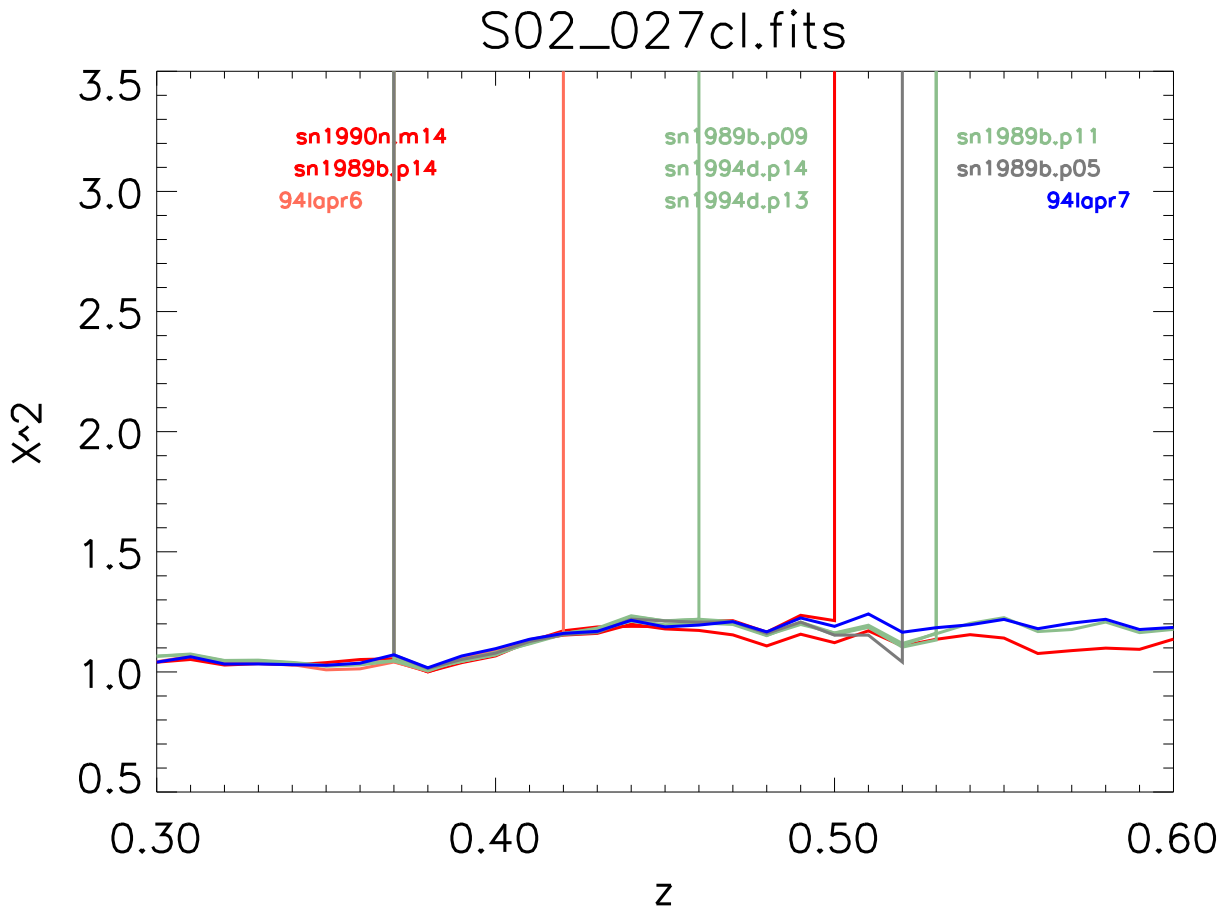
S02_027cl.fits
sn1990n.m14
sn1989b.p14
94lapr6
sn1989b.p09
sn1994d.p14
sn1994d.p13
sn1989b.p11
sn1989b.p05
94lapr7
X^2
z
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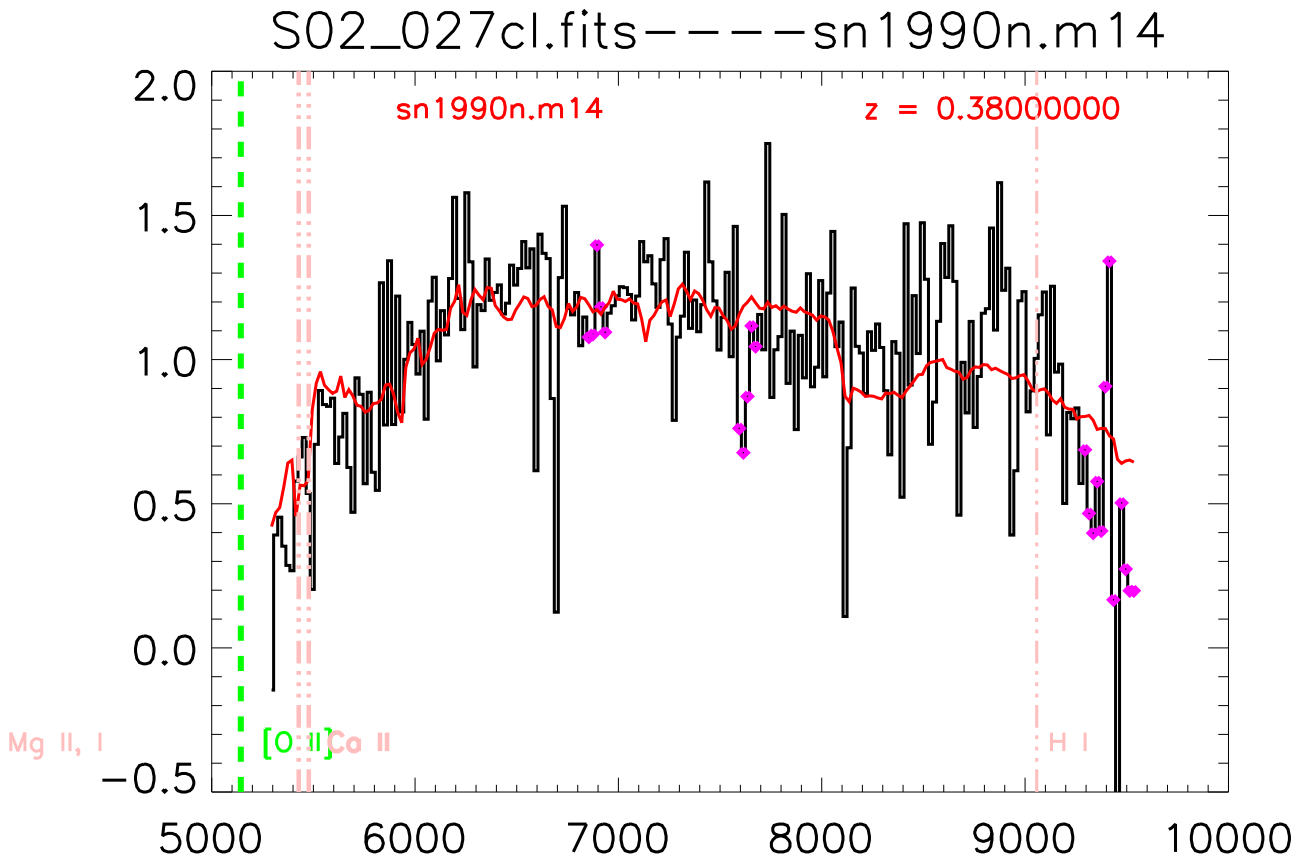
3.0
2.5
2.0
1.5
1.0
0.5
0.30
0.40
0.50
0.60


S02_027cl.fits----sn1990n.m14
sn1990n.m14
z = 0.38000000
2.0
1.5
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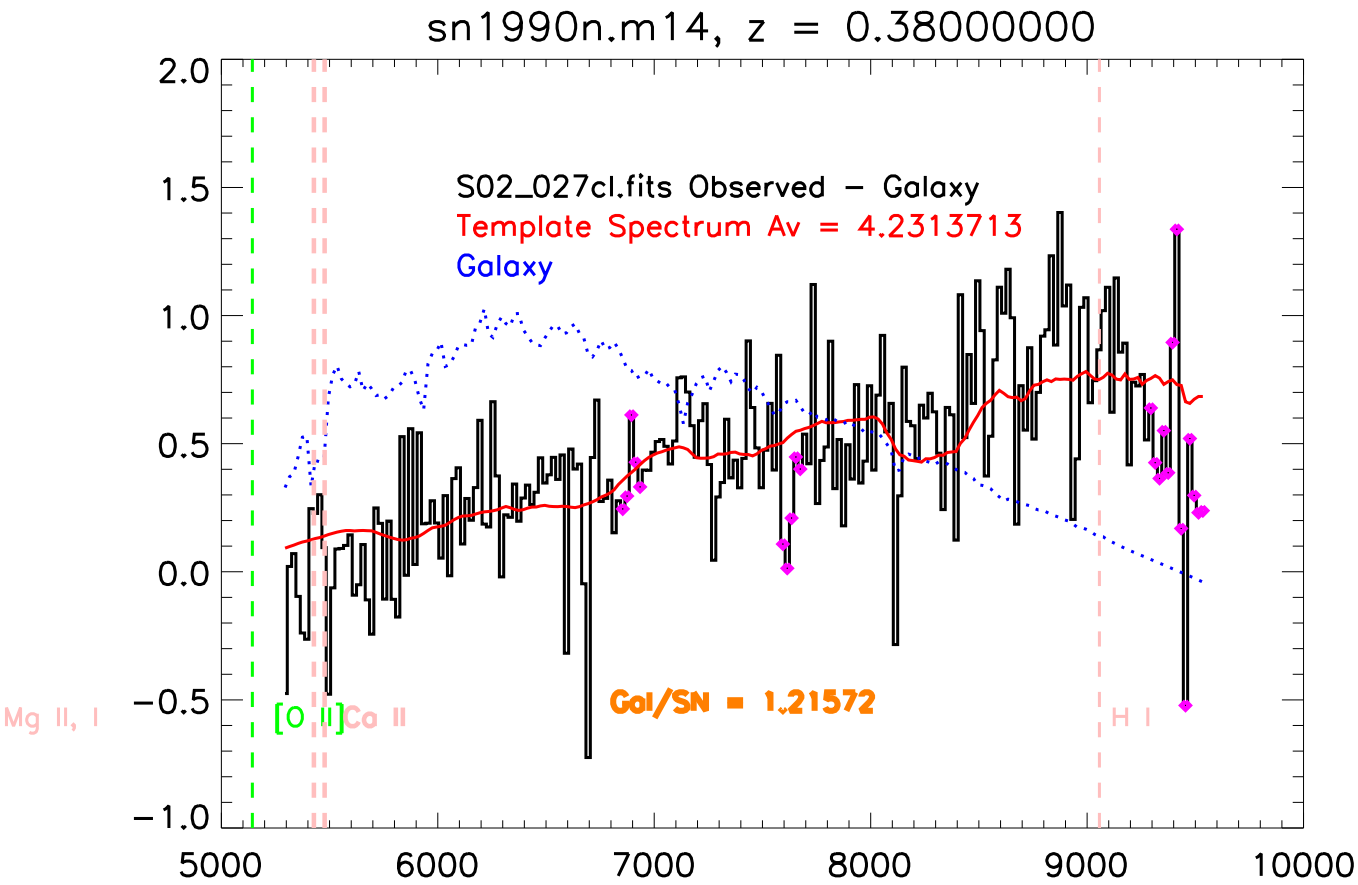
6000
7000
8000
9000
10000
Mg II, I
[O II]
Ca II
H I


sn1990n.m14, z = 0.38000000
S02_027cl.fits Observed − Galaxy
Template Spectrum Av = 4.2313713
Galaxy
GoI/SN = 1.21572
Mg II, I
[O II]
Ca II
H I
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1.0
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6000
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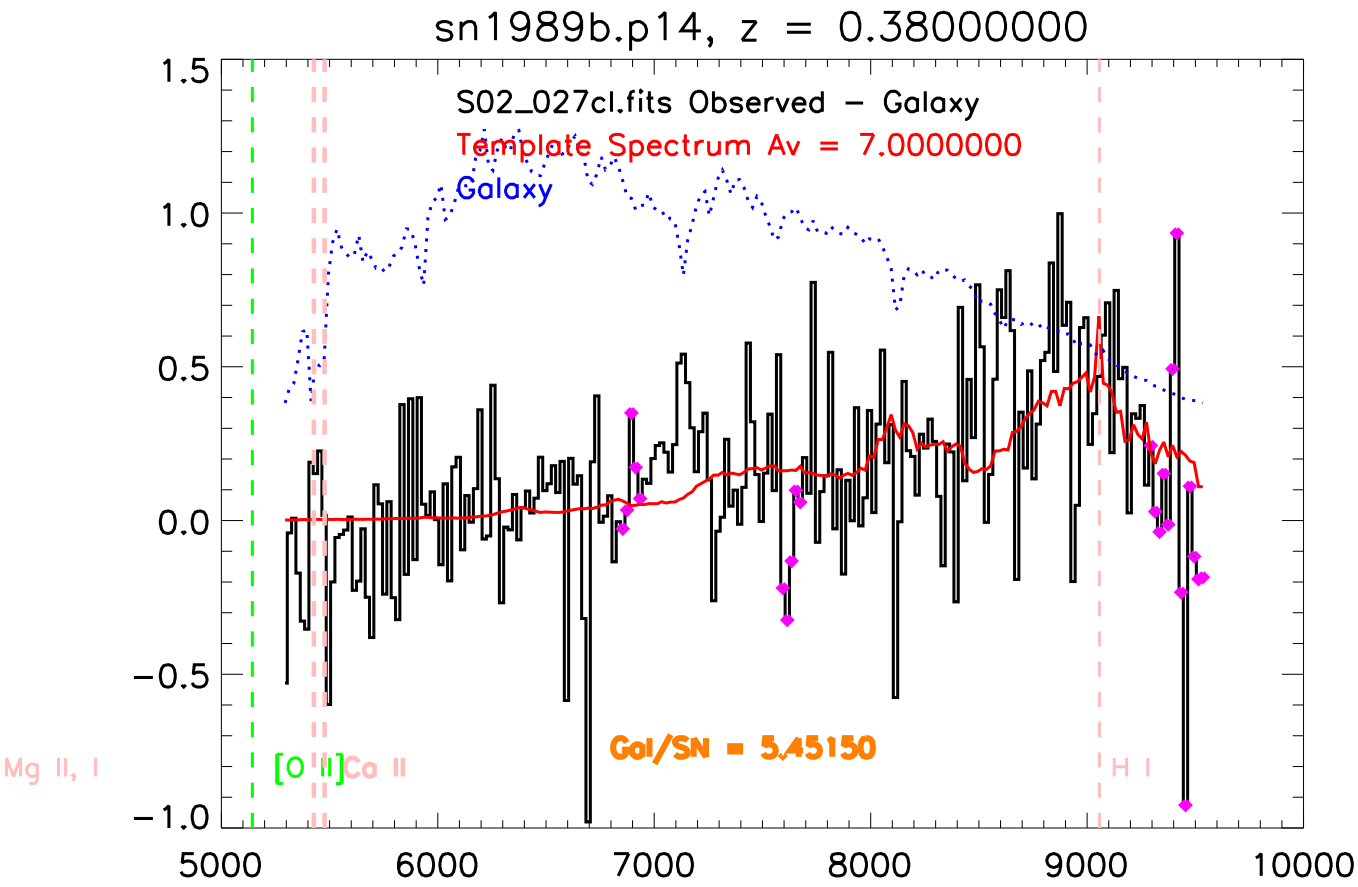
8000
9000
10000


sn1989b.p14, z = 0.38000000
S02_027cl.fits Observed − Galaxy
Template Spectrum Av = 7.0000000
Galaxy
Gal/SN = 5.45150
Mg II, I
[O II]
Ca II
H I
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−1.0
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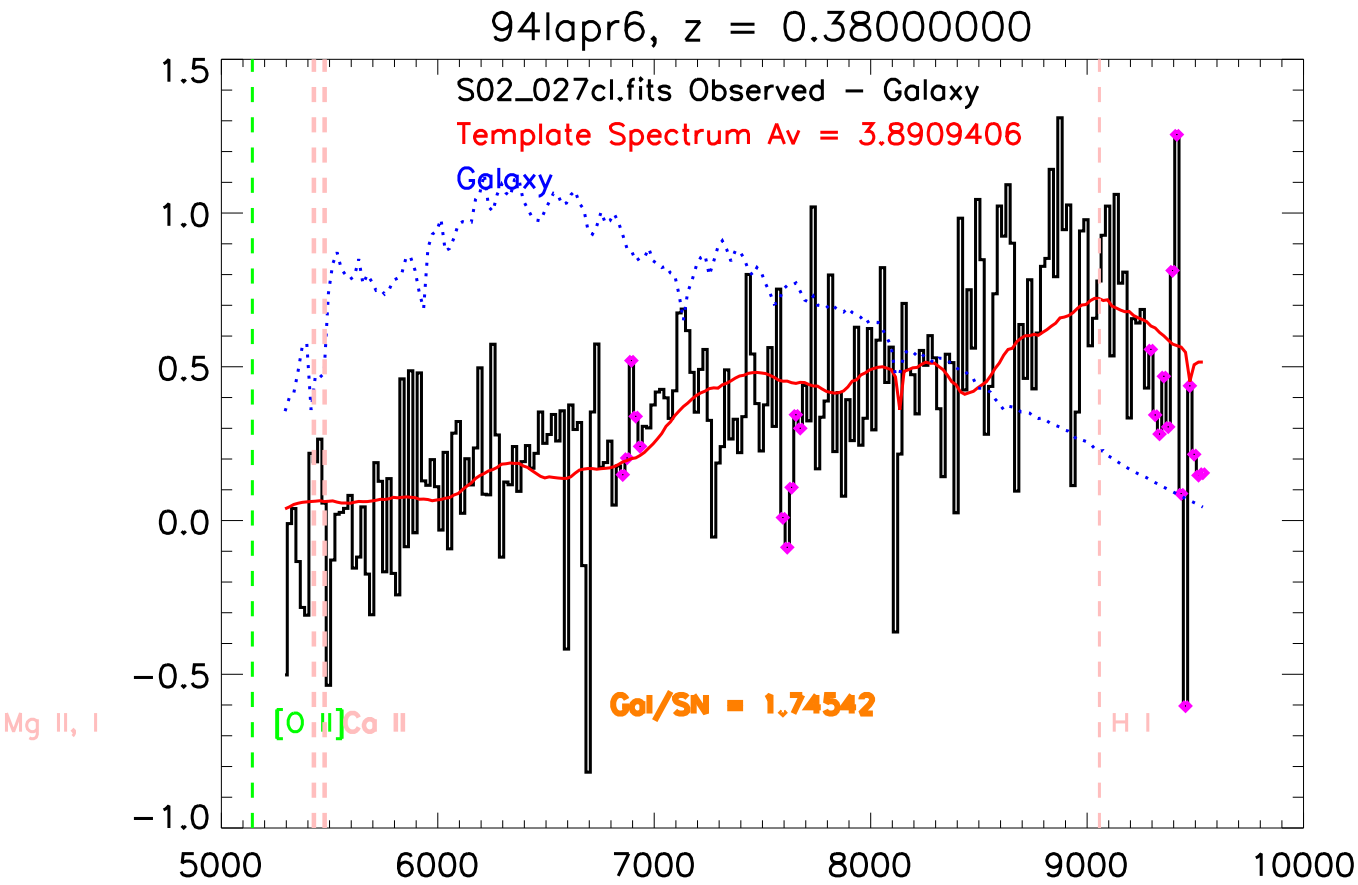
8000
9000
10000


94lapr6, z = 0.38000000
S02_027cl.fits Observed − Galaxy
Template Spectrum Av = 3.8909406
Galaxy
GoI/SN = 1.74542
Mg II, I
[O II]
Ca II
H I
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−1.0
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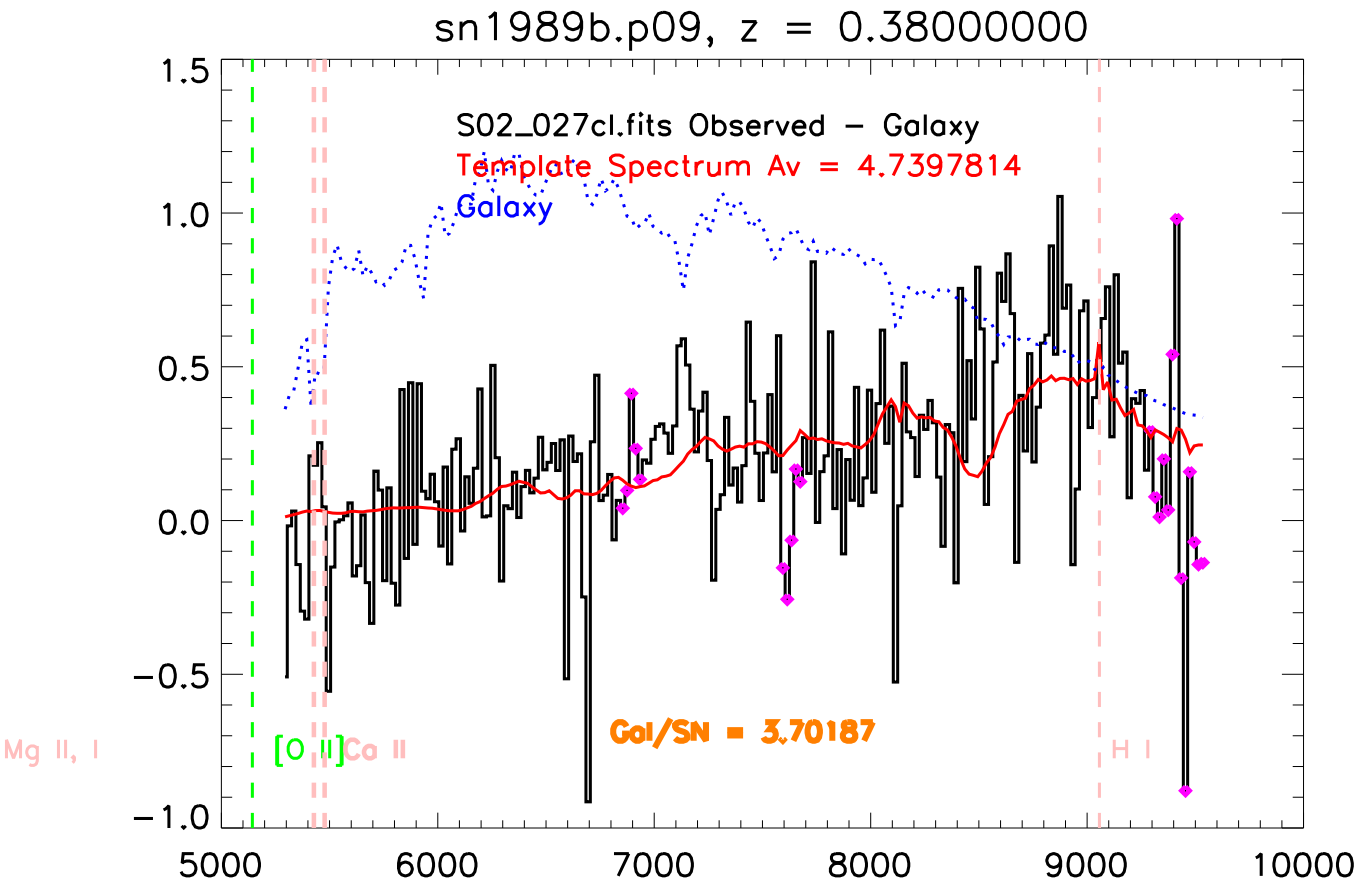
8000
9000
10000


sn1989b.p09, z = 0.38000000
S02_027cl.fits Observed − Galaxy
Template Spectrum Av = 4.7397814
Galaxy
GoI/SN = 3.70187
Mg II, I
[O II]
Ca II
H I
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1.0
0.5
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−1.0
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6000
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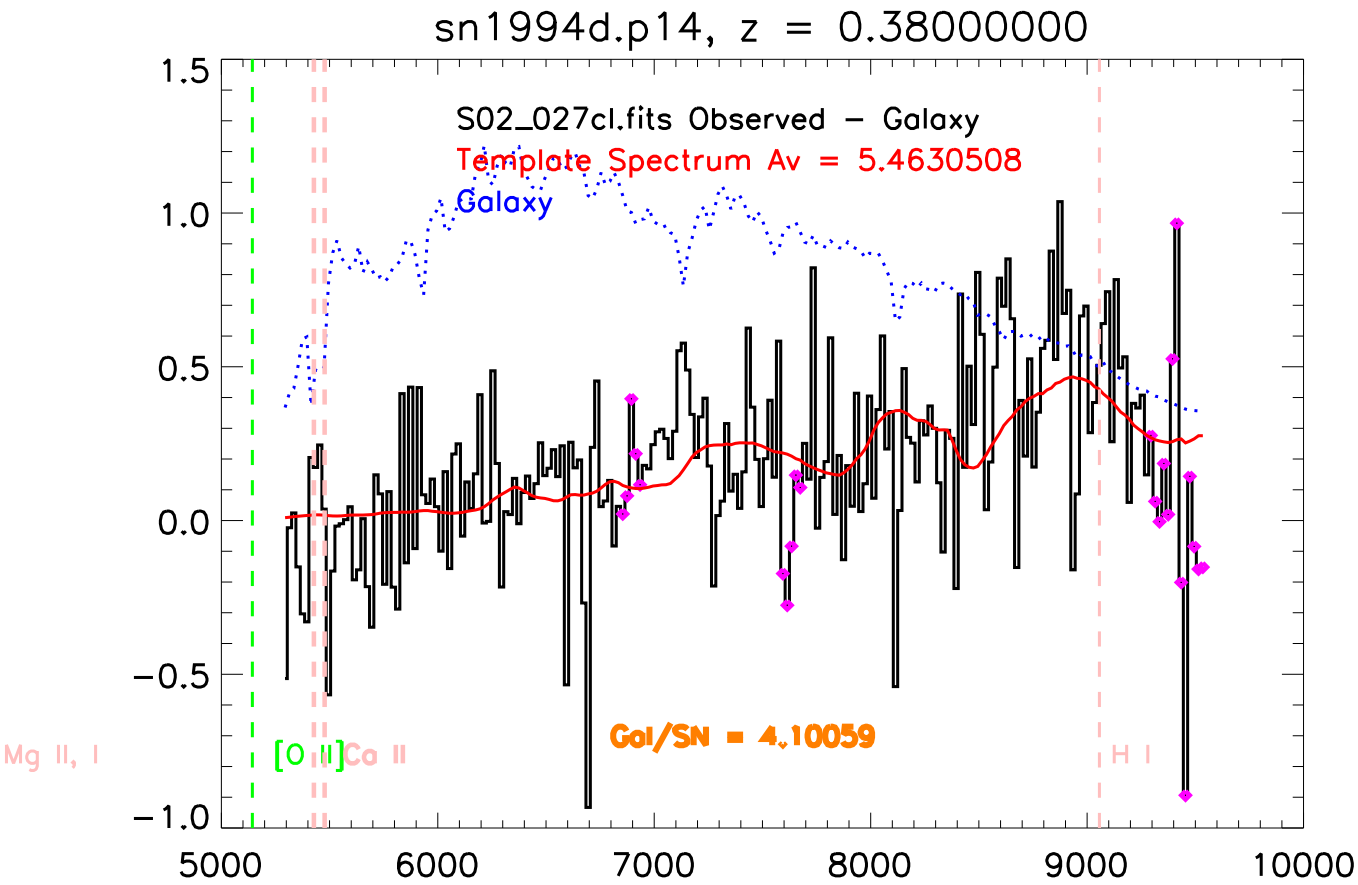
8000
9000
10000


sn1994d.p14, z = 0.38000000
S02_027cl.fits Observed − Galaxy
Template Spectrum Av = 5.4630508
Galaxy
GoI/SN = 4.10059
Mg II, I
[O II]
Ca II
H I
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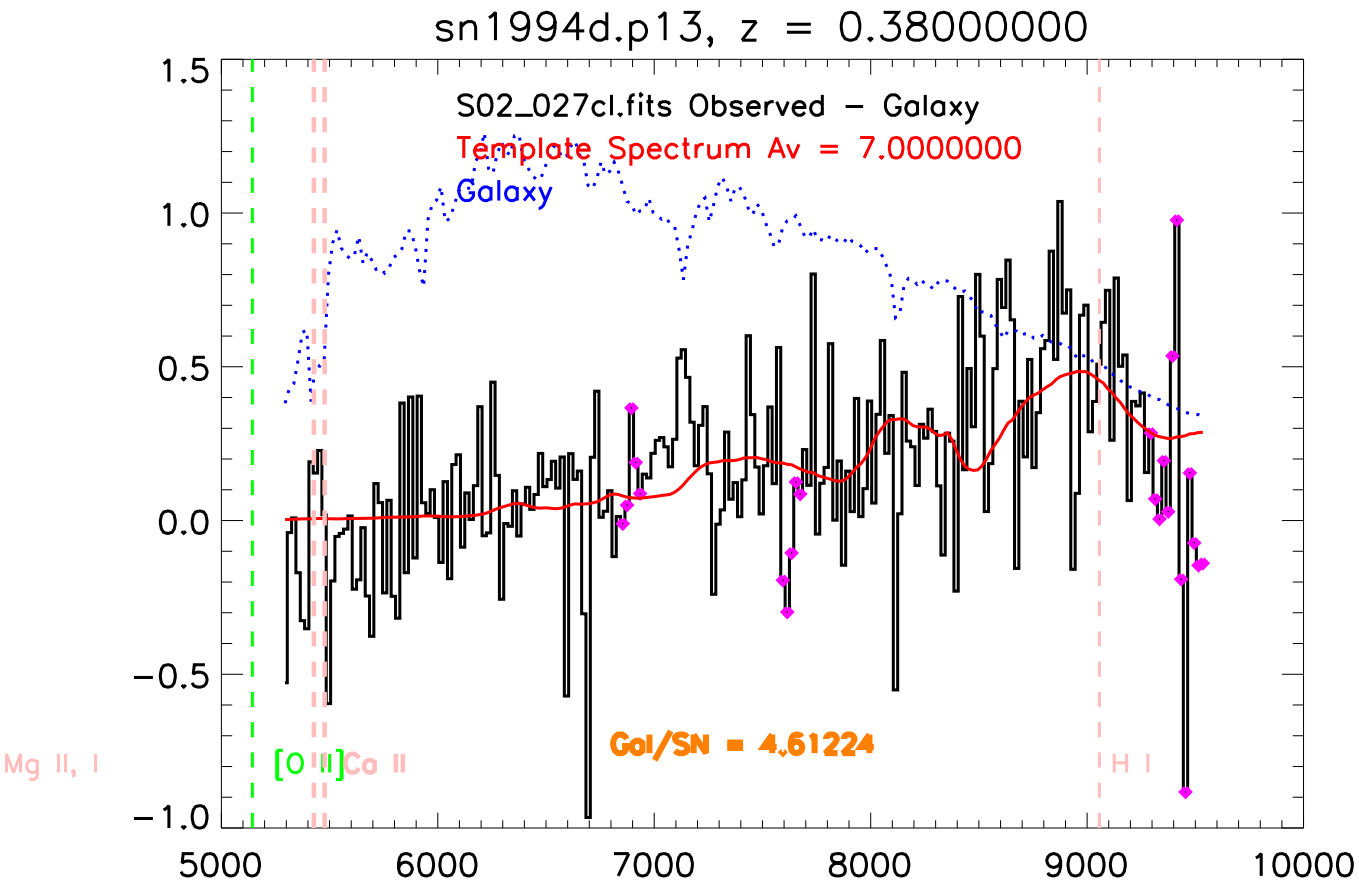
1.0
0.5
0.0
−0.5
−1.0
5000
6000
7000
8000
9000
10000


sn1994d.p13, z = 0.38000000
S02_027cl.fits Observed − Galaxy
Template Spectrum Av = 7.0000000
Galaxy
GoI/SN = 4.61224
Mg II, I
[O II]
Ca II
H I
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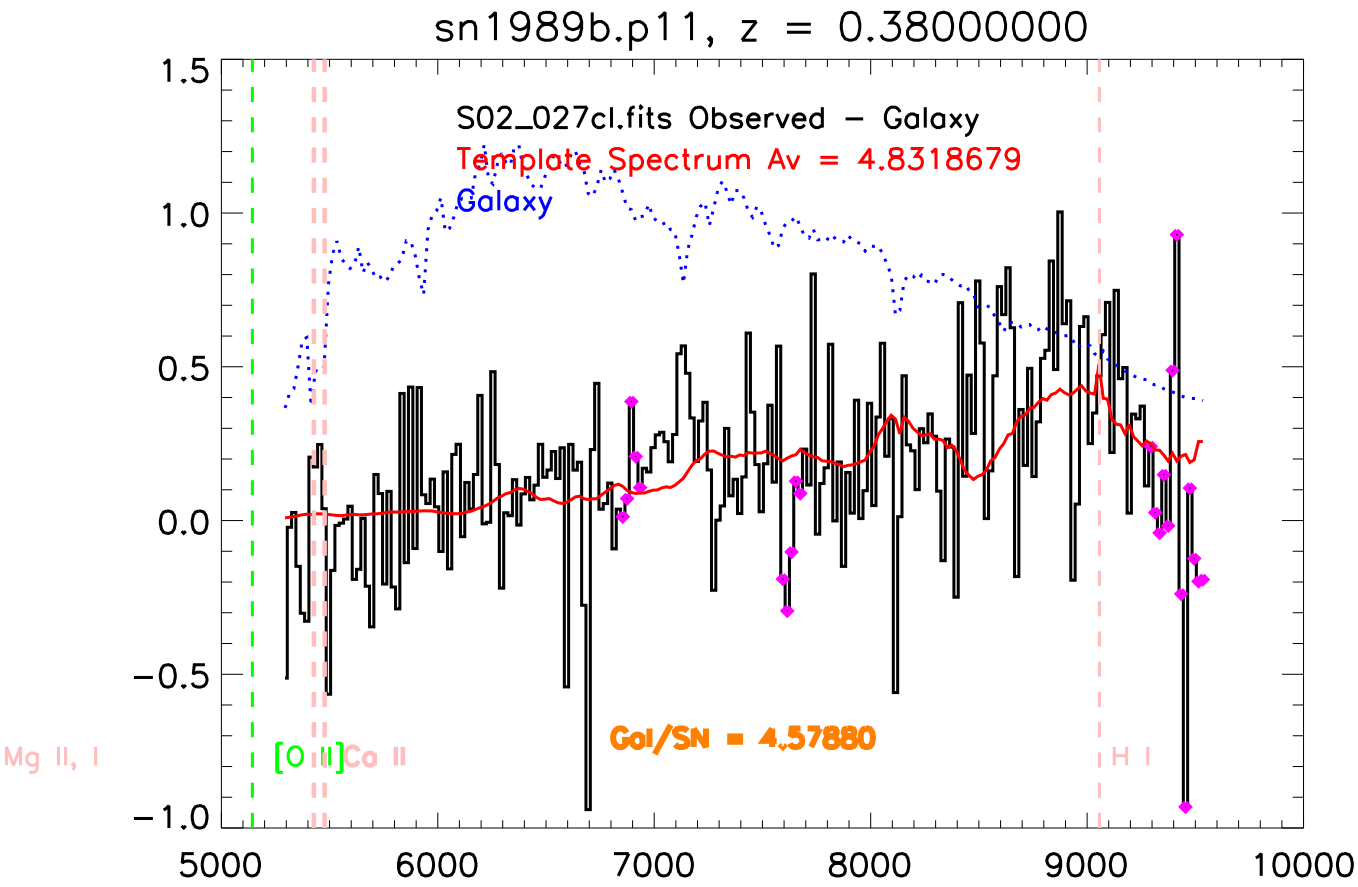
1.0
0.5
0.0
−0.5
−1.0
5000
6000
7000
8000
9000
10000


sn1989b.p11, z = 0.38000000
S02_027cl.fits Observed − Galaxy
Template Spectrum Av = 4.8318679
Galaxy
GoI/SN = 4.57880
Mg II, I
[O II]
Ca II
H I
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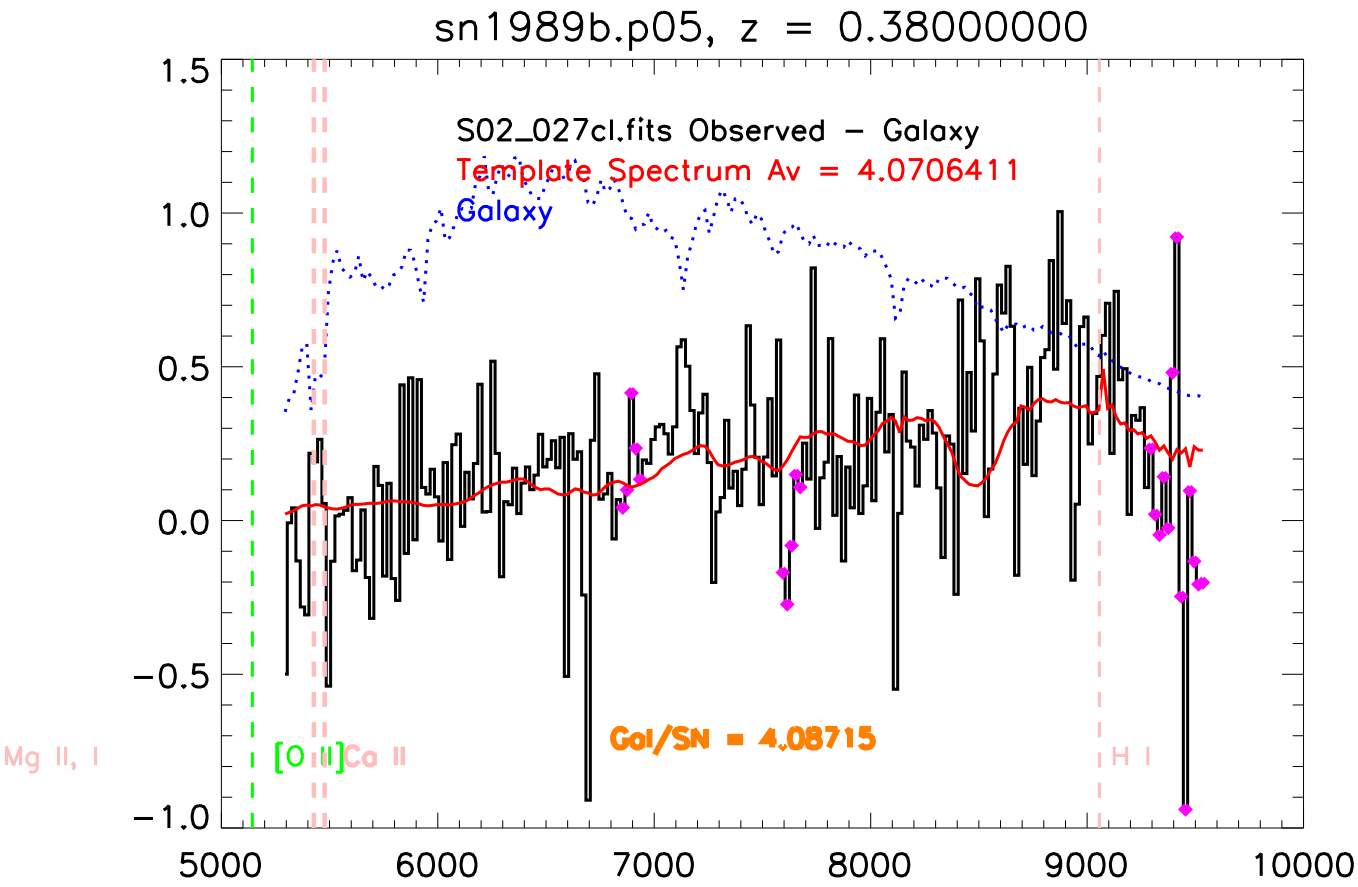
1.0
0.5
0.0
−0.5
−1.0
5000
6000
7000
8000
9000
10000


sn1989b.p05, z = 0.38000000
S02_027cl.fits Observed − Galaxy
Template Spectrum Av = 4.0706411
Galaxy
GoI/SN = 4.08715
Mg II, I
[O II]
Ca II
H I
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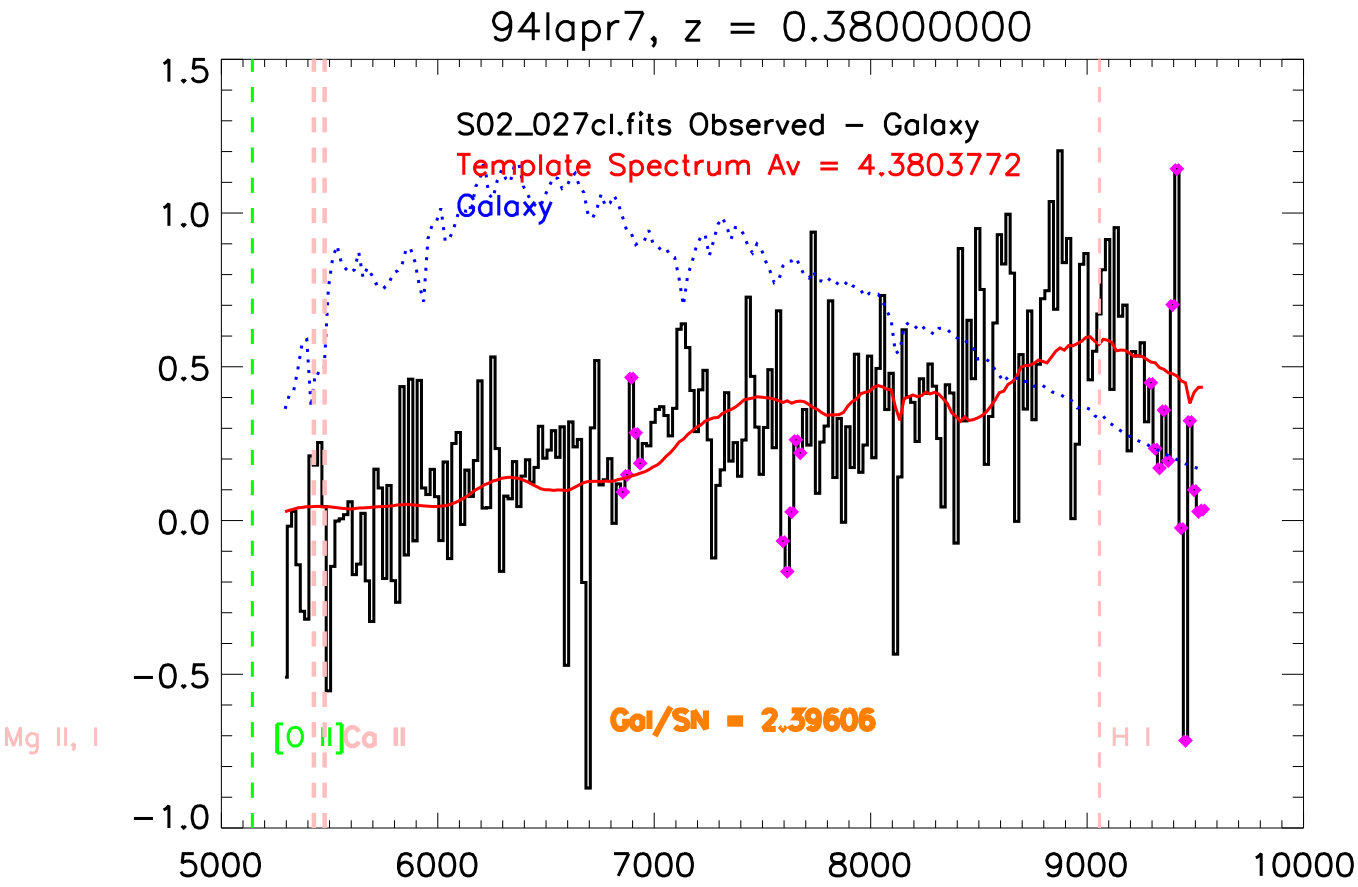
1.0
0.5
0.0
−0.5
−1.0
5000
6000
7000
8000
9000
10000


94lapr7, z = 0.38000000
S02_027cl.fits Observed − Galaxy
Template Spectrum Av = 4.3803772
Galaxy
Gal/SN = 2.39606
Mg II, I
[O II]
Ca II
H I
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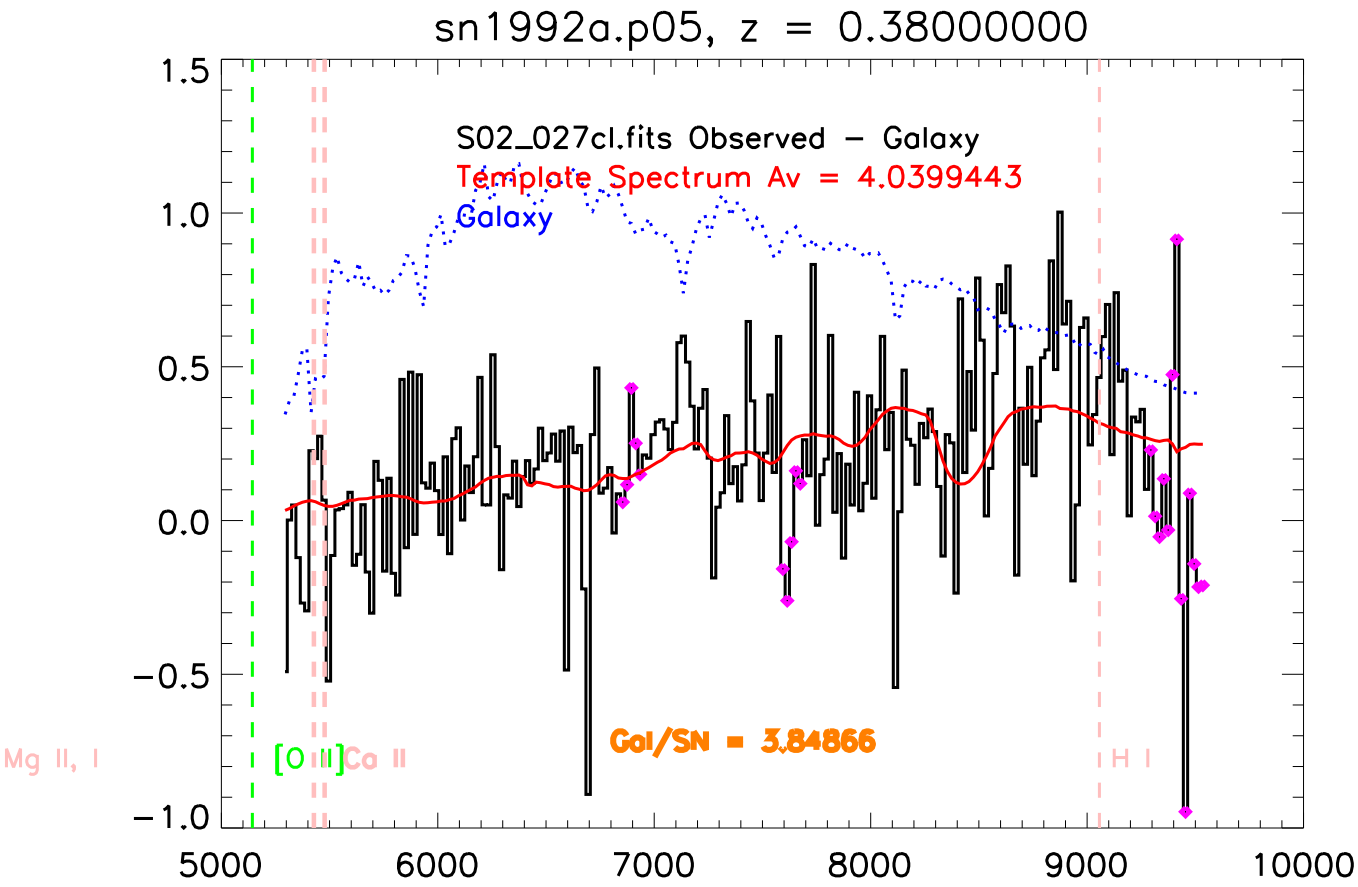
1.0
0.5
0.0
−0.5
−1.0
5000
6000
7000
8000
9000
10000


sn1992a.p05, z = 0.38000000
S02_027cl.fits Observed − Galaxy
Template Spectrum Av = 4.0399443
Galaxy
GoI/SN = 3.84866
Mg II, I
[O II]
Ca II
H I
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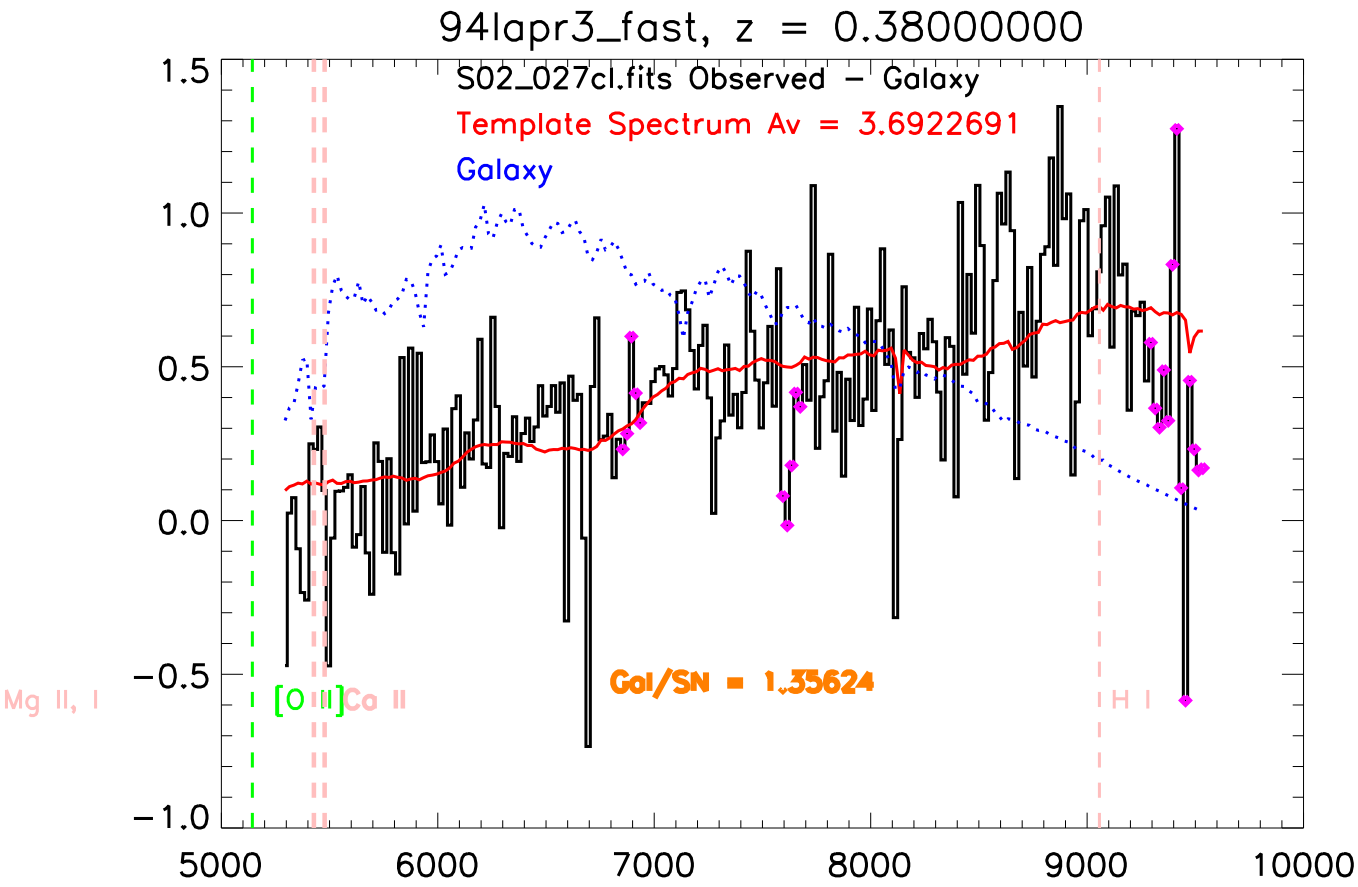
1.0
0.5
0.0
−0.5
−1.0
5000
6000
7000
8000
9000
10000


94lapr3_fast, z = 0.38000000
S02_027cl.fits Observed − Galaxy
Template Spectrum Av = 3.6922691
Galaxy
GoI/SN = 1.35624
Mg II, I
[O II]
Ca II
H I
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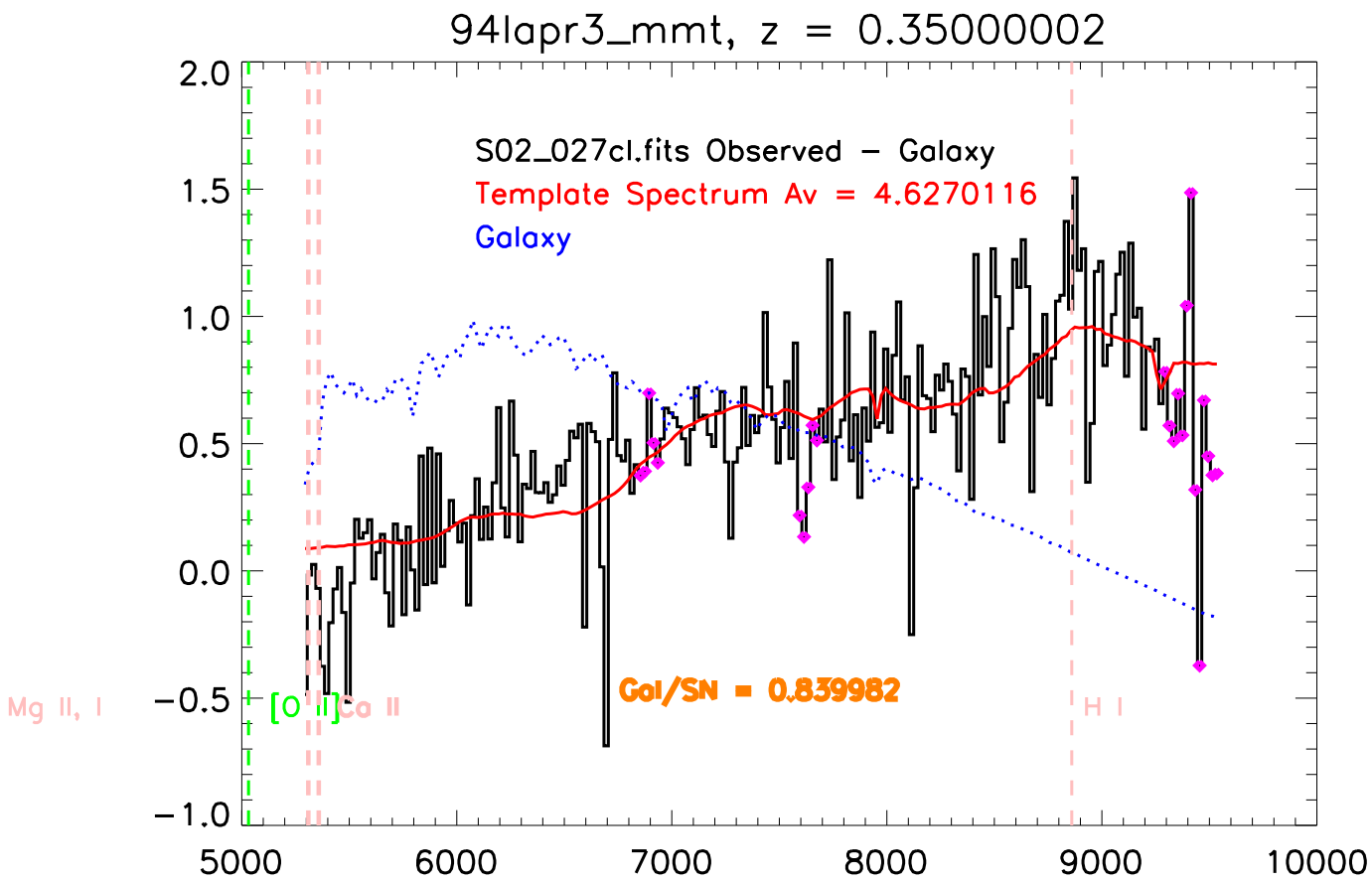
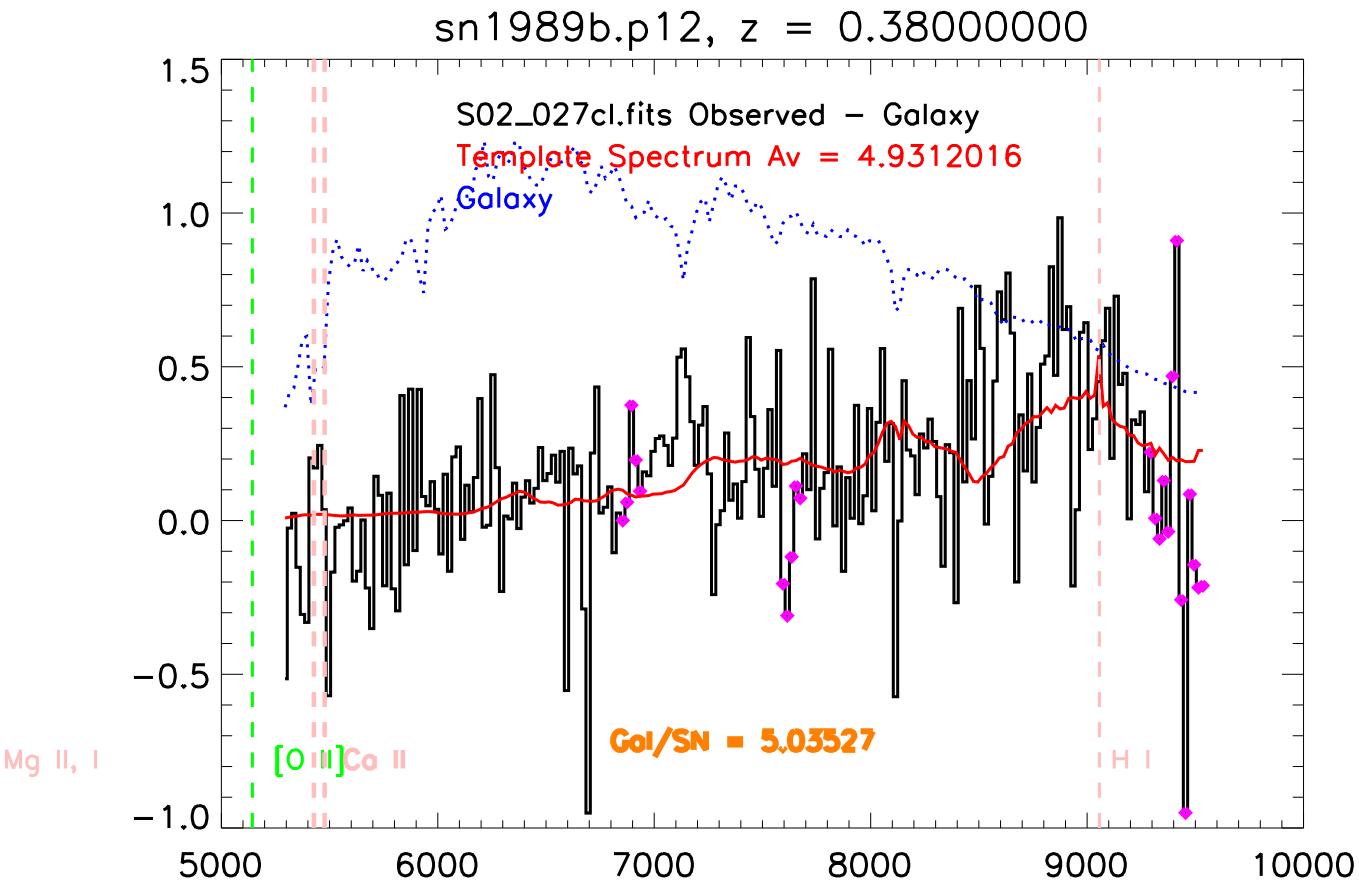
1.0
0.5
0.0
−0.5
−1.0
5000
6000
7000
8000
9000
10000


94lapr3_mmt, z = 0.35000002
S02_027cl.fits Observed − Galaxy
Template Spectrum Av = 4.6270116
Galaxy
GoI/SN = 0.839982
Mg II, I
[O II]Ca II
H I
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
5000
6000
7000
8000
9000
10000


sn1989b.p12, z = 0.38000000
S02_027cl.fits Observed − Galaxy
Template Spectrum Av = 4.9312016
Galaxy
GoI/SN = 5.03527
Mg II, I
[O II]
Ca II
H I
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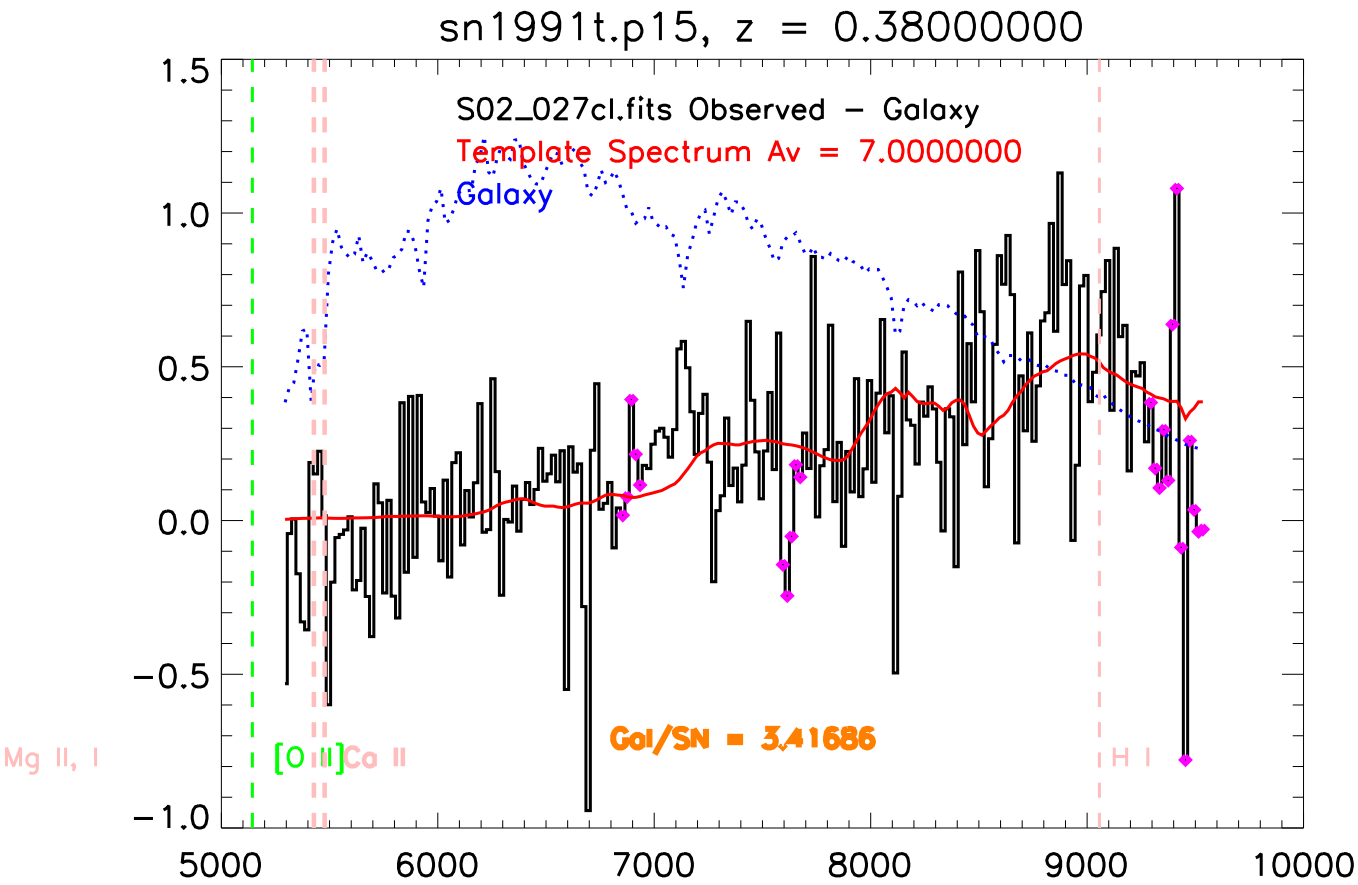
1.0
0.5
0.0
−0.5
−1.0
5000
6000
7000
8000
9000
10000


sn1991t.p15, z = 0.38000000
S02_027cl.fits Observed − Galaxy
Template Spectrum Av = 7.0000000
Galaxy
GoI/SN = 3.41686
Mg II, I
[O II]
Ca II
H I
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1.0
0.5
0.0
−0.5
−1.0
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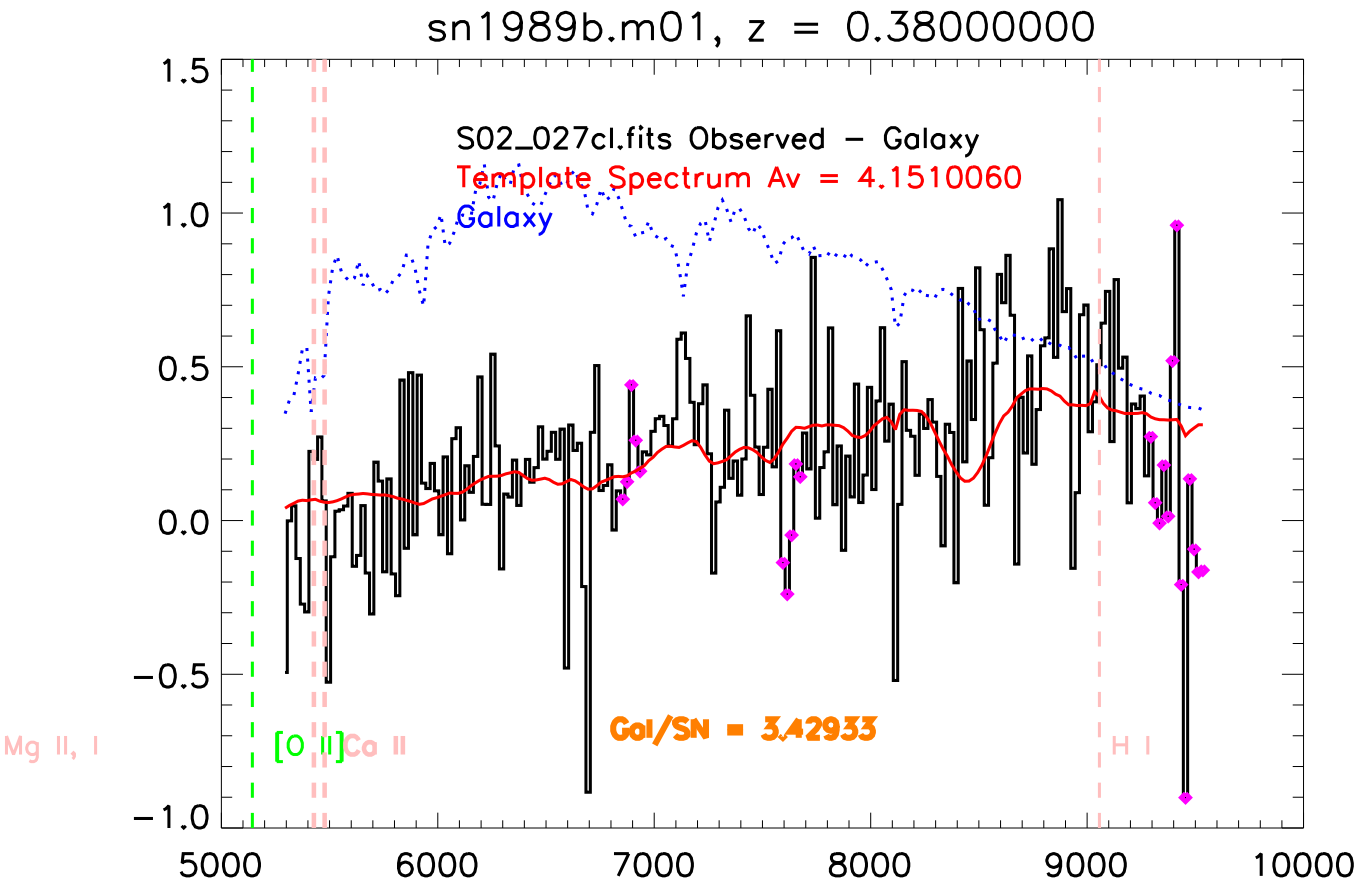
6000
7000
8000
9000
10000


sn1989b.m01, z = 0.38000000
S02_027cl.fits Observed − Galaxy
Template Spectrum Av = 4.1510060
Galaxy
Gal/SN = 3.42933
Mg II, I
[O II]
Ca II
H I
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1.0
0.5
0.0
−0.5
−1.0
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8000
9000
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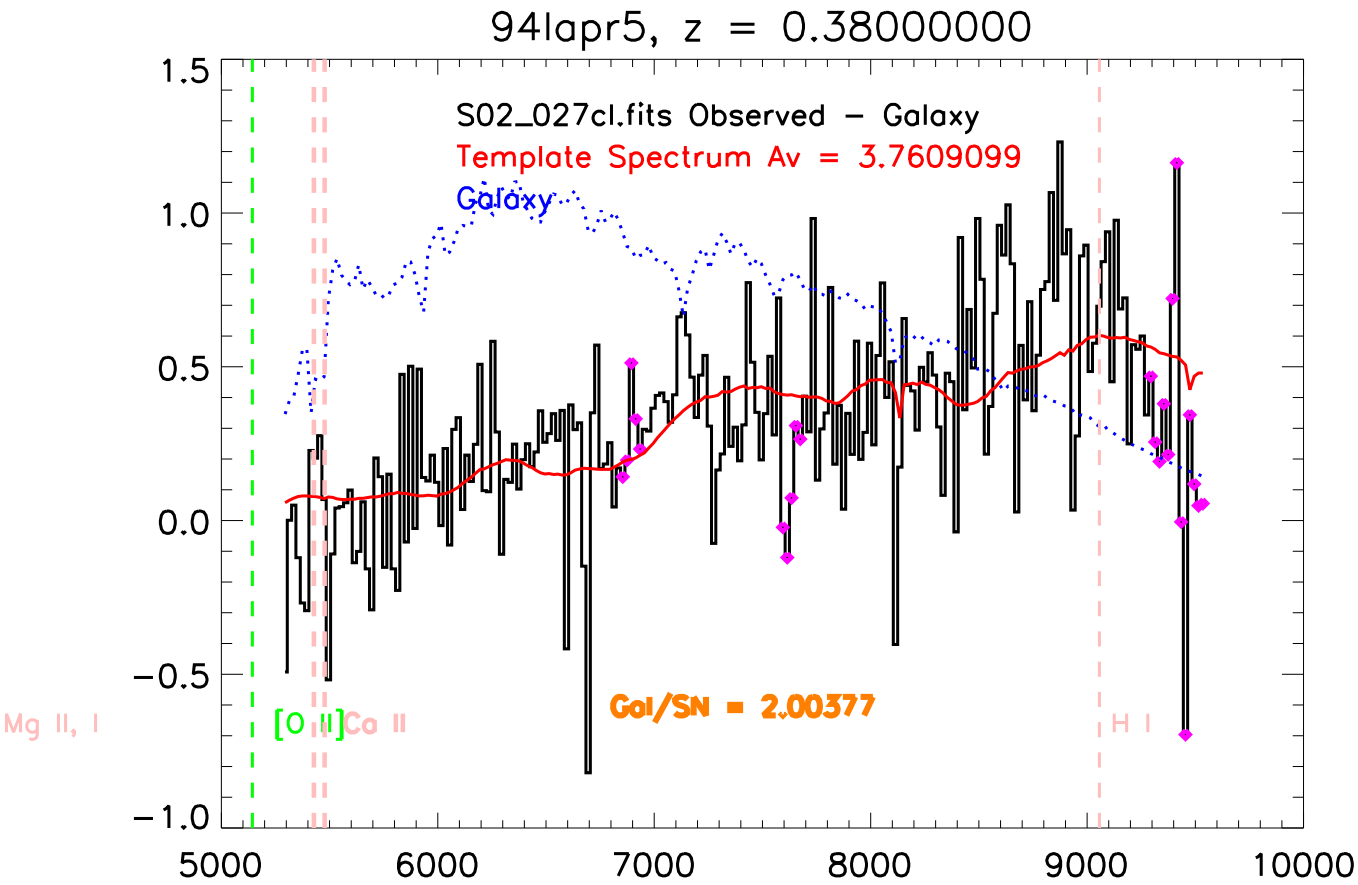
94lapr5, z = 0.38000000
S02_027cl.fits Observed − Galaxy
Template Spectrum Av = 3.7609099
Galaxy
GoI/SN = 2.00377
Mg II, I
[O II]
Ca II
H I
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1.0
0.5
0.0
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−1.0
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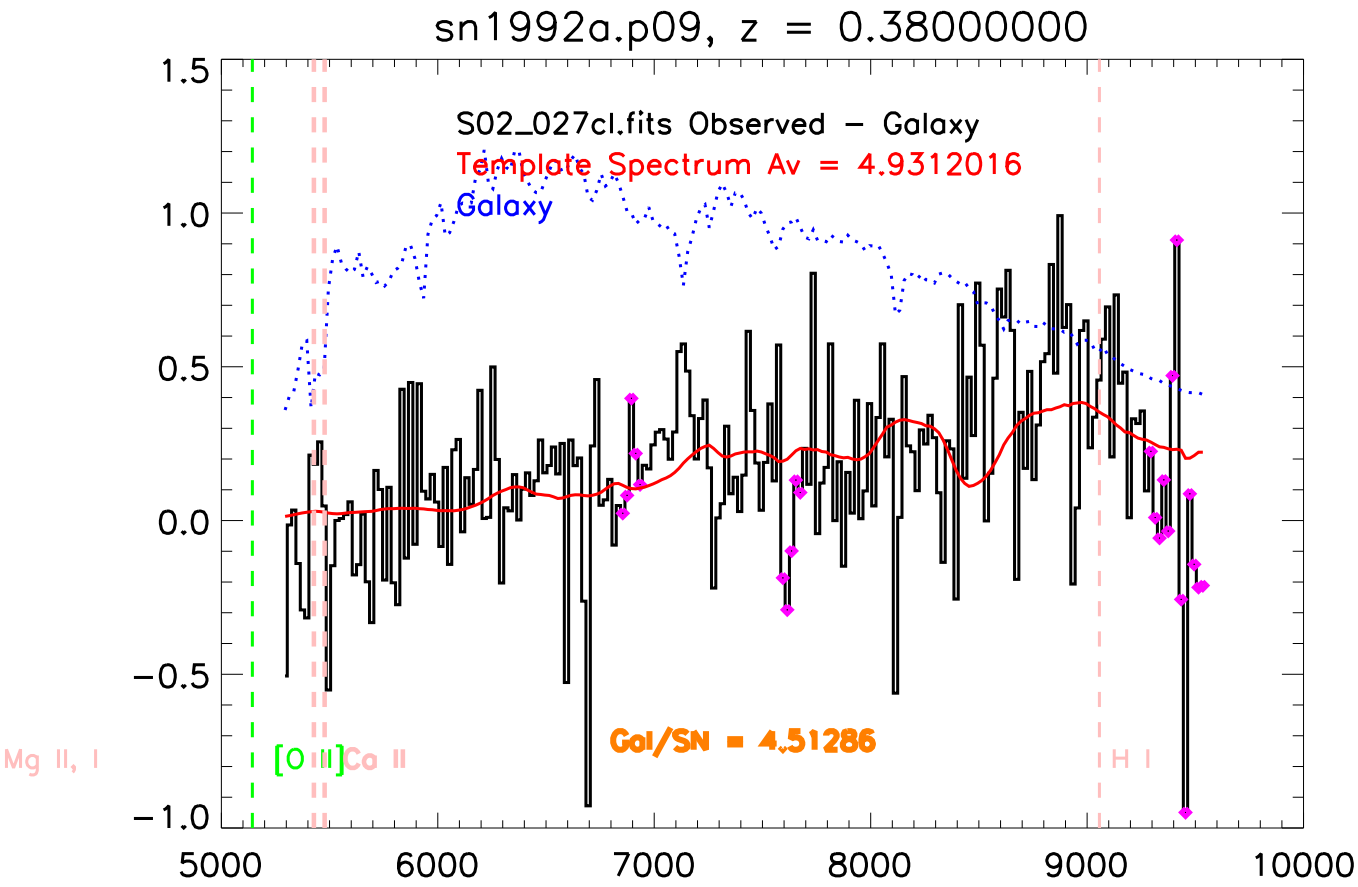
6000
7000
8000
9000
10000


sn1992a.p09, z = 0.38000000
S02_027cl.fits Observed − Galaxy
Template Spectrum Av = 4.9312016
Galaxy
GoI/SN = 4.51286
Mg II, I
[O II]
Ca II
H I
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1.0
0.5
0.0
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−1.0
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6000
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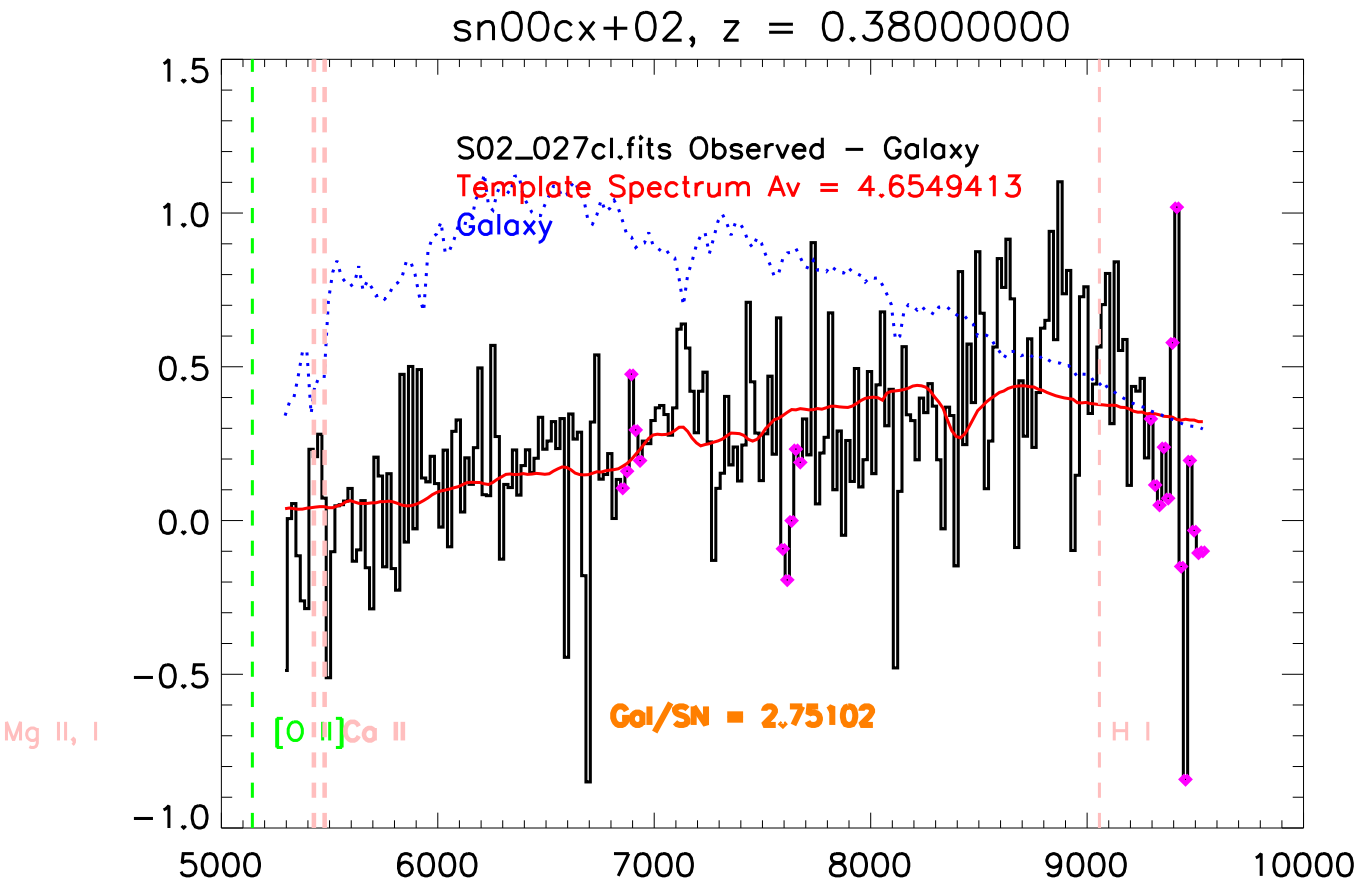
8000
9000
10000


sn00cx+02, z = 0.38000000
S02_027cl.fits Observed − Galaxy
Template Spectrum Av = 4.6549413
Galaxy
Gal/SN = 2.75102
Mg II, I
[O II]
Ca II
H I
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1.0
0.5
0.0
−0.5
−1.0
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8000
9000
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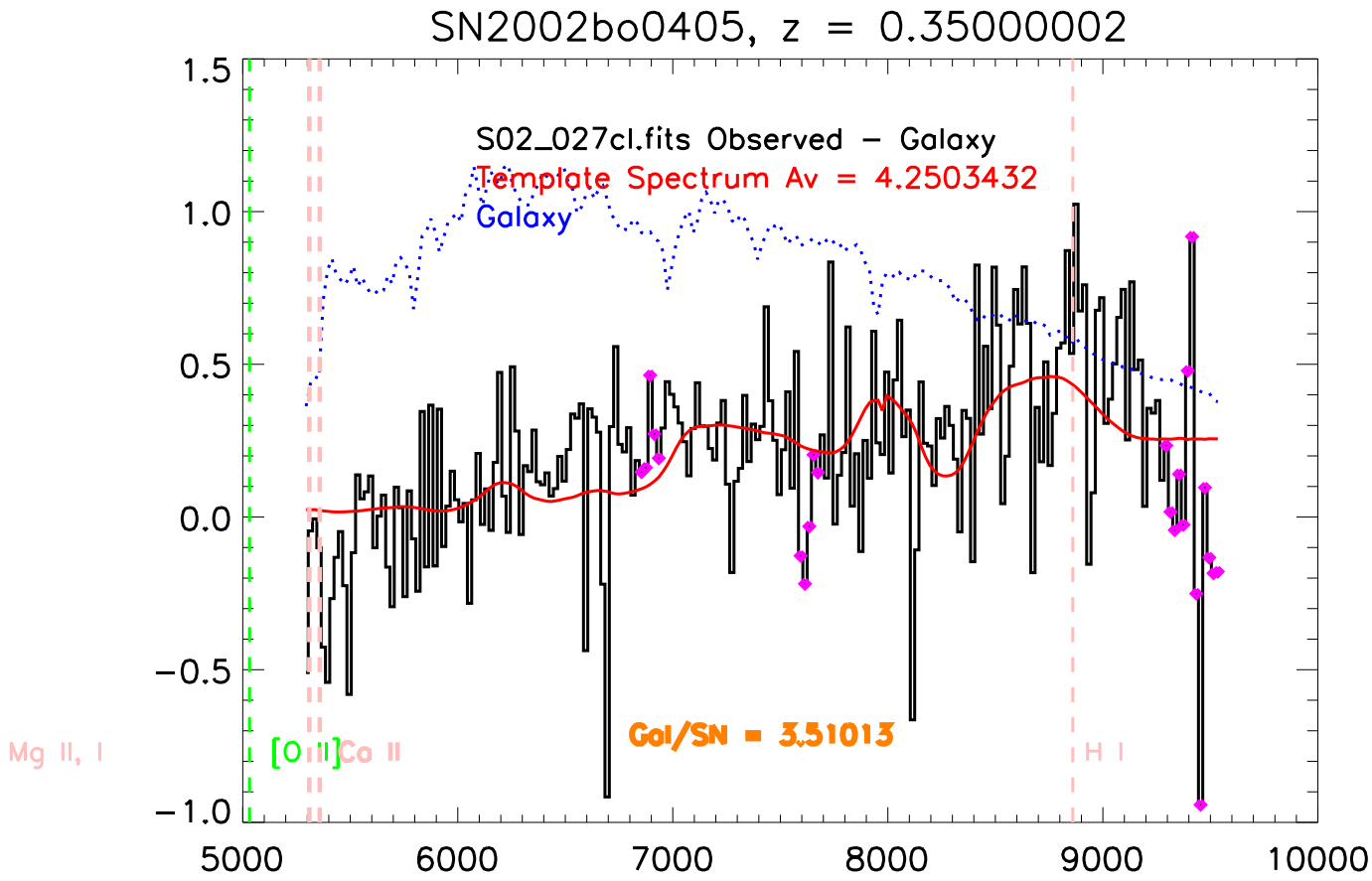
SN2002bo0405, z = 0.35000002
S02_027cl.fits Observed − Galaxy
Template Spectrum Av = 4.2503432
Galaxy
GoI/SN = 3.51013
Mg II, I
[O II]
Ca II
H I
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1.0
0.5
0.0
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−1.0
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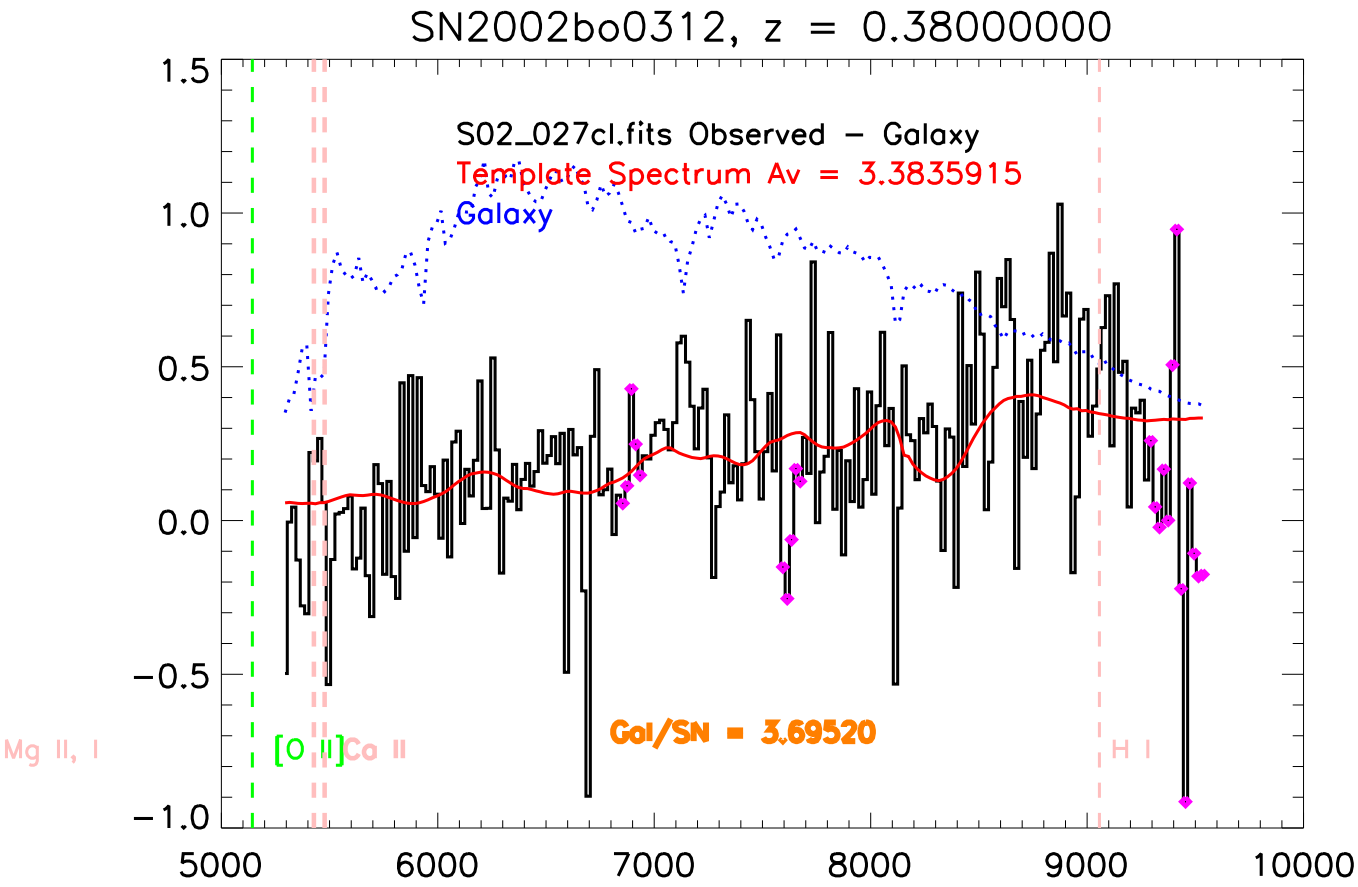
8000
9000
10000


SN2002bo0312, z = 0.38000000
S02_027cl.fits Observed − Galaxy
Template Spectrum Av = 3.3835915
Galaxy
Gal/SN = 3.69520
Mg II, I
[O II]
Ca II
H I
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1.0
0.5
0.0
−0.5
−1.0
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6000
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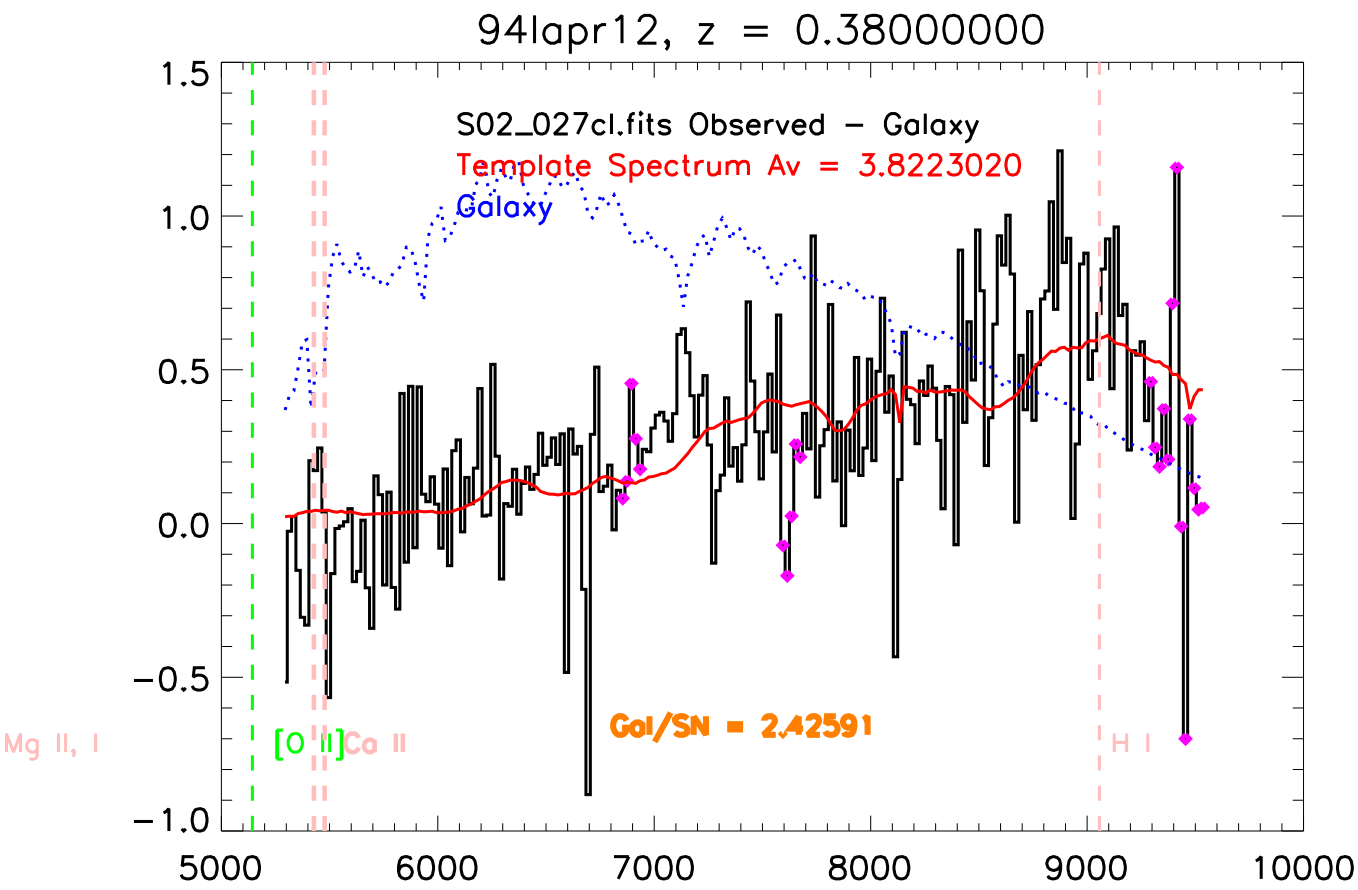
8000
9000
10000


94lapr12, z = 0.38000000
S02_027cl.fits Observed − Galaxy
Template Spectrum Av = 3.8223020
Galaxy
GoI/SN = 2.42591
Mg II, I
[O II]
Ca II
H I
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0.0
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−1.0
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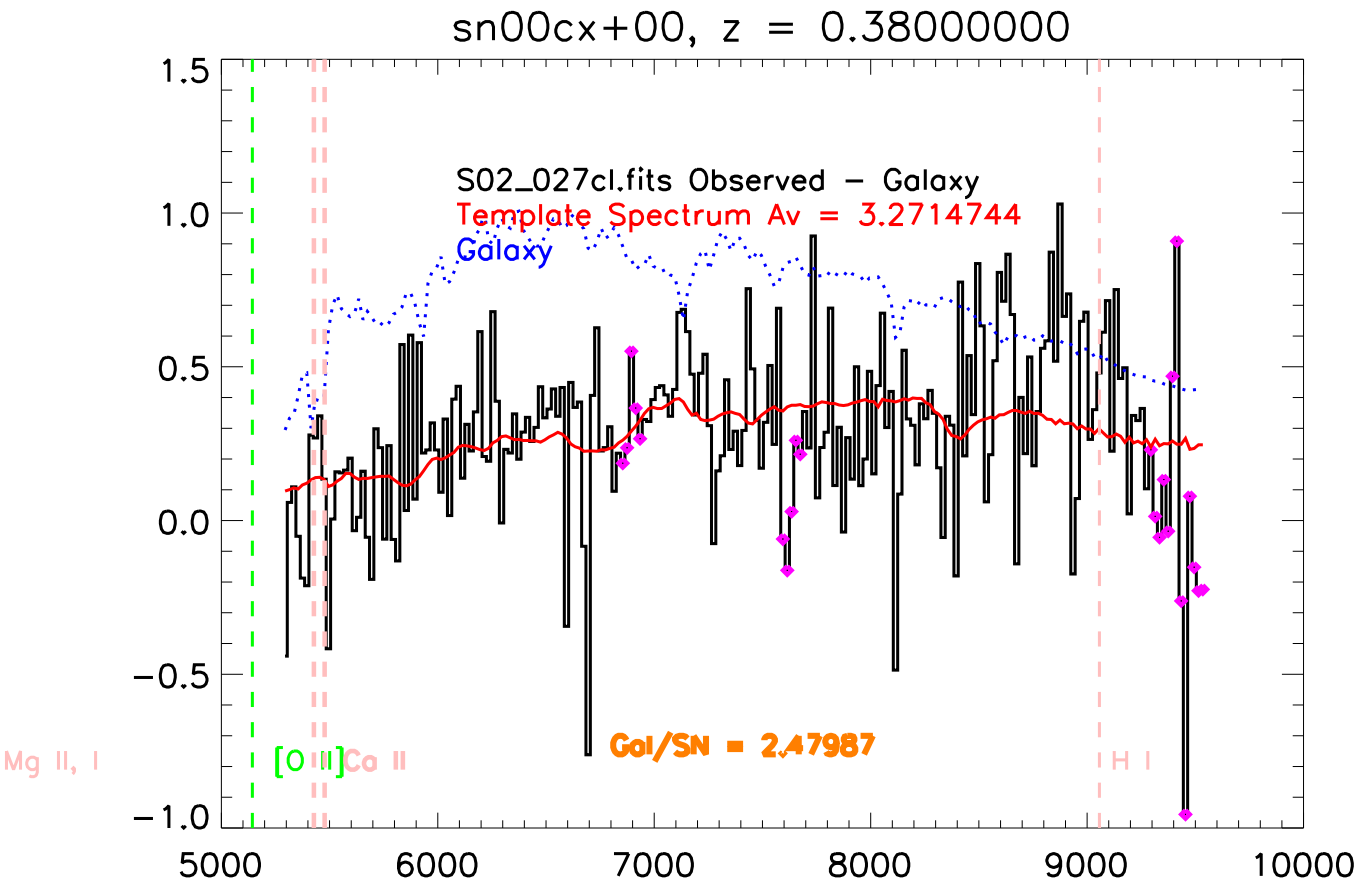
sn00cx+00, z = 0.38000000
S02_027cl.fits Observed − Galaxy
Template Spectrum Av = 3.2714744
Galaxy
GoI/SN = 2.47987
Mg II, I
[O II]
Ca II
H I
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0.5
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−1.0
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9000
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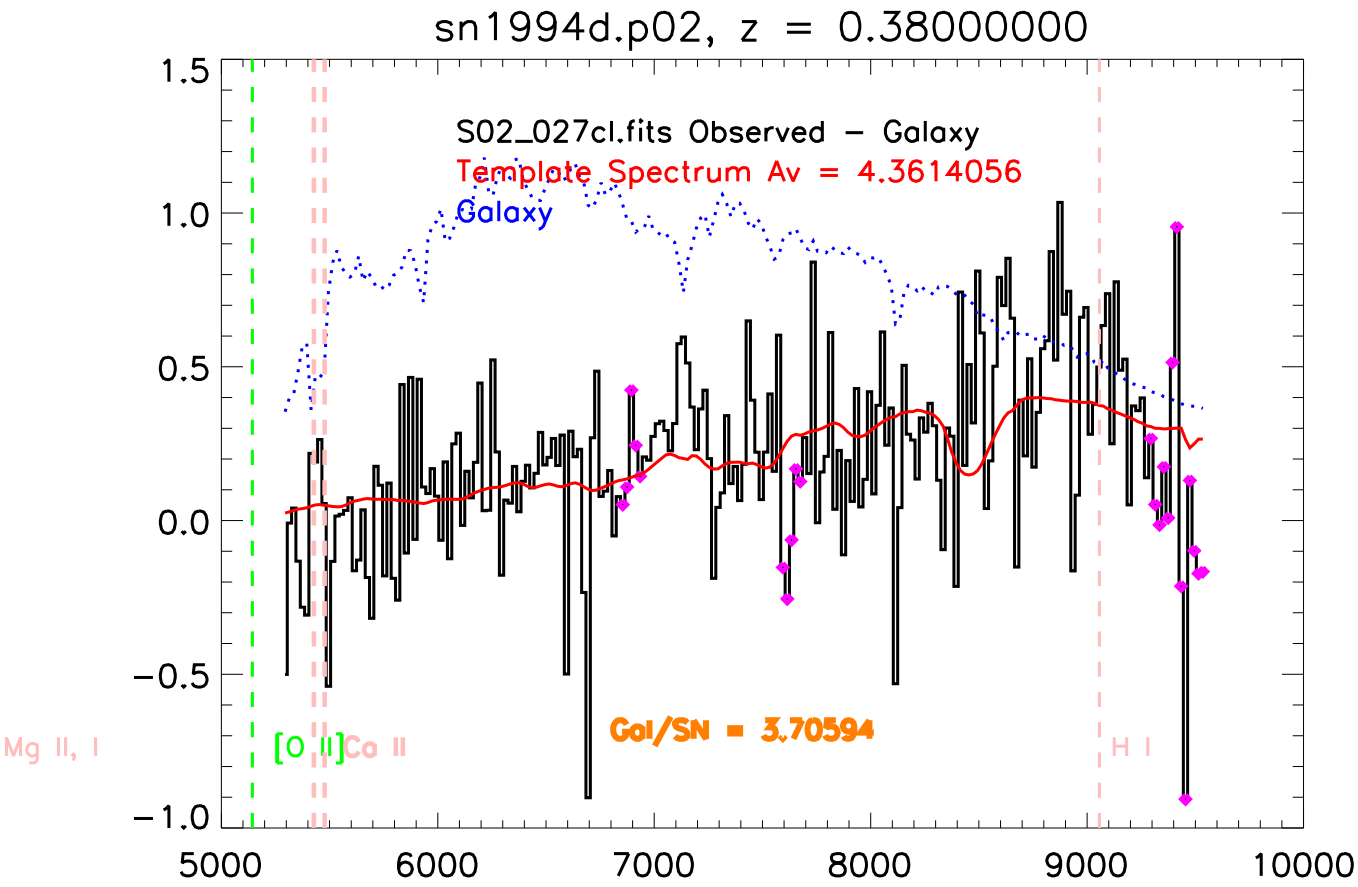
sn1994d.p02, z = 0.38000000
S02_027cl.fits Observed − Galaxy
Template Spectrum Av = 4.3614056
Galaxy
Gal/SN = 3.70594
Mg II, I
[O II]
Ca II
H I
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1.0
0.5
0.0
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−1.0
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7000
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9000
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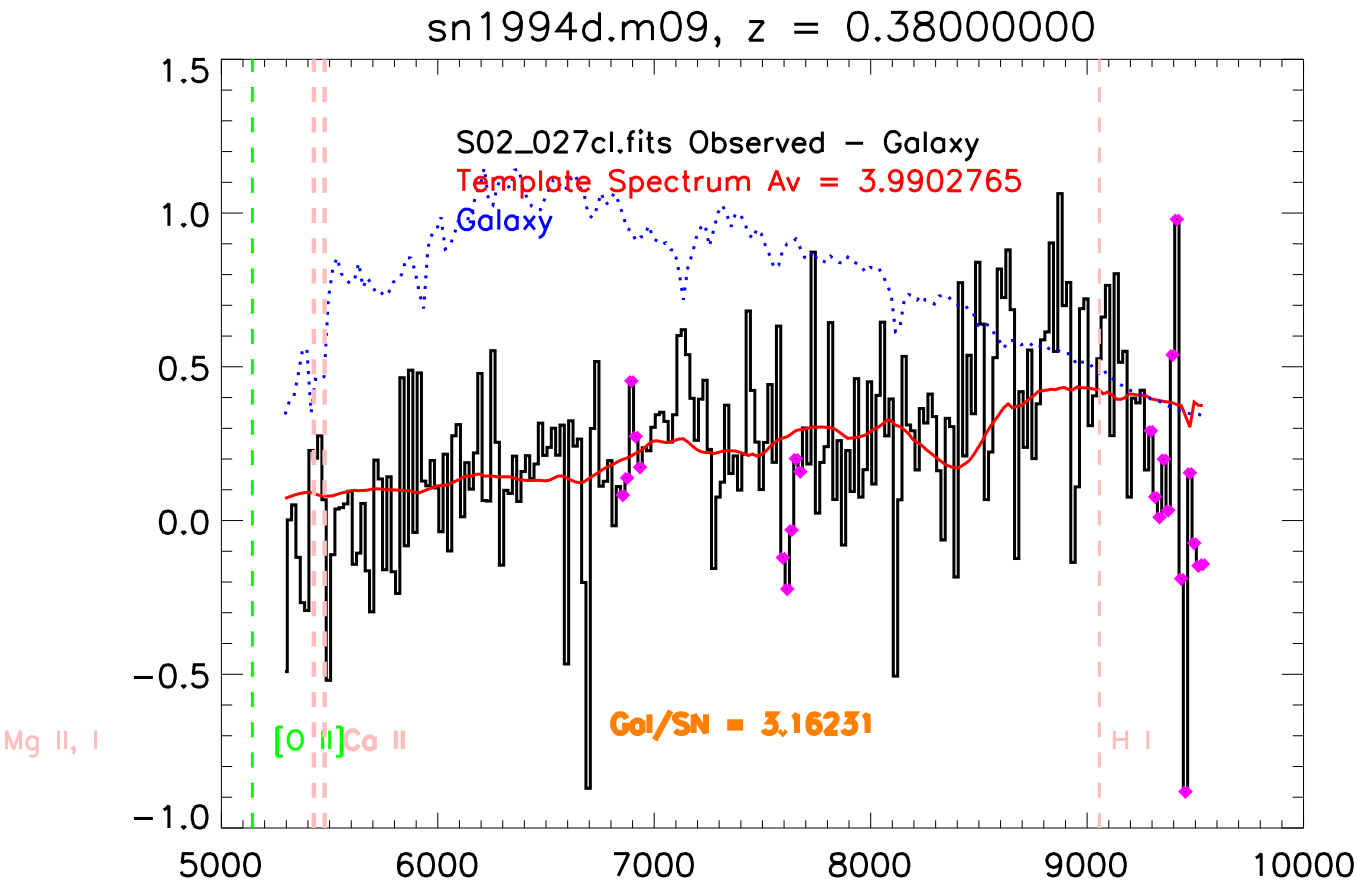
sn1994d.m09, z = 0.38000000
S02_027cl.fits Observed − Galaxy
Template Spectrum Av = 3.9902765
Galaxy
GoI/SN = 3.16231
Mg II, I
[O II]
Ca II
H I
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0.5
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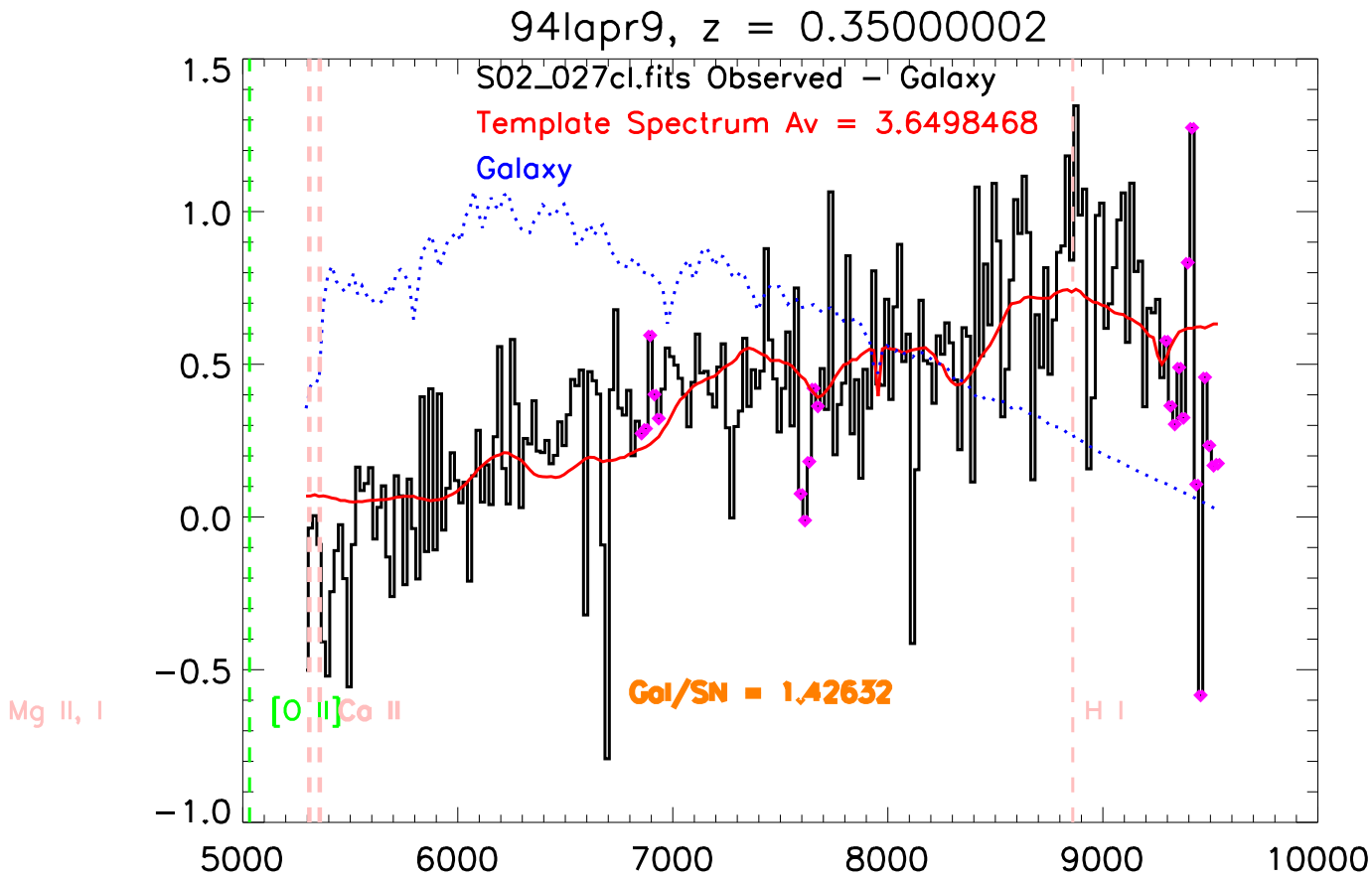
94lapr9, z = 0.35000002
S02_027cl.fits Observed − Galaxy
Template Spectrum Av = 3.6498468
Galaxy
GoI/SN = 1.42632
Mg II, I
[O II]
Ca II
H I
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0.5
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−0.5
−1.0
5000
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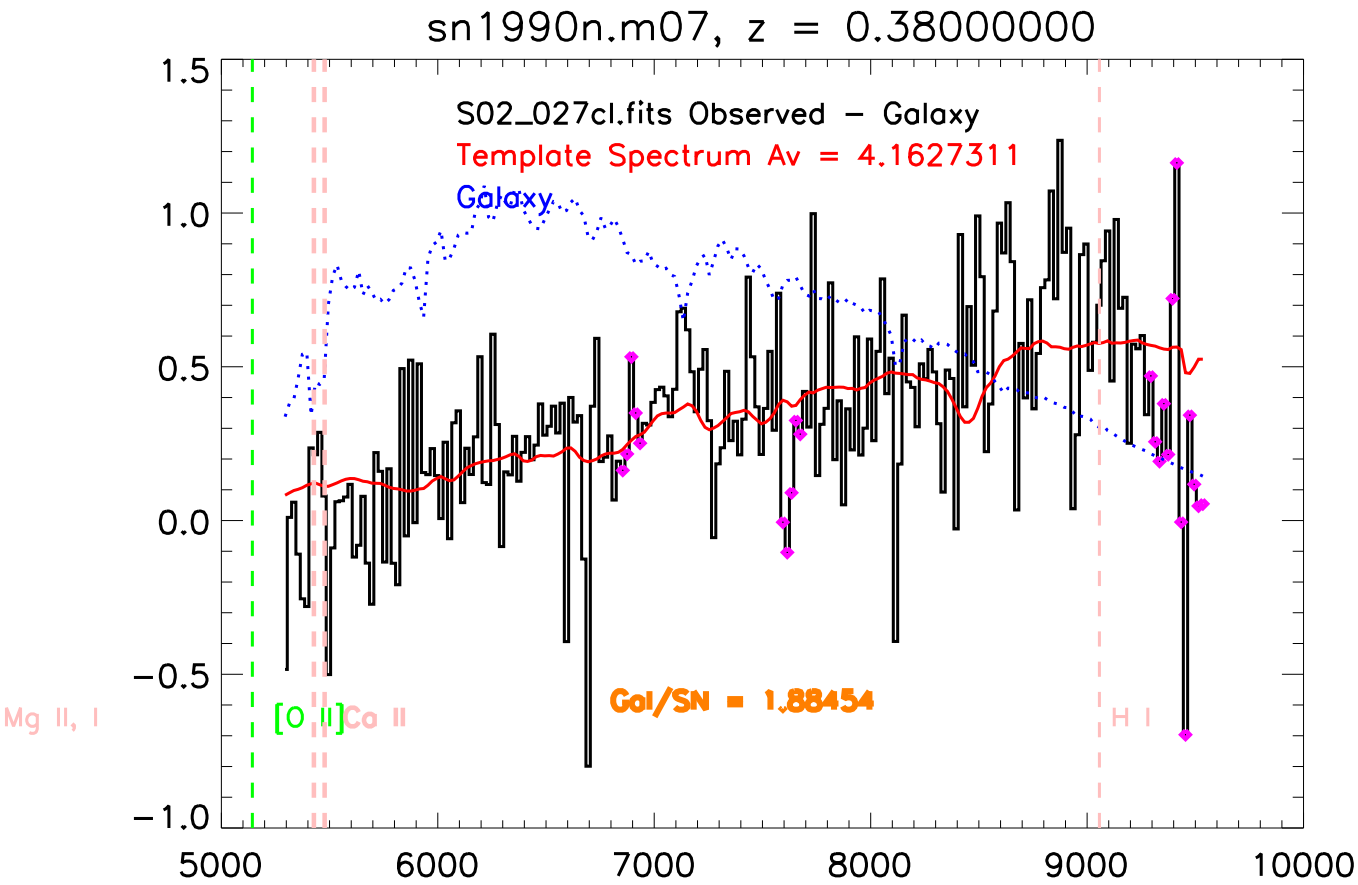
7000
8000
9000
10000


sn1990n.m07, z = 0.38000000
S02_027cl.fits Observed − Galaxy
Template Spectrum Av = 4.1627311
Galaxy
GoI/SN = 1.88454
Mg II, I
[O II]
Ca II
H I
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0.5
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−0.5
−1.0
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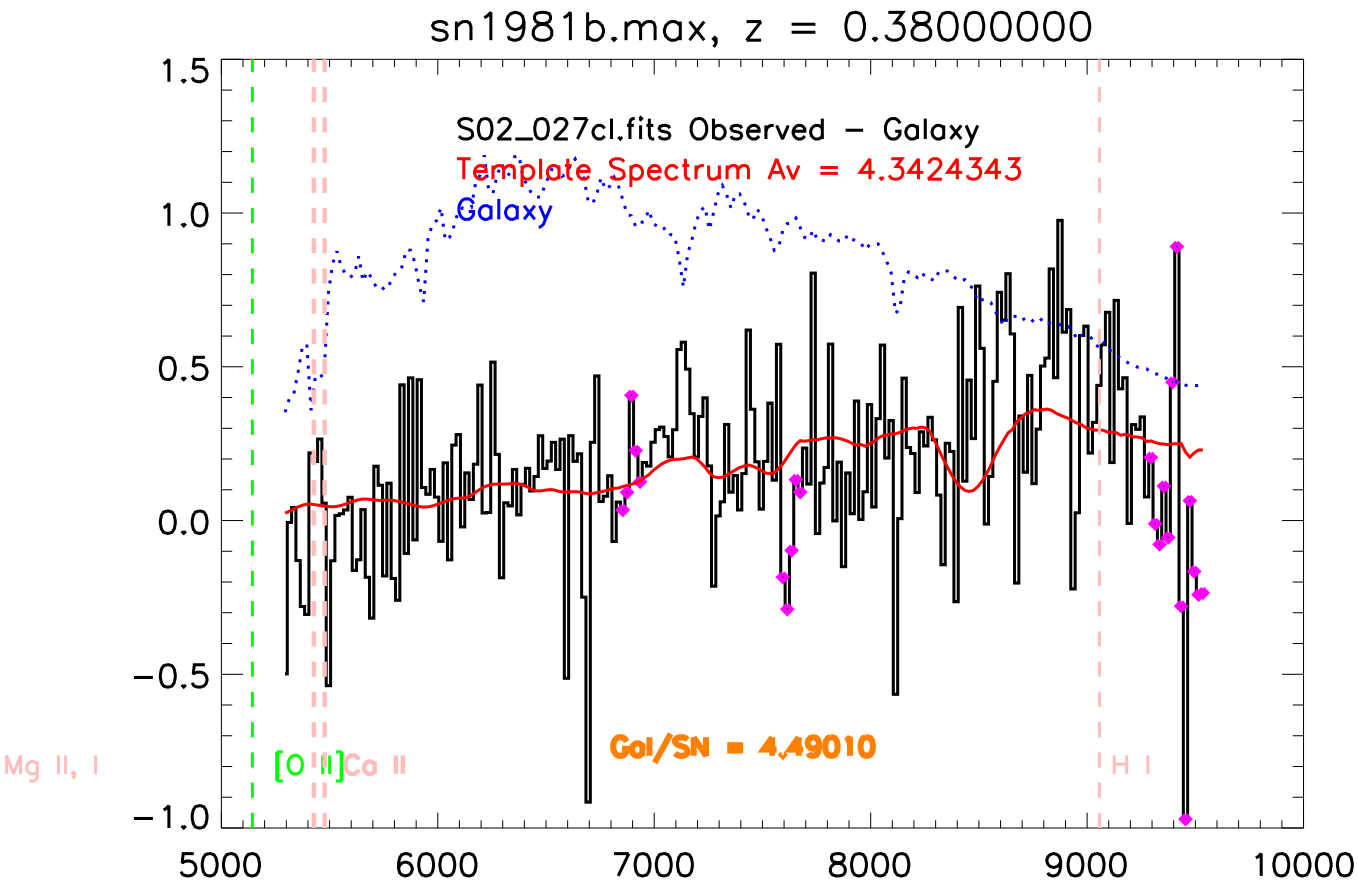
7000
8000
9000
10000


sn1981b.max, z = 0.38000000
S02_027cl.fits Observed − Galaxy
Template Spectrum Av = 4.3424343
Galaxy
GoI/SN = 4.49010
Mg II, I
[O II]
Ca II
H I
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1.0
0.5
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−1.0
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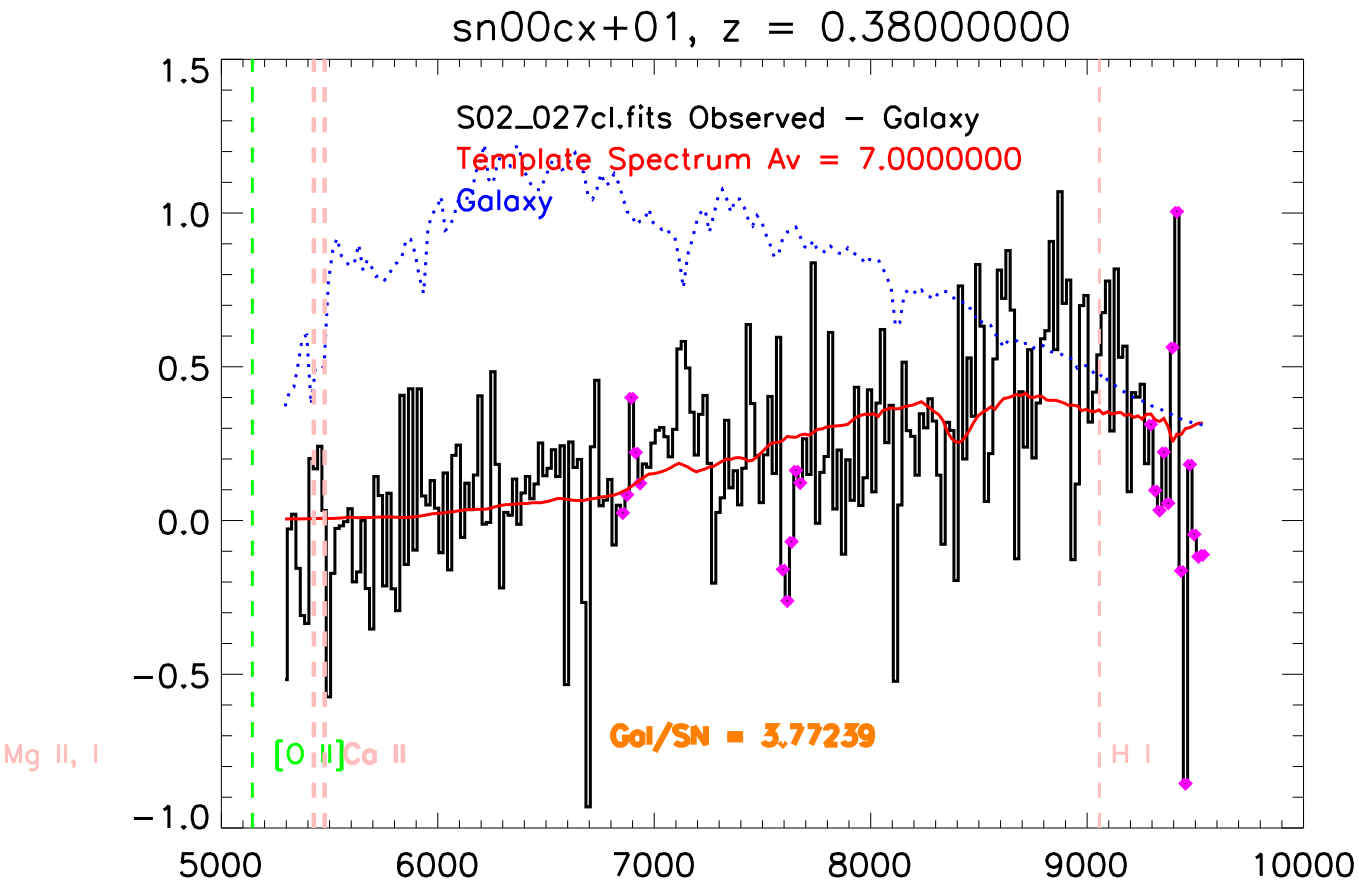
sn00cx+01, z = 0.38000000
S02_027cl.fits Observed − Galaxy
Template Spectrum Av = 7.0000000
Galaxy
GoI/SN = 3.77239
Mg II, I
[O II]
Ca II
H I
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0.5
0.0
−0.5
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8000
9000
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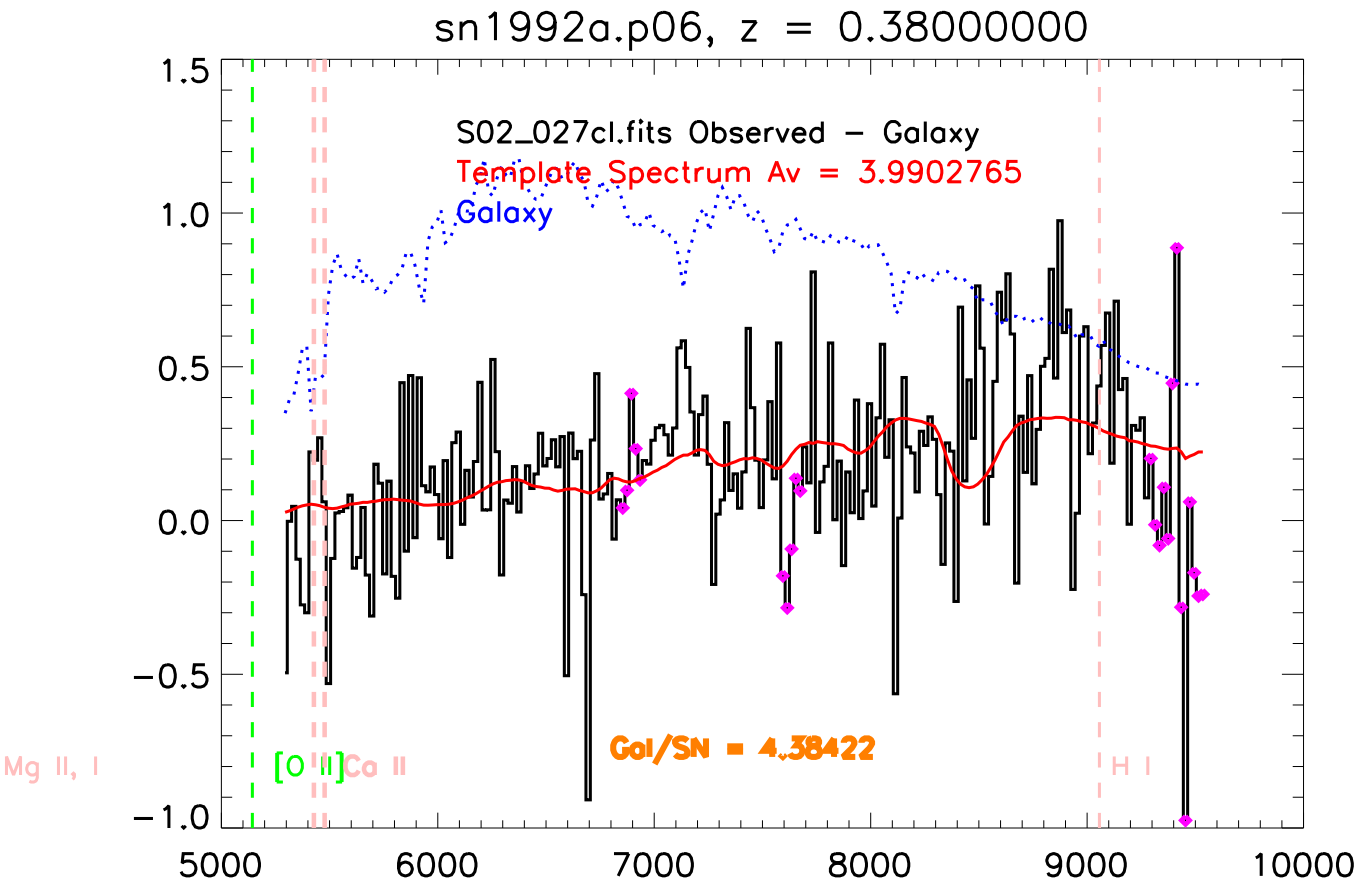
sn1992a.p06, z = 0.38000000
S02_027cl.fits Observed − Galaxy
Template Spectrum Av = 3.9902765
Galaxy
GoI/SN = 4.38422
Mg II, I
[O II]
Ca II
H I
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0.5
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−1.0
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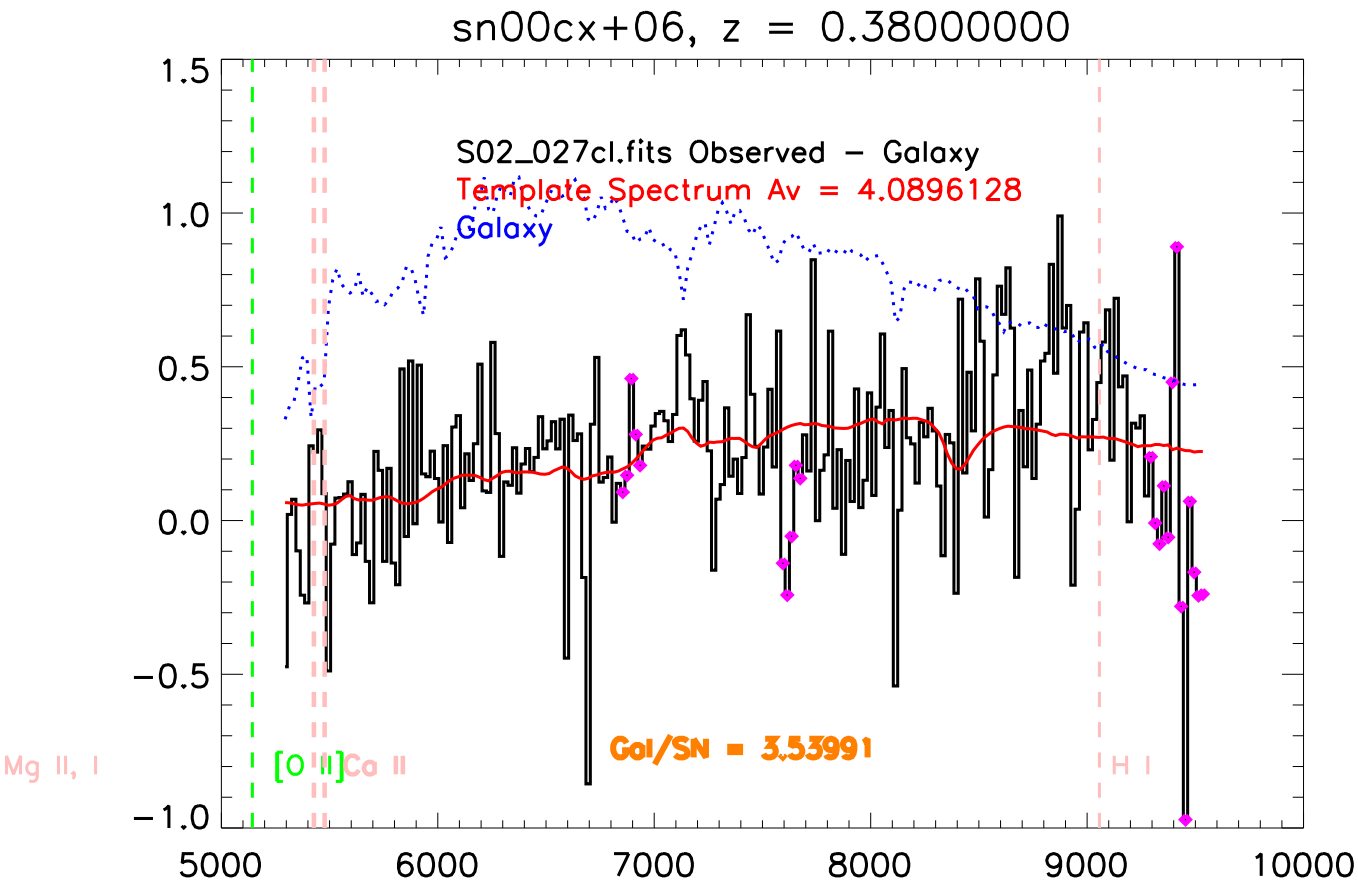
9000
10000


sn00cx+06, z = 0.38000000
S02_027cl.fits Observed − Galaxy
Template Spectrum Av = 4.0896128
Galaxy
GoI/SN = 3.53991
Mg II, I
[O II]
Ca II
H I
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1.0
0.5
0.0
−0.5
−1.0
5000
6000
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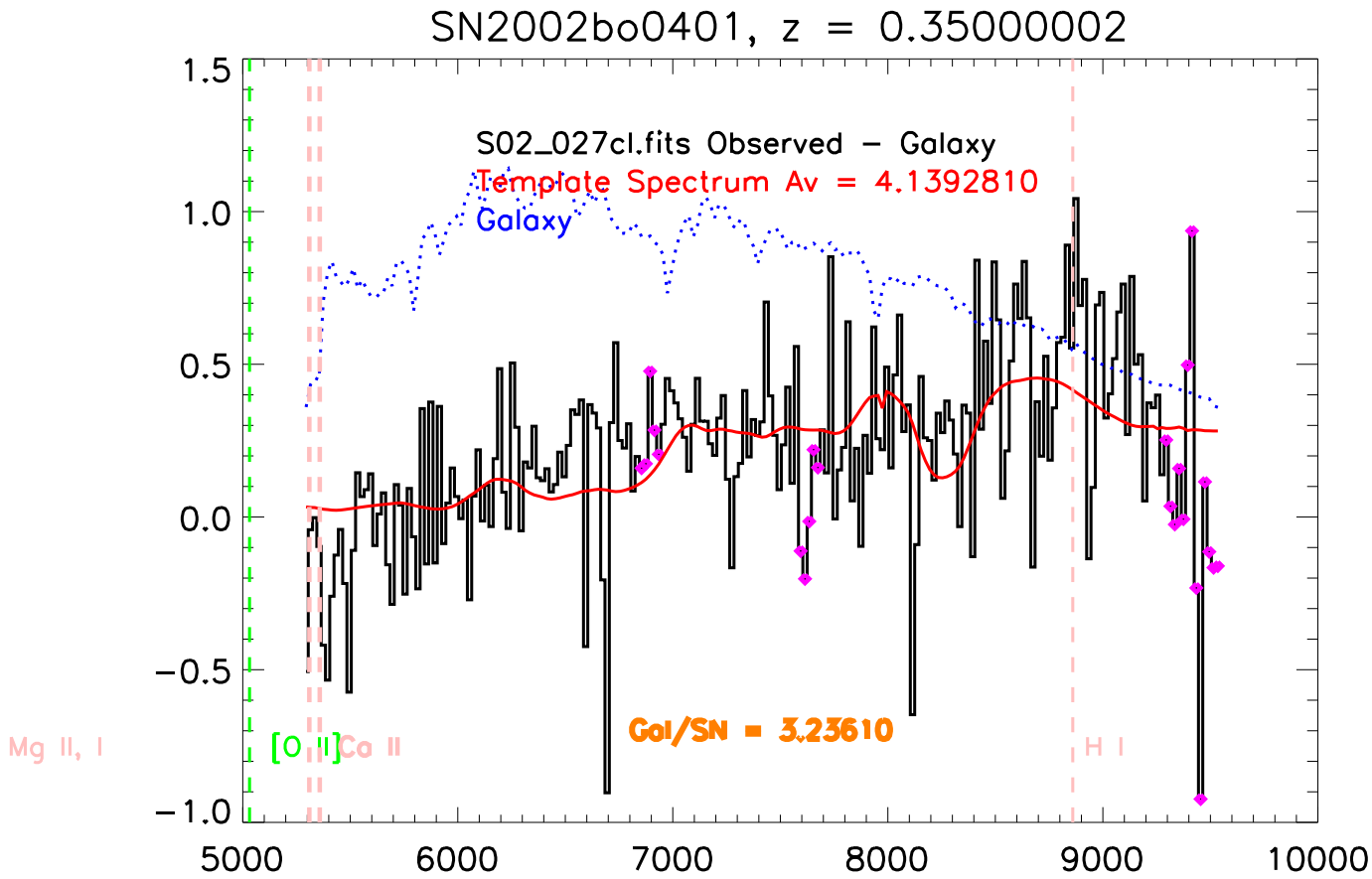
8000
9000
10000


SN2002bo0401, z = 0.35000002
S02_027cl.fits Observed − Galaxy
Template Spectrum Av = 4.1392810
Galaxy
GoI/SN = 3.23610
Mg II, I
[O II]
Ca II
H I
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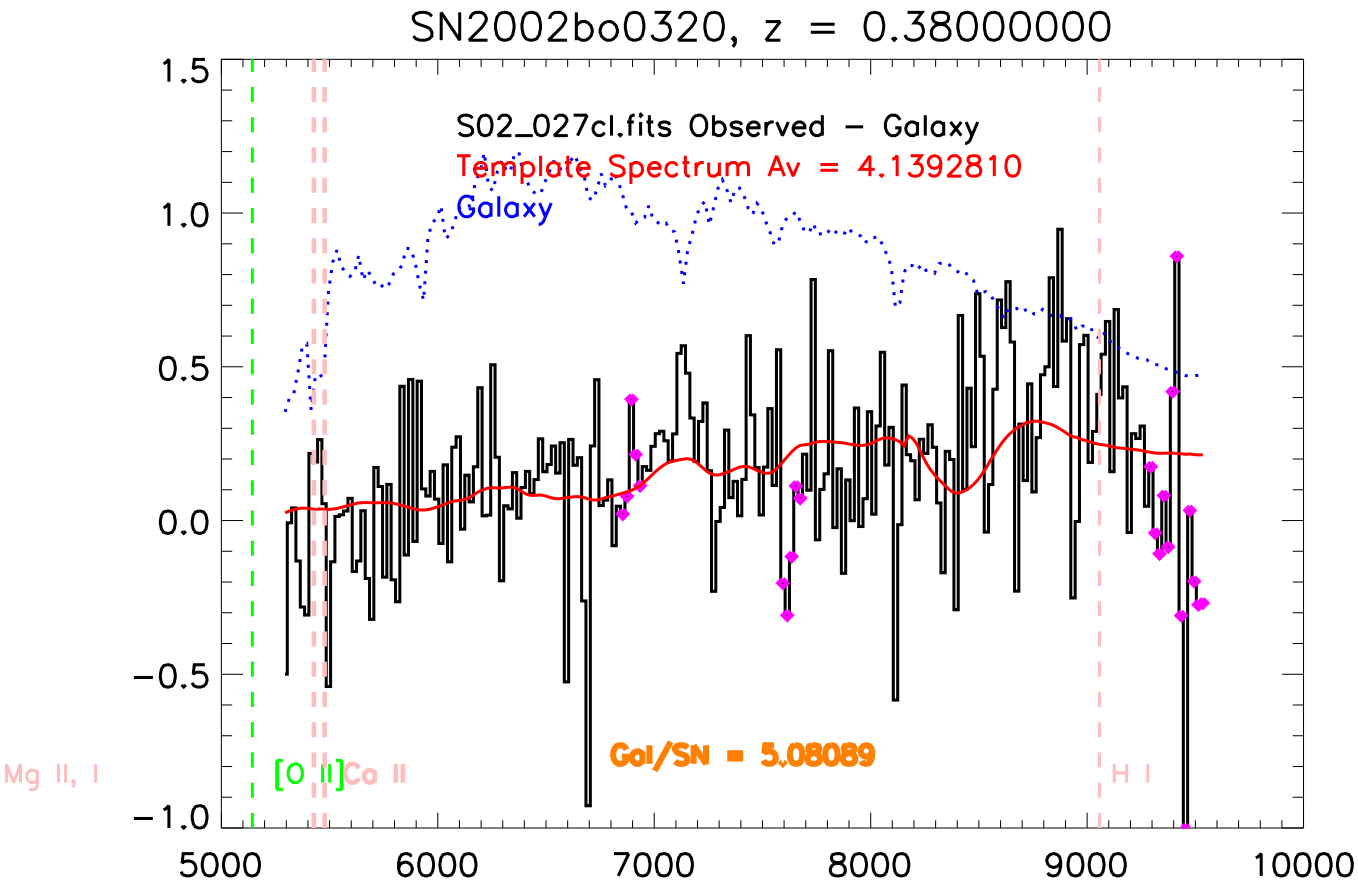
1.0
0.5
0.0
−0.5
−1.0
5000
6000
7000
8000
9000
10000


SN2002bo0320, z = 0.38000000
S02_027cl.fits Observed − Galaxy
Template Spectrum Av = 4.1392810
Galaxy
GoI/SN = 5.08089
Mg II, I
[O II]
Ca II
H I
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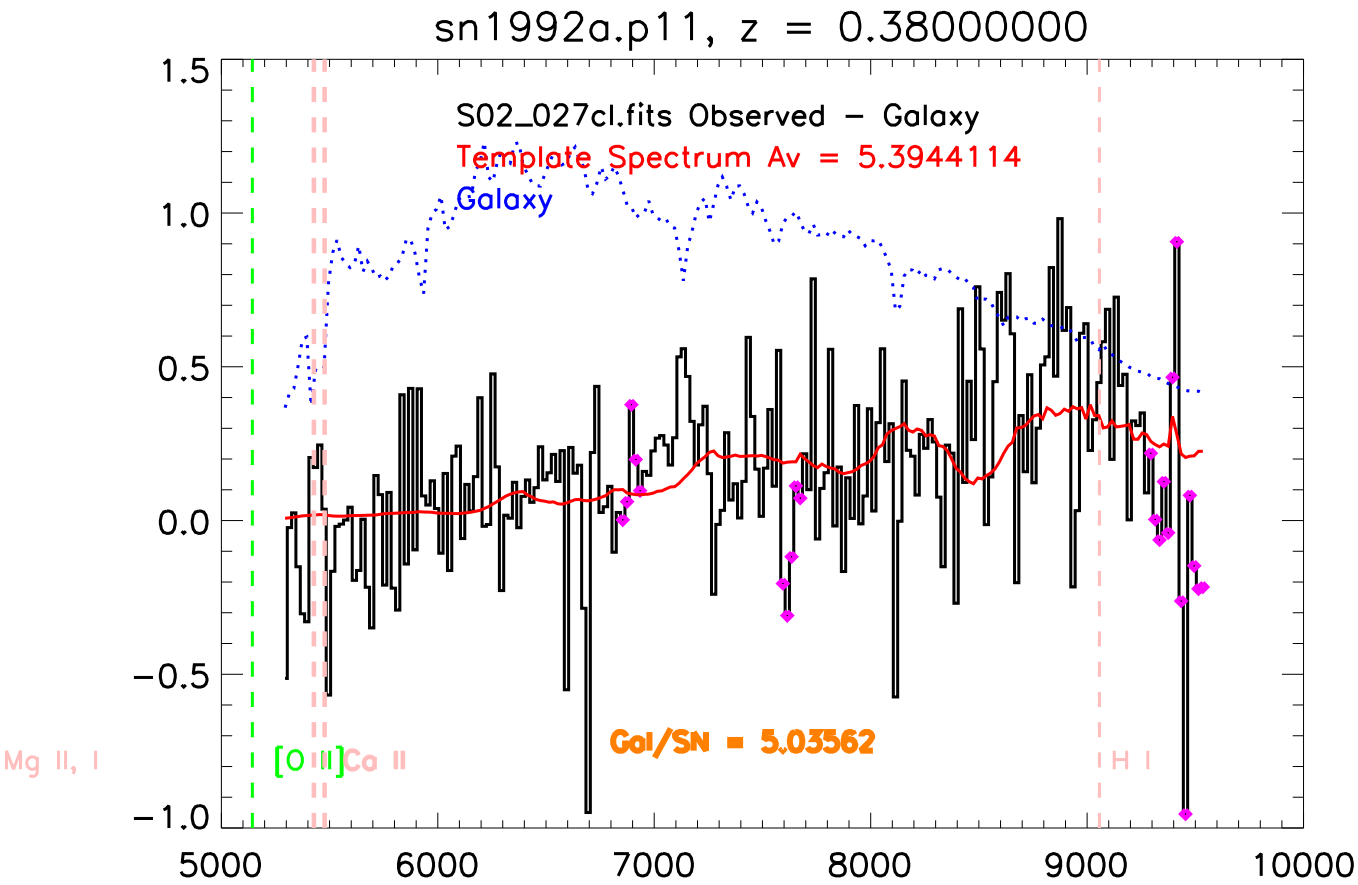
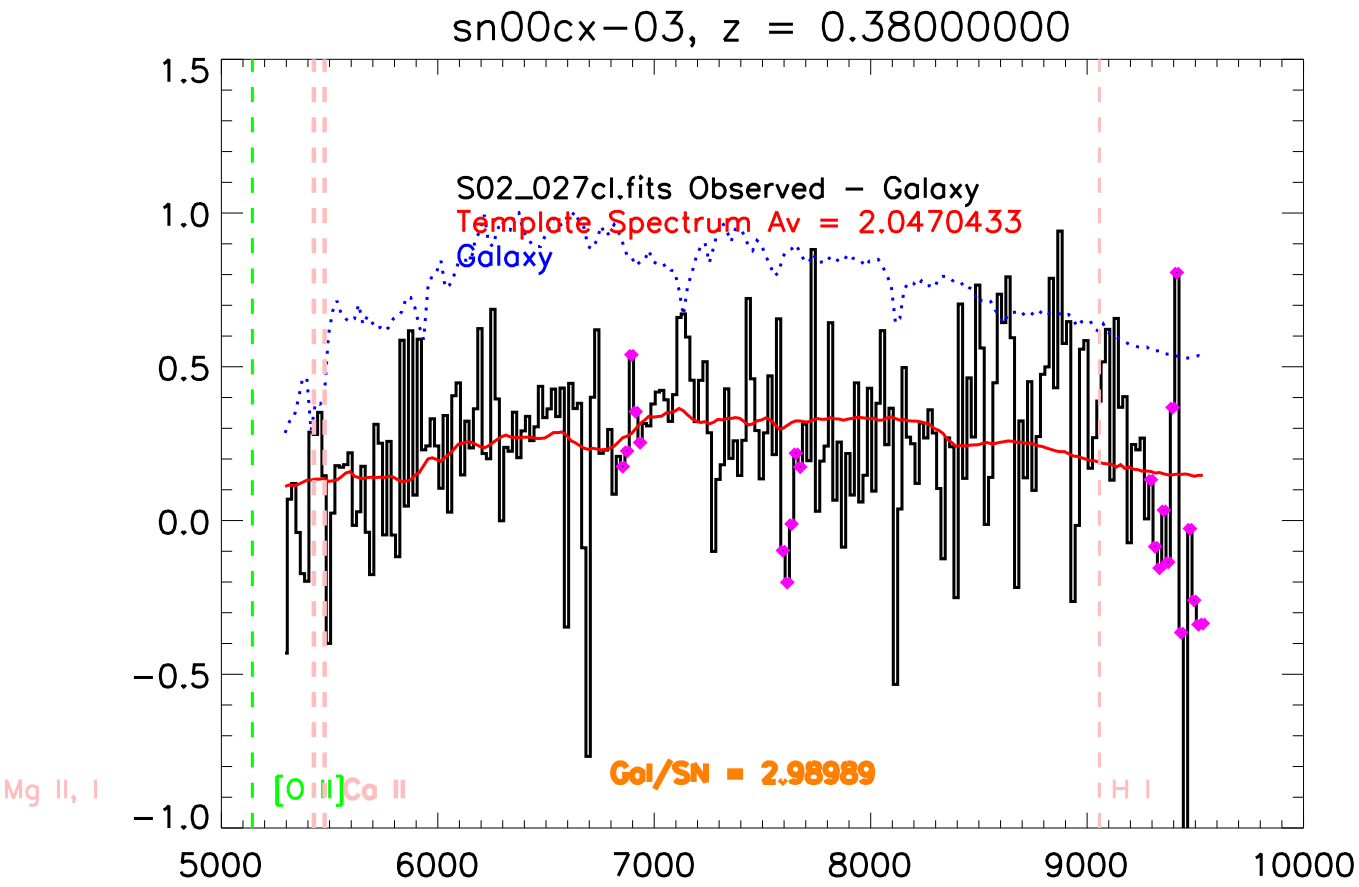
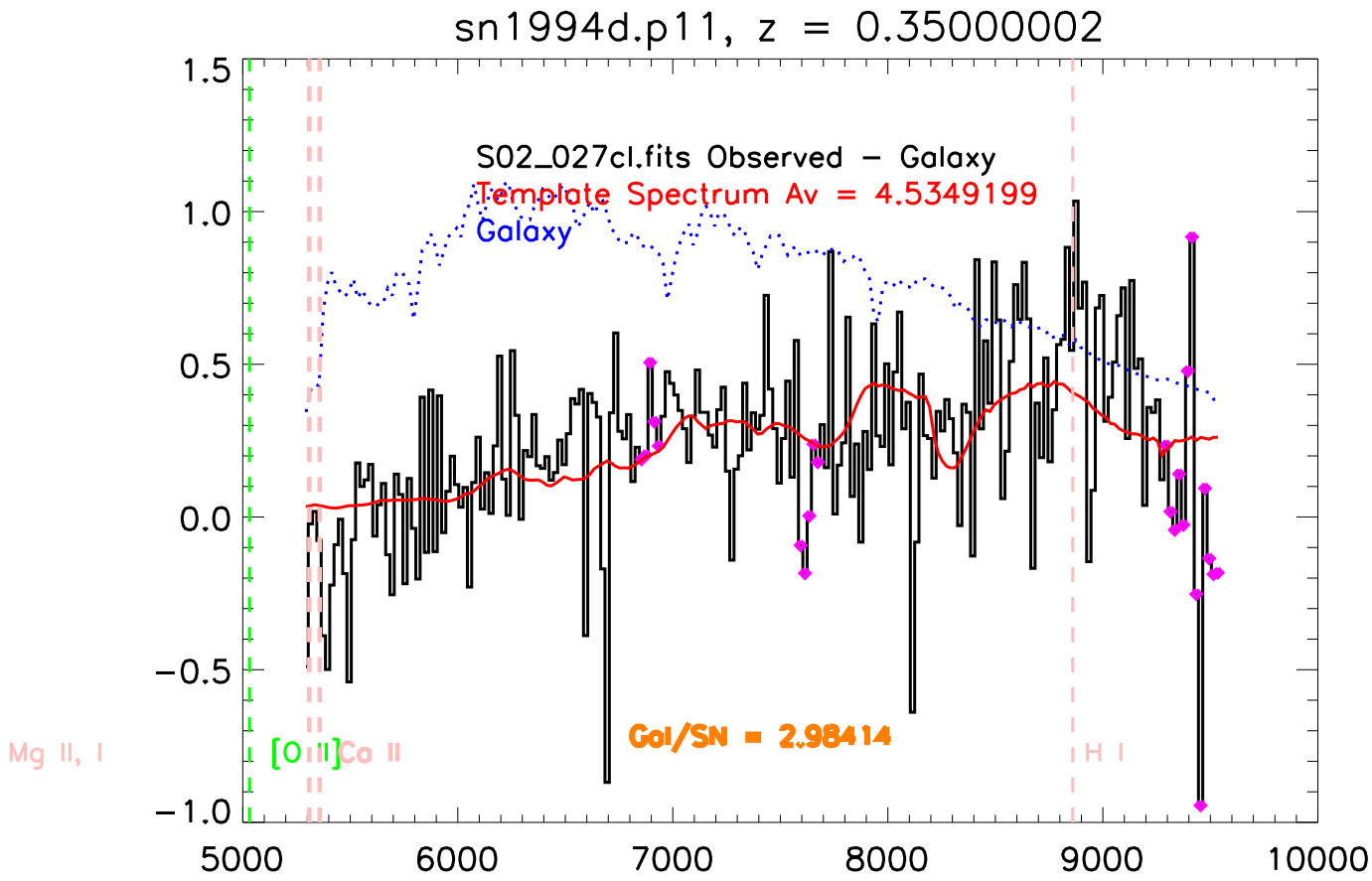
1.0
0.5
0.0
−0.5
−1.0
5000
6000
7000
8000
9000
10000


sn1992a.p11, z = 0.38000000
S02_027cl.fits Observed − Galaxy
Template Spectrum Av = 5.3944114
Galaxy
GoI/SN = 5.03562
Mg II, I
[O II]
Ca II
H I
1.5
1.0
0.5
0.0
−0.5
−1.0
5000
6000
7000
8000
9000
10000


sn00cx−03, z = 0.38000000
S02_027cl.fits Observed − Galaxy
Template Spectrum Av = 2.0470433
Galaxy
Gal/SN = 2.98989
Mg II, I
[O II]
Ca II
H I
1.5
1.0
0.5
0.0
−0.5
−1.0
5000
6000
7000
8000
9000
10000


sn1994d.p11, z = 0.35000002
S02_027cl.fits Observed − Galaxy
Template Spectrum Av = 4.5349199
Galaxy
GoI/SN = 2.98414
Mg II, I
[O II]
Ca II
H I
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1.0
0.5
0.0
−0.5
−1.0
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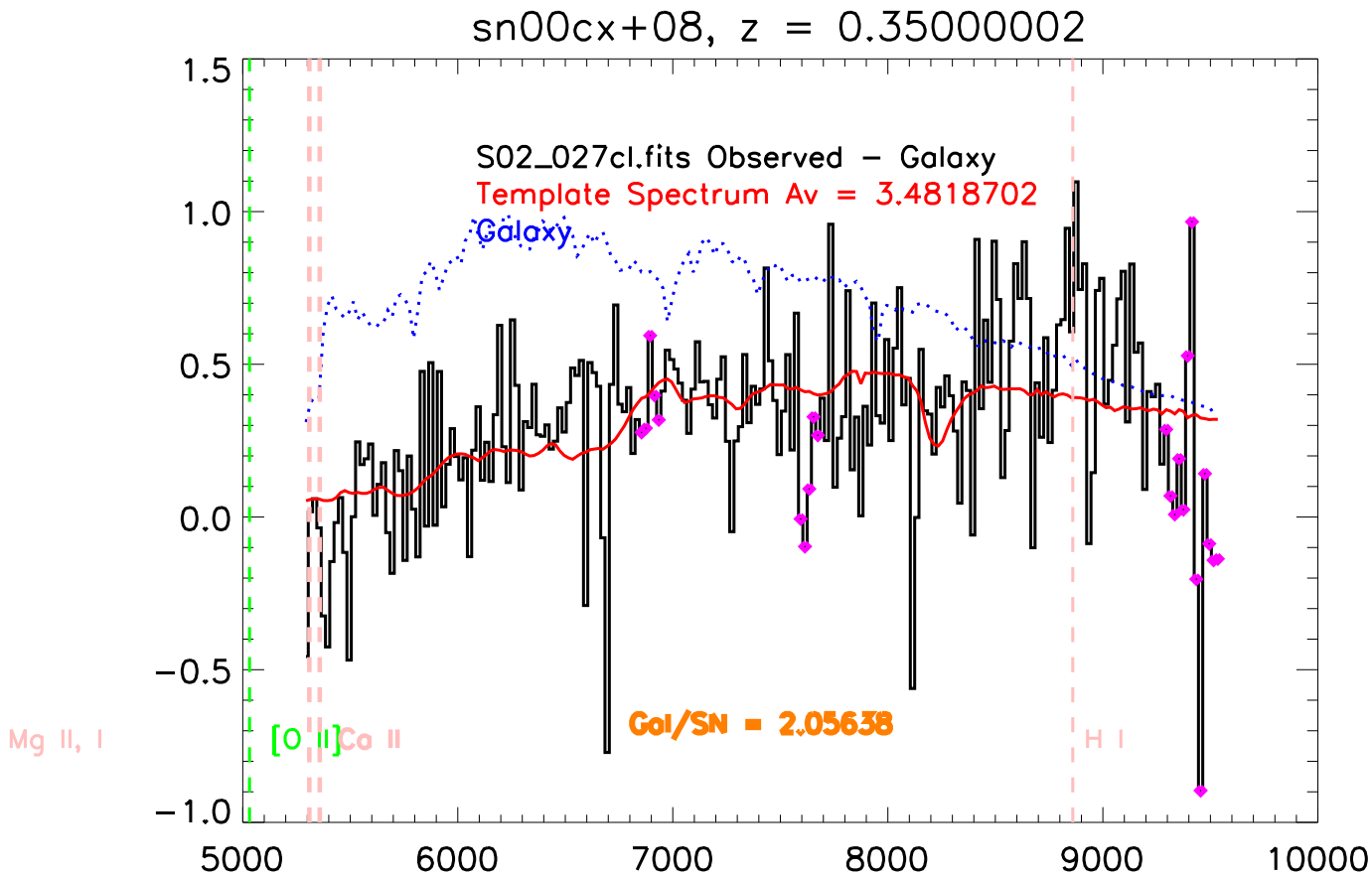
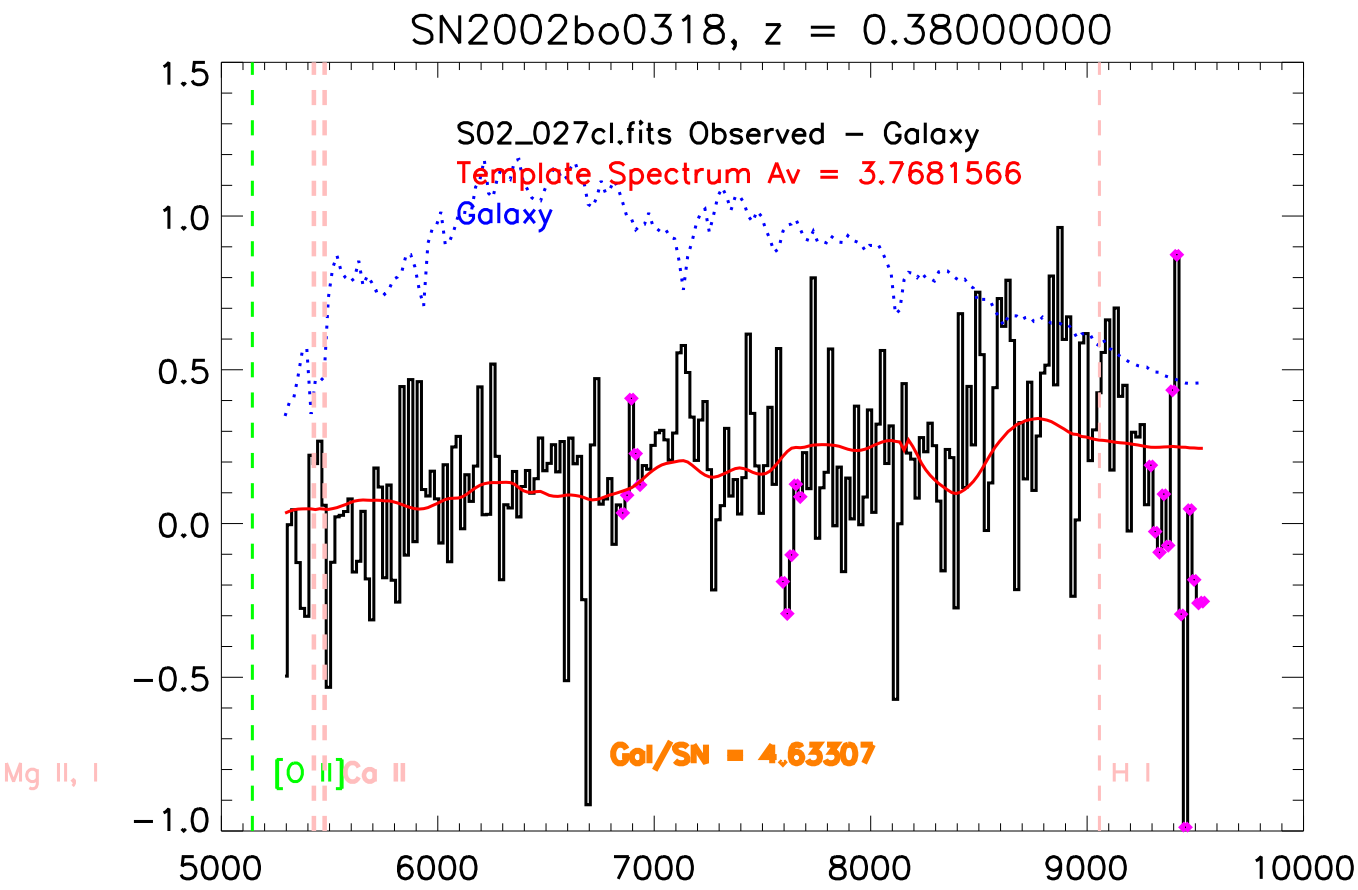
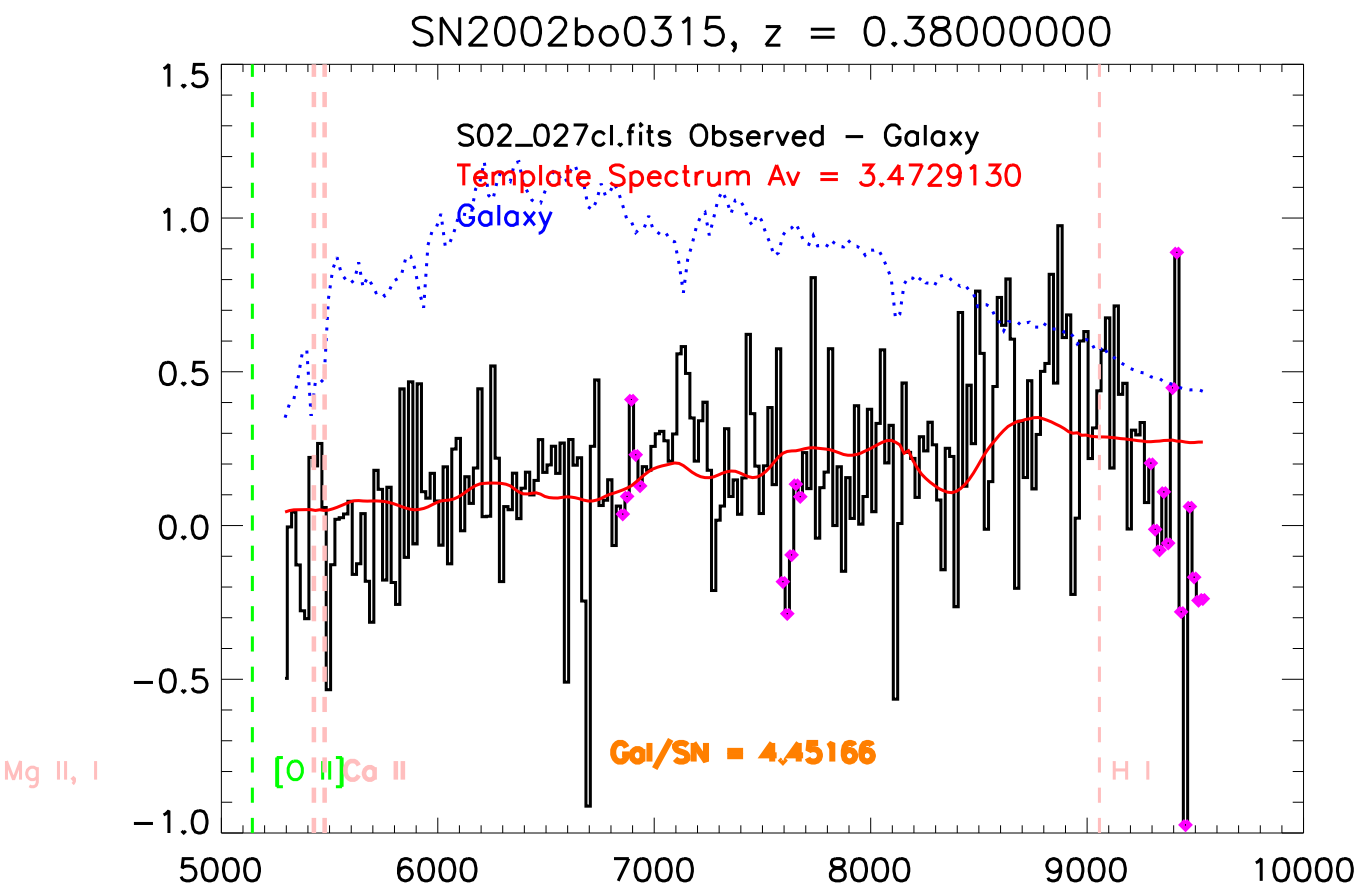
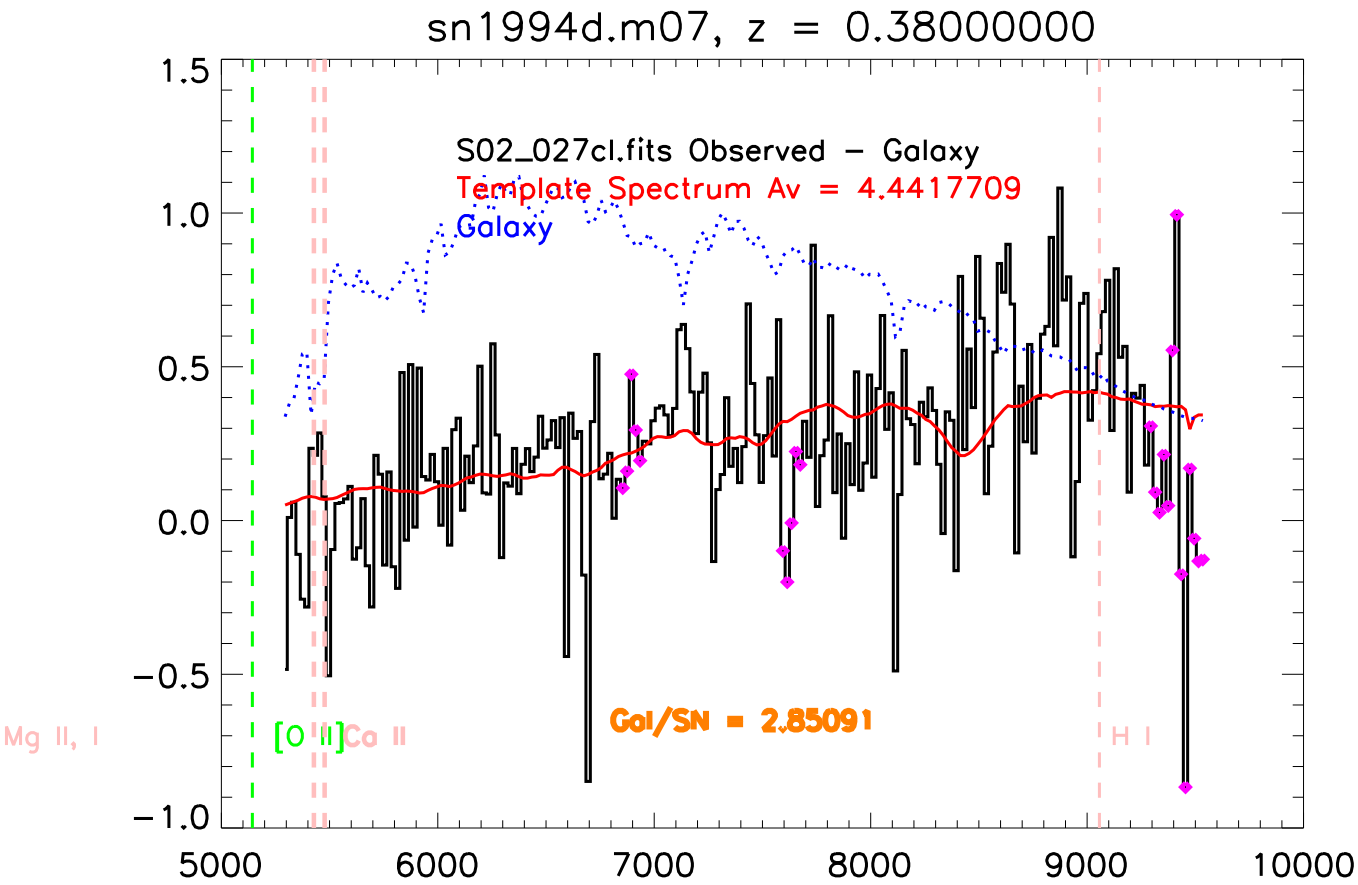
6000
7000
8000
9000
10000


sn00cx+08, z = 0.35000002
S02_027cl.fits Observed − Galaxy
Template Spectrum Av = 3.4818702
Galaxy
GoI/SN = 2.05638
Mg II, I
[O II]
Ca II
H I
1.5
1.0
0.5
0.0
−0.5
−1.0
5000
6000
7000
8000
9000
10000


SN2002bo0318, z = 0.38000000
S02_027cl.fits Observed − Galaxy
Template Spectrum Av = 3.7681566
Galaxy
GoI/SN = 4.63307
Mg II, I
[O II]
Ca II
H I
1.5
1.0
0.5
0.0
−0.5
−1.0
5000
6000
7000
8000
9000
10000


SN2002bo0315, z = 0.38000000
S02_027cl.fits Observed − Galaxy
Template Spectrum Av = 3.4729130
Galaxy
Gal/SN = 4.45166
Mg II, I
[O II]
Ca II
H I
1.5
1.0
0.5
0.0
−0.5
−1.0
5000
6000
7000
8000
9000
10000


sn1994d.m07, z = 0.38000000
S02_027cl.fits Observed − Galaxy
Template Spectrum Av = 4.4417709
Galaxy
Gal/SN = 2.85091
Mg II, I
[O II]
Ca II
H I
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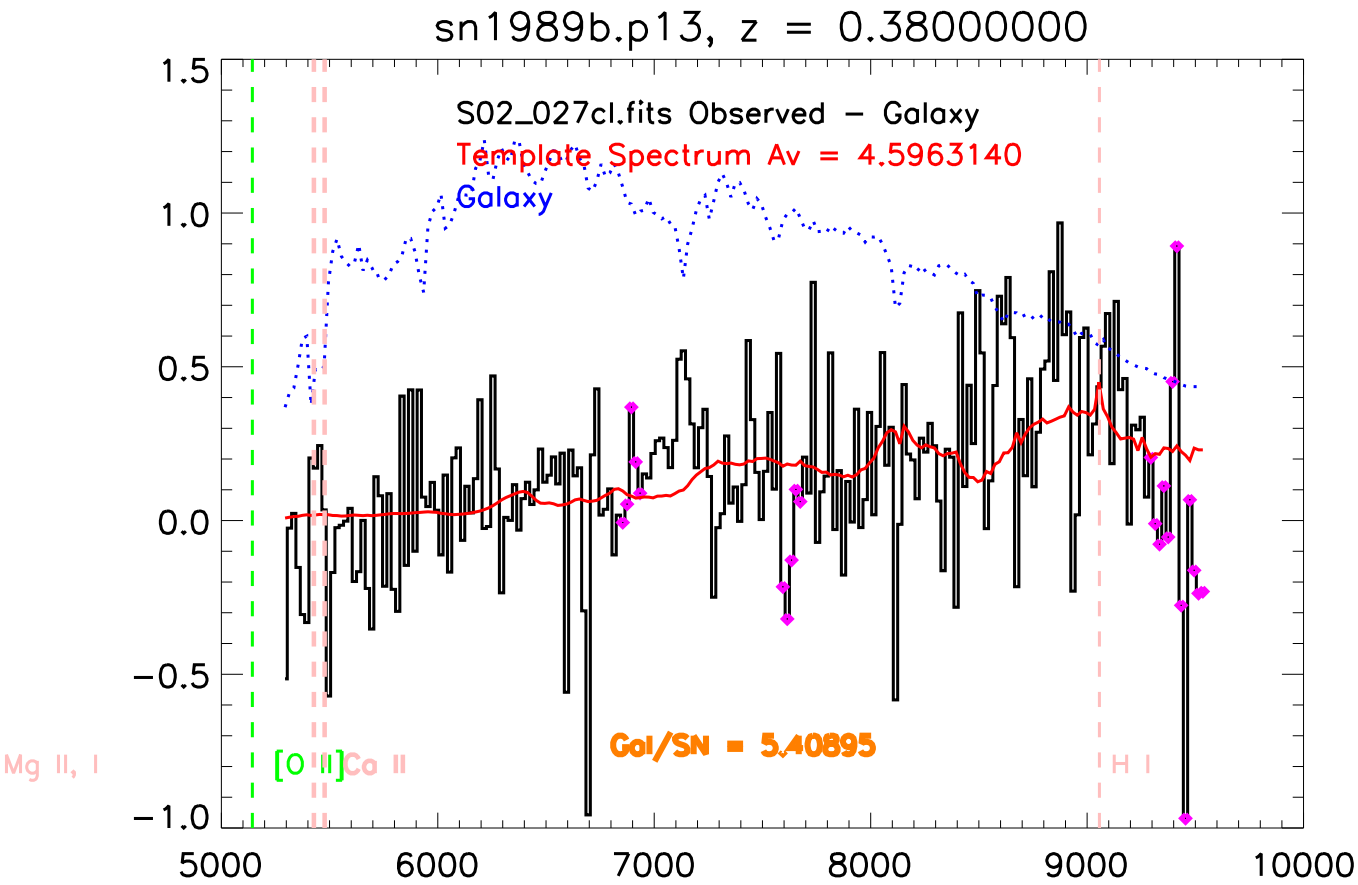
1.0
0.5
0.0
−0.5
−1.0
5000
6000
7000
8000
9000
10000


sn1989b.p13, z = 0.38000000
S02_027cl.fits Observed − Galaxy
Template Spectrum Av = 4.5963140
Galaxy
GoI/SN = 5.40895
Mg II, I
[O II]
Ca II
H I
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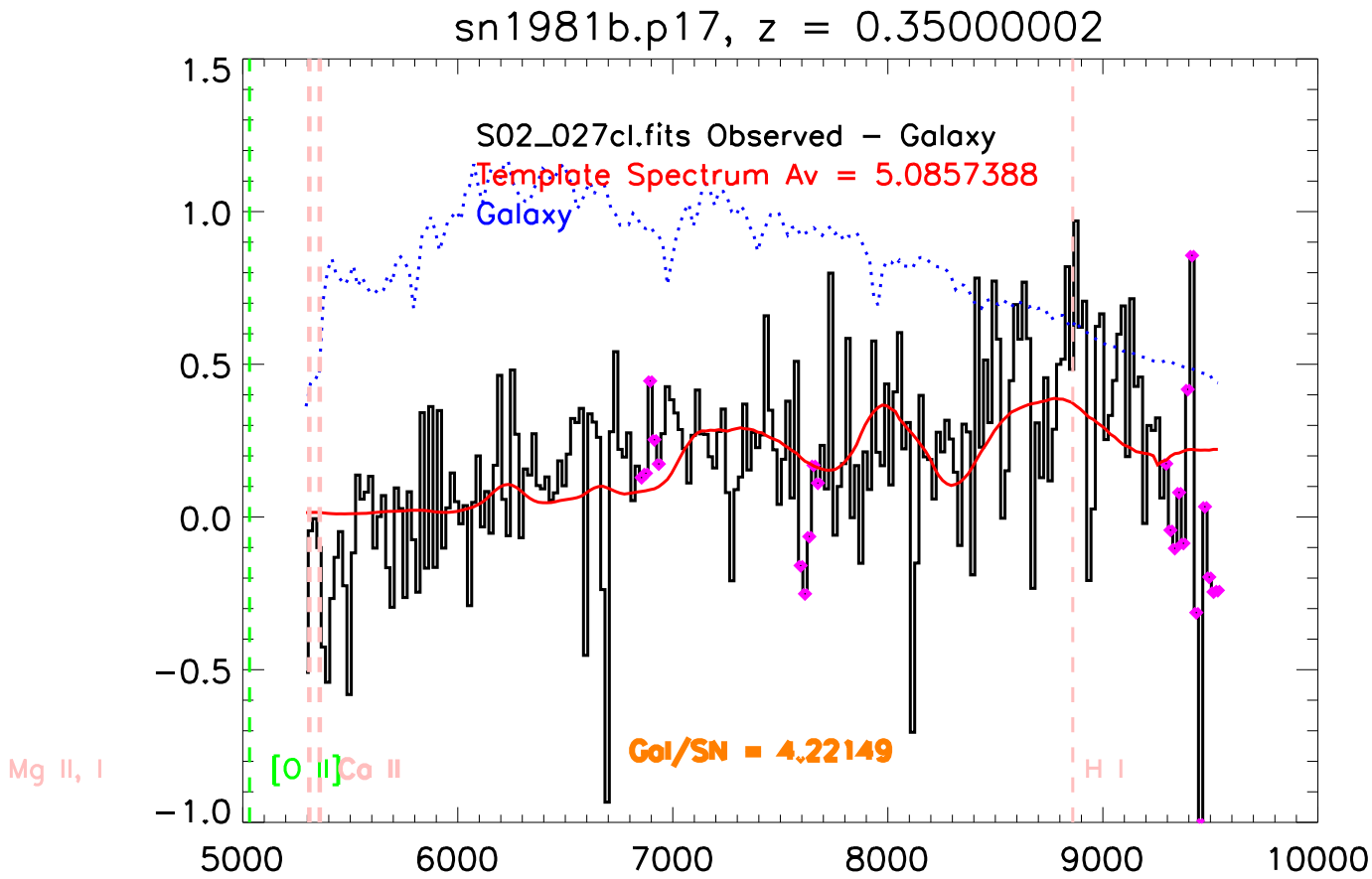
1.0
0.5
0.0
−0.5
−1.0
5000
6000
7000
8000
9000
10000


sn1981b.p17, z = 0.35000002
S02_027cl.fits Observed − Galaxy
Template Spectrum Av = 5.0857388
Galaxy
GoI/SN = 4.22149
Mg II, I
[O II]
Ca II
H I
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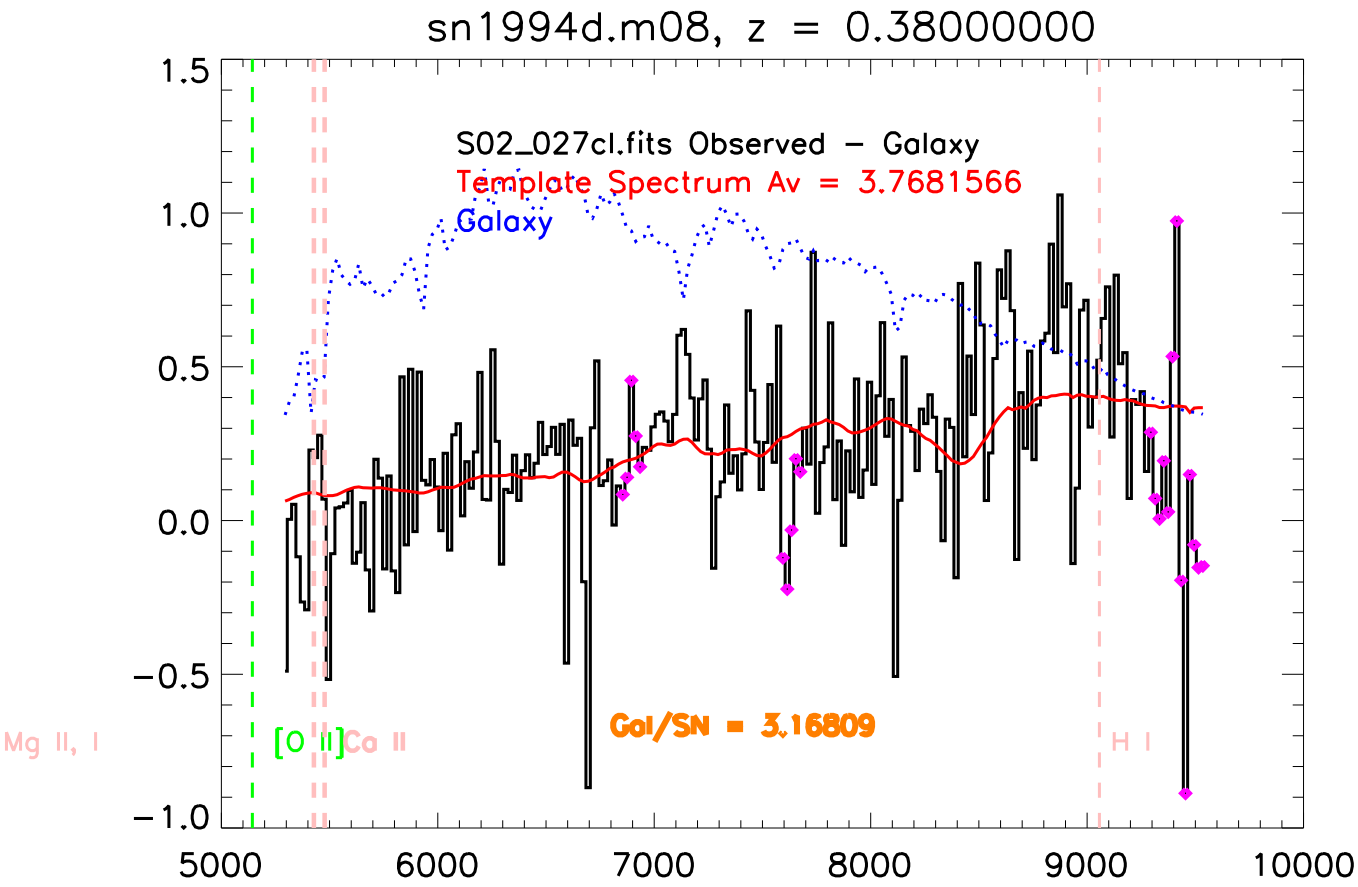
1.0
0.5
0.0
−0.5
−1.0
5000
6000
7000
8000
9000
10000


sn1994d.m08, z = 0.38000000
S02_027cl.fits Observed − Galaxy
Template Spectrum Av = 3.7681566
Galaxy
GoI/SN = 3.16809
Mg II, I
[O II]
Ca II
H I
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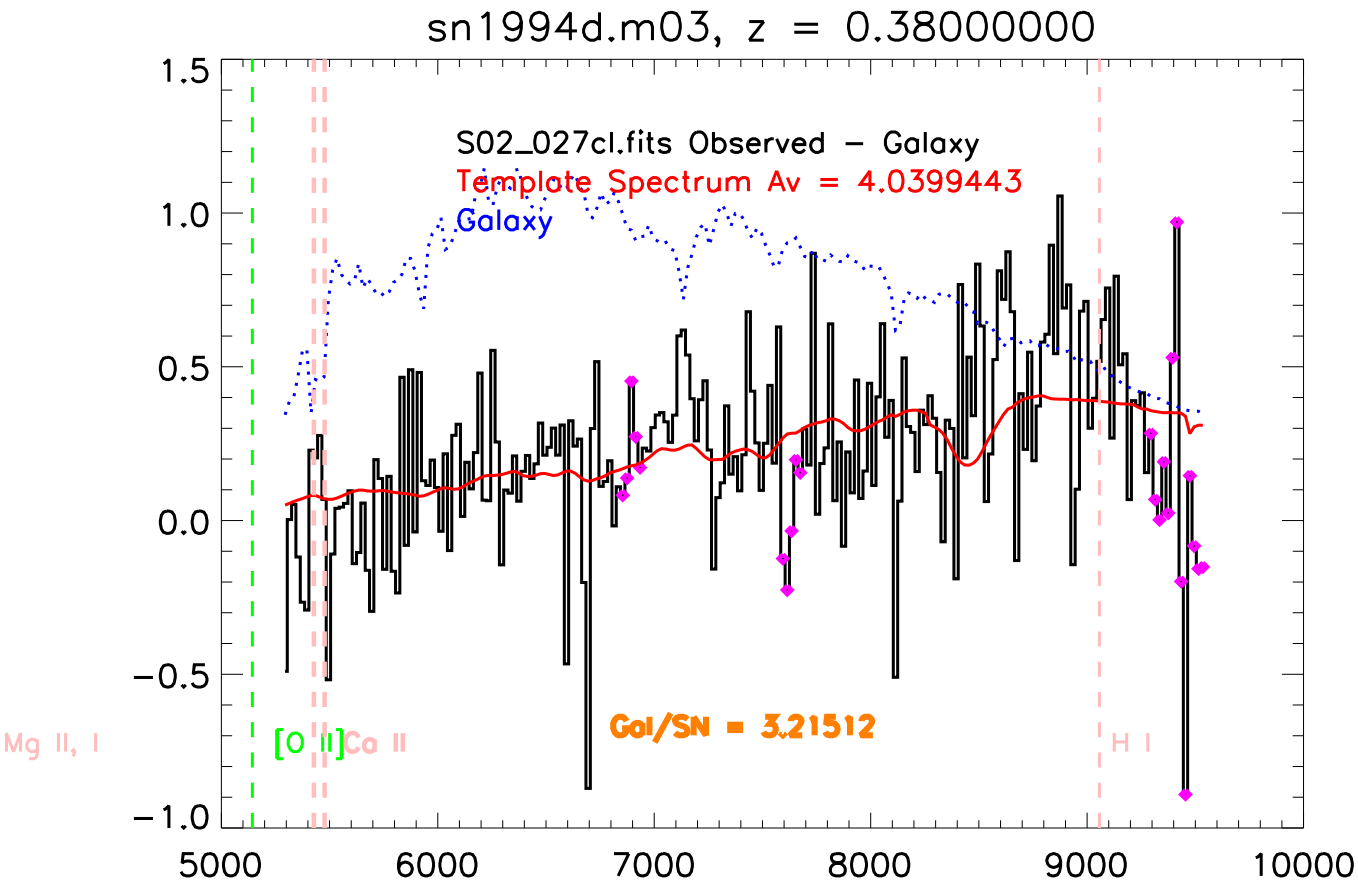
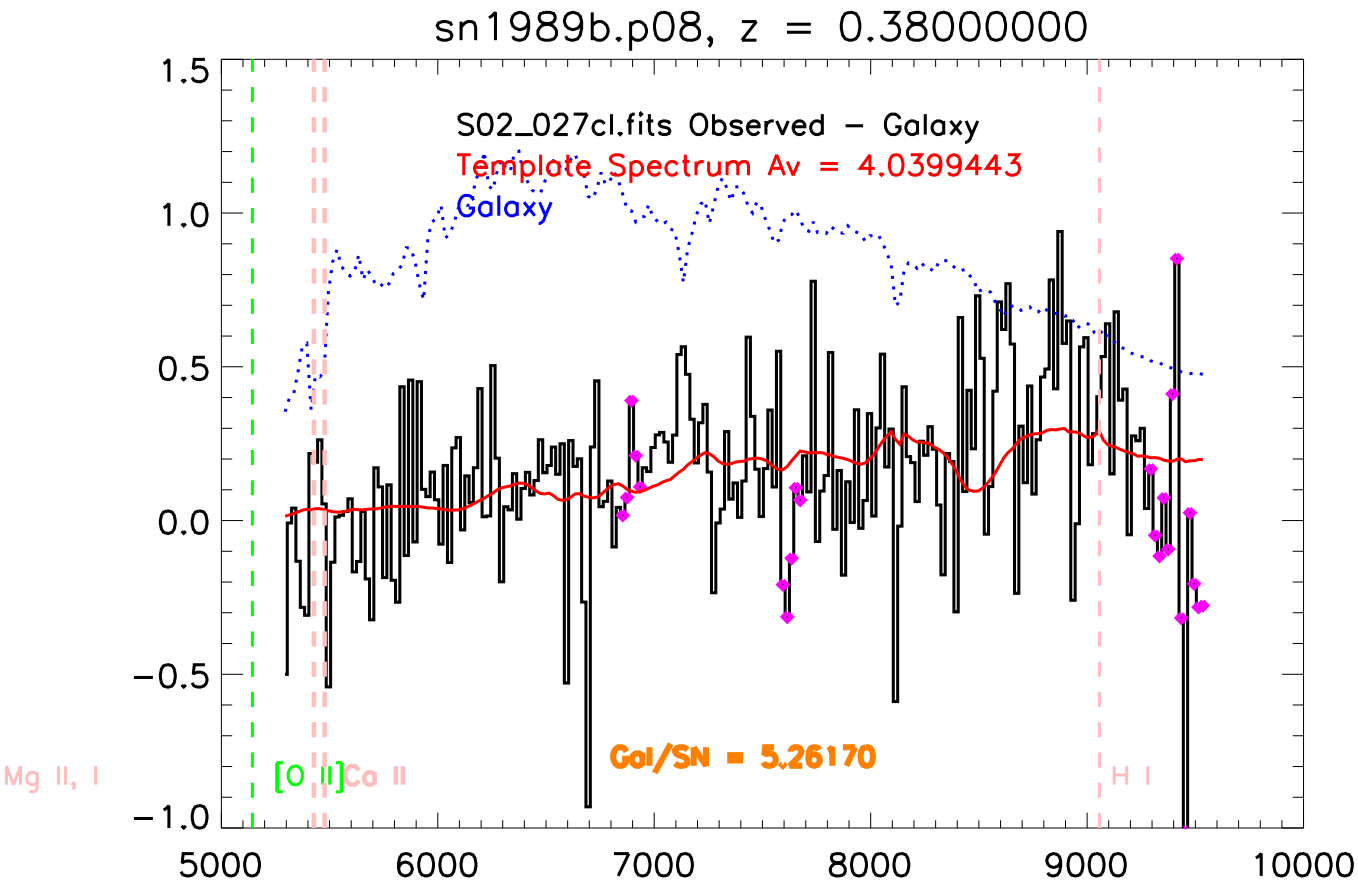
1.0
0.5
0.0
−0.5
−1.0
5000
6000
7000
8000
9000
10000


sn1994d.m03, z = 0.38000000
S02_027cl.fits Observed − Galaxy
Template Spectrum Av = 4.0399443
Galaxy
GoI/SN = 3.21512
Mg II, I
[O II]
Ca II
H I
1.5
1.0
0.5
0.0
−0.5
−1.0
5000
6000
7000
8000
9000
10000


sn1989b.p08, z = 0.38000000
S02_027cl.fits Observed − Galaxy
Template Spectrum Av = 4.0399443
Galaxy
GoI/SN = 5.26170
Mg II, I
[O II]
Ca II
H I
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1.0
0.5
0.0
−0.5
−1.0
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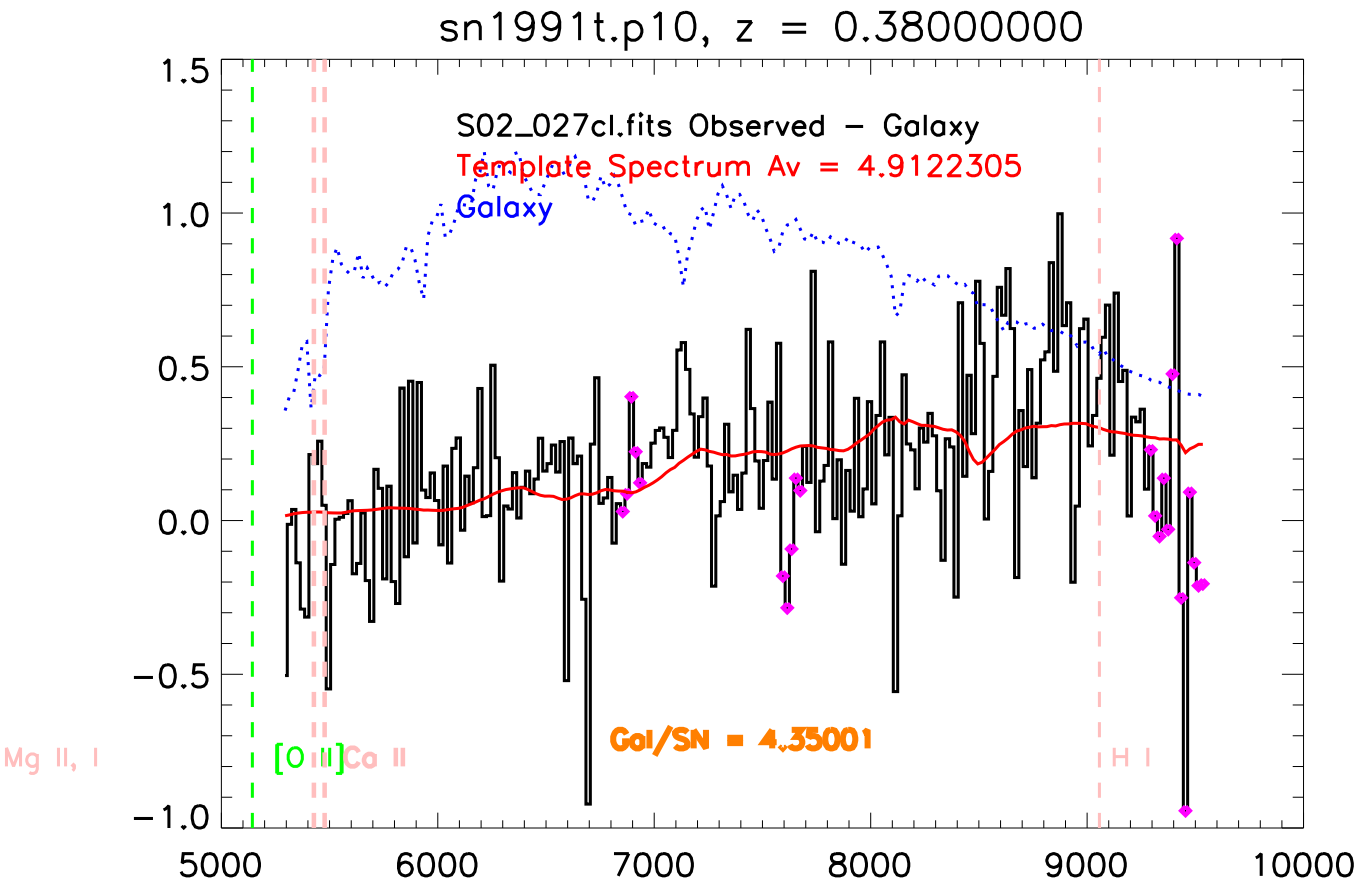
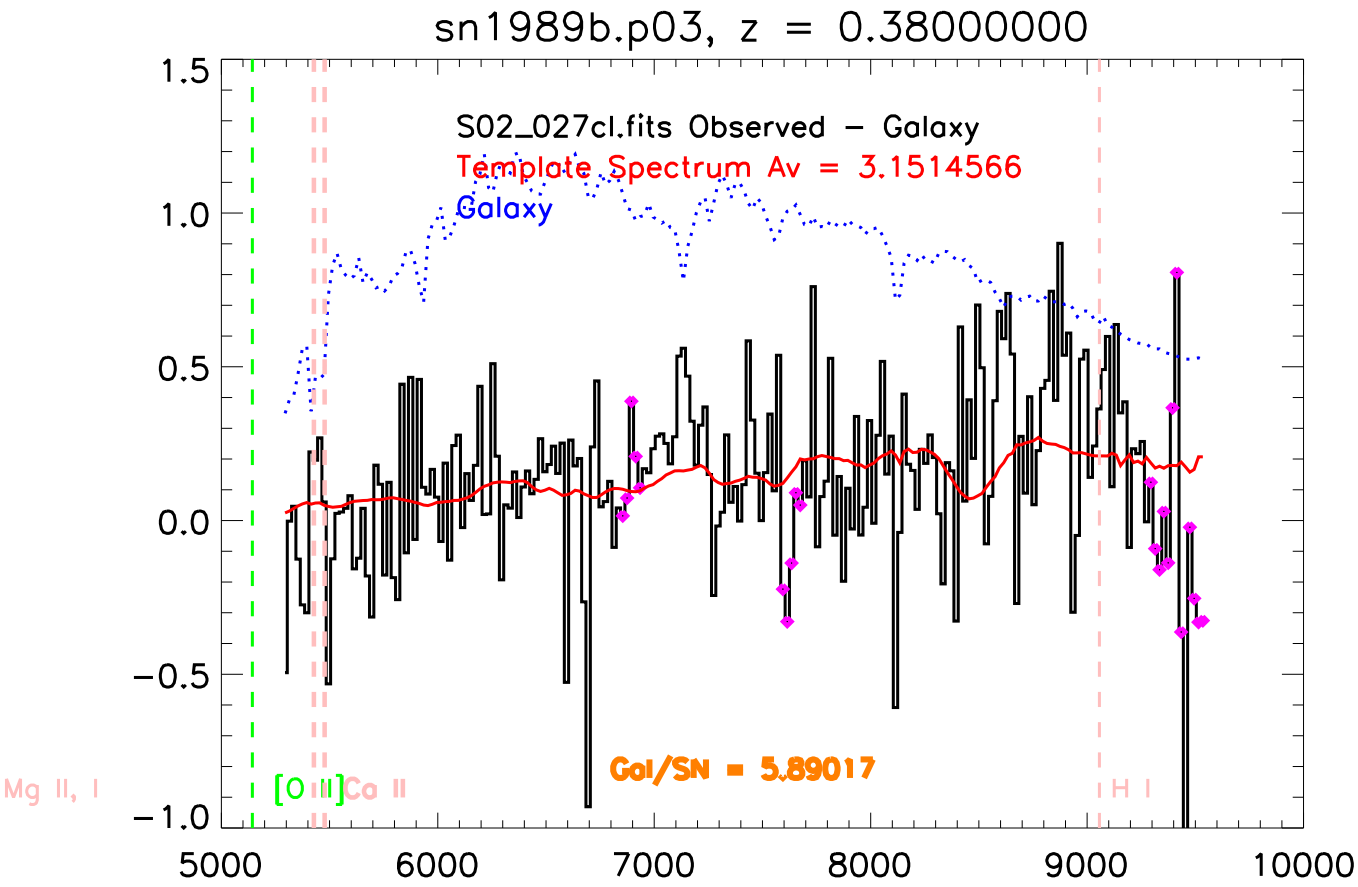
6000
7000
8000
9000
10000


sn1991t.p10, z = 0.38000000
S02_027cl.fits Observed − Galaxy
Template Spectrum Av = 4.9122305
Galaxy
GoI/SN = 4.35001
Mg II, I
[O II]
Ca II
H I
1.5
1.0
0.5
0.0
−0.5
−1.0
5000
6000
7000
8000
9000
10000


sn1989b.p03, z = 0.38000000
S02_027cl.fits Observed − Galaxy
Template Spectrum Av = 3.1514566
Galaxy
GoI/SN = 5.89017
Mg II, I
[O II]
Ca II
H I
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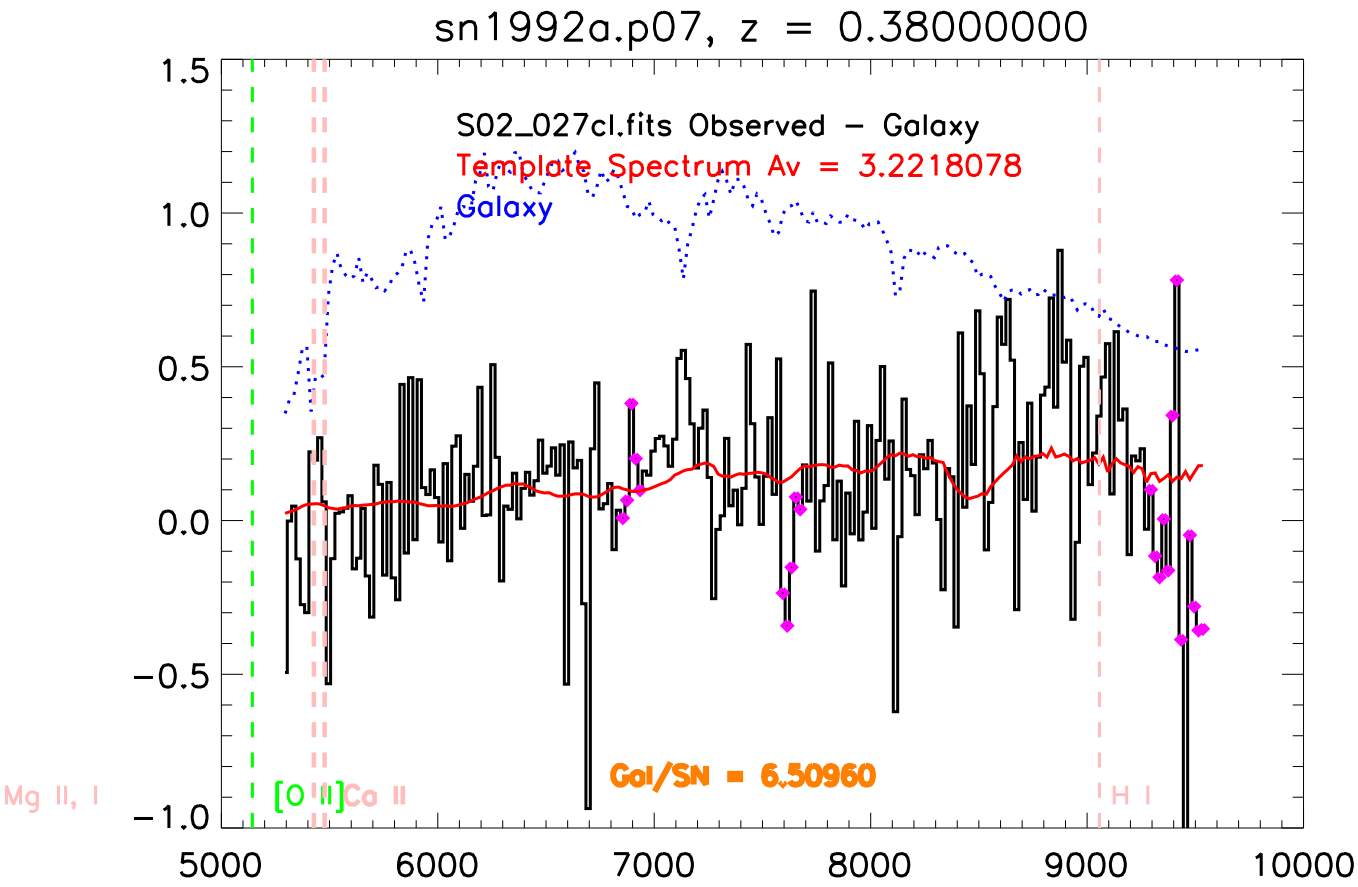
1.0
0.5
0.0
−0.5
−1.0
5000
6000
7000
8000
9000
10000


sn1992a.p07, z = 0.38000000
S02_027cl.fits Observed − Galaxy
Template Spectrum Av = 3.2218078
Galaxy
Gal/SN = 6.50960
Mg II, I
[O II]
Ca II
H I
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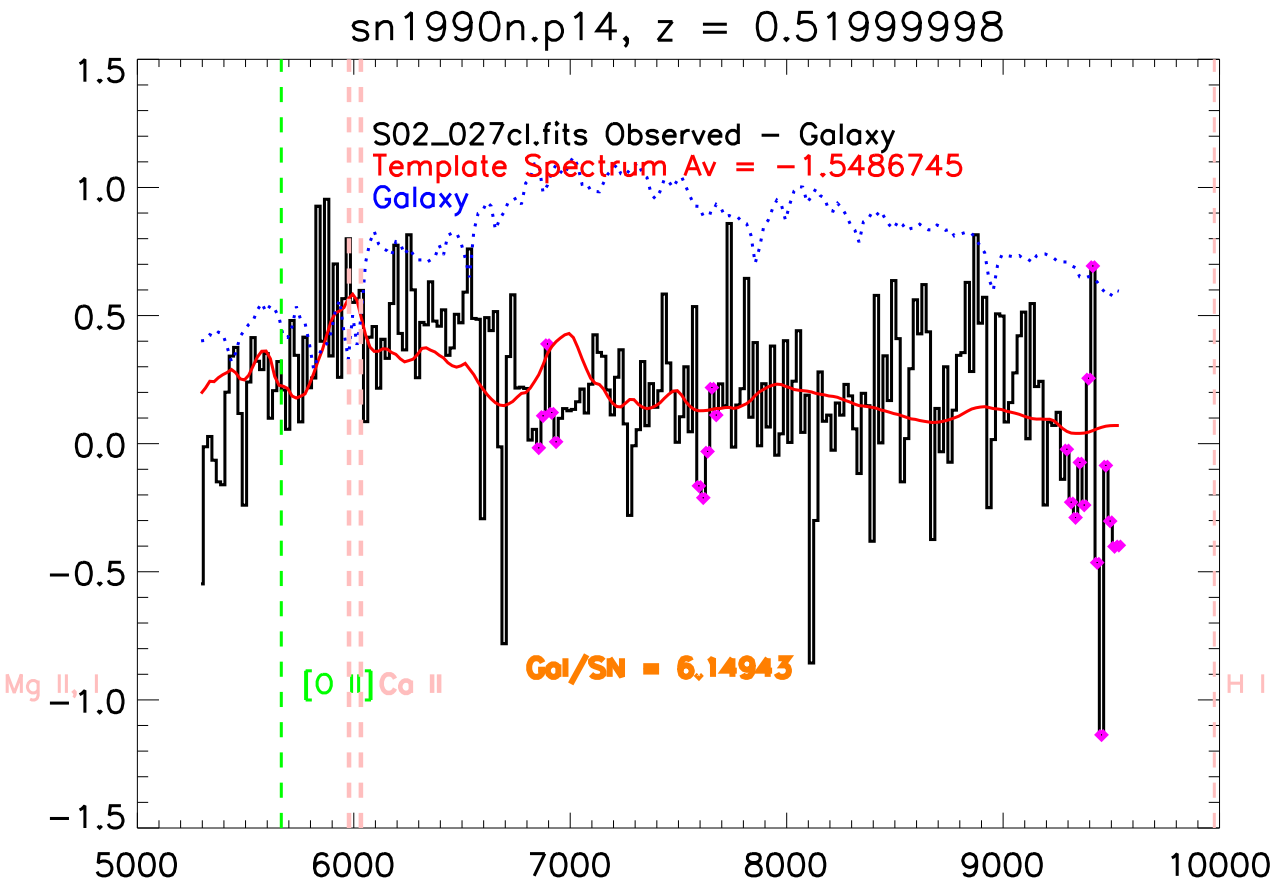
1.0
0.5
0.0
−0.5
−1.0
5000
6000
7000
8000
9000
10000


sn1990n.p14, z = 0.51999998
S02_027cl.fits Observed − Galaxy
Template Spectrum Av = −1.5486745
Galaxy
GoI/SN = 6.14943
Mg II
[O II]
Ca II
H I
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
5000
6000
7000
8000
9000
10000