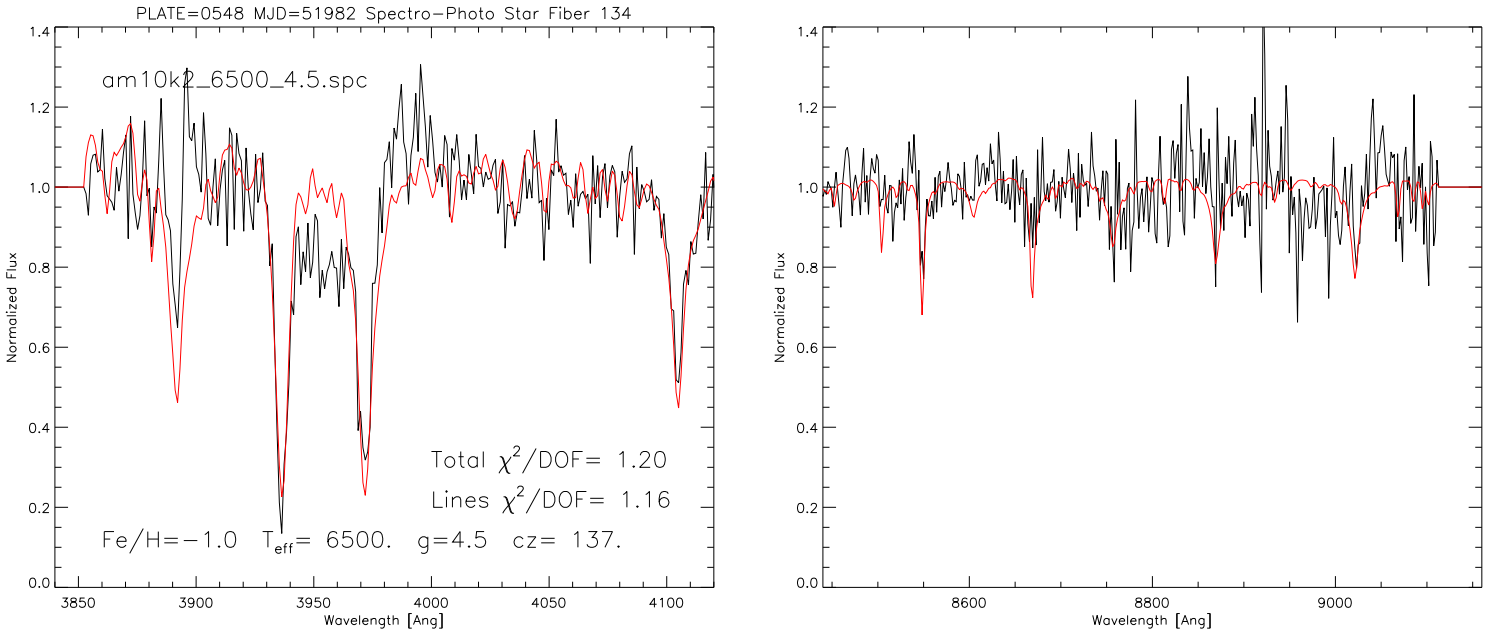
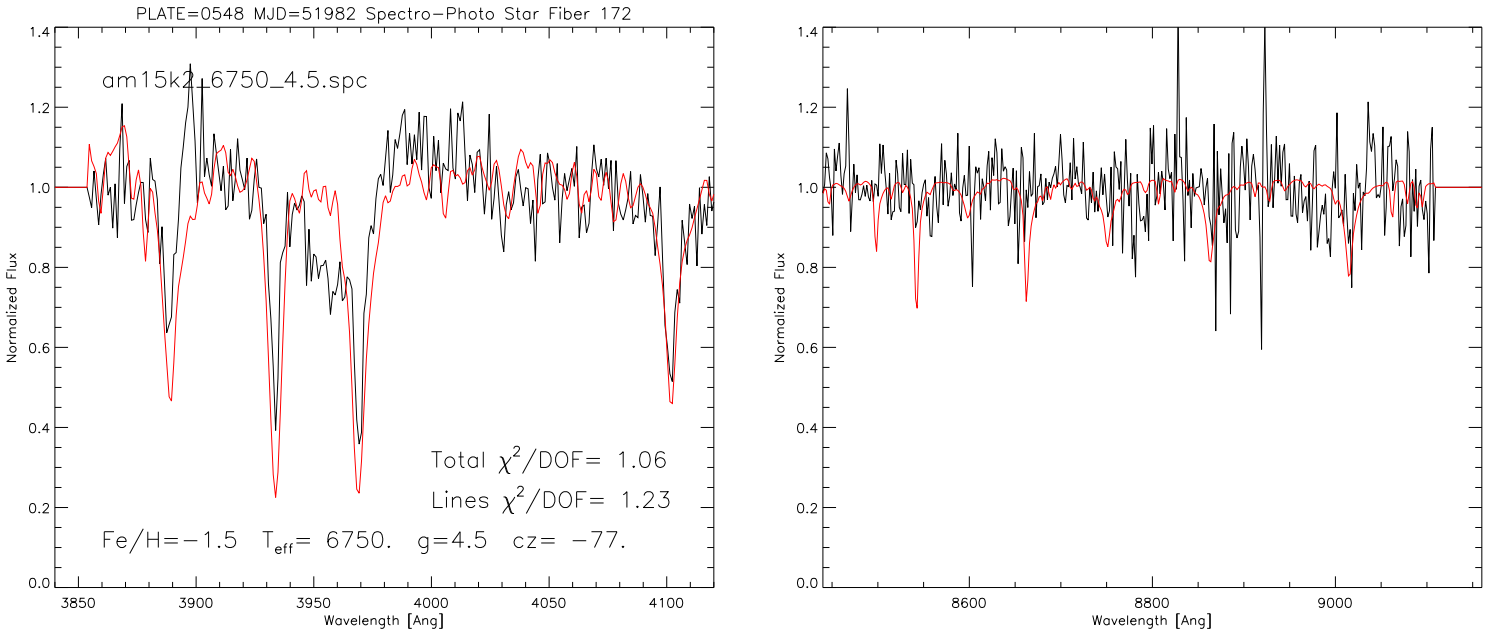
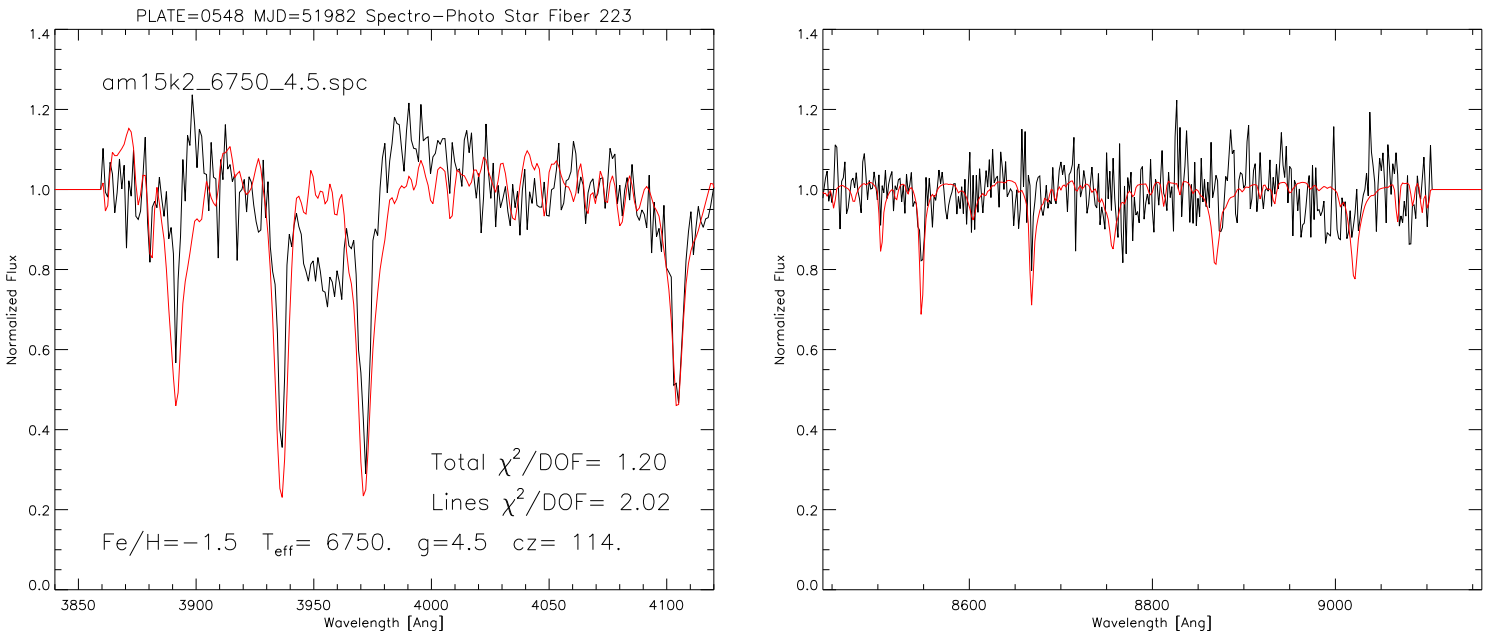
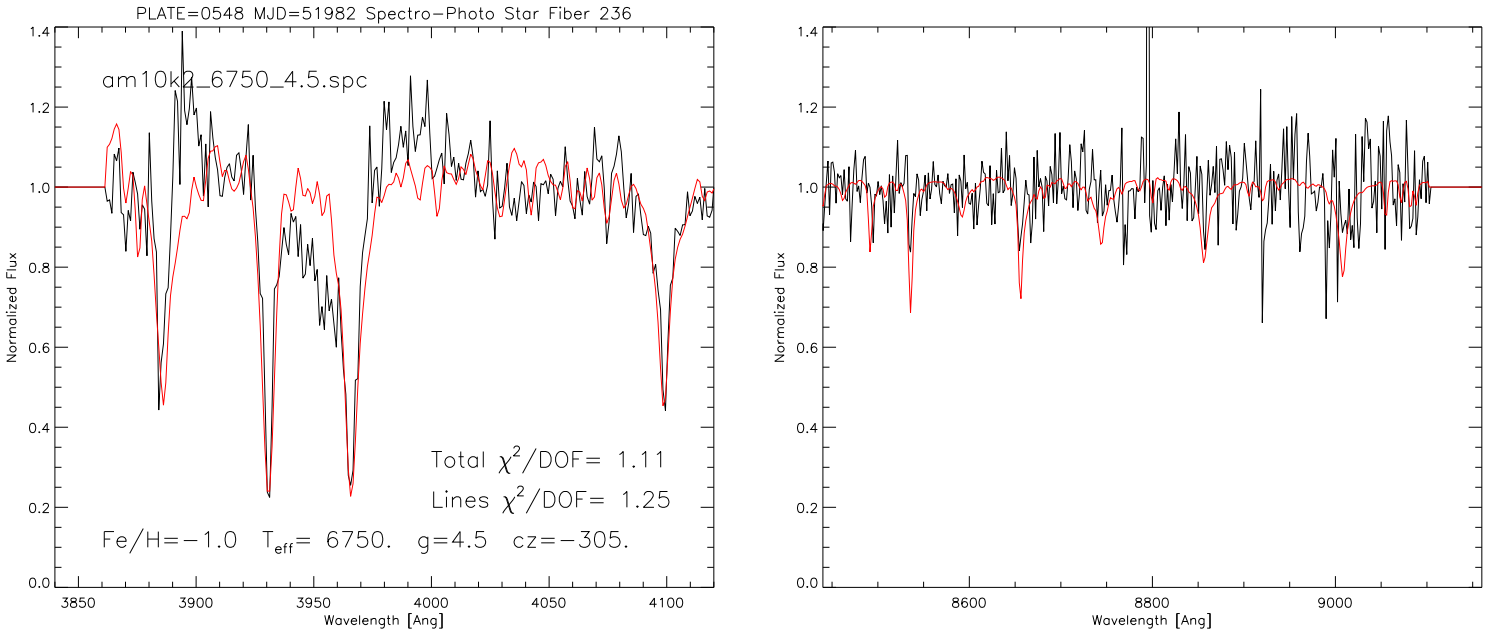
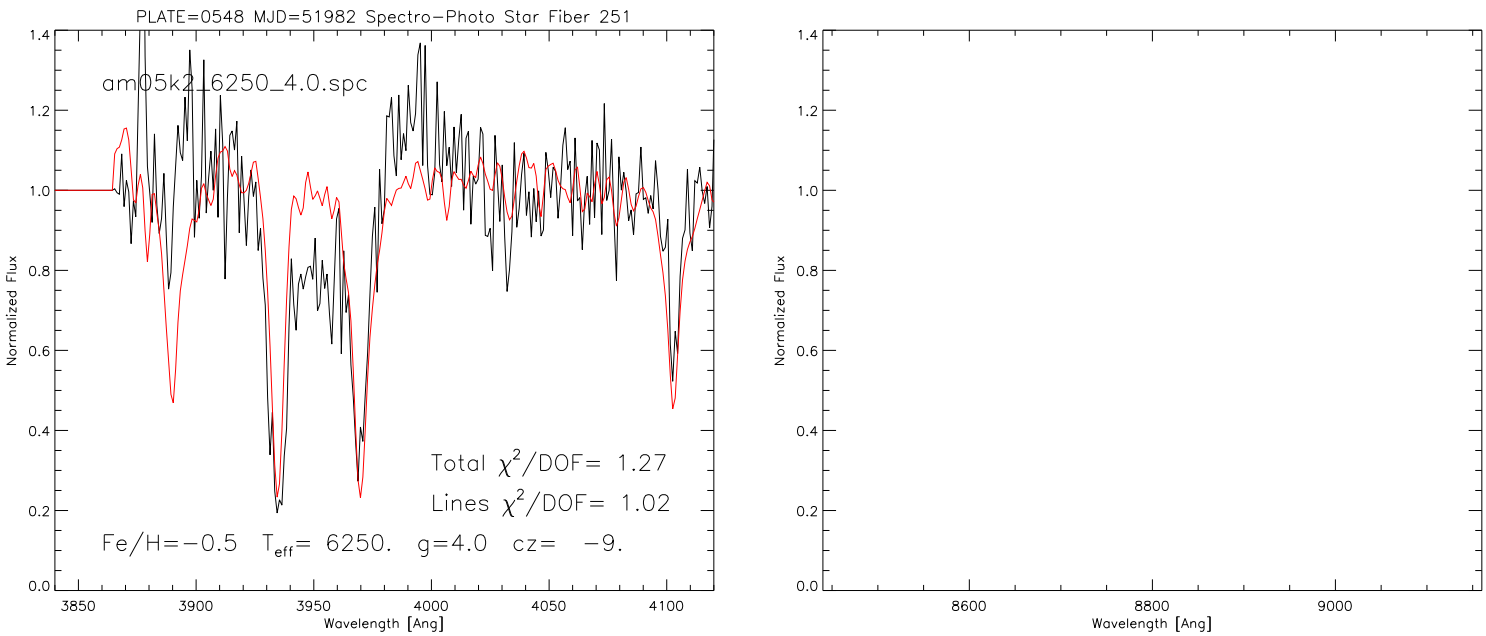
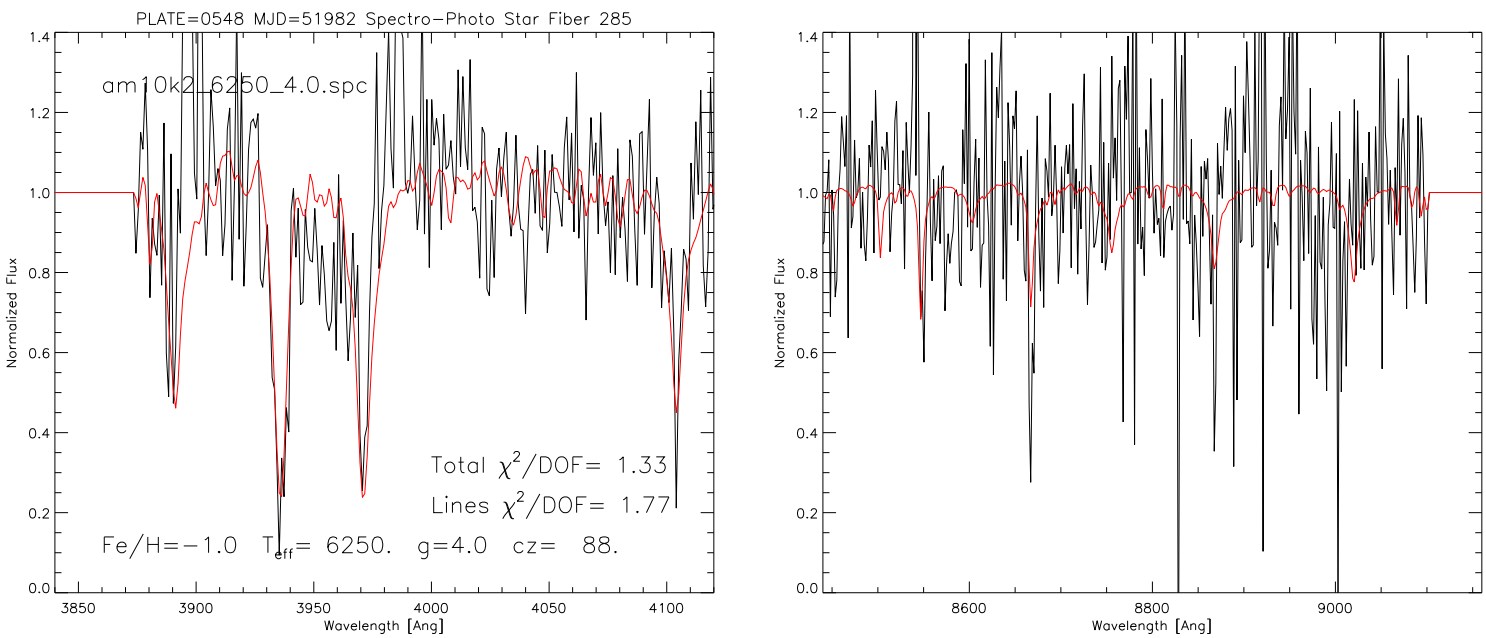

PLATE=0548 MJD=51982 Spectro-Photo Star Fiber 134
am10k2_6500_4.5.spc
Total χ^2/DOF= 1.20
Lines χ^2/DOF= 1.16
Fe/H=−1.0 T_{eff}= 6500. g=4.5 cz= 137.
Normalized Flux
Wavelength [Ang]

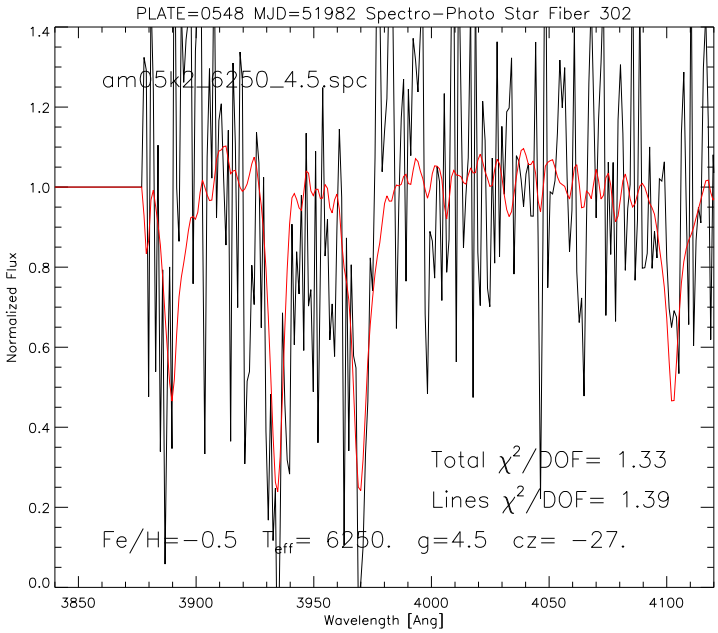

PLATE=0548 MJD=51982 Spectro-Photo Star Fiber 172
am15k2_6750_4.5.spc
Total χ^2/DOF= 1.06
Lines χ^2/DOF= 1.23
Fe/H=−1.5 T_{eff}= 6750. g=4.5 cz= −77.
Normalized Flux
Wavelength [Ang]

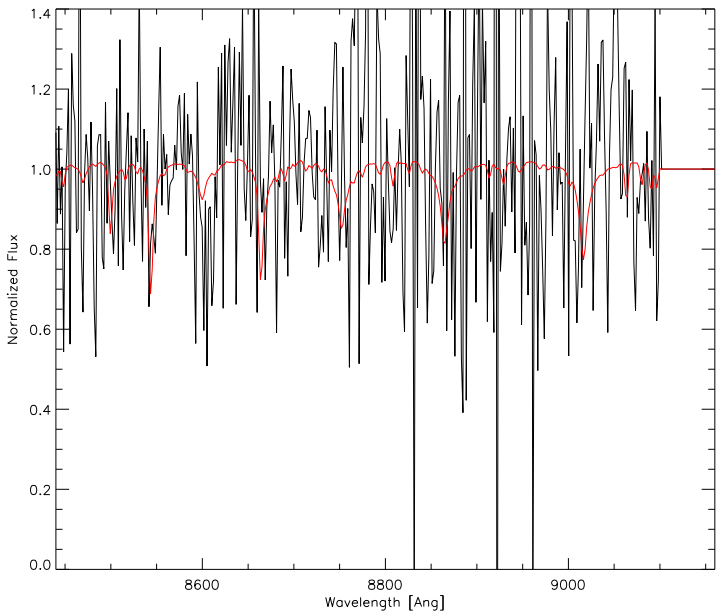

PLATE=0548 MJD=51982 Spectro-Photo Star Fiber 223
am15k2_6750_4.5.spc
Total χ^2/DOF= 1.20
Lines χ^2/DOF= 2.02
Fe/H=−1.5 T_{eff}= 6750. g=4.5 cz= 114.
Normalized Flux
Wavelength [Ang]

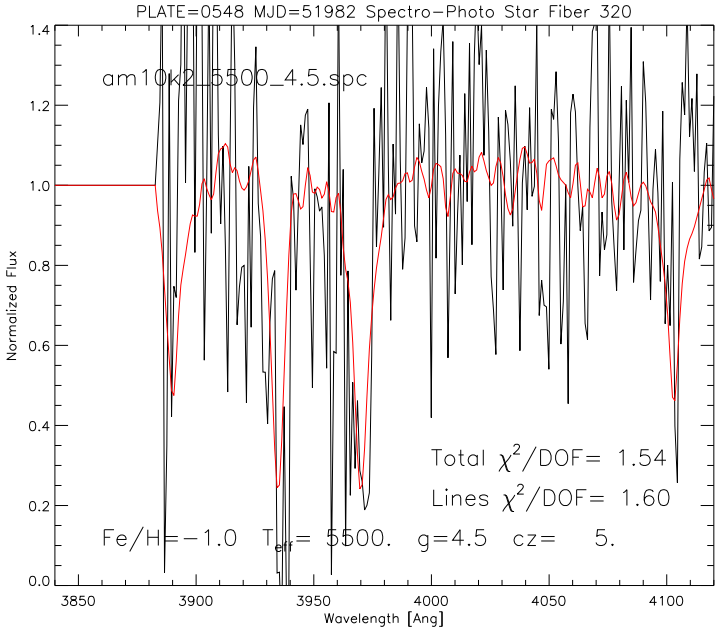

PLATE=0548 MJD=51982 Spectro-Photo Star Fiber 236
am10k2_6750_4.5.spc
Total χ^2/DOF= 1.11
Lines χ^2/DOF= 1.25
Fe/H=−1.0 T_{eff}= 6750. g=4.5 cz=−305.
Normalized Flux
Wavelength [Ang]

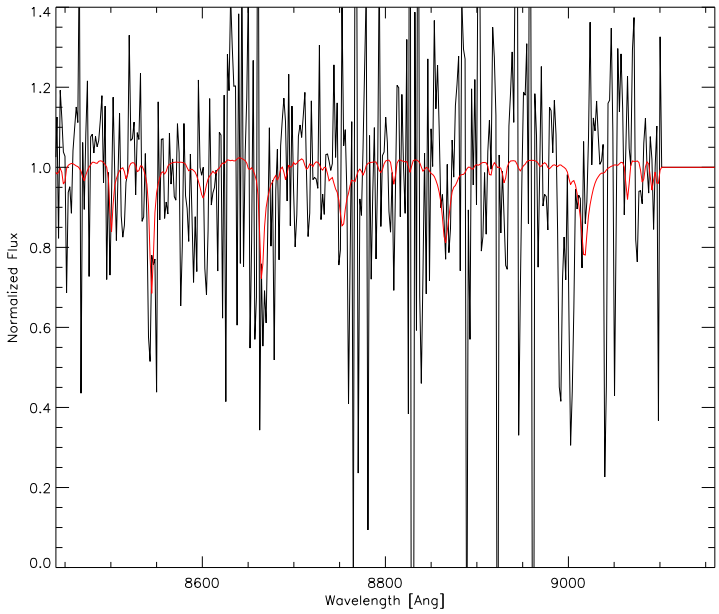

PLATE=0548 MJD=51982 Spectro-Photo Star Fiber 251
am05k2_6250_4.0.spc
Total χ^2/DOF= 1.27
Lines χ^2/DOF= 1.02
Fe/H=−0.5 T_{eff}= 6250. g=4.0 cz= −9.
Normalized Flux
Wavelength [Ang]

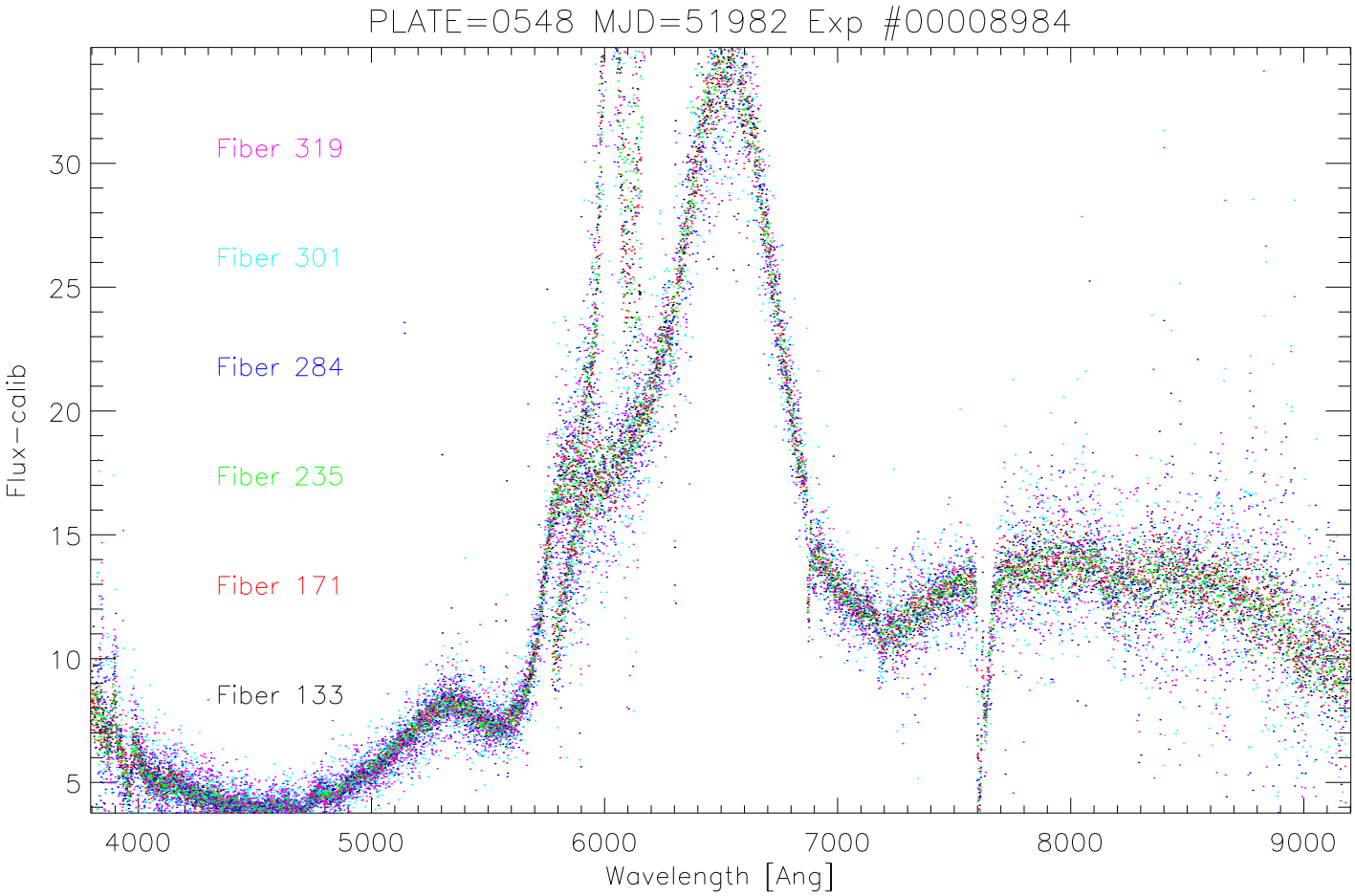

PLATE=0548 MJD=51982 Spectro-Photo Star Fiber 285
am10k2_6250_4.0.spc
Total χ^2/DOF= 1.33
Lines χ^2/DOF= 1.77
Fe/H=−1.0 T_{eff}= 6250. g=4.0 cz= 88.
Normalized Flux
Wavelength [Ang]

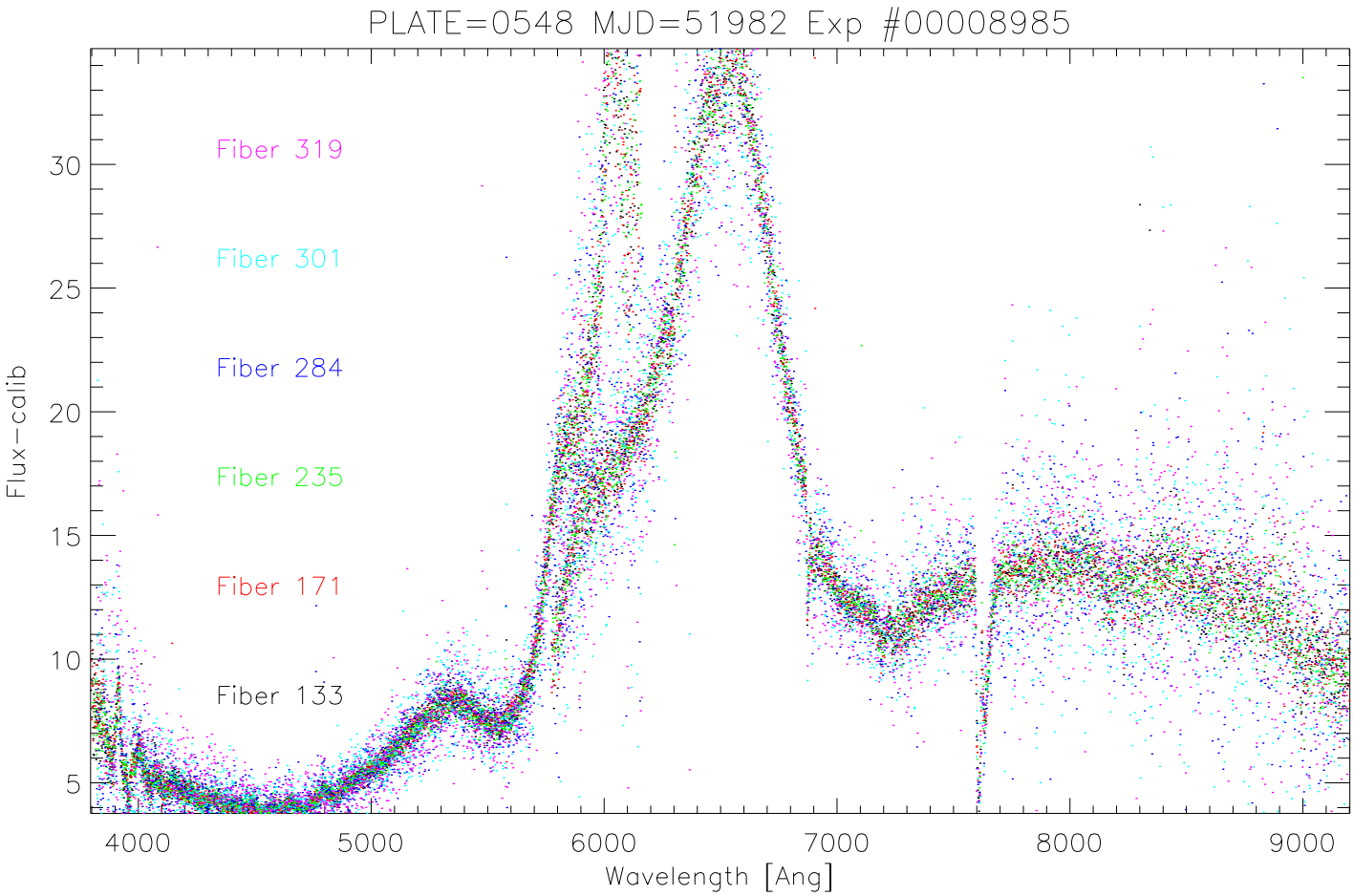

PLATE=0548 MJD=51982 Spectro-Photo Star Fiber 302
am05k2_6250_4.5.spc
Total χ^2/DOF= 1.33
Lines χ^2/DOF= 1.39
Fe/H=-0.5 T_{eff}= 6250. g=4.5 cz= -27.
Normalized Flux
Wavelength [Ang]

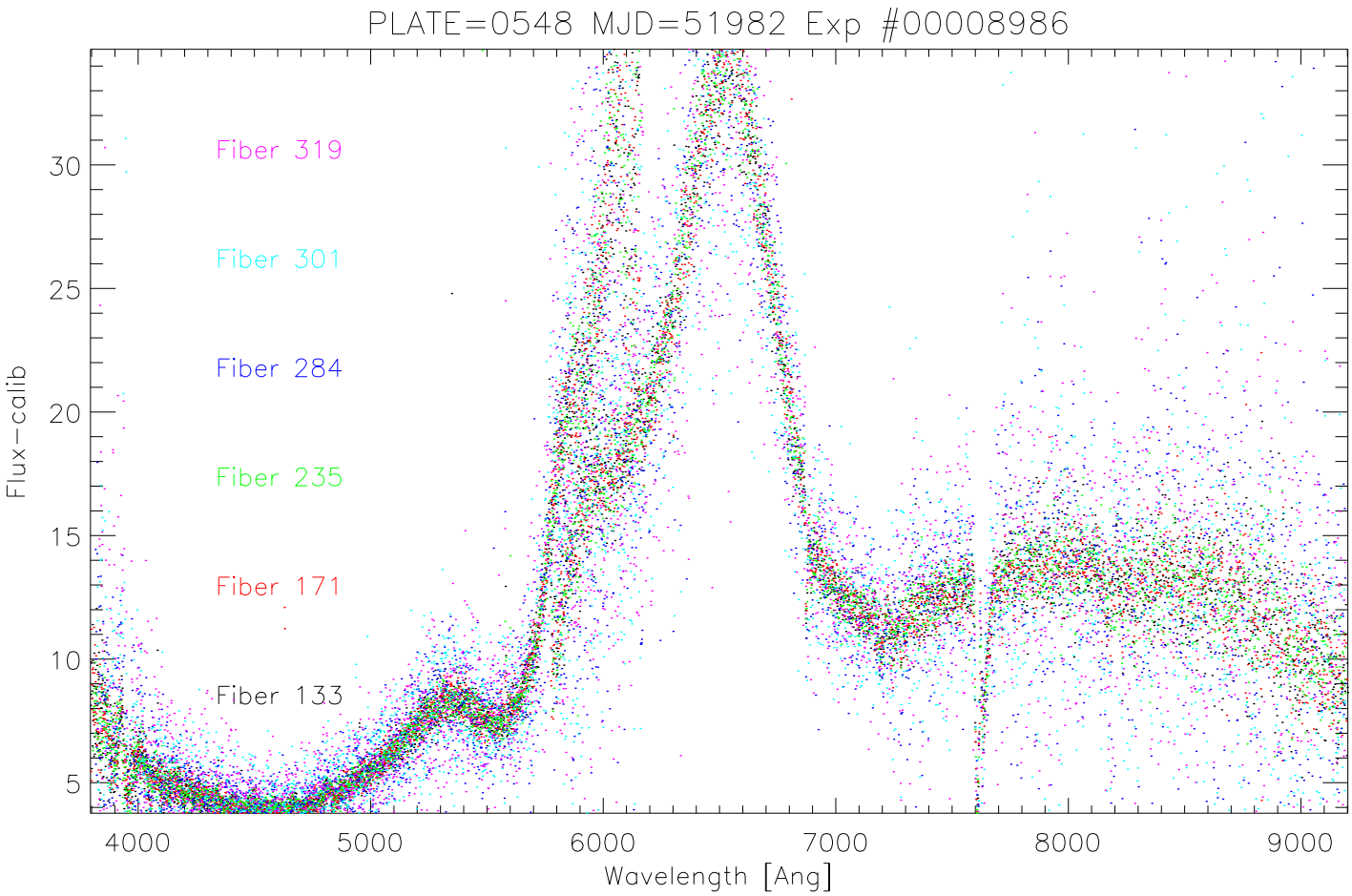

Normalized Flux
Wavelength [Ang]


PLATE=0548 MJD=51982 Spectro-Photo Star Fiber 320
am10k2_5500_4.5.spc
Total χ^2/DOF= 1.54
Lines χ^2/DOF= 1.60
Fe/H=-1.0 T_{eff}= 5500. g=4.5 cz= 5.
Normalized Flux
Wavelength [Ang]


Normalized Flux
Wavelength [Ang]


PLATE=0548 MJD=51982 Exp #00008984
Fiber 319
Fiber 301
Fiber 284
Fiber 235
Fiber 171
Fiber 133
Flux−calib
Wavelength [Ang]
5
10
15
20
25
30
4000
5000
6000
7000
8000
9000


PLATE=0548 MJD=51982 Exp #00008985
Fiber 319
Fiber 301
Fiber 284
Fiber 235
Fiber 171
Fiber 133
Flux−calib
Wavelength [Ang]
5
10
15
20
25
30
4000
5000
6000
7000
8000
9000


PLATE=0548 MJD=51982 Exp #00008986
Fiber 319
Fiber 301
Fiber 284
Fiber 235
Fiber 171
Fiber 133
Flux−calib
Wavelength [Ang]
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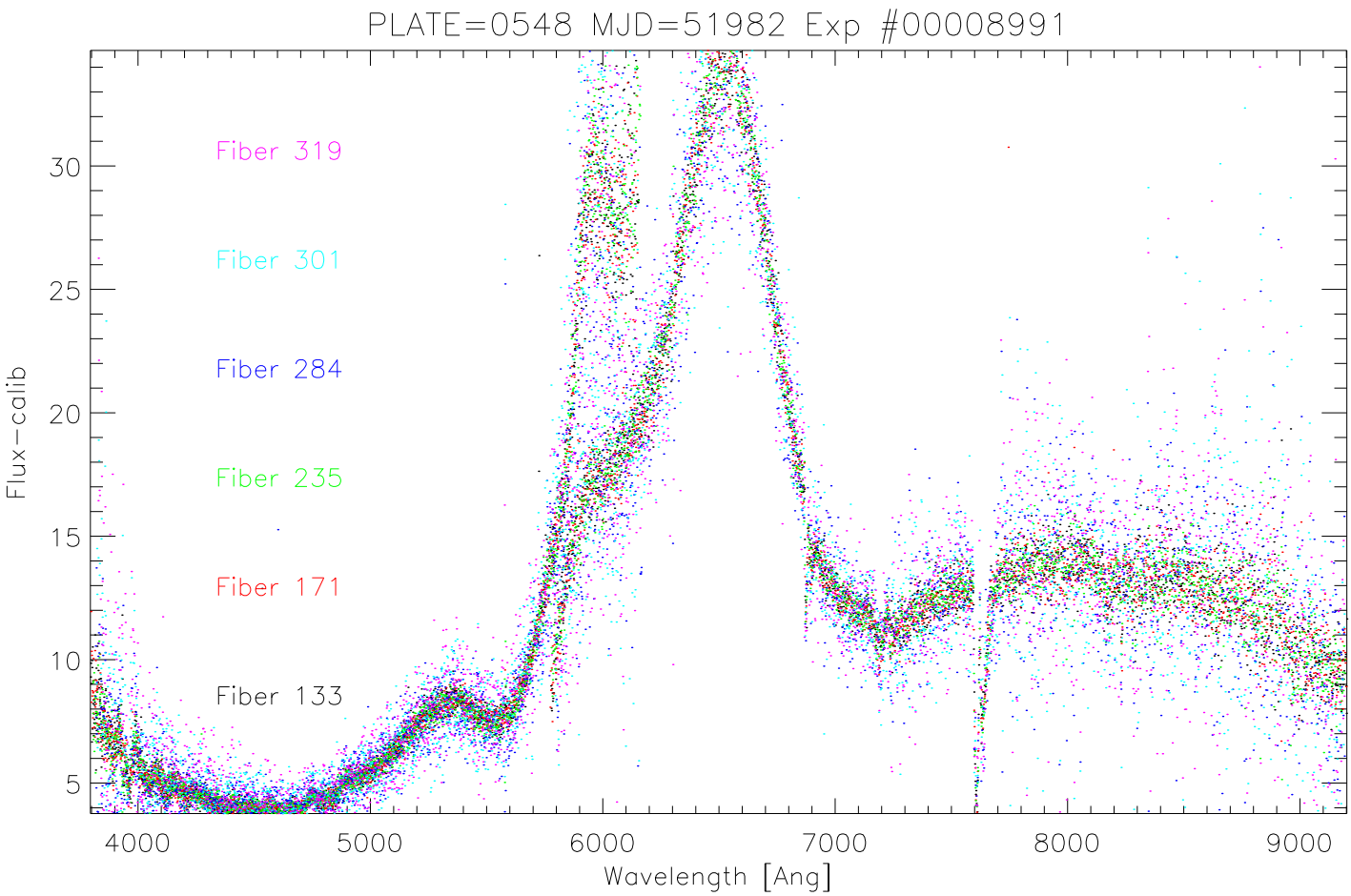
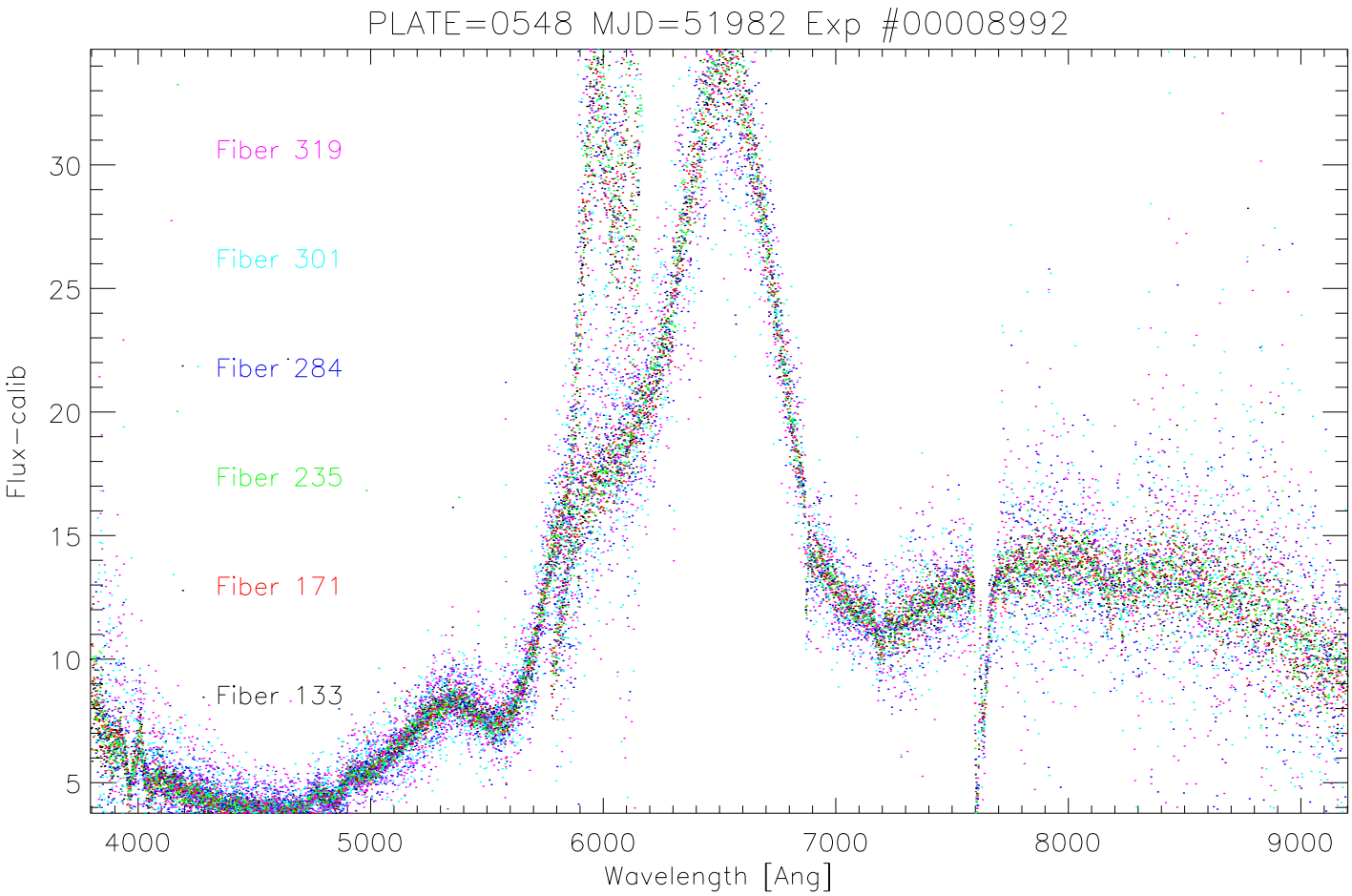
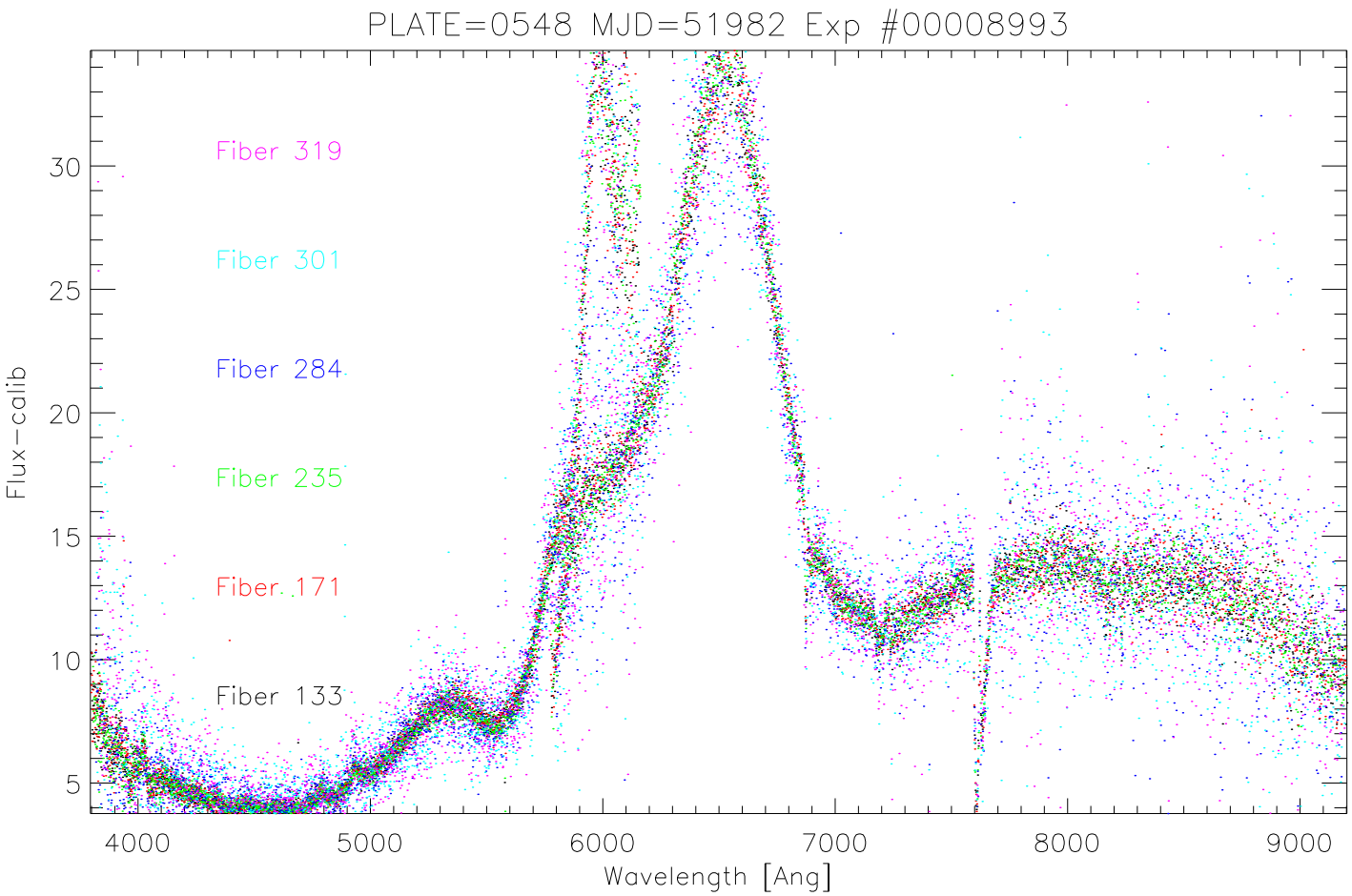
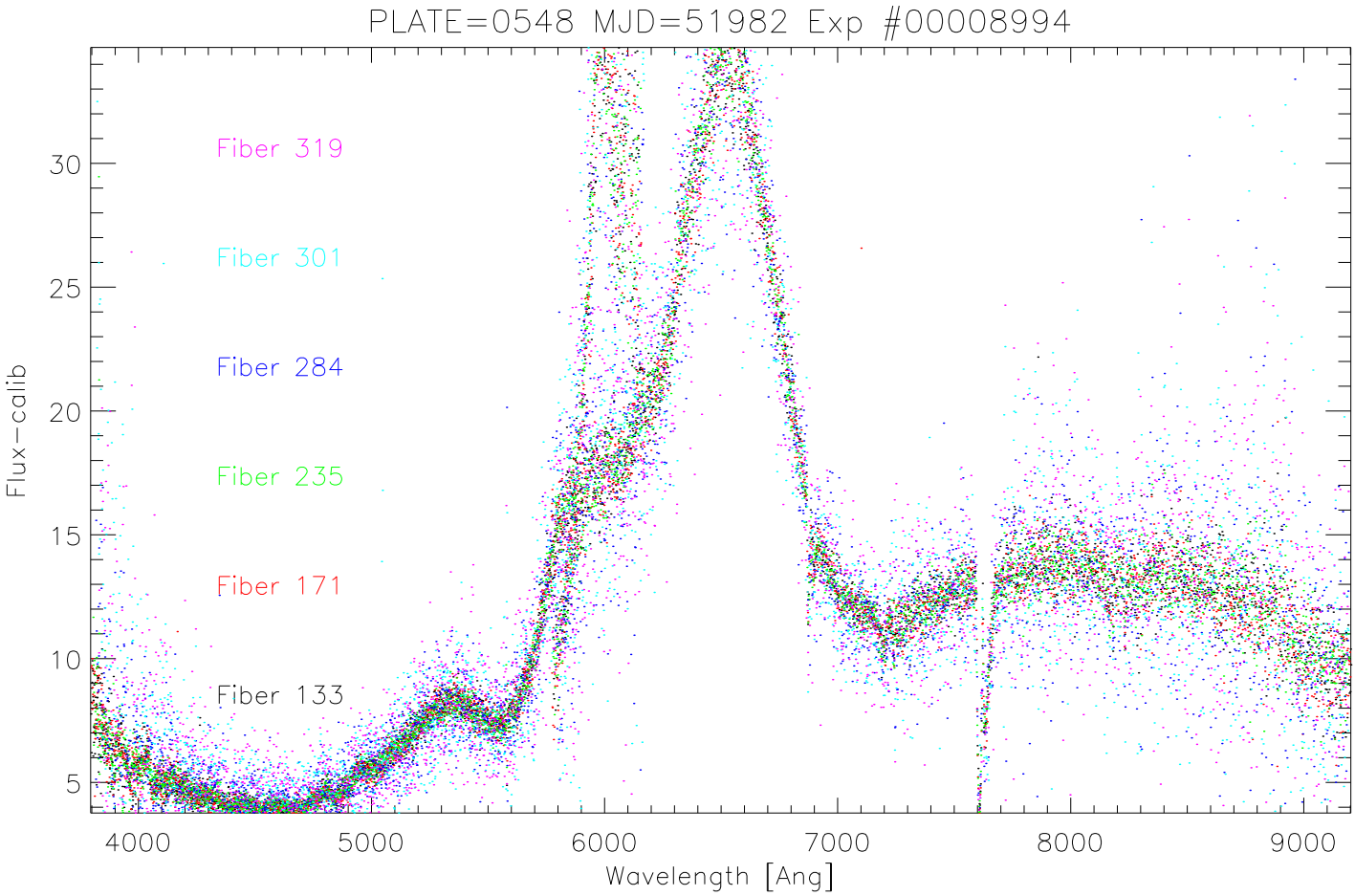
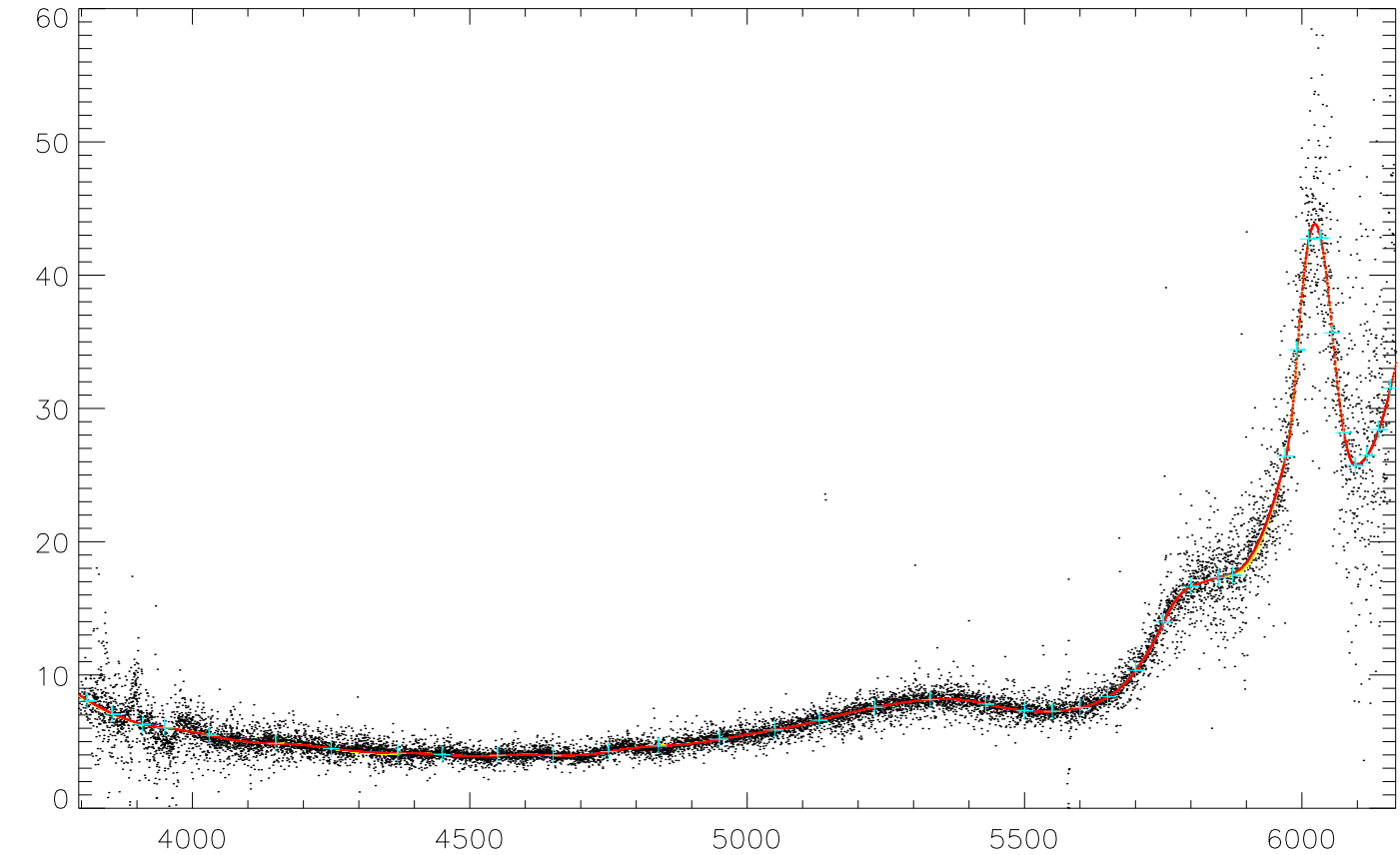
4000
5000
6000
7000
8000
9000

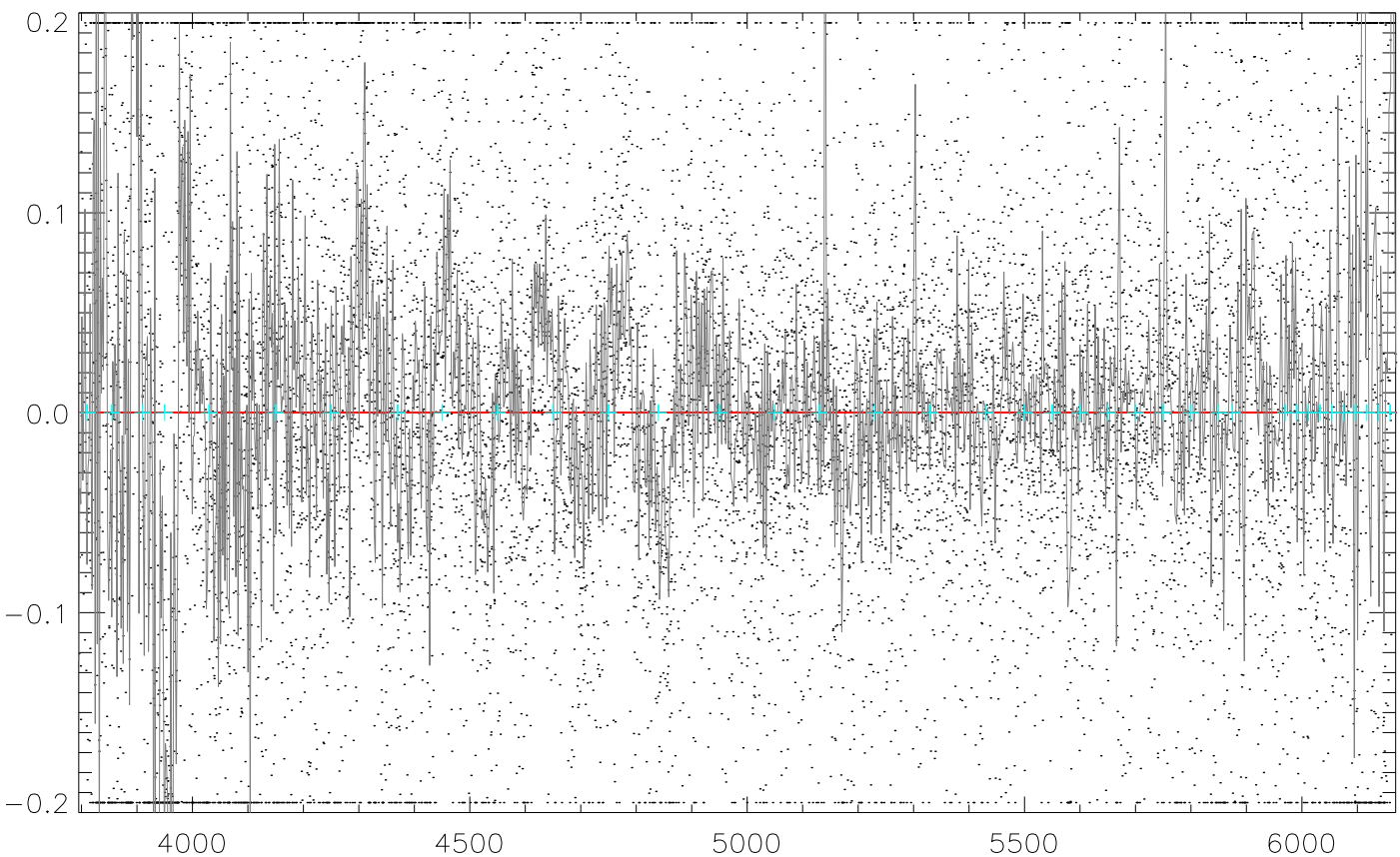

PLATE=0548 MJD=51982 Exp #00008991
Fiber 319
Fiber 301
Fiber 284
Fiber 235
Fiber 171
Fiber 133
Flux−calib
Wavelength [Ang]
5
10
15
20
25
30
4000
5000
6000
7000
8000
9000

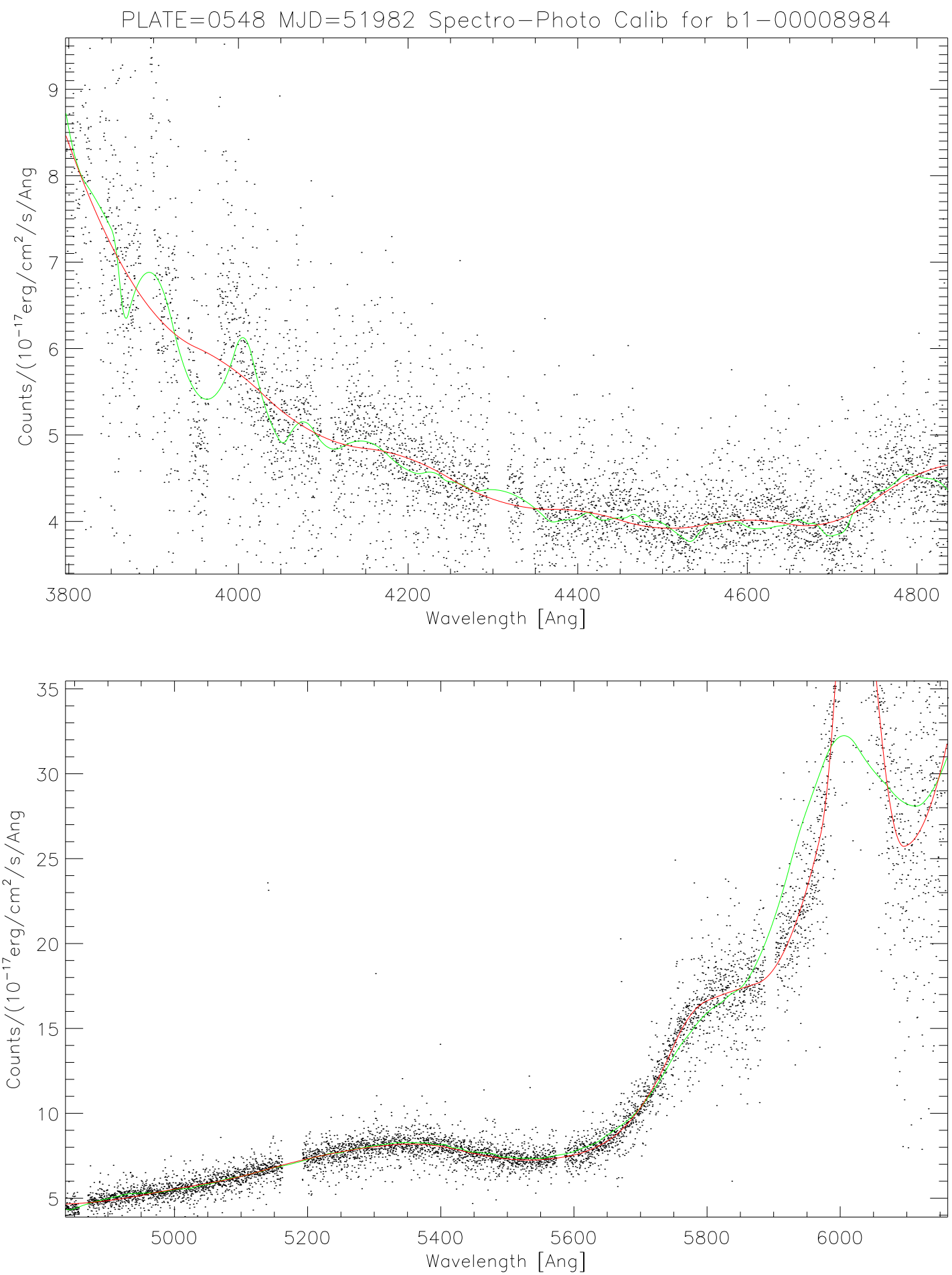

PLATE=0548 MJD=51982 Exp #00008992
Fiber 319
Fiber 301
Fiber 284
Fiber 235
Fiber 171
Fiber 133
Flux−calib
Wavelength [Ang]
5
10
15
20
25
30
4000
5000
6000
7000
8000
9000

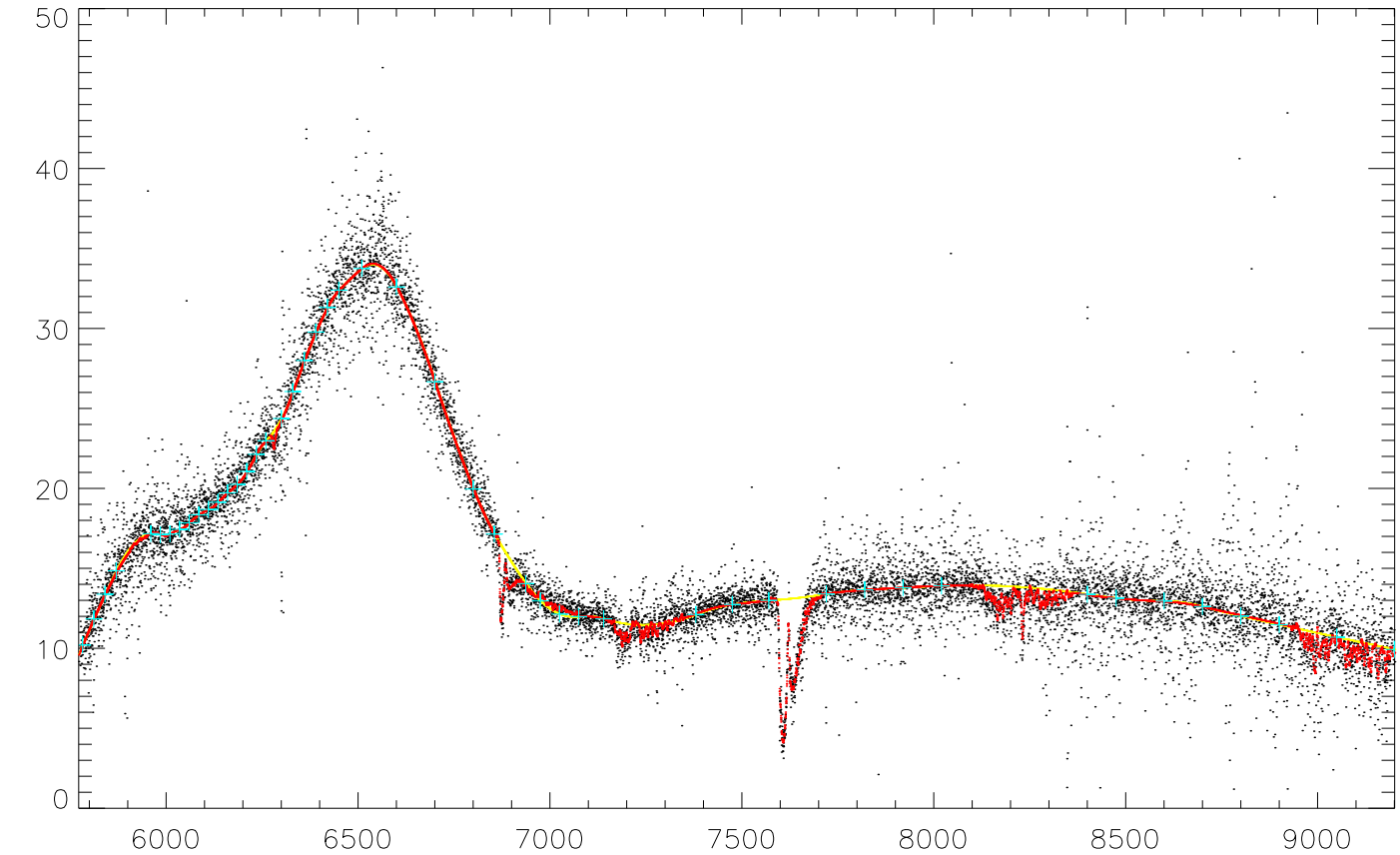

PLATE=0548 MJD=51982 Exp #00008993
Fiber 319
Fiber 301
Fiber 284
Fiber 235
Fiber 171
Fiber 133
Flux−calib
Wavelength [Ang]
5
10
15
20
25
30
4000
5000
6000
7000
8000
9000

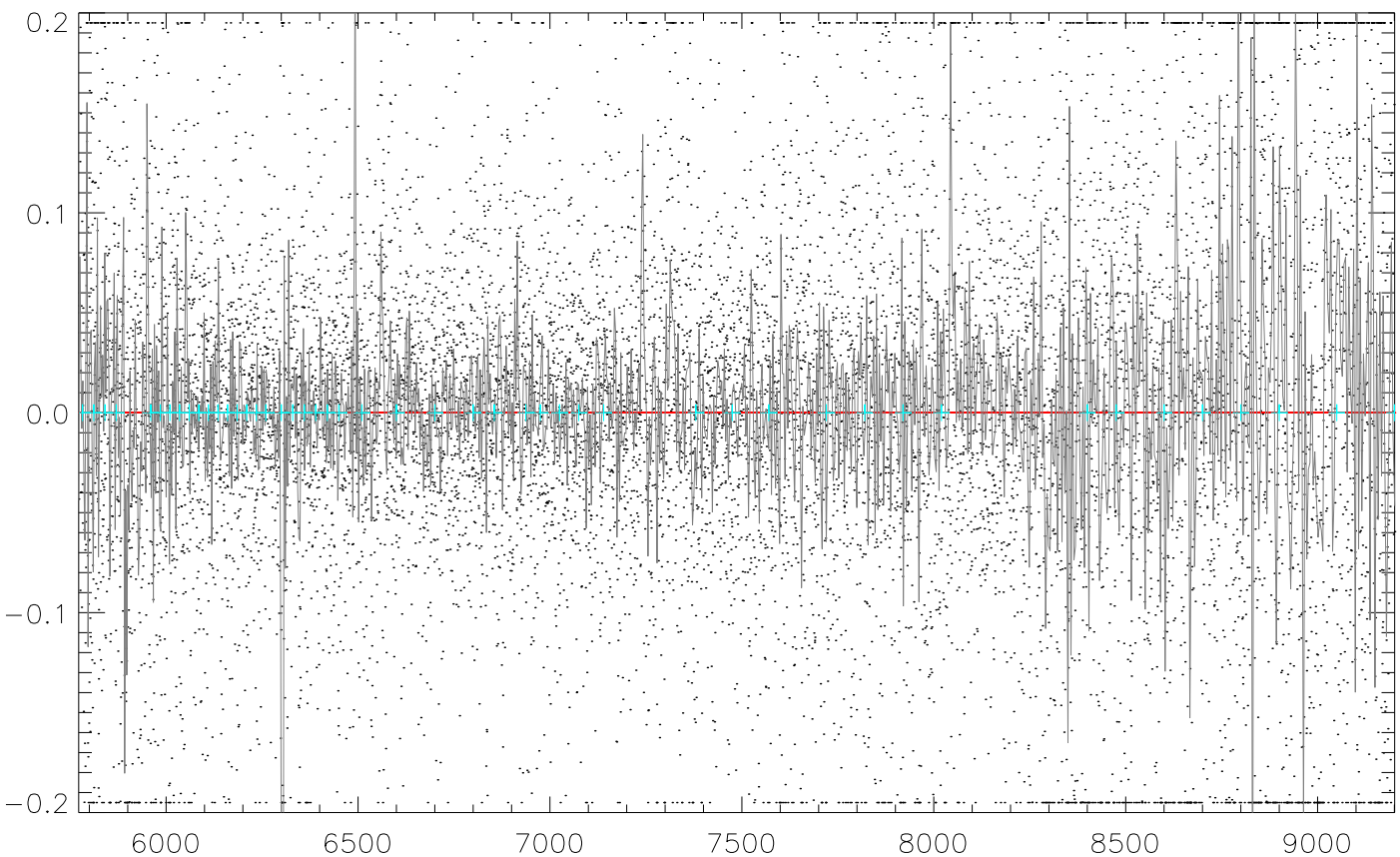

PLATE=0548 MJD=51982 Exp #00008994
Fiber 319
Fiber 301
Fiber 284
Fiber 235
Fiber 171
Fiber 133
Flux−calib
30
25
20
15
10
5
4000
5000
6000
7000
8000
9000
Wavelength [Ang]

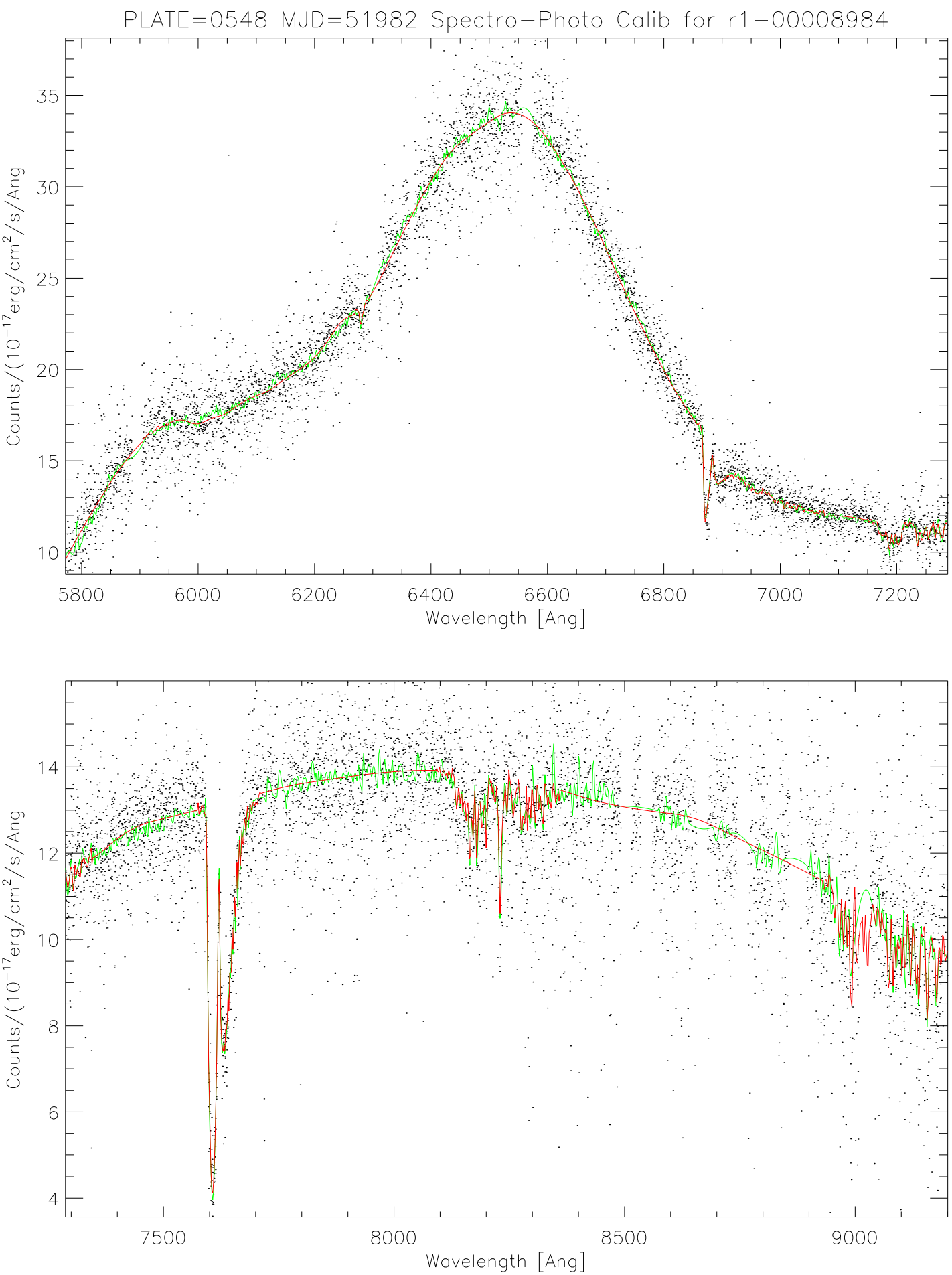

60
50
40
30
20
10
0
4000
4500
5000
5500
6000

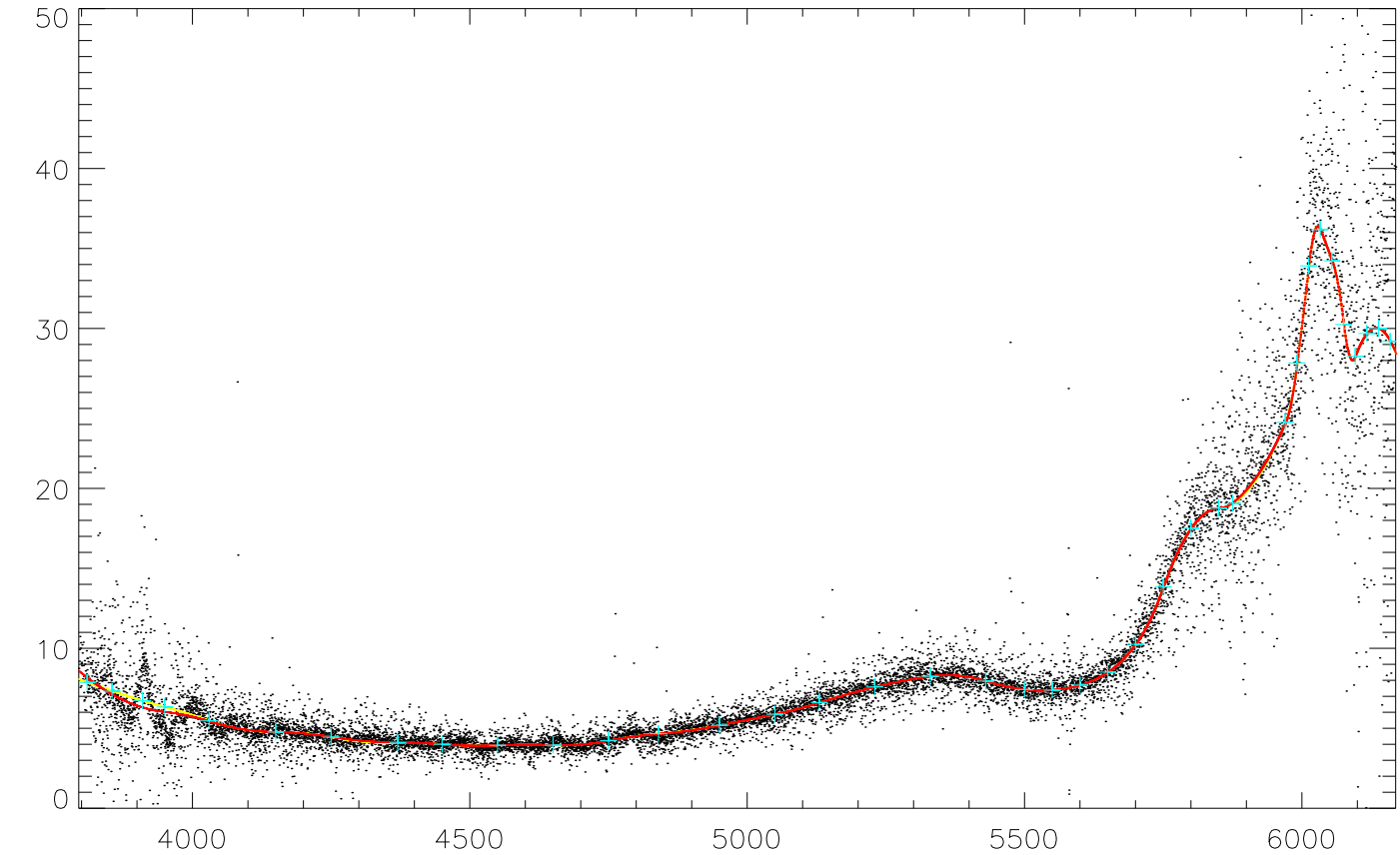

0.2
0.1
0.0
−0.1
−0.2
4000
4500
5000
5500
6000

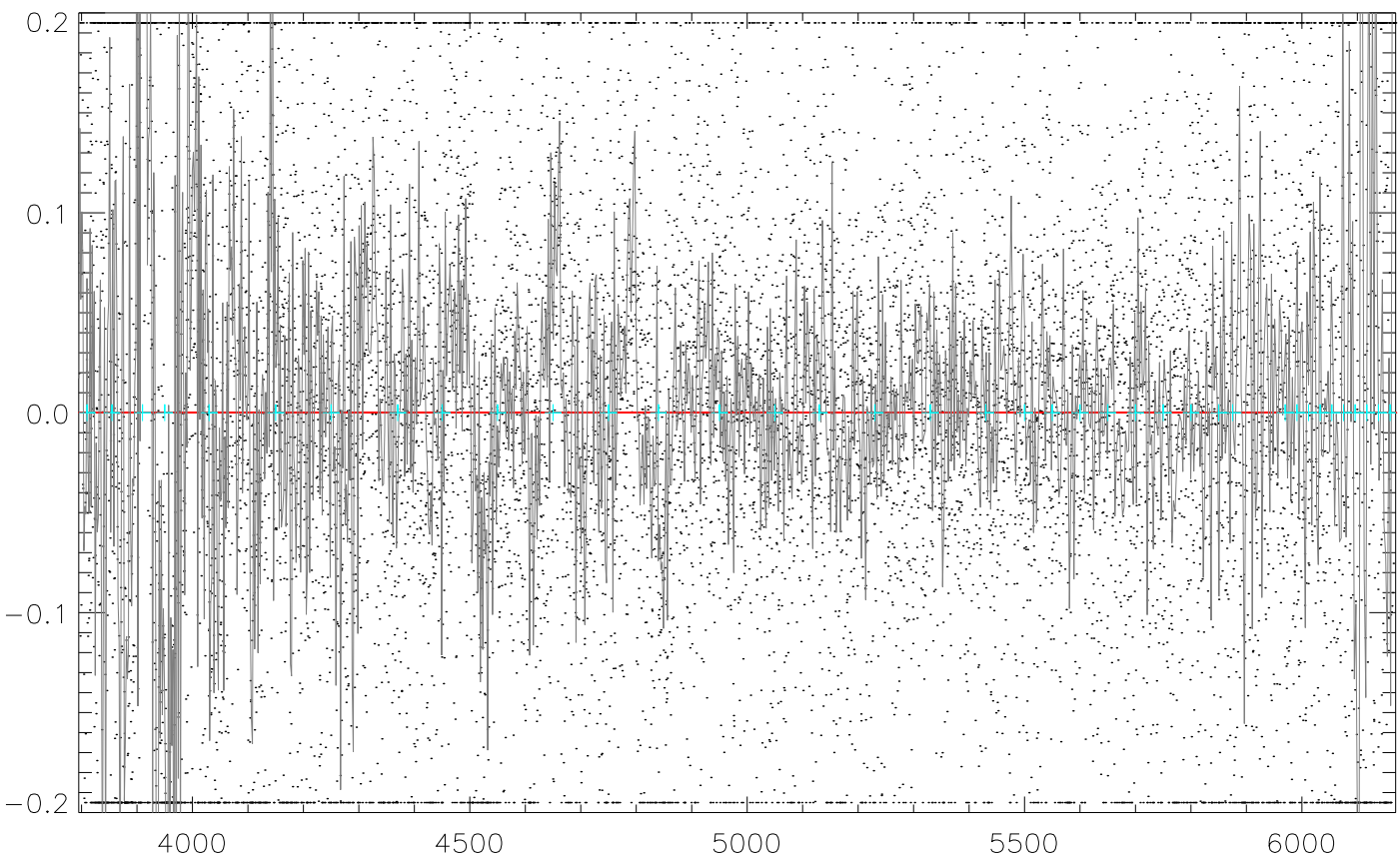

PLATE=0548 MJD=51982 Spectro−Photo Calib for b1−00008984
Counts/(10^-17 erg/cm^2/s/Ang
Wavelength [Ang]
3800
4000
4200
4400
4600
4800
4
5
6
7
8
9
Counts/(10^-17 erg/cm^2/s/Ang
Wavelength [Ang]
5000
5200
5400
5600
5800
6000
5
10
15
20
25
30
35

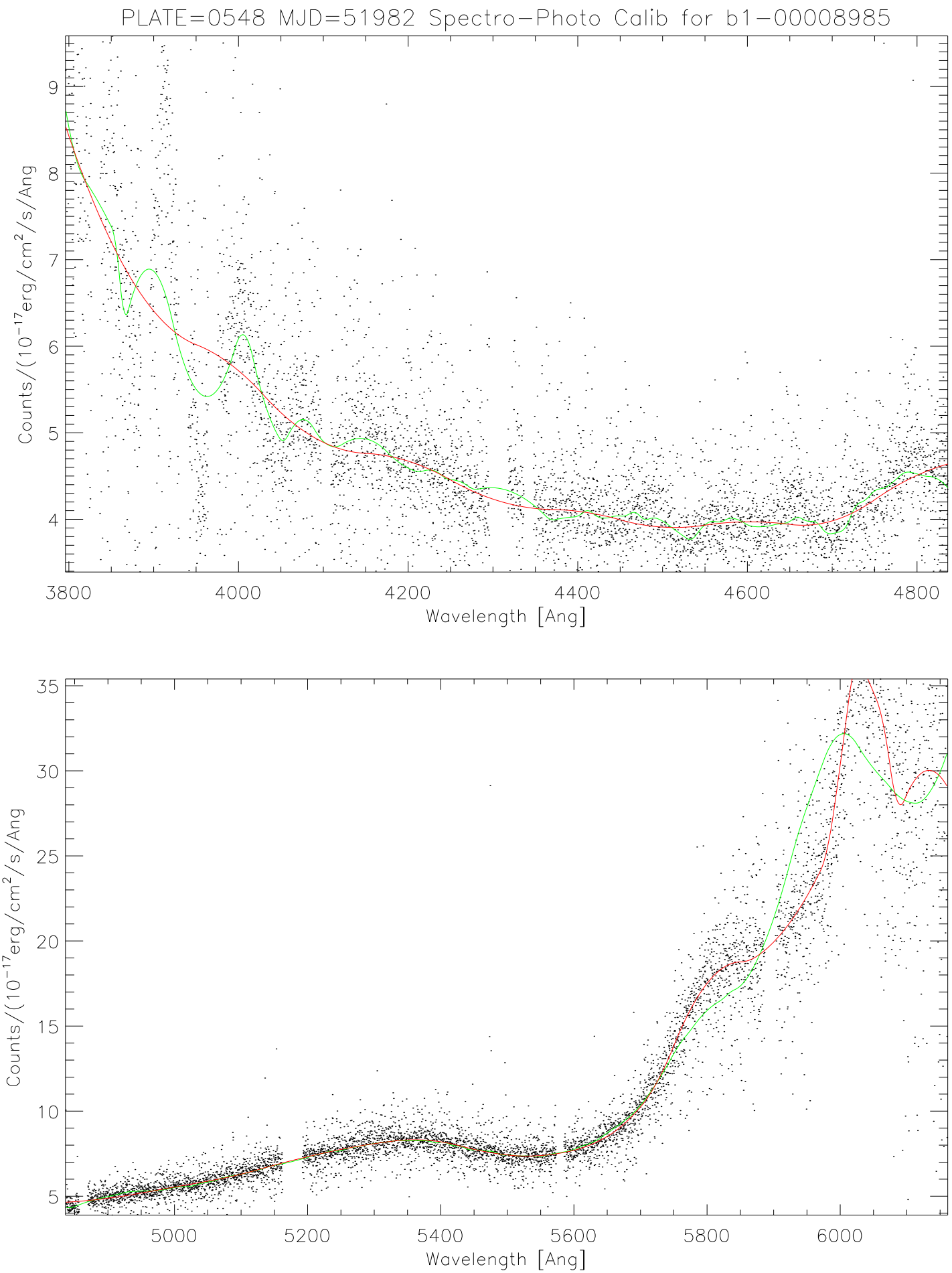

50
40
30
20
10
0
6000
6500
7000
7500
8000
8500
9000

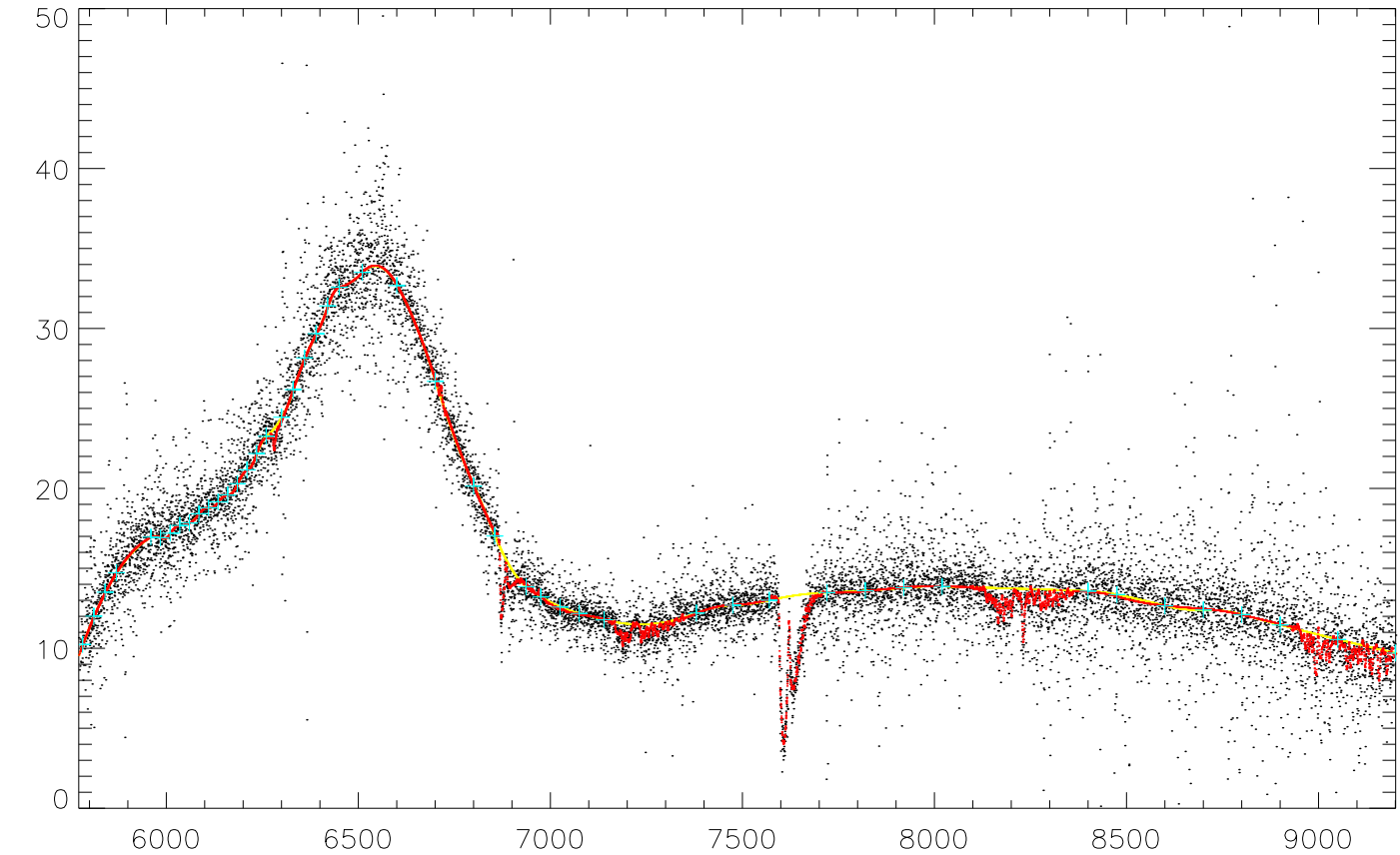

0.2
0.1
0.0
−0.1
−0.2
6000
6500
7000
7500
8000
8500
9000

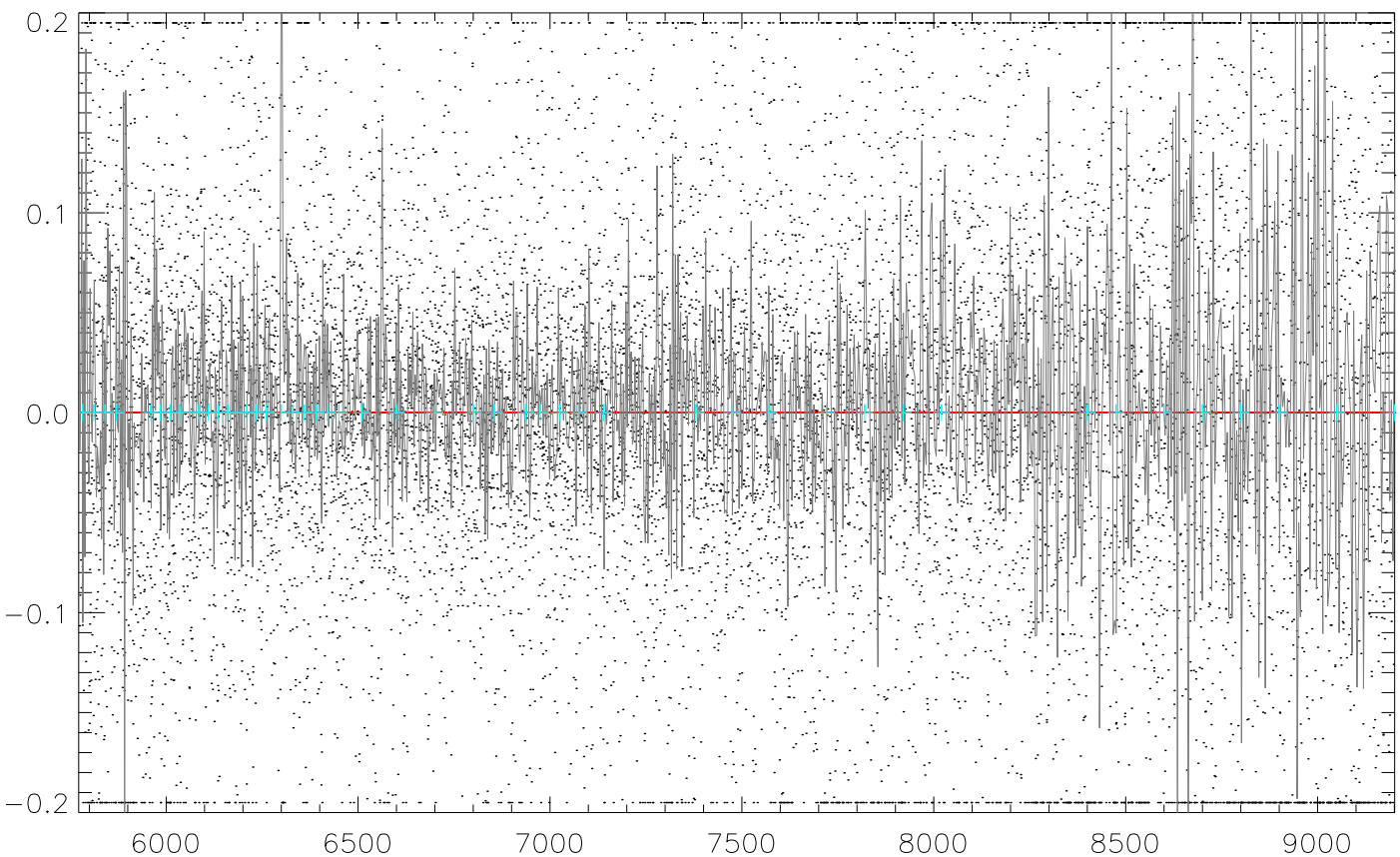

PLATE=0548 MJD=51982 Spectro−Photo Calib for r1−00008984
Counts/(10^-17 erg/cm^2/s/Ang
Wavelength [Ang]
5800
6000
6200
6400
6600
6800
7000
7200
10
15
20
25
30
35
7500
8000
8500
9000
4
6
8
10
12
14

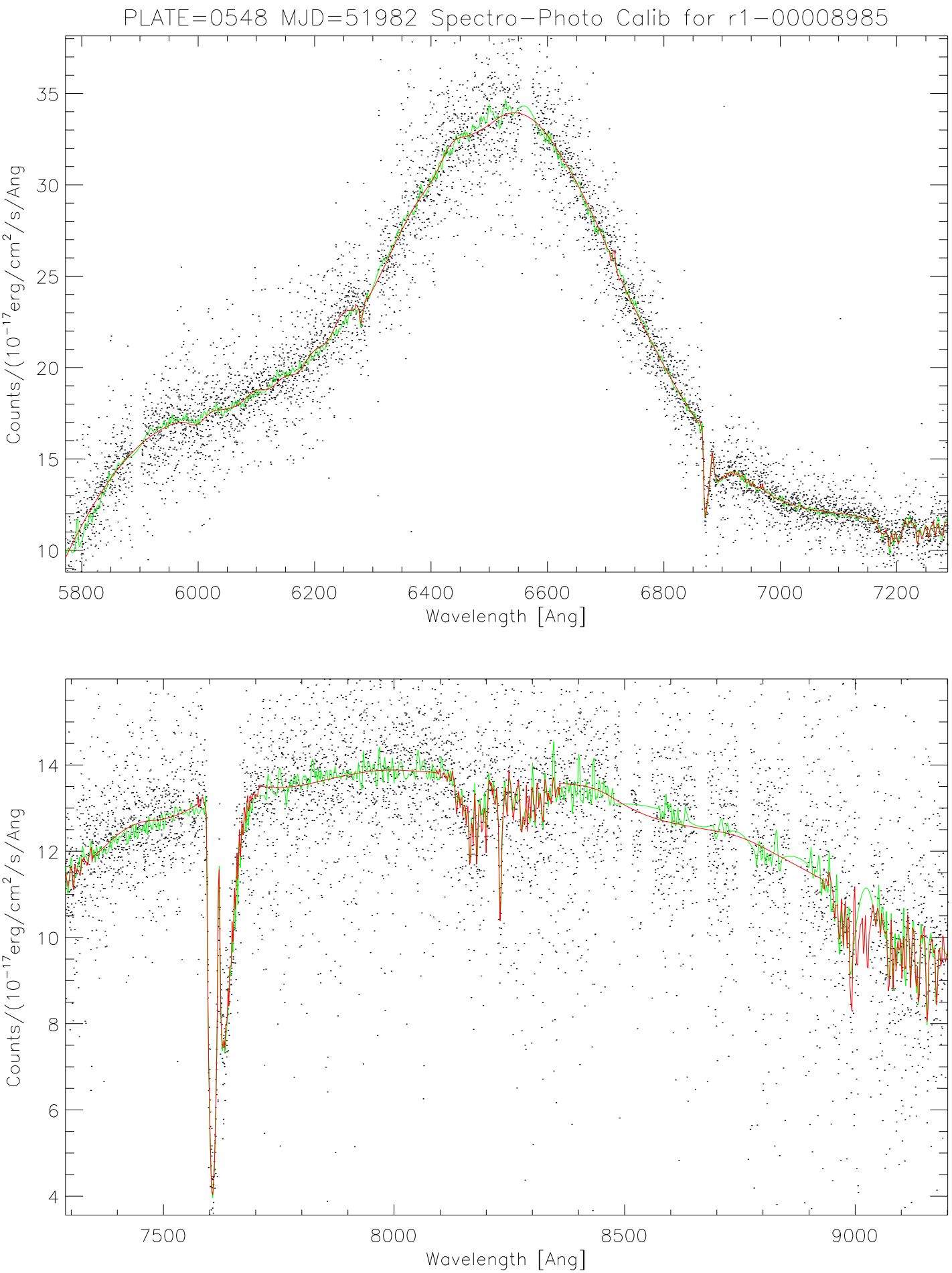

50
40
30
20
10
0
4000
4500
5000
5500
6000

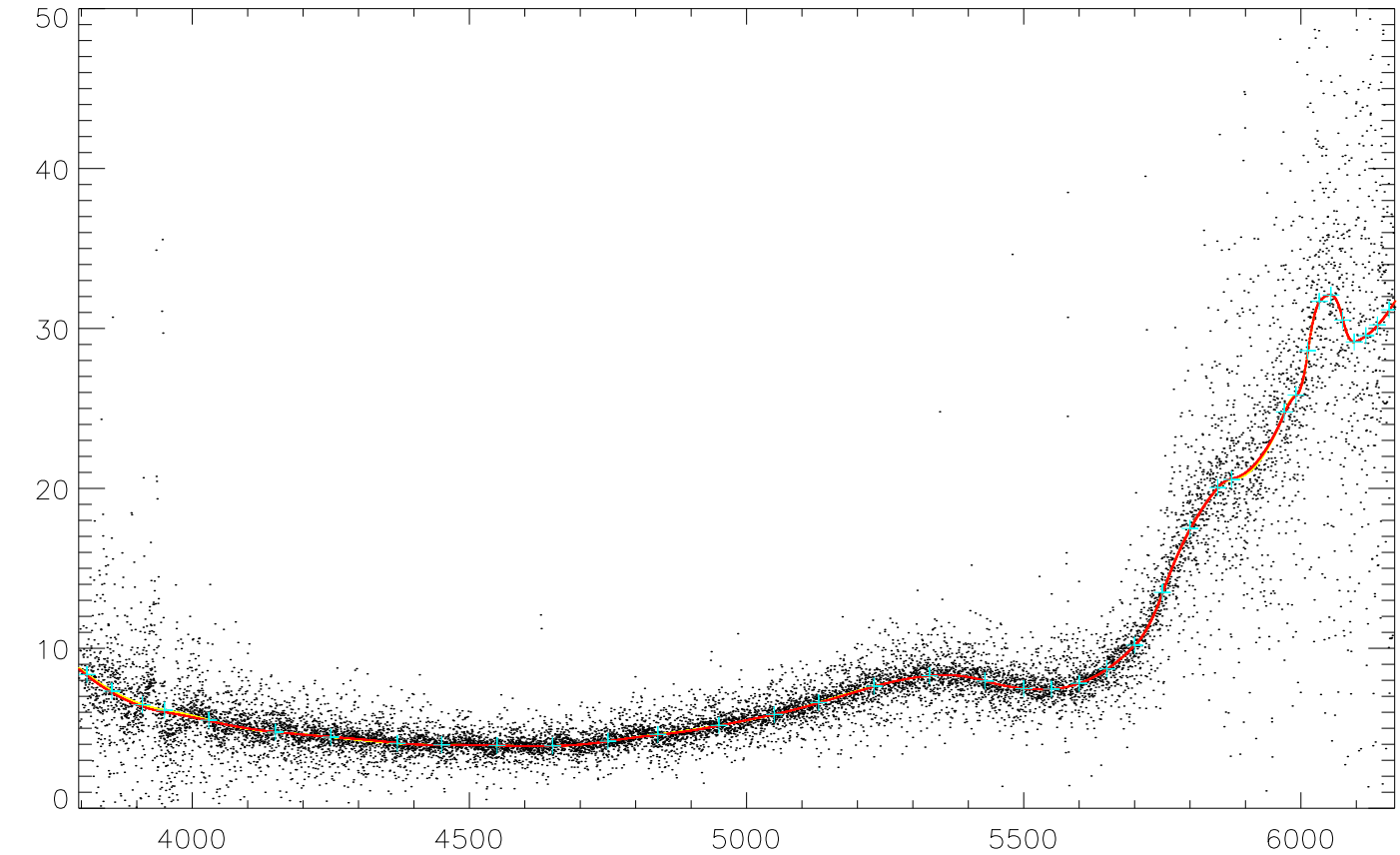

0.2
0.1
0.0
−0.1
−0.2
4000
4500
5000
5500
6000


PLATE=0548 MJD=51982 Spectro−Photo Calib for b1−00008985
Counts/(10^-17 erg/cm^2/s/Ang
Wavelength [Ang]
3800
4000
4200
4400
4600
4800
4
5
6
7
8
9
Counts/(10^-17 erg/cm^2/s/Ang
Wavelength [Ang]
5000
5200
5400
5600
5800
6000
5
10
15
20
25
30
35


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=0548 MJD=51982 Spectro−Photo Calib for r1−00008985
Counts/(10^-17 erg/cm^2/s/Ang
Wavelength [Ang]
35
30
25
20
15
10
5800
6000
6200
6400
6600
6800
7000
7200
14
12
10
8
6
4
7500
8000
8500
9000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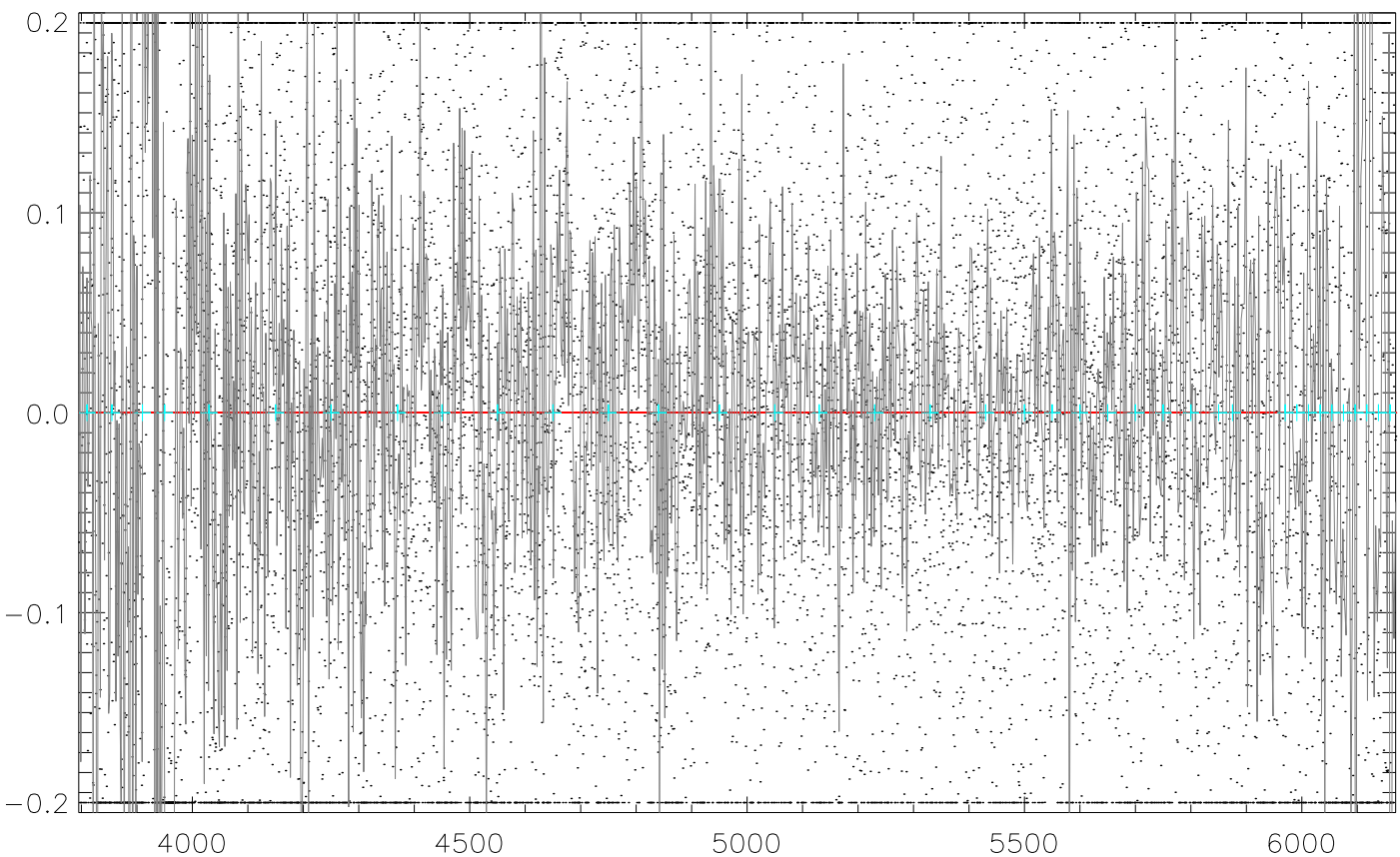
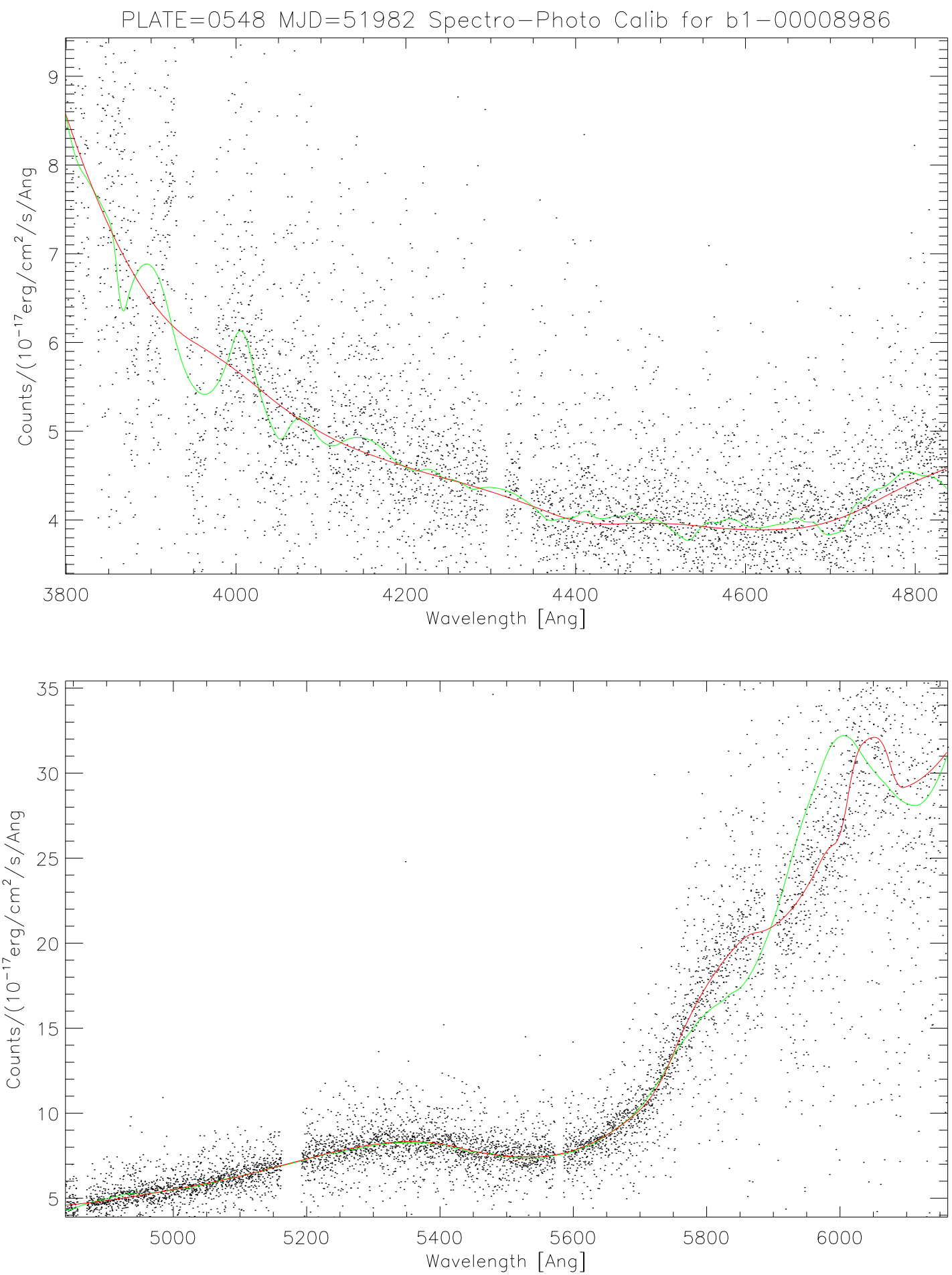
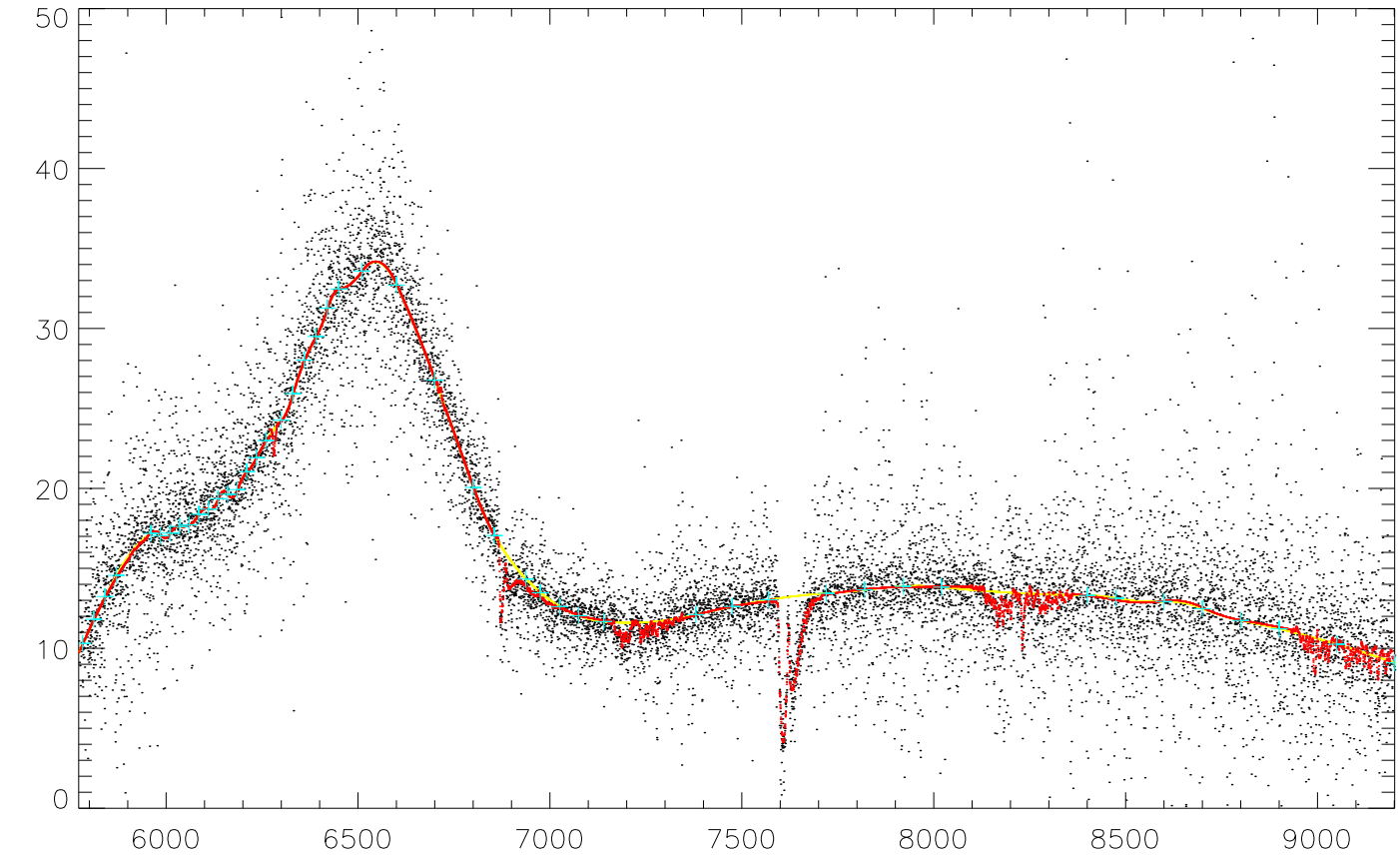
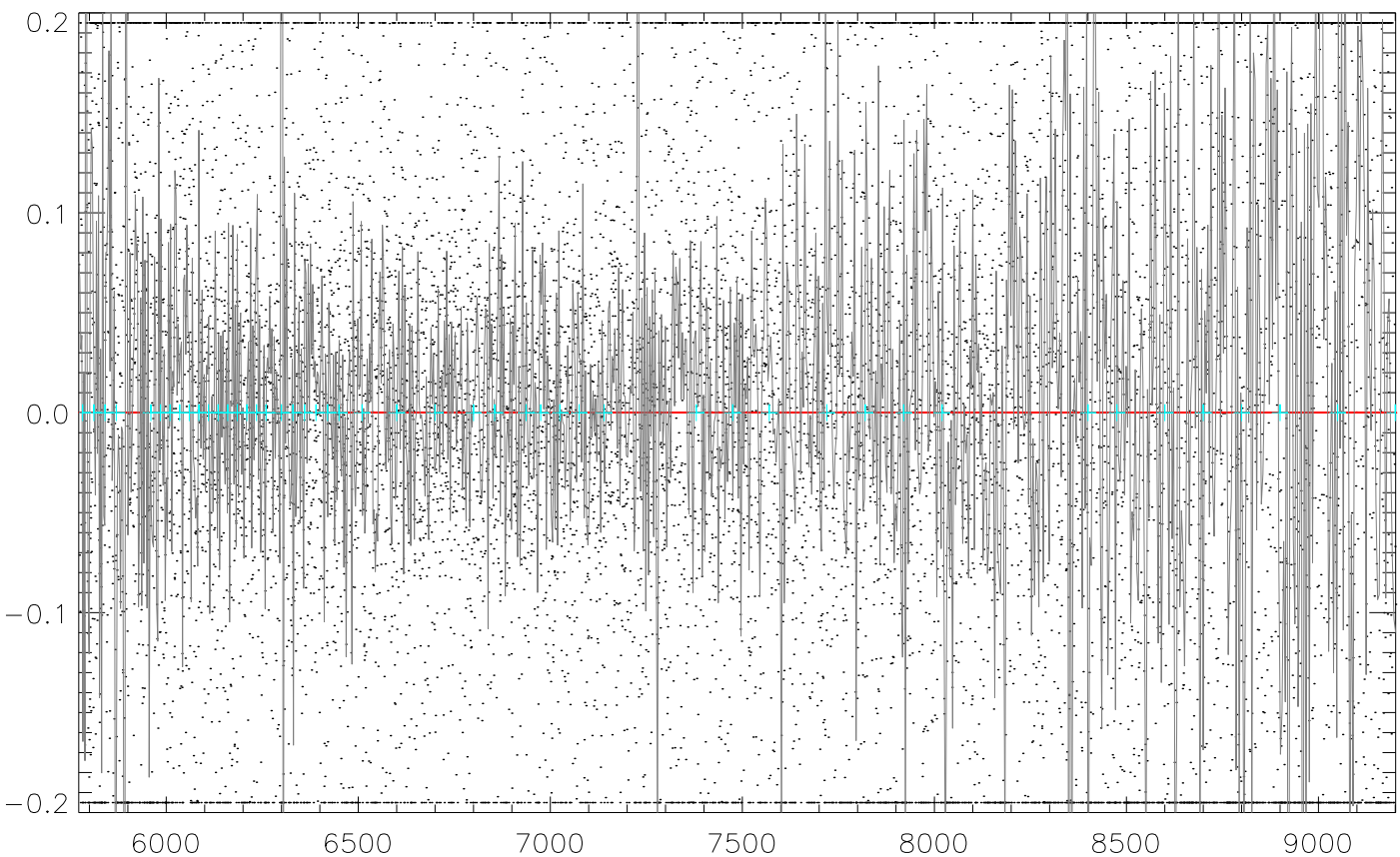
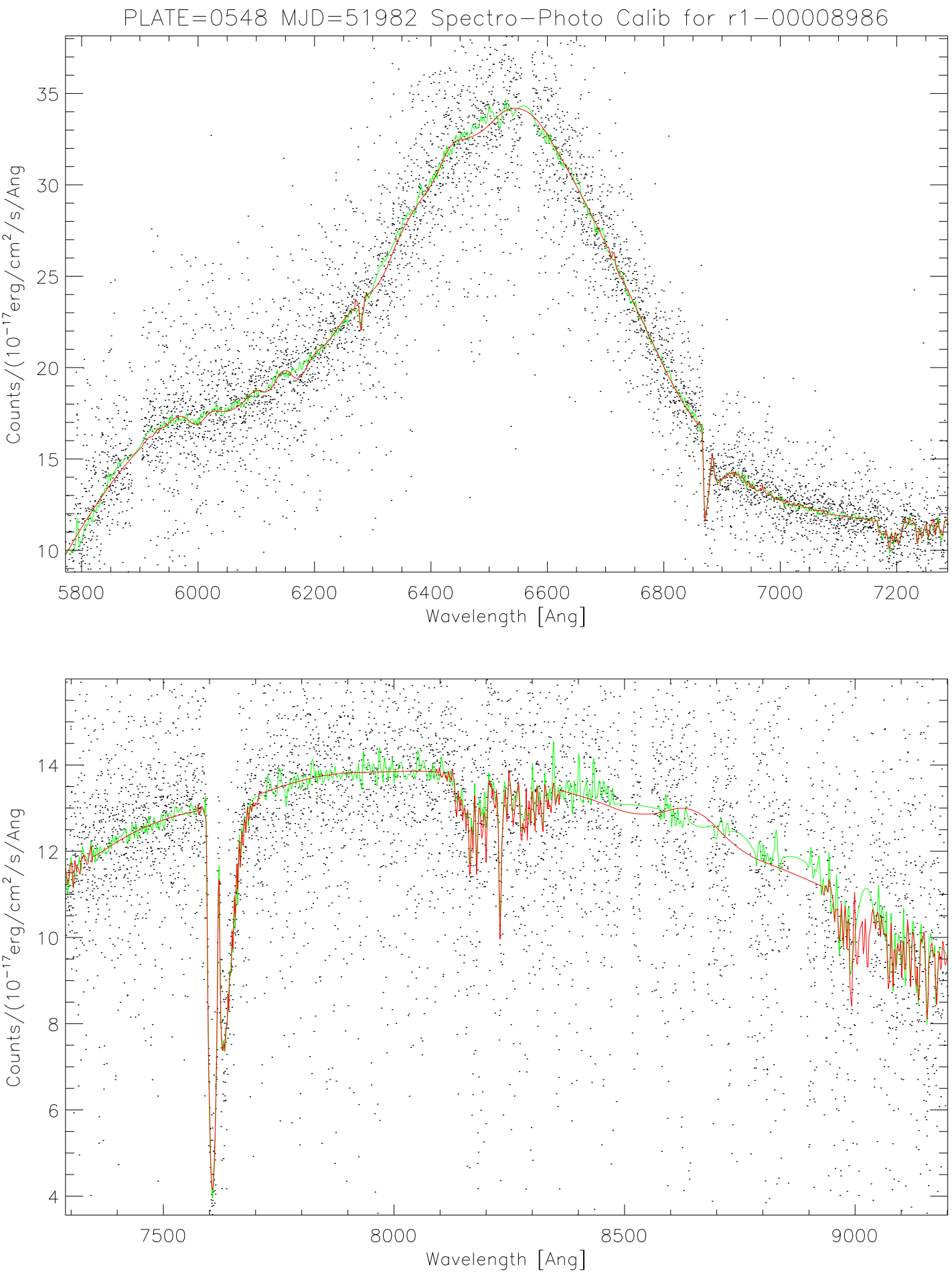
40
30
20
10
0
4000
4500
5000
5500
6000

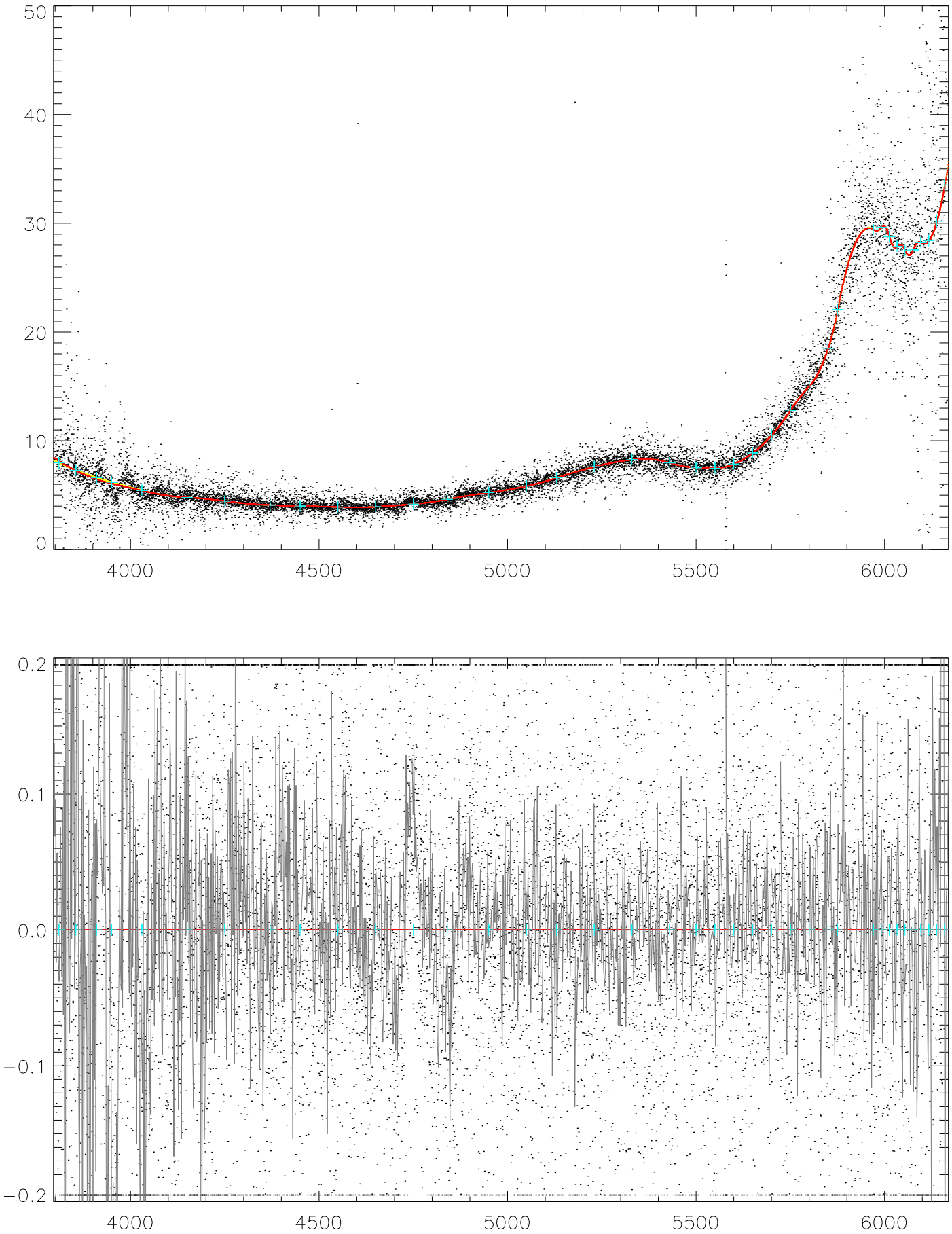

0.2
0.1
0.0
−0.1
−0.2
4000
4500
5000
5500
6000

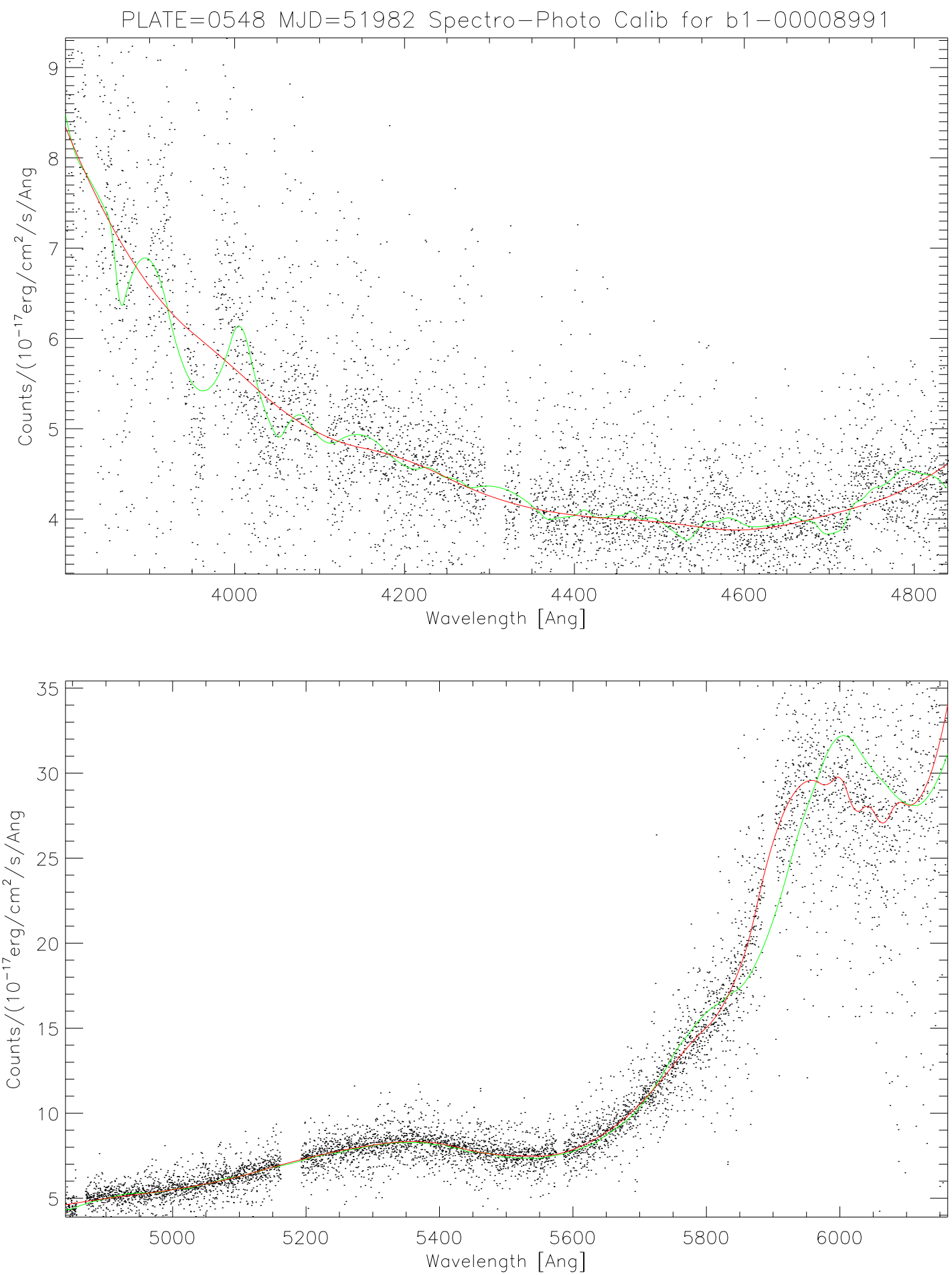

PLATE=0548 MJD=51982 Spectro−Photo Calib for b1−00008986
Counts/(10^-17 erg/cm^2/s/Ang
Wavelength [Ang]
3800
4000
4200
4400
4600
4800
4
5
6
7
8
9
Counts/(10^-17 erg/cm^2/s/Ang
Wavelength [Ang]
5000
5200
5400
5600
5800
6000
5
10
15
20
25
30
35

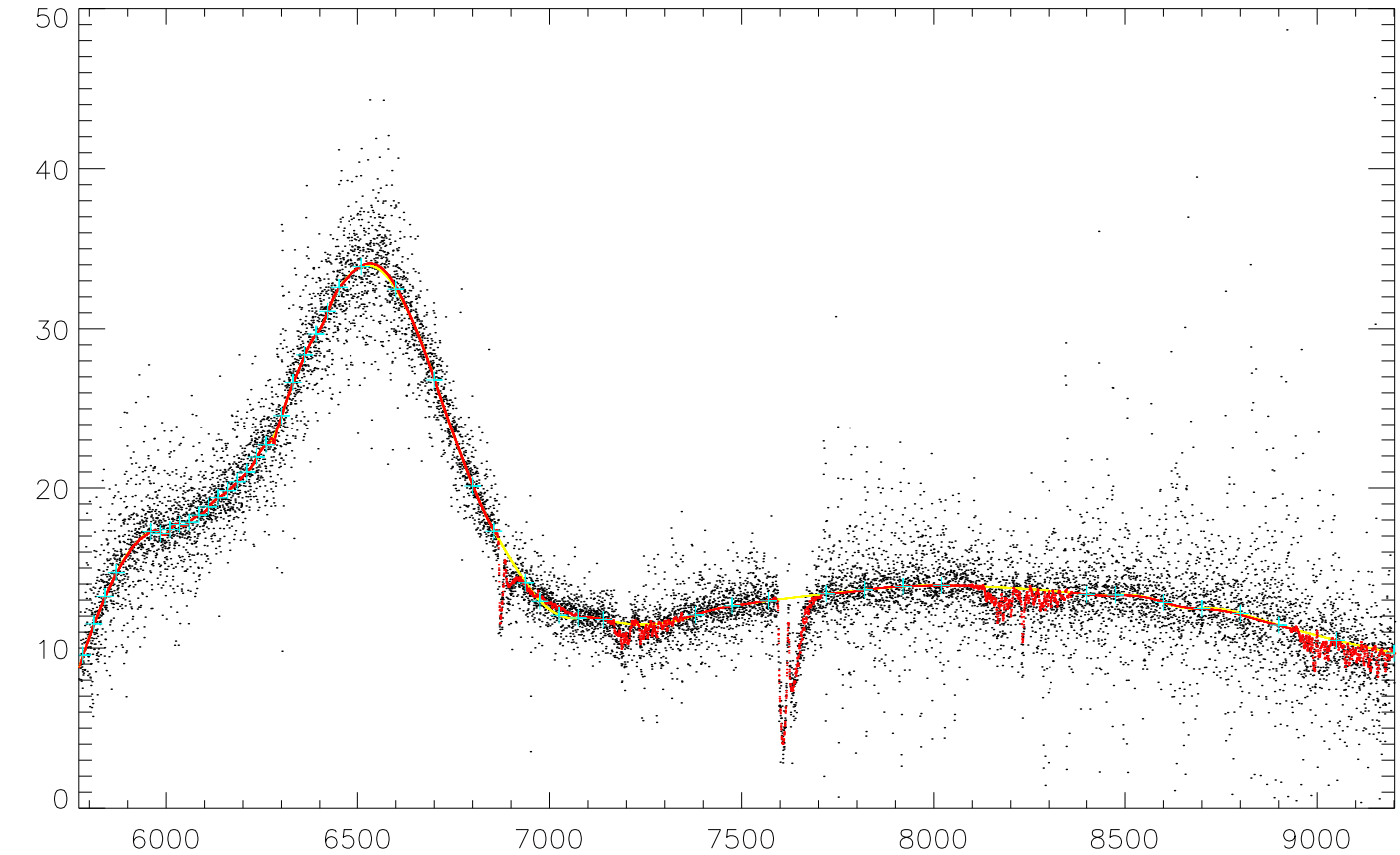

50
40
30
20
10
0
6000
6500
7000
7500
8000
8500
9000

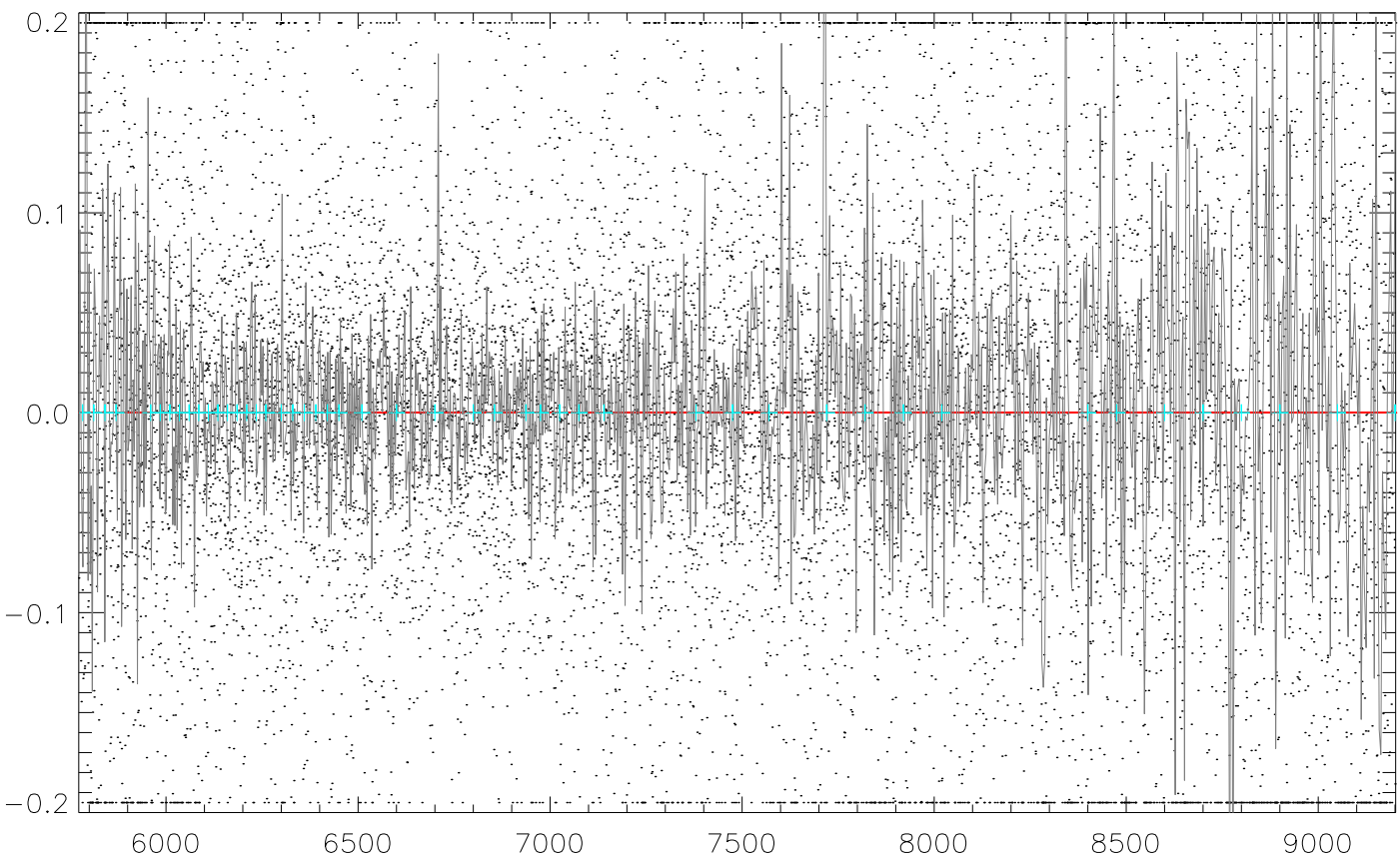

0.2
0.1
0.0
−0.1
−0.2
6000
6500
7000
7500
8000
8500
9000


PLATE=0548 MJD=51982 Spectro−Photo Calib for r1−00008986
Counts/(10^-17 erg/cm^2/s/Ang
Wavelength [Ang]
35
30
25
20
15
10
5800
6000
6200
6400
6600
6800
7000
7200
14
12
10
8
6
4
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=0548 MJD=51982 Spectro−Photo Calib for b1−00008991
Counts/(10^-17 erg/cm^2/s/Ang
Wavelength [Ang]
4000
4200
4400
4600
4800
4
5
6
7
8
9
Counts/(10^-17 erg/cm^2/s/Ang
Wavelength [Ang]
5000
5200
5400
5600
5800
6000
5
10
15
20
25
30
35


50
40
30
20
10
0
6000
6500
7000
7500
8000
8500
9000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7500
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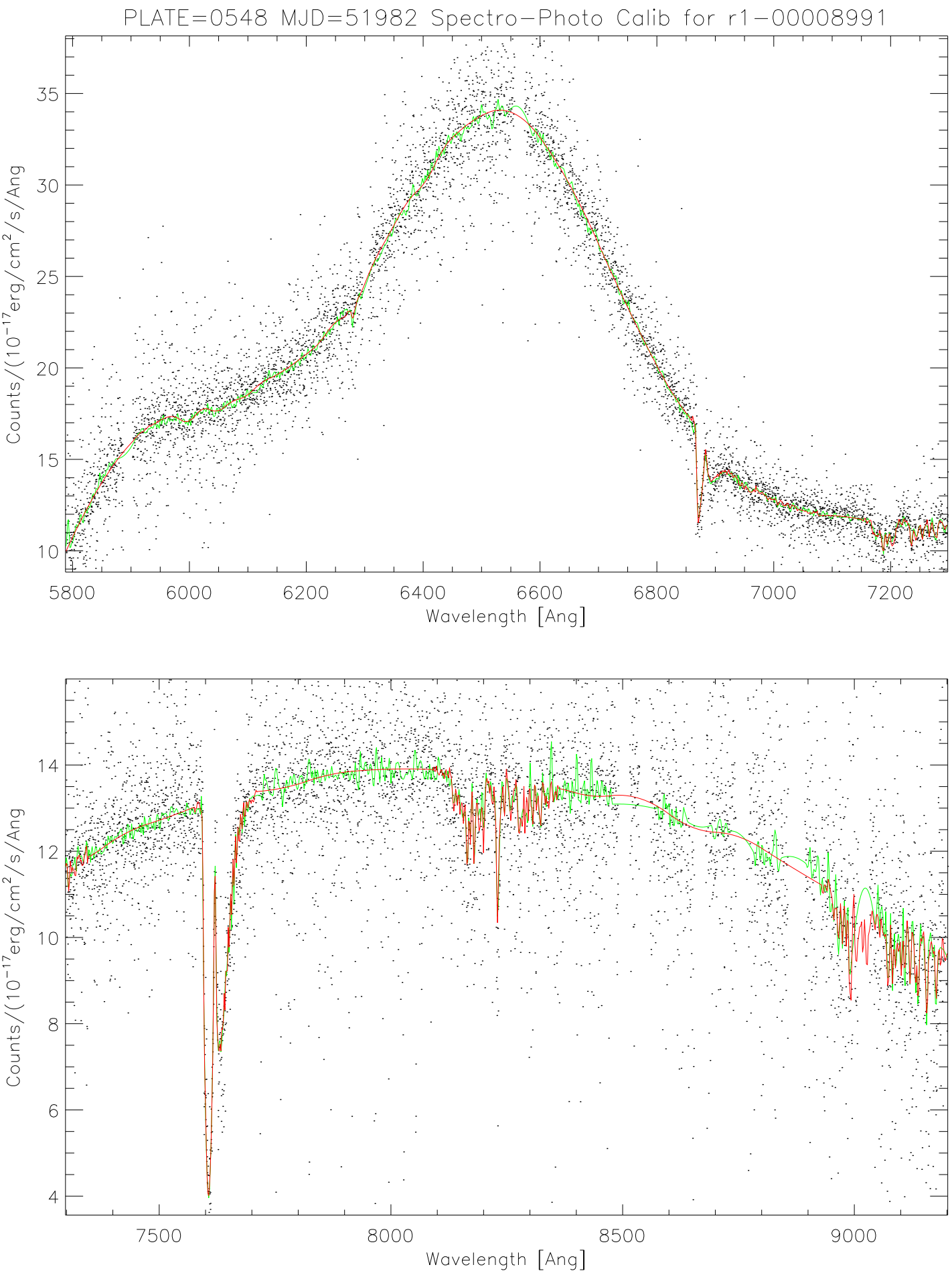
9000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Counts/(10^-17 erg/cm^2/s/Ang
Wavelength [Ang]
35
30
25
20
15
10
5800
6000
6200
6400
6600
6800
7000
7200
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12
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8
6
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8000
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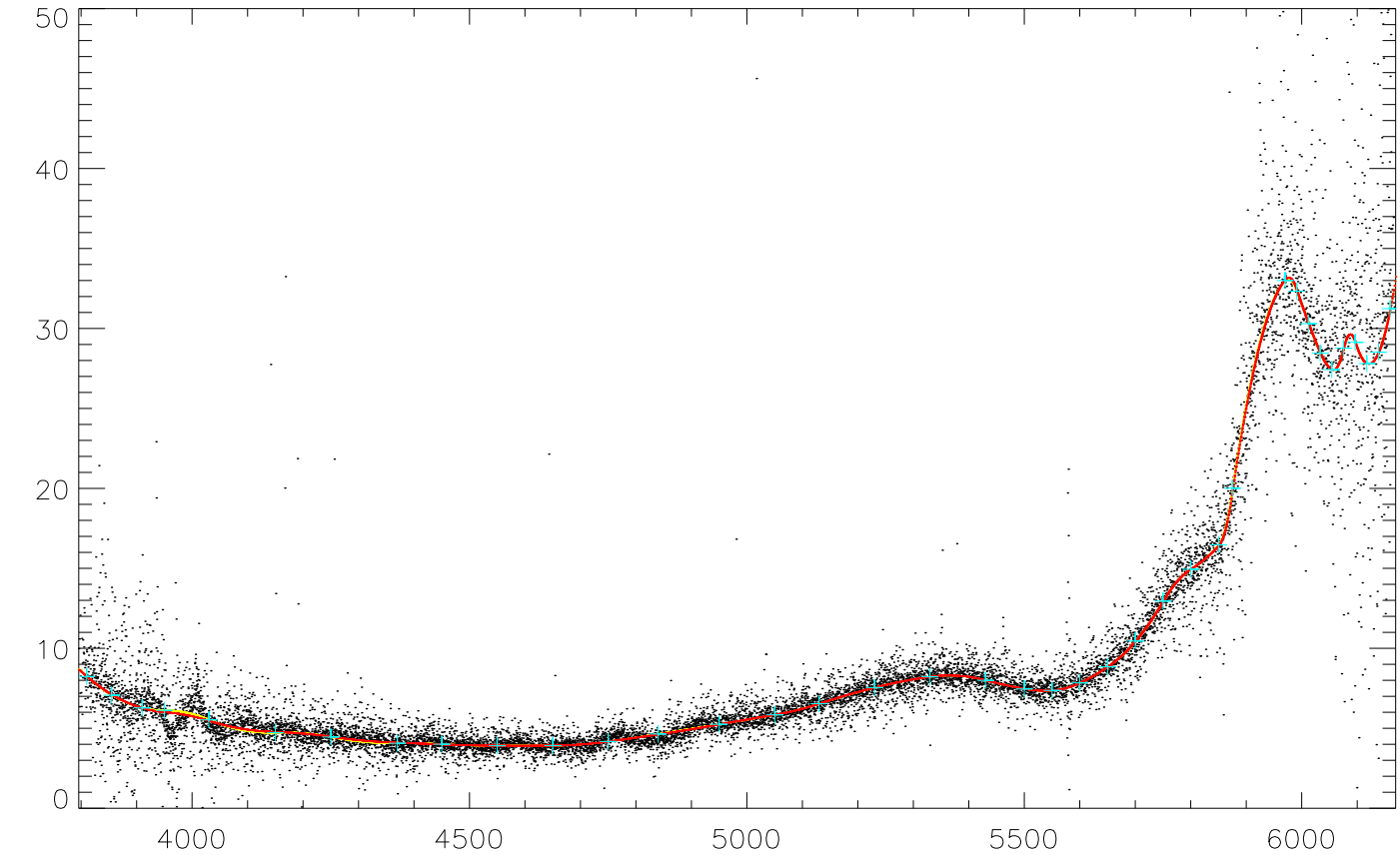
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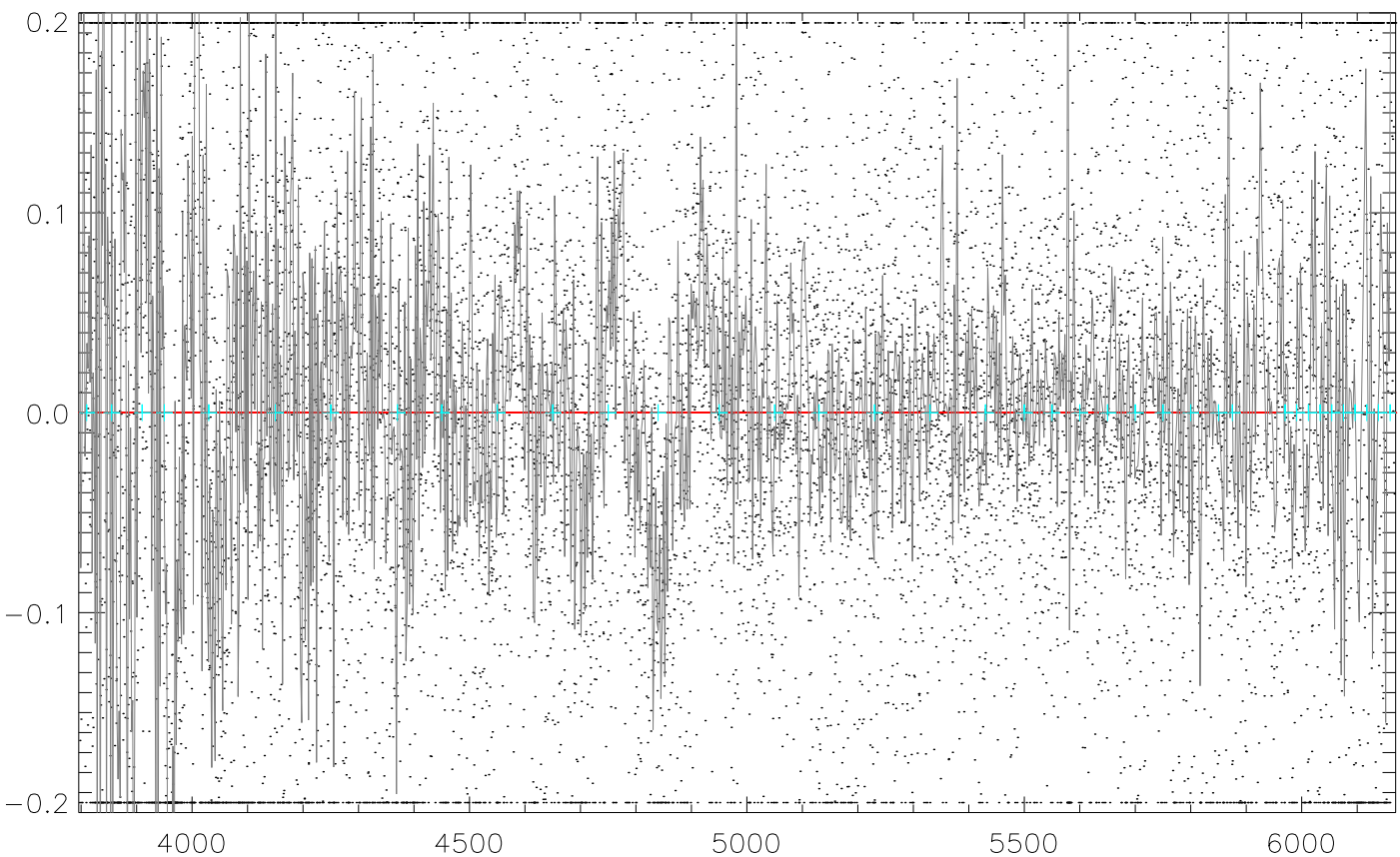
4500
5000
5500
6000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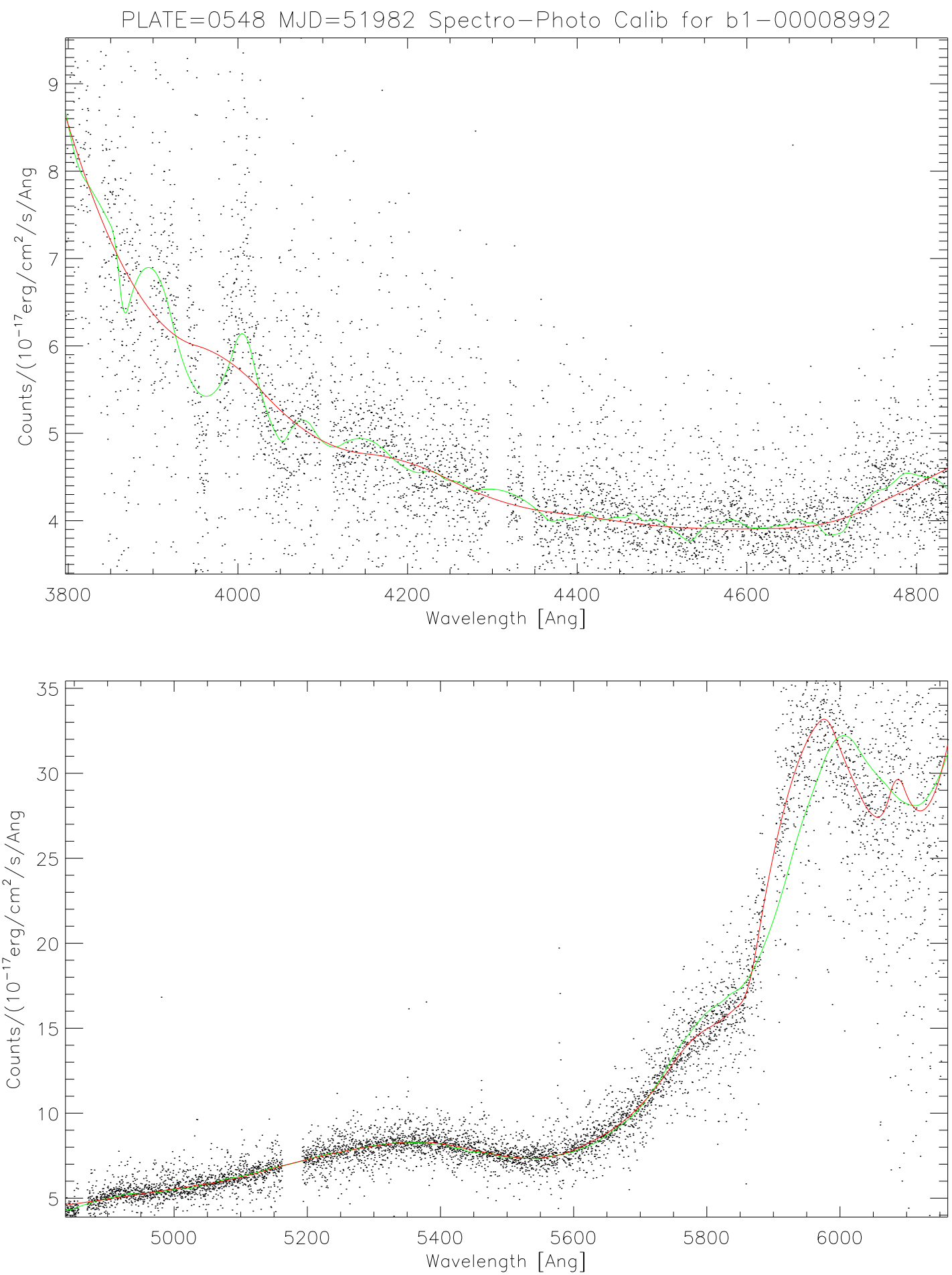
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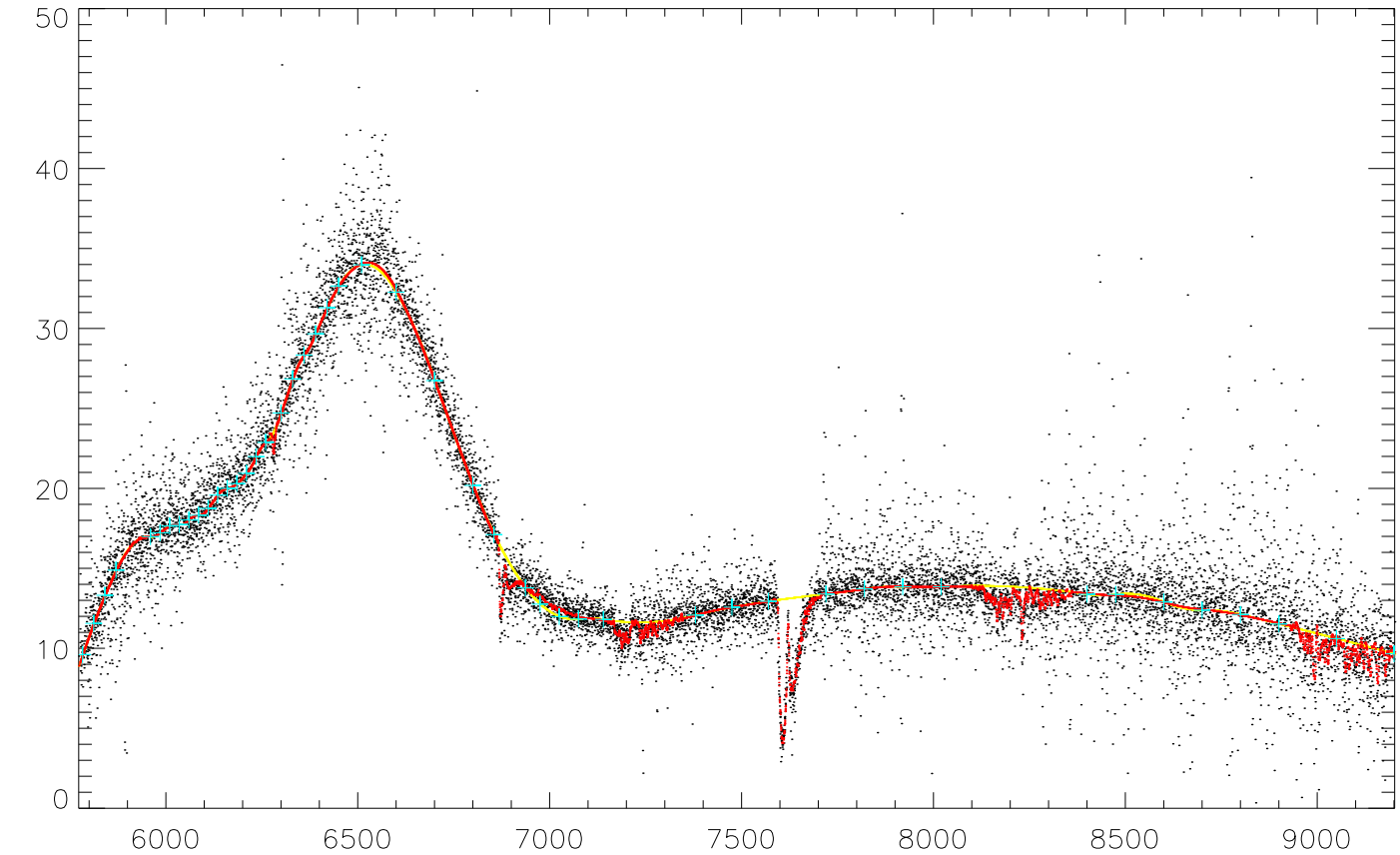
Counts/(10^-17 erg/cm^2/s/Ang
Wavelength [Ang]
3800
4000
4200
4400
4600
4800
4
5
6
7
8
9
Counts/(10^-17 erg/cm^2/s/Ang
Wavelength [Ang]
5000
5200
5400
5600
5800
6000
5
10
15
20
25
30
35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6000
6500
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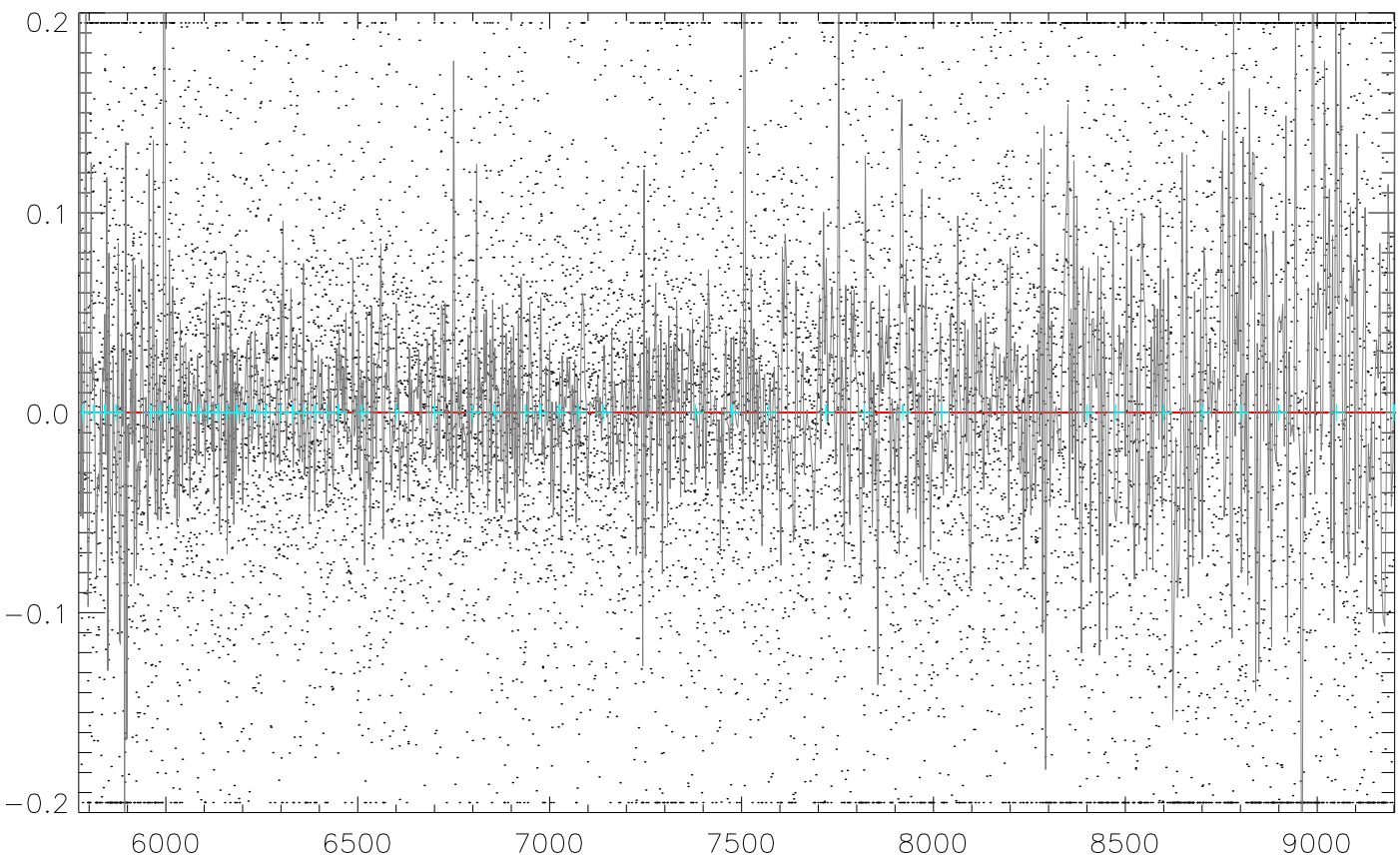
7500
8000
8500
9000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6500
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7500
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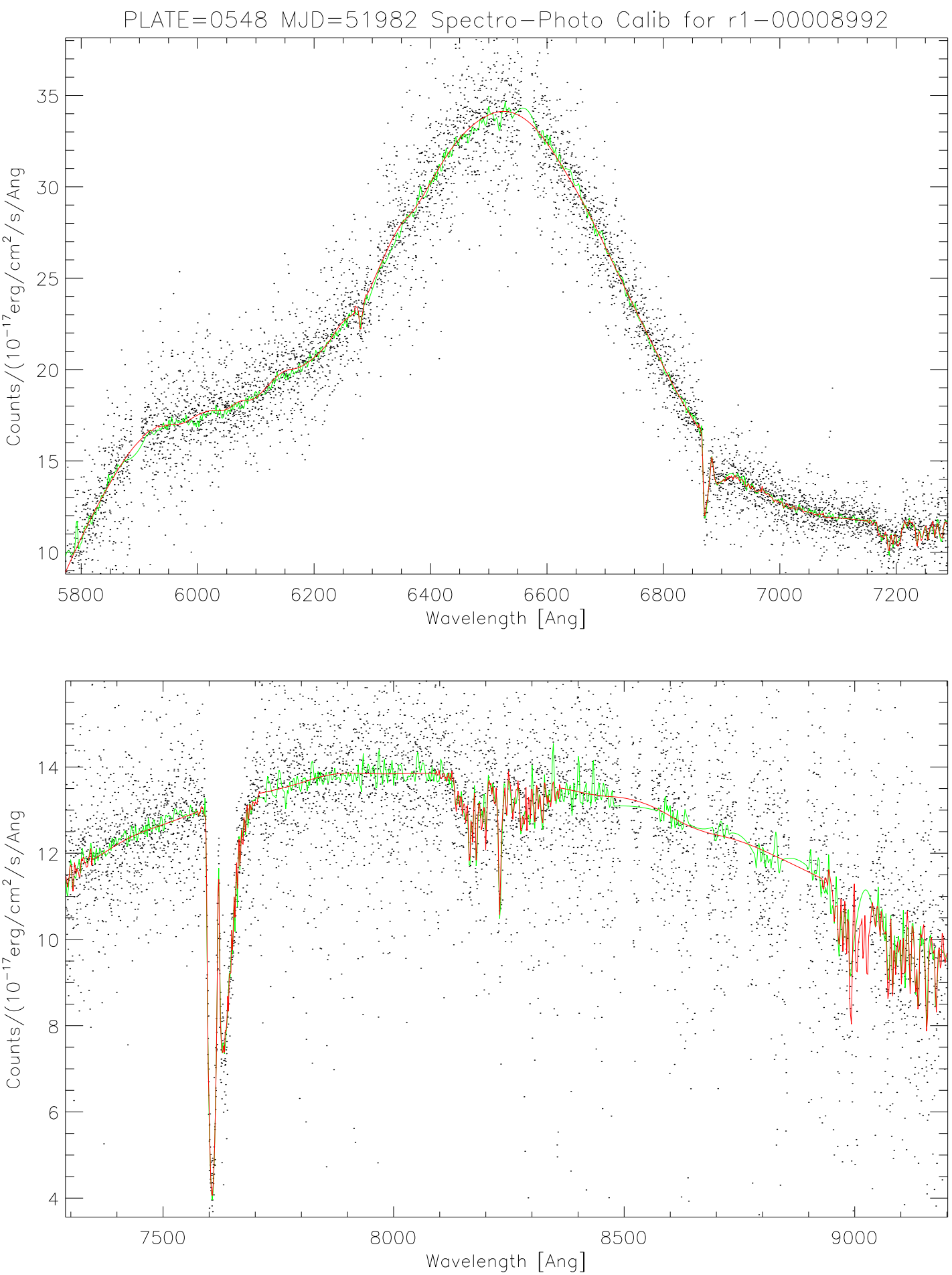
8500
9000


PLATE=0548 MJD=51982 Spectro−Photo Calib for r1−00008992
Counts/(10^-17 erg/cm^2/s/Ang
Wavelength [Ang]
35
30
25
20
15
10
5800
6000
6200
6400
6600
6800
7000
7200
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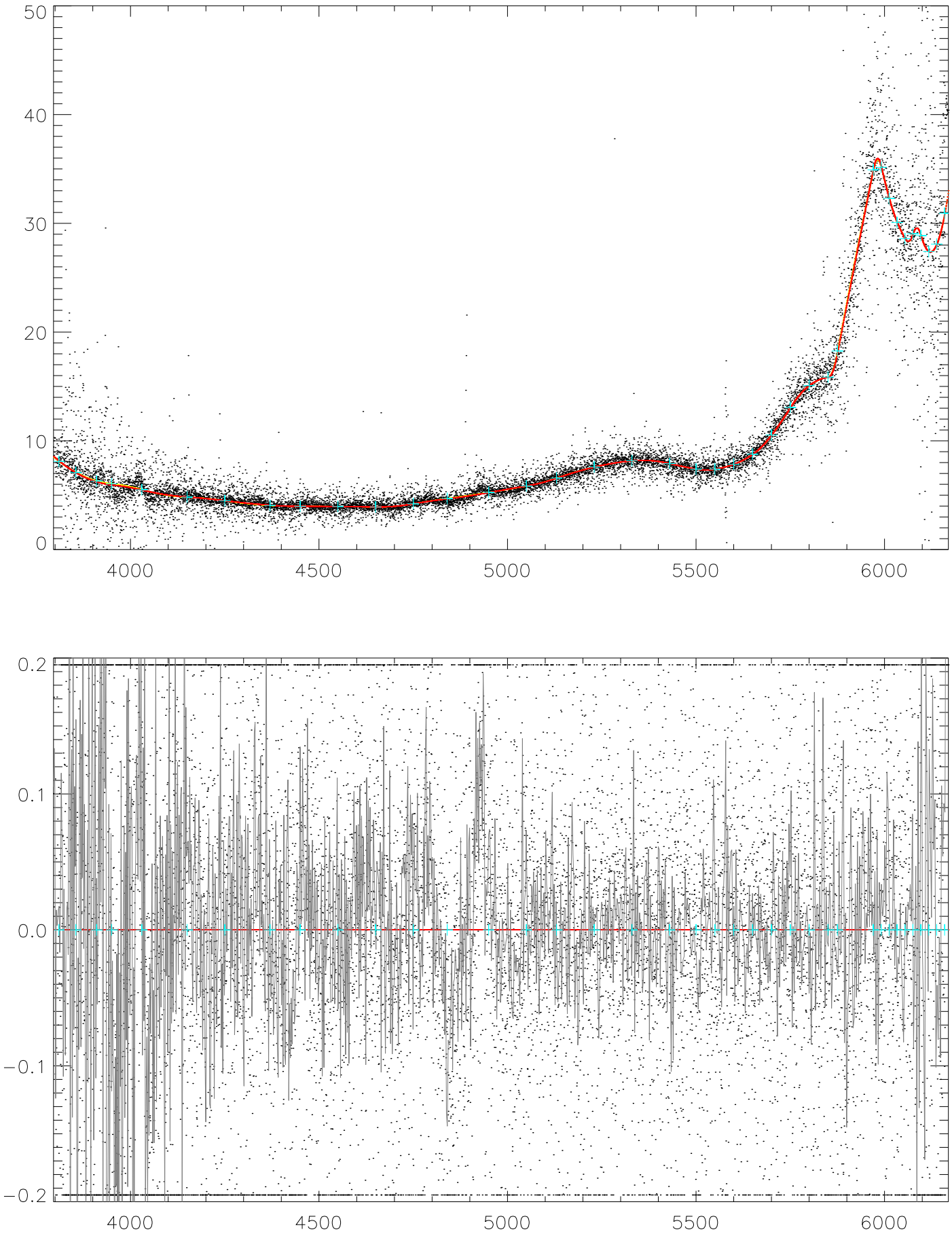
8
6
4
7500
8000
8500
9000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20
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0
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4500
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0.1
0.0
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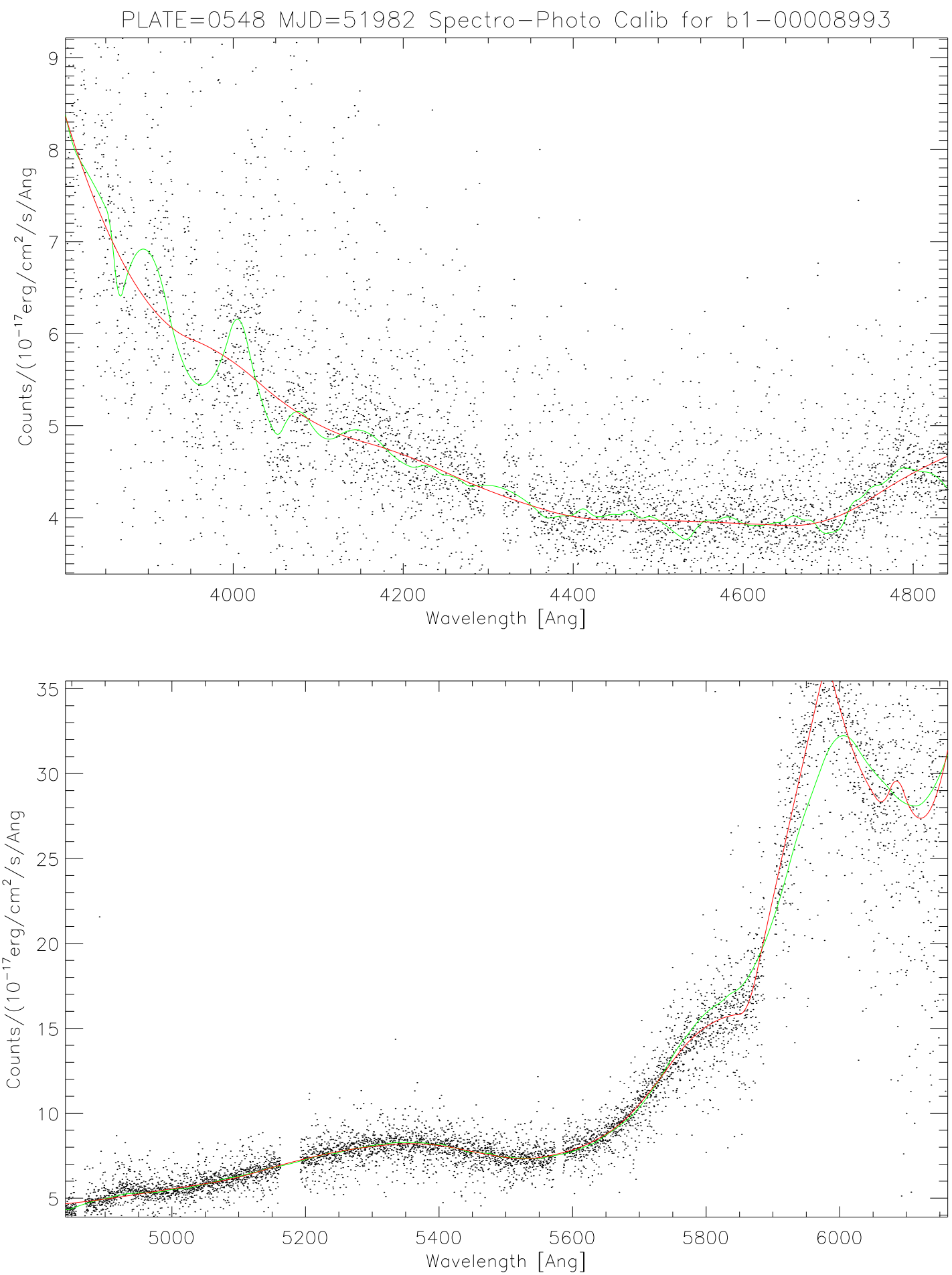
−0.2
4000
4500
5000
5500
6000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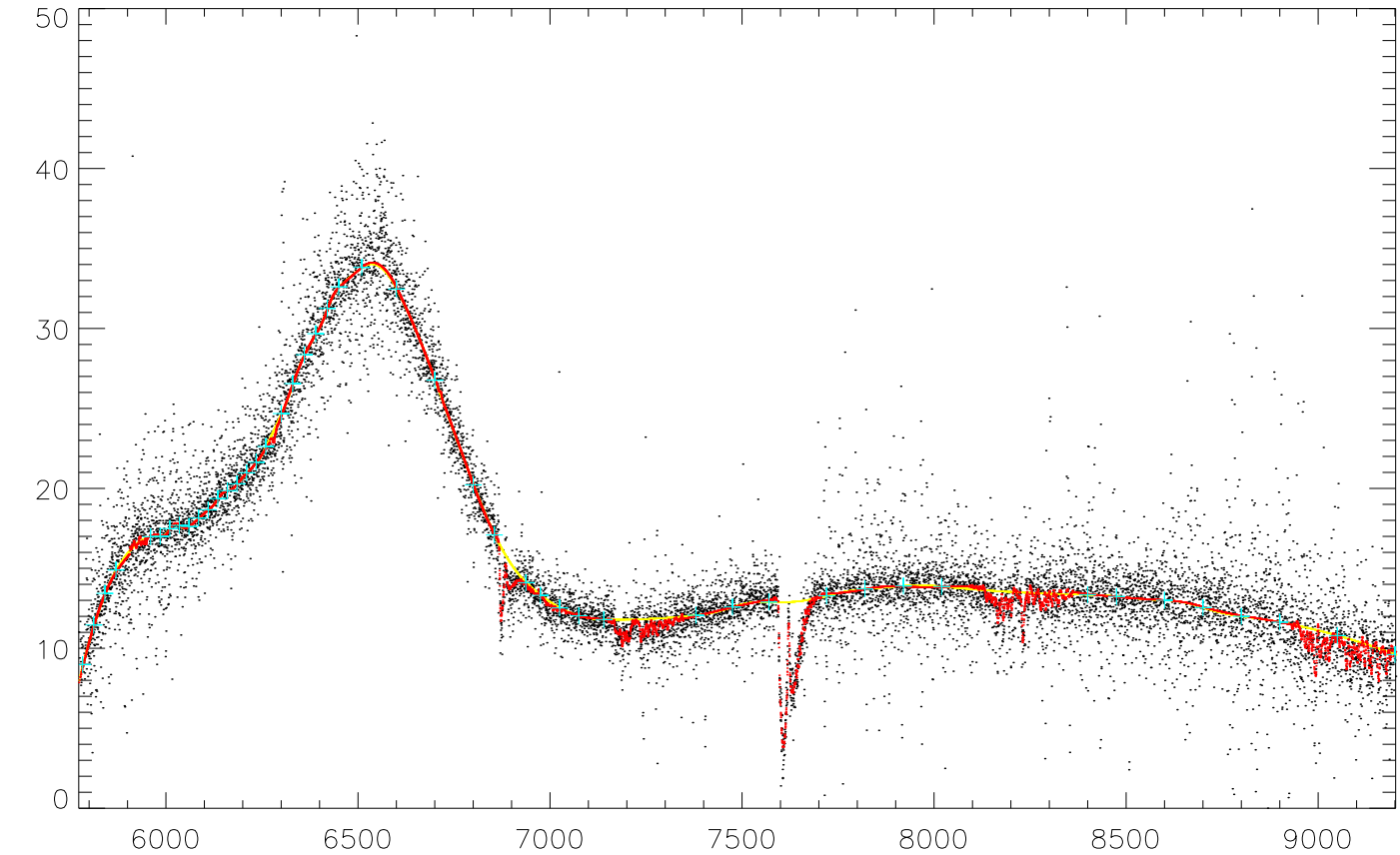
Counts/(10^−17 erg/cm^2/s/Ang
Wavelength [Ang]
4000
4200
4400
4600
4800
4
5
6
7
8
9
Counts/(10^−17 erg/cm^2/s/Ang
Wavelength [Ang]
5000
5200
5400
5600
5800
6000
5
10
15
20
25
30
35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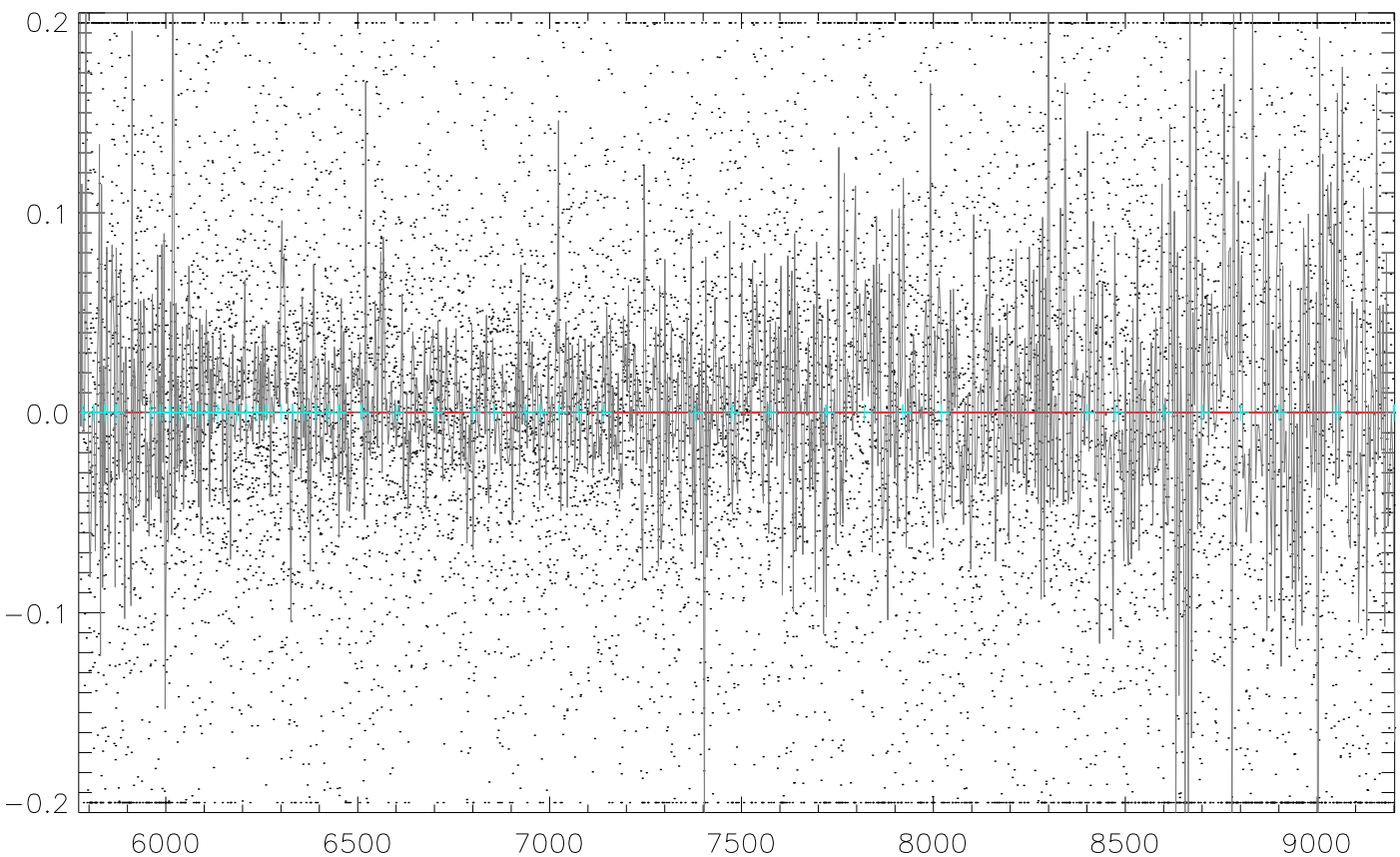
40
30
20
10
0
6000
6500
7000
7500
8000
8500
9000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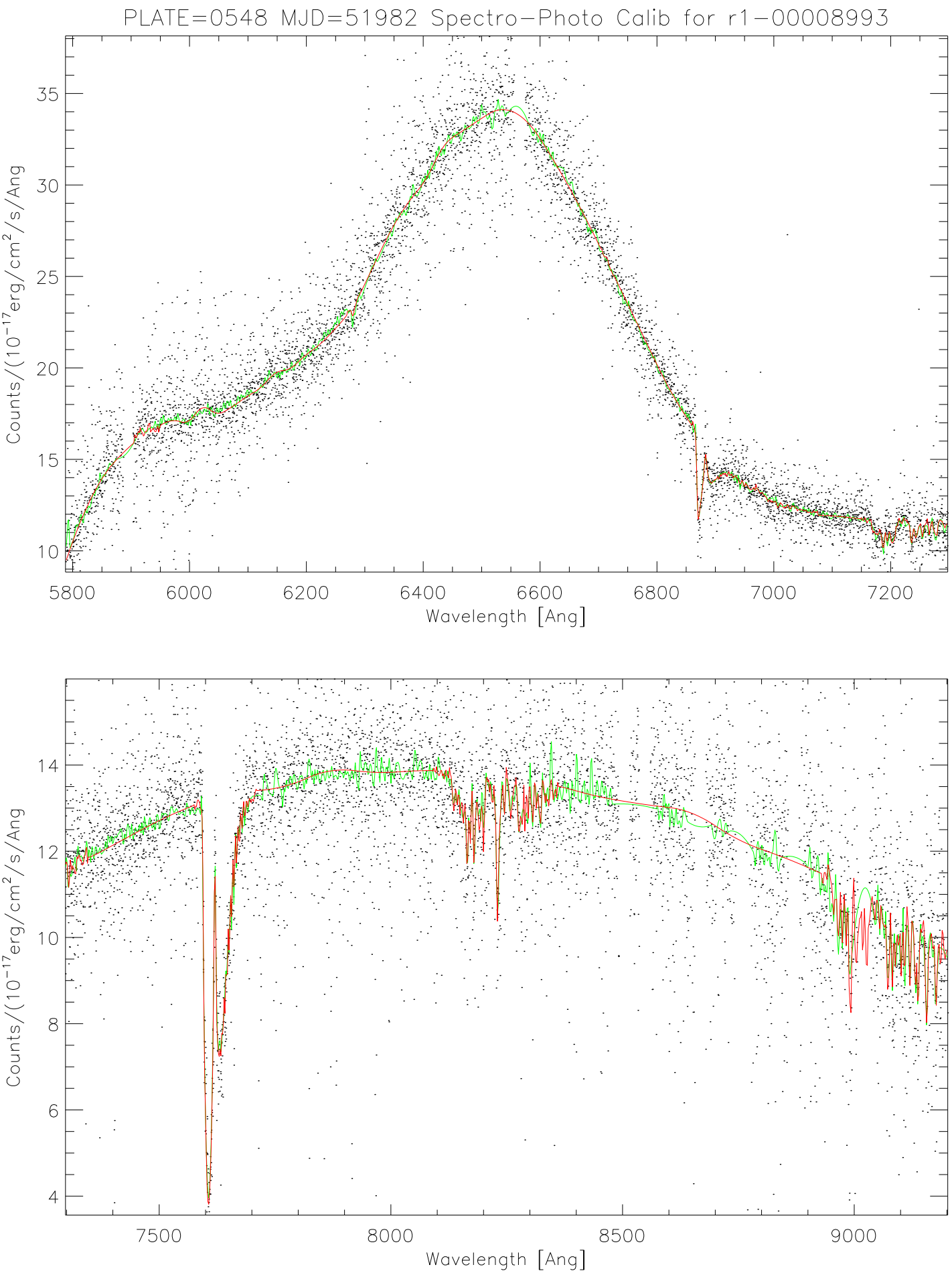
0.0
−0.1
−0.2
6000
6500
7000
7500
8000
8500
9000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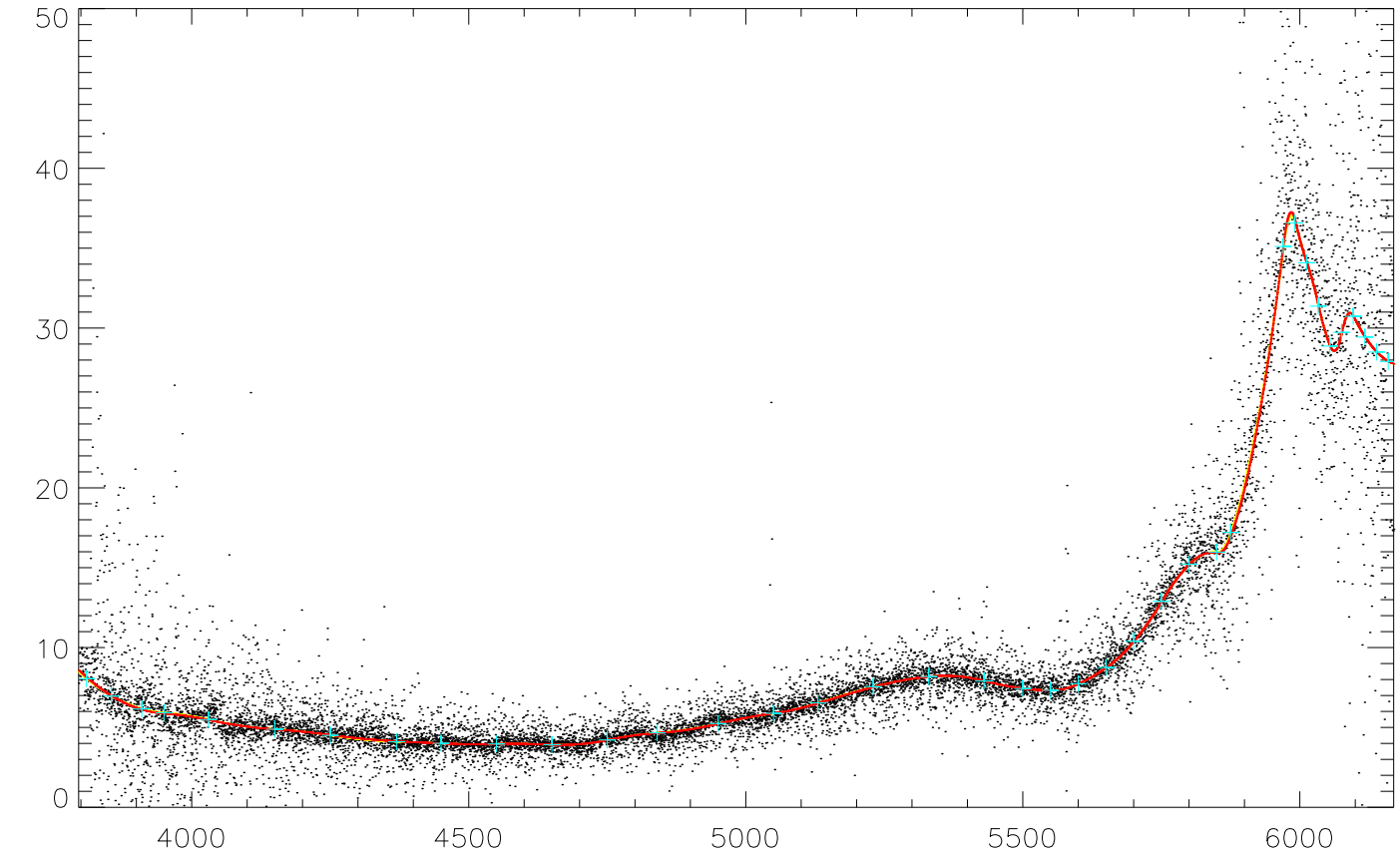
Counts/(10^-17 erg/cm^2/s/Ang
Wavelength [Ang]
10
15
20
25
30
35
5800
6000
6200
6400
6600
6800
7000
7200
4
6
8
10
12
14
7500
8000
8500
9000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10
0
4000
4500
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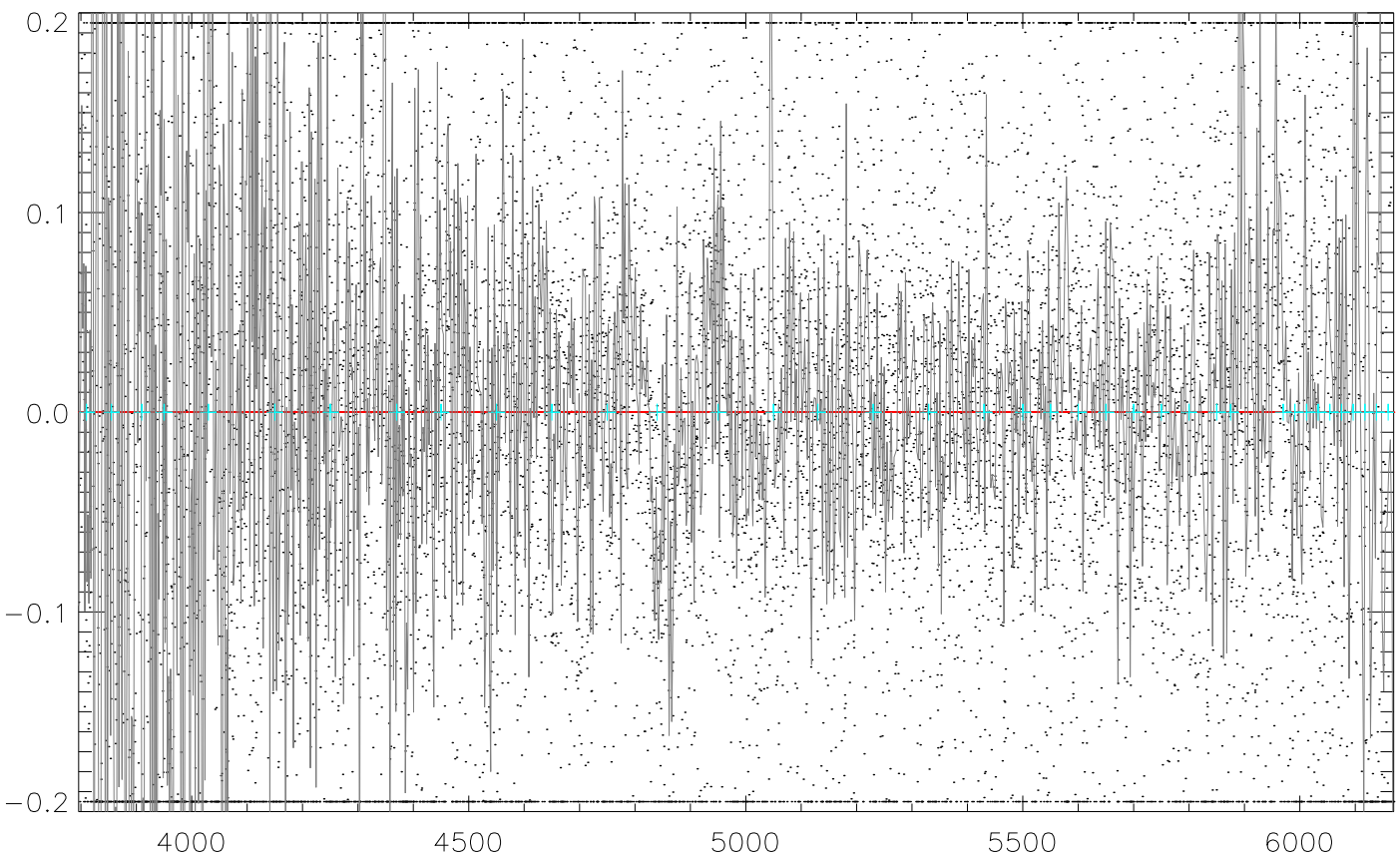
5500
6000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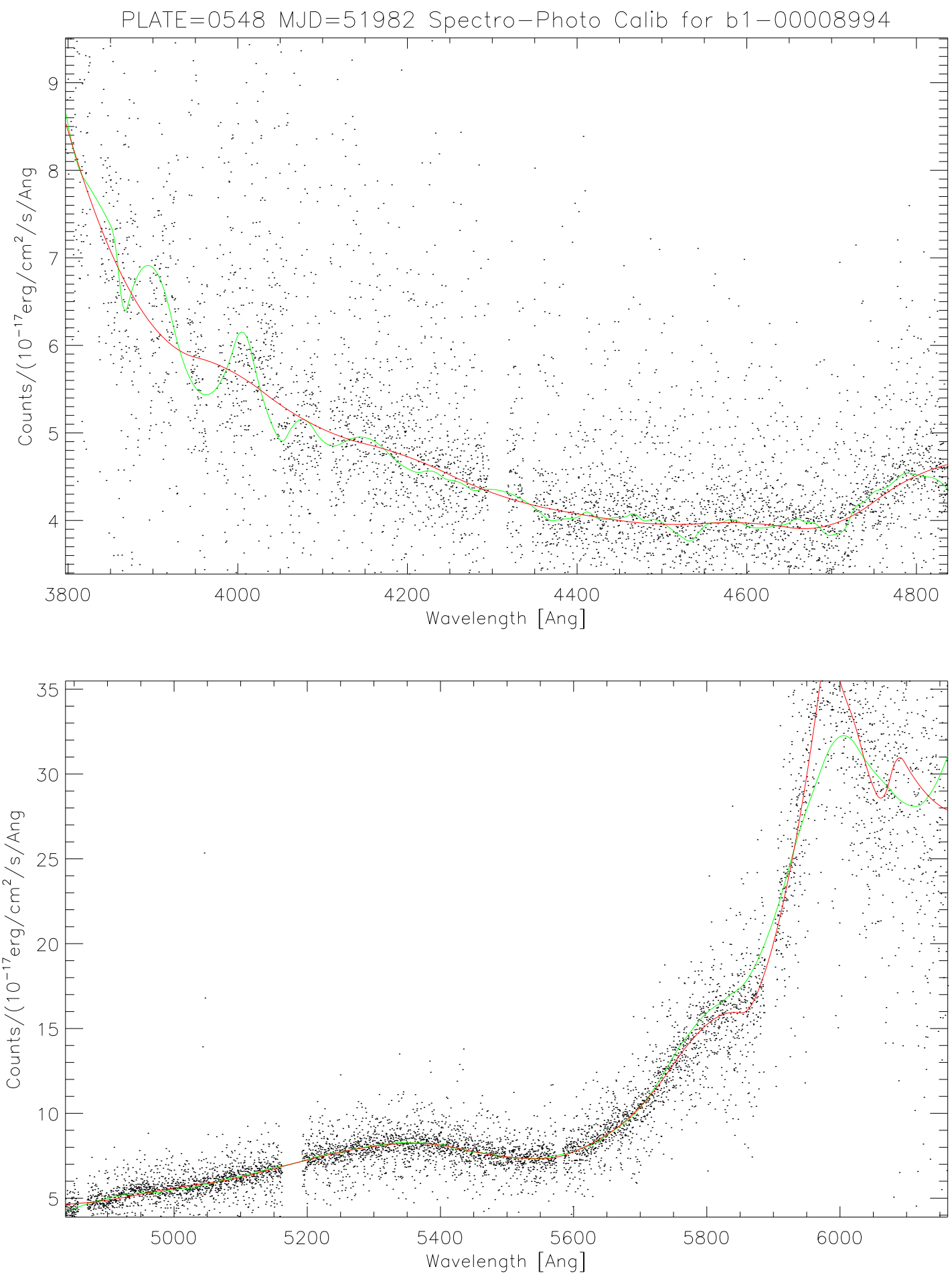
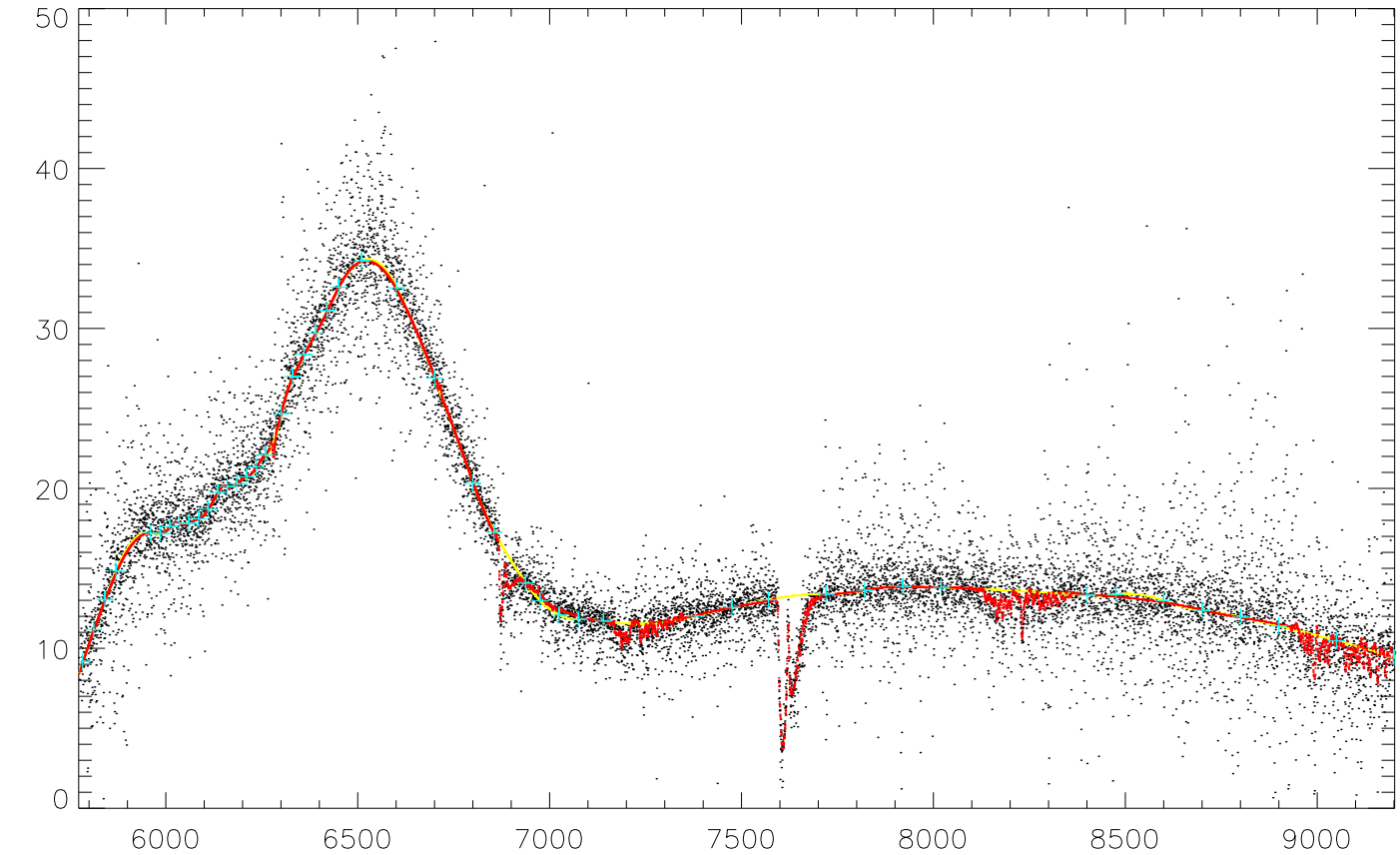
0.0
−0.1
−0.2
4000
4500
5000
5500
6000


PLATE=0548 MJD=51982 Spectro−Photo Calib for b1−00008994
Counts/(10^-17 erg/cm^2/s/Ang
Wavelength [Ang]
3800
4000
4200
4400
4600
4800
4
5
6
7
8
9
Counts/(10^-17 erg/cm^2/s/Ang
Wavelength [Ang]
5000
5200
5400
5600
5800
6000
5
10
15
20
25
30
35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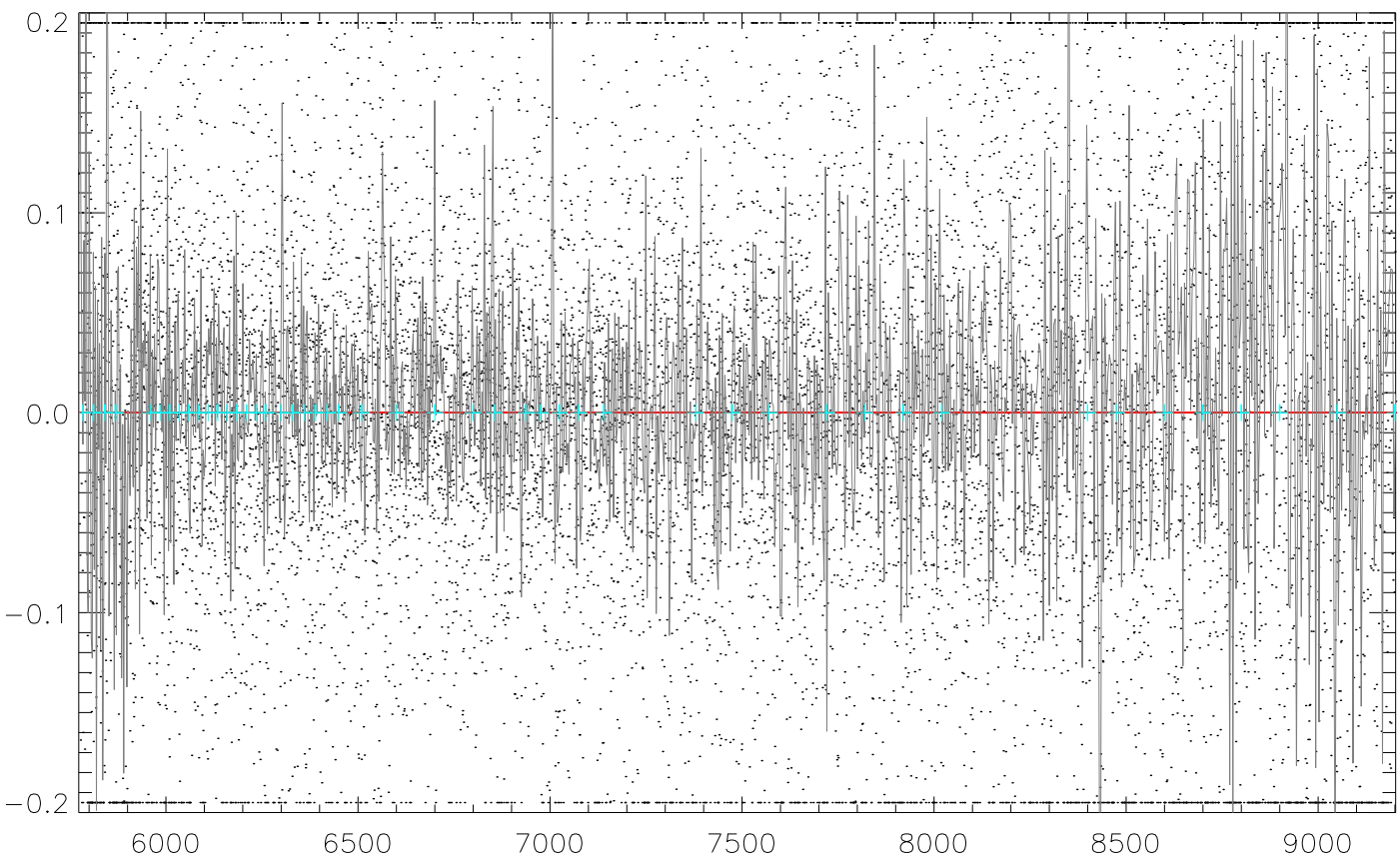
20
10
0
6000
6500
7000
7500
8000
8500
9000


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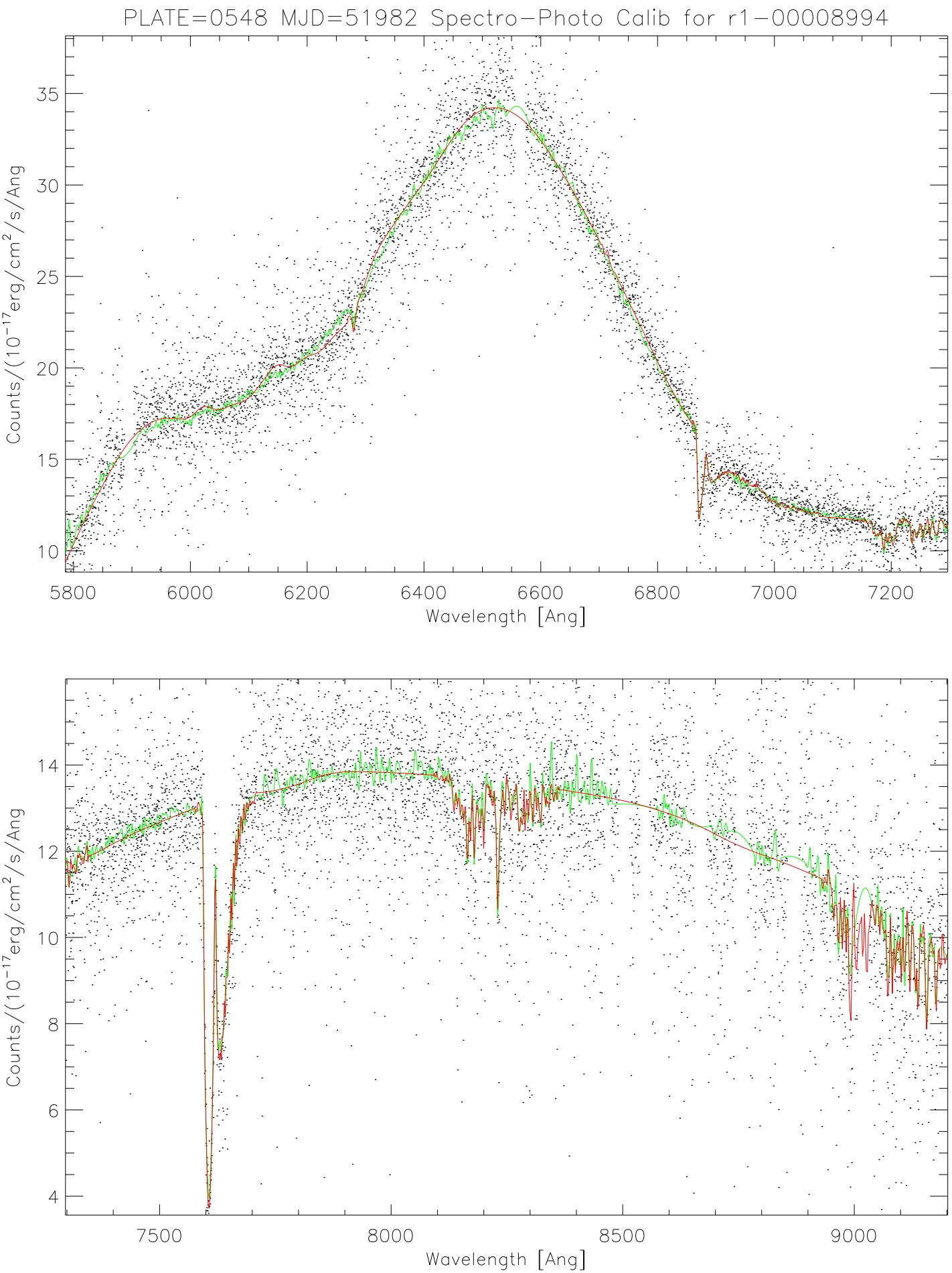
8500
9000


PLATE=0548 MJD=51982 Spectro−Photo Calib for r1−00008994
Counts/(10^-17 erg/cm^2/s/Ang
Wavelength [Ang]
35
30
25
20
15
10
5800
6000
6200
6400
6600
6800
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7200
14
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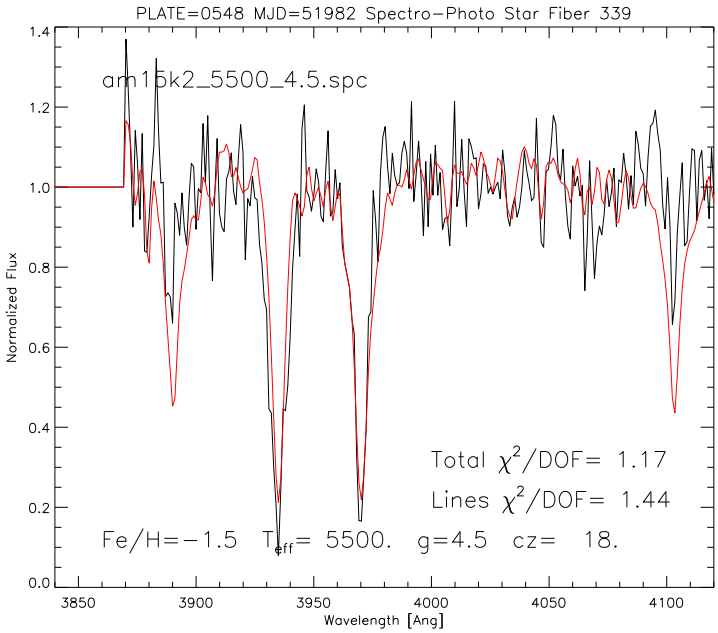
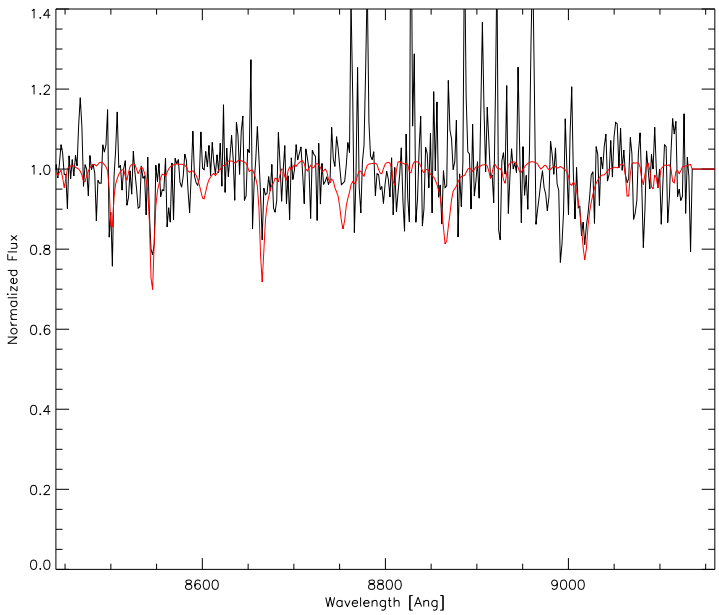
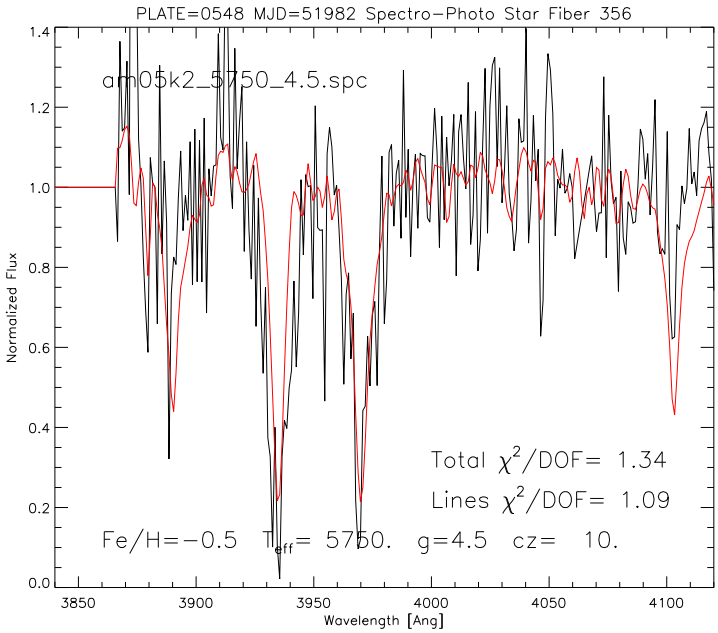
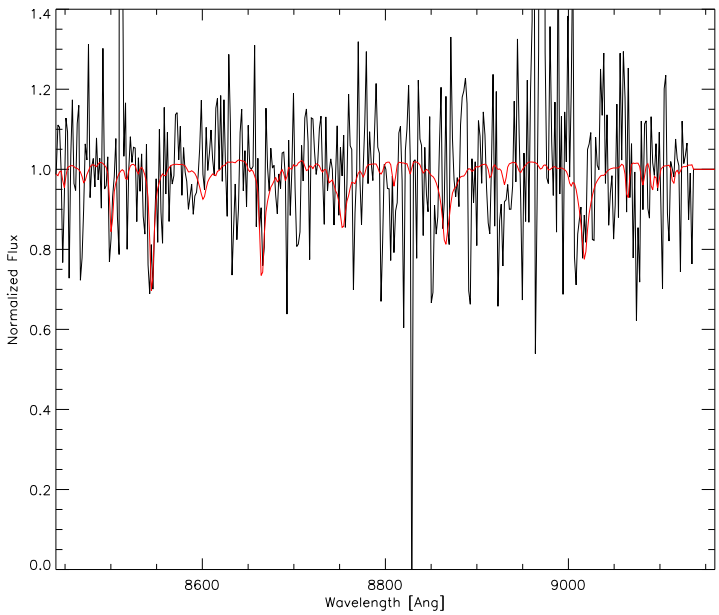
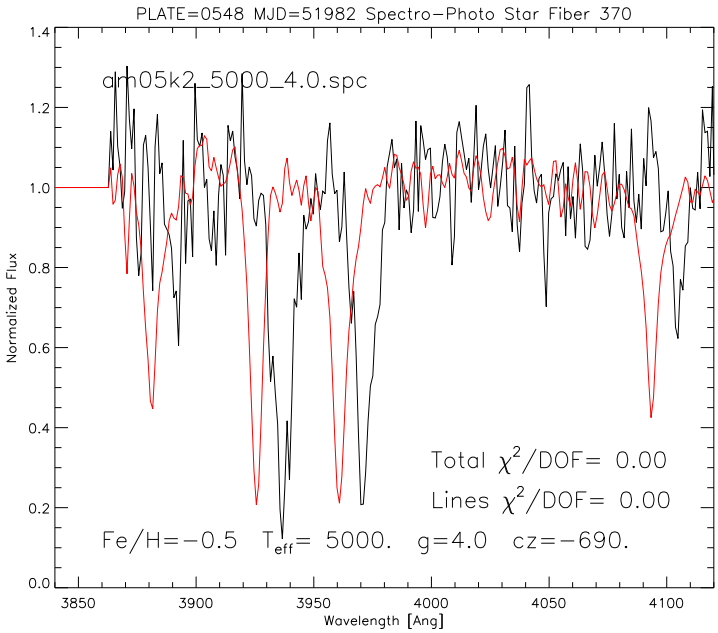
7500
8000
8500
9000

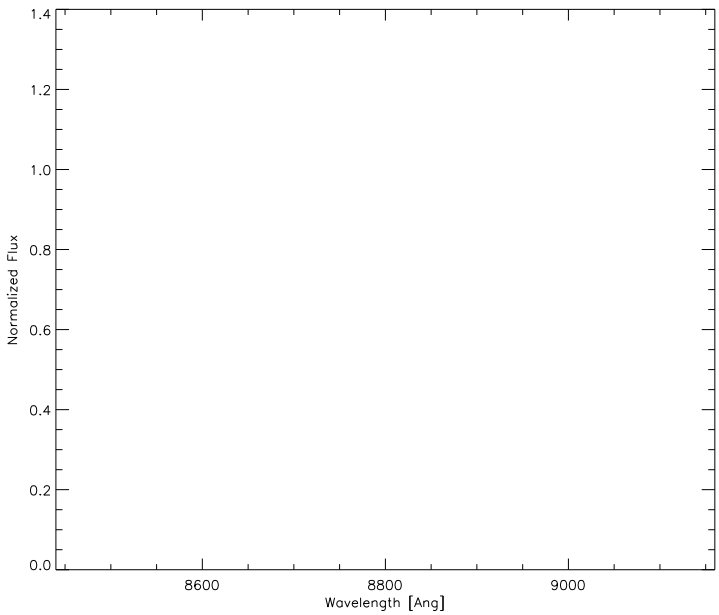

PLATE=0548 MJD=51982 Spectro-Photo Star Fiber 339
am15k2_5500_4.5.spc
Total χ^2/DOF= 1.17
Lines χ^2/DOF= 1.44
Fe/H=-1.5 T_{eff}= 5500. g=4.5 cz= 18.
Normalized Flux
Wavelength [Ang]

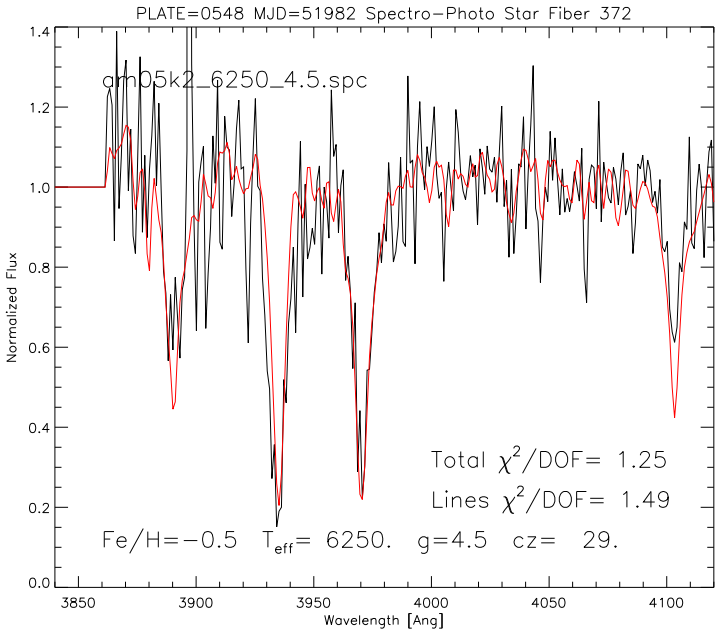

Normalized Flux
Wavelength [Ang]

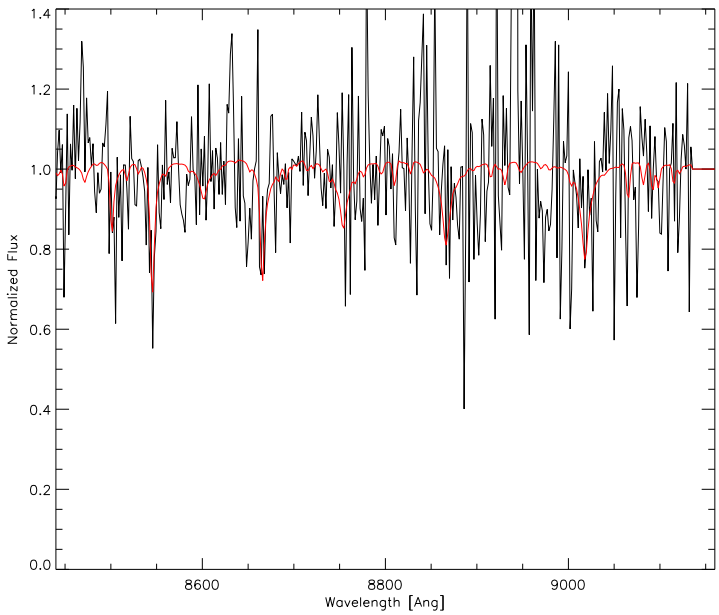

PLATE=0548 MJD=51982 Spectro-Photo Star Fiber 356
am05k2_5750_4.5.spc
Total χ^2/DOF= 1.34
Lines χ^2/DOF= 1.09
Fe/H=-0.5 T_{eff}= 5750. g=4.5 cz= 10.
Normalized Flux
Wavelength [Ang]

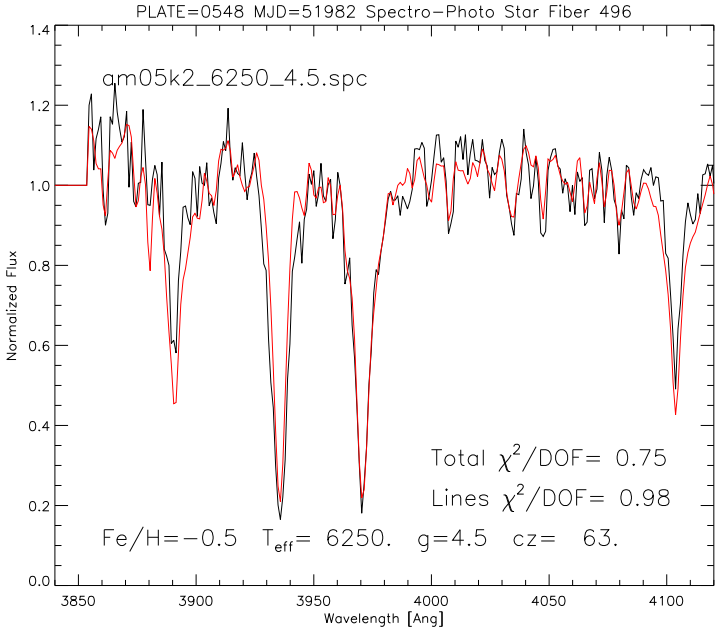

Normalized Flux
Wavelength [Ang]

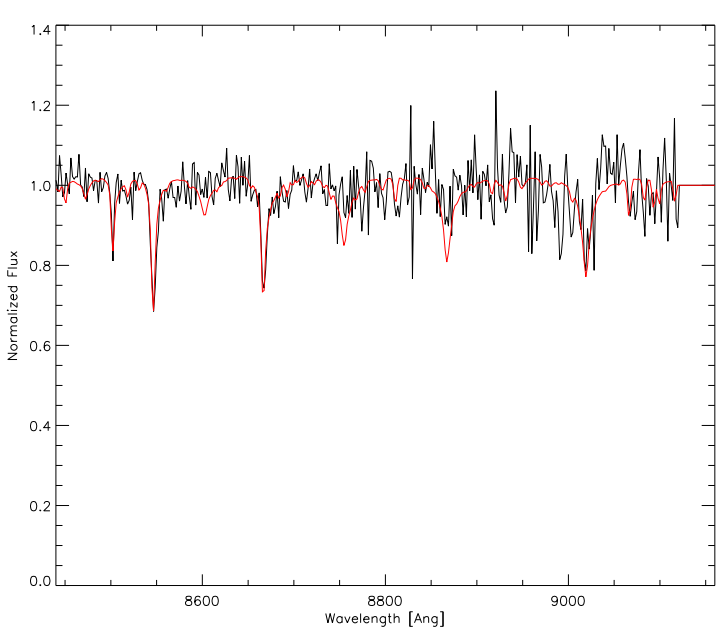

PLATE=0548 MJD=51982 Spectro-Photo Star Fiber 370
am05k2_5000_4.0.spc
Total χ^2/DOF= 0.00
Lines χ^2/DOF= 0.00
Fe/H=-0.5 T_{eff}= 5000. g=4.0 cz=-690.
Normalized Flux
Wavelength [Ang]

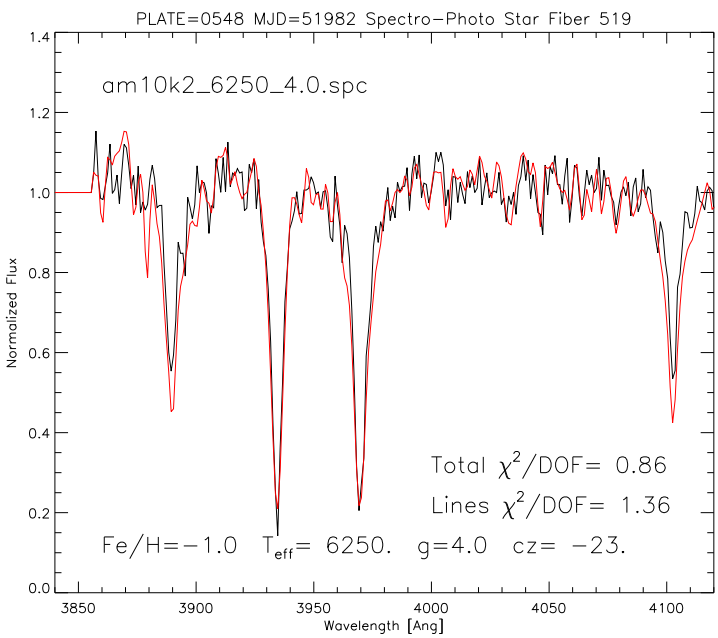

Normalized Flux
Wavelength [Ang]

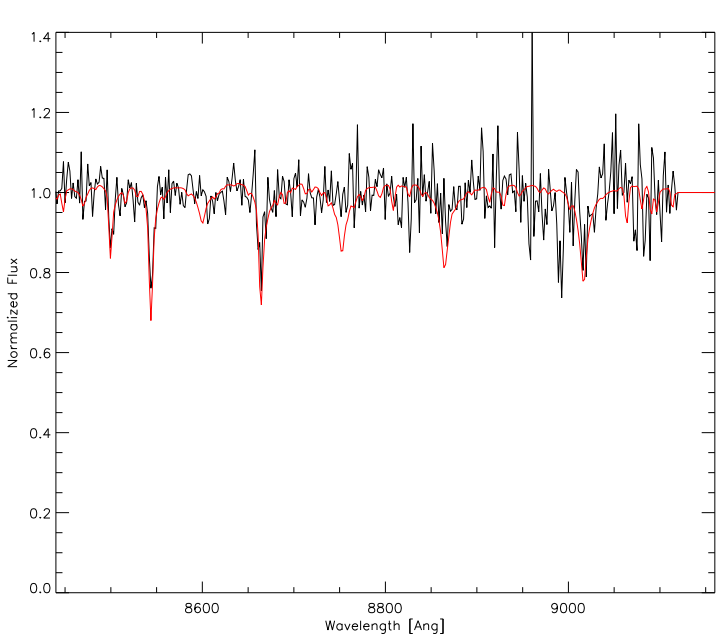

PLATE=0548 MJD=51982 Spectro-Photo Star Fiber 372
am05k2_6250_4.5.spc
Total χ^2/DOF= 1.25
Lines χ^2/DOF= 1.49
Fe/H=−0.5 T_{eff}= 6250. g=4.5 cz= 29.
Normalized Flux
Wavelength [Ang]

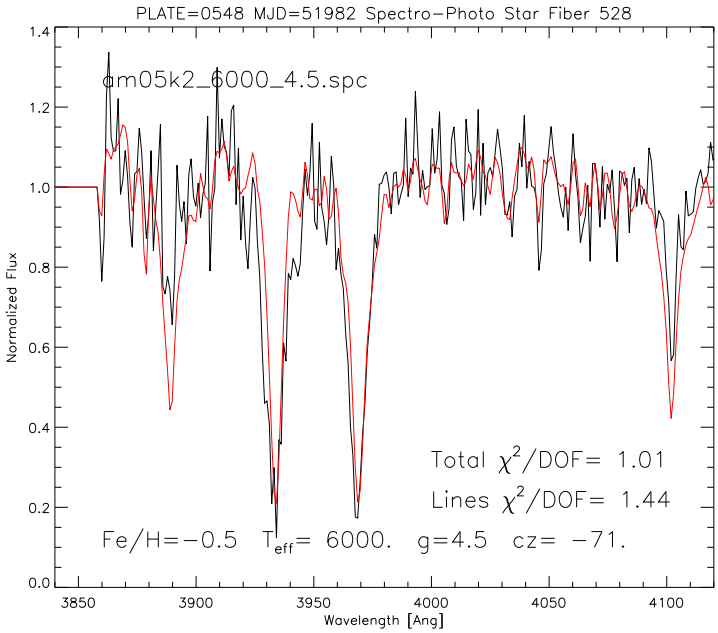

Normalized Flux
Wavelength [Ang]

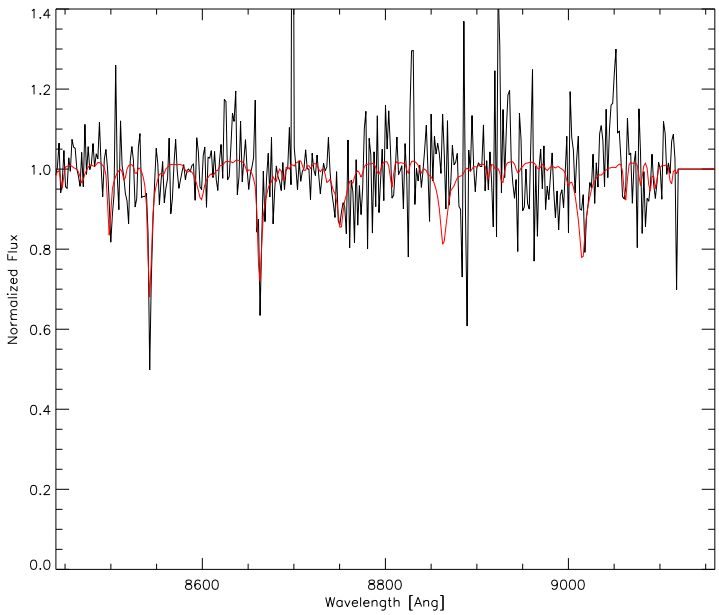

PLATE=0548 MJD=51982 Spectro-Photo Star Fiber 496
am05k2_6250_4.5.spc
Total χ^2/DOF= 0.75
Lines χ^2/DOF= 0.98
Fe/H=−0.5 T_{eff}= 6250. g=4.5 cz= 63.
Normalized Flux
Wavelength [Ang]

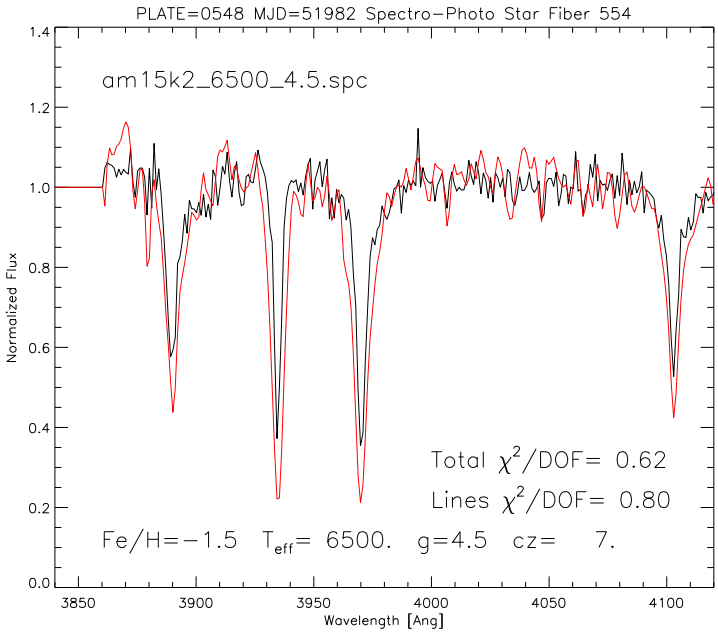

Normalized Flux
Wavelength [Ang]

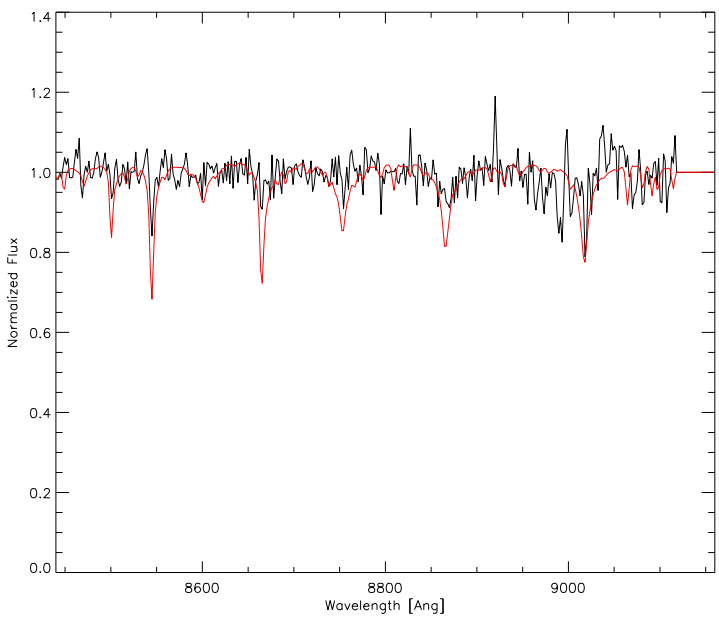

PLATE=0548 MJD=51982 Spectro-Photo Star Fiber 519
am10k2_6250_4.0.spc
Total χ^2/DOF= 0.86
Lines χ^2/DOF= 1.36
Fe/H=−1.0 T_{eff}= 6250. g=4.0 cz= −23.
Normalized Flux
Wavelength [Ang]

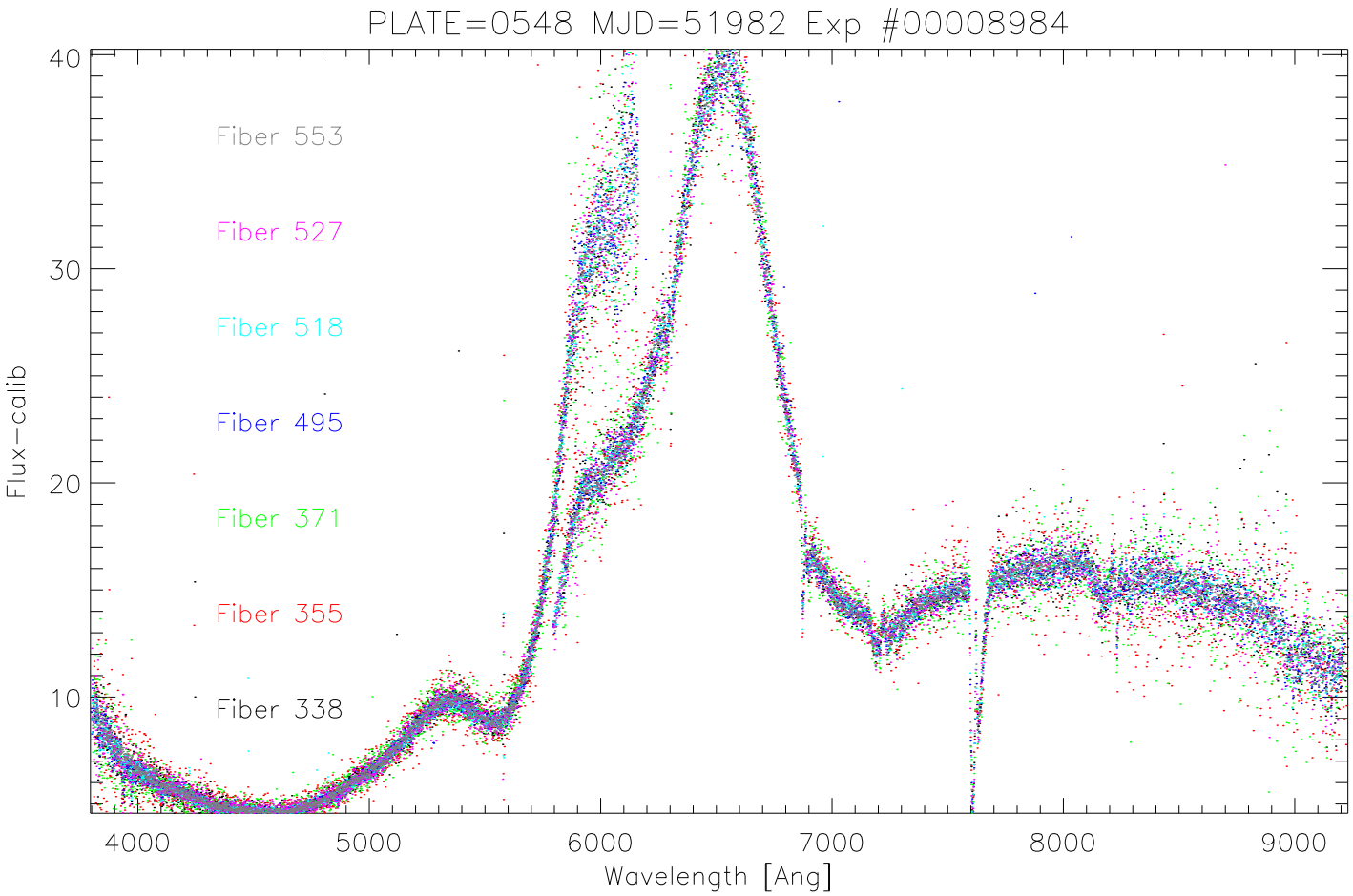

Normalized Flux
Wavelength [Ang]

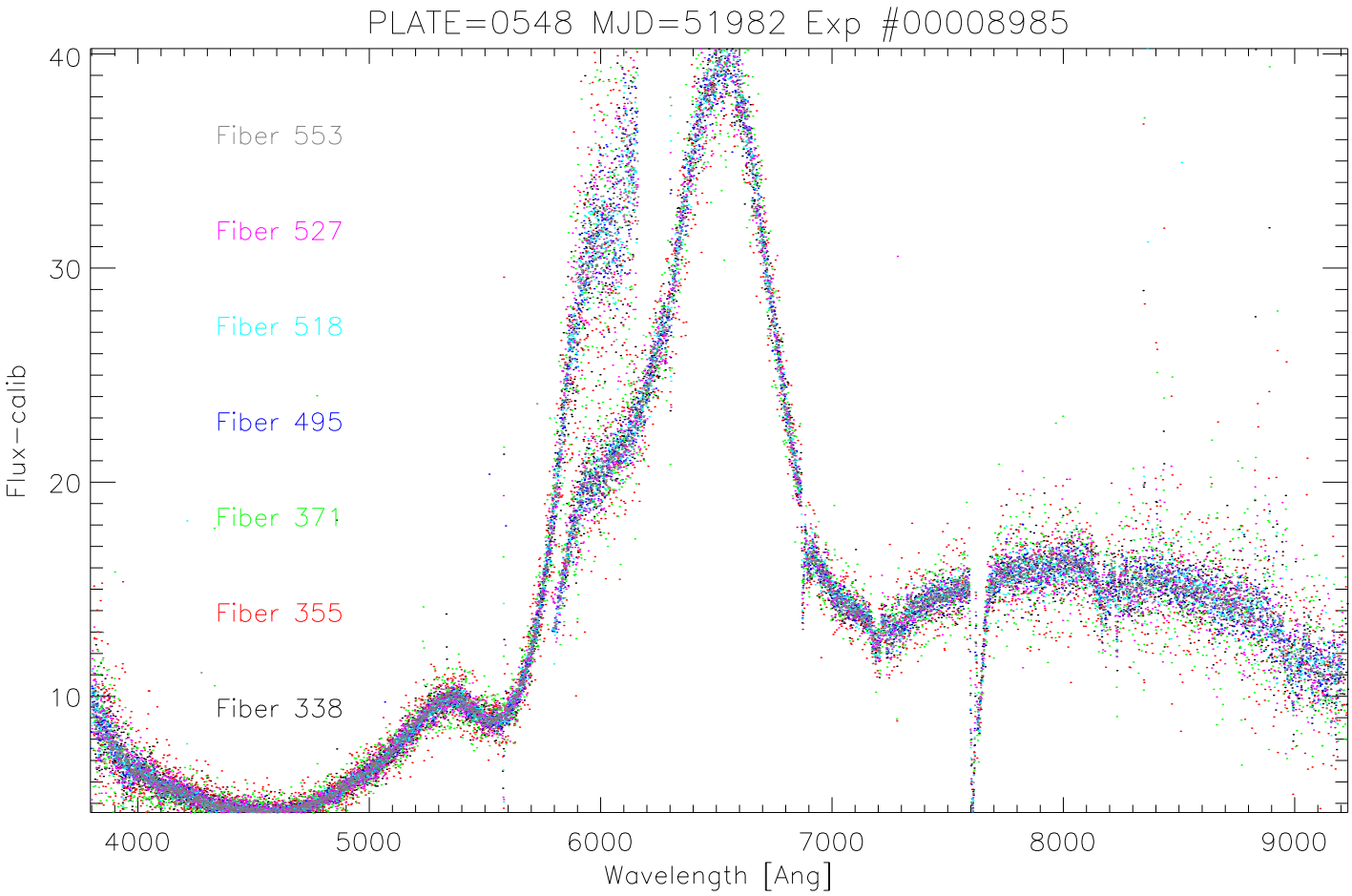

PLATE=0548 MJD=51982 Spectro-Photo Star Fiber 528
am05k2_6000_4.5.spc
Total χ^2/DOF= 1.01
Lines χ^2/DOF= 1.44
Fe/H=-0.5 T_{eff}= 6000. g=4.5 cz= -71.
Normalized Flux
Wavelength [Ang]

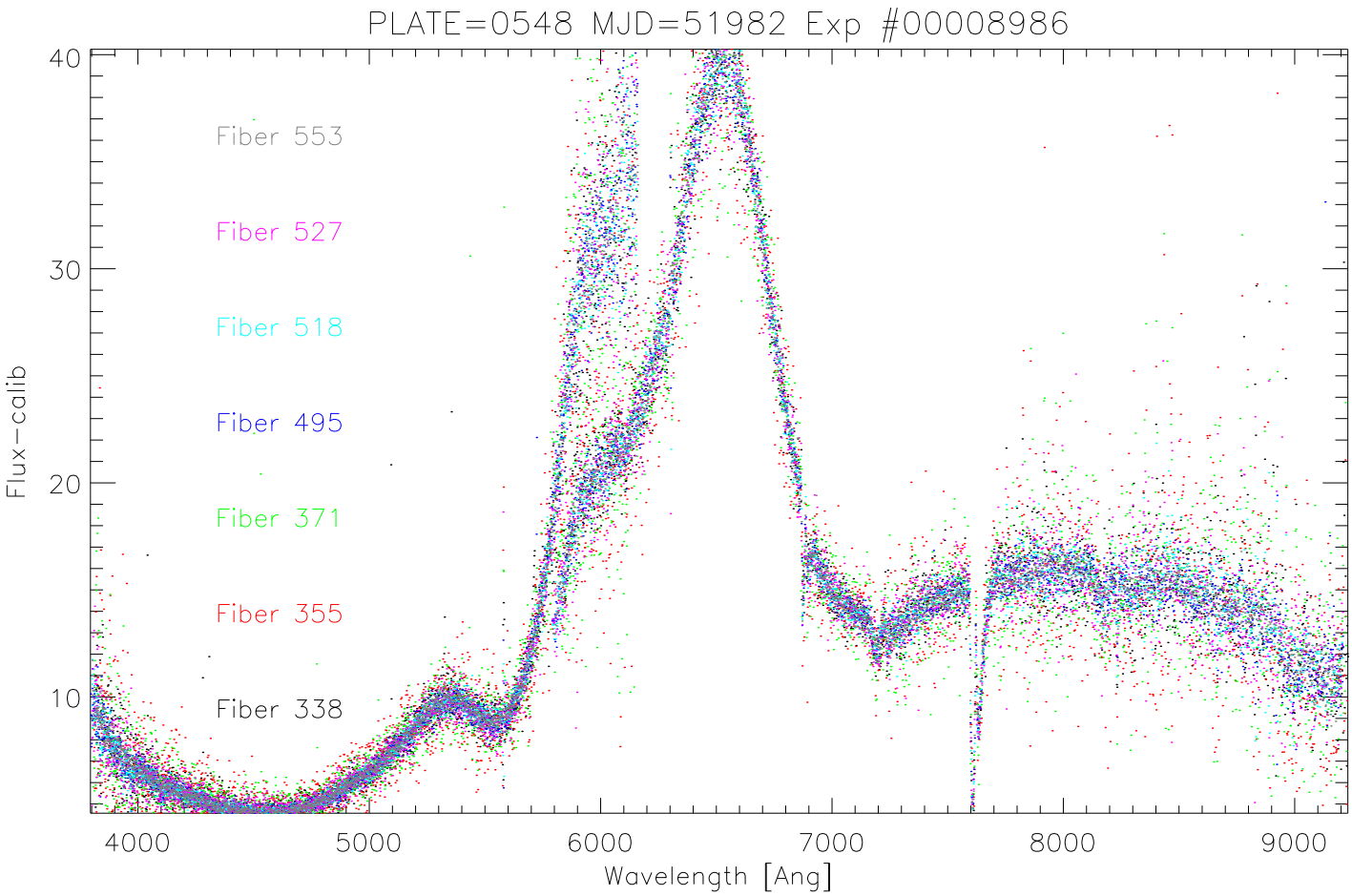

Normalized Flux
Wavelength [Ang]

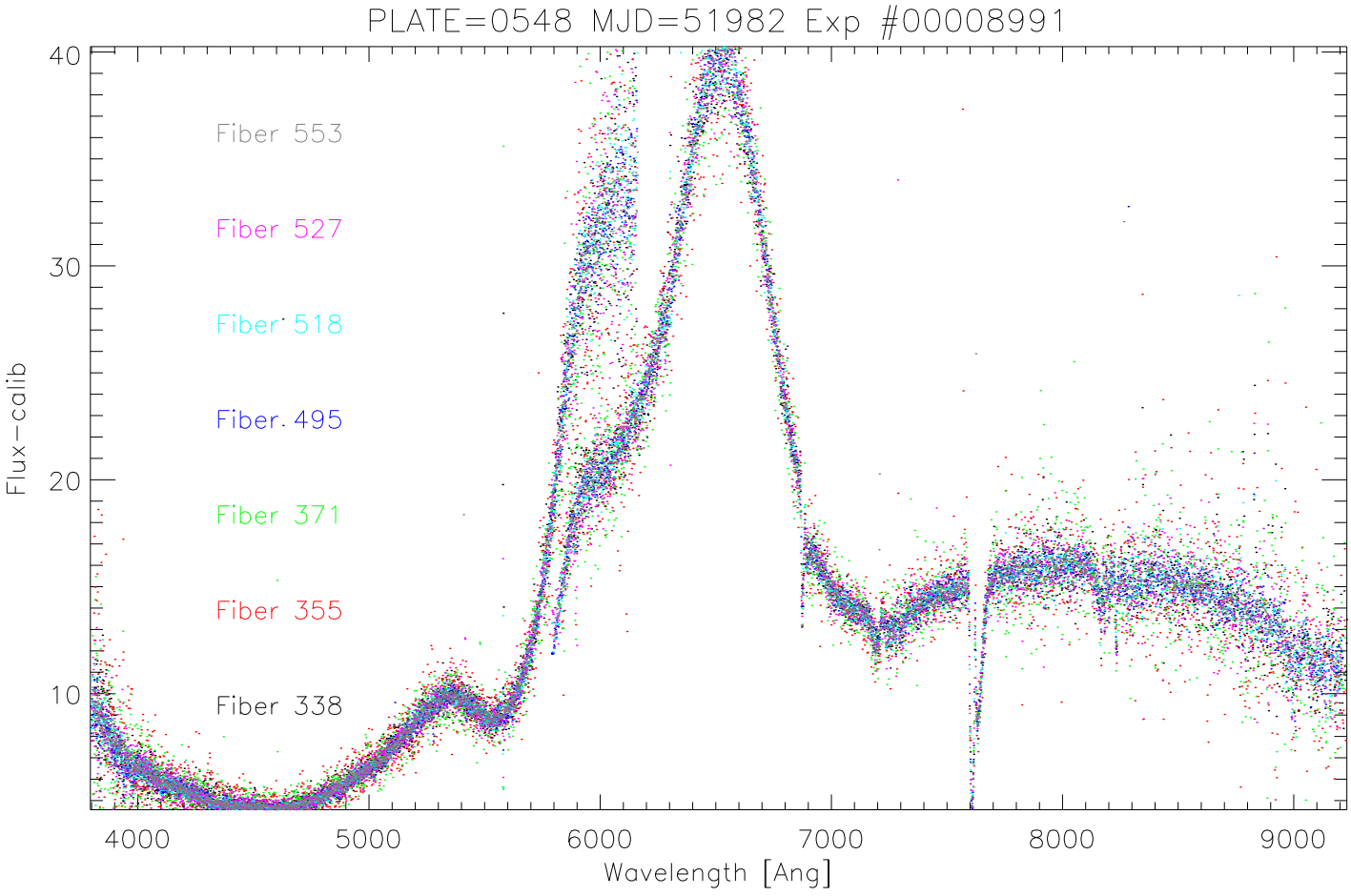

PLATE=0548 MJD=51982 Spectro-Photo Star Fiber 554
am15k2_6500_4.5.spc
Total χ^2/DOF= 0.62
Lines χ^2/DOF= 0.80
Fe/H=-1.5 T_{eff}= 6500. g=4.5 cz= 7.
Normalized Flux
Wavelength [Ang]

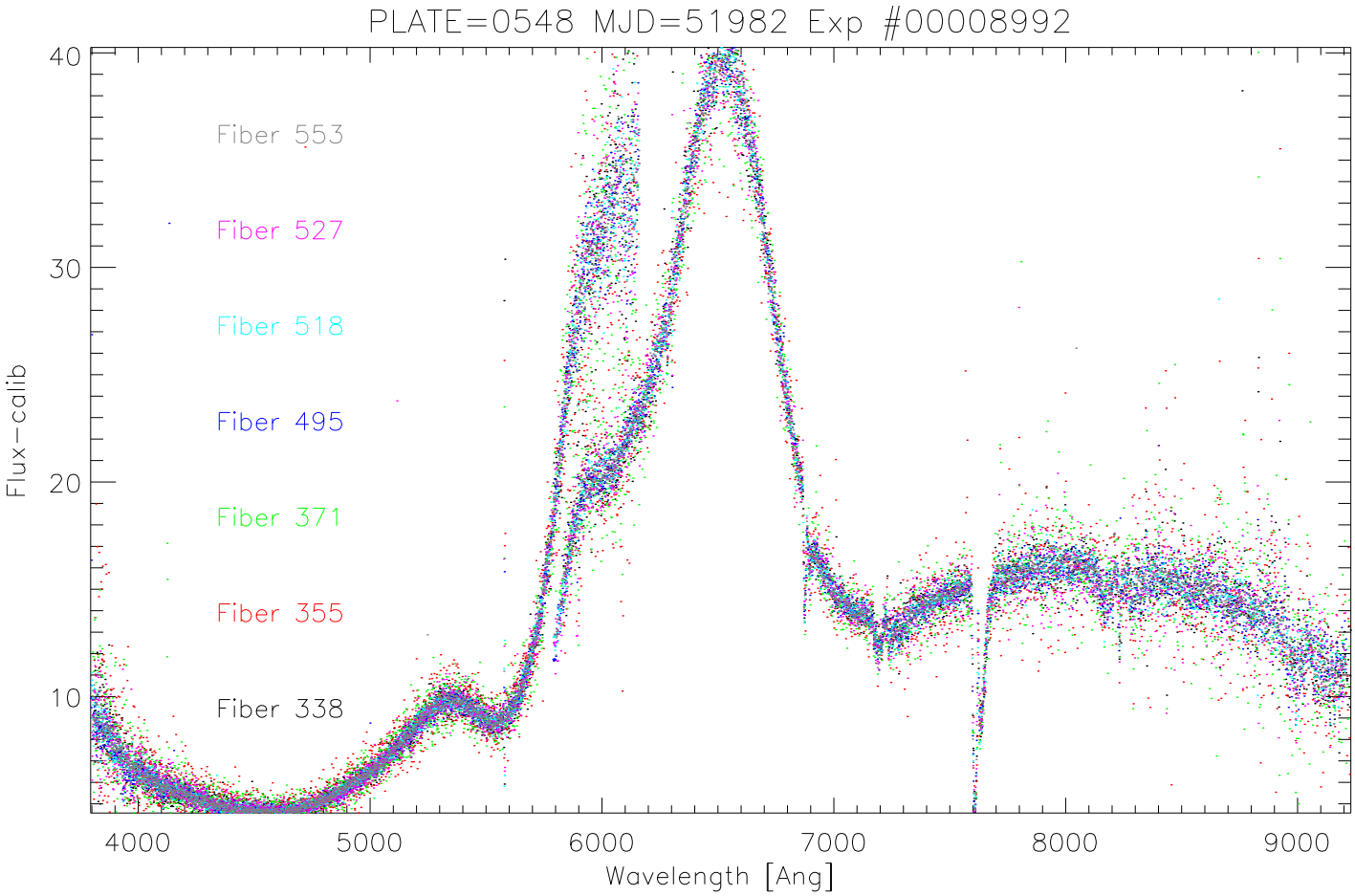

Normalized Flux
Wavelength [Ang]

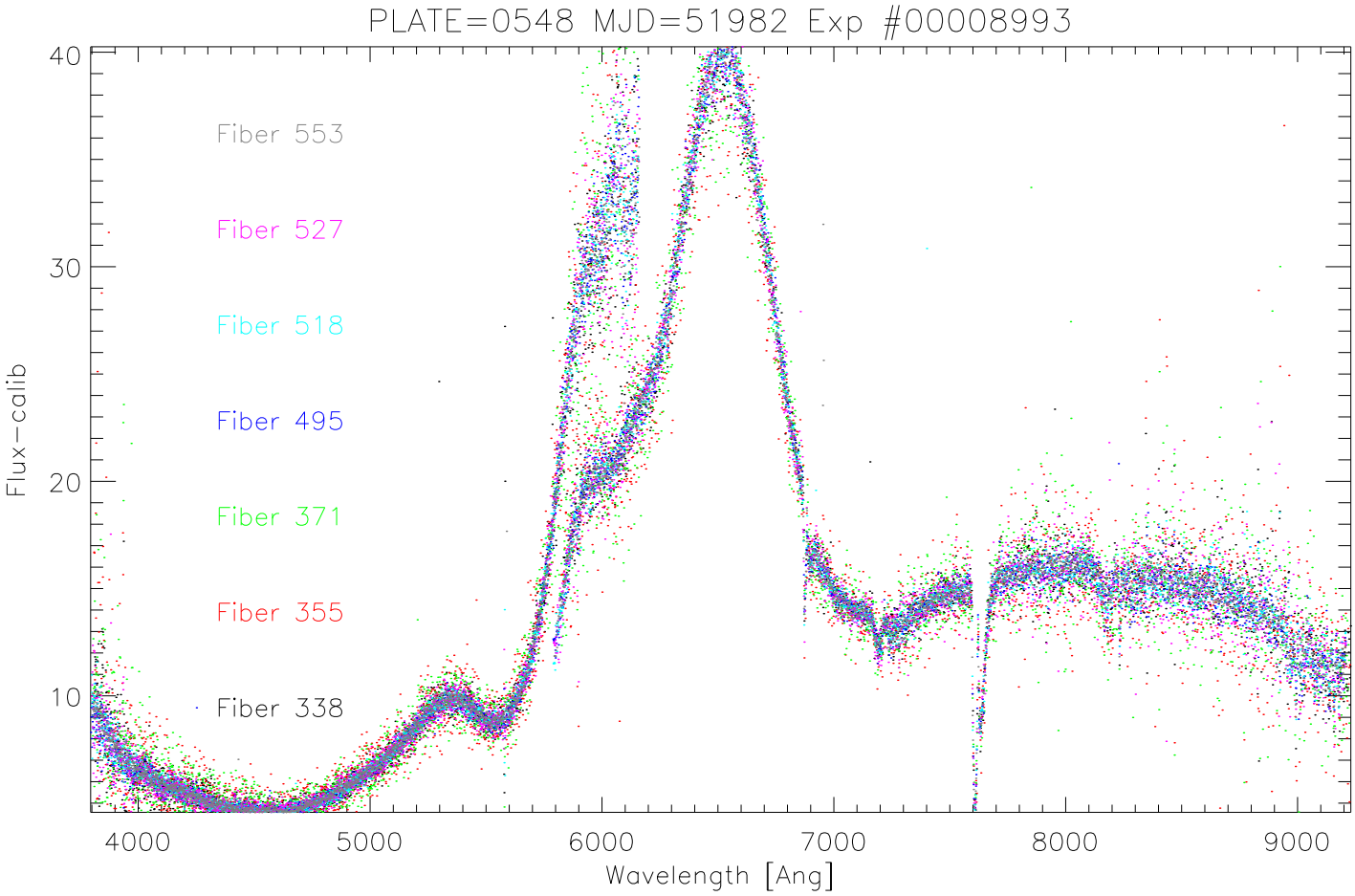

PLATE=0548 MJD=51982 Exp #00008984
Fiber 553
Fiber 527
Fiber 518
Fiber 495
Fiber 371
Fiber 355
Fiber 338
Flux−calib
Wavelength [Ang]
40
30
20
10
4000
5000
6000
7000
8000
9000


PLATE=0548 MJD=51982 Exp #00008985
Fiber 553
Fiber 527
Fiber 518
Fiber 495
Fiber 371
Fiber 355
Fiber 338
Flux−calib
Wavelength [Ang]
40
30
20
10
4000
5000
6000
7000
8000
9000


PLATE=0548 MJD=51982 Exp #00008986
Fiber 553
Fiber 527
Fiber 518
Fiber 495
Fiber 371
Fiber 355
Fiber 338
Flux−calib
Wavelength [Ang]
40
30
20
10
4000
5000
6000
7000
8000
9000


PLATE=0548 MJD=51982 Exp #00008991
Fiber 553
Fiber 527
Fiber 518
Fiber 495
Fiber 371
Fiber 355
Fiber 338
Flux−calib
Wavelength [Ang]
40
30
20
10
4000
5000
6000
7000
8000
9000


PLATE=0548 MJD=51982 Exp #00008992
Fiber 553
Fiber 527
Fiber 518
Fiber 495
Fiber 371
Fiber 355
Fiber 338
Flux−calib
Wavelength [Ang]
40
30
20
10
4000
5000
6000
7000
8000
9000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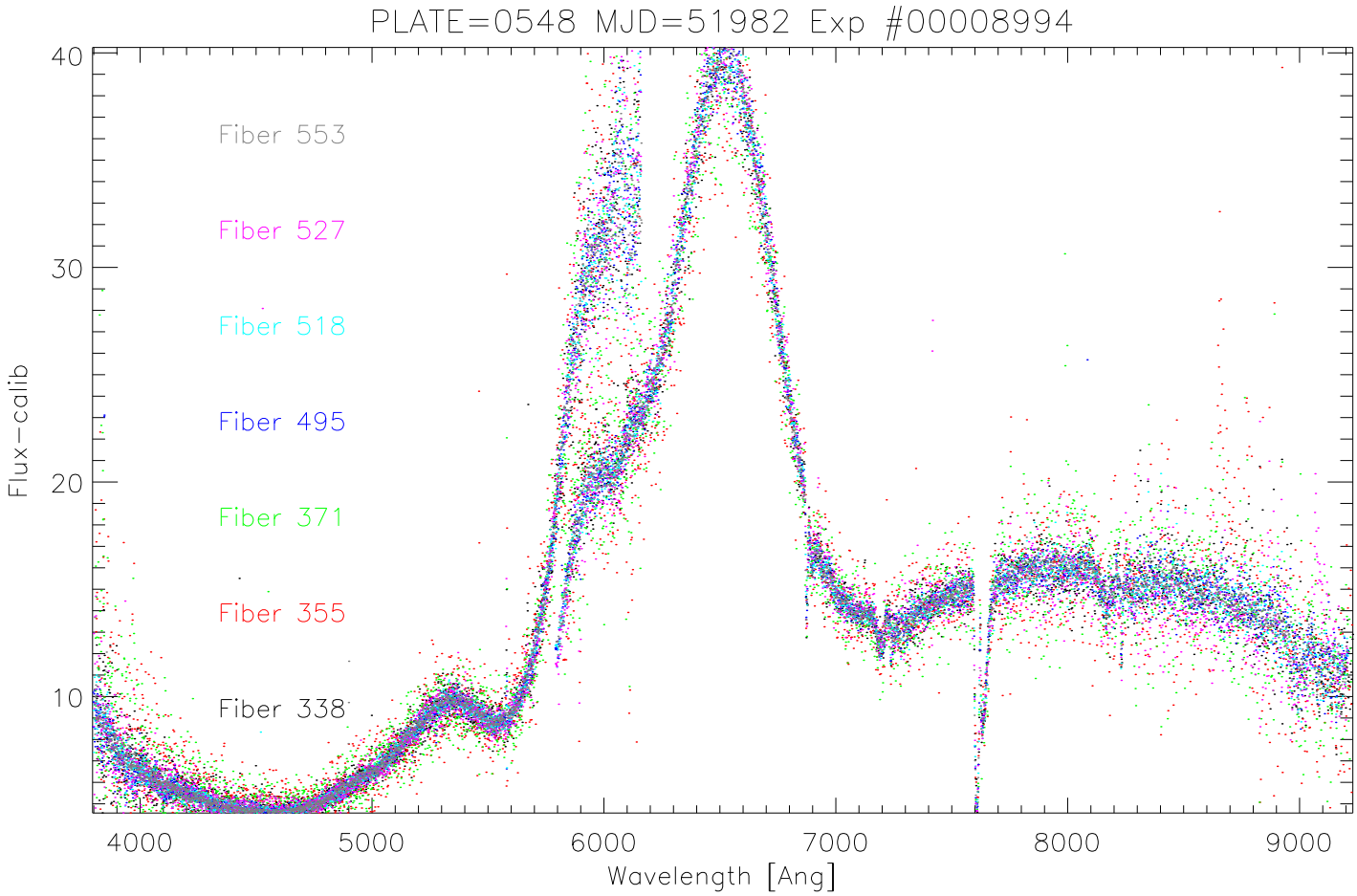
Fiber 553
Fiber 527
Fiber 518
Fiber 495
Fiber 371
Fiber 355
Fiber 338
Flux−calib
Wavelength [Ang]
40
30
20
10
4000
5000
6000
7000
8000
9000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Fiber 553
Fiber 527
Fiber 518
Fiber 495
Fiber 371
Fiber 355
Fiber 338
Flux−calib
Wavelength [Ang]
40
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4000
5000
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7000
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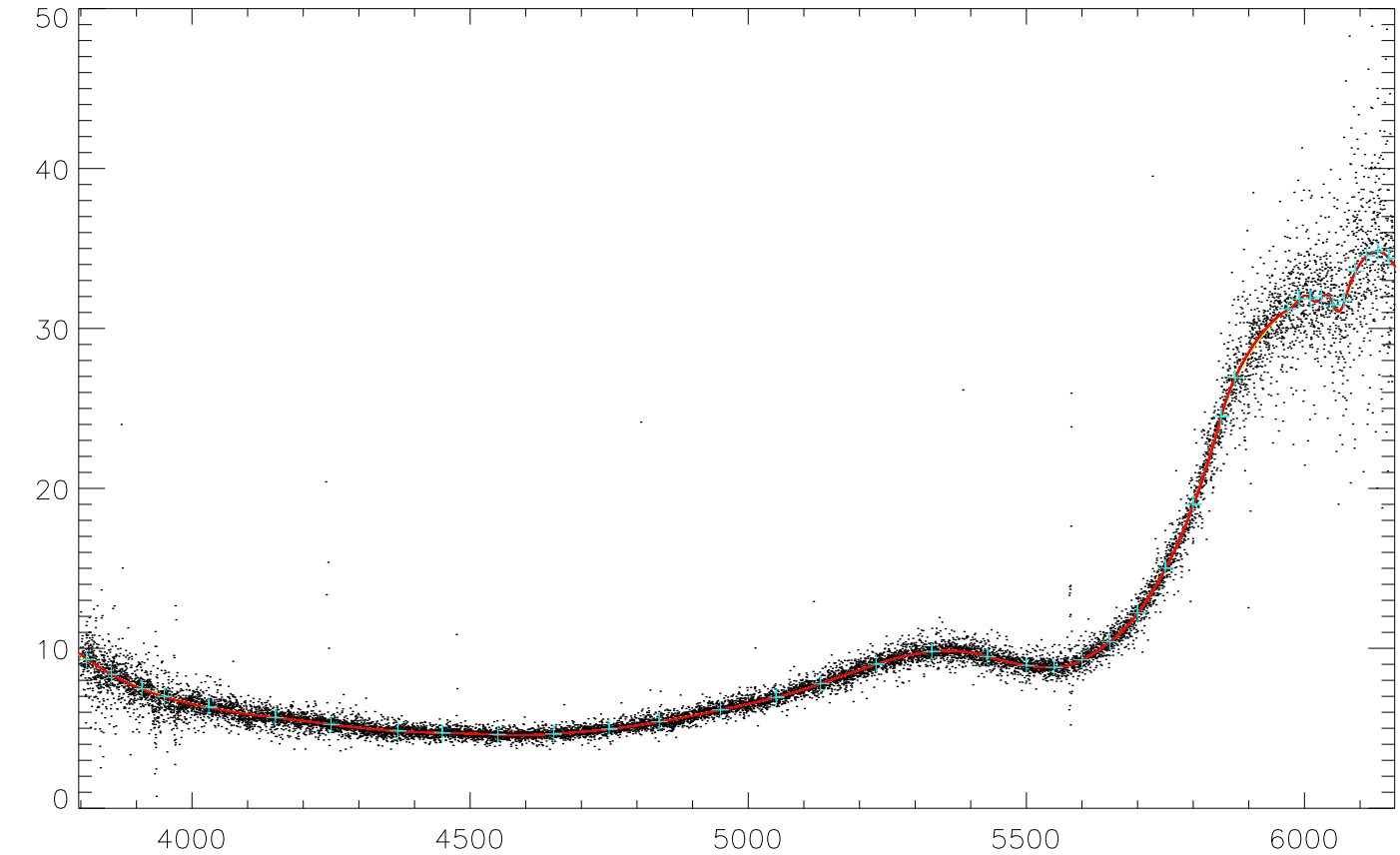
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4500
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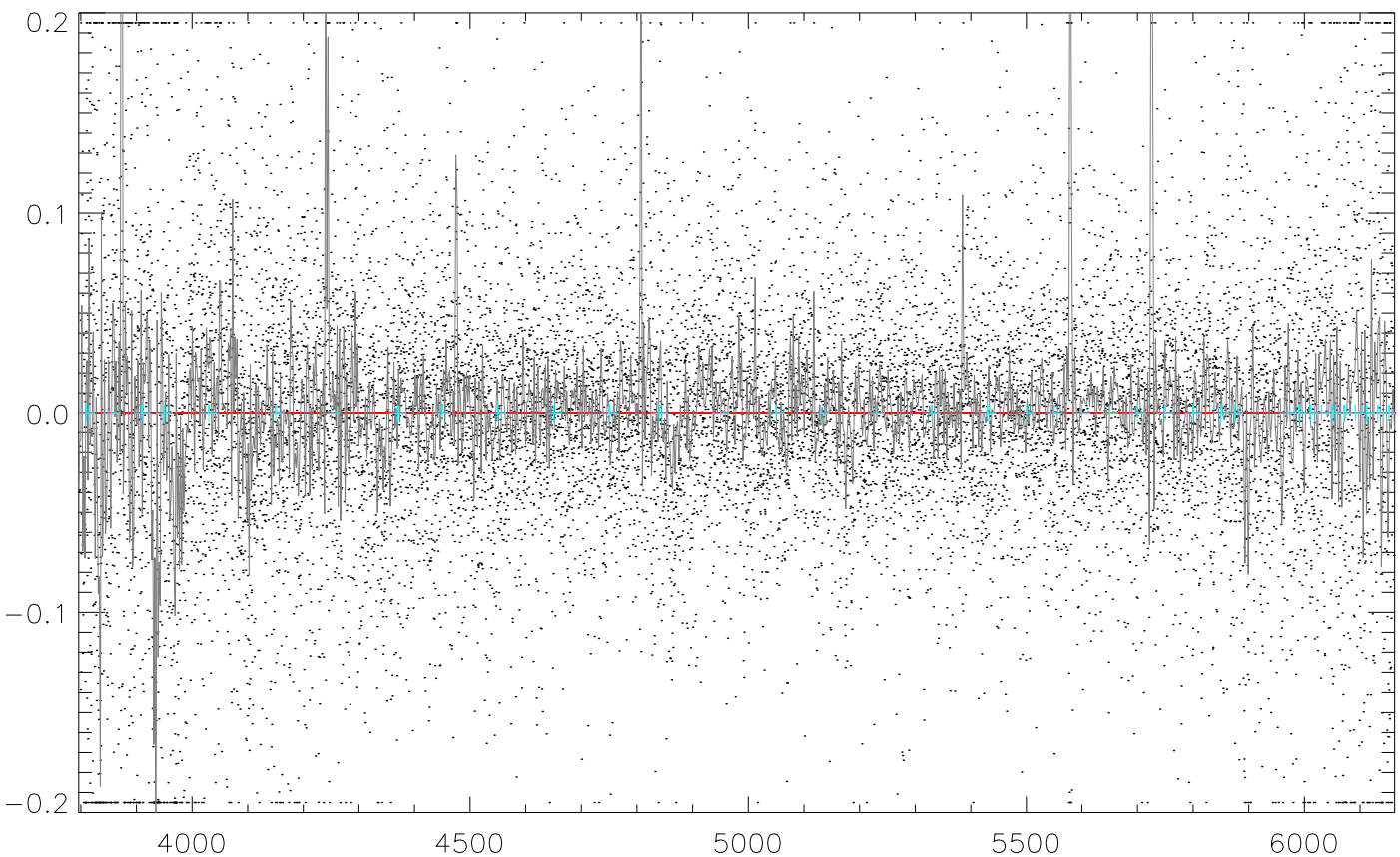
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0.0
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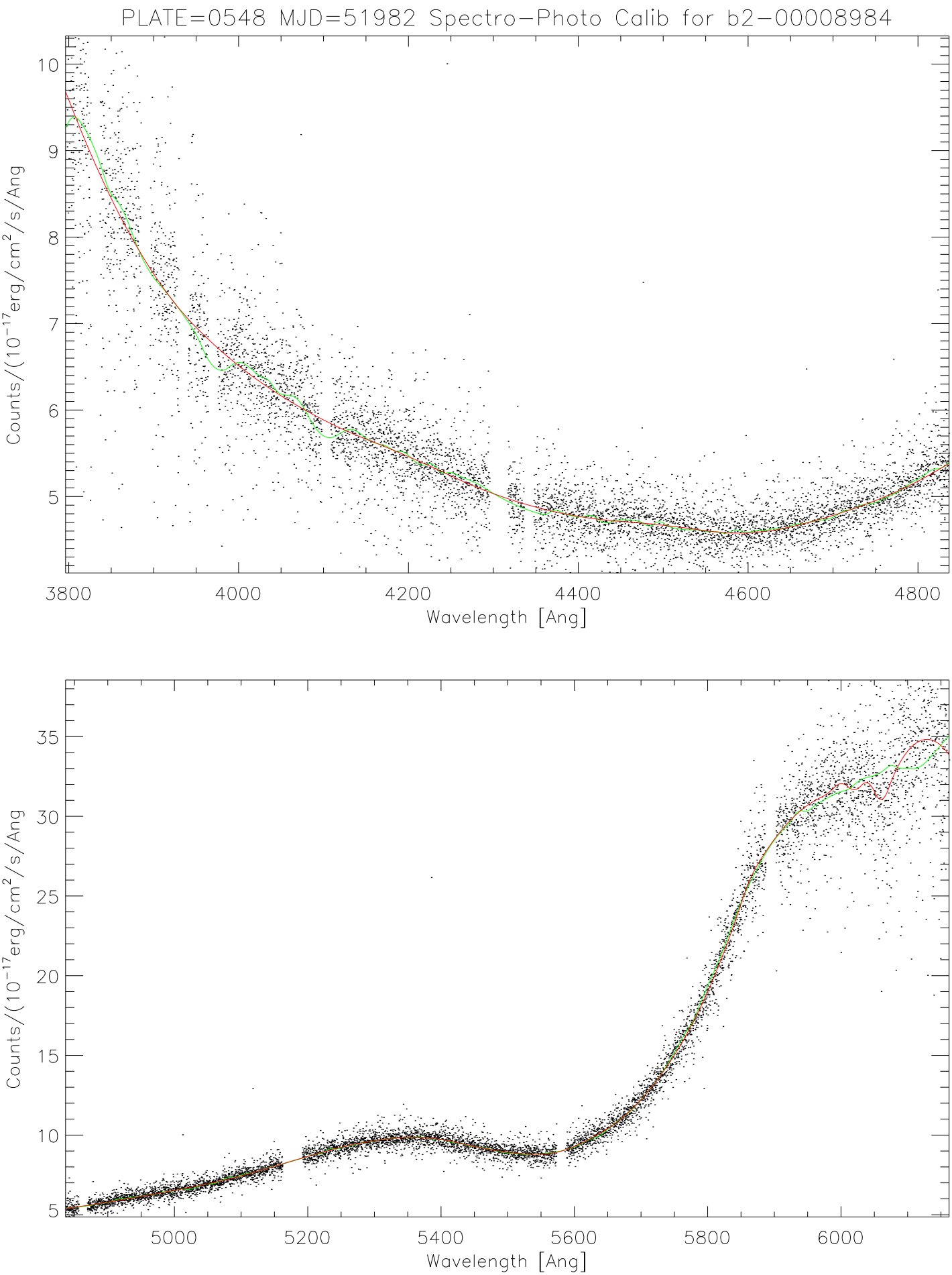
−0.2
4000
4500
5000
5500
6000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Counts/(10^-17 erg/cm^2/s/Ang
Wavelength [Ang]
3800
4000
4200
4400
4600
4800
5
6
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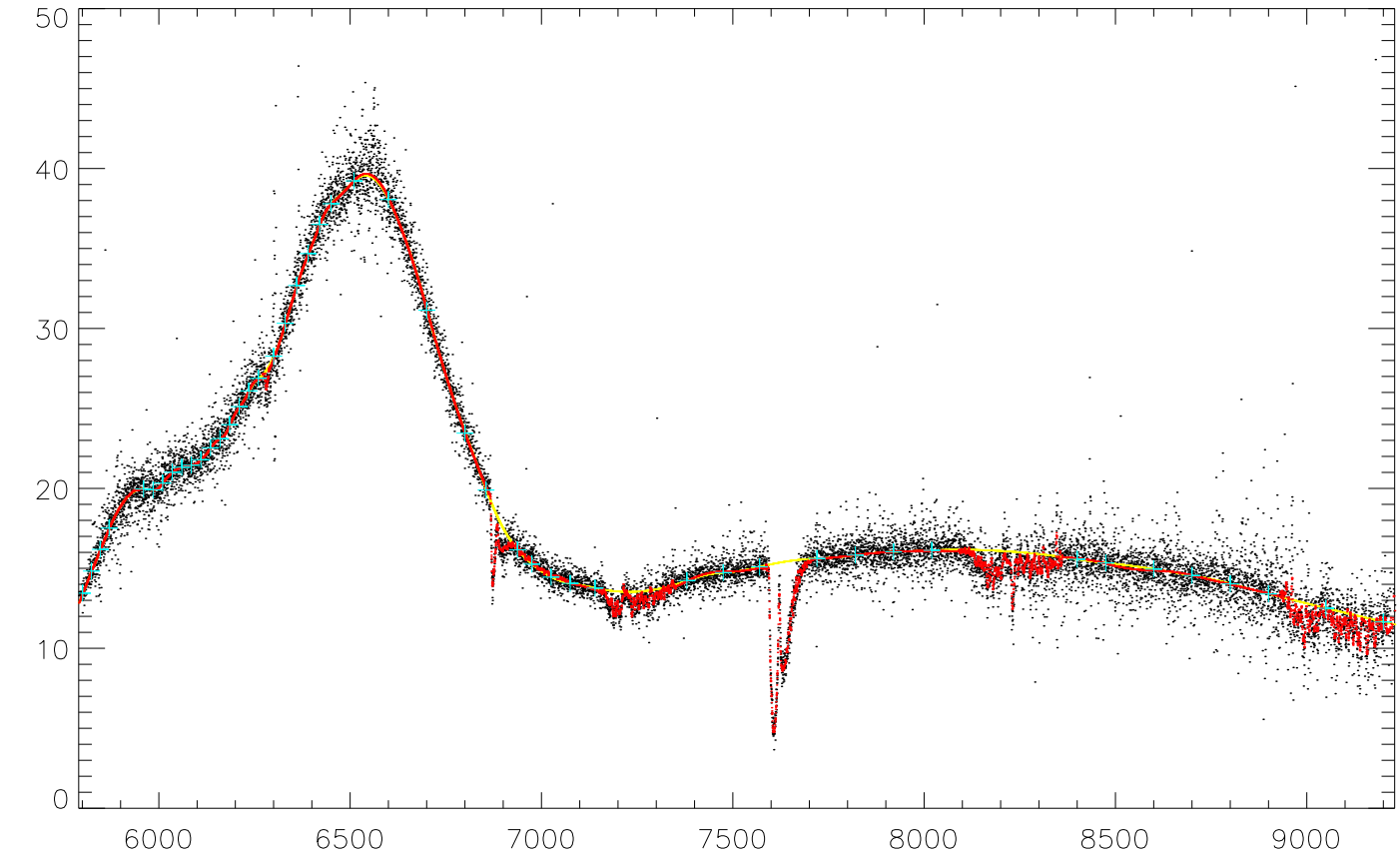
8
9
10
5000
5200
5400
5600
5800
6000
10
15
20
25
30
35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6500
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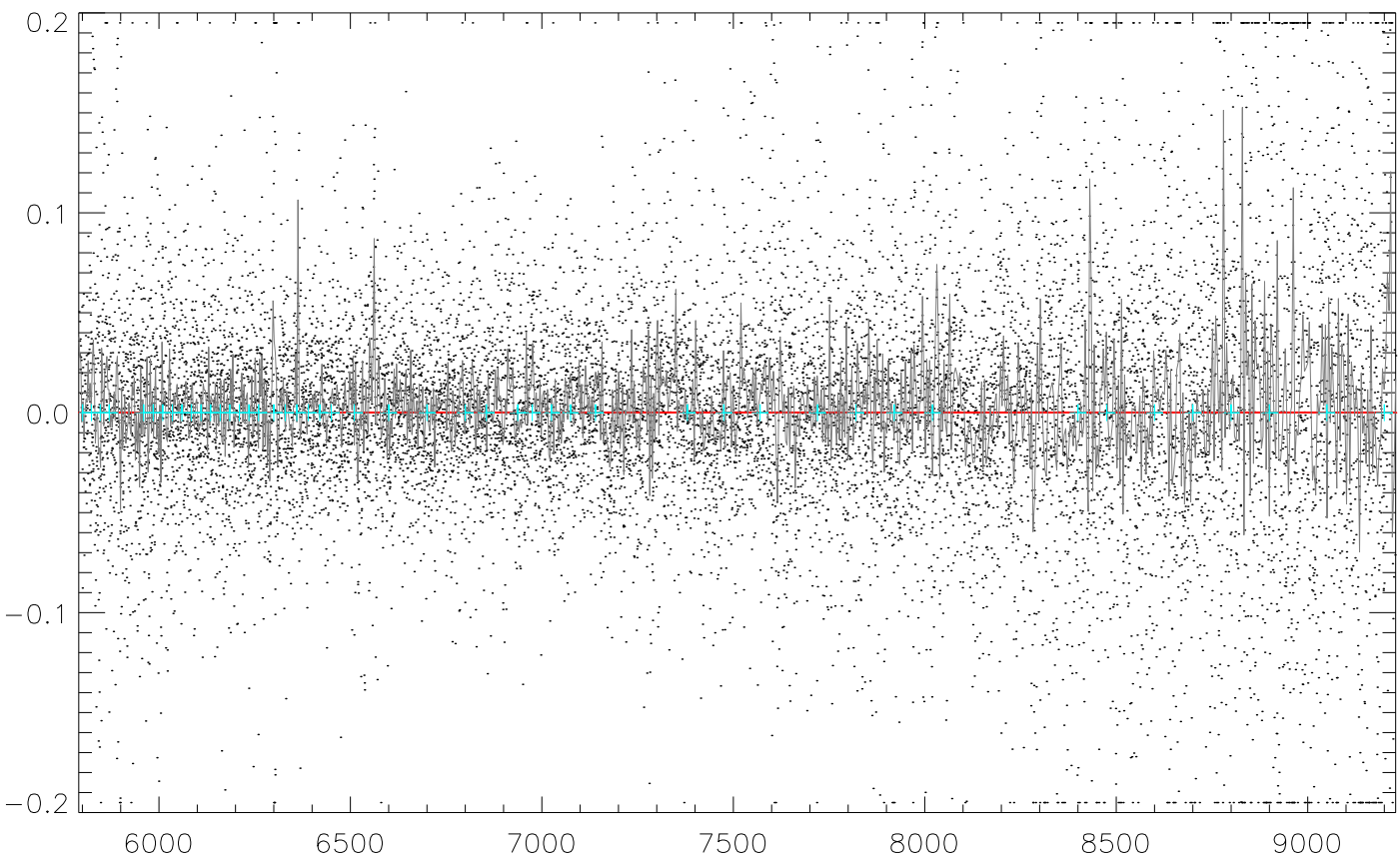
8500
9000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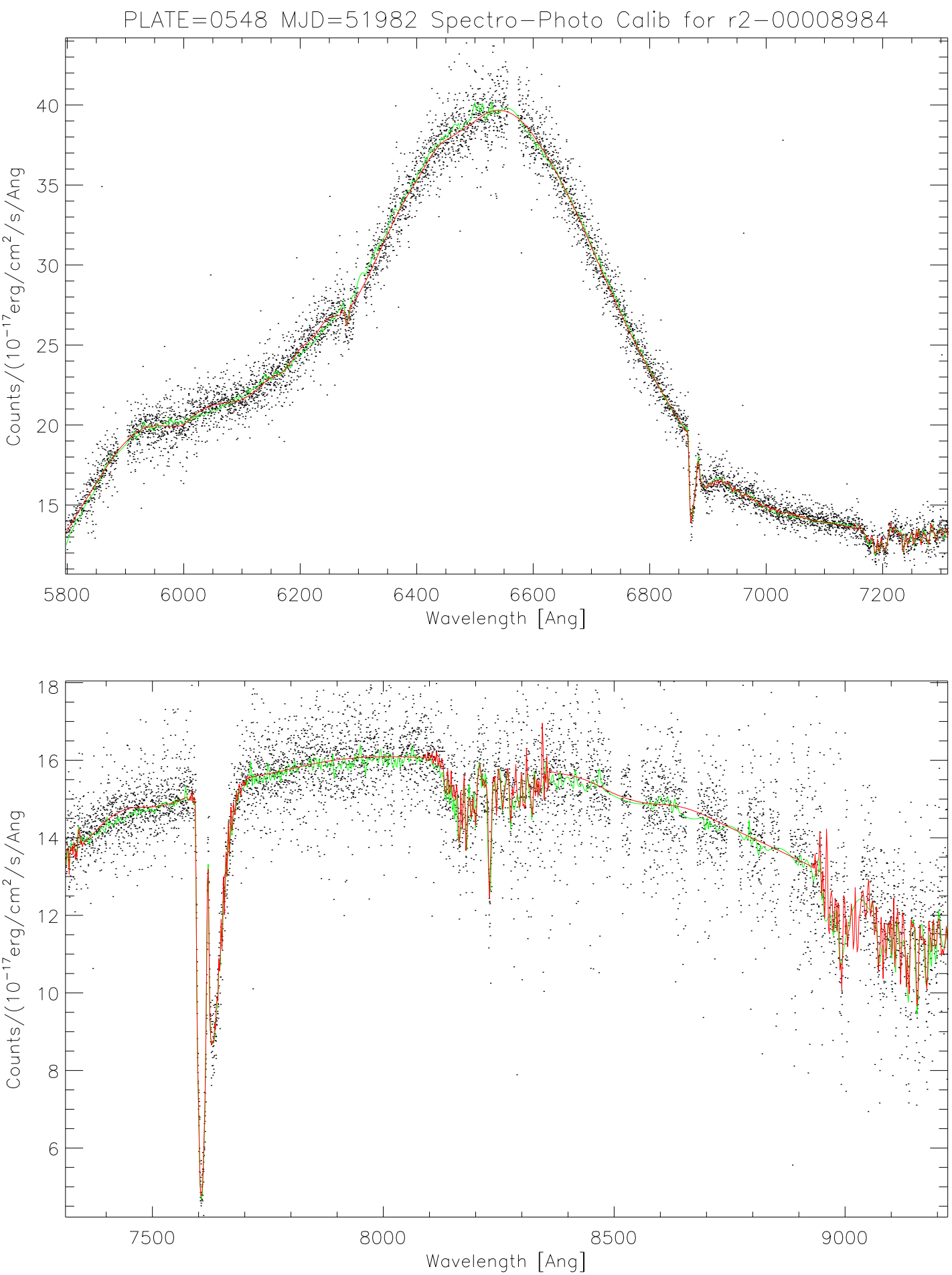
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Counts/(10^-17 erg/cm^2/s/Ang
Wavelength [Ang]
5800
6000
6200
6400
6600
6800
7000
7200
15
20
25
30
35
40
Counts/(10^-17 erg/cm^2/s/Ang
Wavelength [Ang]
7500
8000
8500
9000
6
8
10
12
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16
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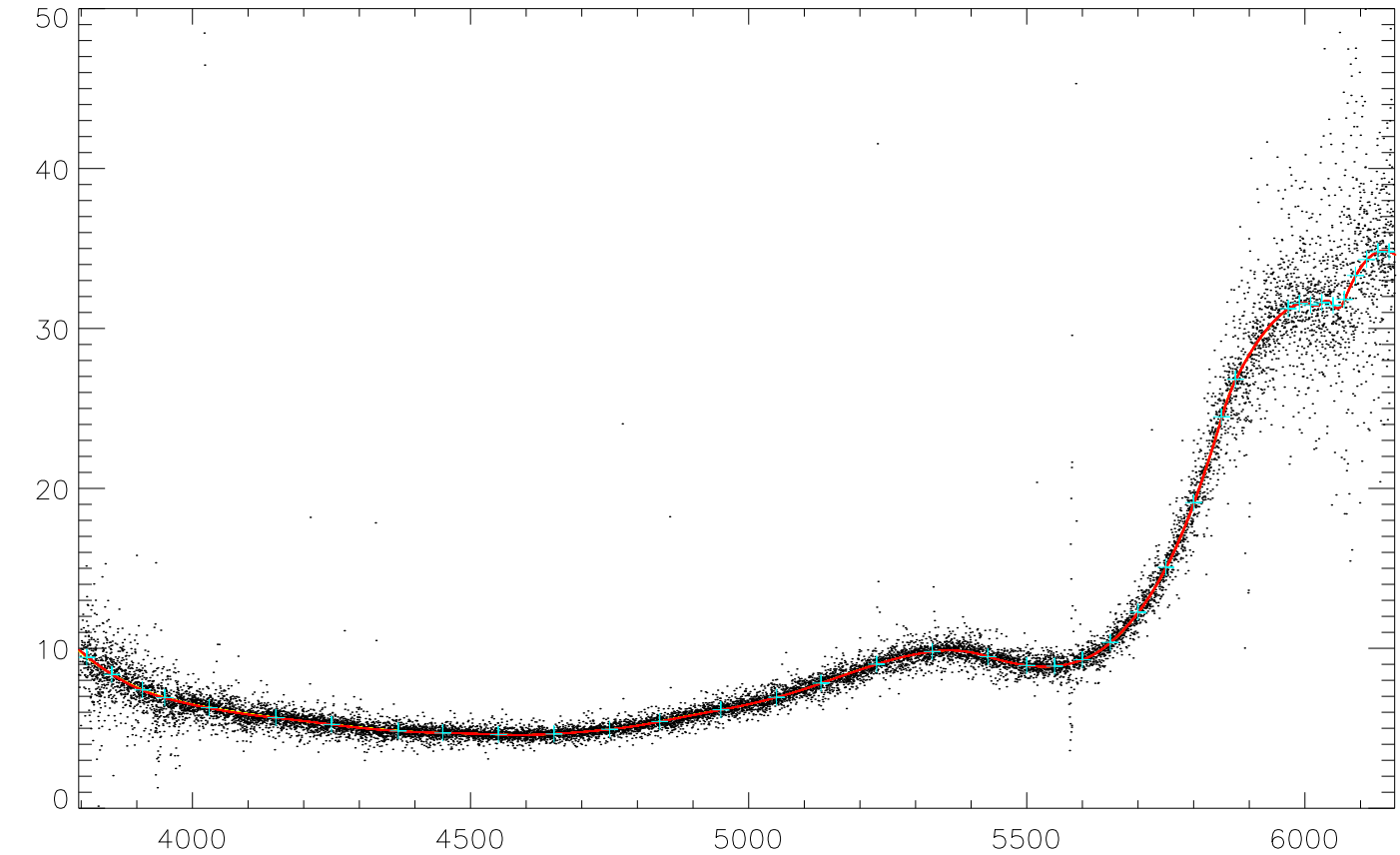
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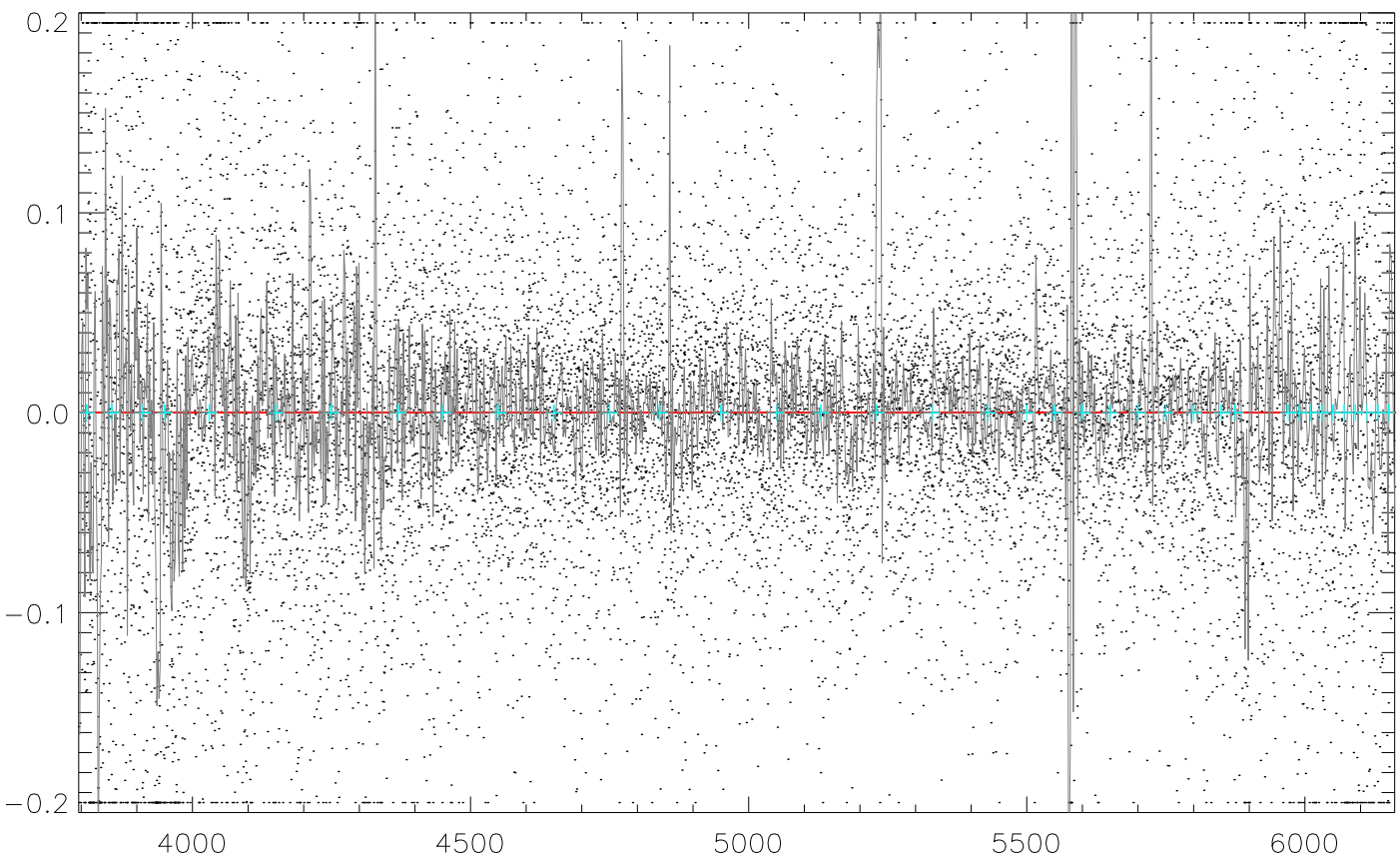
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5000
5500
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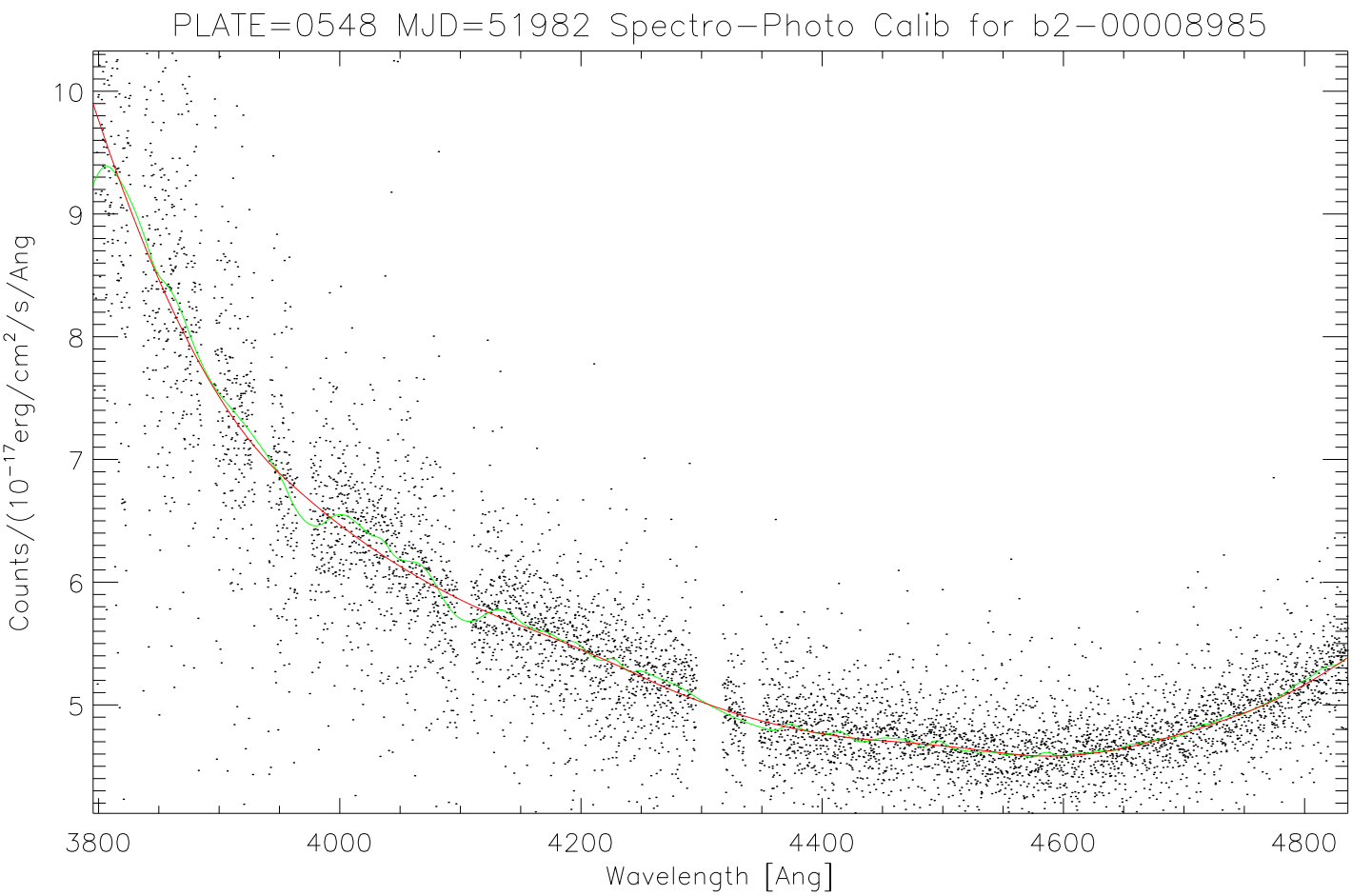
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Counts/(10^-17erg/cm^2/s/Ang
Wavelength [Ang]
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4000
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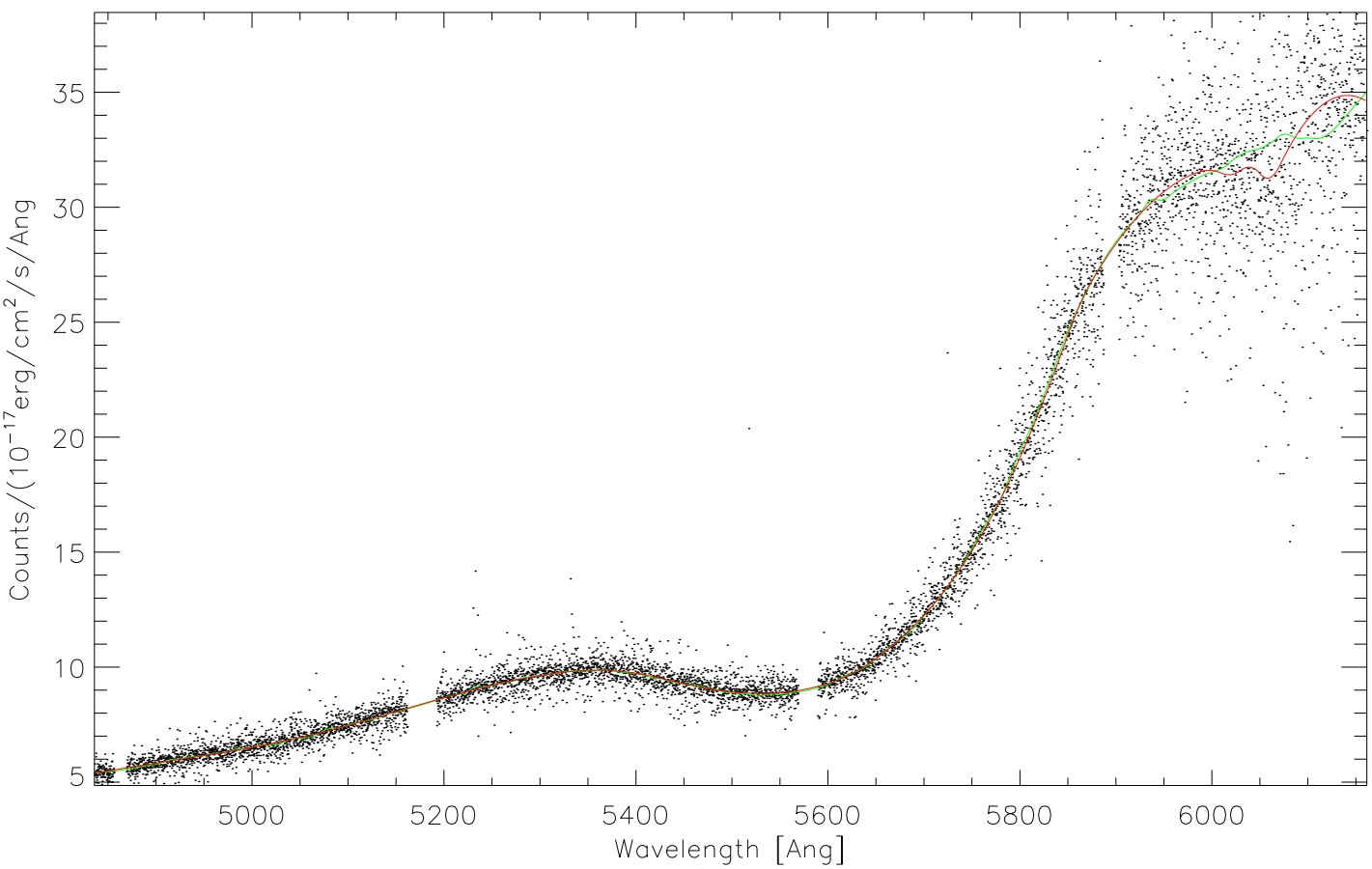
5
6
7
8
9
10


Counts/(10^-17erg/cm^2/s/Ang
Wavelength [Ang]
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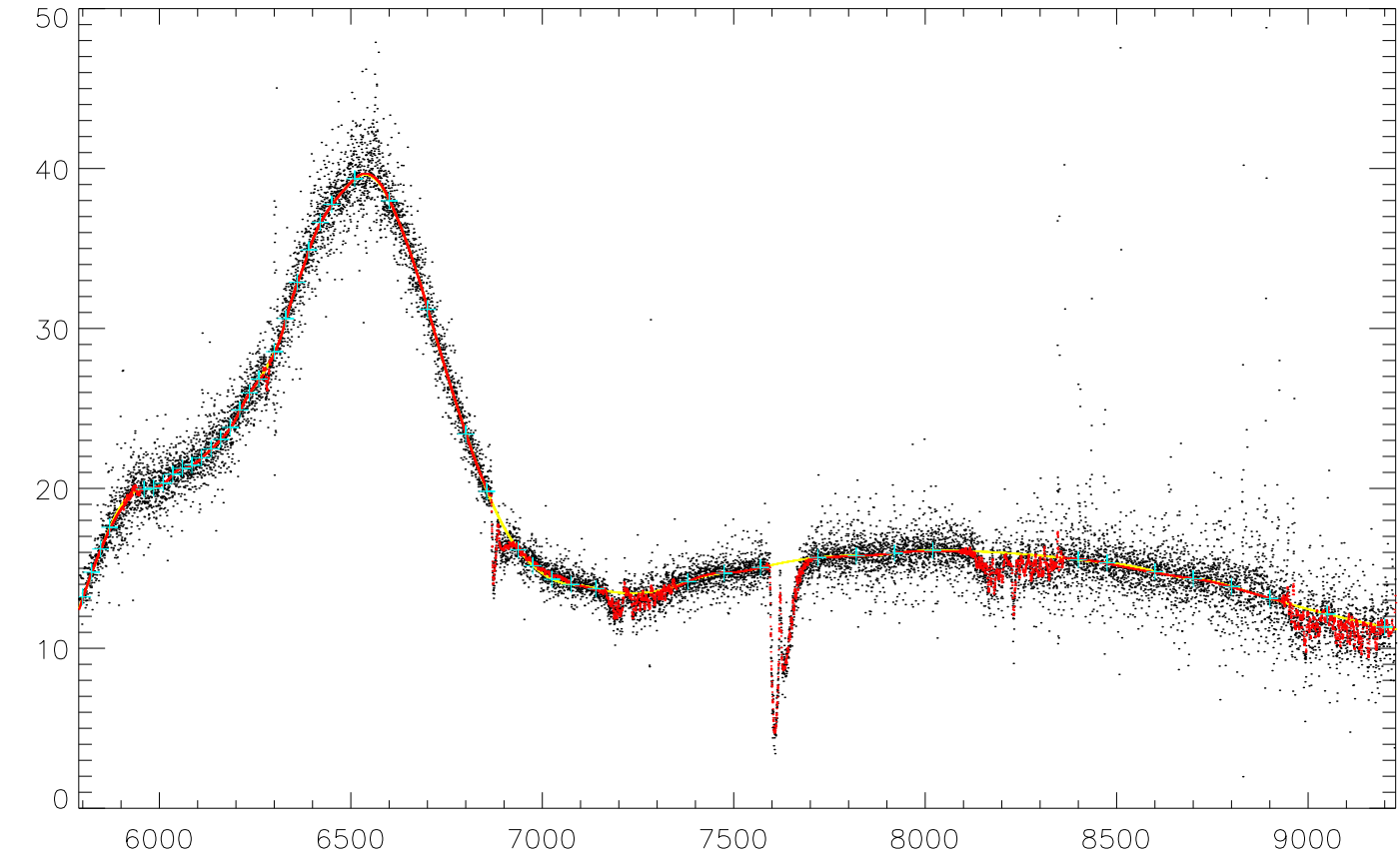
5200
5400
5600
5800
6000
5
10
15
20
25
30
35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6500
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7500
8000
8500
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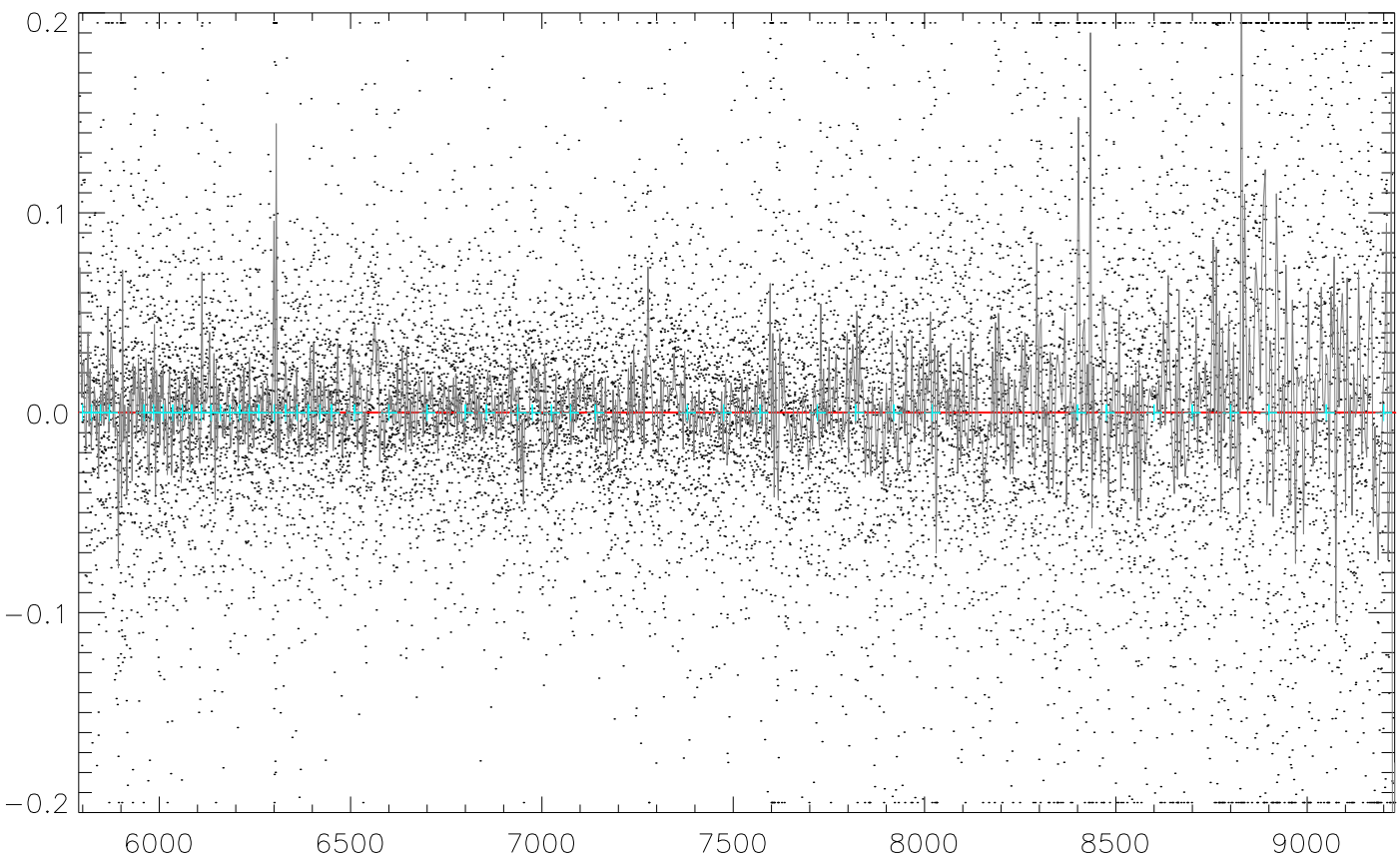
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0.0
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6000
6500
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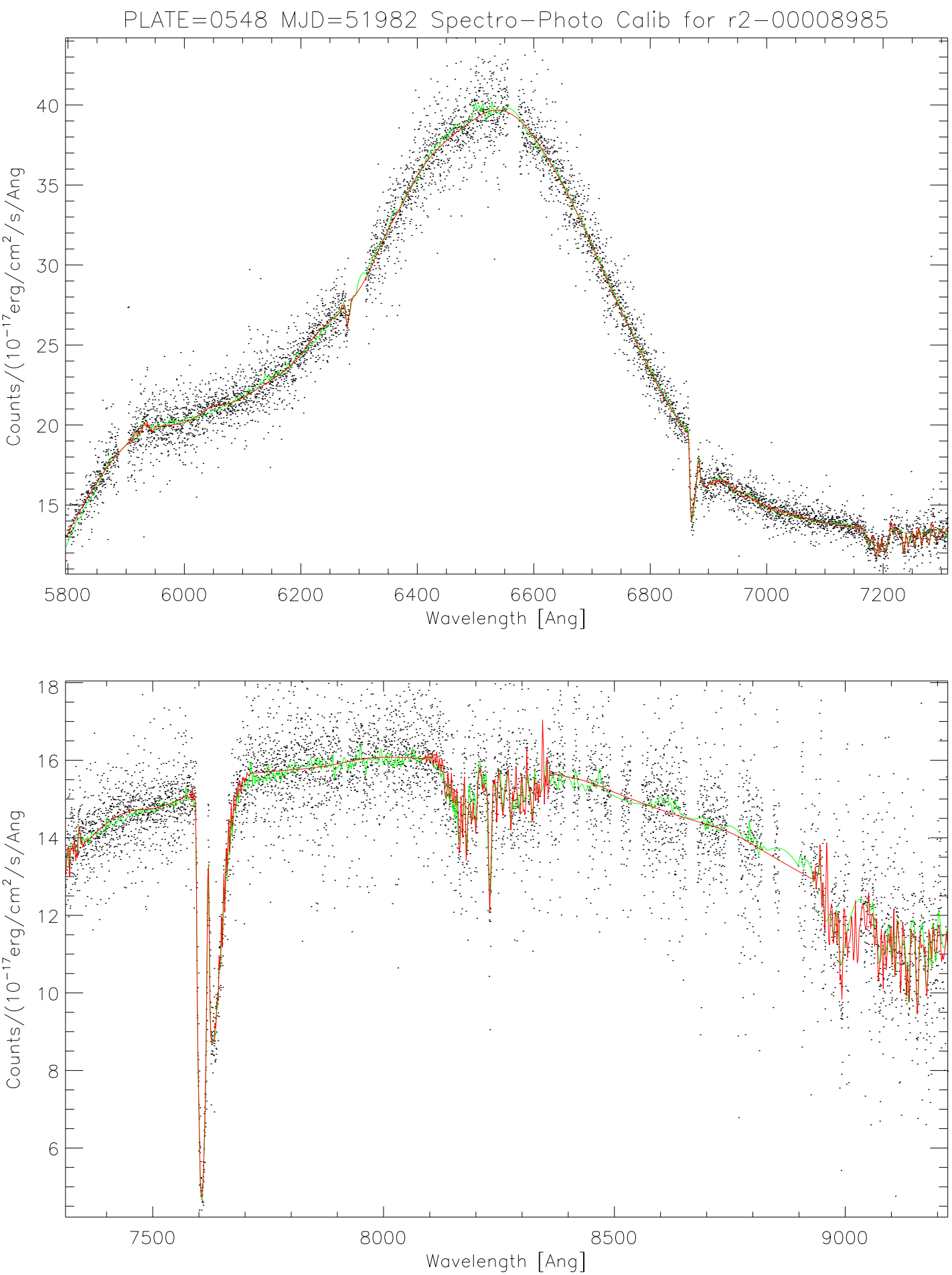
8000
8500
9000


PLATE=0548 MJD=51982 Spectro−Photo Calib for r2−00008985
Counts/(10^-17 erg/cm^2/s/Ang
Wavelength [Ang]
5800
6000
6200
6400
6600
6800
7000
7200
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40
7500
8000
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9000
6
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12
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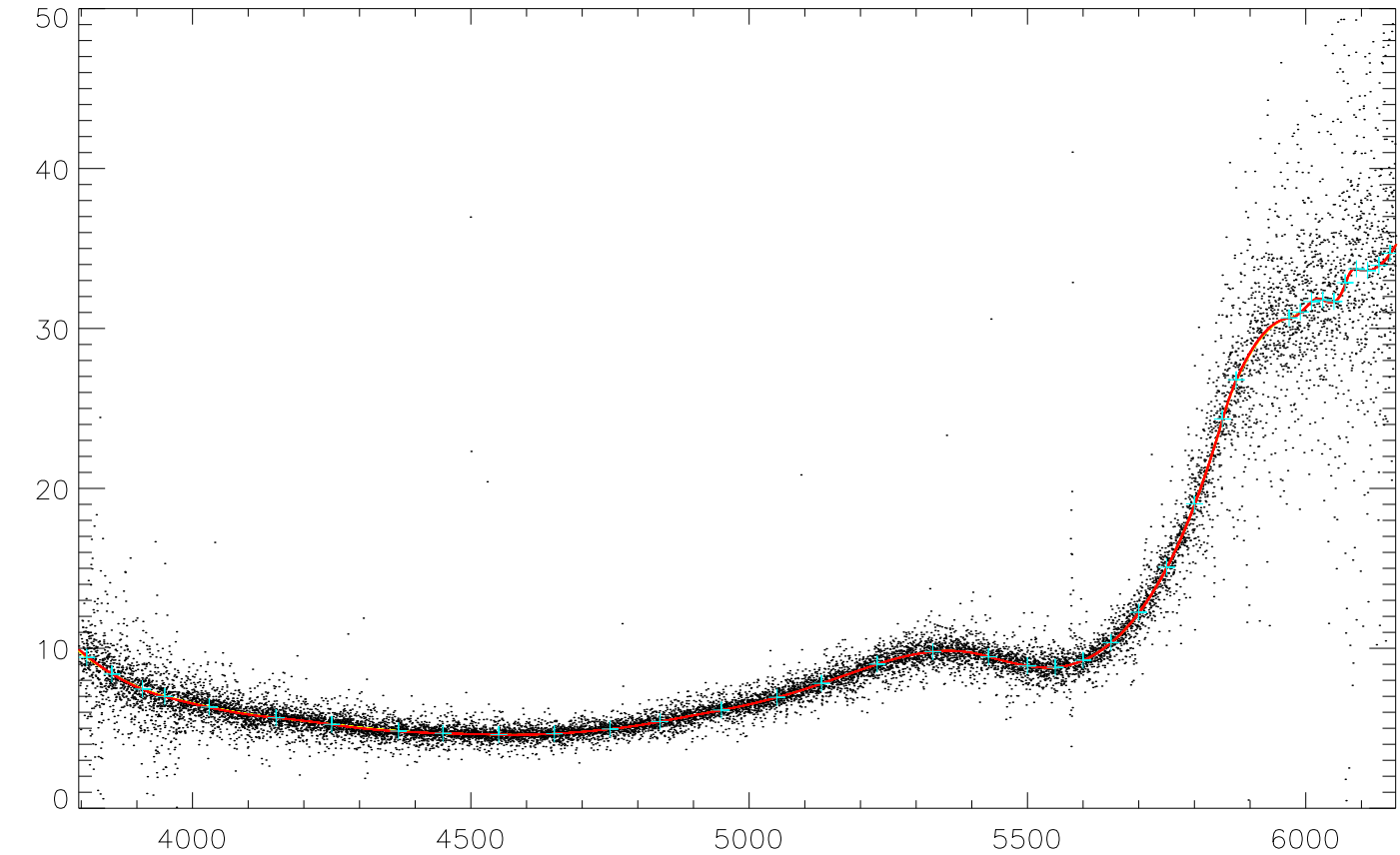
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4500
5000
5500
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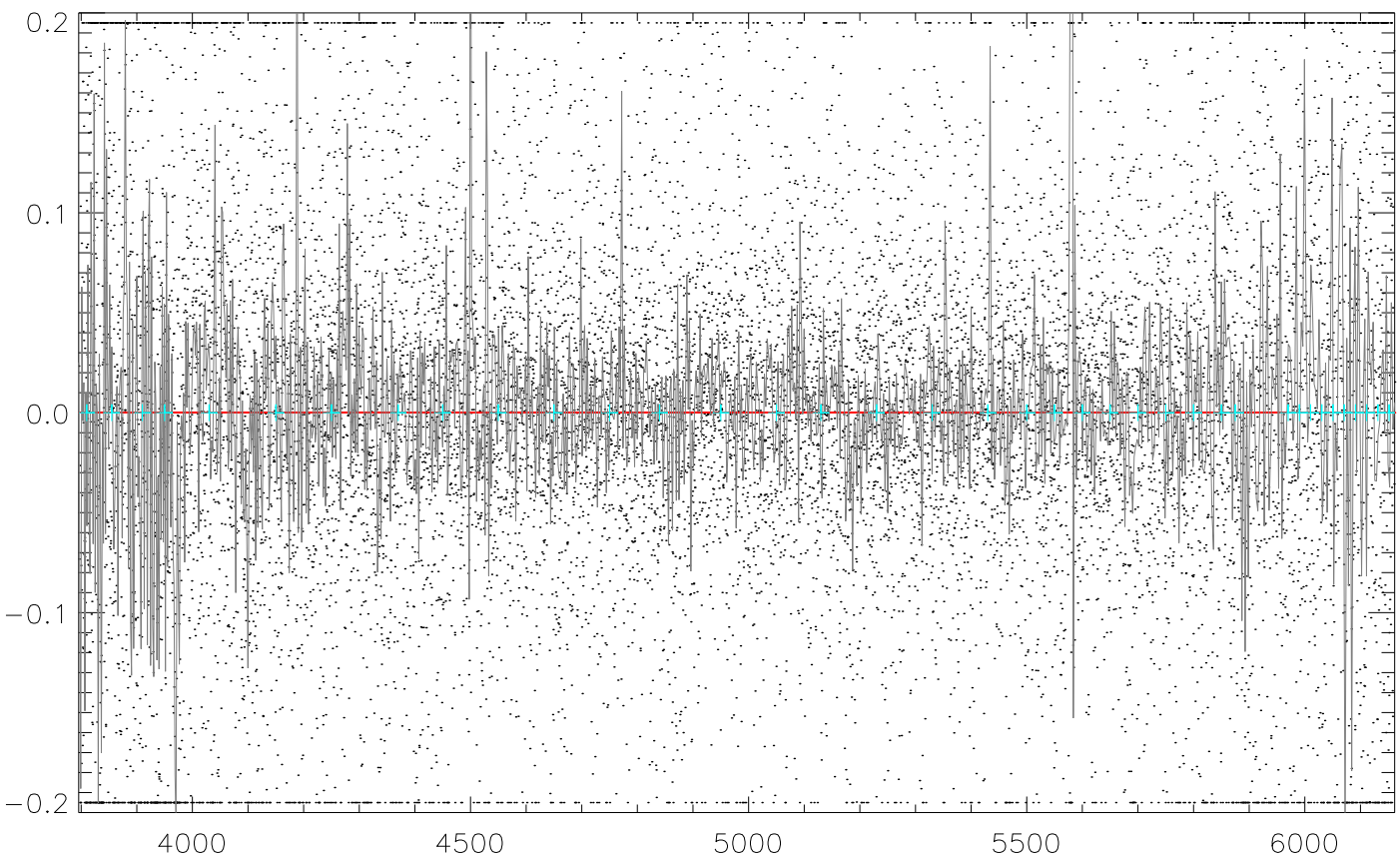
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0.0
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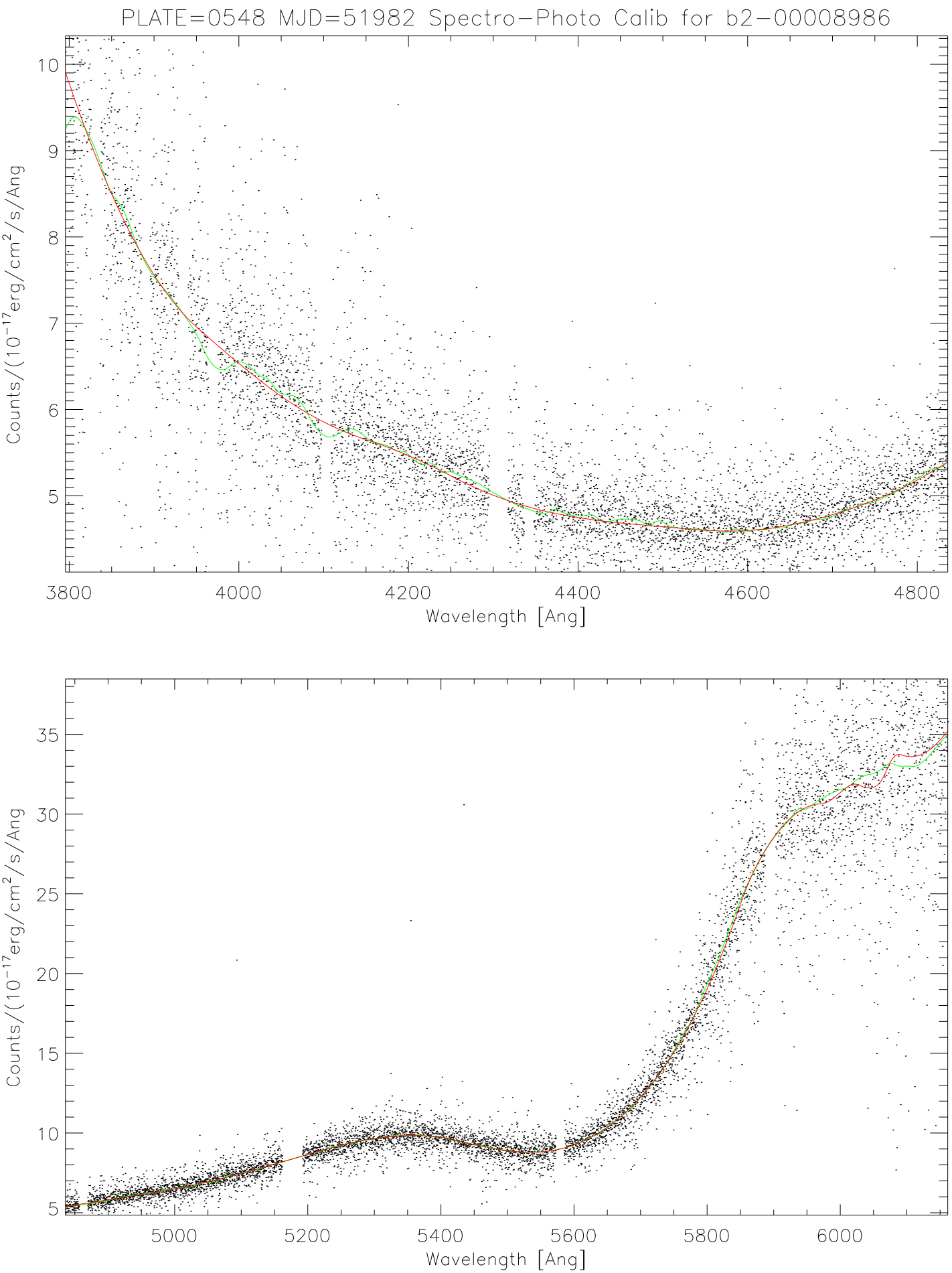
−0.2
4000
4500
5000
5500
6000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Counts/(10^-17erg/cm^2/s/Ang
Wavelength [Ang]
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4000
4200
4400
4600
4800
5
6
7
8
9
10
Counts/(10^-17erg/cm^2/s/Ang
Wavelength [Ang]
5000
5200
5400
5600
5800
6000
5
10
15
20
25
30
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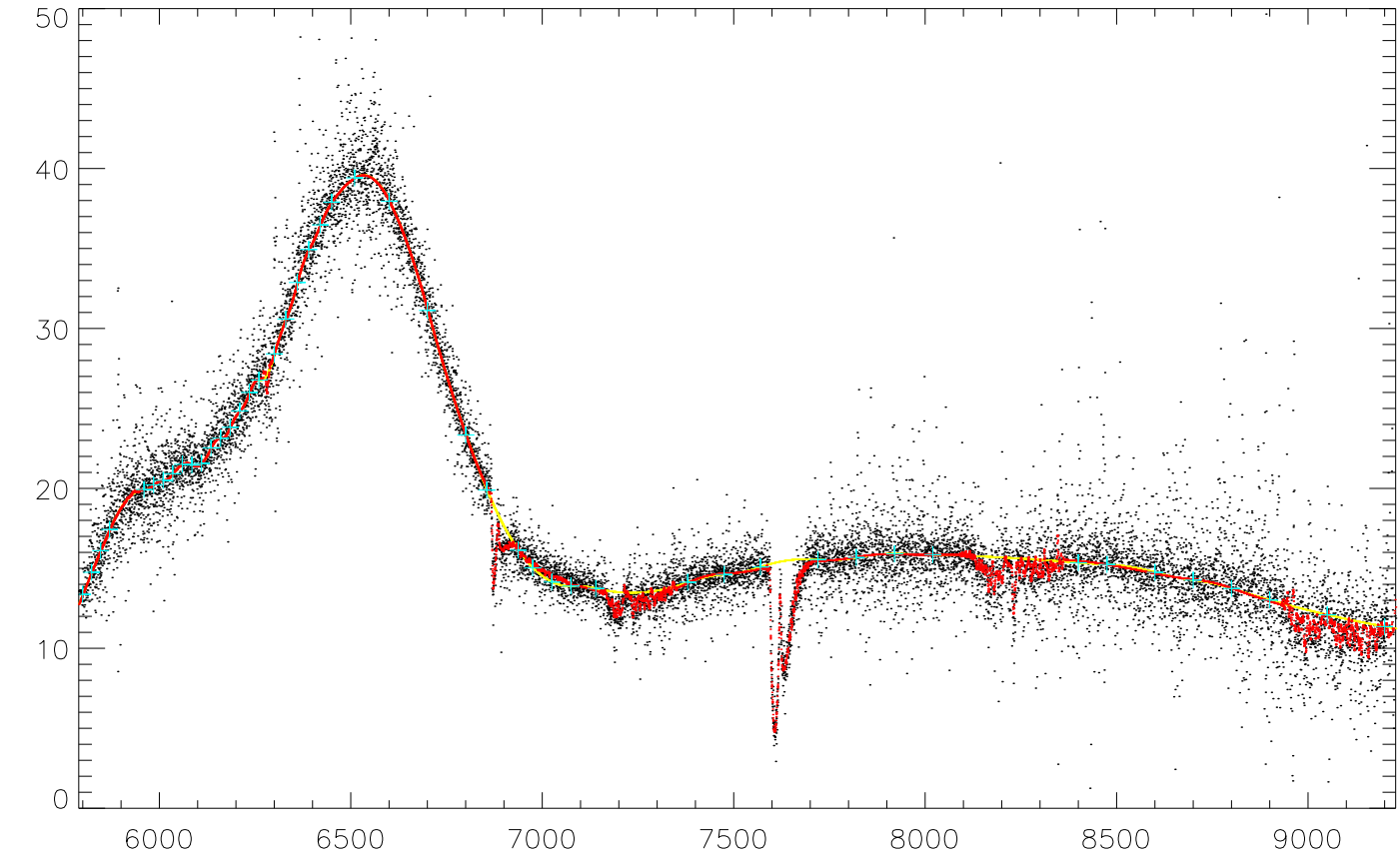
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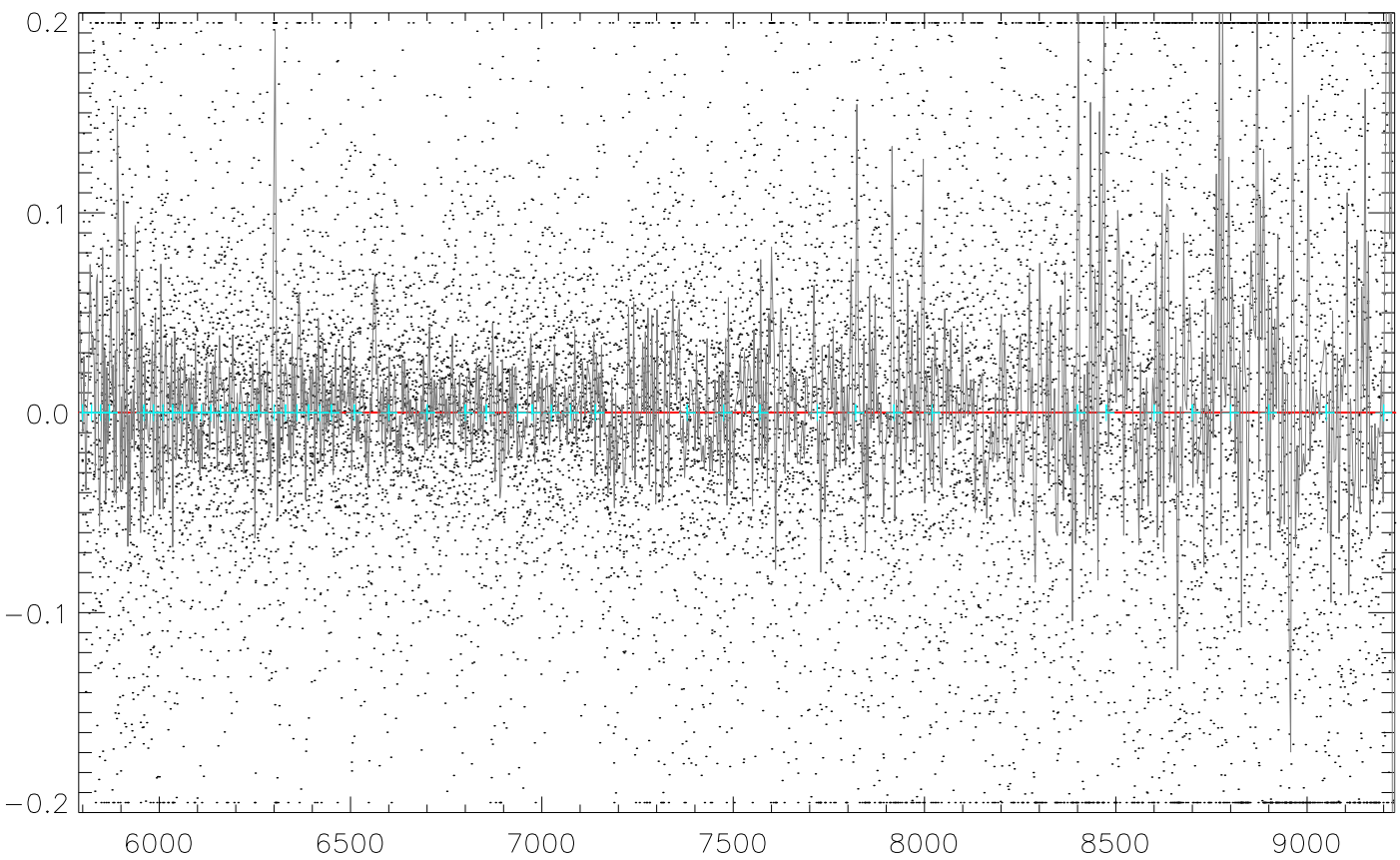
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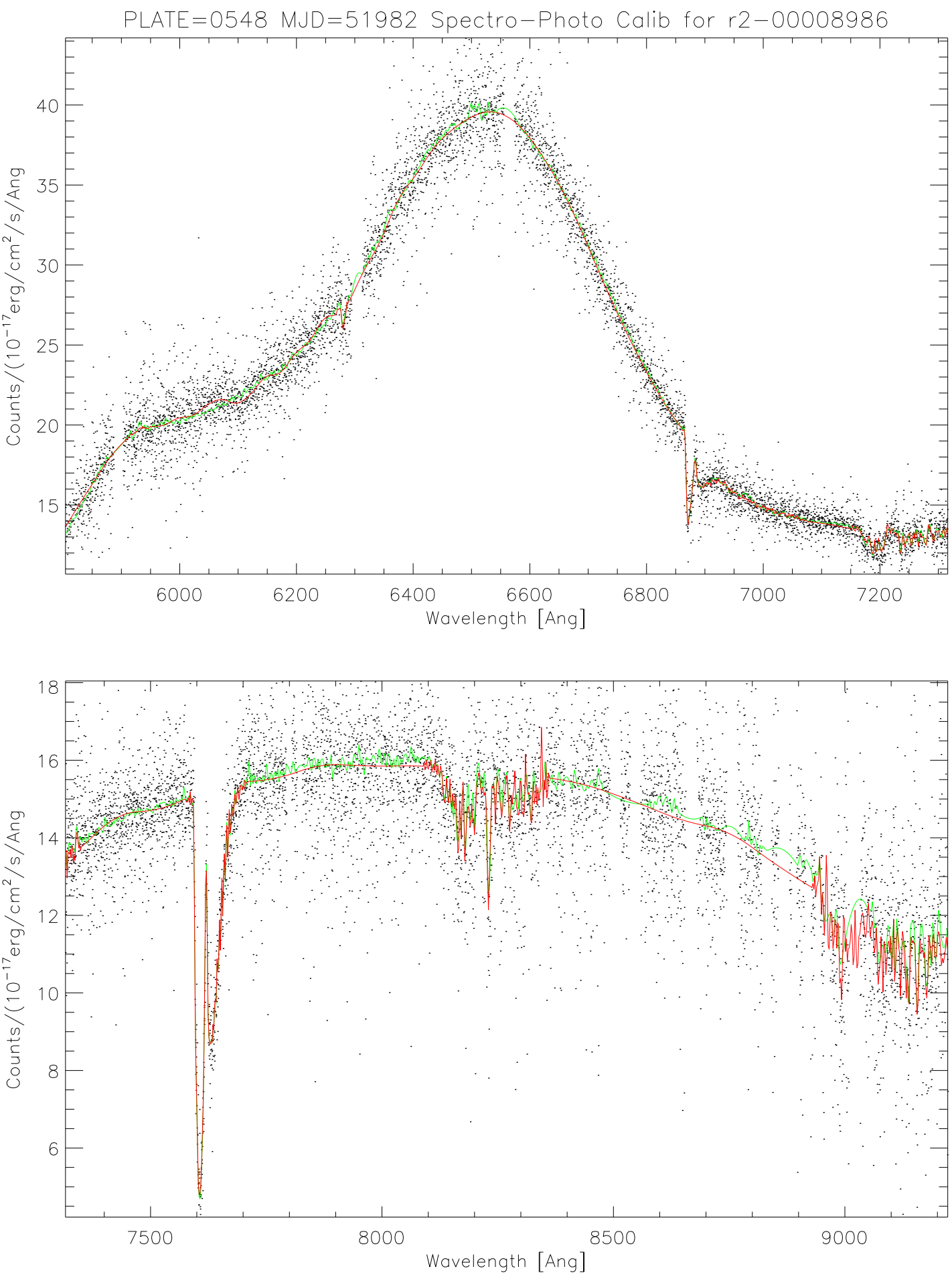
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Counts/(10^-17 erg/cm^2/s/Ang
Wavelength [Ang]
40
35
30
25
20
15
6000
6200
6400
6600
6800
7000
7200
Counts/(10^-17 erg/cm^2/s/Ang
Wavelength [Ang]
18
16
14
12
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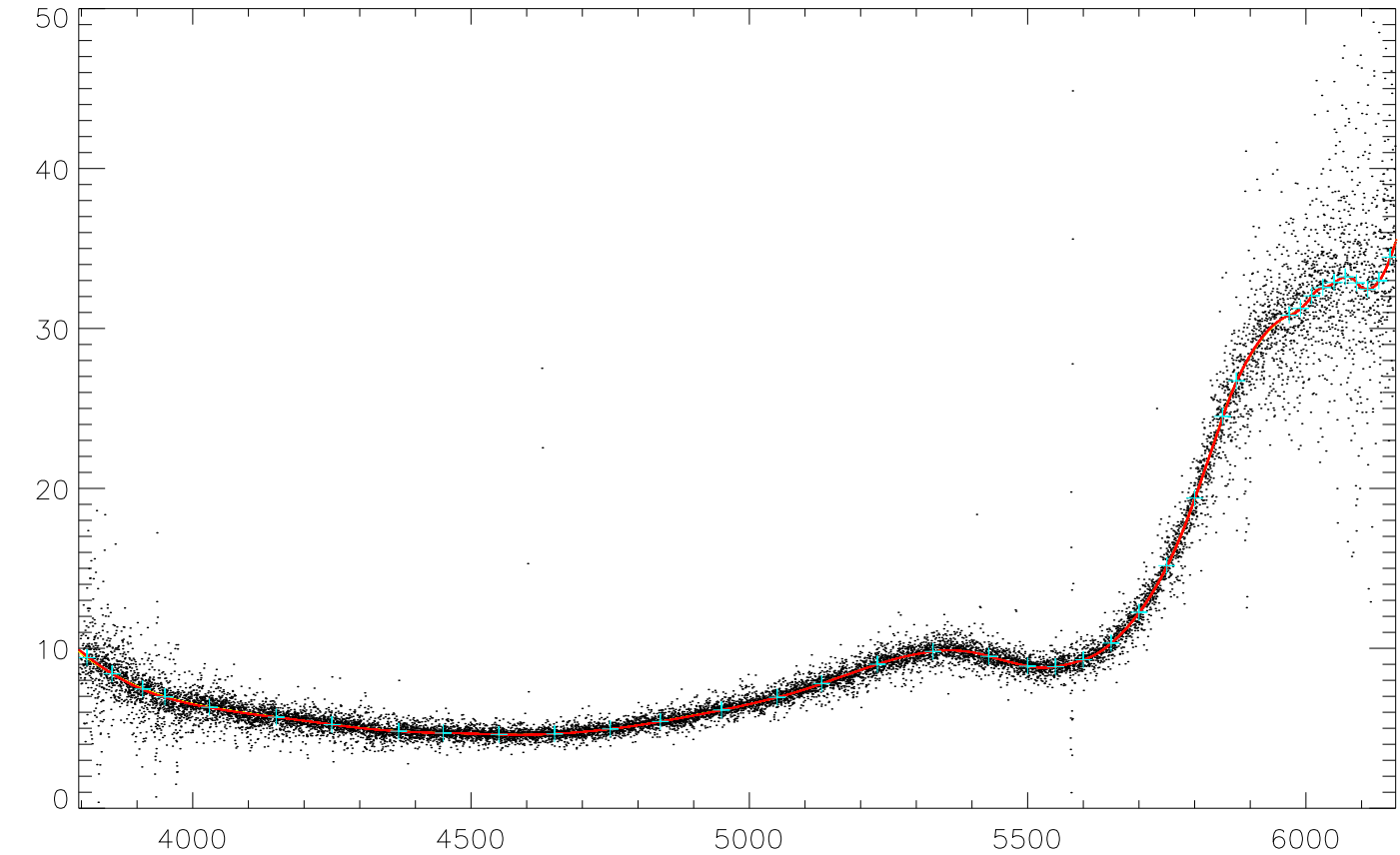
6
7500
8000
8500
9000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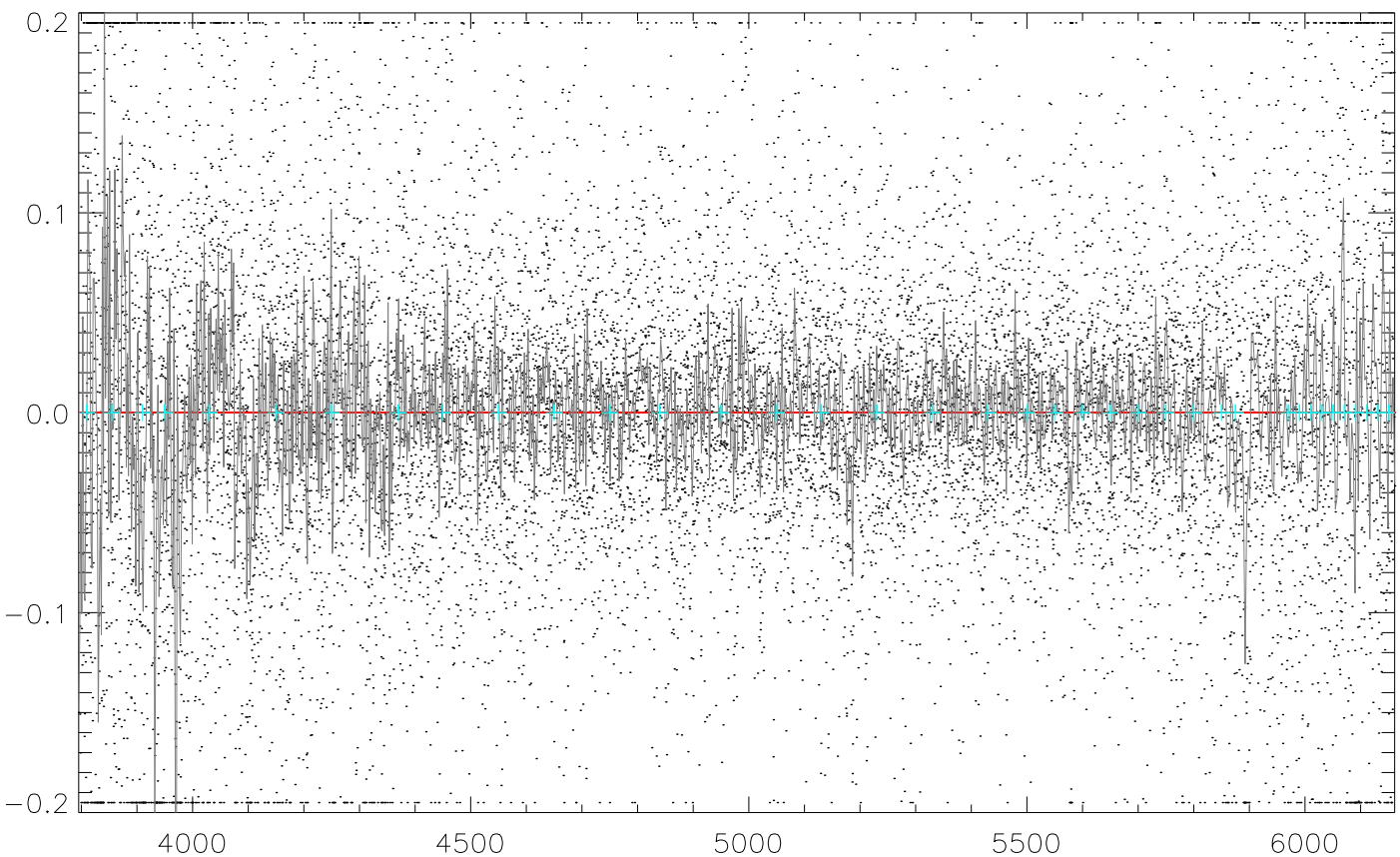
5000
5500
6000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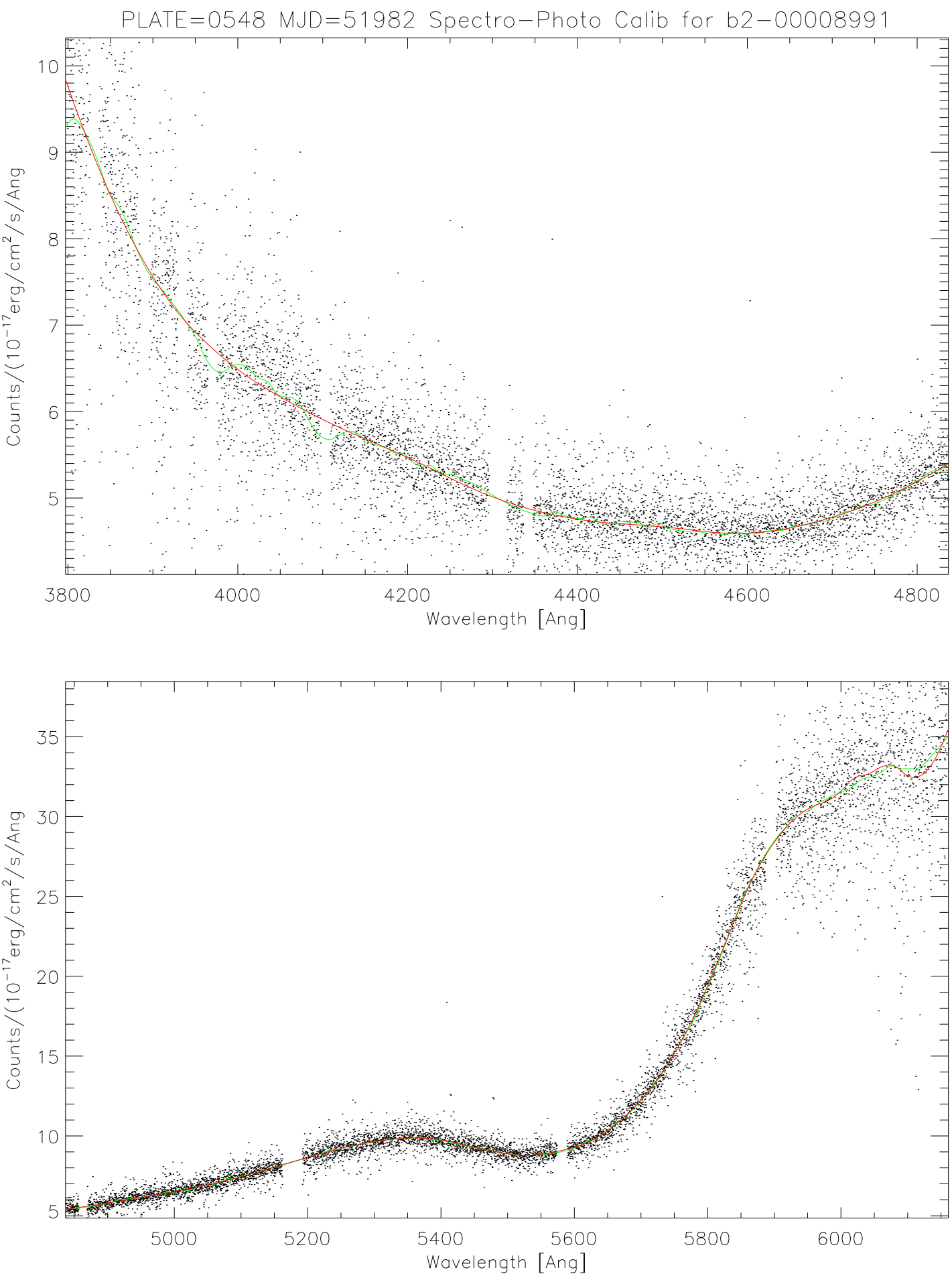
5500
6000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Wavelength [Ang]
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4000
4200
4400
4600
4800
5
6
7
8
9
10
Counts/(10^-17erg/cm^2/s/Ang
Wavelength [Ang]
5000
5200
5400
5600
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6000
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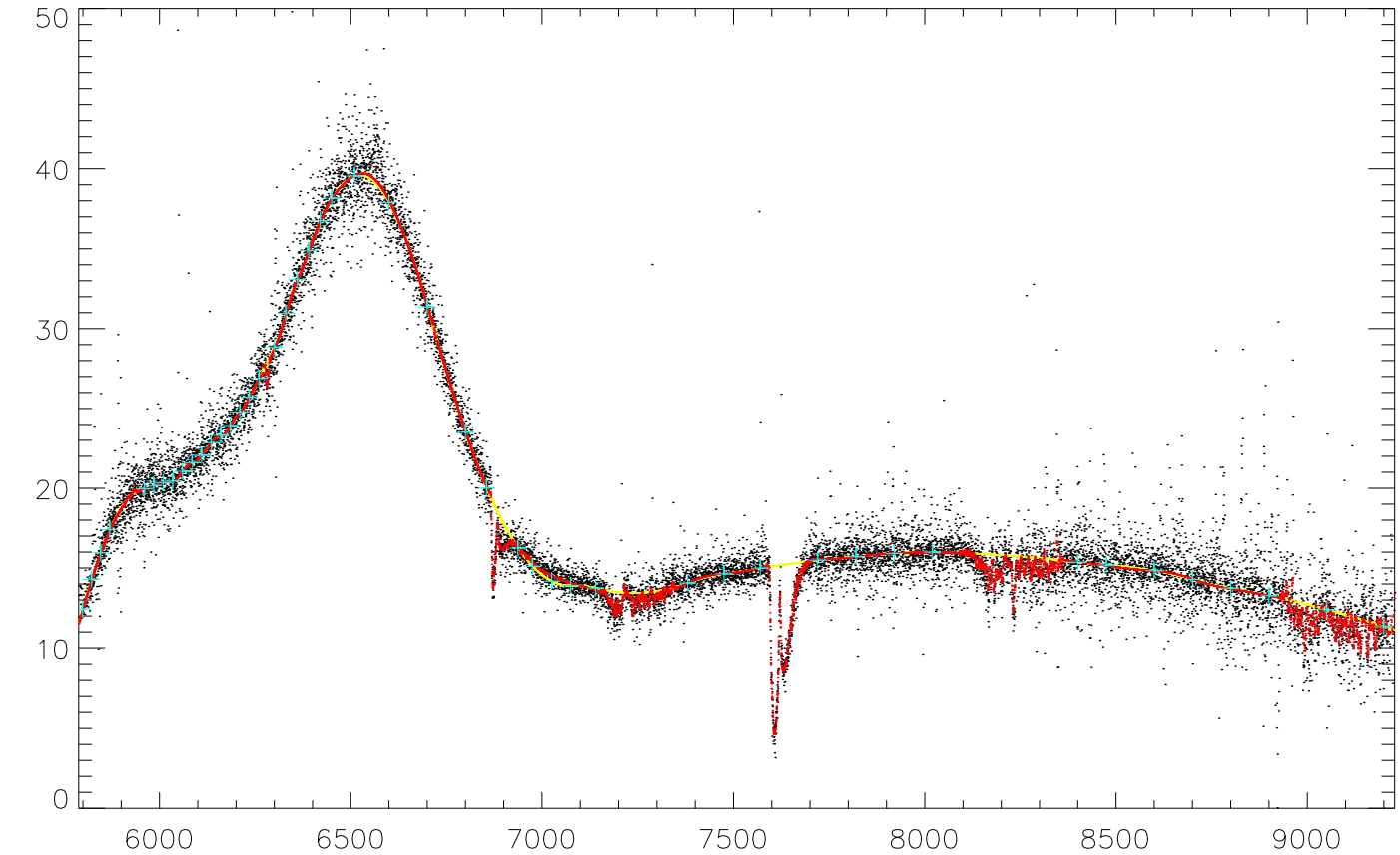
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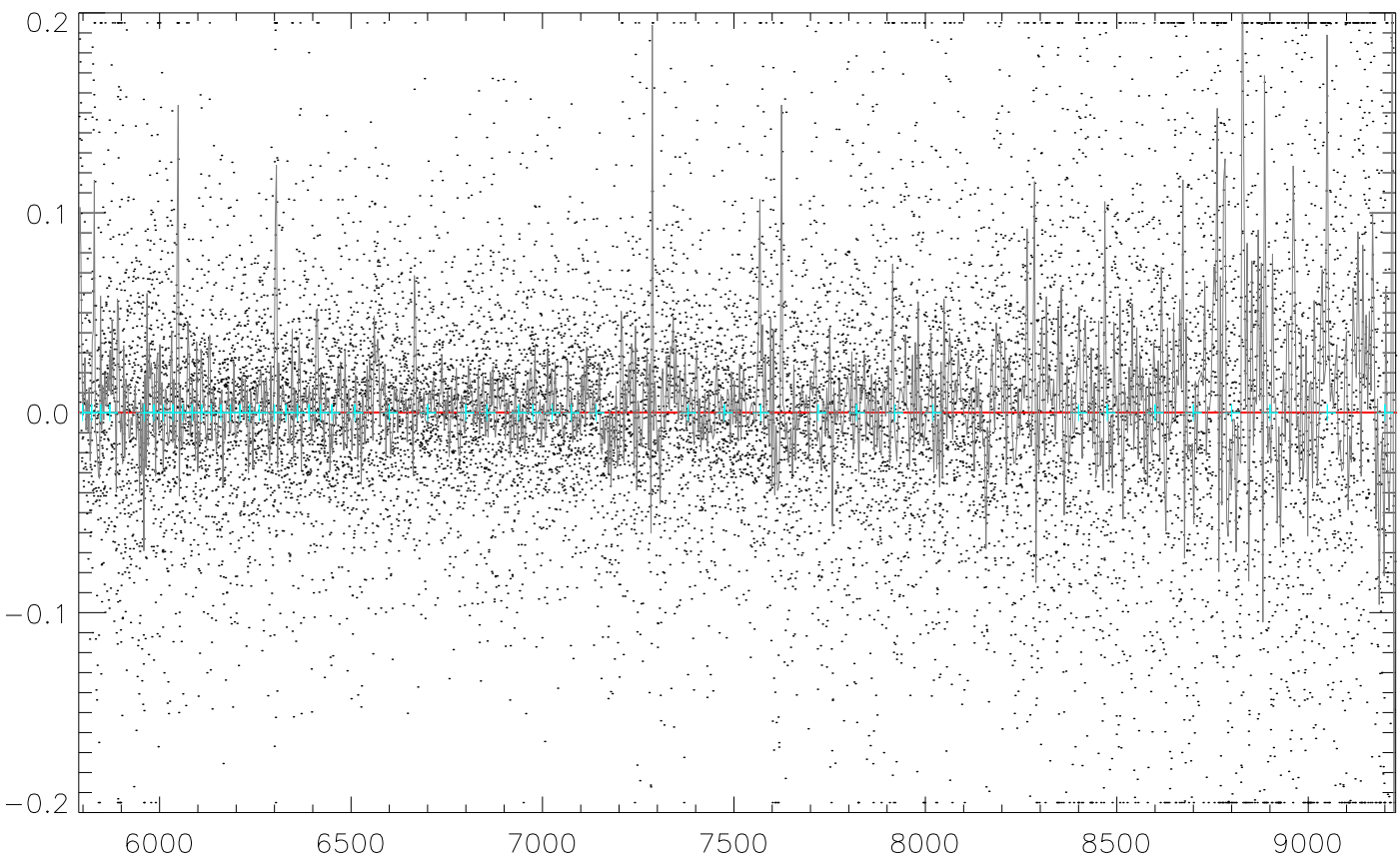
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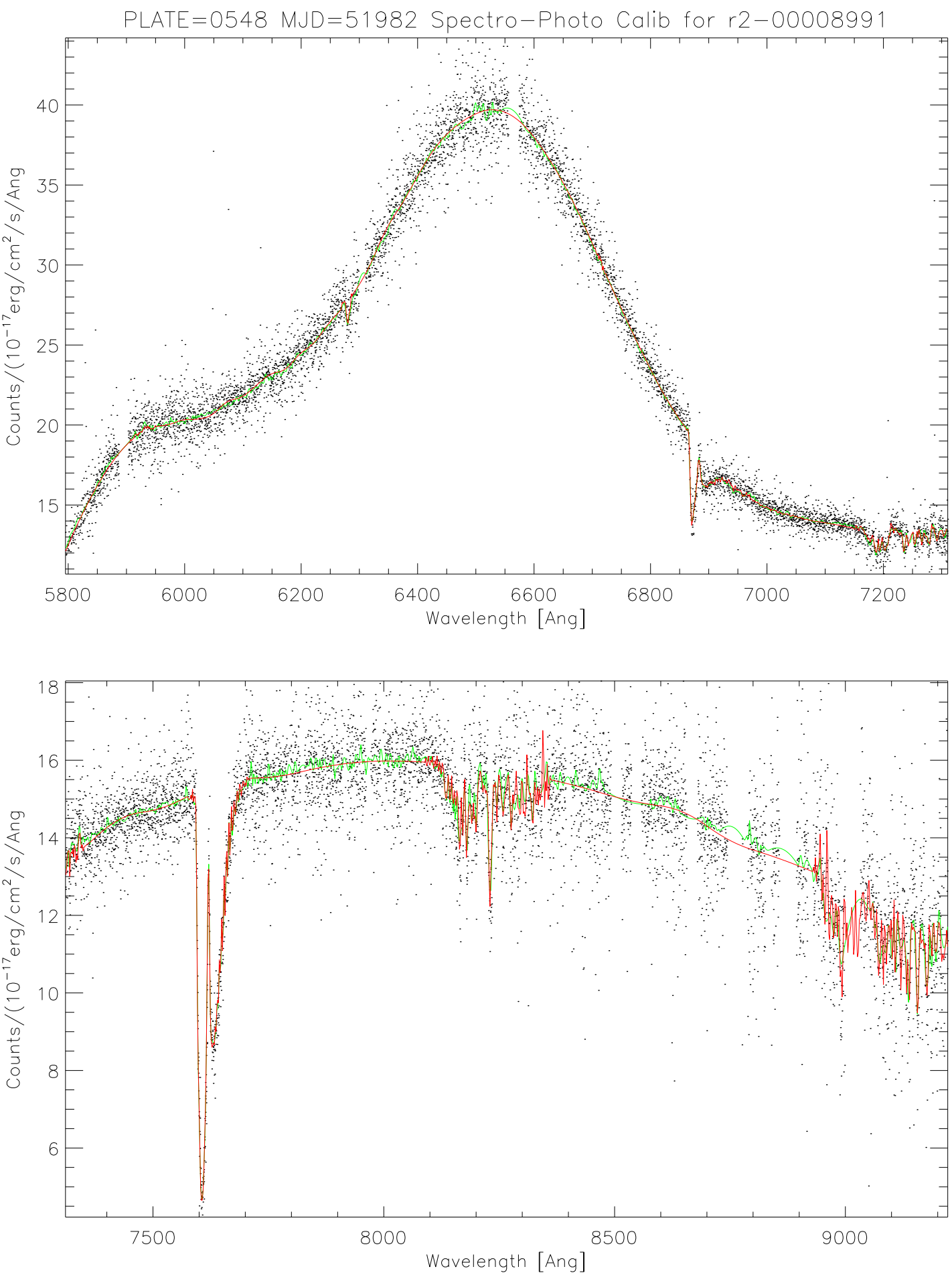
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Counts/(10^-17erg/cm^2/s/Ang
40
35
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5800
6000
6200
6400
6600
6800
7000
7200
Wavelength [Ang]
Counts/(10^-17erg/cm^2/s/Ang
18
16
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12
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7500
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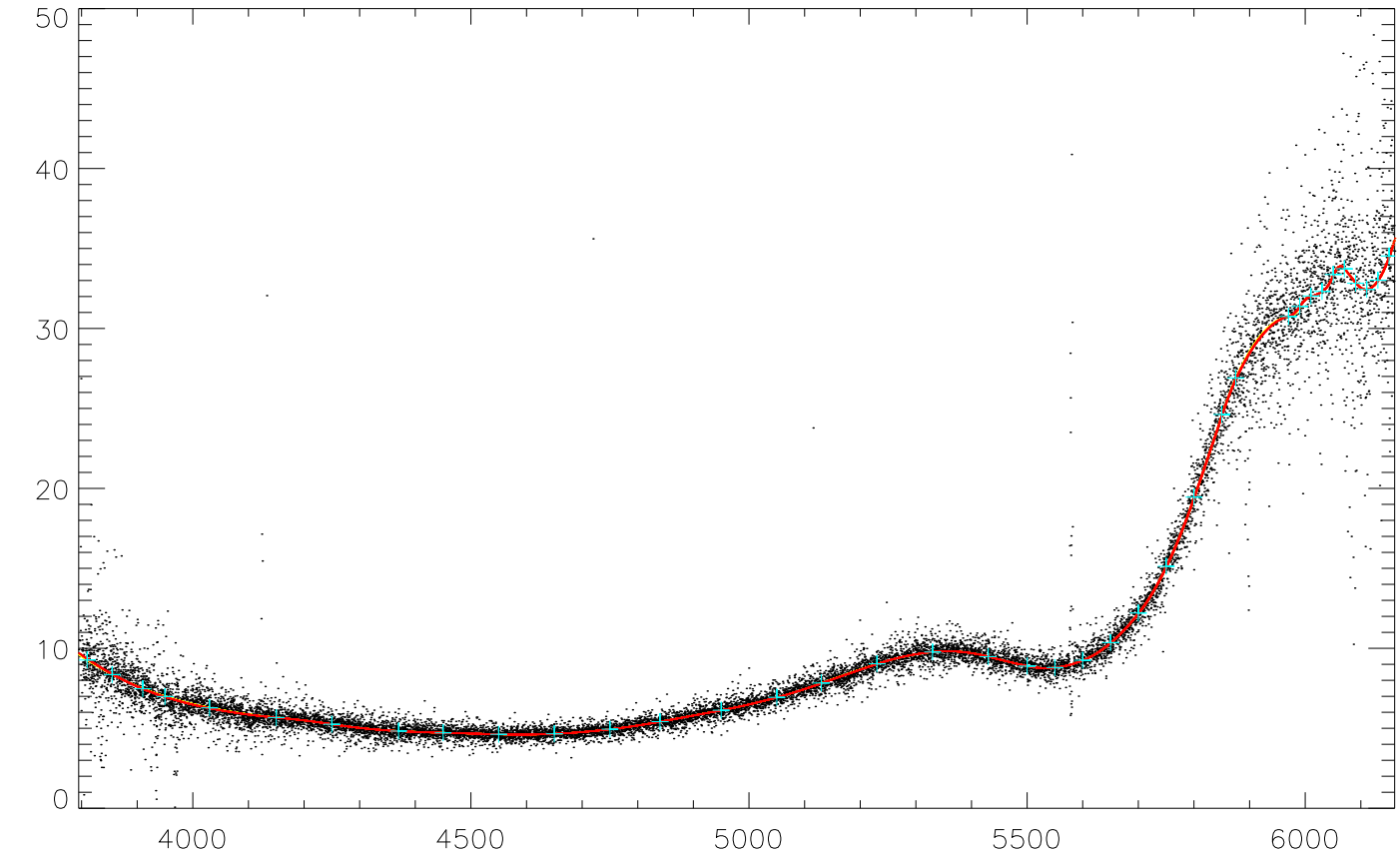
8500
9000
Wavelength [Ang]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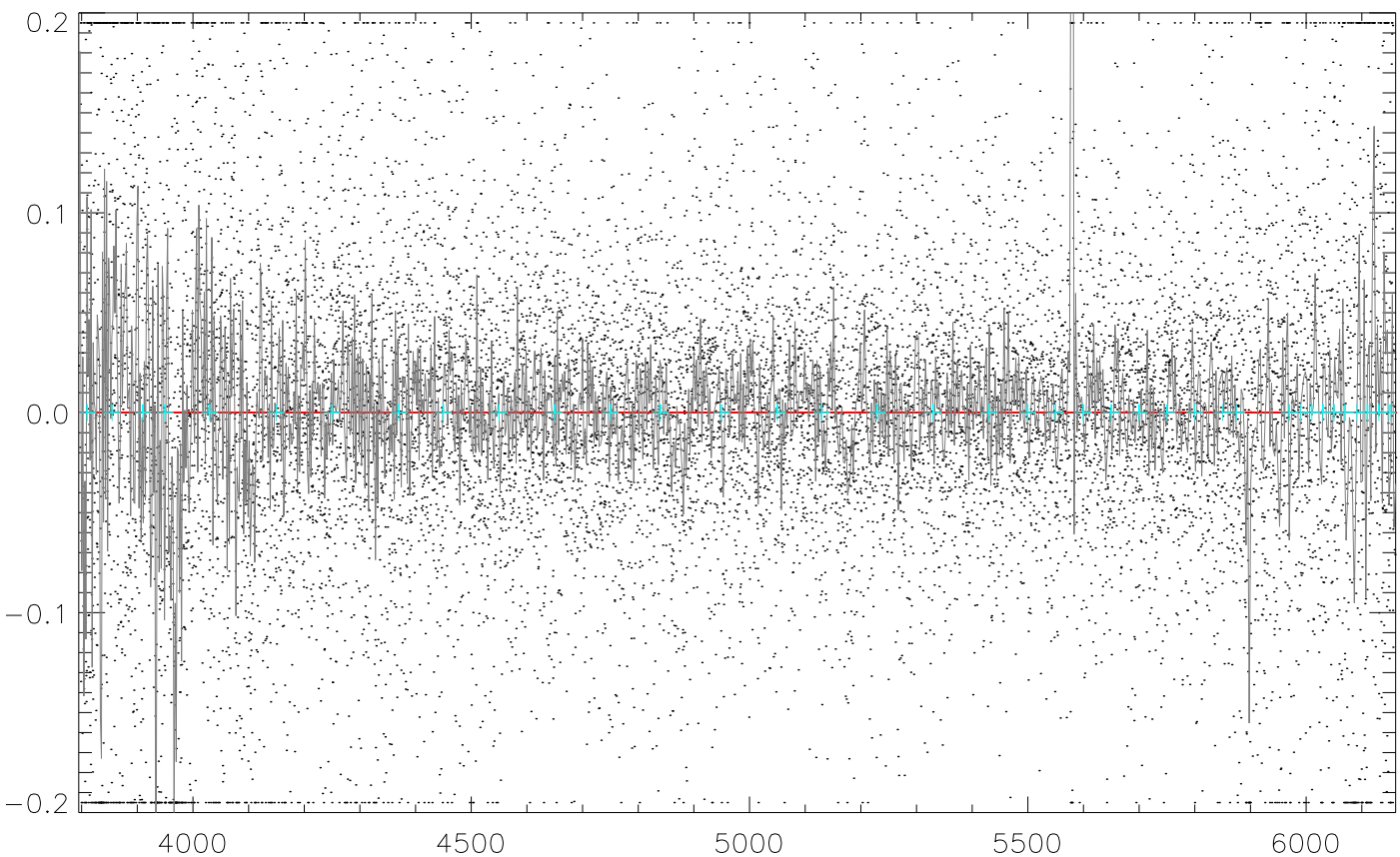
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0.0
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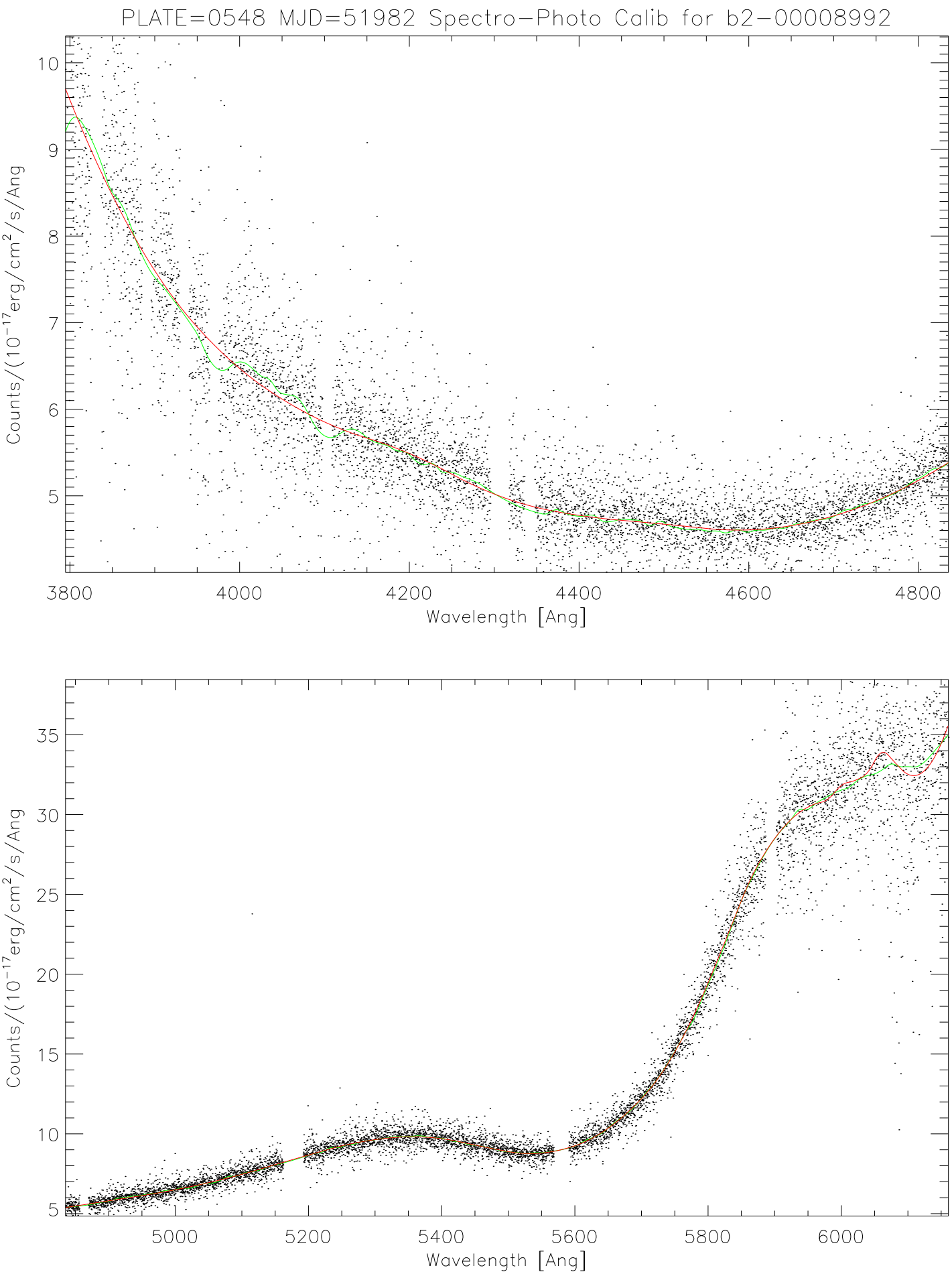
−0.2
4000
4500
5000
5500
6000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Counts/(10^-17 erg/cm^2/s/Ang
Wavelength [Ang]
3800
4000
4200
4400
4600
4800
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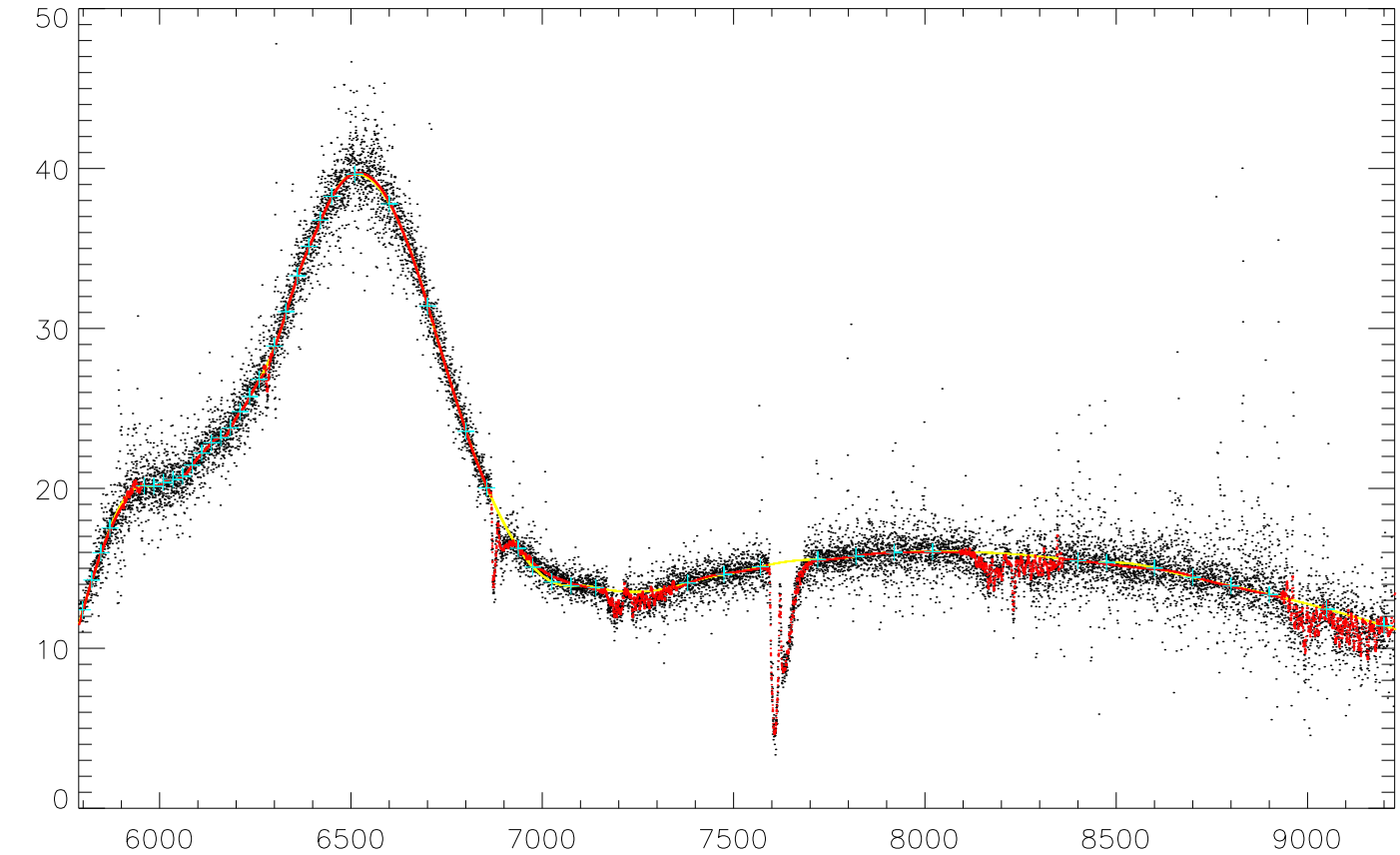
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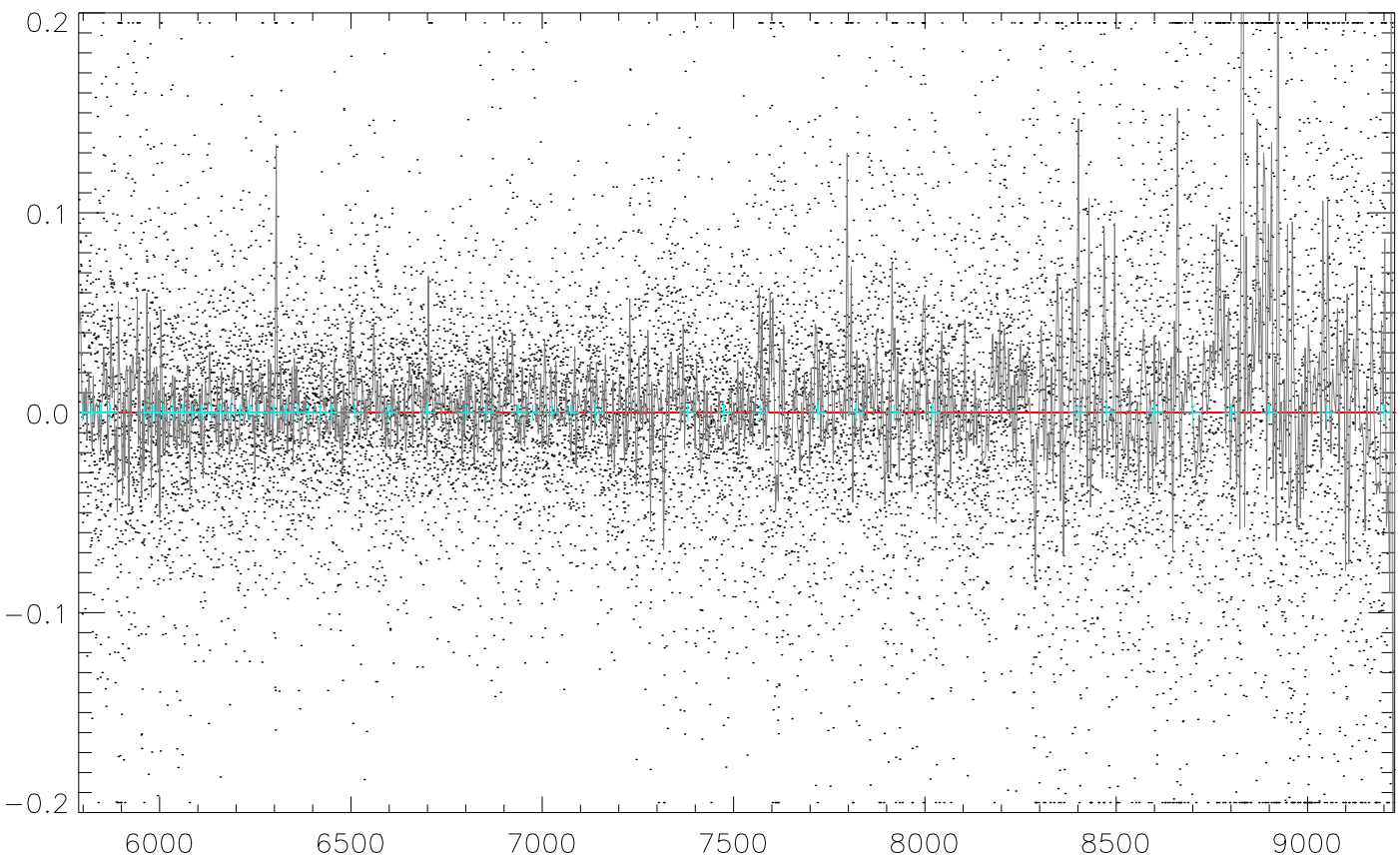
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6500
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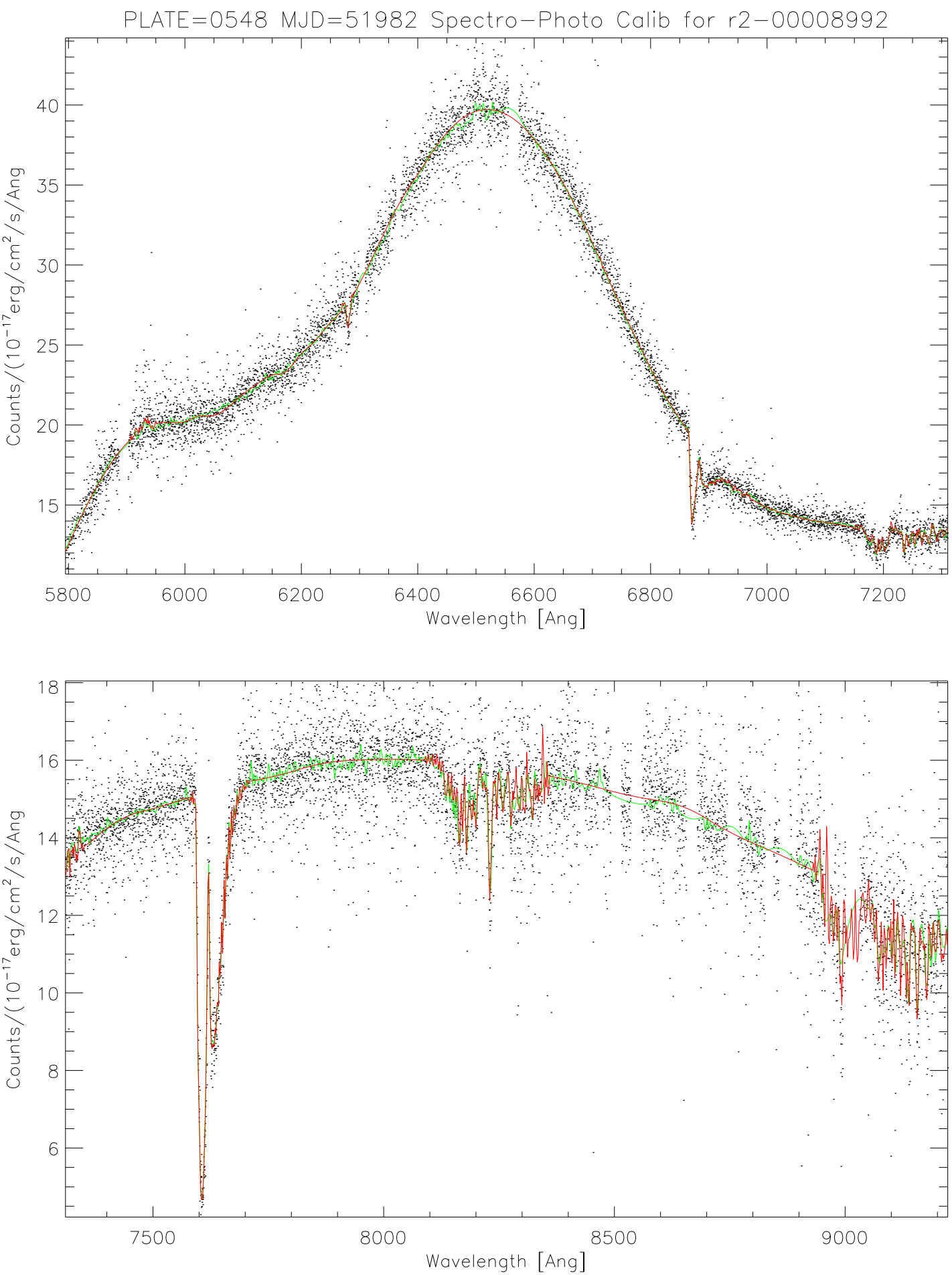
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Counts/(10^-17 erg/cm^2/s/Ang
Wavelength [Ang]
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6000
6200
6400
6600
6800
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7500
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9000
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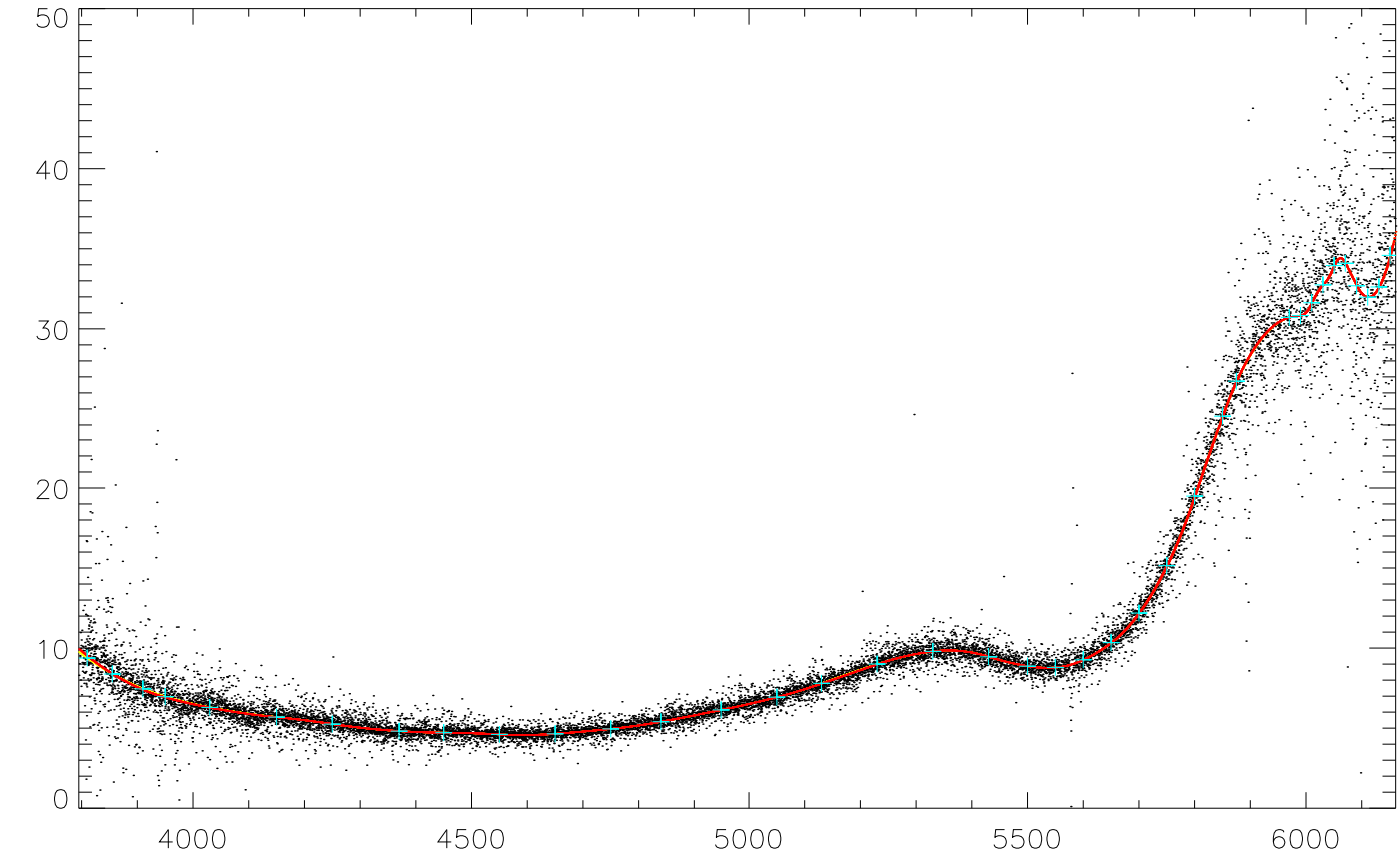
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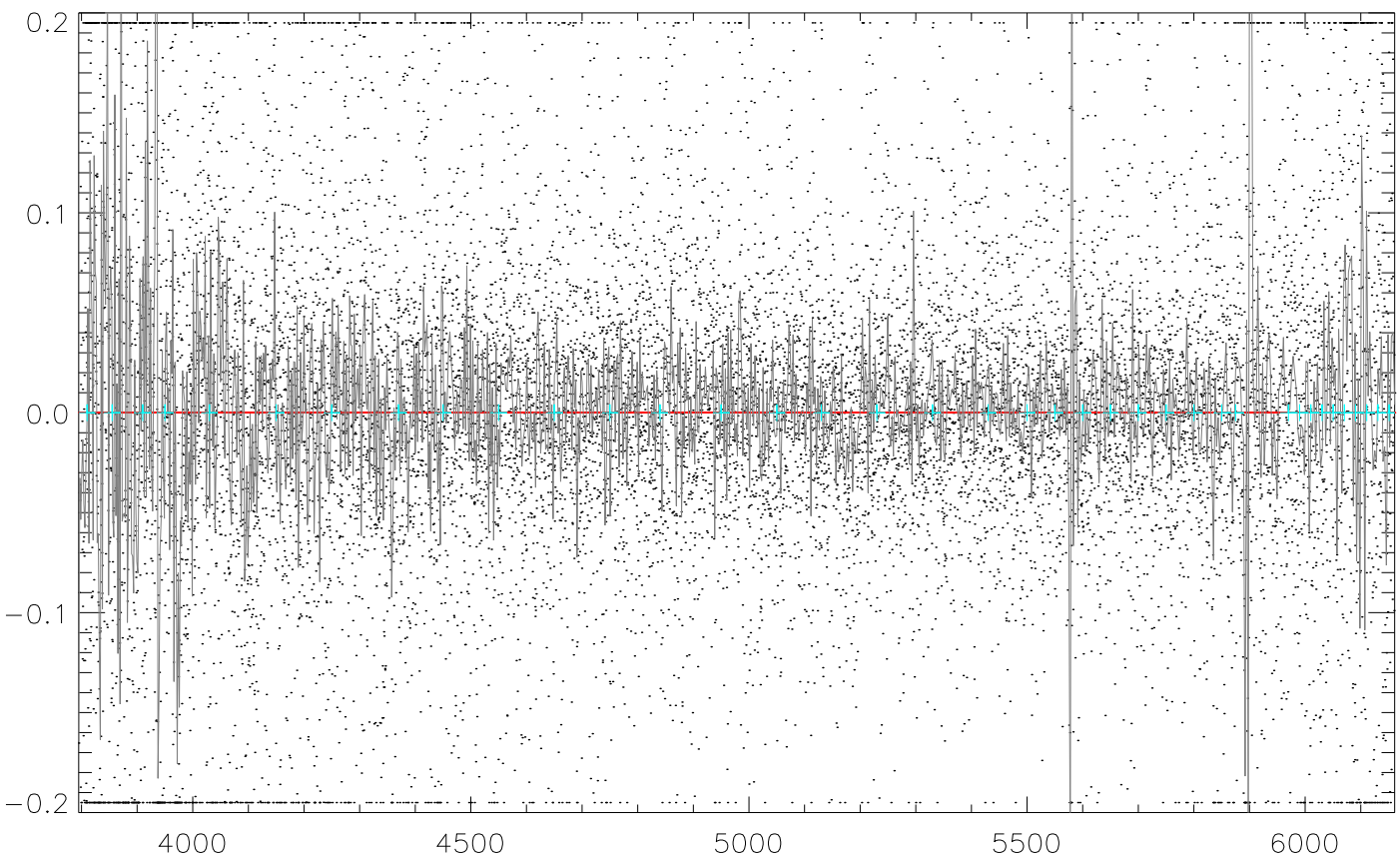
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−0.2
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4500
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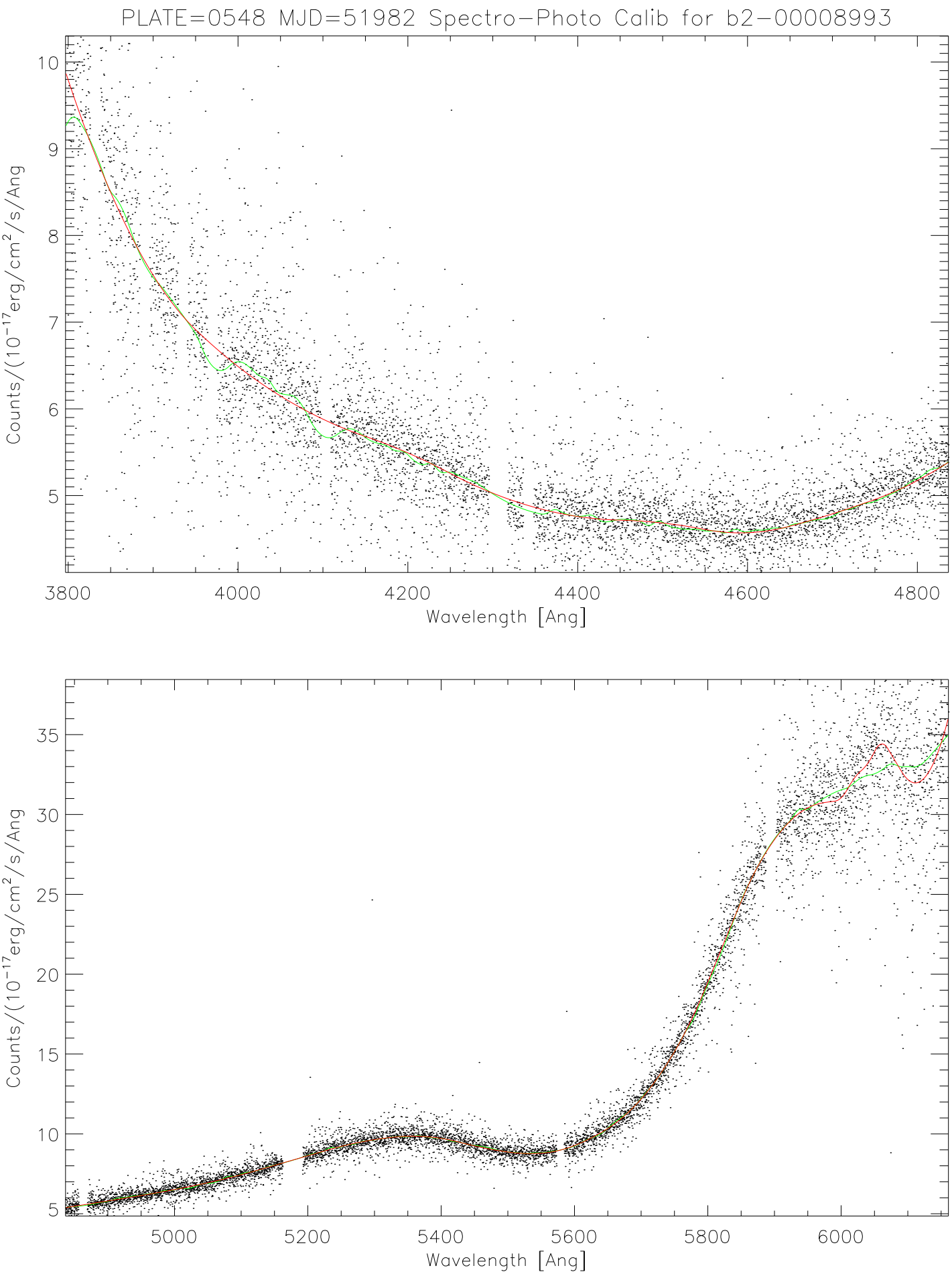
5500
6000


PLATE=0548 MJD=51982 Spectro−Photo Calib for b2−00008993
Counts/(10^-17 erg/cm^2/s/Ang
Wavelength [Ang]
3800
4000
4200
4400
4600
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10
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20
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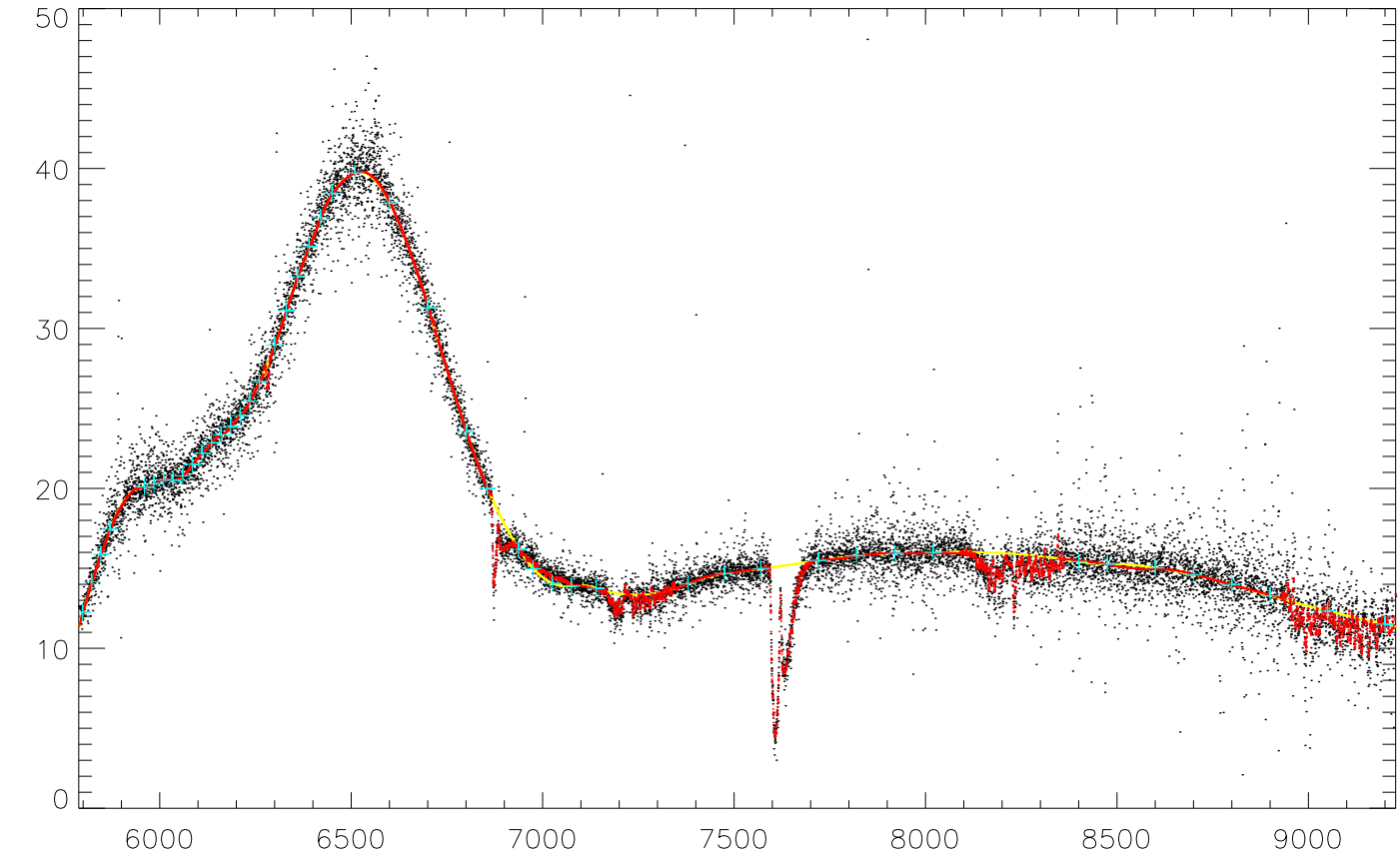
30
35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8500
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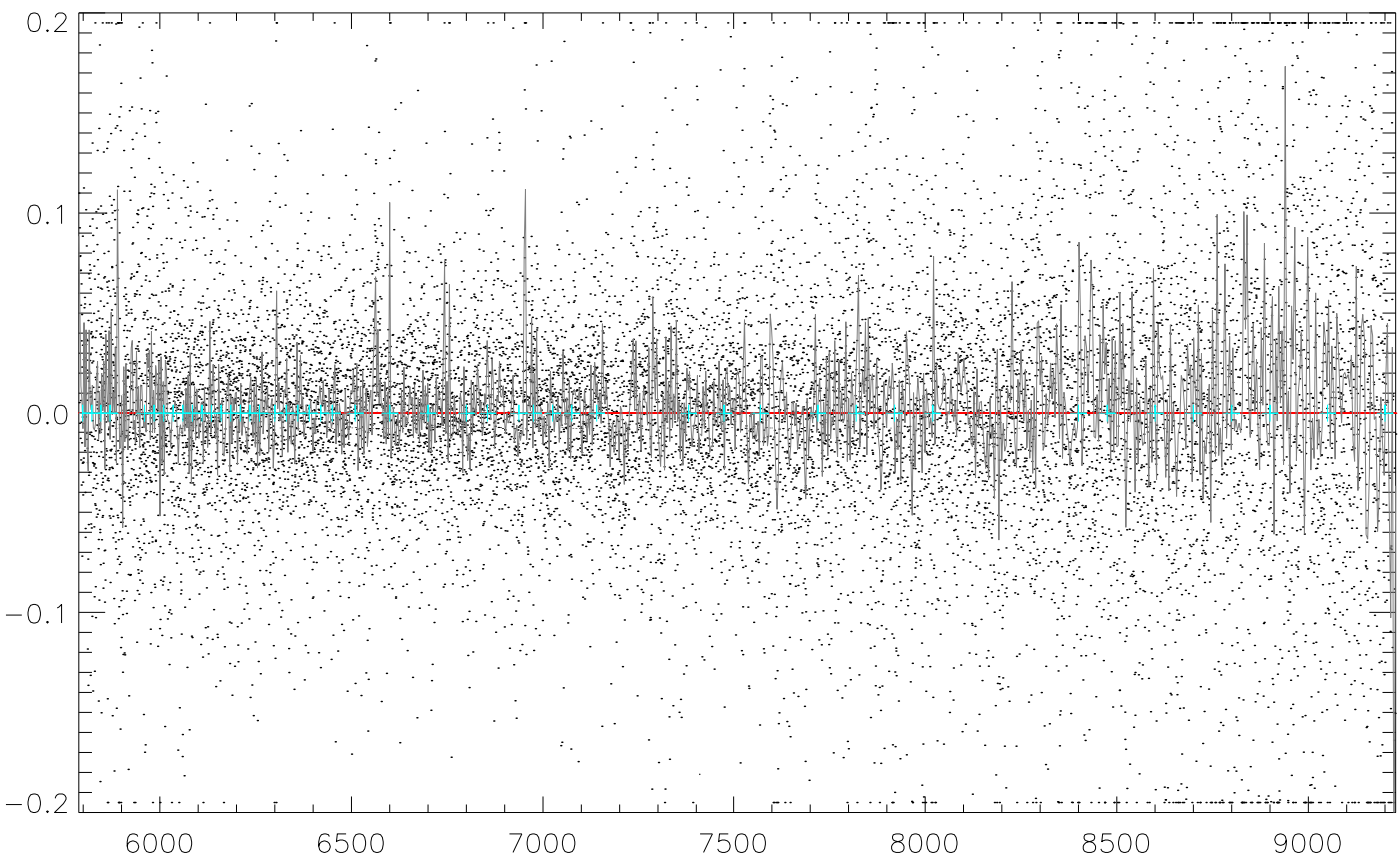
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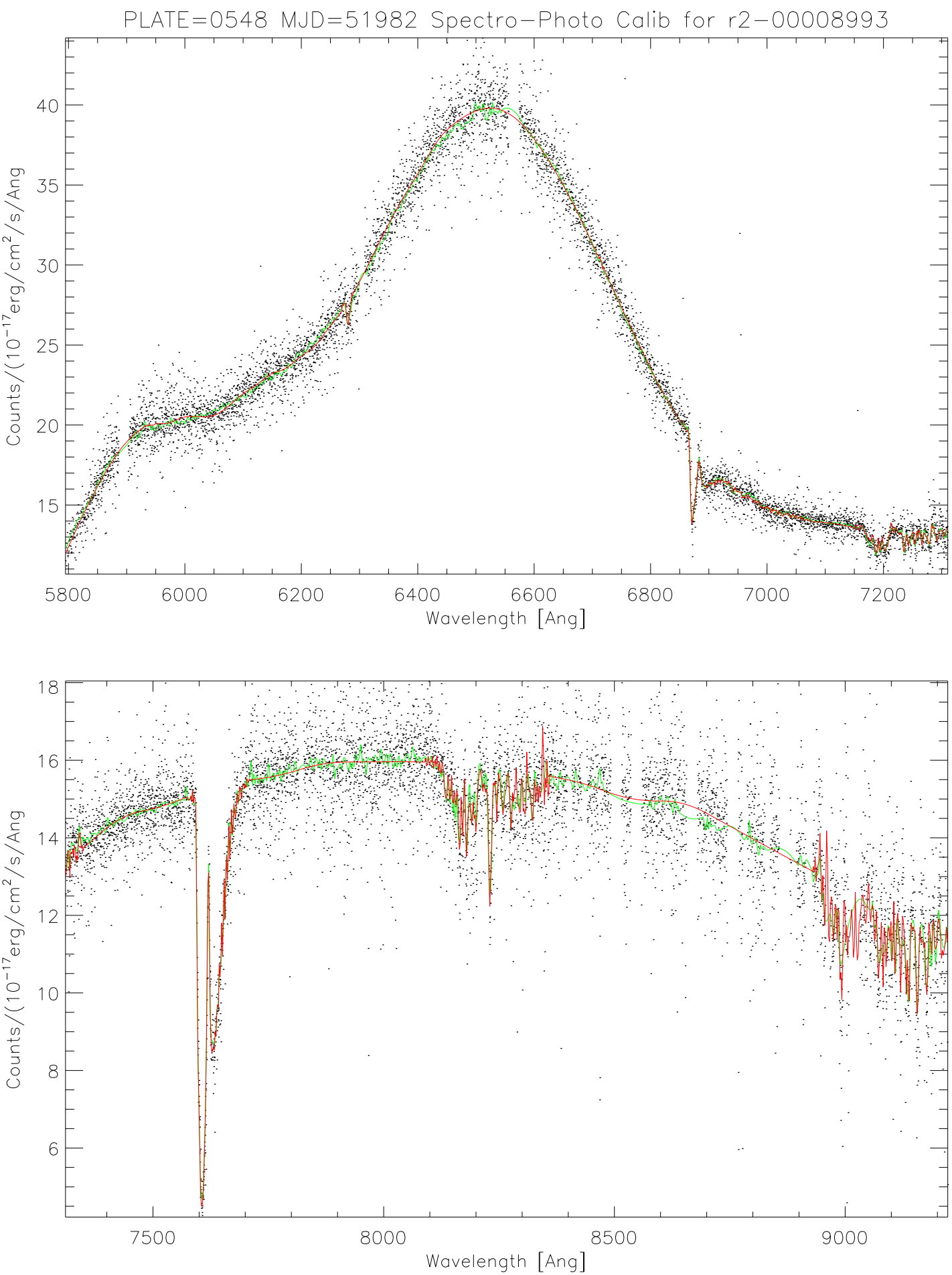
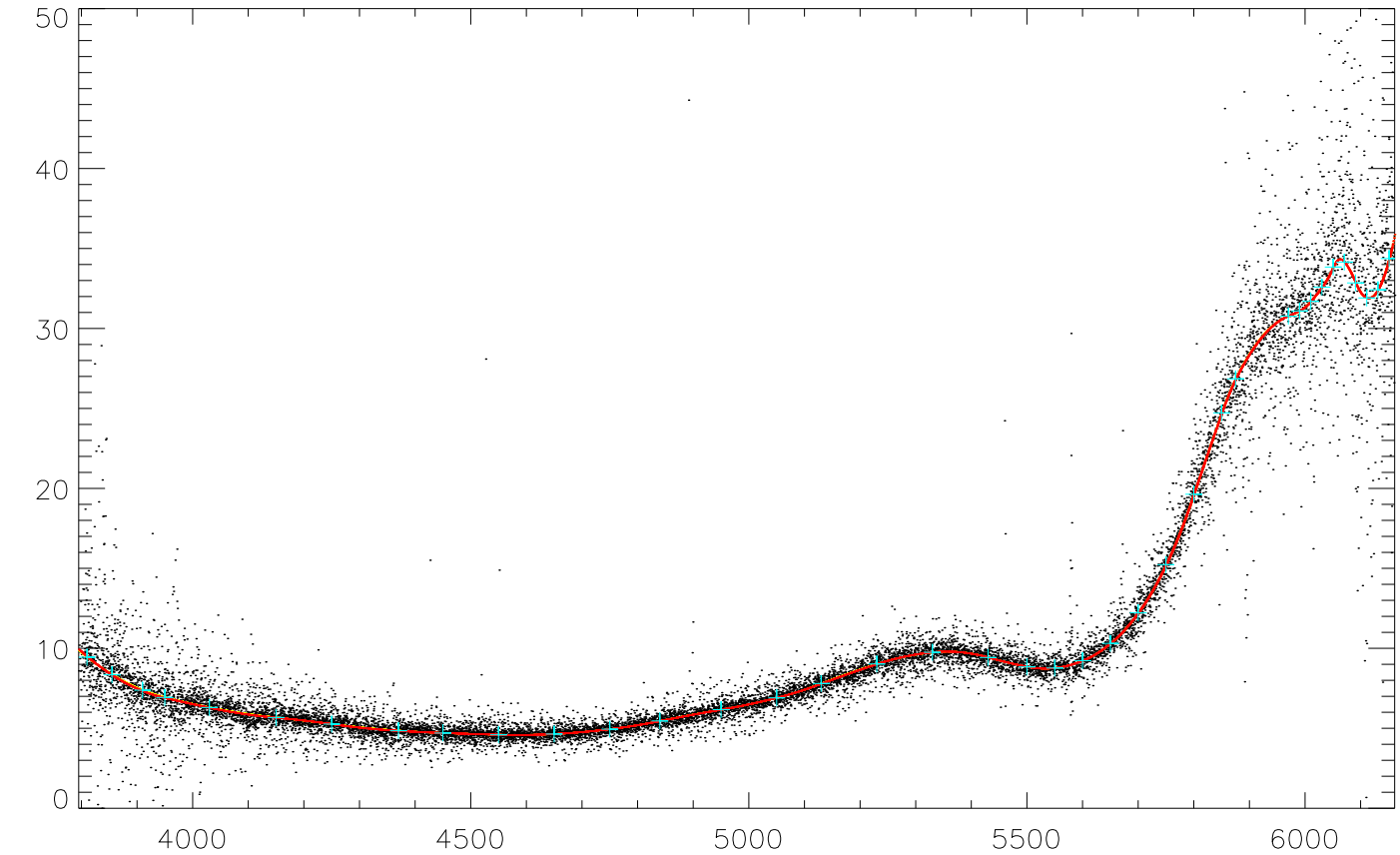
−0.2
6000
6500
7000
7500
8000
8500
9000


PLATE=0548 MJD=51982 Spectro−Photo Calib for r2−00008993
Counts/(10^-17erg/cm^2/s/Ang
Wavelength [Ang]
5800
6000
6200
6400
6600
6800
7000
7200
15
20
25
30
35
40
Counts/(10^-17erg/cm^2/s/Ang
Wavelength [Ang]
7500
8000
8500
9000
6
8
10
12
14
16
18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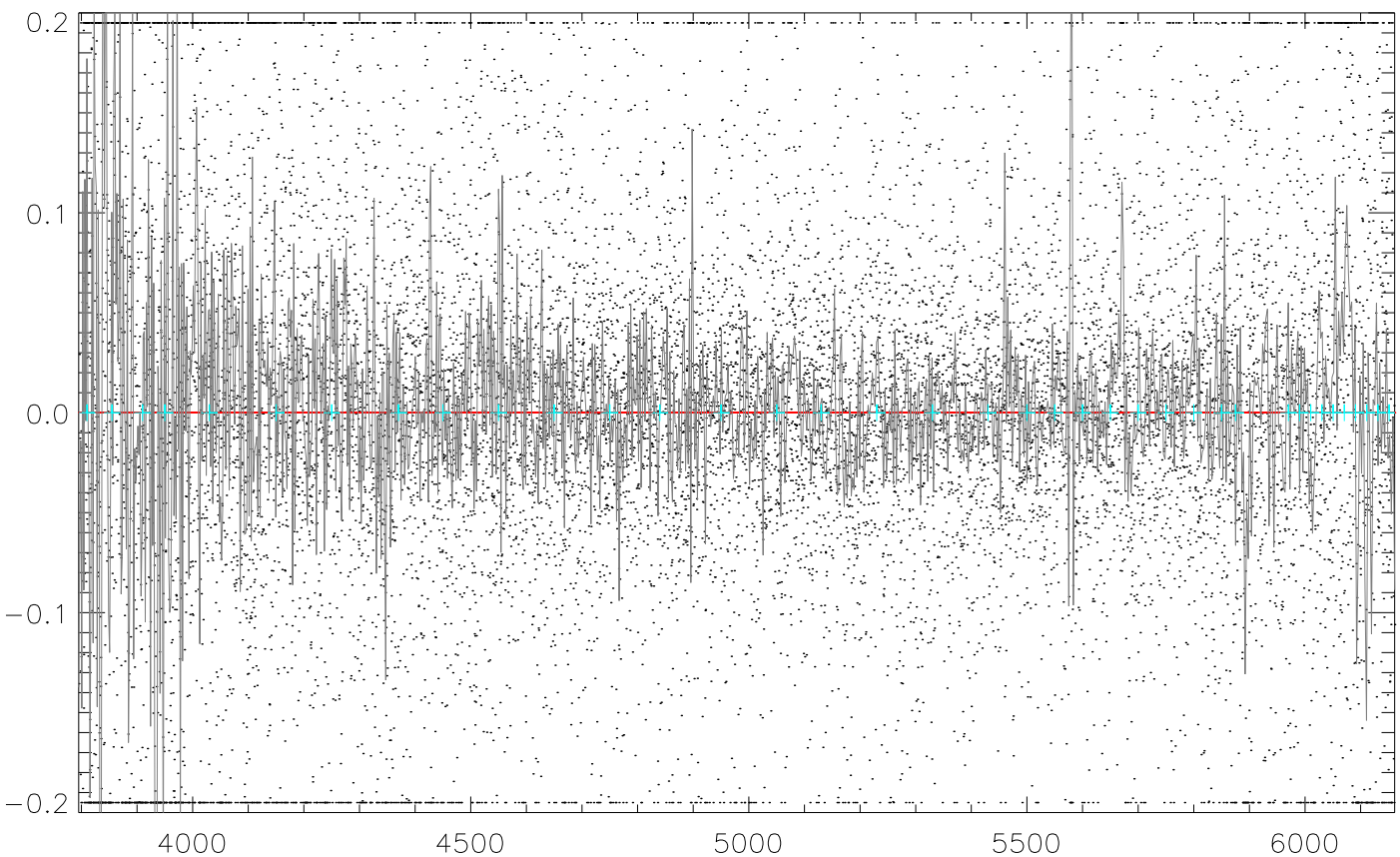
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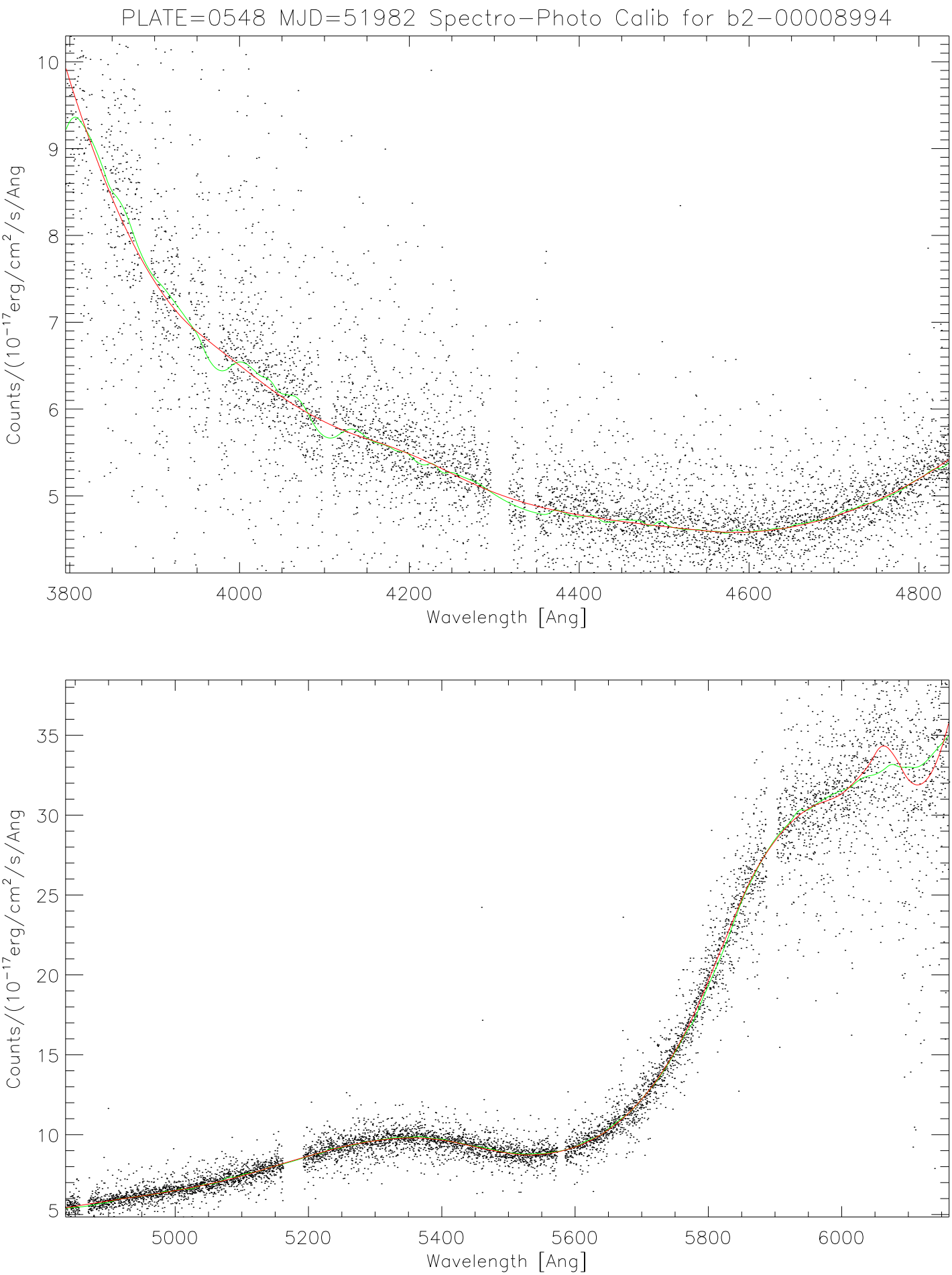
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Counts/(10^-17erg/cm^2/s/Ang
Wavelength [Ang]
3800
4000
4200
4400
4600
4800
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6
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8
9
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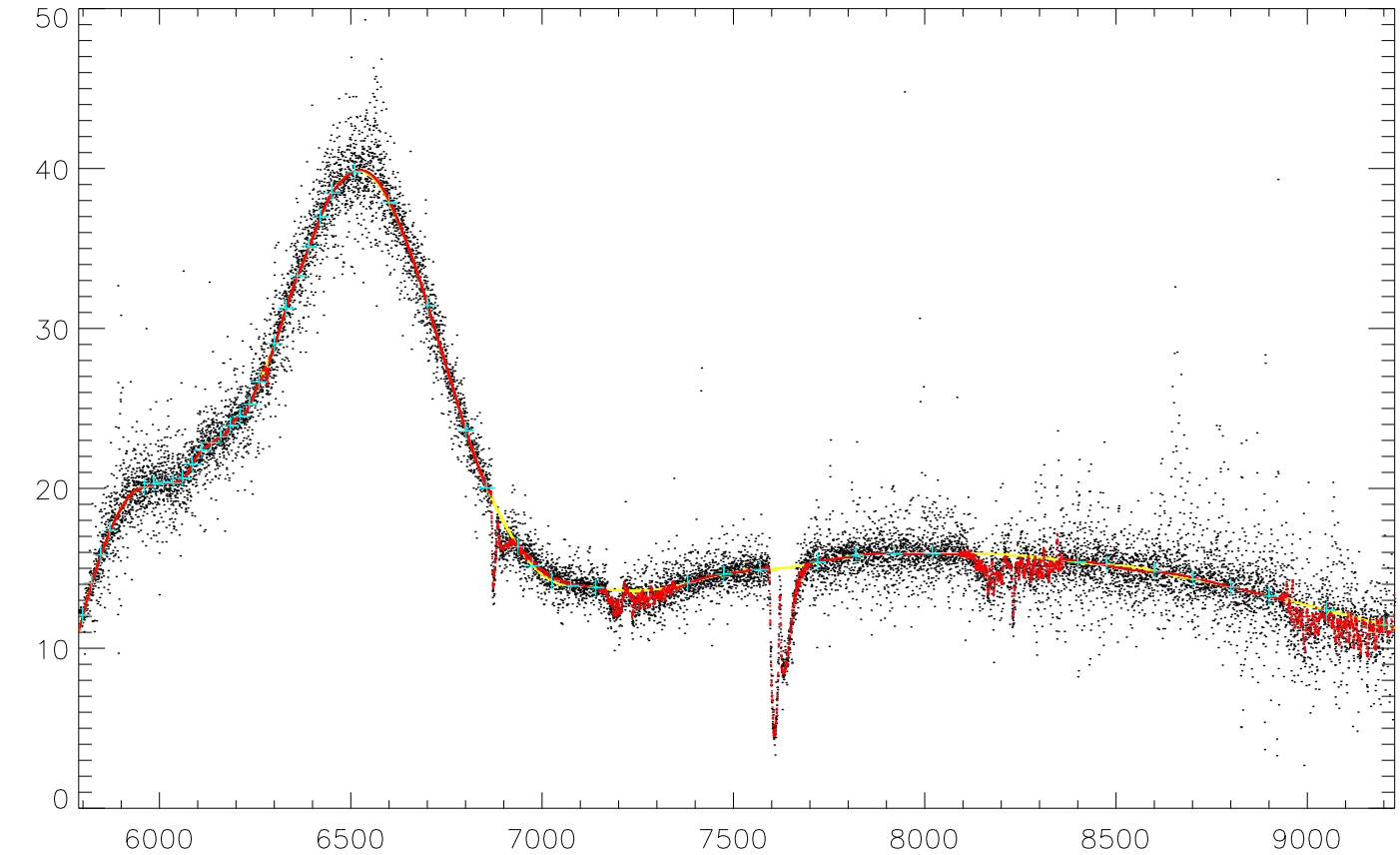
5200
5400
5600
5800
6000
10
15
20
25
30
35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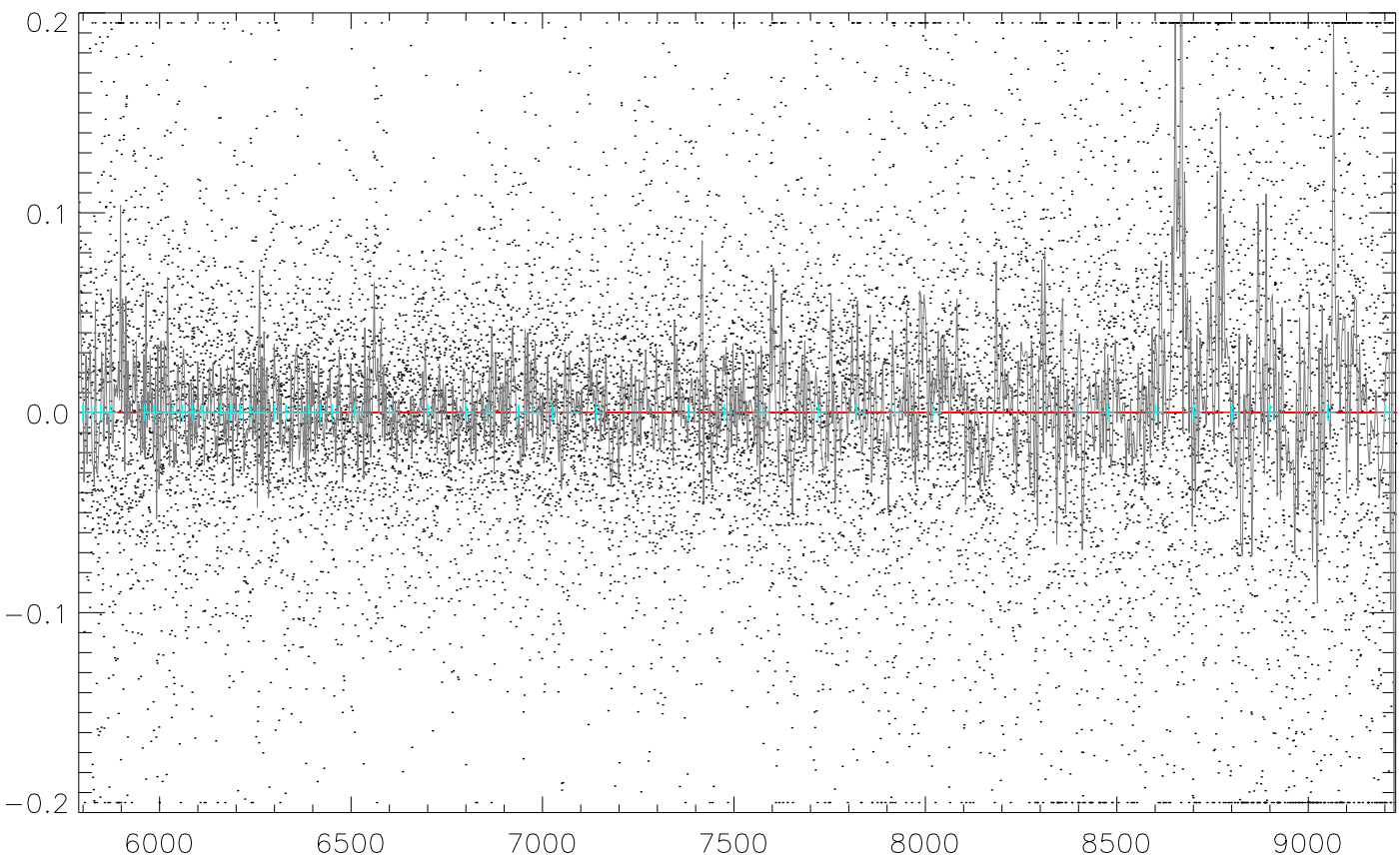
20
10
0
6000
6500
7000
7500
8000
8500
9000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0.1
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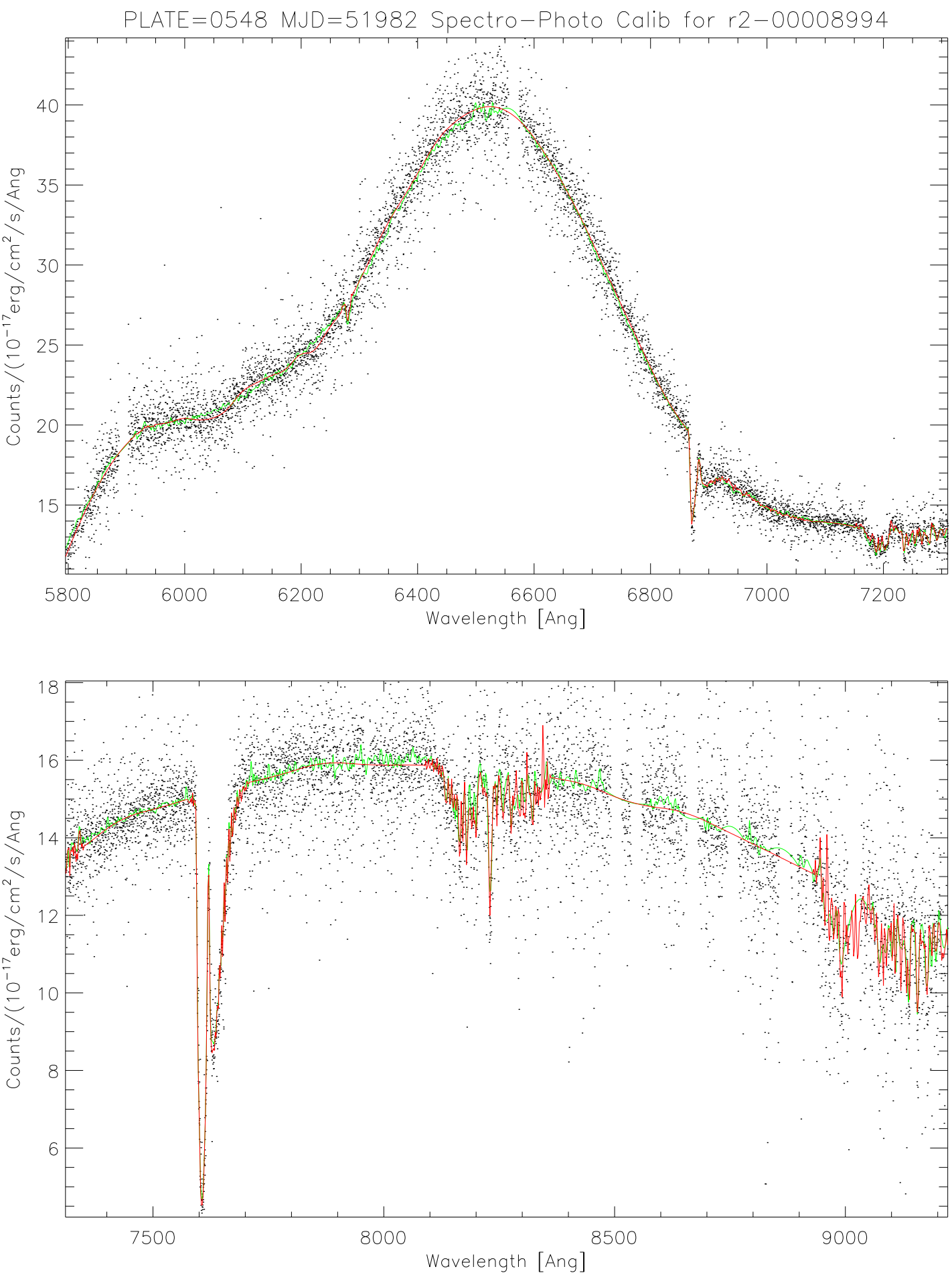
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Counts/(10^-17 erg/cm^2/s/Ang
Wavelength [Ang]
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6000
6200
6400
6600
6800
7000
7200
15
20
25
30
35
40
7500
8000
8500
9000
6
8
10
12
14
16
18