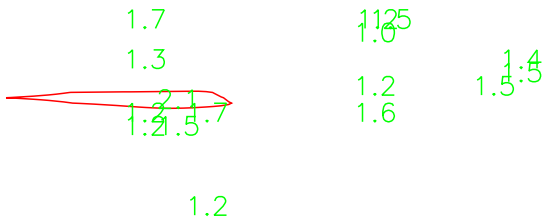
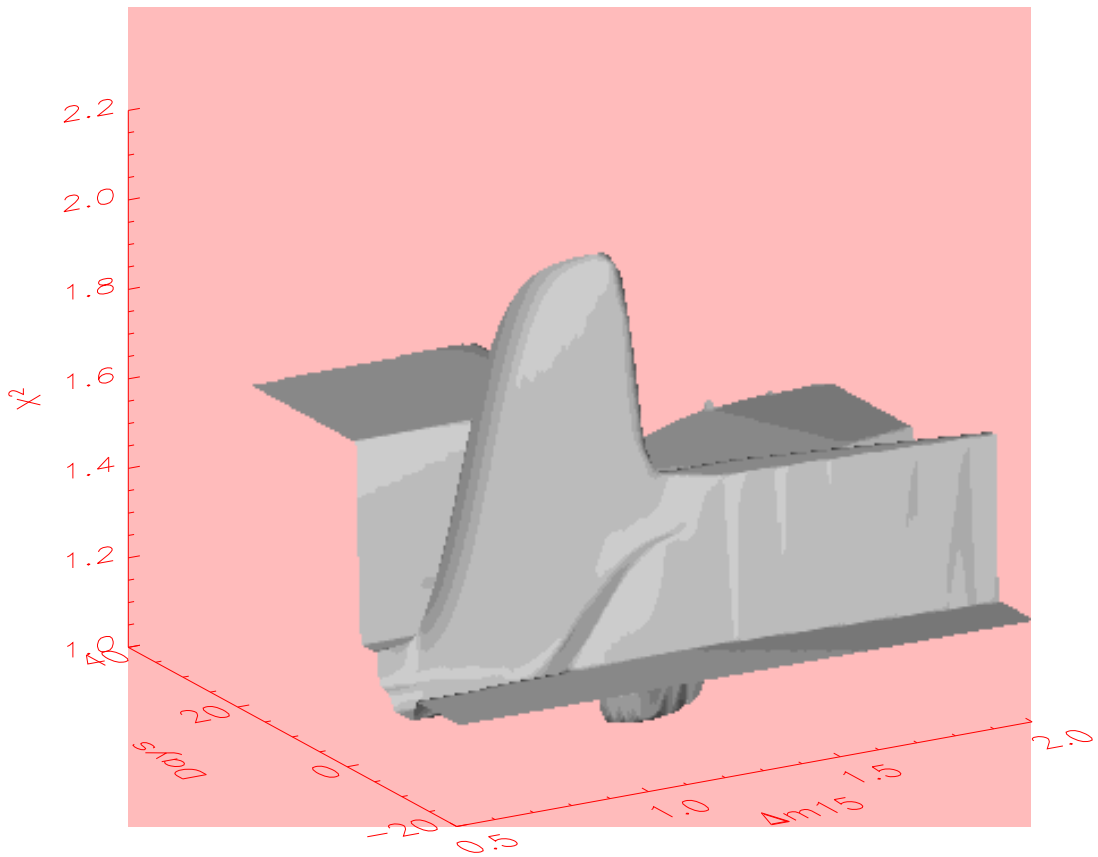
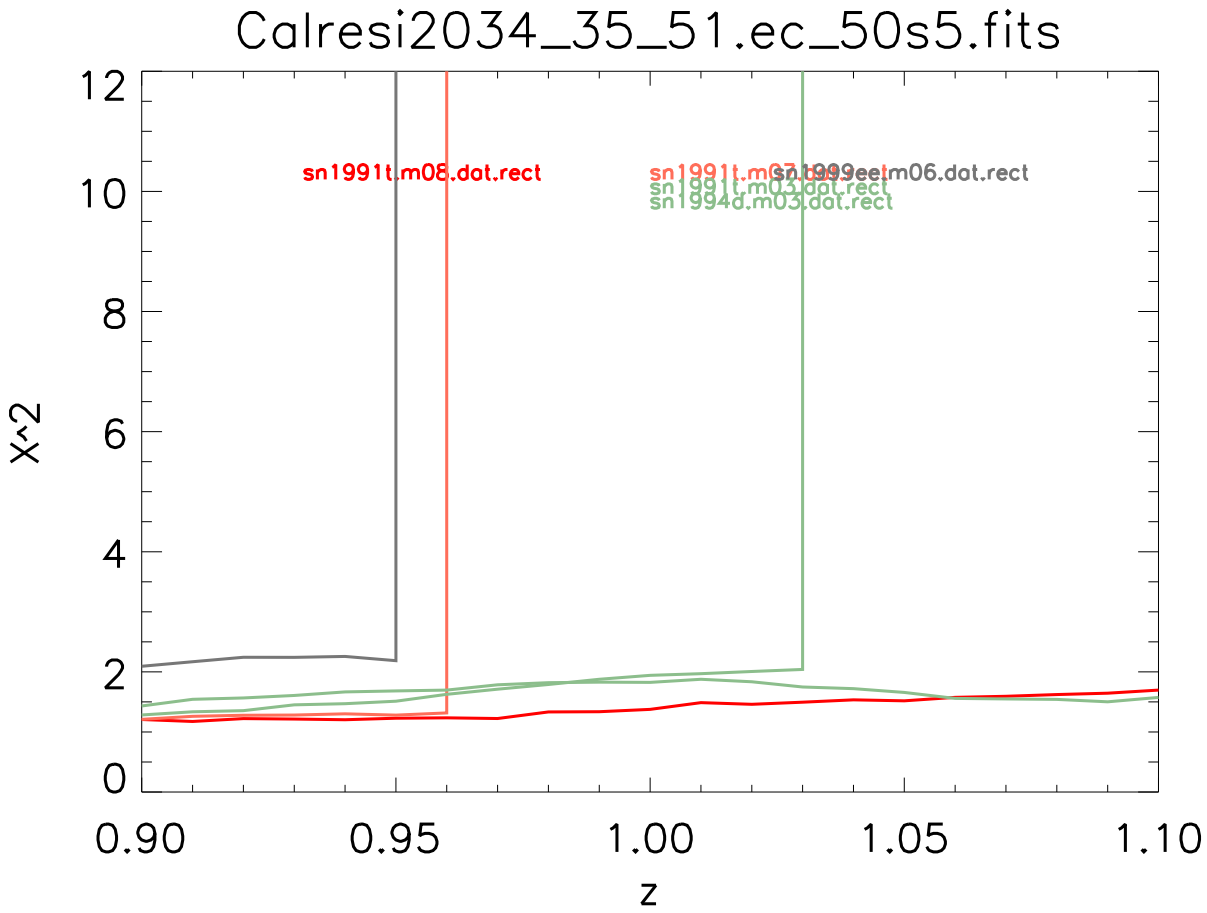
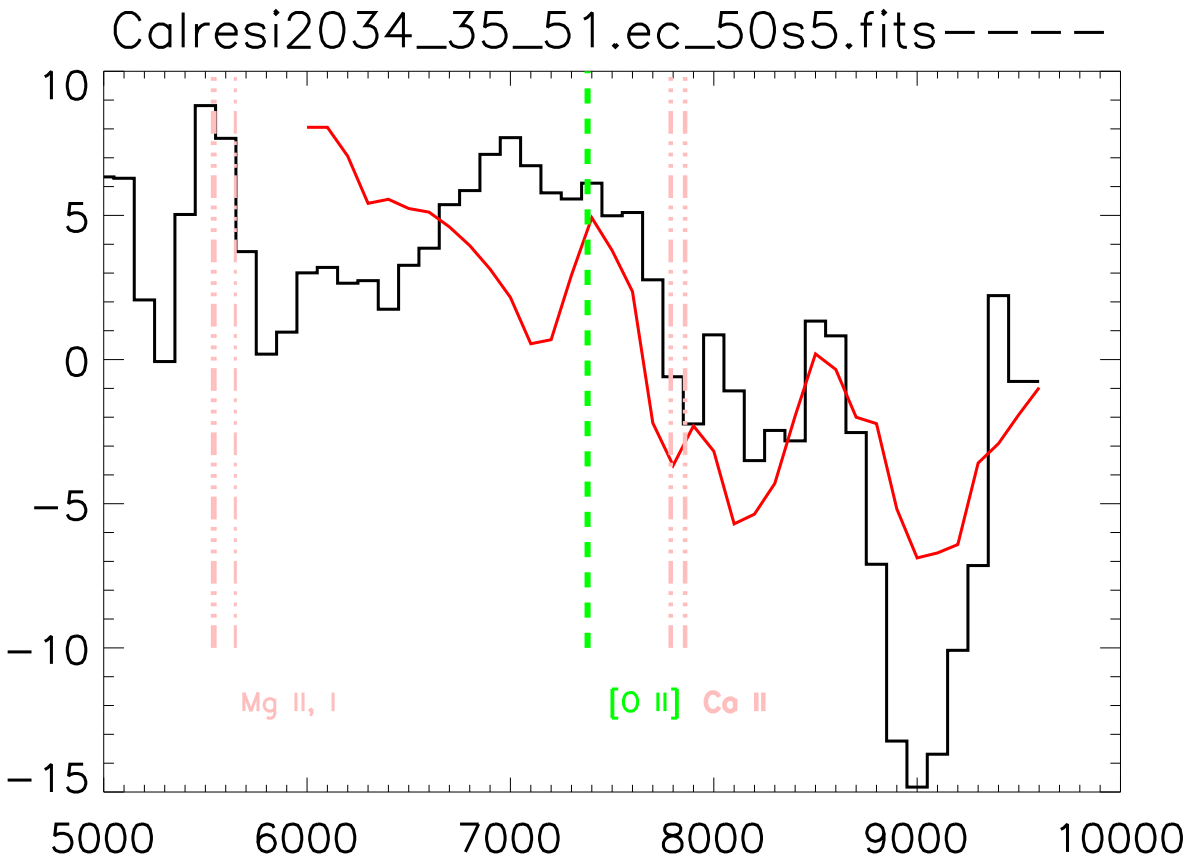
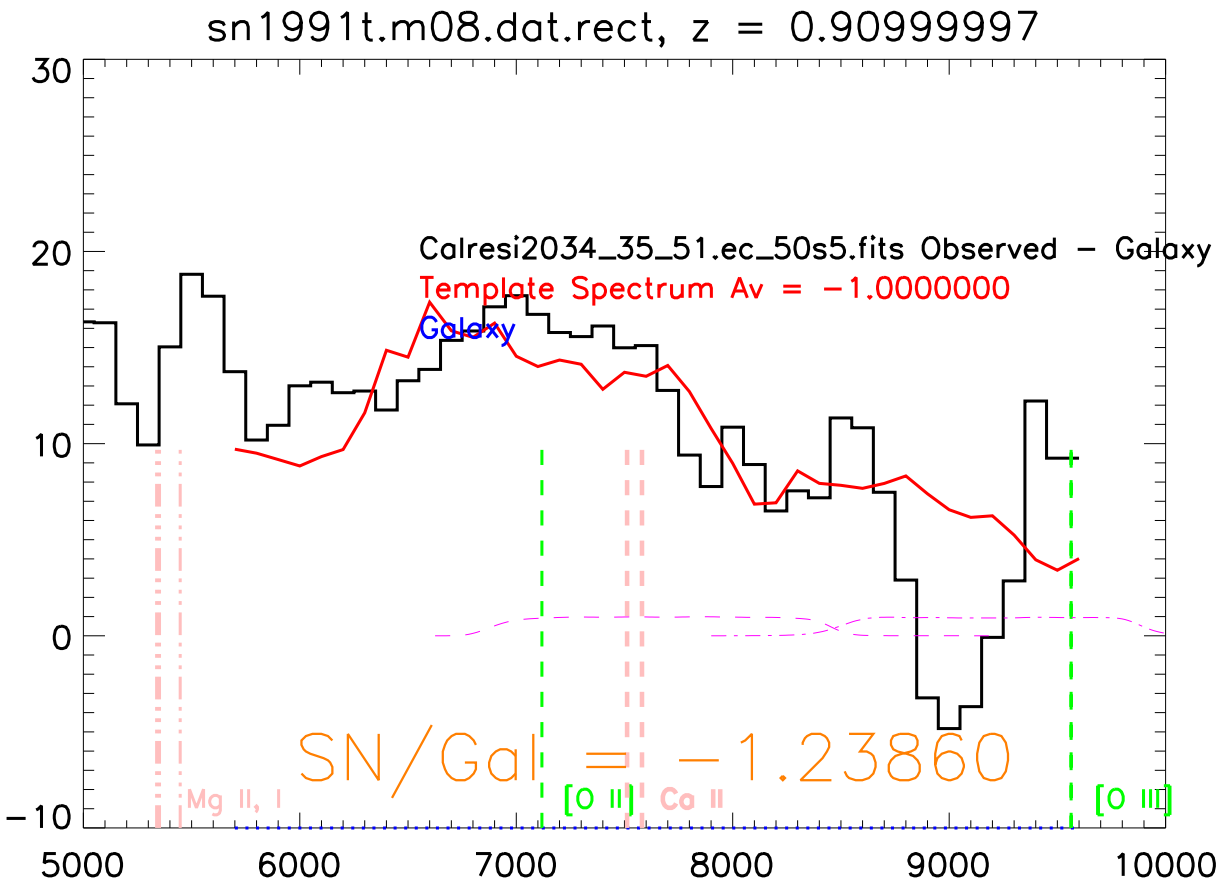

1.7
1.3
2.1
1.2
1.5
1.7
1.2
1.2
1.6
1.5
1.5
1.4
1.5

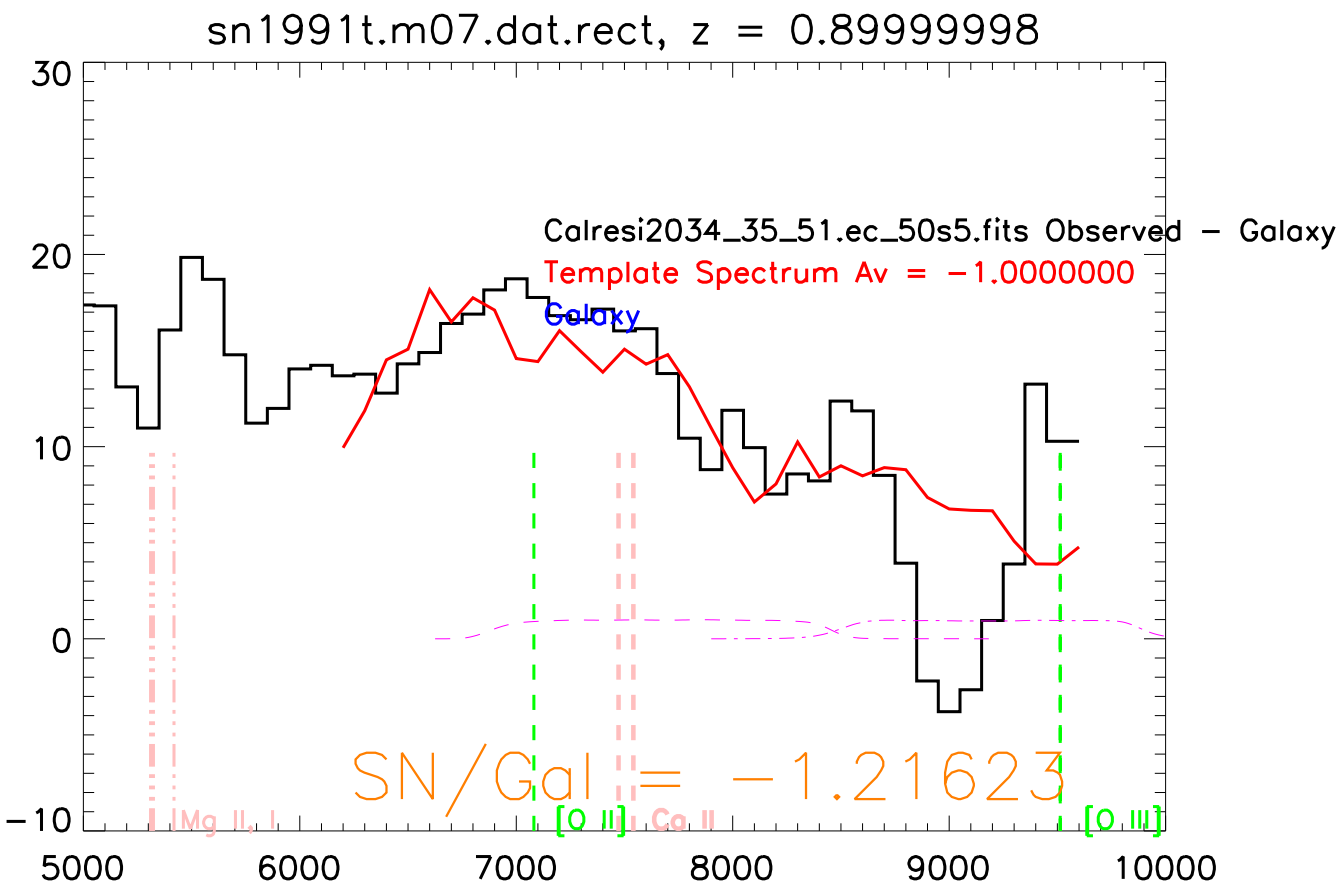


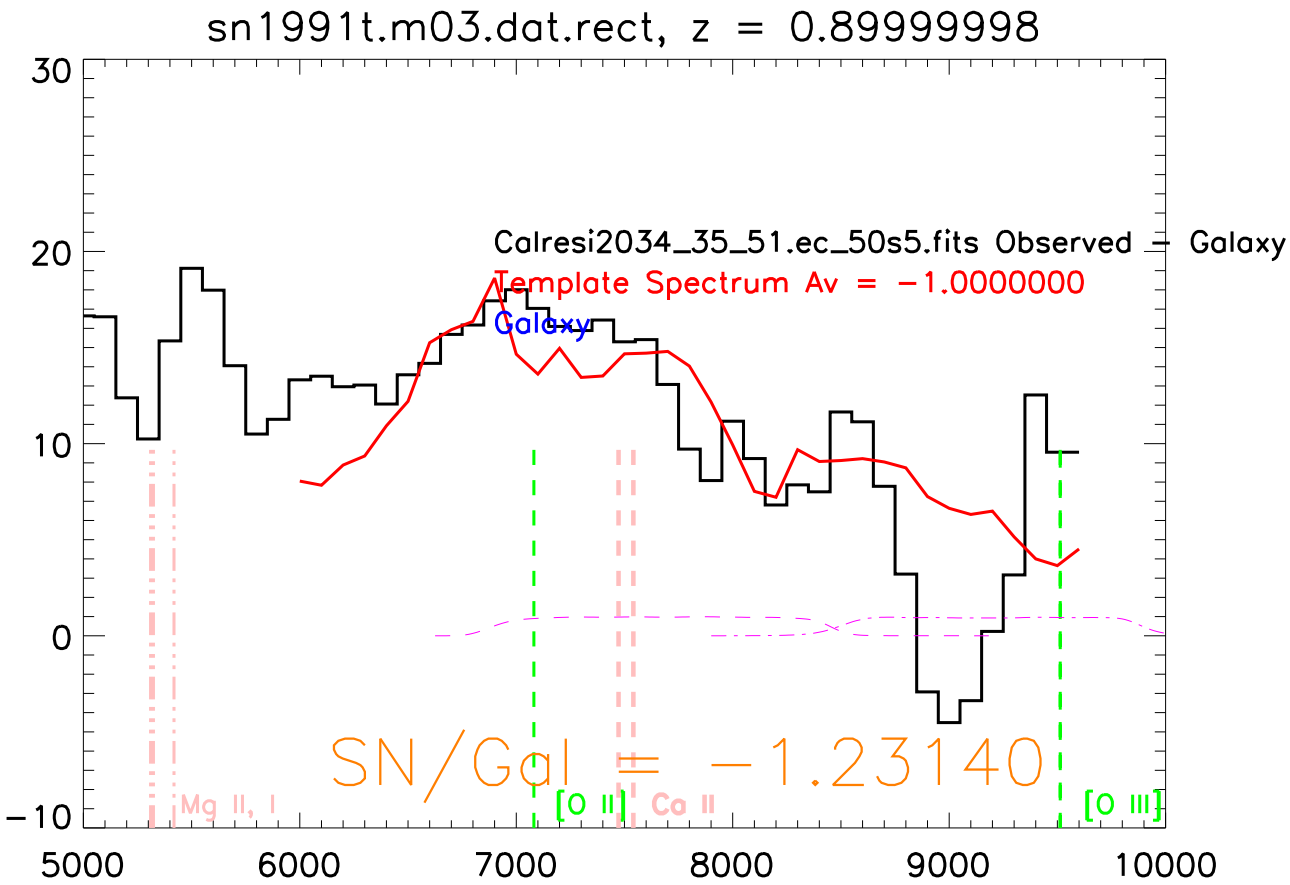
2.2
2.0
1.8
1.6
1.4
1.2
1.0
χ^2
40
20
0
−20
Days
0.5
1.0
1.5
2.0
Δm15

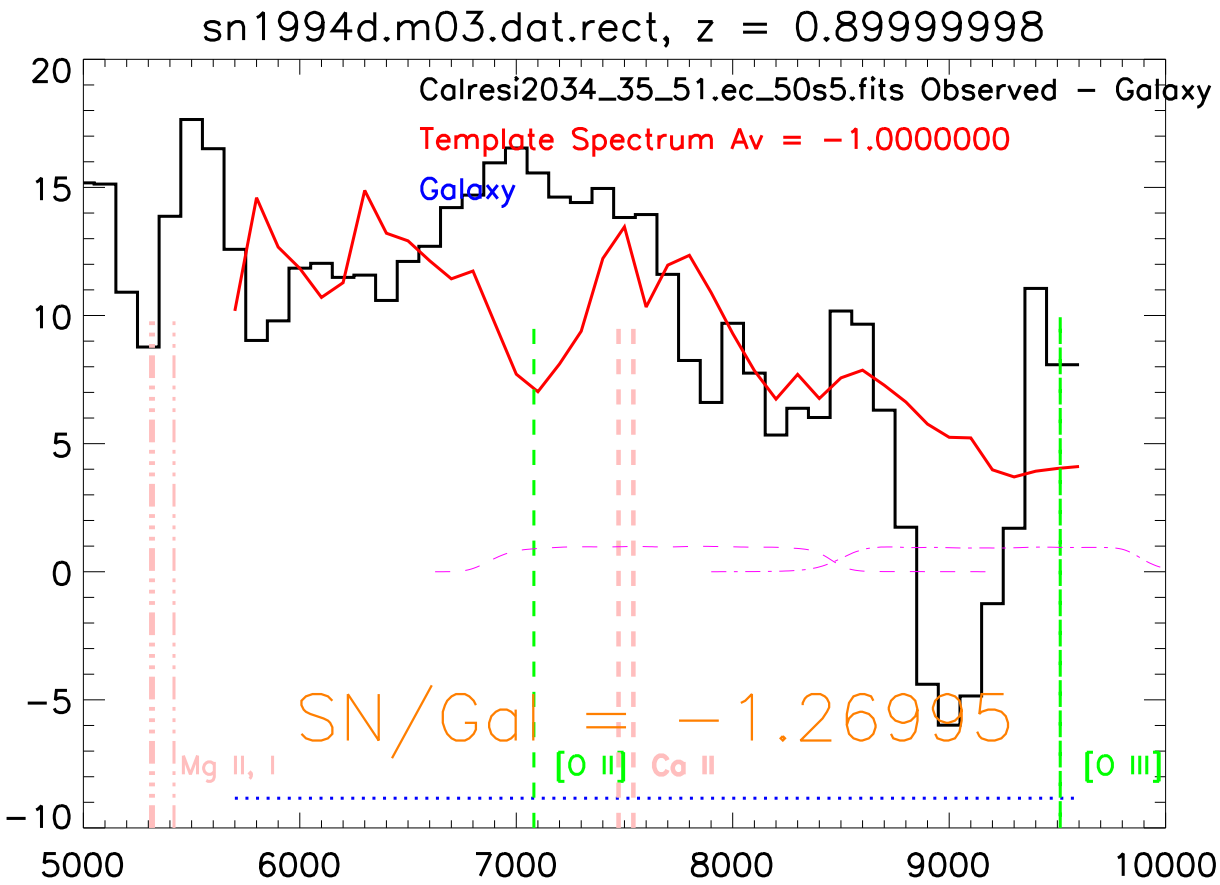

Calresi2034_35_51.ec_50s5.fits
sn1991t.m08.dat.rect
sn1991t.m07.dat.rect
sn1999ee.m06.dat.rect
sn1991t.m03.dat.rect
sn1994d.m03.dat.rect
X^2
z
0
2
4
6
8
10
12
0.90
0.95
1.00
1.05
1.10

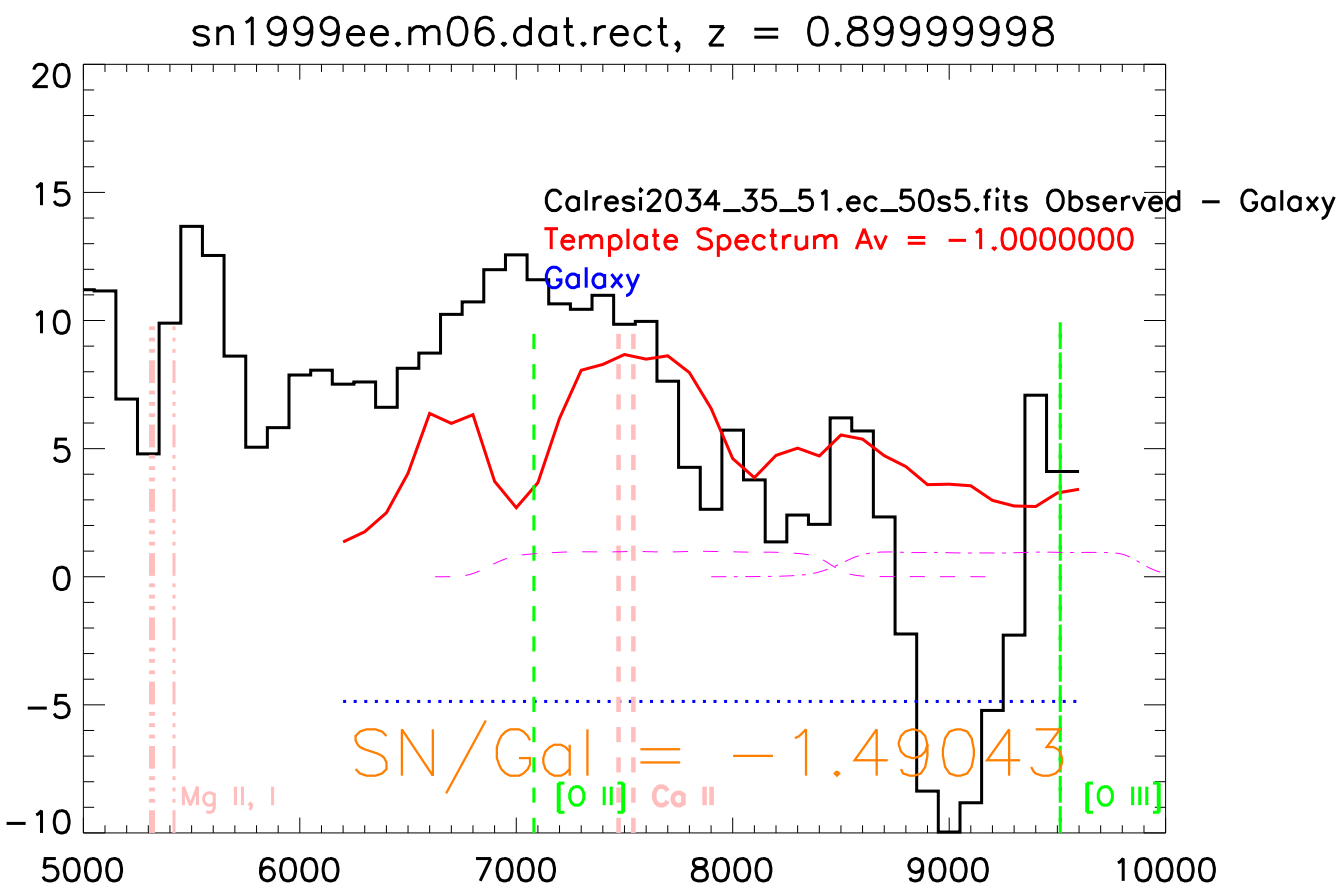

Calresi2034_35_51.ec_50s5.fits----
10
5
0
−5
−10
−15
5000
6000
7000
8000
9000
10000
Mg II, I
[O II]
Ca II


sn1991t.m08.dat.rect, z = 0.90999997
Calresi2034_35_51.ec_50s5.fits Observed − Galaxy
Template Spectrum Av = −1.0000000
Galaxy
SN/Gal = −1.23860
Mg II, I
[O II]
Ca II
[O III]
30
20
10
0
−10
5000
6000
7000
8000
9000
10000


sn1991t.m07.dat.rect, z = 0.89999998
Calresi2034_35_51.ec_50s5.fits Observed − Galaxy
Template Spectrum Av = −1.0000000
Galaxy
SN/Gal = −1.21623
Mg II, I
[O II]
Ca II
[O III]
30
20
10
0
−10
5000
6000
7000
8000
9000
10000


sn1991t.m03.dat.rect, z = 0.89999998
Calresi2034_35_51.ec_50s5.fits Observed
Galaxy
Template Spectrum Av = −1.0000000
Galaxy
SN/Gal = −1.23140
Mg II, I
[O II]
Ca II
[O III]
30
20
10
0
−10
5000
6000
7000
8000
9000
10000


sn1994d.m03.dat.rect, z = 0.89999998
Calresi2034_35_51.ec_50s5.fits Observed − Galaxy
Template Spectrum Av = −1.0000000
Galaxy
SN/Gal = −1.26995
Mg II, I
[O II]
Ca II
[O III]
20
15
10
5
0
−5
−10
5000
6000
7000
8000
9000
10000


sn1999ee.m06.dat.rect, z = 0.89999998
Calresi2034_35_51.ec_50s5.fits Observed − Galaxy
Template Spectrum Av = −1.0000000
Galaxy
SN/Gal = −1.49043
Mg II, I
[O II]
Ca II
[O III]
20
15
10
5
0
−5
−10
5000
6000
7000
8000
9000
10000