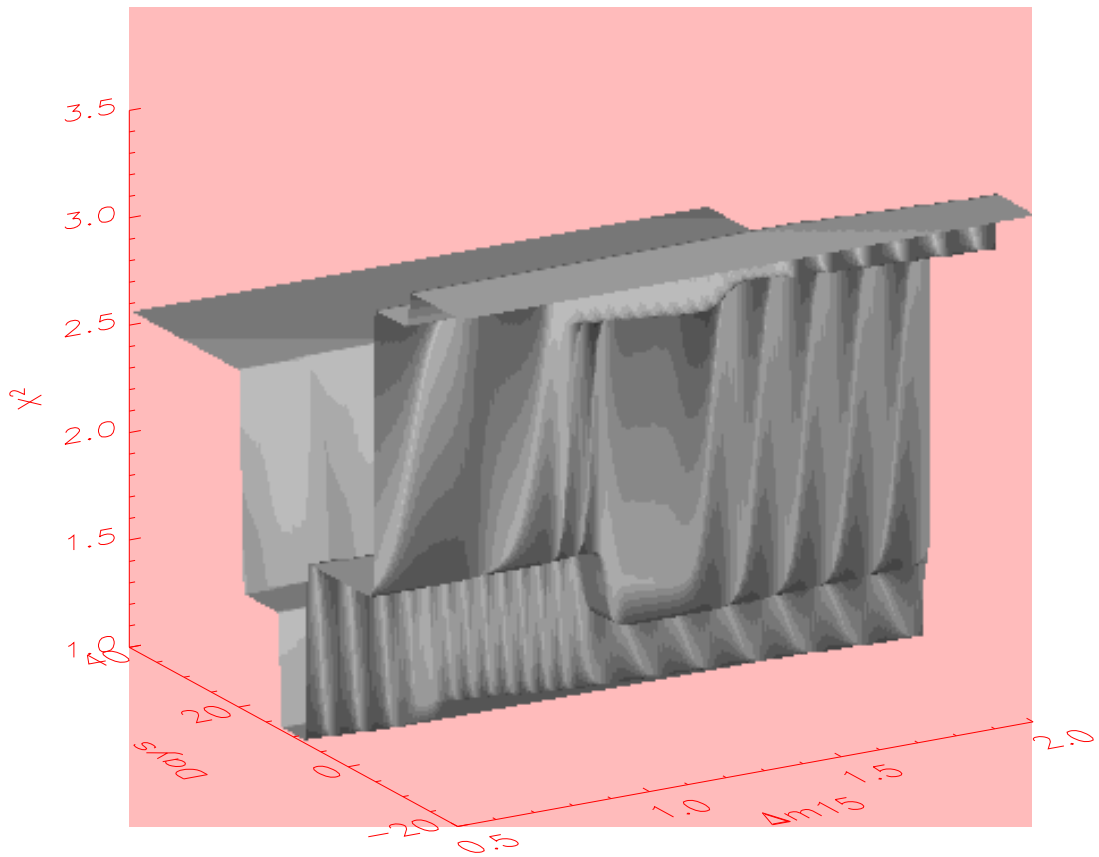
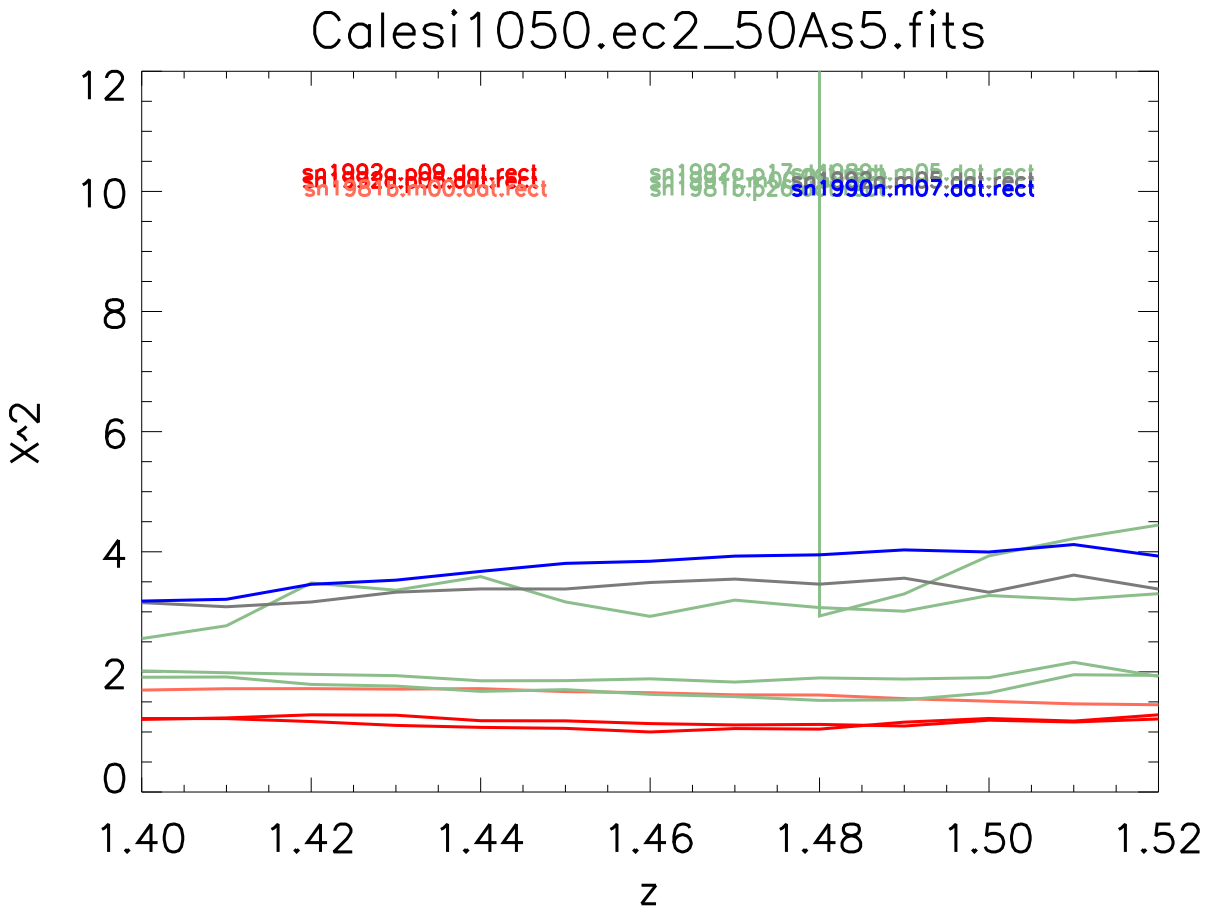
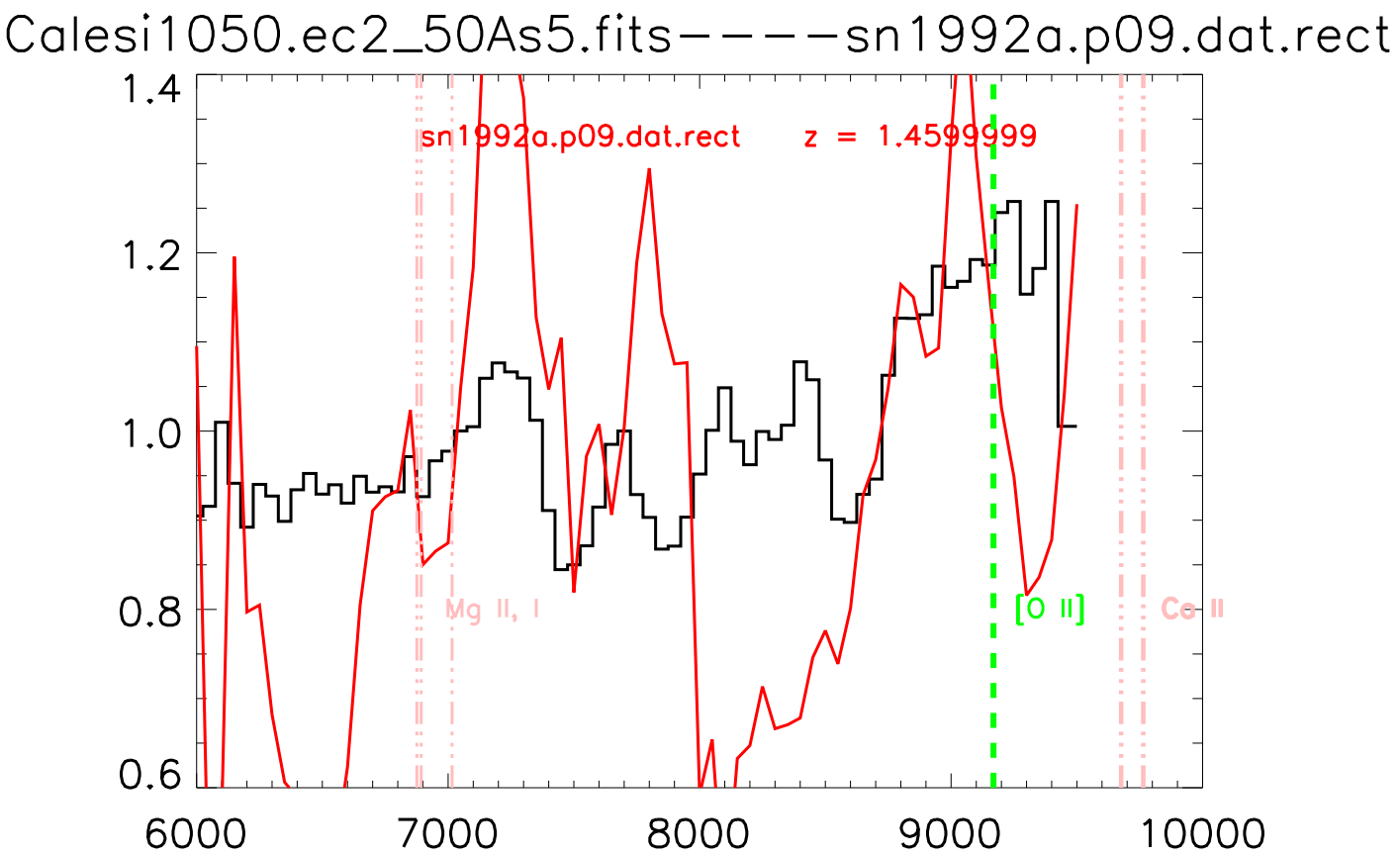
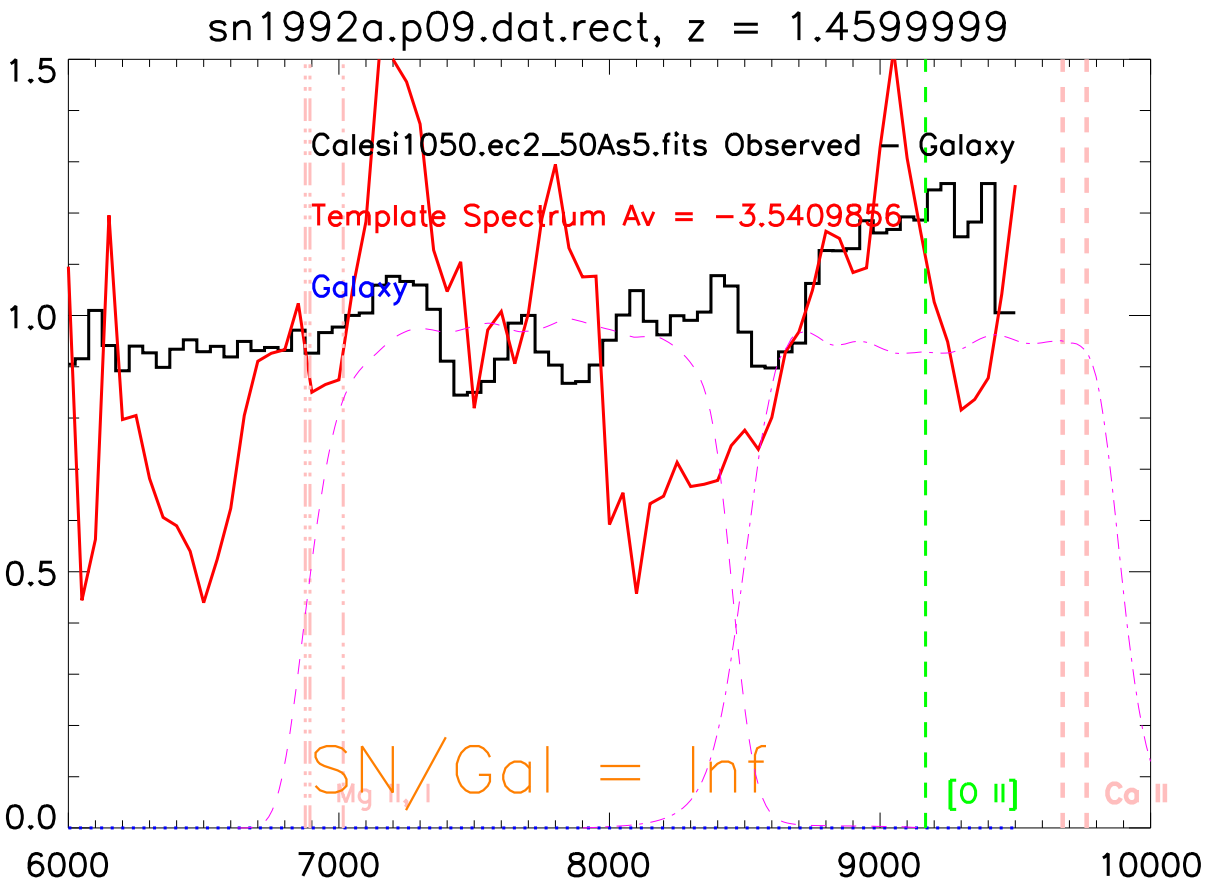
2.6
1.5
1.0
1.1
1.8
1.5
2.9
3.1
3.2
3.3

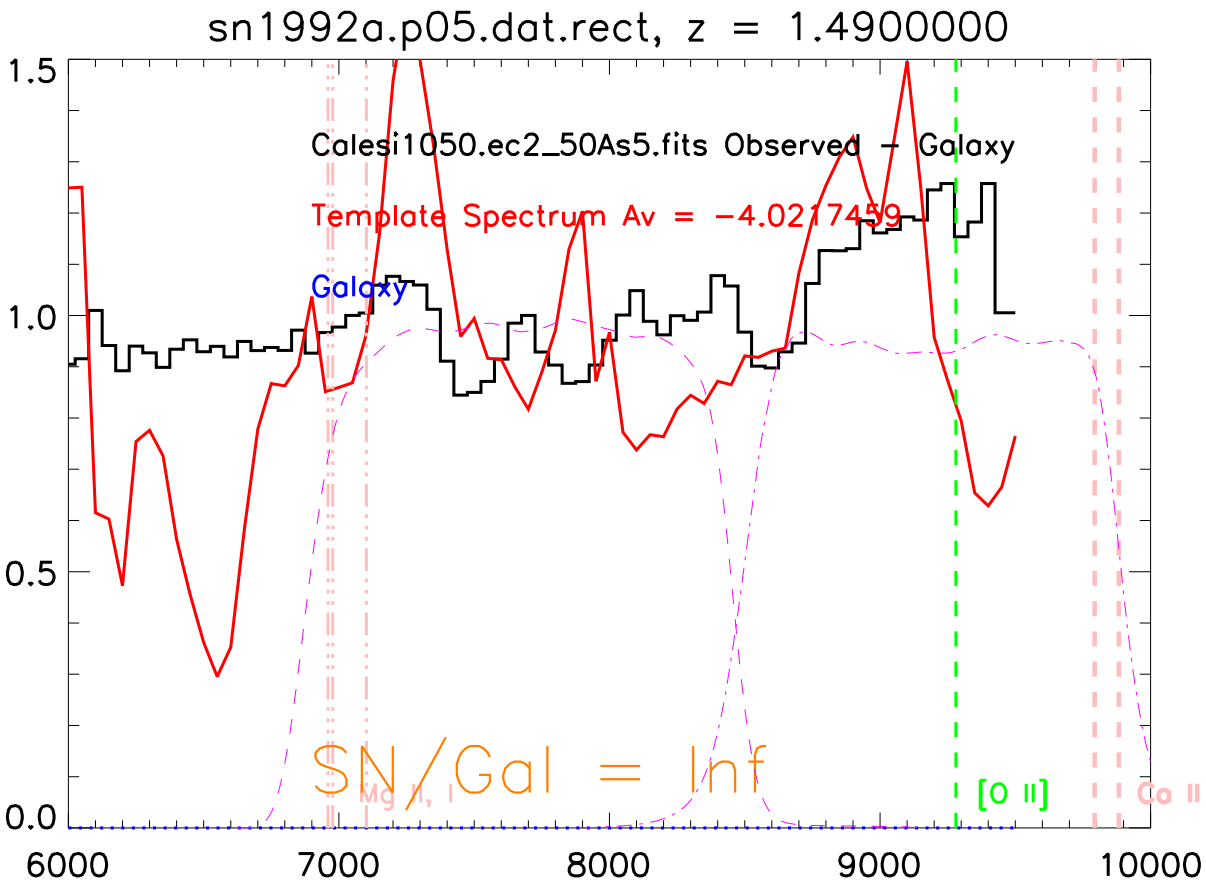


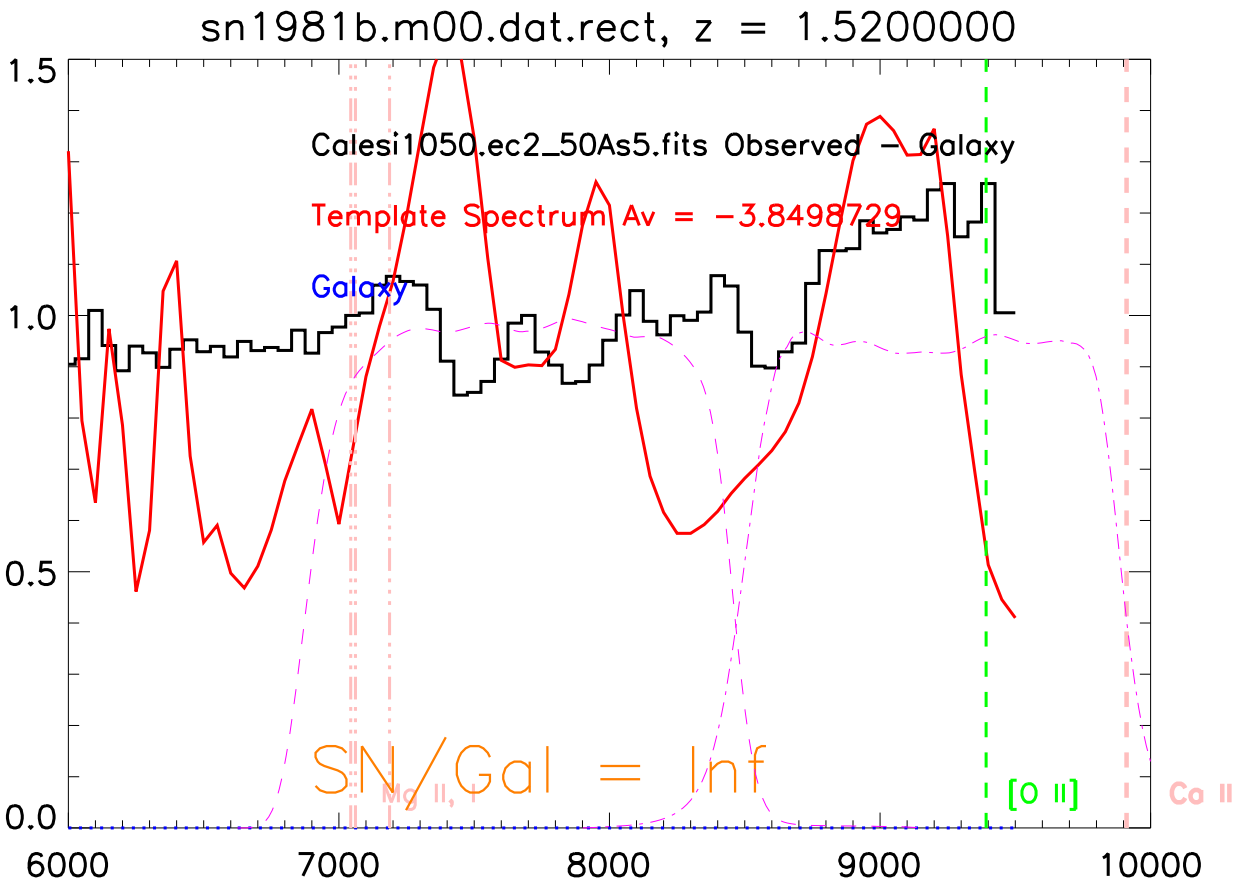
3.5
3.0
2.5
2.0
1.5
1.0
χ^2
40
20
0
−20
Days
0.5
1.0
1.5
2.0
Δm15

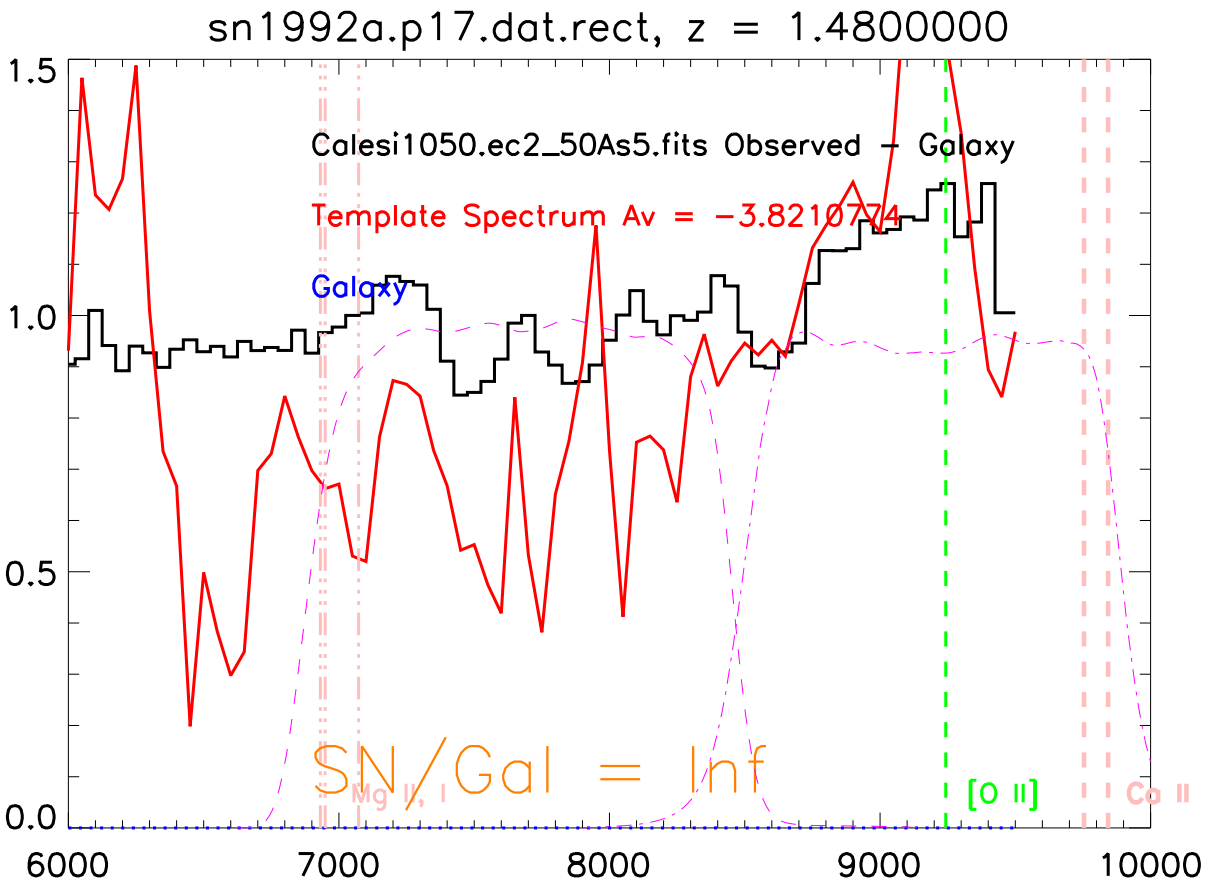

Calesi1050.ec2_50As5.fits
12
10
8
6
4
2
0
X^2
1.40
1.42
1.44
1.46
1.48
1.50
1.52
z
sn1990n:m07.dat:rect

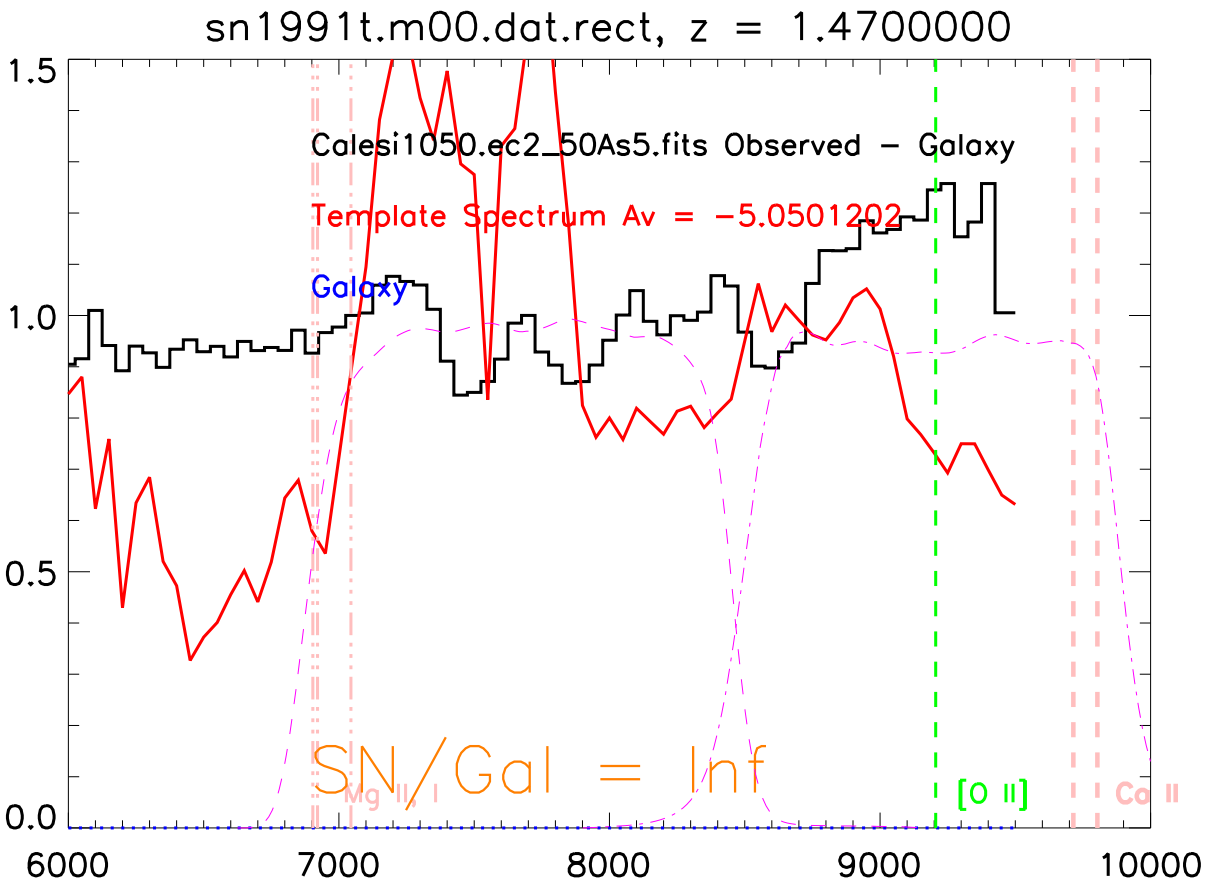

Calesi1050.ec2_50As5.fits----sn1992a.p09.dat.rect
sn1992a.p09.dat.rect z = 1.4599999
Mg II, I
[O II]
Ce II
1.4
1.2
1.0
0.8
0.6
6000
7000
8000
9000
10000

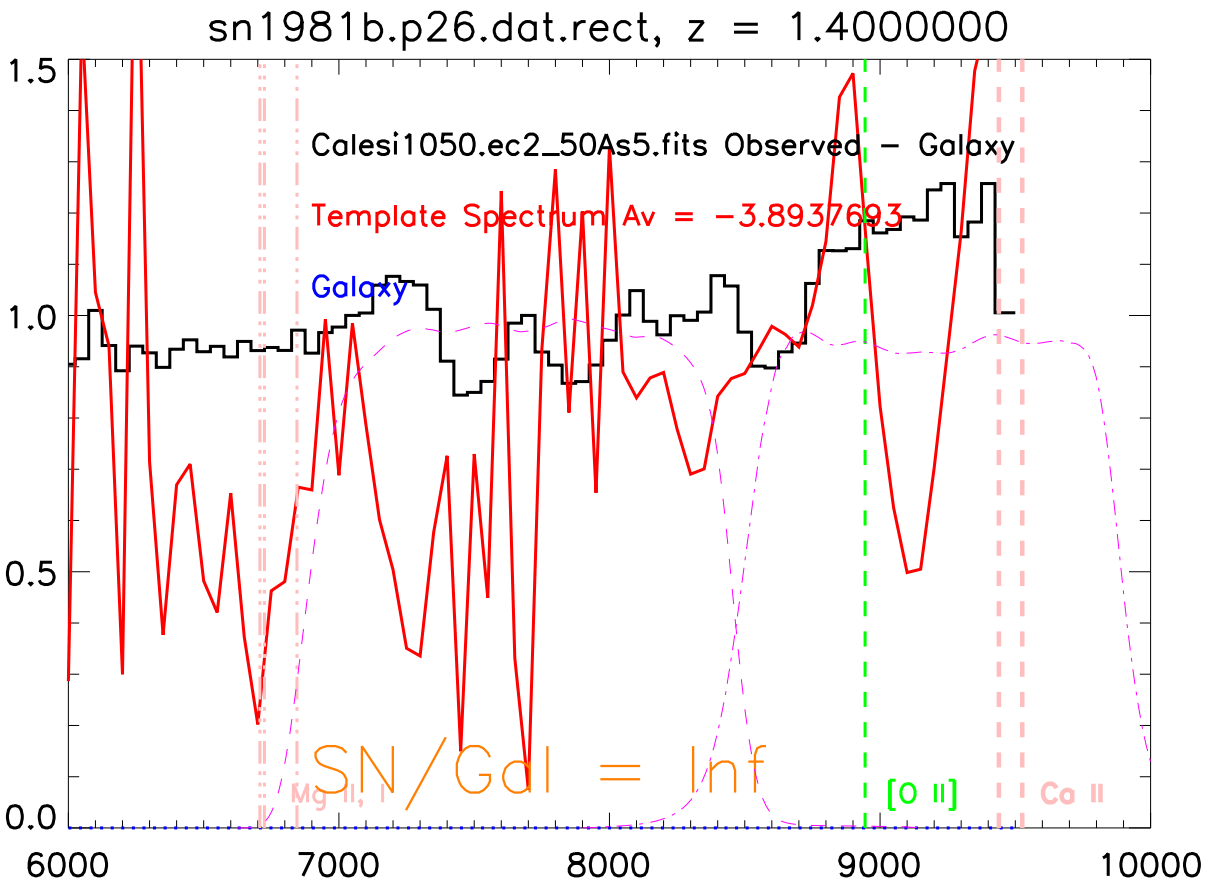

sn1992a.p09.dat.rect, z = 1.4599999
Calesi1050.ec2_50As5.fits Observed — Galaxy
Template Spectrum Av = −3.5409856
Galaxy
SN/Gal = Inf
Mg II, I
[O II]
Ca II
1.5
1.0
0.5
0.0
6000
7000
8000
9000
10000

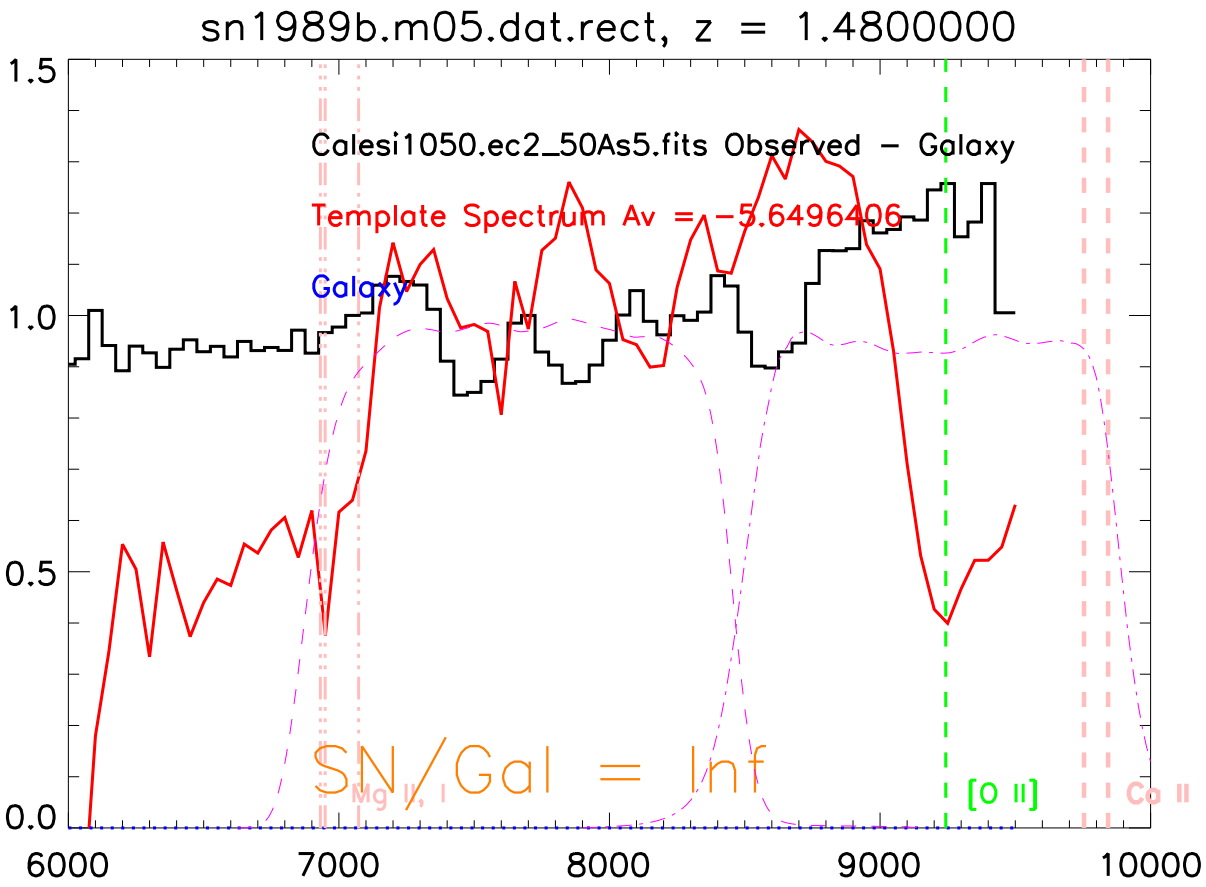

sn1992a.p05.dat.rect, z = 1.4900000
Calesi1050.ec2_50As5.fits Observed – Galaxy
Template Spectrum Av = -4.0217459
Galaxy
SN/Gal = Inf
Mg I, I
[O II]
Ca II
1.5
1.0
0.5
0.0
6000
7000
8000
9000
10000

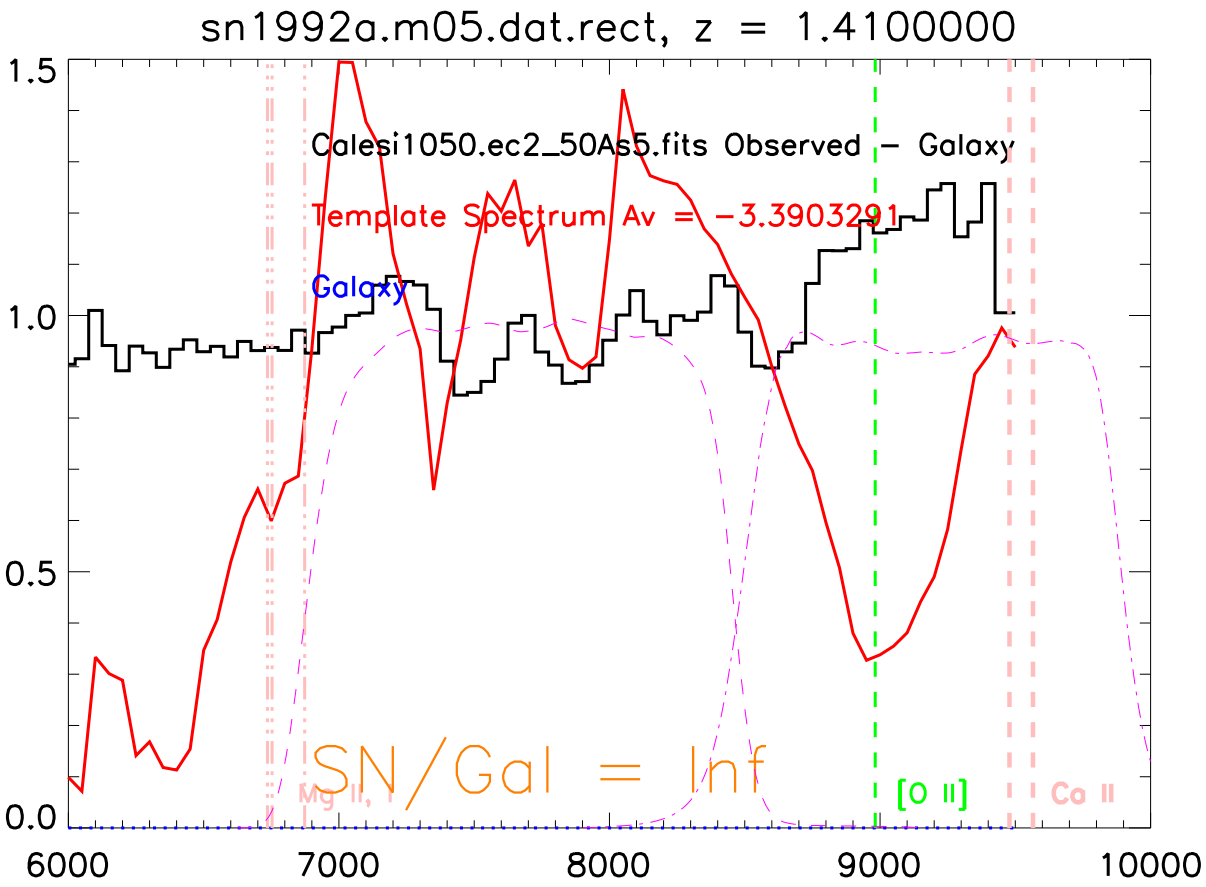

sn1981b.m00.dat.rect, z = 1.5200000
Calesi1050.ec2_50As5.fits Observed – Galaxy
Template Spectrum Av = -3.8498729
Galaxy
SN/Gal = Inf
Mg II, I
[O II]
Ca II
1.5
1.0
0.5
0.0
6000
7000
8000
9000
10000

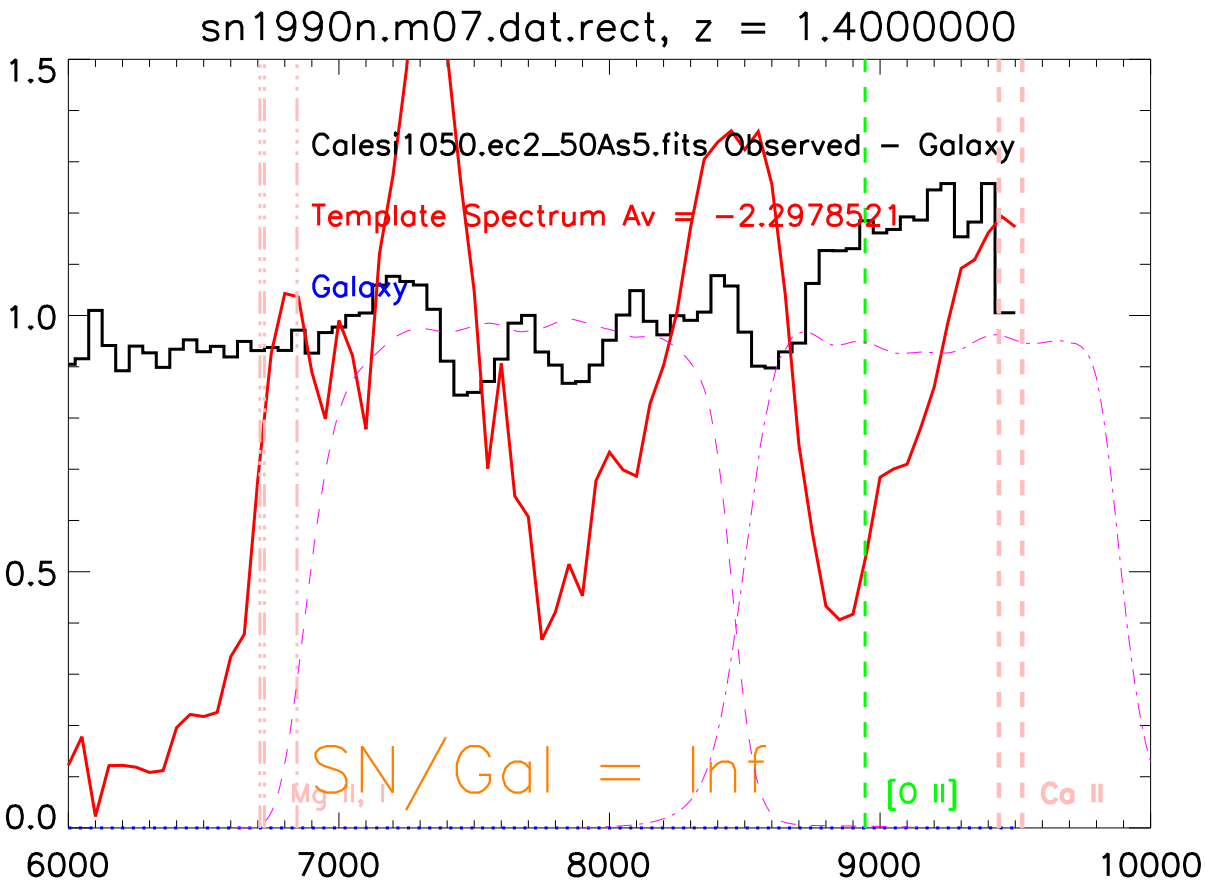

sn1992a.p17.dat.rect, z = 1.4800000
Calesi1050.ec2_50As5.fits Observed – Galaxy
Template Spectrum Av = -3.8210774
Galaxy
SN/Gal = Inf
Mg II, I
[O II]
Ca II
1.5
1.0
0.5
0.0
6000
7000
8000
9000
10000


sn1991t.m00.dat.rect, z = 1.4700000
Calesi1050.ec2_50As5.fits Observed − Galaxy
Template Spectrum Av = −5.0501202
Galaxy
SN/Gal = Inf
Mg II, I
[O II]
Ca II
1.5
1.0
0.5
0.0
6000
7000
8000
9000
10000


sn1981b.p26.dat.rect, z = 1.4000000
Calesi1050.ec2_50As5.fits Observed – Galaxy
Template Spectrum Av = -3.8937693
Galaxy
SN/Gdl = Inf
Mg II, I
[O II]
Ca II
1.5
1.0
0.5
0.0
6000
7000
8000
9000
10000


sn1989b.m05.dat.rect, z = 1.4800000
Calesi1050.ec2_50As5.fits Observed − Galaxy
Template Spectrum Av = −5.6496406
Galaxy
SN/Gal = Inf
Mg II, I
[O II]
Ca II
1.5
1.0
0.5
0.0
6000
7000
8000
9000
10000


sn1992a.m05.dat.rect, z = 1.4100000
Calesi1050.ec2_50As5.fits Observed – Galaxy
Template Spectrum Av = −3.3903291
Galaxy
SN/Gal = Inf
[O II]
Ca II
1.5
1.0
0.5
0.0
6000
7000
8000
9000
10000


sn1990n.m07.dat.rect, z = 1.4000000
Calesi1050.ec2_50As5.fits Observed – Galaxy
Template Spectrum Av = -2.2978521
Galaxy
SN/Gal = Inf
Mg II, I
[O II]
Ca II
1.5
1.0
0.5
0.0
6000
7000
8000
9000
10000