

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

1500

SDSS J104637.73+391136.1  
z=2.91940

SDSS 2004-01-31 t=0.0  
BOSS 2011-03-10 t=662.1

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

1

CIV  
(A)

CIV  
(B)

CIV  
(C)

CIV  
(D)

0

5600

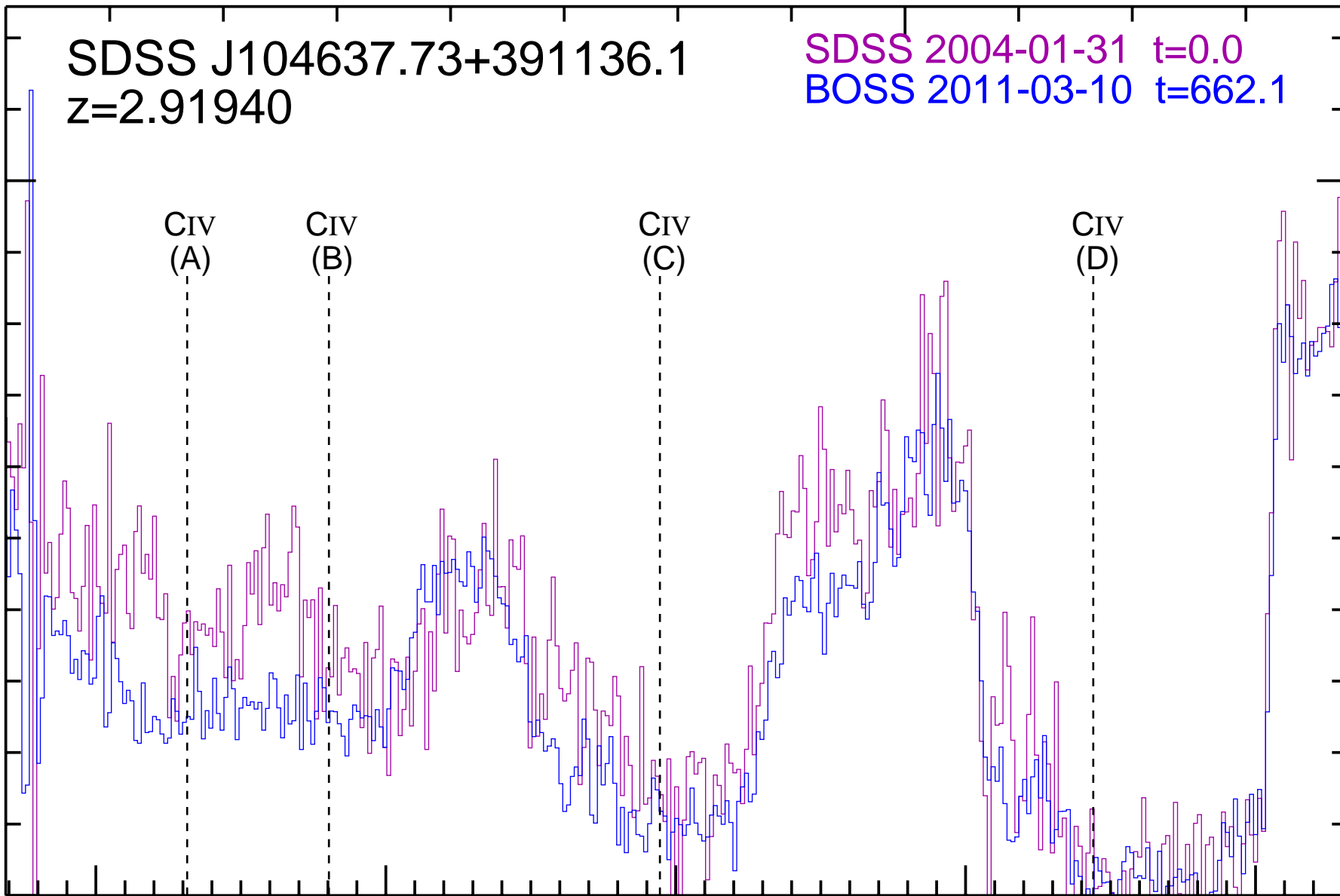
5700

5800

5900

6000

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



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

1300

SDSS J104637.73+391136.1  
z=2.91940

SDSS 2004-01-31 t=0.0  
BOSS 2011-03-10 t=662.1

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

1

0

SiIV  
(A)

SiIV  
(A)

SiIV  
(B)

SiIV  
(B)

SiIV  
(C)

SiIV  
(C)

SiIV  
(D)

SiIV  
(D)

5000

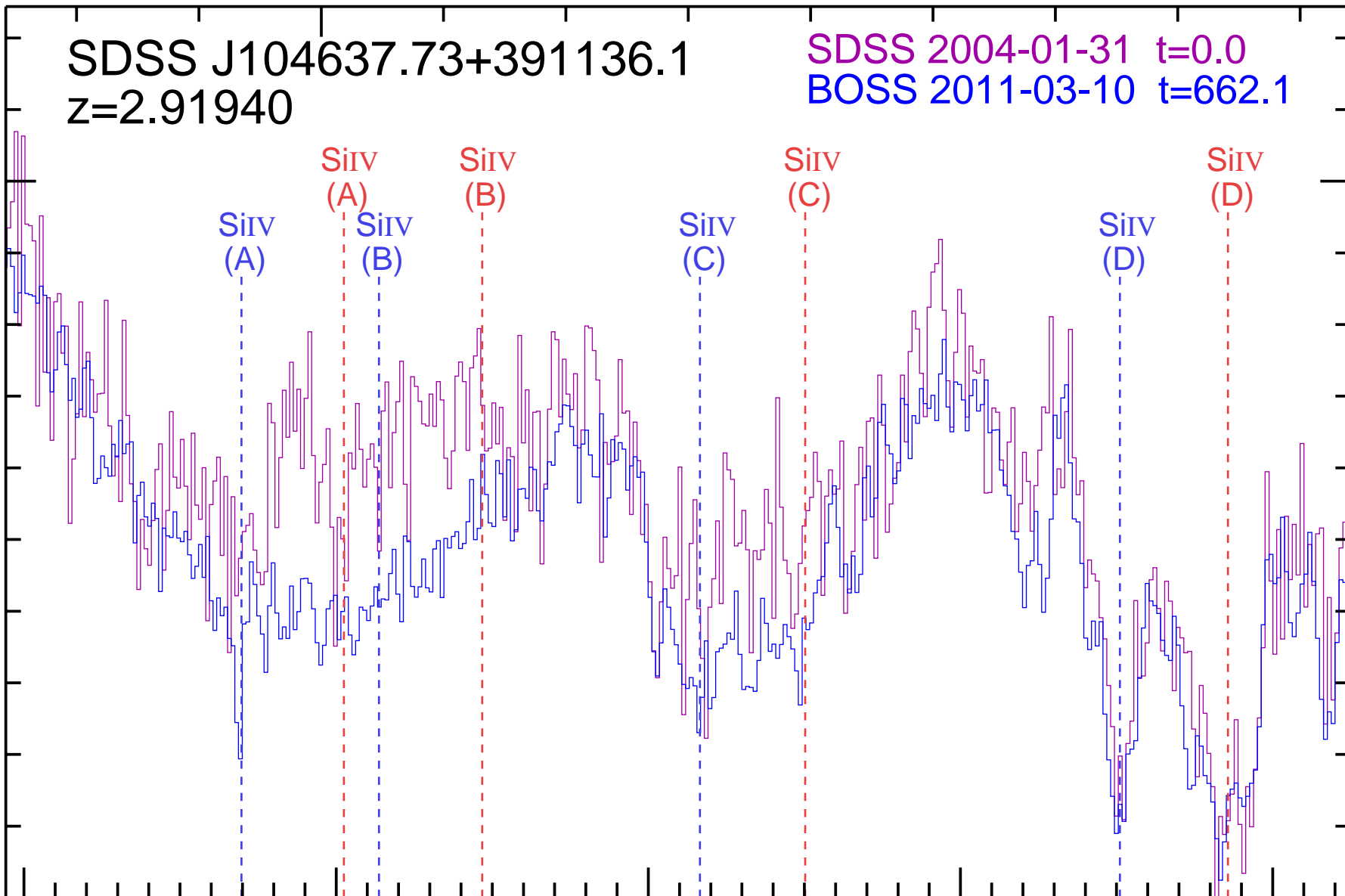
5100

5200

5300

5400

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



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1100

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1

0

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

PV (A) PV (B) PV (C) PV (D)  
PV (A) PV (B) PV (C) PV (D)

