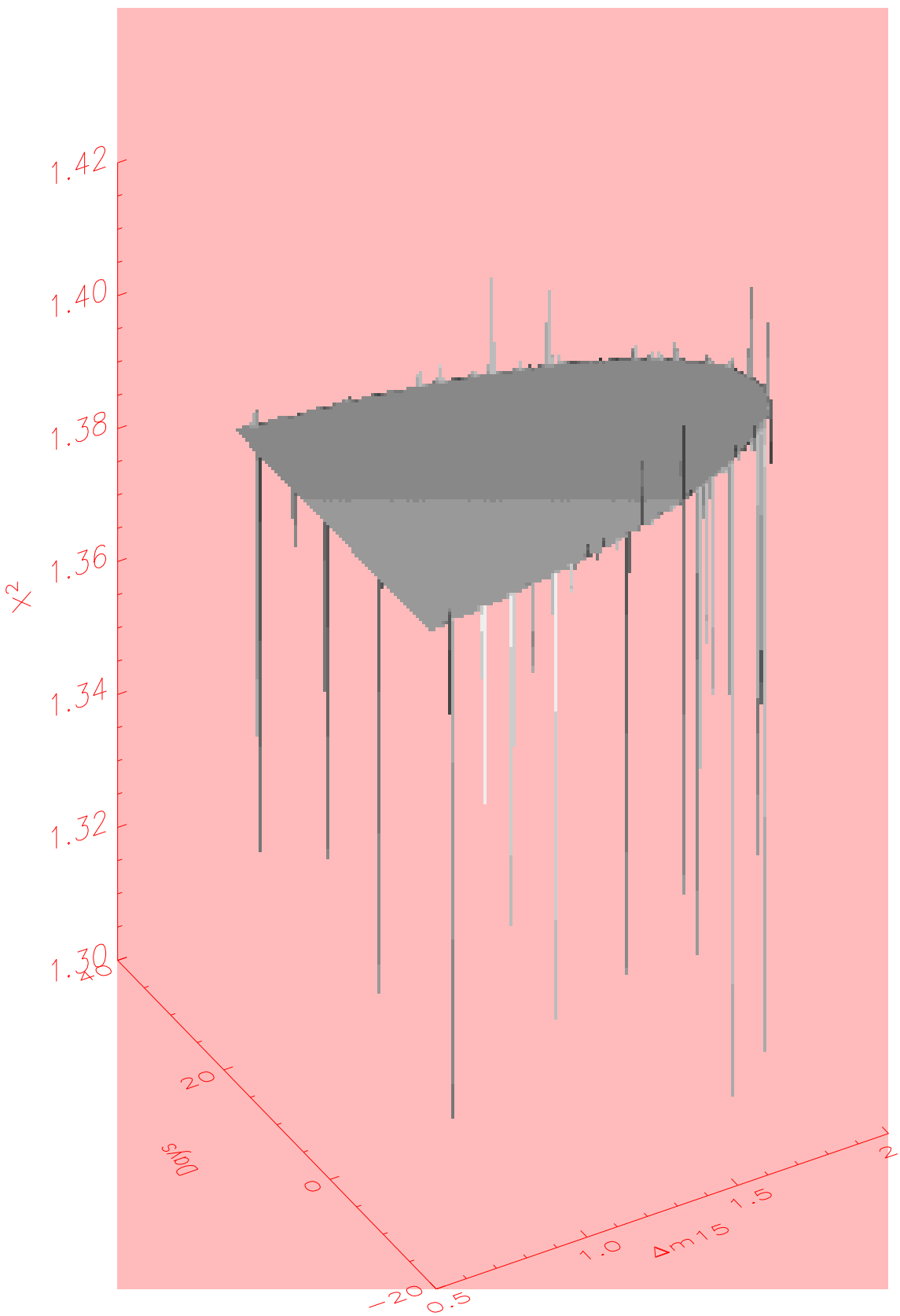
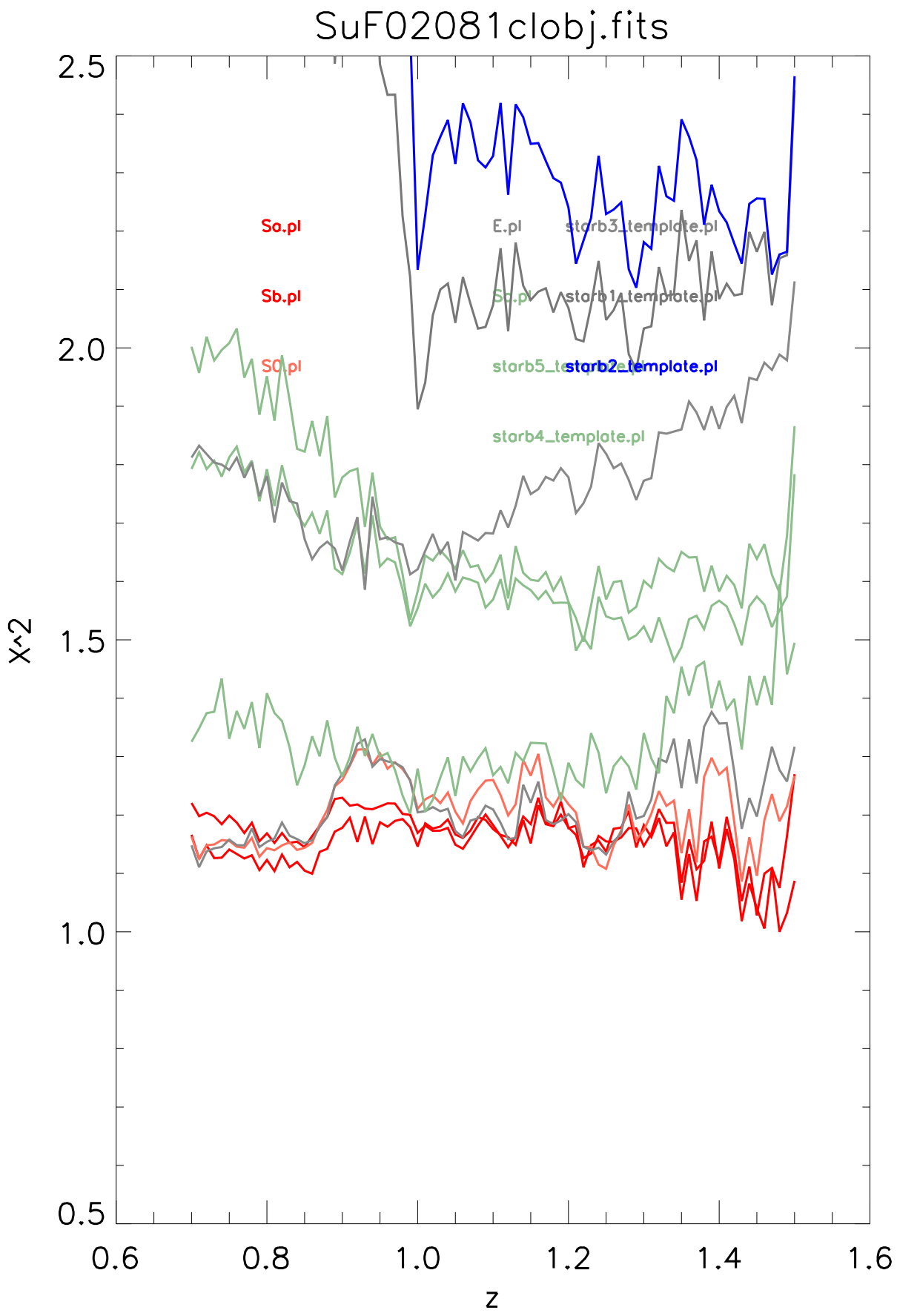
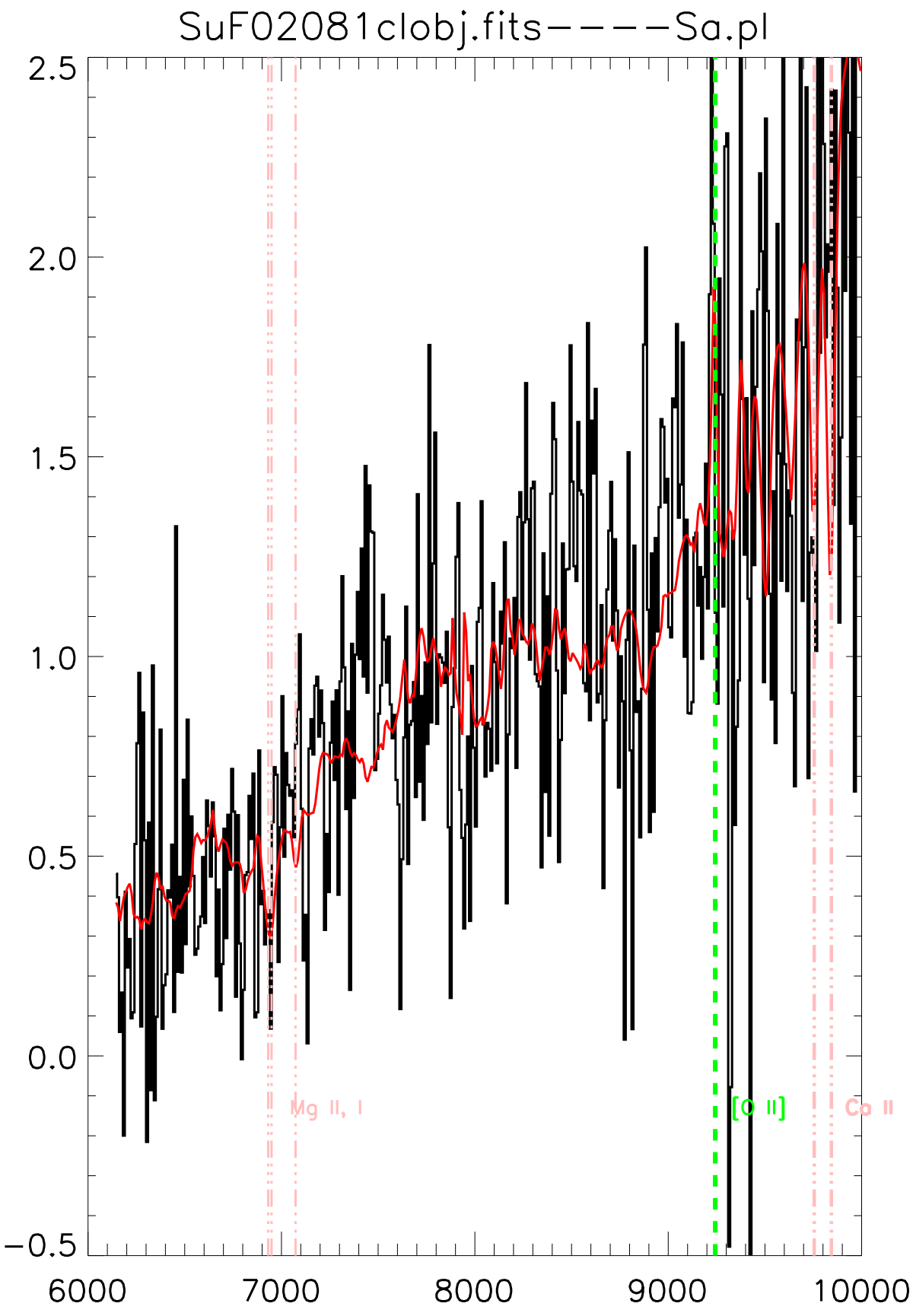
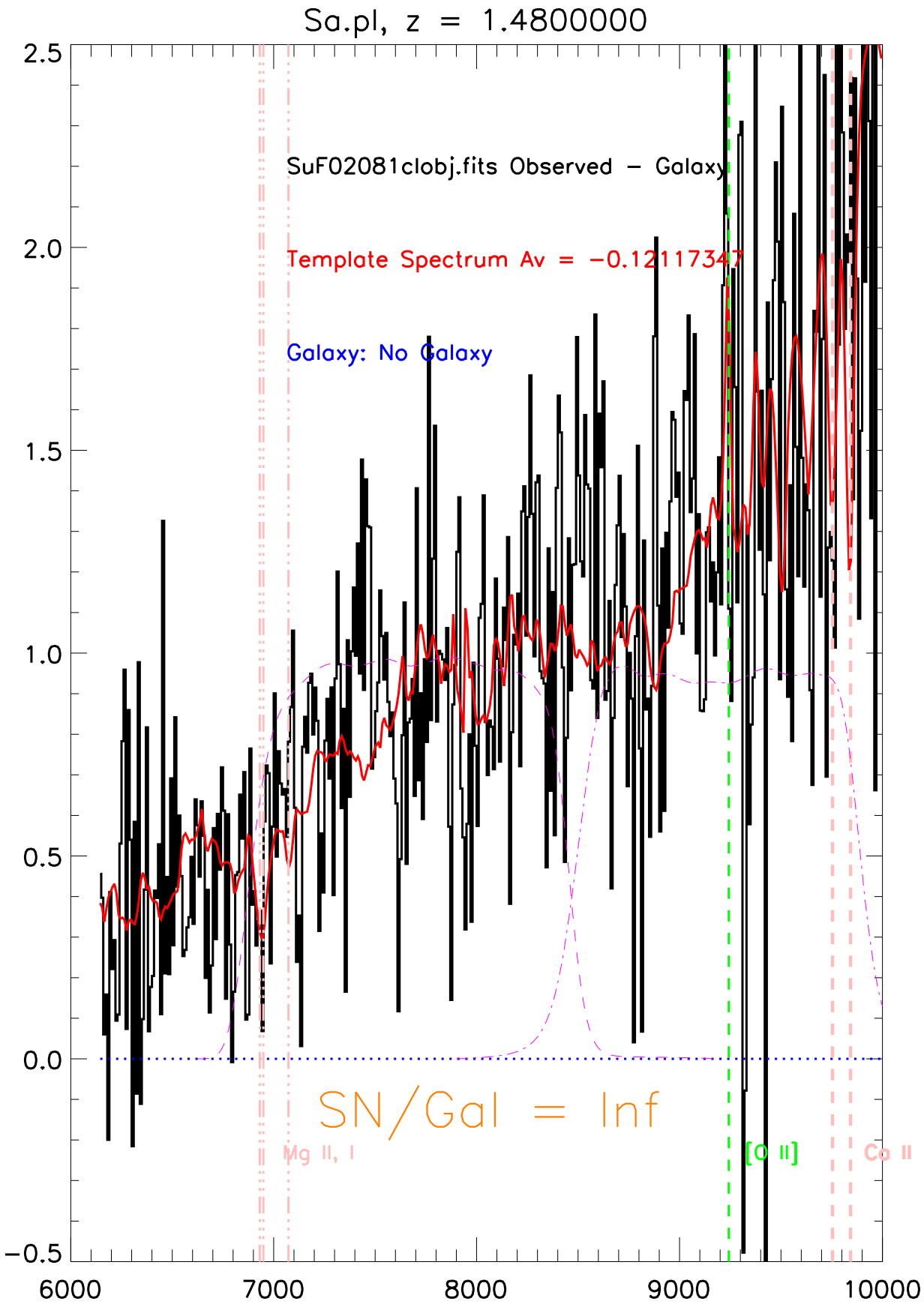
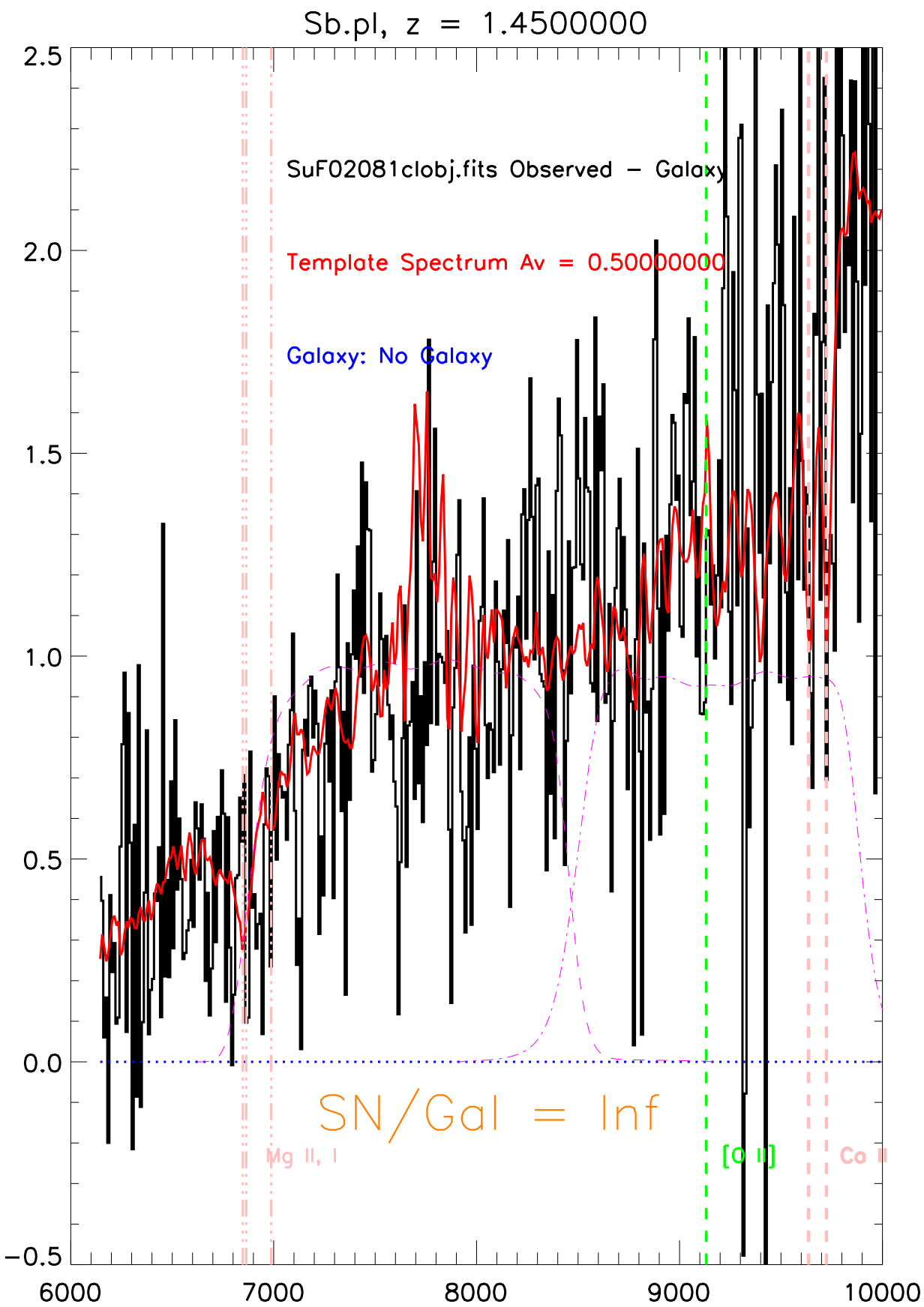


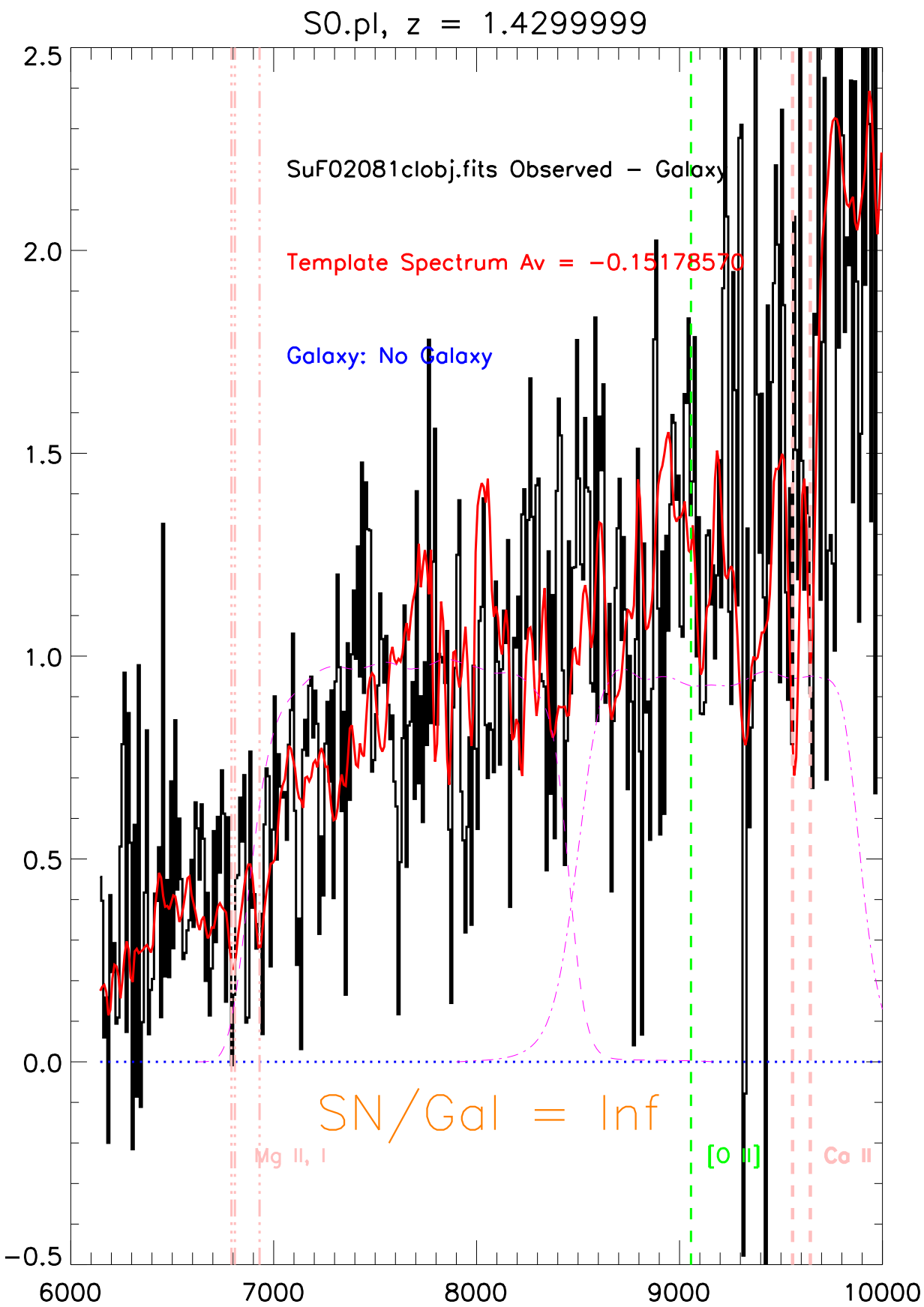
1.42
1.40
1.38
1.36
1.34
1.32
1.30
χ^2
40
20
0
−20
Days
0.5
1.0
1.5
2.0
Δm15

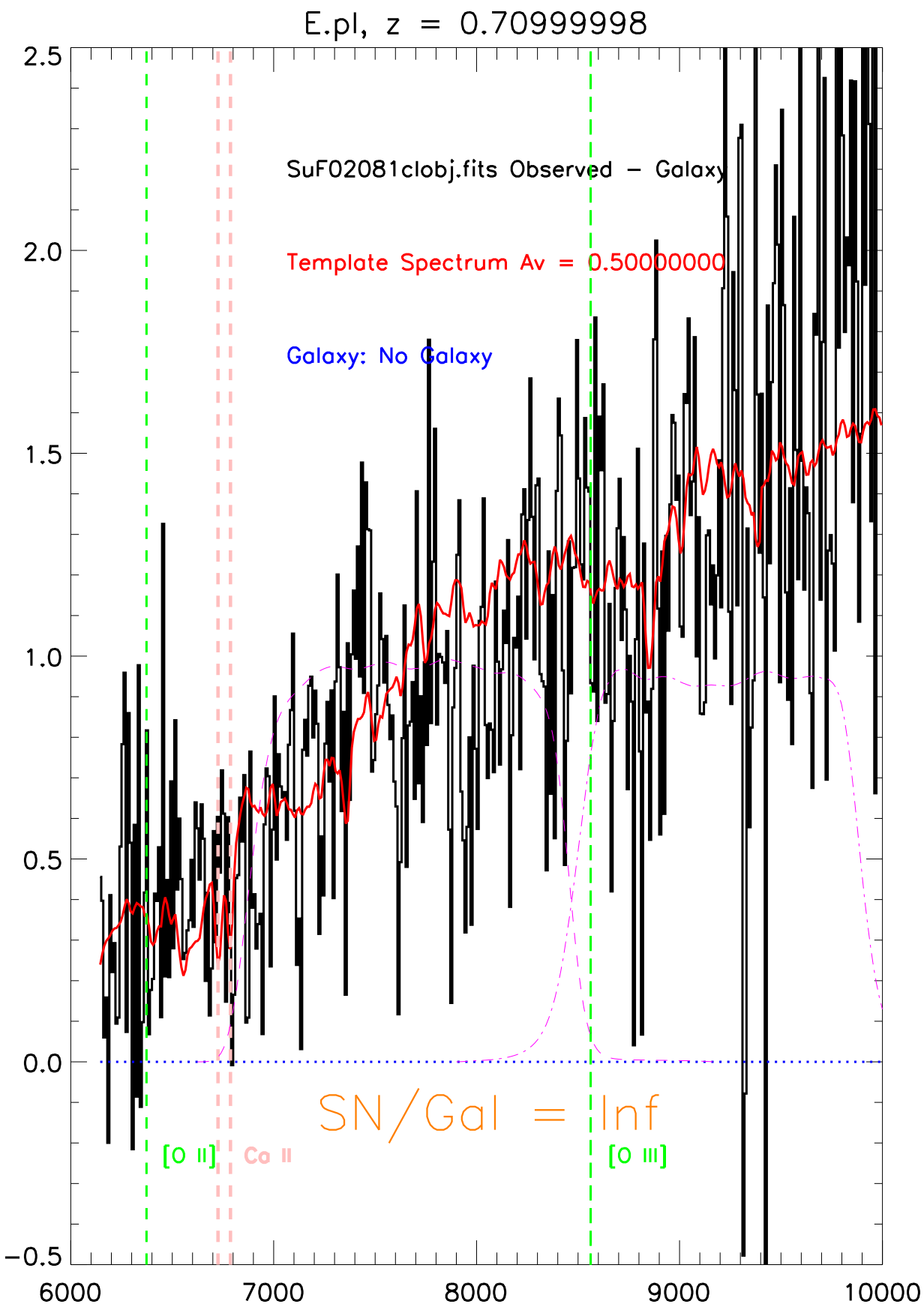

SuF02081clobj.fits
Sa.pl
Sb.pl
S0.pl
E.pl
Sc.pl
starb5_template.pl
starb4_template.pl
starb3_template.pl
starb1_template.pl
starb2_template.pl
X^2
z
2.5
2.0
1.5
1.0
0.5
0.6
0.8
1.0
1.2
1.4
1.6

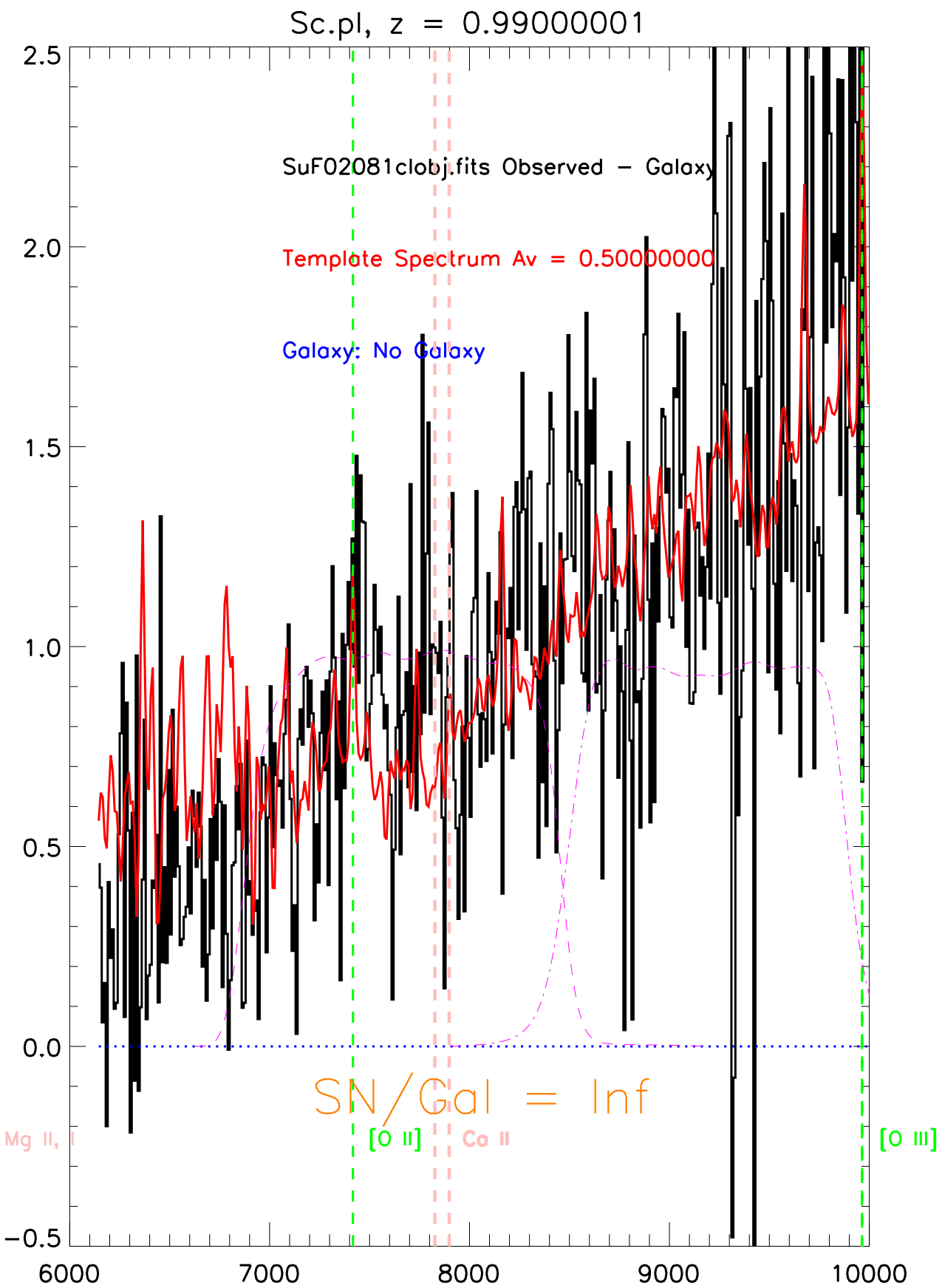

SuF02081clobj.fits----Sa.pl
2.5
2.0
1.5
1.0
0.5
0.0
−0.5
6000
7000
8000
9000
10000
Mg II, I
[O II]
Ca II

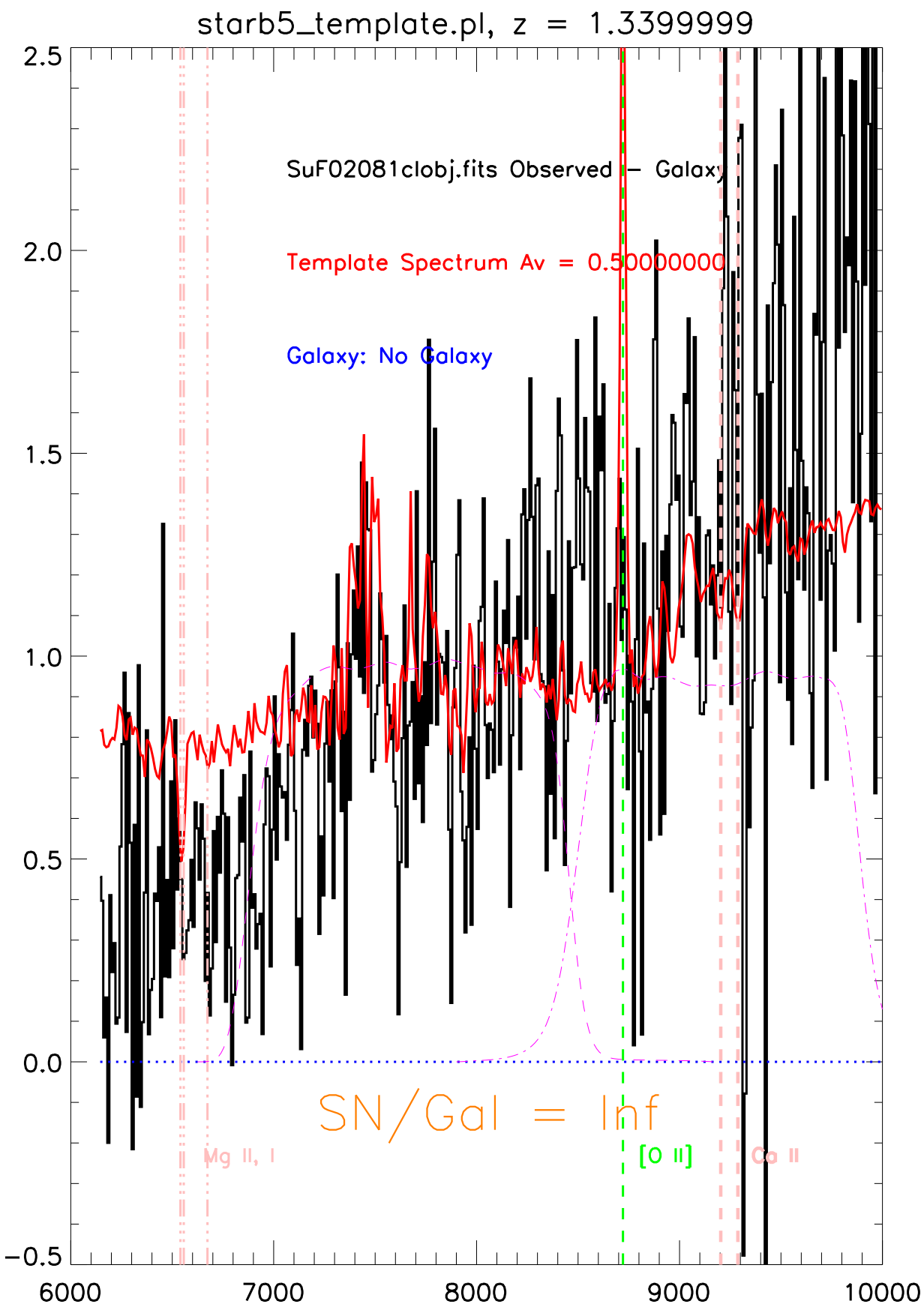

Sa.pl, z = 1.4800000
SuF02081clobj.fits Observed – Galaxy
Template Spectrum Av = −0.12117347
Galaxy: No Galaxy
SN/Gal = Inf
Mg II, I
[O II]
Ca II
2.5
2.0
1.5
1.0
0.5
0.0
−0.5
6000
7000
8000
9000
10000

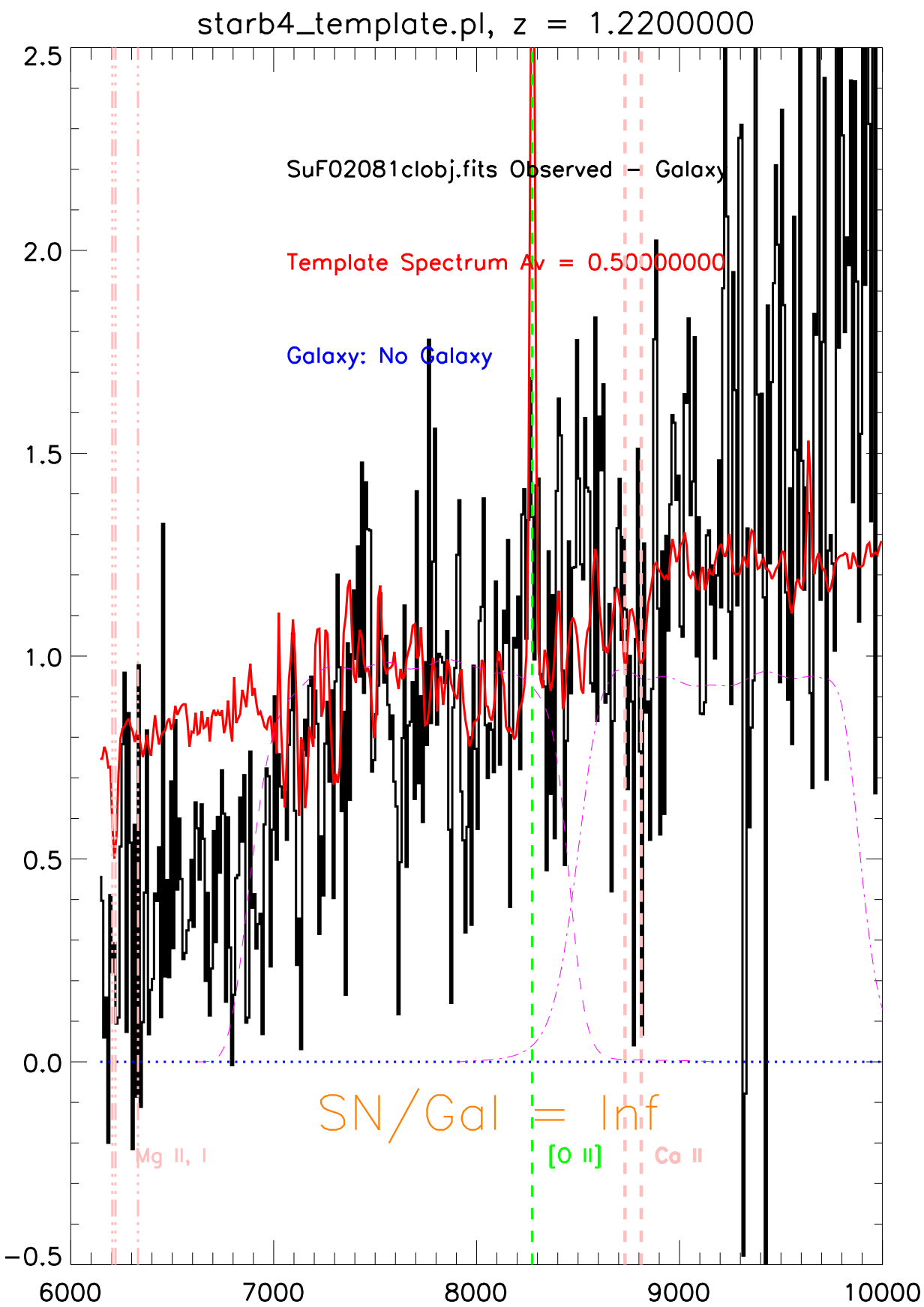

Sb.pl, z = 1.4500000
SuF02081clobj.fits Observed − Galaxy
Template Spectrum Av = 0.50000000
Galaxy: No Galaxy
SN/Gal = Inf
Mg II, I
[O II]
Ca II
2.5
2.0
1.5
1.0
0.5
0.0
−0.5
6000
7000
8000
9000
10000

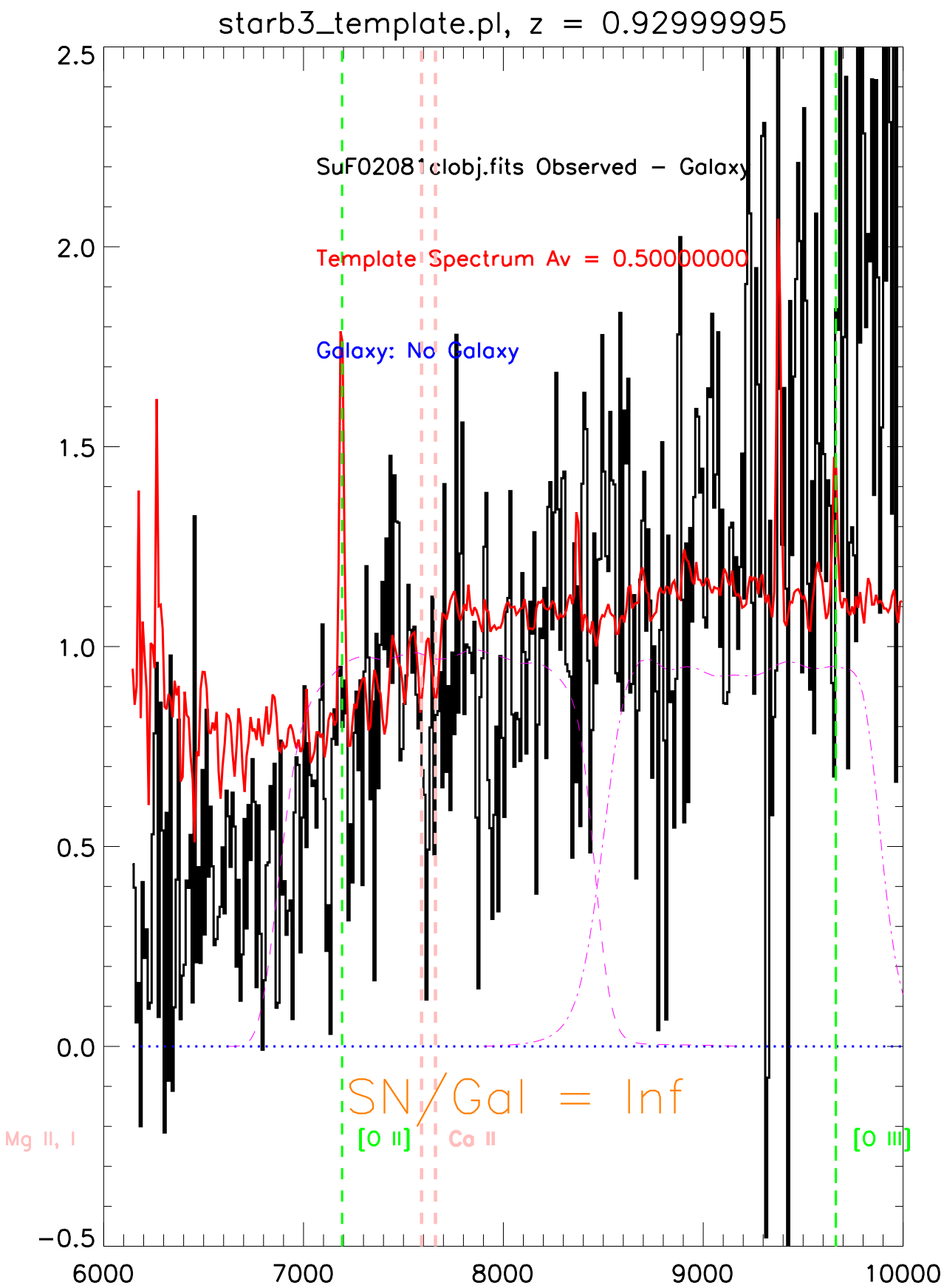

S0.pl, z = 1.4299999
SuF02081clobj.fits Observed − Galaxy
Template Spectrum Av = −0.15178570
Galaxy: No Galaxy
SN/Gal = Inf
Mg II, I
[O II]
Ca II
2.5
2.0
1.5
1.0
0.5
0.0
−0.5
6000
7000
8000
9000
10000

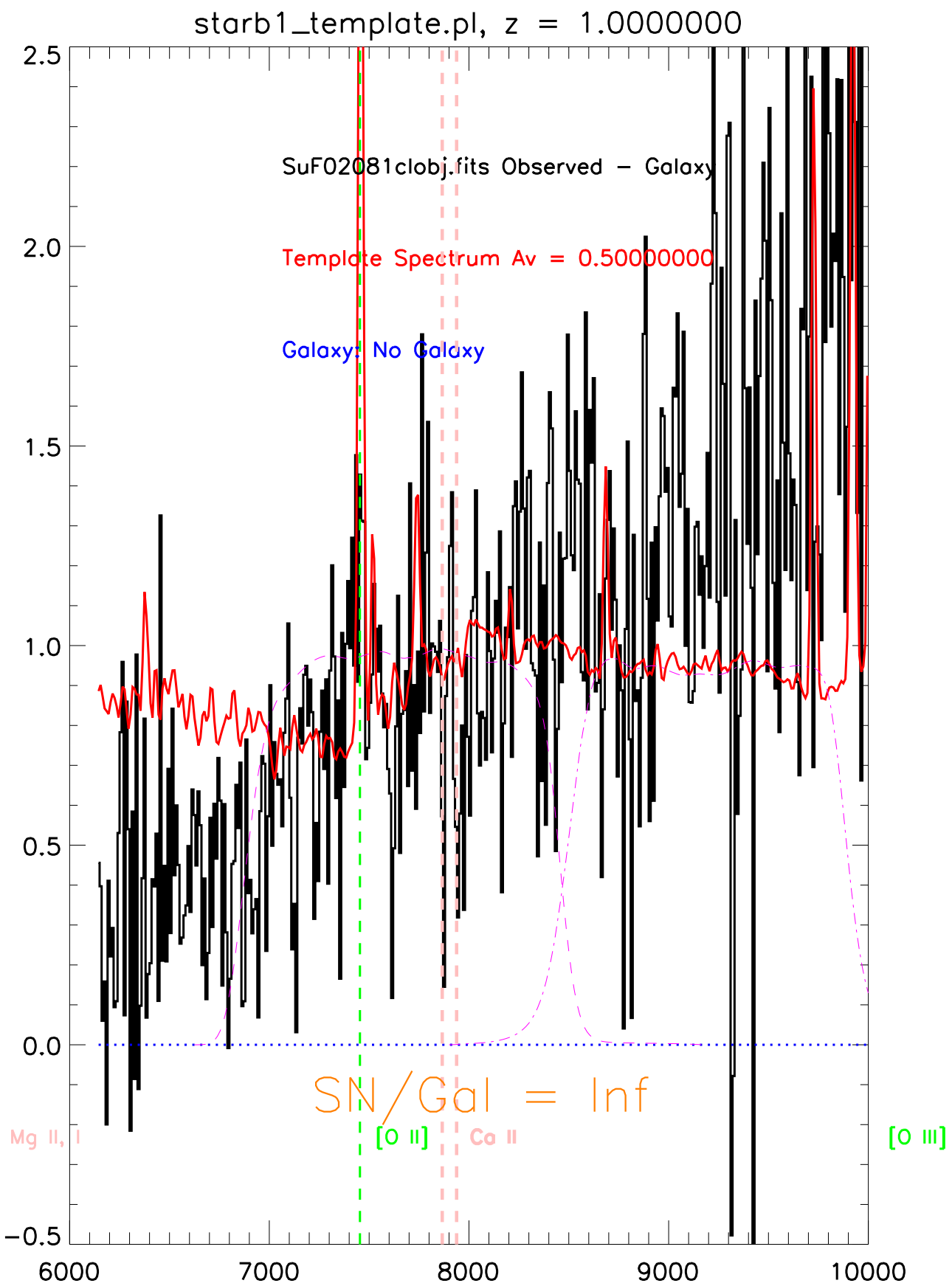

E.pl, z = 0.70999998
SuF02081clobj.fits Observed − Galaxy
Template Spectrum Av = 0.50000000
Galaxy: No Galaxy
SN/Gal = Inf
[O II]
Ca II
[O III]
Mg II, I
2.5
2.0
1.5
1.0
0.5
0.0
−0.5
6000
7000
8000
9000
10000

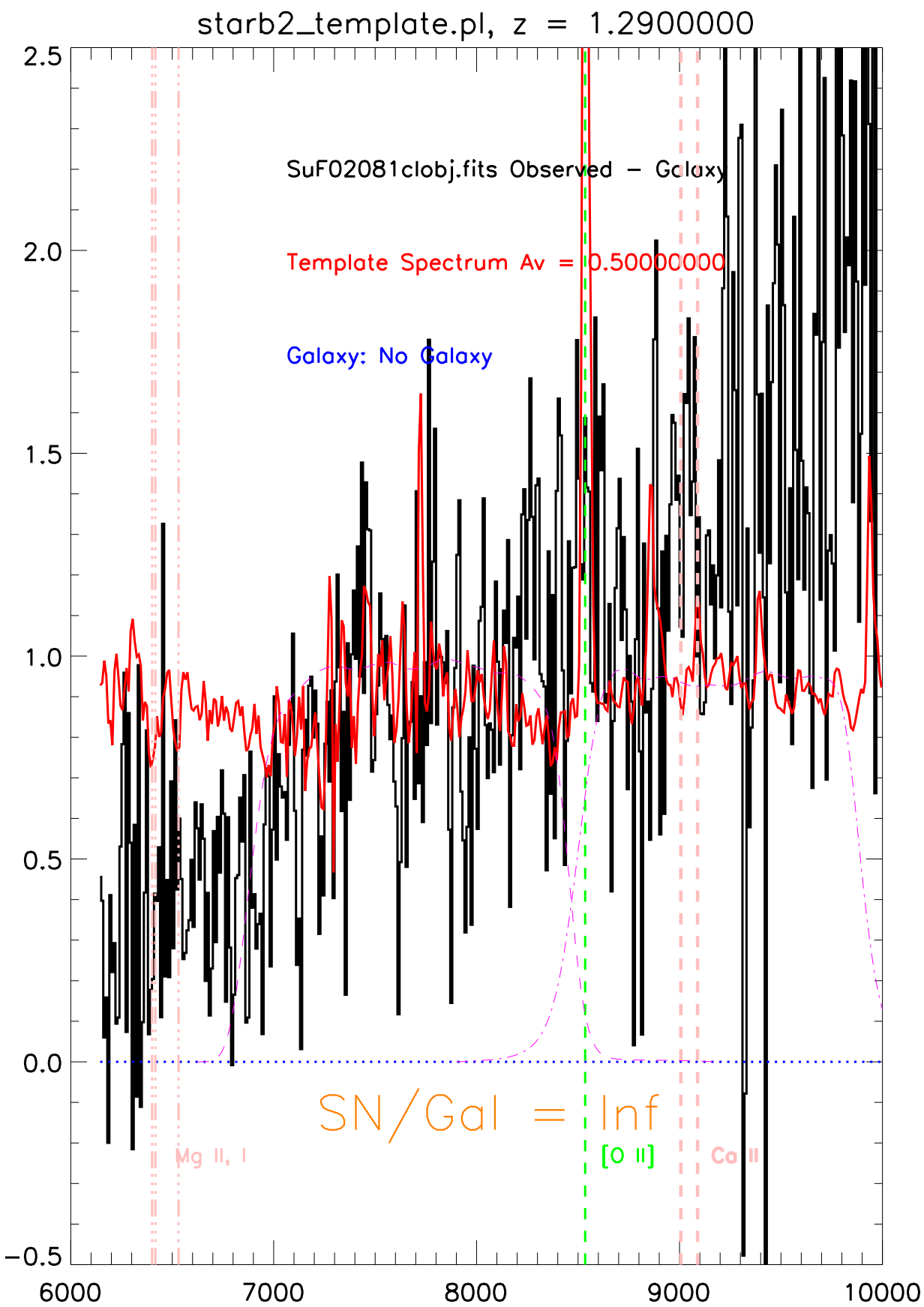

Sc.pl, z = 0.99000001
SuF02081clobj.fits Observed – Galaxy
Template Spectrum Av = 0.50000000
Galaxy: No Galaxy
SN/Gal = Inf
Mg II, I
[O II]
Ca II
[O III]
2.5
2.0
1.5
1.0
0.5
0.0
−0.5
6000
7000
8000
9000
10000


starb5_template.pl, z = 1.3399999
SuF02081clobj.fits Observed − Galaxy
Template Spectrum Av = 0.50000000
Galaxy: No Galaxy
SN/Gal = Inf
Mg II, I
[O II]
Ca II
2.5
2.0
1.5
1.0
0.5
0.0
−0.5
6000
7000
8000
9000
10000


starb4_template.pl, z = 1.2200000
SuF02081clobj.fits Observed – Galaxy
Template Spectrum Av = 0.50000000
Galaxy: No Galaxy
SN/Gal = Inf
Mg II, I
[O II]
Ca II
2.5
2.0
1.5
1.0
0.5
0.0
−0.5
6000
7000
8000
9000
10000


starb3_template.pl, z = 0.92999995
SuF02081clobj.fits Observed − Galaxy
Template Spectrum Av = 0.50000000
Galaxy: No Galaxy
SN/Gal = Inf
Mg II, I
[O II]
Ca II
[O III]
2.5
2.0
1.5
1.0
0.5
0.0
−0.5
6000
7000
8000
9000
10000


starb1_template.pl, z = 1.0000000
SuF02081clobj.fits Observed − Galaxy
Template Spectrum Av = 0.50000000
Galaxy: No Galaxy
SN/Gal = Inf
Mg II, I
[O II]
Ca II
[O III]
2.5
2.0
1.5
1.0
0.5
0.0
−0.5
6000
7000
8000
9000
10000


starb2_template.pl, z = 1.2900000
SuF02081clobj.fits Observed – Galaxy
Template Spectrum Av = 0.50000000
Galaxy: No Galaxy
SN/Gal = Inf
Mg II, I
[O II]
Ca II
2.5
2.0
1.5
1.0
0.5
0.0
−0.5
6000
7000
8000
9000
10000