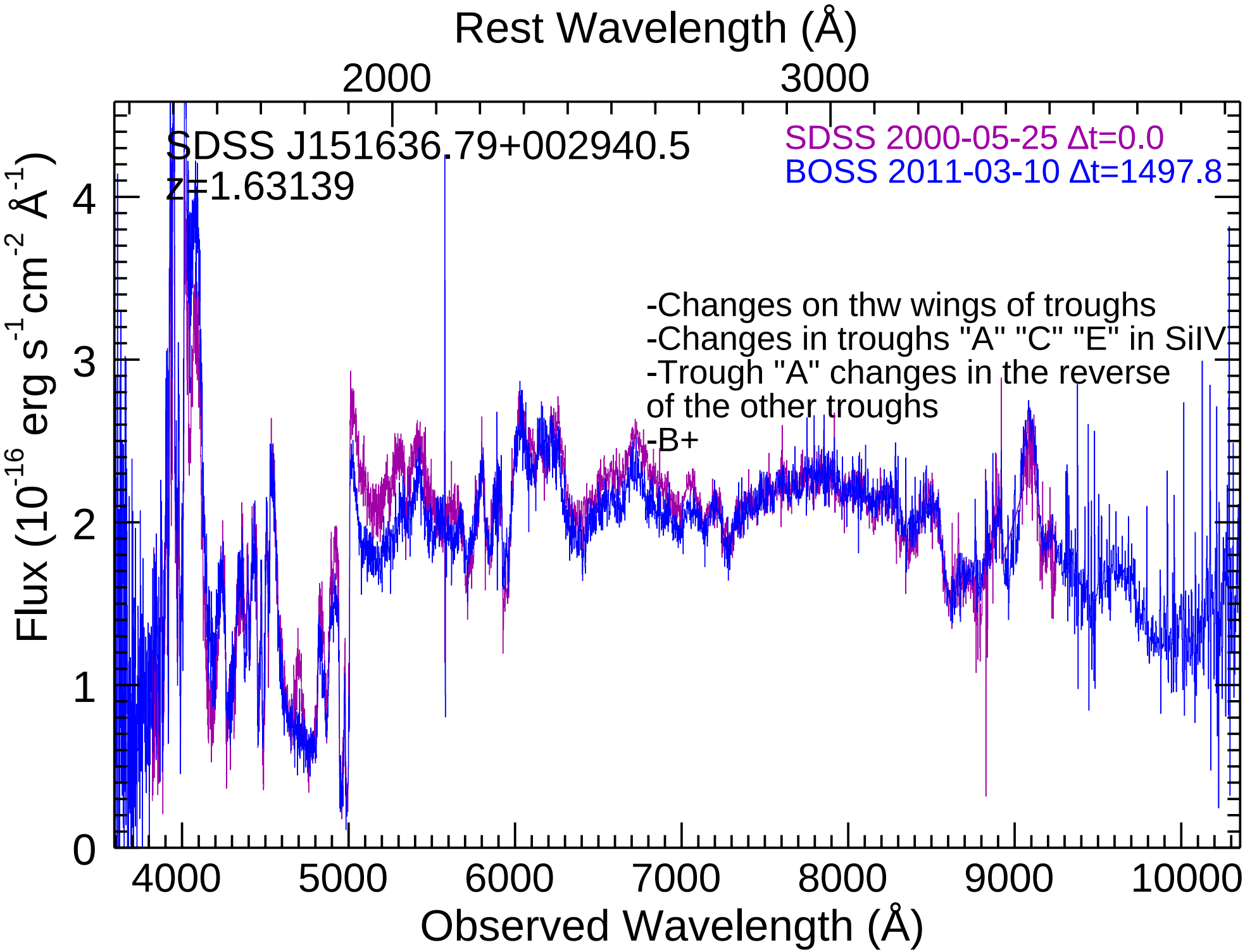
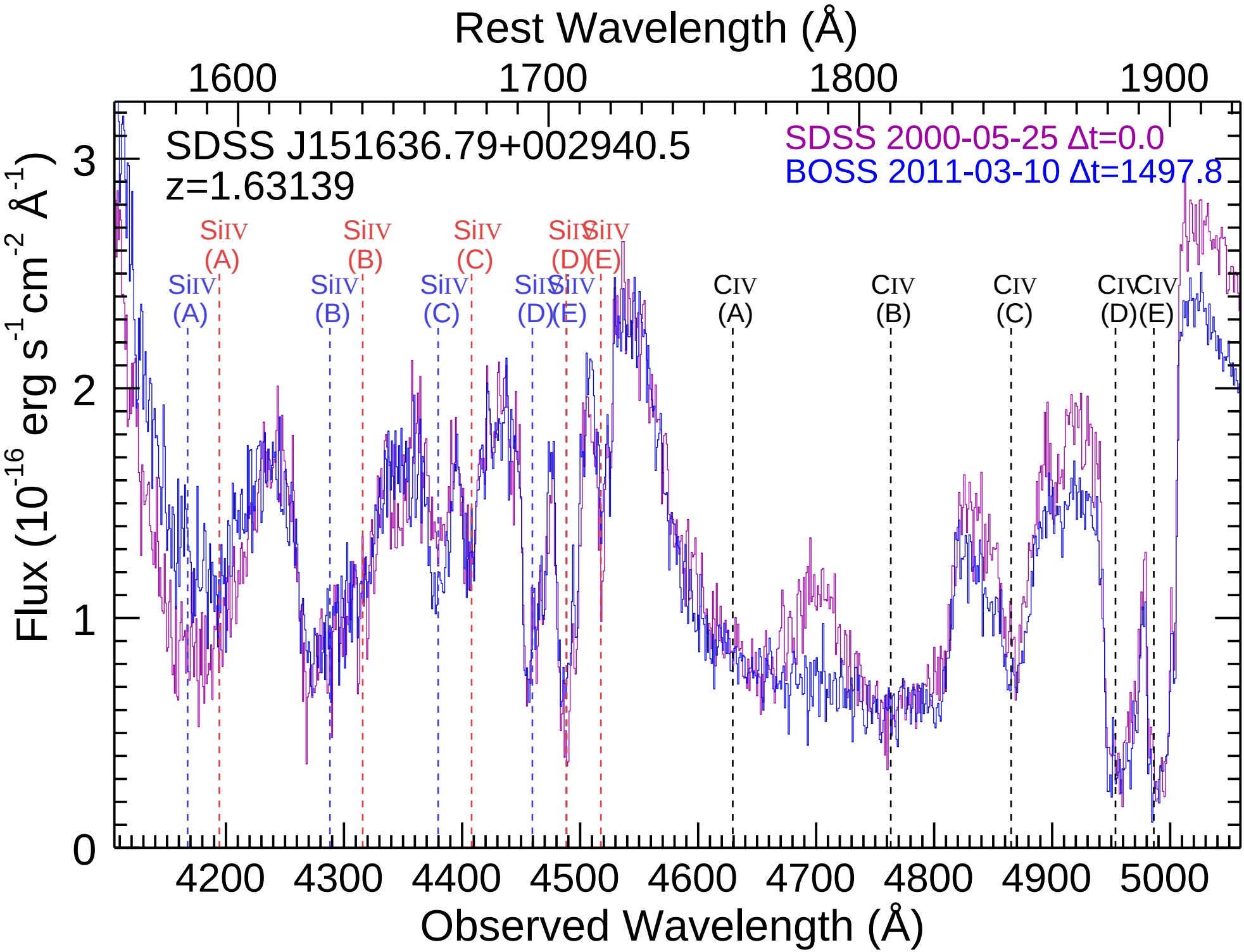
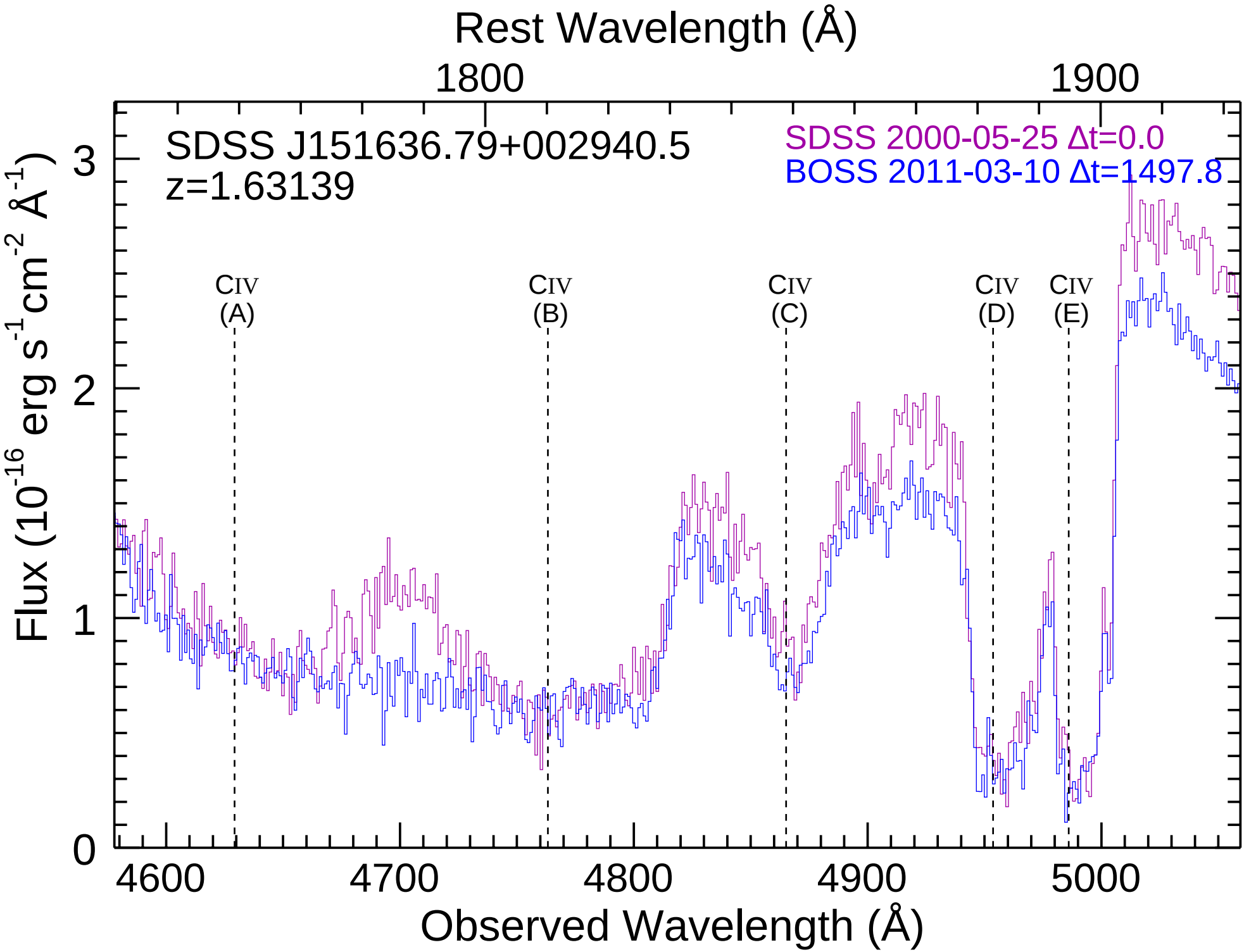
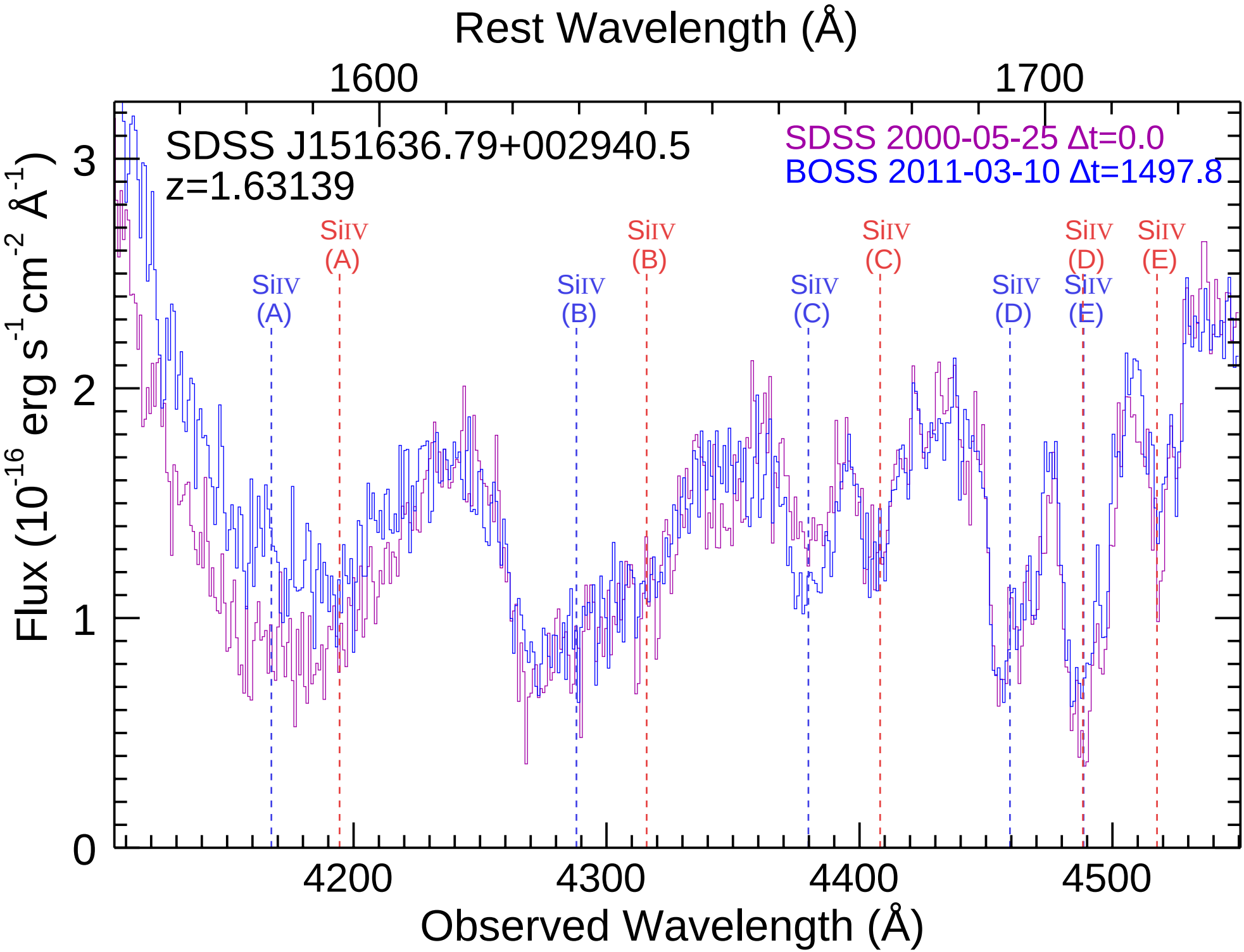
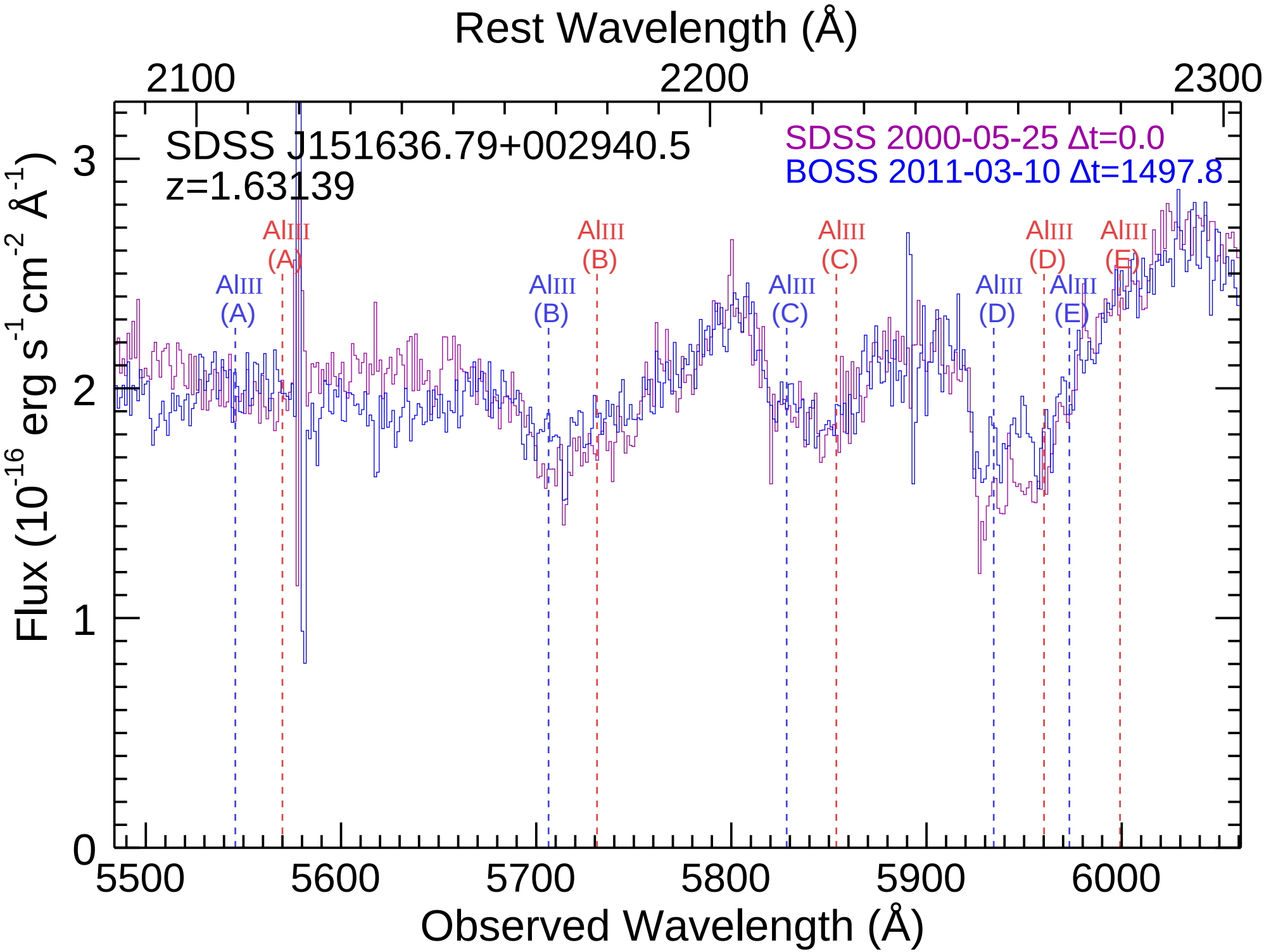

Rest Wavelength (Å)
2000
3000
SDSS J151636.79+002940.5
z=1.63139
SDSS 2000-05-25 Δt=0.0
BOSS 2011-03-10 Δt=1497.8
-Changes on thw wings of troughs
-Changes in troughs "A" "C" "E" in SiIV
-Trough "A" changes in the reverse
of the other troughs
-B+
Flux (10^{-16} erg s^{-1}cm^{-2} Å^{-1})
0
1
2
3
4
4000
5000
6000
7000
8000
9000
10000
Observed Wavelength (Å)


Rest Wavelength (Å)
1600
1700
1800
1900
SDSS J151636.79+002940.5
z=1.63139
SDSS 2000-05-25 Δt=0.0
BOSS 2011-03-10 Δt=1497.8
SiIV (A)
SiIV (B)
SiIV (C)
SiIV (D)(E)
SiIV (A)
SiIV (B)
SiIV (C)
SiIV (D)(E)
CIV (A)
CIV (B)
CIV (C)
CIV (D)(E)
Flux (10^{-16} erg s^{-1}cm^{-2} Å^{-1})
0
1
2
3
4200
4300
4400
4500
4600
4700
4800
4900
5000
Observed Wavelength (Å)


Rest Wavelength (Å)
1800
1900
SDSS J151636.79+002940.5
z=1.63139
SDSS 2000-05-25 Δt=0.0
BOSS 2011-03-10 Δt=1497.8
CIV (A)
CIV (B)
CIV (C)
CIV (D)
CIV (E)
Flux (10^{-16} erg s^{-1}cm^{-2} Å^{-1})
0
1
2
3
4600
4700
4800
4900
5000
Observed Wavelength (Å)


Rest Wavelength (Å)
1600
1700
SDSS J151636.79+002940.5
z=1.63139
SDSS 2000-05-25 Δt=0.0
BOSS 2011-03-10 Δt=1497.8
SiIV (A)
SiIV (B)
SiIV (C)
SiIV (D)
SiIV (E)
SiIV (A)
SiIV (B)
SiIV (C)
SiIV (D)
SiIV (E)
Flux (10^{-16} erg s^{-1}cm^{-2} Å^{-1})
0
1
2
3
4200
4300
4400
4500
Observed Wavelength (Å)


Rest Wavelength (Å)
2100
2200
2300
SDSS J151636.79+002940.5
z=1.63139
SDSS 2000-05-25 Δt=0.0
BOSS 2011-03-10 Δt=1497.8
AlIII (A)
AlIII (A)
AlIII (B)
AlIII (B)
AlIII (C)
AlIII (C)
AlIII (D)
AlIII (D)
AlIII (E)
AlIII (E)
Flux (10^{-16} erg s^{-1}cm^{-2} Å^{-1})
0
1
2
3
5500
5600
5700
5800
5900
6000
Observed Wavelength (Å)