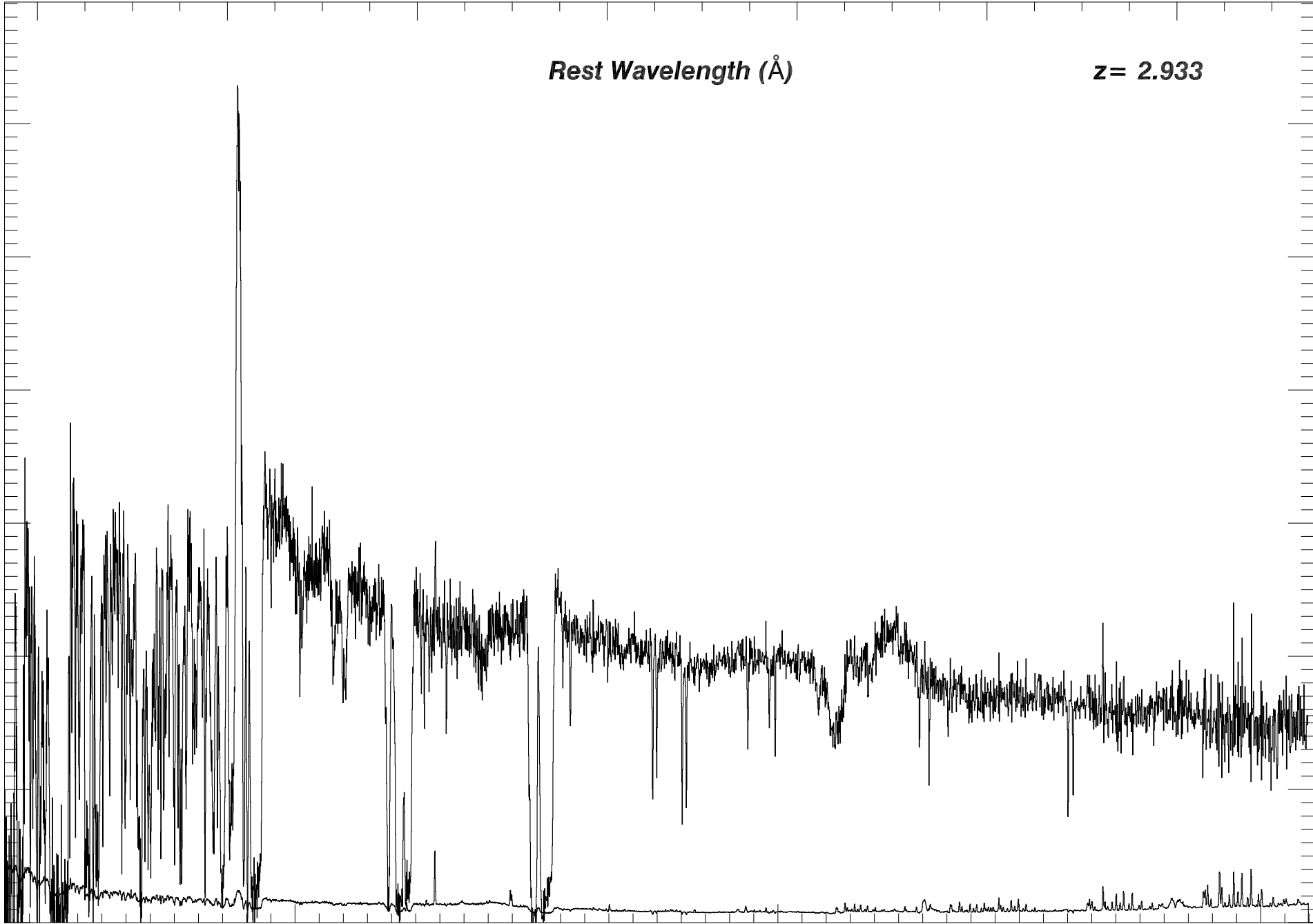
6000

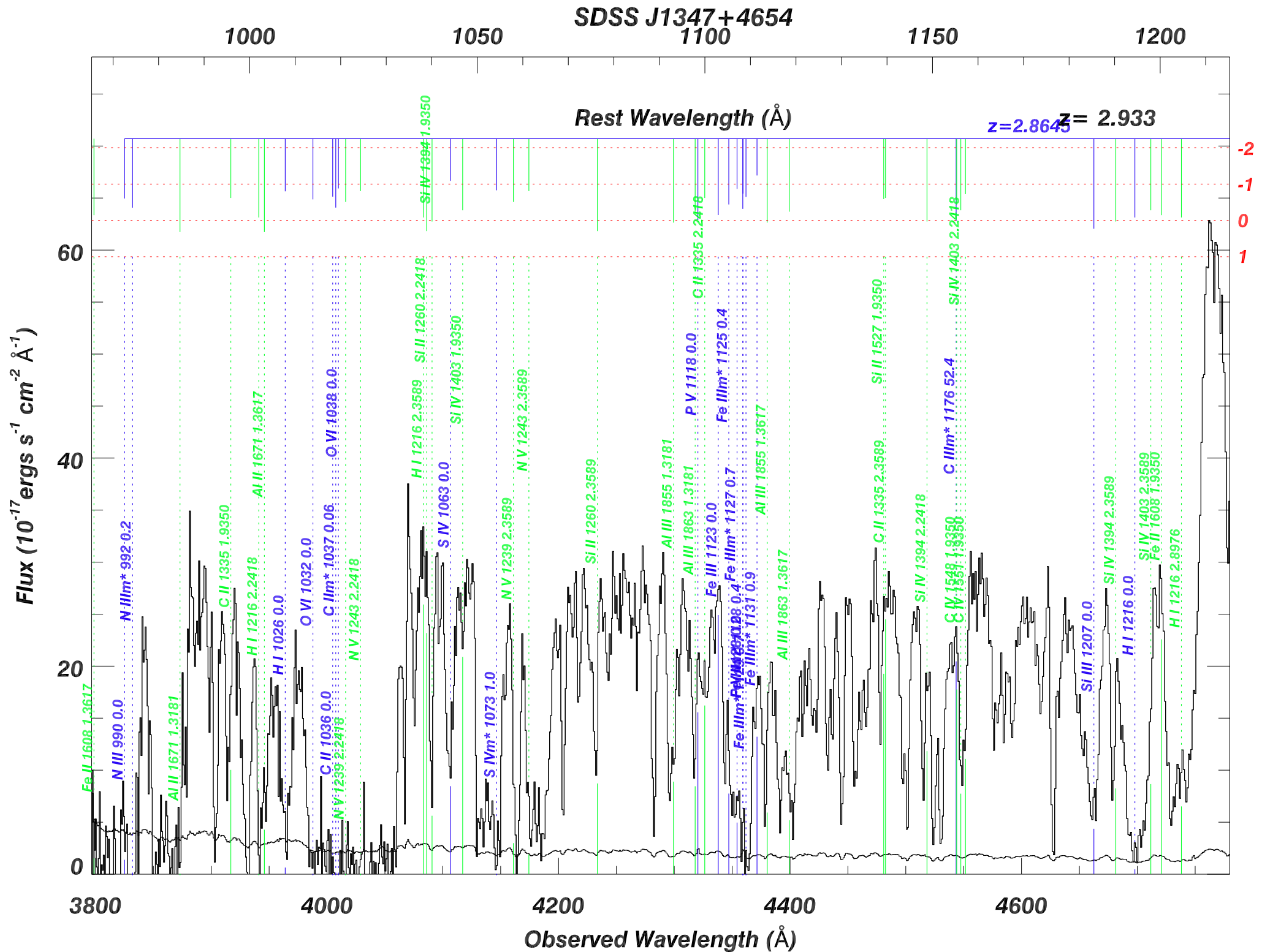
7000

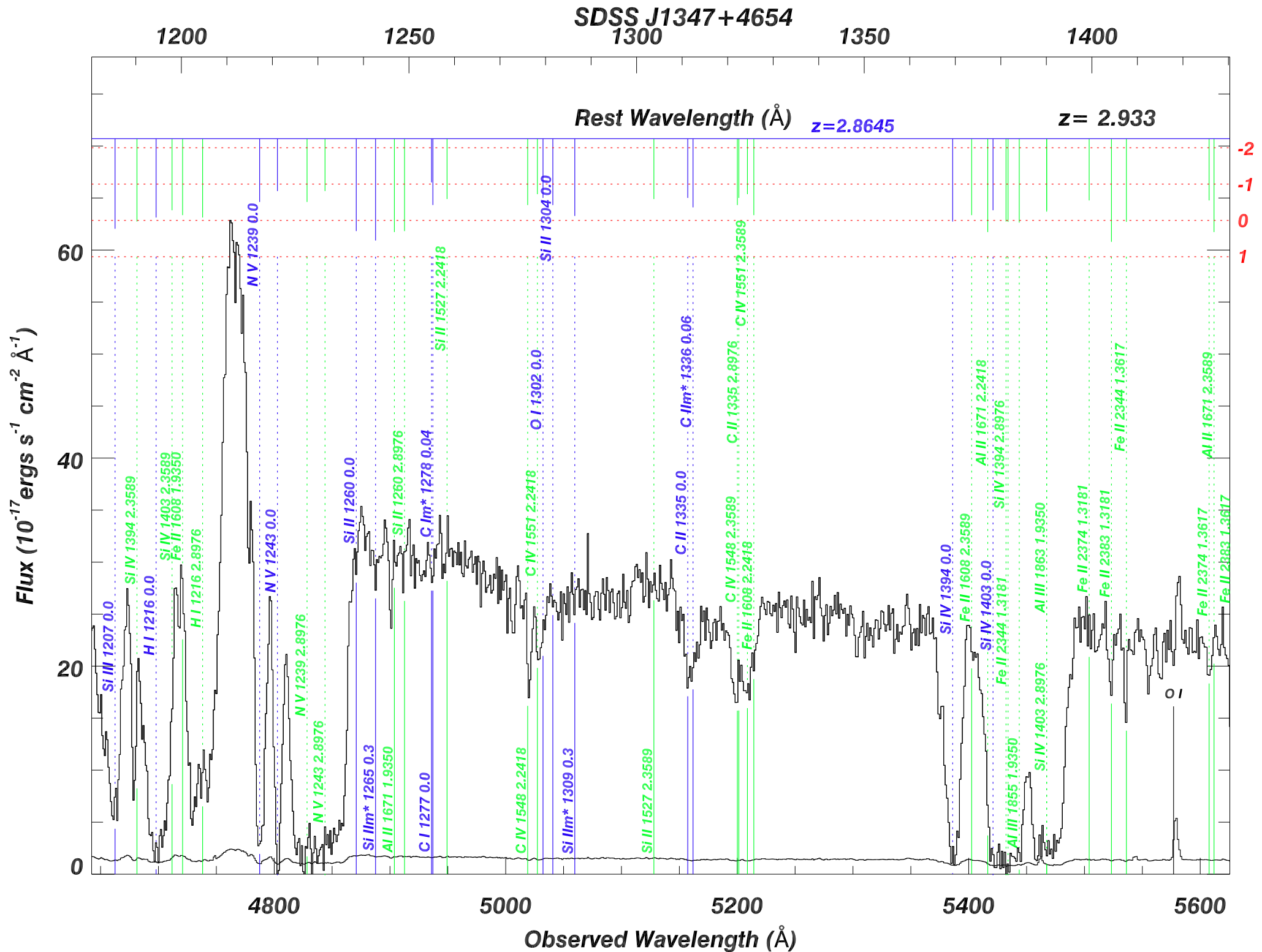
8000

9000

*Observed Wavelength (Å)*







SDSS J1347+4654

1400

1450

1500

1550

1600

$z=2.8645$

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

$z= 2.933$

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

30

20

10

0

-2

-1

0

1

5600

5800

6000

6200

6400

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

