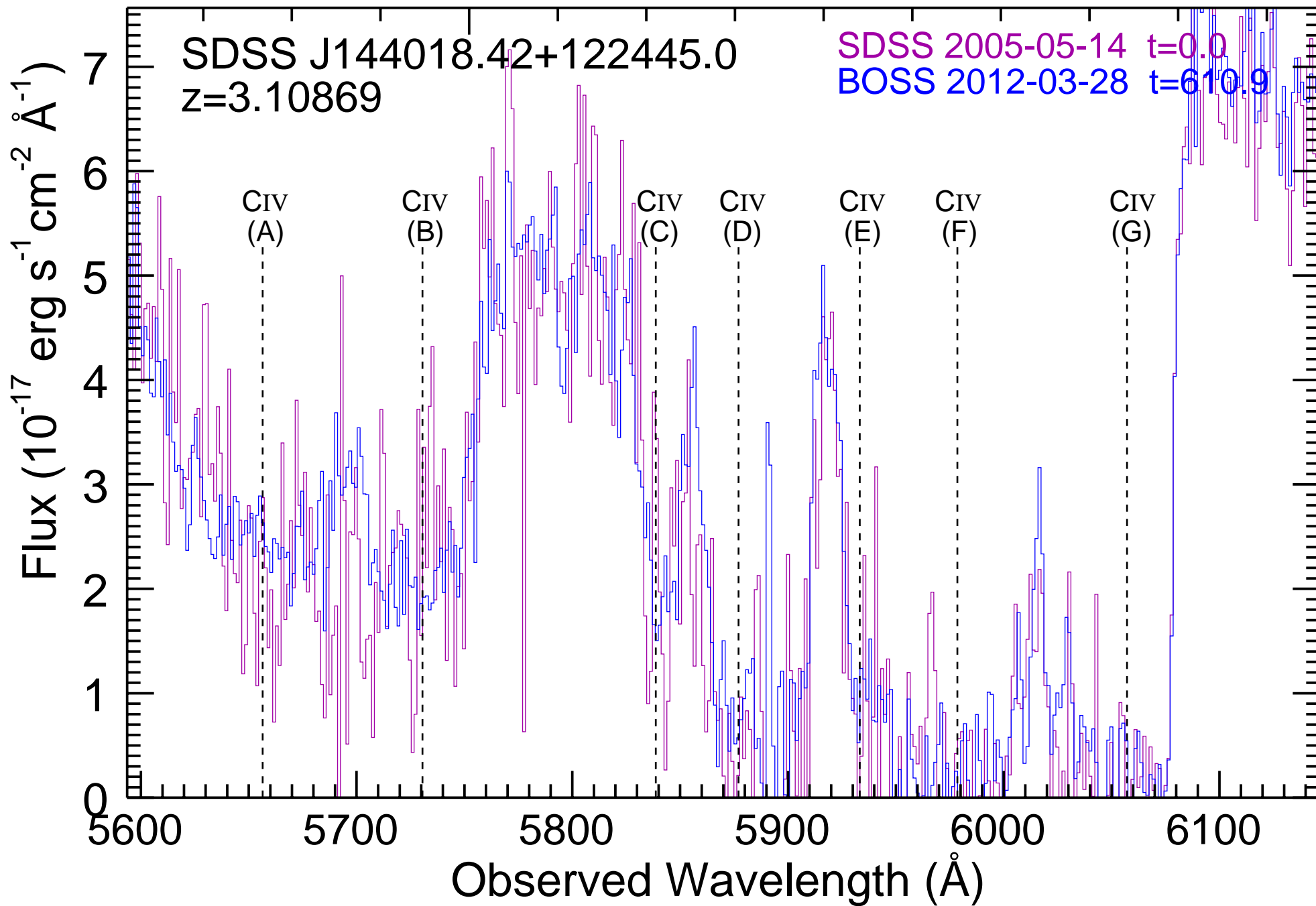


Rest Wavelength ( $\text{\AA}$ )

1400

SDSS J144018.42+122445.0  
z=3.10869

SDSS 2005-05-14 t=0.0  
BOSS 2012-03-28 t=610.9

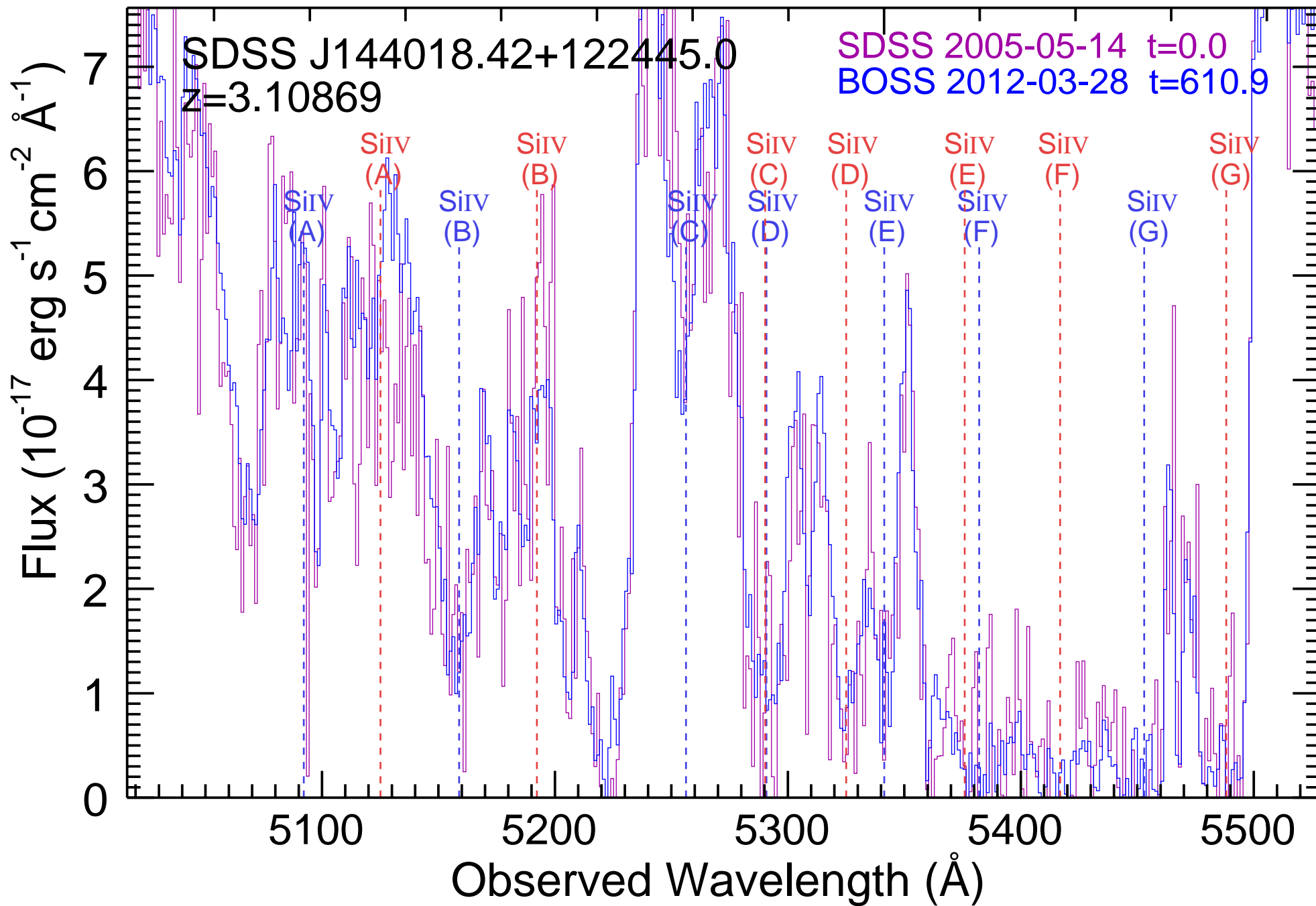


Rest Wavelength ( $\text{\AA}$ )

1300

SDSS J144018.42+122445.0  
 $z=3.10869$

SDSS 2005-05-14  $t=0.0$   
BOSS 2012-03-28  $t=610.9$



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

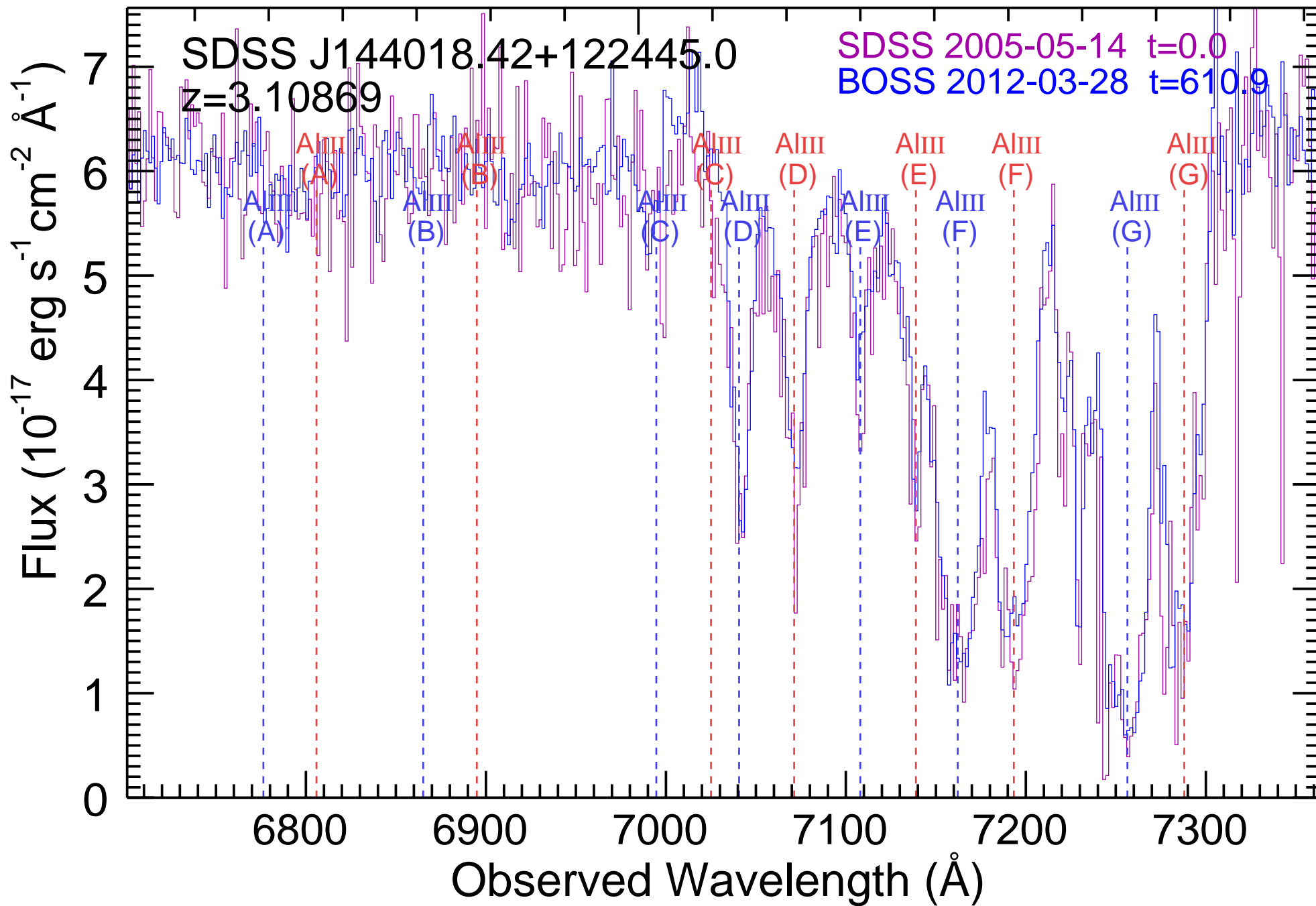
1700

SDSS J144018.42+122445.0

$z=3.10869$

SDSS 2005-05-14  $t=0.0$

BOSS 2012-03-28  $t=610.9$

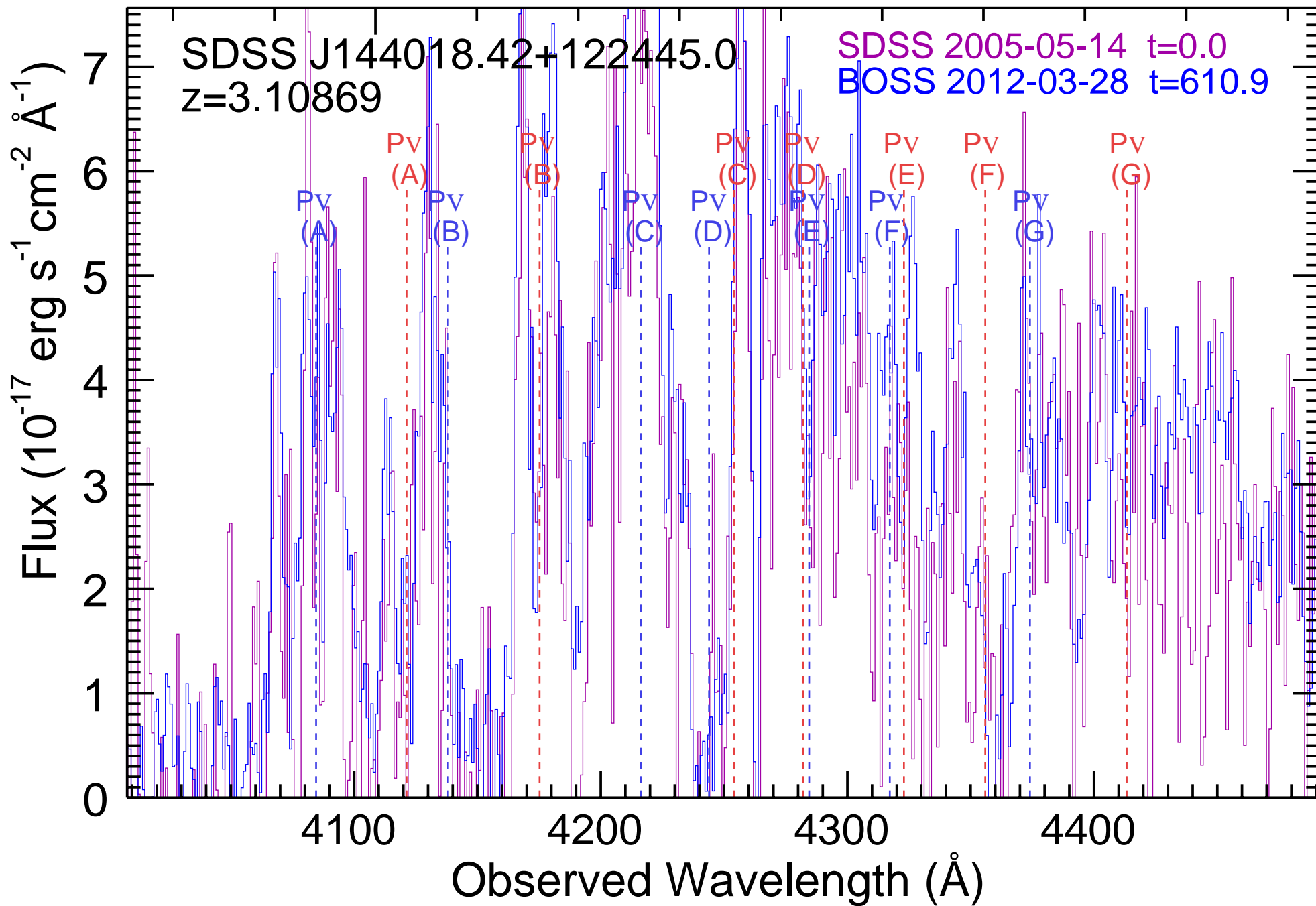


Rest Wavelength ( $\text{\AA}$ )

1000

SDSS J144018.42+122445.0  
z=3.10869

SDSS 2005-05-14 t=0.0  
BOSS 2012-03-28 t=610.9



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

1000

SDSS J144018.42+122445.0  
z=3.10869

SDSS 2005-05-14 t=0.0  
BOSS 2012-03-28 t=610.9

