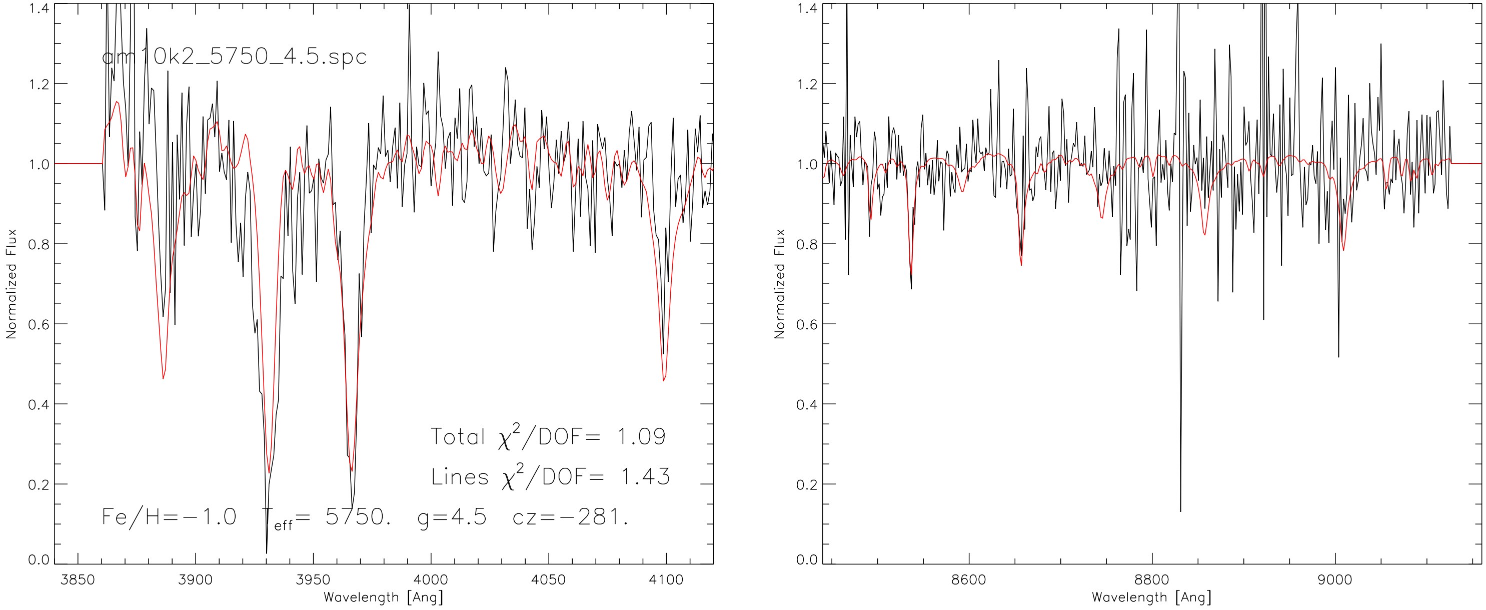
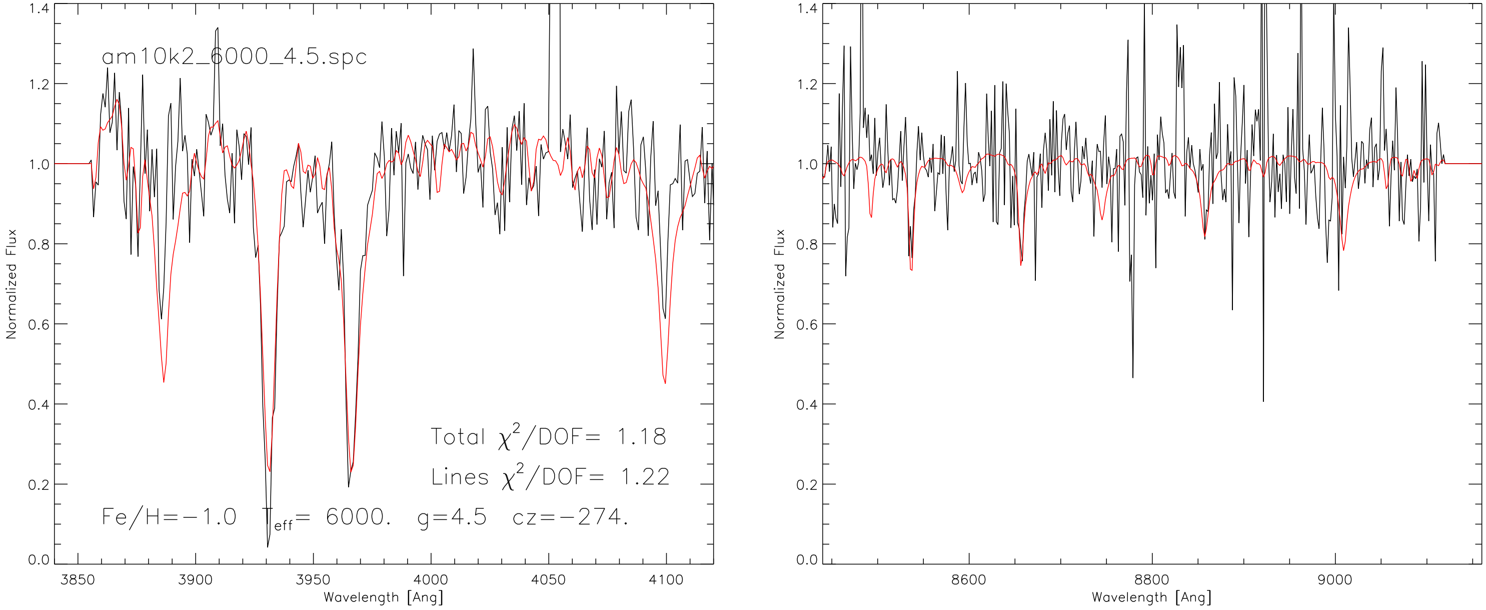
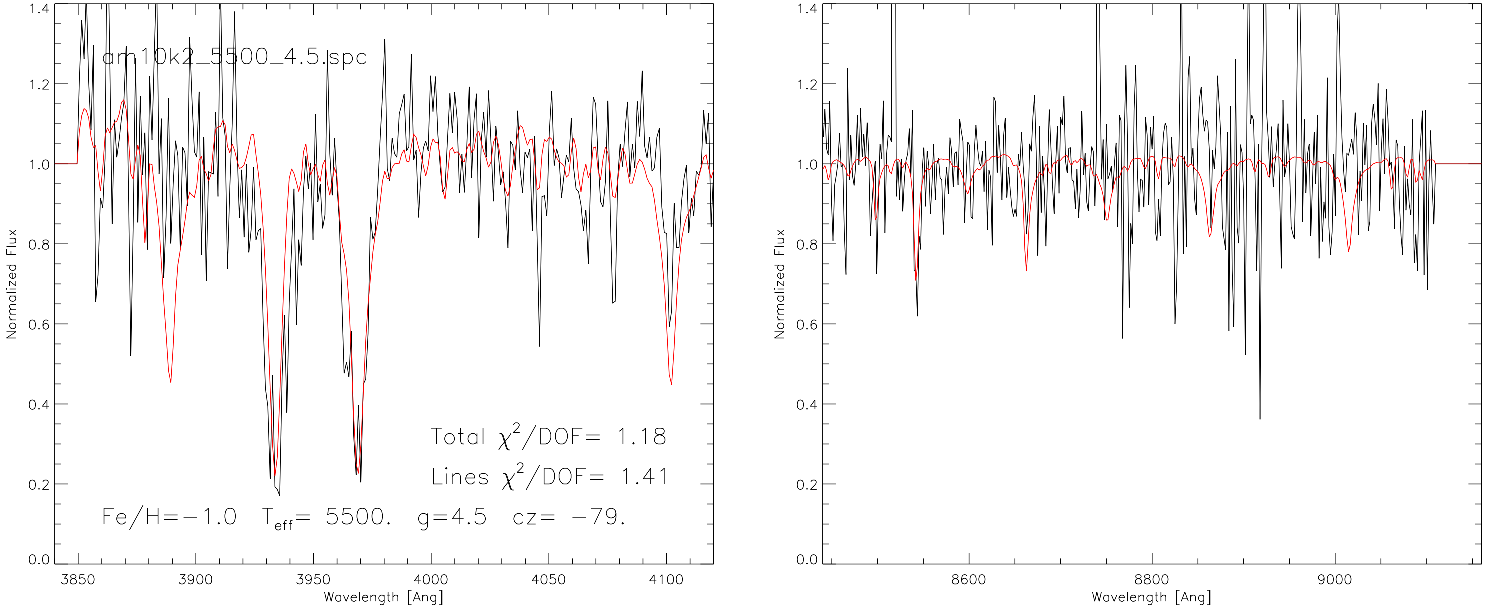
PLATE=1143 MJD=52586 Spectro−Photo Star Fiber 39

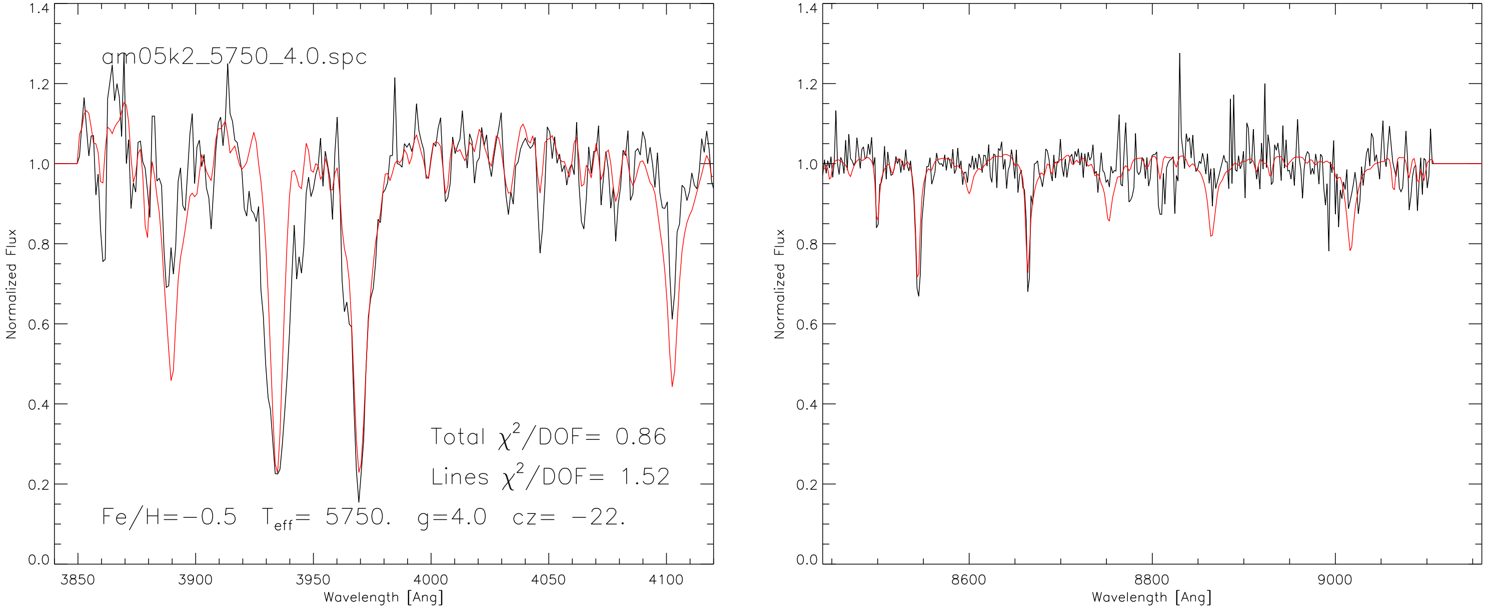


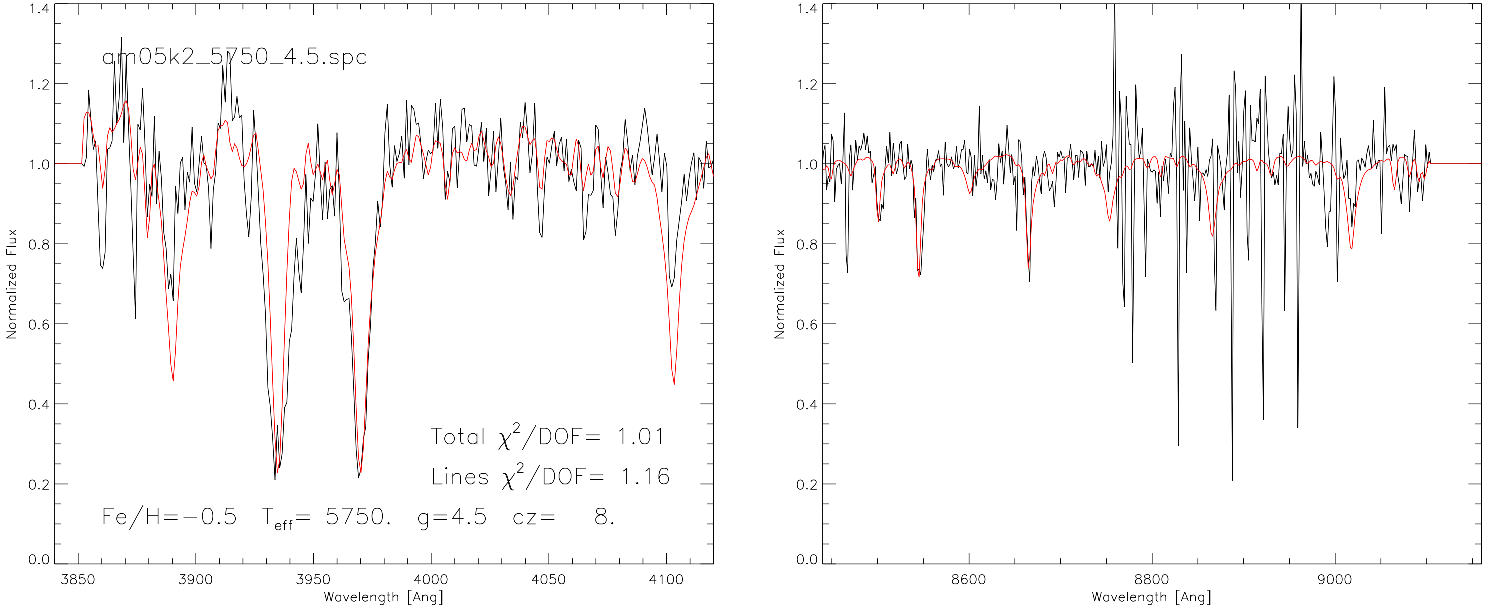
PLATE=1143 MJD=52586 Spectro−Photo Star Fiber 70

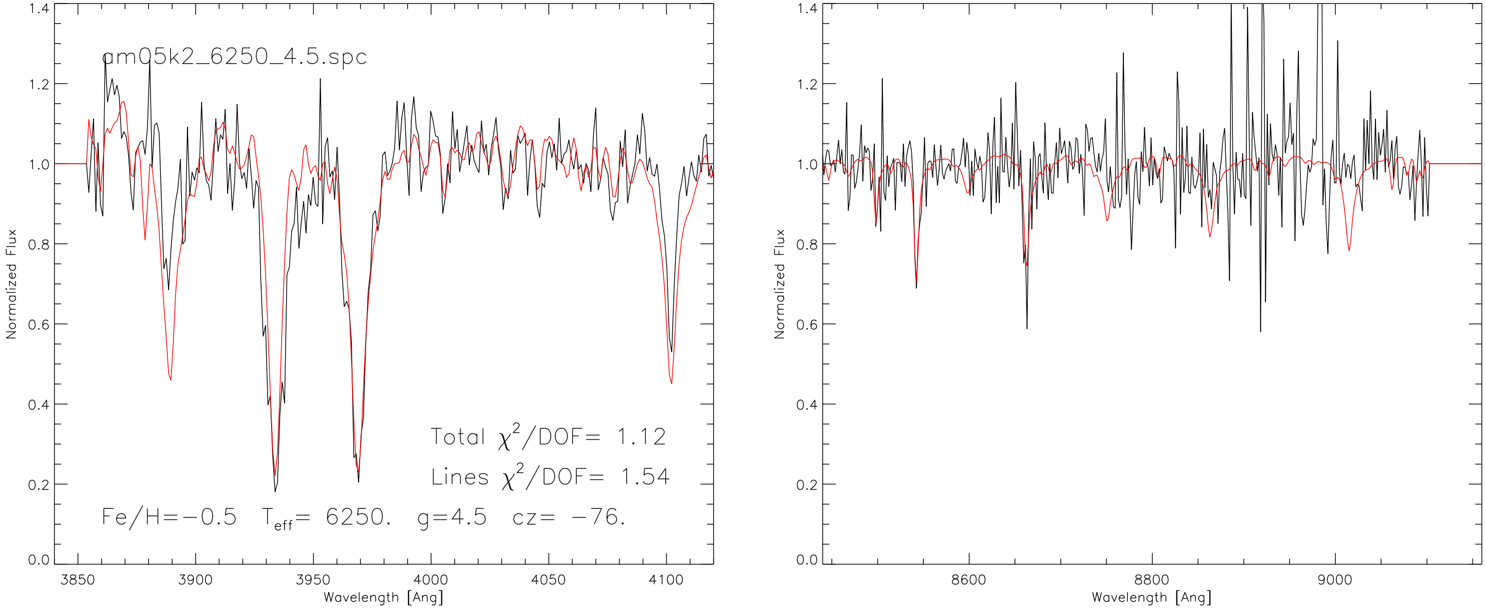


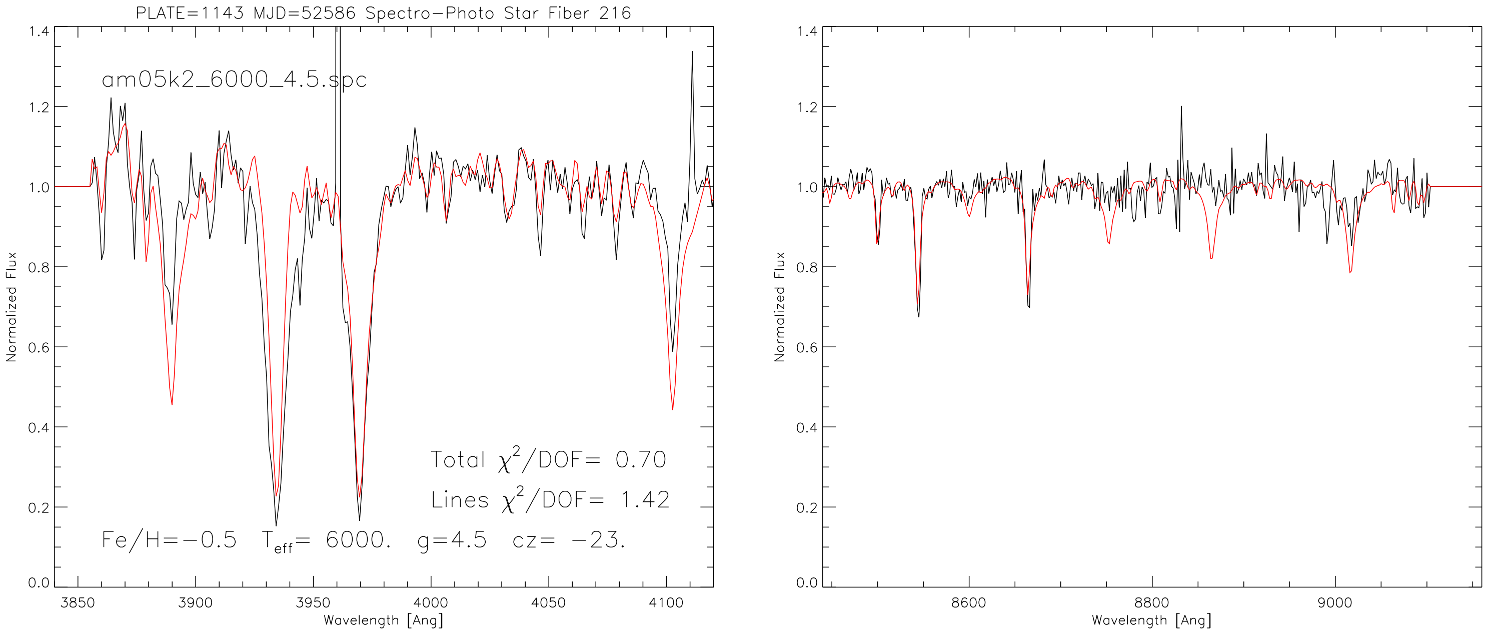
PLATE=1143 MJD=52586 Spectro−Photo Star Fiber 132

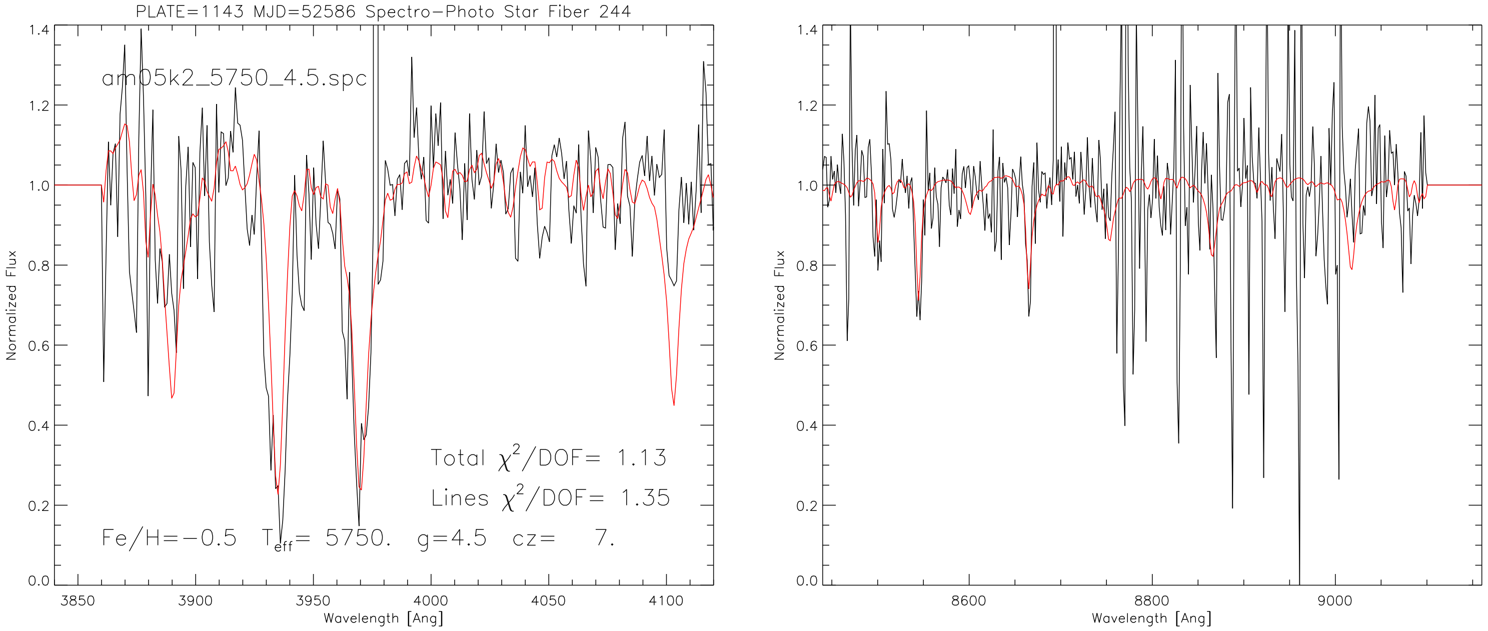


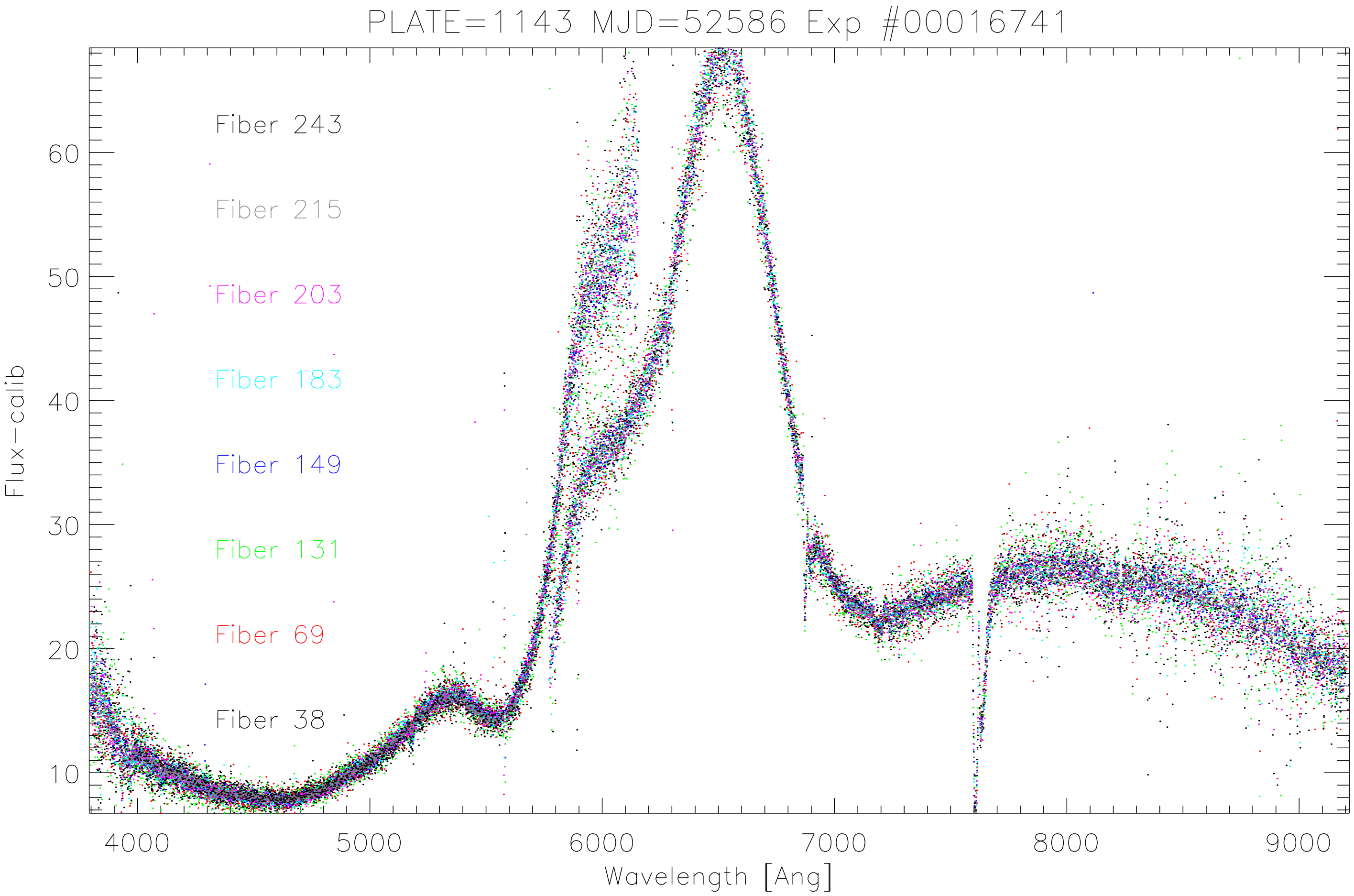

PLATE=1143 MJD=52586 Spectro−Photo Star Fiber 150

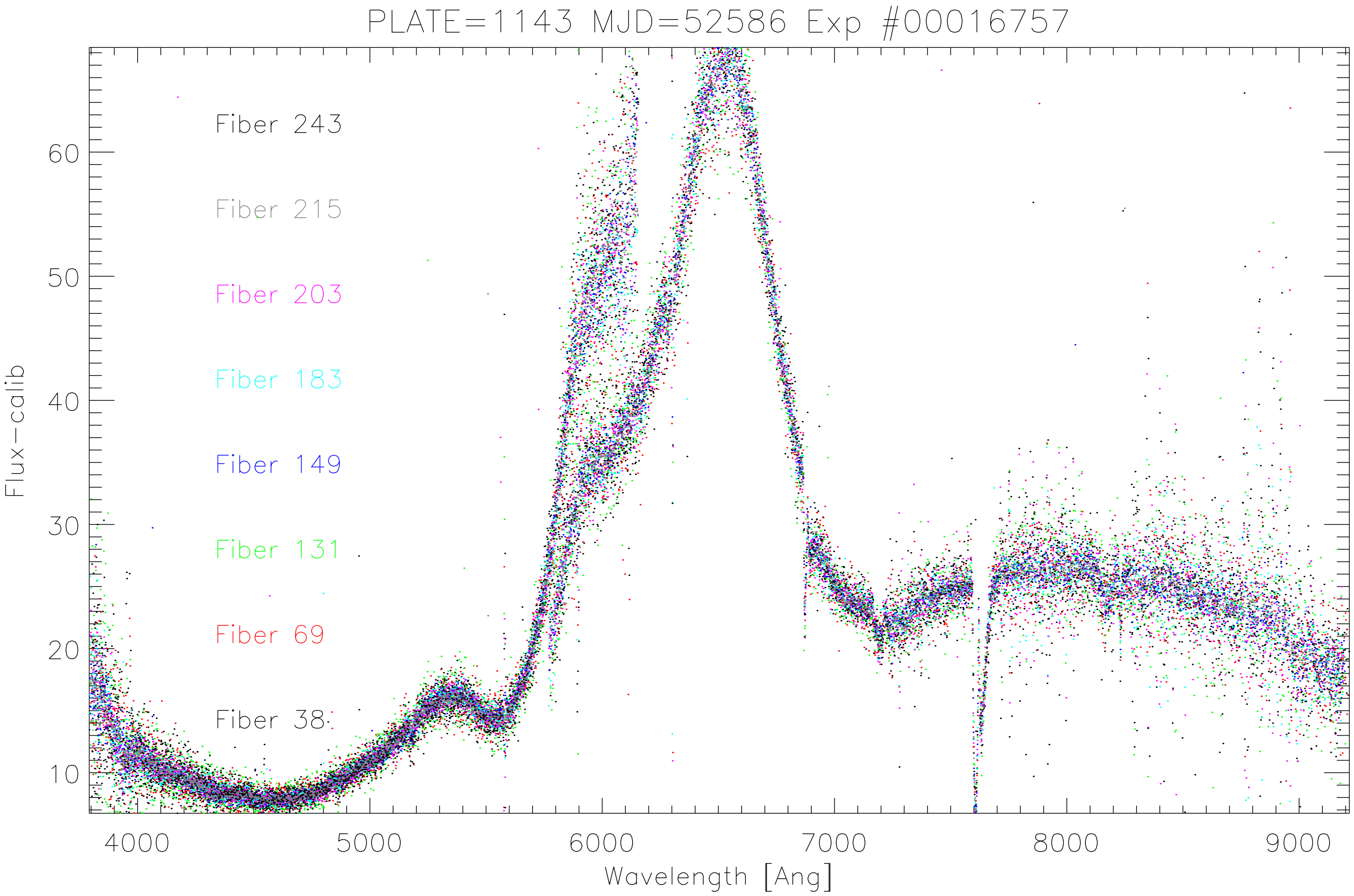

PLATE=1143 MJD=52586 Spectro−Photo Star Fiber 184

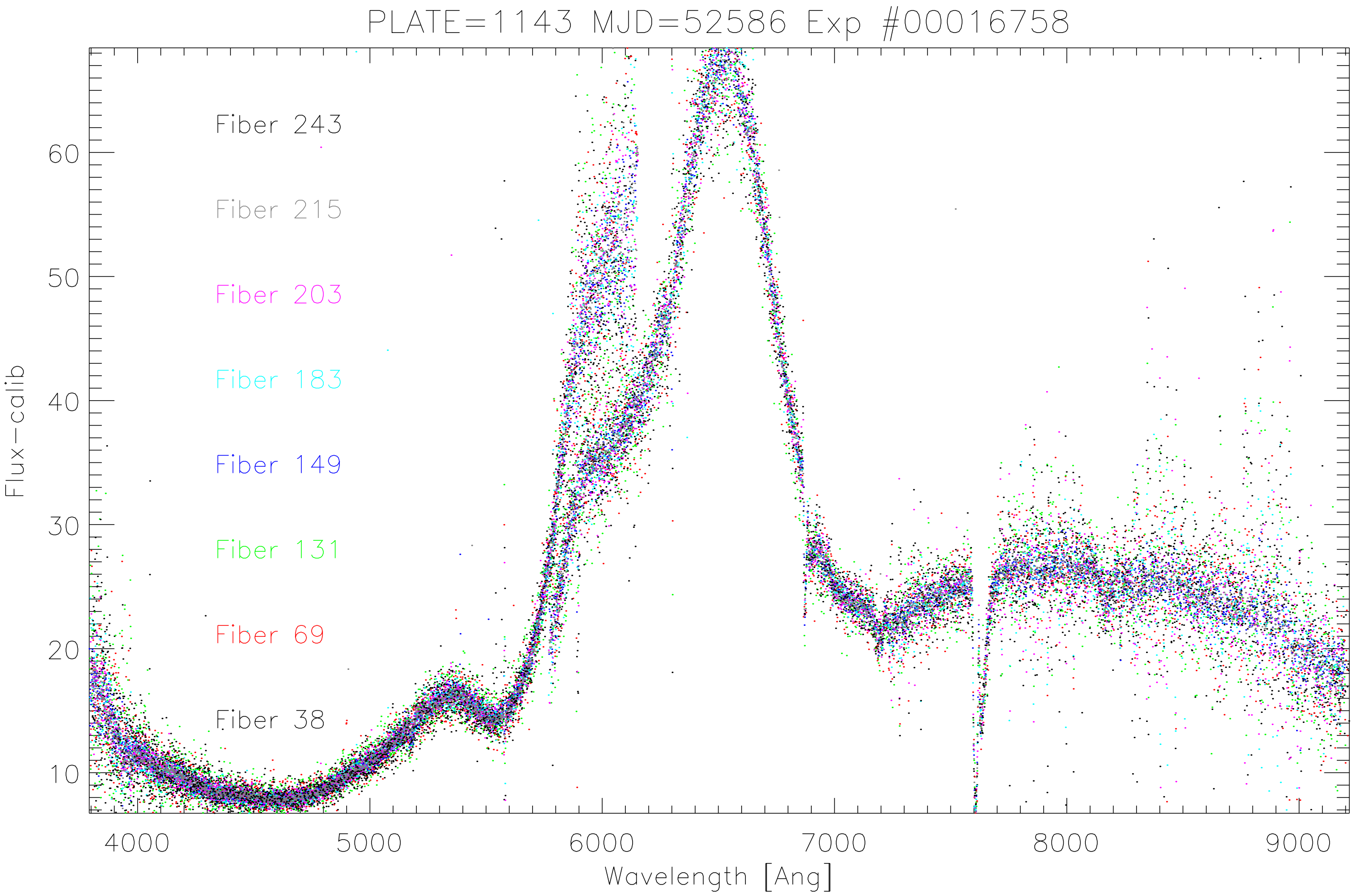

PLATE=1143 MJD=52586 Spectro−Photo Star Fiber 204

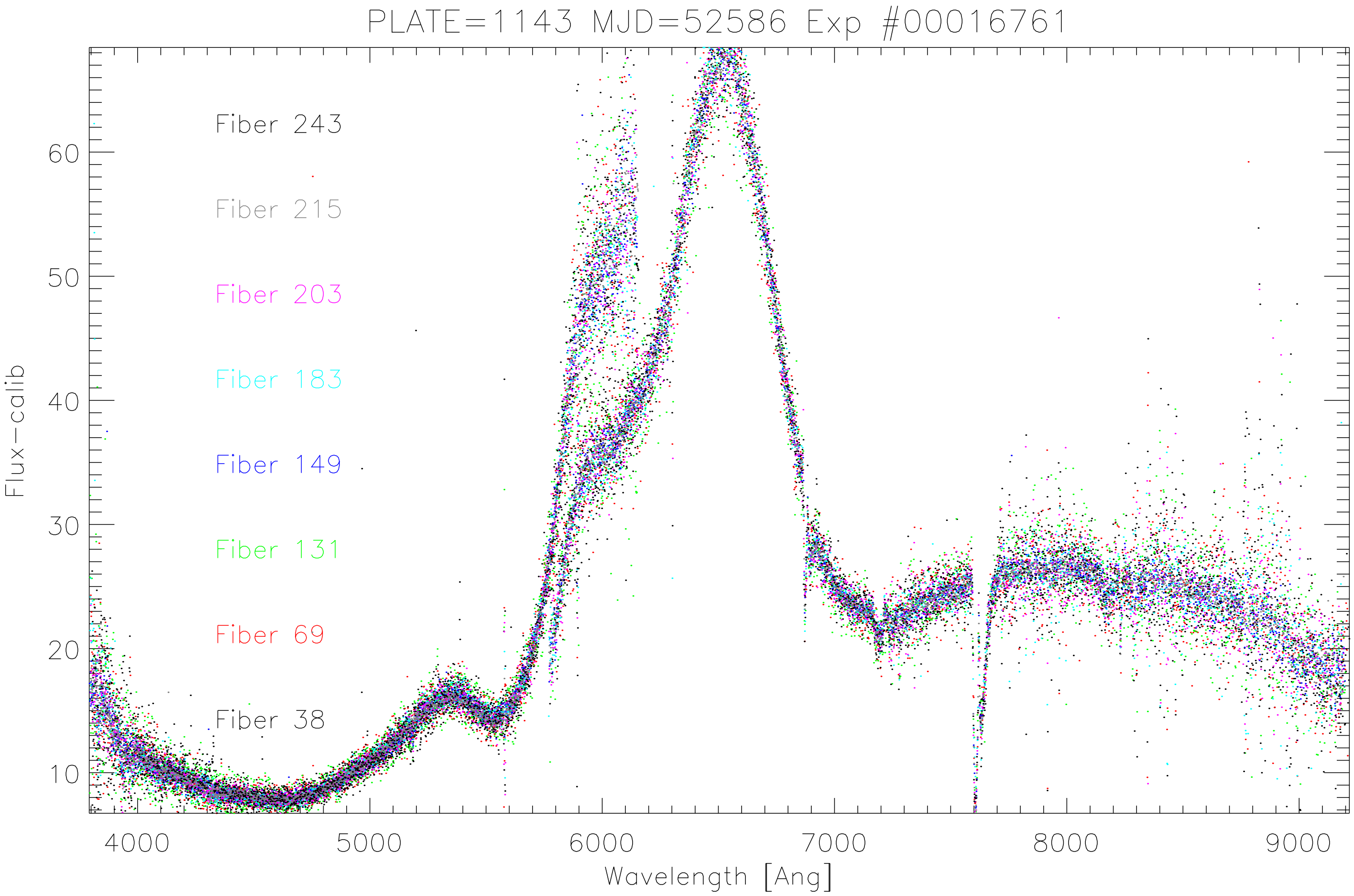

PLATE=1143 MJD=52586 Spectro-Photo Star Fiber 216
am05k2_6000_4.5.spc
Total χ^2/DOF= 0.70
Lines χ^2/DOF= 1.42
Fe/H=-0.5 T_{eff}= 6000. g=4.5 cz= -23.
Normalized Flux
0.0
0.2
0.4
0.6
0.8
1.0
1.2
1.4
3850
3900
3950
4000
4050
4100
Wavelength [Ang]
8600
8800
9000
Wavelength [Ang]

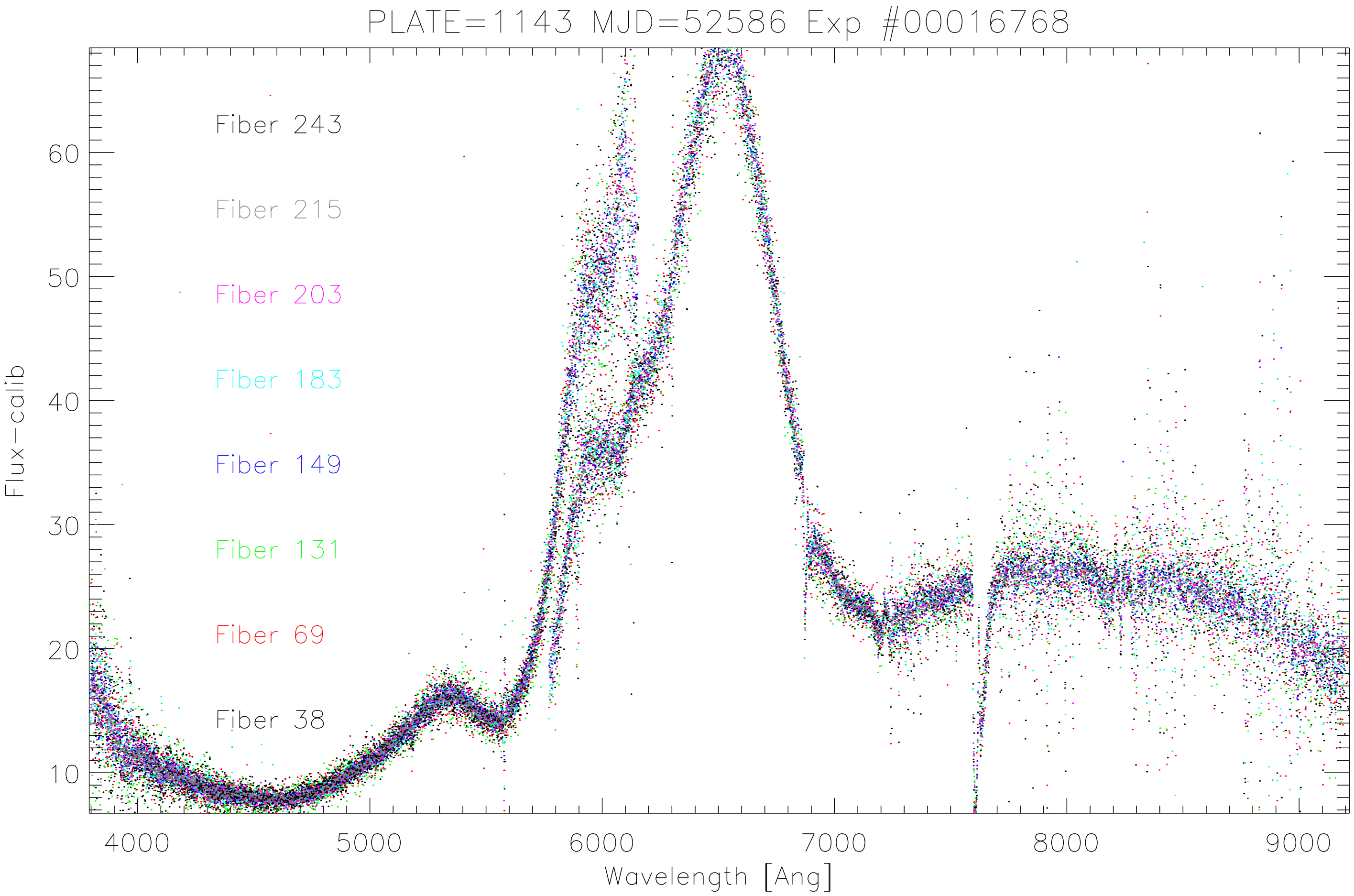

PLATE=1143 MJD=52586 Spectro-Photo Star Fiber 244
am05k2_5750_4.5.spc
Total χ^2/DOF= 1.13
Lines χ^2/DOF= 1.35
Fe/H=-0.5 T_{eff}= 5750. g=4.5 cz= 7.
Normalized Flux
0.0
0.2
0.4
0.6
0.8
1.0
1.2
1.4
3850
3900
3950
4000
4050
4100
Wavelength [Ang]
8600
8800
9000
Wavelength [Ang]

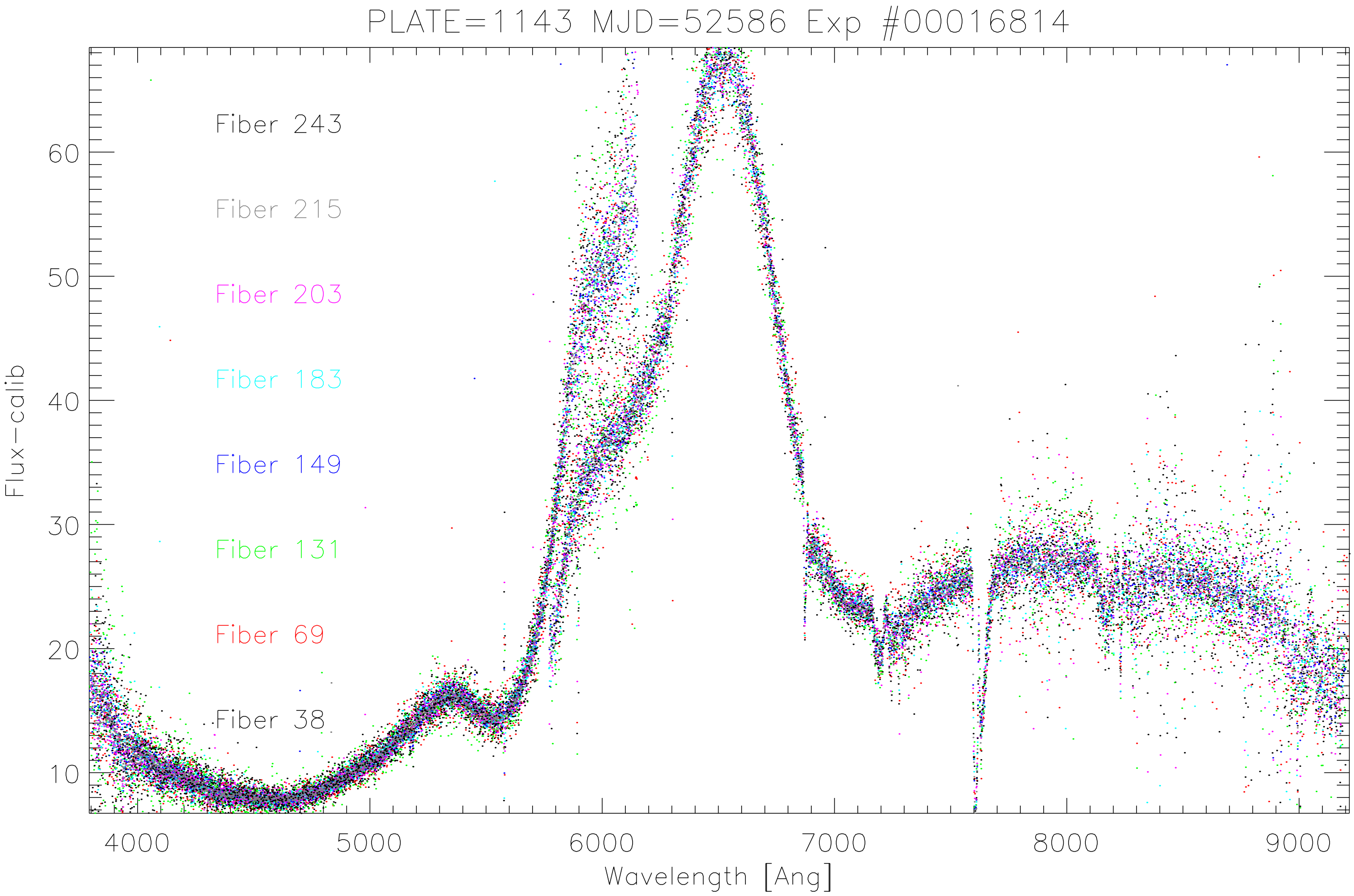

PLATE=1143 MJD=52586 Exp #00016741
Fiber 243
Fiber 215
Fiber 203
Fiber 183
Fiber 149
Fiber 131
Fiber 69
Fiber 38
Flux−calib
60
50
40
30
20
10
4000
5000
6000
7000
8000
9000
Wavelength [Ang]


PLATE=1143 MJD=52586 Exp #00016757
Fiber 243
Fiber 215
Fiber 203
Fiber 183
Fiber 149
Fiber 131
Fiber 69
Fiber 38
Flux−calib
60
50
40
30
20
10
4000
5000
6000
7000
8000
9000
Wavelength [Ang]


PLATE=1143 MJD=52586 Exp #00016758
Fiber 243
Fiber 215
Fiber 203
Fiber 183
Fiber 149
Fiber 131
Fiber 69
Fiber 38
Flux−calib
10
20
30
40
50
60
4000
5000
6000
7000
8000
9000
Wavelength [Ang]


PLATE=1143 MJD=52586 Exp #00016761
Fiber 243
Fiber 215
Fiber 203
Fiber 183
Fiber 149
Fiber 131
Fiber 69
Fiber 38
Flux−calib
10
20
30
40
50
60
4000
5000
6000
7000
8000
9000
Wavelength [Ang]


PLATE=1143 MJD=52586 Exp #00016768
Fiber 243
Fiber 215
Fiber 203
Fiber 183
Fiber 149
Fiber 131
Fiber 69
Fiber 38
Flux−calib
10
20
30
40
50
60
4000
5000
6000
7000
8000
9000
Wavelength [Ang]


PLATE=1143 MJD=52586 Exp #00016814
Fiber 243
Fiber 215
Fiber 203
Fiber 183
Fiber 149
Fiber 131
Fiber 69
Fiber 38
Flux−calib
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20
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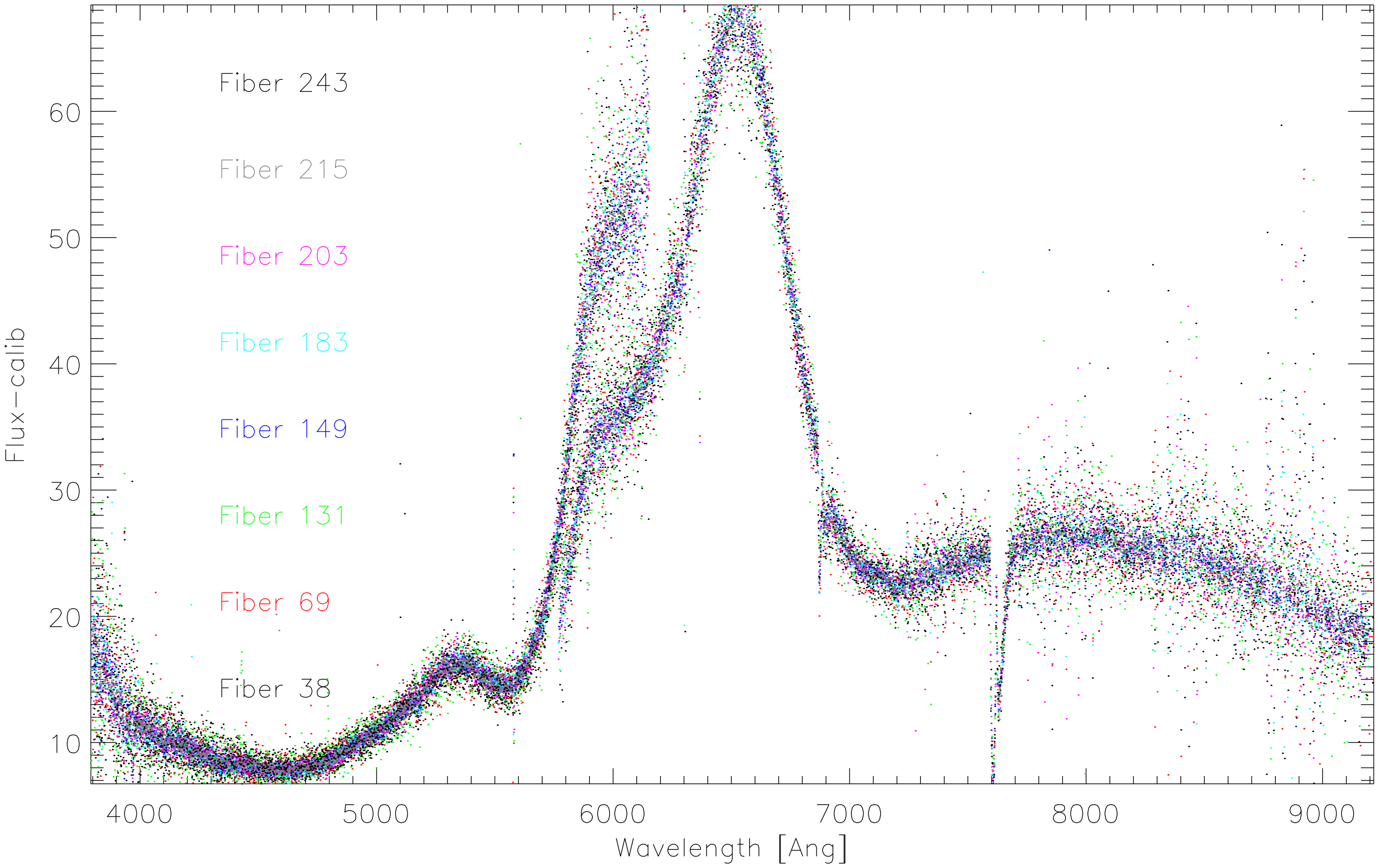
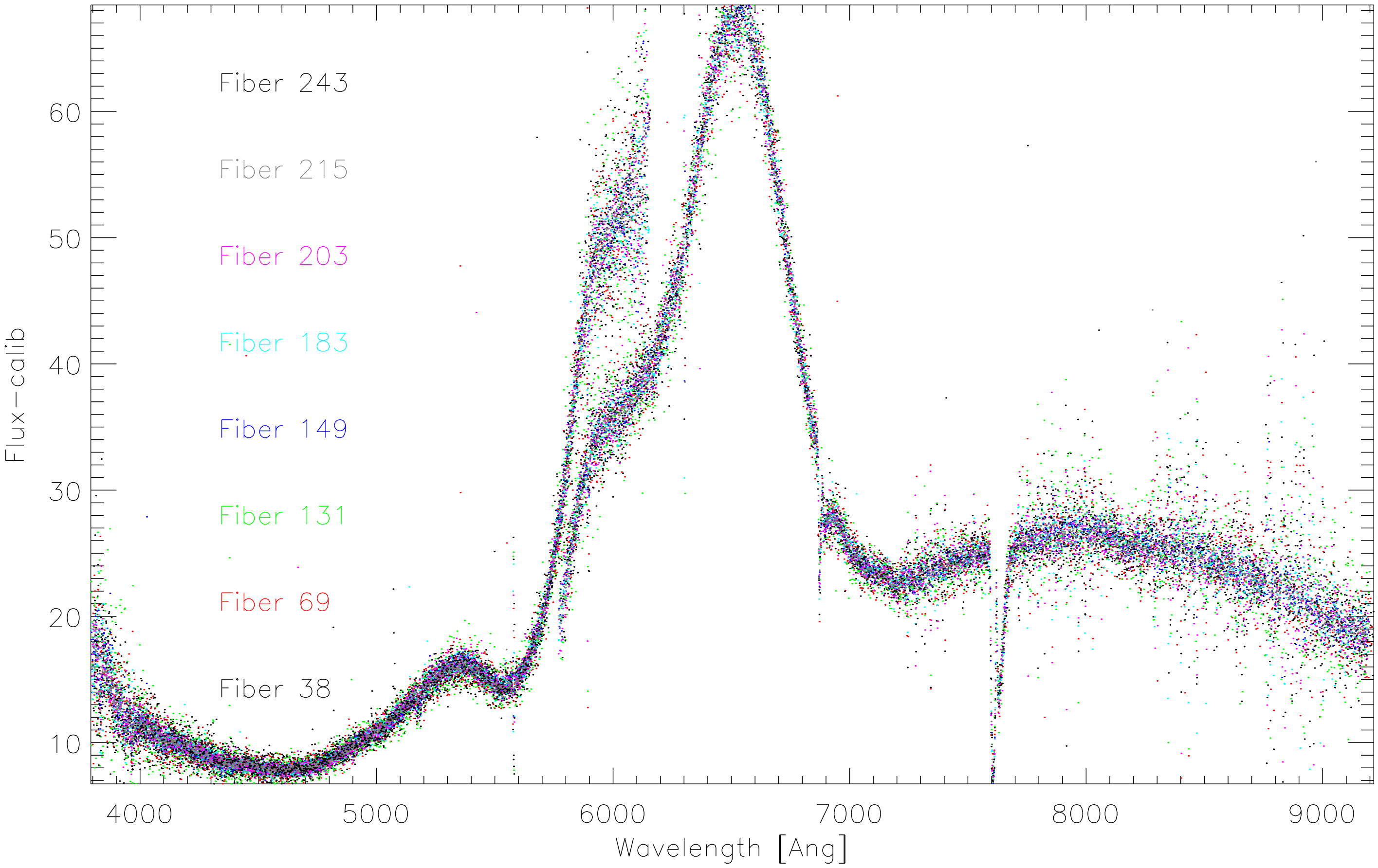
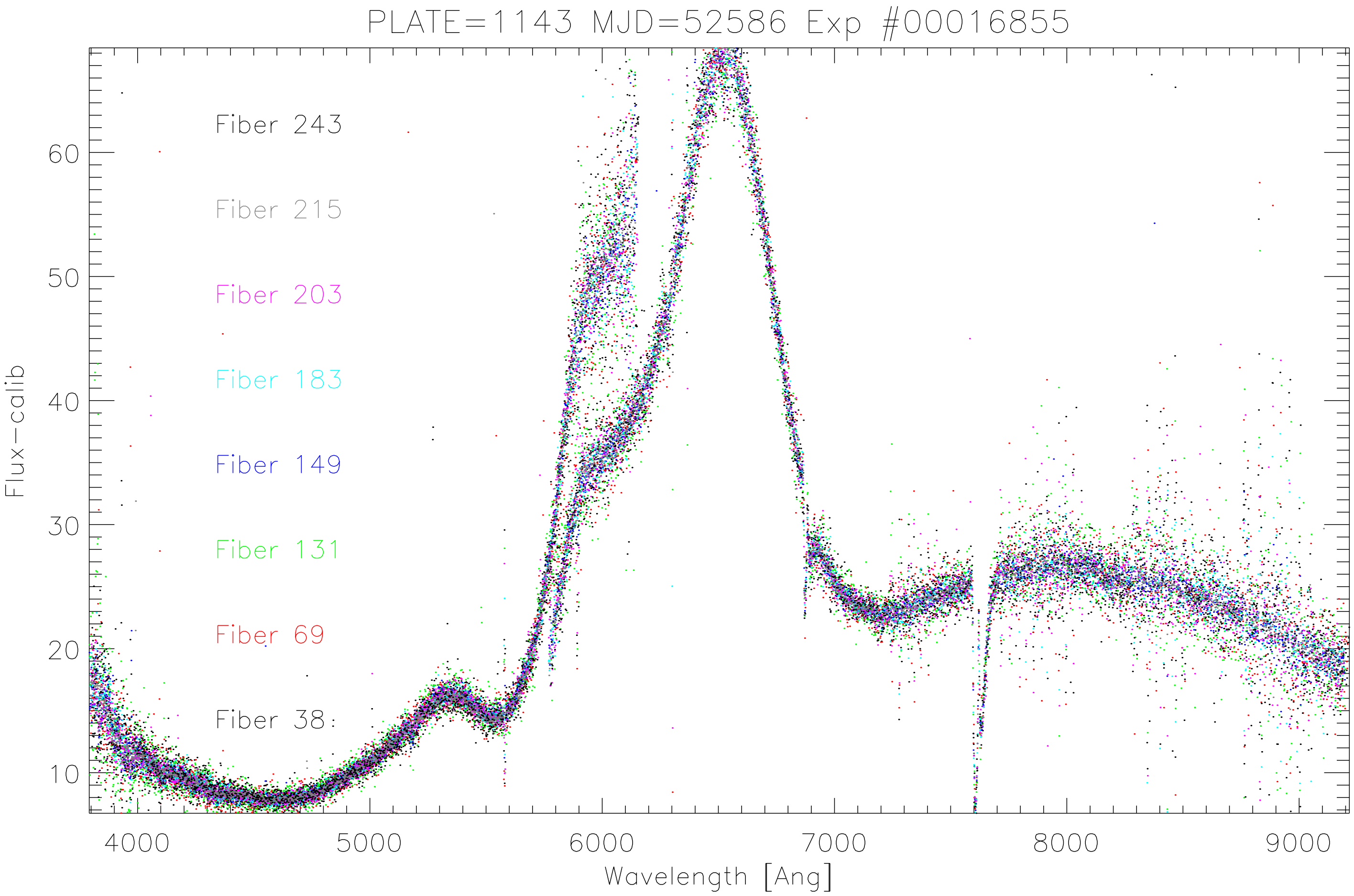
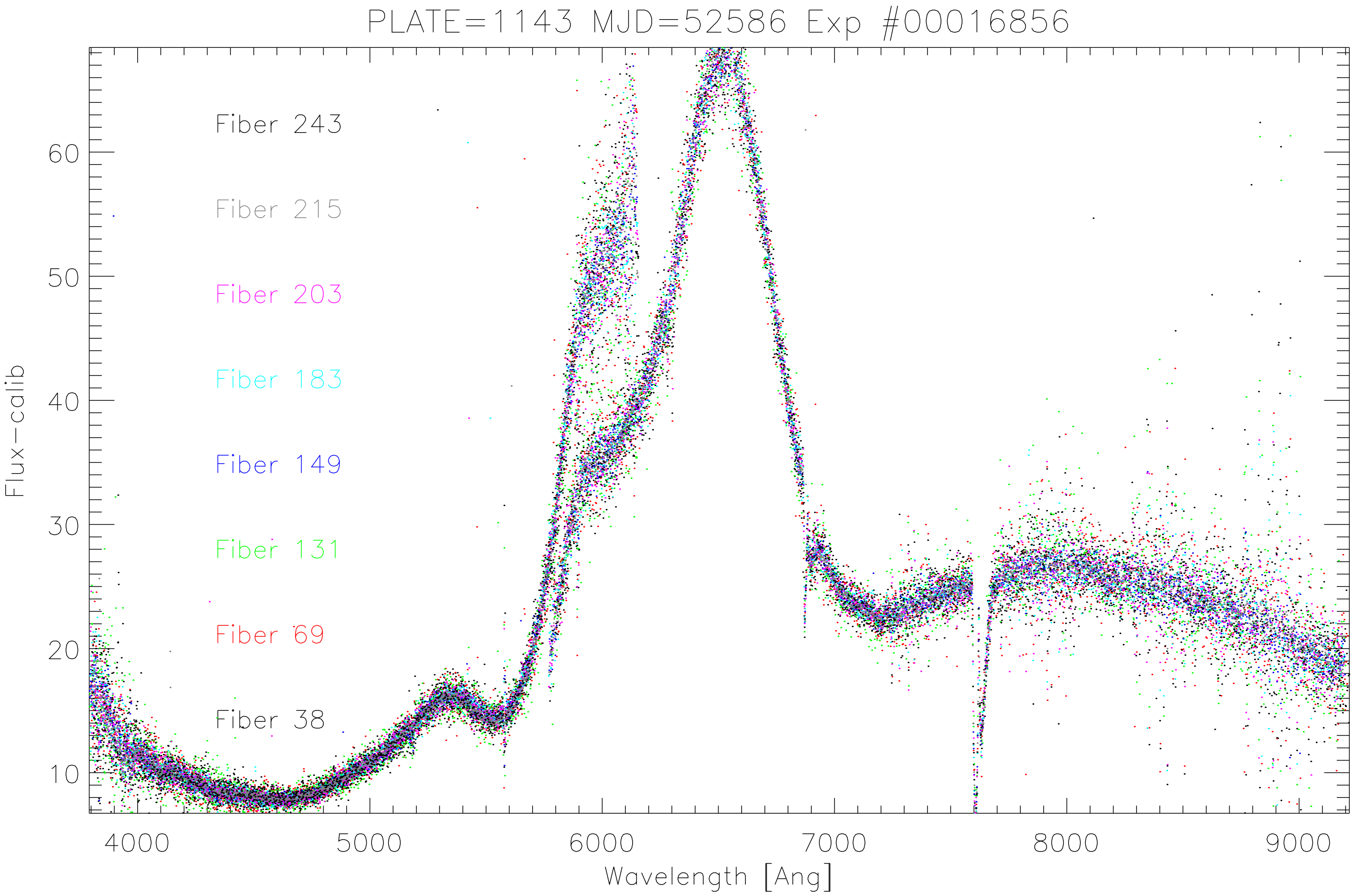
7000
8000
9000
Wavelength [Ang]


PLATE=1143 MJD=52586 Exp #00016853


PLATE=1143 MJD=52586 Exp #00016854


PLATE=1143 MJD=52586 Exp #00016855
Fiber 243
Fiber 215
Fiber 203
Fiber 183
Fiber 149
Fiber 131
Fiber 69
Fiber 38
Flux-calib
60
50
40
30
20
10
4000
5000
6000
7000
8000
9000
Wavelength [Ang]


PLATE=1143 MJD=52586 Exp #00016856
Fiber 243
Fiber 215
Fiber 203
Fiber 183
Fiber 149
Fiber 131
Fiber 69
Fiber 38
Flux-calib
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10
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5000
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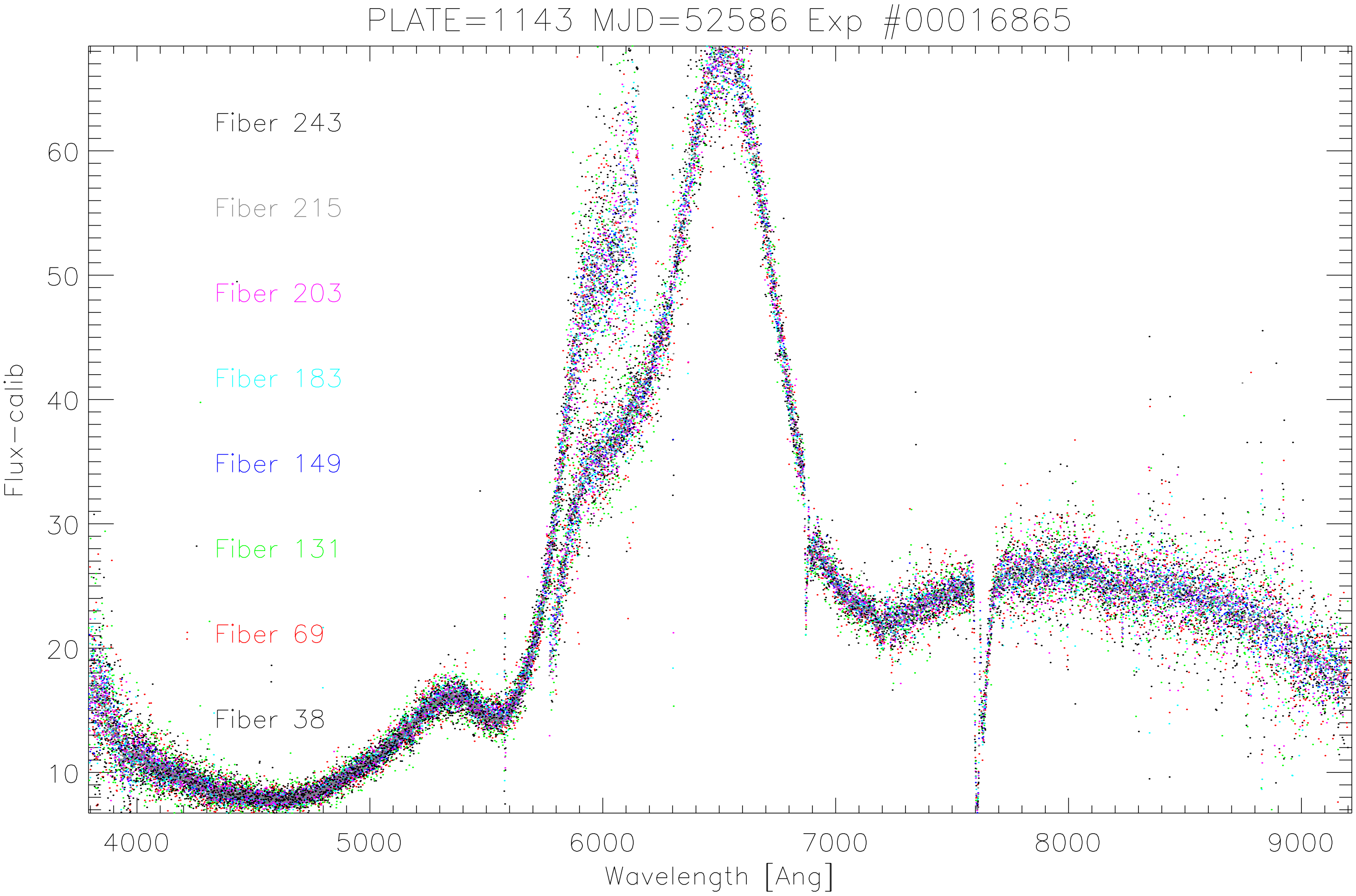
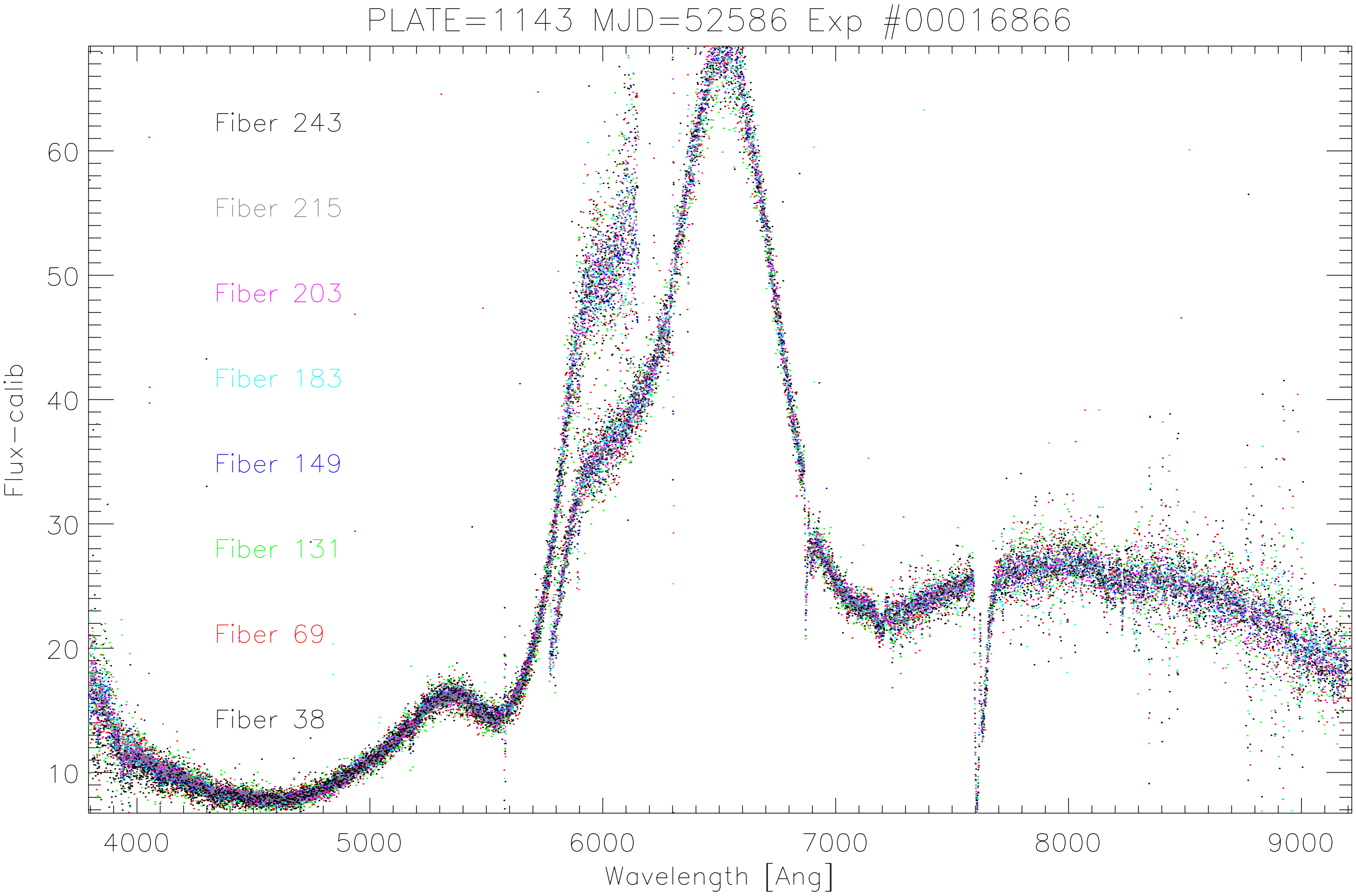
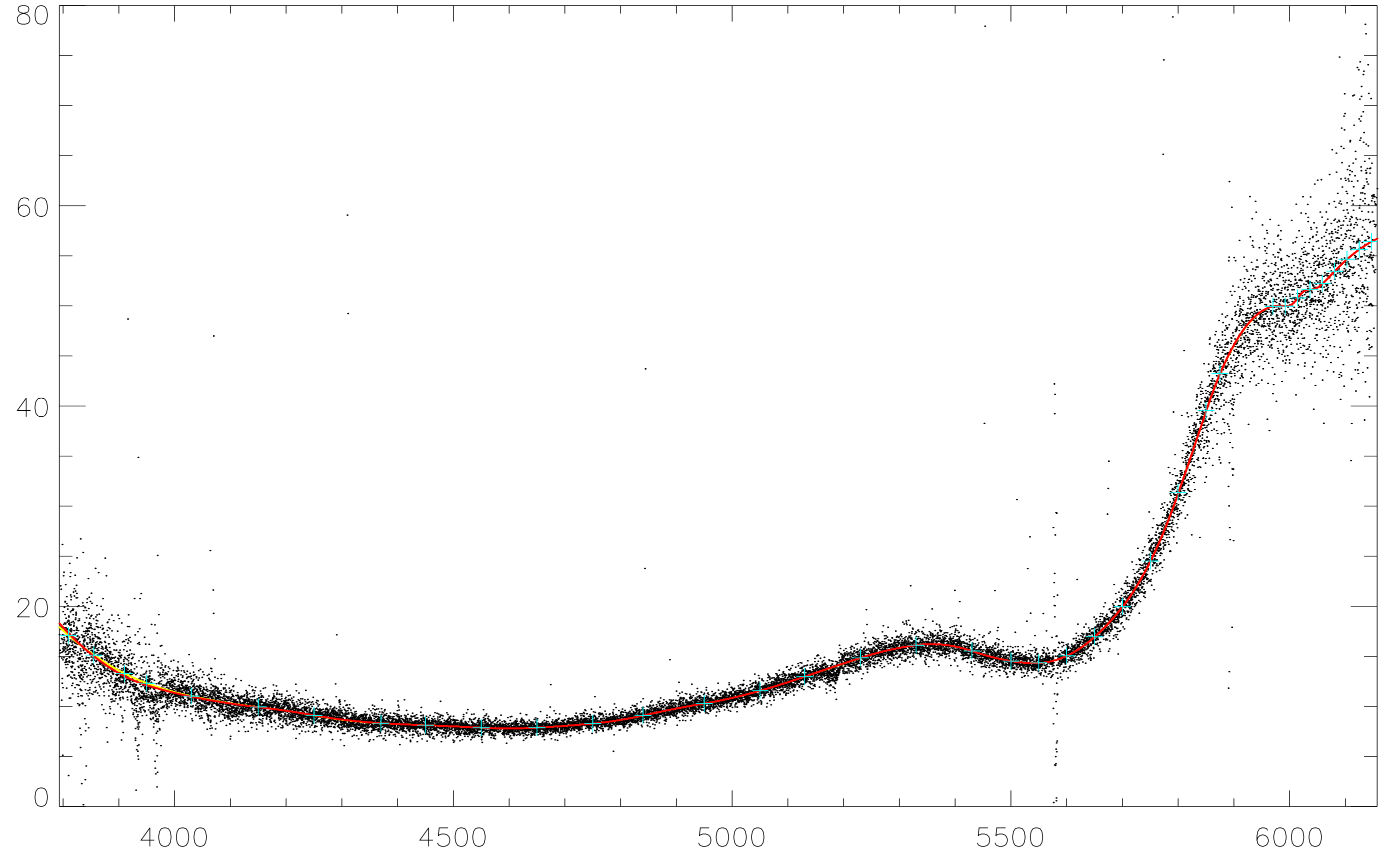
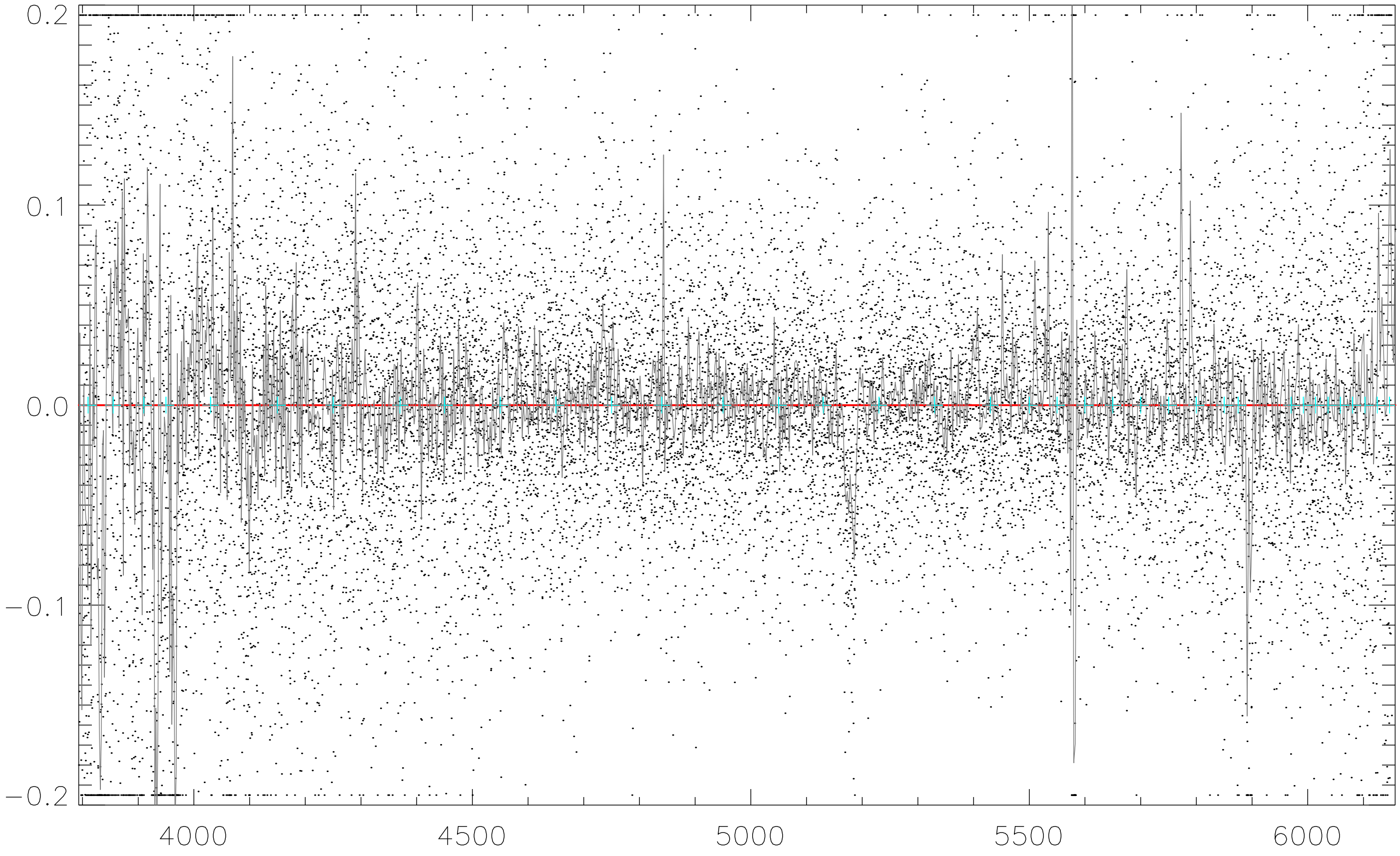
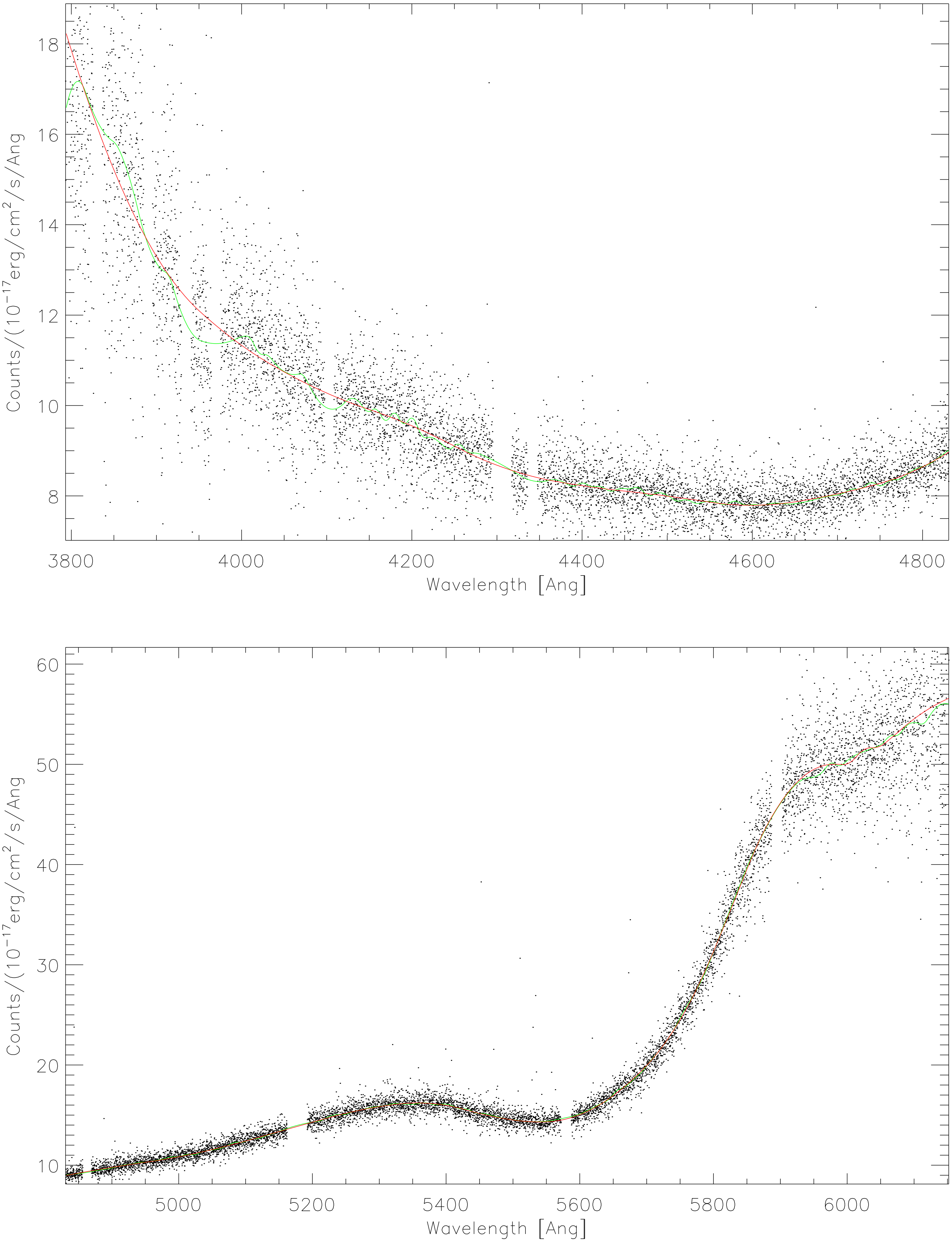
7000
8000
9000
Wavelength [Ang]


PLATE=1143 MJD=52586 Exp #00016865
Fiber 243
Fiber 215
Fiber 203
Fiber 183
Fiber 149
Fiber 131
Fiber 69
Fiber 38
Flux-calib
10
20
30
40
50
60
4000
5000
6000
7000
8000
9000
Wavelength [Ang]

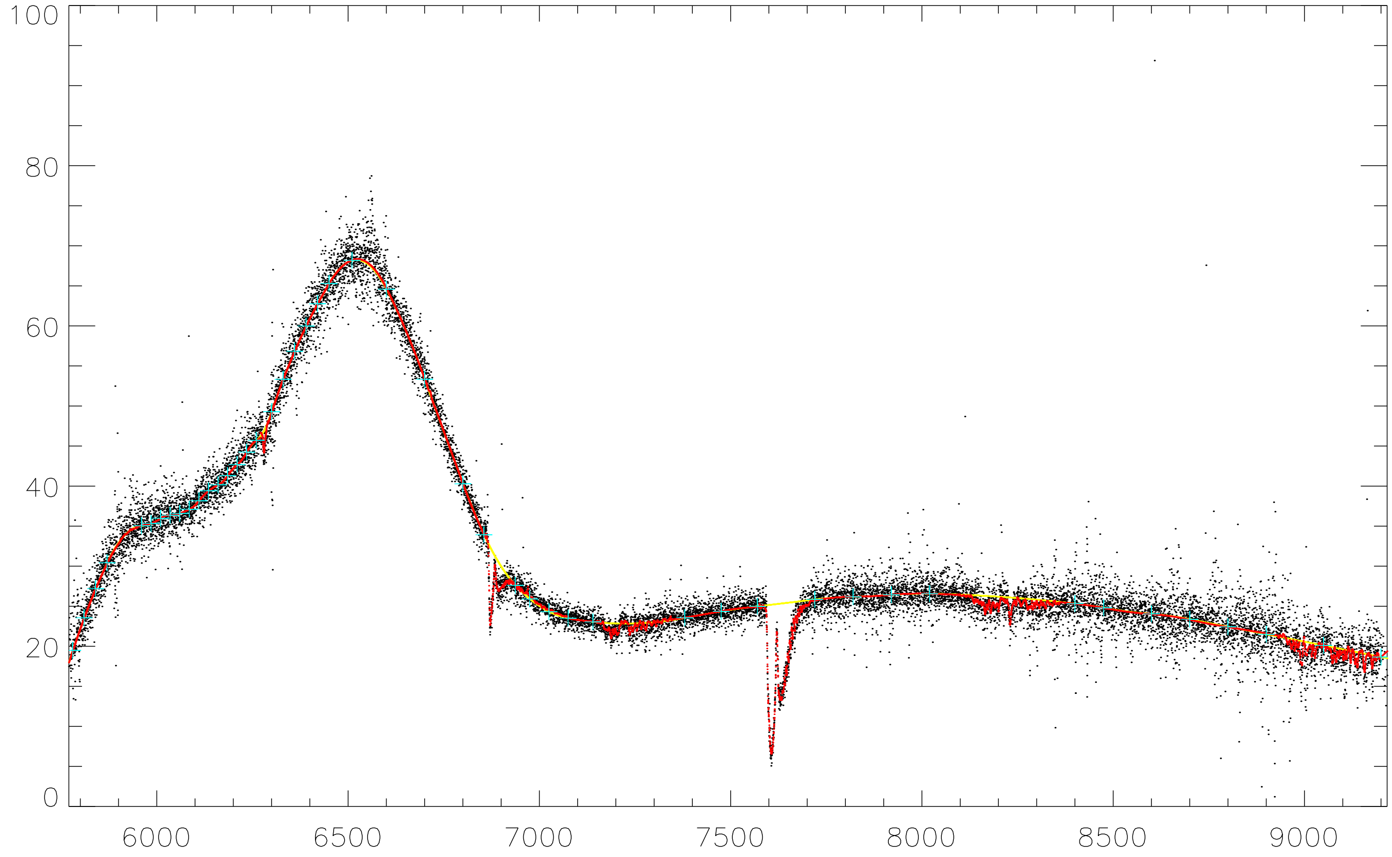

PLATE=1143 MJD=52586 Exp #00016866
Fiber 243
Fiber 215
Fiber 203
Fiber 183
Fiber 149
Fiber 131
Fiber 69
Fiber 38
Flux-calib
10
20
30
40
50
60
4000
5000
6000
7000
8000
9000
Wavelength [Ang]

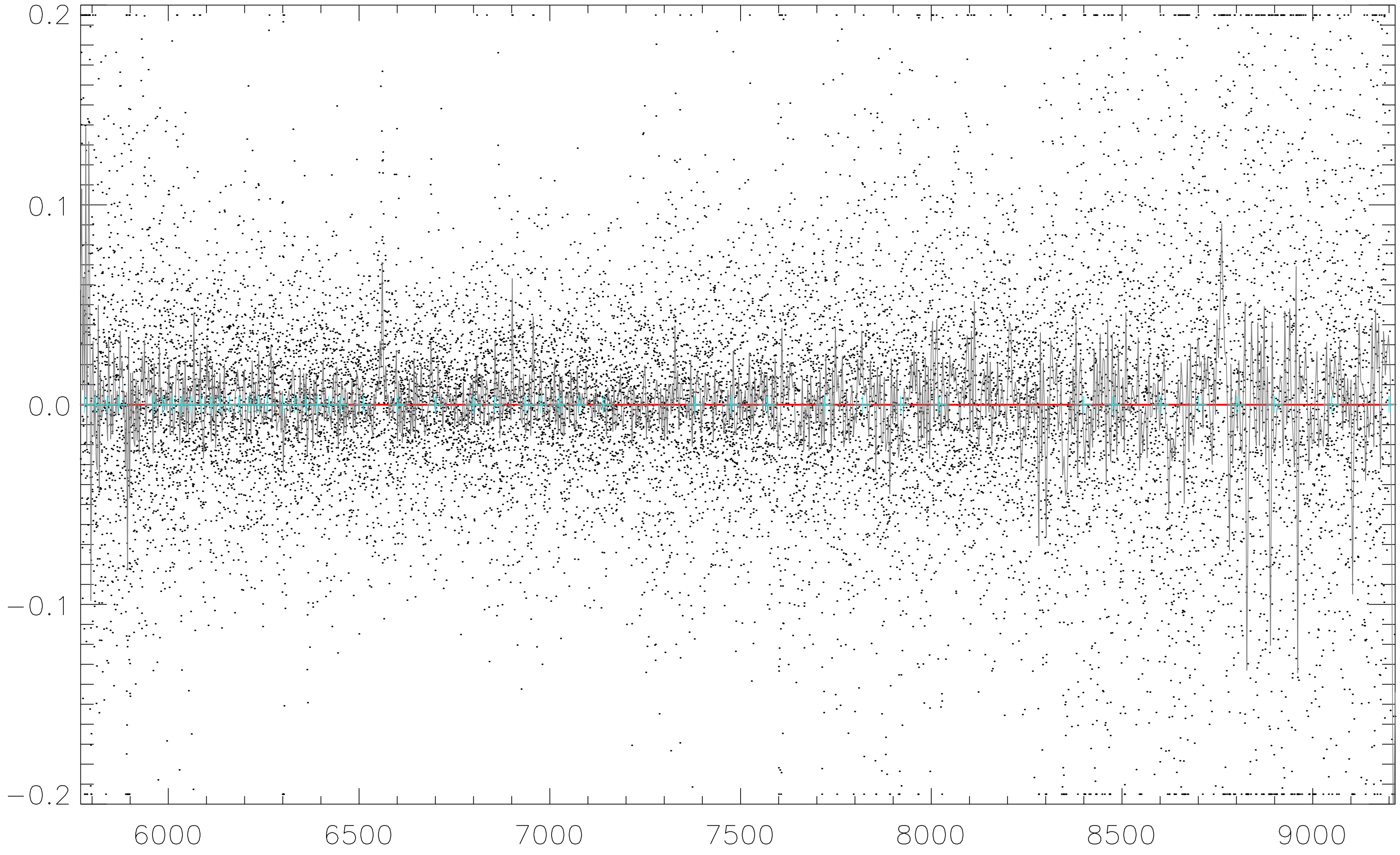

80
60
40
20
0
4000
4500
5000
5500
6000


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

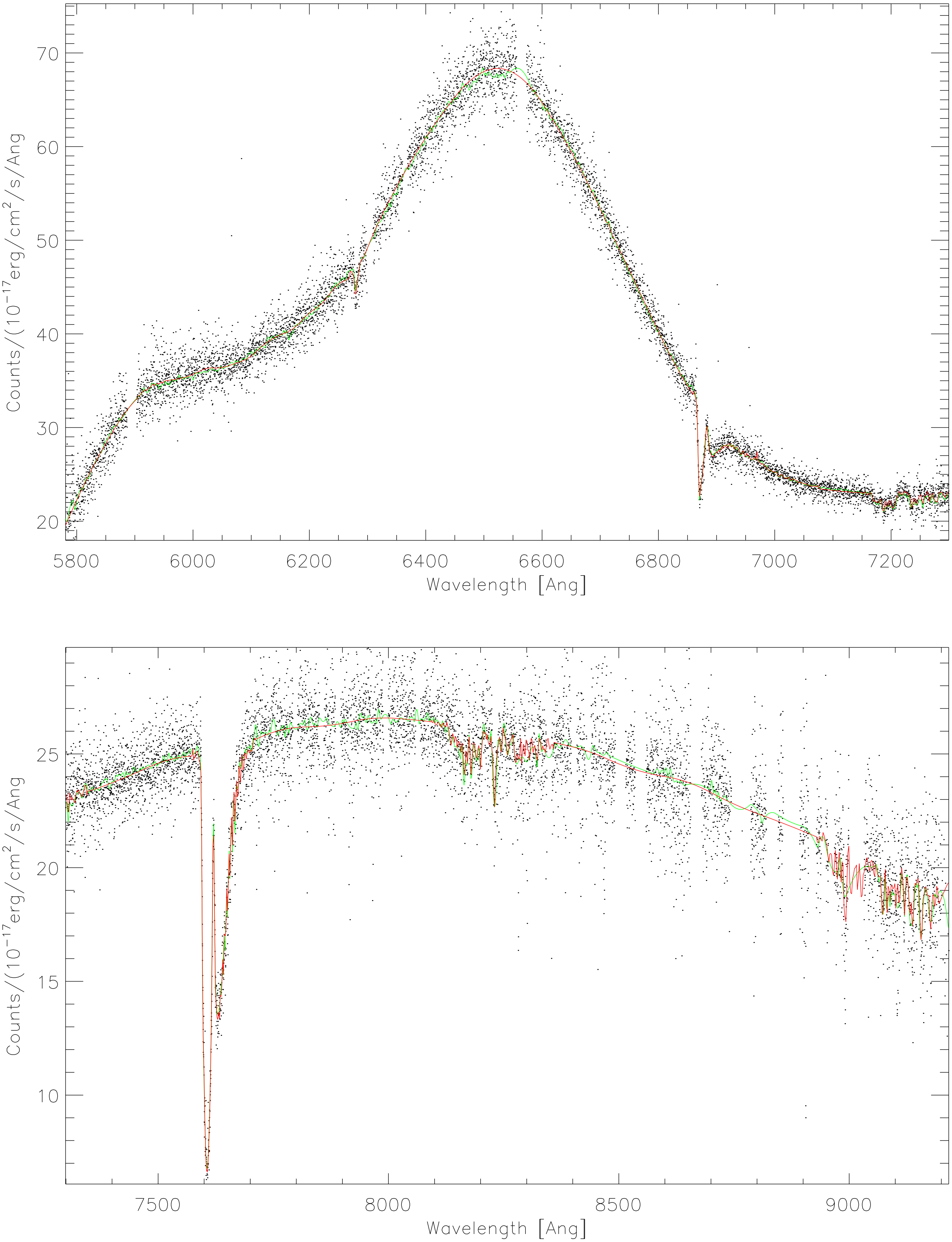


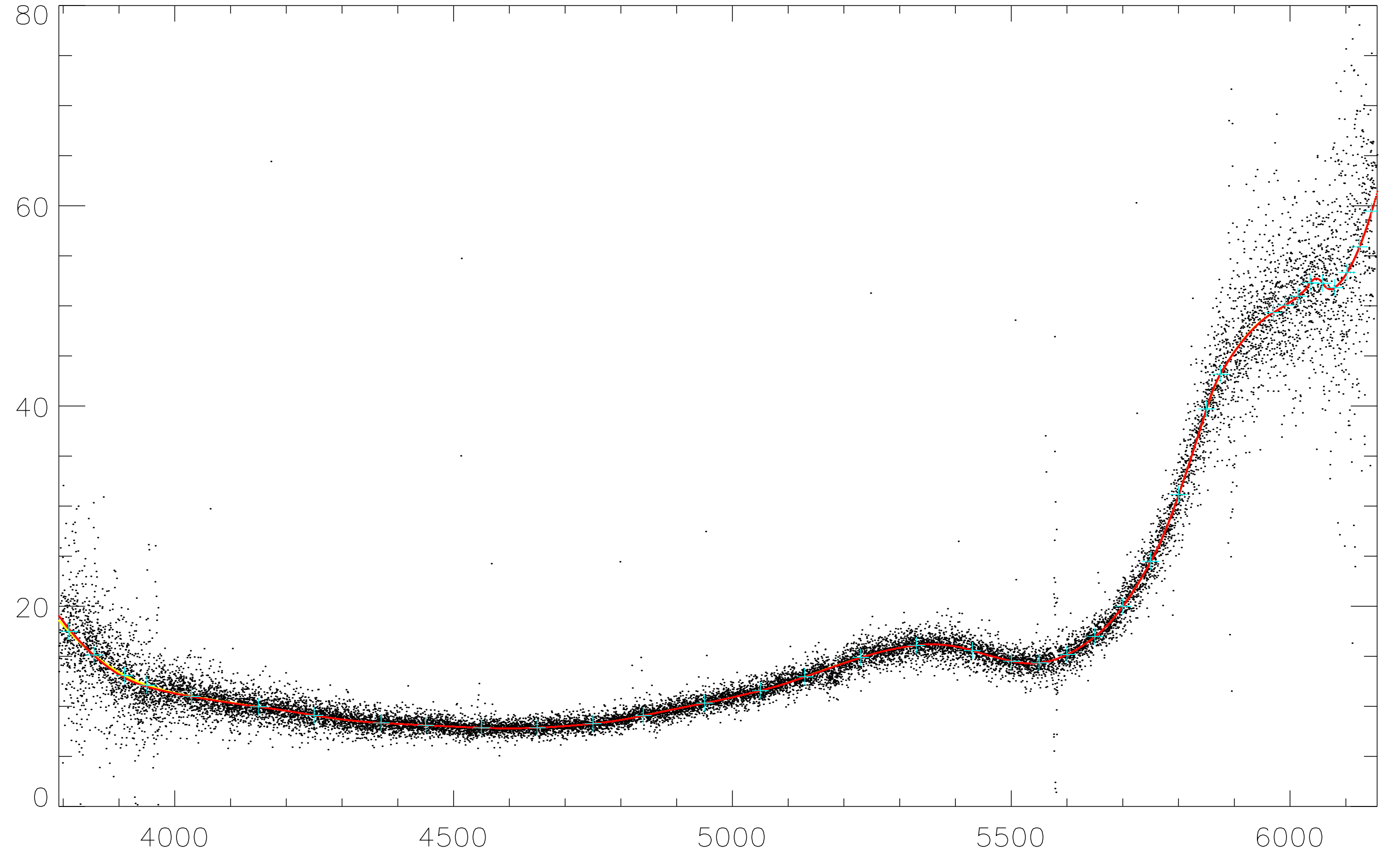
PLATE=1143 MJD=52579 Spectro−Photo Calib for b1−00016741


100
80
60
40
20
0
6000
6500
7000
7500
8000
8500
9000

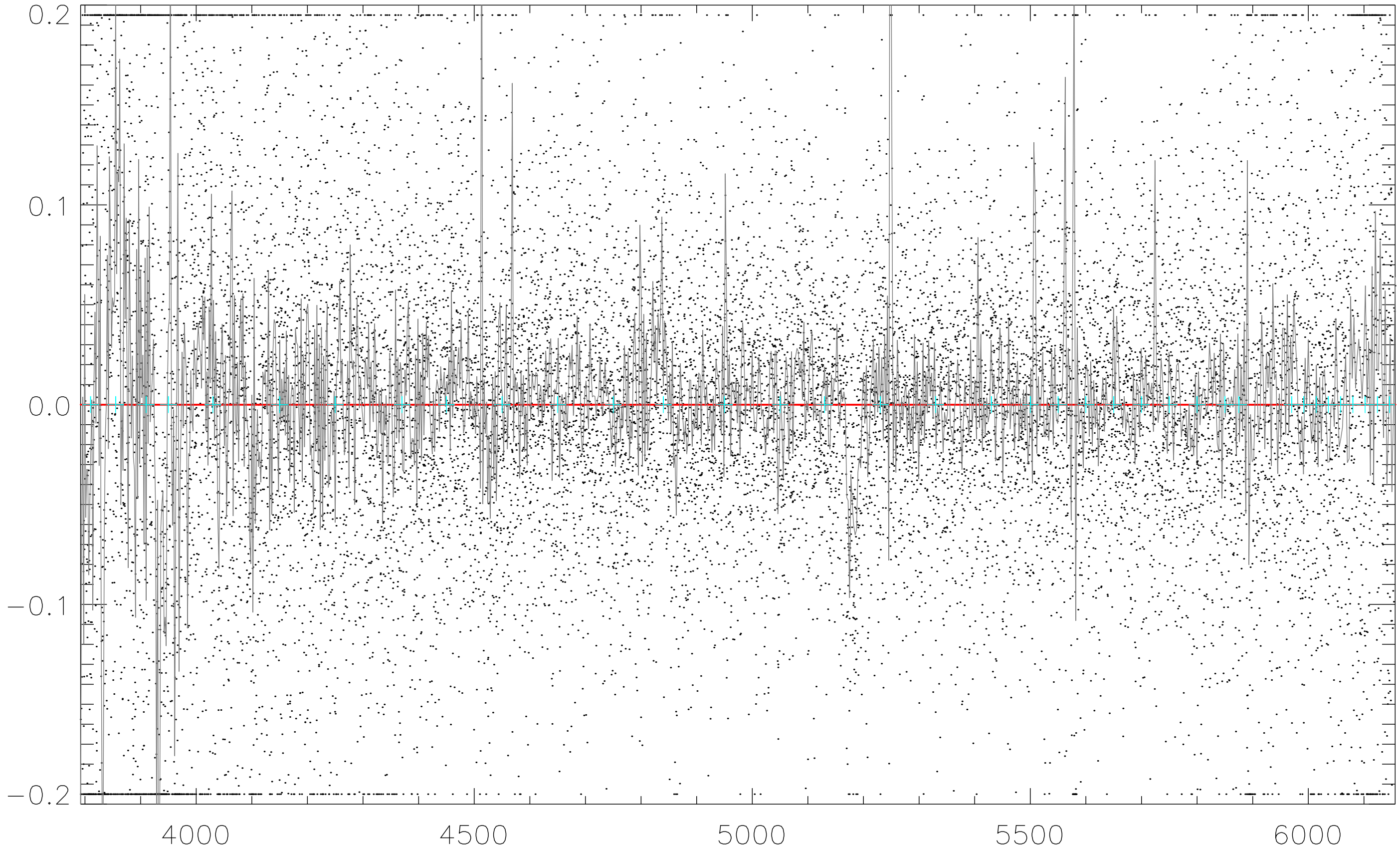

0.2
0.1
0.0
−0.1
−0.2
6000
6500
7000
7500
8000
8500
9000

PLATE=1143 MJD=52579 Spectro−Photo Calib for r1−00016741





80
60
40
20
0
4000
4500
5000
5500
6000



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0.1
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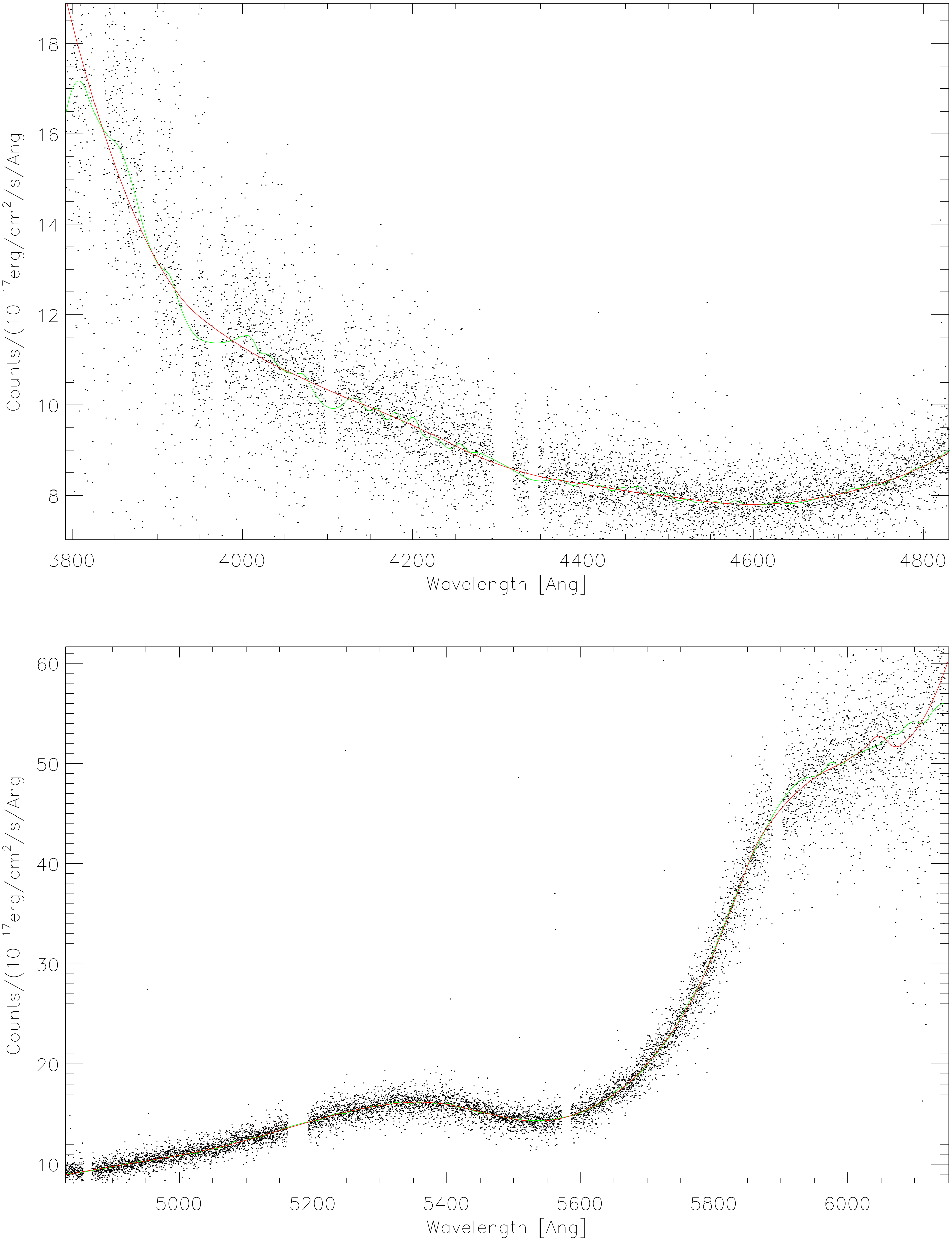
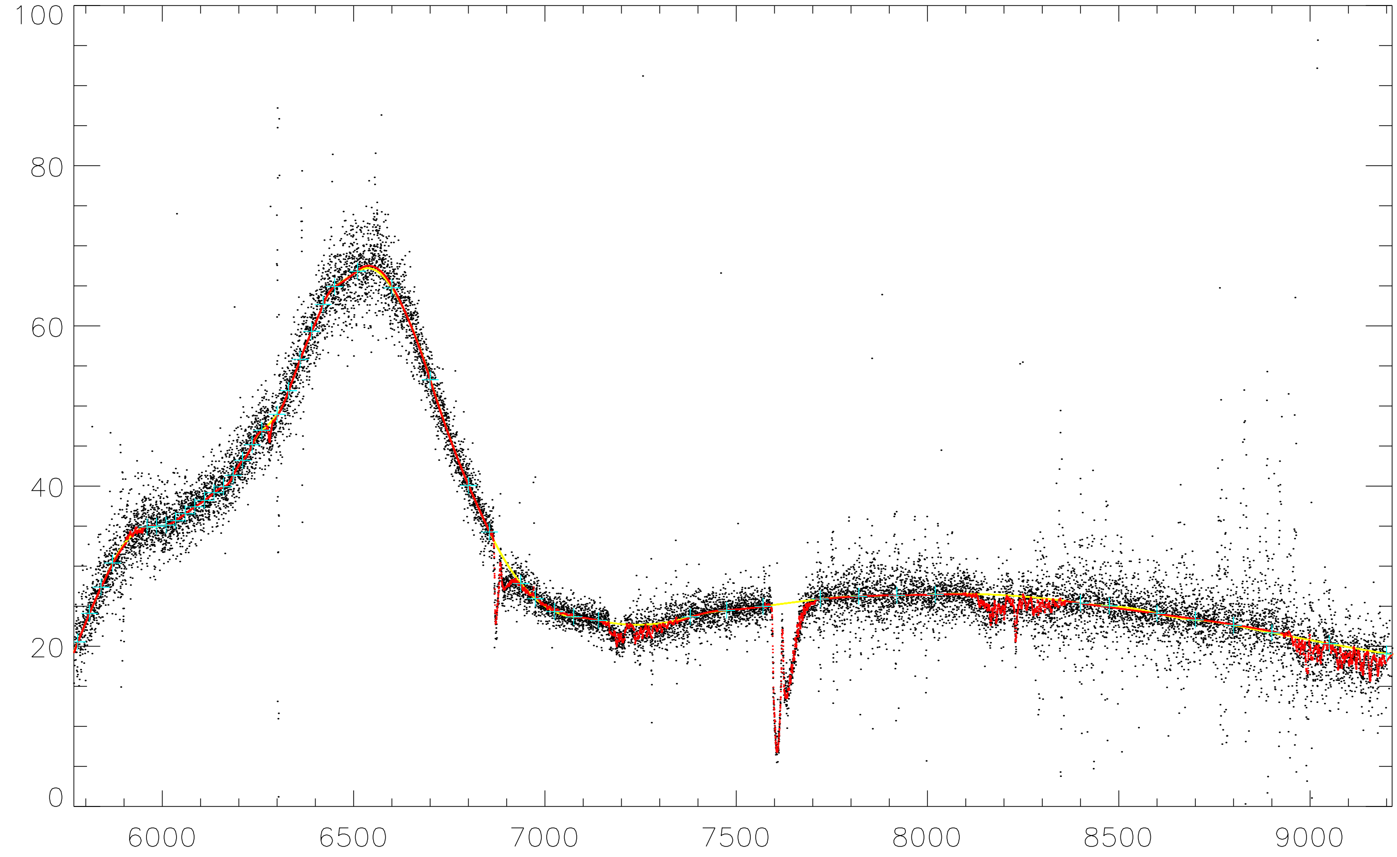
−0.2
4000
4500
5000
5500
6000

PLATE=1143 MJD=52581 Spectro−Photo Calib for b1-00016757

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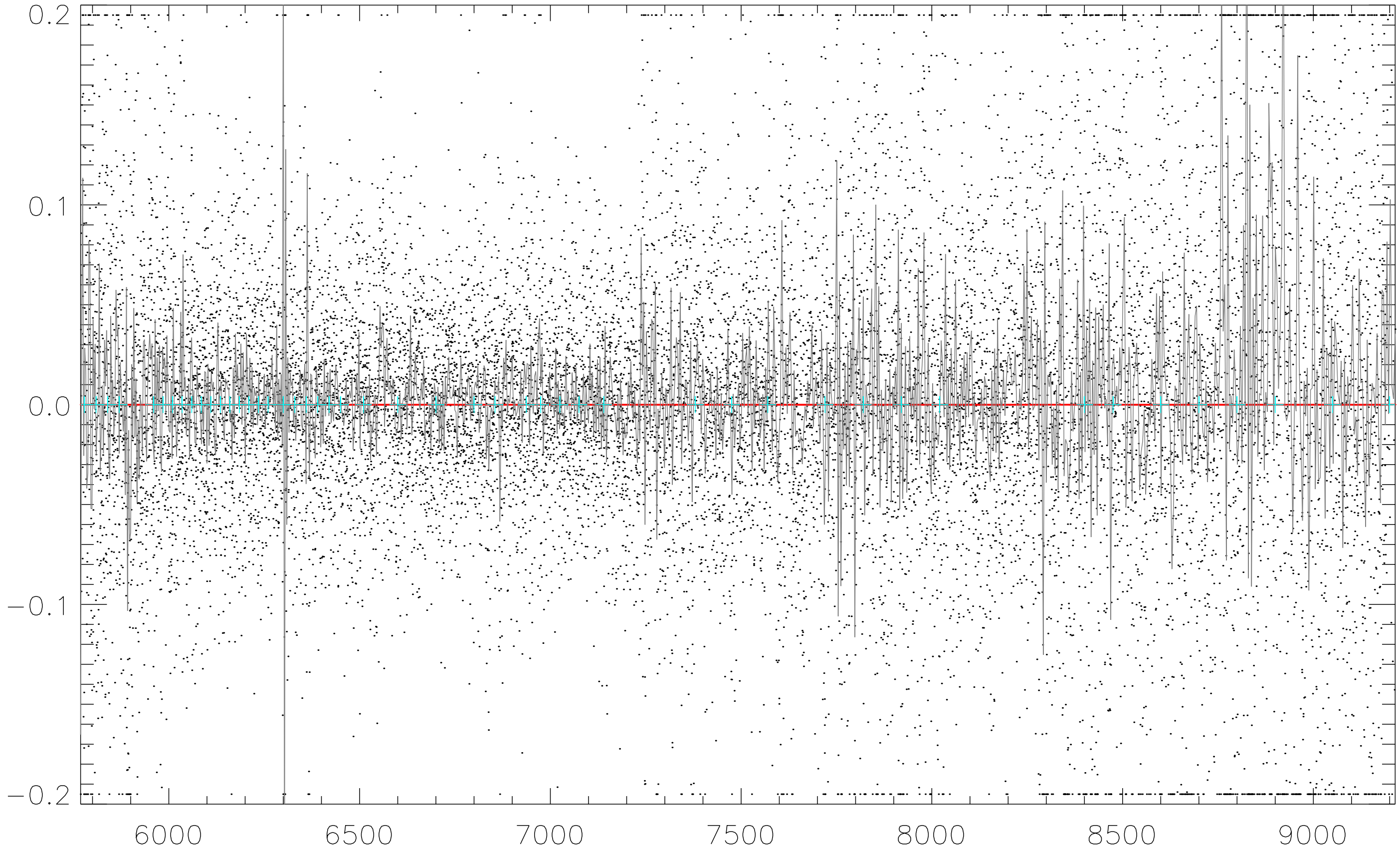
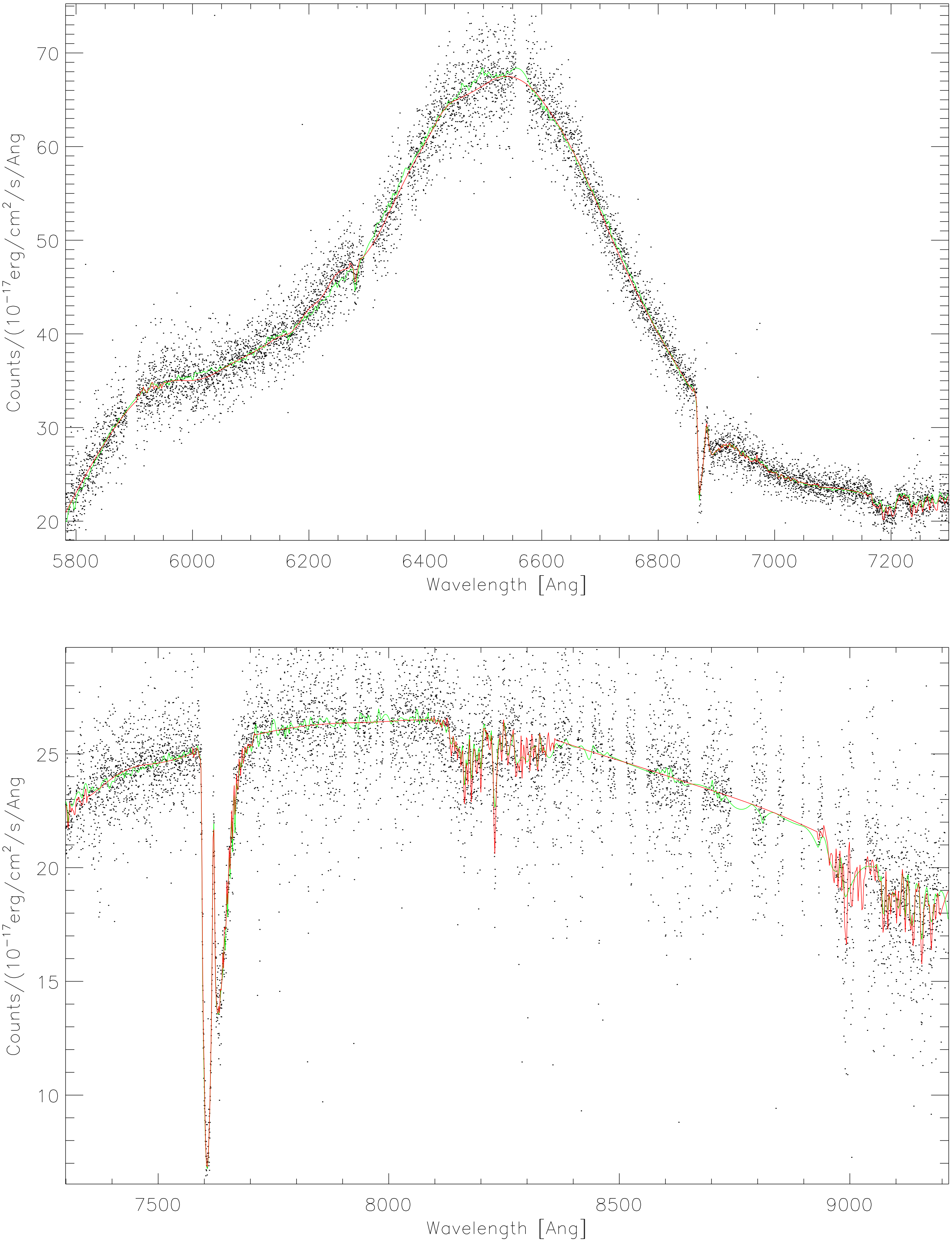
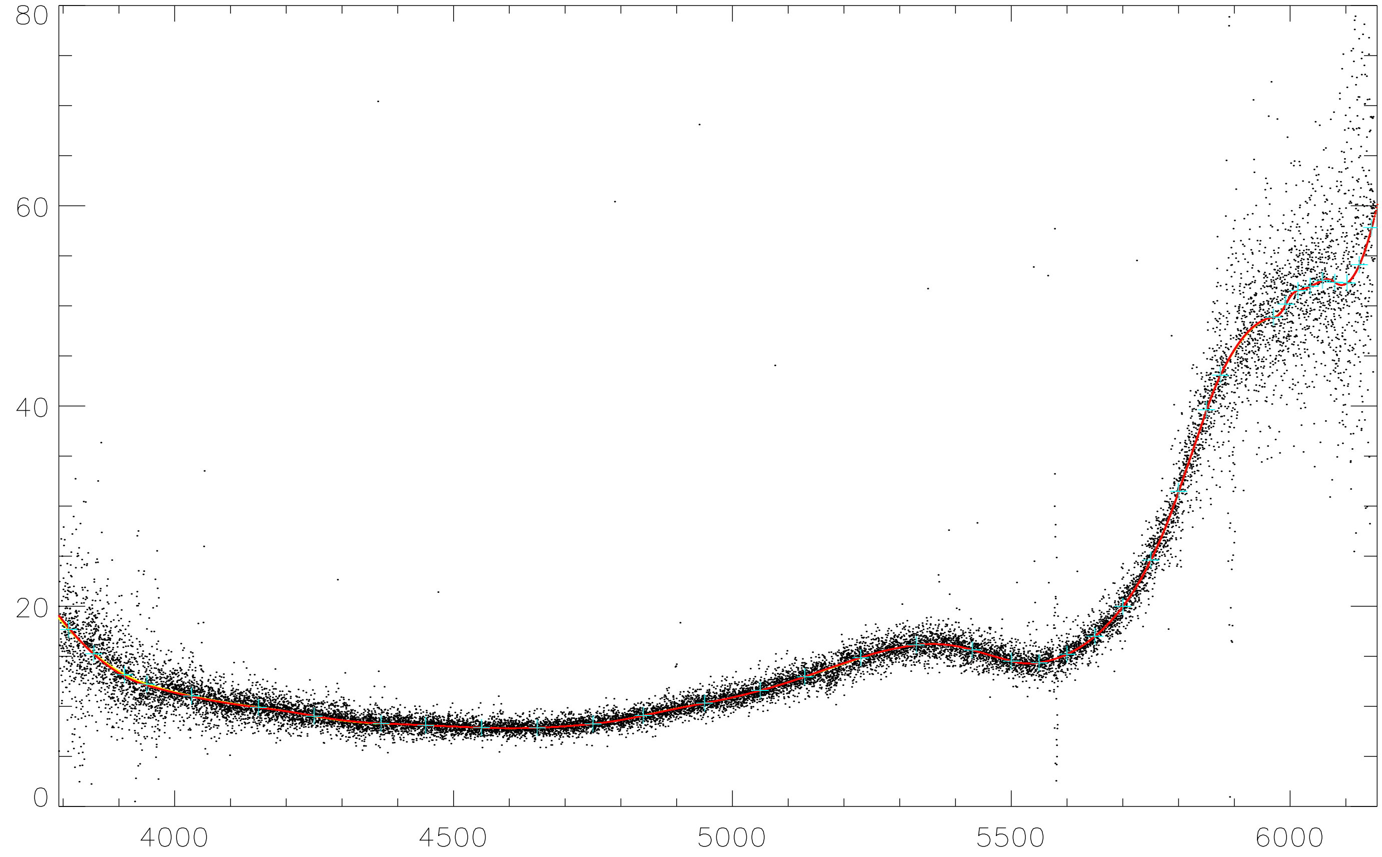
80
60
40
20
0
6000
6500
7000
7500
8000
8500
9000


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

PLATE=1143 MJD=52581 Spectro−Photo Calib for r1−00016757

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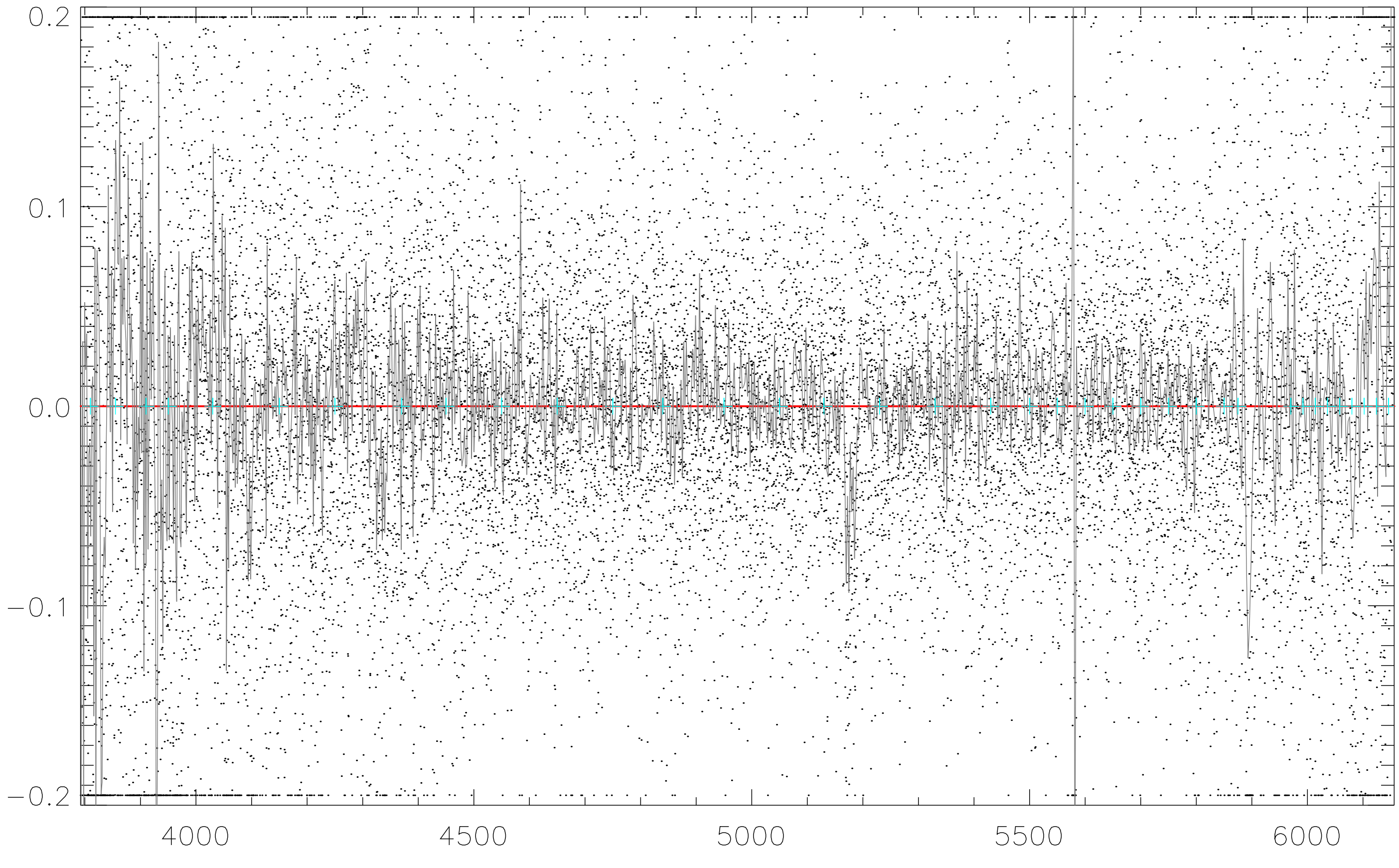
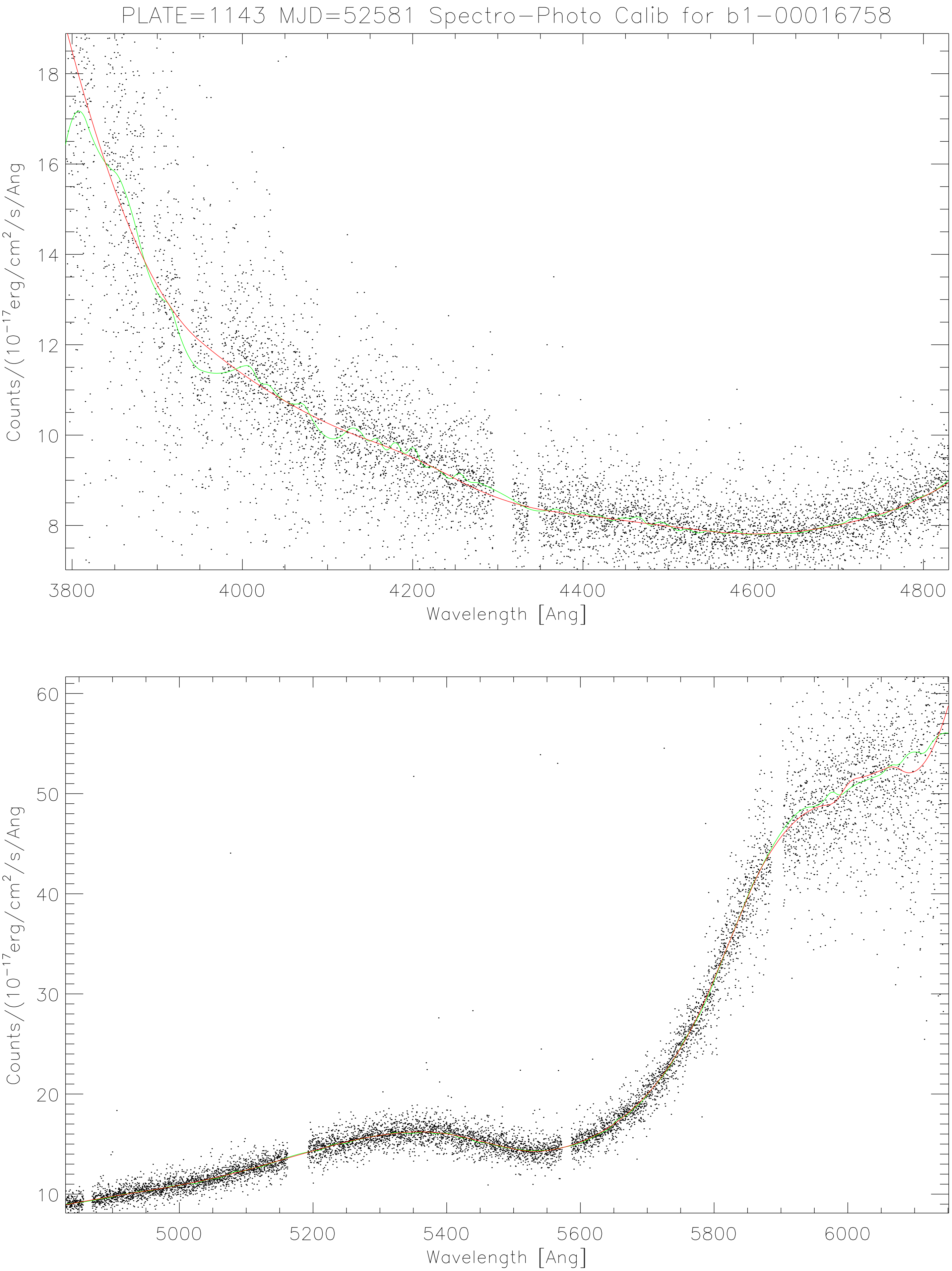
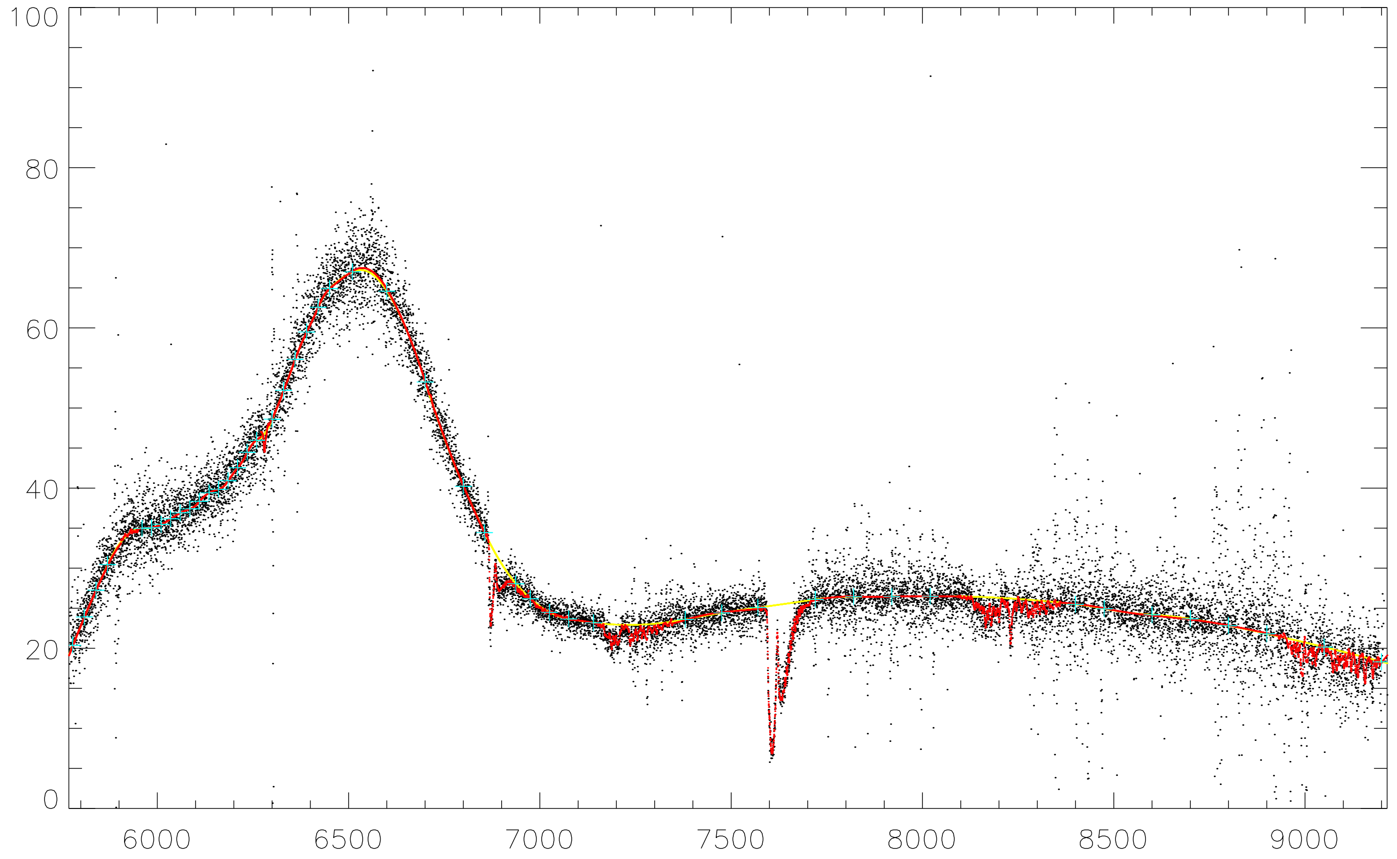
60
40
20
0
4000
4500
5000
5500
6000


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


PLATE=1143 MJD=52581 Spectro-Photo Calib for b1-00016758
Counts/(10^{-17}erg/cm^{2}/s/Ang
18
16
14
12
10
8
3800
4000
4200
4400
4600
4800
Wavelength [Ang]
Counts/(10^{-17}erg/cm^{2}/s/Ang
60
50
40
30
20
10
5000
5200
5400
5600
5800
6000
Wavelength [Ang]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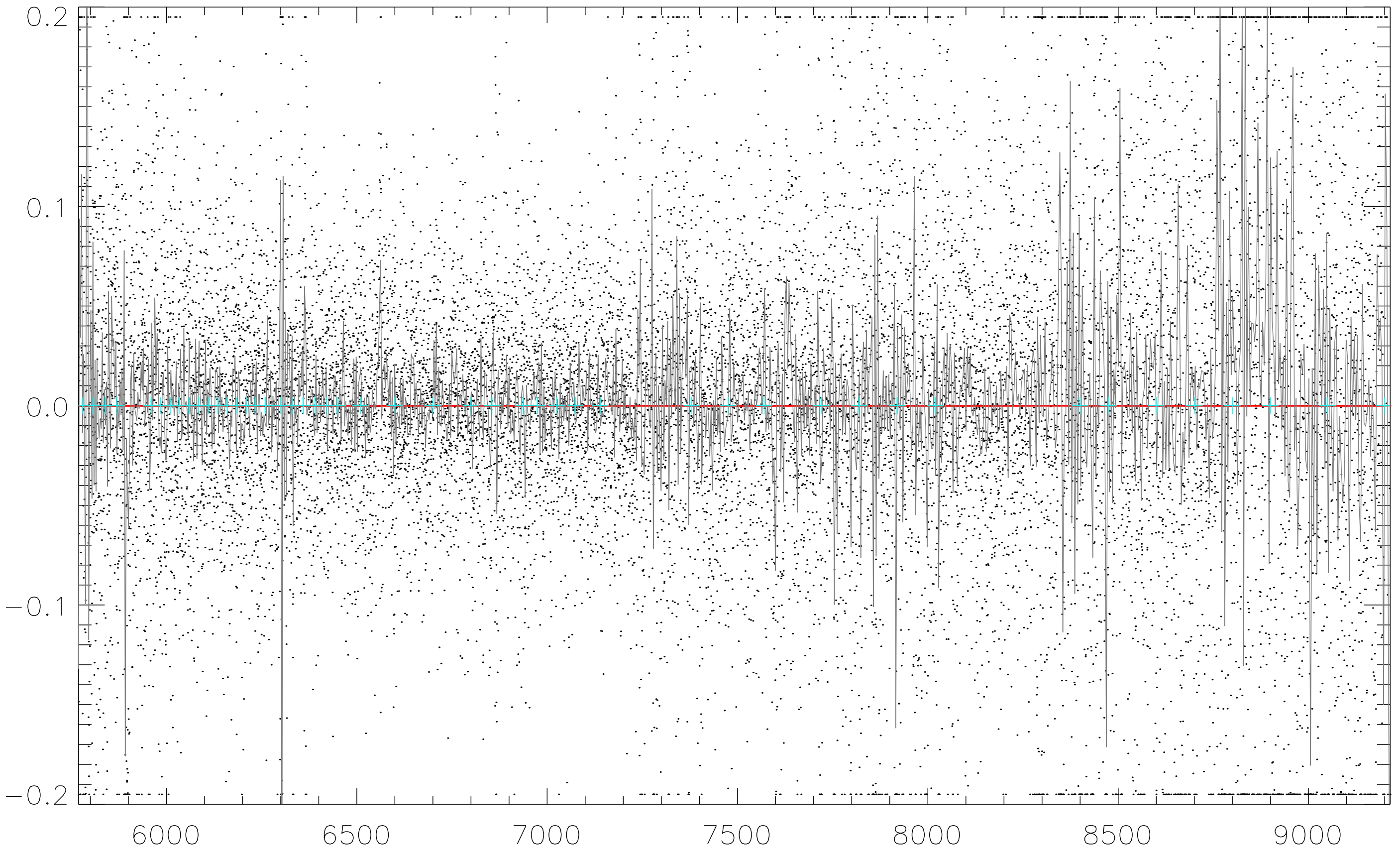
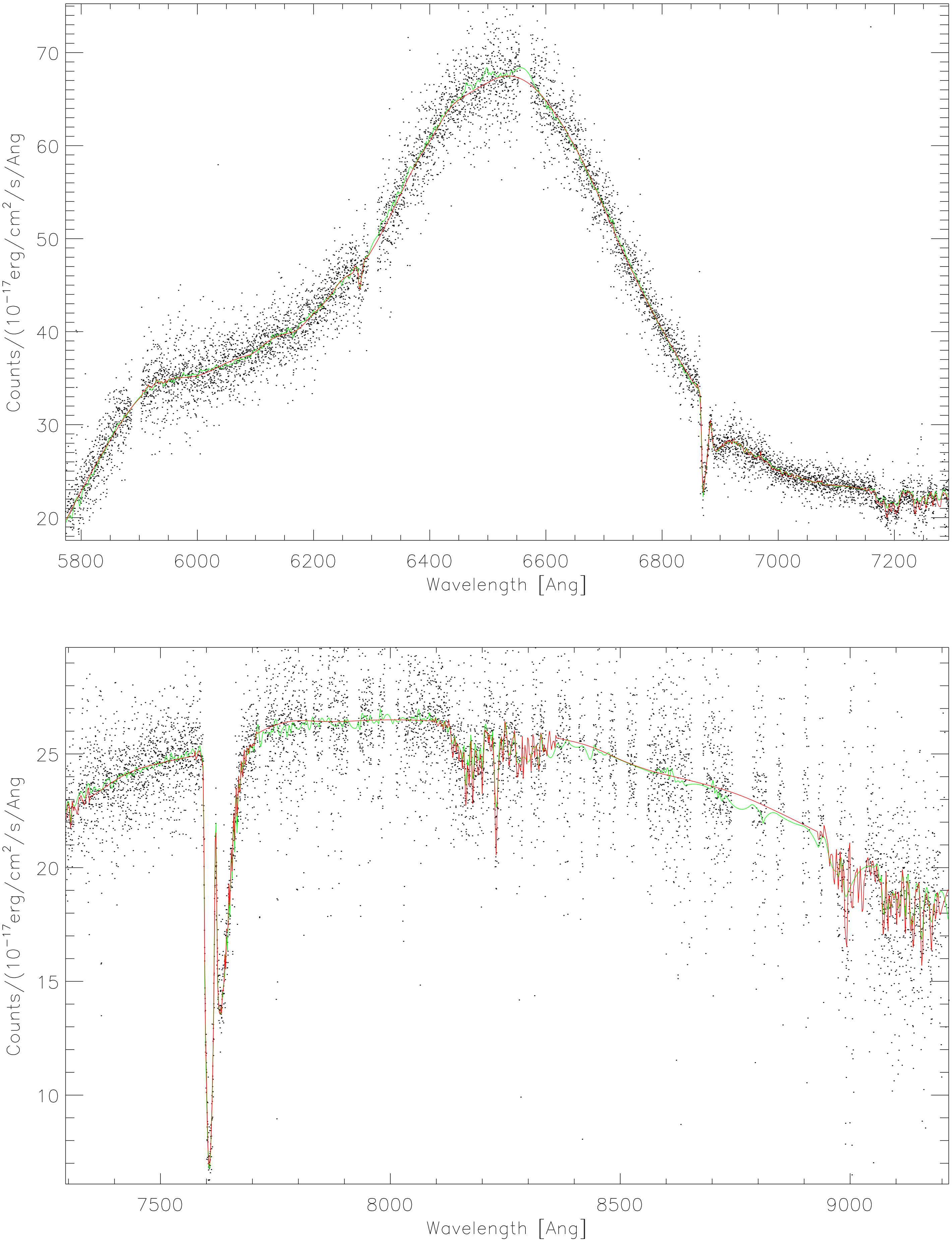
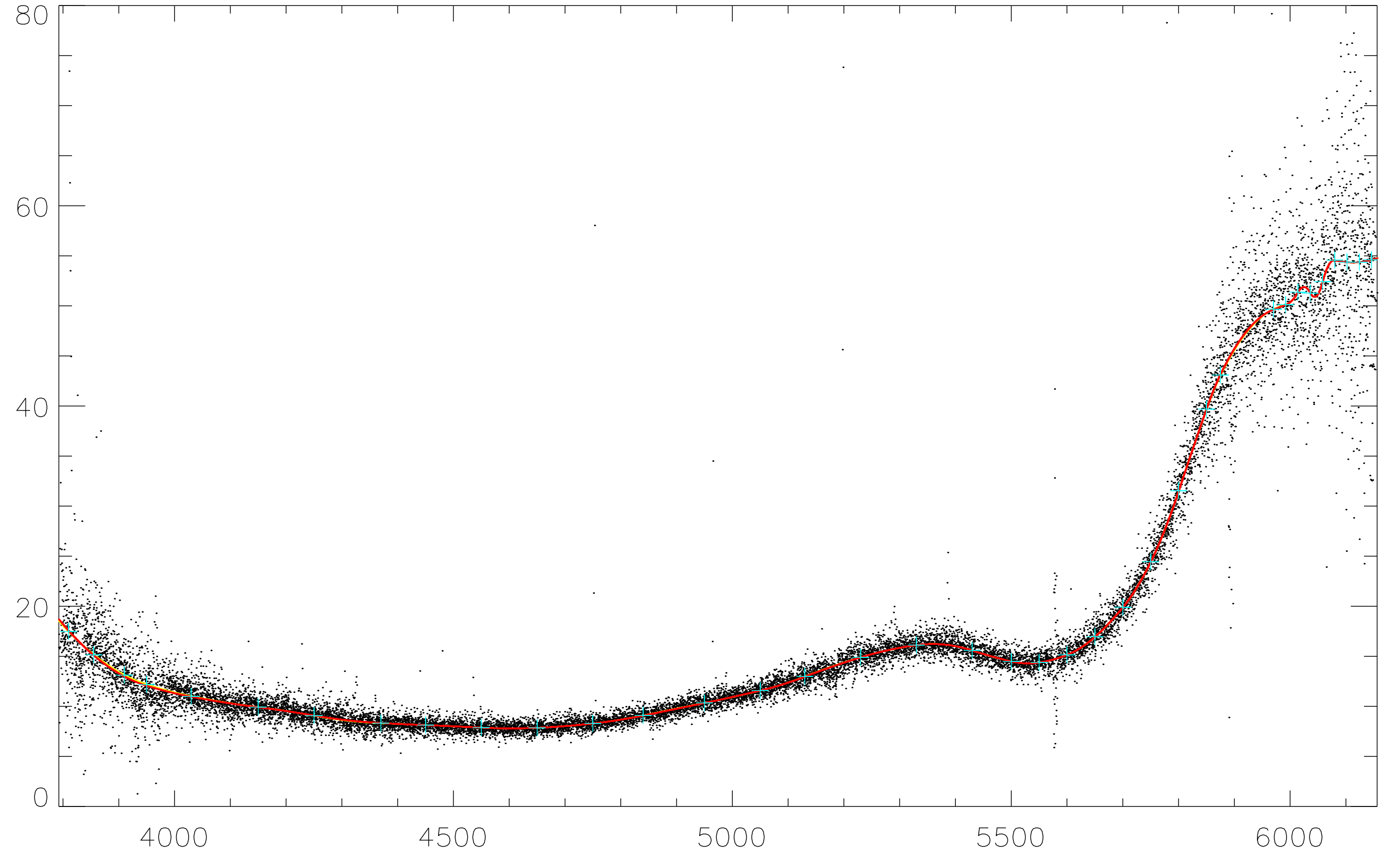
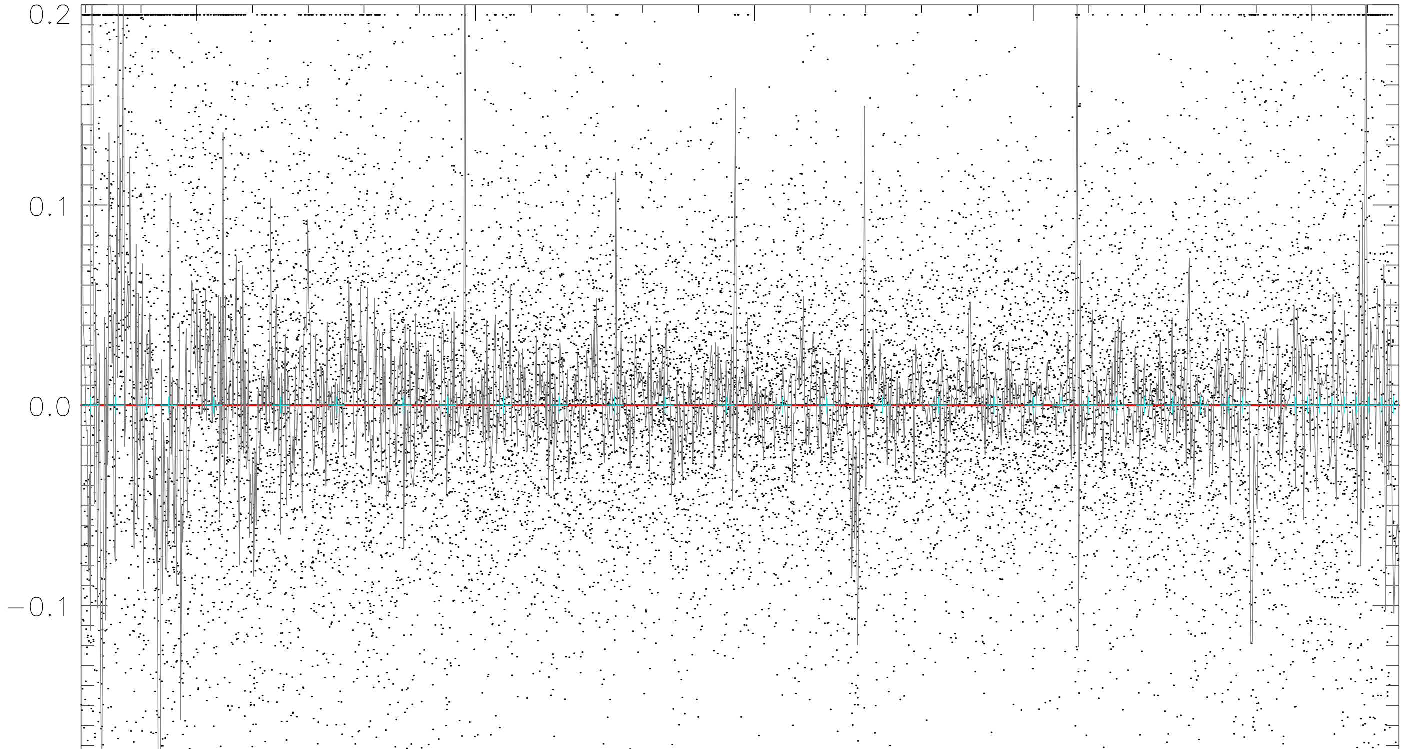
80
60
40
20
0
6000
6500
7000
7500
8000
8500
9000

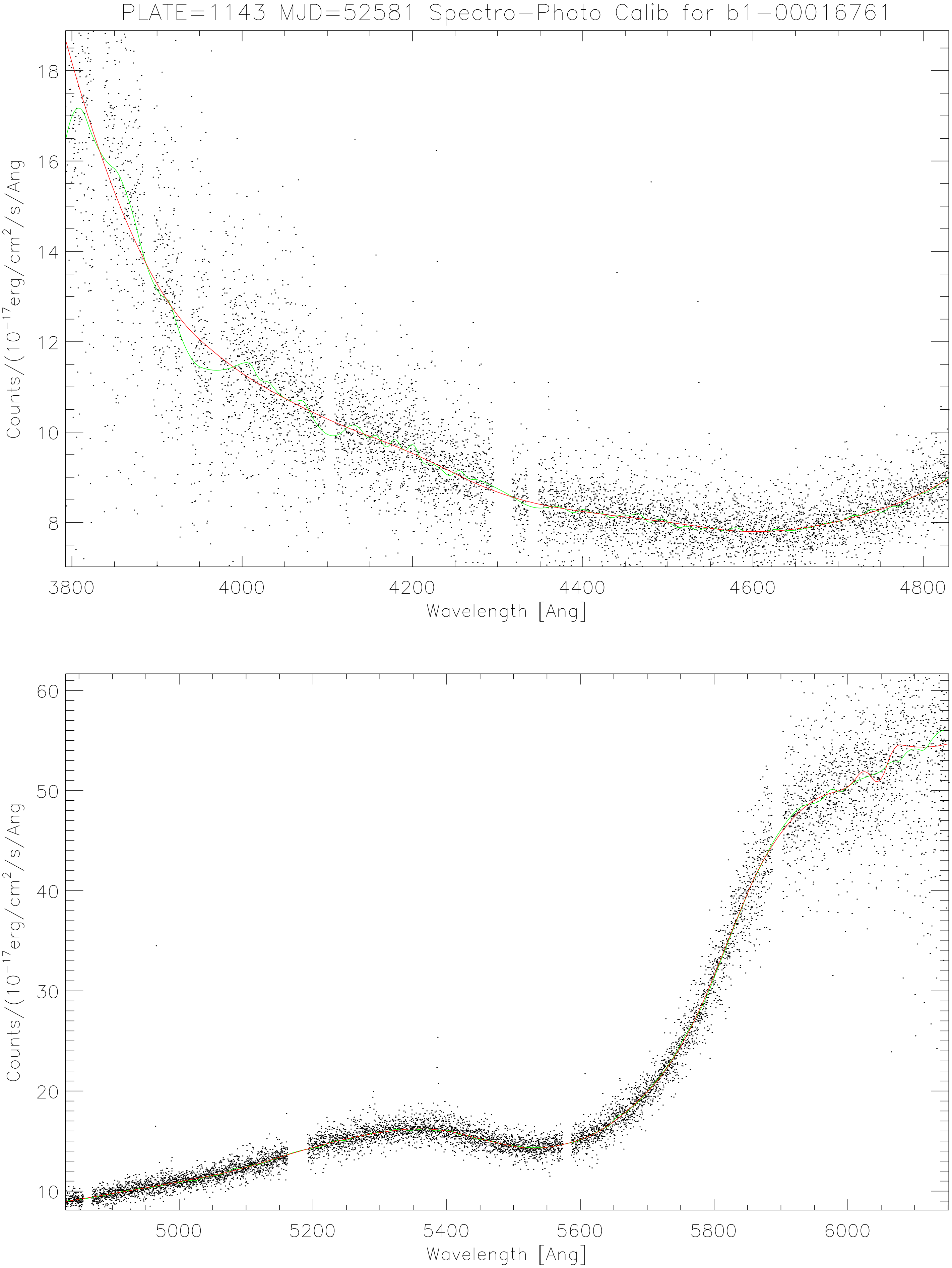

0.2
0.1
0.0
−0.1
−0.2
6000
6500
7000
7500
8000
8500
9000

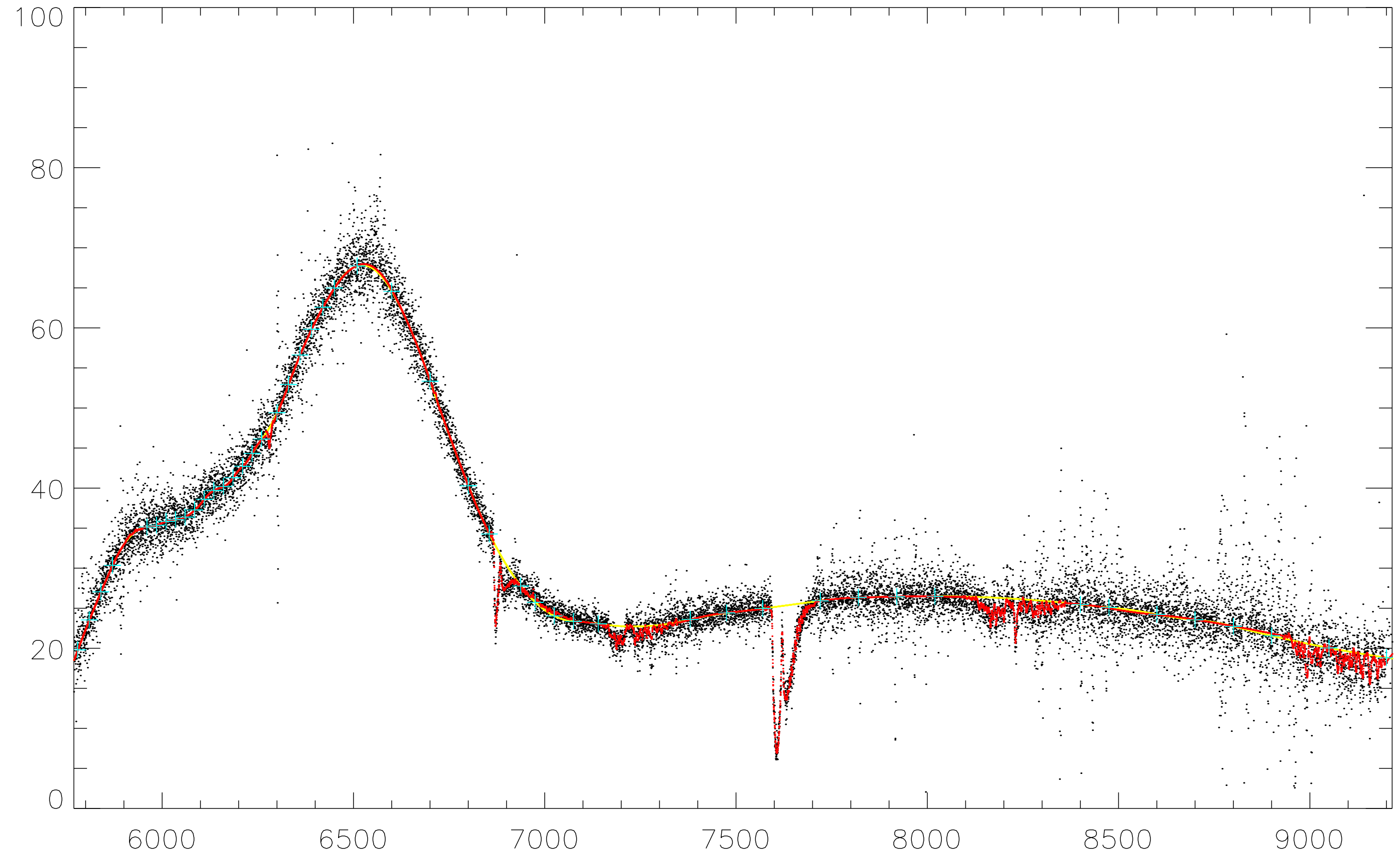
PLATE=1143 MJD=52581 Spectro−Photo Calib for r1−00016758

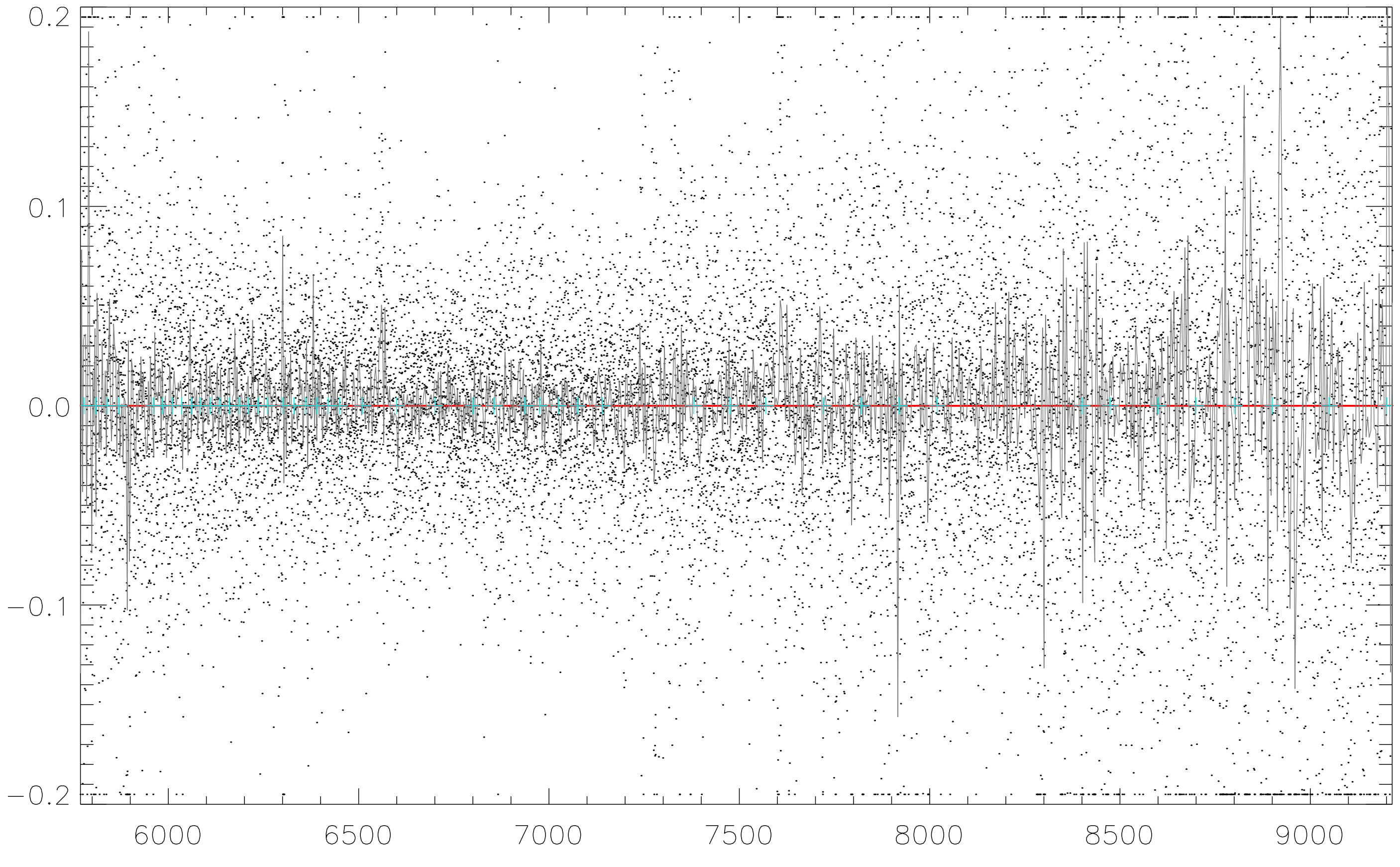



80
60
40
20
0
4000
4500
5000
5500
6000

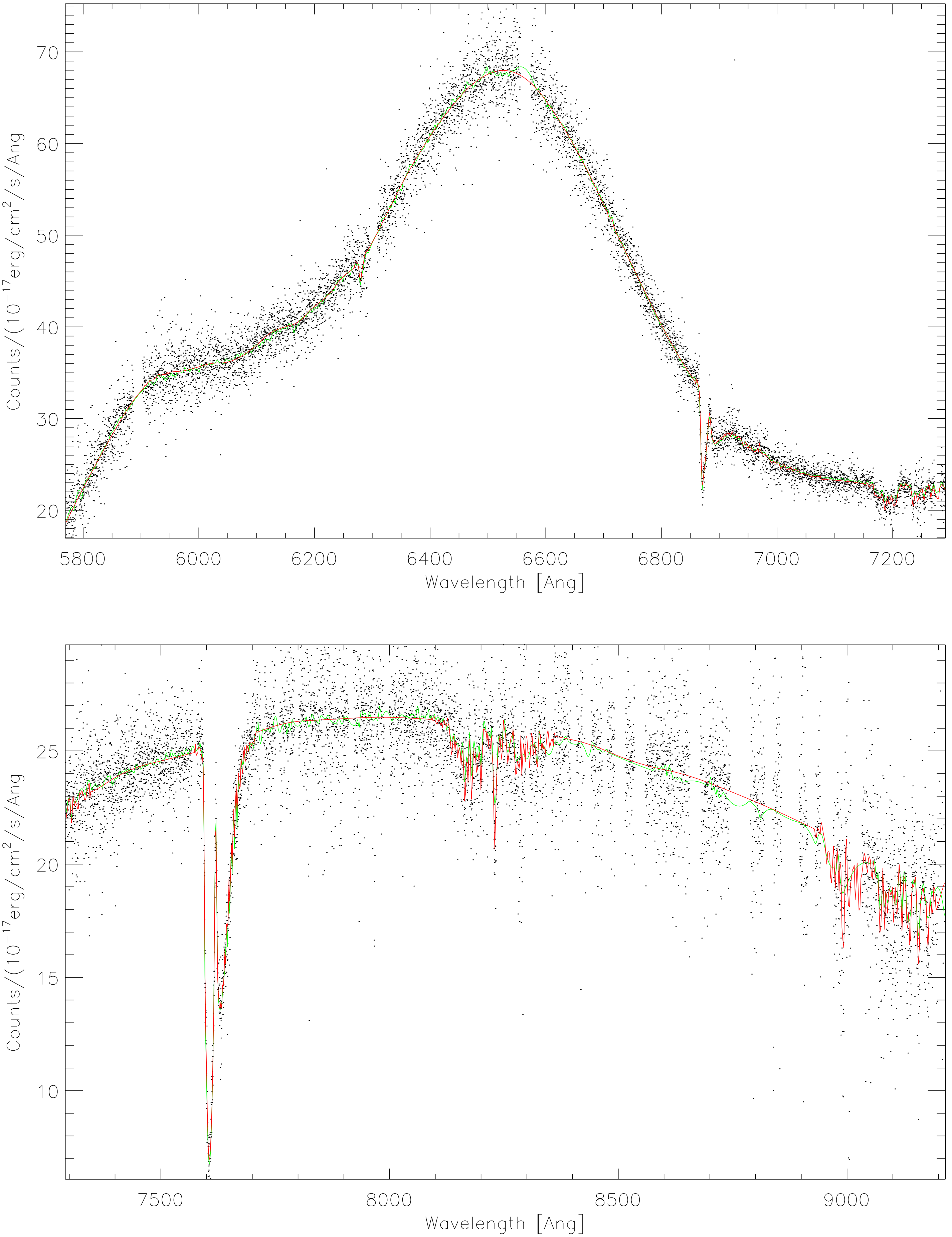

0.2
0.1
0.0
−0.1
−0.2
4000
4500
5000
5500
6000

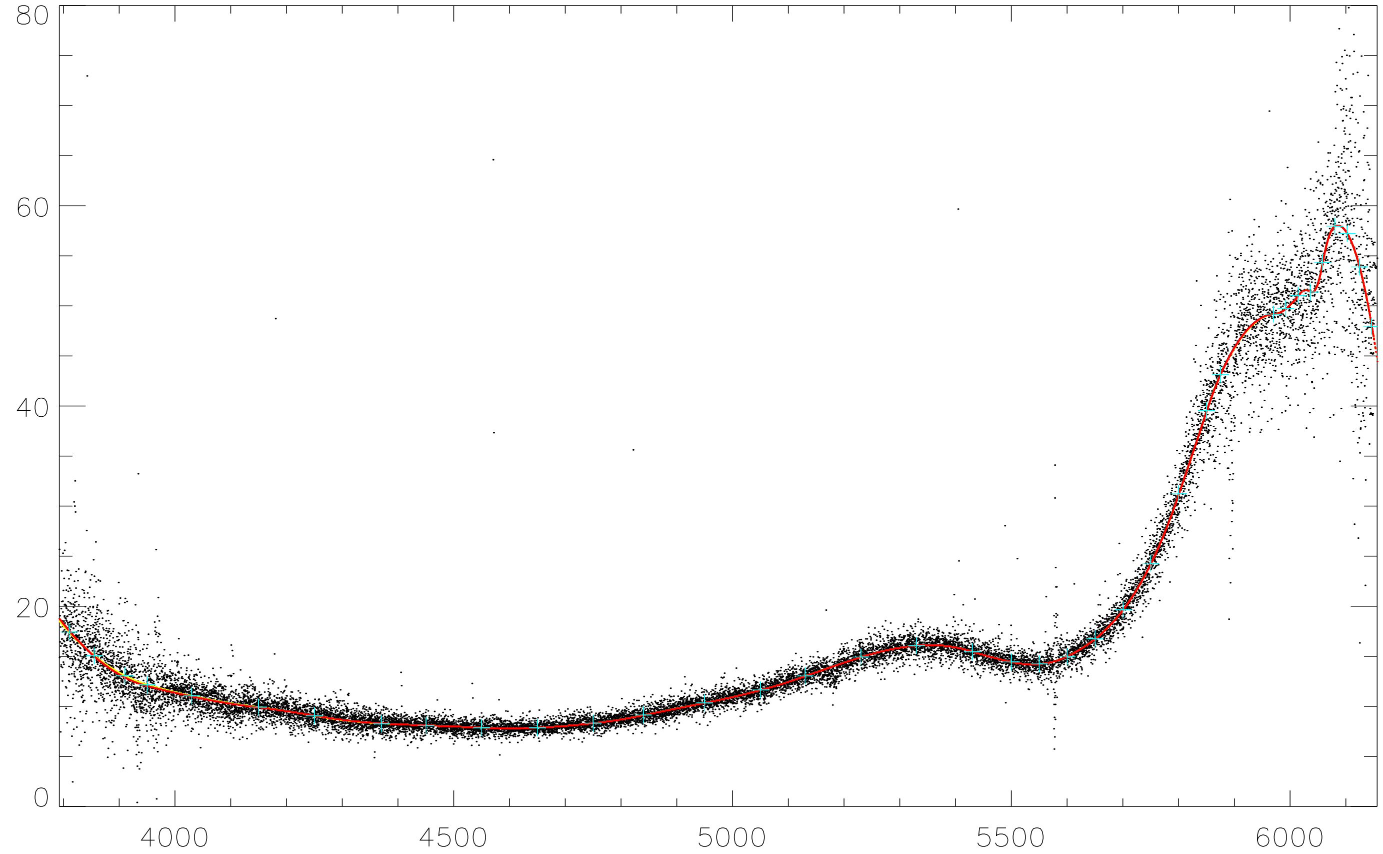

PLATE=1143 MJD=52581 Spectro-Photo Calib for b1-00016761
Counts/(10^{-17}erg/cm^2/s/Ang
18
16
14
12
10
8
3800
4000
4200
4400
4600
4800
Wavelength [Ang]
Counts/(10^{-17}erg/cm^2/s/Ang
60
50
40
30
20
10
5000
5200
5400
5600
5800
6000
Wavelength [Ang]

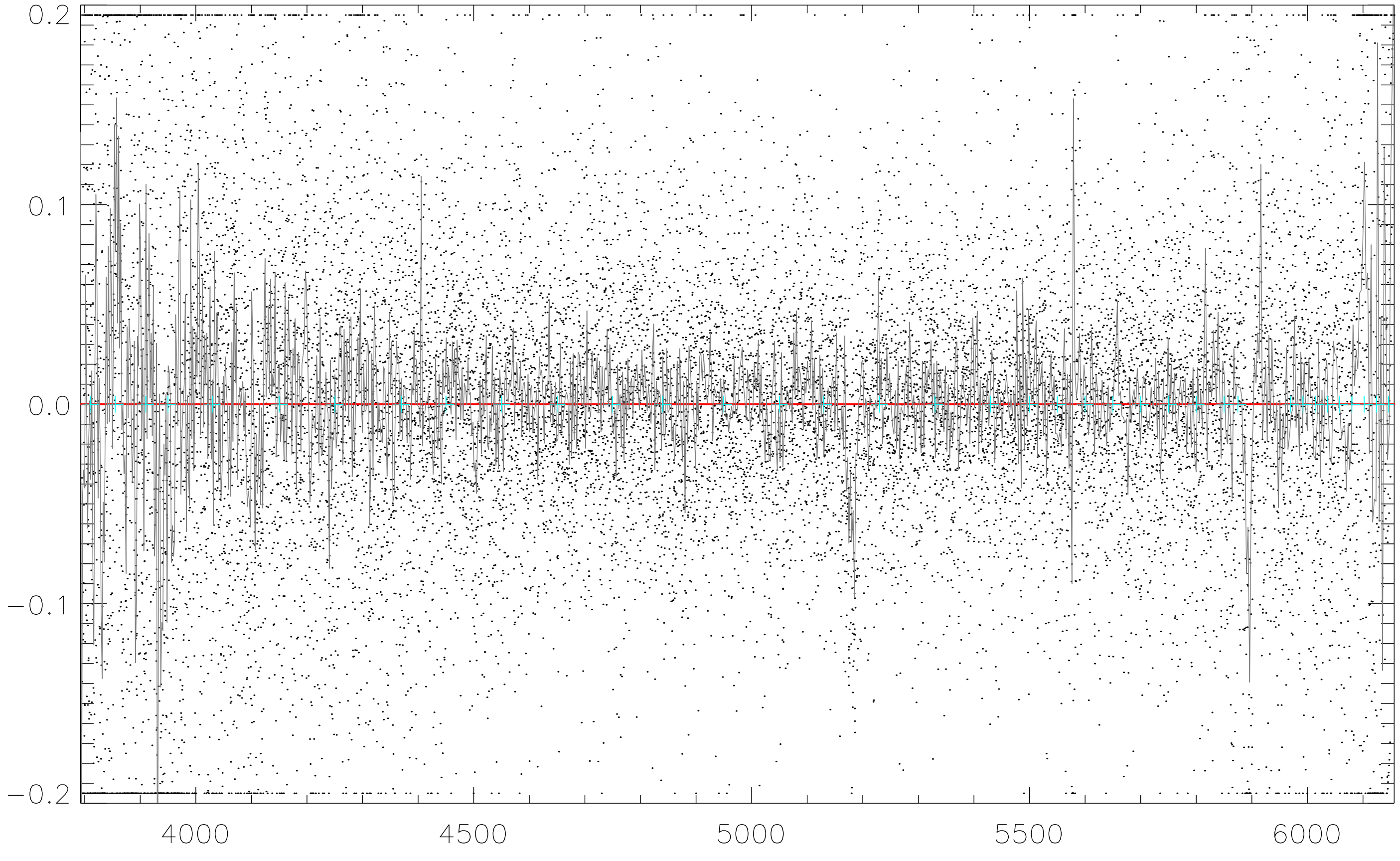

100
80
60
40
20
0
6000
6500
7000
7500
8000
8500
9000


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

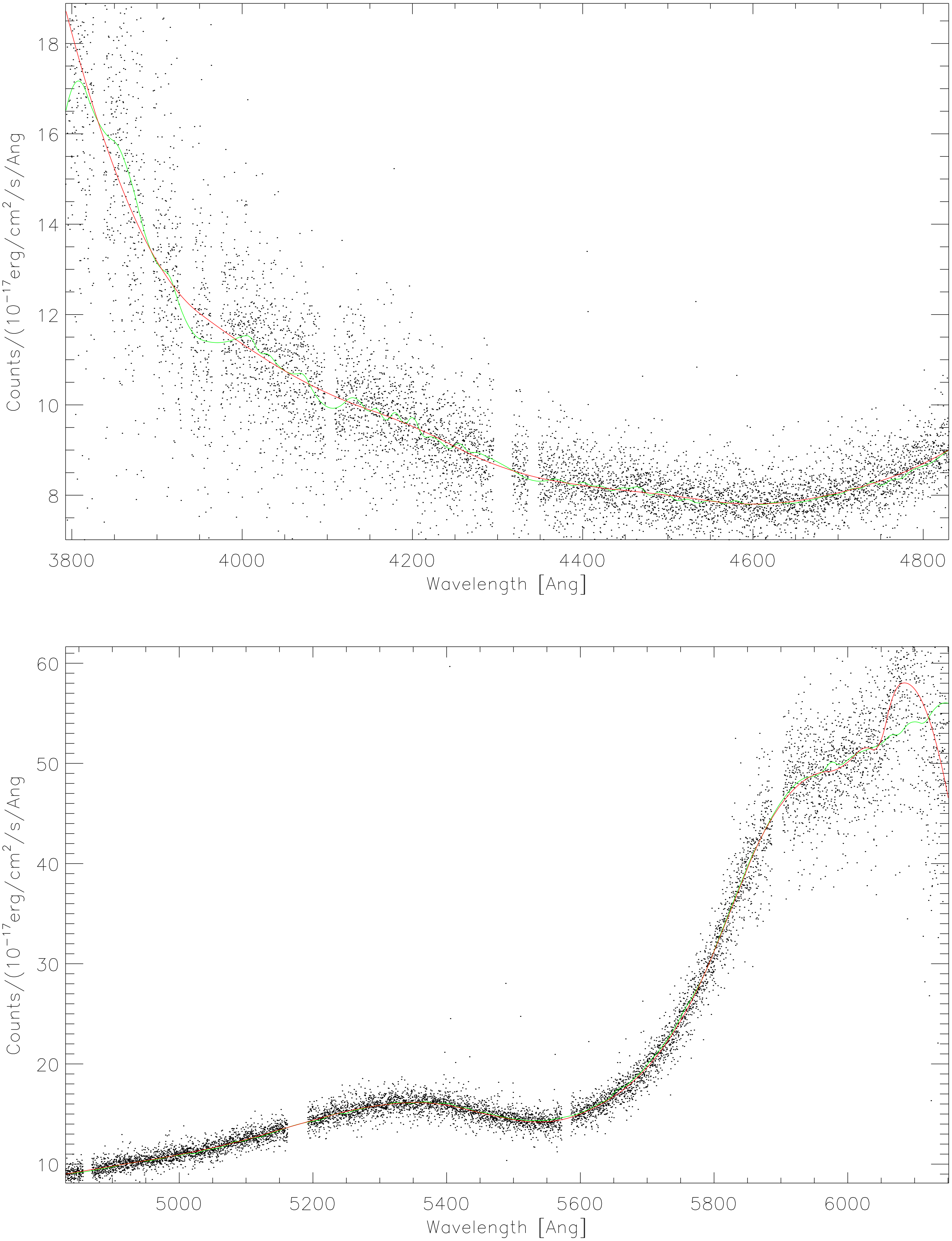
PLATE=1143 MJD=52581 Spectro−Photo Calib for r1−00016761

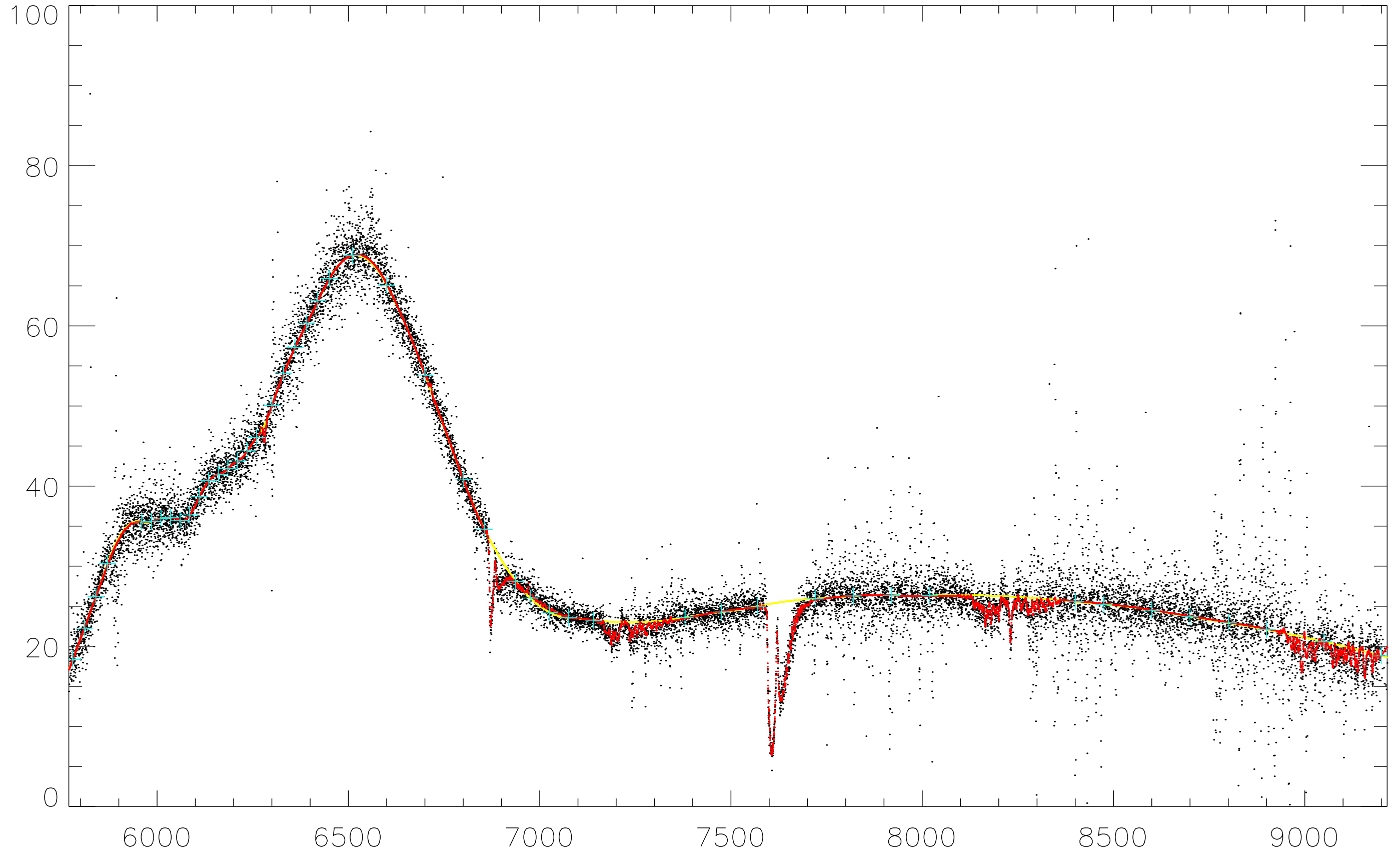


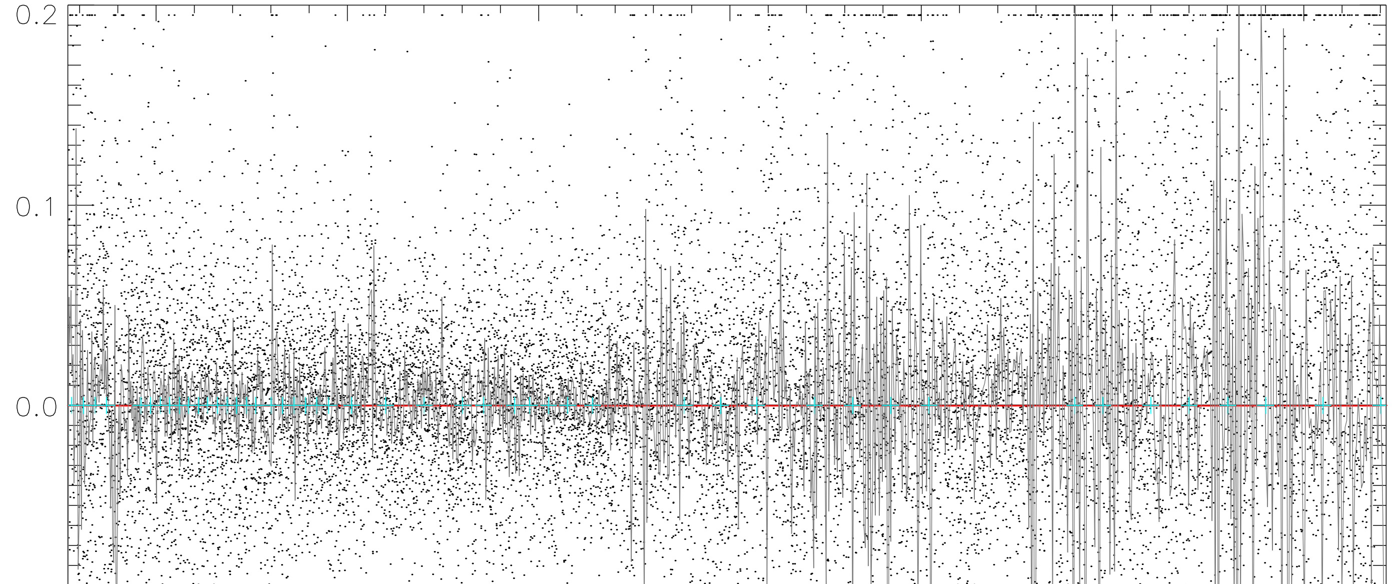

80
60
40
20
0
4000
4500
5000
5500
6000


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

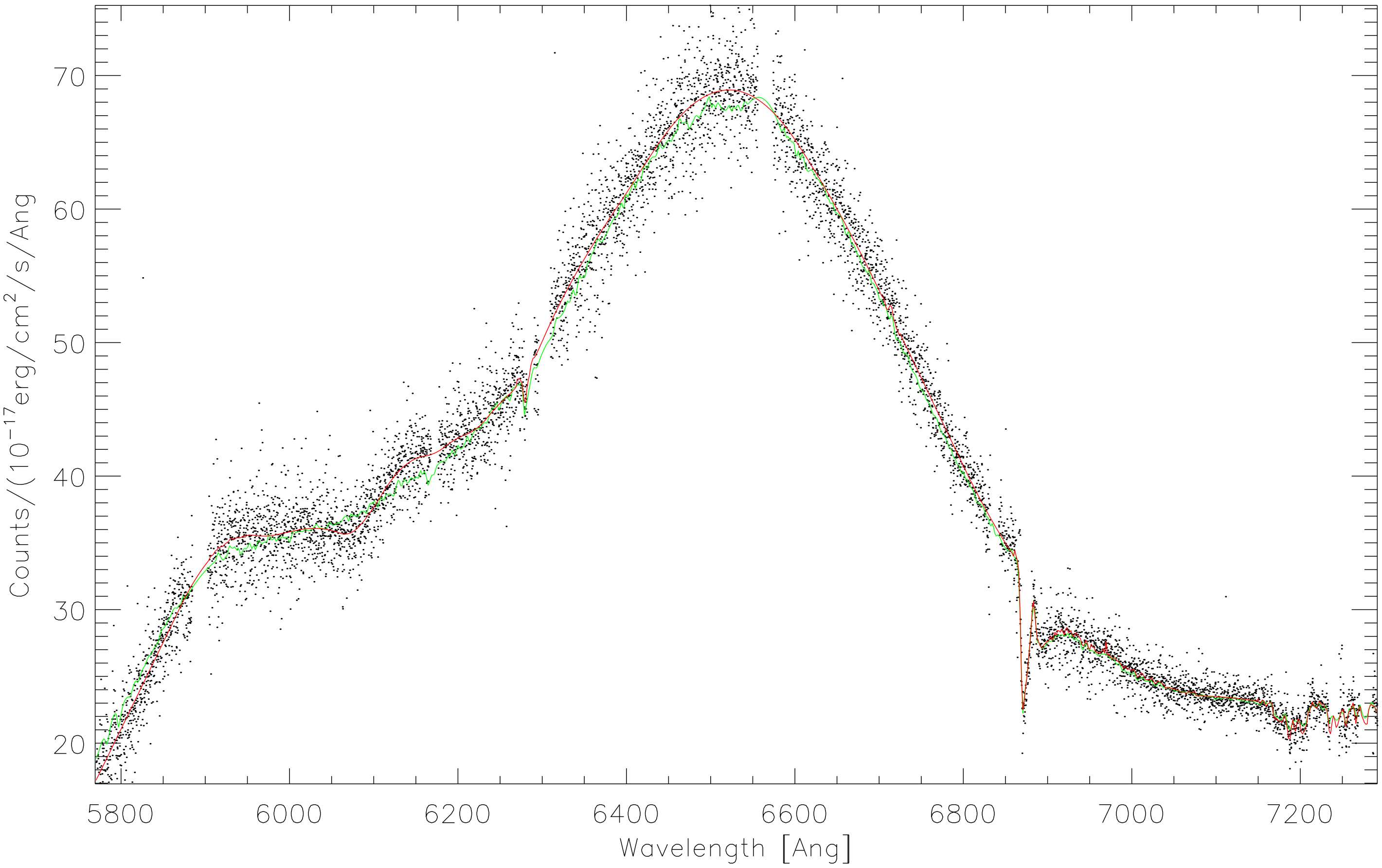
PLATE=1143 MJD=52581 Spectro-Photo Calib for b1-00016768

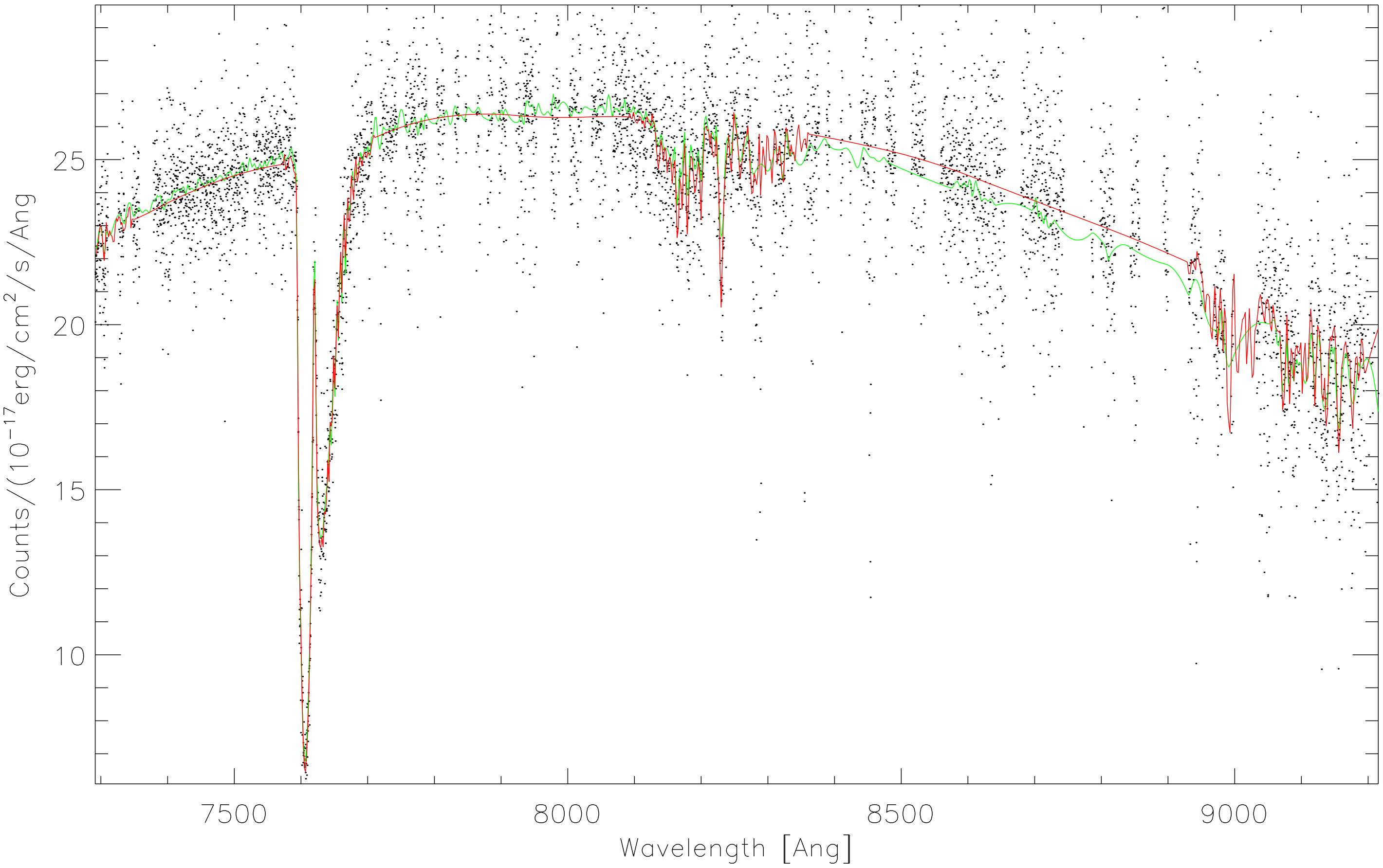


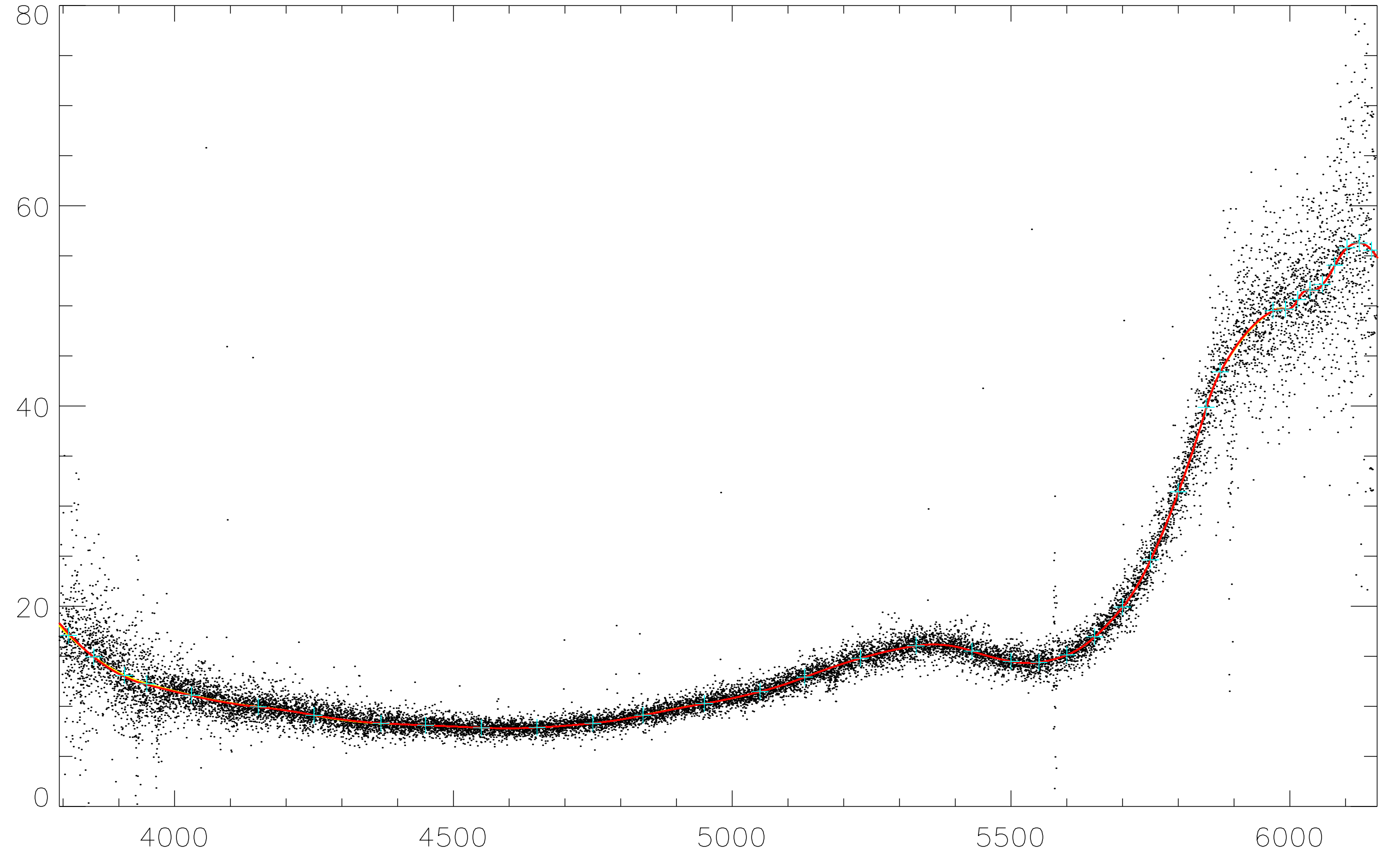

100
80
60
40
20
0
6000
6500
7000
7500
8000
8500
9000


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

PLATE=1143 MJD=52581 Spectro−Photo Calib for r1−00016768



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4500
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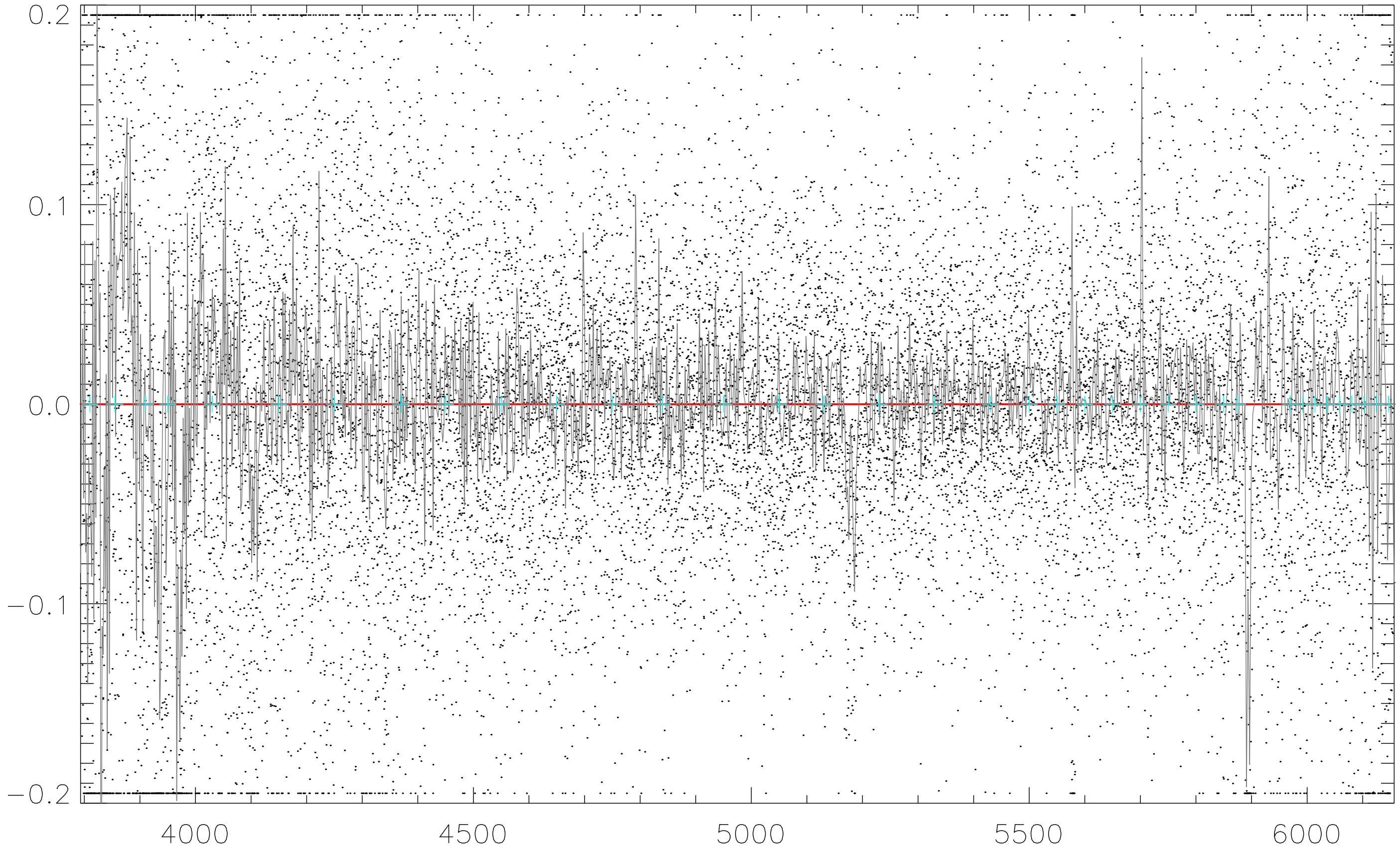
5500
6000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4500
5000
5500
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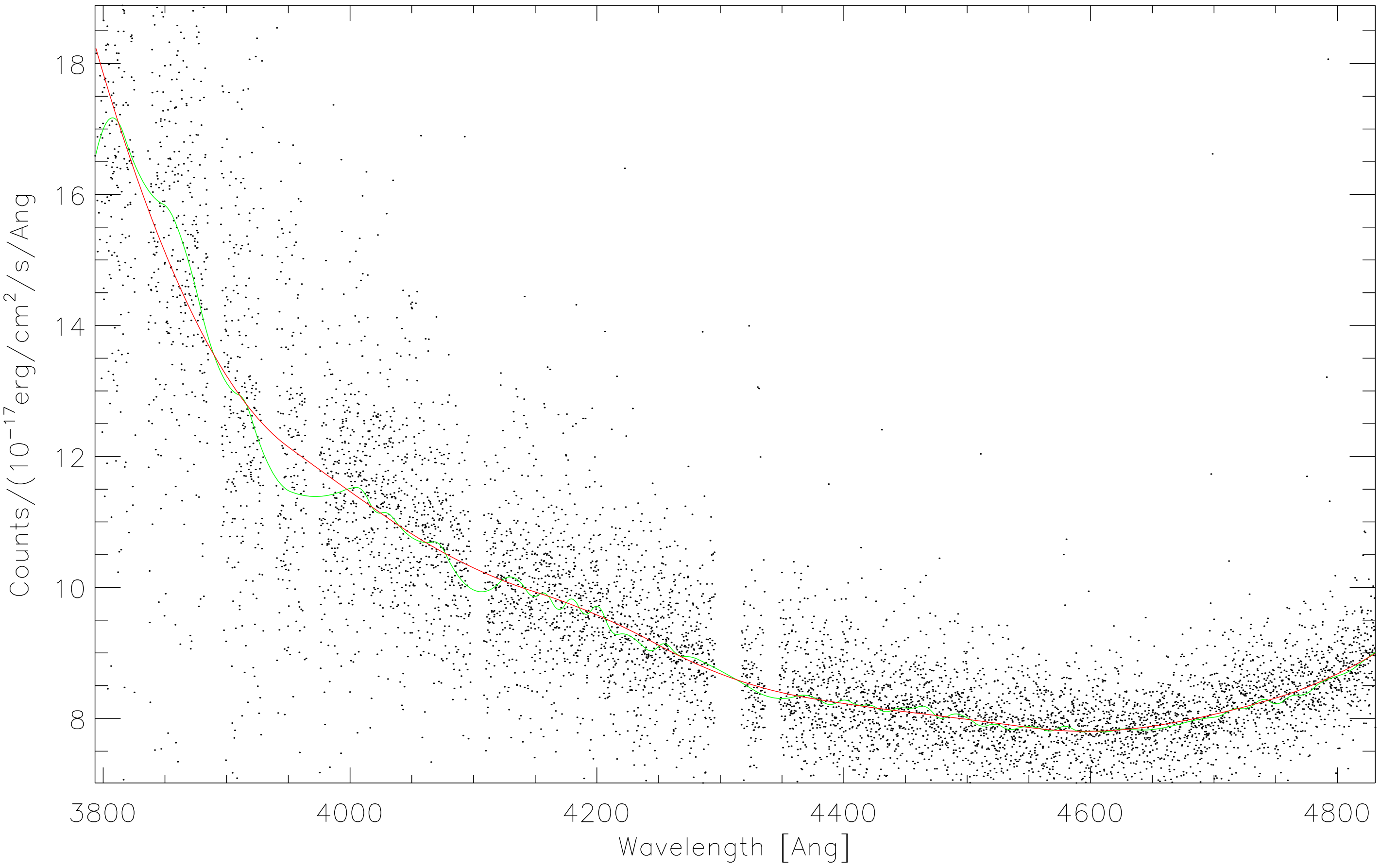
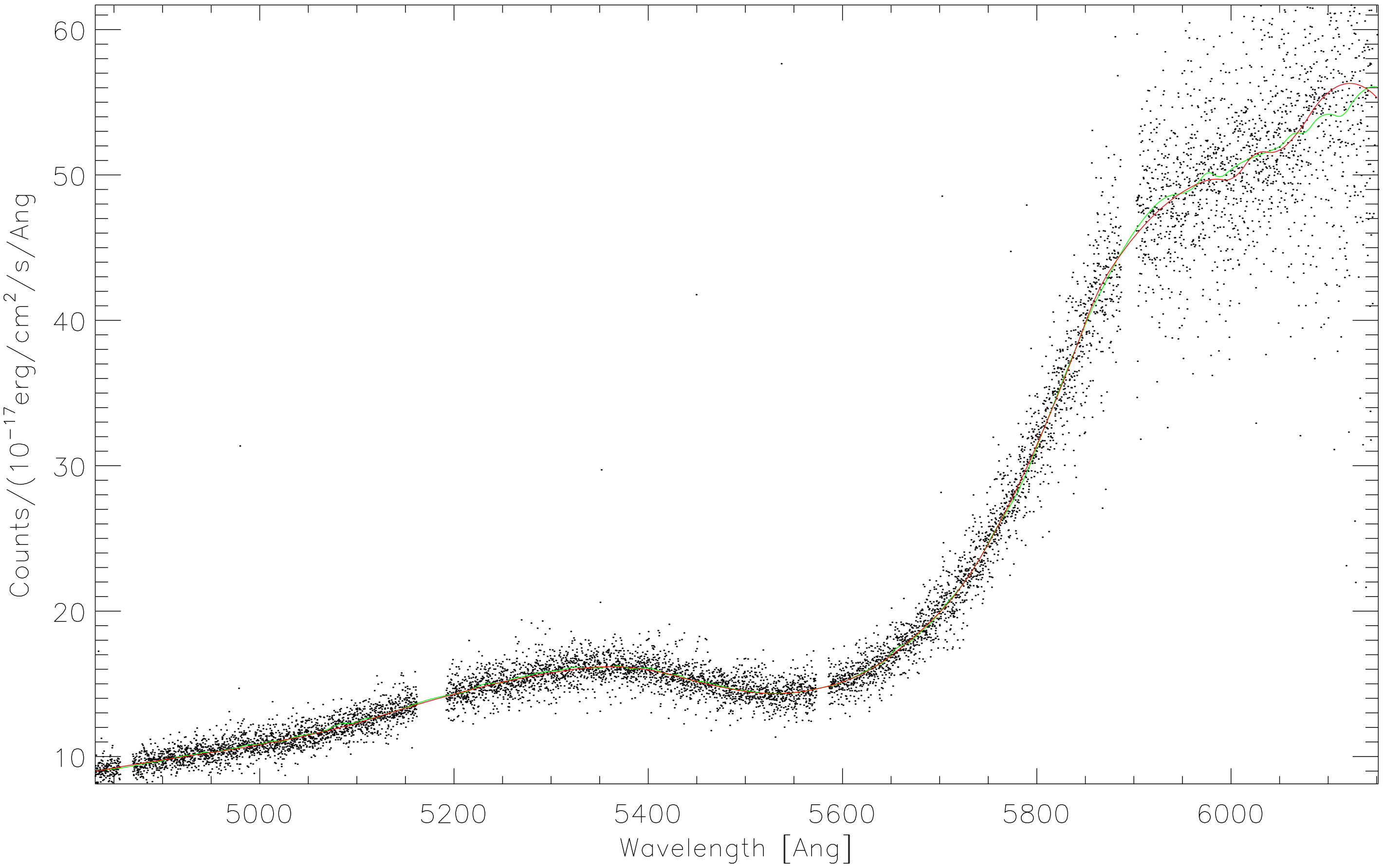
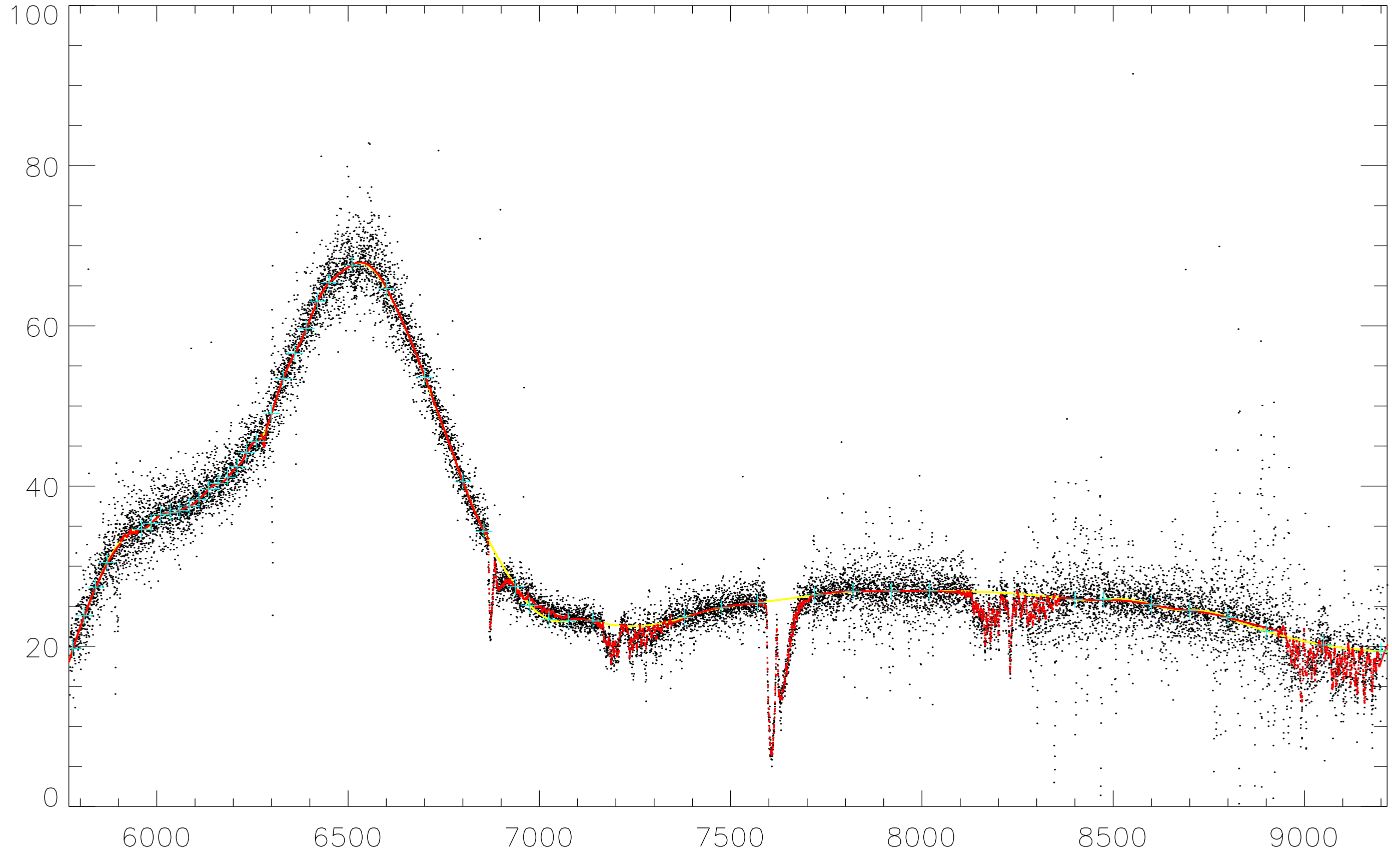
PLATE=1143 MJD=52582 Spectro-Photo Calib for b1-00016814



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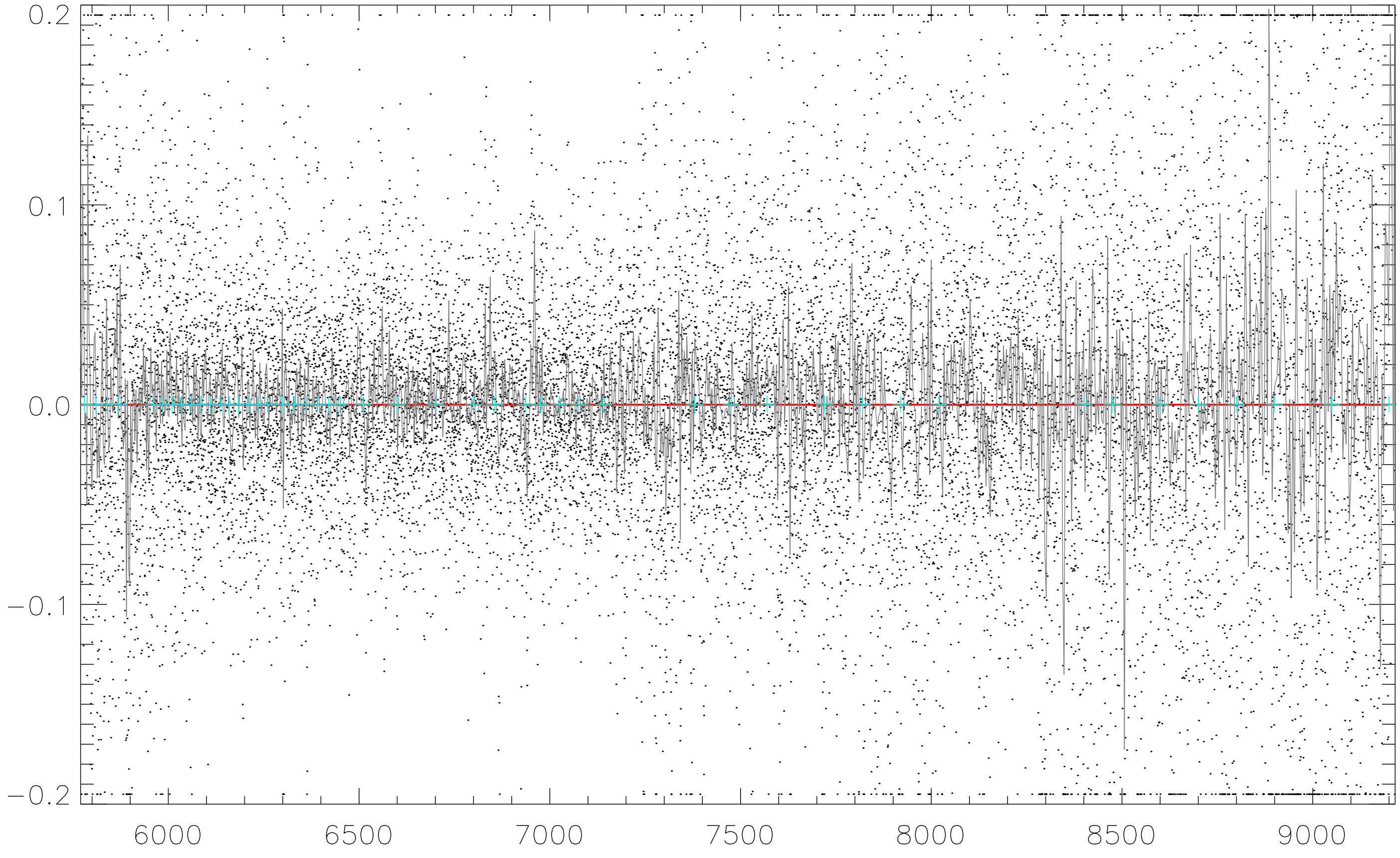
8000
8500
9000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6500
7000
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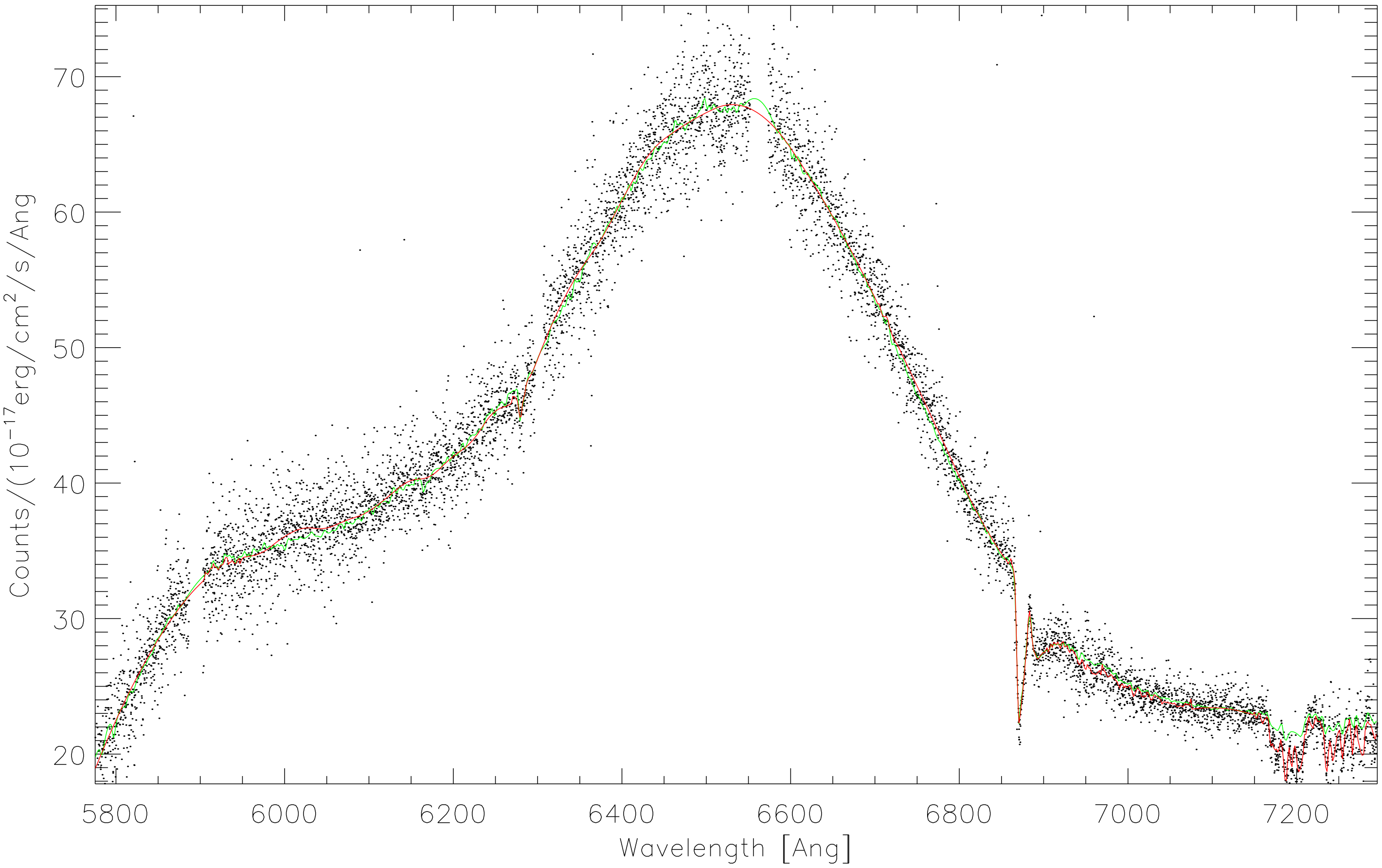
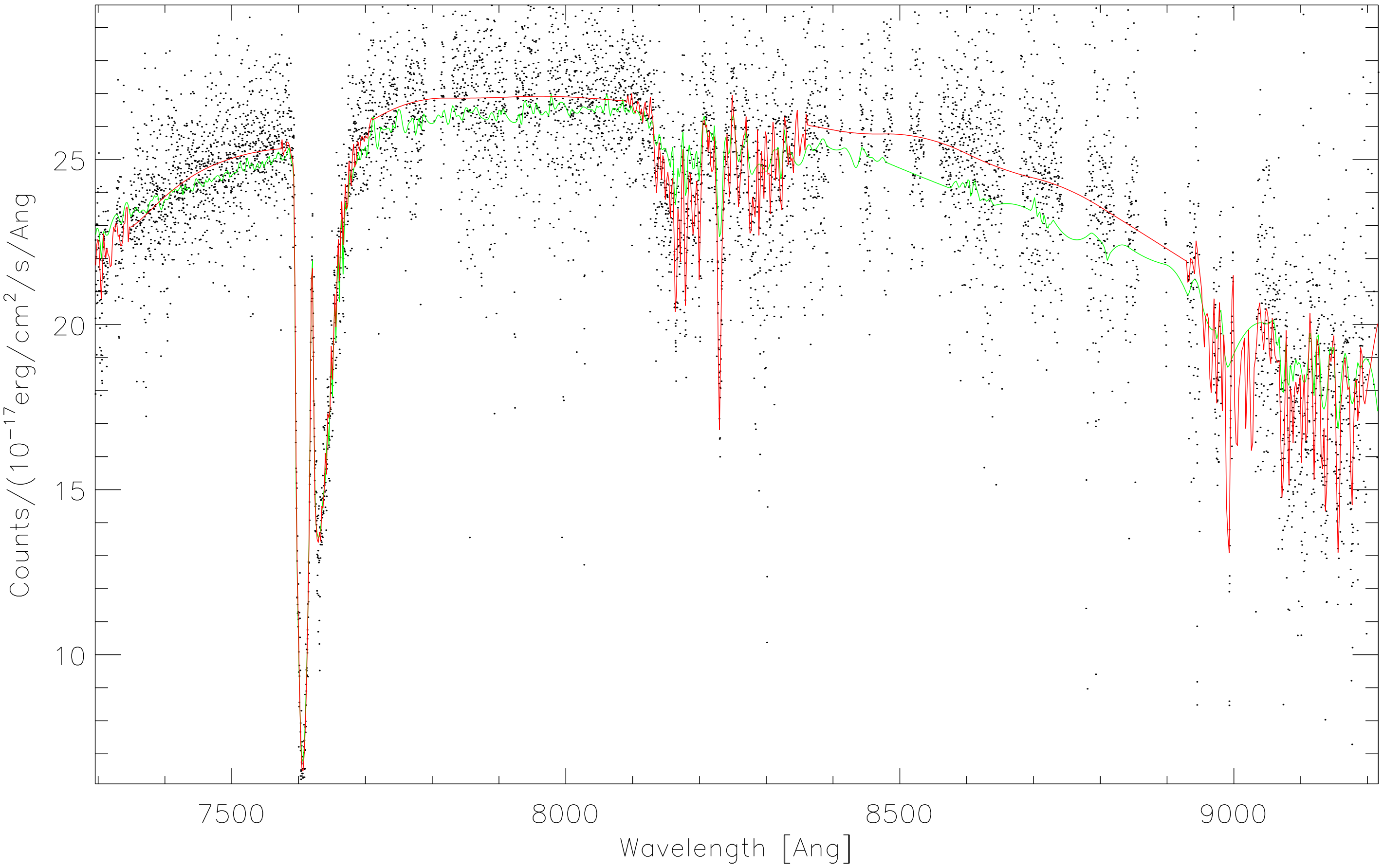
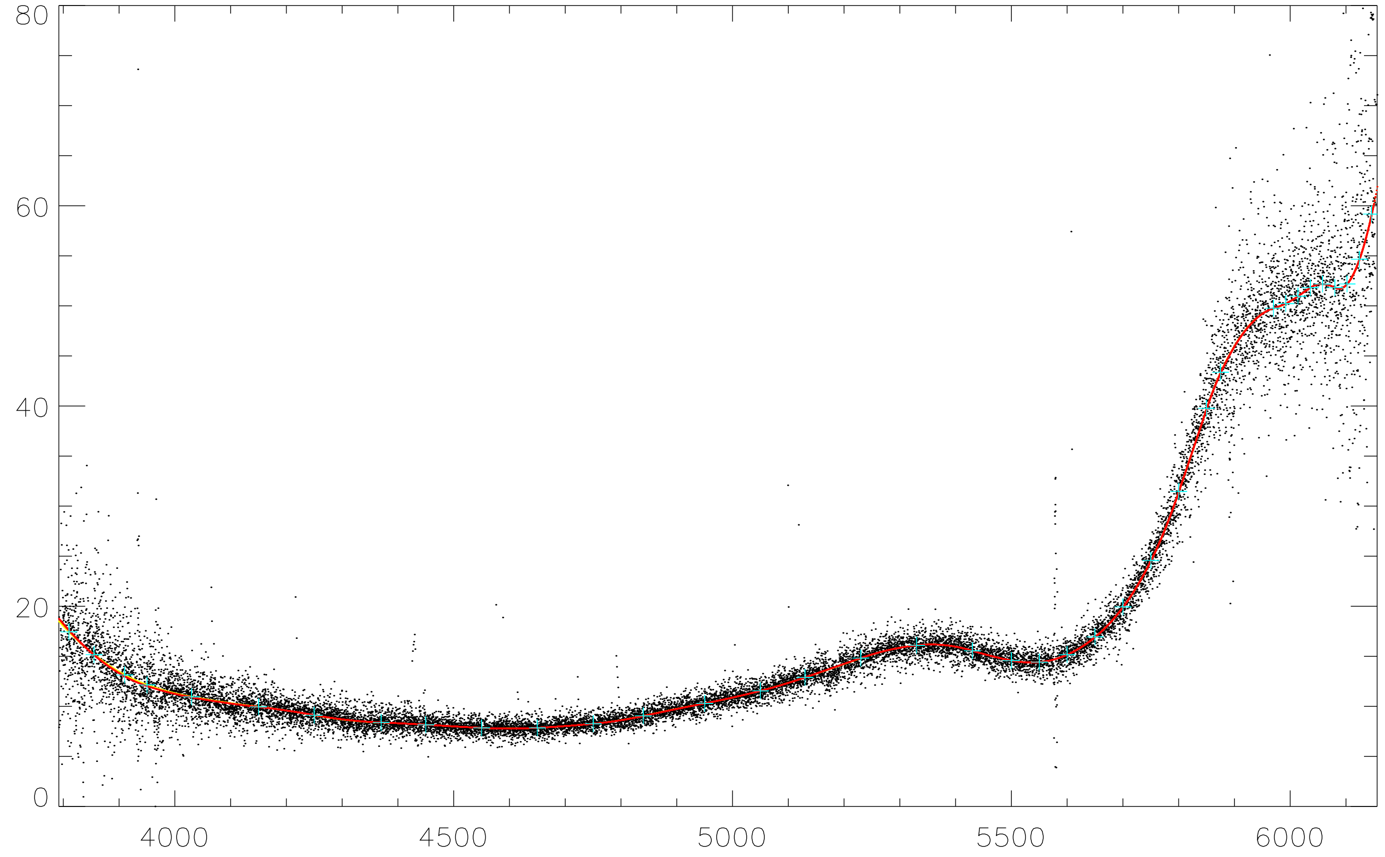
9000

PLATE=1143 MJD=52582 Spectro−Photo Calib for r1−00016814



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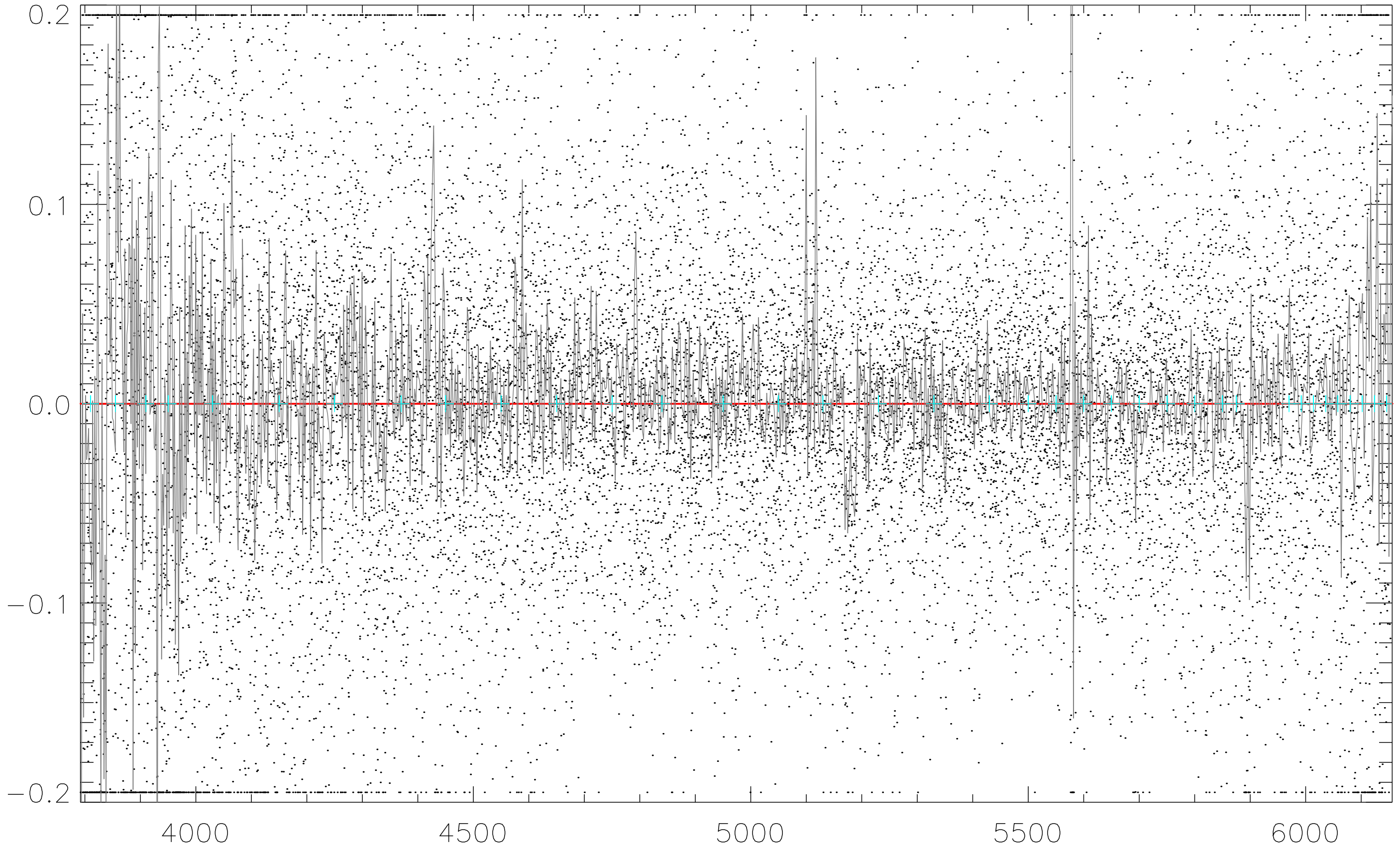
6000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5500
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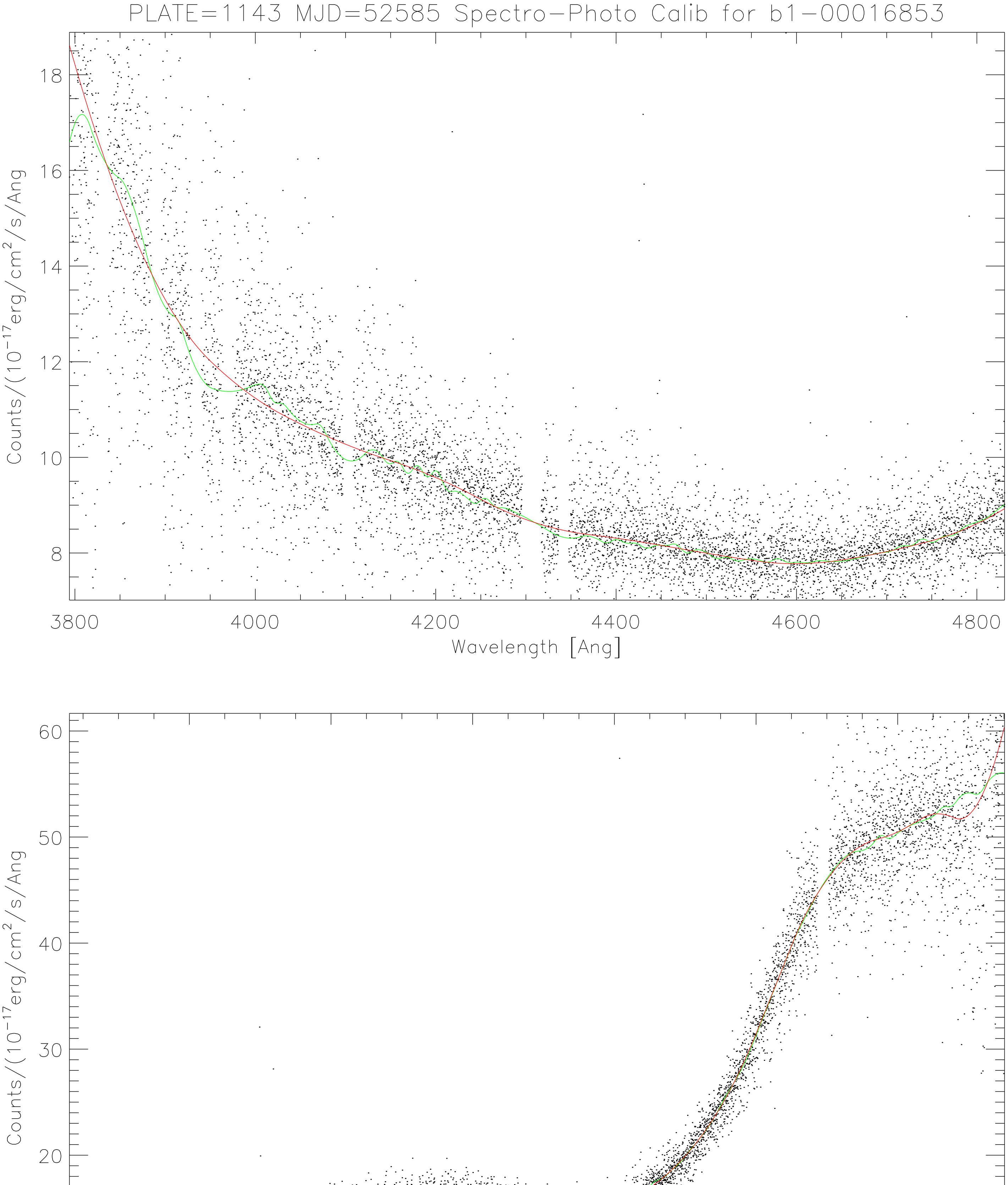
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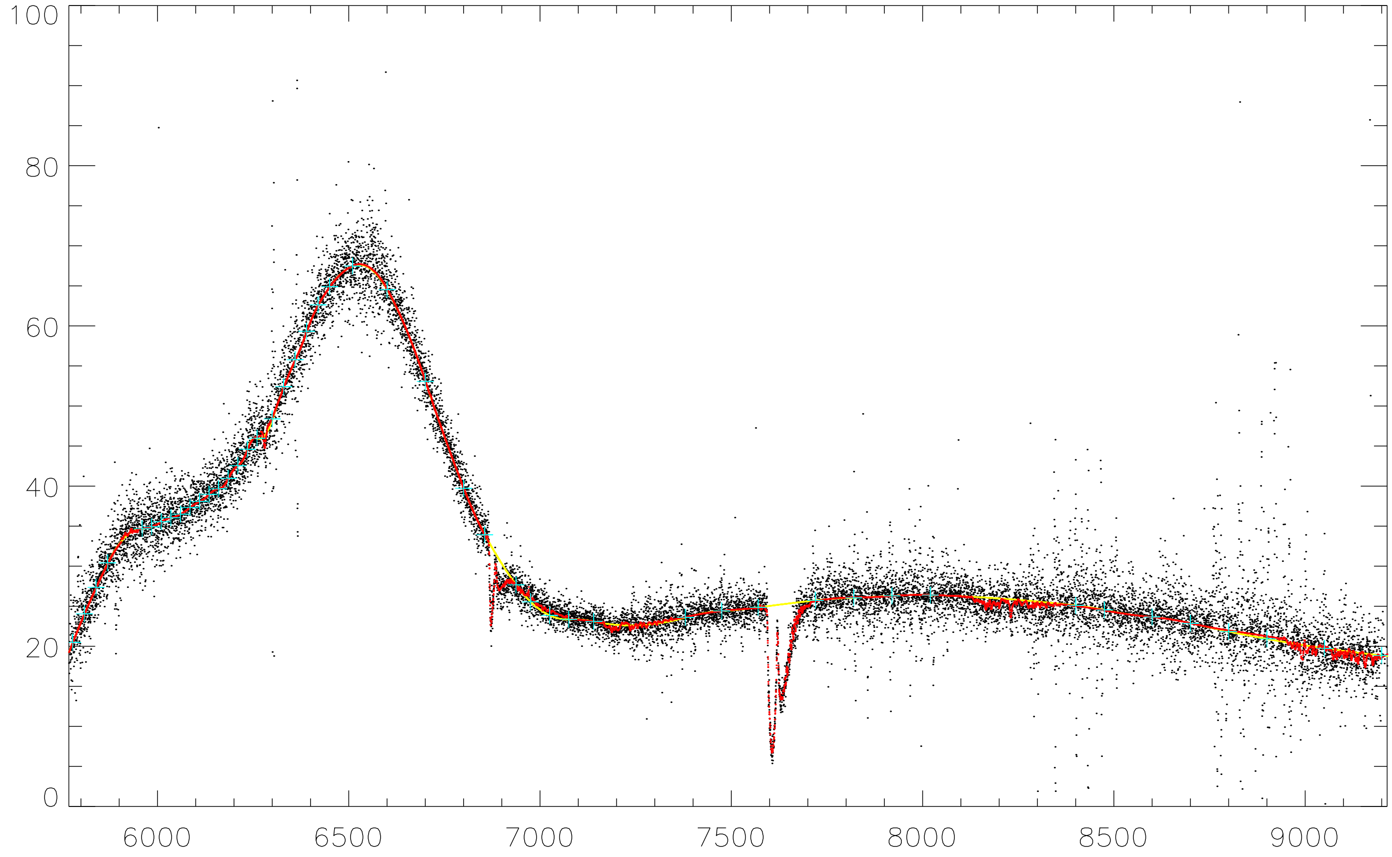
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8500
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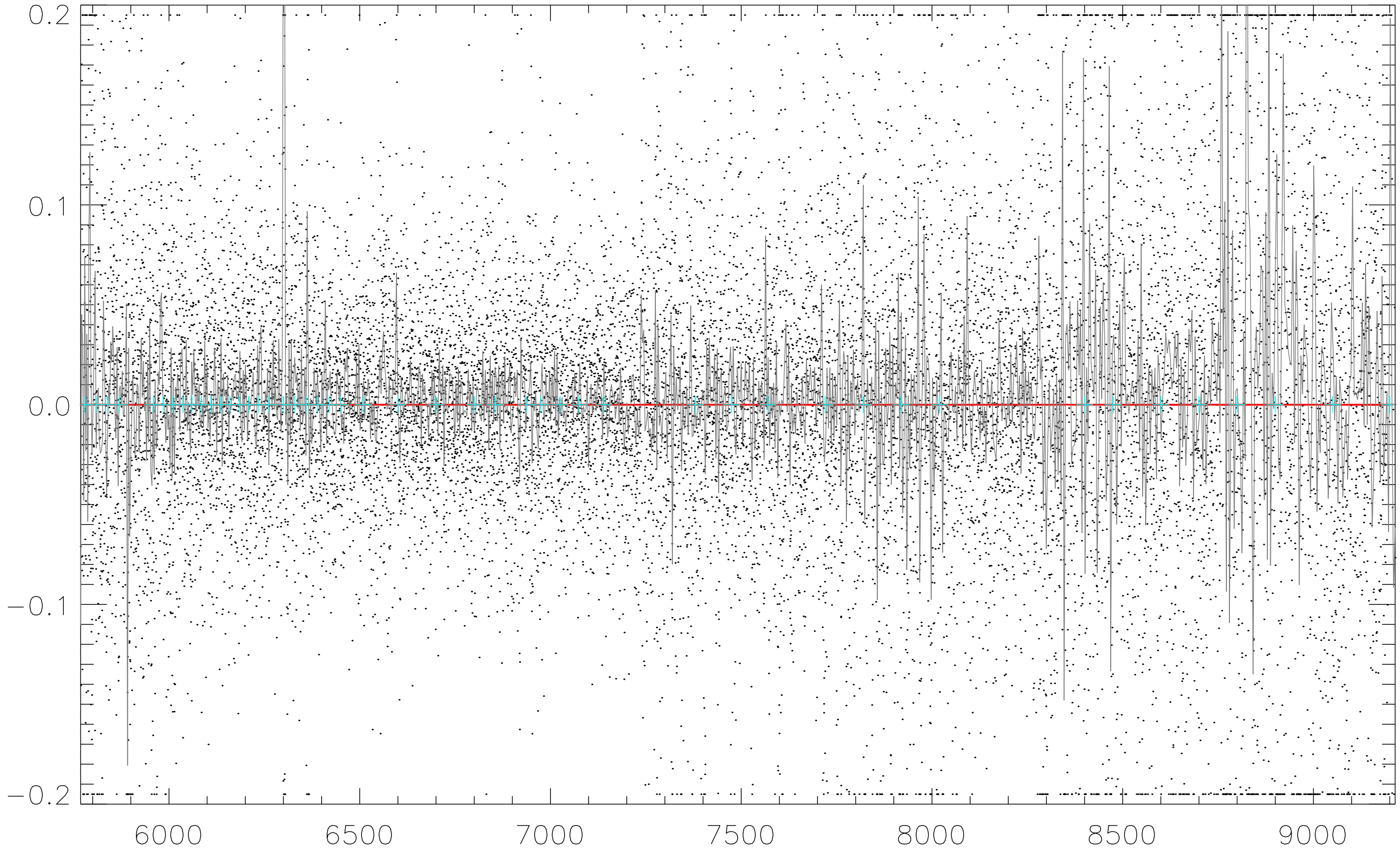
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0.1
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6500
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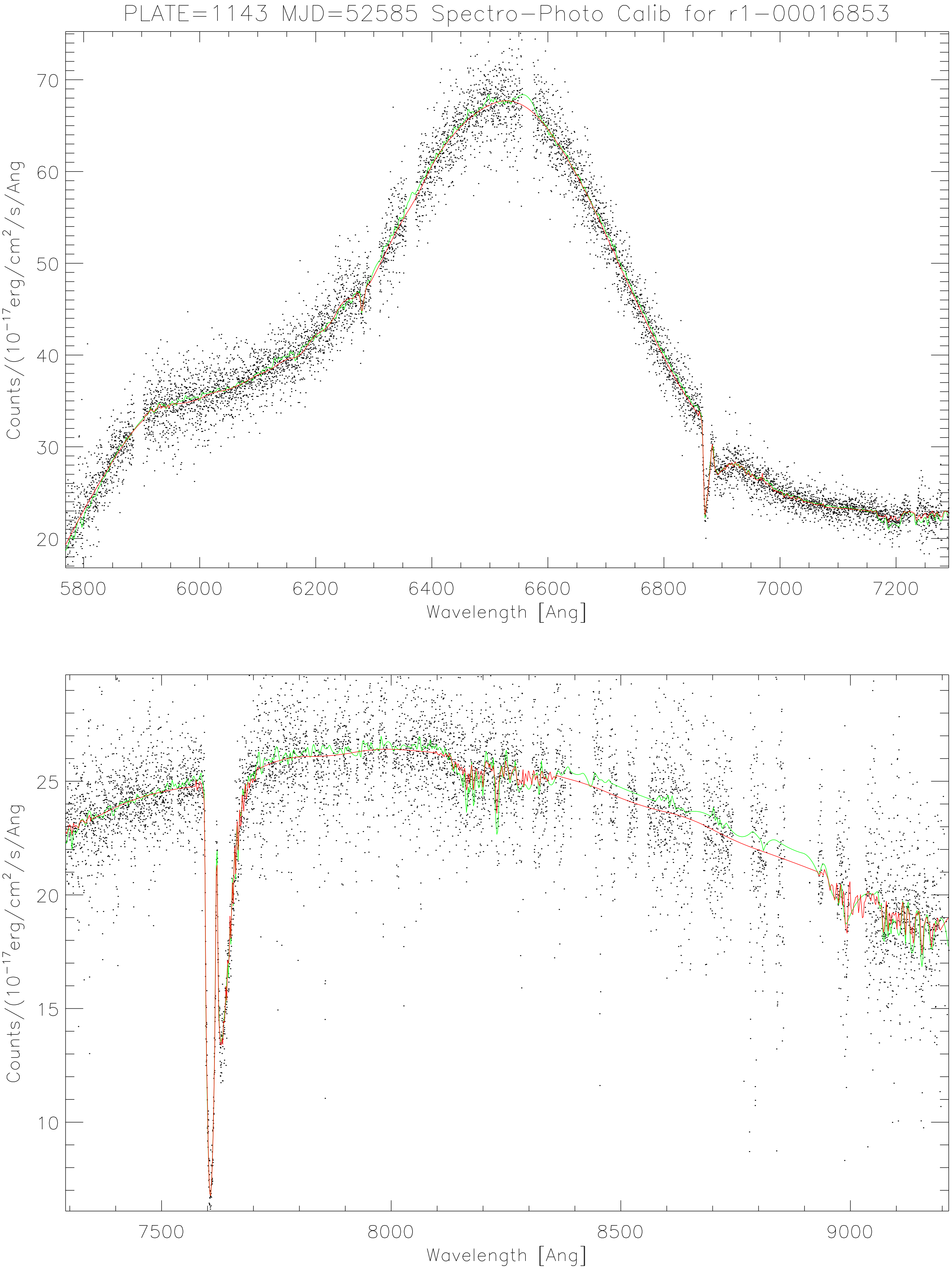
7500
8000
8500
9000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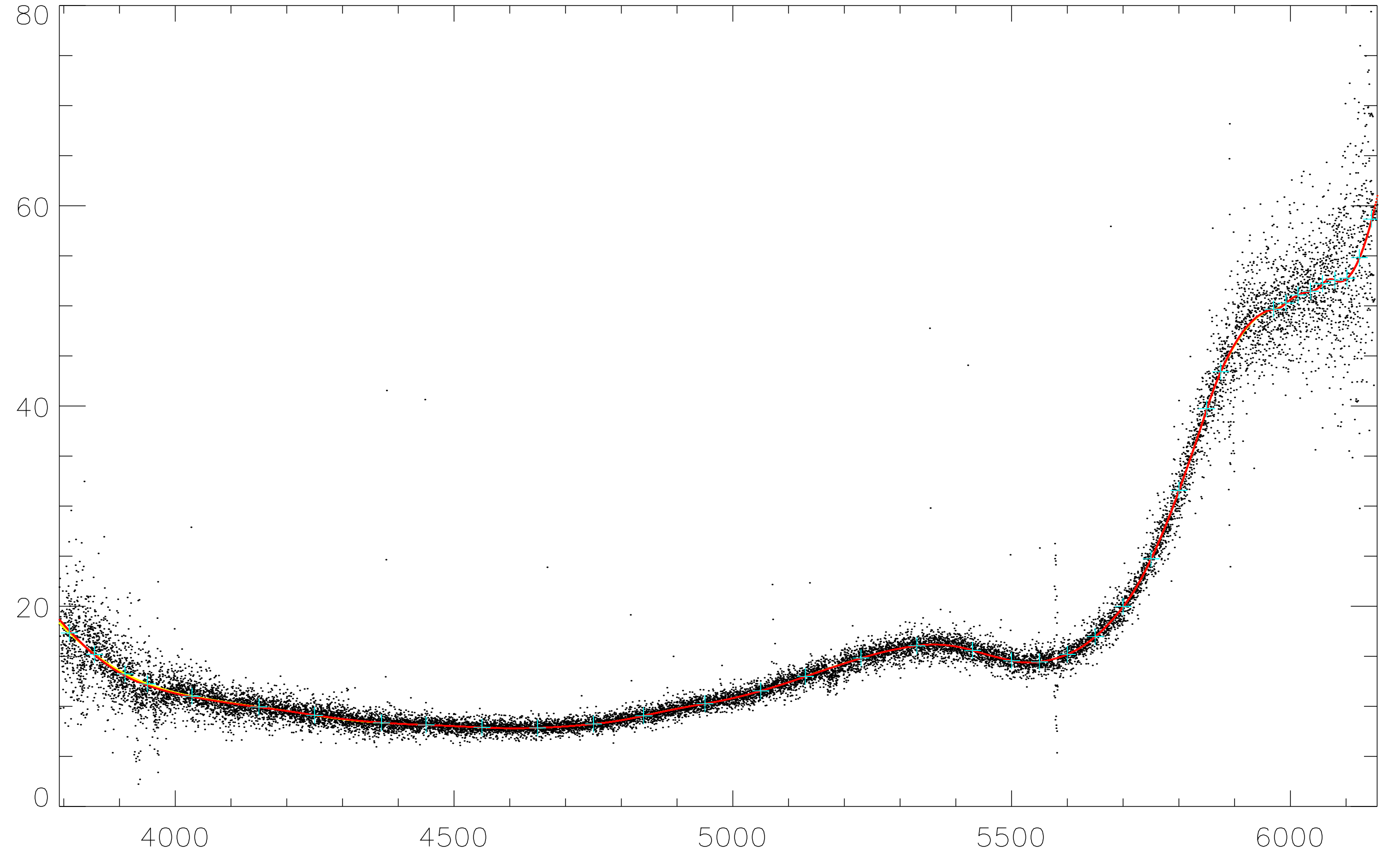
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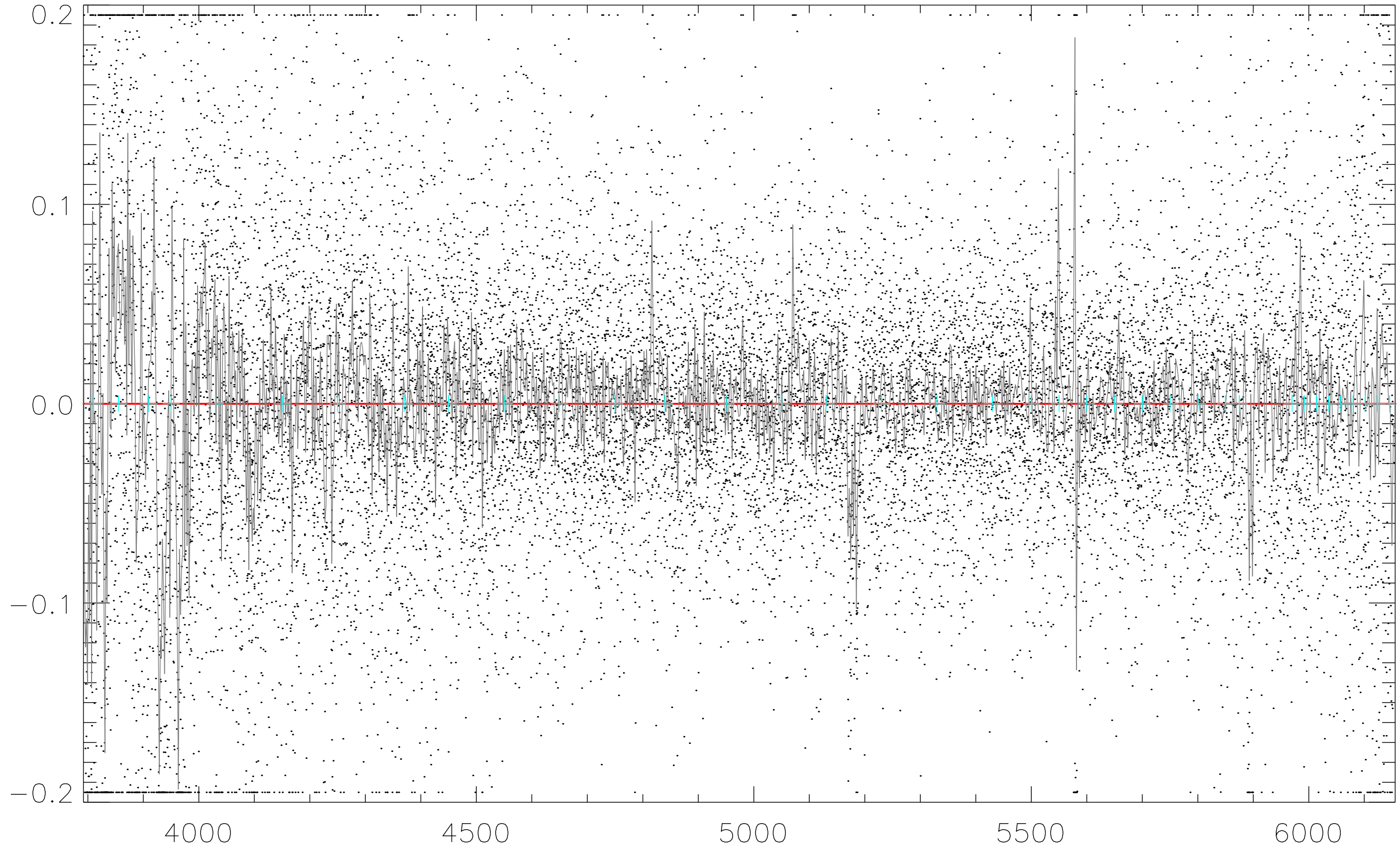
0
4000
4500
5000
5500
6000


0.2
0.1
0.0
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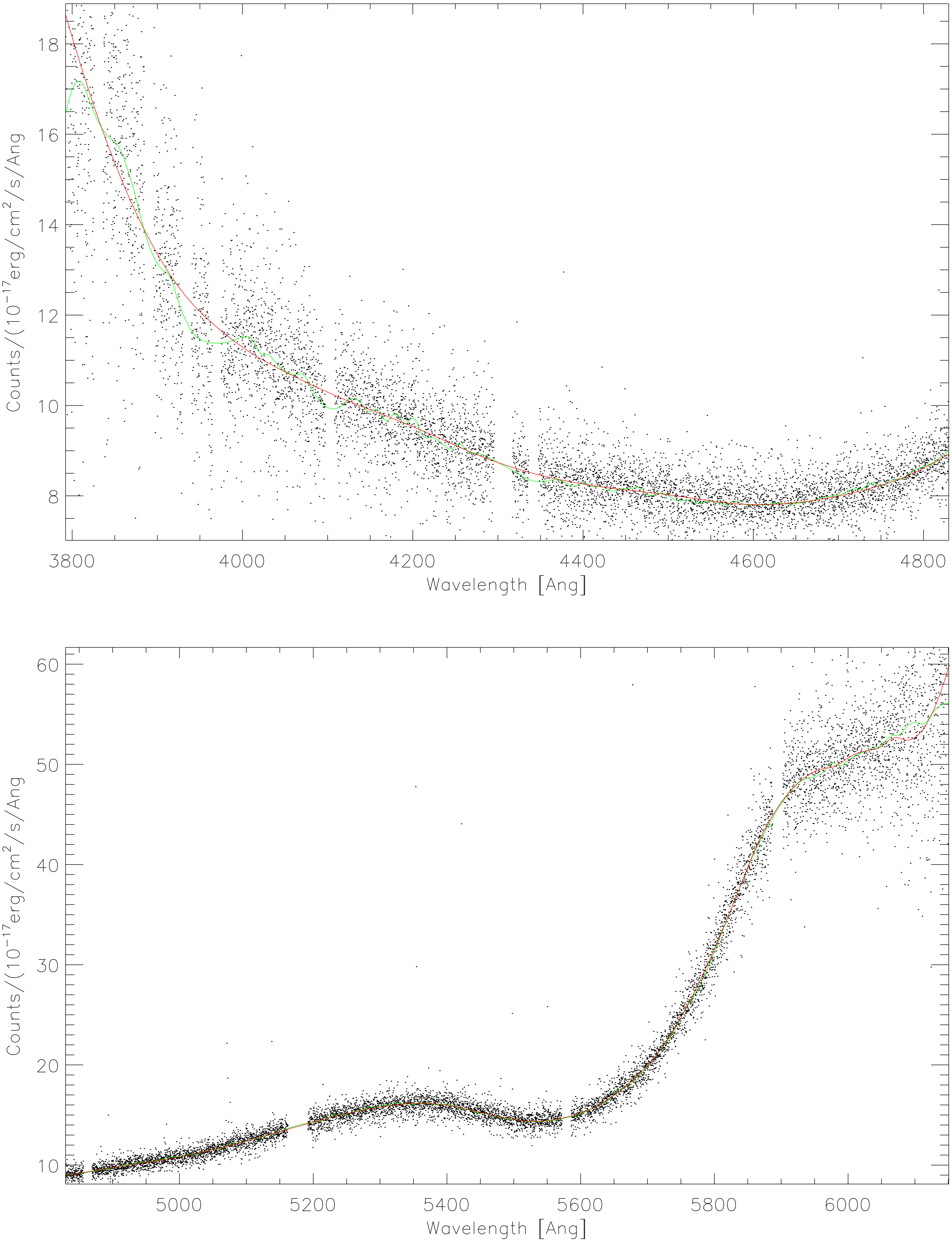
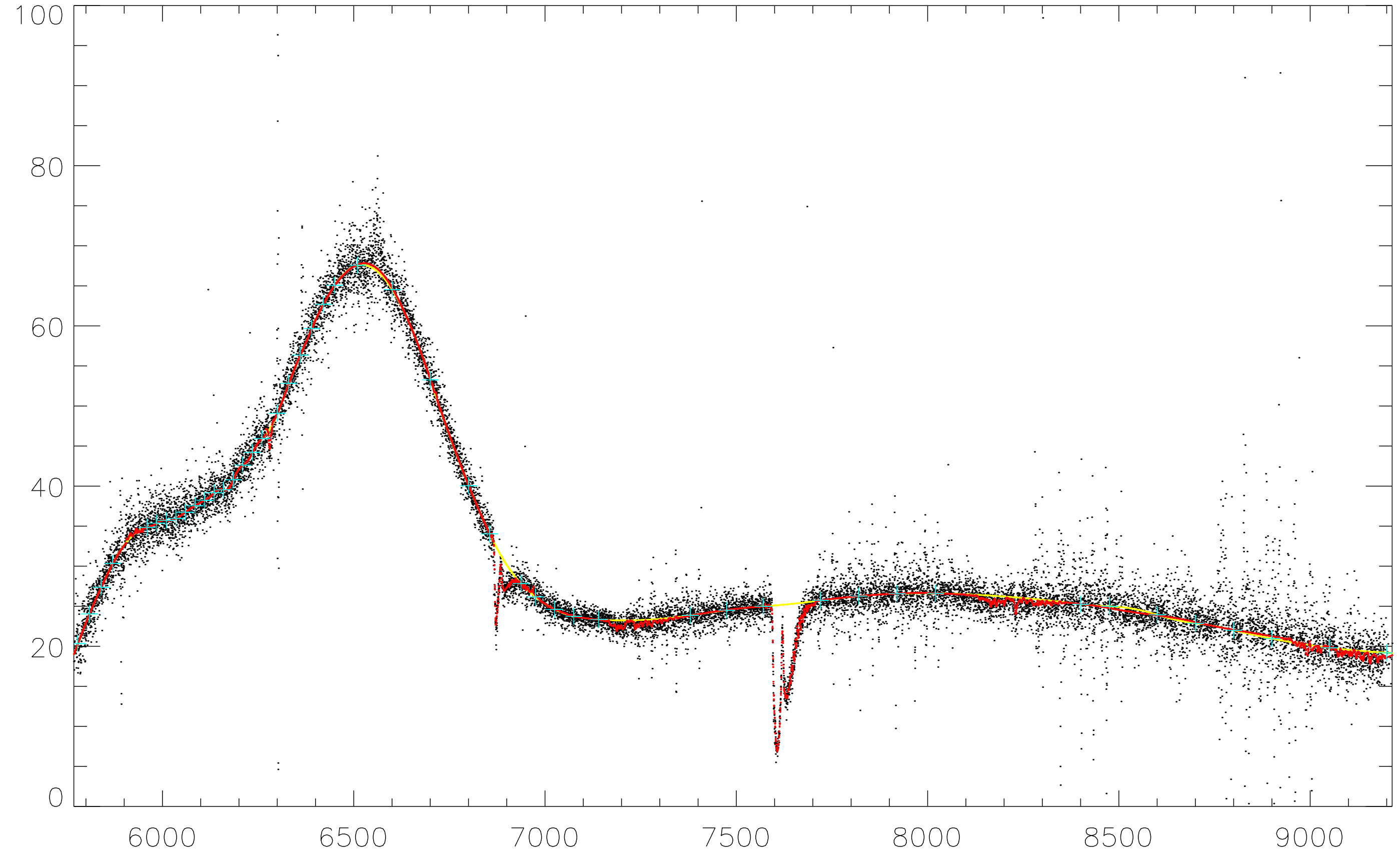
−0.2
4000
4500
5000
5500
6000

PLATE=1143 MJD=52585 Spectro−Photo Calib for b1−00016854

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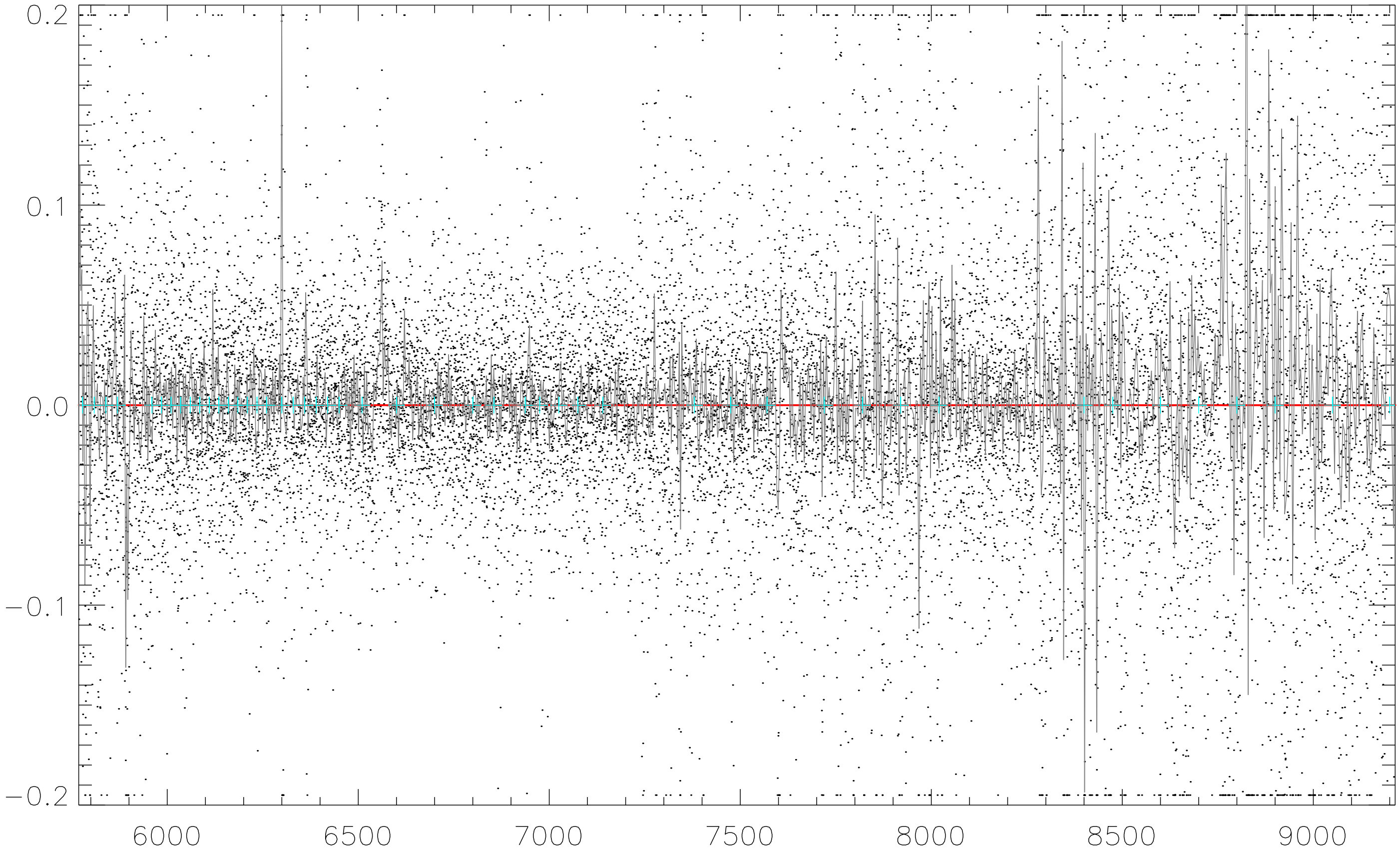
40
20
0
6000
6500
7000
7500
8000
8500
9000


0.2
0.1
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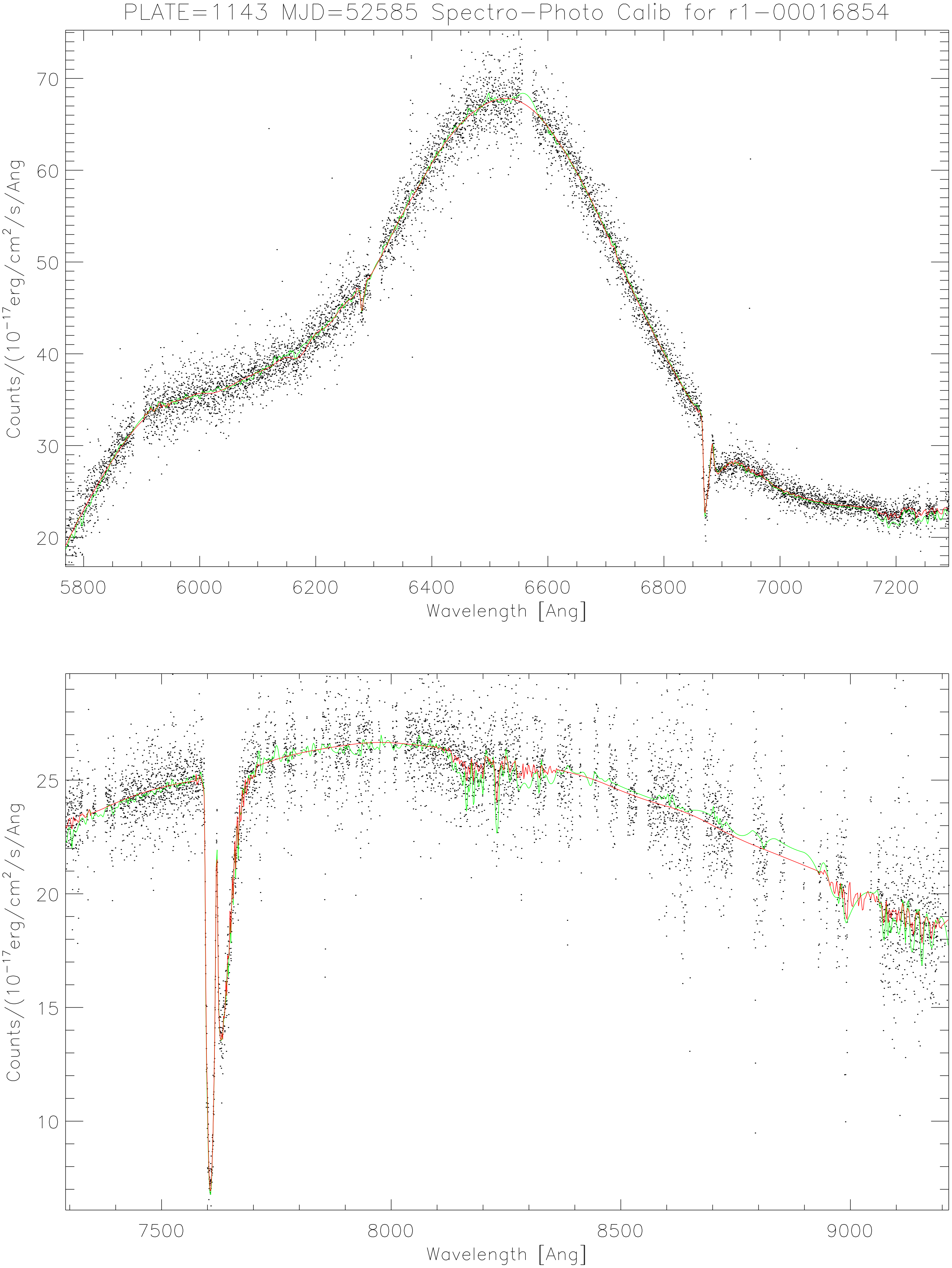
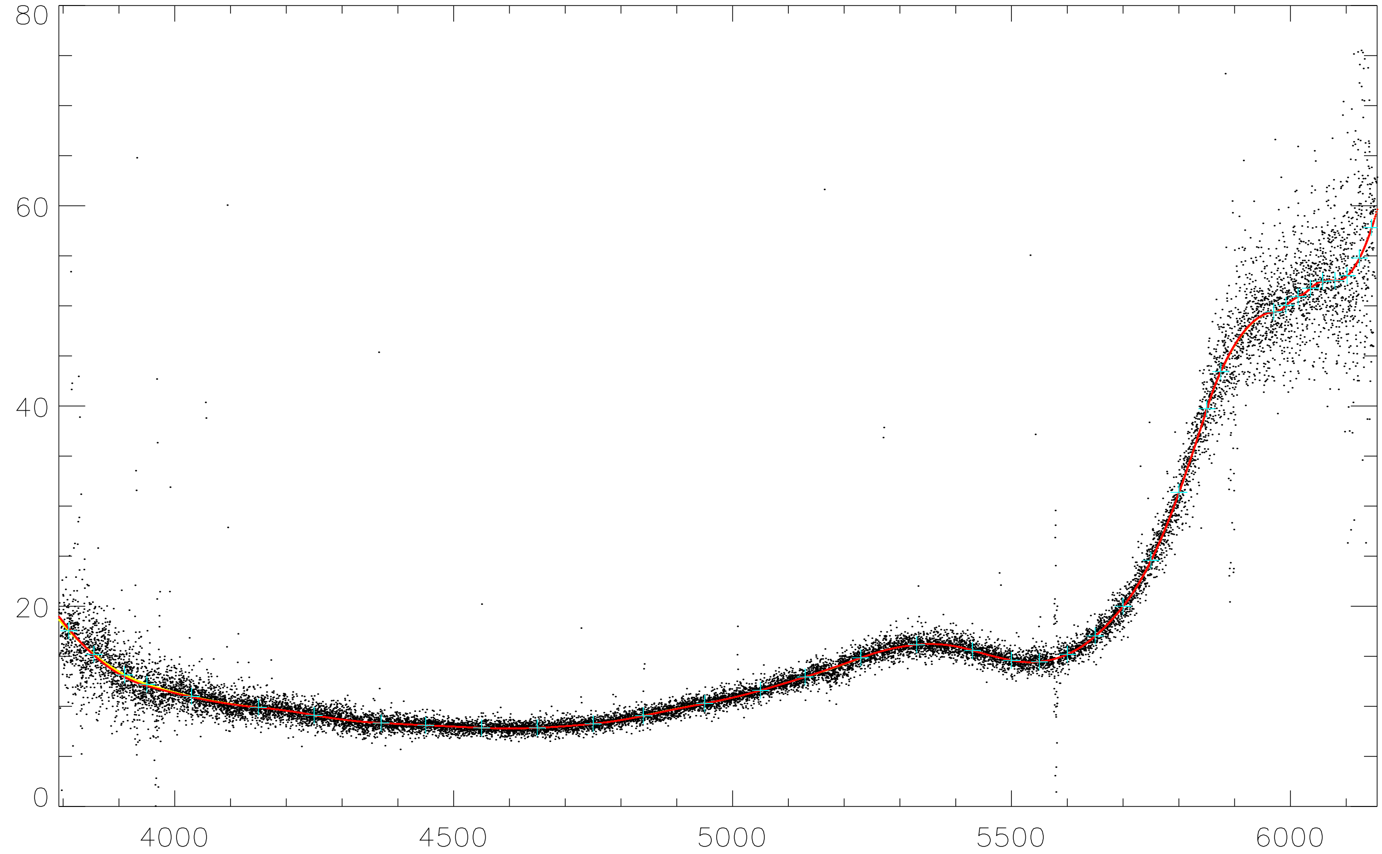
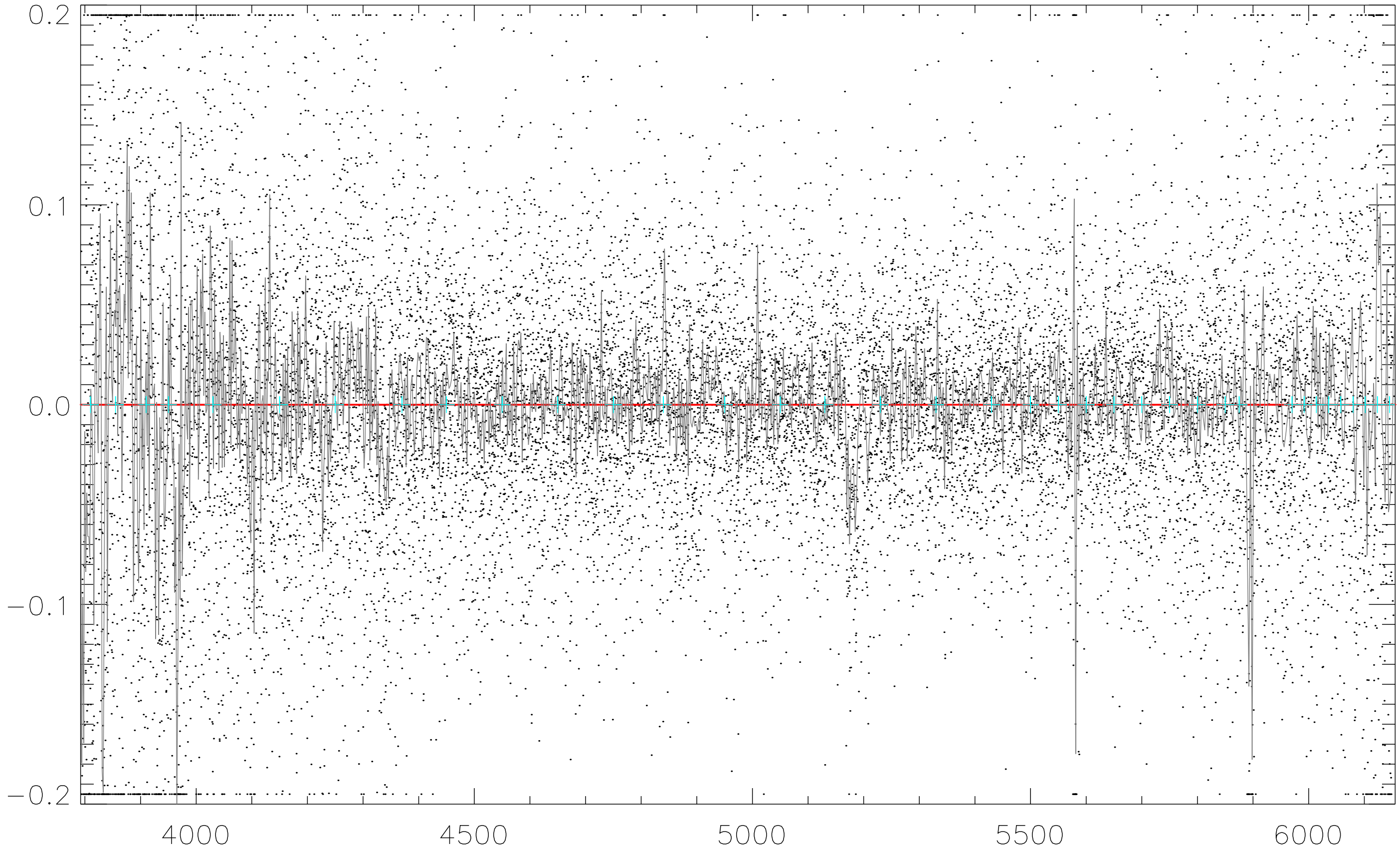
−0.2
6000
6500
7000
7500
8000
8500
9000


PLATE=1143 MJD=52585 Spectro−Photo Calib for r1−00016854
Counts/(10^{-17}erg/cm^2/s/Ang
20
30
40
50
60
70
5800
6000
6200
6400
6600
6800
7000
7200
Wavelength [Ang]
Counts/(10^{-17}erg/cm^2/s/Ang
10
15
20
25
7500
8000
8500
9000
Wavelength [Ang]


80
60
40
20
0
4000
4500
5000
5500
6000


0.2
0.1
0.0
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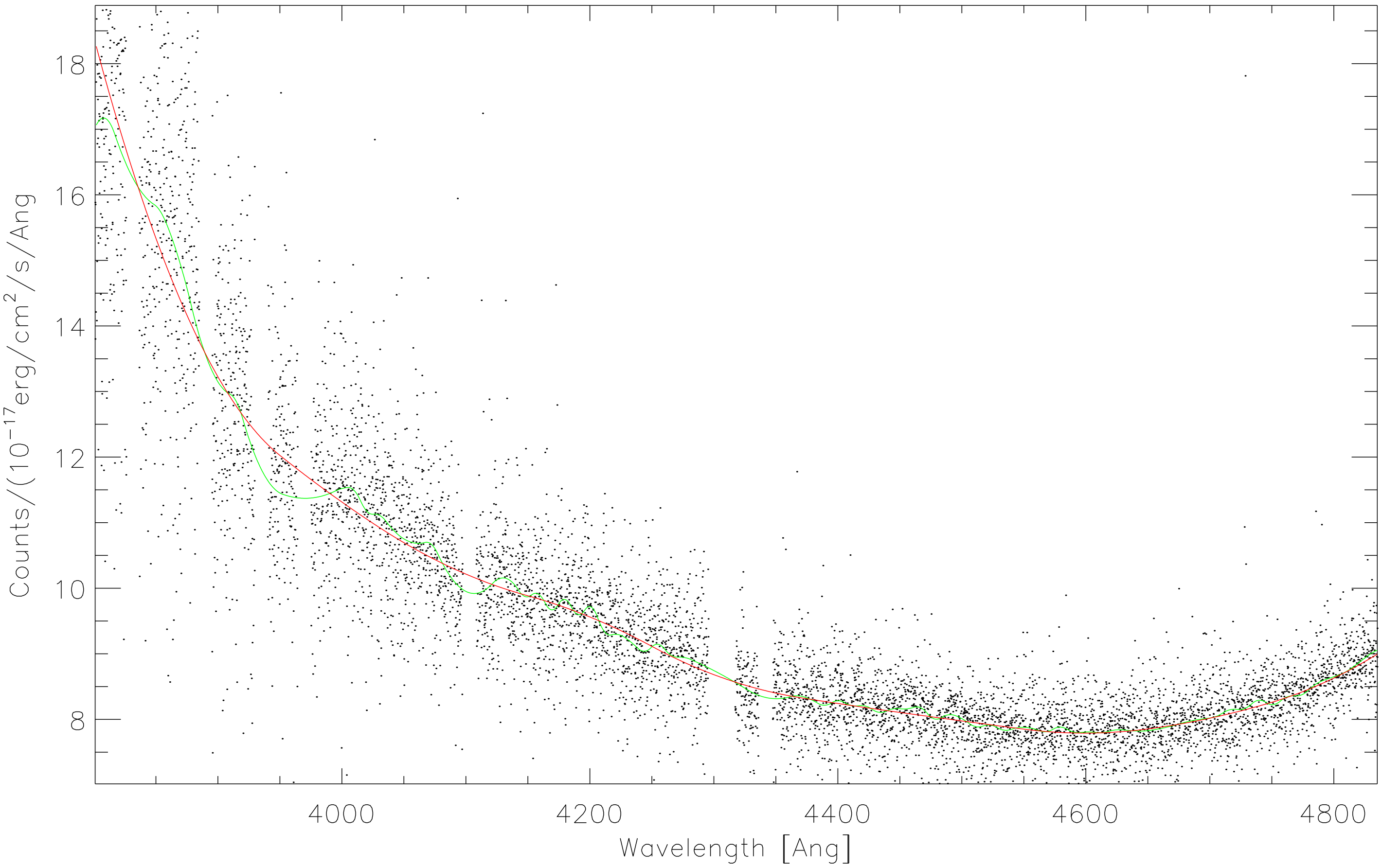
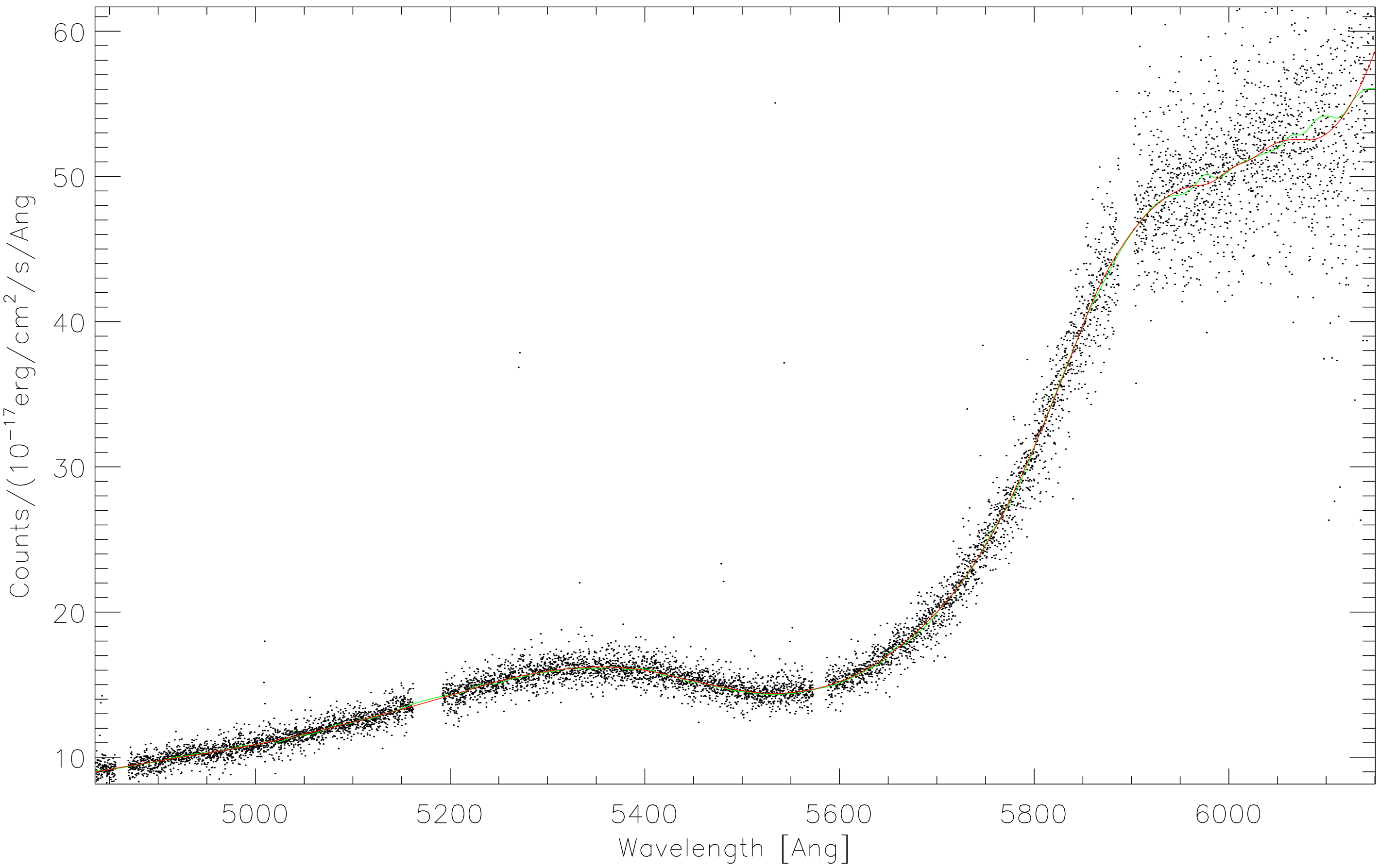
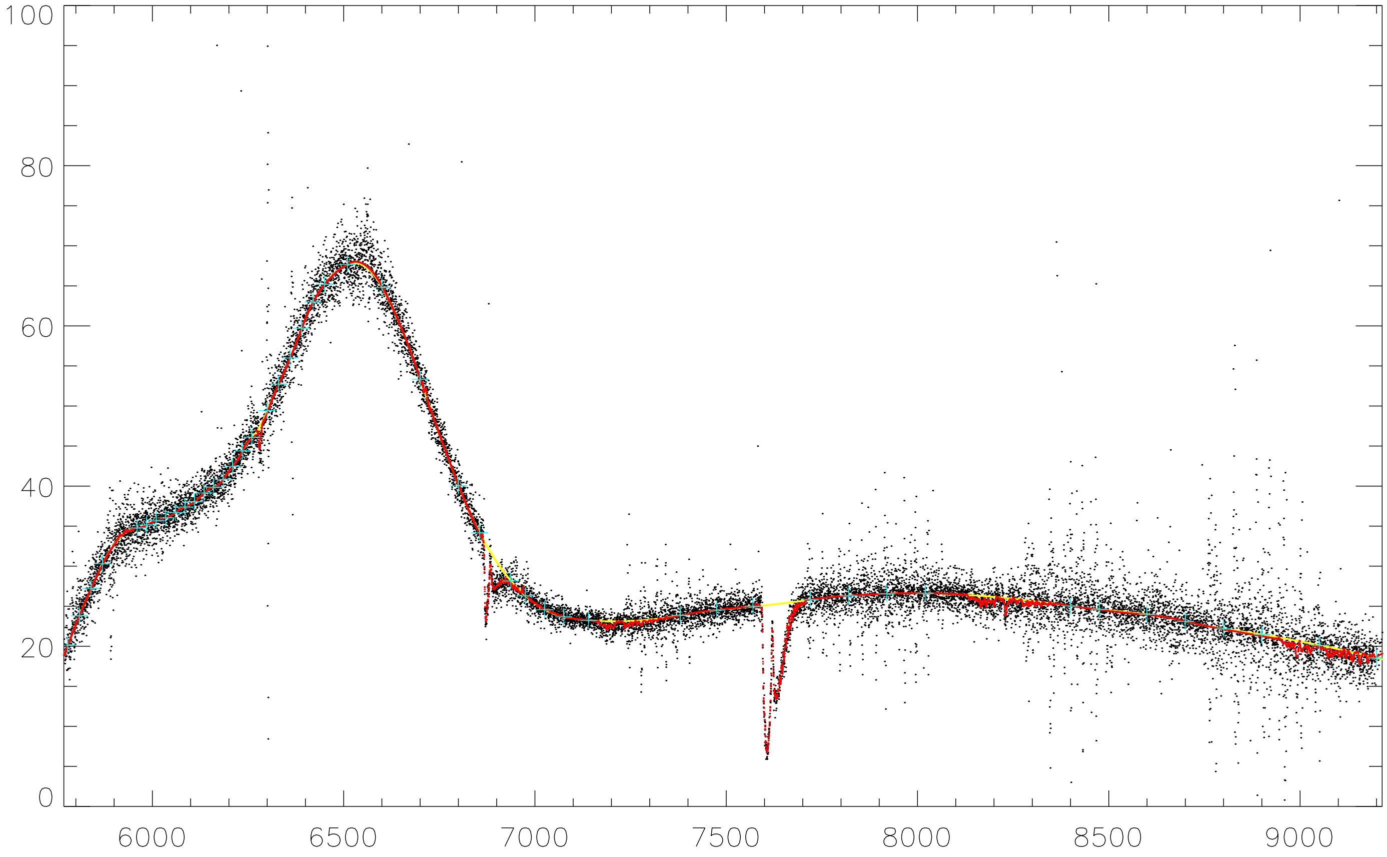
−0.2
4000
4500
5000
5500
6000

PLATE=1143 MJD=52585 Spectro−Photo Calib for b1−00016855



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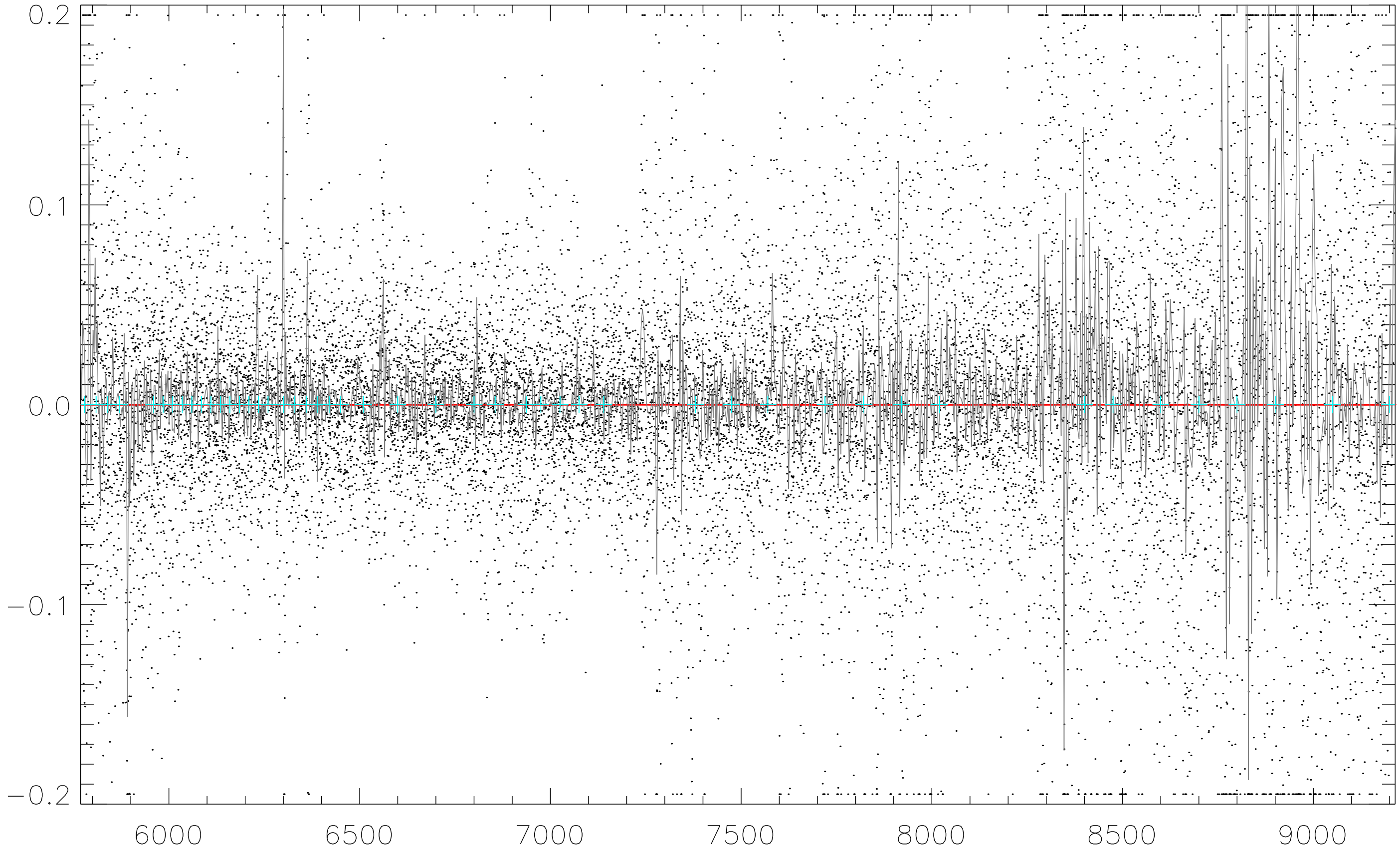
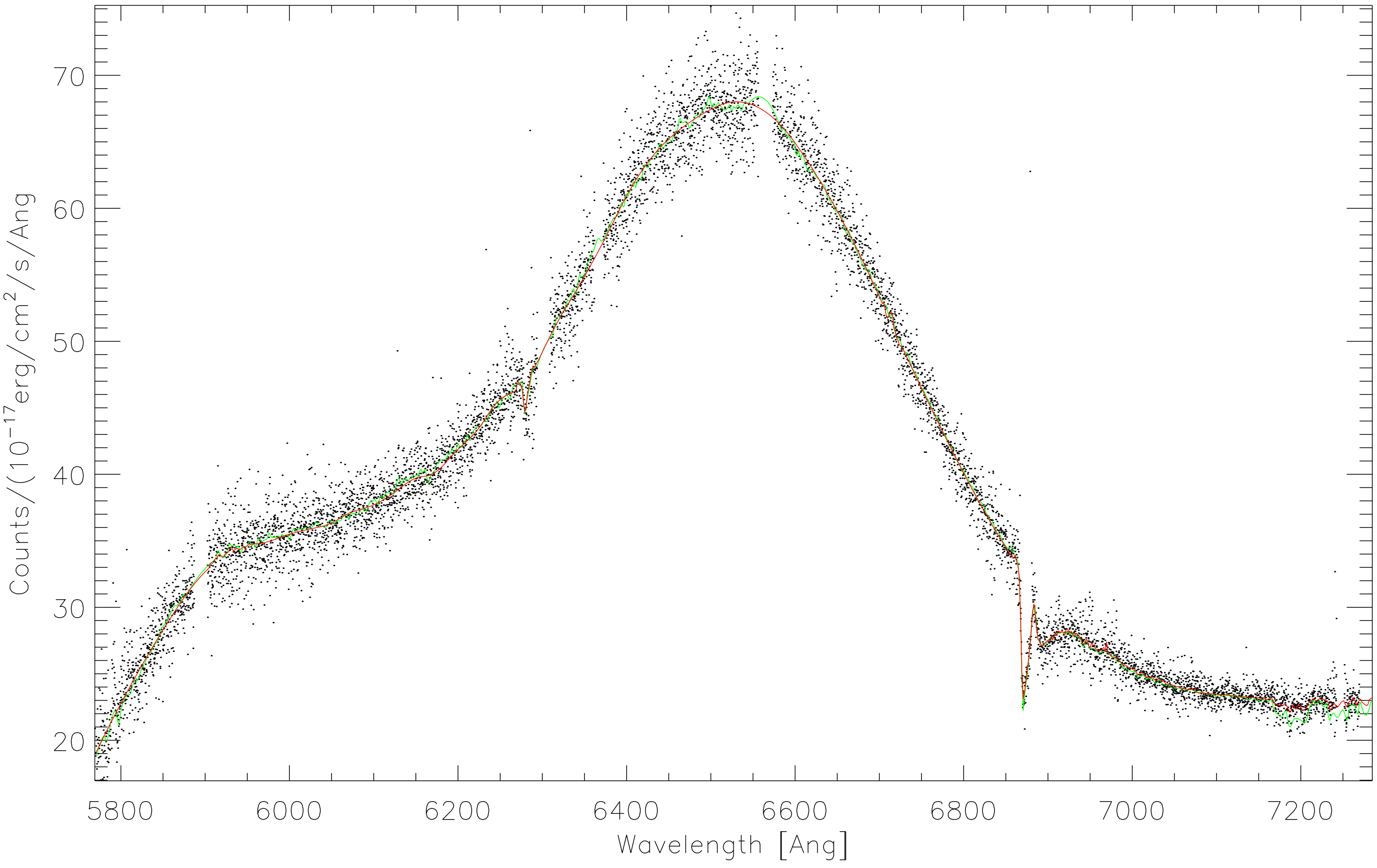
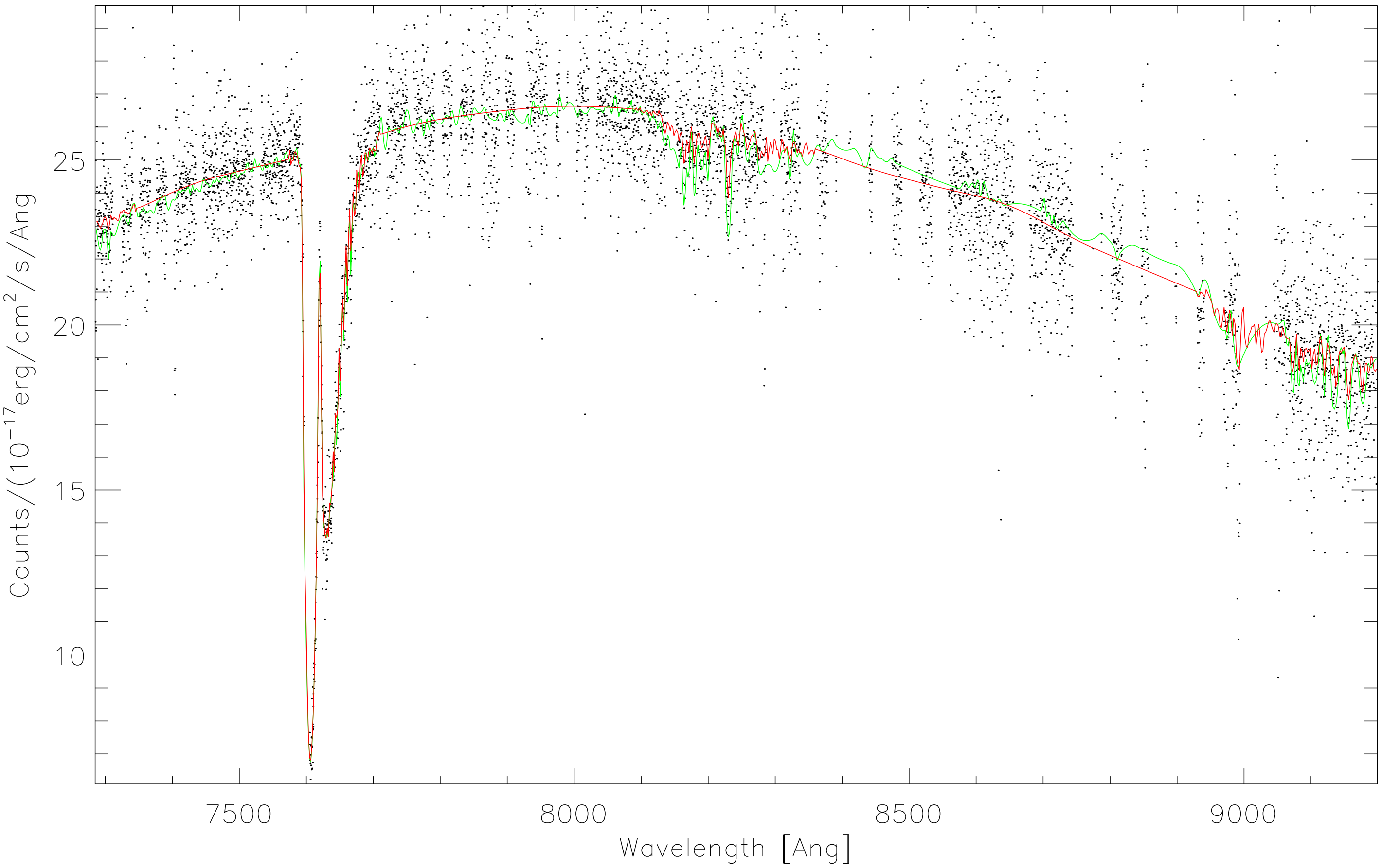
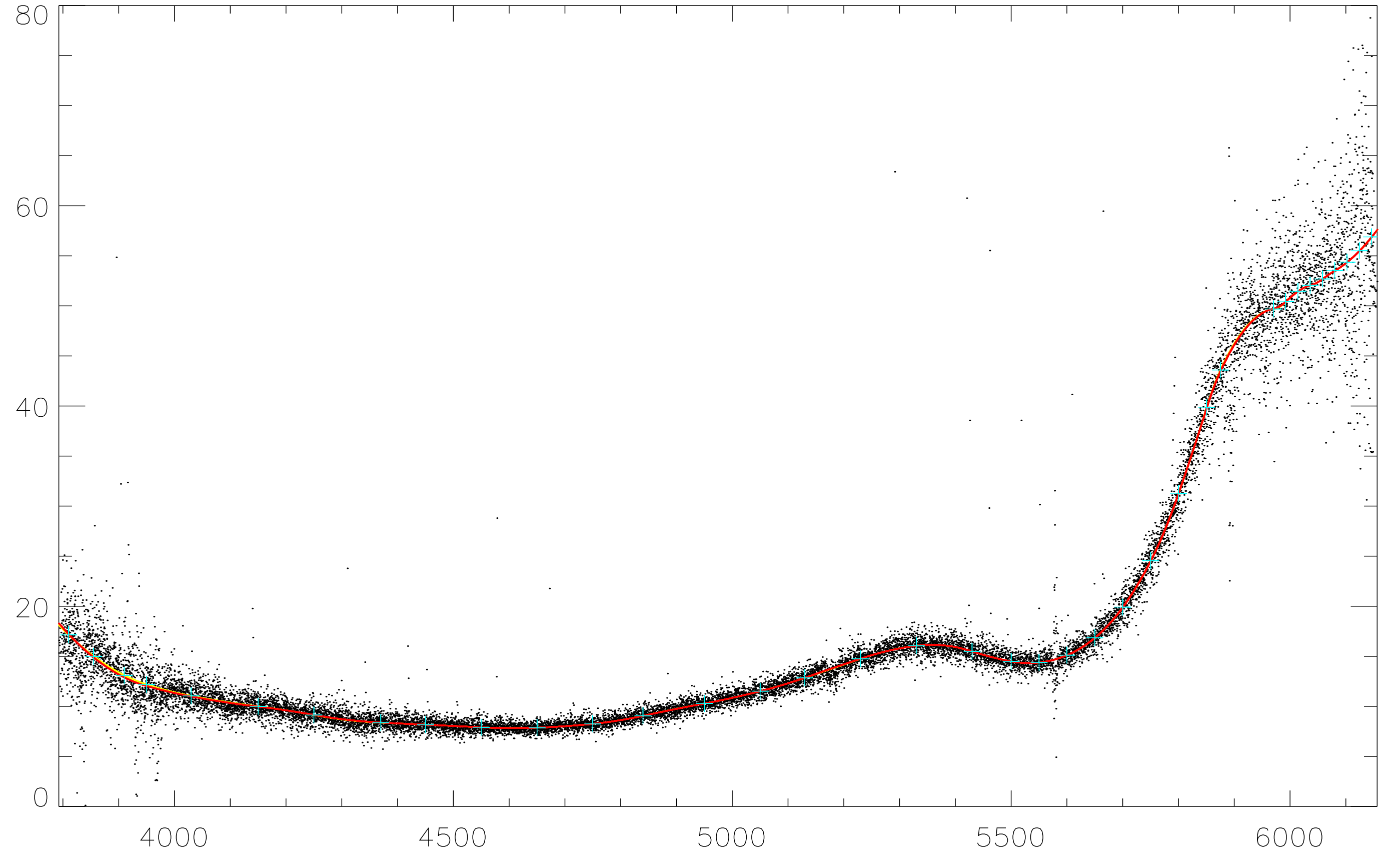
60
40
20
0
6000
6500
7000
7500
8000
8500
9000

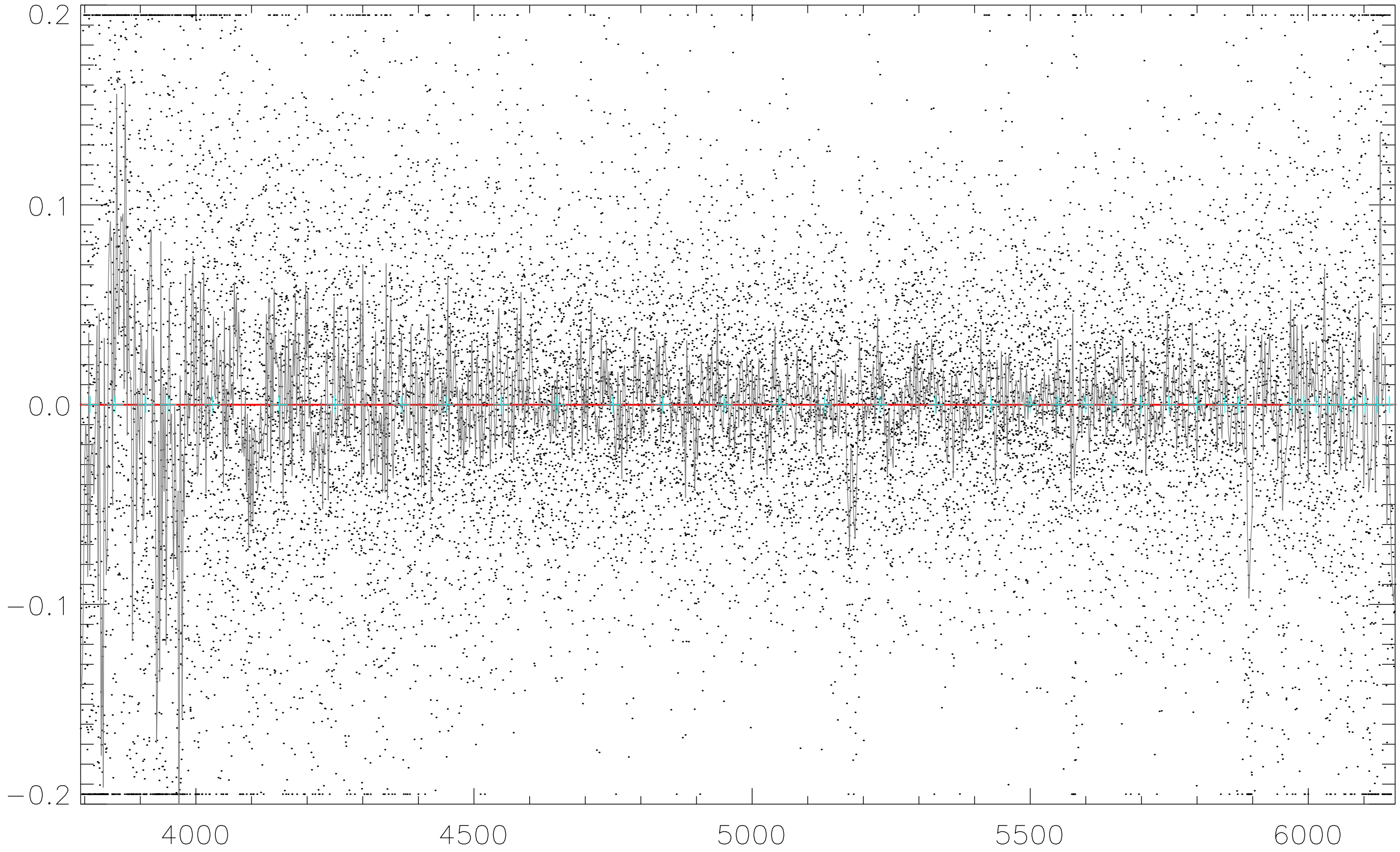

0.2
0.1
0.0
−0.1
−0.2
6000
6500
7000
7500
8000
8500
9000

PLATE=1143 MJD=52585 Spectro-Photo Calib for r1-00016855






80
60
40
20
0
4000
4500
5000
5500
6000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0.1
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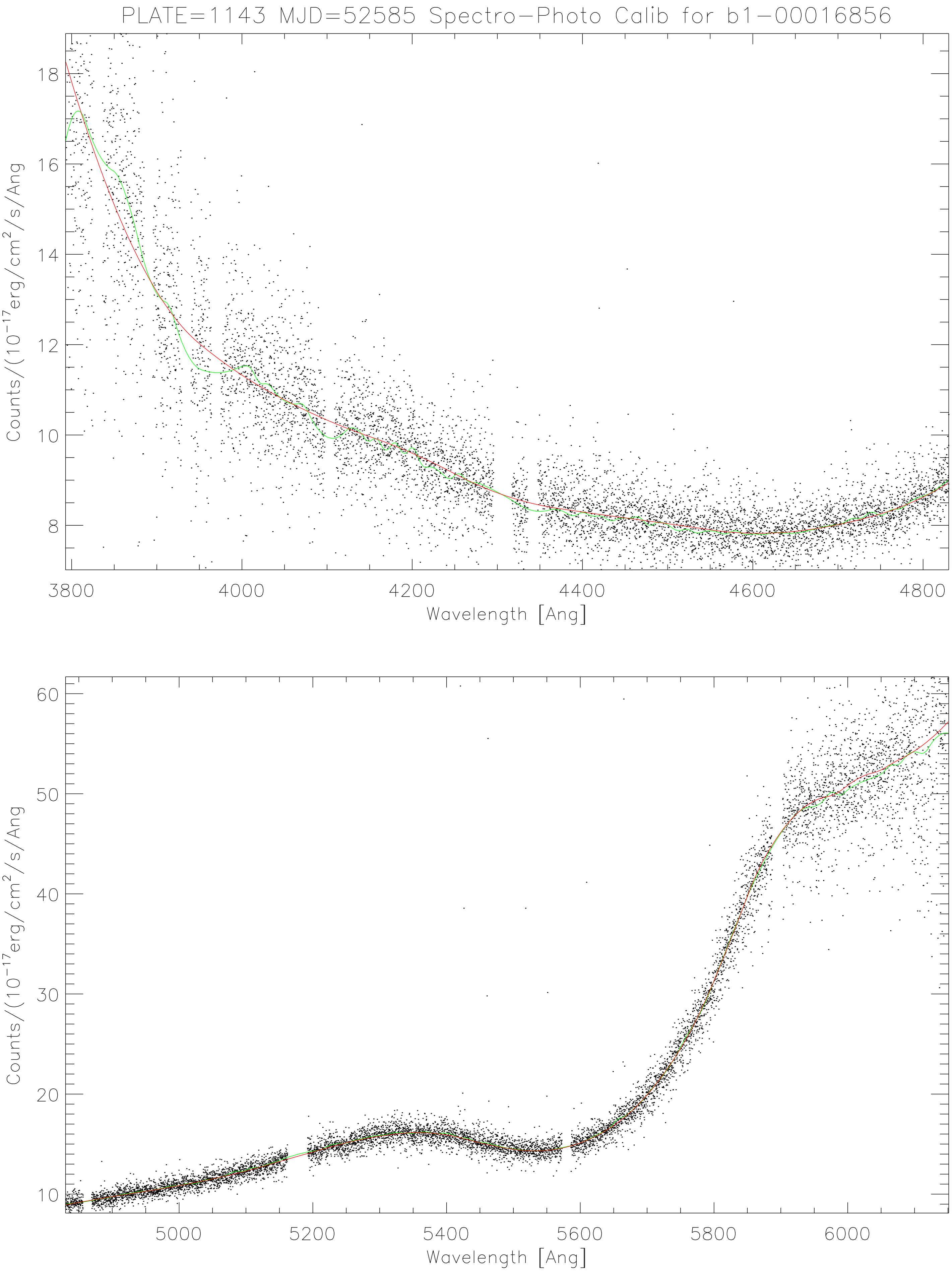
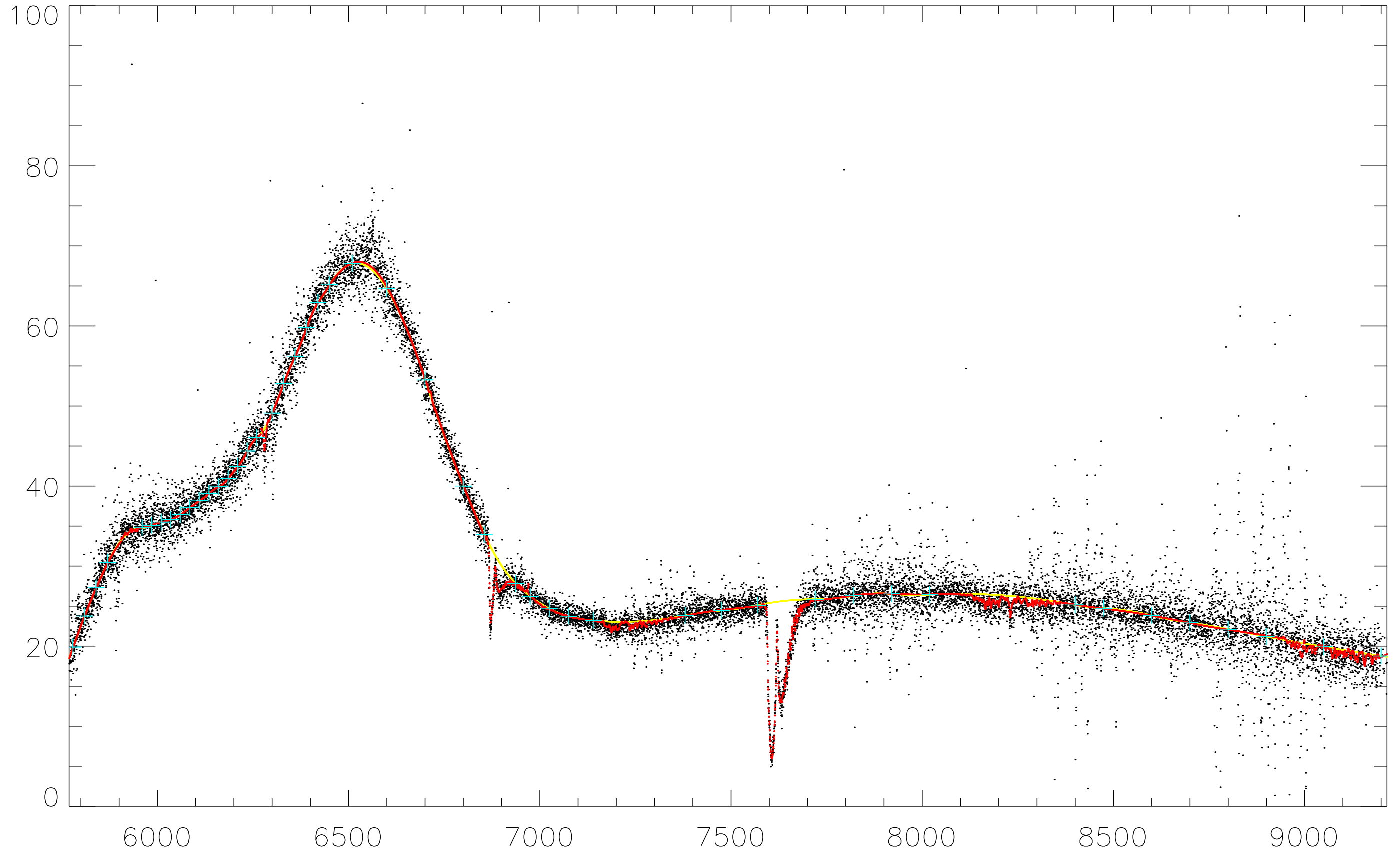
−0.1
−0.2
4000
4500
5000
5500
6000



PLATE=1143 MJD=52585 Spectro−Photo Calib for b1-00016856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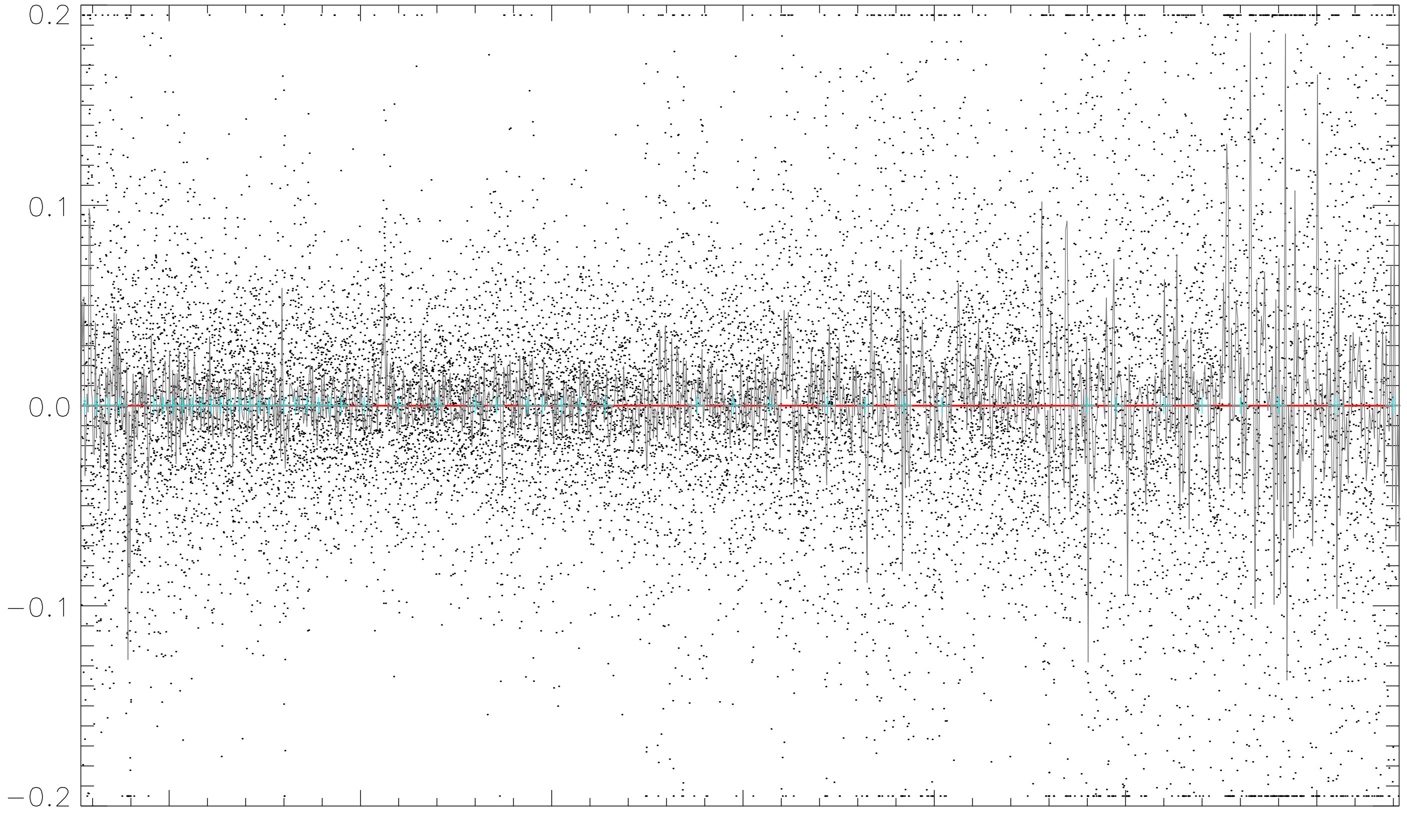
80
60
40
20
0
6000
6500
7000
7500
8000
8500
9000


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

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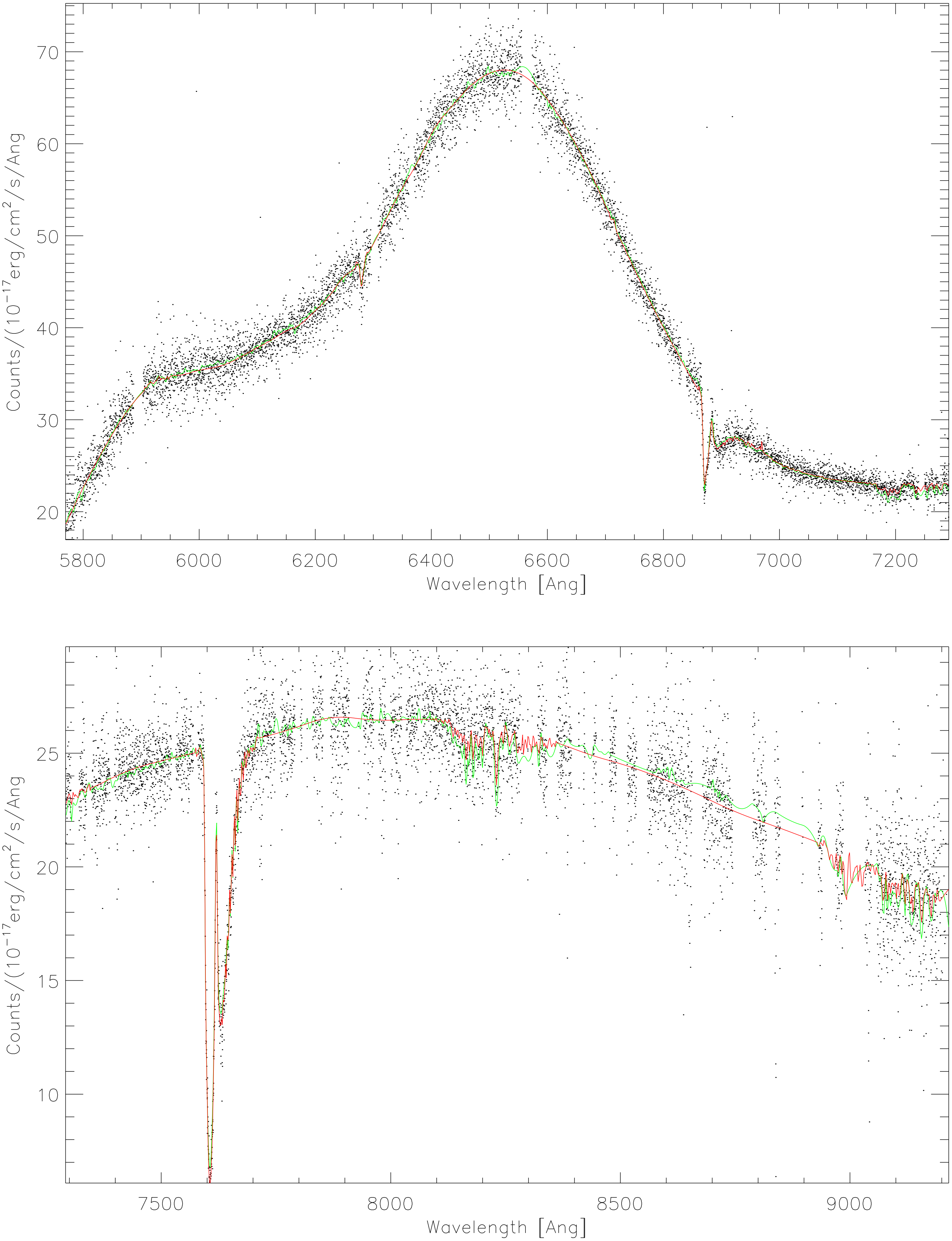

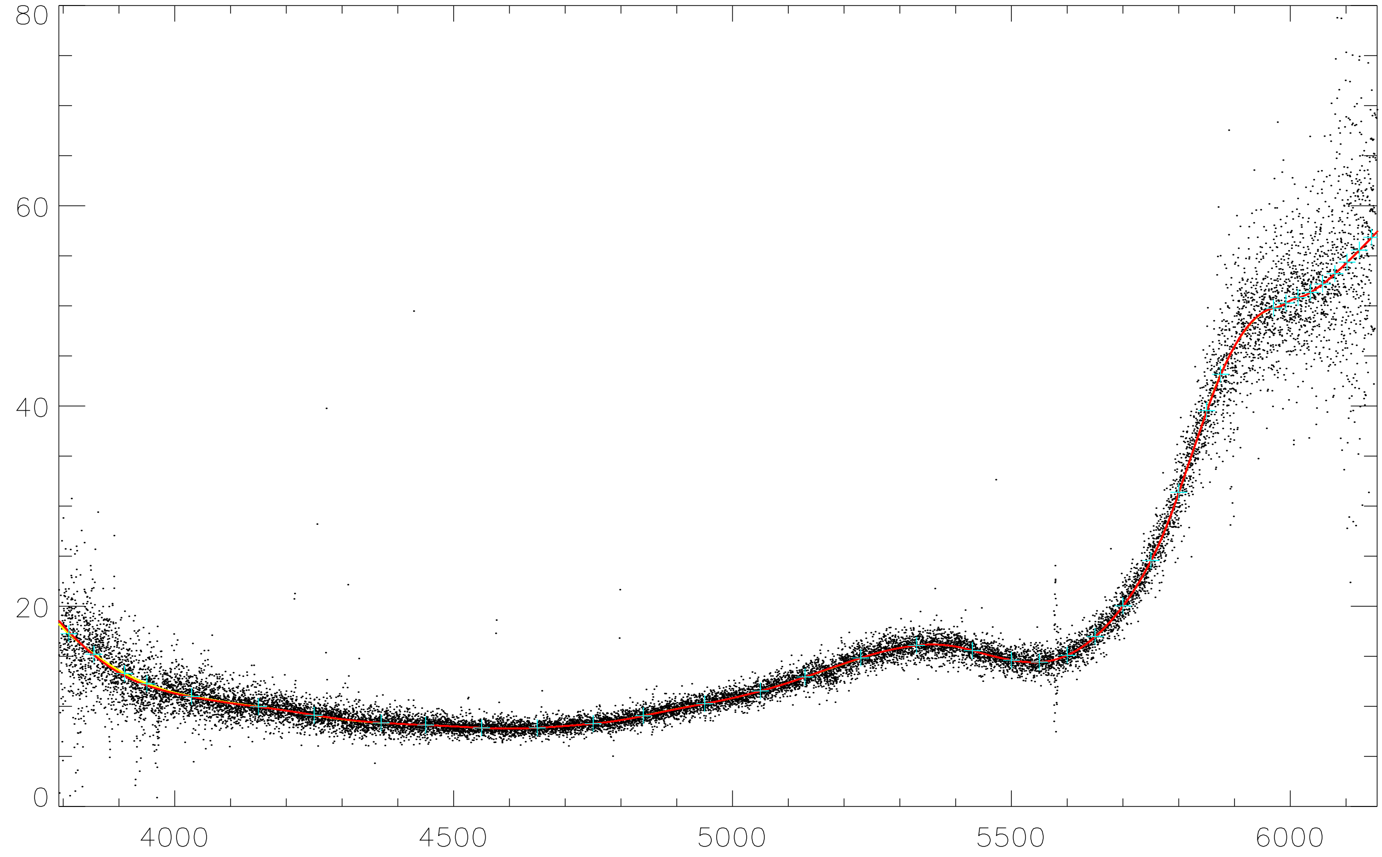

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40
20
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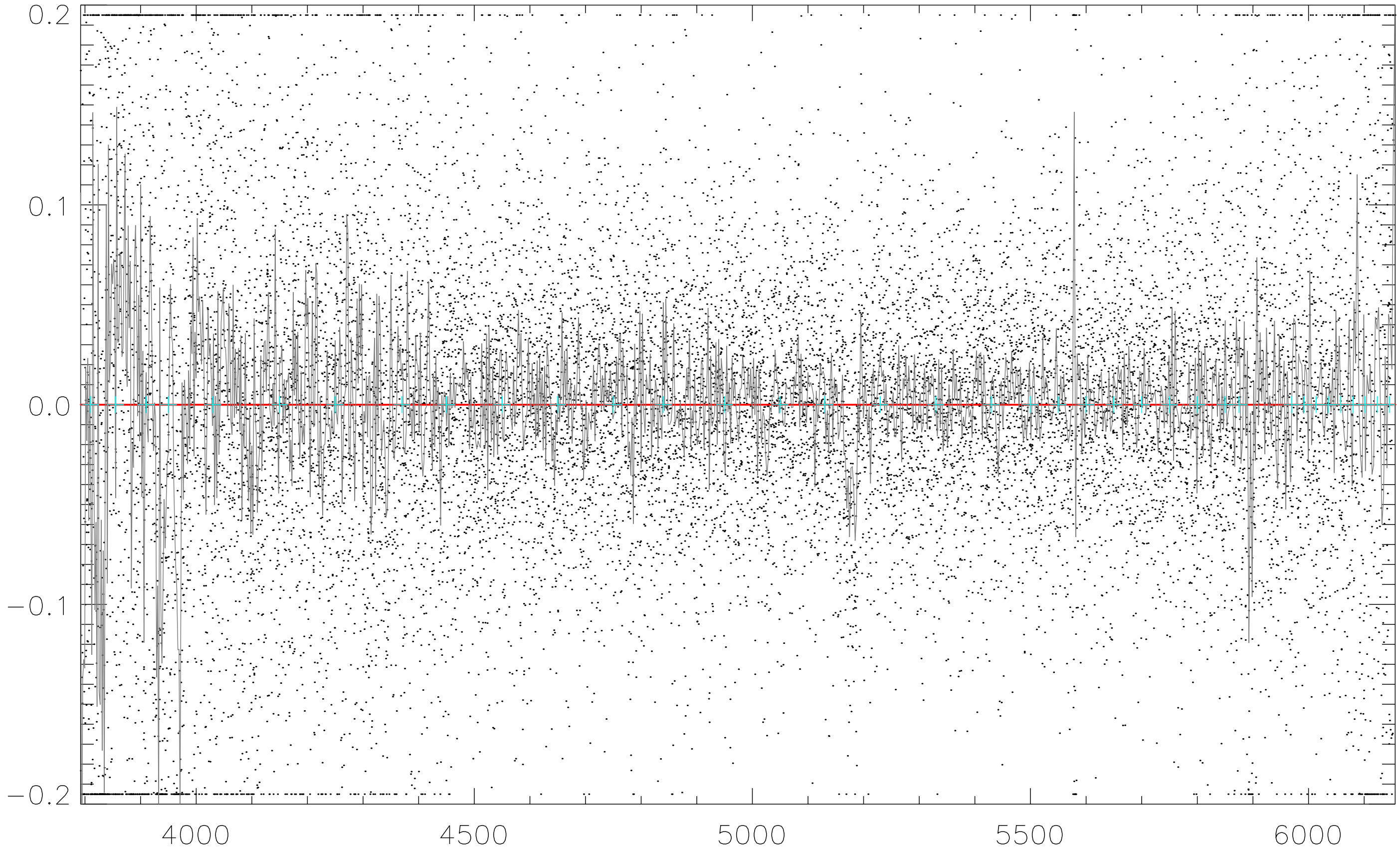
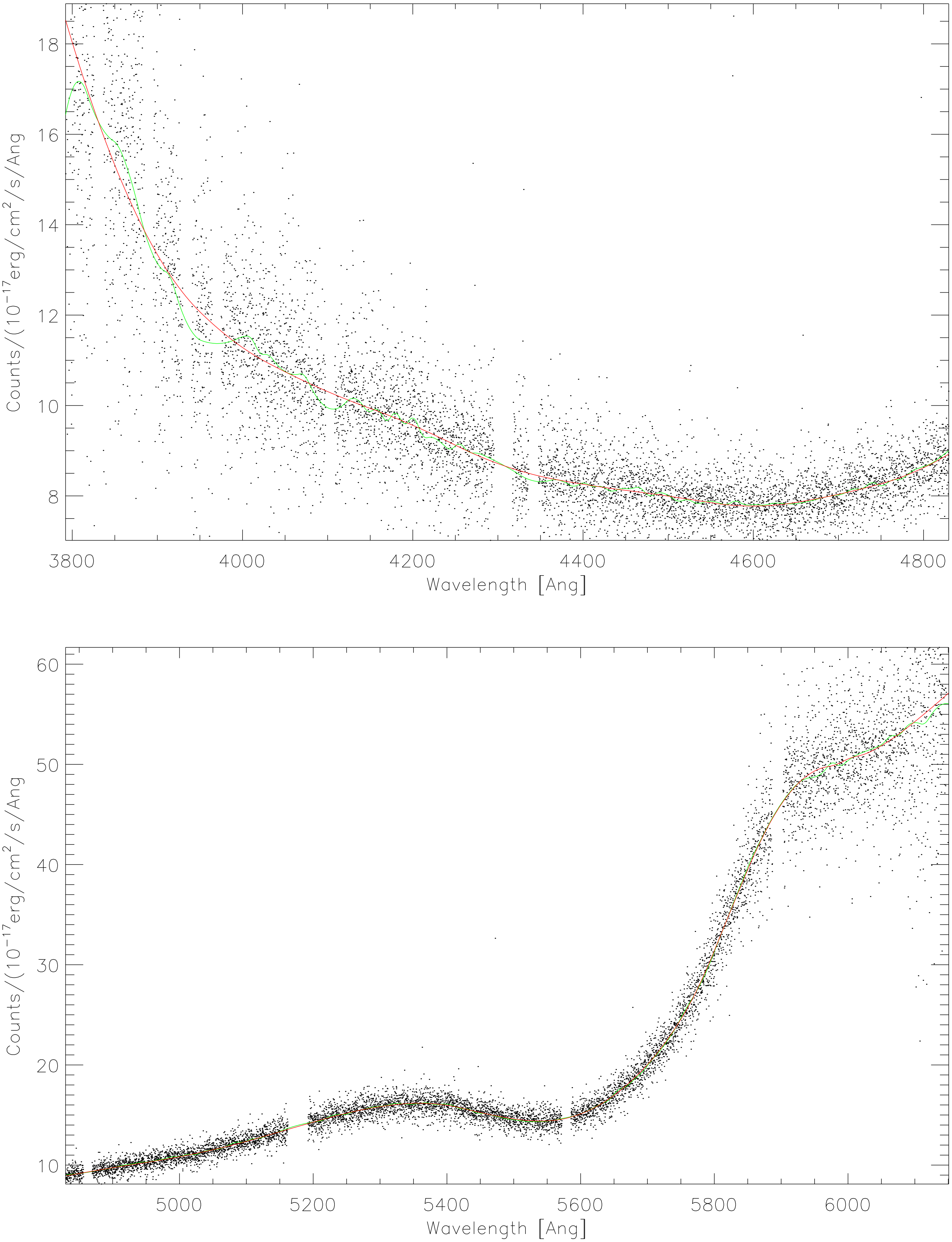
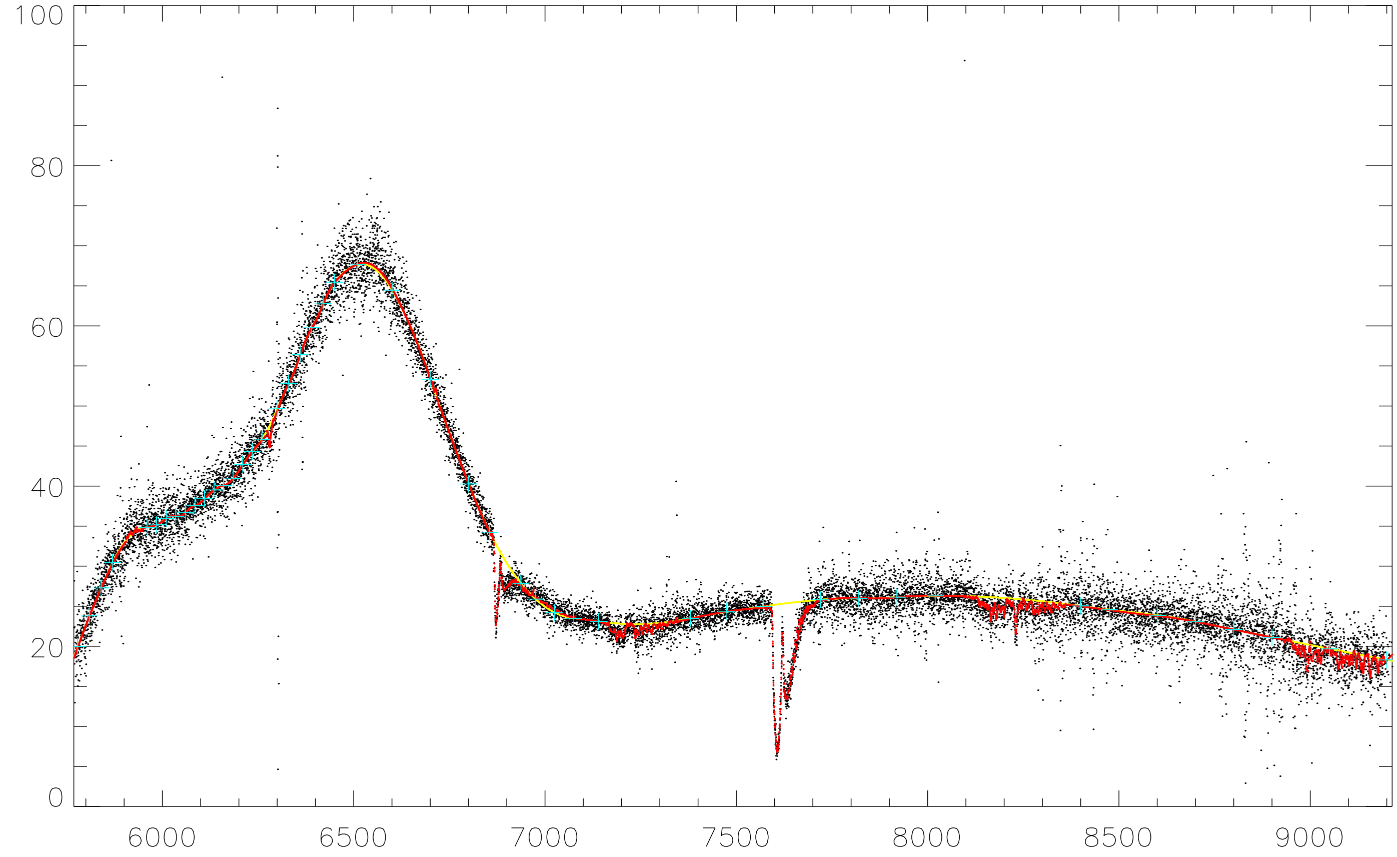
4000
4500
5000
5500
6000



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

PLATE=1143 MJD=52586 Spectro−Photo Calib for b1−00016865




100
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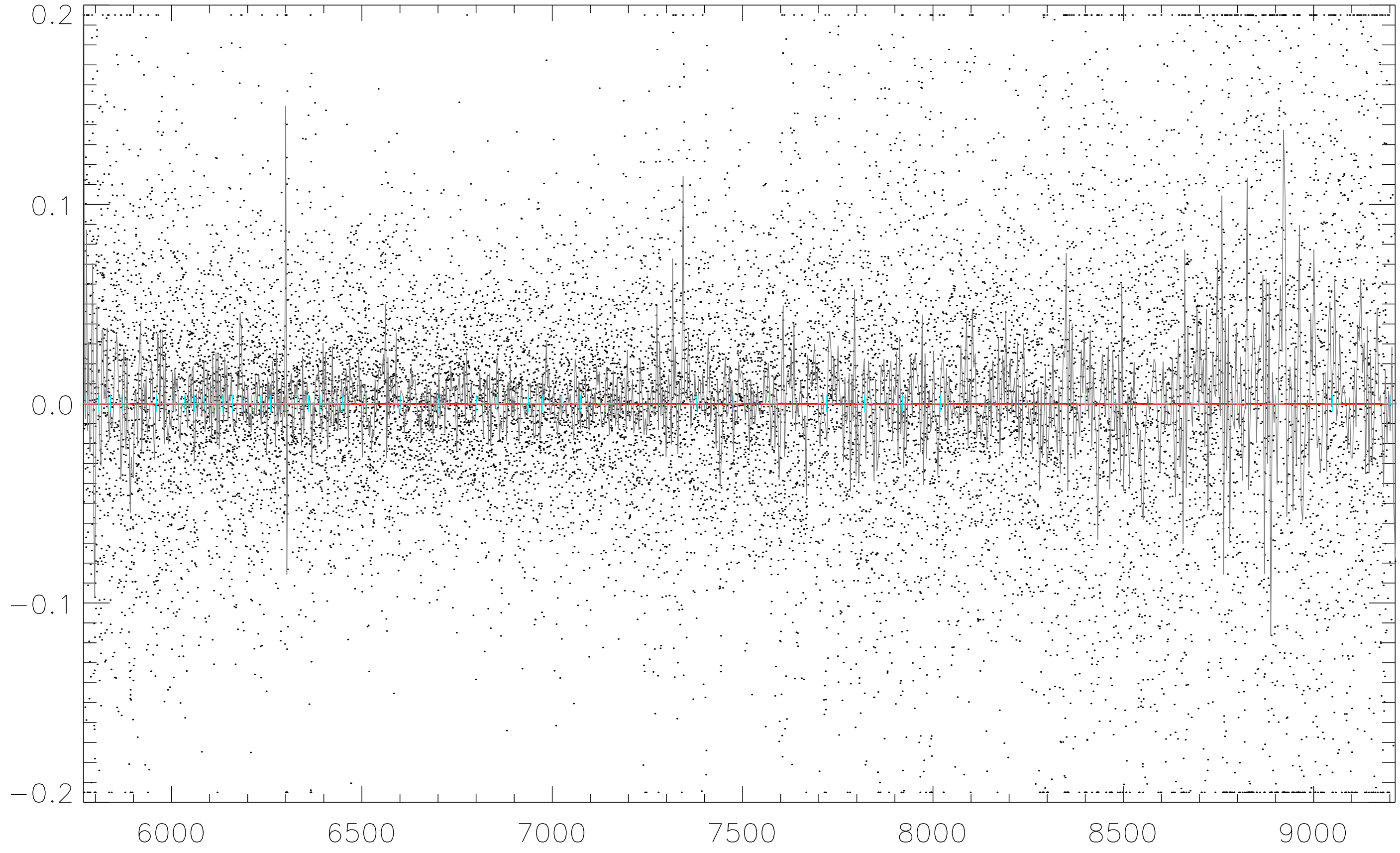
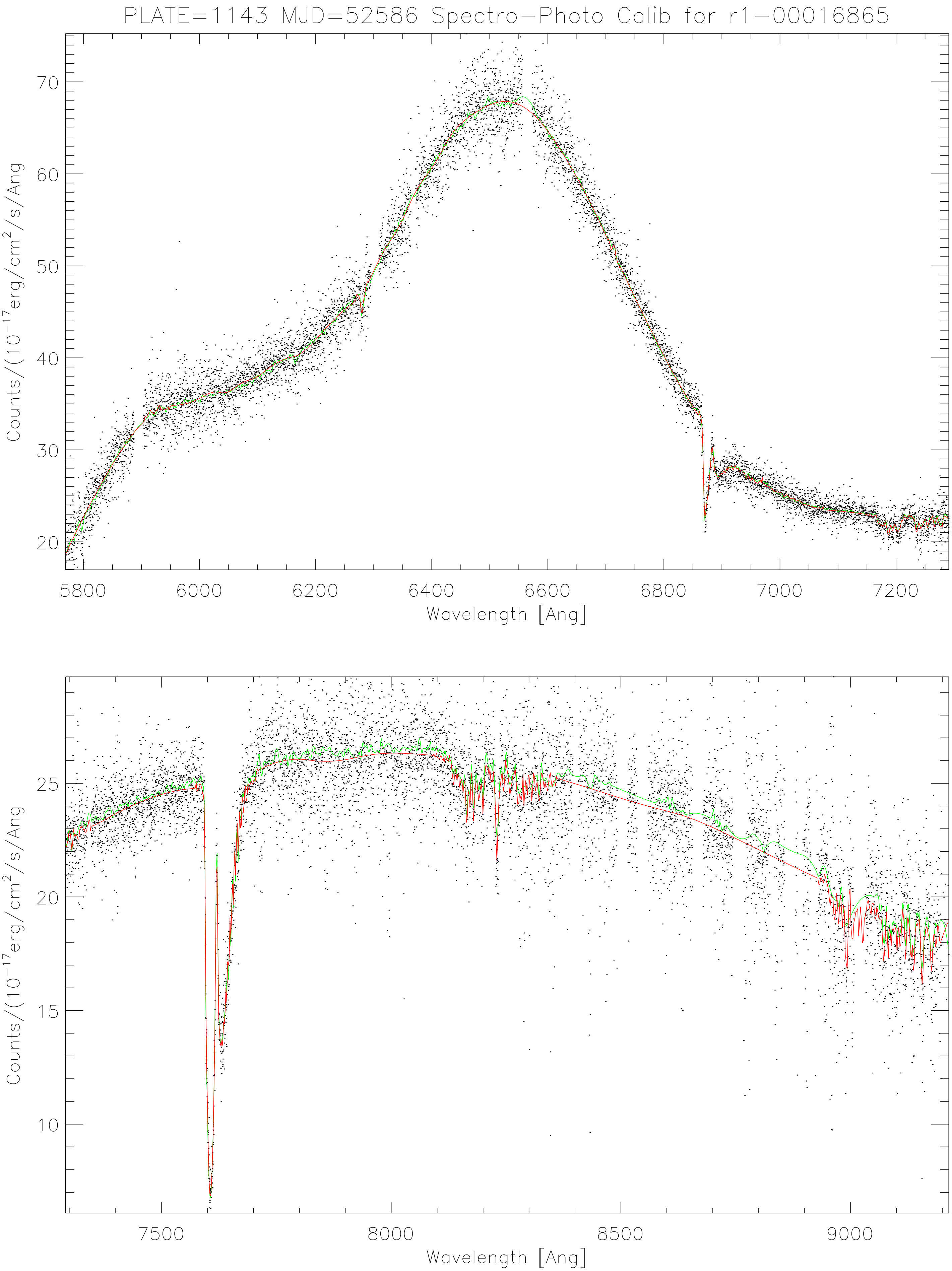
60
40
20
0
6000
6500
7000
7500
8000
8500
9000


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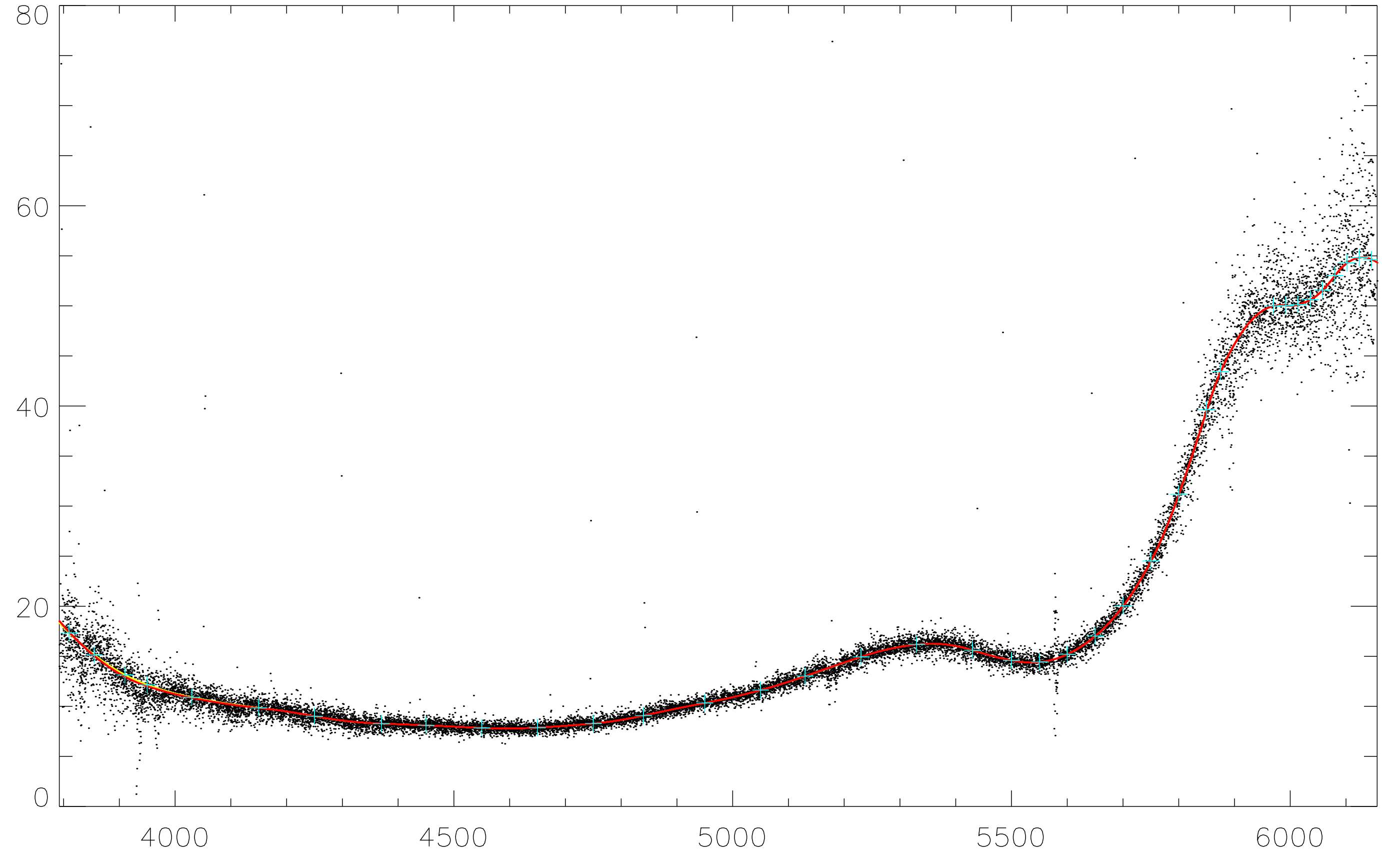
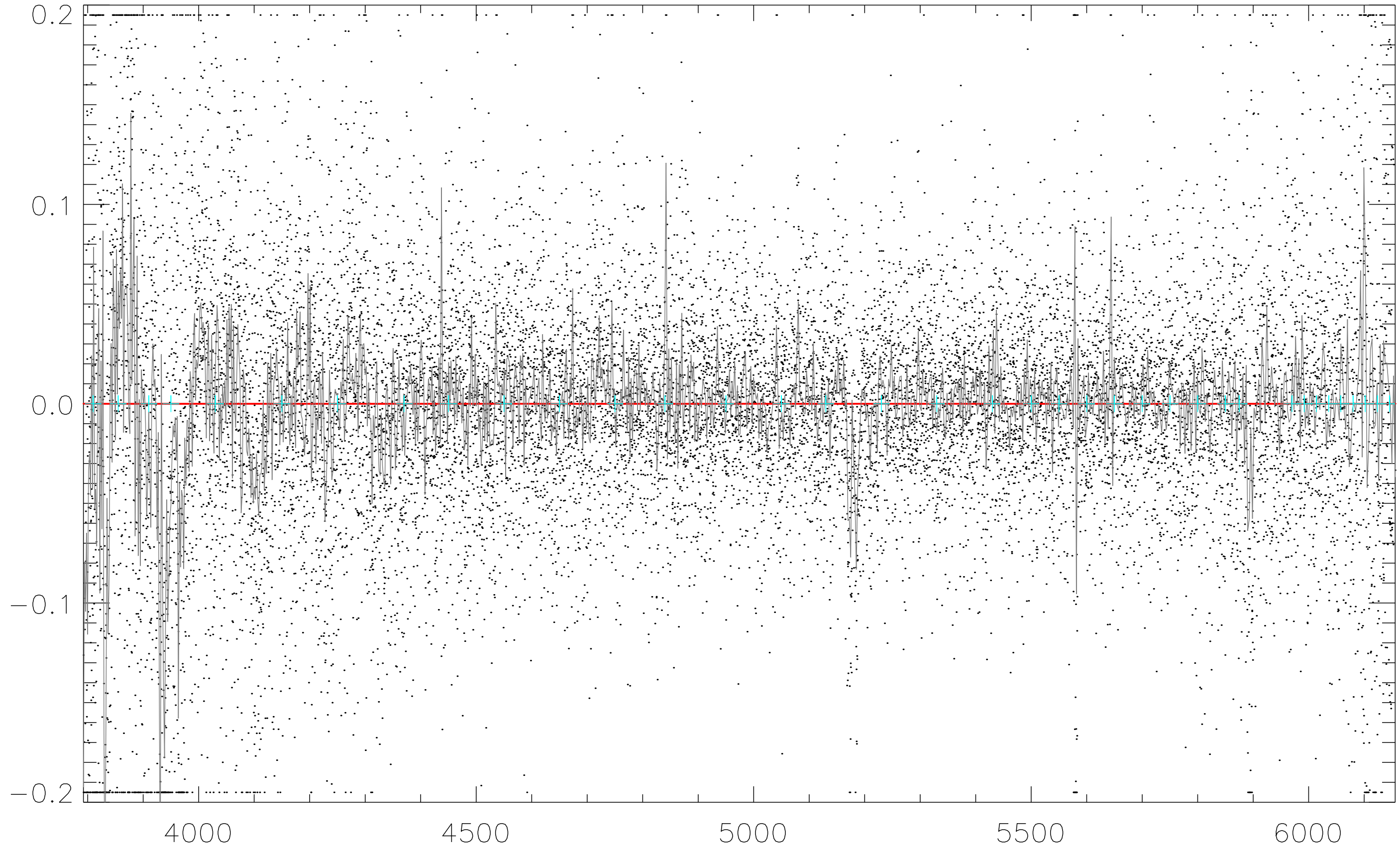
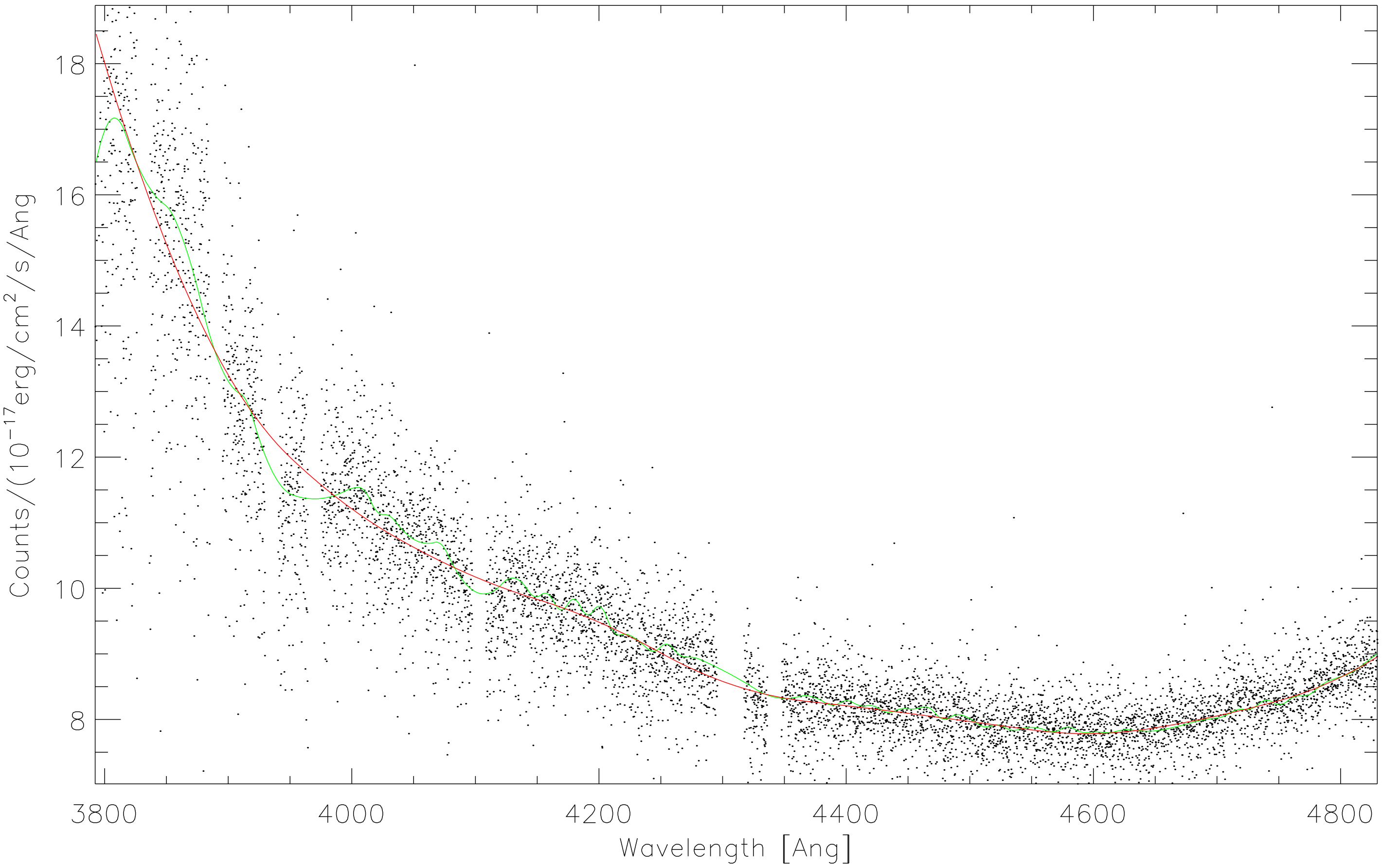


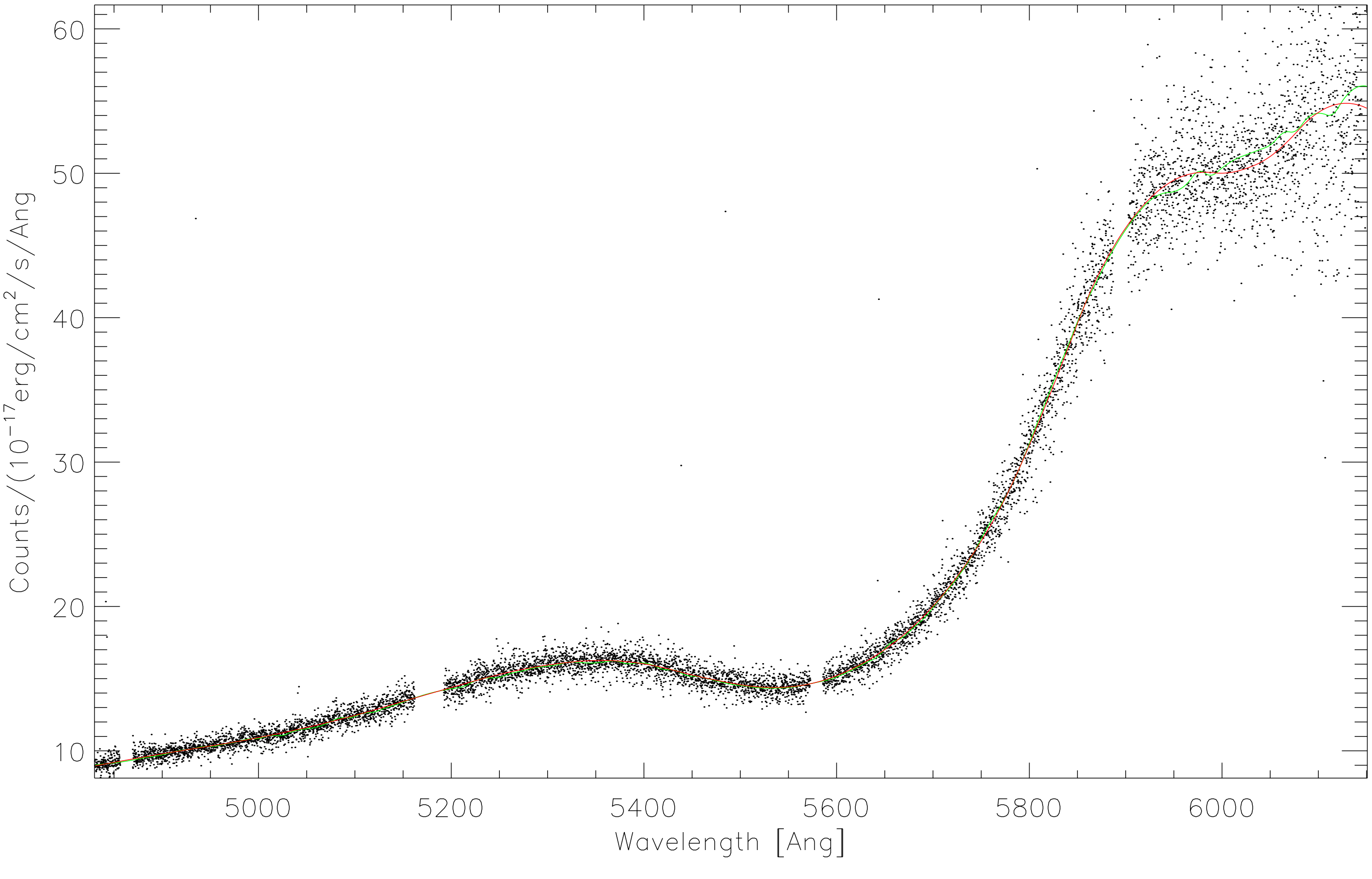
80
60
40
20
0
4000
4500
5000
5500
6000

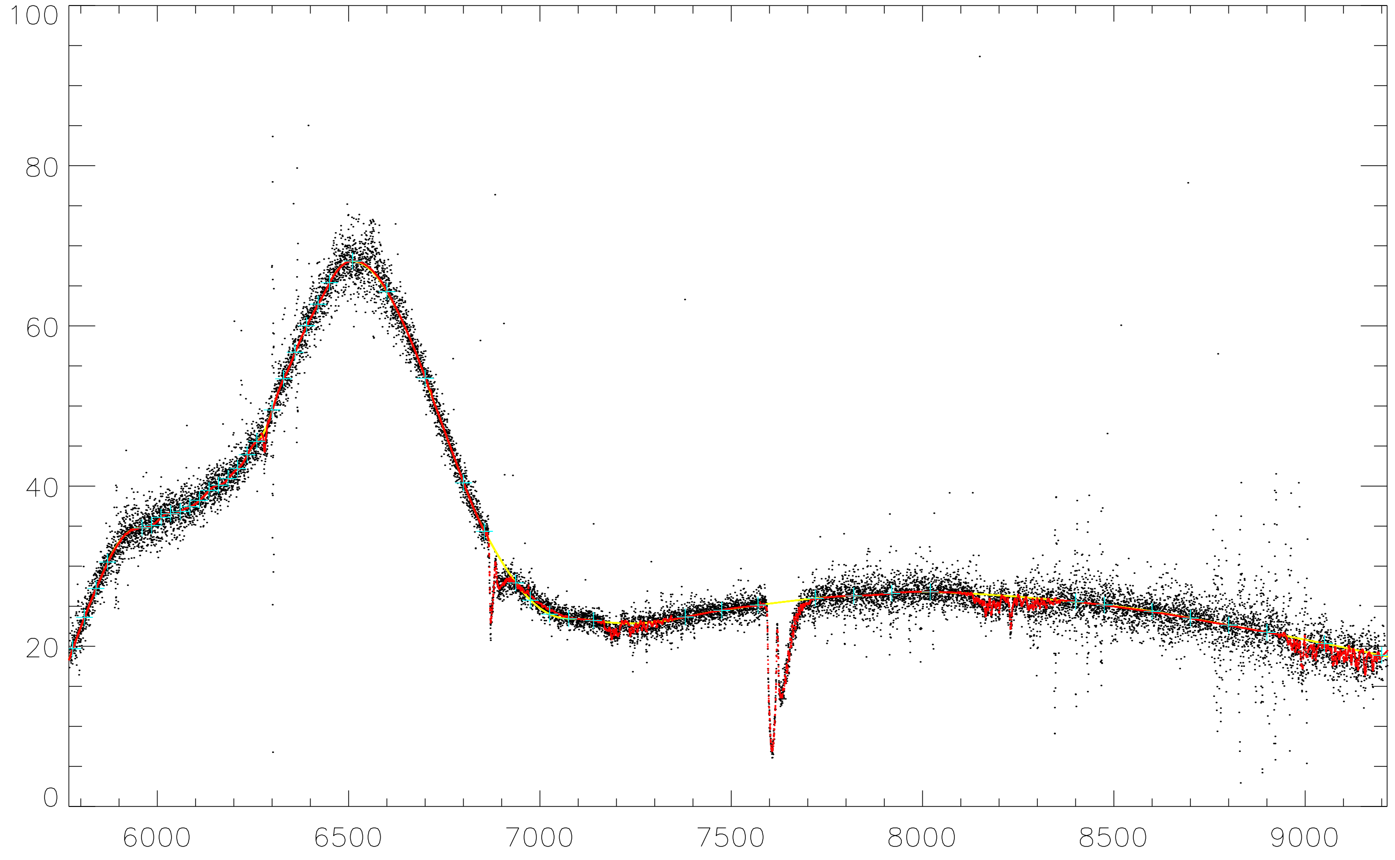


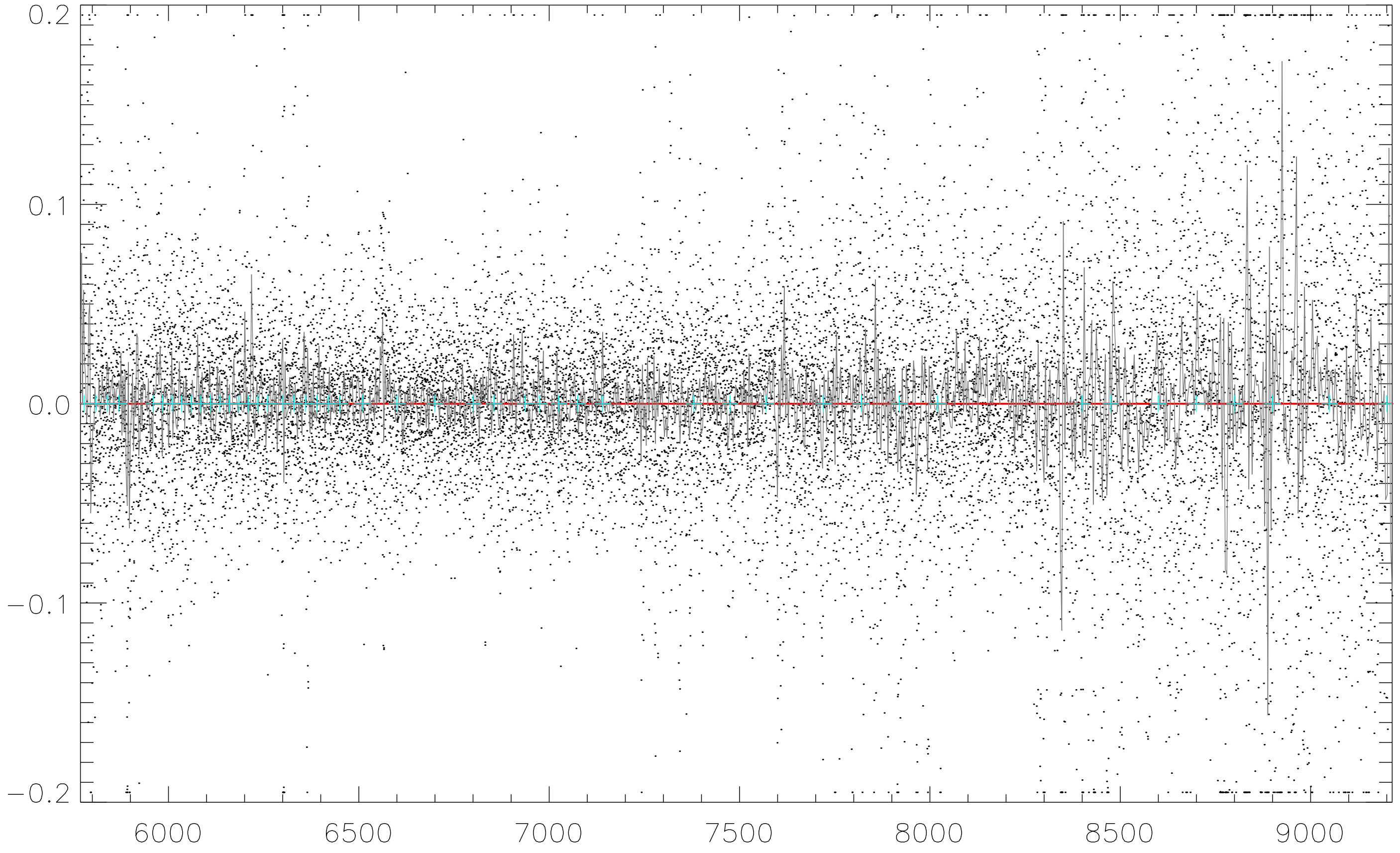
0.2
0.1
0.0
−0.1
−0.2
4000
4500
5000
5500
6000

PLATE=1143 MJD=52586 Spectro-Photo Calib for b1-00016866

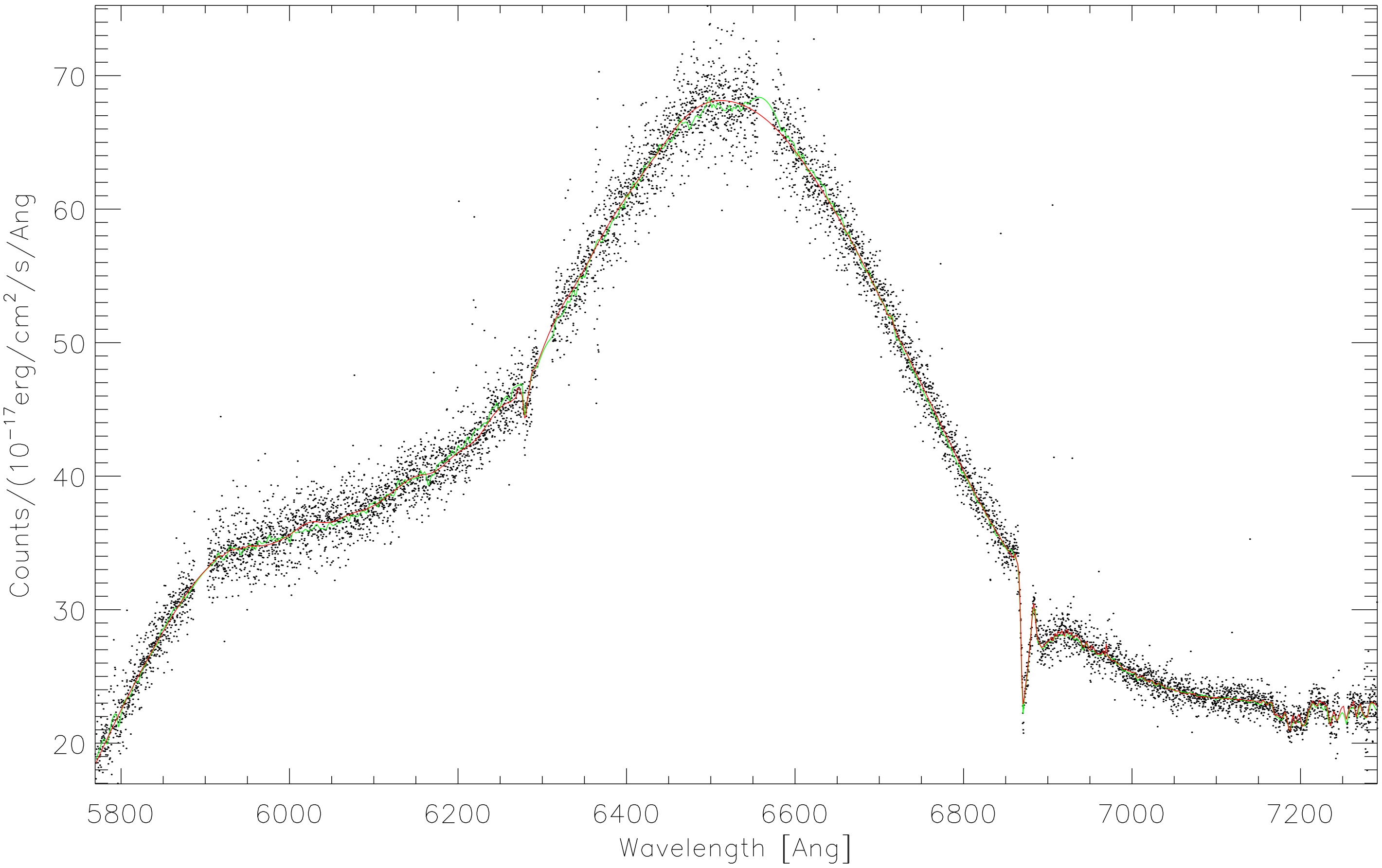


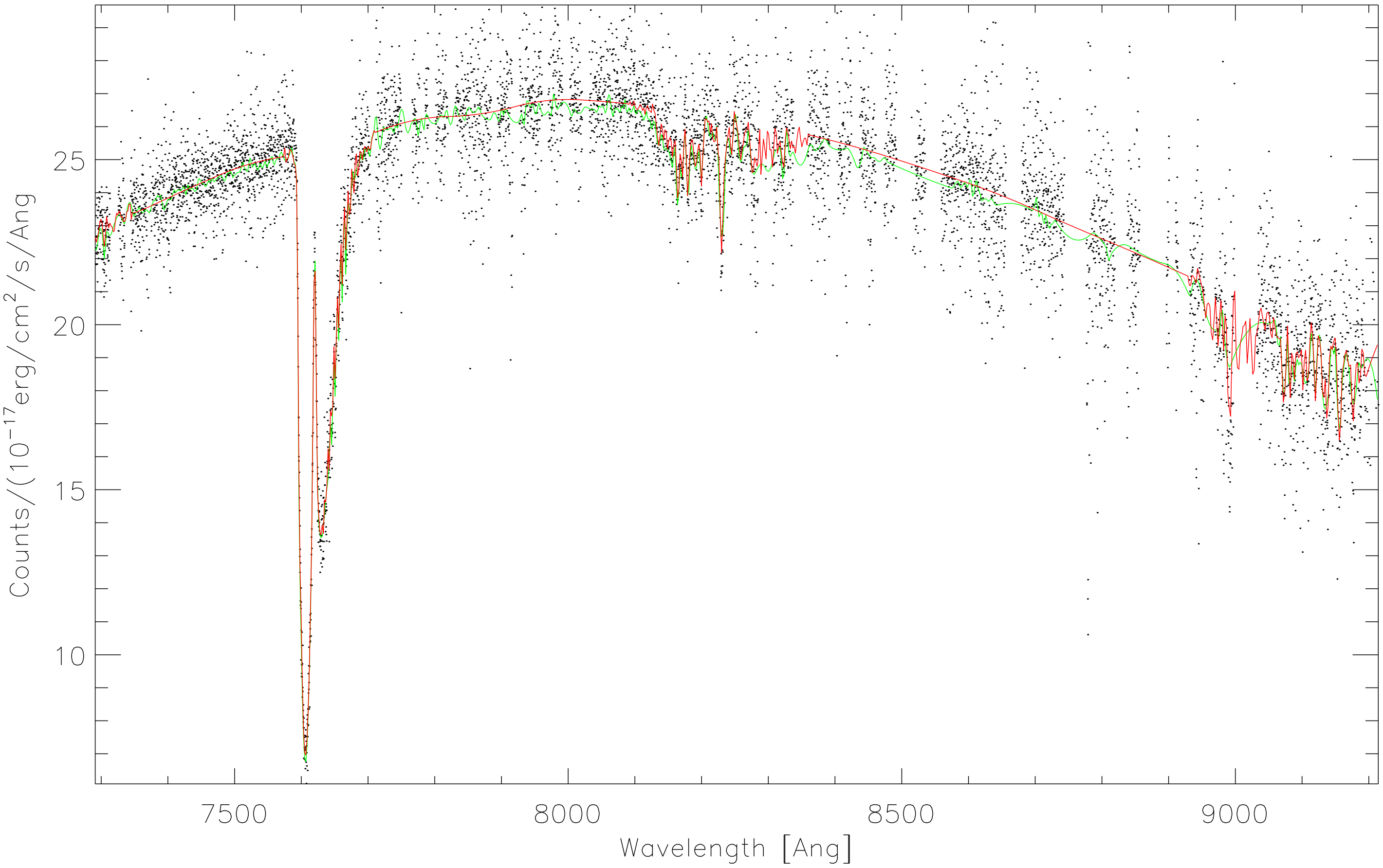


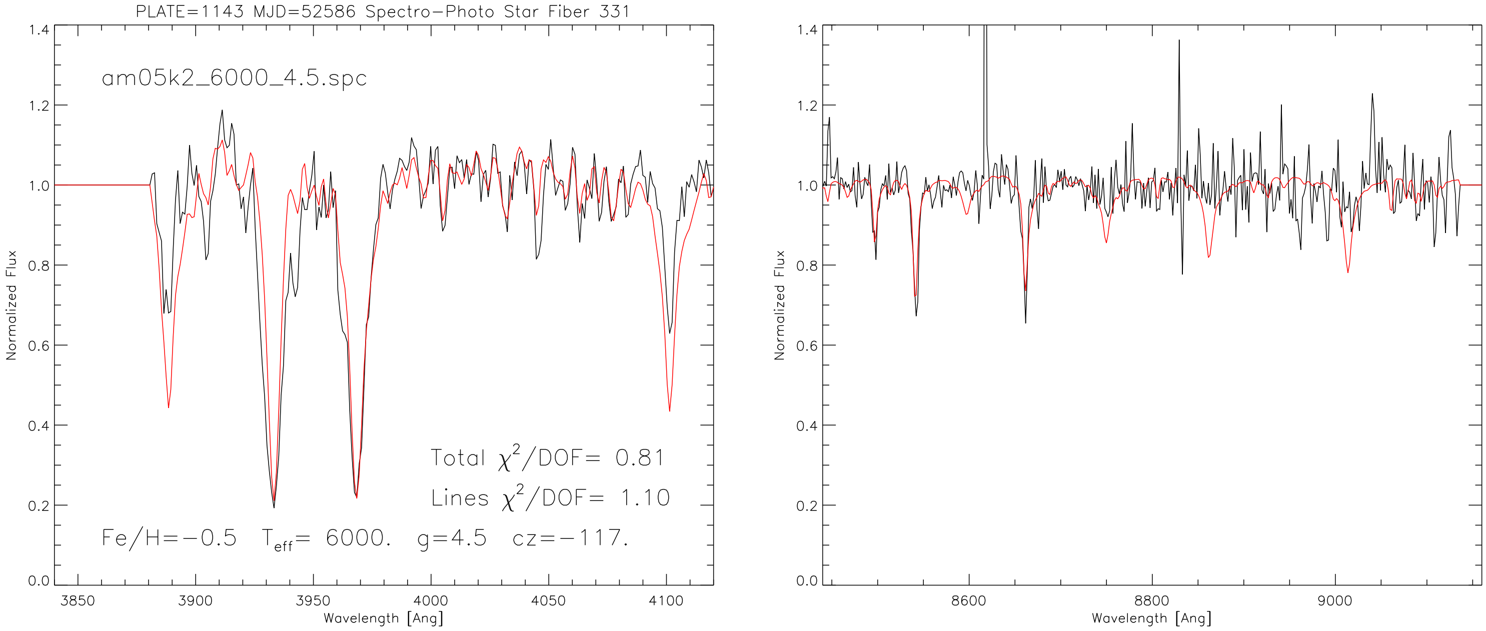

100
80
60
40
20
0
6000
6500
7000
7500
8000
8500
9000

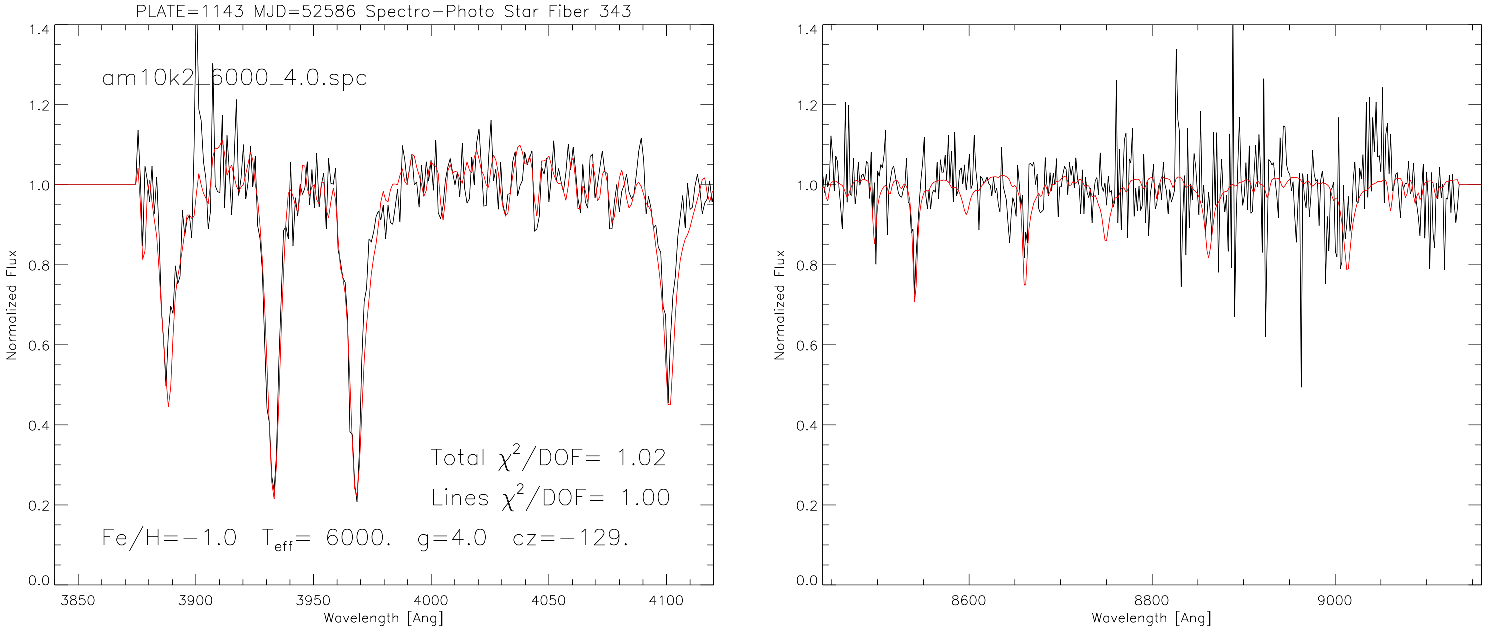

0.2
0.1
0.0
−0.1
−0.2
6000
6500
7000
7500
8000
8500
9000

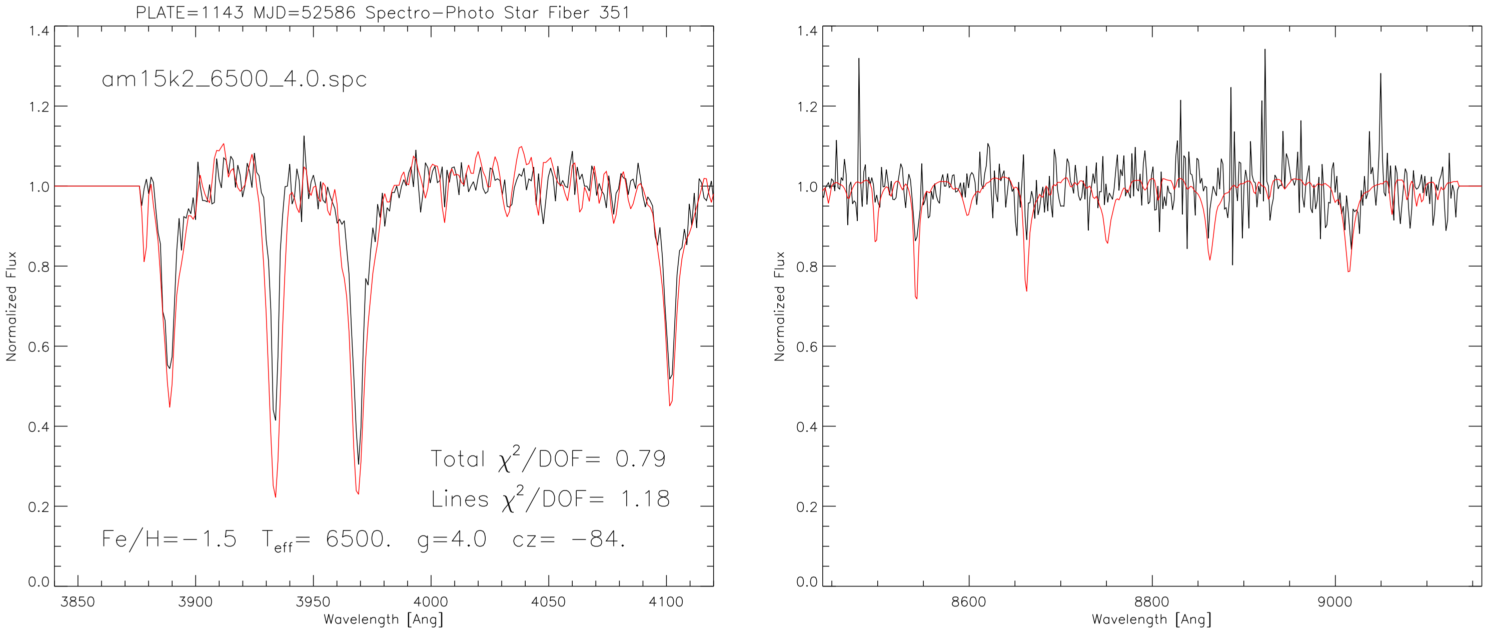
PLATE=1143 MJD=52586 Spectro-Photo Calib for r1-00016866



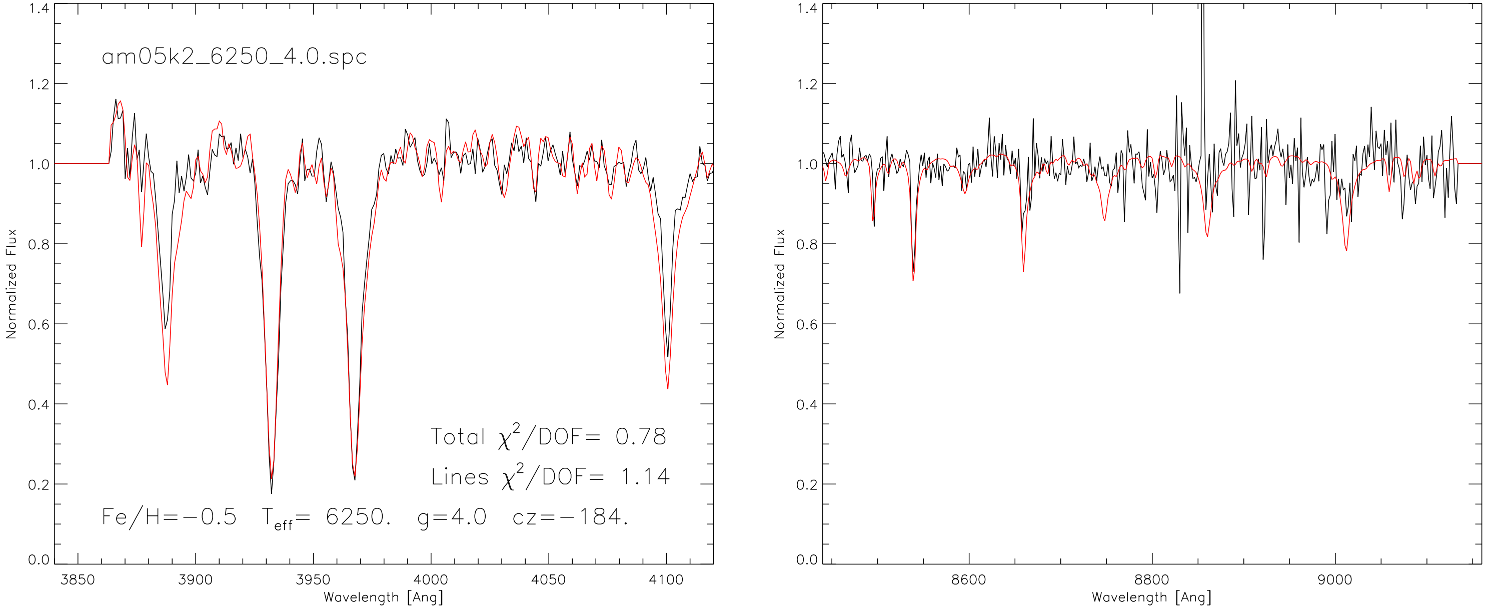



PLATE=1143 MJD=52586 Spectro−Photo Star Fiber 331
am05k2_6000_4.5.spc
Total χ^2/DOF= 0.81
Lines χ^2/DOF= 1.10
Fe/H=−0.5 T_{eff}= 6000. g=4.5 cz=−117.
Normalized Flux
0.0
0.2
0.4
0.6
0.8
1.0
1.2
1.4
3850
3900
3950
4000
4050
4100
Wavelength [Ang]
8600
8800
9000
Wavelength [Ang]

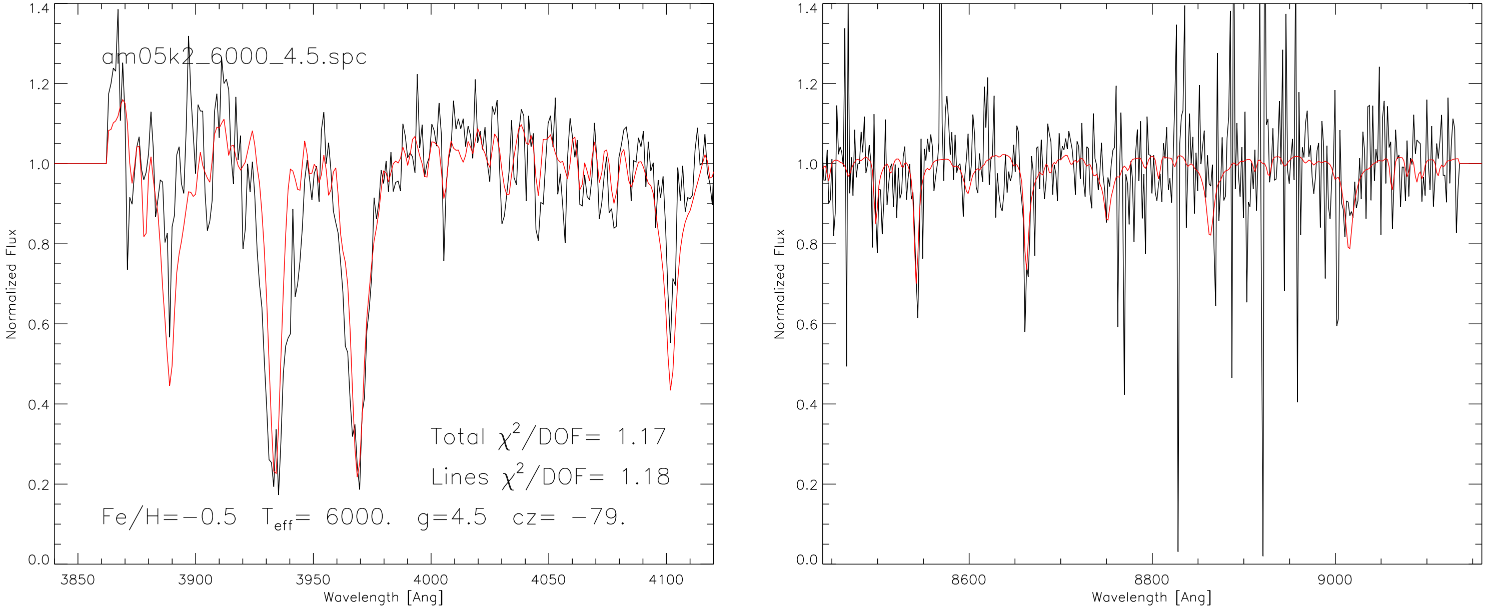

PLATE=1143 MJD=52586 Spectro−Photo Star Fiber 343
am10k2_6000_4.0.spc
Total χ^2/DOF= 1.02
Lines χ^2/DOF= 1.00
Fe/H=−1.0 T_{eff}= 6000. g=4.0 cz=−129.
Normalized Flux
0.0
0.2
0.4
0.6
0.8
1.0
1.2
1.4
3850
3900
3950
4000
4050
4100
Wavelength [Ang]
8600
8800
9000
Wavelength [Ang]


PLATE=1143 MJD=52586 Spectro−Photo Star Fiber 351
am15k2_6500_4.0.spc
Total χ^2/DOF= 0.79
Lines χ^2/DOF= 1.18
Fe/H=−1.5 T_{eff}= 6500. g=4.0 cz= −84.
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]

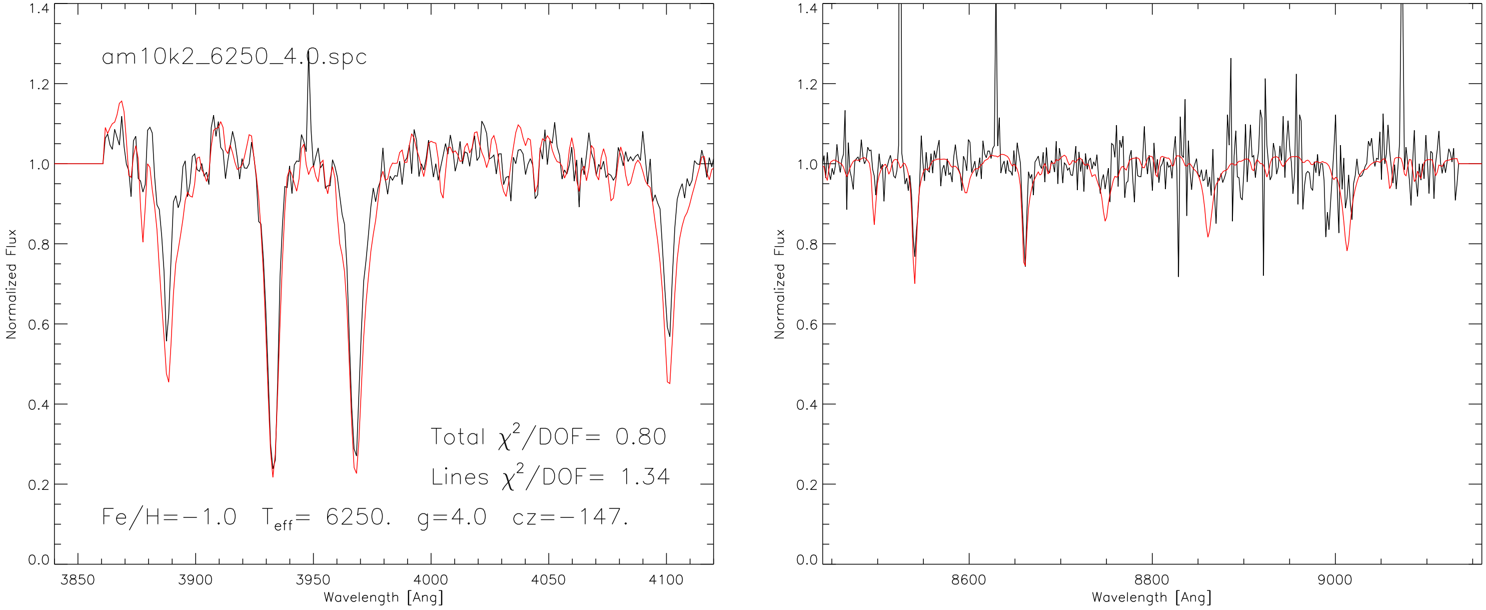
PLATE=1143 MJD=52586 Spectro−Photo Star Fiber 422



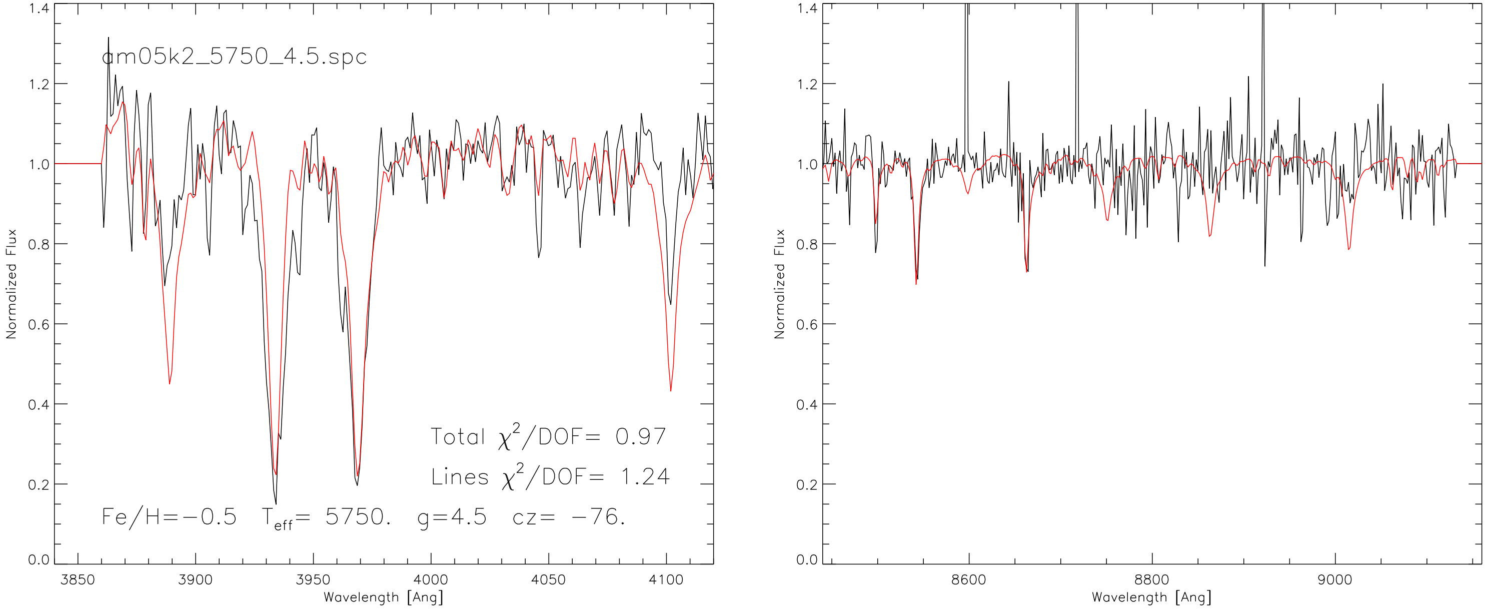
PLATE=1143 MJD=52586 Spectro−Photo Star Fiber 429



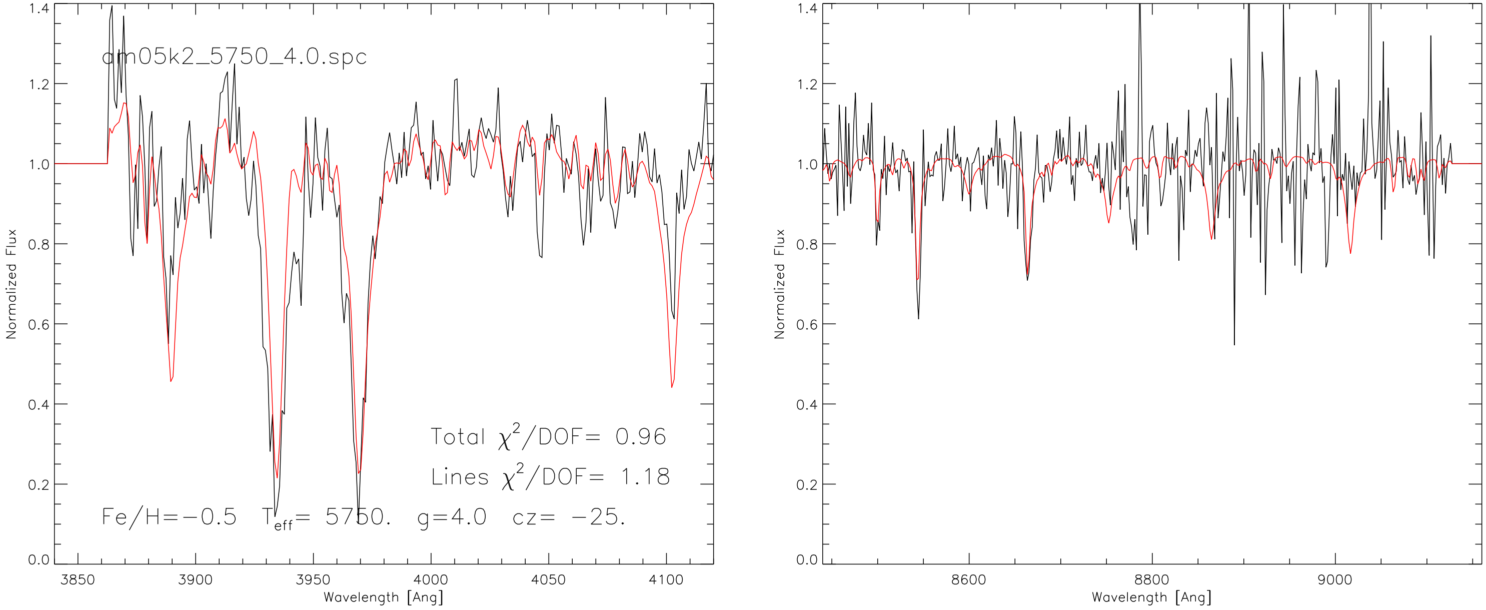
PLATE=1143 MJD=52586 Spectro−Photo Star Fiber 450

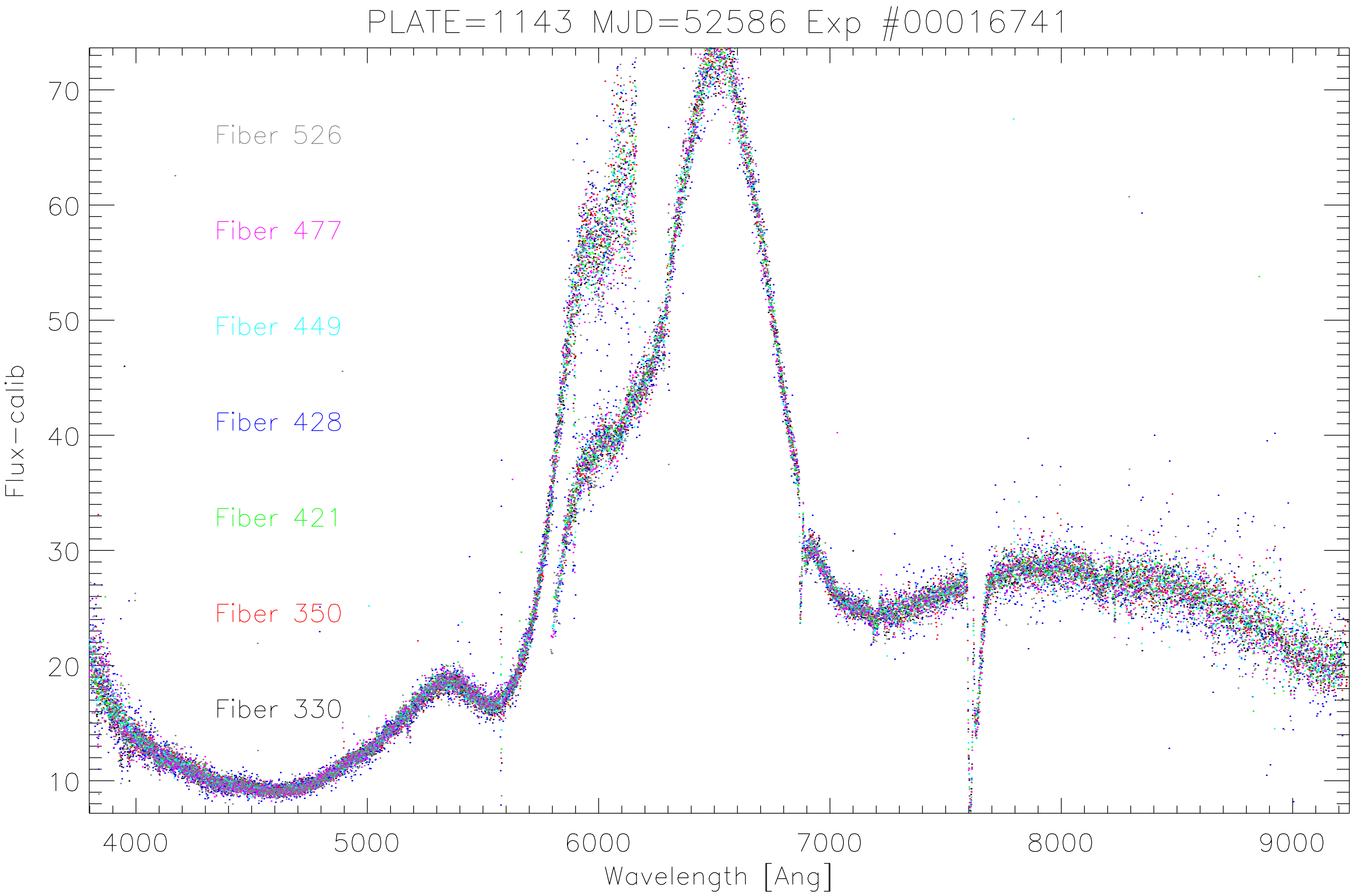


PLATE=1143 MJD=52586 Spectro−Photo Star Fiber 478



PLATE=1143 MJD=52586 Spectro−Photo Star Fiber 527

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Flux-calib
Wavelength [Ang]
Fiber 526
Fiber 477
Fiber 449
Fiber 428
Fiber 421
Fiber 350
Fiber 330
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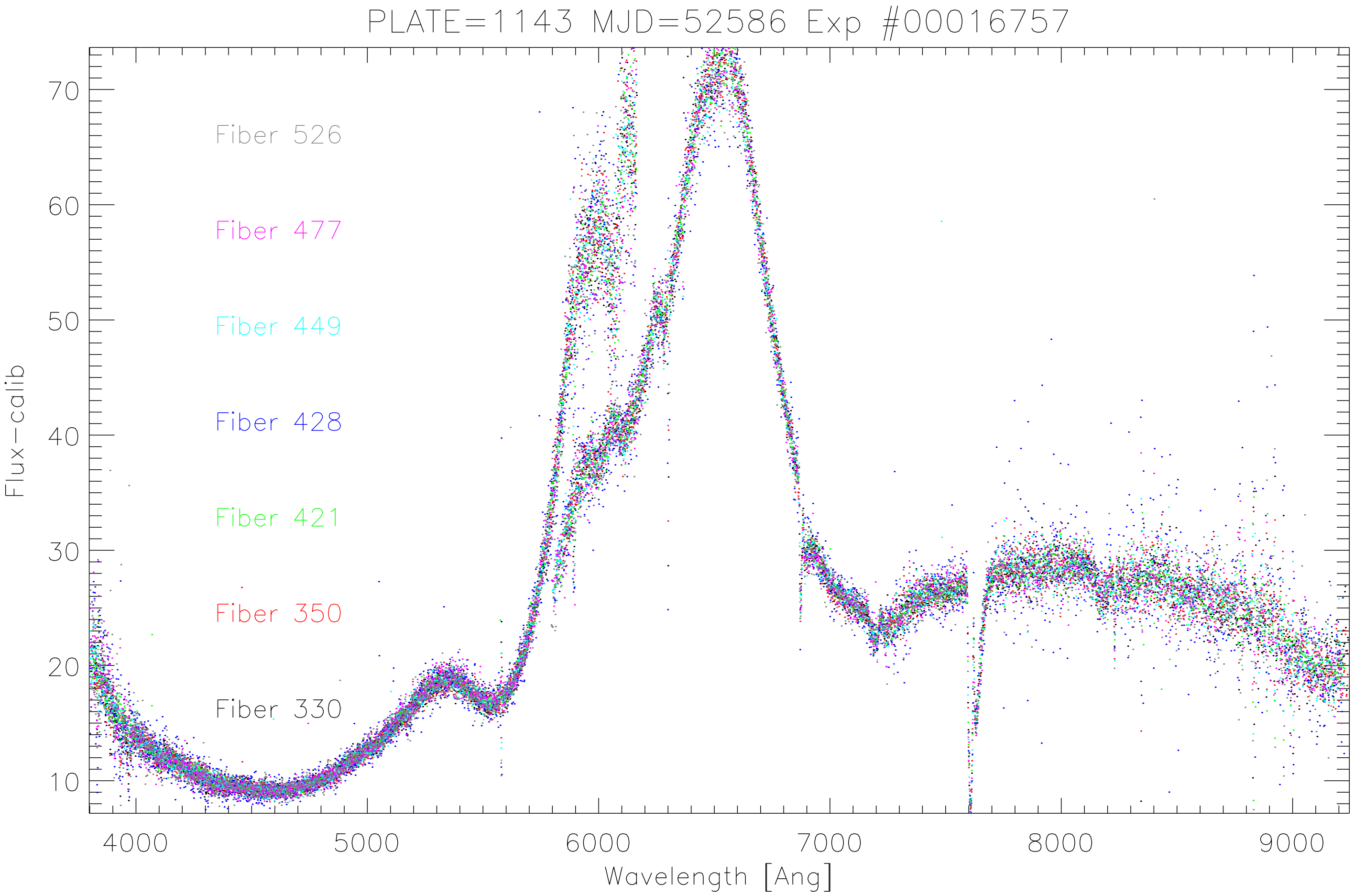
5000
6000
7000
8000
9000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Wavelength [Ang]
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Fiber 477
Fiber 449
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Fiber 421
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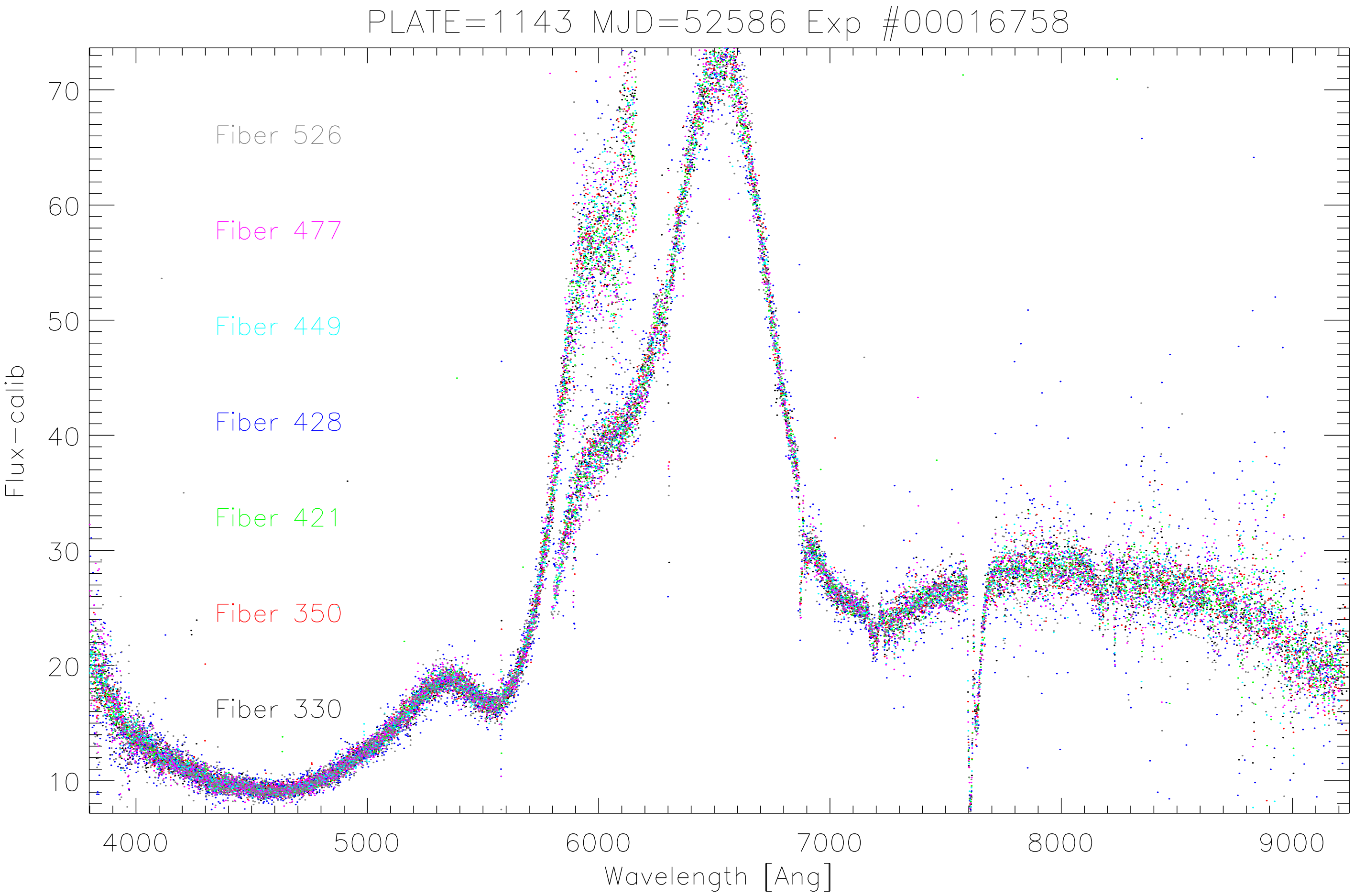
5000
6000
7000
8000
9000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Fiber 526
Fiber 477
Fiber 449
Fiber 428
Fiber 421
Fiber 350
Fiber 330
Flux−calib
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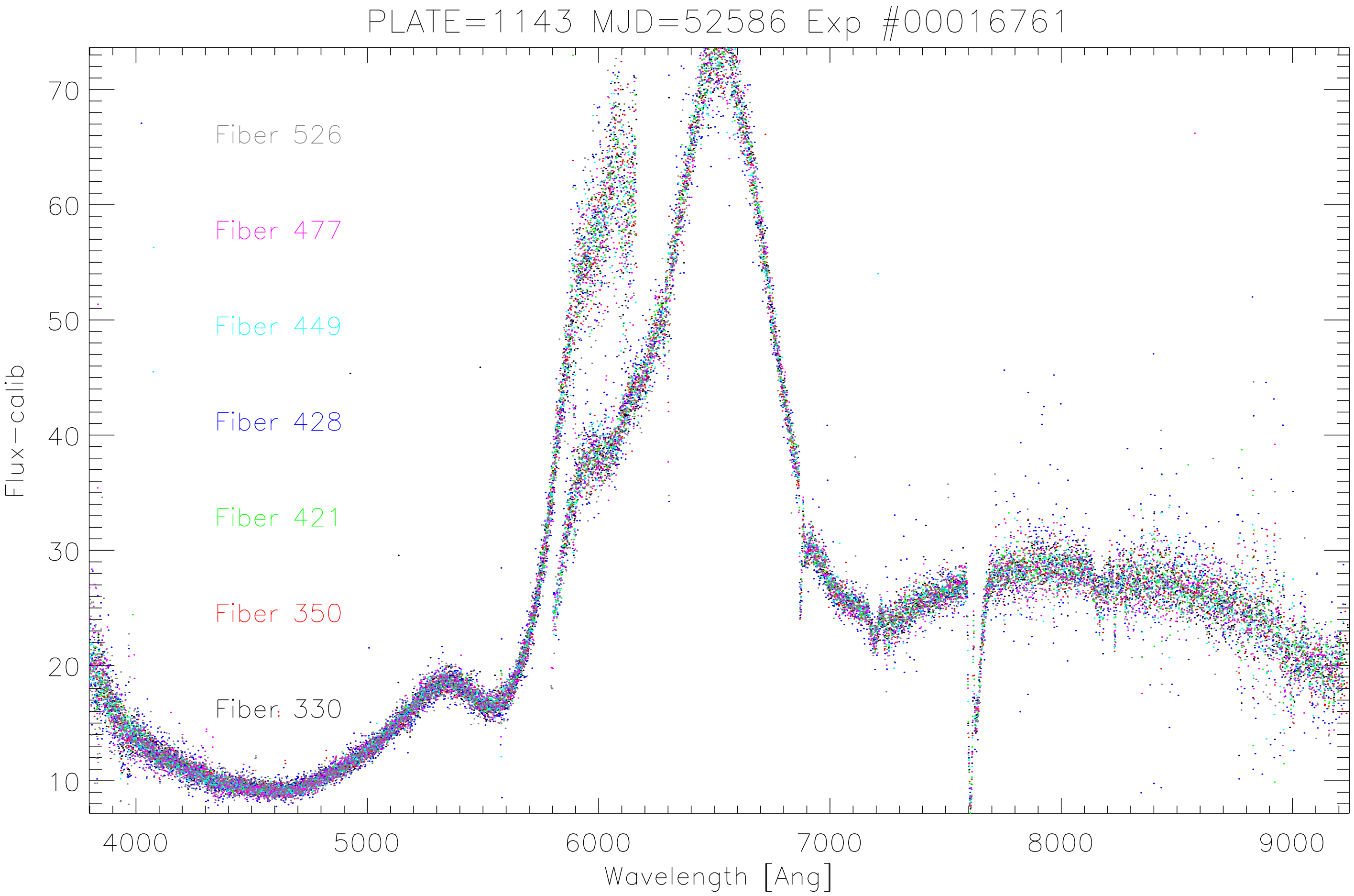
4000
5000
6000
7000
8000
9000
Wavelength [Ang]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Fiber 449
Fiber 428
Fiber 421
Fiber 350
Fiber 330
Flux−calib
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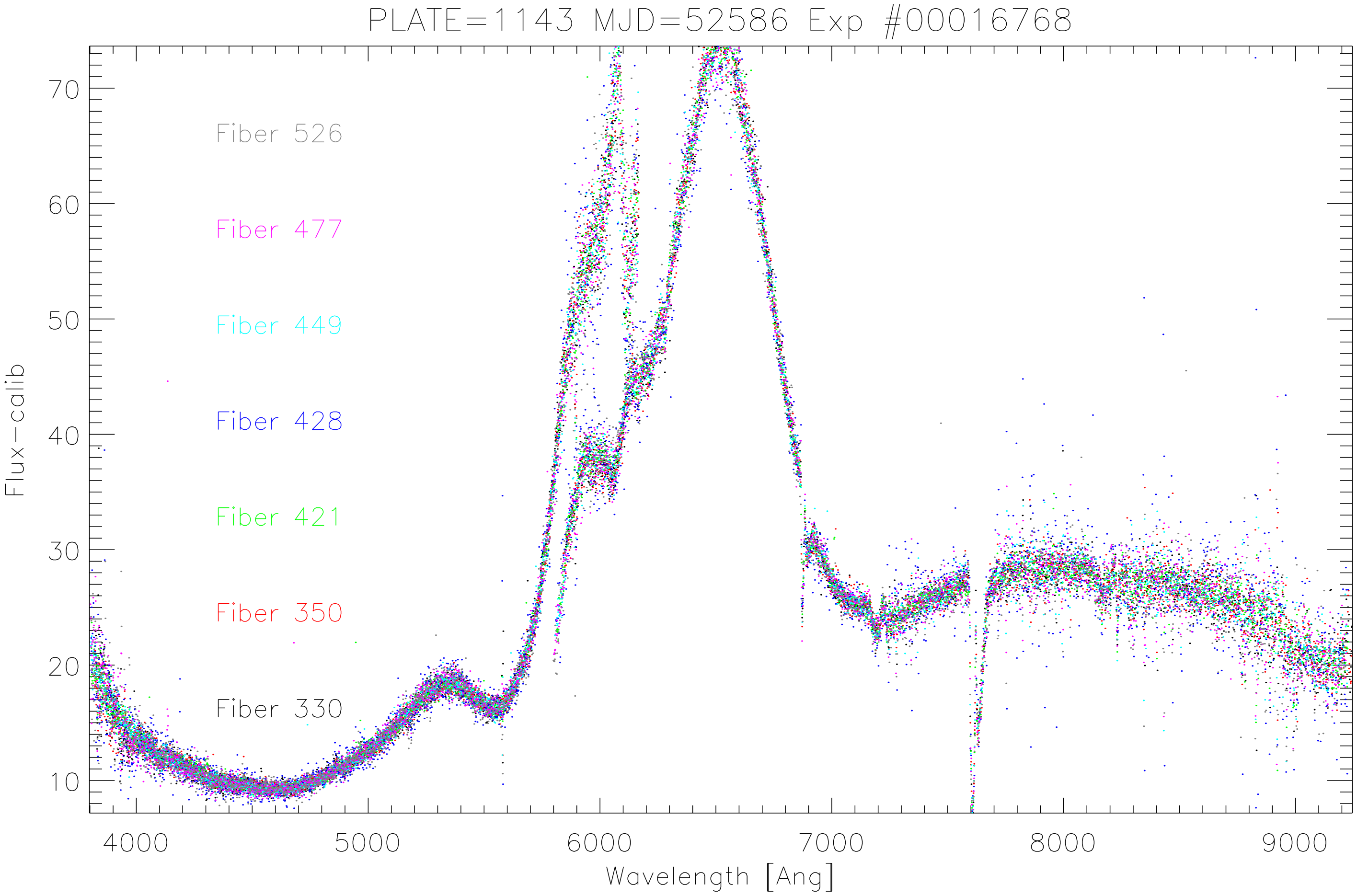
4000
5000
6000
7000
8000
9000
Wavelength [Ang]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Flux−calib
Wavelength [Ang]
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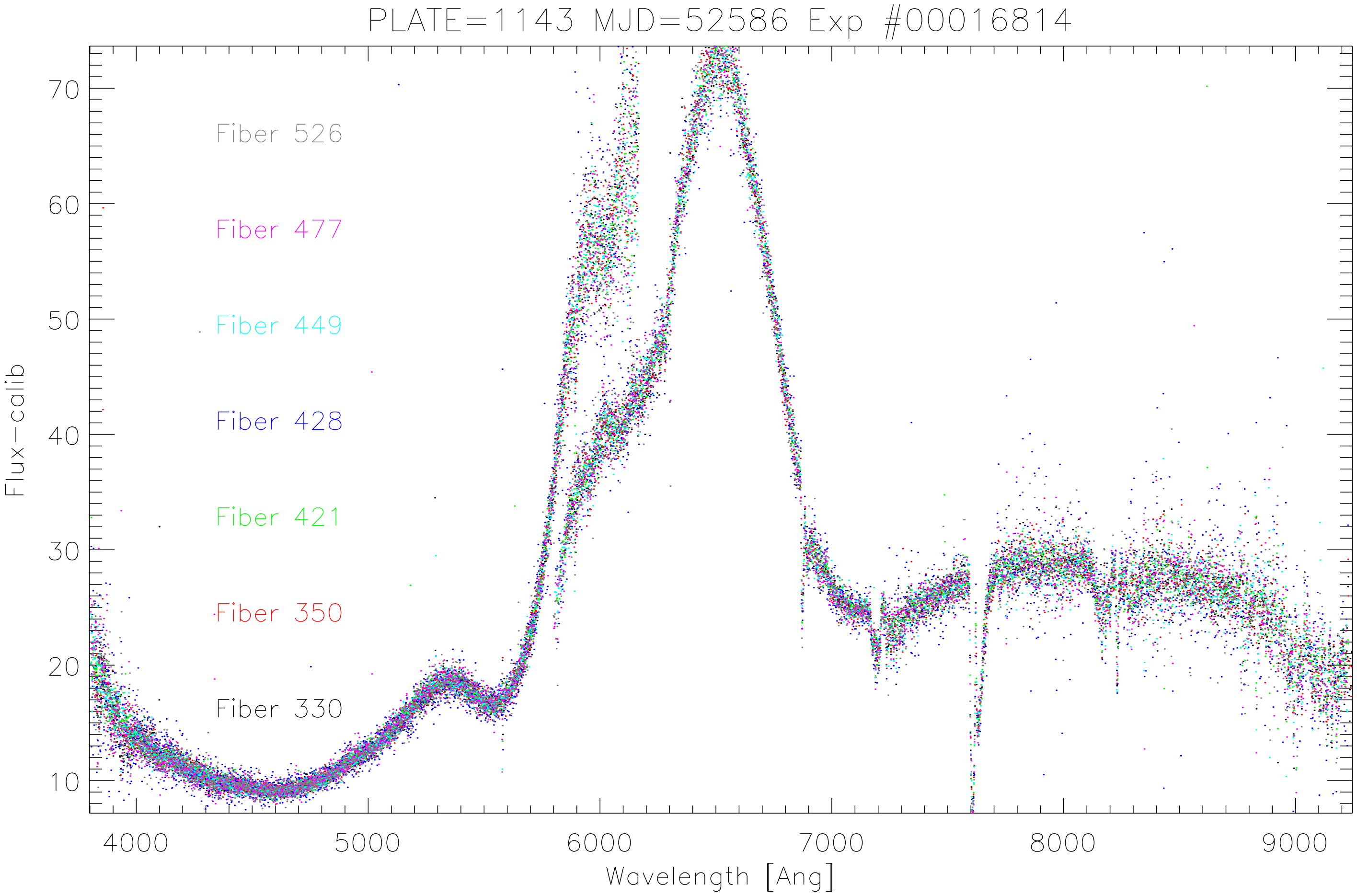
7000
8000
9000
Fiber 526
Fiber 477
Fiber 449
Fiber 428
Fiber 421
Fiber 350
Fiber 330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Flux−calib
Wavelength [Ang]
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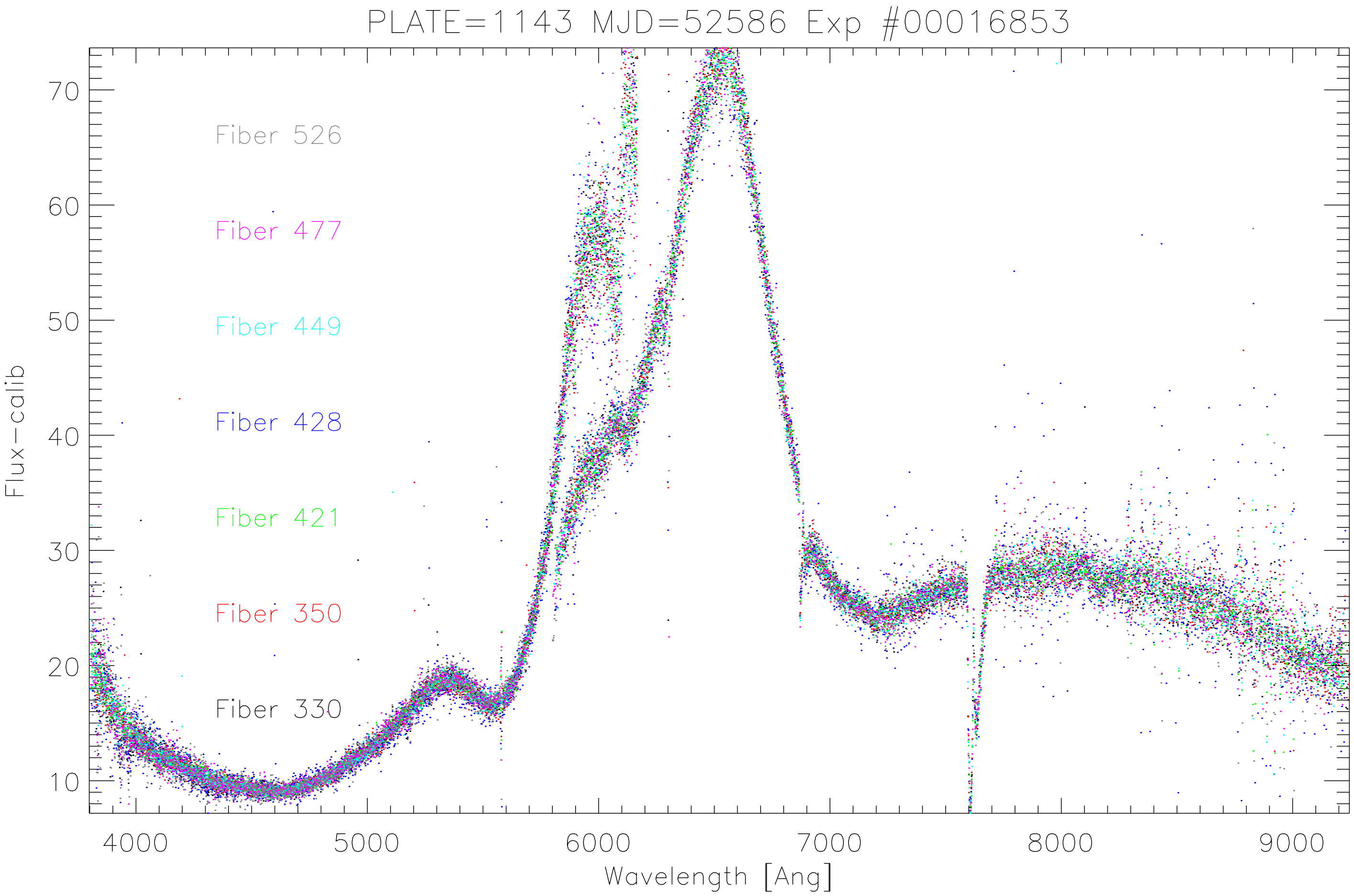
Fiber 421
Fiber 350
Fiber 330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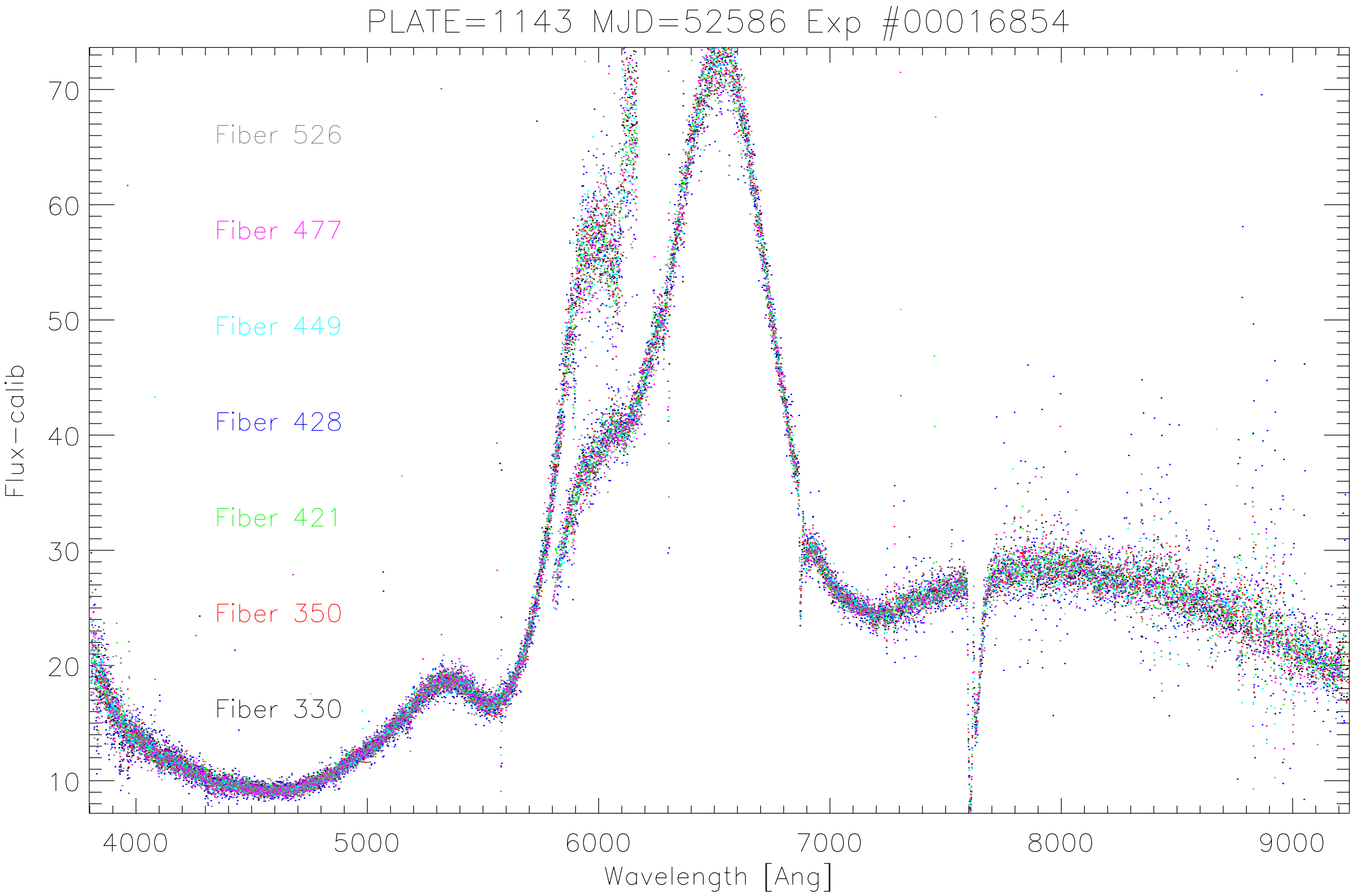
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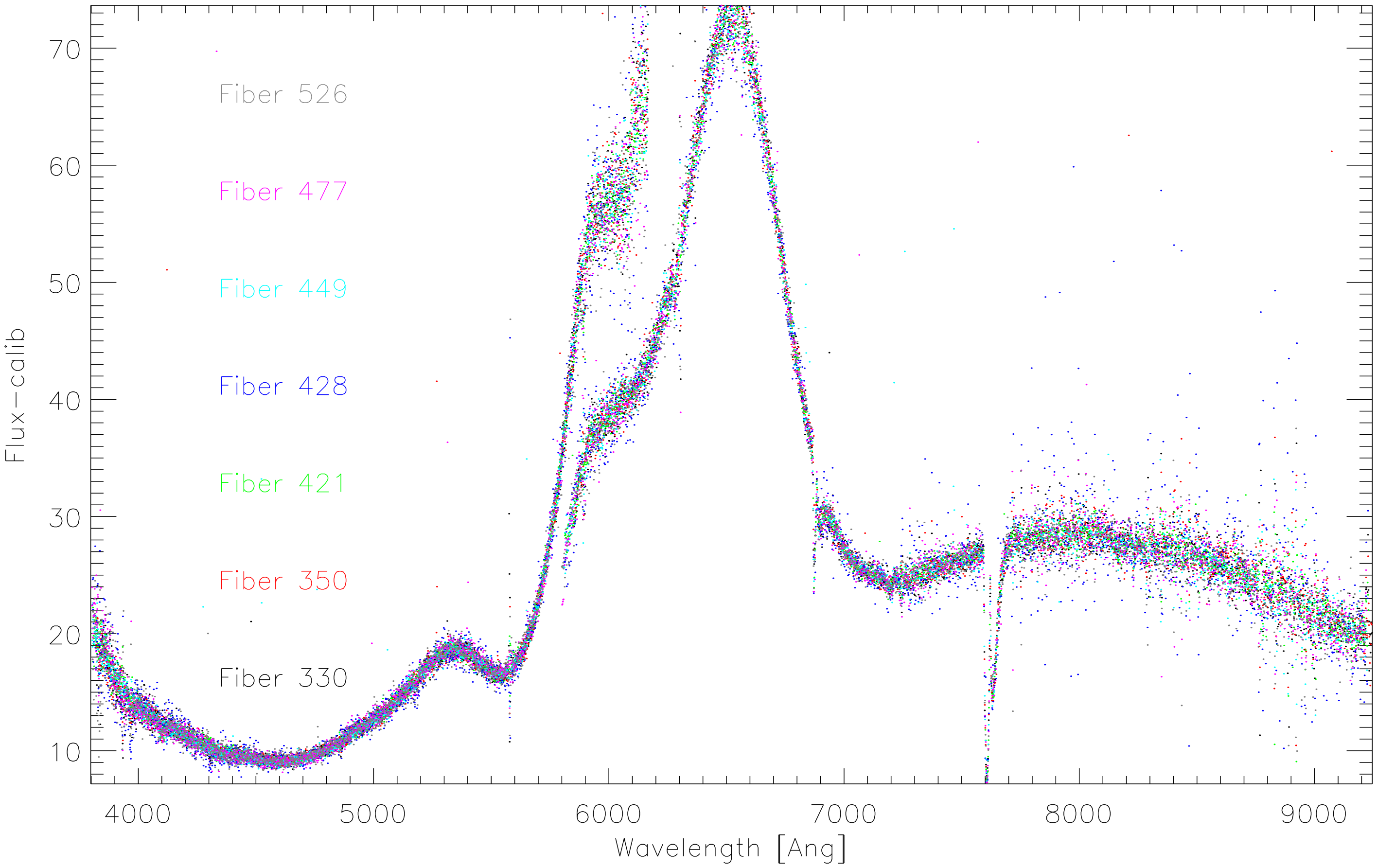
PLATE=1143 MJD=52586 Exp #00016855



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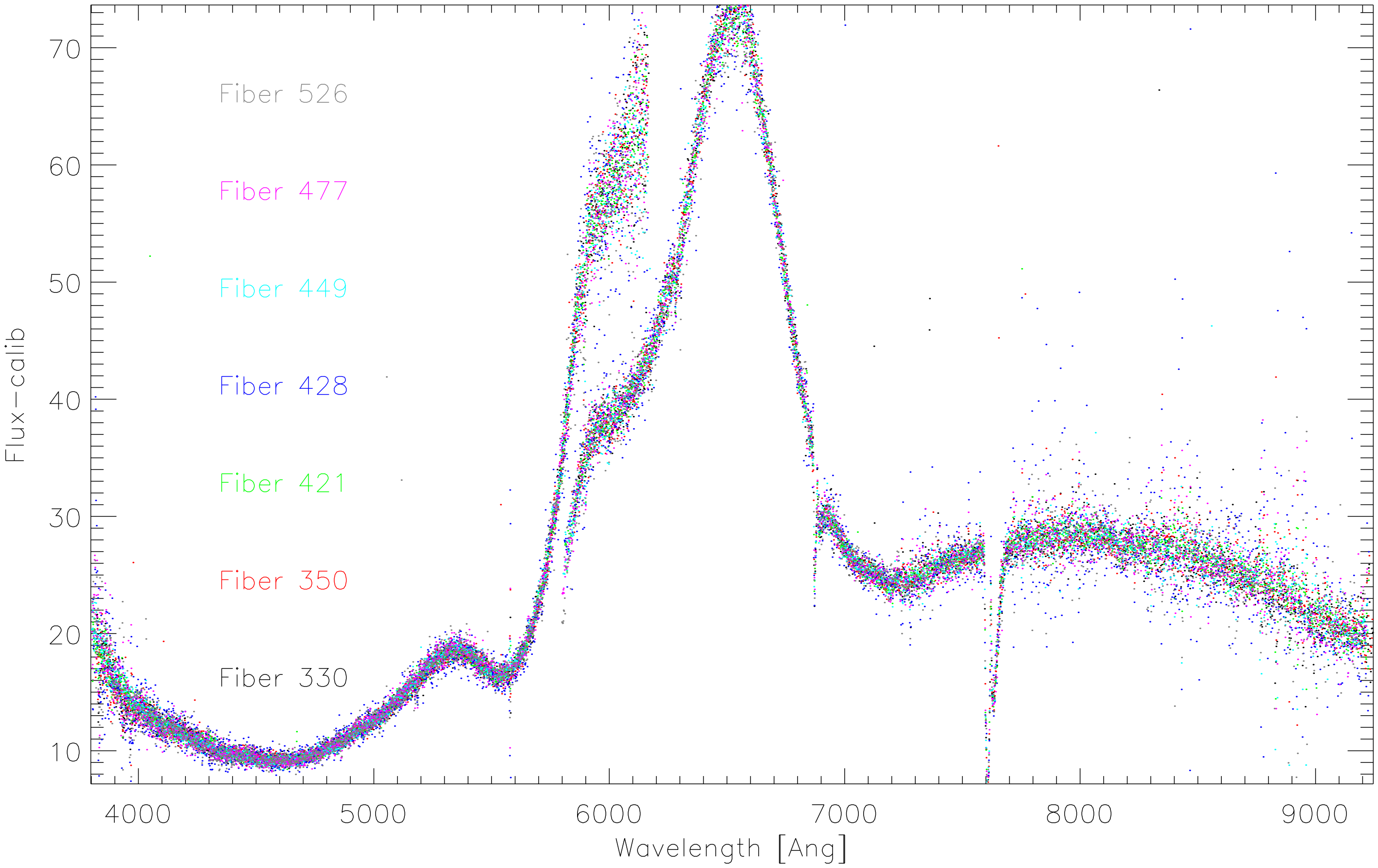

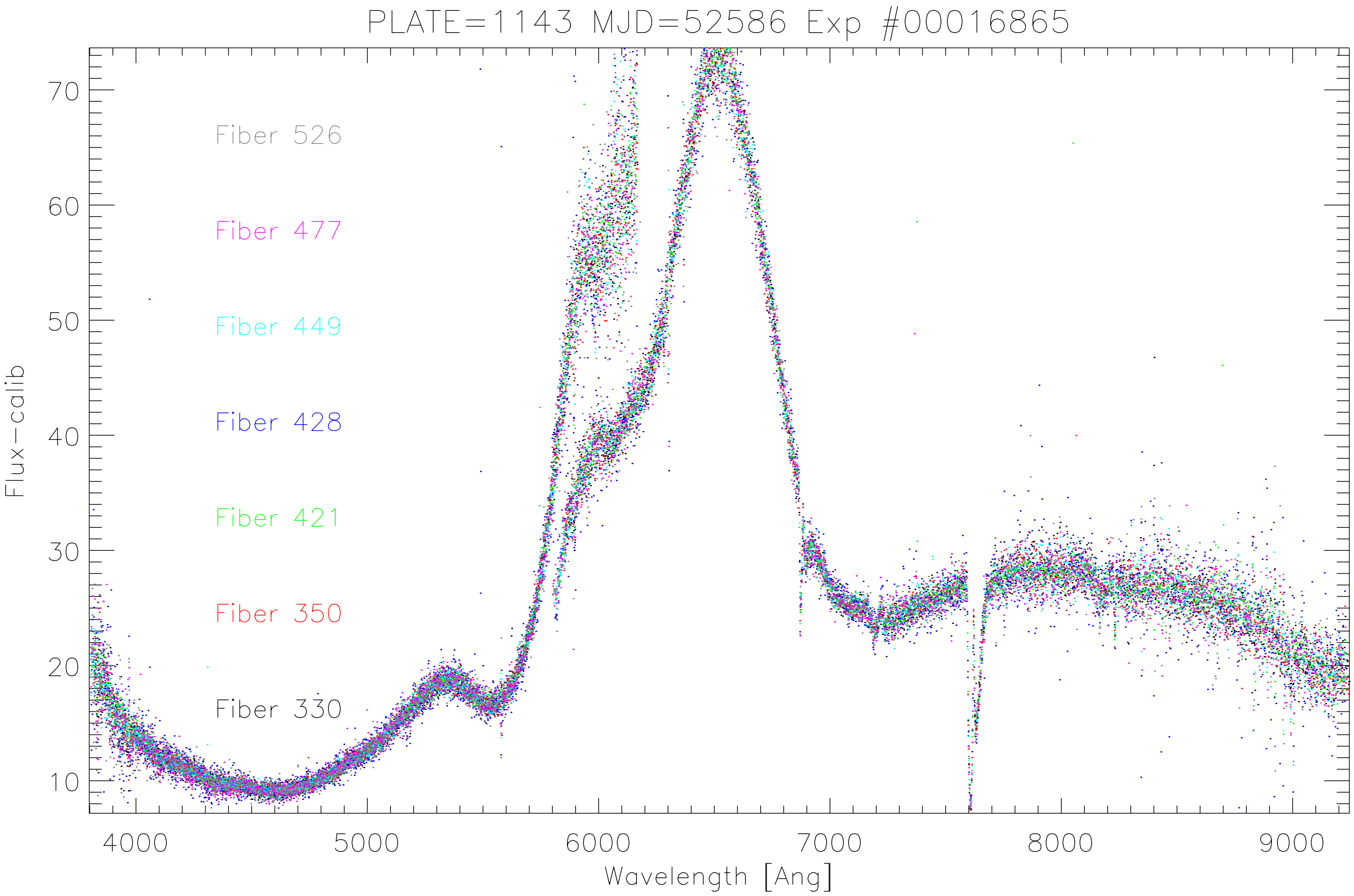
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Wavelength [Ang]
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Fiber 449
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Fiber 421
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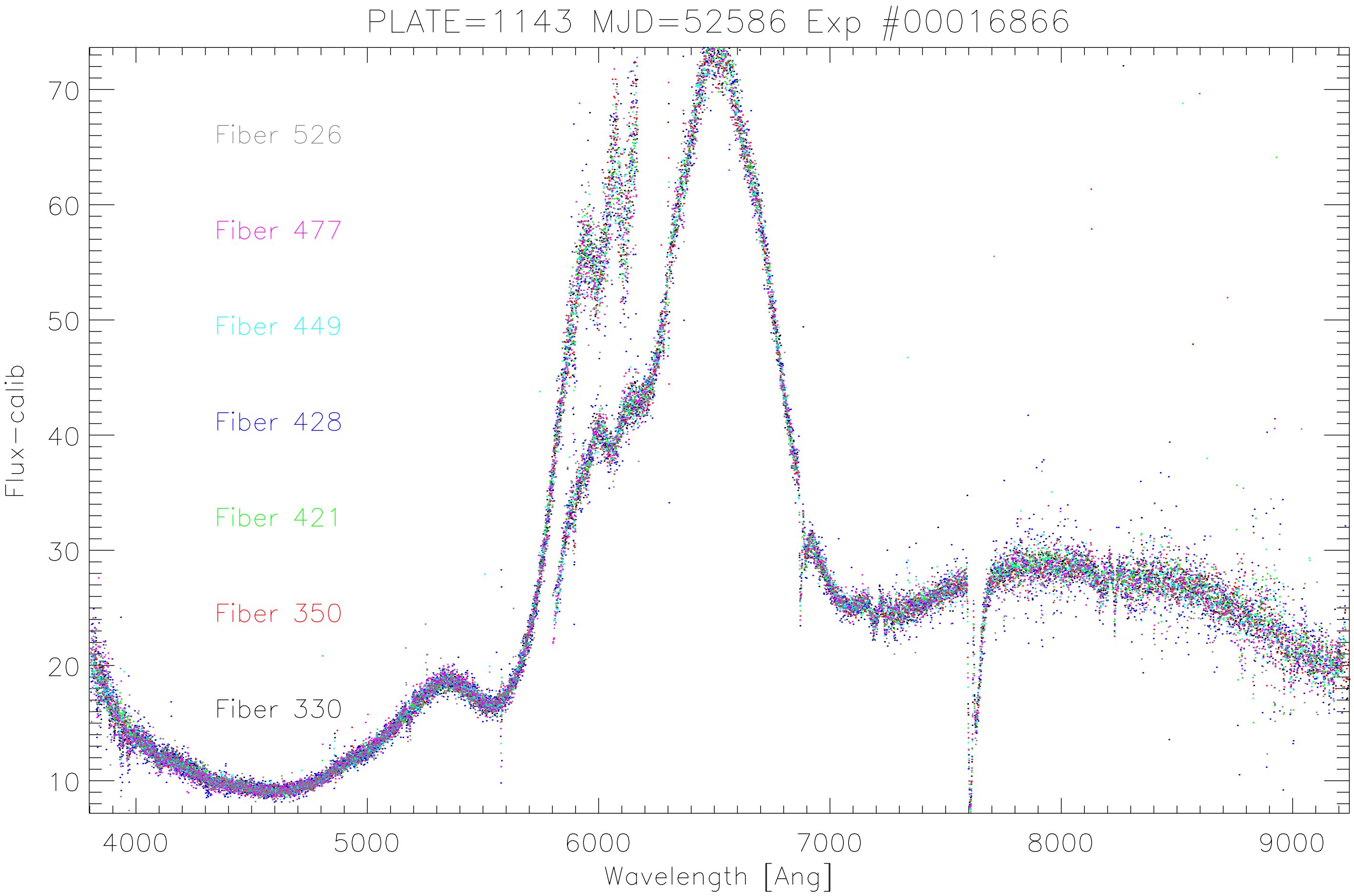
7000
8000
9000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Wavelength [Ang]
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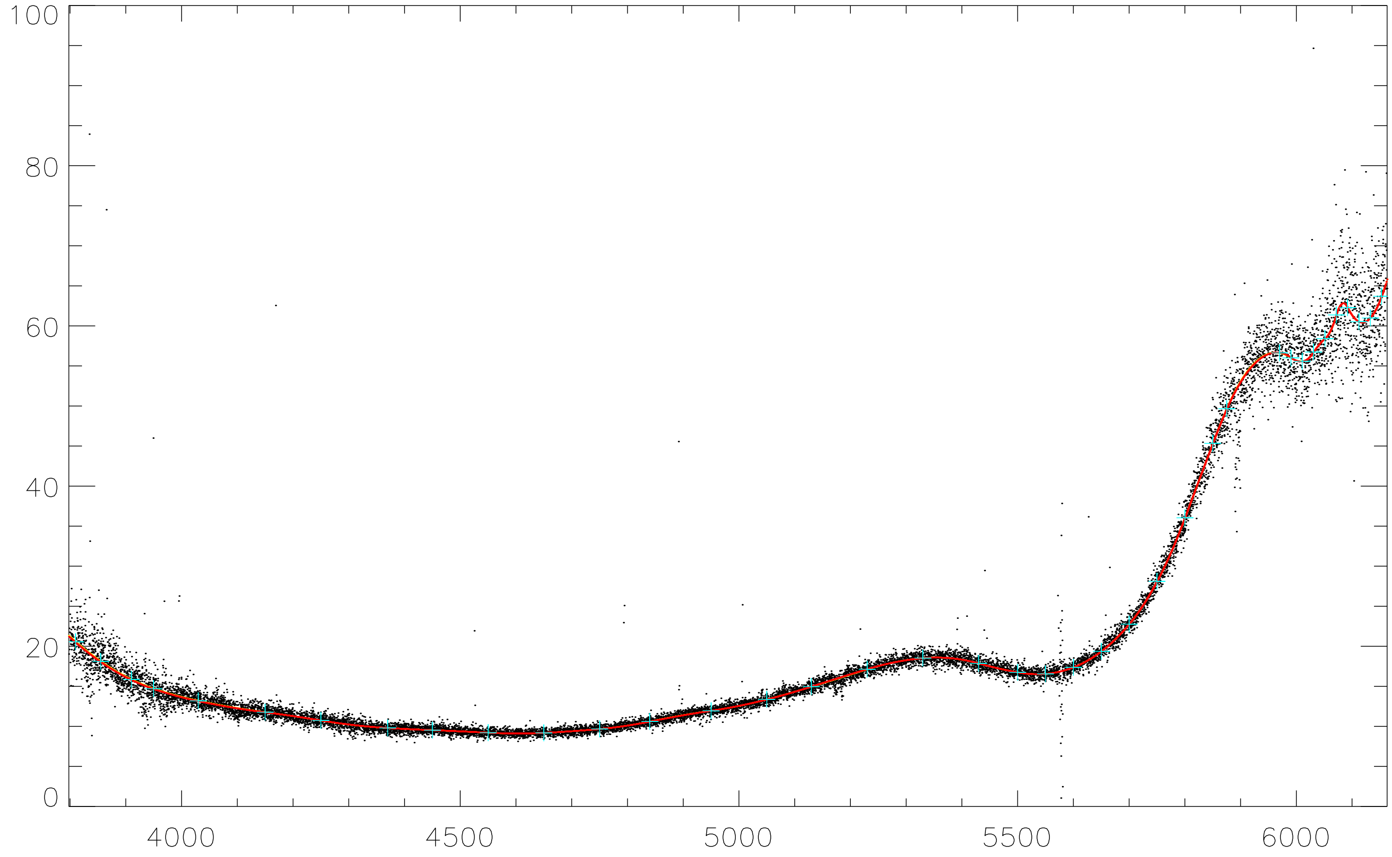
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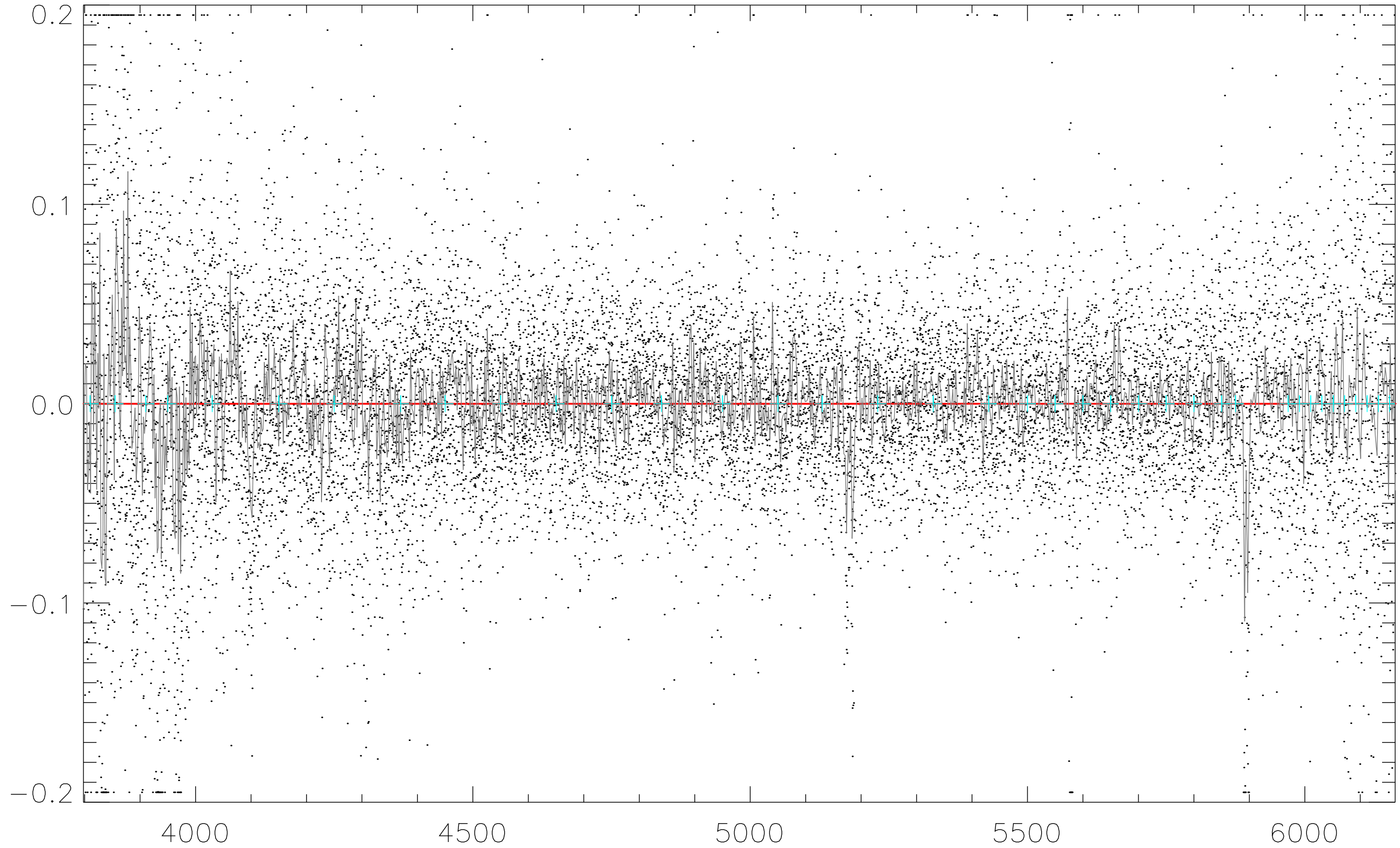
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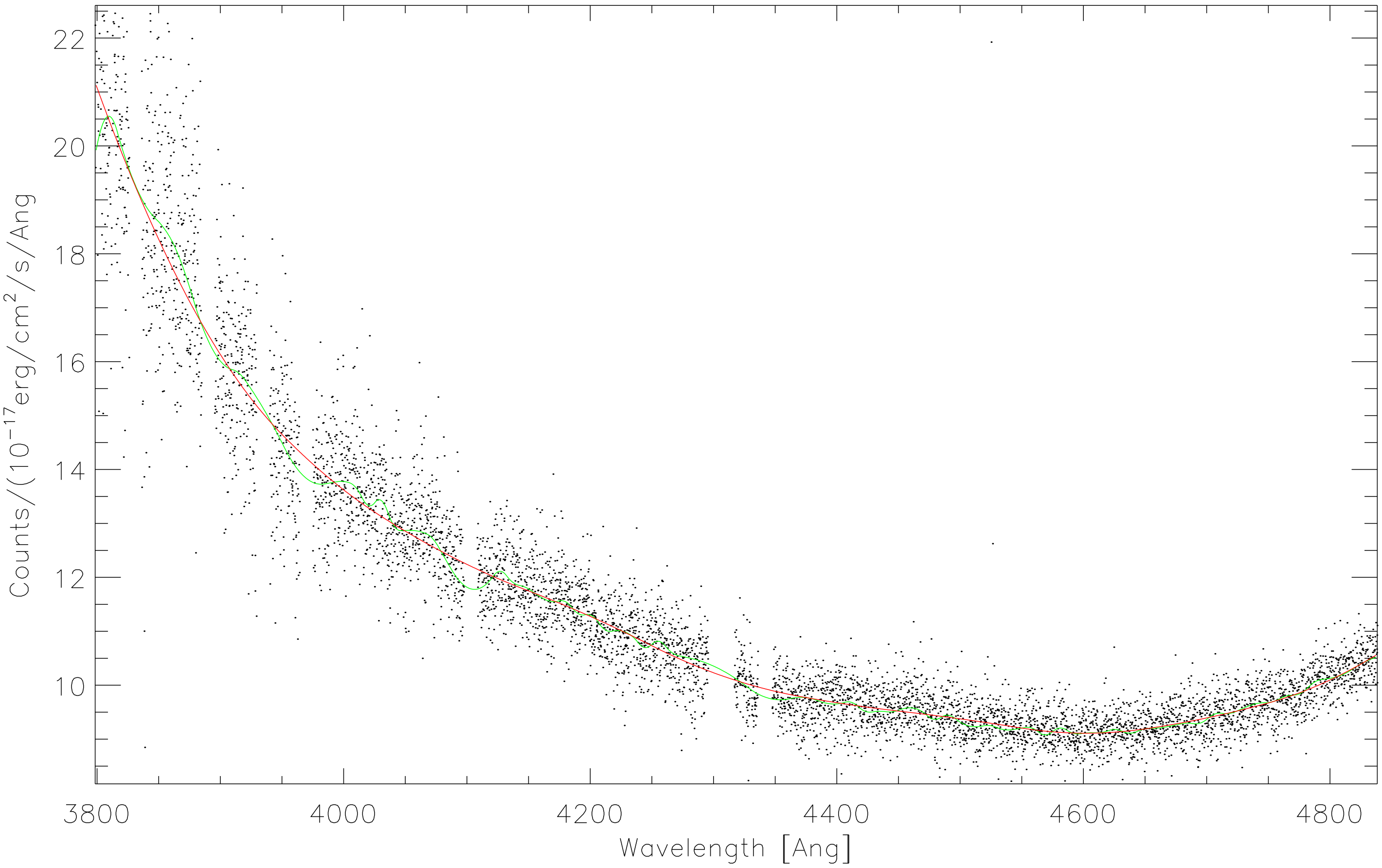
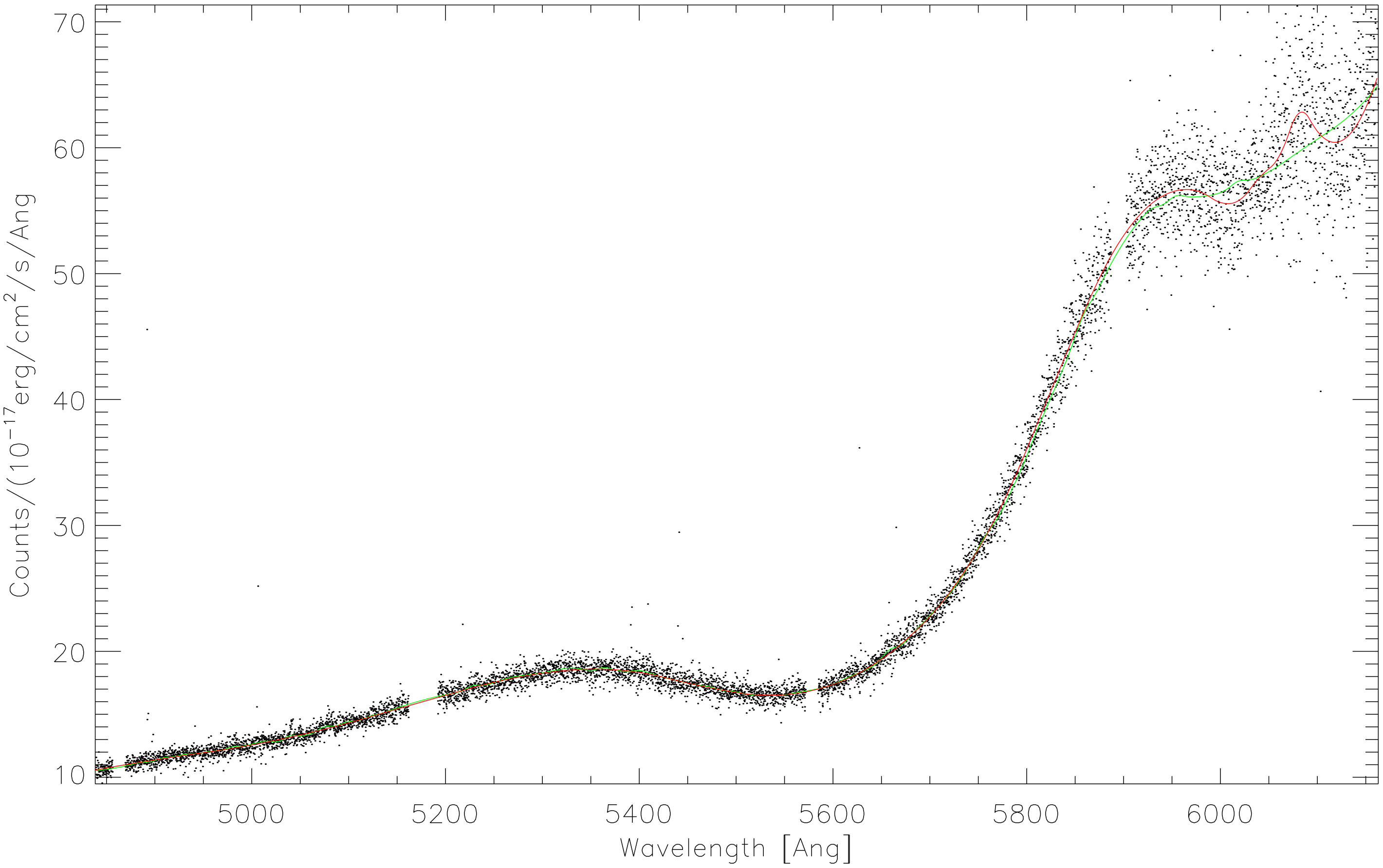
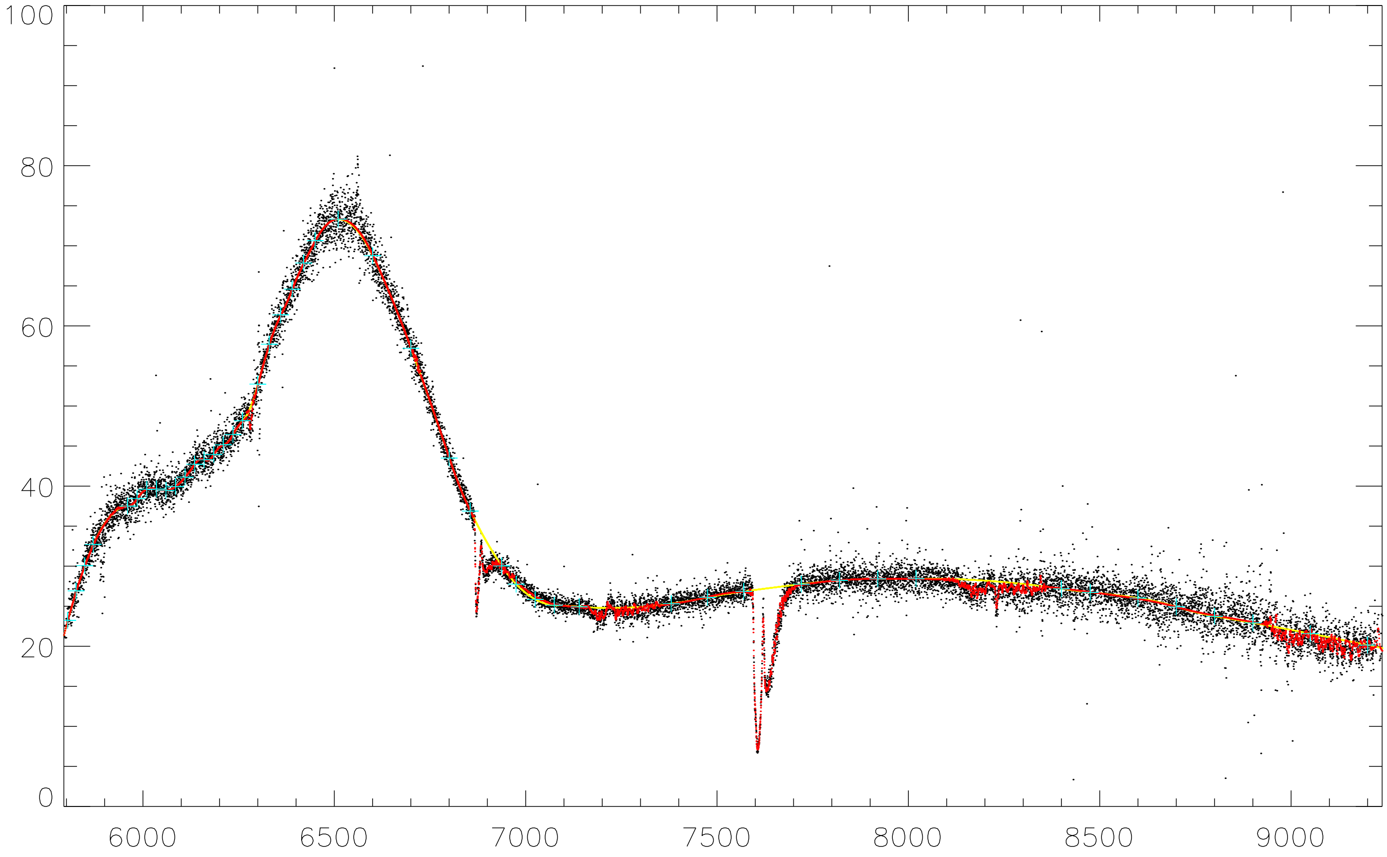
PLATE=1143 MJD=52579 Spectro−Photo Calib for b2−00016741



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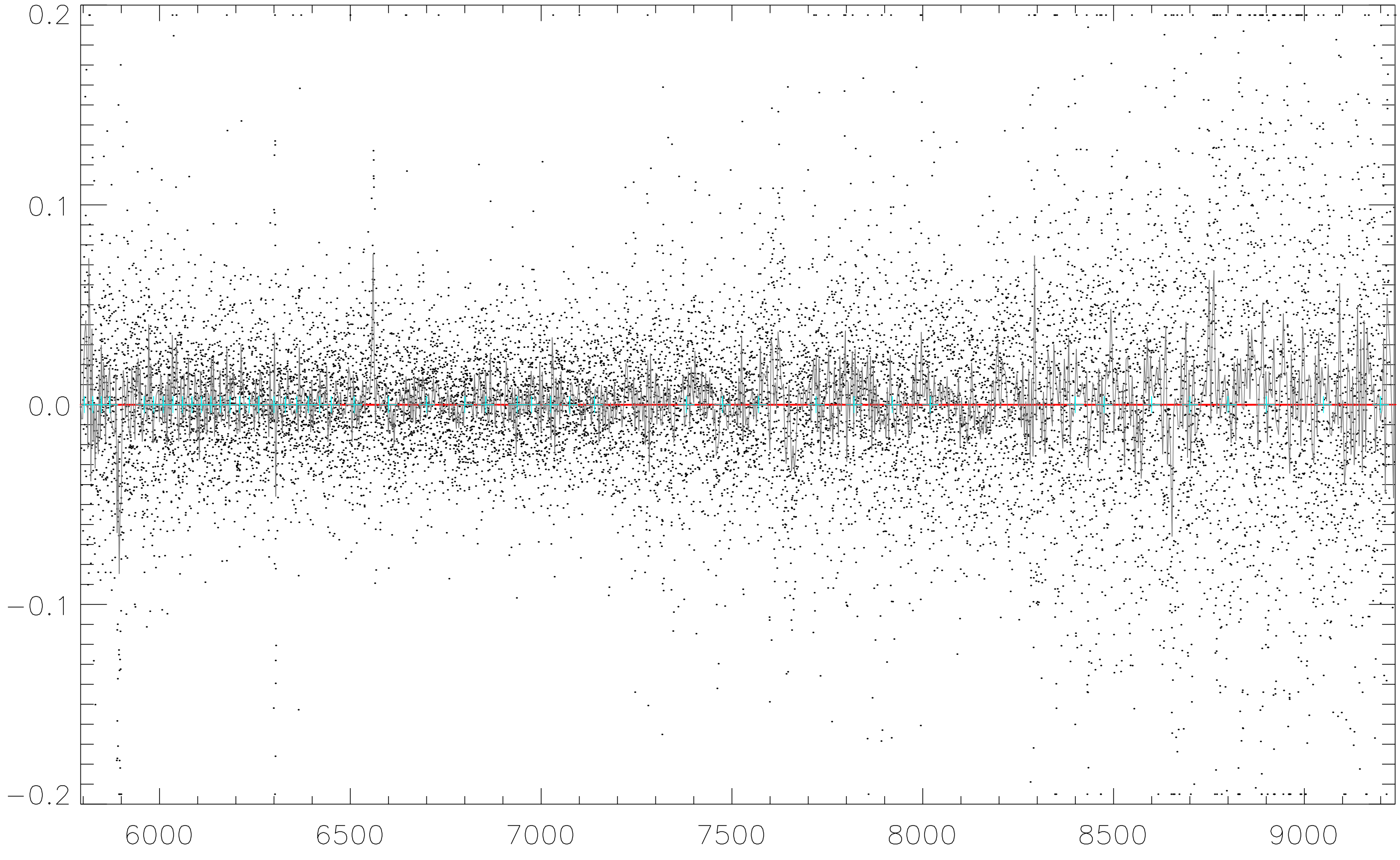
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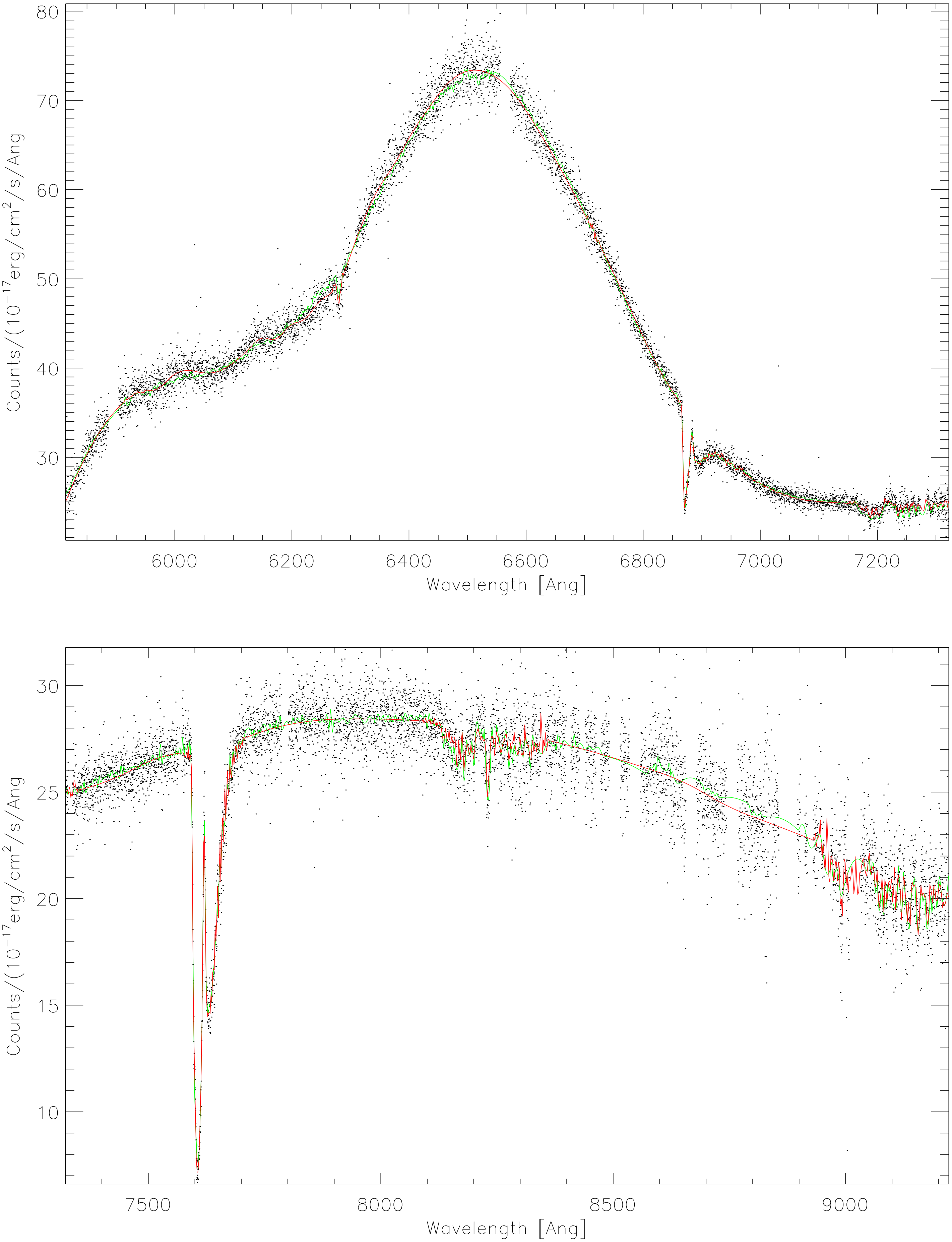

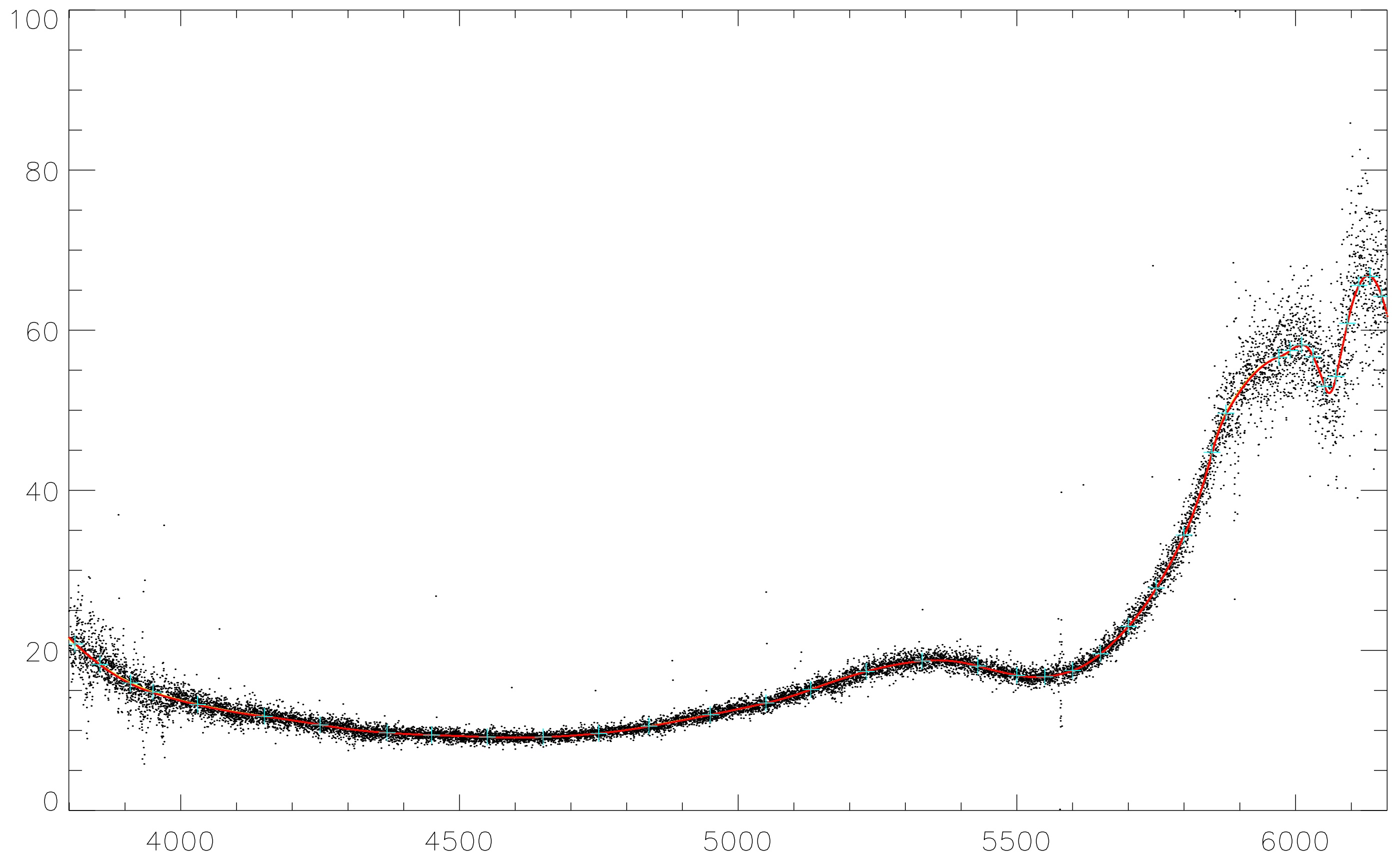
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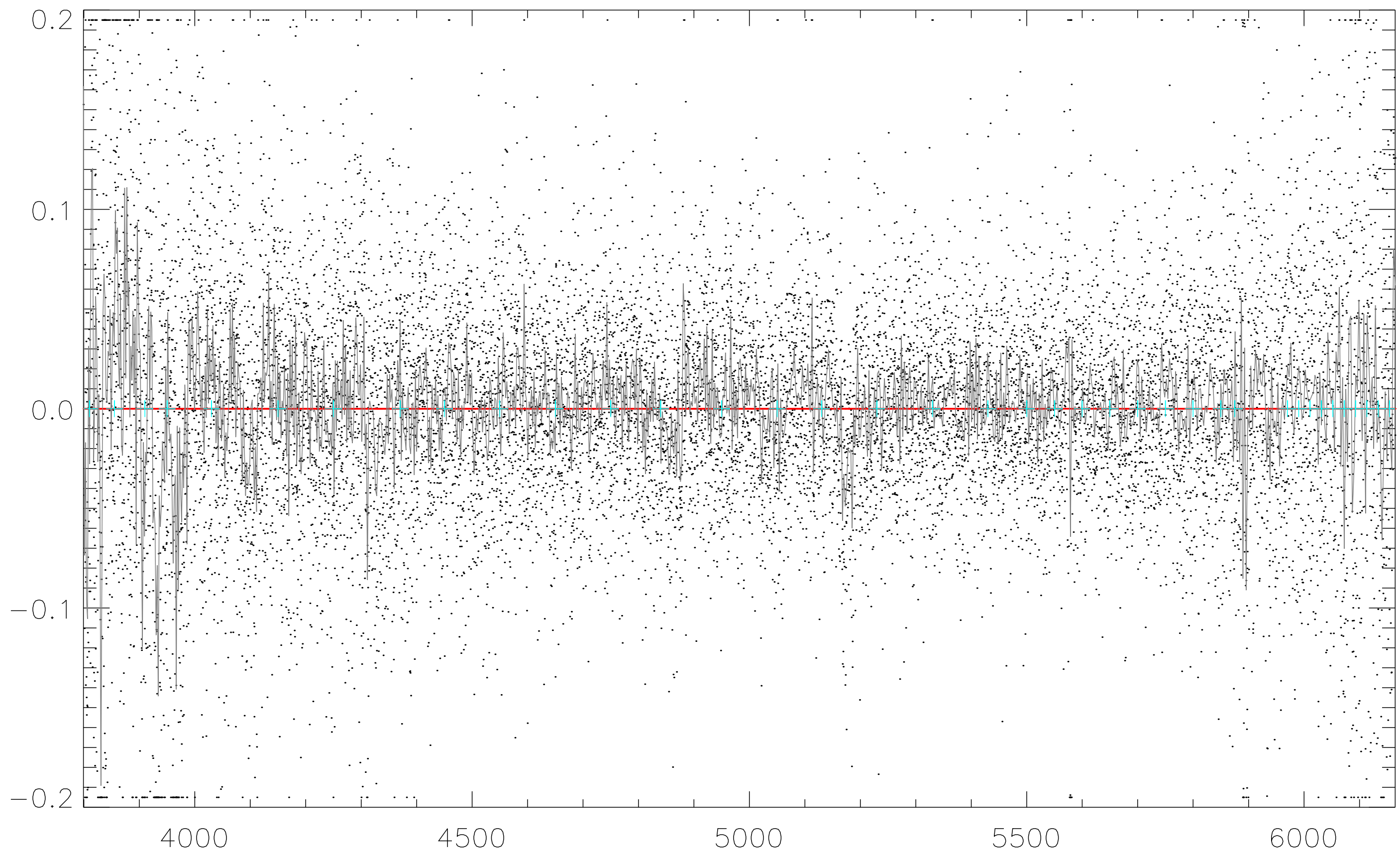
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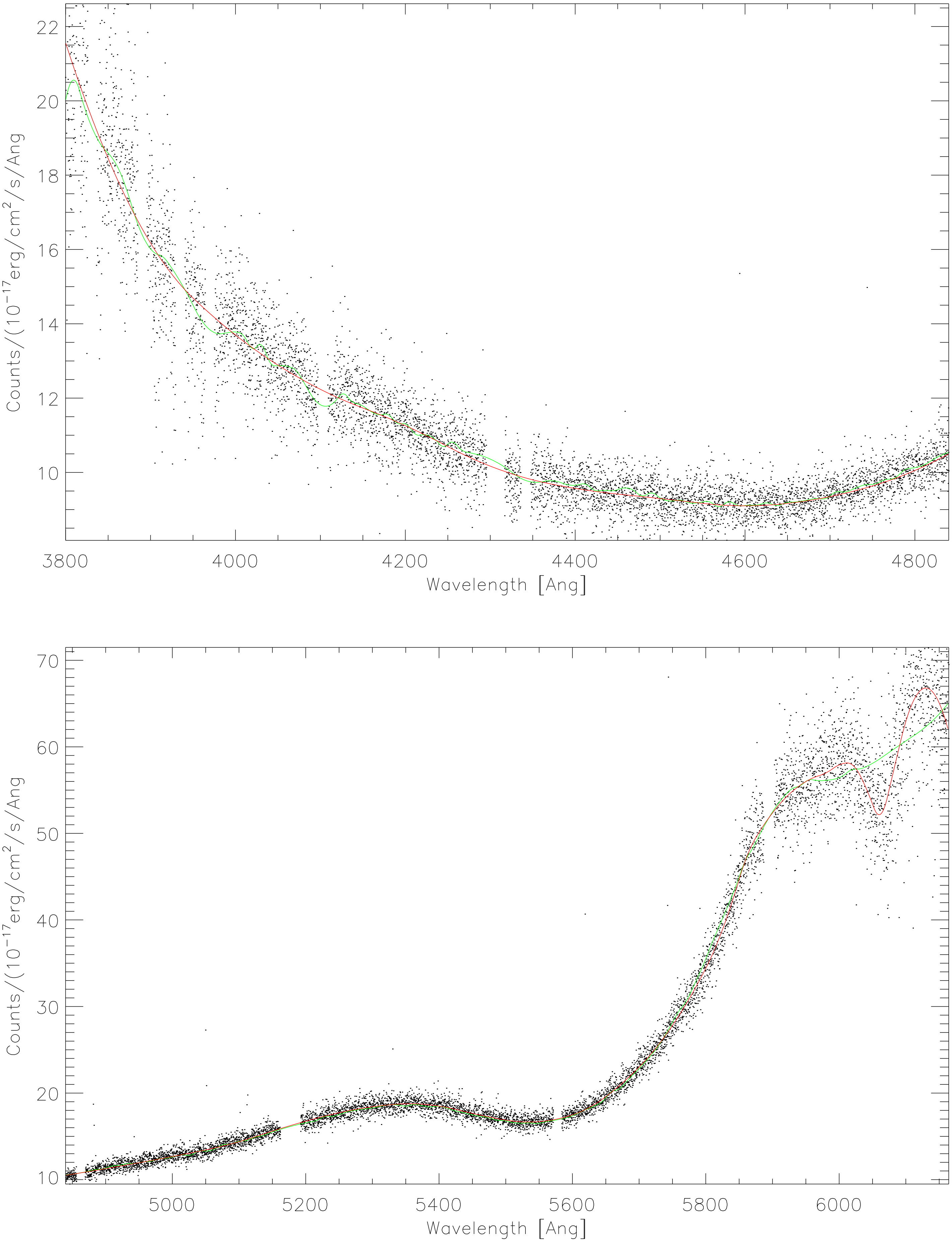
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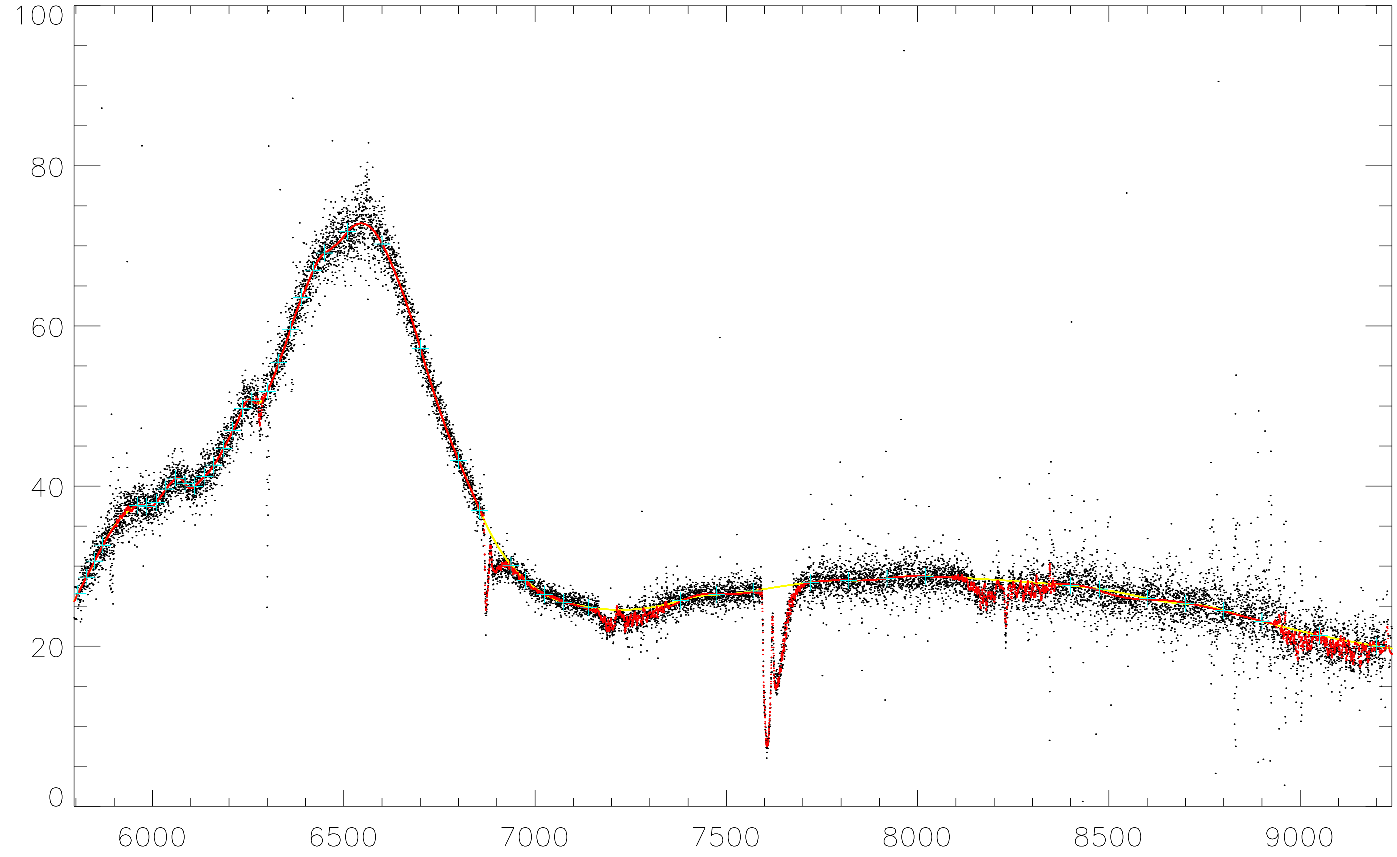
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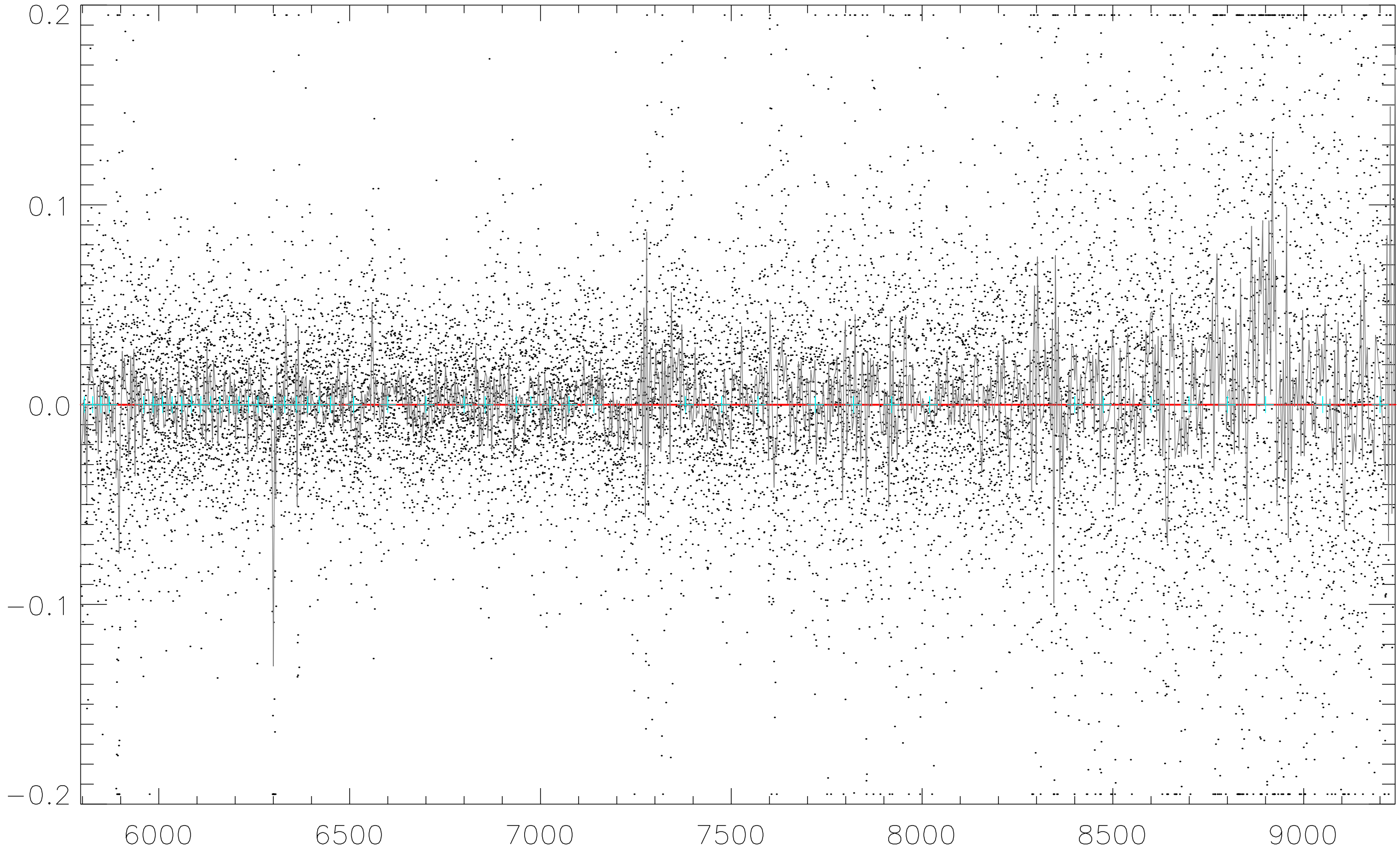
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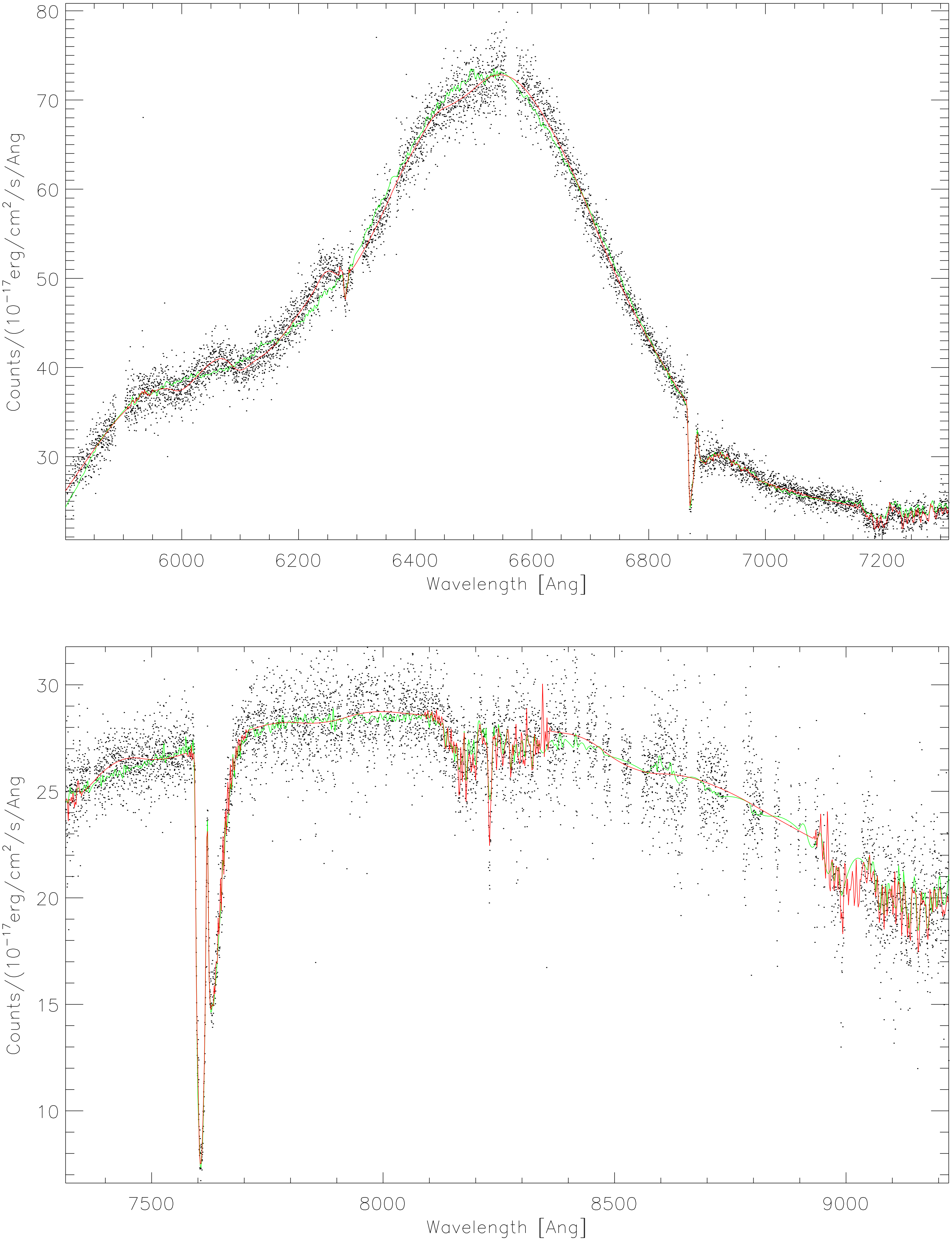

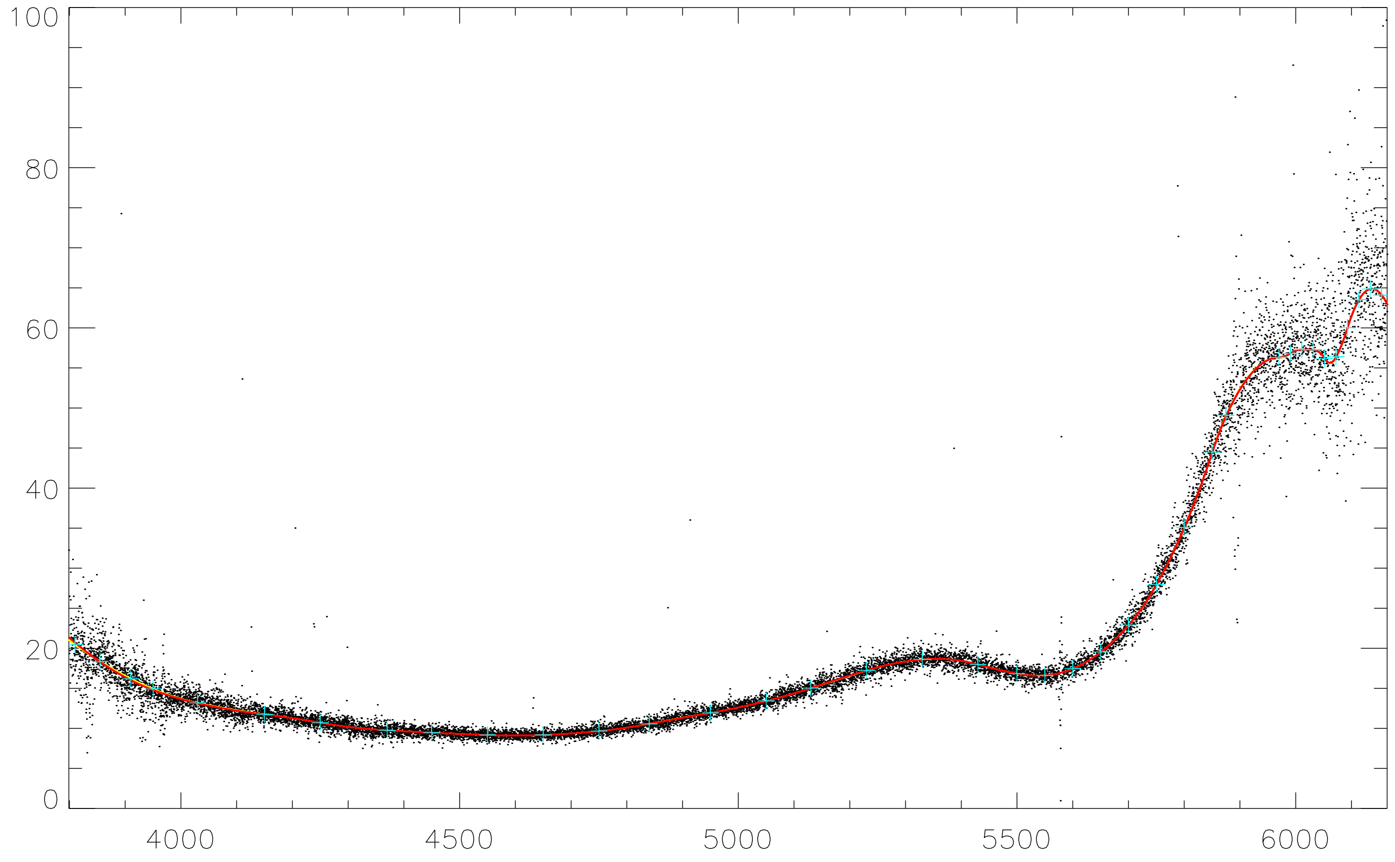
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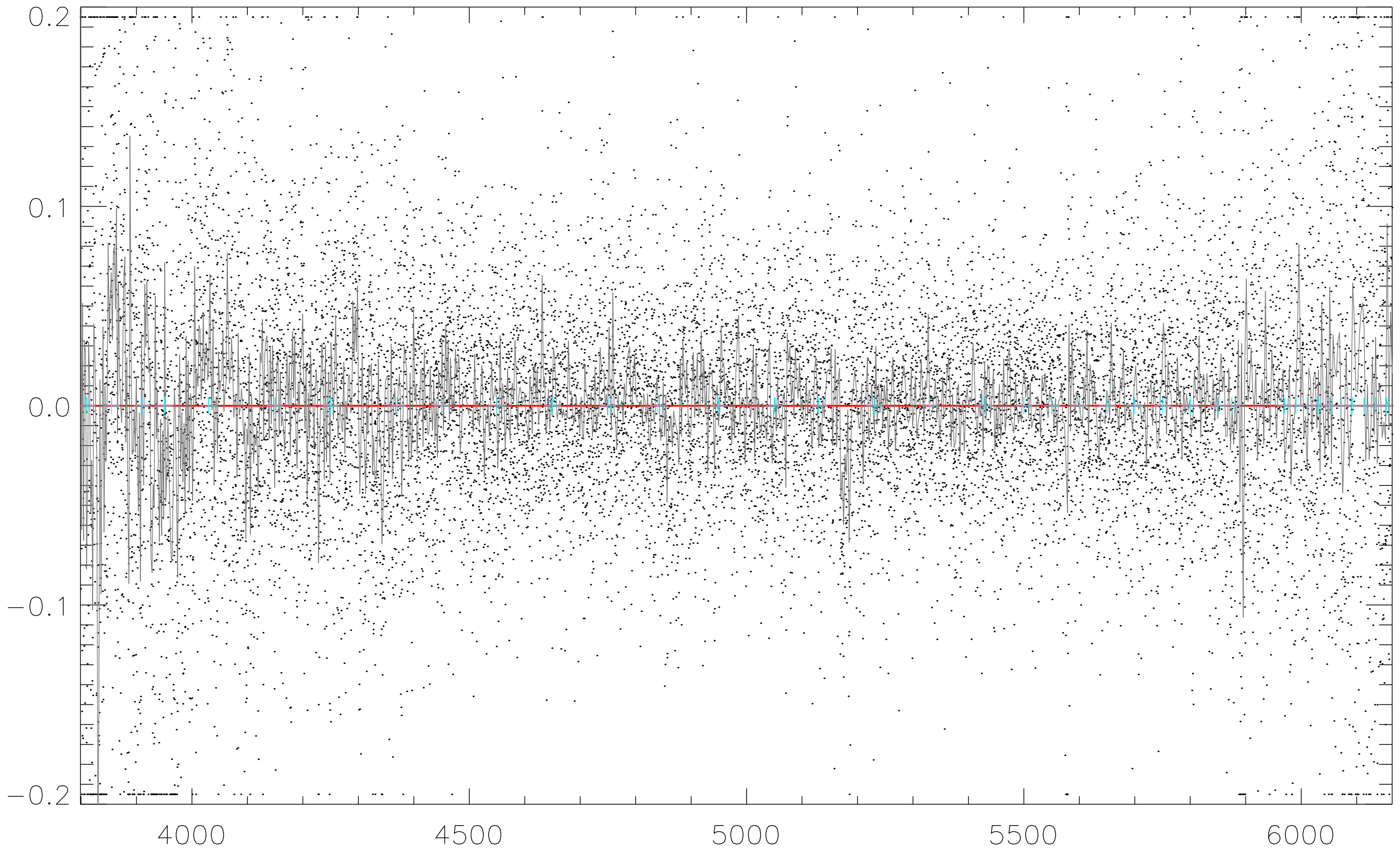
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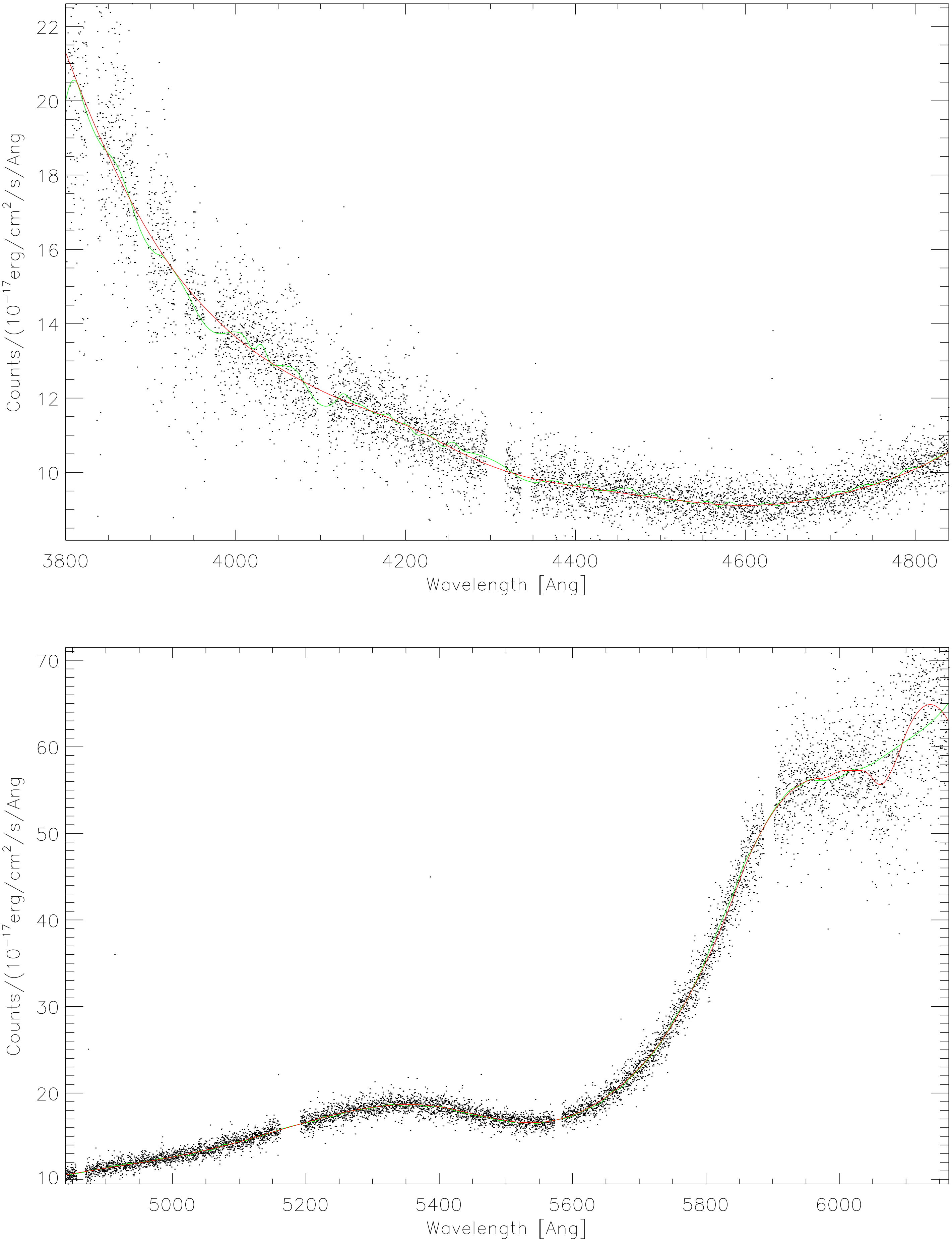

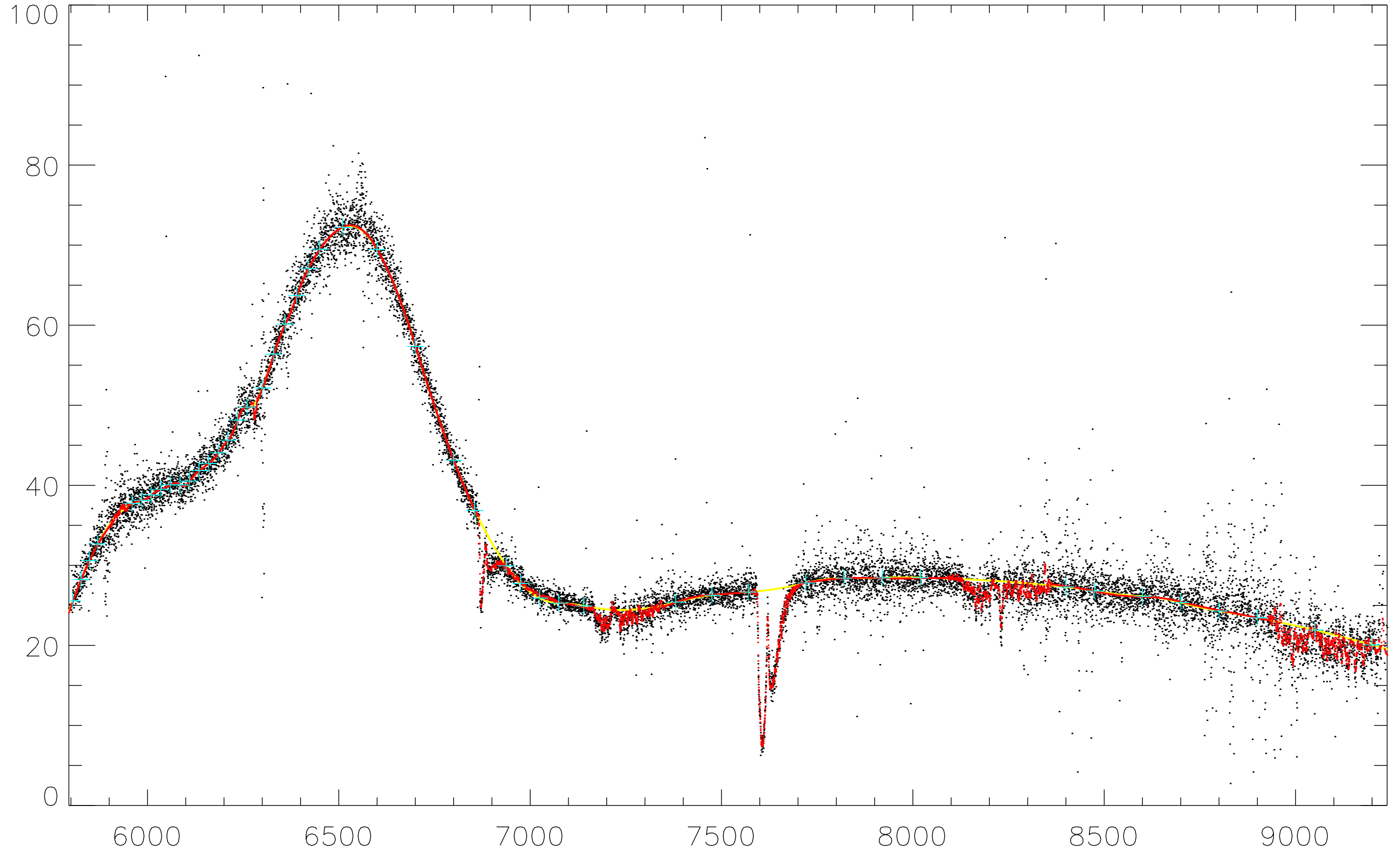
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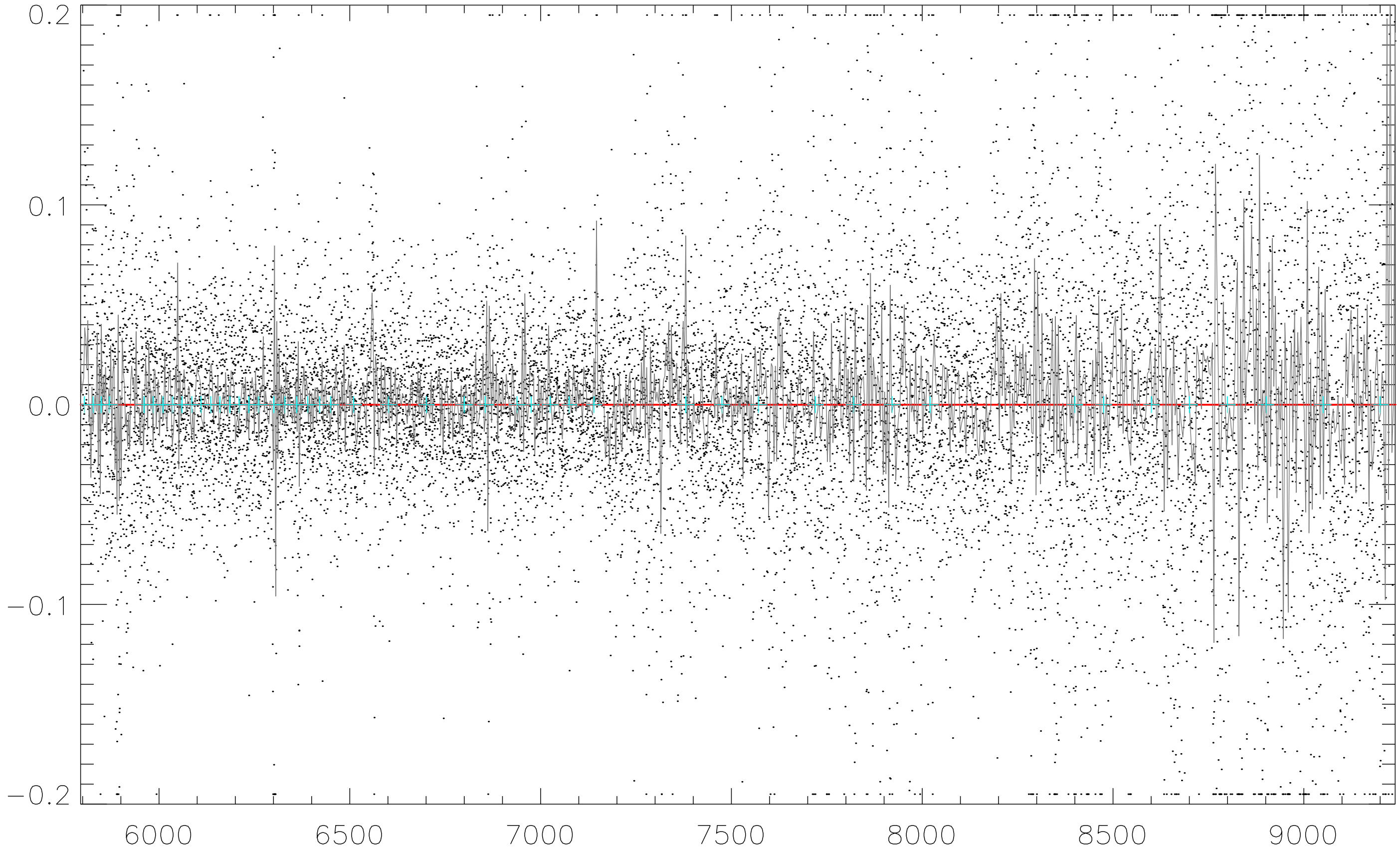
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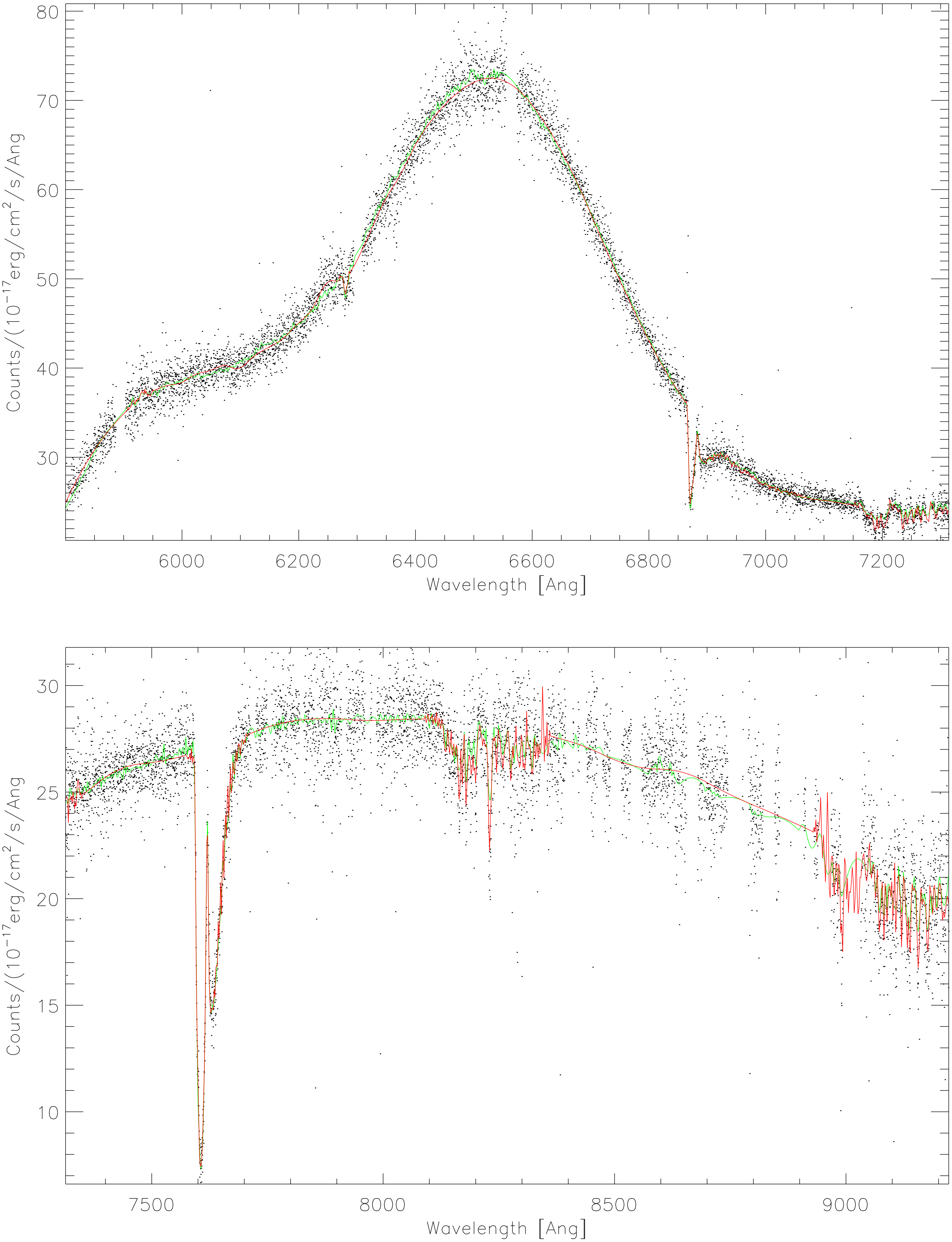

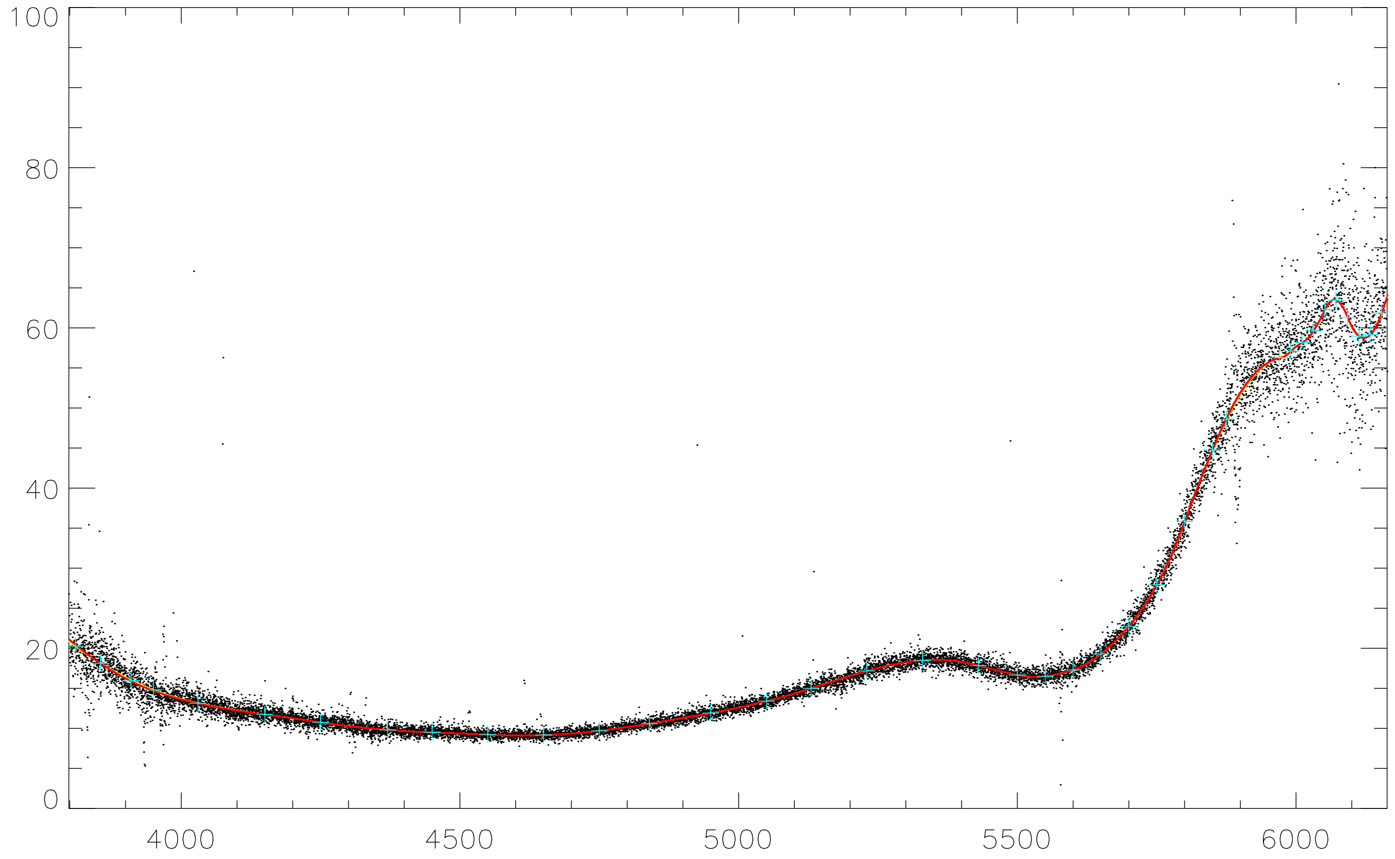
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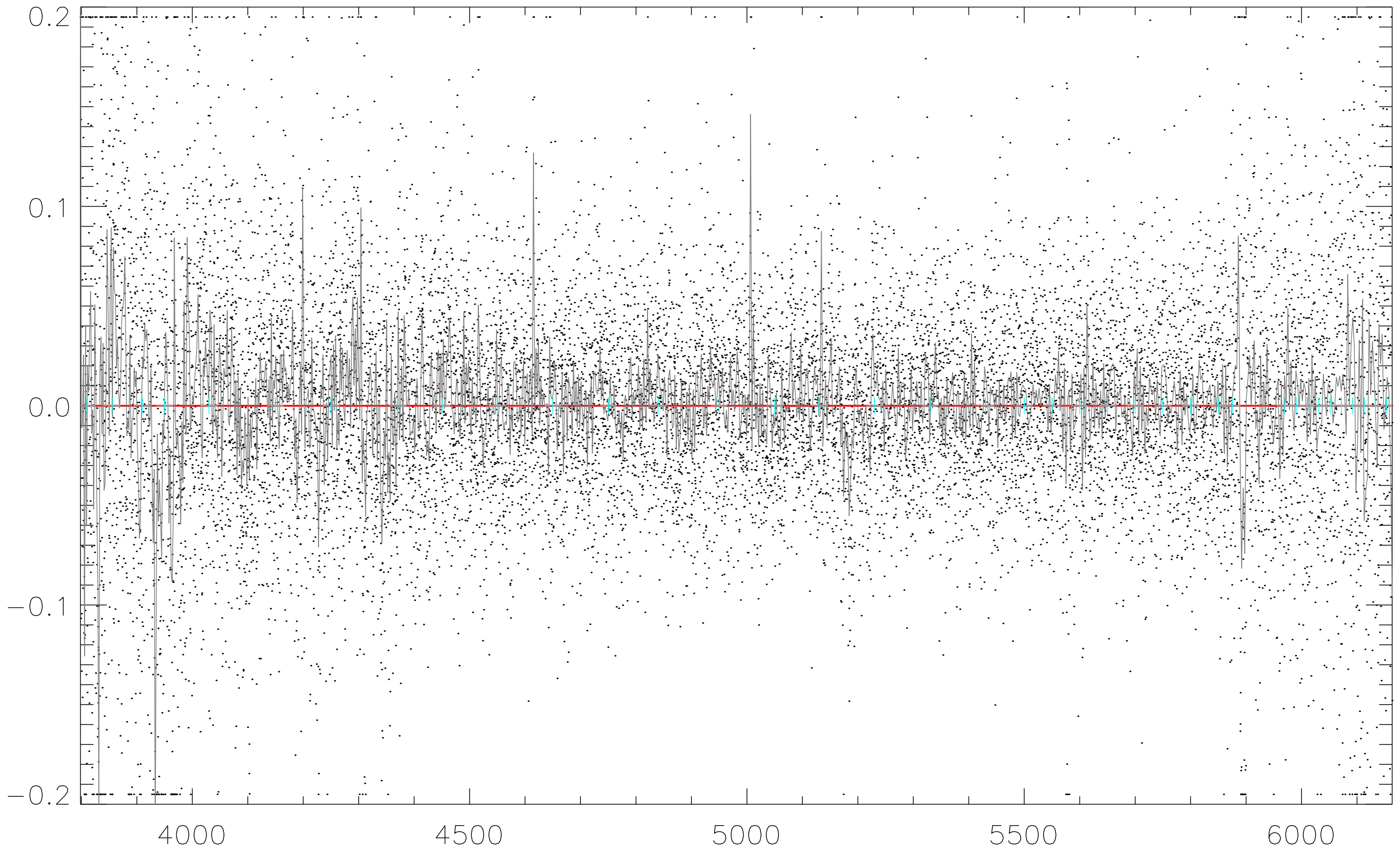
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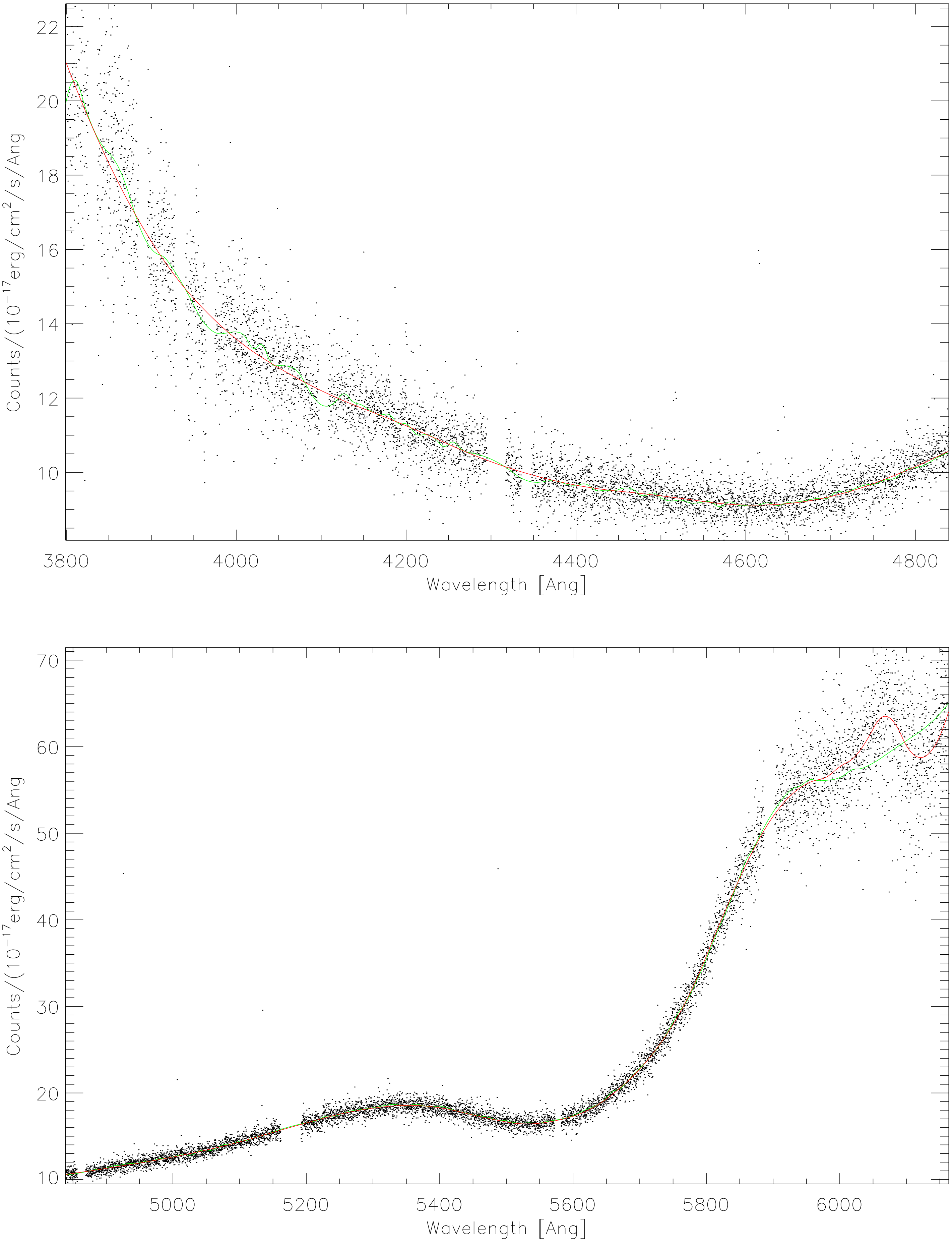

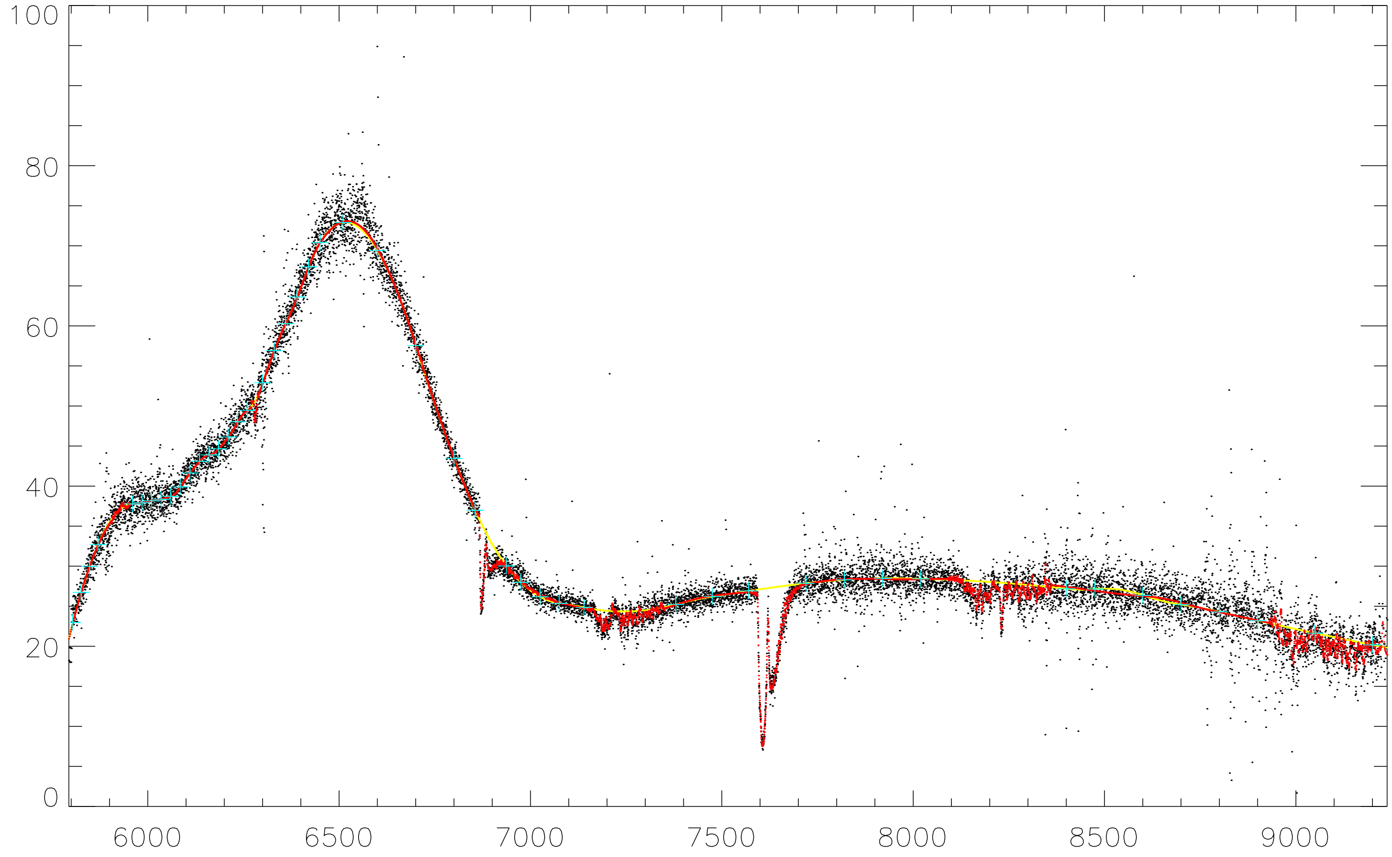
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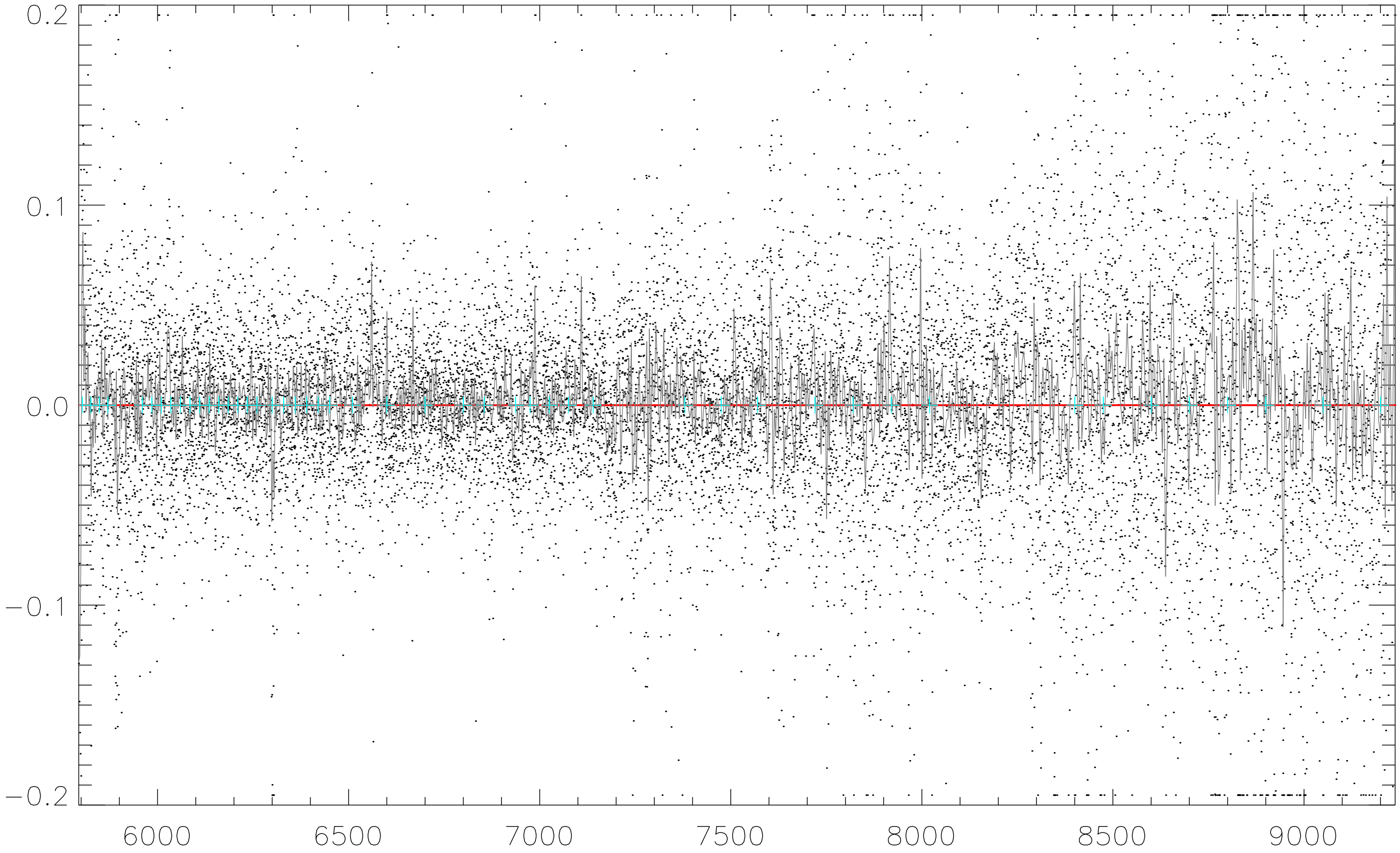
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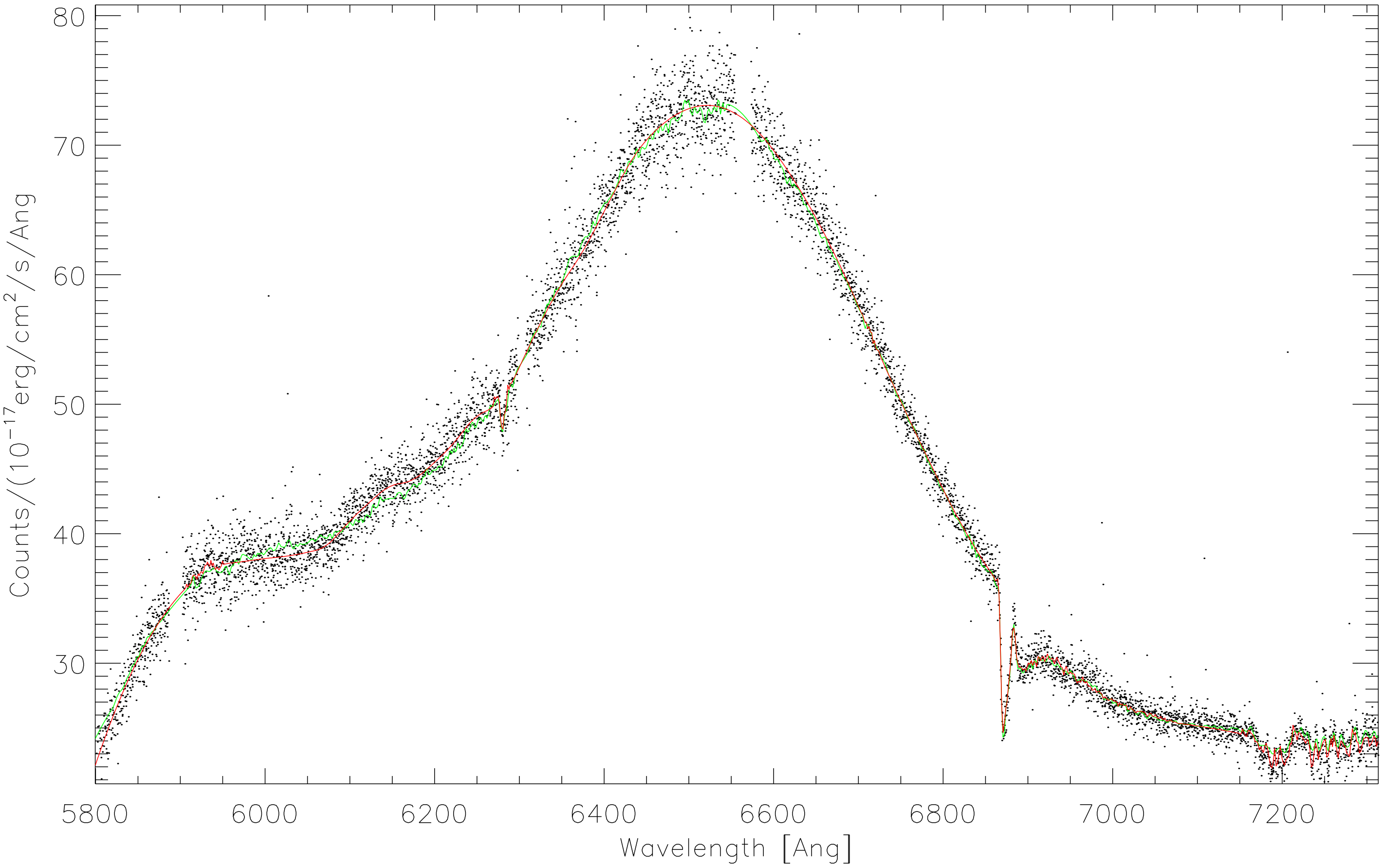

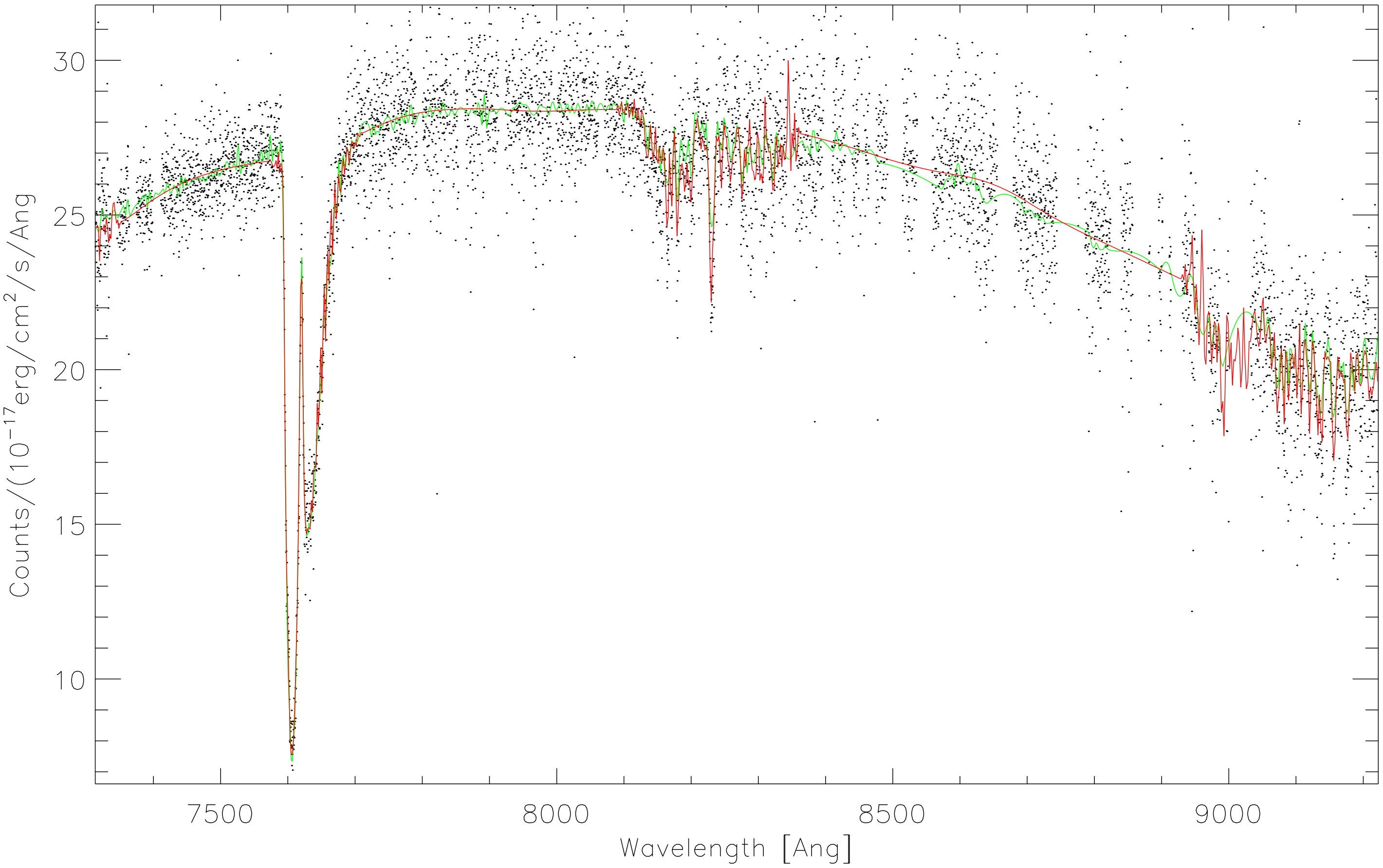

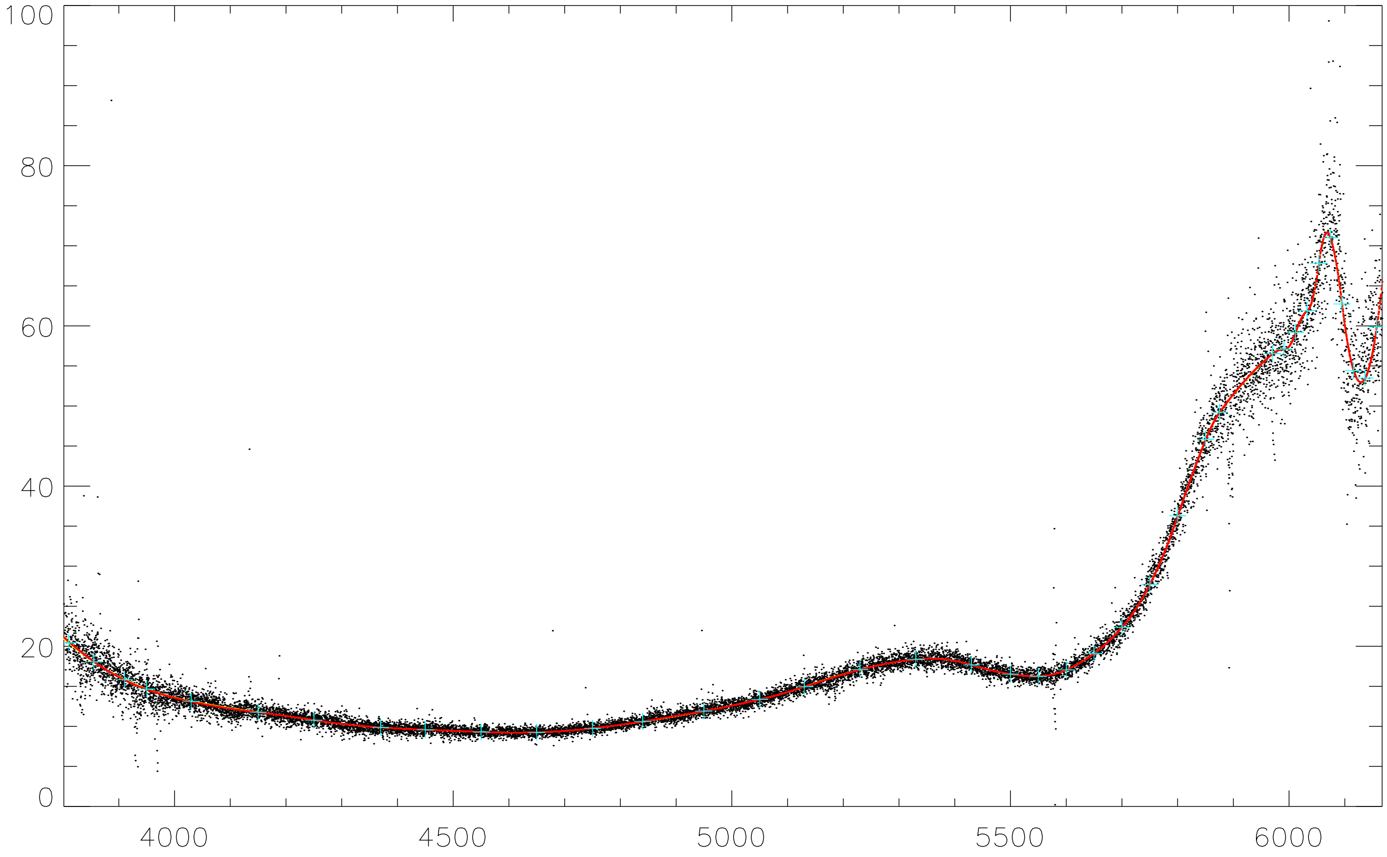
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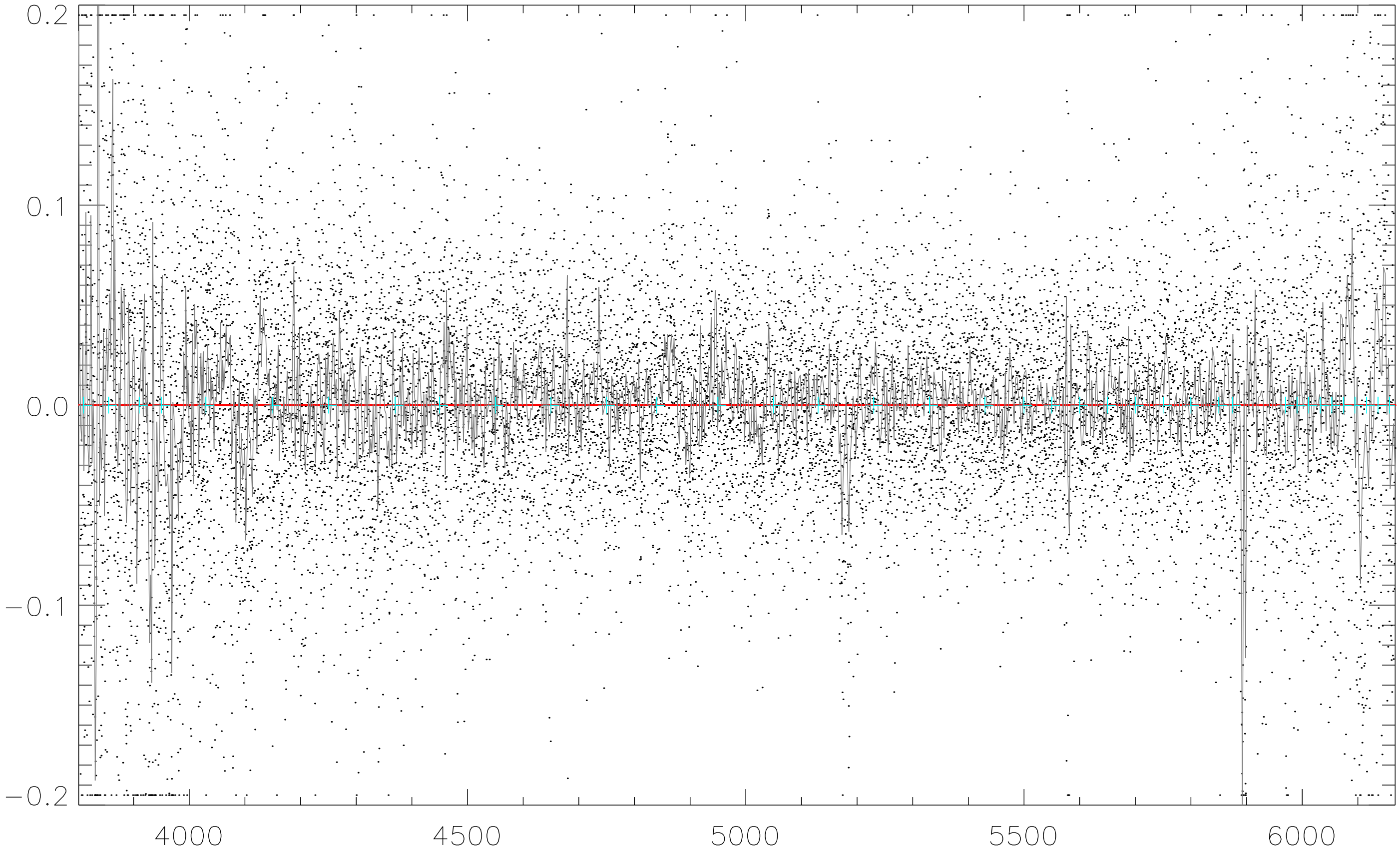
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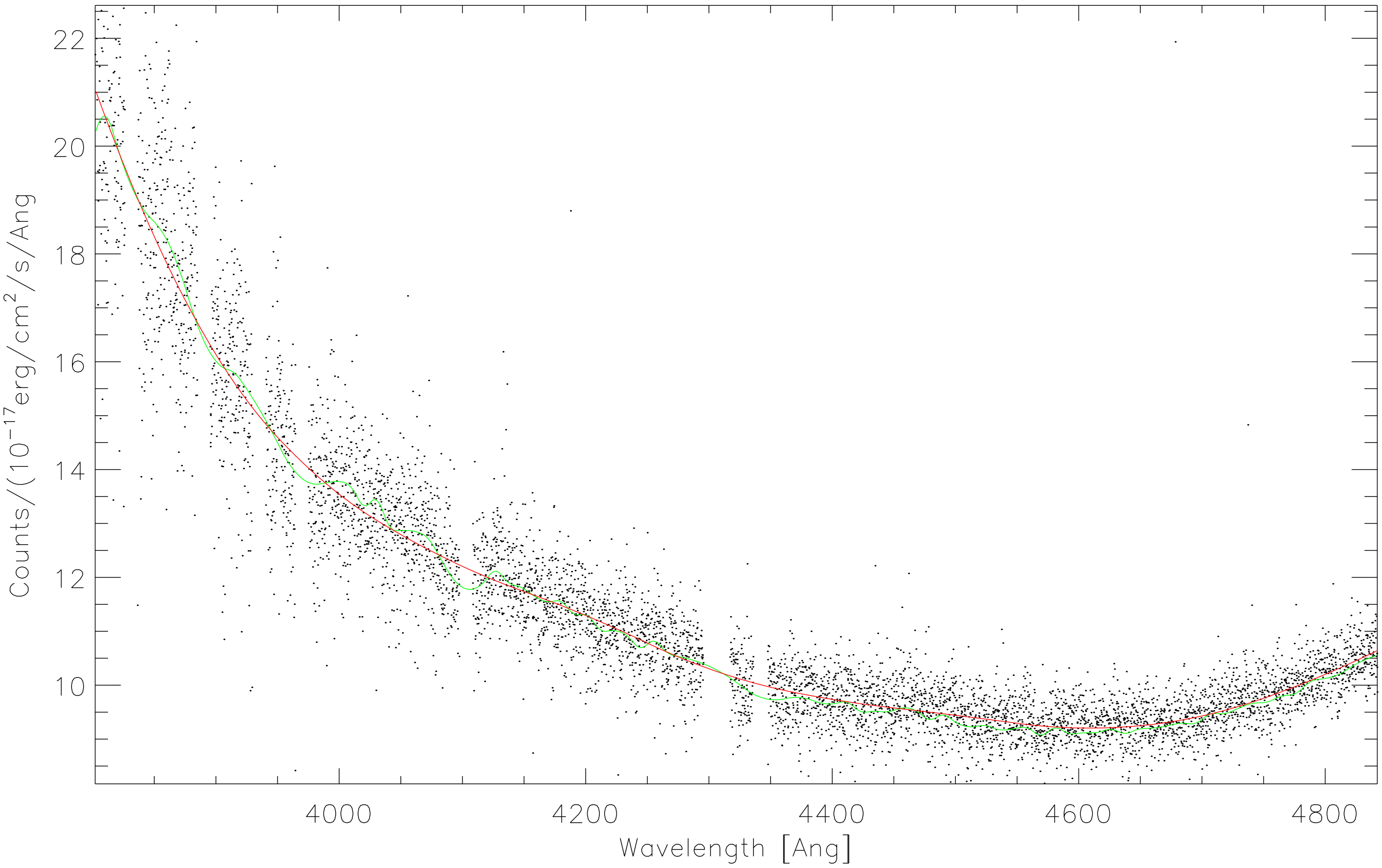
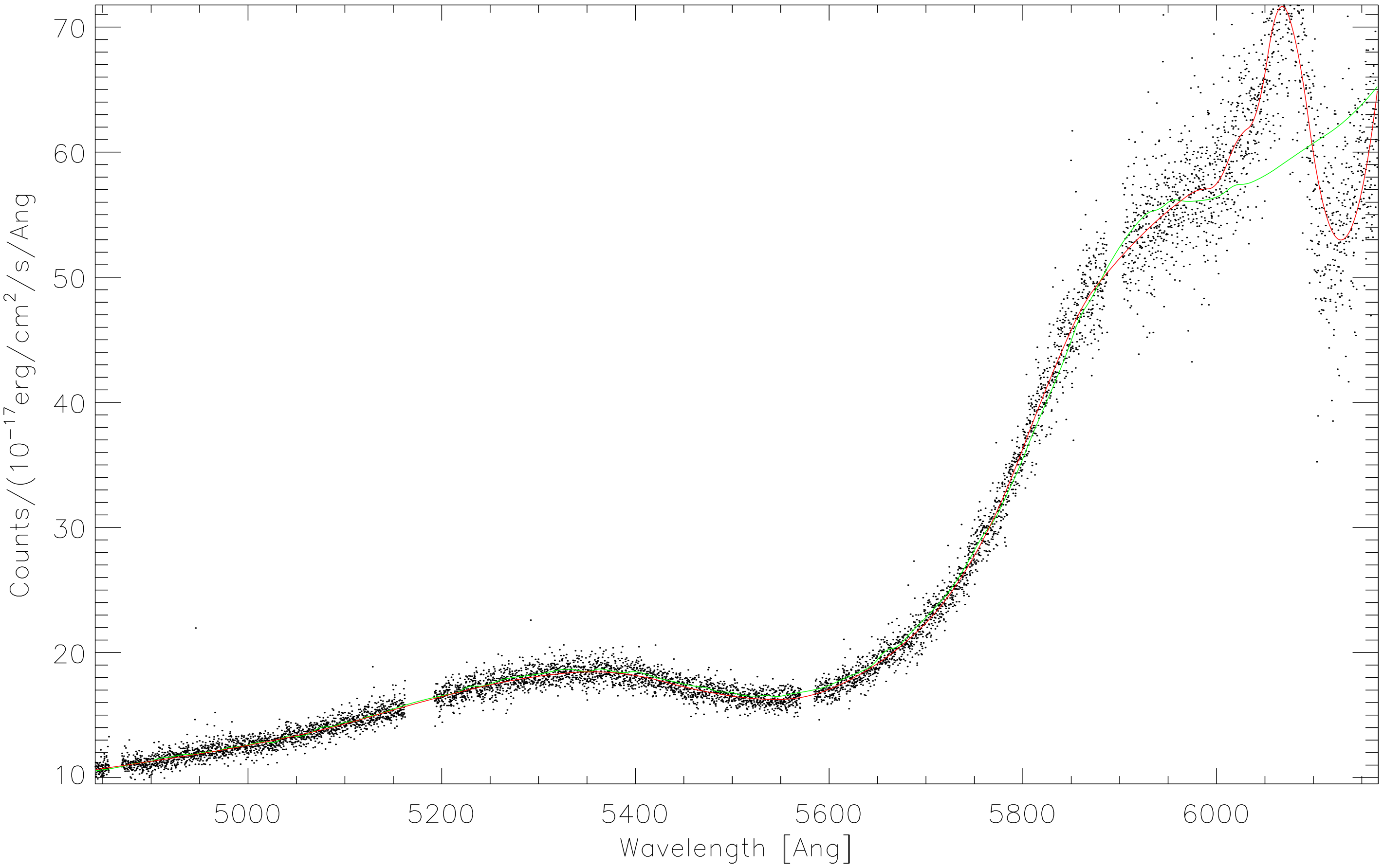
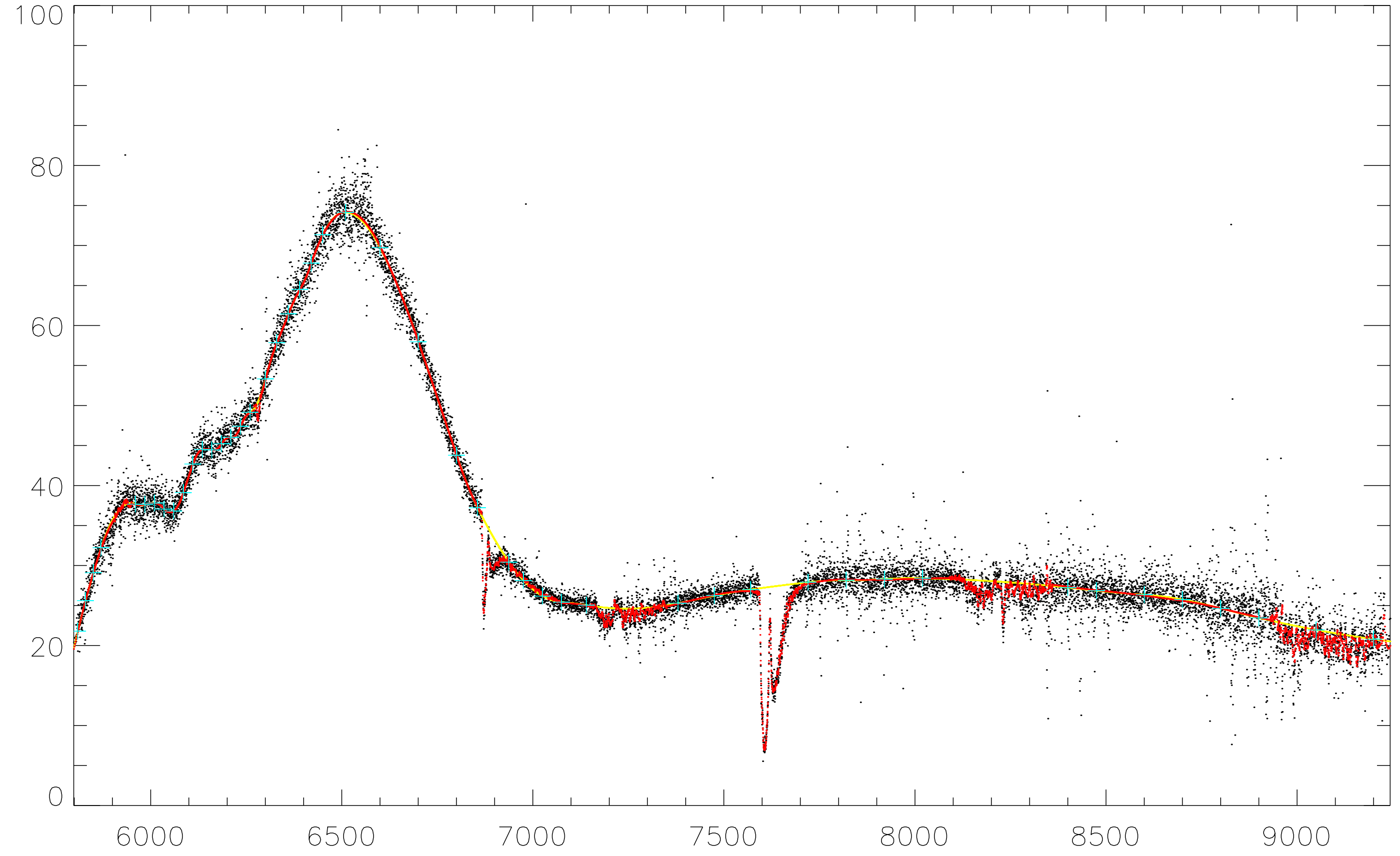
PLATE=1143 MJD=52581 Spectro-Photo Calib for b2-00016768



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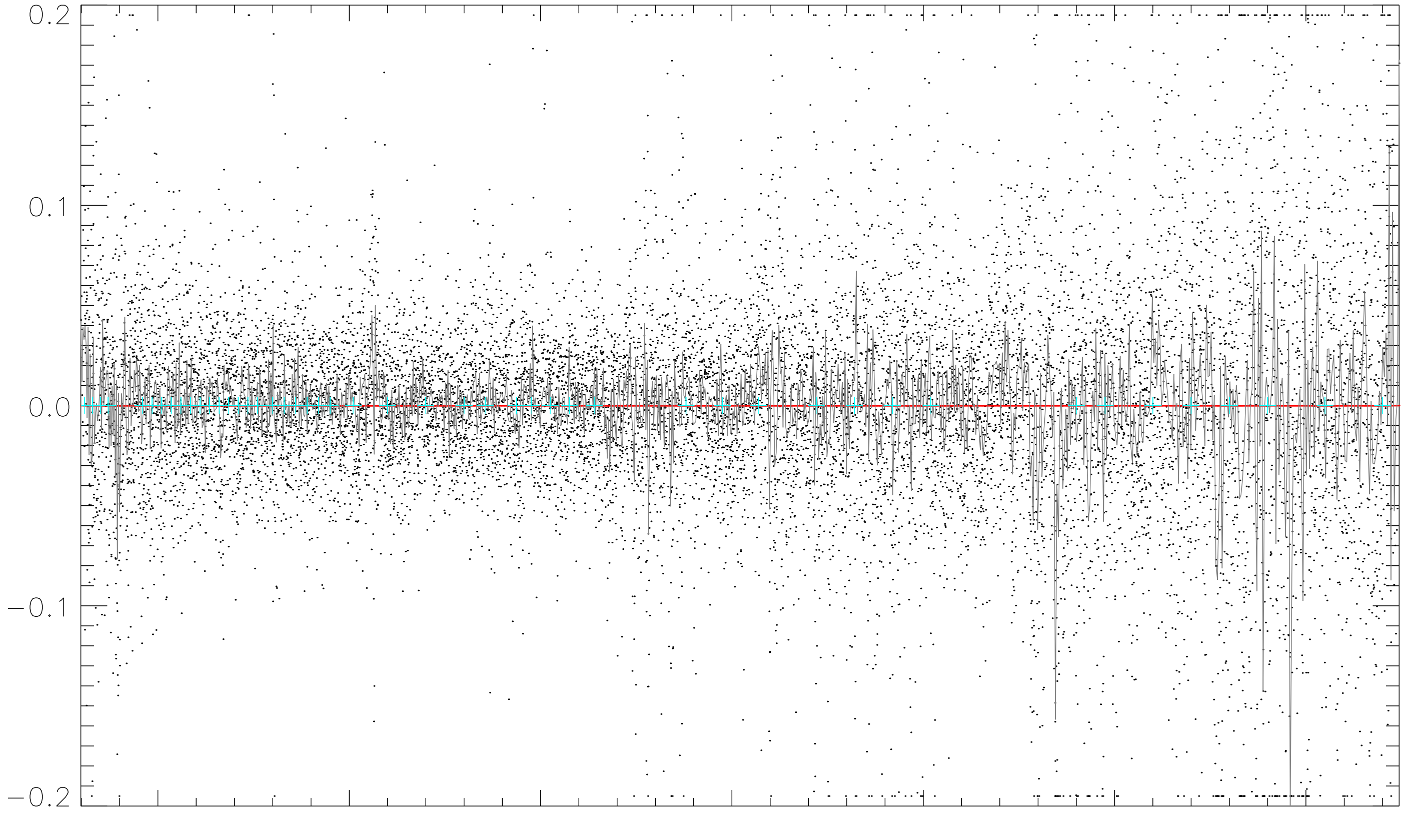
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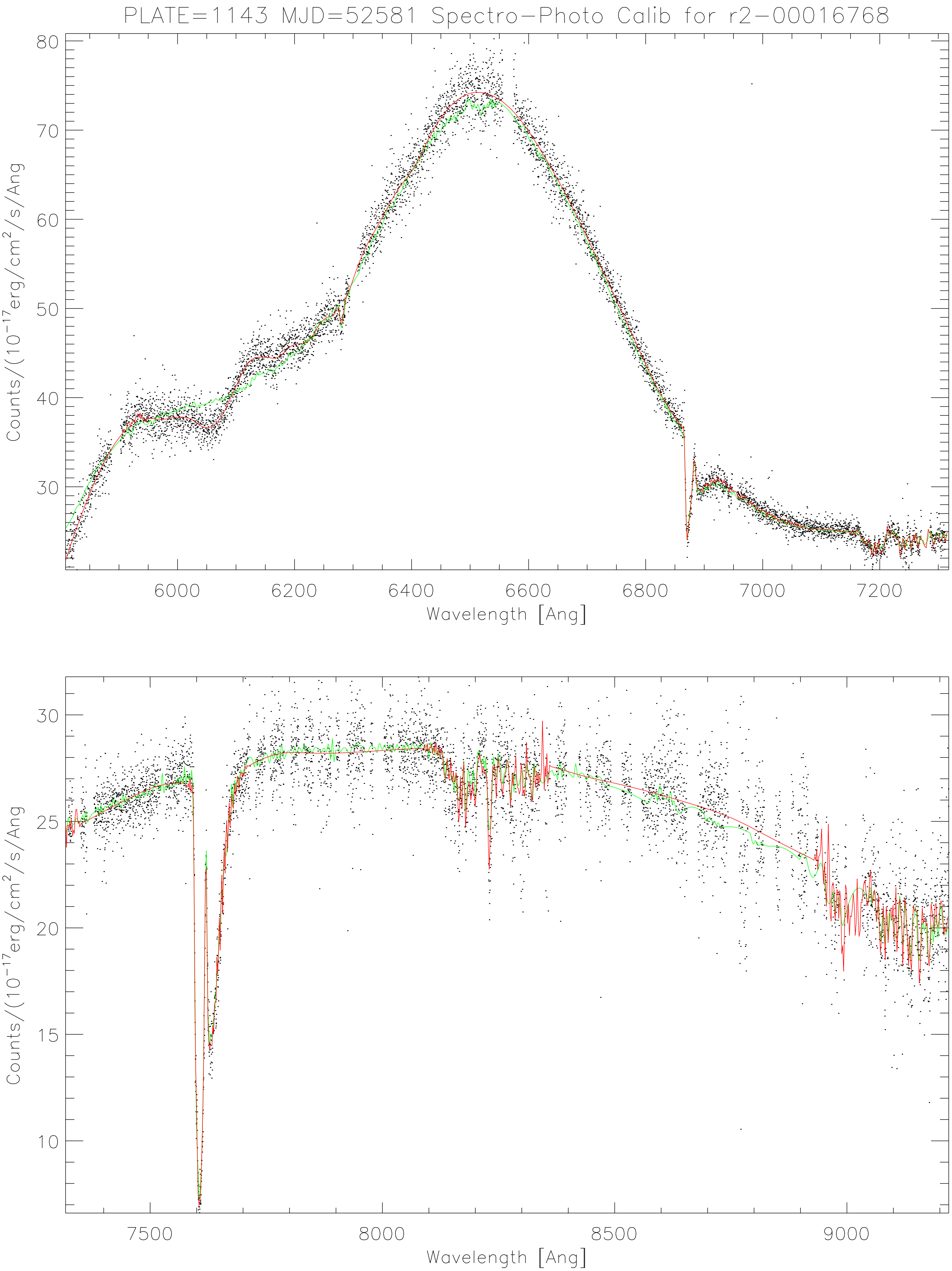
PLATE=1143 MJD=52581 Spectro−Photo Calib for r2−00016768
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6800
7000
7200
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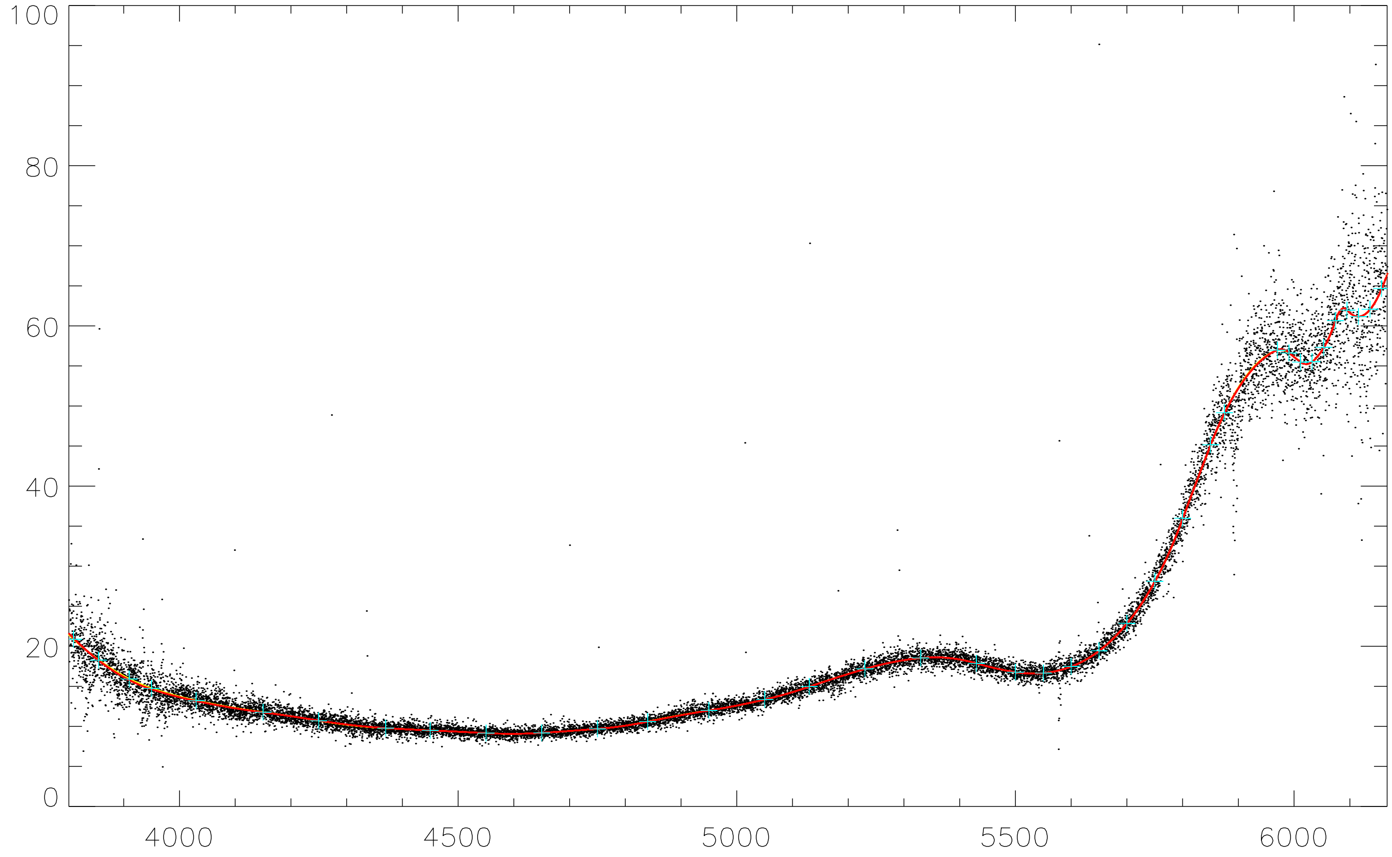
Wavelength [Ang]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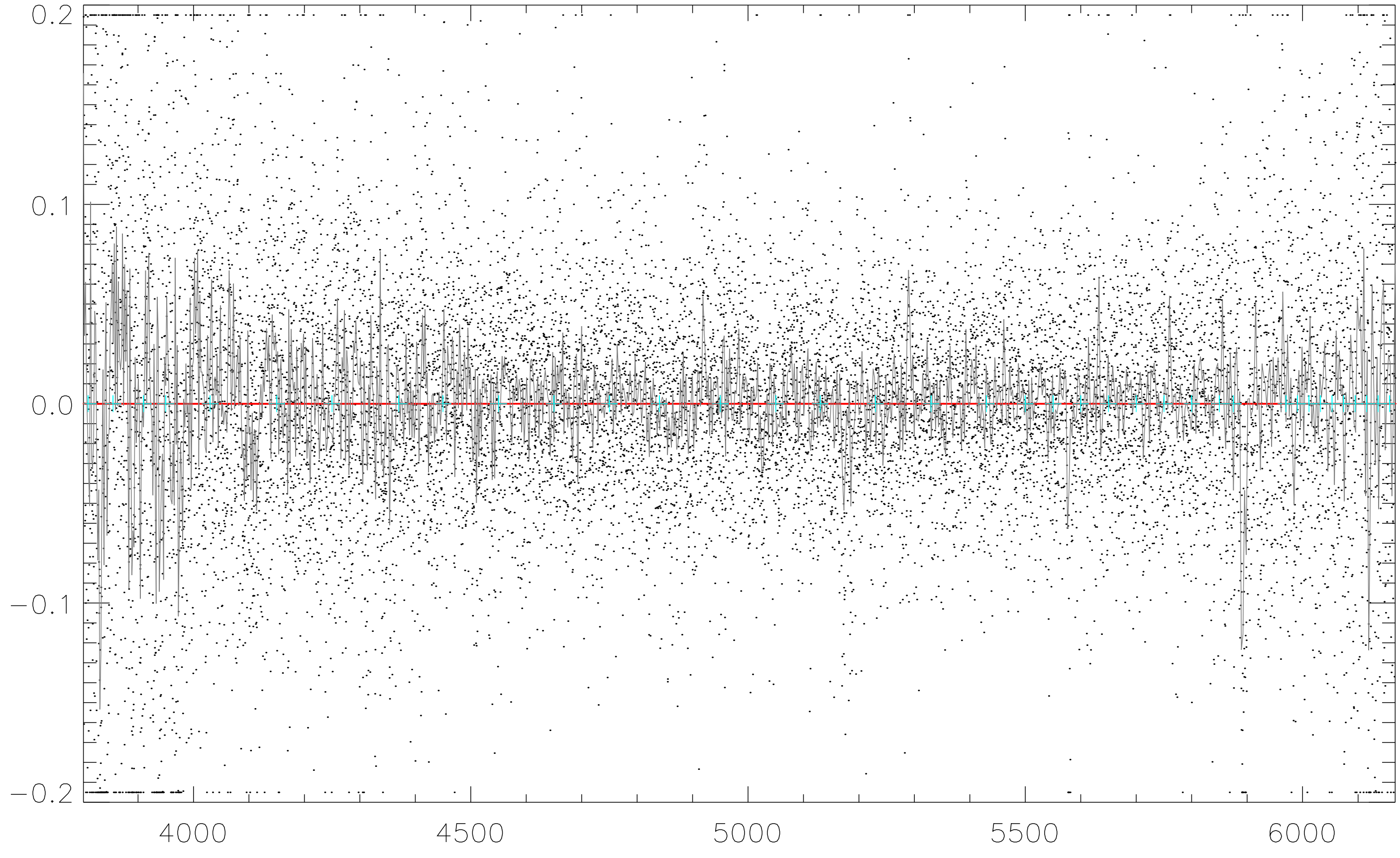
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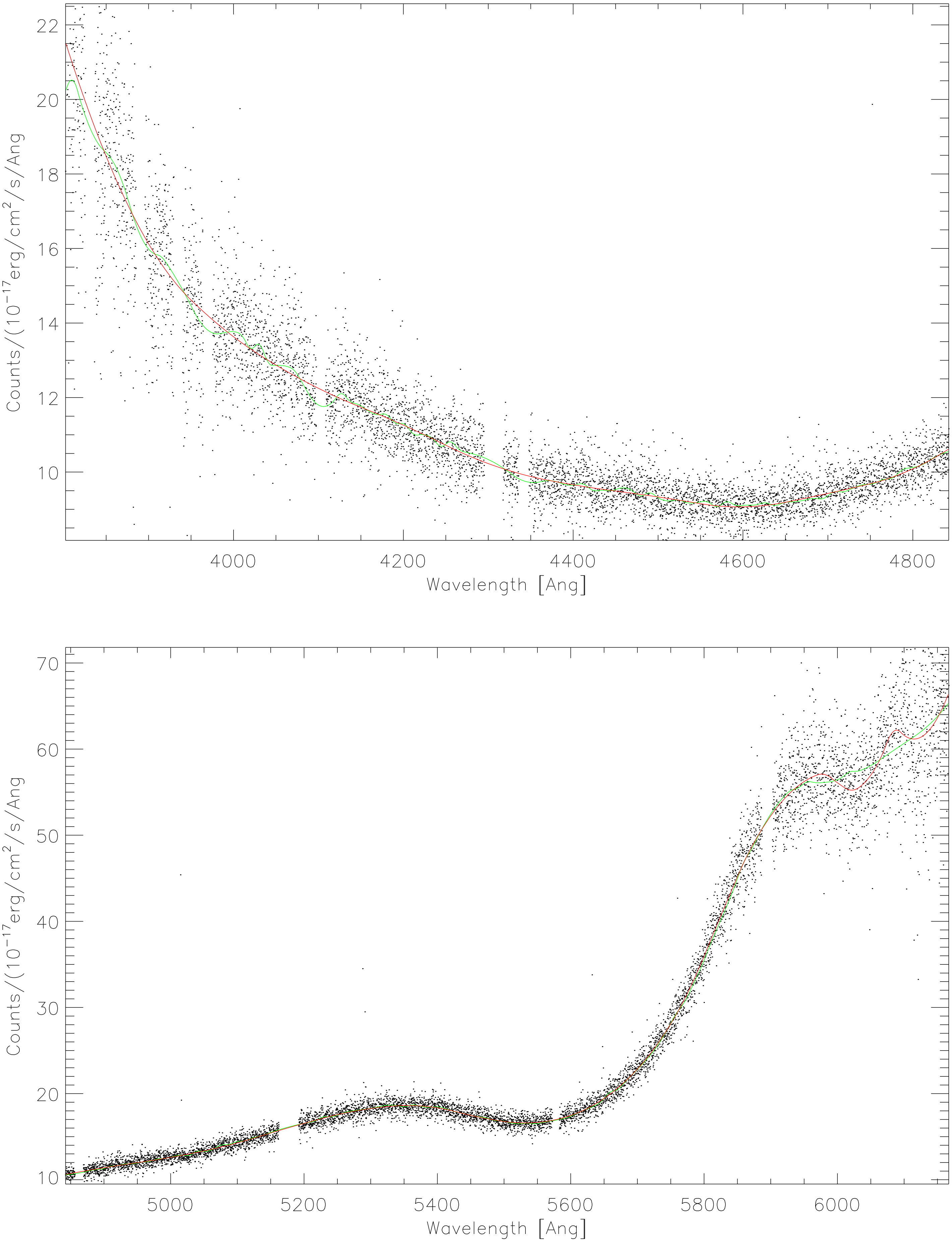
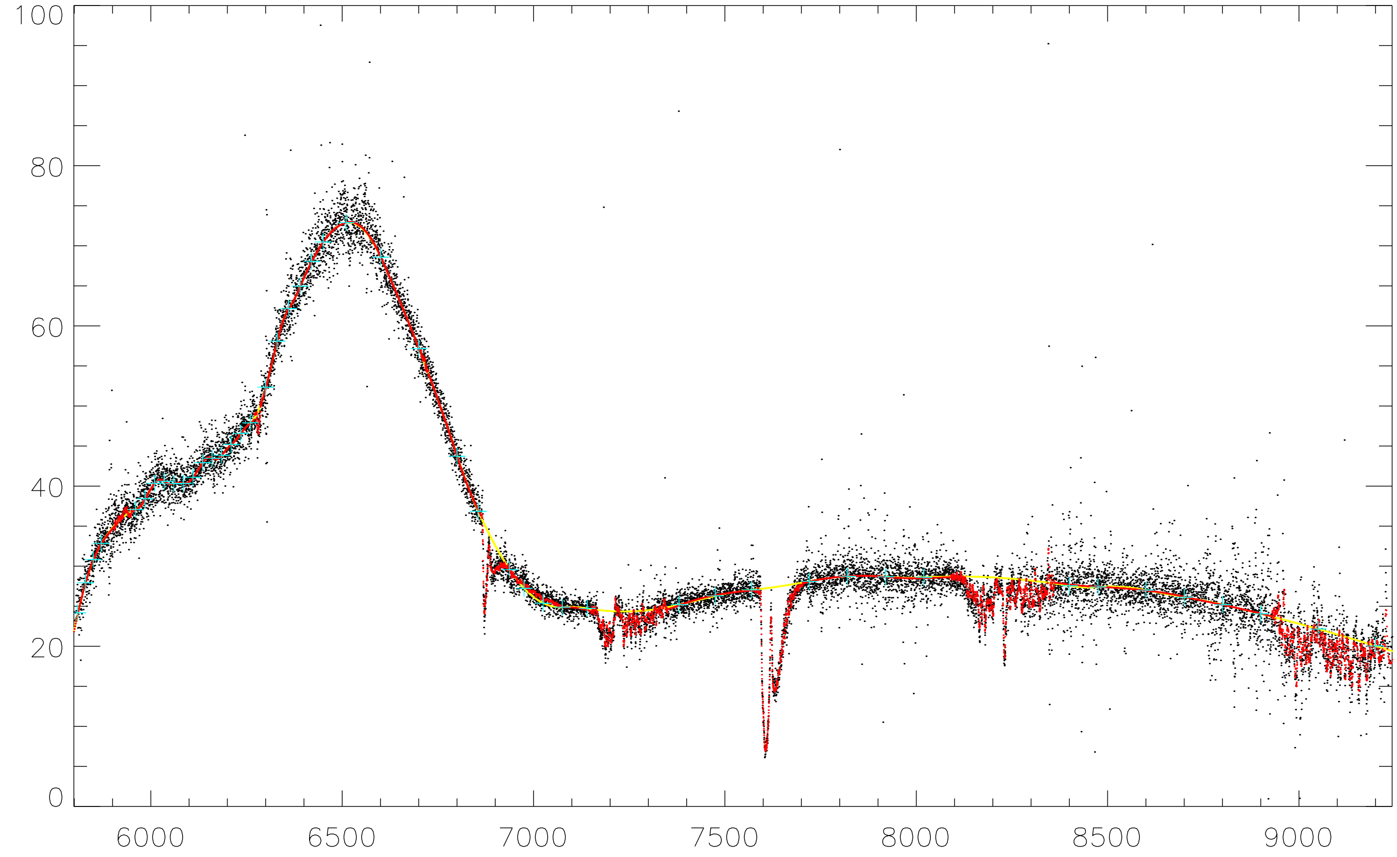
PLATE=1143 MJD=52582 Spectro−Photo Calib for b2-00016814

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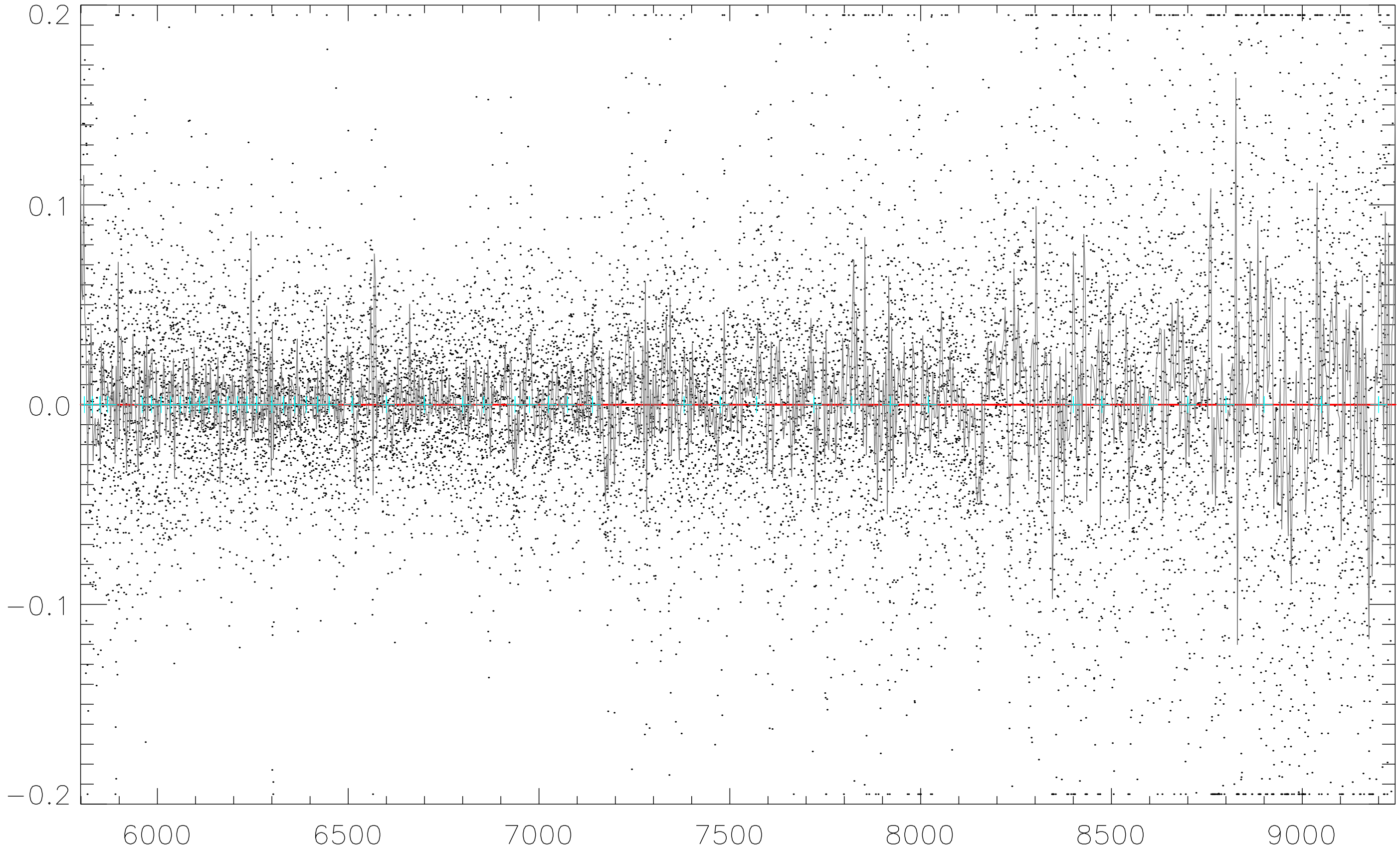
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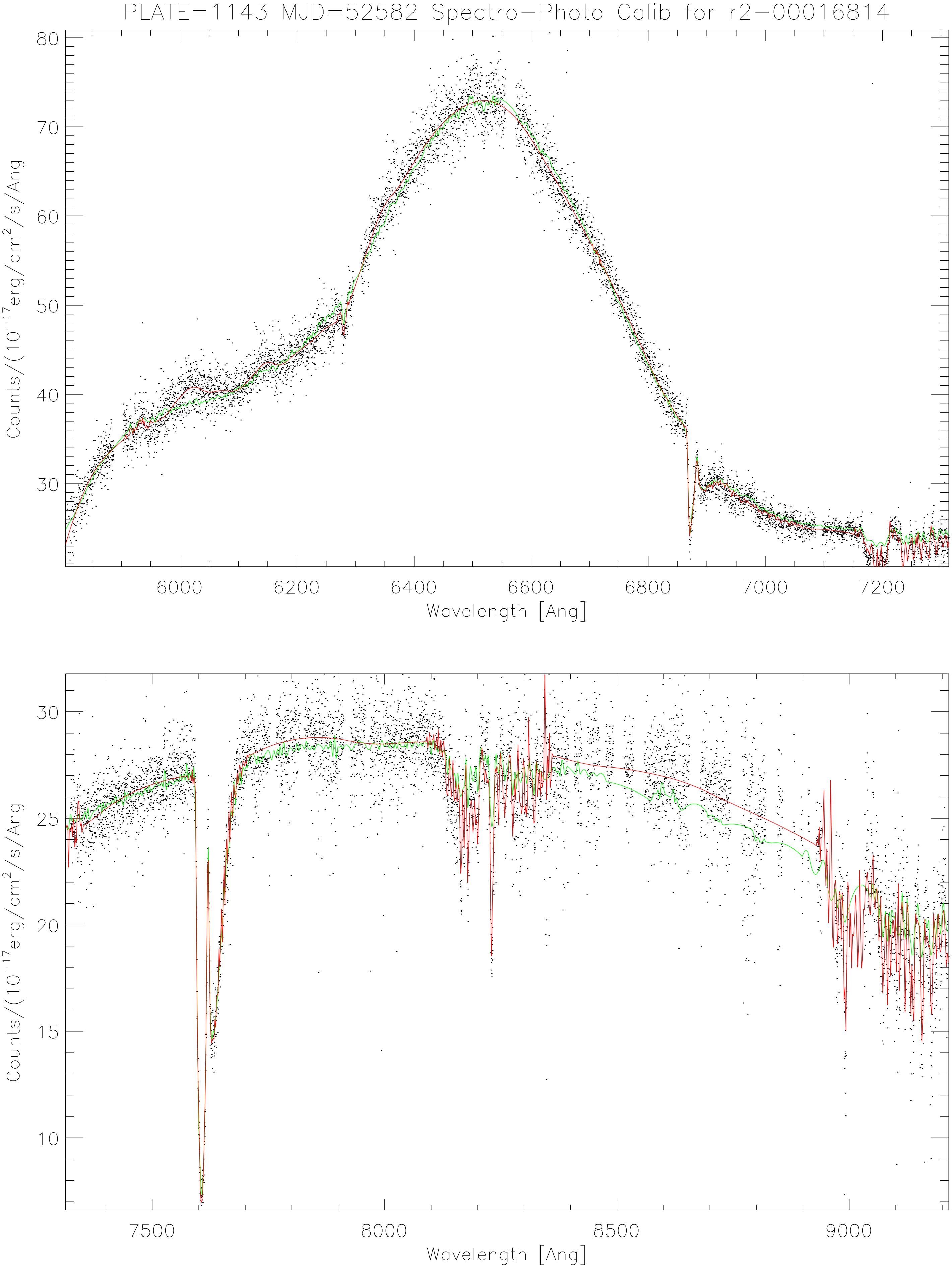
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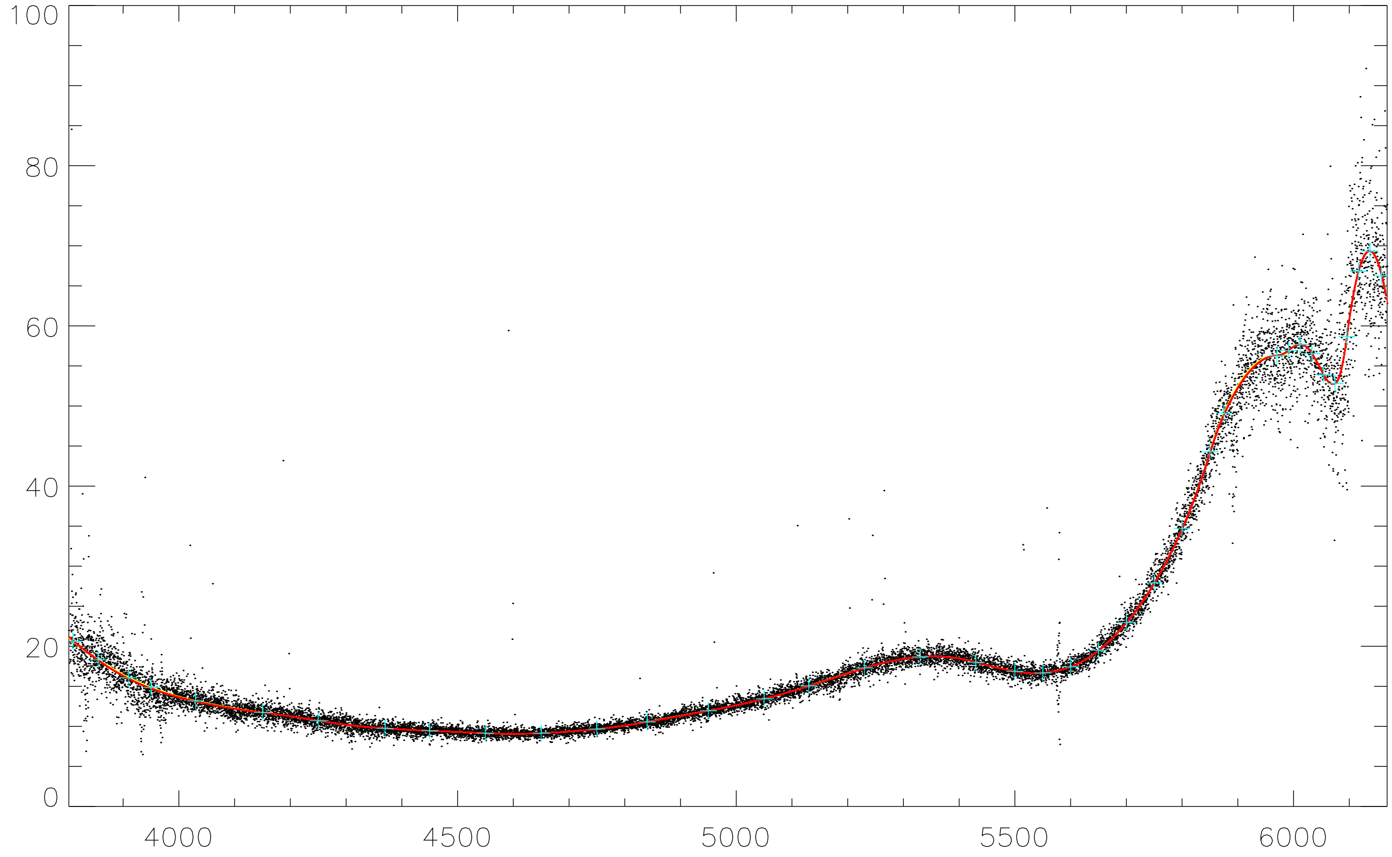

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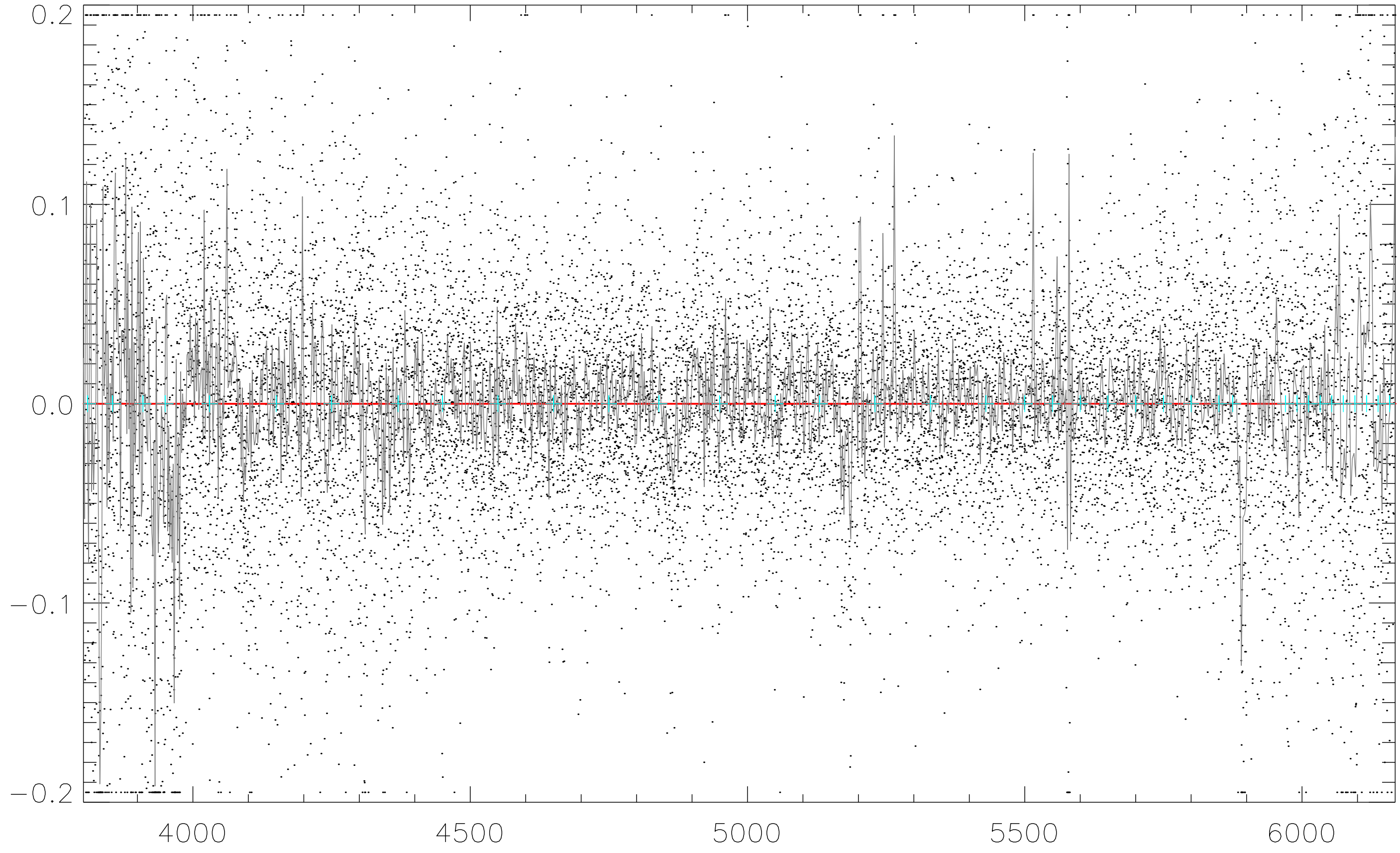

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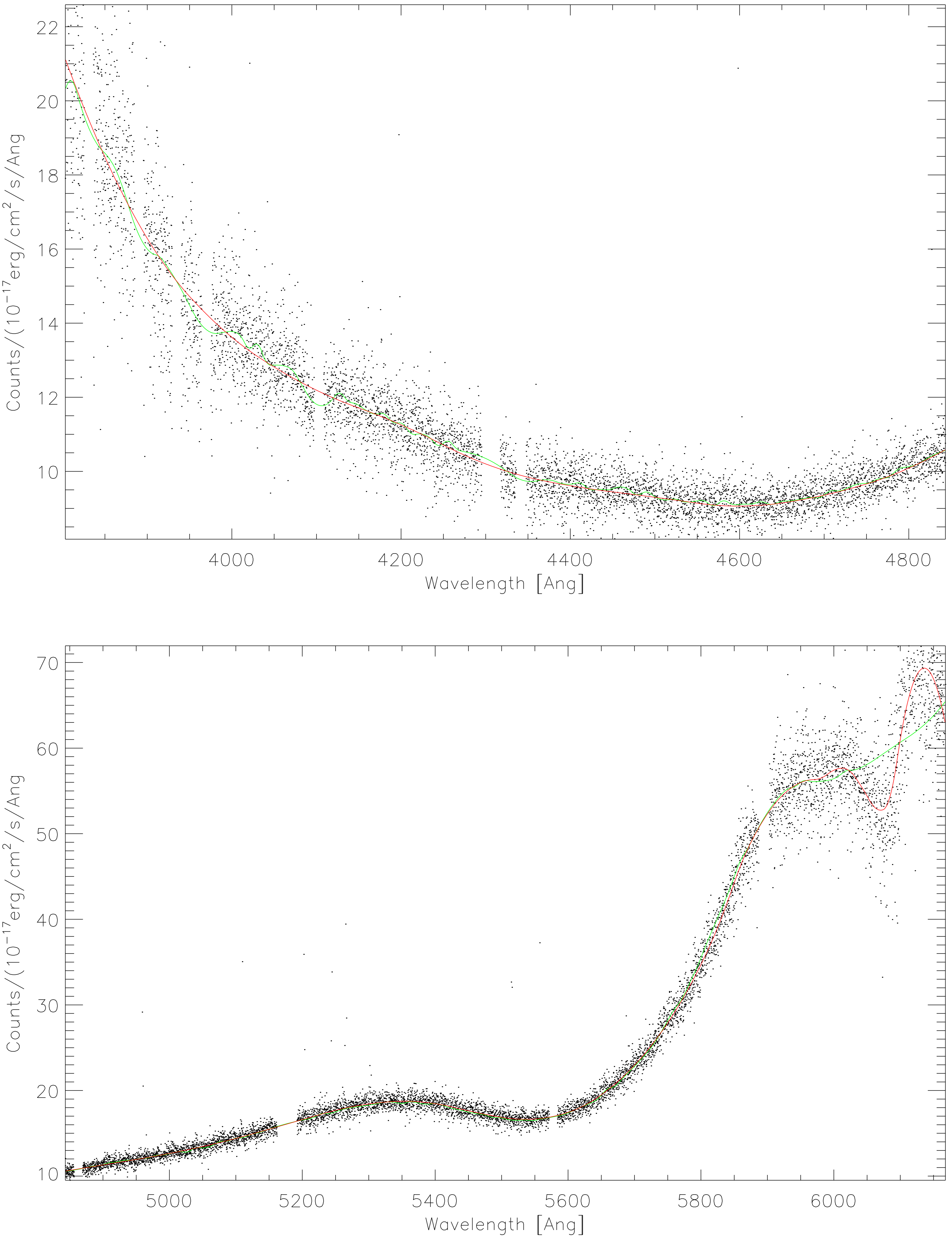

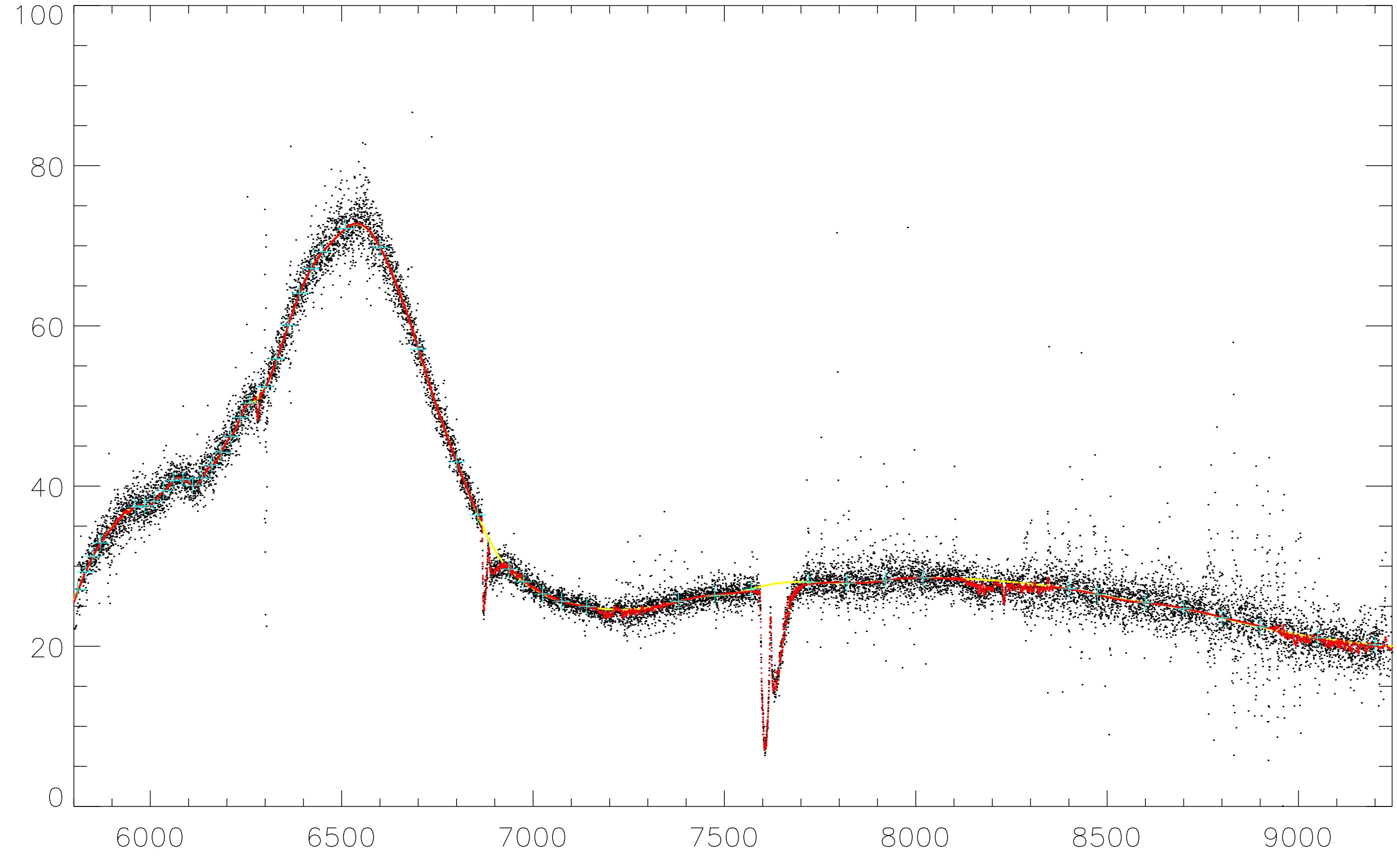
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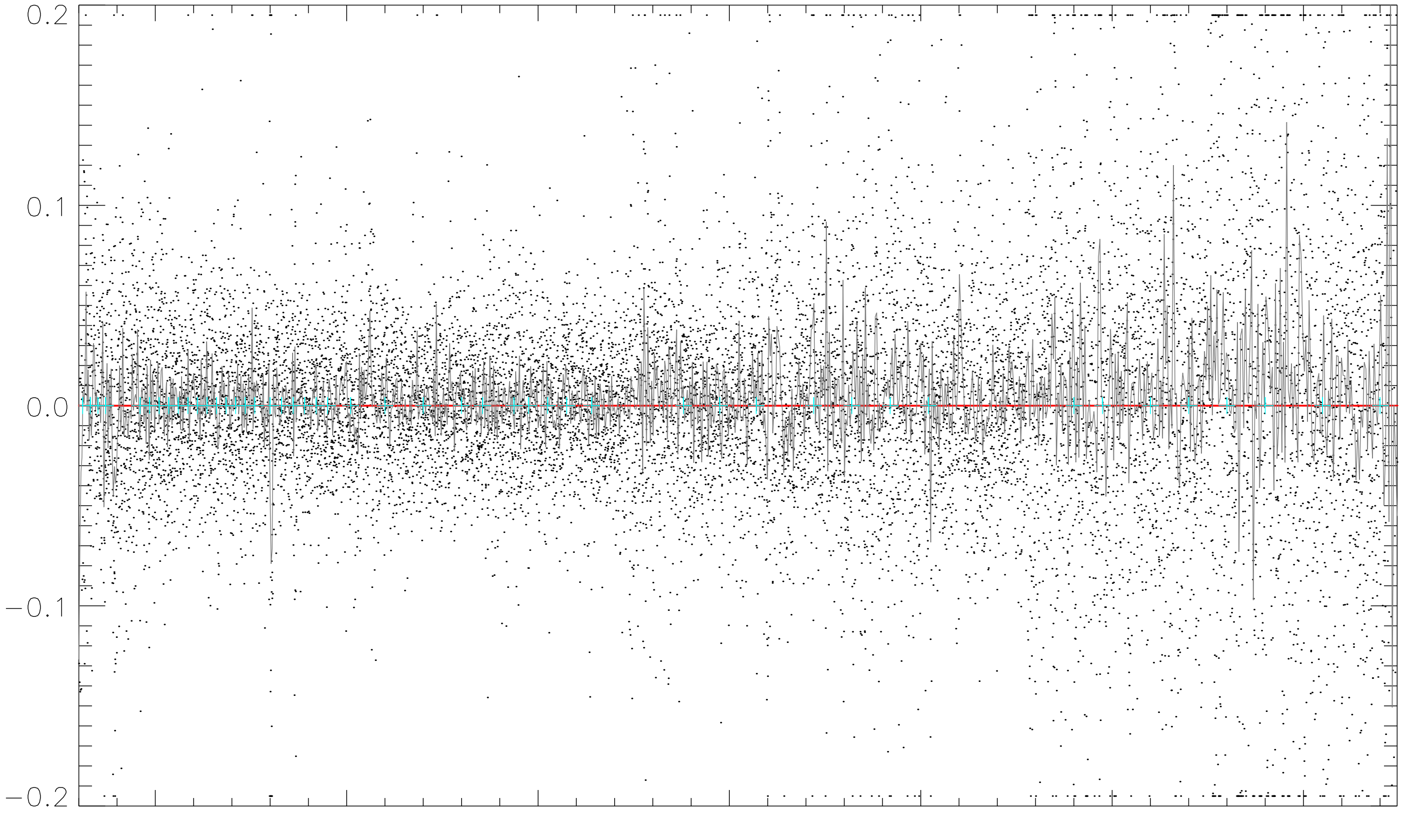
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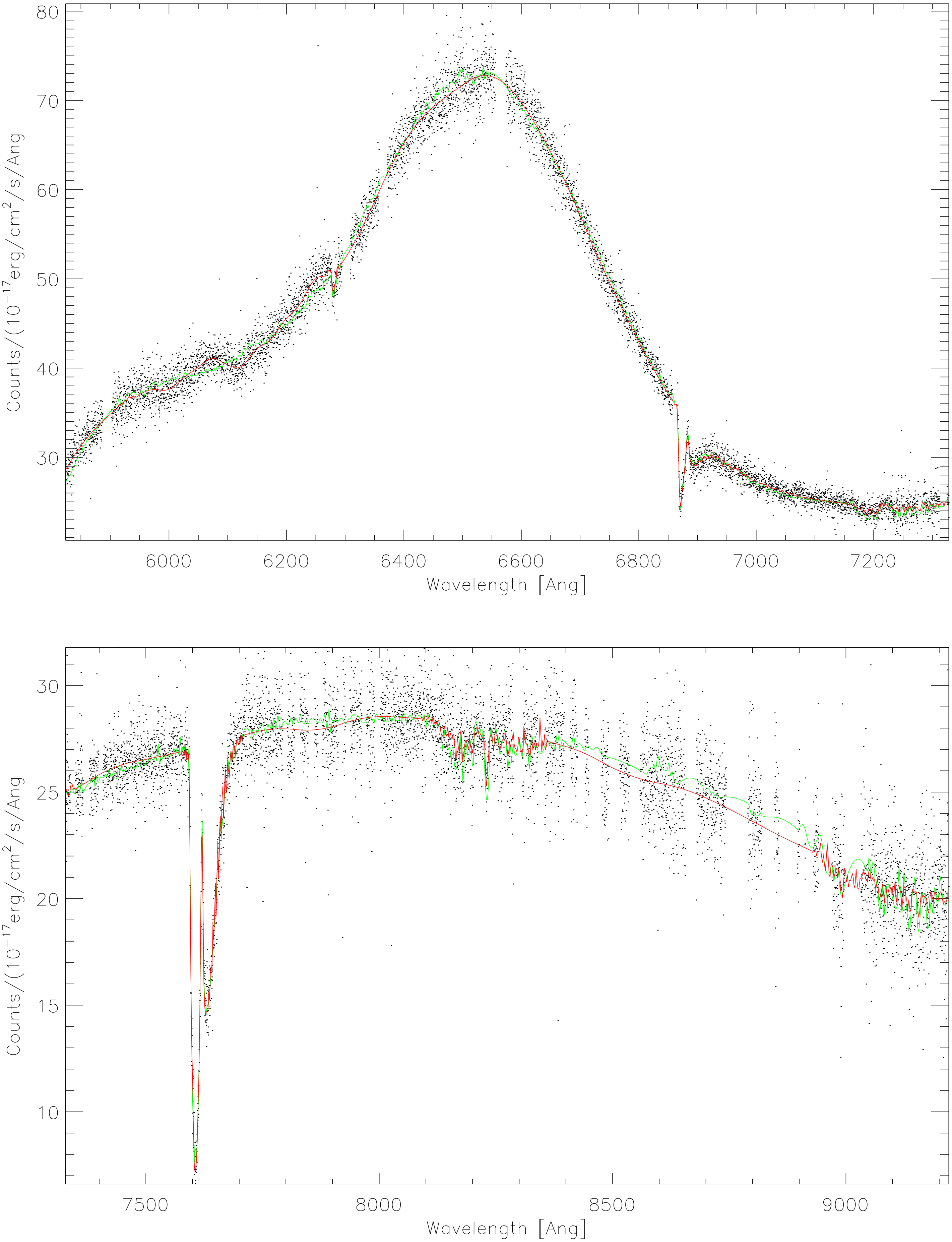

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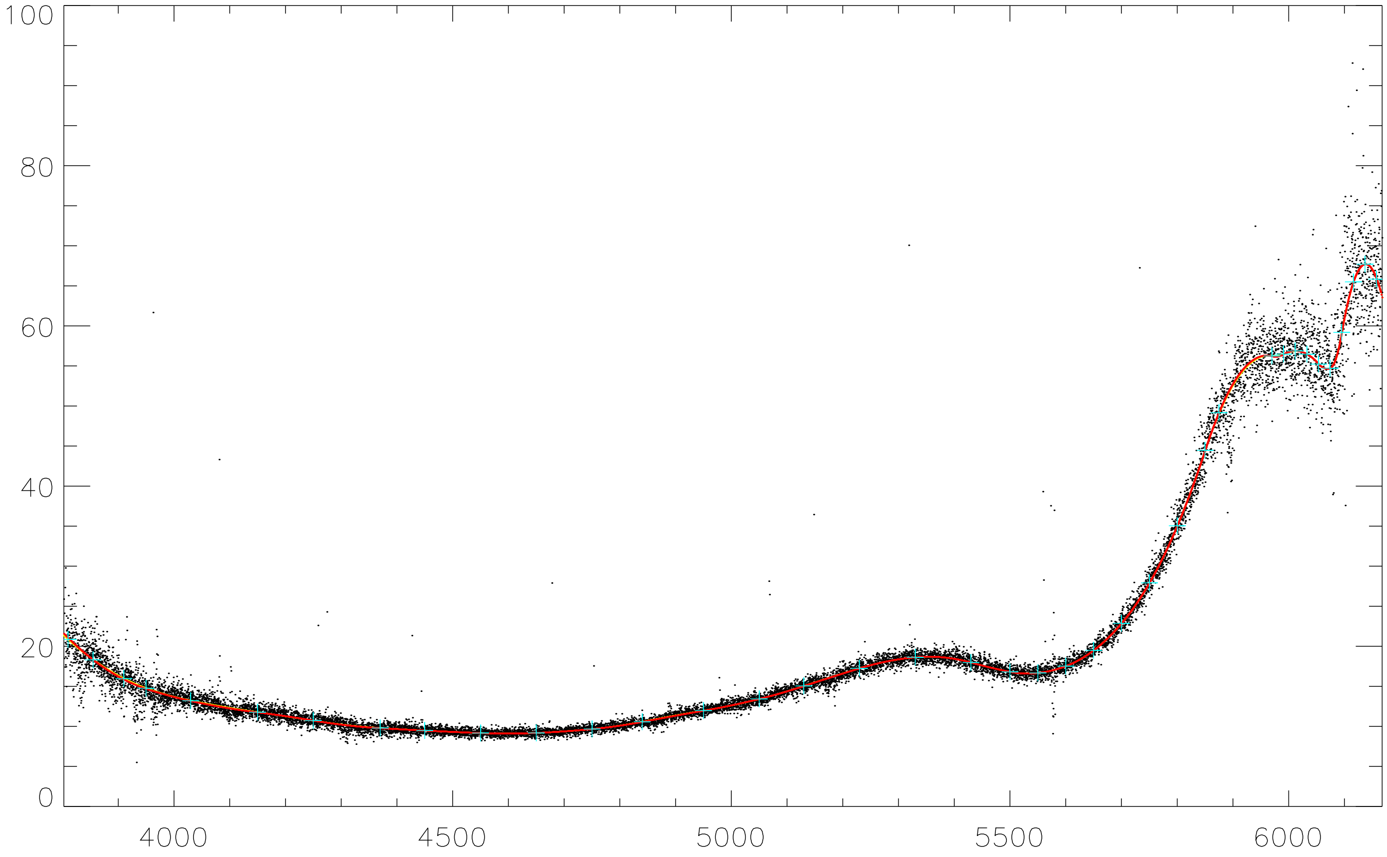
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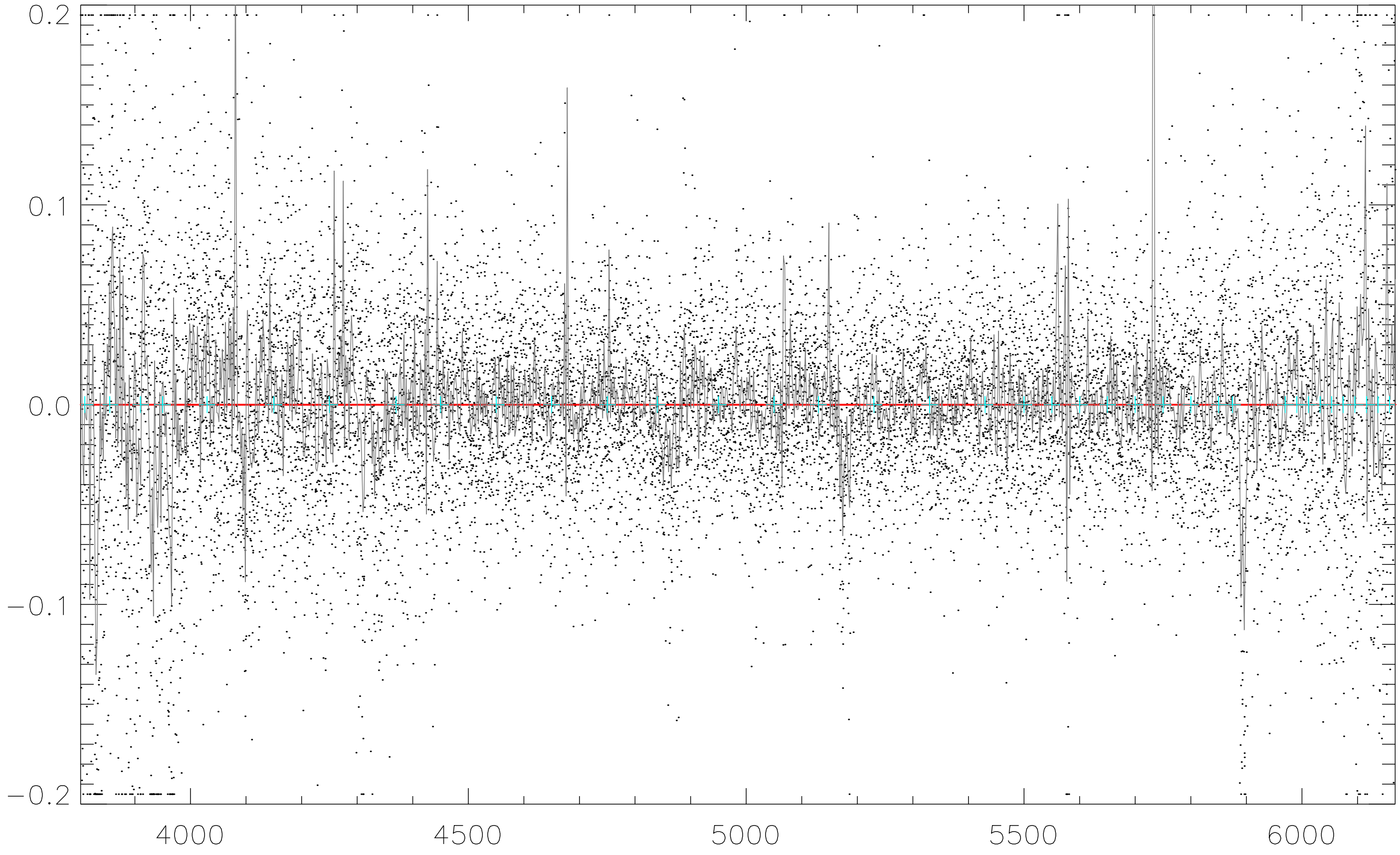
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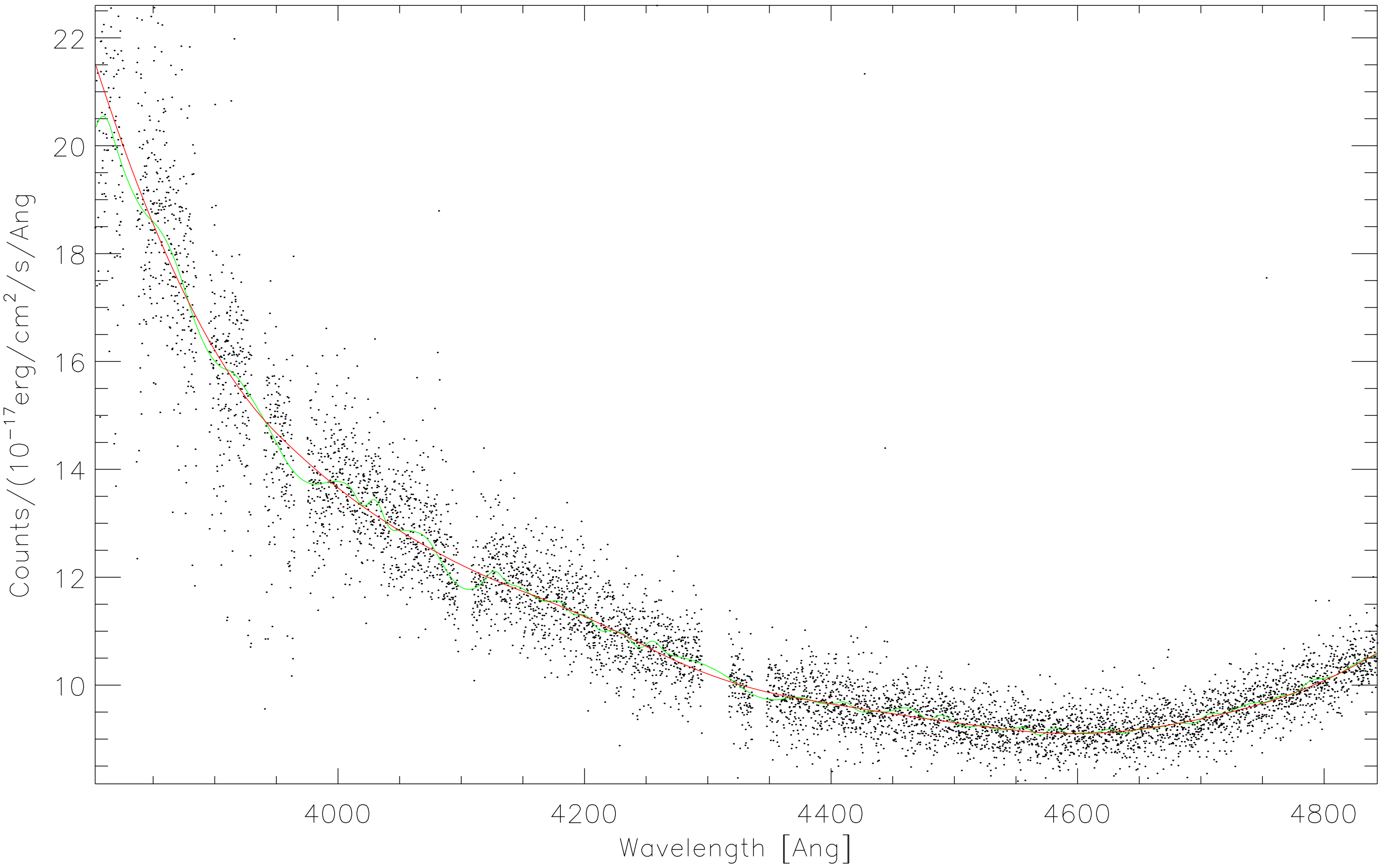

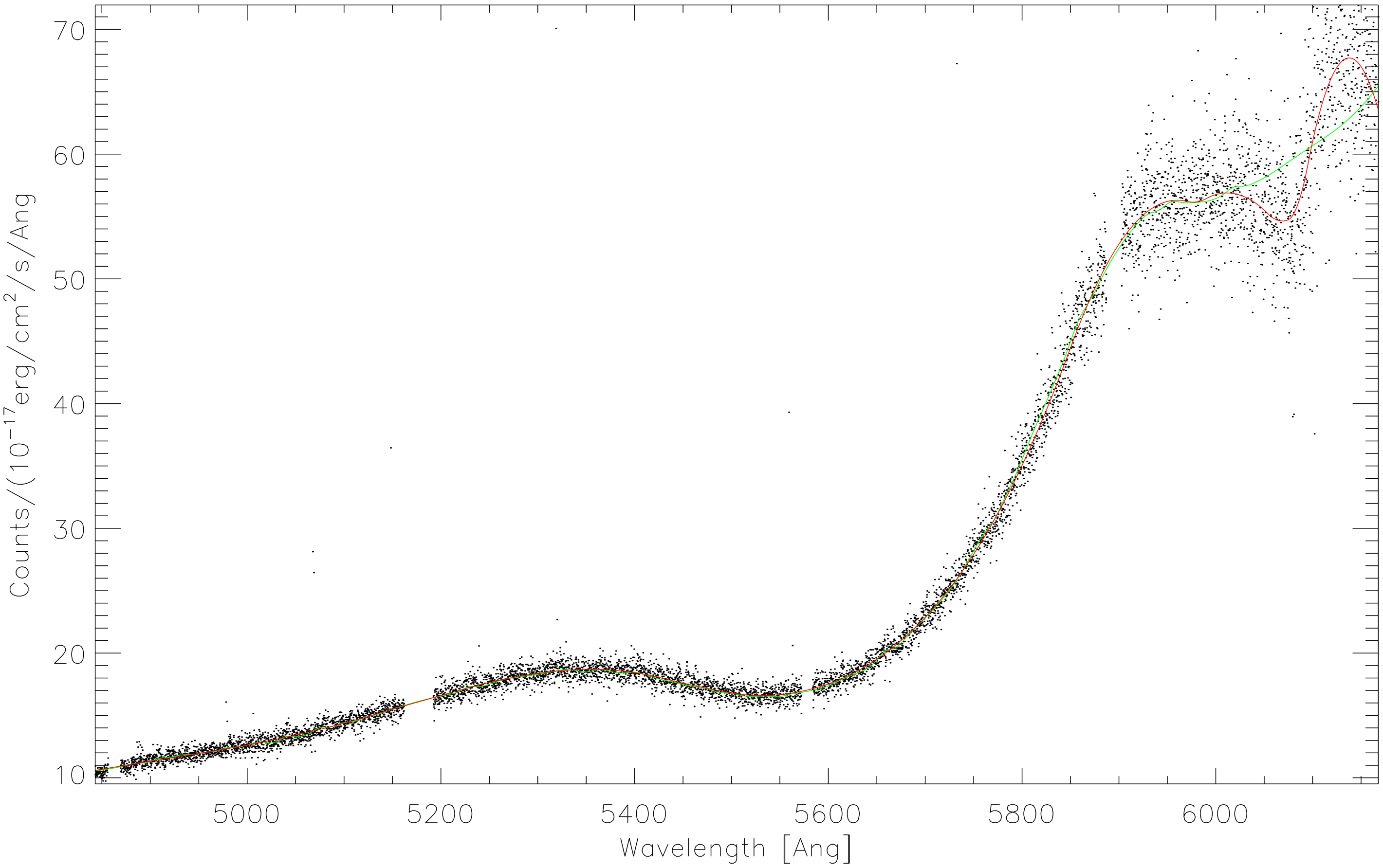

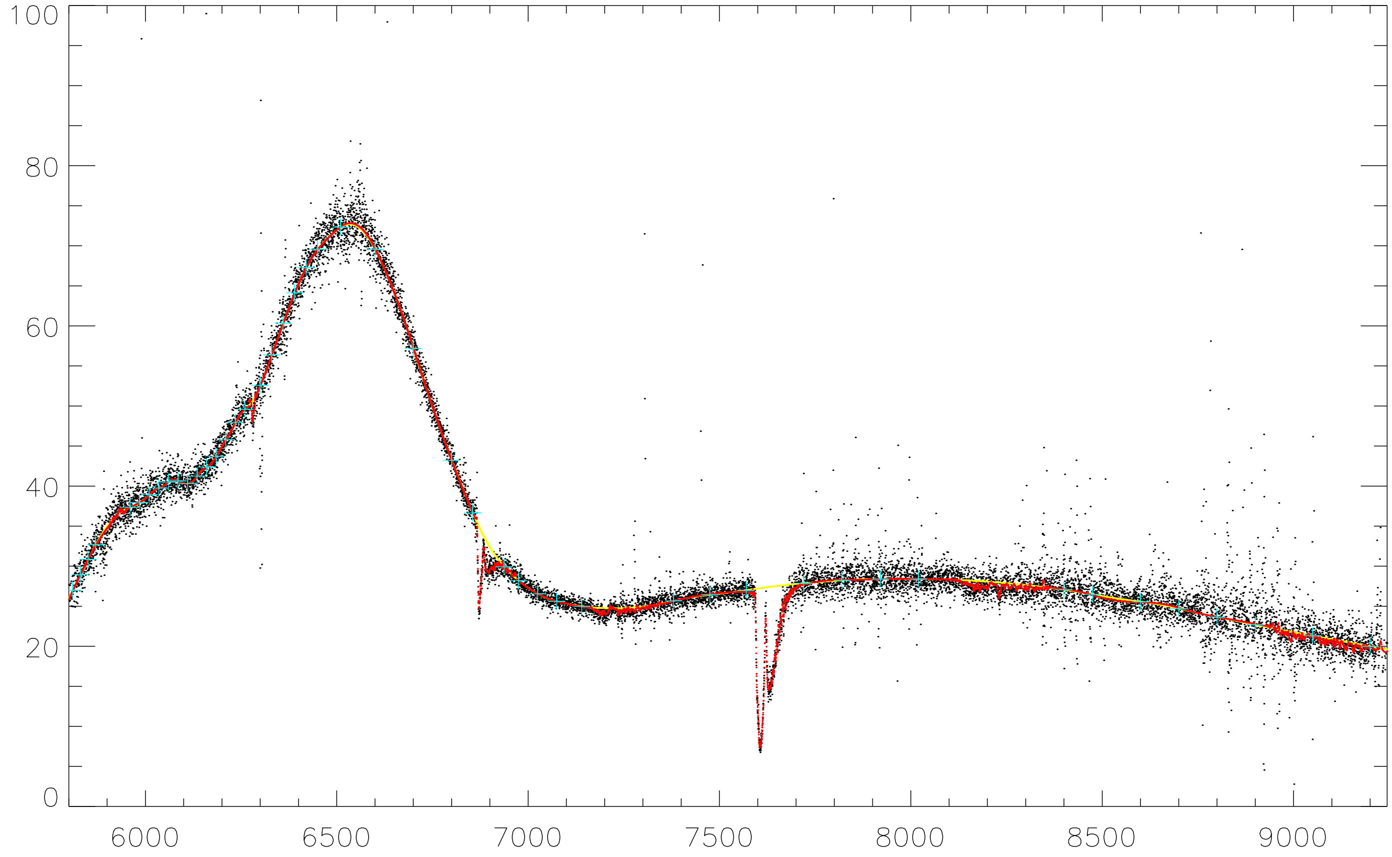
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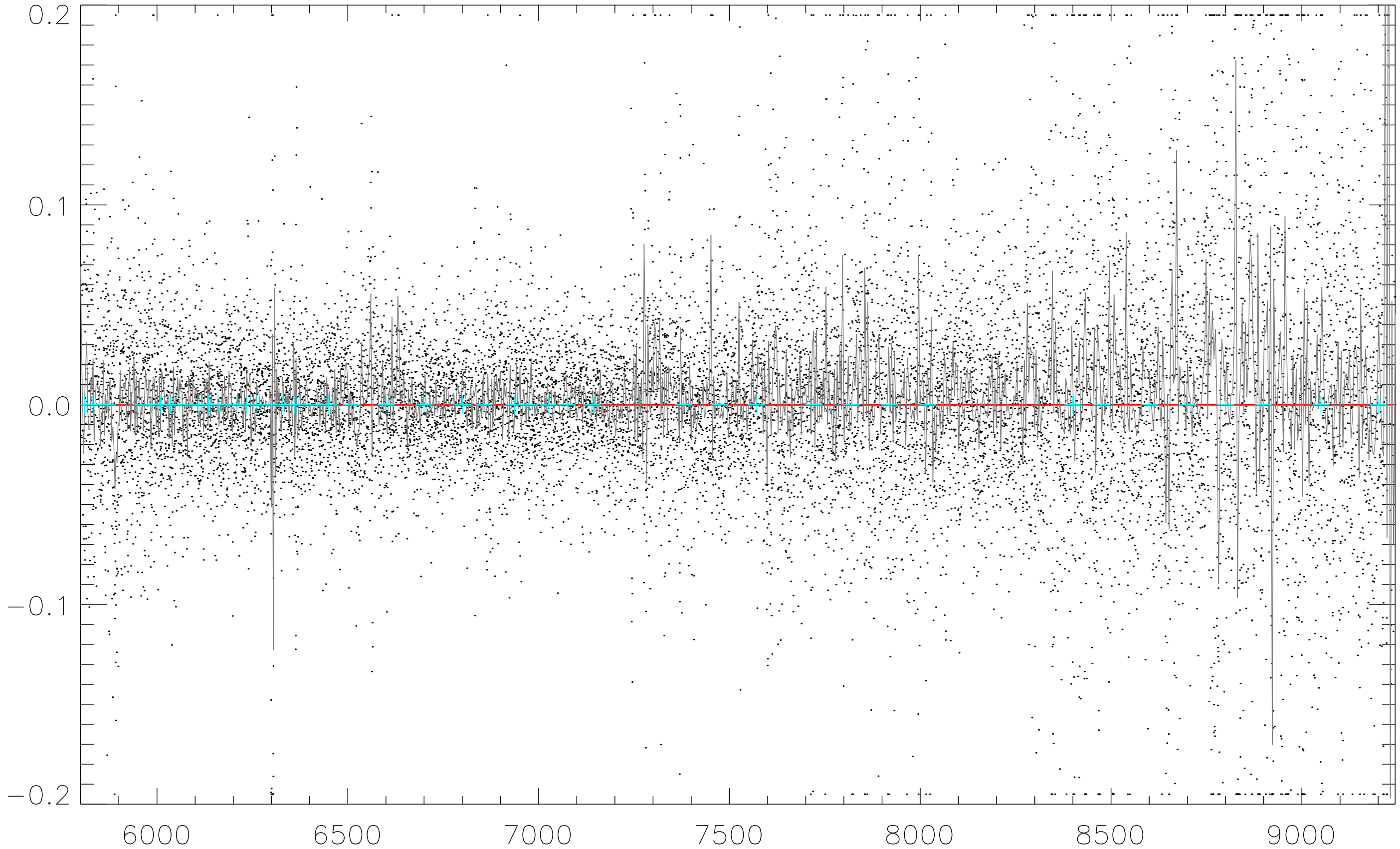
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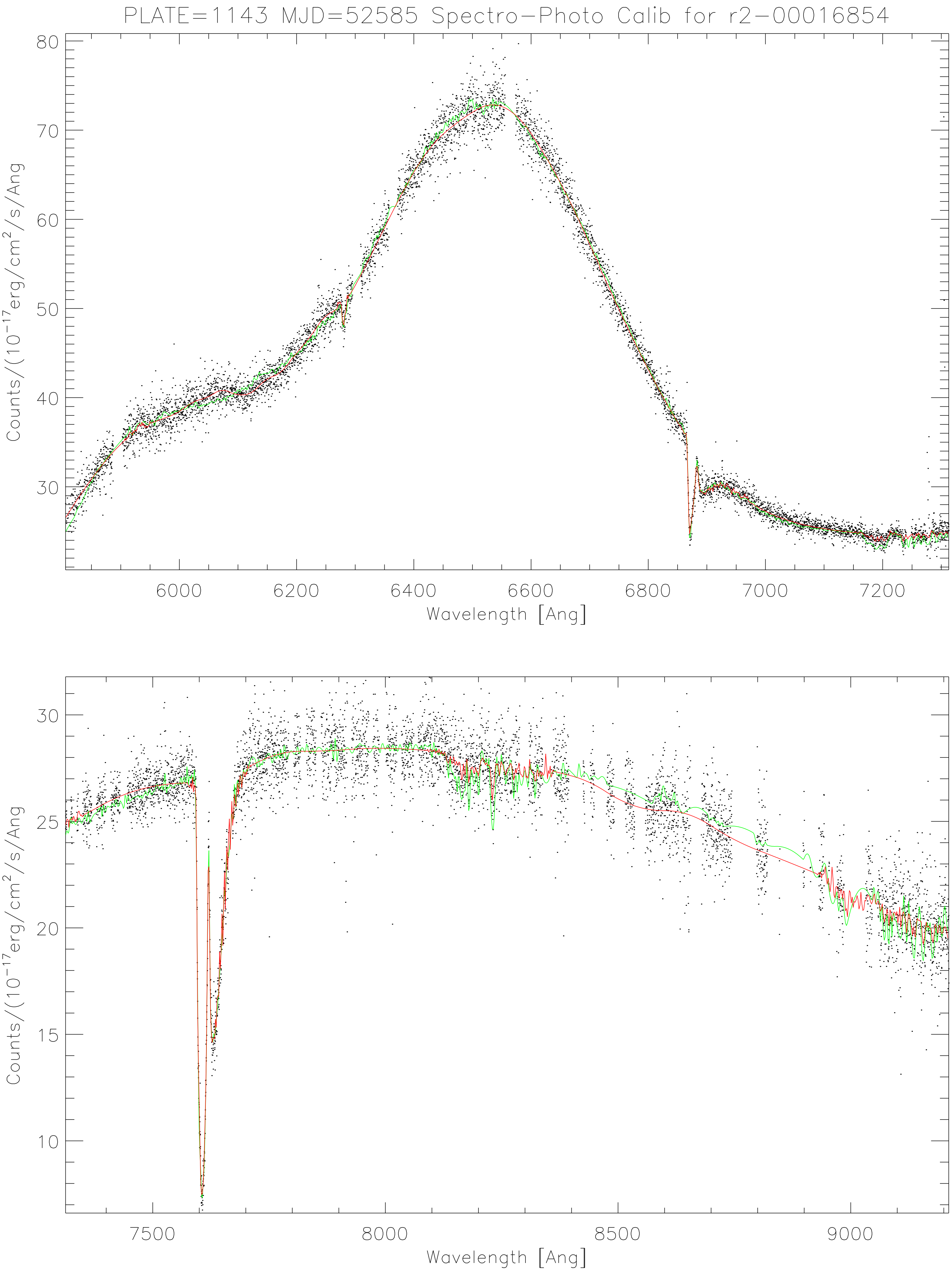
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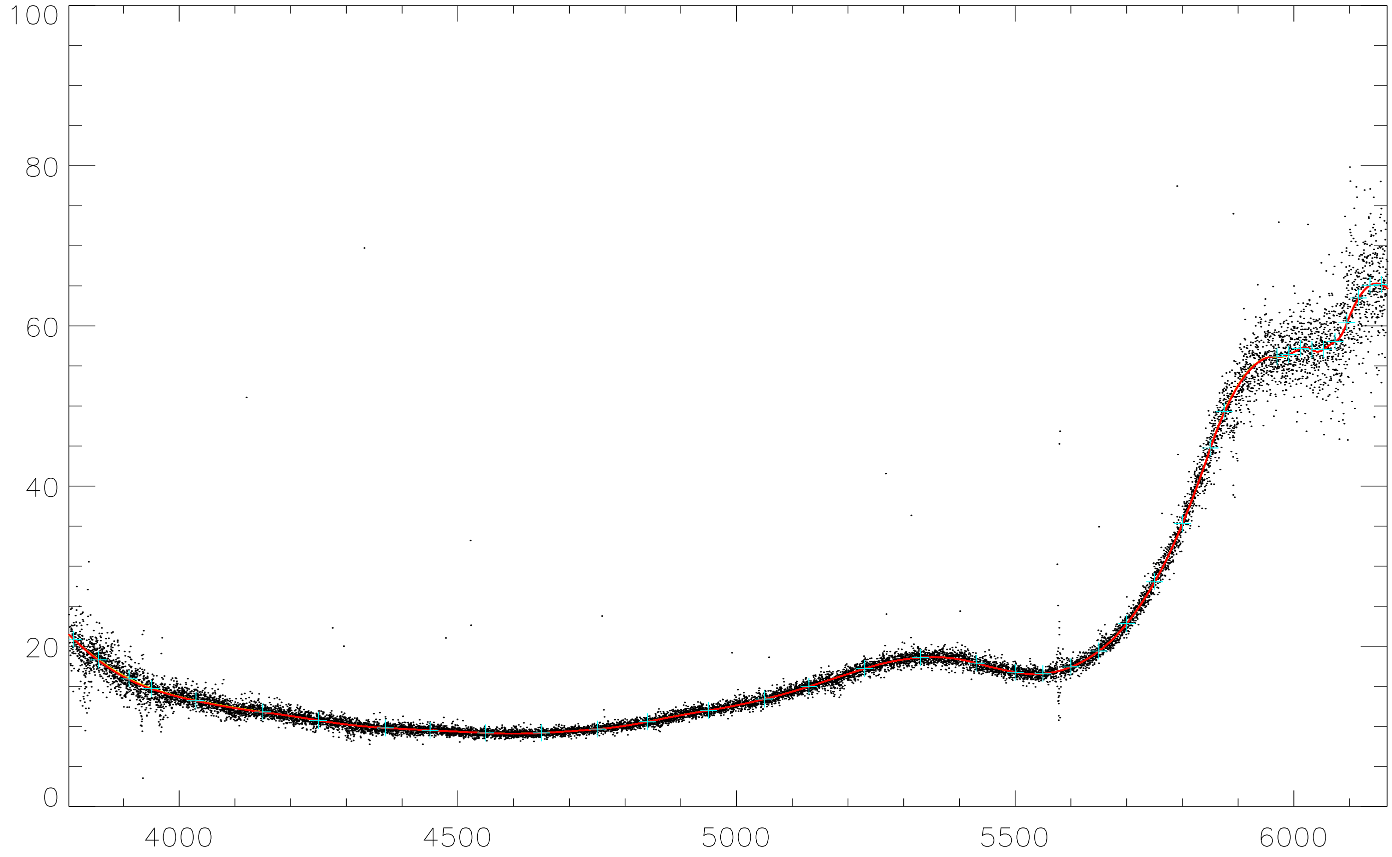
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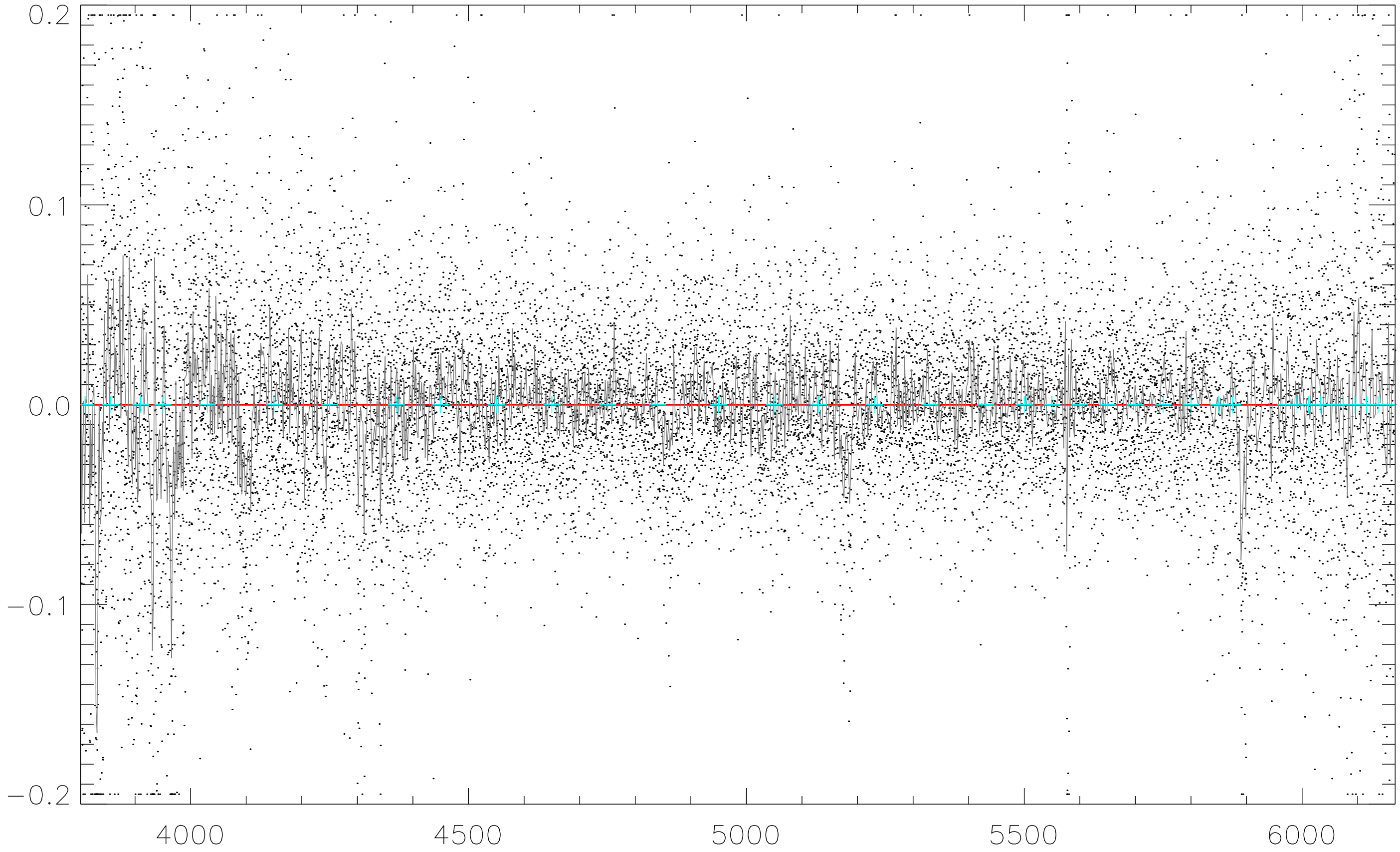
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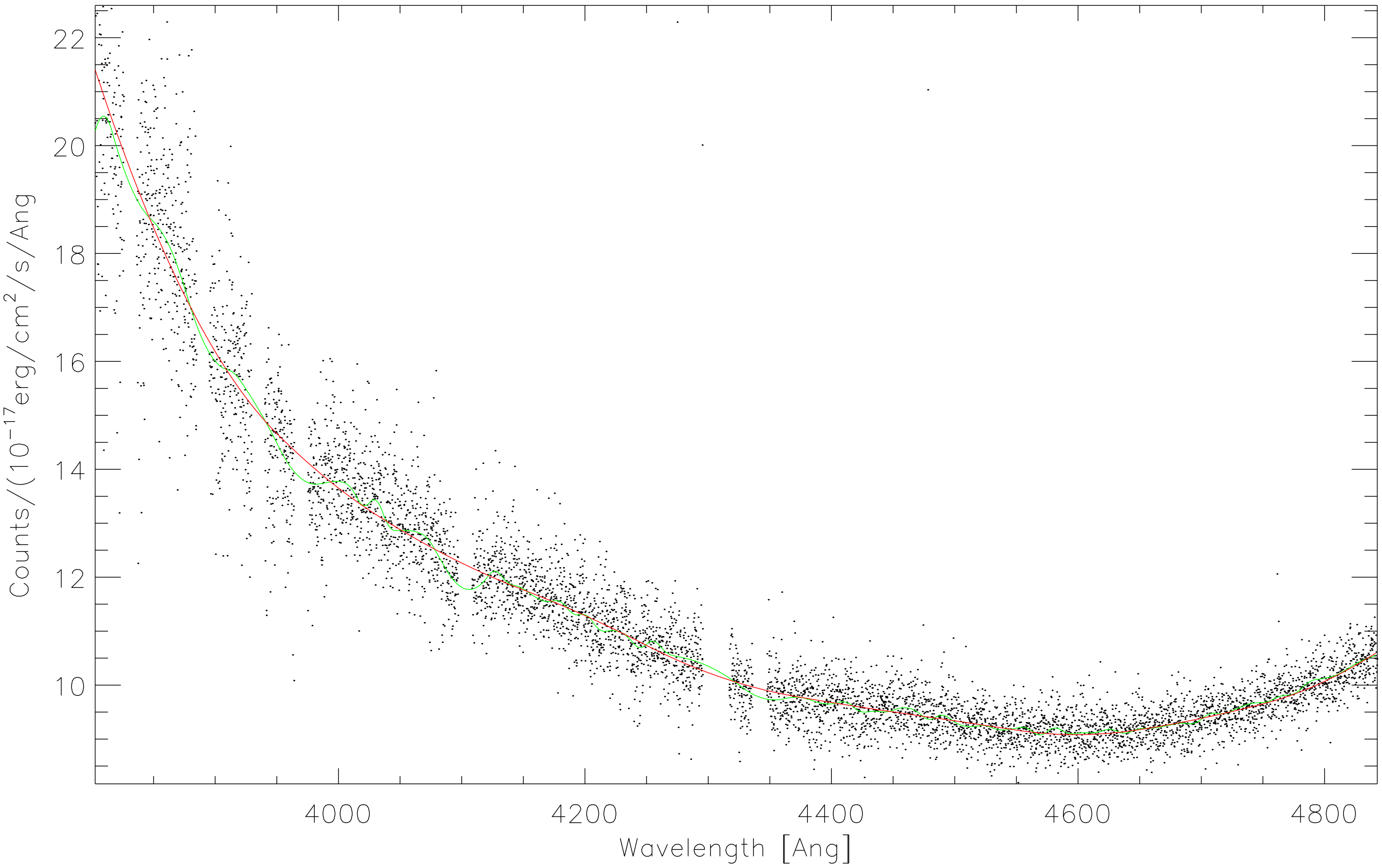

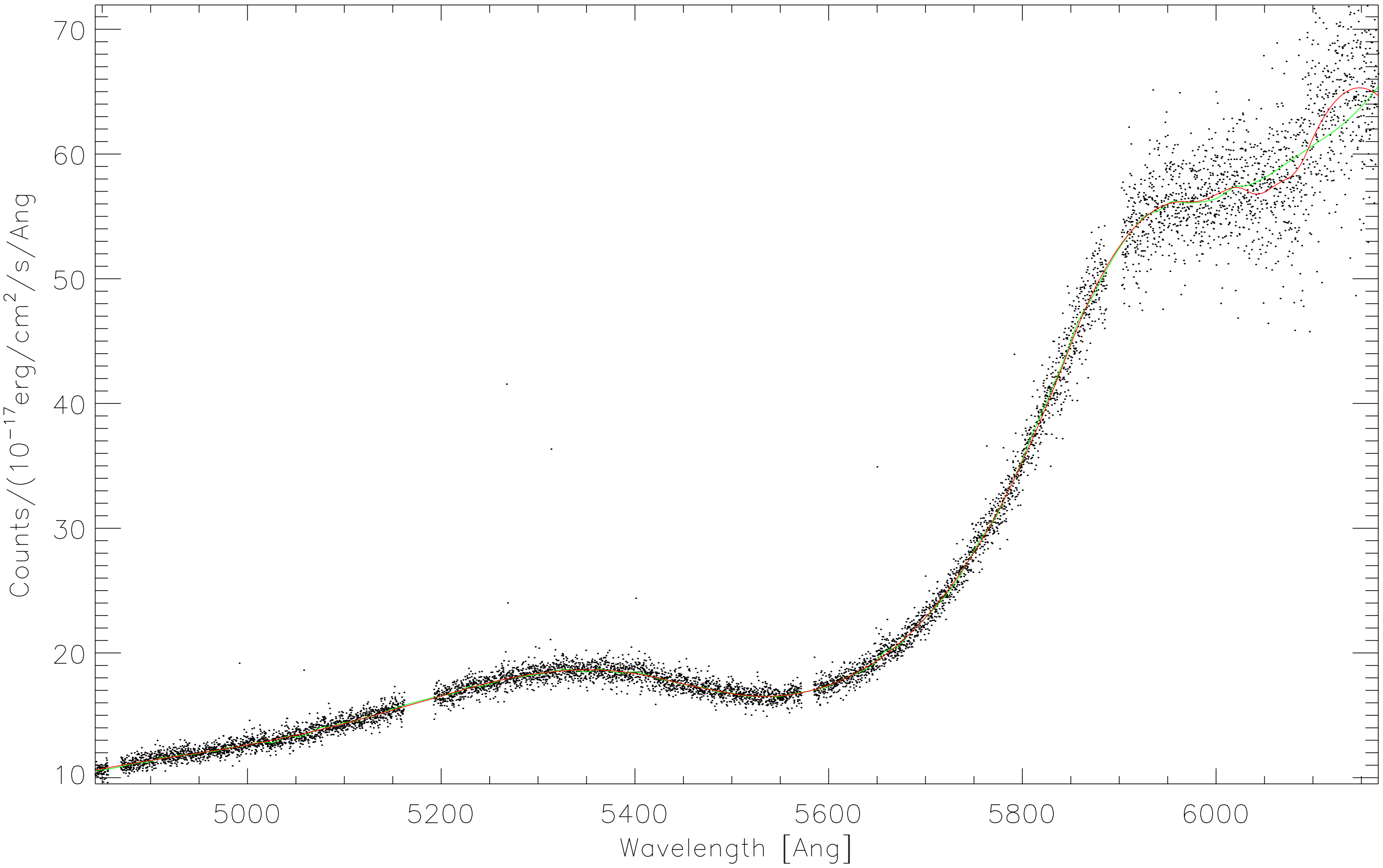

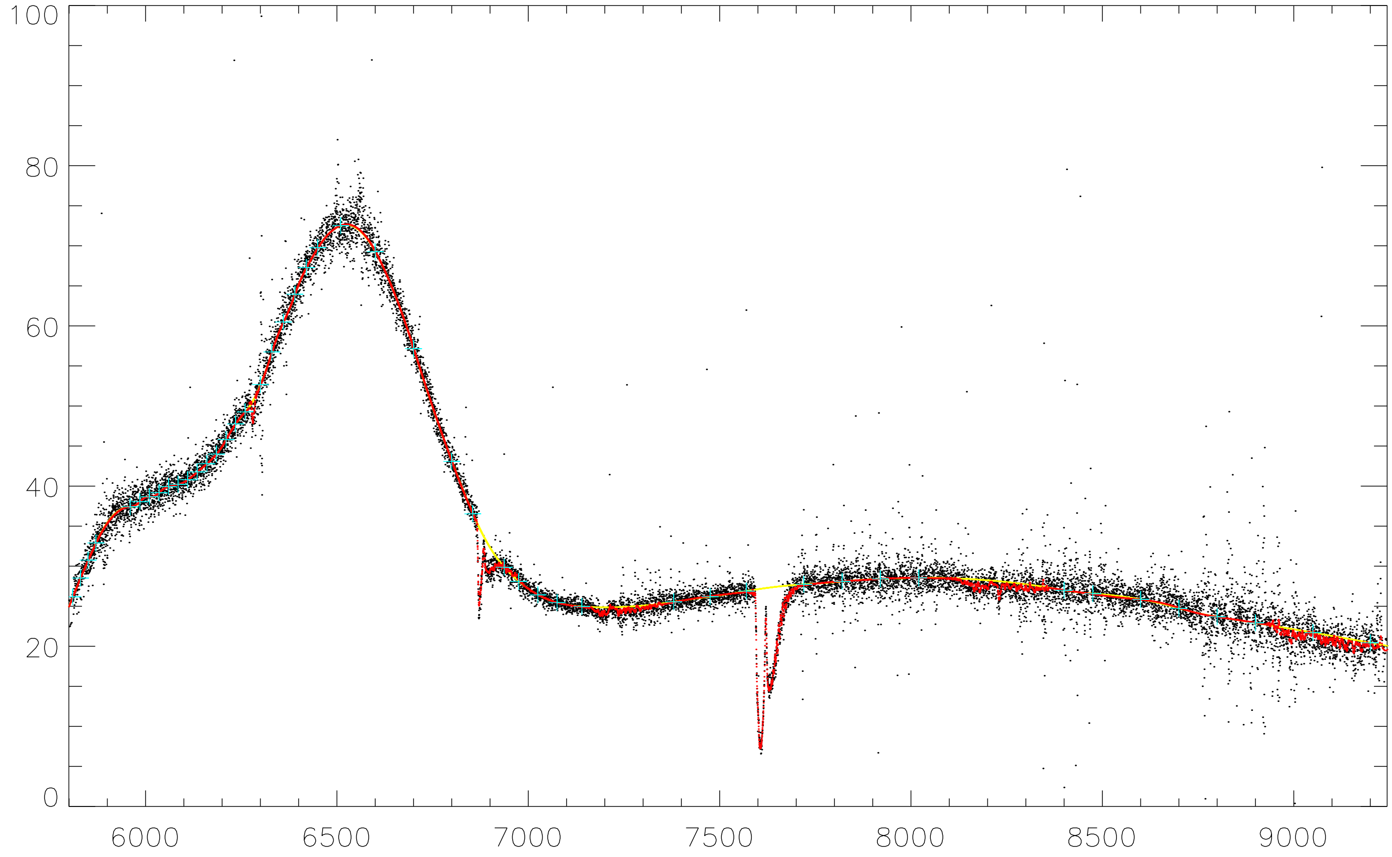
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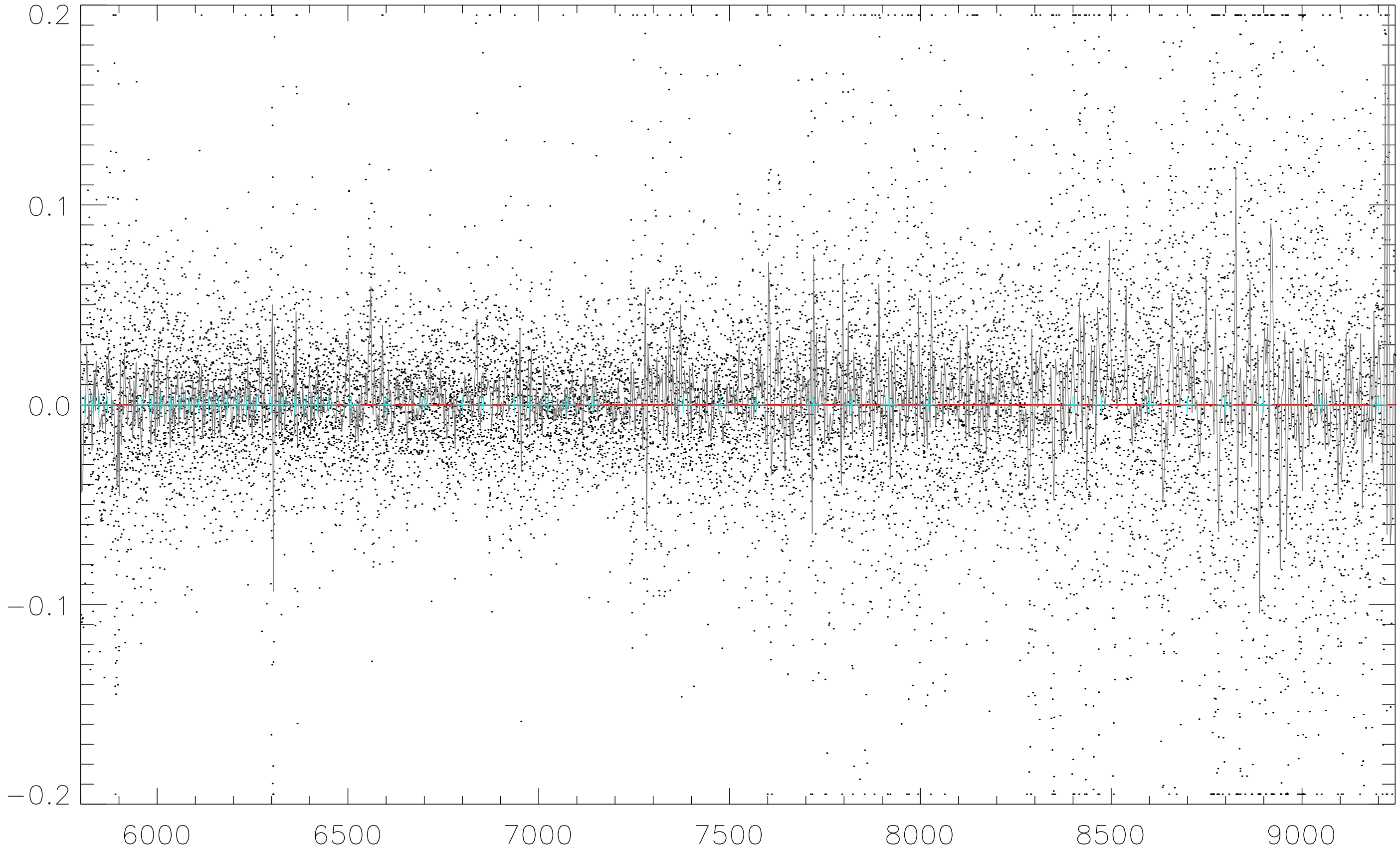
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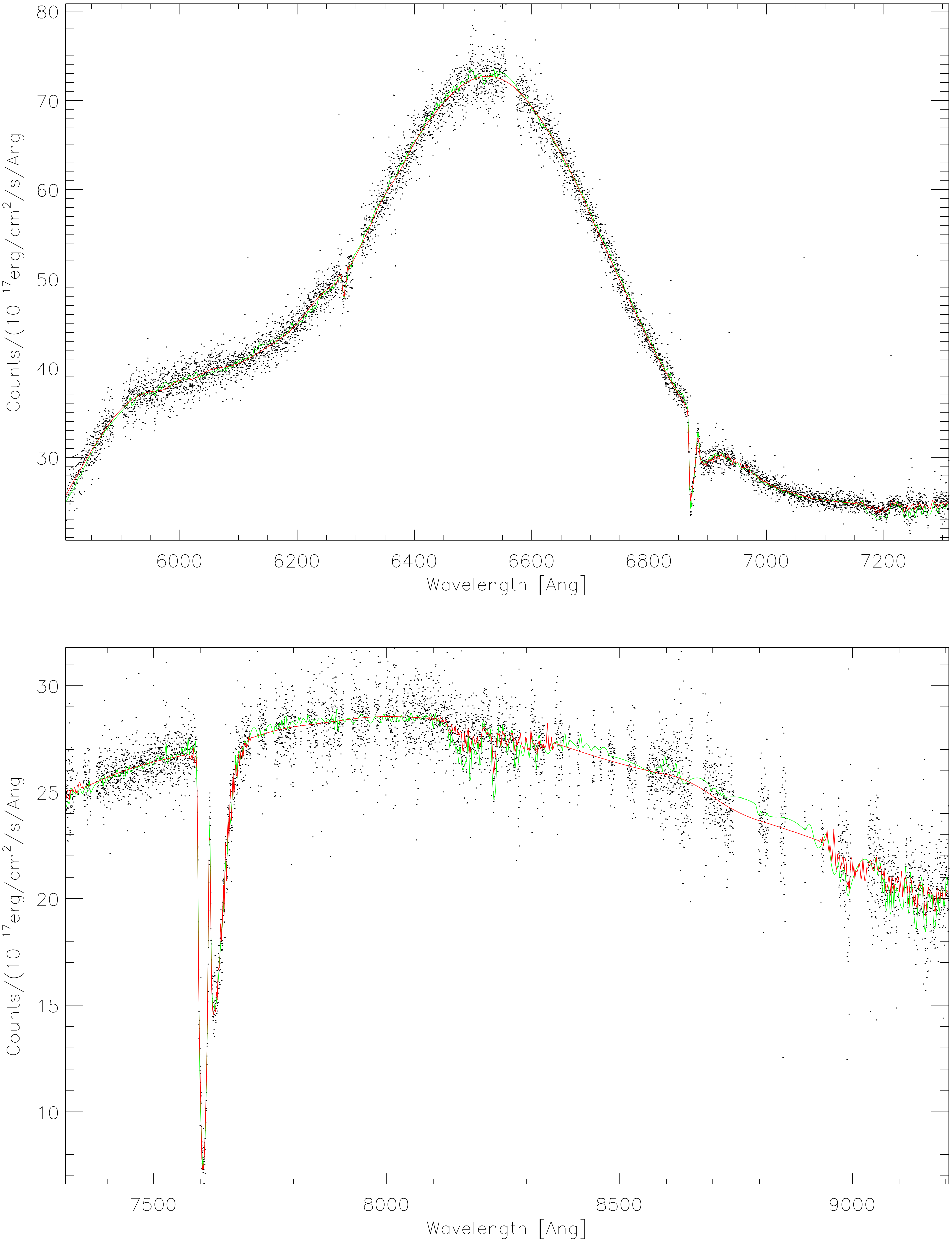

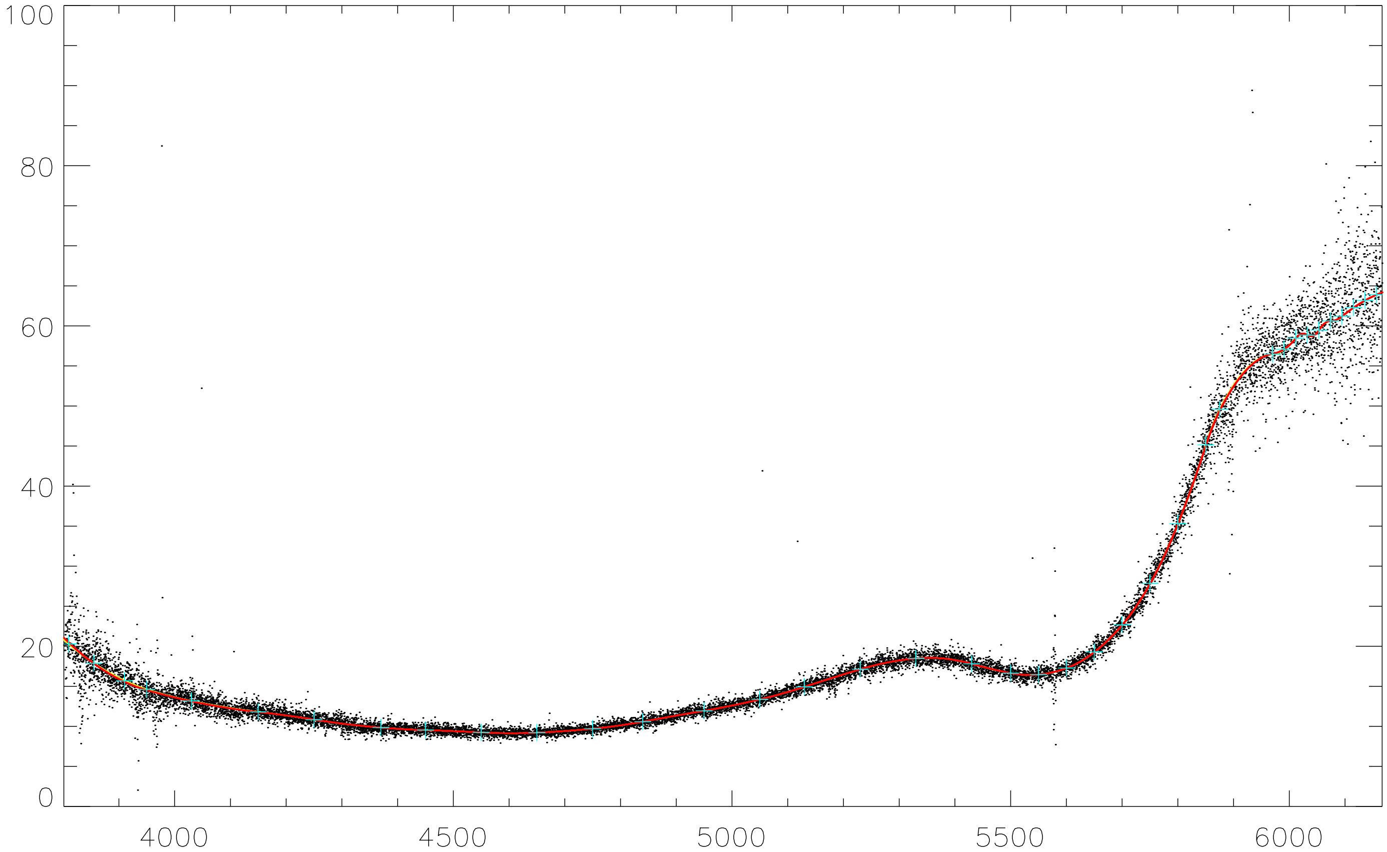
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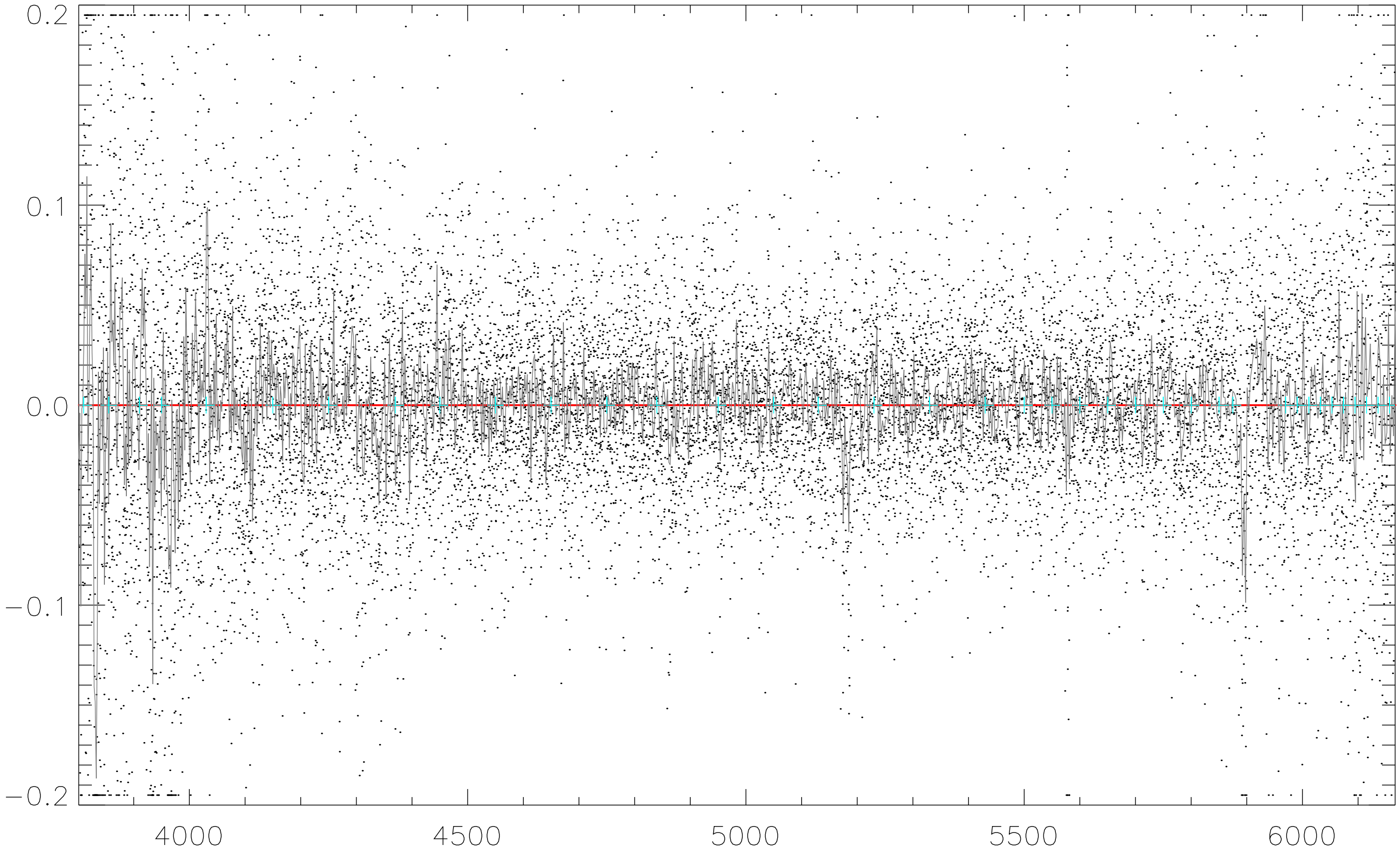
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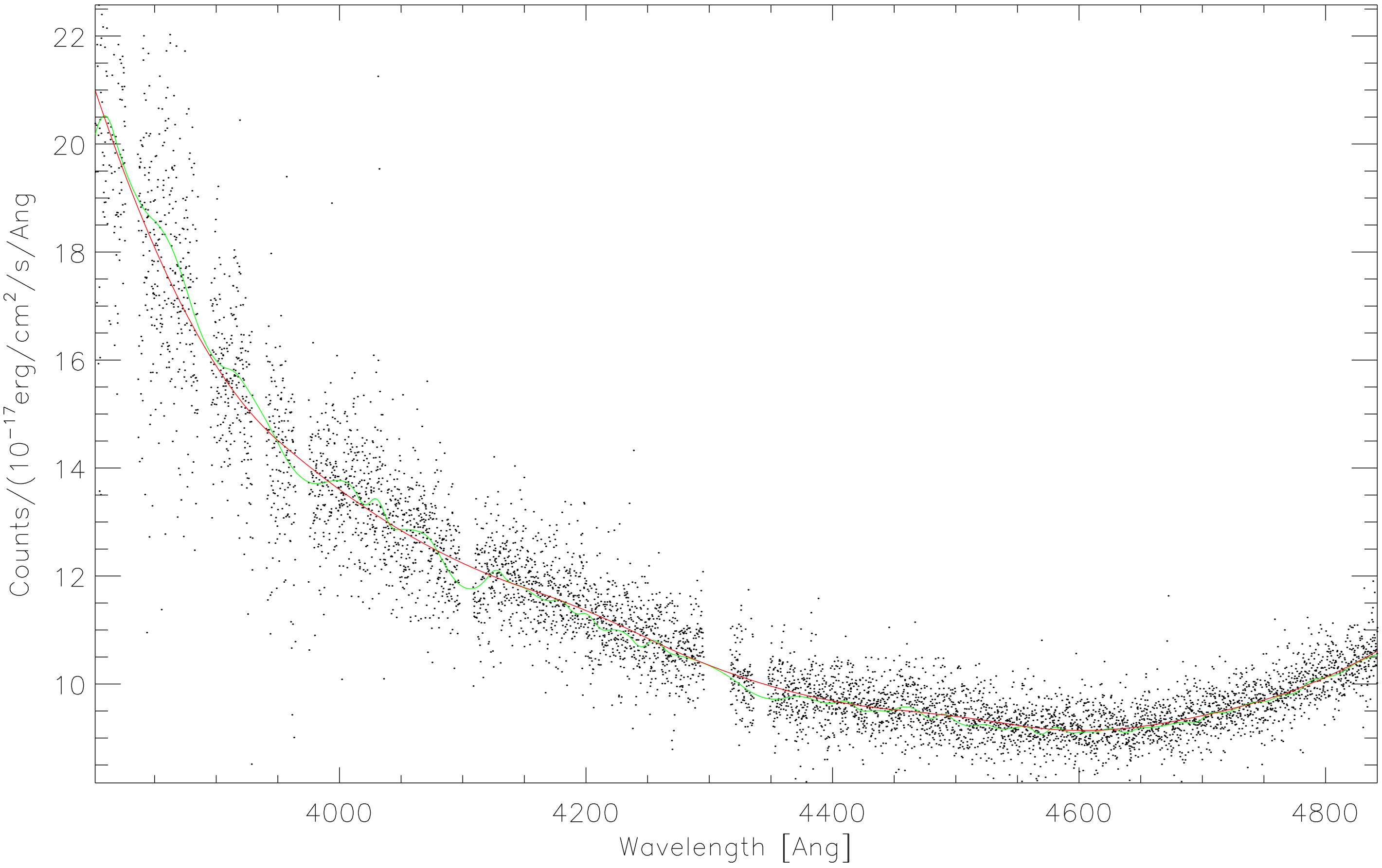

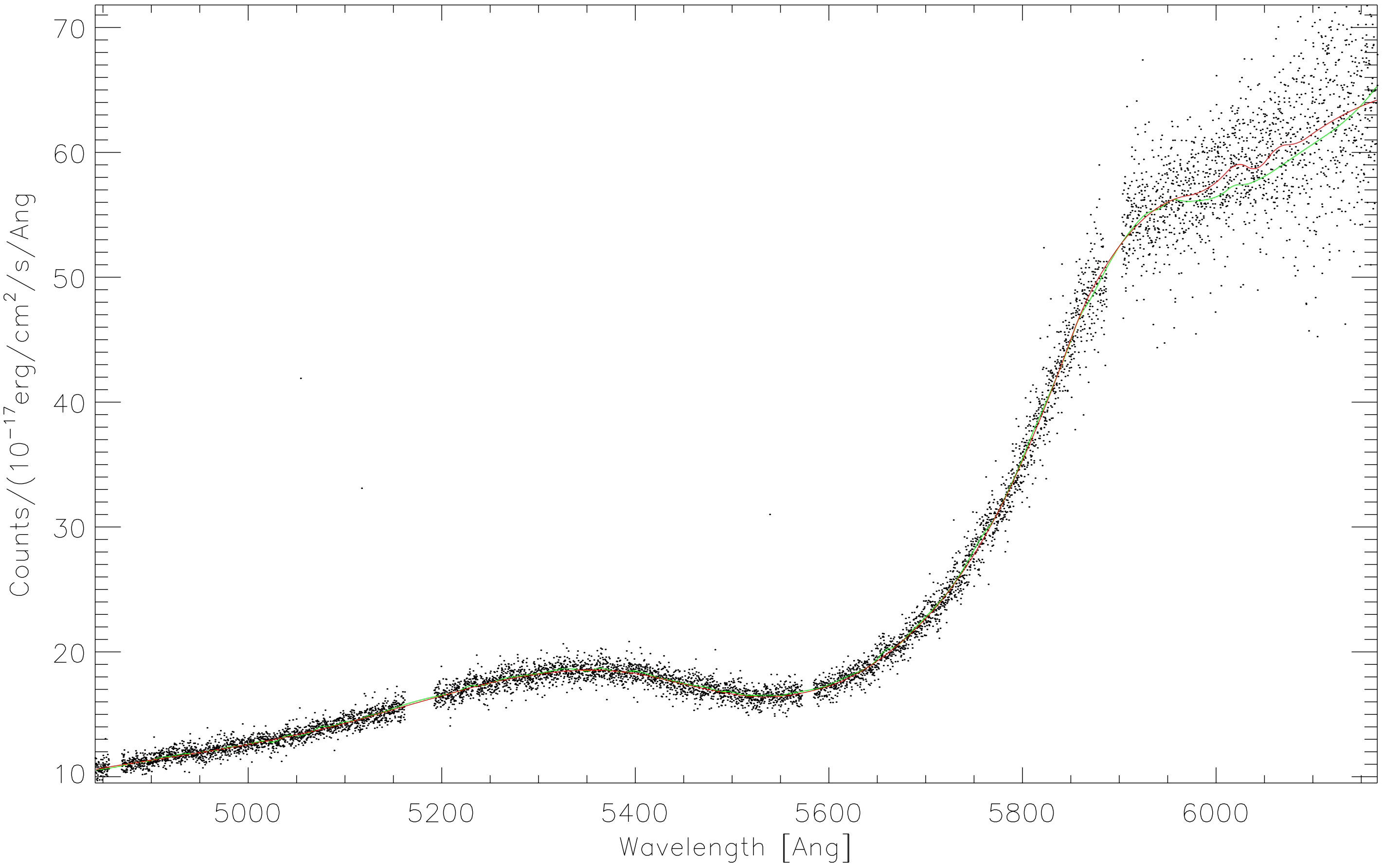

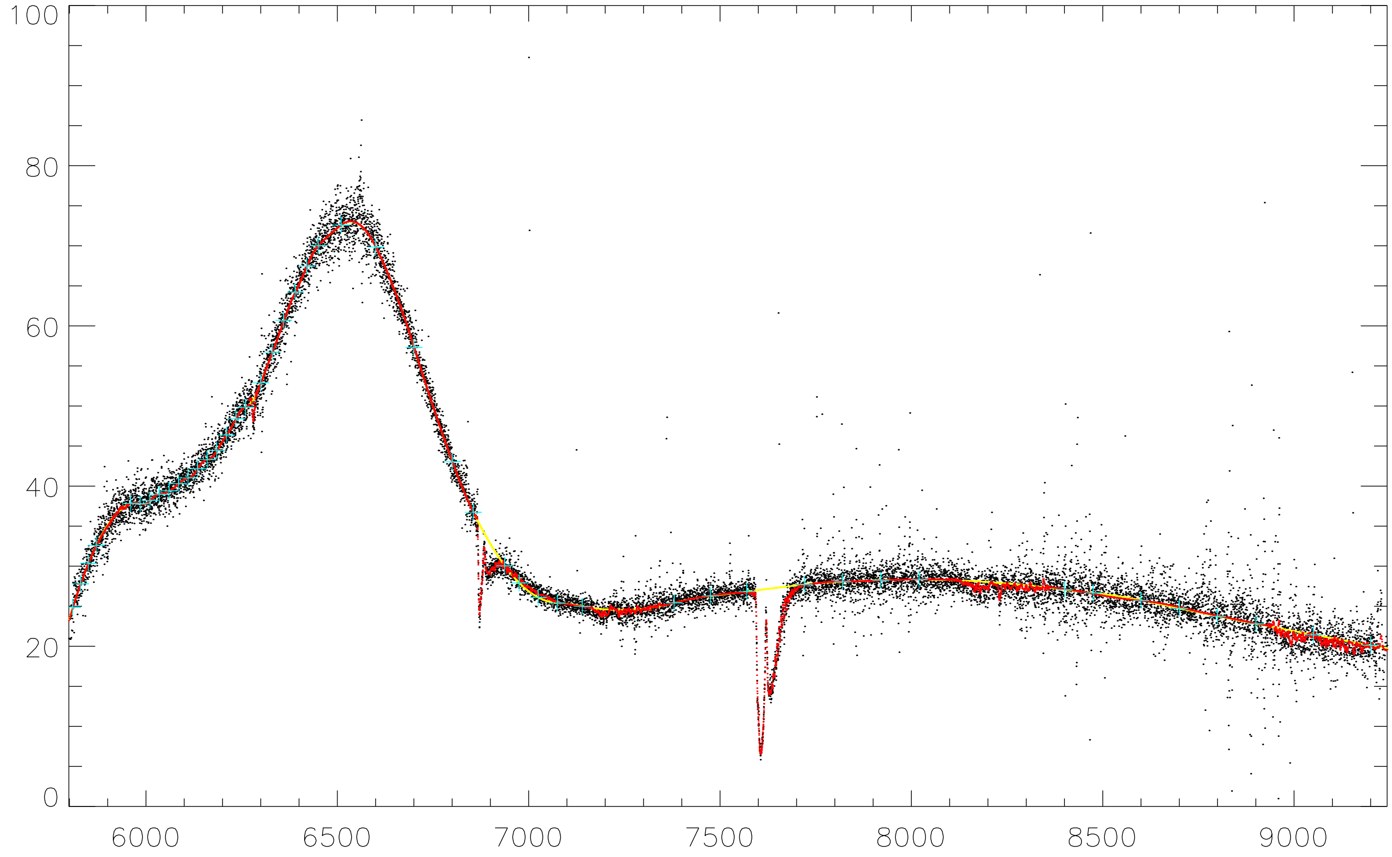
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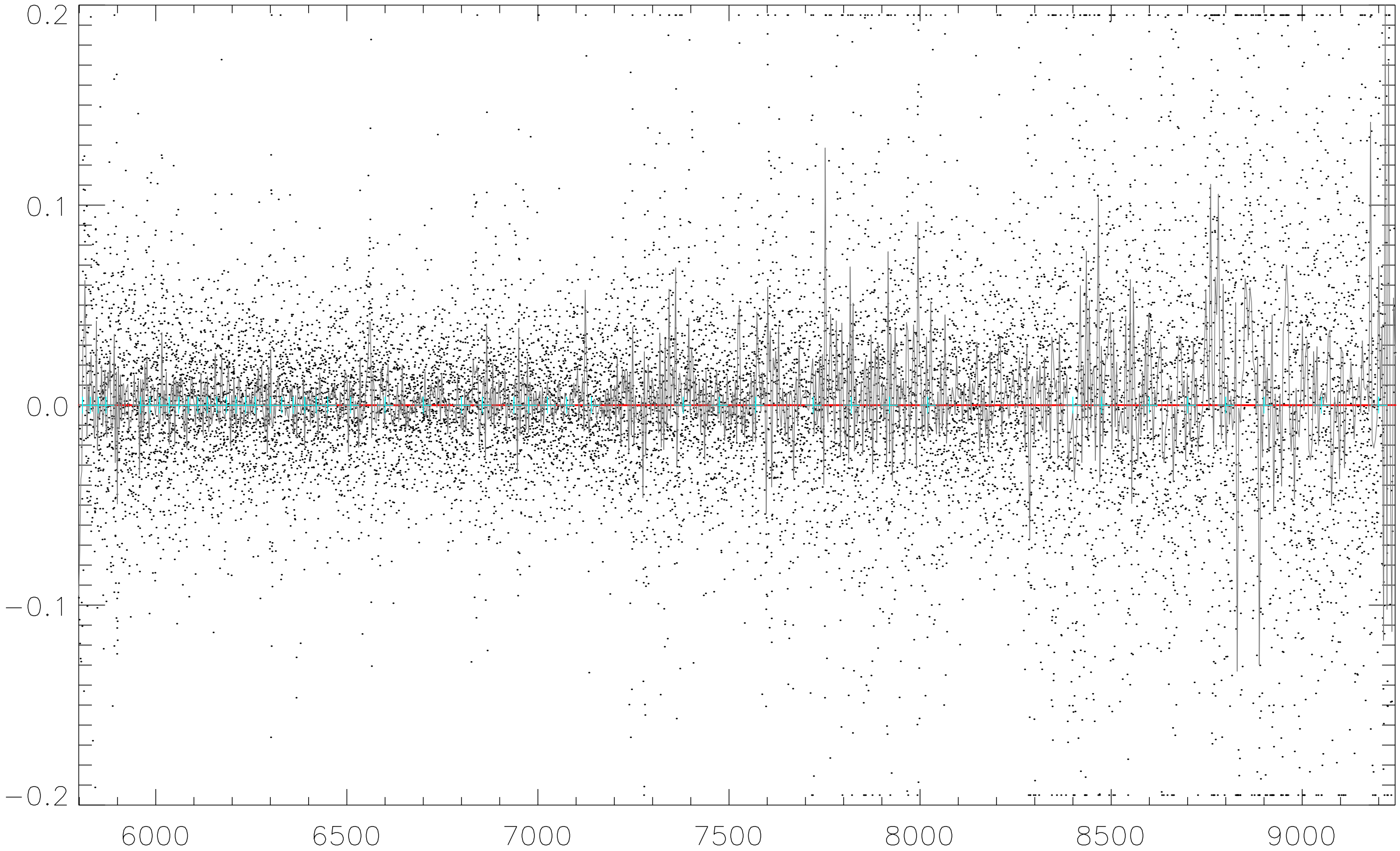
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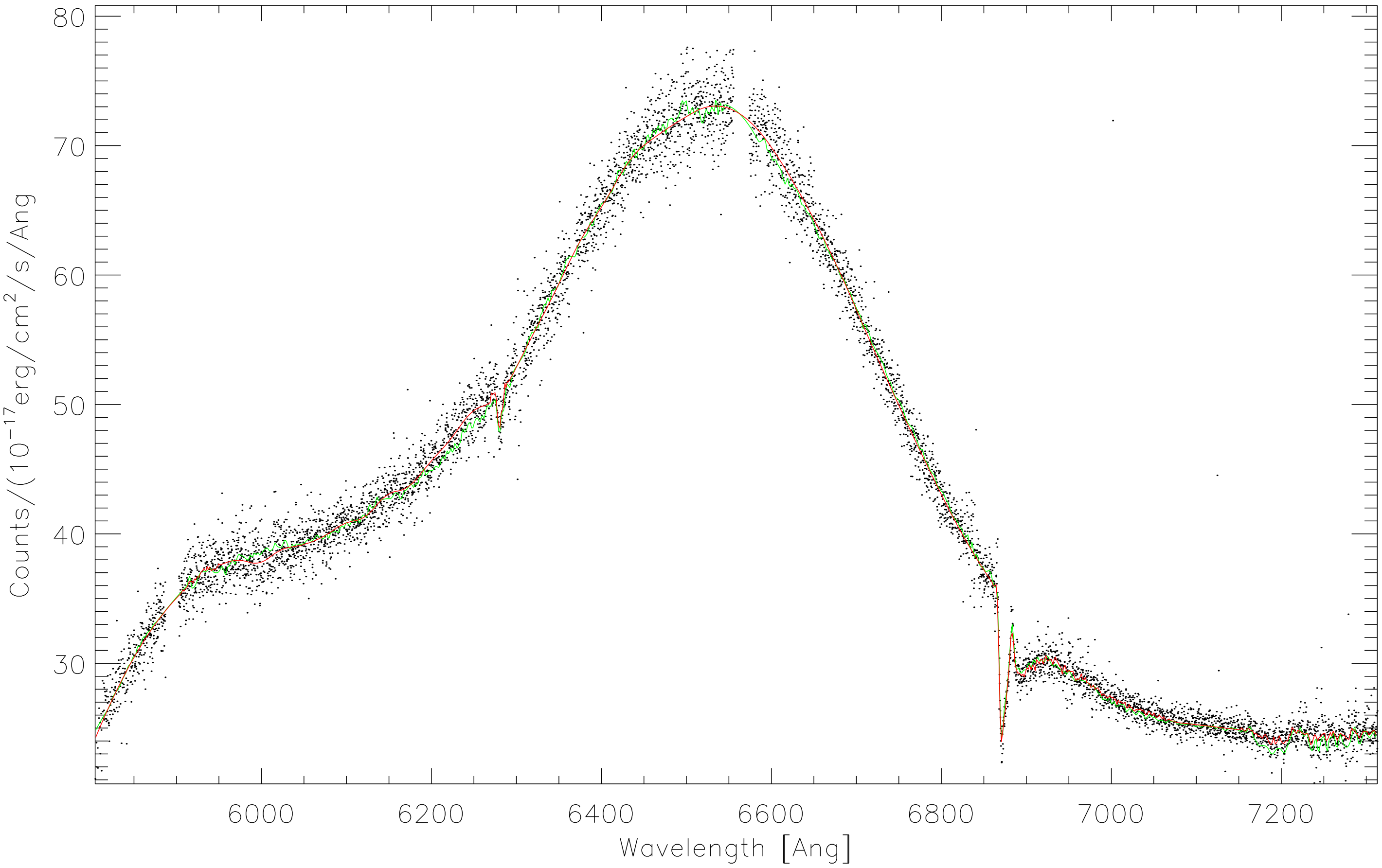

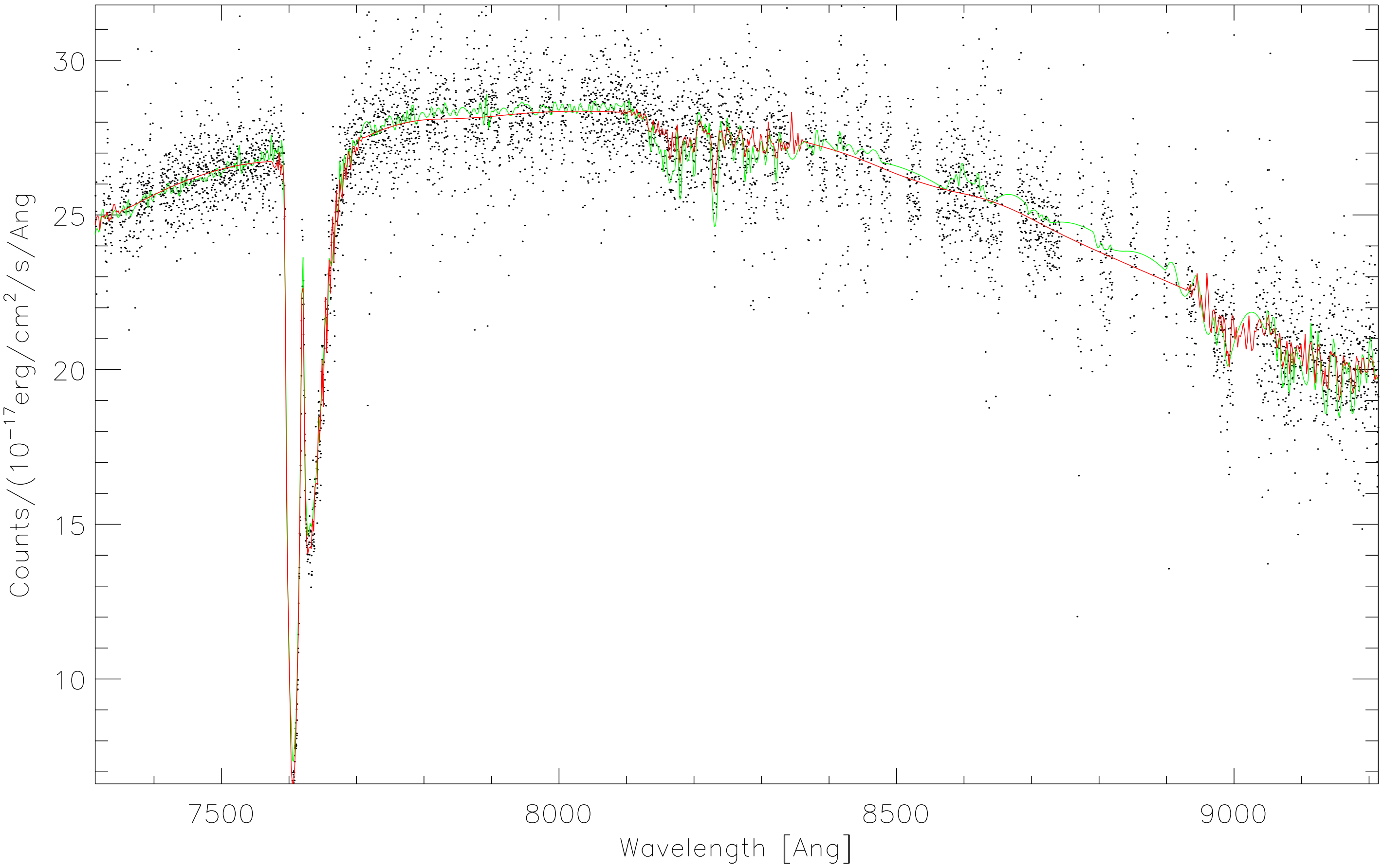

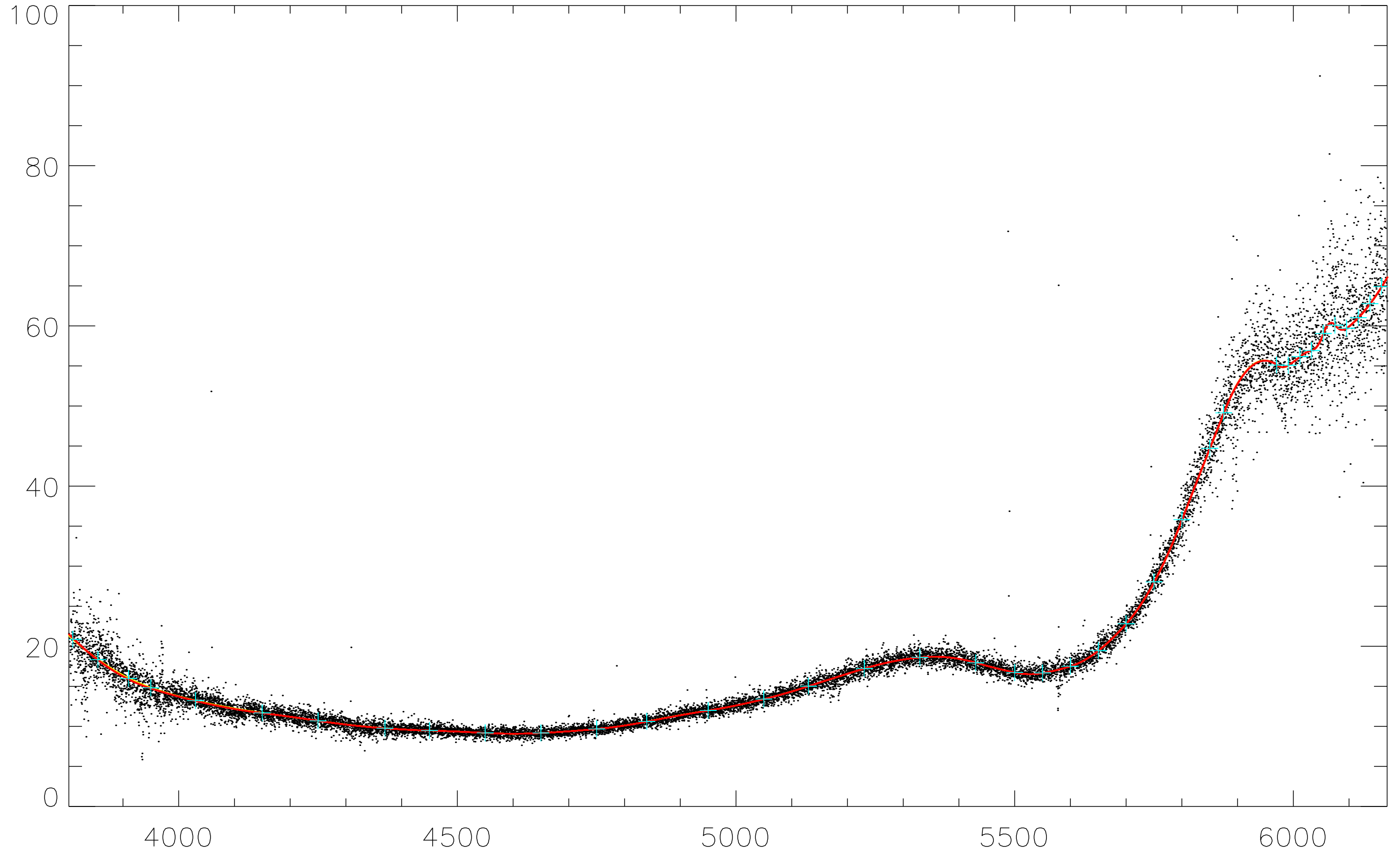
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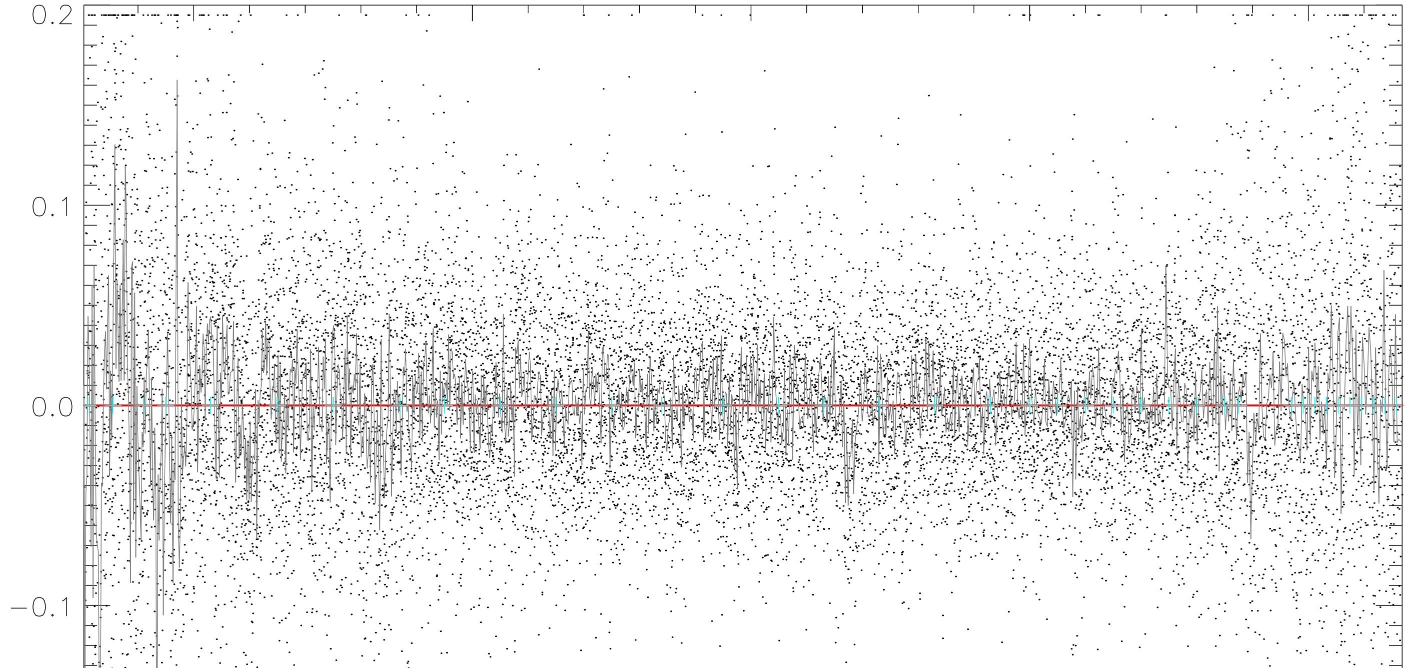
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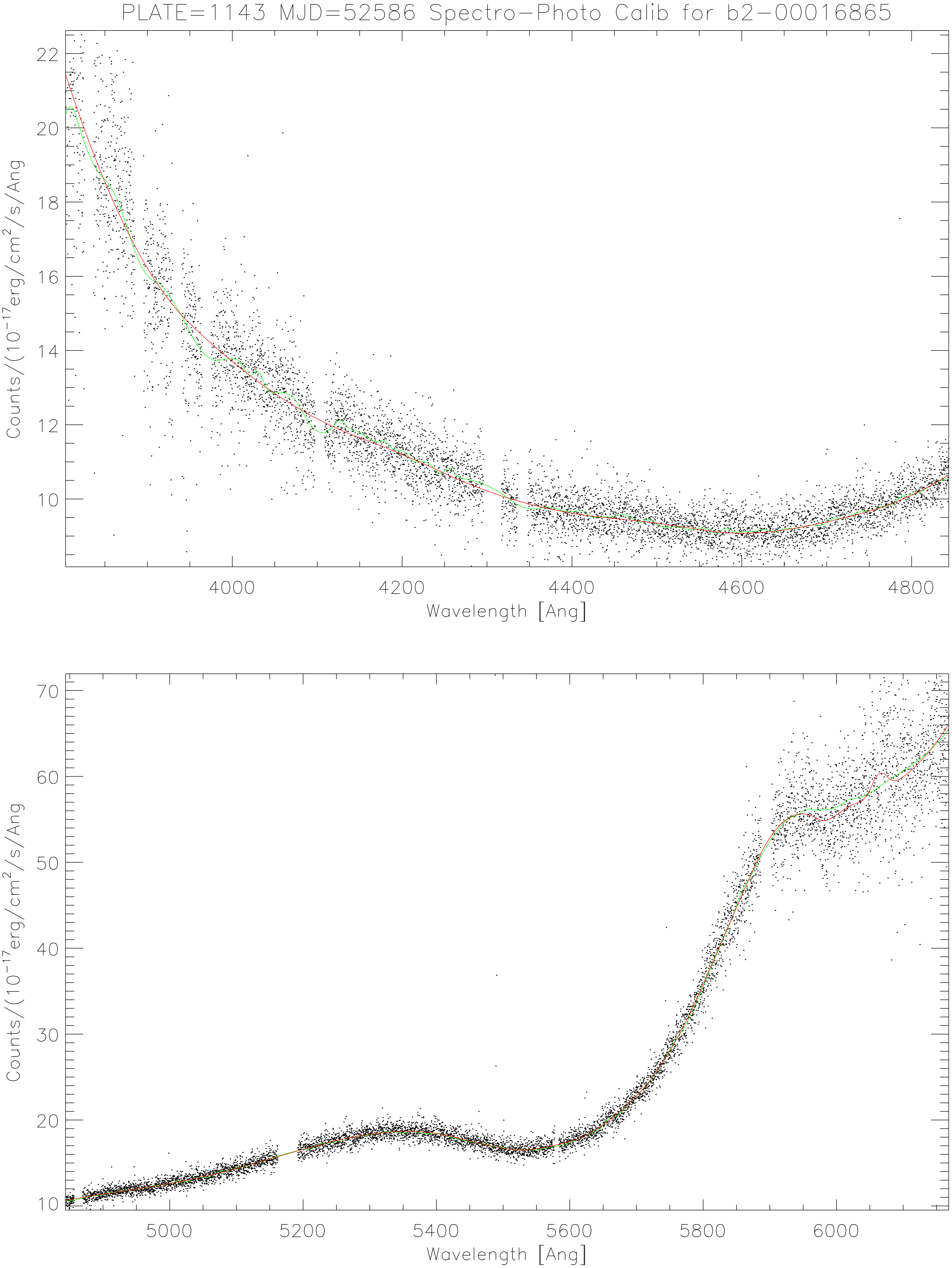
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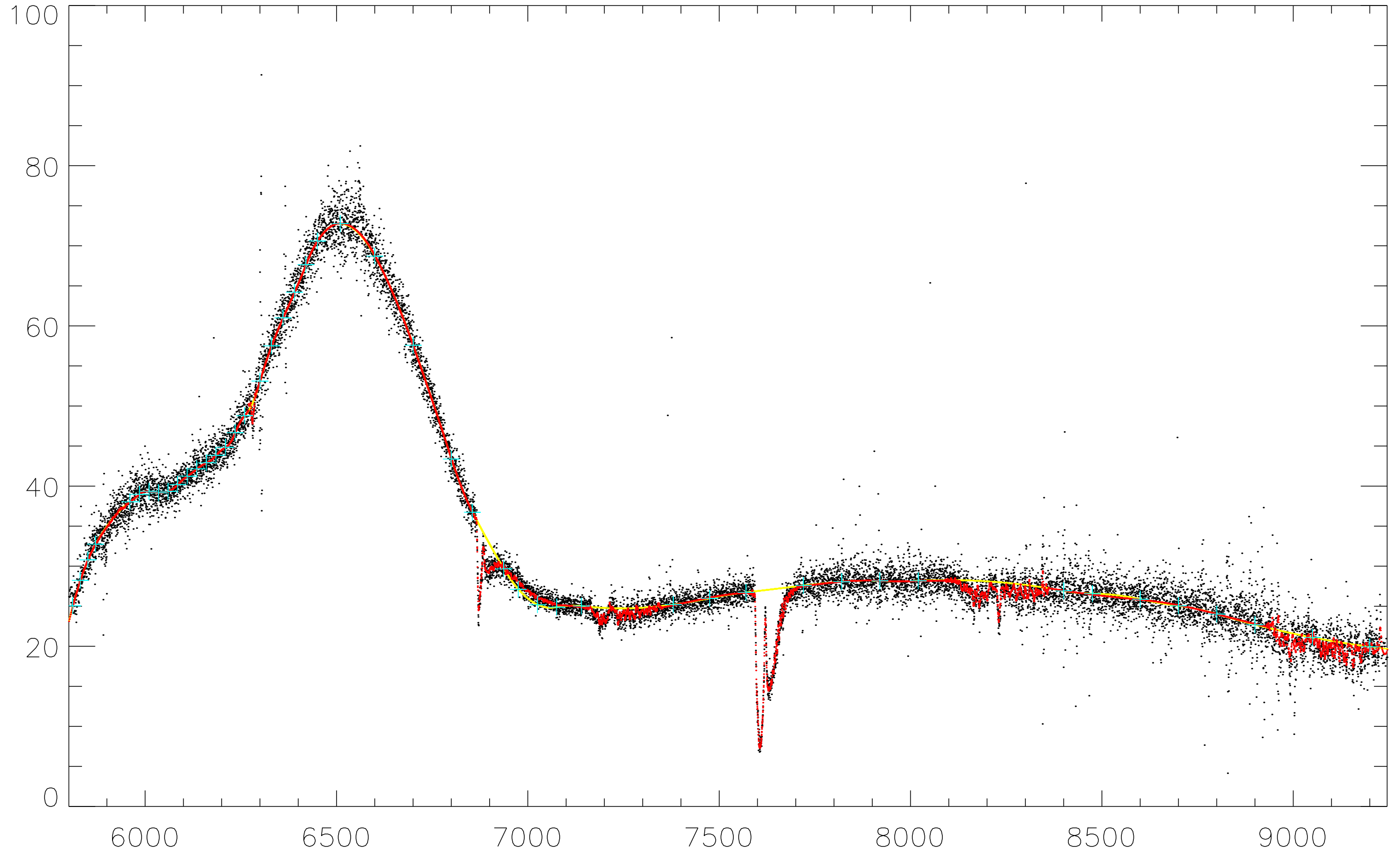
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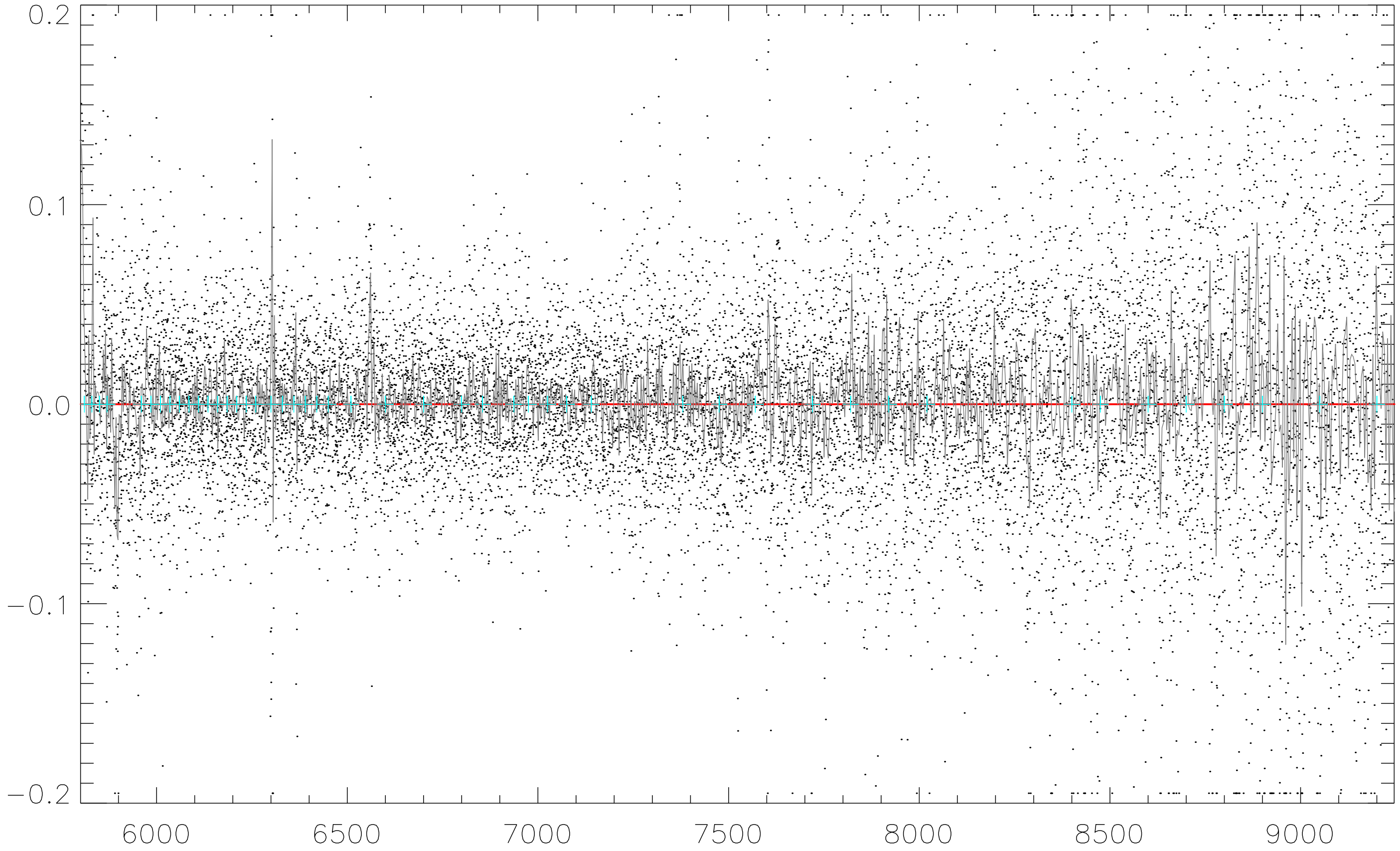
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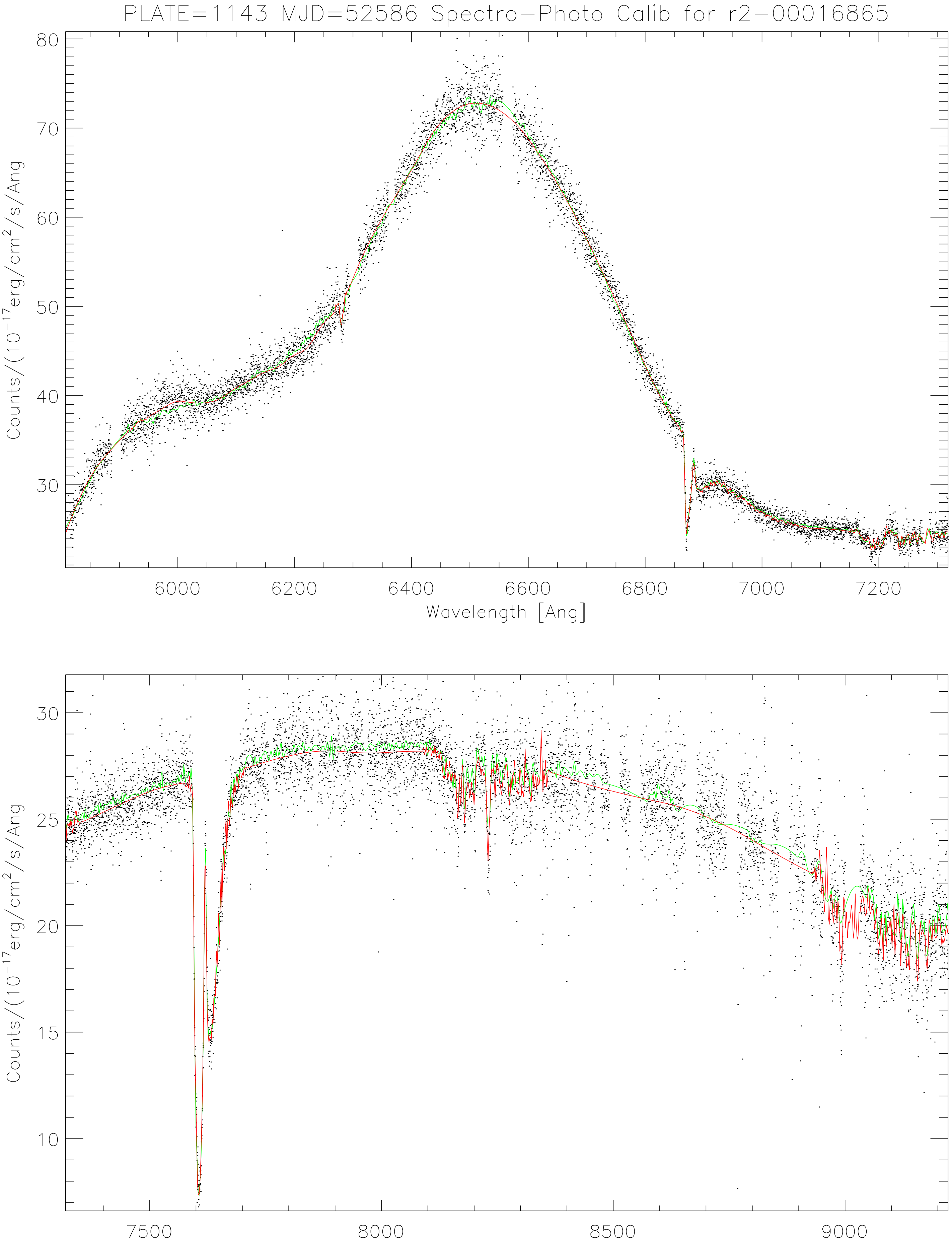
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6800
7000
7200
Wavelength [Ang]
Counts/(10^{-17}erg/cm^2/s/Ang
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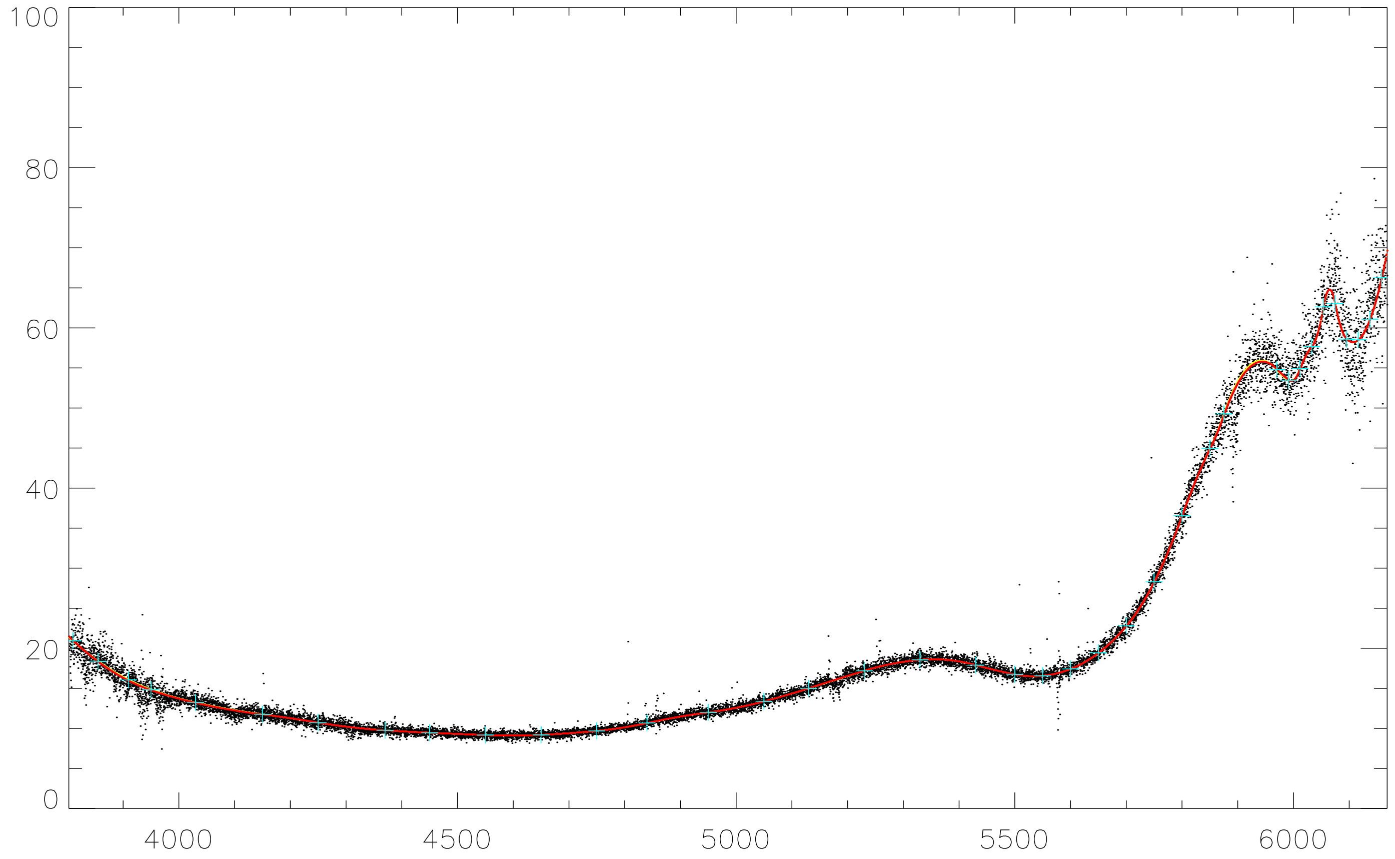
Wavelength [Ang]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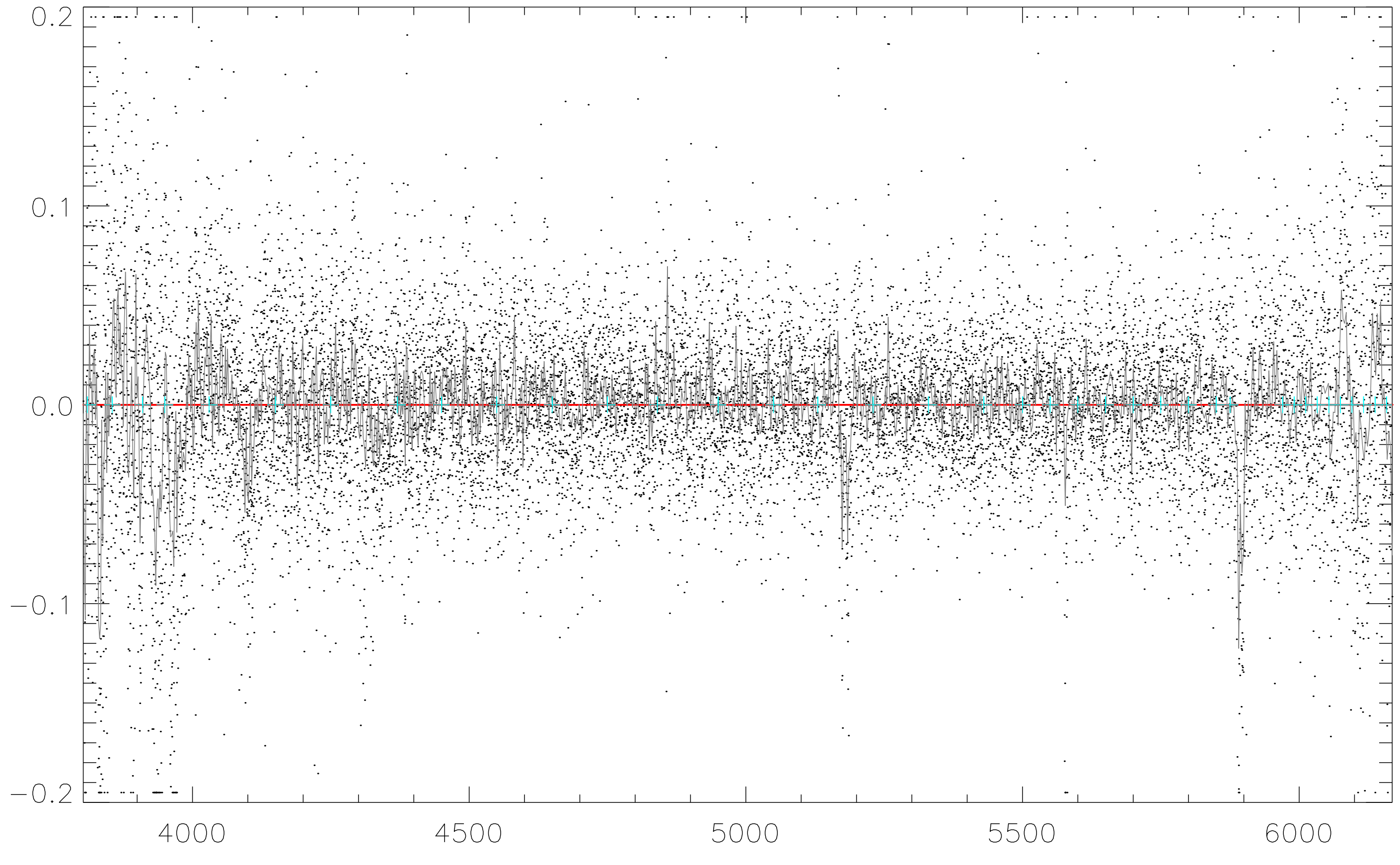
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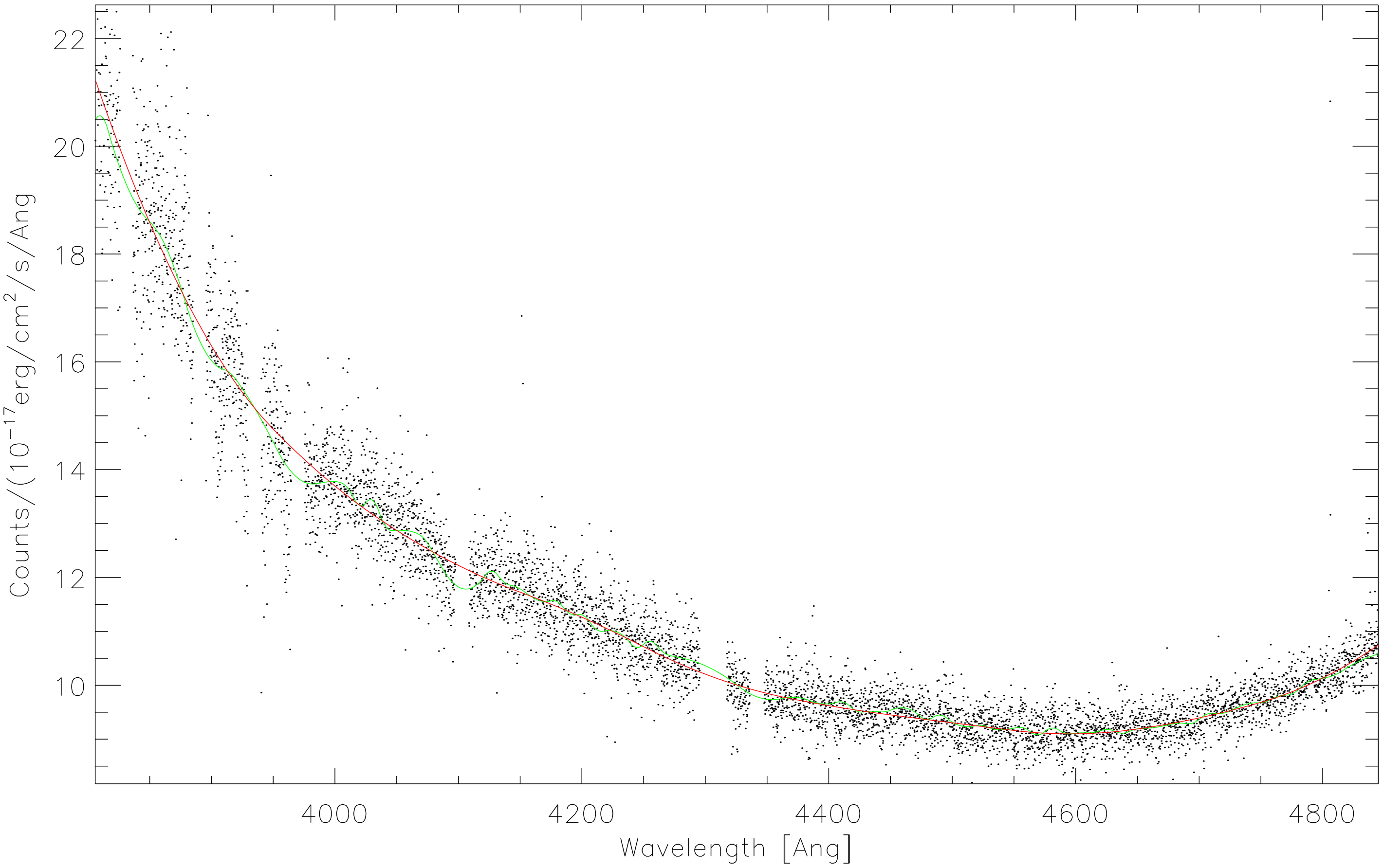

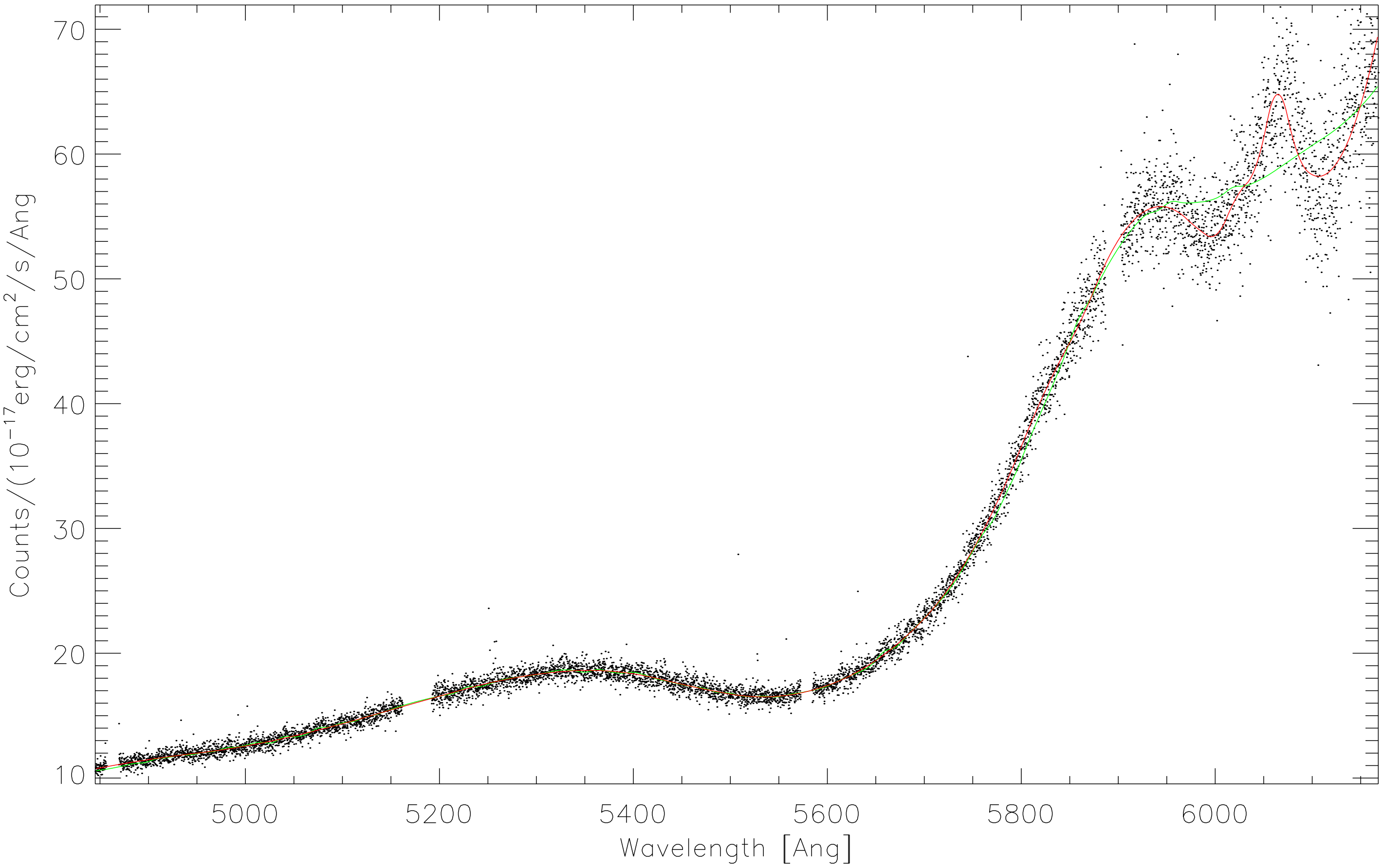

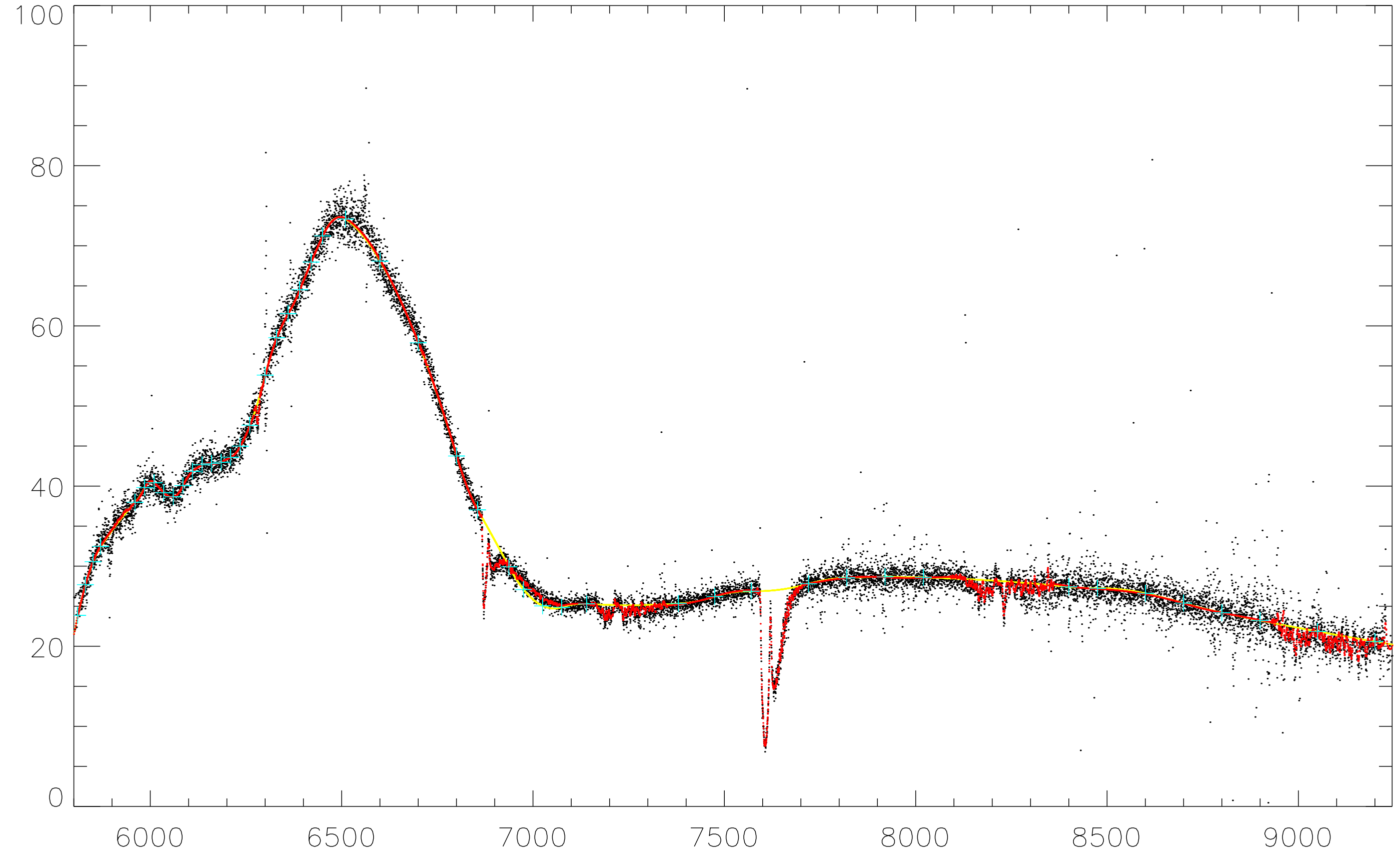
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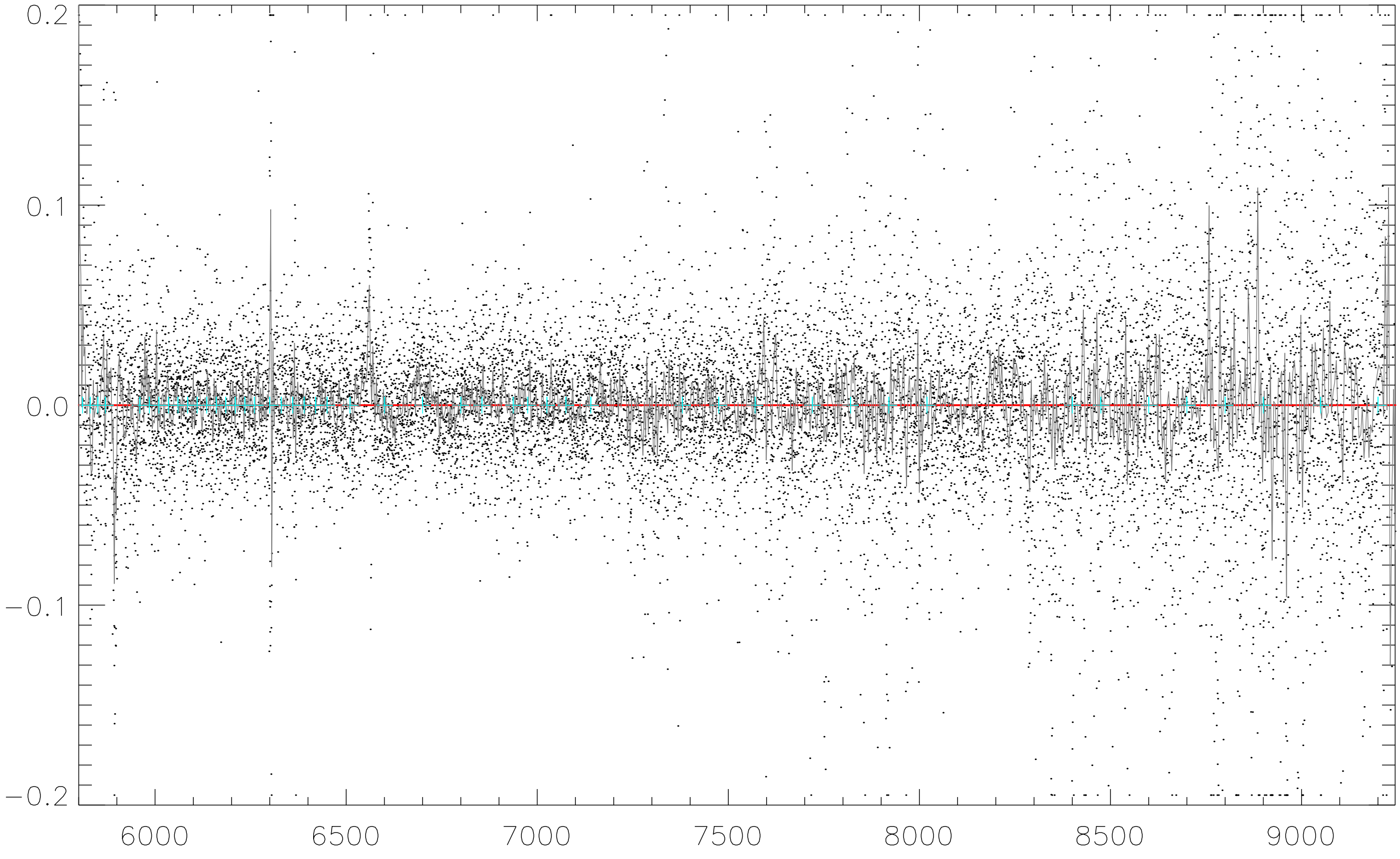
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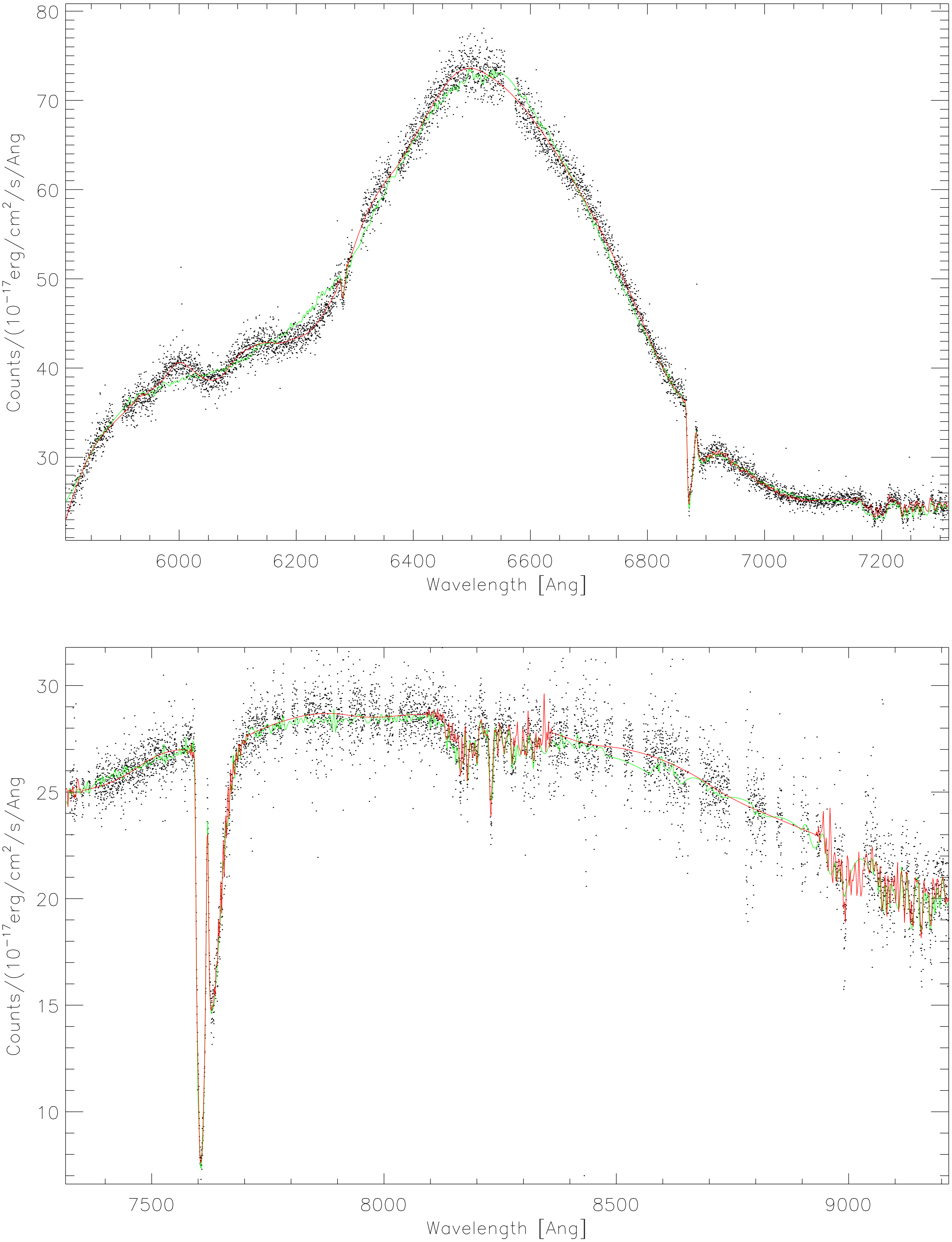PLATE=1143 MJD=52586 Spectro−Photo Calib for r2−00016866