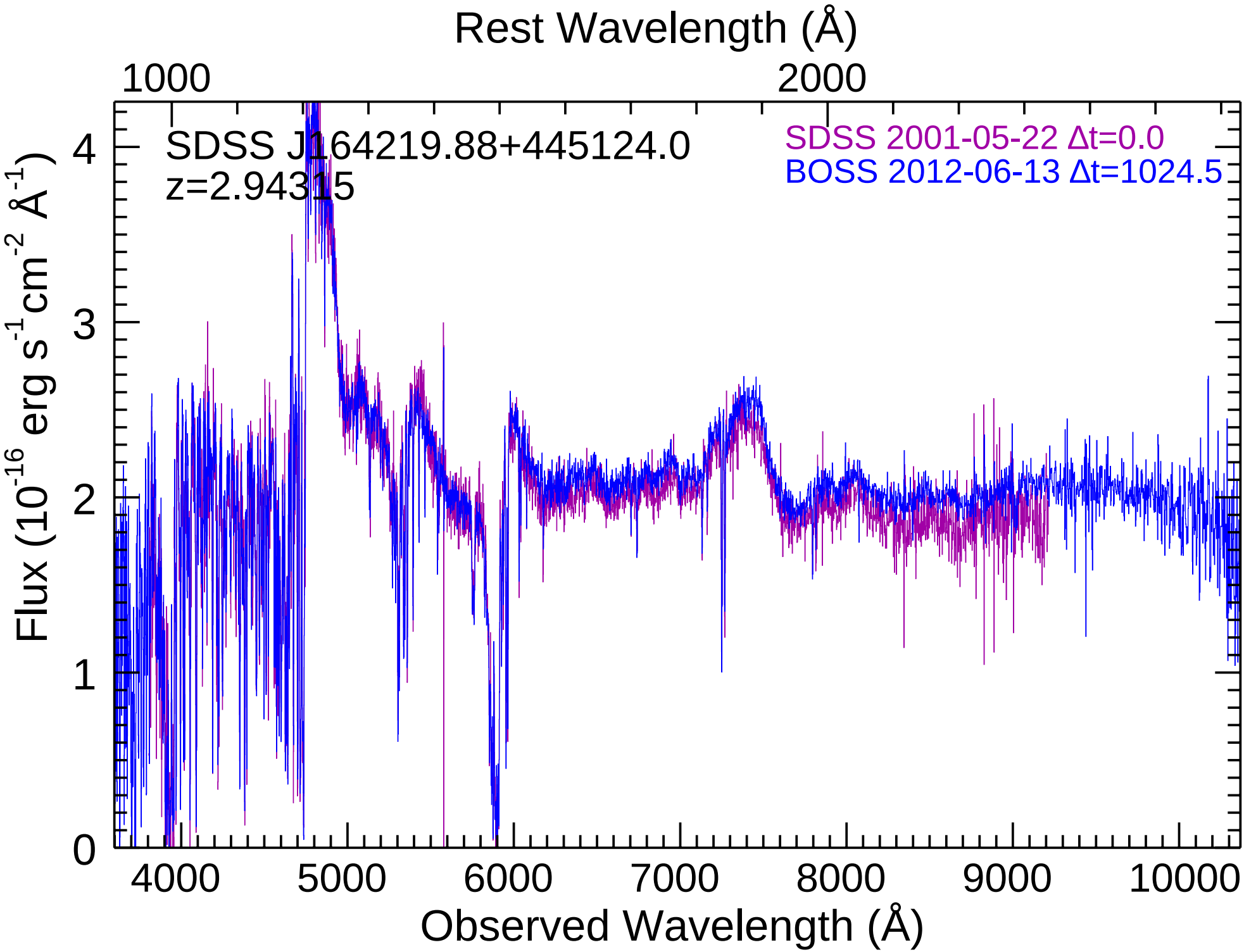
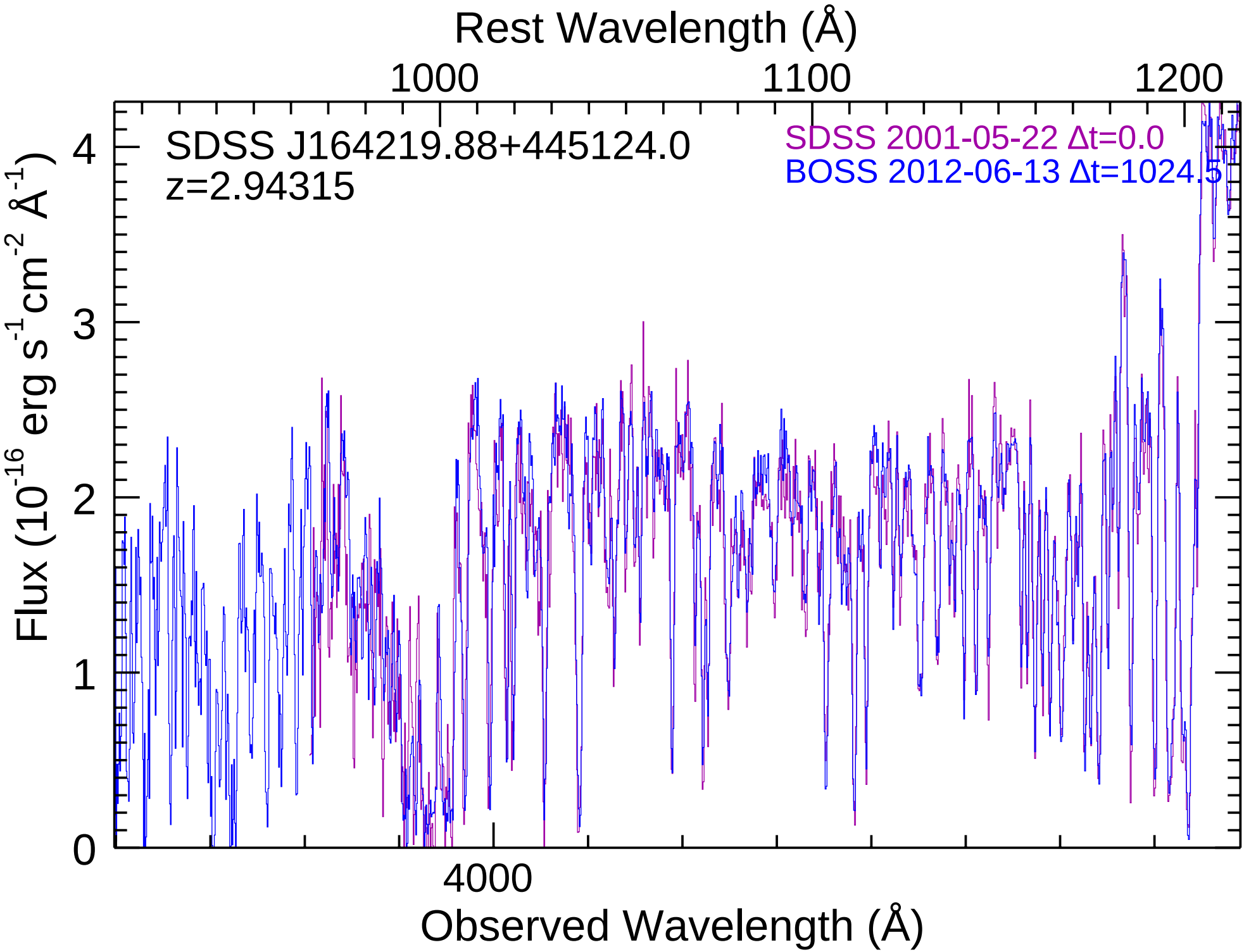
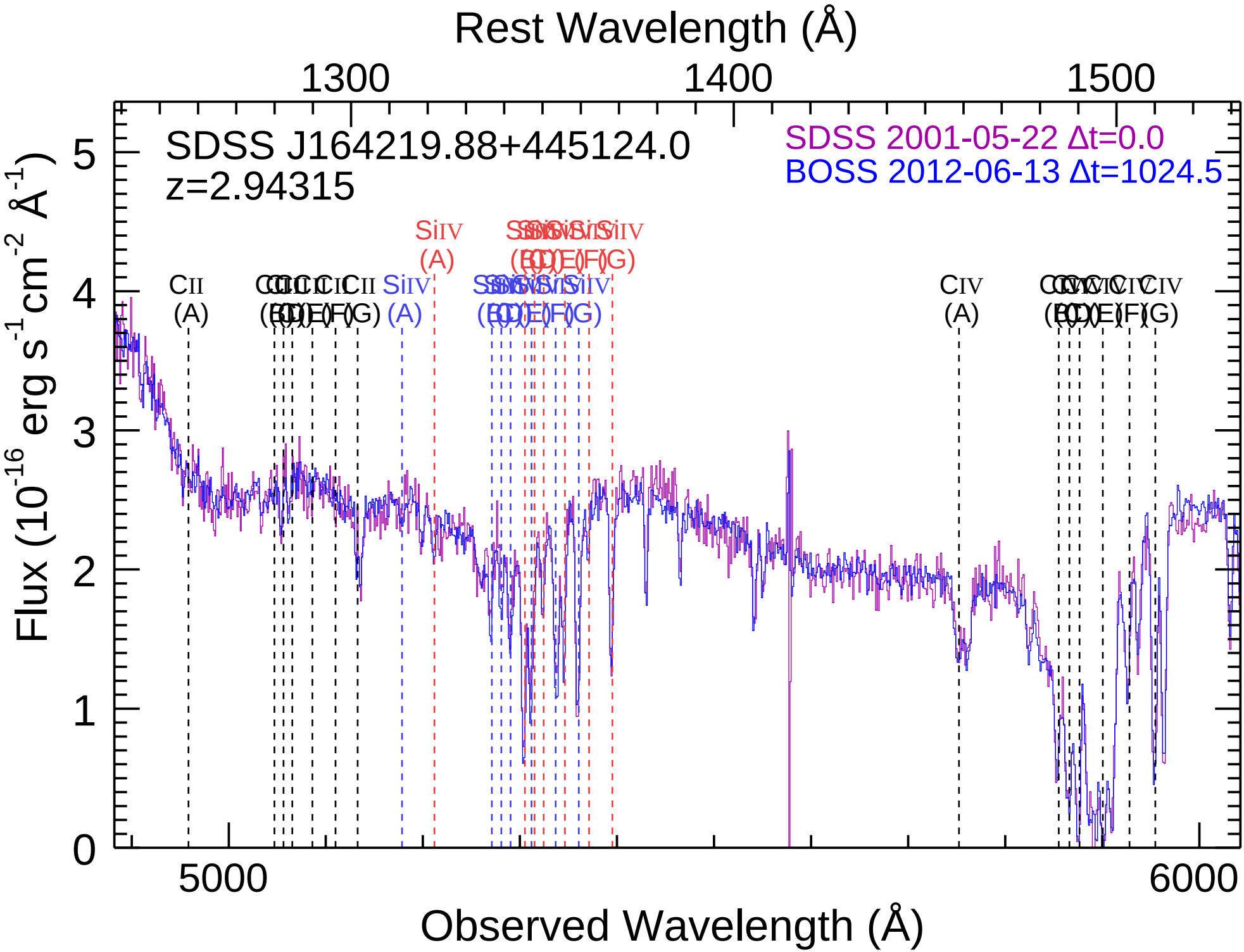
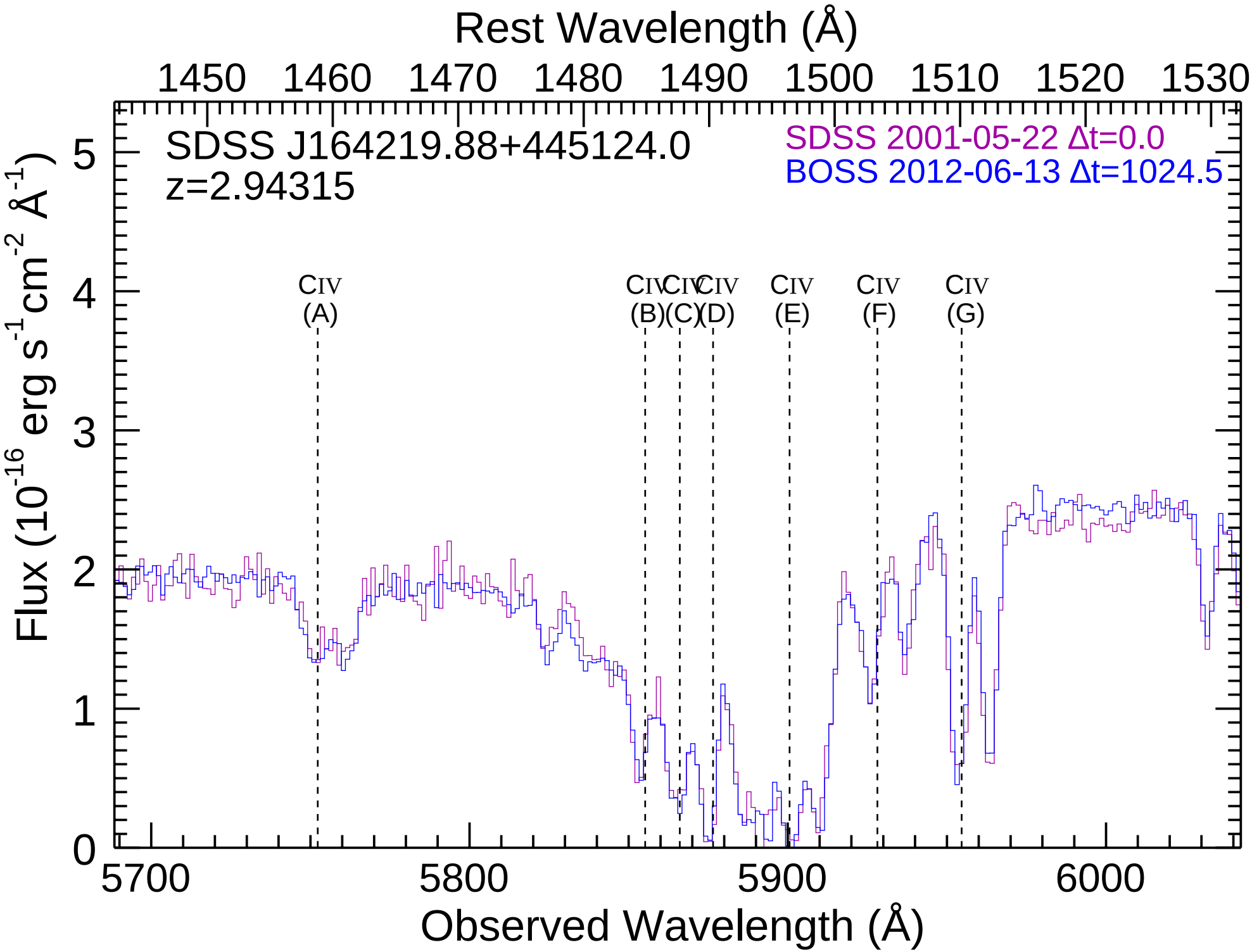
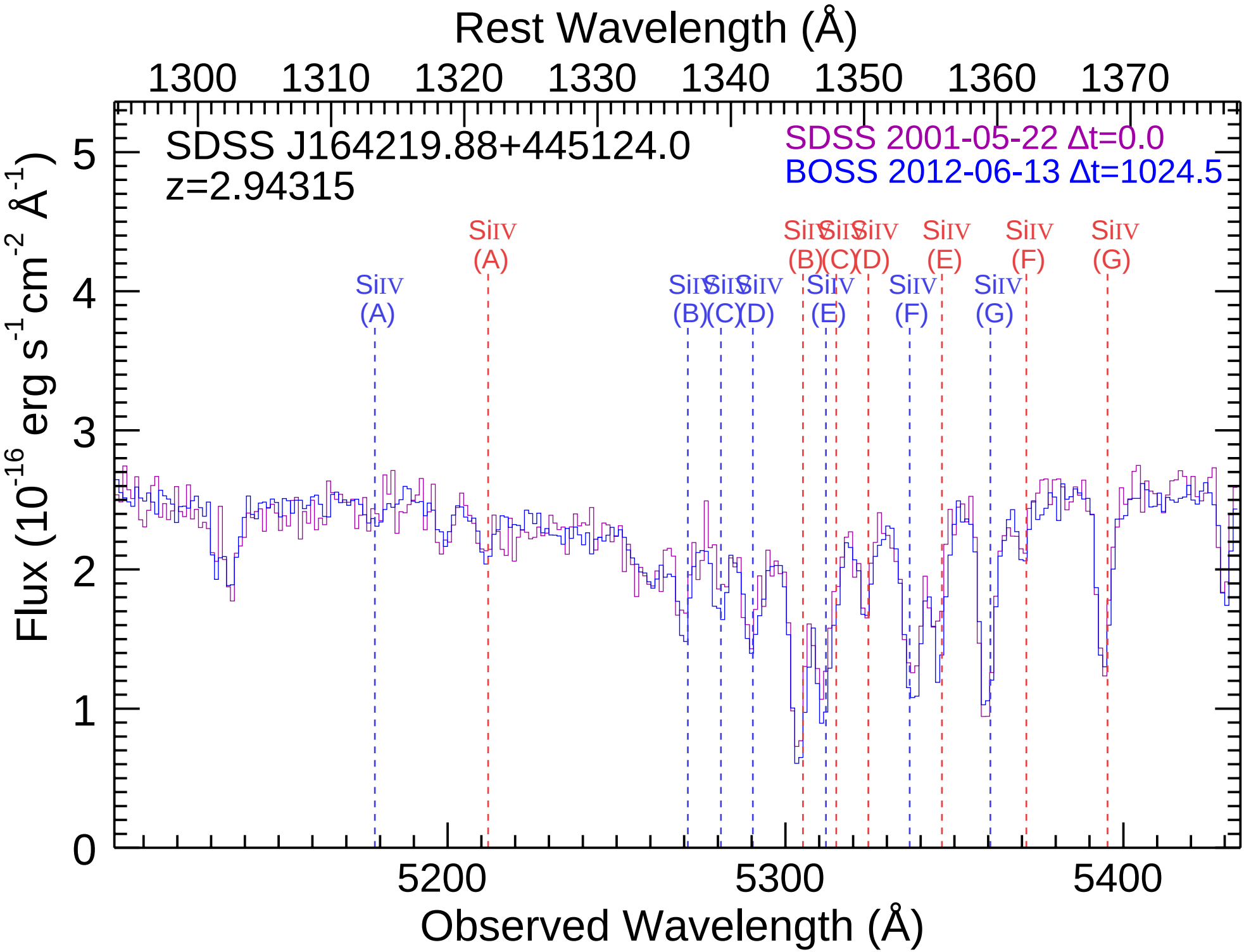
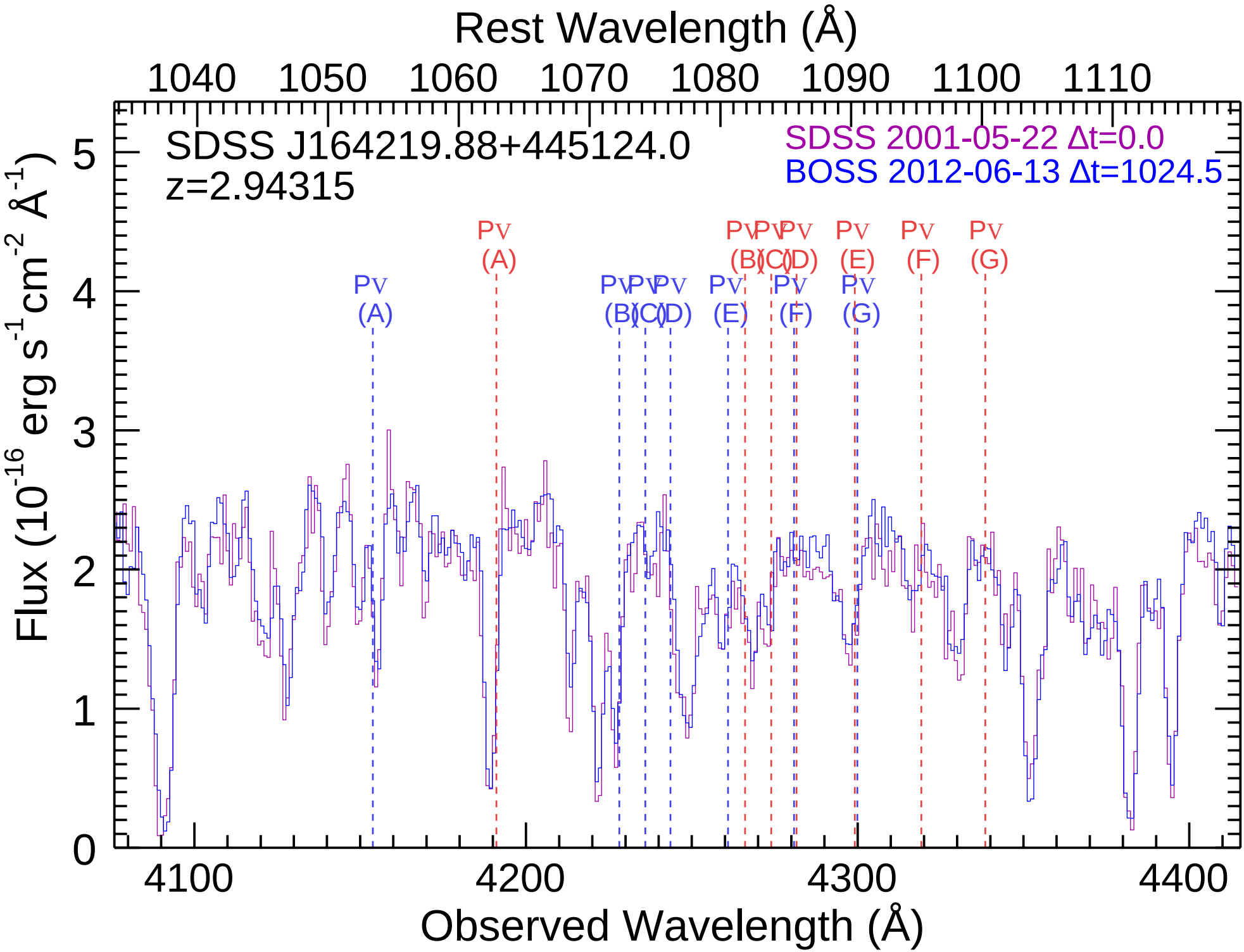

Rest Wavelength (Å)
1000
2000
SDSS J164219.88+445124.0
z=2.94315
SDSS 2001-05-22 Δt=0.0
BOSS 2012-06-13 Δt=1024.5
Flux (10^{-16} erg s^{-1}cm^{-2} Å^{-1})
0
1
2
3
4
4000
5000
6000
7000
8000
9000
10000
Observed Wavelength (Å)

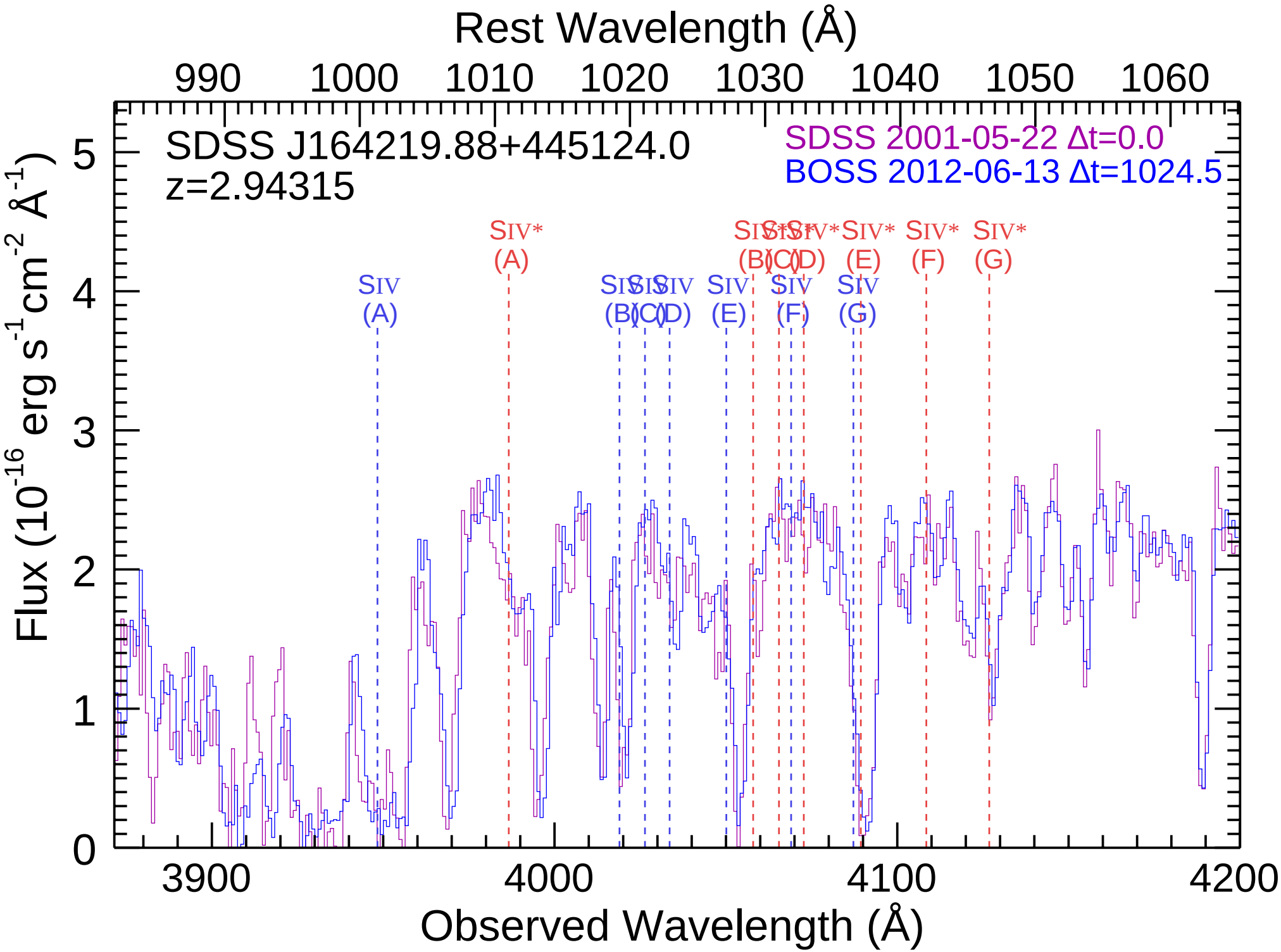

Rest Wavelength (Å)
1000
1100
1200
SDSS J164219.88+445124.0
z=2.94315
SDSS 2001-05-22 Δt=0.0
BOSS 2012-06-13 Δt=1024.5
Flux (10^{-16} erg s^{-1}cm^{-2} Å^{-1})
0
1
2
3
4
4000
Observed Wavelength (Å)


Rest Wavelength (Å)
1300
1400
1500
SDSS J164219.88+445124.0
z=2.94315
SDSS 2001-05-22 Δt=0.0
BOSS 2012-06-13 Δt=1024.5
CII (A)
SiIV (A)
CIV (A)
Flux (10^{-16} erg s^{-1}cm^{-2} Å^{-1})
0
1
2
3
4
5
5000
6000
Observed Wavelength (Å)


Rest Wavelength (Å)
1450
1460
1470
1480
1490
1500
1510
1520
1530
SDSS J164219.88+445124.0
z=2.94315
SDSS 2001-05-22 Δt=0.0
BOSS 2012-06-13 Δt=1024.5
CIV (A)
CIV (B)
CIV (C)
CIV (D)
CIV (E)
CIV (F)
CIV (G)
Flux (10^{-16} erg s^{-1}cm^{-2} Å^{-1})
0
1
2
3
4
5
5700
5800
5900
6000
Observed Wavelength (Å)


Rest Wavelength (Å)
1300
1310
1320
1330
1340
1350
1360
1370
SDSS J164219.88+445124.0
z=2.94315
SDSS 2001-05-22 Δt=0.0
BOSS 2012-06-13 Δt=1024.5
SiIV (A)
SiIV (B)
SiIV (C)
SiIV (D)
SiIV (E)
SiIV (F)
SiIV (G)
Flux (10^{-16} erg s^{-1}cm^{-2} Å^{-1})
0
1
2
3
4
5
5200
5300
5400
Observed Wavelength (Å)


Rest Wavelength (Å)
1040
1050
1060
1070
1080
1090
1100
1110
SDSS J164219.88+445124.0
z=2.94315
SDSS 2001-05-22 Δt=0.0
BOSS 2012-06-13 Δt=1024.5
P V (A)
P V (B)
P V (C)
P V (D)
P V (E)
P V (F)
P V (G)
Flux (10^{-16} erg s^{-1}cm^{-2} Å^{-1})
0
1
2
3
4
5
4100
4200
4300
4400
Observed Wavelength (Å)


Rest Wavelength (Å)
990
1000
1010
1020
1030
1040
1050
1060
SDSS J164219.88+445124.0
z=2.94315
SDSS 2001-05-22 Δt=0.0
BOSS 2012-06-13 Δt=1024.5
SIV* (A)
SIV (A)
SIV (B)
SIV (C)
SIV (D)
SIV (E)
SIV (F)
SIV (G)
SIV* (B)
SIV* (C)
SIV* (D)
SIV* (E)
SIV* (F)
SIV* (G)
Flux (10^{-16} erg s^{-1}cm^{-2} Å^{-1})
0
1
2
3
4
5
3900
4000
4100
4200
Observed Wavelength (Å)