

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

2000

SDSS J020629.33+004843.1  
z=2.51242

SDSS 2001-09-26 t=0.0

BOSS 2010-01-04 t=860.3

BOSS 2010-09-10 t=931.3

Flux ( $10^{-16} \text{ erg s}^{-1} \text{ cm}^{-2} \text{ \AA}^{-1}$ )

2

1

0

- Four broad absorption features in CIV
- Blended double ion variability in B-D
- PV and SIV region not seen on spectra
- All troughs change in the same way
- Grade: A

4000

5000

6000

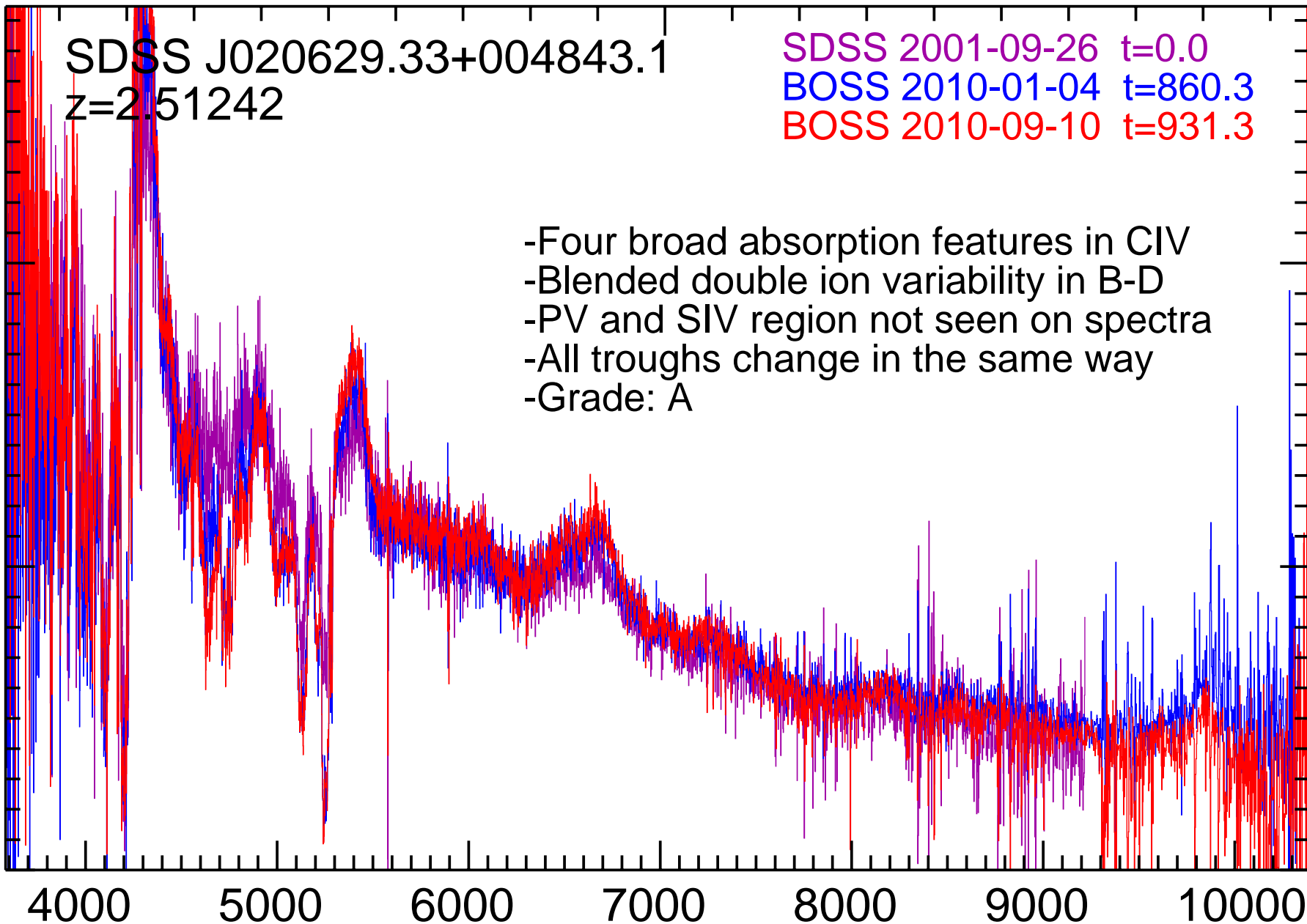
7000

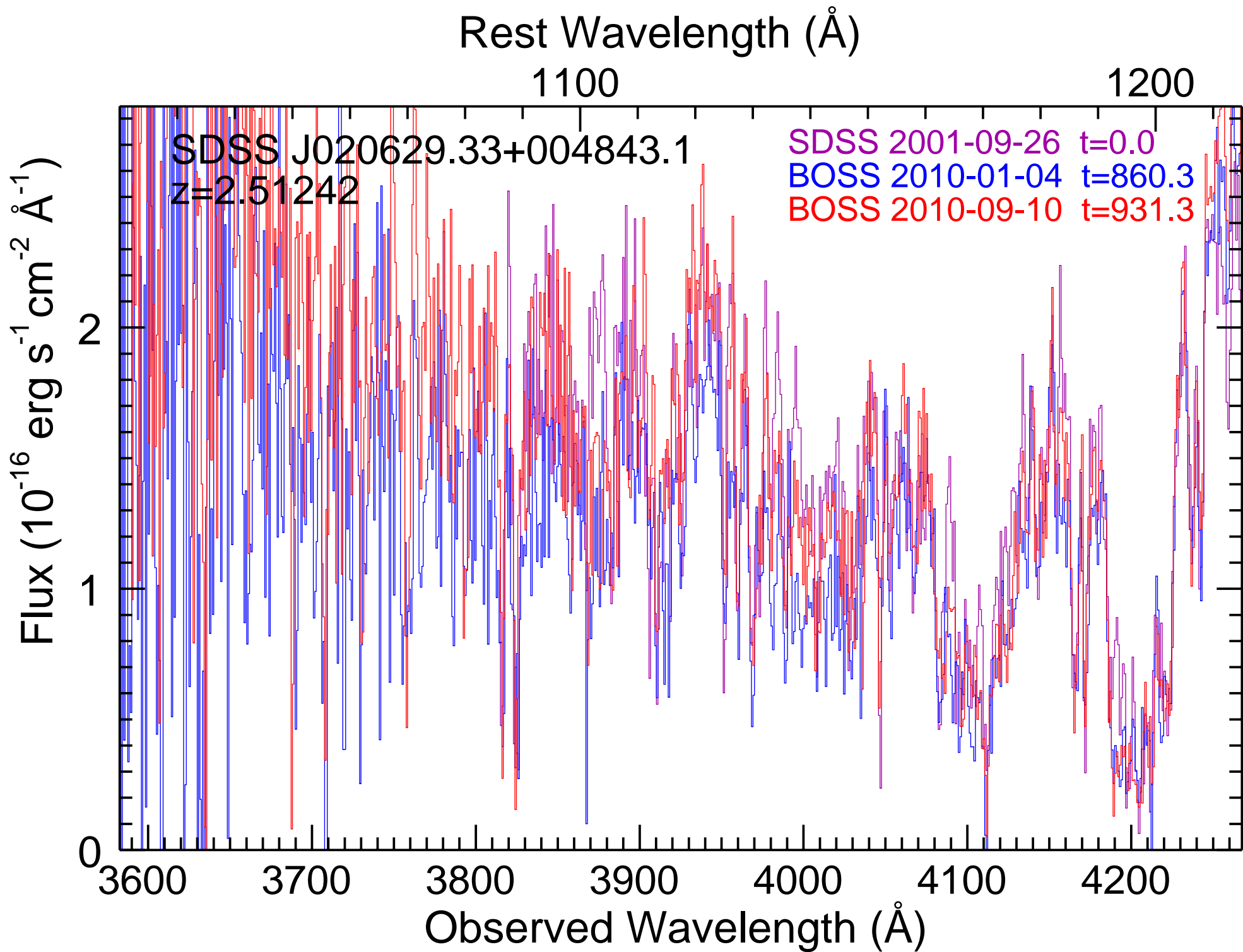
8000

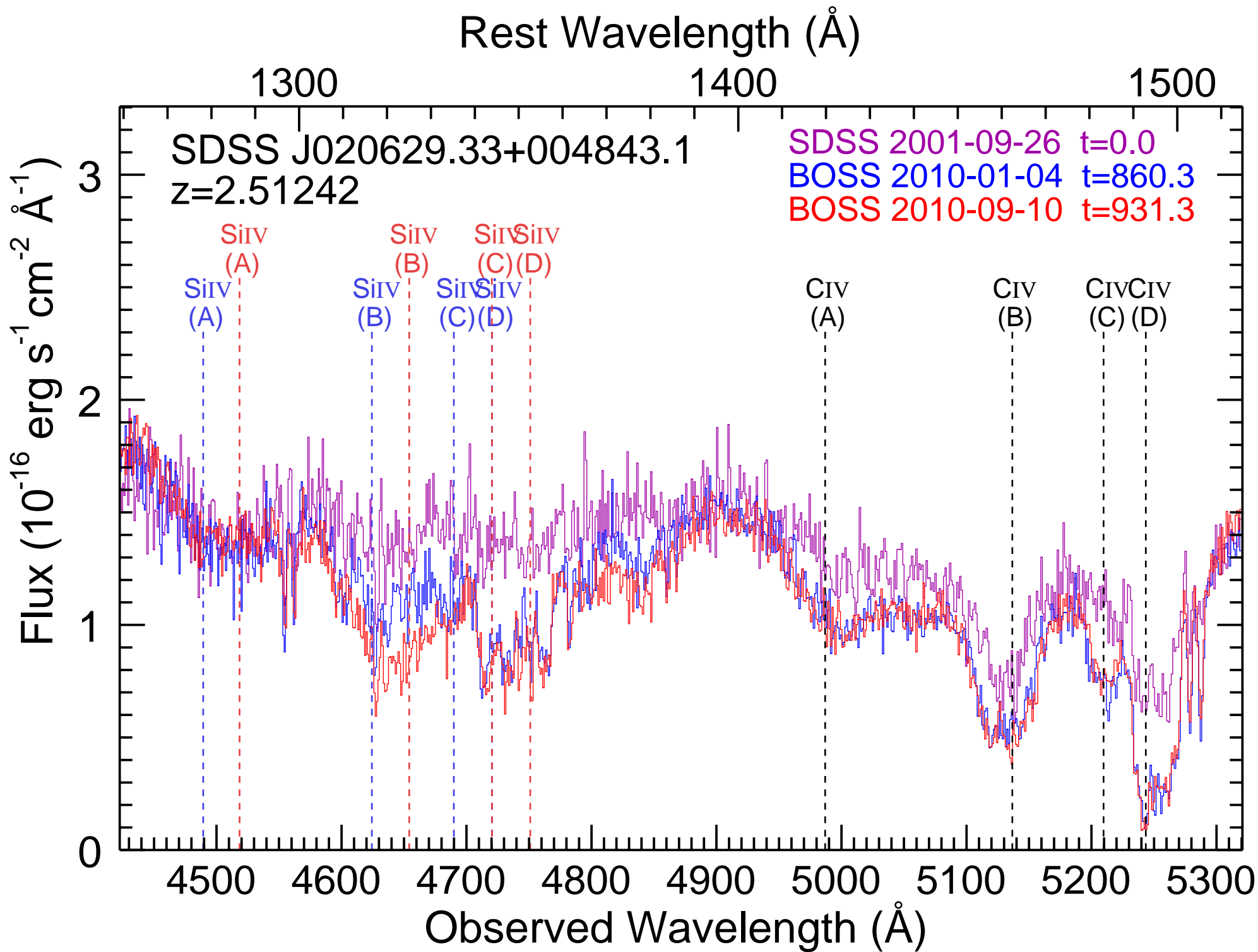
9000

10000

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







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

1500

SDSS J020629.33+004843.1  
 $z=2.51242$

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BOSS 2010-01-04  $t=860.3$   
BOSS 2010-09-10  $t=931.3$

Flux ( $10^{-16} \text{ erg s}^{-1} \text{ cm}^{-2} \text{ \AA}^{-1}$ )

3  
2  
1  
0

CIV  
(A)

CIV  
(B)

CIV  
(C)

CIV  
(D)

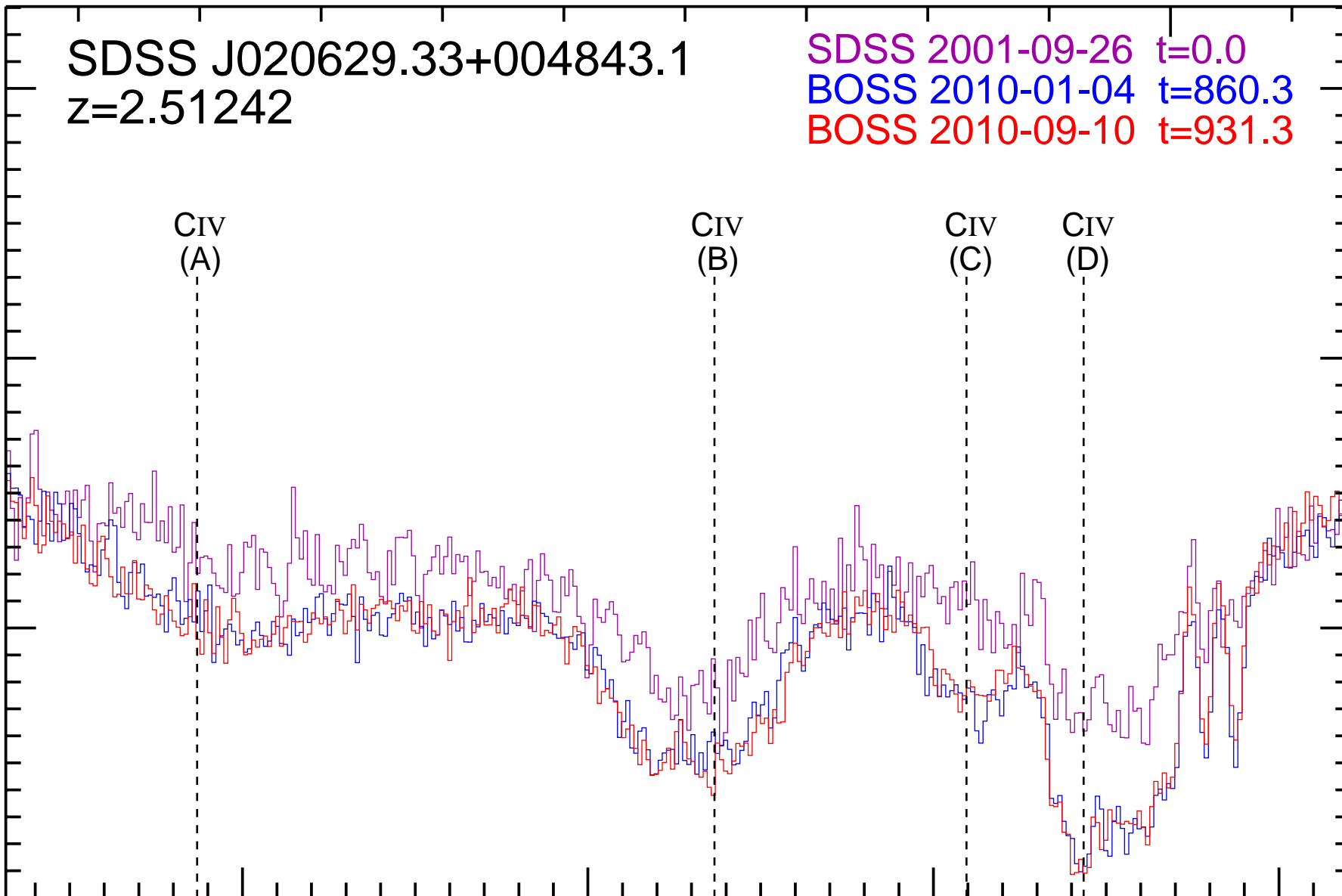
5000

5100

5200

5300

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



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

1300

SDSS J020629.33+004843.1  
z=2.51242

SDSS 2001-09-26 t=0.0  
BOSS 2010-01-04 t=860.3  
BOSS 2010-09-10 t=931.3

Flux ( $10^{-16} \text{ erg s}^{-1} \text{ cm}^{-2} \text{ \AA}^{-1}$ )

3  
2  
1  
0

SiIV  
(A)

SiIV  
(A)

SiIV  
(B)

SiIV  
(B)

SiIV  
(C)

SiIV  
(C)

SiIV  
(D)

SiIV  
(D)

4500

4600

4700

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

