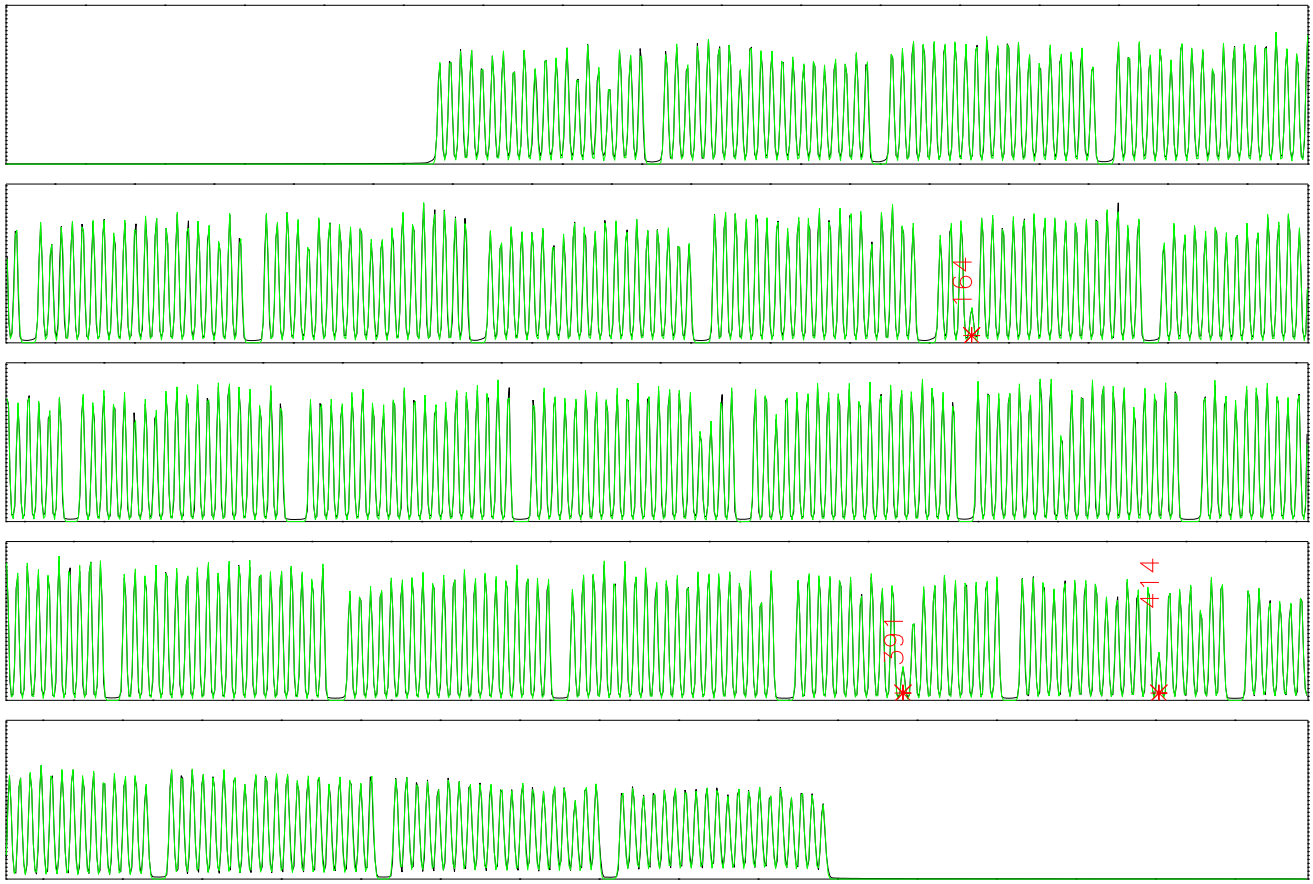
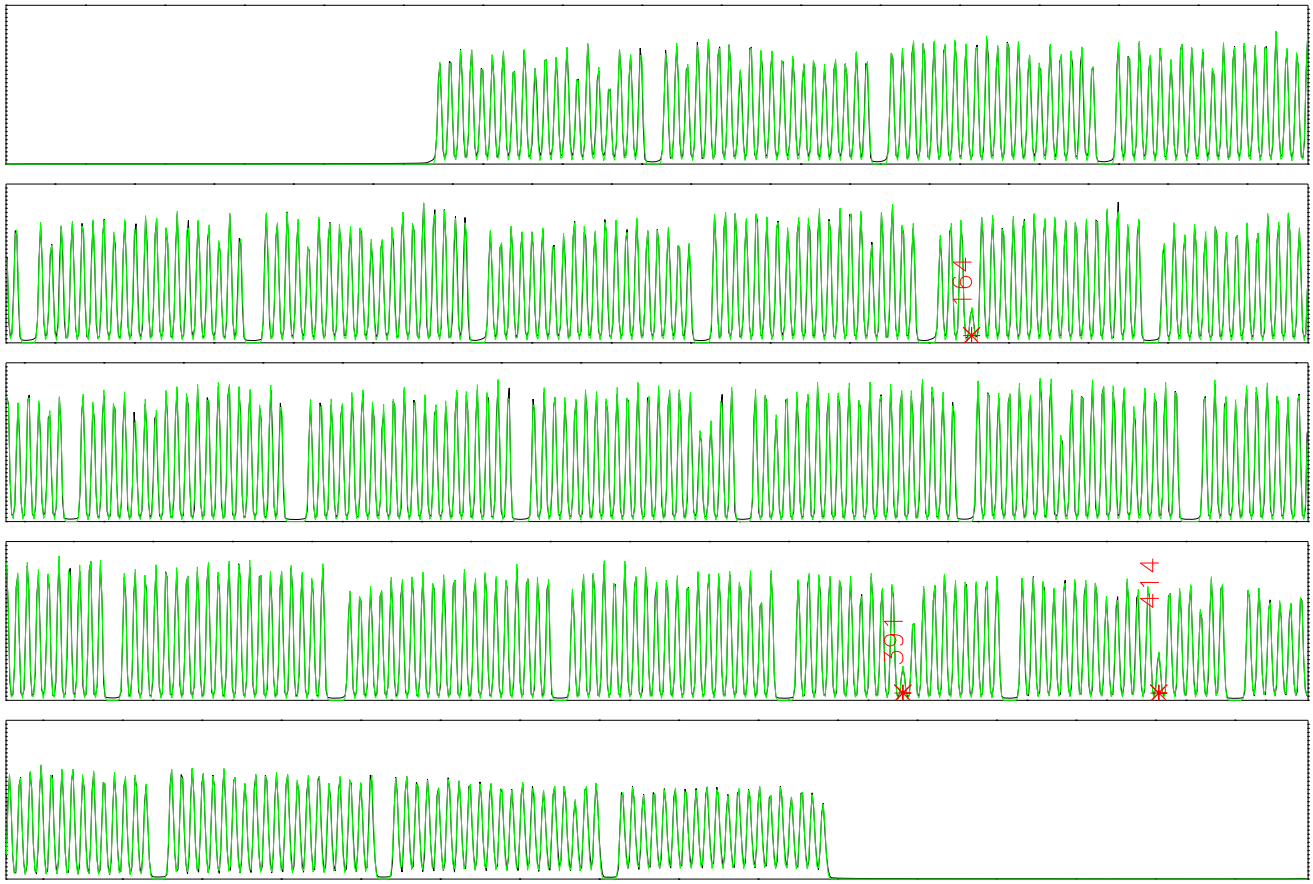
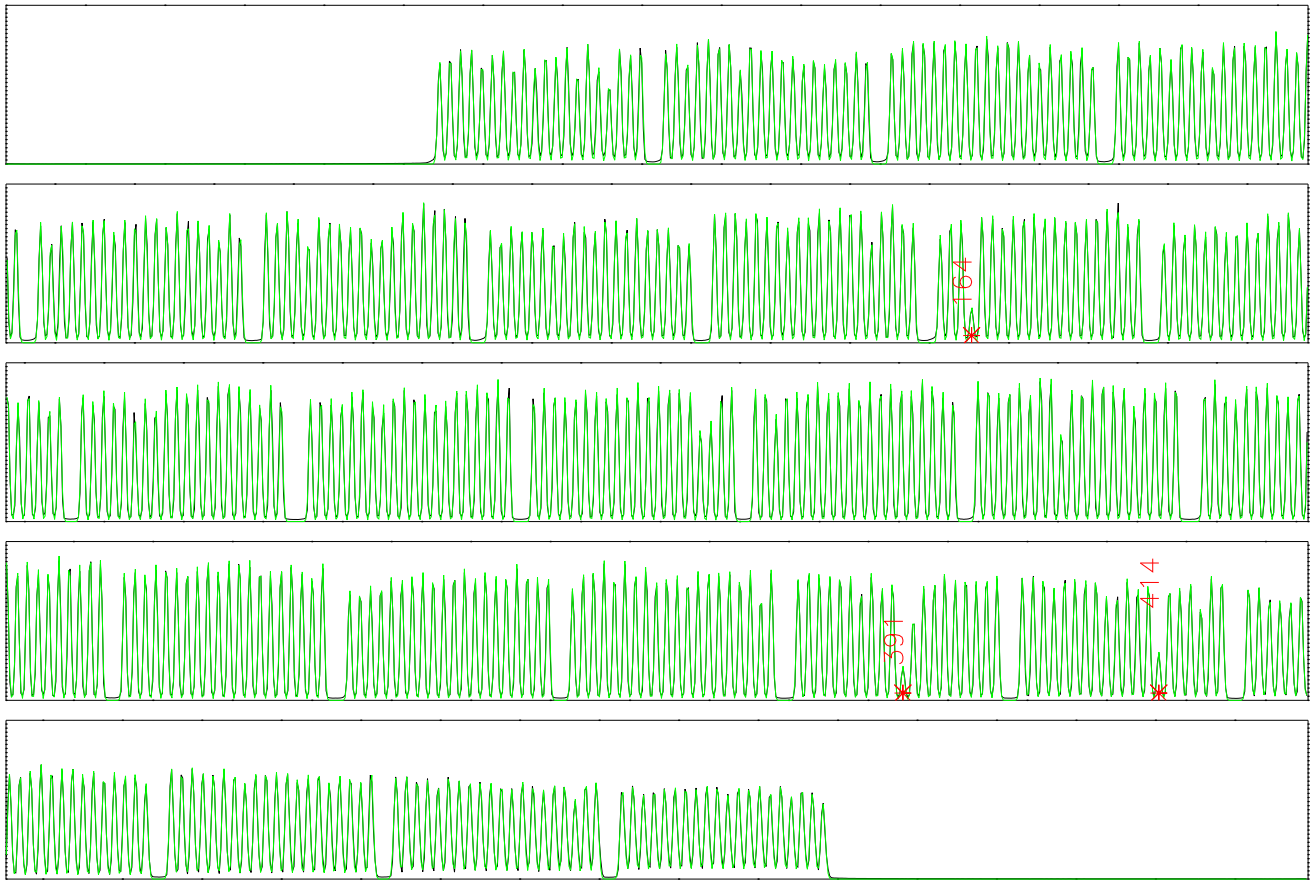
PLATE=3673 MJD=55152 Traces sdR-b1-00103744.fit



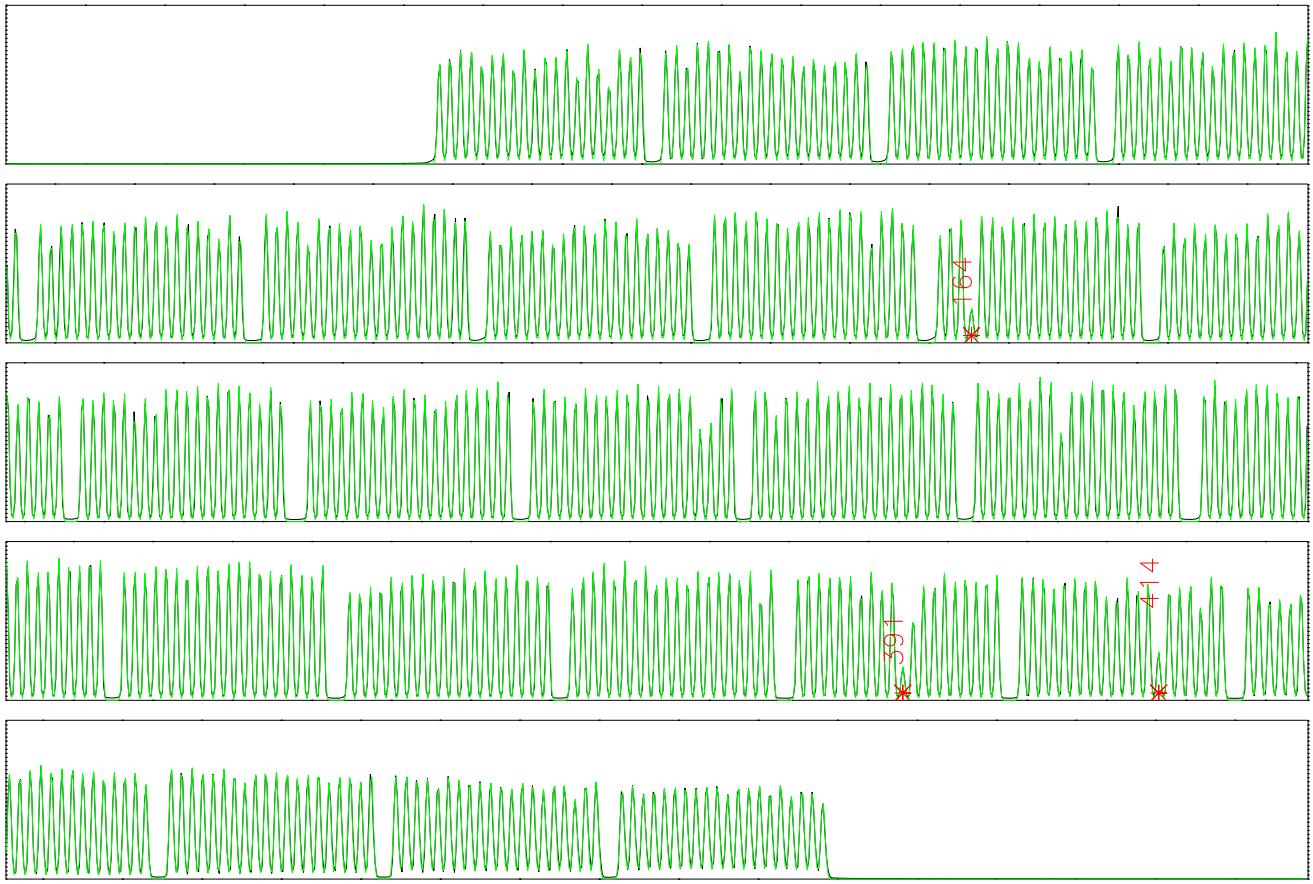
PLATE=3673 MJD=55152 Traces sdR-b1-00103745.fit



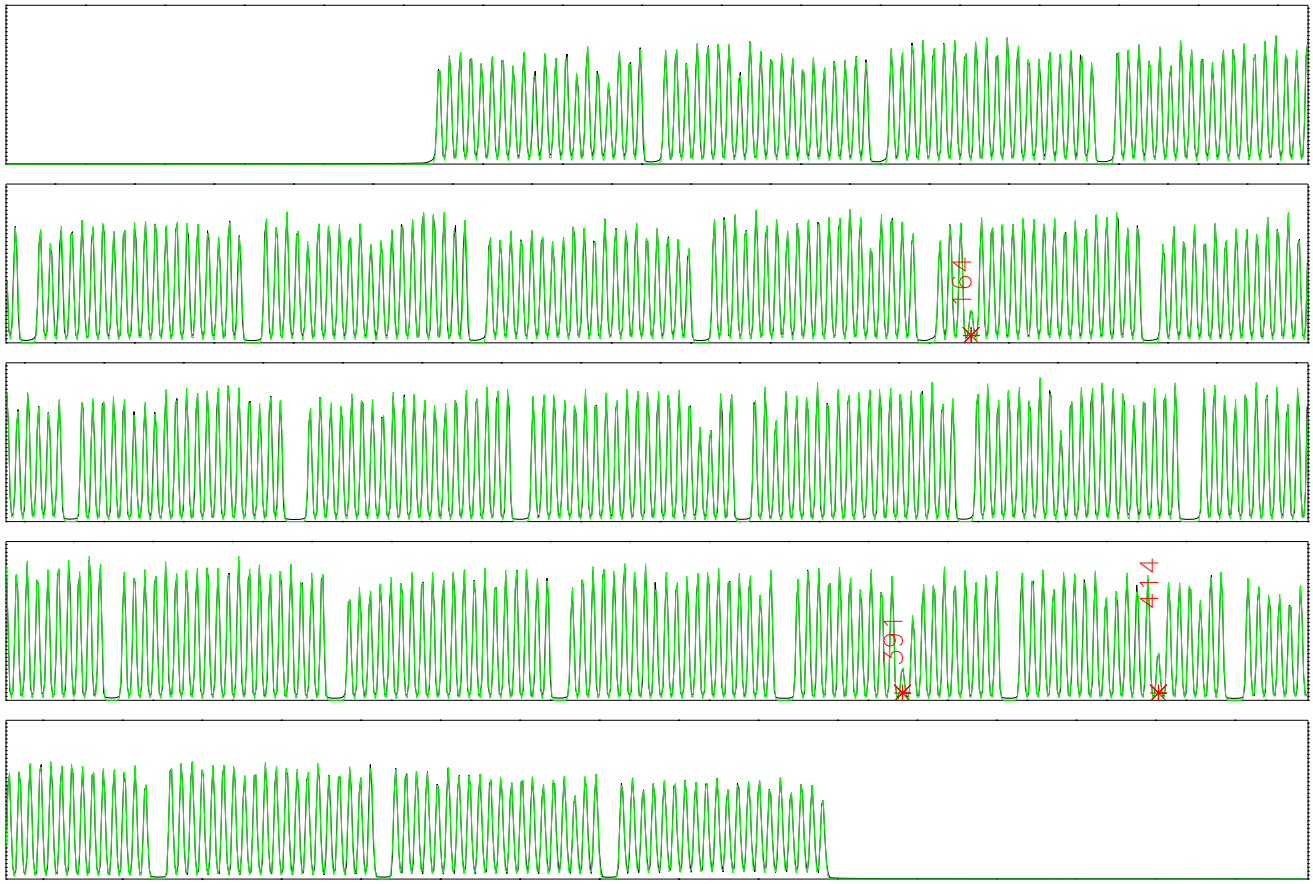
PLATE=3673 MJD=55152 Traces sdR-b1-00103747.fit

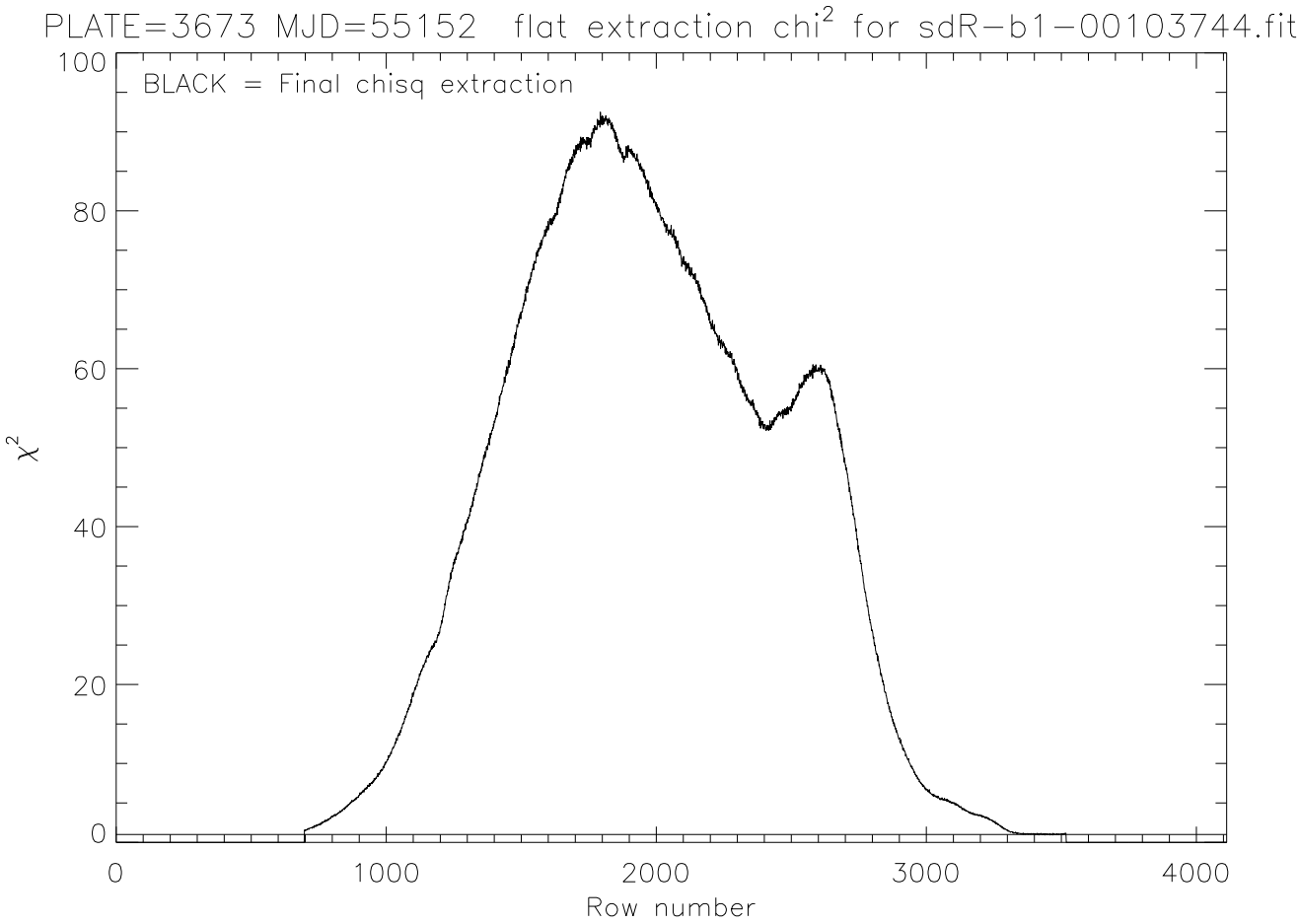


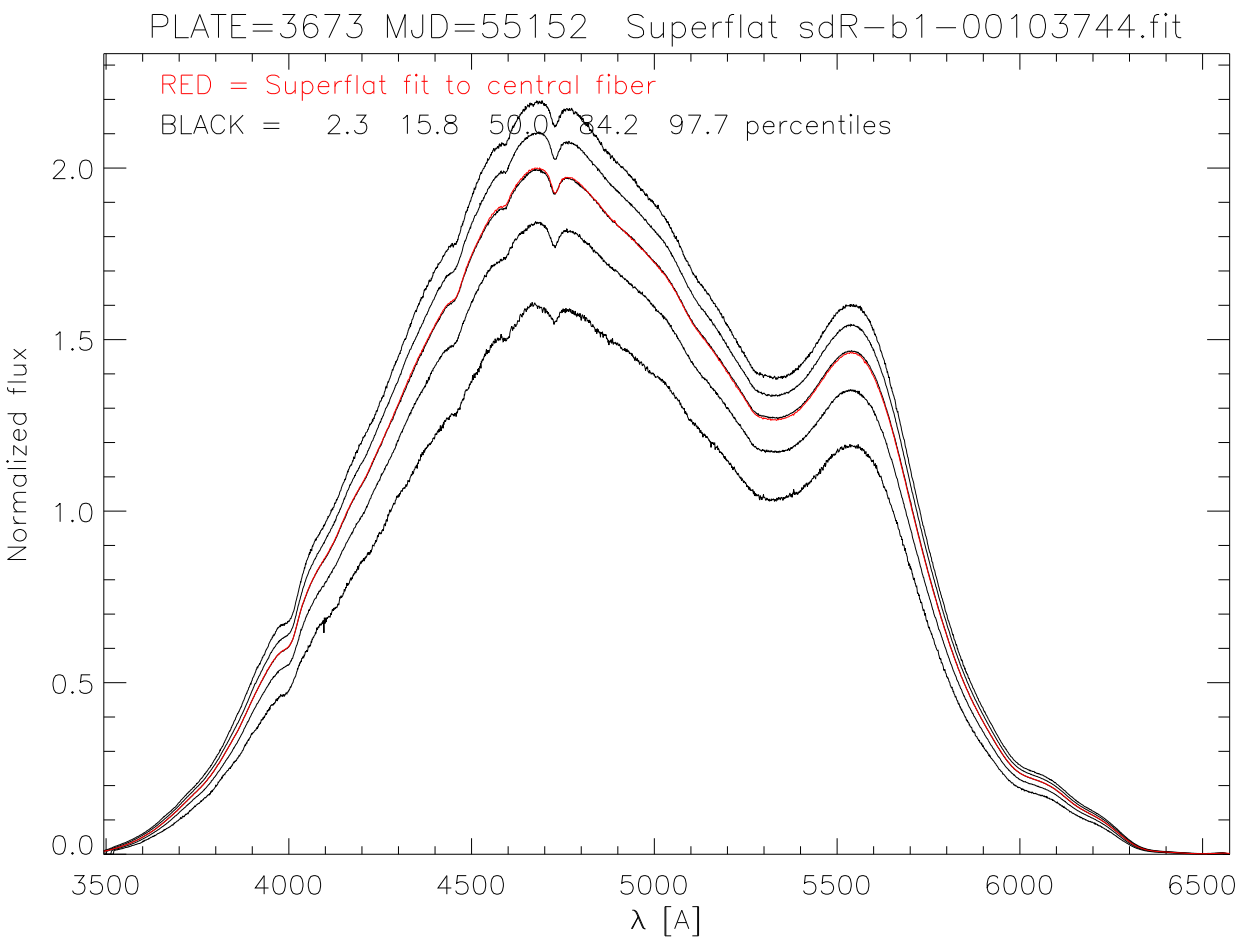
PLATE=3673 MJD=55152 Traces sdR-b1-00103751.fit

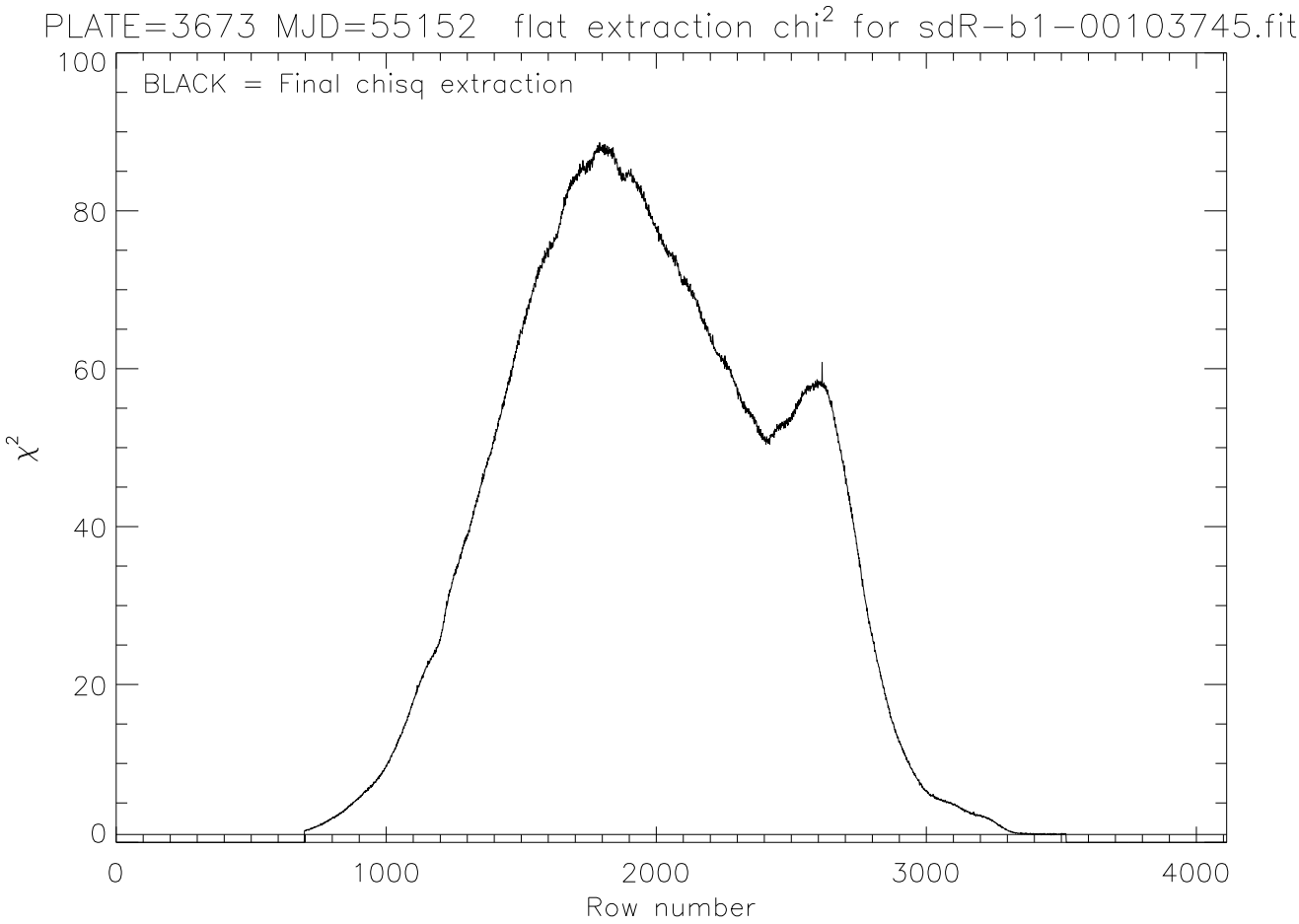


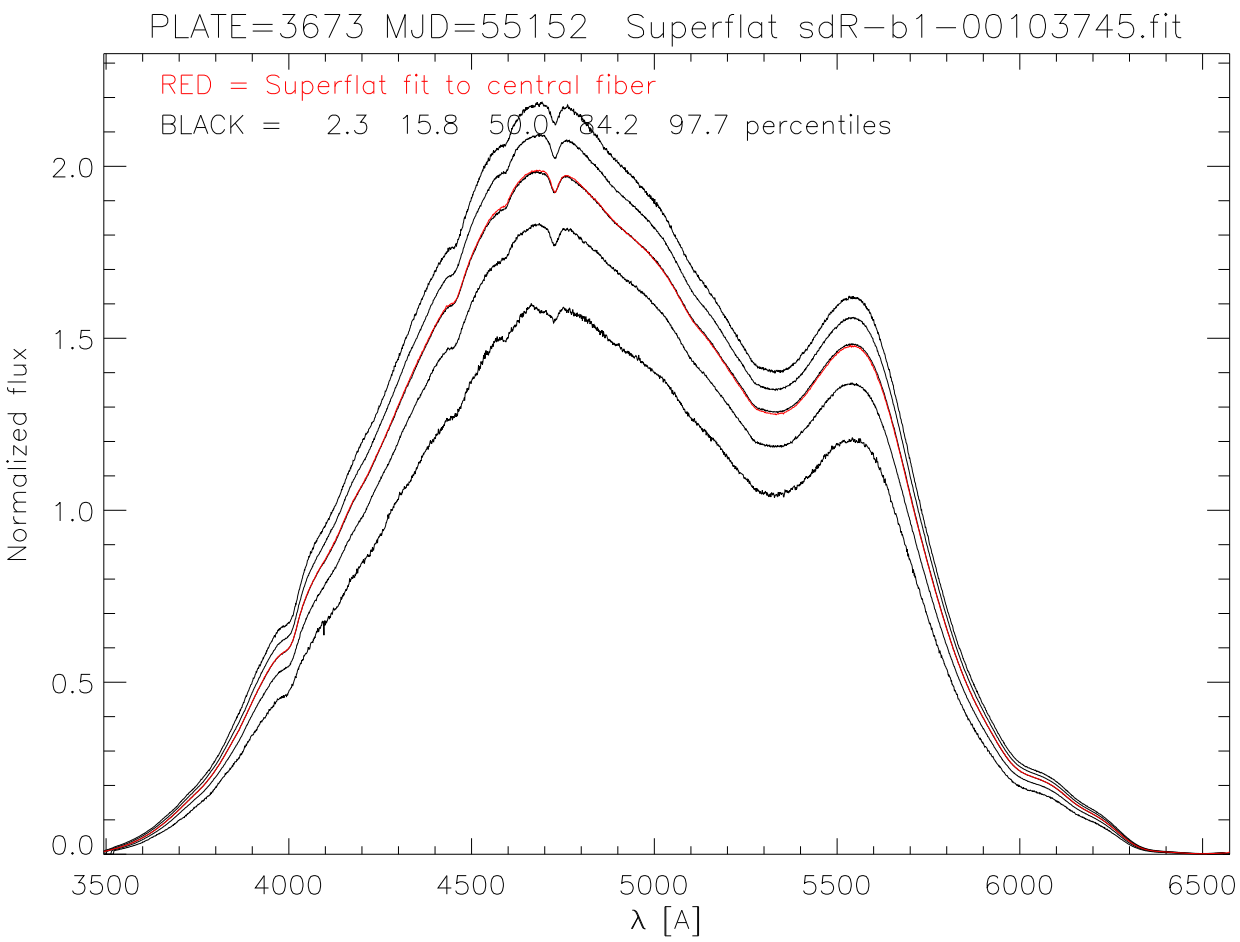
PLATE=3673 MJD=55152 Traces sdR-b1-00103756.fit

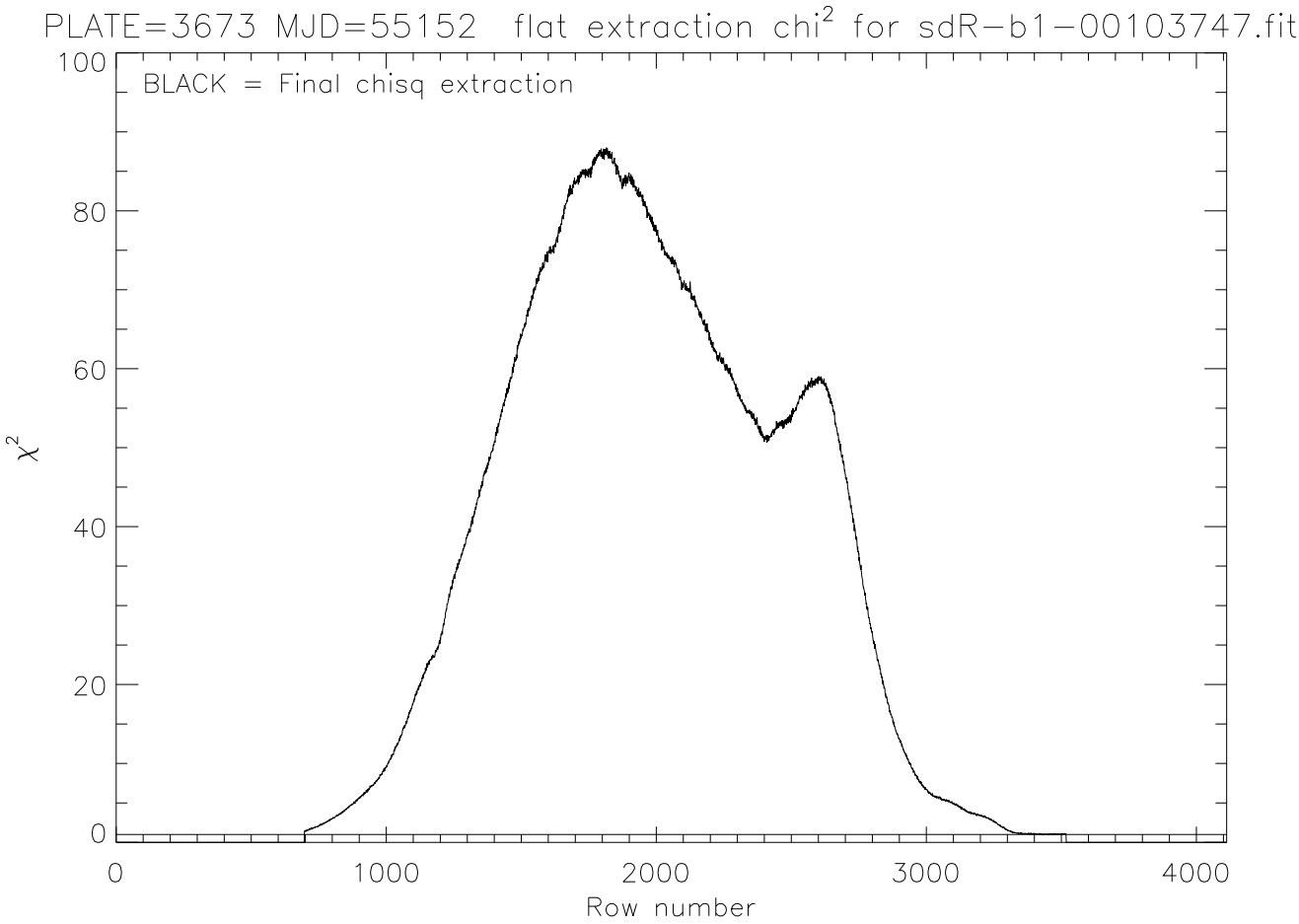


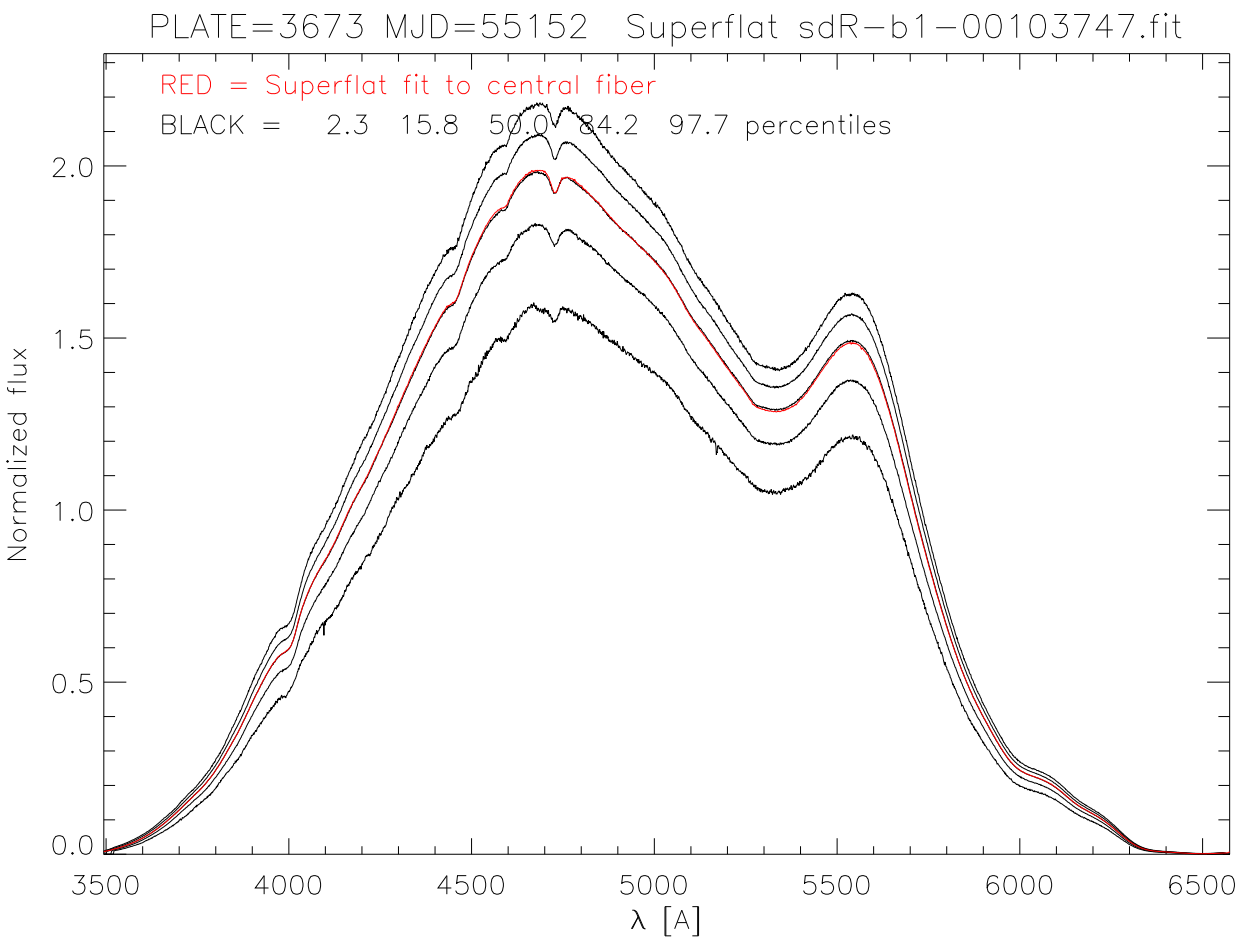

PLATE=3673 MJD=55152 flat extraction chi^2 for sdR−b1−00103744.fit
BLACK = Final chisq extraction
χ^2
0
20
40
60
80
100
0
1000
2000
3000
4000
Row number

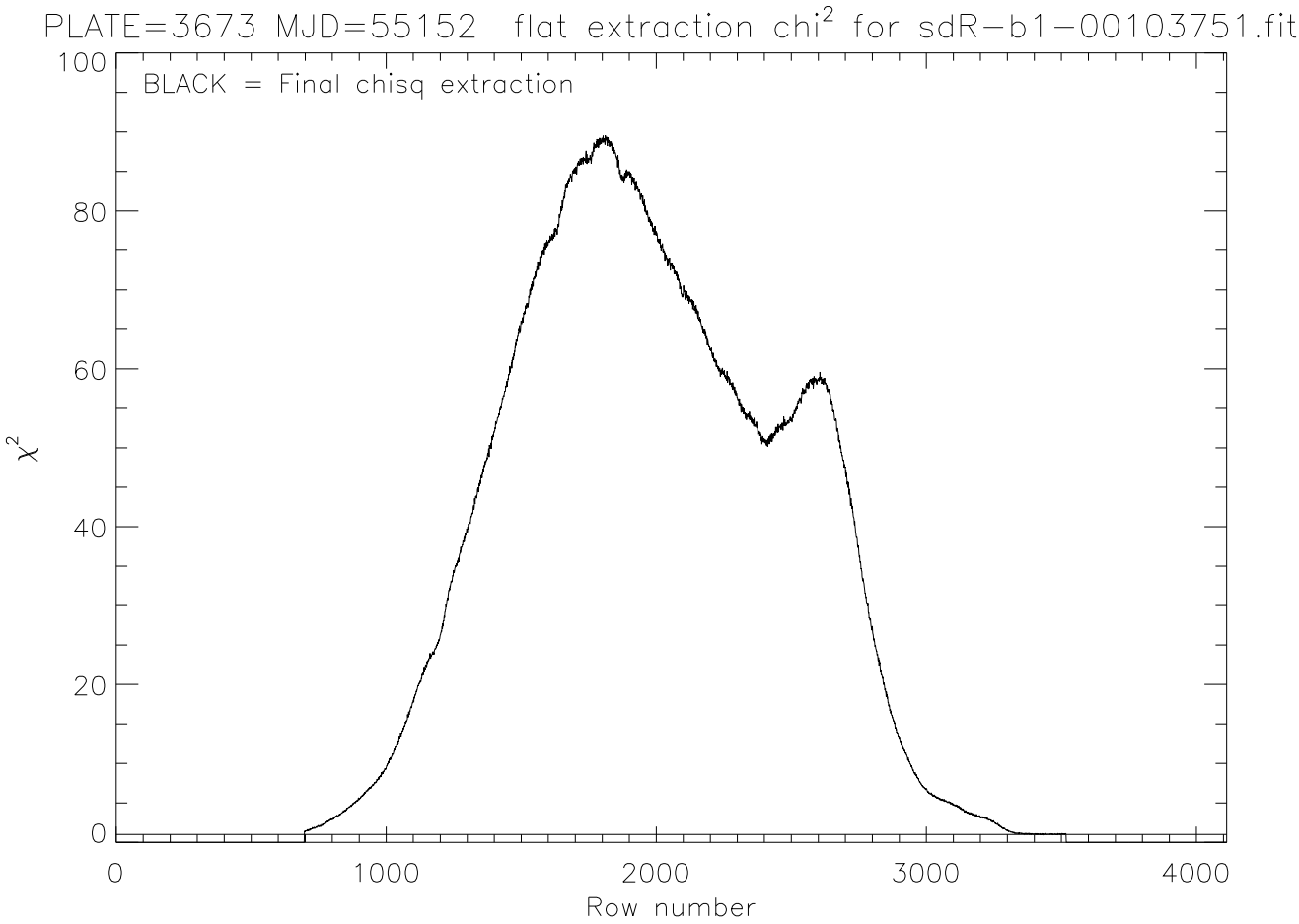

PLATE=3673 MJD=55152 Superflat sdR-b1-00103744.fit
RED = Superflat fit to central fiber
BLACK = 2.3 15.8 50.0 84.2 97.7 percentiles
Normalized flux
0.0
0.5
1.0
1.5
2.0
3500
4000
4500
5000
5500
6000
6500
λ [A]

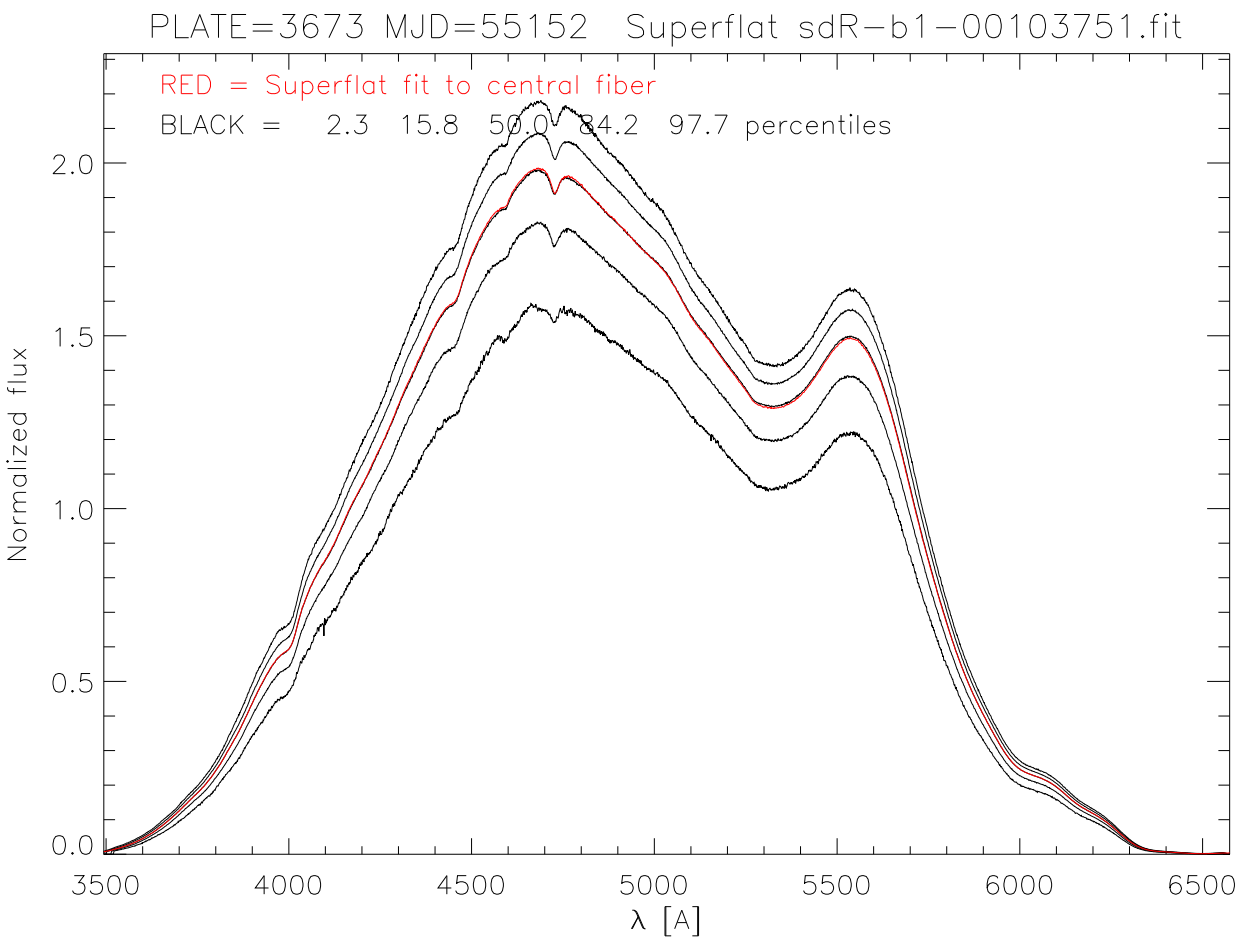

PLATE=3673 MJD=55152 flat extraction chi^2 for sdR−b1−00103745.fit
BLACK = Final chisq extraction
χ^2
0
20
40
60
80
100
0
1000
2000
3000
4000
Row number

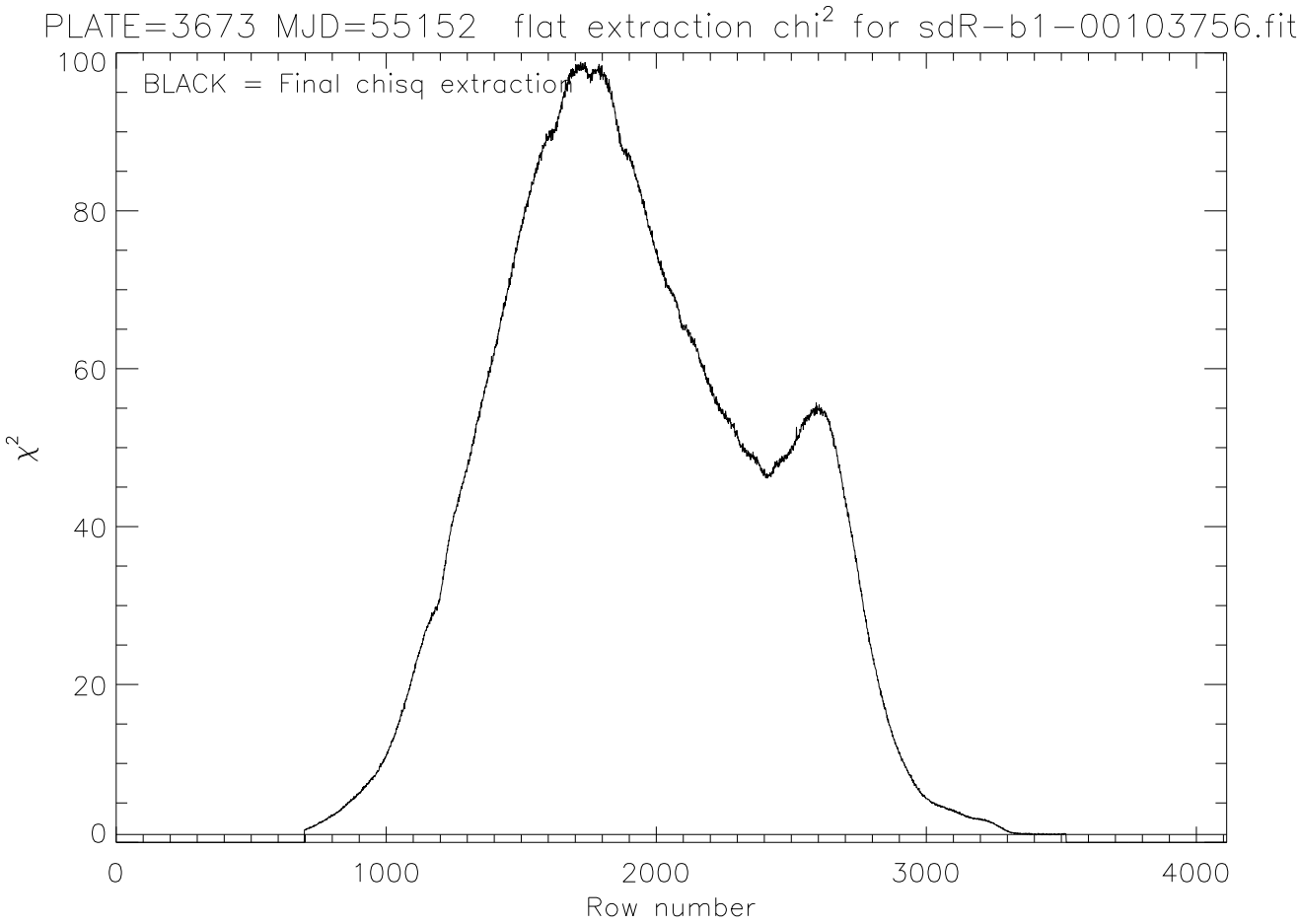

PLATE=3673 MJD=55152 Superflat sdR-b1-00103745.fit
RED = Superflat fit to central fiber
BLACK = 2.3 15.8 50.0 84.2 97.7 percentiles
Normalized flux
0.0
0.5
1.0
1.5
2.0
3500
4000
4500
5000
5500
6000
6500
λ [A]

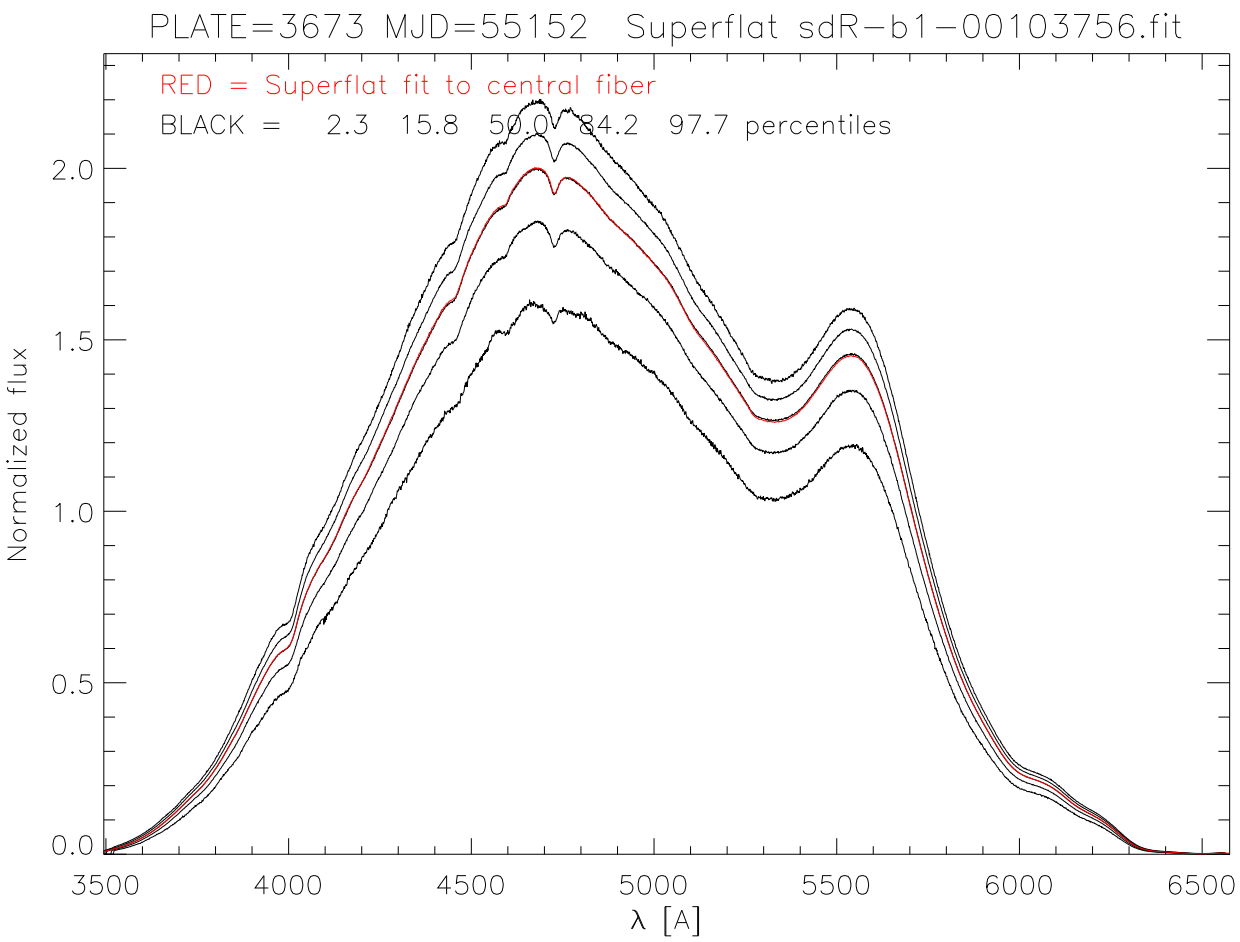

PLATE=3673 MJD=55152 flat extraction chi^2 for sdR−b1−00103747.fit
BLACK = Final chisq extraction
χ^2
0
20
40
60
80
100
0
1000
2000
3000
4000
Row number

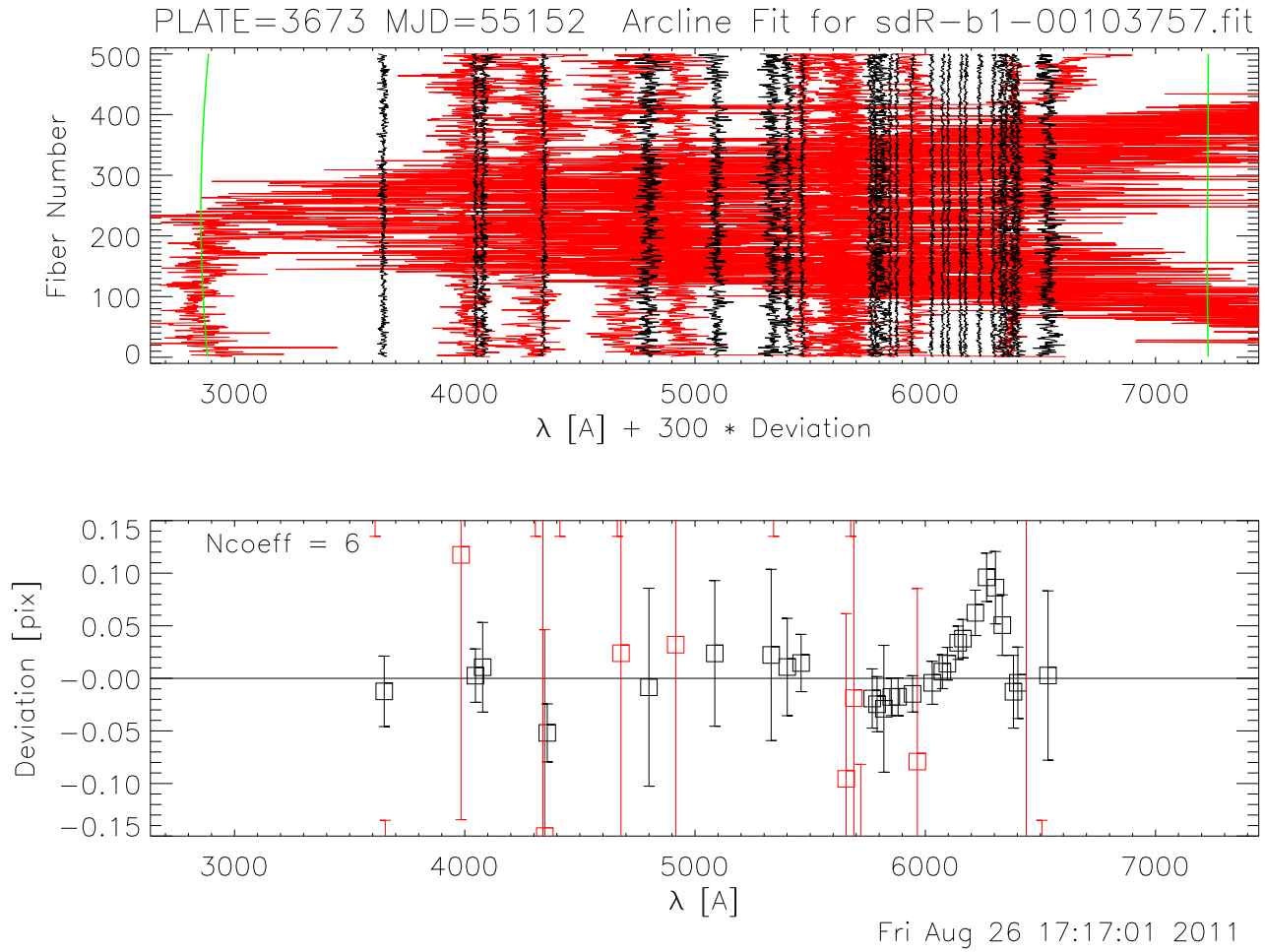

PLATE=3673 MJD=55152 Superflat sdR-b1-00103747.fit
RED = Superflat fit to central fiber
BLACK = 2.3 15.8 50.0 84.2 97.7 percentiles
Normalized flux
0.0
0.5
1.0
1.5
2.0
3500
4000
4500
5000
5500
6000
6500
λ [A]

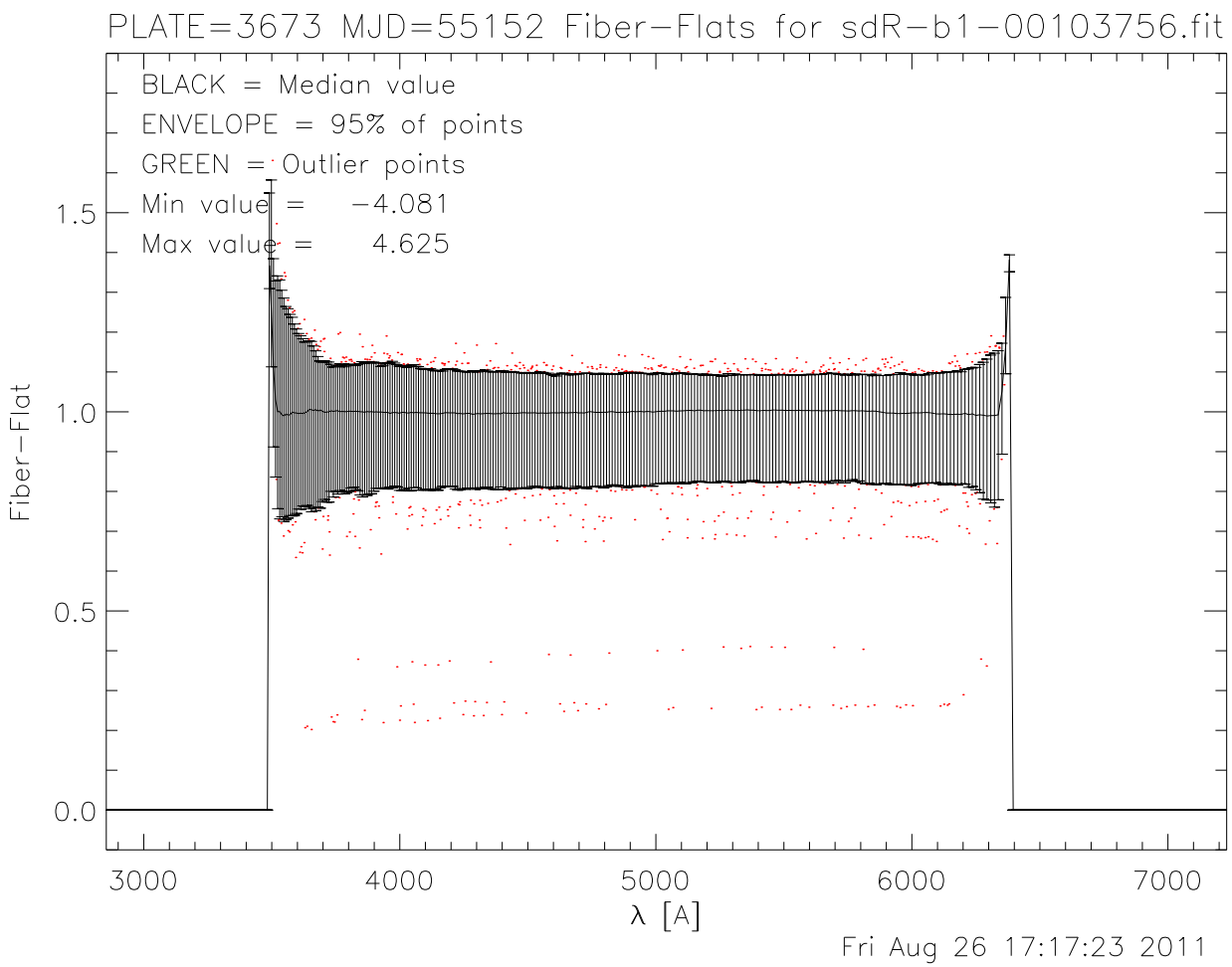

PLATE=3673 MJD=55152 flat extraction chi^2 for sdR−b1−00103751.fit
BLACK = Final chisq extraction
χ^2
Row number
0
20
40
60
80
100
0
1000
2000
3000
4000

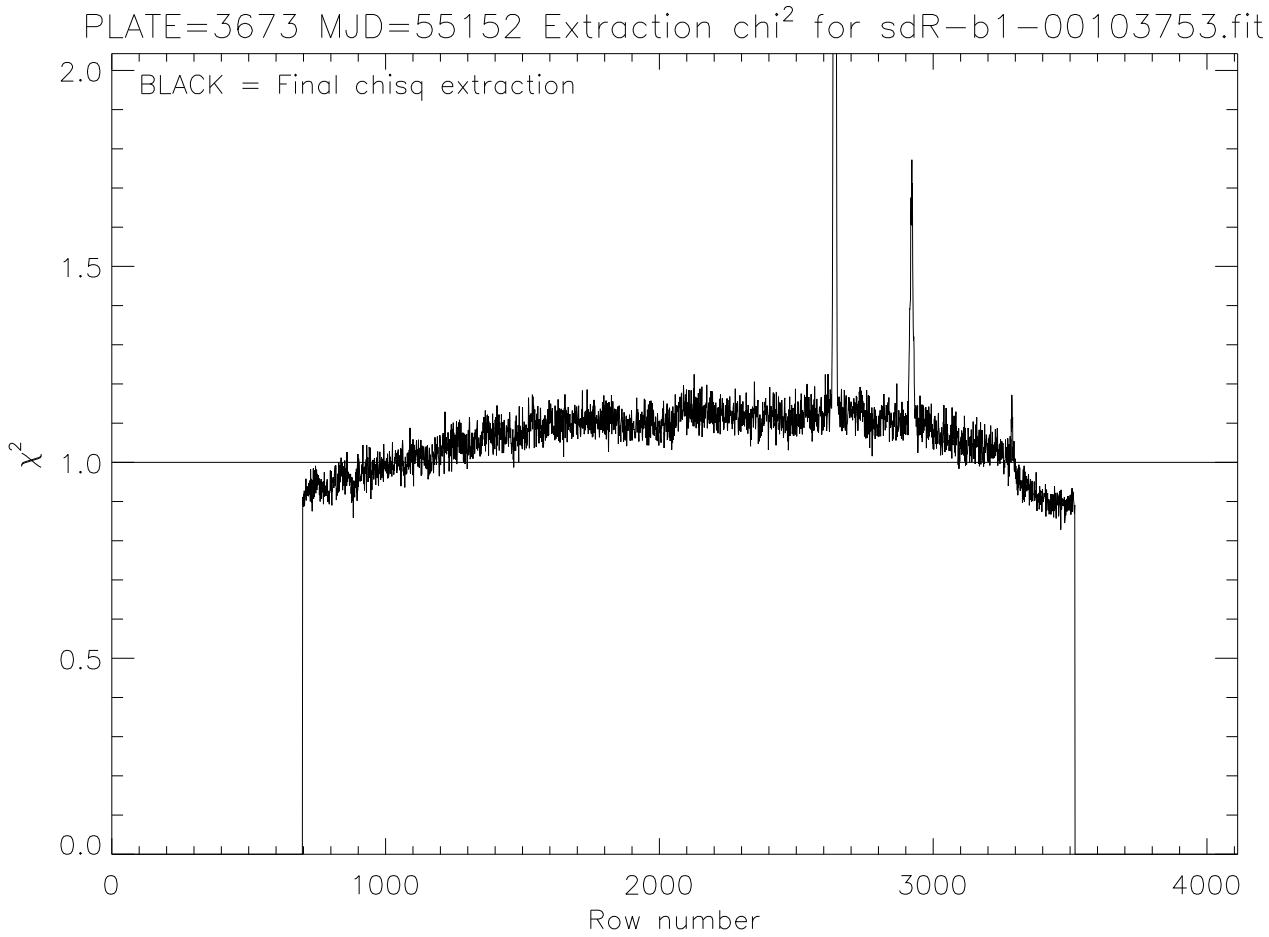

PLATE=3673 MJD=55152 Superflat sdR-b1-00103751.fit
RED = Superflat fit to central fiber
BLACK = 2.3 15.8 50.0 84.2 97.7 percentiles
Normalized flux
0.0
0.5
1.0
1.5
2.0
3500
4000
4500
5000
5500
6000
6500
λ [A]

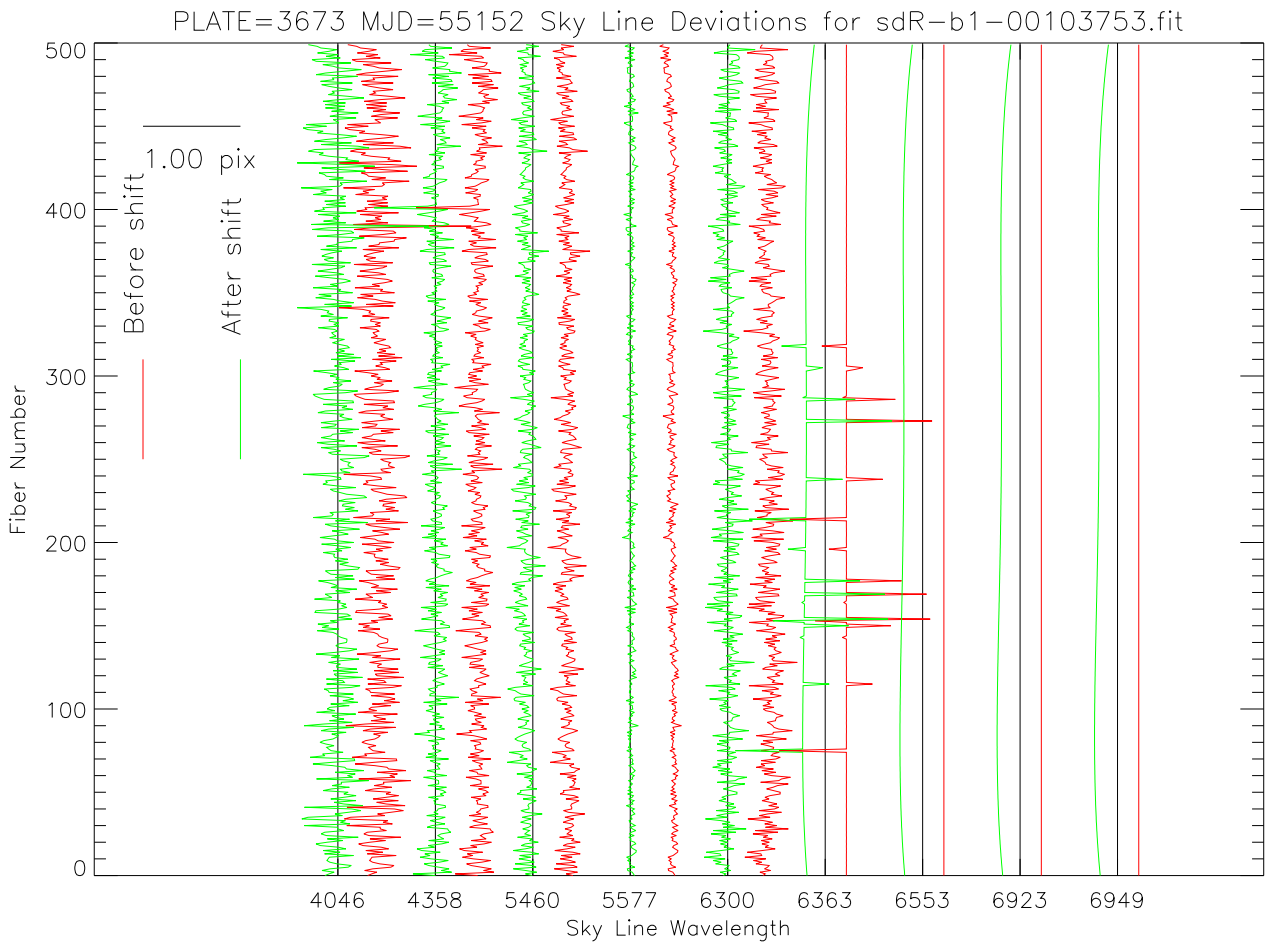

PLATE=3673 MJD=55152 flat extraction chi^2 for sdR−b1−00103756.fit
BLACK = Final chisq extraction
χ^2
100
80
60
40
20
0
0
1000
2000
3000
4000
Row number

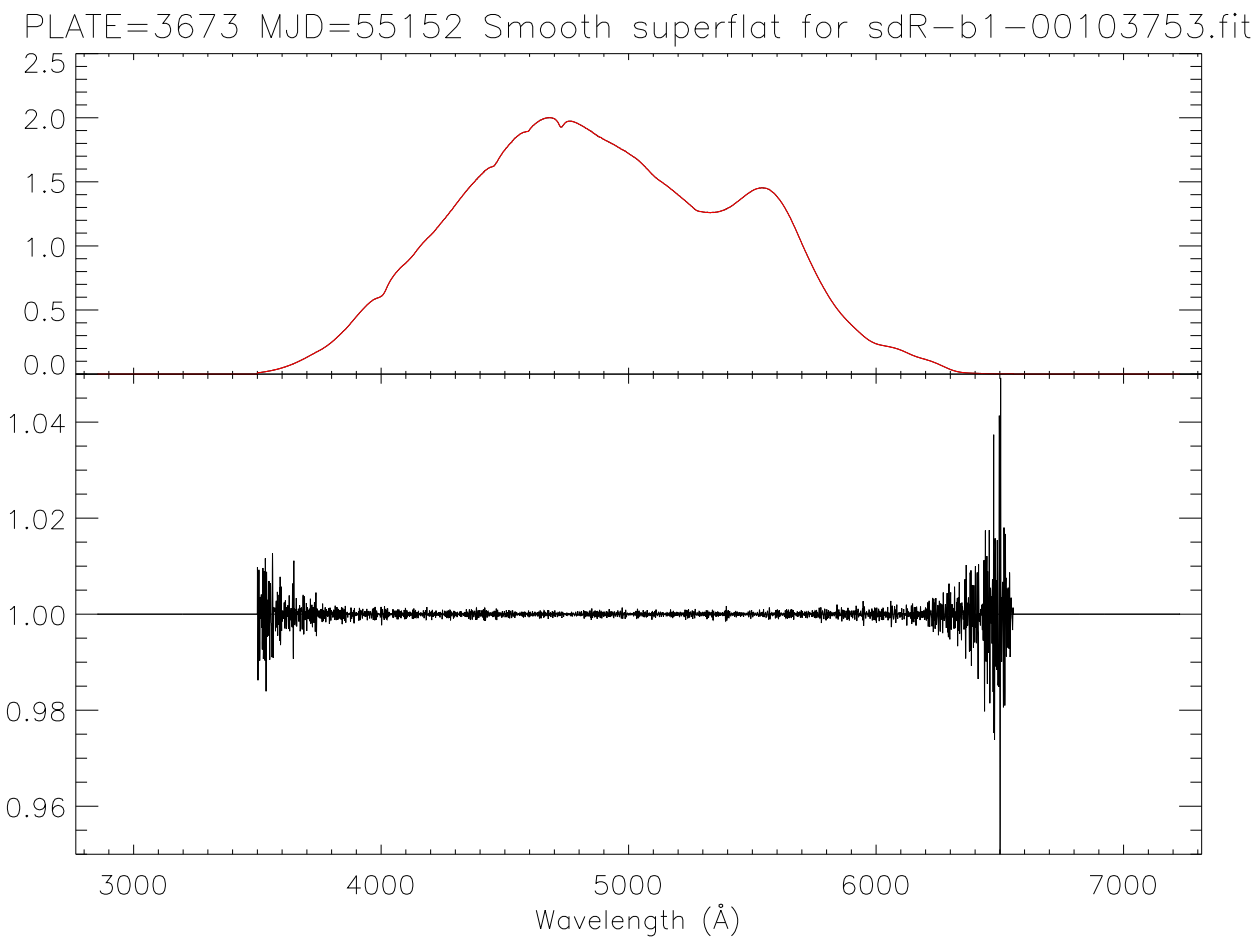

PLATE=3673 MJD=55152 Superflat sdR-b1-00103756.fit
RED = Superflat fit to central fiber
BLACK = 2.3 15.8 50.0 84.2 97.7 percentiles
Normalized flux
0.0
0.5
1.0
1.5
2.0
3500
4000
4500
5000
5500
6000
6500
λ [A]

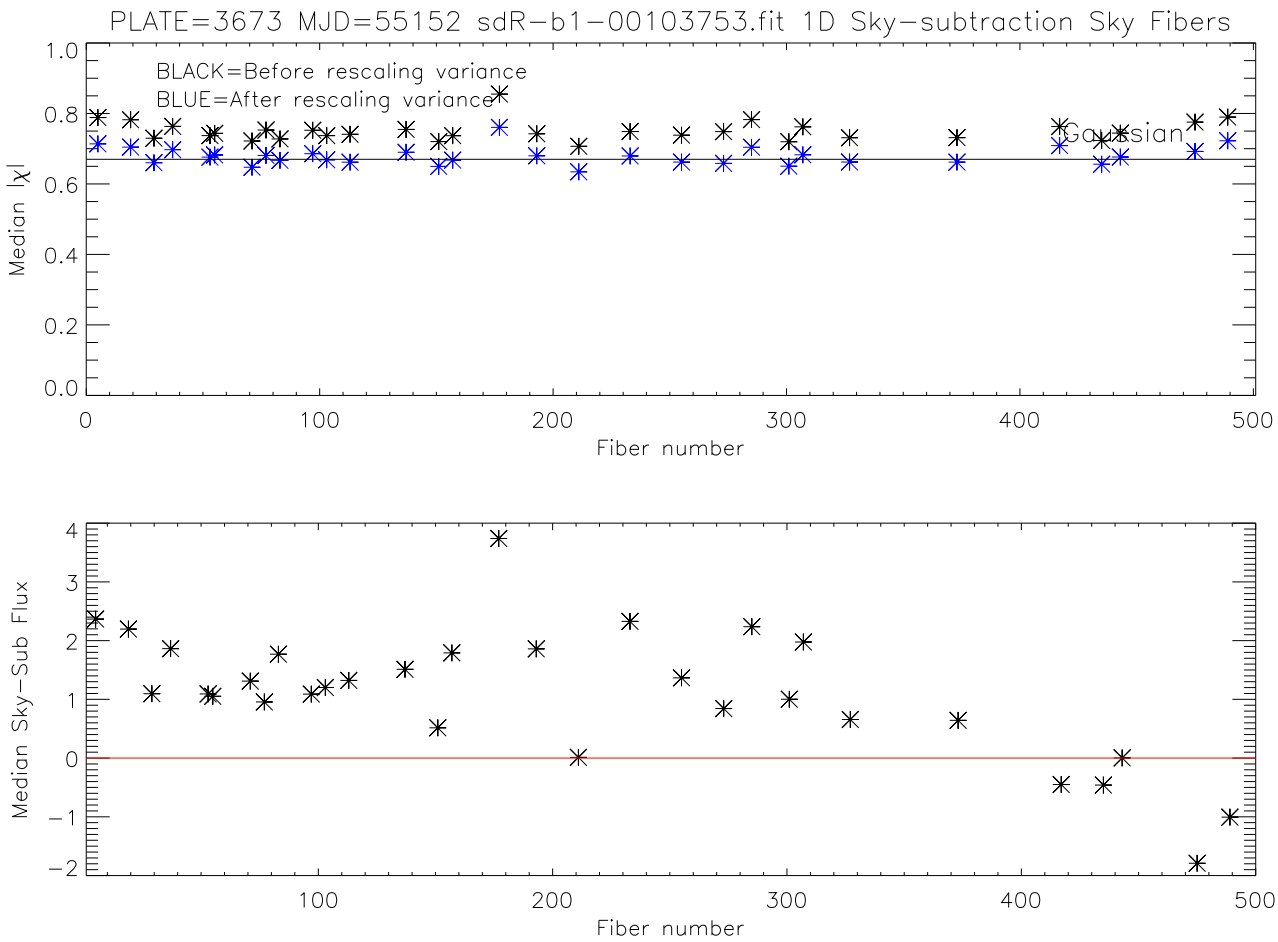

PLATE=3673 MJD=55152 Arcline Fit for sdR-b1-00103757.fit
Fiber Number
500
400
300
200
100
0
3000
4000
5000
6000
7000
λ [A] + 300 * Deviation
Ncoeff = 6
Deviation [pix]
0.15
0.10
0.05
−0.00
−0.05
−0.10
−0.15
3000
4000
5000
6000
7000
λ [A]
Fri Aug 26 17:17:01 2011

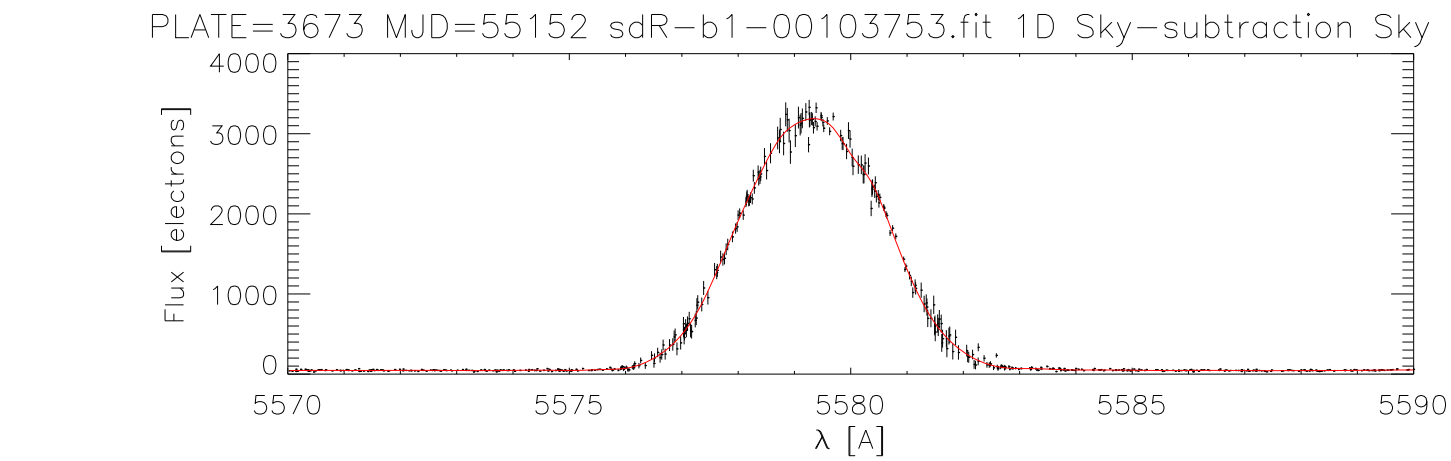

PLATE=3673 MJD=55152 Fiber−Flats for sdR−b1−00103756.fit
BLACK = Median value
ENVELOPE = 95% of points
GREEN = Outlier points
Min value = −4.081
Max value = 4.625
Fiber−Flat
1.5
1.0
0.5
0.0
3000
4000
5000
6000
7000
λ [A]
Fri Aug 26 17:17:23 2011

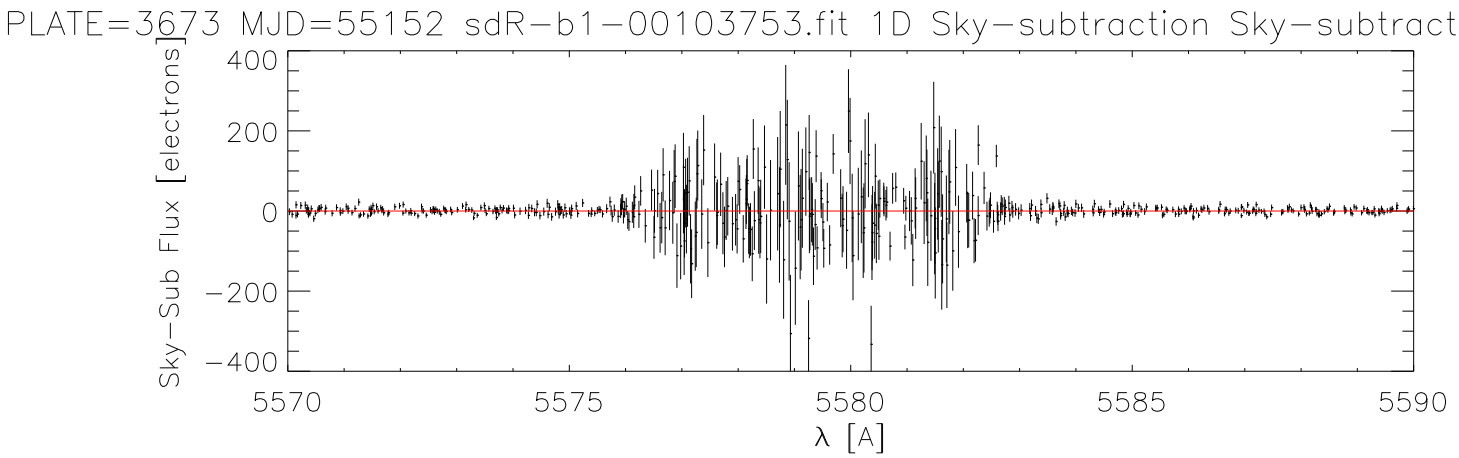

PLATE=3673 MJD=55152 Extraction chi^2 for sdR−b1−00103753.fit
BLACK = Final chisq extraction
χ^2
2.0
1.5
1.0
0.5
0.0
0
1000
2000
3000
4000
Row number


PLATE=3673 MJD=55152 Sky Line Deviations for sdR-b1-00103753.fit
1.00 pix
Before shift
After shift
Fiber Number
0
100
200
300
400
500
4046
4358
5460
5577
6300
6363
6553
6923
6949
Sky Line Wavelength

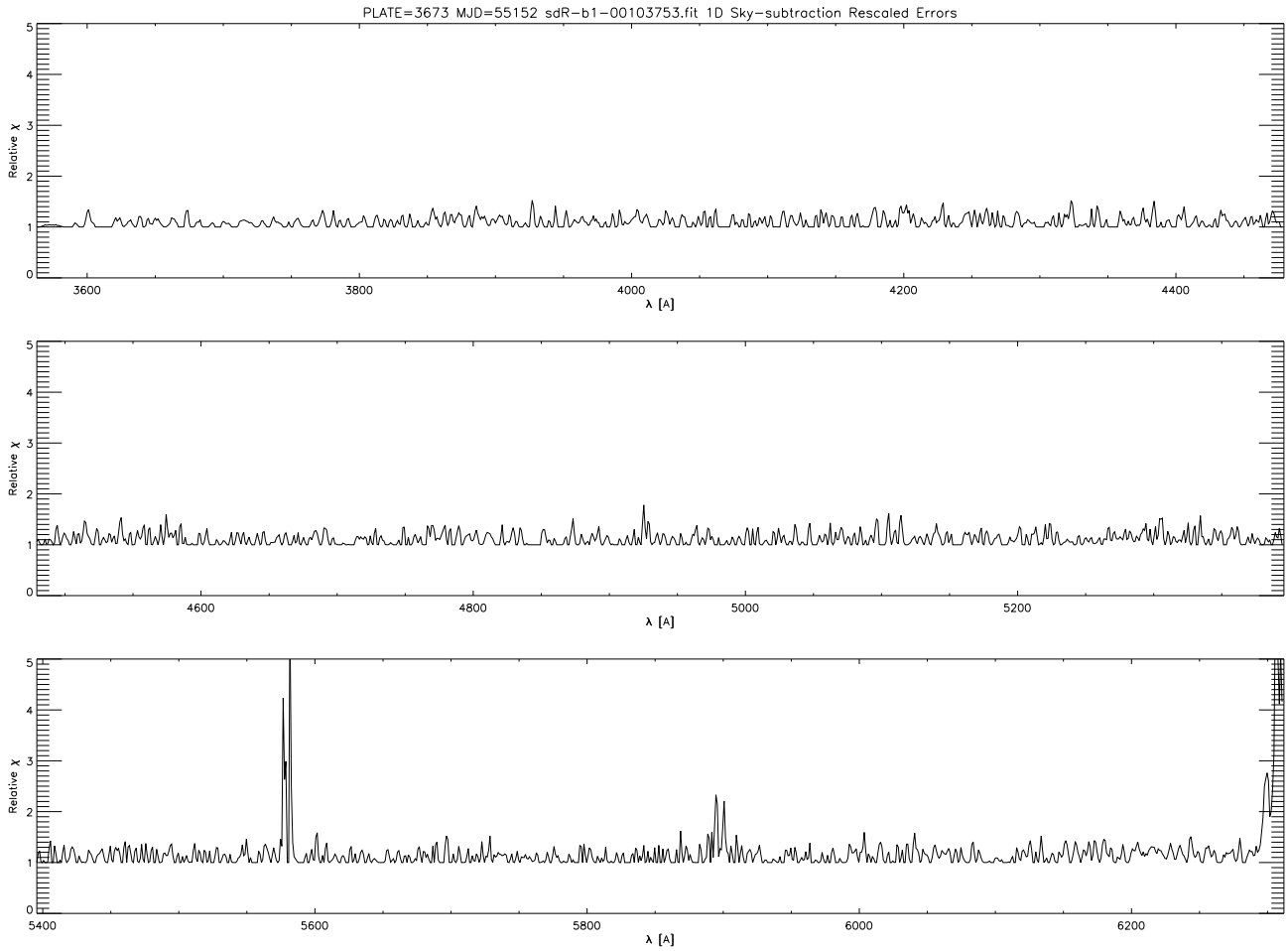

PLATE=3673 MJD=55152 Smooth superflat for sdR-b1-00103753.fit
2.5
2.0
1.5
1.0
0.5
0.0
1.04
1.02
1.00
0.98
0.96
3000
4000
5000
6000
7000
Wavelength (Å)

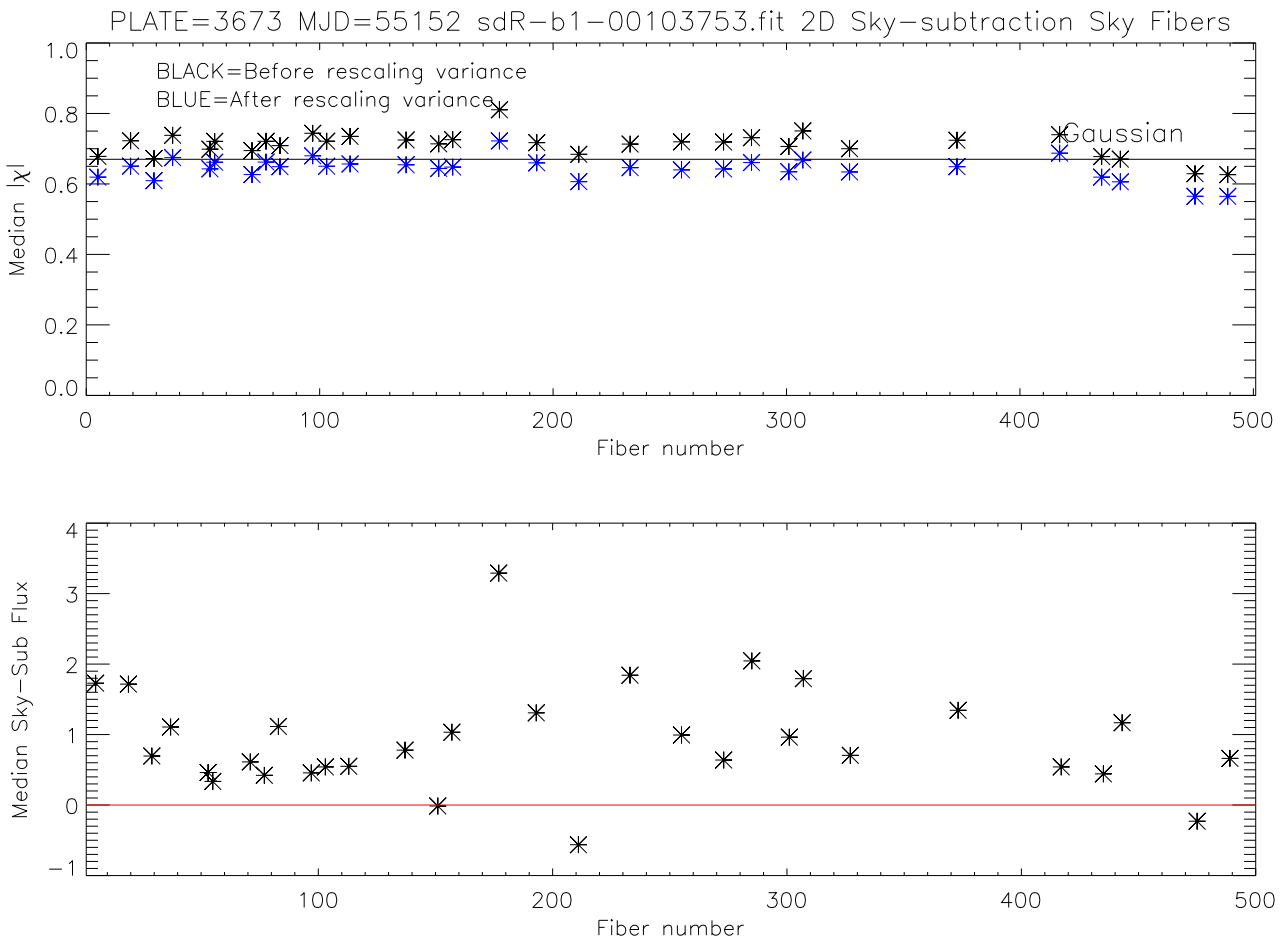

PLATE=3673 MJD=55152 sdR-b1-00103753.fit 1D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

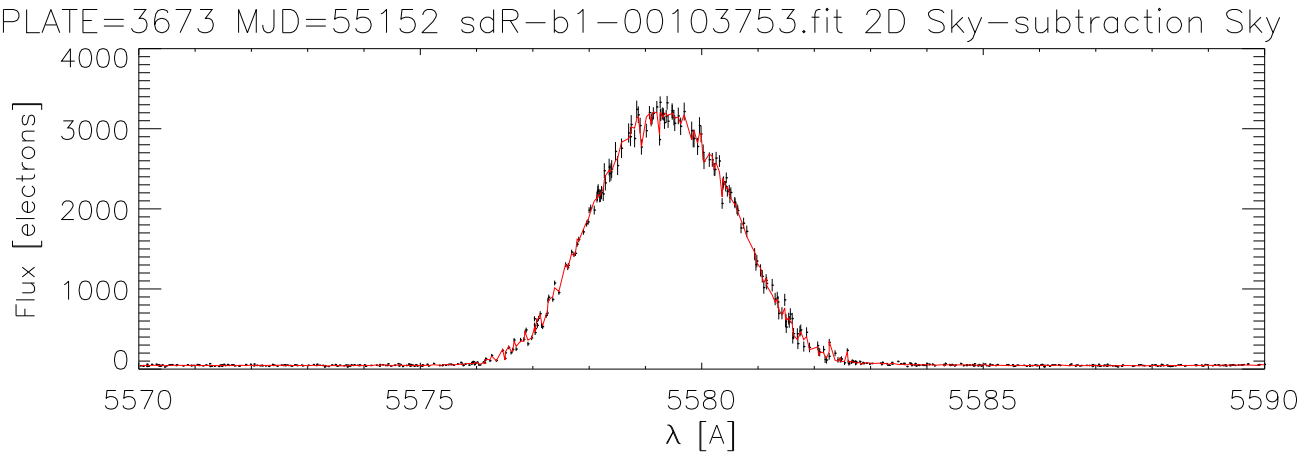

PLATE=3673 MJD=55152 sdR-b1-00103753.fit 1D Sky-subtraction Sky Fibers
Flux [electrons]
4000
3000
2000
1000
0
5570
5575
5580
5585
5590
λ [A]

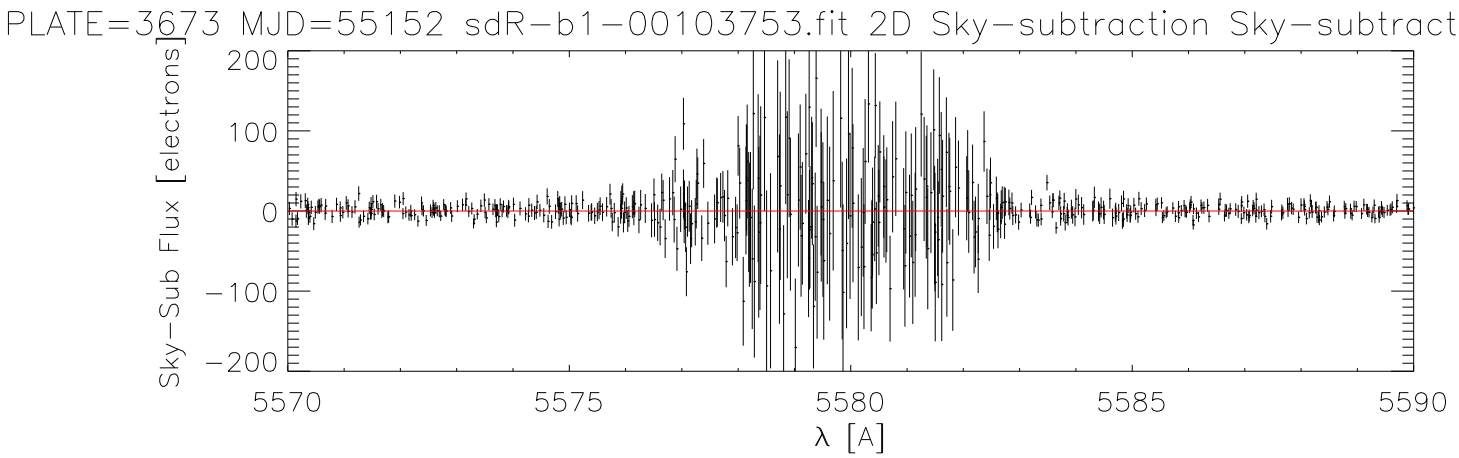

PLATE=3673 MJD=55152 sdR-b1-00103753.fit 1D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
400
200
0
-200
-400
5570
5575
5580
5585
5590
λ [A]

Number of sky fibers = 31

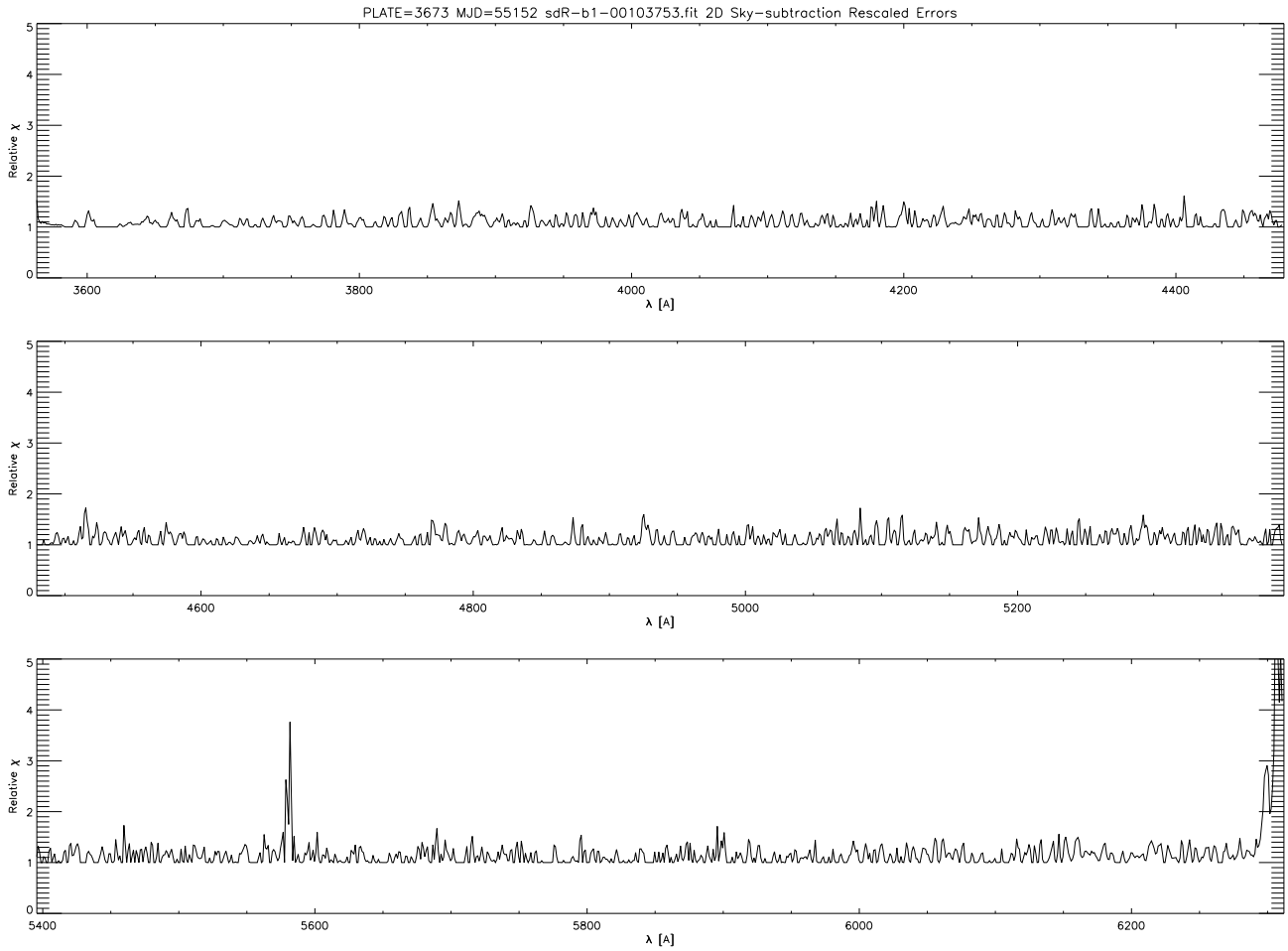


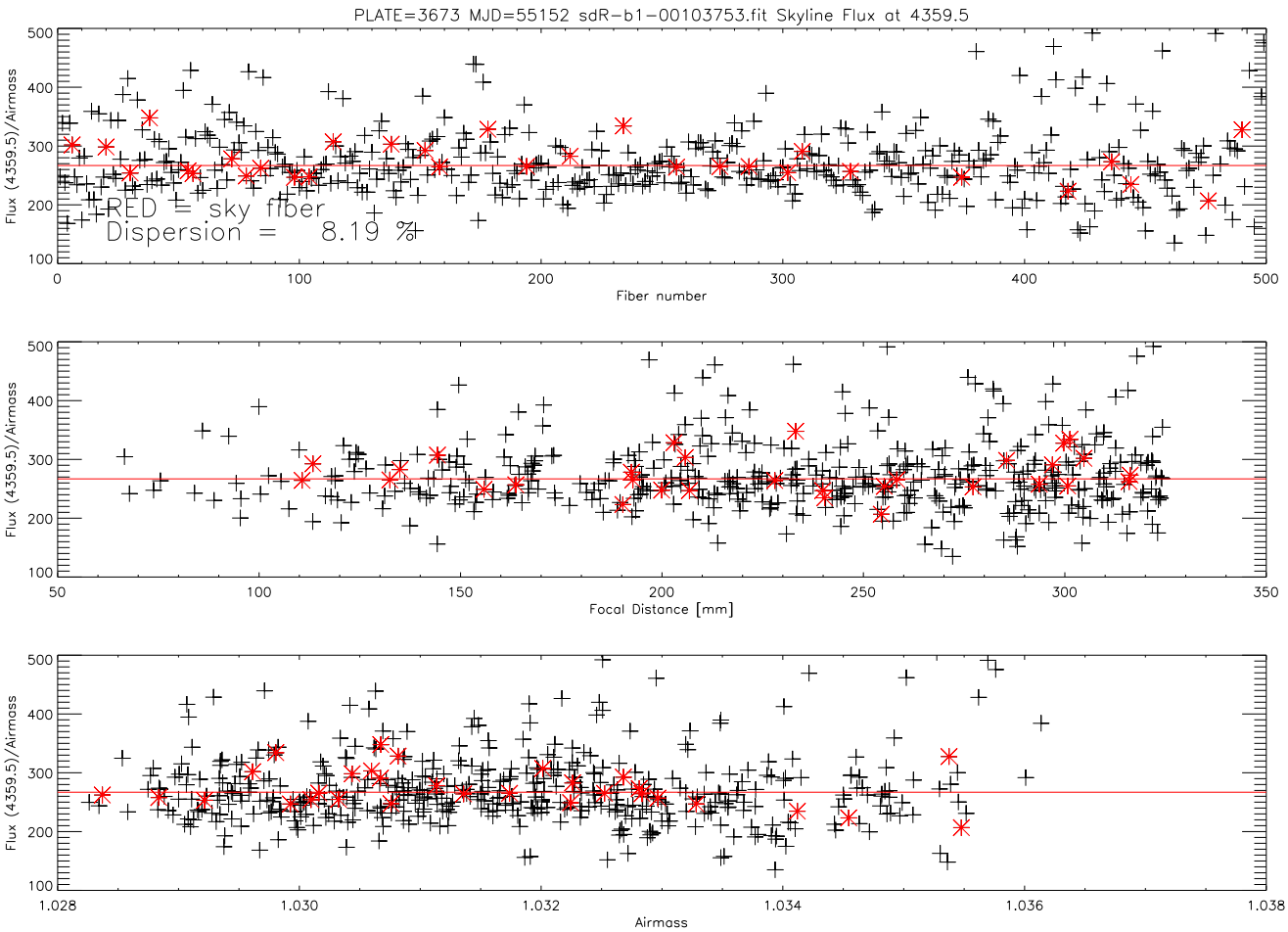

PLATE=3673 MJD=55152 sdR-b1-00103753.fit 2D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

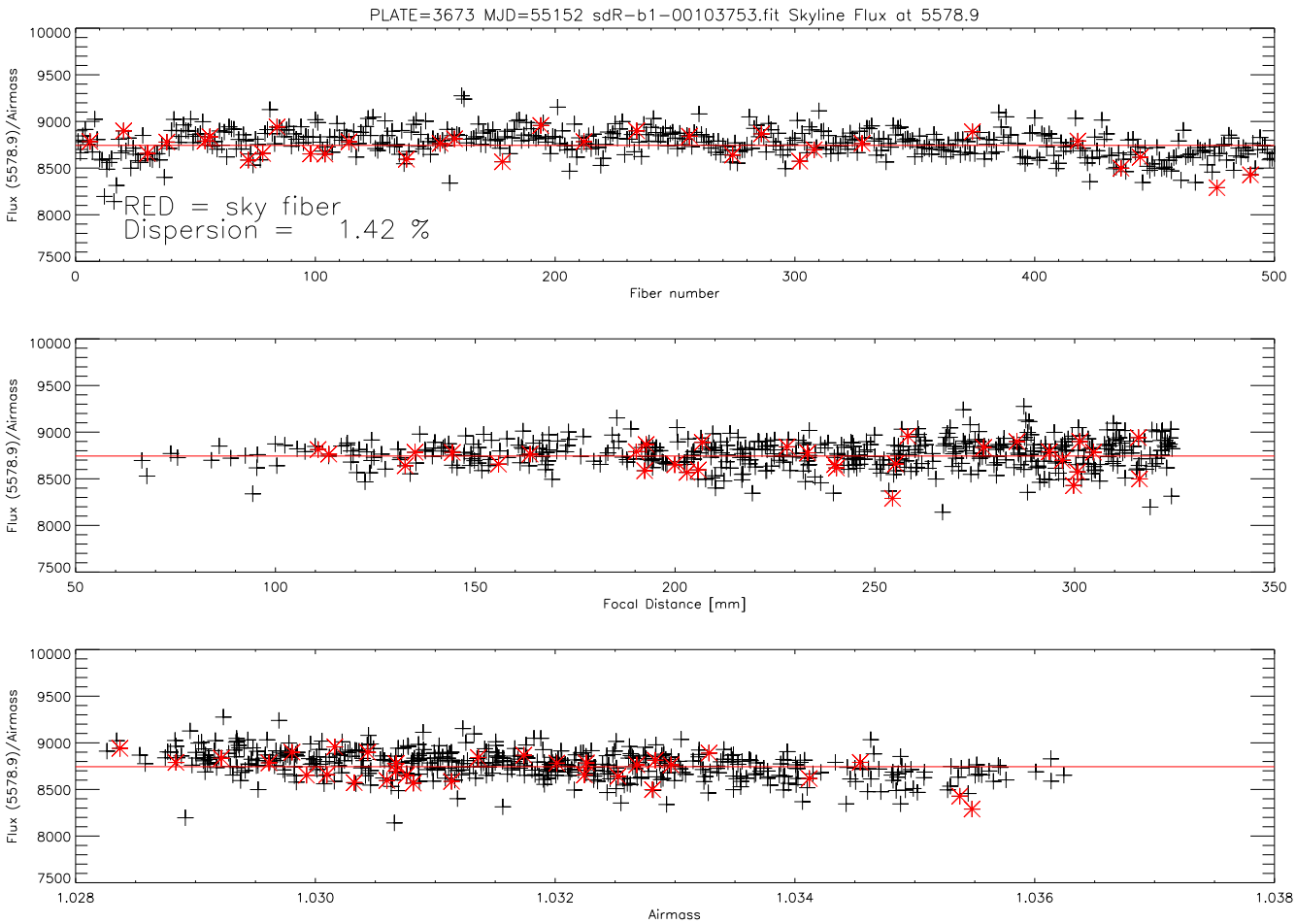

PLATE=3673 MJD=55152 sdR-b1-00103753.fit 2D Sky-subtraction Sky Fibers
Flux [electrons]
4000
3000
2000
1000
0
5570
5575
5580
5585
5590
λ [A]

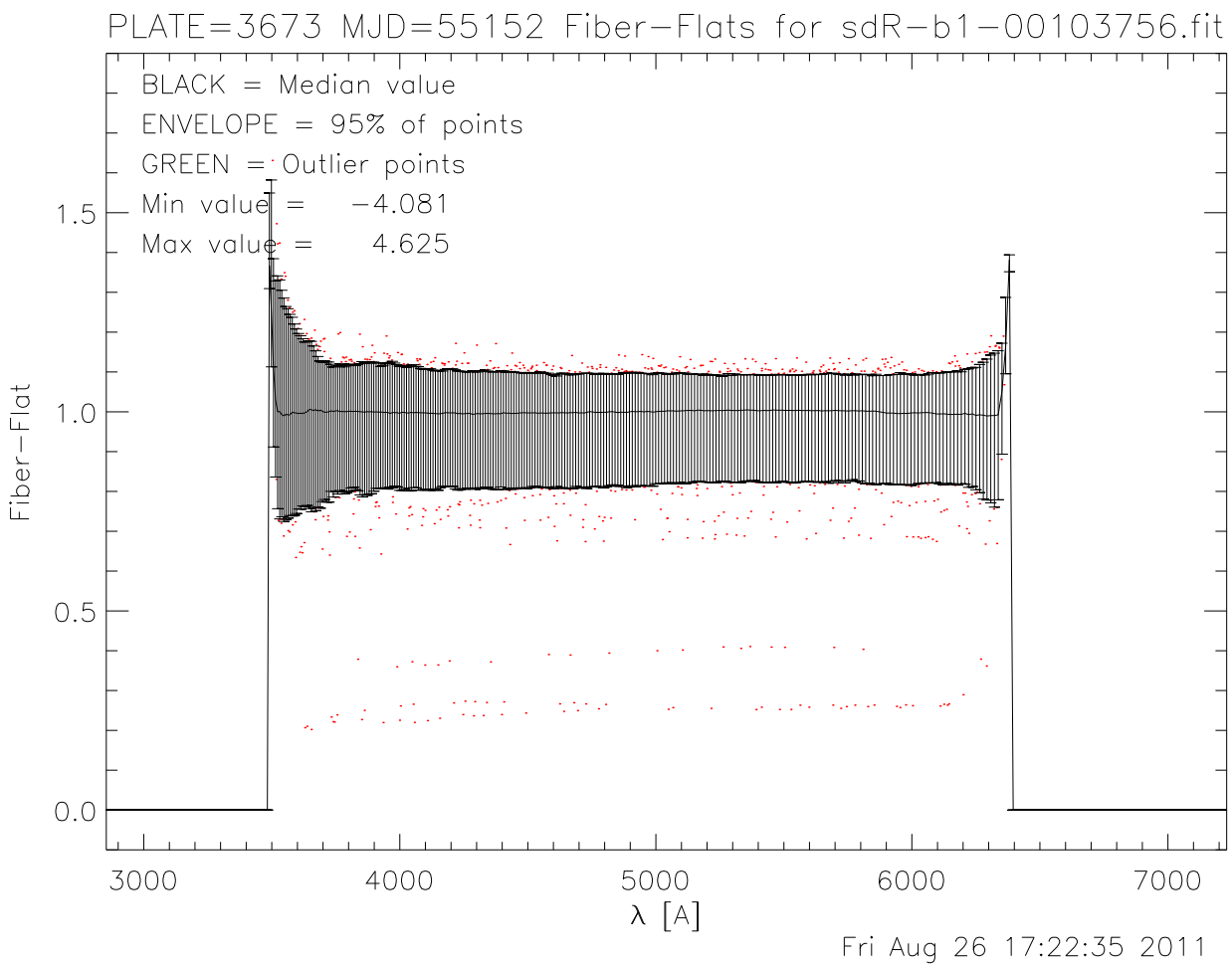

PLATE=3673 MJD=55152 sdR-b1-00103753.fit 2D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
200
100
0
-100
-200
5570
5575
5580
5585
5590
λ [A]

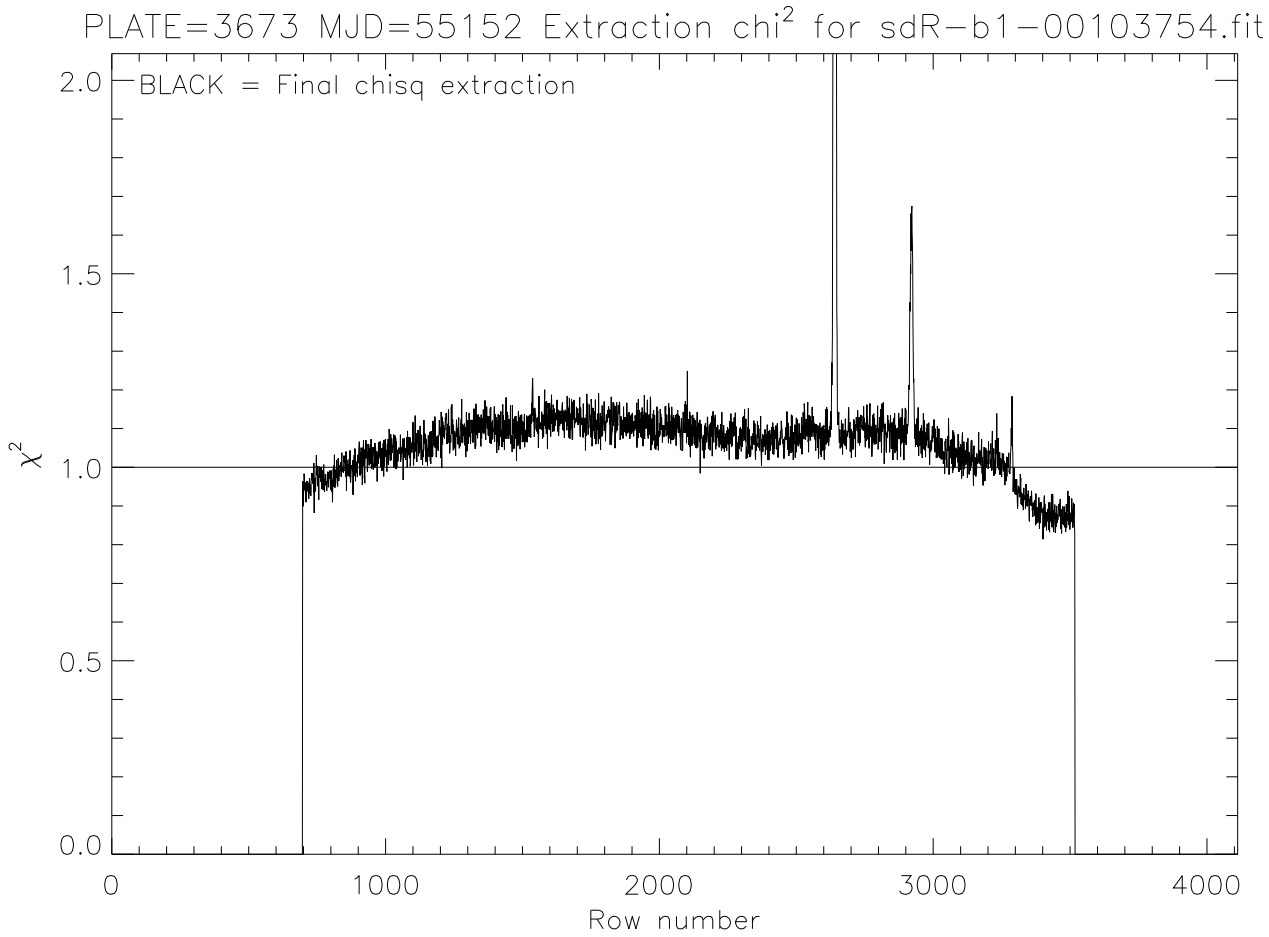
Number of sky fibers = 31

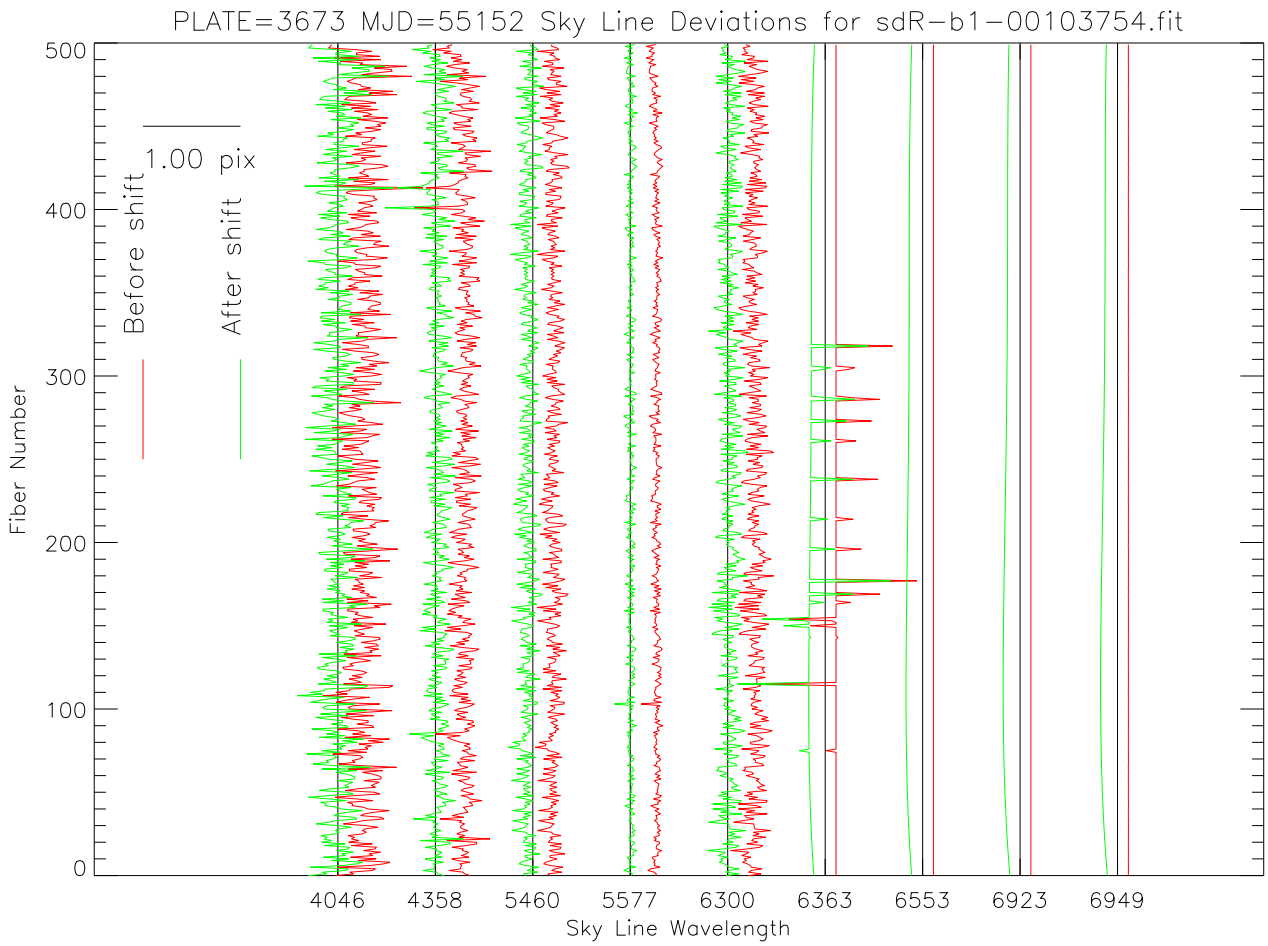


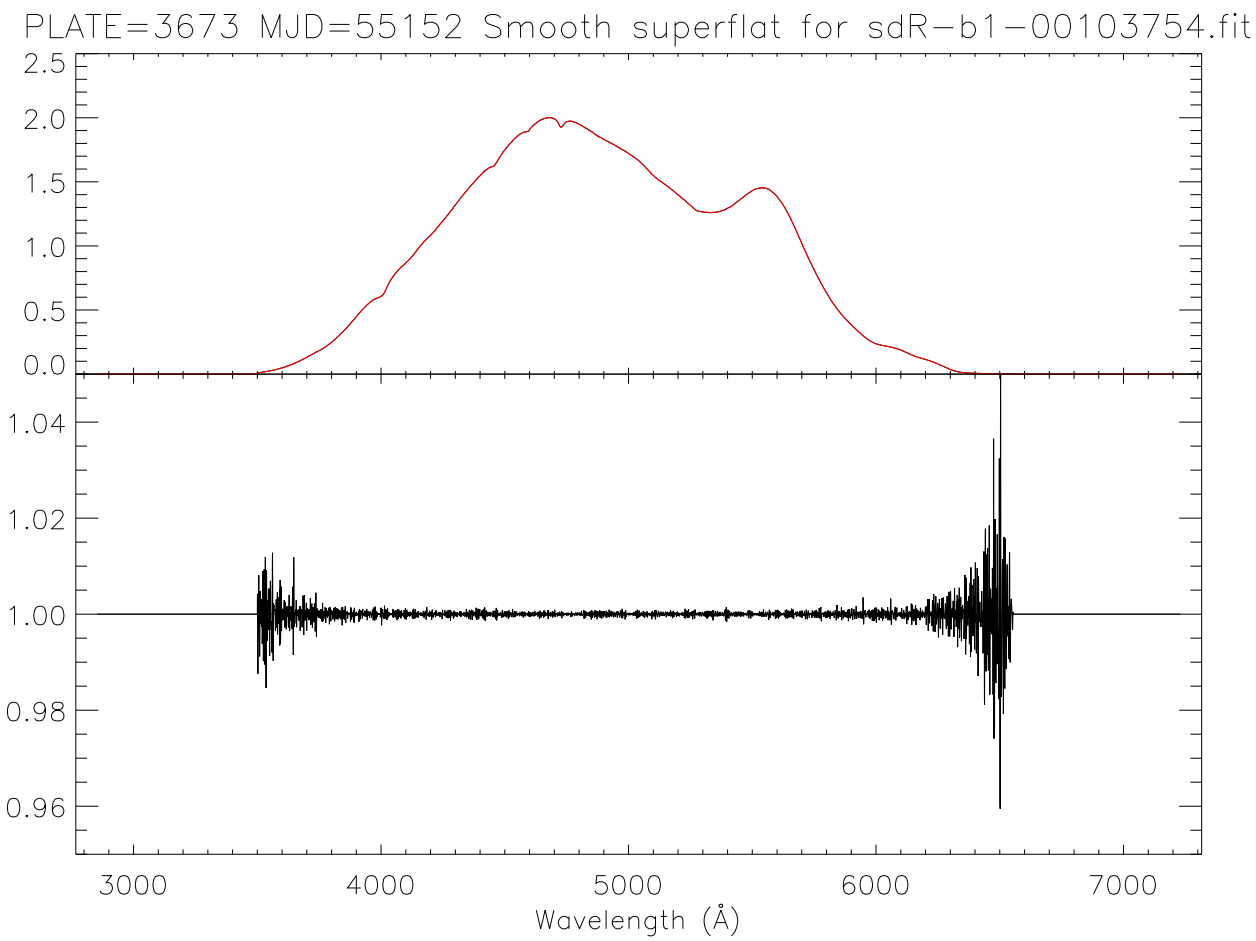

PLATE=3673 MJD=55152 sdR-b1-00103753.fit Skyline Flux at 4359.5
Flux (4359.5)/Airmass
Fiber number
RED = sky fiber
Dispersion = 8.19 %
Flux (4359.5)/Airmass
Focal Distance [mm]
Flux (4359.5)/Airmass
Airmass

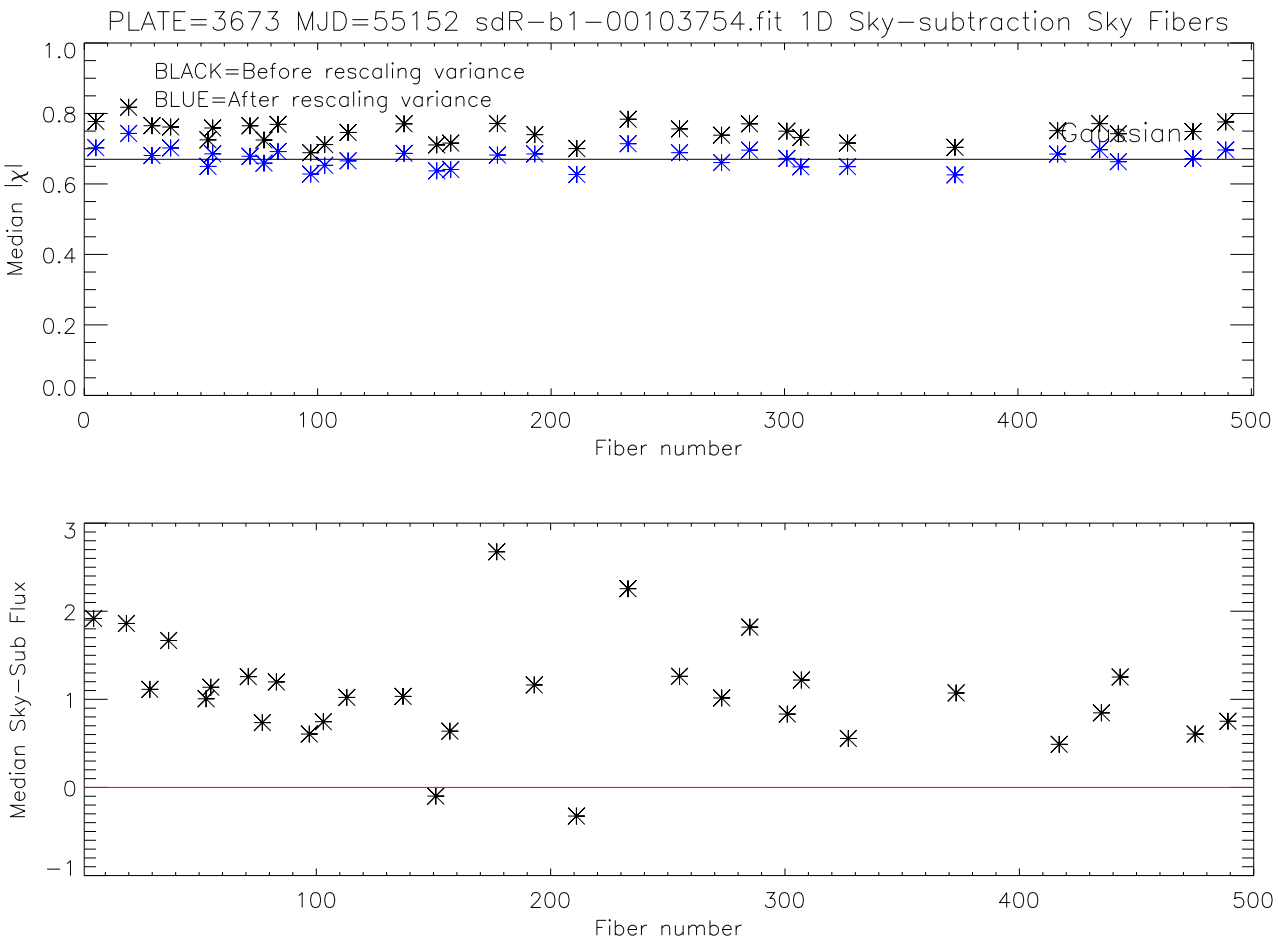

PLATE=3673 MJD=55152 sdR-b1-00103753.fit Skyline Flux at 5578.9
Flux (5578.9)/Airmass
Fiber number
RED = sky fiber
Dispersion = 1.42 %
Flux (5578.9)/Airmass
Focal Distance [mm]
Flux (5578.9)/Airmass
Airmass

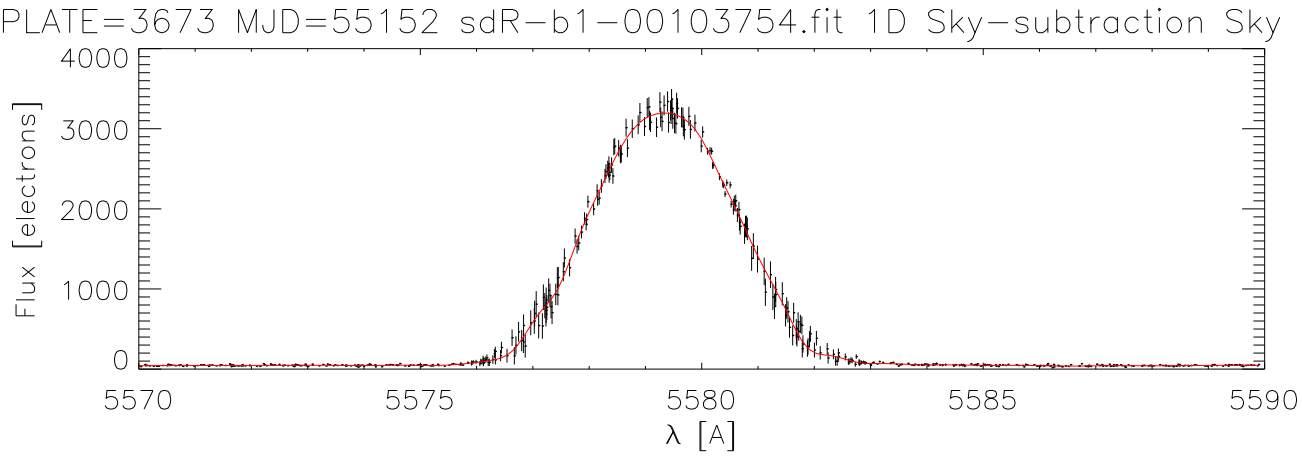

PLATE=3673 MJD=55152 Fiber−Flats for sdR−b1−00103756.fit
BLACK = Median value
ENVELOPE = 95% of points
GREEN = Outlier points
Min value = −4.081
Max value = 4.625
Fiber−Flat
1.5
1.0
0.5
0.0
3000
4000
5000
6000
7000
λ [A]
Fri Aug 26 17:22:35 2011

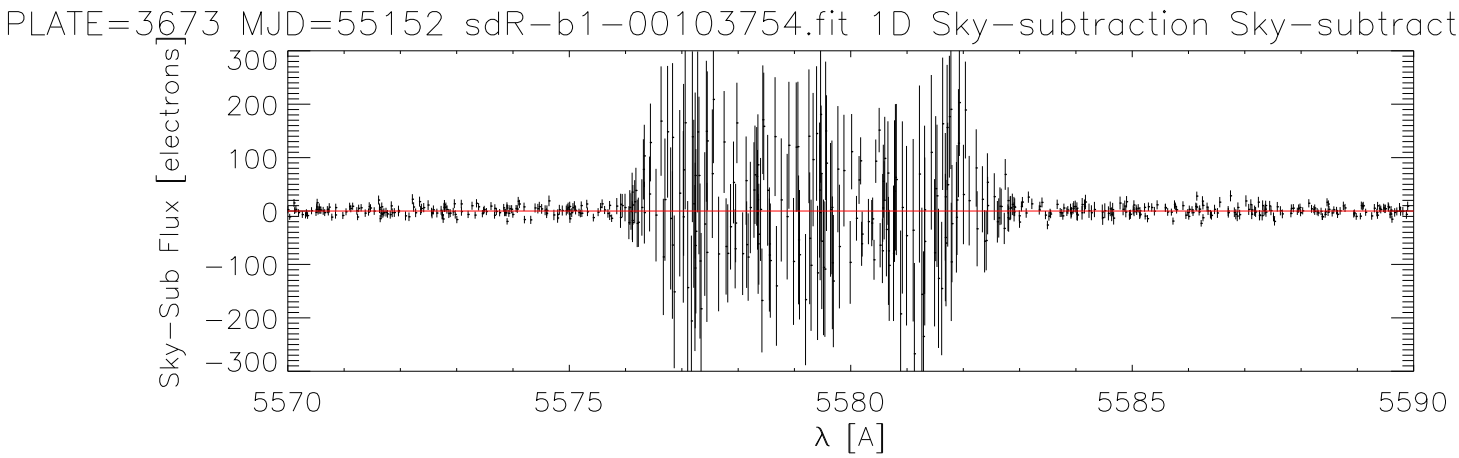

PLATE=3673 MJD=55152 Extraction chi^2 for sdR−b1−00103754.fit
BLACK = Final chisq extraction
χ^2
2.0
1.5
1.0
0.5
0.0
0
1000
2000
3000
4000
Row number


PLATE=3673 MJD=55152 Sky Line Deviations for sdR-b1-00103754.fit
1.00 pix
Before shift
After shift
Fiber Number
500
400
300
200
100
0
4046
4358
5460
5577
6300
6363
6553
6923
6949
Sky Line Wavelength

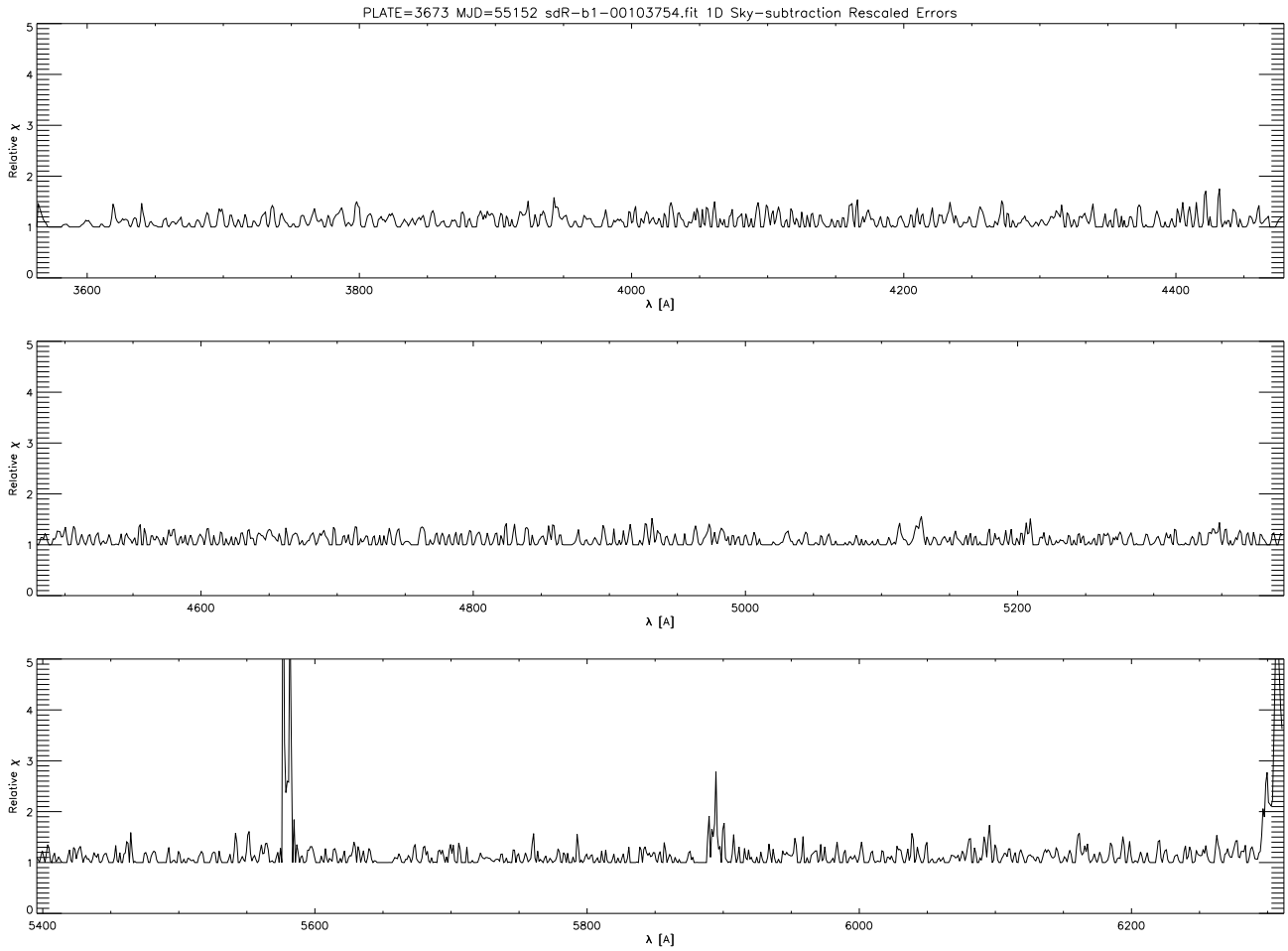

PLATE=3673 MJD=55152 Smooth superflat for sdR-b1-00103754.fit
2.5
2.0
1.5
1.0
0.5
0.0
1.04
1.02
1.00
0.98
0.96
3000
4000
5000
6000
7000
Wavelength (Å)

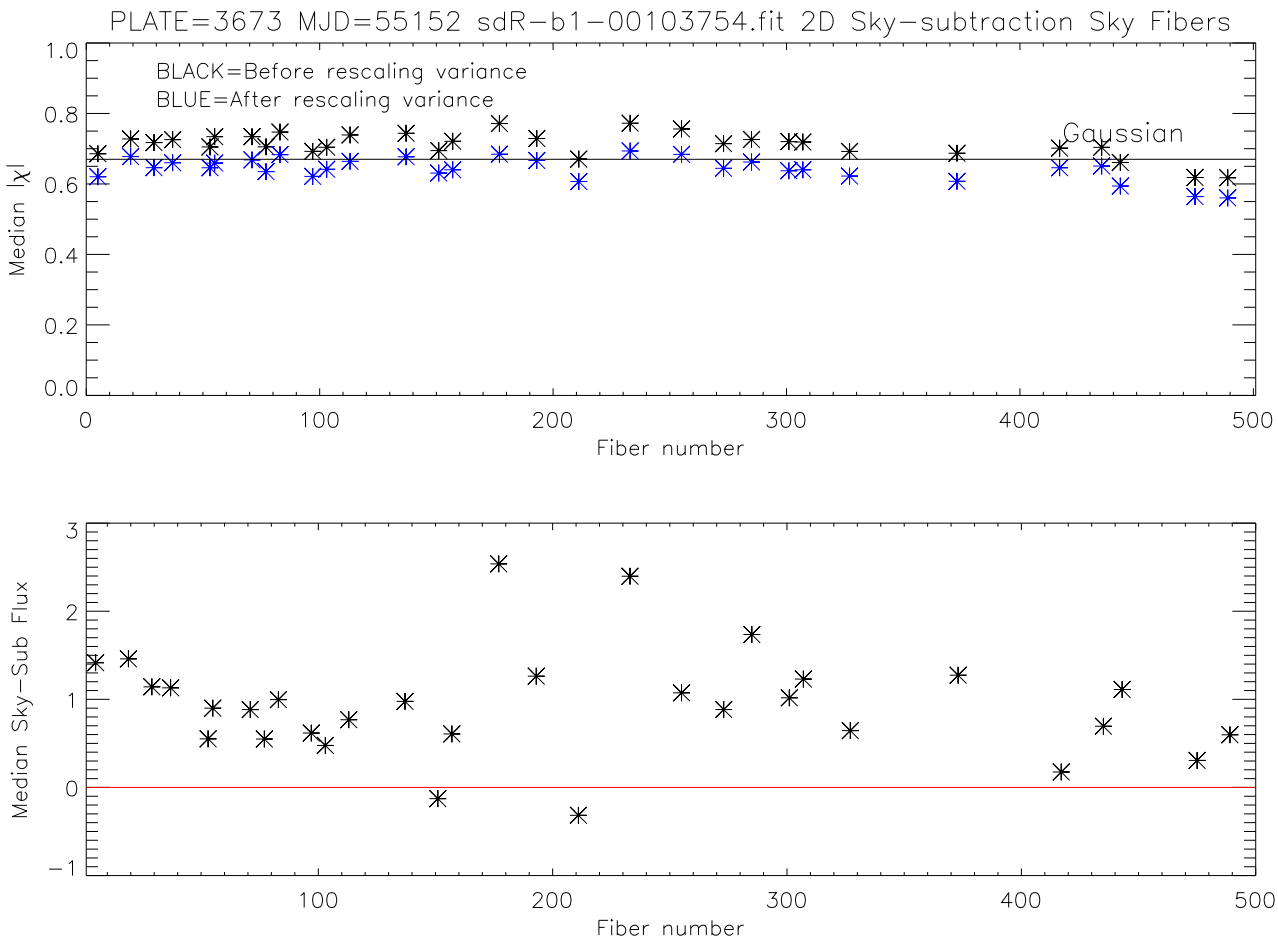

PLATE=3673 MJD=55152 sdR-b1-00103754.fit 1D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

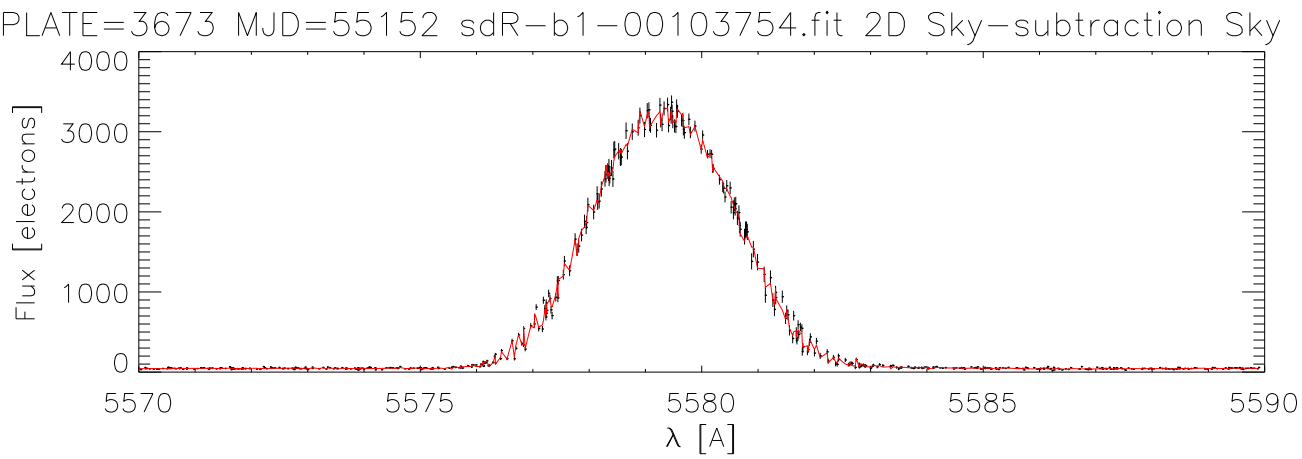

PLATE=3673 MJD=55152 sdR-b1-00103754.fit 1D Sky-subtraction Sky Fibers
Flux [electrons]
4000
3000
2000
1000
0
5570
5575
5580
5585
5590
λ [A]

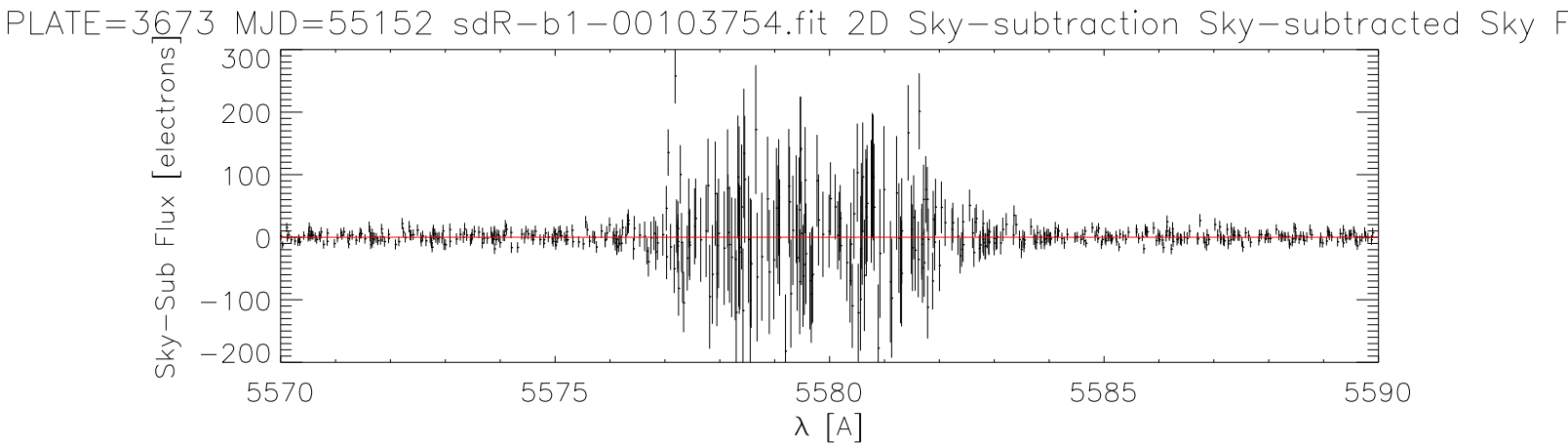

PLATE=3673 MJD=55152 sdR-b1-00103754.fit 1D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
300
200
100
0
-100
-200
-300
5570
5575
5580
5585
5590
λ [A]

Number of sky fibers = 31

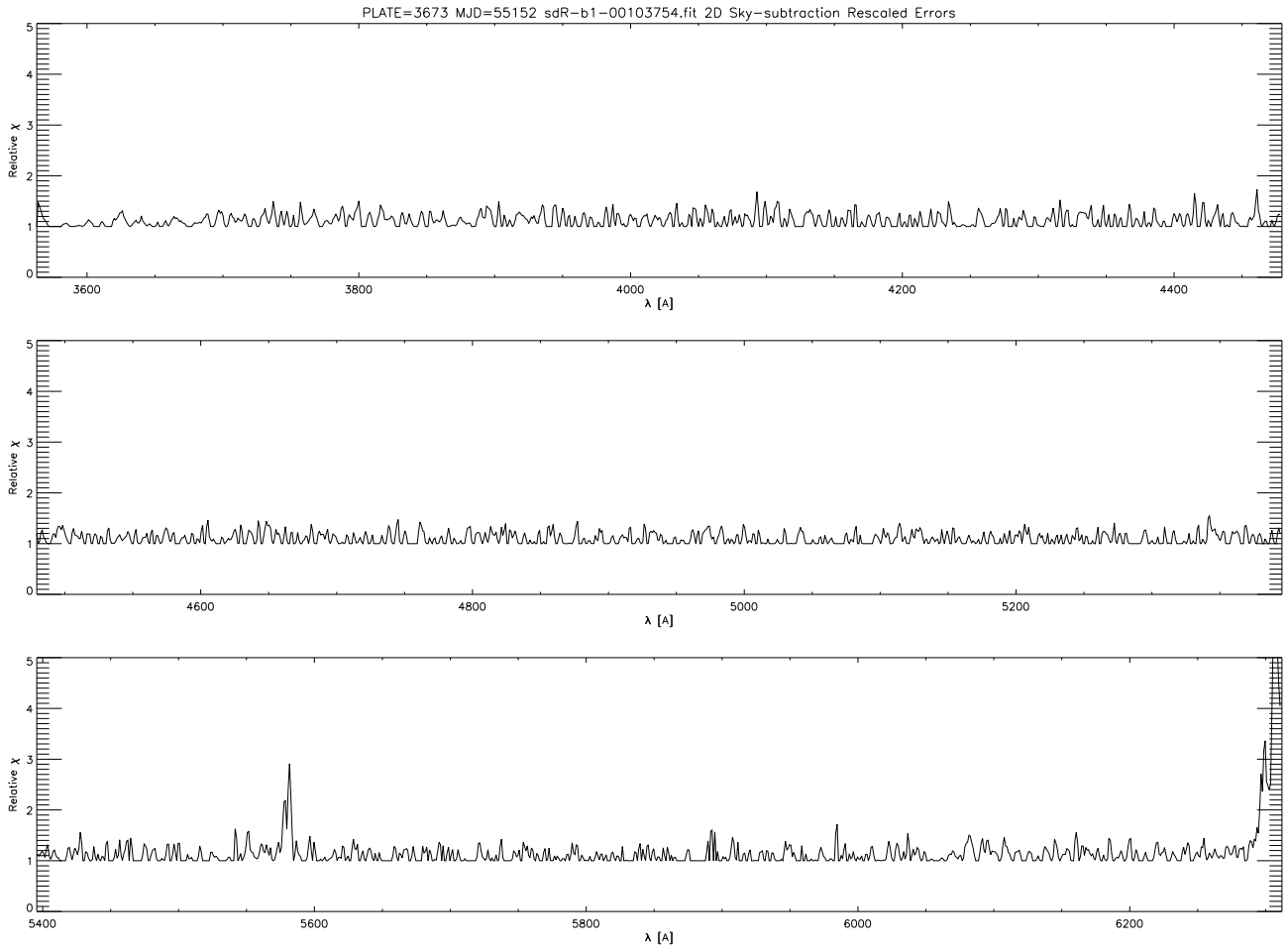


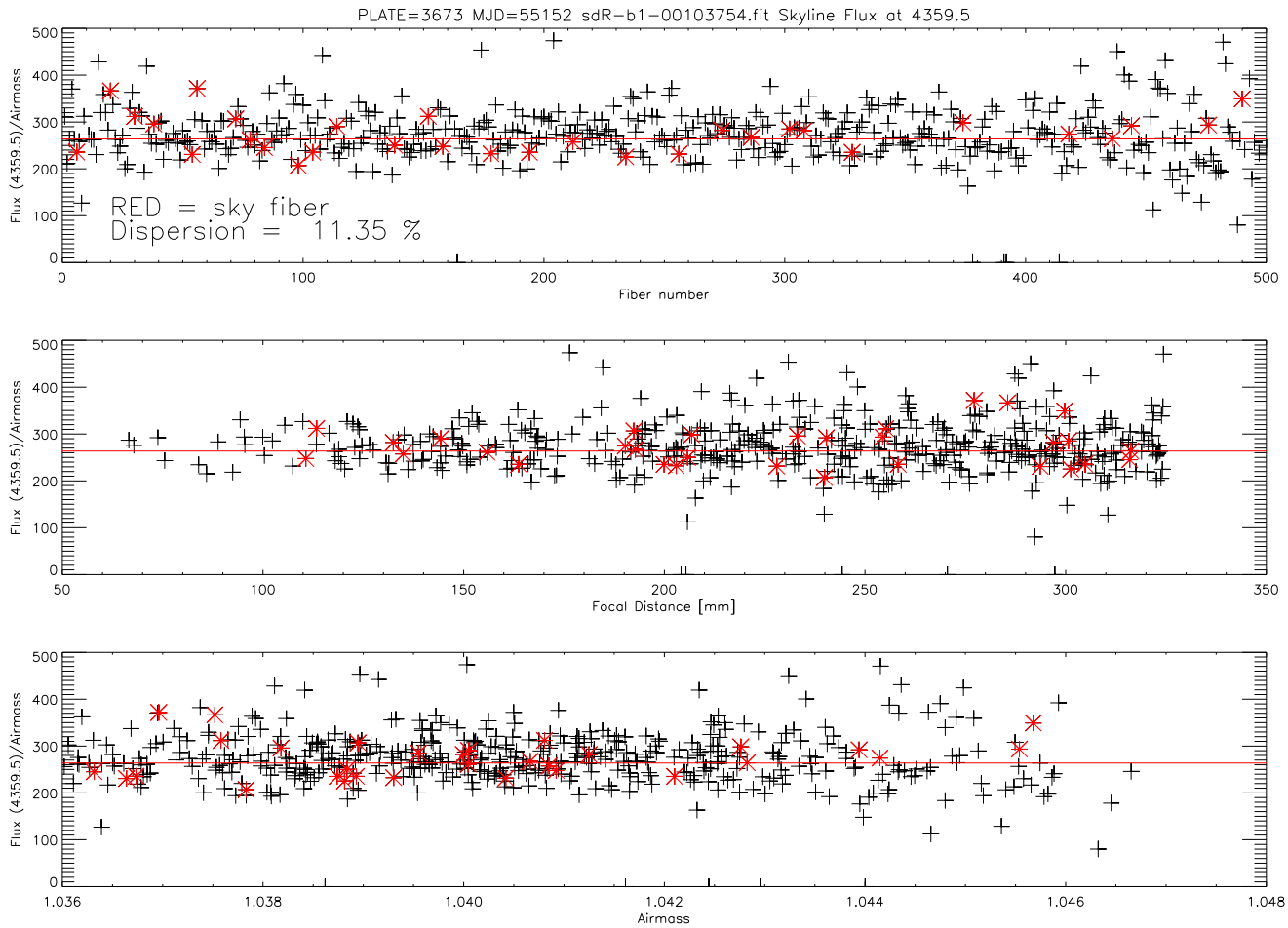

PLATE=3673 MJD=55152 sdR-b1-00103754.fit 2D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

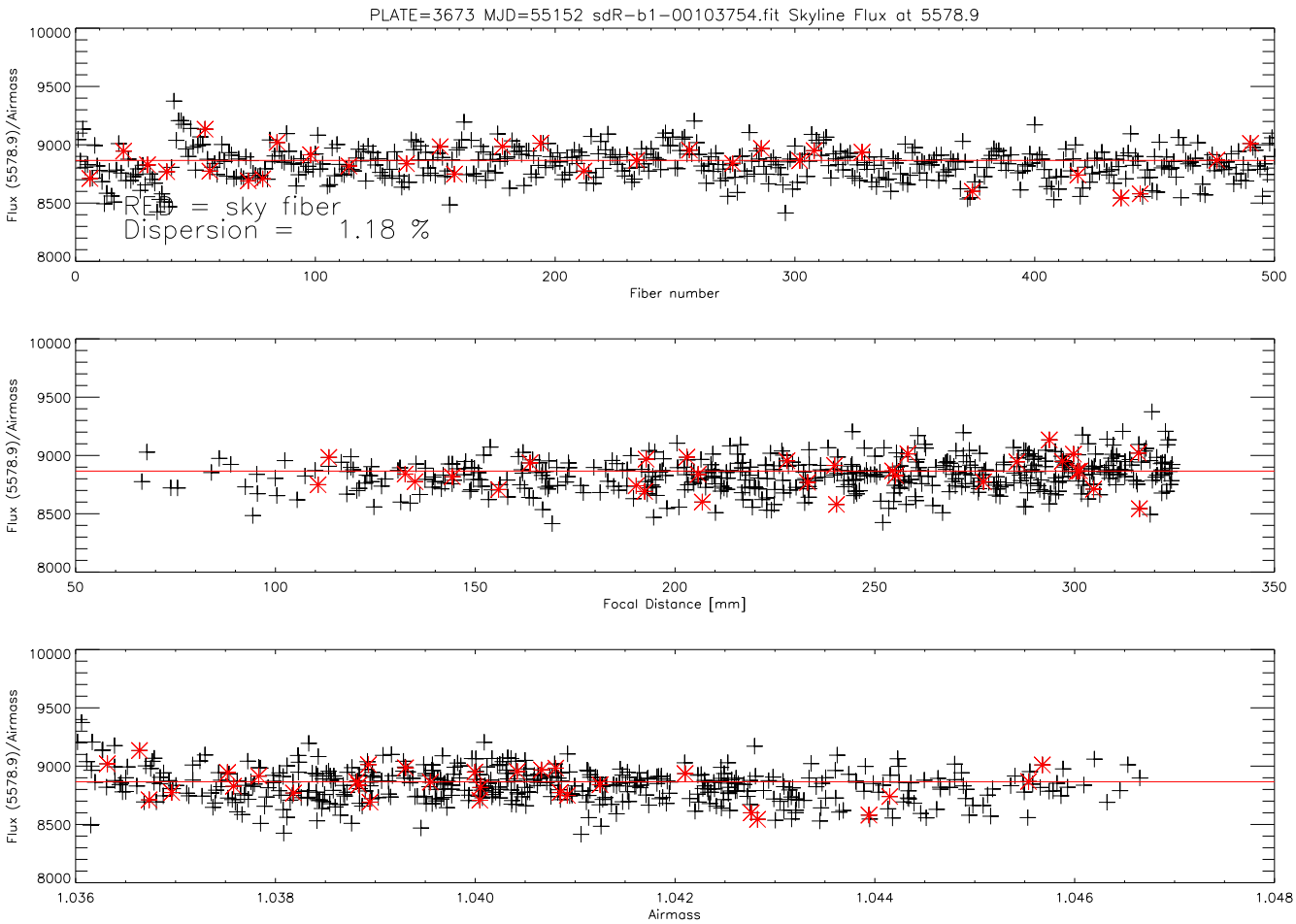

PLATE=3673 MJD=55152 sdR-b1-00103754.fit 2D Sky-subtraction Sky Fibers
Flux [electrons]
4000
3000
2000
1000
0
5570
5575
5580
5585
5590
λ [A]

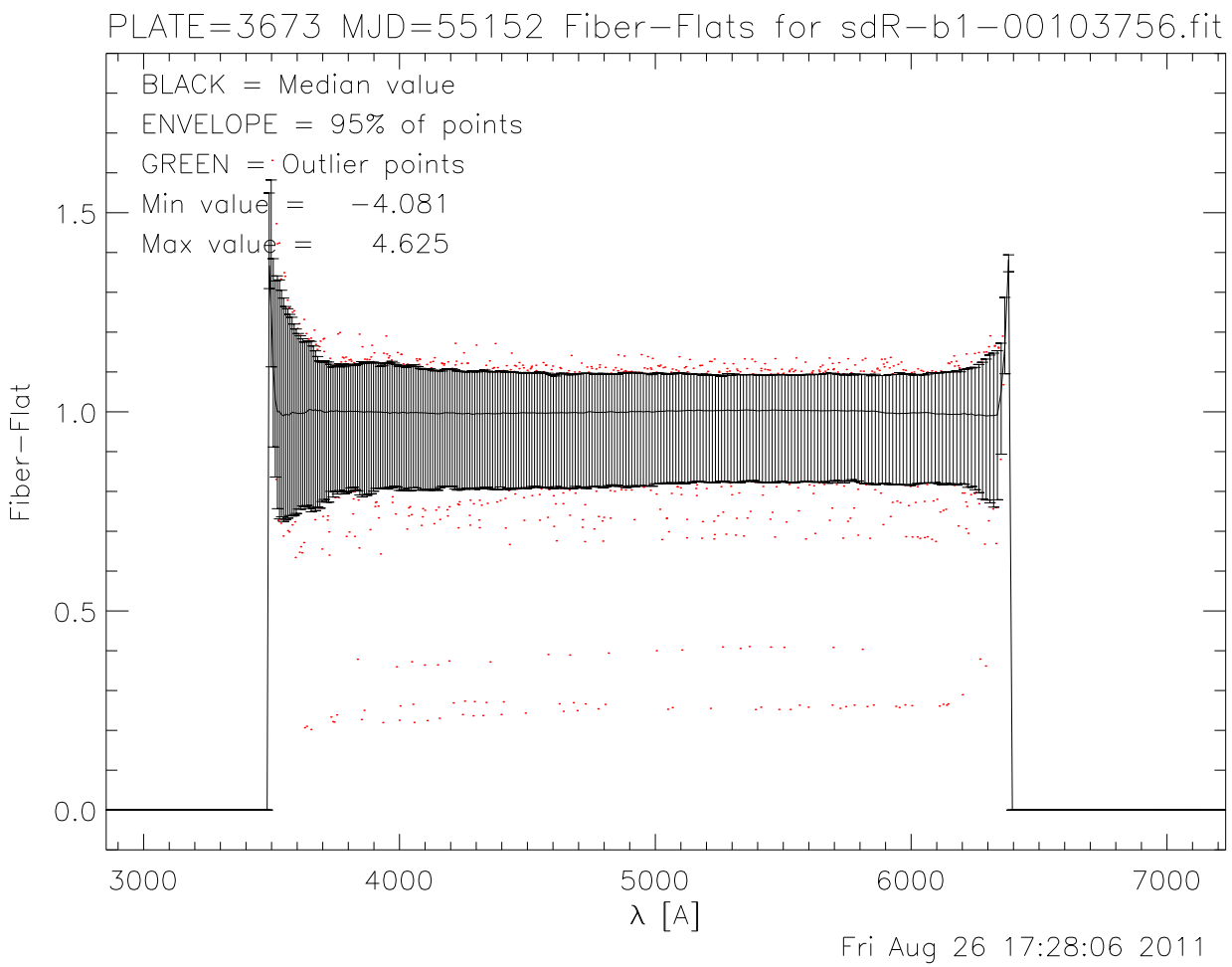

PLATE=3673 MJD=55152 sdR-b1-00103754.fit 2D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
300
200
100
0
-100
-200
5570
5575
5580
5585
5590
λ [A]

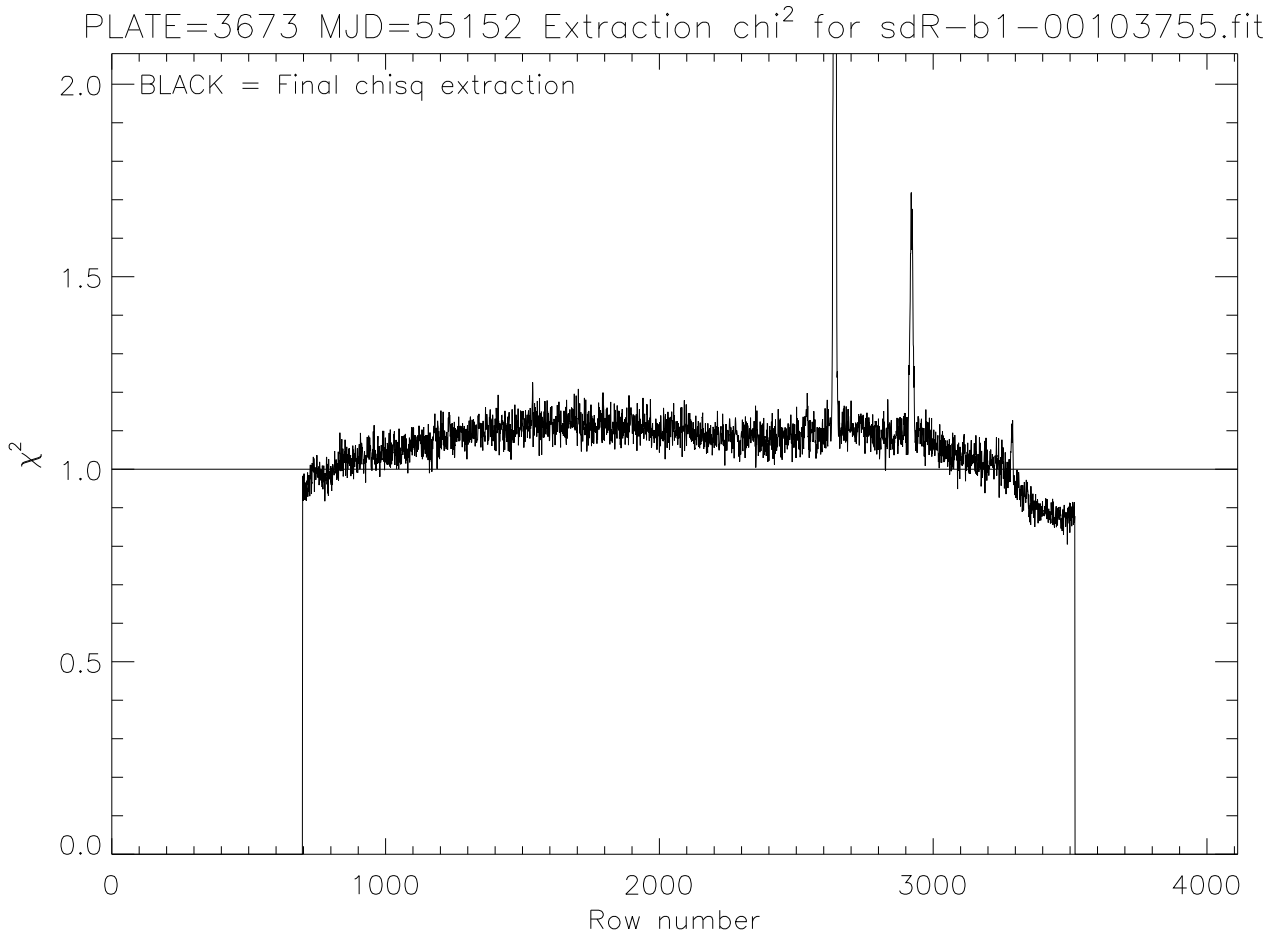
Number of sky fibers = 31

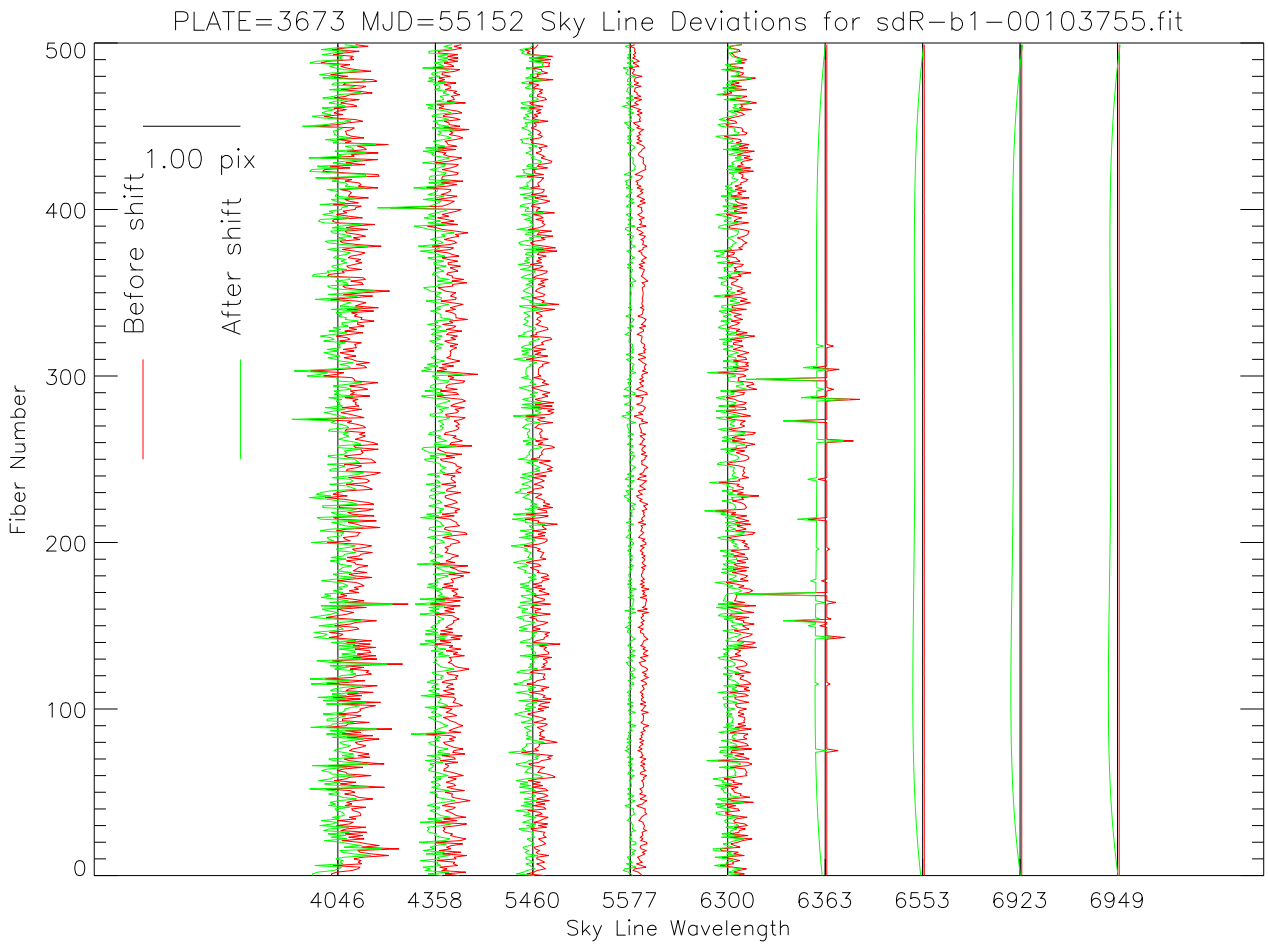


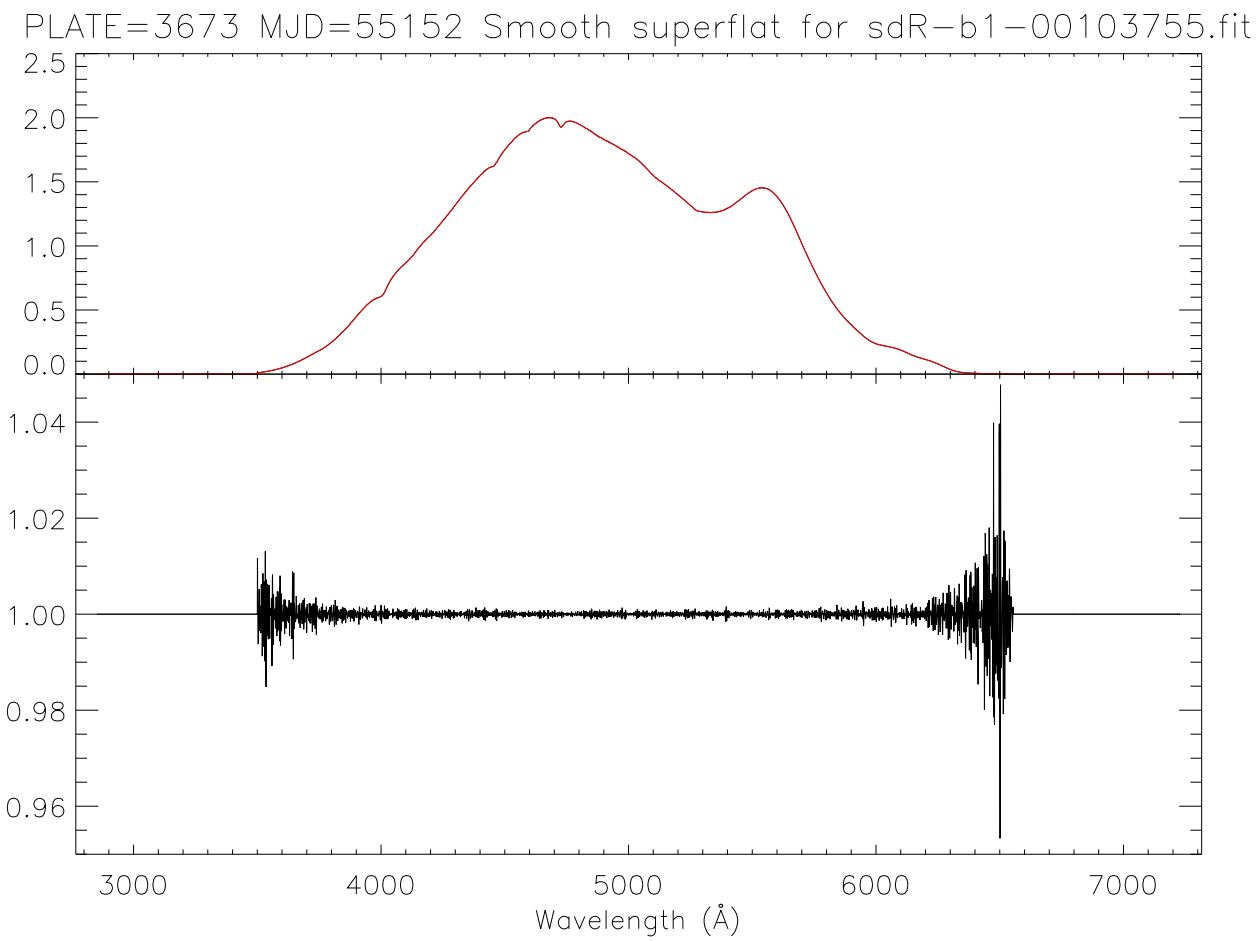

PLATE=3673 MJD=55152 sdR-b1-00103754.fit Skyline Flux at 4359.5
Flux (4359.5)/Airmass
RED = sky fiber
Dispersion = 11.35 %
Fiber number
Flux (4359.5)/Airmass
Focal Distance [mm]
Flux (4359.5)/Airmass
Airmass

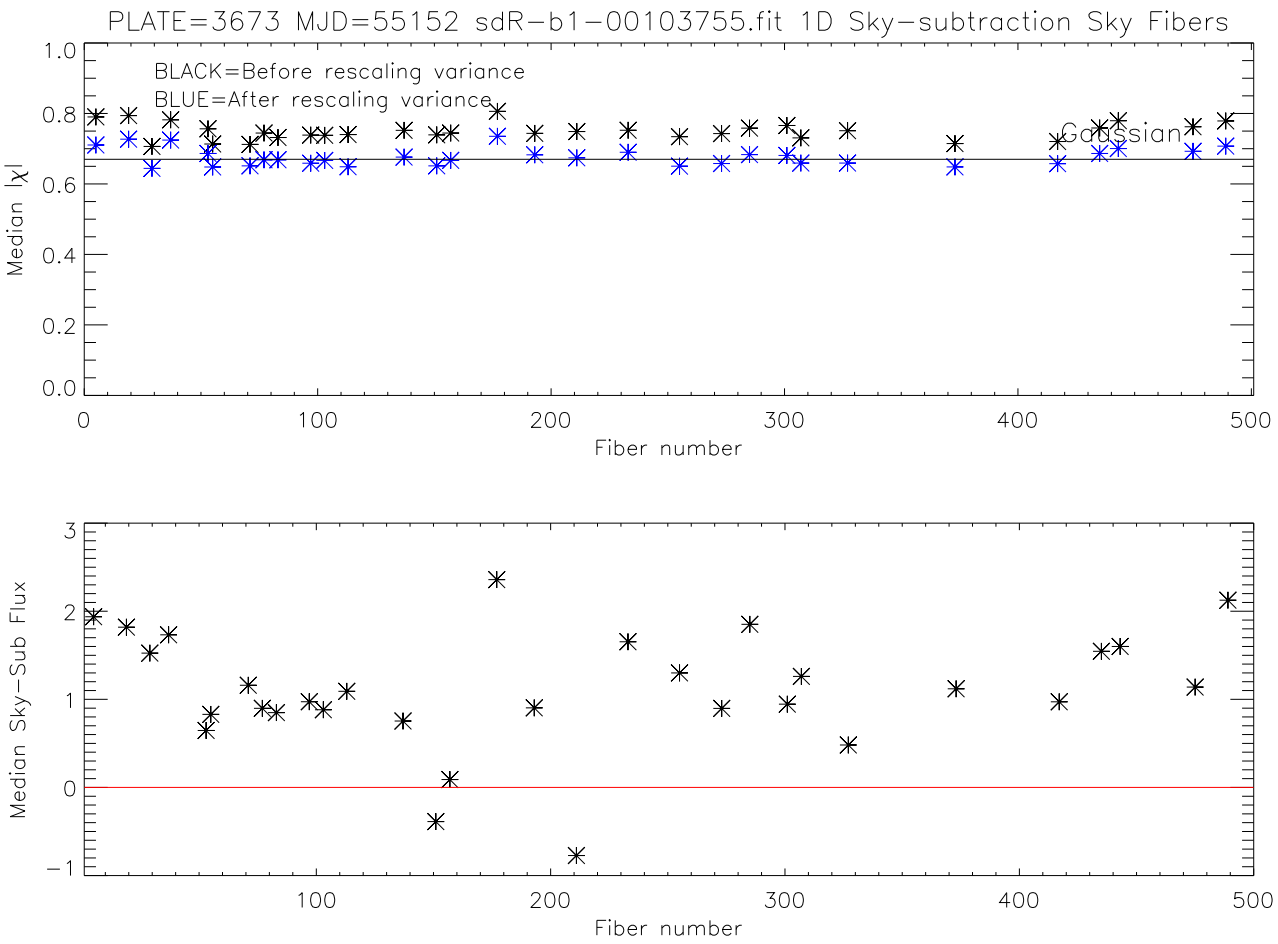

PLATE=3673 MJD=55152 sdR-b1-00103754.fit Skyline Flux at 5578.9
Flux (5578.9)/Airmass
Fiber number
RED = sky fiber
Dispersion = 1.18 %
Focal Distance [mm]
Airmass

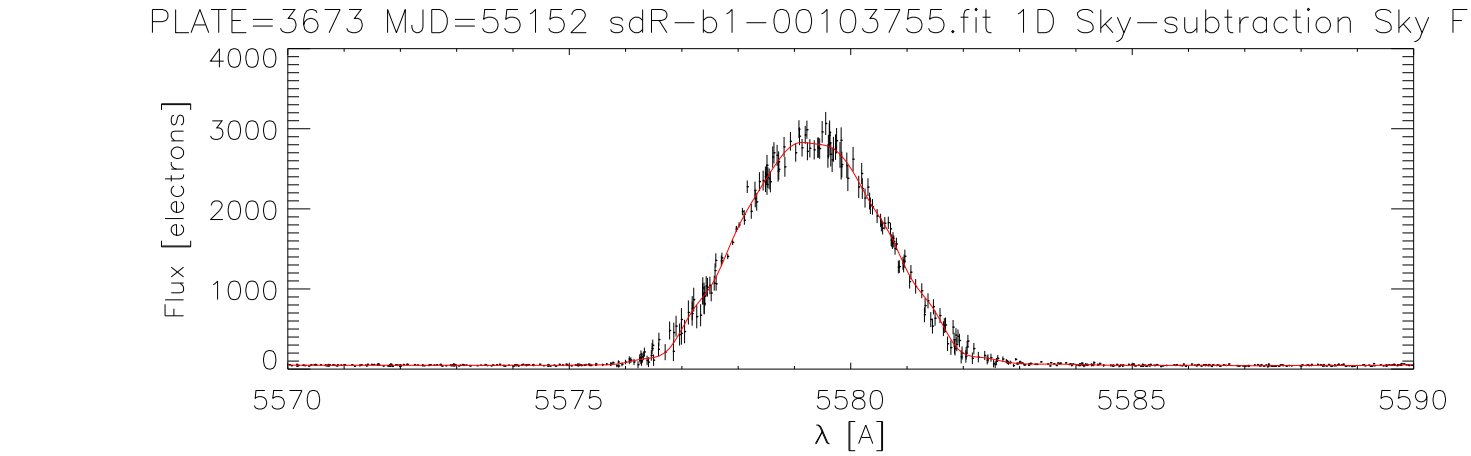

PLATE=3673 MJD=55152 Fiber−Flats for sdR−b1−00103756.fit
BLACK = Median value
ENVELOPE = 95% of points
GREEN = Outlier points
Min value = −4.081
Max value = 4.625
Fiber−Flat
1.5
1.0
0.5
0.0
3000
4000
5000
6000
7000
λ [A]
Fri Aug 26 17:28:06 2011

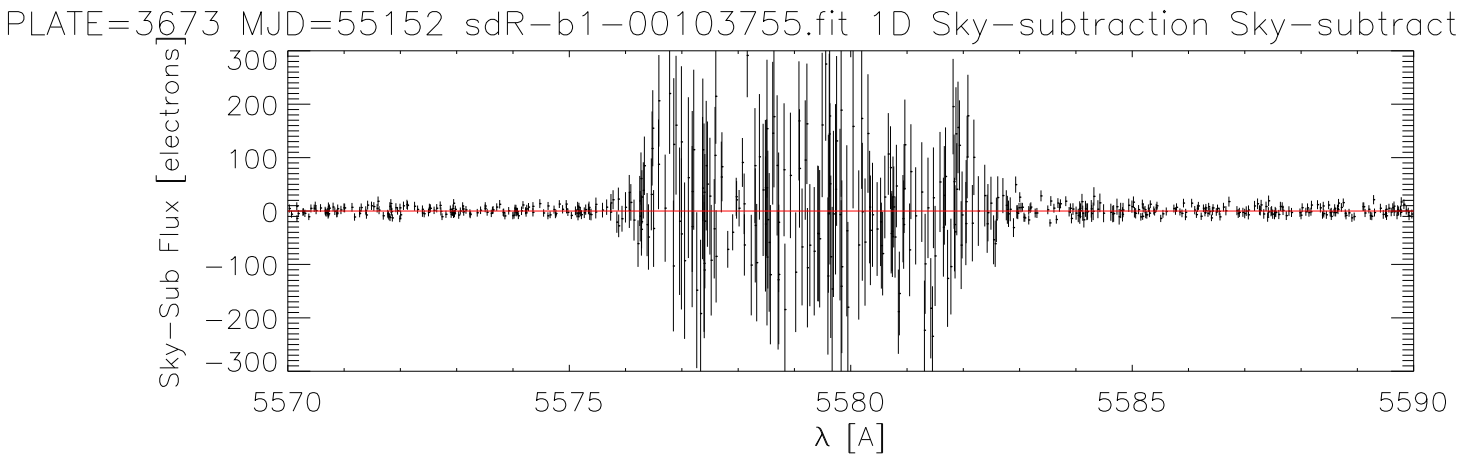

PLATE=3673 MJD=55152 Extraction chi^2 for sdR−b1−00103755.fit
BLACK = Final chisq extraction
χ^2
2.0
1.5
1.0
0.5
0.0
0
1000
2000
3000
4000
Row number


PLATE=3673 MJD=55152 Sky Line Deviations for sdR-b1-00103755.fit
1.00 pix
Before shift
After shift
Fiber Number
0
100
200
300
400
500
4046
4358
5460
5577
6300
6363
6553
6923
6949
Sky Line Wavelength

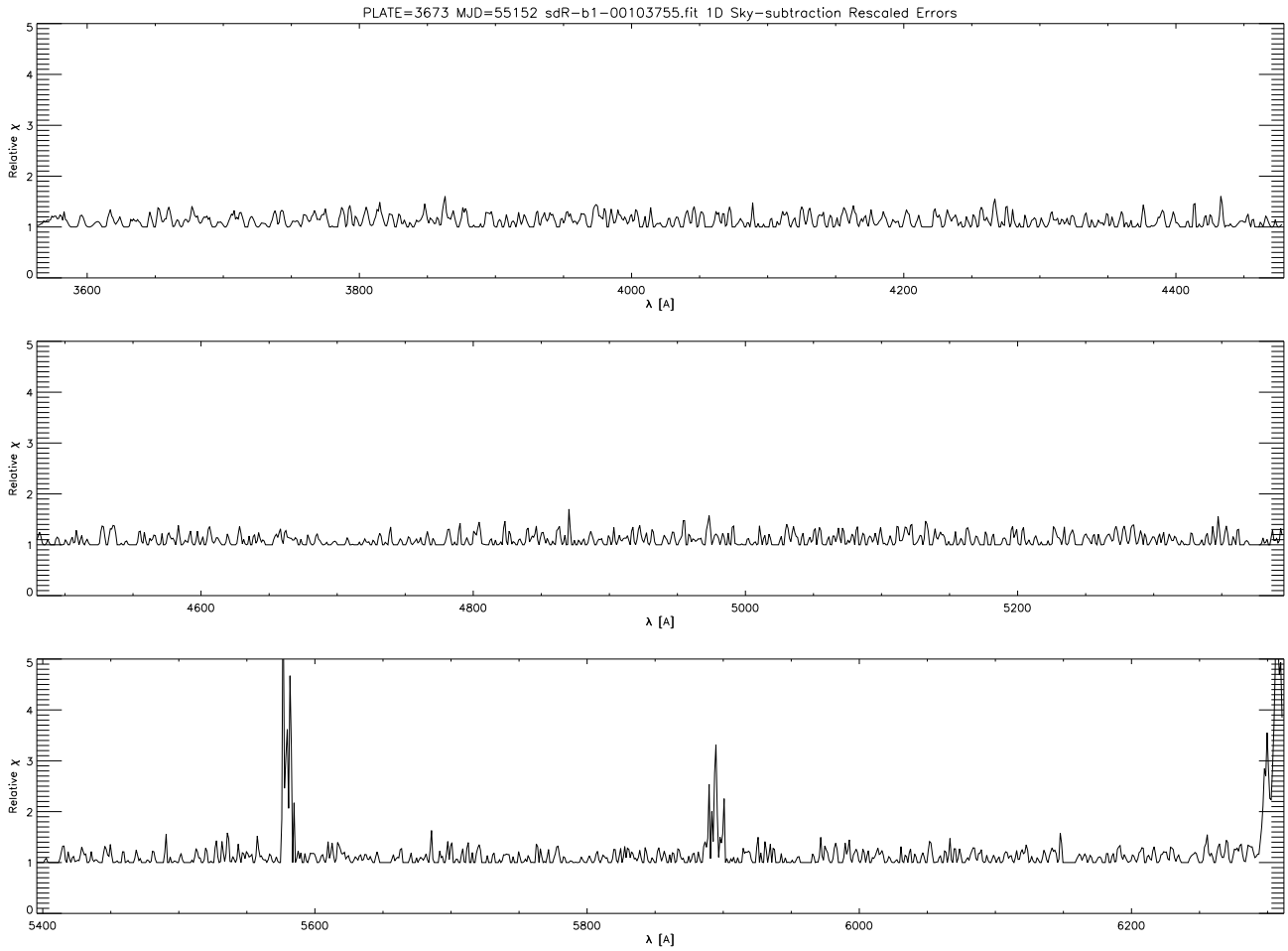

PLATE=3673 MJD=55152 Smooth superflat for sdR-b1-00103755.fit
2.5
2.0
1.5
1.0
0.5
0.0
1.04
1.02
1.00
0.98
0.96
3000
4000
5000
6000
7000
Wavelength (Å)

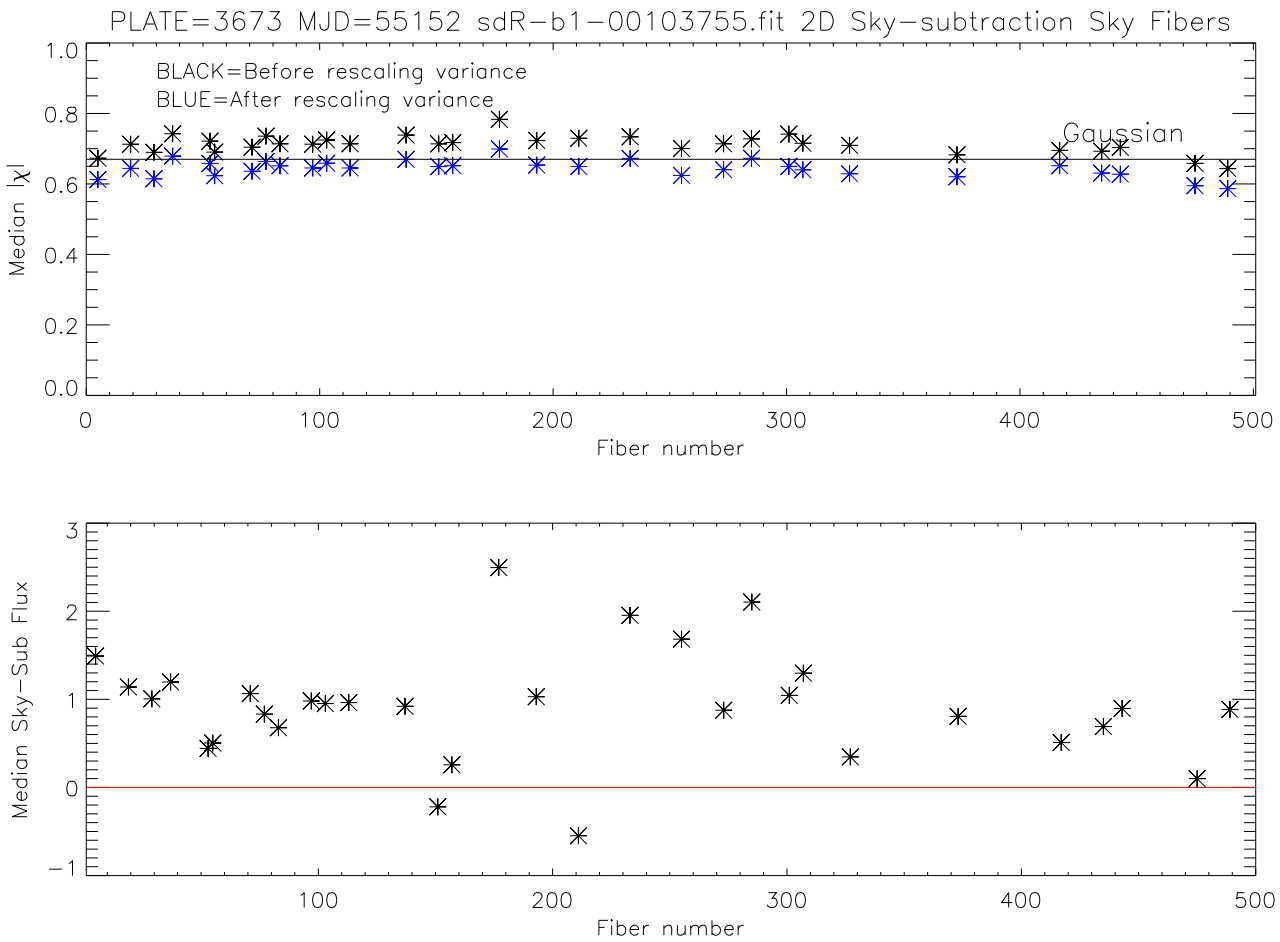

PLATE=3673 MJD=55152 sdR-b1-00103755.fit 1D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

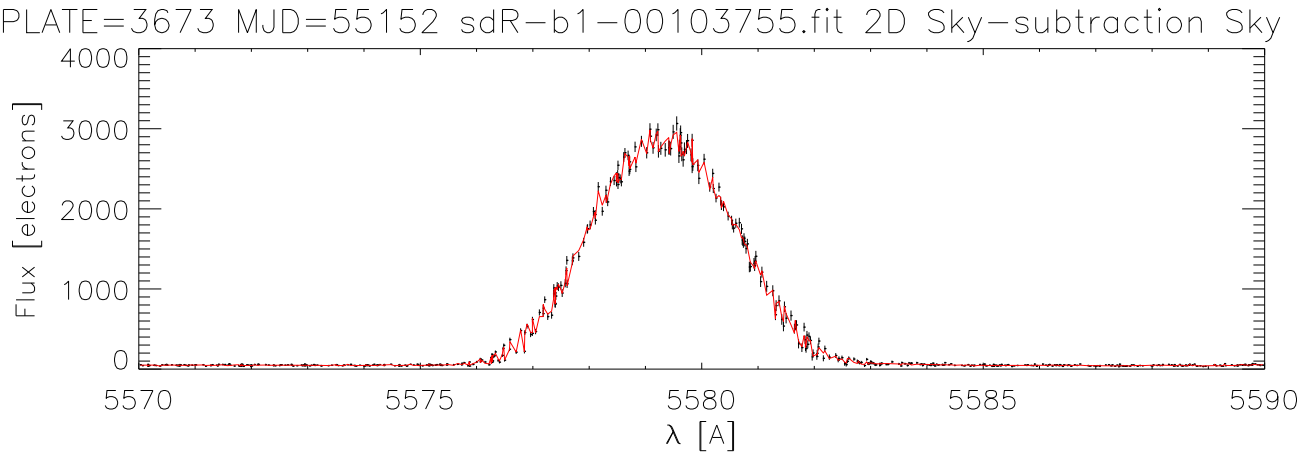

PLATE=3673 MJD=55152 sdR-b1-00103755.fit 1D Sky-subtraction Sky Fibers
Flux [electrons]
4000
3000
2000
1000
0
5570
5575
5580
5585
5590
λ [A]

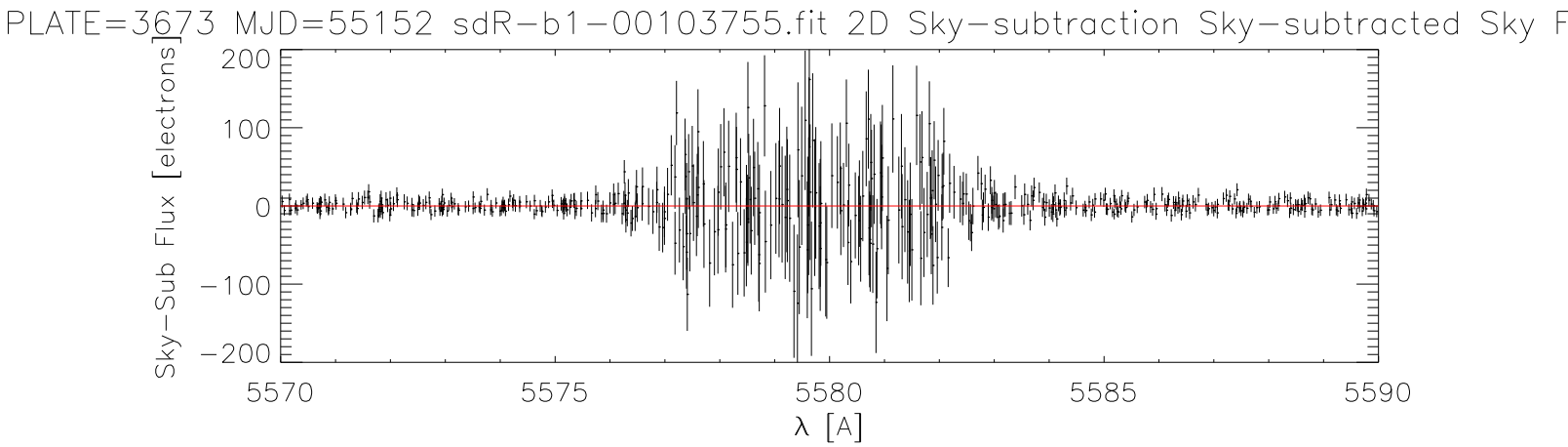

PLATE=3673 MJD=55152 sdR-b1-00103755.fit 1D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
300
200
100
0
-100
-200
-300
5570
5575
5580
5585
5590
λ [A]

Number of sky fibers = 31

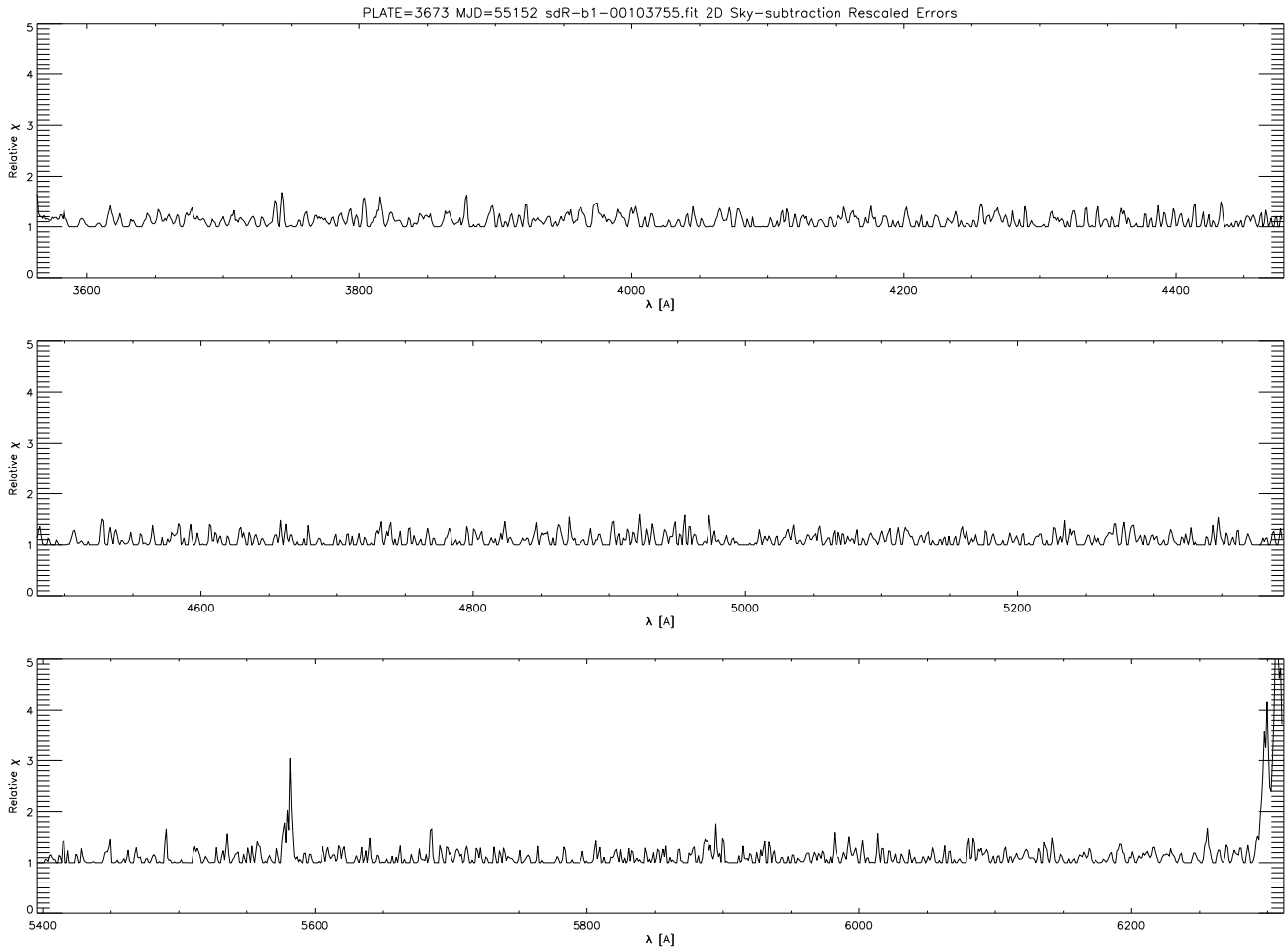


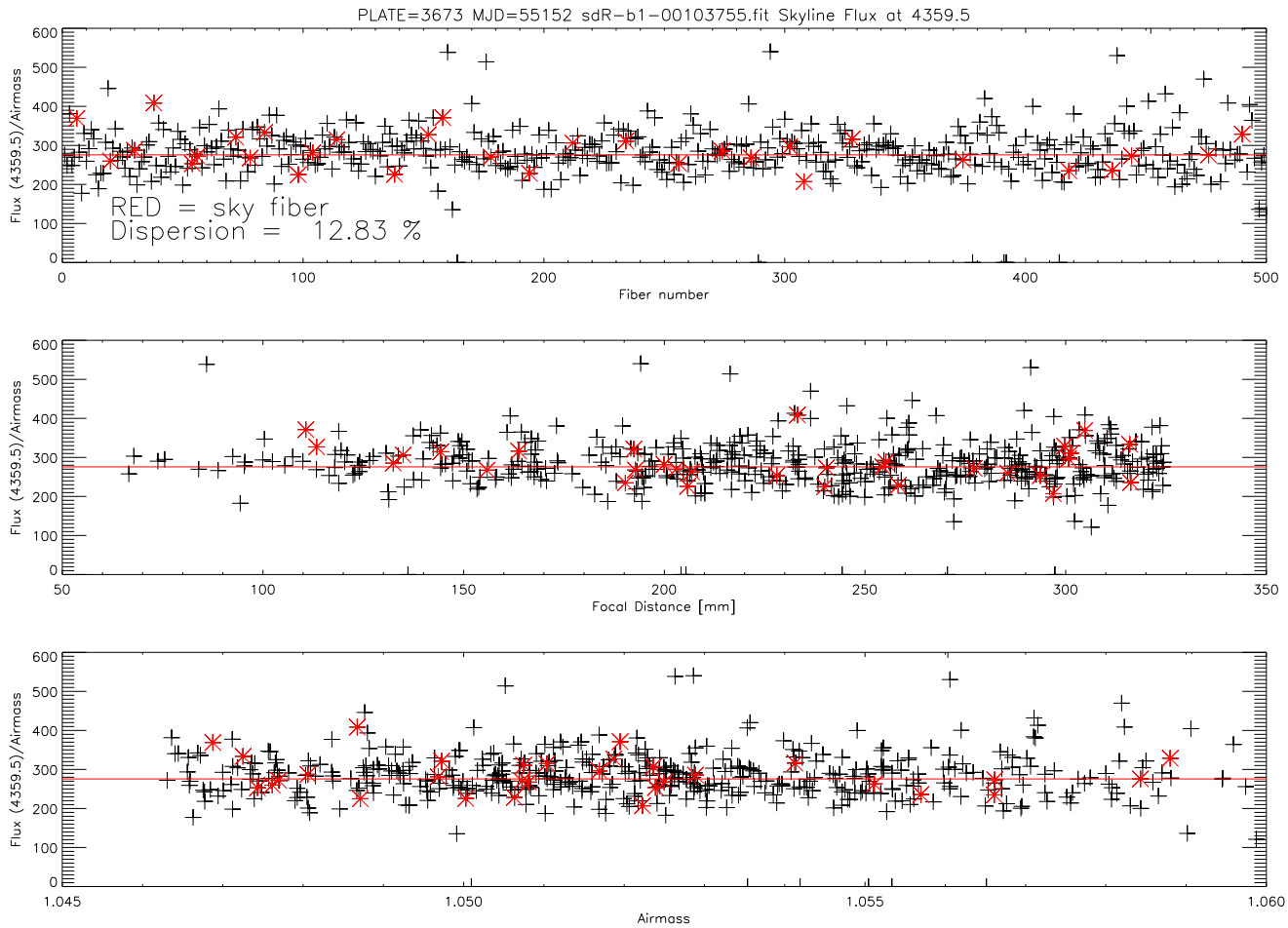

PLATE=3673 MJD=55152 sdR-b1-00103755.fit 2D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

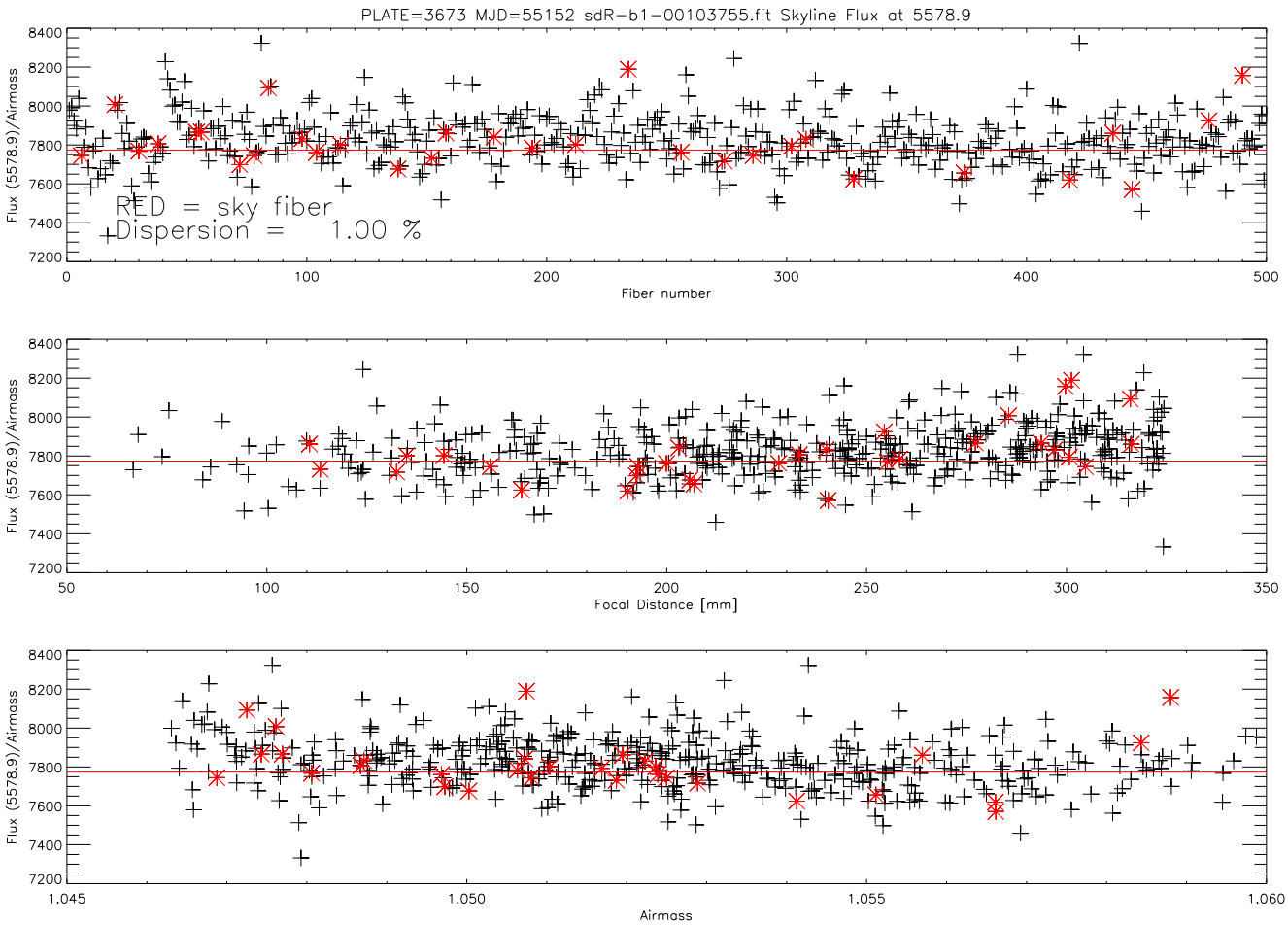

PLATE=3673 MJD=55152 sdR-b1-00103755.fit 2D Sky-subtraction Sky Fibers
Flux [electrons]
4000
3000
2000
1000
0
5570
5575
5580
5585
5590
λ [A]

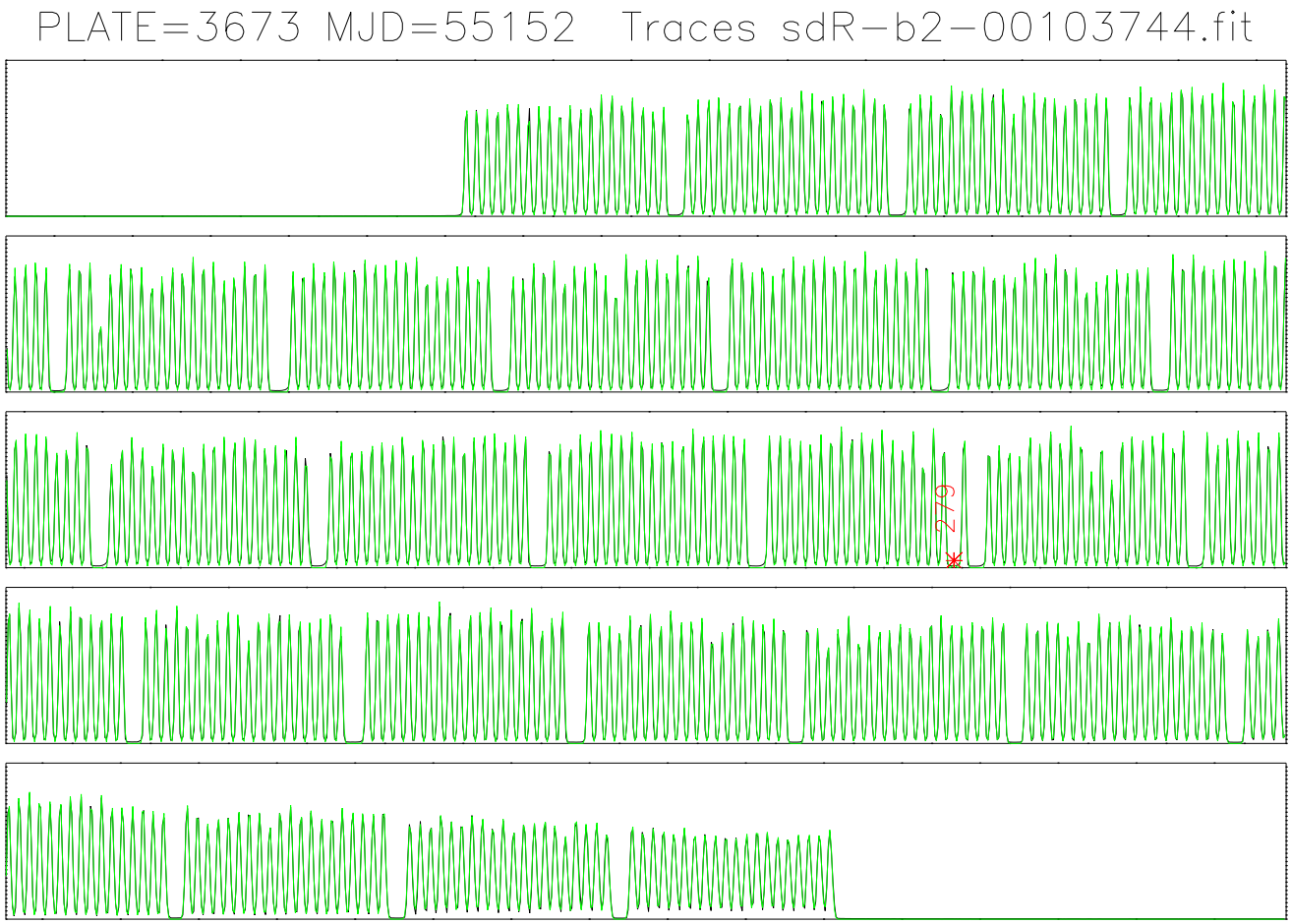

PLATE=3673 MJD=55152 sdR-b1-00103755.fit 2D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
200
100
0
-100
-200
5570
5575
5580
5585
5590
λ [A]

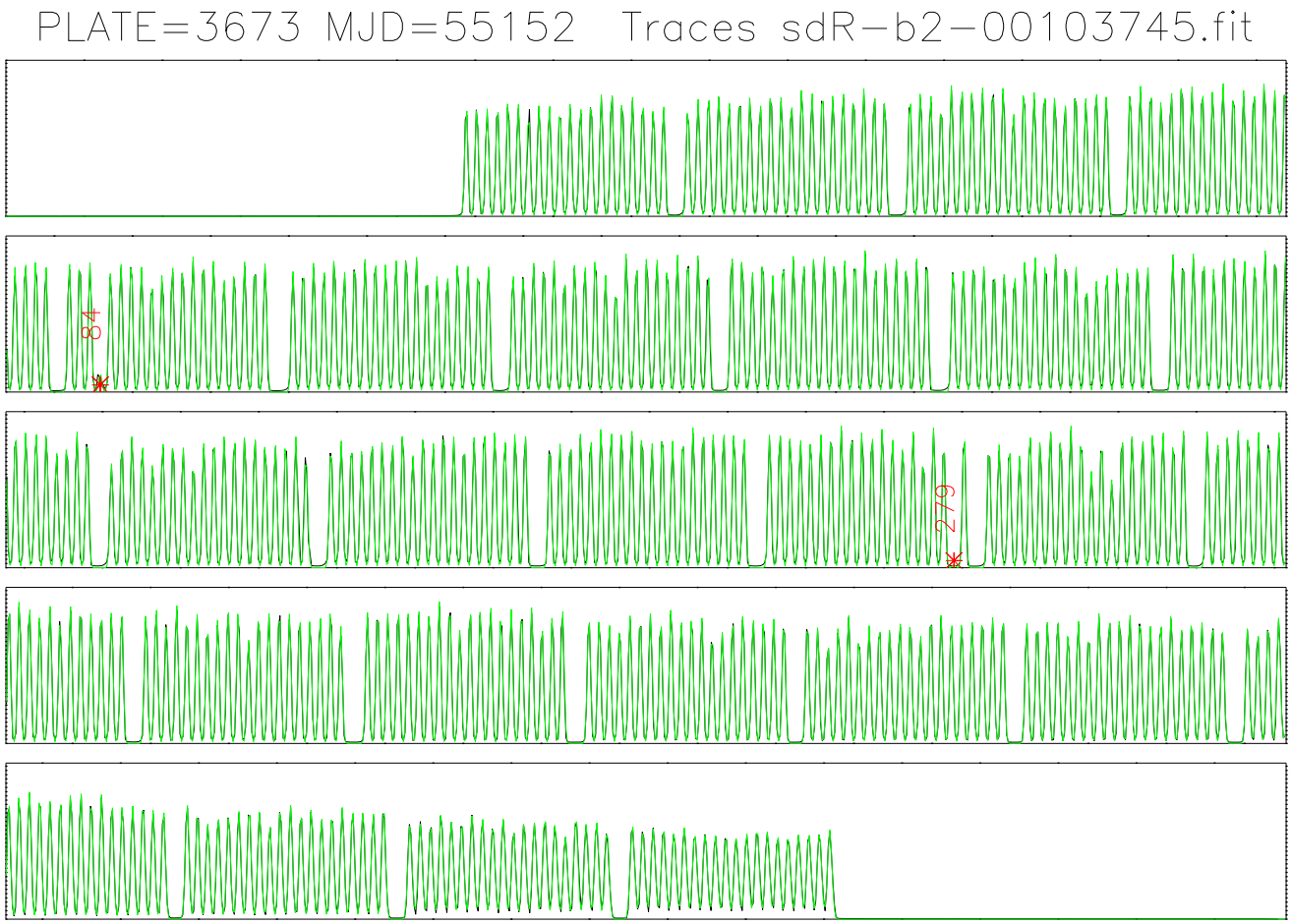
Number of sky fibers = 31



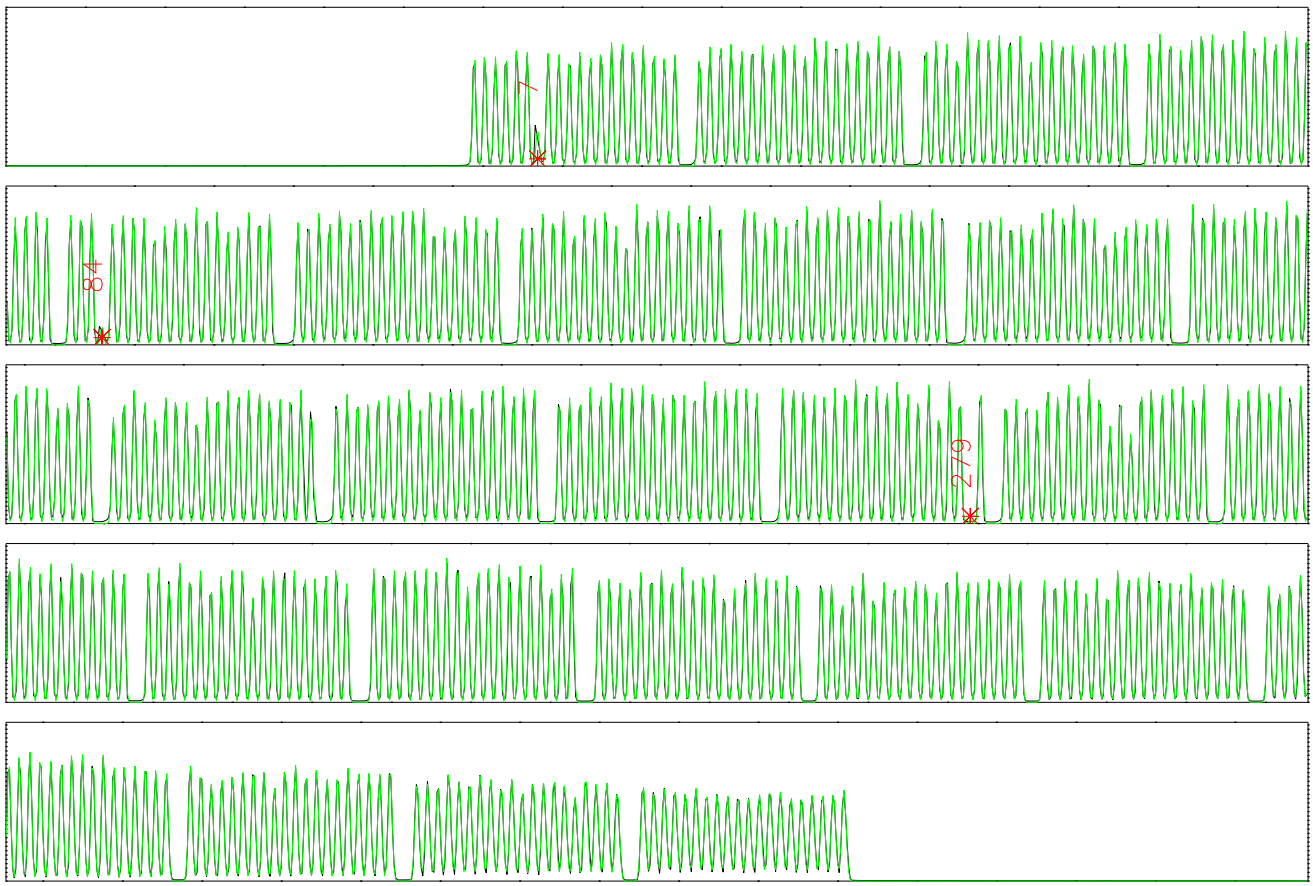

PLATE=3673 MJD=55152 sdR-b1-00103755.fit Skyline Flux at 4359.5
Flux (4359.5)/Airmass
RED = sky fiber
Dispersion = 12.83 %
Fiber number
Flux (4359.5)/Airmass
Focal Distance [mm]
Flux (4359.5)/Airmass
Airmass

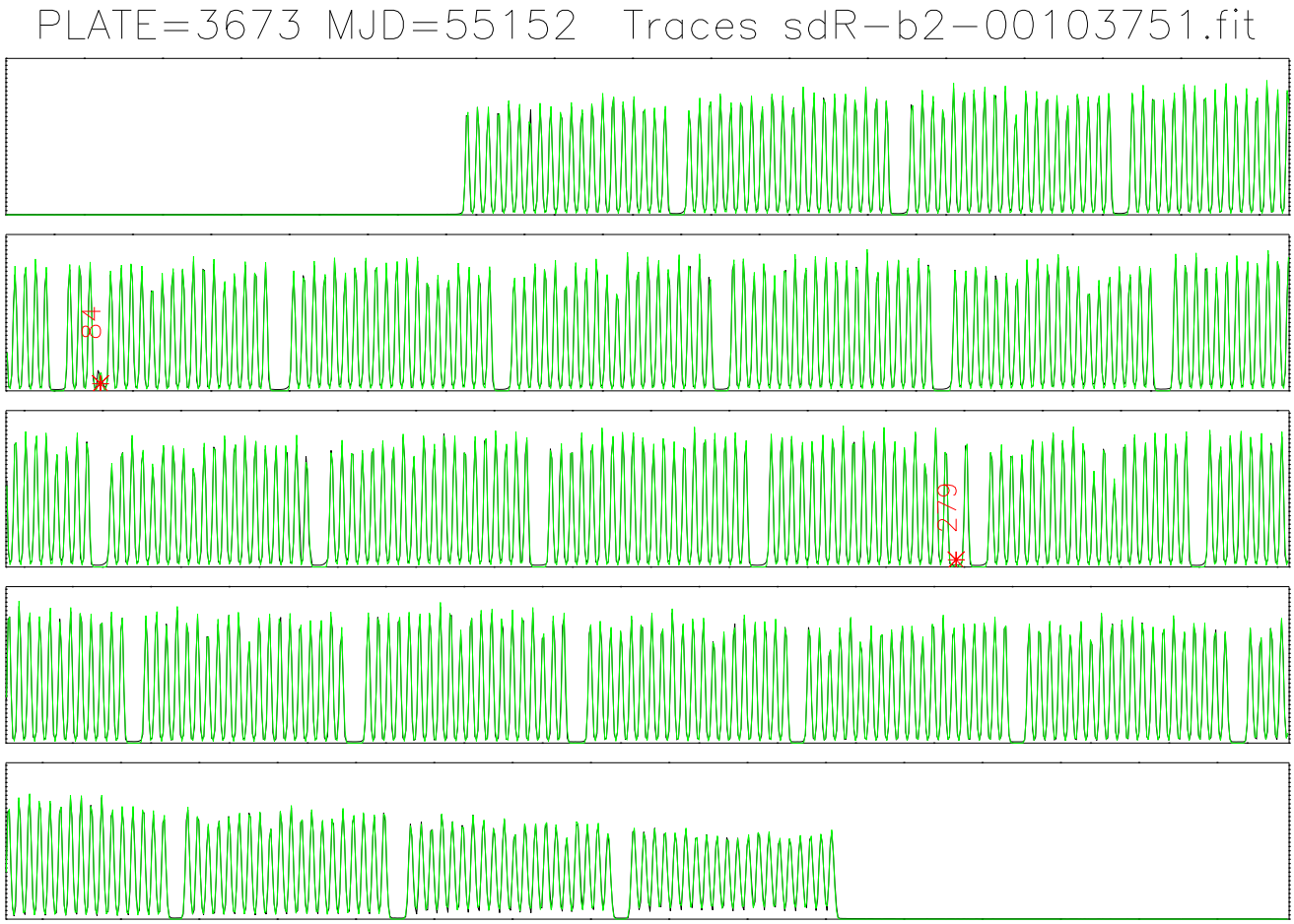

PLATE=3673 MJD=55152 sdR-b1-00103755.fit Skyline Flux at 5578.9
Flux (5578.9)/Airmass
Fiber number
RED = sky fiber
Dispersion = 1.00 %
Flux (5578.9)/Airmass
Focal Distance [mm]
Flux (5578.9)/Airmass
Airmass

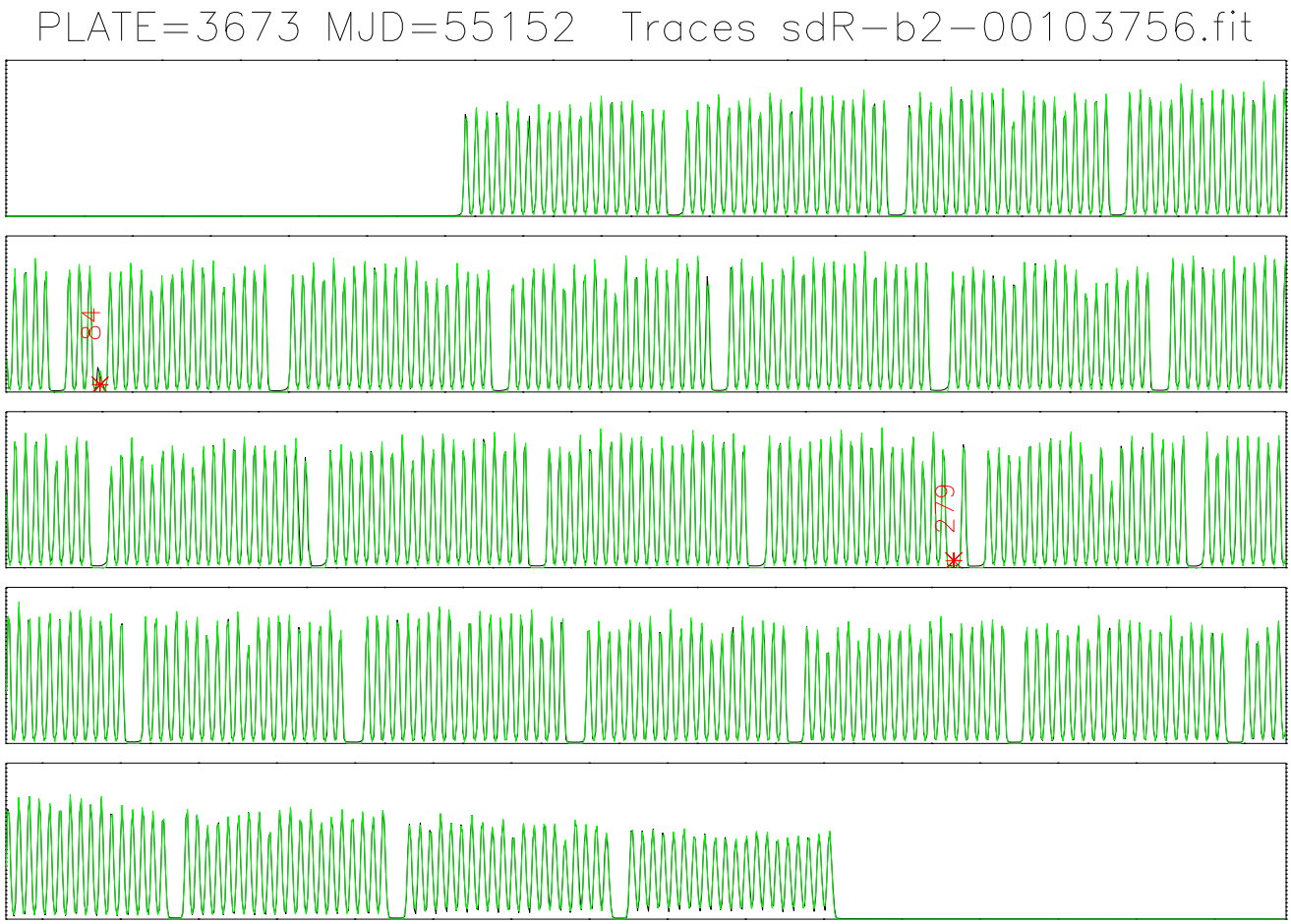

PLATE=3673 MJD=55152 Traces sdR-b2-00103744.fit
279

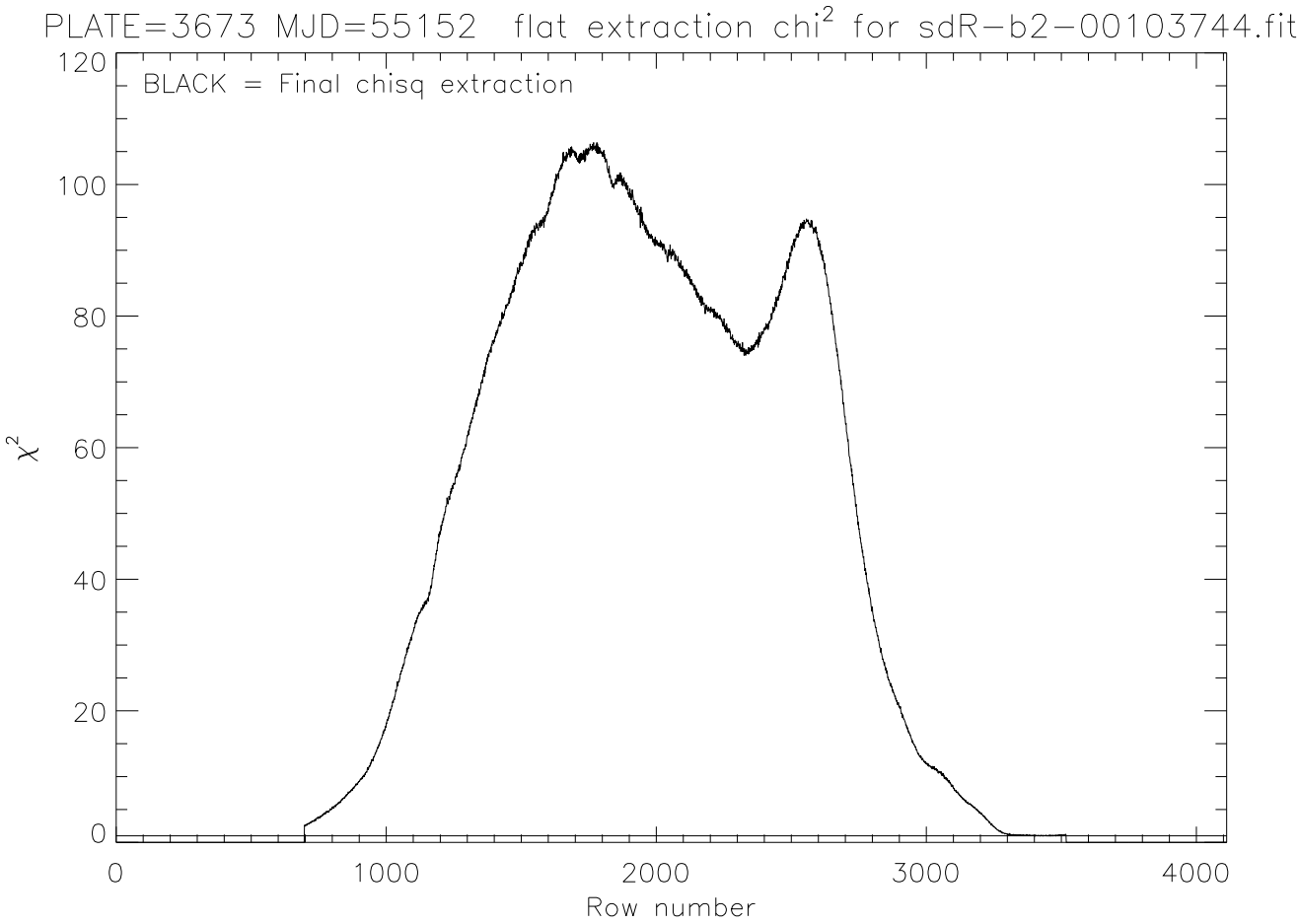

PLATE=3673 MJD=55152 Traces sdR-b2-00103745.fit
84
279

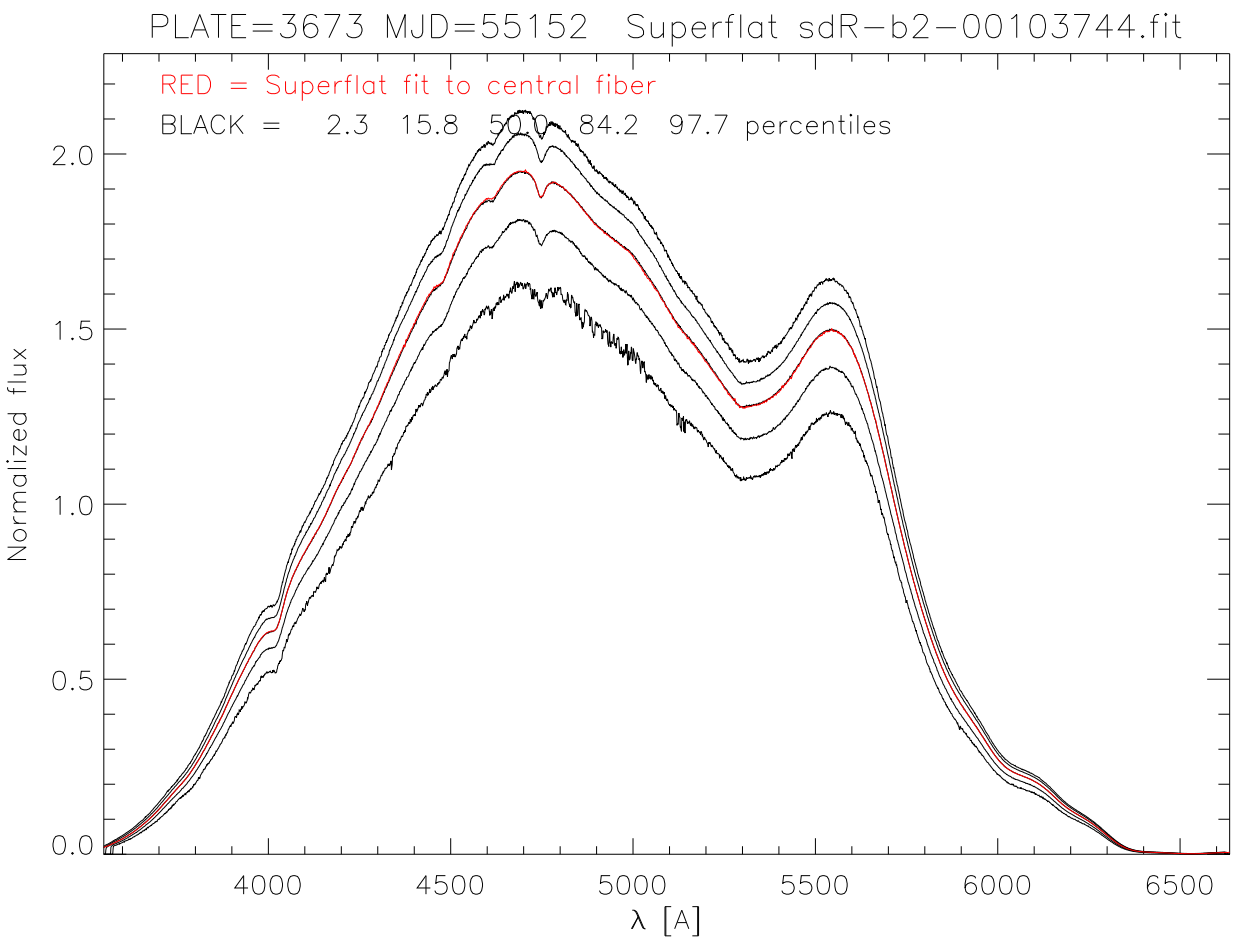
PLATE=3673 MJD=55152 Traces sdR-b2-00103747.fit

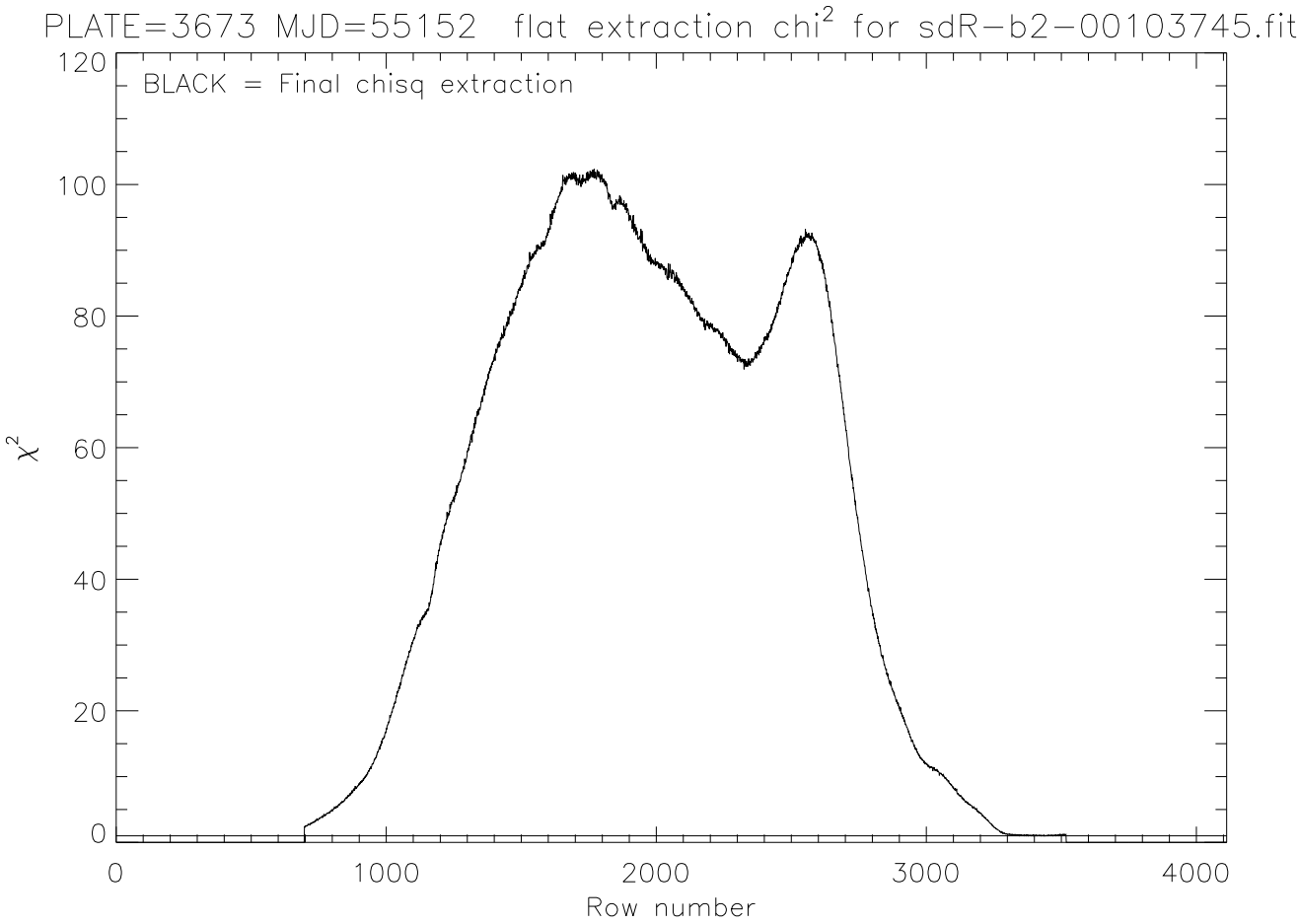


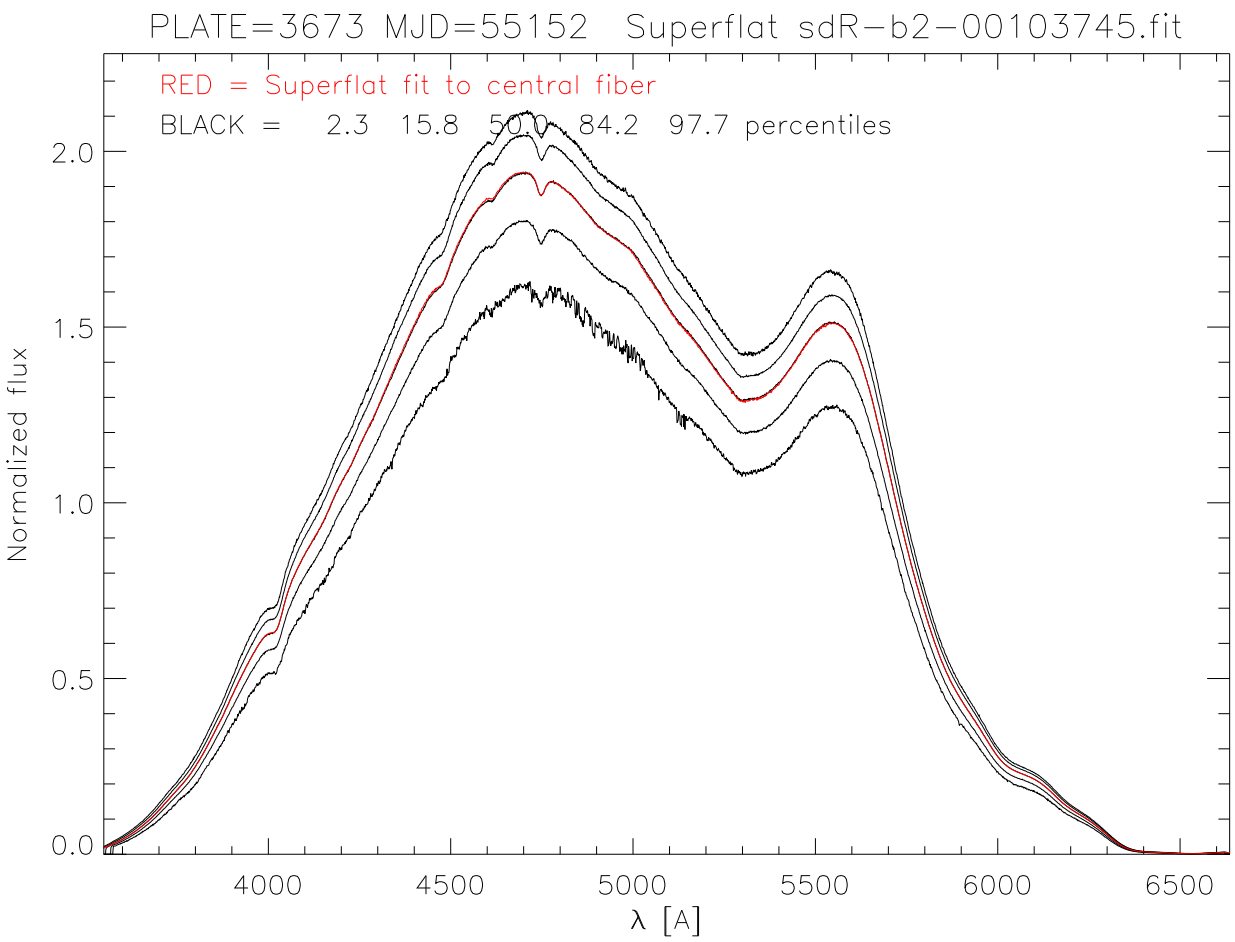

PLATE=3673 MJD=55152 Traces sdR-b2-00103751.fit
84
279

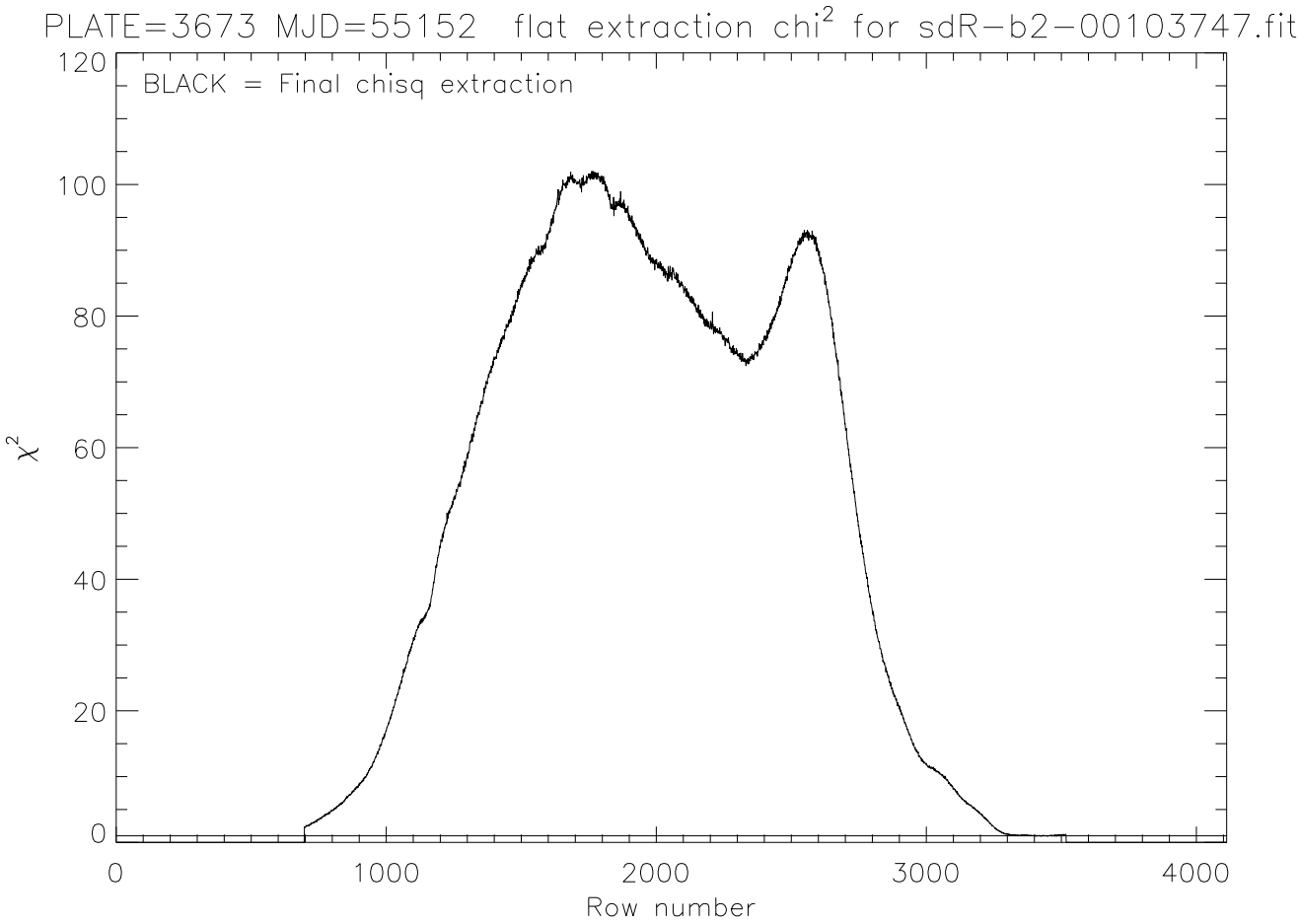

PLATE=3673 MJD=55152 Traces sdR-b2-00103756.fit
84
279

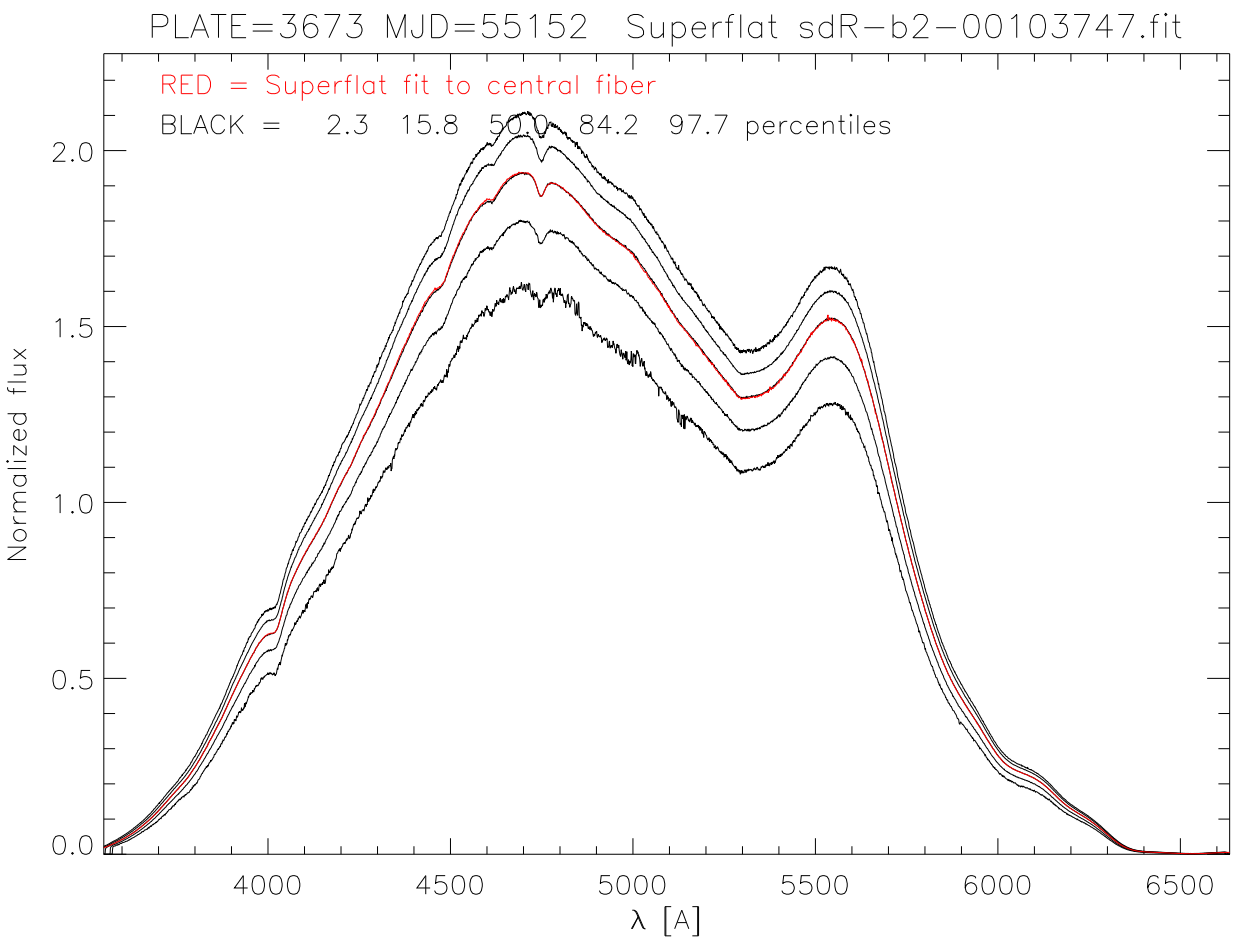

PLATE=3673 MJD=55152 flat extraction chi^2 for sdR−b2−00103744.fit
BLACK = Final chisq extraction
χ^2
Row number
0
20
40
60
80
100
120
0
1000
2000
3000
4000

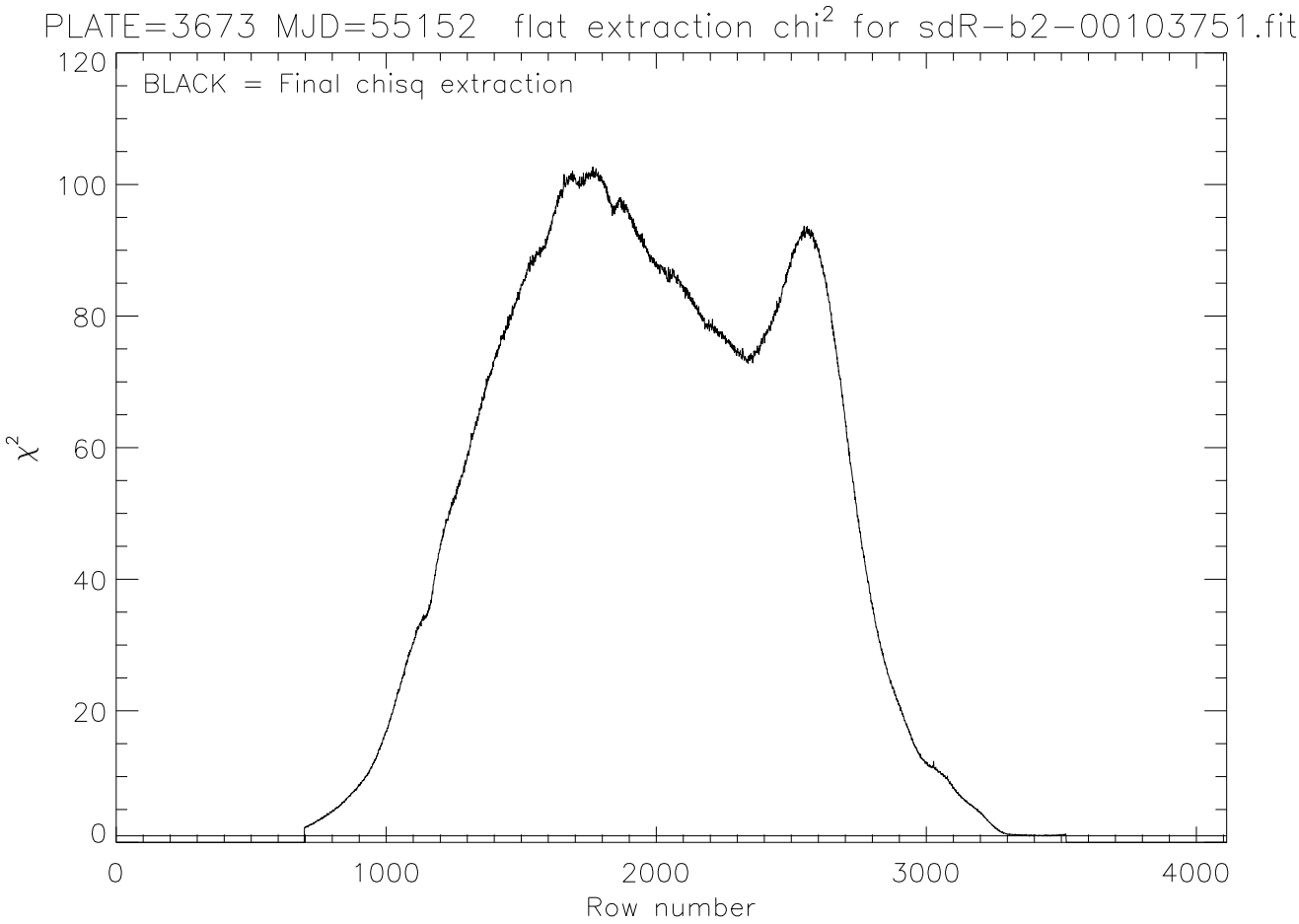

PLATE=3673 MJD=55152 Superflat sdR-b2-00103744.fit
RED = Superflat fit to central fiber
BLACK = 2.3 15.8 50.0 84.2 97.7 percentiles
Normalized flux
0.0
0.5
1.0
1.5
2.0
4000
4500
5000
5500
6000
6500
λ [A]

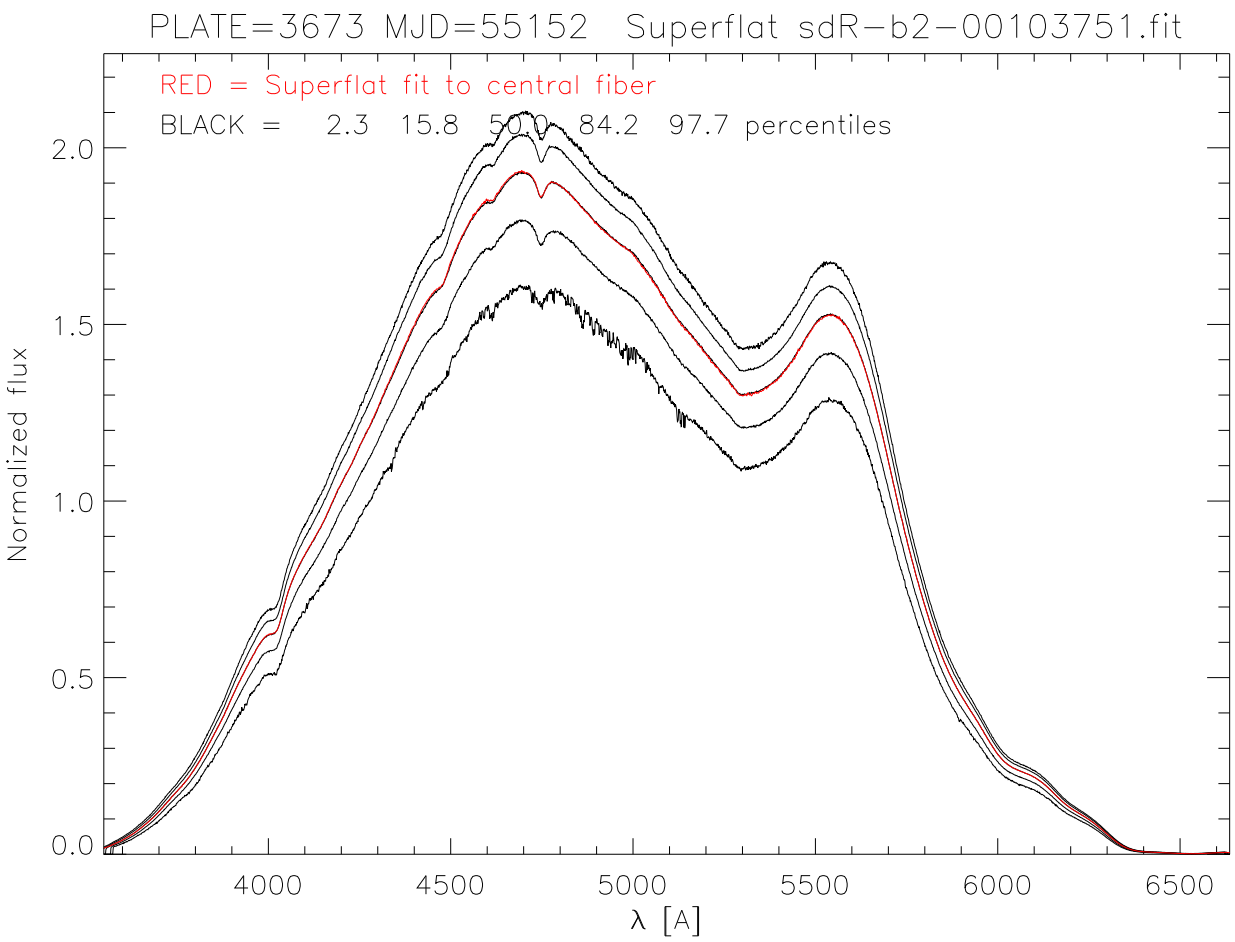

PLATE=3673 MJD=55152 flat extraction chi^2 for sdR−b2−00103745.fit
BLACK = Final chisq extraction
χ^2
Row number
0
20
40
60
80
100
120
0
1000
2000
3000
4000

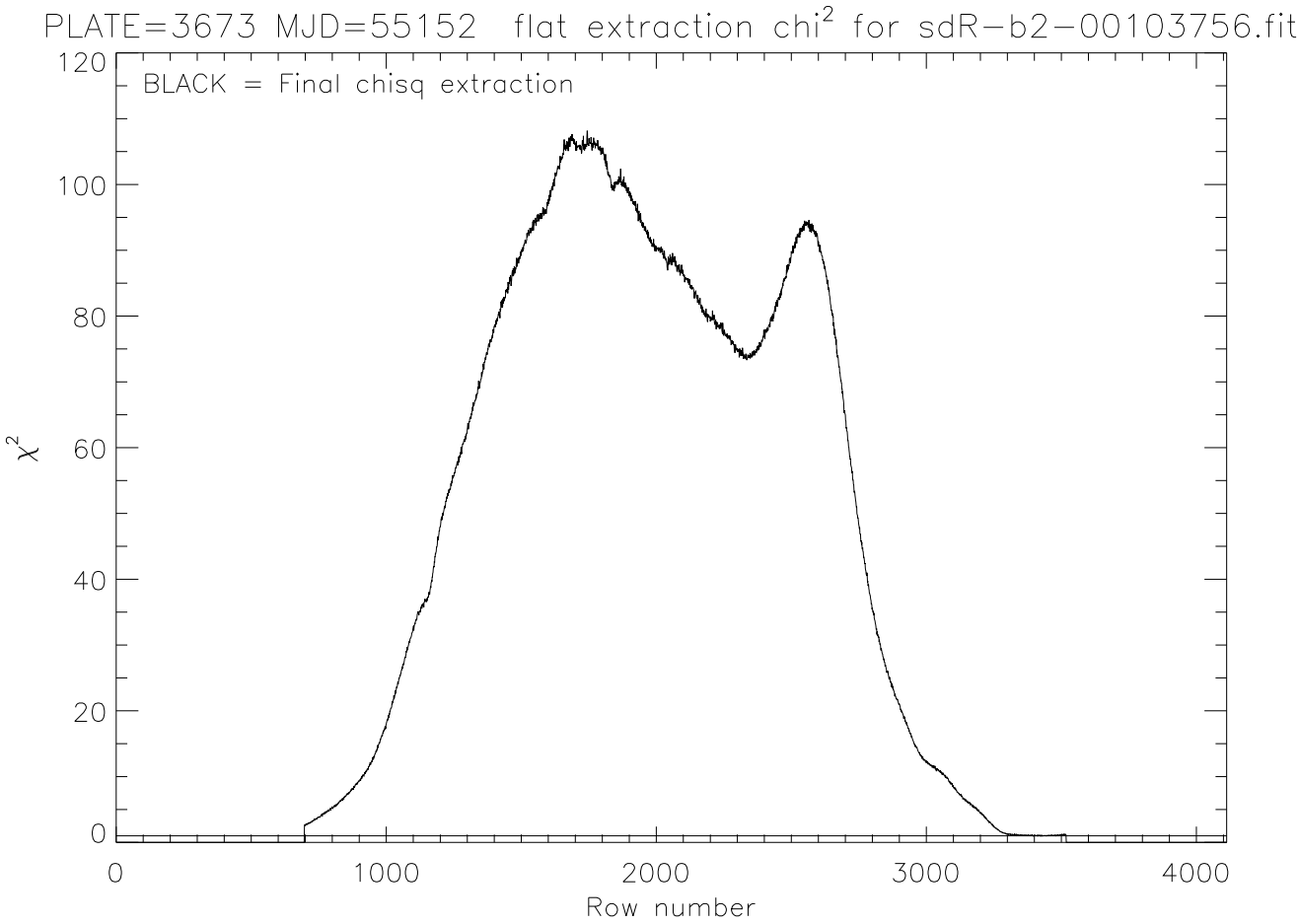

PLATE=3673 MJD=55152 Superflat sdR-b2-00103745.fit
RED = Superflat fit to central fiber
BLACK = 2.3 15.8 50.0 84.2 97.7 percentiles
Normalized flux
λ [A]
0.0
0.5
1.0
1.5
2.0
4000
4500
5000
5500
6000
6500

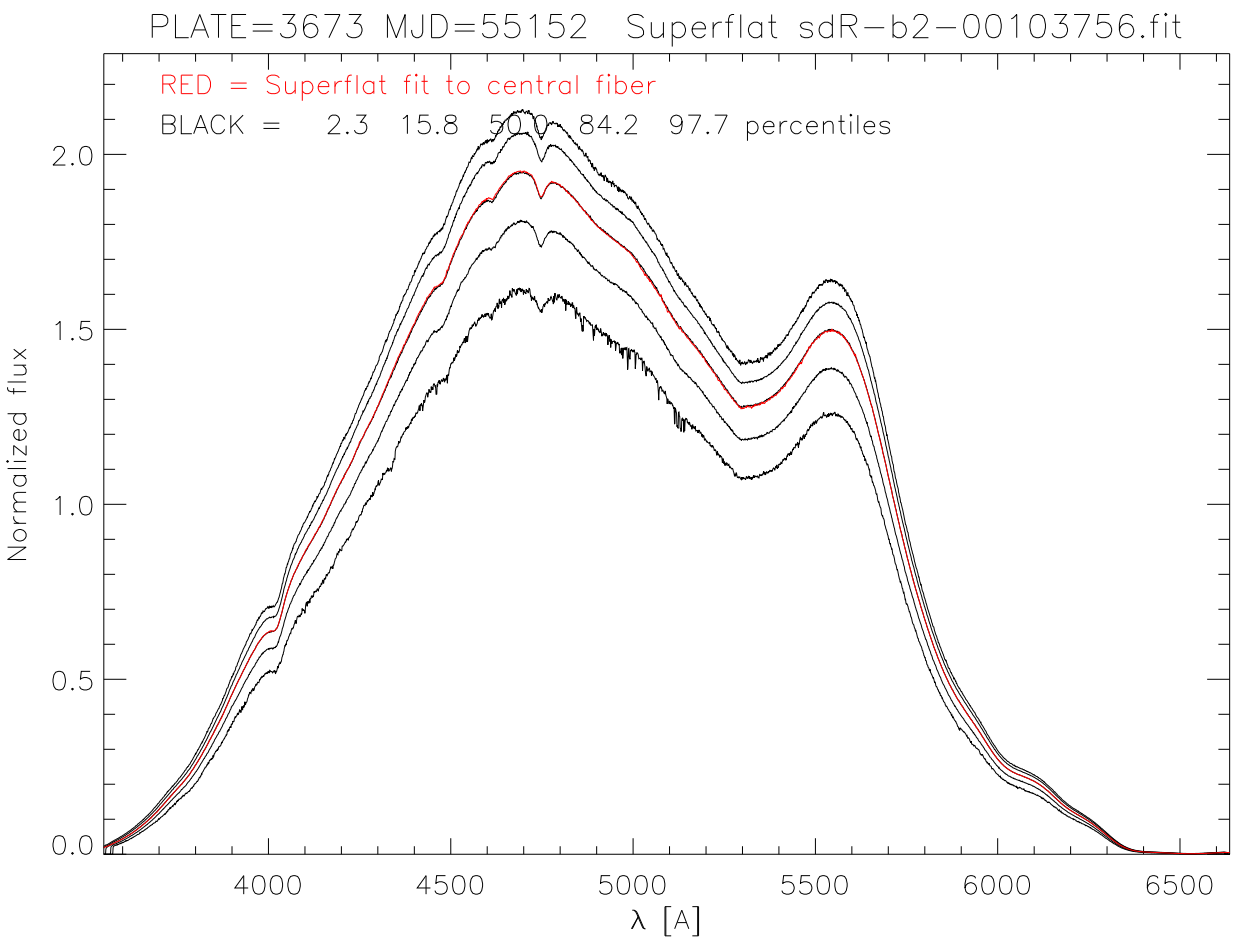

PLATE=3673 MJD=55152 flat extraction chi^2 for sdR−b2−00103747.fit
BLACK = Final chisq extraction
χ^2
Row number
0
20
40
60
80
100
120
0
1000
2000
3000
4000

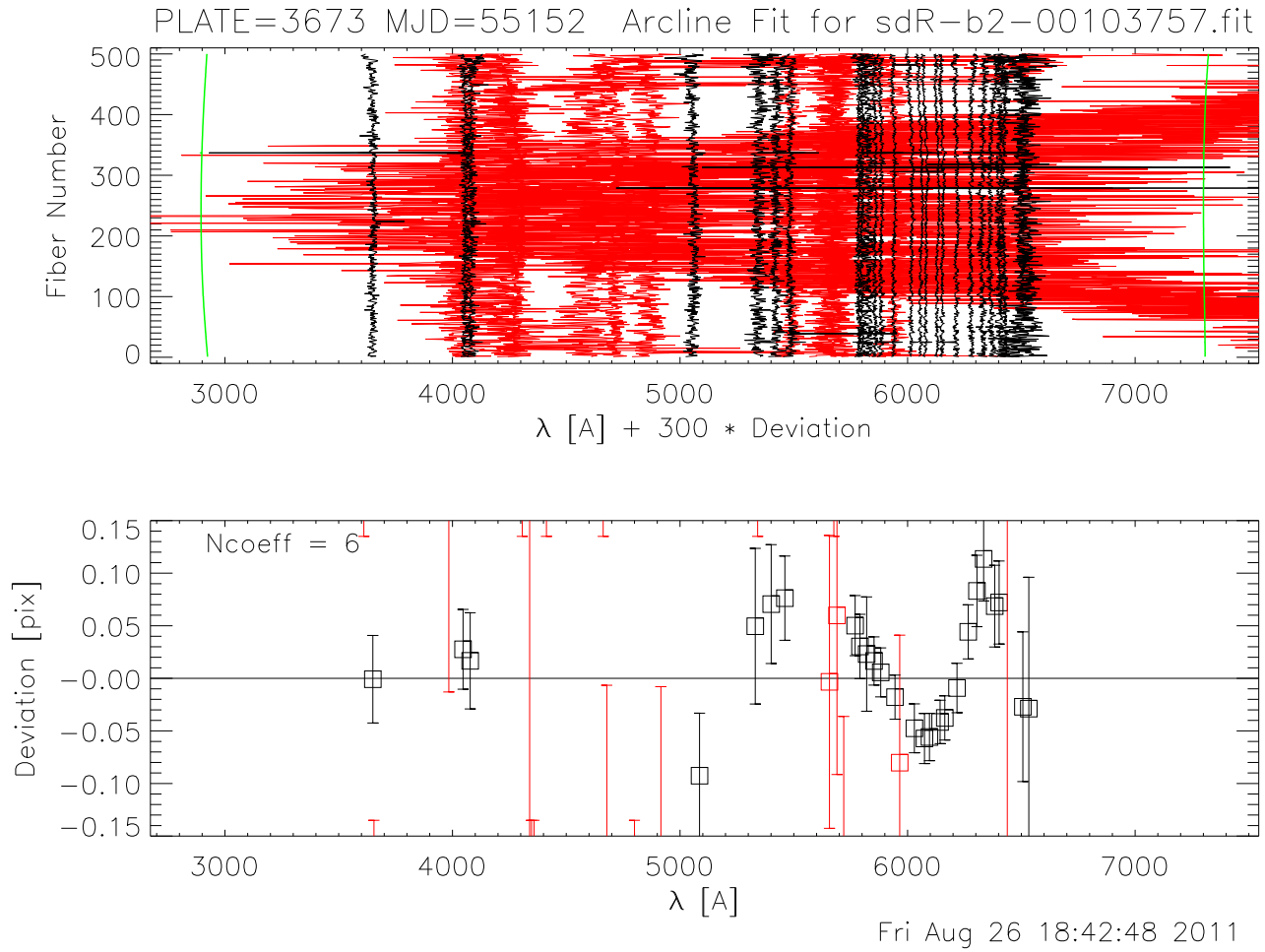

PLATE=3673 MJD=55152 Superflat sdR-b2-00103747.fit
RED = Superflat fit to central fiber
BLACK = 2.3 15.8 50.0 84.2 97.7 percentiles
Normalized flux
λ [A]
0.0
0.5
1.0
1.5
2.0
4000
4500
5000
5500
6000
6500

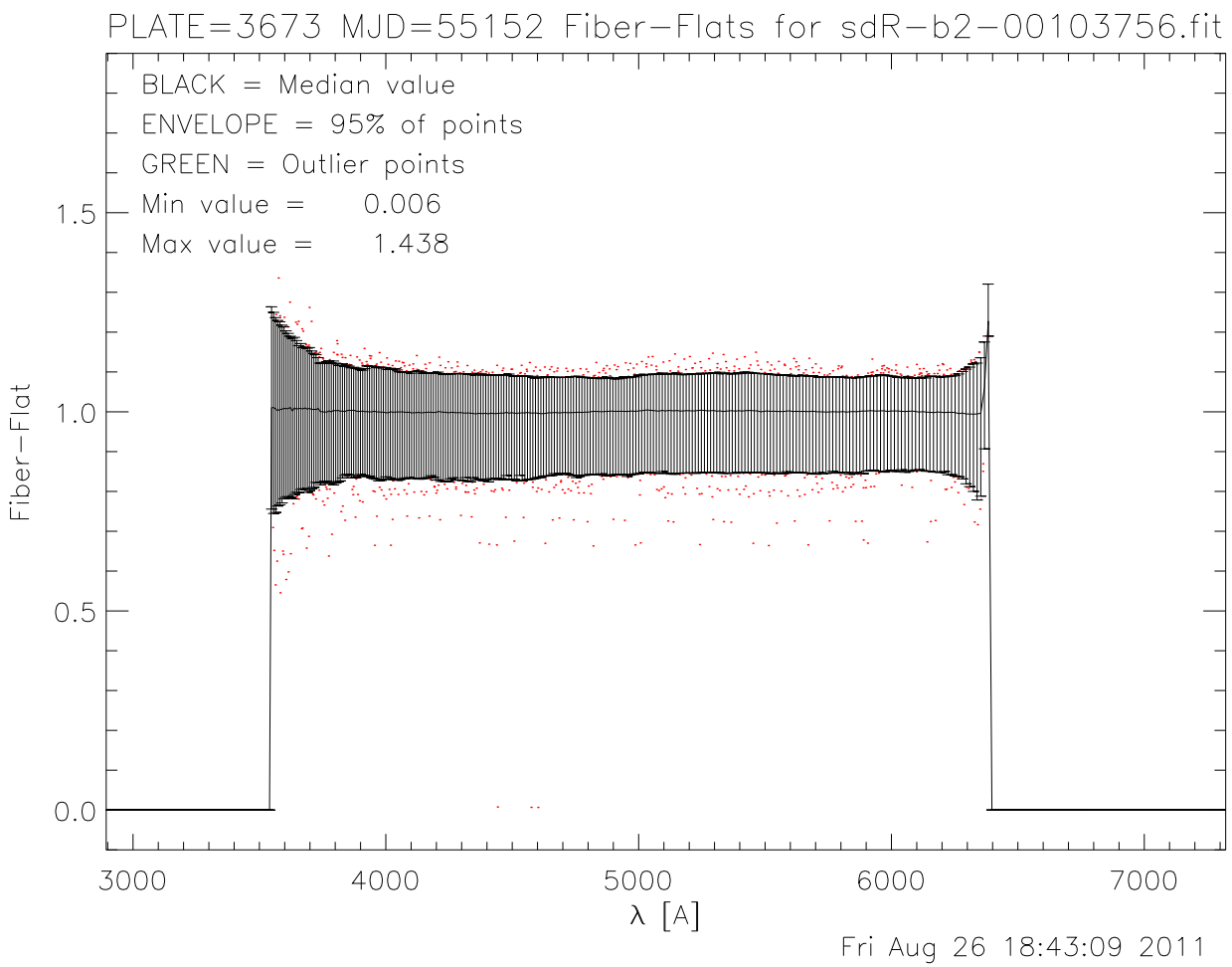

PLATE=3673 MJD=55152 flat extraction chi^2 for sdR−b2−00103751.fit
BLACK = Final chisq extraction
χ^2
Row number
0
20
40
60
80
100
120
0
1000
2000
3000
4000

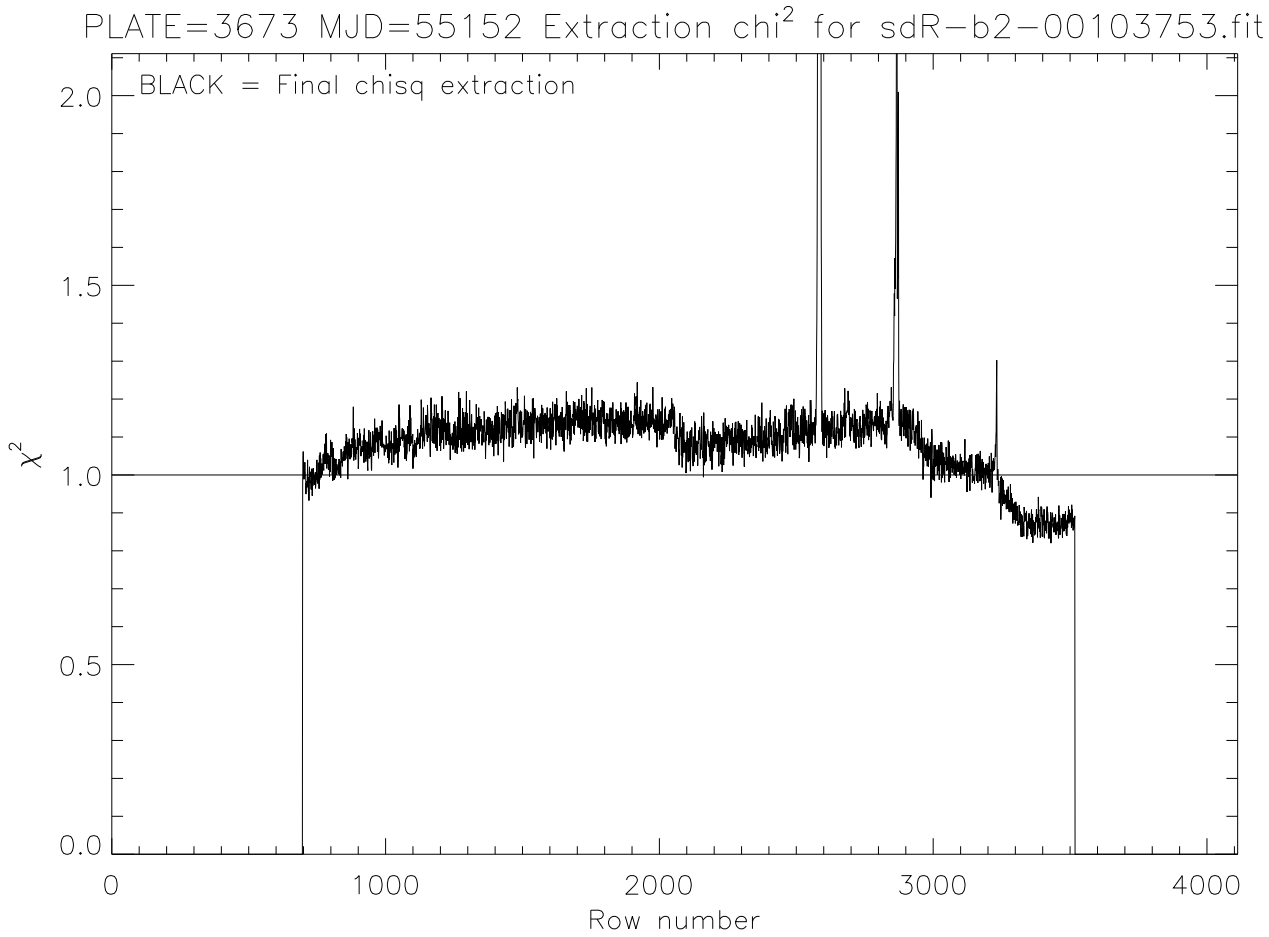

PLATE=3673 MJD=55152 Superflat sdR-b2-00103751.fit
RED = Superflat fit to central fiber
BLACK = 2.3 15.8 50.0 84.2 97.7 percentiles
Normalized flux
0.0
0.5
1.0
1.5
2.0
4000
4500
5000
5500
6000
6500
λ [A]

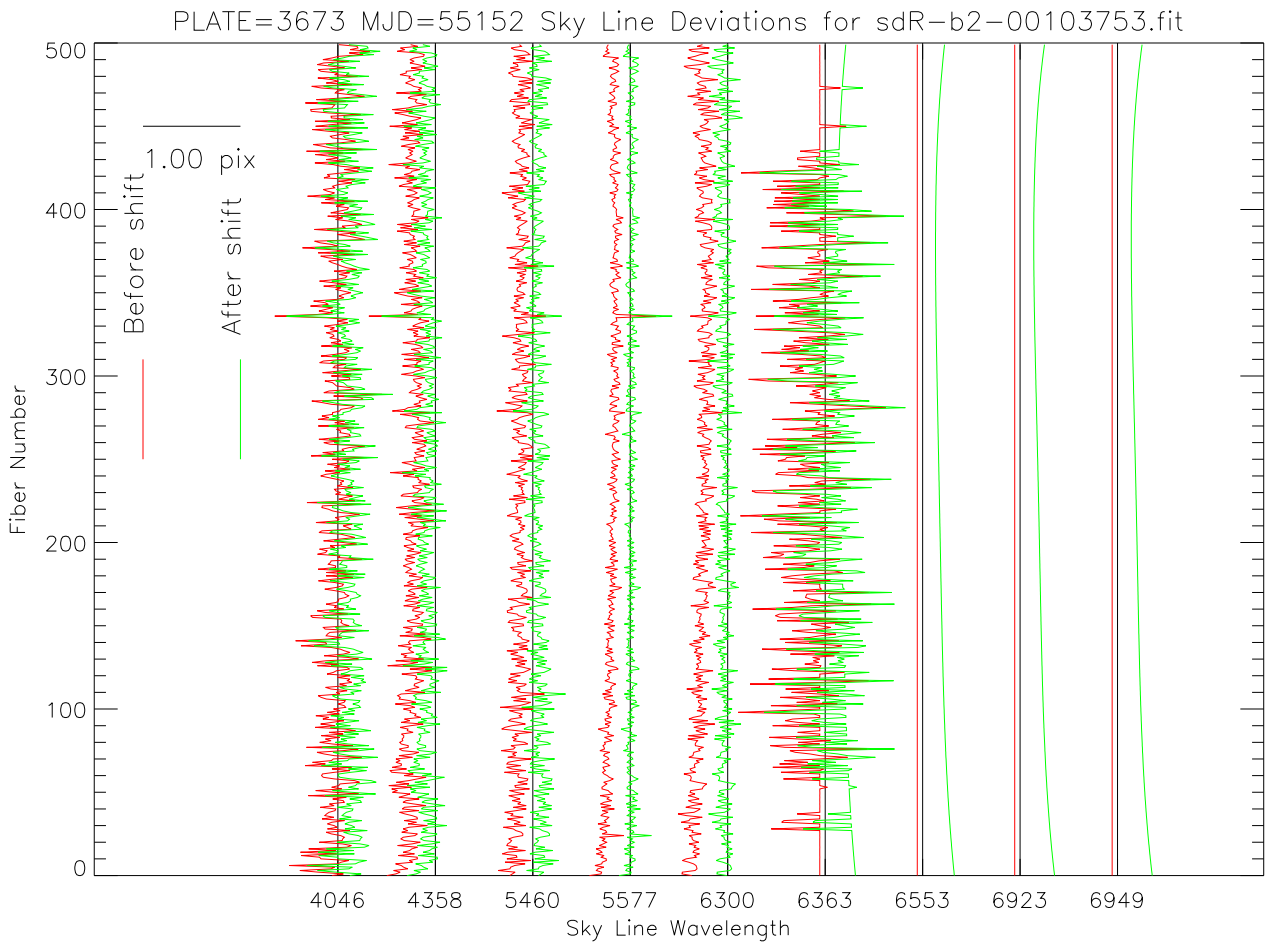

PLATE=3673 MJD=55152 flat extraction chi^2 for sdR−b2−00103756.fit
BLACK = Final chisq extraction
χ^2
0
20
40
60
80
100
120
0
1000
2000
3000
4000
Row number

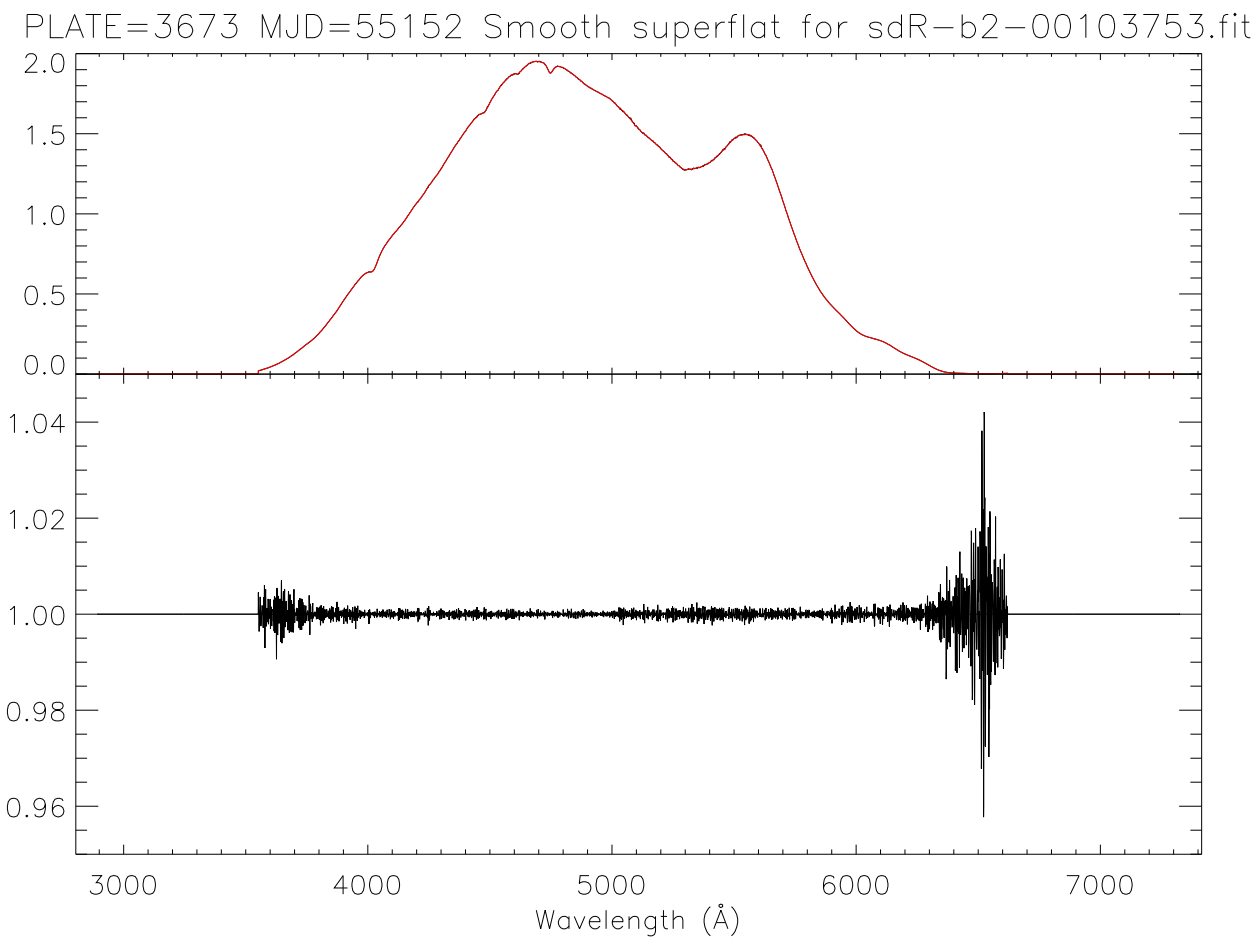

PLATE=3673 MJD=55152 Superflat sdR-b2-00103756.fit
RED = Superflat fit to central fiber
BLACK = 2.3 15.8 50.0 84.2 97.7 percentiles
Normalized flux
0.0
0.5
1.0
1.5
2.0
4000
4500
5000
5500
6000
6500
λ [A]

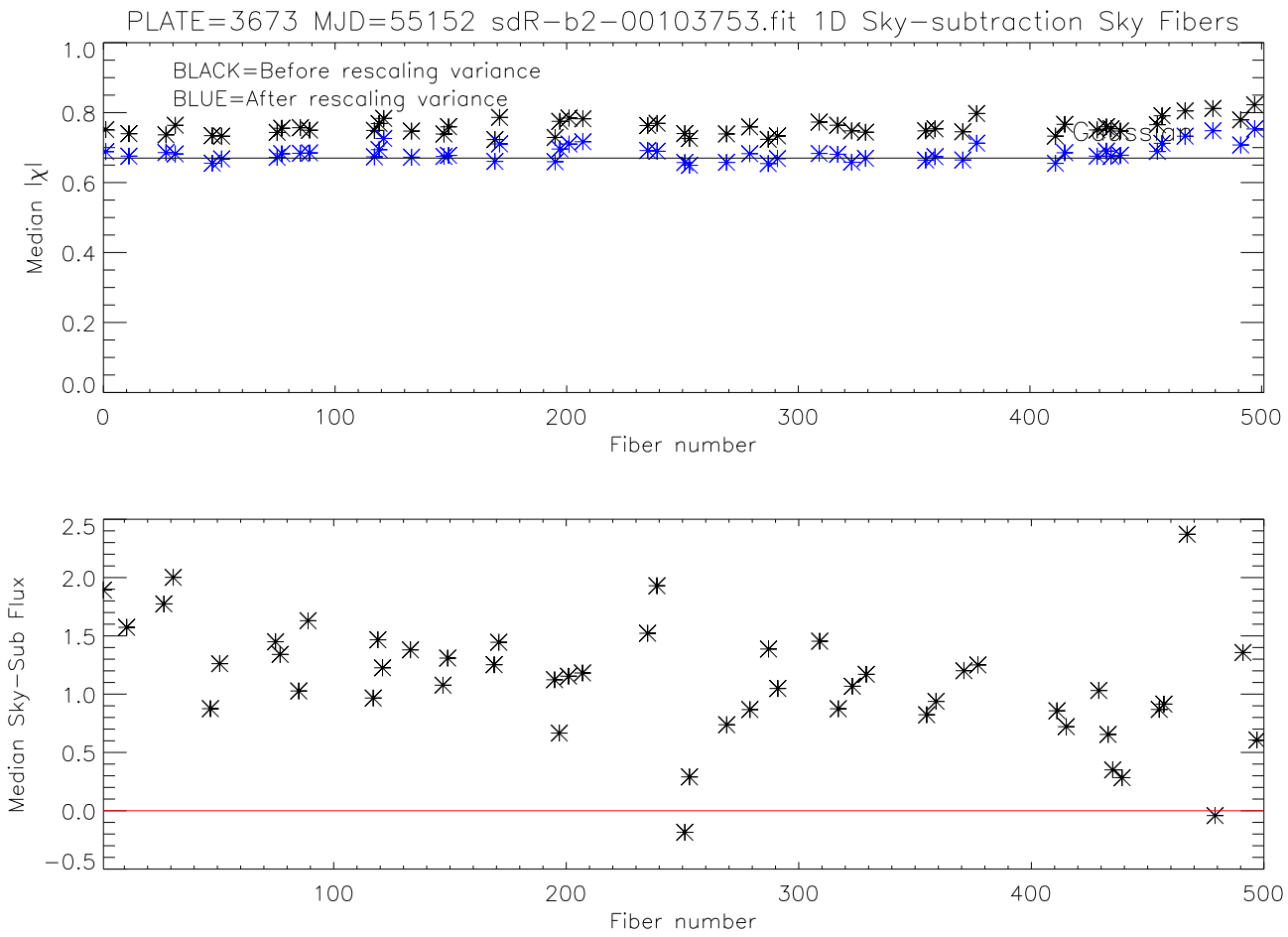

PLATE=3673 MJD=55152 Arcline Fit for sdR-b2-00103757.fit
Fiber Number
500
400
300
200
100
0
3000
4000
5000
6000
7000
λ [A] + 300 * Deviation
Ncoeff = 6
Deviation [pix]
0.15
0.10
0.05
−0.00
−0.05
−0.10
−0.15
3000
4000
5000
6000
7000
λ [A]
Fri Aug 26 18:42:48 2011

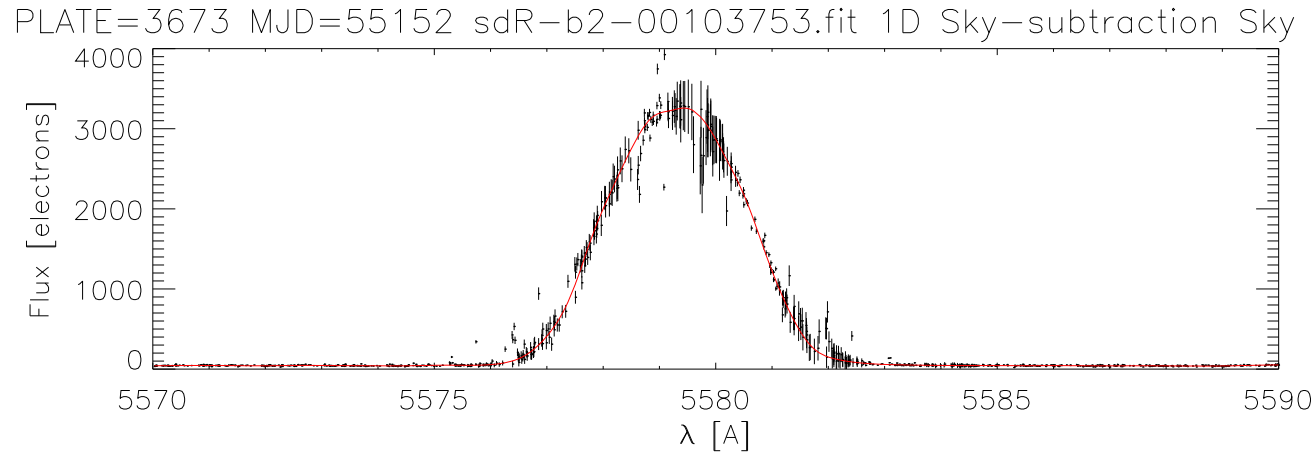

PLATE=3673 MJD=55152 Fiber-Flats for sdR-b2-00103756.fit
BLACK = Median value
ENVELOPE = 95% of points
GREEN = Outlier points
Min value = 0.006
Max value = 1.438
Fiber-Flat
1.5
1.0
0.5
0.0
3000
4000
5000
6000
7000
λ [A]
Fri Aug 26 18:43:09 2011

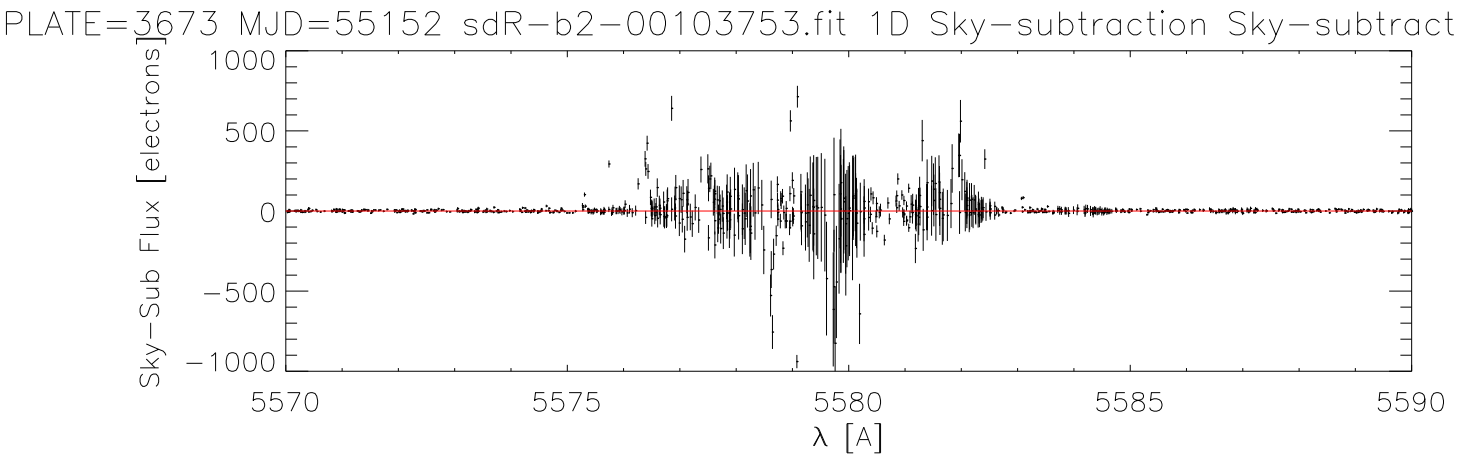

PLATE=3673 MJD=55152 Extraction chi^2 for sdR−b2−00103753.fit
BLACK = Final chisq extraction
2.0
1.5
1.0
0.5
0.0
χ^2
0
1000
2000
3000
4000
Row number


PLATE=3673 MJD=55152 Sky Line Deviations for sdR-b2-00103753.fit
1.00 pix
Before shift
After shift
Fiber Number
0
100
200
300
400
500
4046
4358
5460
5577
6300
6363
6553
6923
6949
Sky Line Wavelength

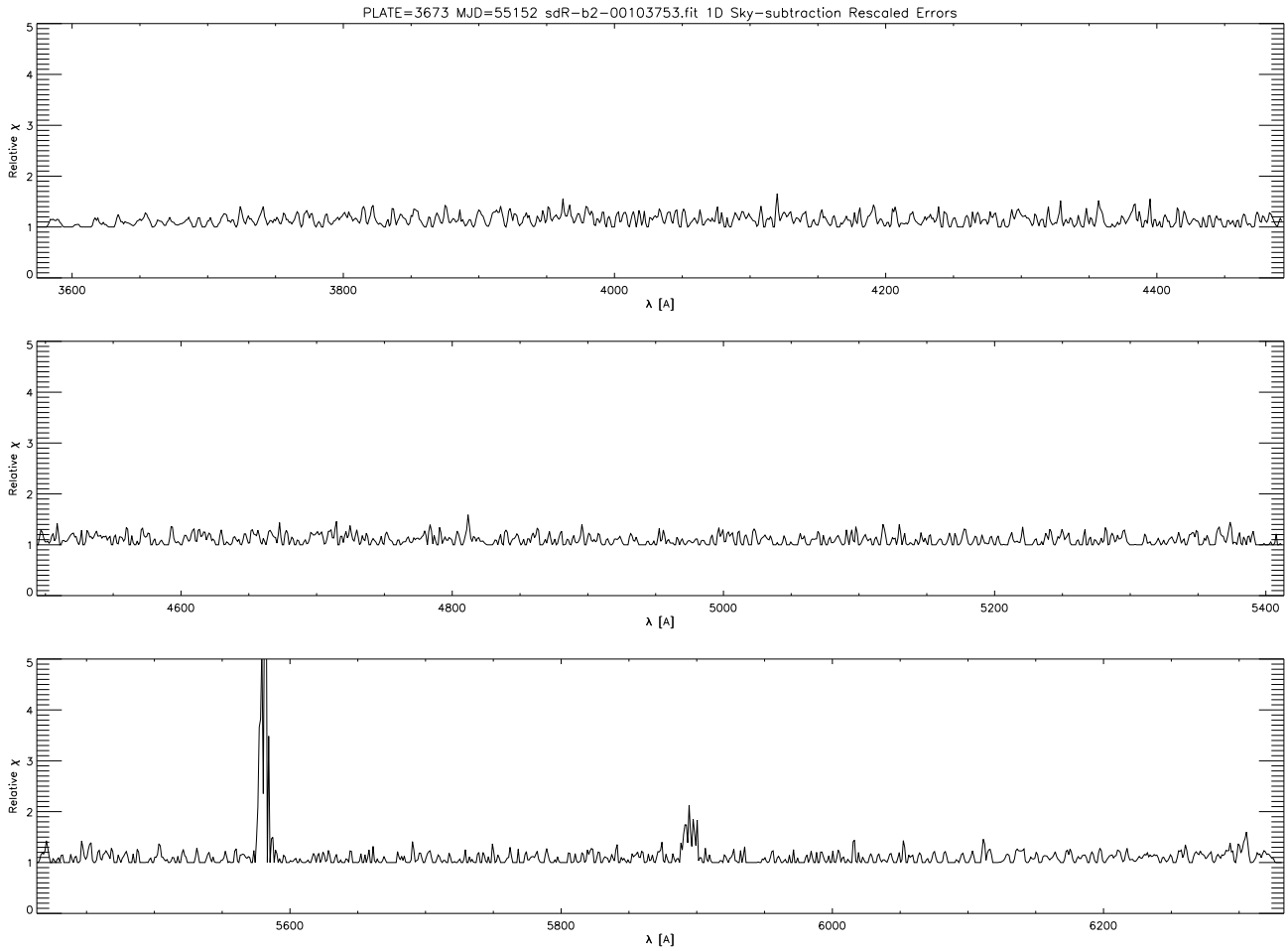

PLATE=3673 MJD=55152 Smooth superflat for sdR-b2-00103753.fit
2.0
1.5
1.0
0.5
0.0
1.04
1.02
1.00
0.98
0.96
3000
4000
5000
6000
7000
Wavelength (Å)

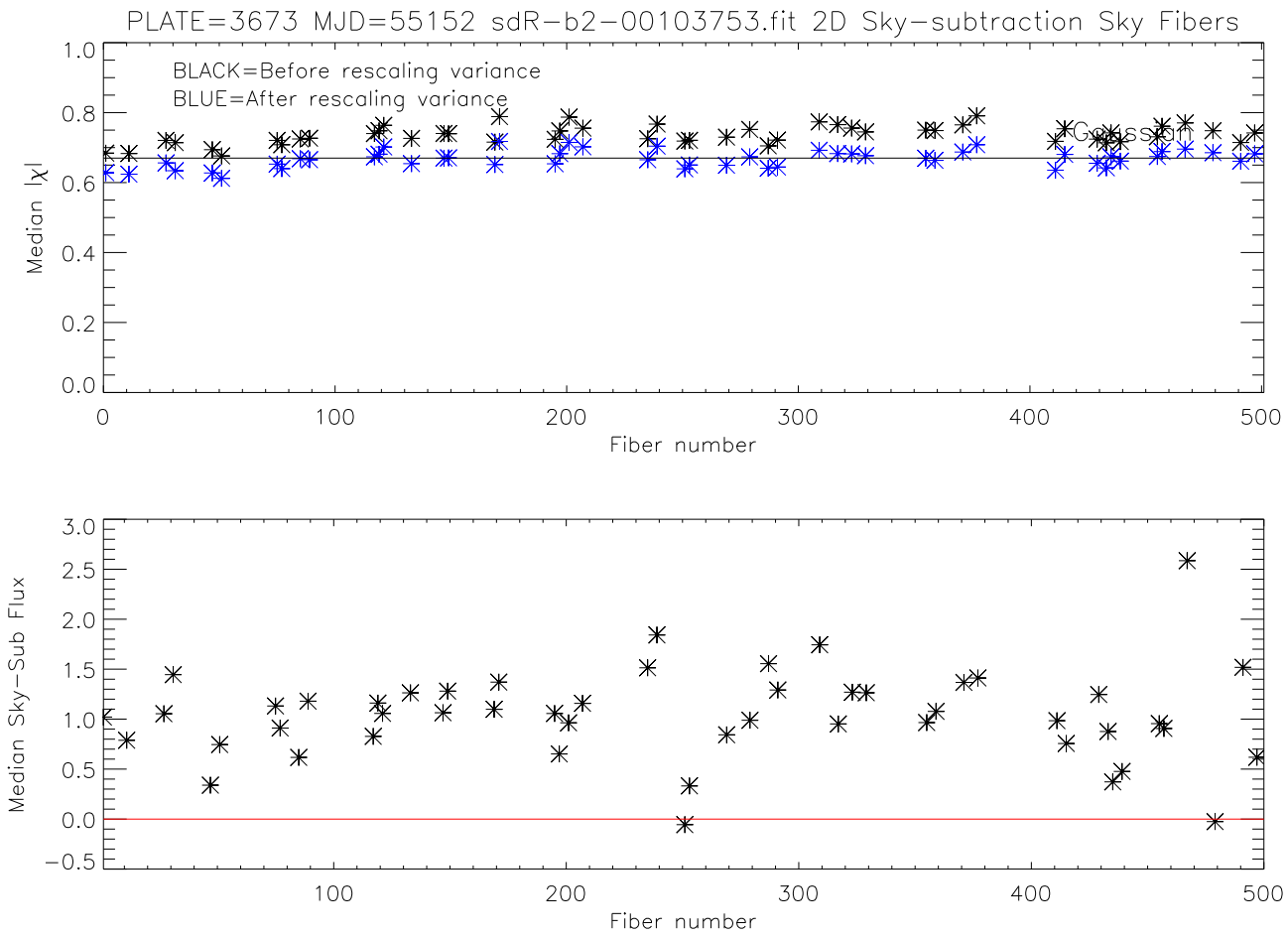

PLATE=3673 MJD=55152 sdR-b2-00103753.fit 1D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

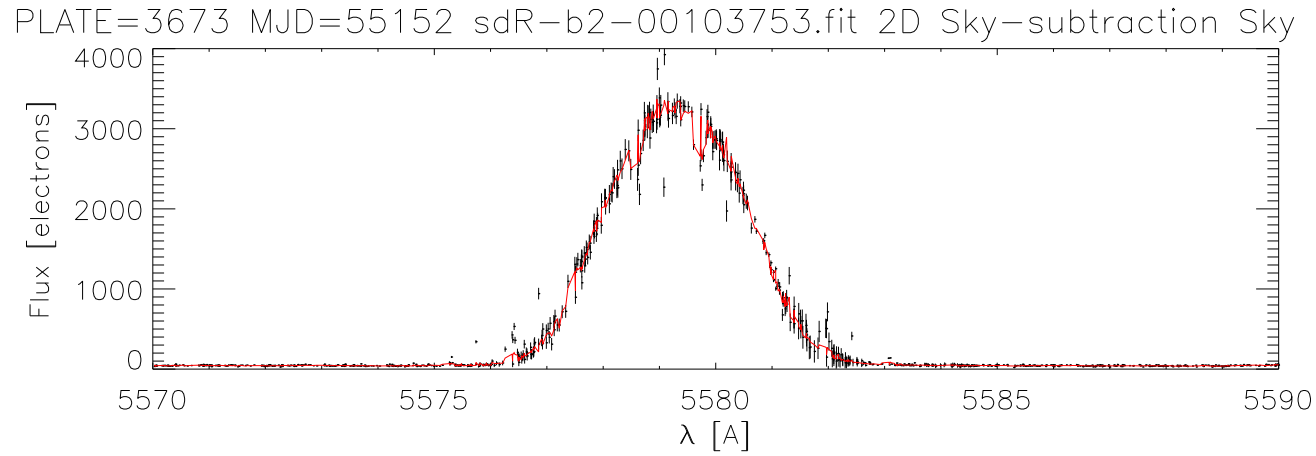

PLATE=3673 MJD=55152 sdR-b2-00103753.fit 1D Sky-subtraction Sky Fibers
Flux [electrons]
4000
3000
2000
1000
0
5570
5575
5580
5585
5590
λ [A]

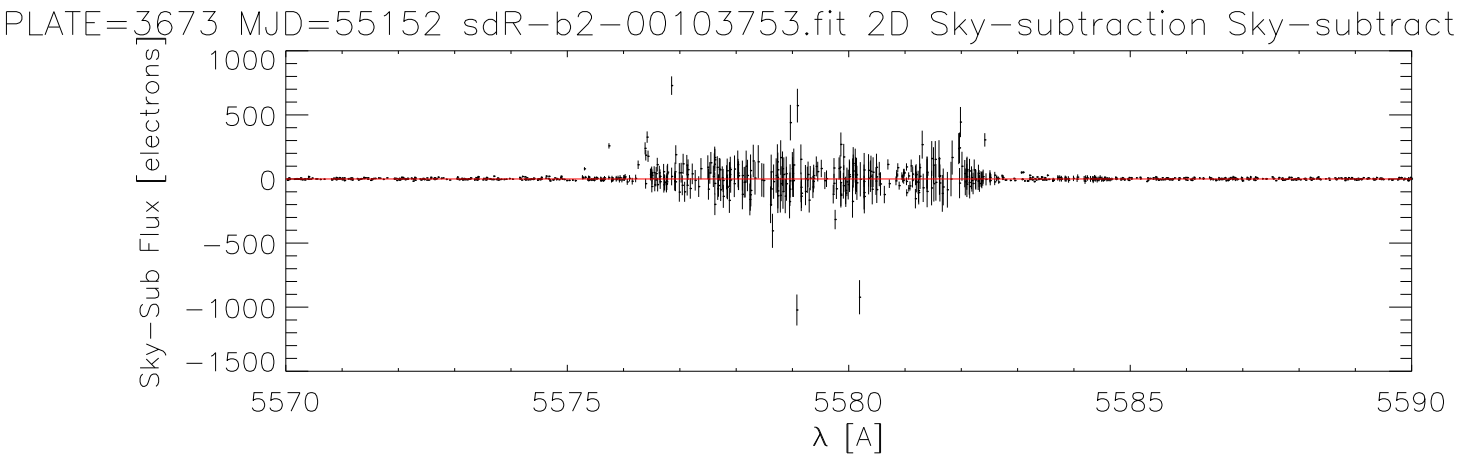

PLATE=3673 MJD=55152 sdR-b2-00103753.fit 1D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
1000
500
0
-500
-1000
5570
5575
5580
5585
5590
λ [A]

Number of sky fibers = 50

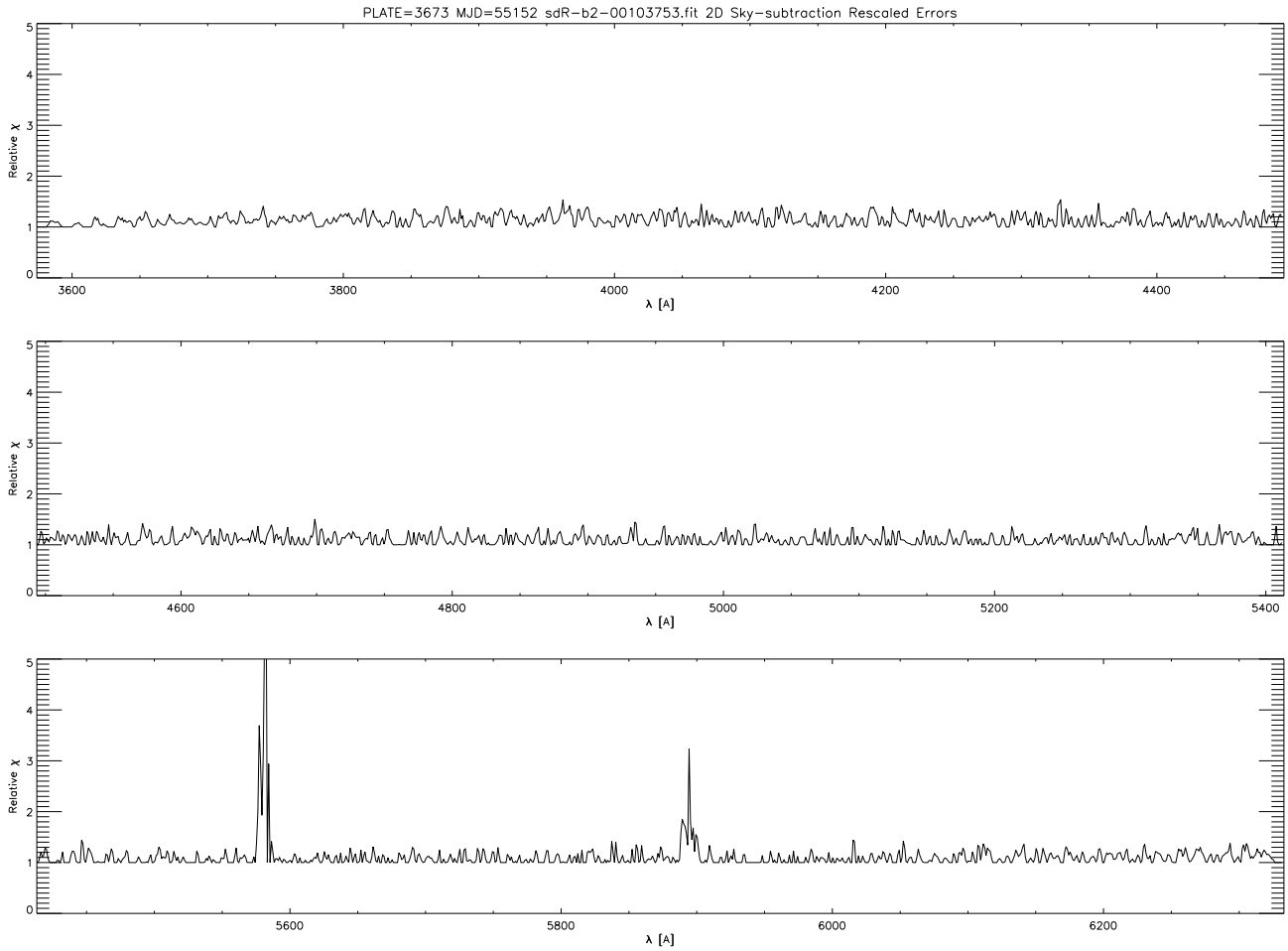


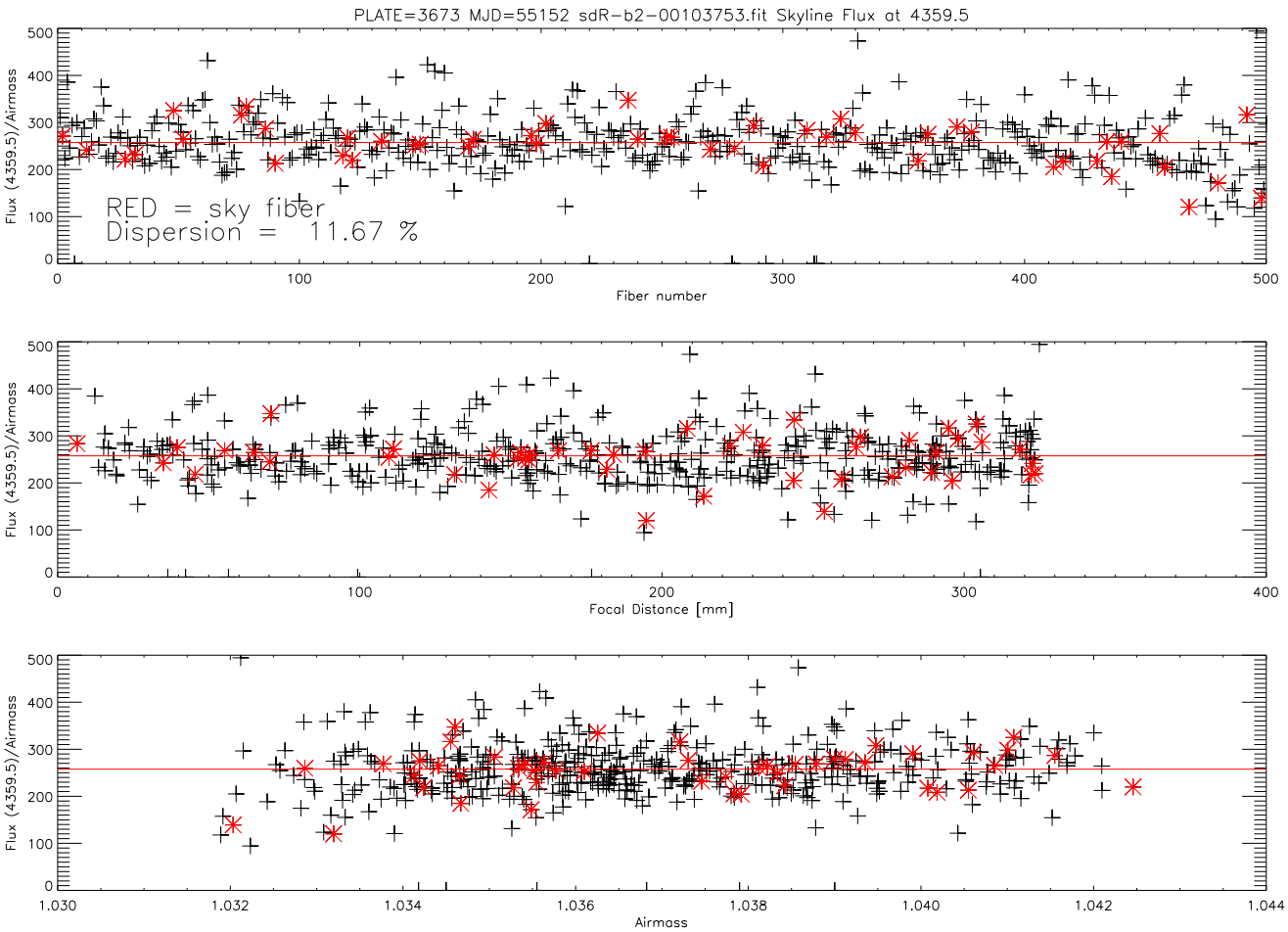

PLATE=3673 MJD=55152 sdR-b2-00103753.fit 2D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

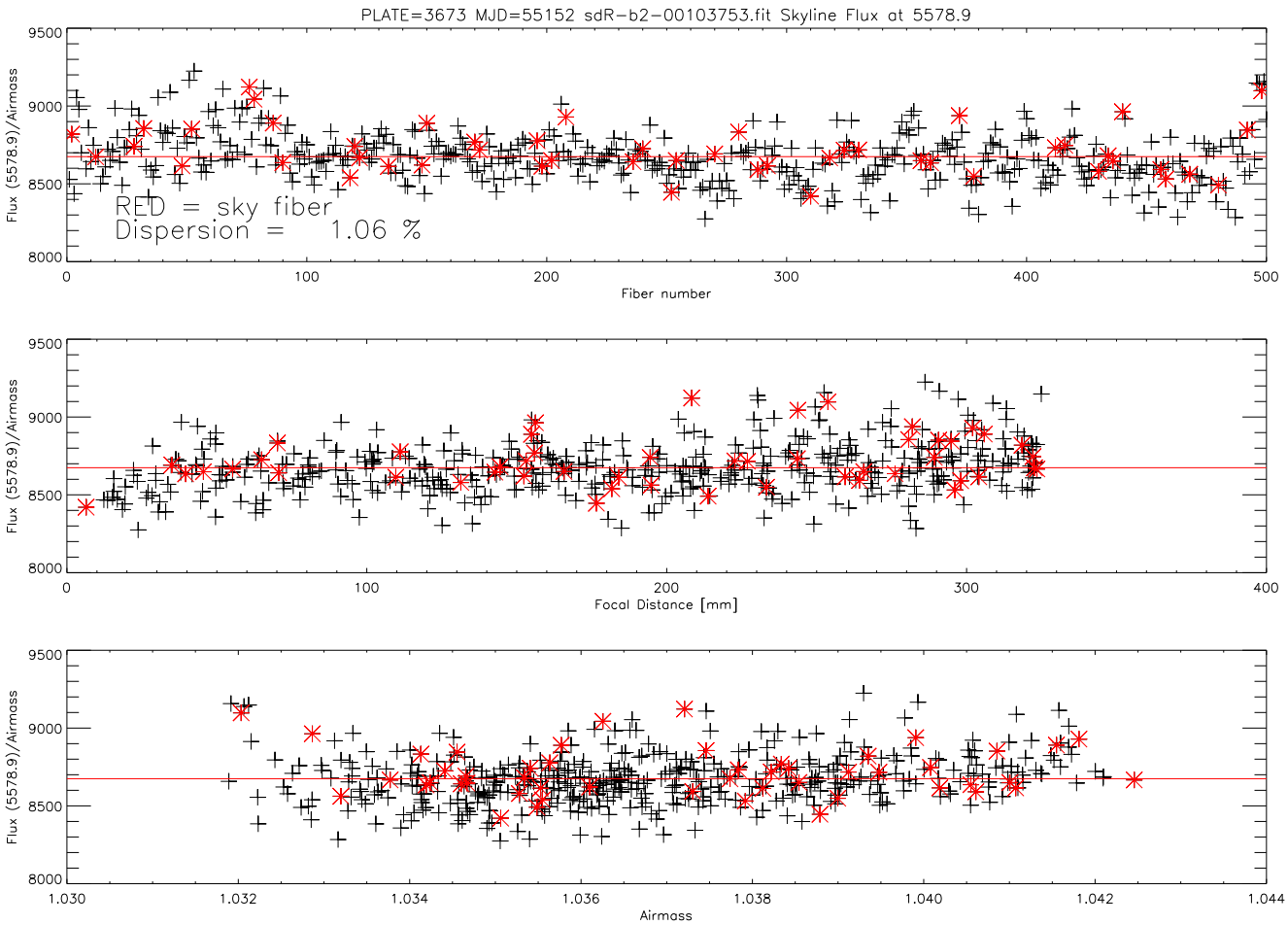

PLATE=3673 MJD=55152 sdR-b2-00103753.fit 2D Sky-subtraction Sky Fibers
Flux [electrons]
4000
3000
2000
1000
0
5570
5575
5580
5585
5590
λ [A]

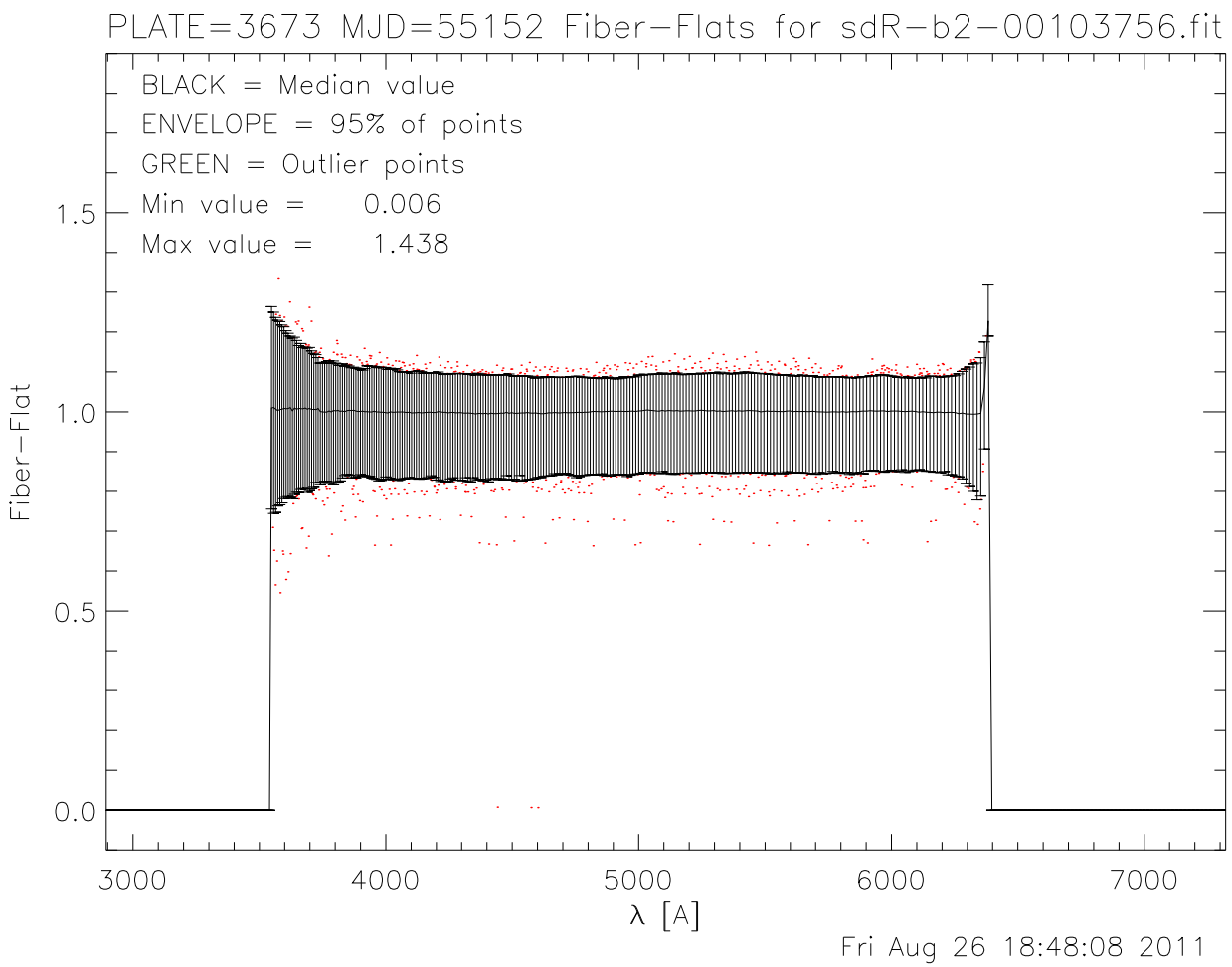

PLATE=3673 MJD=55152 sdR-b2-00103753.fit 2D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
1000
500
0
-500
-1000
-1500
5570
5575
5580
5585
5590
λ [A]

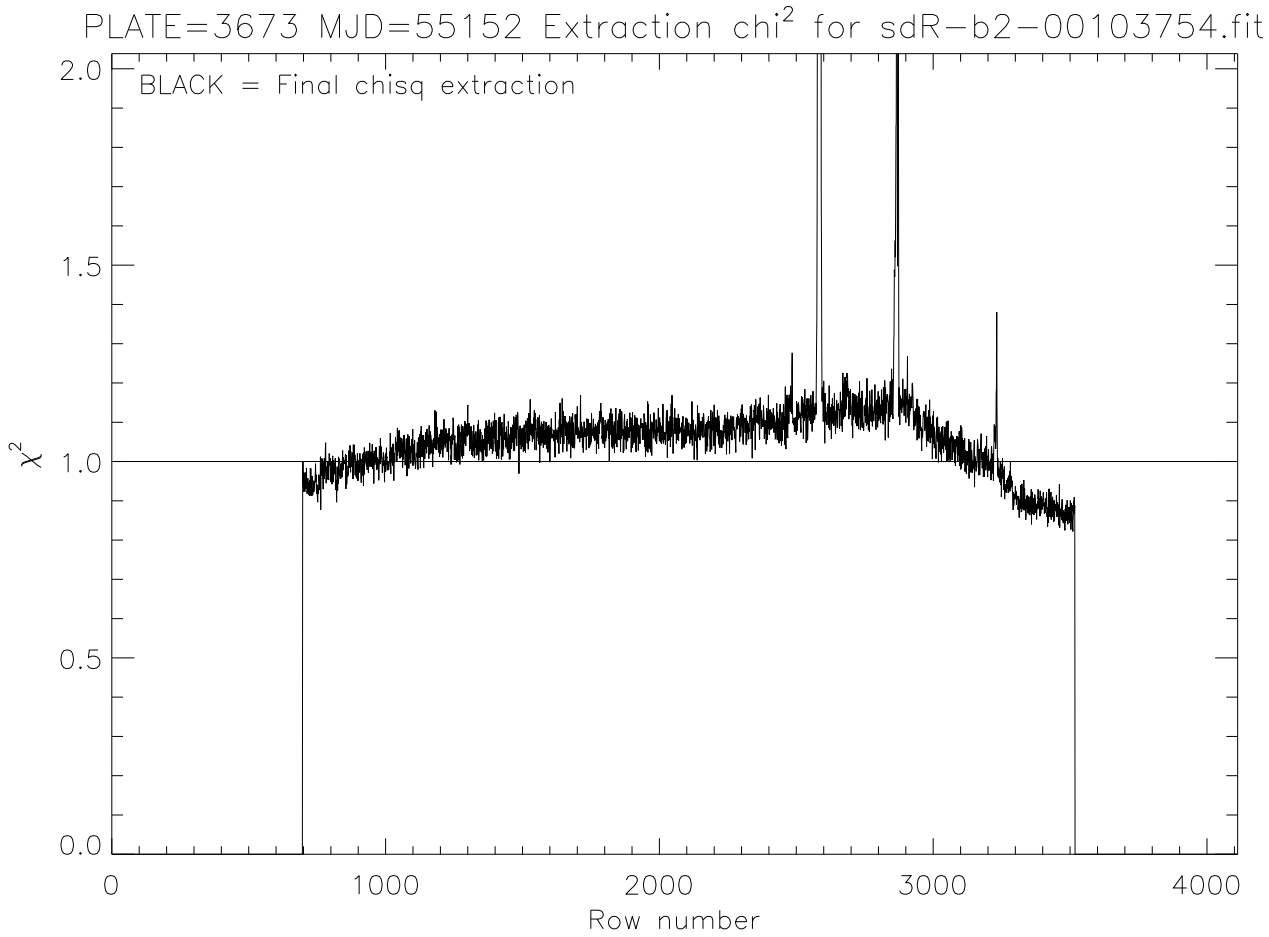
Number of sky fibers = 50

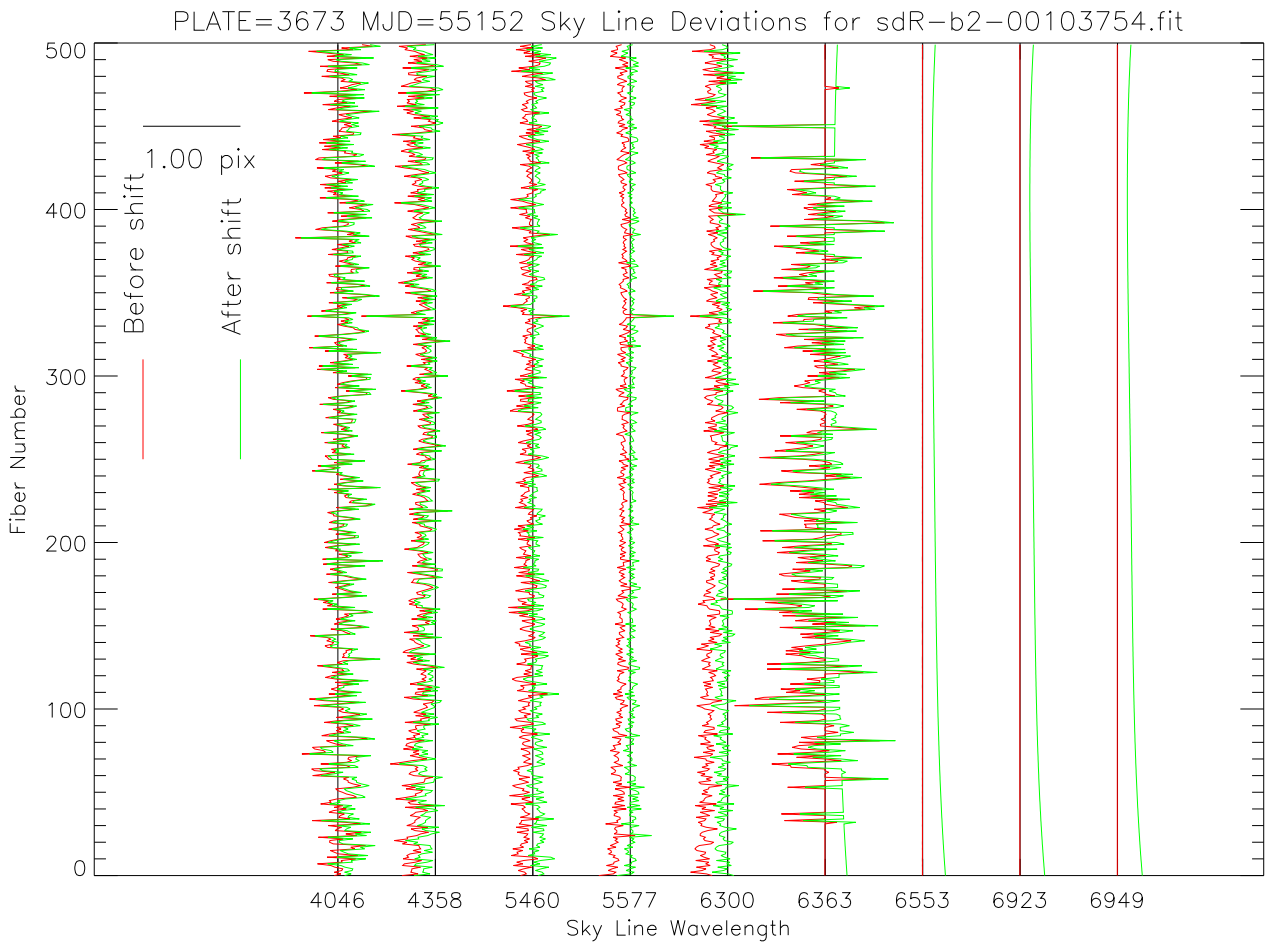


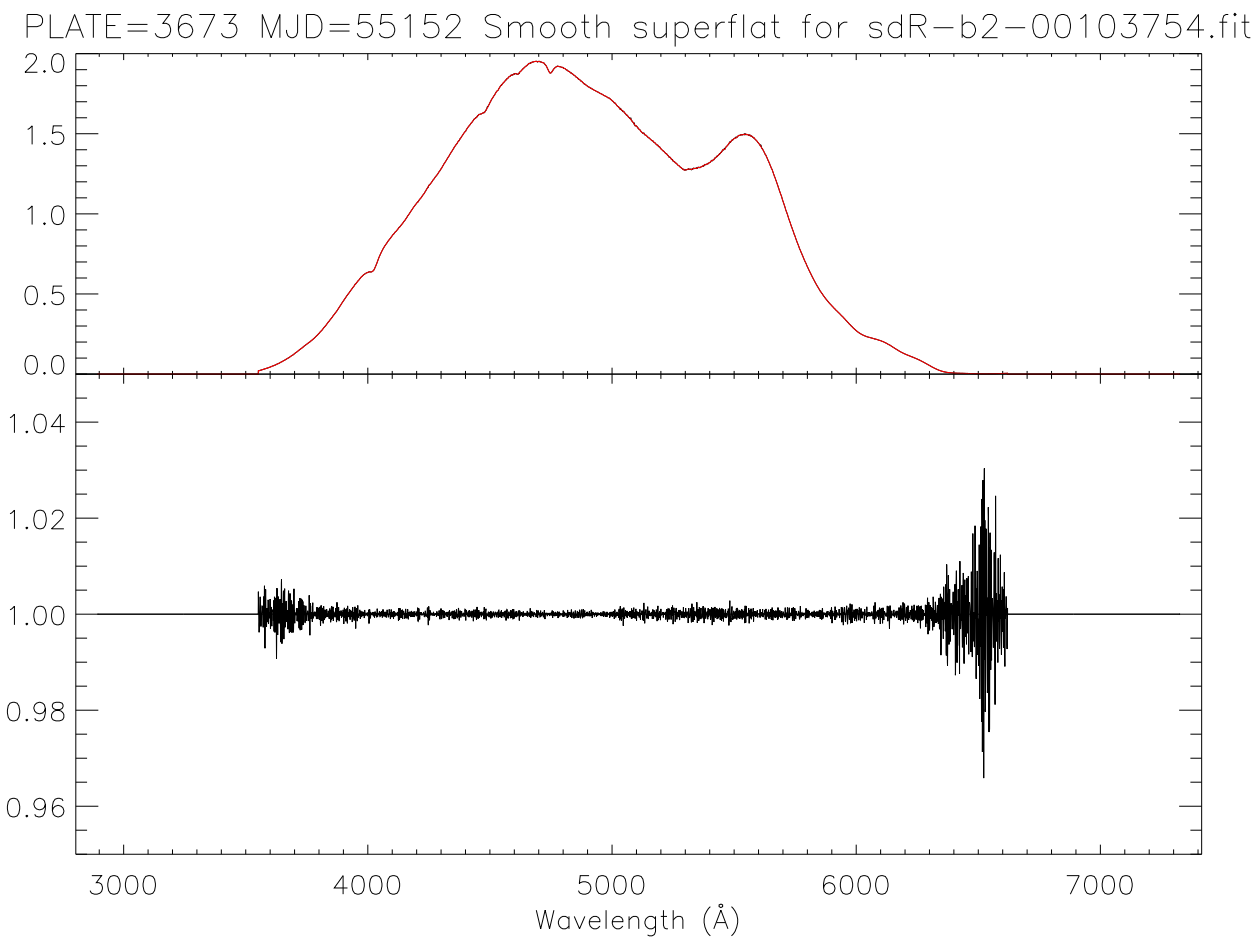

PLATE=3673 MJD=55152 sdR-b2-00103753.fit Skyline Flux at 4359.5
Flux (4359.5)/Airmass
Fiber number
RED = sky fiber
Dispersion = 11.67 %
Flux (4359.5)/Airmass
Focal Distance [mm]
Flux (4359.5)/Airmass
Airmass

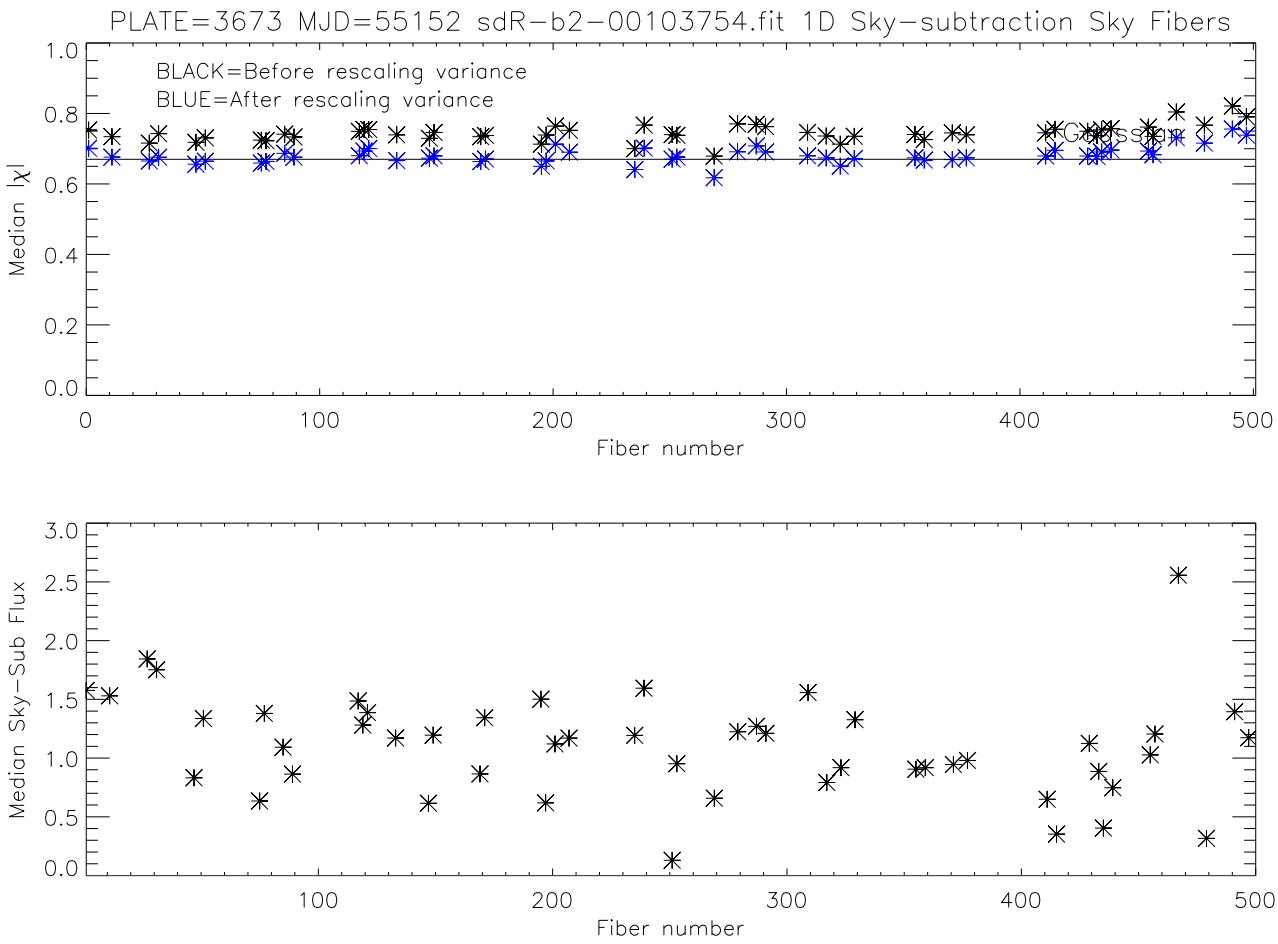

PLATE=3673 MJD=55152 sdR-b2-00103753.fit Skyline Flux at 5578.9
Flux (5578.9)/Airmass
RED = sky fiber
Dispersion = 1.06 %
Fiber number
Flux (5578.9)/Airmass
Focal Distance [mm]
Flux (5578.9)/Airmass
Airmass

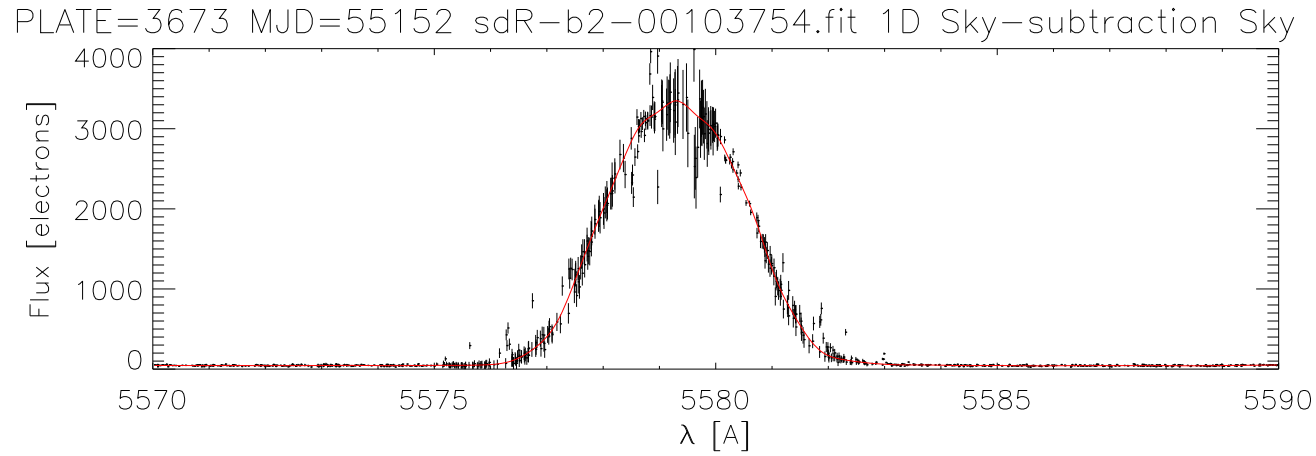

PLATE=3673 MJD=55152 Fiber-Flats for sdR-b2-00103756.fit
BLACK = Median value
ENVELOPE = 95% of points
GREEN = Outlier points
Min value = 0.006
Max value = 1.438
Fiber-Flat
1.5
1.0
0.5
0.0
3000
4000
5000
6000
7000
λ [A]
Fri Aug 26 18:48:08 2011

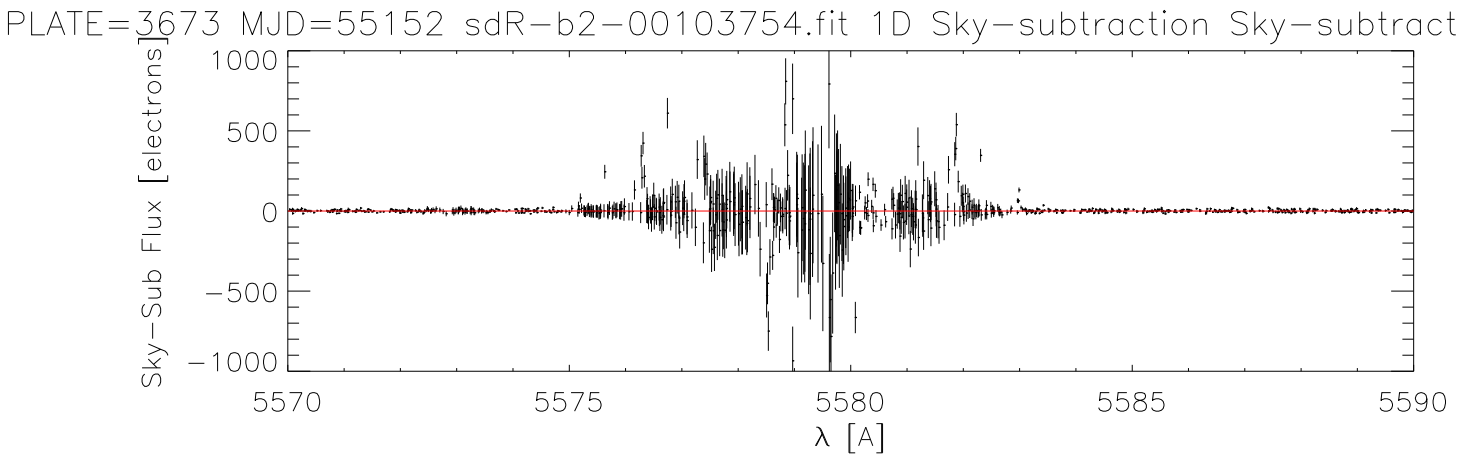

PLATE=3673 MJD=55152 Extraction chi^2 for sdR-b2-00103754.fit
BLACK = Final chisq extraction
χ^2
2.0
1.5
1.0
0.5
0.0
0
1000
2000
3000
4000
Row number


PLATE=3673 MJD=55152 Sky Line Deviations for sdR-b2-00103754.fit
1.00 pix
Before shift
After shift
Fiber Number
0
100
200
300
400
500
4046
4358
5460
5577
6300
6363
6553
6923
6949
Sky Line Wavelength

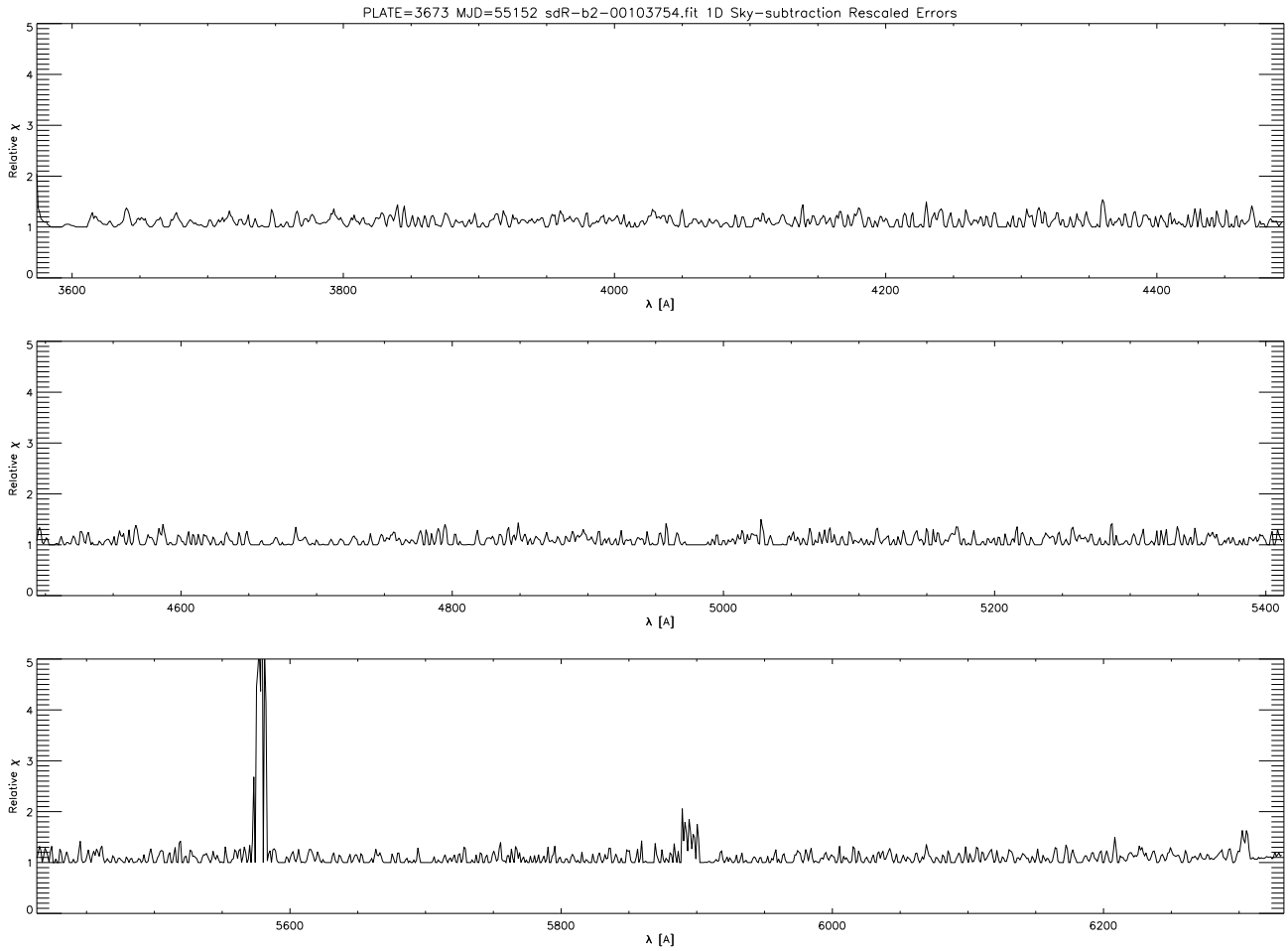

PLATE=3673 MJD=55152 Smooth superflat for sdR-b2-00103754.fit
2.0
1.5
1.0
0.5
0.0
1.04
1.02
1.00
0.98
0.96
3000
4000
5000
6000
7000
Wavelength (Å)

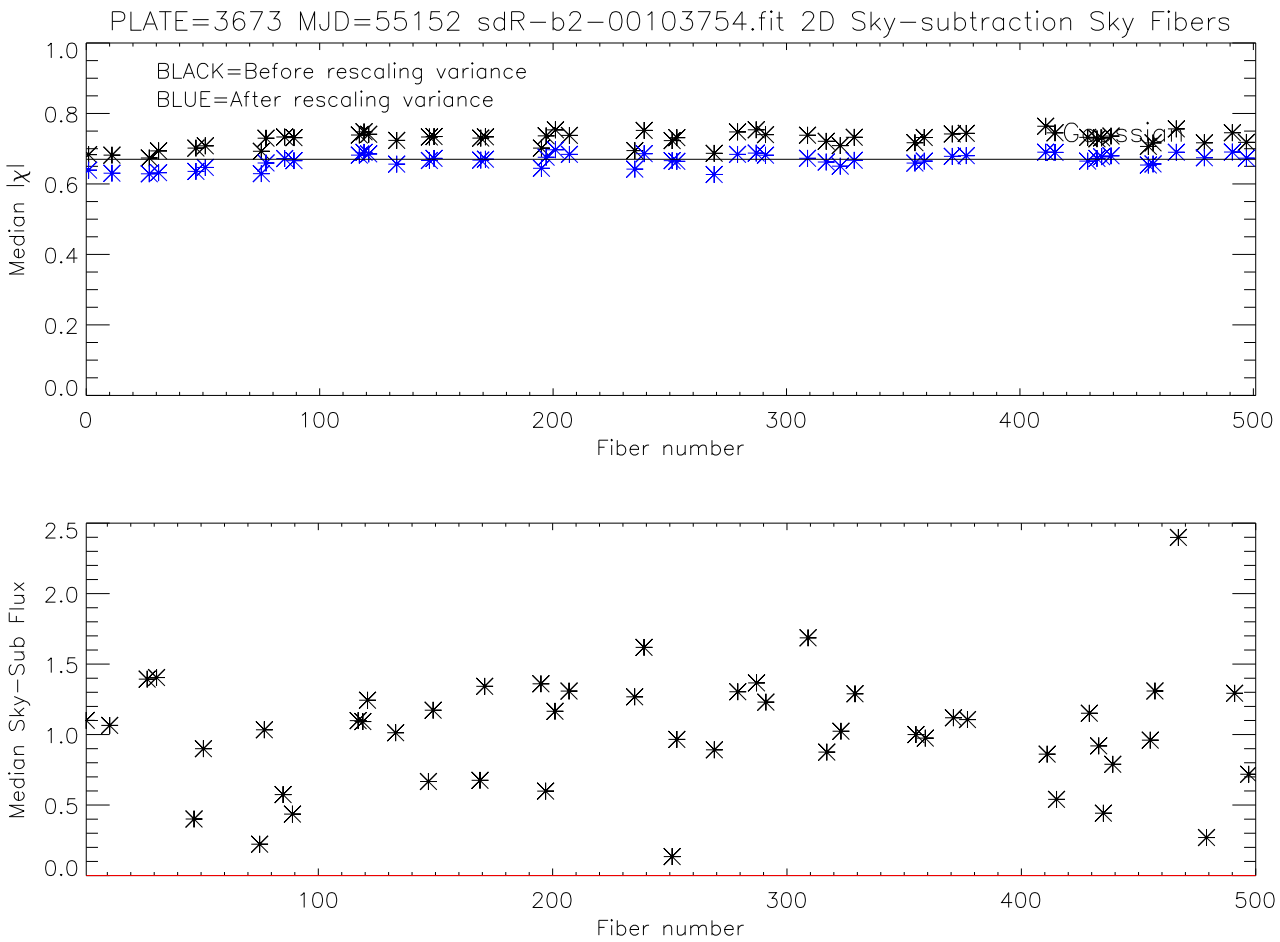

PLATE=3673 MJD=55152 sdR-b2-00103754.fit 1D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

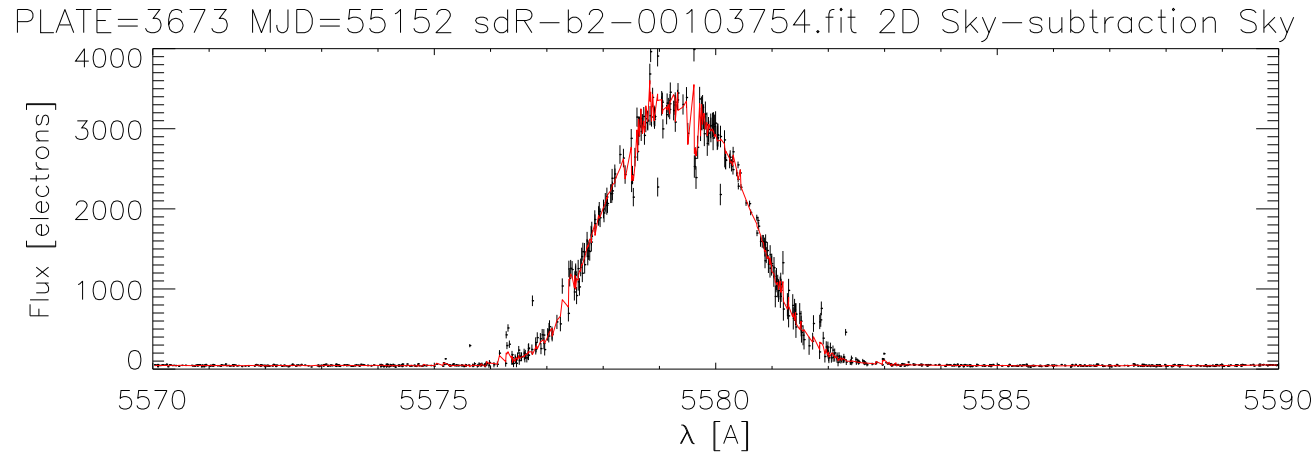

PLATE=3673 MJD=55152 sdR-b2-00103754.fit 1D Sky-subtraction Sky Fibers
Flux [electrons]
4000
3000
2000
1000
0
5570
5575
5580
5585
5590
λ [A]

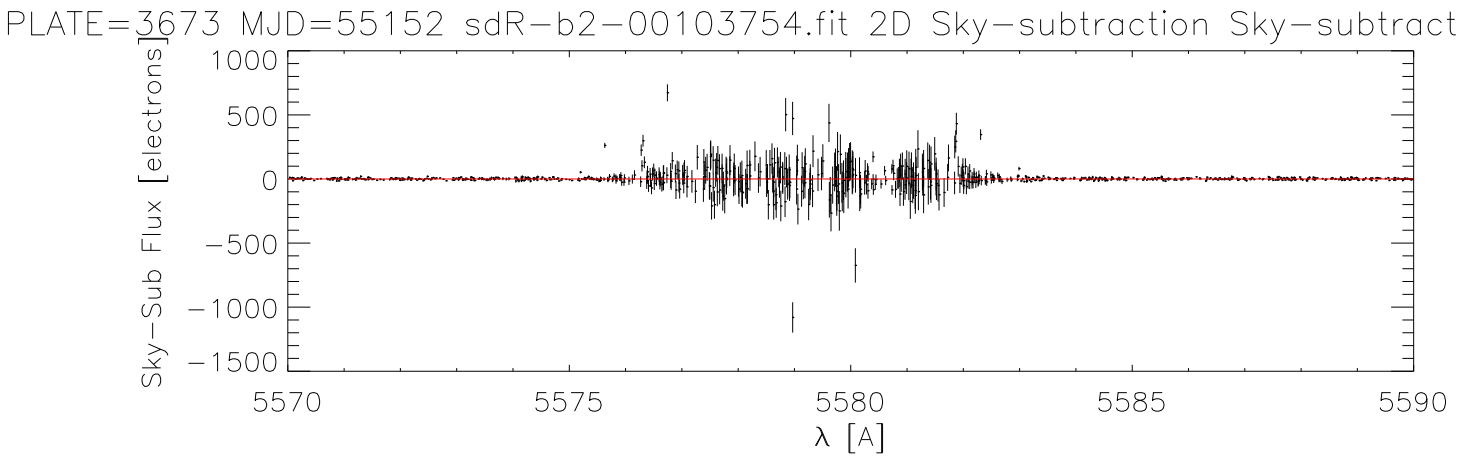

PLATE=3673 MJD=55152 sdR-b2-00103754.fit 1D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
1000
500
0
-500
-1000
5570
5575
5580
5585
5590
λ [A]

Number of sky fibers = 50

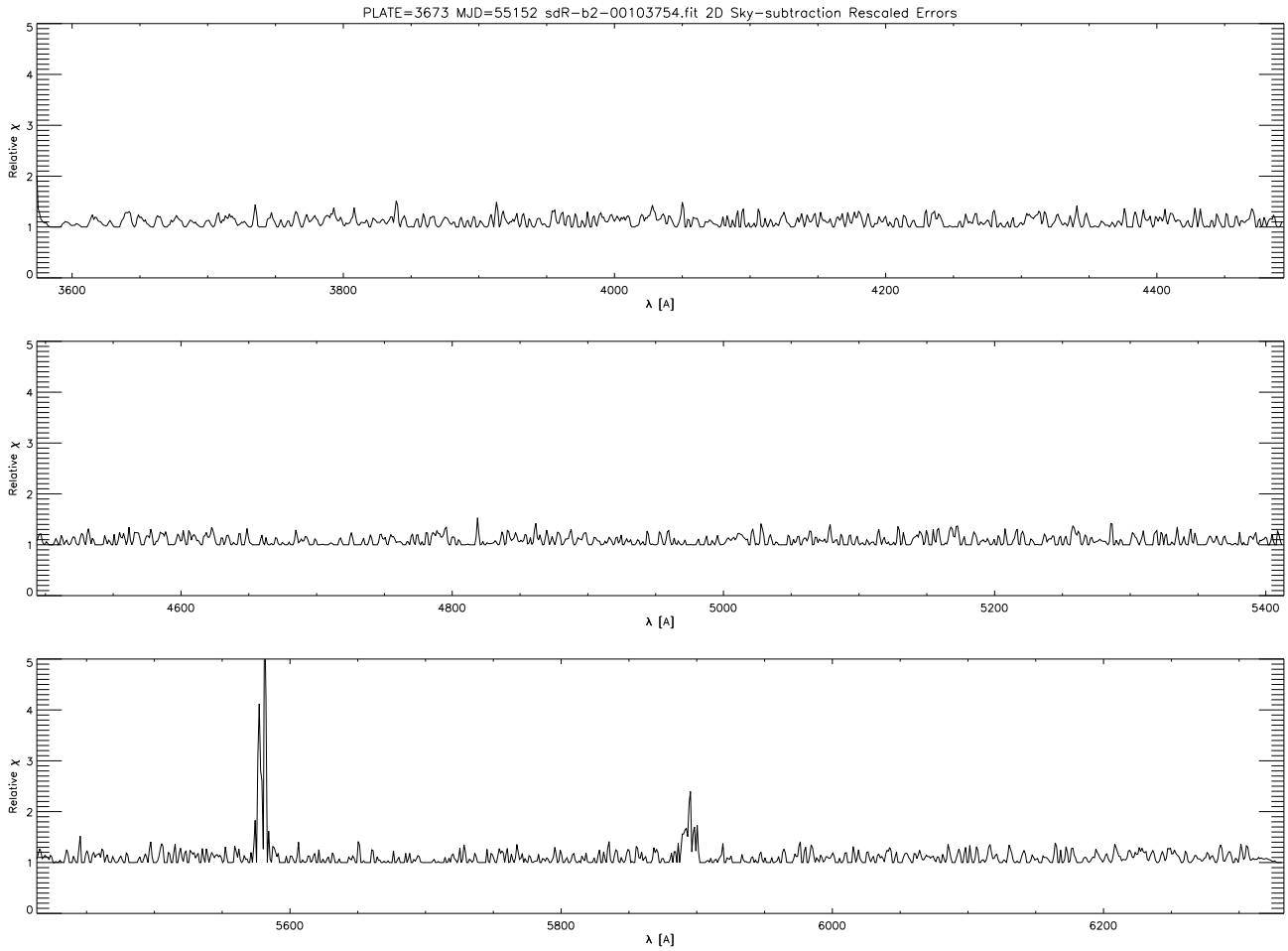


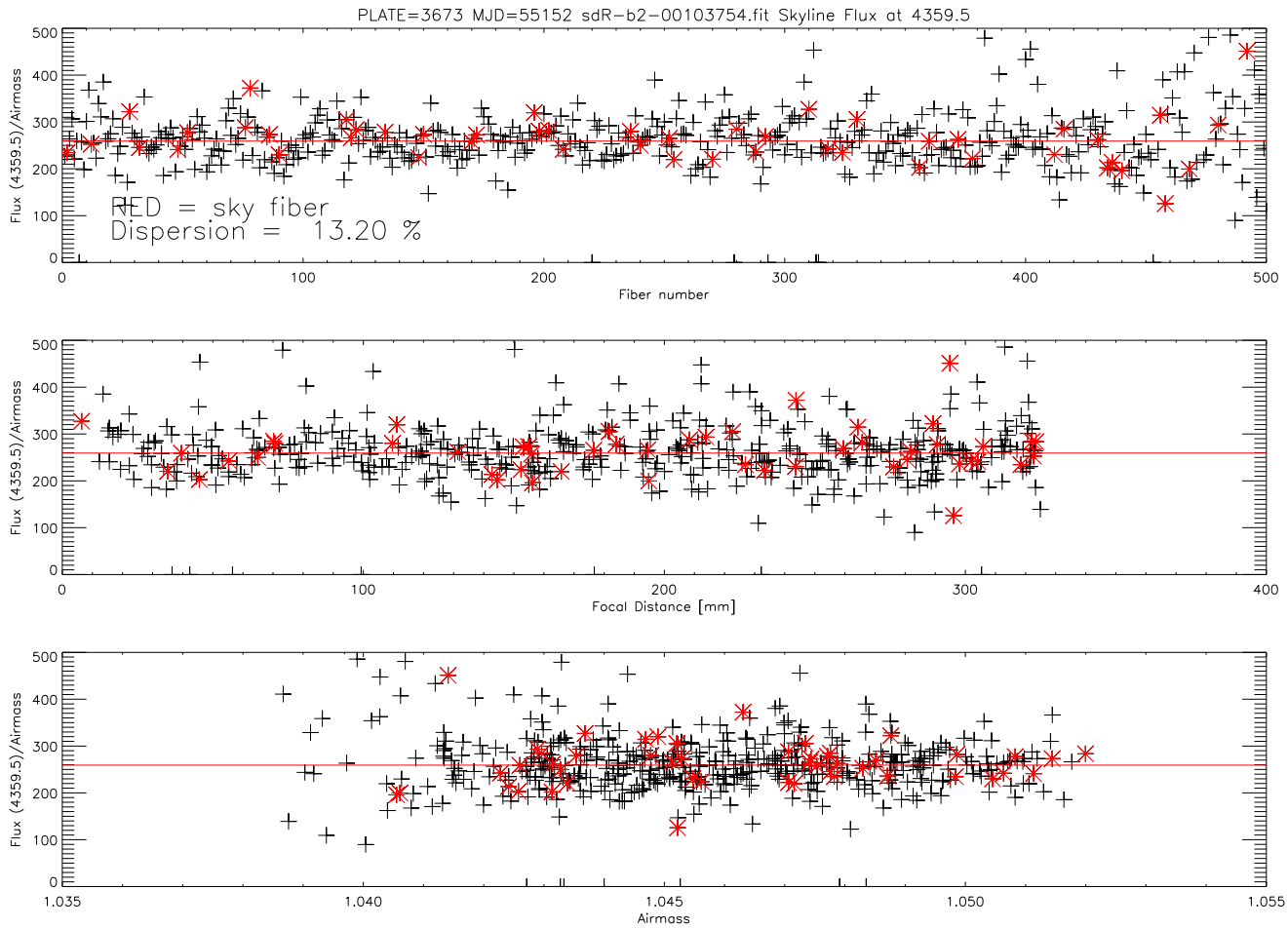

PLATE=3673 MJD=55152 sdR-b2-00103754.fit 2D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

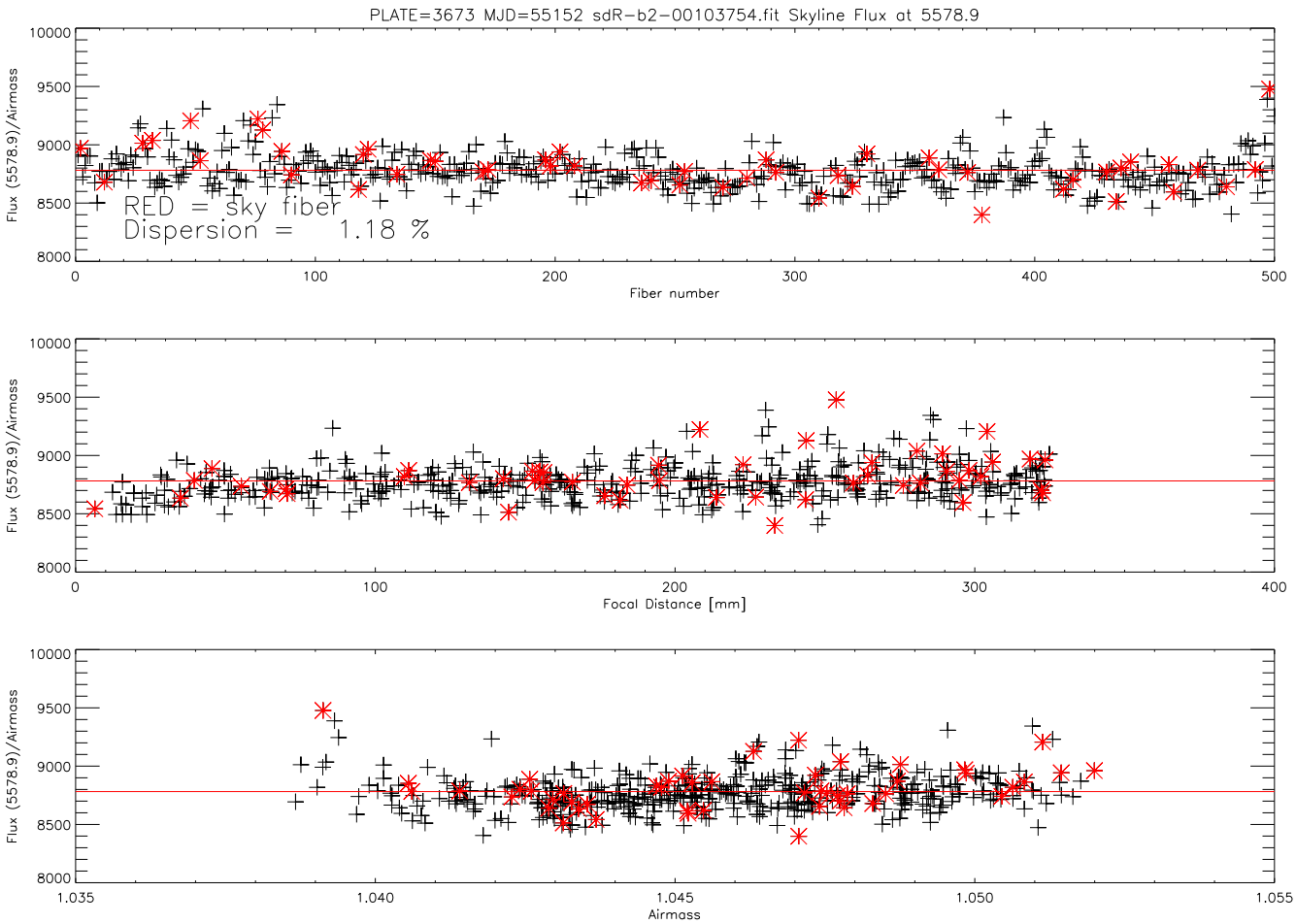

PLATE=3673 MJD=55152 sdR-b2-00103754.fit 2D Sky-subtraction Sky Fibers
Flux [electrons]
4000
3000
2000
1000
0
5570
5575
5580
5585
5590
λ [A]

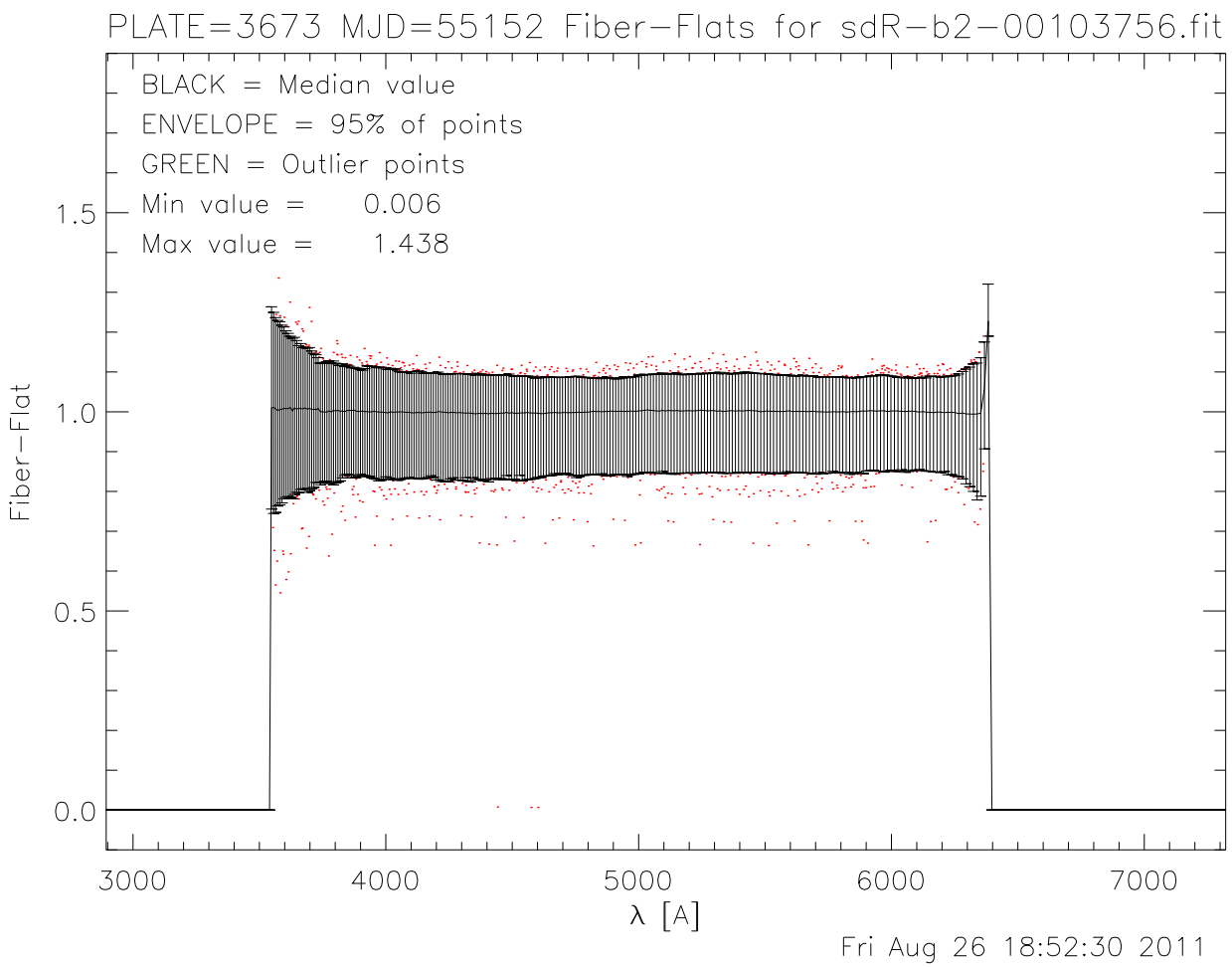

PLATE=3673 MJD=55152 sdR-b2-00103754.fit 2D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
1000
500
0
-500
-1000
-1500
5570
5575
5580
5585
5590
λ [A]

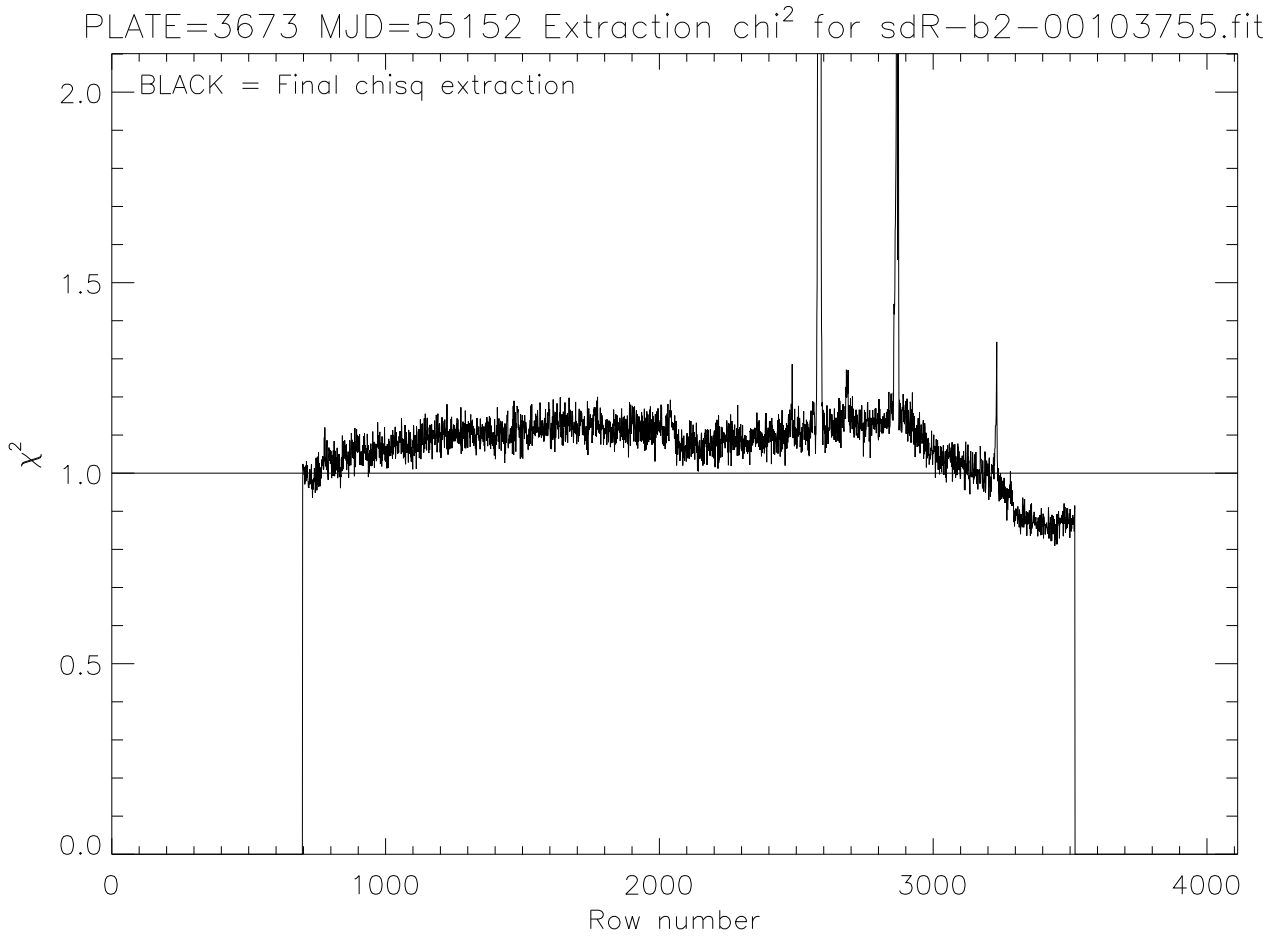
Number of sky fibers = 50

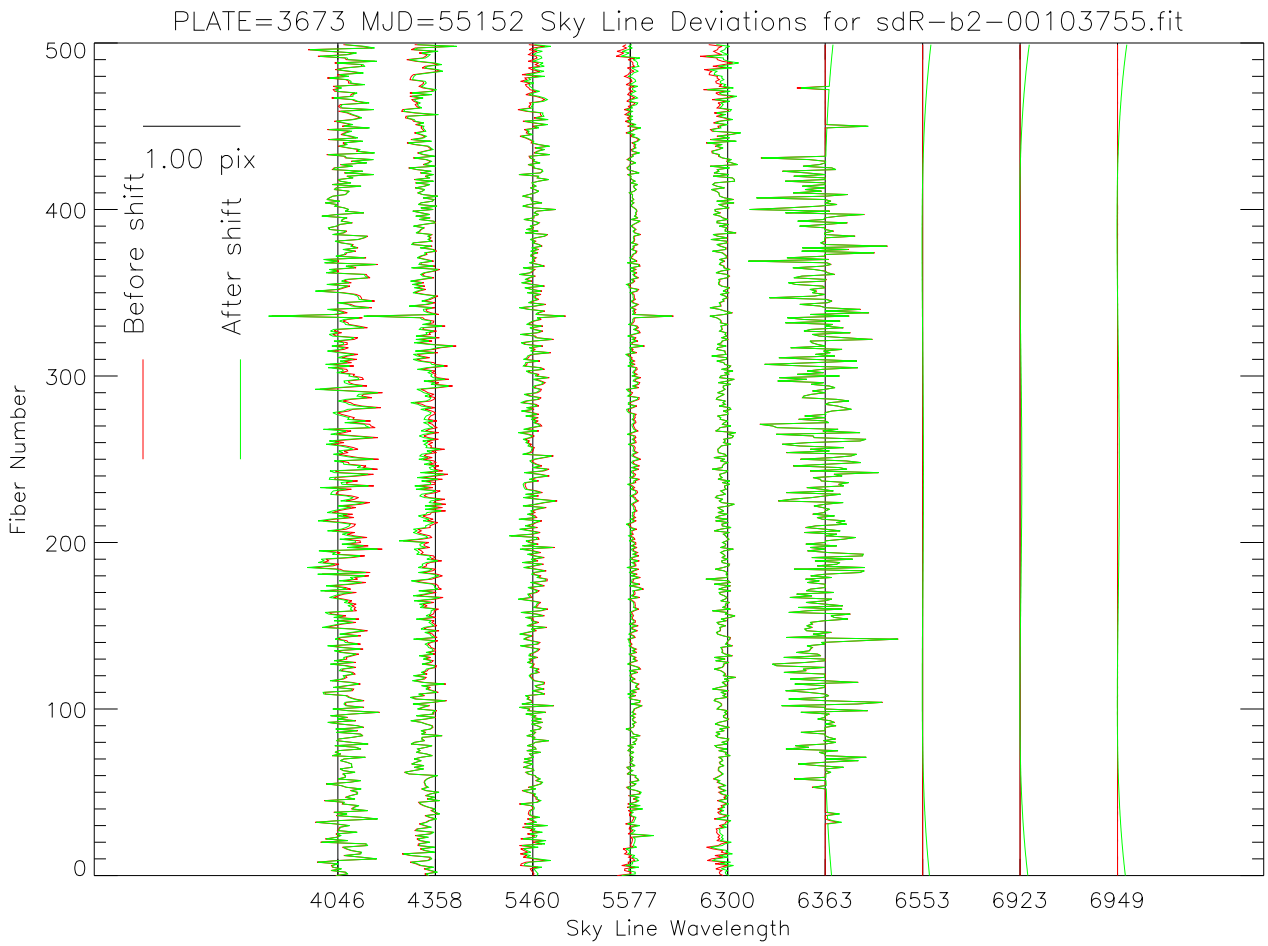


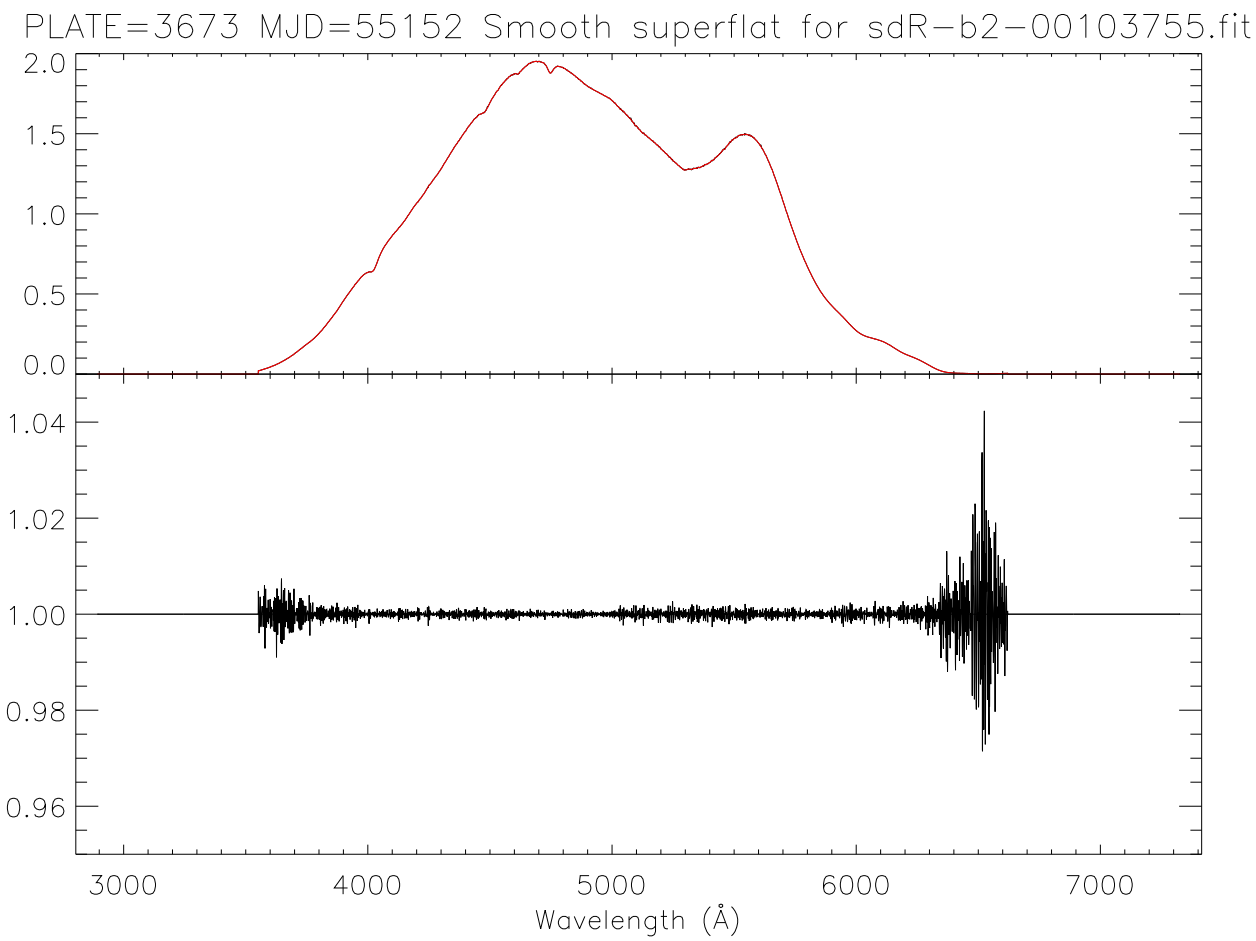

PLATE=3673 MJD=55152 sdR-b2-00103754.fit Skyline Flux at 4359.5
Flux (4359.5)/Airmass
RED = sky fiber
Dispersion = 13.20 %
Fiber number
Flux (4359.5)/Airmass
Focal Distance [mm]
Flux (4359.5)/Airmass
Airmass

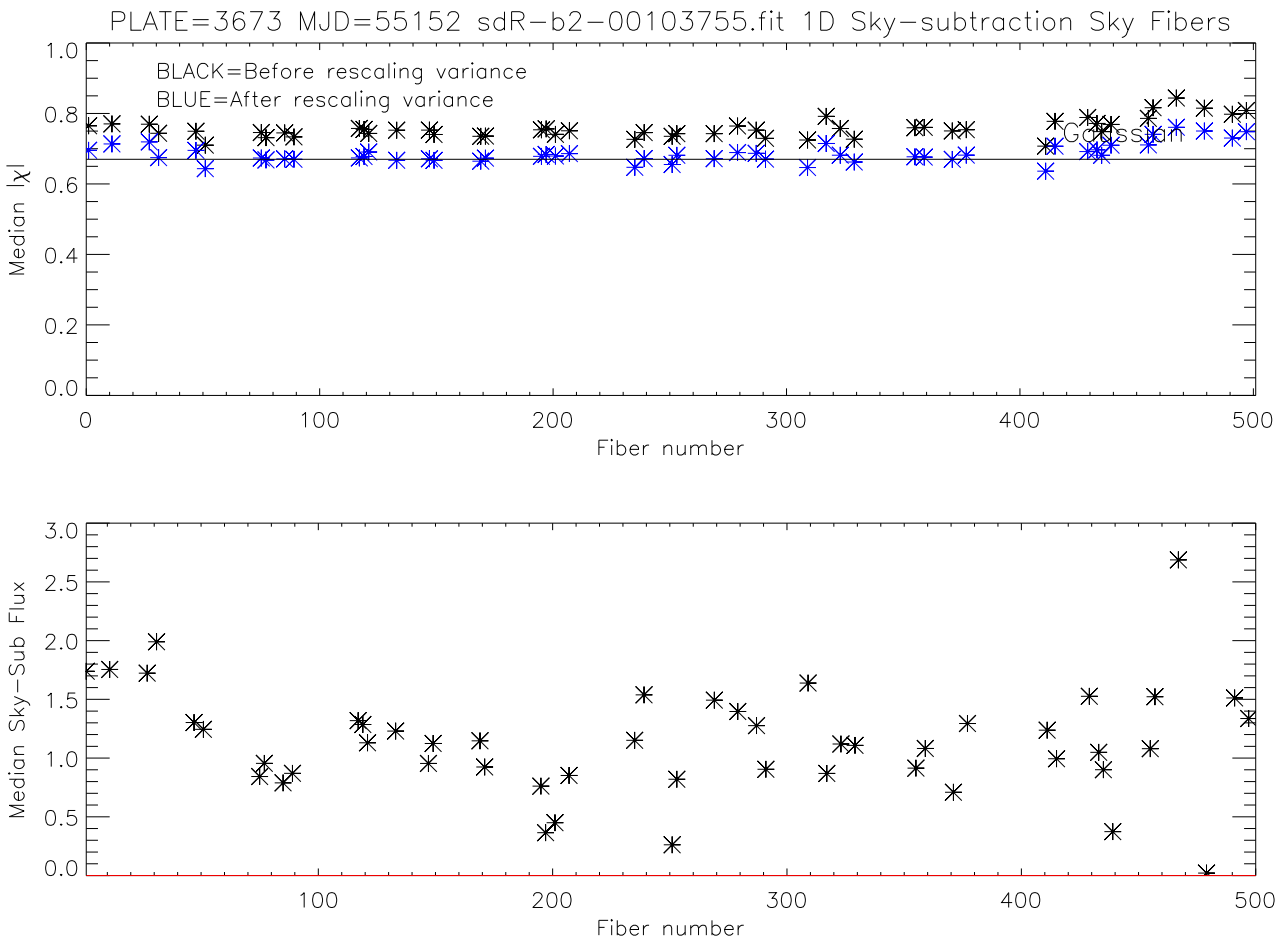

PLATE=3673 MJD=55152 sdR-b2-00103754.fit Skyline Flux at 5578.9
Flux (5578.9)/Airmass
Fiber number
RED = sky fiber
Dispersion = 1.18 %
Flux (5578.9)/Airmass
Focal Distance [mm]
Flux (5578.9)/Airmass
Airmass

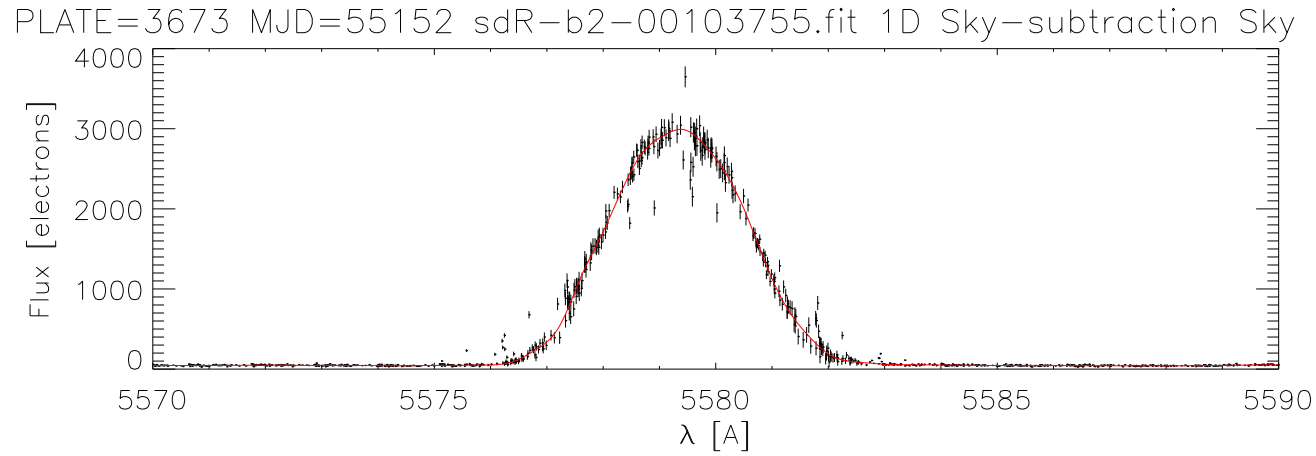

PLATE=3673 MJD=55152 Fiber-Flats for sdR-b2-00103756.fit
BLACK = Median value
ENVELOPE = 95% of points
GREEN = Outlier points
Min value = 0.006
Max value = 1.438
Fiber-Flat
1.5
1.0
0.5
0.0
3000
4000
5000
6000
7000
λ [A]
Fri Aug 26 18:52:30 2011

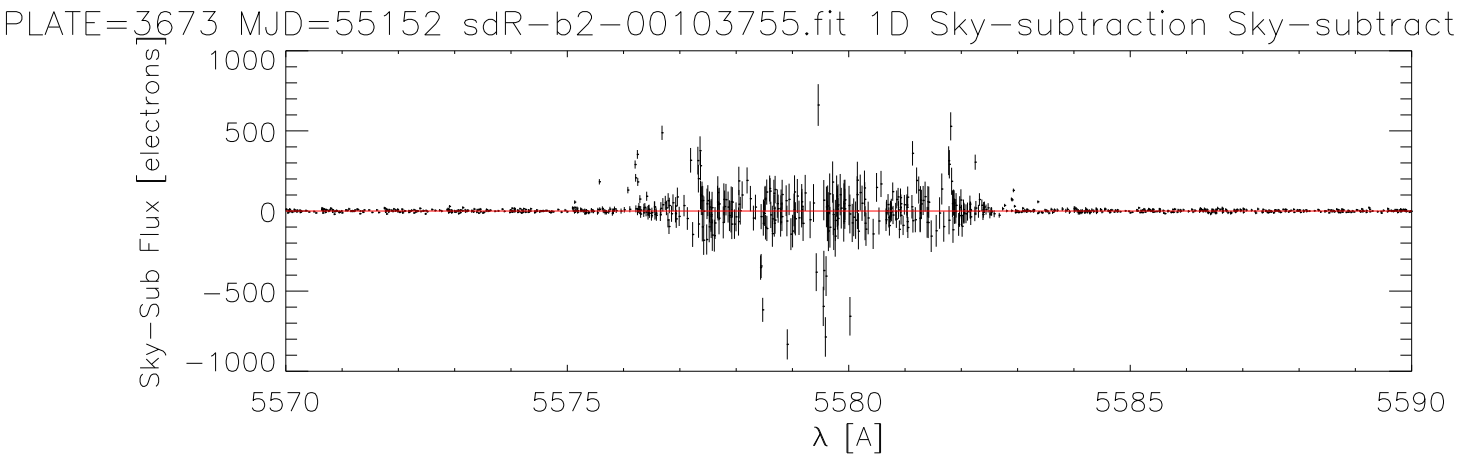

PLATE=3673 MJD=55152 Extraction chi^2 for sdR-b2-00103755.fit
BLACK = Final chisq extraction
χ^2
2.0
1.5
1.0
0.5
0.0
0
1000
2000
3000
4000
Row number


PLATE=3673 MJD=55152 Sky Line Deviations for sdR-b2-00103755.fit
1.00 pix
Before shift
After shift
Fiber Number
0
100
200
300
400
500
4046
4358
5460
5577
6300
6363
6553
6923
6949
Sky Line Wavelength

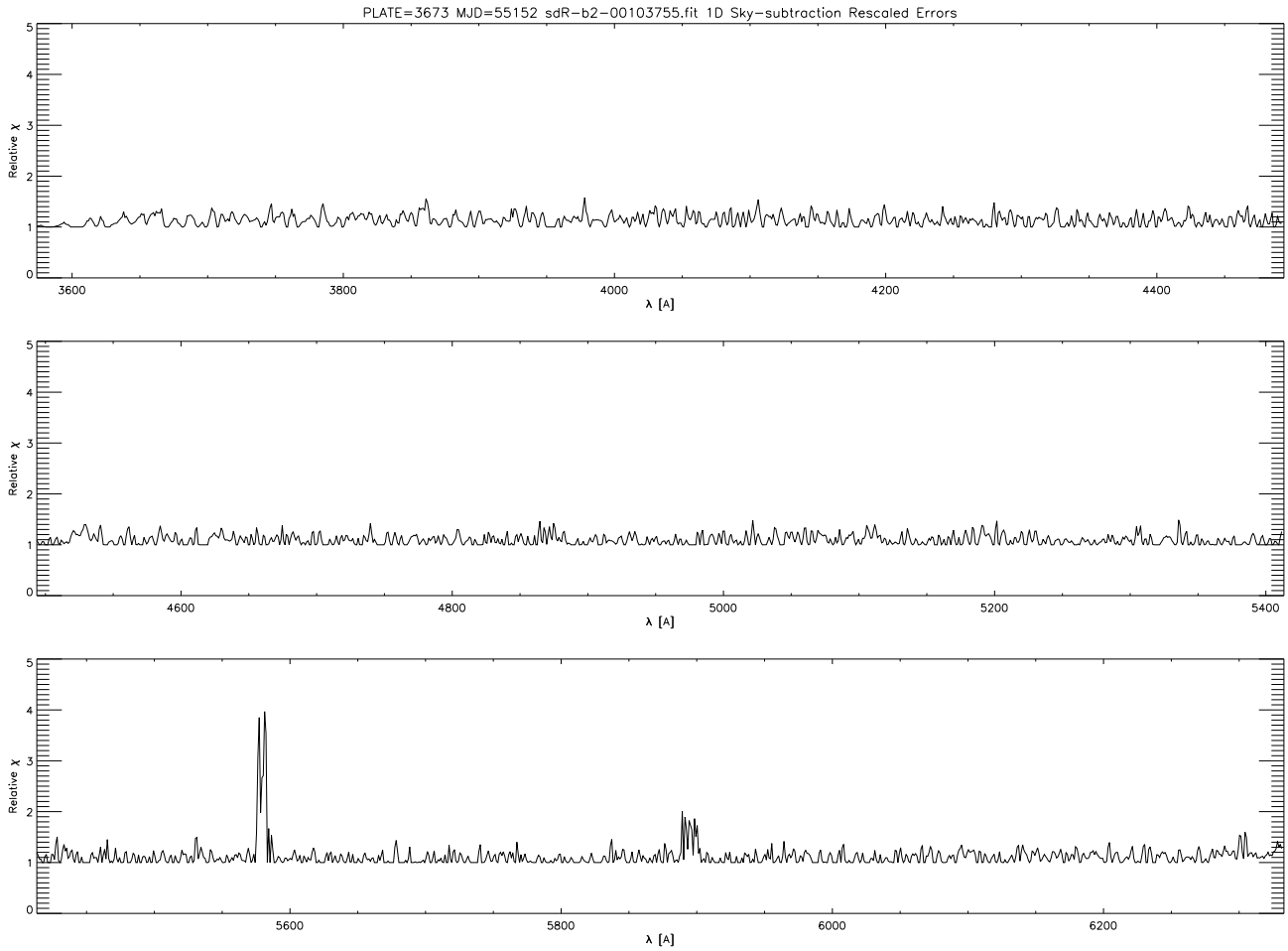

PLATE=3673 MJD=55152 Smooth superflat for sdR-b2-00103755.fit
2.0
1.5
1.0
0.5
0.0
1.04
1.02
1.00
0.98
0.96
3000
4000
5000
6000
7000
Wavelength (Å)

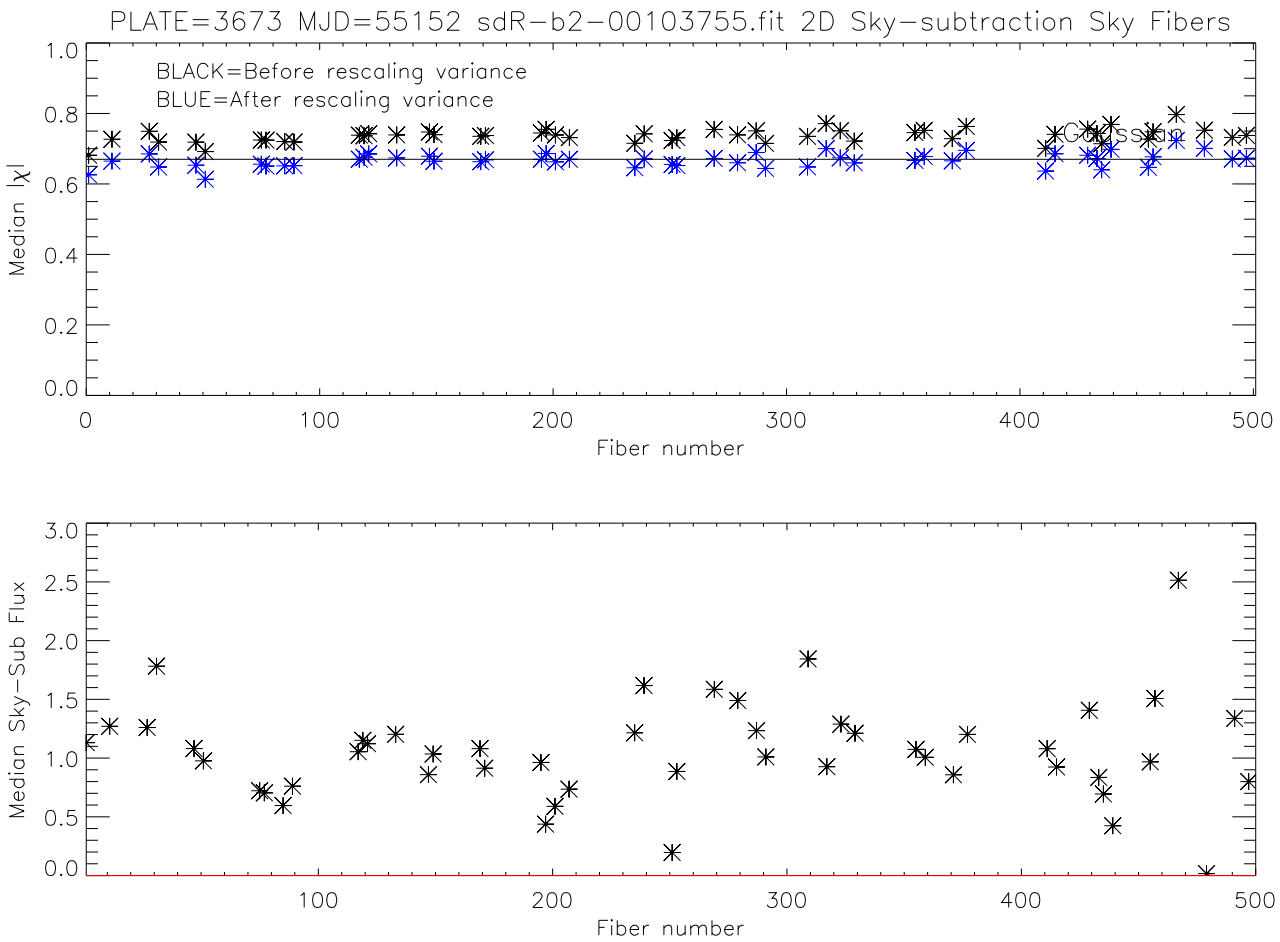

PLATE=3673 MJD=55152 sdR-b2-00103755.fit 1D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

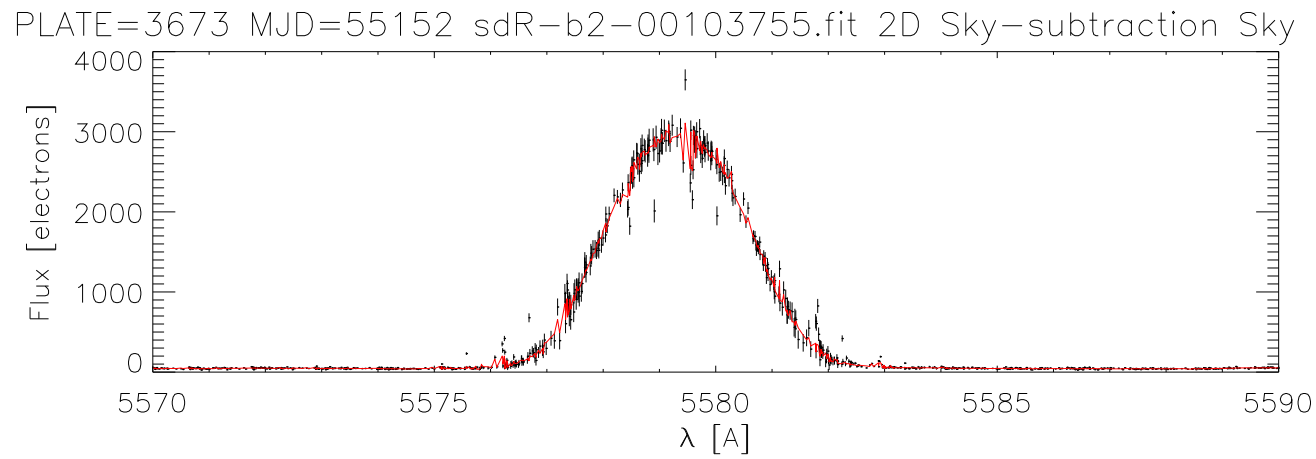

PLATE=3673 MJD=55152 sdR-b2-00103755.fit 1D Sky-subtraction Sky Fibers
Flux [electrons]
4000
3000
2000
1000
0
5570
5575
5580
5585
5590
λ [A]

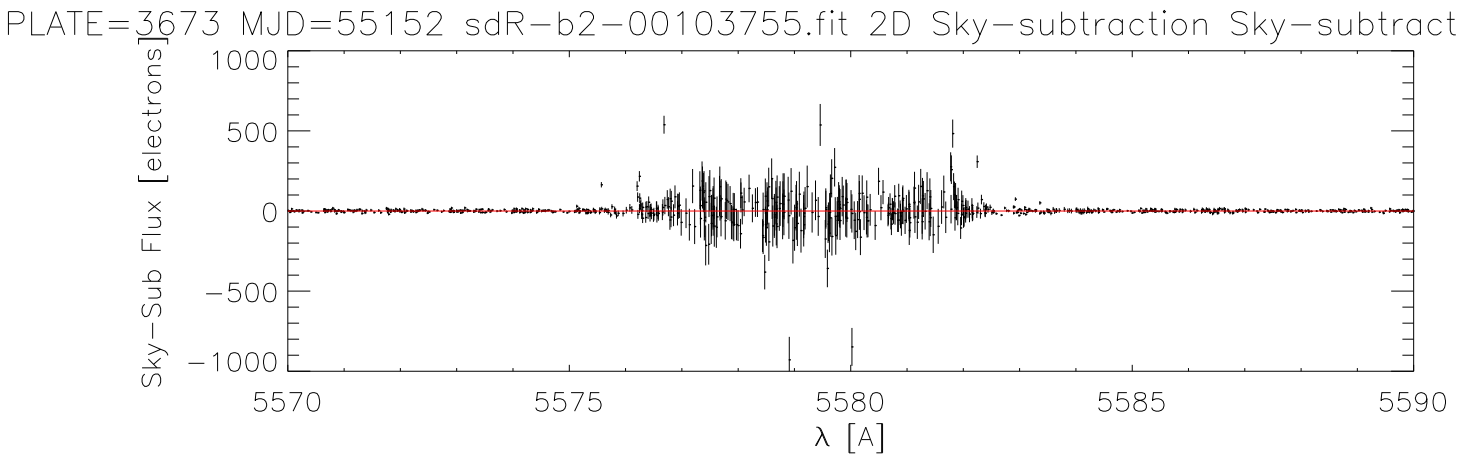

PLATE=3673 MJD=55152 sdR-b2-00103755.fit 1D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
1000
500
0
-500
-1000
5570
5575
5580
5585
5590
λ [A]

Number of sky fibers = 50

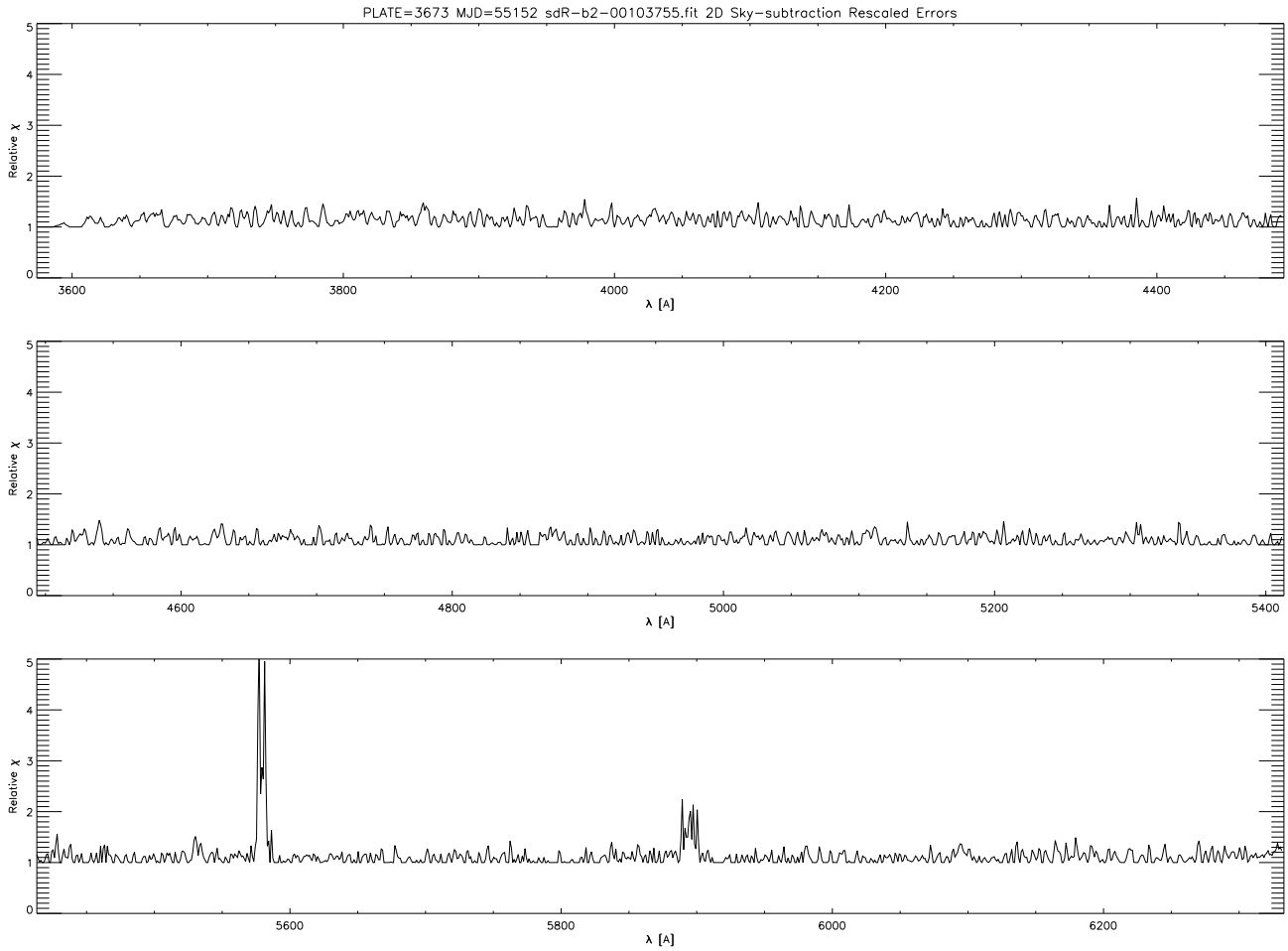


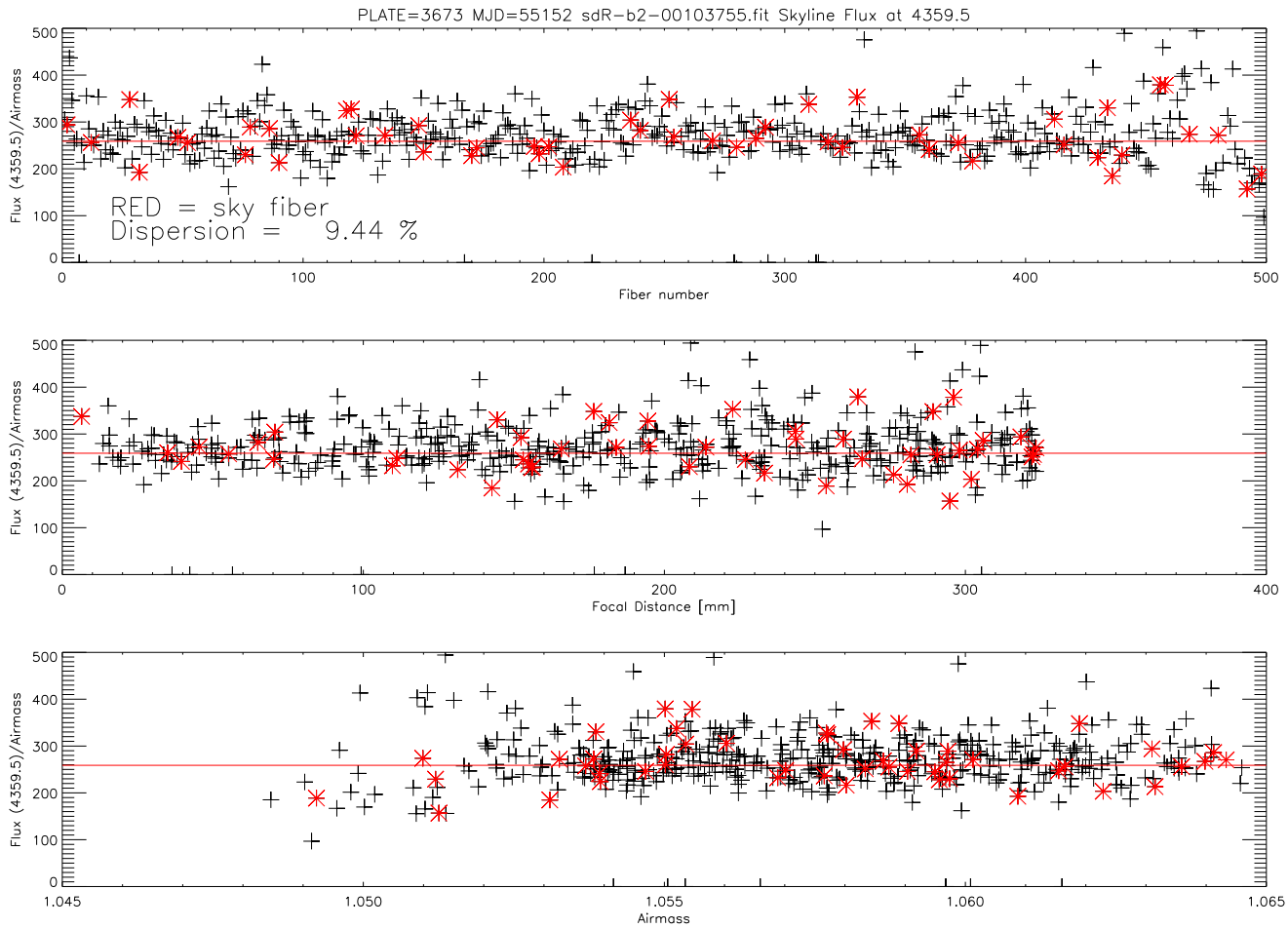

PLATE=3673 MJD=55152 sdR-b2-00103755.fit 2D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

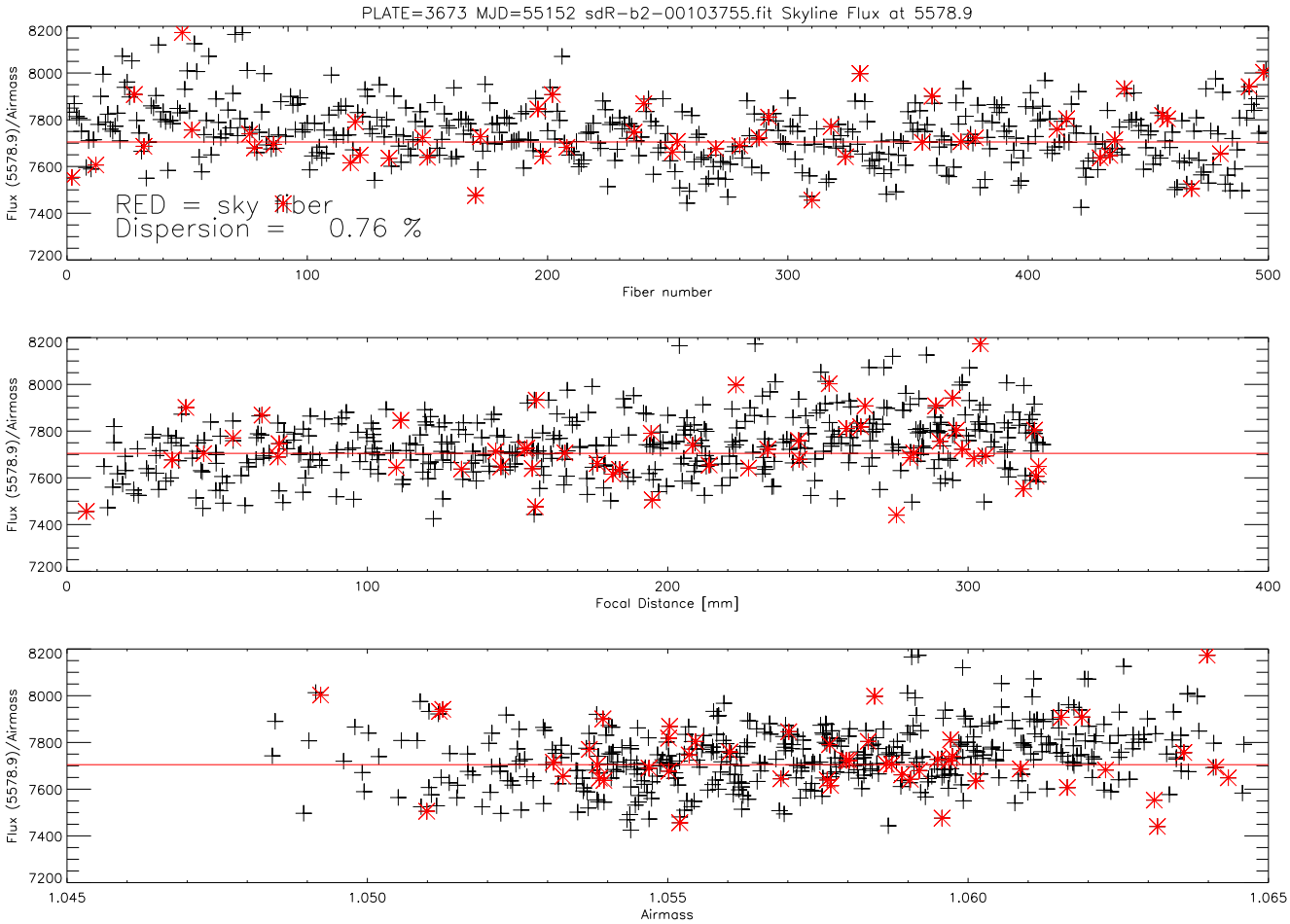

PLATE=3673 MJD=55152 sdR-b2-00103755.fit 2D Sky-subtraction Sky Fibers
Flux [electrons]
4000
3000
2000
1000
0
5570
5575
5580
5585
5590
λ [A]


PLATE=3673 MJD=55152 sdR-b2-00103755.fit 2D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
1000
500
0
-500
-1000
5570
5575
5580
5585
5590
λ [A]

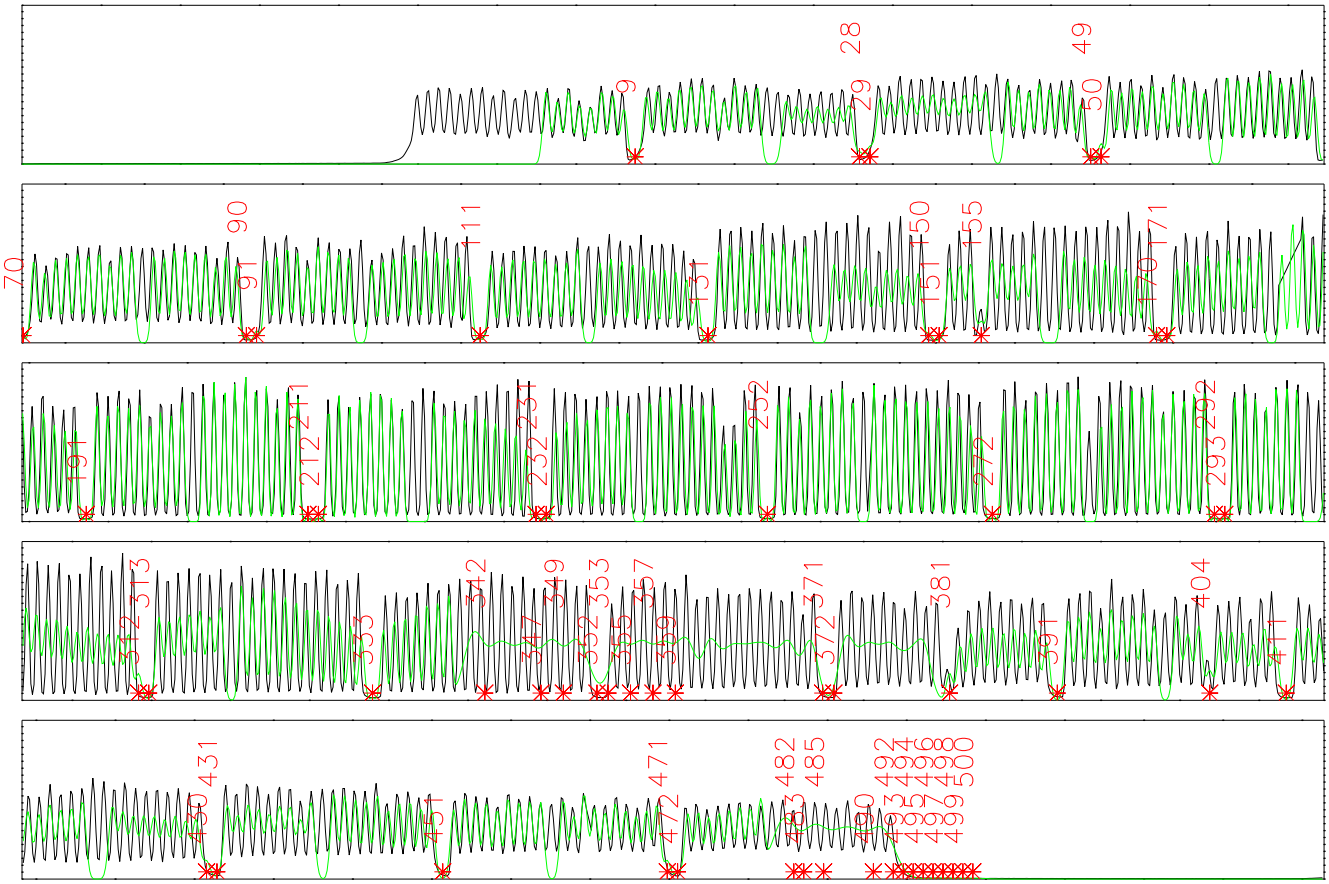
Number of sky fibers = 50



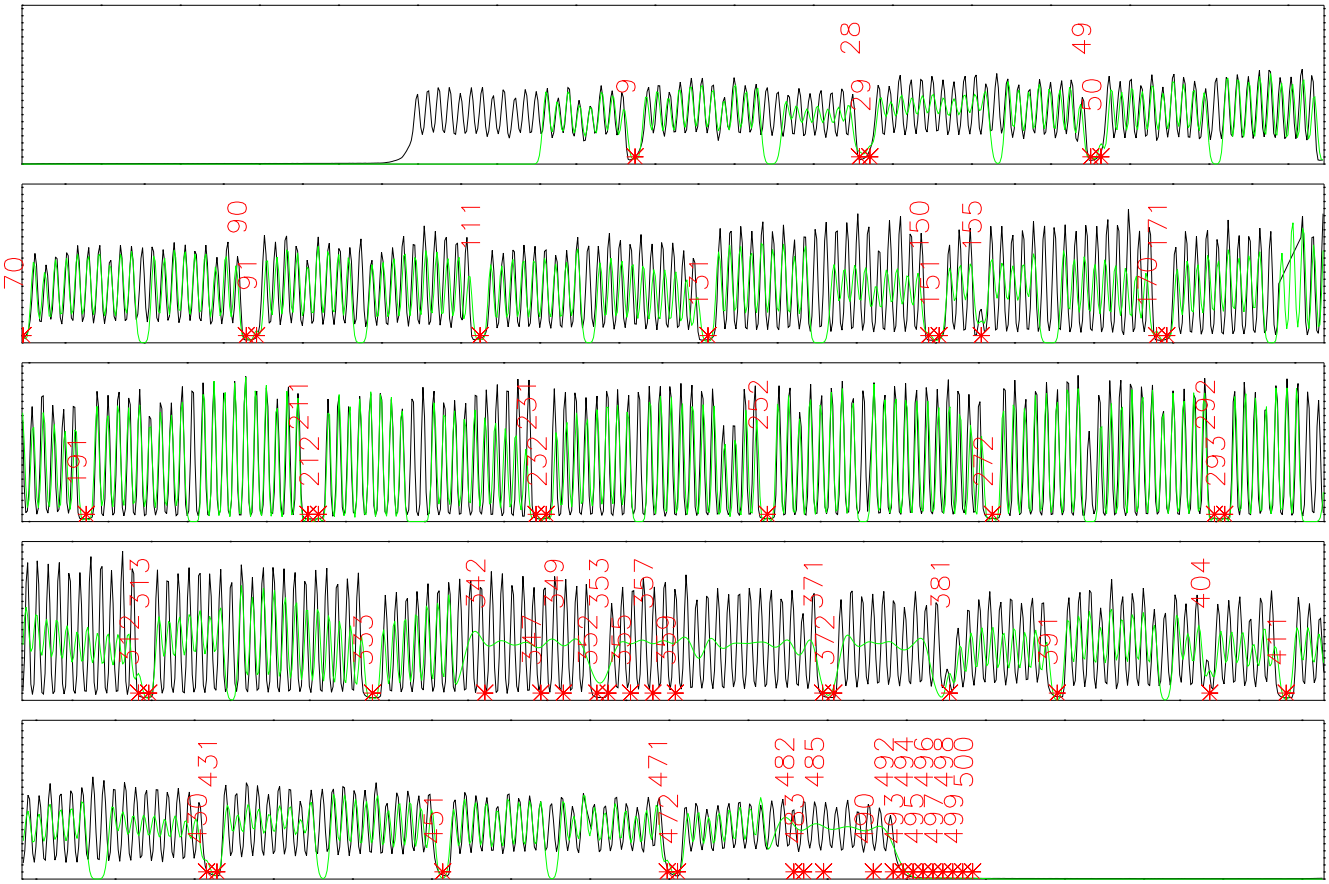

PLATE=3673 MJD=55152 sdR-b2-00103755.fit Skyline Flux at 4359.5
Flux (4359.5)/Airmass
RED = sky fiber
Dispersion = 9.44 %
Fiber number
Flux (4359.5)/Airmass
Focal Distance [mm]
Flux (4359.5)/Airmass
Airmass


PLATE=3673 MJD=55152 sdR-b2-00103755.fit Skyline Flux at 5578.9
Flux (5578.9)/Airmass
RED = sky fiber
Dispersion = 0.76 %
Fiber number
Focal Distance [mm]
Airmass

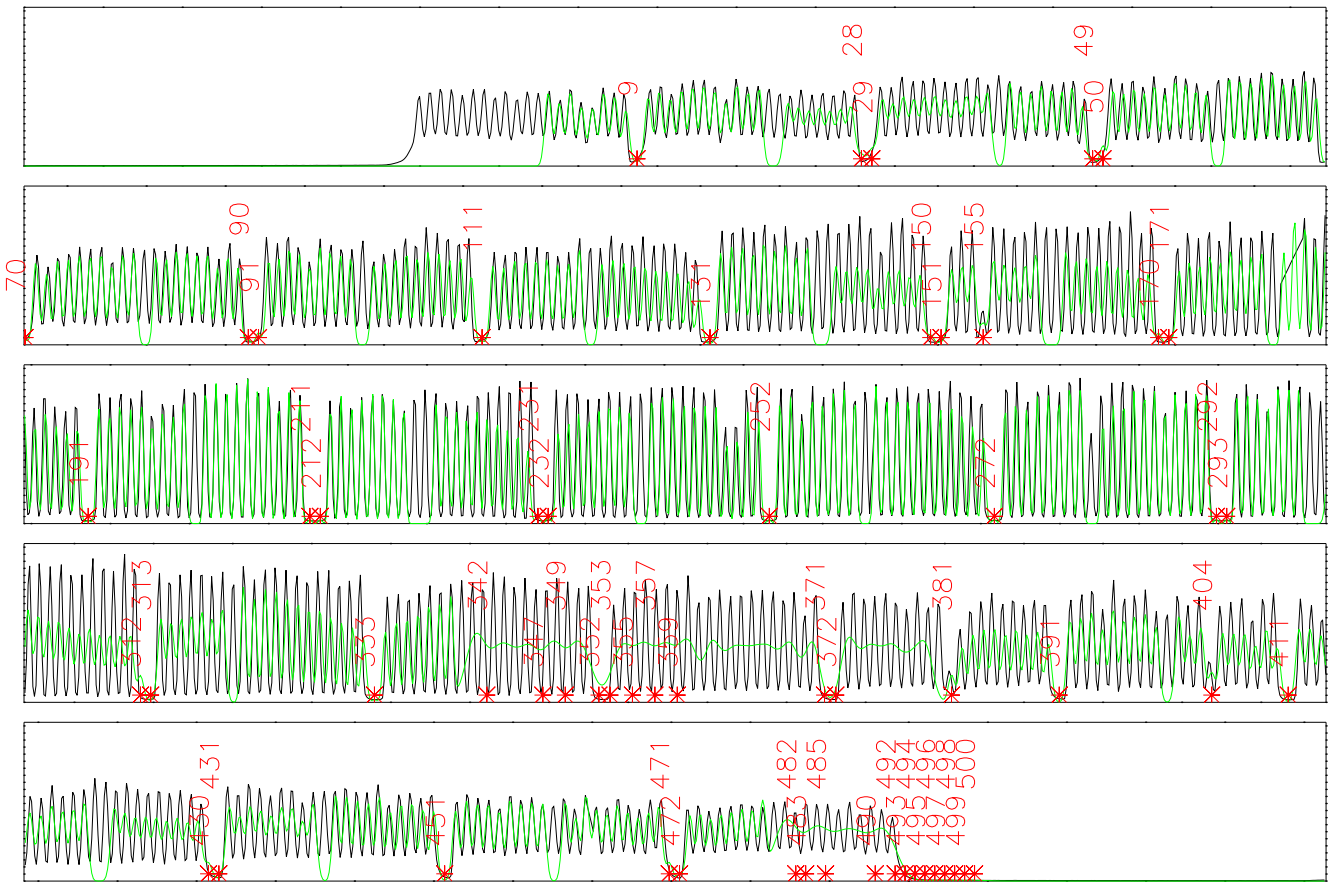
PLATE=3673 MJD=55152 Traces sdR-r1-00103744.fit



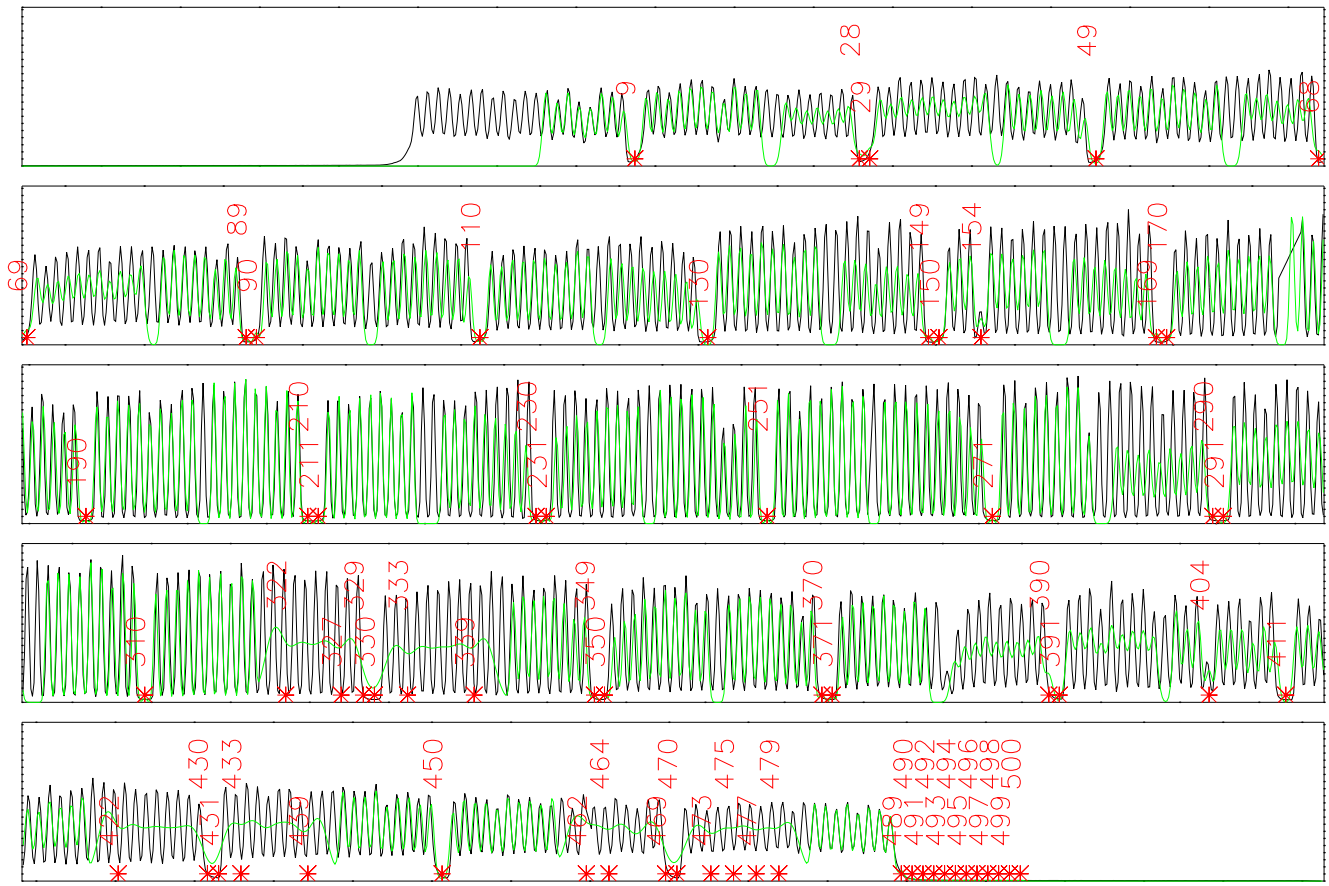
PLATE=3673 MJD=55152 Traces sdR-r1-00103745.fit



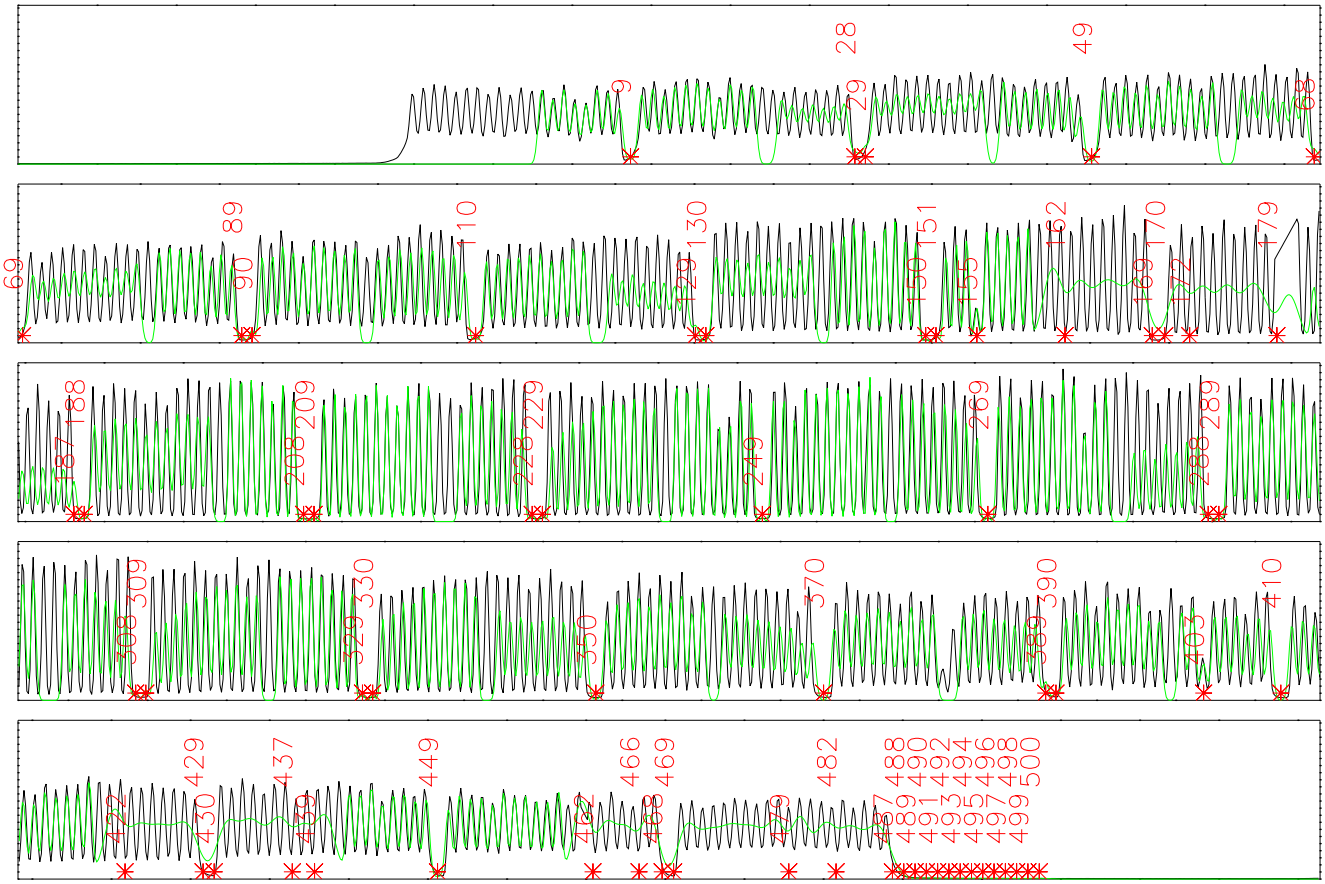
PLATE=3673 MJD=55152 Traces sdR-r1-00103747.fit



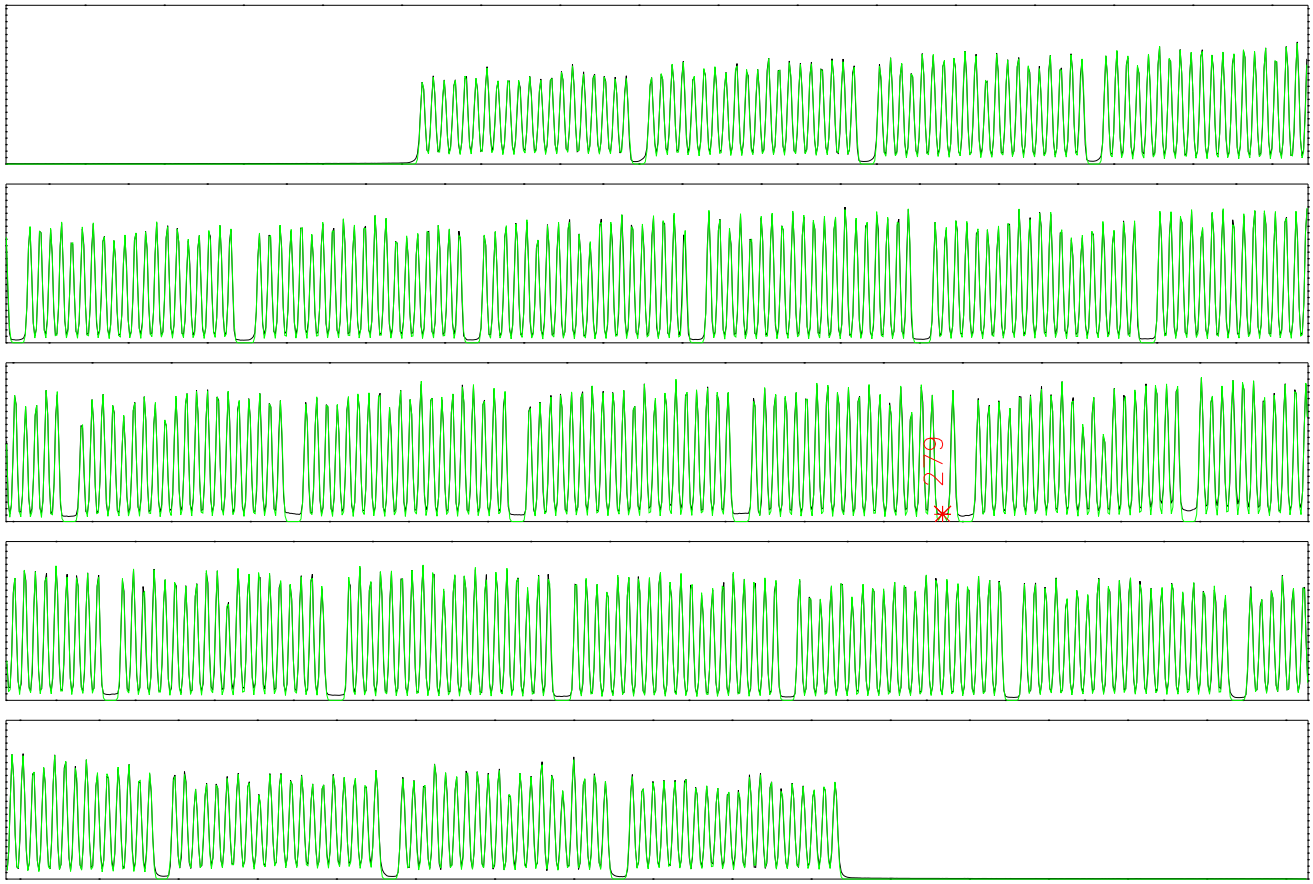
PLATE=3673 MJD=55152 Traces sdR-r1-00103751.fit

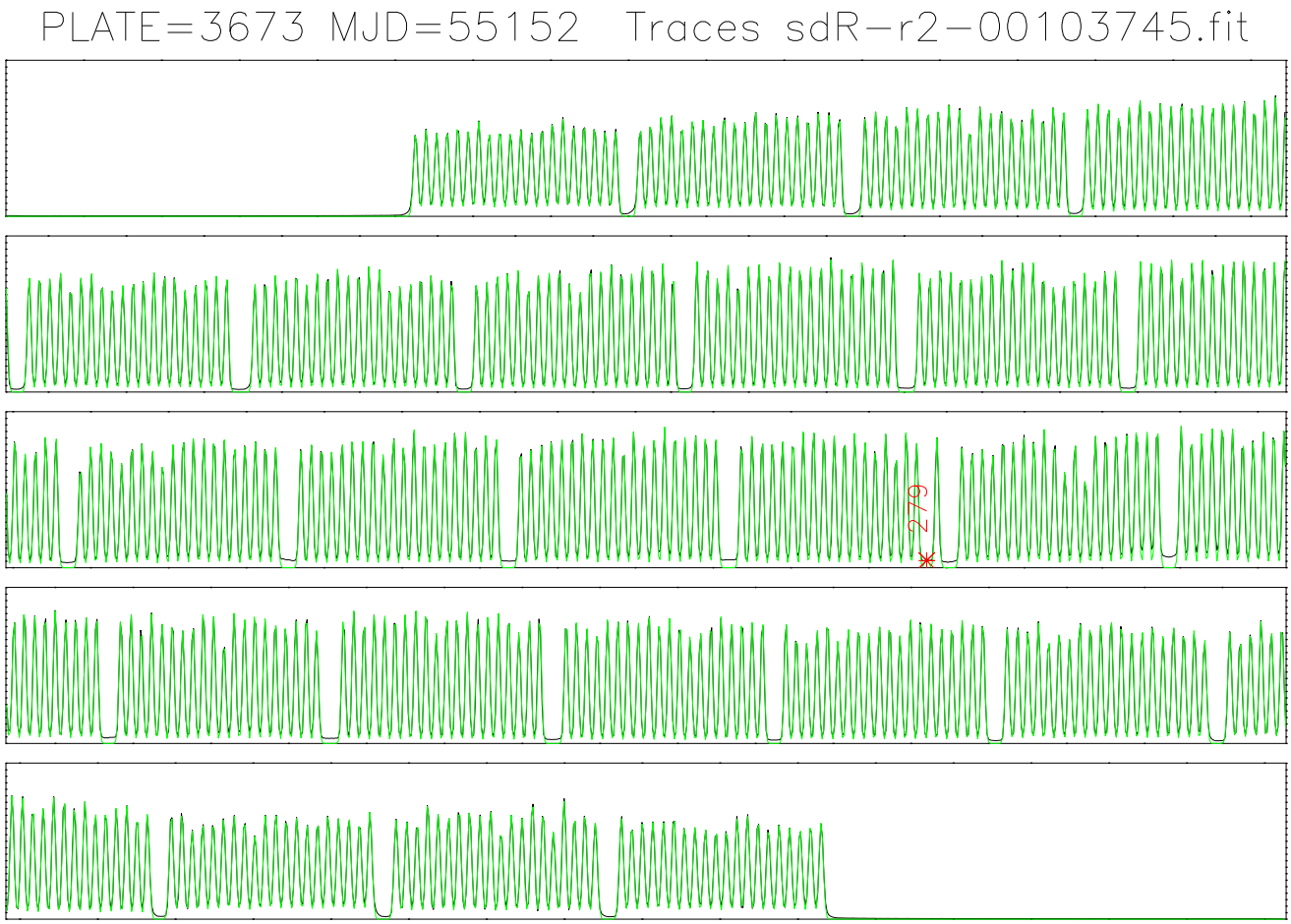


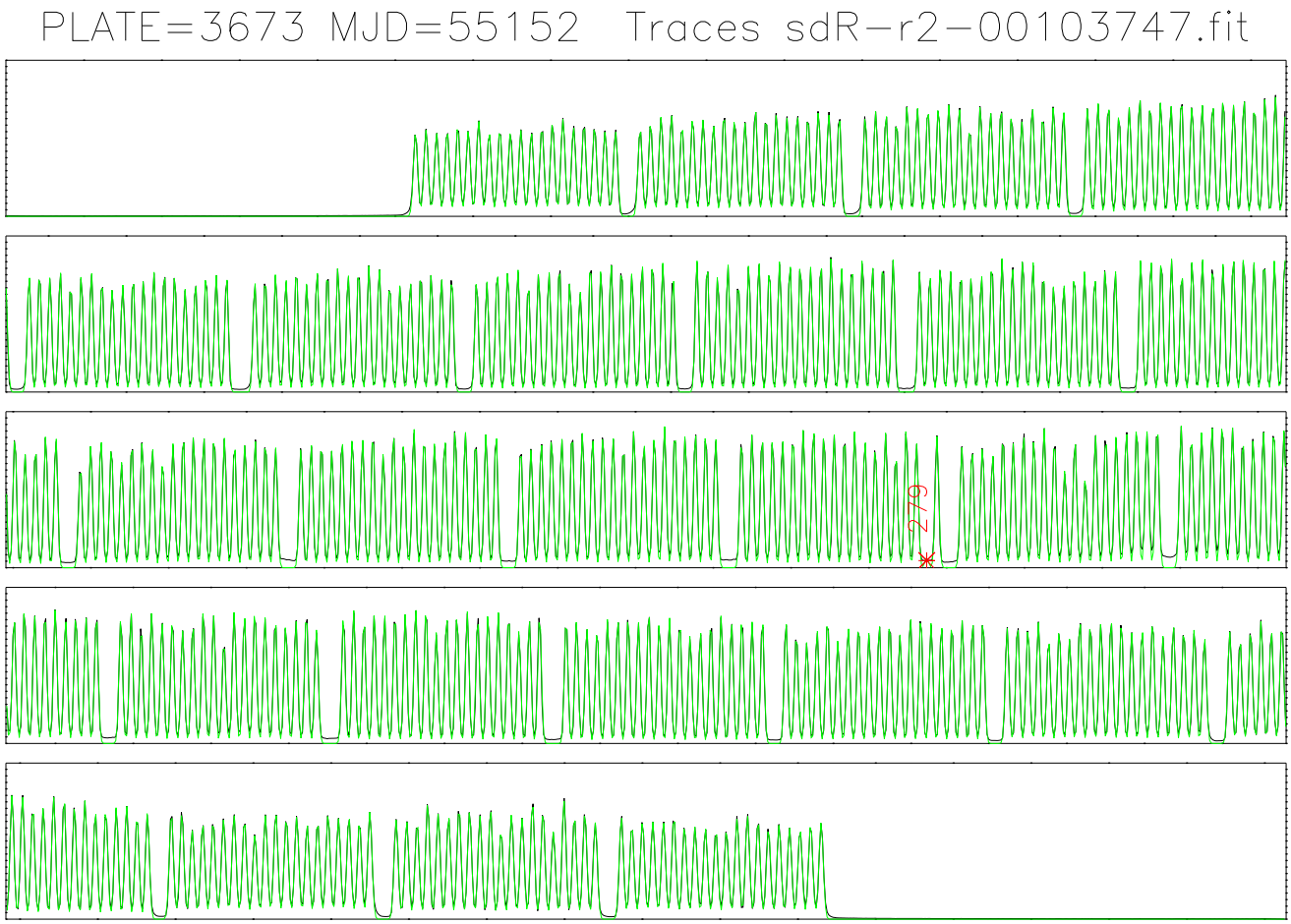
PLATE=3673 MJD=55152 Traces sdR-r1-00103756.fit

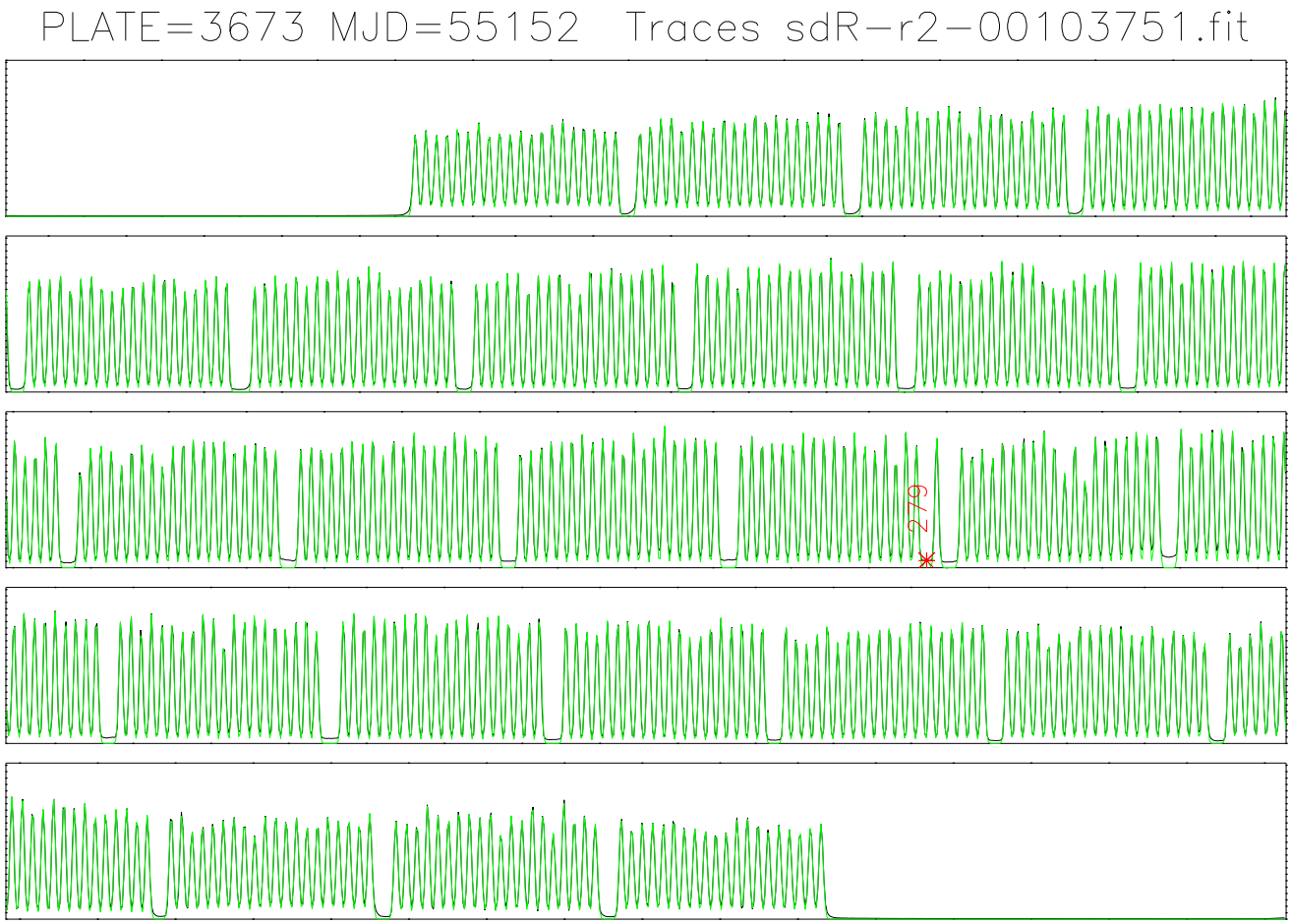


PLATE=3673 MJD=55152 Traces sdR-r2-00103744.fit

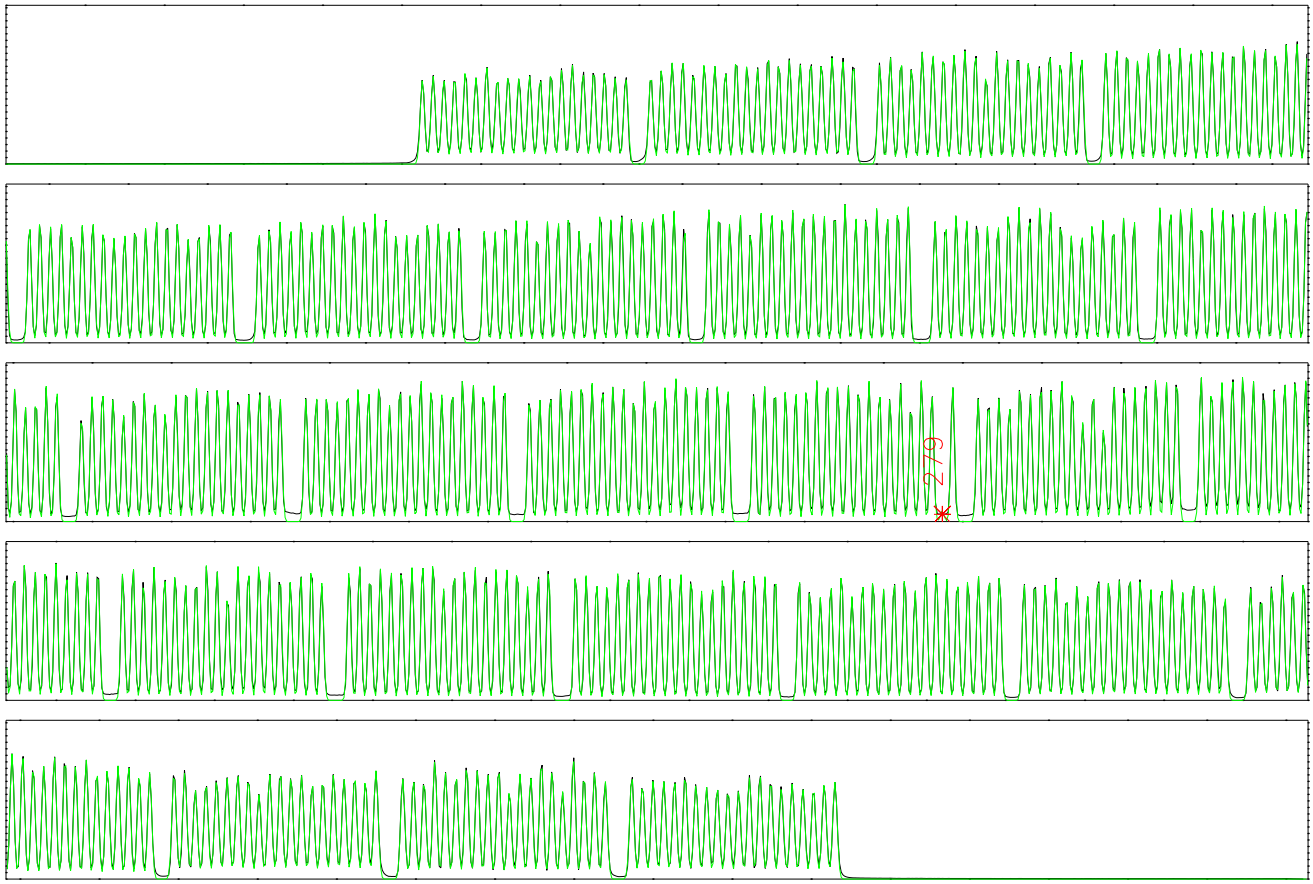


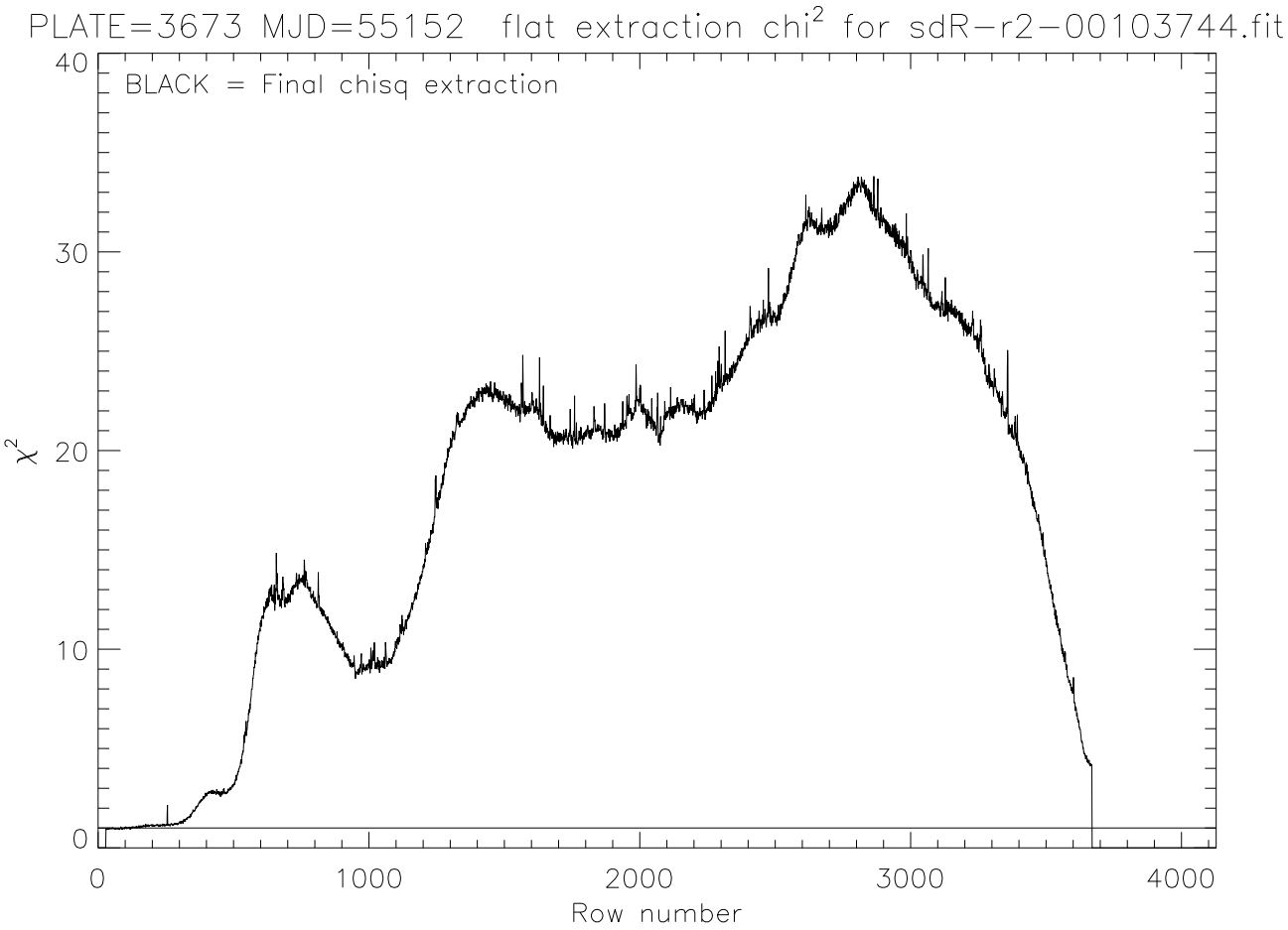

PLATE=3673 MJD=55152 Traces sdR-r2-00103745.fit
279

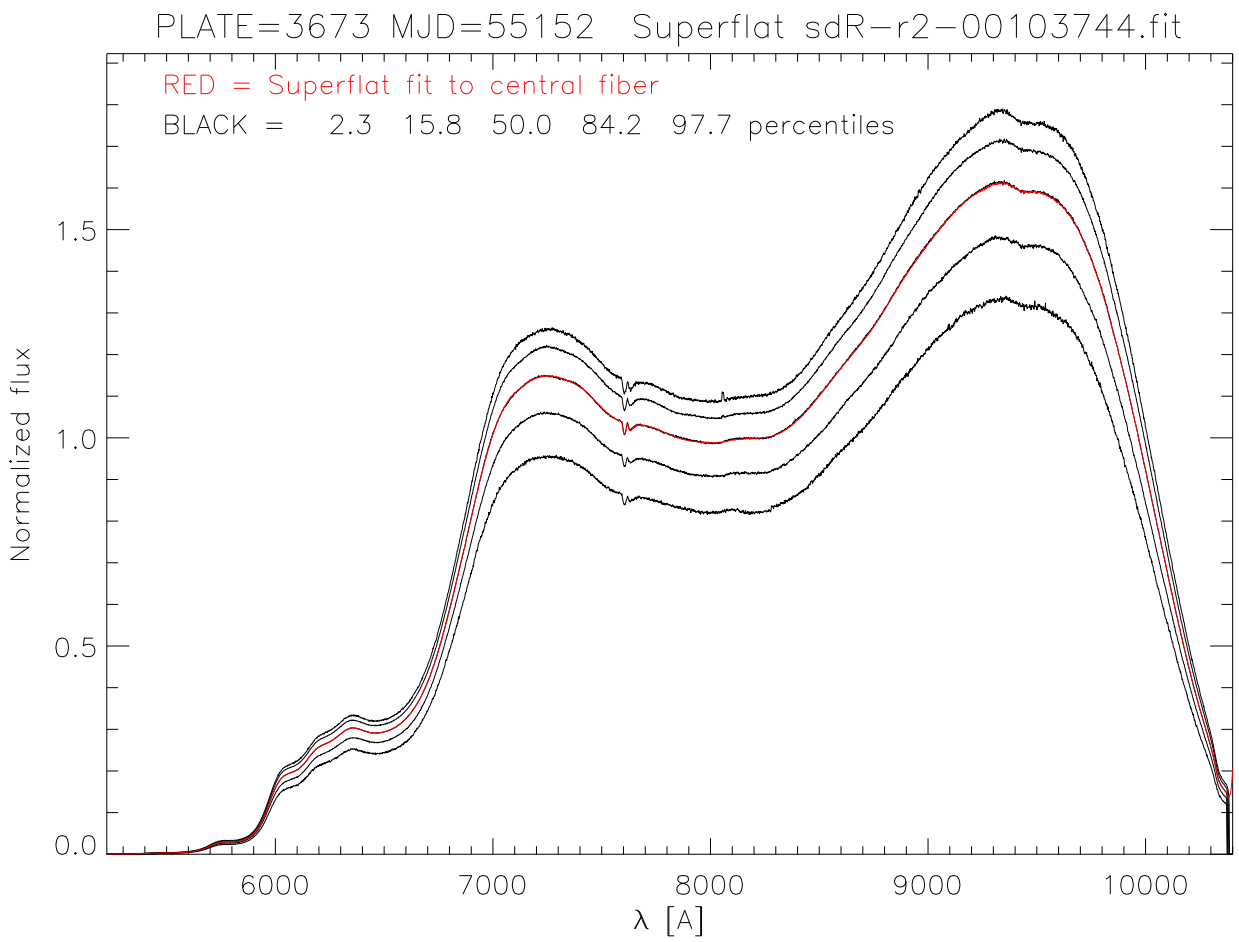

PLATE=3673 MJD=55152 Traces sdR-r2-00103747.fit
279

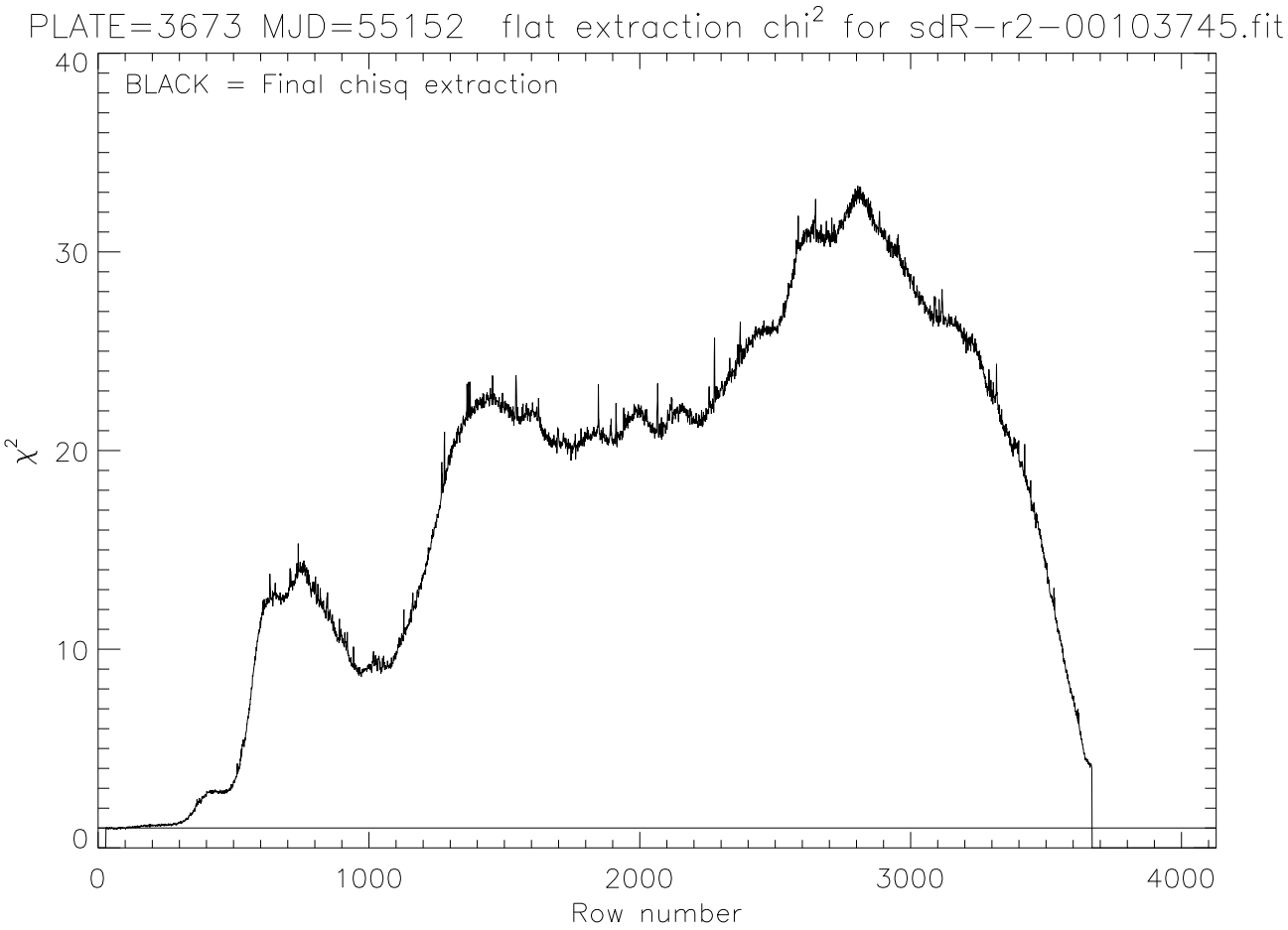

PLATE=3673 MJD=55152 Traces sdR-r2-00103751.fit
279

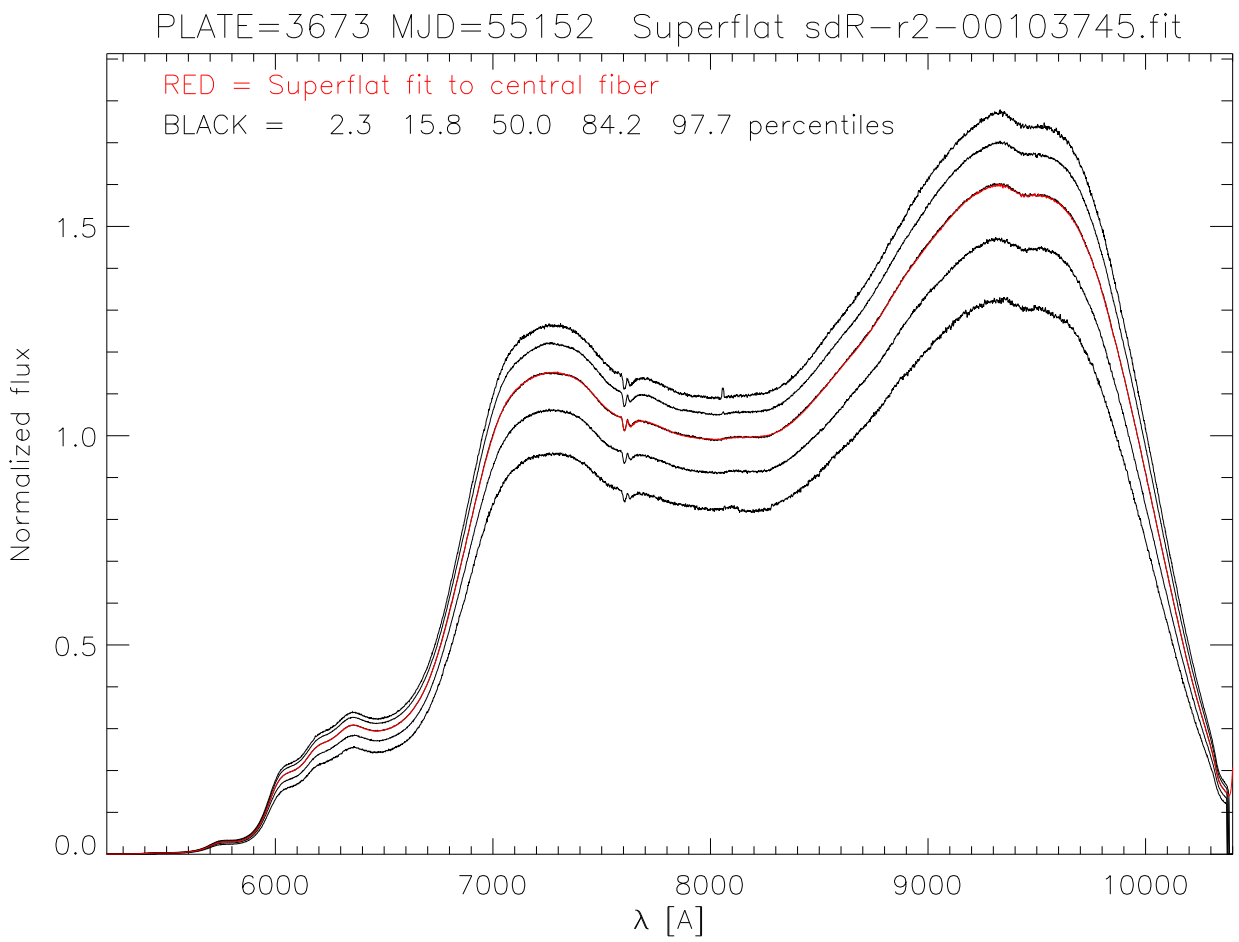
PLATE=3673 MJD=55152 Traces sdR-r2-00103756.fit

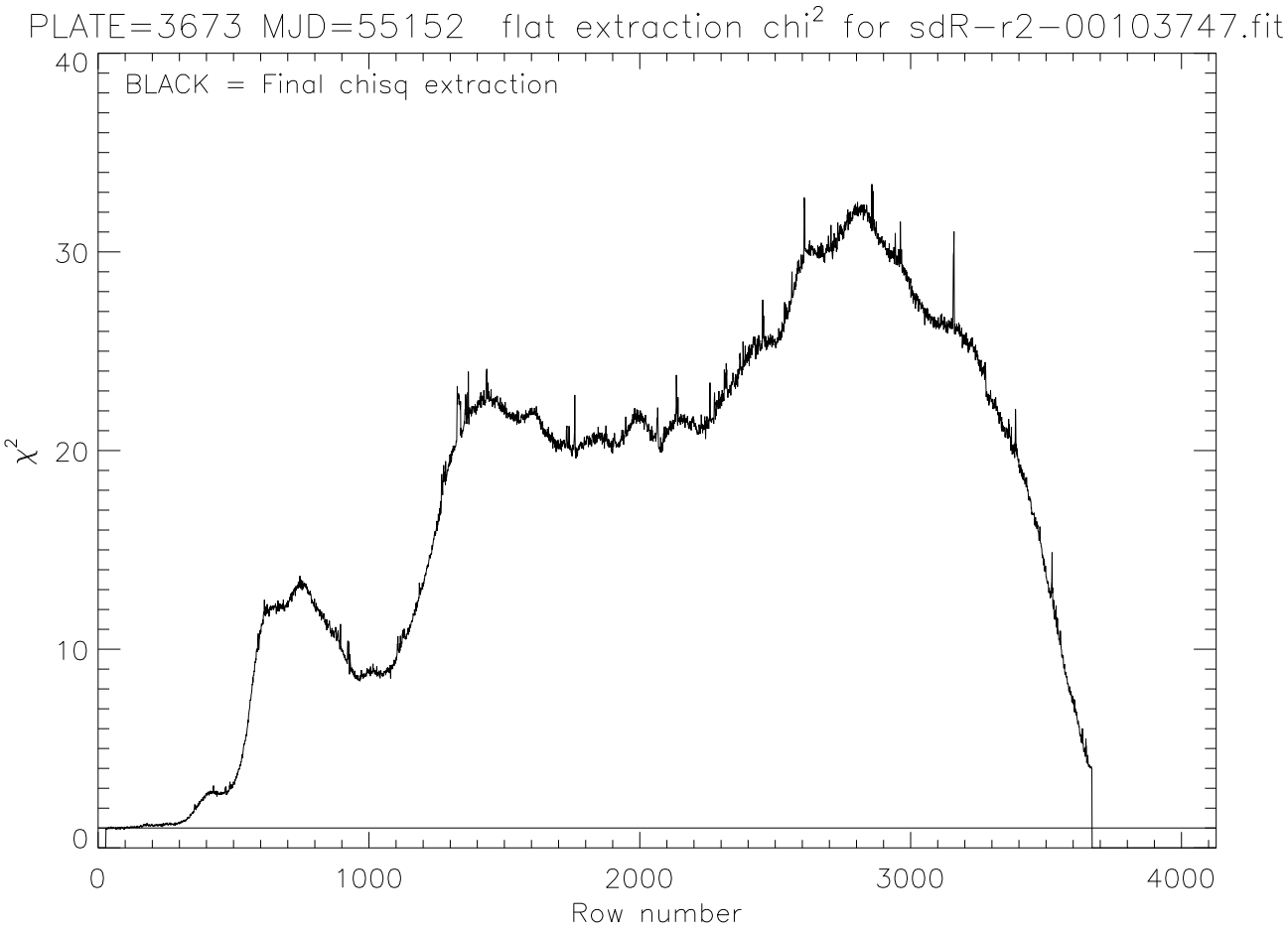


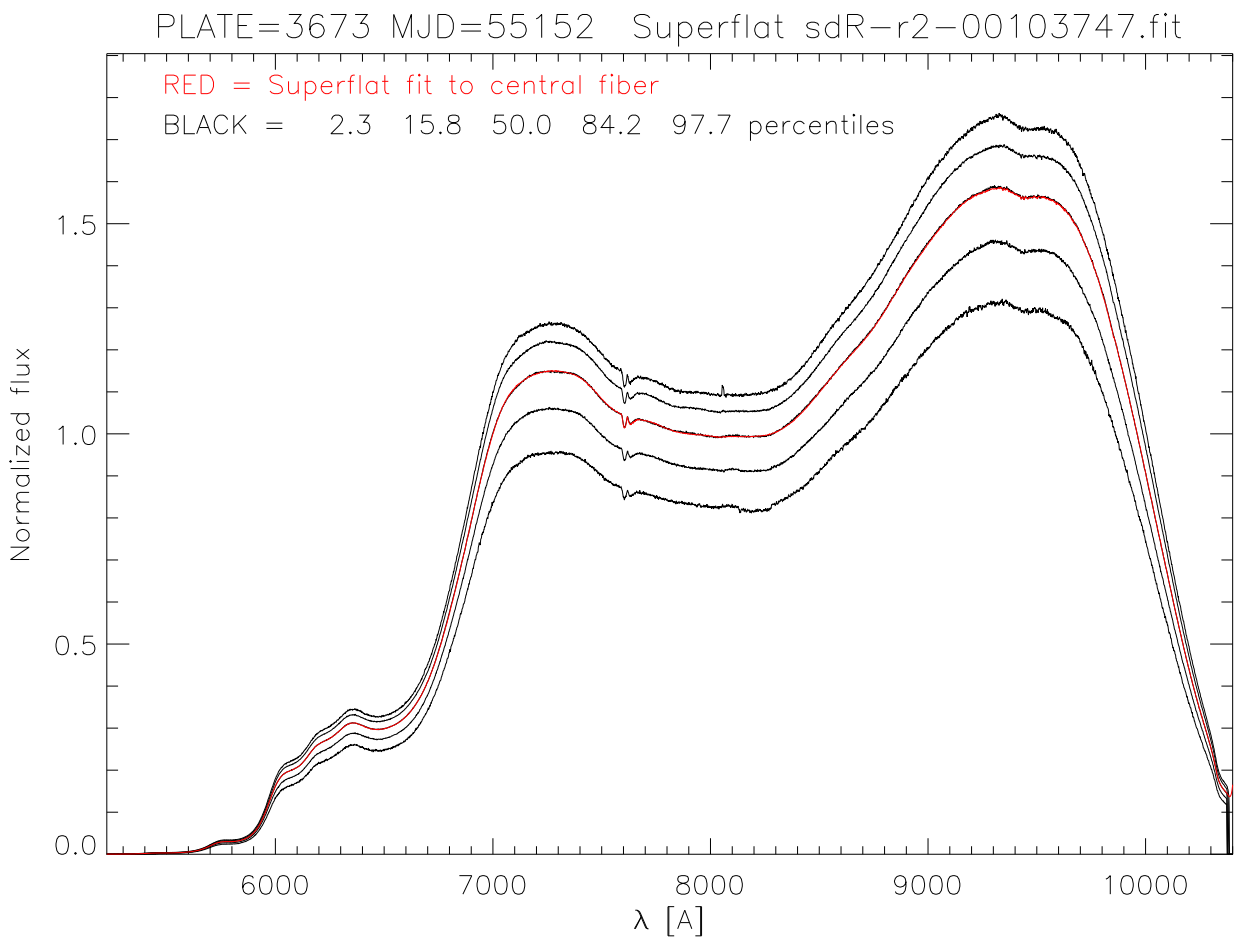

PLATE=3673 MJD=55152 flat extraction chi^2 for sdR−r2−00103744.fit
BLACK = Final chisq extraction
χ^2
0
10
20
30
40
0
1000
2000
3000
4000
Row number

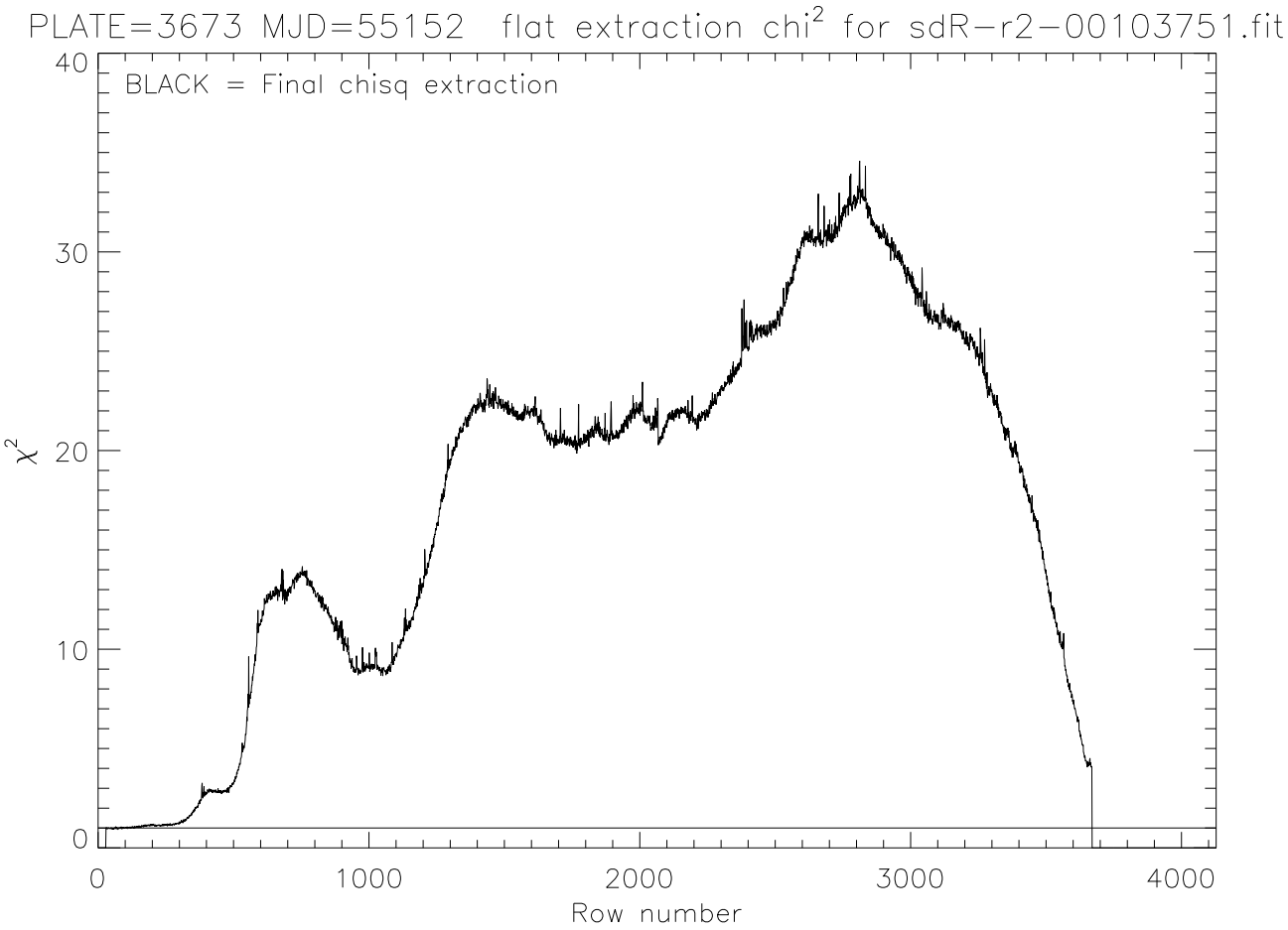

PLATE=3673 MJD=55152 Superflat sdR-r2-00103744.fit
RED = Superflat fit to central fiber
BLACK = 2.3 15.8 50.0 84.2 97.7 percentiles
Normalized flux
0.0
0.5
1.0
1.5
6000
7000
8000
9000
10000
λ [A]

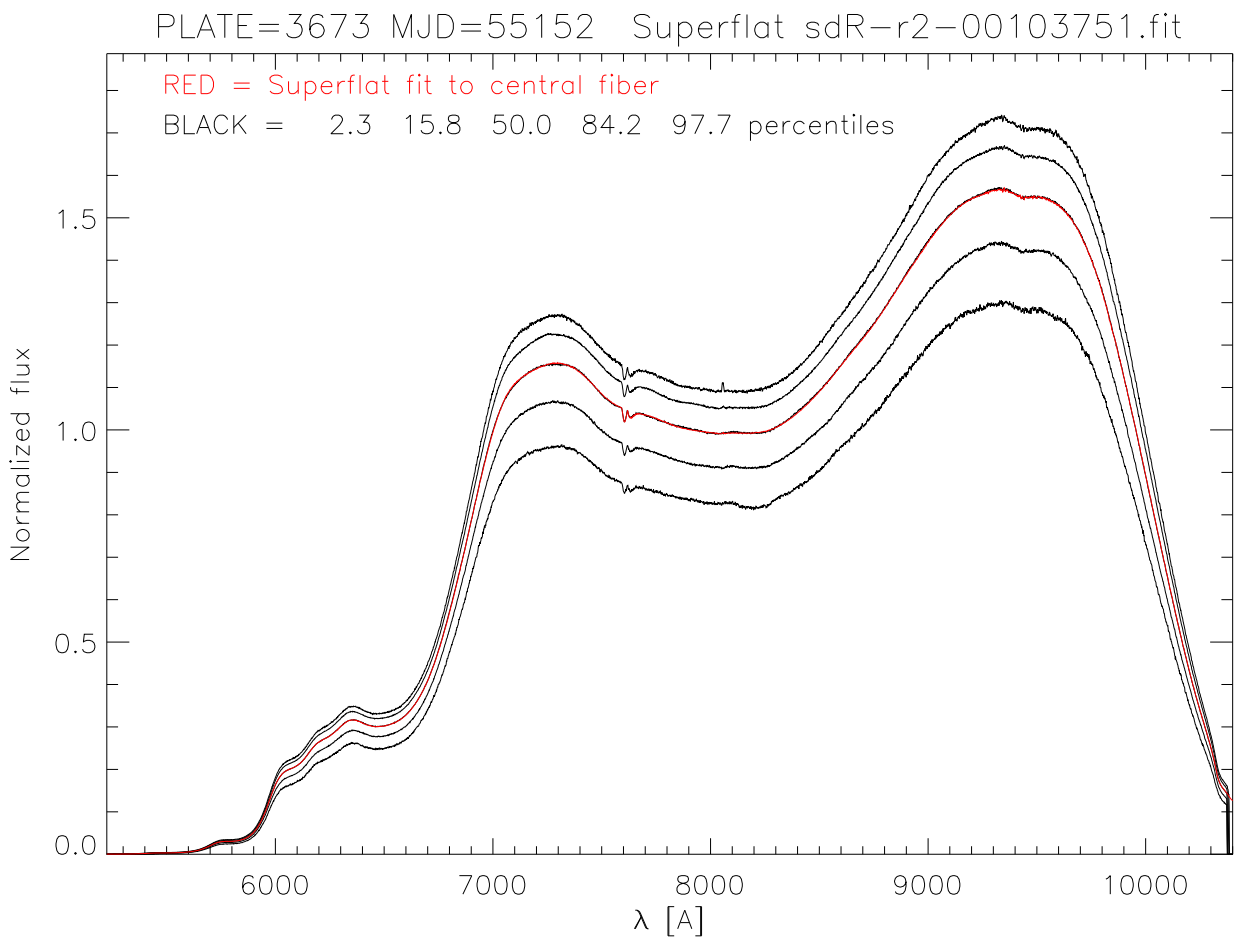

PLATE=3673 MJD=55152 flat extraction chi^2 for sdR−r2−00103745.fit
BLACK = Final chisq extraction
χ^2
0
10
20
30
40
0
1000
2000
3000
4000
Row number

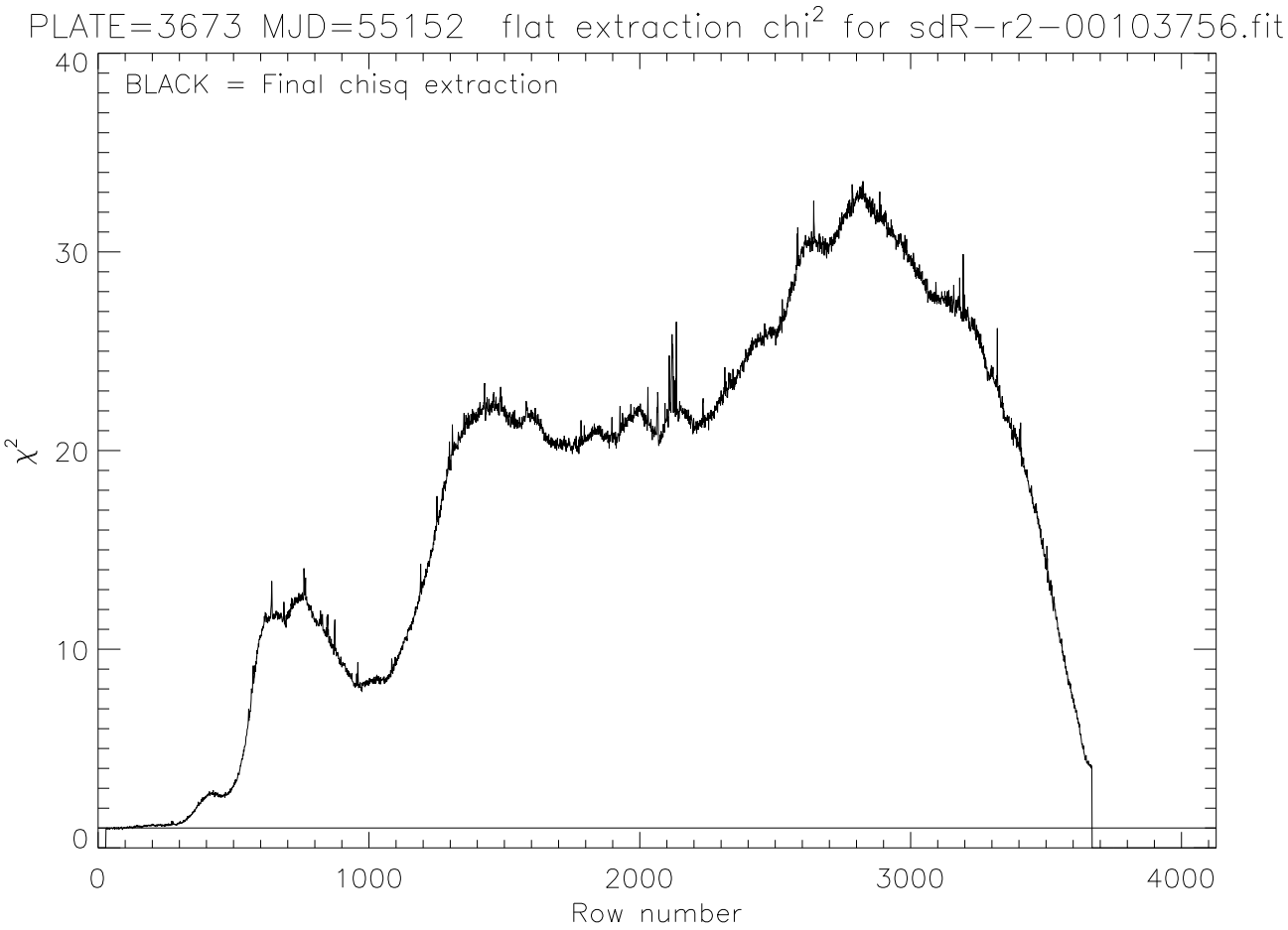

PLATE=3673 MJD=55152 Superflat sdR-r2-00103745.fit
RED = Superflat fit to central fiber
BLACK = 2.3 15.8 50.0 84.2 97.7 percentiles
Normalized flux
0.0
0.5
1.0
1.5
6000
7000
8000
9000
10000
λ [A]

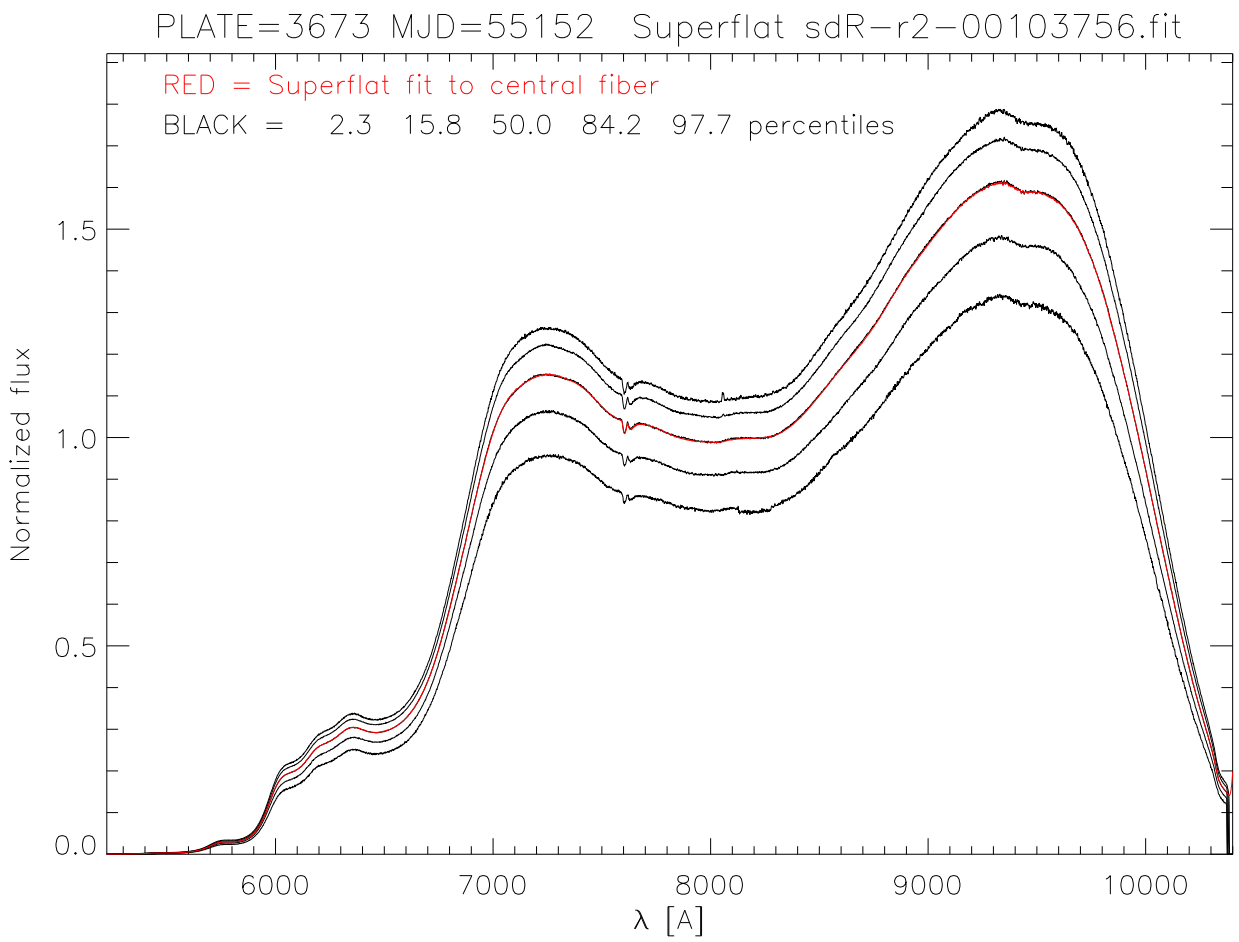

PLATE=3673 MJD=55152 flat extraction chi^2 for sdR−r2−00103747.fit
BLACK = Final chisq extraction
χ^2
0
10
20
30
40
0
1000
2000
3000
4000
Row number

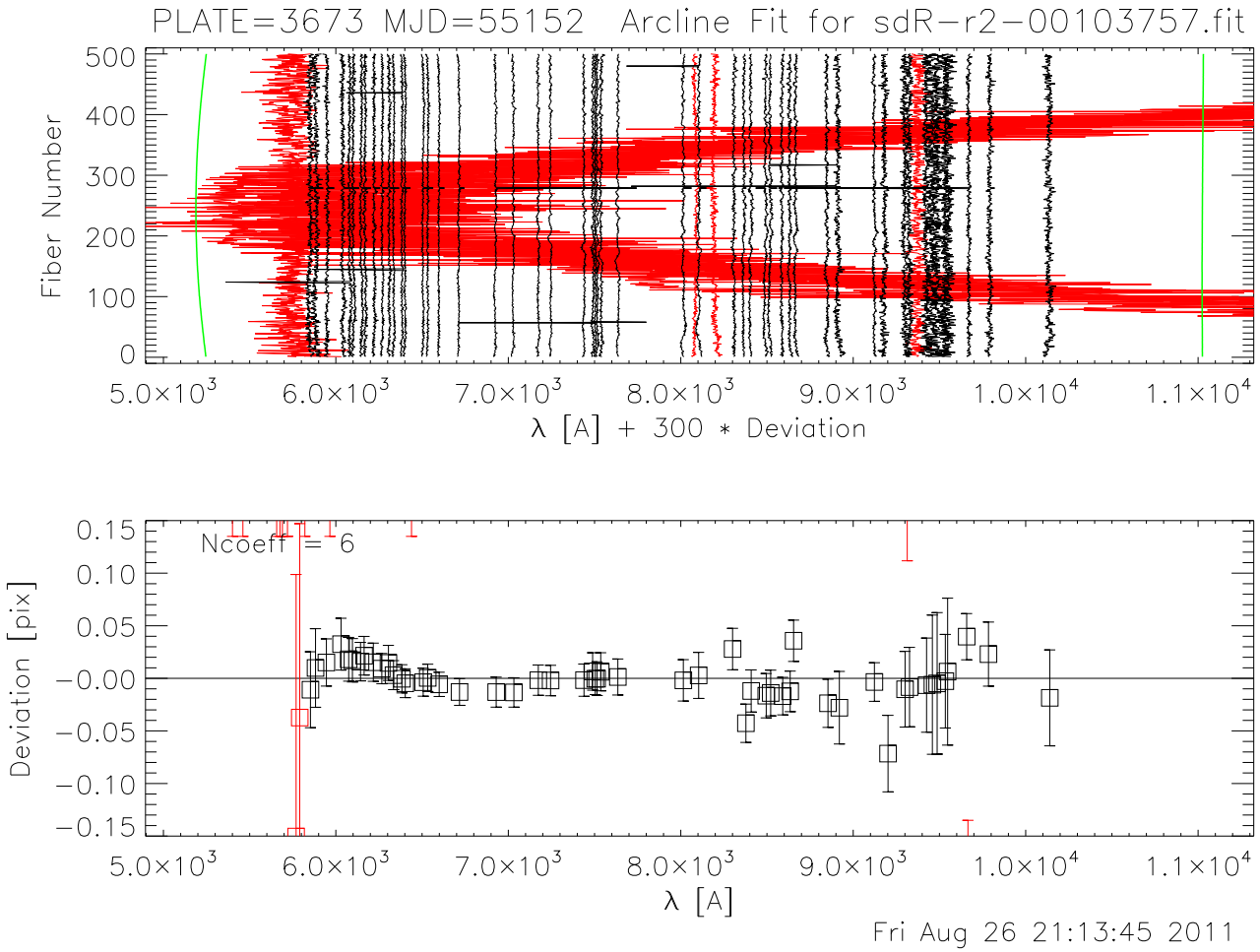

PLATE=3673 MJD=55152 Superflat sdR-r2-00103747.fit
RED = Superflat fit to central fiber
BLACK = 2.3 15.8 50.0 84.2 97.7 percentiles
Normalized flux
0.0
0.5
1.0
1.5
6000
7000
8000
9000
10000
λ [A]

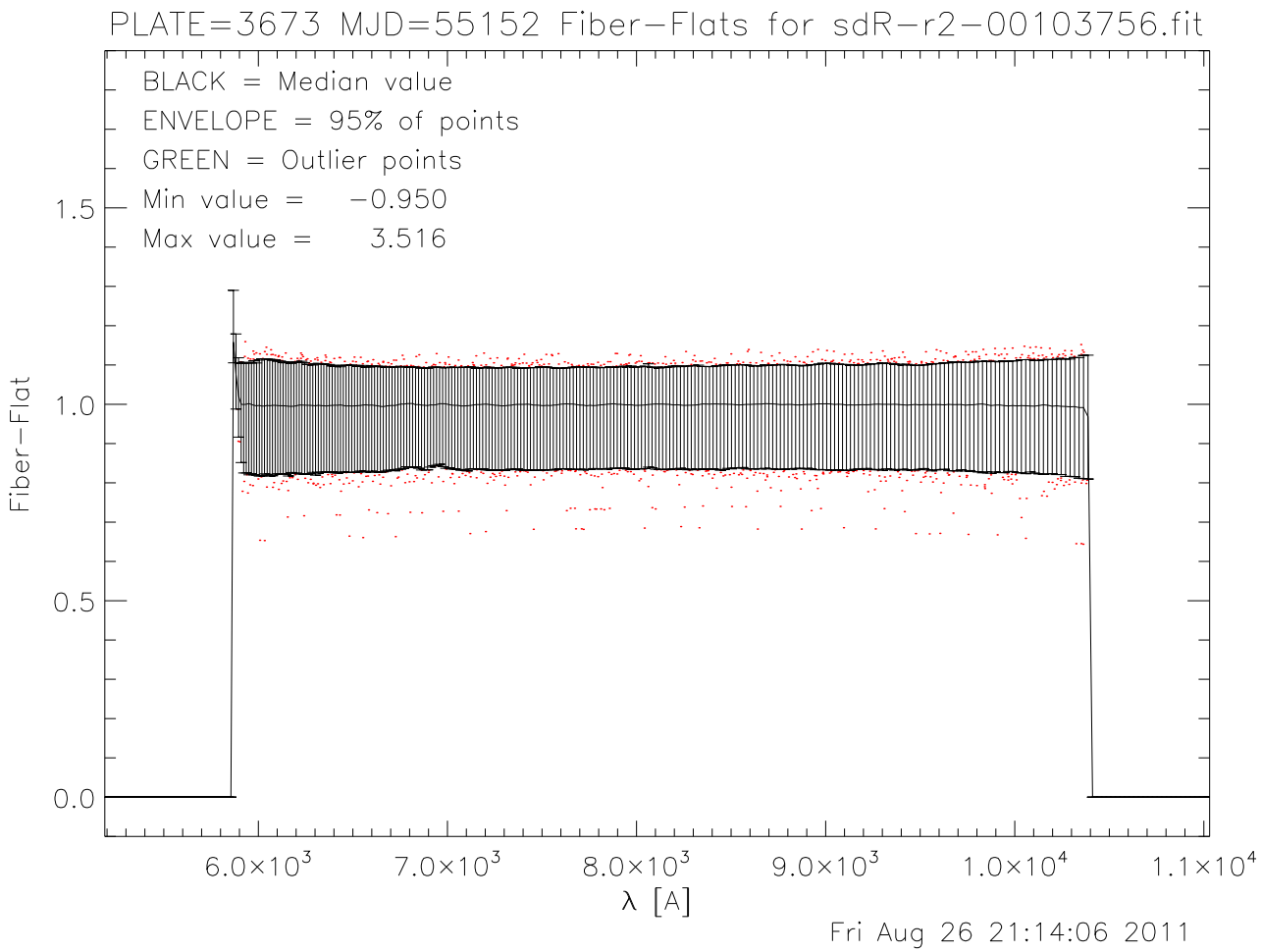

PLATE=3673 MJD=55152 flat extraction chi^2 for sdR−r2−00103751.fit
BLACK = Final chisq extraction
χ^2
0
10
20
30
40
0
1000
2000
3000
4000
Row number

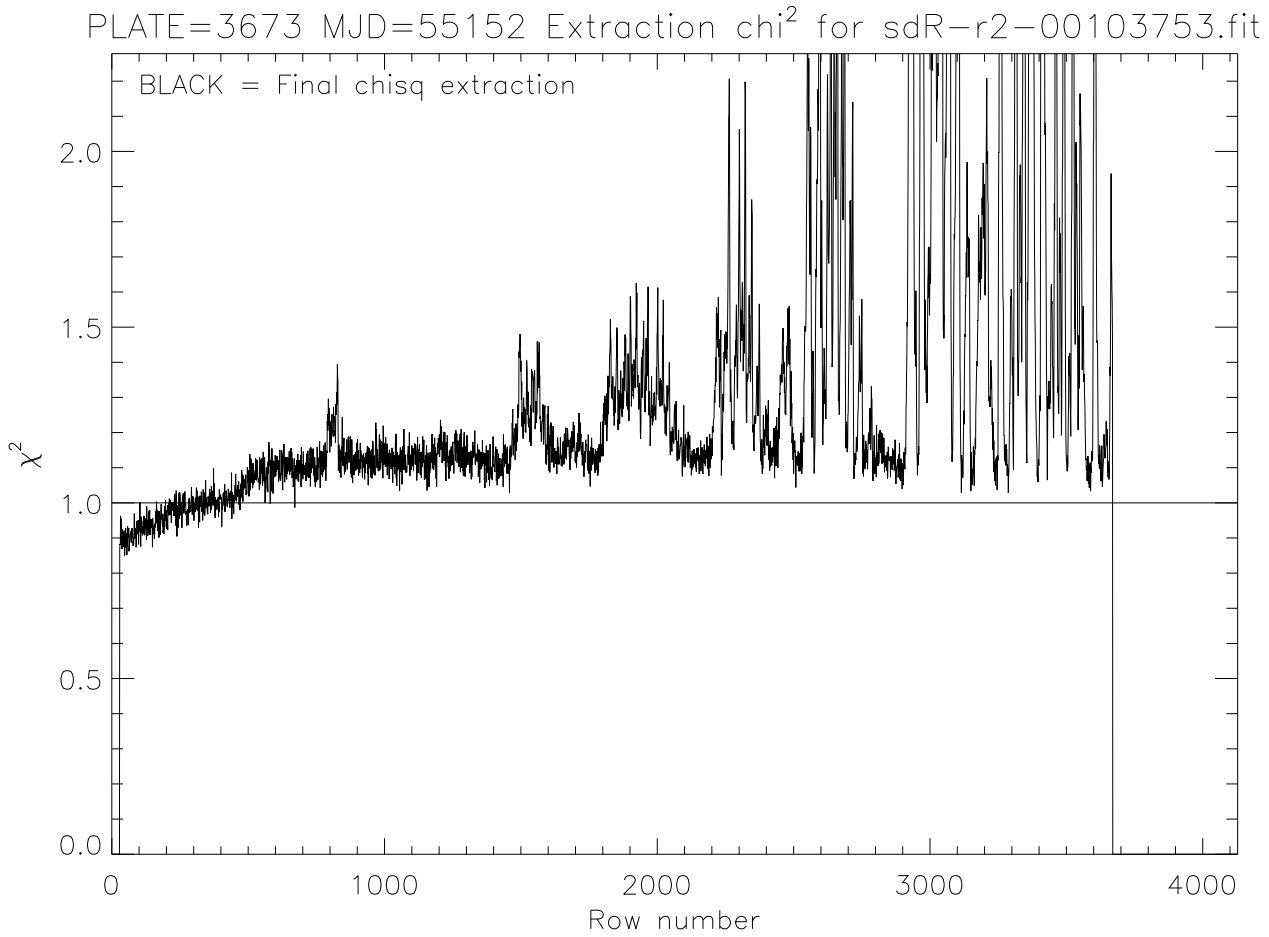

PLATE=3673 MJD=55152 Superflat sdR-r2-00103751.fit
RED = Superflat fit to central fiber
BLACK = 2.3 15.8 50.0 84.2 97.7 percentiles
Normalized flux
0.0
0.5
1.0
1.5
6000
7000
8000
9000
10000
λ [A]

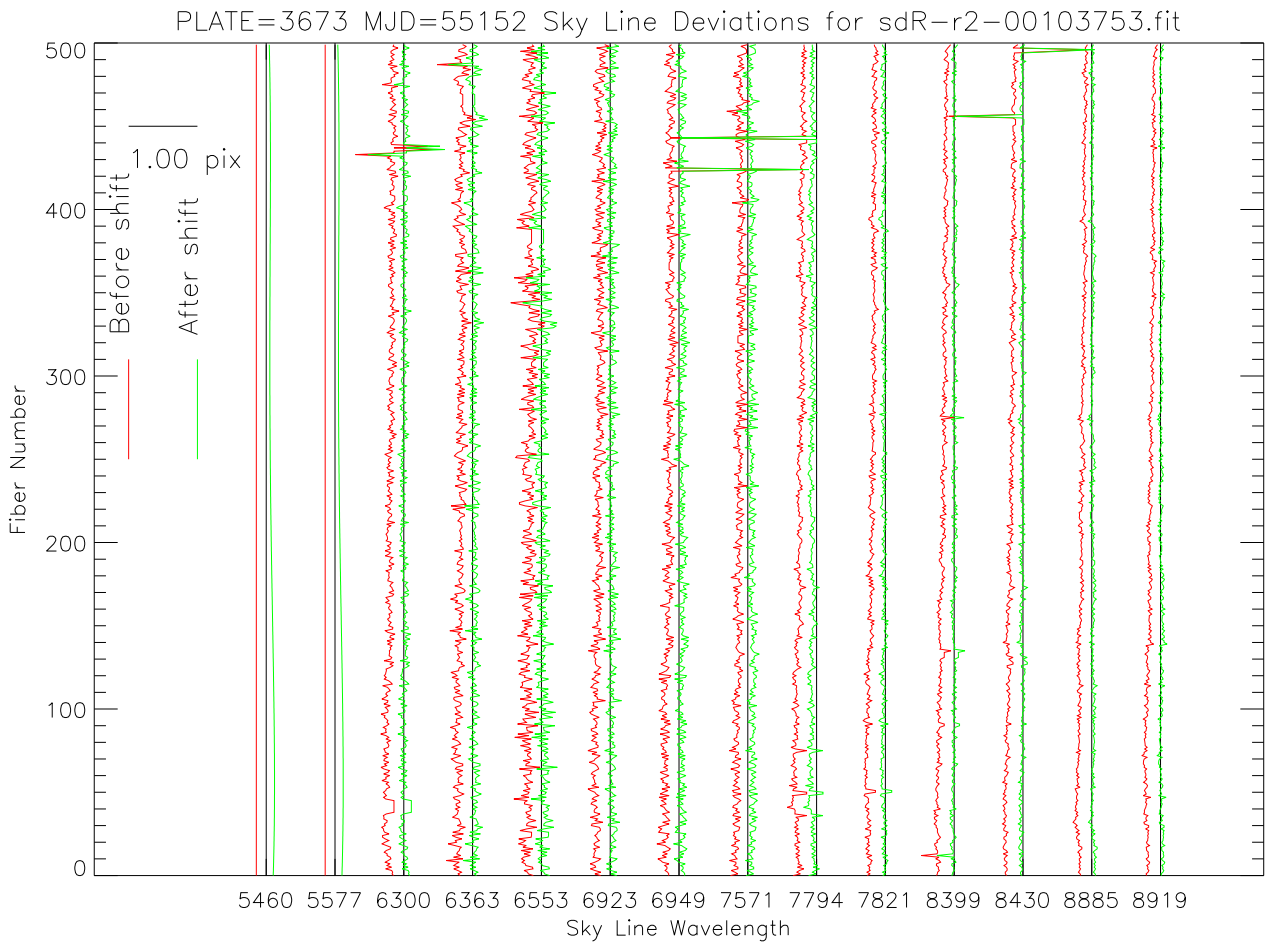

PLATE=3673 MJD=55152 flat extraction chi^2 for sdR−r2−00103756.fit
BLACK = Final chisq extraction
χ^2
0
10
20
30
40
0
1000
2000
3000
4000
Row number

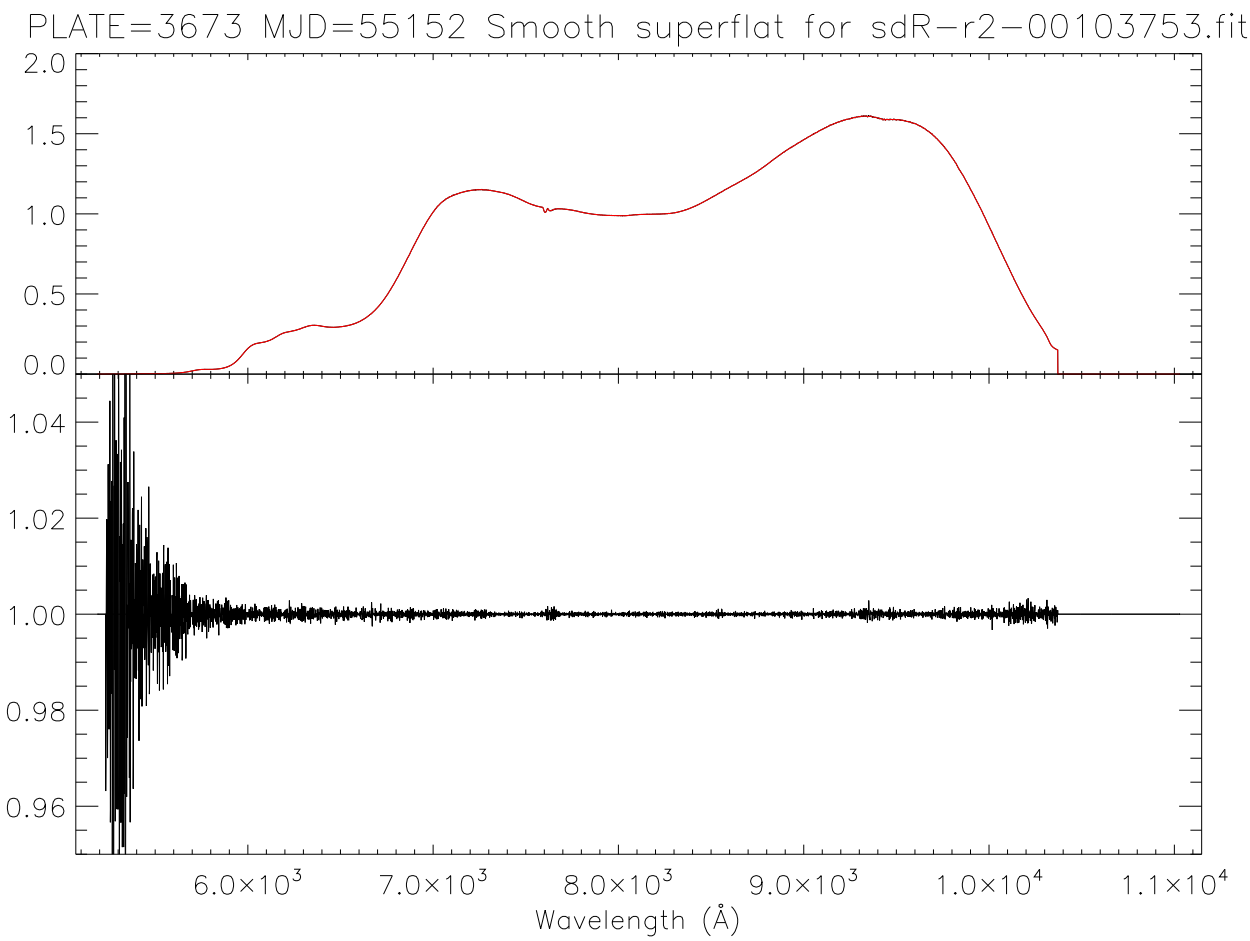

PLATE=3673 MJD=55152 Superflat sdR-r2-00103756.fit
RED = Superflat fit to central fiber
BLACK = 2.3 15.8 50.0 84.2 97.7 percentiles
Normalized flux
0.0
0.5
1.0
1.5
6000
7000
8000
9000
10000
λ [A]

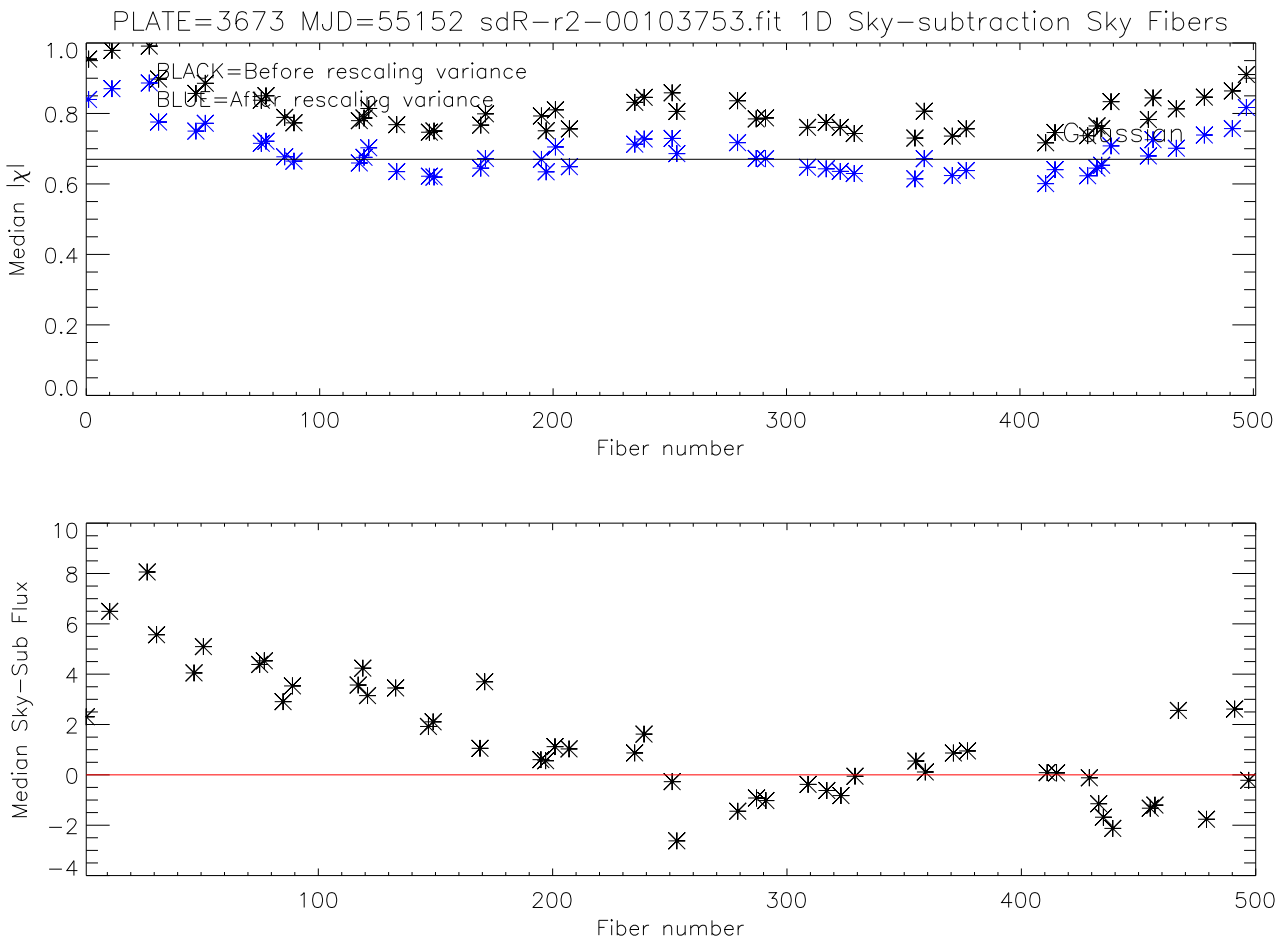

PLATE=3673 MJD=55152 Arcline Fit for sdR-r2-00103757.fit
Fiber Number
500
400
300
200
100
0
5.0×10^3
6.0×10^3
7.0×10^3
8.0×10^3
9.0×10^3
1.0×10^4
1.1×10^4
λ [A] + 300 * Deviation
Deviation [pix]
0.15
0.10
0.05
−0.00
−0.05
−0.10
−0.15
Ncoeff = 6
λ [A]
Fri Aug 26 21:13:45 2011

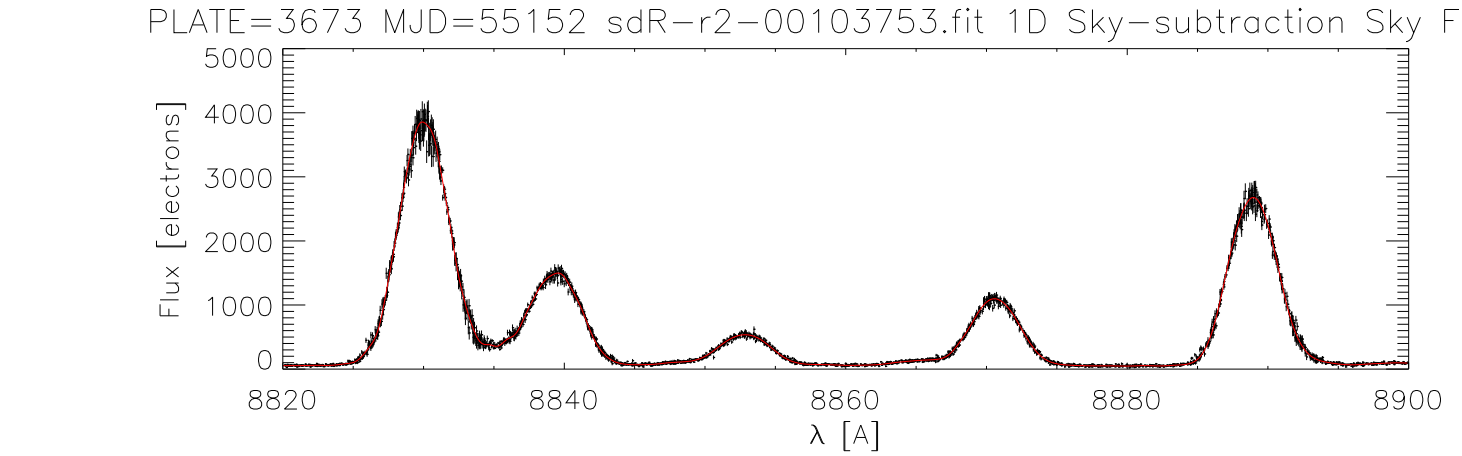

PLATE=3673 MJD=55152 Fiber−Flats for sdR−r2−00103756.fit
BLACK = Median value
ENVELOPE = 95% of points
GREEN = Outlier points
Min value = −0.950
Max value = 3.516
Fiber−Flat
1.5
1.0
0.5
0.0
6.0×10^3
7.0×10^3
8.0×10^3
9.0×10^3
1.0×10^4
1.1×10^4
λ [A]
Fri Aug 26 21:14:06 2011

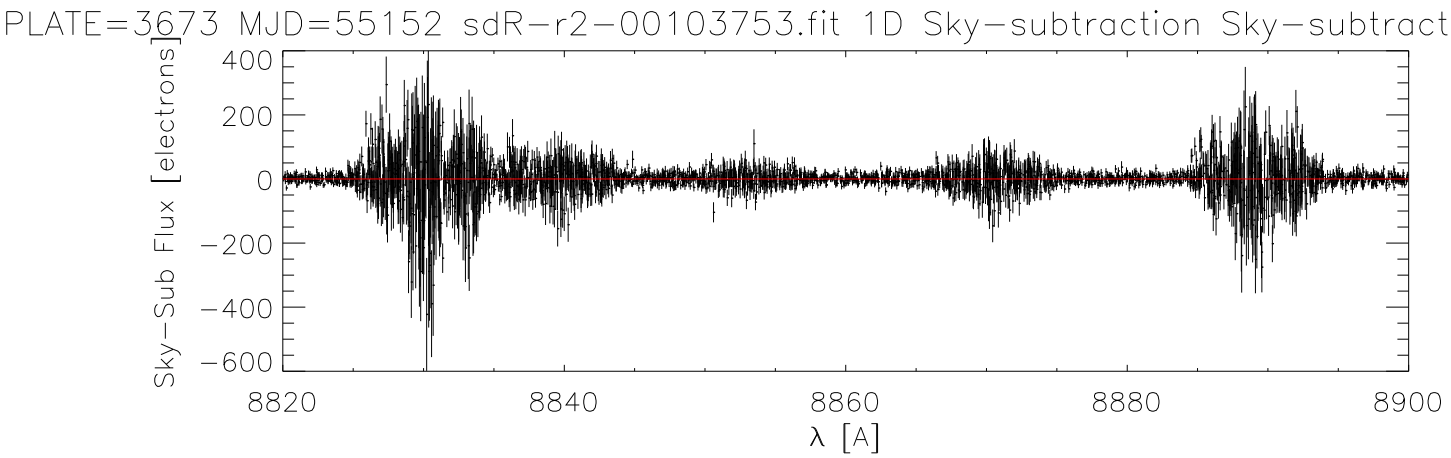

PLATE=3673 MJD=55152 Extraction chi^2 for sdR−r2−00103753.fit
BLACK = Final chisq extraction
χ^2
0.0
0.5
1.0
1.5
2.0
0
1000
2000
3000
4000
Row number


PLATE=3673 MJD=55152 Sky Line Deviations for sdR-r2-00103753.fit
Before shift
After shift
1.00 pix
Fiber Number
0
100
200
300
400
500
5460 5577 6300 6363 6553 6923 6949 7571 7794 7821 8399 8430 8885 8919
Sky Line Wavelength

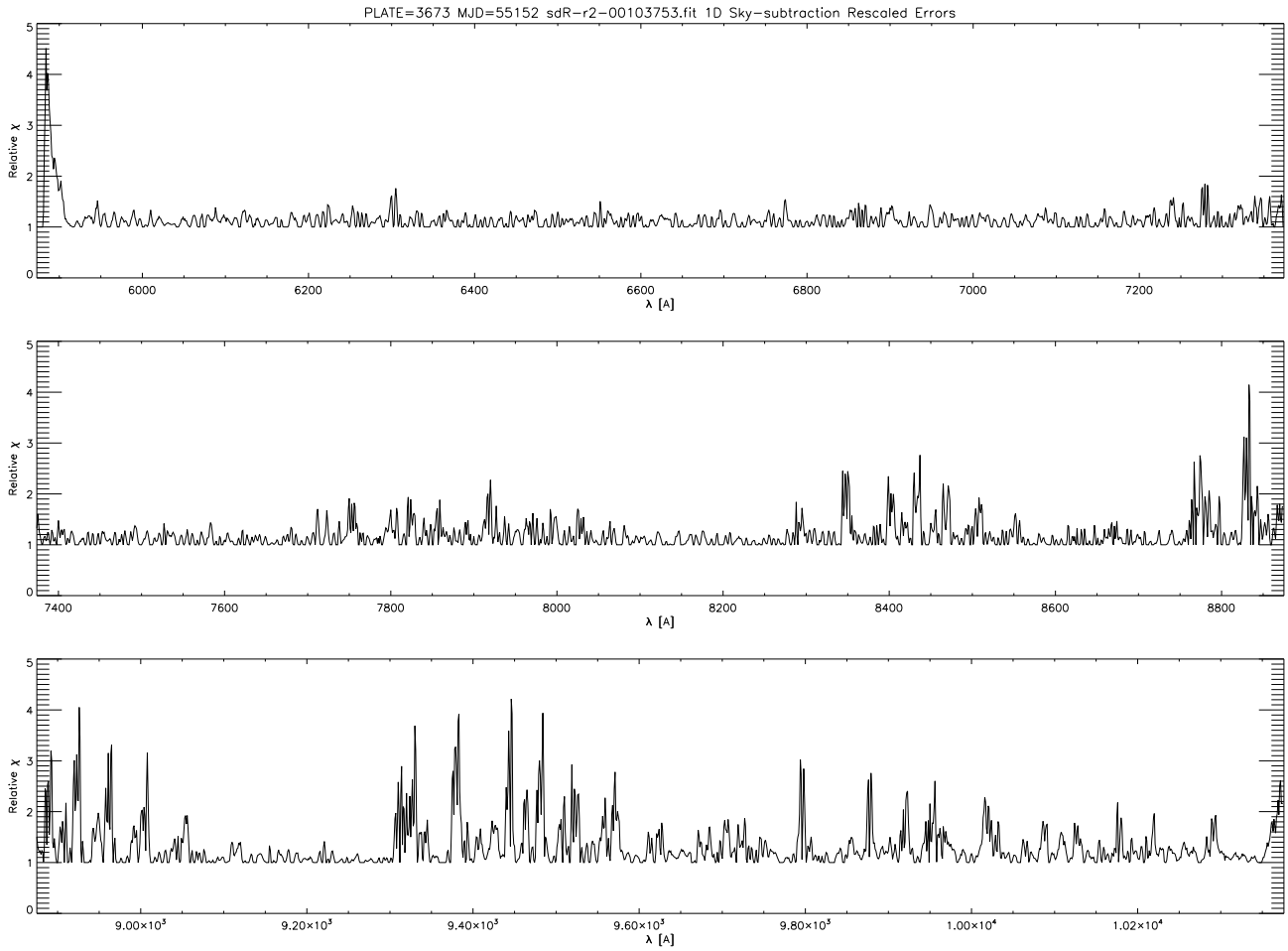

PLATE=3673 MJD=55152 Smooth superflat for sdR-r2-00103753.fit
2.0
1.5
1.0
0.5
0.0
1.04
1.02
1.00
0.98
0.96
6.0×10^3
7.0×10^3
8.0×10^3
9.0×10^3
1.0×10^4
1.1×10^4
Wavelength (Å)

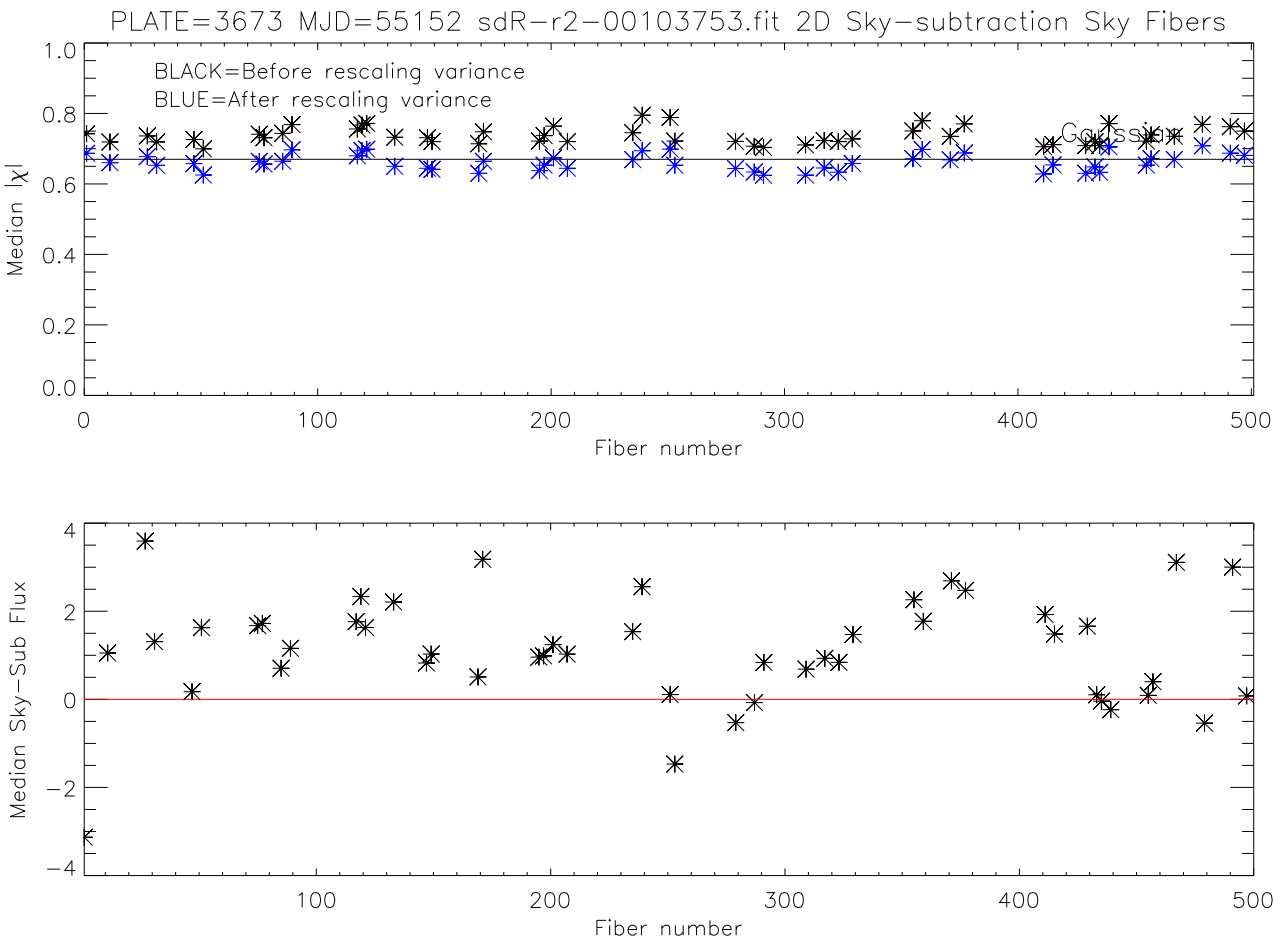

PLATE=3673 MJD=55152 sdR-r2-00103753.fit 1D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

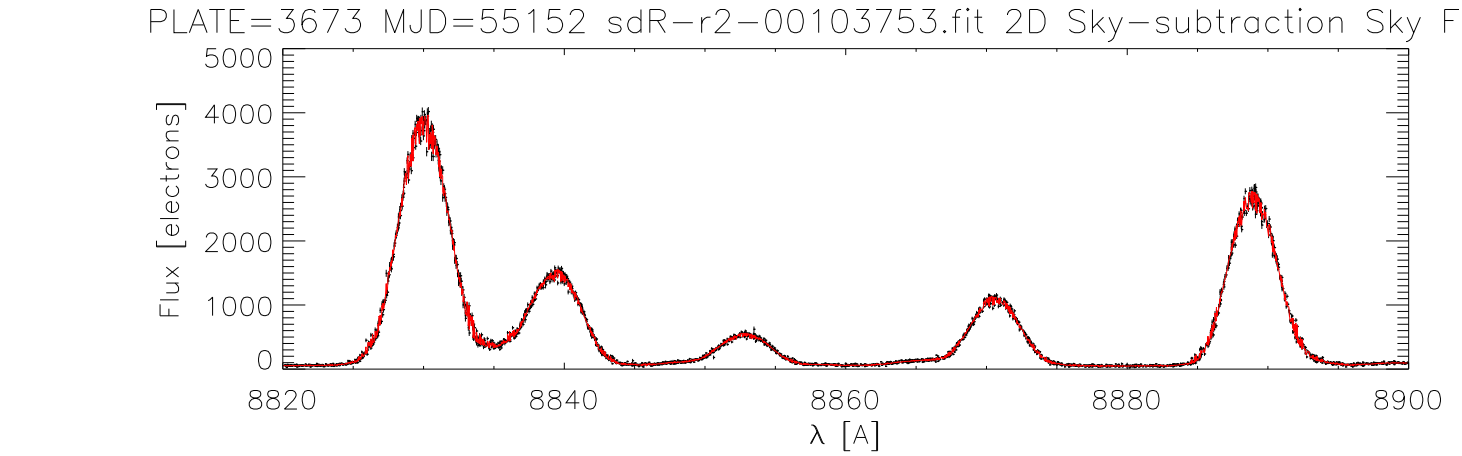

PLATE=3673 MJD=55152 sdR-r2-00103753.fit 1D Sky-subtraction Sky Fibers
Flux [electrons]
5000
4000
3000
2000
1000
0
8820
8840
8860
8880
8900
λ [A]

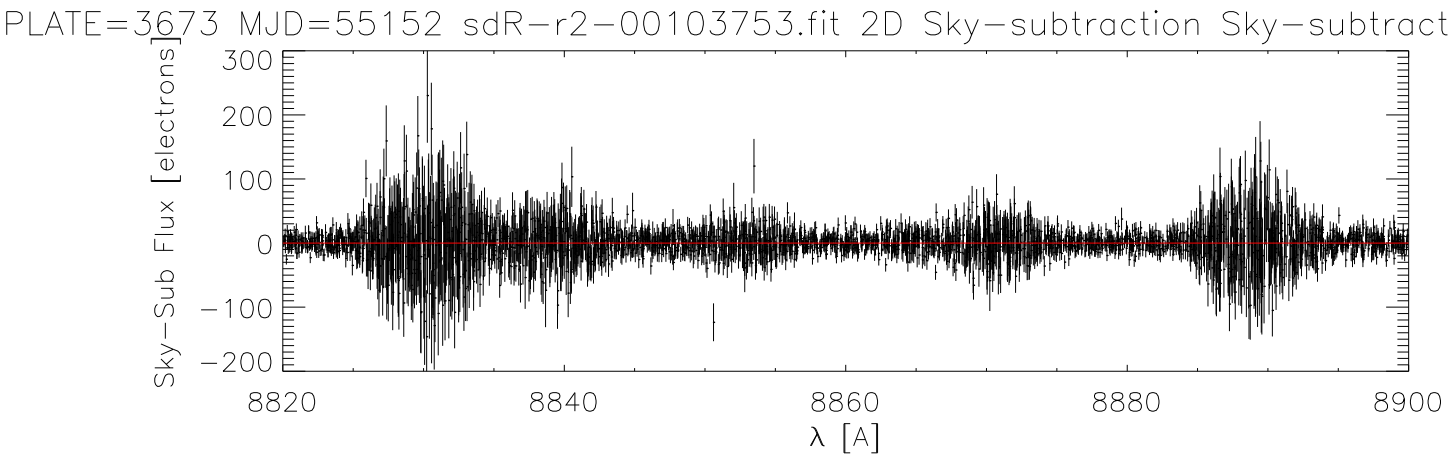

PLATE=3673 MJD=55152 sdR-r2-00103753.fit 1D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
400
200
0
-200
-400
-600
8820
8840
8860
8880
8900
λ [A]

Number of sky fibers = 49

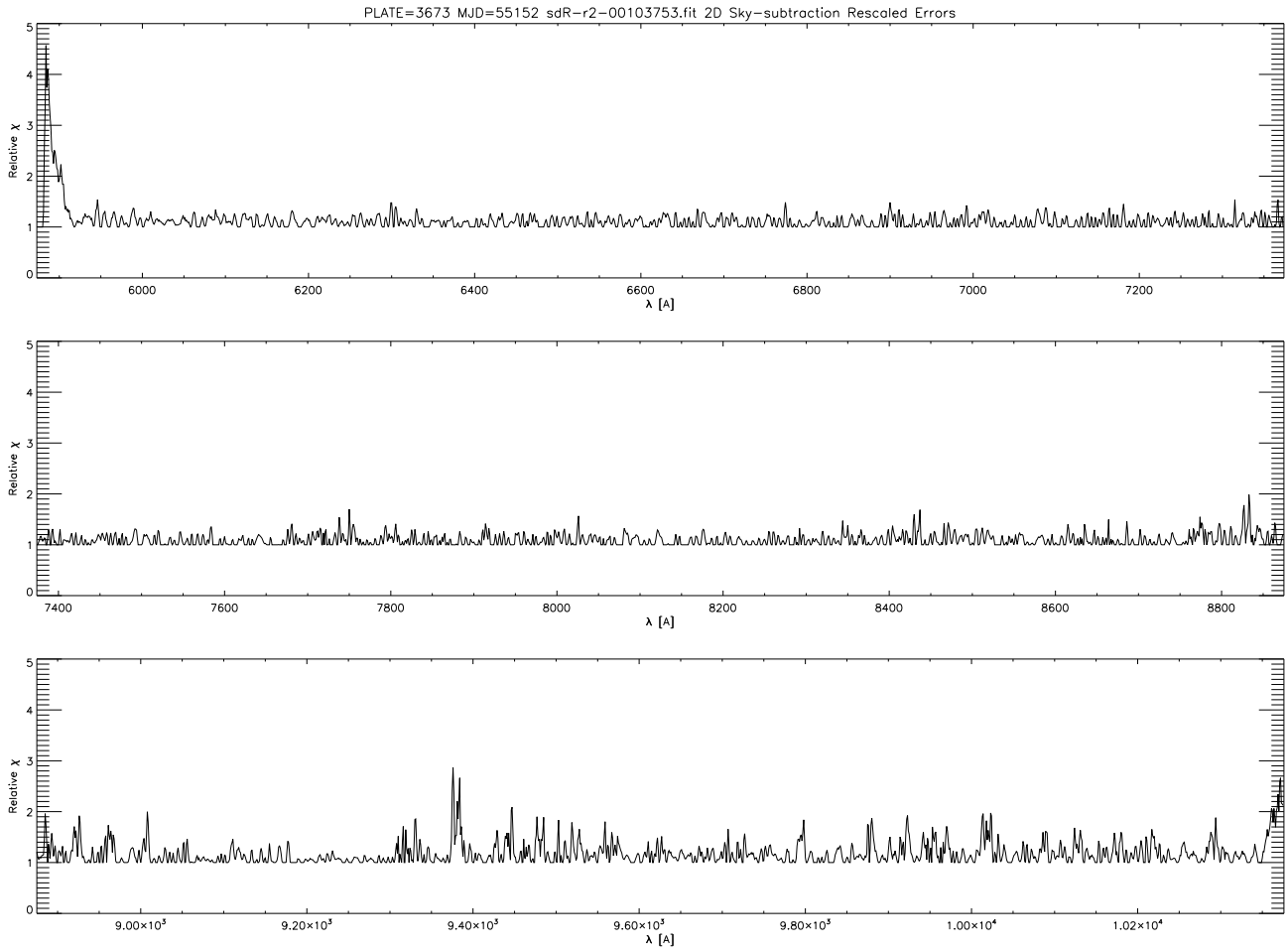


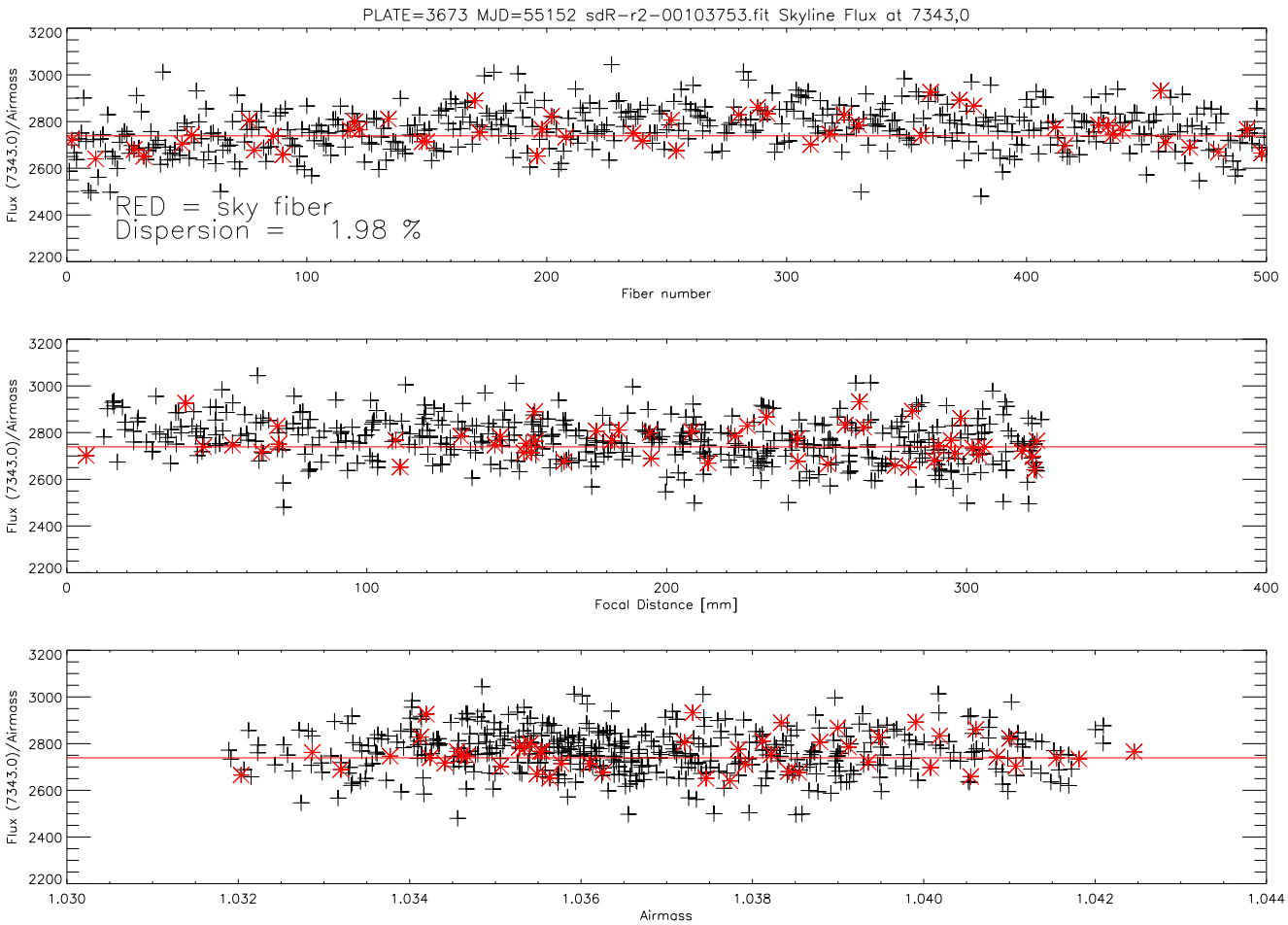

PLATE=3673 MJD=55152 sdR-r2-00103753.fit 2D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussians
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

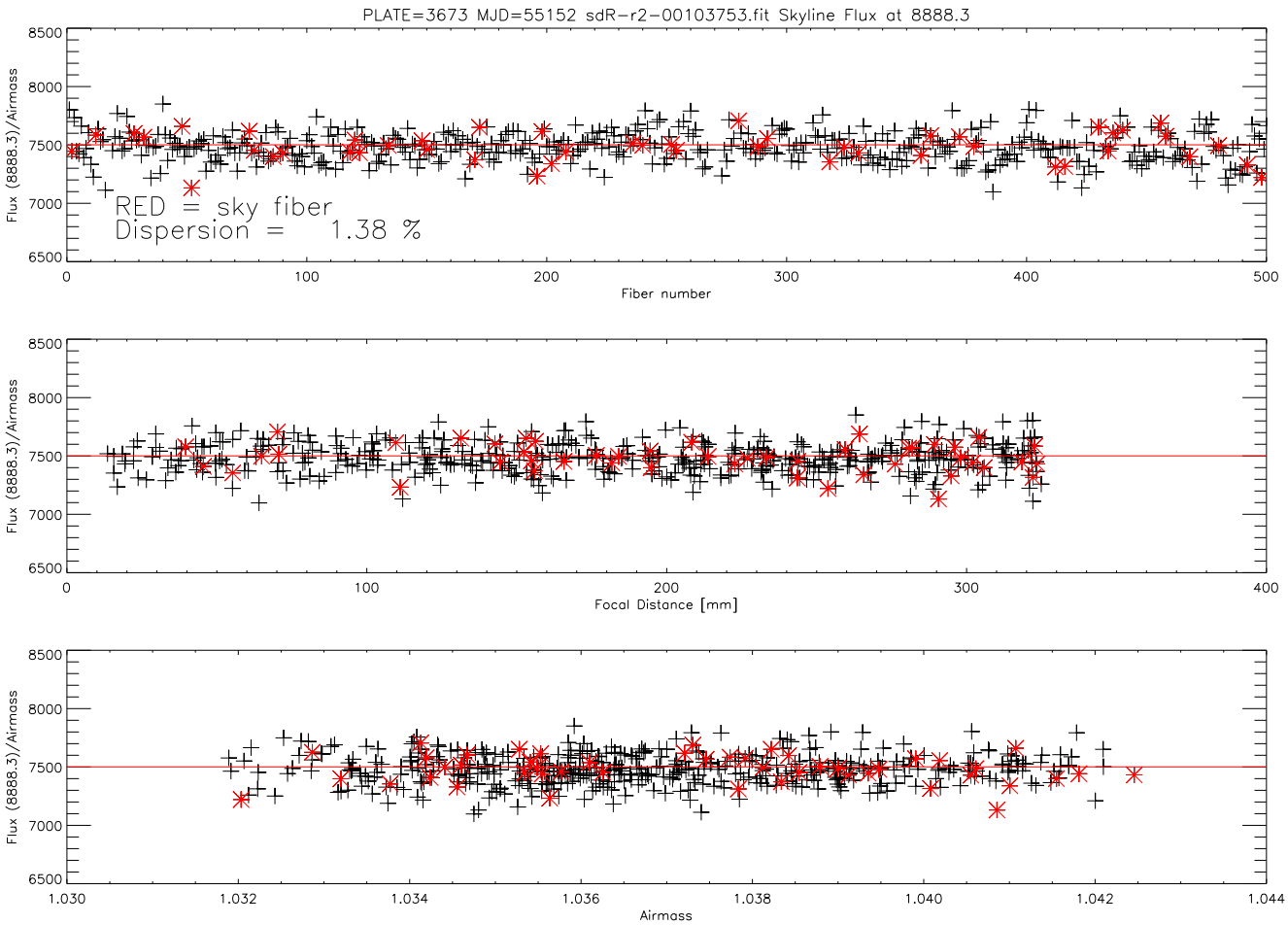

PLATE=3673 MJD=55152 sdR-r2-00103753.fit 2D Sky-subtraction Sky Fibers
Flux [electrons]
5000
4000
3000
2000
1000
0
8820
8840
8860
8880
8900
λ [A]

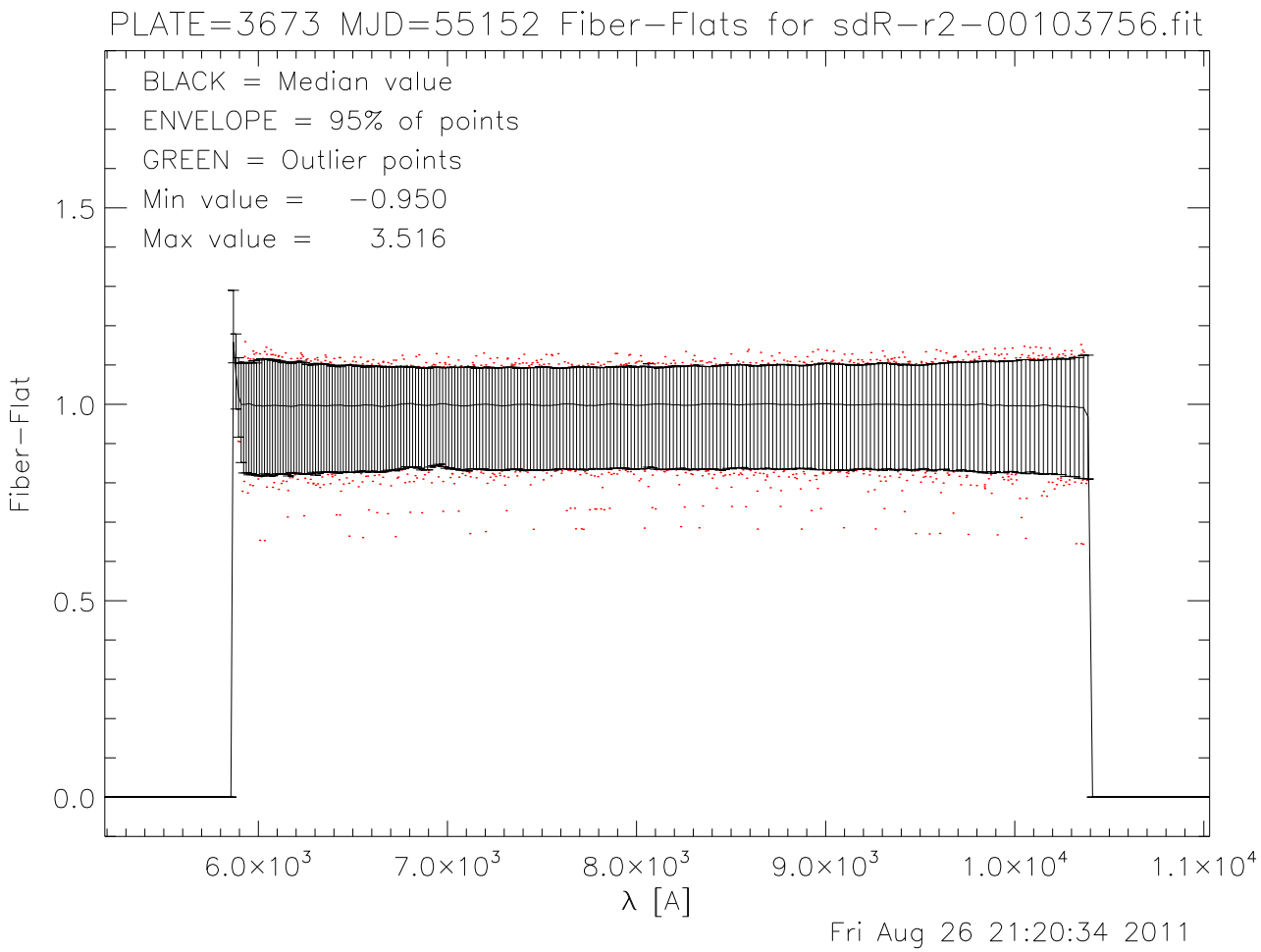

PLATE=3673 MJD=55152 sdR-r2-00103753.fit 2D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
300
200
100
0
-100
-200
8820
8840
8860
8880
8900
λ [A]

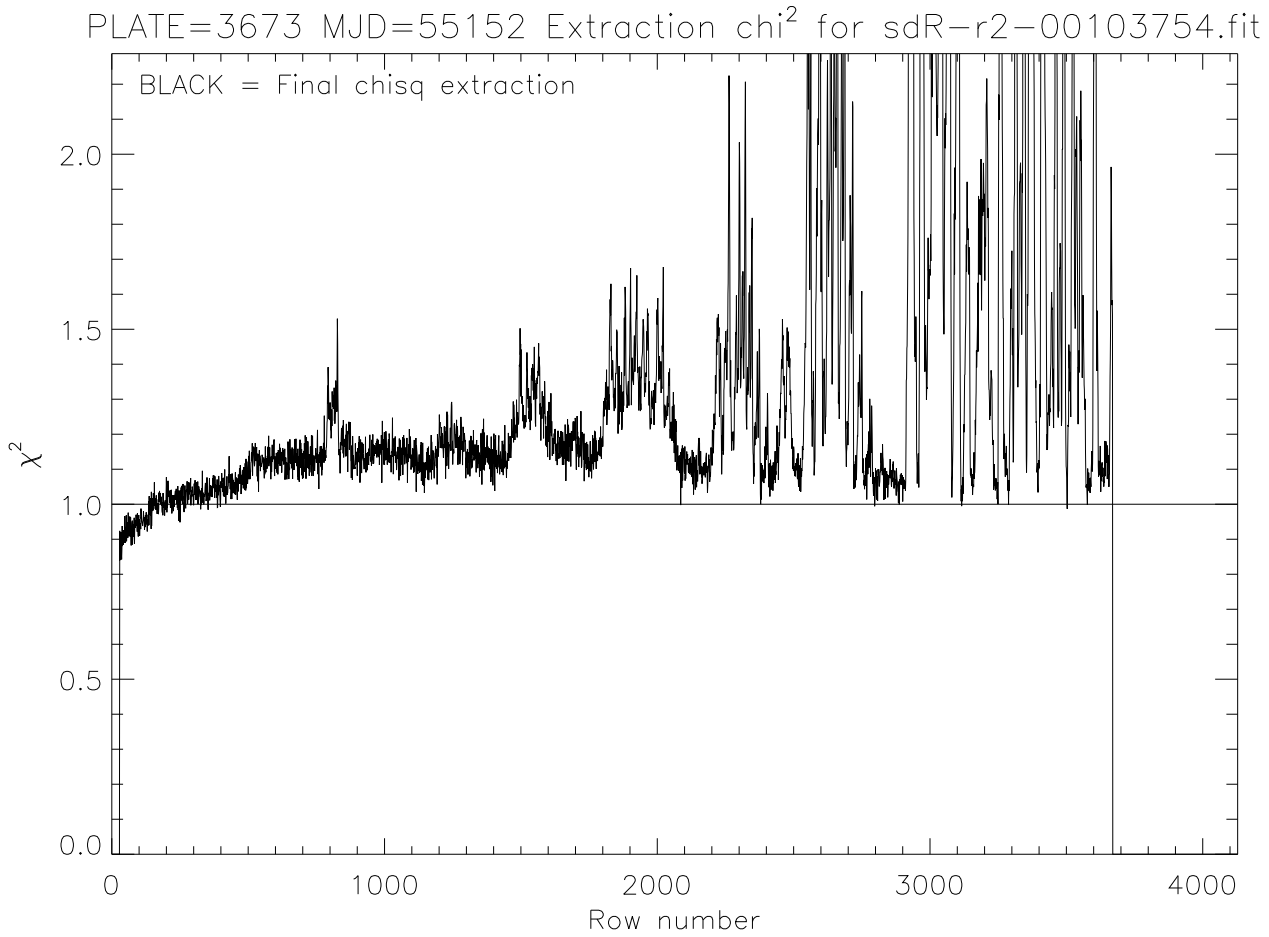
Number of sky fibers = 49

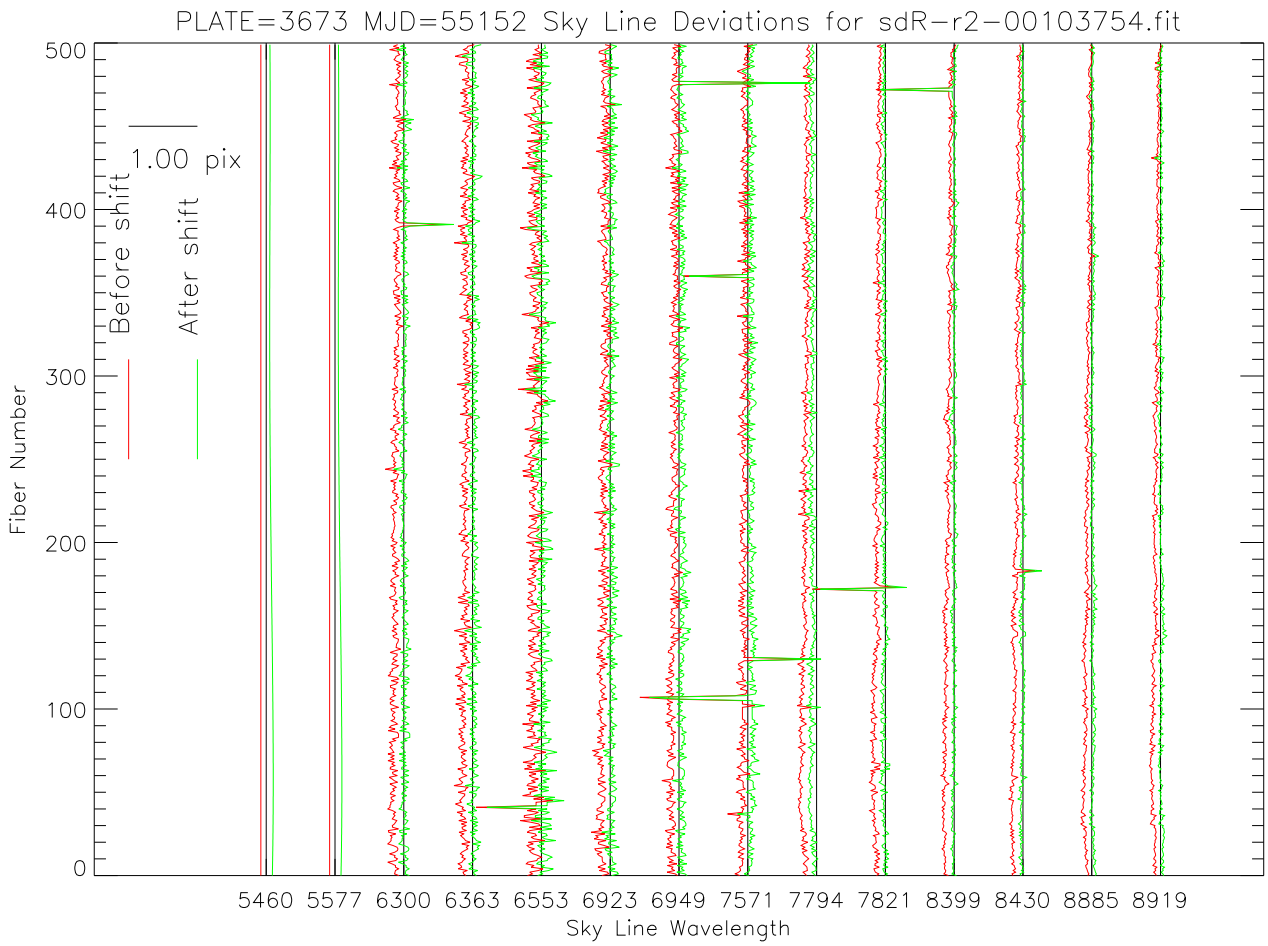


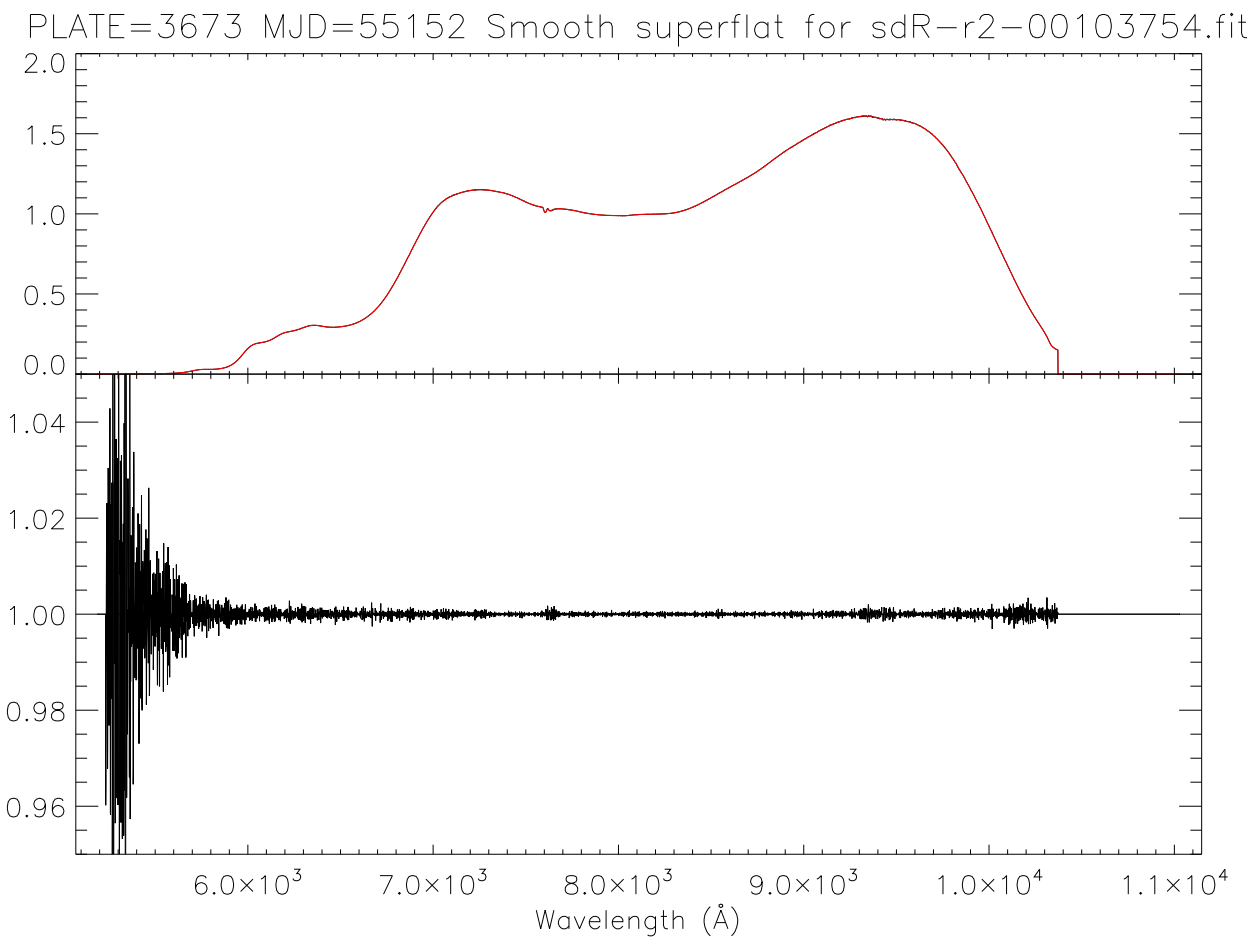

PLATE=3673 MJD=55152 sdR-r2-00103753.fit Skyline Flux at 7343,0
Flux (7343.0)/Airmass
RED = sky fiber
Dispersion = 1.98 %
Fiber number
Flux (7343.0)/Airmass
Focal Distance [mm]
Flux (7343.0)/Airmass
Airmass

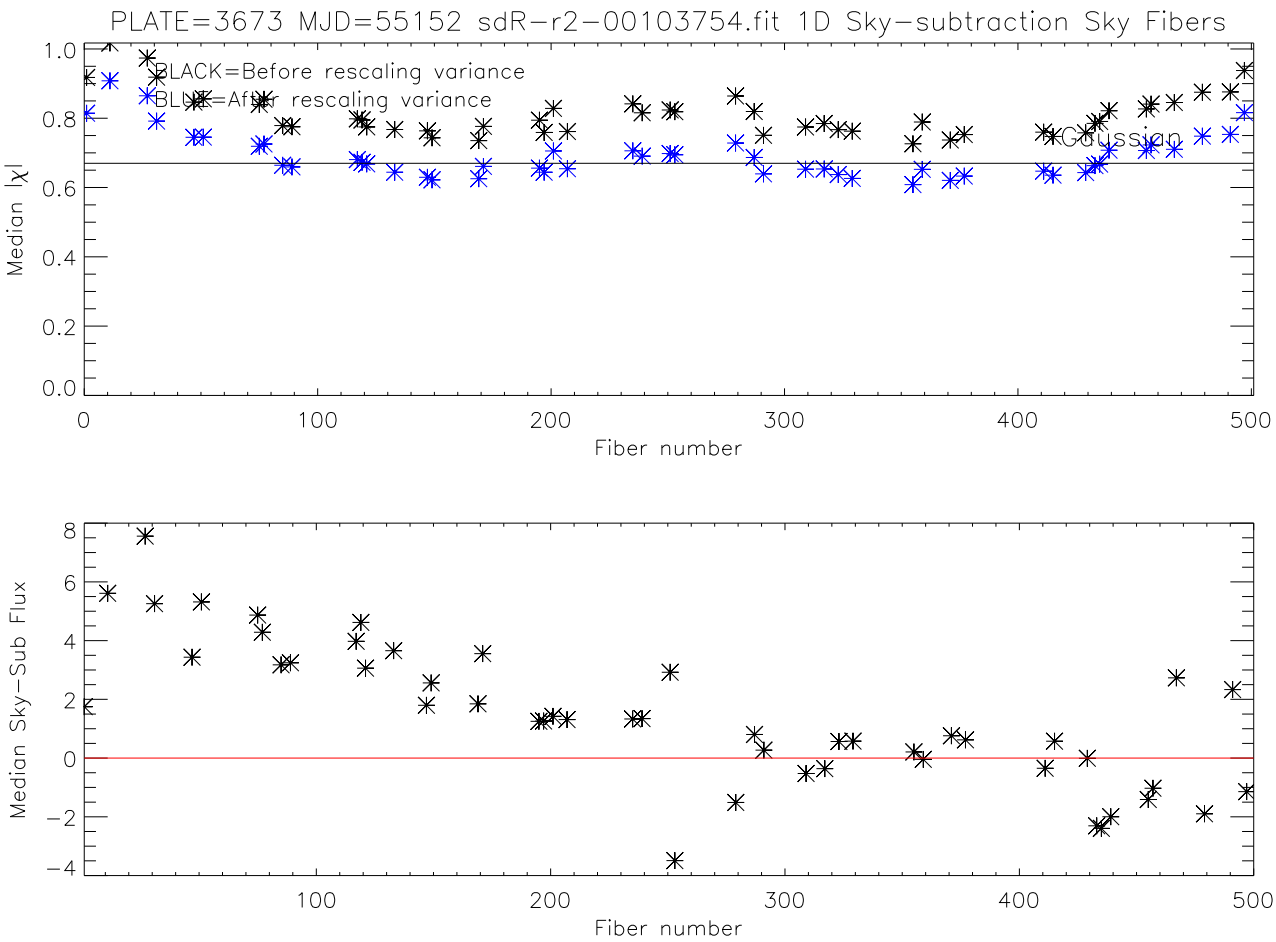

PLATE=3673 MJD=55152 sdR-r2-00103753.fit Skyline Flux at 8888.3
Flux (8888.3)/Airmass
RED = sky fiber
Dispersion = 1.38 %
Fiber number
Flux (8888.3)/Airmass
Focal Distance [mm]
Flux (8888.3)/Airmass
Airmass

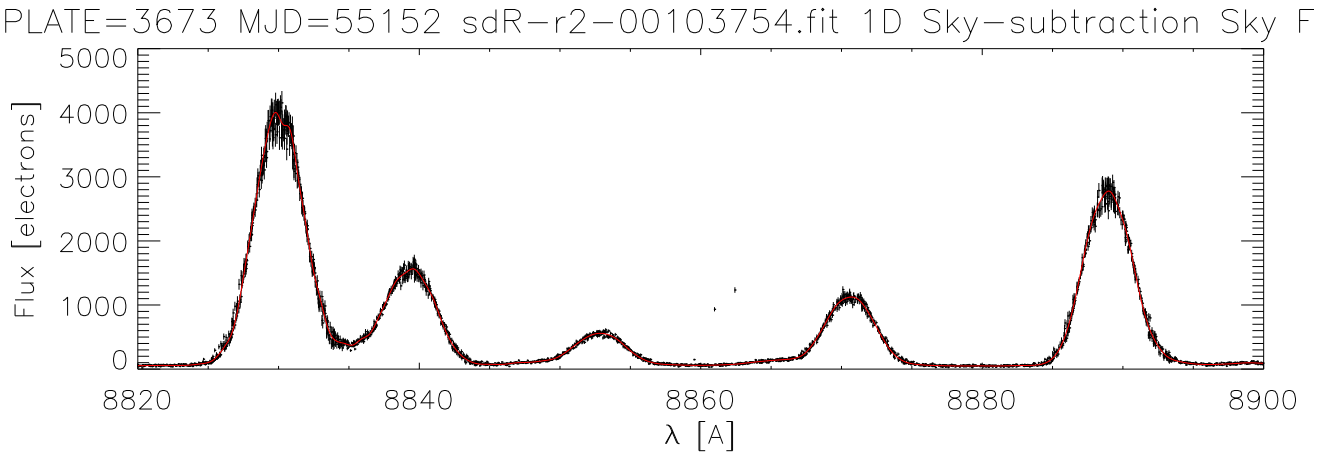

PLATE=3673 MJD=55152 Fiber−Flats for sdR−r2−00103756.fit
BLACK = Median value
ENVELOPE = 95% of points
GREEN = Outlier points
Min value = −0.950
Max value = 3.516
Fiber−Flat
1.5
1.0
0.5
0.0
6.0×10^3
7.0×10^3
8.0×10^3
9.0×10^3
1.0×10^4
1.1×10^4
λ [A]
Fri Aug 26 21:20:34 2011

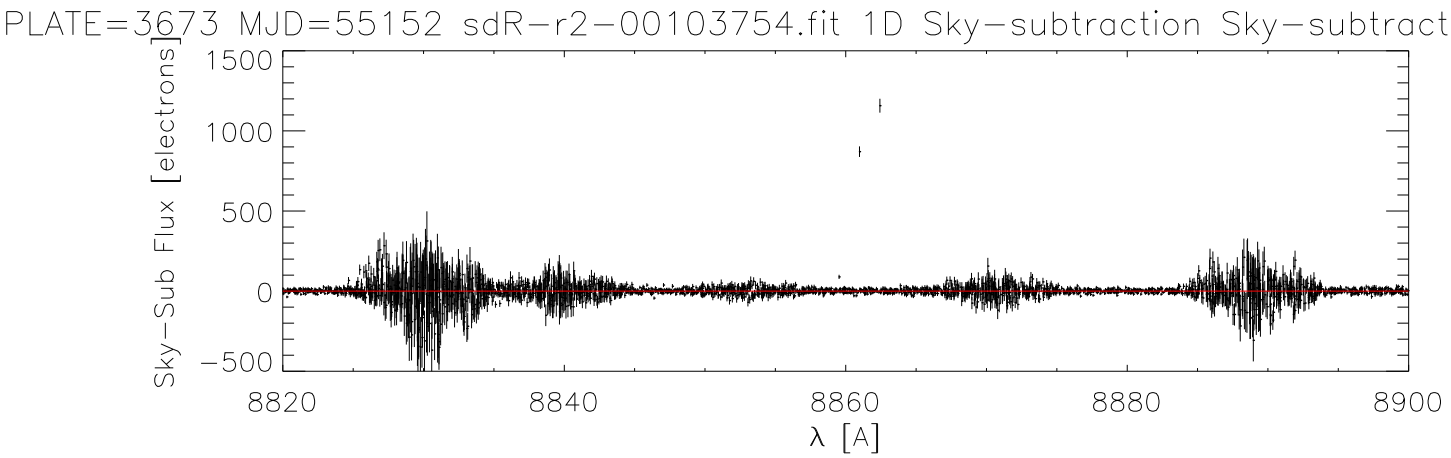

PLATE=3673 MJD=55152 Extraction chi^2 for sdR−r2−00103754.fit
BLACK = Final chisq extraction
χ^2
2.0
1.5
1.0
0.5
0.0
0
1000
2000
3000
4000
Row number


PLATE=3673 MJD=55152 Sky Line Deviations for sdR-r2-00103754.fit
Before shift
After shift
1.00 pix
Fiber Number
0
100
200
300
400
500
5460 5577 6300 6363 6553 6923 6949 7571 7794 7821 8399 8430 8885 8919
Sky Line Wavelength

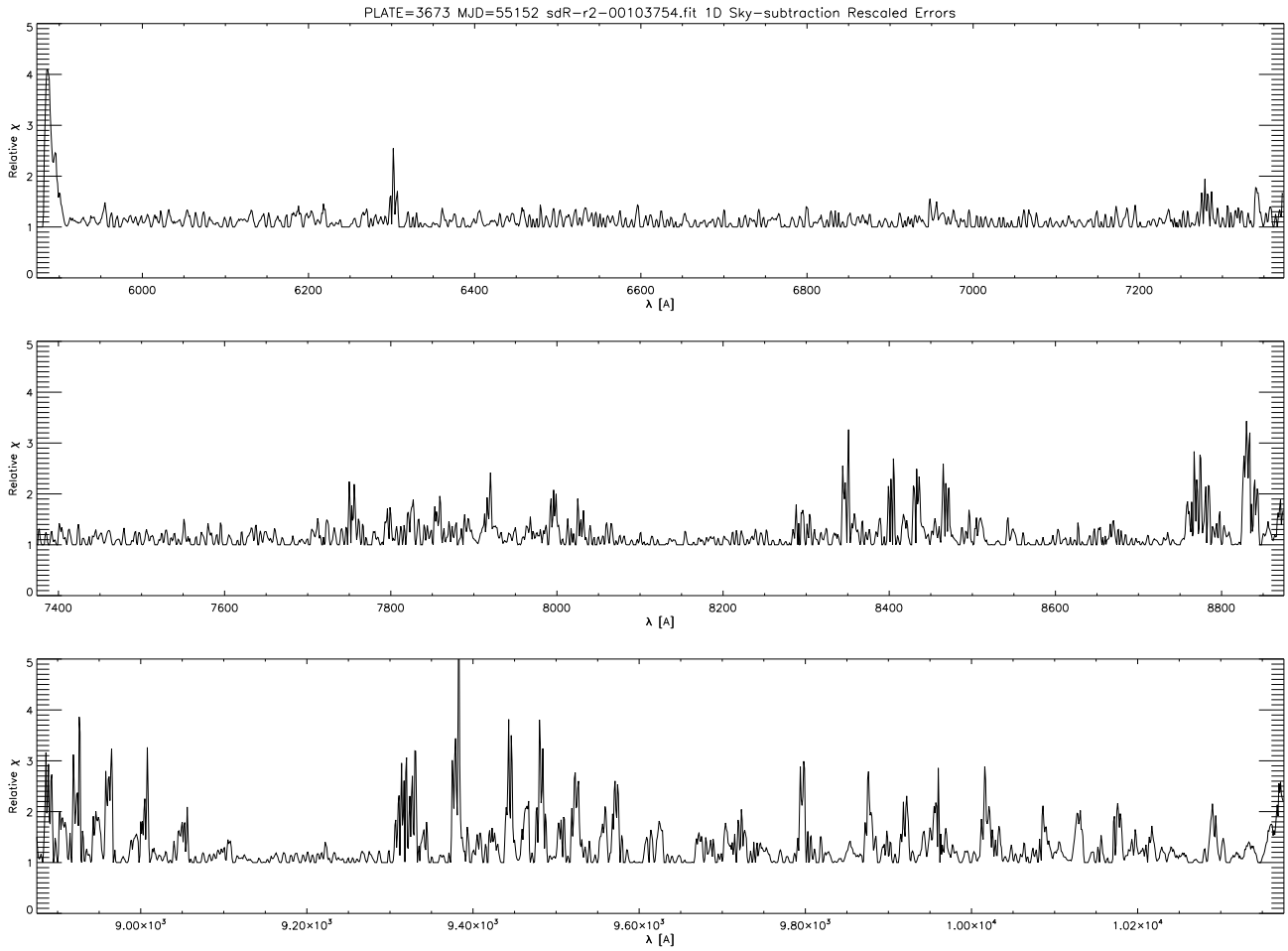

PLATE=3673 MJD=55152 Smooth superflat for sdR-r2-00103754.fit
2.0
1.5
1.0
0.5
0.0
1.04
1.02
1.00
0.98
0.96
6.0×10^3
7.0×10^3
8.0×10^3
9.0×10^3
1.0×10^4
1.1×10^4
Wavelength (Å)

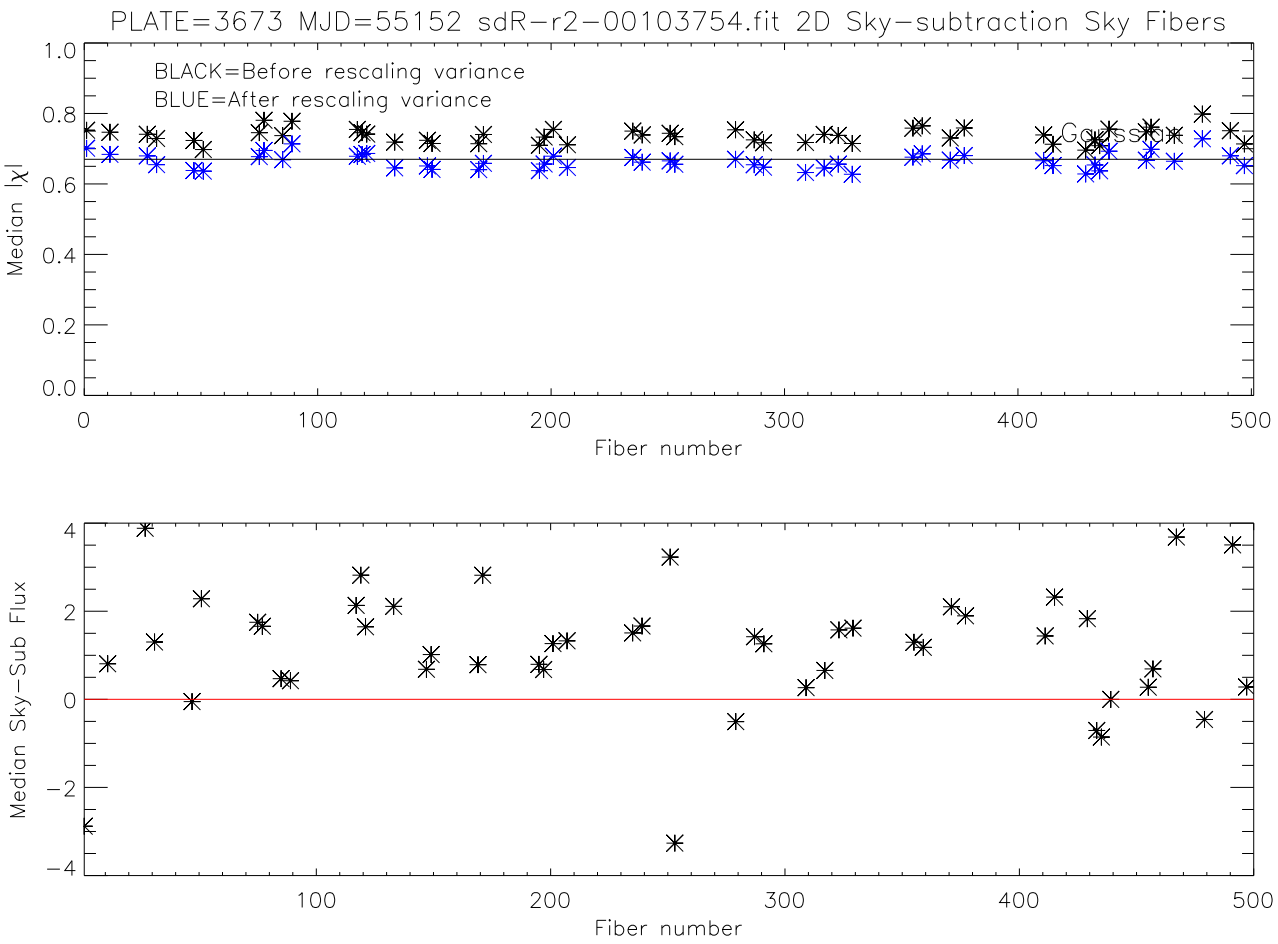

PLATE=3673 MJD=55152 sdR-r2-00103754.fit 1D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

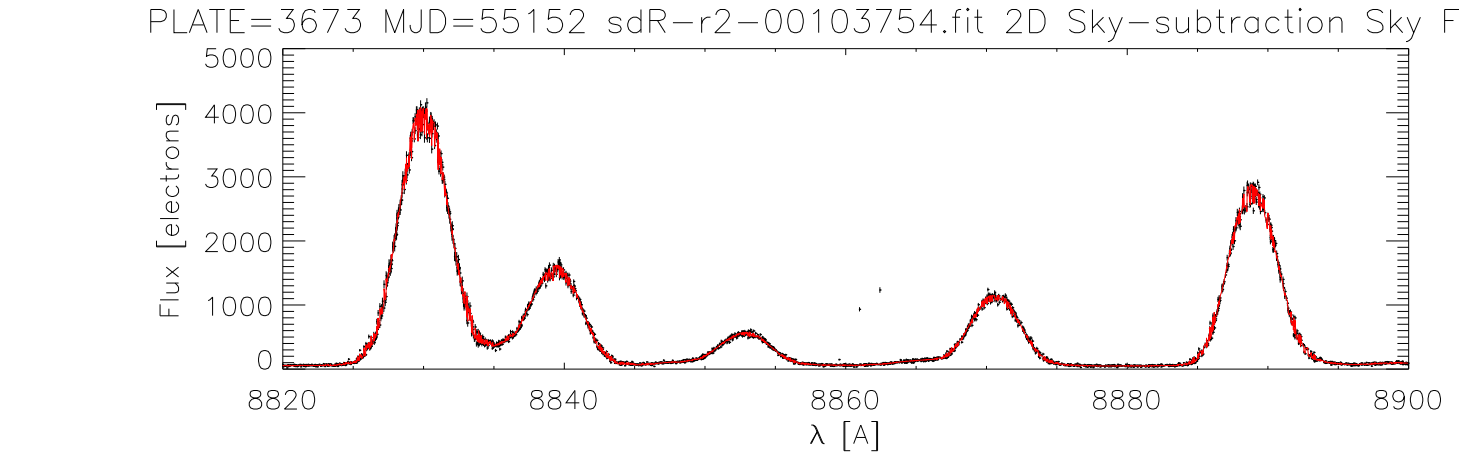

PLATE=3673 MJD=55152 sdR-r2-00103754.fit 1D Sky-subtraction Sky Fibers
Flux [electrons]
5000
4000
3000
2000
1000
0
8820
8840
8860
8880
8900
λ [A]

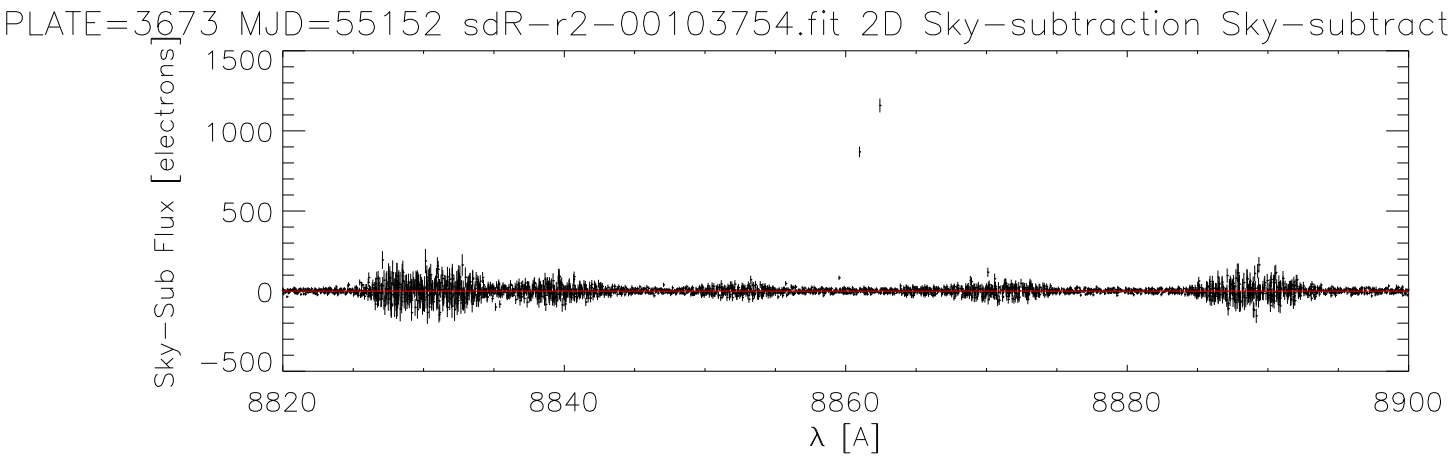

PLATE=3673 MJD=55152 sdR-r2-00103754.fit 1D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
1500
1000
500
0
-500
8820
8840
8860
8880
8900
λ [A]

Number of sky fibers = 49

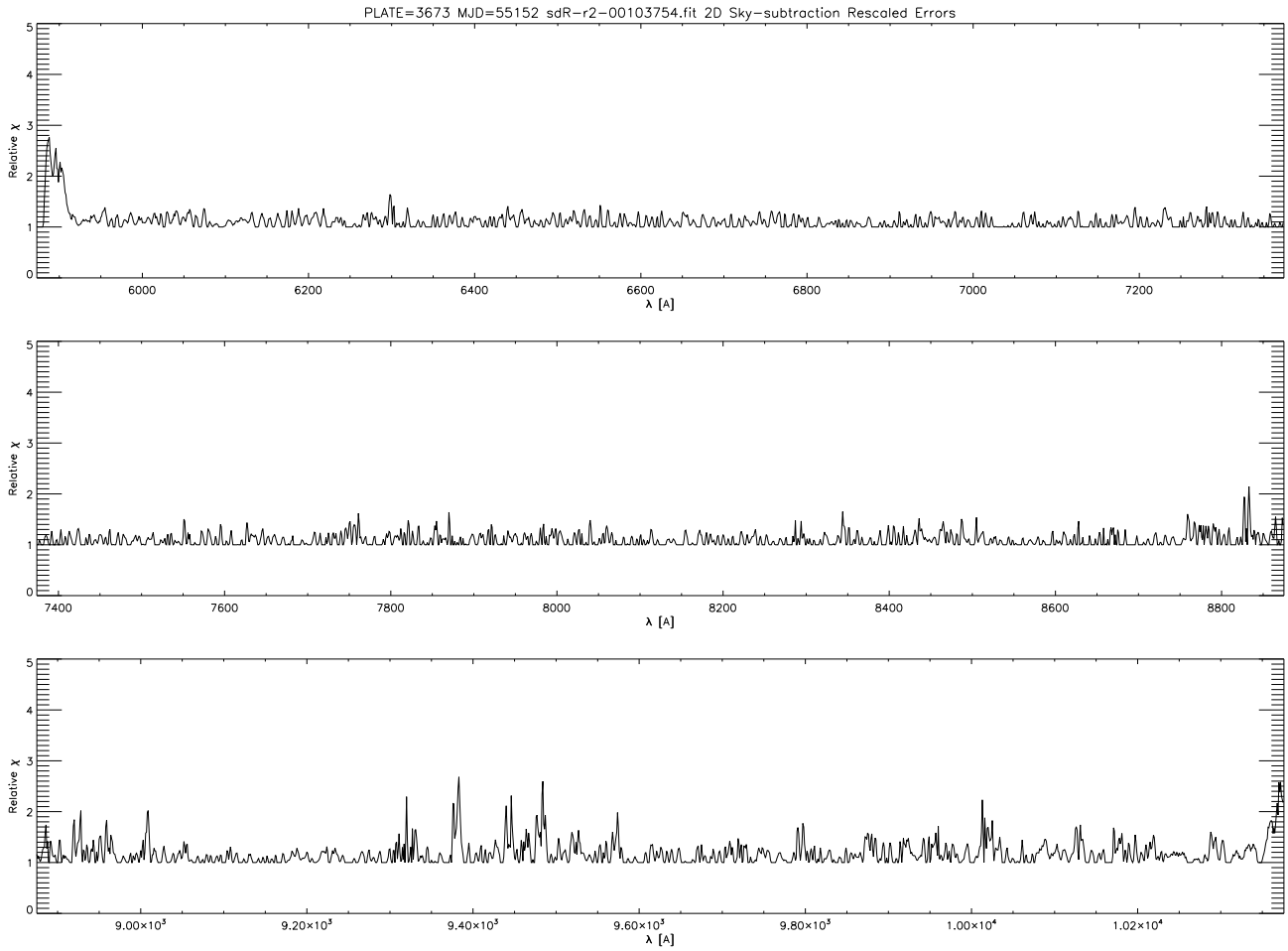


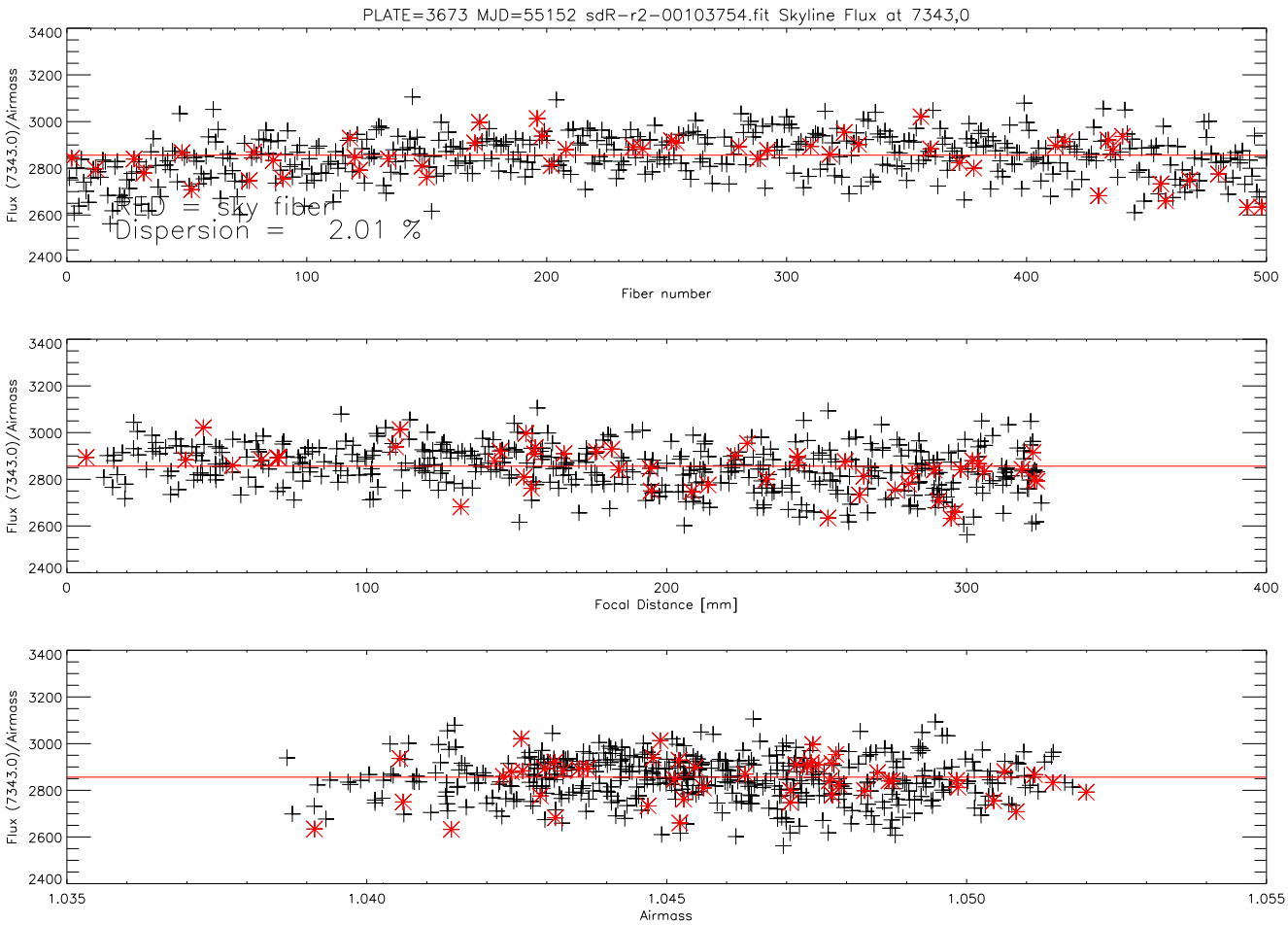

PLATE=3673 MJD=55152 sdR-r2-00103754.fit 2D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

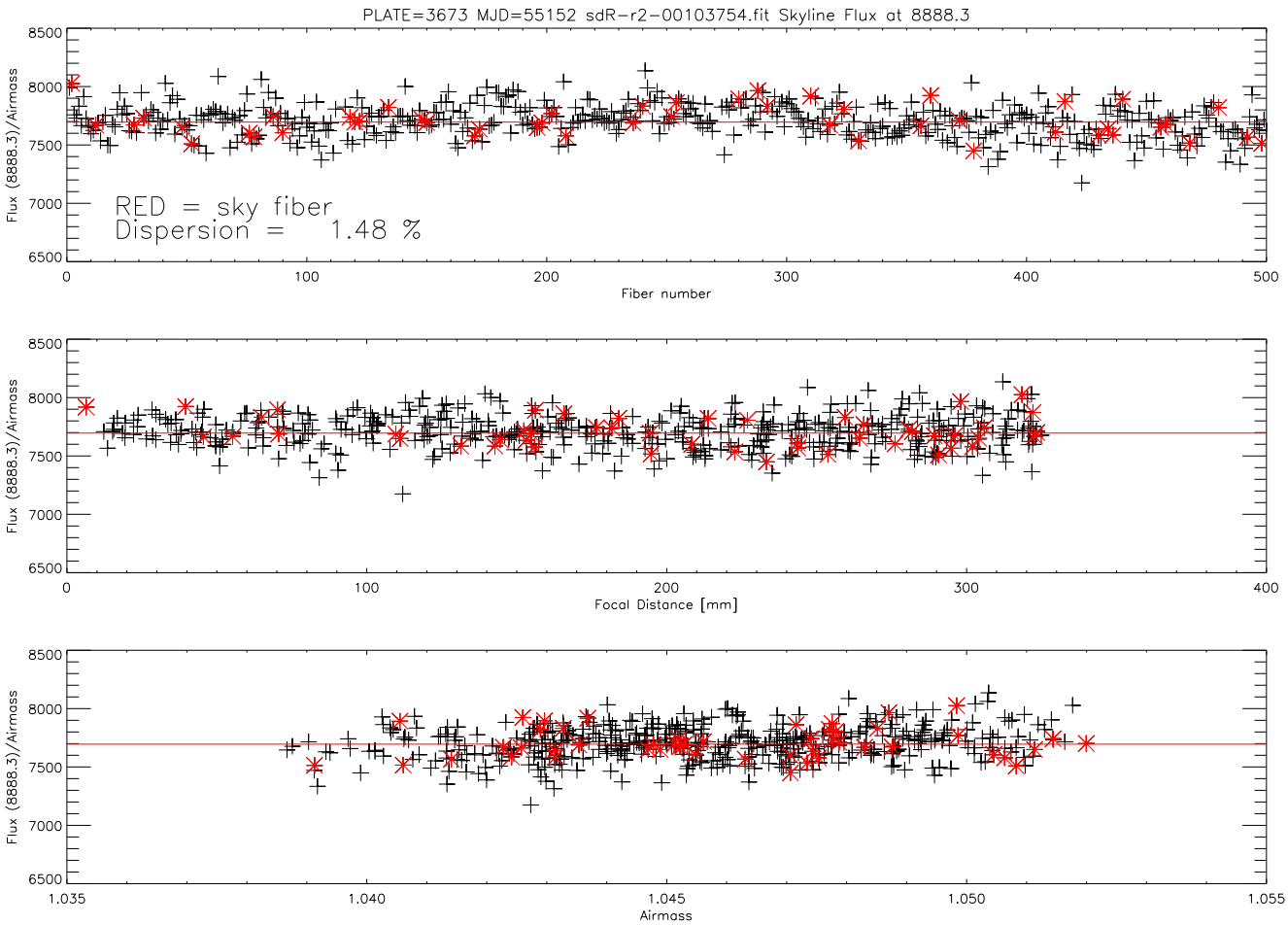

PLATE=3673 MJD=55152 sdR-r2-00103754.fit 2D Sky-subtraction Sky Fibers
Flux [electrons]
5000
4000
3000
2000
1000
0
8820
8840
8860
8880
8900
λ [A]

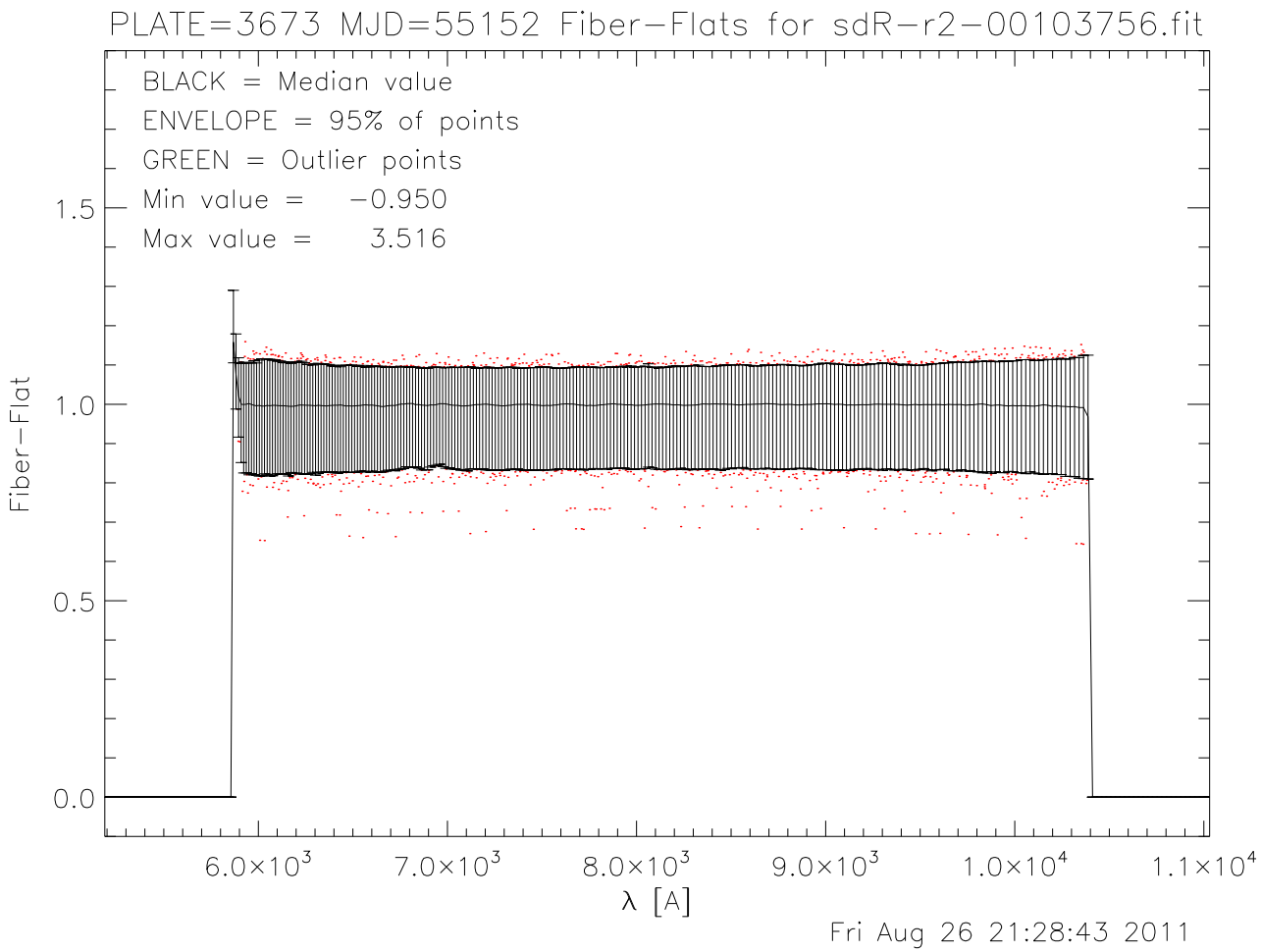

PLATE=3673 MJD=55152 sdR-r2-00103754.fit 2D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
1500
1000
500
0
-500
8820
8840
8860
8880
8900
λ [A]

Number of sky fibers = 49




PLATE=3673 MJD=55152 sdR-r2-00103754.fit Skyline Flux at 7343,0
Flux (7343.0)/Airmass
Fiber number
Focal Distance [mm]
Airmass
RED = sky fiber
Dispersion = 2.01 %


PLATE=3673 MJD=55152 sdR-r2-00103754.fit Skyline Flux at 8888.3
Flux (8888.3)/Airmass
RED = sky fiber
Dispersion = 1.48 %
Fiber number
Focal Distance [mm]
Airmass


PLATE=3673 MJD=55152 Fiber−Flats for sdR−r2−00103756.fit
BLACK = Median value
ENVELOPE = 95% of points
GREEN = Outlier points
Min value = −0.950
Max value = 3.516
Fiber−Flat
1.5
1.0
0.5
0.0
6.0×10^3
7.0×10^3
8.0×10^3
9.0×10^3
1.0×10^4
1.1×10^4
λ [A]
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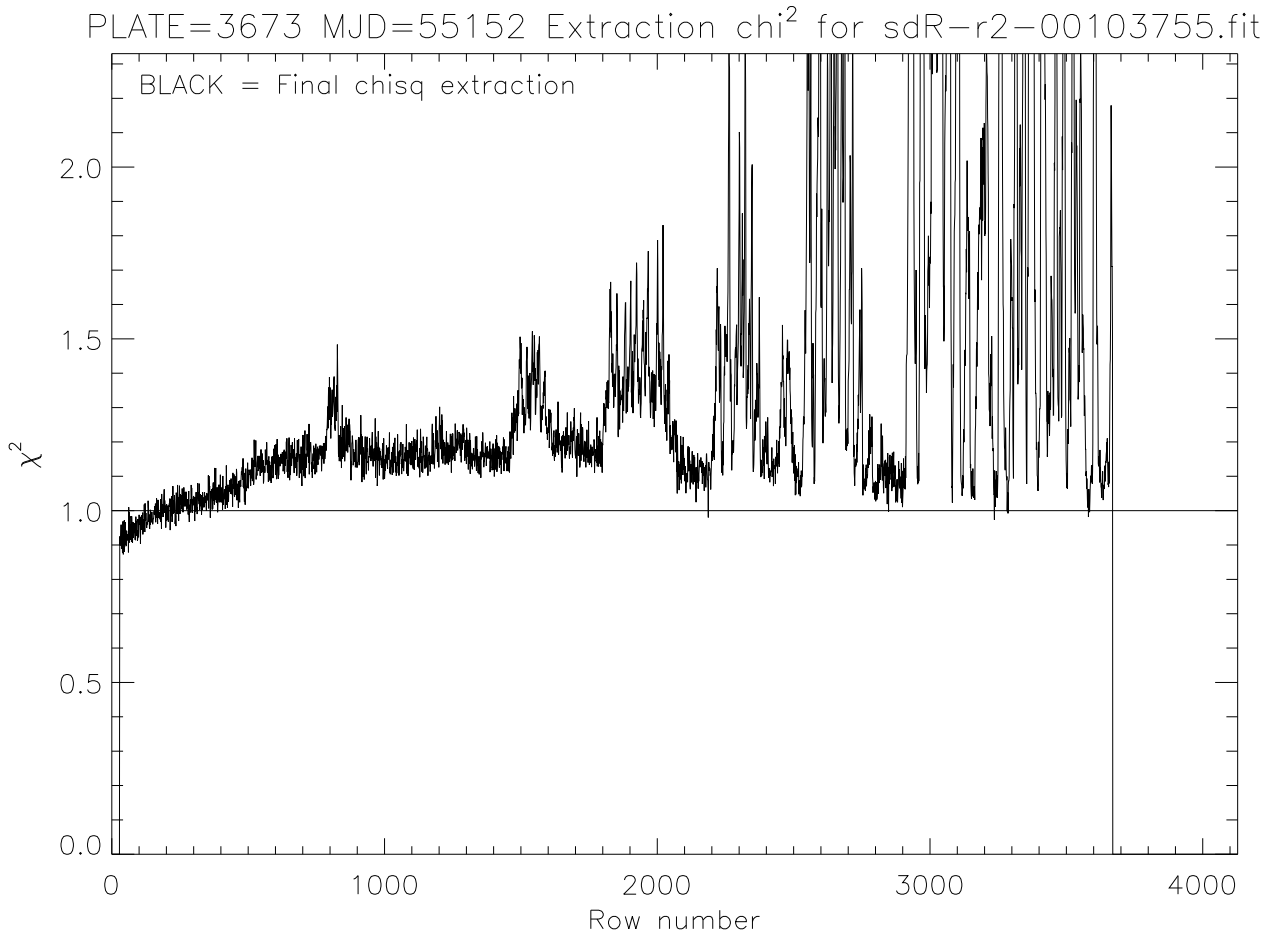
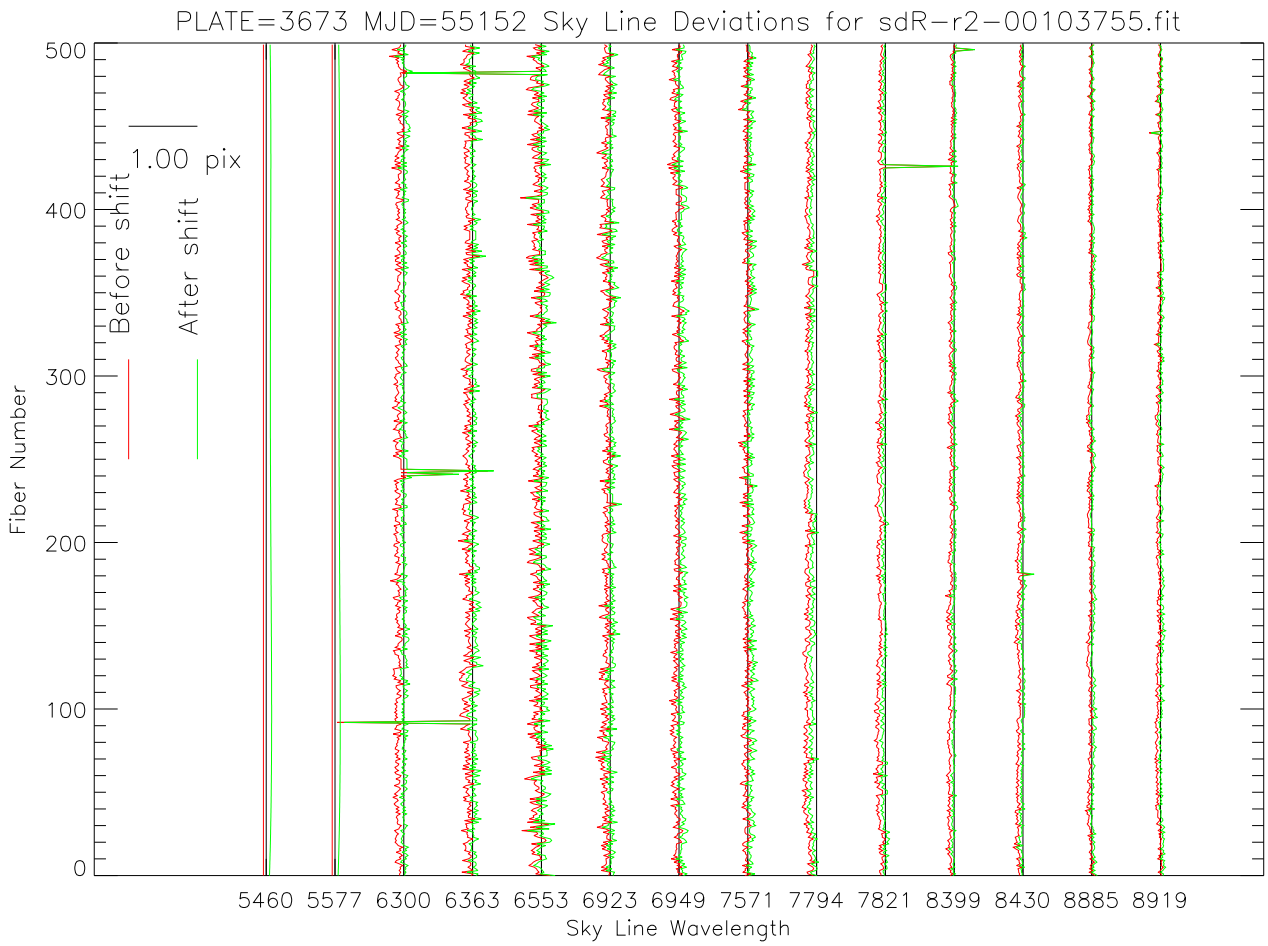
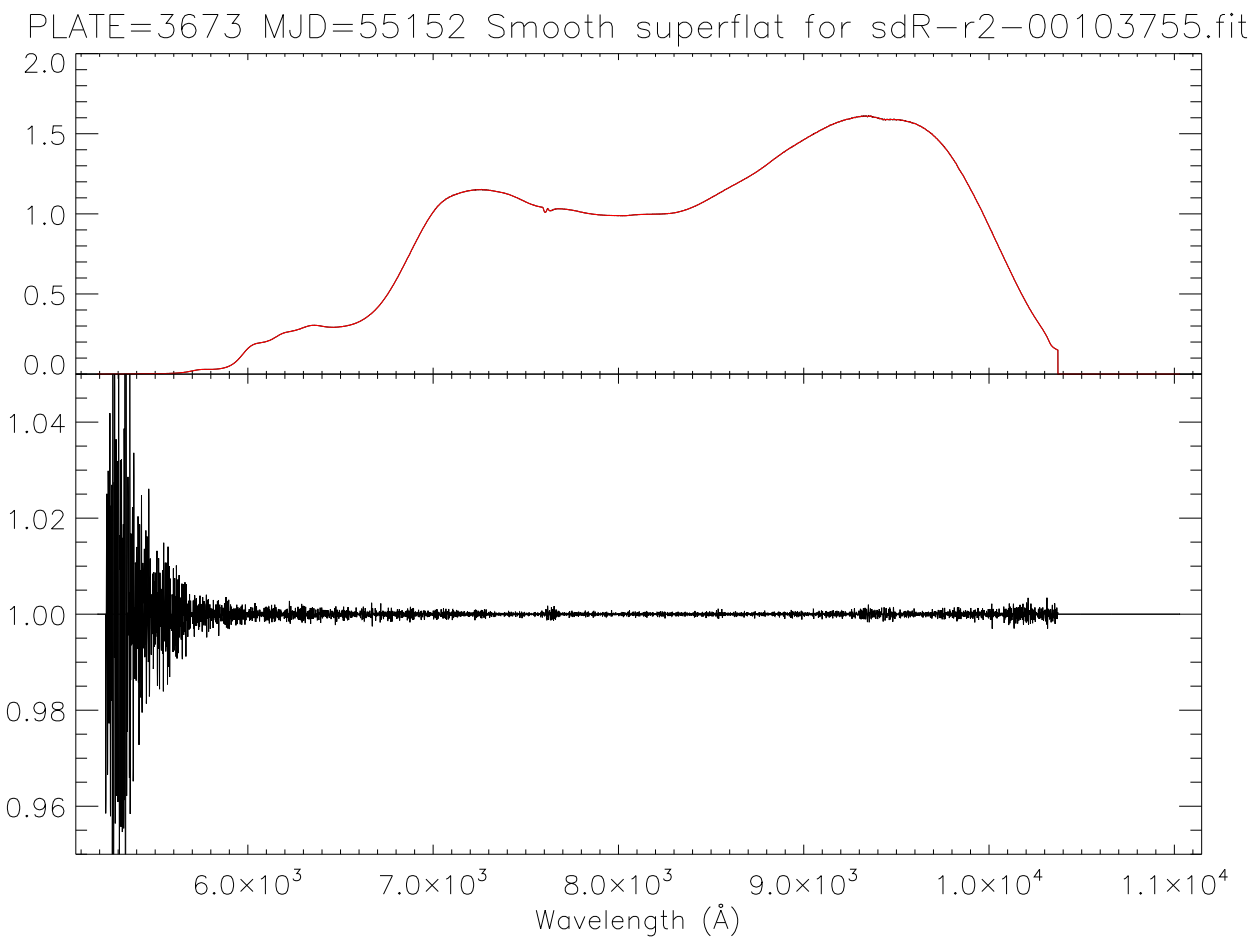
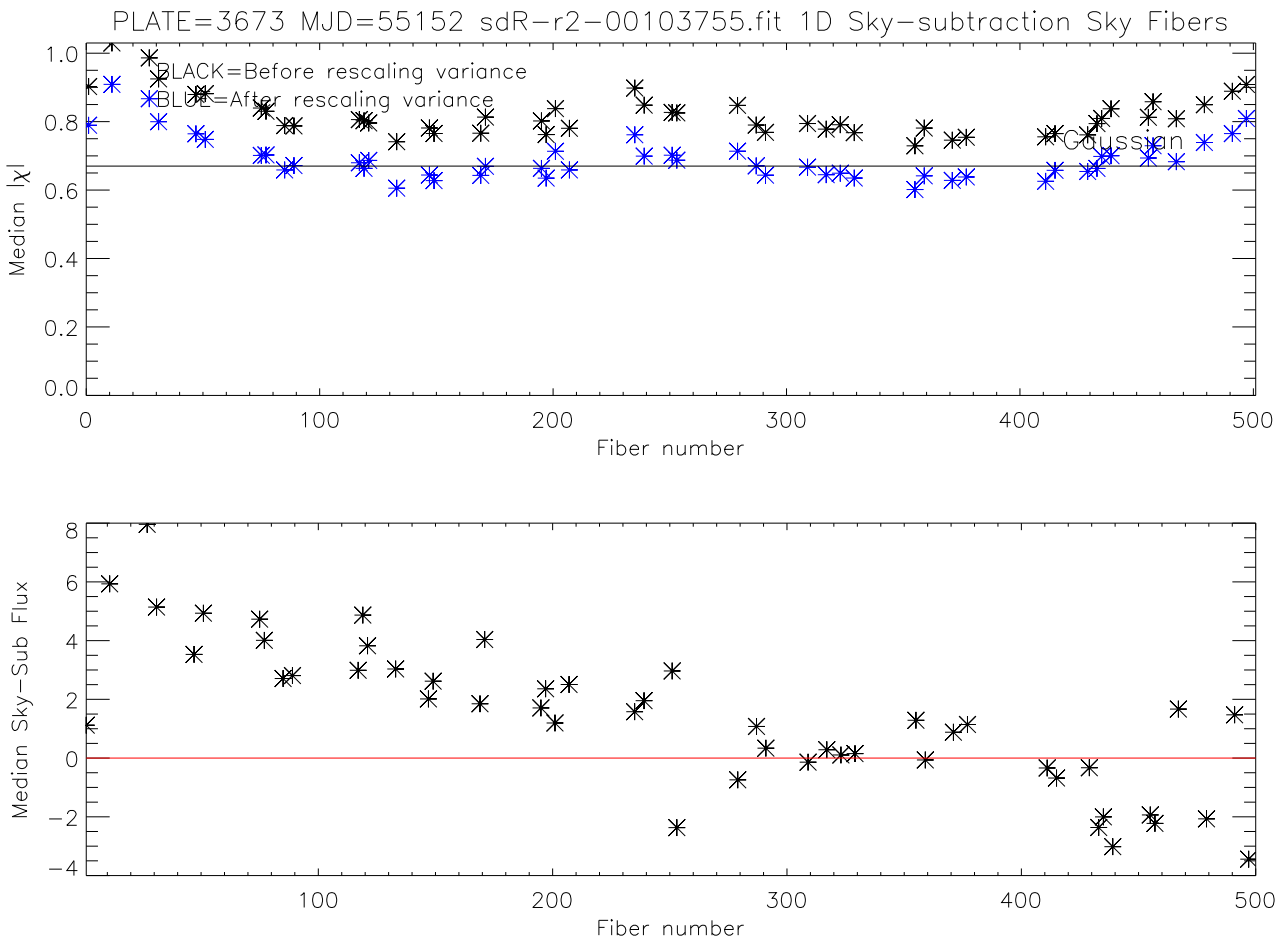
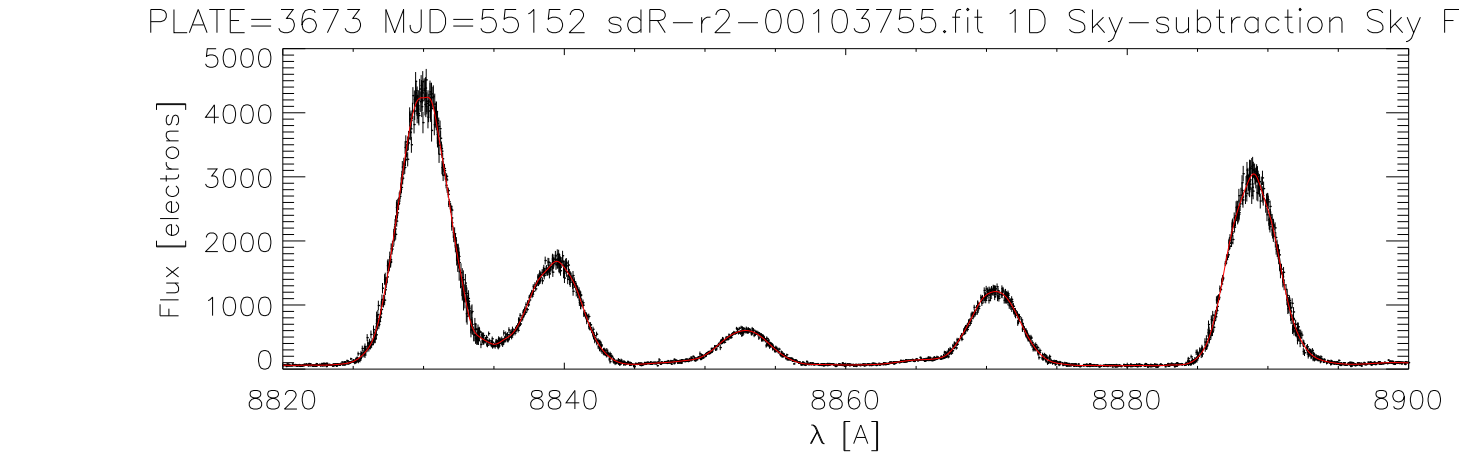
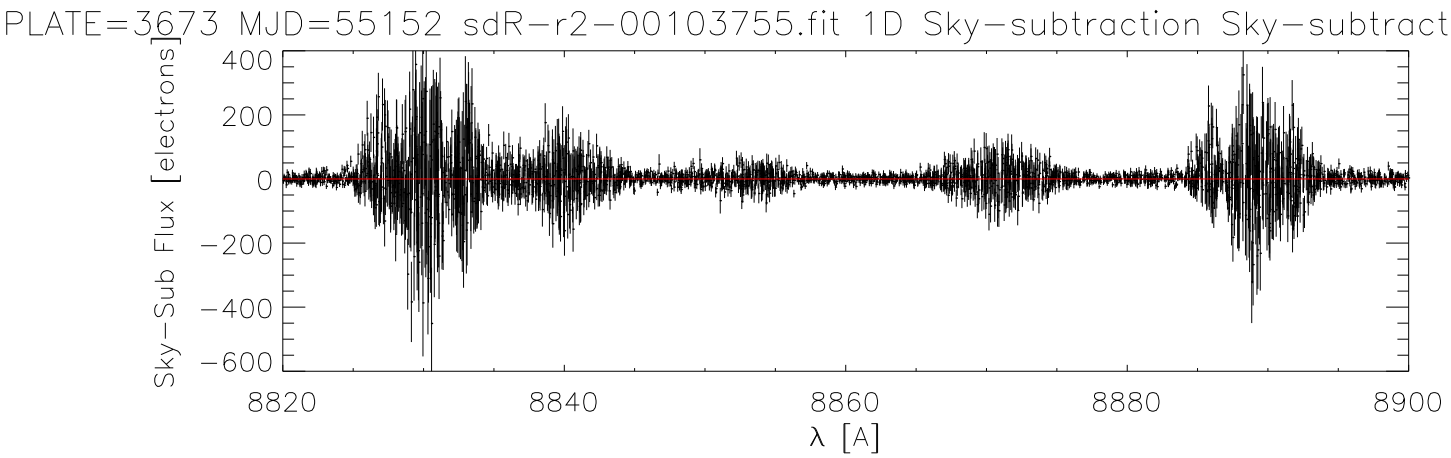

PLATE=3673 MJD=55152 Extraction chi^2 for sdR−r2−00103755.fit
BLACK = Final chisq extraction
χ^2
2.0
1.5
1.0
0.5
0.0
0
1000
2000
3000
4000
Row number


PLATE=3673 MJD=55152 Sky Line Deviations for sdR-r2-00103755.fit
Before shift
After shift
1.00 pix
Fiber Number
0
100
200
300
400
500
5460 5577 6300 6363 6553 6923 6949 7571 7794 7821 8399 8430 8885 8919
Sky Line Wavelength

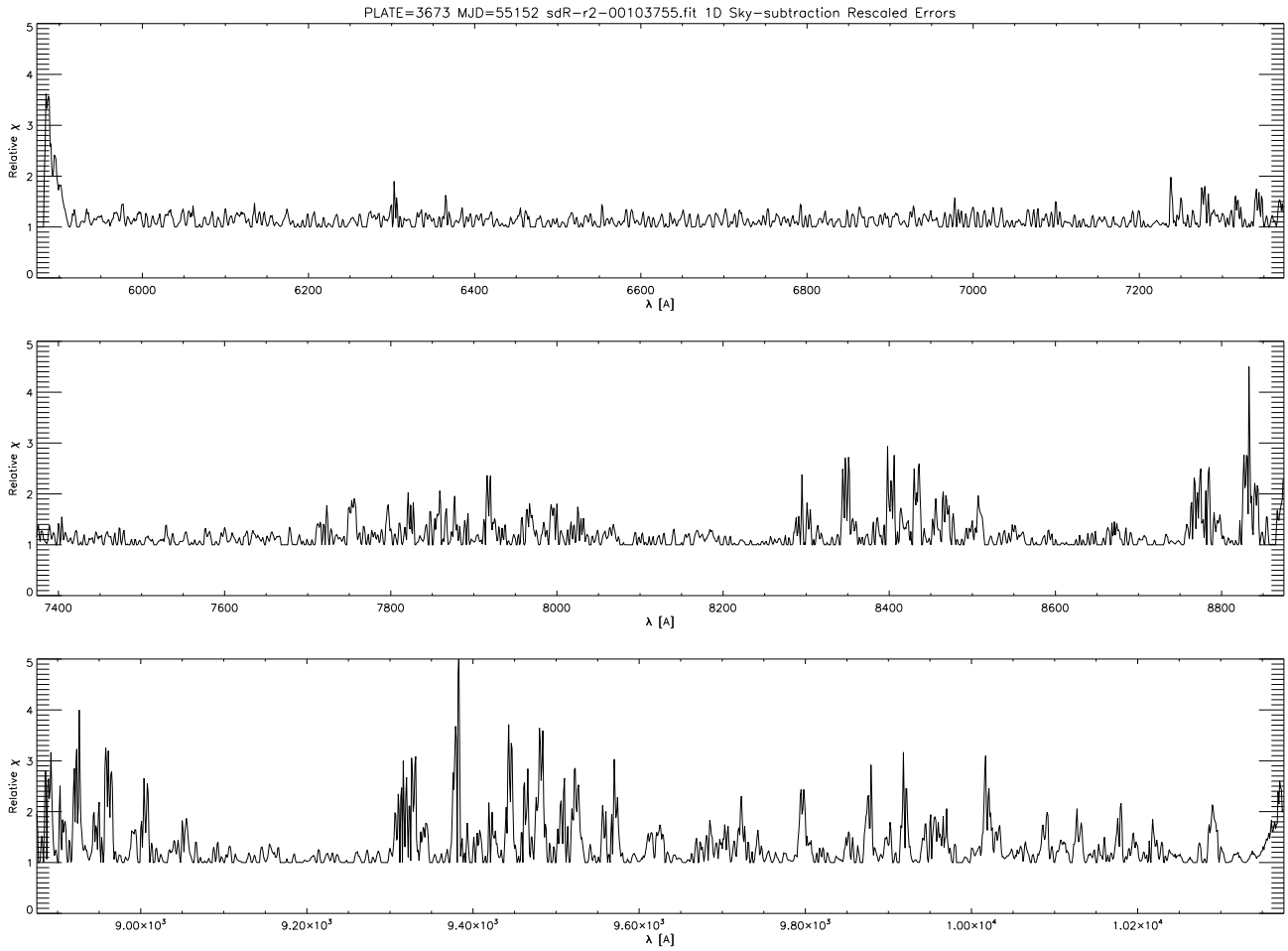

PLATE=3673 MJD=55152 Smooth superflat for sdR-r2-00103755.fit
2.0
1.5
1.0
0.5
0.0
1.04
1.02
1.00
0.98
0.96
6.0×10^3
7.0×10^3
8.0×10^3
9.0×10^3
1.0×10^4
1.1×10^4
Wavelength (Å)

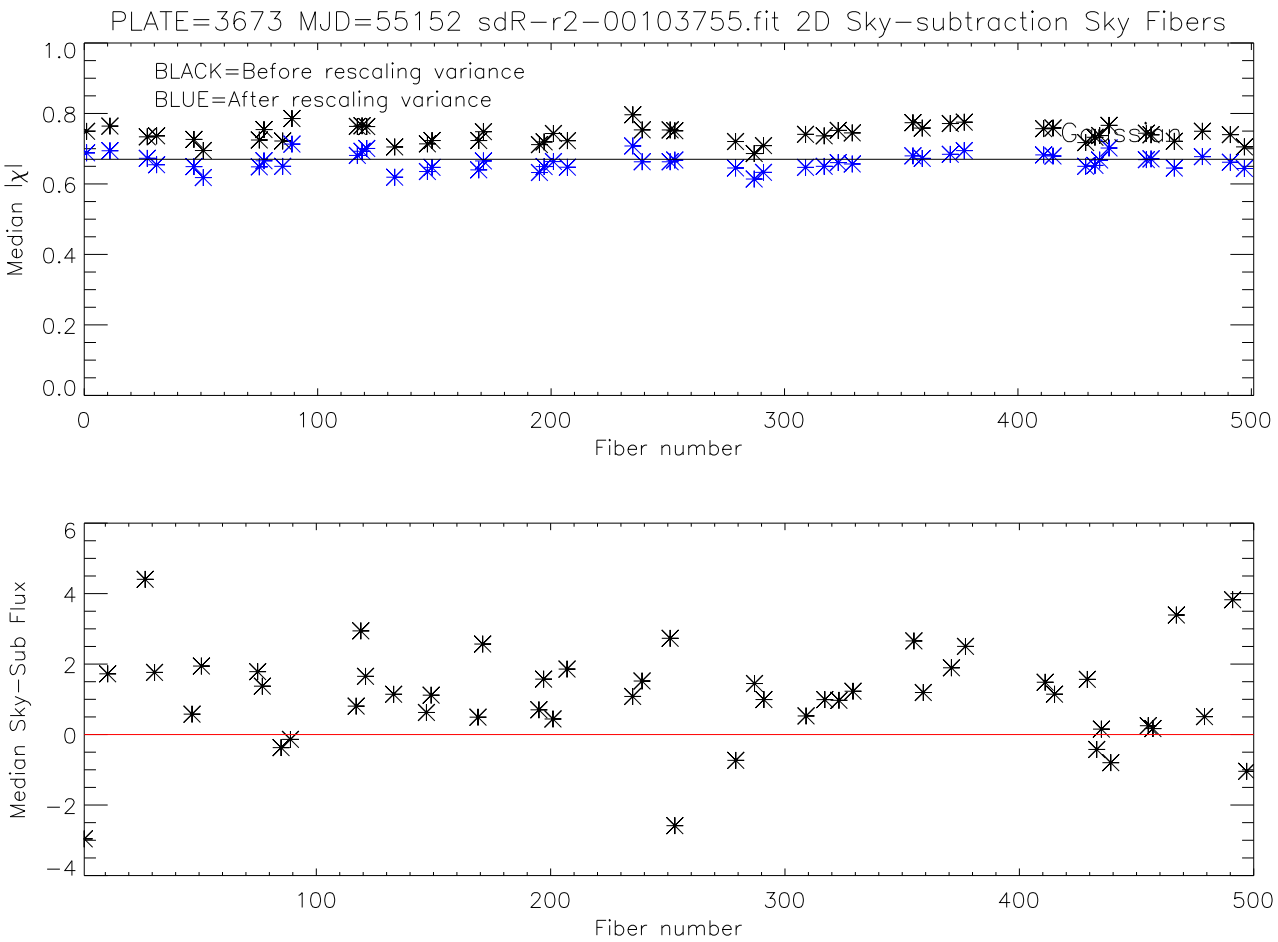

PLATE=3673 MJD=55152 sdR-r2-00103755.fit 1D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

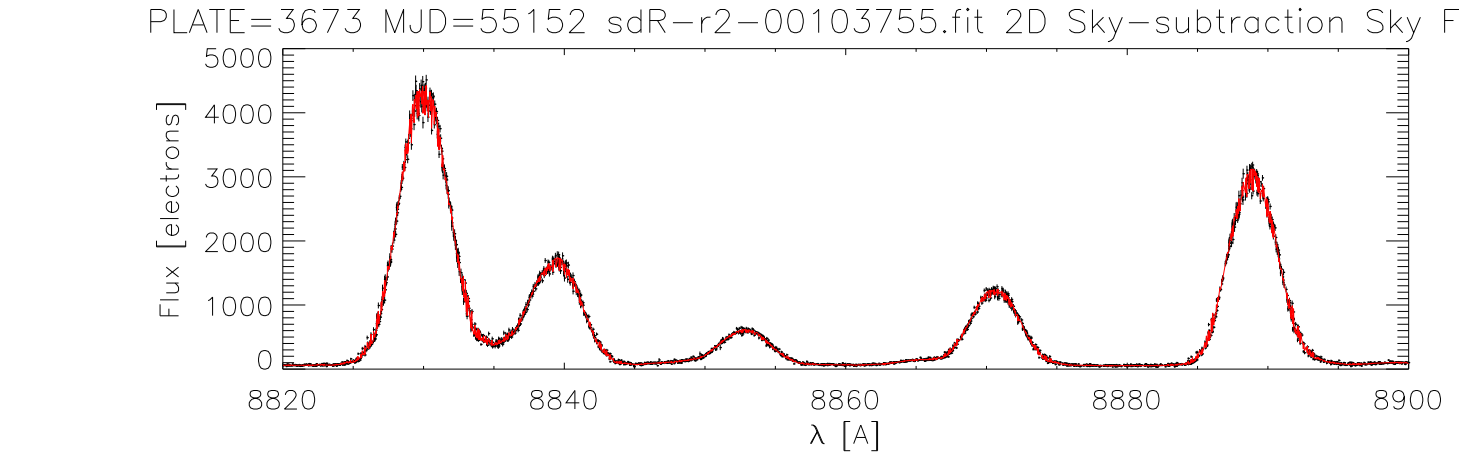

PLATE=3673 MJD=55152 sdR-r2-00103755.fit 1D Sky-subtraction Sky Fibers
Flux [electrons]
5000
4000
3000
2000
1000
0
8820
8840
8860
8880
8900
λ [A]

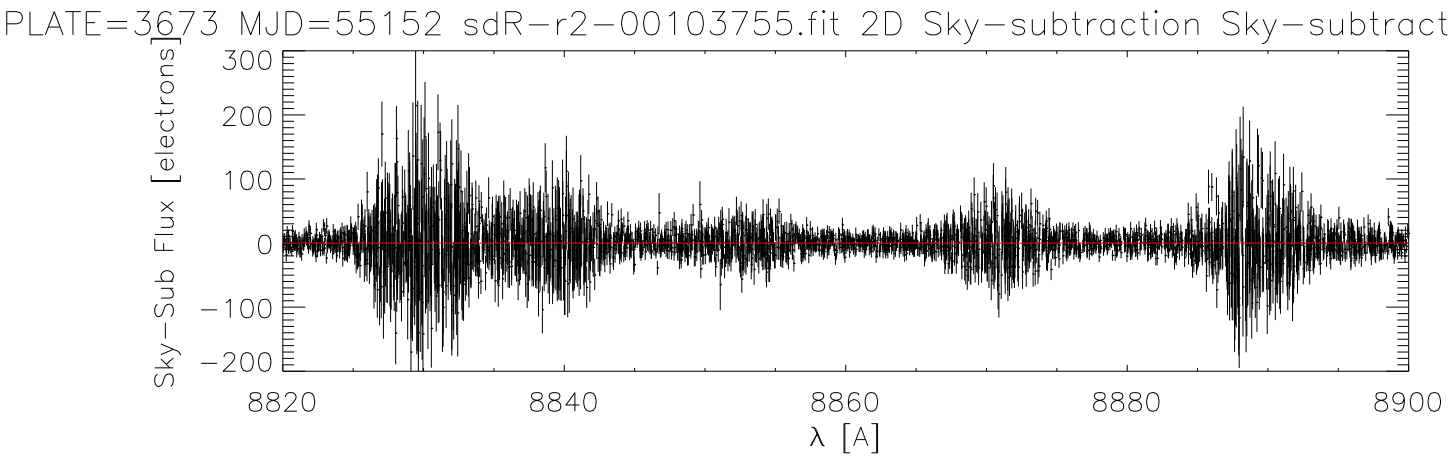

PLATE=3673 MJD=55152 sdR-r2-00103755.fit 1D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
400
200
0
-200
-400
-600
8820
8840
8860
8880
8900
λ [A]

Number of sky fibers = 49

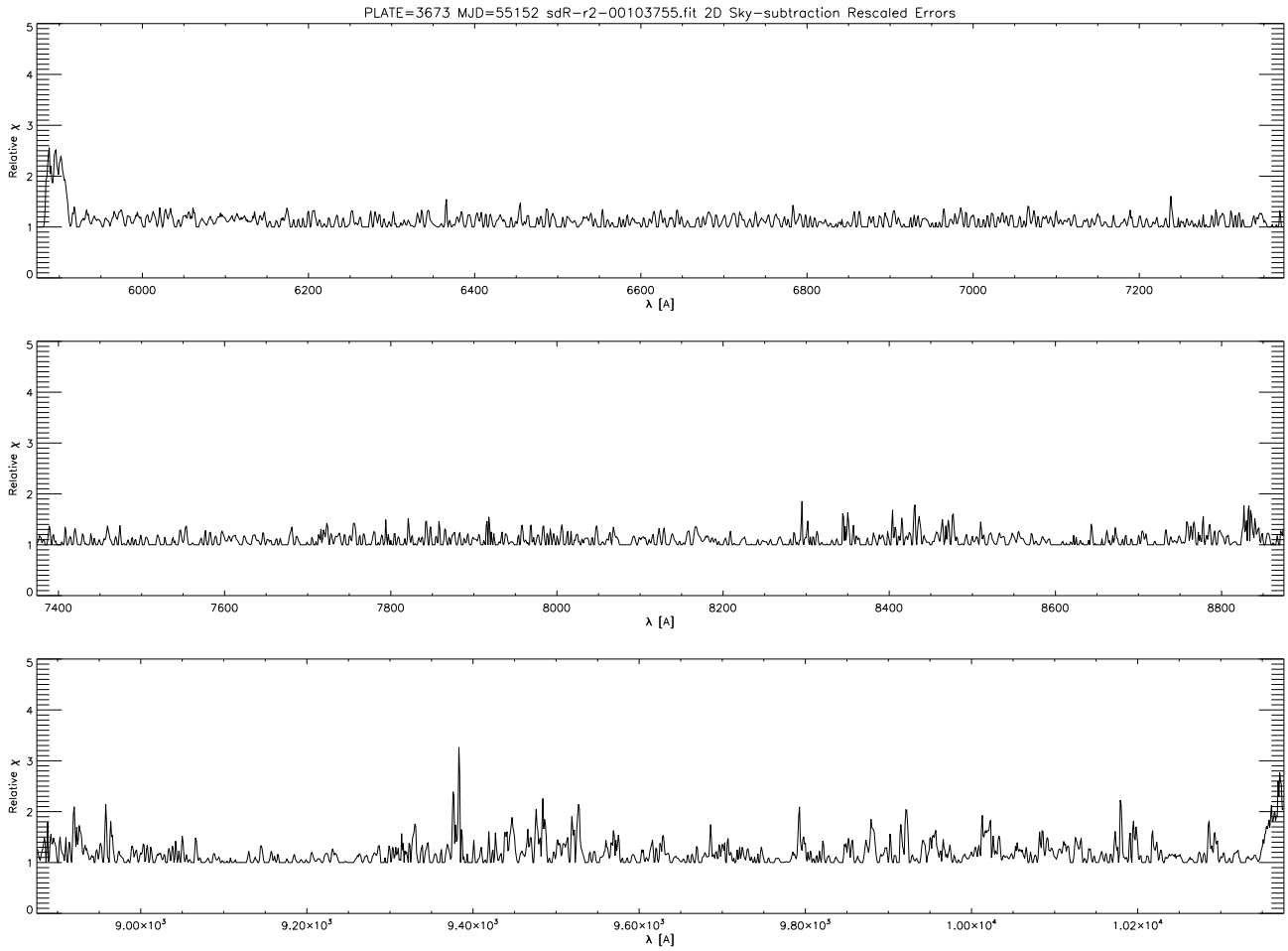


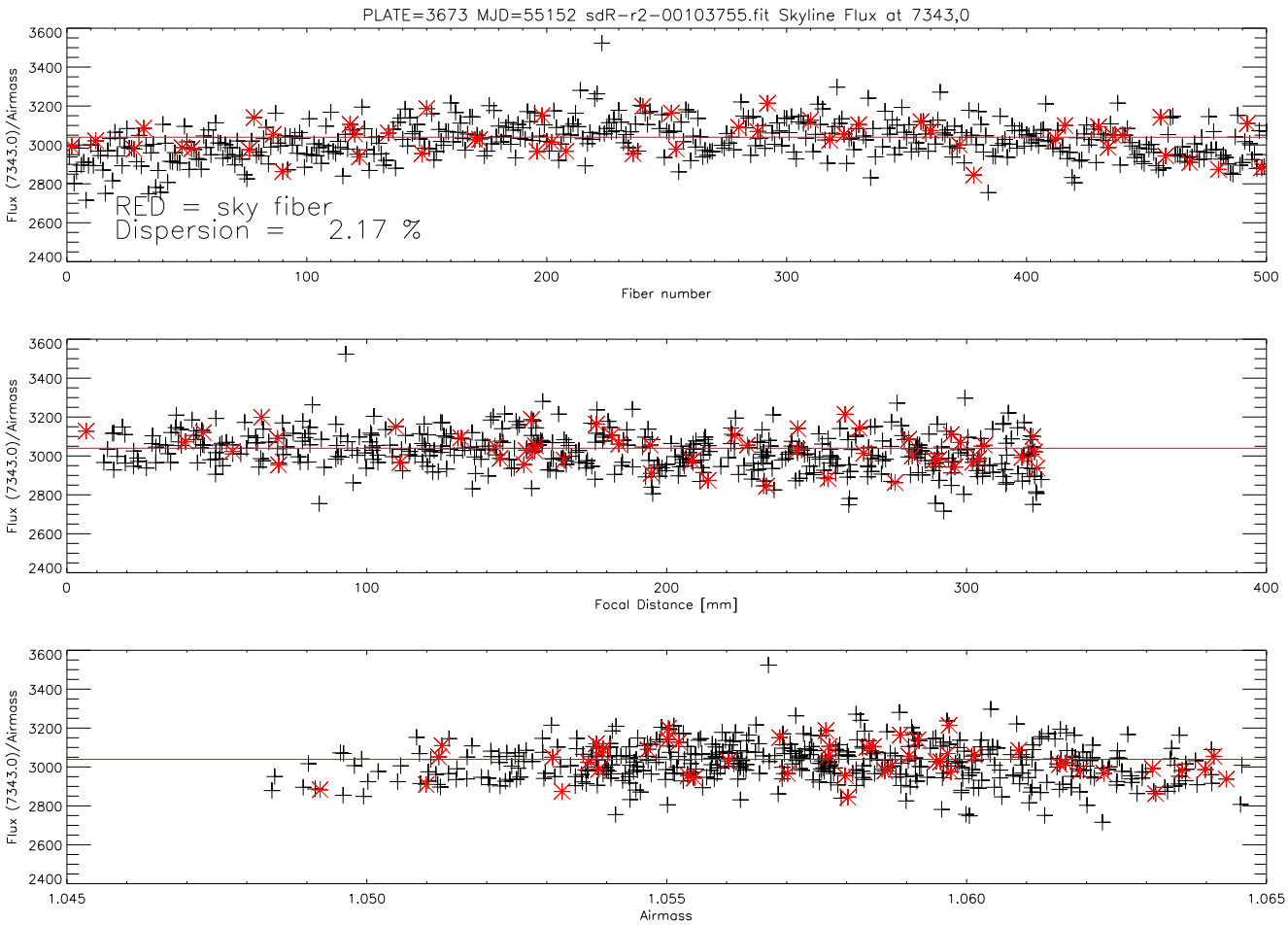

PLATE=3673 MJD=55152 sdR-r2-00103755.fit 2D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

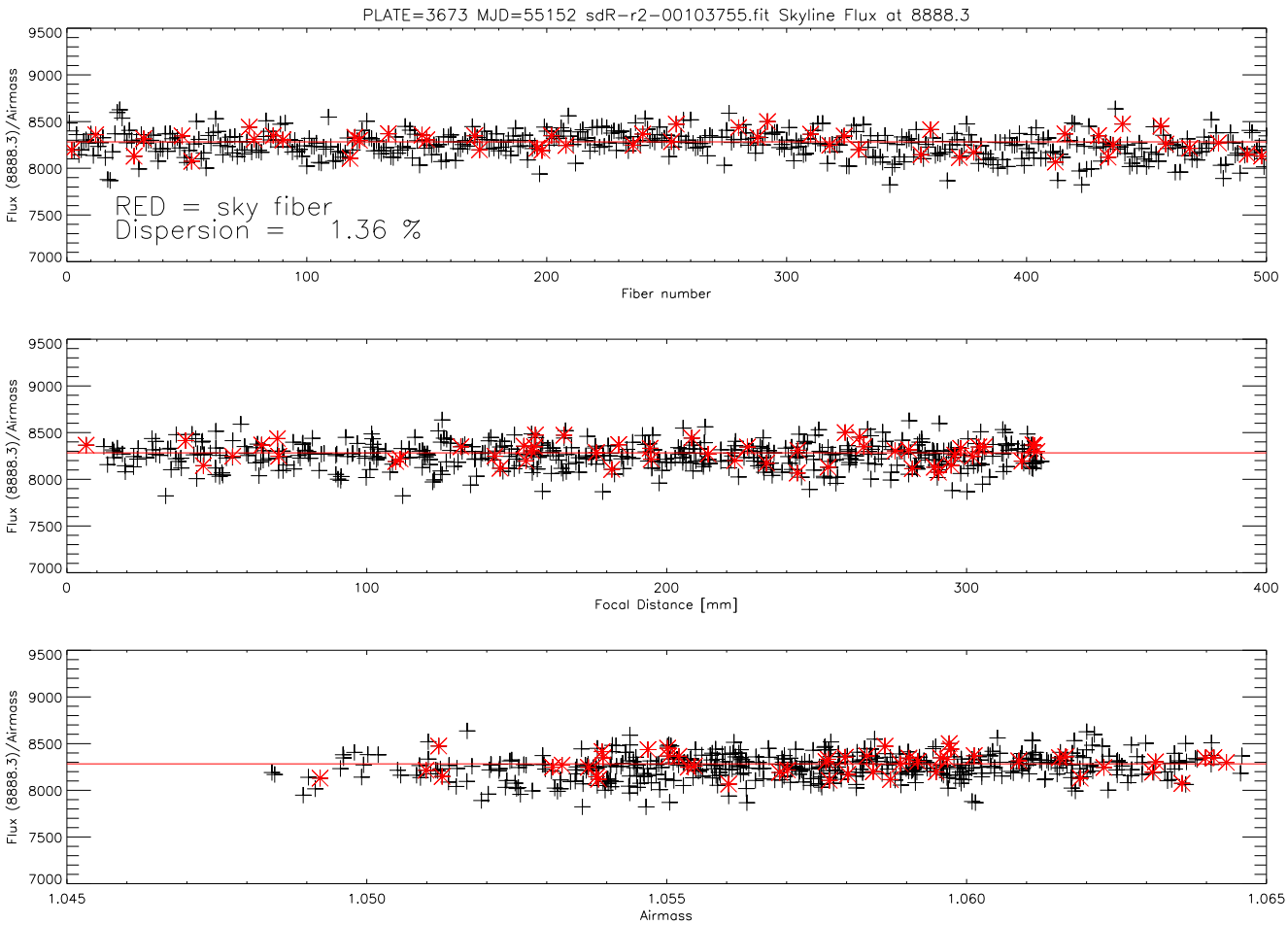

PLATE=3673 MJD=55152 sdR-r2-00103755.fit 2D Sky-subtraction Sky Fibers
Flux [electrons]
5000
4000
3000
2000
1000
0
8820
8840
8860
8880
8900
λ [A]


PLATE=3673 MJD=55152 sdR-r2-00103755.fit 2D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
300
200
100
0
-100
-200
8820
8840
8860
8880
8900
λ [A]

Number of sky fibers = 49




PLATE=3673 MJD=55152 sdR-r2-00103755.fit Skyline Flux at 7343,0
Flux (7343.0)/Airmass
Fiber number
RED = sky fiber
Dispersion = 2.17 %
Flux (7343.0)/Airmass
Focal Distance [mm]
Flux (7343.0)/Airmass
Airmass


PLATE=3673 MJD=55152 sdR-r2-00103755.fit Skyline Flux at 8888.3
Flux (8888.3)/Airmass
RED = sky fiber
Dispersion = 1.36 %
Fiber number
Flux (8888.3)/Airmass
Focal Distance [mm]
Flux (8888.3)/Airmass
Airmass