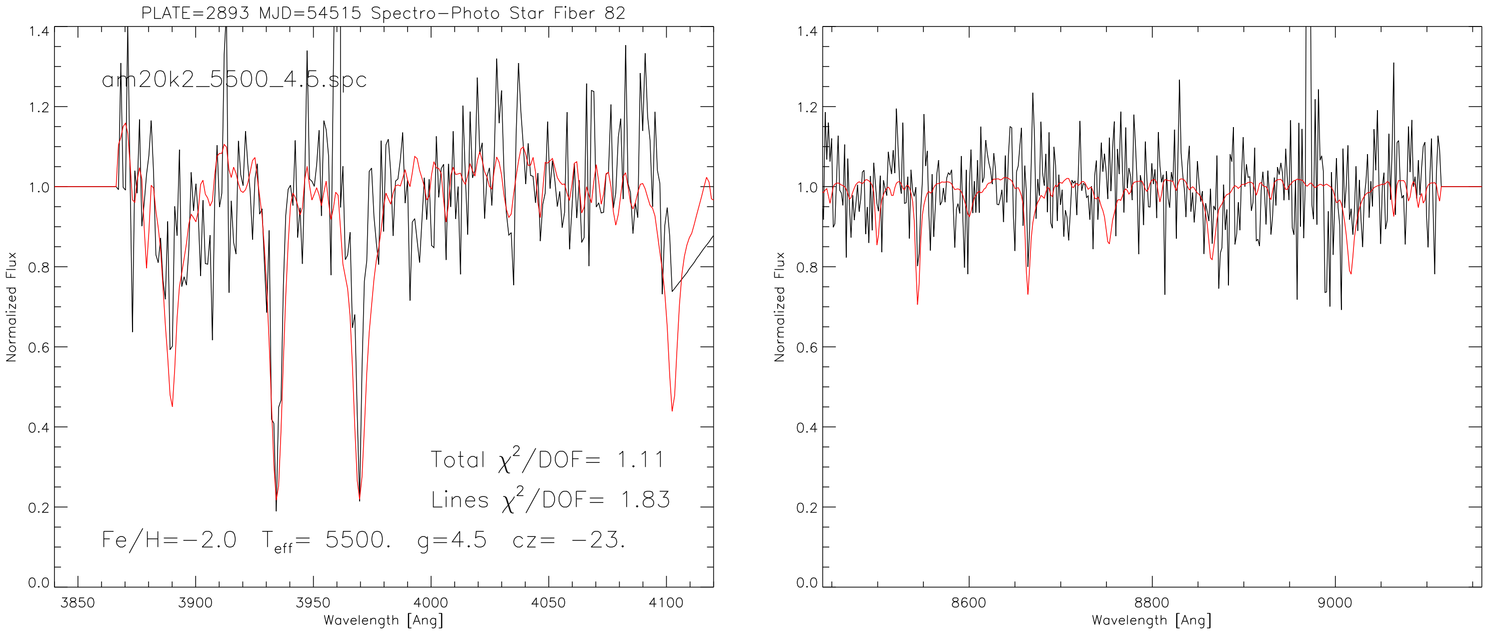
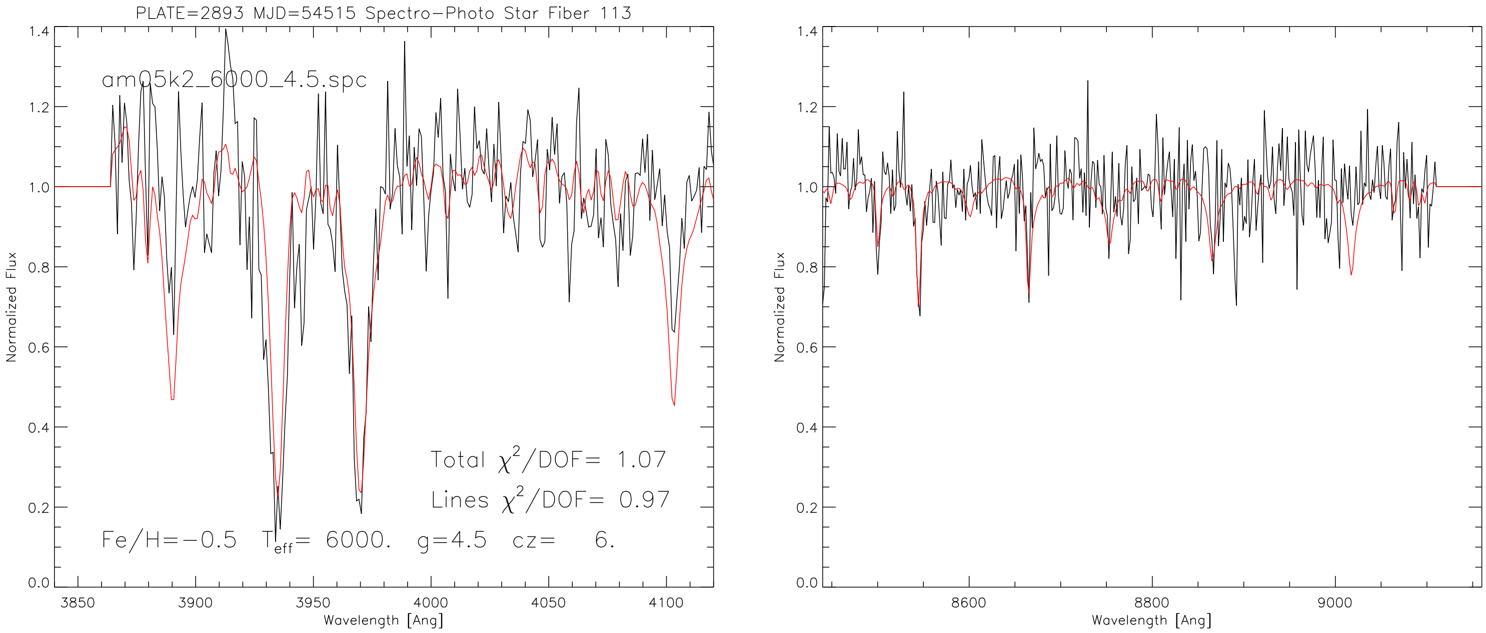
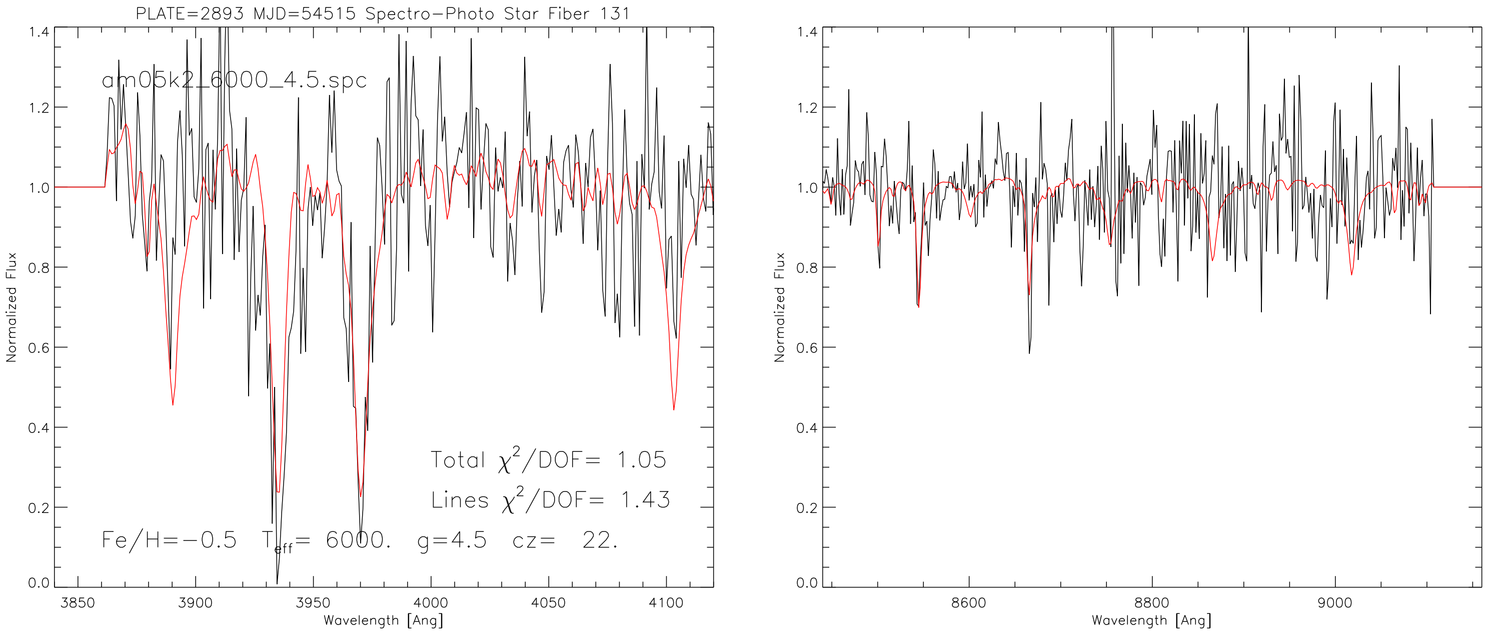
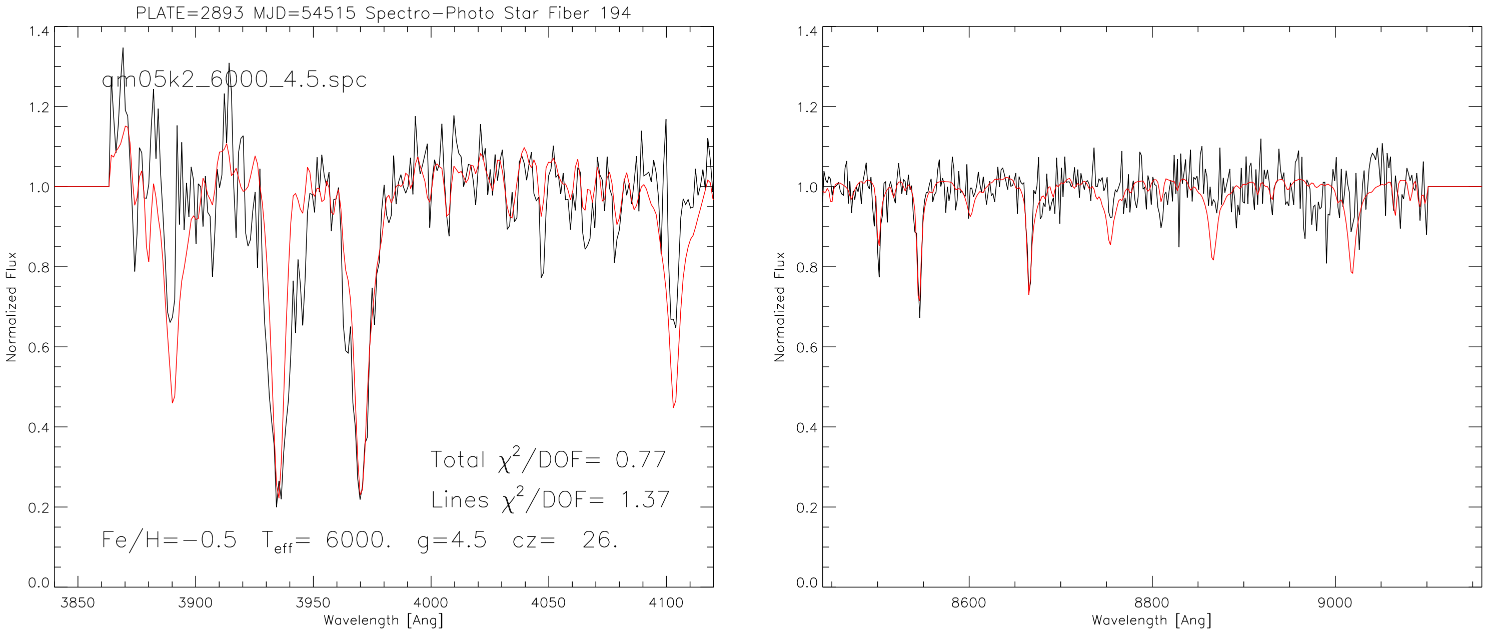
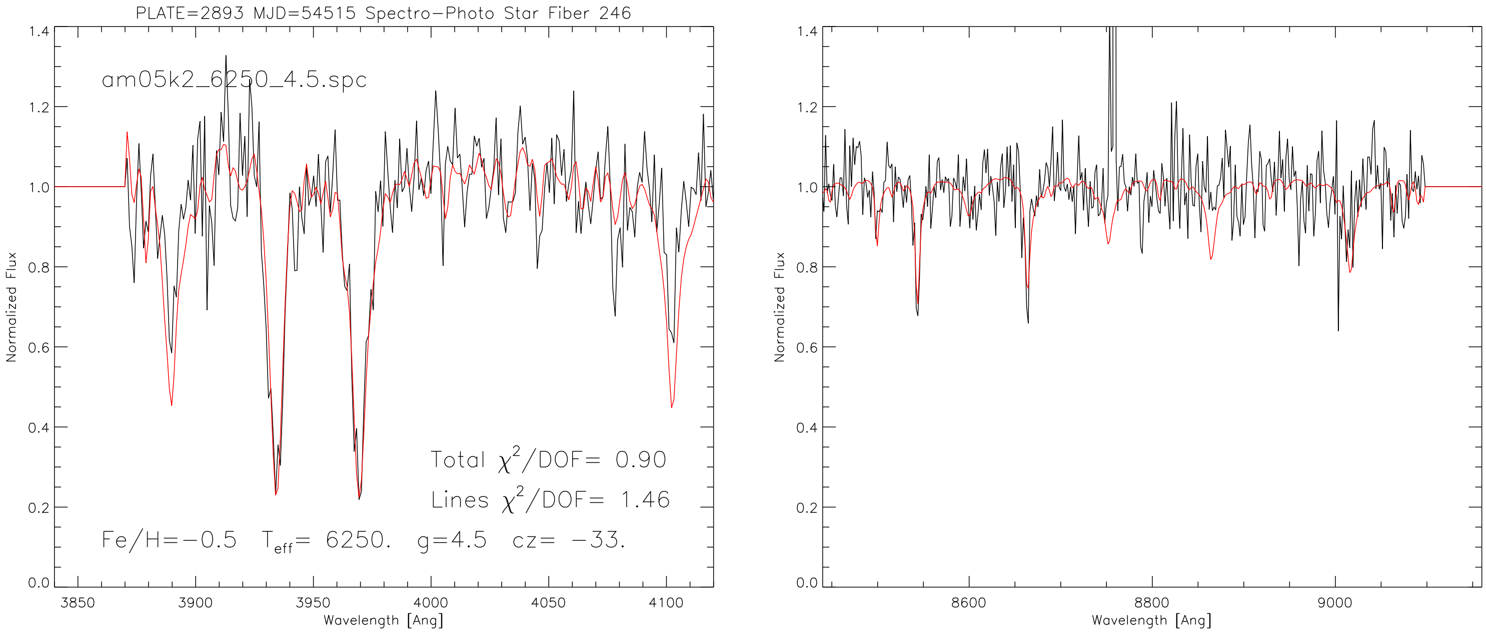
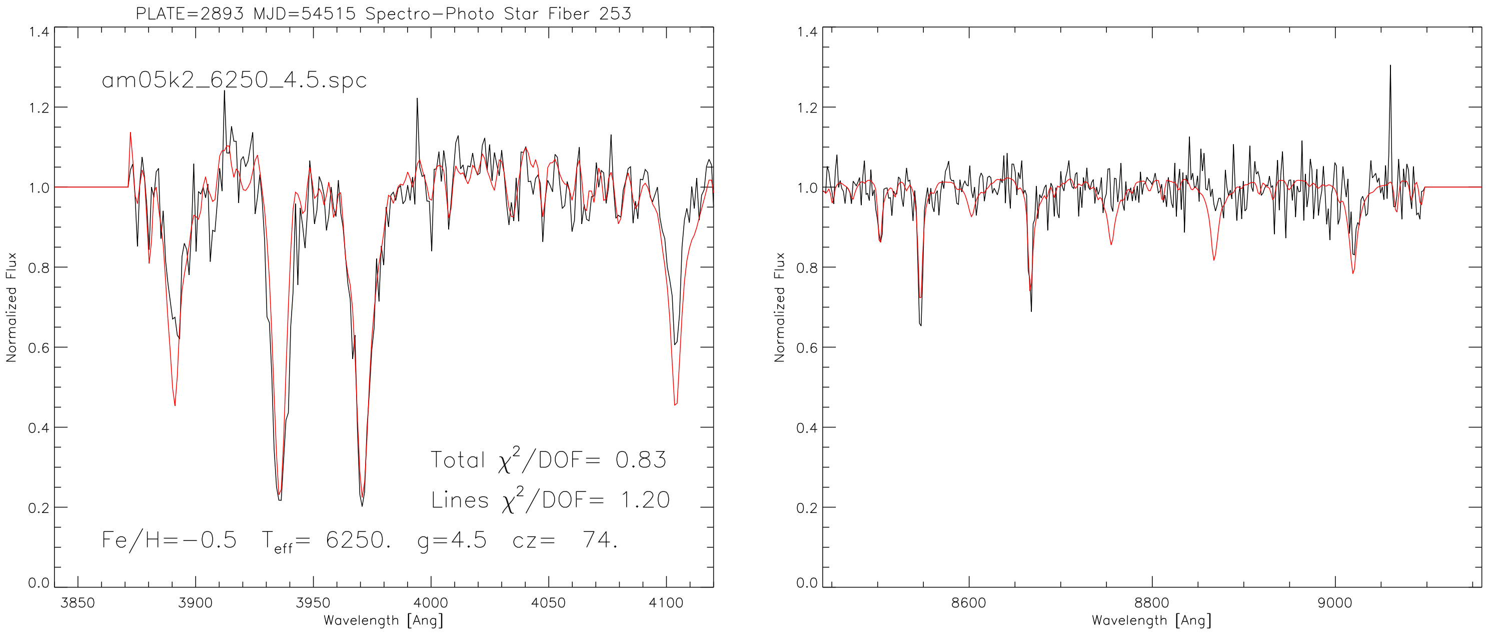

PLATE=2893 MJD=54515 Spectro−Photo Star Fiber 82
am20k2_5500_4.5.spc
Total χ²/DOF= 1.11
Lines χ²/DOF= 1.83
Fe/H=−2.0 T_eff= 5500. g=4.5 cz= −23.
Normalized Flux
0.0
0.2
0.4
0.6
0.8
1.0
1.2
1.4
3850
3900
3950
4000
4050
4100
Wavelength [Ang]
8600
8800
9000
Wavelength [Ang]

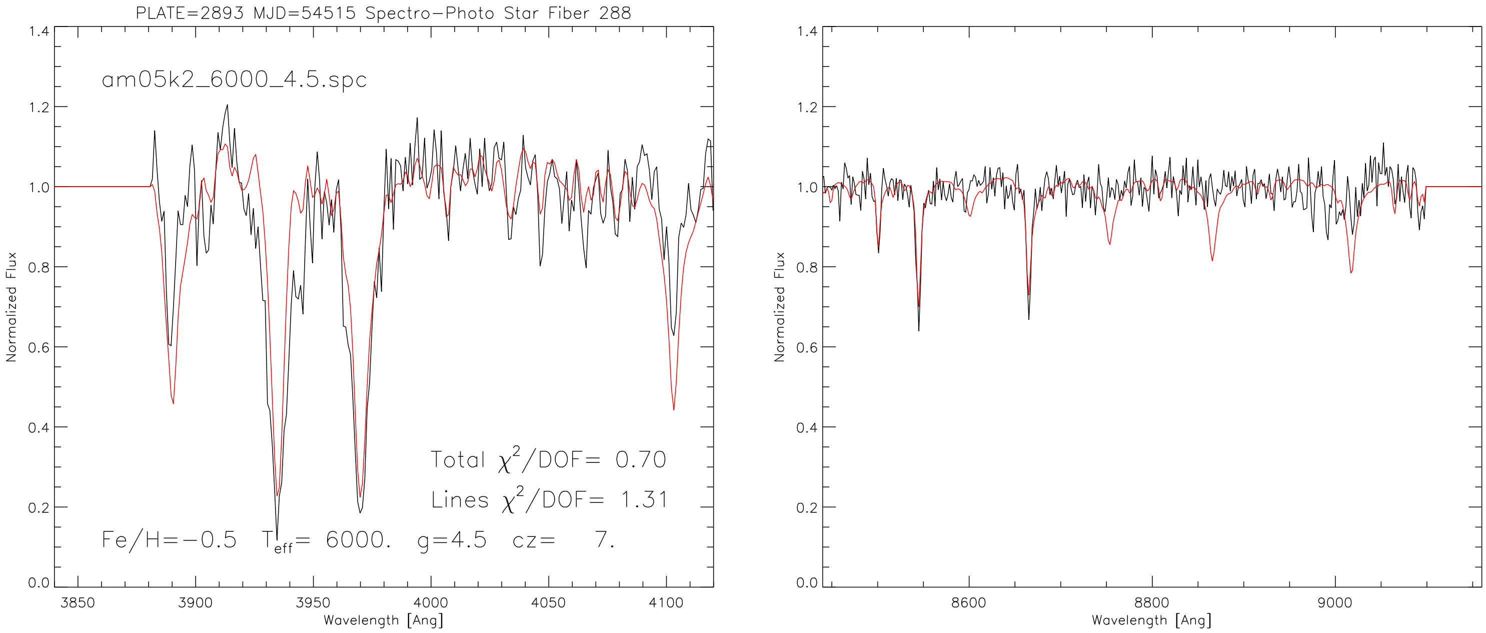

PLATE=2893 MJD=54515 Spectro−Photo Star Fiber 113
am05k2_6000_4.5.spc
Total χ²/DOF= 1.07
Lines χ²/DOF= 0.97
Fe/H=−0.5 T_eff= 6000. g=4.5 cz= 6.
Normalized Flux
0.0
0.2
0.4
0.6
0.8
1.0
1.2
1.4
3850
3900
3950
4000
4050
4100
Wavelength [Ang]
8600
8800
9000
Wavelength [Ang]

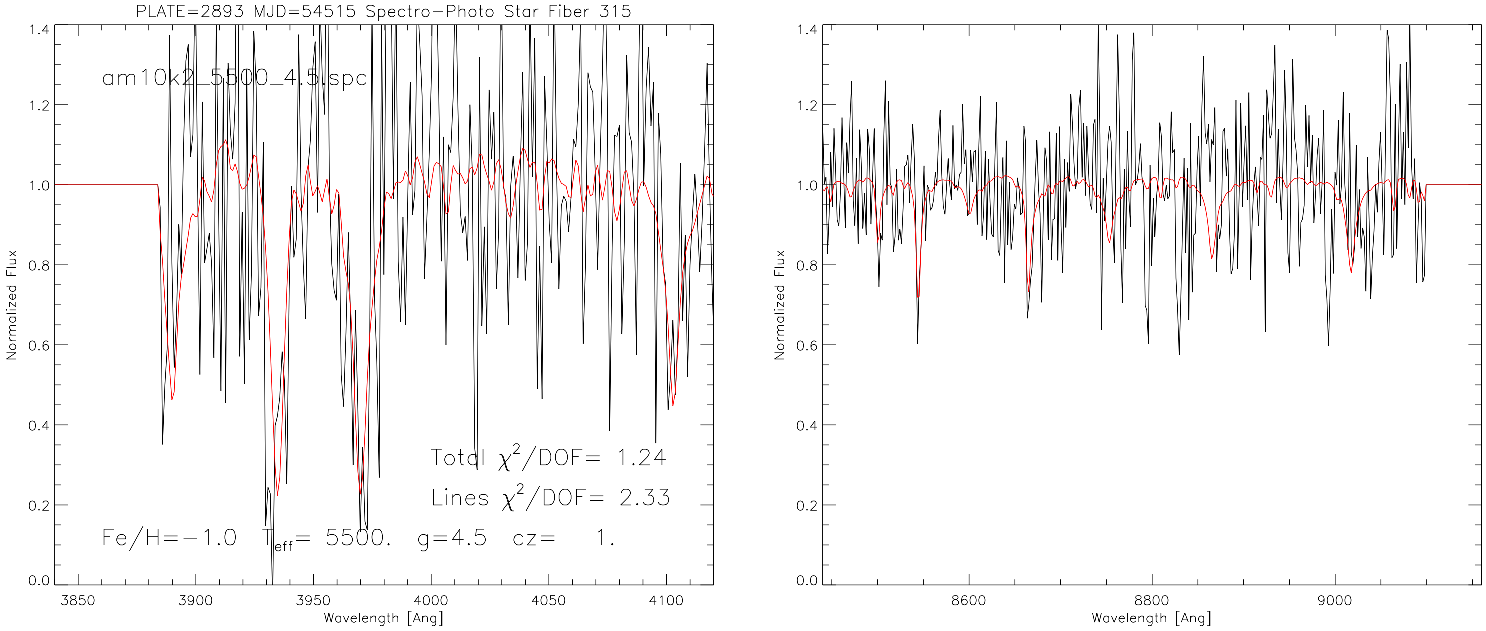

PLATE=2893 MJD=54515 Spectro−Photo Star Fiber 131
am05k2_6000_4.5.spc
Total χ²/DOF= 1.05
Lines χ²/DOF= 1.43
Fe/H=−0.5 T_eff= 6000. g=4.5 cz= 22.
Normalized Flux
0.0
0.2
0.4
0.6
0.8
1.0
1.2
1.4
3850
3900
3950
4000
4050
4100
Wavelength [Ang]
8600
8800
9000
Wavelength [Ang]

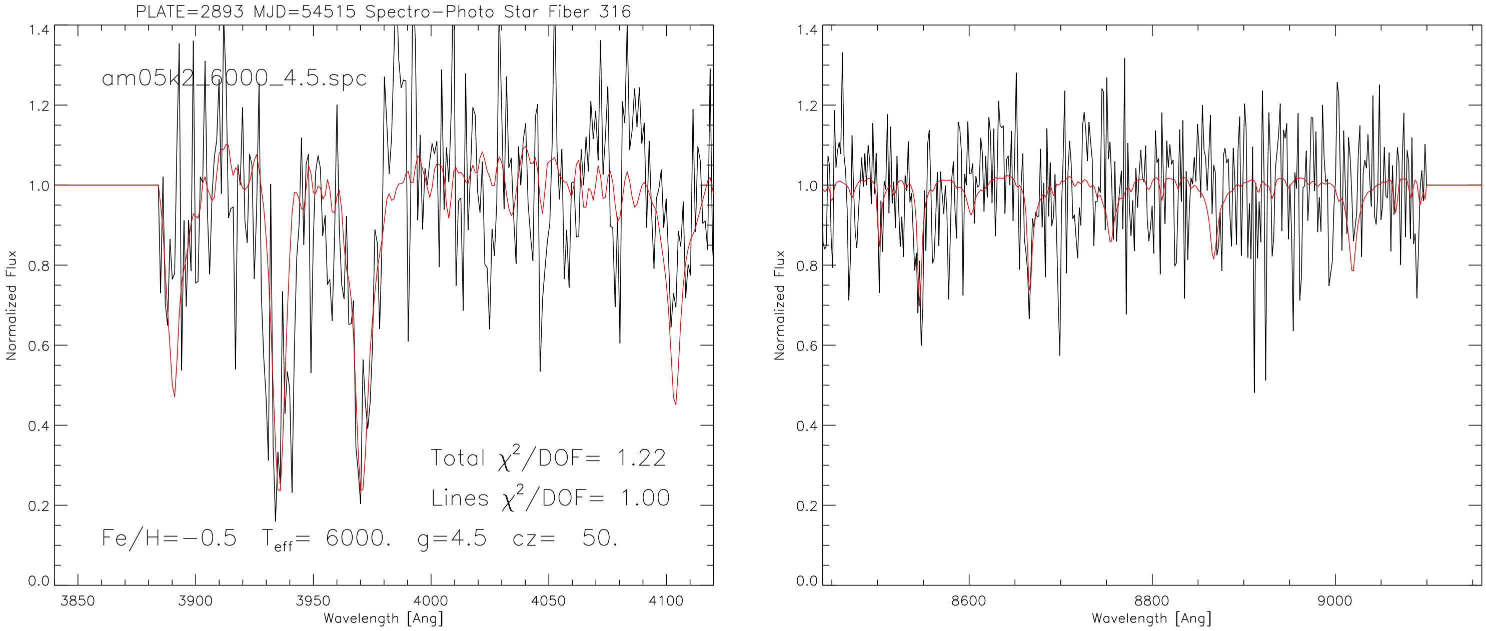

PLATE=2893 MJD=54515 Spectro-Photo Star Fiber 194
am05k2_6000_4.5.spc
Total χ²/DOF= 0.77
Lines χ²/DOF= 1.37
Fe/H=−0.5 T_eff= 6000. g=4.5 cz= 26.
Normalized Flux
Wavelength [Ang]
0.0
0.2
0.4
0.6
0.8
1.0
1.2
1.4
3850
3900
3950
4000
4050
4100
8600
8800
9000

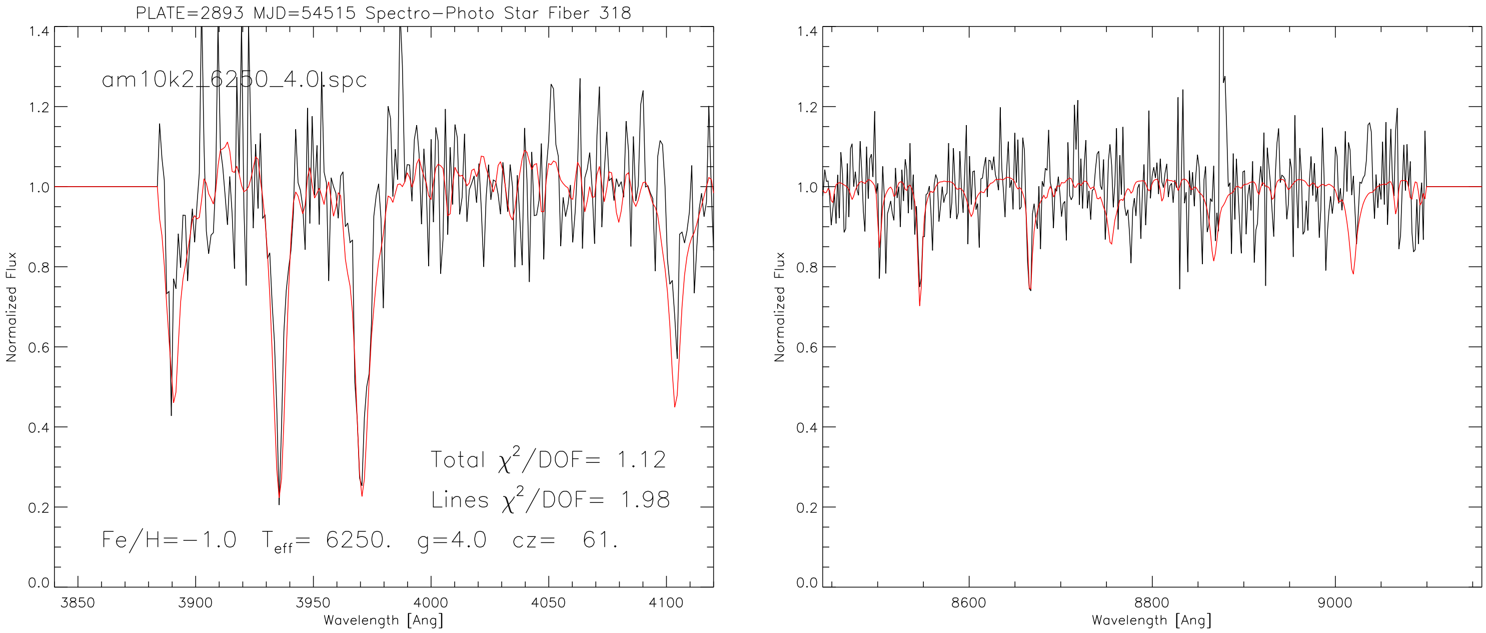

PLATE=2893 MJD=54515 Spectro-Photo Star Fiber 246
am05k2_6250_4.5.spc
Total χ²/DOF= 0.90
Lines χ²/DOF= 1.46
Fe/H=−0.5 T_eff= 6250. g=4.5 cz= −33.
Normalized Flux
Wavelength [Ang]
0.0
0.2
0.4
0.6
0.8
1.0
1.2
1.4
3850
3900
3950
4000
4050
4100
8600
8800
9000

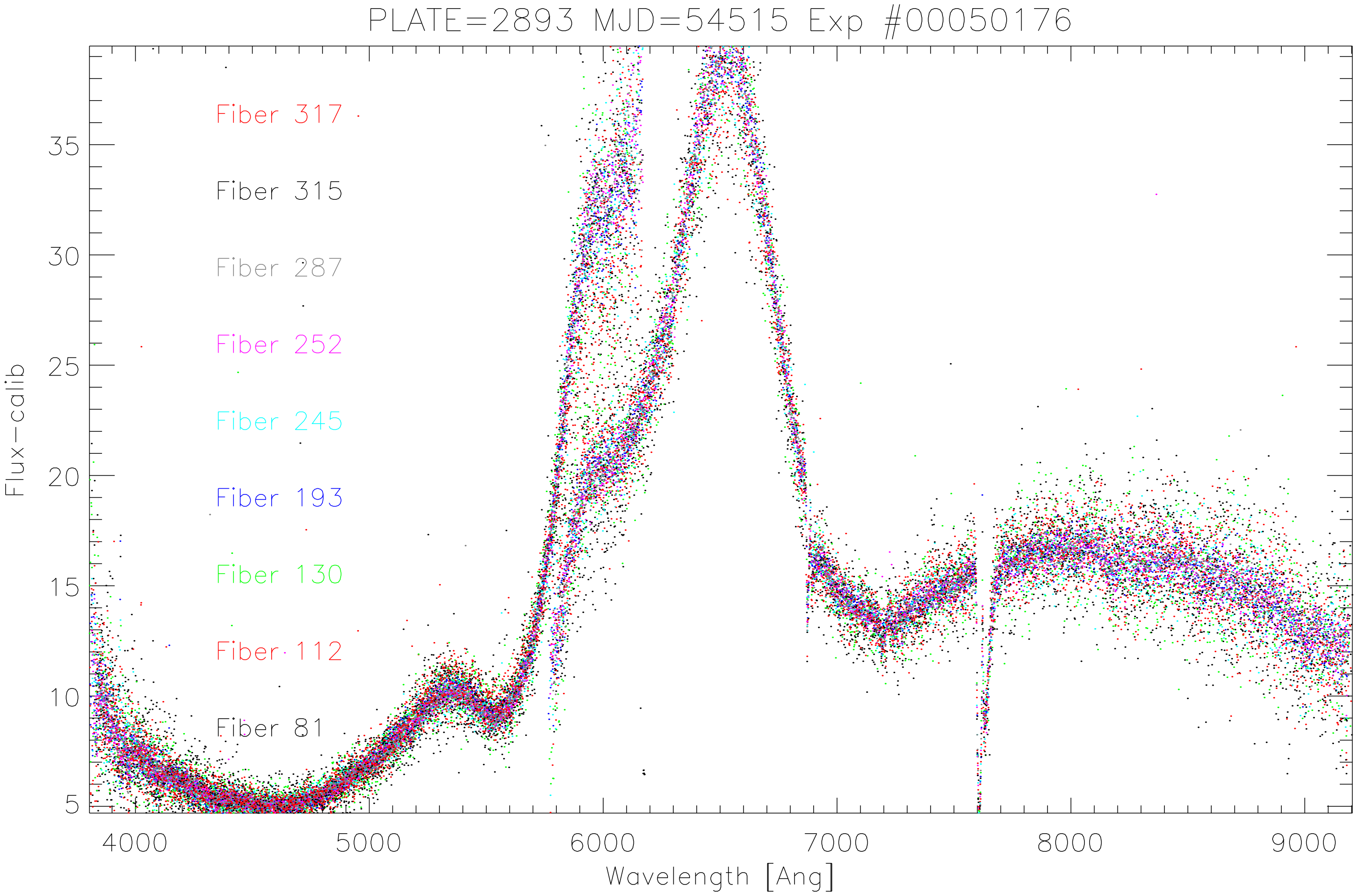

PLATE=2893 MJD=54515 Spectro-Photo Star Fiber 253
am05k2_6250_4.5.spc
Total χ²/DOF= 0.83
Lines χ²/DOF= 1.20
Fe/H=−0.5 T_eff= 6250. g=4.5 cz= 74.
Normalized Flux
Wavelength [Ang]
0.0
0.2
0.4
0.6
0.8
1.0
1.2
1.4
3850
3900
3950
4000
4050
4100
8600
8800
9000

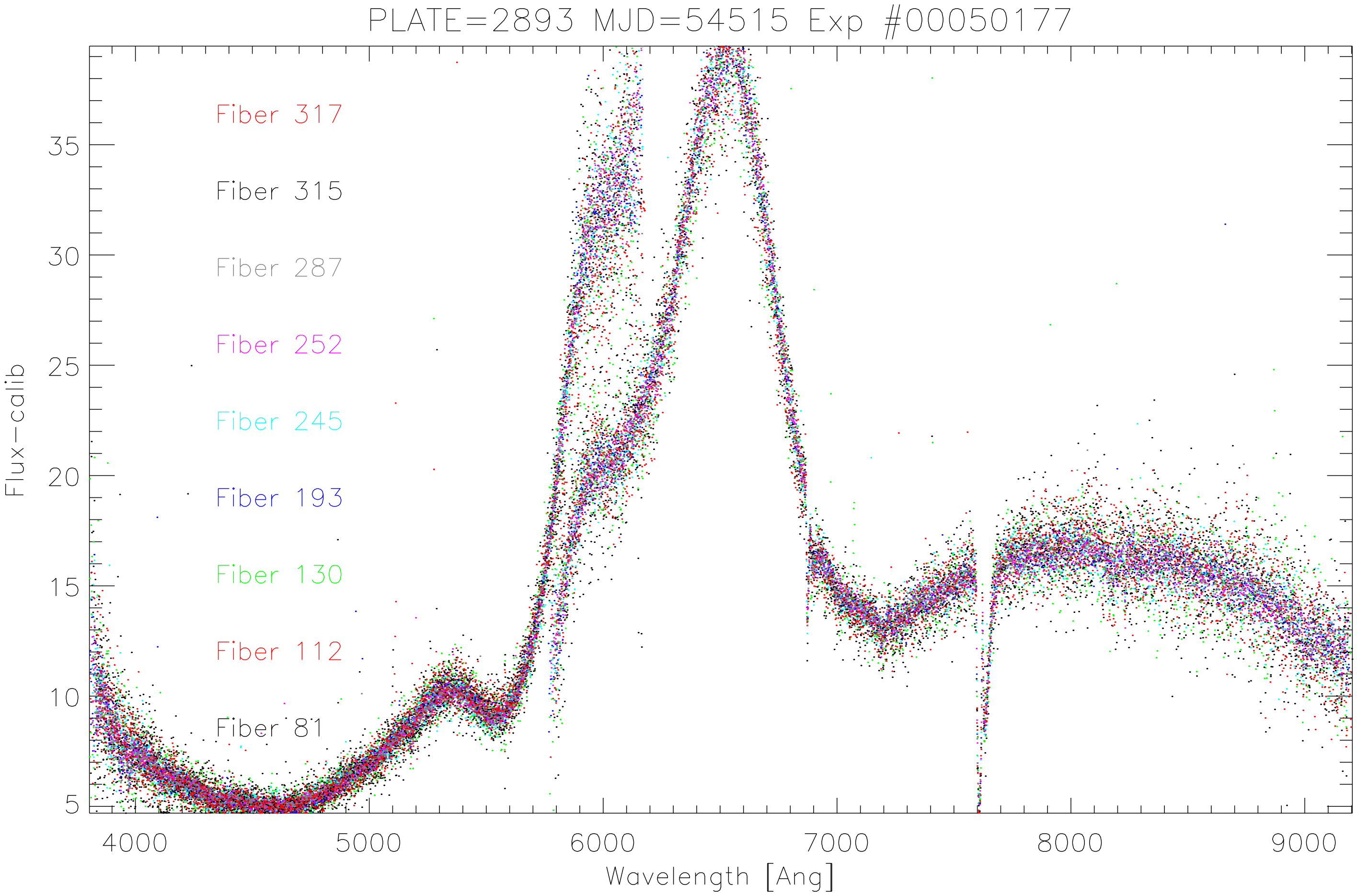

PLATE=2893 MJD=54515 Spectro−Photo Star Fiber 288
am05k2_6000_4.5.spc
Total χ^2/DOF= 0.70
Lines χ^2/DOF= 1.31
Fe/H=−0.5 T_{eff}= 6000. g=4.5 cz= 7.
Normalized Flux
Wavelength [Ang]
0.0
0.2
0.4
0.6
0.8
1.0
1.2
1.4
3850
3900
3950
4000
4050
4100
8600
8800
9000

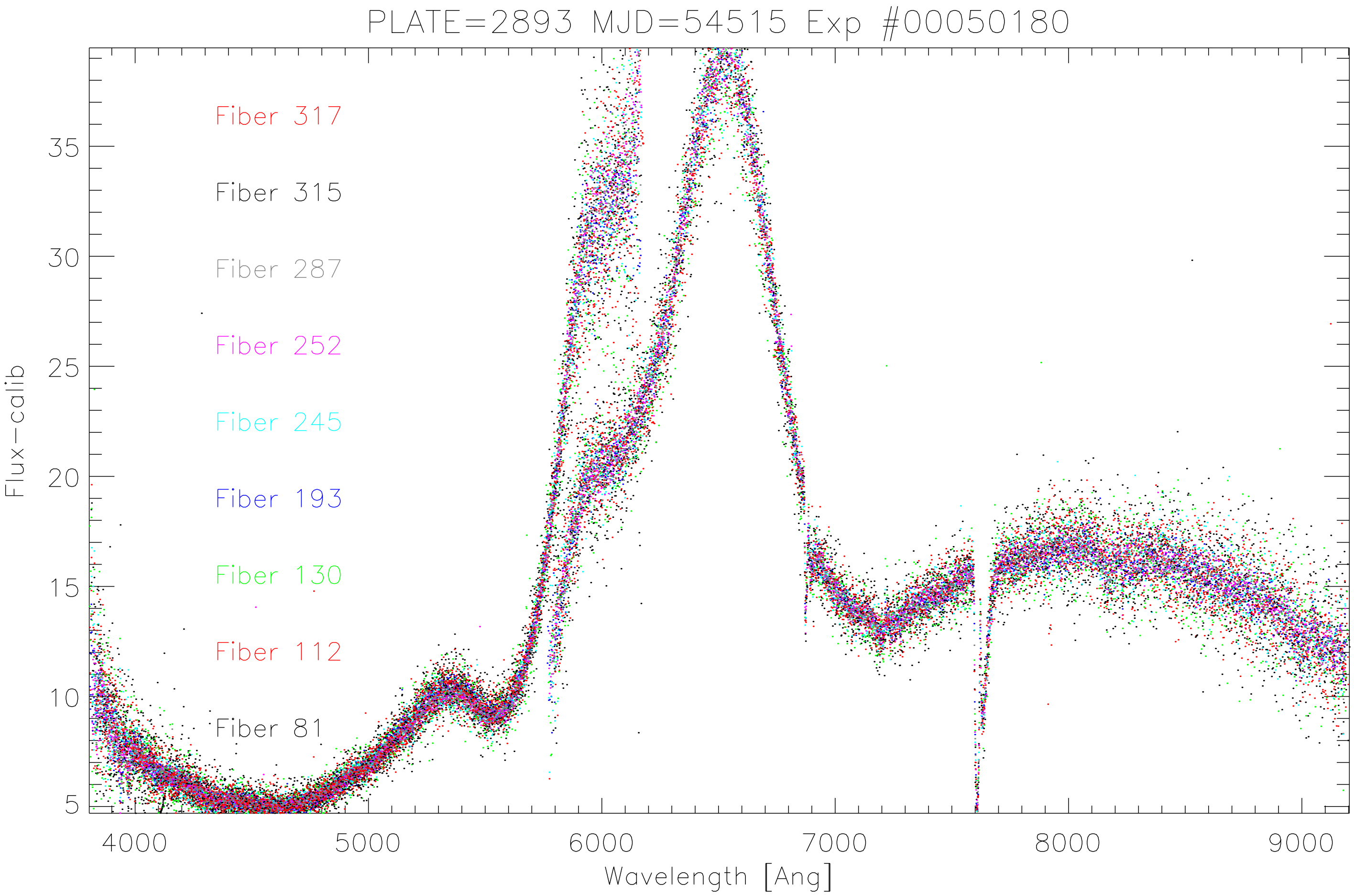

PLATE=2893 MJD=54515 Spectro−Photo Star Fiber 315
am10k2_5500_4.5.spc
Total χ^2/DOF= 1.24
Lines χ^2/DOF= 2.33
Fe/H=−1.0 T_{eff}= 5500. g=4.5 cz= 1.
Normalized Flux
Wavelength [Ang]
0.0
0.2
0.4
0.6
0.8
1.0
1.2
1.4
3850
3900
3950
4000
4050
4100
8600
8800
9000

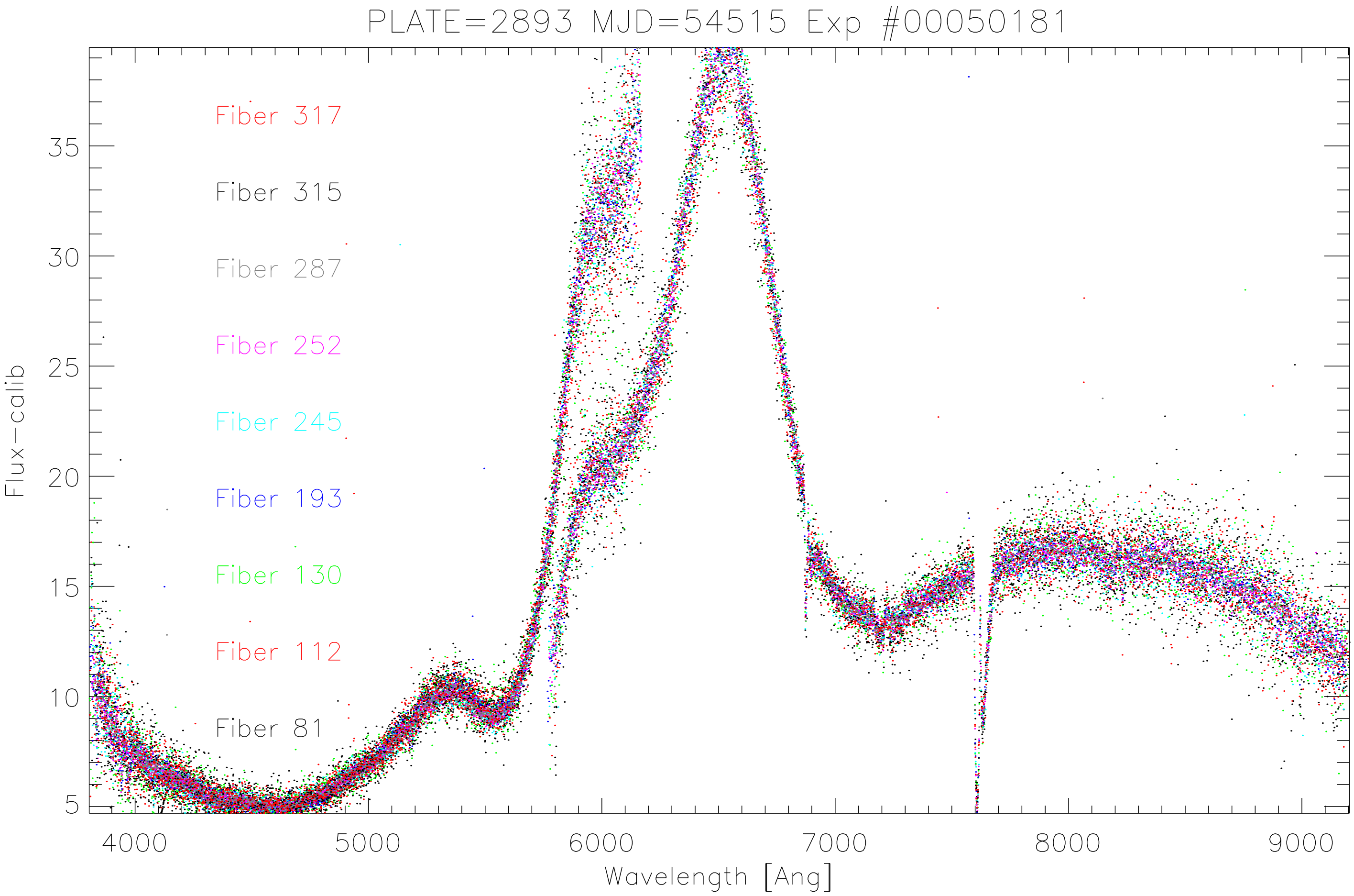

PLATE=2893 MJD=54515 Spectro−Photo Star Fiber 316
am05k2_6000_4.5.spc
Total χ^2/DOF= 1.22
Lines χ^2/DOF= 1.00
Fe/H=−0.5 T_{eff}= 6000. g=4.5 cz= 50.
Normalized Flux
Wavelength [Ang]
0.0
0.2
0.4
0.6
0.8
1.0
1.2
1.4
3850
3900
3950
4000
4050
4100
8600
8800
9000

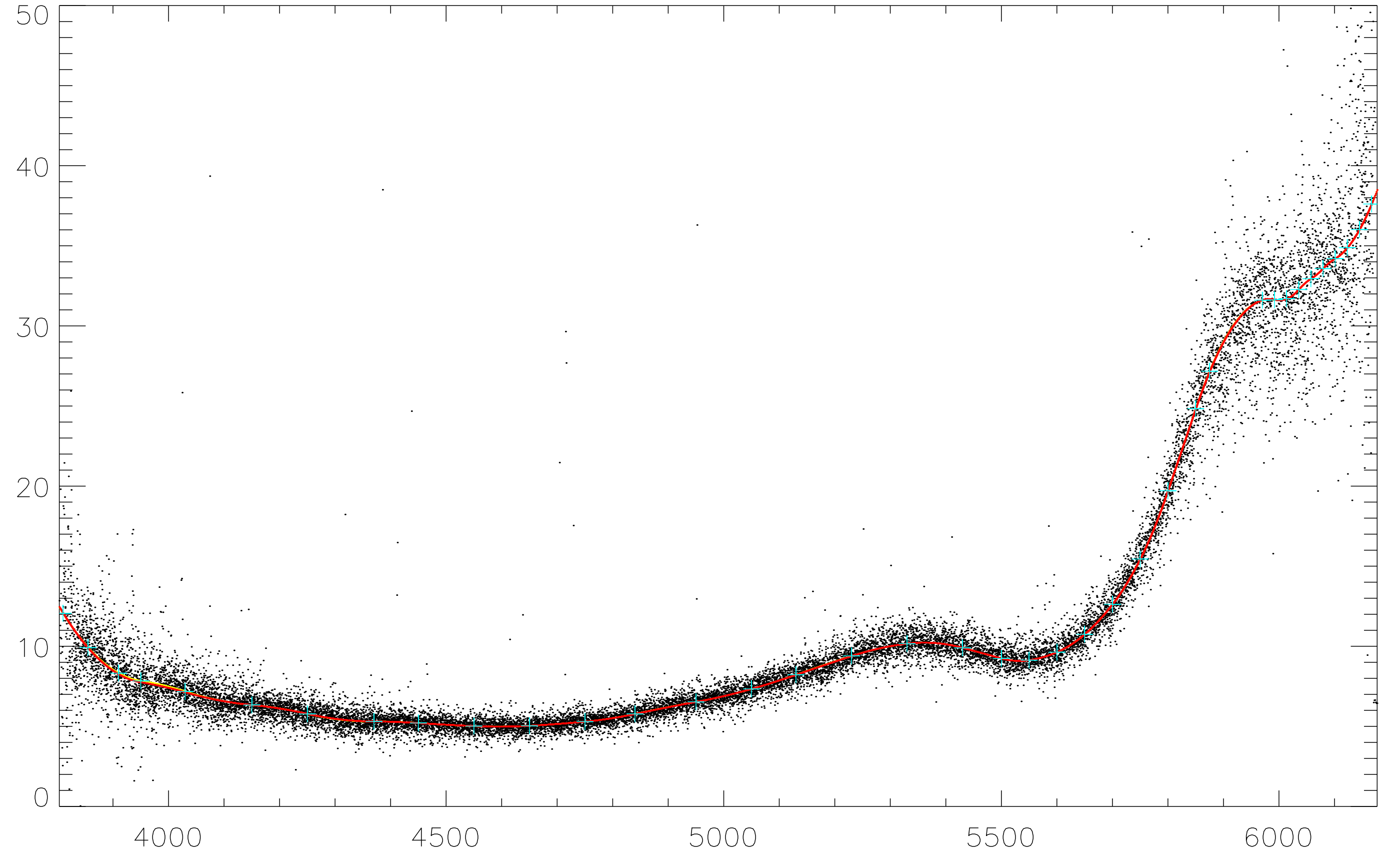

PLATE=2893 MJD=54515 Spectro−Photo Star Fiber 318
am10k2_6250_4.0.spc
Total χ^2/DOF= 1.12
Lines χ^2/DOF= 1.98
Fe/H=−1.0 T_{eff}= 6250. g=4.0 cz= 61.
Normalized Flux
Wavelength [Ang]
0.0
0.2
0.4
0.6
0.8
1.0
1.2
1.4
3850
3900
3950
4000
4050
4100
8600
8800
9000

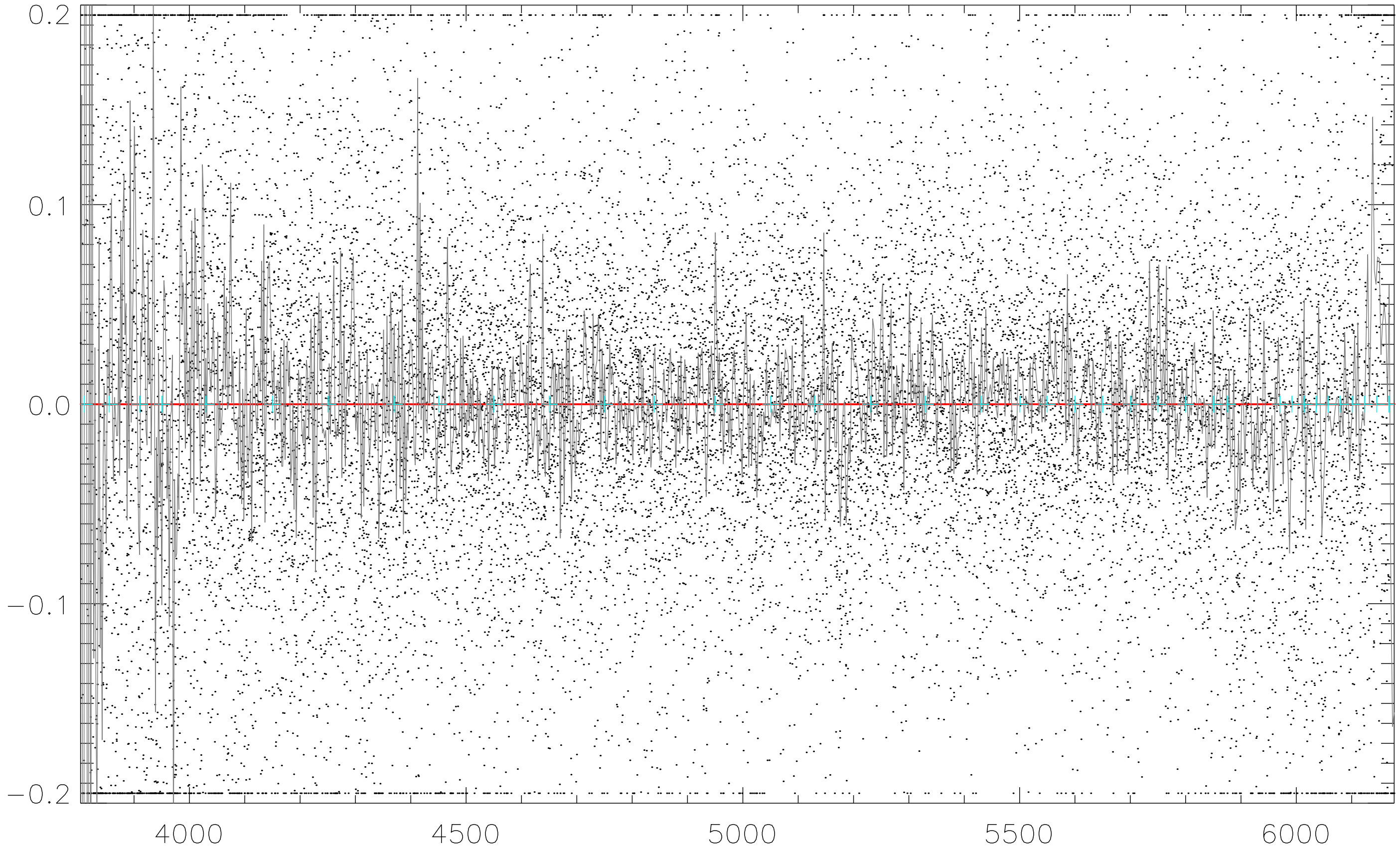

PLATE=2893 MJD=54515 Exp #00050176
Fiber 317
Fiber 315
Fiber 287
Fiber 252
Fiber 245
Fiber 193
Fiber 130
Fiber 112
Fiber 81
Flux-calib
5
10
15
20
25
30
35
4000
5000
6000
7000
8000
9000
Wavelength [Ang]


PLATE=2893 MJD=54515 Exp #00050177
Fiber 317
Fiber 315
Fiber 287
Fiber 252
Fiber 245
Fiber 193
Fiber 130
Fiber 112
Fiber 81
Flux-calib
5
10
15
20
25
30
35
4000
5000
6000
7000
8000
9000
Wavelength [Ang]

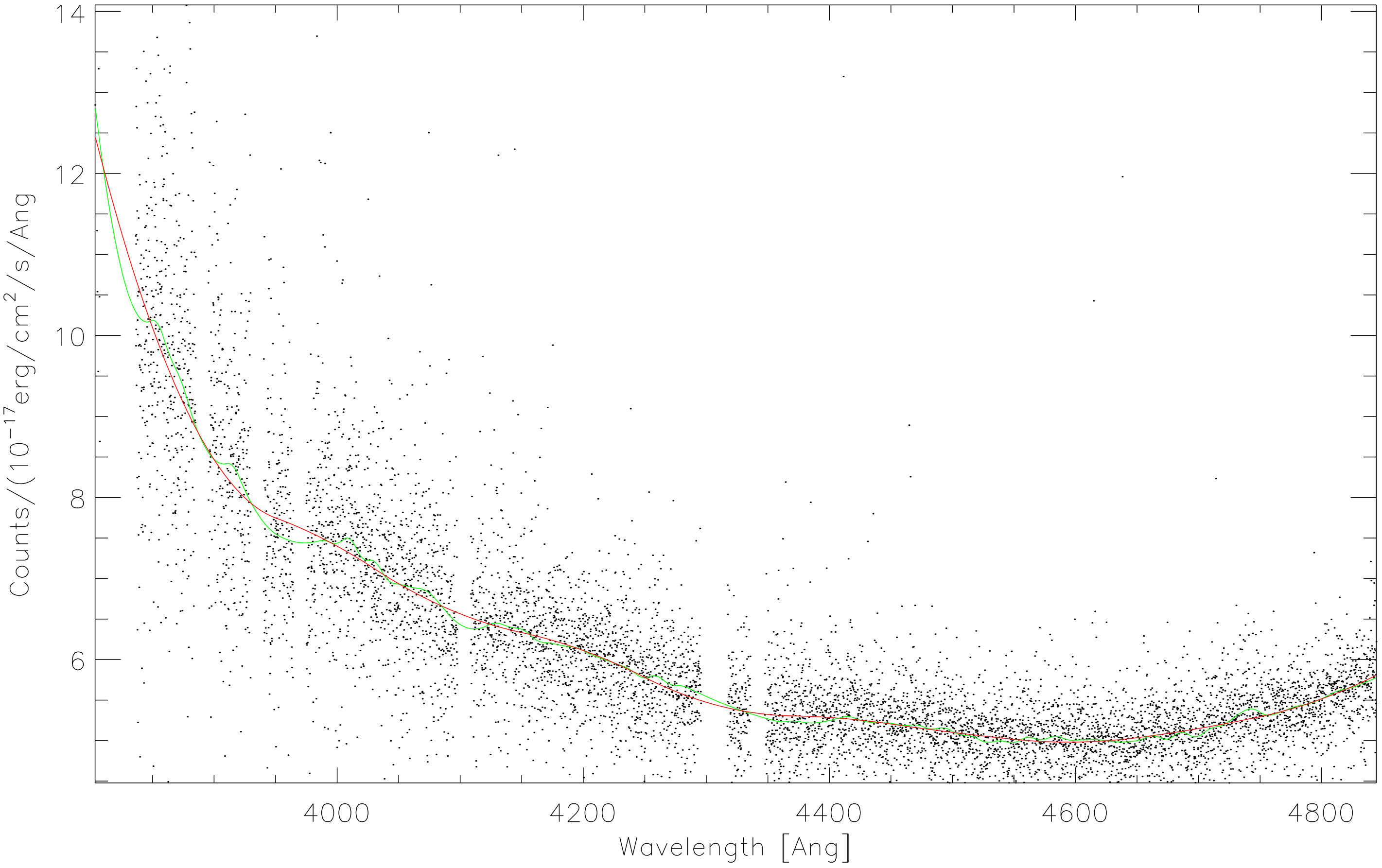

PLATE=2893 MJD=54515 Exp #00050180

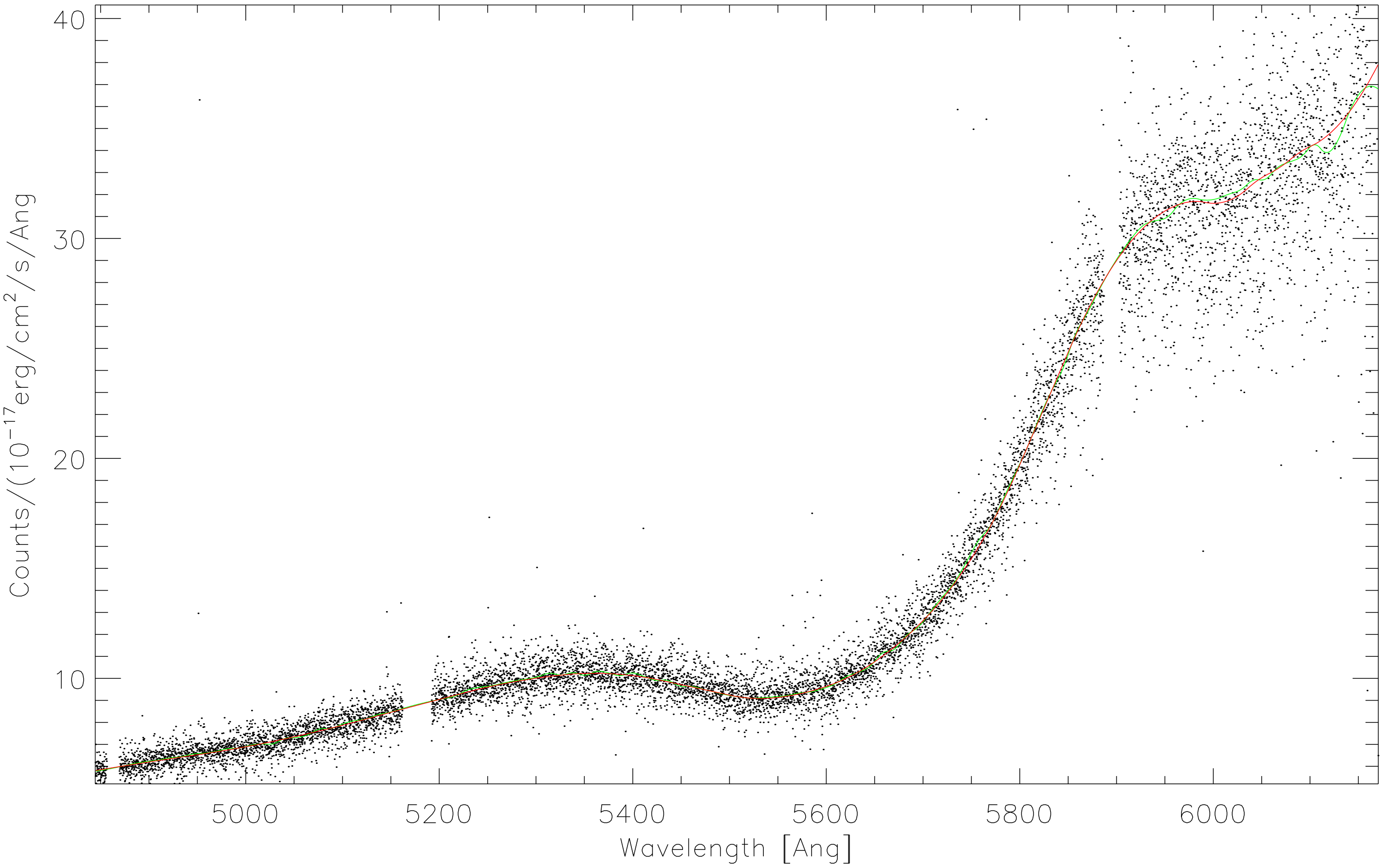

PLATE=2893 MJD=54515 Exp #00050181

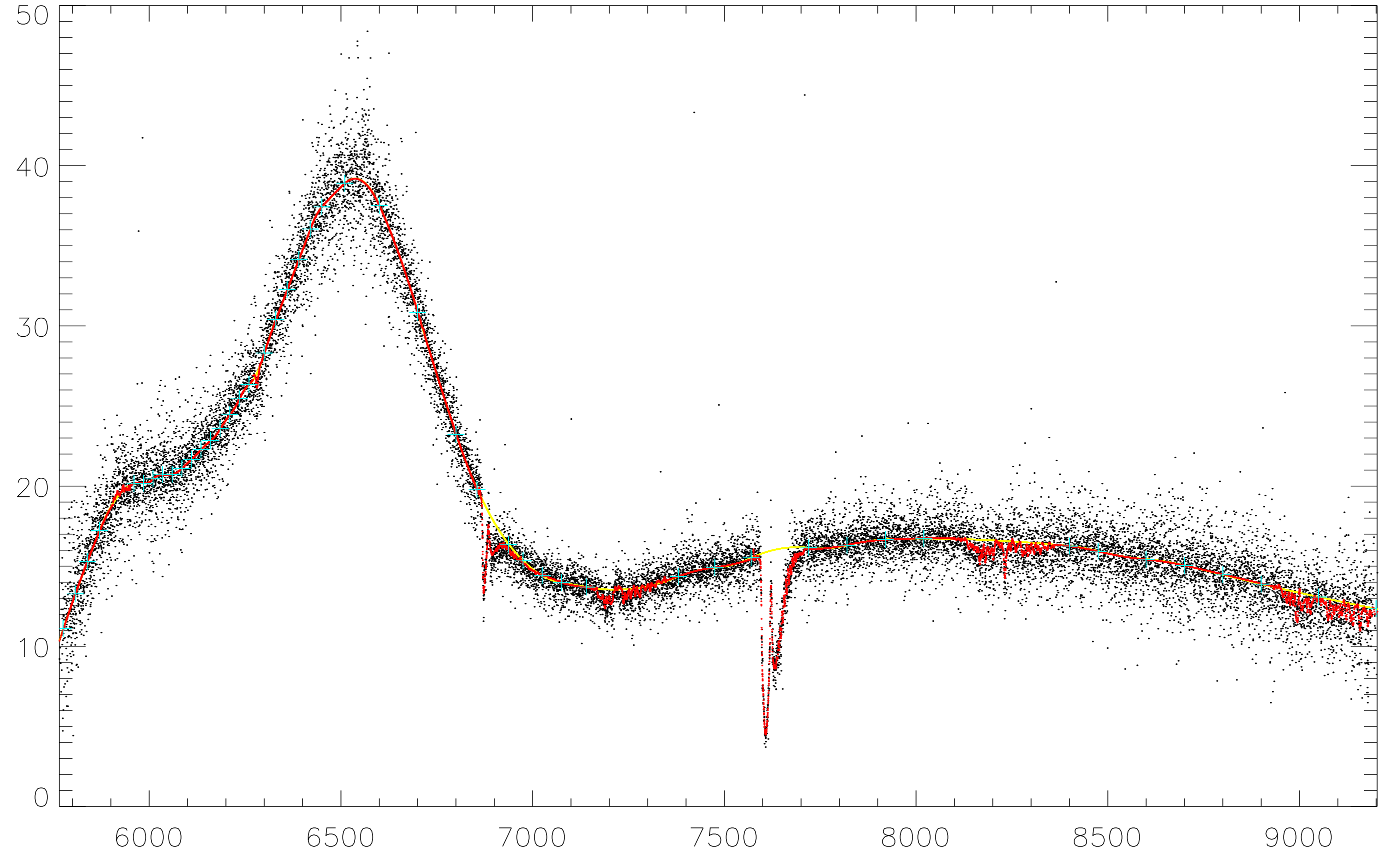

50
40
30
20
10
0
4000
4500
5000
5500
6000

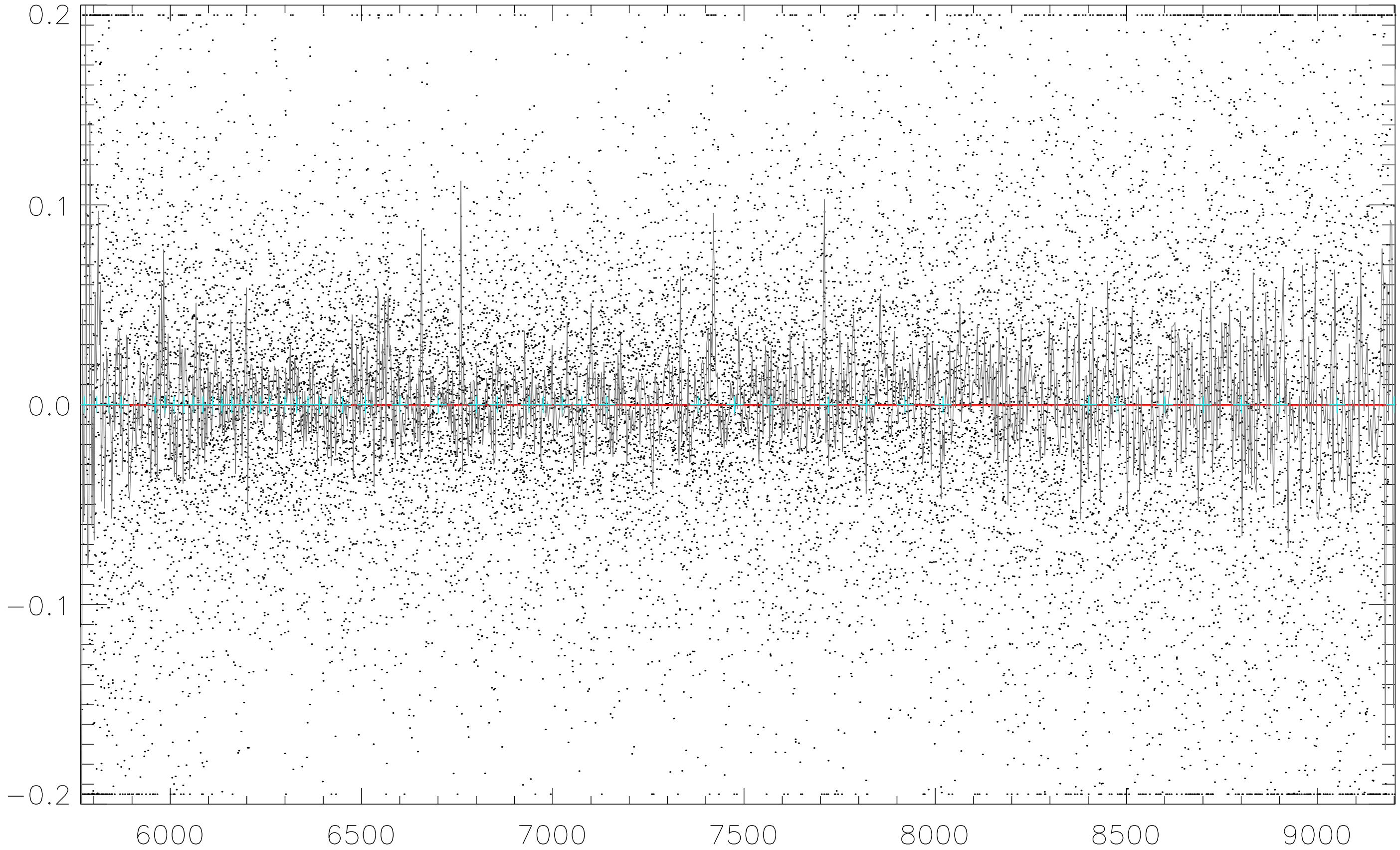

0.2
0.1
0.0
−0.1
−0.2
4000
4500
5000
5500
6000

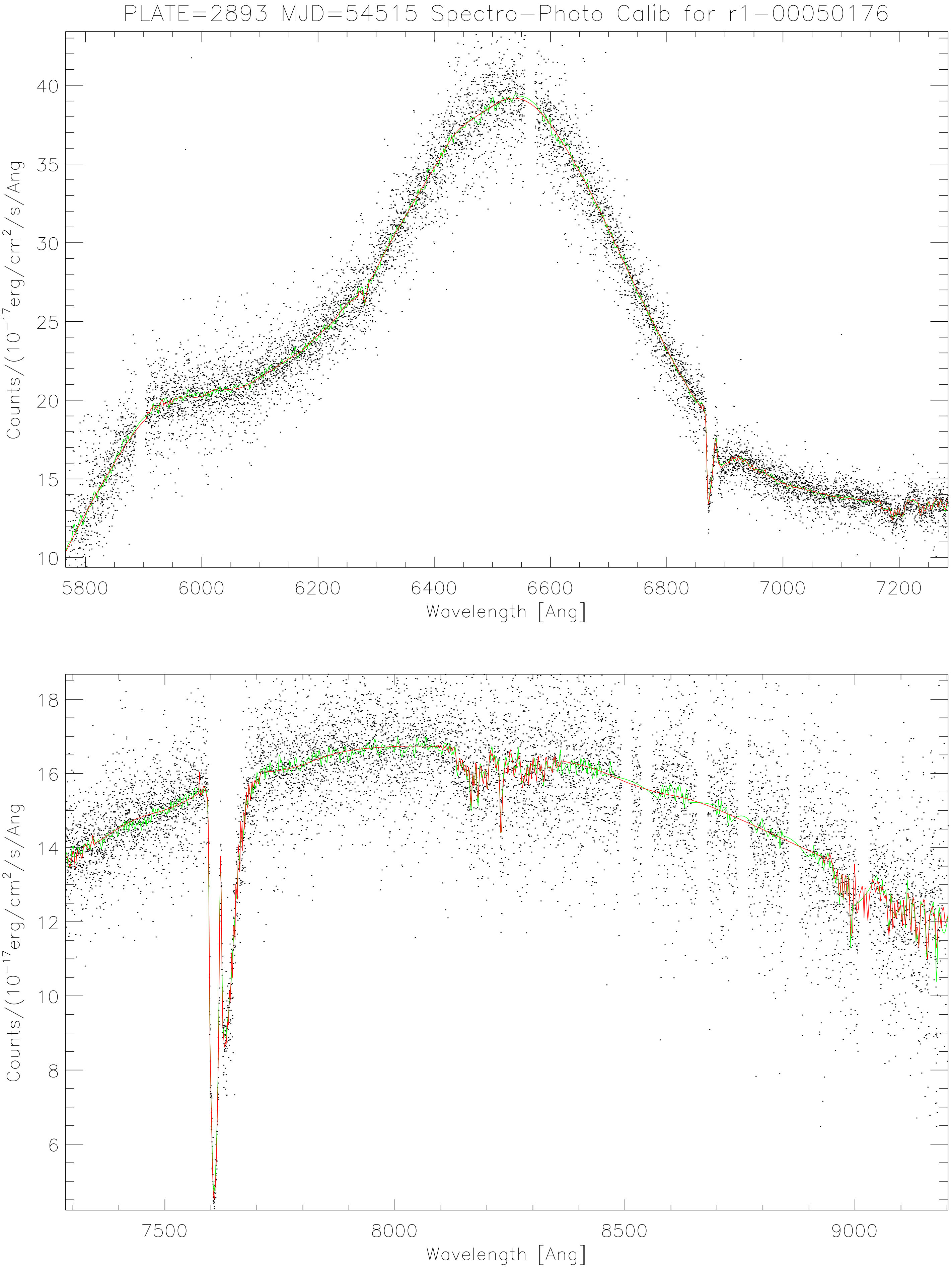
PLATE=2893 MJD=54515 Spectro−Photo Calib for b1-00050176

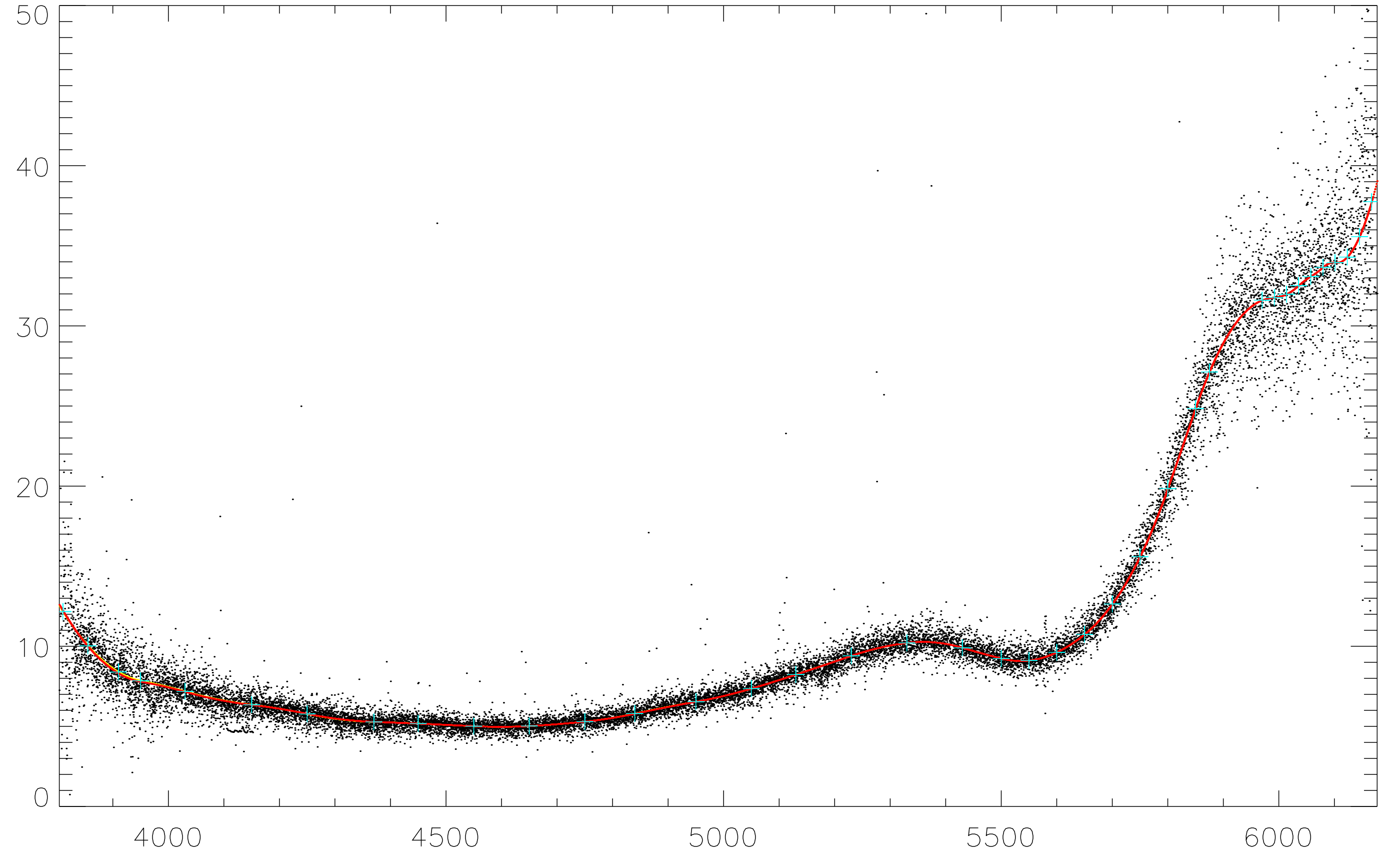


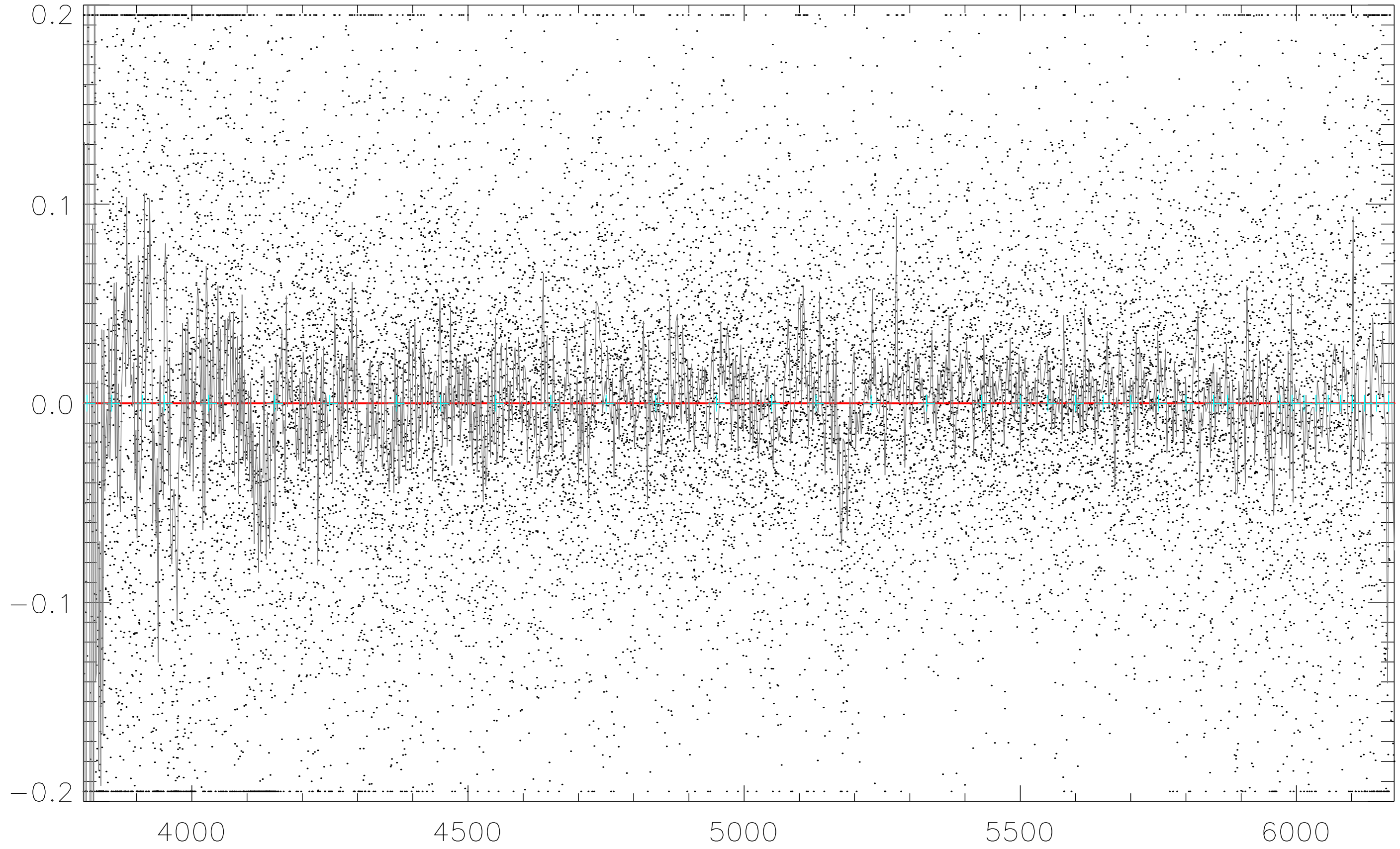



50
40
30
20
10
0
6000
6500
7000
7500
8000
8500
9000

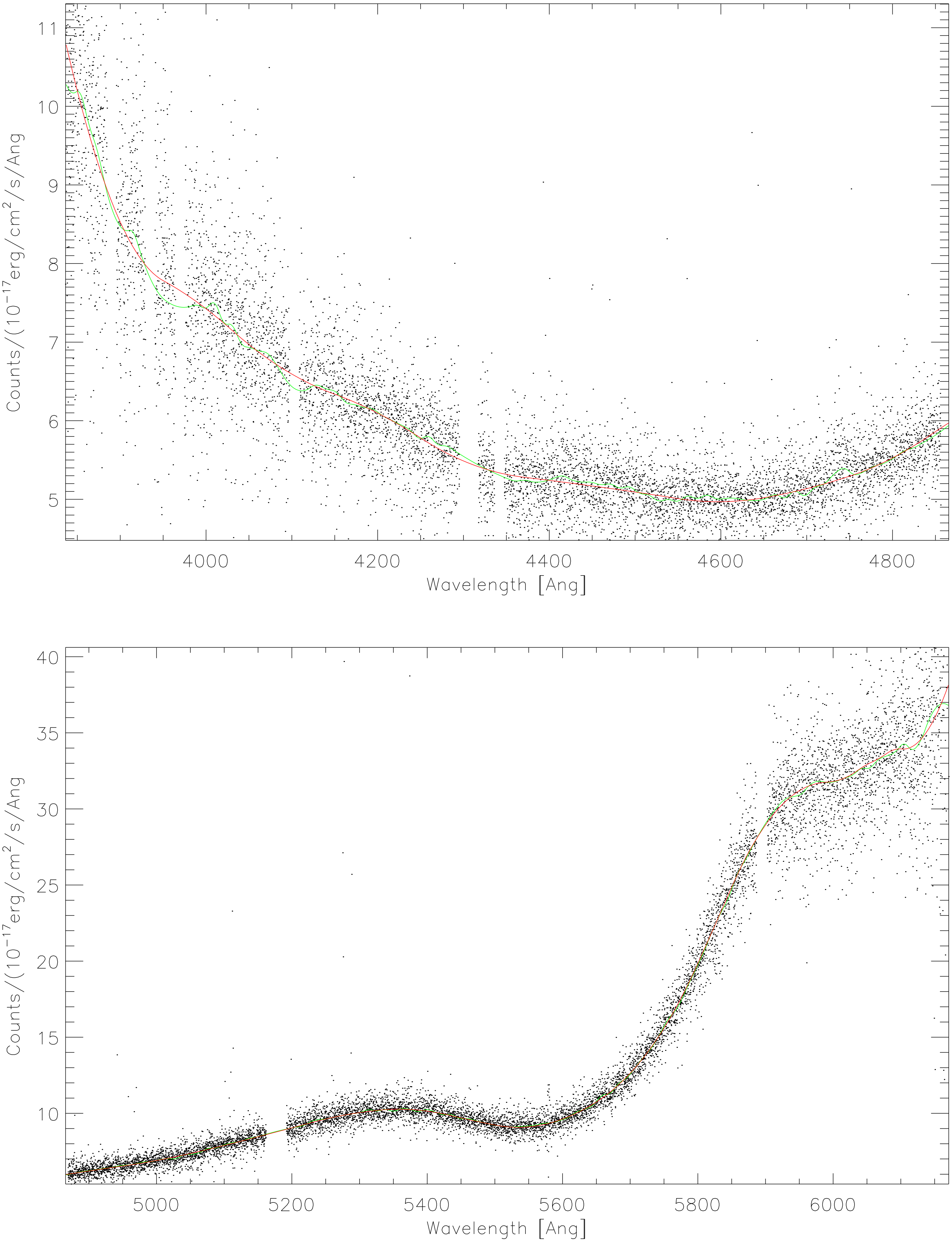

0.2
0.1
0.0
−0.1
−0.2
6000
6500
7000
7500
8000
8500
9000

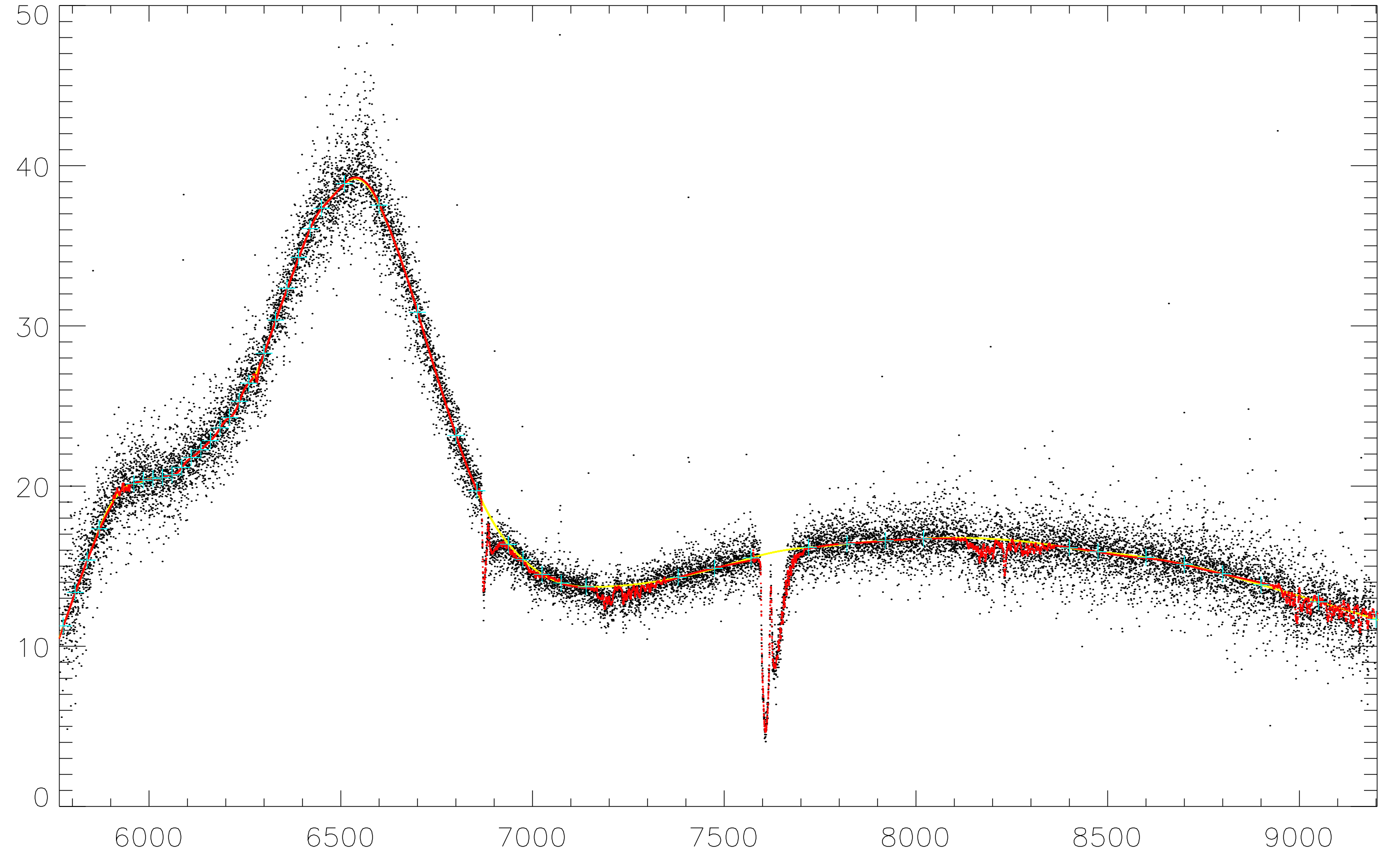

PLATE=2893 MJD=54515 Spectro−Photo Calib for r1−00050176
Counts/(10^{-17}erg/cm^2/s/Ang
10
15
20
25
30
35
40
5800
6000
6200
6400
6600
6800
7000
7200
Wavelength [Ang]
Counts/(10^{-17}erg/cm^2/s/Ang
6
8
10
12
14
16
18
7500
8000
8500
9000
Wavelength [Ang]

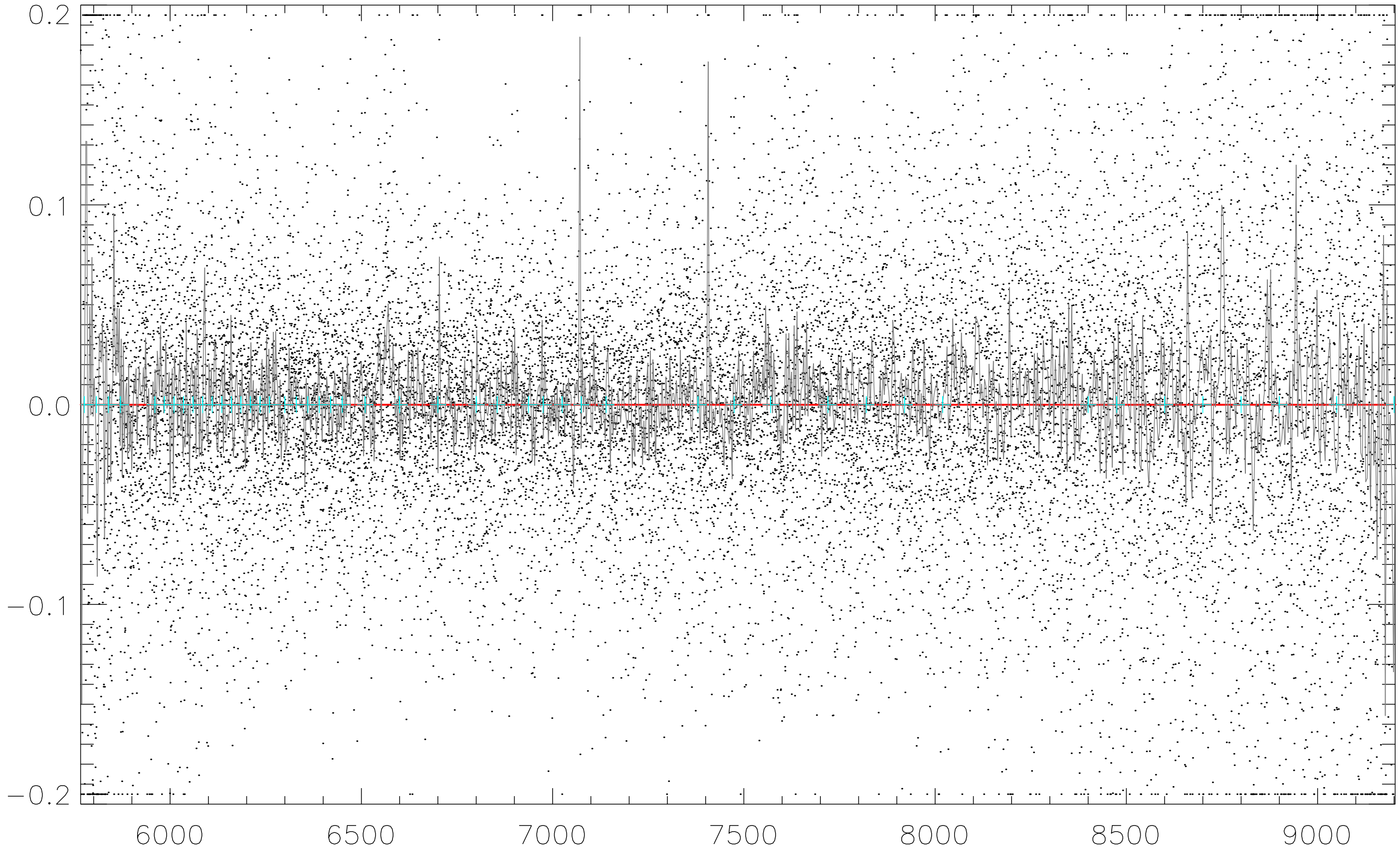

50
40
30
20
10
0
4000
4500
5000
5500
6000

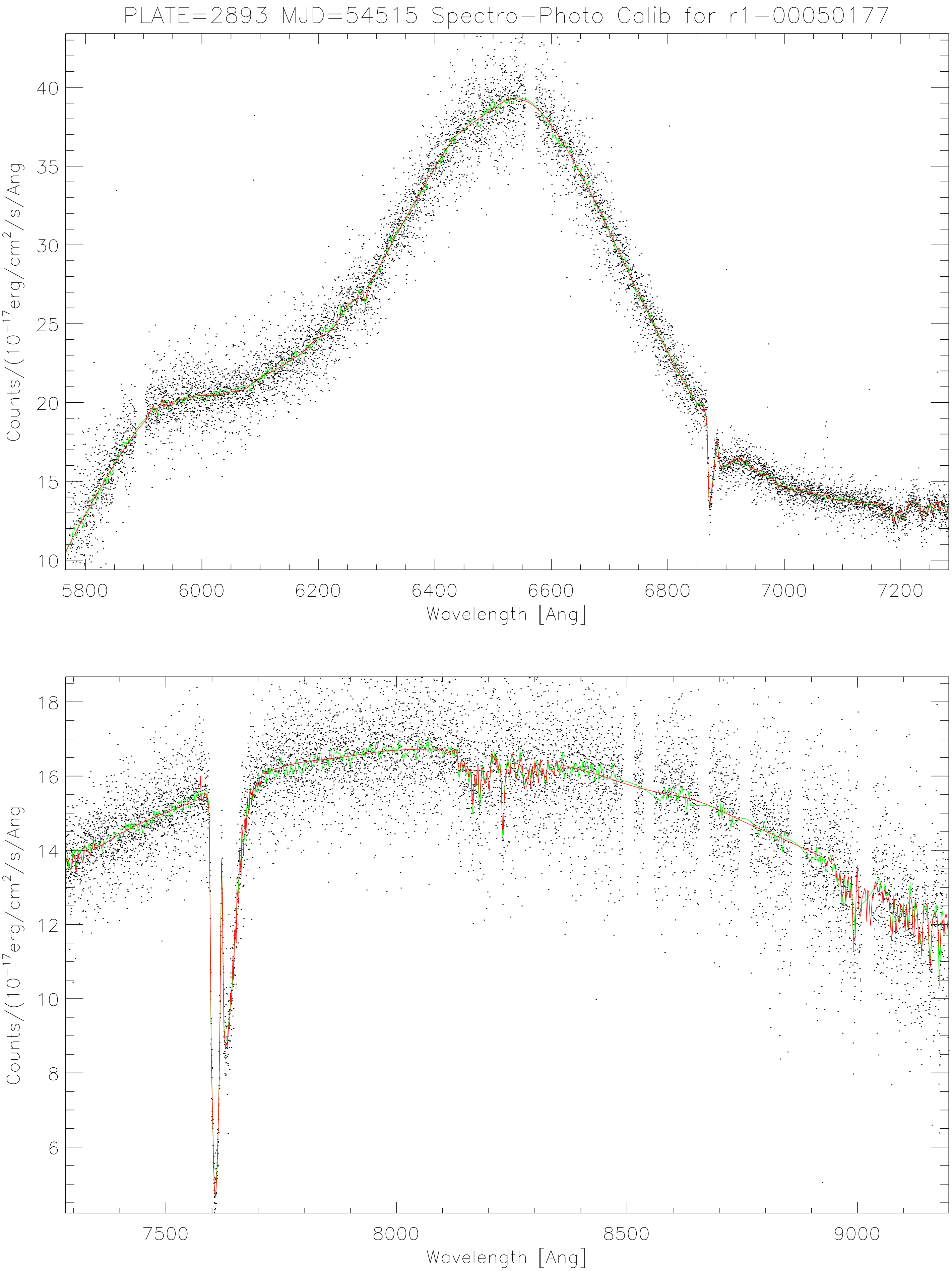

0.2
0.1
0.0
−0.1
−0.2
4000
4500
5000
5500
6000

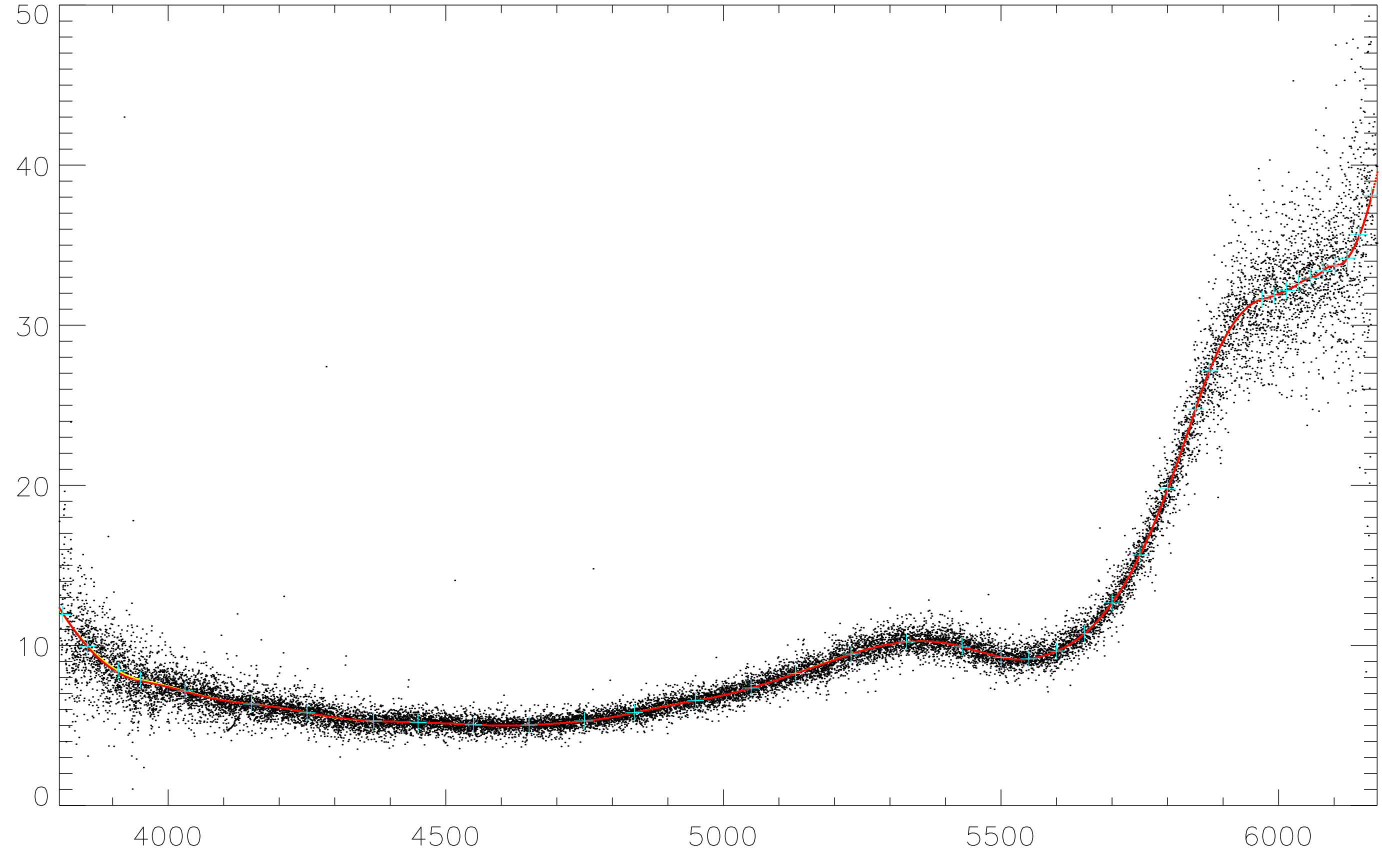
PLATE=2893 MJD=54515 Spectro-Photo Calib for b1-00050177

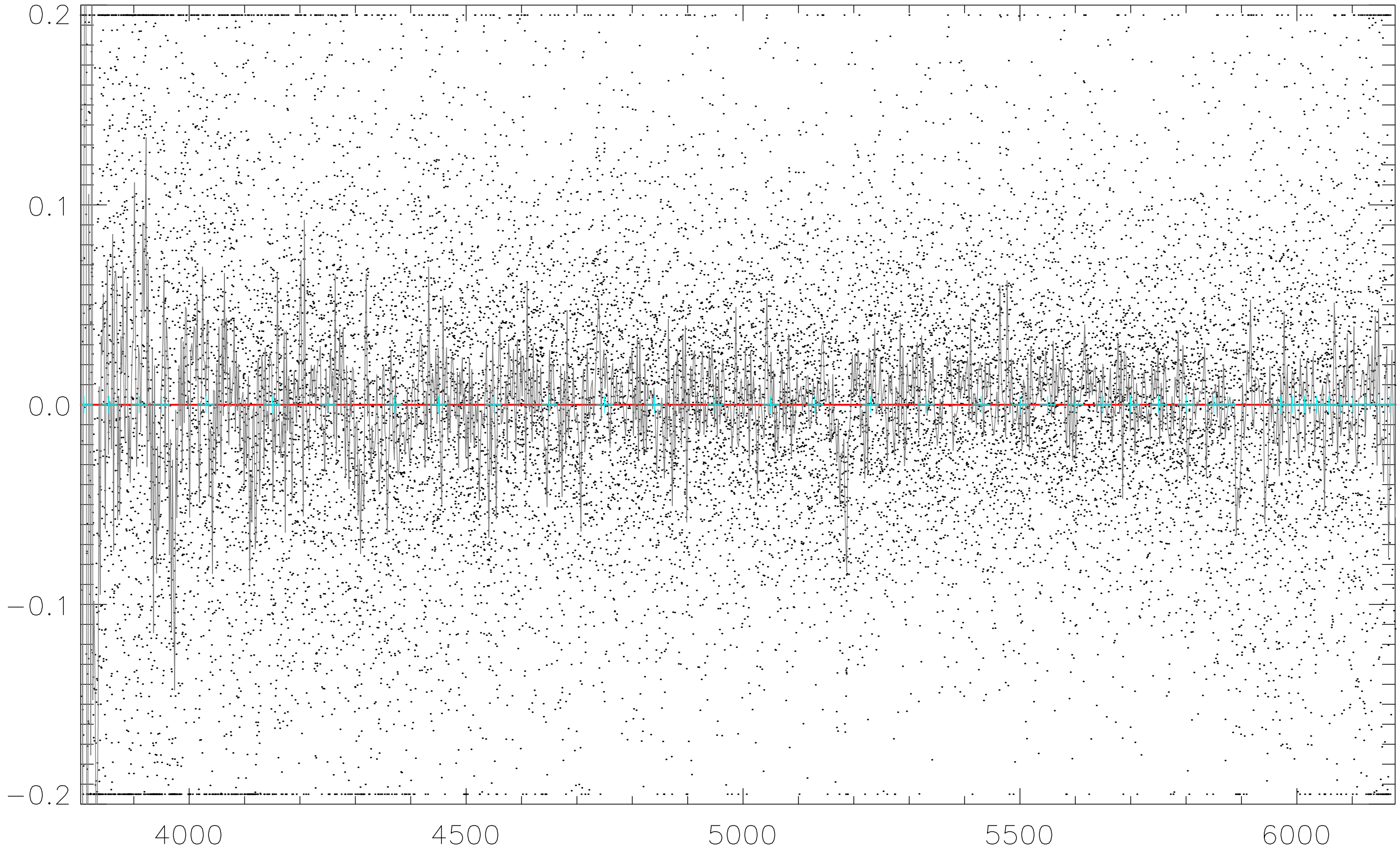



50
40
30
20
10
0
6000
6500
7000
7500
8000
8500
9000

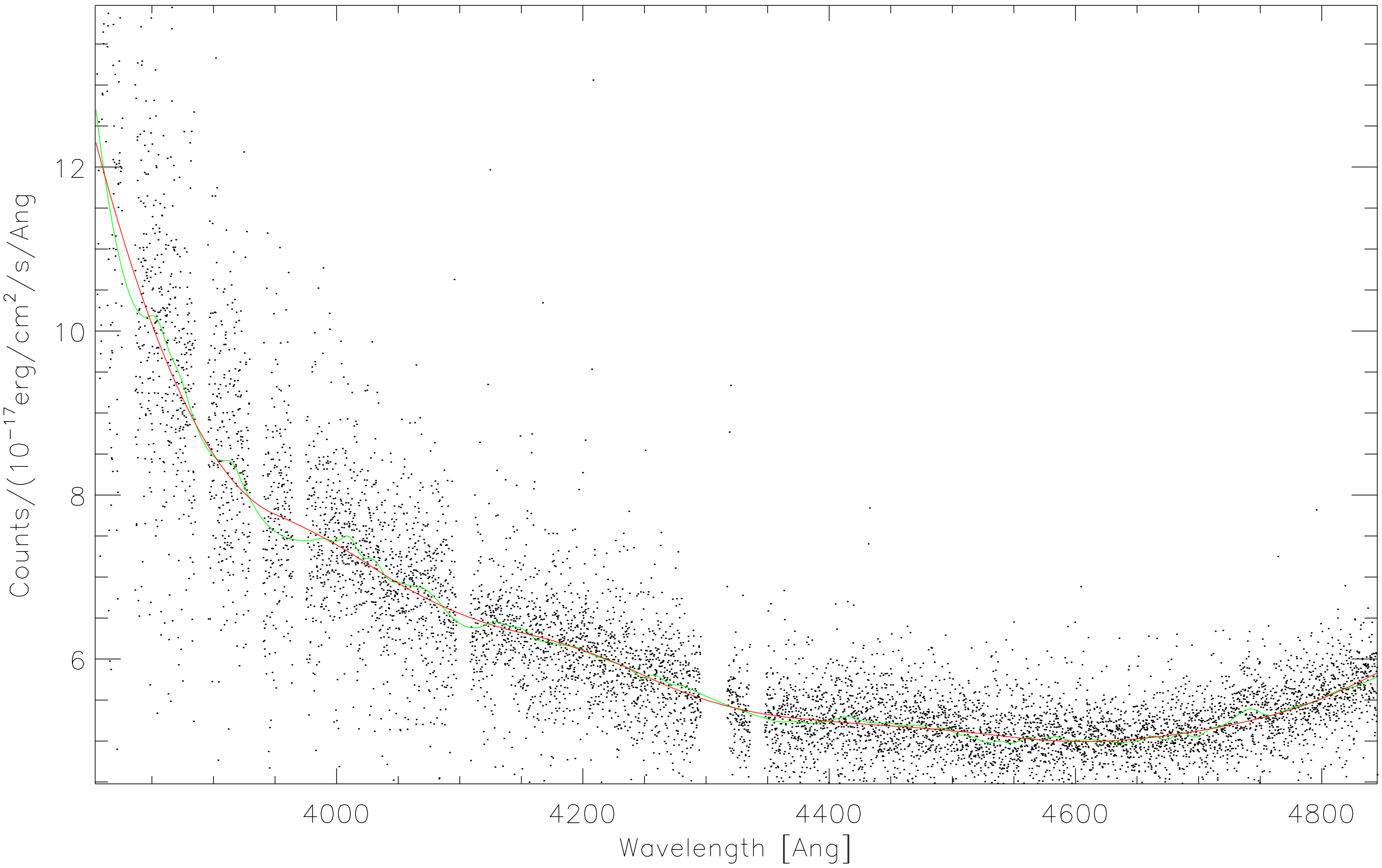

0.2
0.1
0.0
−0.1
−0.2
6000
6500
7000
7500
8000
8500
9000

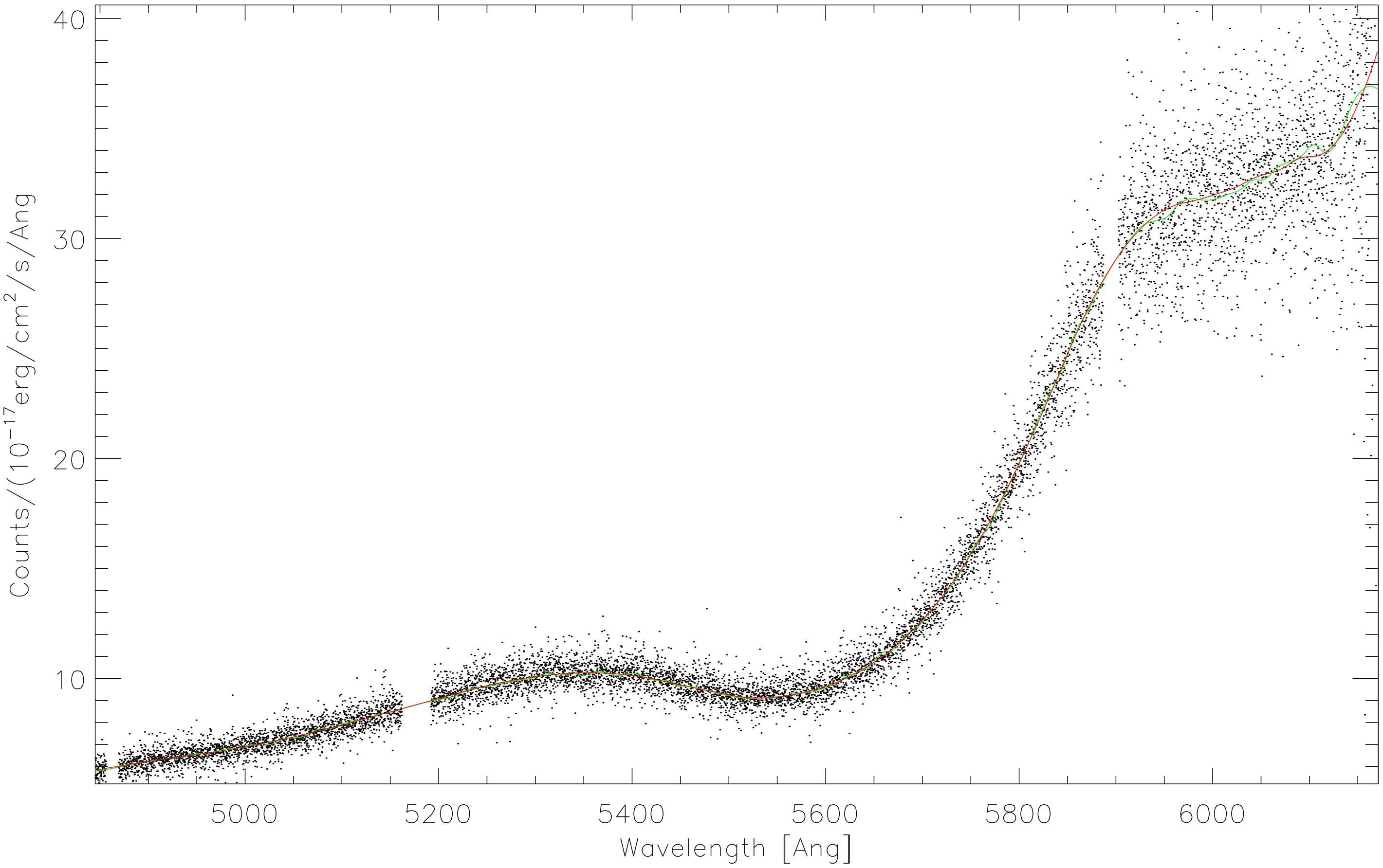

PLATE=2893 MJD=54515 Spectro−Photo Calib for r1−00050177
Counts/(10^{-17}erg/cm^2/s/Ang
Wavelength [Ang]
10
15
20
25
30
35
40
5800
6000
6200
6400
6600
6800
7000
7200
Counts/(10^{-17}erg/cm^2/s/Ang
Wavelength [Ang]
6
8
10
12
14
16
18
7500
8000
8500
9000

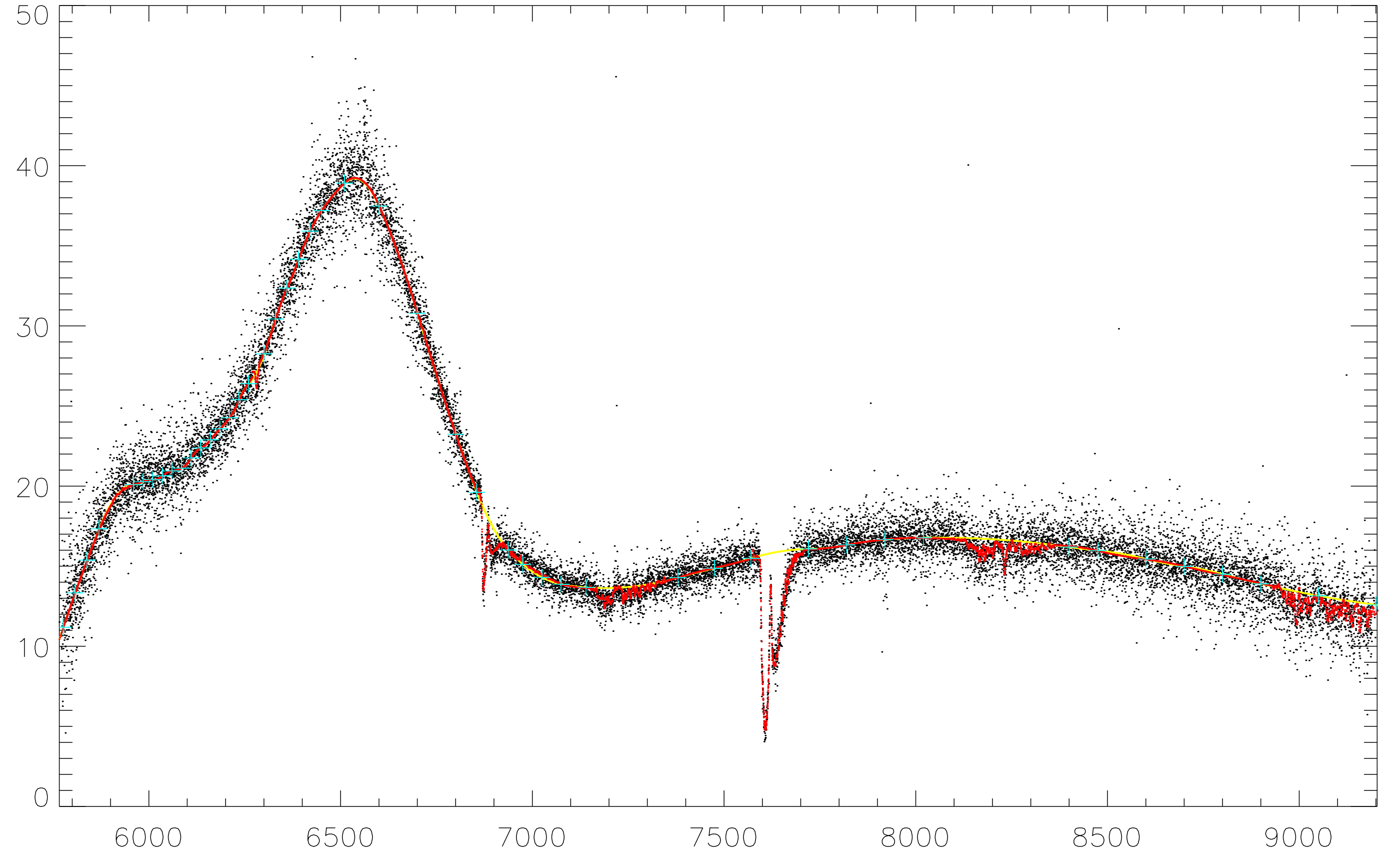

50
40
30
20
10
0
4000
4500
5000
5500
6000

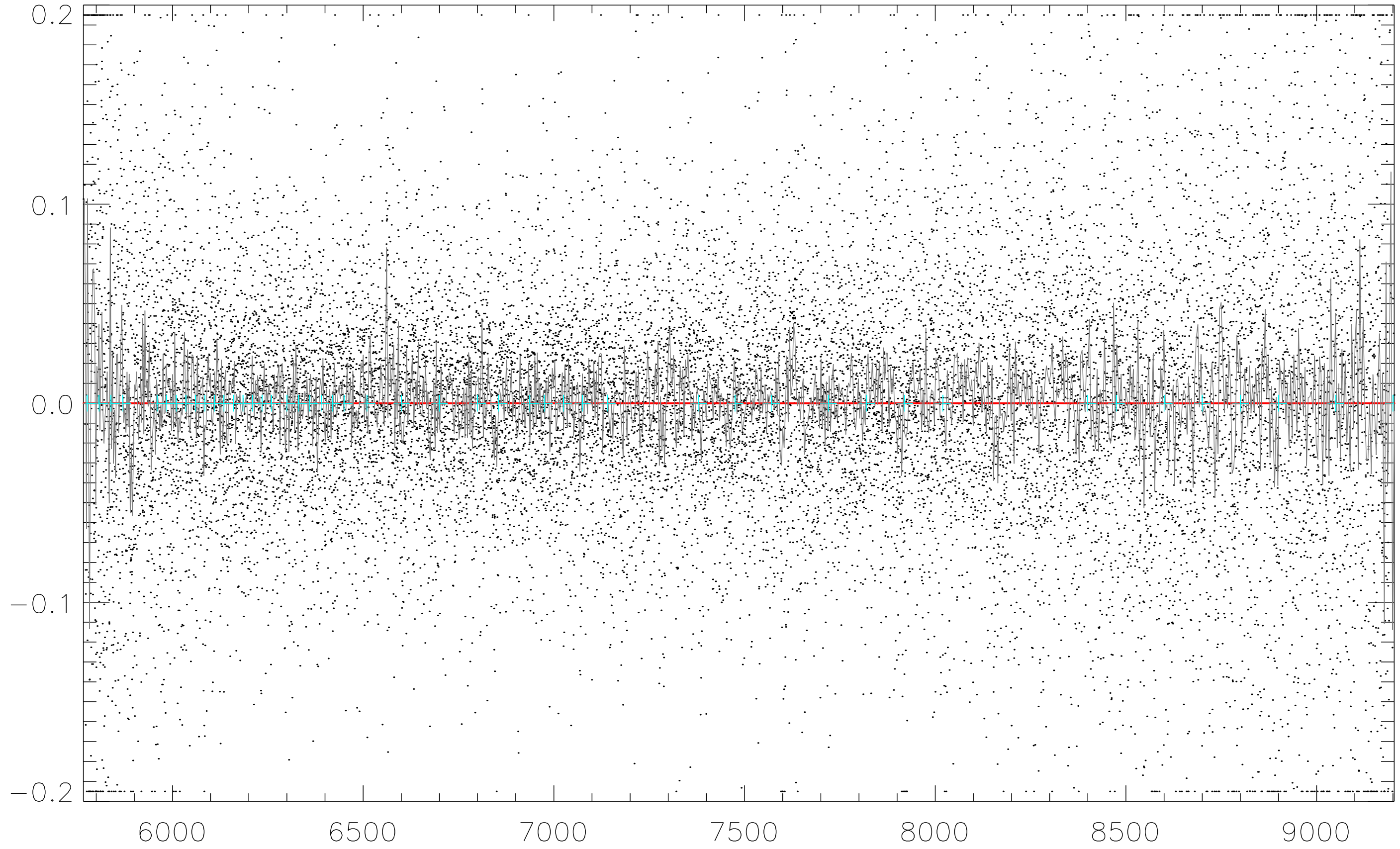

0.2
0.1
0.0
−0.1
−0.2
4000
4500
5000
5500
6000

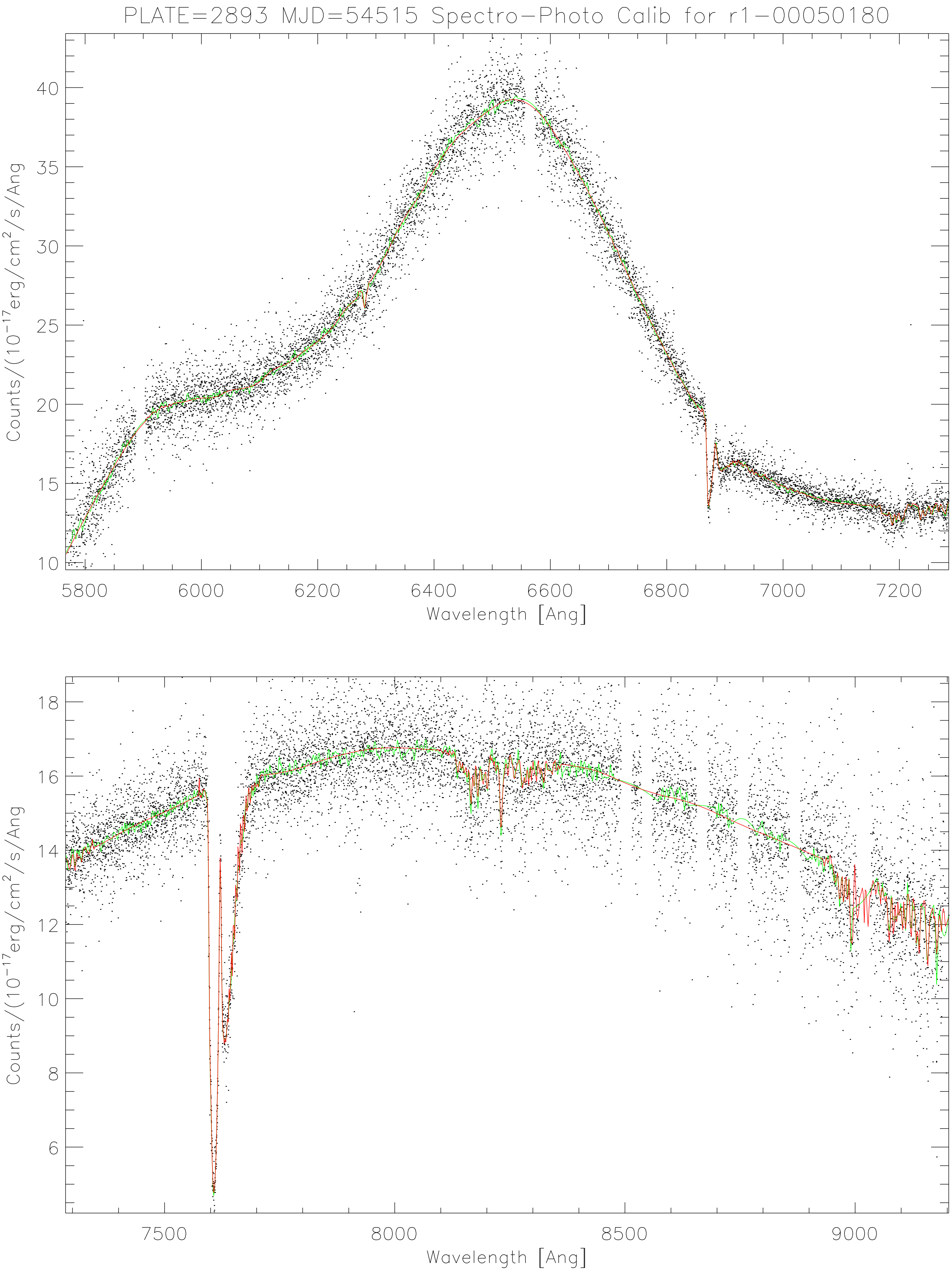
PLATE=2893 MJD=54515 Spectro-Photo Calib for b1-00050180

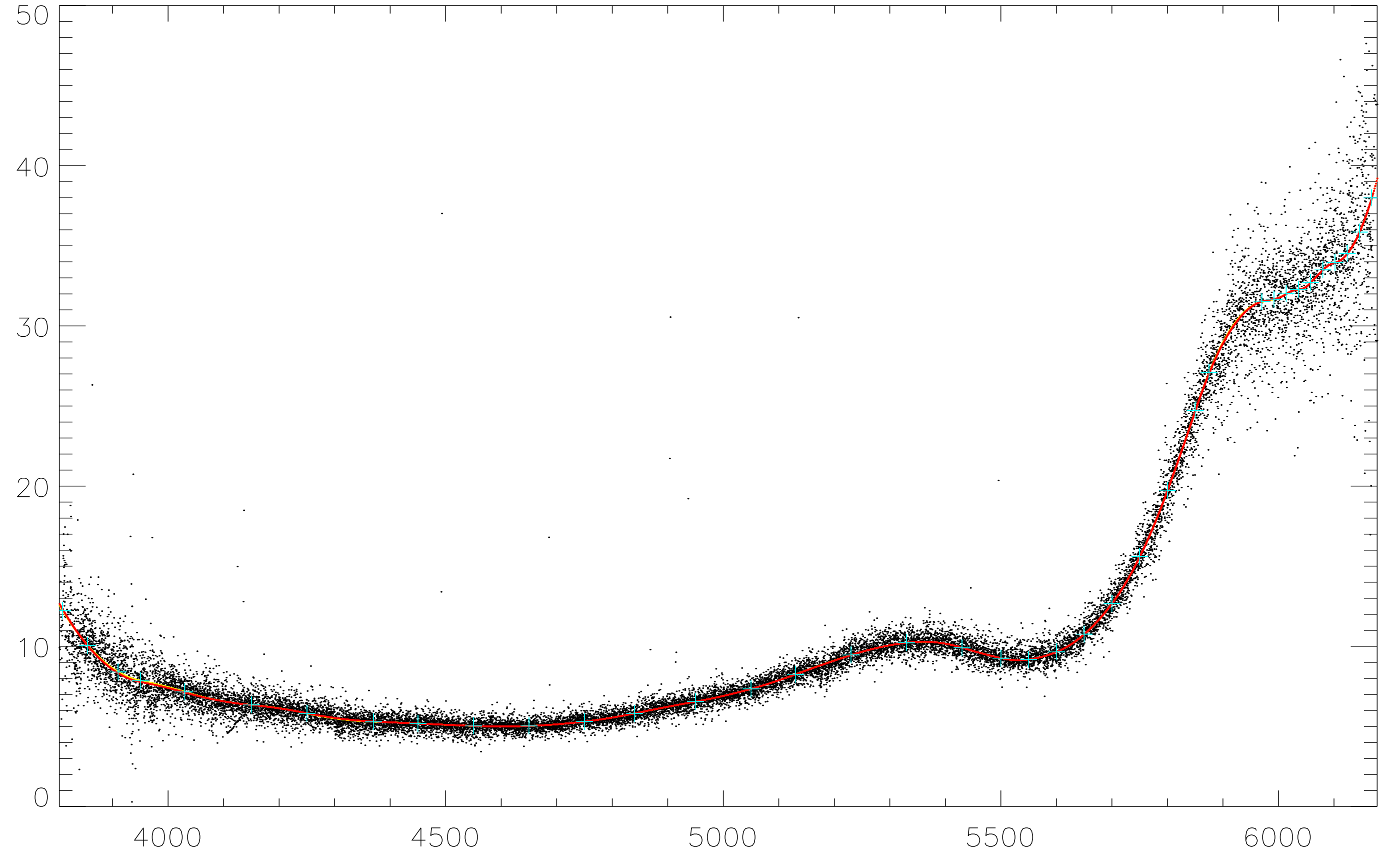


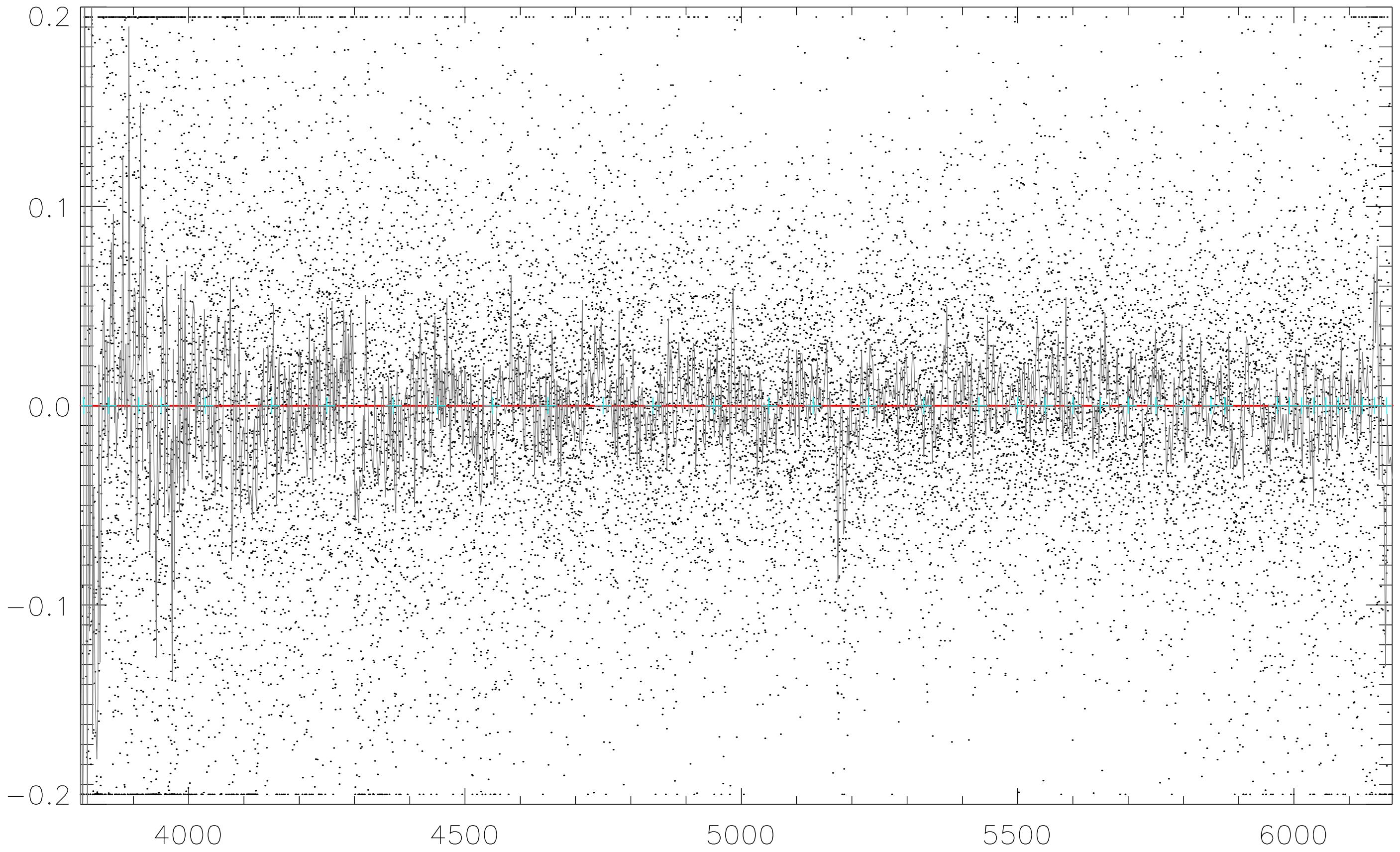



50
40
30
20
10
0
6000
6500
7000
7500
8000
8500
9000

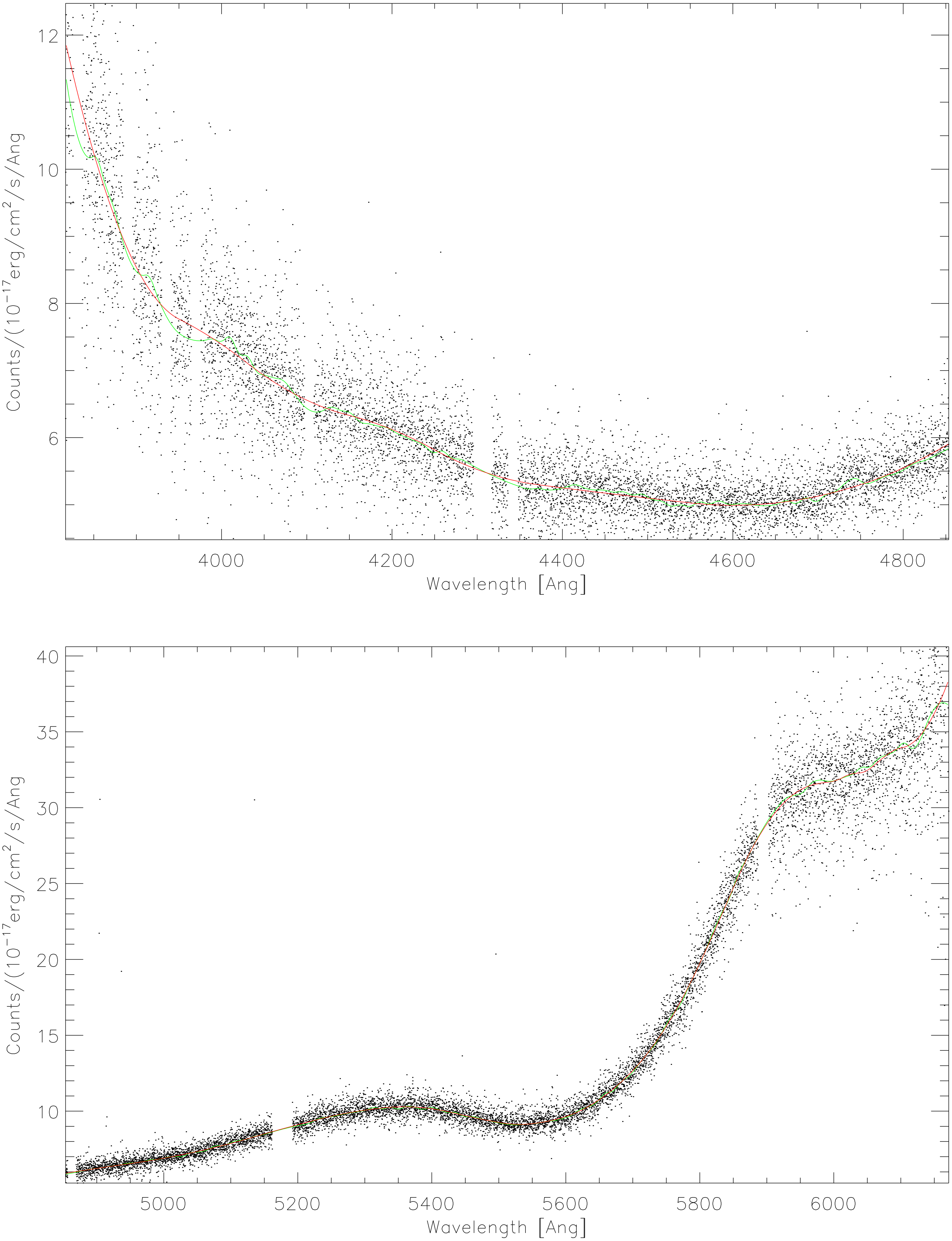

0.2
0.1
0.0
−0.1
−0.2
6000
6500
7000
7500
8000
8500
9000

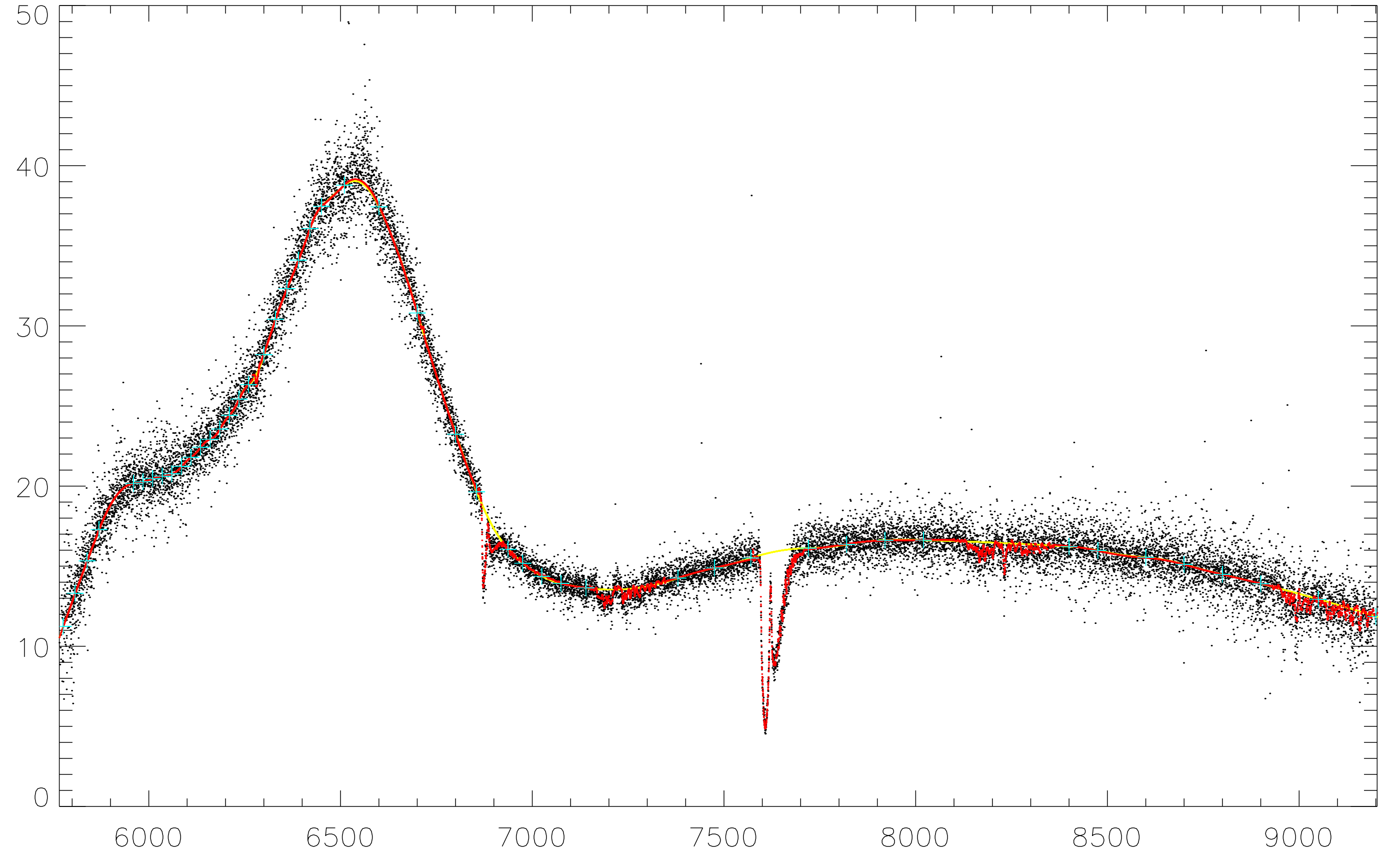

PLATE=2893 MJD=54515 Spectro−Photo Calib for r1−00050180
Counts/(10^{-17}erg/cm^2/s/Ang
10
15
20
25
30
35
40
5800
6000
6200
6400
6600
6800
7000
7200
Wavelength [Ang]
Counts/(10^{-17}erg/cm^2/s/Ang
6
8
10
12
14
16
18
7500
8000
8500
9000
Wavelength [Ang]

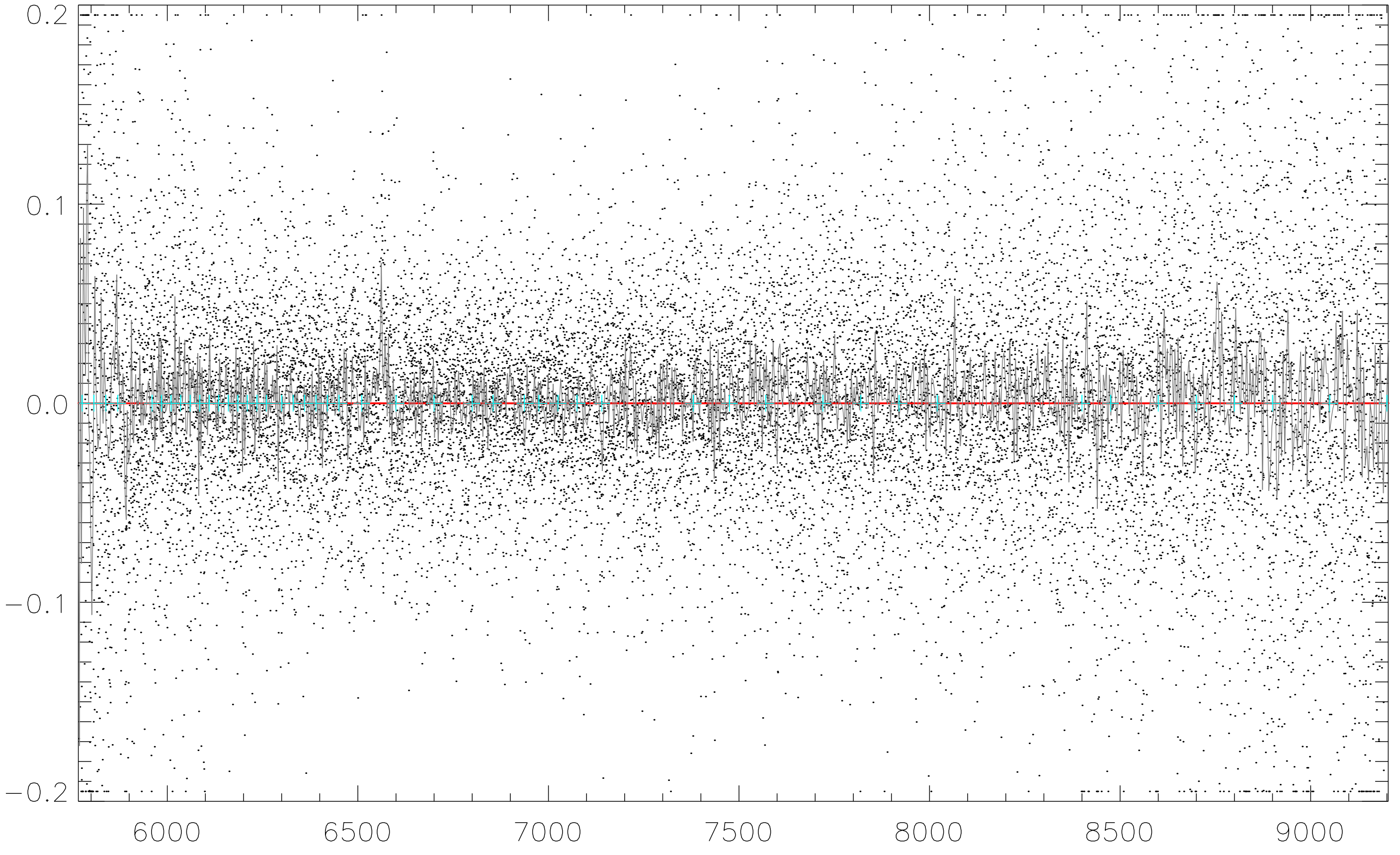

50
40
30
20
10
0
4000
4500
5000
5500
6000

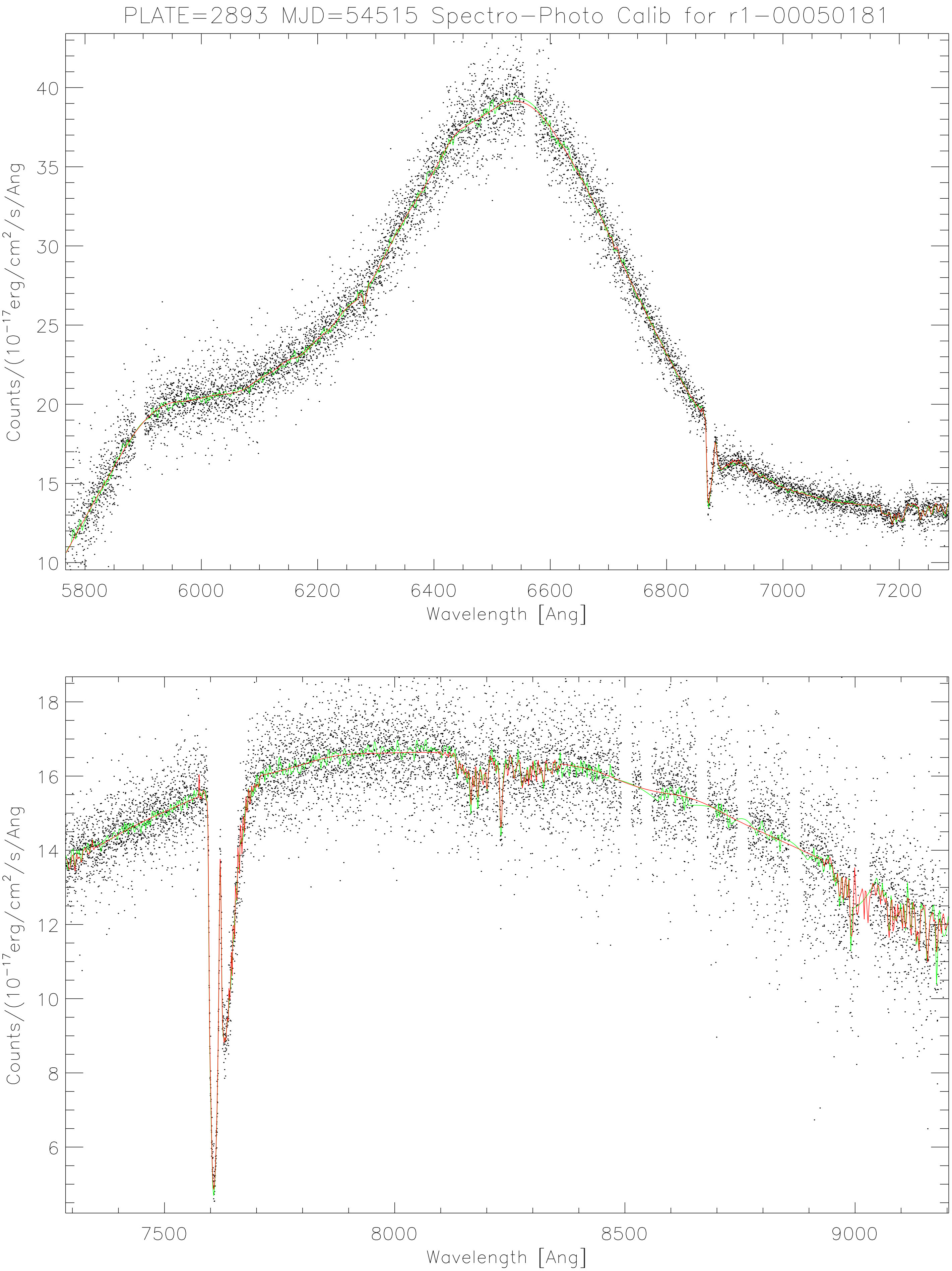

0.2
0.1
0.0
−0.1
−0.2
4000
4500
5000
5500
6000

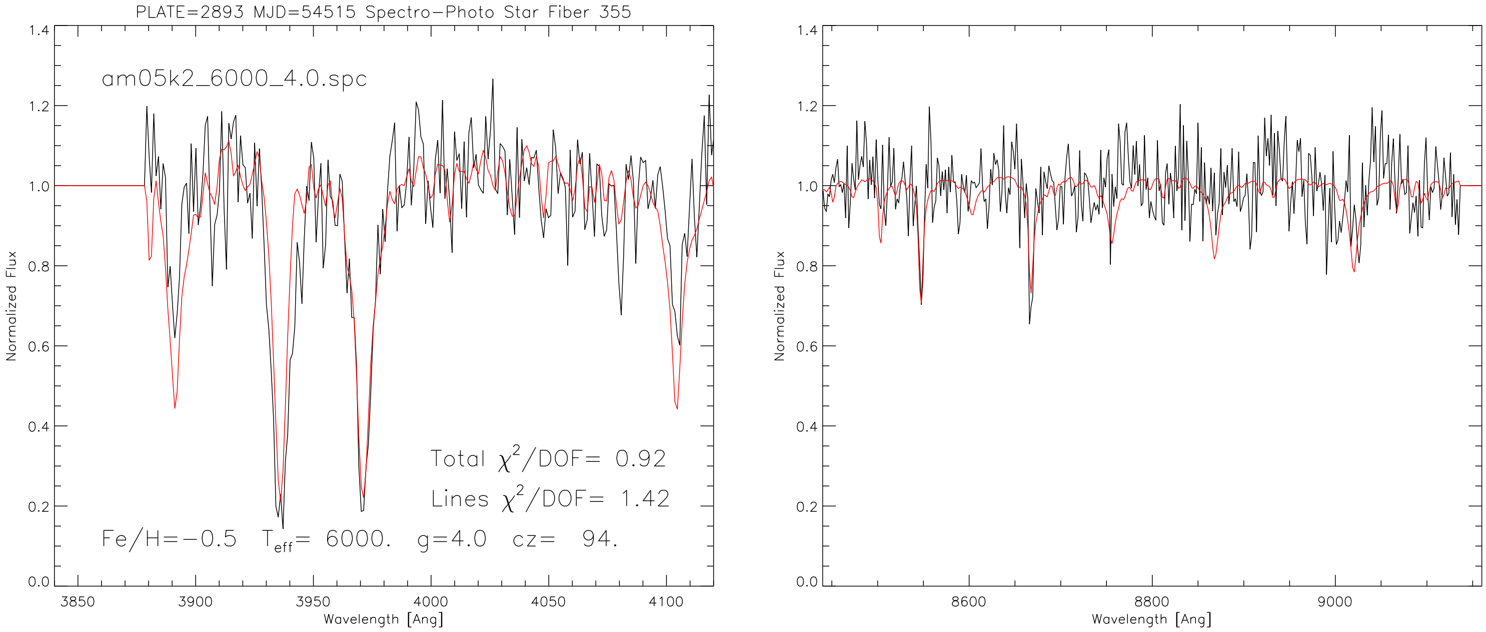
PLATE=2893 MJD=54515 Spectro−Photo Calib for b1−00050181

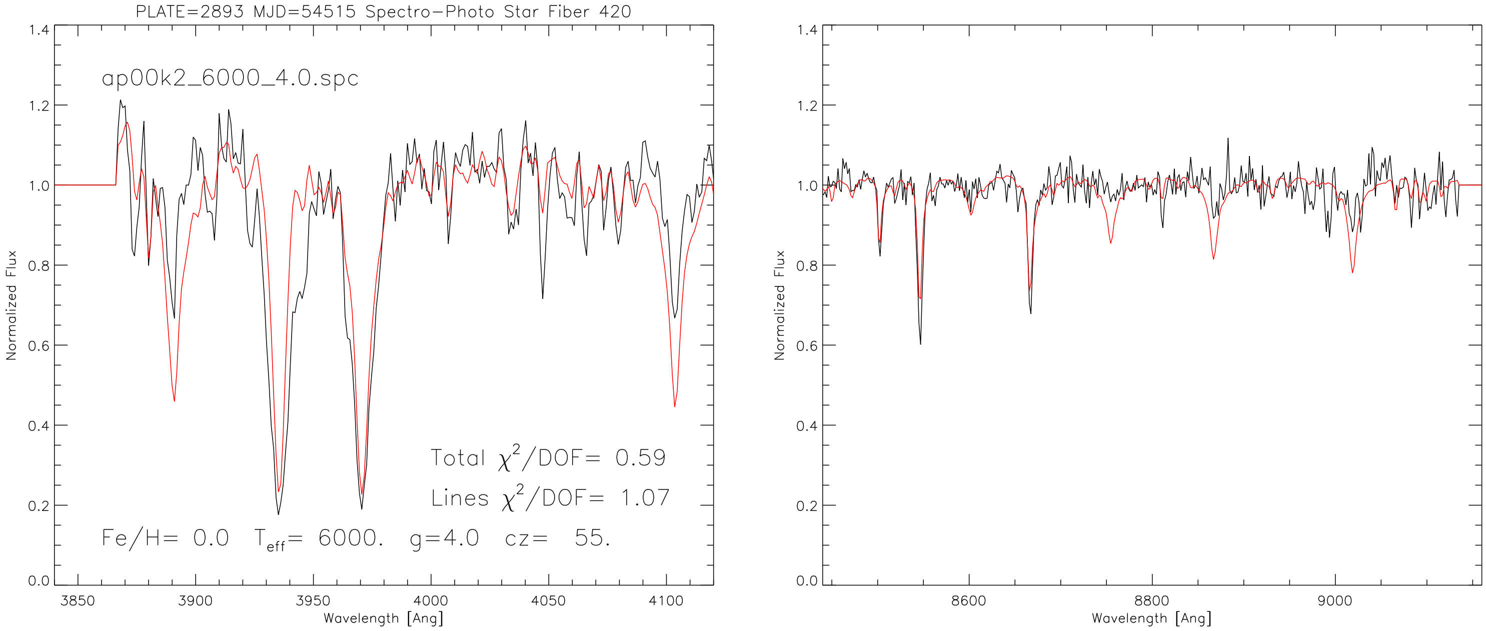


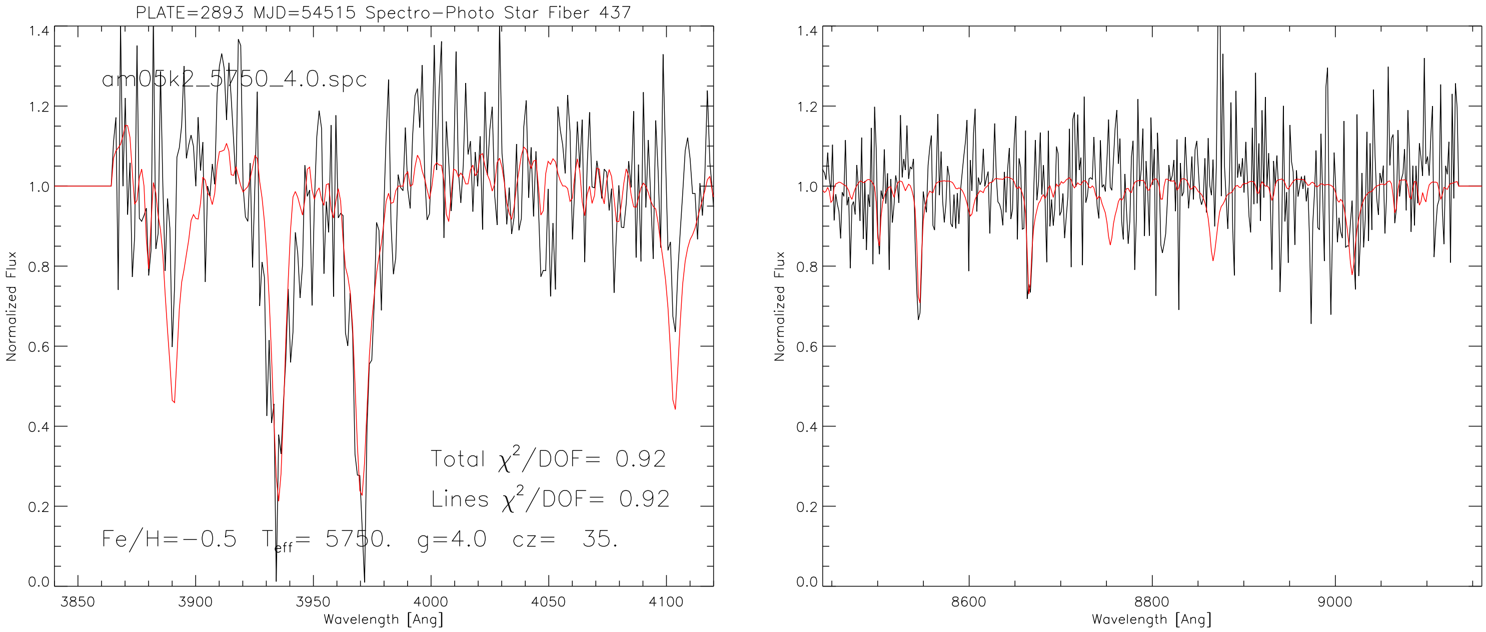

50
40
30
20
10
0
6000
6500
7000
7500
8000
8500
9000

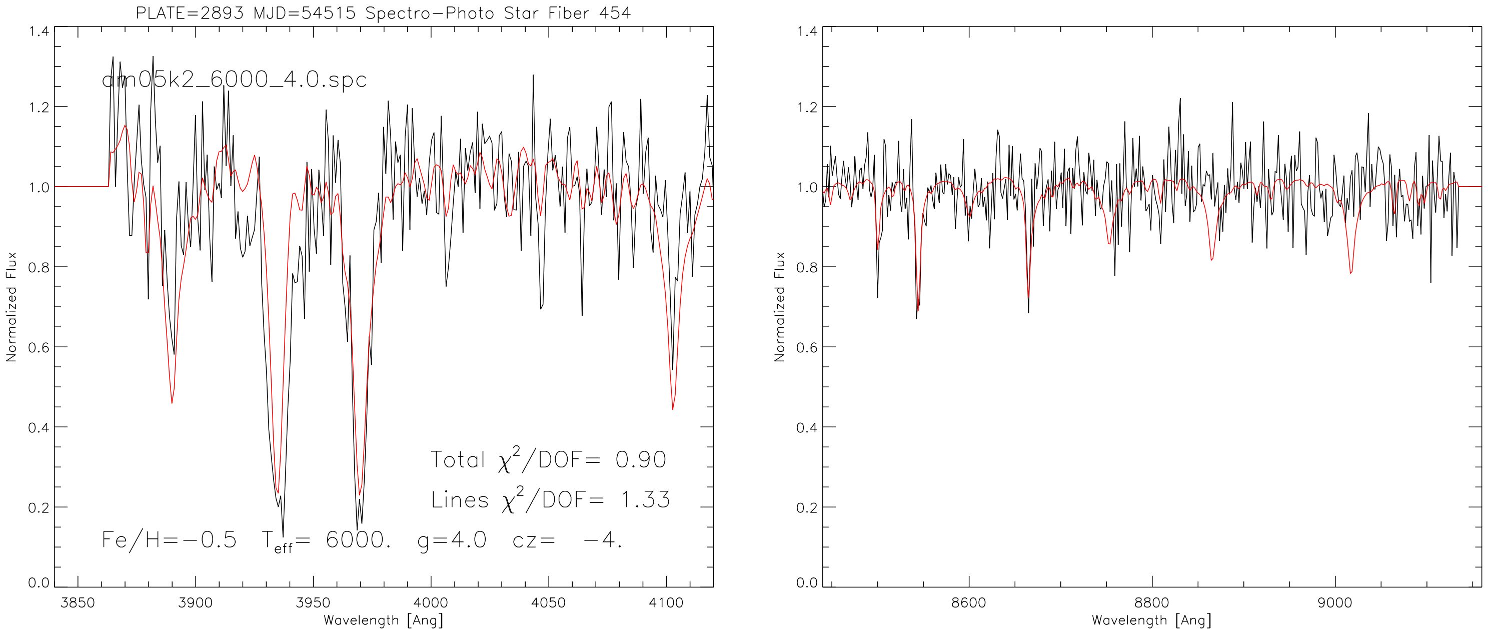

0.2
0.1
0.0
−0.1
−0.2
6000
6500
7000
7500
8000
8500
9000

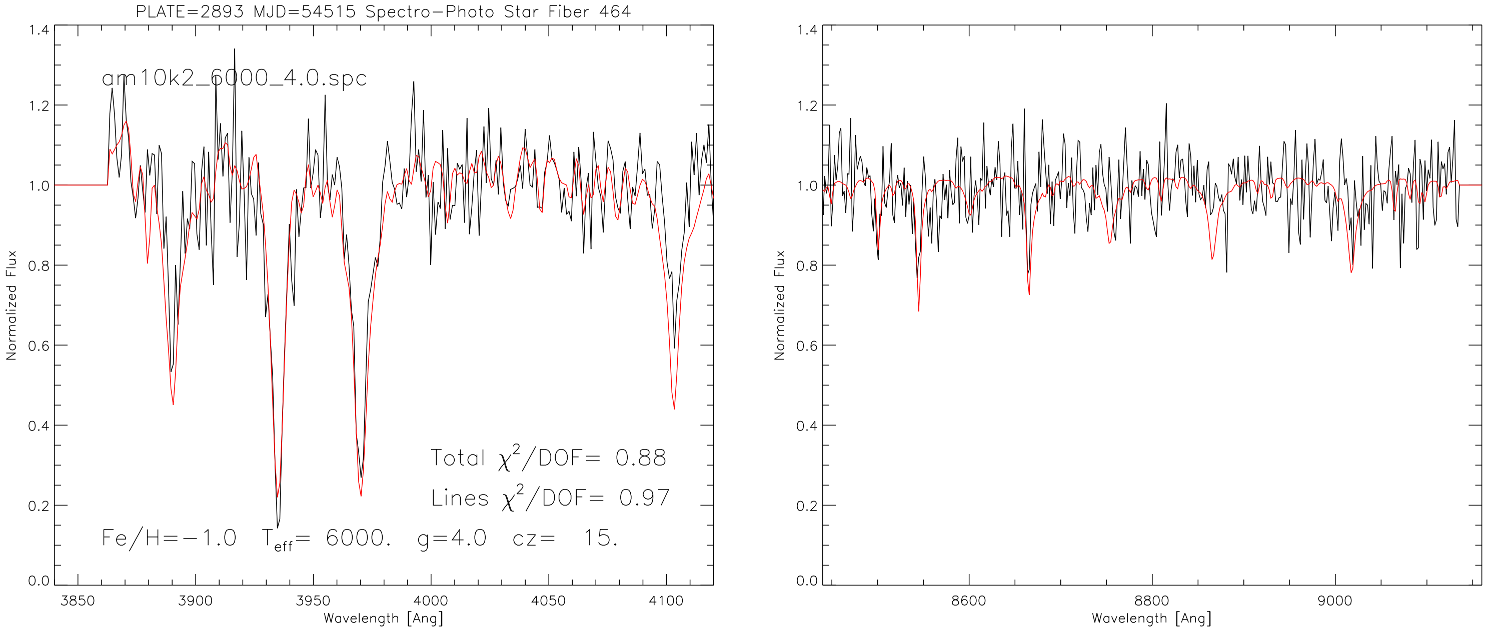

PLATE=2893 MJD=54515 Spectro−Photo Calib for r1−00050181

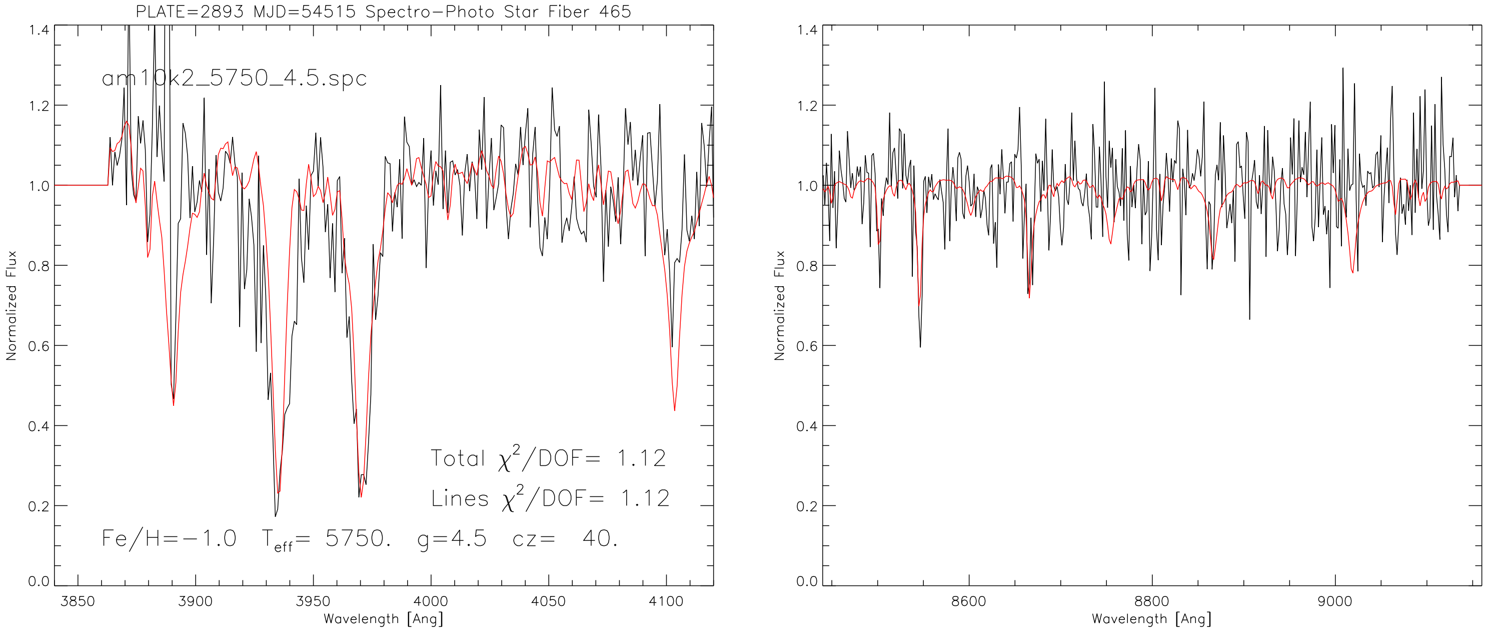

PLATE=2893 MJD=54515 Spectro−Photo Star Fiber 355
am05k2_6000_4.0.spc
Total χ^2/DOF= 0.92
Lines χ^2/DOF= 1.42
Fe/H=−0.5 T_{eff}= 6000. g=4.0 cz= 94.
Normalized Flux
Wavelength [Ang]
0.0
0.2
0.4
0.6
0.8
1.0
1.2
1.4
3850
3900
3950
4000
4050
4100
8600
8800
9000

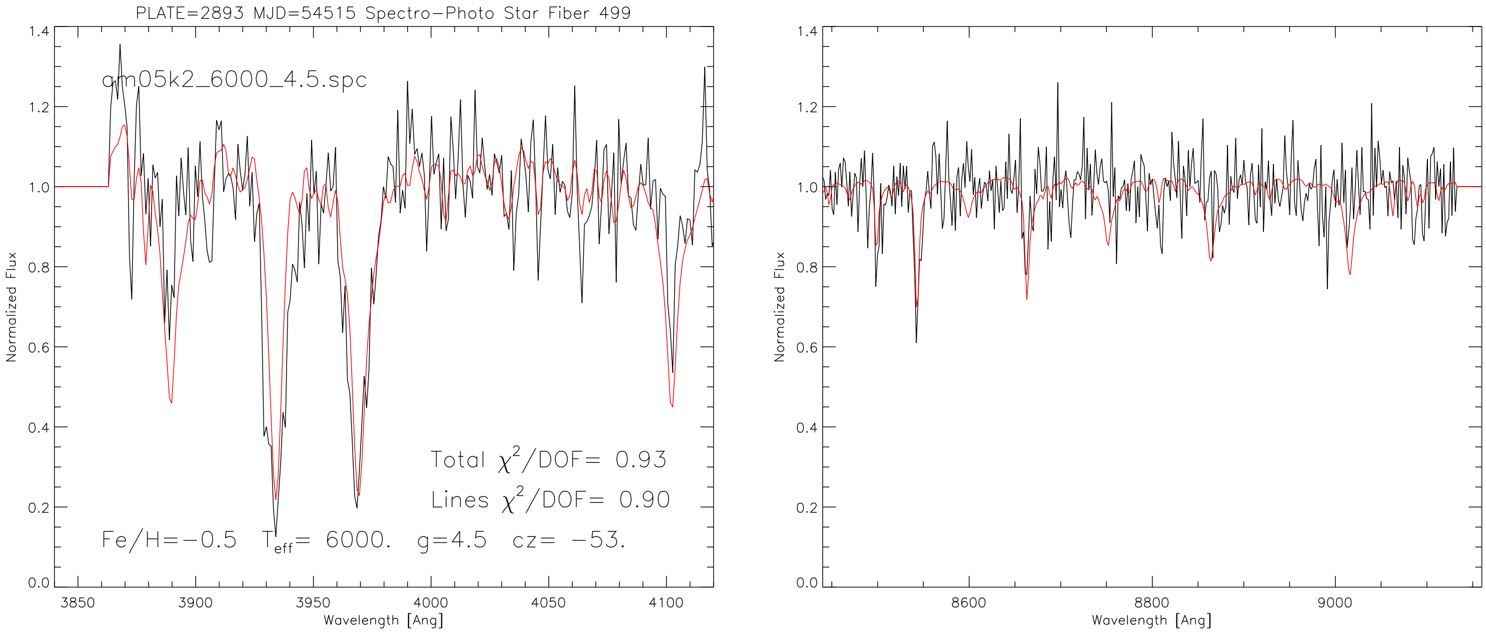

PLATE=2893 MJD=54515 Spectro−Photo Star Fiber 420
ap00k2_6000_4.0.spc
Total χ^2/DOF= 0.59
Lines χ^2/DOF= 1.07
Fe/H= 0.0 T_{eff}= 6000. g=4.0 cz= 55.
Normalized Flux
Wavelength [Ang]
0.0
0.2
0.4
0.6
0.8
1.0
1.2
1.4
3850
3900
3950
4000
4050
4100
8600
8800
9000

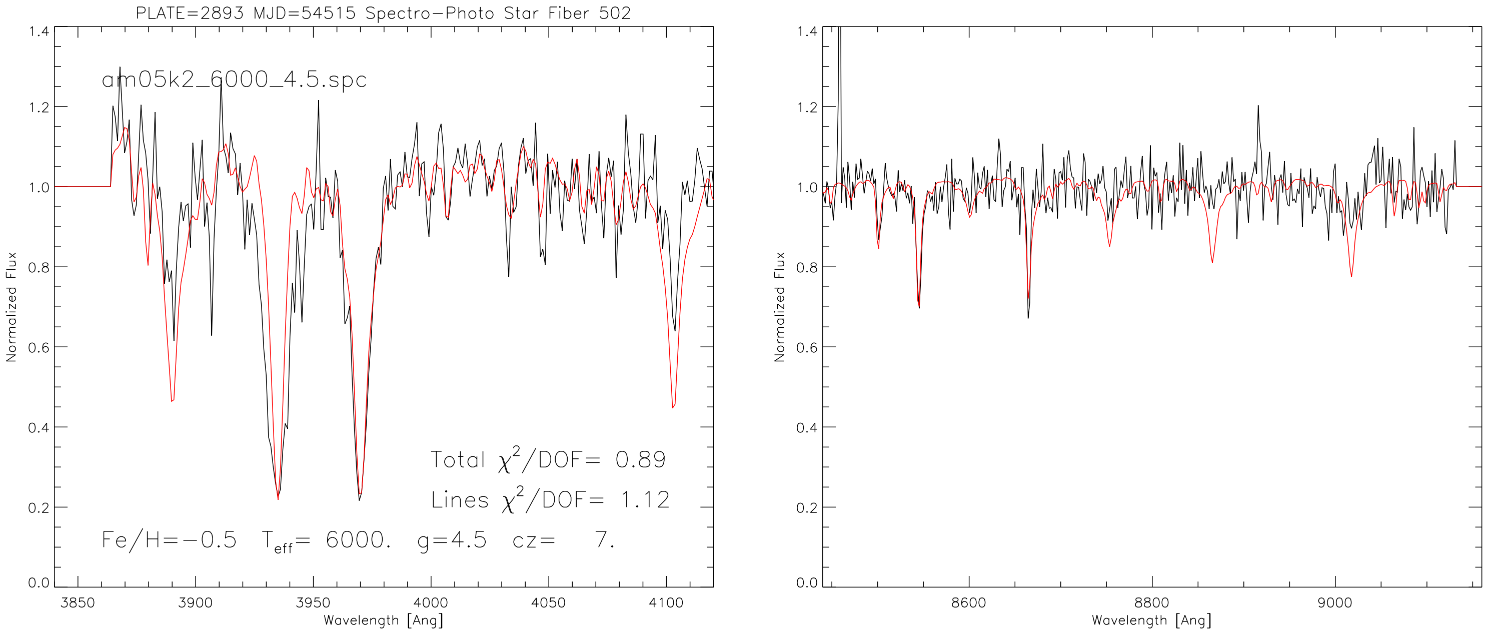

PLATE=2893 MJD=54515 Spectro−Photo Star Fiber 437
am05k2_5750_4.0.spc
Total χ^2/DOF= 0.92
Lines χ^2/DOF= 0.92
Fe/H=−0.5 T_{eff}= 5750. g=4.0 cz= 35.
Normalized Flux
Wavelength [Ang]
0.0
0.2
0.4
0.6
0.8
1.0
1.2
1.4
3850
3900
3950
4000
4050
4100
8600
8800
9000

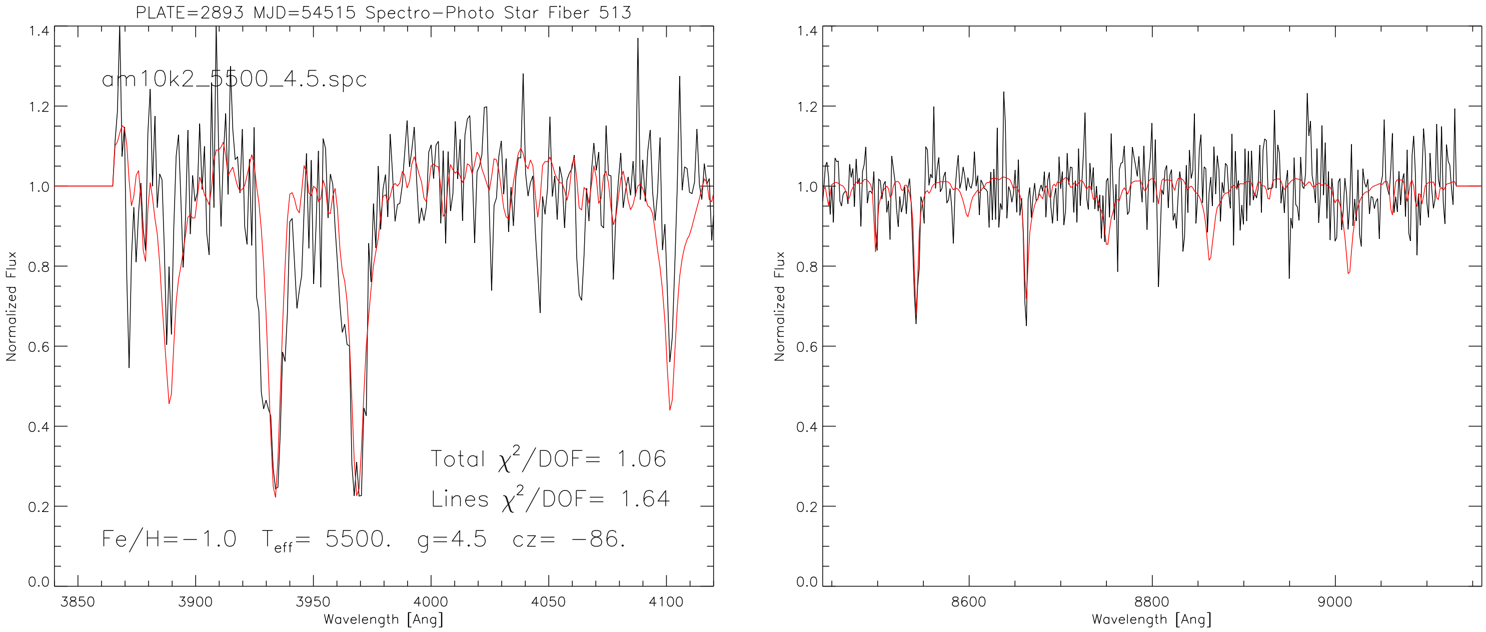

PLATE=2893 MJD=54515 Spectro−Photo Star Fiber 454
am05k2_6000_4.0.spc
Total χ^2/DOF= 0.90
Lines χ^2/DOF= 1.33
Fe/H=−0.5 T_{eff}= 6000. g=4.0 cz= −4.
Normalized Flux
Wavelength [Ang]
0.0
0.2
0.4
0.6
0.8
1.0
1.2
1.4
3850
3900
3950
4000
4050
4100
8600
8800
9000

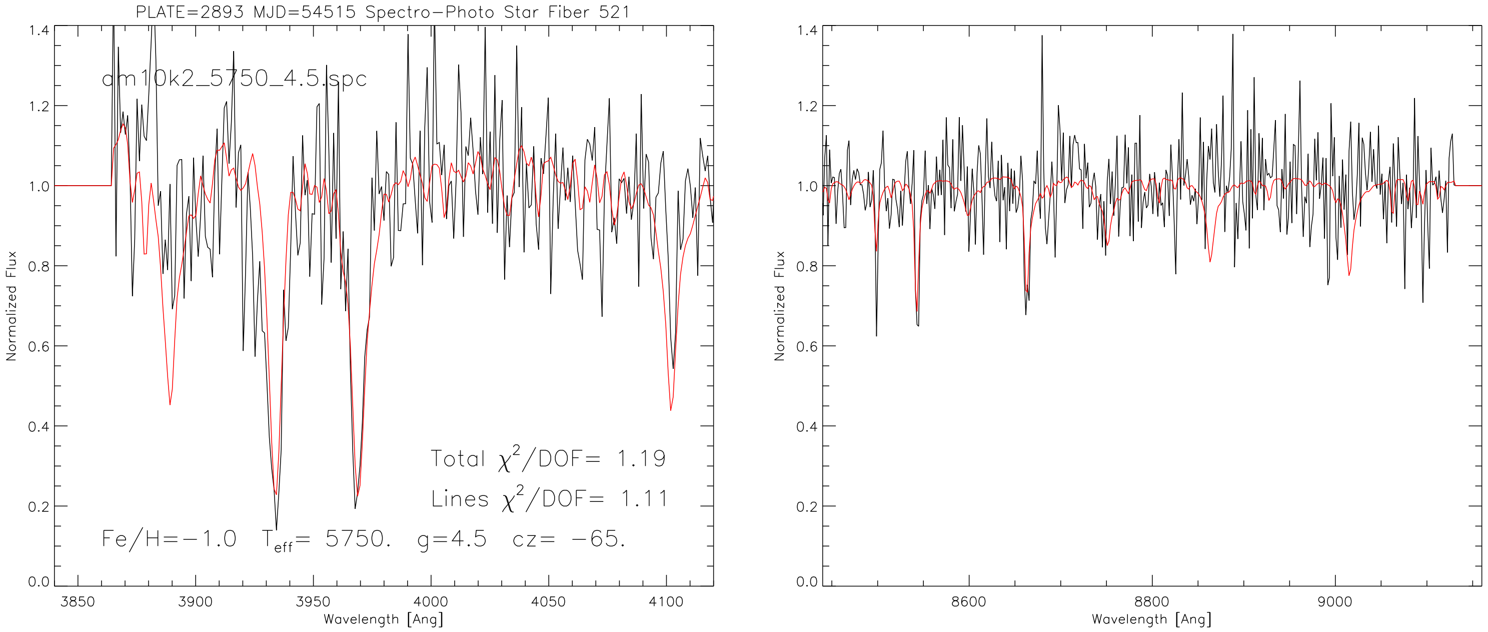

PLATE=2893 MJD=54515 Spectro−Photo Star Fiber 464
am10k2_6000_4.0.spc
Total χ^2/DOF= 0.88
Lines χ^2/DOF= 0.97
Fe/H=−1.0 T_{eff}= 6000. g=4.0 cz= 15.
Normalized Flux
Wavelength [Ang]
0.0
0.2
0.4
0.6
0.8
1.0
1.2
1.4
3850
3900
3950
4000
4050
4100
8600
8800
9000

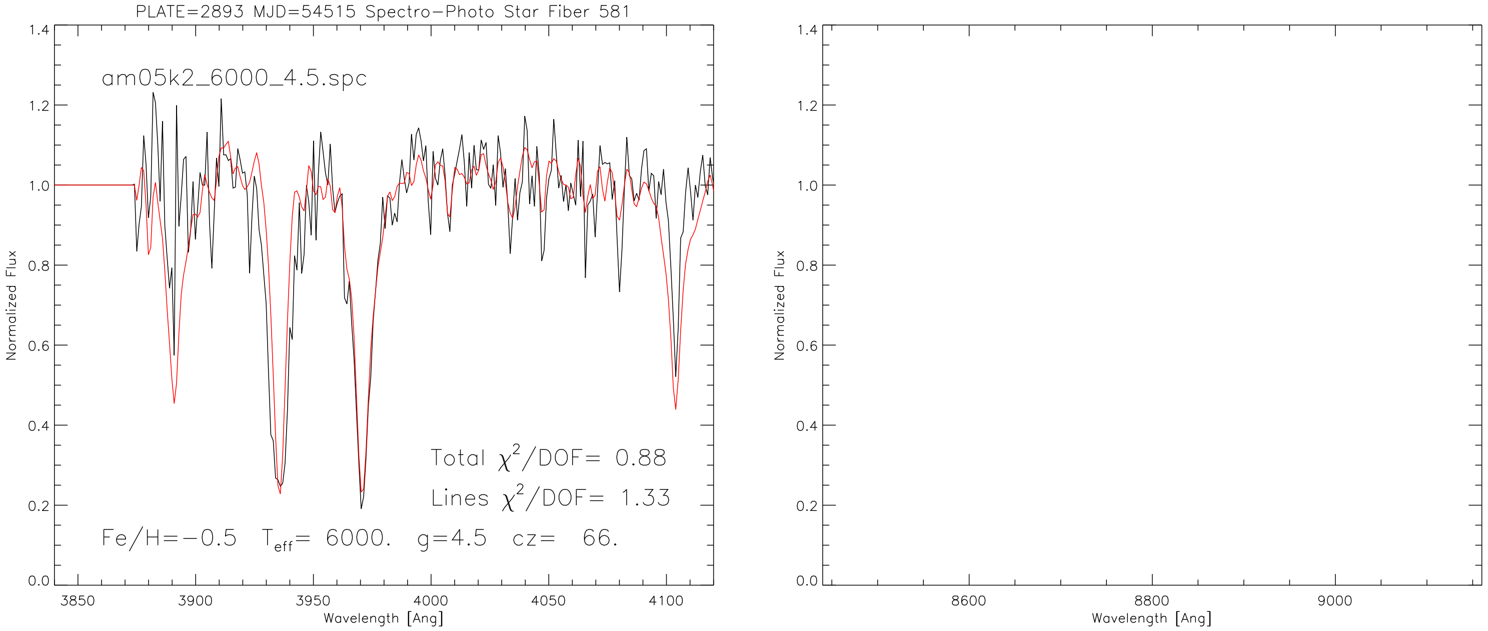

PLATE=2893 MJD=54515 Spectro−Photo Star Fiber 465
am10k2_5750_4.5.spc
Total χ^2/DOF= 1.12
Lines χ^2/DOF= 1.12
Fe/H=−1.0 T_{eff}= 5750. g=4.5 cz= 40.
Normalized Flux
Wavelength [Ang]
0.0
0.2
0.4
0.6
0.8
1.0
1.2
1.4
3850
3900
3950
4000
4050
4100
8600
8800
9000

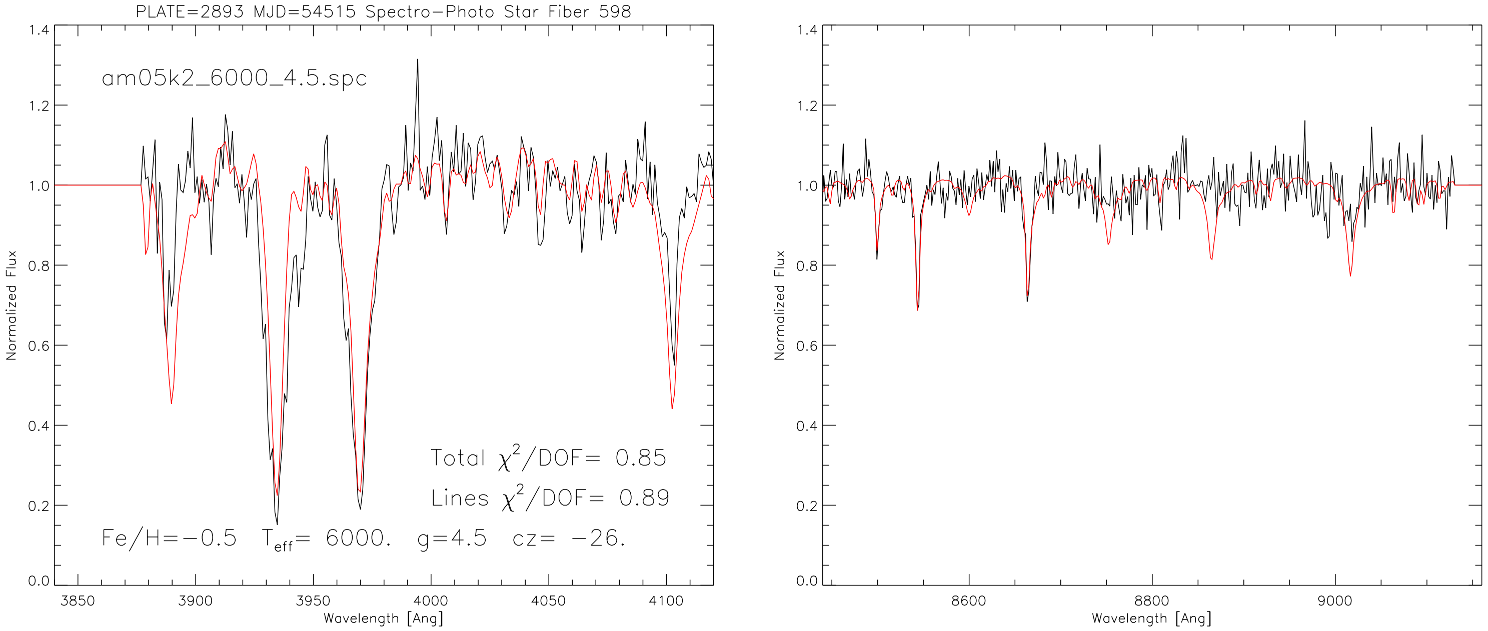

PLATE=2893 MJD=54515 Spectro-Photo Star Fiber 499
am05k2_6000_4.5.spc
Total χ^2/DOF= 0.93
Lines χ^2/DOF= 0.90
Fe/H=−0.5 T_{eff}= 6000. g=4.5 cz= −53.
Normalized Flux
Wavelength [Ang]
0.0
0.2
0.4
0.6
0.8
1.0
1.2
1.4
3850
3900
3950
4000
4050
4100
8600
8800
9000

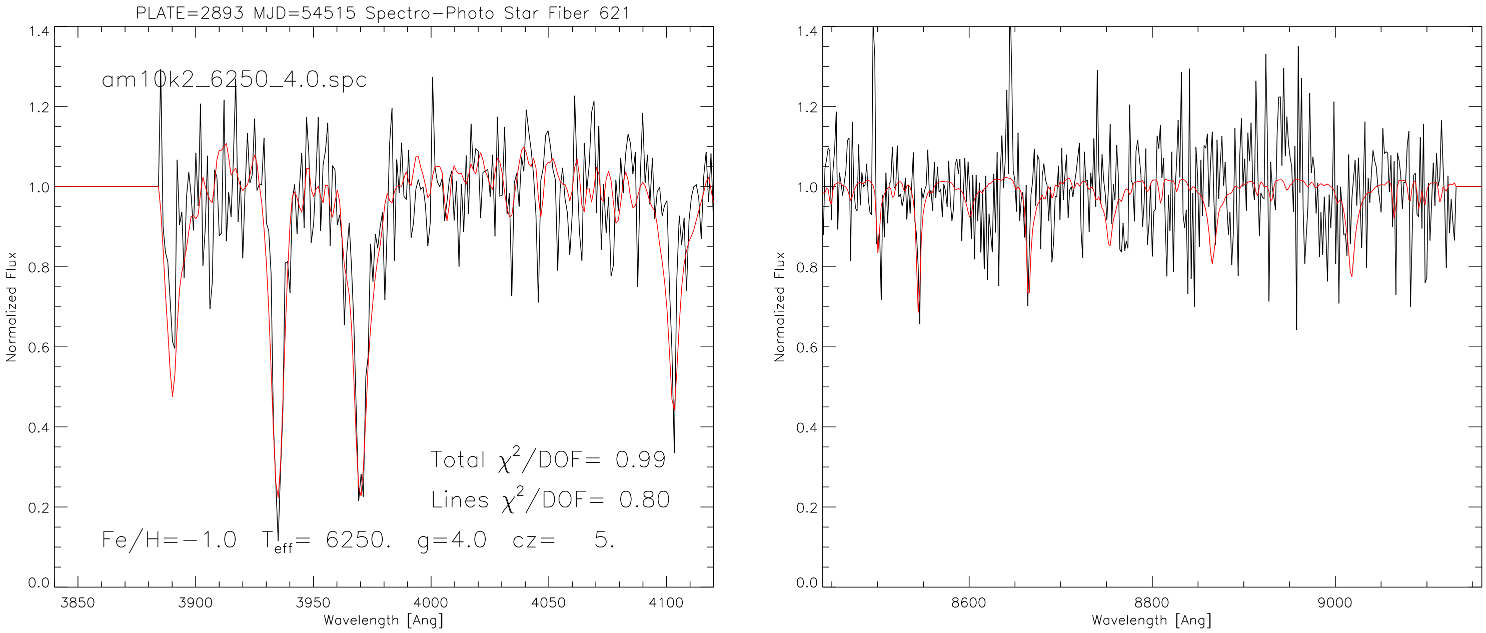

PLATE=2893 MJD=54515 Spectro-Photo Star Fiber 502
am05k2_6000_4.5.spc
Total χ^2/DOF= 0.89
Lines χ^2/DOF= 1.12
Fe/H=−0.5 T_{eff}= 6000. g=4.5 cz= 7.
Normalized Flux
Wavelength [Ang]
0.0
0.2
0.4
0.6
0.8
1.0
1.2
1.4
3850
3900
3950
4000
4050
4100
8600
8800
9000

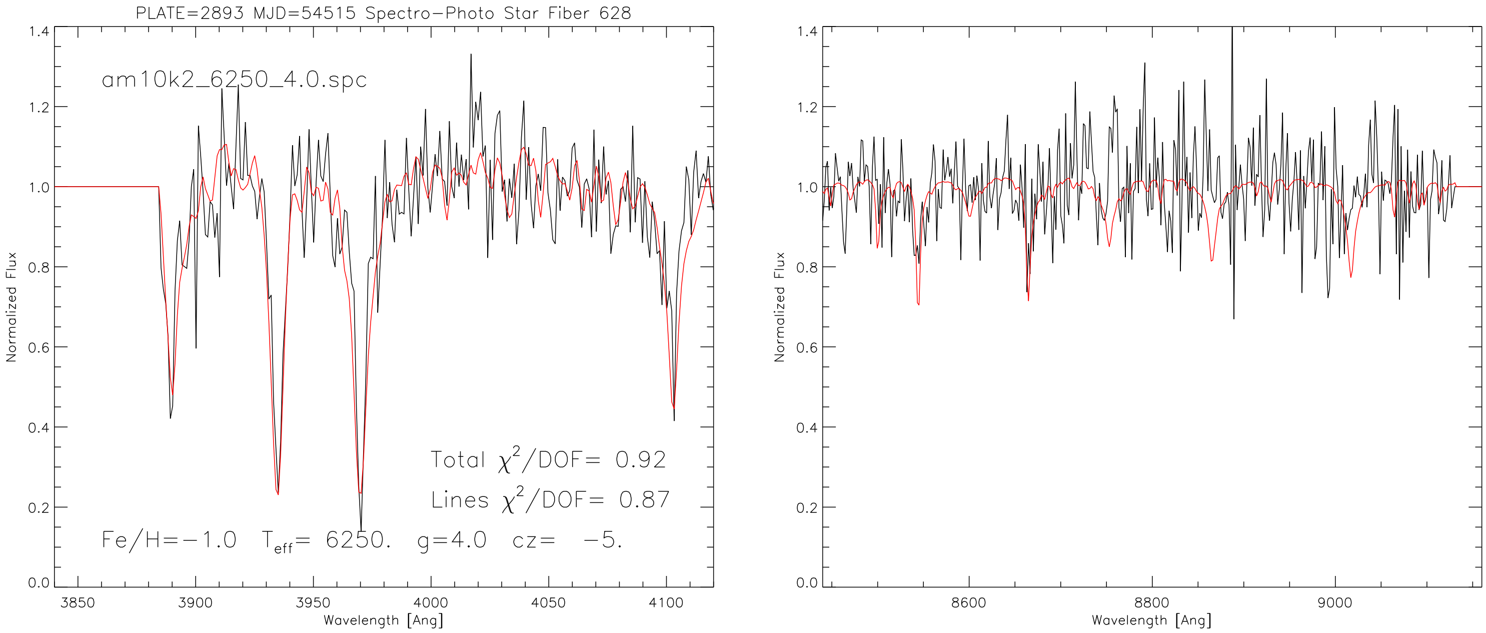

PLATE=2893 MJD=54515 Spectro-Photo Star Fiber 513
am10k2_5500_4.5.spc
Total χ^2/DOF= 1.06
Lines χ^2/DOF= 1.64
Fe/H=−1.0 T_{eff}= 5500. g=4.5 cz= −86.
Normalized Flux
Wavelength [Ang]
0.0
0.2
0.4
0.6
0.8
1.0
1.2
1.4
3850
3900
3950
4000
4050
4100
8600
8800
9000

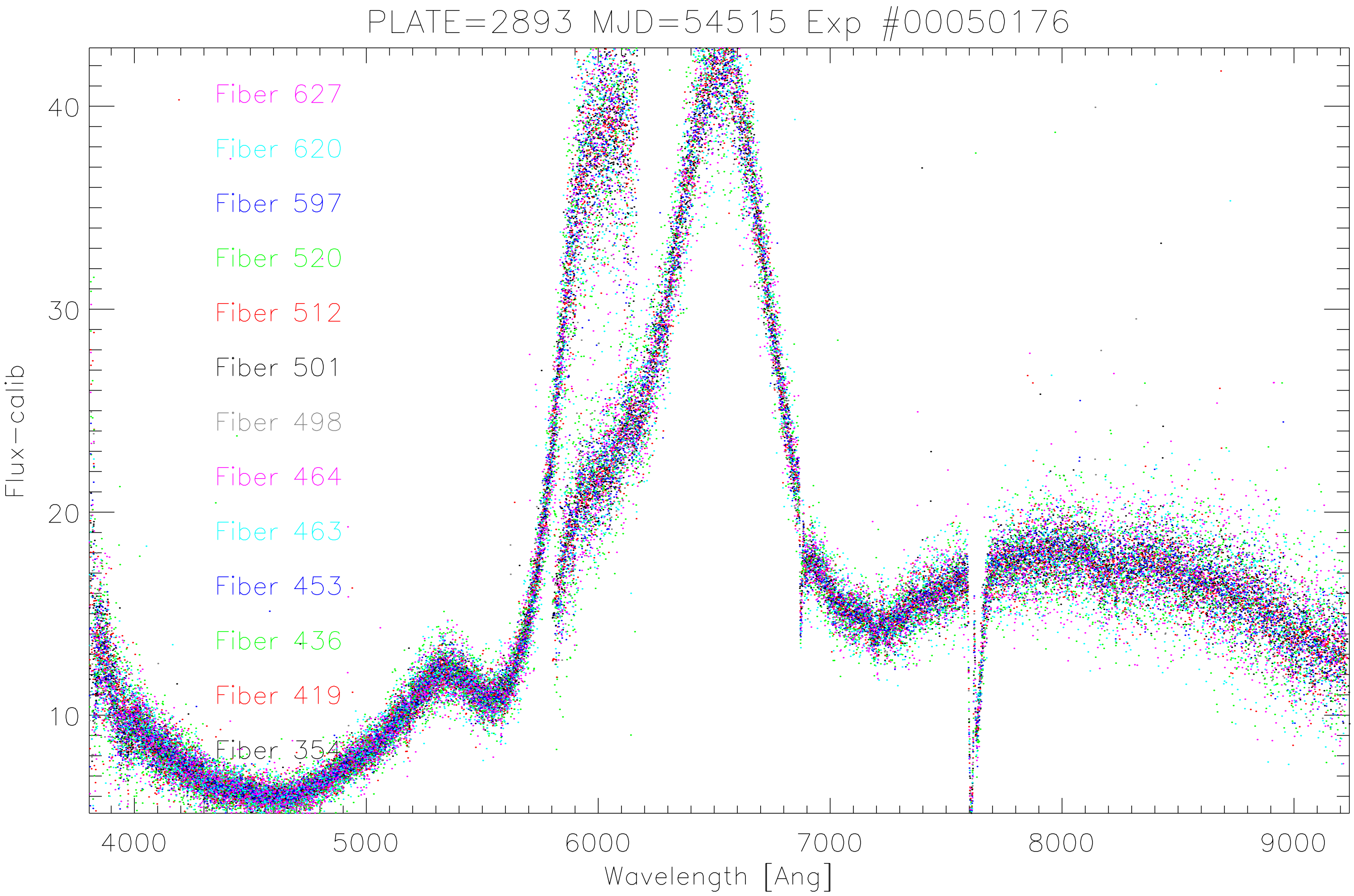

PLATE=2893 MJD=54515 Spectro−Photo Star Fiber 521
am10k2_5750_4.5.spc
Total χ²/DOF= 1.19
Lines χ²/DOF= 1.11
Fe/H=−1.0 T_eff= 5750. g=4.5 cz= −65.
Normalized Flux
Wavelength [Ang]
0.0
0.2
0.4
0.6
0.8
1.0
1.2
1.4
3850
3900
3950
4000
4050
4100
8600
8800
9000


PLATE=2893 MJD=54515 Spectro−Photo Star Fiber 581
am05k2_6000_4.5.spc
Total χ²/DOF= 0.88
Lines χ²/DOF= 1.33
Fe/H=−0.5 T_eff= 6000. g=4.5 cz= 66.
Normalized Flux
Wavelength [Ang]
0.0
0.2
0.4
0.6
0.8
1.0
1.2
1.4
3850
3900
3950
4000
4050
4100
8600
8800
9000

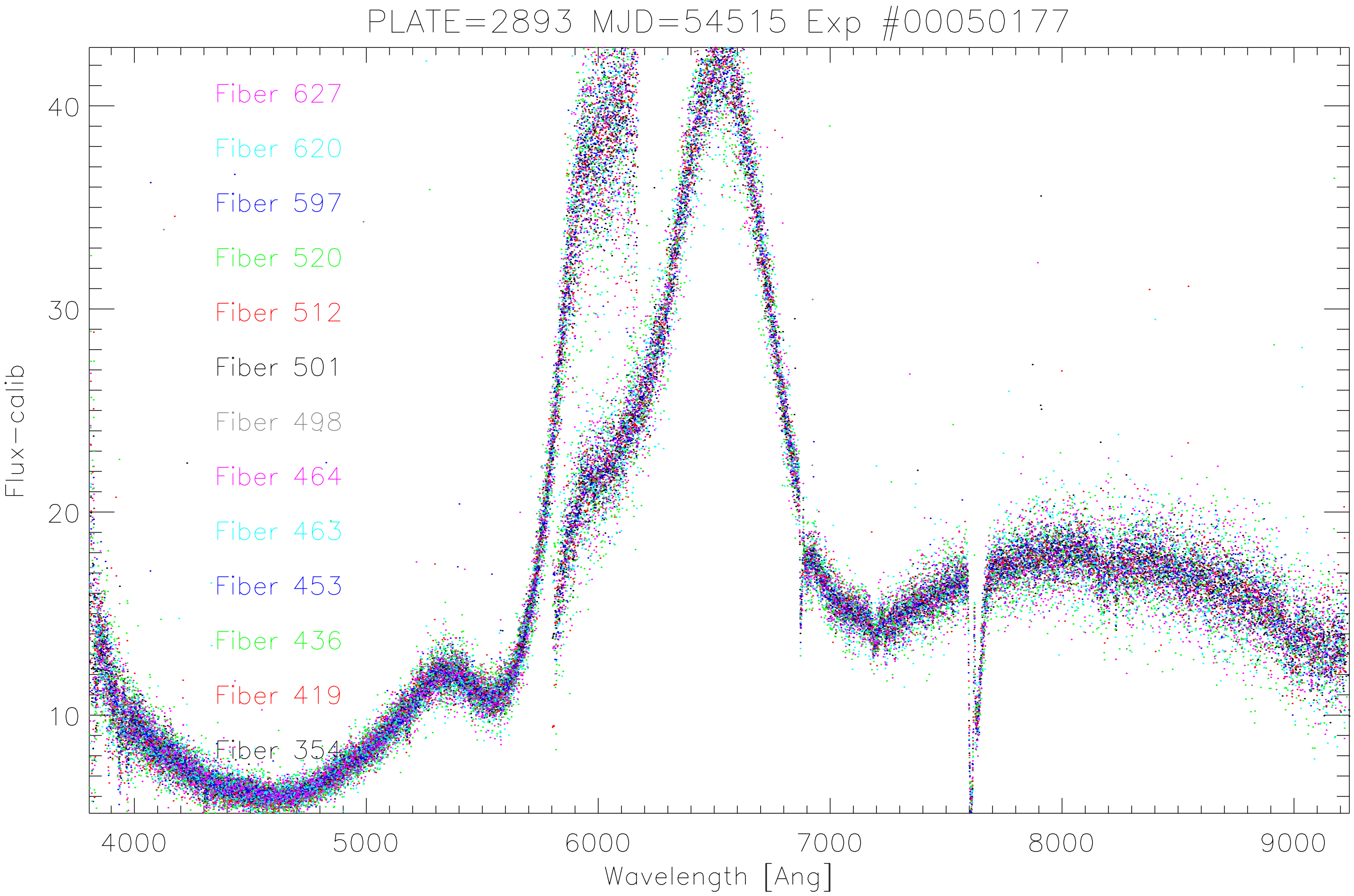

PLATE=2893 MJD=54515 Spectro−Photo Star Fiber 598
am05k2_6000_4.5.spc
Total χ²/DOF= 0.85
Lines χ²/DOF= 0.89
Fe/H=−0.5 T_eff= 6000. g=4.5 cz= −26.
Normalized Flux
Wavelength [Ang]
0.0
0.2
0.4
0.6
0.8
1.0
1.2
1.4
3850
3900
3950
4000
4050
4100
8600
8800
9000


PLATE=2893 MJD=54515 Spectro−Photo Star Fiber 621
am10k2_6250_4.0.spc
Total χ^2/DOF= 0.99
Lines χ^2/DOF= 0.80
Fe/H=−1.0 T_{eff}= 6250. g=4.0 cz= 5.
Normalized Flux
Wavelength [Ang]
0.0
0.2
0.4
0.6
0.8
1.0
1.2
1.4
3850
3900
3950
4000
4050
4100
8600
8800
9000

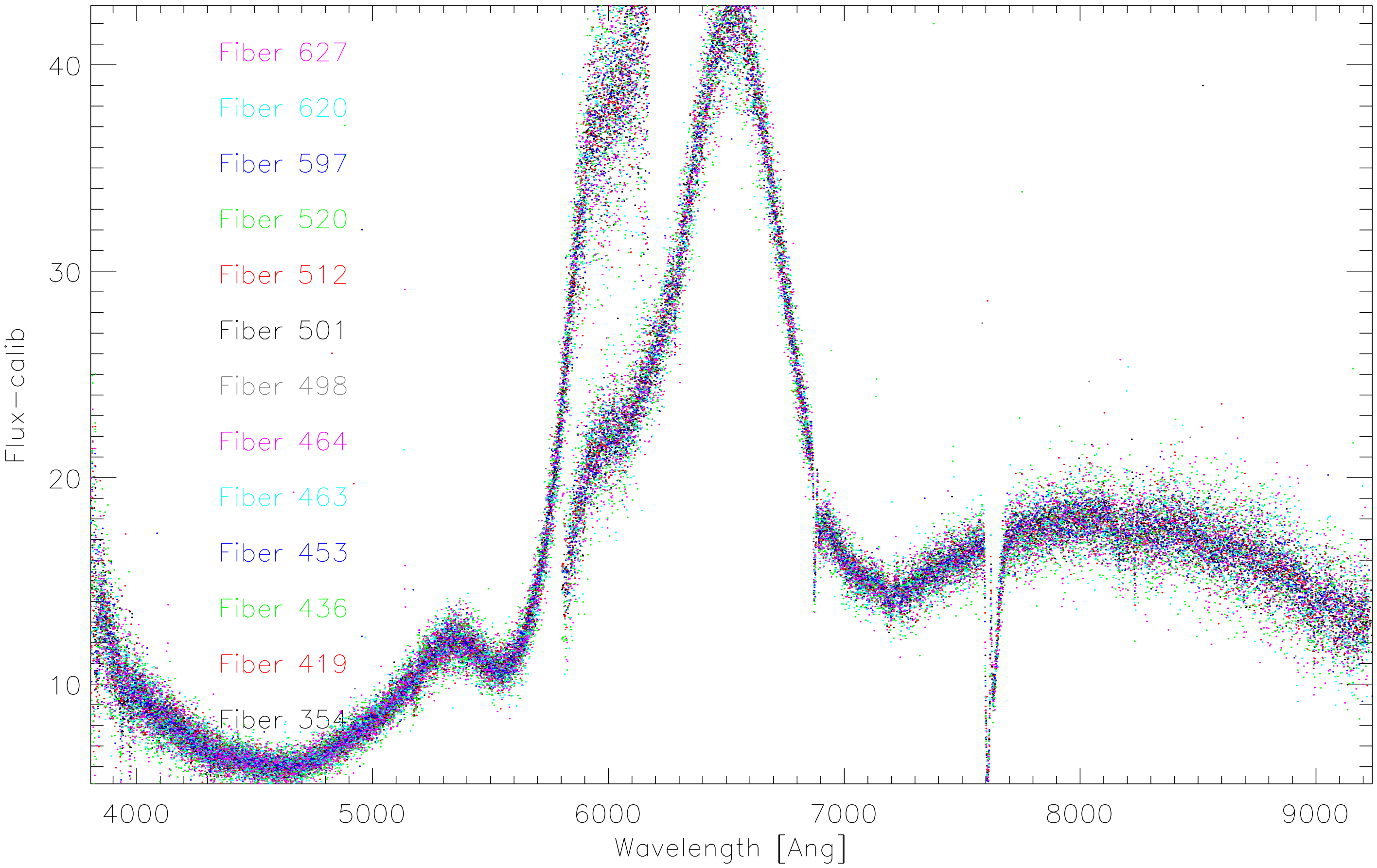

PLATE=2893 MJD=54515 Spectro−Photo Star Fiber 628
am10k2_6250_4.0.spc
Total χ^2/DOF= 0.92
Lines χ^2/DOF= 0.87
Fe/H=−1.0 T_{eff}= 6250. g=4.0 cz= −5.
Normalized Flux
Wavelength [Ang]
0.0
0.2
0.4
0.6
0.8
1.0
1.2
1.4
3850
3900
3950
4000
4050
4100
8600
8800
9000



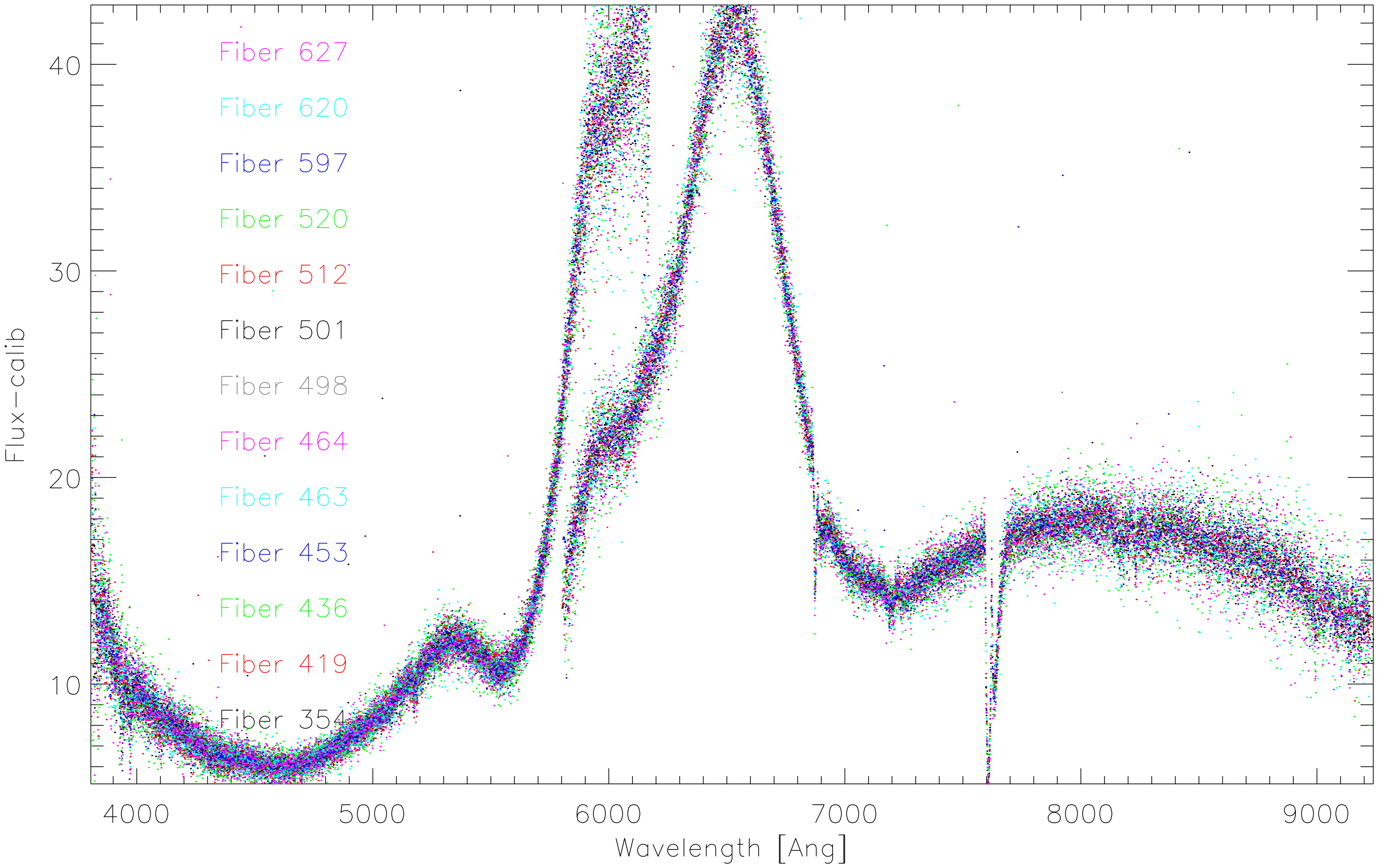
PLATE=2893 MJD=54515 Exp #00050176



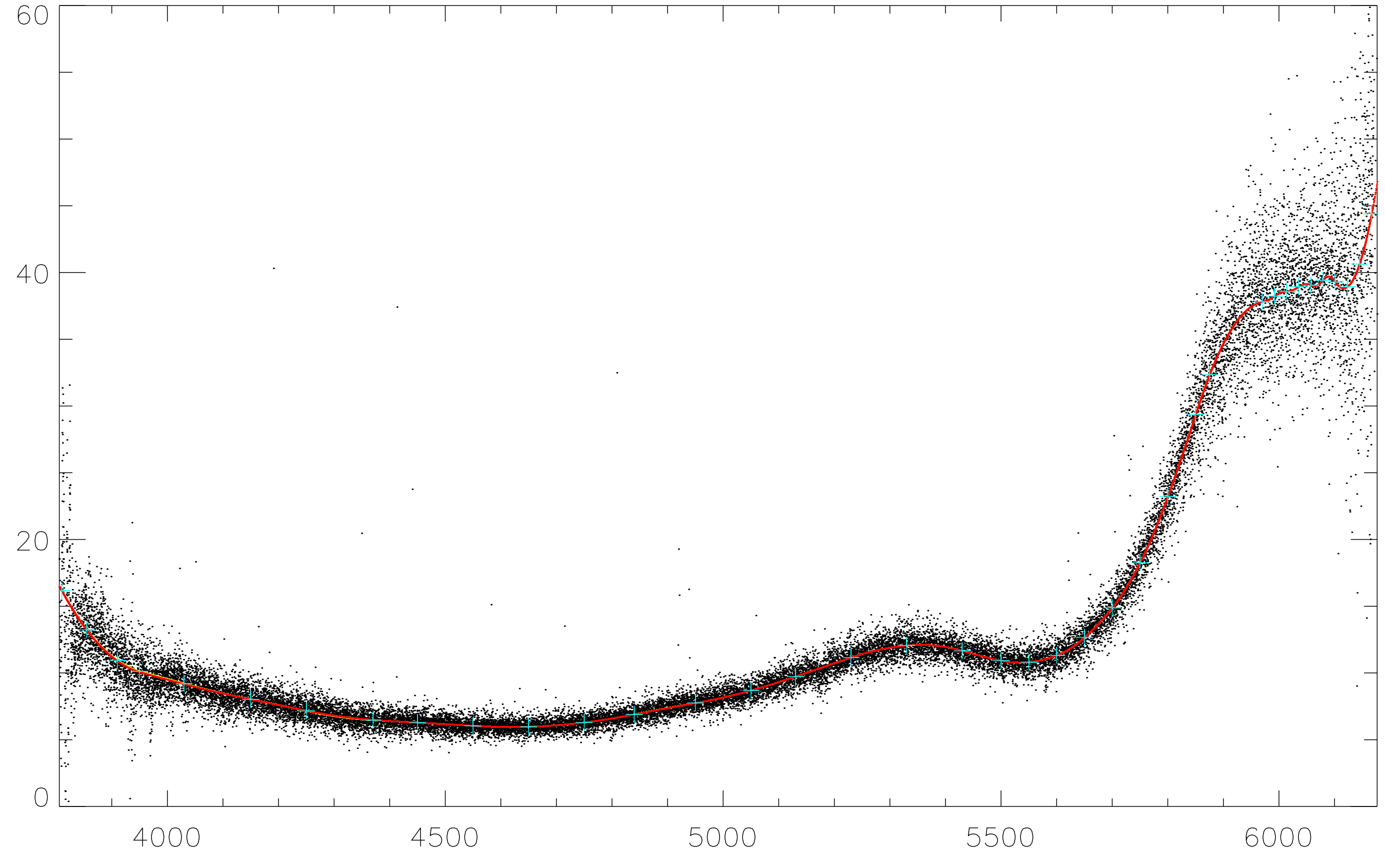
PLATE=2893 MJD=54515 Exp #00050177

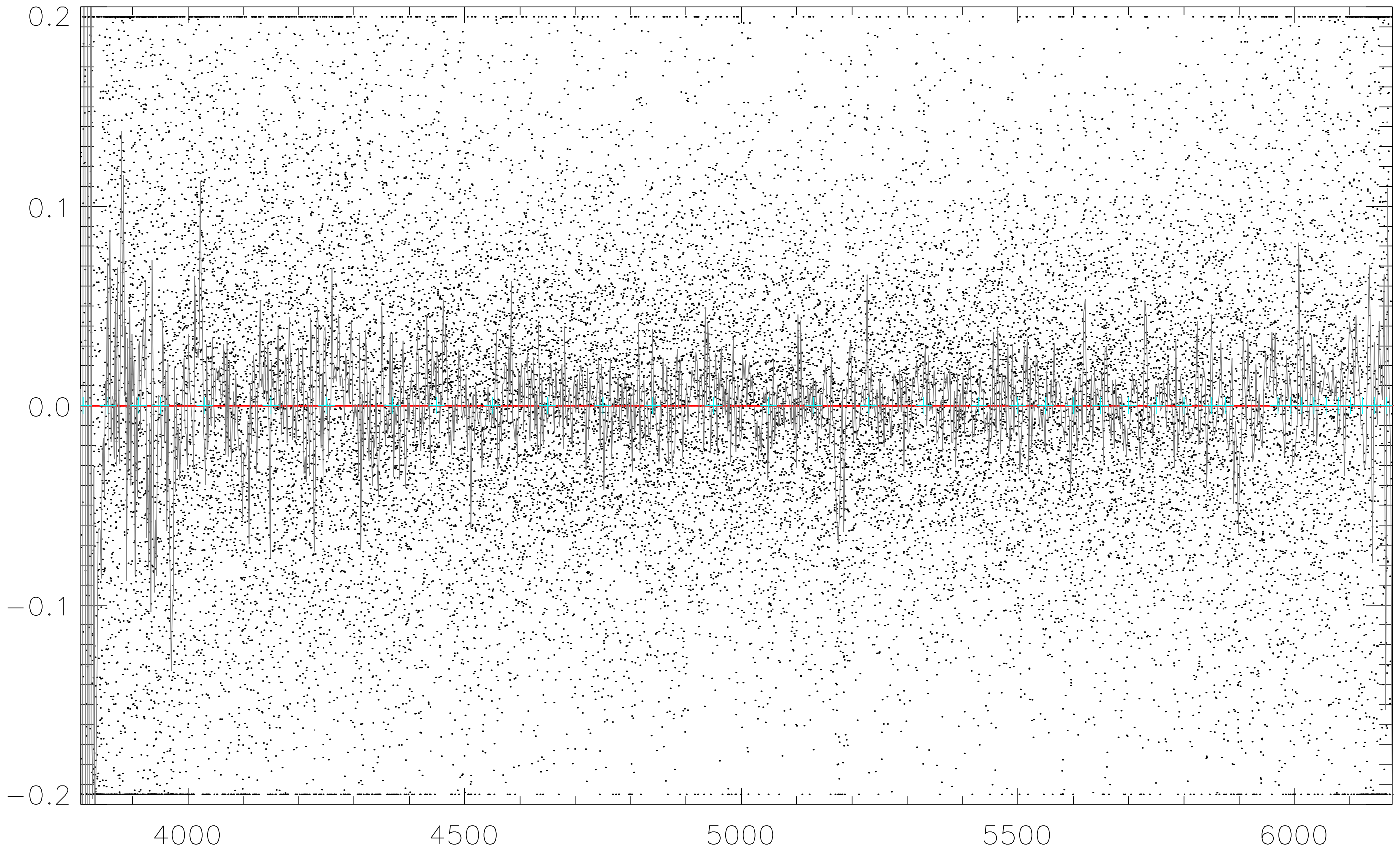


PLATE=2893 MJD=54515 Exp #00050180

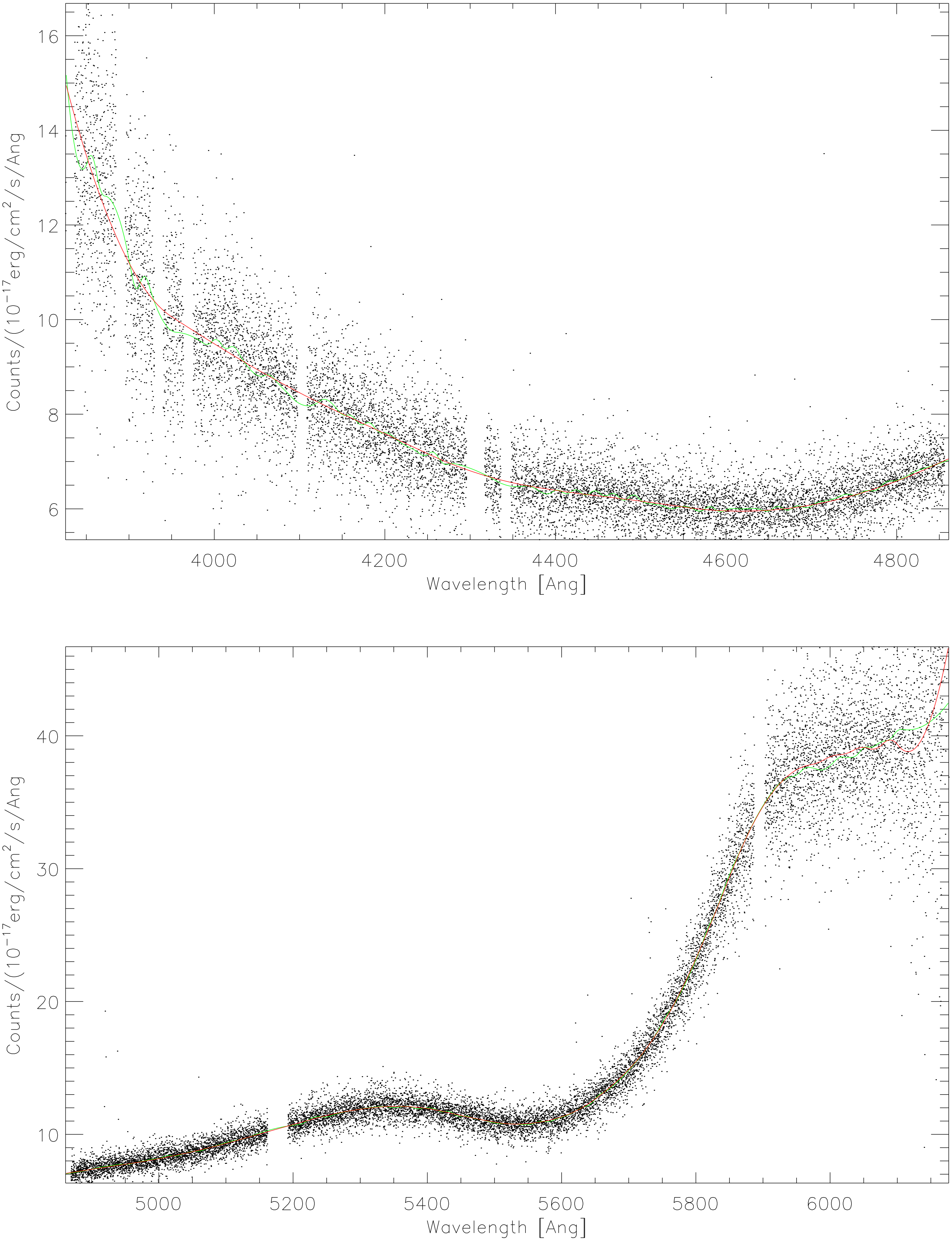


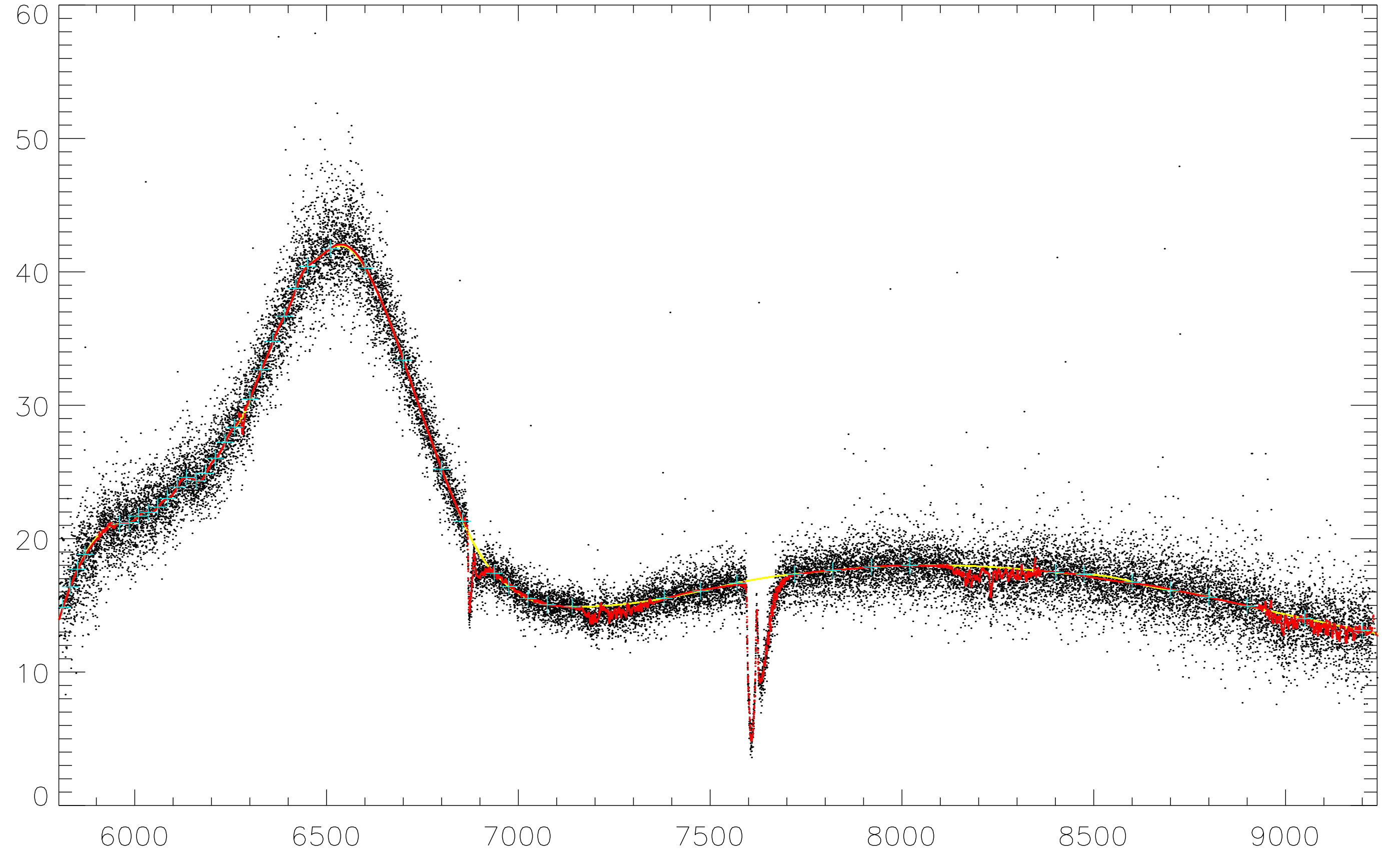
PLATE=2893 MJD=54515 Exp #00050181

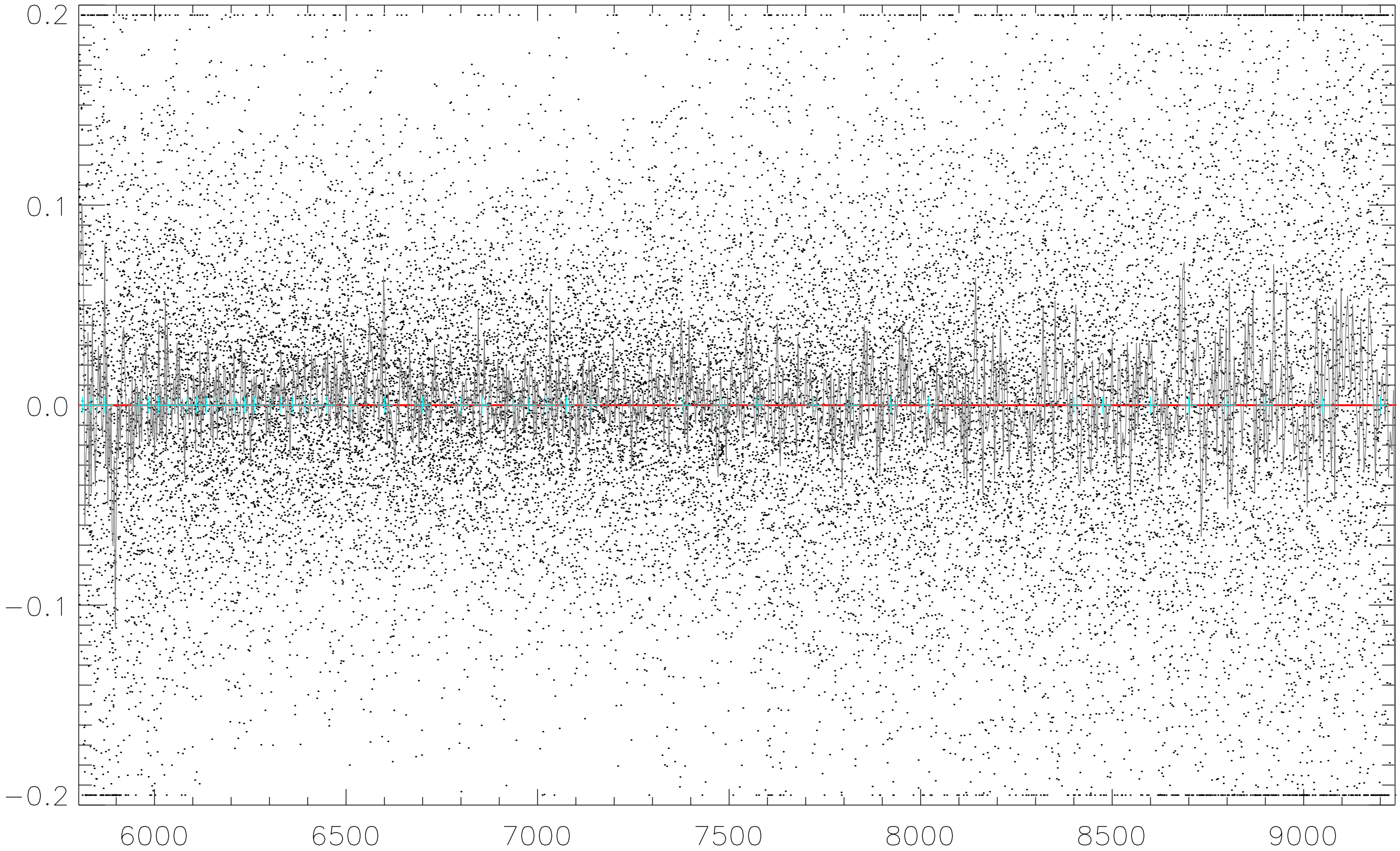

60
40
20
0
4000
4500
5000
5500
6000


0.2
0.1
0.0
−0.1
−0.2
4000
4500
5000
5500
6000

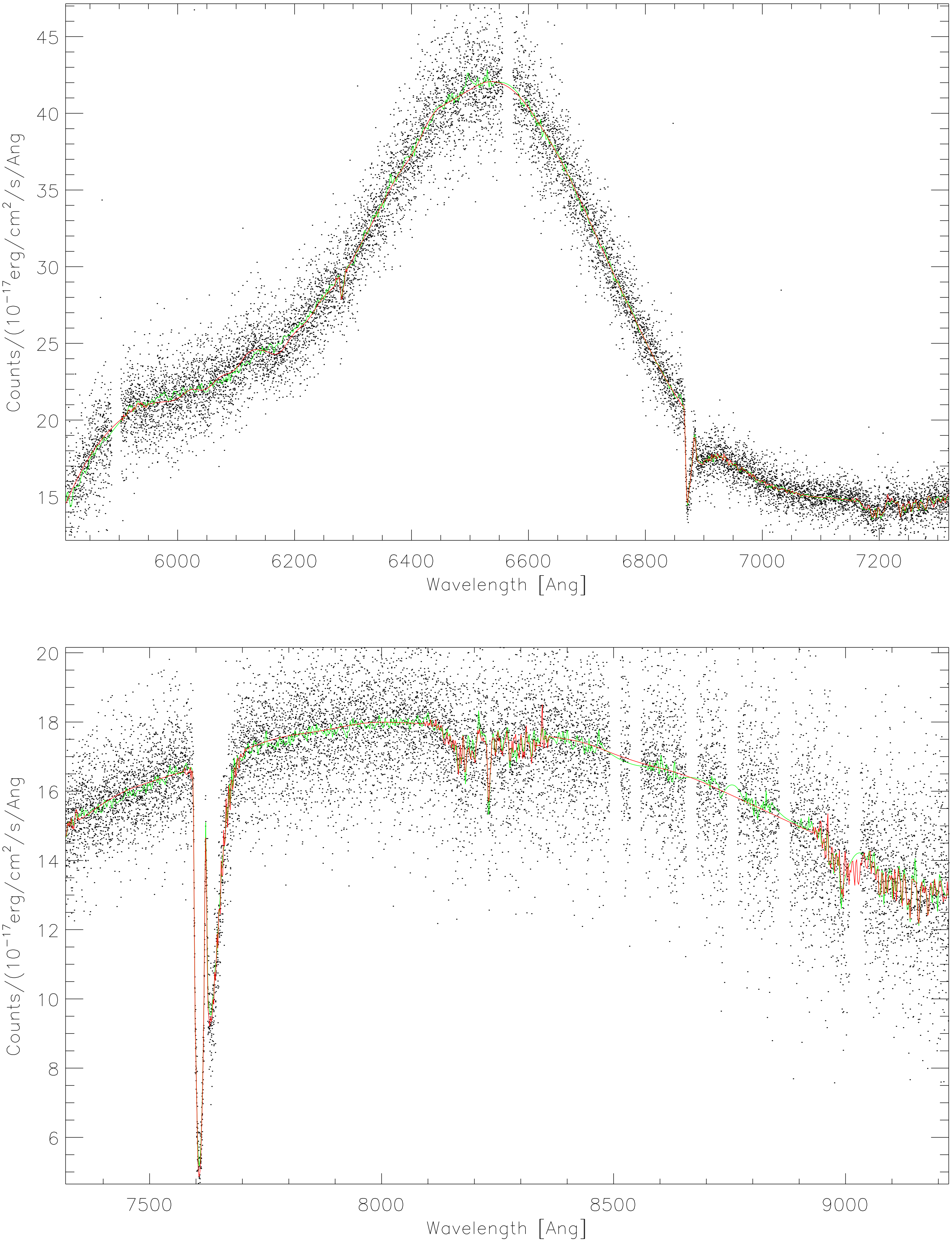
PLATE=2893 MJD=54515 Spectro-Photo Calib for b2-00050176

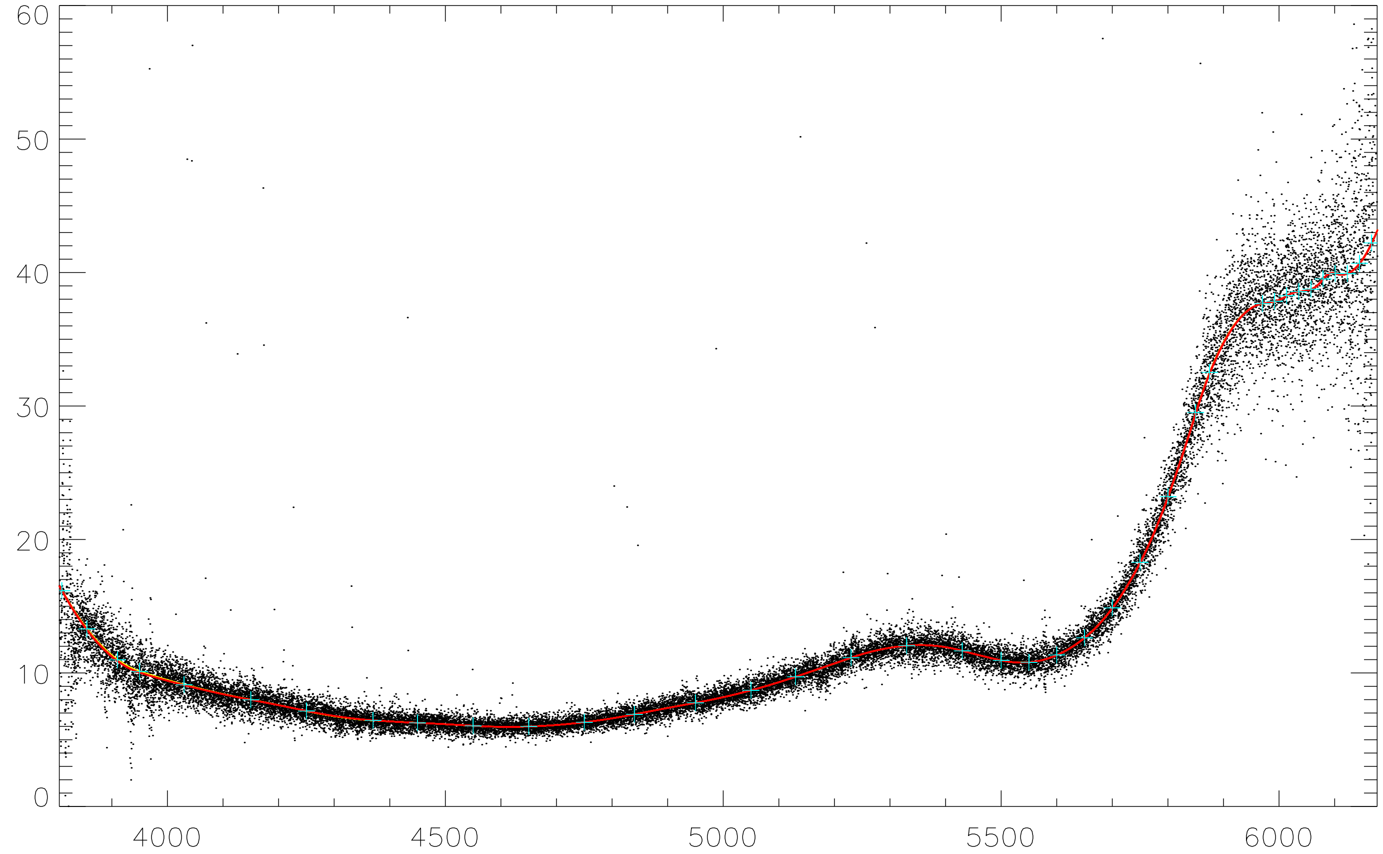


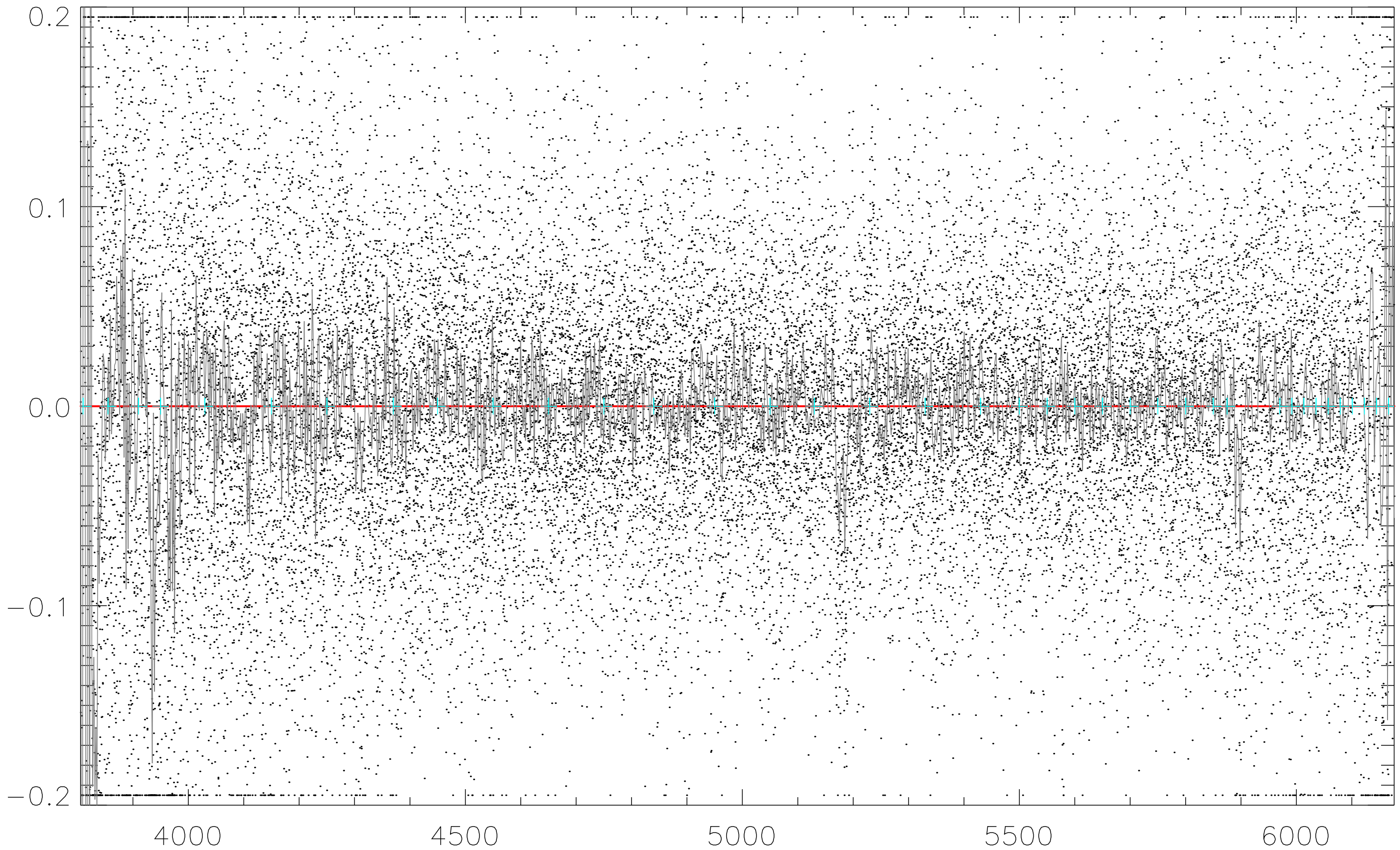

60
50
40
30
20
10
0
6000
6500
7000
7500
8000
8500
9000


0.2
0.1
0.0
−0.1
−0.2
6000
6500
7000
7500
8000
8500
9000

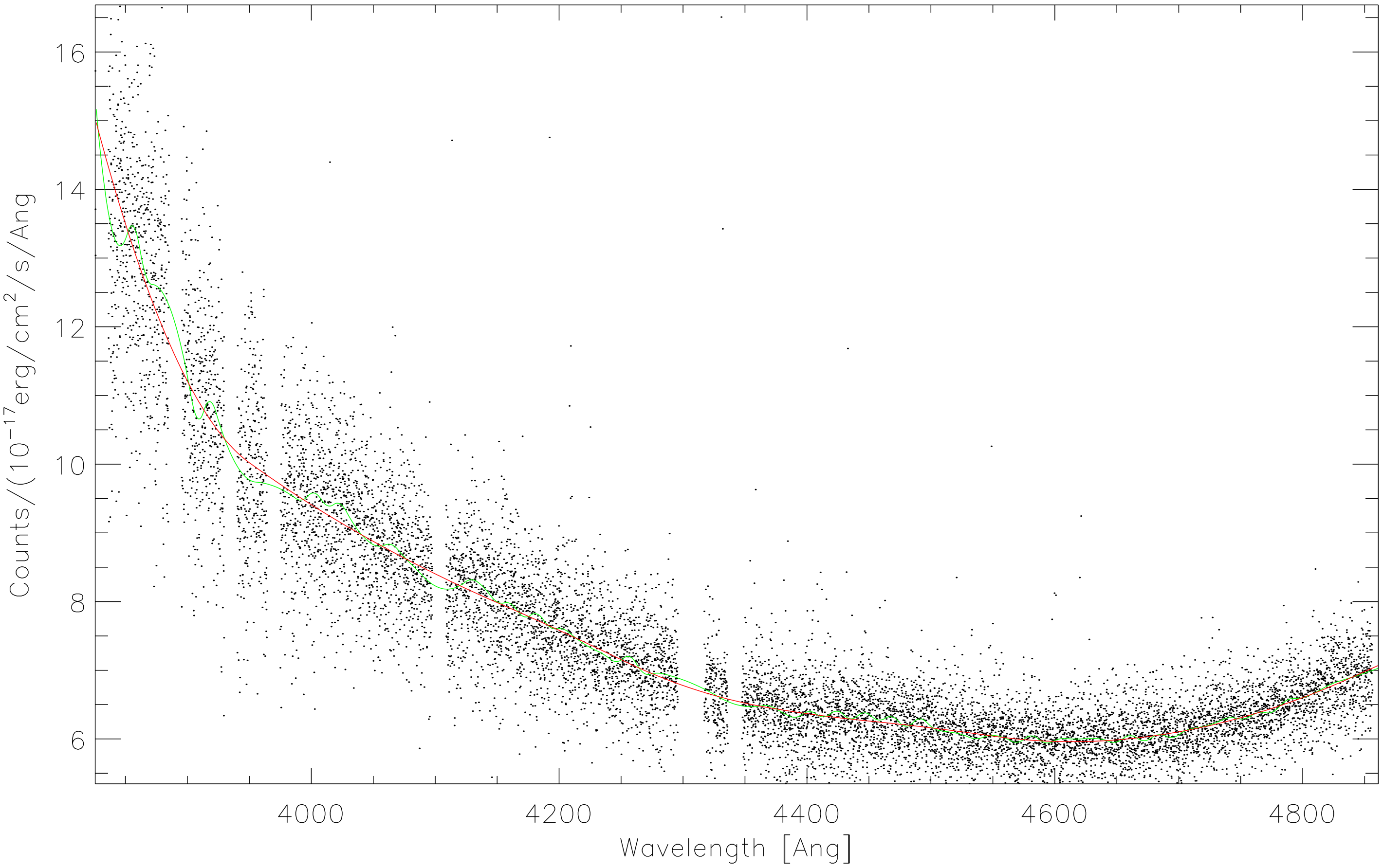
PLATE=2893 MJD=54515 Spectro−Photo Calib for r2−00050176

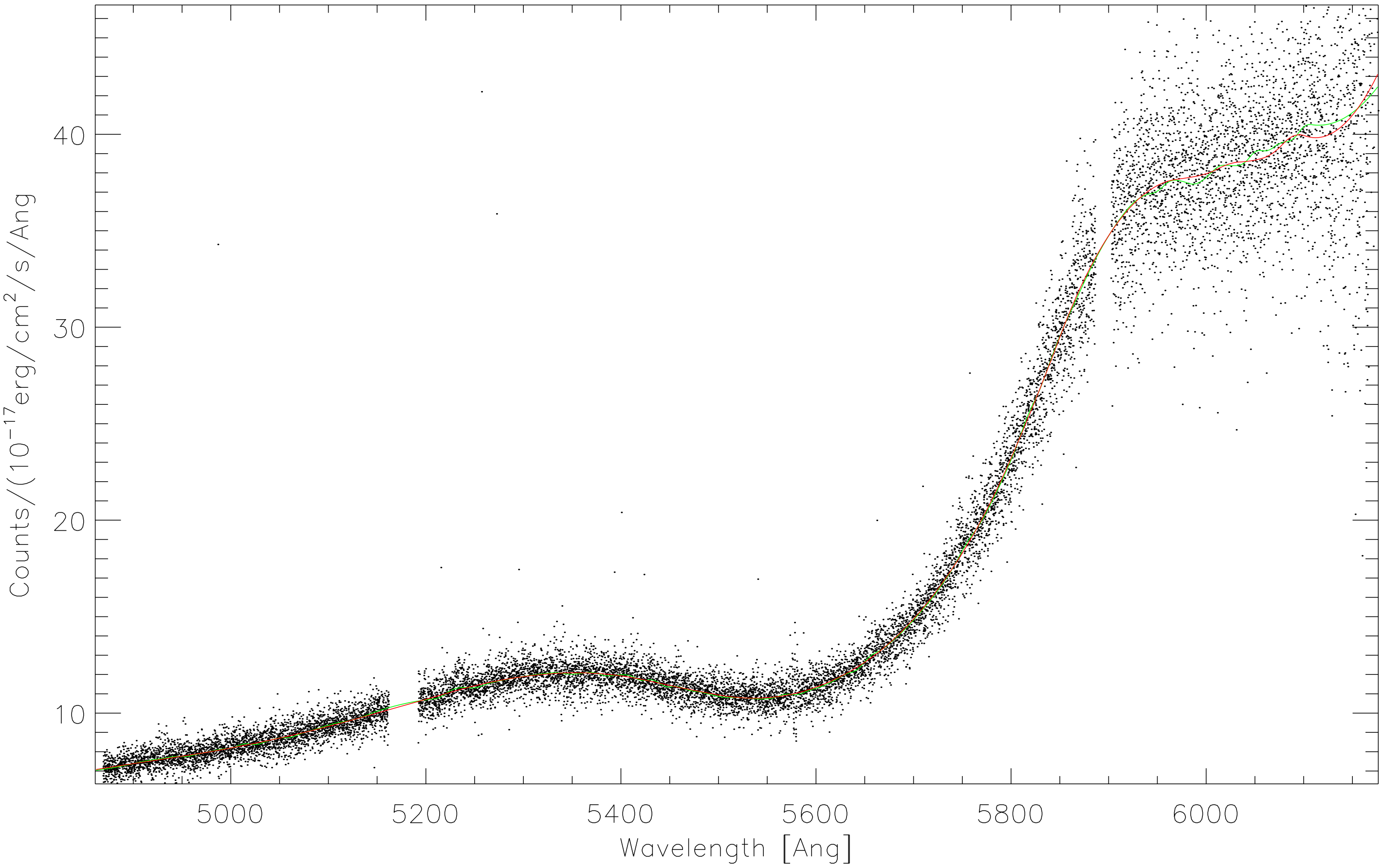


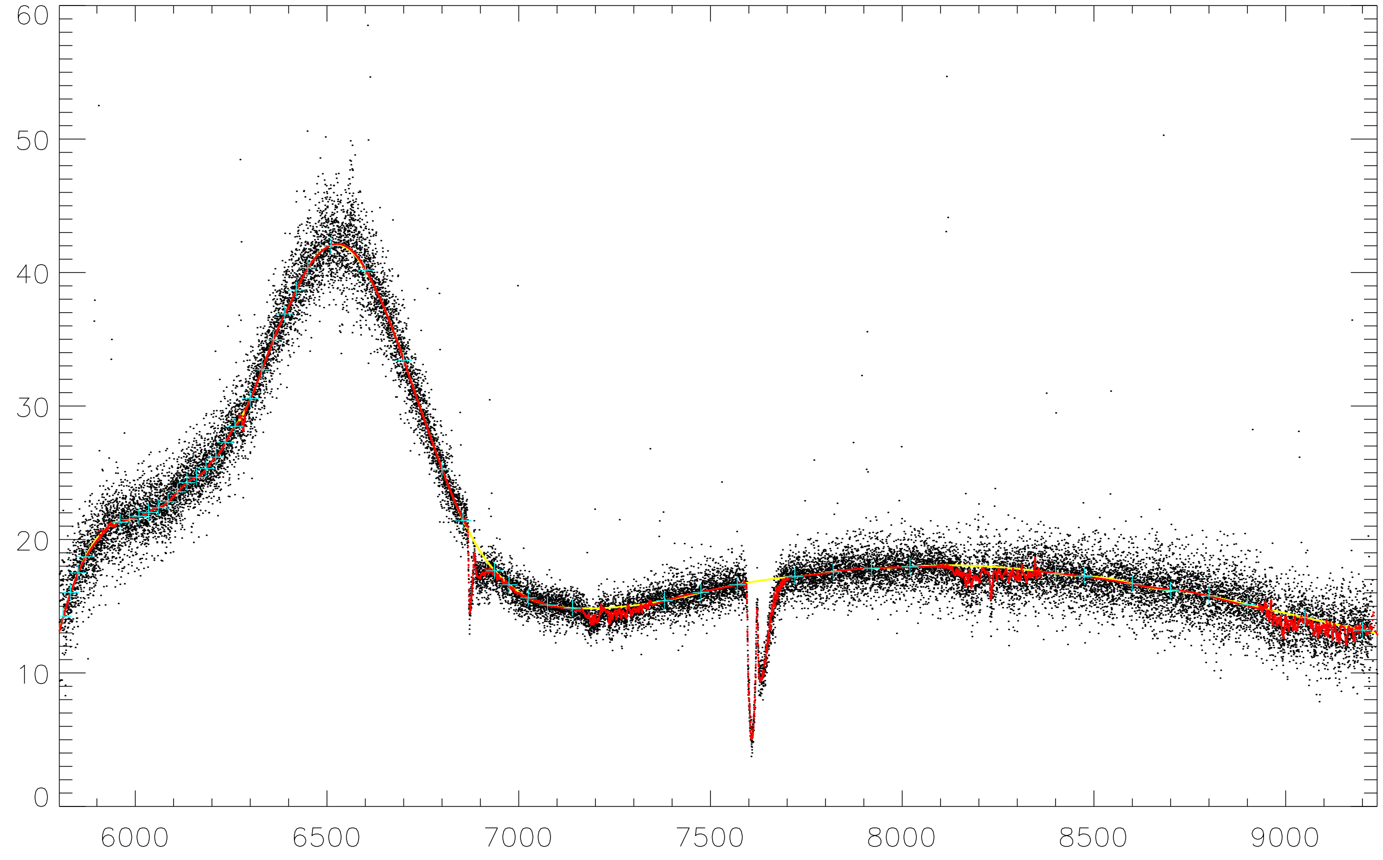

60
50
40
30
20
10
0
4000
4500
5000
5500
6000

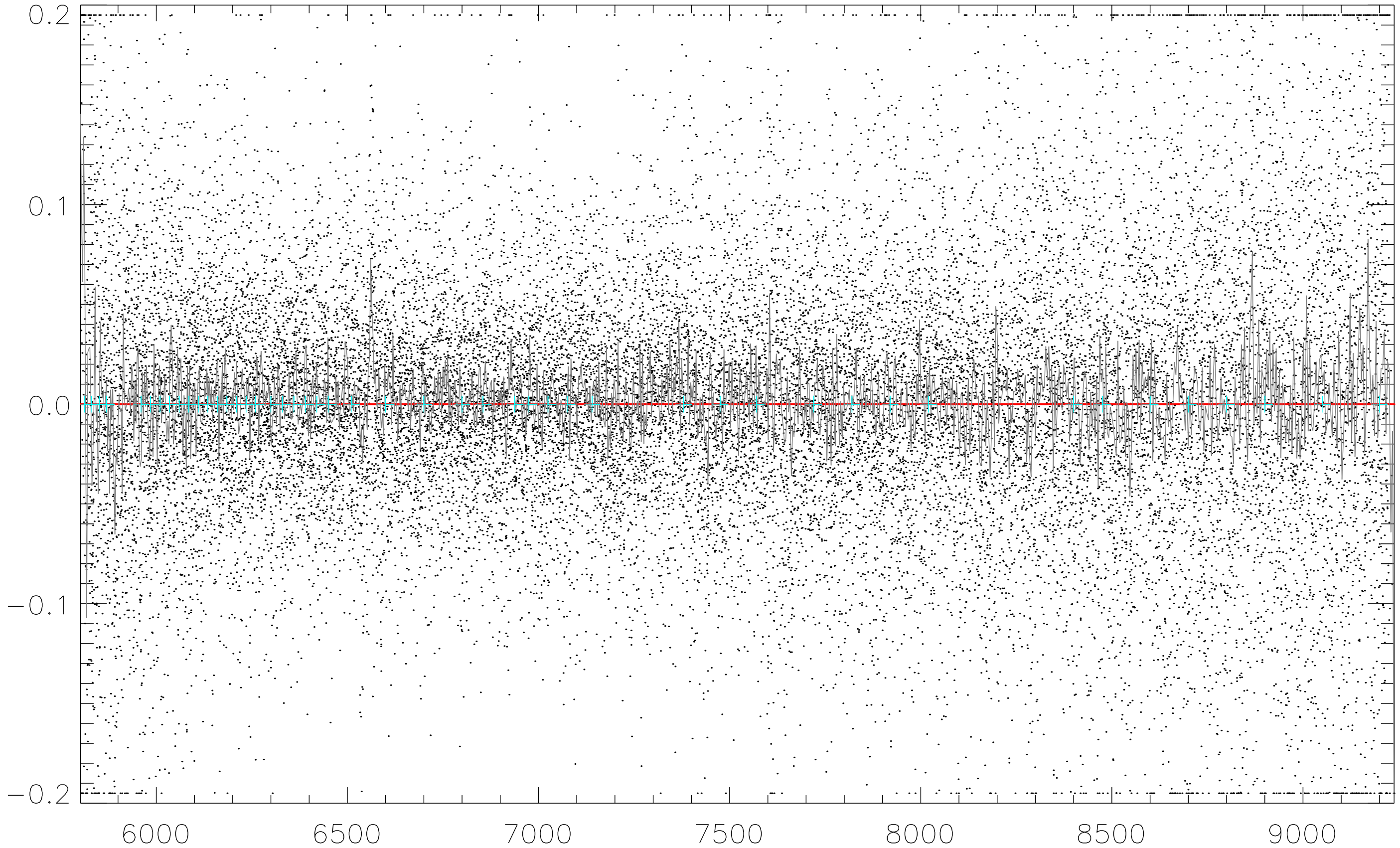

0.2
0.1
0.0
−0.1
−0.2
4000
4500
5000
5500
6000

PLATE=2893 MJD=54515 Spectro-Photo Calib for b2-00050177

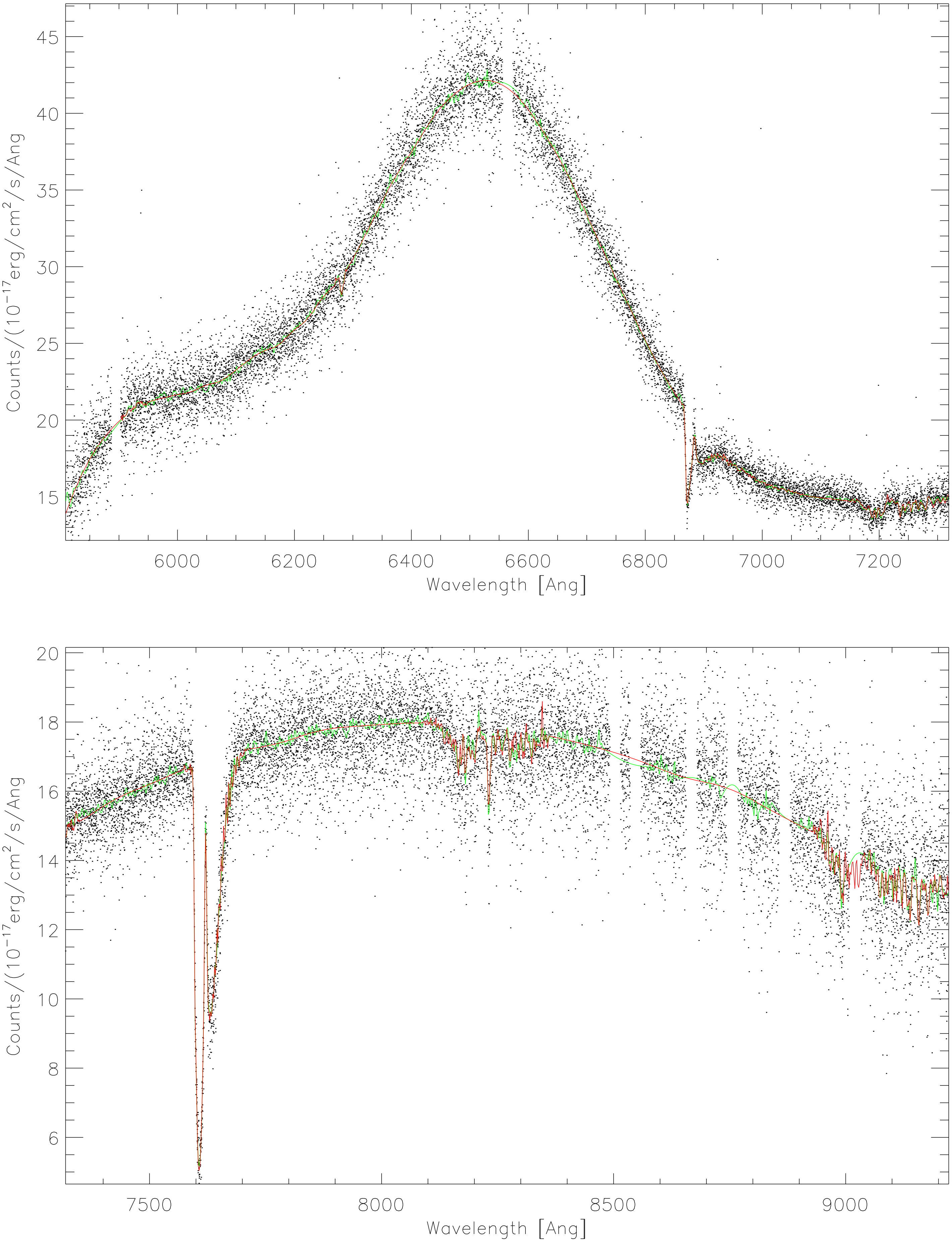


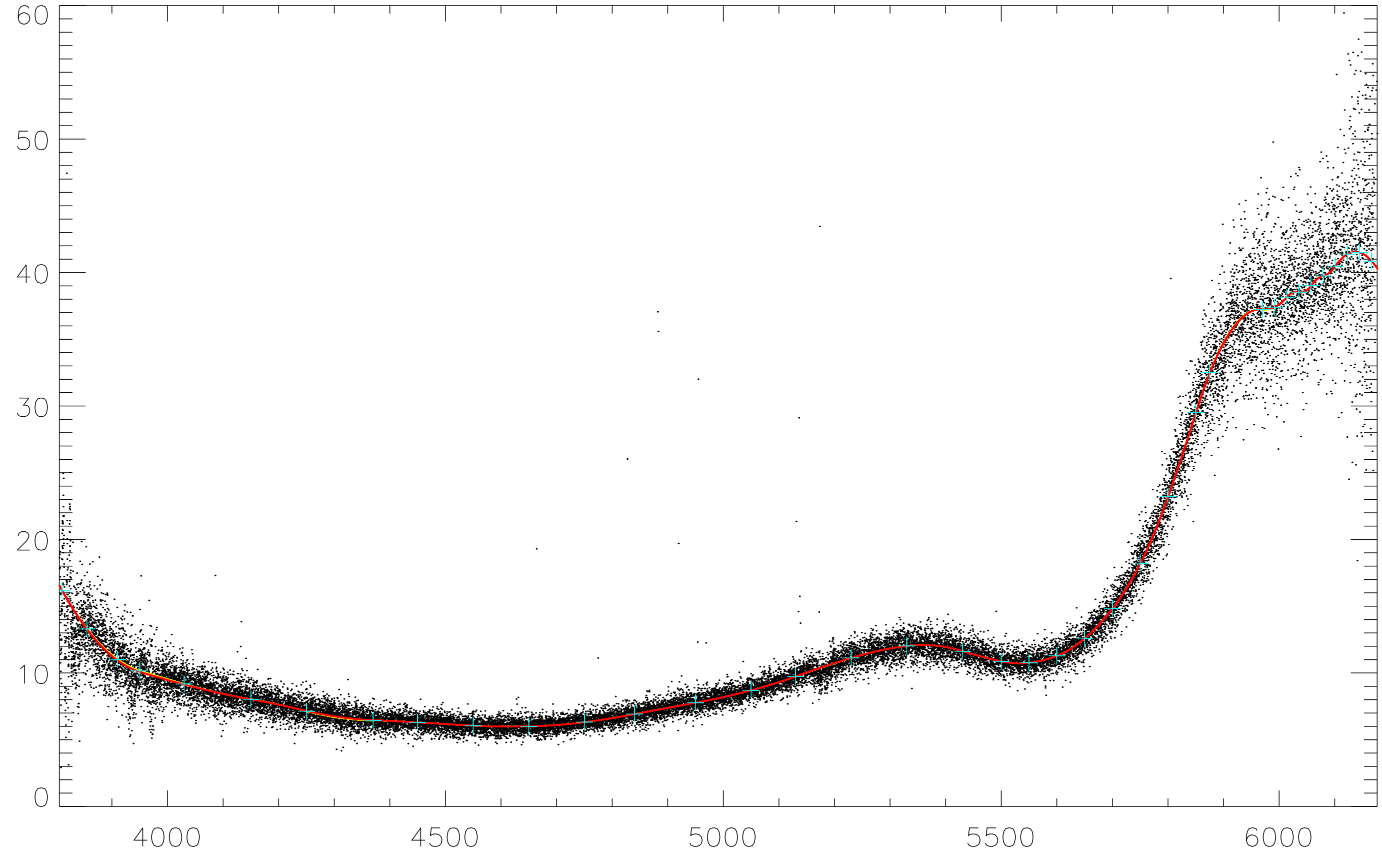



60
50
40
30
20
10
0
6000
6500
7000
7500
8000
8500
9000

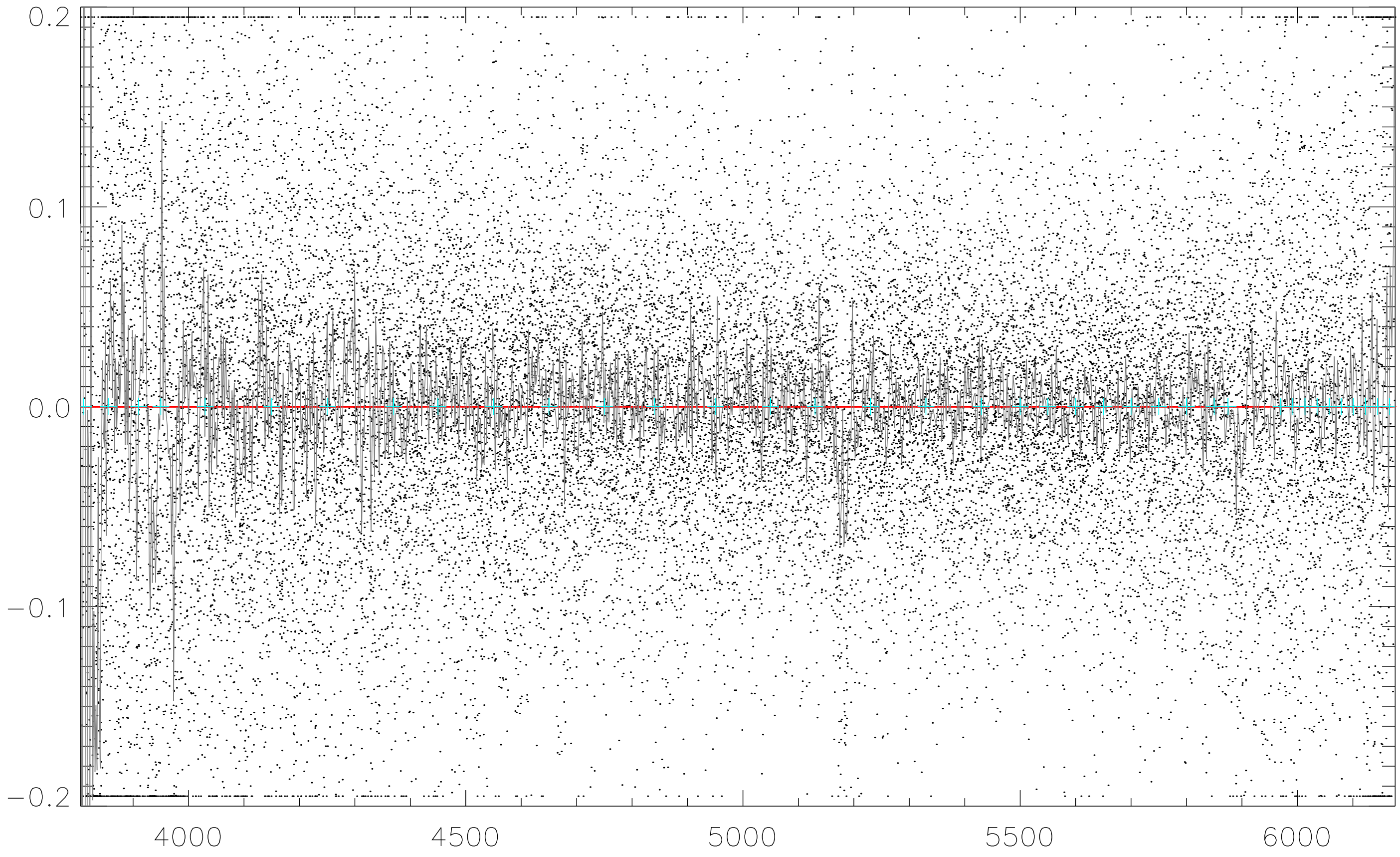

0.2
0.1
0.0
−0.1
−0.2
6000
6500
7000
7500
8000
8500
9000

PLATE=2893 MJD=54515 Spectro−Photo Calib for r2−00050177

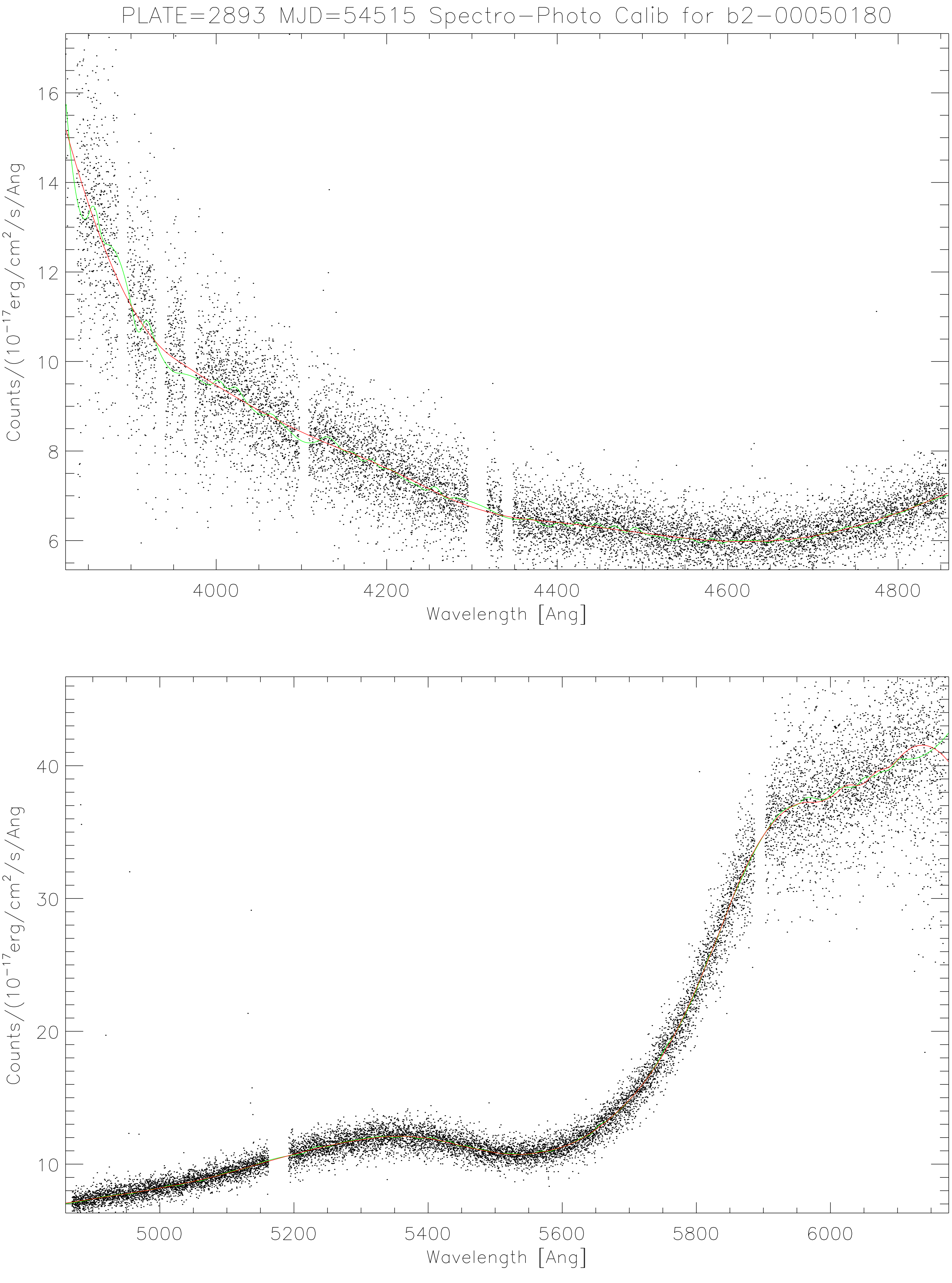


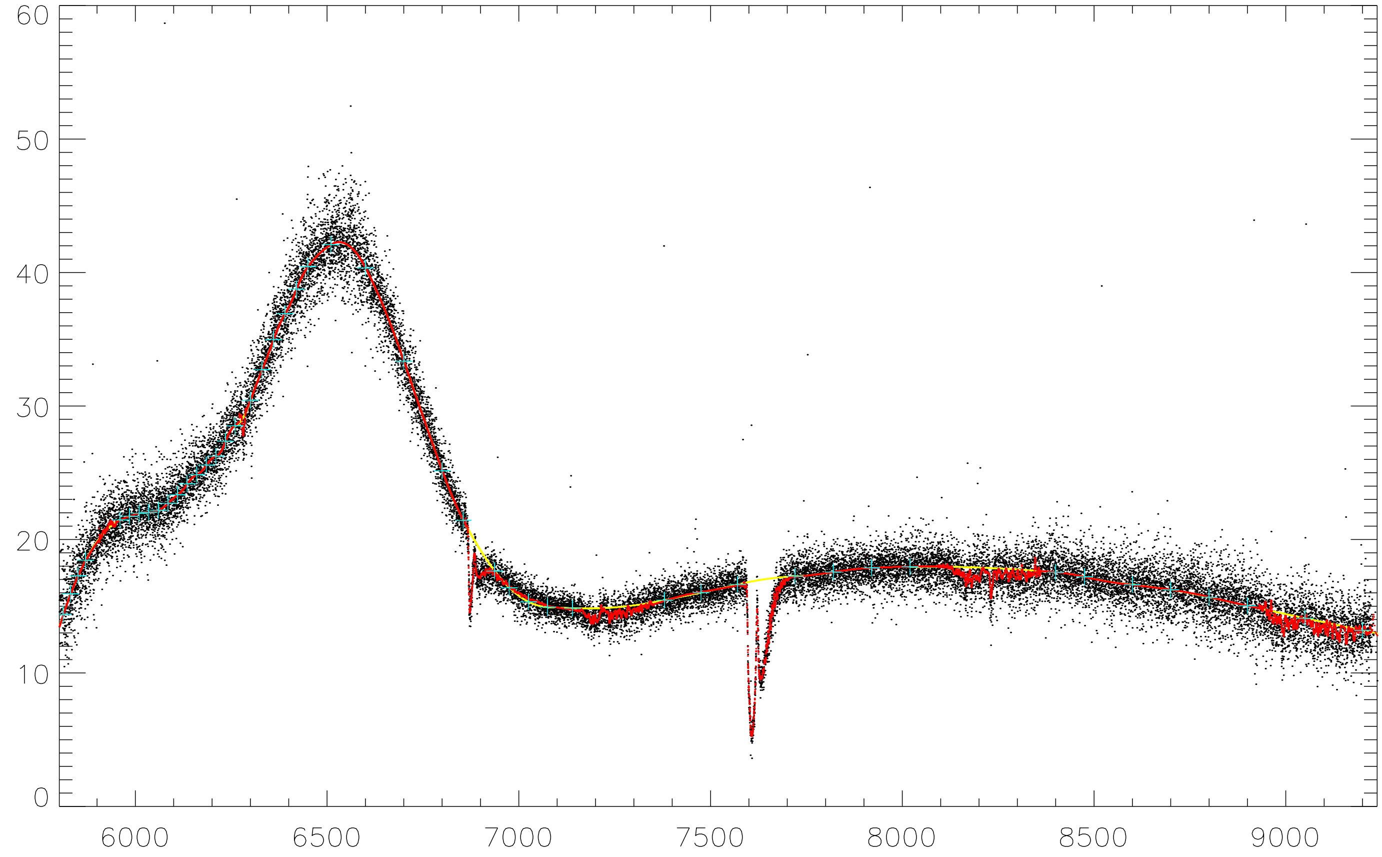


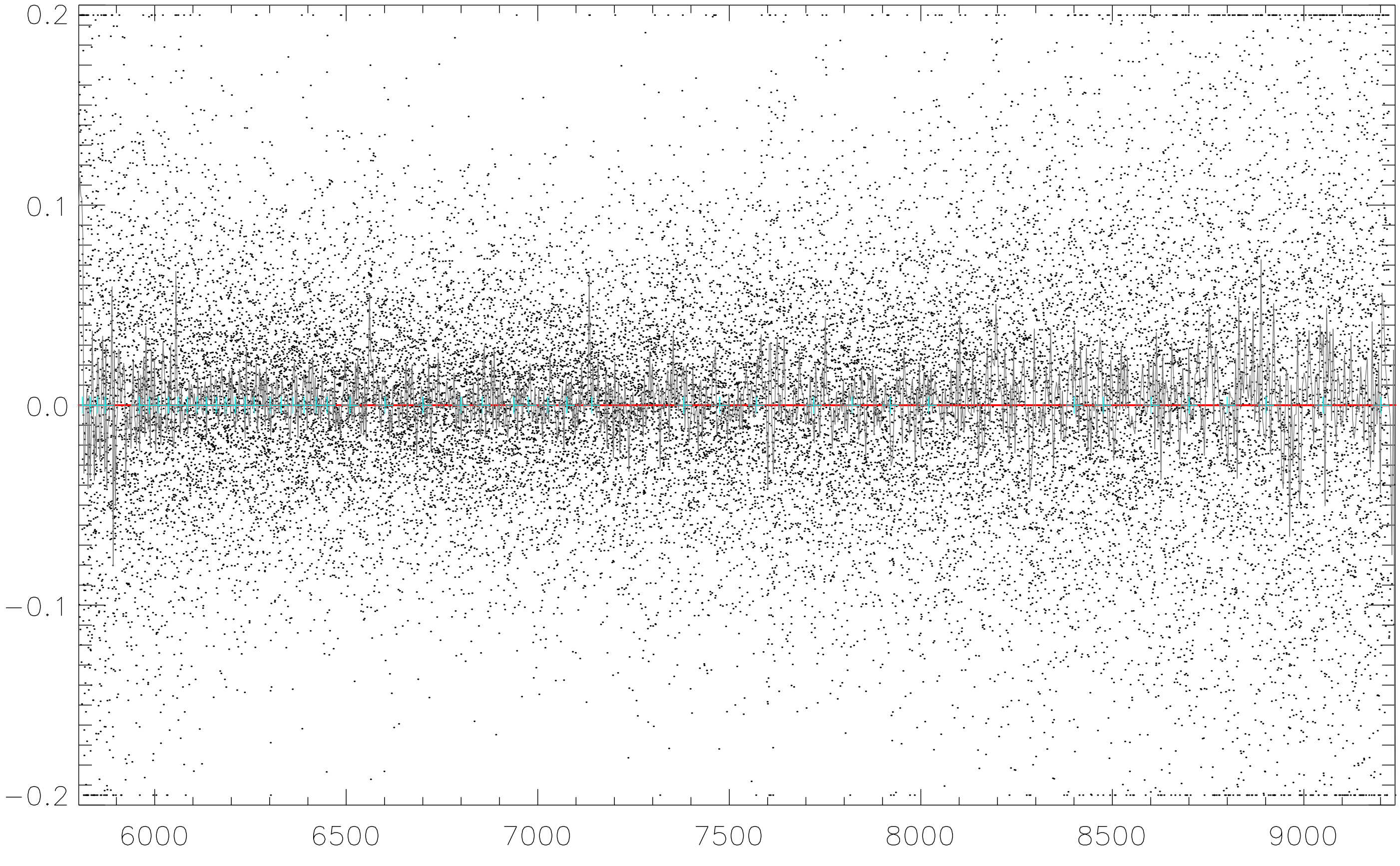
60
50
40
30
20
10
0
4000
4500
5000
5500
6000

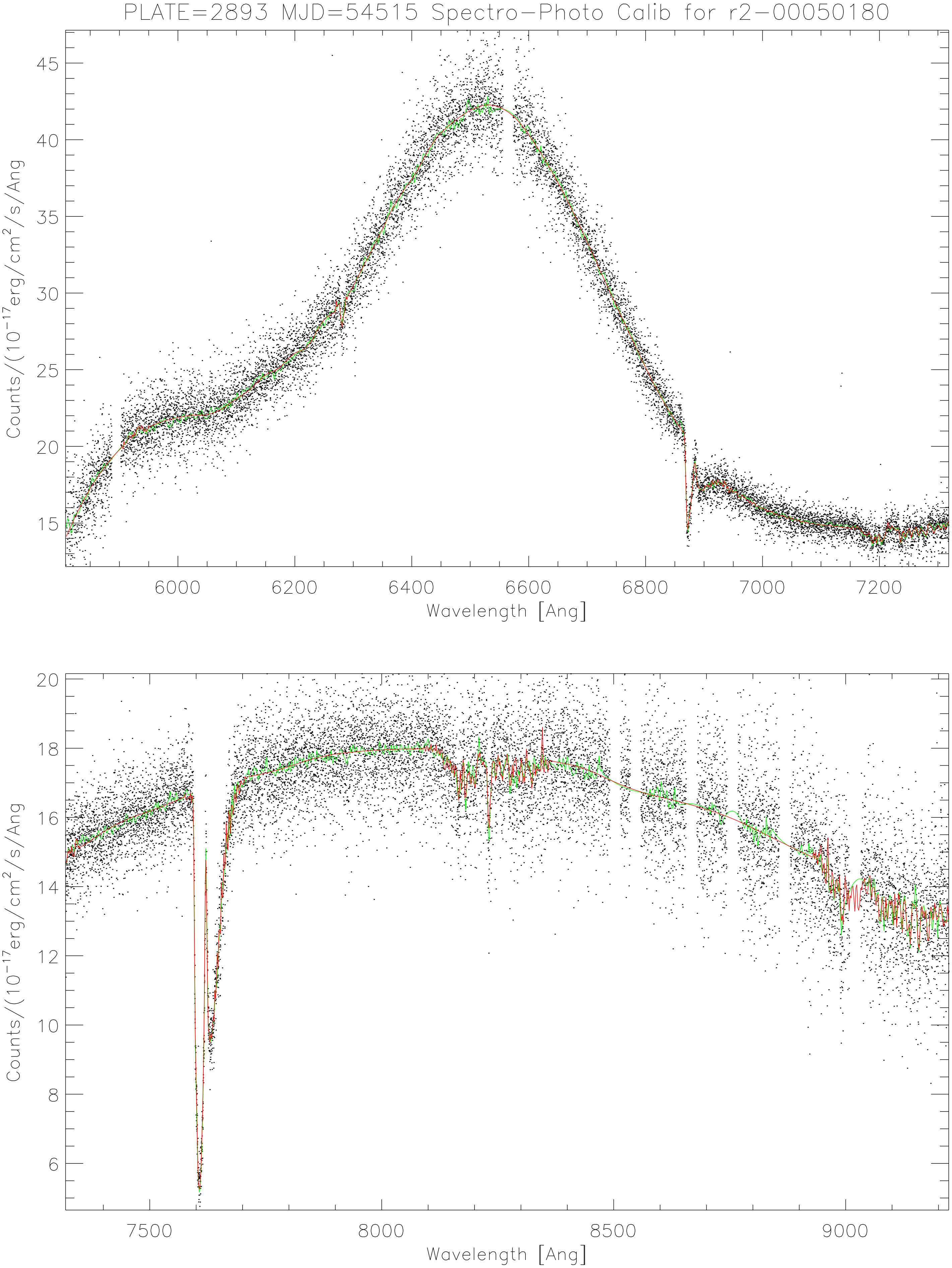


0.2
0.1
0.0
−0.1
−0.2
4000
4500
5000
5500
6000


PLATE=2893 MJD=54515 Spectro−Photo Calib for b2−00050180
Counts/(10^{-17}erg/cm^2/s/Ang
16
14
12
10
8
6
4000
4200
4400
4600
4800
Wavelength [Ang]
Counts/(10^{-17}erg/cm^2/s/Ang
40
30
20
10
5000
5200
5400
5600
5800
6000
Wavelength [Ang]


60
50
40
30
20
10
0
6000
6500
7000
7500
8000
8500
9000


0.2
0.1
0.0
−0.1
−0.2
6000
6500
7000
7500
8000
8500
9000


PLATE=2893 MJD=54515 Spectro−Photo Calib for r2−00050180
Counts/(10^{-17}erg/cm^2/s/Ang
45
40
35
30
25
20
15
6000
6200
6400
6600
6800
7000
7200
Wavelength [Ang]
Counts/(10^{-17}erg/cm^2/s/Ang
20
18
16
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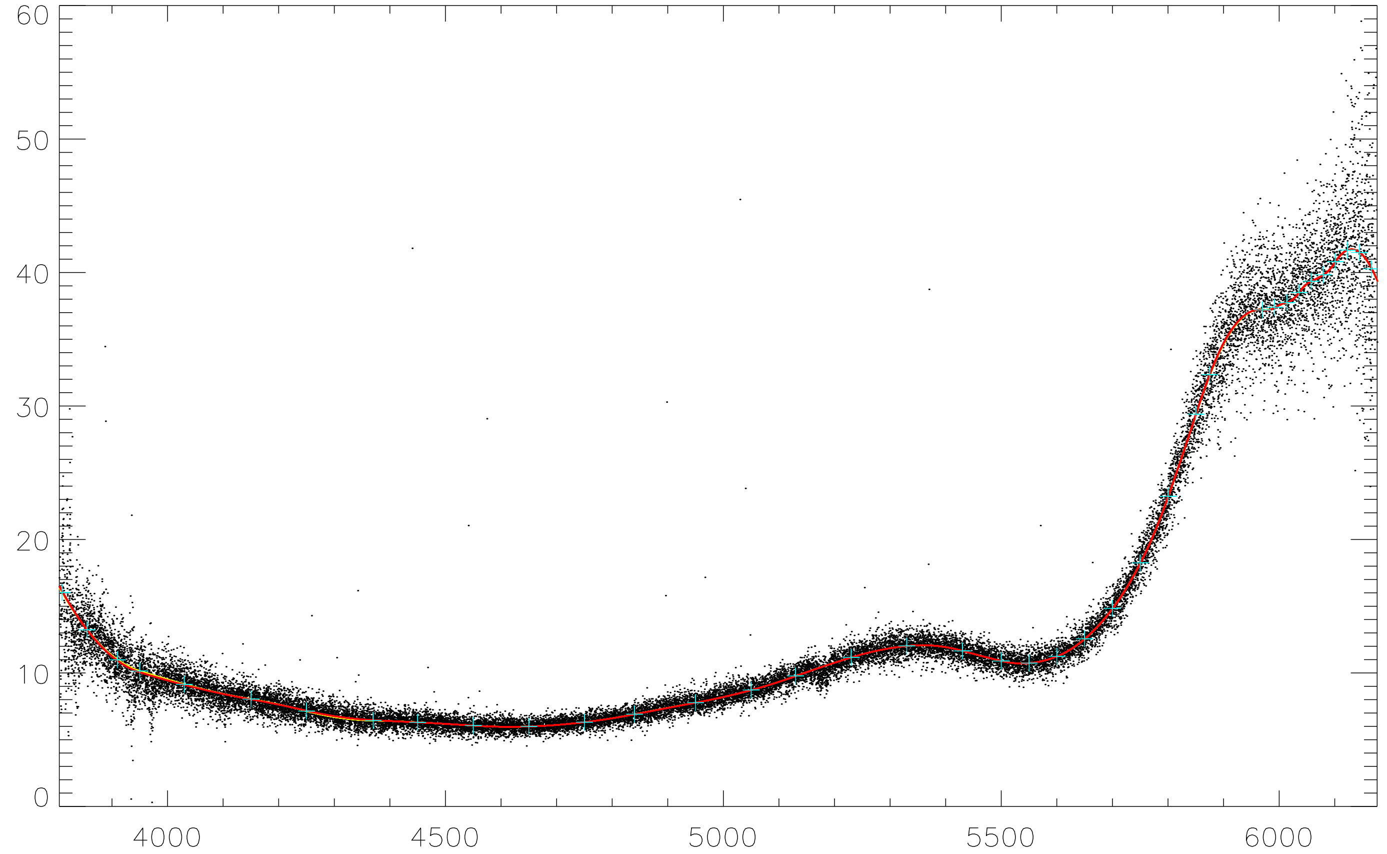
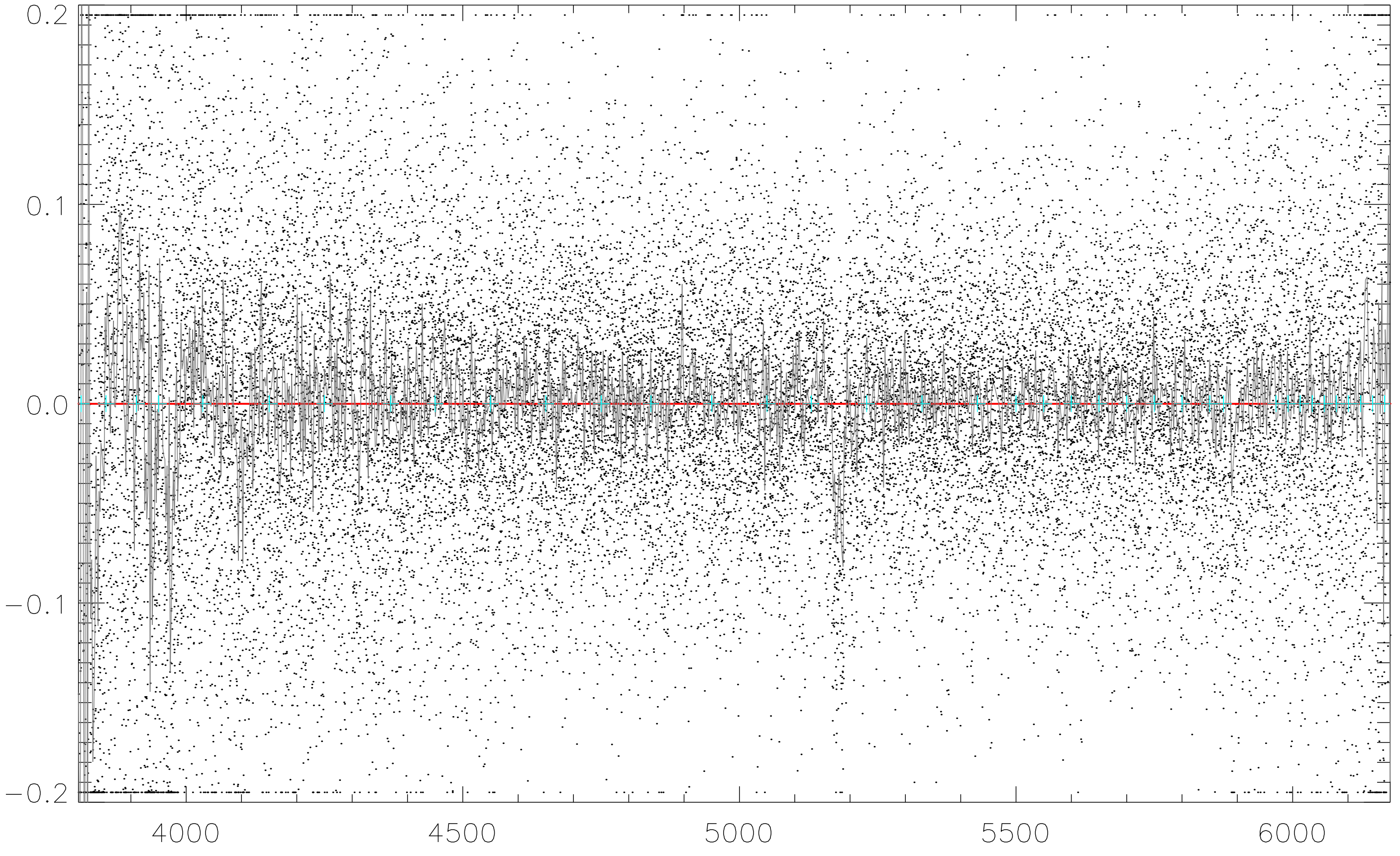
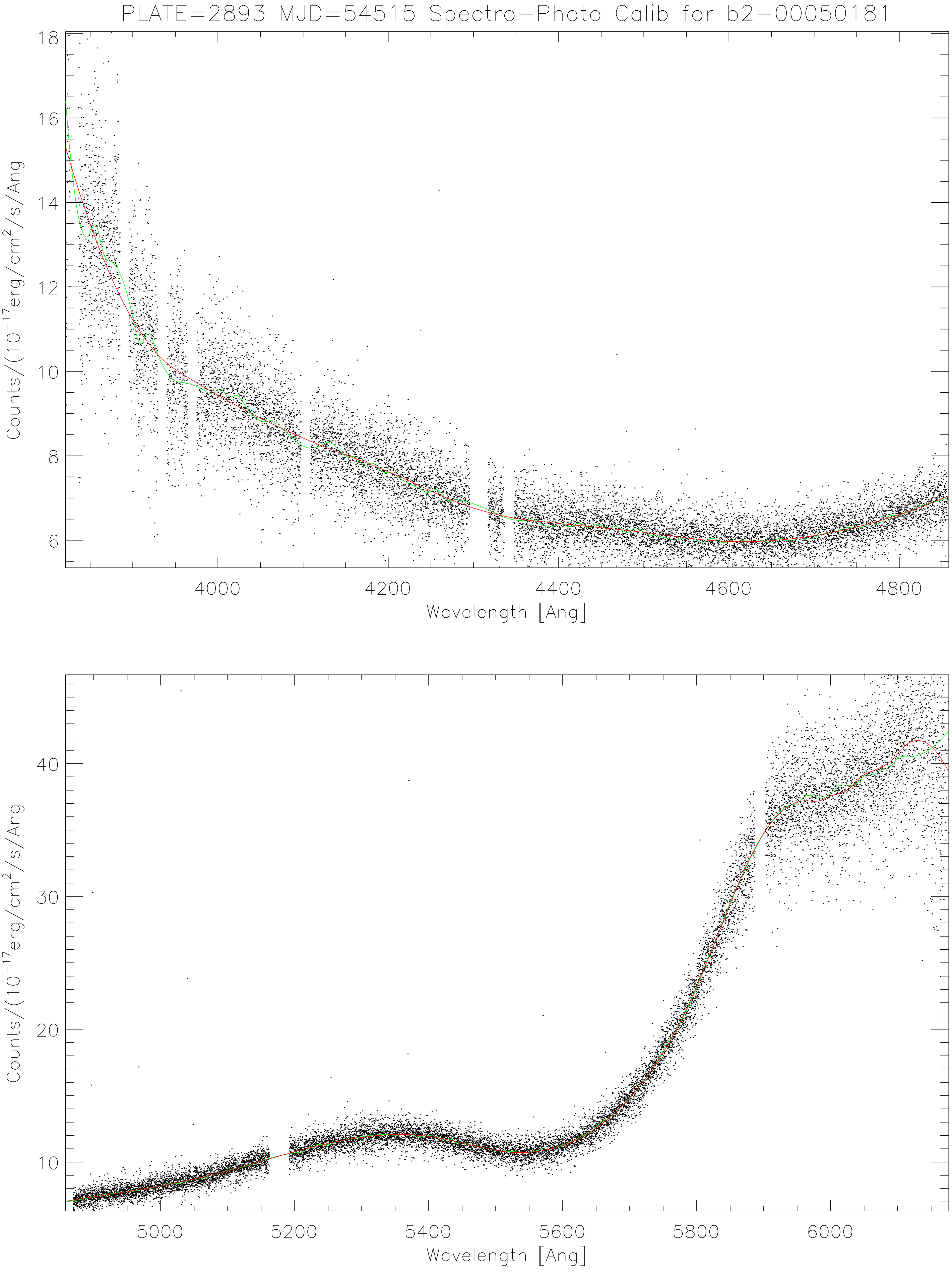
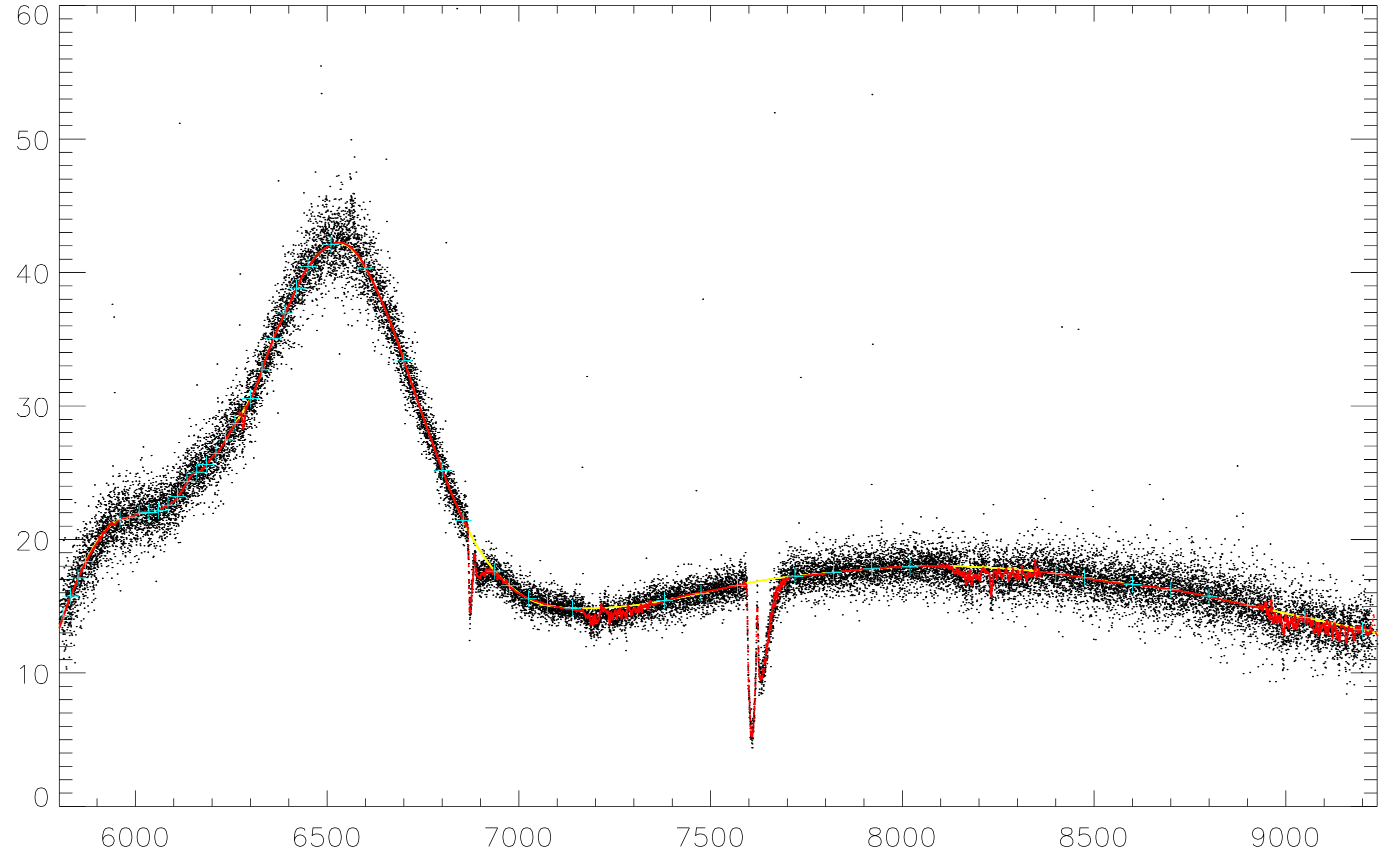
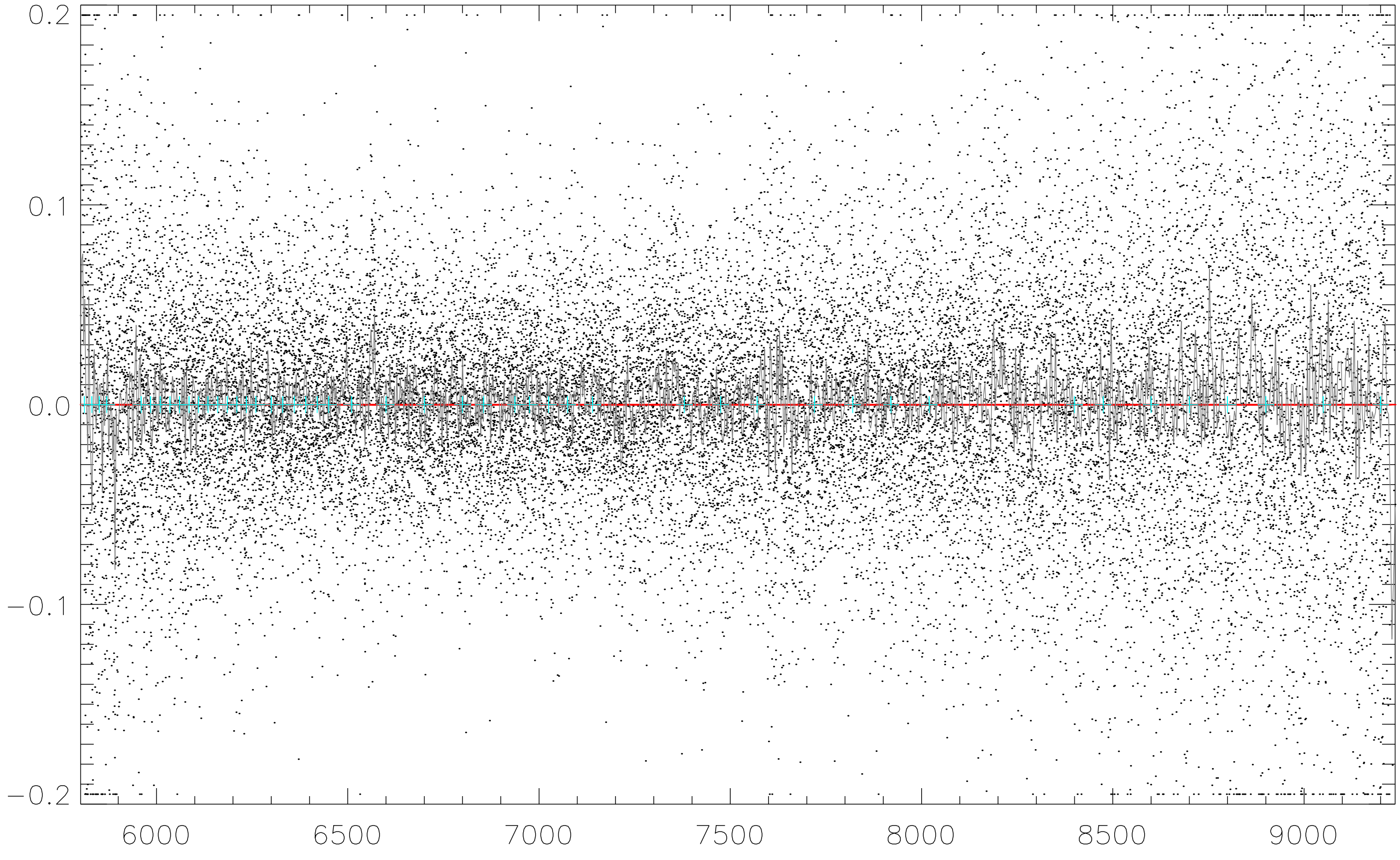
12
10
8
6
7500
8000
8500
9000
Wavelength [Ang]

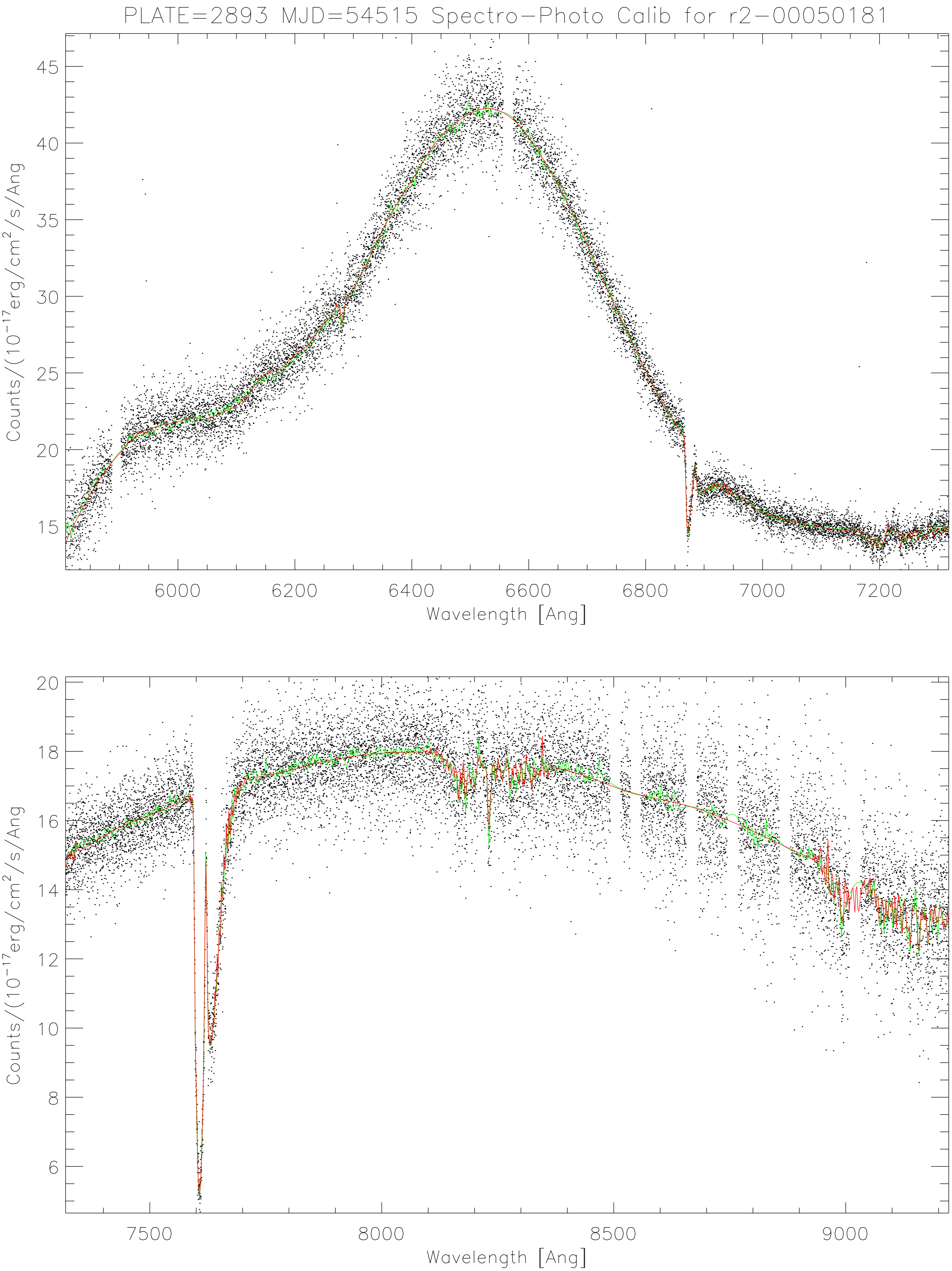

60
50
40
30
20
10
0
4000
4500
5000
5500
6000


0.2
0.1
0.0
−0.1
−0.2
4000
4500
5000
5500
6000


PLATE=2893 MJD=54515 Spectro-Photo Calib for b2-00050181
Counts/(10^{-17}erg/cm^2/s/Ang
18
16
14
12
10
8
6
4000
4200
4400
4600
4800
Wavelength [Ang]
Counts/(10^{-17}erg/cm^2/s/Ang
40
30
20
10
5000
5200
5400
5600
5800
6000
Wavelength [Ang]


60
50
40
30
20
10
0
6000
6500
7000
7500
8000
8500
9000


0.2
0.1
0.0
−0.1
−0.2
6000
6500
7000
7500
8000
8500
9000


PLATE=2893 MJD=54515 Spectro−Photo Calib for r2−00050181
Counts/(10^{-17}erg/cm^2/s/Ang
Wavelength [Ang]
15
20
25
30
35
40
45
6000
6200
6400
6600
6800
7000
7200
Counts/(10^{-17}erg/cm^2/s/Ang
Wavelength [Ang]
6
8
10
12
14
16
18
20
7500
8000
8500
9000