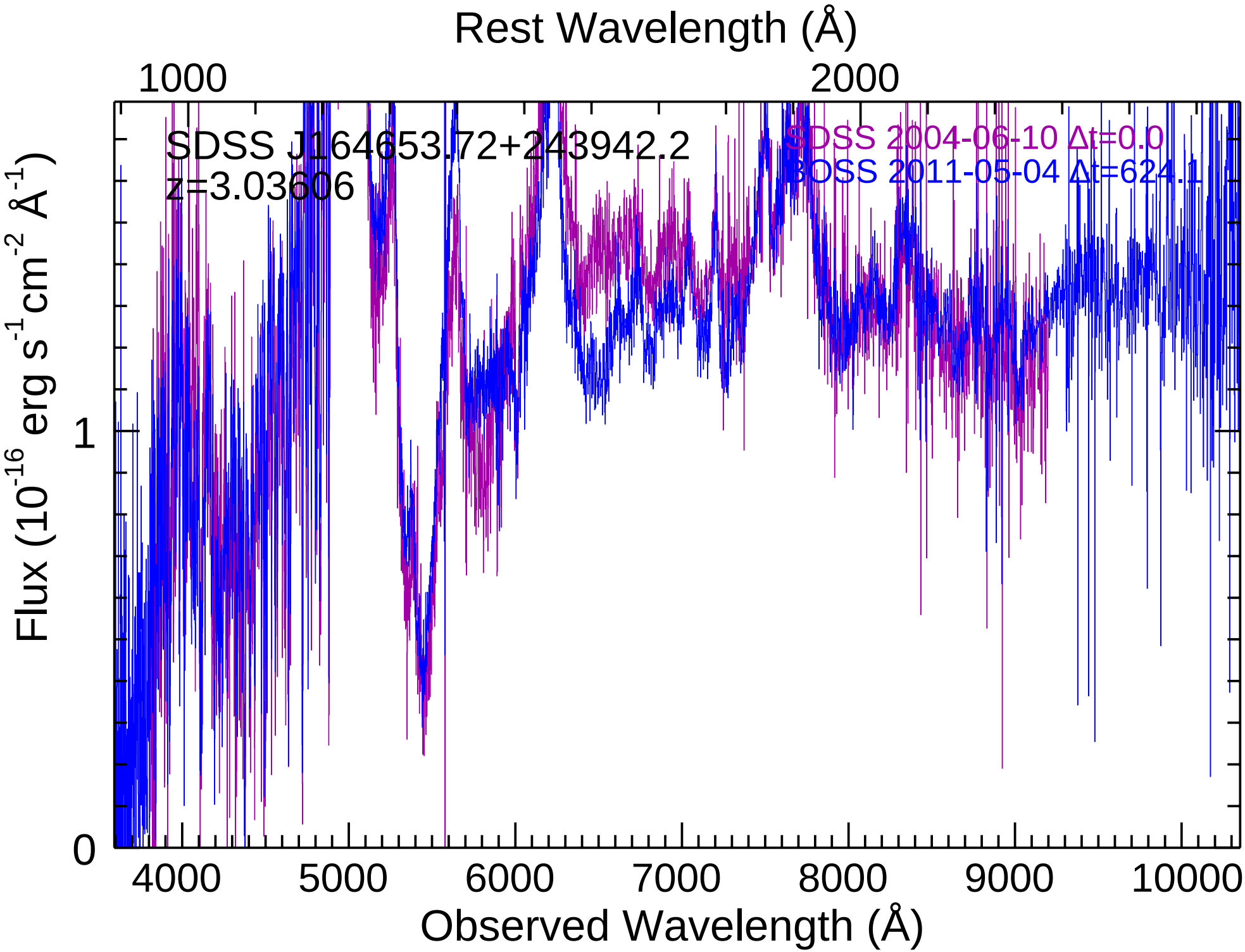
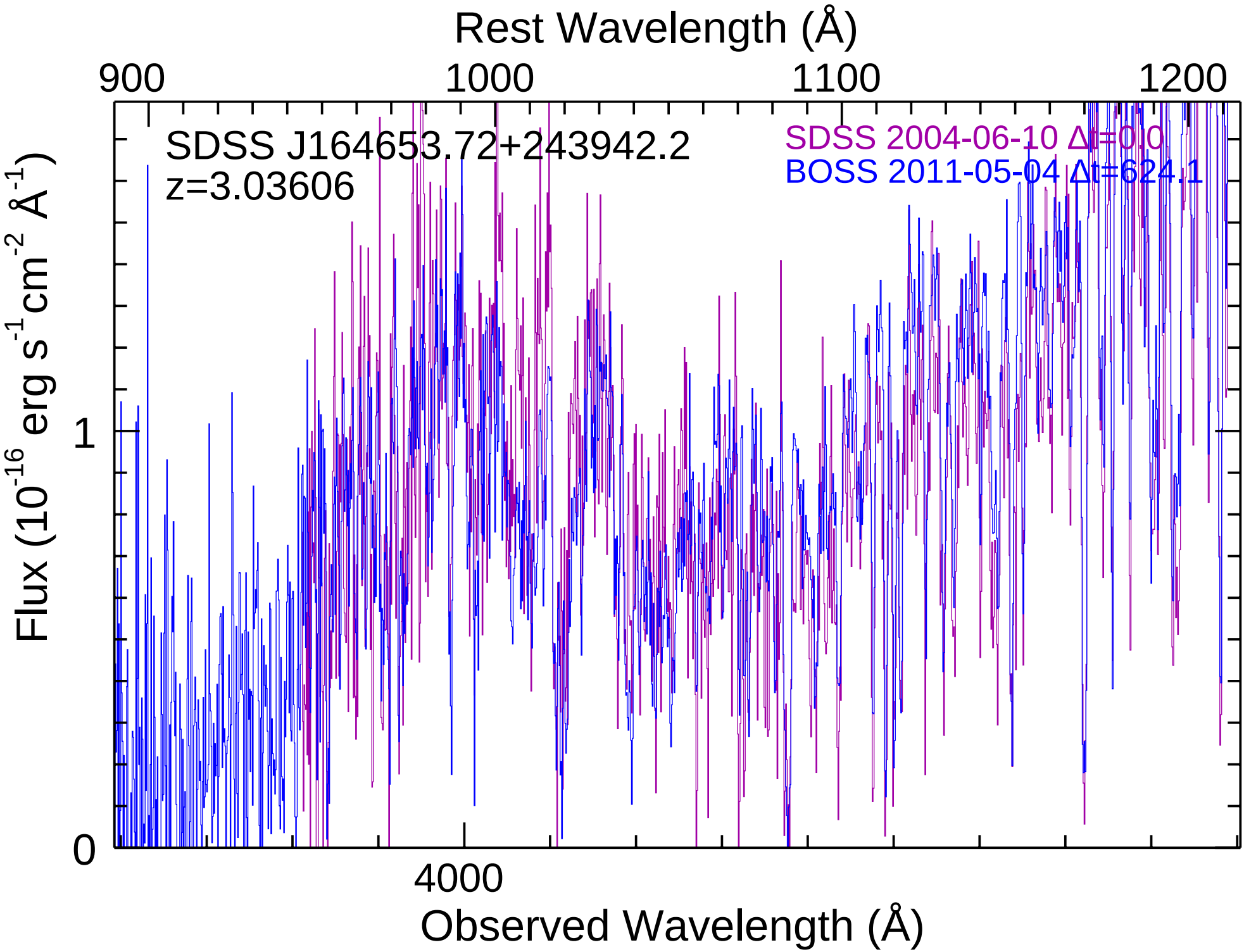
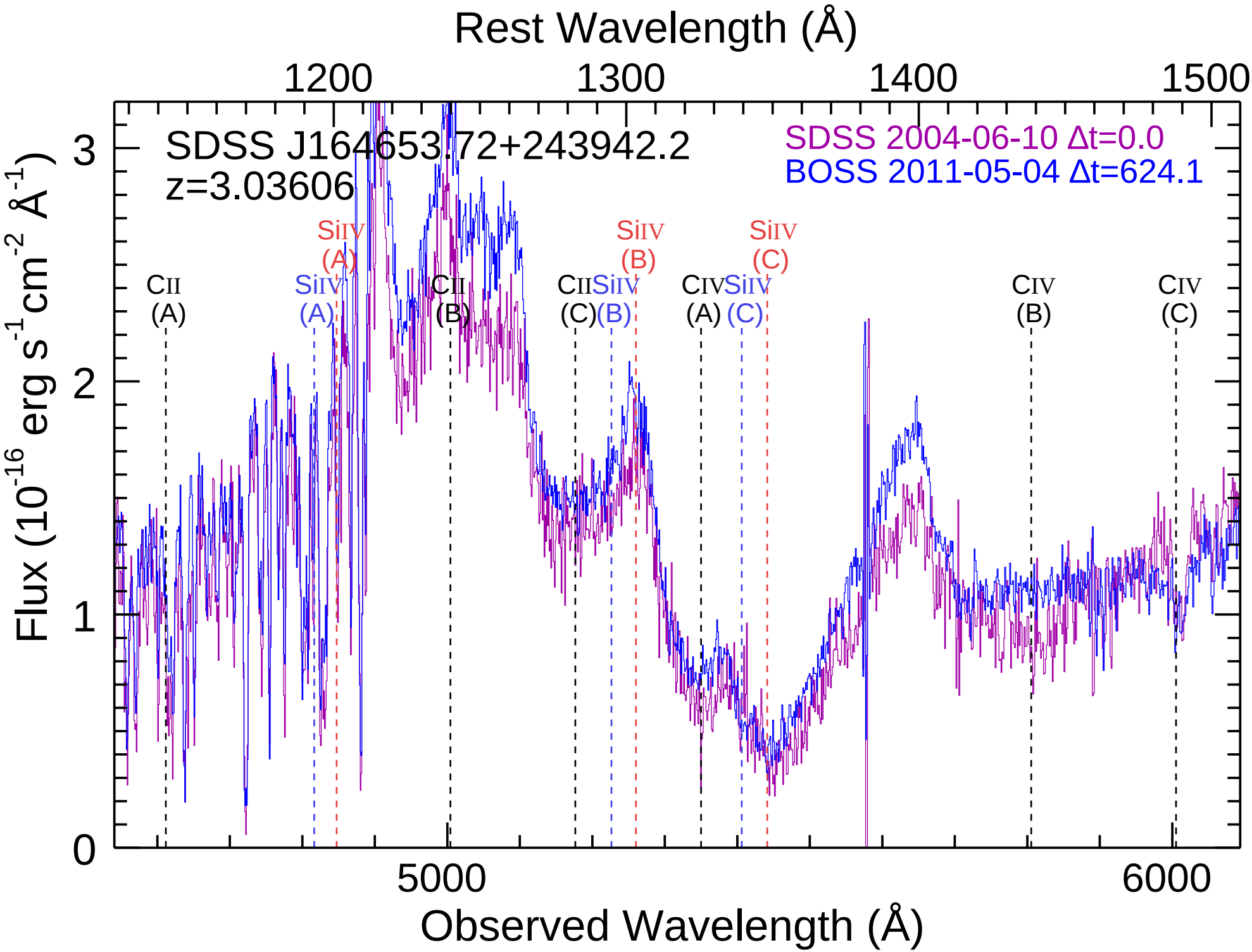
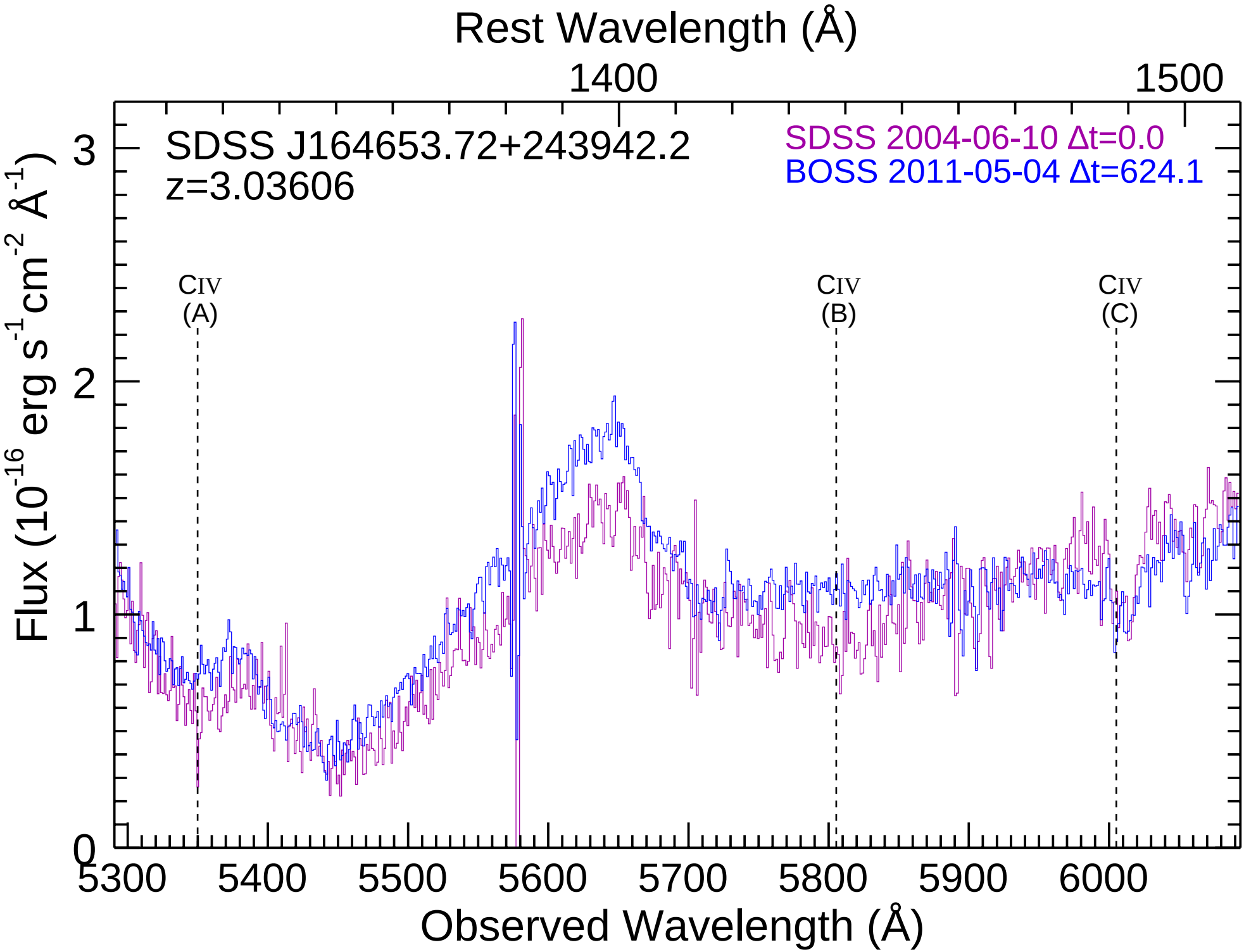
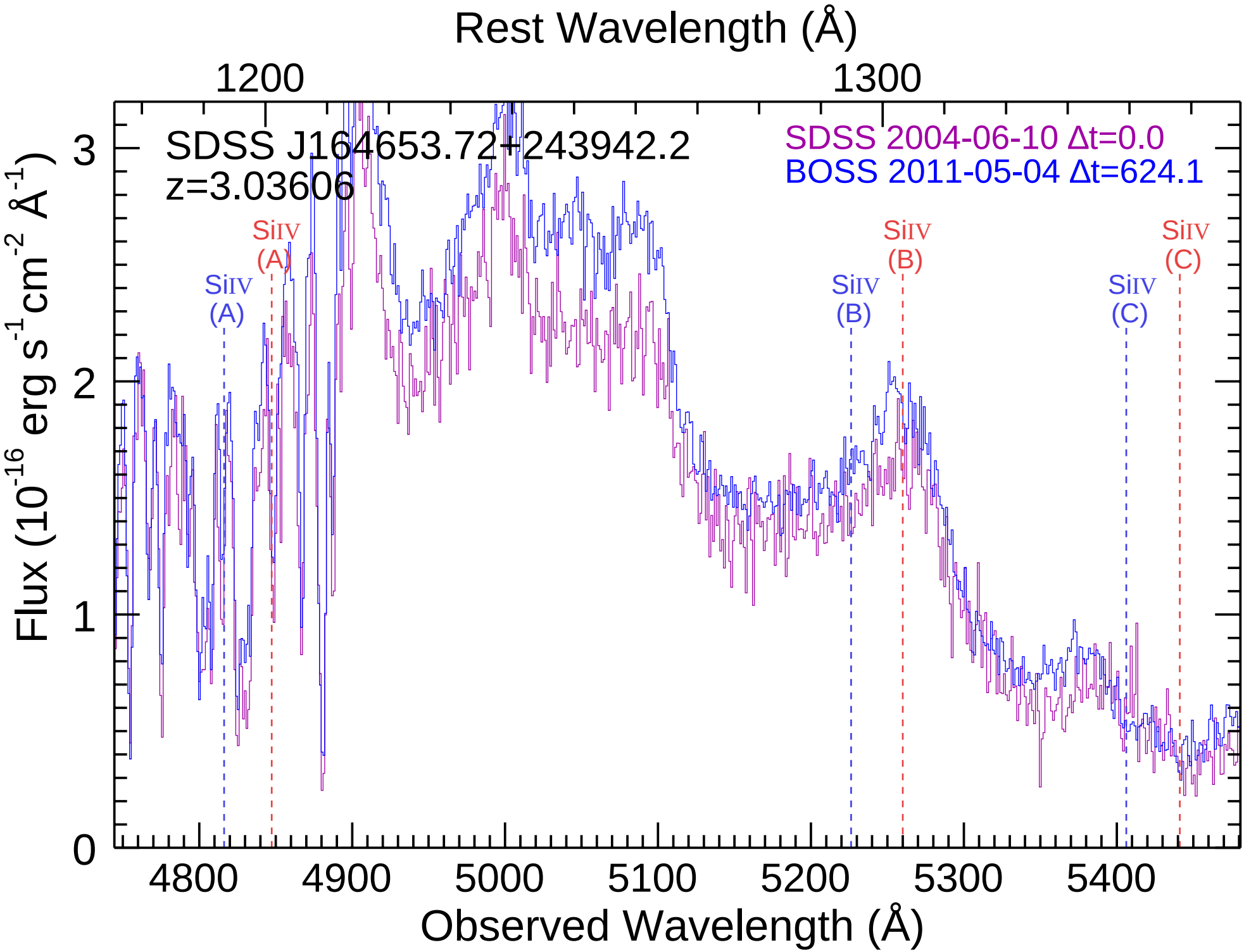
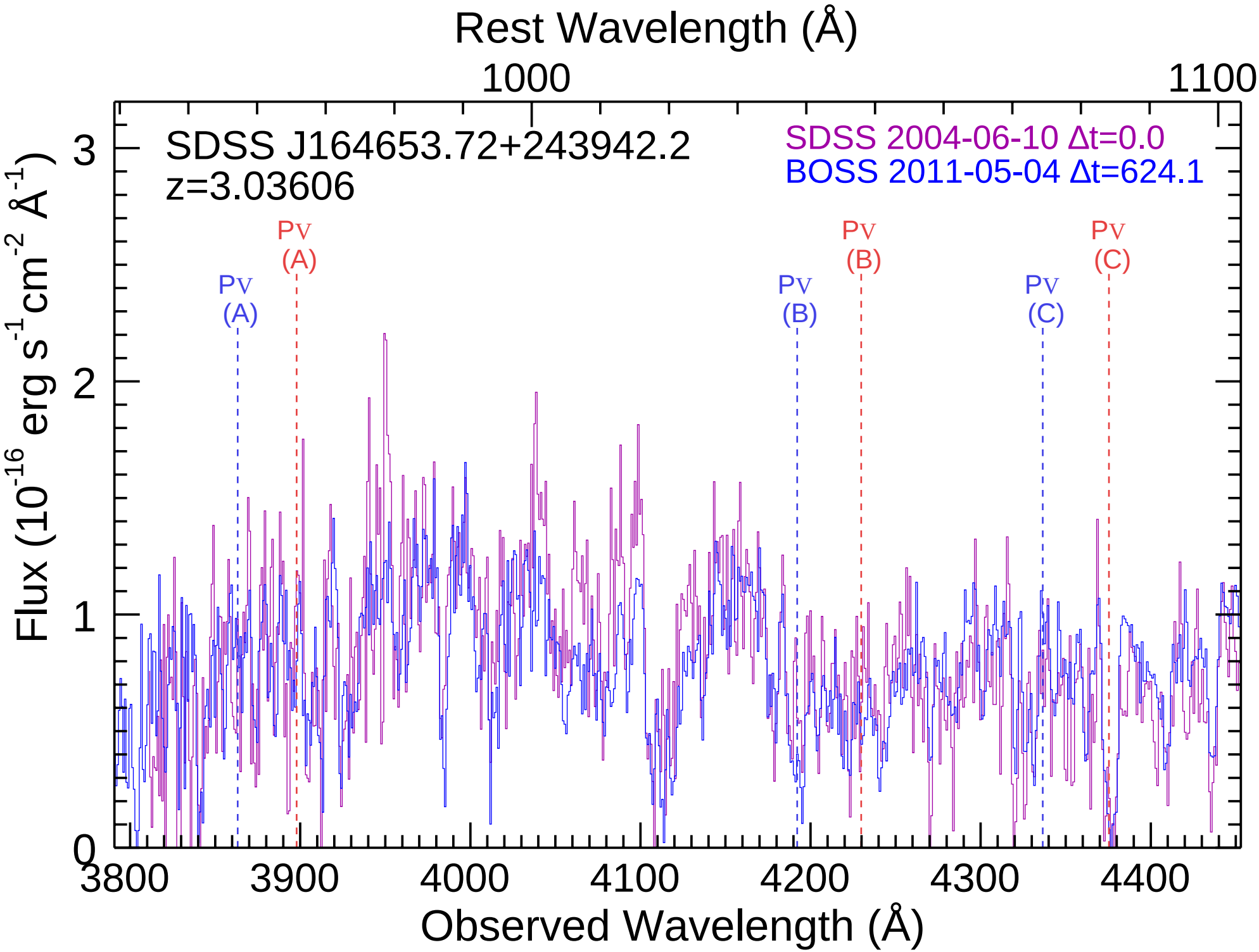

Rest Wavelength (Å)
1000
2000
SDSS J164653.72+243942.2
z=3.03606
SDSS 2004-06-10 Δt=0.0
BOSS 2011-05-04 Δt=624.1
Flux (10^{-16} erg s^{-1}cm^{-2} Å^{-1})
1
0
4000
5000
6000
7000
8000
9000
10000
Observed Wavelength (Å)

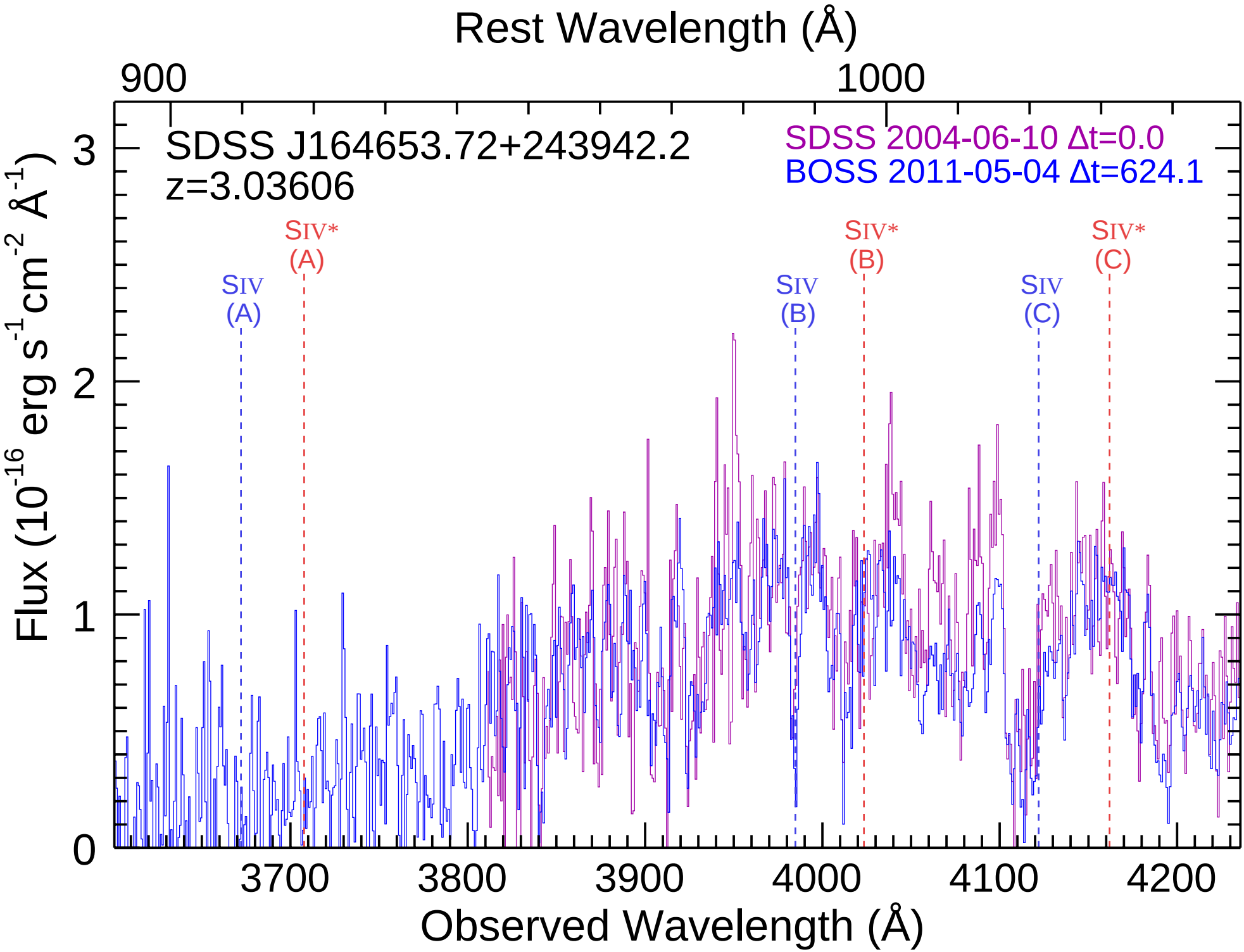

Rest Wavelength (Å)
900
1000
1100
1200
SDSS J164653.72+243942.2
z=3.03606
SDSS 2004-06-10 Δt=0.0
BOSS 2011-05-04 Δt=624.1
Flux (10^{-16} erg s^{-1}cm^{-2} Å^{-1})
1
0
4000
Observed Wavelength (Å)


Rest Wavelength (Å)
1200
1300
1400
1500
SDSS J164653.72+243942.2
z=3.03606
SDSS 2004-06-10 Δt=0.0
BOSS 2011-05-04 Δt=624.1
CII (A)
SiIV (A)
SiIV (A)
CII (B)
CII (C)
SiIV (B)
SiIV (B)
CIV (A)
SiIV (C)
SiIV (C)
CIV (B)
CIV (C)
Flux (10^{-16} erg s^{-1}cm^{-2} Å^{-1})
0
1
2
3
5000
6000
Observed Wavelength (Å)


Rest Wavelength (Å)
1400
1500
SDSS J164653.72+243942.2
z=3.03606
SDSS 2004-06-10 Δt=0.0
BOSS 2011-05-04 Δt=624.1
CIV (A)
CIV (B)
CIV (C)
Flux (10^{-16} erg s^{-1}cm^{-2} Å^{-1})
0
1
2
3
5300
5400
5500
5600
5700
5800
5900
6000
Observed Wavelength (Å)


Rest Wavelength (Å)
1200
1300
SDSS J164653.72+243942.2
z=3.03606
SDSS 2004-06-10 Δt=0.0
BOSS 2011-05-04 Δt=624.1
SiIV (A)
SiIV (A)
SiIV (B)
SiIV (B)
SiIV (C)
SiIV (C)
Flux (10^{-16} erg s^{-1}cm^{-2} Å^{-1})
0
1
2
3
4800
4900
5000
5100
5200
5300
5400
Observed Wavelength (Å)


Rest Wavelength (Å)
1000
1100
SDSS J164653.72+243942.2
z=3.03606
SDSS 2004-06-10 Δt=0.0
BOSS 2011-05-04 Δt=624.1
PV (A)
PV (A)
PV (B)
PV (B)
PV (C)
PV (C)
Flux (10^{-16} erg s^{-1}cm^{-2} Å^{-1})
0
1
2
3
3800
3900
4000
4100
4200
4300
4400
Observed Wavelength (Å)


Rest Wavelength (Å)
900
1000
SDSS J164653.72+243942.2
z=3.03606
SDSS 2004-06-10 Δt=0.0
BOSS 2011-05-04 Δt=624.1
SIV (A)
SIV* (A)
SIV (B)
SIV* (B)
SIV (C)
SIV* (C)
Flux (10^{-16} erg s^{-1}cm^{-2} Å^{-1})
0
1
2
3
3700
3800
3900
4000
4100
4200
Observed Wavelength (Å)