

1500

**SDSS J1036+1845**  
2000

2500

3000

*Rest Wavelength (Å)*

**z = 2.046**

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

40

30

20

10

0

4000

5000

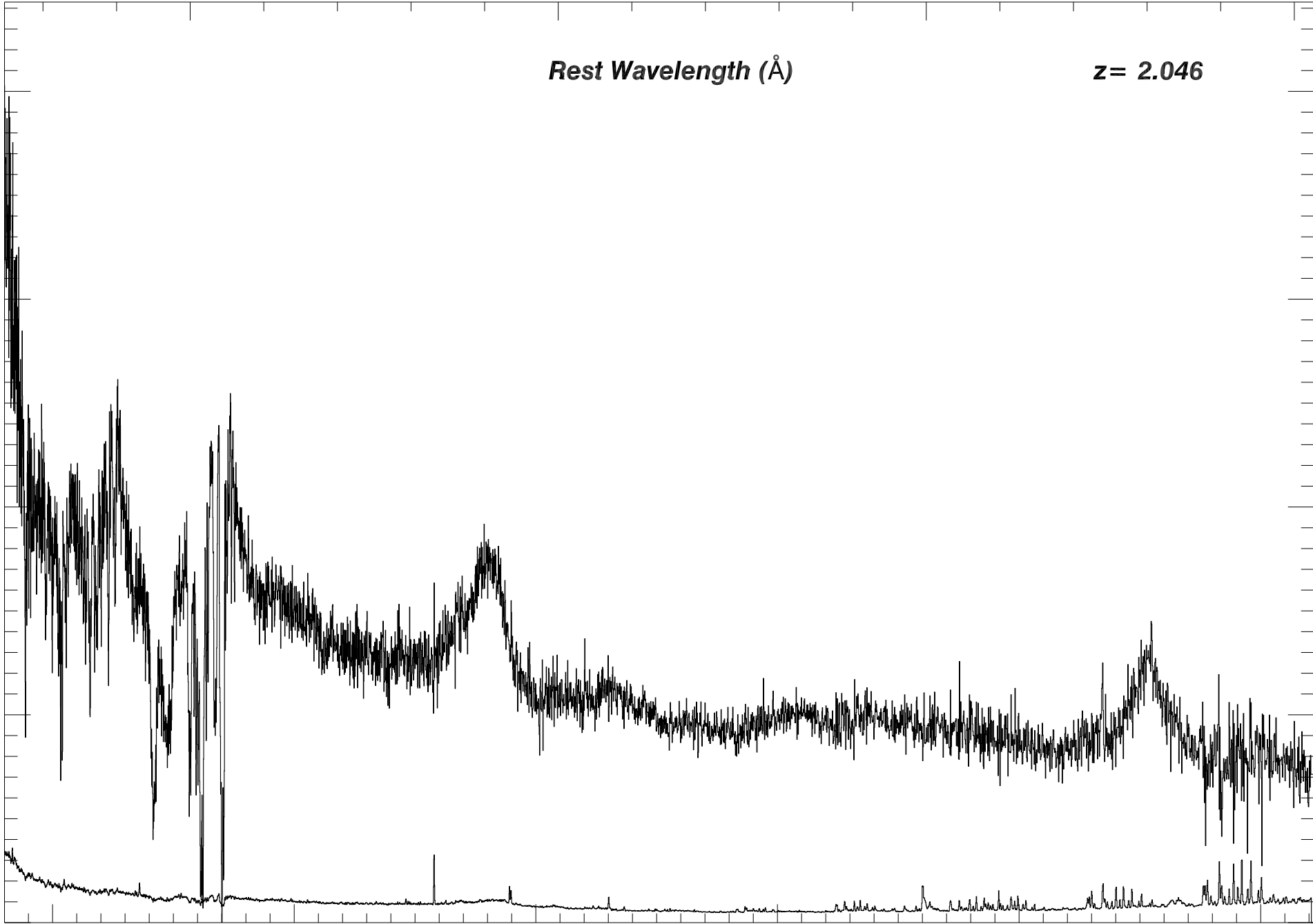
6000

7000

8000

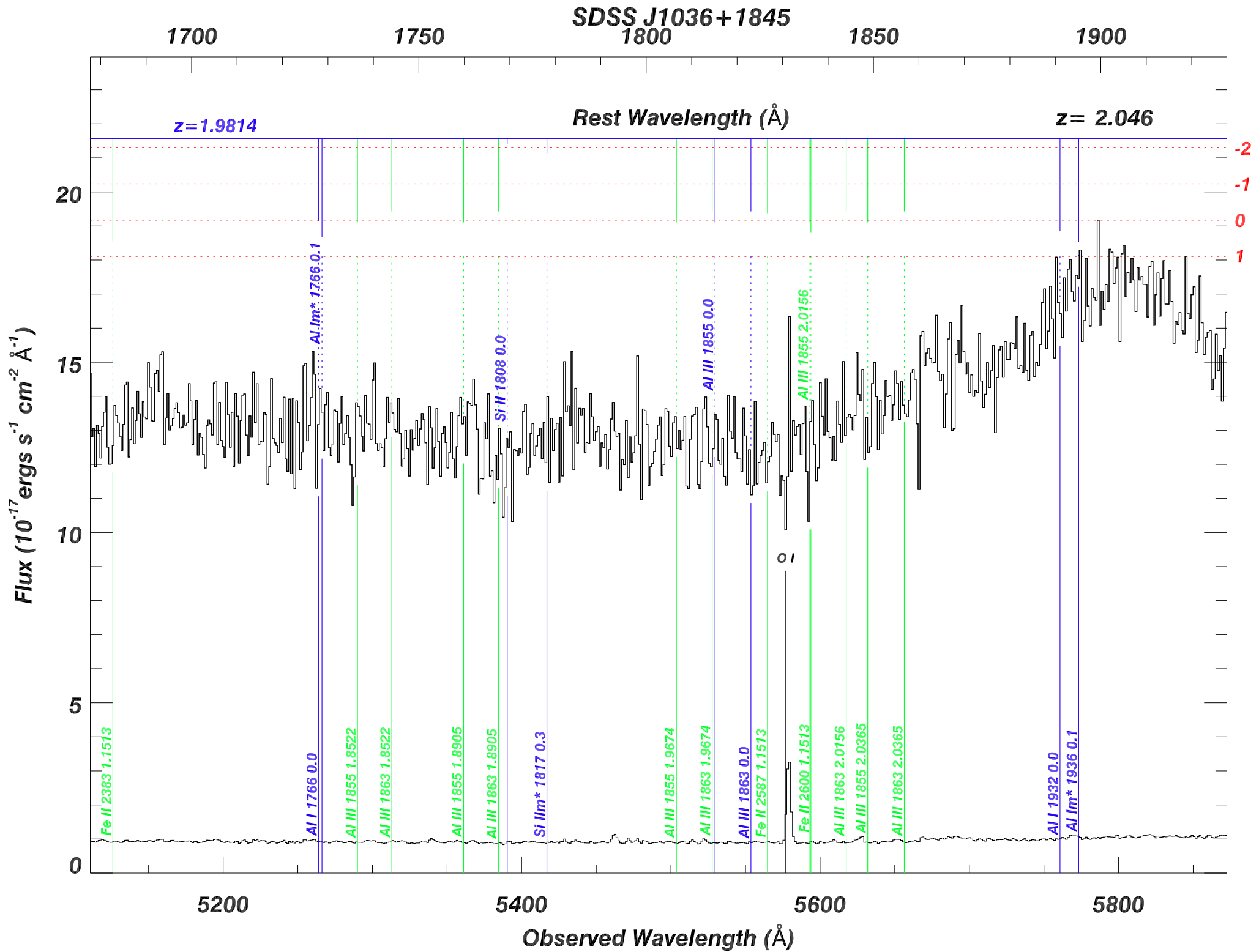
9000

*Observed Wavelength (Å)*









SDSS J1036+1845

1900

1950

2000

2050

2100

Rest Wavelength (Å)

$z=1.9814$

$z=2.046$

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

20

15

10

5

0

-2  
-1  
0  
1

Na I

O I

Al III\* 1936 0.17

Mg II 2796 1.1513

Mg II 2804 1.1513

Fe II 2344 1.6054

Mg I 2853 1.1513

Fe II 2374 1.6054

Fe II 2383 1.6054

5800

6000

6200

6400

Observed Wavelength (Å)

