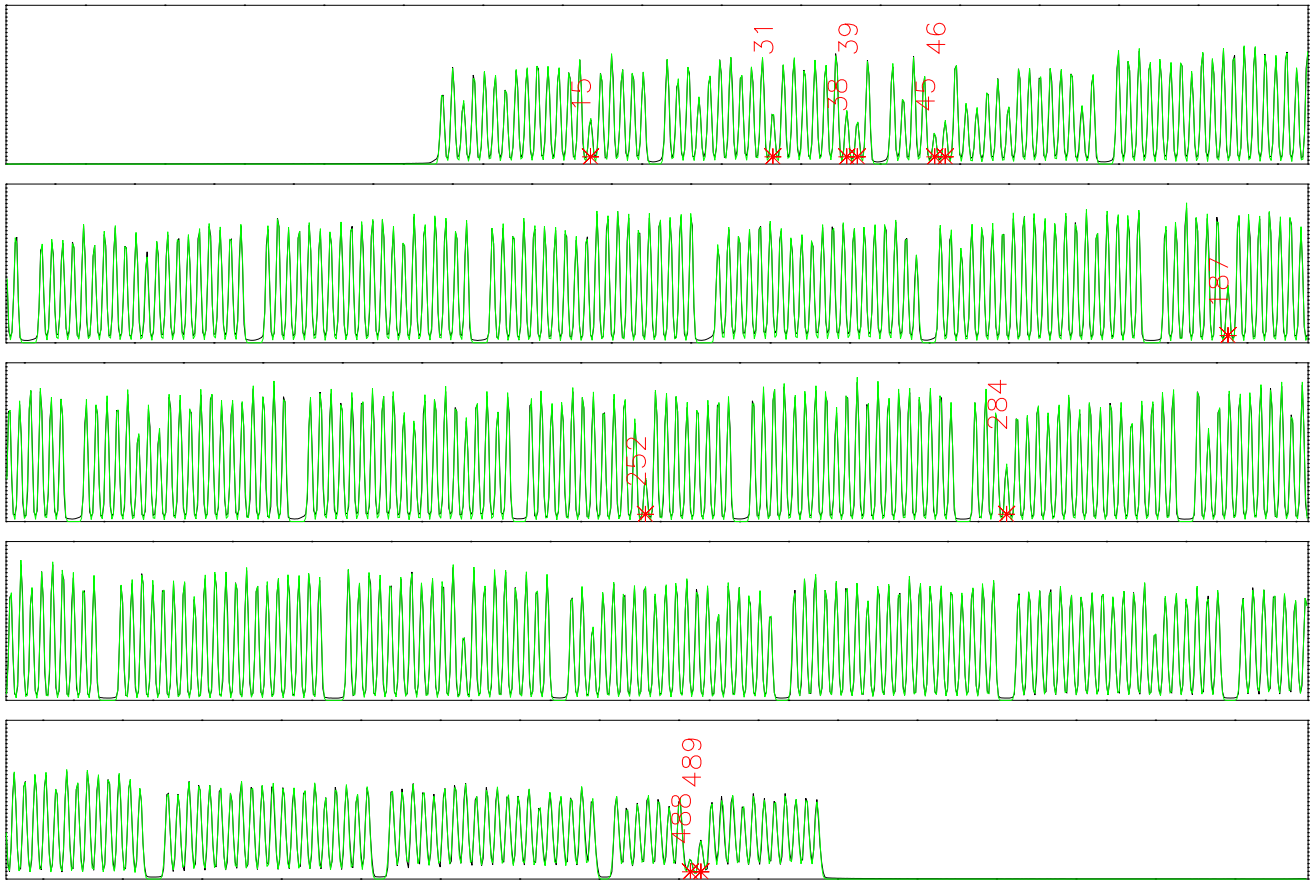
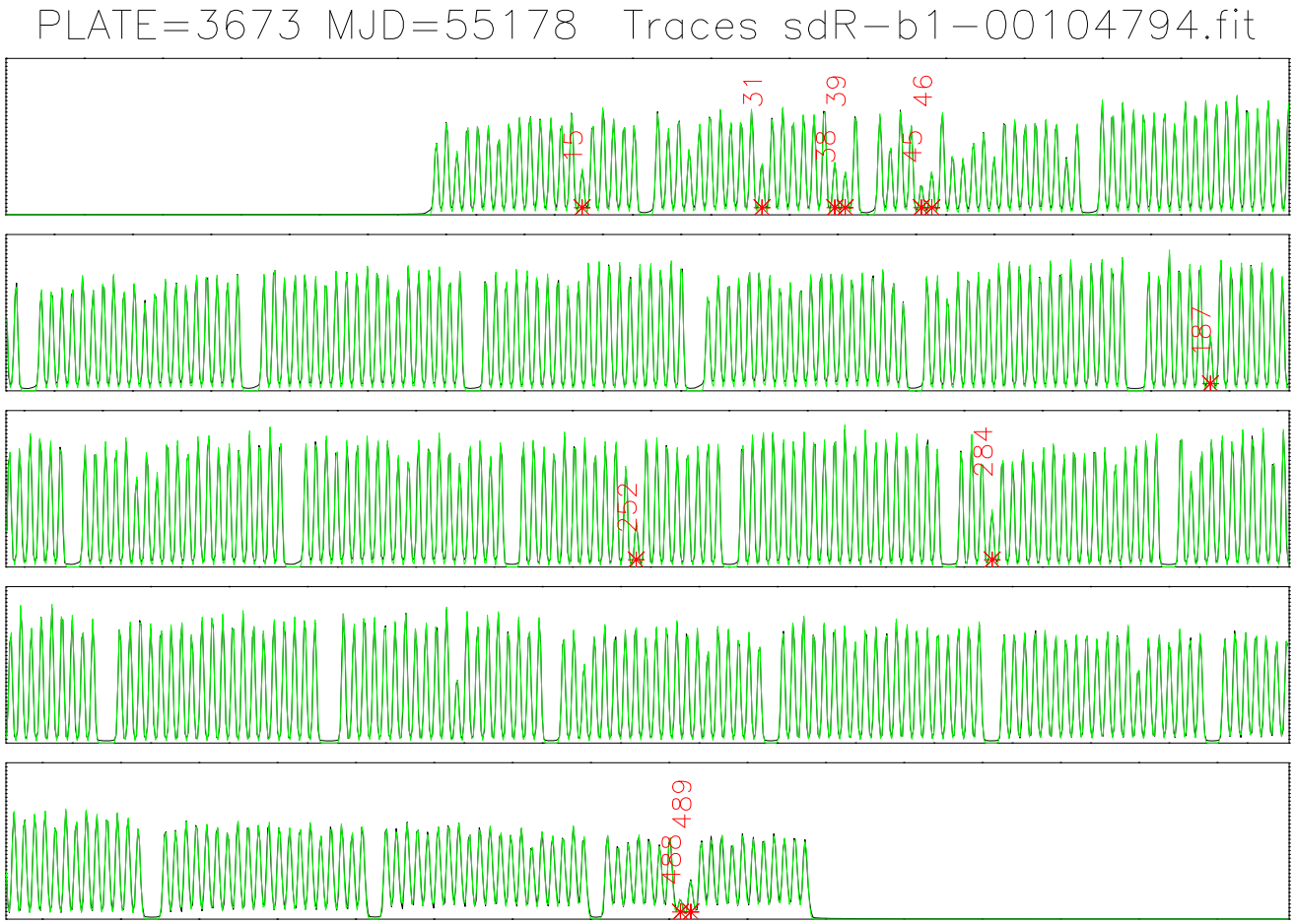
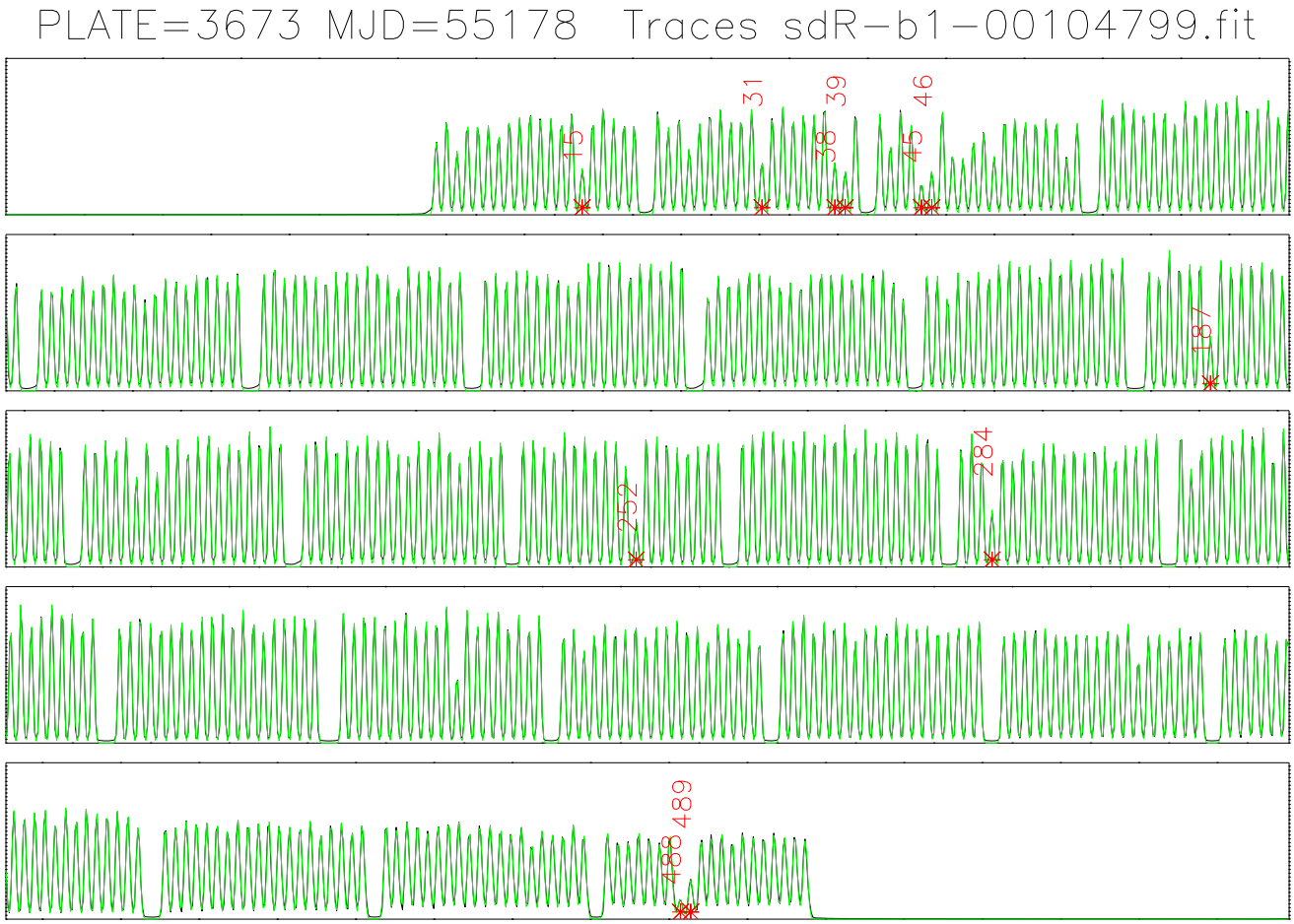
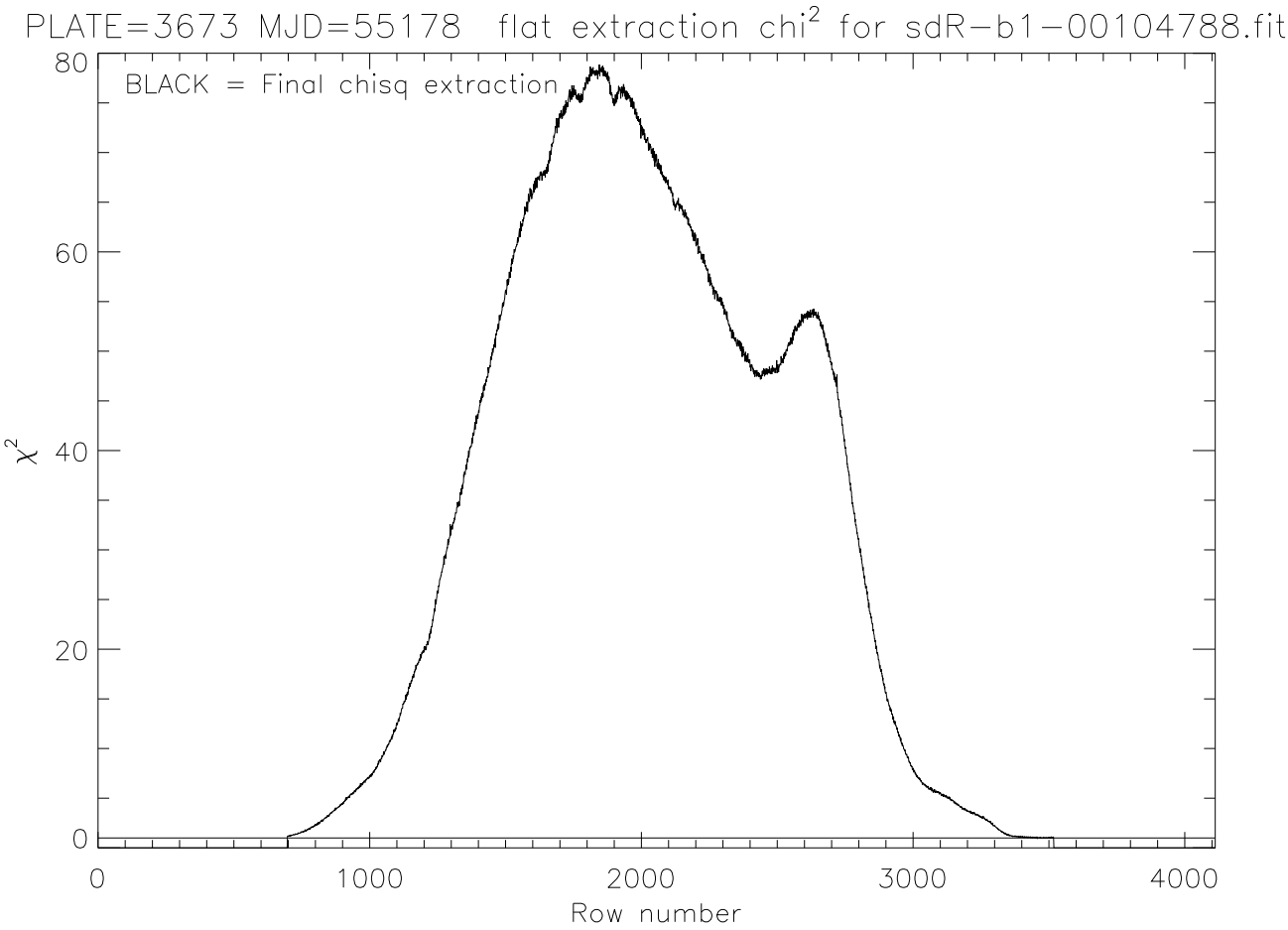
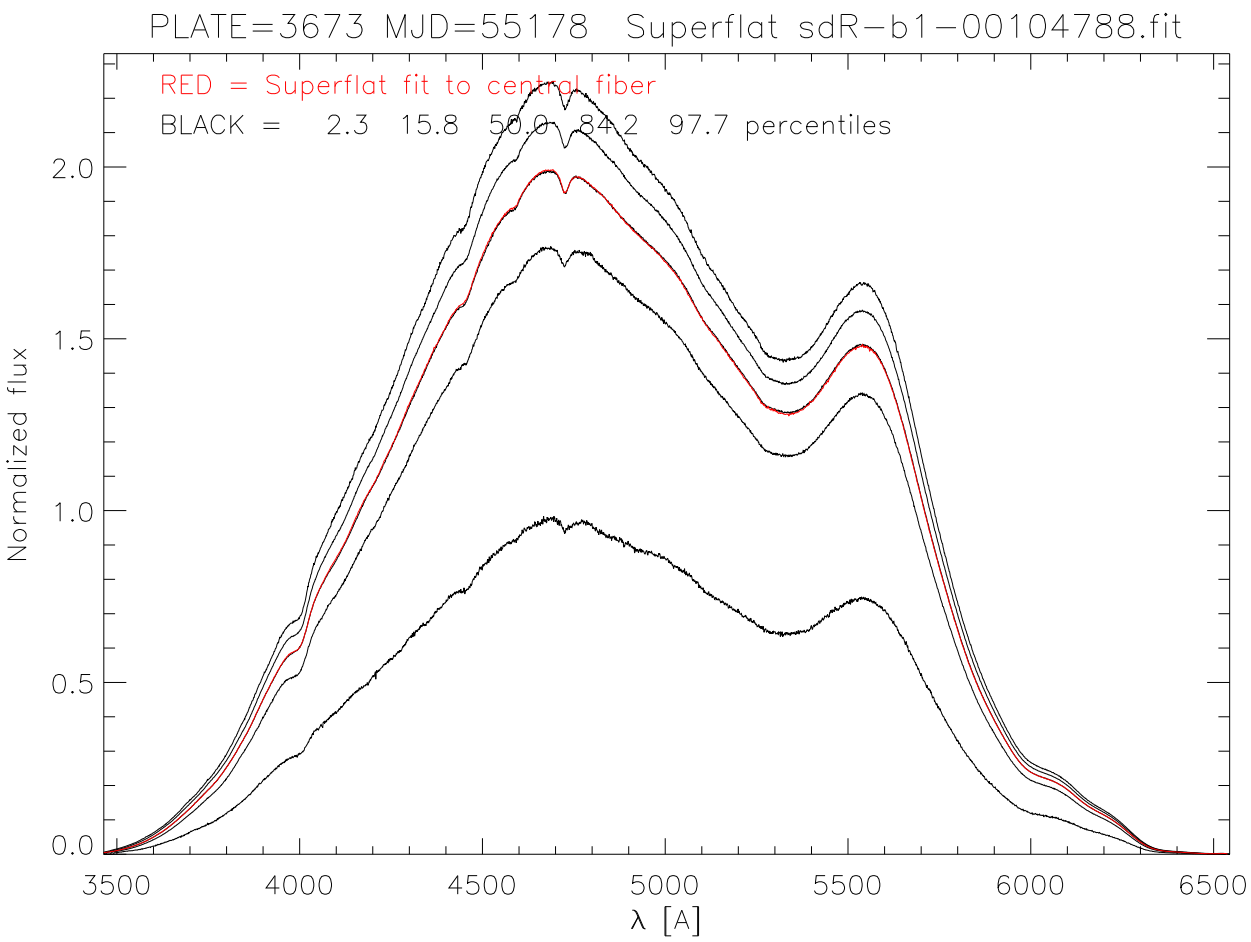
PLATE=3673 MJD=55178 Traces sdR-b1-00104788.fit

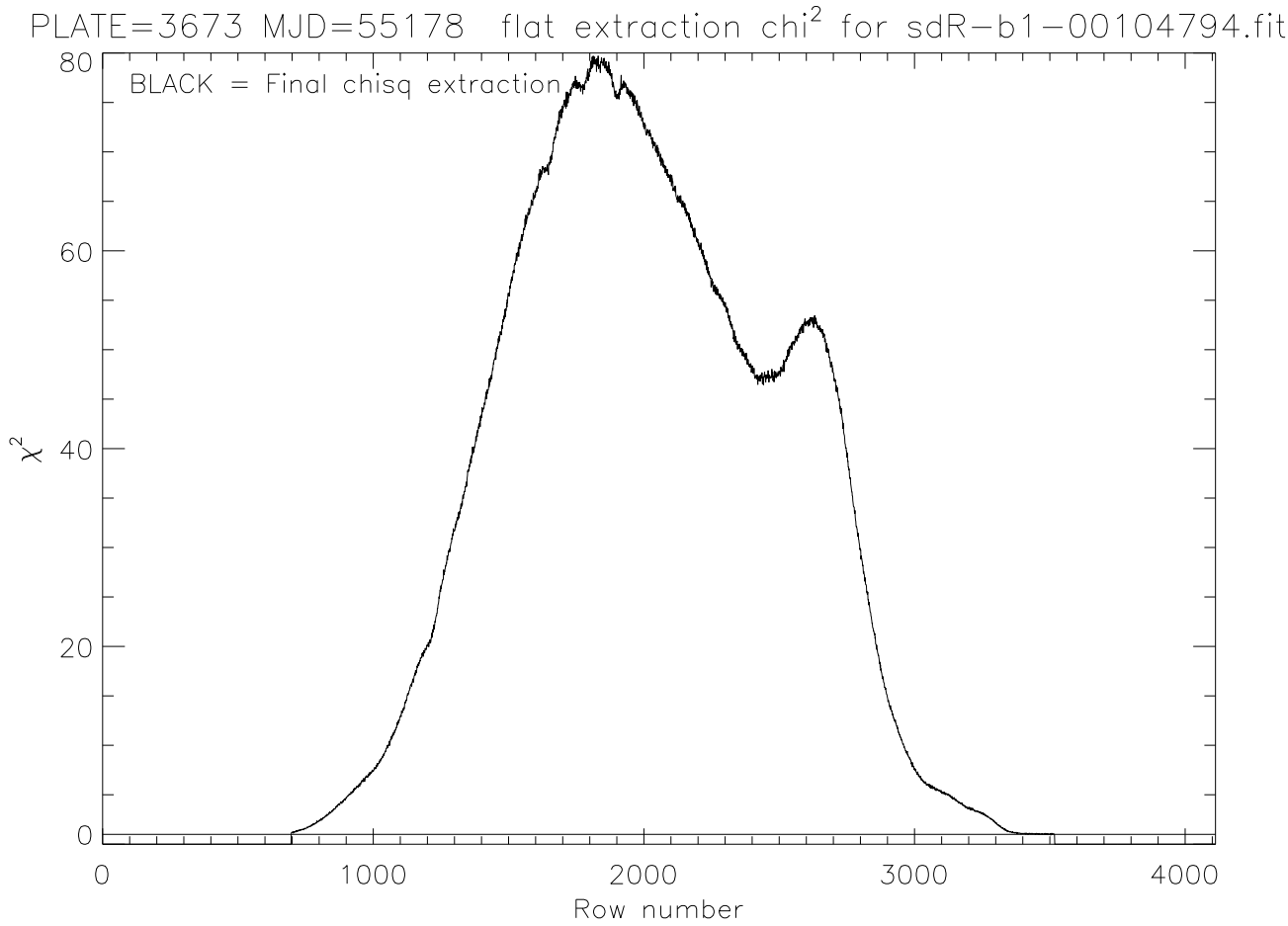


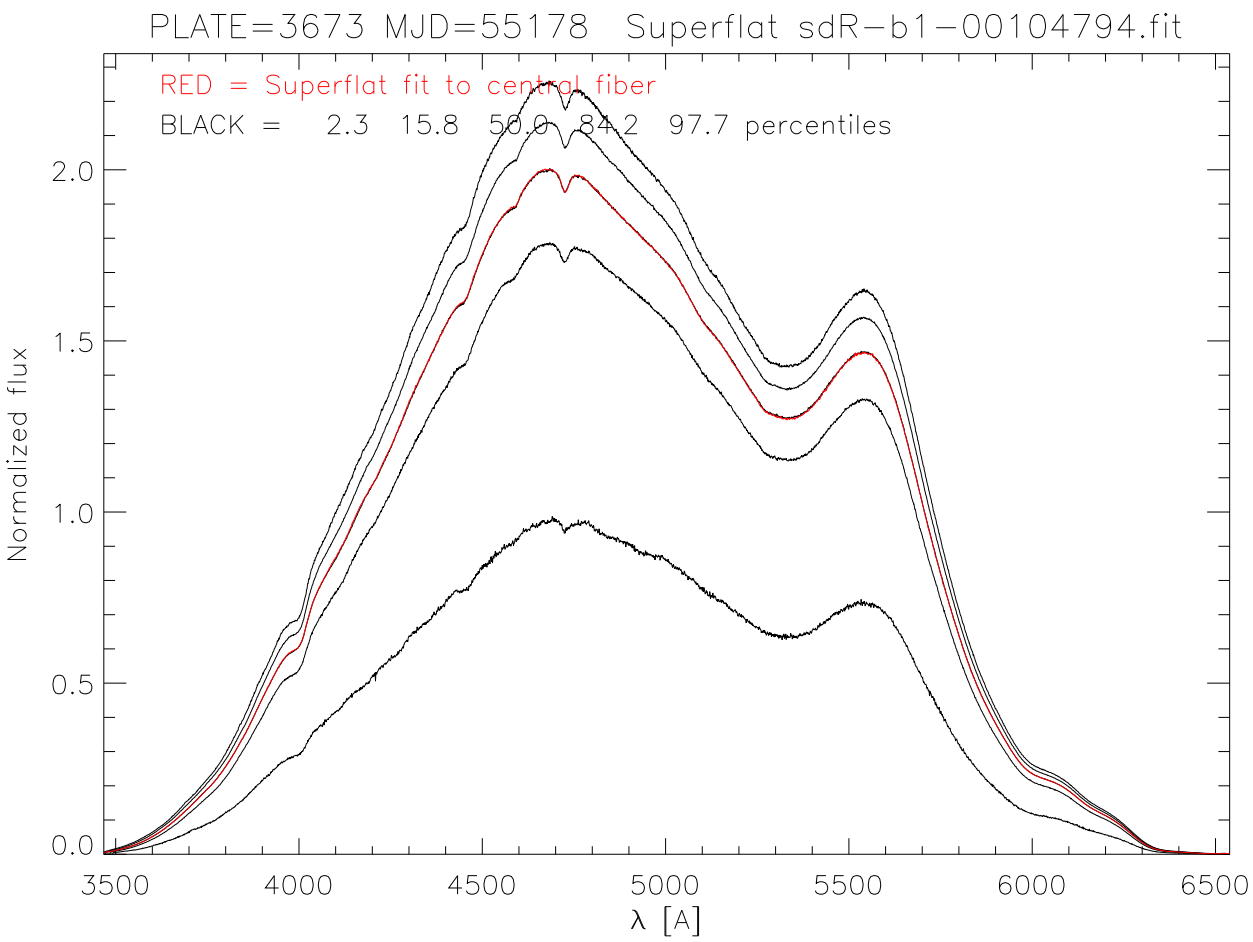

PLATE=3673 MJD=55178 Traces sdR-b1-00104794.fit
15
31
38
39
45
46
187
252
284
488
489

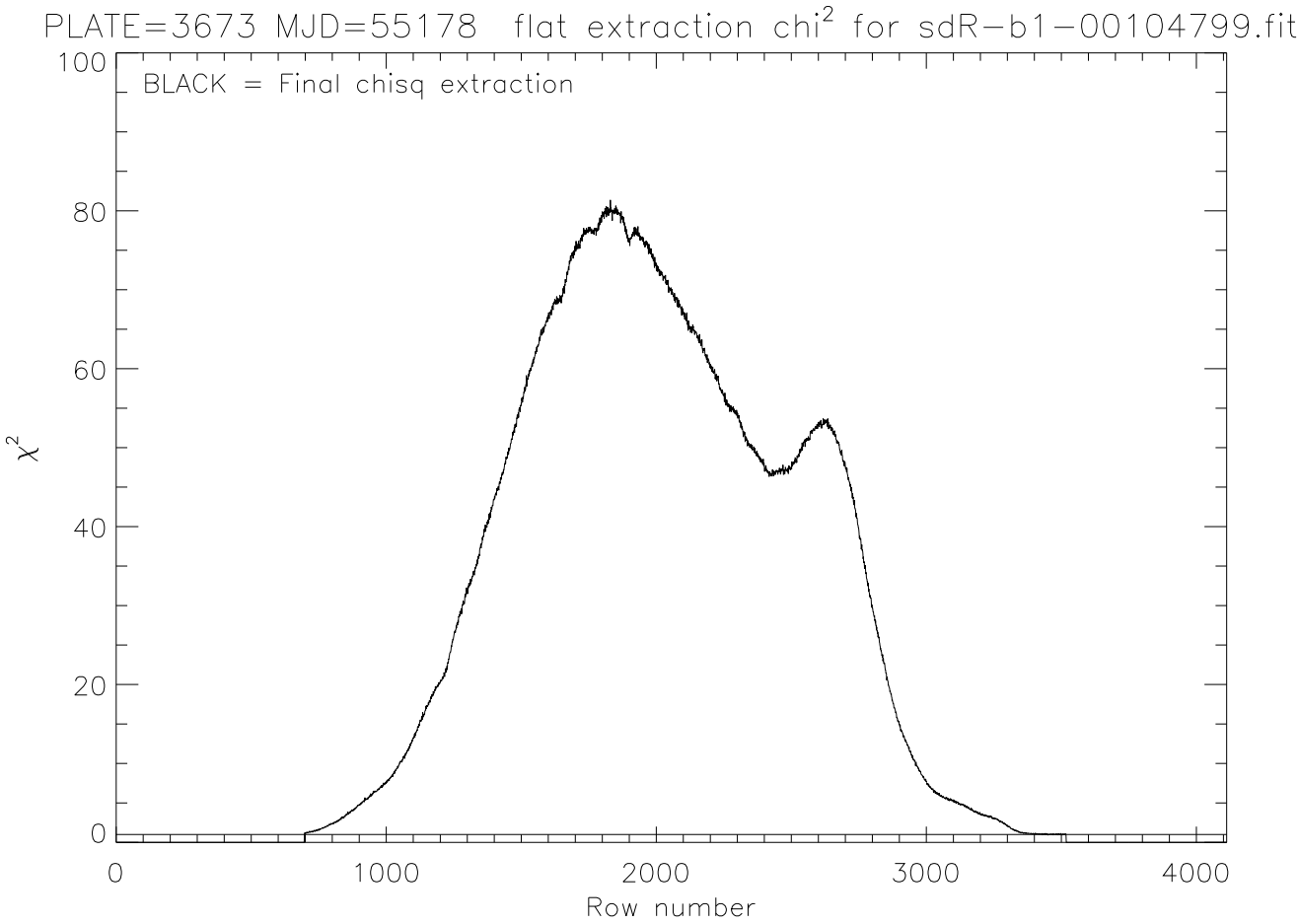

PLATE=3673 MJD=55178 Traces sdR-b1-00104799.fit
15
31
38
39
45
46
187
252
284
488
489

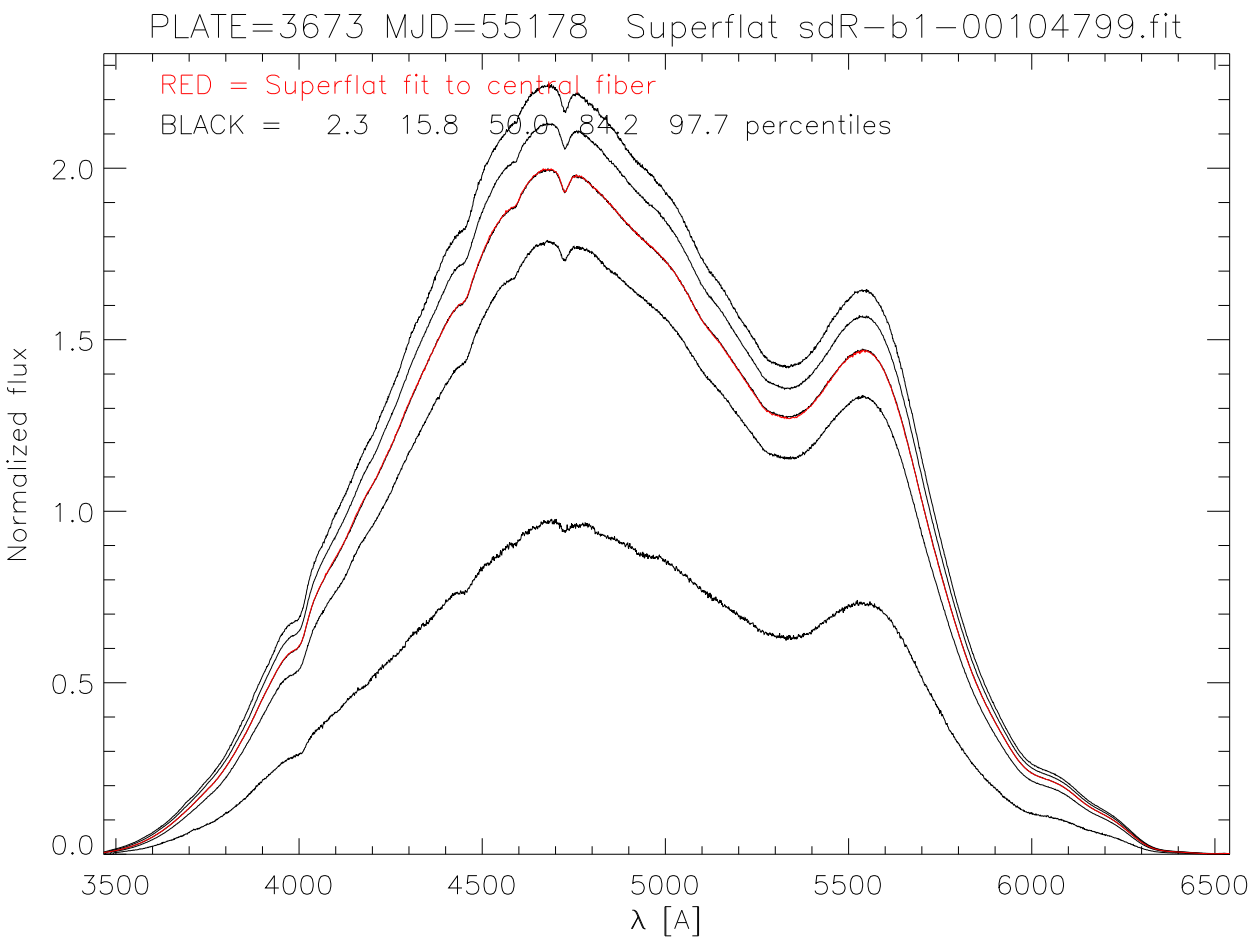

PLATE=3673 MJD=55178 flat extraction chi^2 for sdR−b1−00104788.fit
BLACK = Final chisq extraction
χ^2
0
20
40
60
80
0
1000
2000
3000
4000
Row number

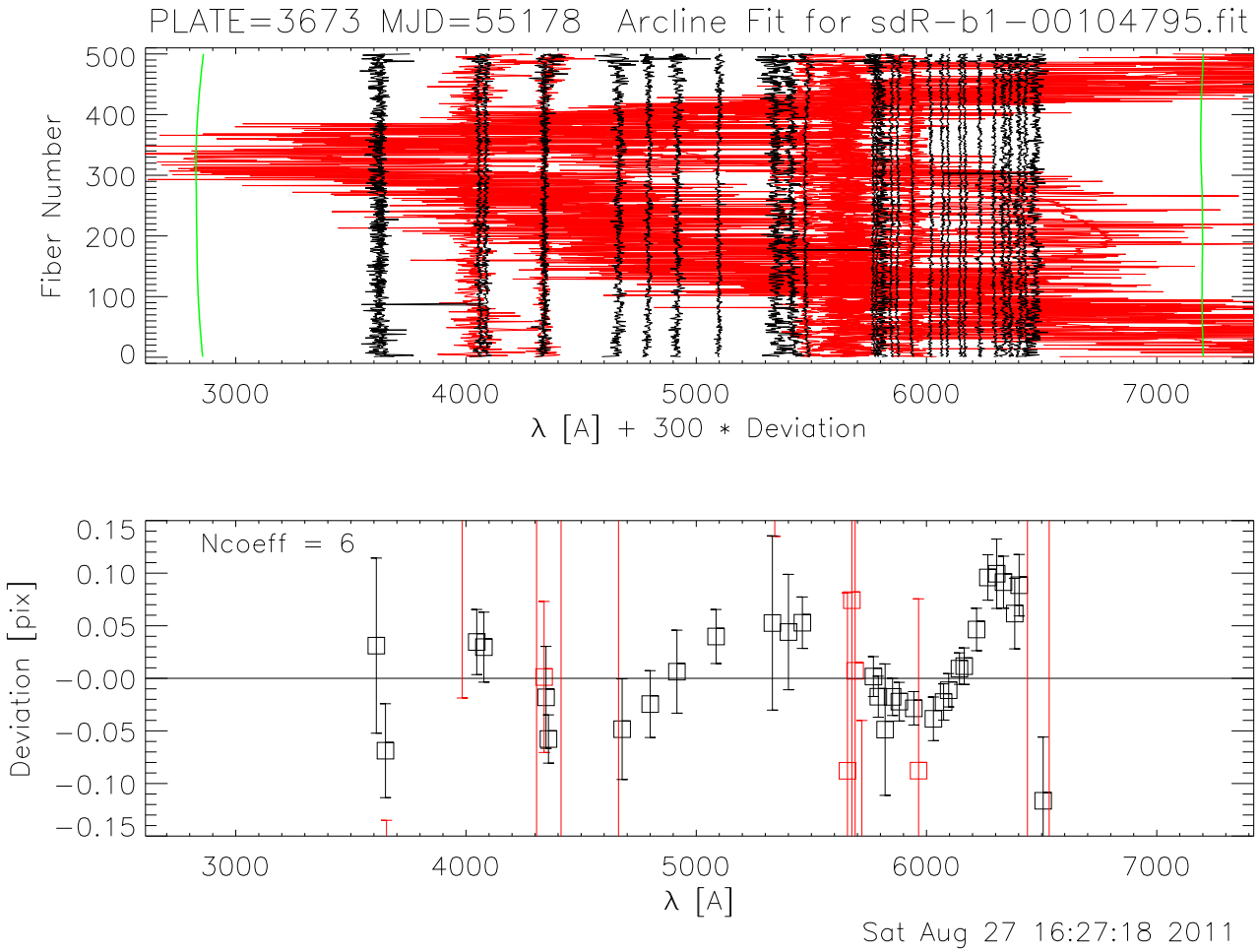

PLATE=3673 MJD=55178 Superflat sdR-b1-00104788.fit
RED = Superflat fit to central fiber
BLACK = 2.3 15.8 50.0 84.2 97.7 percentiles
Normalized flux
λ [A]
0.0
0.5
1.0
1.5
2.0
3500
4000
4500
5000
5500
6000
6500

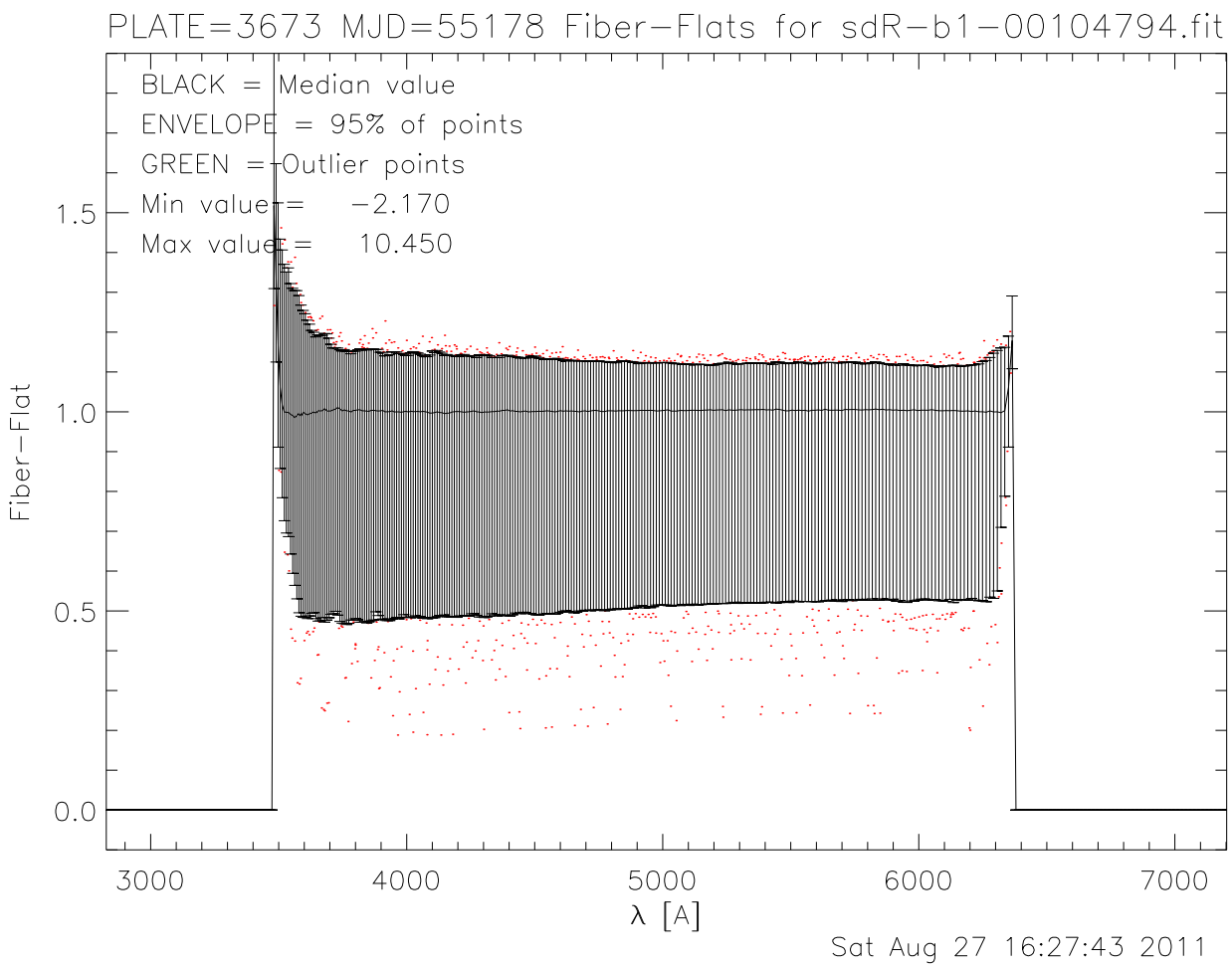

PLATE=3673 MJD=55178 flat extraction chi^2 for sdR−b1−00104794.fit
BLACK = Final chisq extraction
χ^2
0
20
40
60
80
0
1000
2000
3000
4000
Row number

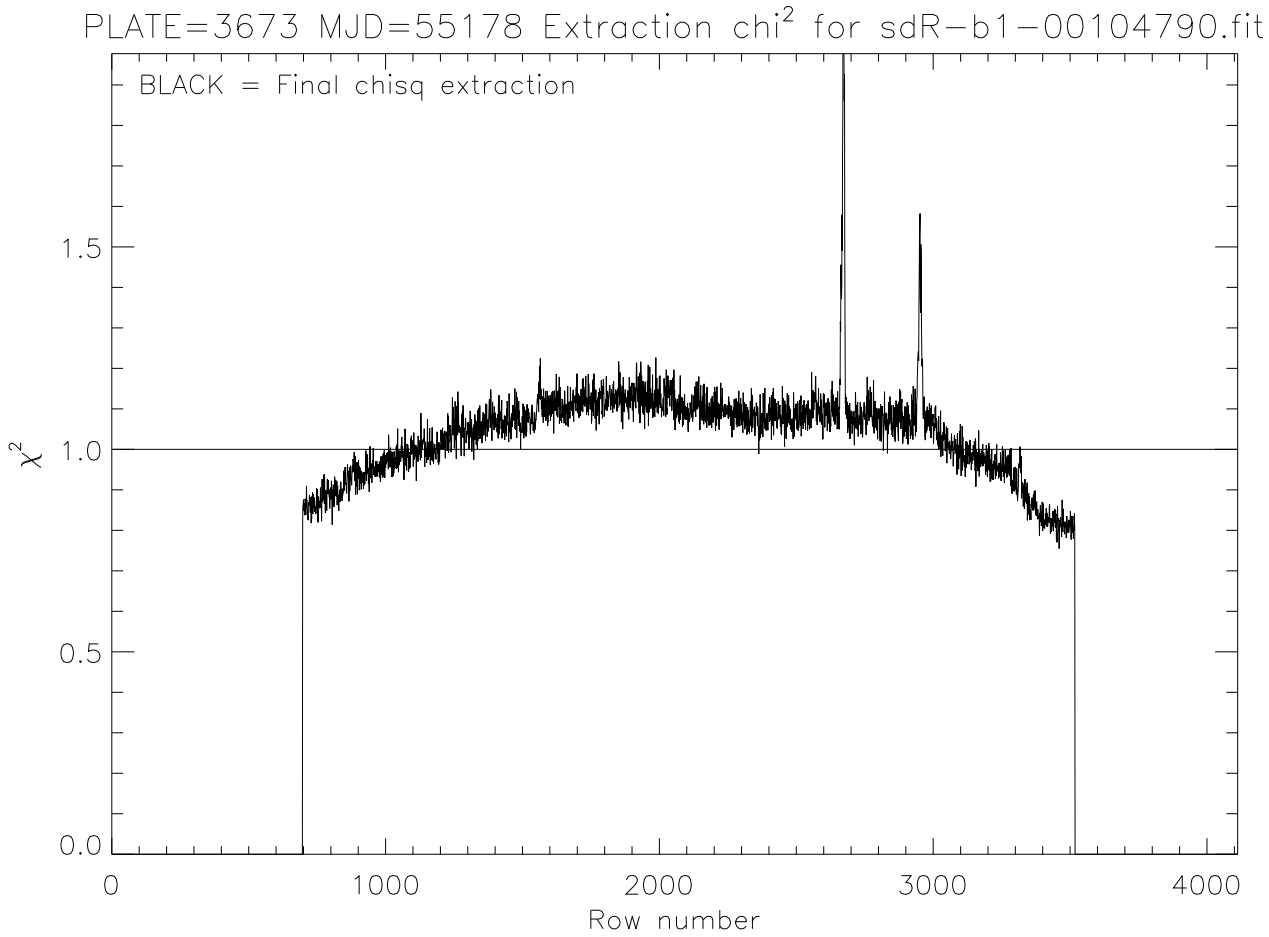

PLATE=3673 MJD=55178 Superflat sdR-b1-00104794.fit
RED = Superflat fit to central fiber
BLACK = 2.3 15.8 50.0 84.2 97.7 percentiles
Normalized flux
0.0
0.5
1.0
1.5
2.0
3500
4000
4500
5000
5500
6000
6500
λ [A]

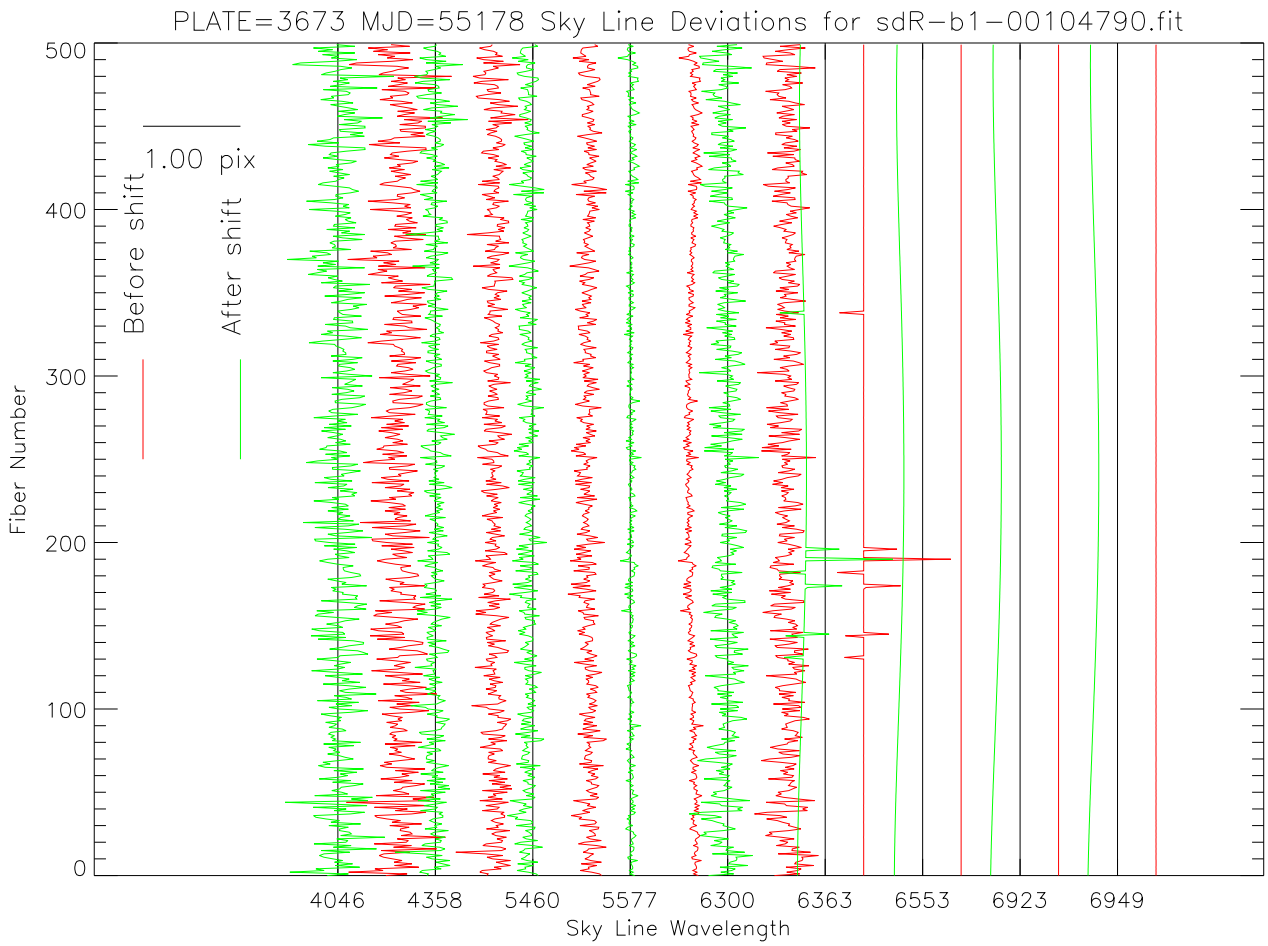

PLATE=3673 MJD=55178 flat extraction chi^2 for sdR−b1−00104799.fit
BLACK = Final chisq extraction
χ^2
Row number
0
20
40
60
80
100
0
1000
2000
3000
4000

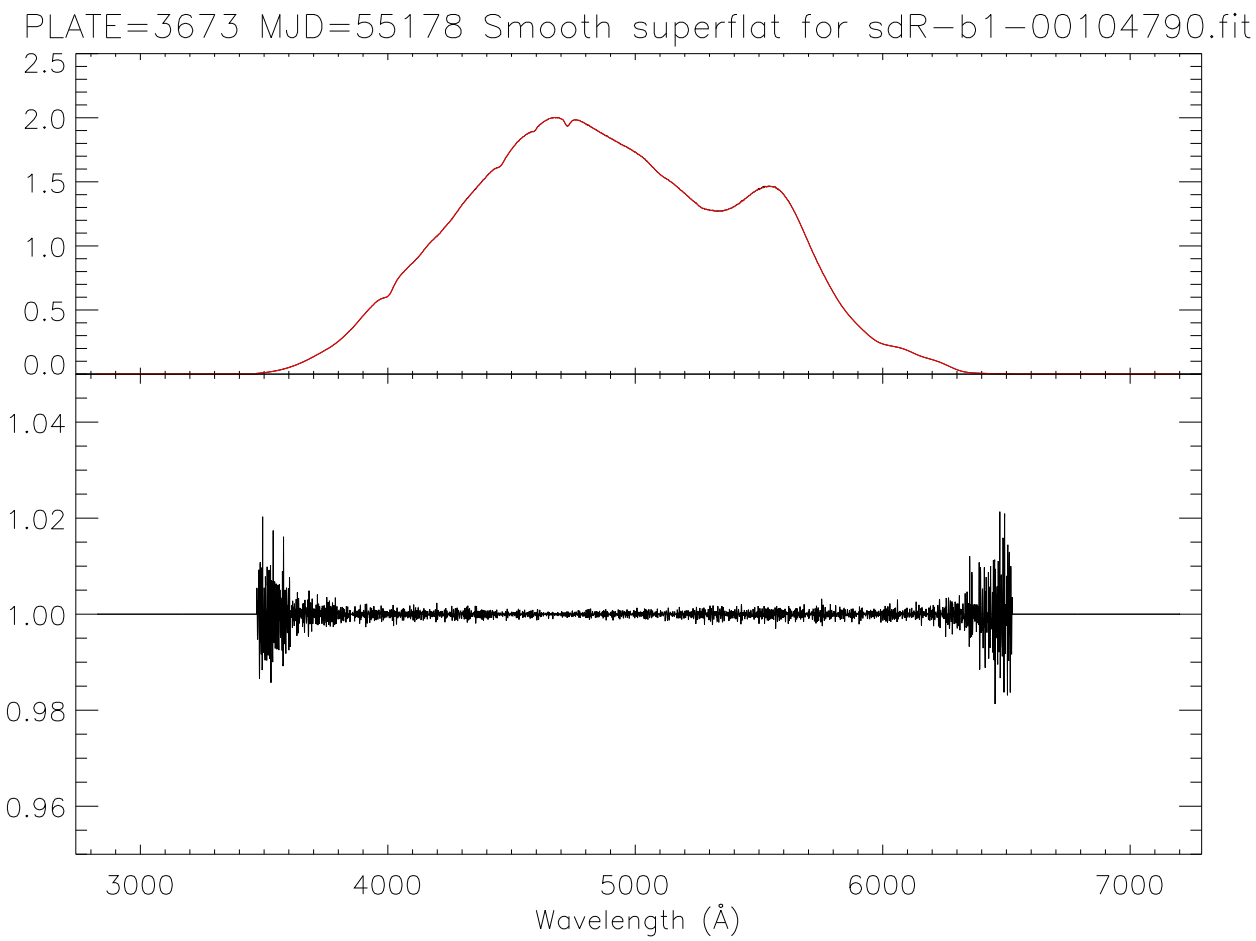

PLATE=3673 MJD=55178 Superflat sdR-b1-00104799.fit
RED = Superflat fit to central fiber
BLACK = 2.3 15.8 50.0 84.2 97.7 percentiles
Normalized flux
0.0
0.5
1.0
1.5
2.0
3500
4000
4500
5000
5500
6000
6500
λ [A]

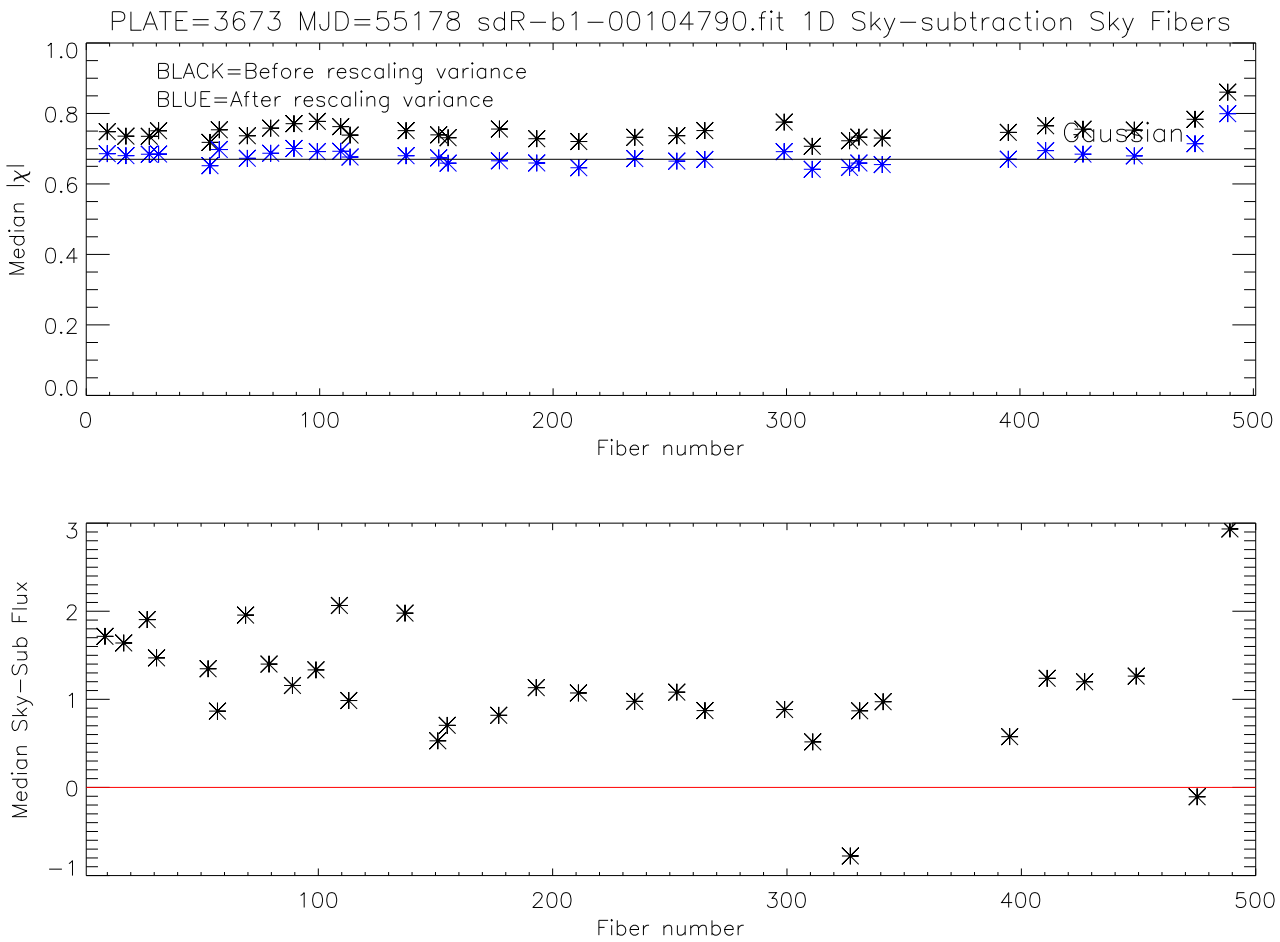

PLATE=3673 MJD=55178 Arcline Fit for sdR-b1-00104795.fit
Fiber Number
500
400
300
200
100
0
3000
4000
5000
6000
7000
λ [A] + 300 * Deviation
Ncoeff = 6
Deviation [pix]
0.15
0.10
0.05
−0.00
−0.05
−0.10
−0.15
3000
4000
5000
6000
7000
λ [A]
Sat Aug 27 16:27:18 2011

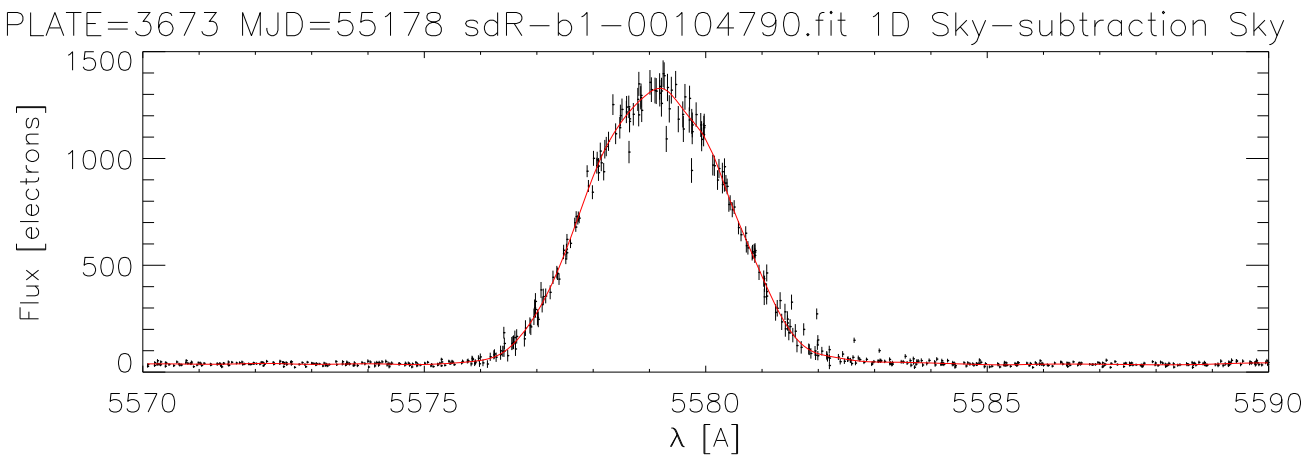

PLATE=3673 MJD=55178 Fiber-Flats for sdR-b1-00104794.fit
BLACK = Median value
ENVELOPE = 95% of points
GREEN = Outlier points
Min value = -2.170
Max value = 10.450
Fiber-Flat
1.5
1.0
0.5
0.0
3000
4000
5000
6000
7000
λ [A]
Sat Aug 27 16:27:43 2011

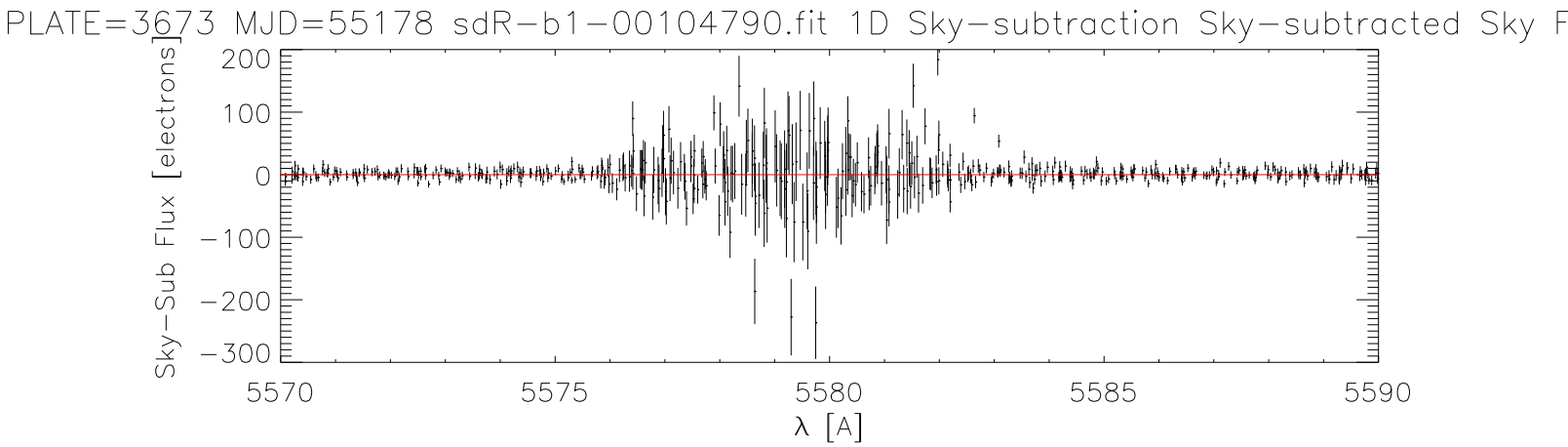

PLATE=3673 MJD=55178 Extraction chi^2 for sdR−b1−00104790.fit
BLACK = Final chisq extraction
χ^2
0.0
0.5
1.0
1.5
0
1000
2000
3000
4000
Row number


PLATE=3673 MJD=55178 Sky Line Deviations for sdR-b1-00104790.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

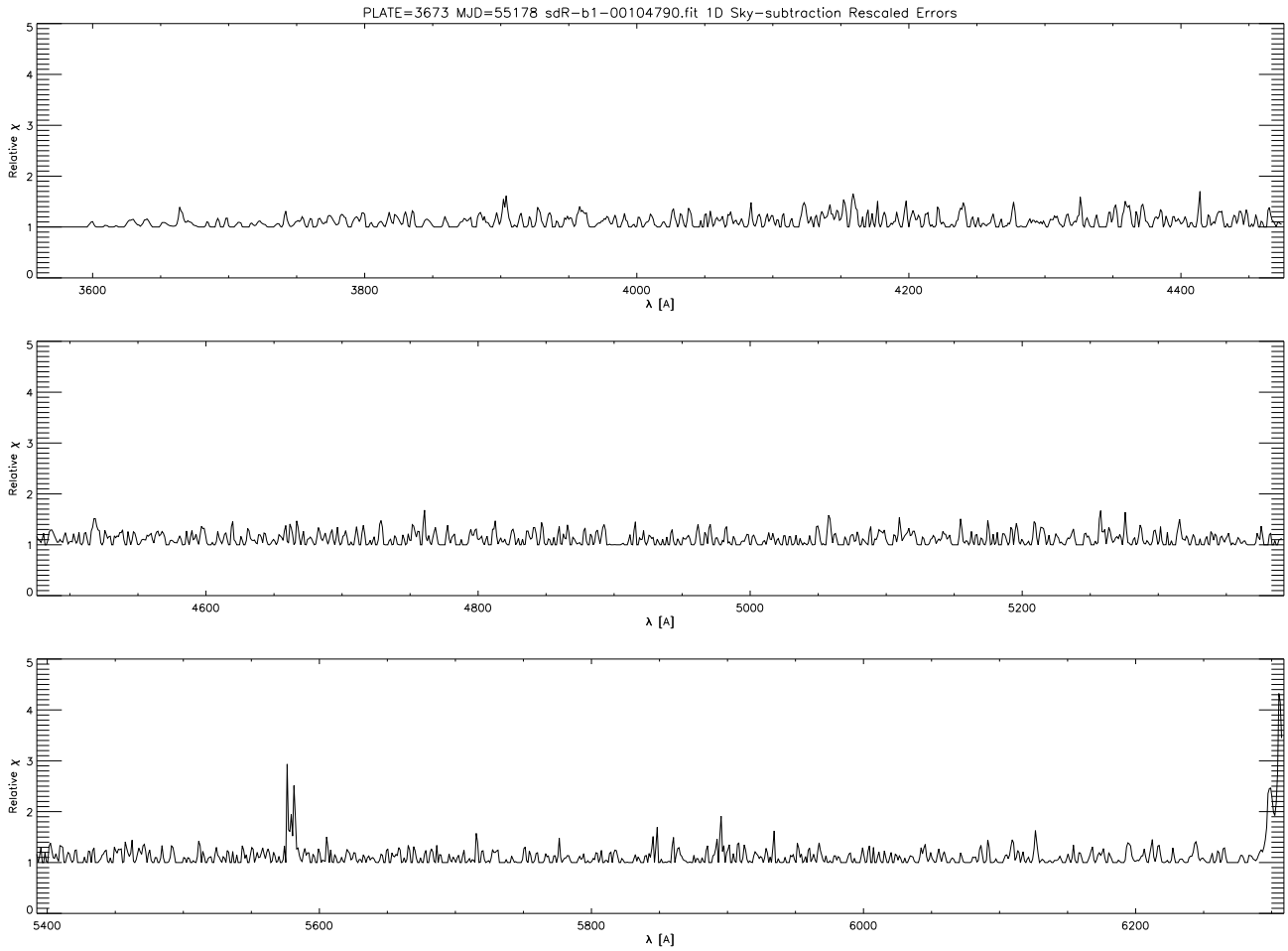

PLATE=3673 MJD=55178 Smooth superflat for sdR-b1-00104790.fit
2.5
2.0
1.5
1.0
0.5
0.0
1.04
1.02
1.00
0.98
0.96
3000
4000
5000
6000
7000
Wavelength (Å)

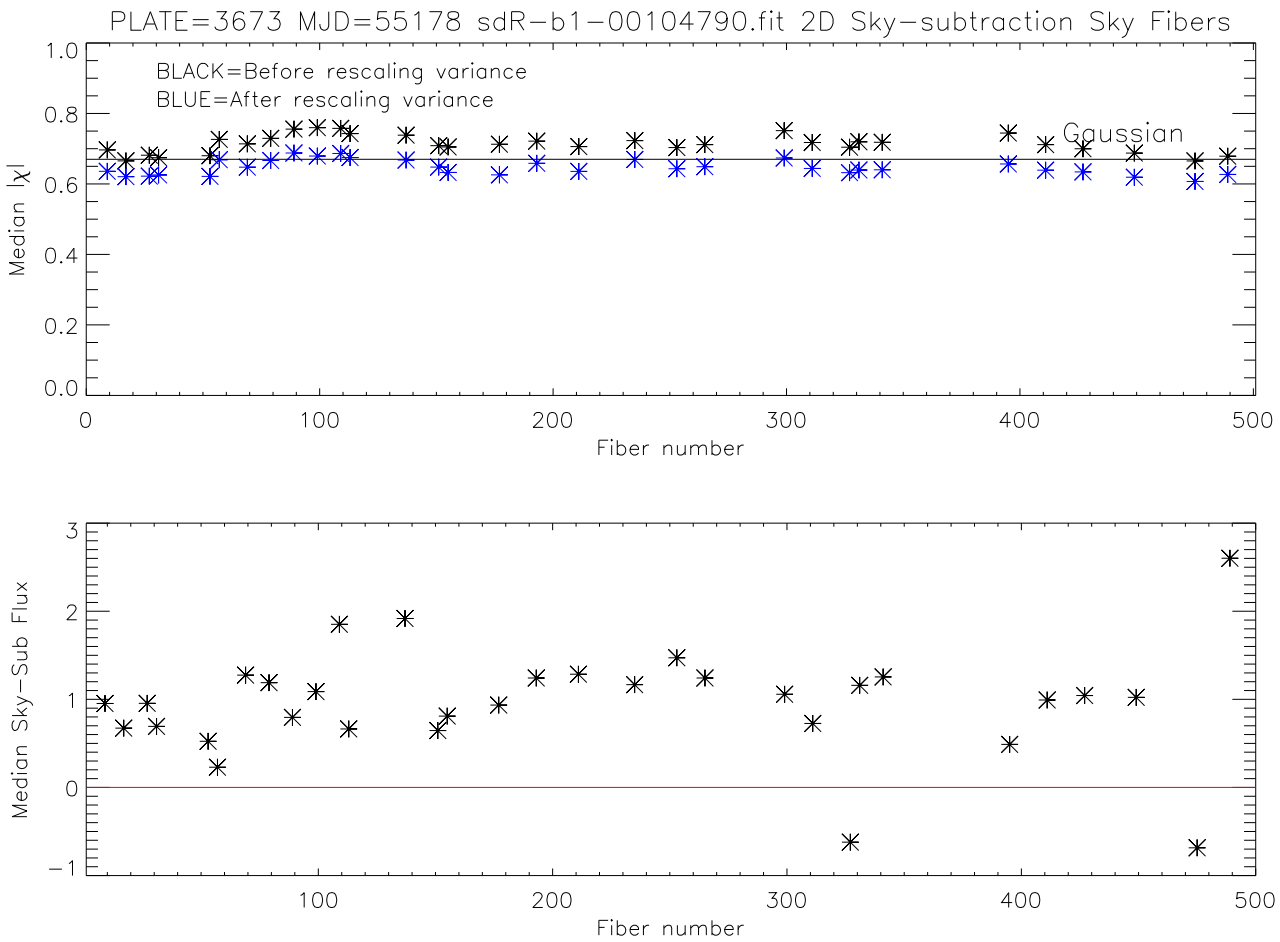

PLATE=3673 MJD=55178 sdR-b1-00104790.fit 1D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

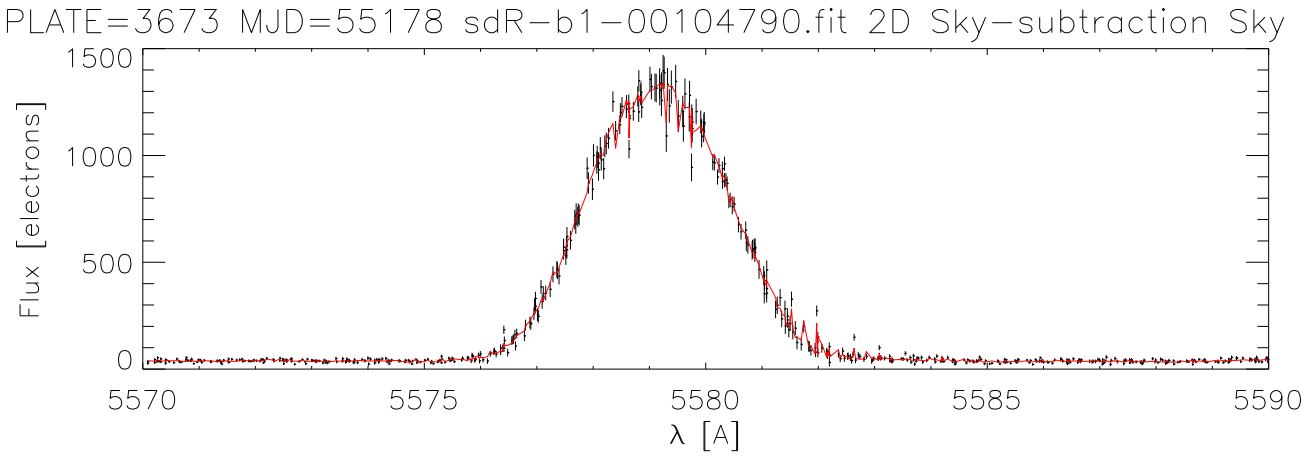

PLATE=3673 MJD=55178 sdR-b1-00104790.fit 1D Sky-subtraction Sky Fibers
Flux [electrons]
1500
1000
500
0
5570
5575
5580
5585
5590
λ [A]

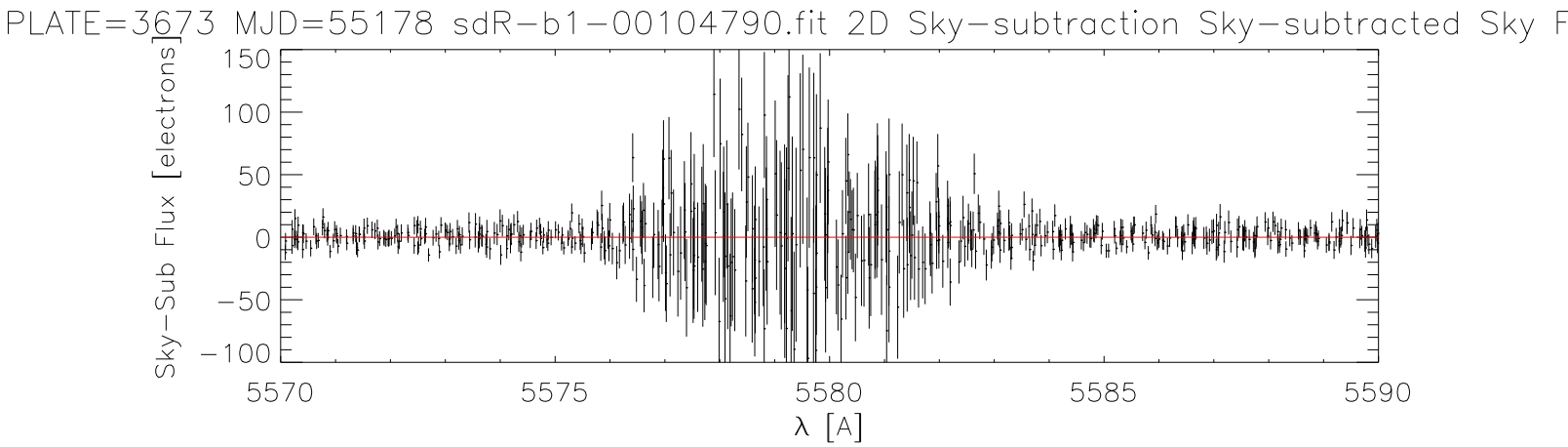

PLATE=3673 MJD=55178 sdR-b1-00104790.fit 1D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
200
100
0
-100
-200
-300
5570
5575
5580
5585
5590
λ [A]

Number of sky fibers = 32

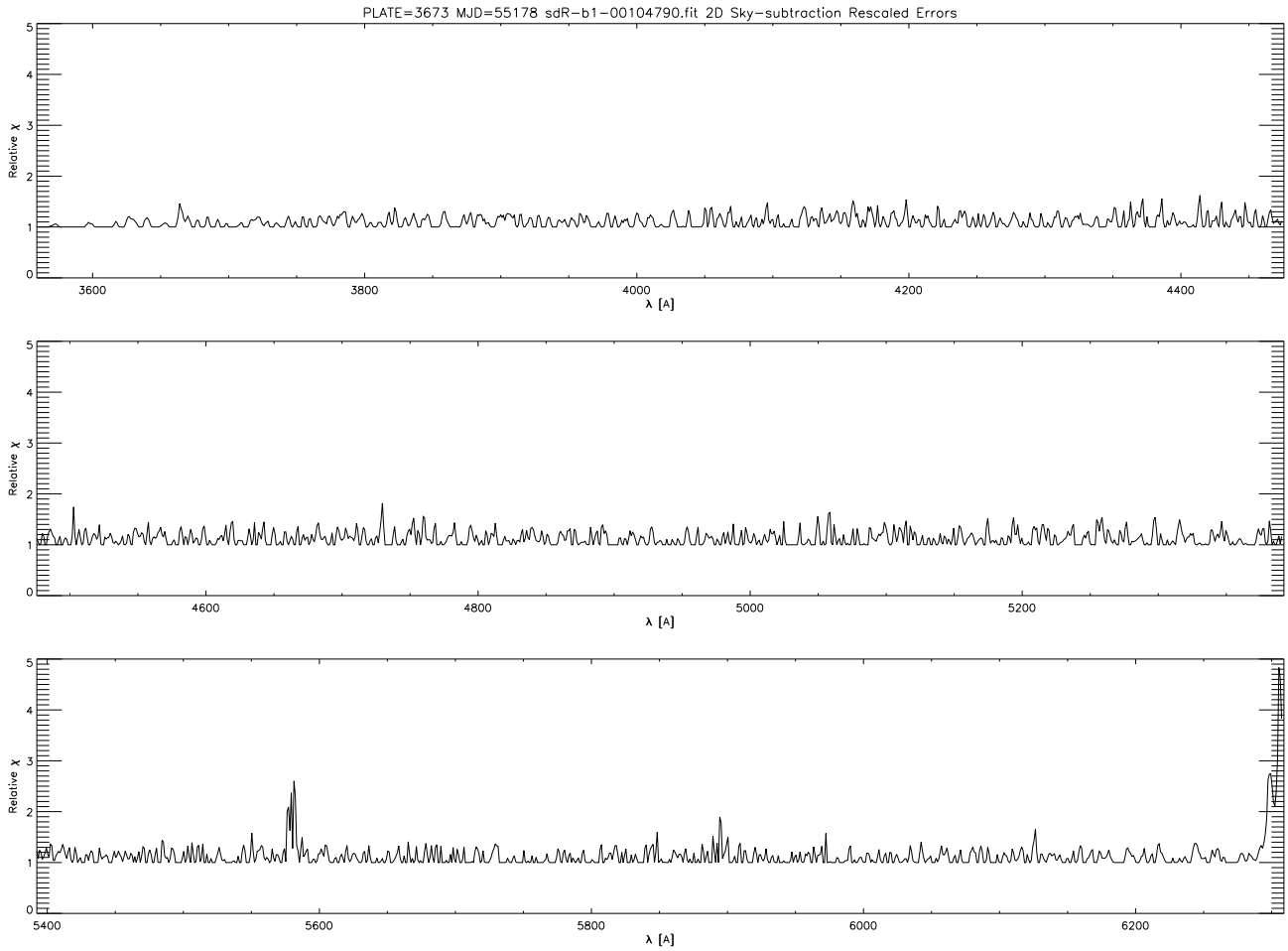


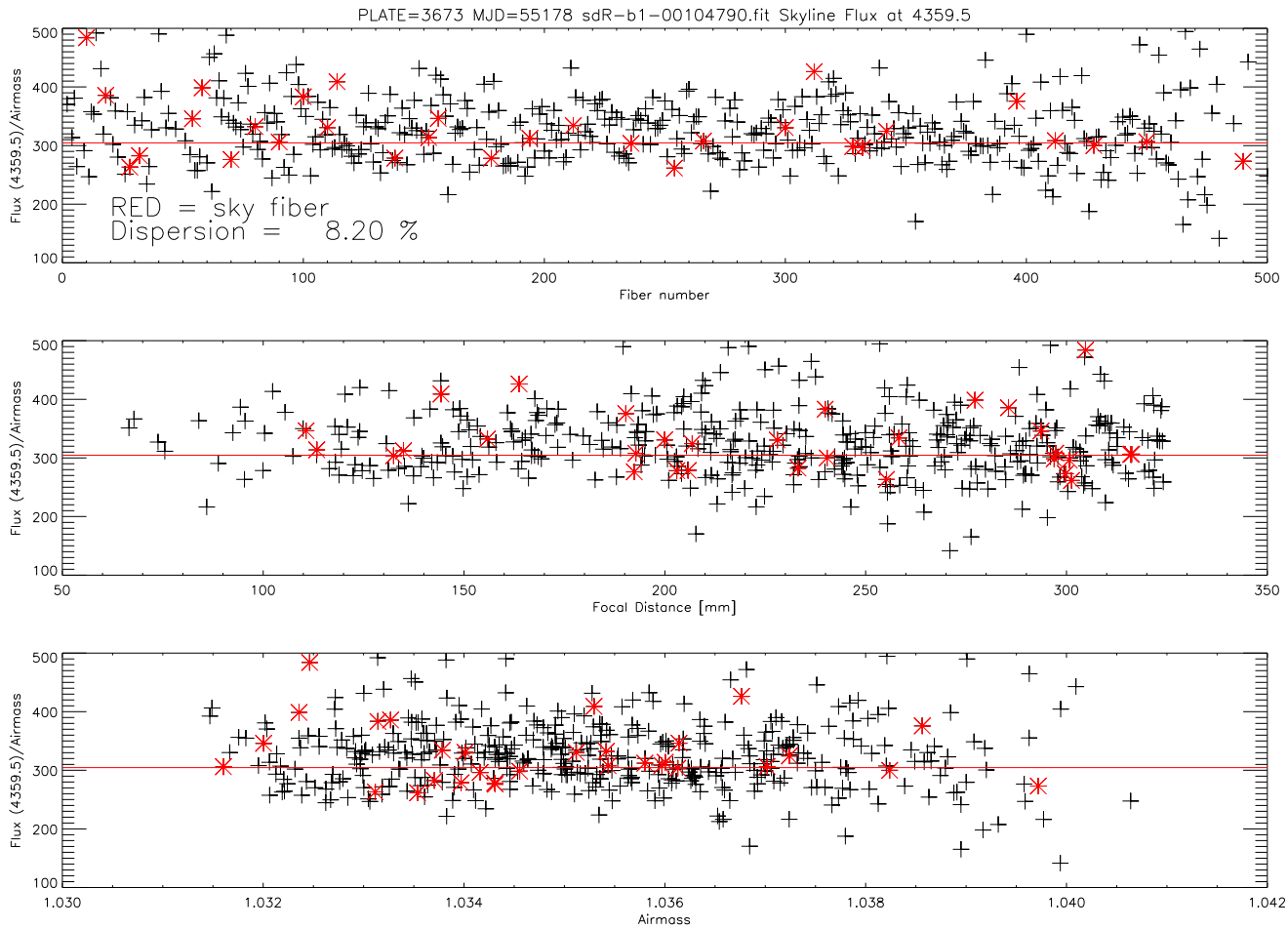

PLATE=3673 MJD=55178 sdR-b1-00104790.fit 2D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

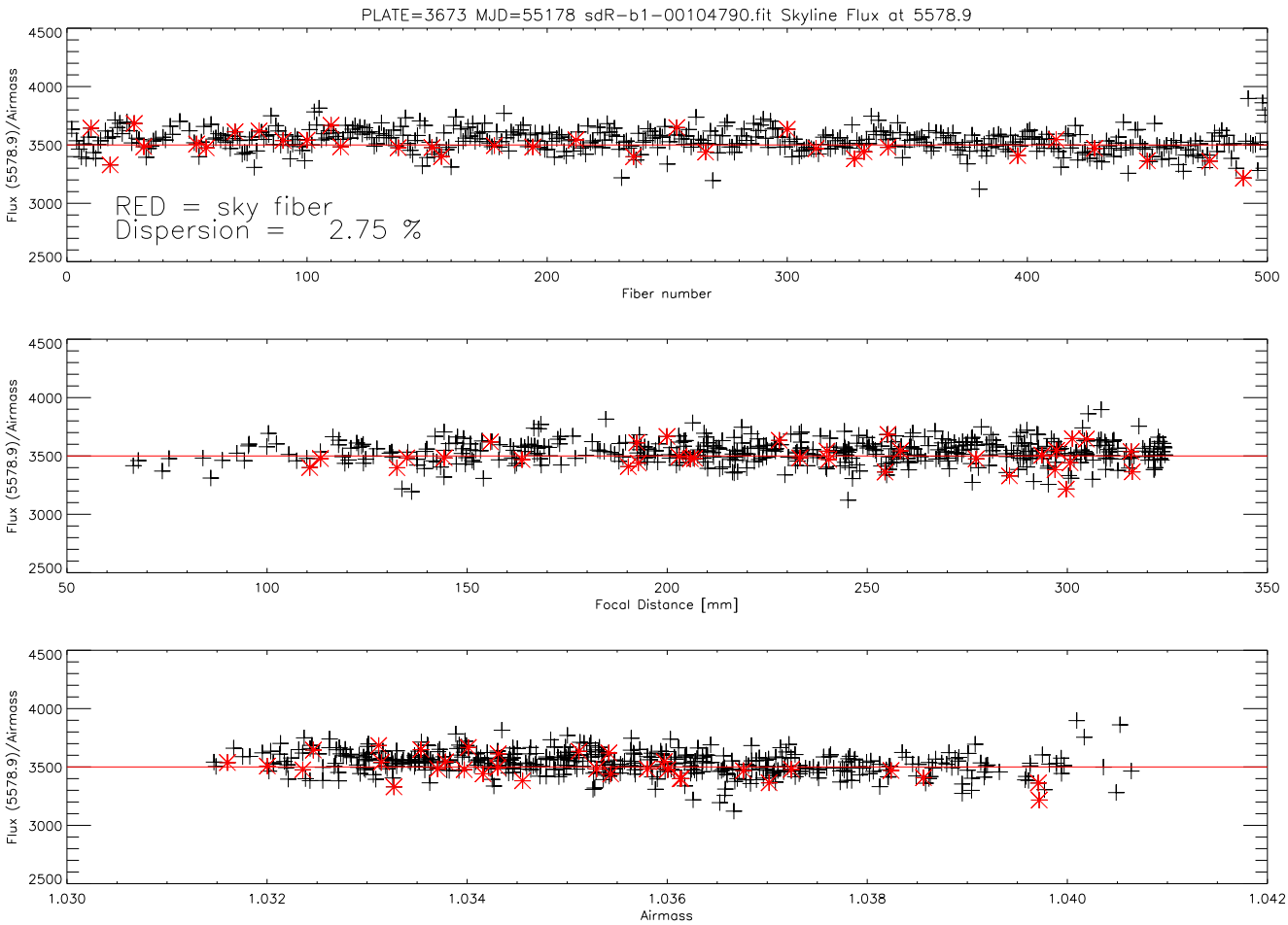

PLATE=3673 MJD=55178 sdR-b1-00104790.fit 2D Sky-subtraction Sky Fibers
Flux [electrons]
1500
1000
500
0
5570
5575
5580
5585
5590
λ [A]

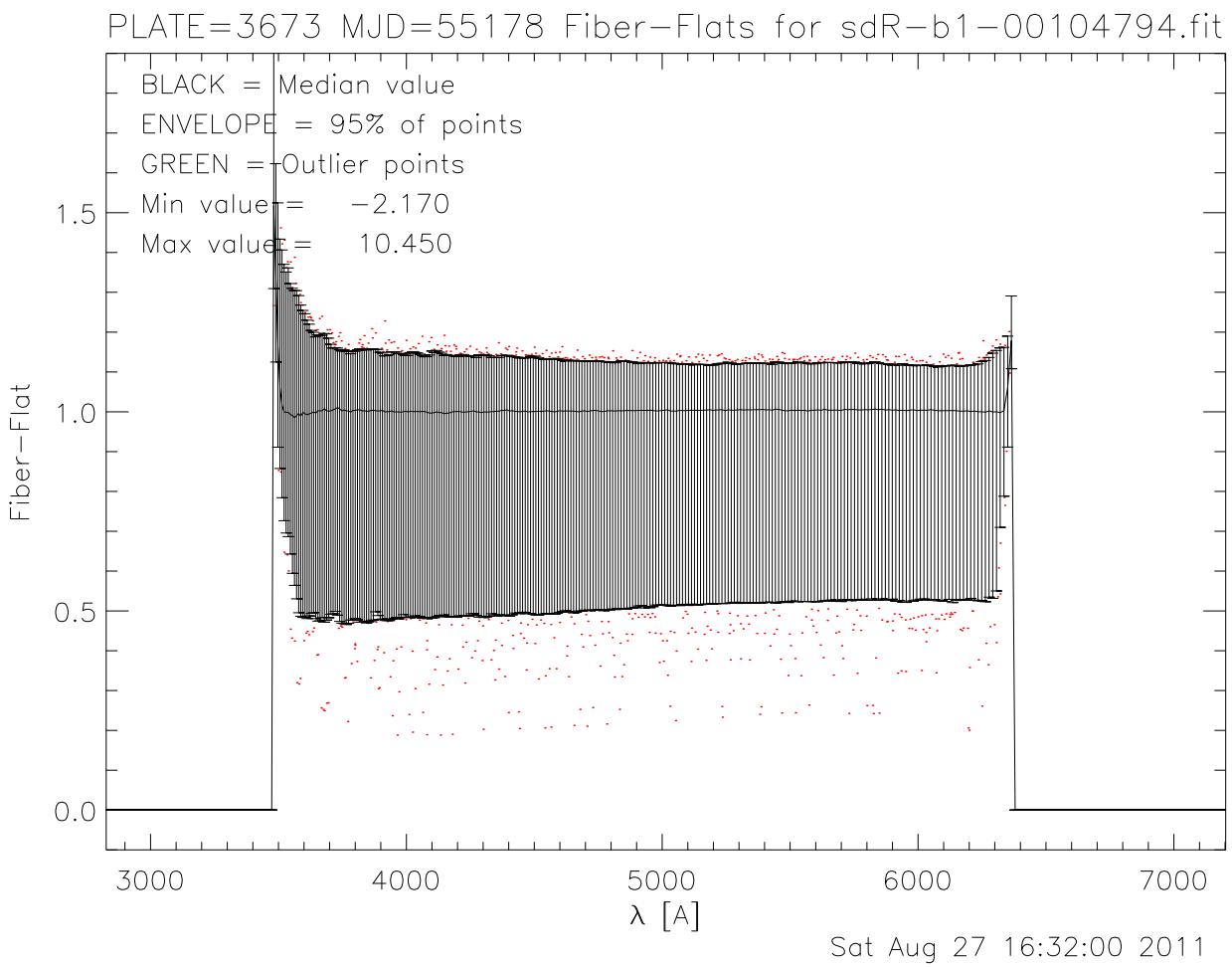

PLATE=3673 MJD=55178 sdR-b1-00104790.fit 2D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
150
100
50
0
−50
−100
5570
5575
5580
5585
5590
λ [A]

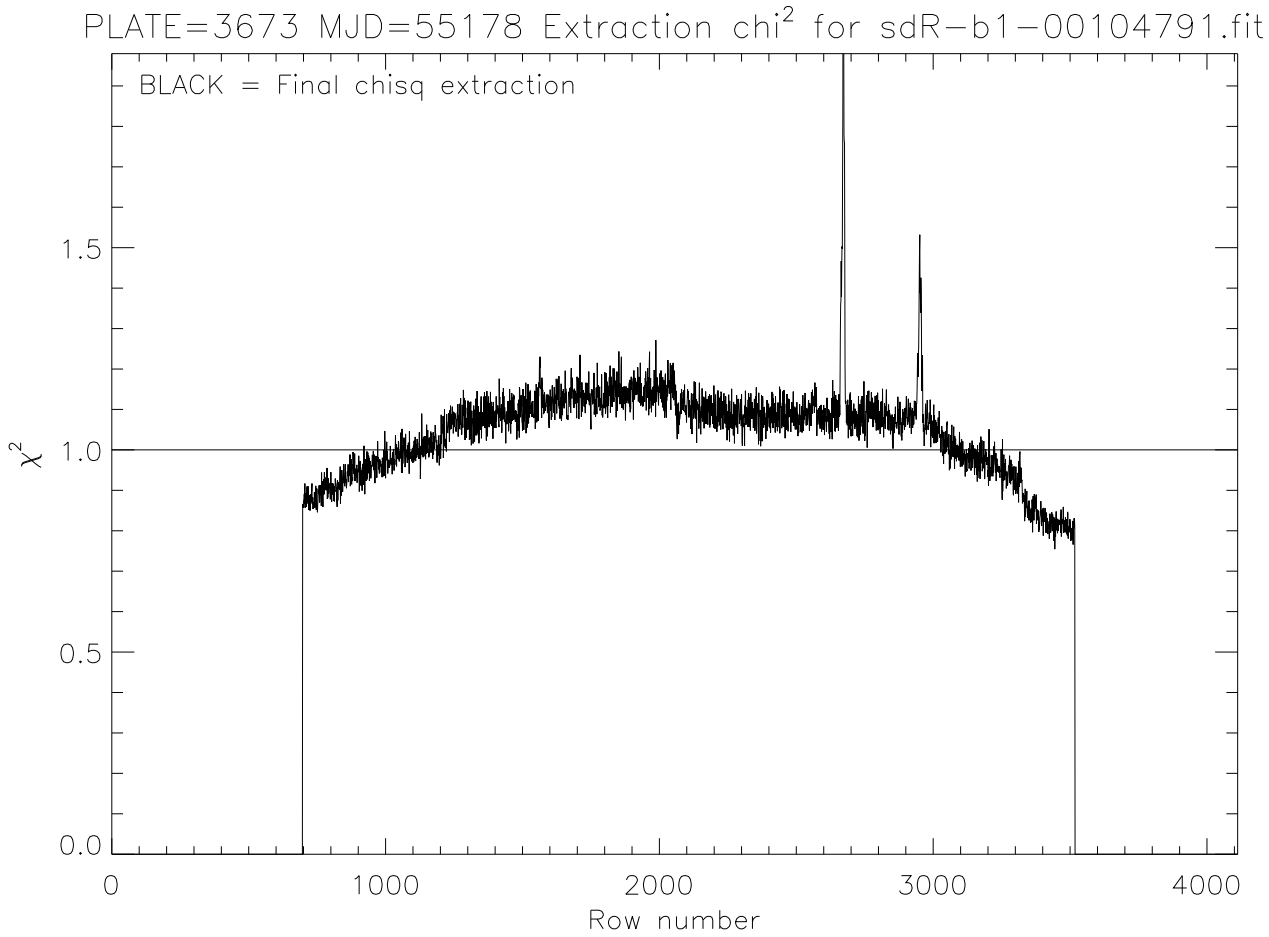
Number of sky fibers = 32

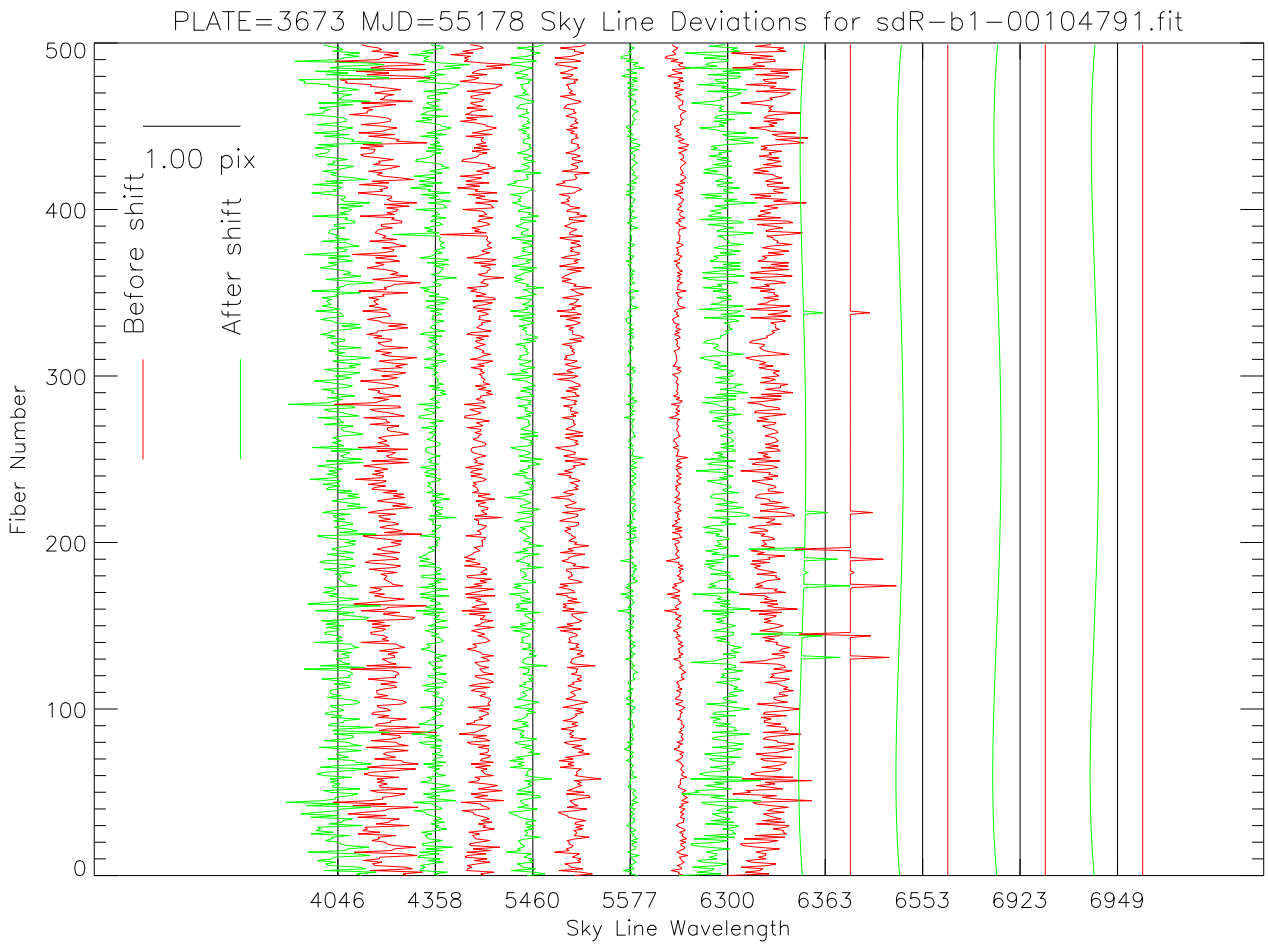


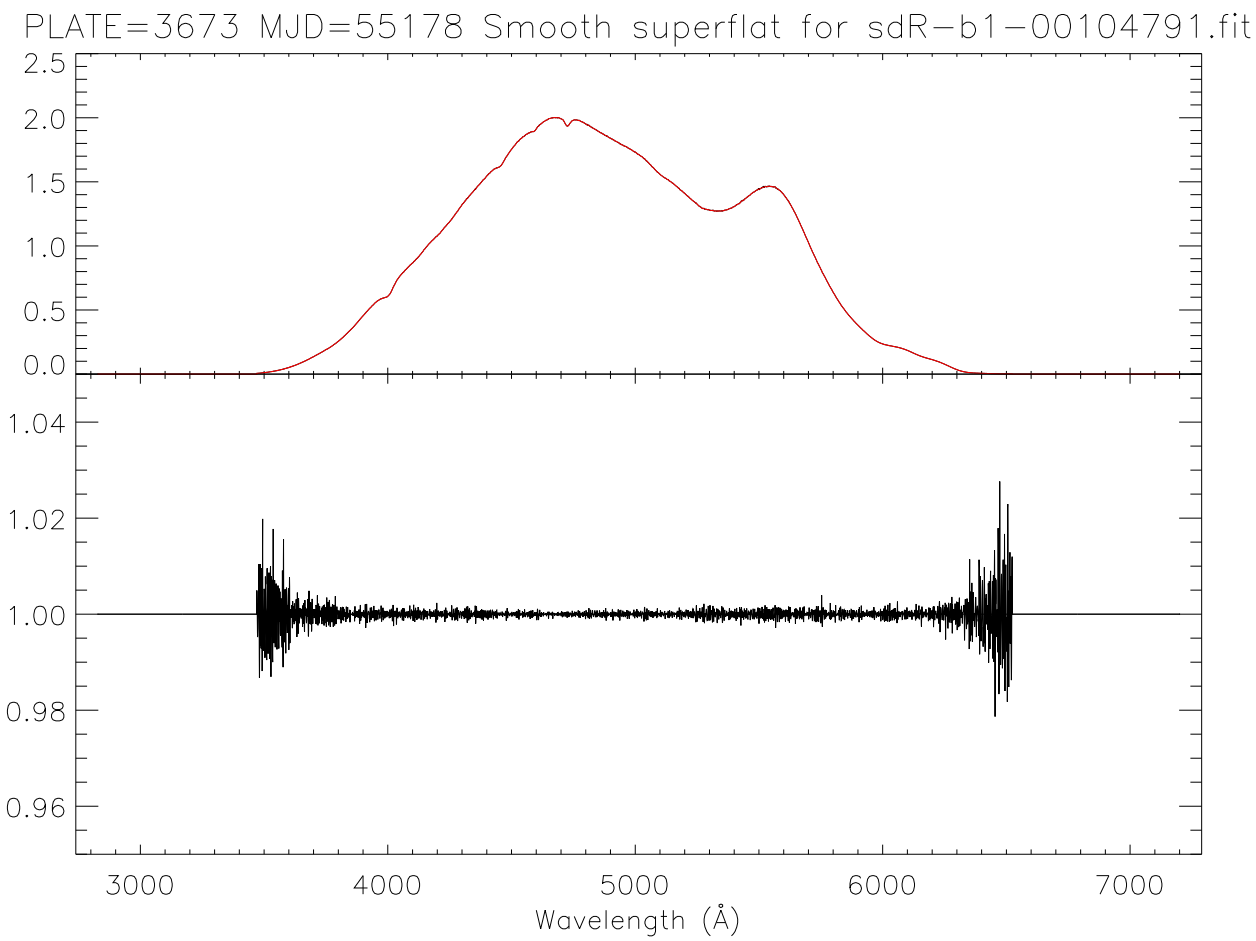

PLATE=3673 MJD=55178 sdR-b1-00104790.fit Skyline Flux at 4359.5
Flux (4359.5)/Airmass
RED = sky fiber
Dispersion = 8.20 %
Fiber number
Focal Distance [mm]
Airmass

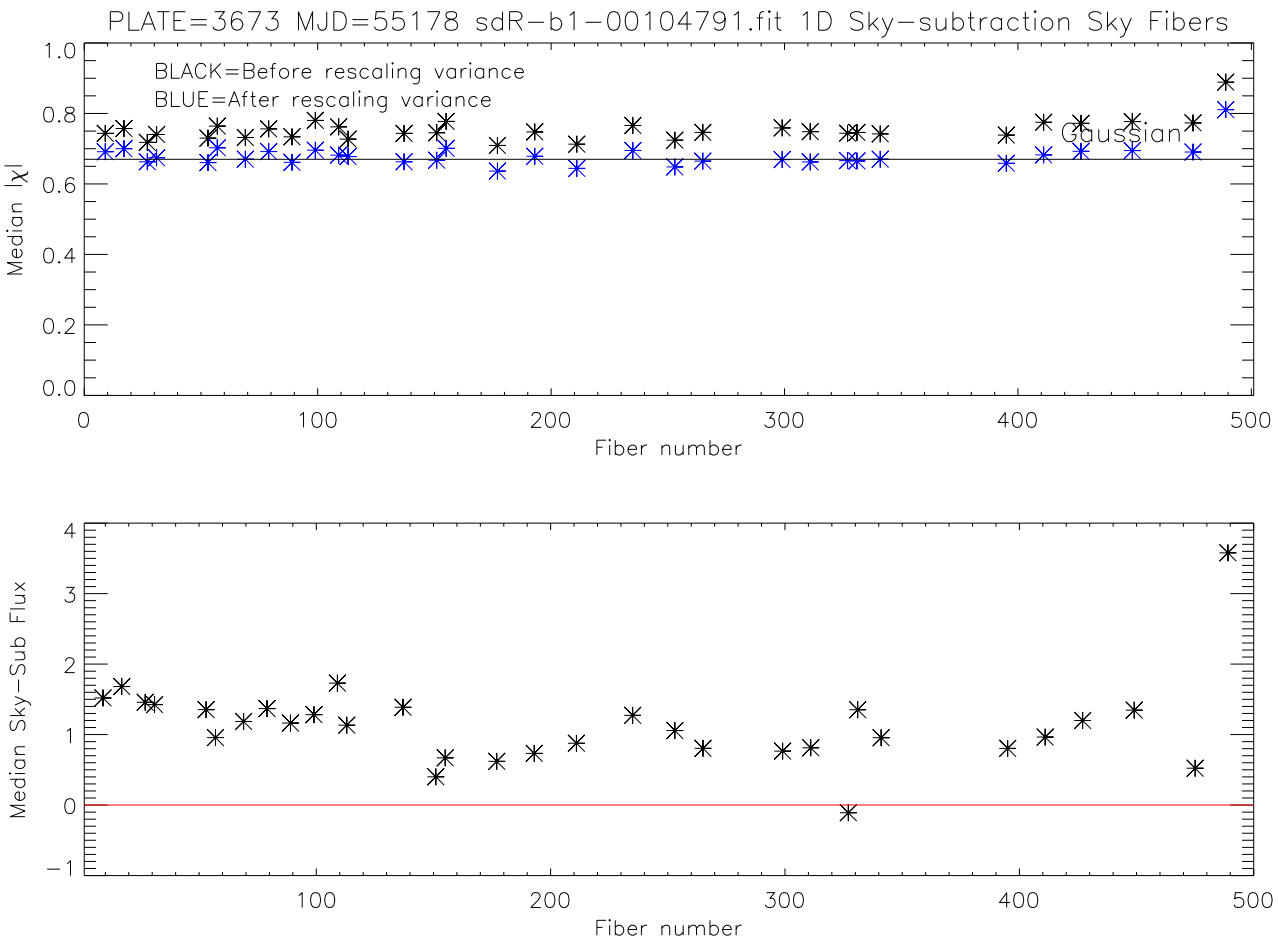

PLATE=3673 MJD=55178 sdR-b1-00104790.fit Skyline Flux at 5578.9
Flux (5578.9)/Airmass
RED = sky fiber
Dispersion = 2.75 %
Fiber number
Focal Distance [mm]
Airmass

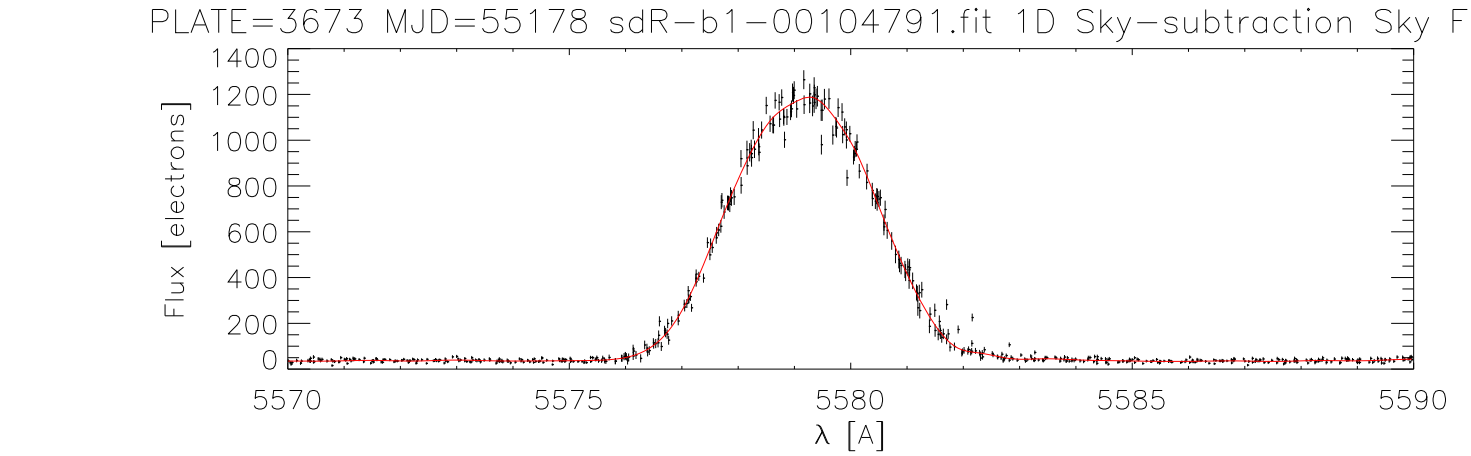

PLATE=3673 MJD=55178 Fiber-Flats for sdR-b1-00104794.fit
BLACK = Median value
ENVELOPE = 95% of points
GREEN = Outlier points
Min value = -2.170
Max value = 10.450
Fiber-Flat
1.5
1.0
0.5
0.0
3000
4000
5000
6000
7000
λ [A]
Sat Aug 27 16:32:00 2011

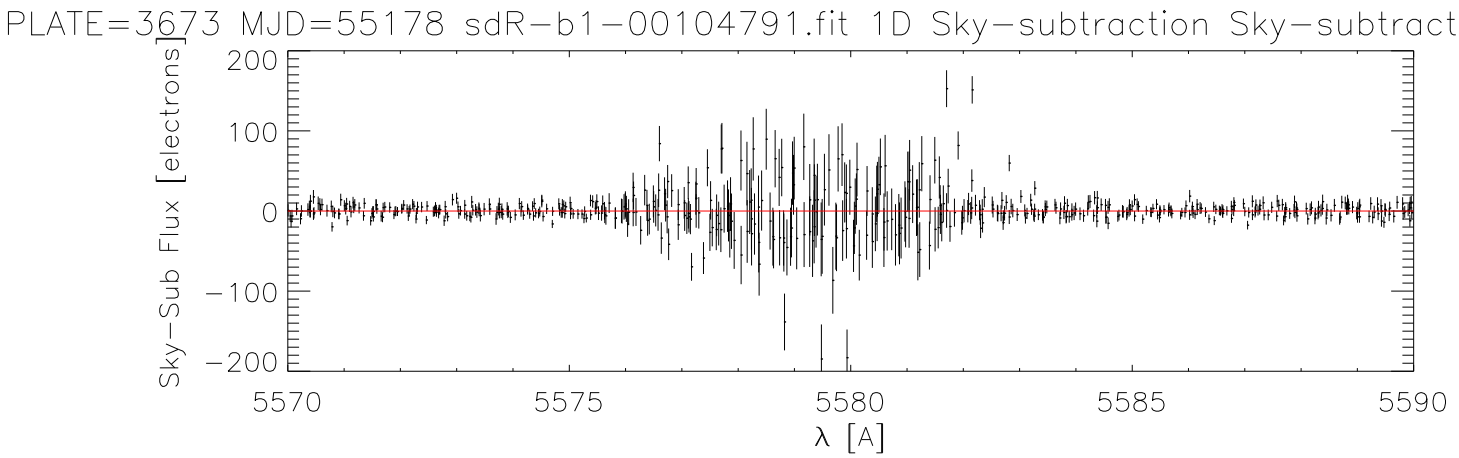

PLATE=3673 MJD=55178 Extraction chi^2 for sdR−b1−00104791.fit
BLACK = Final chisq extraction
χ^2
0.0
0.5
1.0
1.5
0
1000
2000
3000
4000
Row number


PLATE=3673 MJD=55178 Sky Line Deviations for sdR-b1-00104791.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

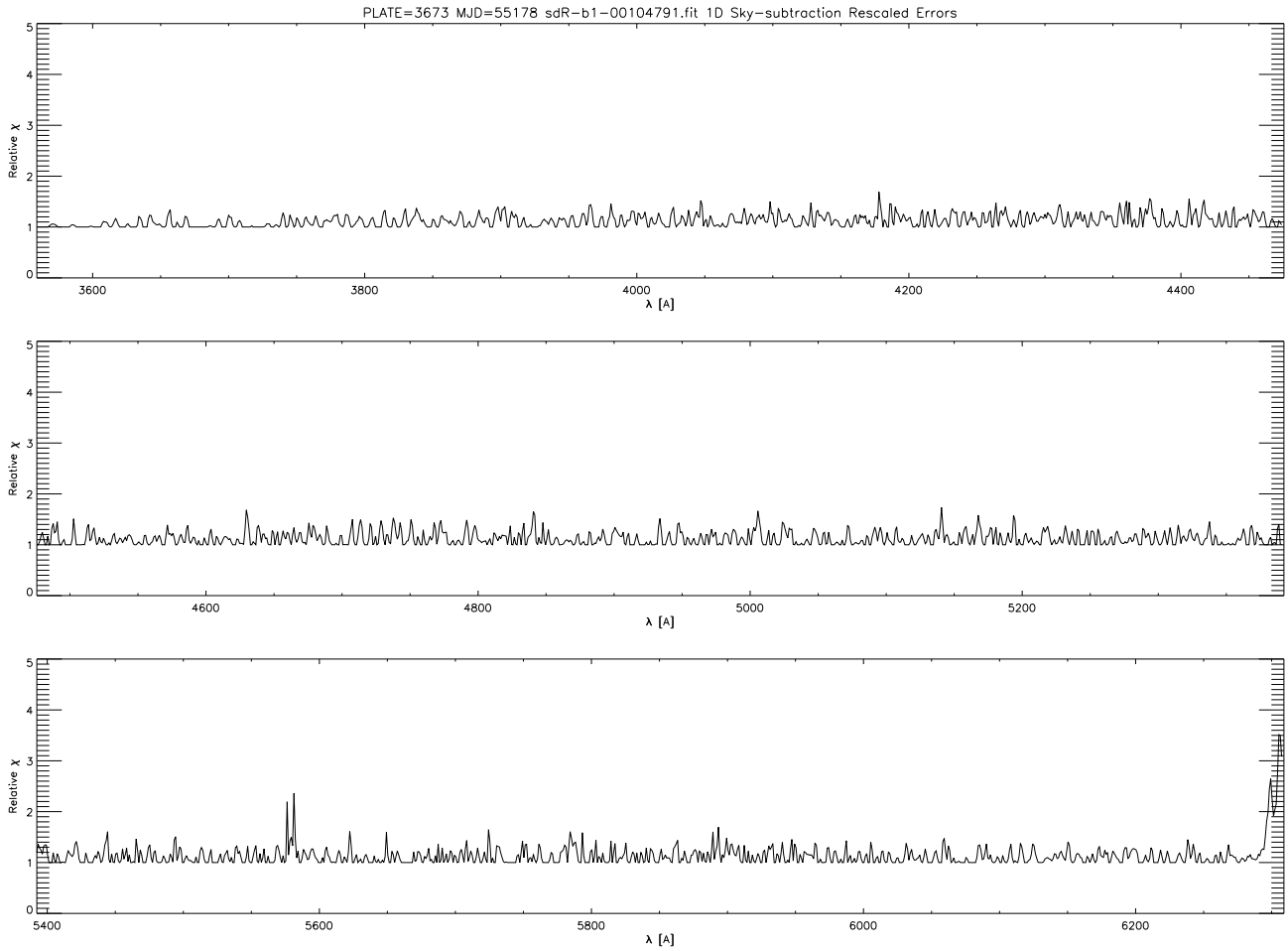

PLATE=3673 MJD=55178 Smooth superflat for sdR-b1-00104791.fit
2.5
2.0
1.5
1.0
0.5
0.0
1.04
1.02
1.00
0.98
0.96
3000
4000
5000
6000
7000
Wavelength (Å)

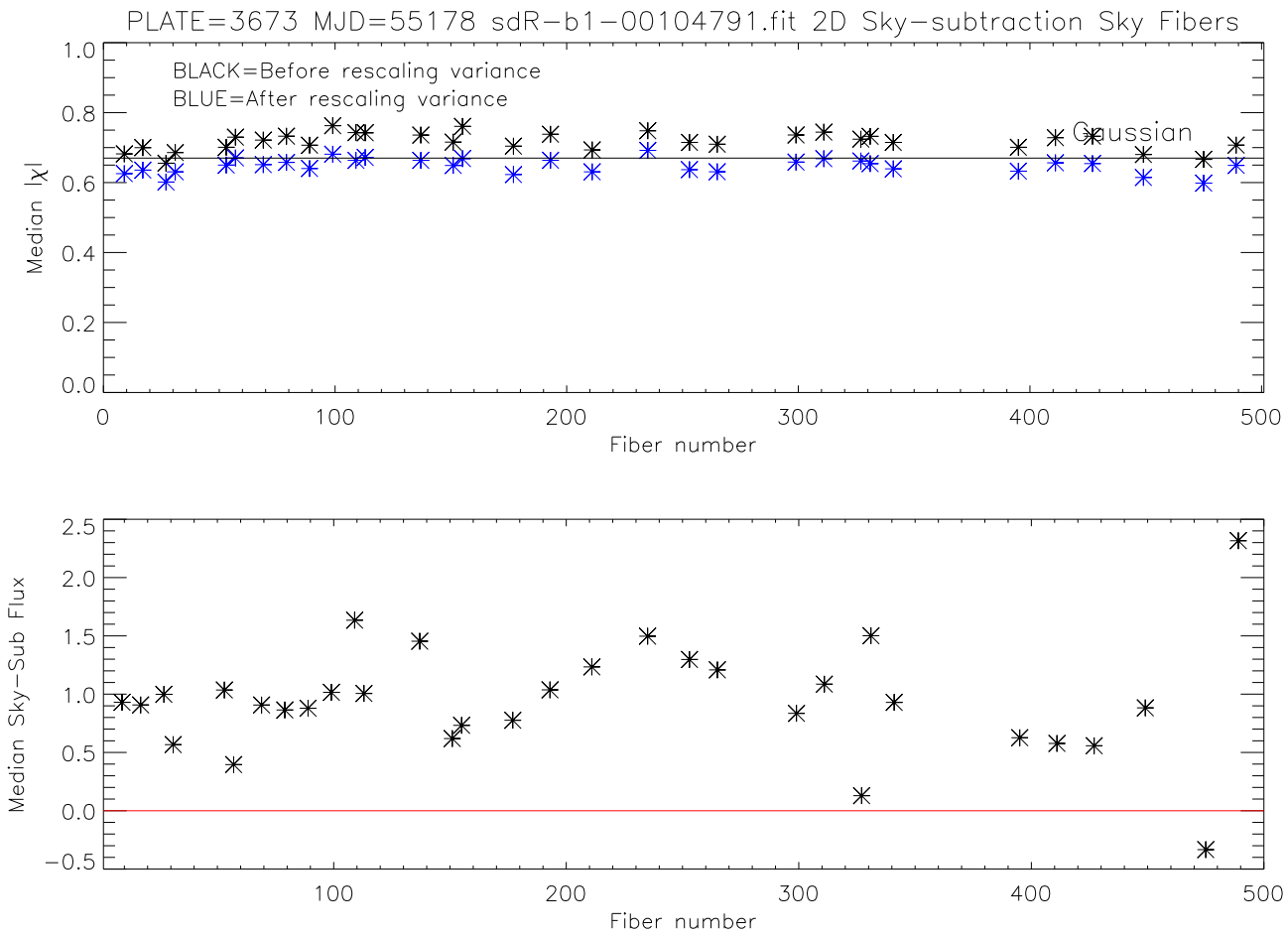

PLATE=3673 MJD=55178 sdR-b1-00104791.fit 1D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

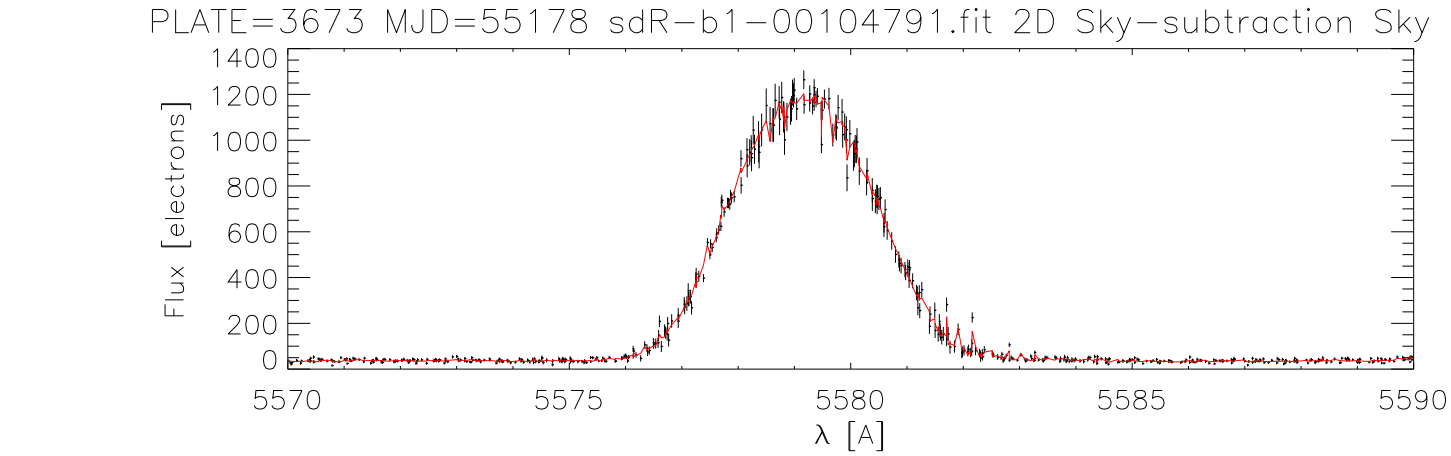

PLATE=3673 MJD=55178 sdR-b1-00104791.fit 1D Sky-subtraction Sky Fibers
Flux [electrons]
1400
1200
1000
800
600
400
200
0
5570
5575
5580
5585
5590
λ [A]

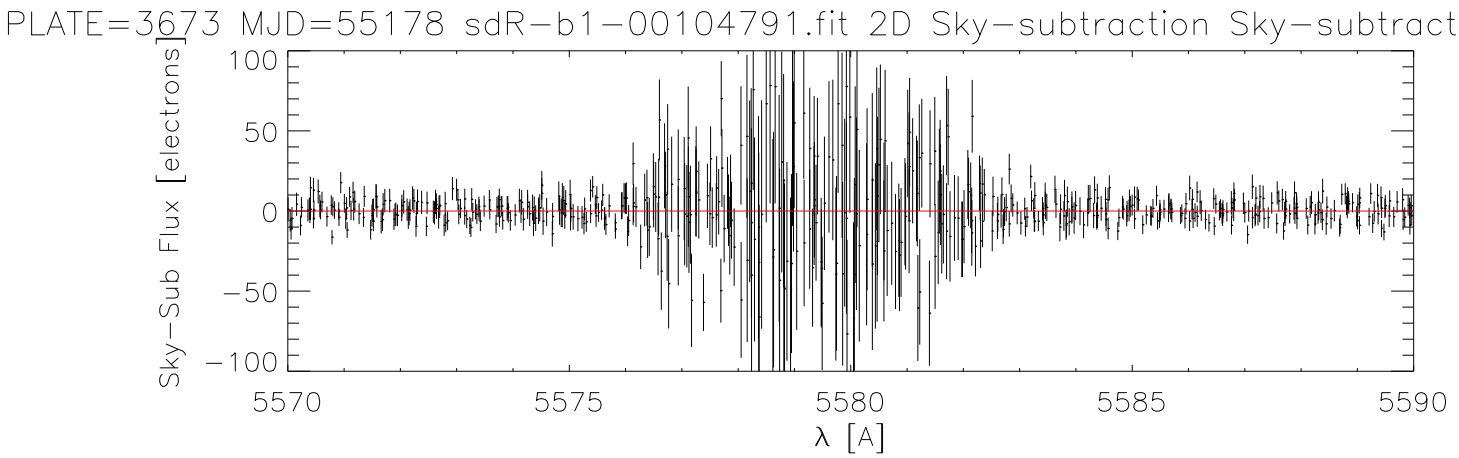

PLATE=3673 MJD=55178 sdR-b1-00104791.fit 1D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
200
100
0
-100
-200
5570
5575
5580
5585
5590
λ [A]

Number of sky fibers = 32

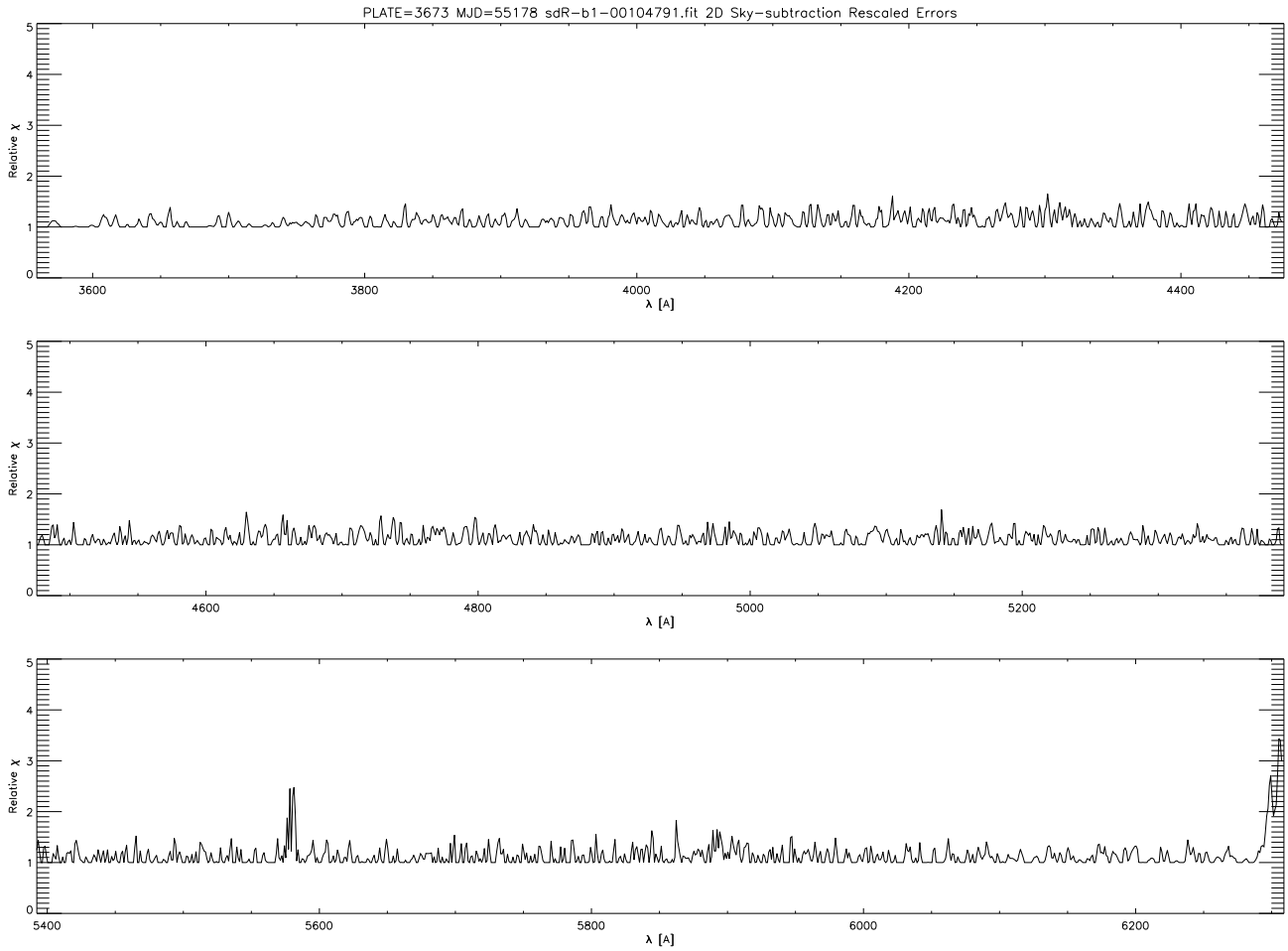


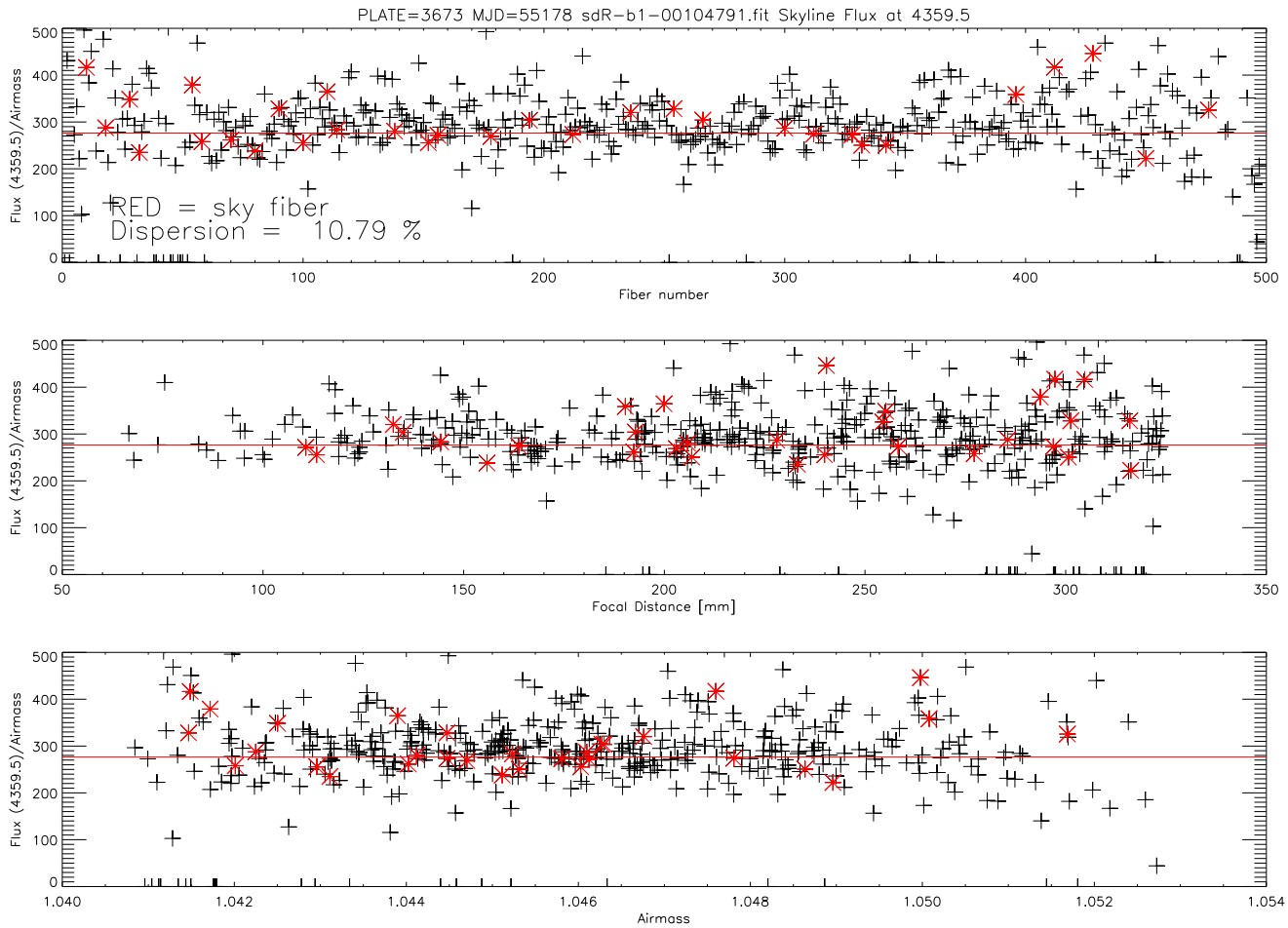

PLATE=3673 MJD=55178 sdR-b1-00104791.fit 2D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

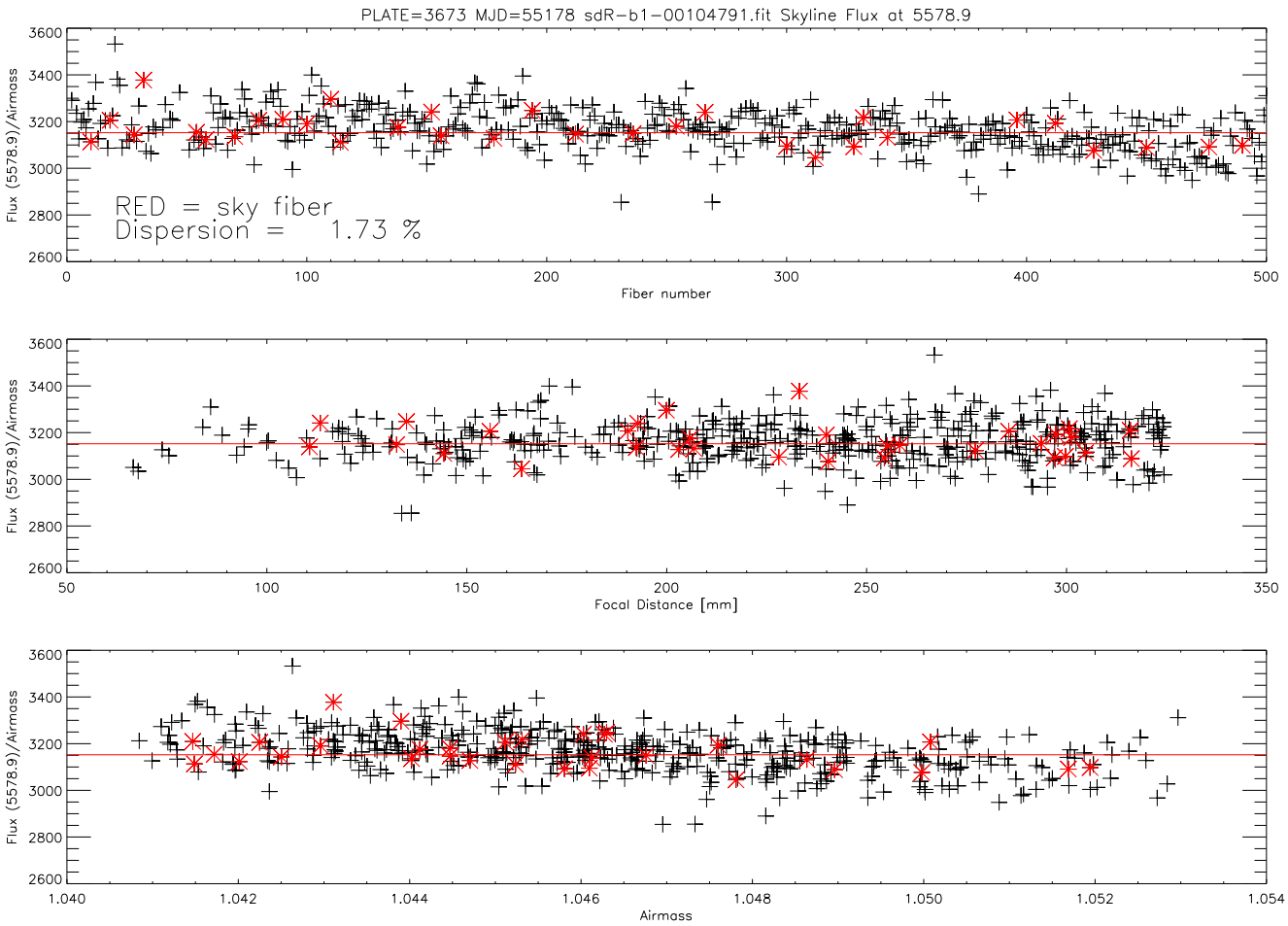

PLATE=3673 MJD=55178 sdR-b1-00104791.fit 2D Sky-subtraction Sky Fibers
Flux [electrons]
1400
1200
1000
800
600
400
200
0
5570
5575
5580
5585
5590
λ [A]

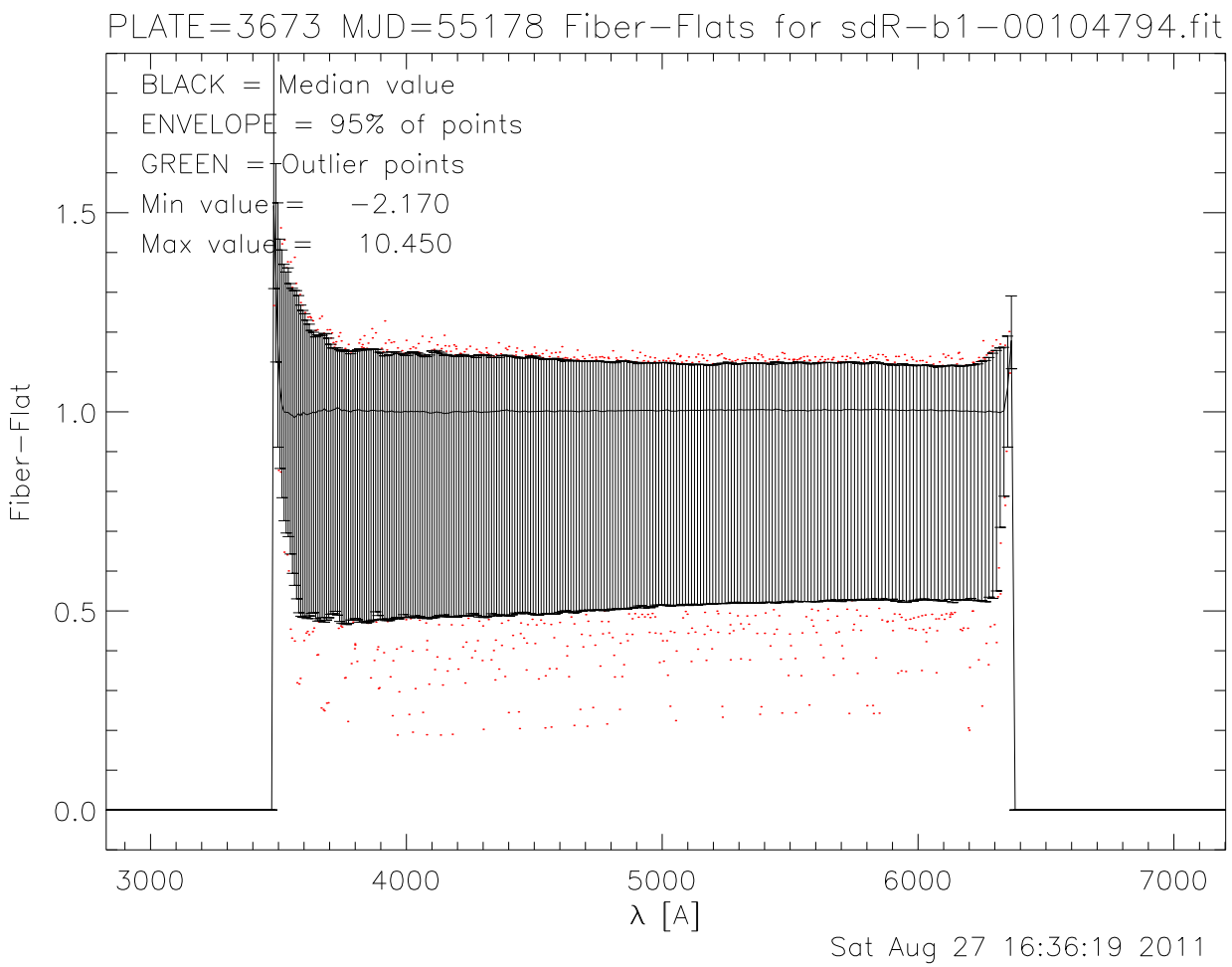

PLATE=3673 MJD=55178 sdR-b1-00104791.fit 2D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
100
50
0
-50
-100
5570
5575
5580
5585
5590
λ [A]

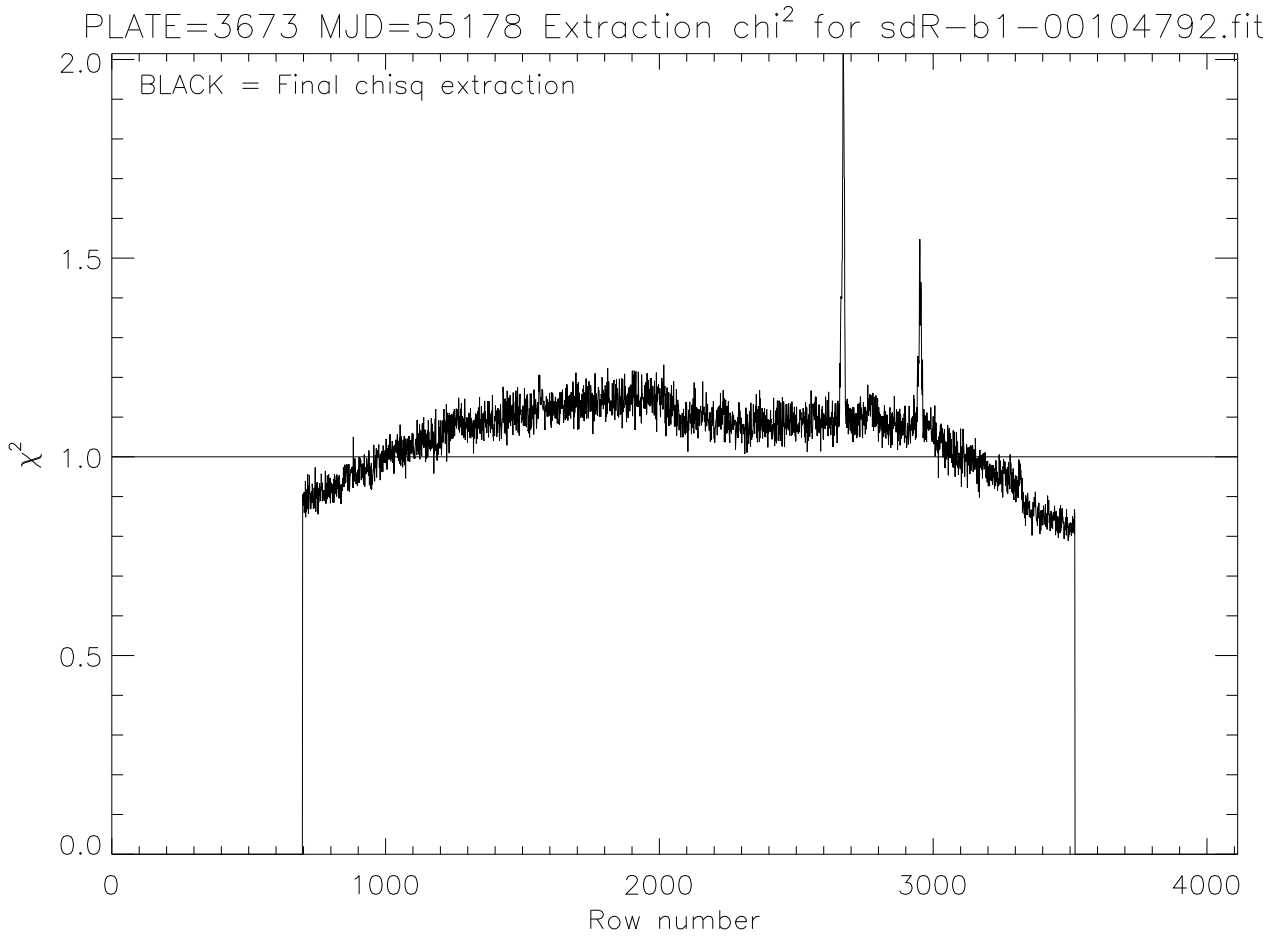
Number of sky fibers = 32

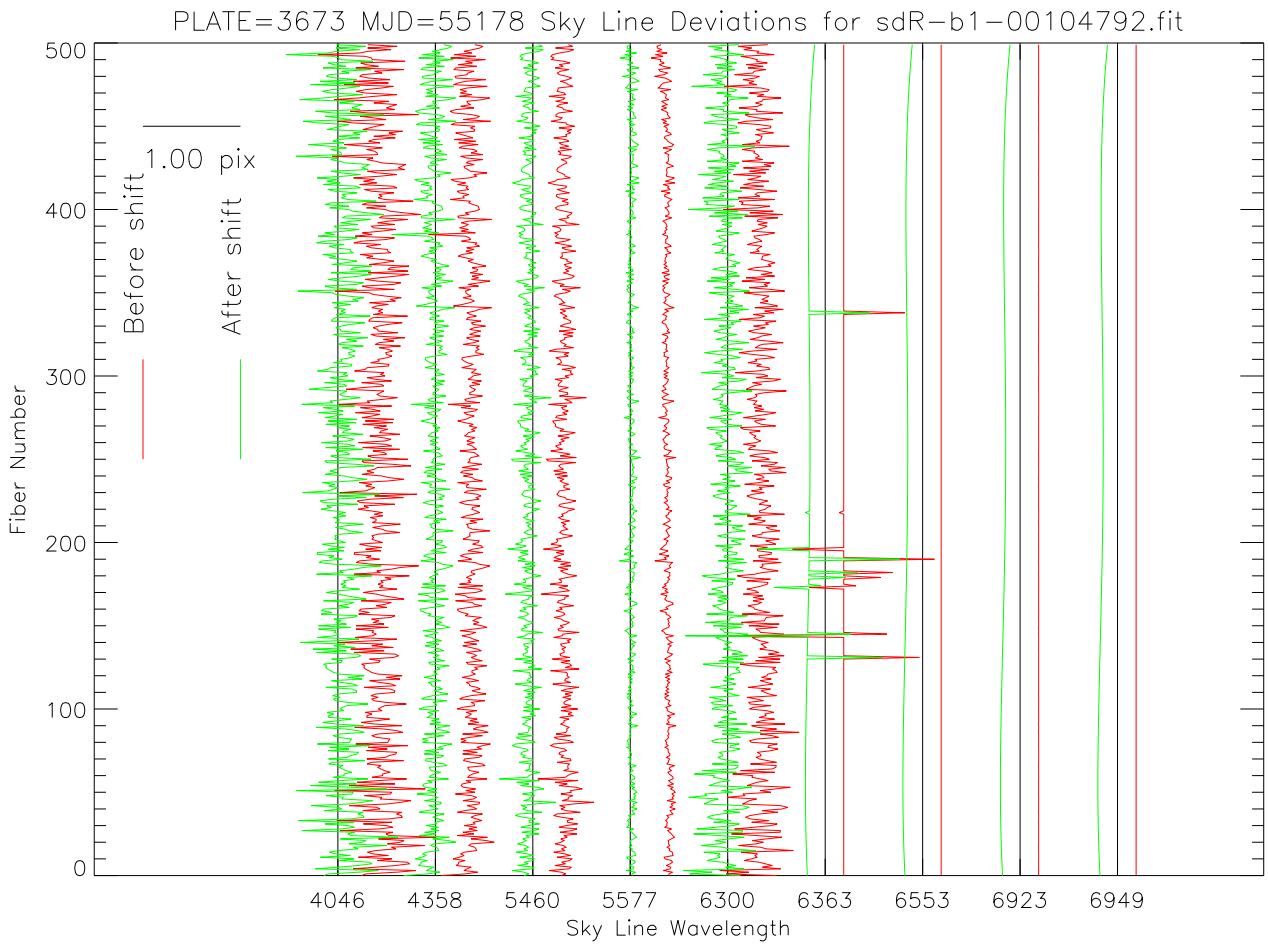


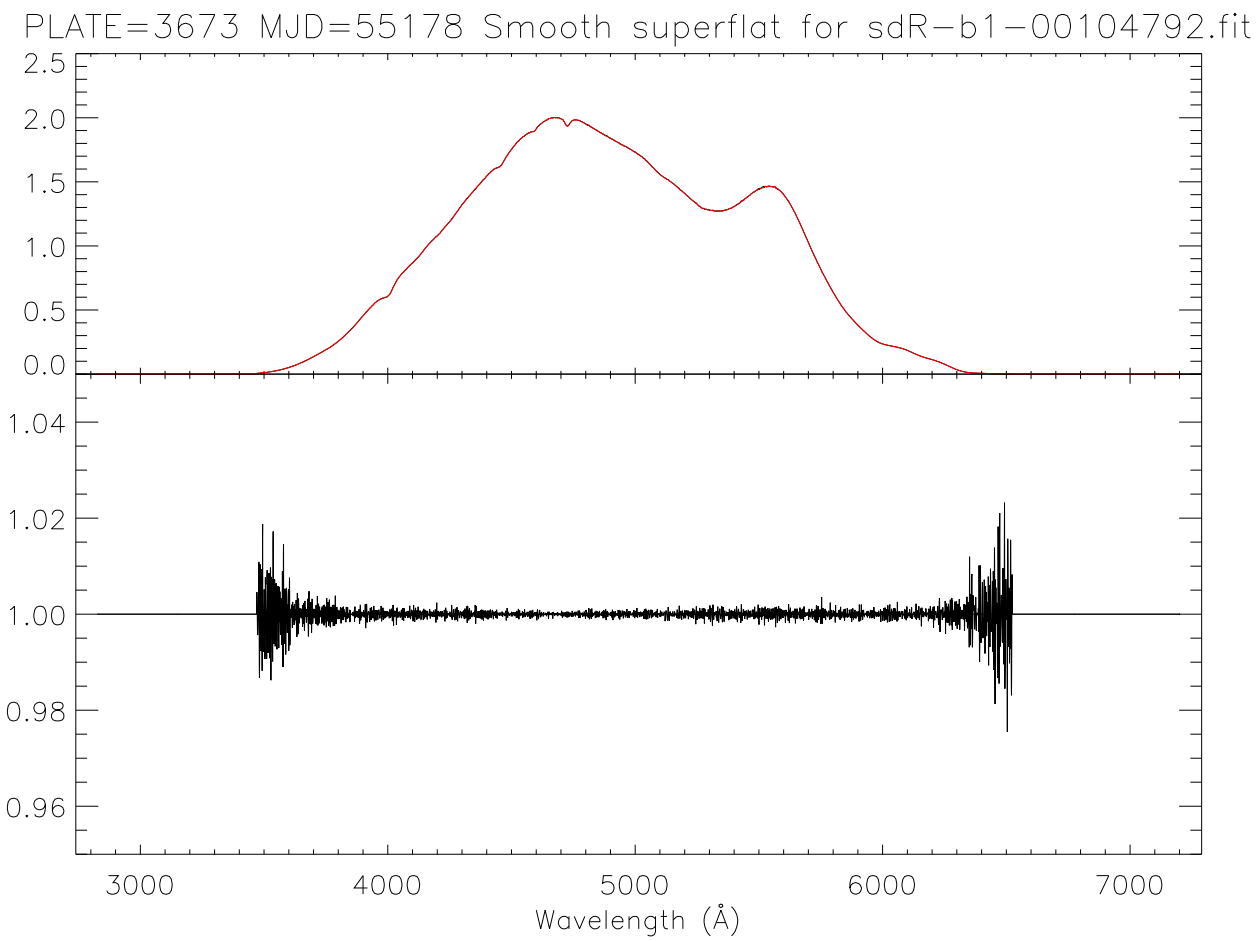

PLATE=3673 MJD=55178 sdR-b1-00104791.fit Skyline Flux at 4359.5
Flux (4359.5)/Airmass
RED = sky fiber
Dispersion = 10.79 %
Fiber number
Flux (4359.5)/Airmass
Focal Distance [mm]
Flux (4359.5)/Airmass
Airmass

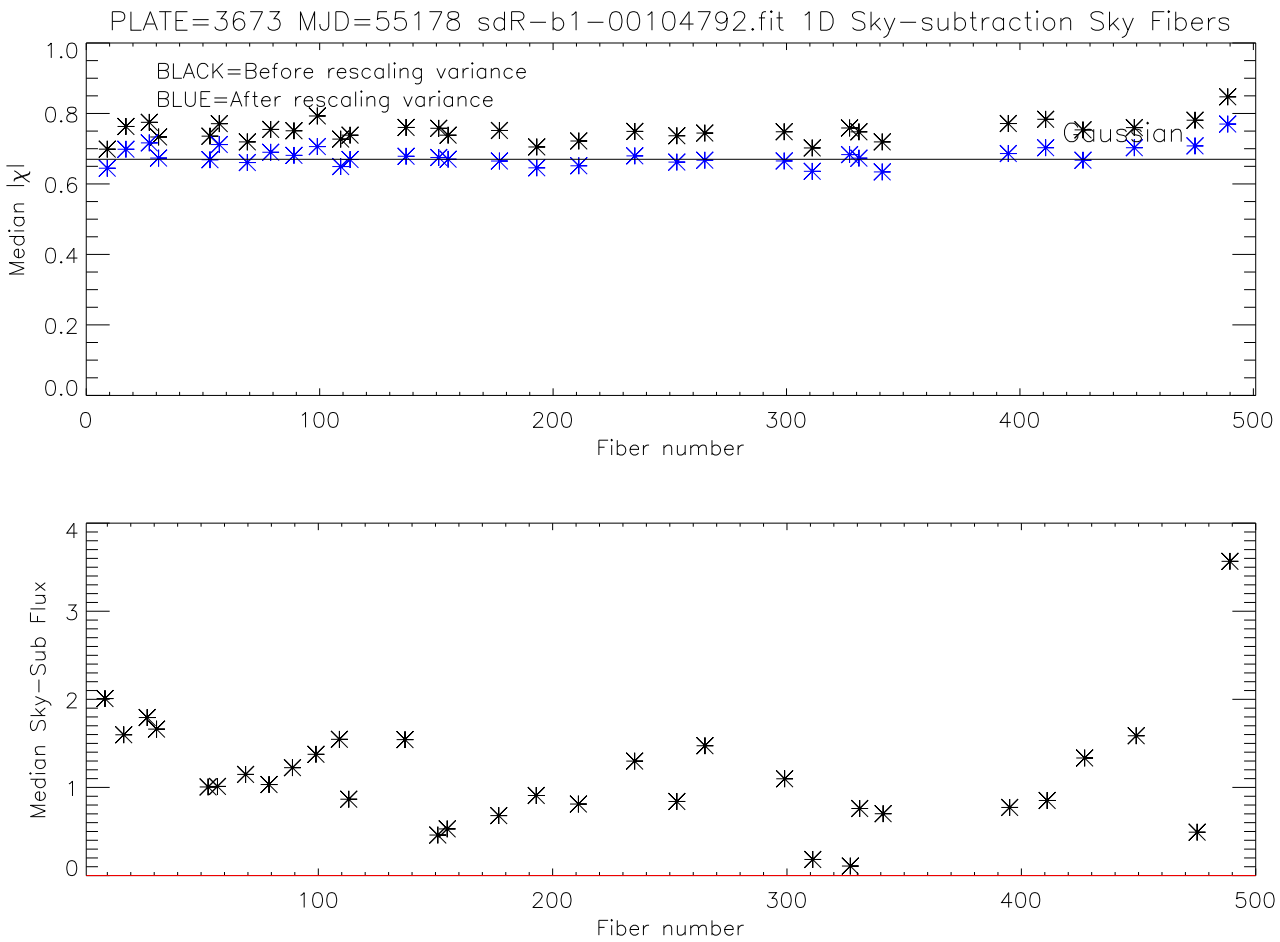

PLATE=3673 MJD=55178 sdR-b1-00104791.fit Skyline Flux at 5578.9
Flux (5578.9)/Airmass
RED = sky fiber
Dispersion = 1.73 %
Fiber number
Focal Distance [mm]
Airmass

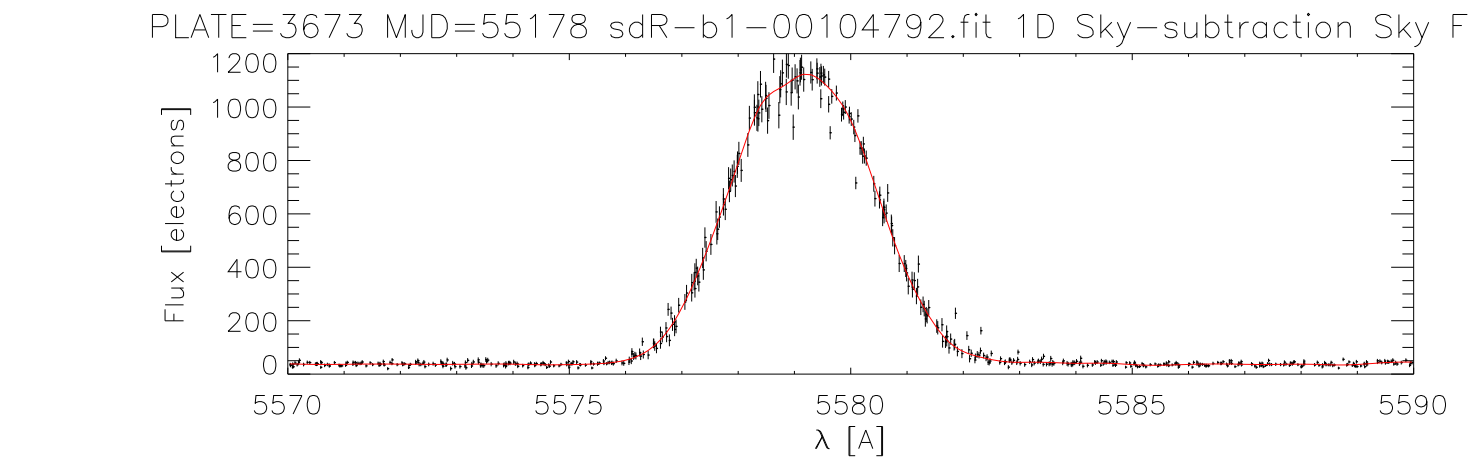

PLATE=3673 MJD=55178 Fiber-Flats for sdR-b1-00104794.fit
BLACK = Median value
ENVELOPE = 95% of points
GREEN = Outlier points
Min value = -2.170
Max value = 10.450
Fiber-Flat
1.5
1.0
0.5
0.0
3000
4000
5000
6000
7000
λ [A]
Sat Aug 27 16:36:19 2011

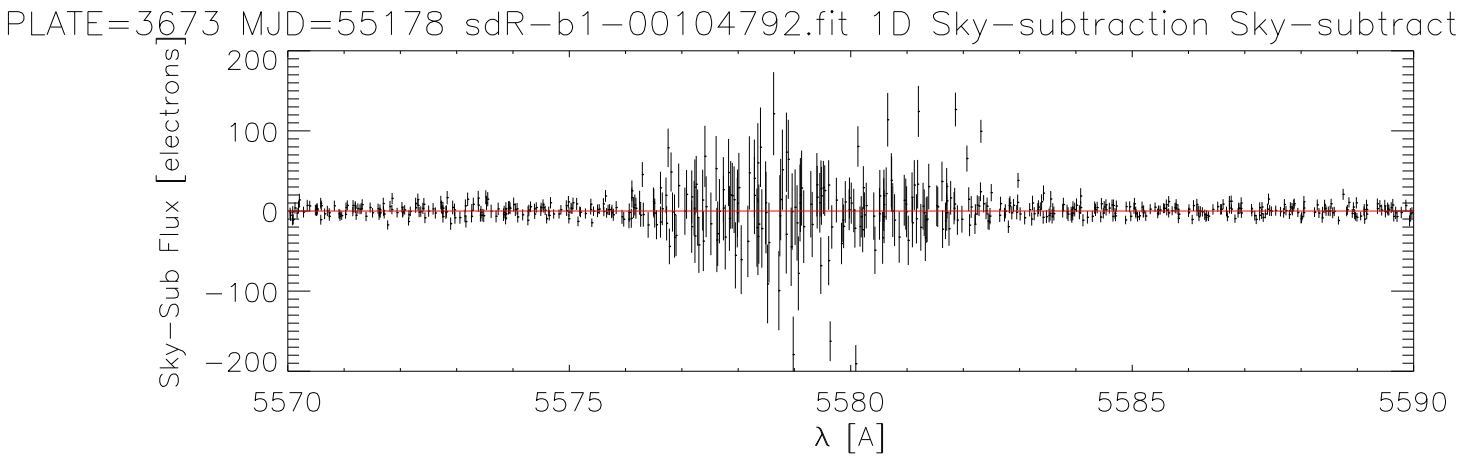

PLATE=3673 MJD=55178 Extraction chi^2 for sdR−b1−00104792.fit
BLACK = Final chisq extraction
χ^2
2.0
1.5
1.0
0.5
0.0
0
1000
2000
3000
4000
Row number


PLATE=3673 MJD=55178 Sky Line Deviations for sdR-b1-00104792.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

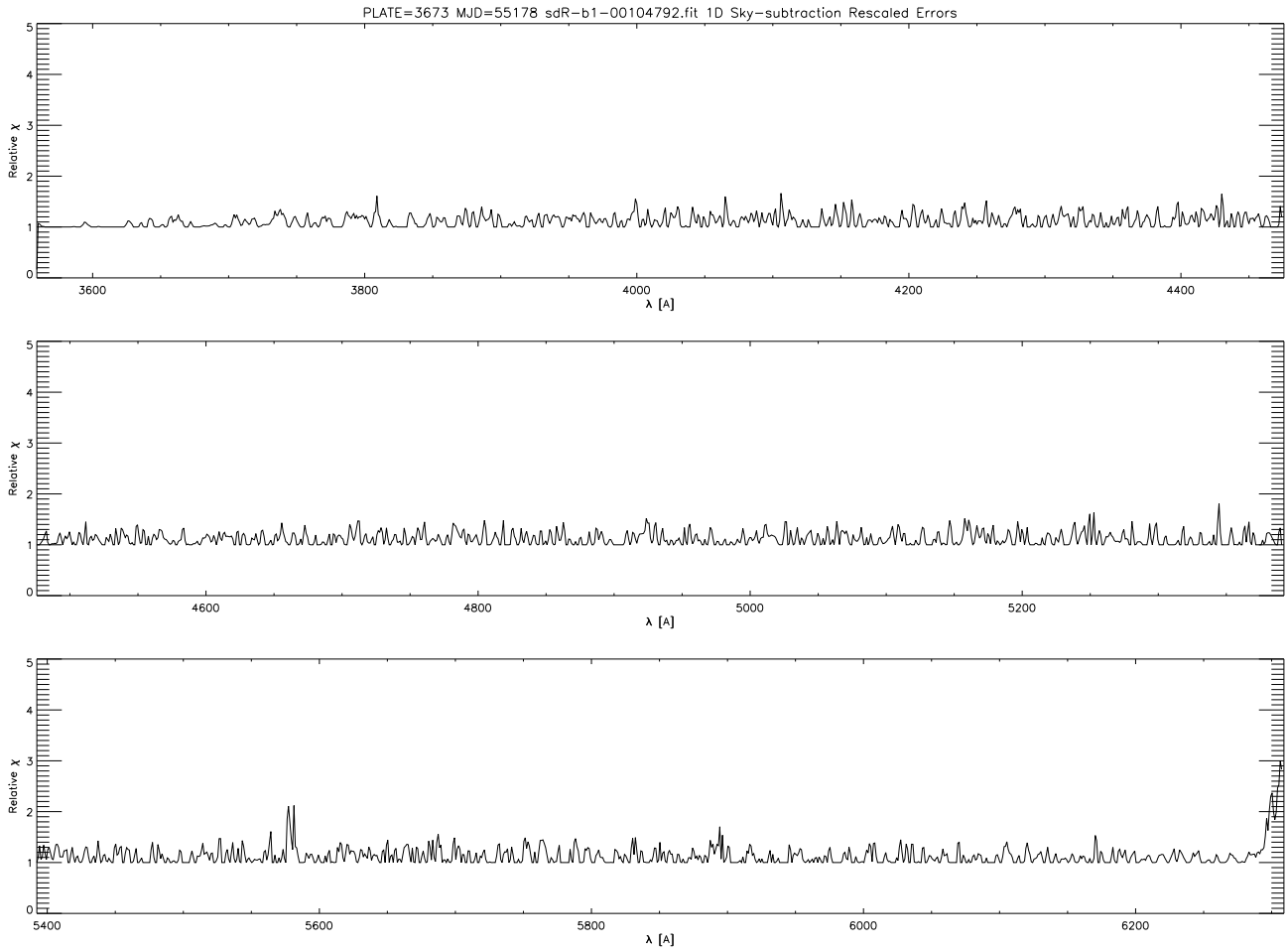

PLATE=3673 MJD=55178 Smooth superflat for sdR-b1-00104792.fit
2.5
2.0
1.5
1.0
0.5
0.0
1.04
1.02
1.00
0.98
0.96
3000
4000
5000
6000
7000
Wavelength (Å)

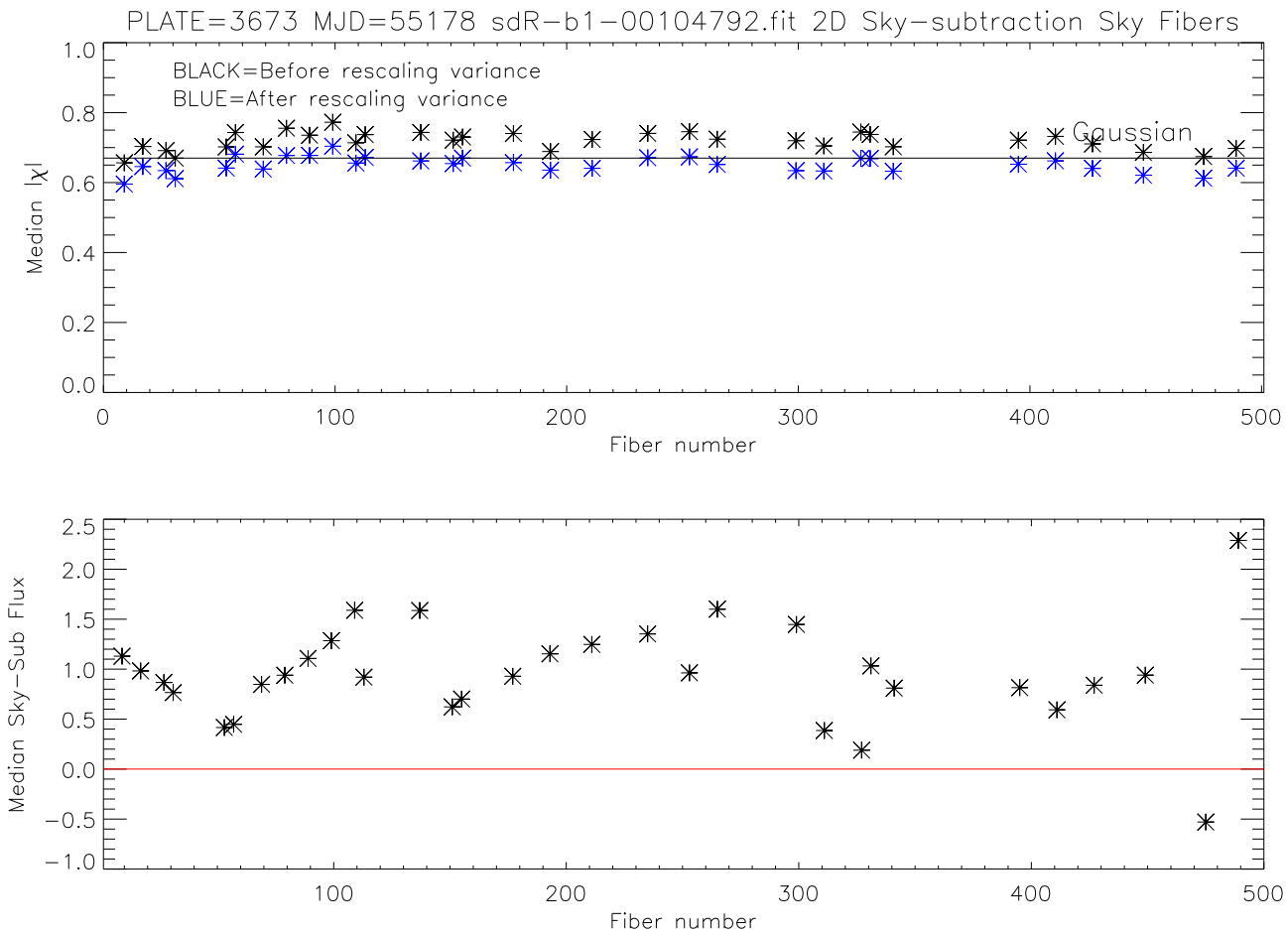

PLATE=3673 MJD=55178 sdR-b1-00104792.fit 1D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

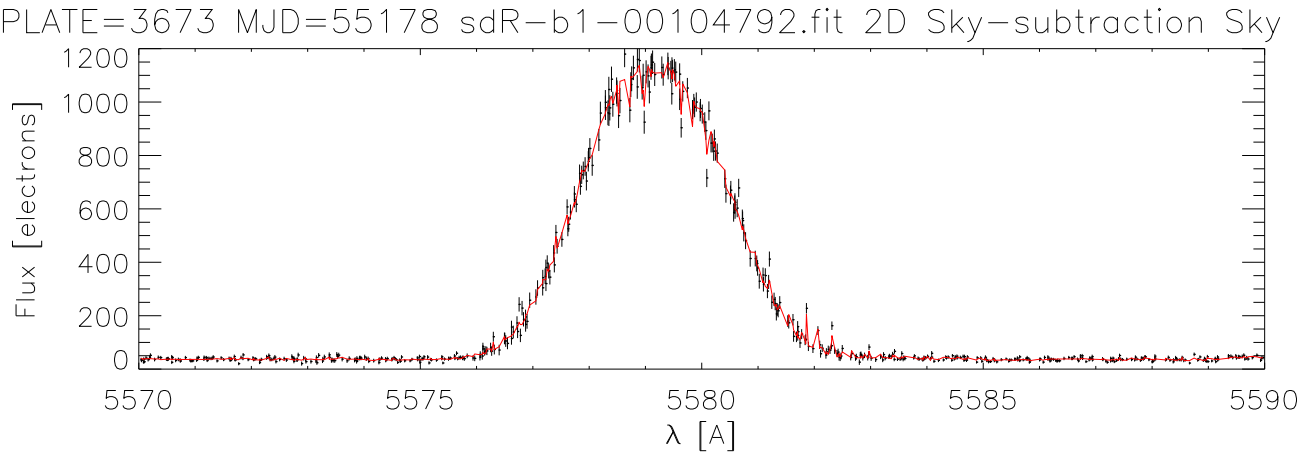

PLATE=3673 MJD=55178 sdR-b1-00104792.fit 1D Sky-subtraction Sky Fibers
Flux [electrons]
1200
1000
800
600
400
200
0
5570
5575
5580
5585
5590
λ [A]

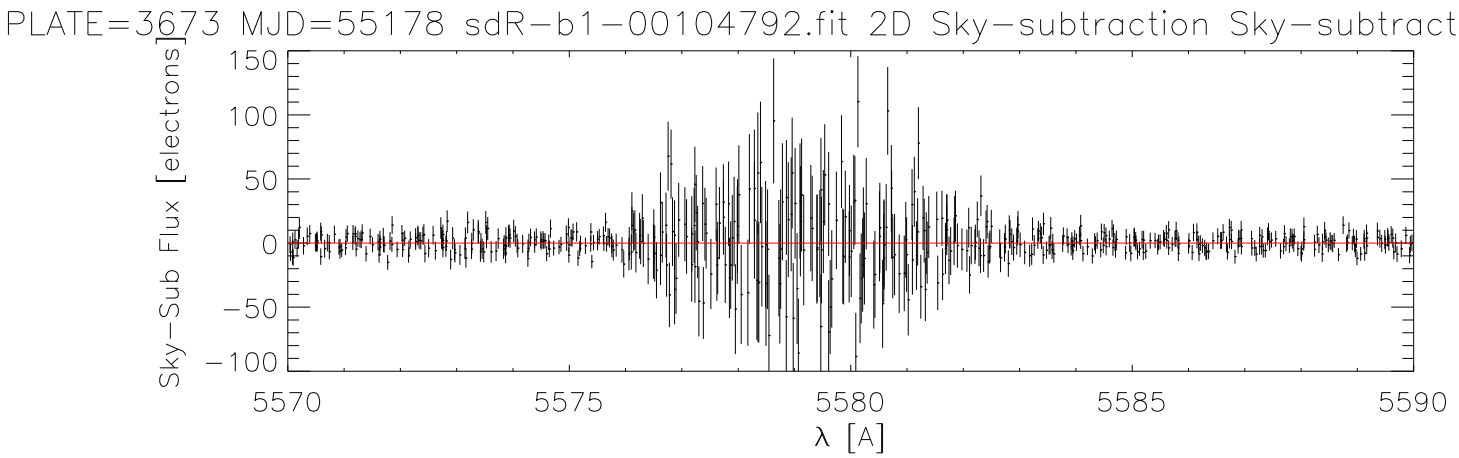

PLATE=3673 MJD=55178 sdR-b1-00104792.fit 1D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
200
100
0
-100
-200
5570
5575
5580
5585
5590
λ [A]

Number of sky fibers = 32

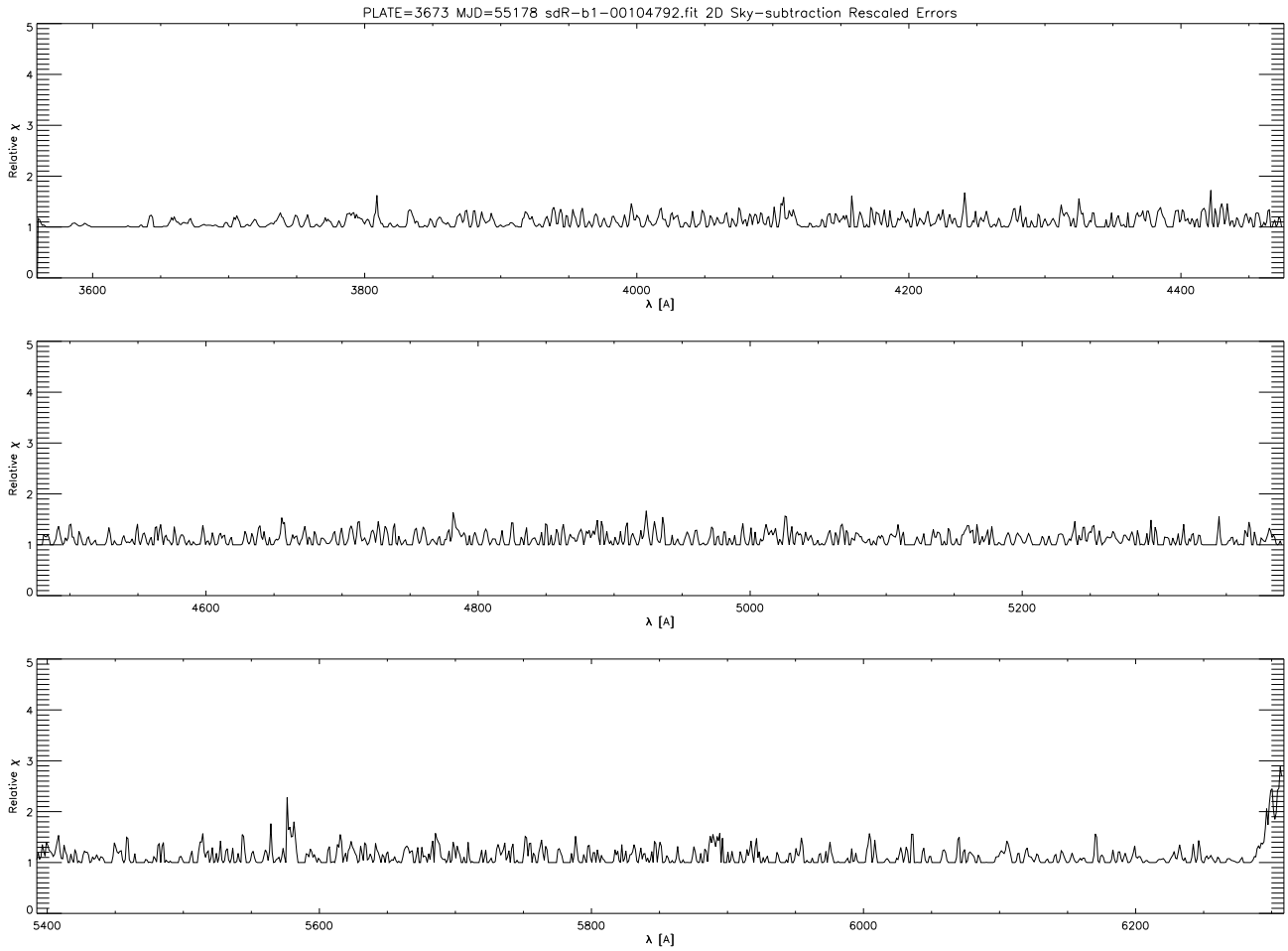


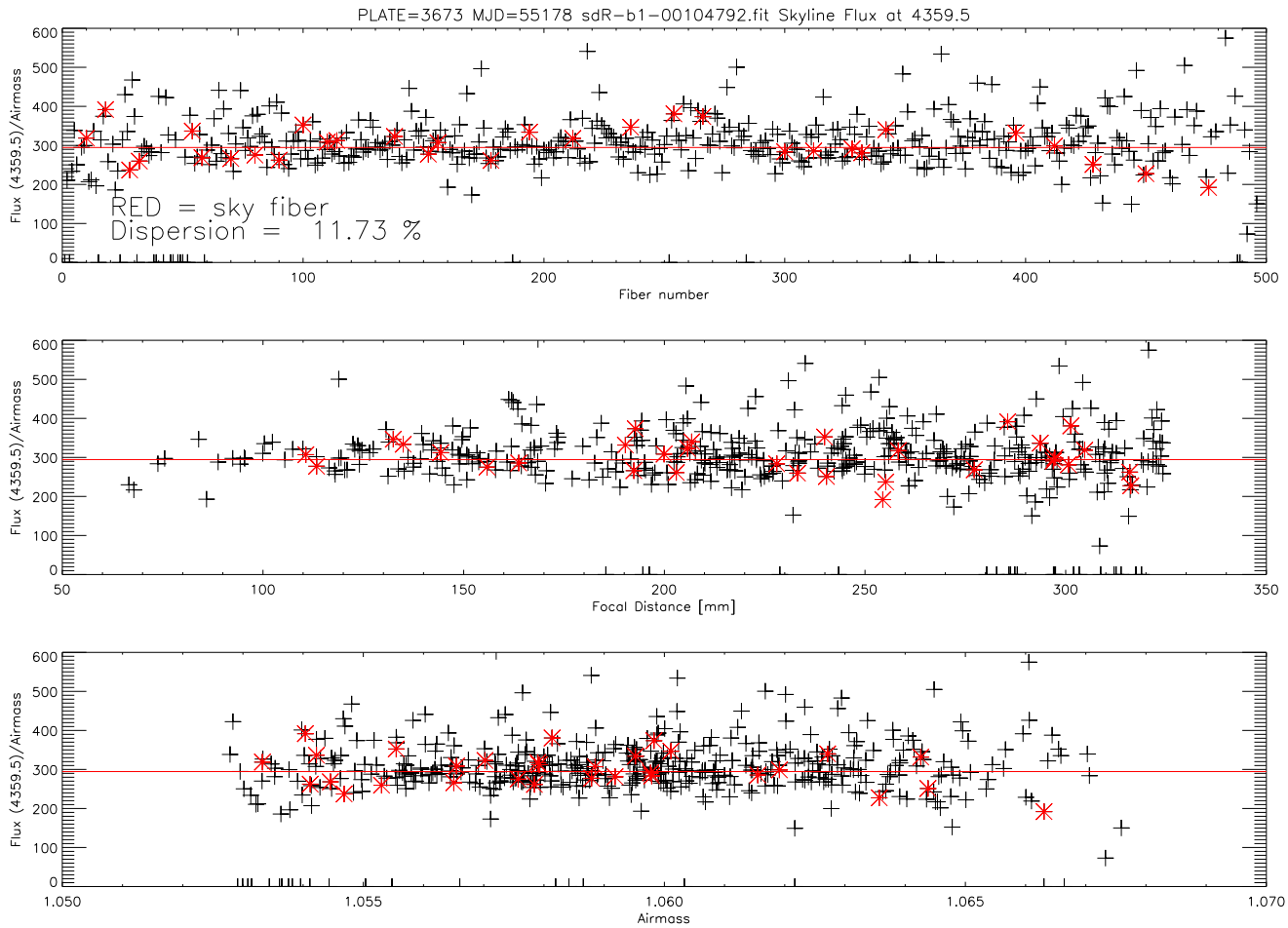

PLATE=3673 MJD=55178 sdR-b1-00104792.fit 2D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

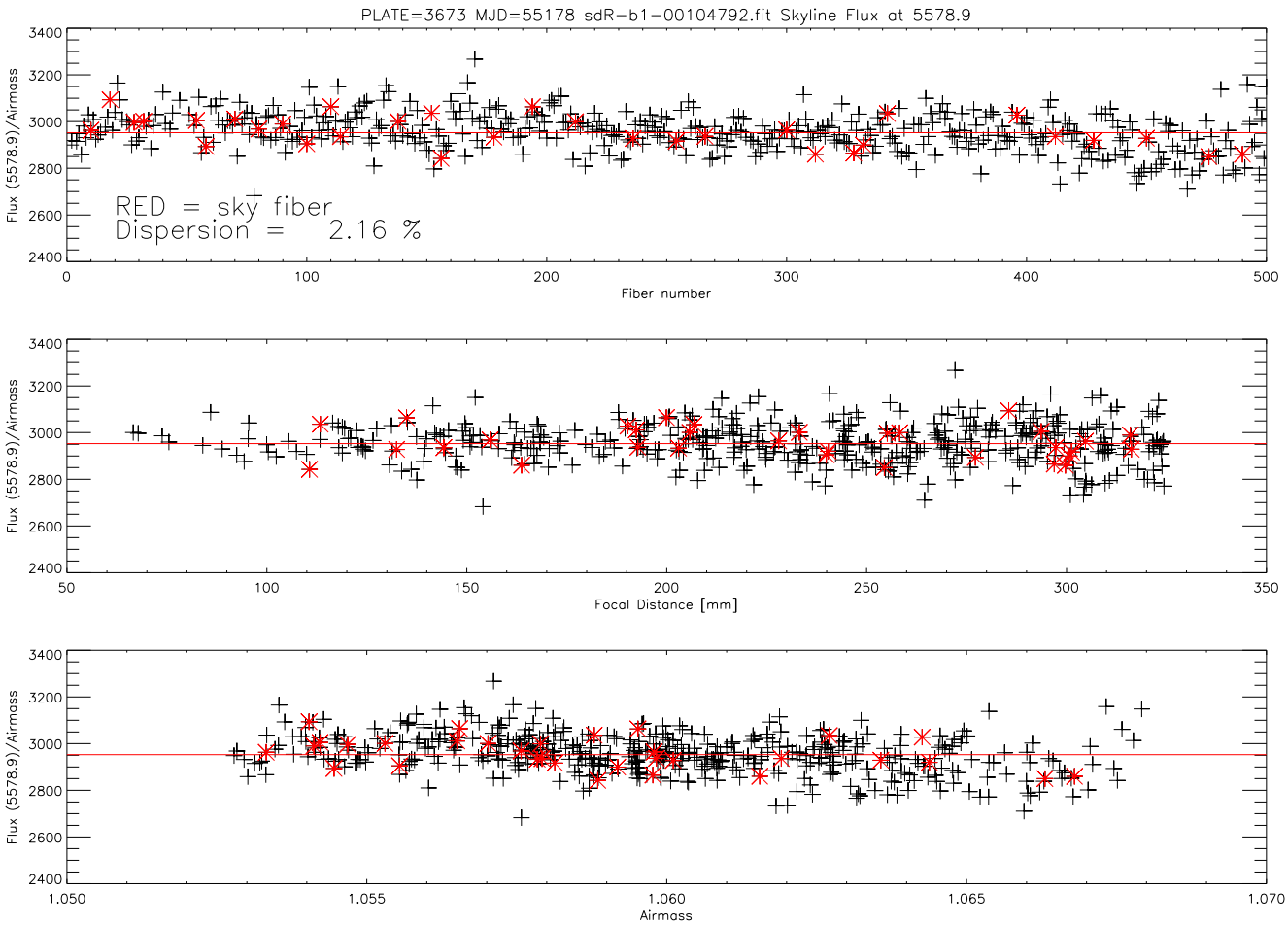

PLATE=3673 MJD=55178 sdR-b1-00104792.fit 2D Sky-subtraction Sky Fibers
Flux [electrons]
1200
1000
800
600
400
200
0
5570
5575
5580
5585
5590
λ [A]

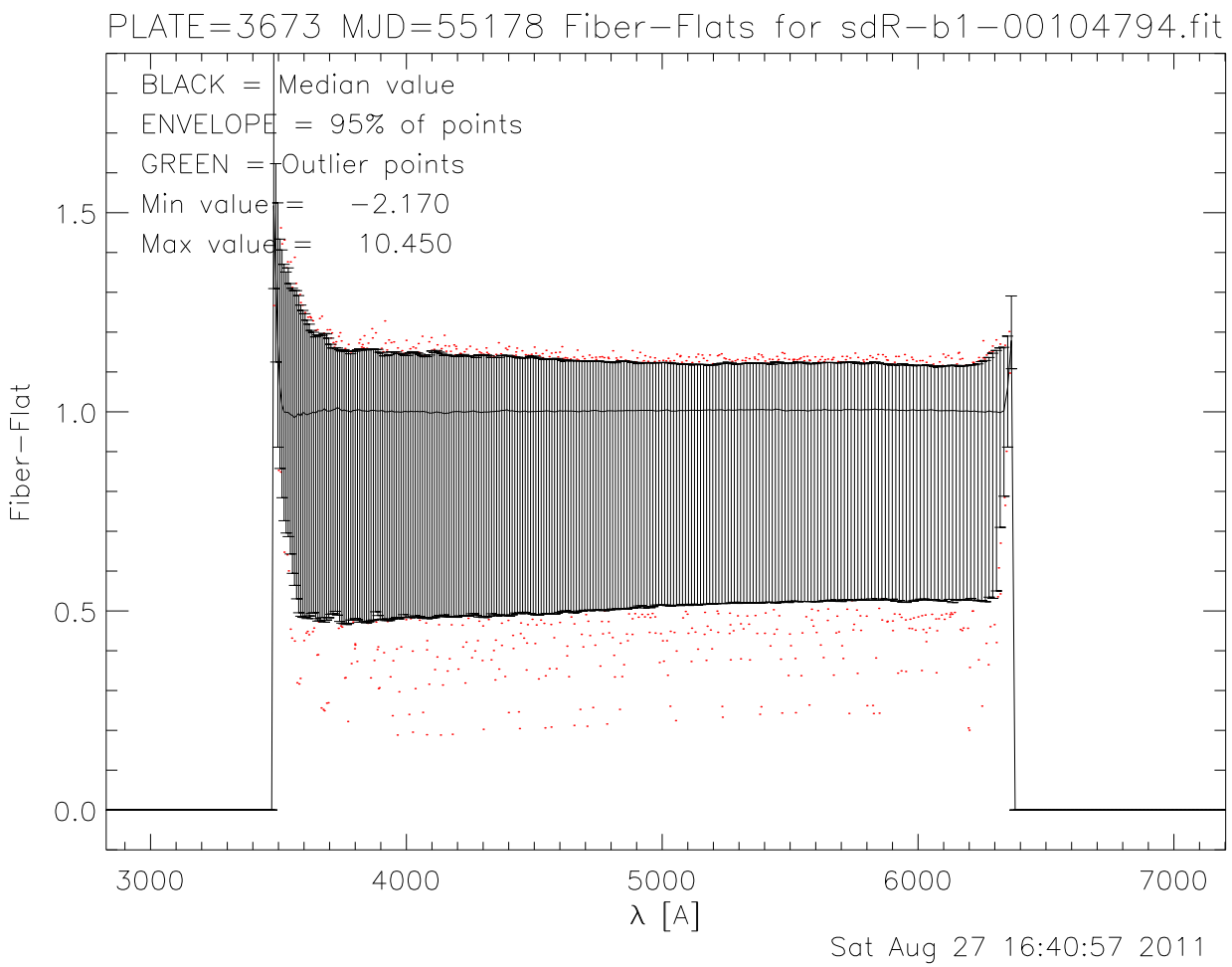

PLATE=3673 MJD=55178 sdR-b1-00104792.fit 2D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
150
100
50
0
−50
−100
5570
5575
5580
5585
5590
λ [A]

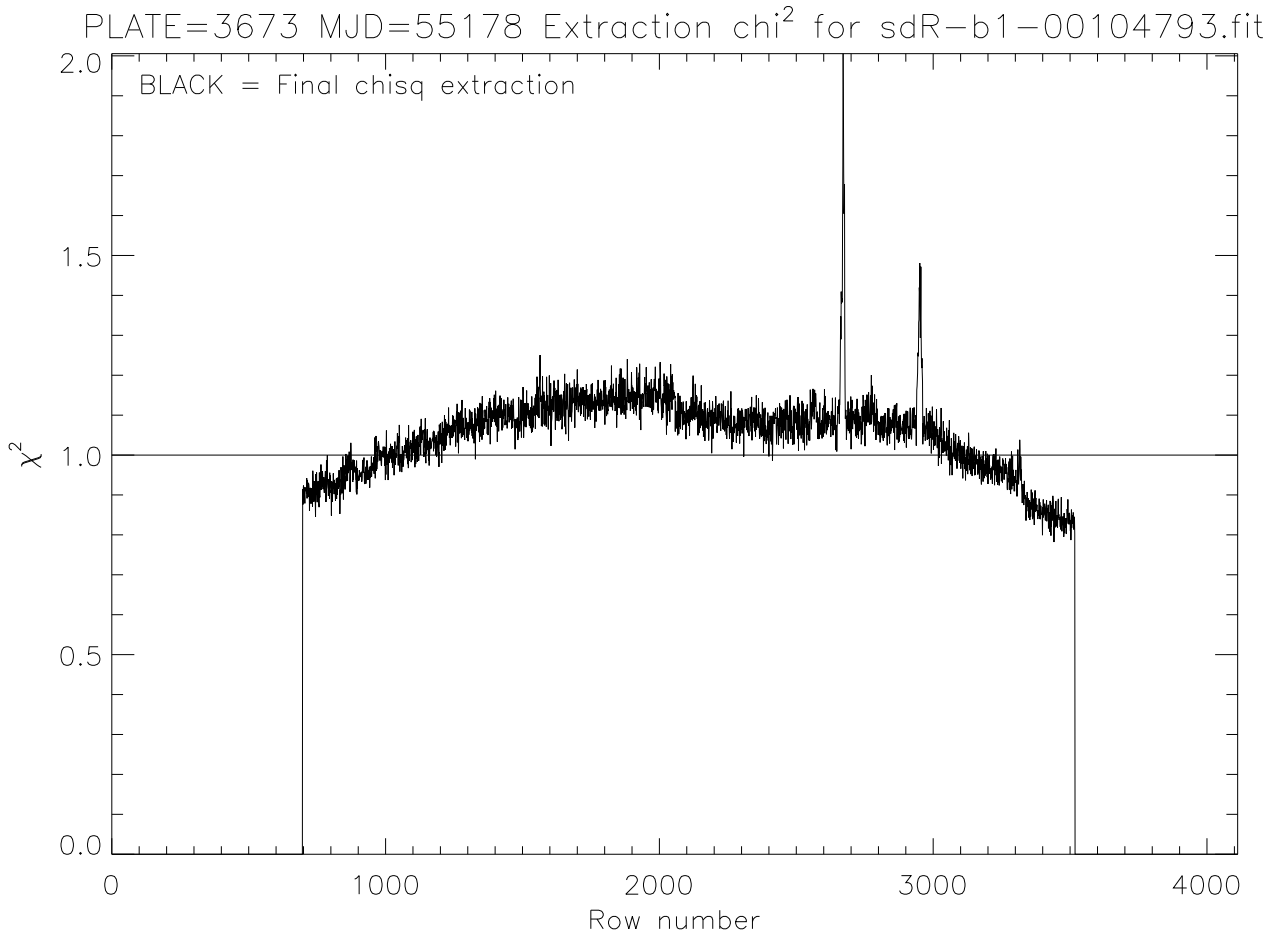
Number of sky fibers = 32

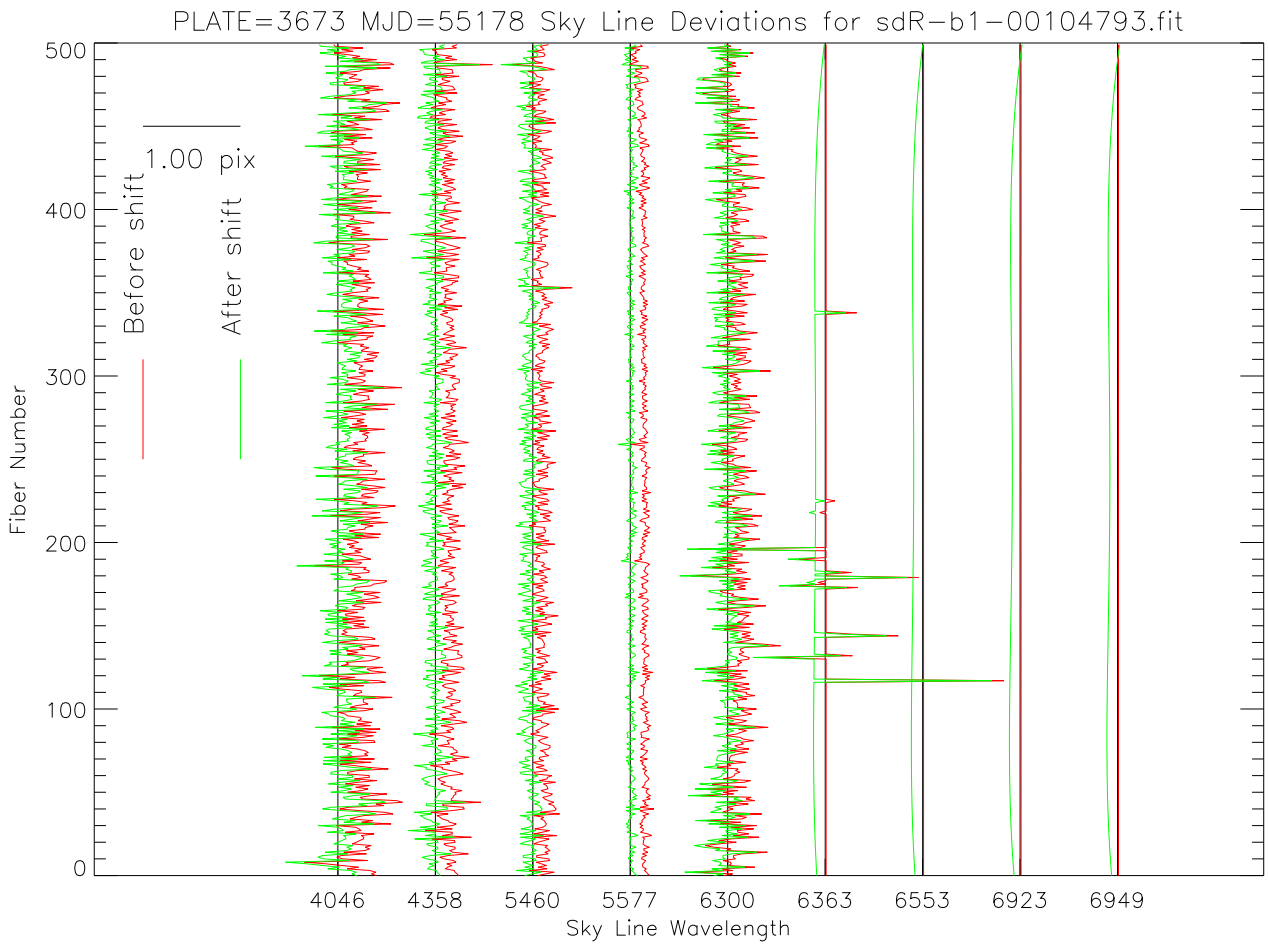


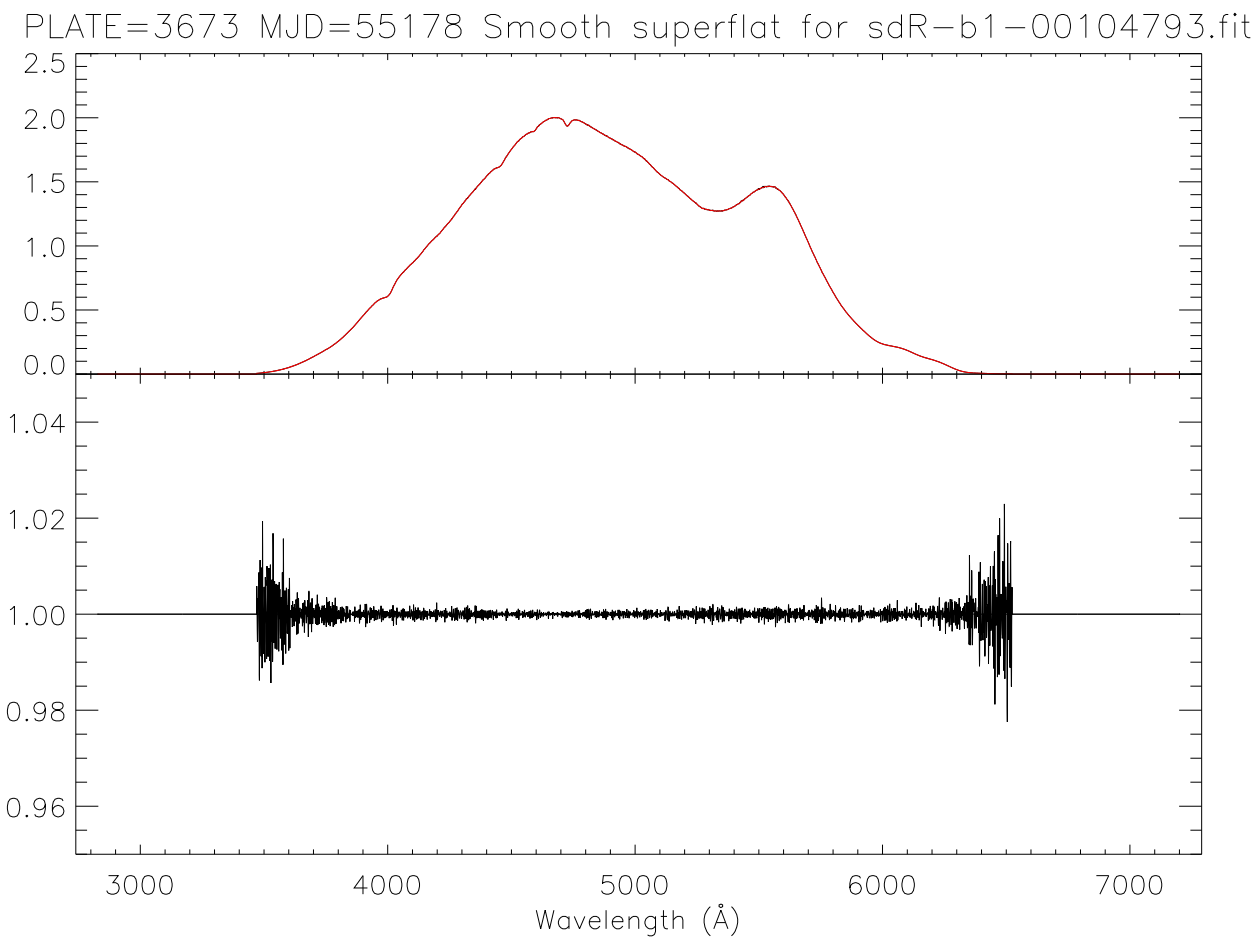

PLATE=3673 MJD=55178 sdR-b1-00104792.fit Skyline Flux at 4359.5
Flux (4359.5)/Airmass
RED = sky fiber
Dispersion = 11.73 %
Fiber number
Flux (4359.5)/Airmass
Focal Distance [mm]
Flux (4359.5)/Airmass
Airmass

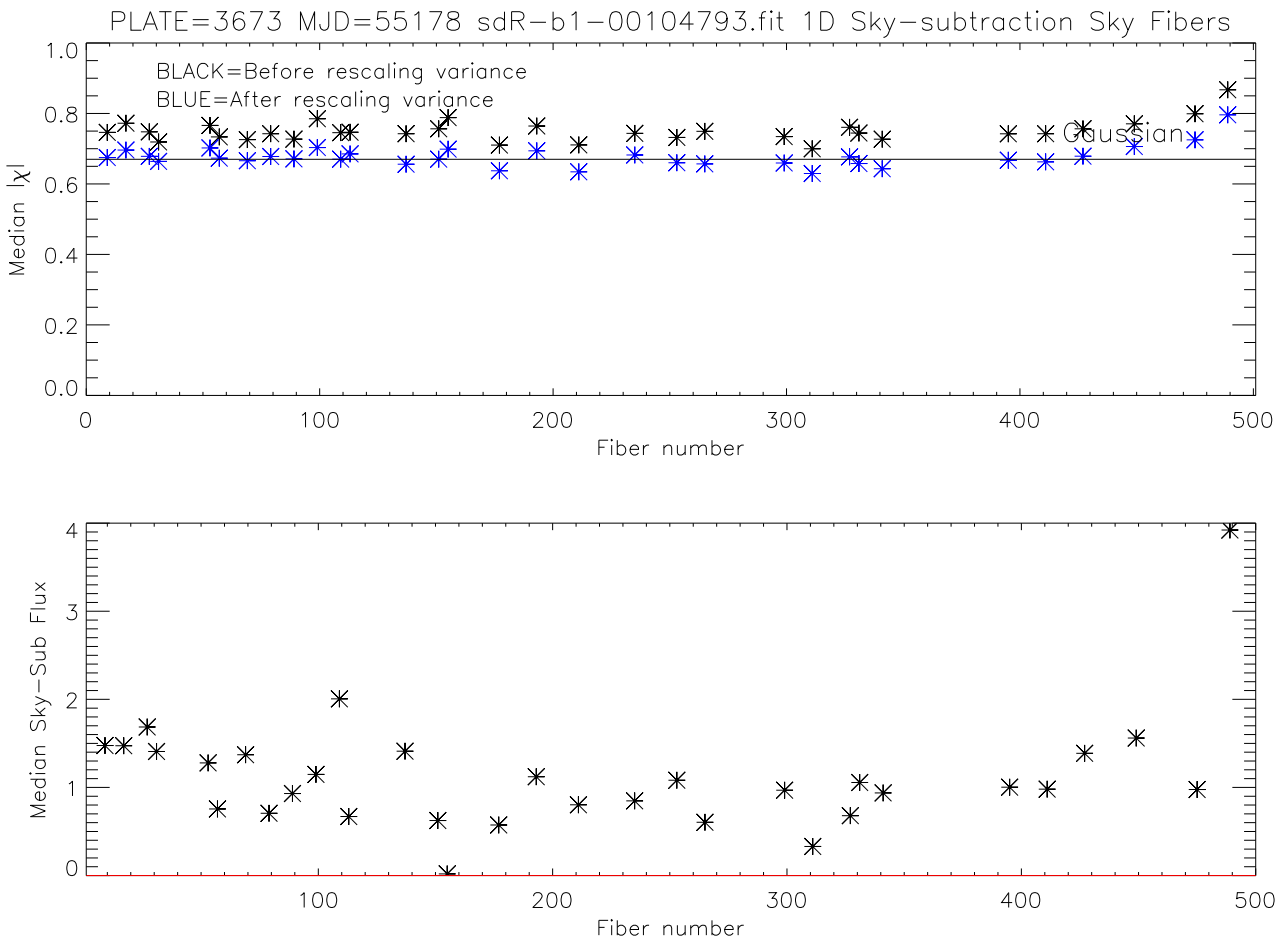

PLATE=3673 MJD=55178 sdR-b1-00104792.fit Skyline Flux at 5578.9
Flux (5578.9)/Airmass
RED = sky fiber
Dispersion = 2.16 %
Fiber number
Focal Distance [mm]
Airmass

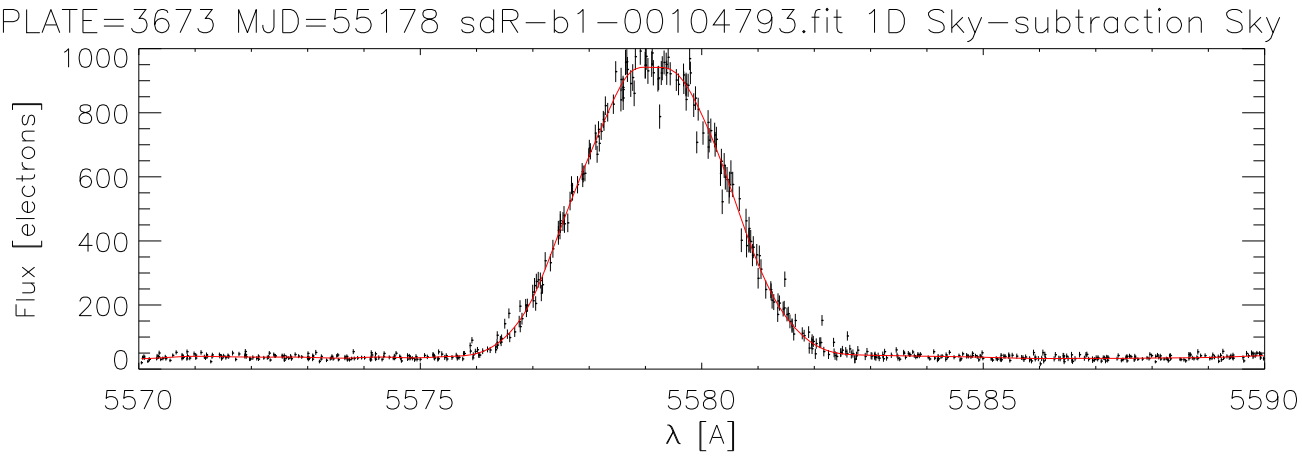

PLATE=3673 MJD=55178 Fiber-Flats for sdR-b1-00104794.fit
BLACK = Median value
ENVELOPE = 95% of points
GREEN = Outlier points
Min value = -2.170
Max value = 10.450
Fiber-Flat
1.5
1.0
0.5
0.0
3000
4000
5000
6000
7000
λ [A]
Sat Aug 27 16:40:57 2011

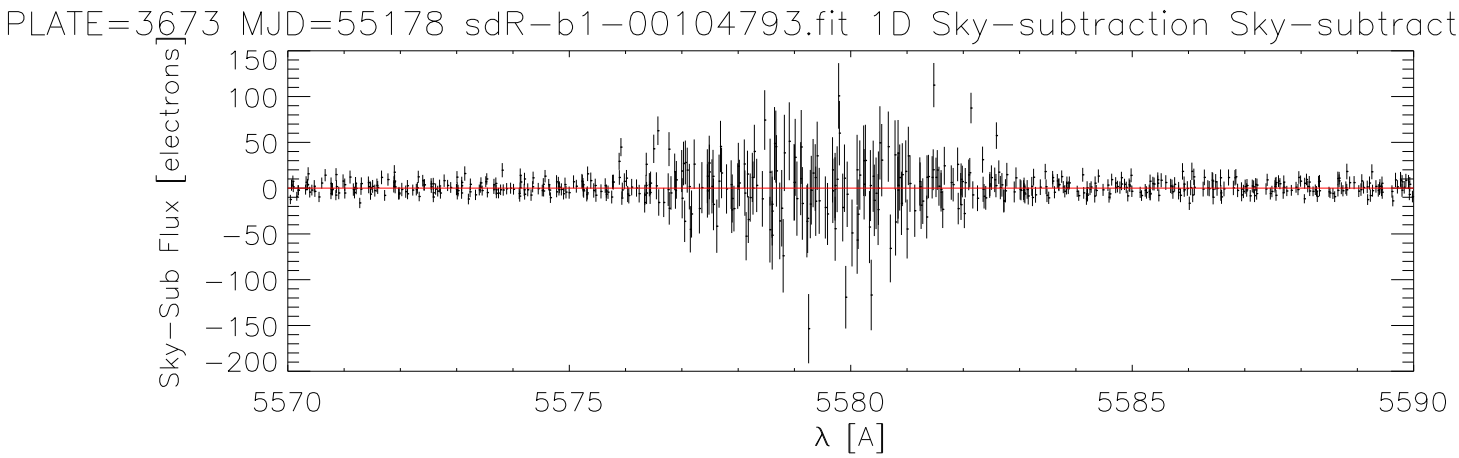

PLATE=3673 MJD=55178 Extraction chi^2 for sdR-b1-00104793.fit
BLACK = Final chisq extraction
χ^2
2.0
1.5
1.0
0.5
0.0
0
1000
2000
3000
4000
Row number


PLATE=3673 MJD=55178 Sky Line Deviations for sdR-b1-00104793.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

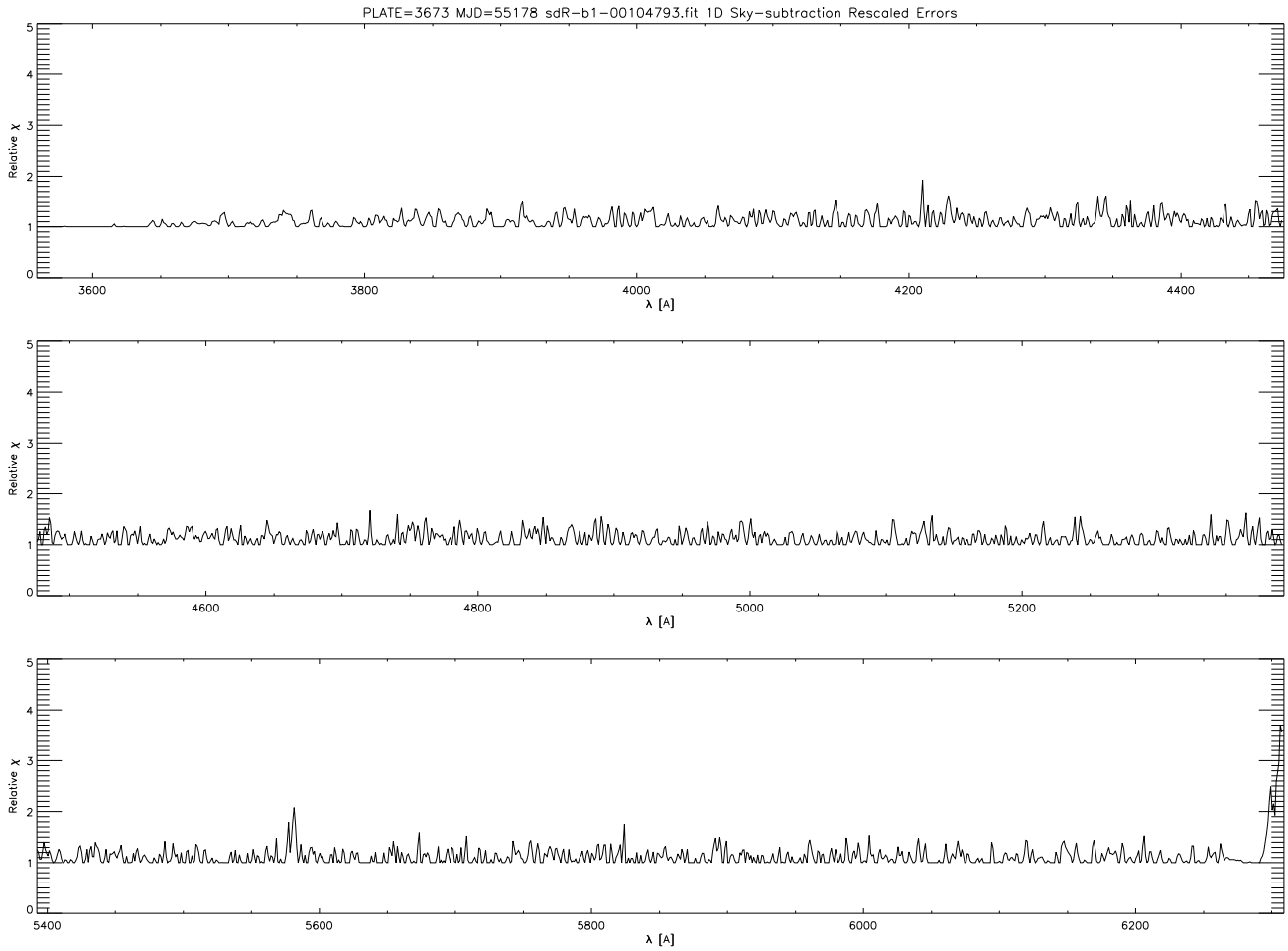

PLATE=3673 MJD=55178 Smooth superflat for sdR-b1-00104793.fit
2.5
2.0
1.5
1.0
0.5
0.0
1.04
1.02
1.00
0.98
0.96
3000
4000
5000
6000
7000
Wavelength (Å)

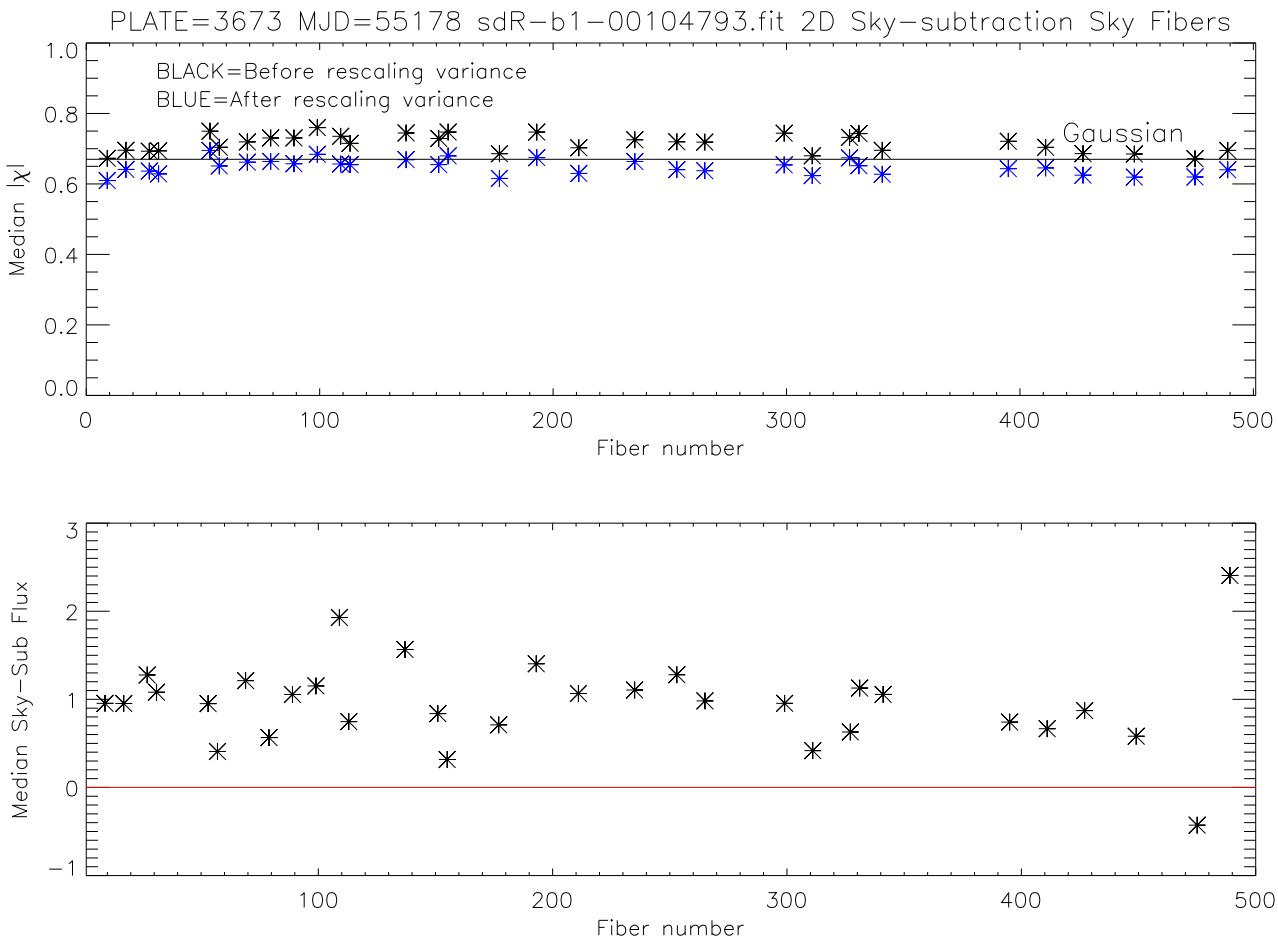

PLATE=3673 MJD=55178 sdR-b1-00104793.fit 1D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

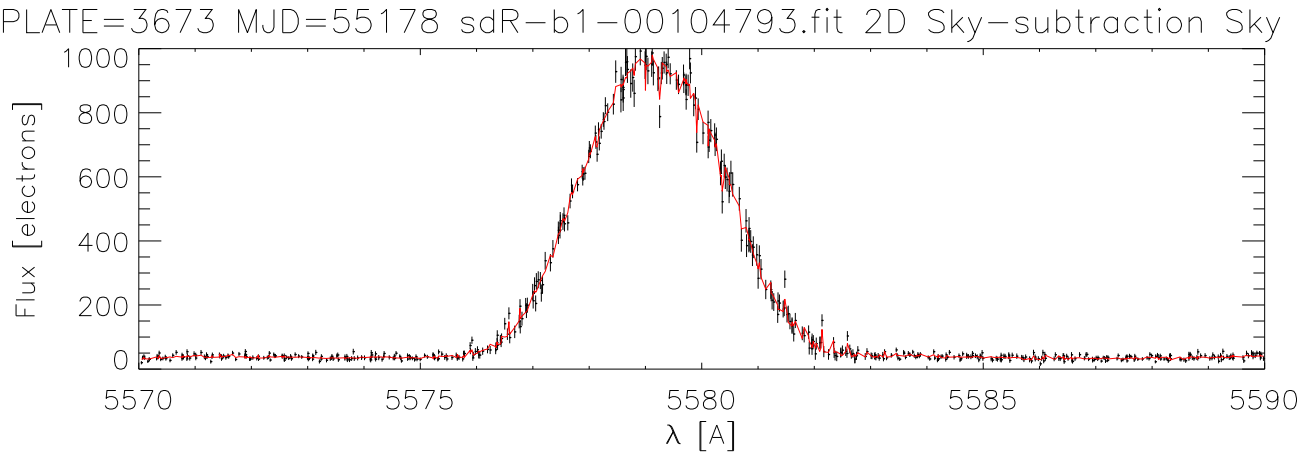

PLATE=3673 MJD=55178 sdR-b1-00104793.fit 1D Sky-subtraction Sky Fibers
Flux [electrons]
1000
800
600
400
200
0
5570
5575
5580
5585
5590
λ [A]

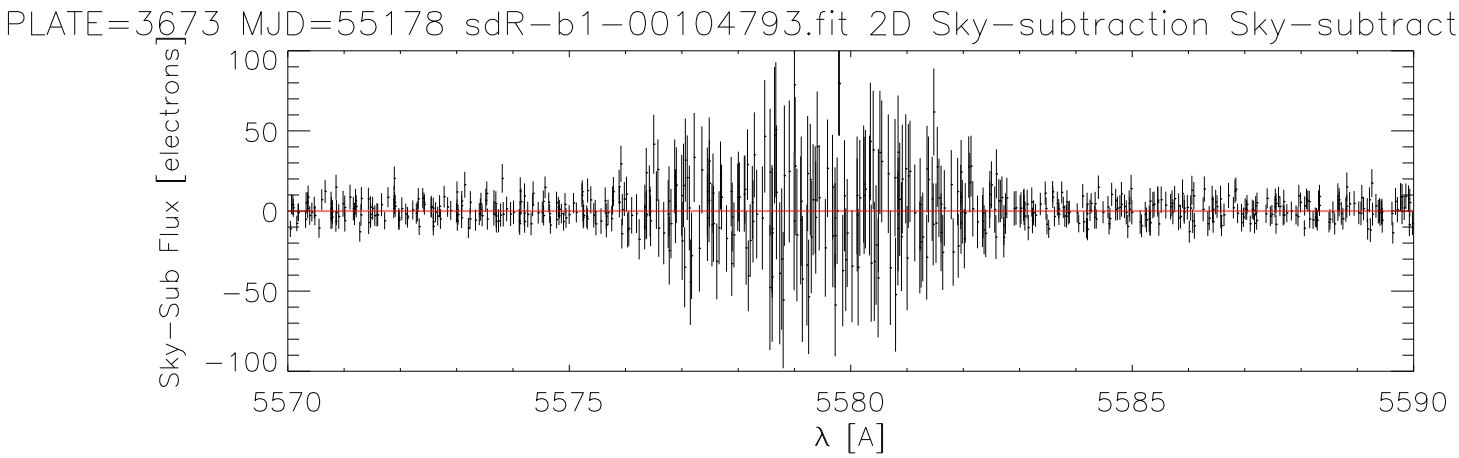

PLATE=3673 MJD=55178 sdR-b1-00104793.fit 1D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
150
100
50
0
-50
-100
-150
-200
5570
5575
5580
5585
5590
λ [A]

Number of sky fibers = 32

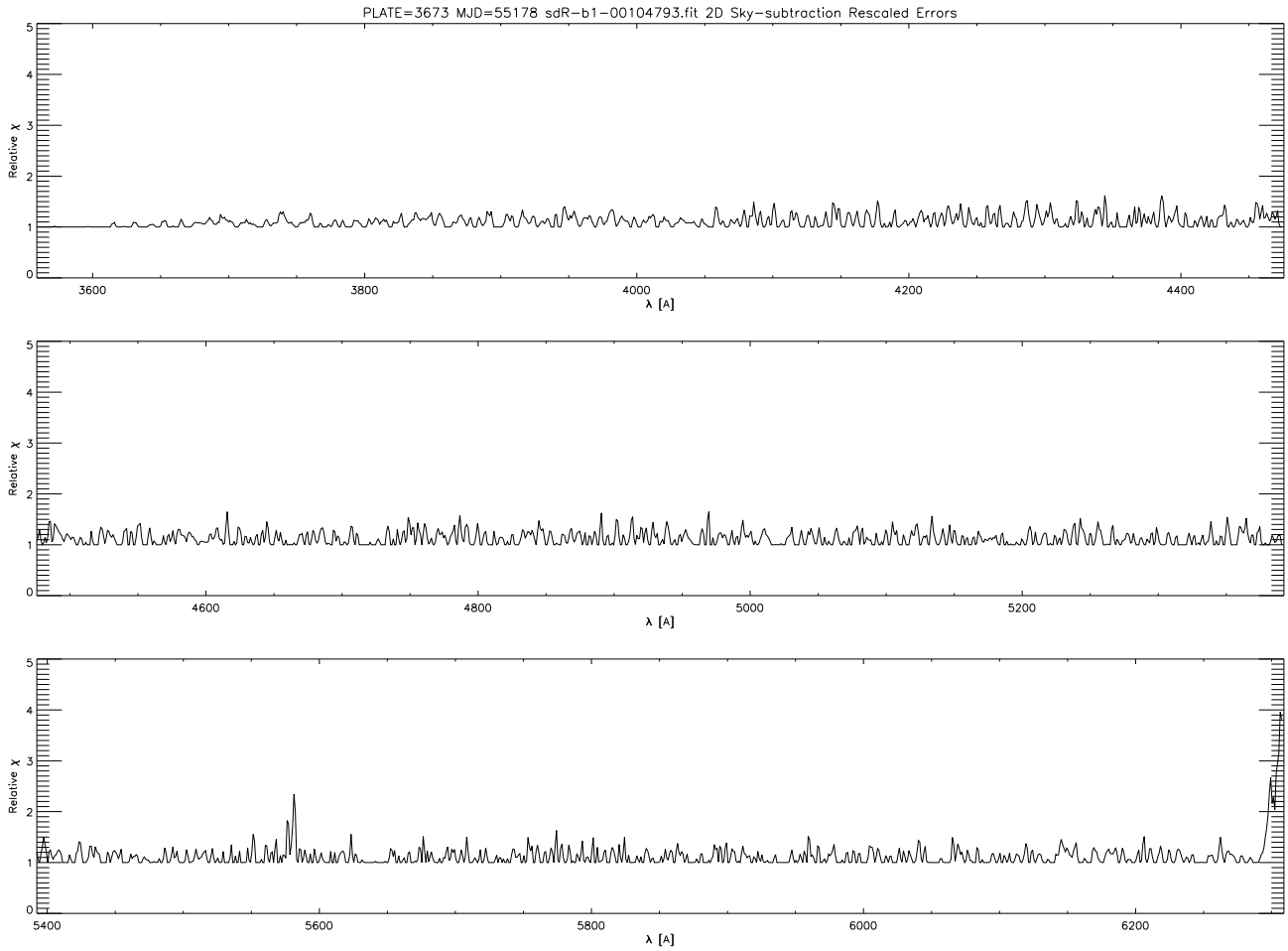


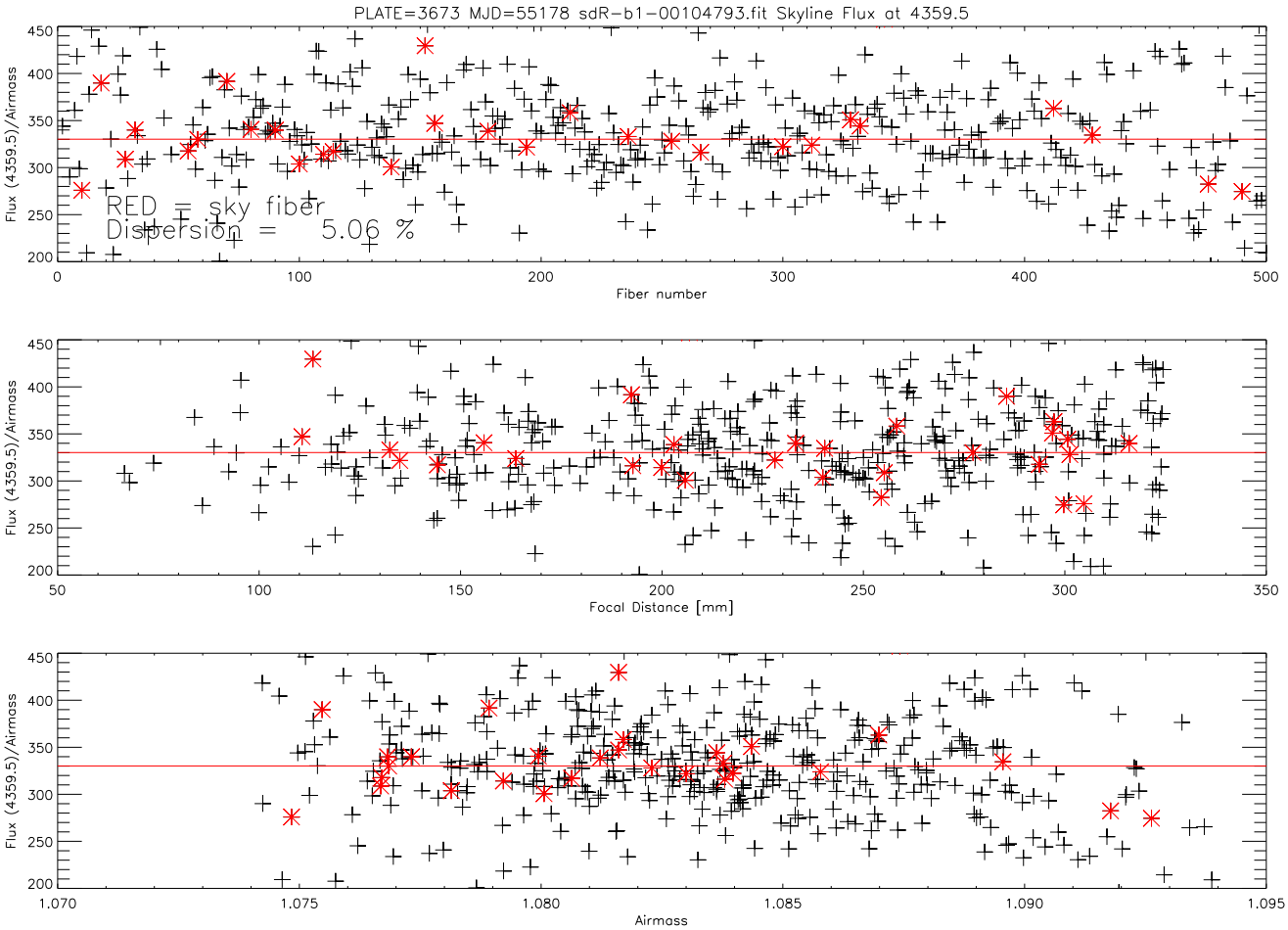

PLATE=3673 MJD=55178 sdR-b1-00104793.fit 2D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

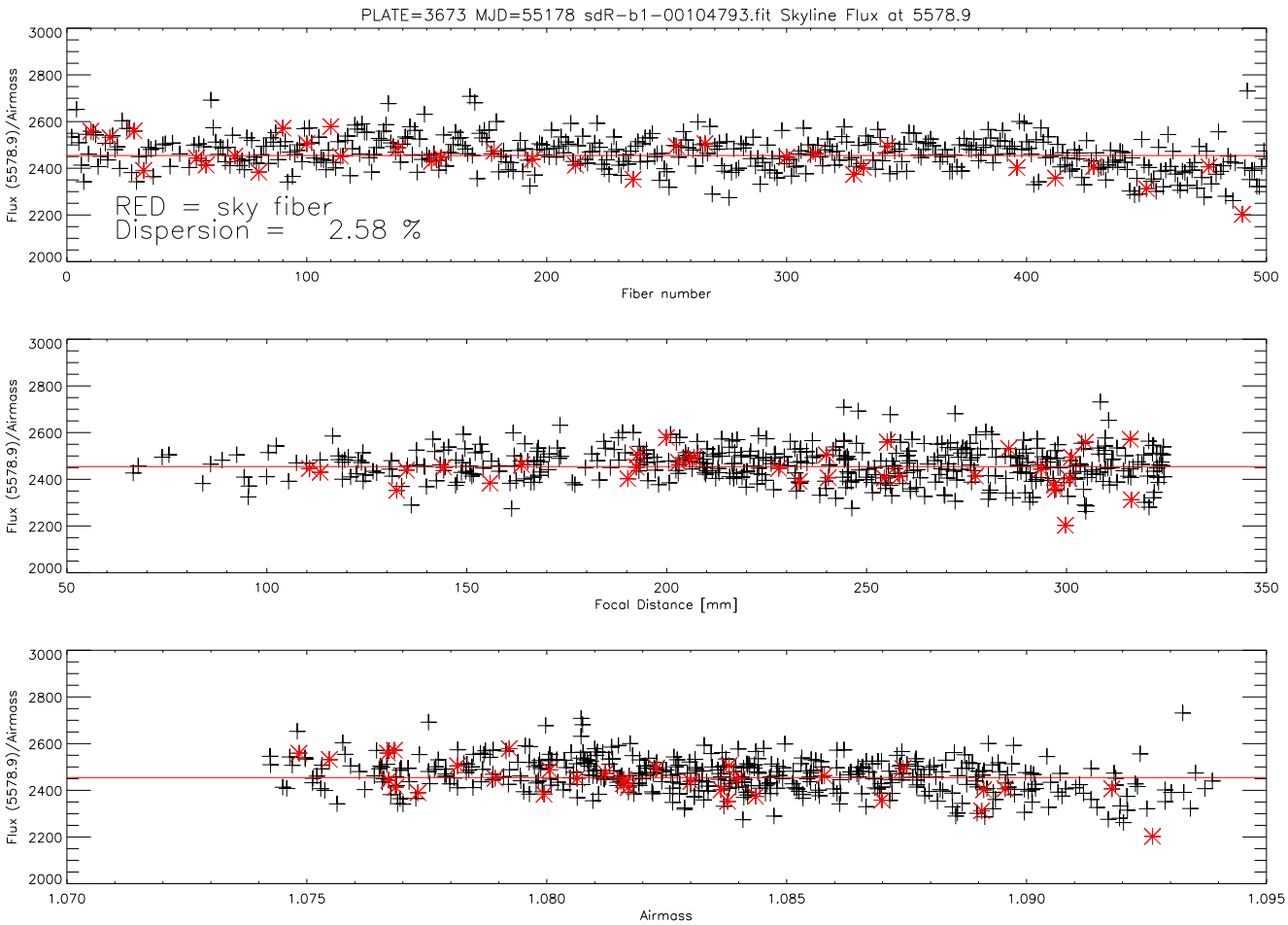

PLATE=3673 MJD=55178 sdR-b1-00104793.fit 2D Sky-subtraction Sky Fibers
Flux [electrons]
1000
800
600
400
200
0
5570
5575
5580
5585
5590
λ [A]

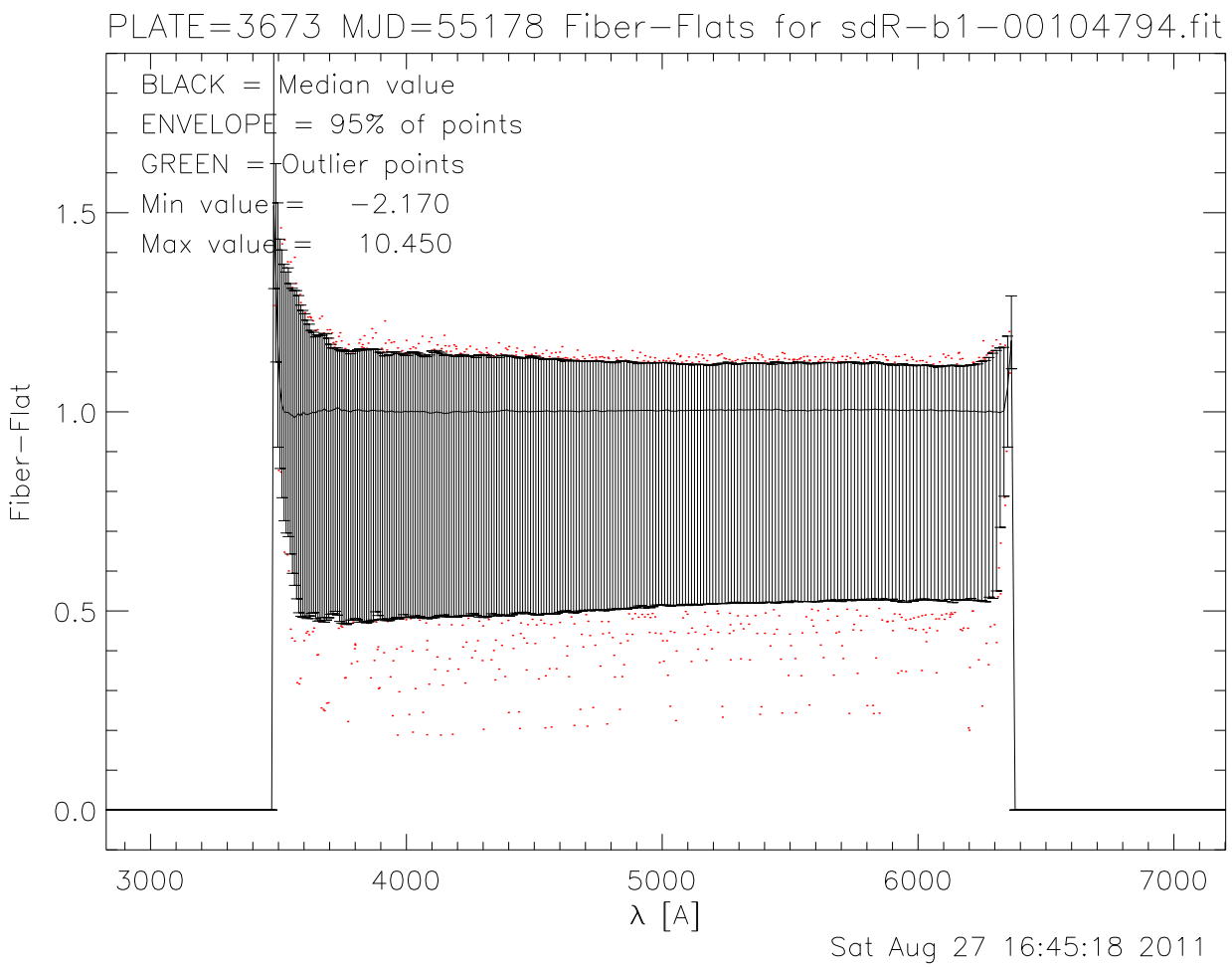

PLATE=3673 MJD=55178 sdR-b1-00104793.fit 2D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
100
50
0
-50
-100
5570
5575
5580
5585
5590
λ [A]

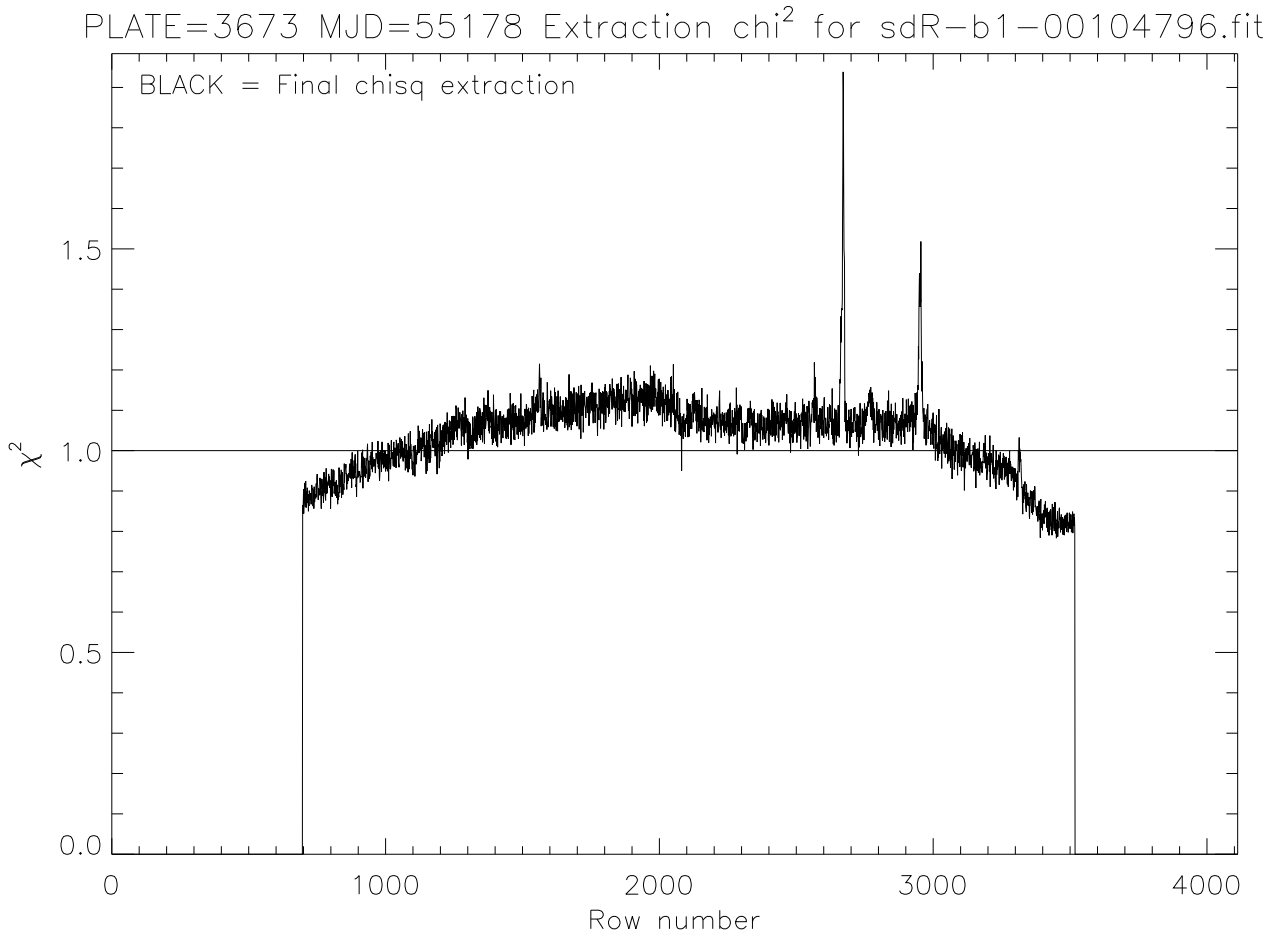
Number of sky fibers = 32

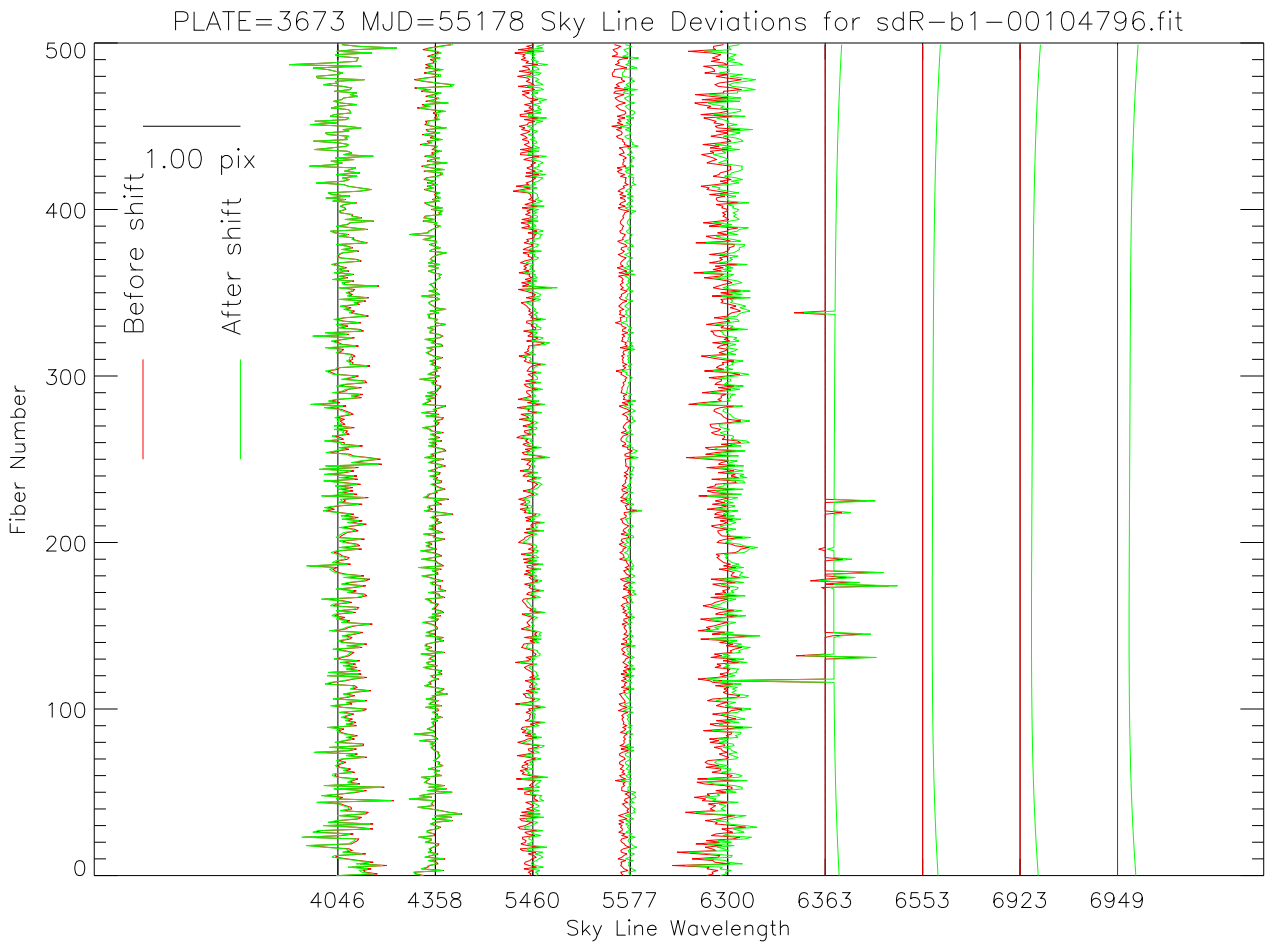


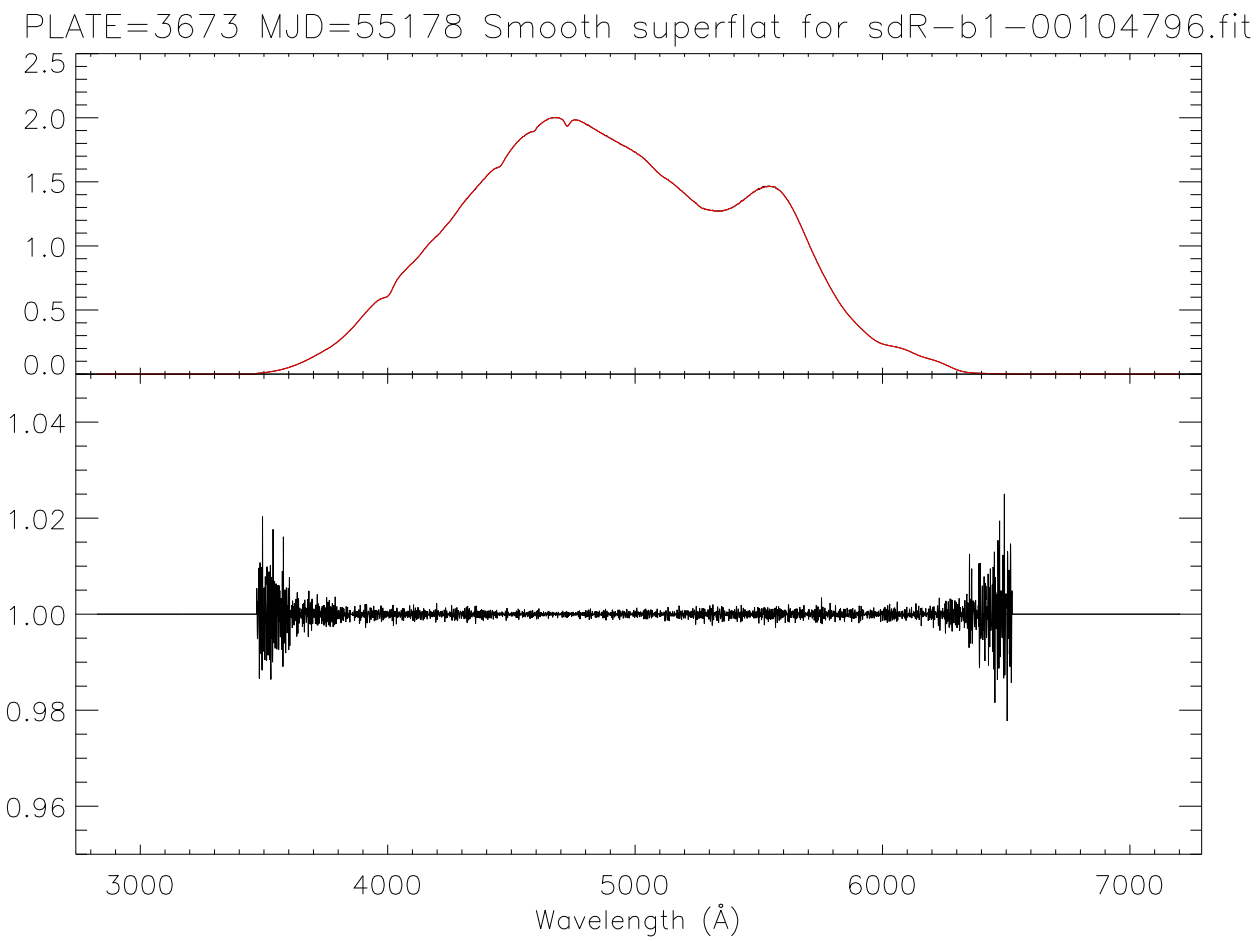

PLATE=3673 MJD=55178 sdR-b1-00104793.fit Skyline Flux at 4359.5
Flux (4359.5)/Airmass
Fiber number
RED = sky fiber
Dispersion = 5.06 %
Flux (4359.5)/Airmass
Focal Distance [mm]
Flux (4359.5)/Airmass
Airmass

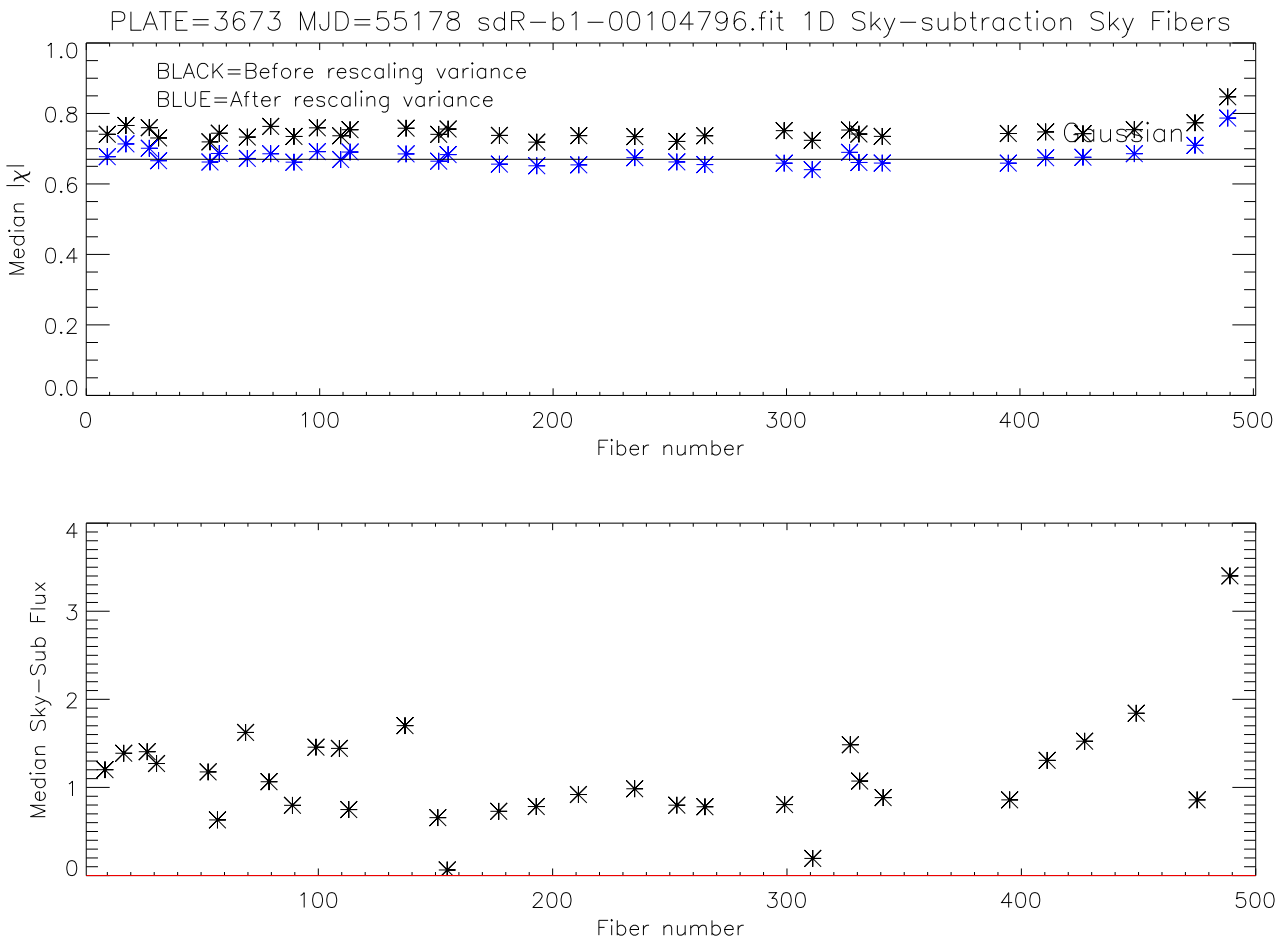

PLATE=3673 MJD=55178 sdR-b1-00104793.fit Skyline Flux at 5578.9
Flux (5578.9)/Airmass
RED = sky fiber
Dispersion = 2.58 %
Fiber number
Focal Distance [mm]
Airmass

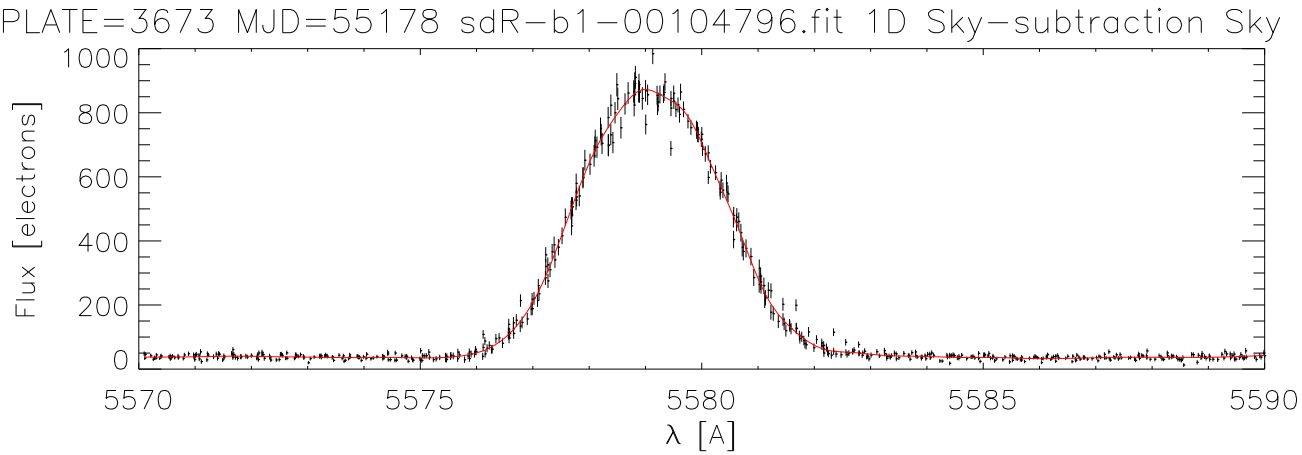

PLATE=3673 MJD=55178 Fiber-Flats for sdR-b1-00104794.fit
BLACK = Median value
ENVELOPE = 95% of points
GREEN = Outlier points
Min value = -2.170
Max value = 10.450
Fiber-Flat
1.5
1.0
0.5
0.0
3000
4000
5000
6000
7000
λ [A]
Sat Aug 27 16:45:18 2011

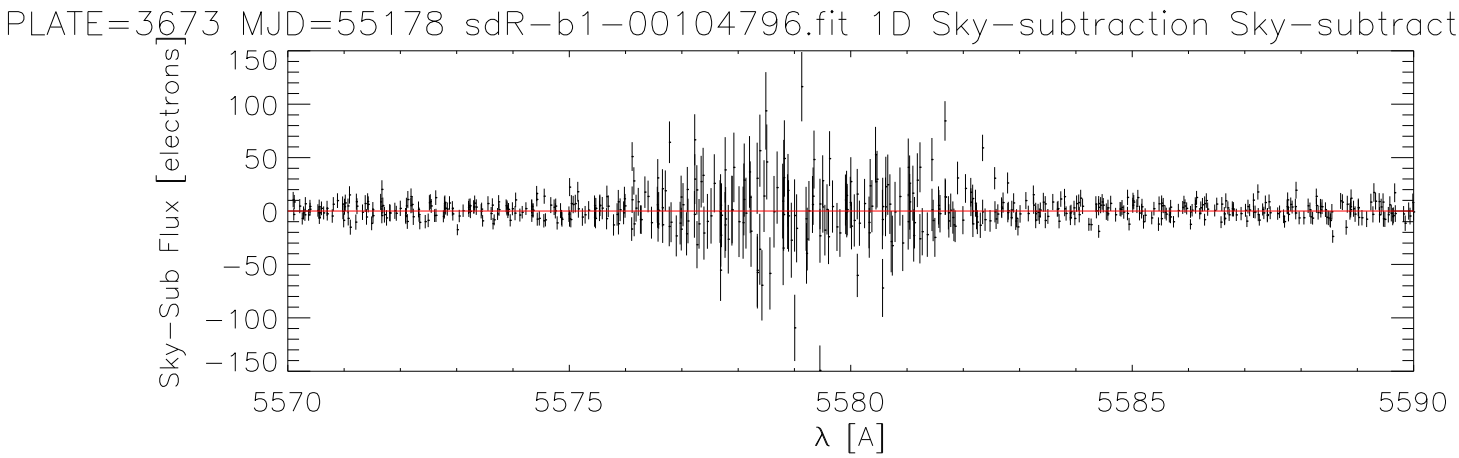

PLATE=3673 MJD=55178 Extraction chi^2 for sdR−b1−00104796.fit
BLACK = Final chisq extraction
χ^2
1.5
1.0
0.5
0.0
0
1000
2000
3000
4000
Row number


PLATE=3673 MJD=55178 Sky Line Deviations for sdR-b1-00104796.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

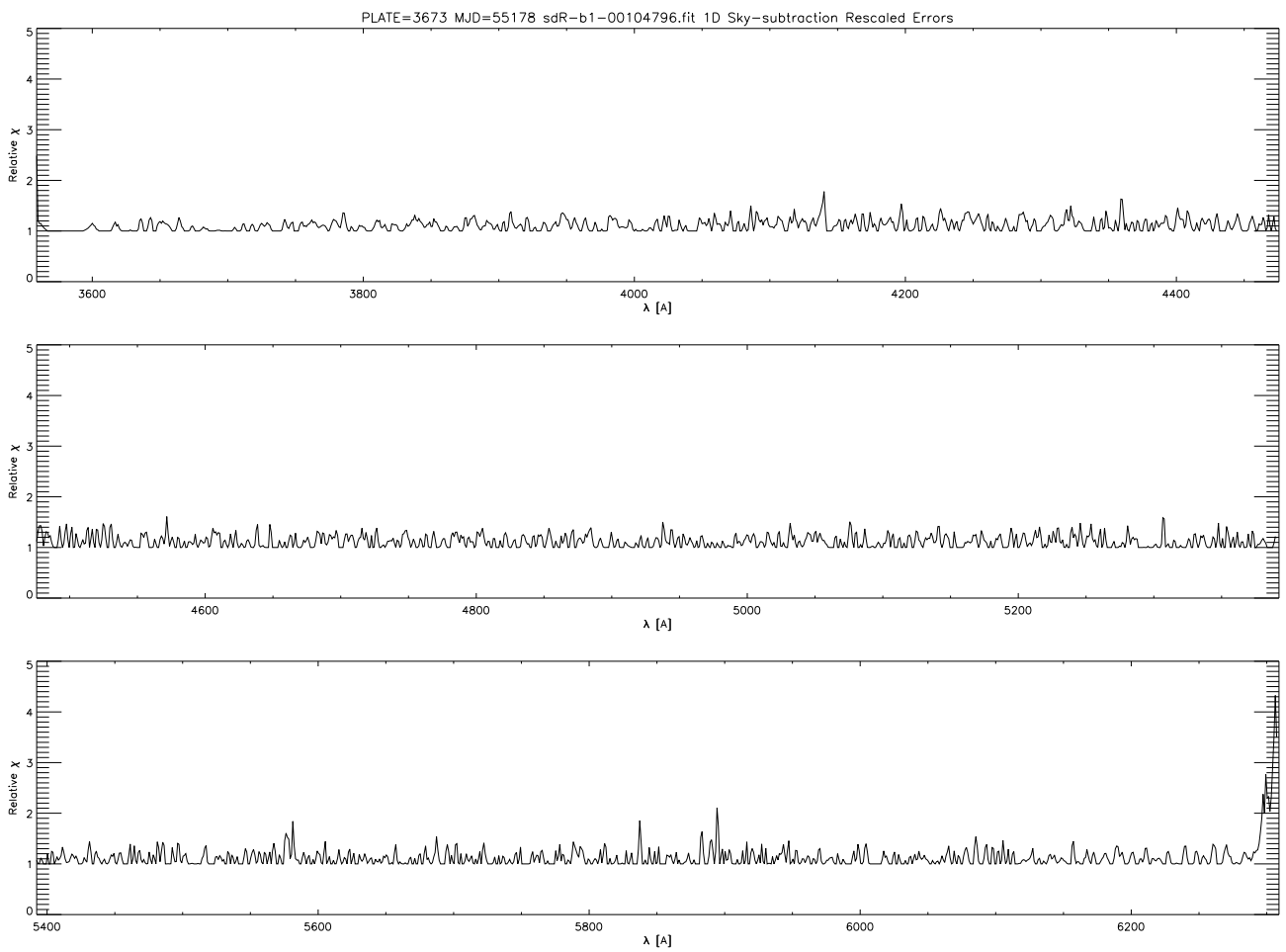

PLATE=3673 MJD=55178 Smooth superflat for sdR-b1-00104796.fit
2.5
2.0
1.5
1.0
0.5
0.0
1.04
1.02
1.00
0.98
0.96
3000
4000
5000
6000
7000
Wavelength (Å)

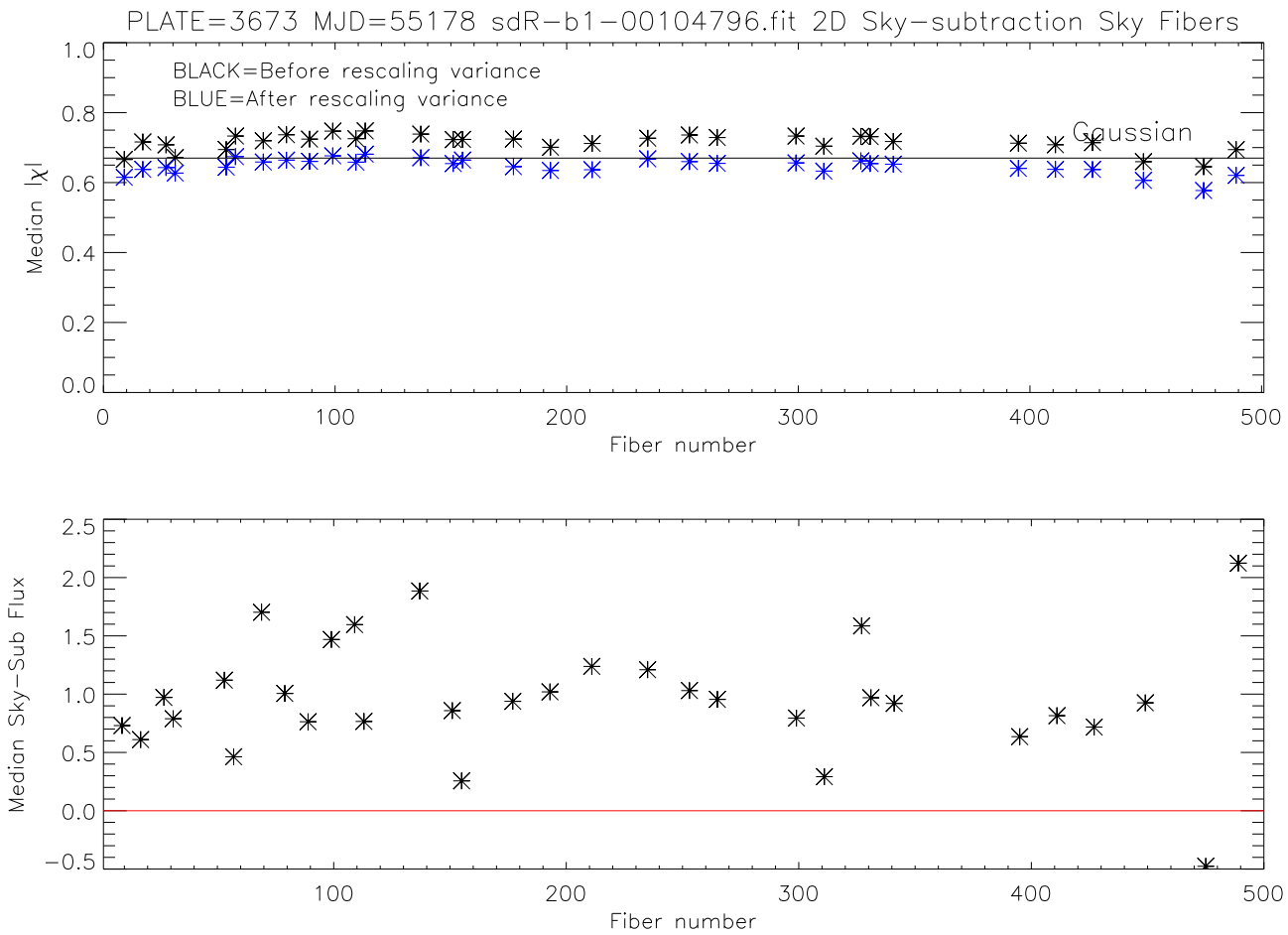

PLATE=3673 MJD=55178 sdR-b1-00104796.fit 1D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

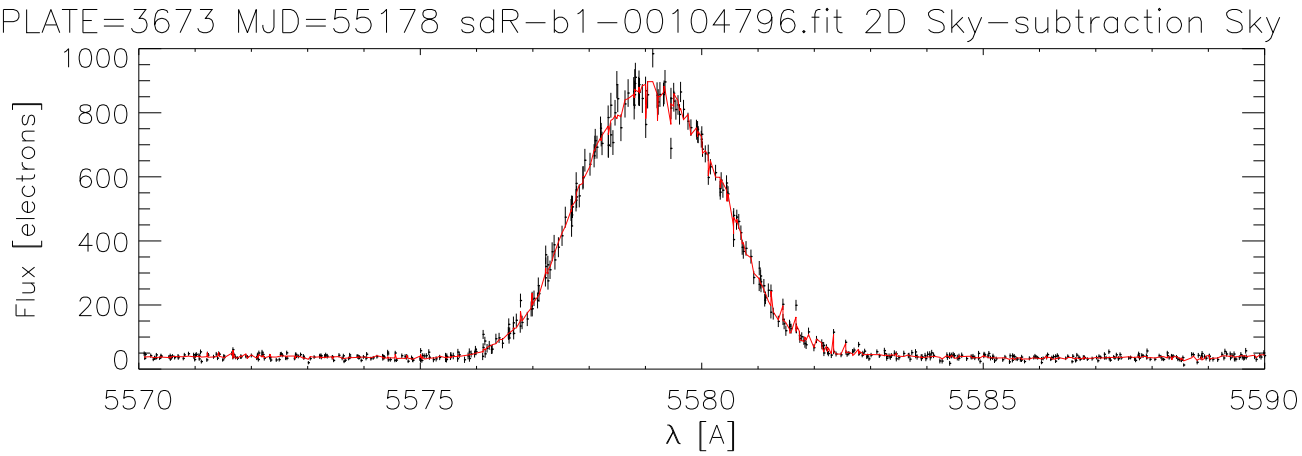

PLATE=3673 MJD=55178 sdR-b1-00104796.fit 1D Sky-subtraction Sky Fibers
Flux [electrons]
1000
800
600
400
200
0
5570
5575
5580
5585
5590
λ [A]

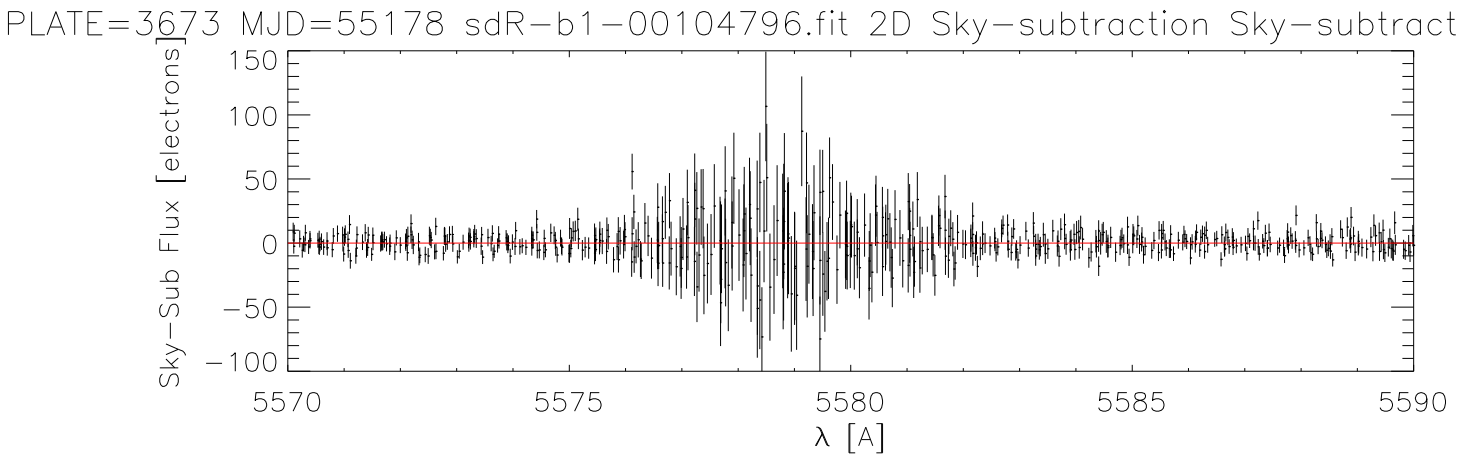

PLATE=3673 MJD=55178 sdR-b1-00104796.fit 1D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
150
100
50
0
-50
-100
-150
5570
5575
5580
5585
5590
λ [A]

Number of sky fibers = 32

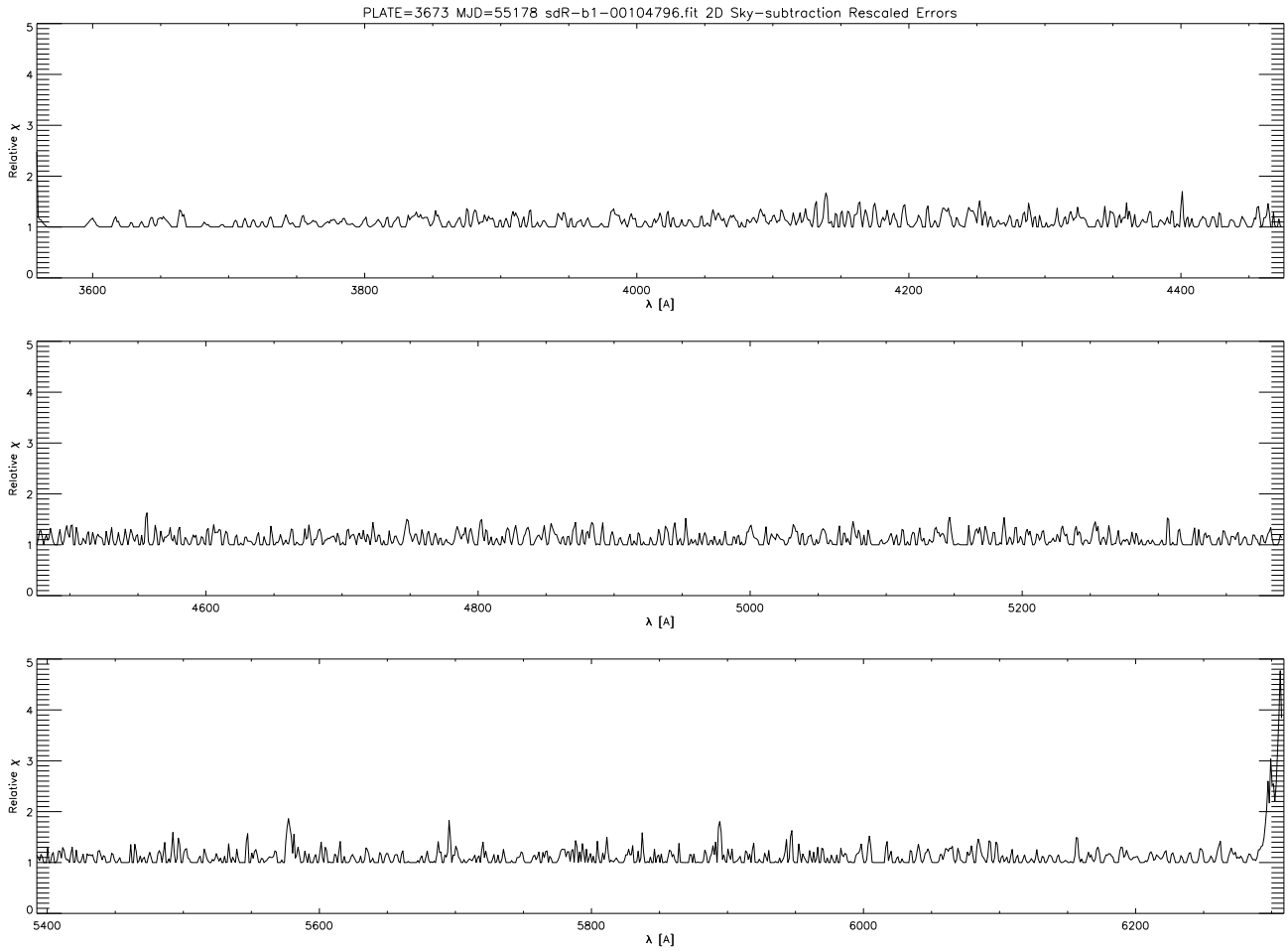


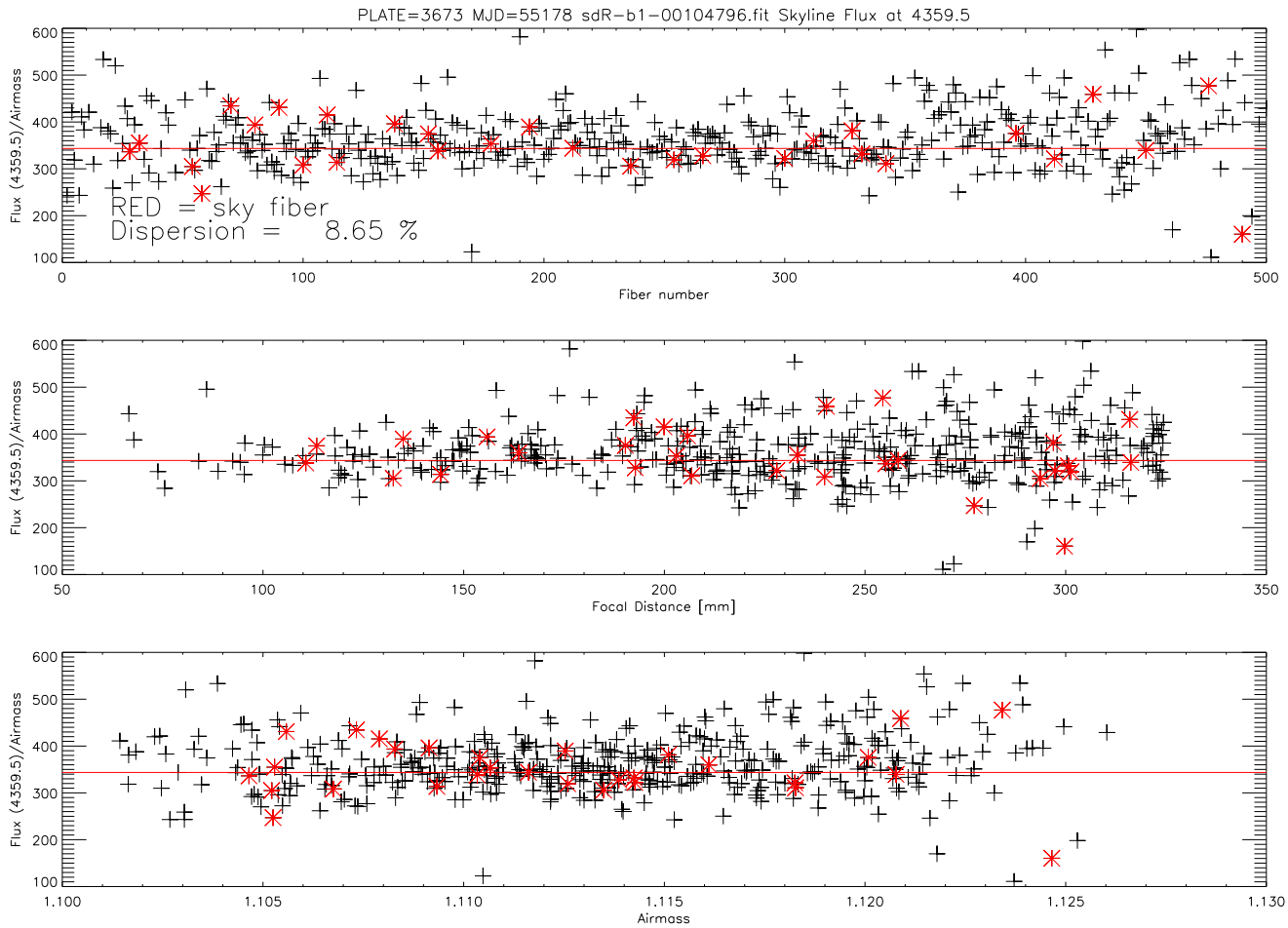

PLATE=3673 MJD=55178 sdR-b1-00104796.fit 2D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

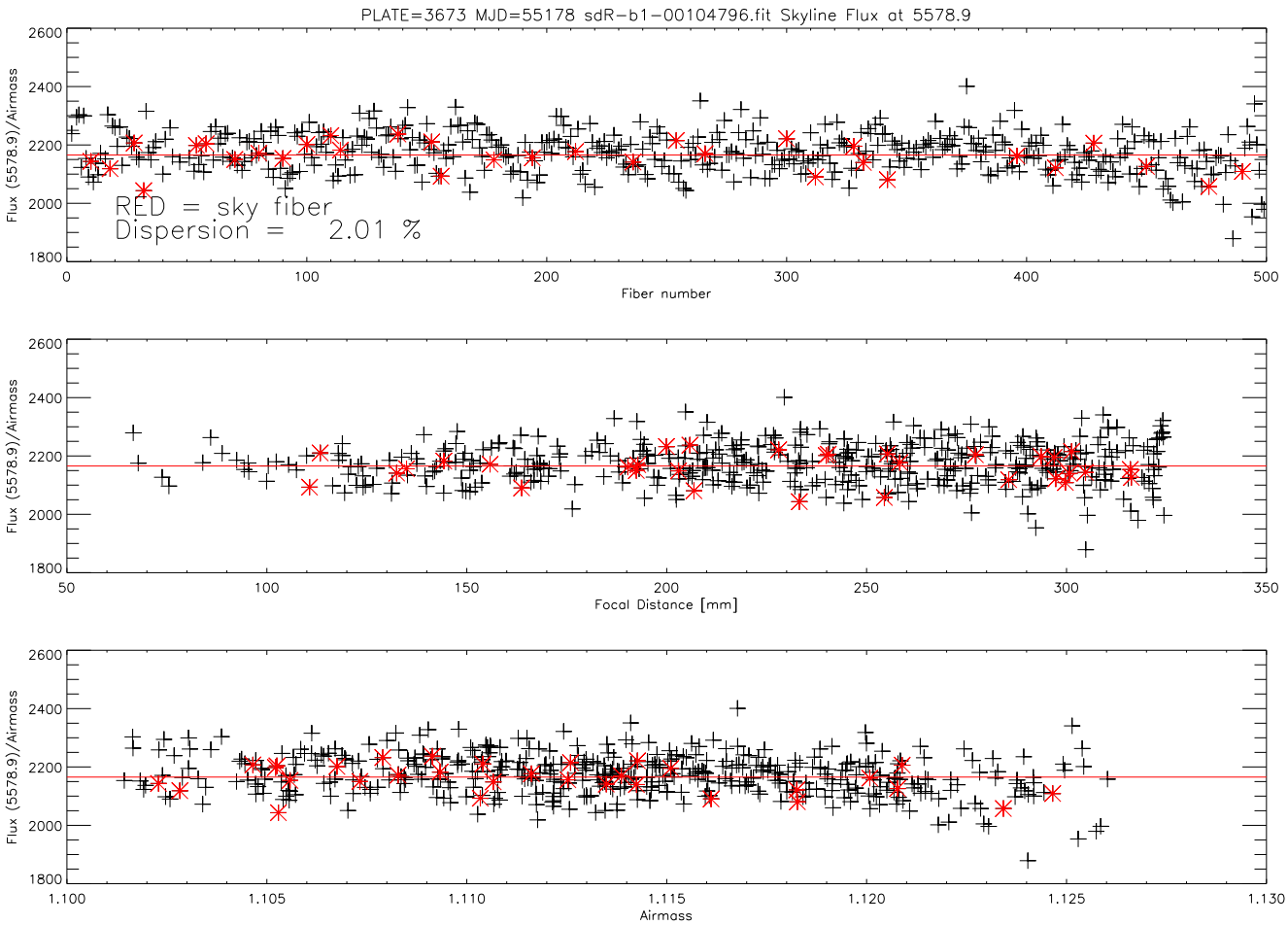

PLATE=3673 MJD=55178 sdR-b1-00104796.fit 2D Sky-subtraction Sky Fibers
Flux [electrons]
1000
800
600
400
200
0
5570
5575
5580
5585
5590
λ [A]

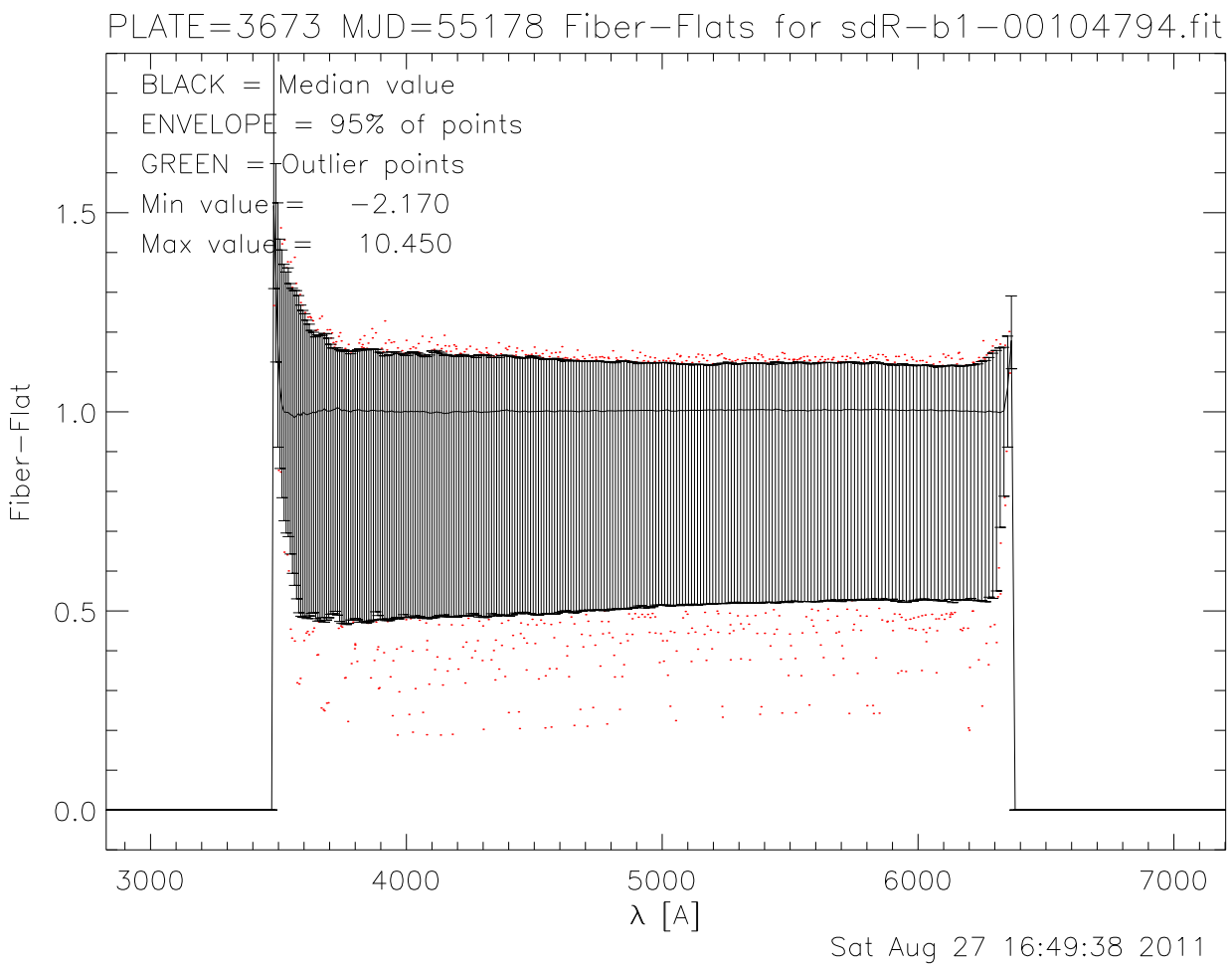

PLATE=3673 MJD=55178 sdR-b1-00104796.fit 2D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
150
100
50
0
−50
−100
5570
5575
5580
5585
5590
λ [A]

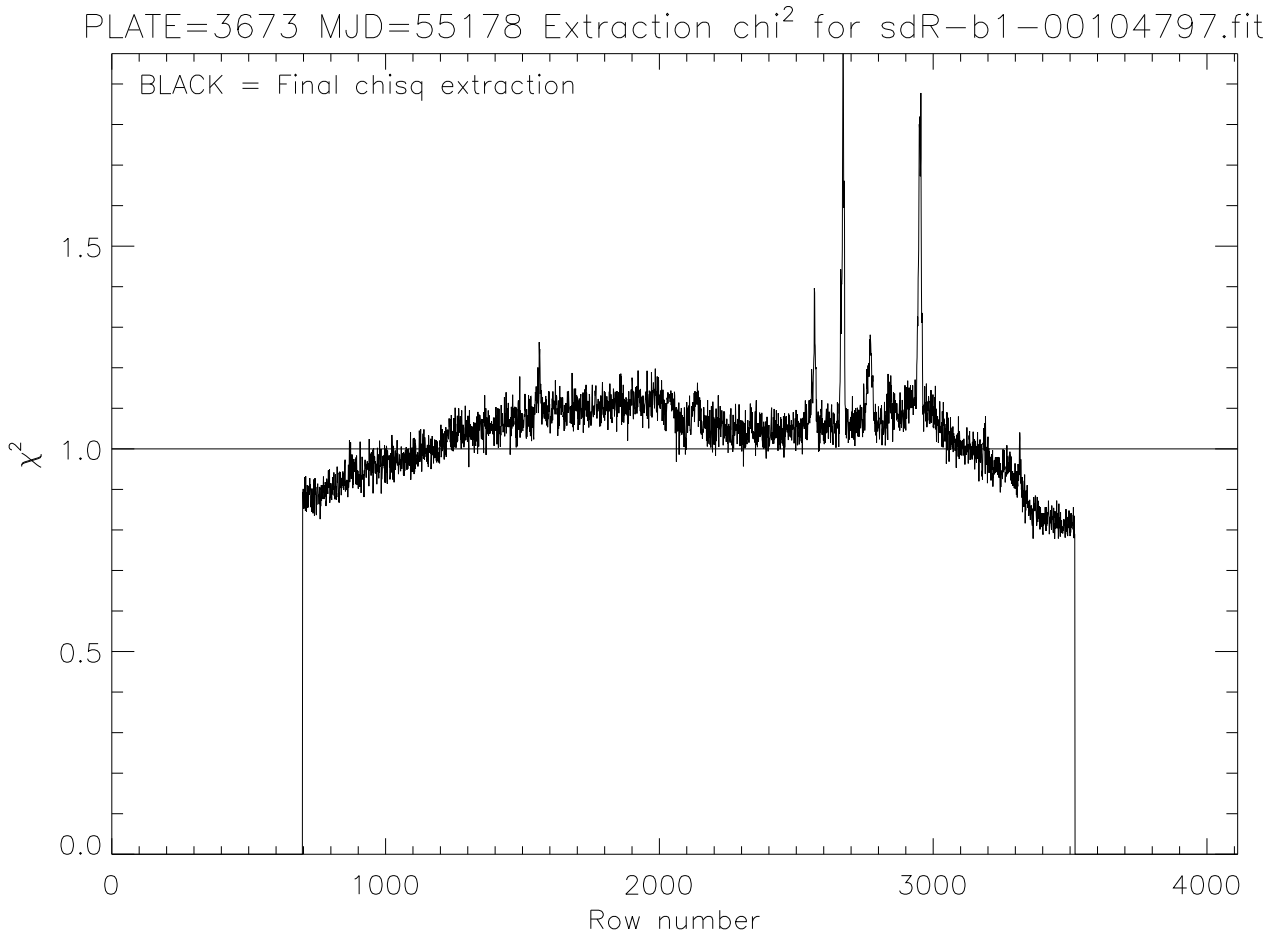
Number of sky fibers = 32

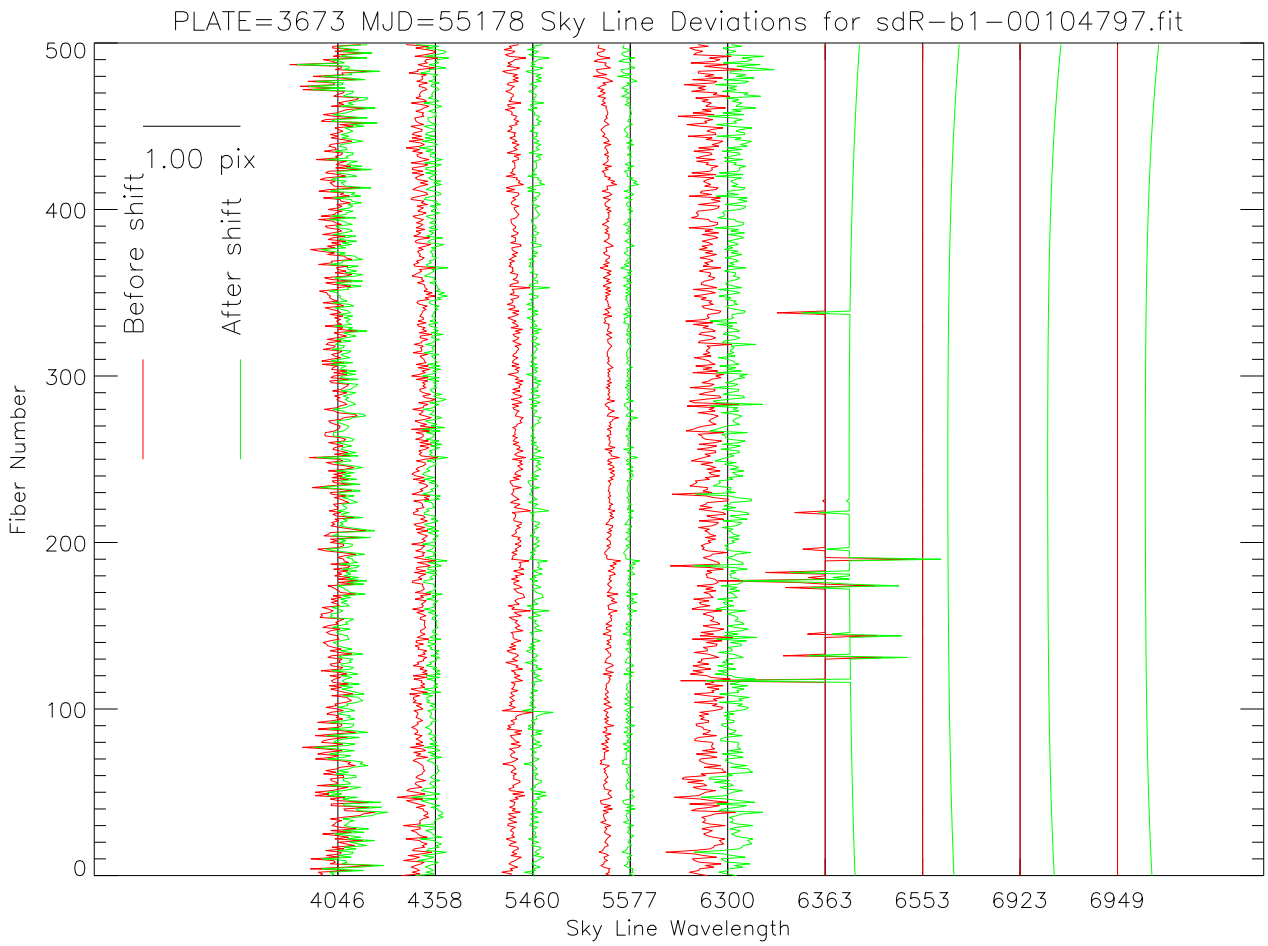


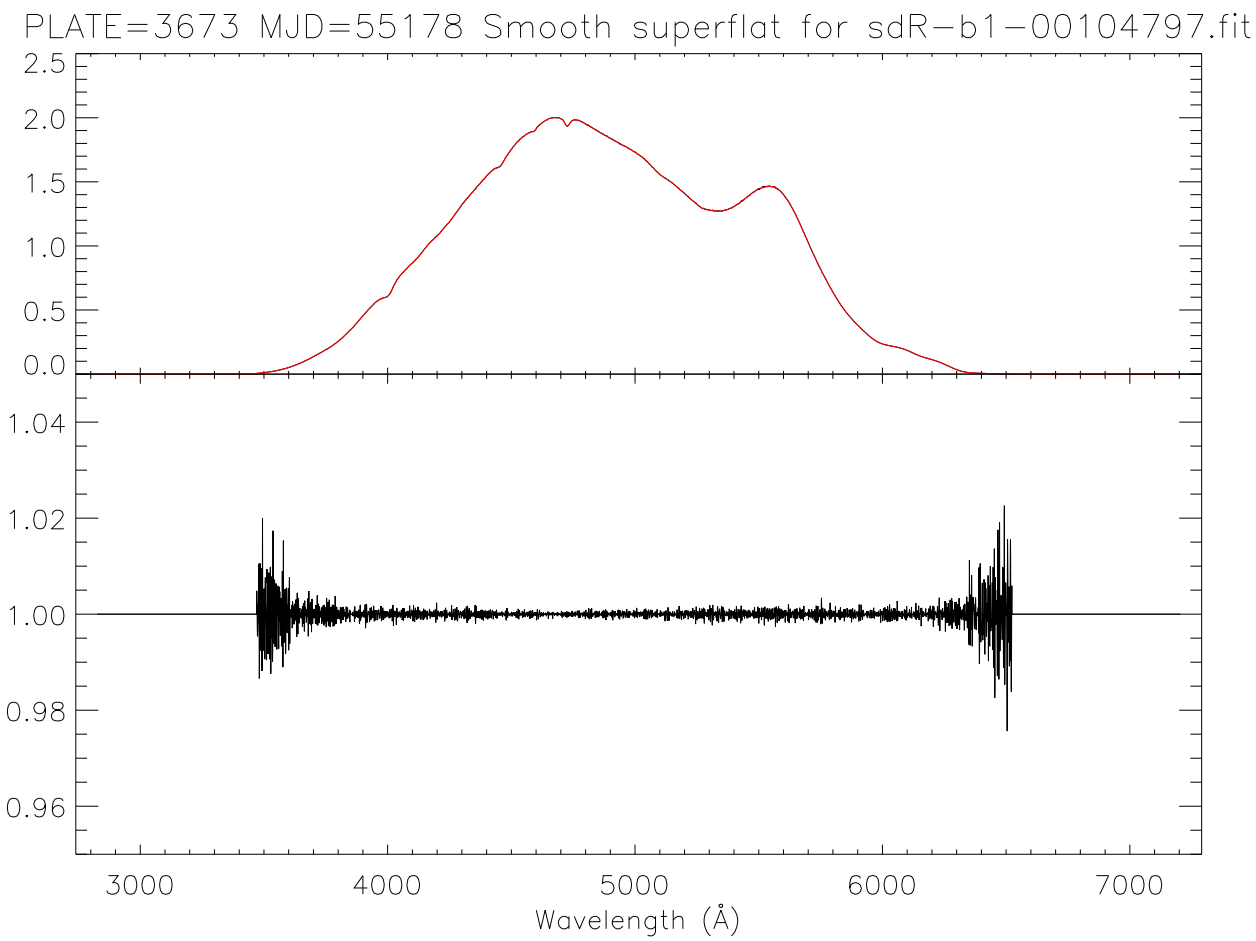

PLATE=3673 MJD=55178 sdR-b1-00104796.fit Skyline Flux at 4359.5
Flux (4359.5)/Airmass
Fiber number
RED = sky fiber
Dispersion = 8.65 %
Flux (4359.5)/Airmass
Focal Distance [mm]
Flux (4359.5)/Airmass
Airmass

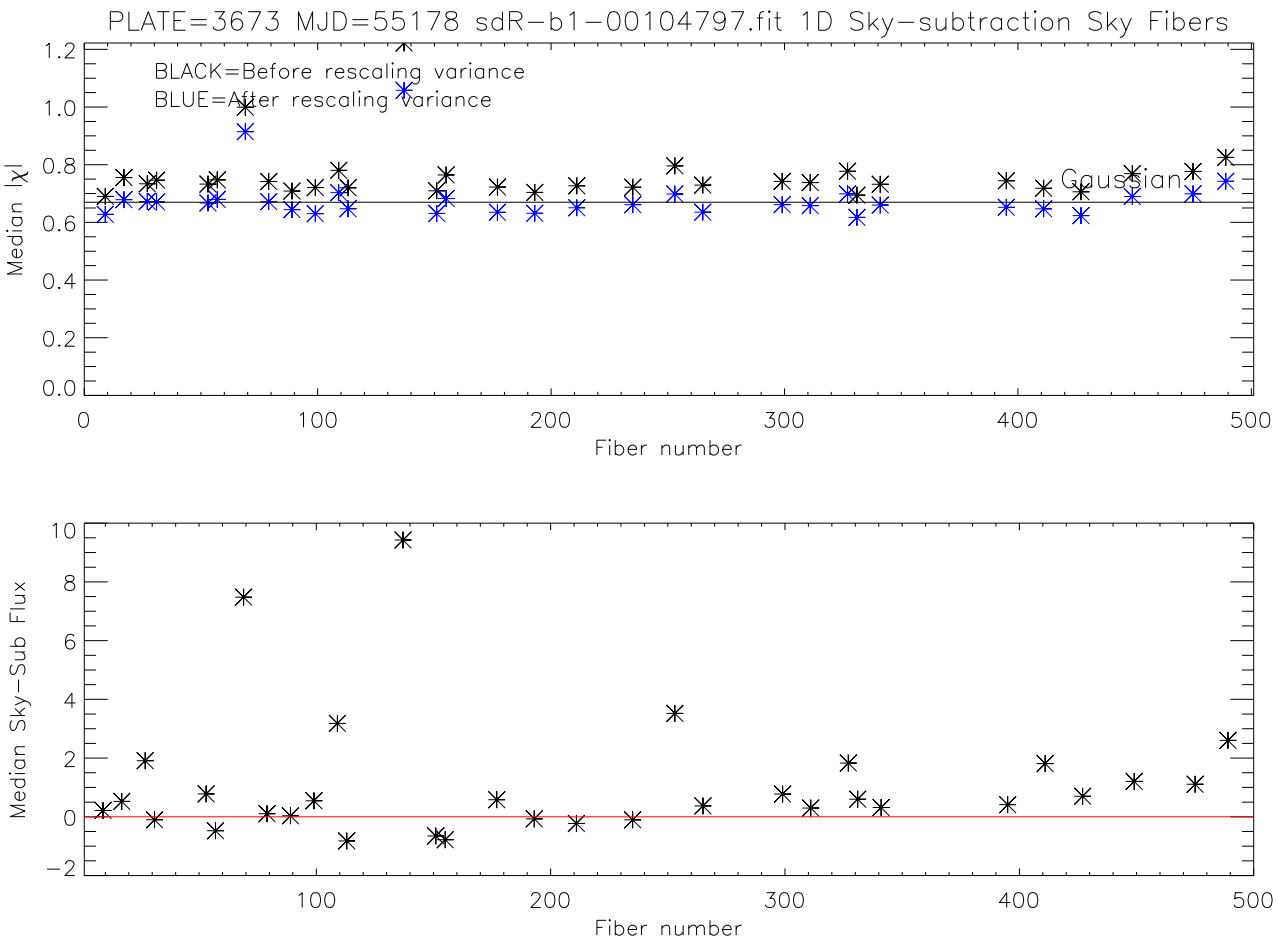

PLATE=3673 MJD=55178 sdR-b1-00104796.fit Skyline Flux at 5578.9
Flux (5578.9)/Airmass
RED = sky fiber
Dispersion = 2.01 %
Fiber number
Flux (5578.9)/Airmass
Focal Distance [mm]
Flux (5578.9)/Airmass
Airmass

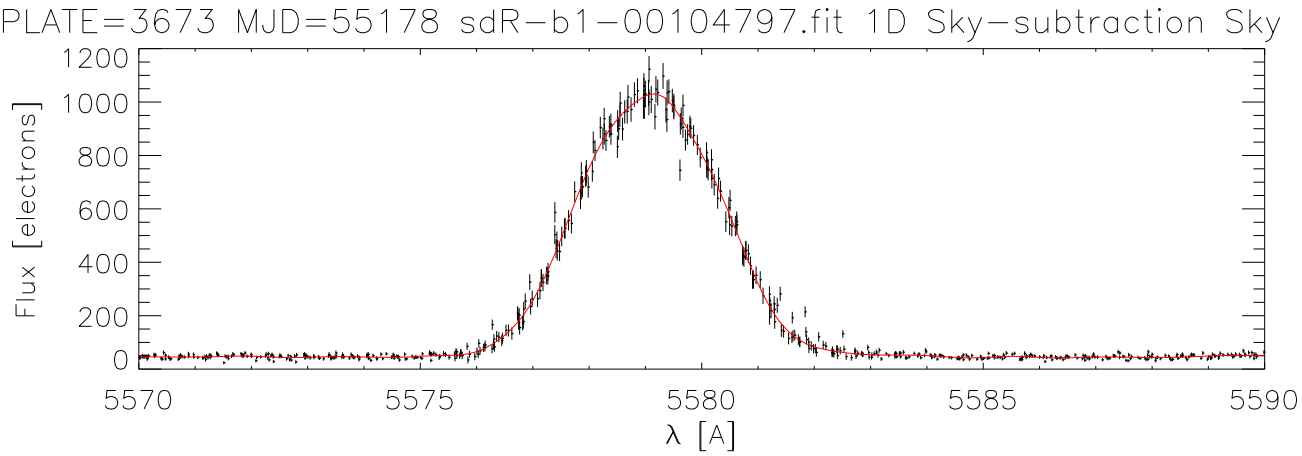

PLATE=3673 MJD=55178 Fiber-Flats for sdR-b1-00104794.fit
BLACK = Median value
ENVELOPE = 95% of points
GREEN = Outlier points
Min value = -2.170
Max value = 10.450
Fiber-Flat
1.5
1.0
0.5
0.0
3000
4000
5000
6000
7000
λ [A]
Sat Aug 27 16:49:38 2011

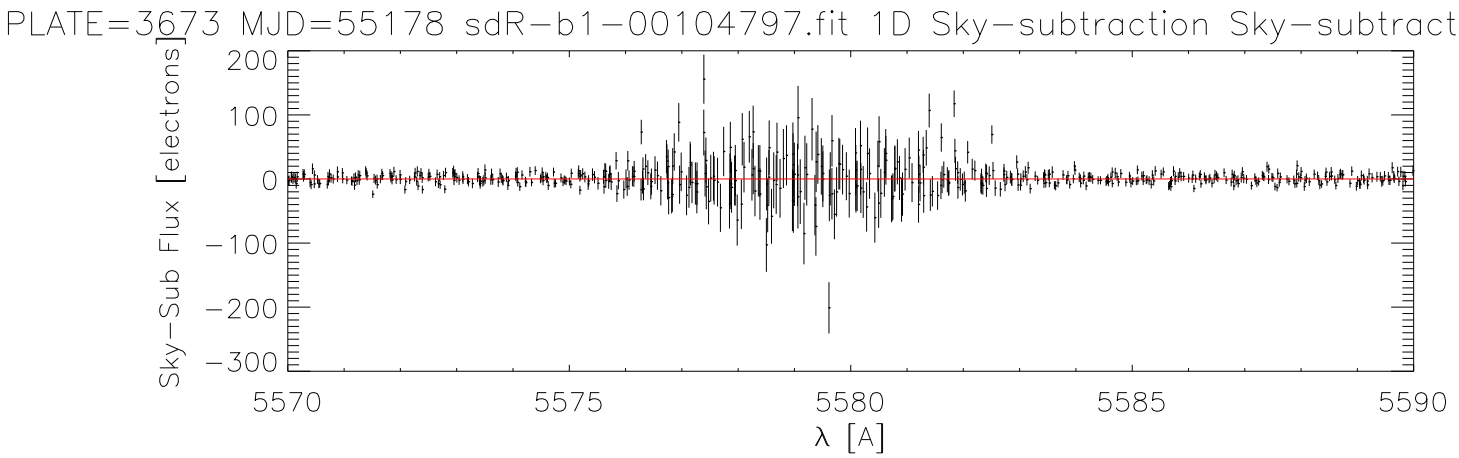

PLATE=3673 MJD=55178 Extraction chi^2 for sdR-b1-00104797.fit
BLACK = Final chisq extraction
χ^2
0.0
0.5
1.0
1.5
0
1000
2000
3000
4000
Row number


PLATE=3673 MJD=55178 Sky Line Deviations for sdR-b1-00104797.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

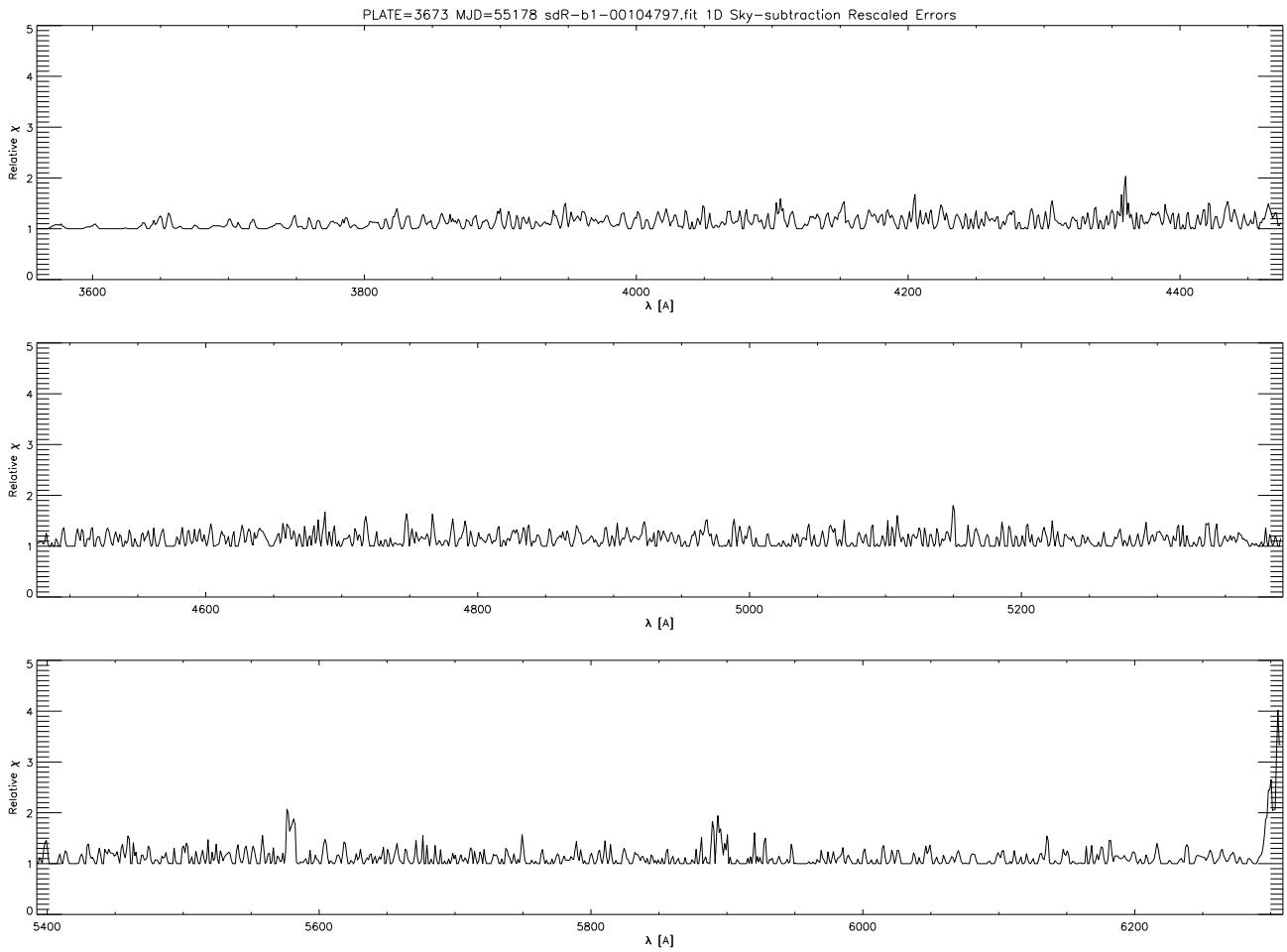

PLATE=3673 MJD=55178 Smooth superflat for sdR-b1-00104797.fit
2.5
2.0
1.5
1.0
0.5
0.0
1.04
1.02
1.00
0.98
0.96
3000
4000
5000
6000
7000
Wavelength (Å)

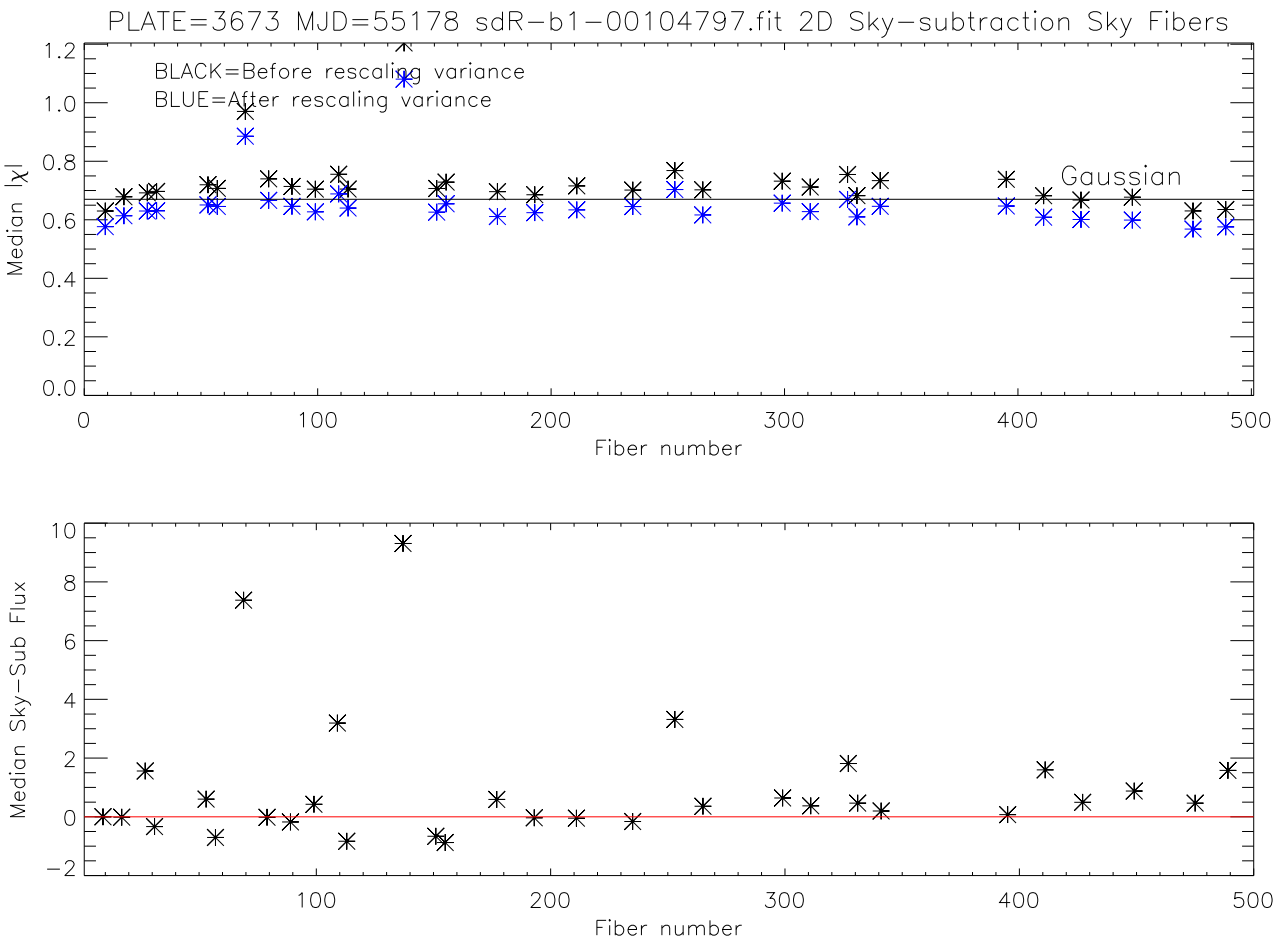

PLATE=3673 MJD=55178 sdR-b1-00104797.fit 1D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

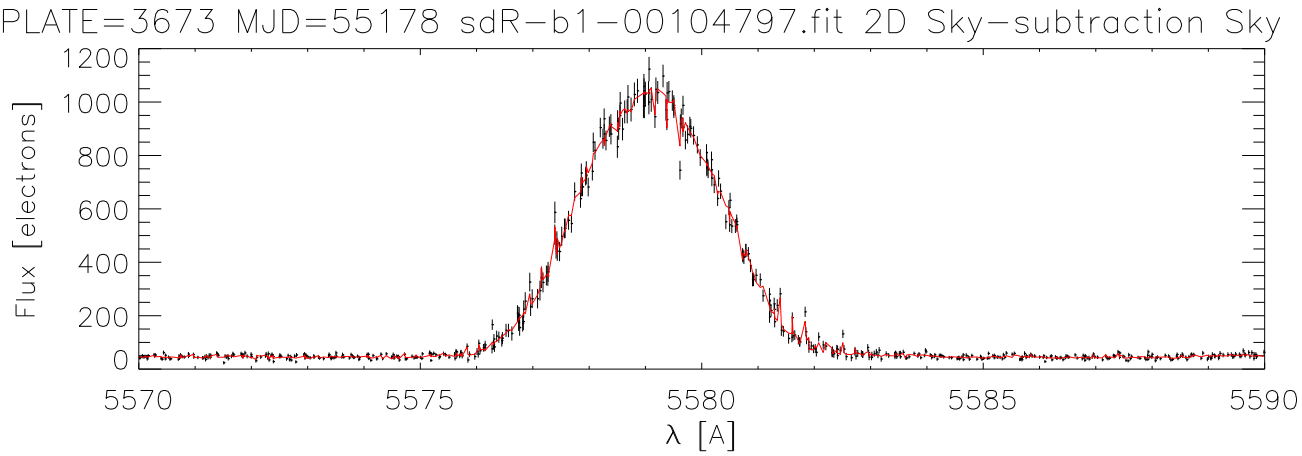

PLATE=3673 MJD=55178 sdR-b1-00104797.fit 1D Sky-subtraction Sky Fibers
Flux [electrons]
1200
1000
800
600
400
200
0
5570
5575
5580
5585
5590
λ [A]

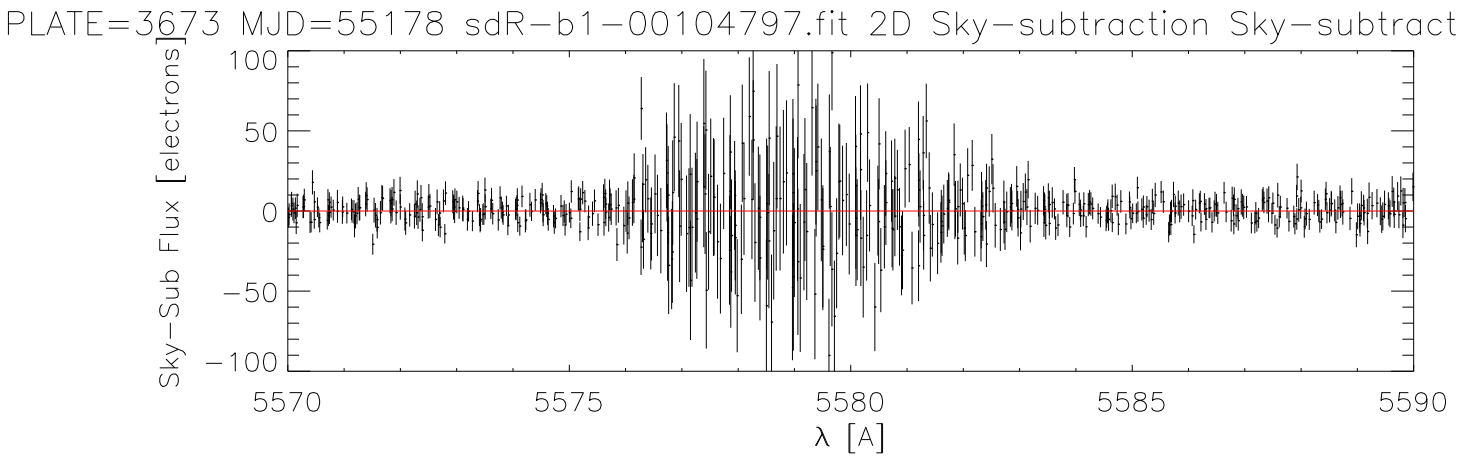

PLATE=3673 MJD=55178 sdR-b1-00104797.fit 1D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
200
100
0
-100
-200
-300
5570
5575
5580
5585
5590
λ [A]

Number of sky fibers = 32

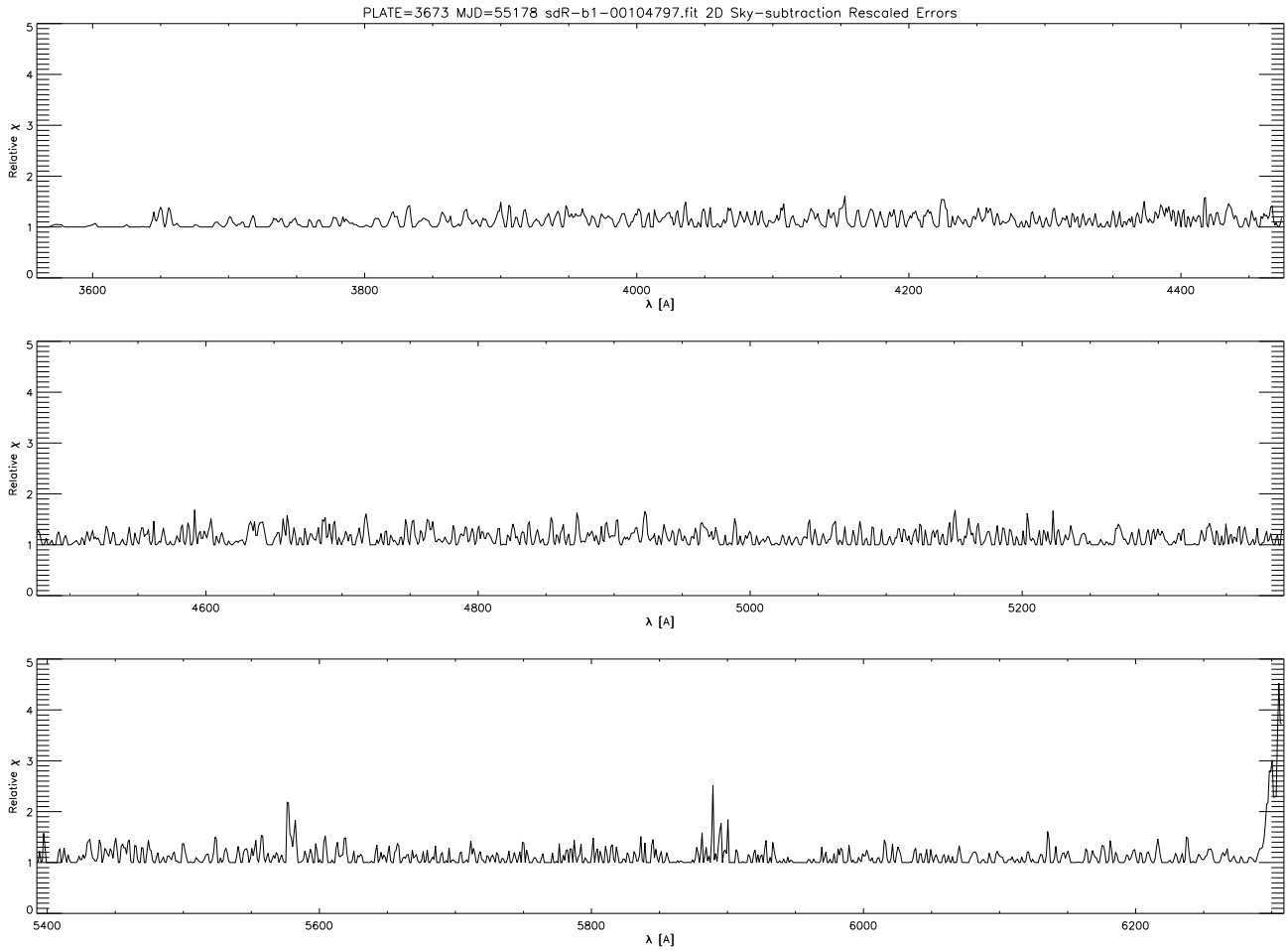


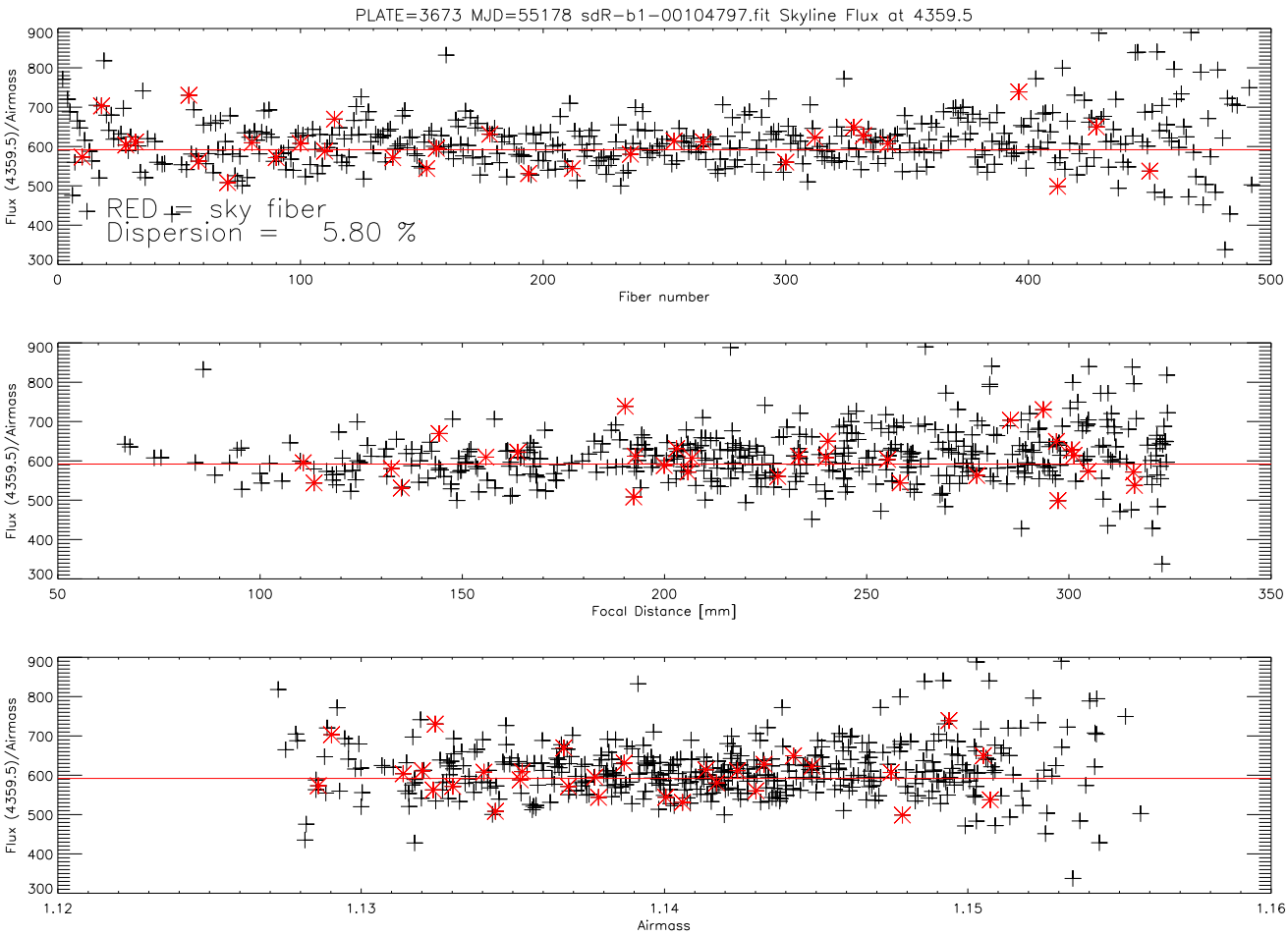

PLATE=3673 MJD=55178 sdR-b1-00104797.fit 2D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

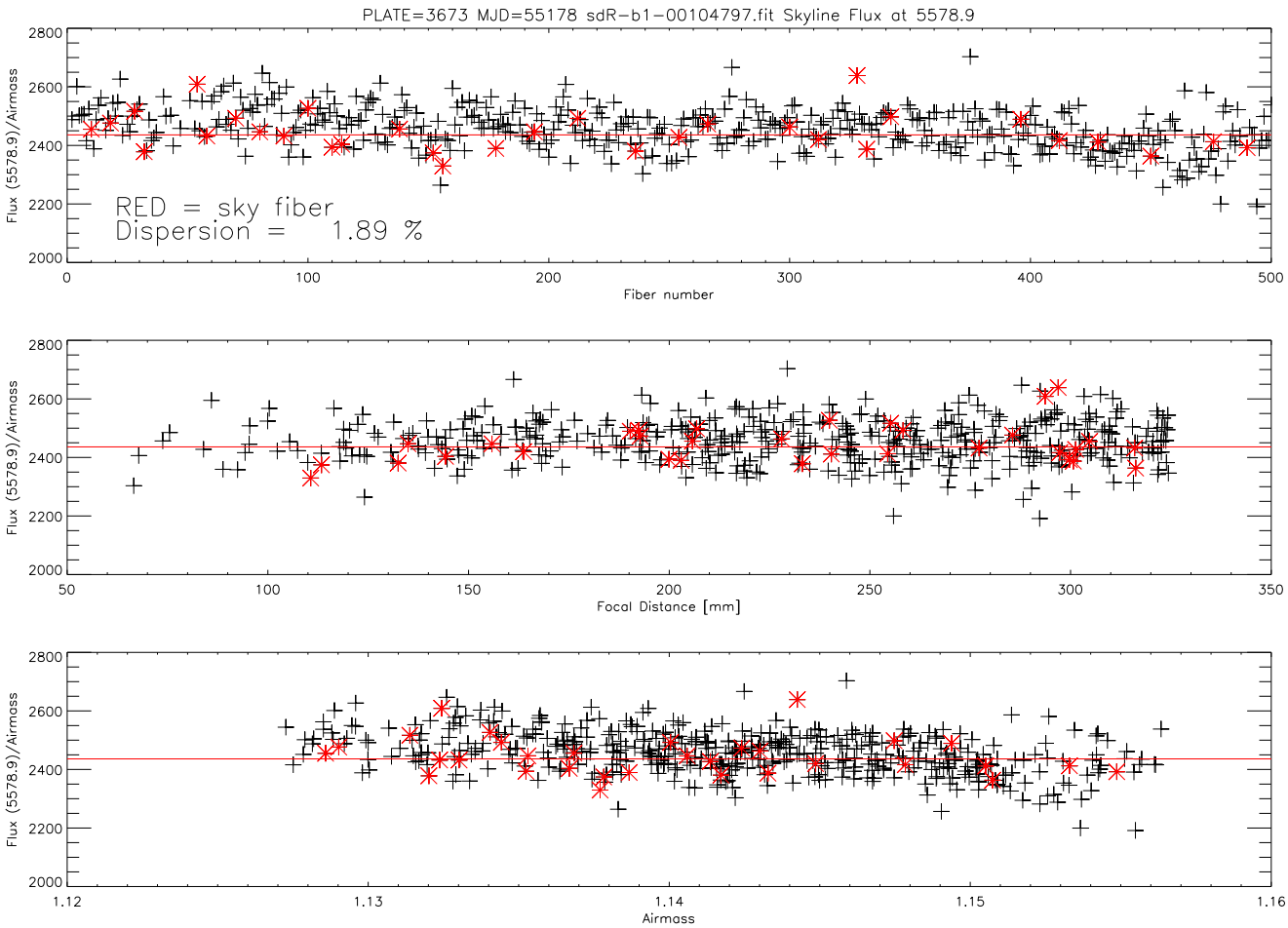

PLATE=3673 MJD=55178 sdR-b1-00104797.fit 2D Sky-subtraction Sky Fibers
Flux [electrons]
1200
1000
800
600
400
200
0
5570
5575
5580
5585
5590
λ [A]

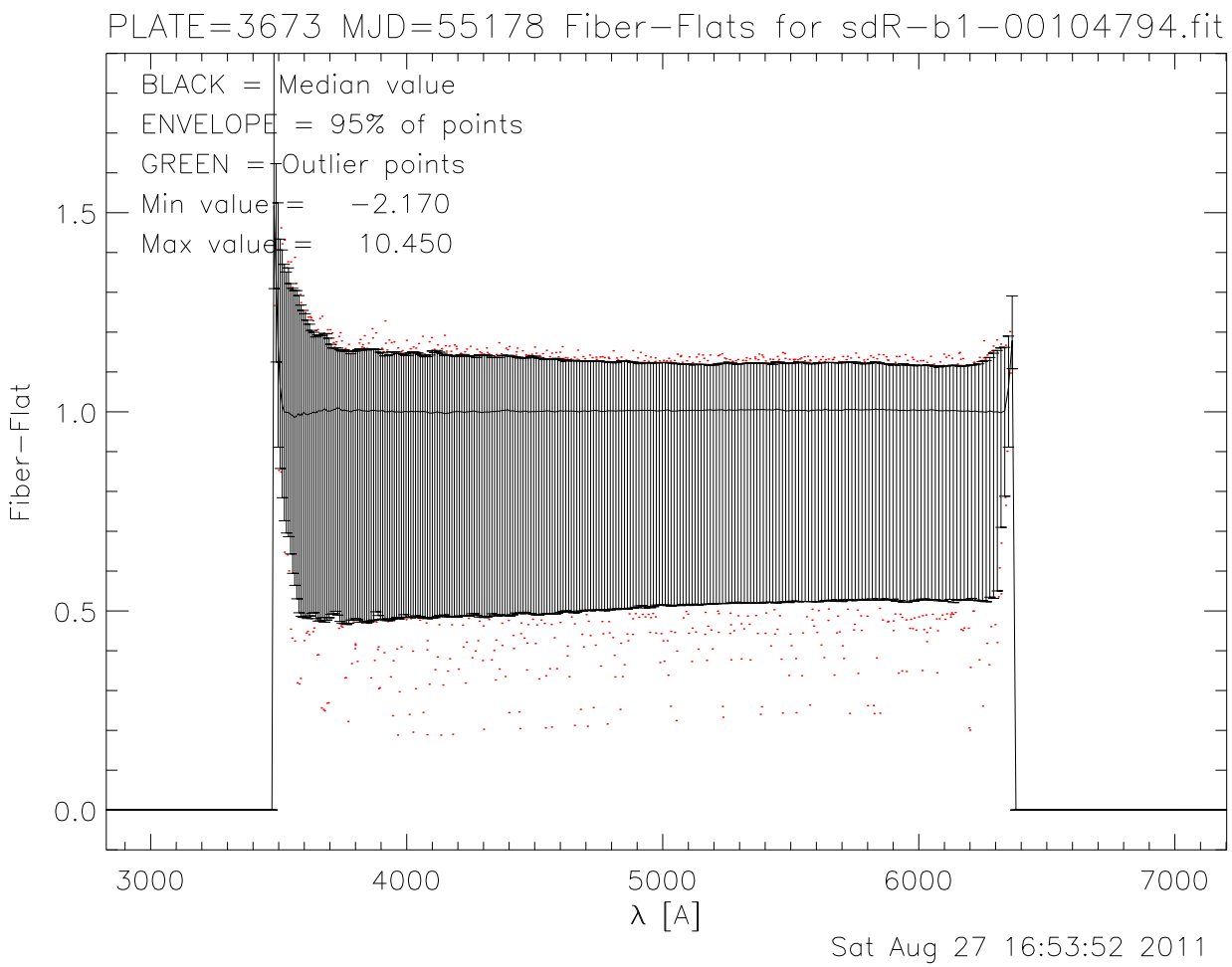

PLATE=3673 MJD=55178 sdR-b1-00104797.fit 2D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
100
50
0
-50
-100
5570
5575
5580
5585
5590
λ [A]

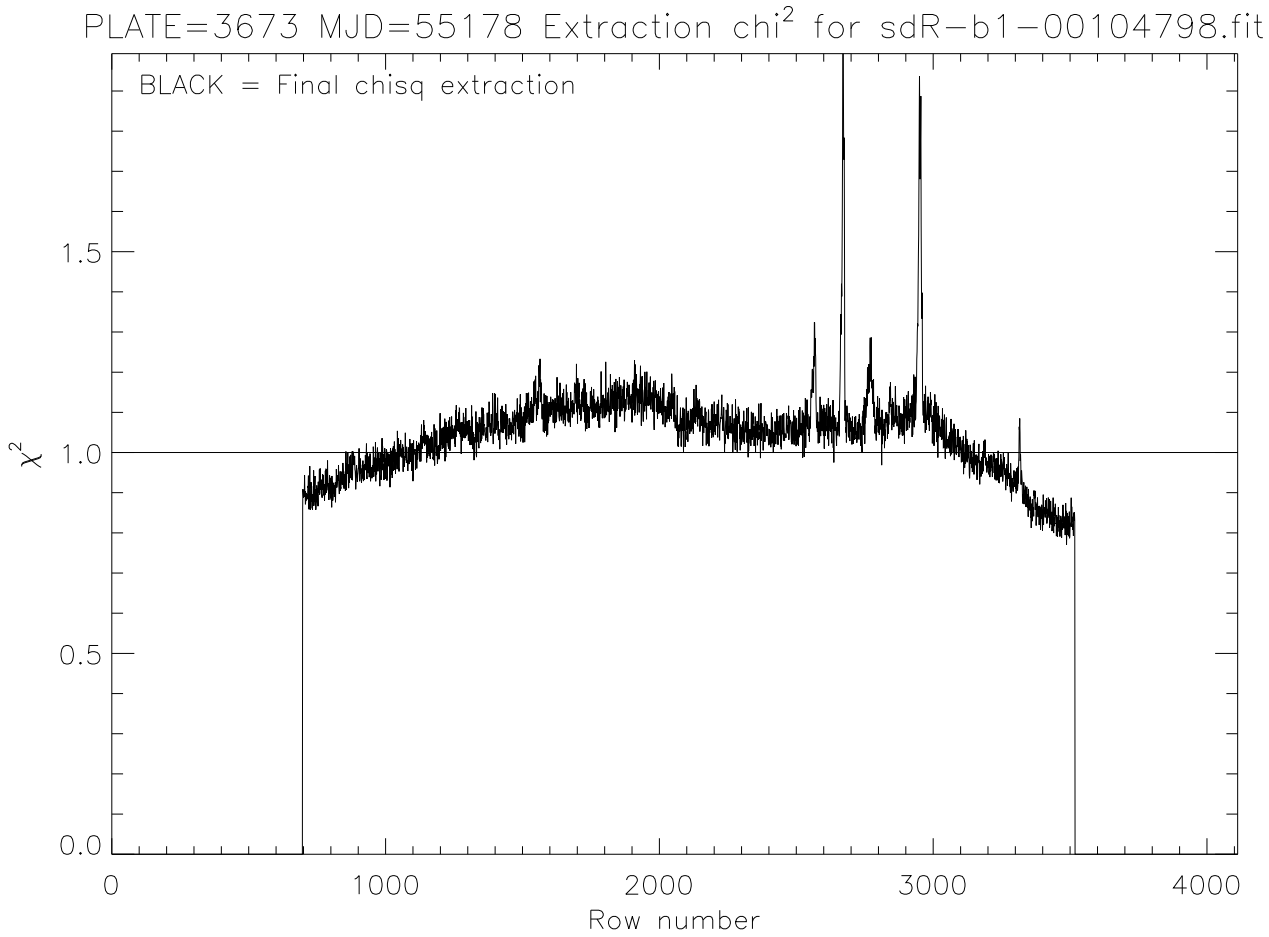
Number of sky fibers = 32

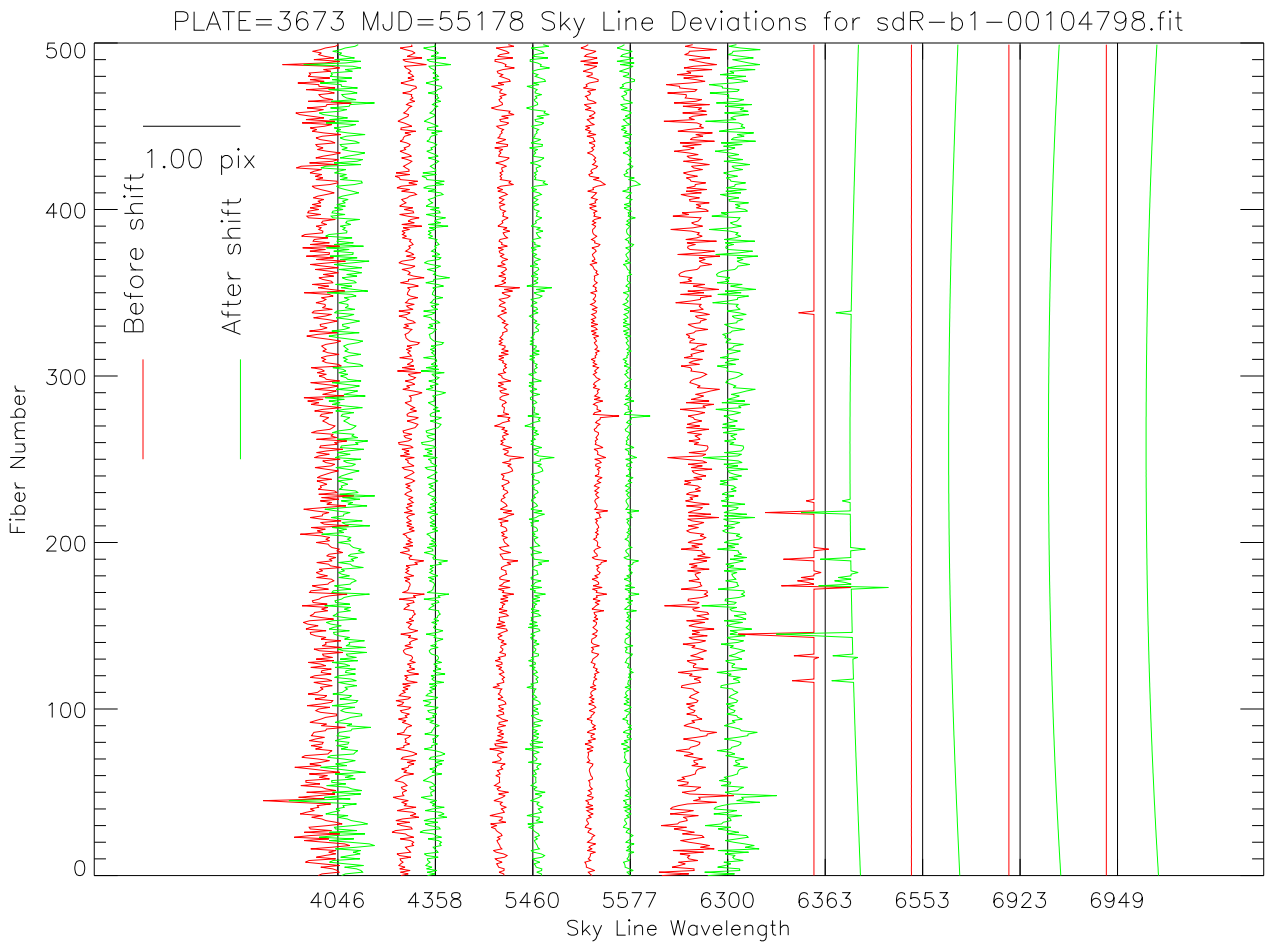


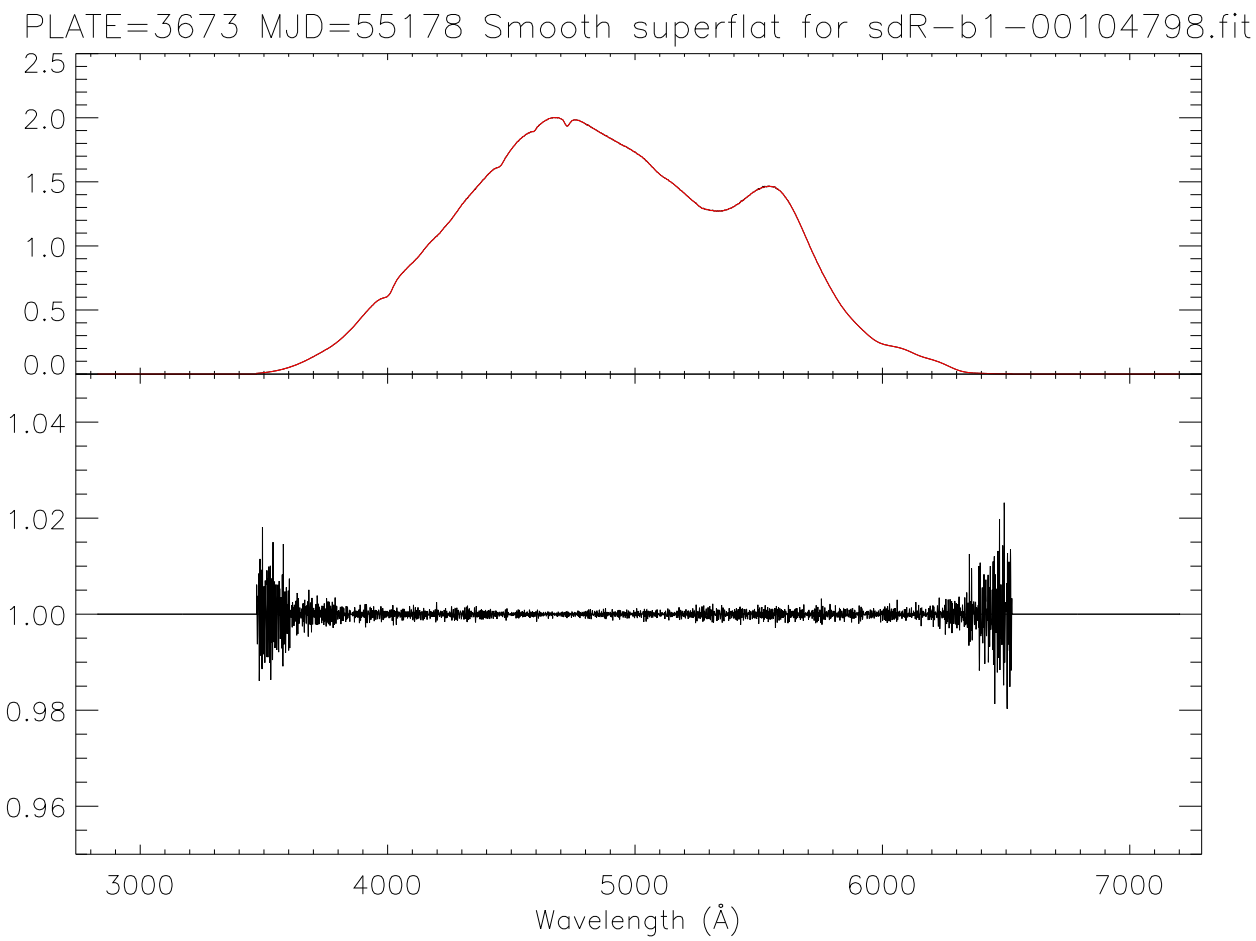

PLATE=3673 MJD=55178 sdR-b1-00104797.fit Skyline Flux at 4359.5
Flux (4359.5)/Airmass
Fiber number
+ RED = sky fiber
Dispersion = 5.80 %
Flux (4359.5)/Airmass
Focal Distance [mm]
Flux (4359.5)/Airmass
Airmass

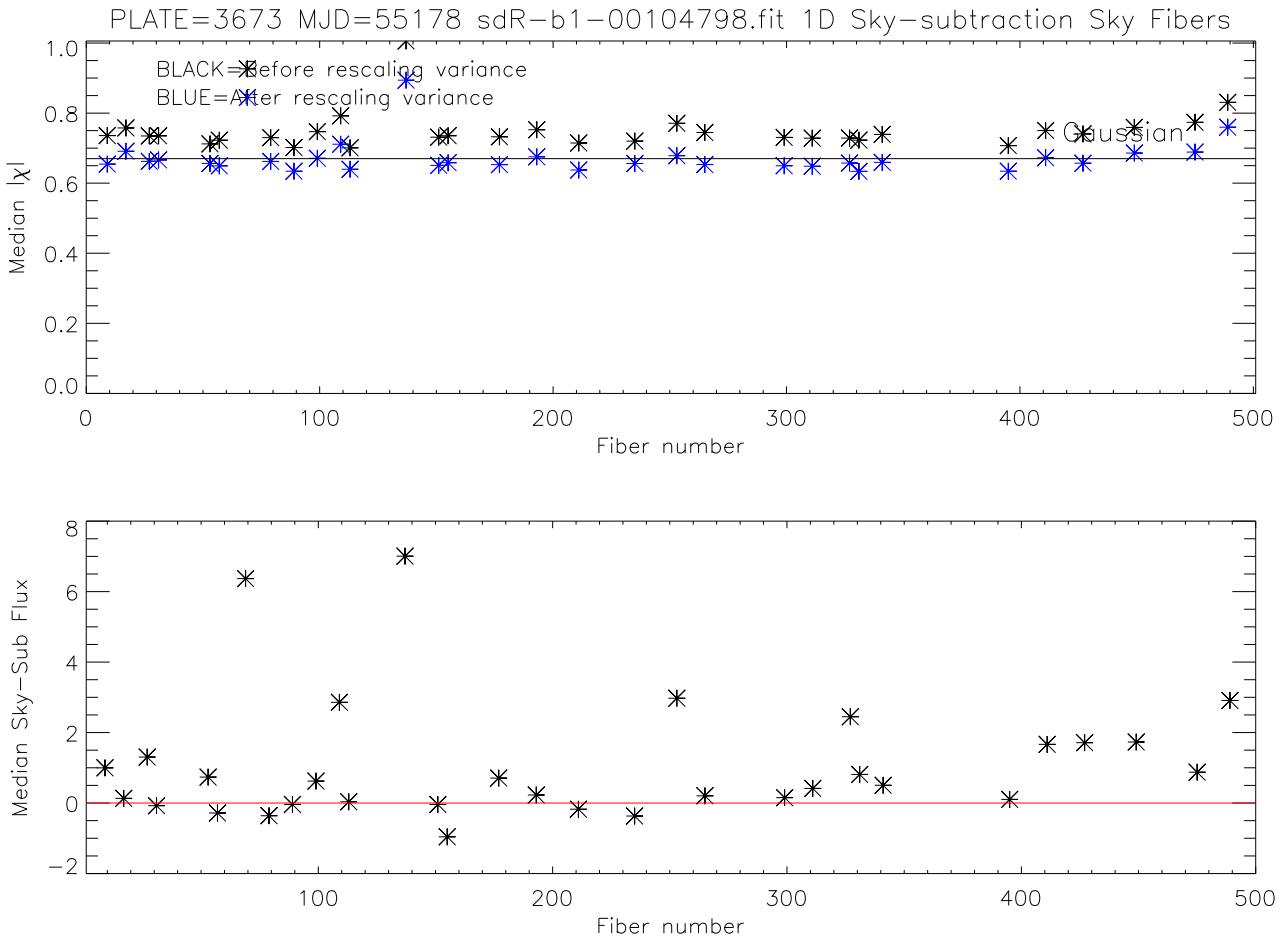

PLATE=3673 MJD=55178 sdR-b1-00104797.fit Skyline Flux at 5578.9
Flux (5578.9)/Airmass
RED = sky fiber
Dispersion = 1.89 %
Fiber number
Focal Distance [mm]
Airmass

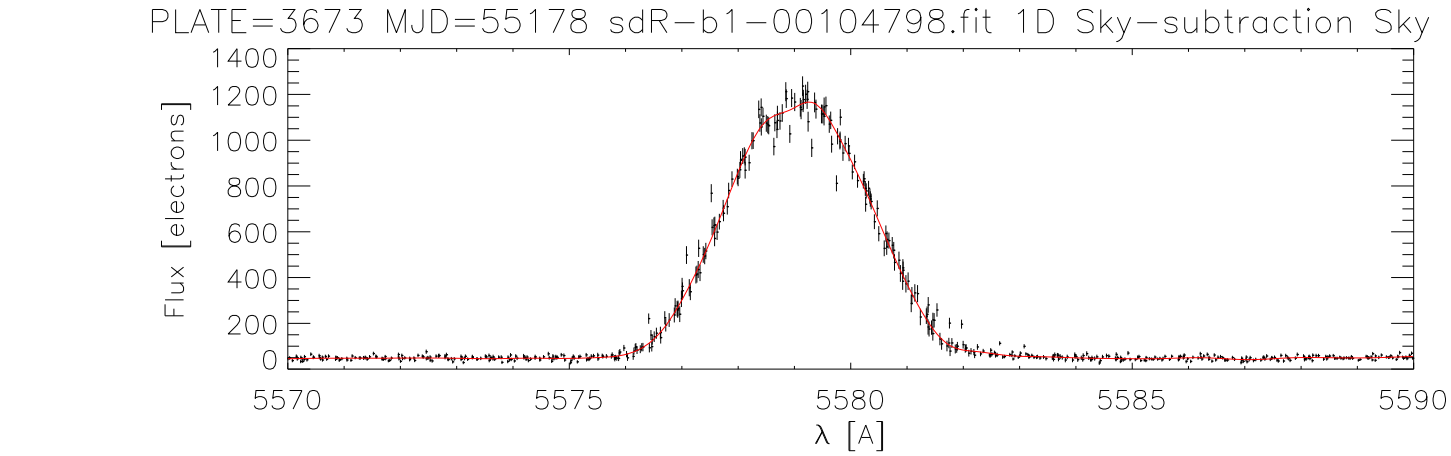

PLATE=3673 MJD=55178 Fiber-Flats for sdR-b1-00104794.fit
BLACK = Median value
ENVELOPE = 95% of points
GREEN = Outlier points
Min value = -2.170
Max value = 10.450
Fiber-Flat
1.5
1.0
0.5
0.0
3000
4000
5000
6000
7000
λ [A]
Sat Aug 27 16:53:52 2011

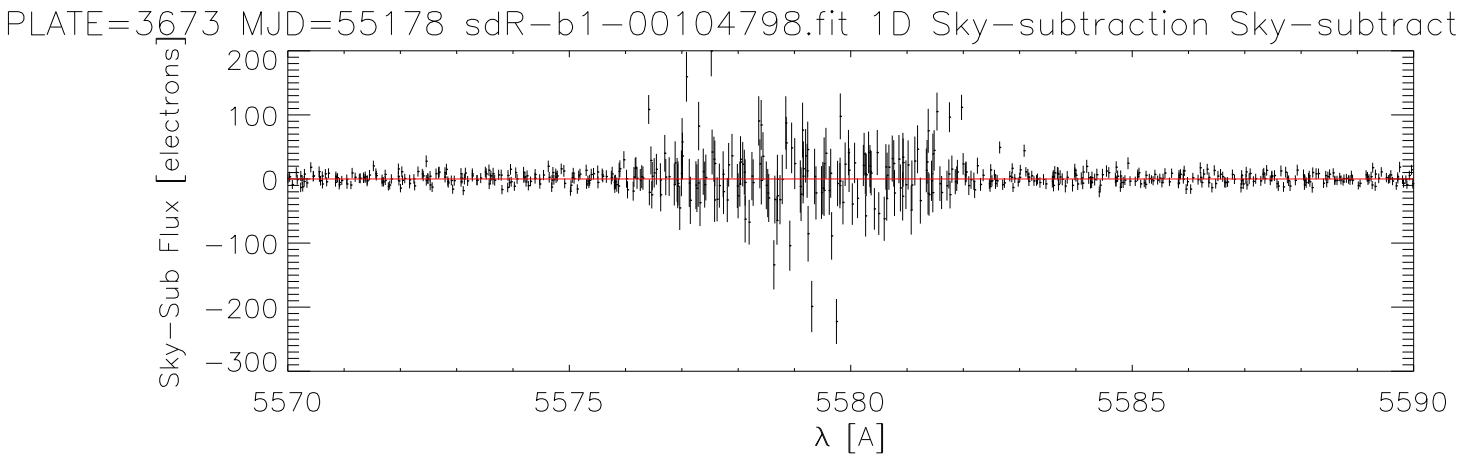

PLATE=3673 MJD=55178 Extraction chi^2 for sdR−b1−00104798.fit
BLACK = Final chisq extraction
χ^2
0.0
0.5
1.0
1.5
0
1000
2000
3000
4000
Row number


PLATE=3673 MJD=55178 Sky Line Deviations for sdR-b1-00104798.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

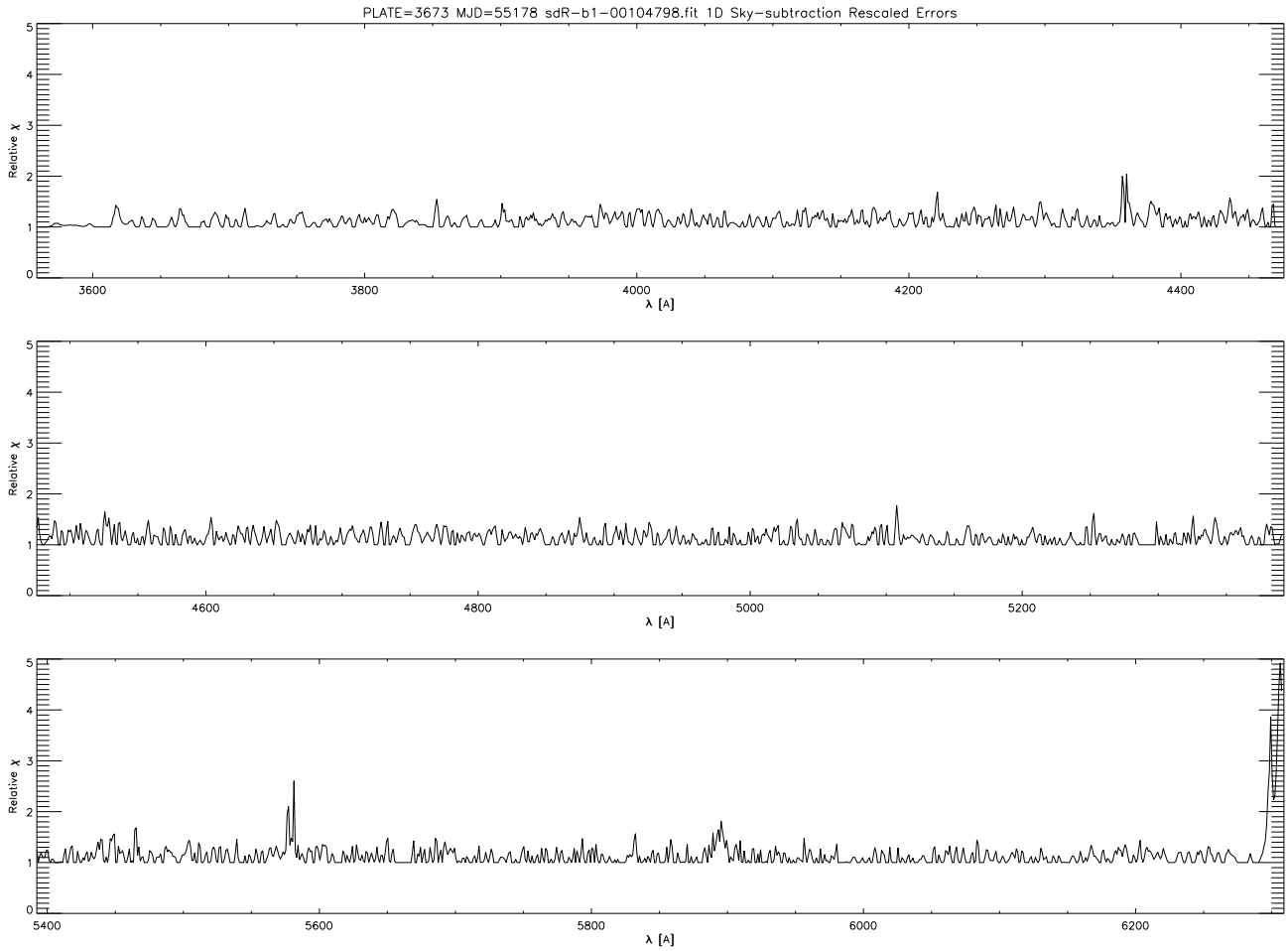

PLATE=3673 MJD=55178 Smooth superflat for sdR-b1-00104798.fit
2.5
2.0
1.5
1.0
0.5
0.0
1.04
1.02
1.00
0.98
0.96
3000
4000
5000
6000
7000
Wavelength (Å)

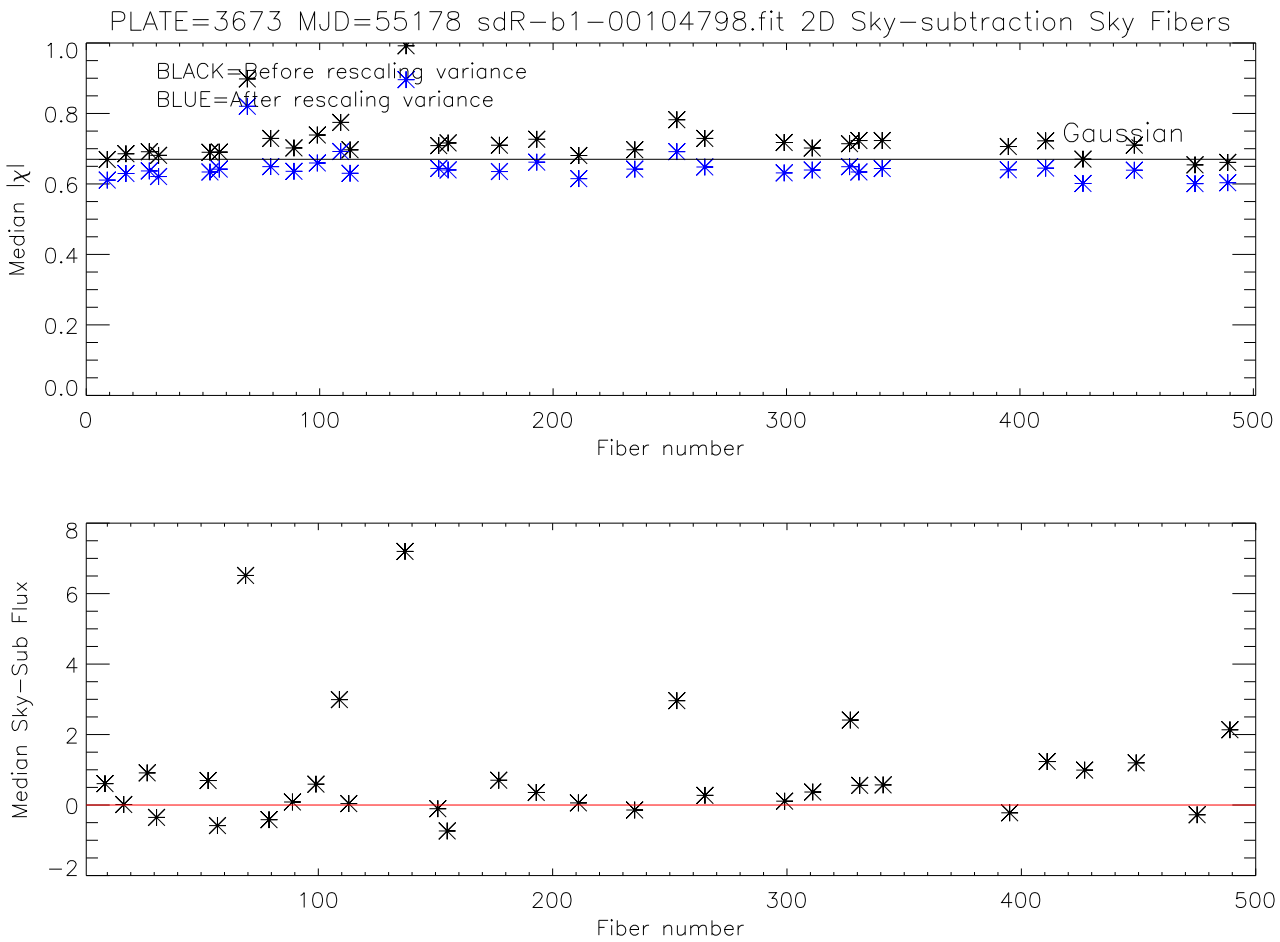

PLATE=3673 MJD=55178 sdR-b1-00104798.fit 1D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

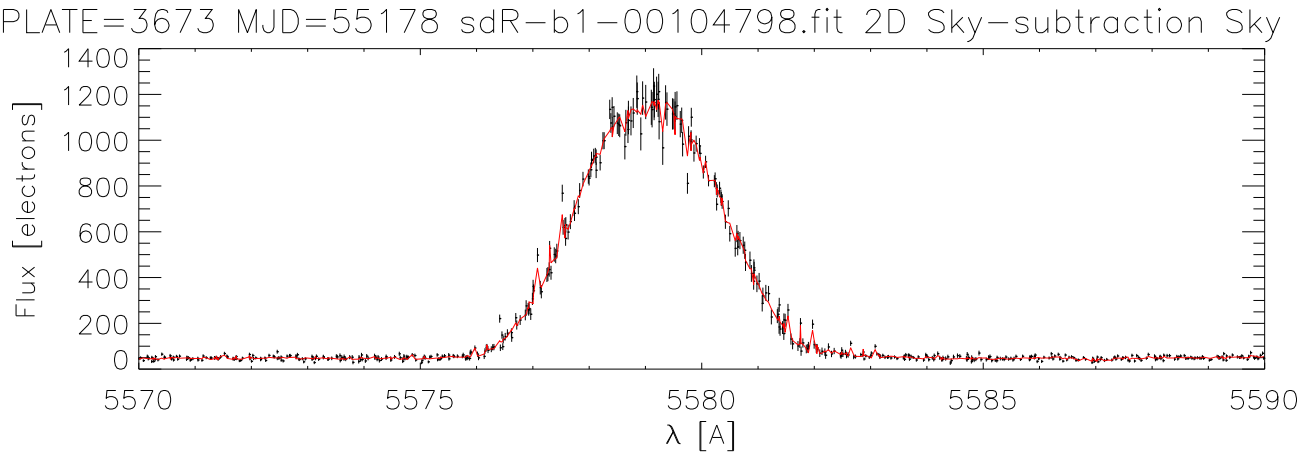

PLATE=3673 MJD=55178 sdR-b1-00104798.fit 1D Sky-subtraction Sky Fibers
Flux [electrons]
1400
1200
1000
800
600
400
200
0
5570
5575
5580
5585
5590
λ [A]

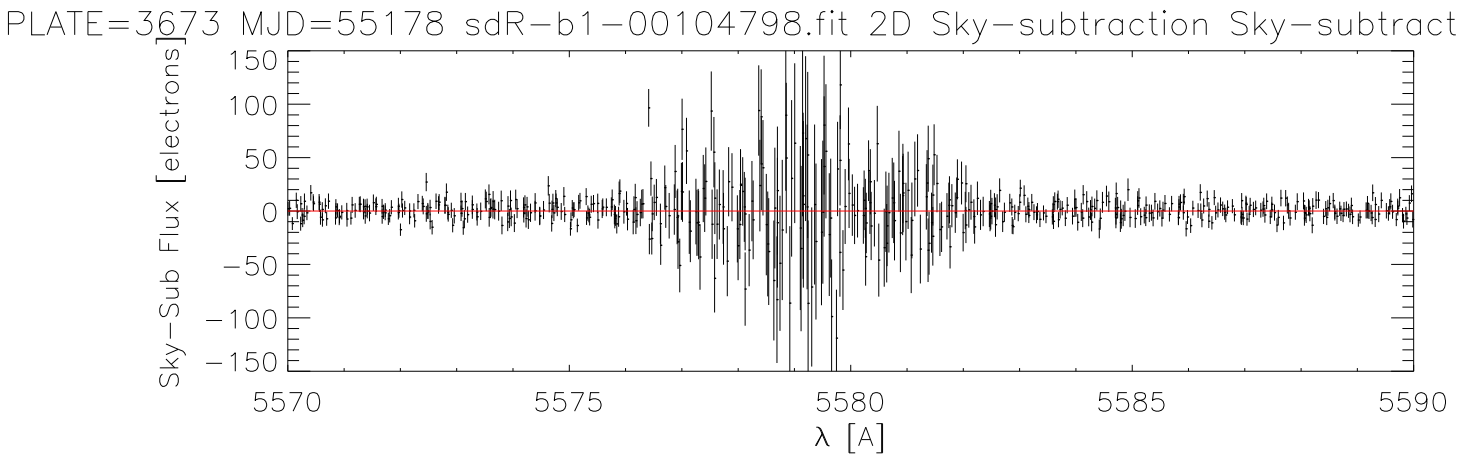

PLATE=3673 MJD=55178 sdR-b1-00104798.fit 1D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
200
100
0
-100
-200
-300
5570
5575
5580
5585
5590
λ [A]

Number of sky fibers = 32

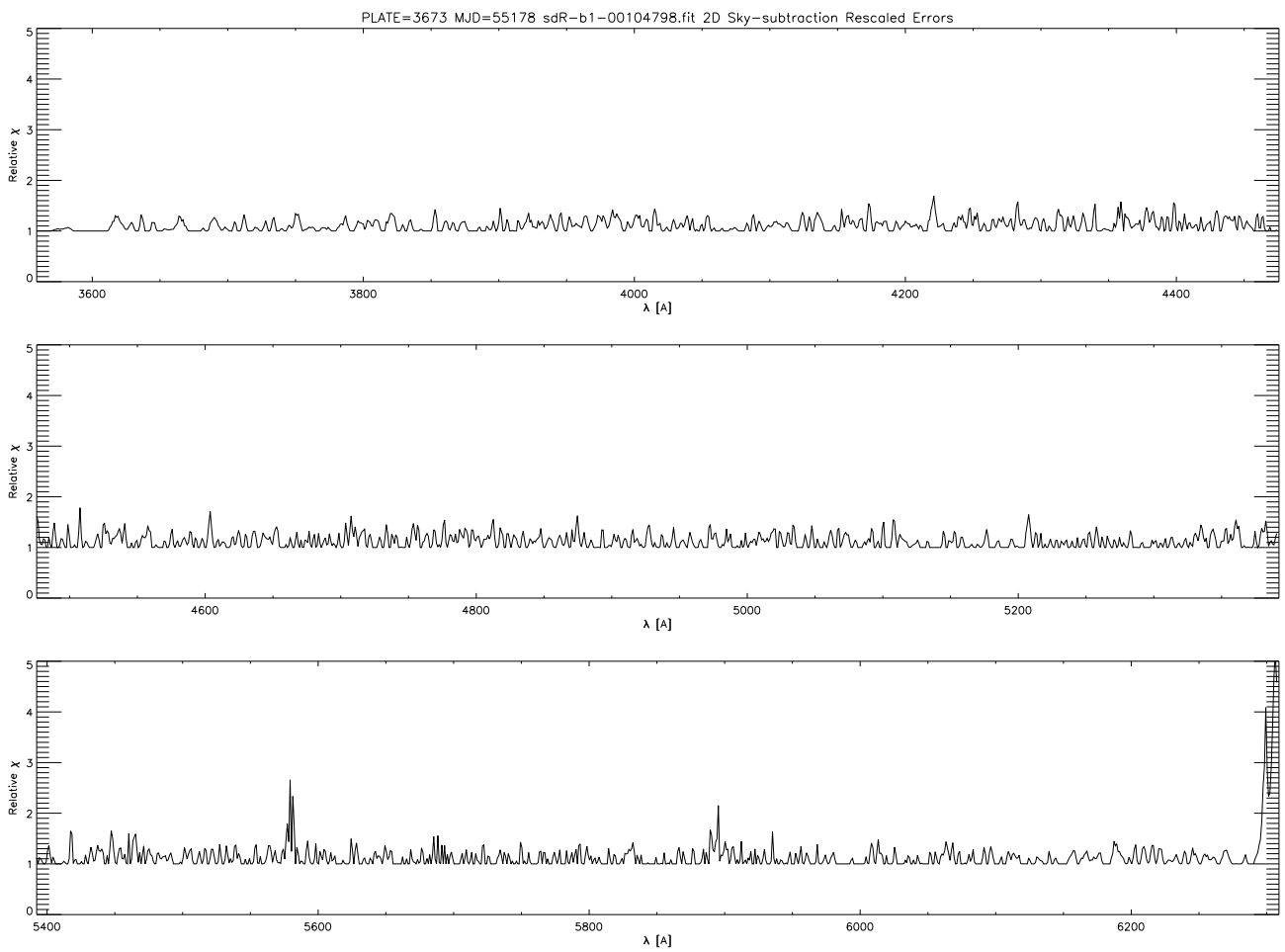


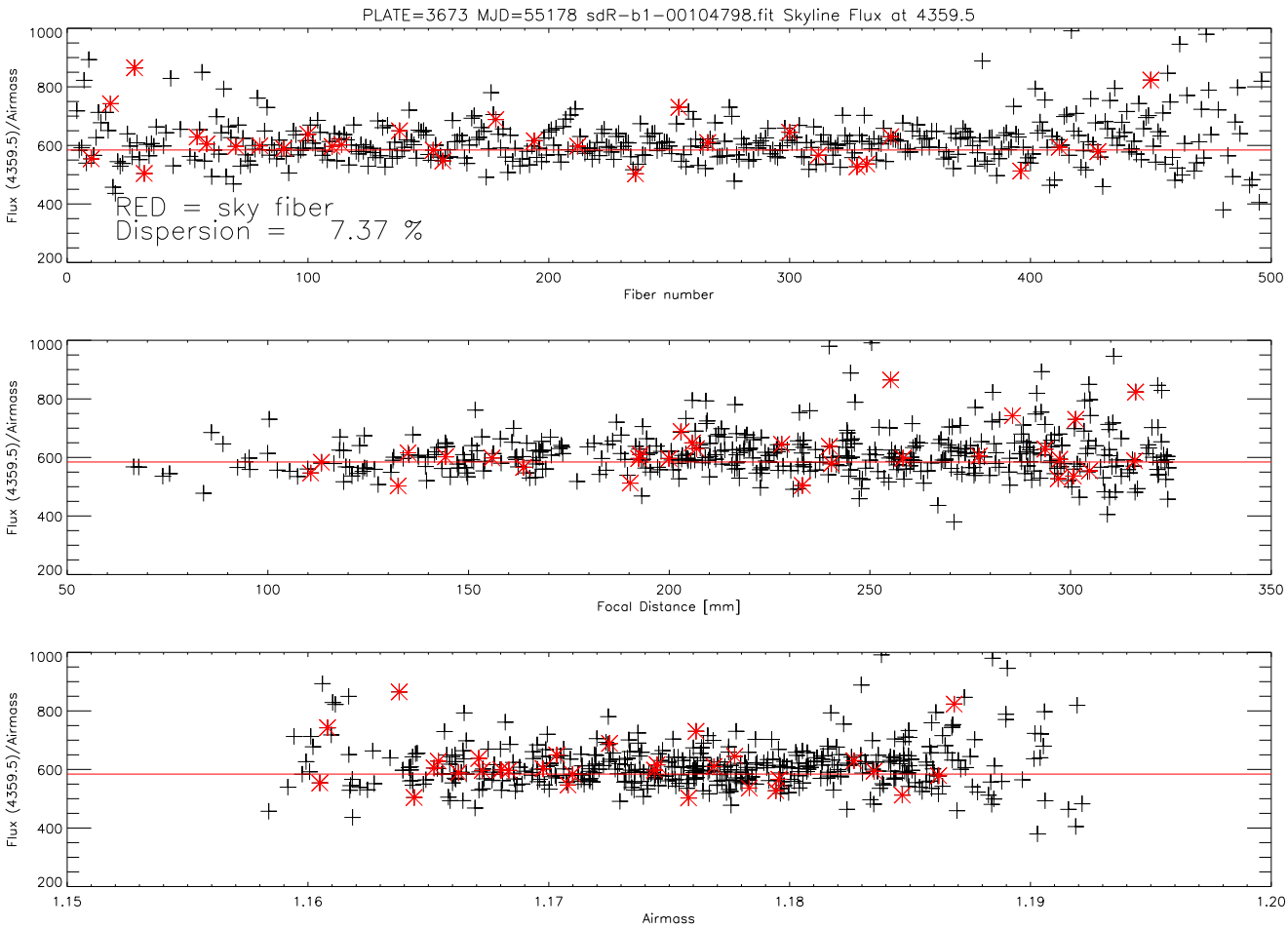

PLATE=3673 MJD=55178 sdR-b1-00104798.fit 2D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

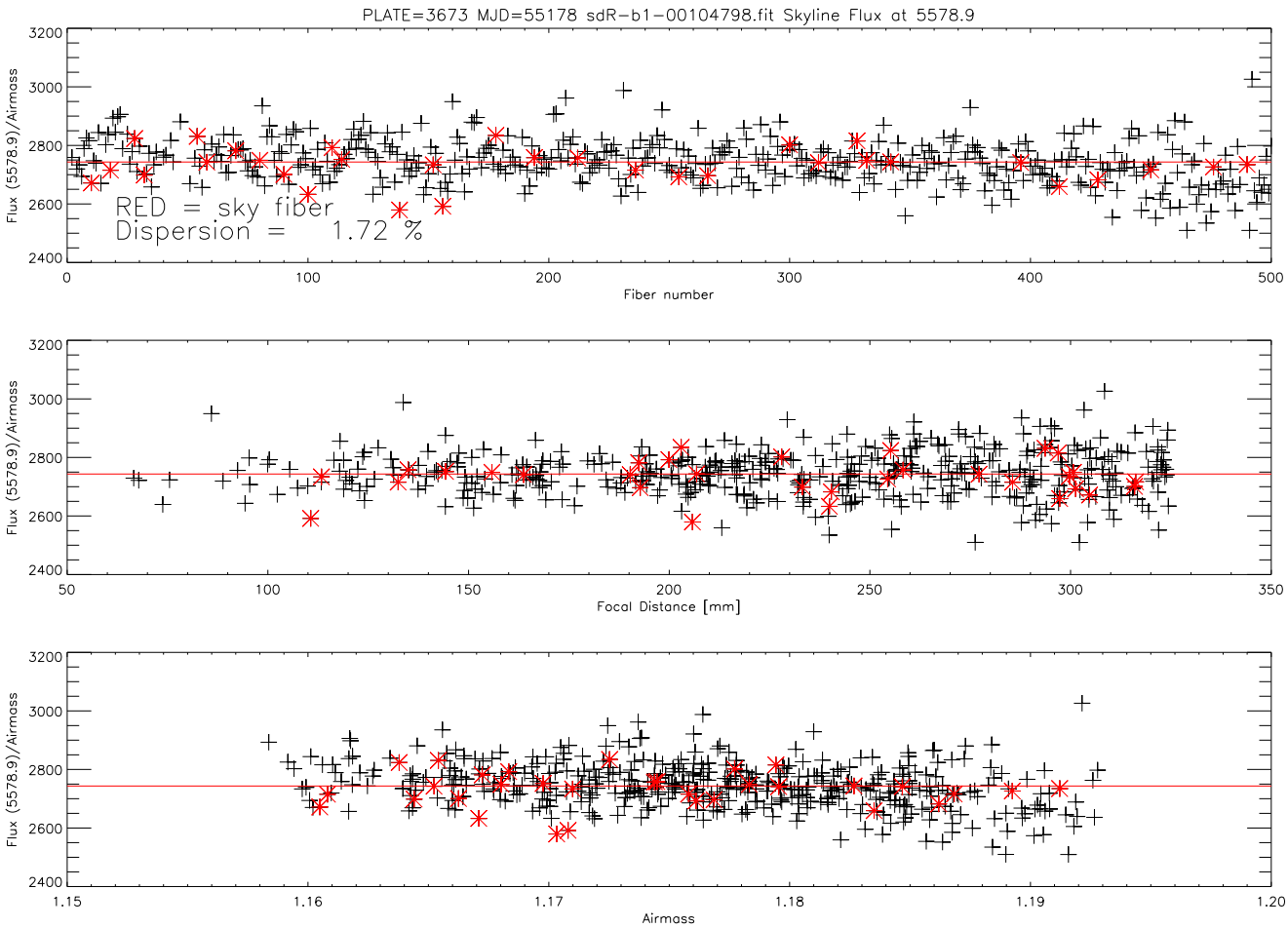

PLATE=3673 MJD=55178 sdR-b1-00104798.fit 2D Sky-subtraction Sky Fibers
Flux [electrons]
1400
1200
1000
800
600
400
200
0
5570
5575
5580
5585
5590
λ [A]

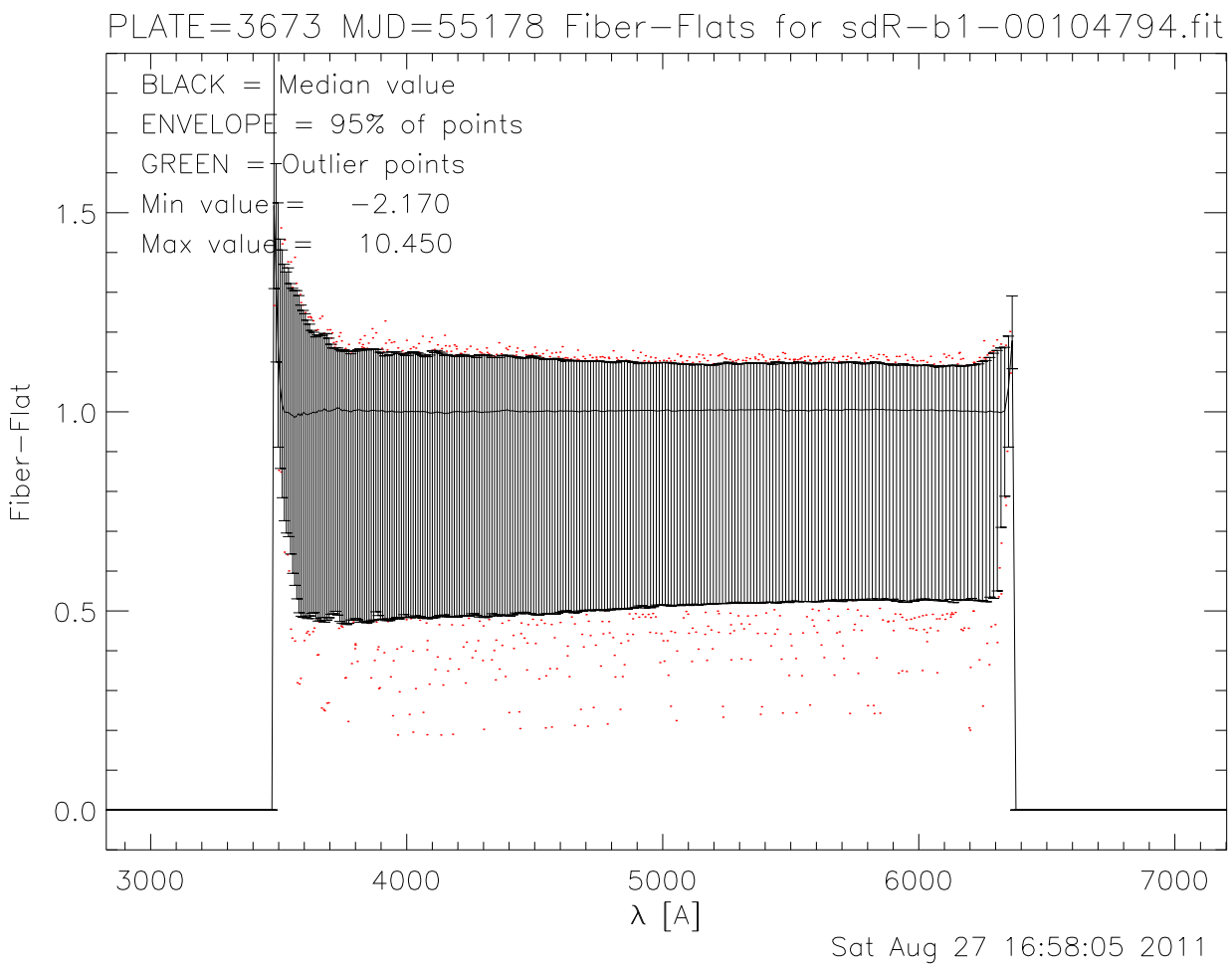

PLATE=3673 MJD=55178 sdR-b1-00104798.fit 2D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
150
100
50
0
-50
-100
-150
5570
5575
5580
5585
5590
λ [A]

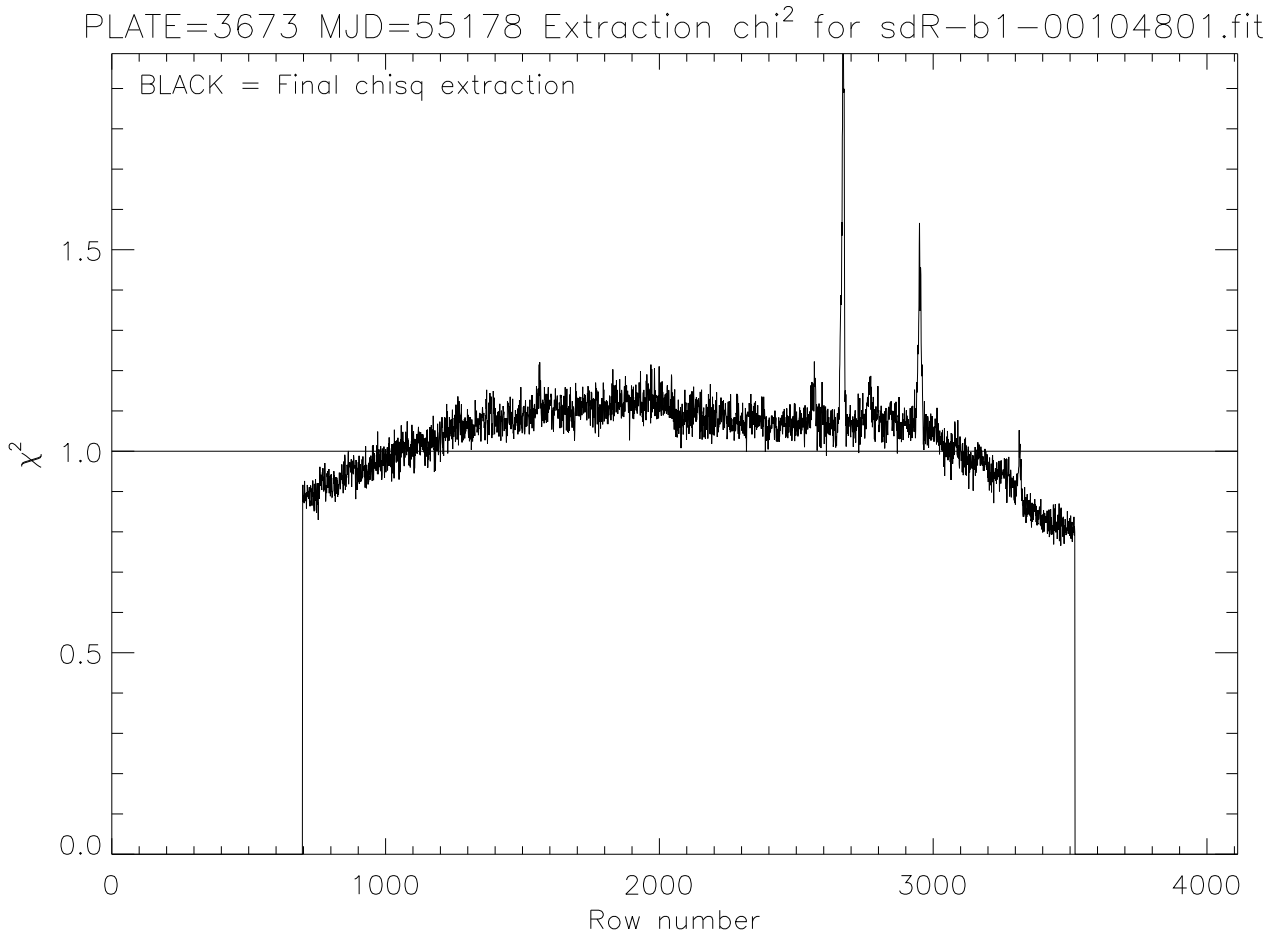
Number of sky fibers = 32

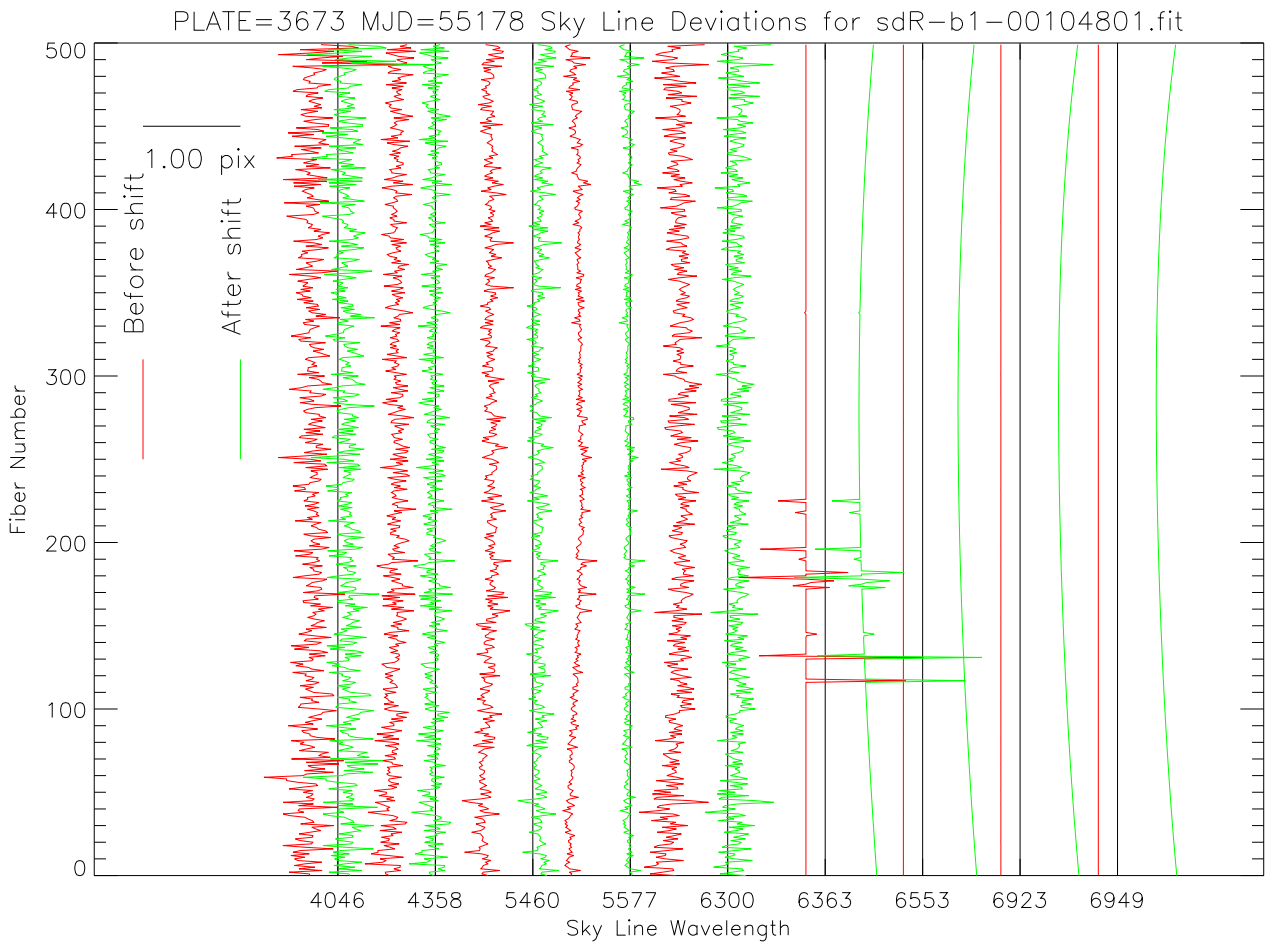


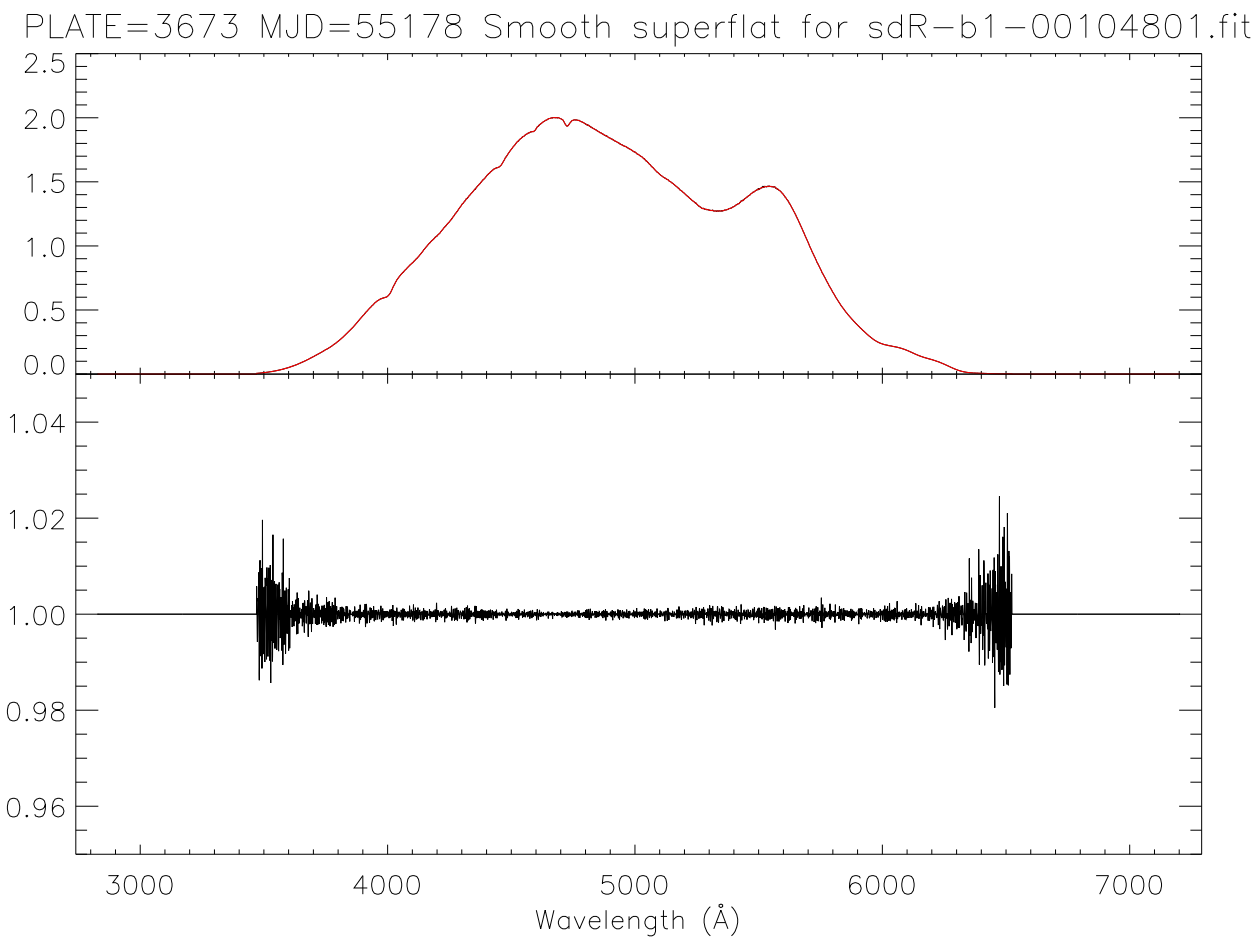

PLATE=3673 MJD=55178 sdR-b1-00104798.fit Skyline Flux at 4359.5
Flux (4359.5)/Airmass
RED = sky fiber
Dispersion = 7.37 %
Fiber number
Flux (4359.5)/Airmass
Focal Distance [mm]
Flux (4359.5)/Airmass
Airmass

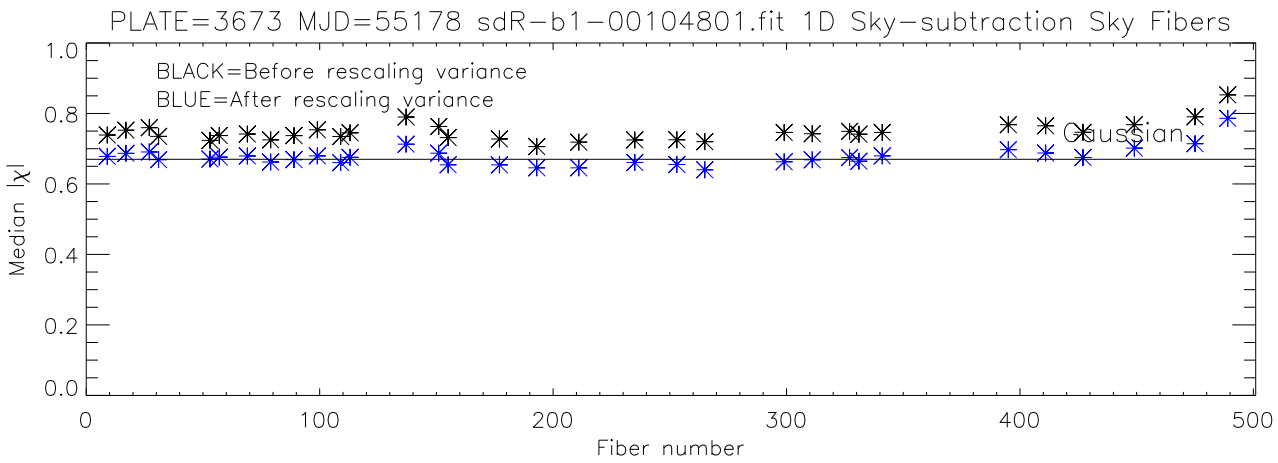

PLATE=3673 MJD=55178 sdR-b1-00104798.fit Skyline Flux at 5578.9
Flux (5578.9)/Airmass
RED = sky fiber
Dispersion = 1.72 %
Fiber number
Flux (5578.9)/Airmass
Focal Distance [mm]
Flux (5578.9)/Airmass
Airmass

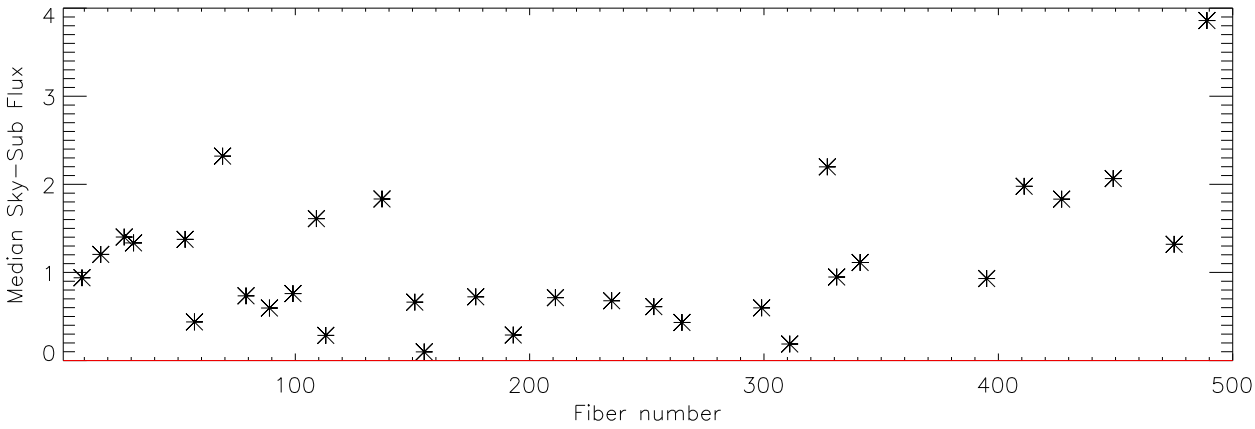

PLATE=3673 MJD=55178 Fiber-Flats for sdR-b1-00104794.fit
BLACK = Median value
ENVELOPE = 95% of points
GREEN = Outlier points
Min value = -2.170
Max value = 10.450
Fiber-Flat
1.5
1.0
0.5
0.0
3000
4000
5000
6000
7000
λ [A]
Sat Aug 27 16:58:05 2011

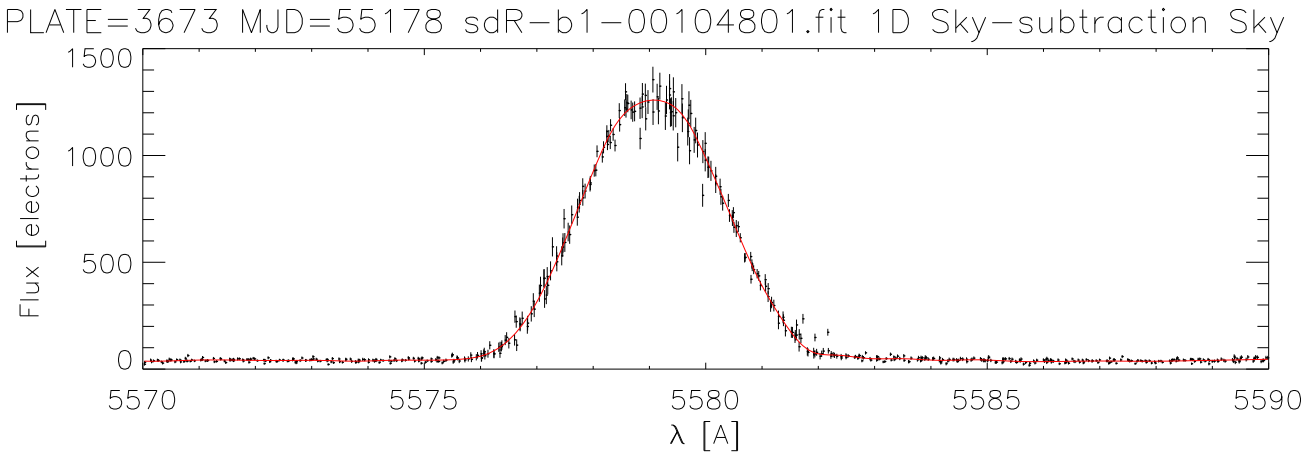

PLATE=3673 MJD=55178 Extraction chi^2 for sdR−b1−00104801.fit
BLACK = Final chisq extraction
χ^2
0.0
0.5
1.0
1.5
0
1000
2000
3000
4000
Row number

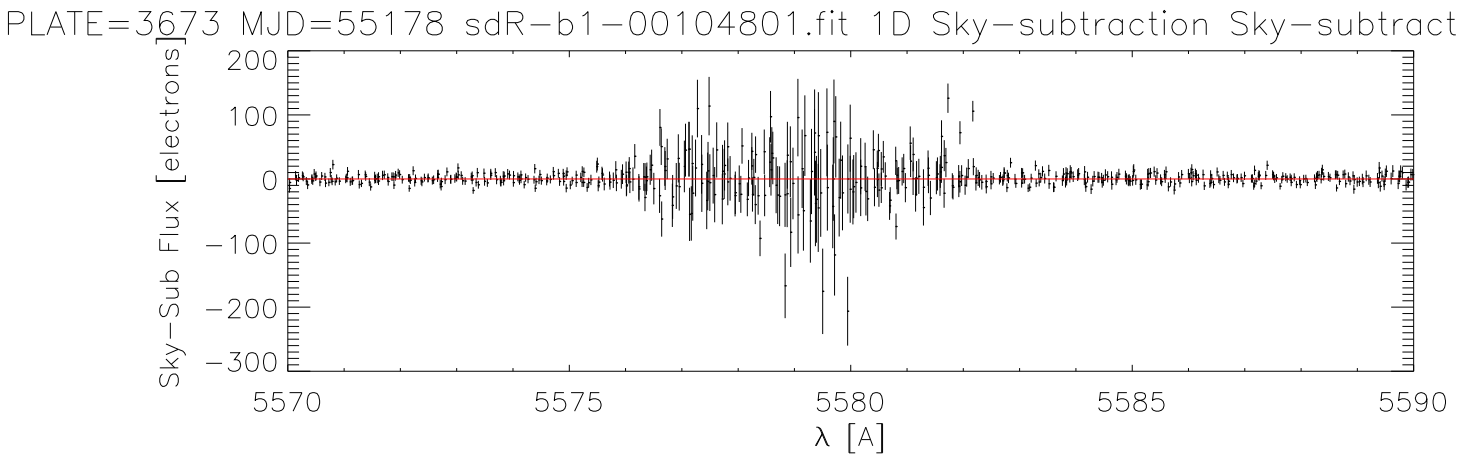

PLATE=3673 MJD=55178 Sky Line Deviations for sdR-b1-00104801.fit
1.00 pix
Before shift
After shift
Fiber Number
0
100
200
300
400
500
4046
4358
5460
5577
6300
6363
6553
6923
6949
Sky Line Wavelength


PLATE=3673 MJD=55178 Smooth superflat for sdR-b1-00104801.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)

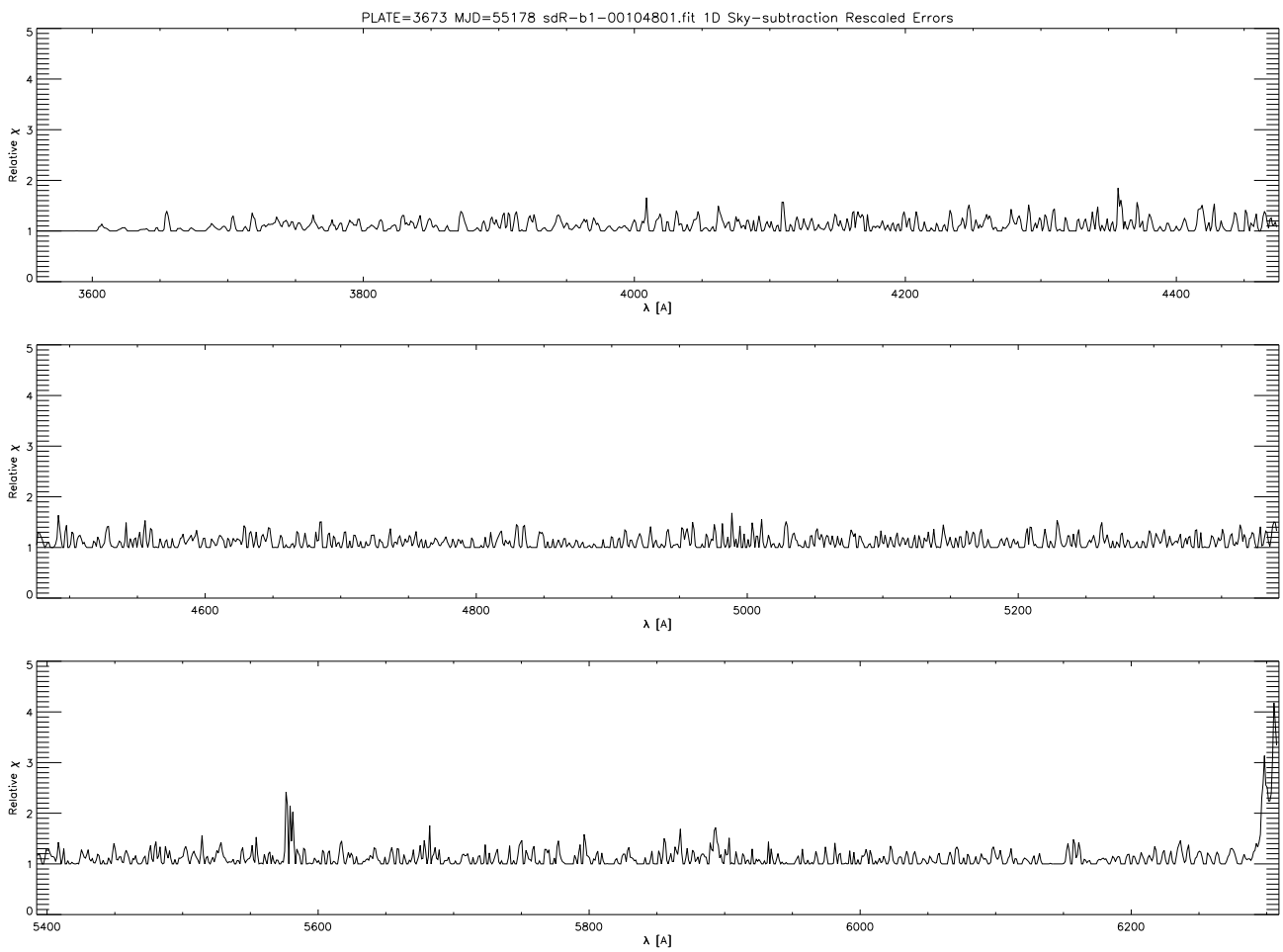

PLATE=3673 MJD=55178 sdR-b1-00104801.fit 1D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number

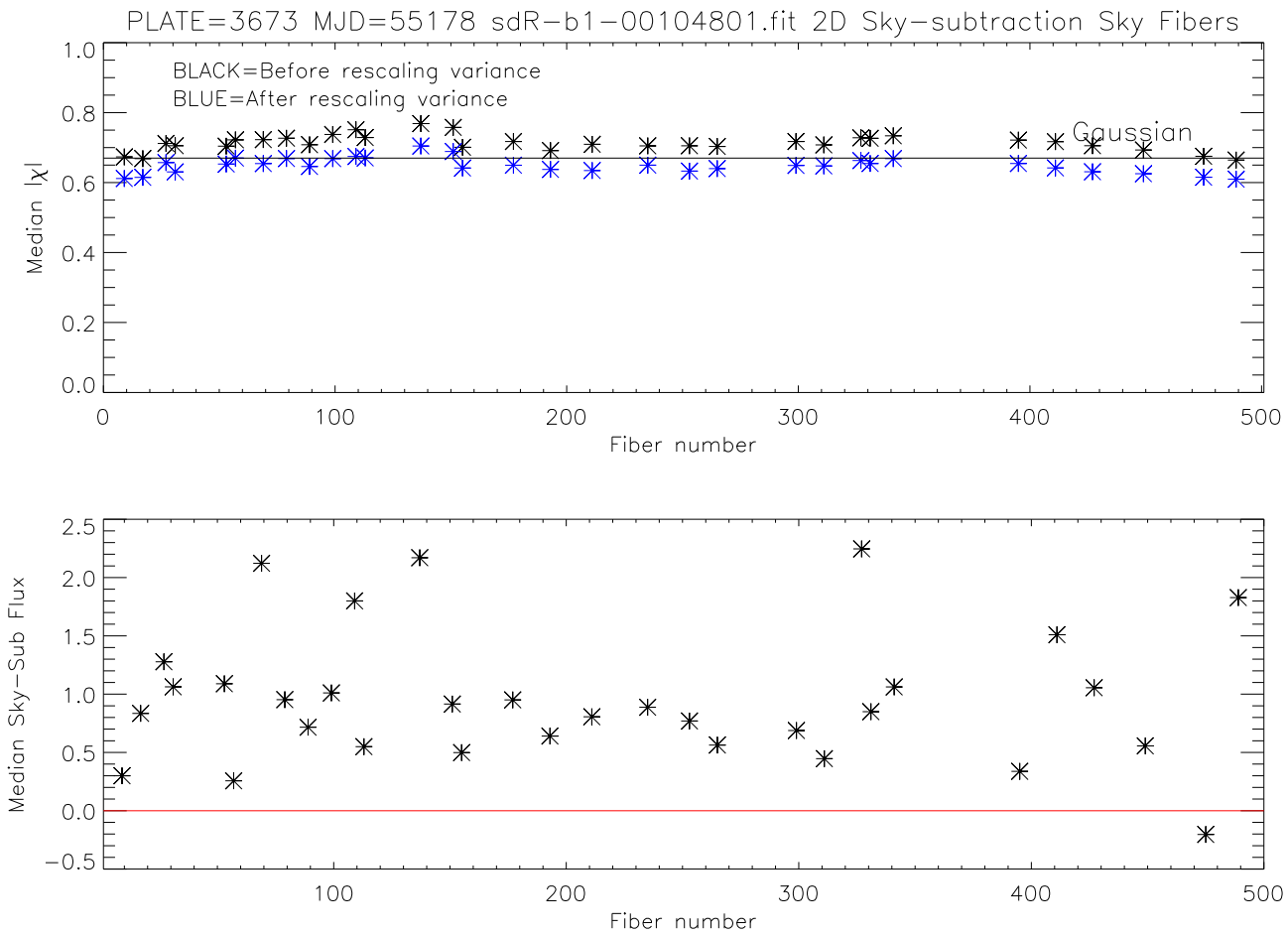

Median Sky-Sub Flux
Fiber number

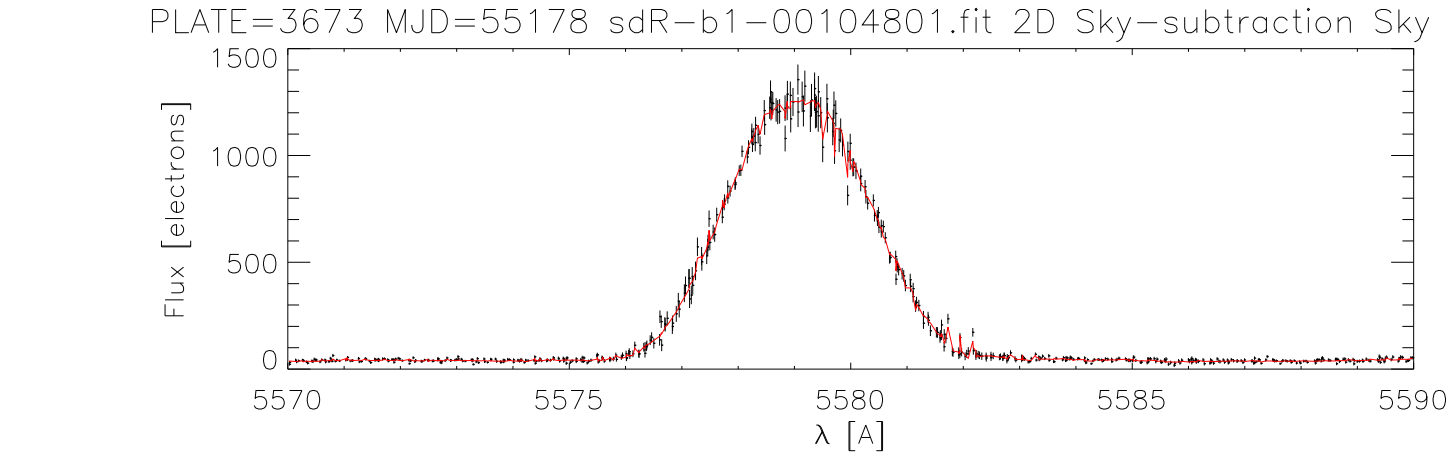

PLATE=3673 MJD=55178 sdR-b1-00104801.fit 1D Sky-subtraction Sky Fibers
Flux [electrons]
1500
1000
500
0
5570
5575
5580
5585
5590
λ [A]

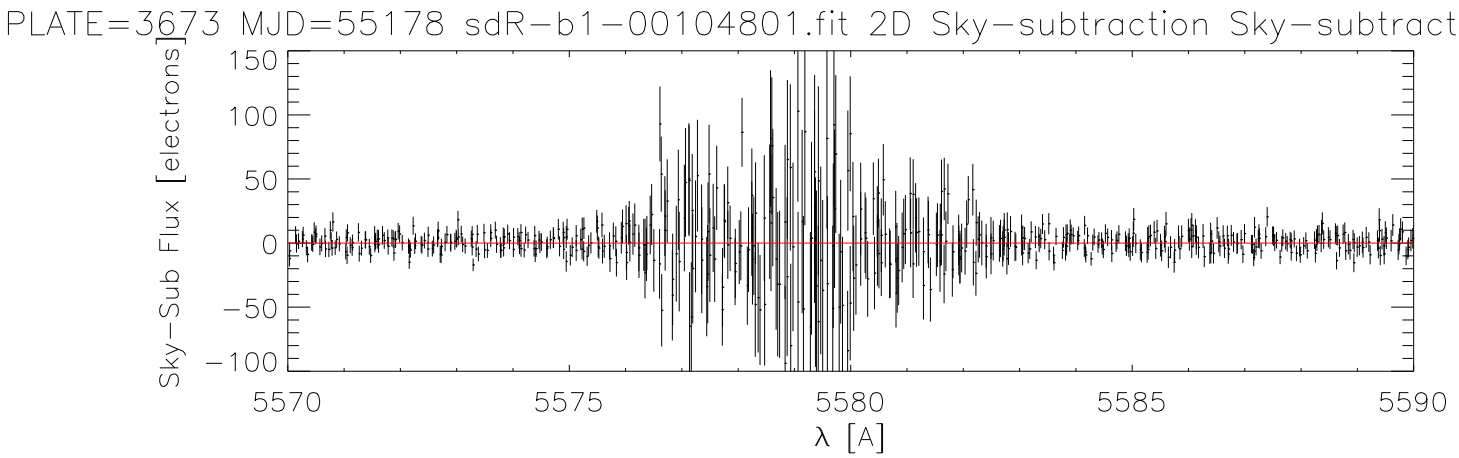

PLATE=3673 MJD=55178 sdR-b1-00104801.fit 1D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
200
100
0
-100
-200
-300
5570
5575
5580
5585
5590
λ [A]

Number of sky fibers = 32

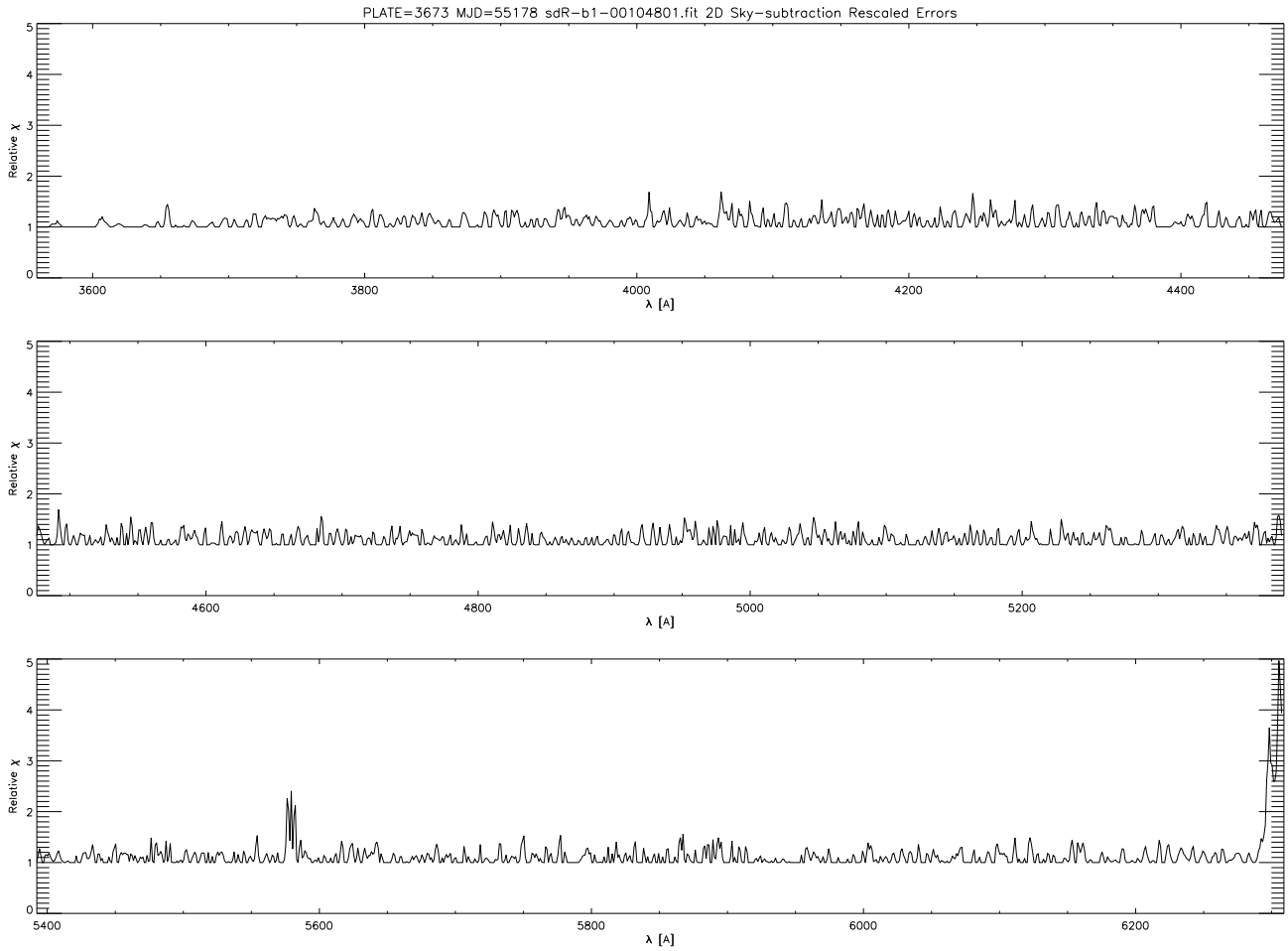


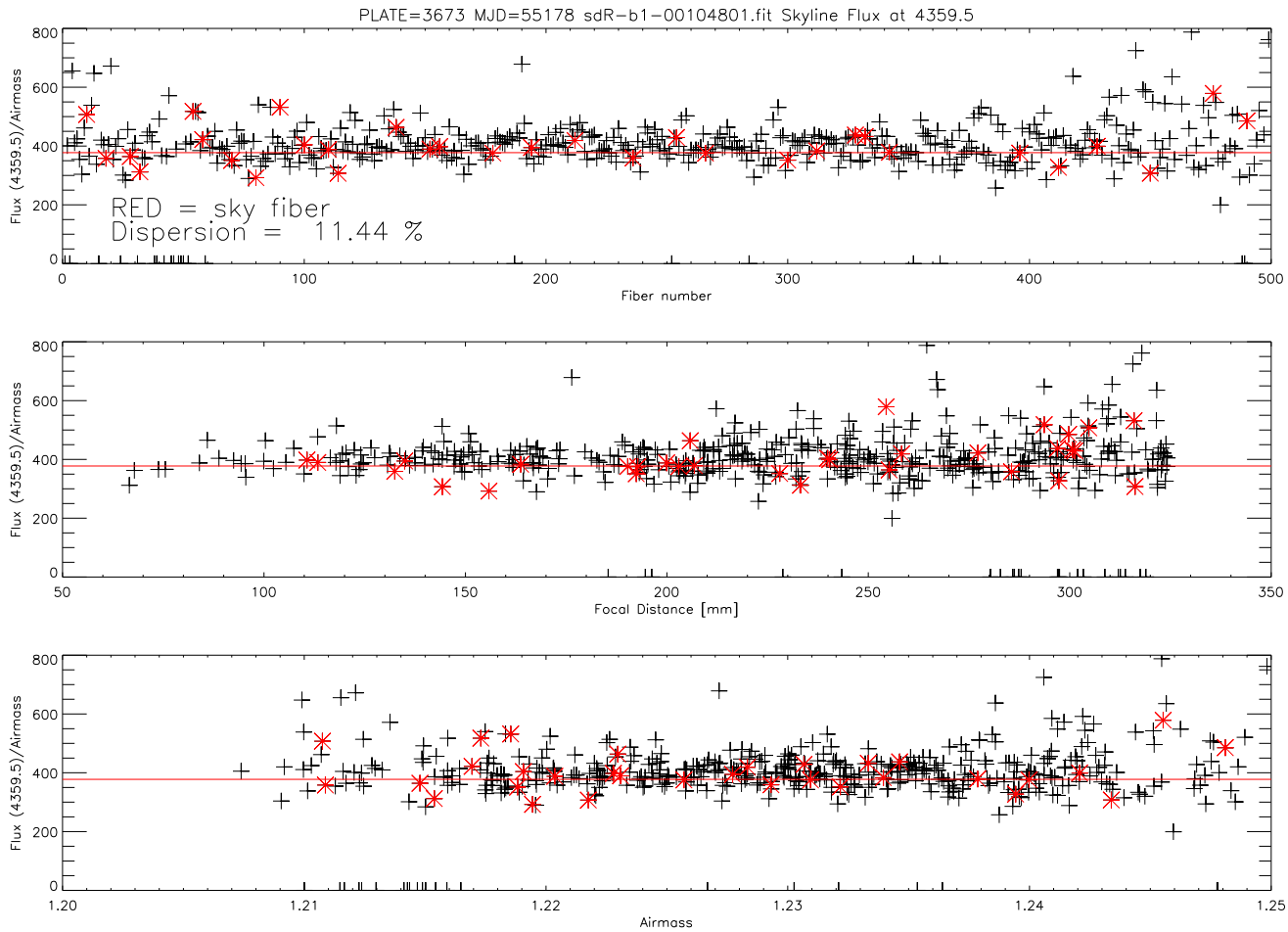

PLATE=3673 MJD=55178 sdR-b1-00104801.fit 2D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

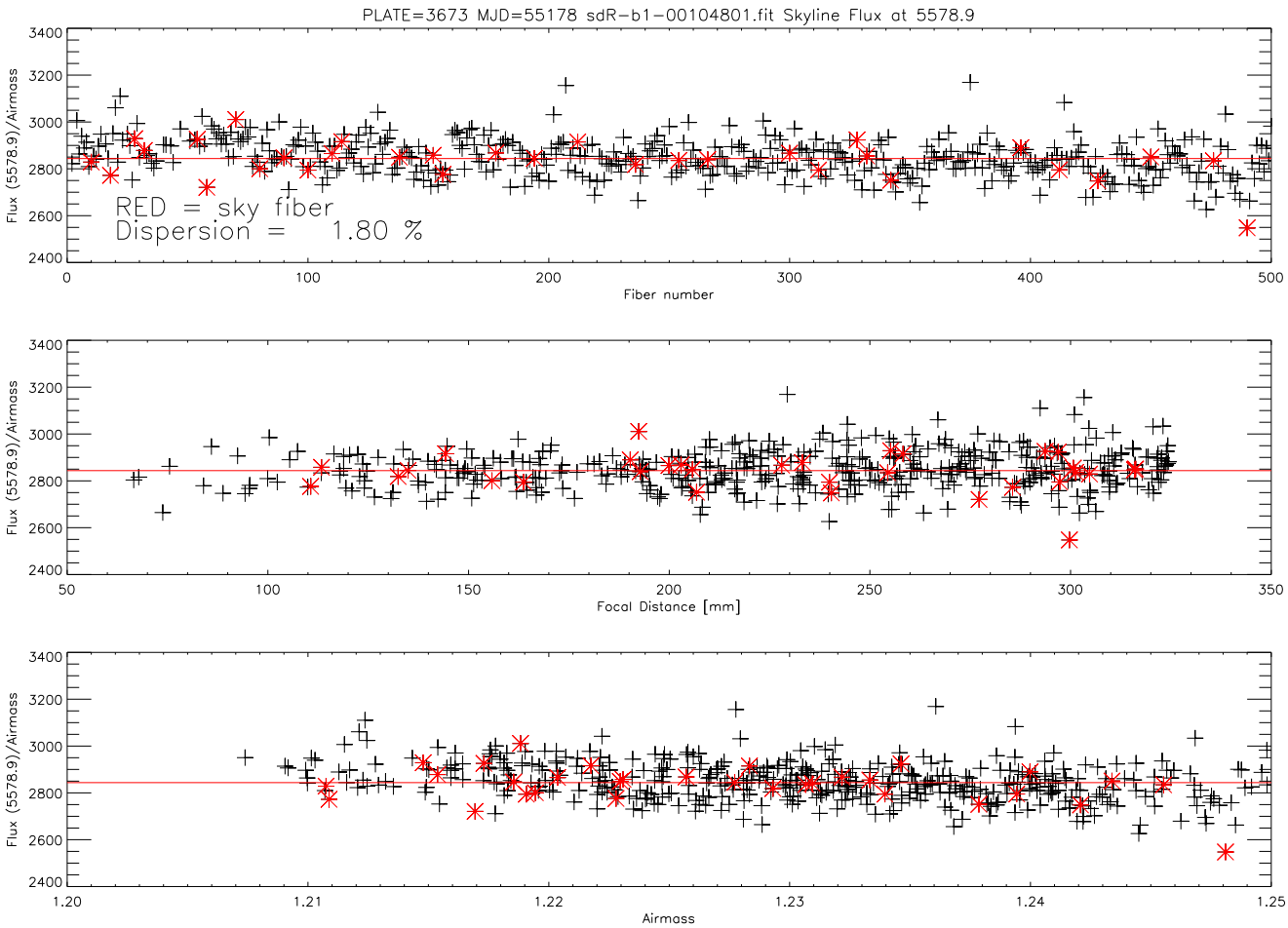

PLATE=3673 MJD=55178 sdR-b1-00104801.fit 2D Sky-subtraction Sky Fibers
Flux [electrons]
1500
1000
500
0
5570
5575
5580
5585
5590
λ [A]


PLATE=3673 MJD=55178 sdR-b1-00104801.fit 2D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
150
100
50
0
−50
−100
5570
5575
5580
5585
5590
λ [A]

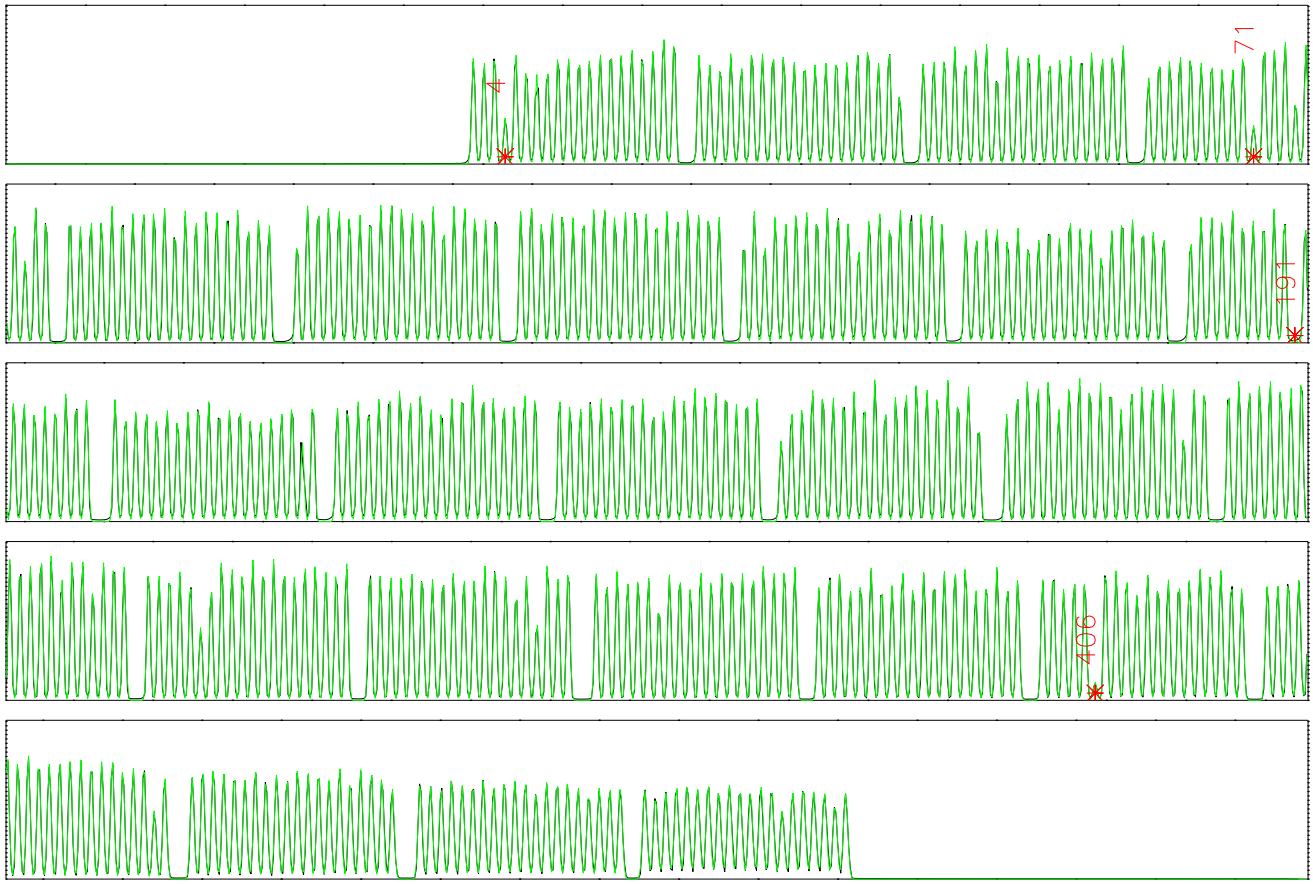
Number of sky fibers = 32



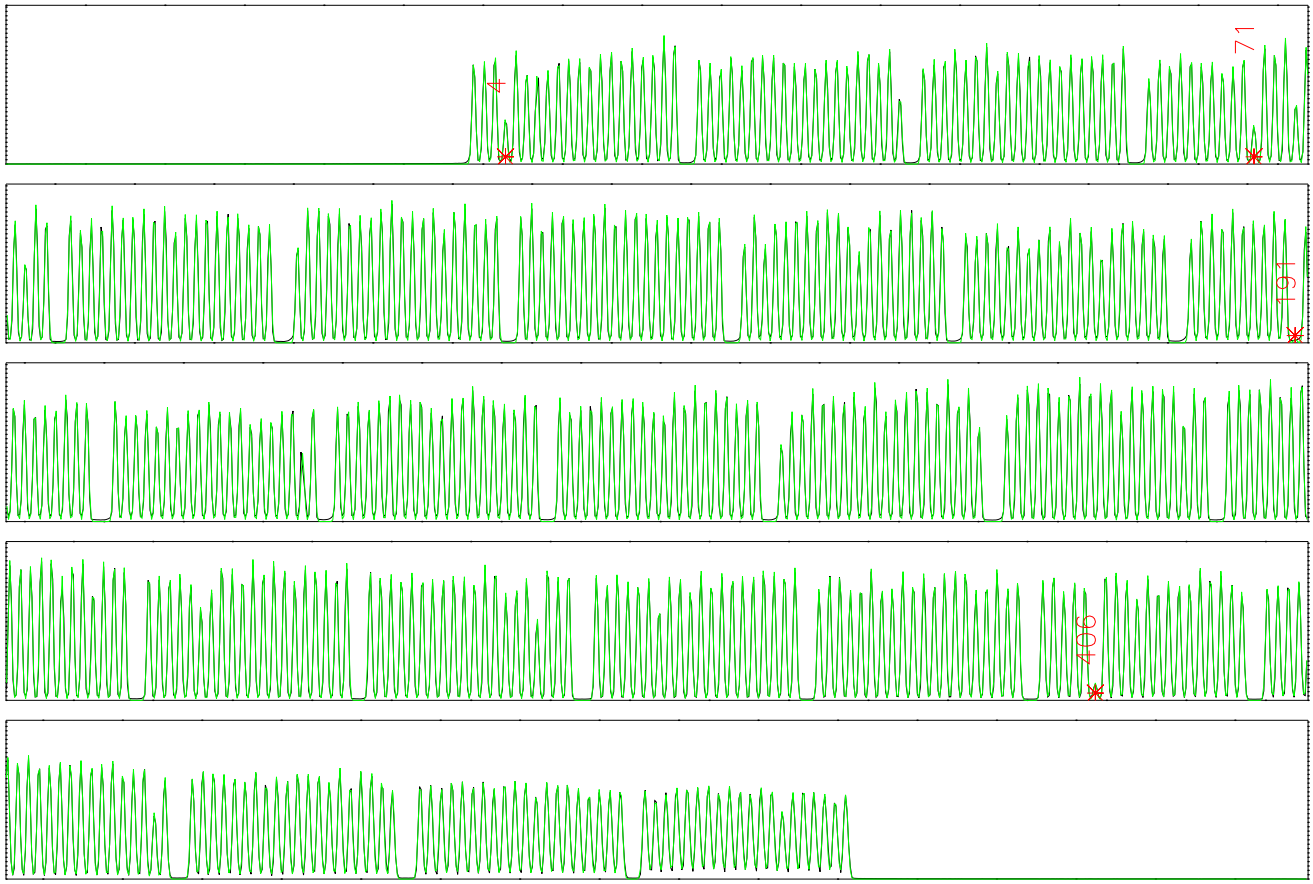

PLATE=3673 MJD=55178 sdR-b1-00104801.fit Skyline Flux at 4359.5
Flux (4359.5)/Airmass
RED = sky fiber
Dispersion = 11.44 %
Fiber number
Flux (4359.5)/Airmass
Focal Distance [mm]
Flux (4359.5)/Airmass
Airmass


PLATE=3673 MJD=55178 sdR-b1-00104801.fit Skyline Flux at 5578.9
Flux (5578.9)/Airmass
RED = sky fiber
Dispersion = 1.80 %
Fiber number
Focal Distance [mm]
Airmass

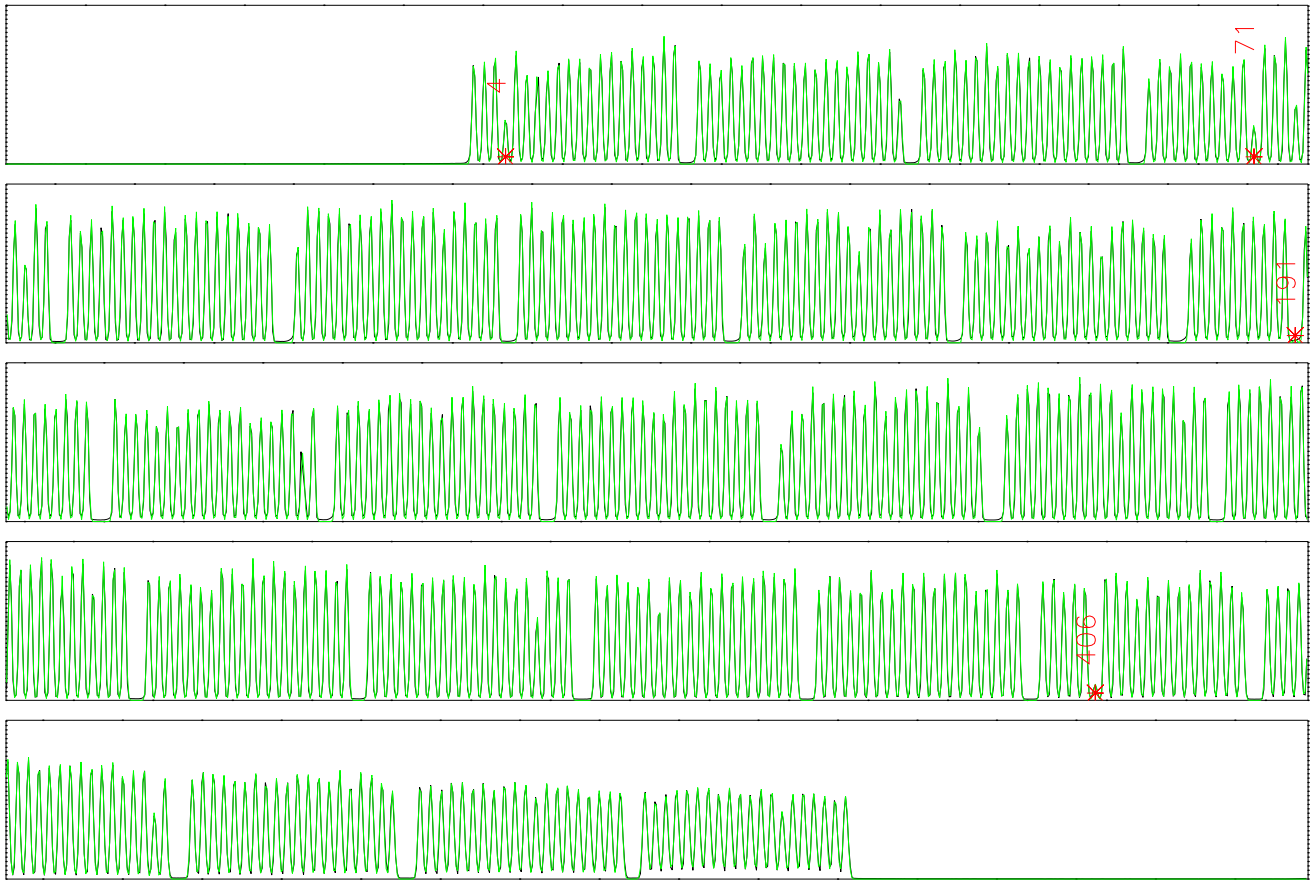
PLATE=3673 MJD=55178 Traces sdR-b2-00104788.fit

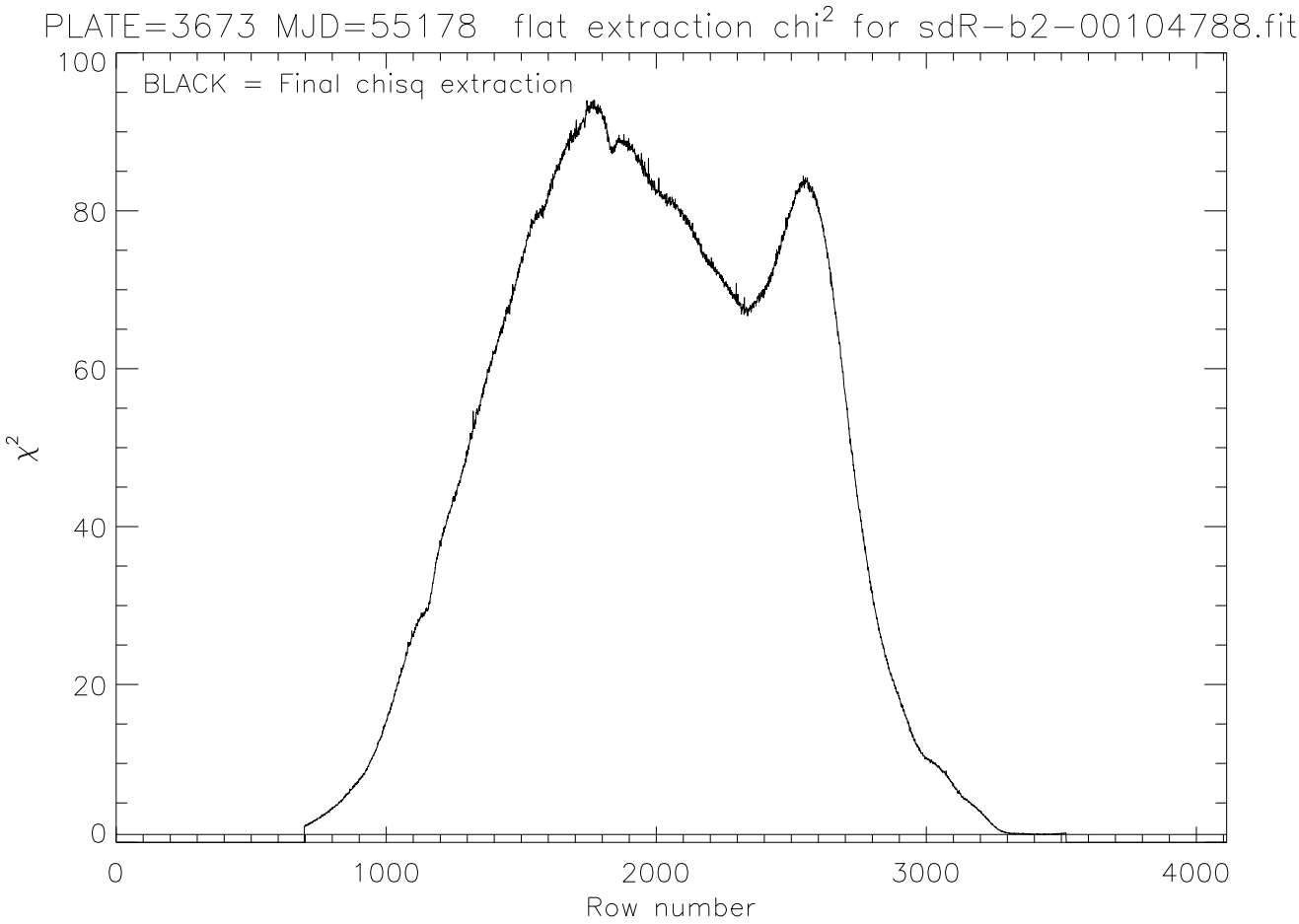


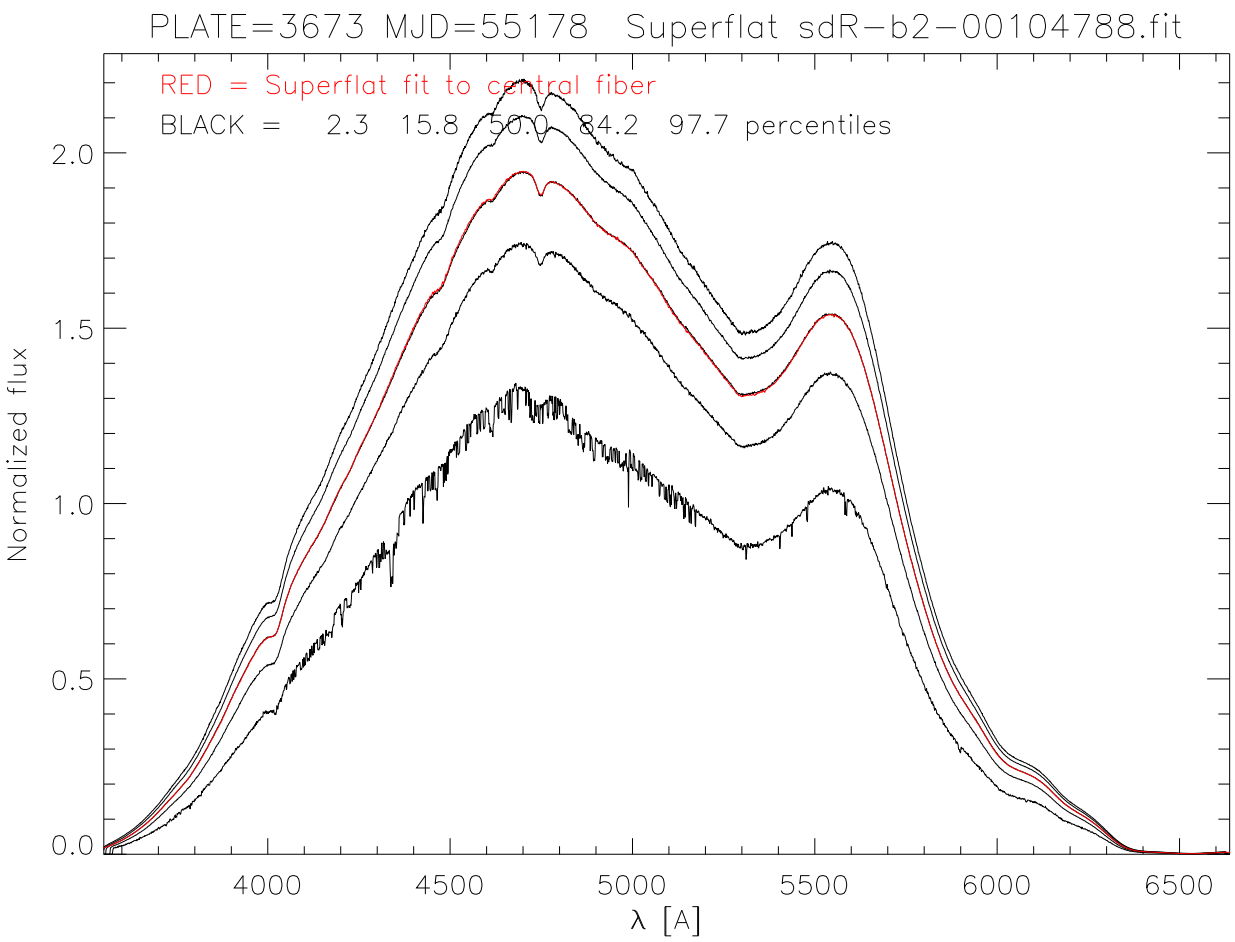
PLATE=3673 MJD=55178 Traces sdR-b2-00104794.fit

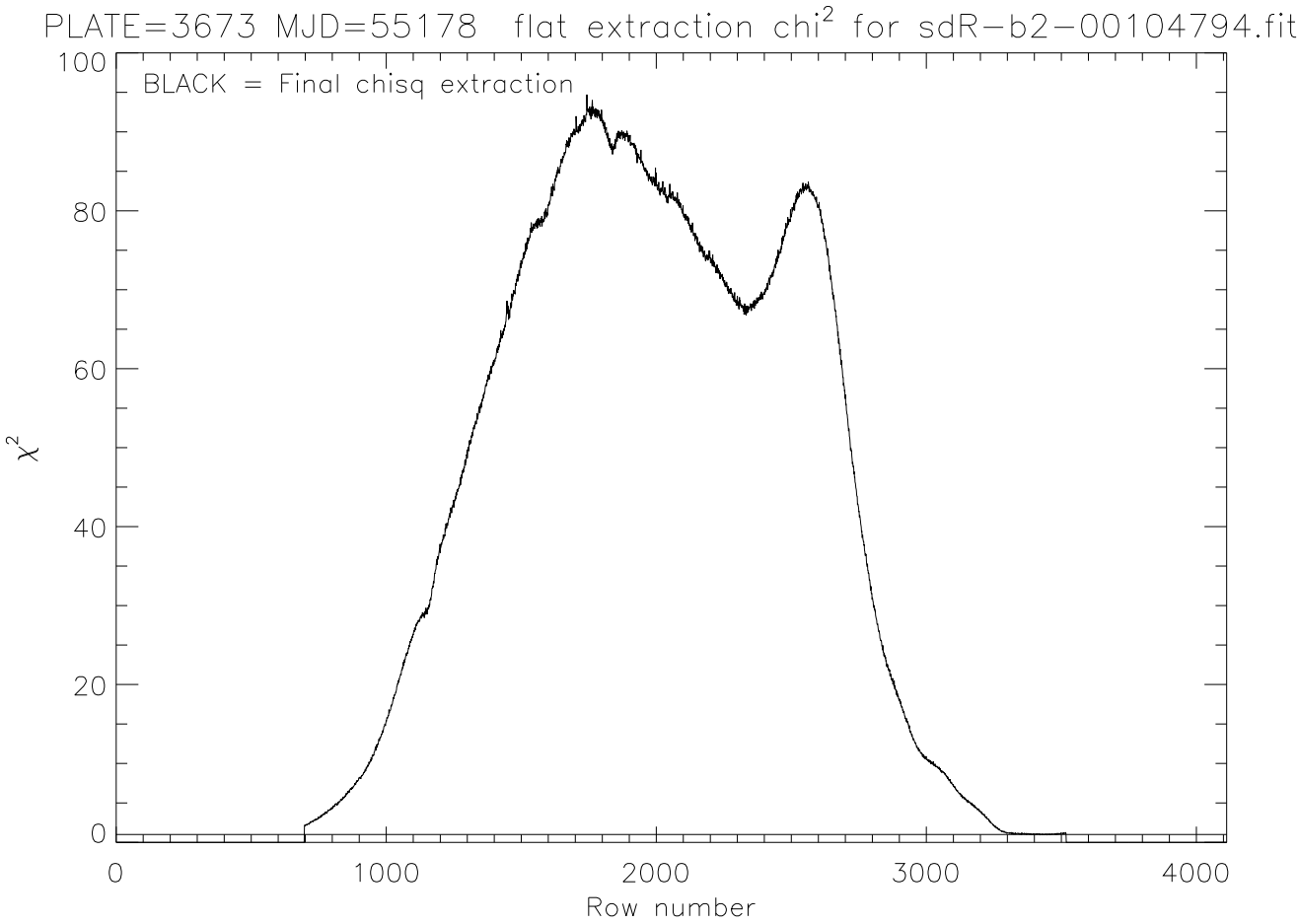


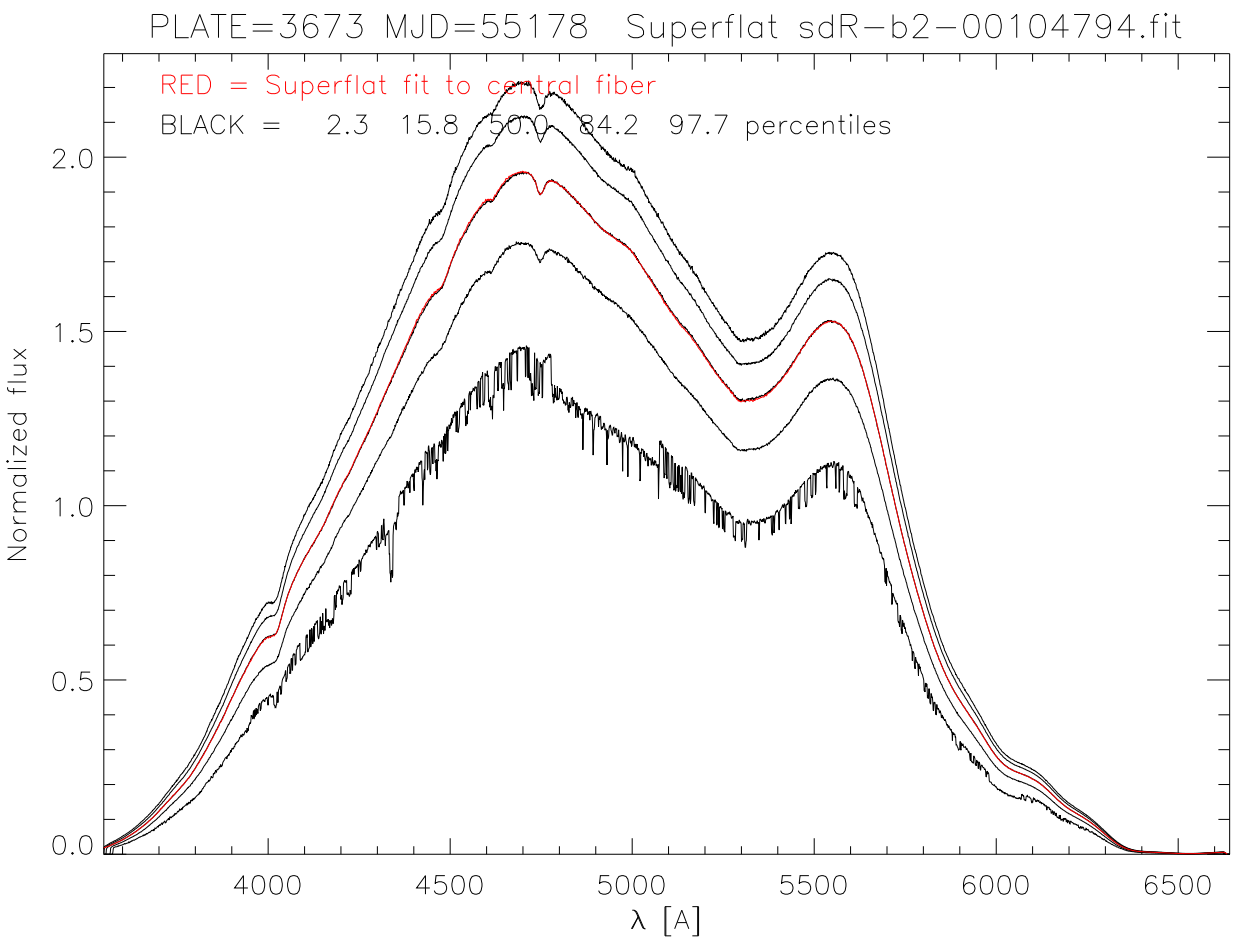
PLATE=3673 MJD=55178 Traces sdR-b2-00104799.fit

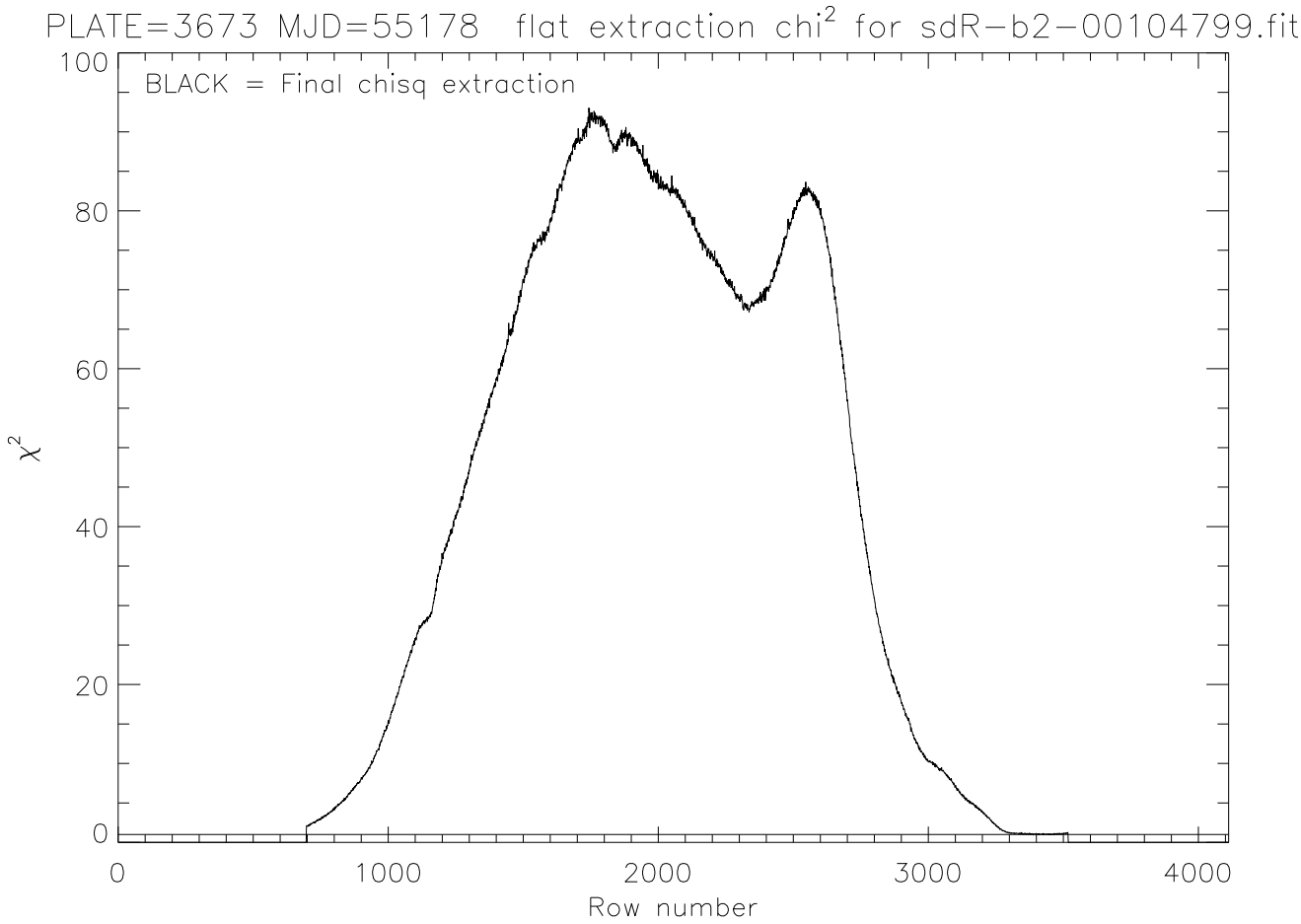


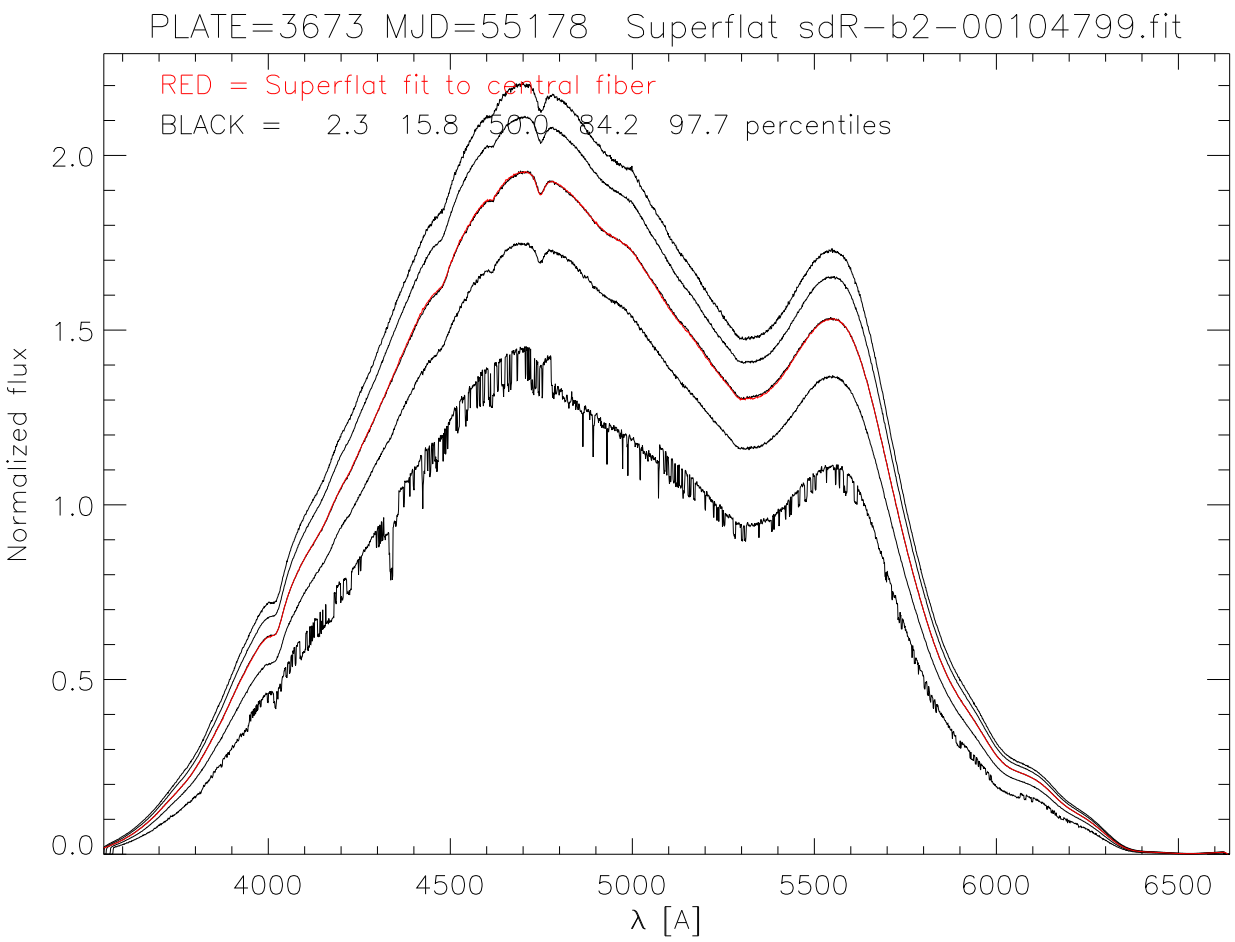

PLATE=3673 MJD=55178 flat extraction chi^2 for sdR−b2−00104788.fit
BLACK = Final chisq extraction
χ^2
Row number
0
20
40
60
80
100
0
1000
2000
3000
4000

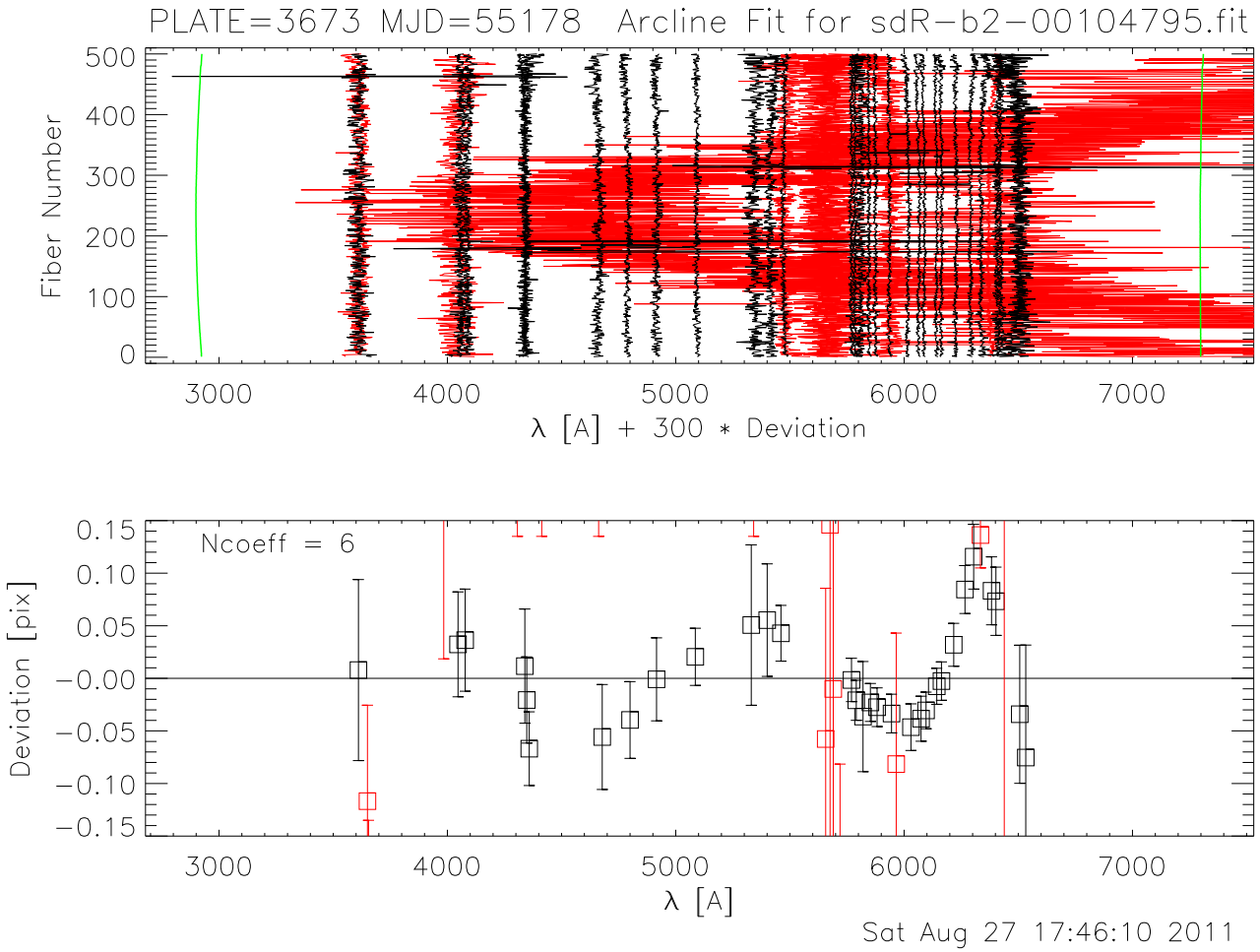

PLATE=3673 MJD=55178 Superflat sdR-b2-00104788.fit
RED = Superflat fit to central fiber
BLACK = 2.3 15.8 50.0 84.2 97.7 percentiles
Normalized flux
0.0
0.5
1.0
1.5
2.0
4000
4500
5000
5500
6000
6500
λ [A]

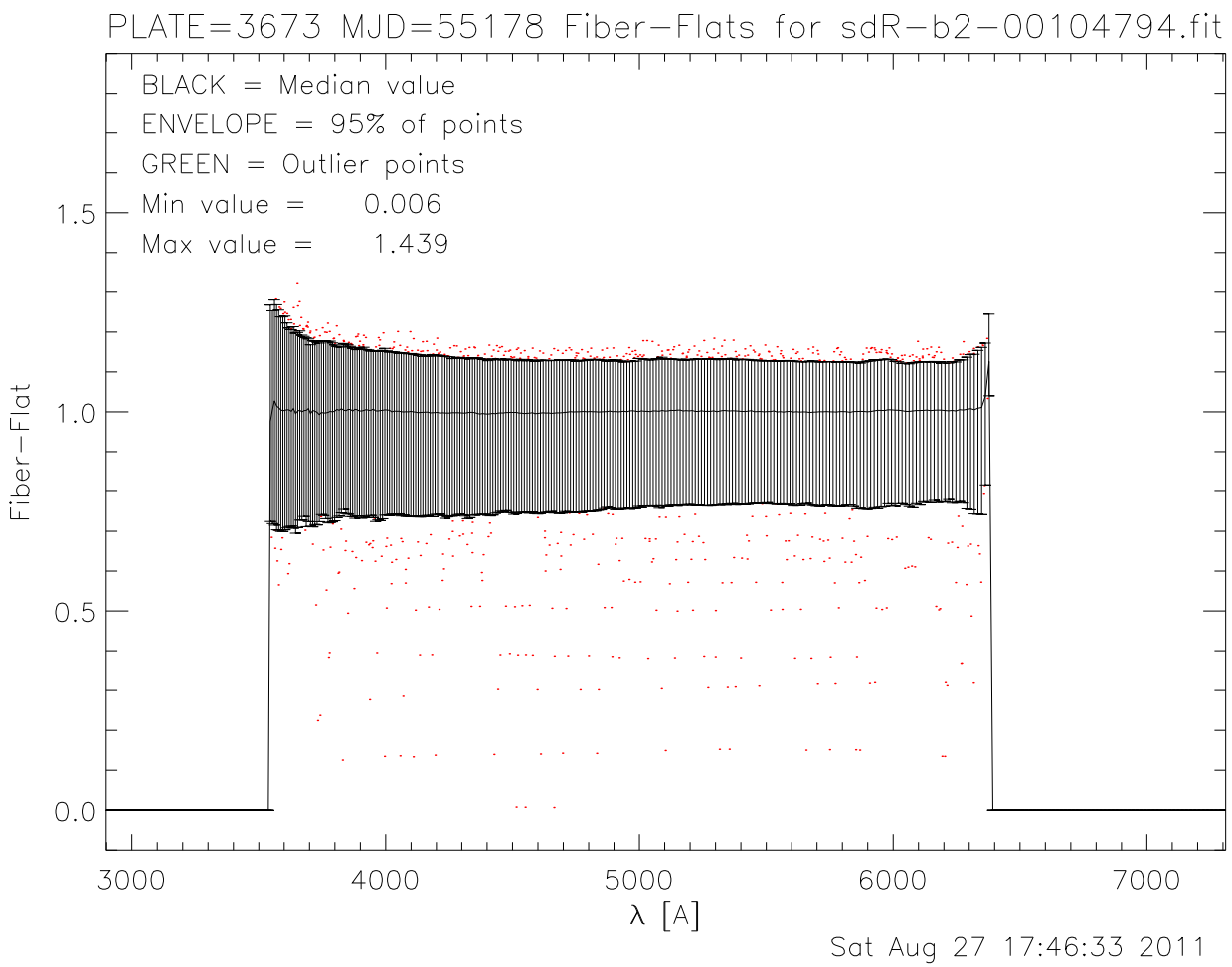

PLATE=3673 MJD=55178 flat extraction chi^2 for sdR−b2−00104794.fit
BLACK = Final chisq extraction
χ^2
100
80
60
40
20
0
0
1000
2000
3000
4000
Row number

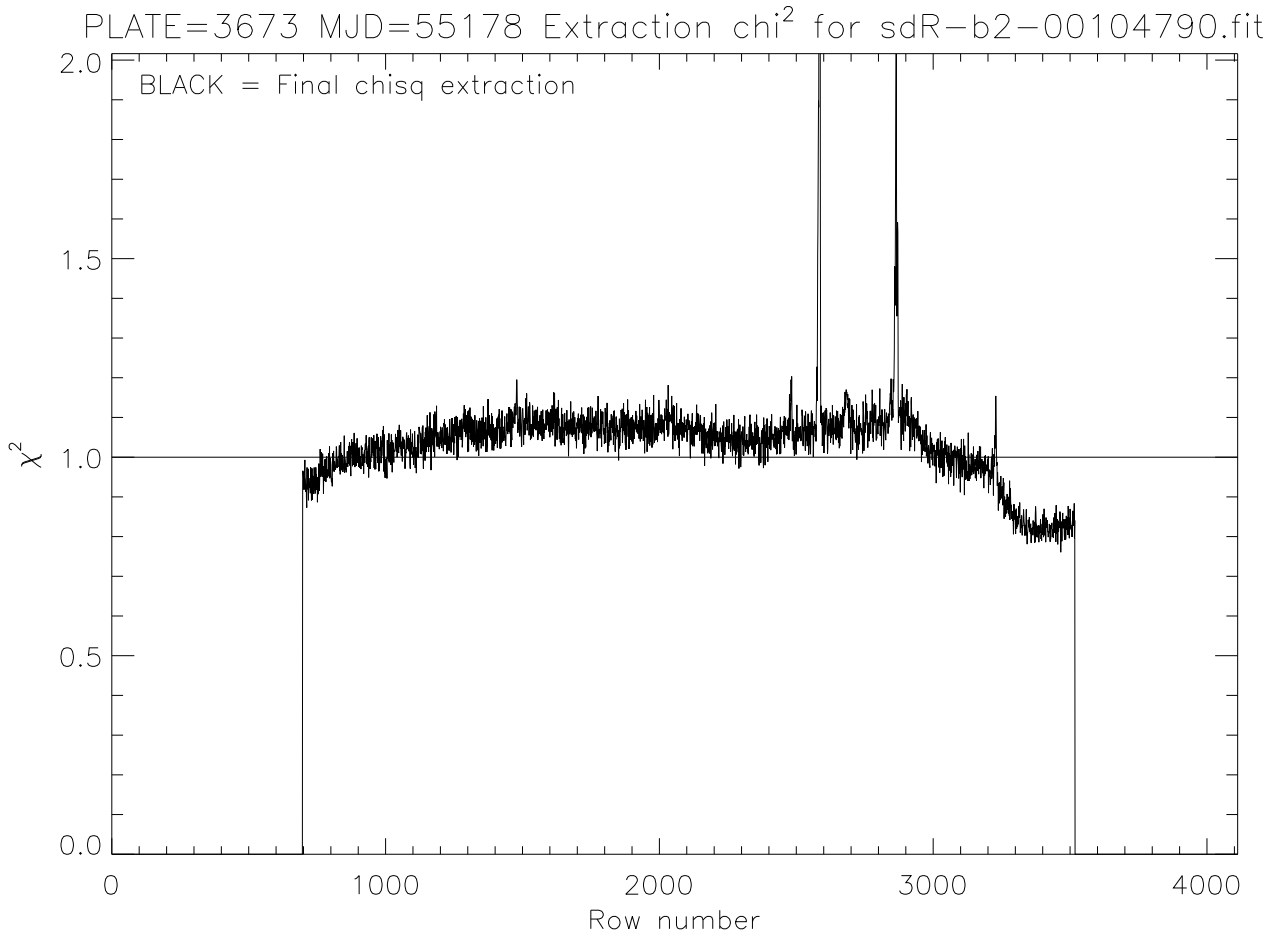

PLATE=3673 MJD=55178 Superflat sdR-b2-00104794.fit
RED = Superflat fit to central fiber
BLACK = 2.3 15.8 50.0 84.2 97.7 percentiles
Normalized flux
0.0
0.5
1.0
1.5
2.0
4000
4500
5000
5500
6000
6500
λ [A]

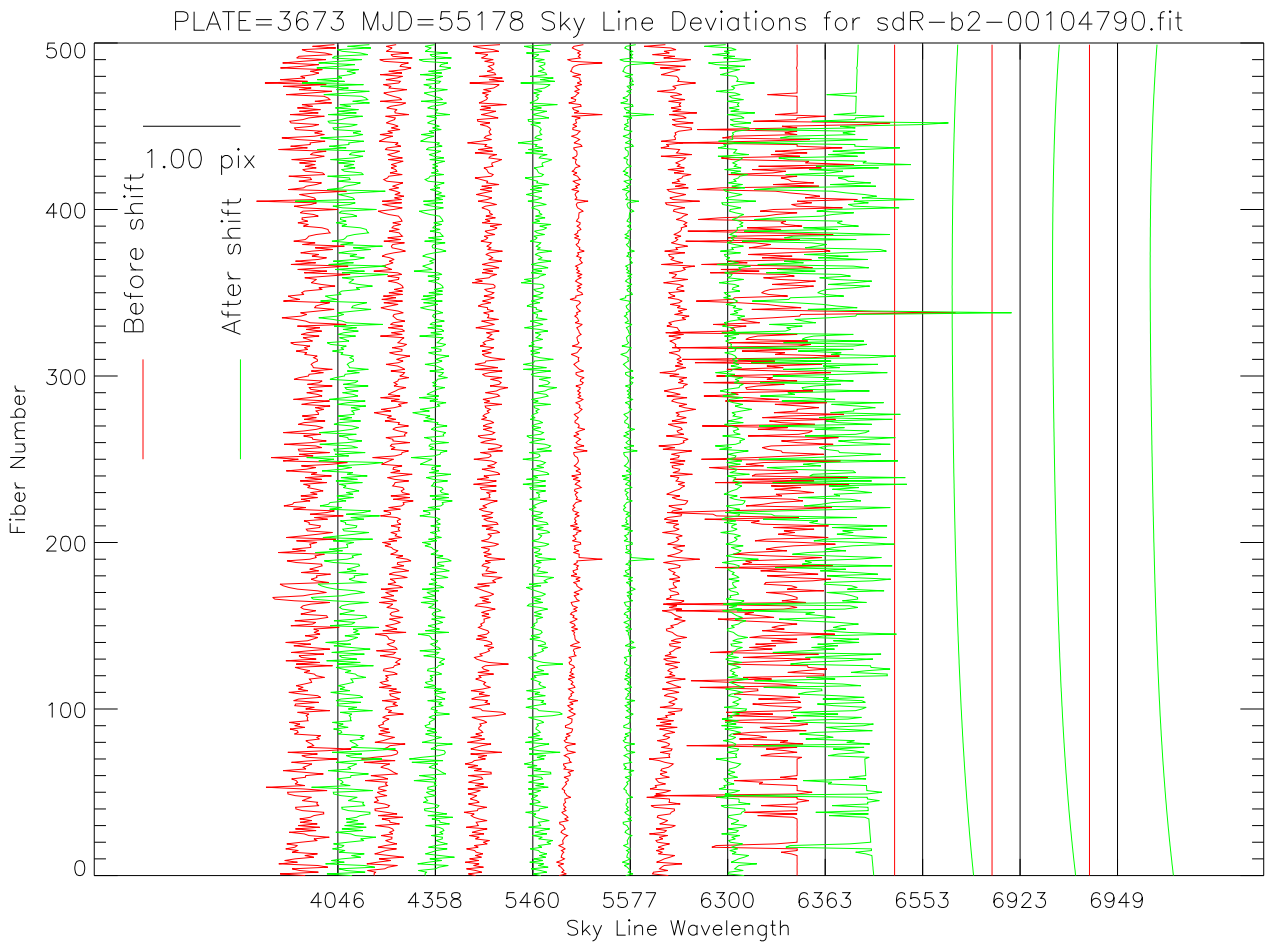

PLATE=3673 MJD=55178 flat extraction chi^2 for sdR−b2−00104799.fit
BLACK = Final chisq extraction
χ^2
Row number
0
20
40
60
80
100
0
1000
2000
3000
4000

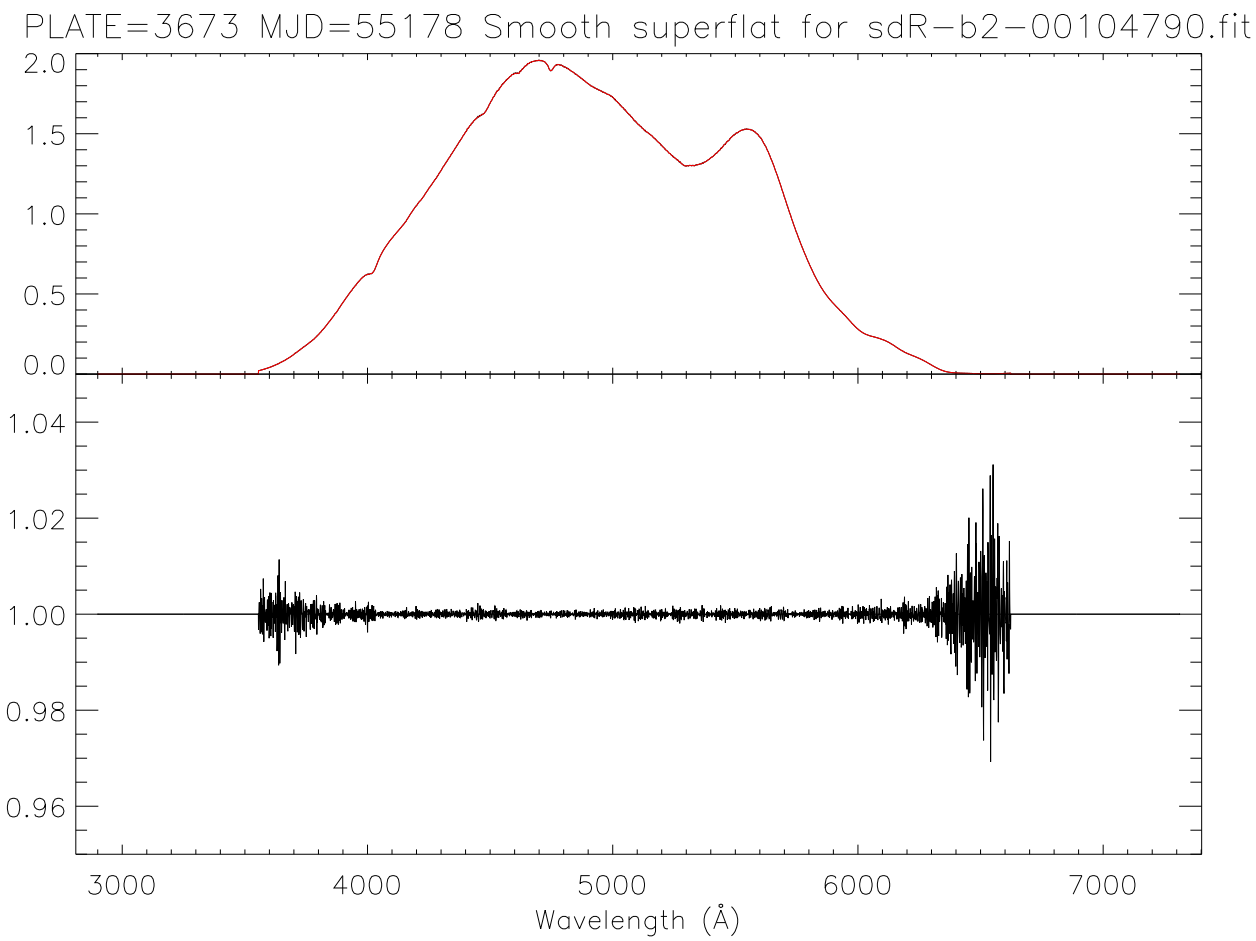

PLATE=3673 MJD=55178 Superflat sdR-b2-00104799.fit
RED = Superflat fit to central fiber
BLACK = 2.3 15.8 50.0 84.2 97.7 percentiles
Normalized flux
λ [A]
0.0
0.5
1.0
1.5
2.0
4000
4500
5000
5500
6000
6500

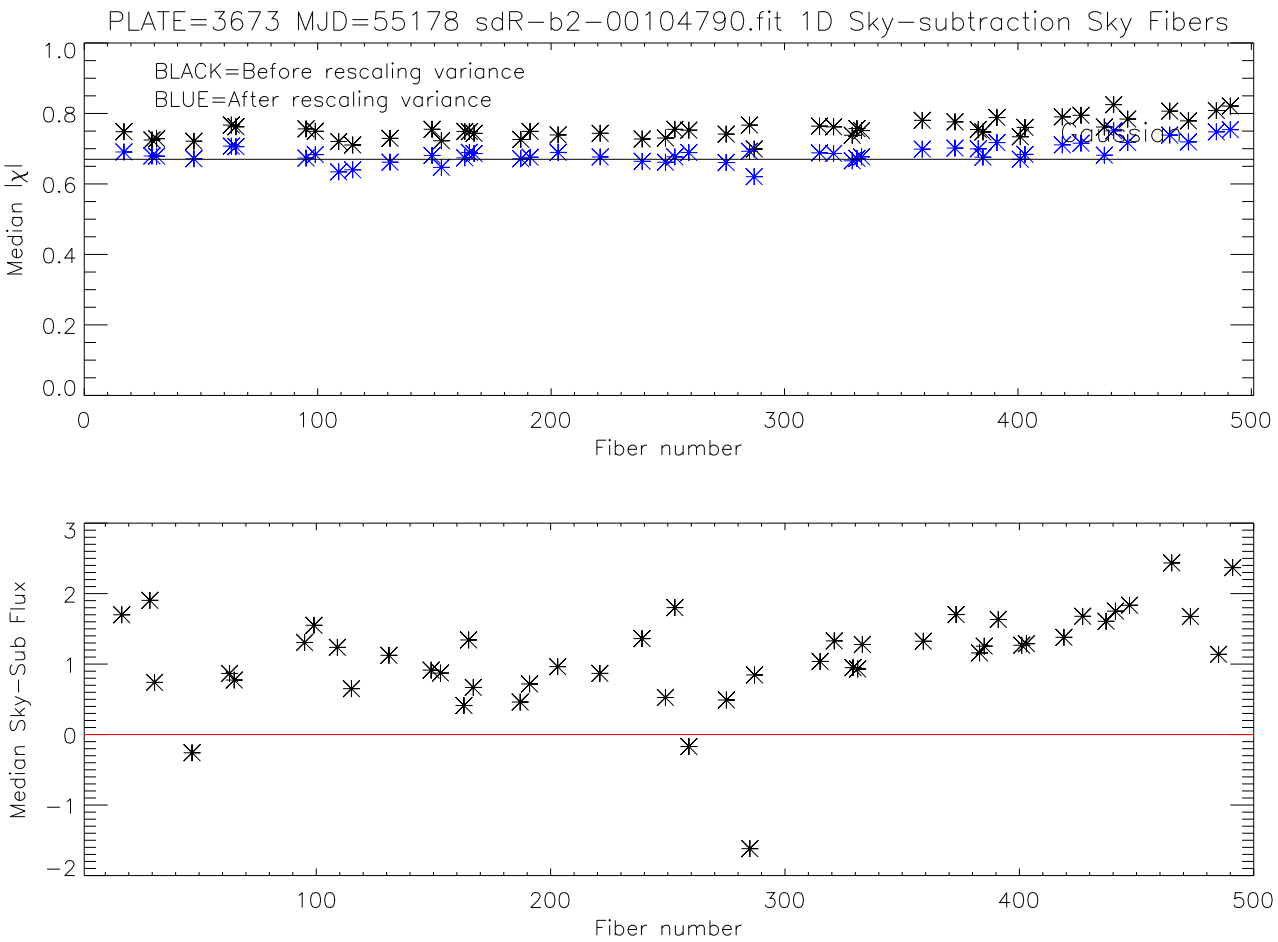

PLATE=3673 MJD=55178 Arcline Fit for sdR-b2-00104795.fit
Fiber Number
500
400
300
200
100
0
3000
4000
5000
6000
7000
λ [A] + 300 * Deviation
Ncoeff = 6
Deviation [pix]
0.15
0.10
0.05
−0.00
−0.05
−0.10
−0.15
3000
4000
5000
6000
7000
λ [A]
Sat Aug 27 17:46:10 2011

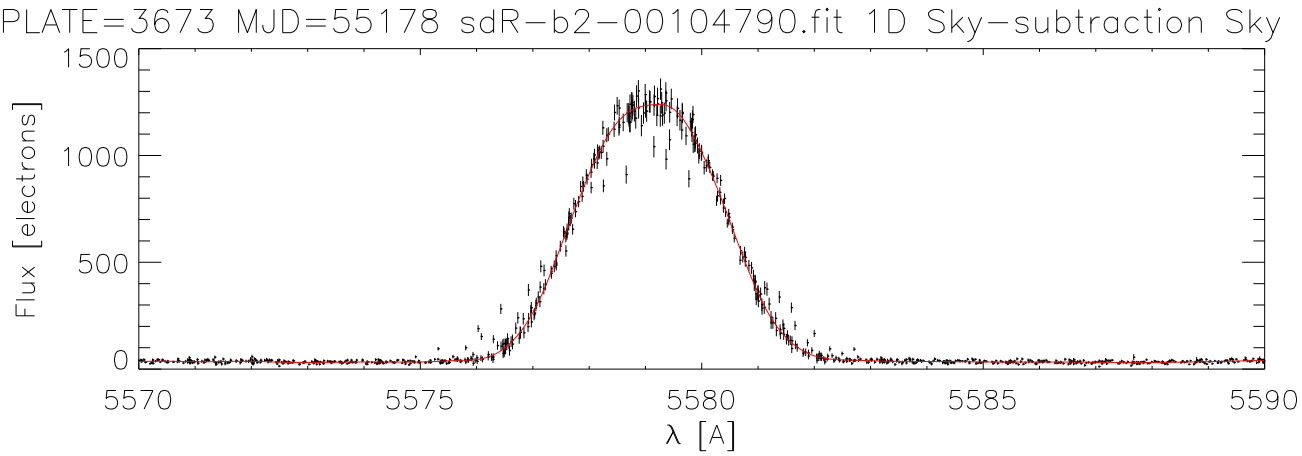

PLATE=3673 MJD=55178 Fiber-Flats for sdR-b2-00104794.fit
BLACK = Median value
ENVELOPE = 95% of points
GREEN = Outlier points
Min value = 0.006
Max value = 1.439
Fiber-Flat
1.5
1.0
0.5
0.0
3000
4000
5000
6000
7000
λ [A]
Sat Aug 27 17:46:33 2011

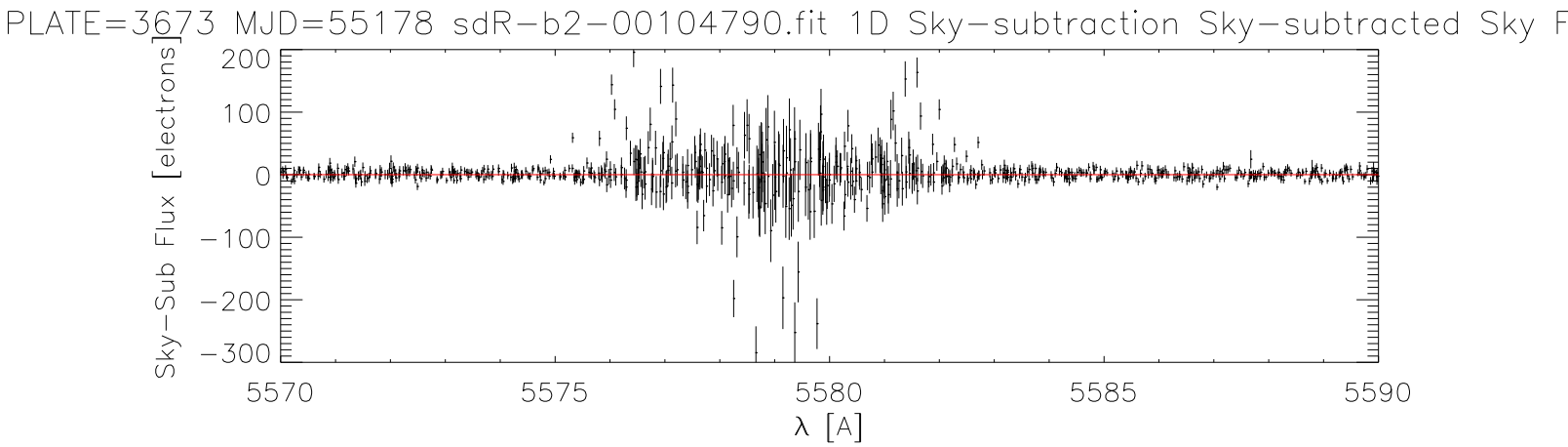

PLATE=3673 MJD=55178 Extraction chi^2 for sdR-b2-00104790.fit
BLACK = Final chisq extraction
χ^2
2.0
1.5
1.0
0.5
0.0
0
1000
2000
3000
4000
Row number


PLATE=3673 MJD=55178 Sky Line Deviations for sdR-b2-00104790.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

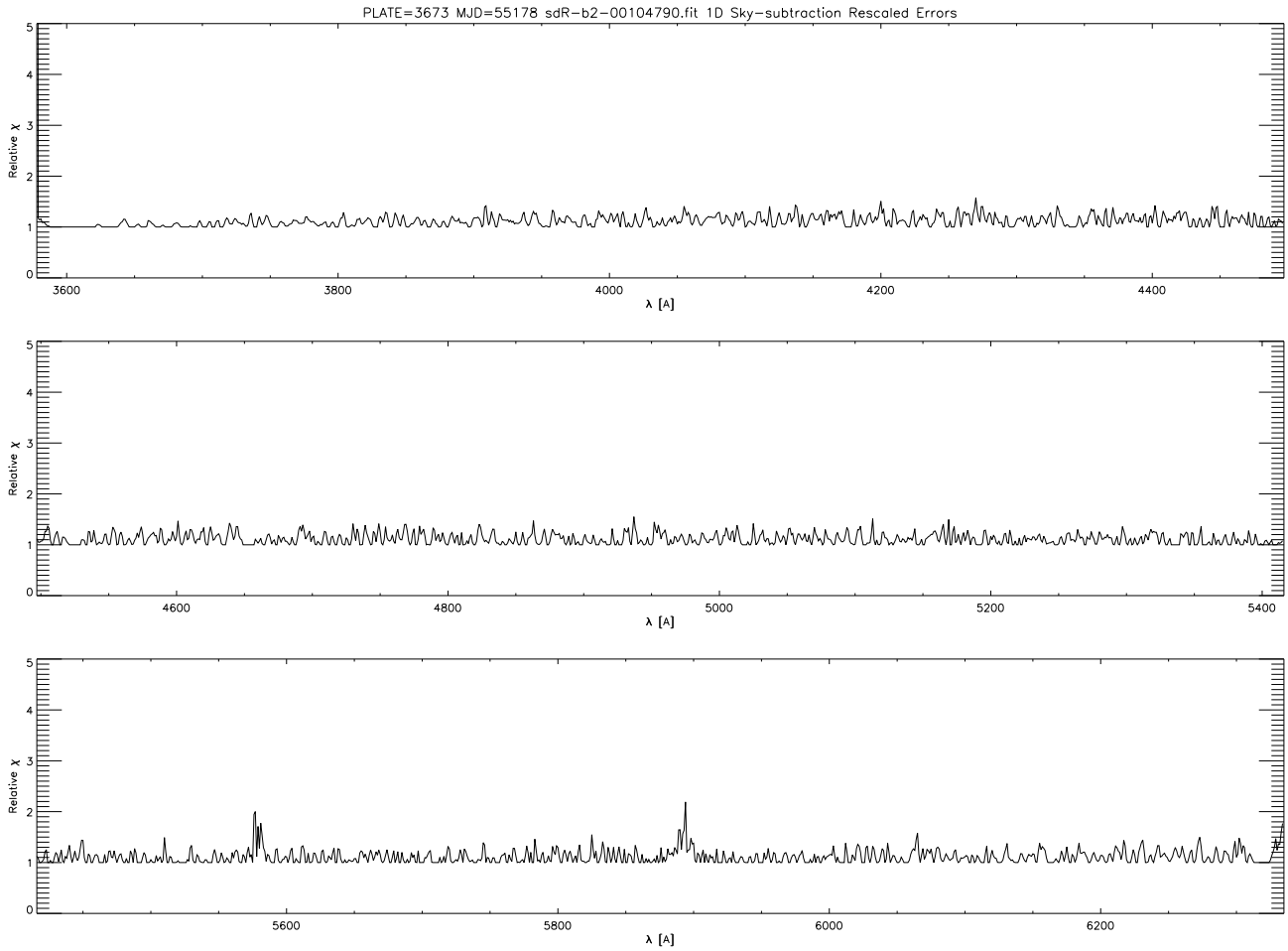

PLATE=3673 MJD=55178 Smooth superflat for sdR-b2-00104790.fit
2.0
1.5
1.0
0.5
0.0
1.04
1.02
1.00
0.98
0.96
3000
4000
5000
6000
7000
Wavelength (Å)

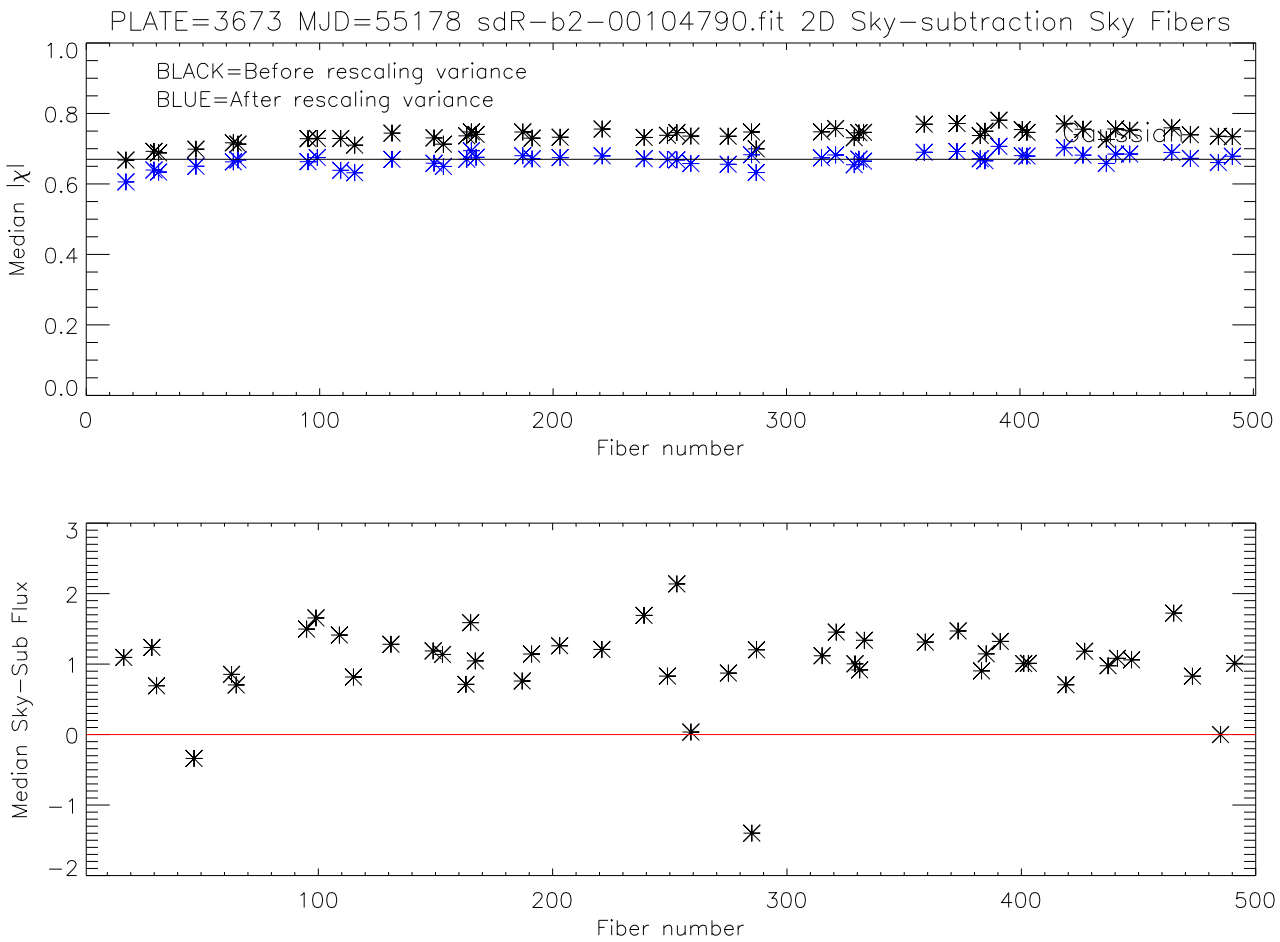

PLATE=3673 MJD=55178 sdR-b2-00104790.fit 1D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

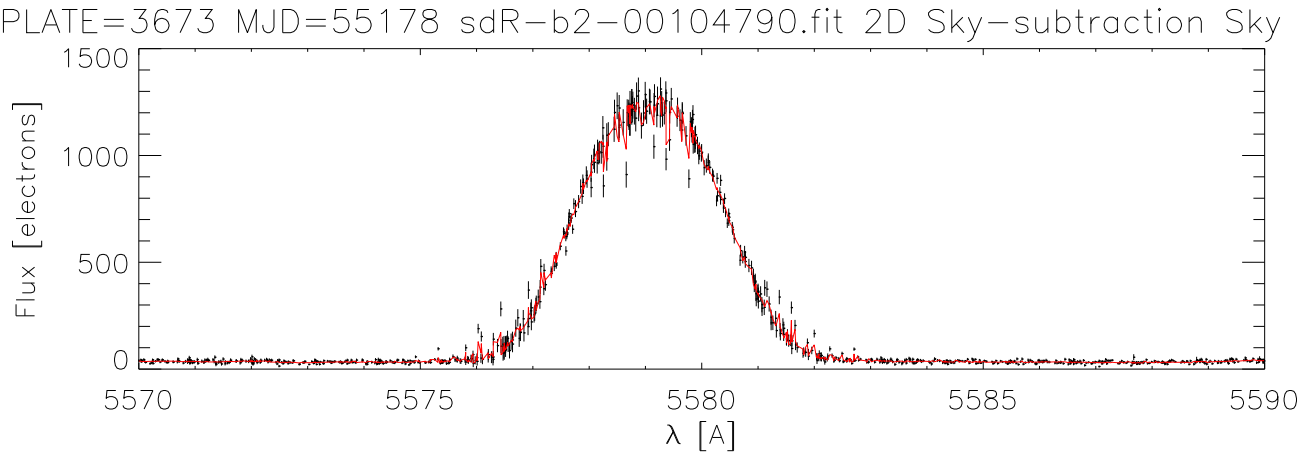

PLATE=3673 MJD=55178 sdR-b2-00104790.fit 1D Sky-subtraction Sky Fibers
Flux [electrons]
1500
1000
500
0
5570
5575
5580
5585
5590
λ [A]

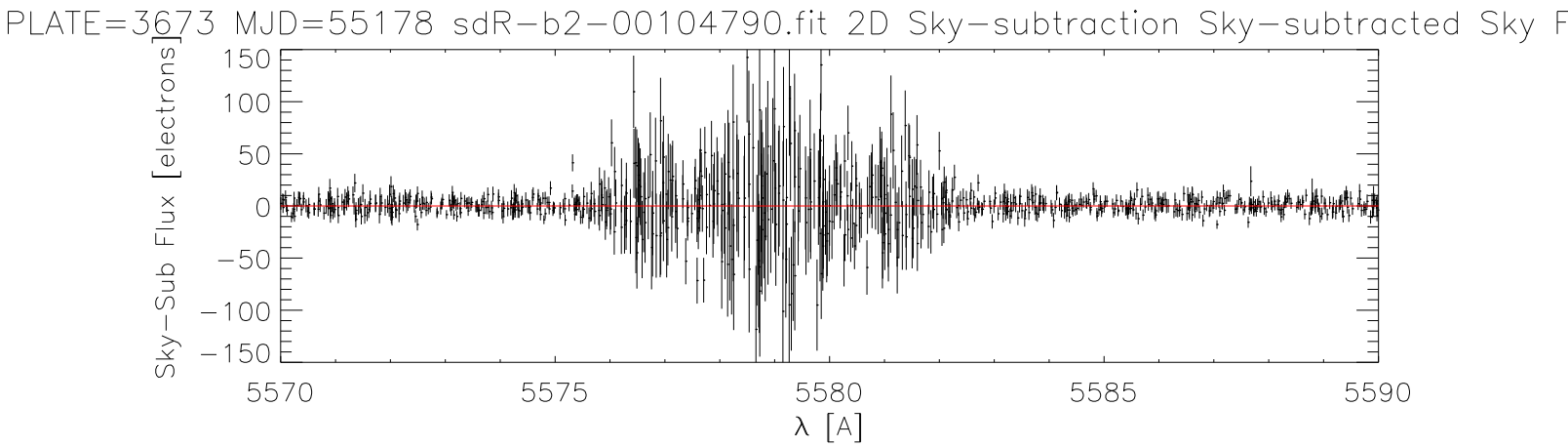

PLATE=3673 MJD=55178 sdR-b2-00104790.fit 1D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
200
100
0
-100
-200
-300
5570
5575
5580
5585
5590
λ [A]

Number of sky fibers = 48

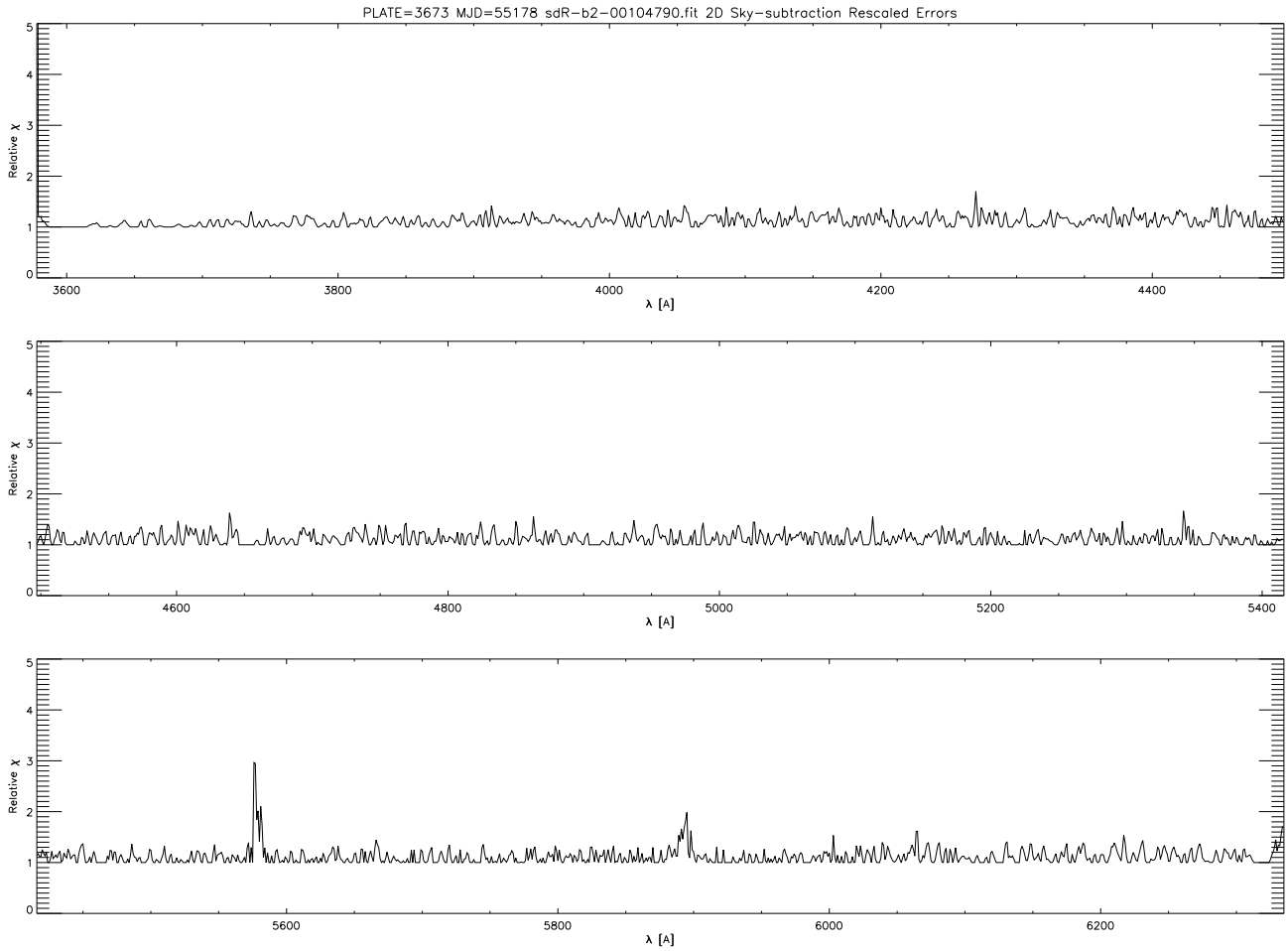


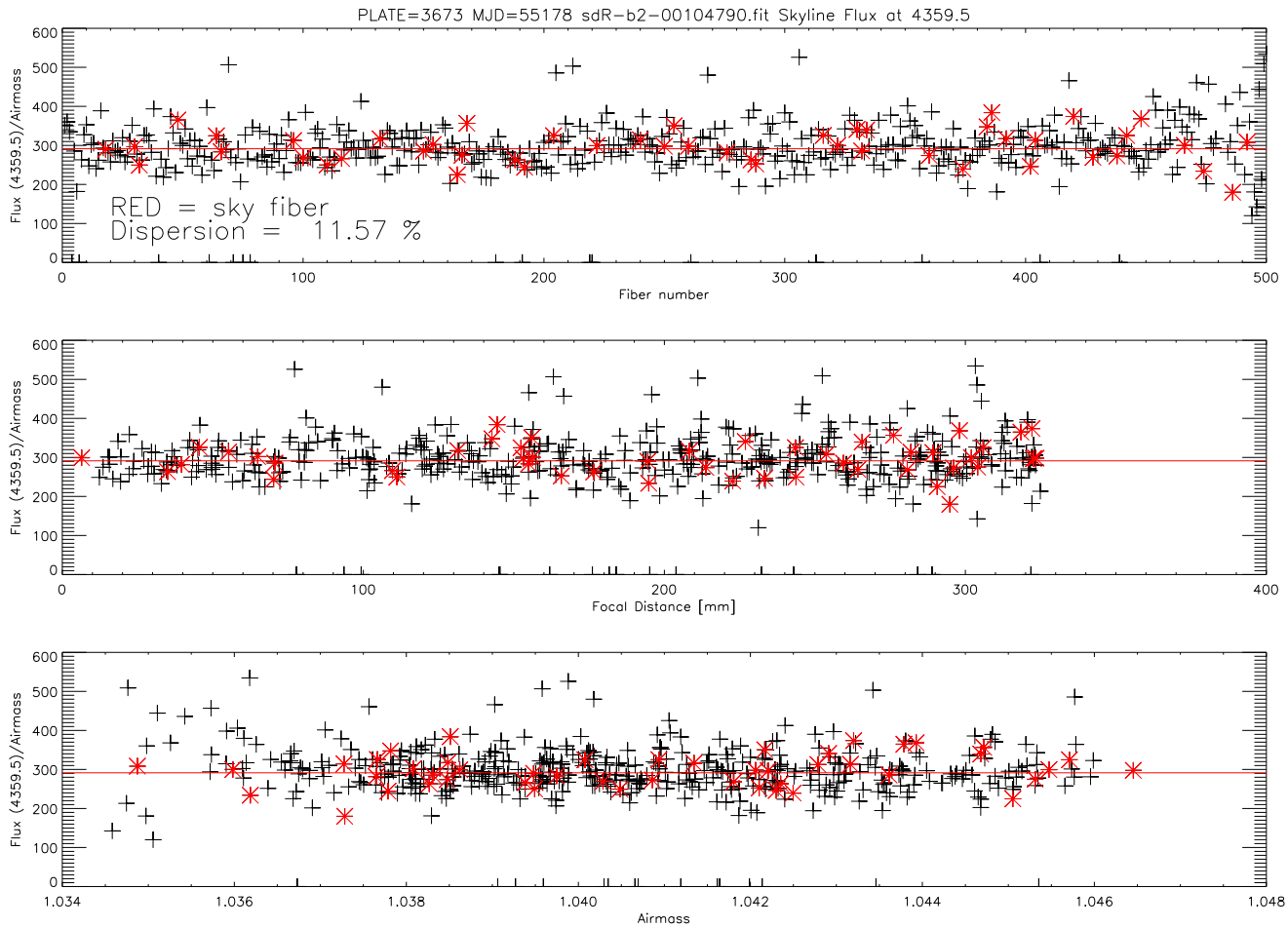

PLATE=3673 MJD=55178 sdR-b2-00104790.fit 2D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

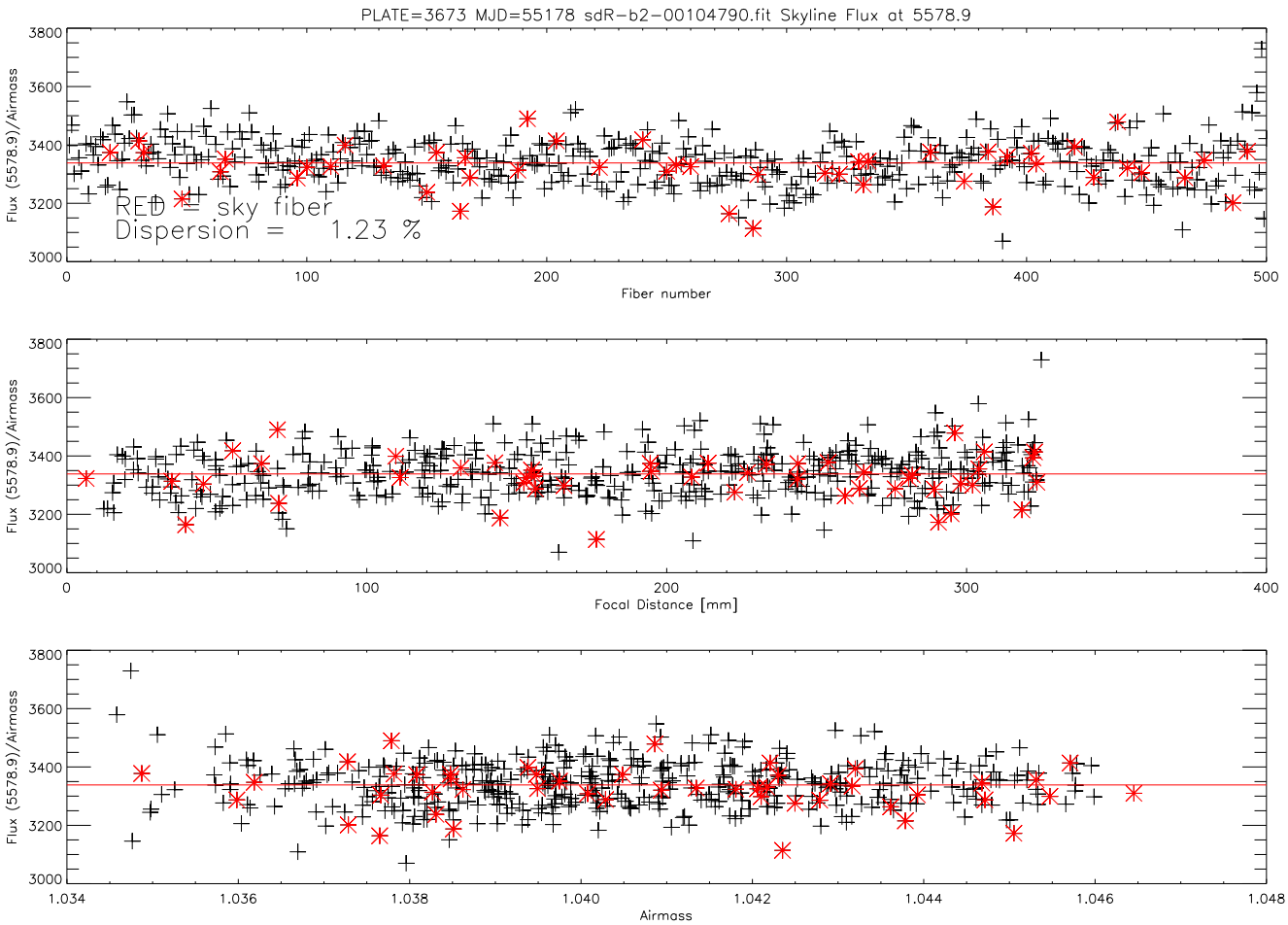

PLATE=3673 MJD=55178 sdR-b2-00104790.fit 2D Sky-subtraction Sky Fibers
Flux [electrons]
1500
1000
500
0
5570
5575
5580
5585
5590
λ [A]

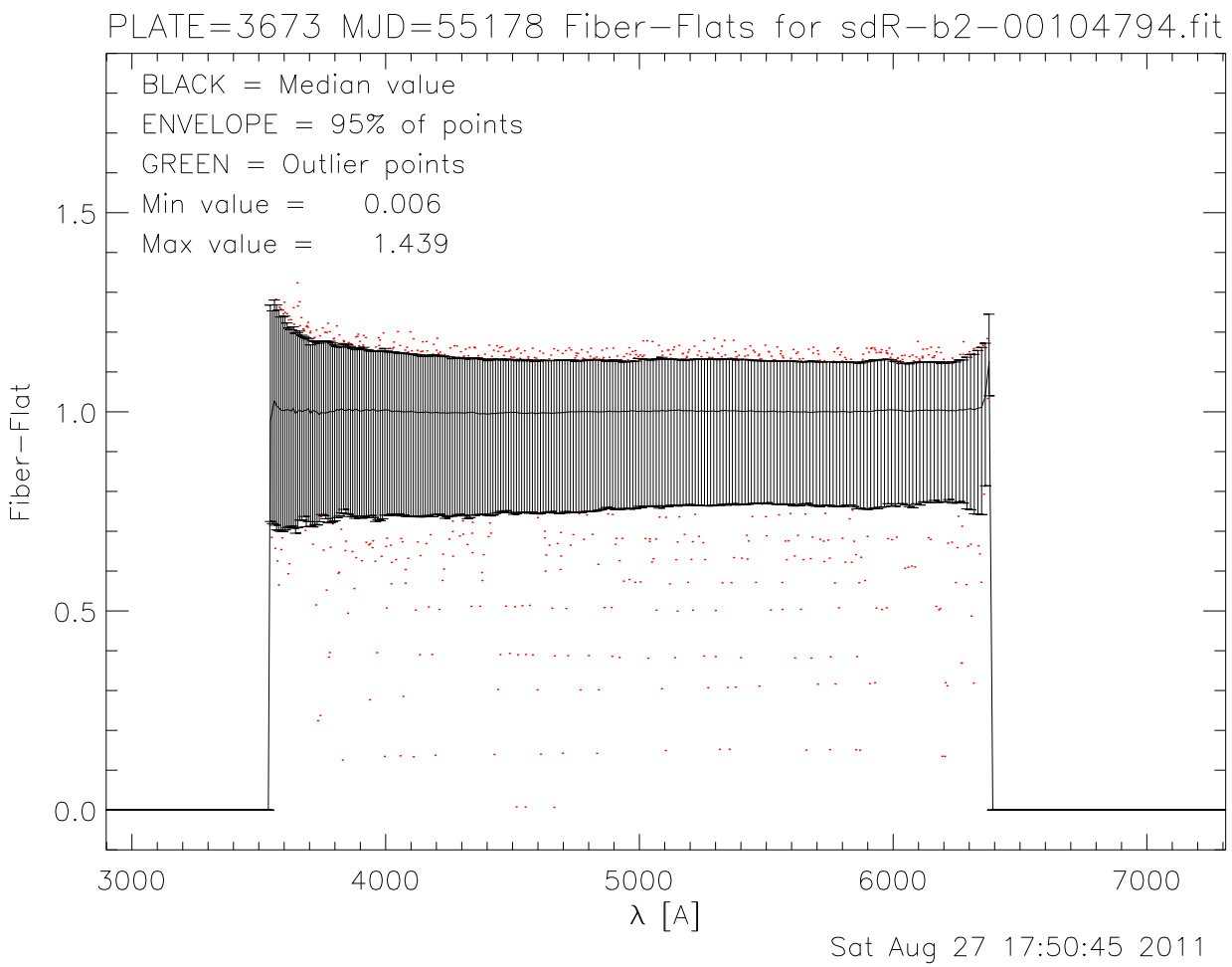

PLATE=3673 MJD=55178 sdR-b2-00104790.fit 2D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
150
100
50
0
-50
-100
-150
5570
5575
5580
5585
5590
λ [A]

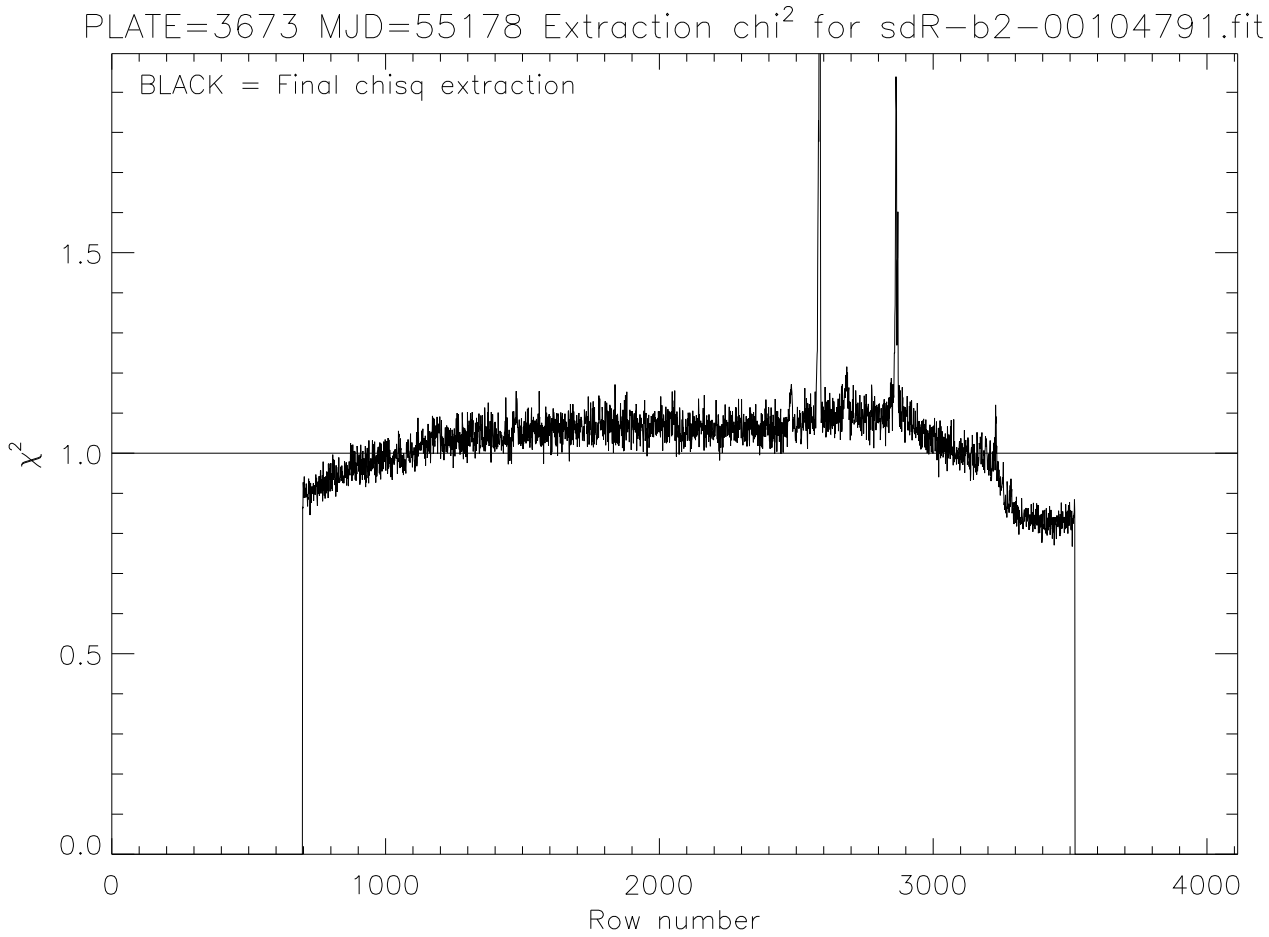
Number of sky fibers = 48

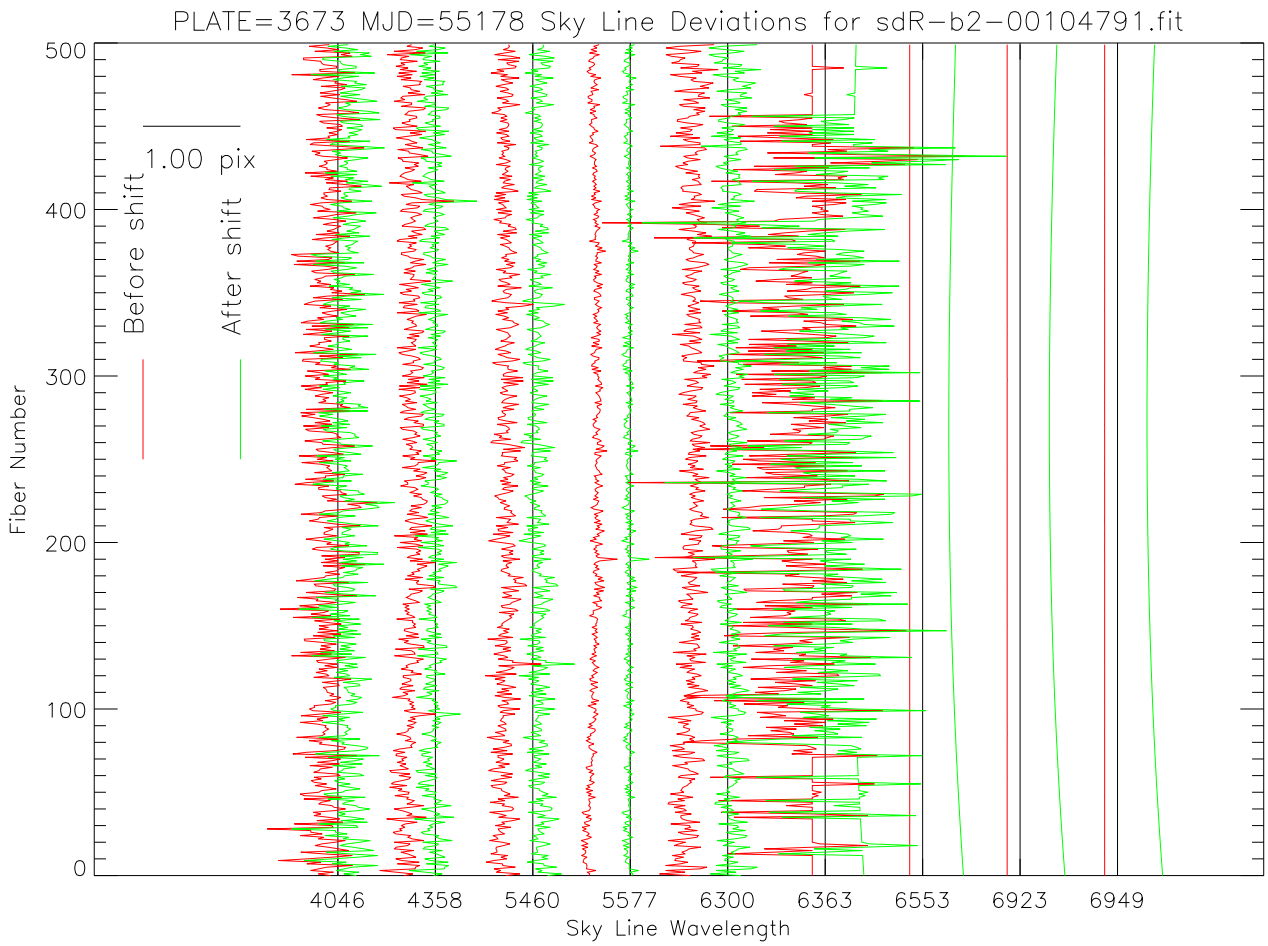


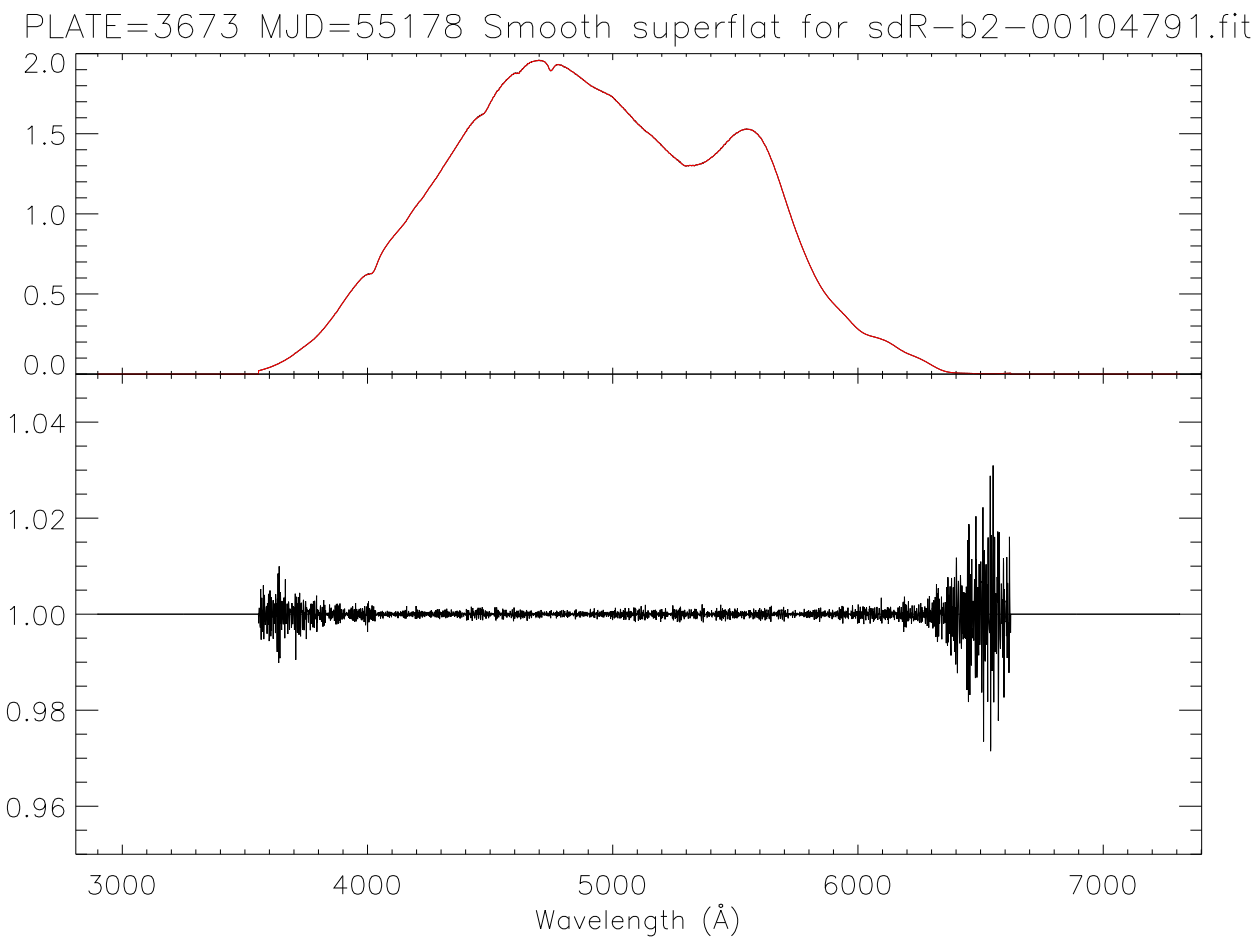

PLATE=3673 MJD=55178 sdR-b2-00104790.fit Skyline Flux at 4359.5
Flux (4359.5)/Airmass
RED = sky fiber
Dispersion = 11.57 %
Fiber number
Flux (4359.5)/Airmass
Focal Distance [mm]
Flux (4359.5)/Airmass
Airmass

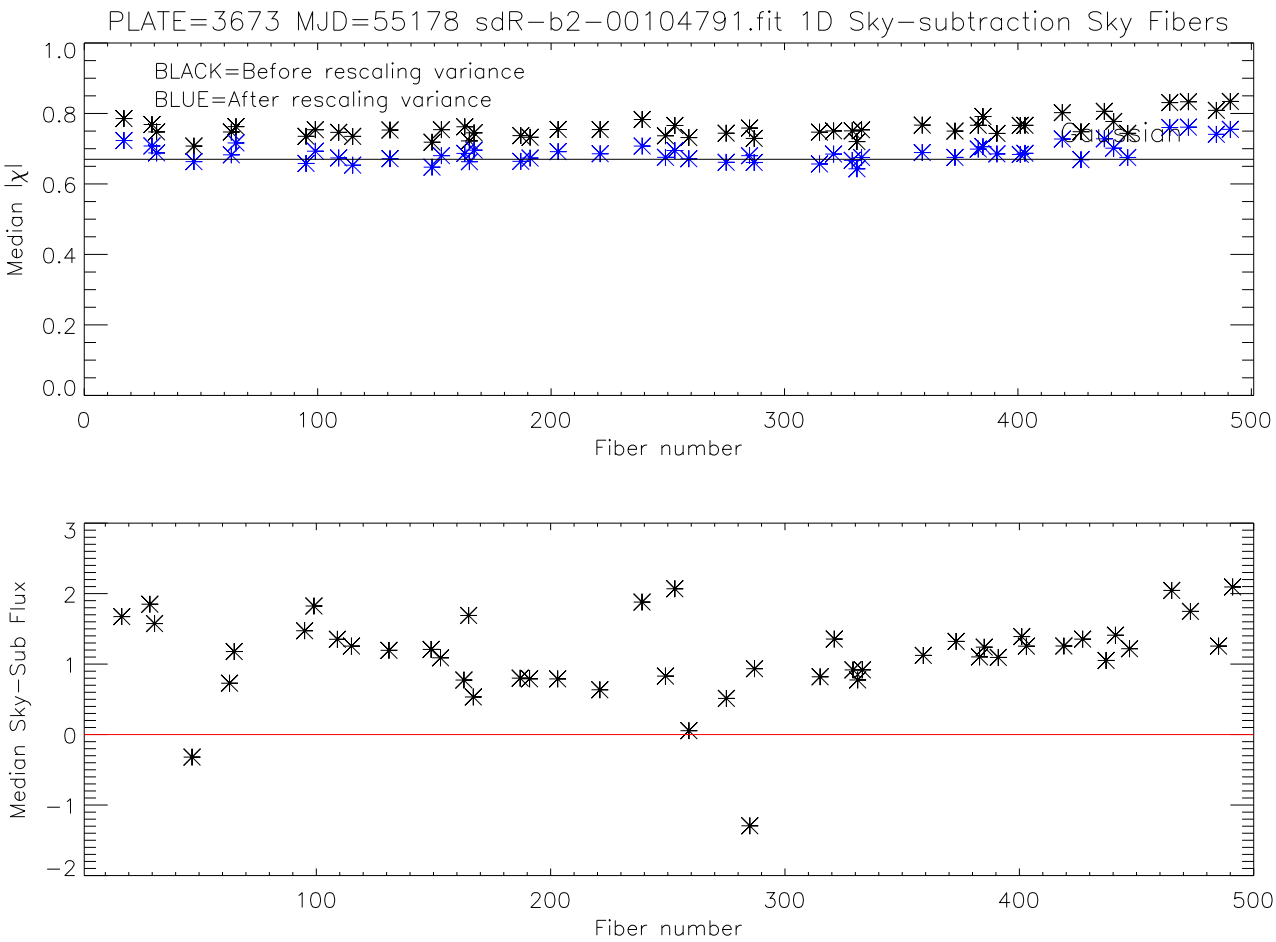

PLATE=3673 MJD=55178 sdR-b2-00104790.fit Skyline Flux at 5578.9
Flux (5578.9)/Airmass
RED = sky fiber
Dispersion = 1.23 %
Fiber number
Focal Distance [mm]
Airmass

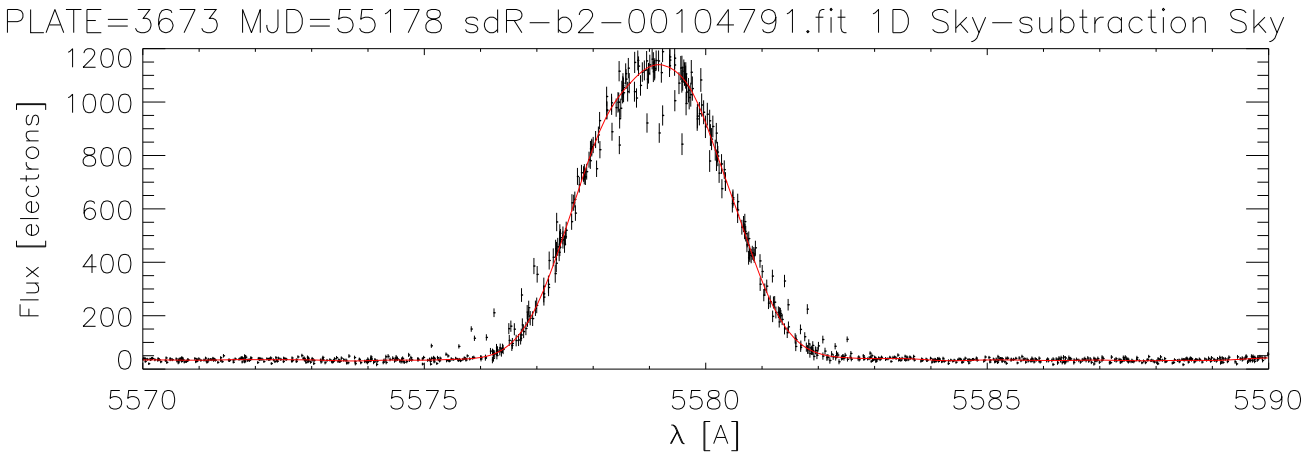

PLATE=3673 MJD=55178 Fiber-Flats for sdR-b2-00104794.fit
BLACK = Median value
ENVELOPE = 95% of points
GREEN = Outlier points
Min value = 0.006
Max value = 1.439
Fiber-Flat
1.5
1.0
0.5
0.0
3000
4000
5000
6000
7000
λ [A]
Sat Aug 27 17:50:45 2011

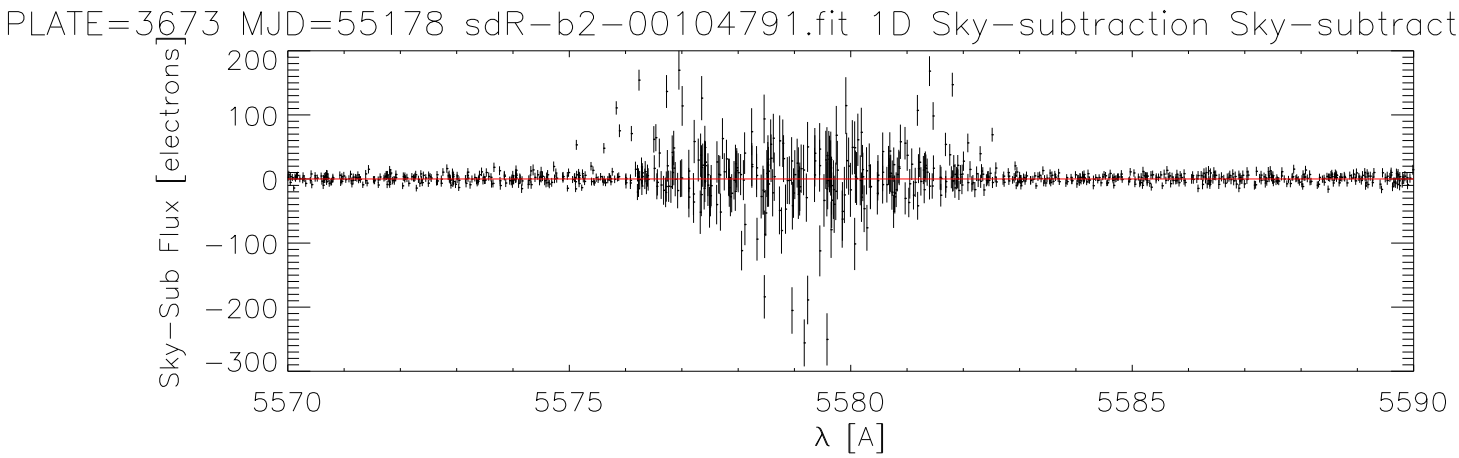

PLATE=3673 MJD=55178 Extraction chi^2 for sdR−b2−00104791.fit
BLACK = Final chisq extraction
χ^2
0.0
0.5
1.0
1.5
0
1000
2000
3000
4000
Row number


PLATE=3673 MJD=55178 Sky Line Deviations for sdR-b2-00104791.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

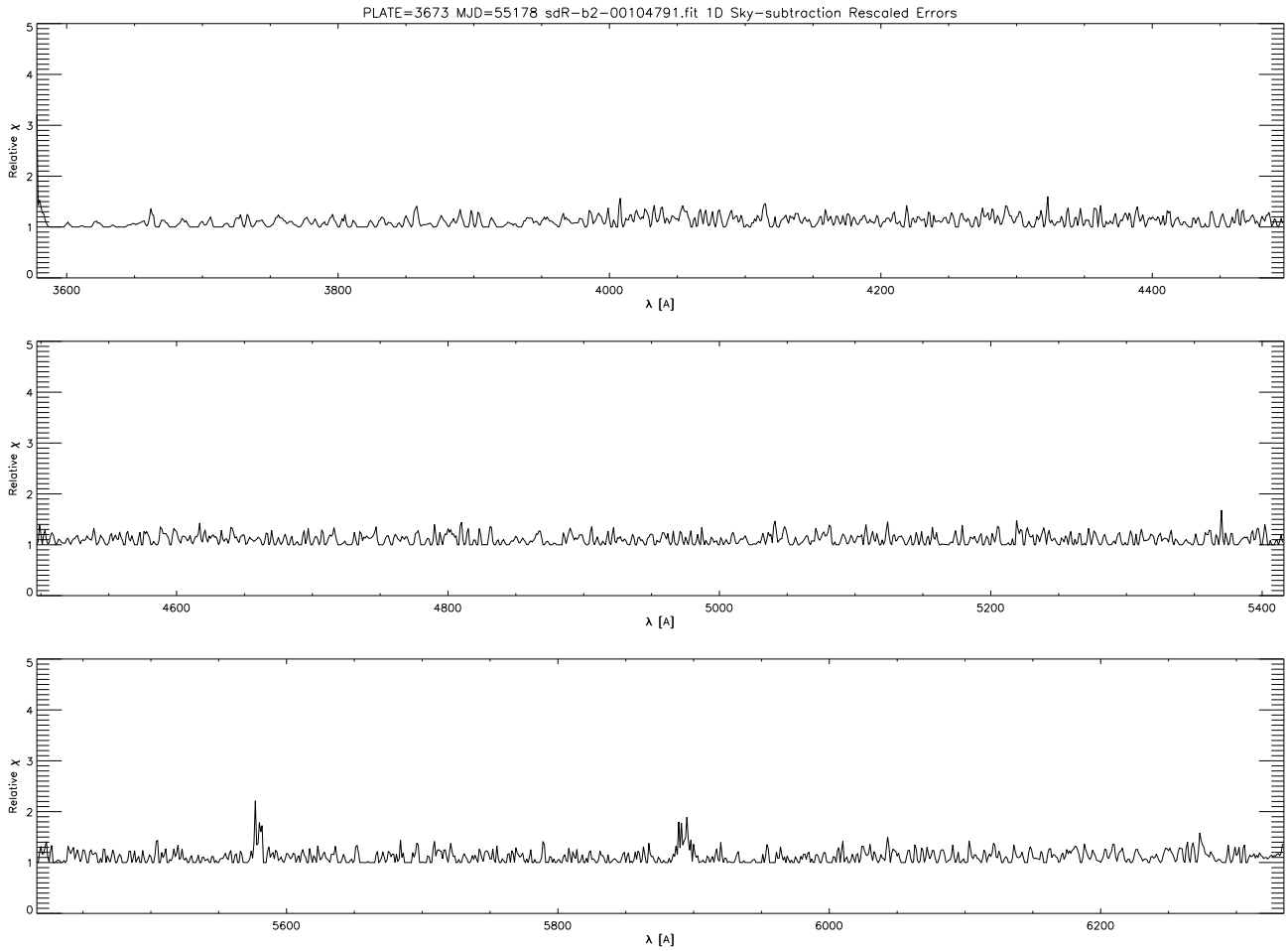

PLATE=3673 MJD=55178 Smooth superflat for sdR-b2-00104791.fit
2.0
1.5
1.0
0.5
0.0
1.04
1.02
1.00
0.98
0.96
3000
4000
5000
6000
7000
Wavelength (Å)

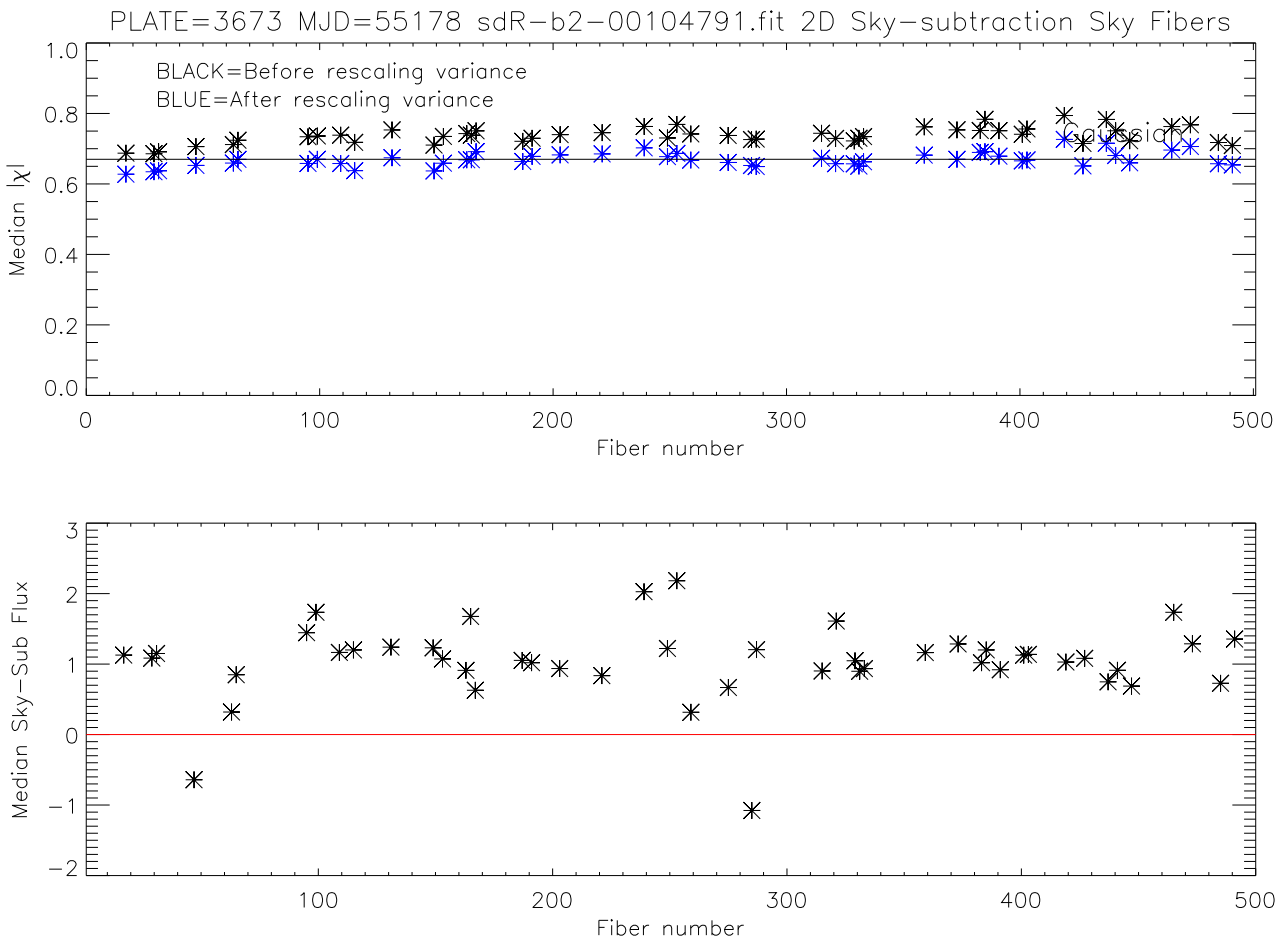

PLATE=3673 MJD=55178 sdR-b2-00104791.fit 1D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

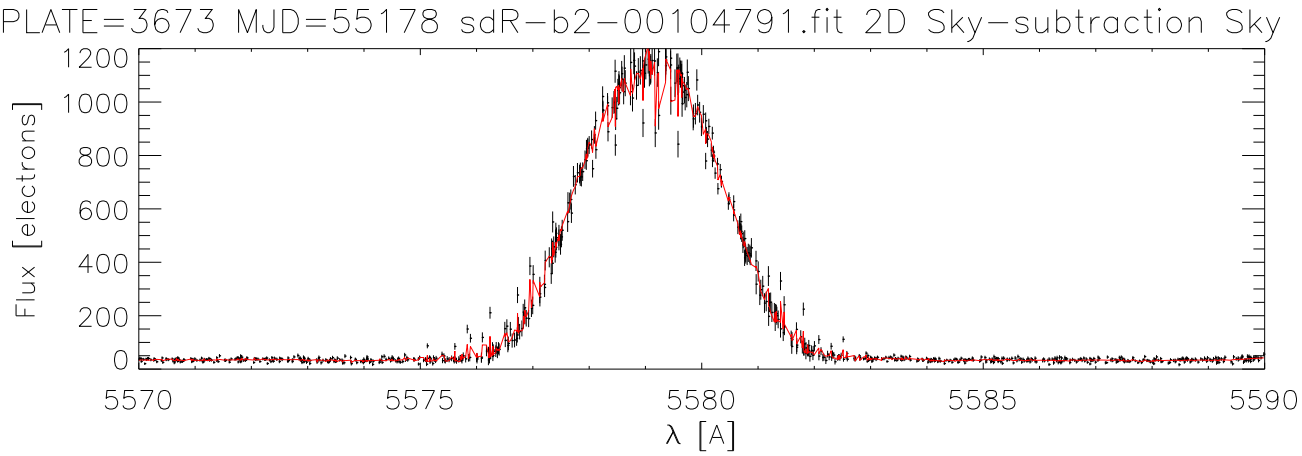

PLATE=3673 MJD=55178 sdR-b2-00104791.fit 1D Sky-subtraction Sky Fibers
Flux [electrons]
1200
1000
800
600
400
200
0
5570
5575
5580
5585
5590
λ [A]

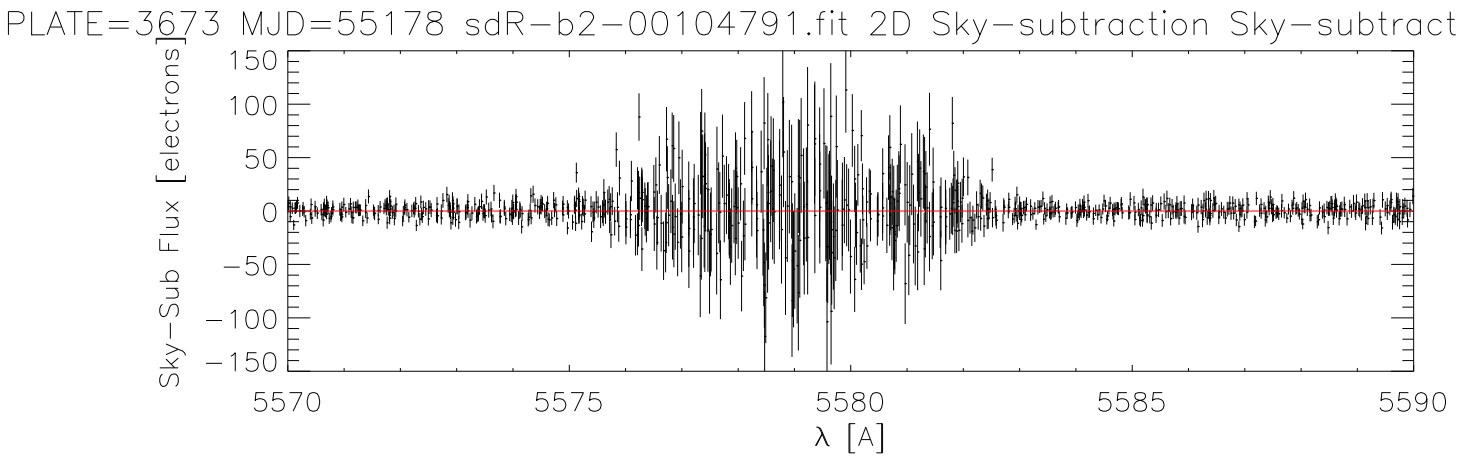

PLATE=3673 MJD=55178 sdR-b2-00104791.fit 1D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
200
100
0
-100
-200
-300
5570
5575
5580
5585
5590
λ [A]

Number of sky fibers = 48

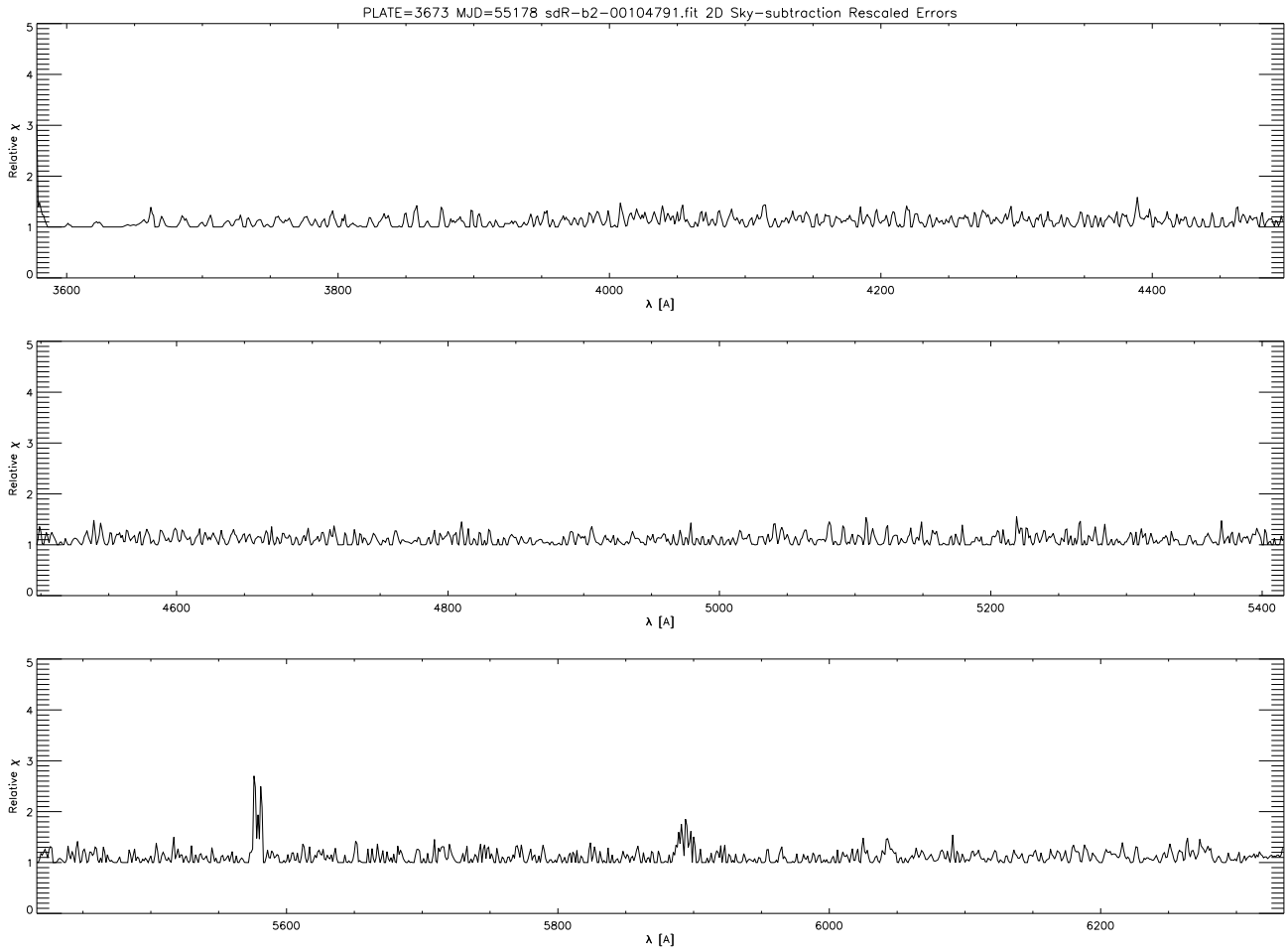


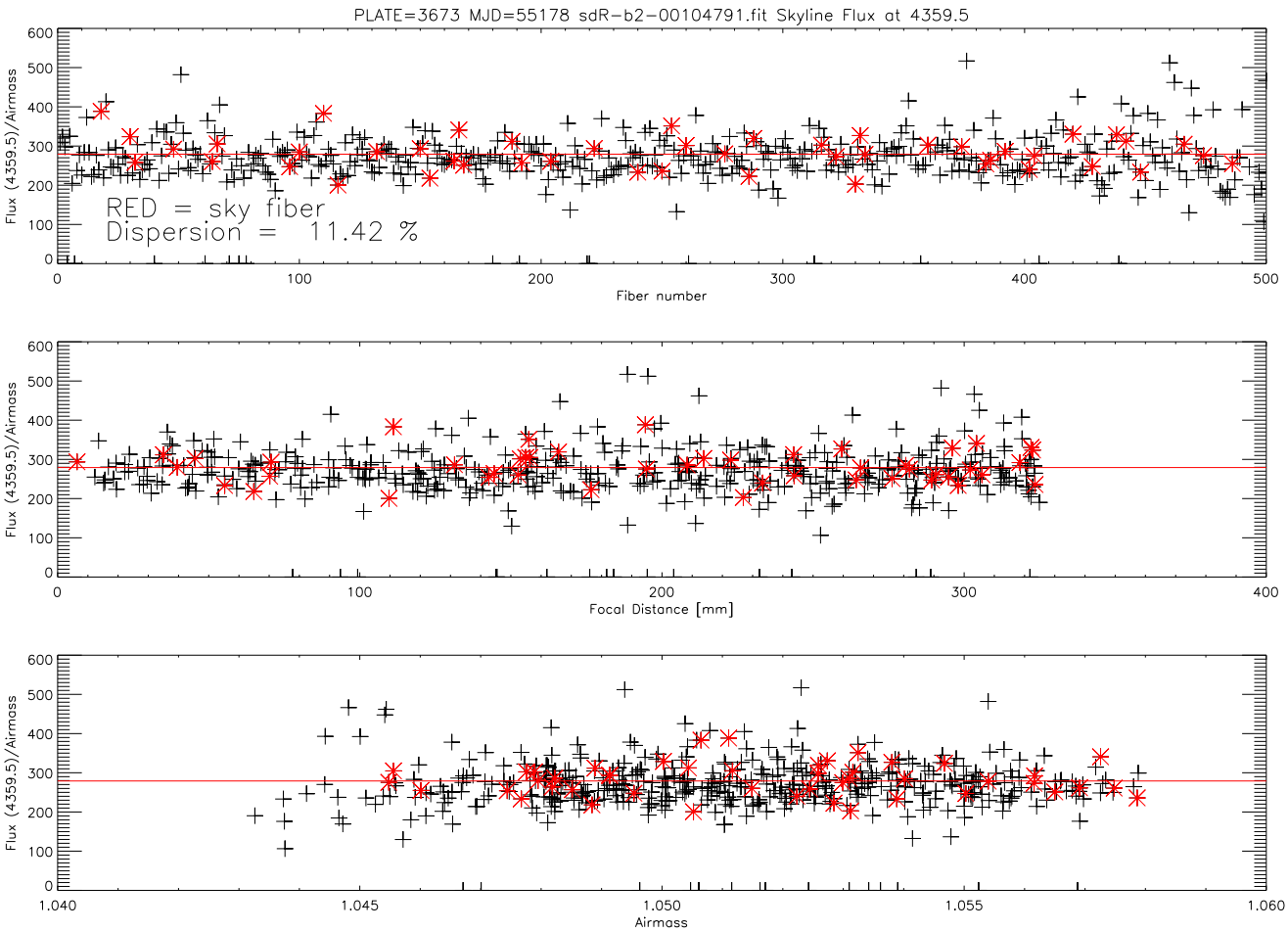

PLATE=3673 MJD=55178 sdR-b2-00104791.fit 2D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

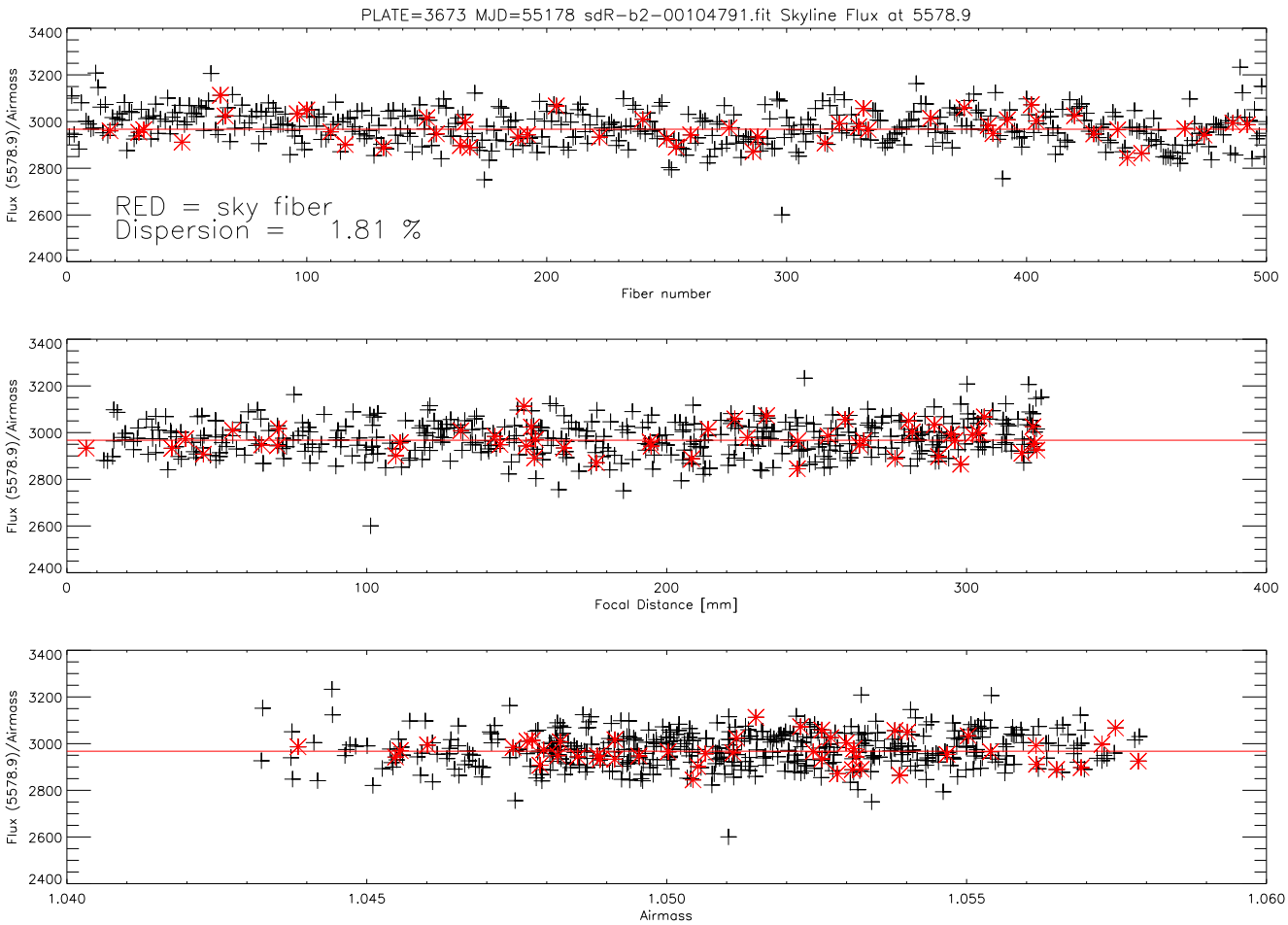

PLATE=3673 MJD=55178 sdR-b2-00104791.fit 2D Sky-subtraction Sky Fibers
Flux [electrons]
1200
1000
800
600
400
200
0
5570
5575
5580
5585
5590
λ [A]

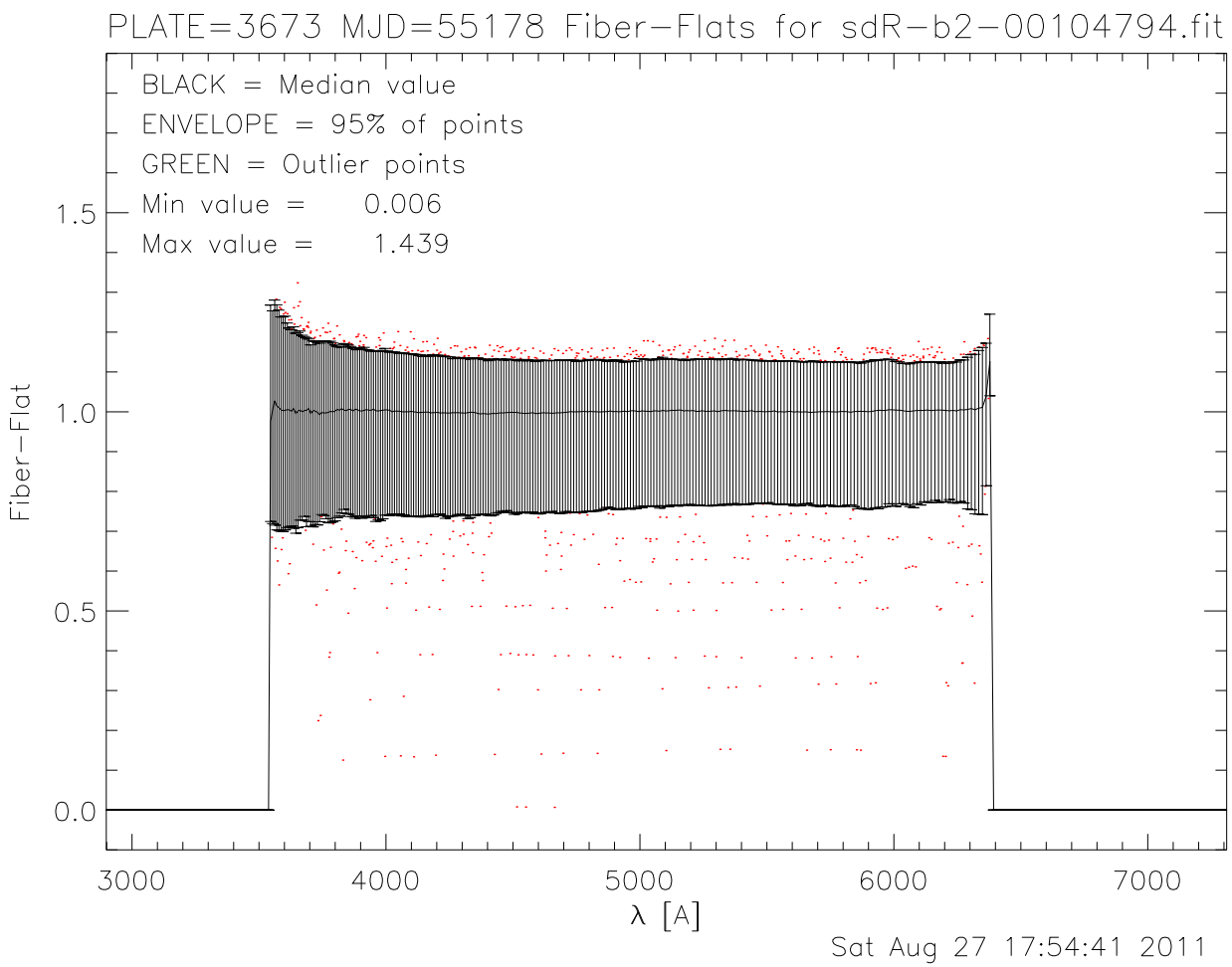

PLATE=3673 MJD=55178 sdR-b2-00104791.fit 2D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
150
100
50
0
-50
-100
-150
5570
5575
5580
5585
5590
λ [A]

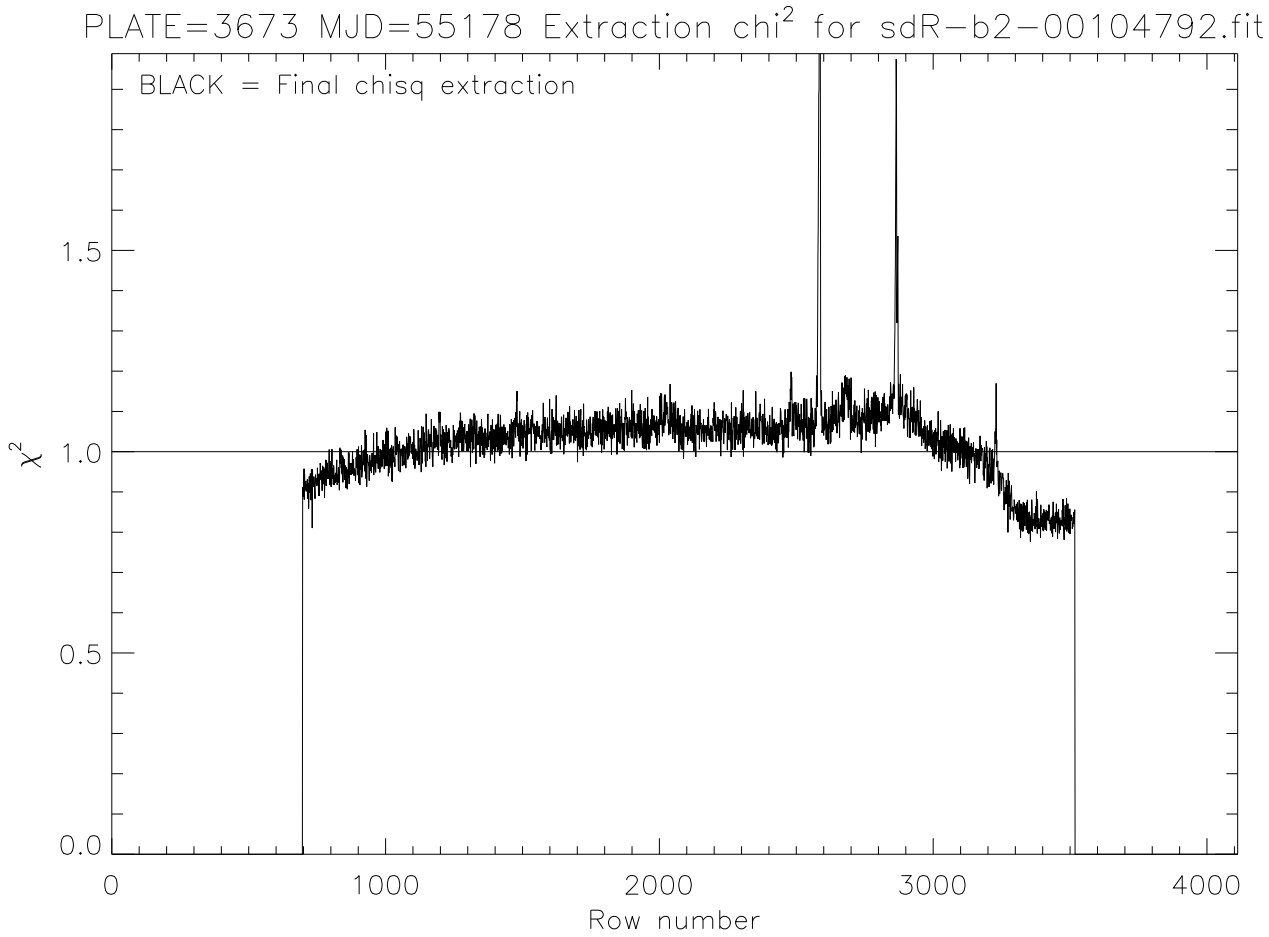
Number of sky fibers = 48

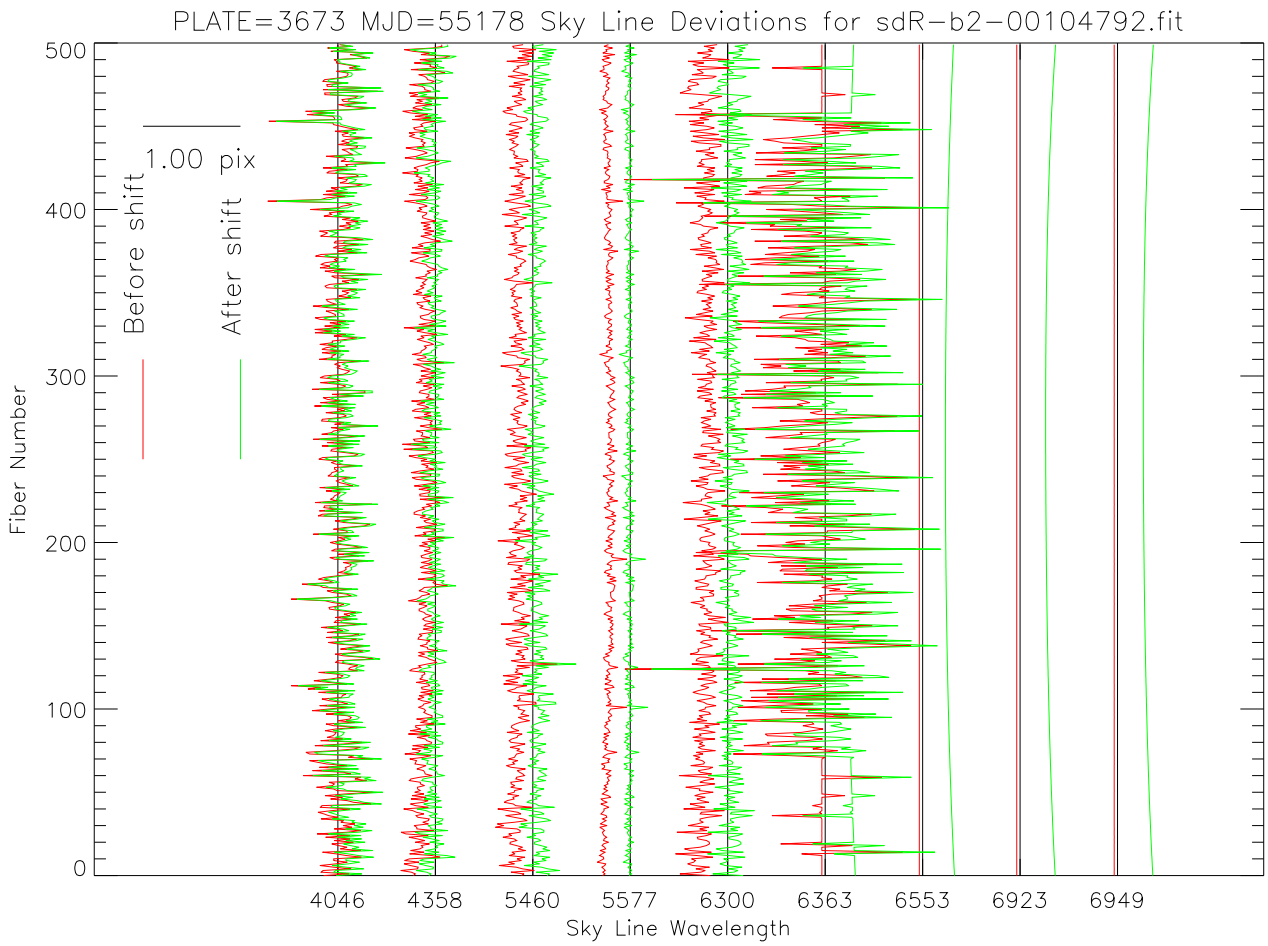


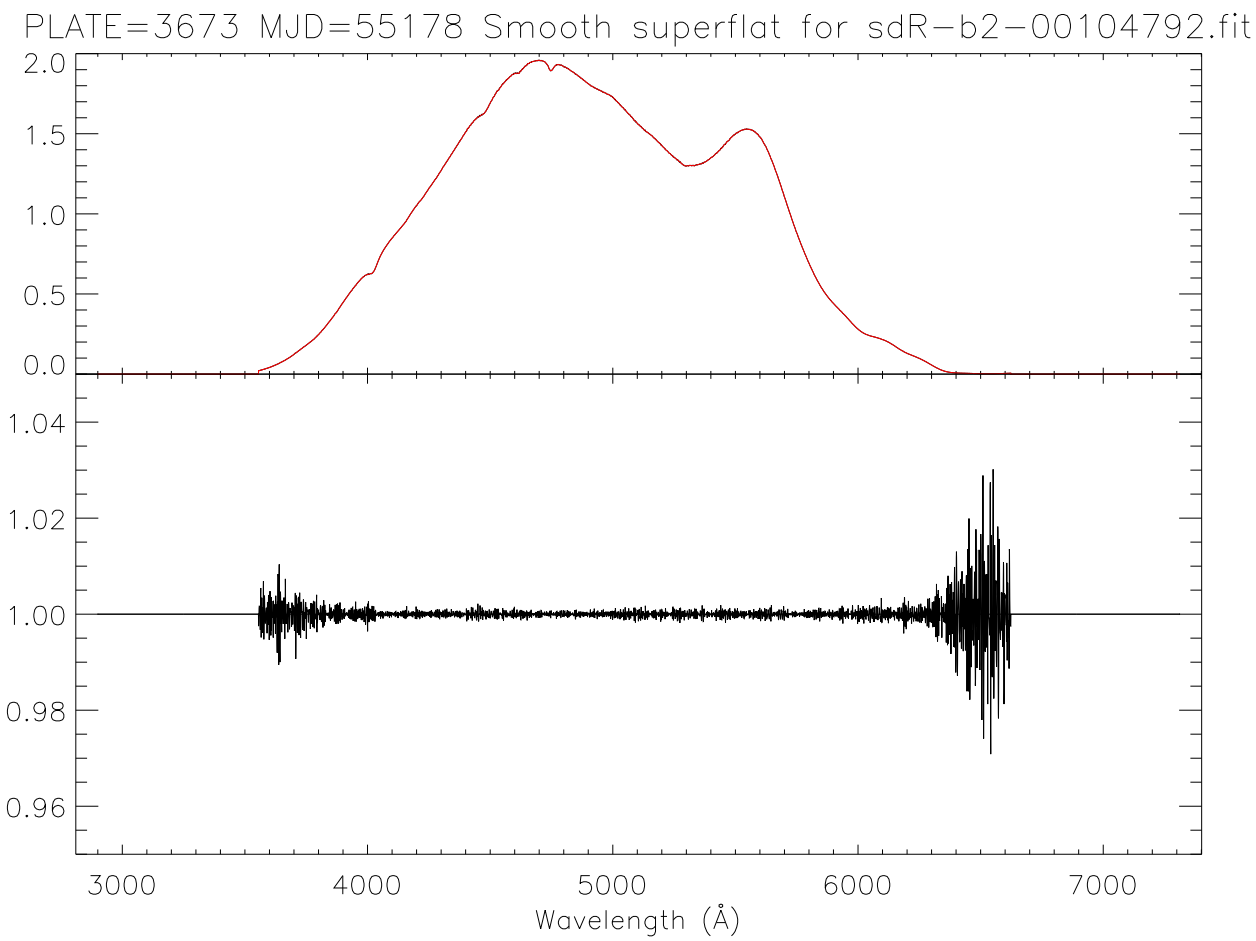

PLATE=3673 MJD=55178 sdR-b2-00104791.fit Skyline Flux at 4359.5
Flux (4359.5)/Airmass
RED = sky fiber
Dispersion = 11.42 %
Fiber number
Flux (4359.5)/Airmass
Focal Distance [mm]
Flux (4359.5)/Airmass
Airmass

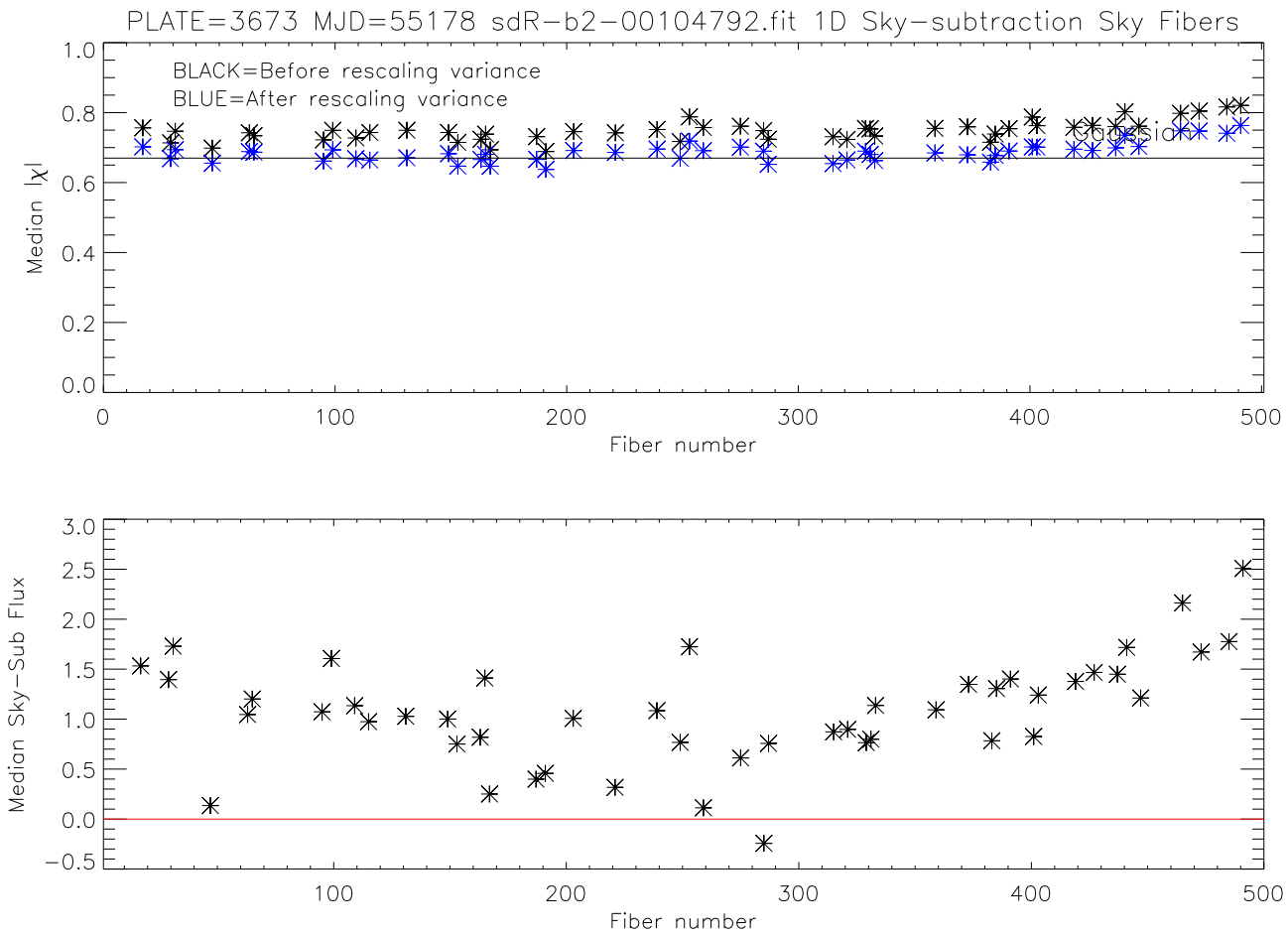

PLATE=3673 MJD=55178 sdR-b2-00104791.fit Skyline Flux at 5578.9
Flux (5578.9)/Airmass
RED = sky fiber
Dispersion = 1.81 %
Fiber number
Focal Distance [mm]
Airmass


PLATE=3673 MJD=55178 Fiber−Flats for sdR−b2−00104794.fit
BLACK = Median value
ENVELOPE = 95% of points
GREEN = Outlier points
Min value = 0.006
Max value = 1.439
Fiber−Flat
1.5
1.0
0.5
0.0
3000
4000
5000
6000
7000
λ [A]
Sat Aug 27 17:54:41 2011

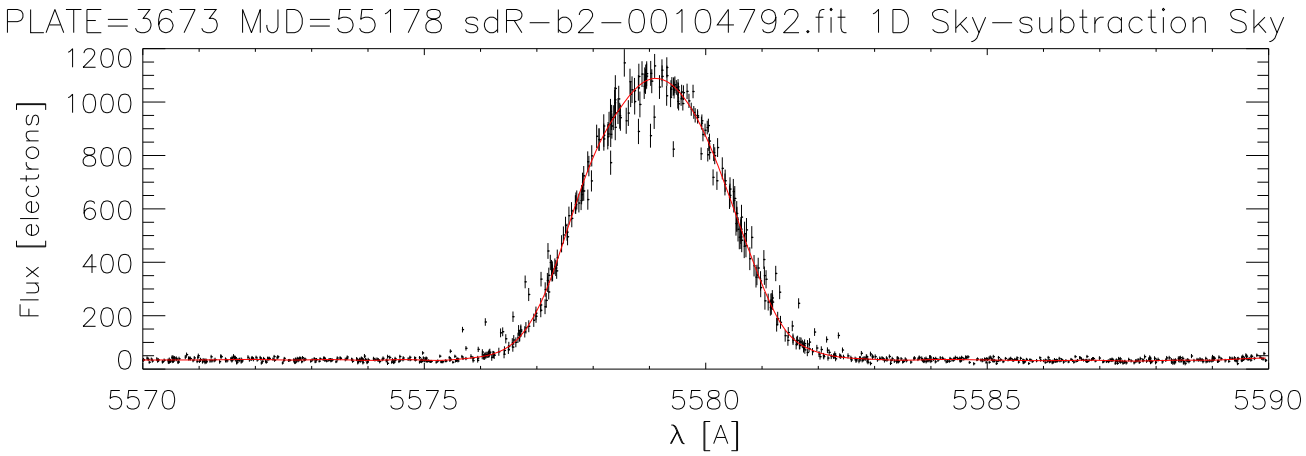

PLATE=3673 MJD=55178 Extraction chi^2 for sdR−b2−00104792.fit
BLACK = Final chisq extraction
χ^2
0.0
0.5
1.0
1.5
0
1000
2000
3000
4000
Row number

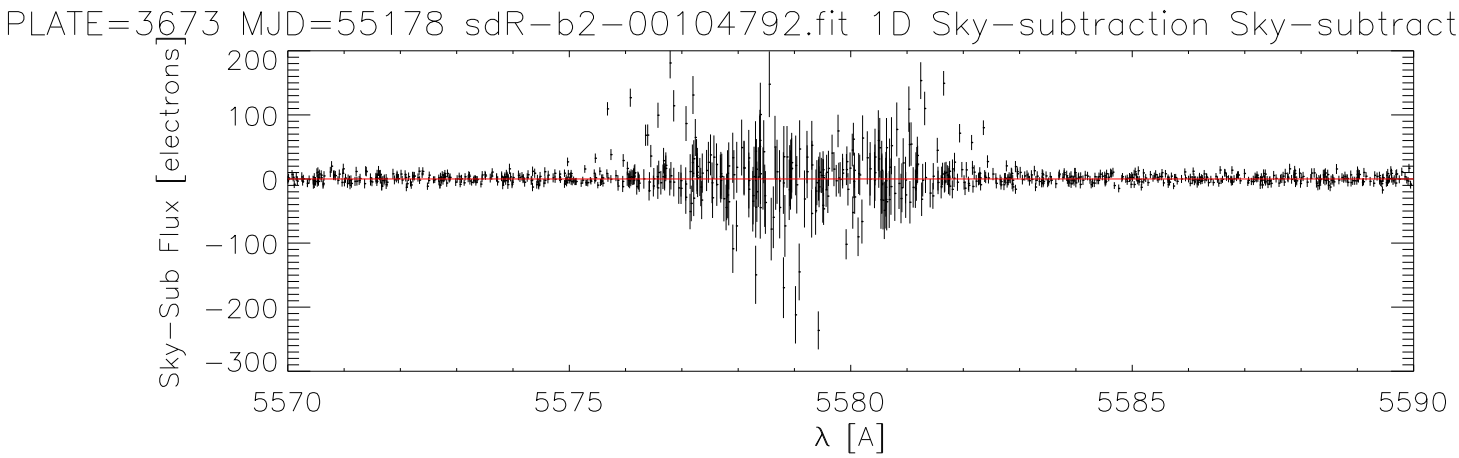

PLATE=3673 MJD=55178 Sky Line Deviations for sdR-b2-00104792.fit
1.00 pix
Before shift
After shift
Fiber Number
0
100
200
300
400
500
4046
4358
5460
5577
6300
6363
6553
6923
6949
Sky Line Wavelength


PLATE=3673 MJD=55178 Smooth superflat for sdR-b2-00104792.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)

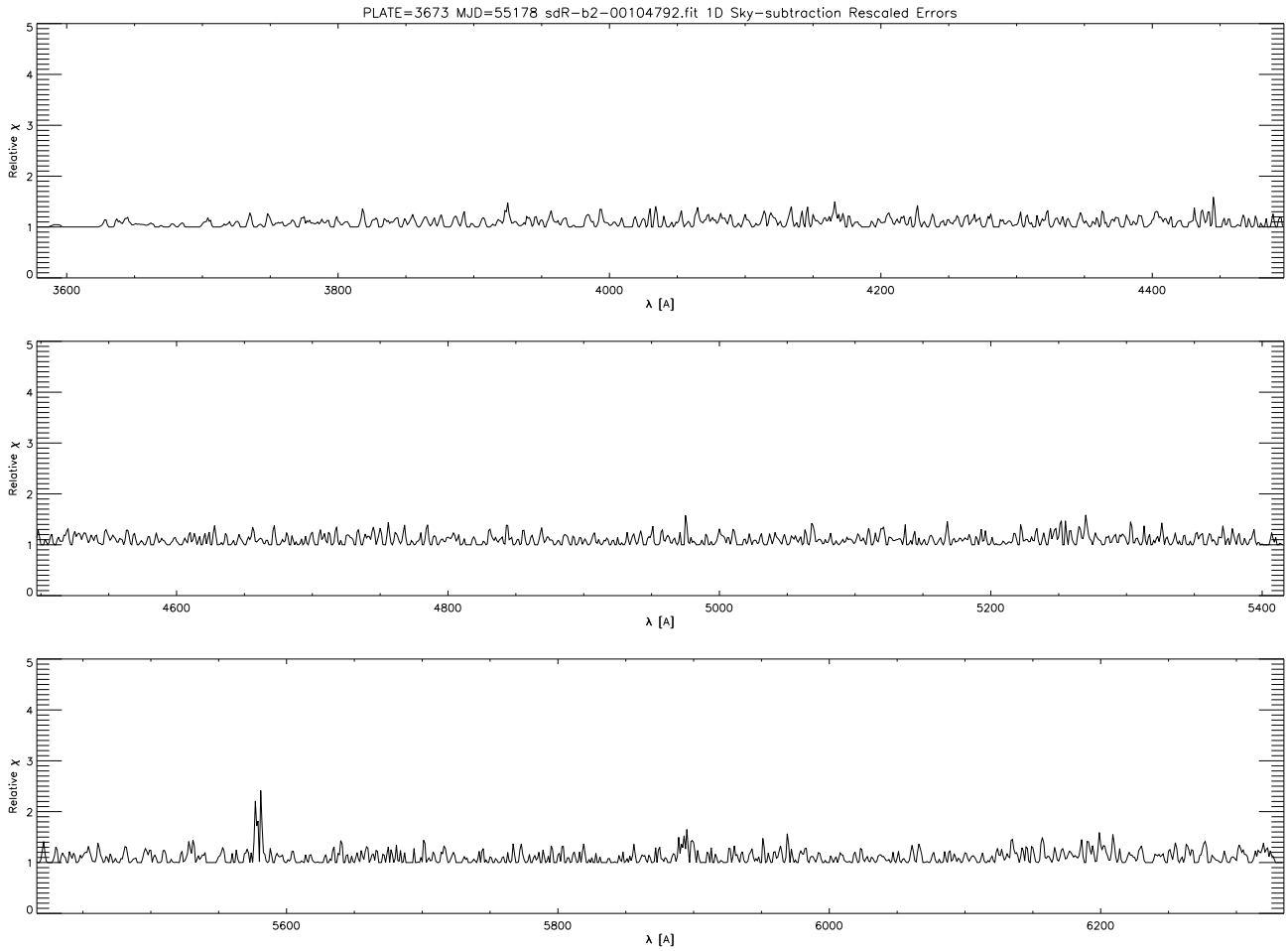

PLATE=3673 MJD=55178 sdR-b2-00104792.fit 1D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Median |χ|
Fiber number

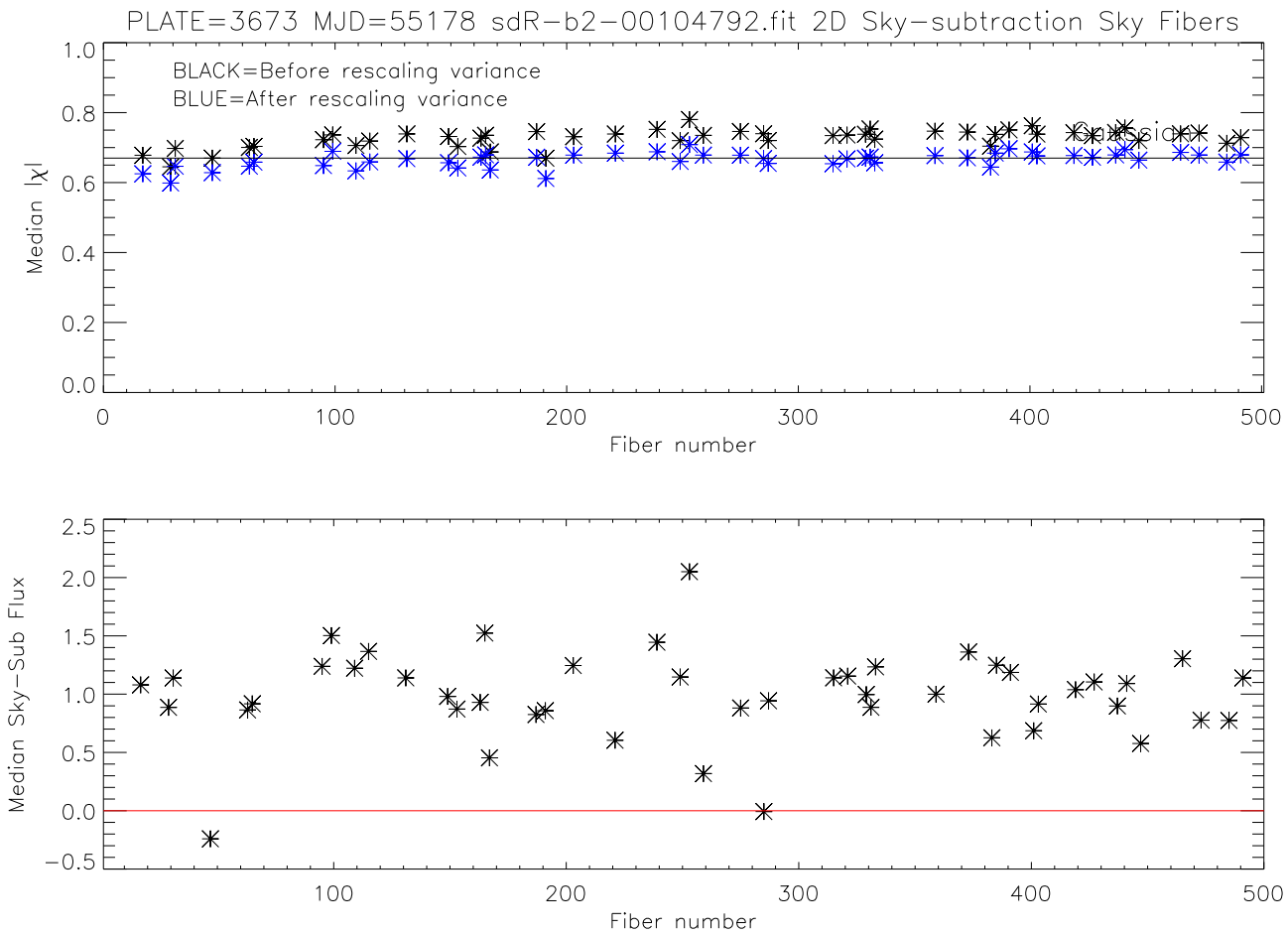
Median Sky-Sub Flux
Fiber number

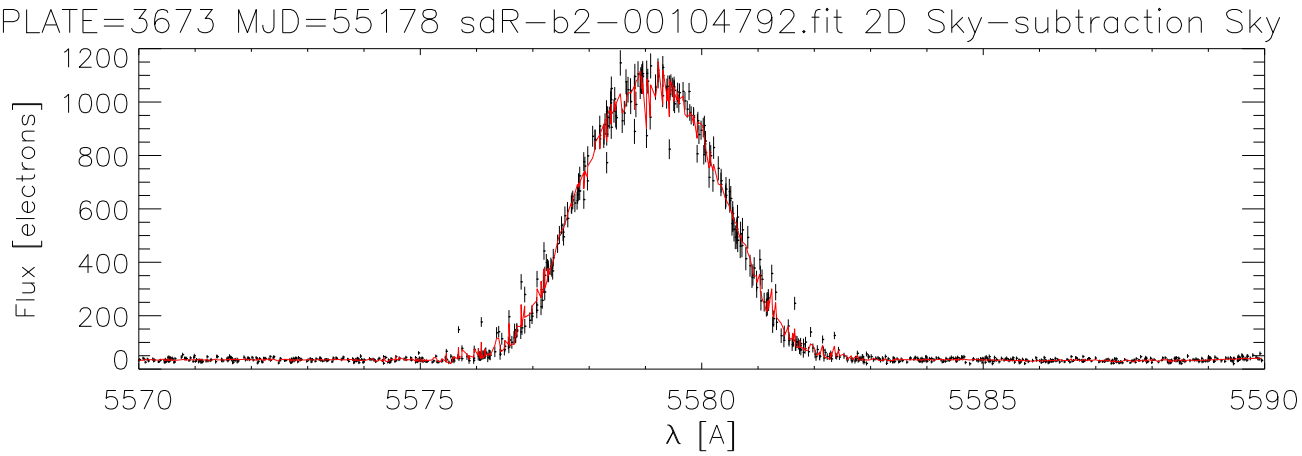

PLATE=3673 MJD=55178 sdR-b2-00104792.fit 1D Sky-subtraction Sky Fibers
Flux [electrons]
1200
1000
800
600
400
200
0
5570
5575
5580
5585
5590
λ [A]

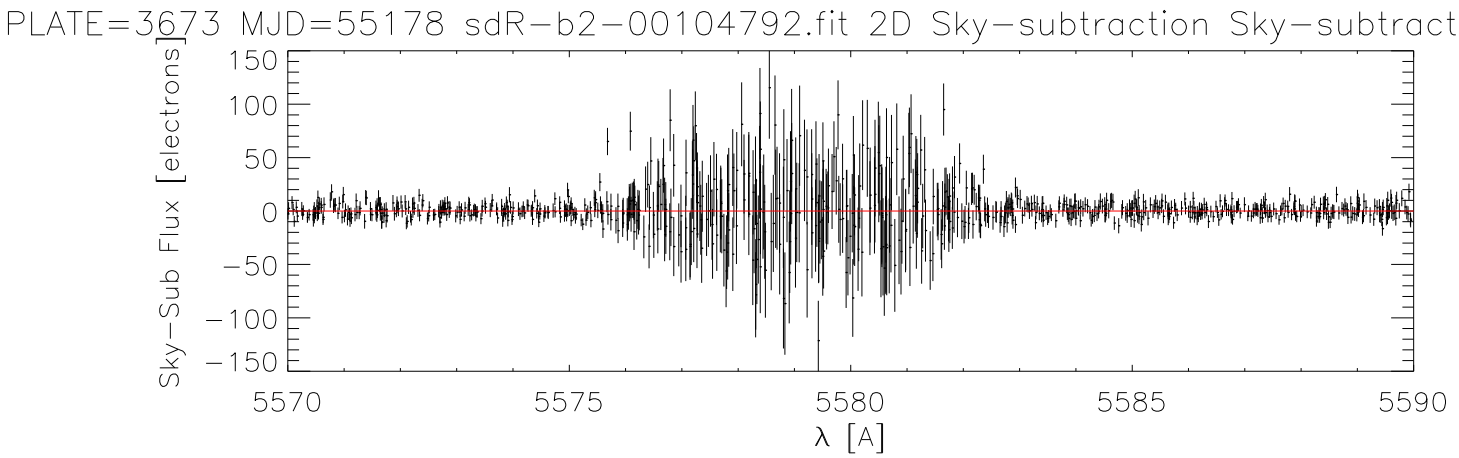

PLATE=3673 MJD=55178 sdR-b2-00104792.fit 1D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
200
100
0
-100
-200
-300
5570
5575
5580
5585
5590
λ [A]

Number of sky fibers = 48

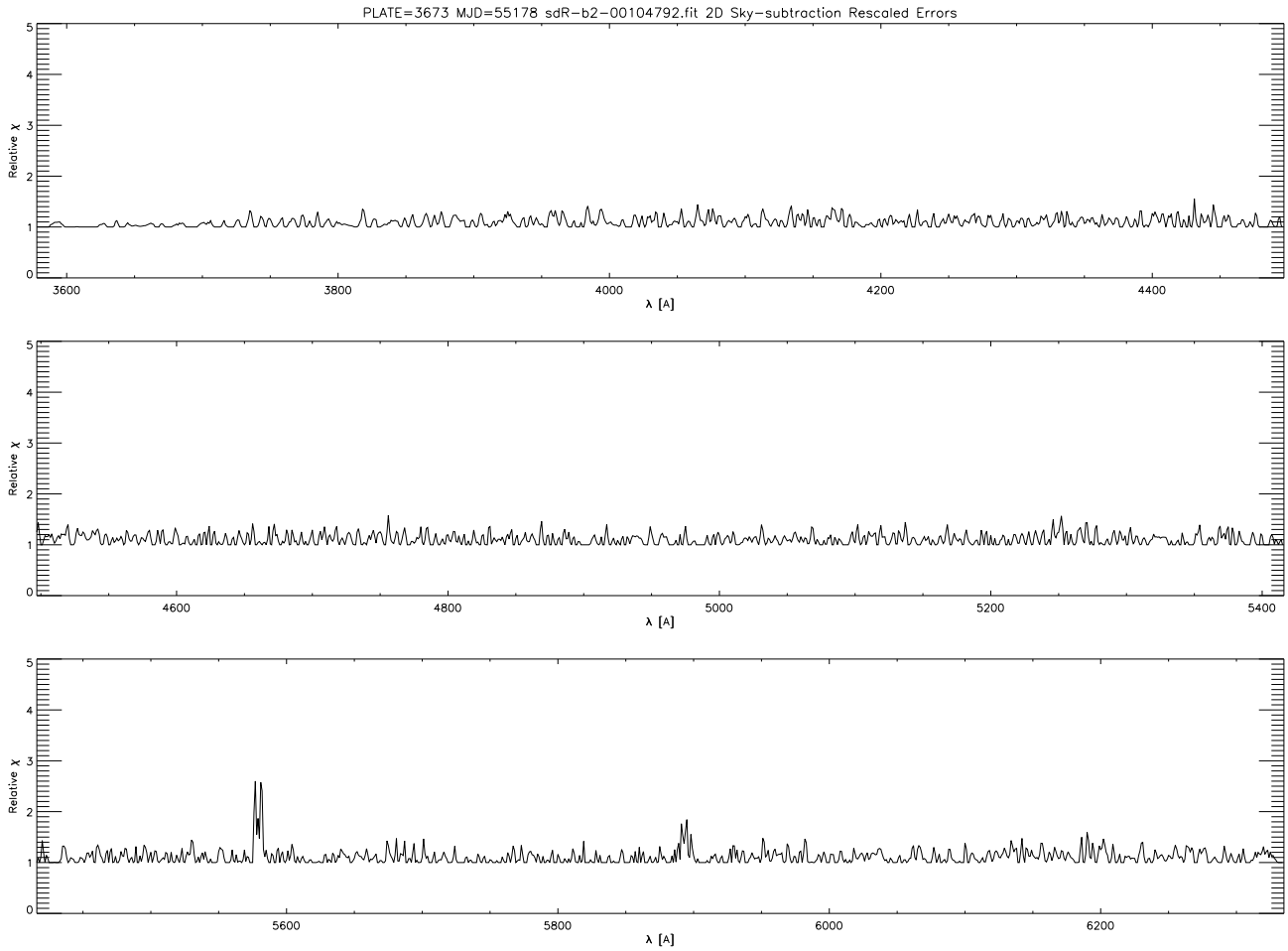


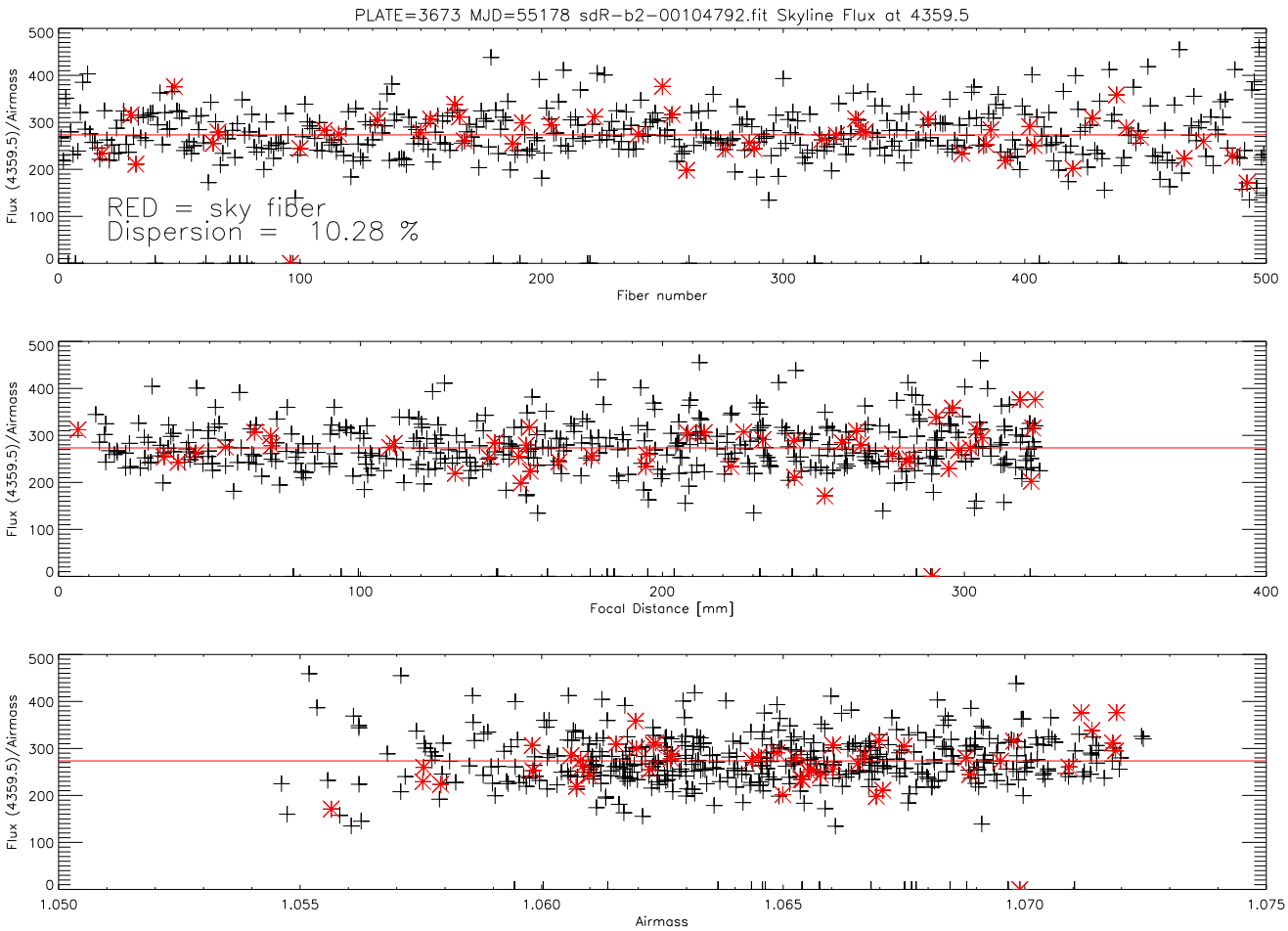

PLATE=3673 MJD=55178 sdR-b2-00104792.fit 2D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

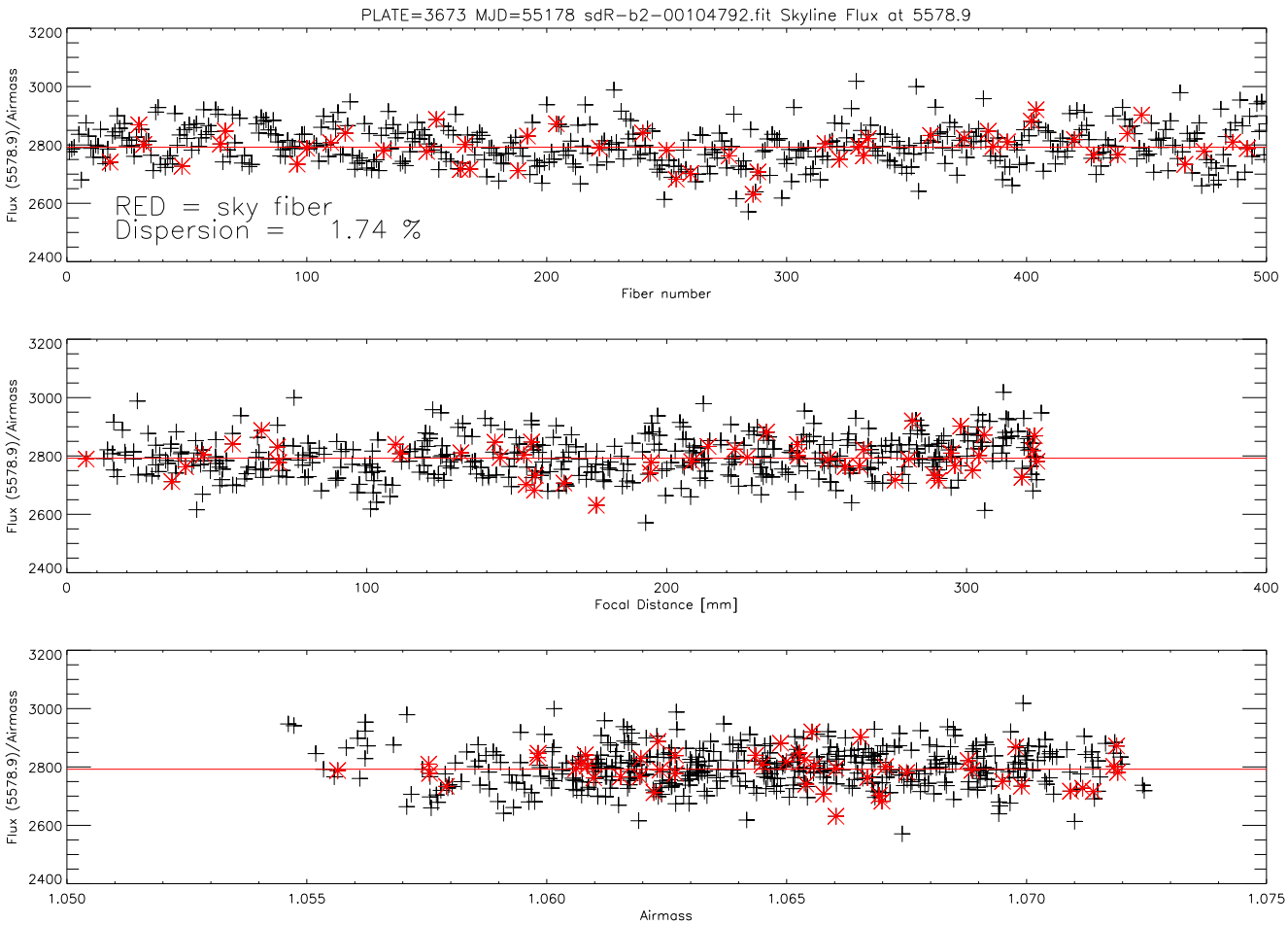

PLATE=3673 MJD=55178 sdR-b2-00104792.fit 2D Sky-subtraction Sky Fibers
Flux [electrons]
1200
1000
800
600
400
200
0
5570
5575
5580
5585
5590
λ [A]

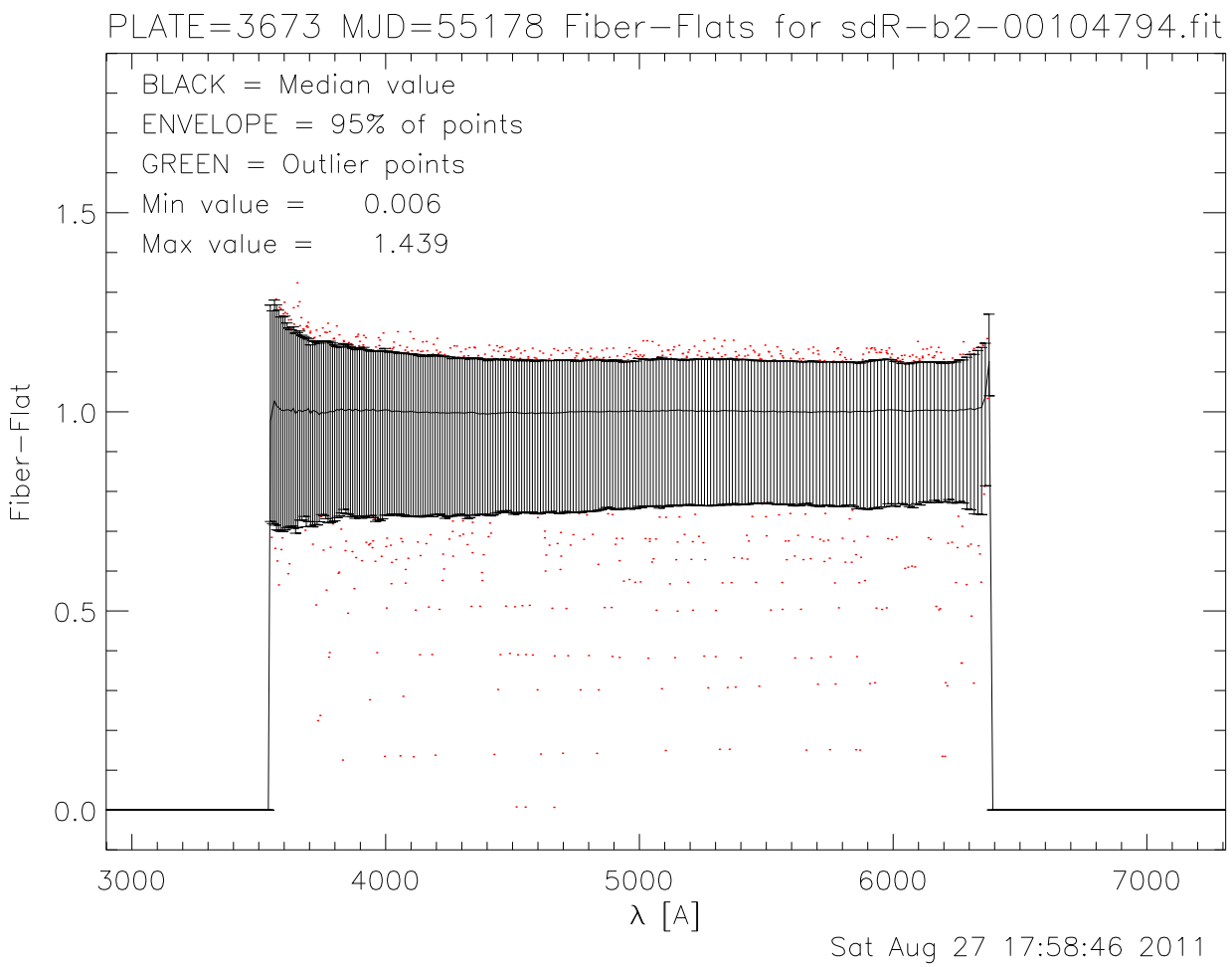

PLATE=3673 MJD=55178 sdR-b2-00104792.fit 2D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
150
100
50
0
-50
-100
-150
5570
5575
5580
5585
5590
λ [A]

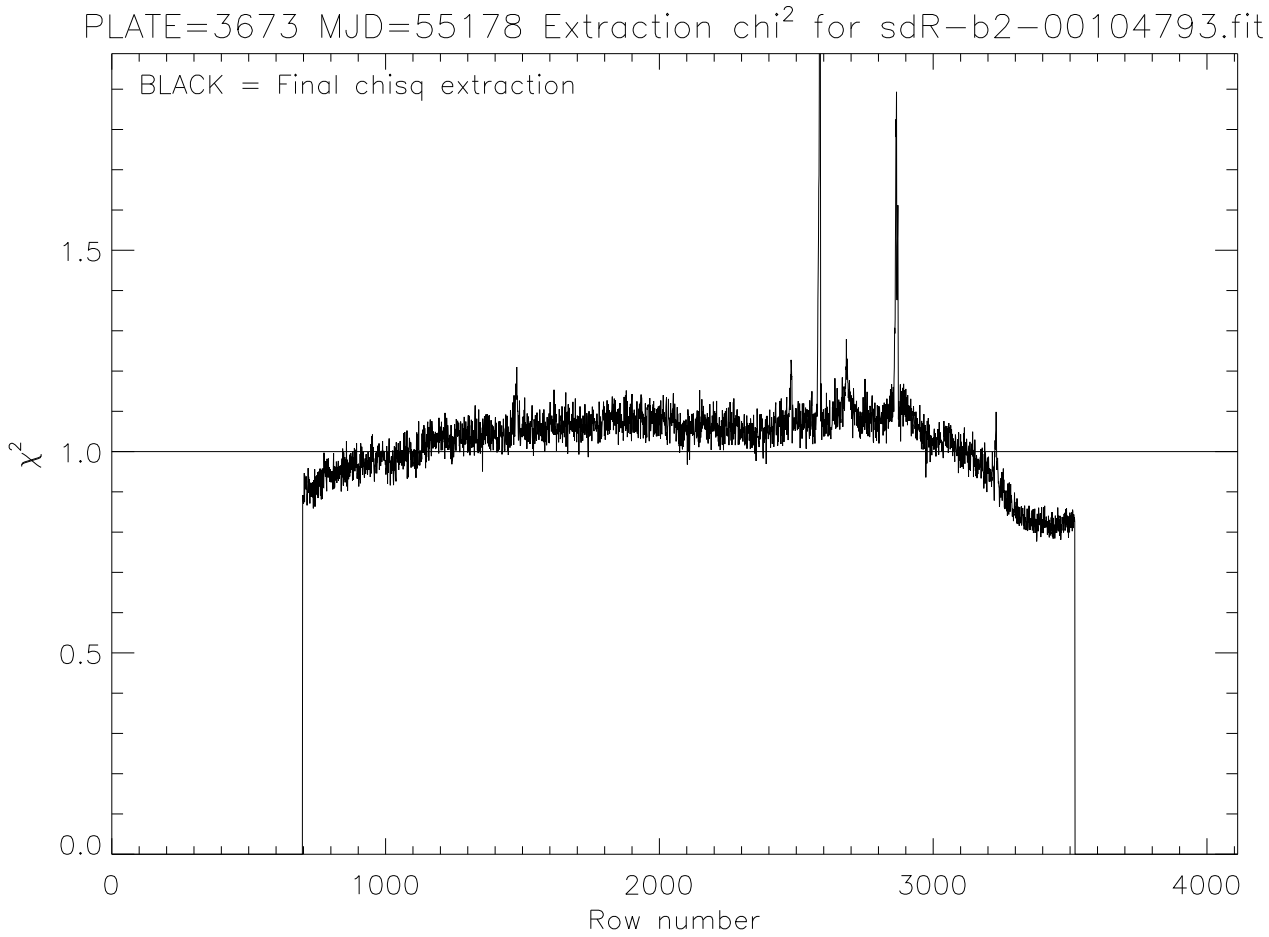
Number of sky fibers = 48

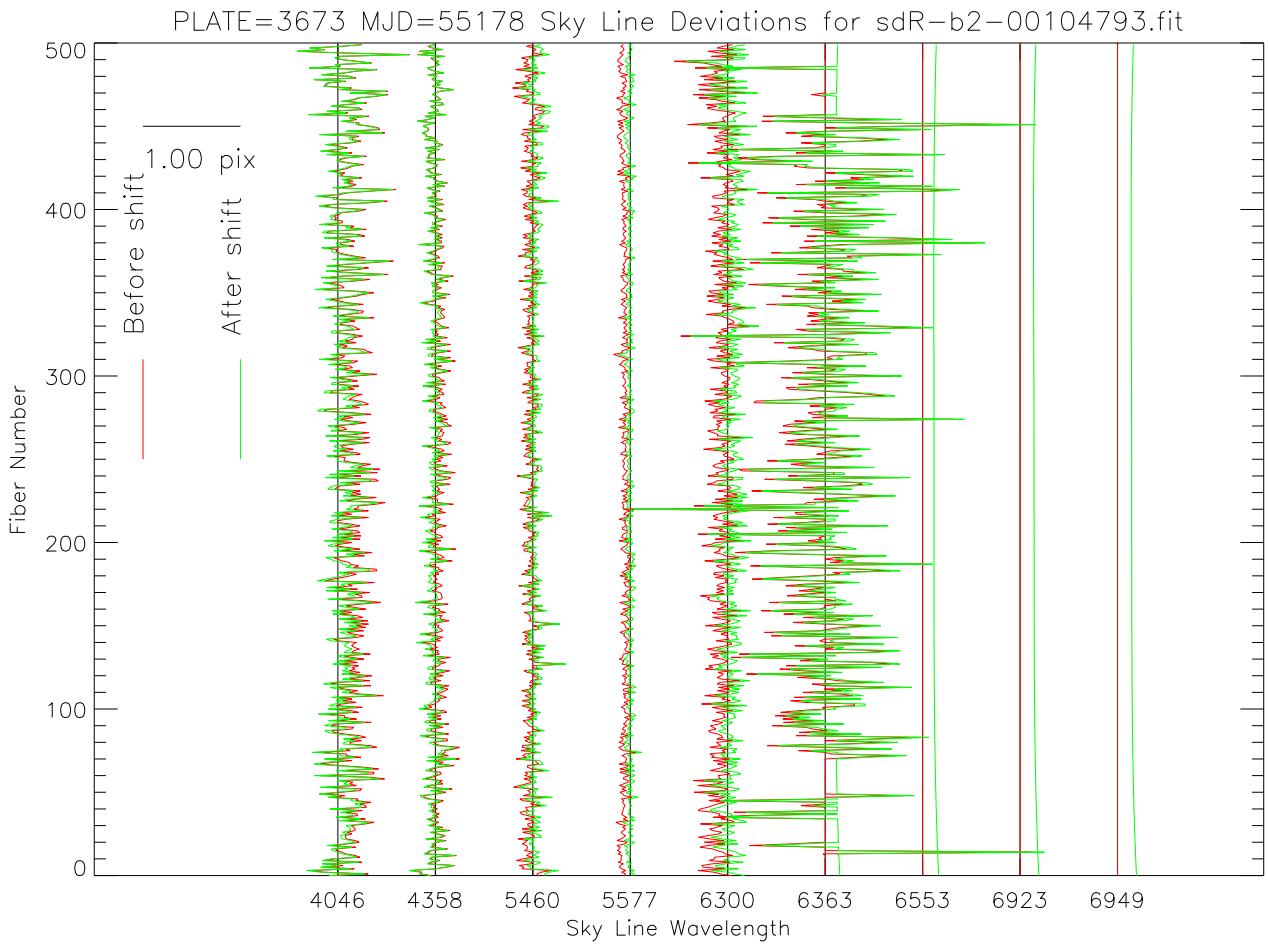


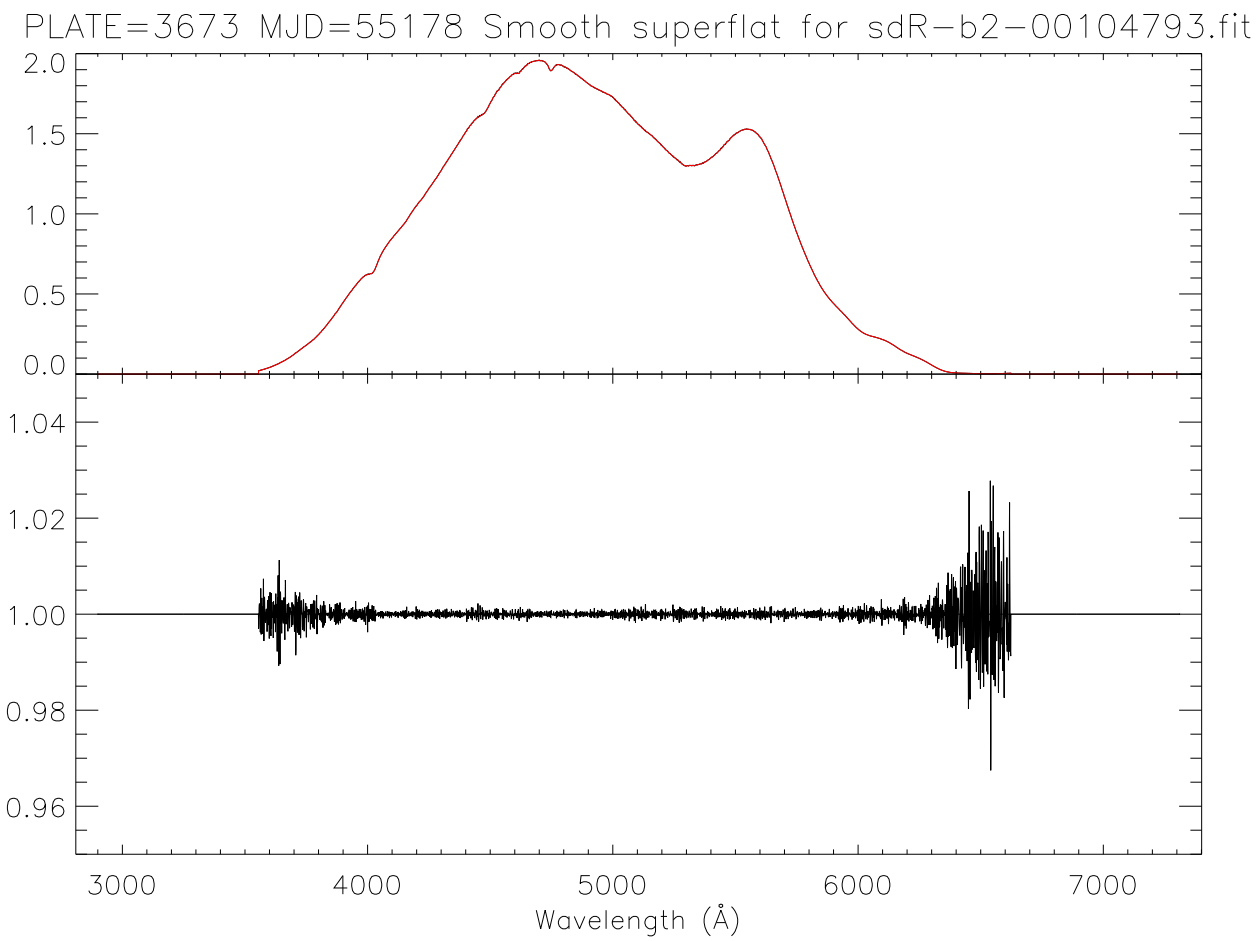

PLATE=3673 MJD=55178 sdR-b2-00104792.fit Skyline Flux at 4359.5
Flux (4359.5)/Airmass
RED = sky fiber
Dispersion = 10.28 %
Fiber number
Flux (4359.5)/Airmass
Focal Distance [mm]
Flux (4359.5)/Airmass
Airmass

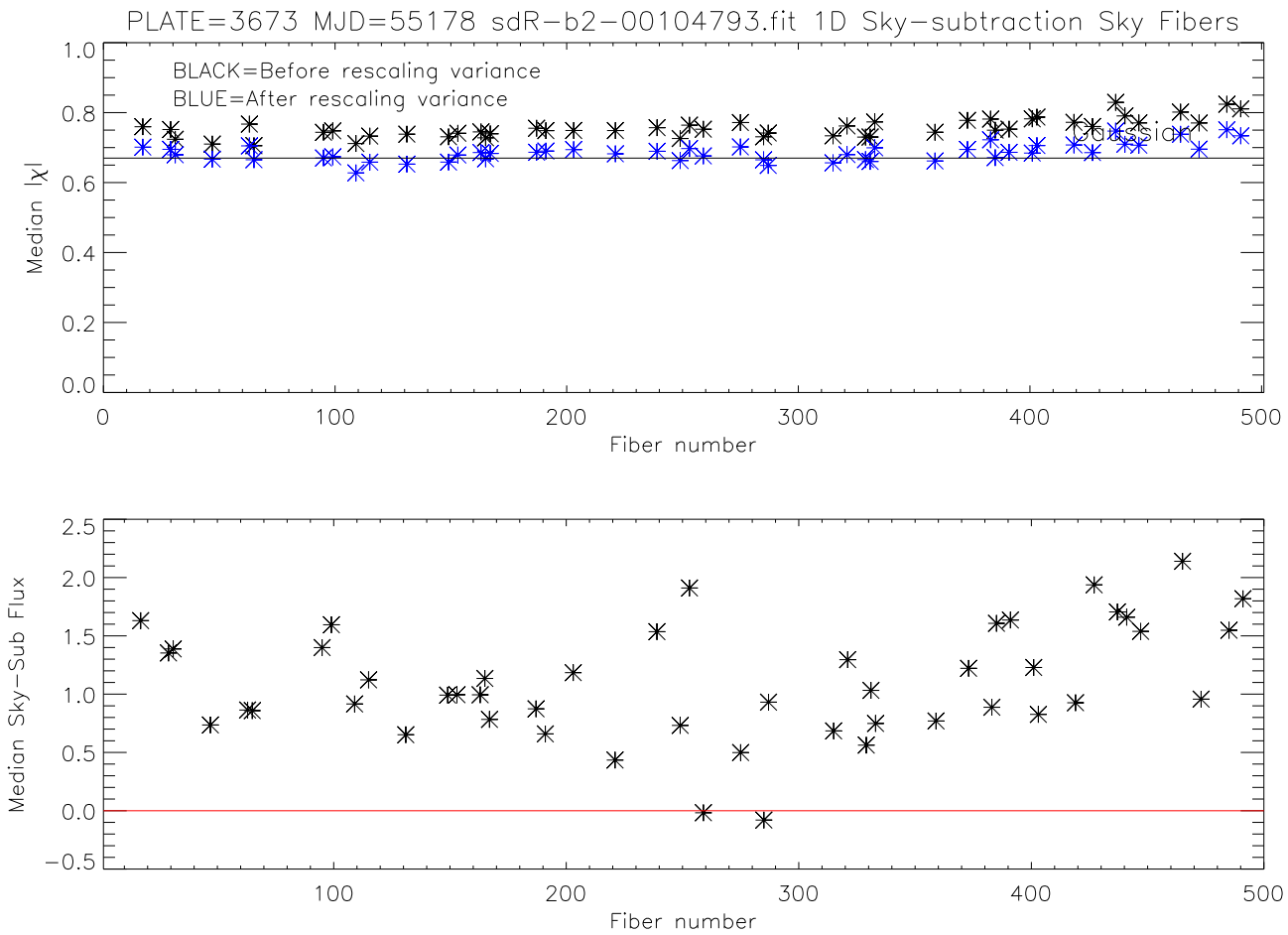

PLATE=3673 MJD=55178 sdR-b2-00104792.fit Skyline Flux at 5578.9
Flux (5578.9)/Airmass
RED = sky fiber
Dispersion = 1.74 %
Fiber number
Flux (5578.9)/Airmass
Focal Distance [mm]
Flux (5578.9)/Airmass
Airmass


PLATE=3673 MJD=55178 Fiber-Flats for sdR-b2-00104794.fit
BLACK = Median value
ENVELOPE = 95% of points
GREEN = Outlier points
Min value = 0.006
Max value = 1.439
Fiber-Flat
1.5
1.0
0.5
0.0
3000
4000
5000
6000
7000
λ [A]
Sat Aug 27 17:58:46 2011

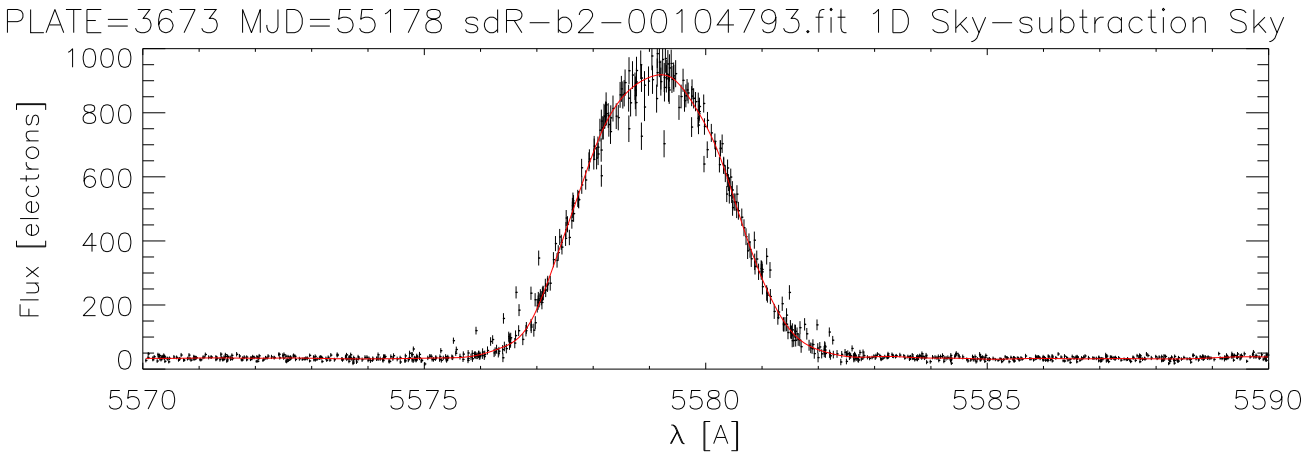

PLATE=3673 MJD=55178 Extraction chi^2 for sdR-b2-00104793.fit
BLACK = Final chisq extraction
χ^2
0.0
0.5
1.0
1.5
0
1000
2000
3000
4000
Row number

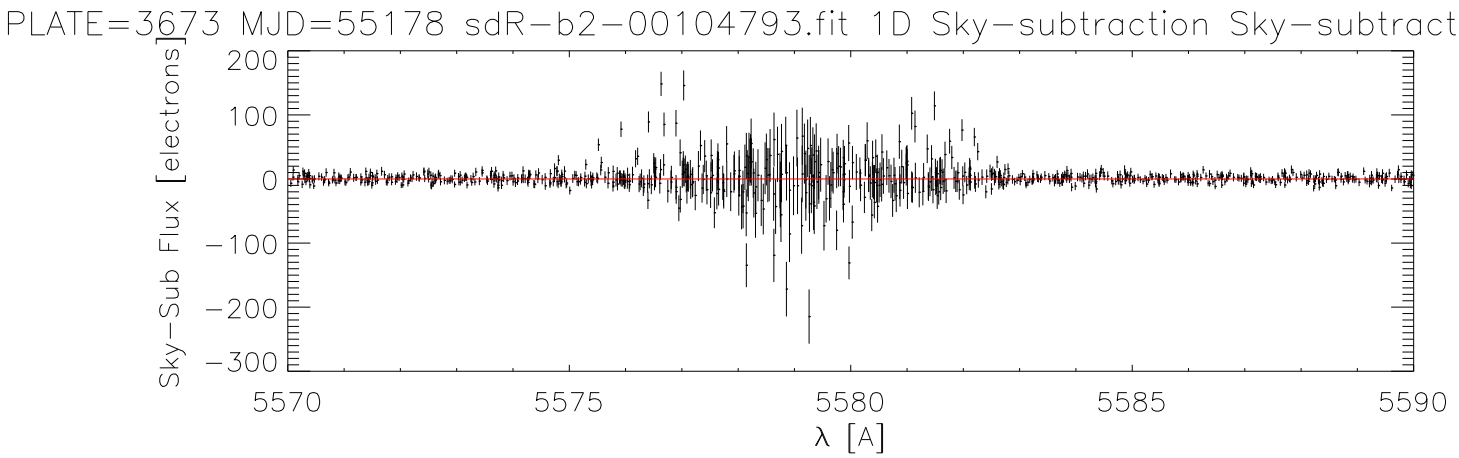

PLATE=3673 MJD=55178 Sky Line Deviations for sdR-b2-00104793.fit
1.00 pix
Before shift
After shift
Fiber Number
0
100
200
300
400
500
4046
4358
5460
5577
6300
6363
6553
6923
6949
Sky Line Wavelength


PLATE=3673 MJD=55178 Smooth superflat for sdR-b2-00104793.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)

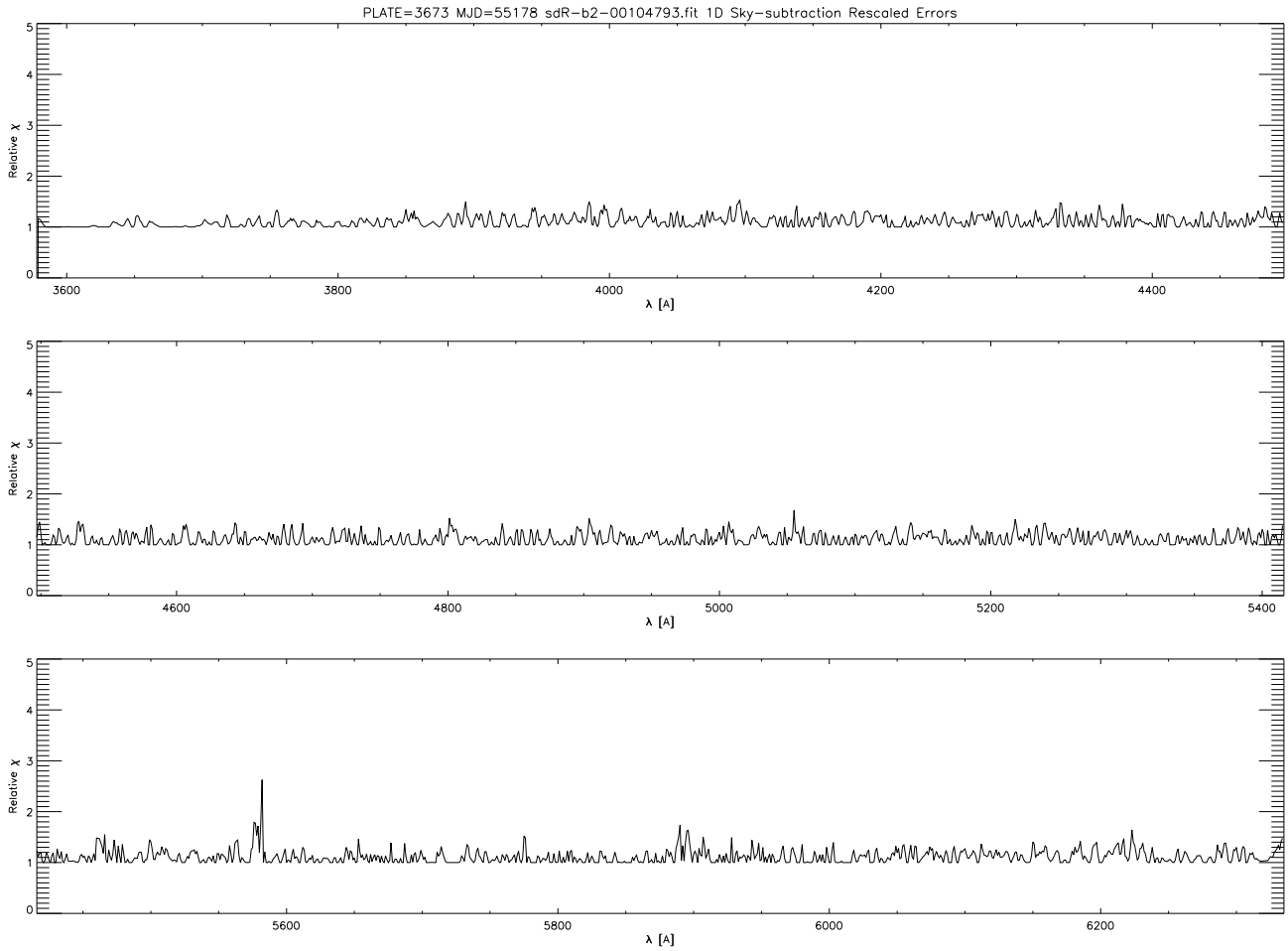

PLATE=3673 MJD=55178 sdR-b2-00104793.fit 1D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Median |χ|
Fiber number

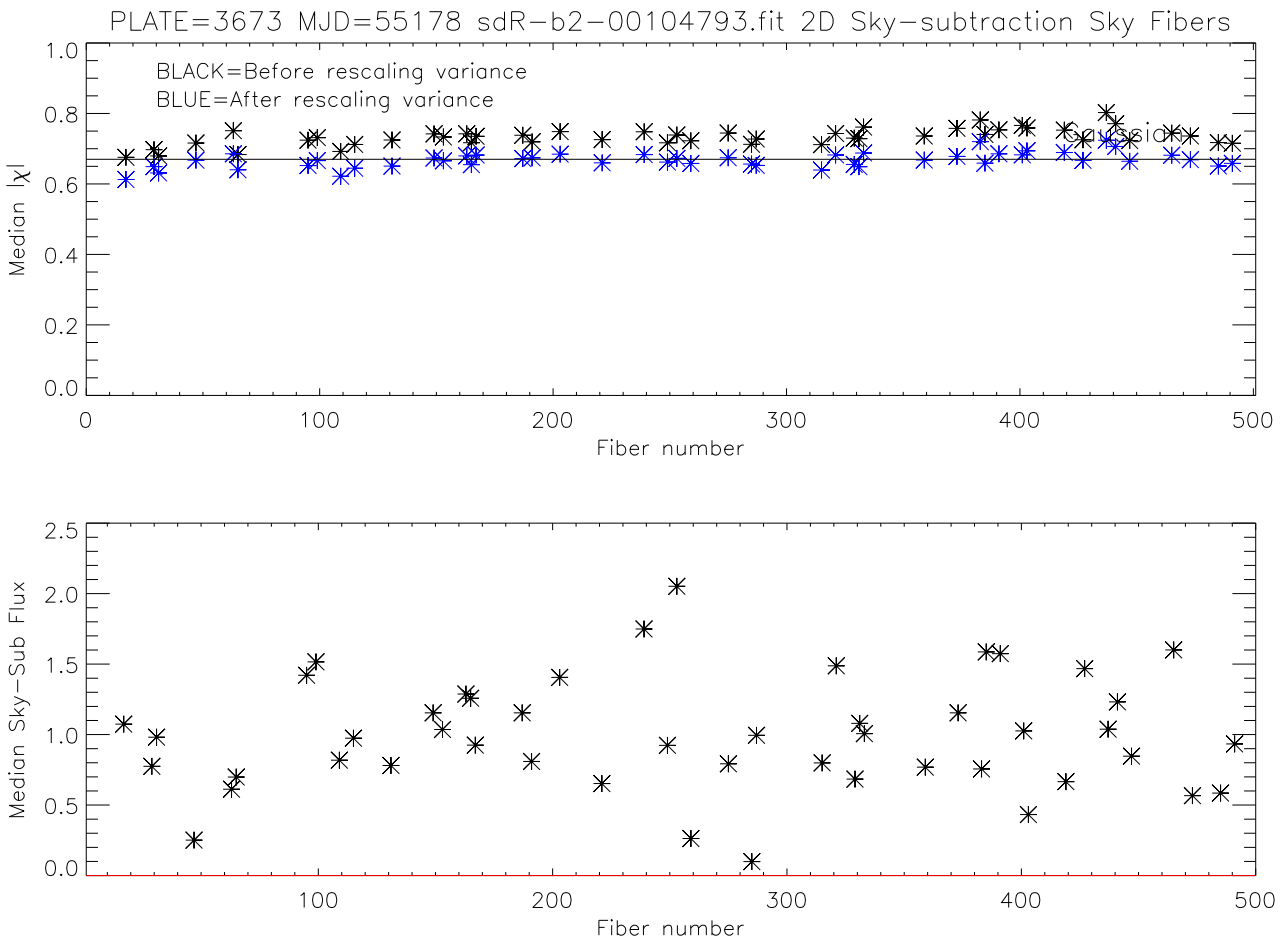
Median Sky-Sub Flux
Fiber number

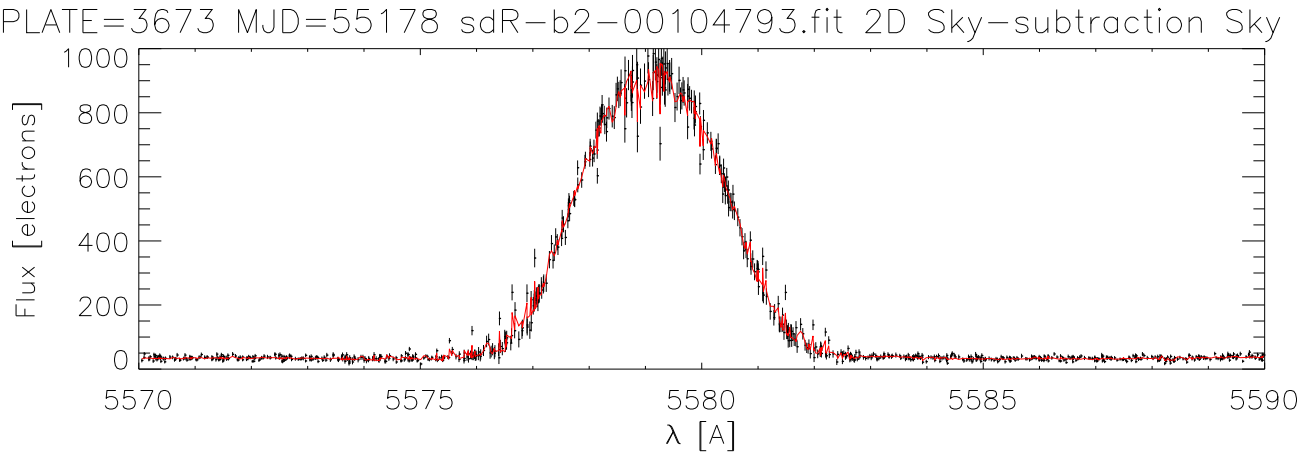

PLATE=3673 MJD=55178 sdR-b2-00104793.fit 1D Sky-subtraction Sky Fibers
Flux [electrons]
1000
800
600
400
200
0
5570
5575
5580
5585
5590
λ [A]

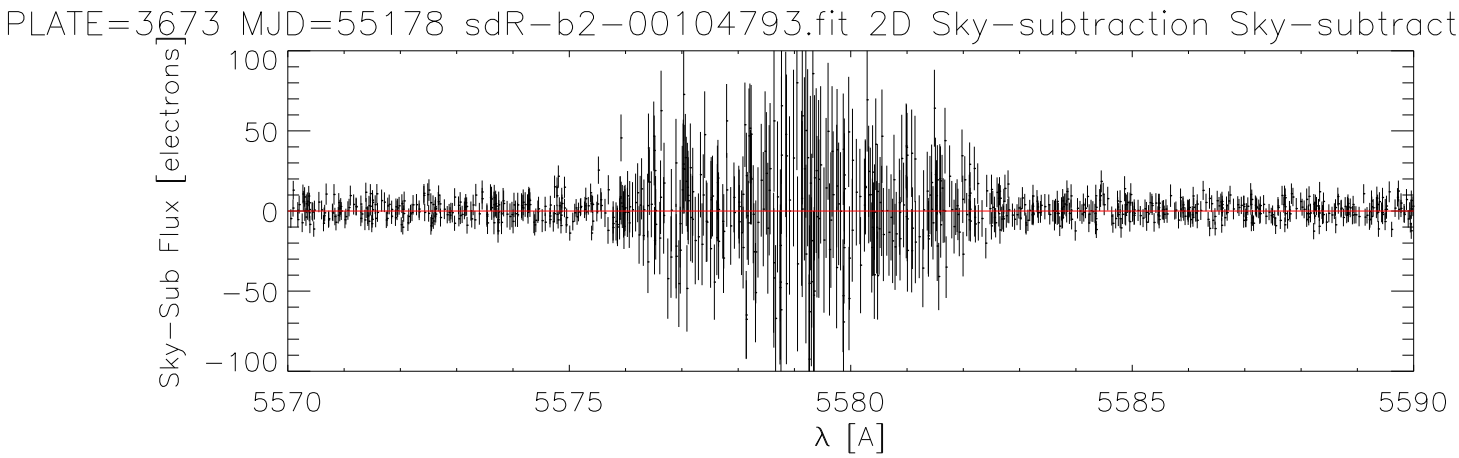

PLATE=3673 MJD=55178 sdR-b2-00104793.fit 1D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
200
100
0
-100
-200
-300
5570
5575
5580
5585
5590
λ [A]

Number of sky fibers = 48

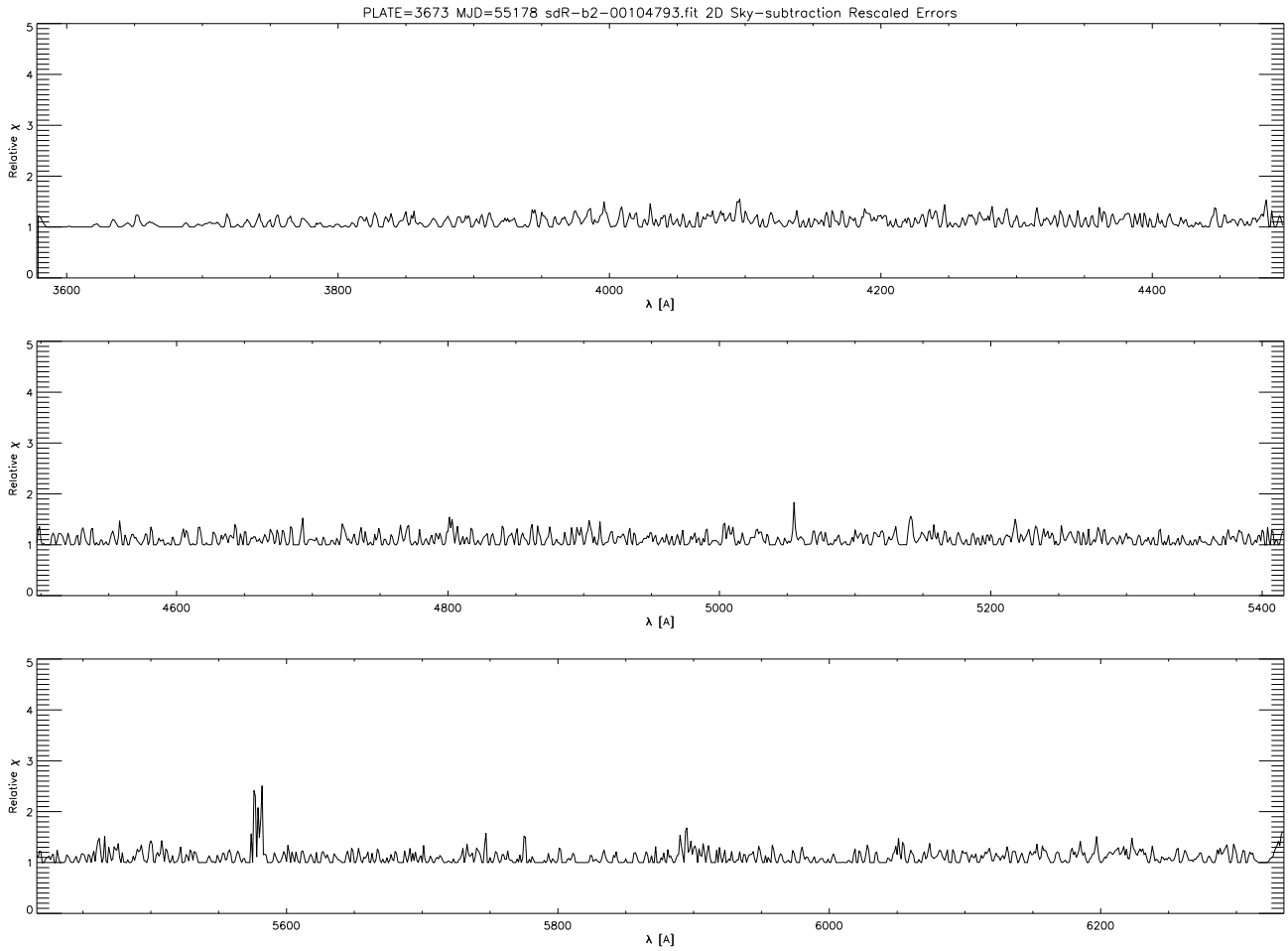


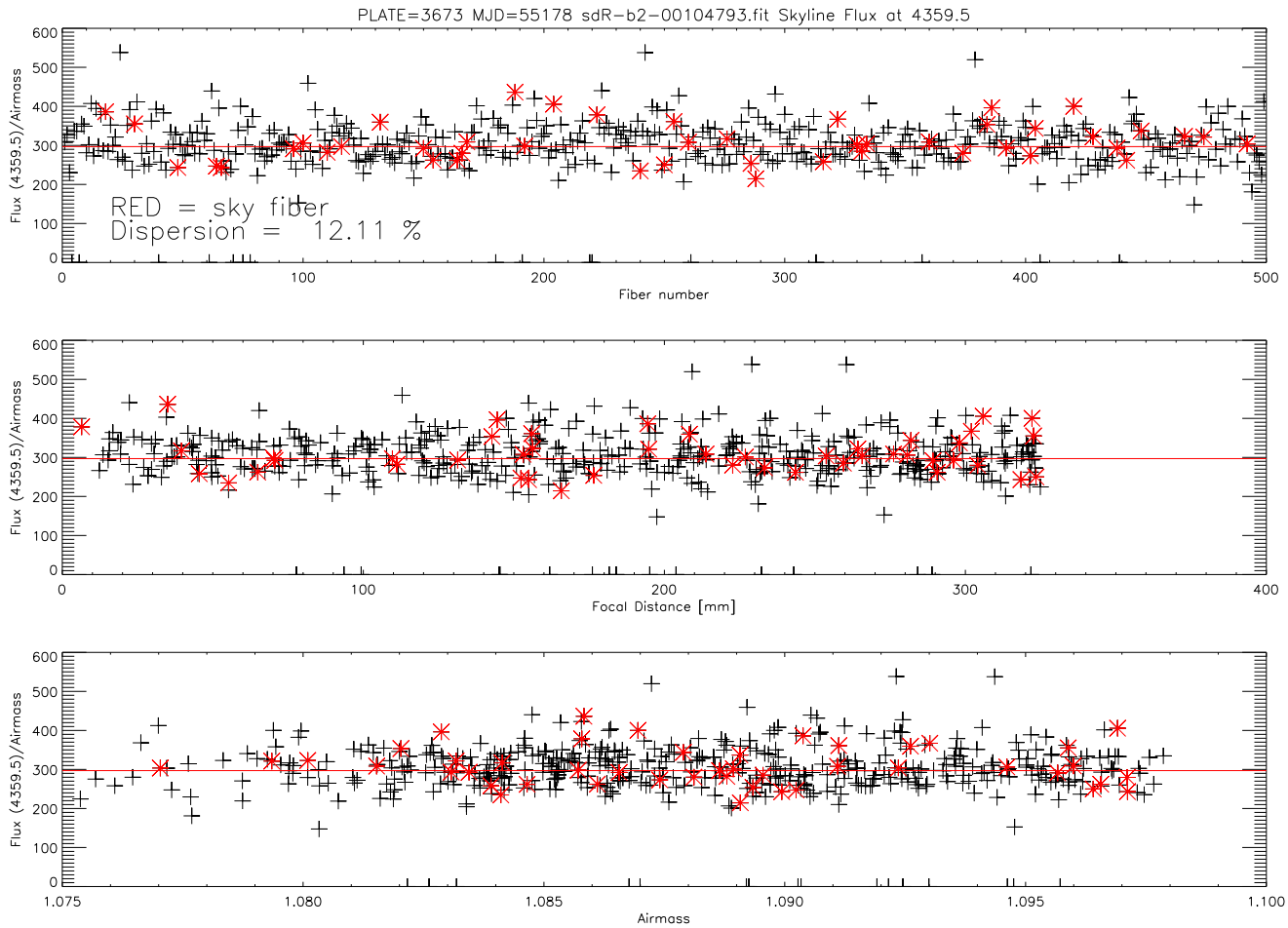

PLATE=3673 MJD=55178 sdR-b2-00104793.fit 2D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

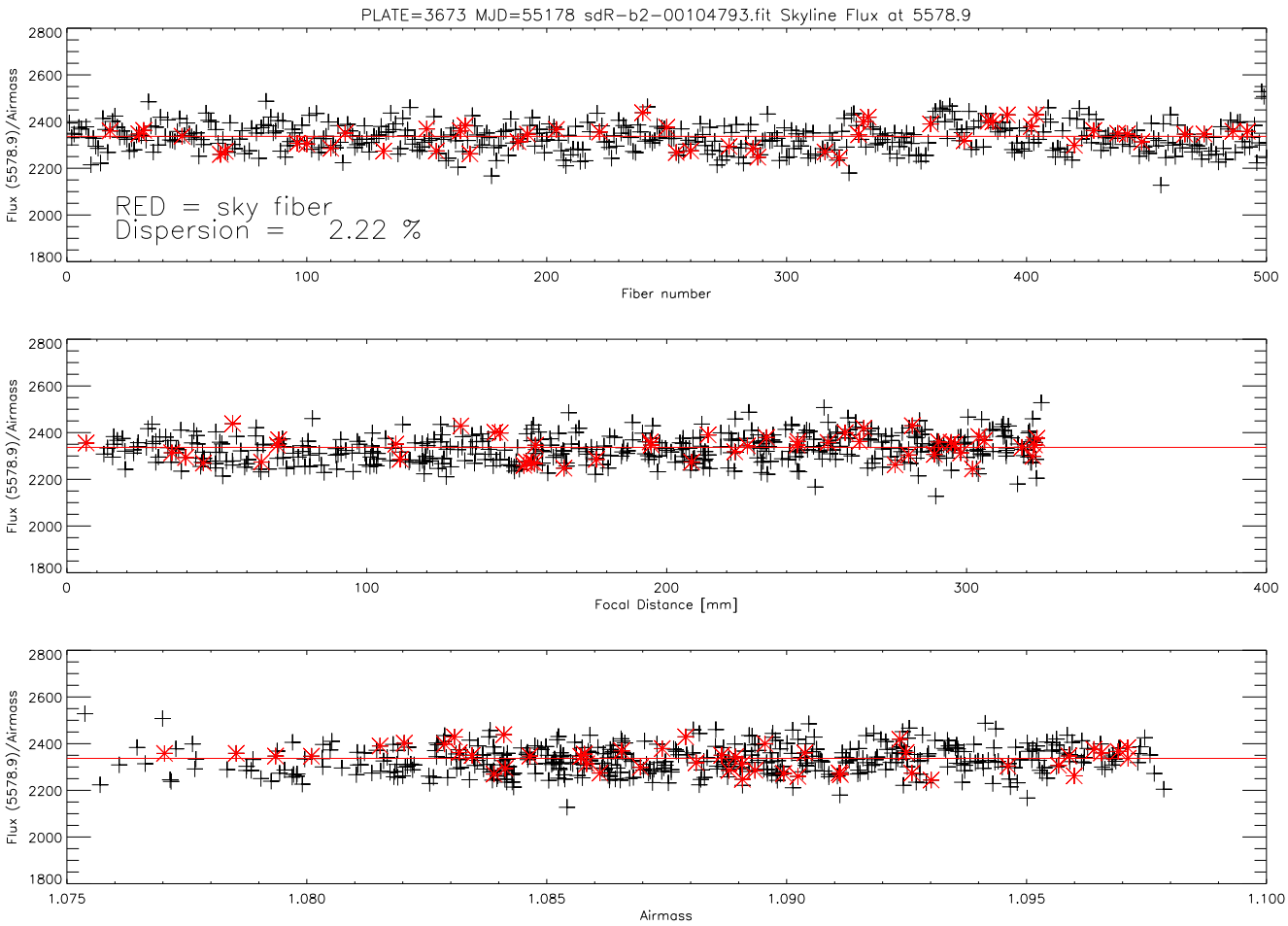

PLATE=3673 MJD=55178 sdR-b2-00104793.fit 2D Sky-subtraction Sky Fibers
Flux [electrons]
1000
800
600
400
200
0
5570
5575
5580
5585
5590
λ [A]

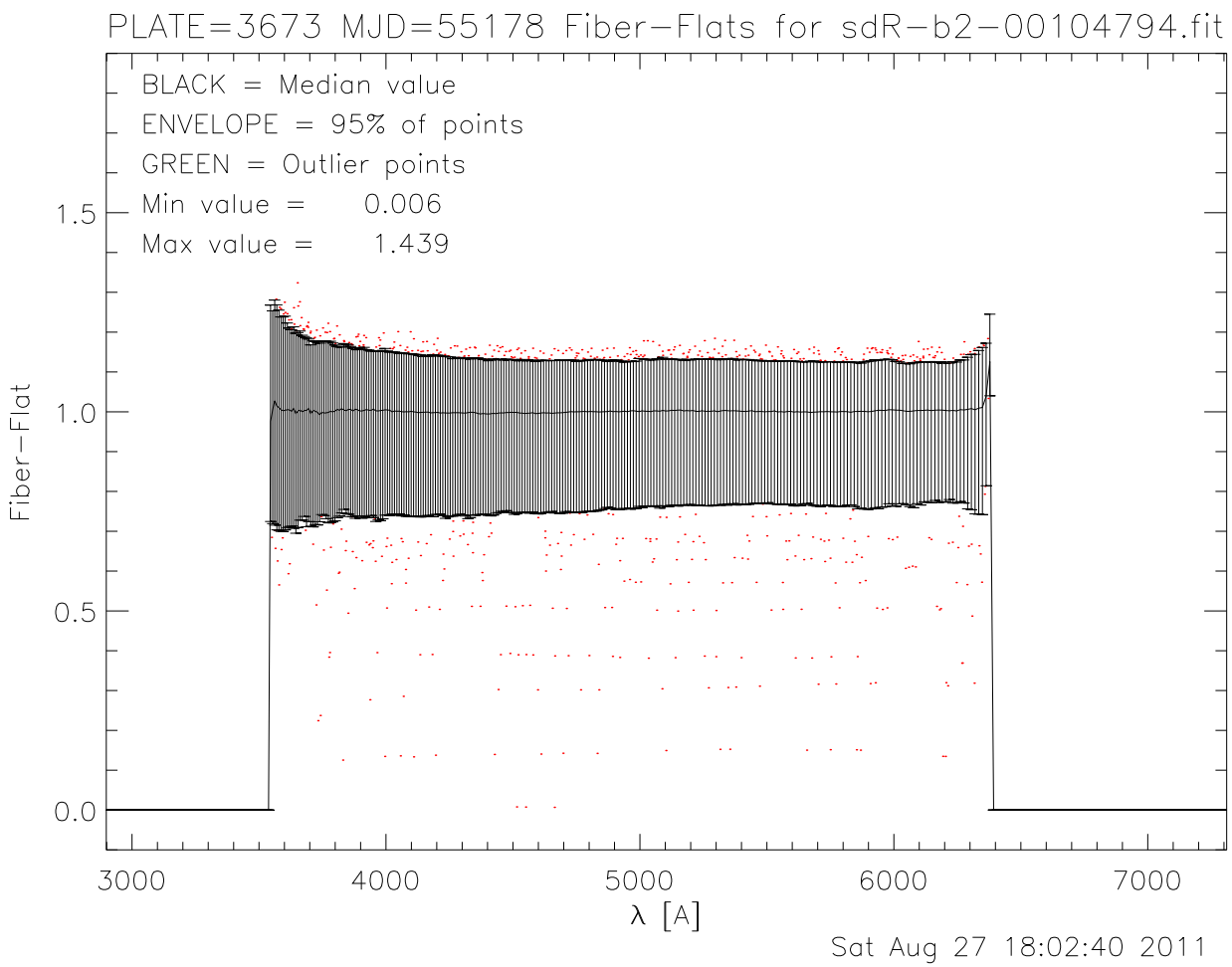

PLATE=3673 MJD=55178 sdR-b2-00104793.fit 2D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
100
50
0
-50
-100
5570
5575
5580
5585
5590
λ [A]

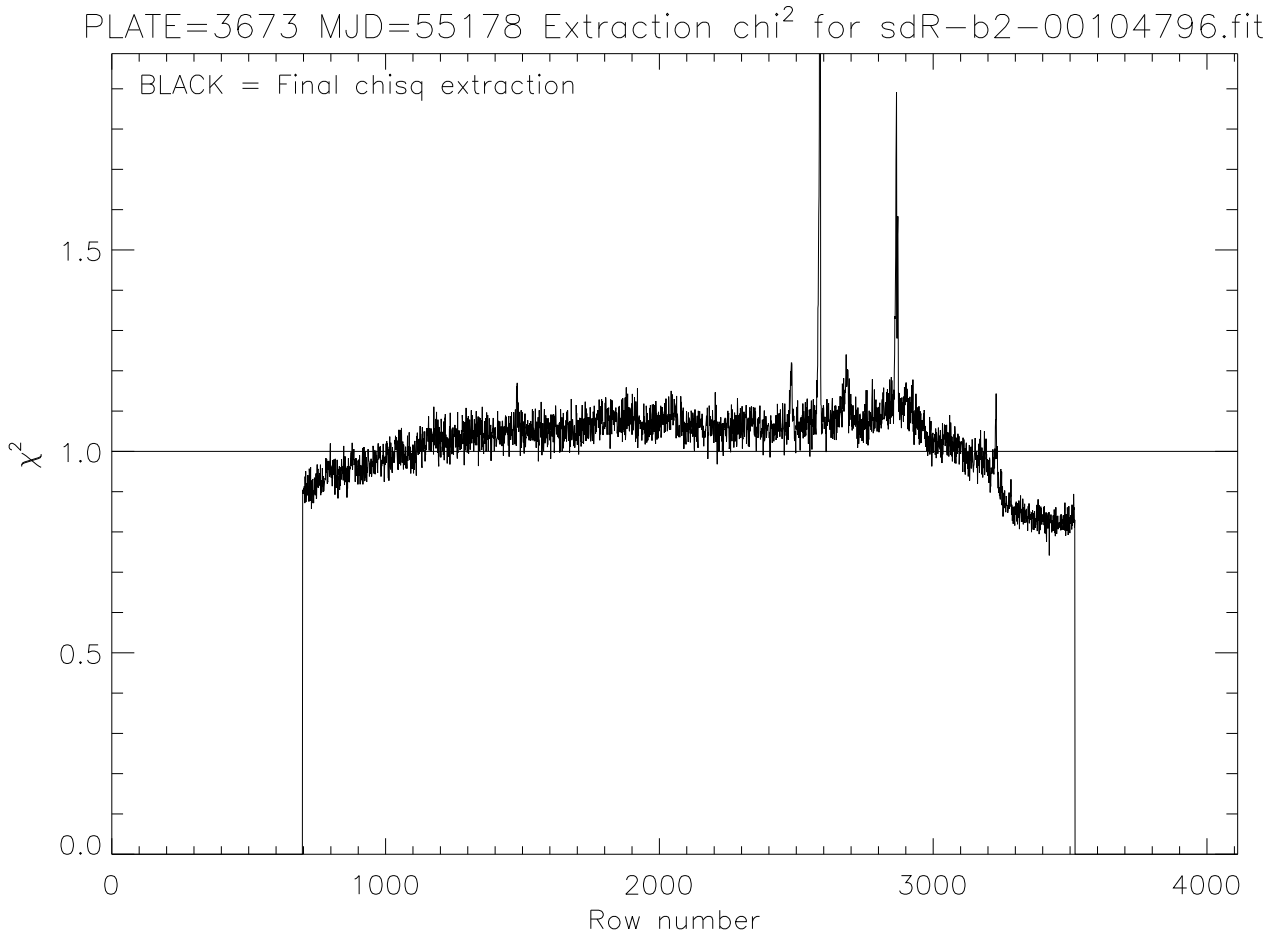
Number of sky fibers = 48

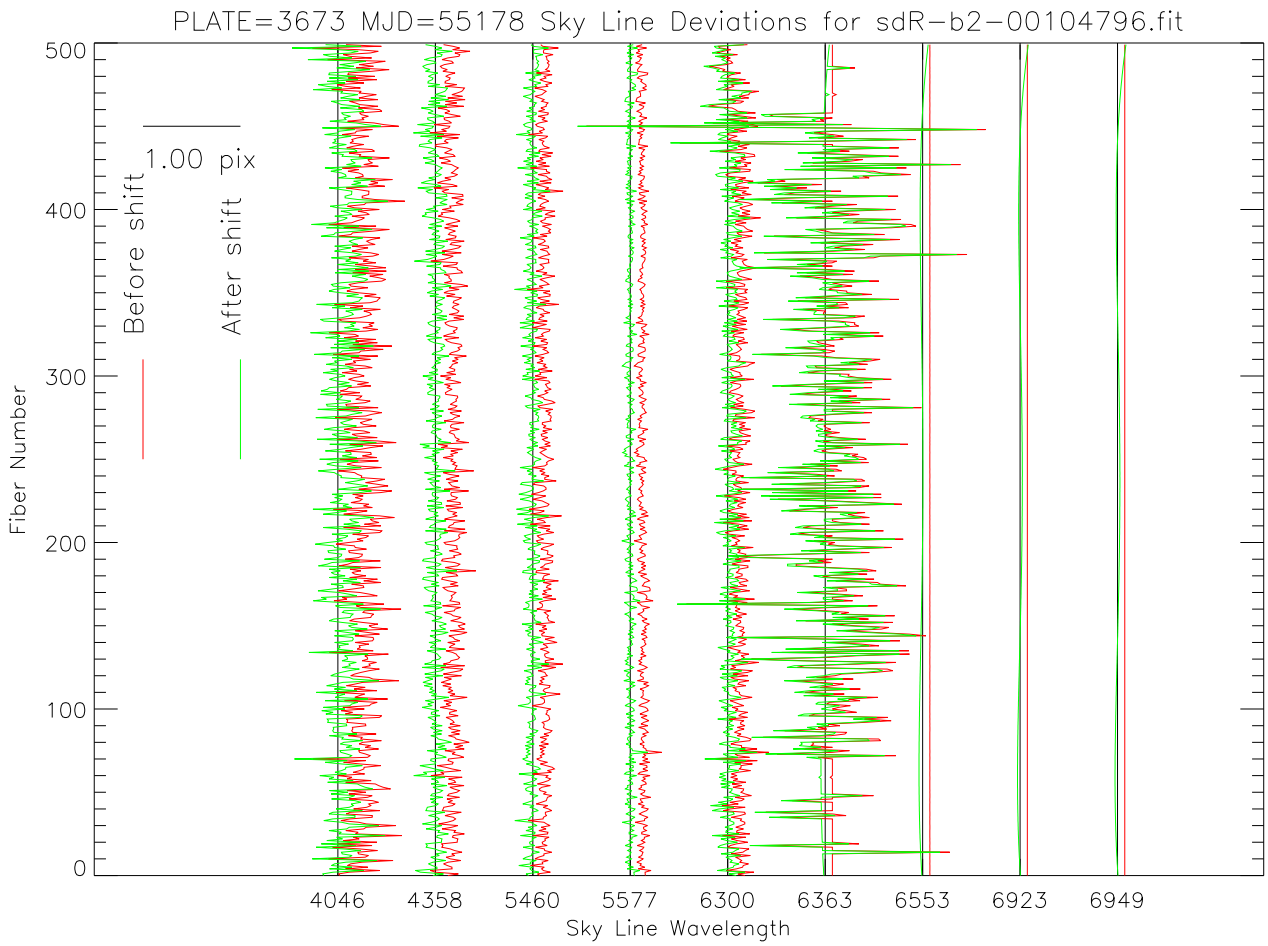


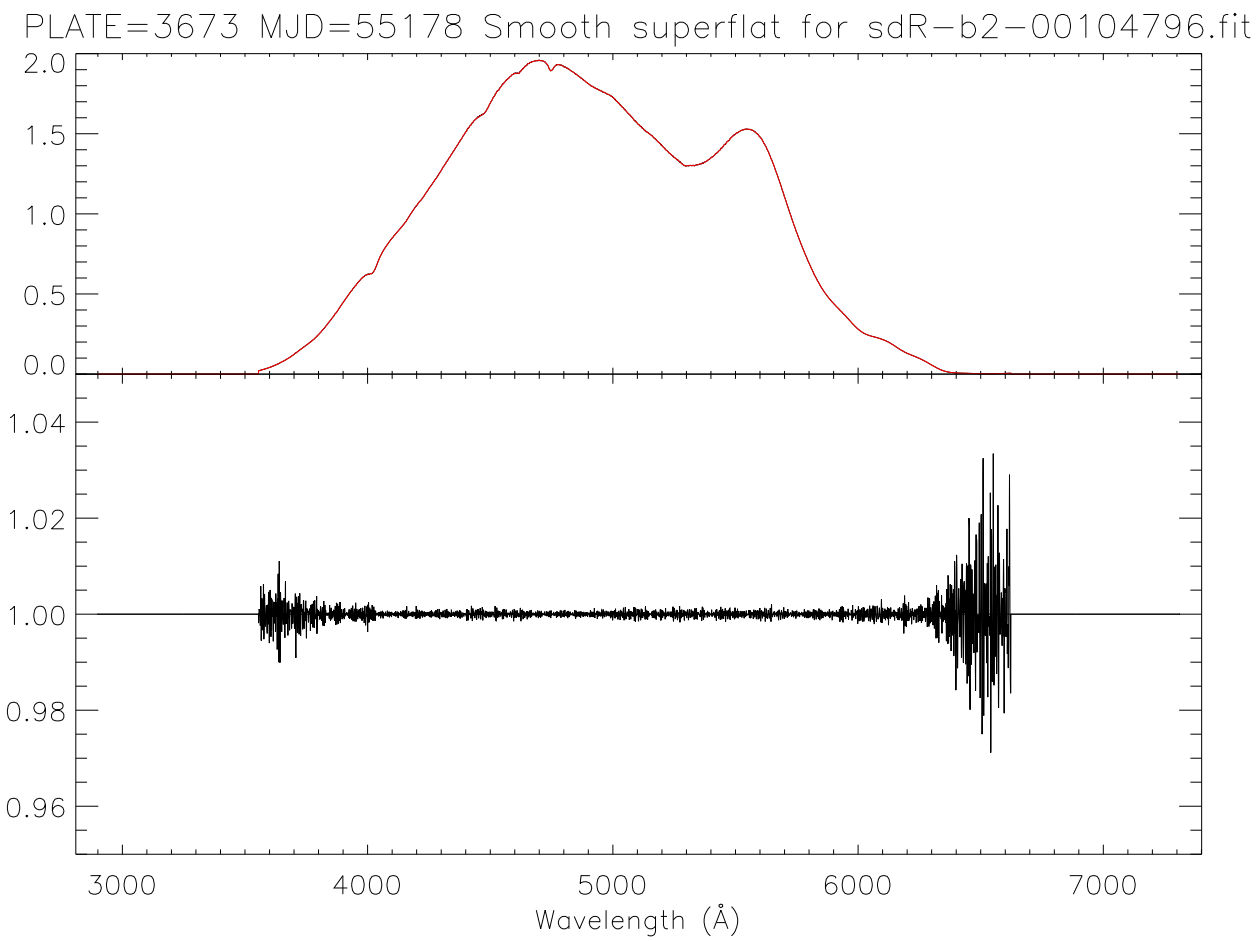

PLATE=3673 MJD=55178 sdR-b2-00104793.fit Skyline Flux at 4359.5
Flux (4359.5)/Airmass
RED = sky fiber
Dispersion = 12.11 %
Fiber number
Flux (4359.5)/Airmass
Focal Distance [mm]
Flux (4359.5)/Airmass
Airmass

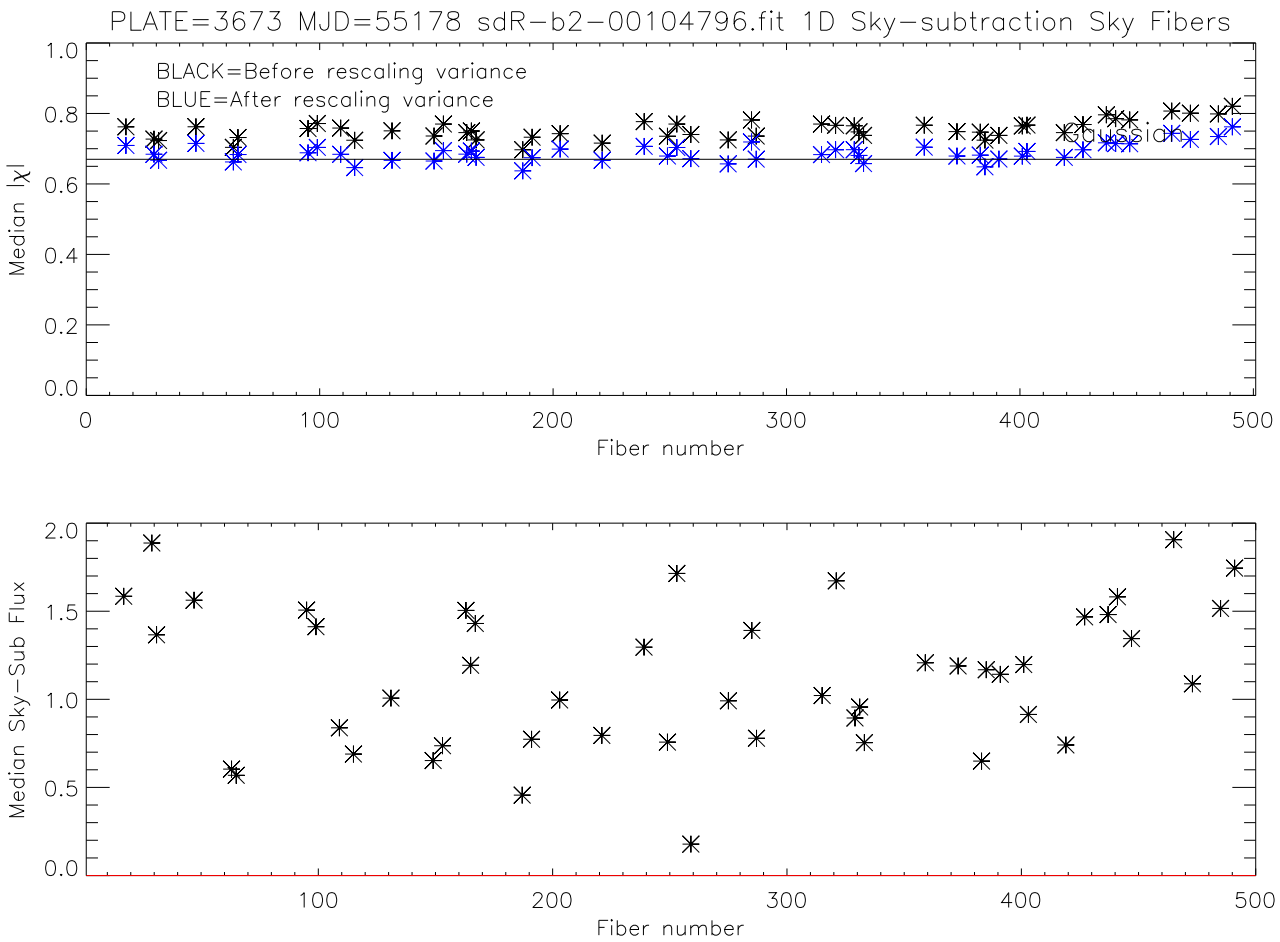

PLATE=3673 MJD=55178 sdR-b2-00104793.fit Skyline Flux at 5578.9
Flux (5578.9)/Airmass
RED = sky fiber
Dispersion = 2.22 %
Fiber number
Flux (5578.9)/Airmass
Focal Distance [mm]
Flux (5578.9)/Airmass
Airmass


PLATE=3673 MJD=55178 Fiber−Flats for sdR−b2−00104794.fit
BLACK = Median value
ENVELOPE = 95% of points
GREEN = Outlier points
Min value = 0.006
Max value = 1.439
Fiber−Flat
1.5
1.0
0.5
0.0
3000
4000
5000
6000
7000
λ [A]
Sat Aug 27 18:02:40 2011

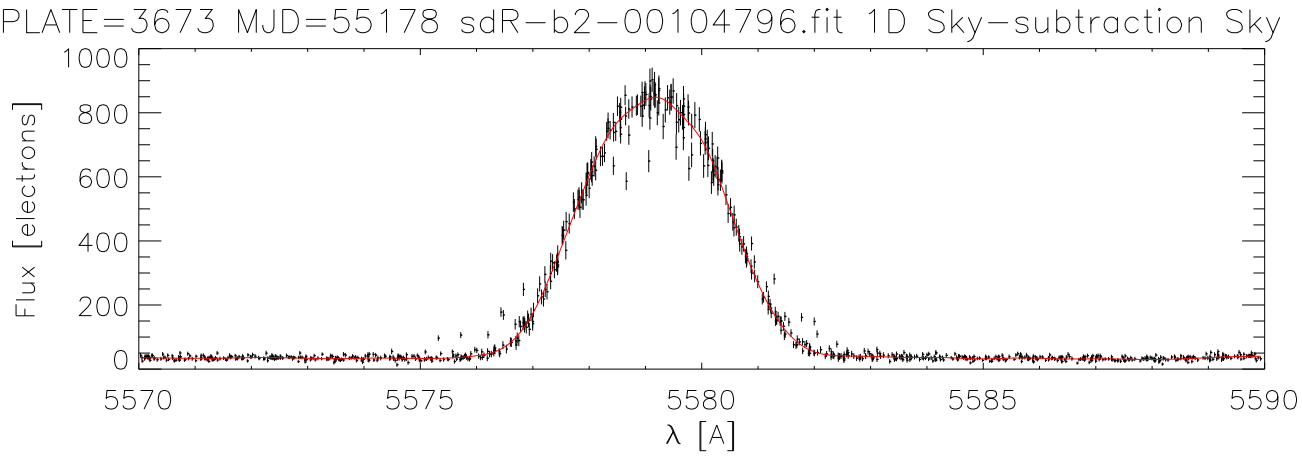

PLATE=3673 MJD=55178 Extraction chi^2 for sdR−b2−00104796.fit
BLACK = Final chisq extraction
χ^2
0.0
0.5
1.0
1.5
0
1000
2000
3000
4000
Row number

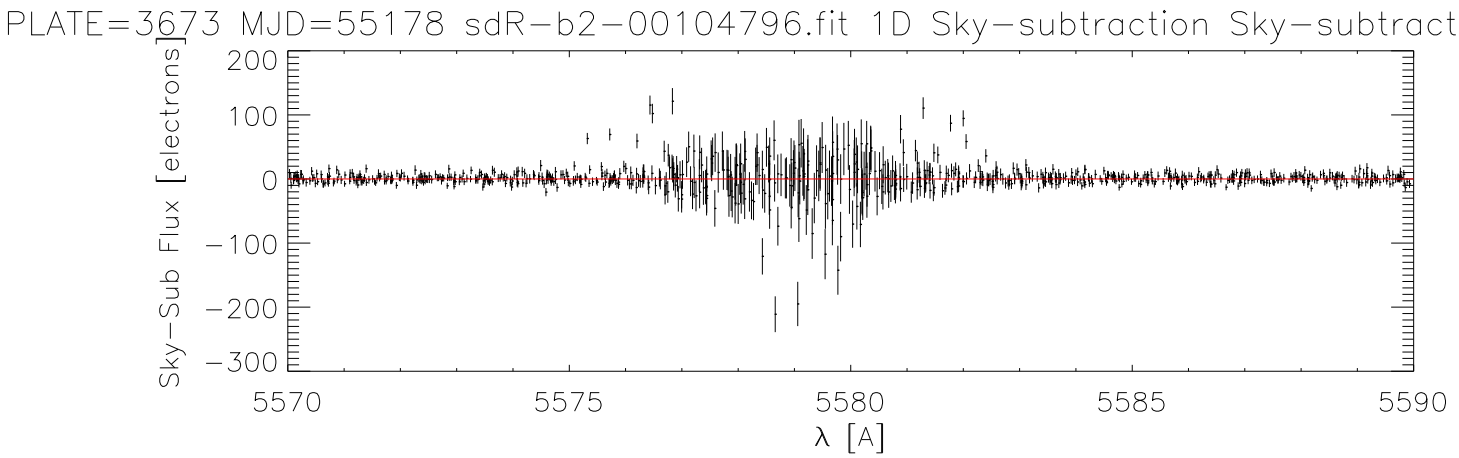

PLATE=3673 MJD=55178 Sky Line Deviations for sdR-b2-00104796.fit
1.00 pix
Before shift
After shift
Fiber Number
0
100
200
300
400
500
4046
4358
5460
5577
6300
6363
6553
6923
6949
Sky Line Wavelength


PLATE=3673 MJD=55178 Smooth superflat for sdR-b2-00104796.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)

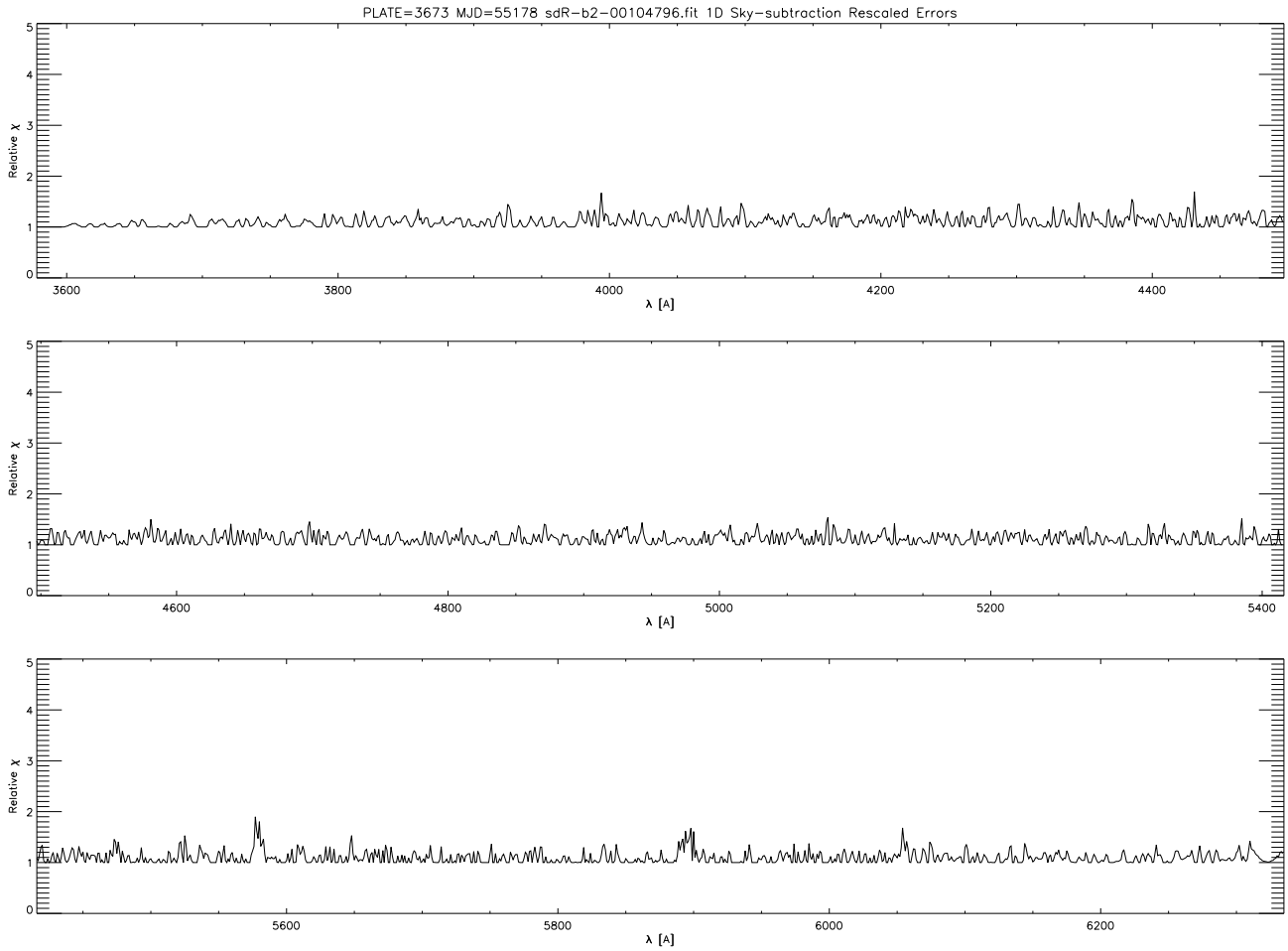

PLATE=3673 MJD=55178 sdR-b2-00104796.fit 1D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Median |χ|
Fiber number
1.0
0.8
0.6
0.4
0.2
0.0
0
100
200
300
400
500

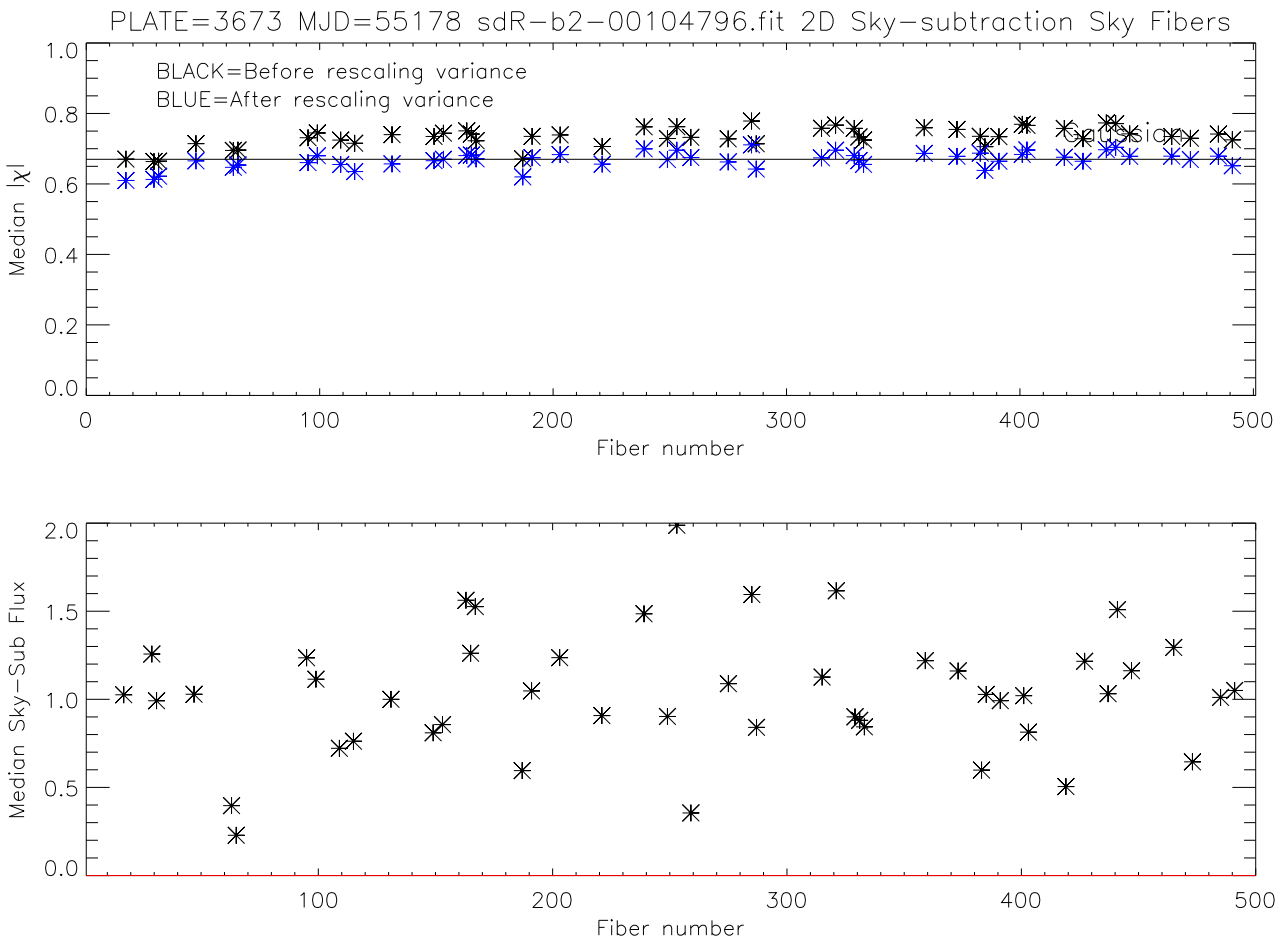
Median Sky-Sub Flux
Fiber number
2.0
1.5
1.0
0.5
0.0
100
200
300
400
500


PLATE=3673 MJD=55178 sdR-b2-00104796.fit 1D Sky-subtraction Sky Fibers
Flux [electrons]
1000
800
600
400
200
0
5570
5575
5580
5585
5590
λ [A]

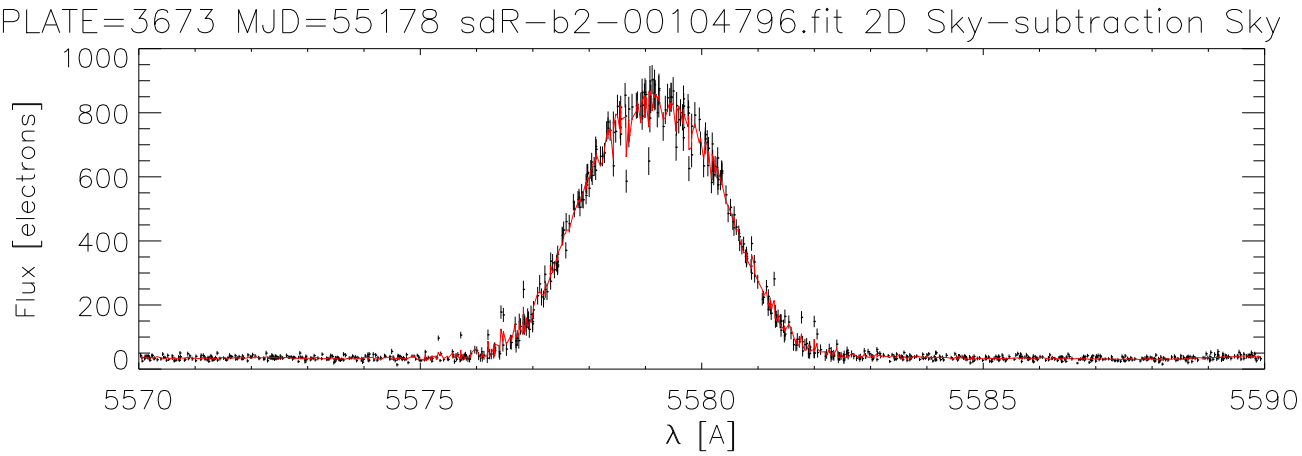

PLATE=3673 MJD=55178 sdR-b2-00104796.fit 1D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
200
100
0
-100
-200
-300
5570
5575
5580
5585
5590
λ [A]

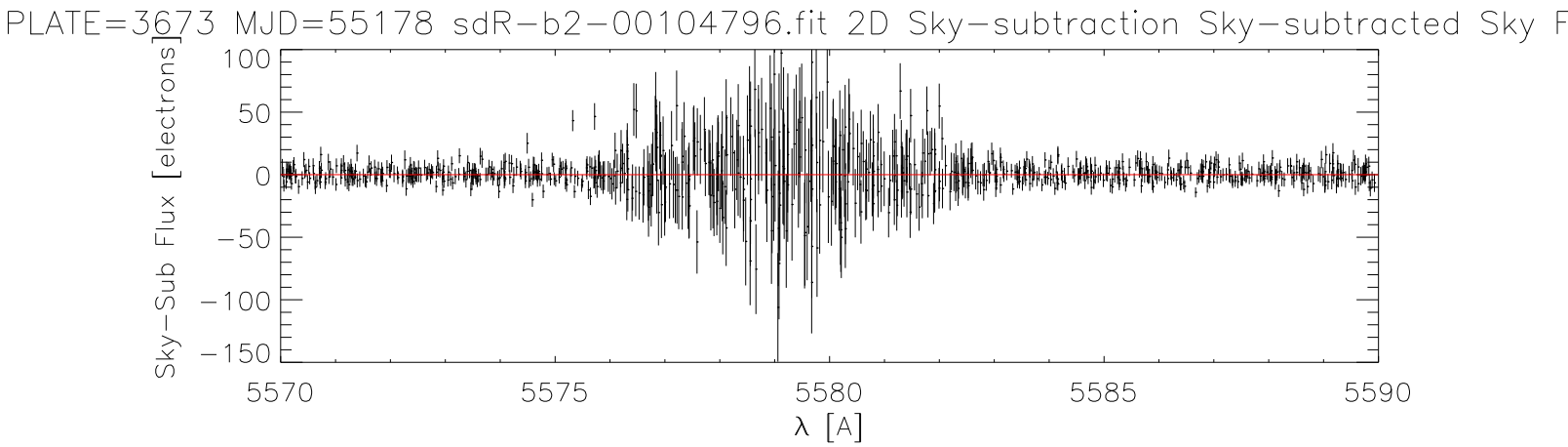
Number of sky fibers = 48



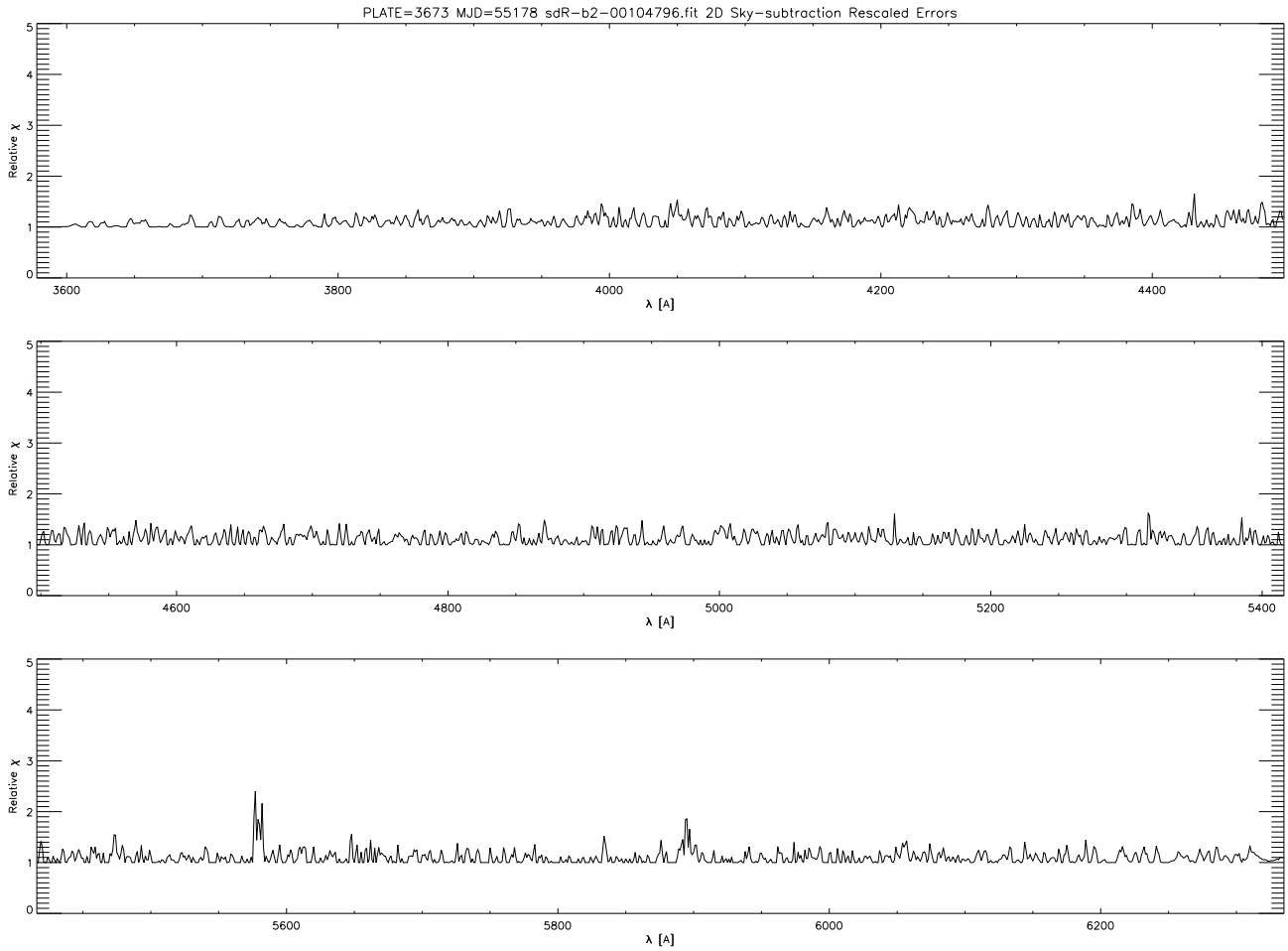

PLATE=3673 MJD=55178 sdR-b2-00104796.fit 2D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Median |χ|
Fiber number

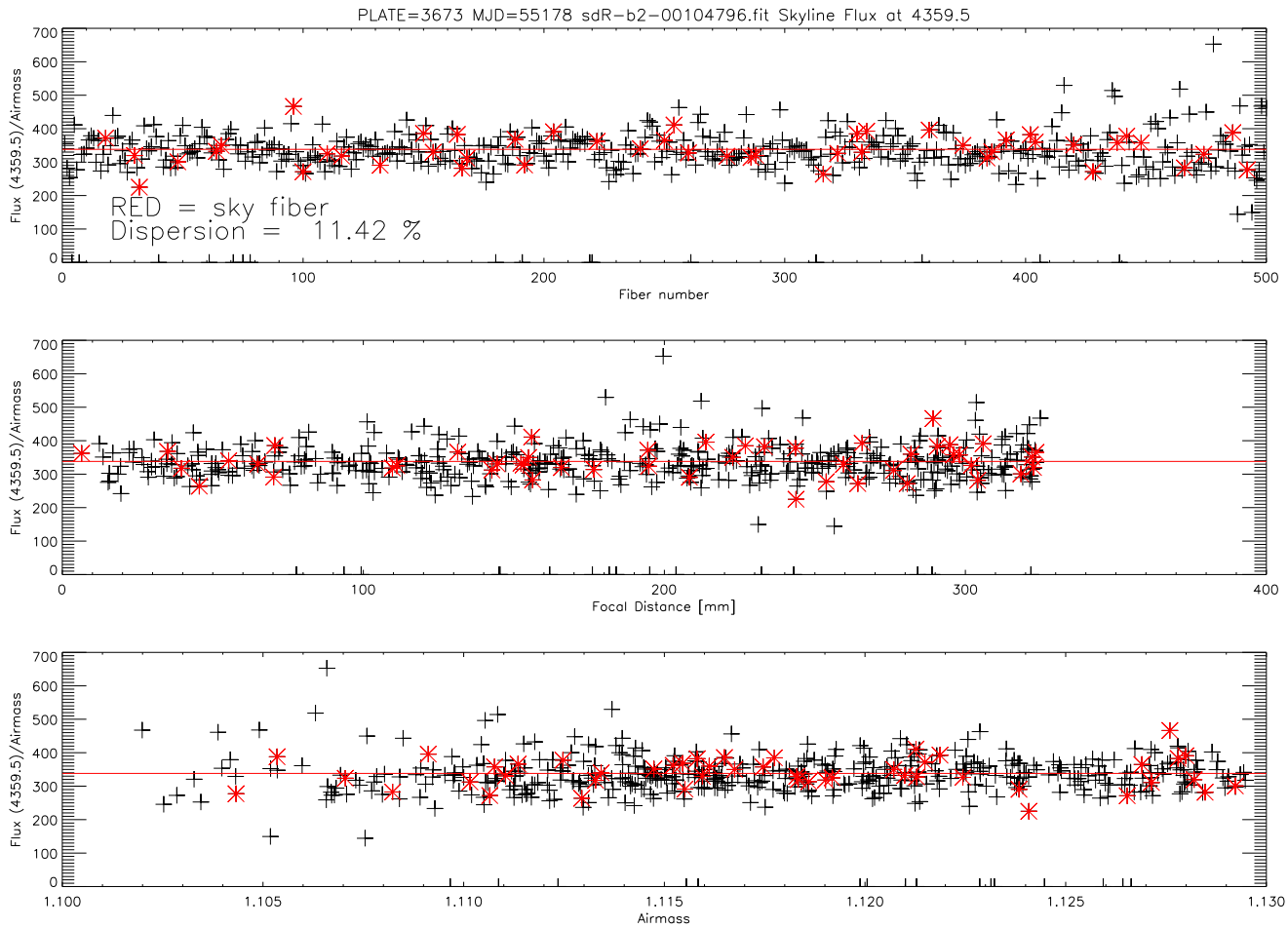
Median Sky-Sub Flux
Fiber number

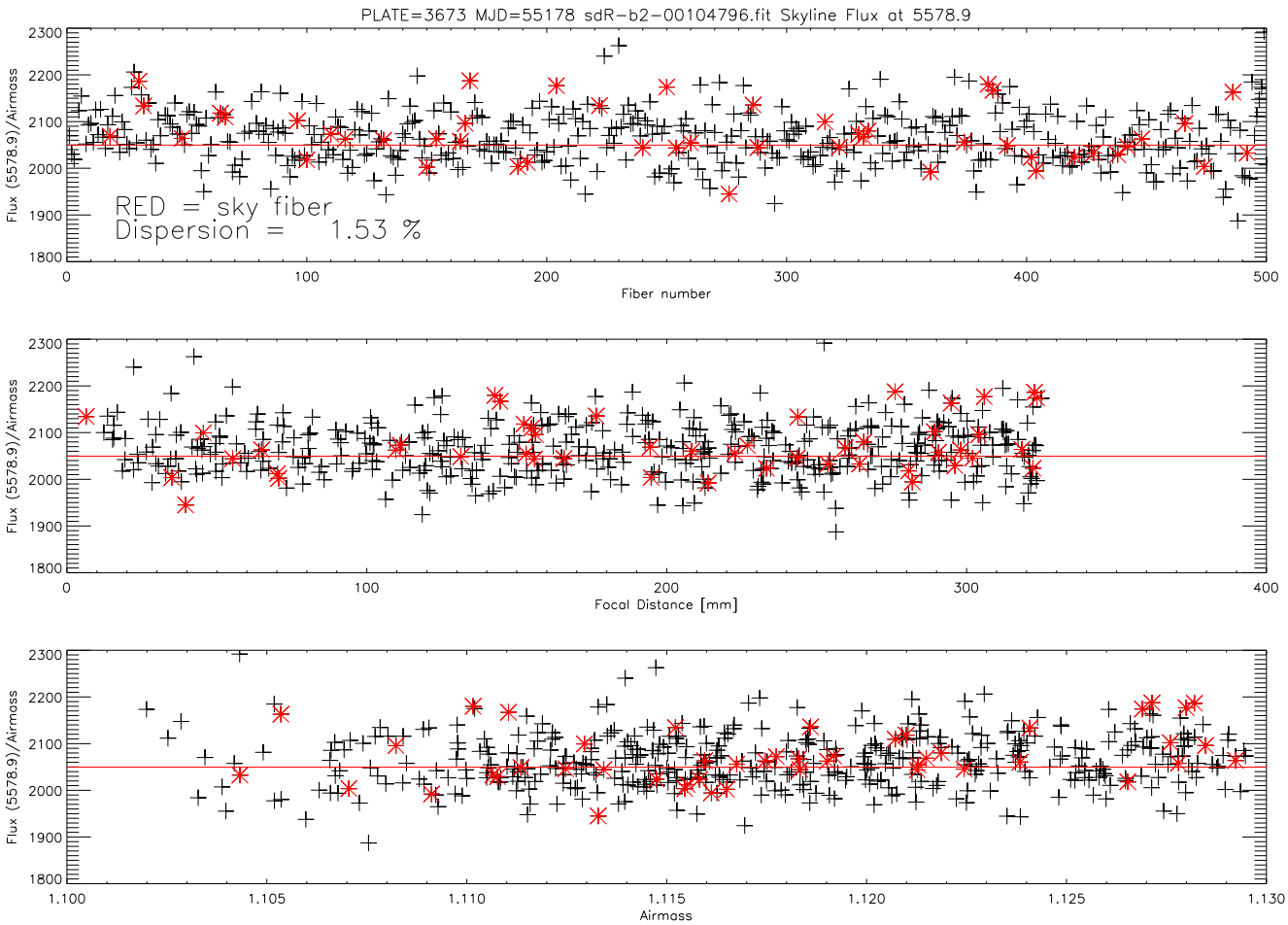

PLATE=3673 MJD=55178 sdR-b2-00104796.fit 2D Sky-subtraction Sky Fibers
Flux [electrons]
1000
800
600
400
200
0
5570
5575
5580
5585
5590
λ [A]

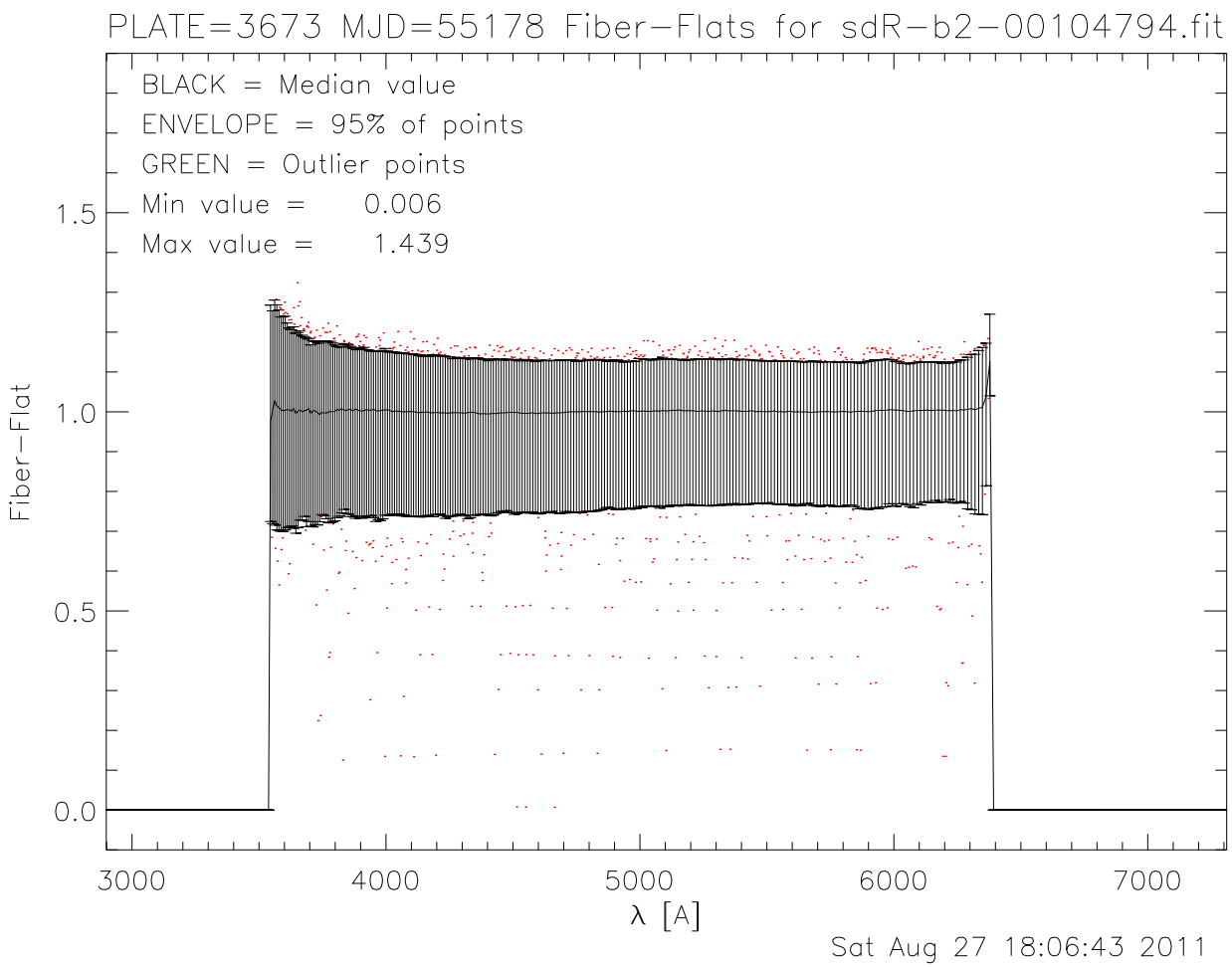

PLATE=3673 MJD=55178 sdR-b2-00104796.fit 2D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
100
50
0
-50
-100
-150
5570
5575
5580
5585
5590
λ [A]

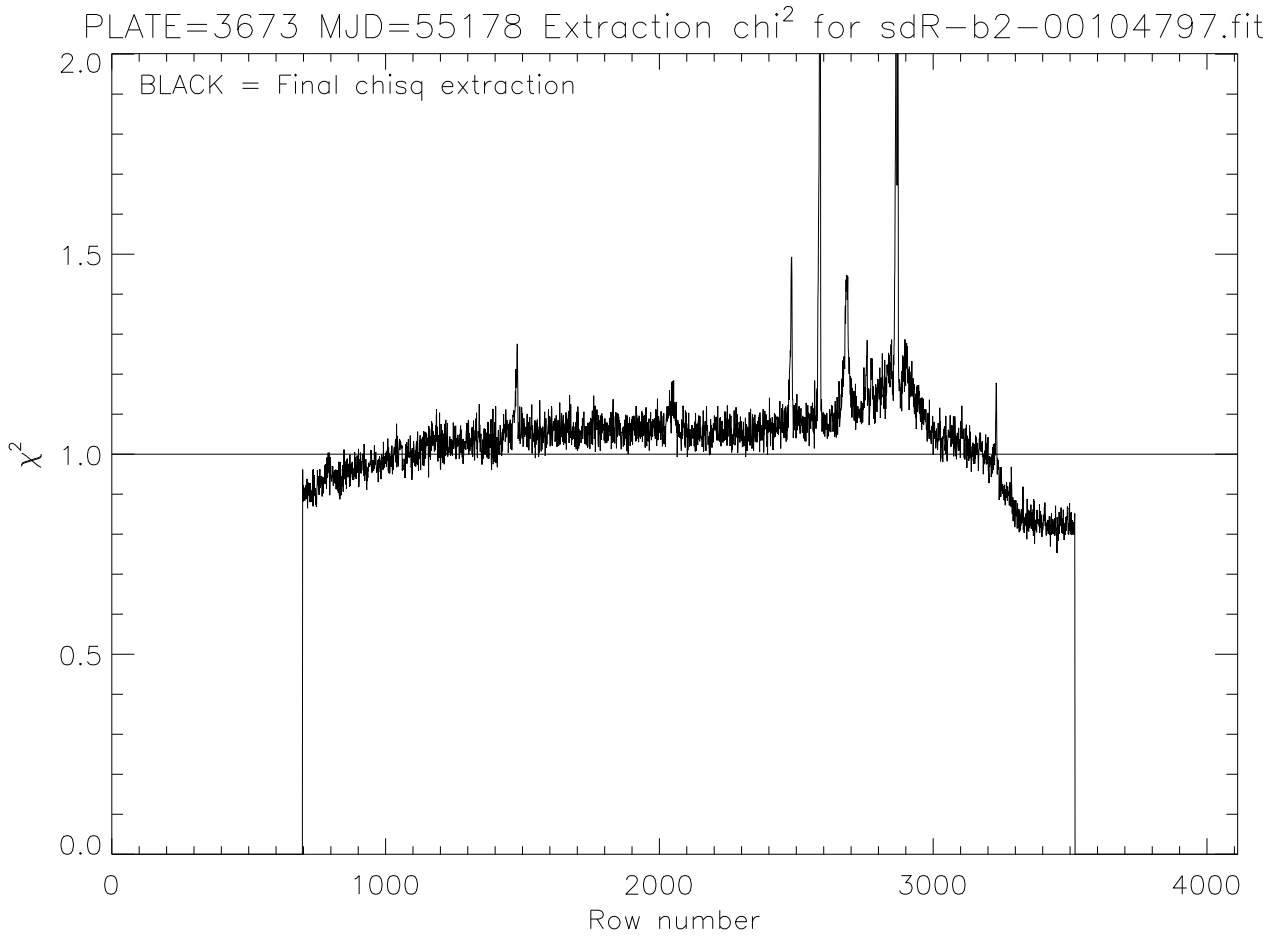
Number of sky fibers = 48

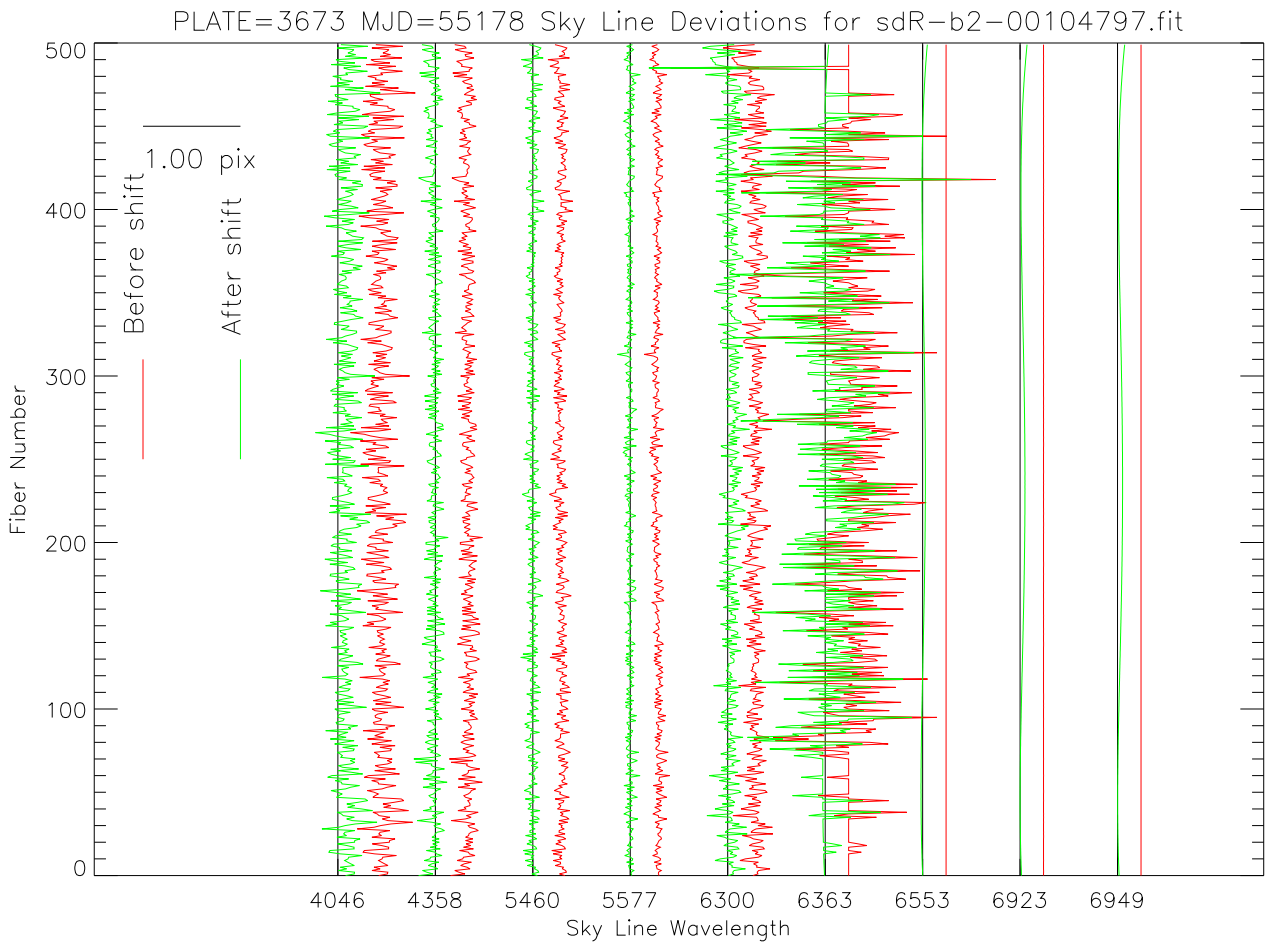


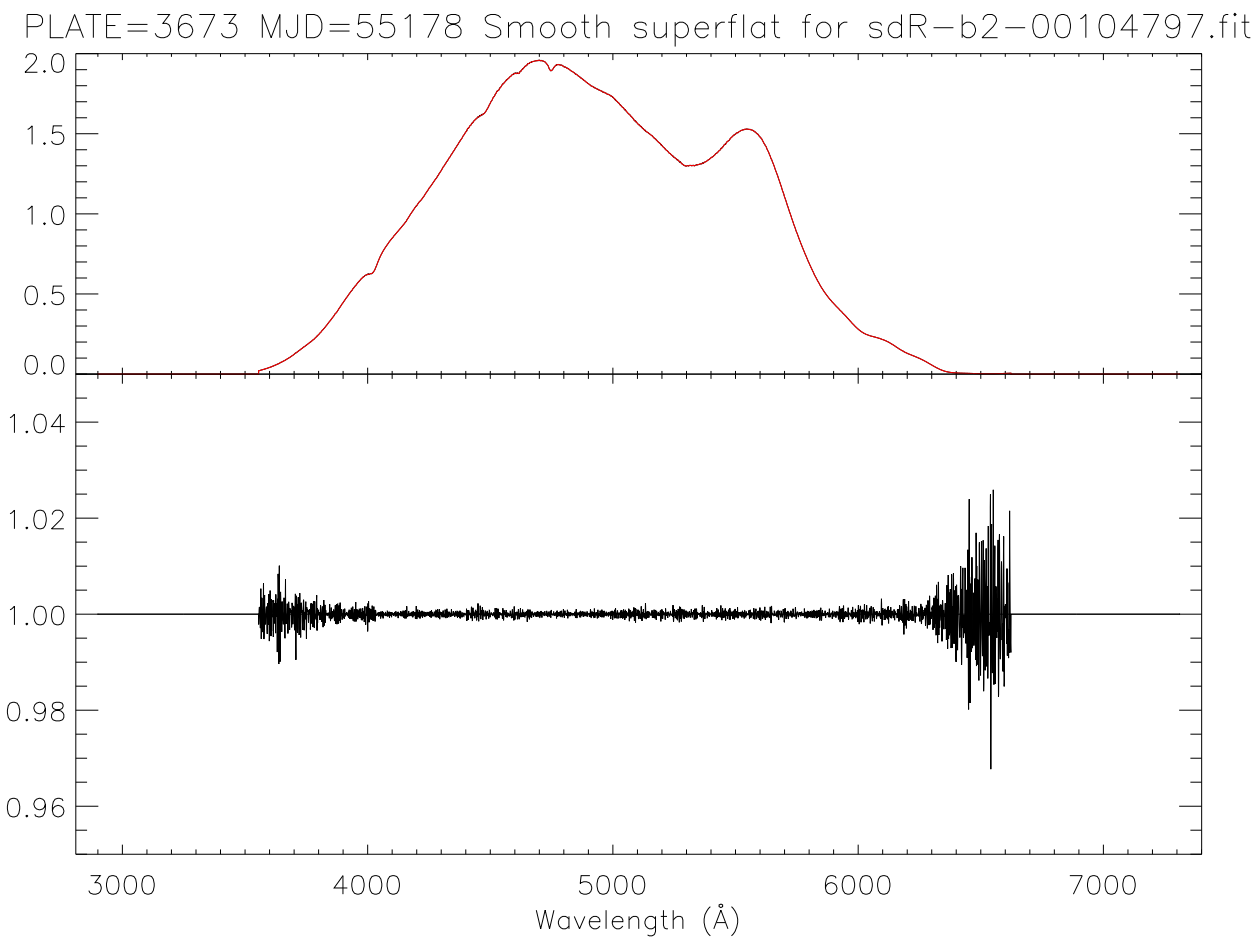

PLATE=3673 MJD=55178 sdR-b2-00104796.fit Skyline Flux at 4359.5
Flux (4359.5)/Airmass
RED = sky fiber
Dispersion = 11.42 %
Fiber number
Flux (4359.5)/Airmass
Focal Distance [mm]
Flux (4359.5)/Airmass
Airmass

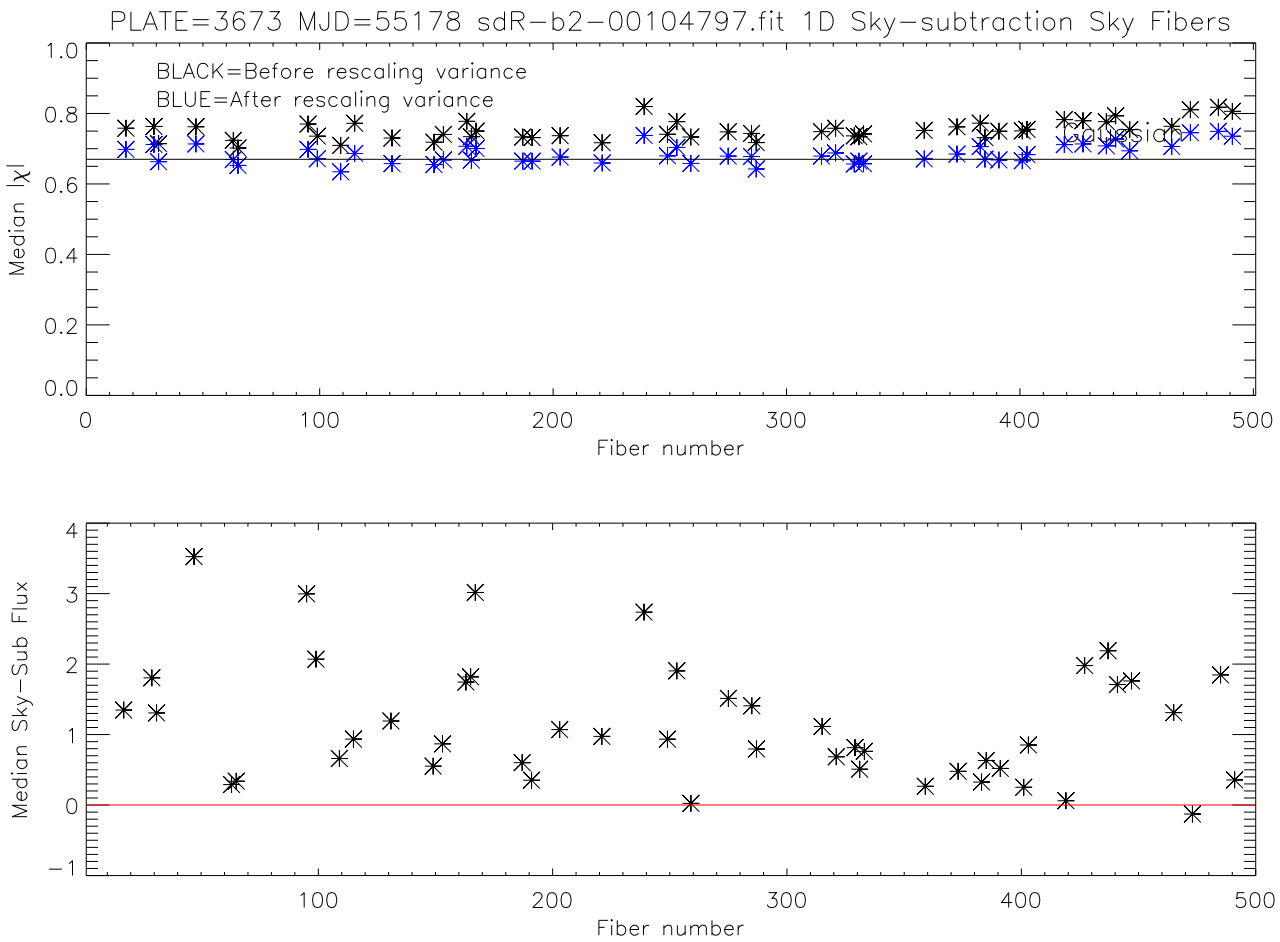

PLATE=3673 MJD=55178 sdR-b2-00104796.fit Skyline Flux at 5578.9
Flux (5578.9)/Airmass
RED = sky fiber
Dispersion = 1.53 %
Fiber number
Flux (5578.9)/Airmass
Focal Distance [mm]
Flux (5578.9)/Airmass
Airmass

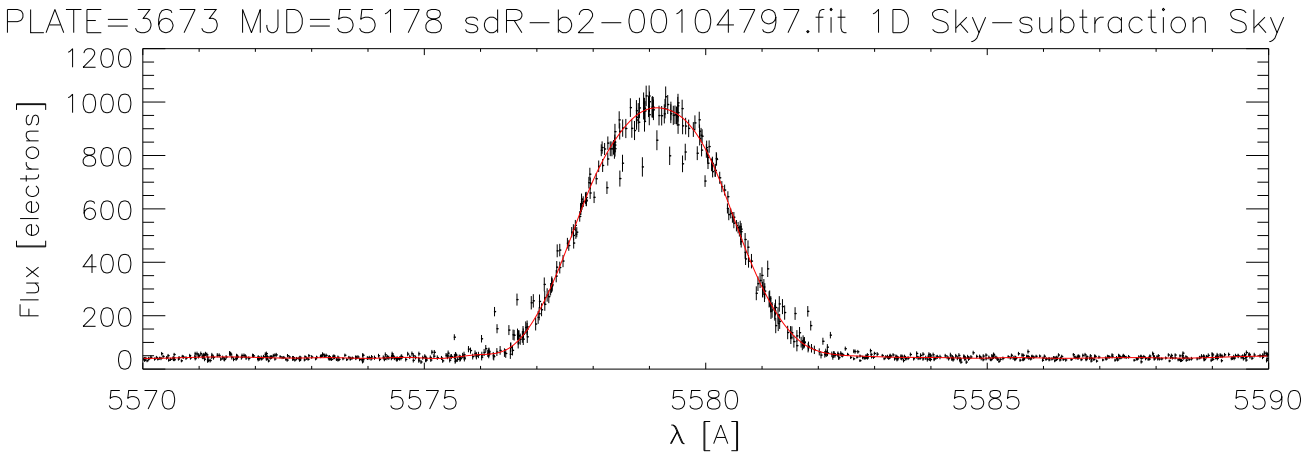

PLATE=3673 MJD=55178 Fiber−Flats for sdR−b2−00104794.fit
BLACK = Median value
ENVELOPE = 95% of points
GREEN = Outlier points
Min value = 0.006
Max value = 1.439
Fiber−Flat
1.5
1.0
0.5
0.0
3000
4000
5000
6000
7000
λ [A]
Sat Aug 27 18:06:43 2011

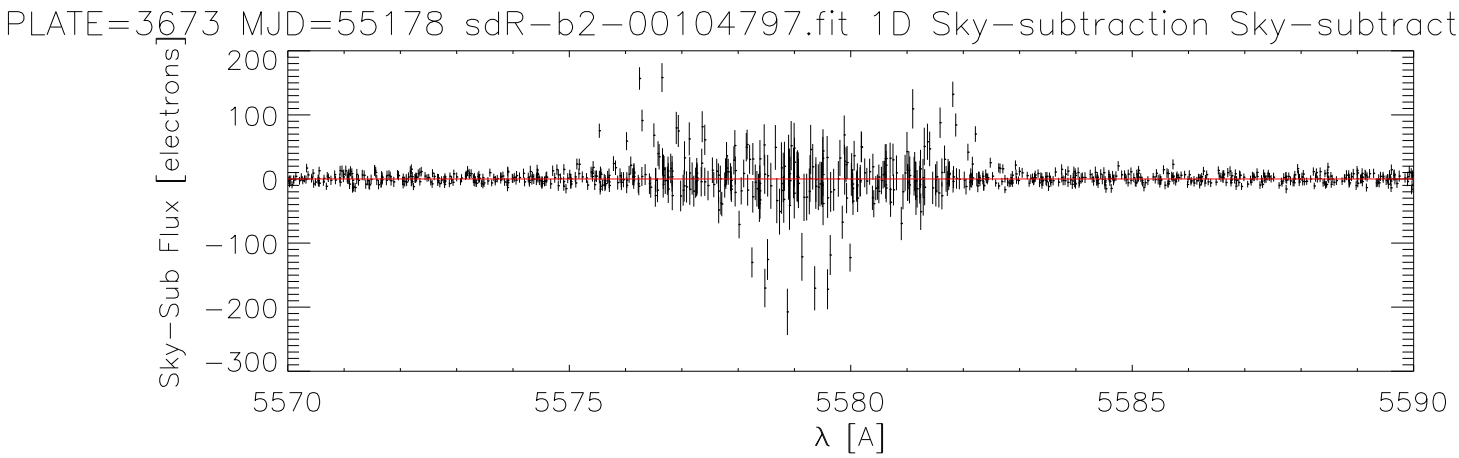

PLATE=3673 MJD=55178 Extraction chi^2 for sdR-b2-00104797.fit
BLACK = Final chisq extraction
χ^2
2.0
1.5
1.0
0.5
0.0
0
1000
2000
3000
4000
Row number


PLATE=3673 MJD=55178 Sky Line Deviations for sdR-b2-00104797.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

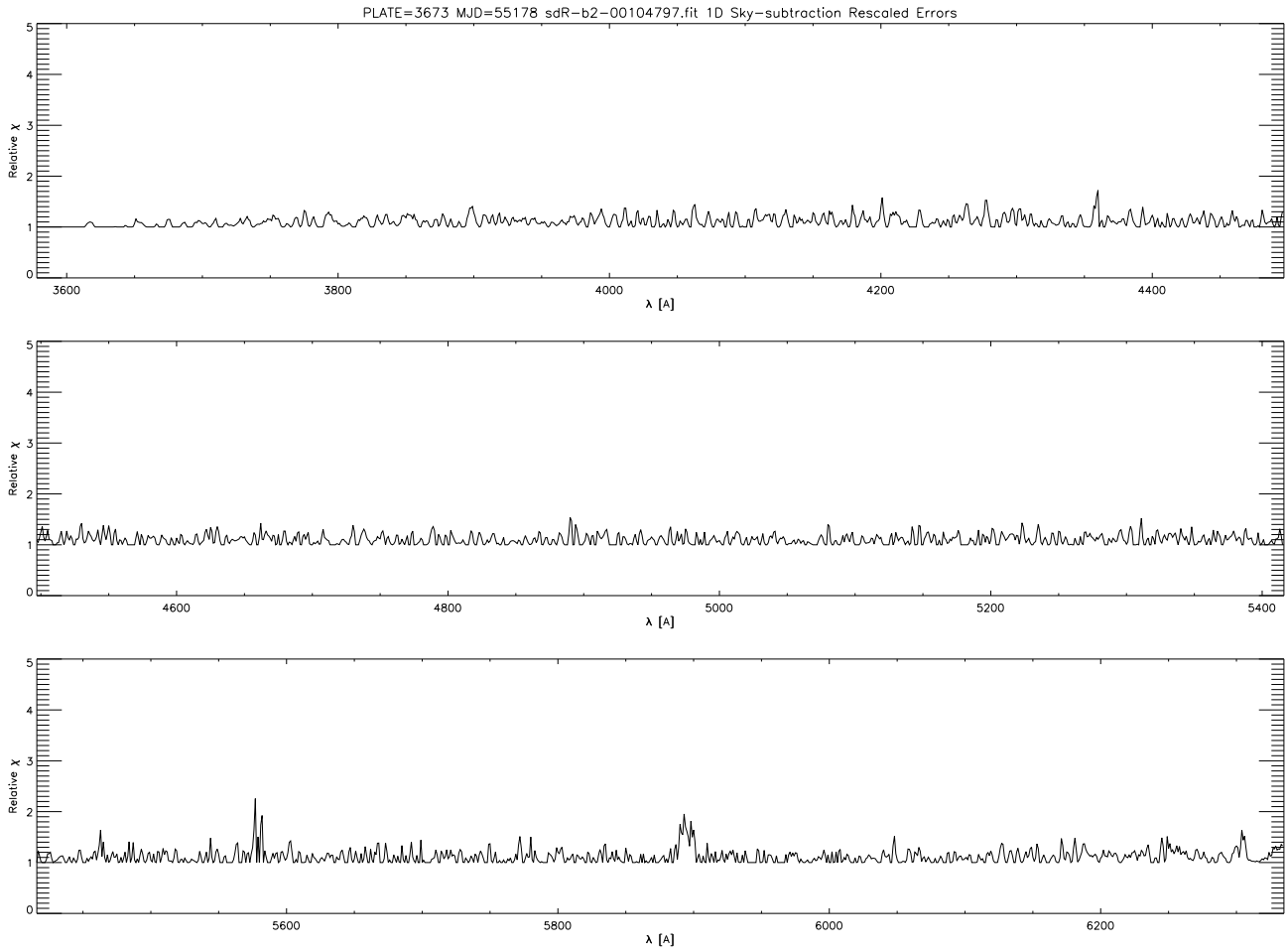

PLATE=3673 MJD=55178 Smooth superflat for sdR-b2-00104797.fit
2.0
1.5
1.0
0.5
0.0
1.04
1.02
1.00
0.98
0.96
3000
4000
5000
6000
7000
Wavelength (Å)

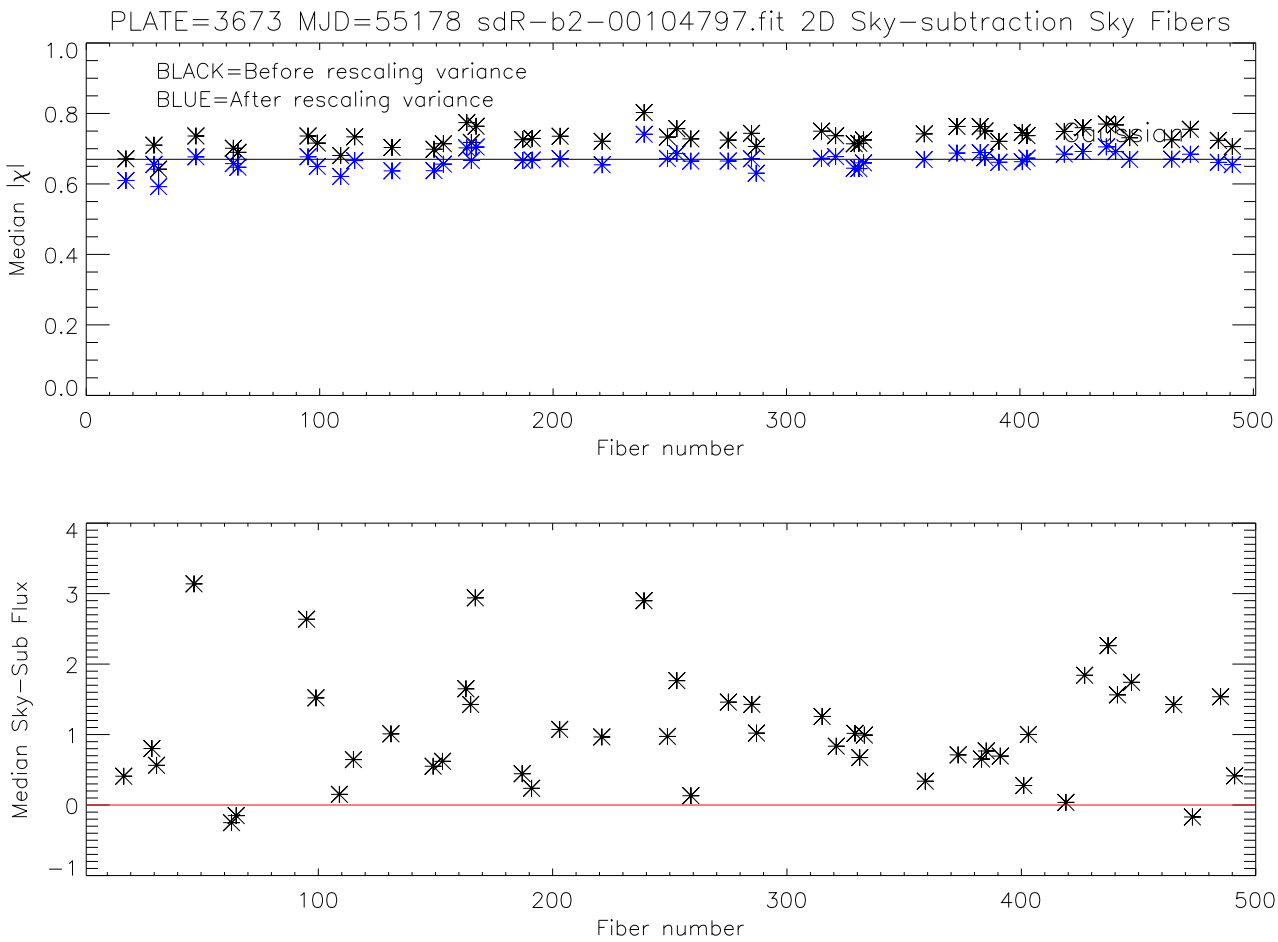

PLATE=3673 MJD=55178 sdR-b2-00104797.fit 1D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

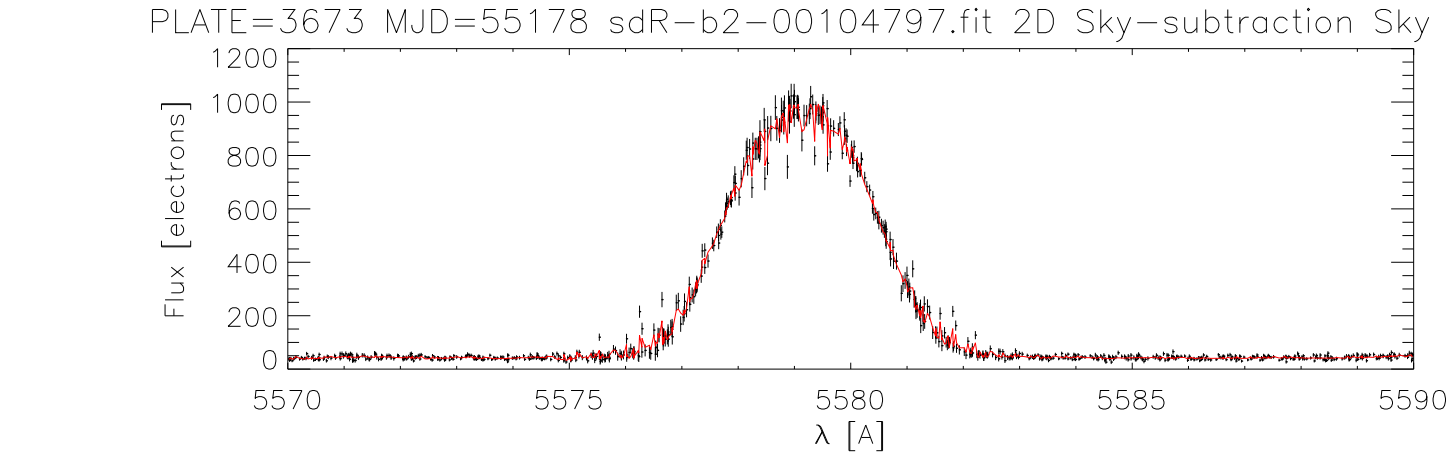

PLATE=3673 MJD=55178 sdR-b2-00104797.fit 1D Sky-subtraction Sky Fibers
Flux [electrons]
1200
1000
800
600
400
200
0
5570
5575
5580
5585
5590
λ [A]

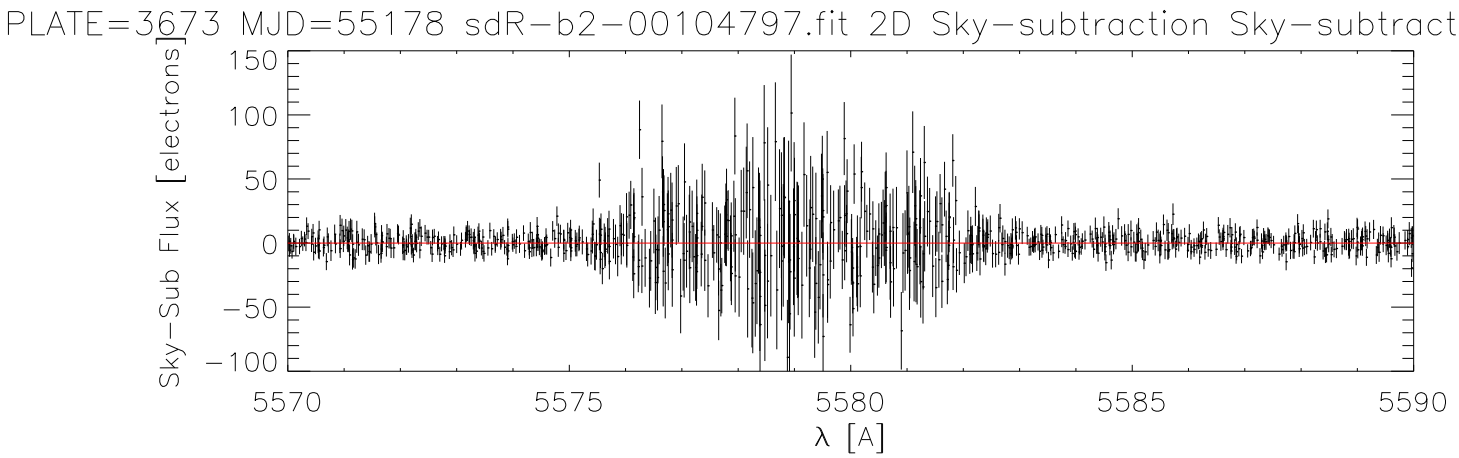

PLATE=3673 MJD=55178 sdR-b2-00104797.fit 1D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
200
100
0
-100
-200
-300
5570
5575
5580
5585
5590
λ [A]

Number of sky fibers = 48

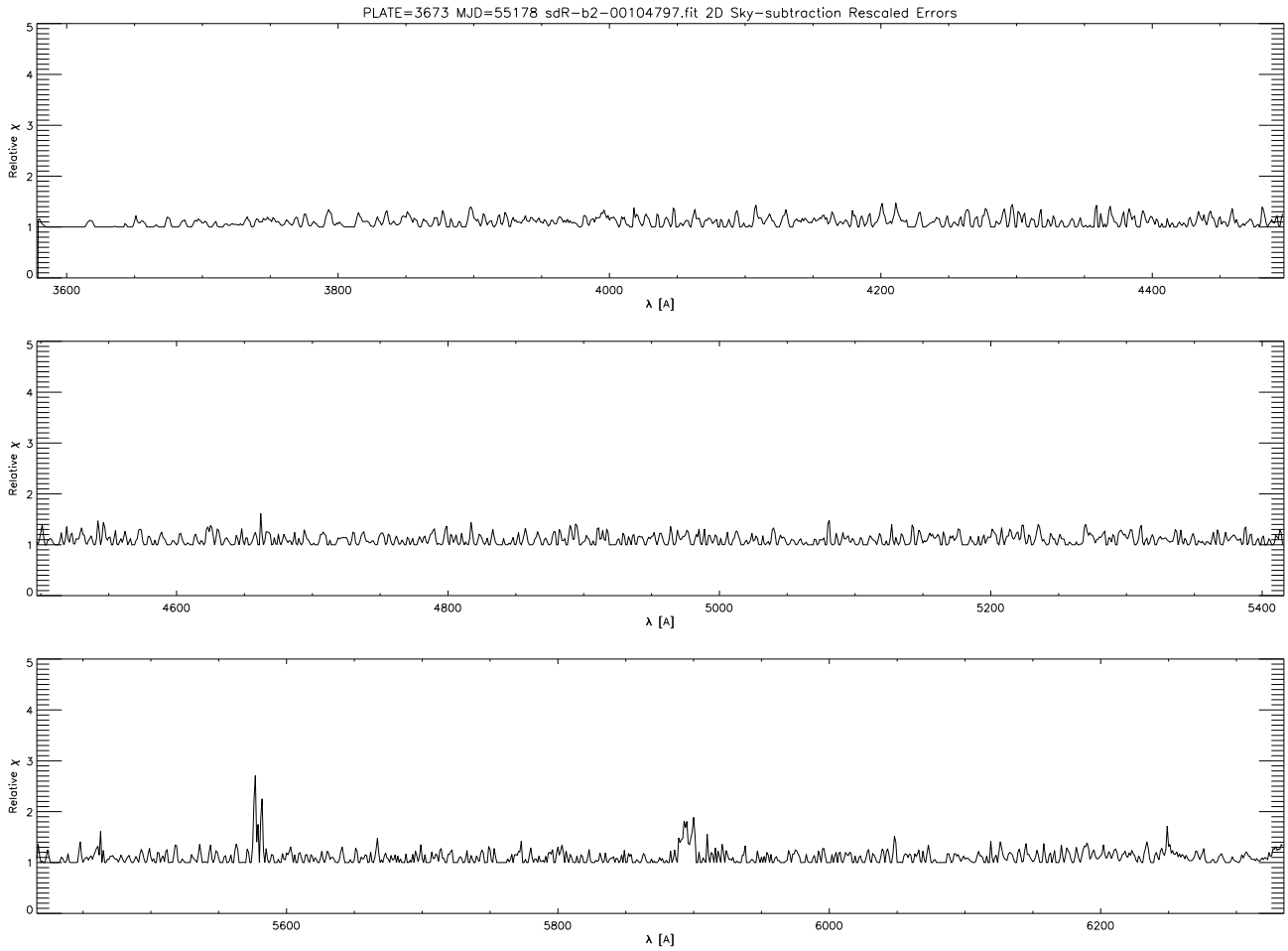


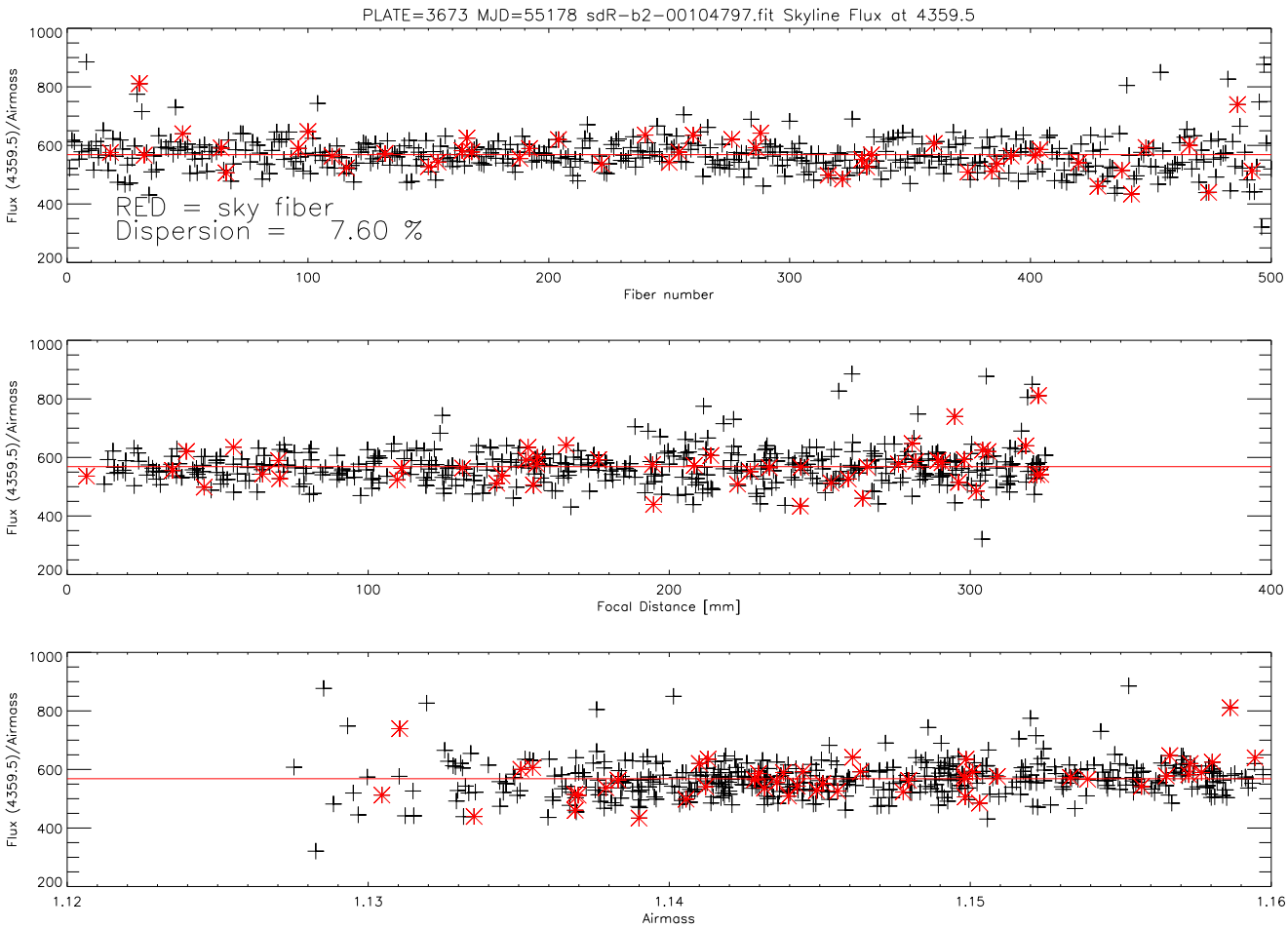

PLATE=3673 MJD=55178 sdR-b2-00104797.fit 2D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

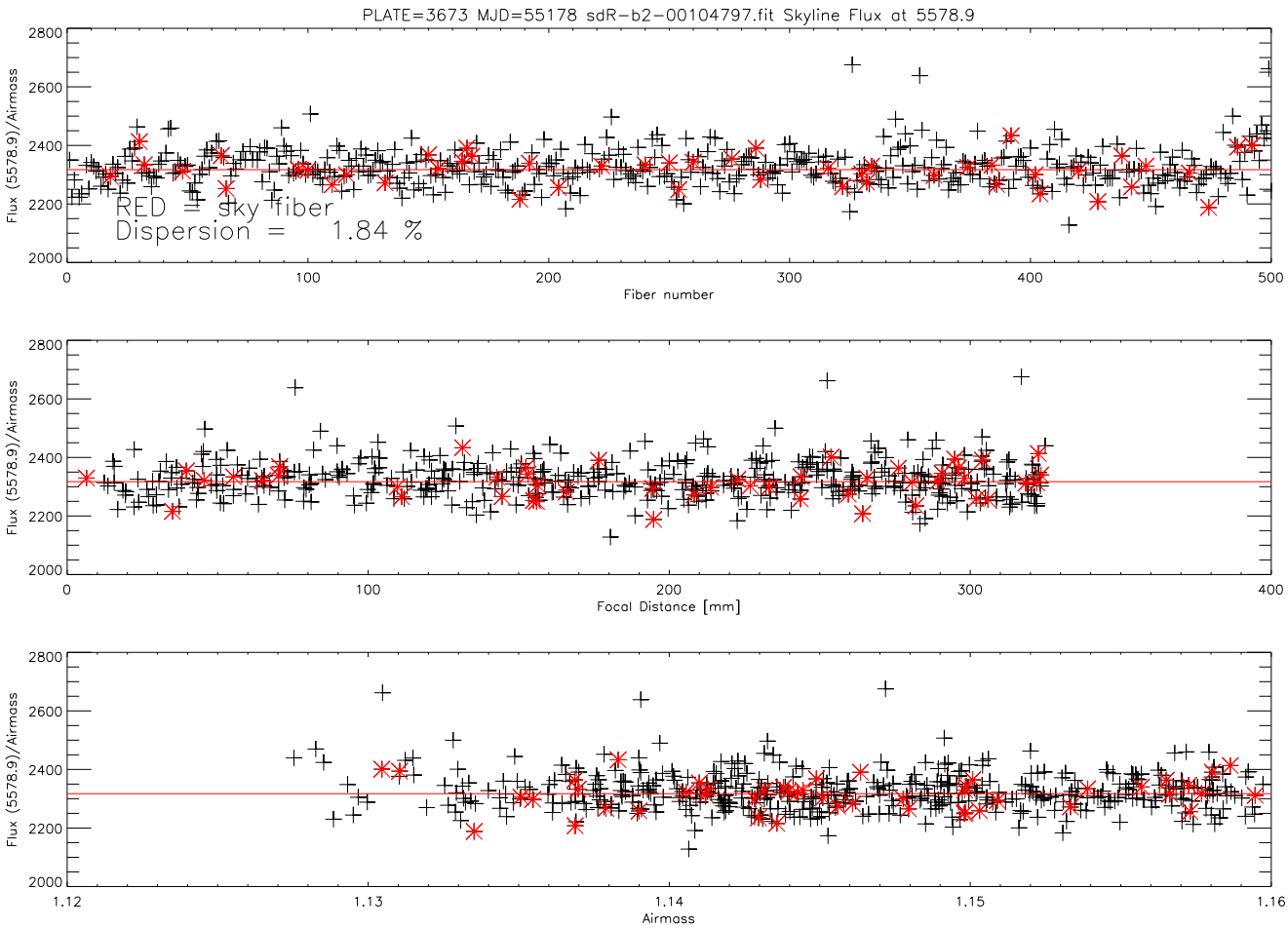

PLATE=3673 MJD=55178 sdR-b2-00104797.fit 2D Sky-subtraction Sky Fibers
Flux [electrons]
1200
1000
800
600
400
200
0
5570
5575
5580
5585
5590
λ [A]

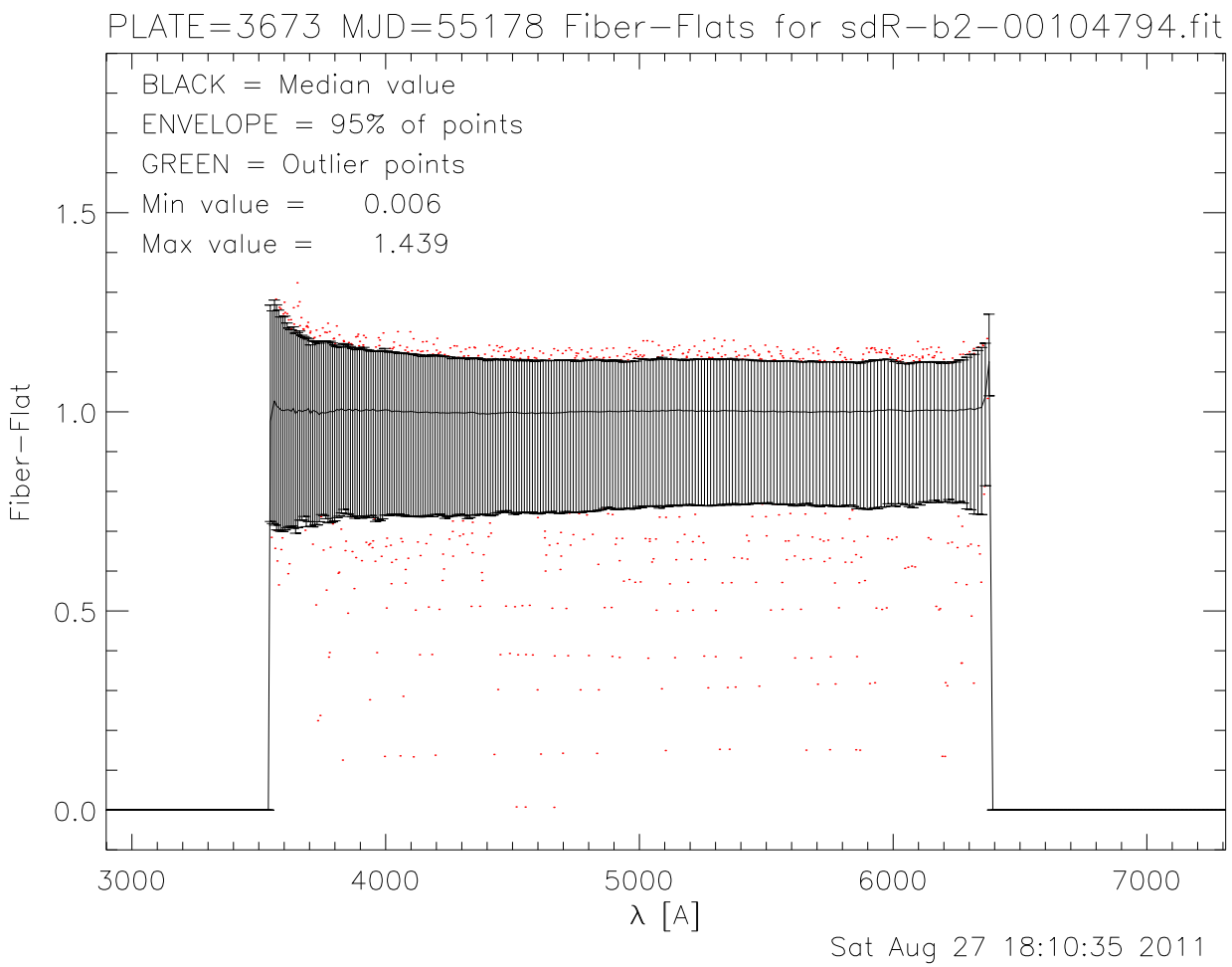

PLATE=3673 MJD=55178 sdR-b2-00104797.fit 2D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
150
100
50
0
-50
-100
5570
5575
5580
5585
5590
λ [A]

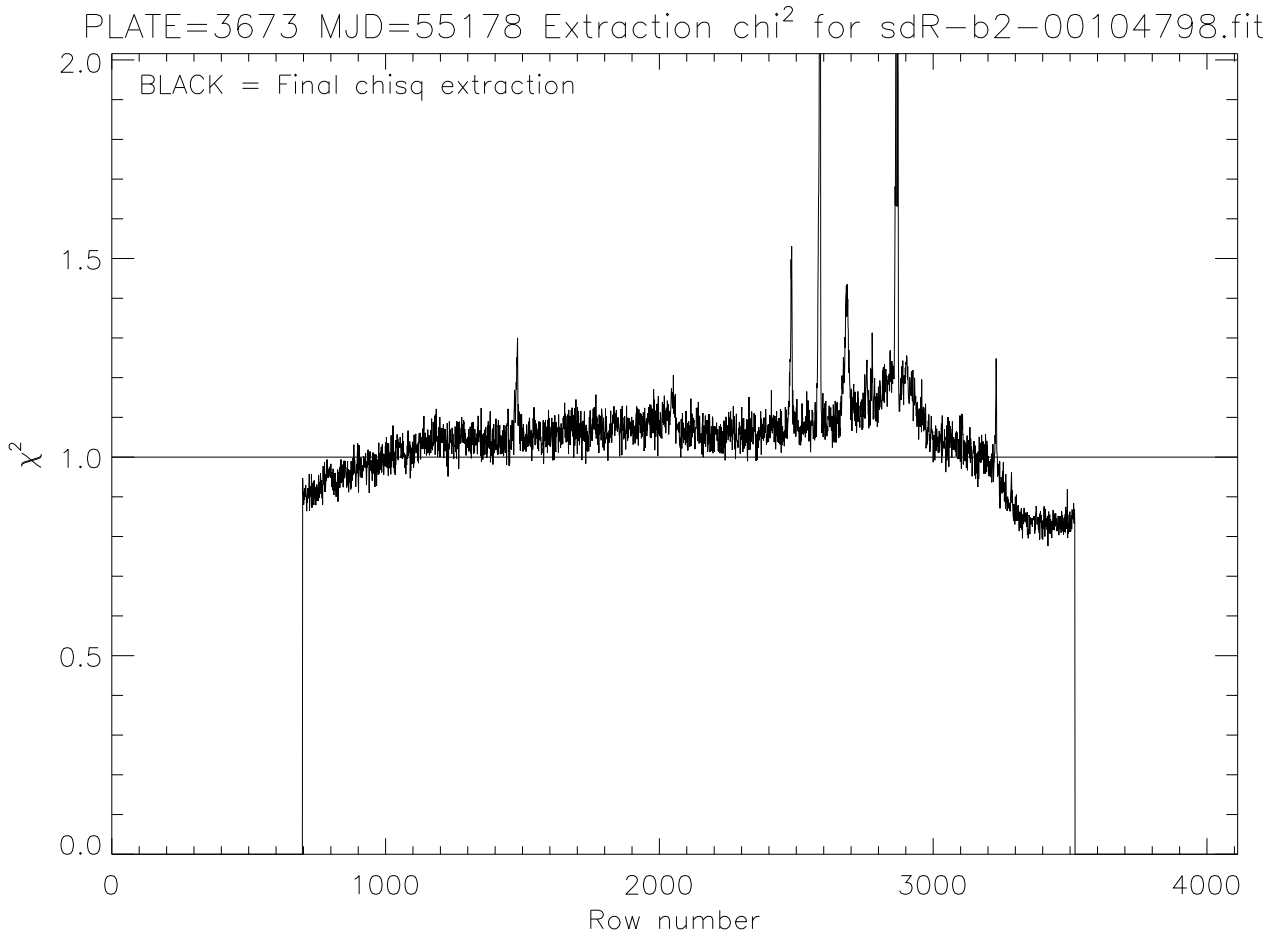
Number of sky fibers = 48

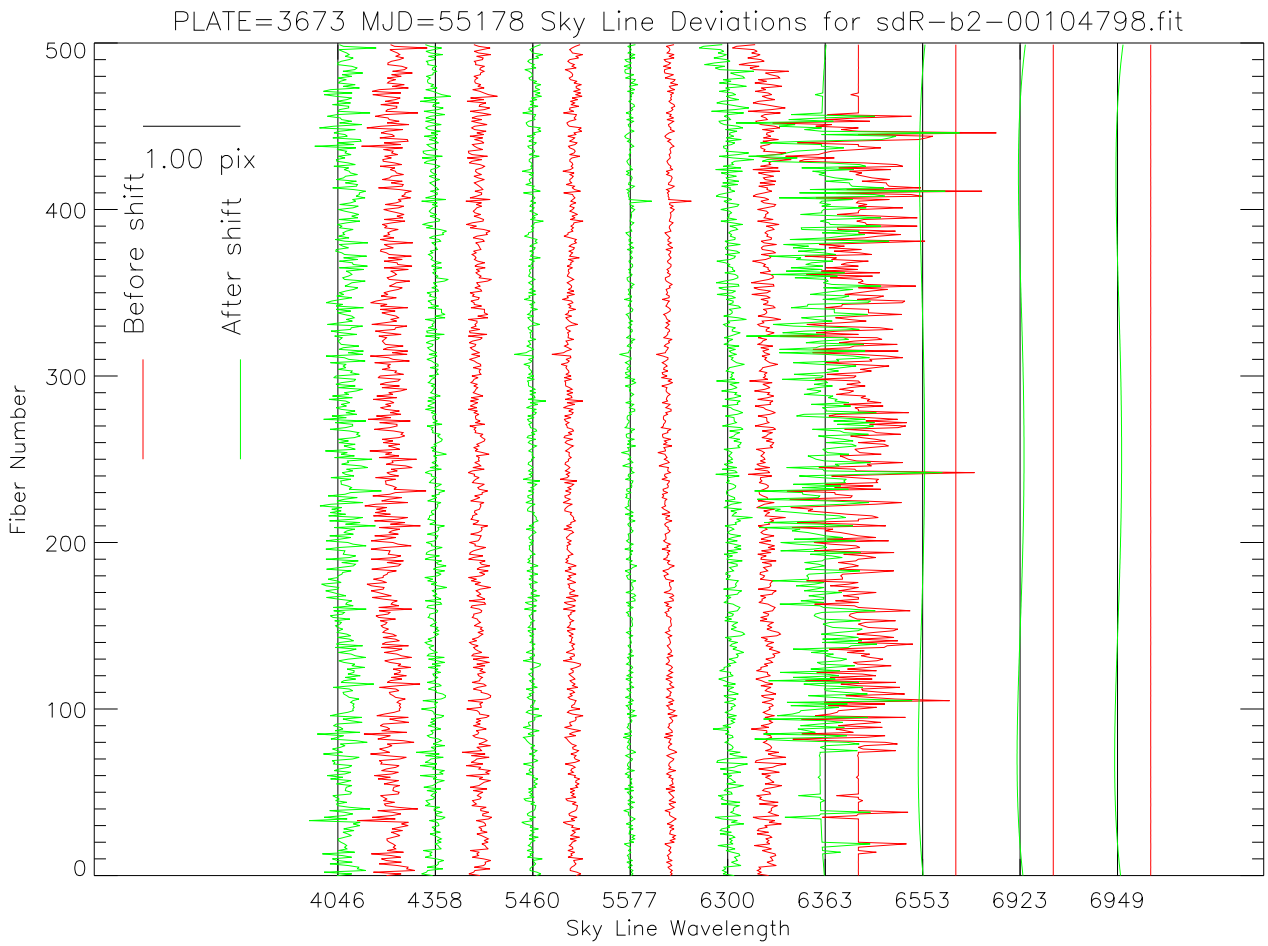


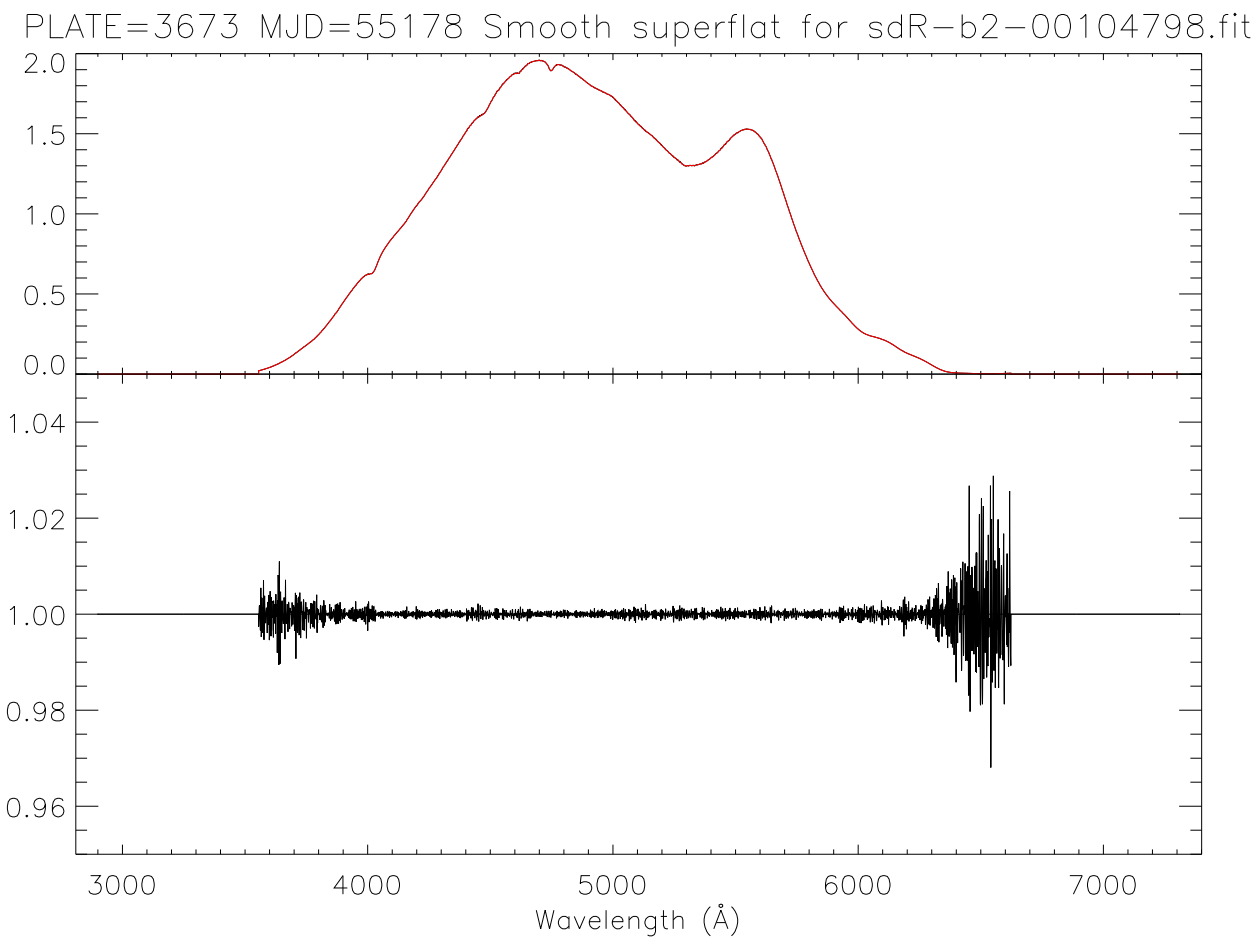

PLATE=3673 MJD=55178 sdR-b2-00104797.fit Skyline Flux at 4359.5
Flux (4359.5)/Airmass
RED = sky fiber
Dispersion = 7.60 %
Fiber number
Flux (4359.5)/Airmass
Focal Distance [mm]
Flux (4359.5)/Airmass
Airmass

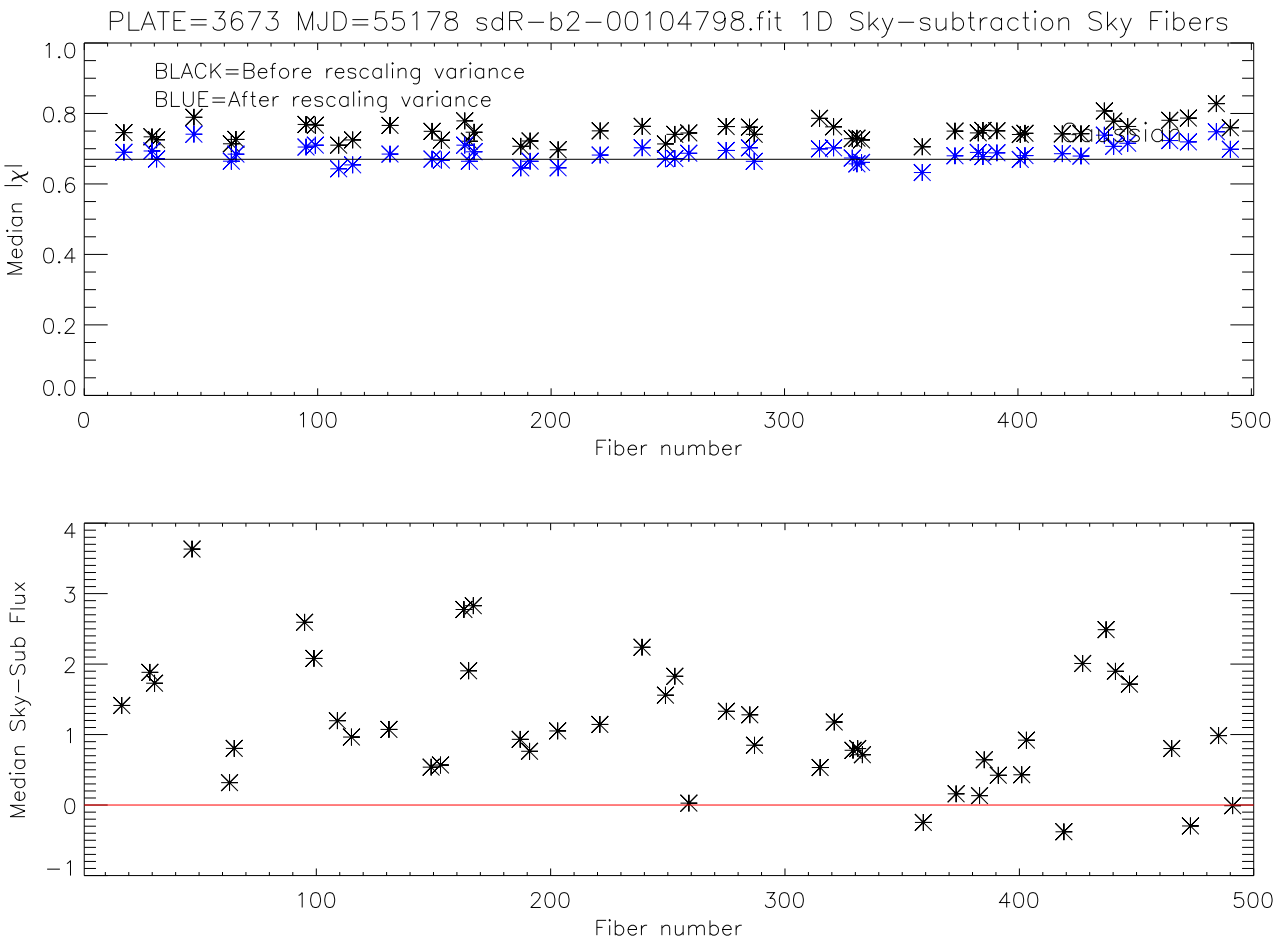

PLATE=3673 MJD=55178 sdR-b2-00104797.fit Skyline Flux at 5578.9
Flux (5578.9)/Airmass
Fiber number
RED = sky fiber
Dispersion = 1.84 %
Flux (5578.9)/Airmass
Focal Distance [mm]
Flux (5578.9)/Airmass
Airmass

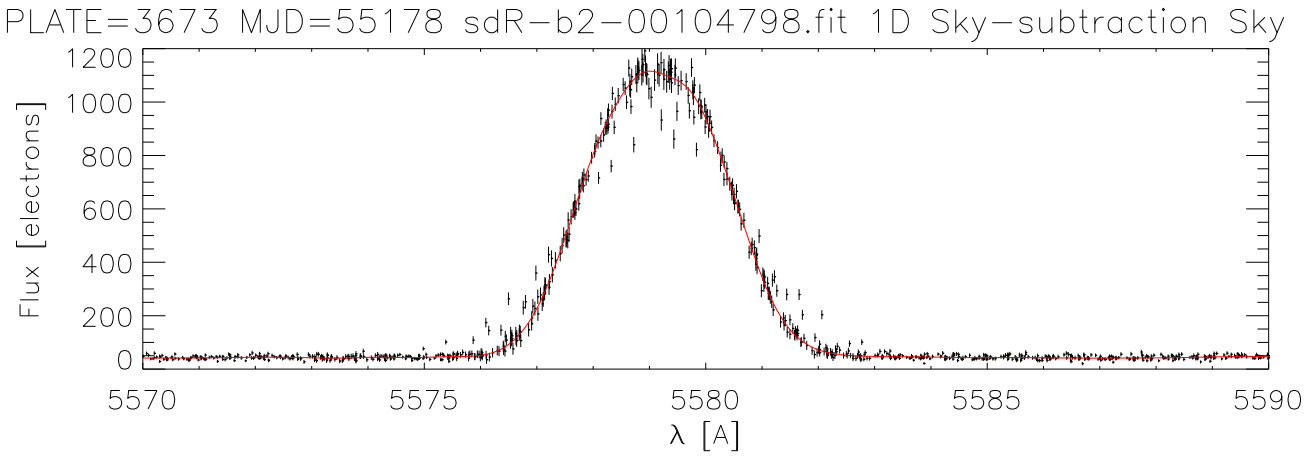

PLATE=3673 MJD=55178 Fiber-Flats for sdR-b2-00104794.fit
BLACK = Median value
ENVELOPE = 95% of points
GREEN = Outlier points
Min value = 0.006
Max value = 1.439
Fiber-Flat
1.5
1.0
0.5
0.0
3000
4000
5000
6000
7000
λ [A]
Sat Aug 27 18:10:35 2011

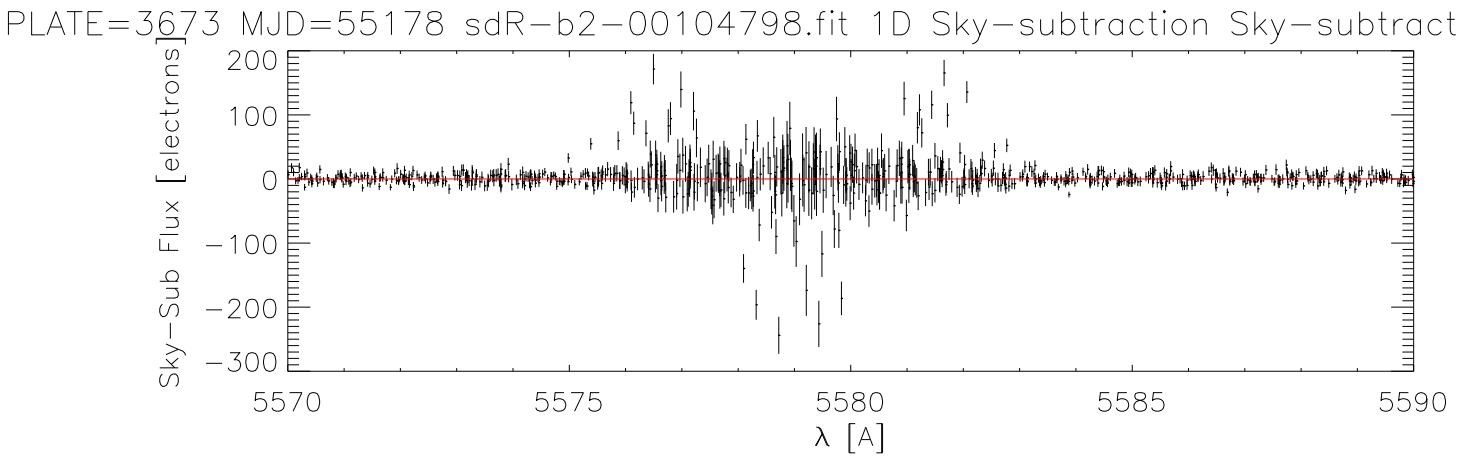

PLATE=3673 MJD=55178 Extraction chi^2 for sdR-b2-00104798.fit
BLACK = Final chisq extraction
χ^2
2.0
1.5
1.0
0.5
0.0
0
1000
2000
3000
4000
Row number


PLATE=3673 MJD=55178 Sky Line Deviations for sdR-b2-00104798.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

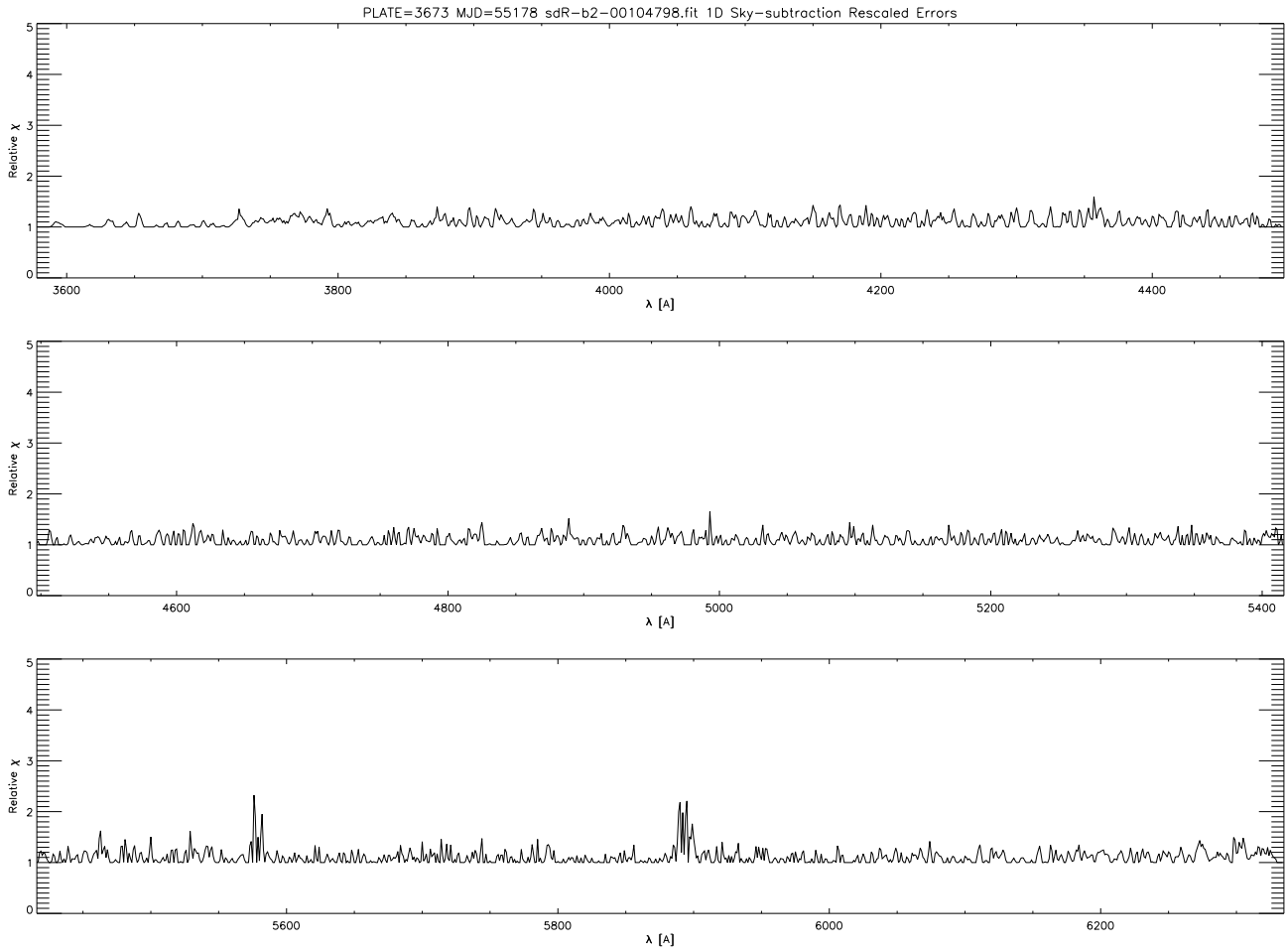

PLATE=3673 MJD=55178 Smooth superflat for sdR-b2-00104798.fit
2.0
1.5
1.0
0.5
0.0
1.04
1.02
1.00
0.98
0.96
3000
4000
5000
6000
7000
Wavelength (Å)

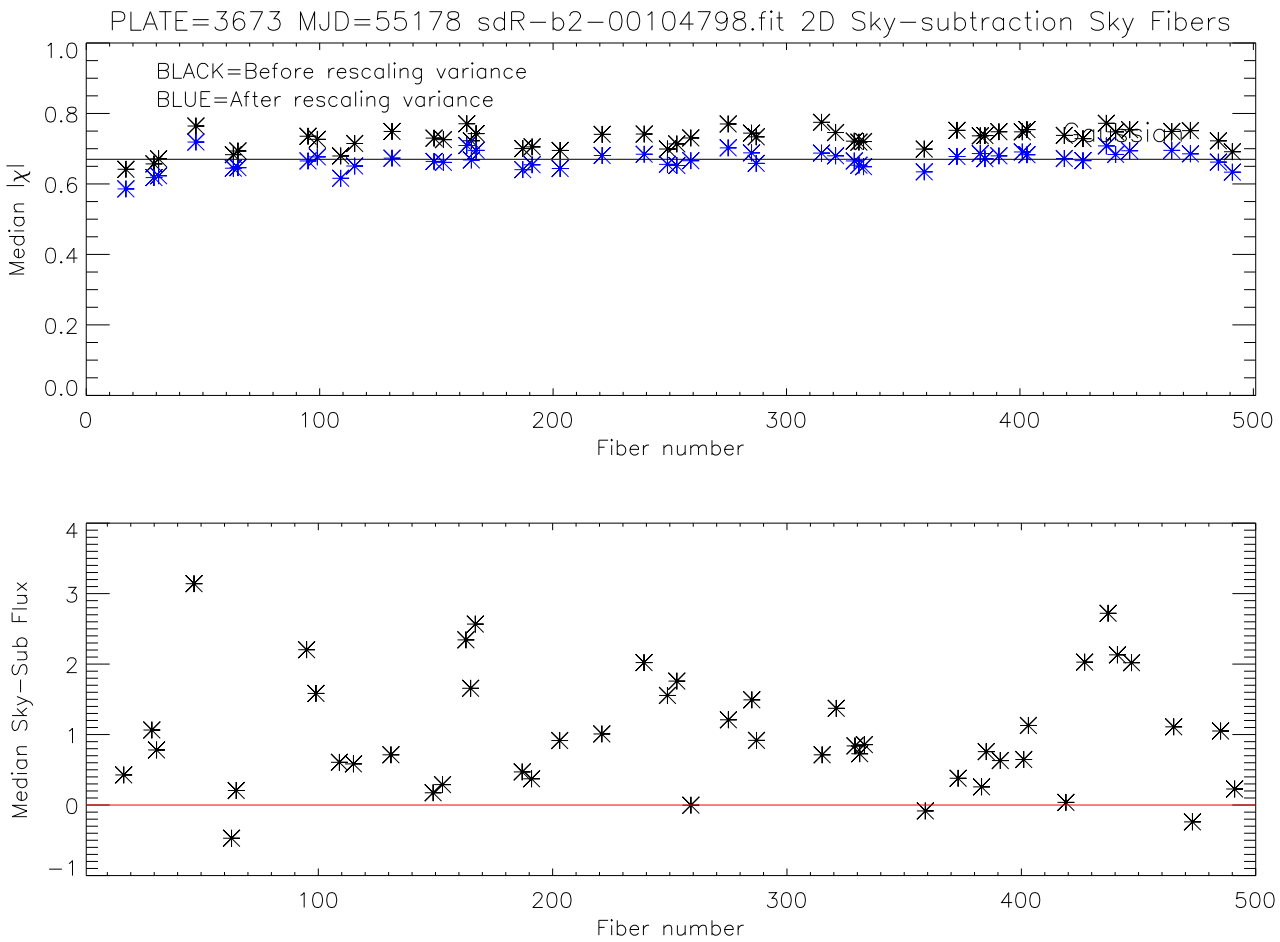

PLATE=3673 MJD=55178 sdR-b2-00104798.fit 1D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number


PLATE=3673 MJD=55178 sdR-b2-00104798.fit 1D Sky-subtraction Sky Fibers
Flux [electrons]
1200
1000
800
600
400
200
0
5570
5575
5580
5585
5590
λ [A]

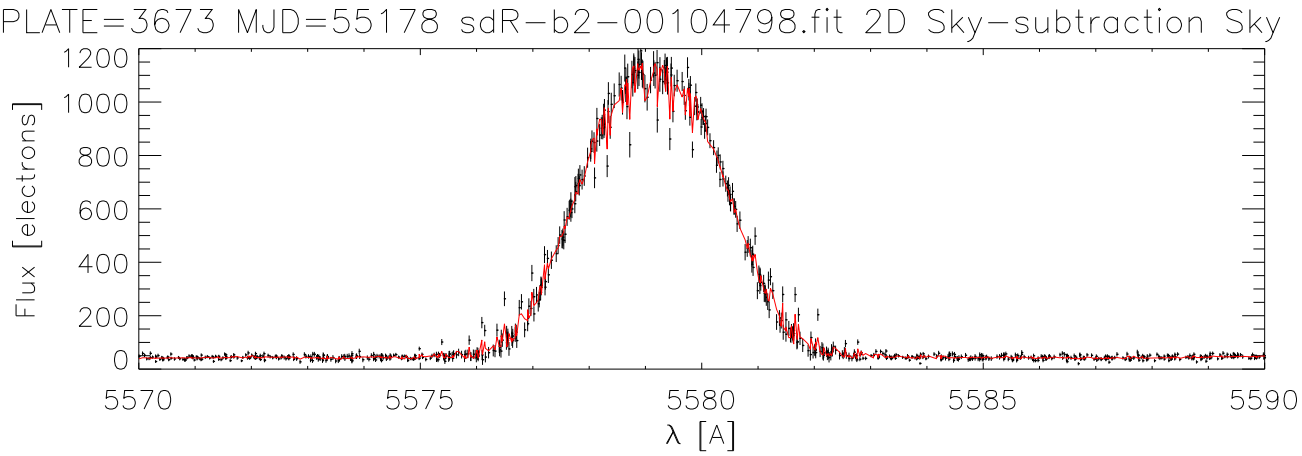

PLATE=3673 MJD=55178 sdR-b2-00104798.fit 1D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
200
100
0
-100
-200
-300
5570
5575
5580
5585
5590
λ [A]

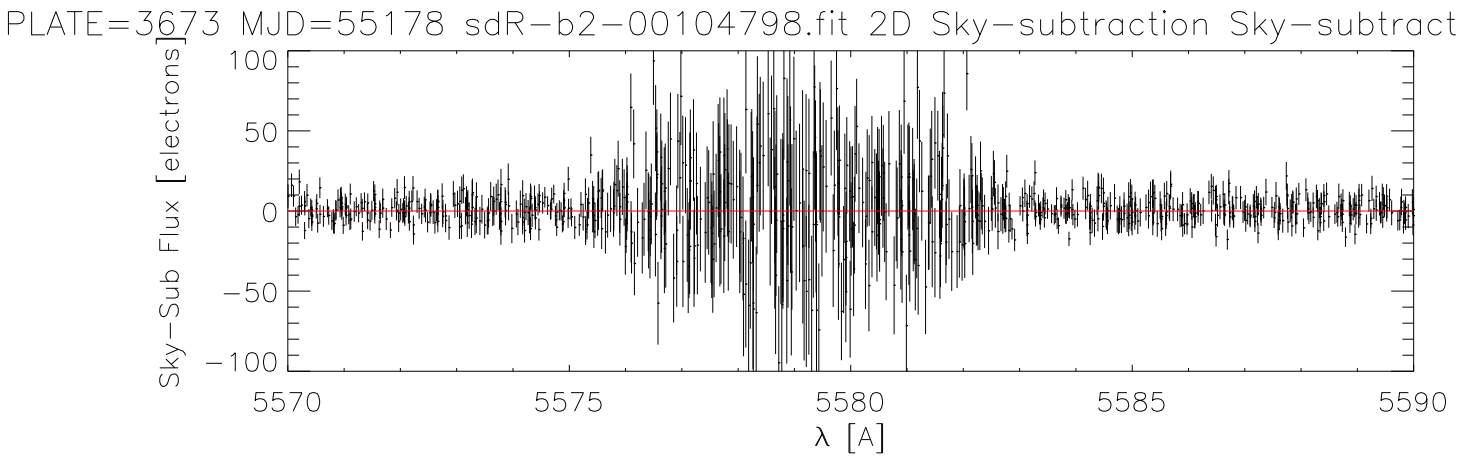
Number of sky fibers = 48



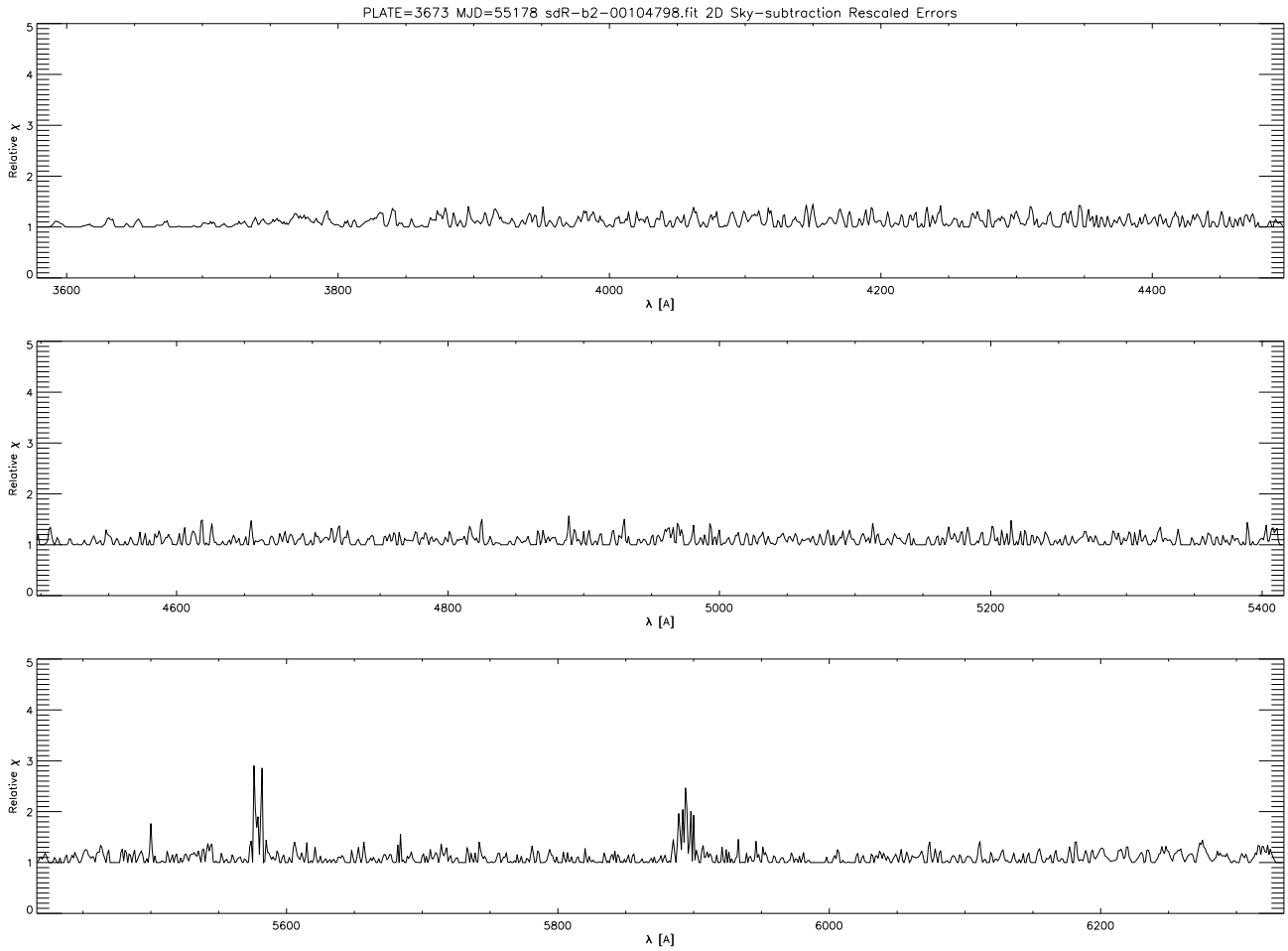

PLATE=3673 MJD=55178 sdR-b2-00104798.fit 2D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Median |χ|
Fiber number

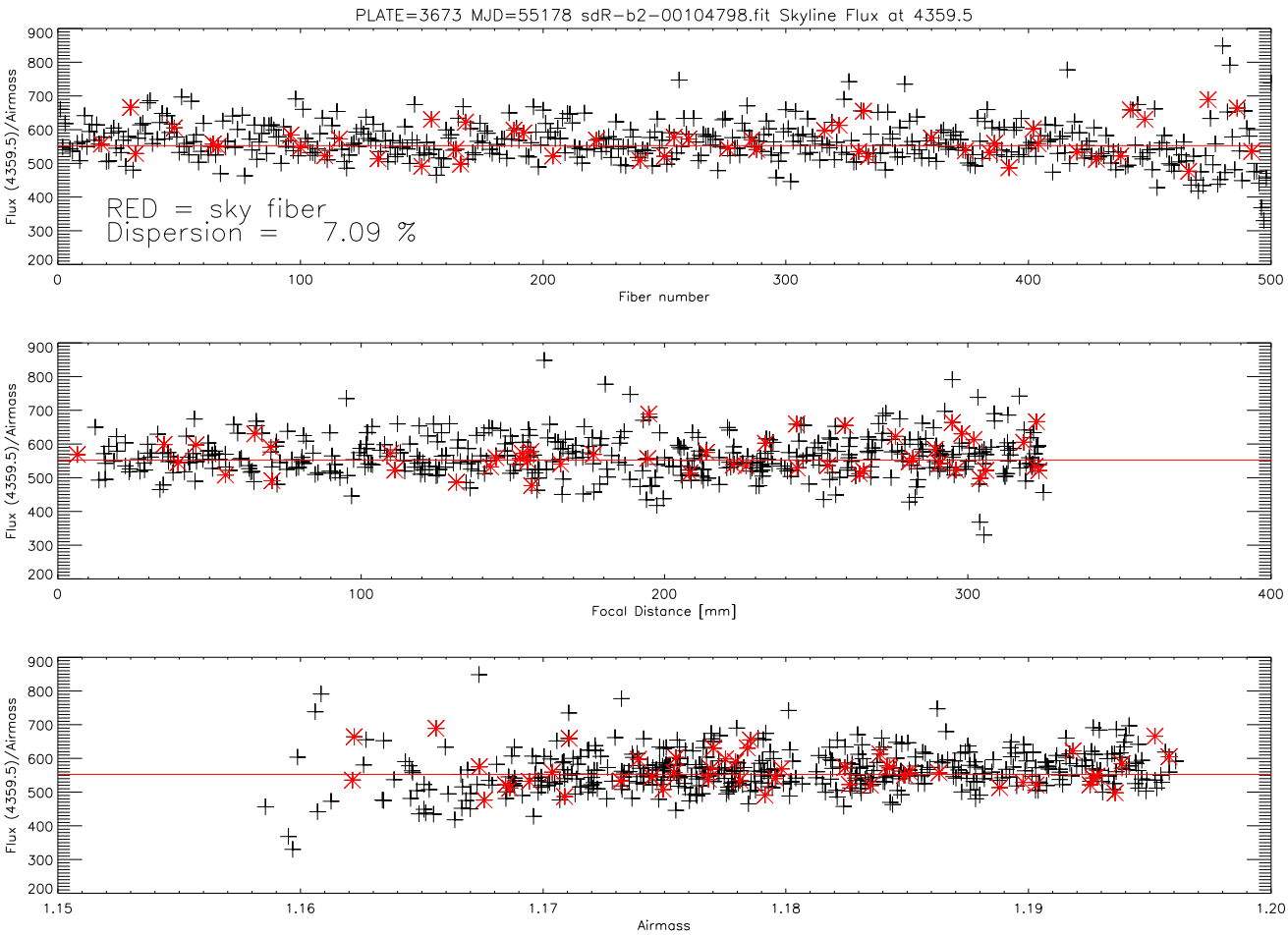
Median Sky-Sub Flux
Fiber number

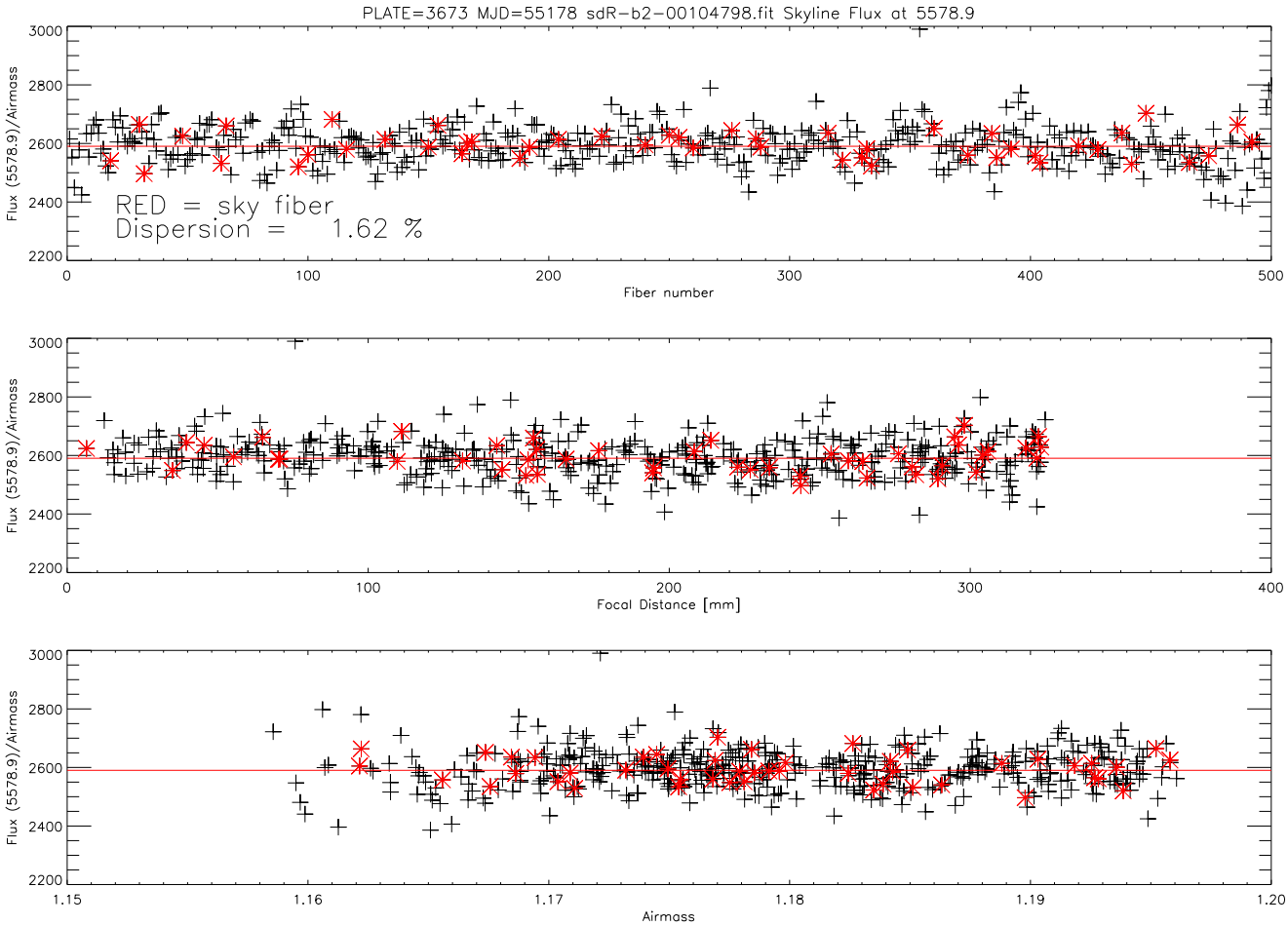

PLATE=3673 MJD=55178 sdR-b2-00104798.fit 2D Sky-subtraction Sky Fibers
Flux [electrons]
1200
1000
800
600
400
200
0
5570
5575
5580
5585
5590
λ [A]

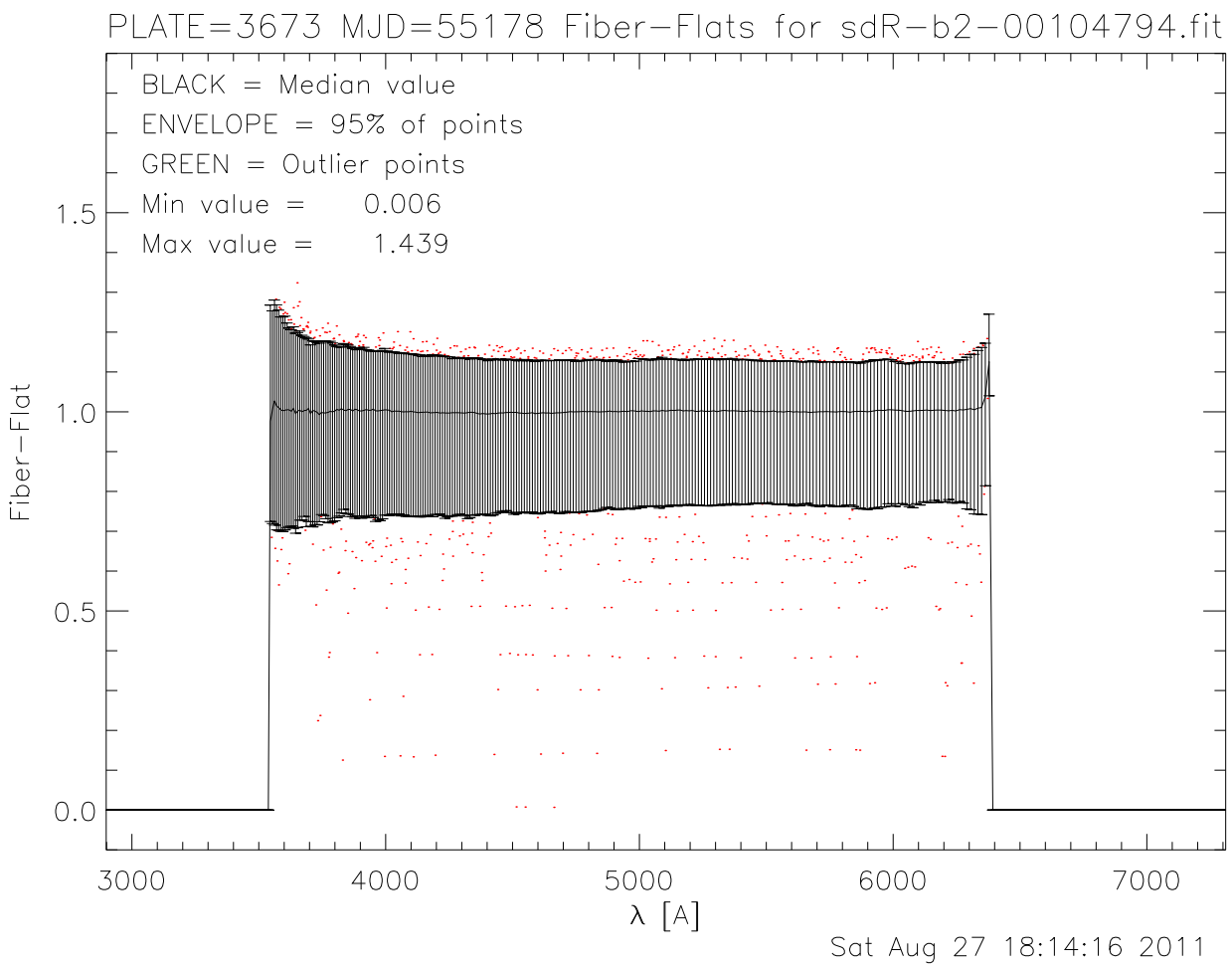

PLATE=3673 MJD=55178 sdR-b2-00104798.fit 2D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
100
50
0
-50
-100
5570
5575
5580
5585
5590
λ [A]

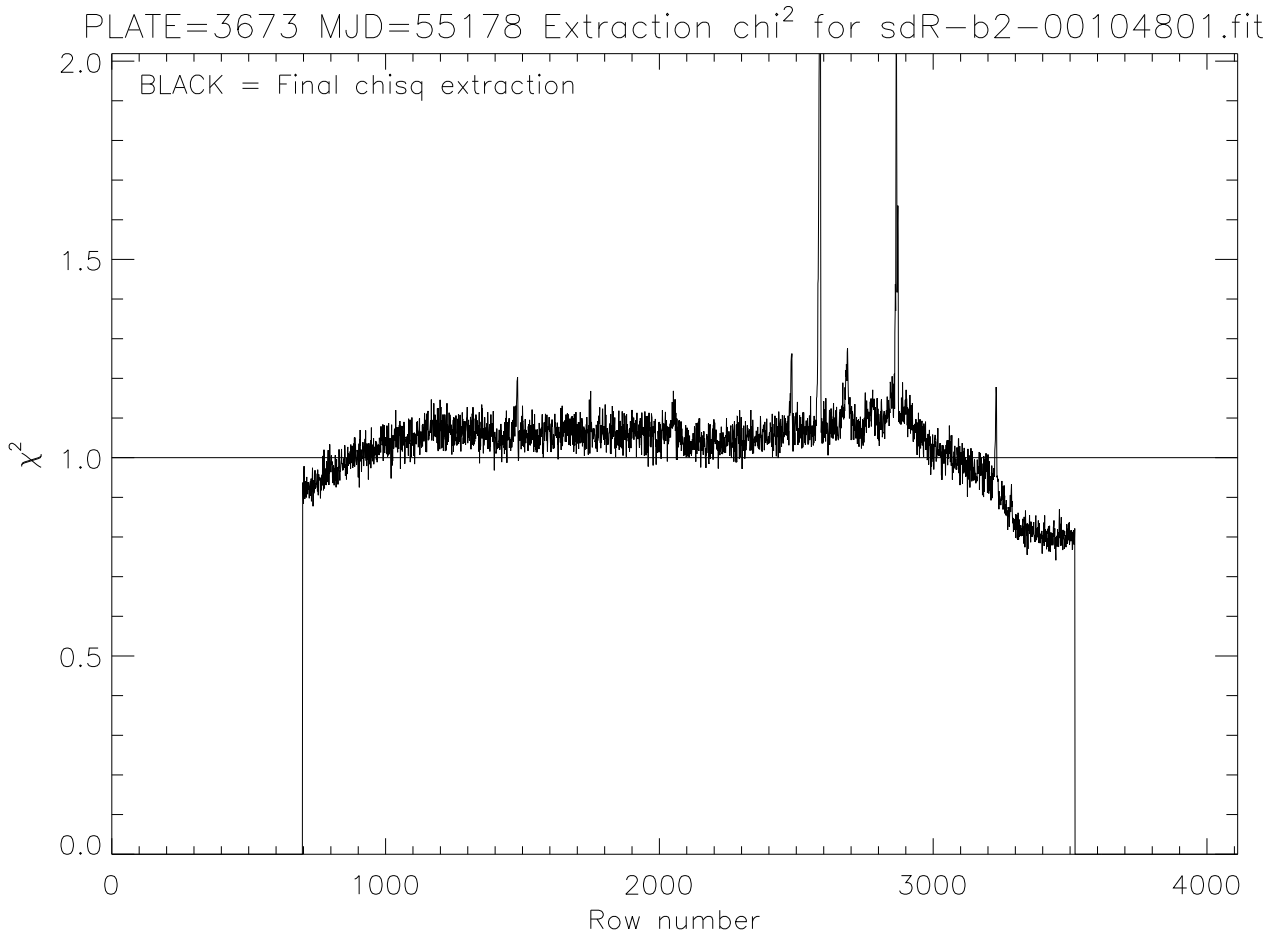
Number of sky fibers = 48

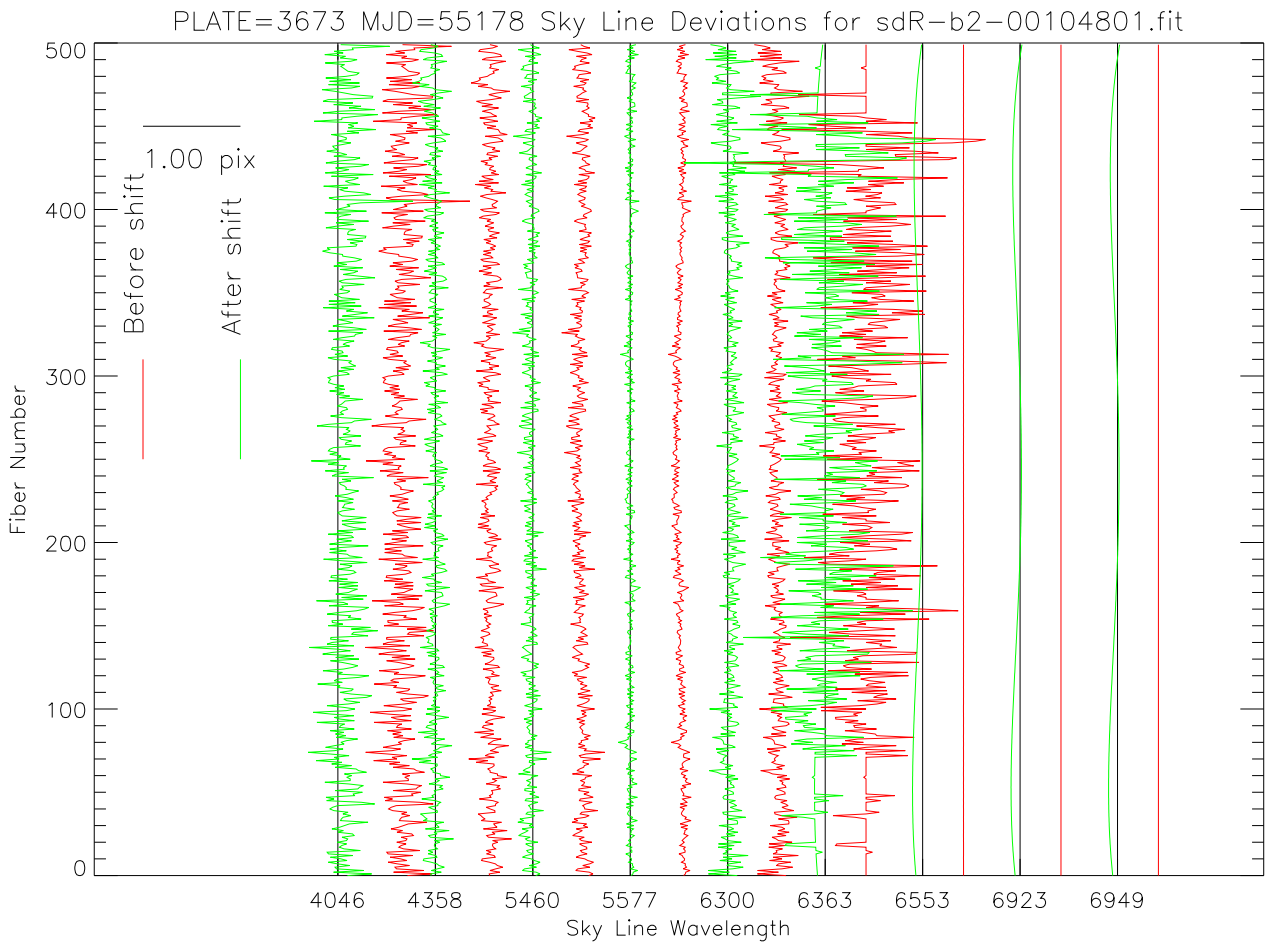


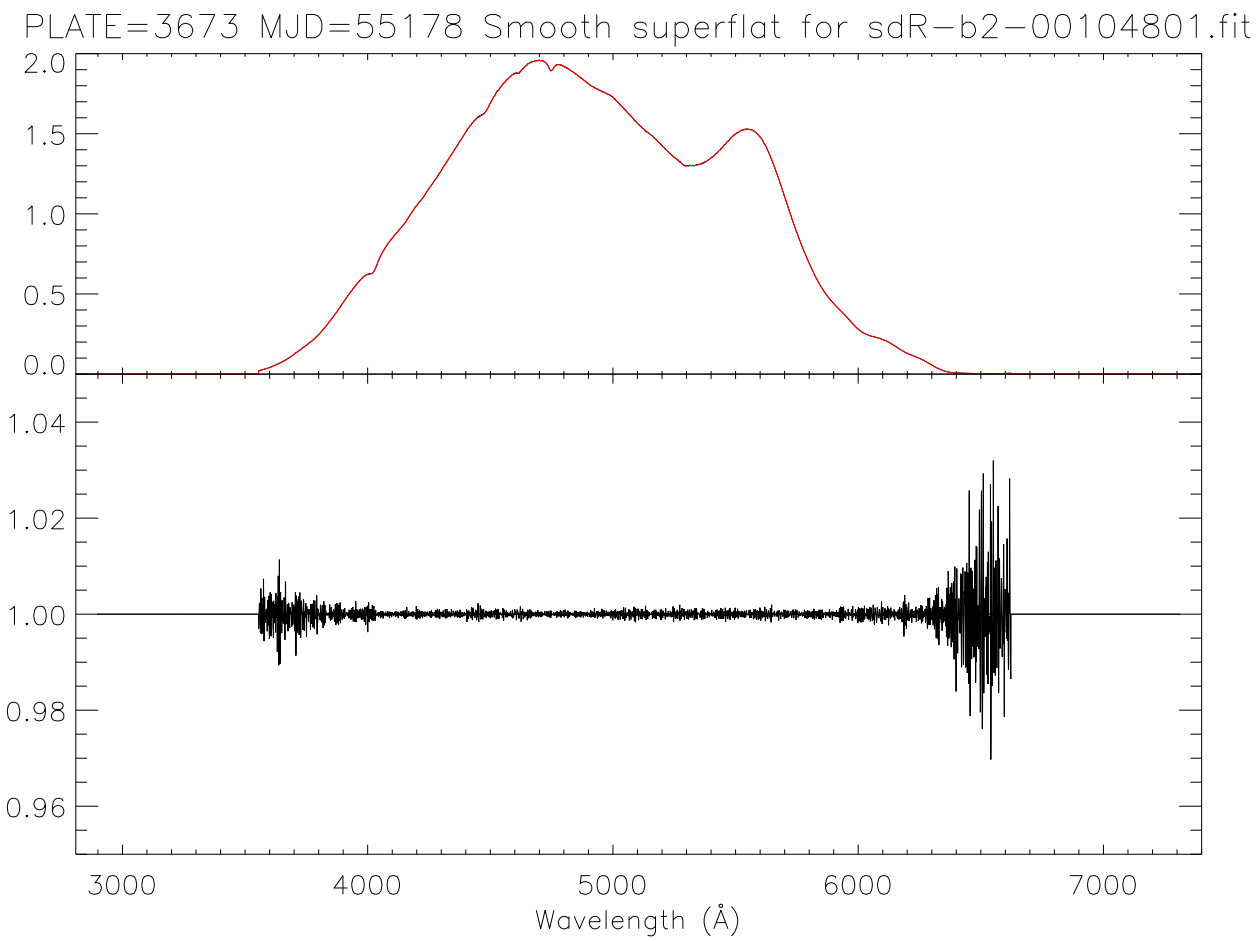

PLATE=3673 MJD=55178 sdR-b2-00104798.fit Skyline Flux at 4359.5
Flux (4359.5)/Airmass
RED = sky fiber
Dispersion = 7.09 %
Fiber number
Flux (4359.5)/Airmass
Focal Distance [mm]
Flux (4359.5)/Airmass
Airmass

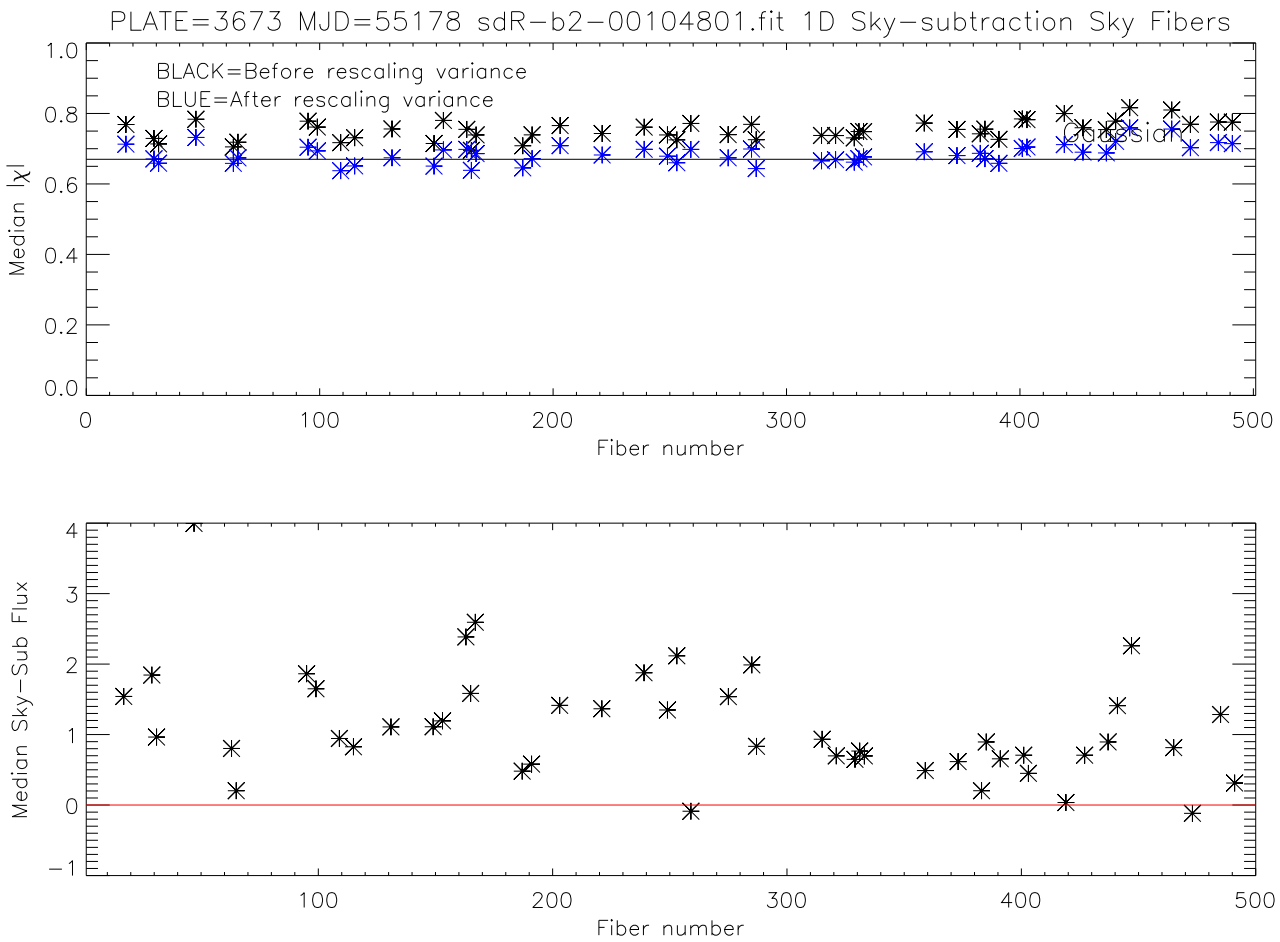

PLATE=3673 MJD=55178 sdR-b2-00104798.fit Skyline Flux at 5578.9
Flux (5578.9)/Airmass
RED = sky fiber
Dispersion = 1.62 %
Fiber number
Flux (5578.9)/Airmass
Focal Distance [mm]
Flux (5578.9)/Airmass
Airmass


PLATE=3673 MJD=55178 Fiber−Flats for sdR−b2−00104794.fit
BLACK = Median value
ENVELOPE = 95% of points
GREEN = Outlier points
Min value = 0.006
Max value = 1.439
Fiber−Flat
1.5
1.0
0.5
0.0
3000
4000
5000
6000
7000
λ [A]
Sat Aug 27 18:14:16 2011

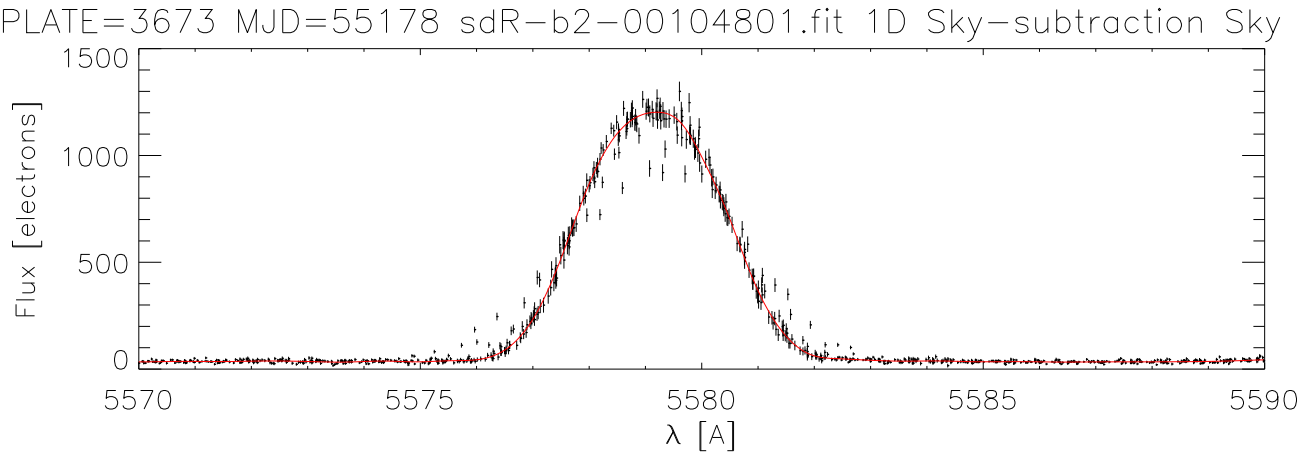

PLATE=3673 MJD=55178 Extraction chi^2 for sdR-b2-00104801.fit
BLACK = Final chisq extraction
χ^2
2.0
1.5
1.0
0.5
0.0
0
1000
2000
3000
4000
Row number

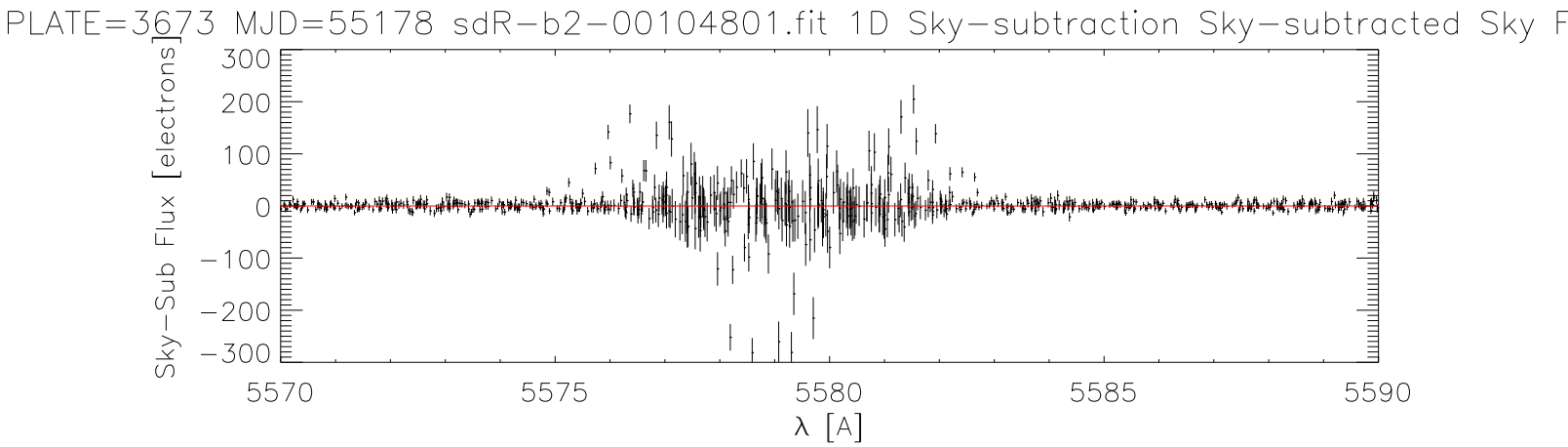

PLATE=3673 MJD=55178 Sky Line Deviations for sdR-b2-00104801.fit
1.00 pix
Before shift
After shift
Fiber Number
0
100
200
300
400
500
4046
4358
5460
5577
6300
6363
6553
6923
6949
Sky Line Wavelength


PLATE=3673 MJD=55178 Smooth superflat for sdR-b2-00104801.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)

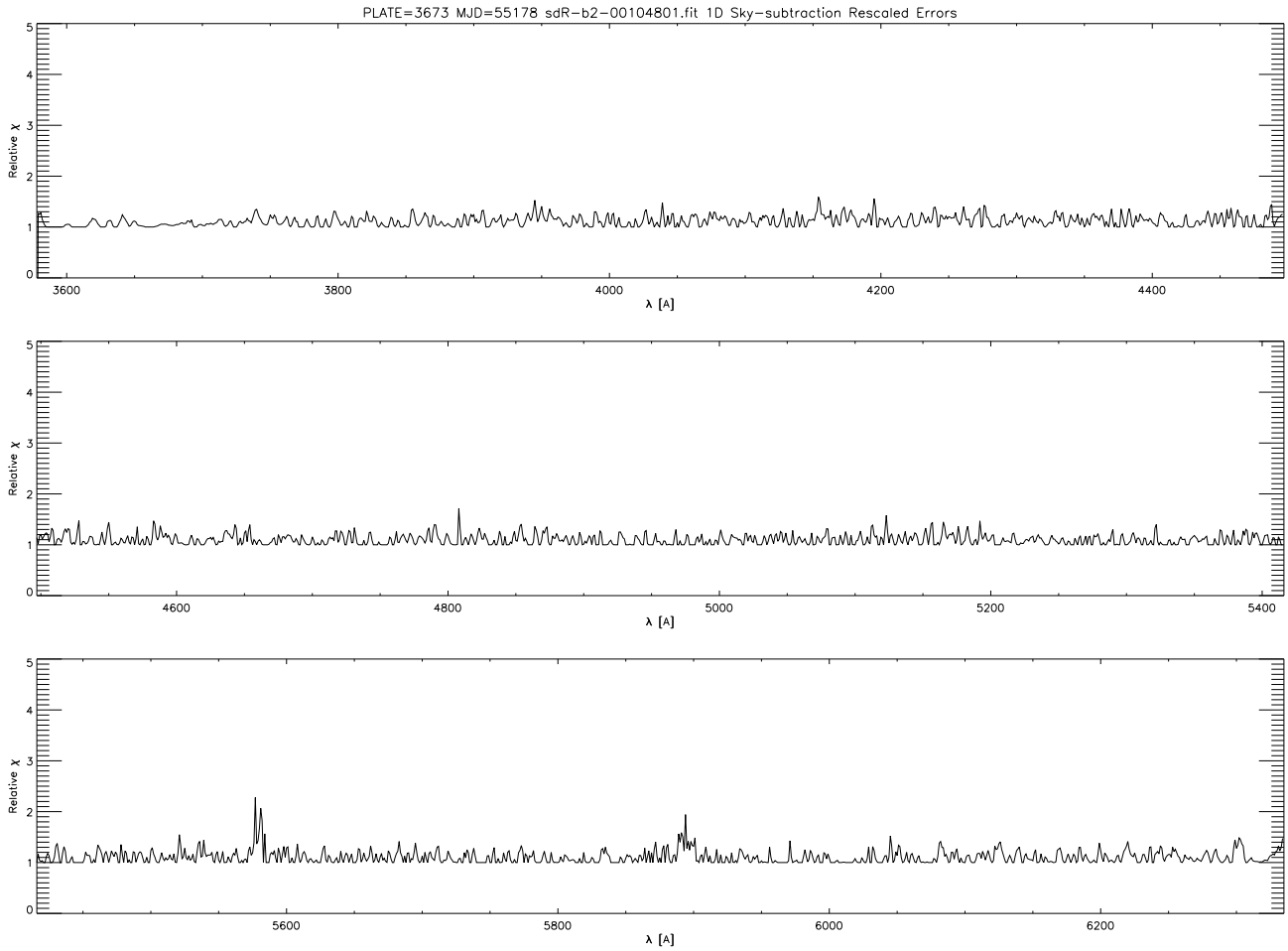

PLATE=3673 MJD=55178 sdR-b2-00104801.fit 1D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Median |χ|
Fiber number

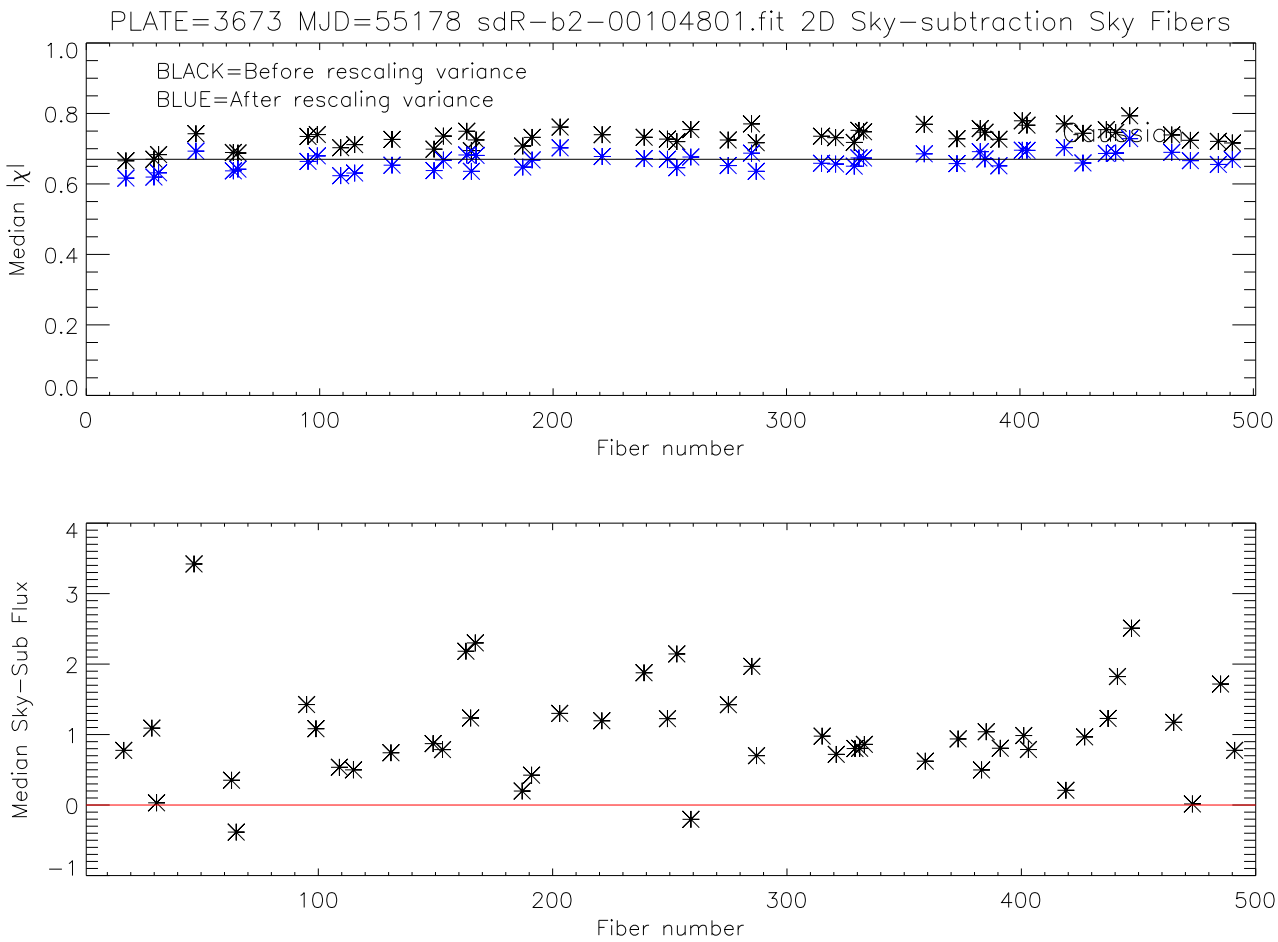
Median Sky-Sub Flux
Fiber number

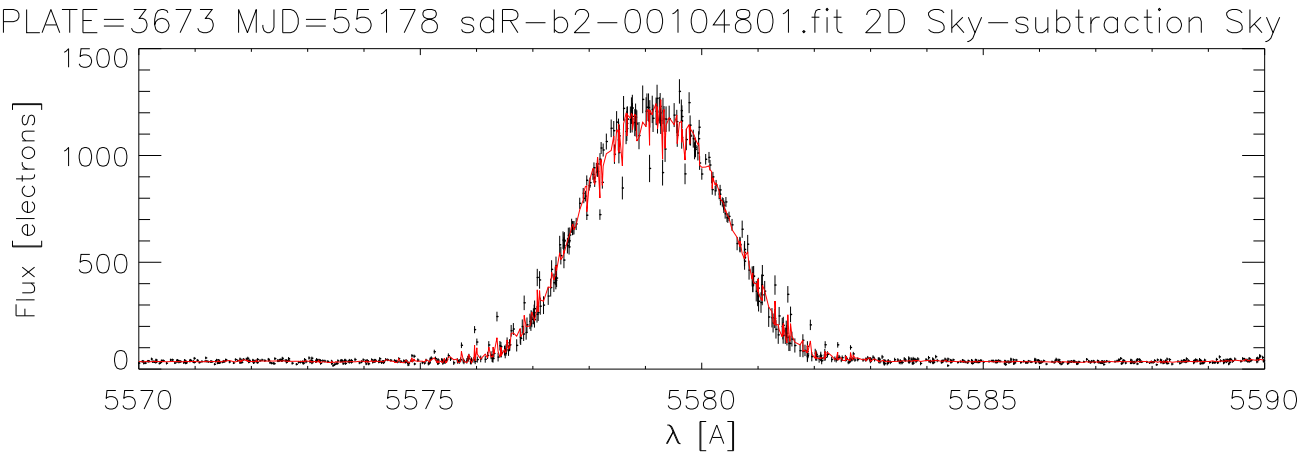

PLATE=3673 MJD=55178 sdR-b2-00104801.fit 1D Sky-subtraction Sky Fibers
Flux [electrons]
1500
1000
500
0
5570
5575
5580
5585
5590
λ [A]

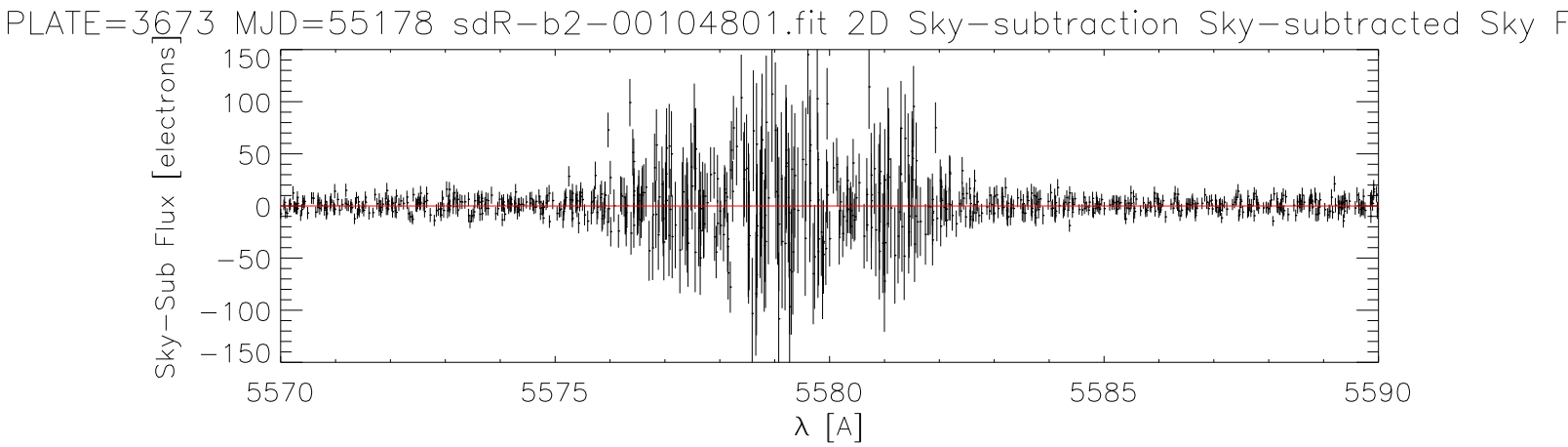

PLATE=3673 MJD=55178 sdR-b2-00104801.fit 1D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
300
200
100
0
-100
-200
-300
5570
5575
5580
5585
5590
λ [A]

Number of sky fibers = 48

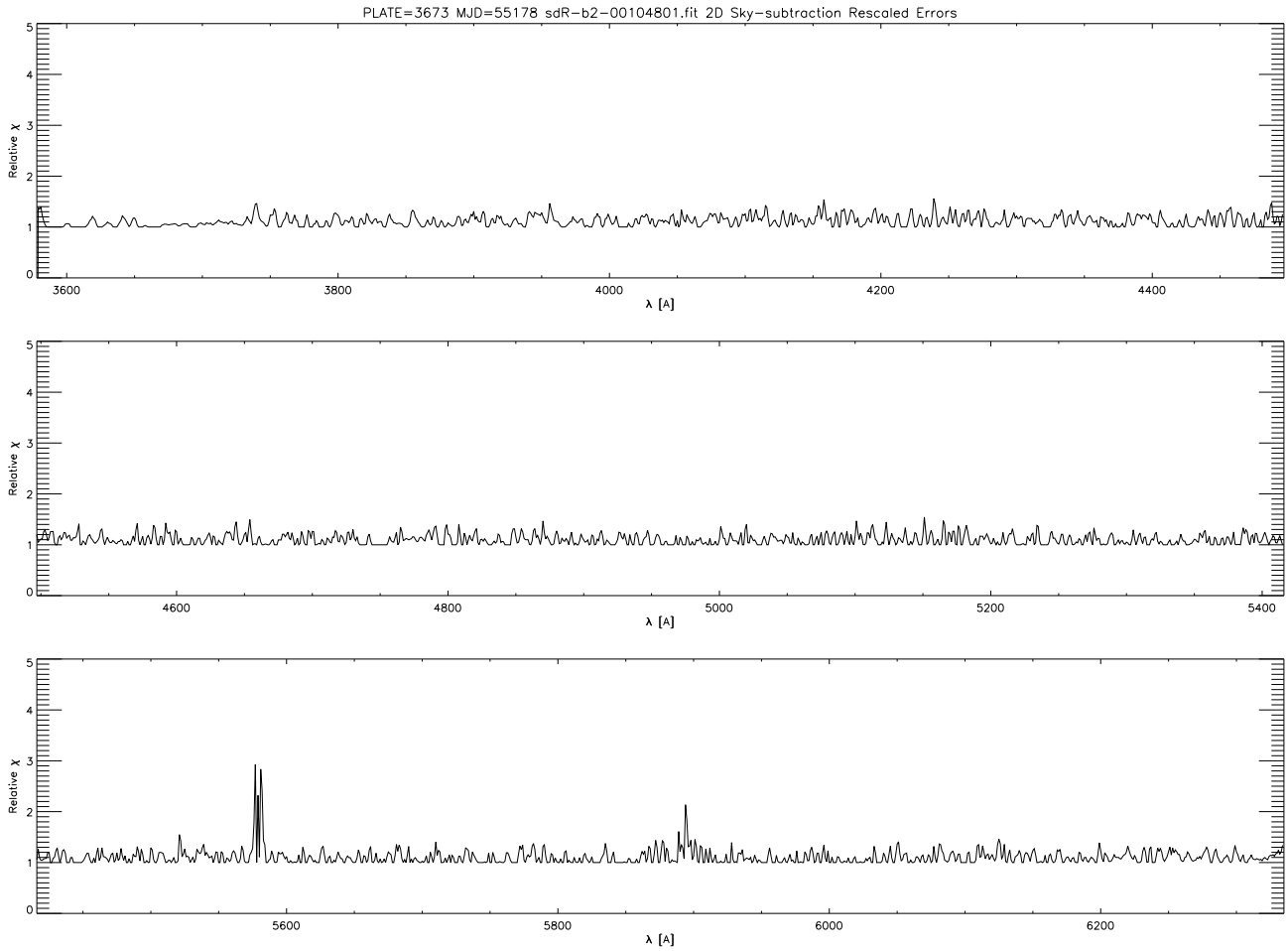


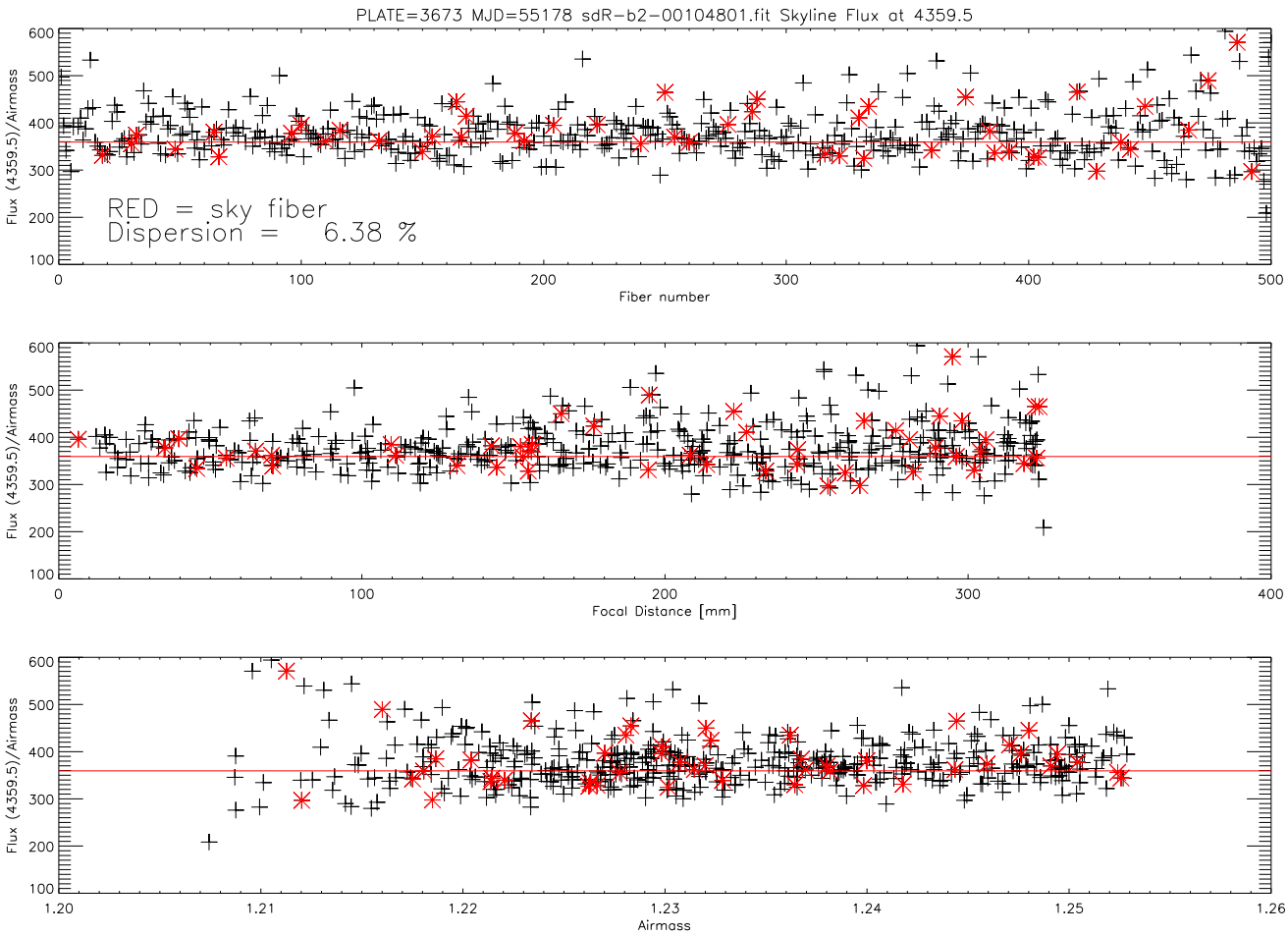

PLATE=3673 MJD=55178 sdR-b2-00104801.fit 2D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

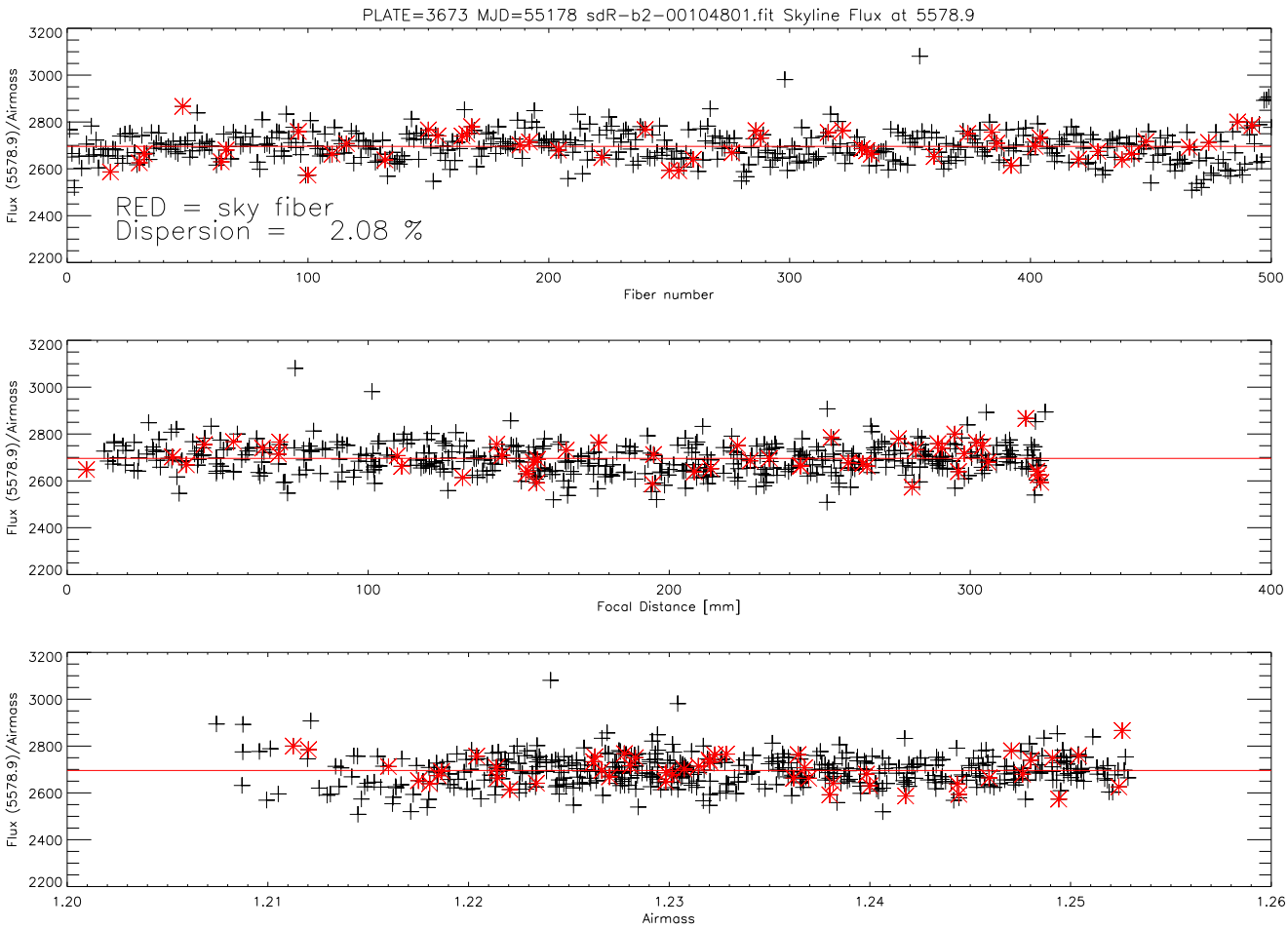

PLATE=3673 MJD=55178 sdR-b2-00104801.fit 2D Sky-subtraction Sky Fibers
Flux [electrons]
1500
1000
500
0
5570
5575
5580
5585
5590
λ [A]


PLATE=3673 MJD=55178 sdR-b2-00104801.fit 2D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
150
100
50
0
-50
-100
-150
5570
5575
5580
5585
5590
λ [A]

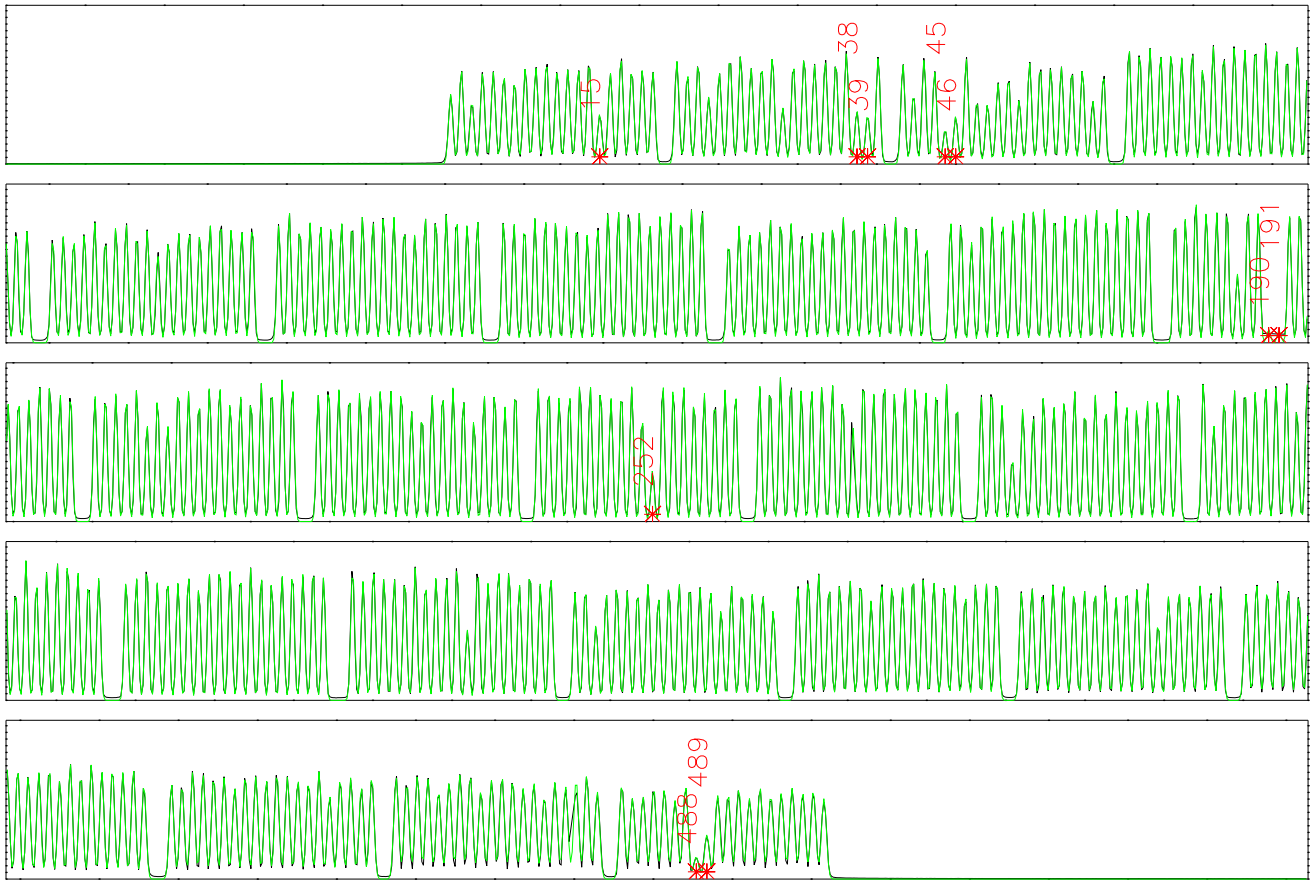
Number of sky fibers = 48



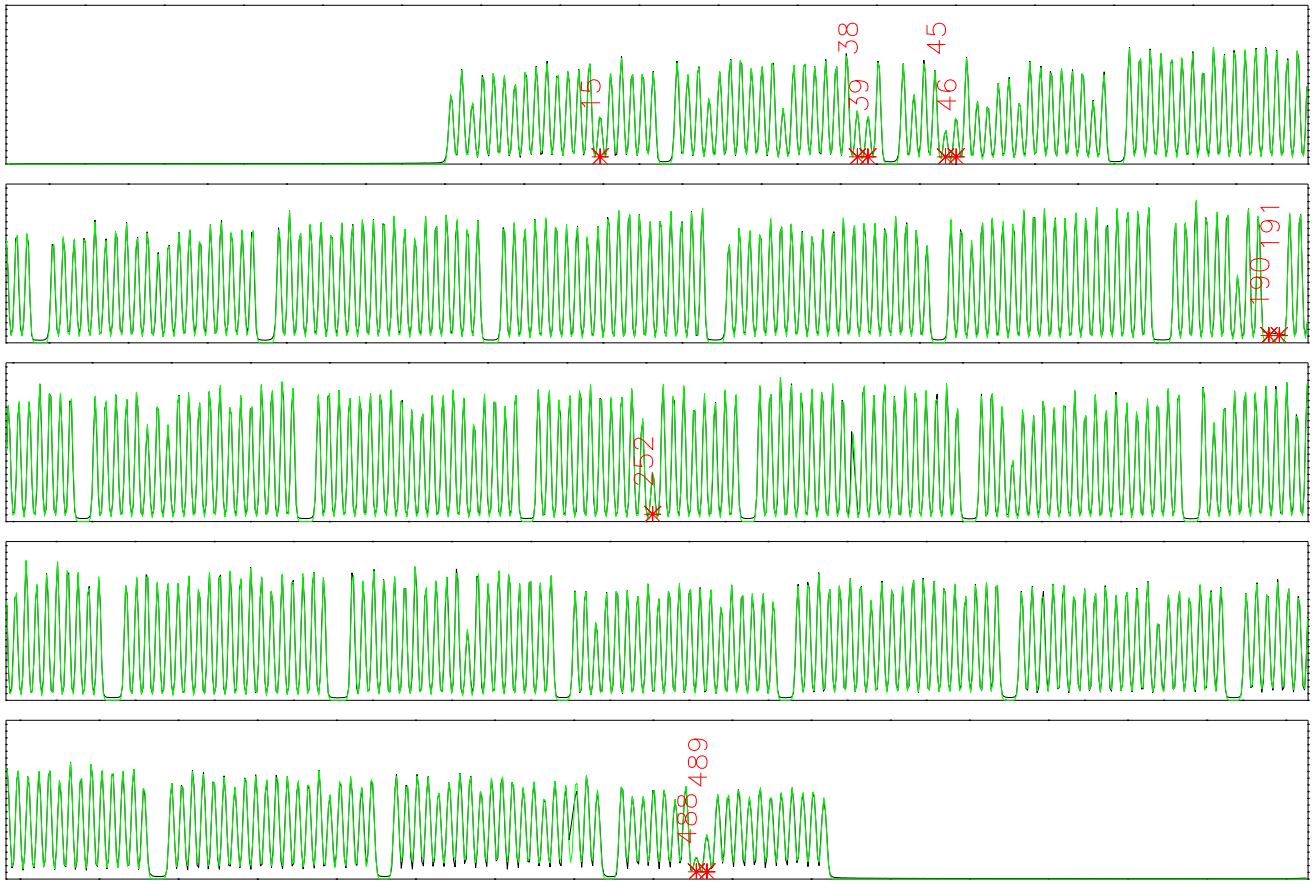

PLATE=3673 MJD=55178 sdR-b2-00104801.fit Skyline Flux at 4359.5
Flux (4359.5)/Airmass
RED = sky fiber
Dispersion = 6.38 %
Fiber number
Flux (4359.5)/Airmass
Focal Distance [mm]
Flux (4359.5)/Airmass
Airmass


PLATE=3673 MJD=55178 sdR-b2-00104801.fit Skyline Flux at 5578.9
Flux (5578.9)/Airmass
RED = sky fiber
Dispersion = 2.08 %
Fiber number
Flux (5578.9)/Airmass
Focal Distance [mm]
Flux (5578.9)/Airmass
Airmass

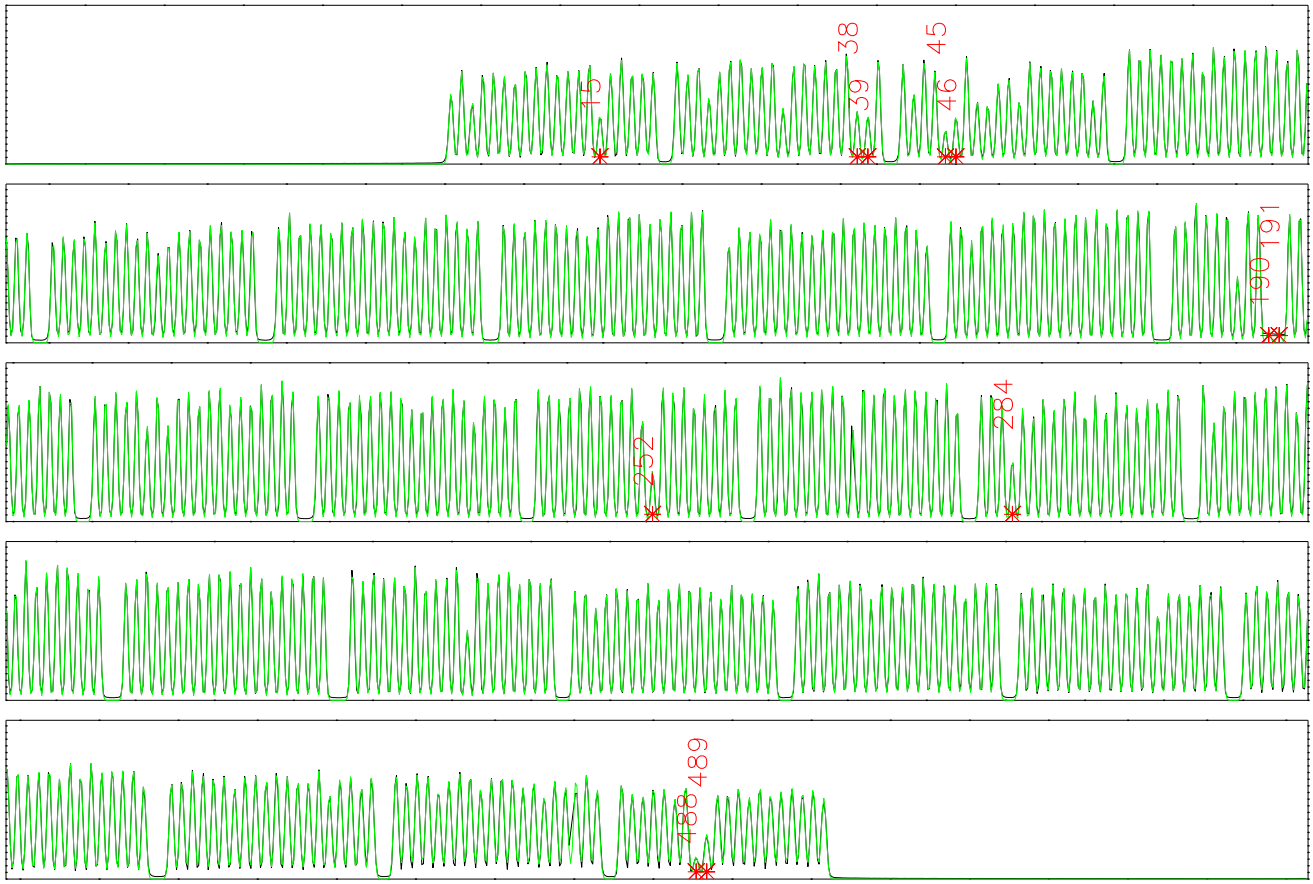
PLATE=3673 MJD=55178 Traces sdR-r1-00104788.fit

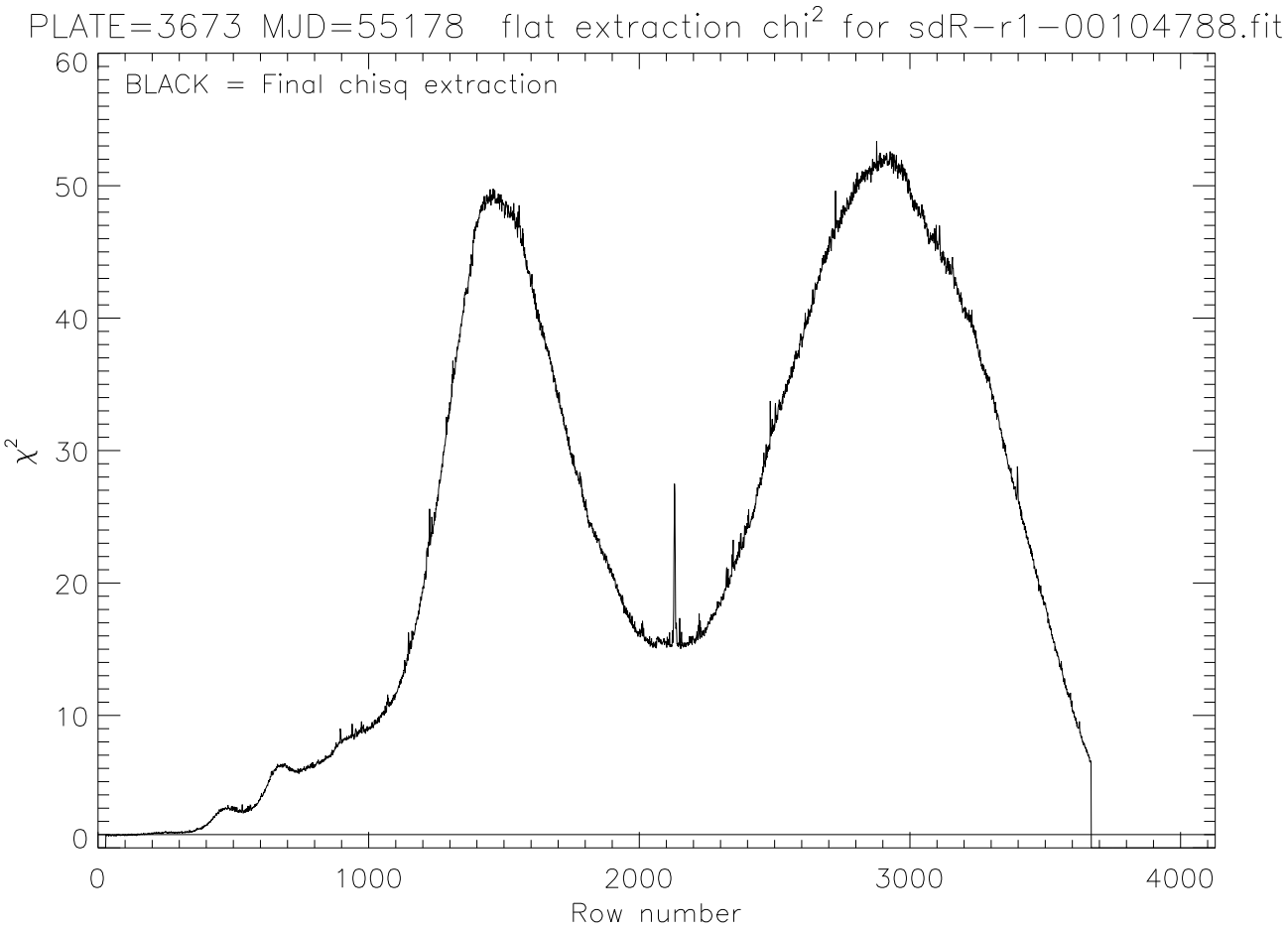


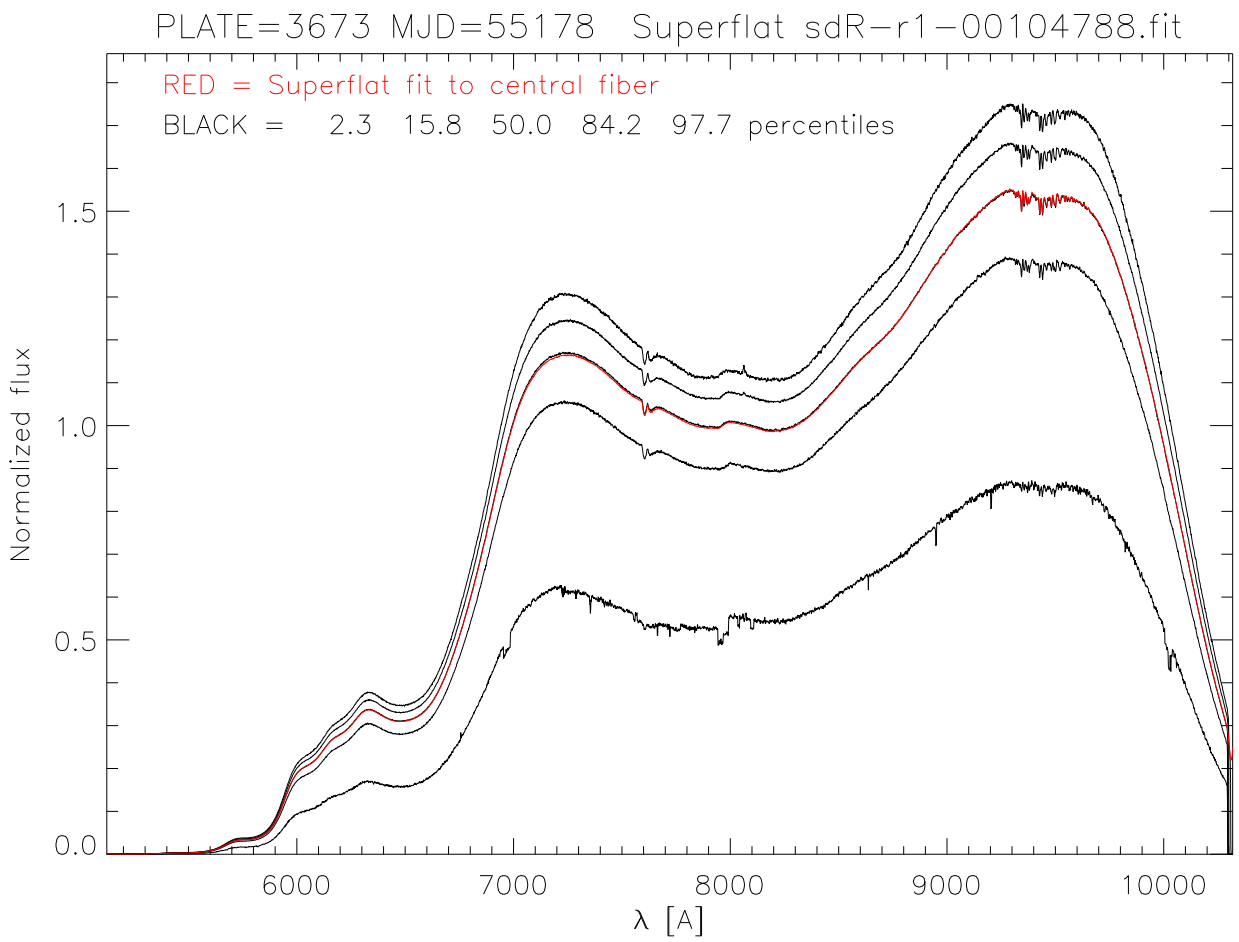
PLATE=3673 MJD=55178 Traces sdR-r1-00104794.fit

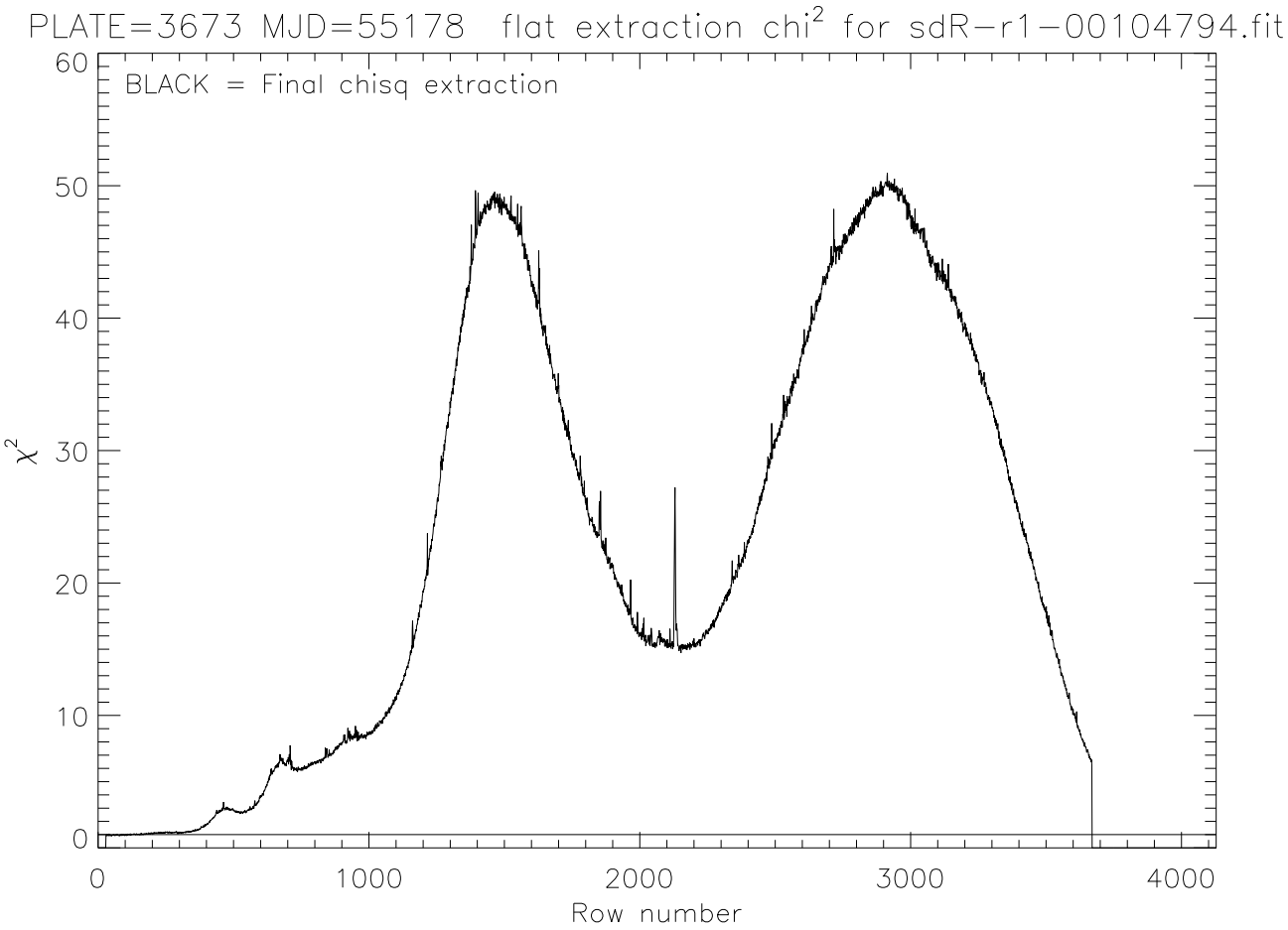


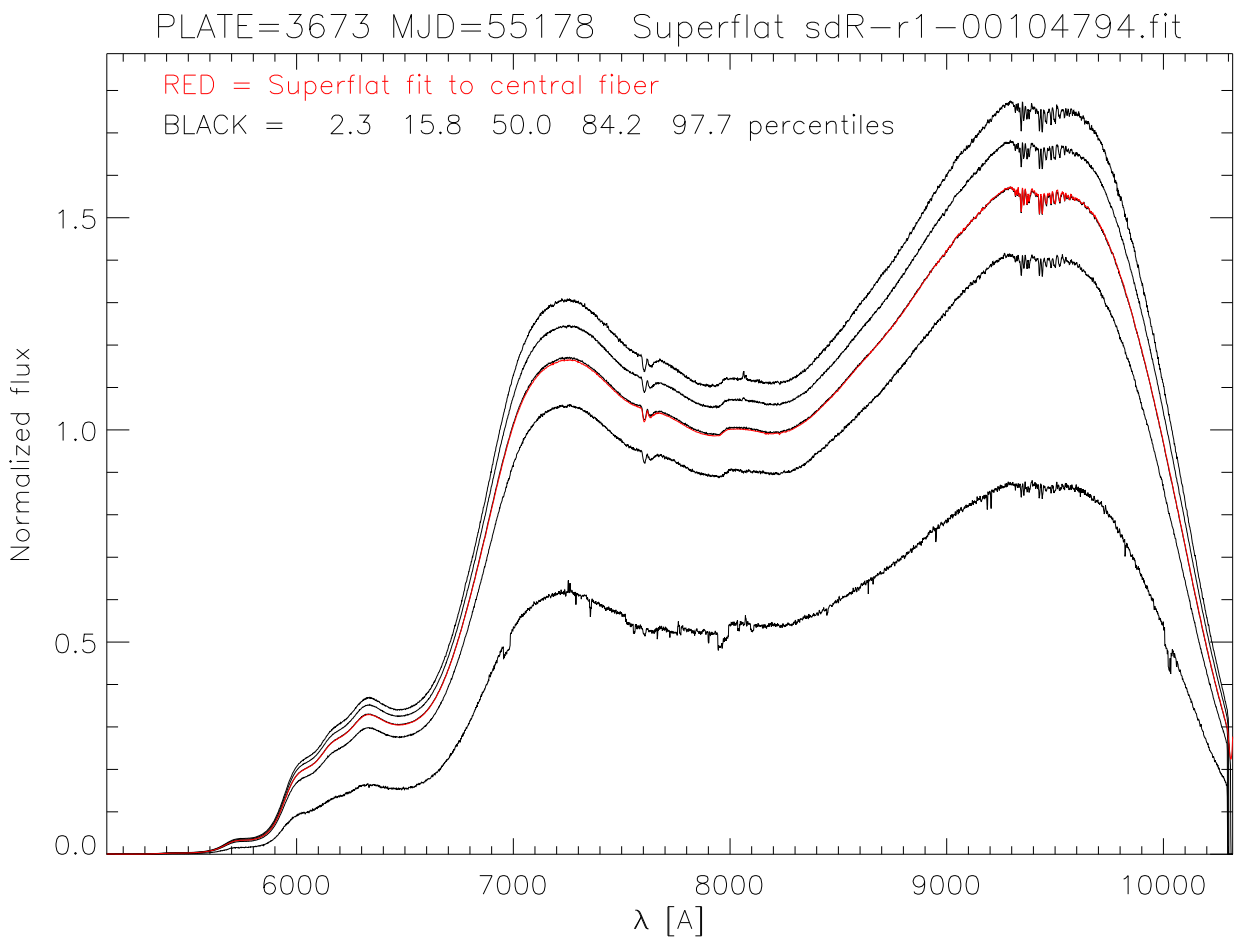
PLATE=3673 MJD=55178 Traces sdR-r1-00104799.fit

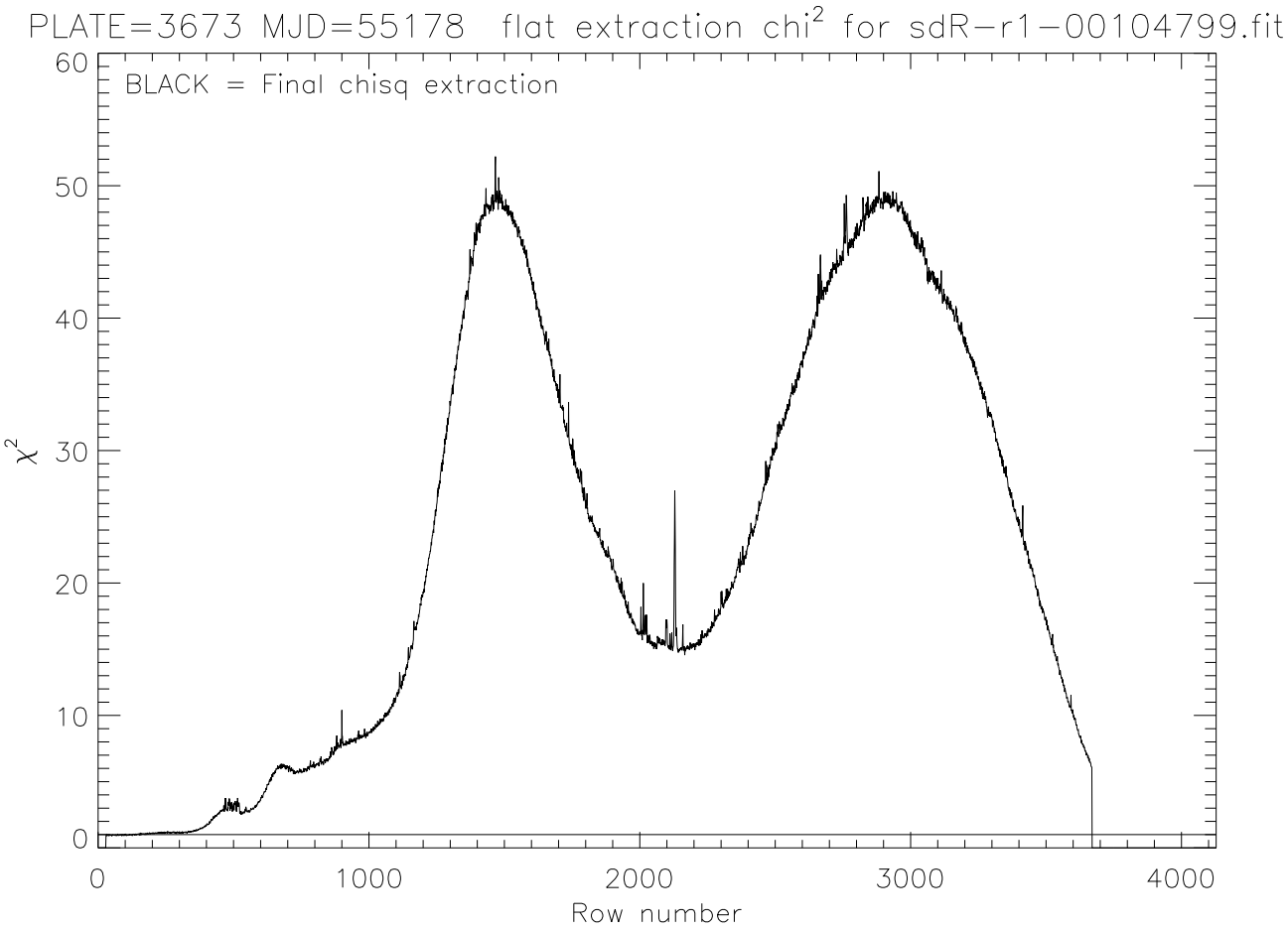


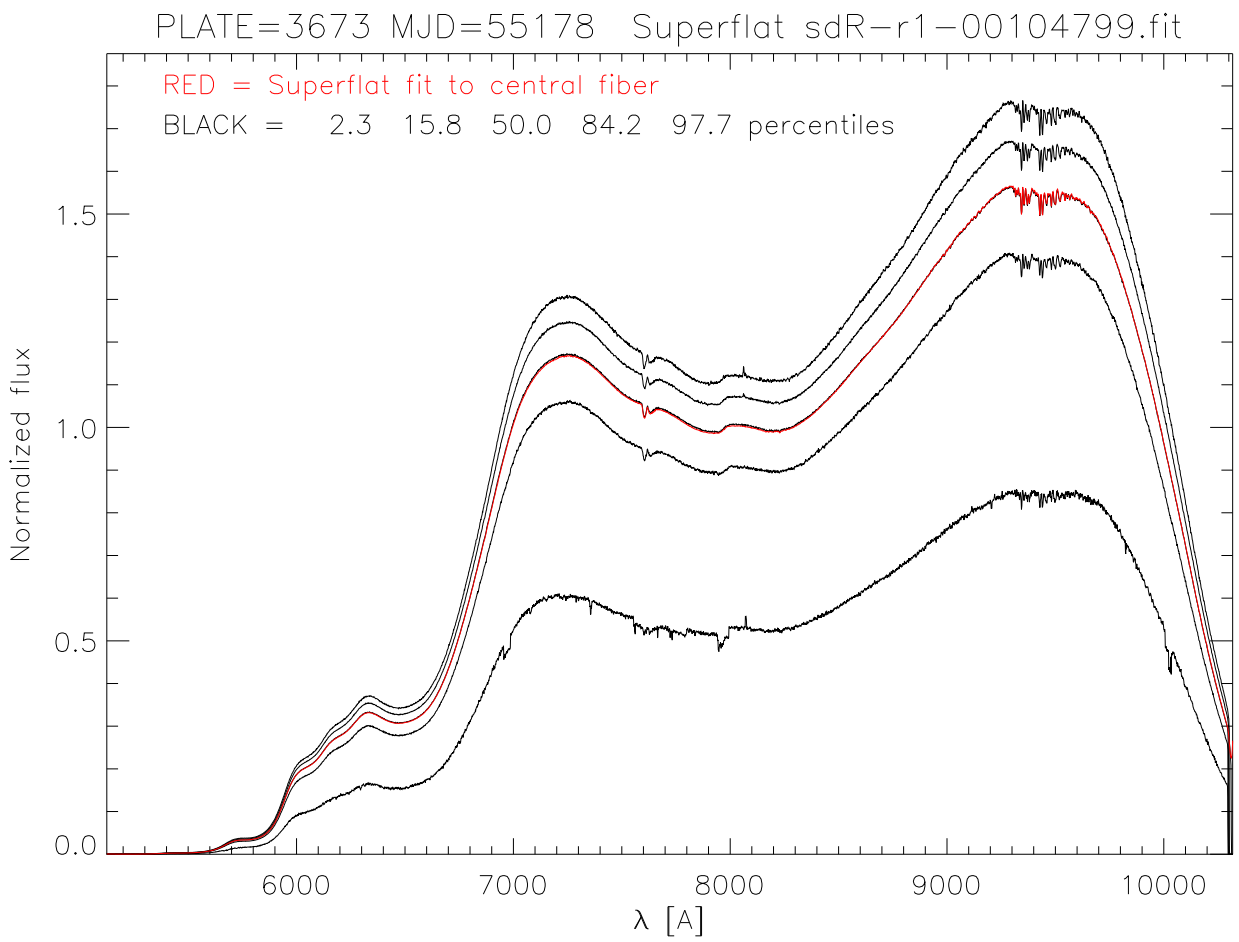

PLATE=3673 MJD=55178 flat extraction chi^2 for sdR−r1−00104788.fit
BLACK = Final chisq extraction
χ^2
Row number
0
10
20
30
40
50
60
0
1000
2000
3000
4000

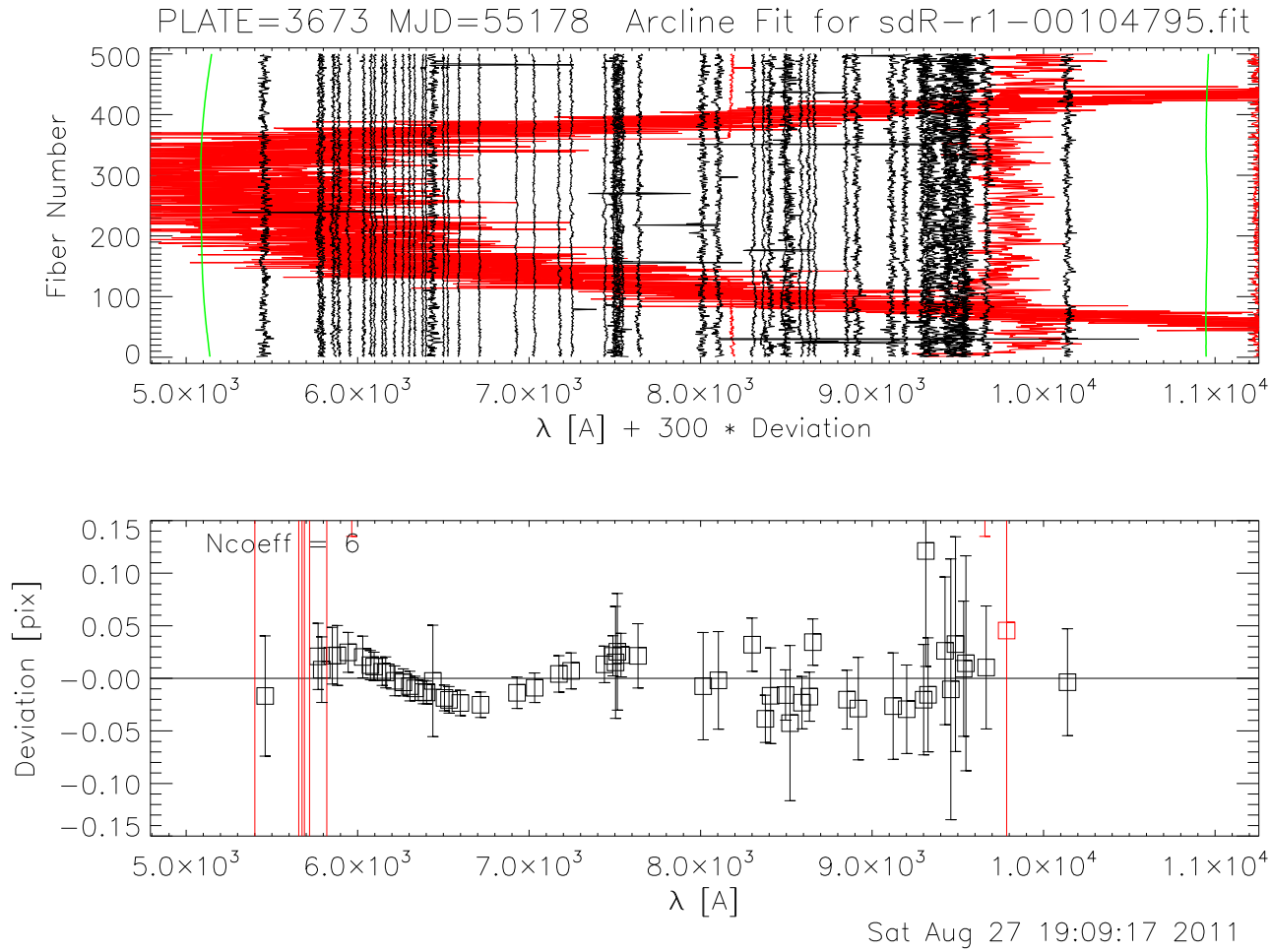

PLATE=3673 MJD=55178 Superflat sdR-r1-00104788.fit
RED = Superflat fit to central fiber
BLACK = 2.3 15.8 50.0 84.2 97.7 percentiles
Normalized flux
0.0
0.5
1.0
1.5
6000
7000
8000
9000
10000
λ [A]

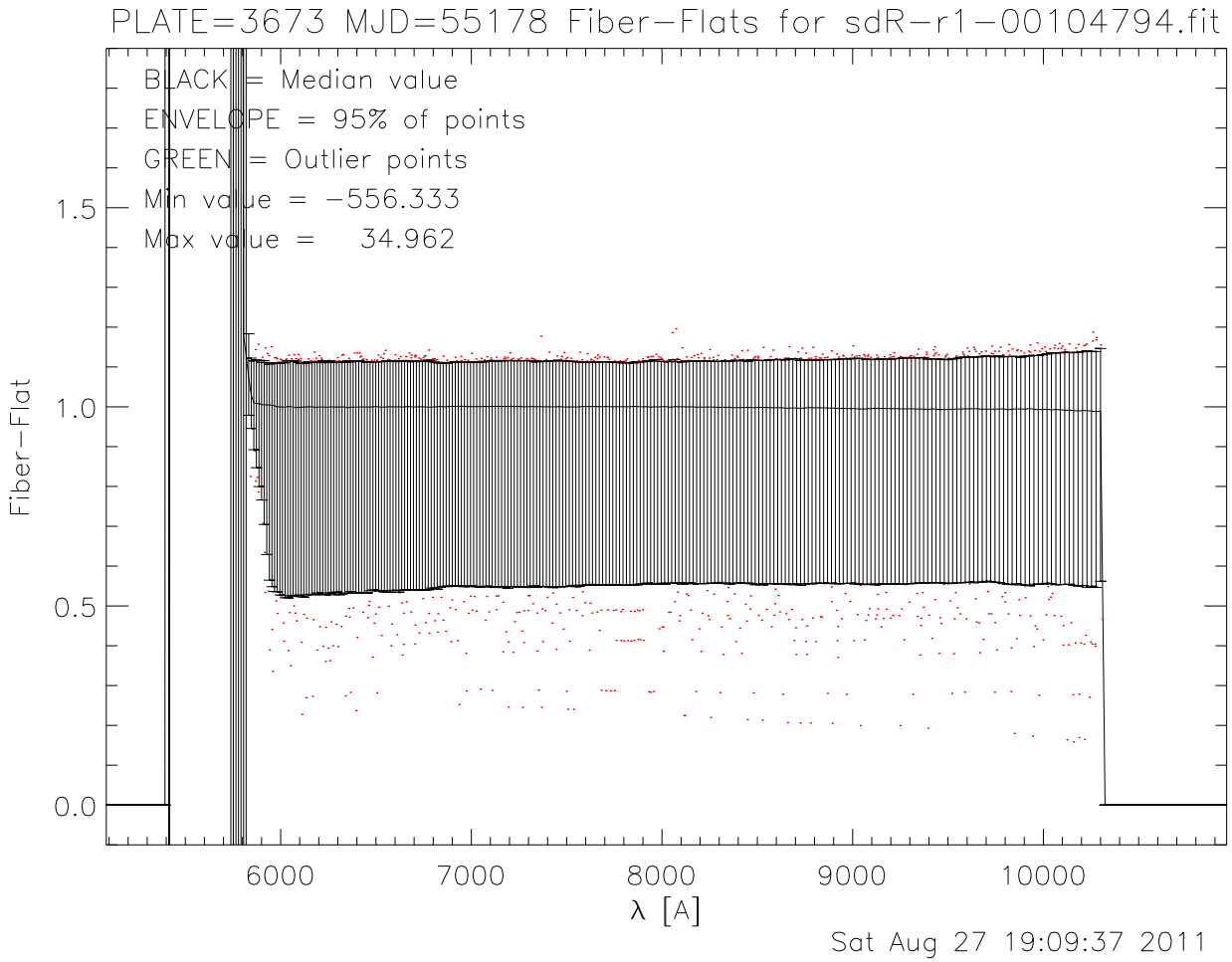

PLATE=3673 MJD=55178 flat extraction chi^2 for sdR−r1−00104794.fit
BLACK = Final chisq extraction
χ^2
Row number
0
10
20
30
40
50
60
0
1000
2000
3000
4000

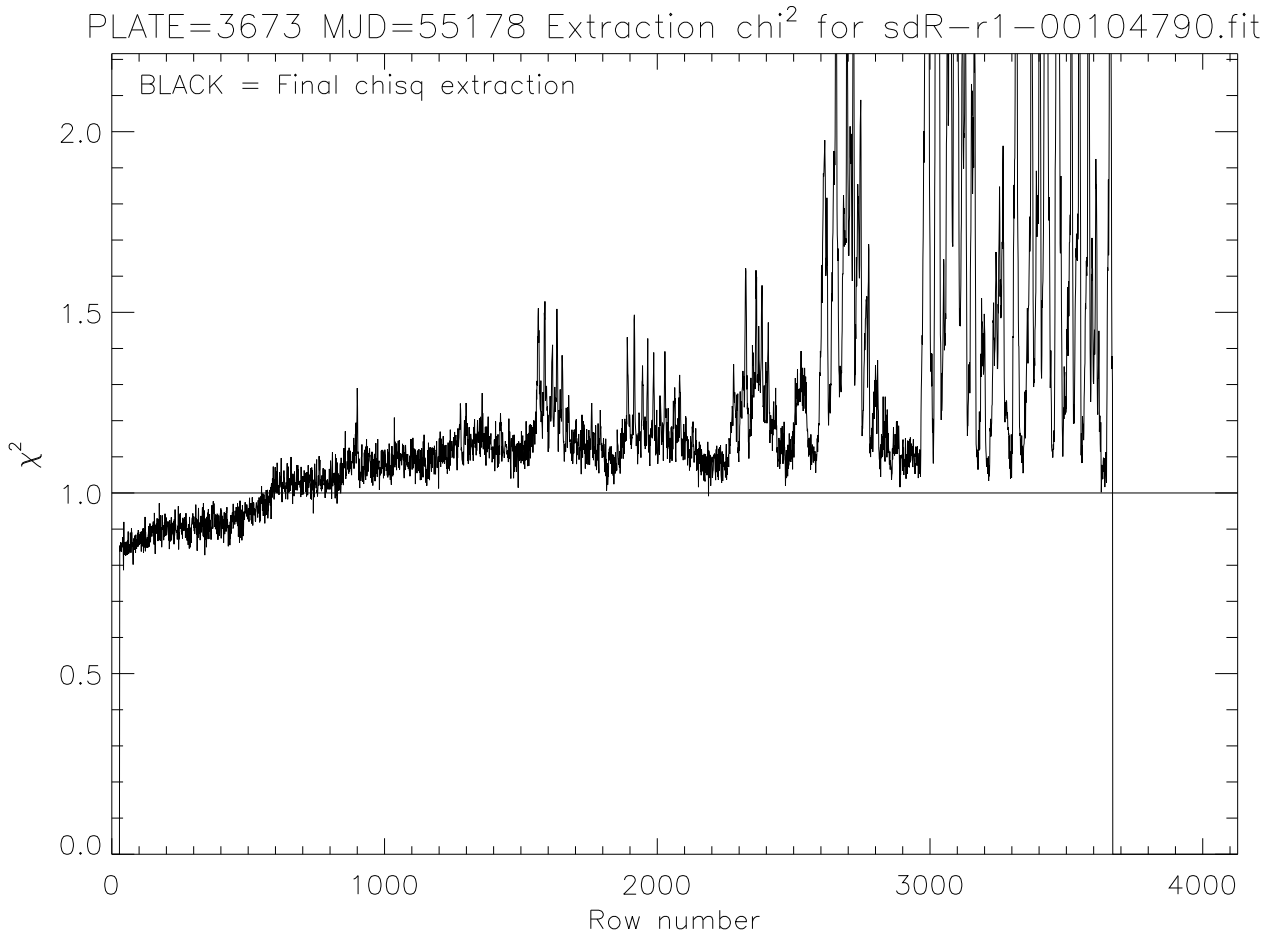

PLATE=3673 MJD=55178 Superflat sdR-r1-00104794.fit
RED = Superflat fit to central fiber
BLACK = 2.3 15.8 50.0 84.2 97.7 percentiles
Normalized flux
0.0
0.5
1.0
1.5
6000
7000
8000
9000
10000
λ [A]

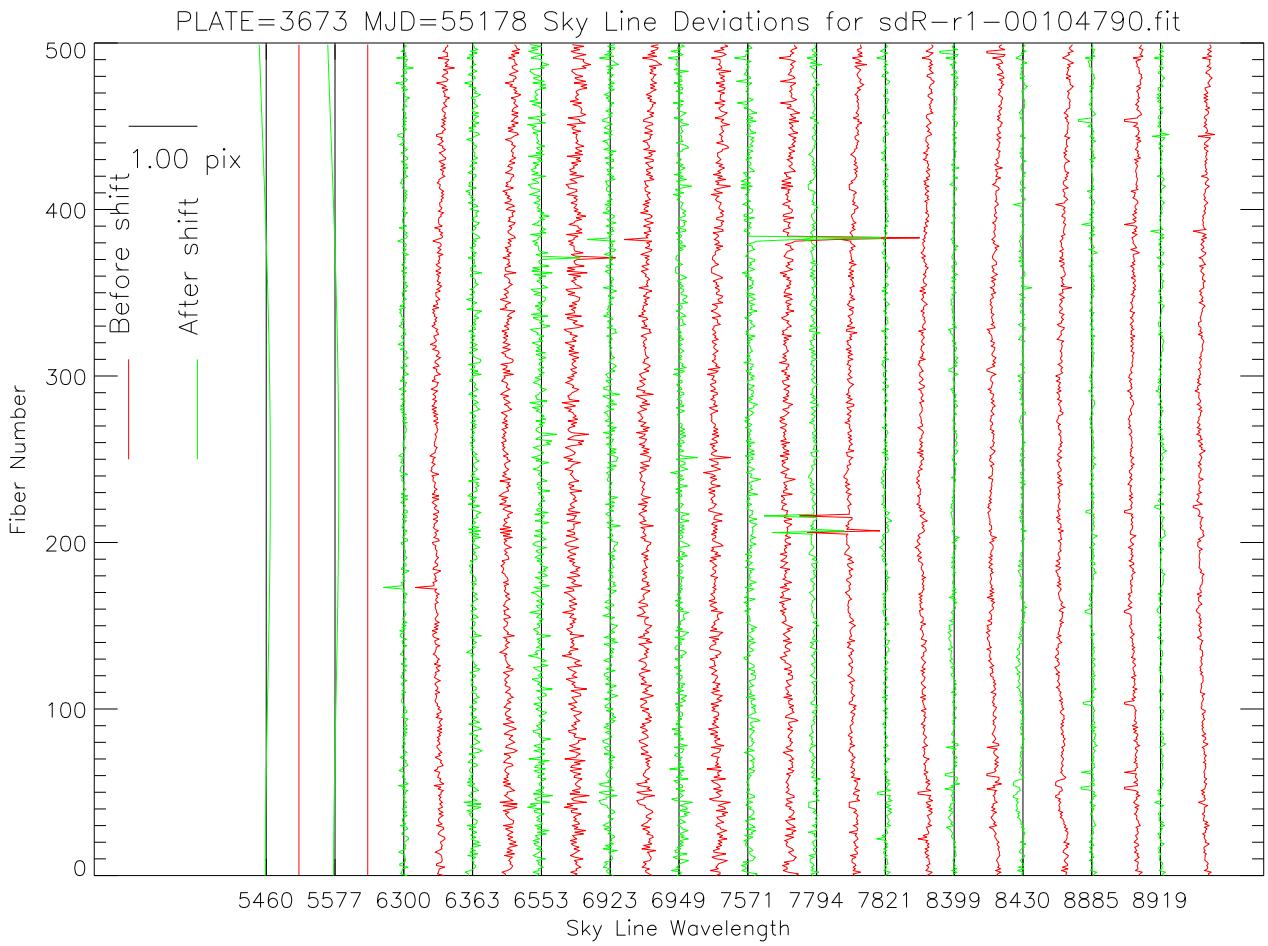

PLATE=3673 MJD=55178 flat extraction chi^2 for sdR−r1−00104799.fit
BLACK = Final chisq extraction
χ^2
Row number
0
10
20
30
40
50
60
0
1000
2000
3000
4000

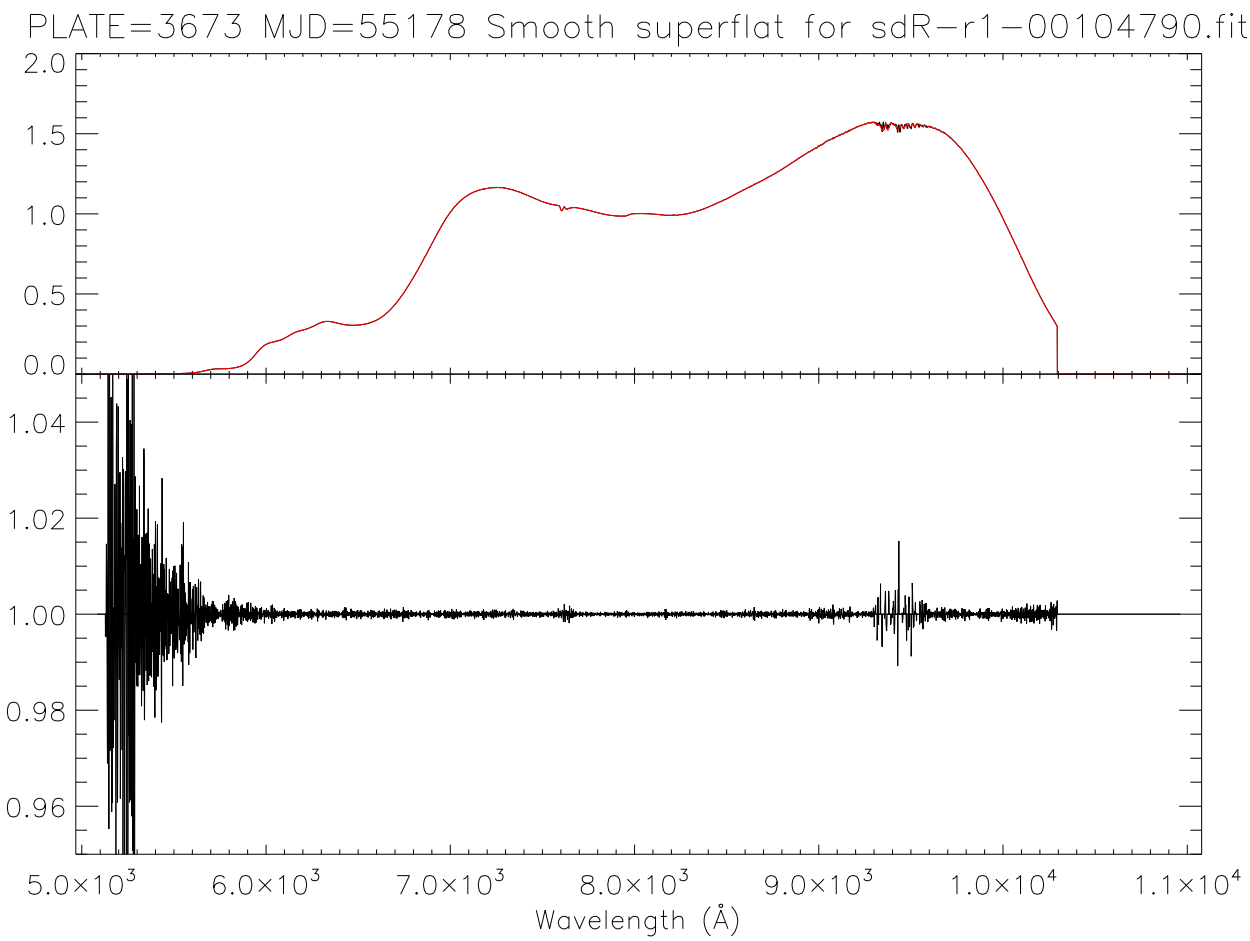

PLATE=3673 MJD=55178 Superflat sdR-r1-00104799.fit
RED = Superflat fit to central fiber
BLACK = 2.3 15.8 50.0 84.2 97.7 percentiles
Normalized flux
0.0
0.5
1.0
1.5
6000
7000
8000
9000
10000
λ [A]

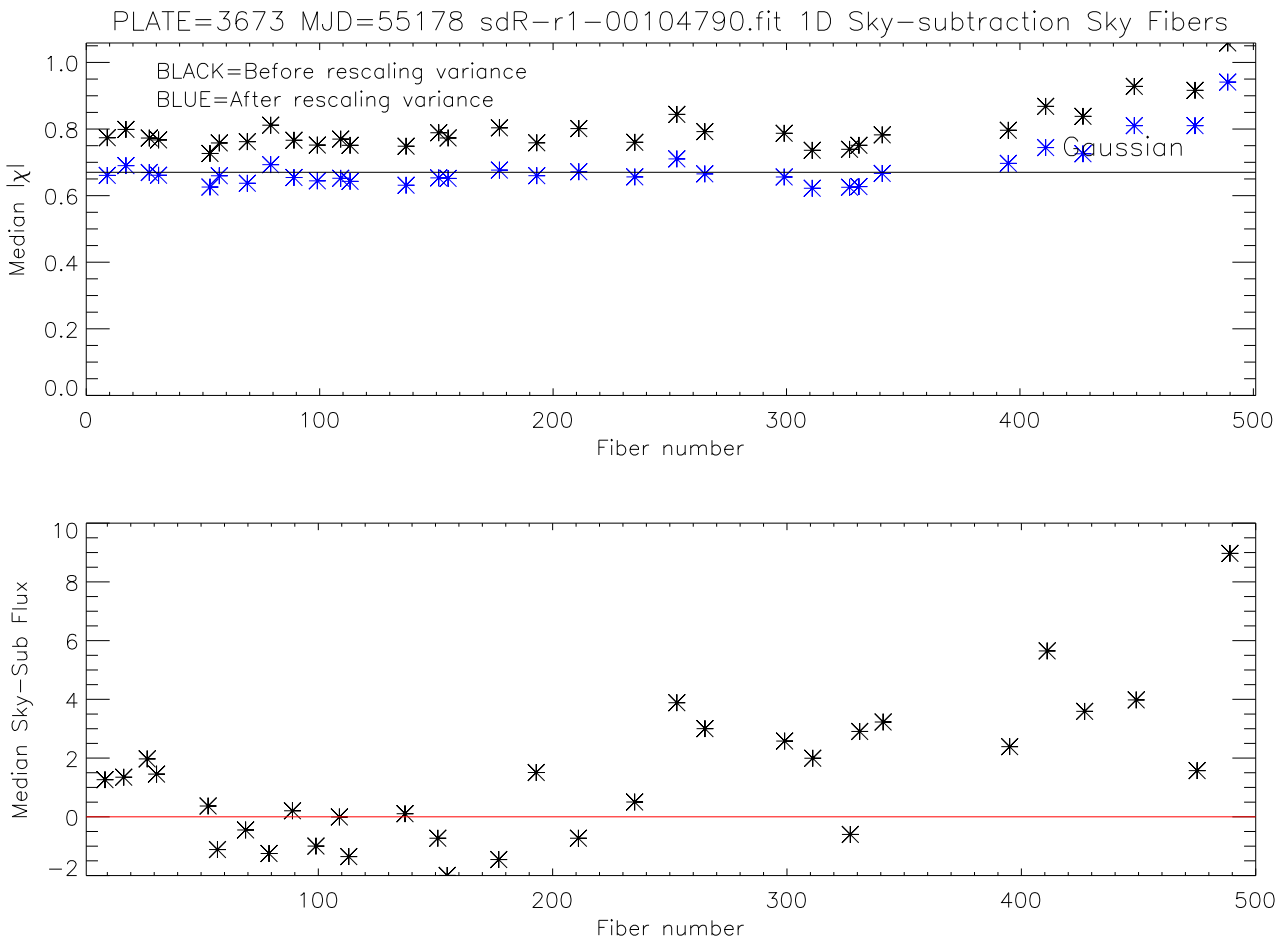

PLATE=3673 MJD=55178 Arcline Fit for sdR-r1-00104795.fit
Fiber Number
500
400
300
200
100
0
5.0×10^3
6.0×10^3
7.0×10^3
8.0×10^3
9.0×10^3
1.0×10^4
1.1×10^4
λ [A] + 300 * Deviation
Ncoeff = 6
Deviation [pix]
0.15
0.10
0.05
−0.00
−0.05
−0.10
−0.15
λ [A]
Sat Aug 27 19:09:17 2011

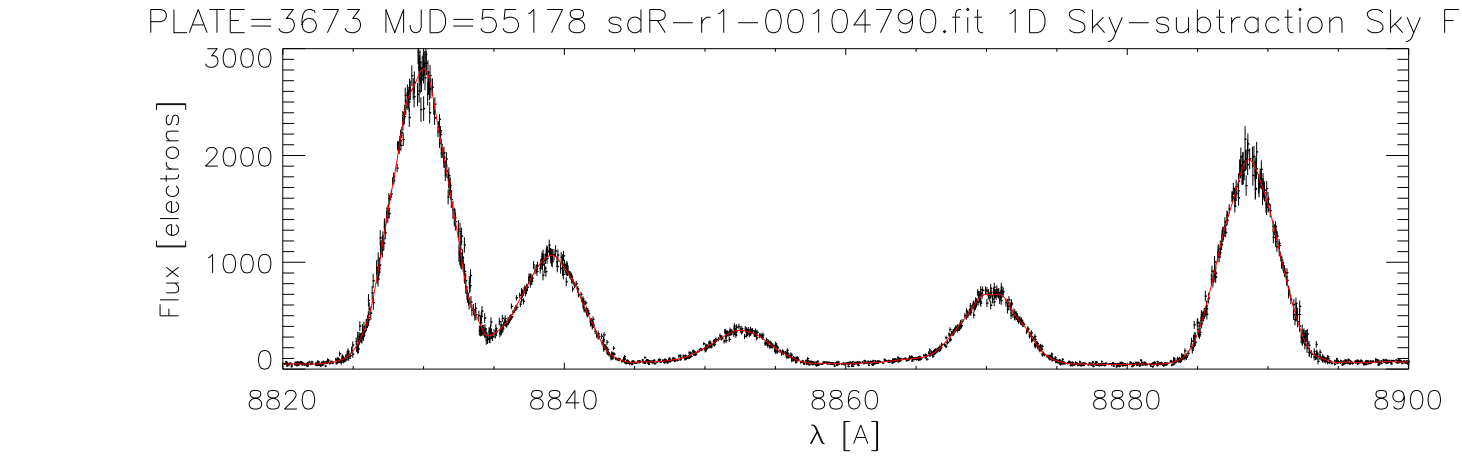

PLATE=3673 MJD=55178 Fiber−Flats for sdR−r1−00104794.fit
BLACK = Median value
ENVELOPE = 95% of points
GREEN = Outlier points
Min value = −556.333
Max value = 34.962
Fiber−Flat
1.5
1.0
0.5
0.0
6000
7000
8000
9000
10000
λ [A]
Sat Aug 27 19:09:37 2011

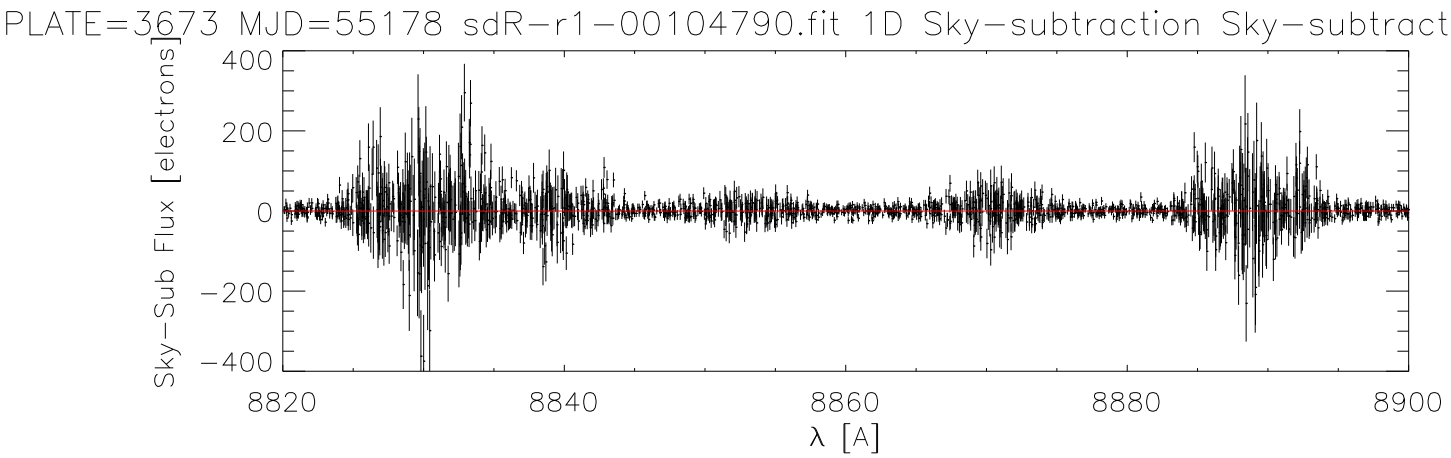

PLATE=3673 MJD=55178 Extraction chi^2 for sdR−r1−00104790.fit
BLACK = Final chisq extraction
χ^2
0.0
0.5
1.0
1.5
2.0
0
1000
2000
3000
4000
Row number


PLATE=3673 MJD=55178 Sky Line Deviations for sdR-r1-00104790.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

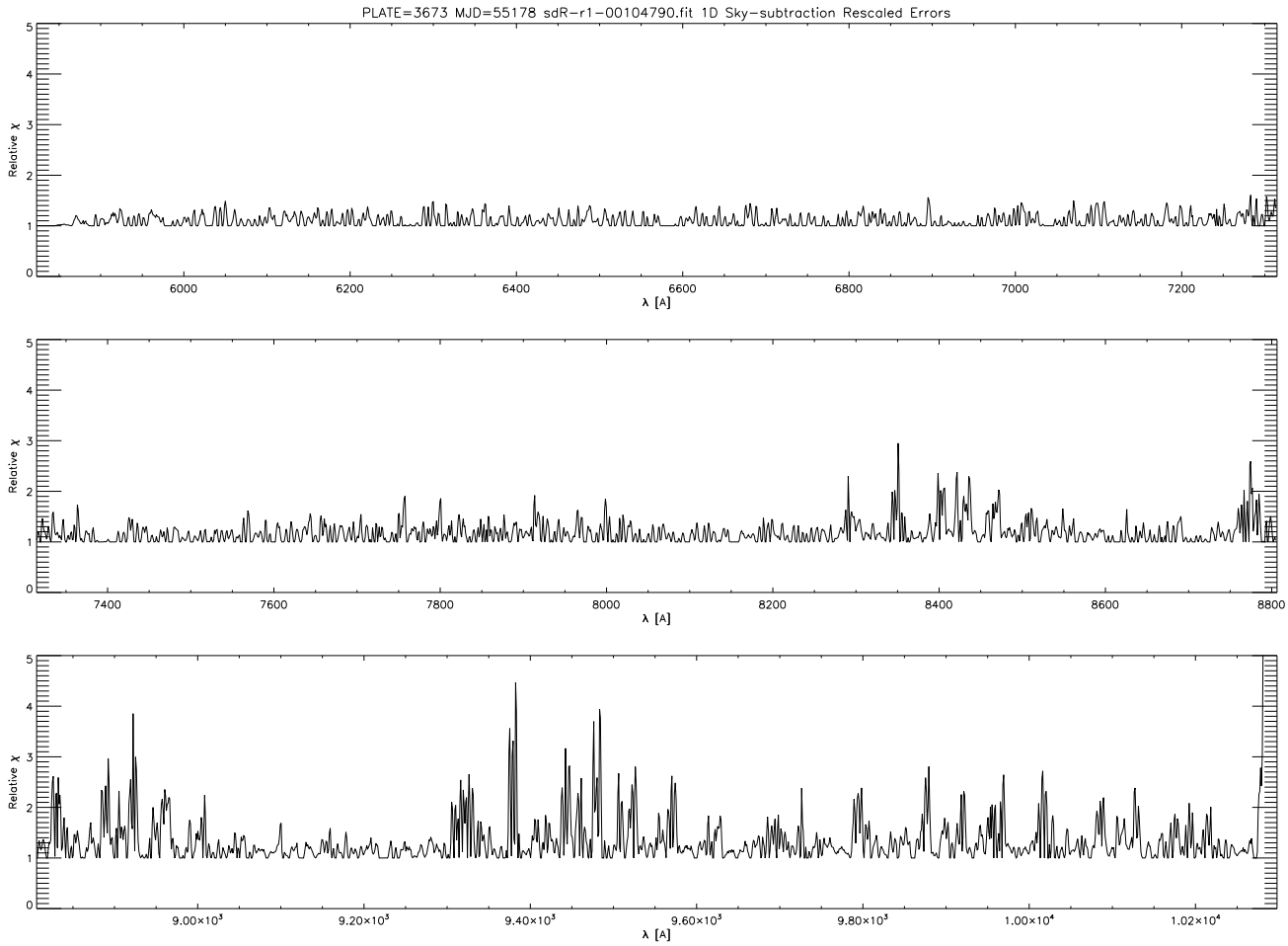

PLATE=3673 MJD=55178 Smooth superflat for sdR-r1-00104790.fit
2.0
1.5
1.0
0.5
0.0
1.04
1.02
1.00
0.98
0.96
5.0×10^3
6.0×10^3
7.0×10^3
8.0×10^3
9.0×10^3
1.0×10^4
1.1×10^4
Wavelength (Å)

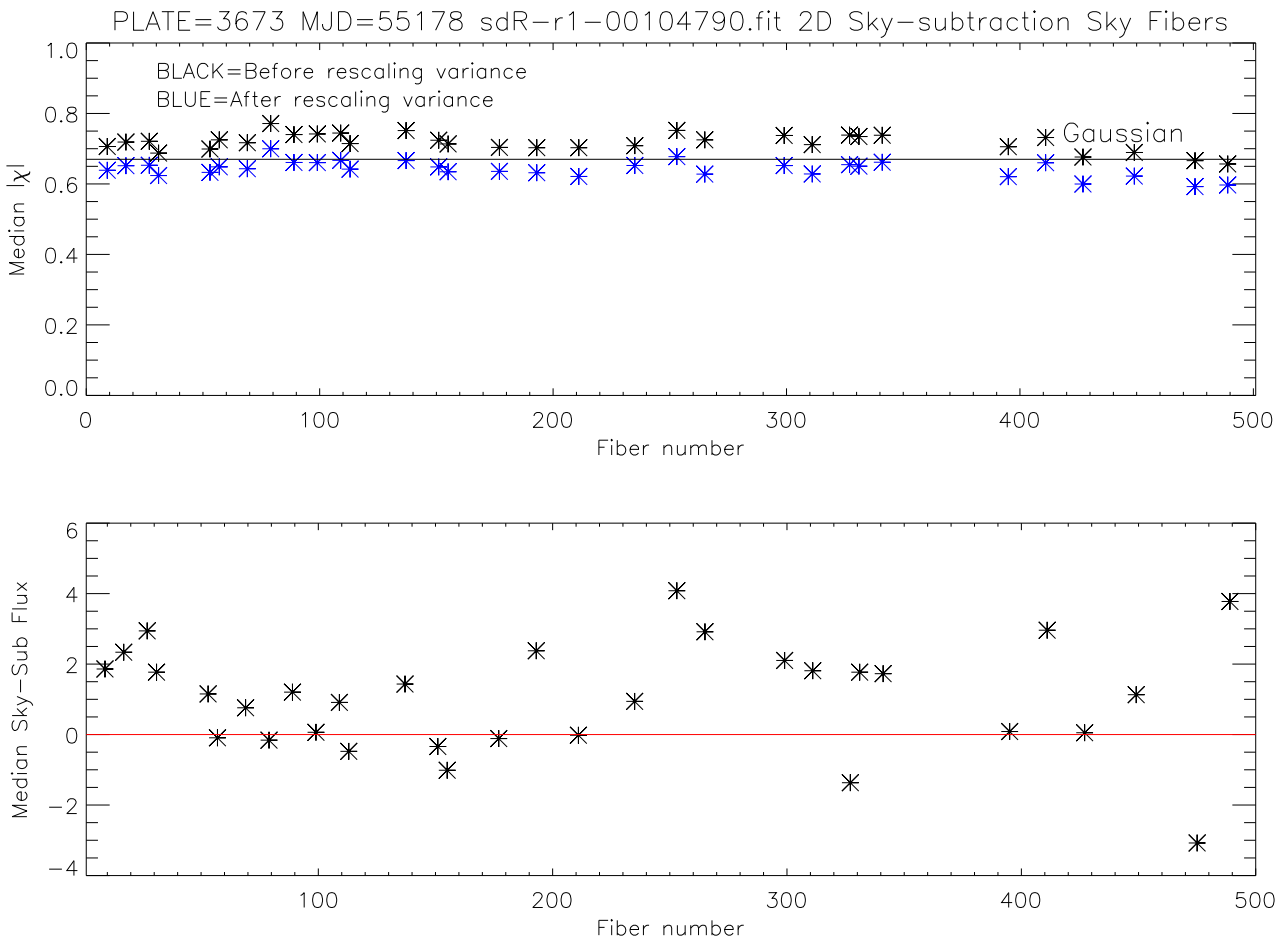

PLATE=3673 MJD=55178 sdR-r1-00104790.fit 1D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

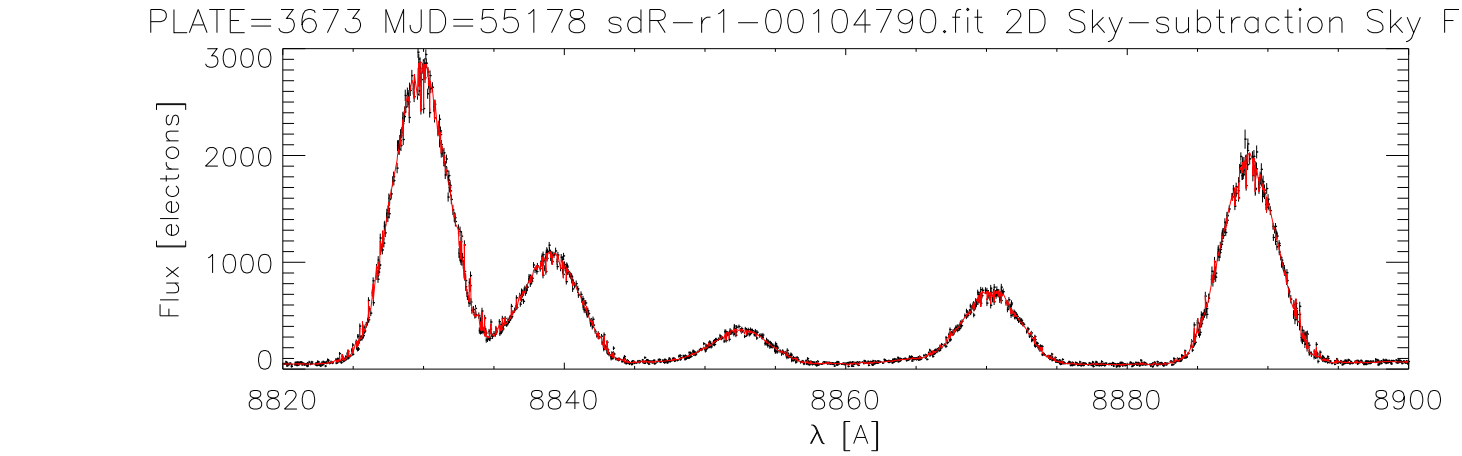

PLATE=3673 MJD=55178 sdR-r1-00104790.fit 1D Sky-subtraction Sky Fibers
Flux [electrons]
3000
2000
1000
0
8820
8840
8860
8880
8900
λ [A]

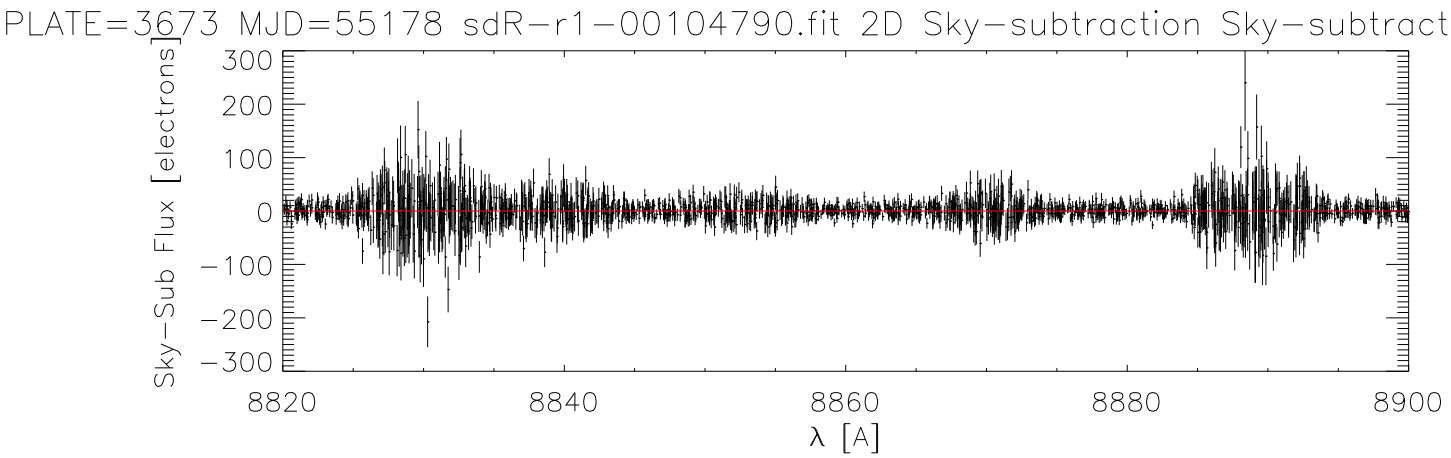

PLATE=3673 MJD=55178 sdR-r1-00104790.fit 1D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
400
200
0
-200
-400
8820
8840
8860
8880
8900
λ [A]

Number of sky fibers = 32

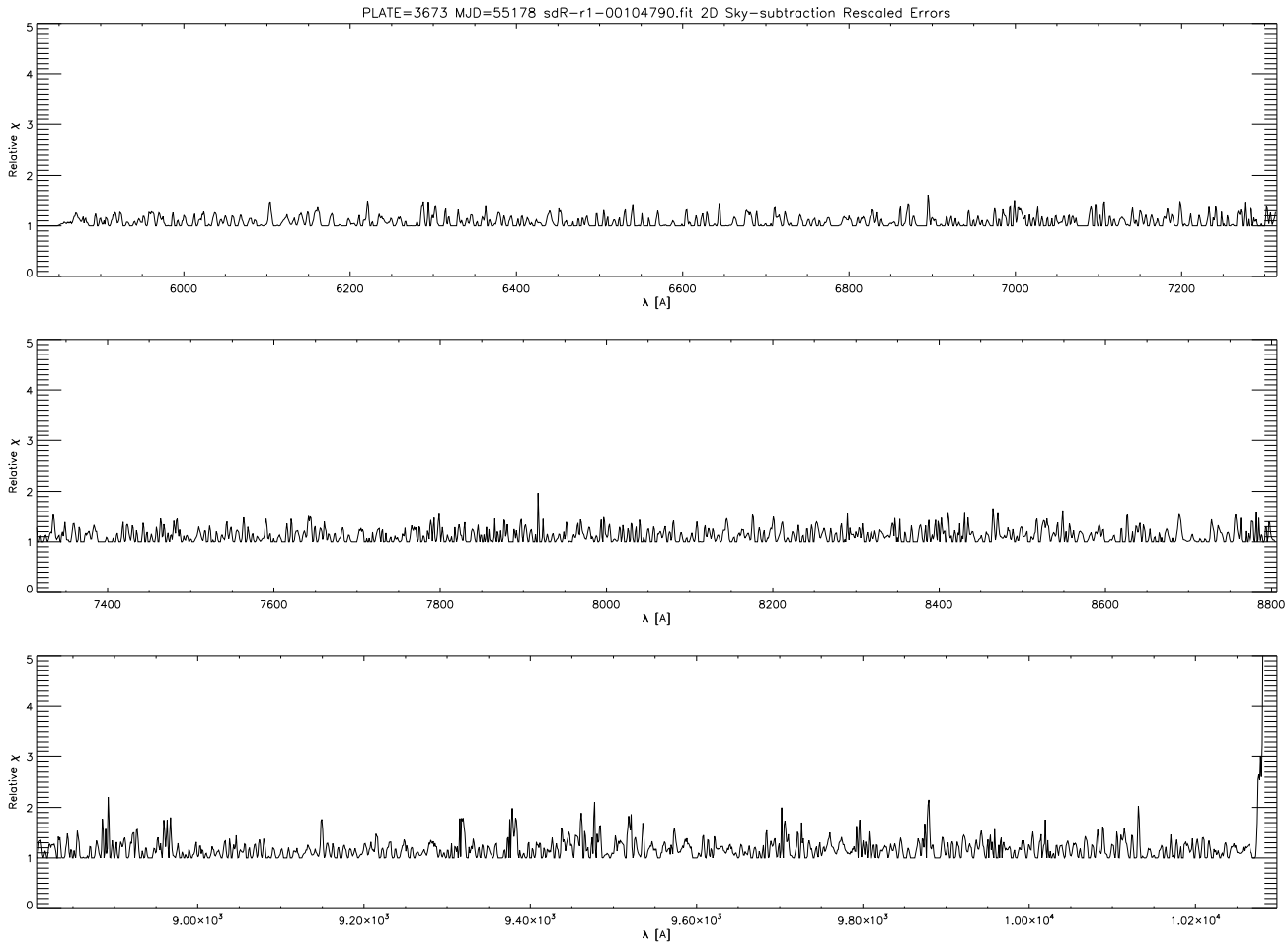


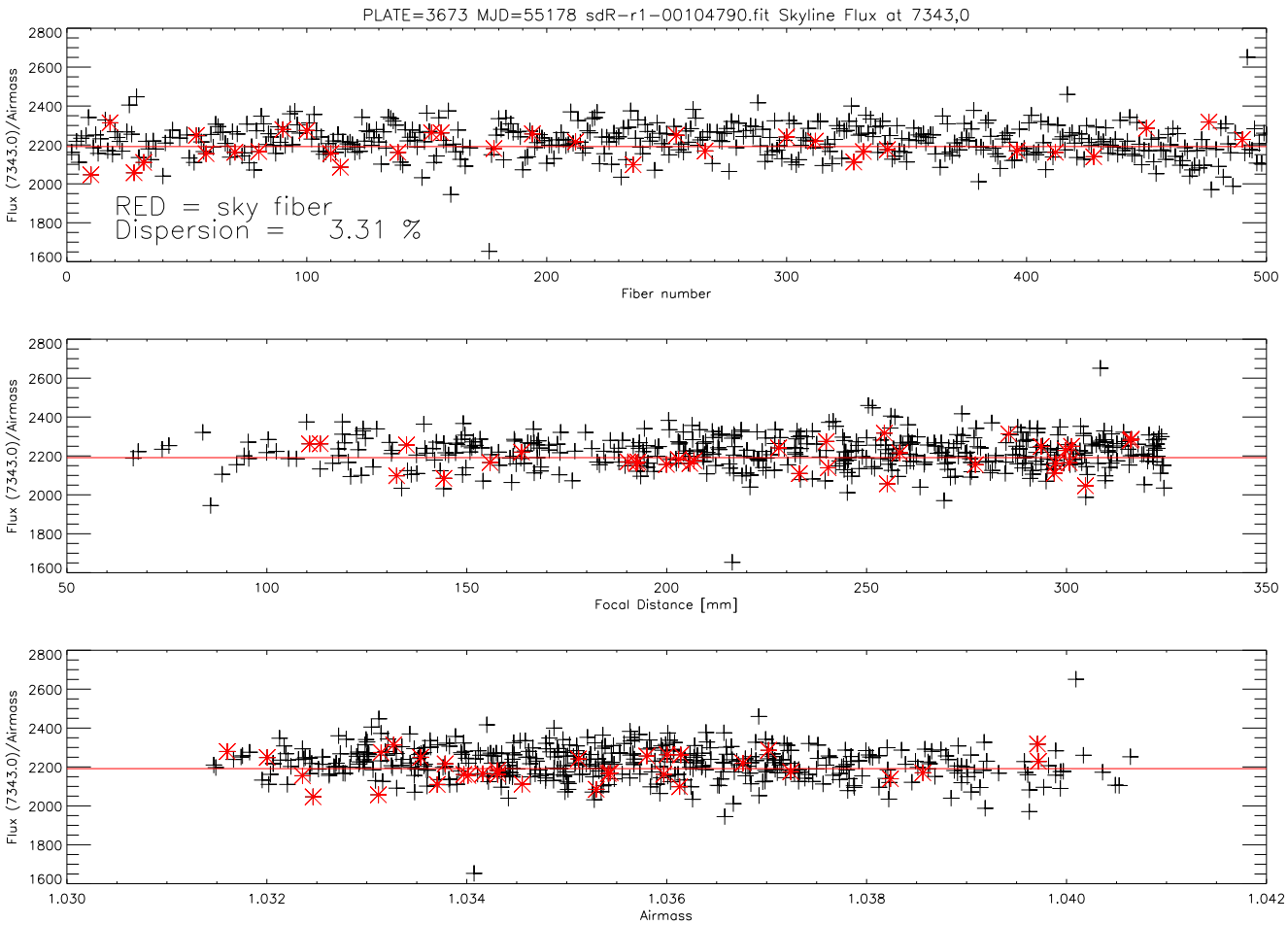

PLATE=3673 MJD=55178 sdR-r1-00104790.fit 2D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

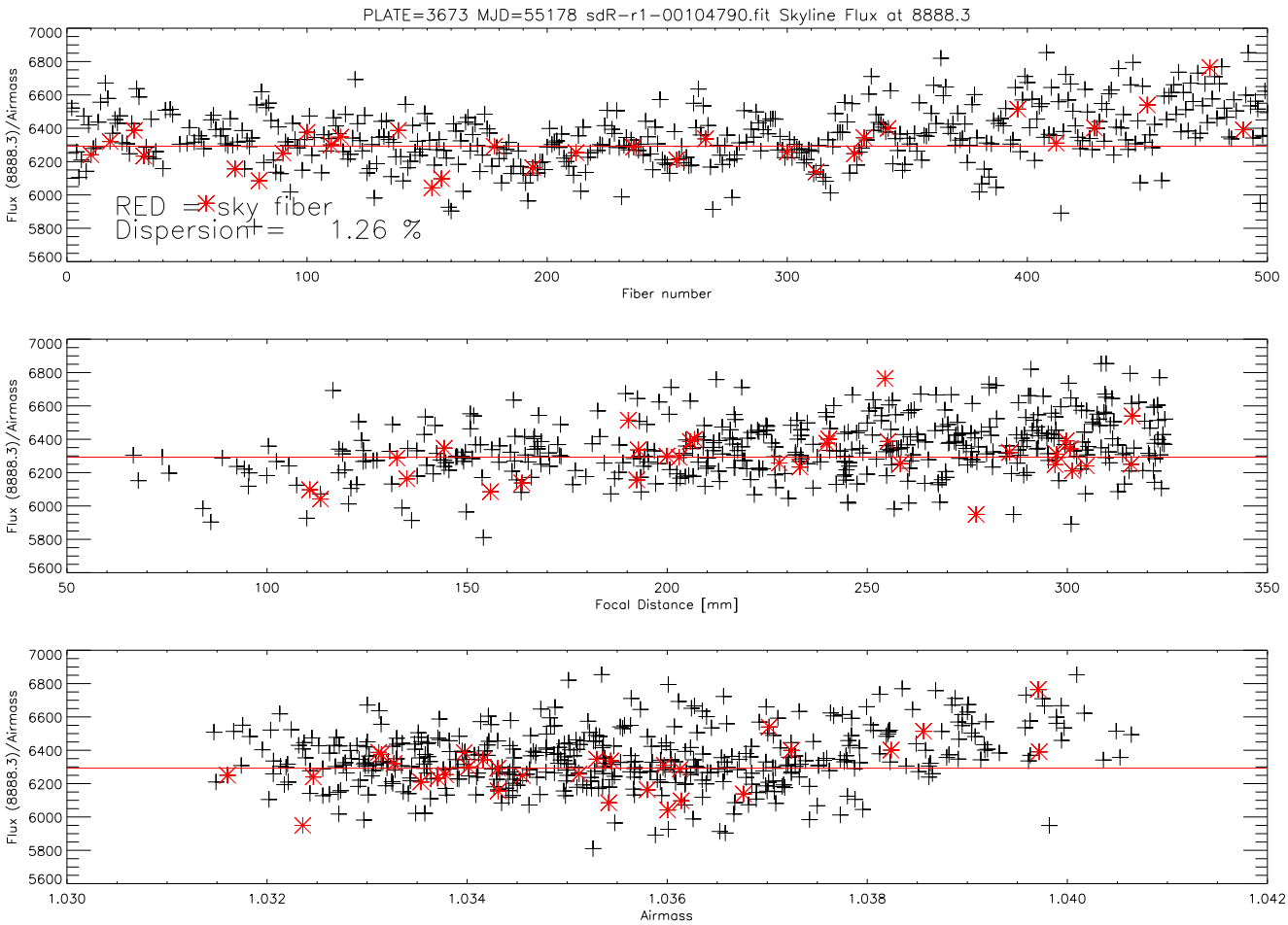

PLATE=3673 MJD=55178 sdR-r1-00104790.fit 2D Sky-subtraction Sky Fibers
Flux [electrons]
3000
2000
1000
0
8820
8840
8860
8880
8900
λ [A]

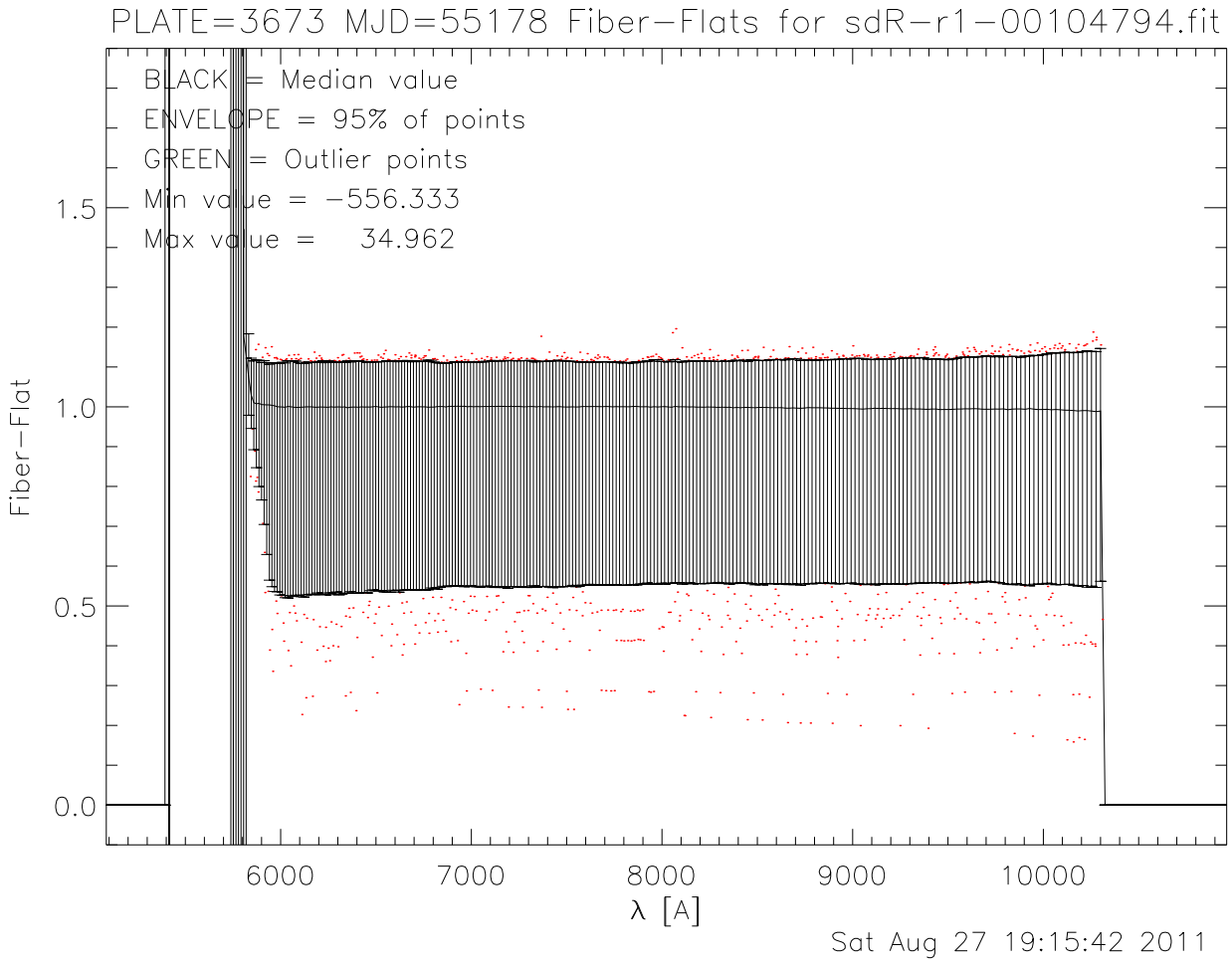

PLATE=3673 MJD=55178 sdR-r1-00104790.fit 2D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
300
200
100
0
-100
-200
-300
8820
8840
8860
8880
8900
λ [A]

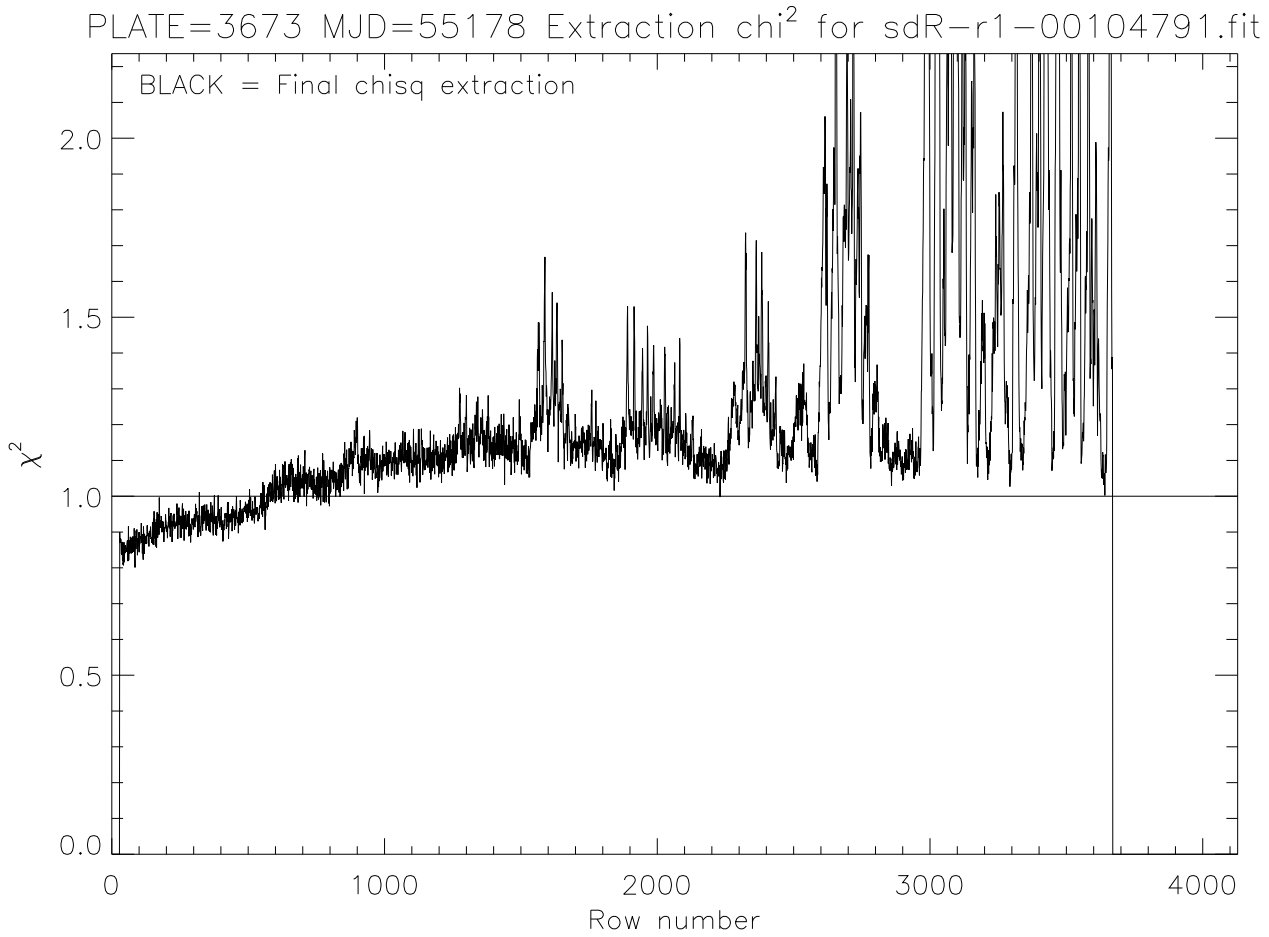
Number of sky fibers = 32

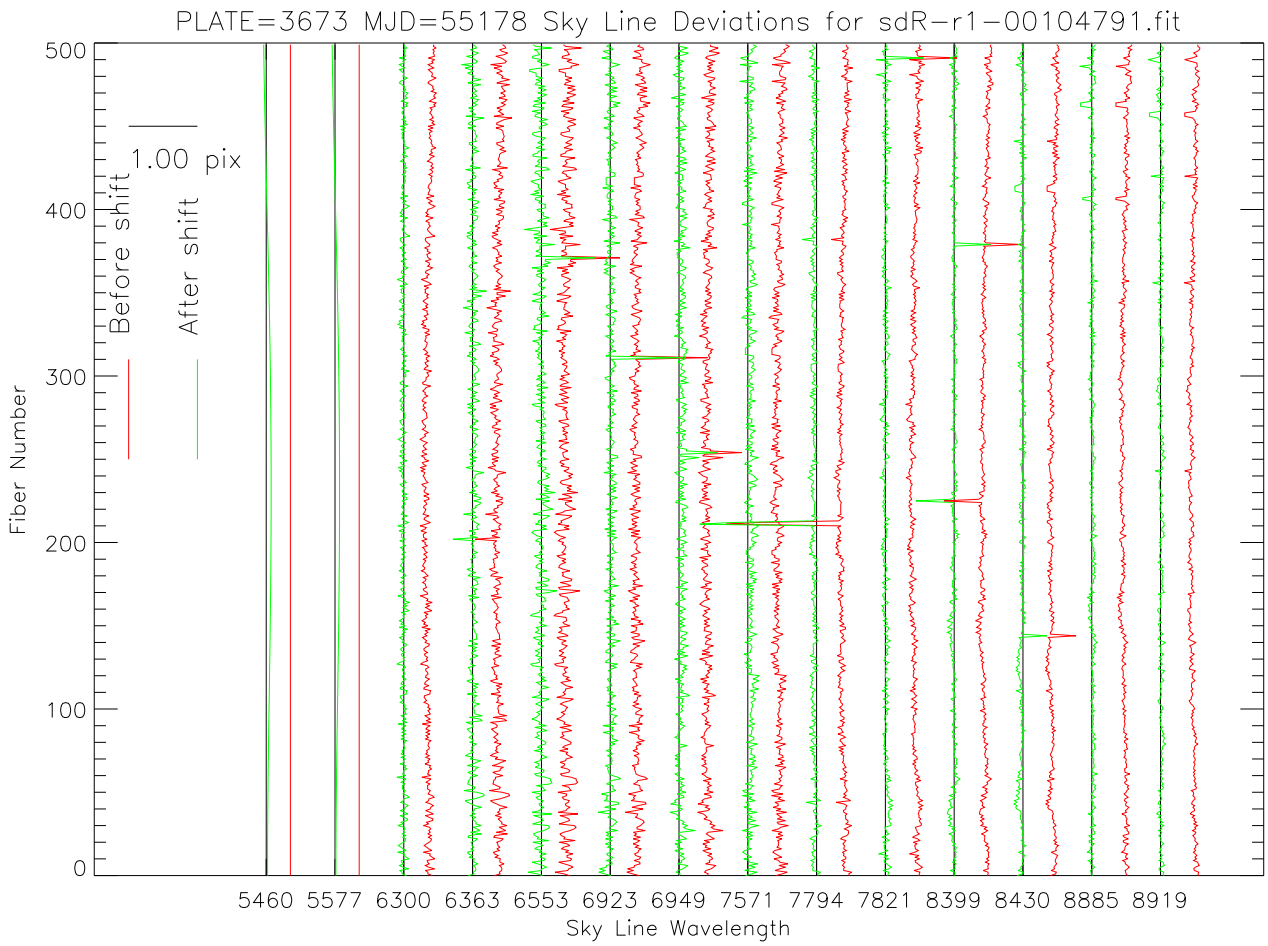


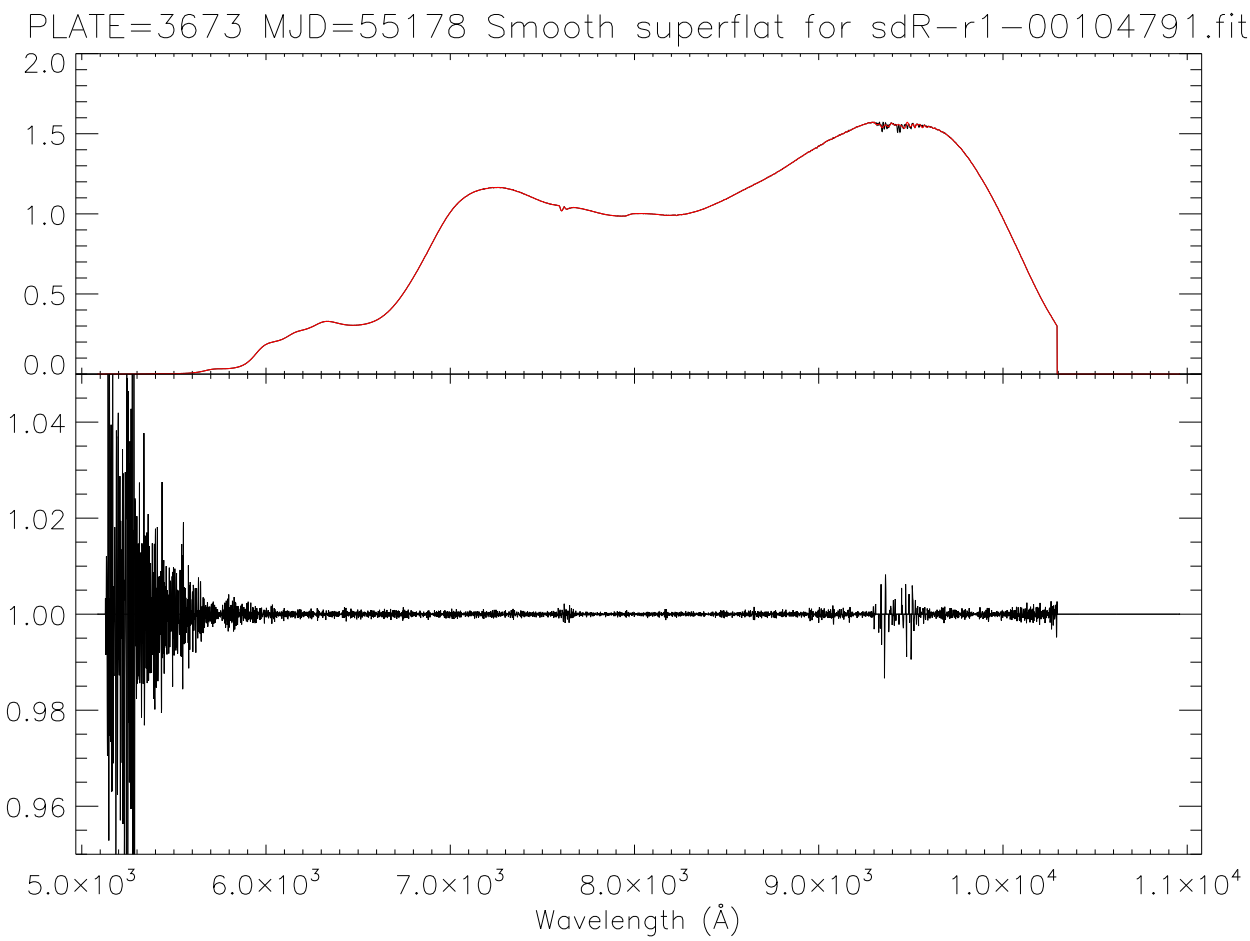

PLATE=3673 MJD=55178 sdR-r1-00104790.fit Skyline Flux at 7343,0
Flux (7343.0)/Airmass
RED = sky fiber
Dispersion = 3.31 %
Fiber number
Focal Distance [mm]
Airmass

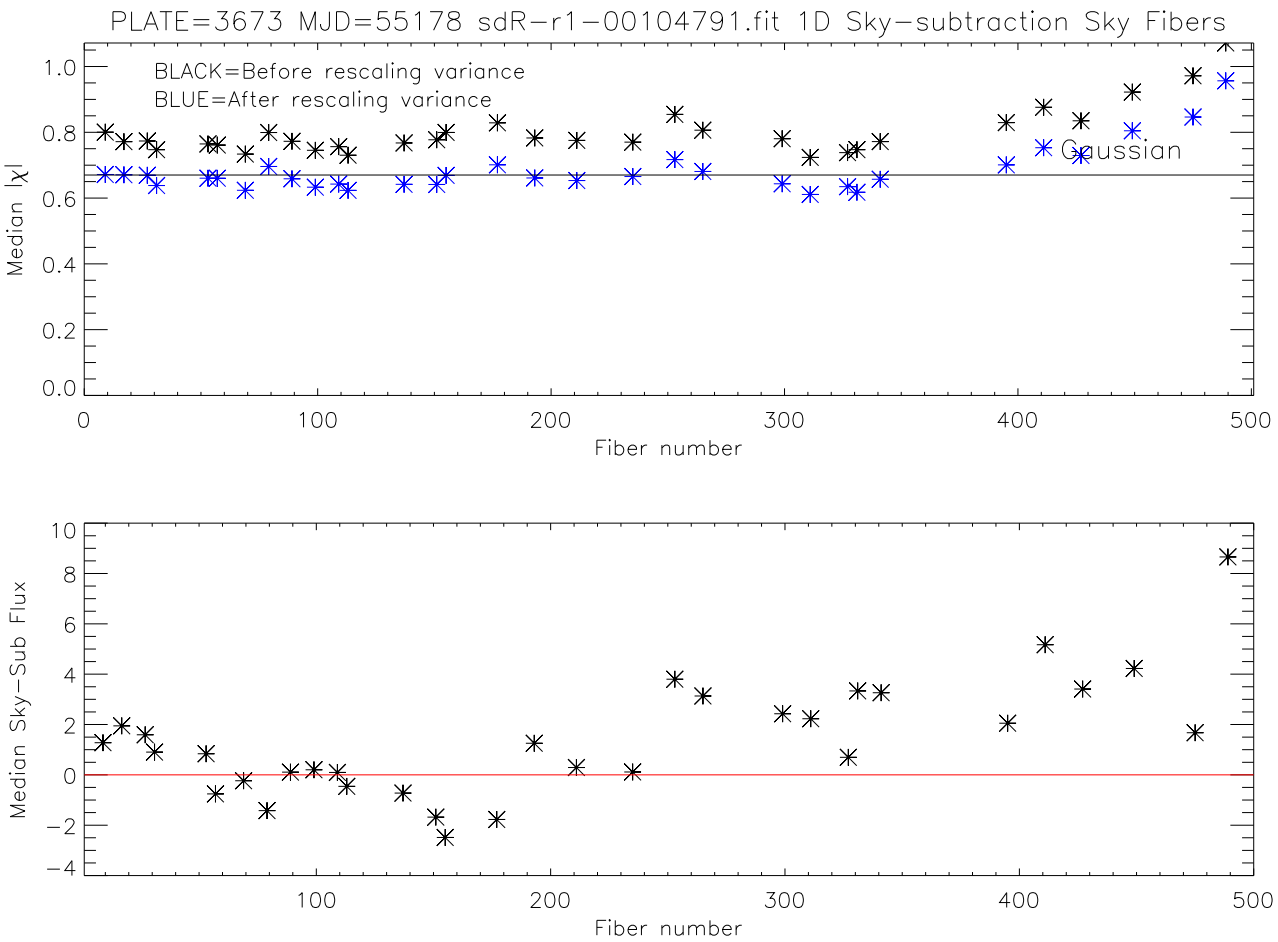

PLATE=3673 MJD=55178 sdR-r1-00104790.fit Skyline Flux at 8888.3
Flux (8888.3)/Airmass
RED =sky fiber
Dispersion= 1.26 %
Fiber number
Flux (8888.3)/Airmass
Focal Distance [mm]
Flux (8888.3)/Airmass
Airmass

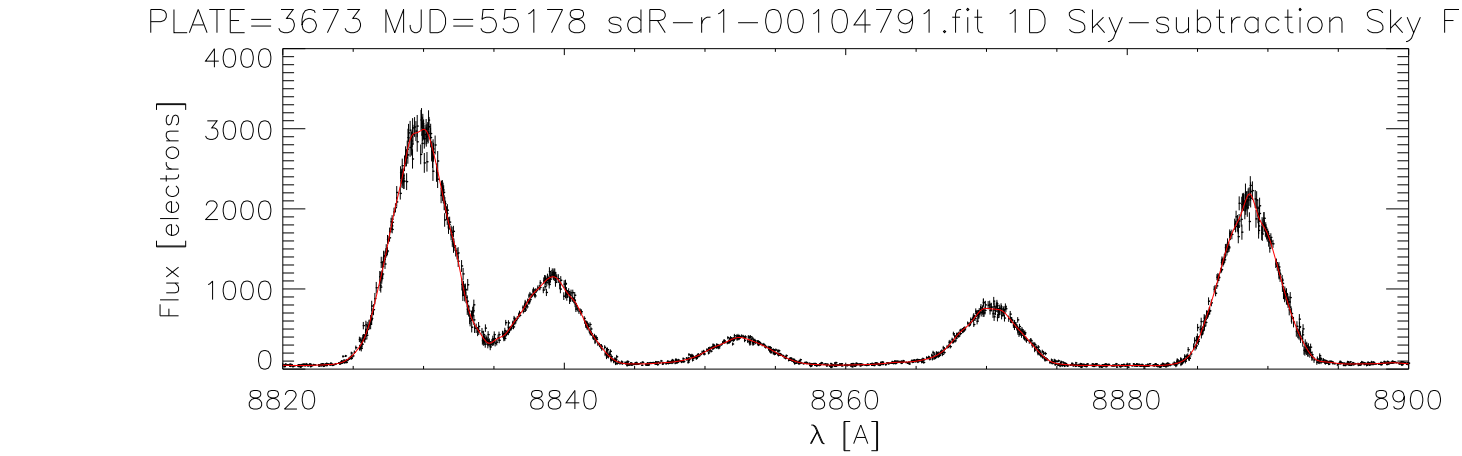

PLATE=3673 MJD=55178 Fiber-Flats for sdR-r1-00104794.fit
BLACK = Median value
ENVELOPE = 95% of points
GREEN = Outlier points
Min value = -556.333
Max value = 34.962
Fiber-Flat
1.5
1.0
0.5
0.0
6000
7000
8000
9000
10000
λ [A]
Sat Aug 27 19:15:42 2011

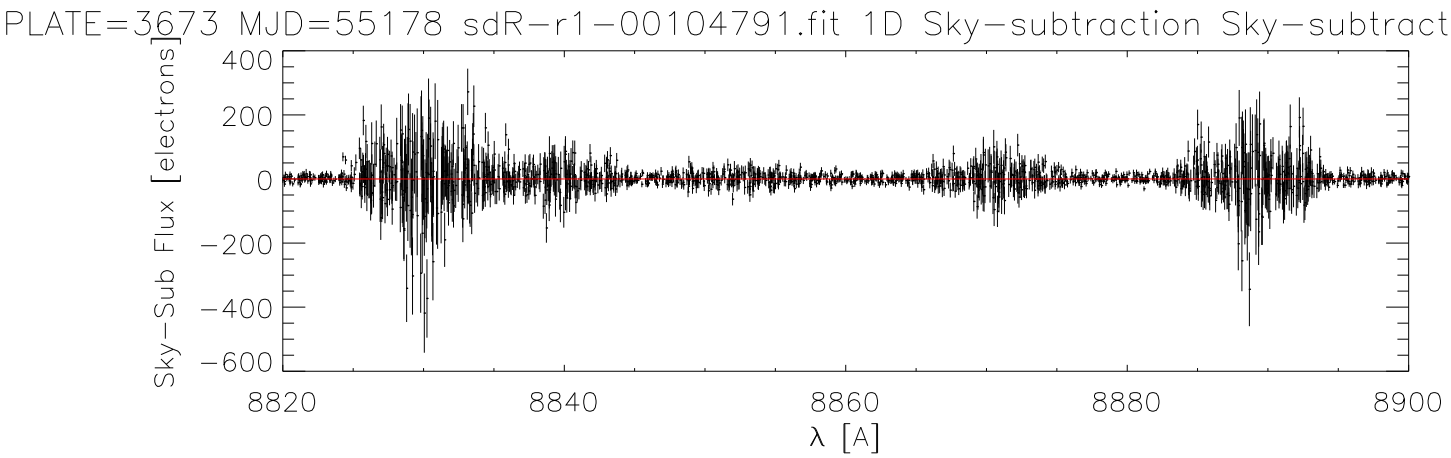

PLATE=3673 MJD=55178 Extraction chi^2 for sdR−r1−00104791.fit
BLACK = Final chisq extraction
χ^2
0.0
0.5
1.0
1.5
2.0
0
1000
2000
3000
4000
Row number


PLATE=3673 MJD=55178 Sky Line Deviations for sdR-r1-00104791.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

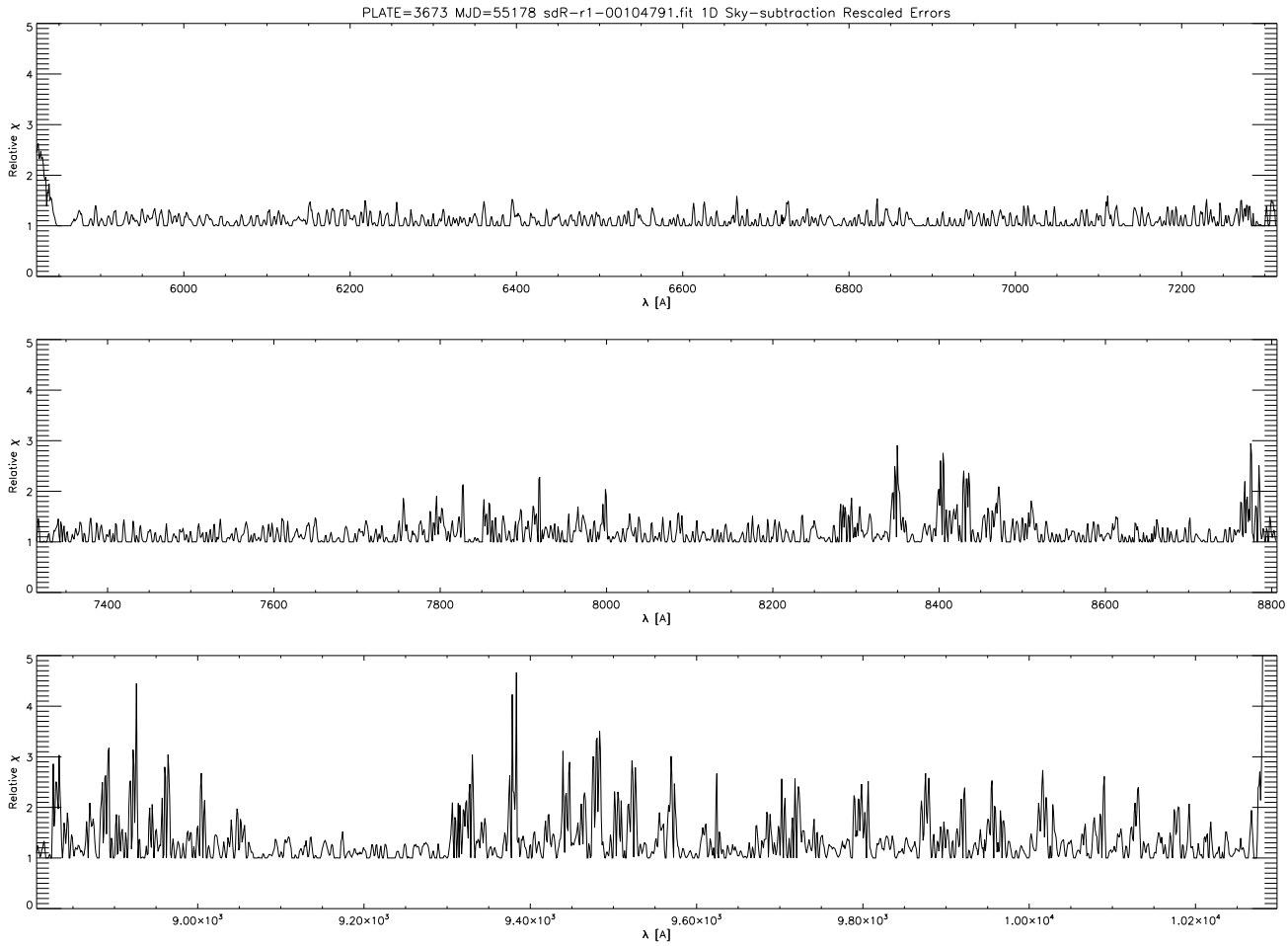

PLATE=3673 MJD=55178 Smooth superflat for sdR-r1-00104791.fit
2.0
1.5
1.0
0.5
0.0
1.04
1.02
1.00
0.98
0.96
5.0×10^3
6.0×10^3
7.0×10^3
8.0×10^3
9.0×10^3
1.0×10^4
1.1×10^4
Wavelength (Å)

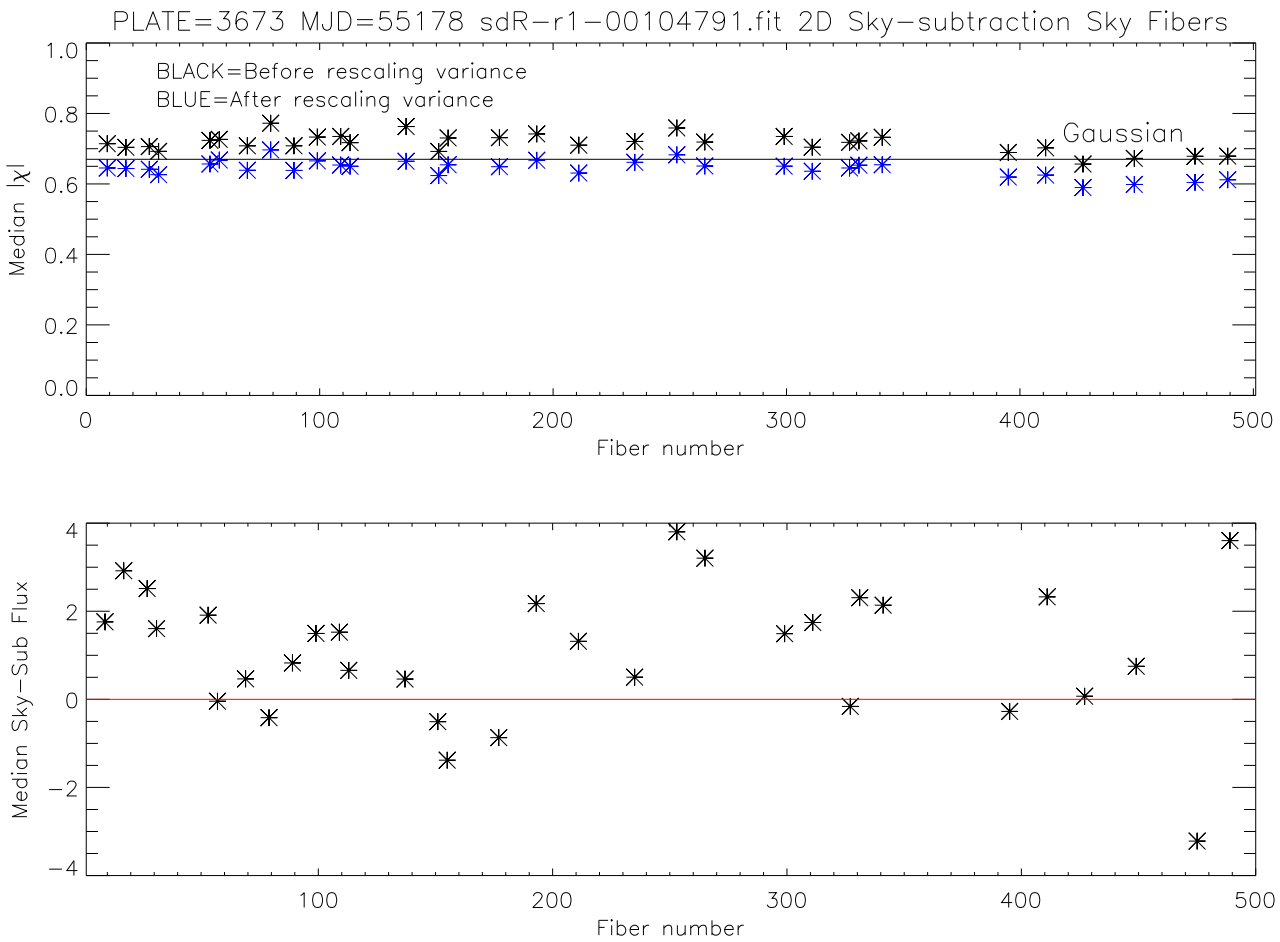

PLATE=3673 MJD=55178 sdR-r1-00104791.fit 1D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

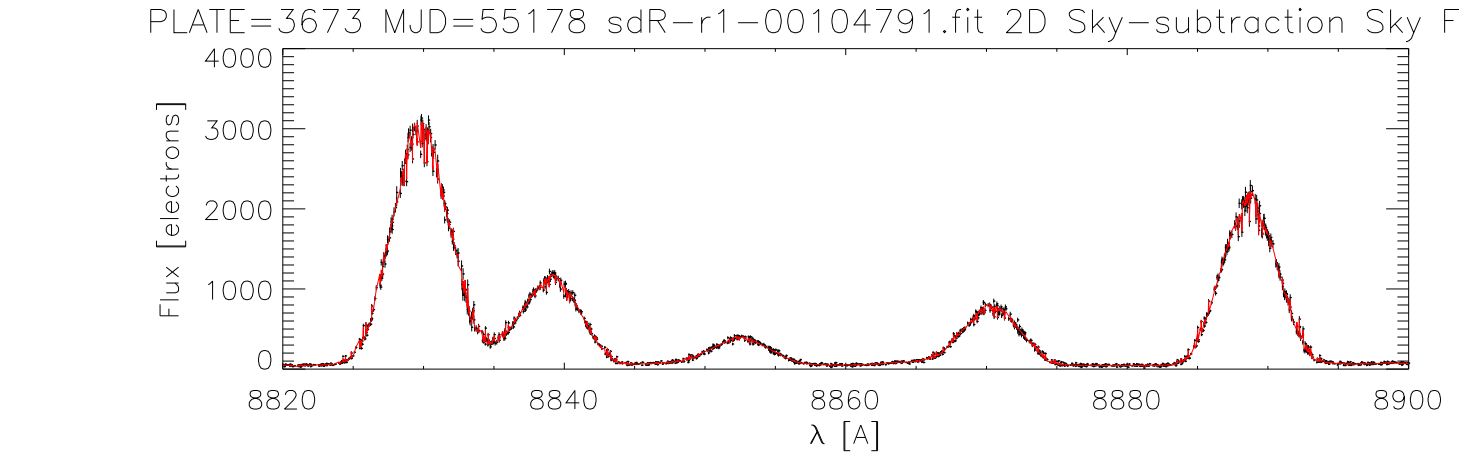

PLATE=3673 MJD=55178 sdR-r1-00104791.fit 1D Sky-subtraction Sky Fibers
Flux [electrons]
4000
3000
2000
1000
0
8820
8840
8860
8880
8900
λ [A]

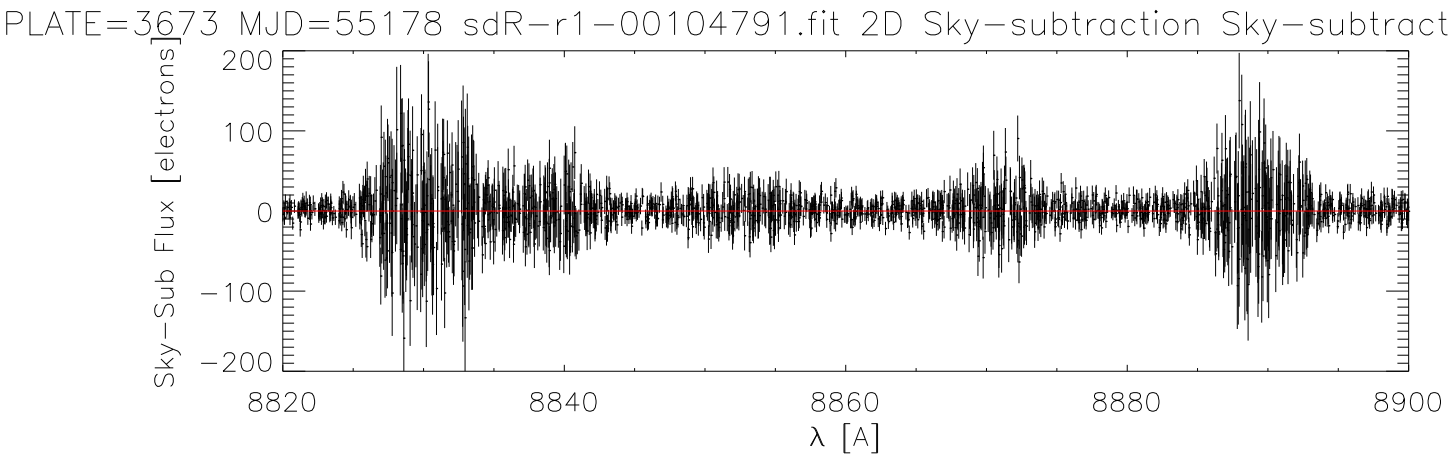

PLATE=3673 MJD=55178 sdR-r1-00104791.fit 1D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
400
200
0
-200
-400
-600
8820
8840
8860
8880
8900
λ [A]

Number of sky fibers = 32

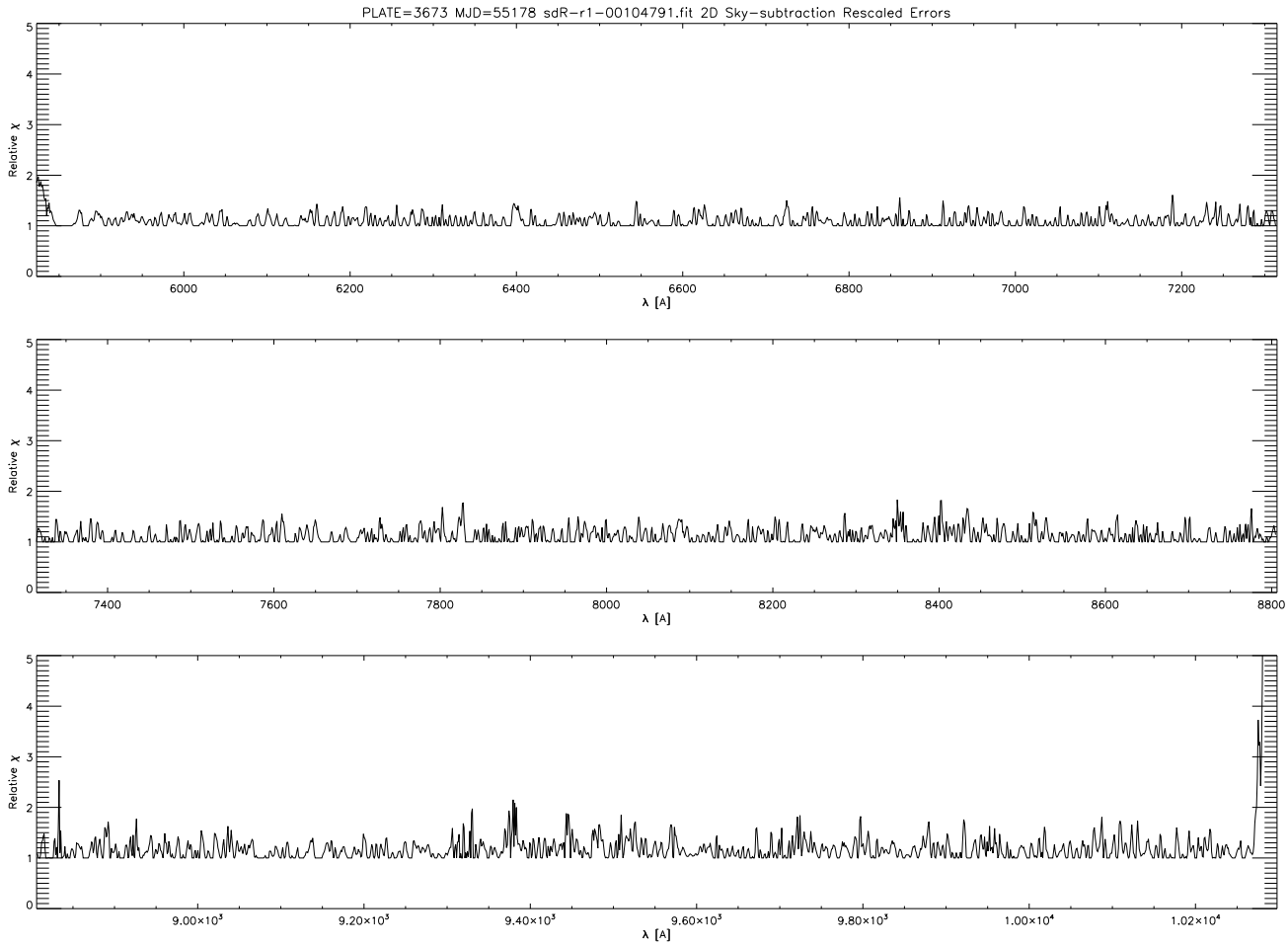


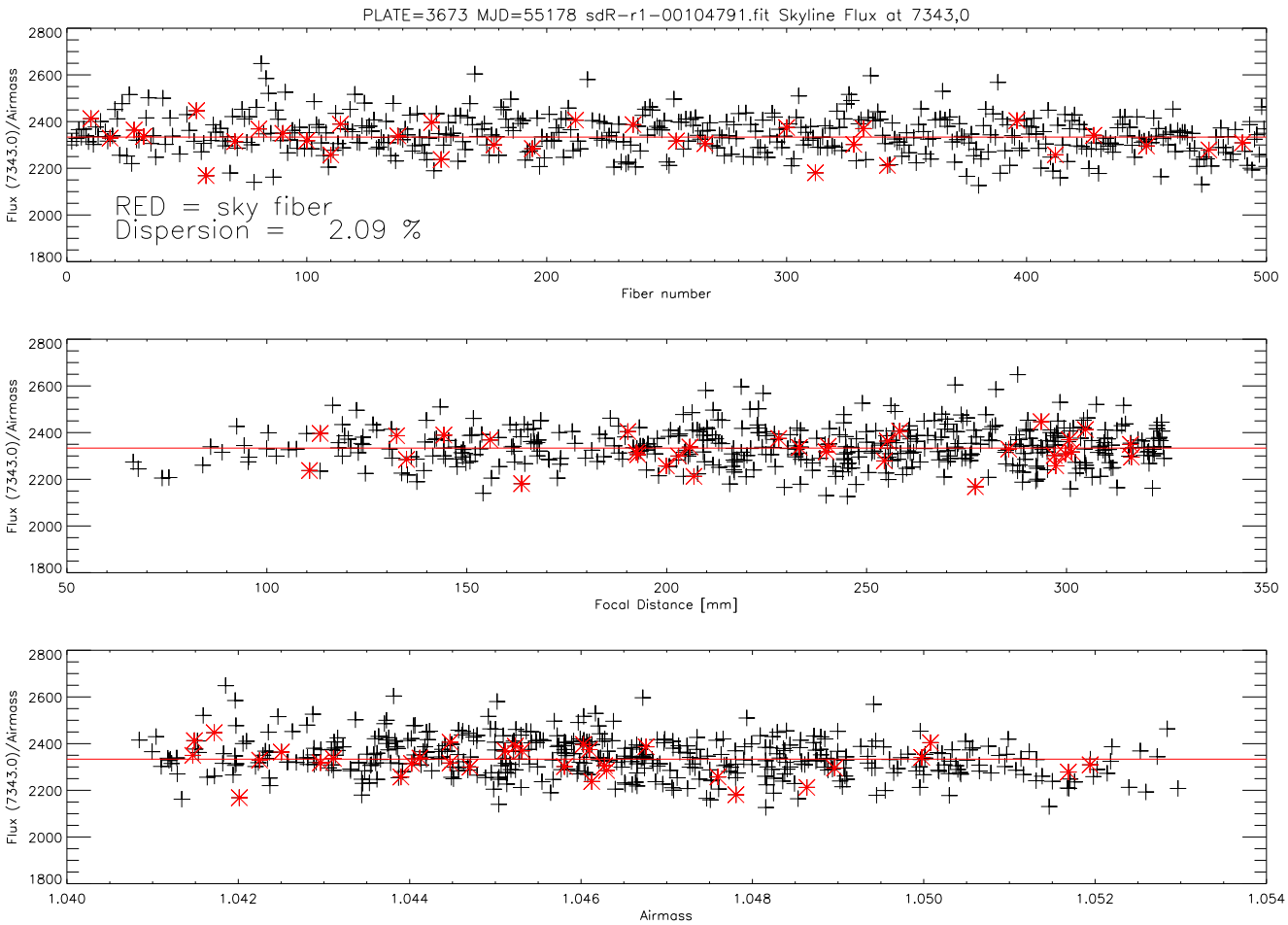

PLATE=3673 MJD=55178 sdR-r1-00104791.fit 2D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

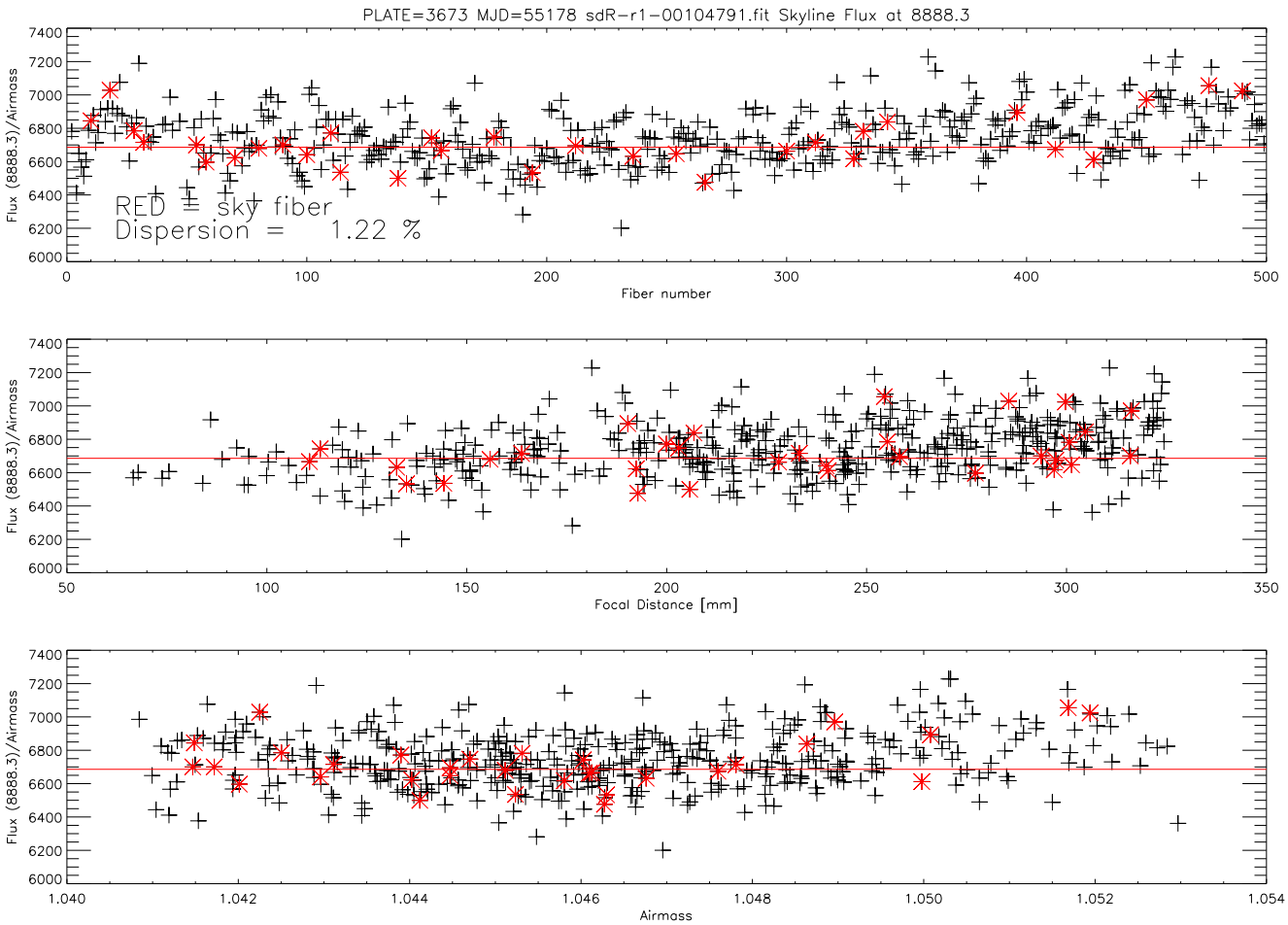

PLATE=3673 MJD=55178 sdR-r1-00104791.fit 2D Sky-subtraction Sky Fibers
Flux [electrons]
4000
3000
2000
1000
0
8820
8840
8860
8880
8900
λ [A]

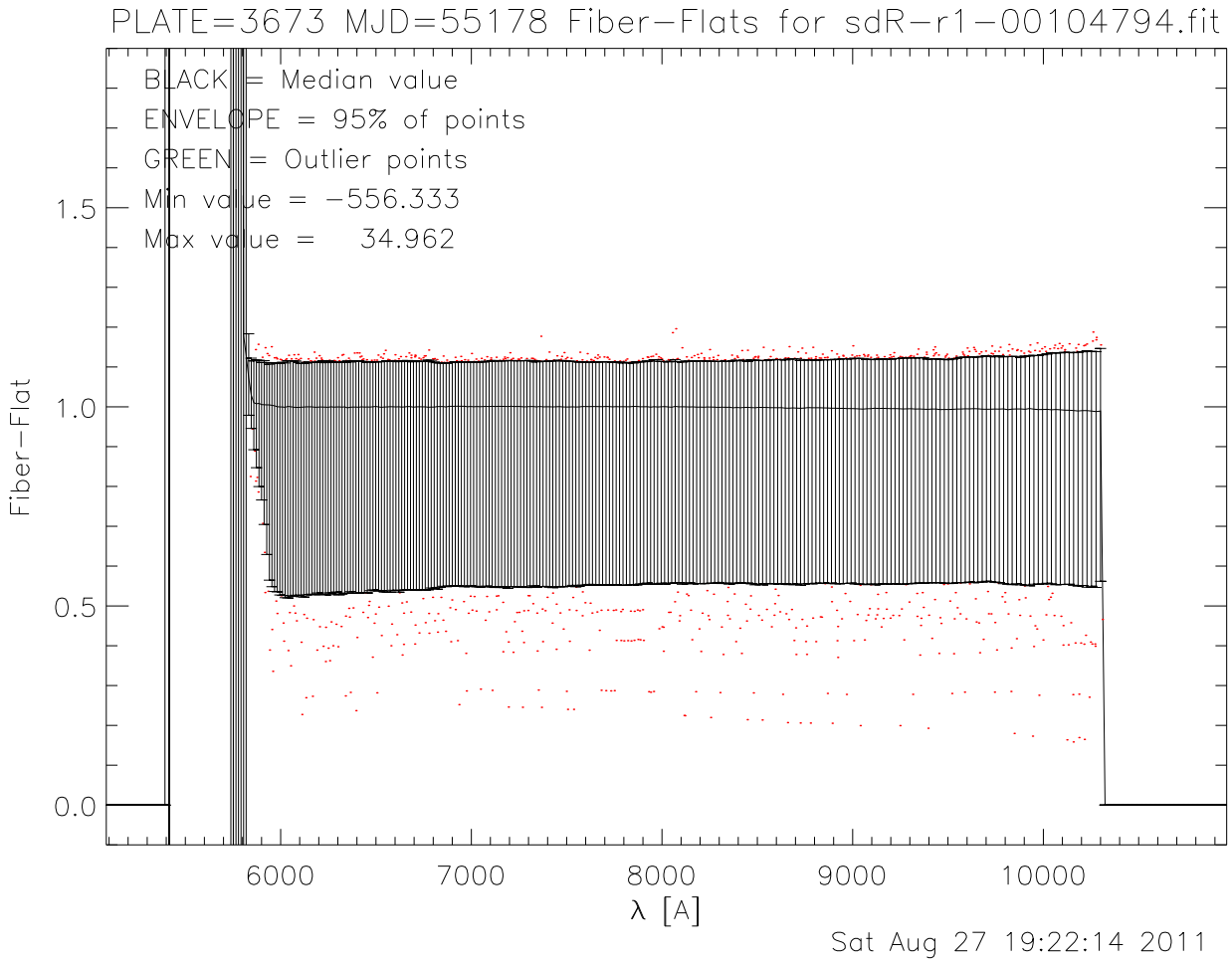

PLATE=3673 MJD=55178 sdR-r1-00104791.fit 2D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
200
100
0
-100
-200
8820
8840
8860
8880
8900
λ [A]

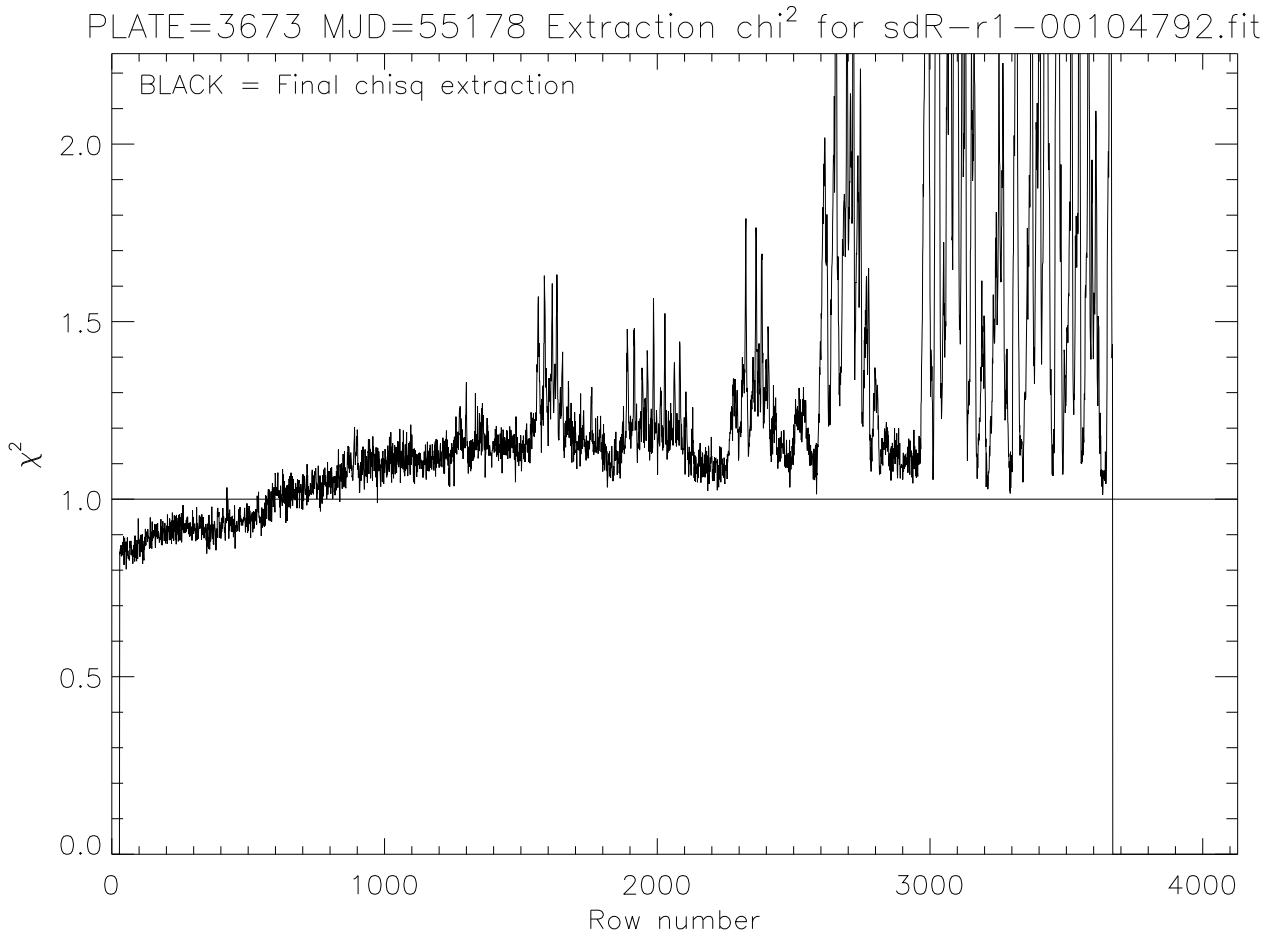
Number of sky fibers = 32

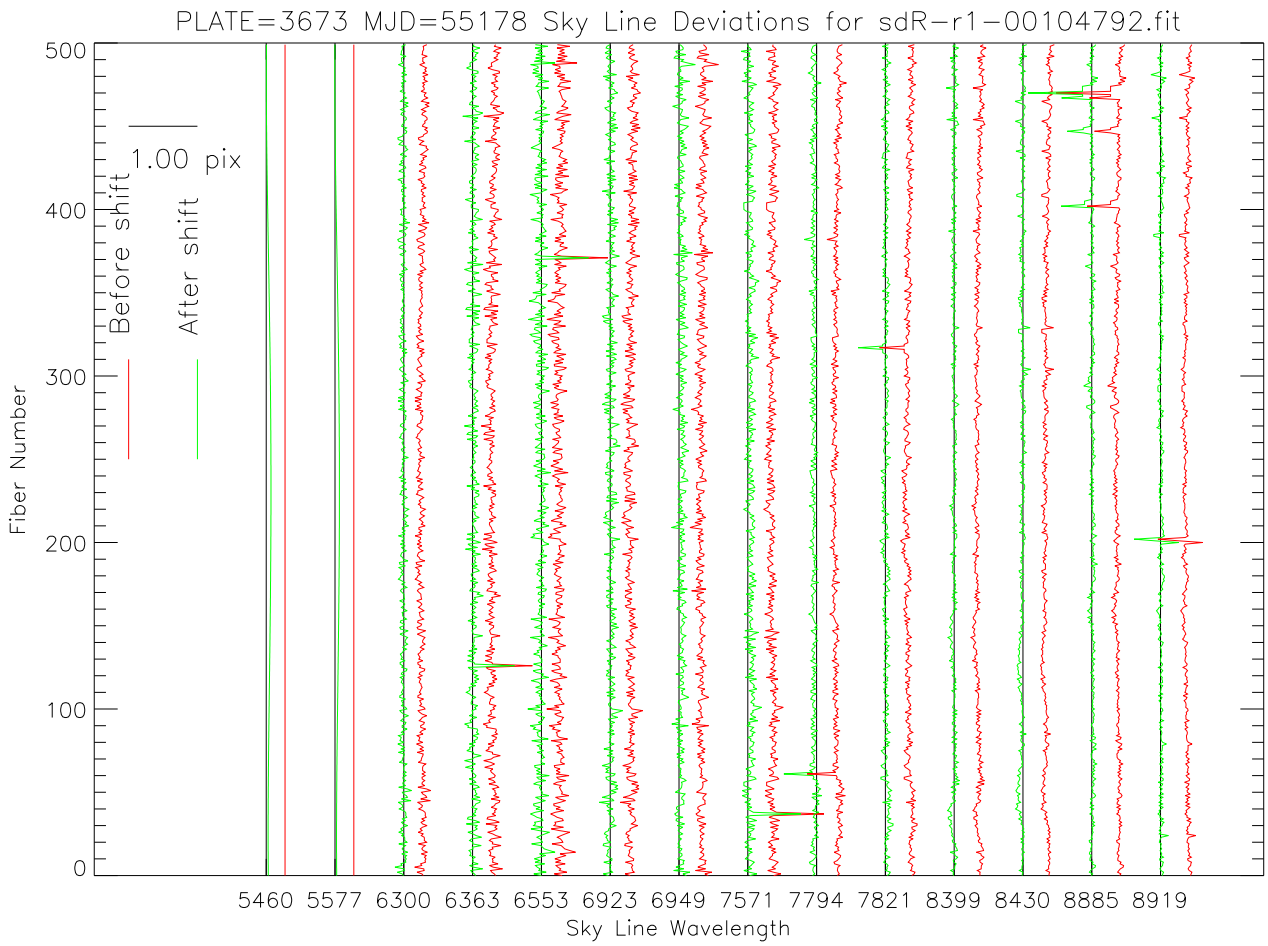


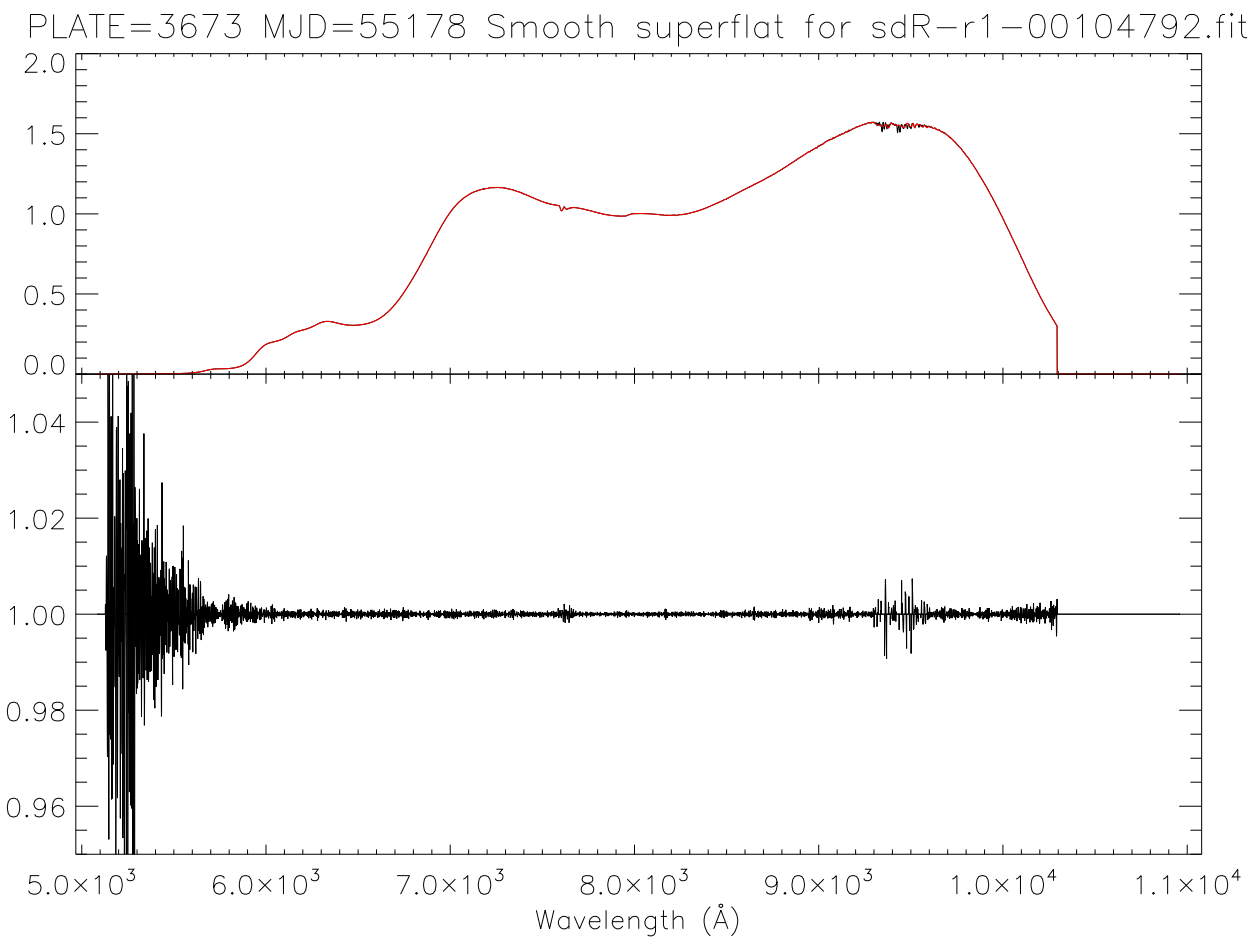

PLATE=3673 MJD=55178 sdR-r1-00104791.fit Skyline Flux at 7343,0
Flux (7343.0)/Airmass
RED = sky fiber
Dispersion = 2.09 %
Fiber number
Focal Distance [mm]
Airmass

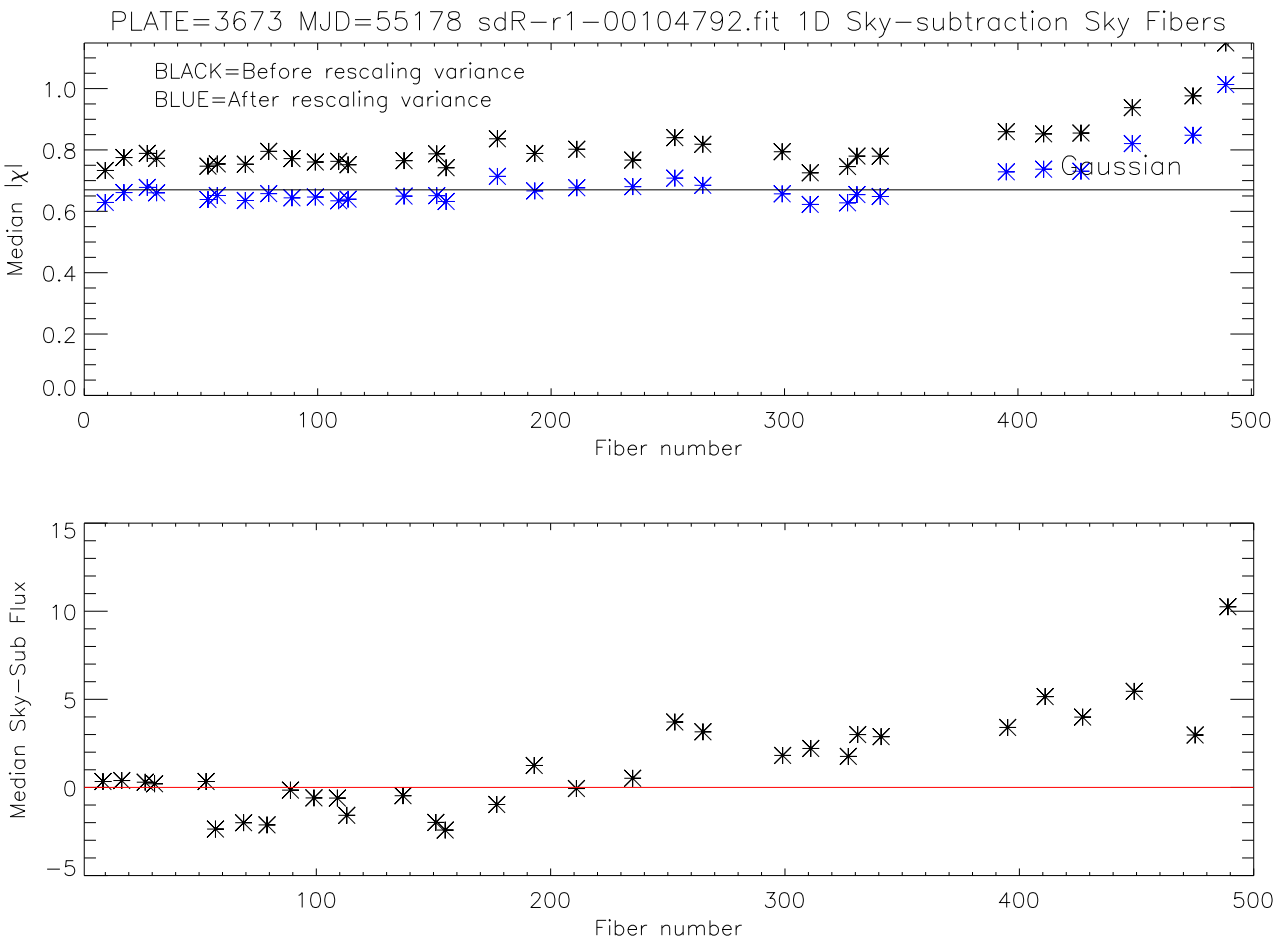

PLATE=3673 MJD=55178 sdR-r1-00104791.fit Skyline Flux at 8888.3
Flux (8888.3)/Airmass
RED = sky fiber
Dispersion = 1.22 %
Fiber number
Focal Distance [mm]
Airmass


PLATE=3673 MJD=55178 Fiber-Flats for sdR-r1-00104794.fit
BLACK = Median value
ENVELOPE = 95% of points
GREEN = Outlier points
Min value = -556.333
Max value = 34.962
Fiber-Flat
1.5
1.0
0.5
0.0
6000
7000
8000
9000
10000
λ [A]
Sat Aug 27 19:22:14 2011

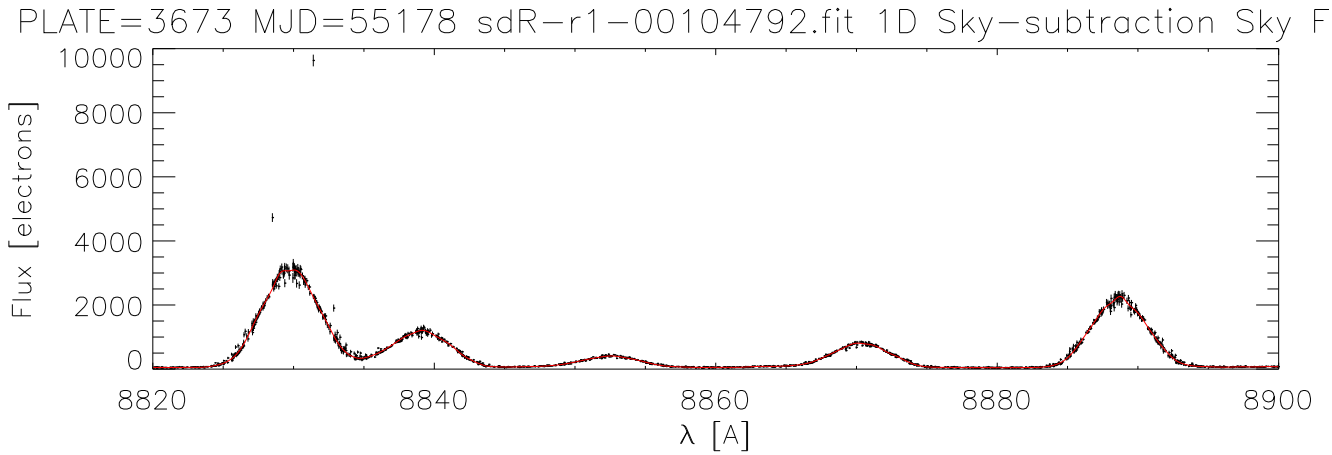

PLATE=3673 MJD=55178 Extraction chi^2 for sdR−r1−00104792.fit
BLACK = Final chisq extraction
χ^2
0.0
0.5
1.0
1.5
2.0
0
1000
2000
3000
4000
Row number

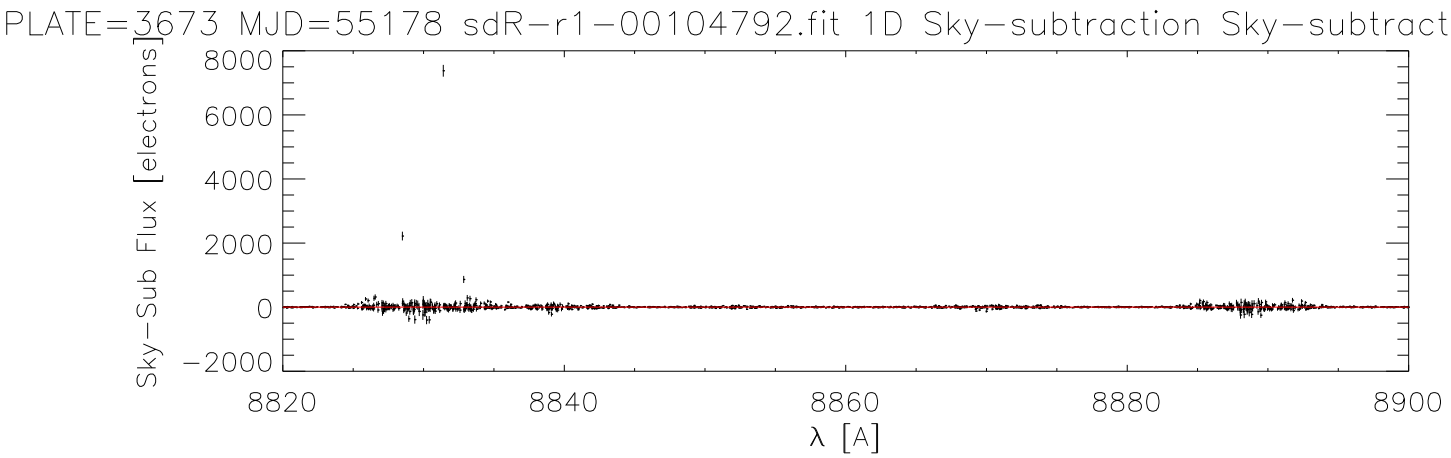

PLATE=3673 MJD=55178 Sky Line Deviations for sdR-r1-00104792.fit
Before shift
After shift
1.00 pix
Fiber Number
0
100
200
300
400
500
5460 5577 6300 6363 6553 6923 6949 7571 7794 7821 8399 8430 8885 8919
Sky Line Wavelength


PLATE=3673 MJD=55178 Smooth superflat for sdR-r1-00104792.fit
2.0
1.5
1.0
0.5
0.0
1.04
1.02
1.00
0.98
0.96
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
Wavelength (Å)

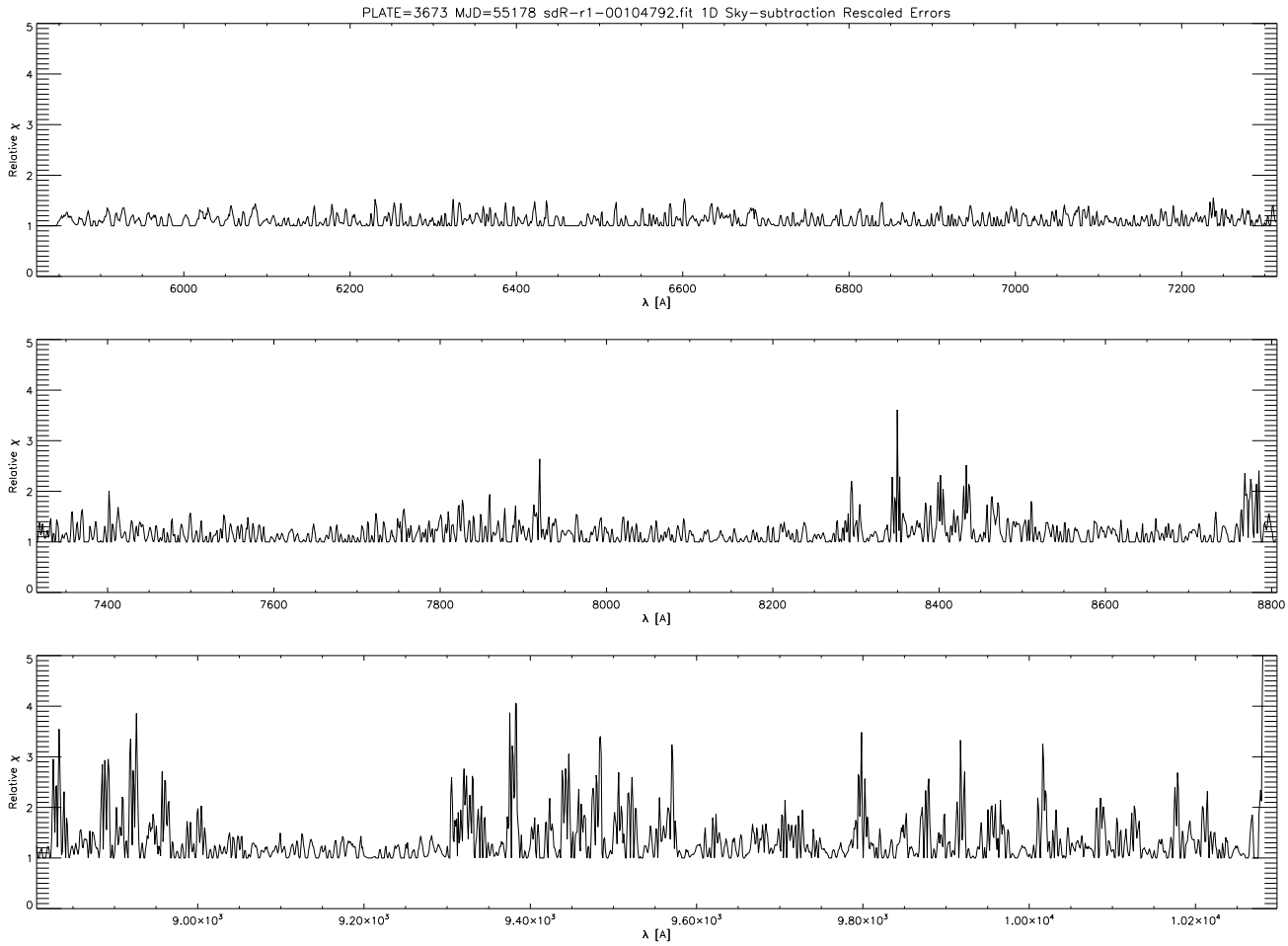

PLATE=3673 MJD=55178 sdR-r1-00104792.fit 1D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number

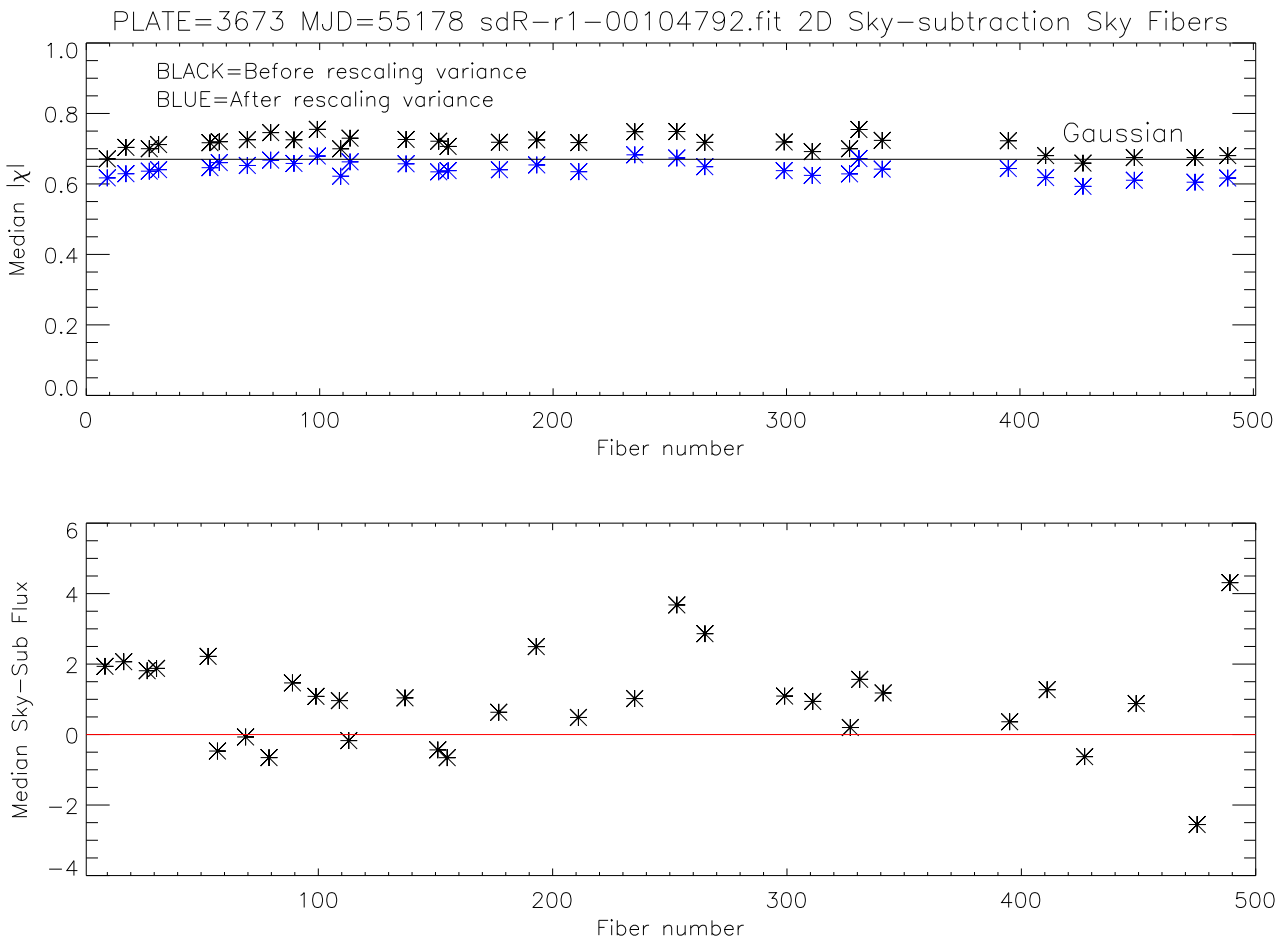
Median Sky-Sub Flux
Fiber number

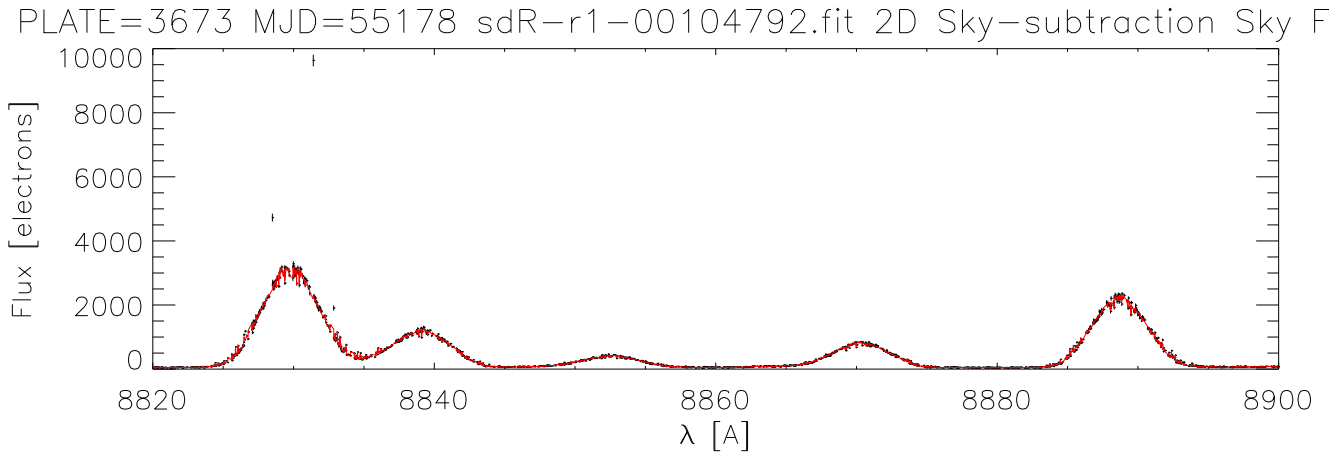

PLATE=3673 MJD=55178 sdR-r1-00104792.fit 1D Sky-subtraction Sky Fibers
Flux [electrons]
10000
8000
6000
4000
2000
0
8820
8840
8860
8880
8900
λ [A]

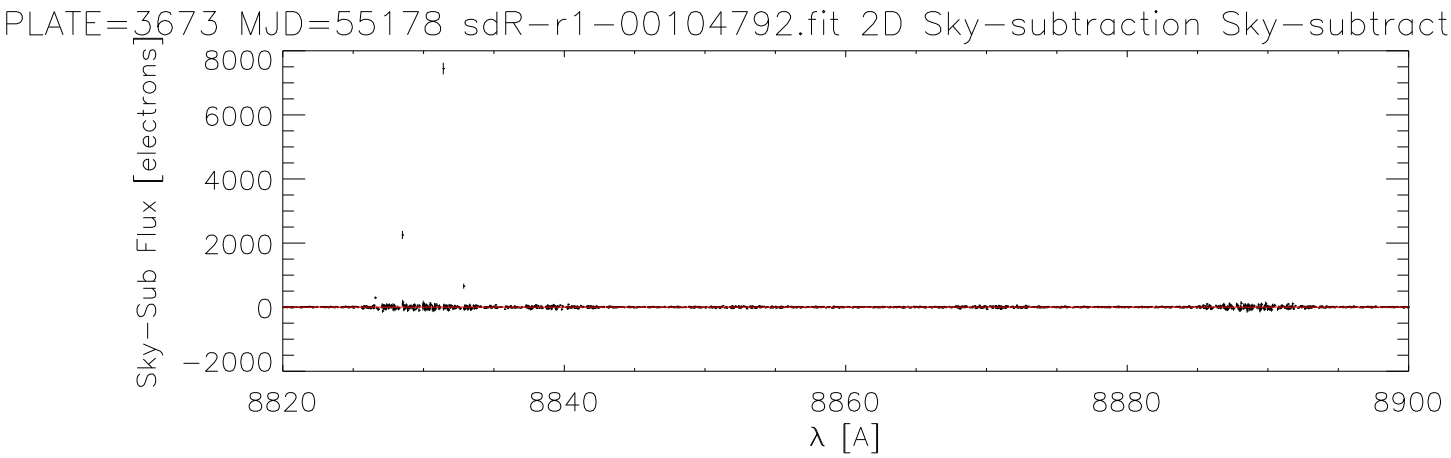

PLATE=3673 MJD=55178 sdR-r1-00104792.fit 1D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
8000
6000
4000
2000
0
-2000
8820
8840
8860
8880
8900
λ [A]

Number of sky fibers = 32

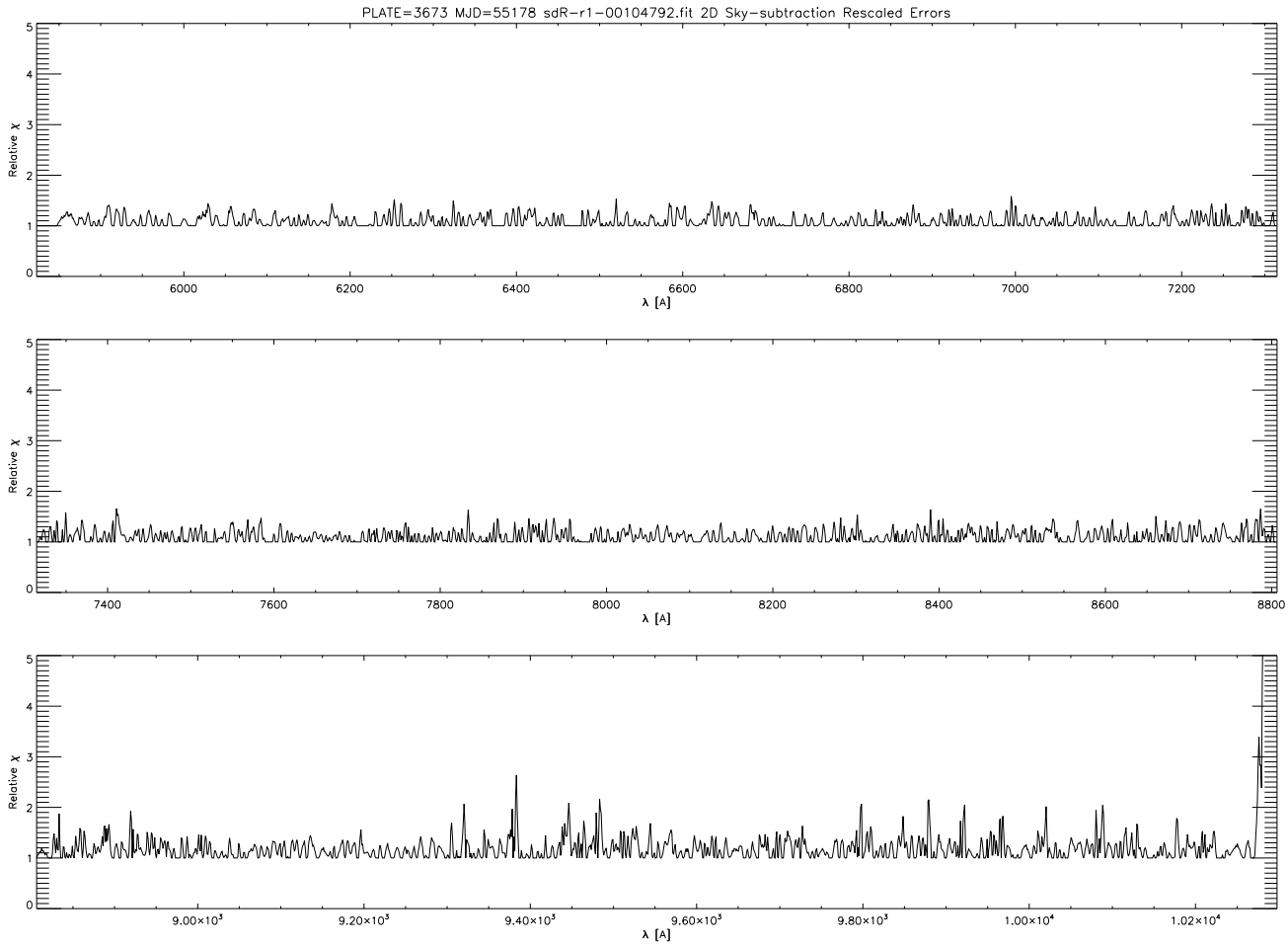


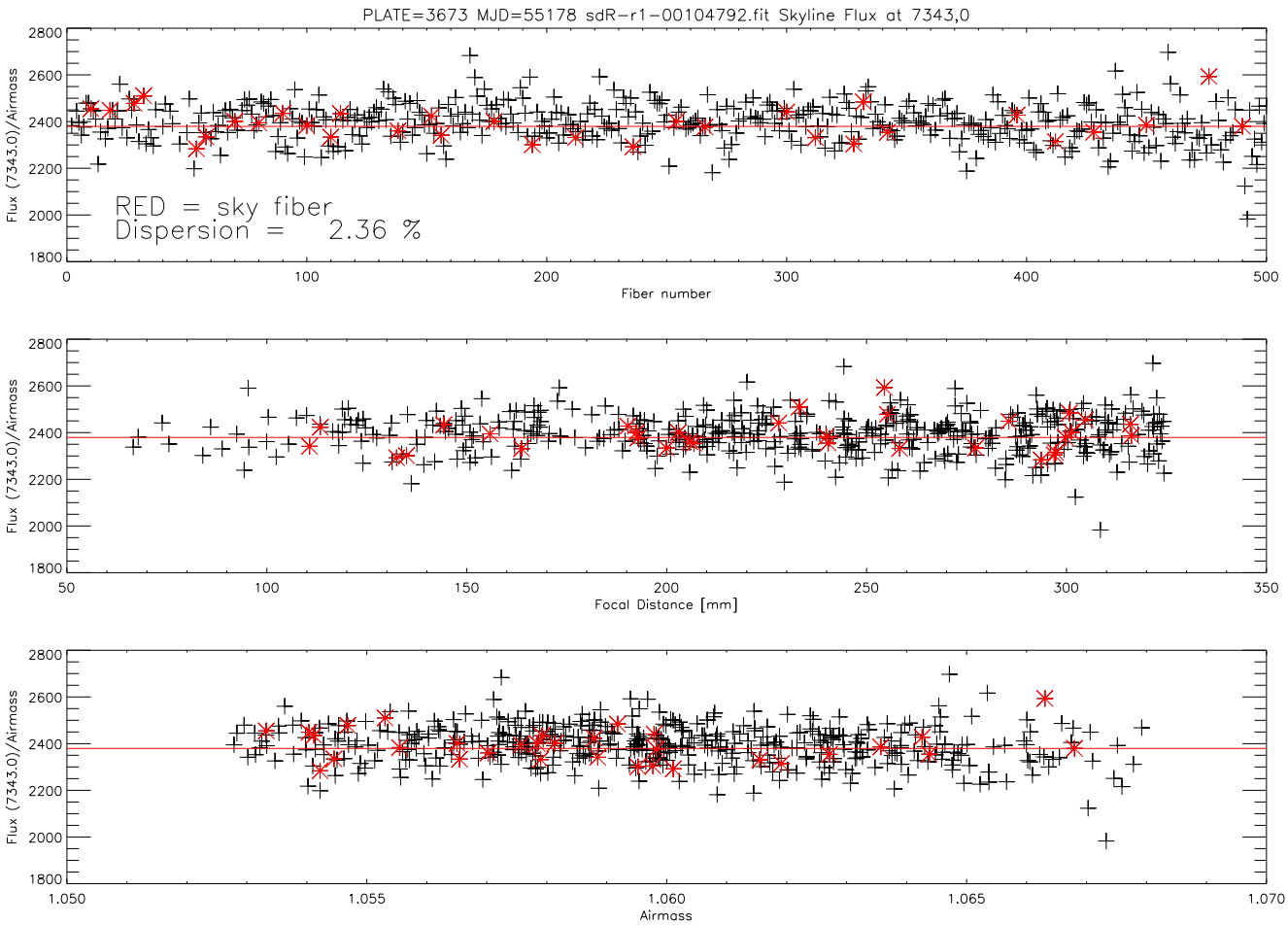

PLATE=3673 MJD=55178 sdR-r1-00104792.fit 2D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

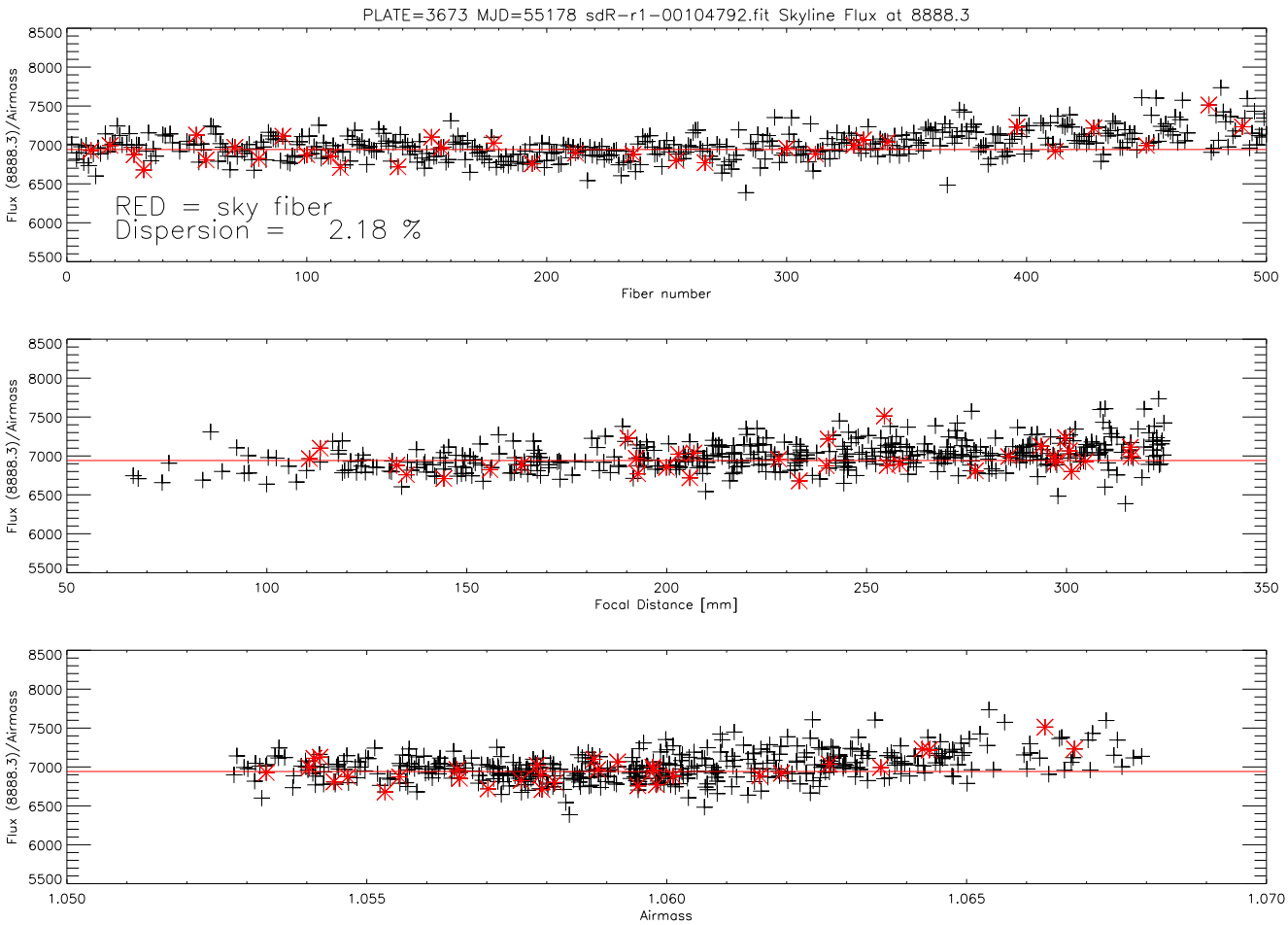

PLATE=3673 MJD=55178 sdR-r1-00104792.fit 2D Sky-subtraction Sky Fibers
Flux [electrons]
10000
8000
6000
4000
2000
0
8820
8840
8860
8880
8900
λ [A]

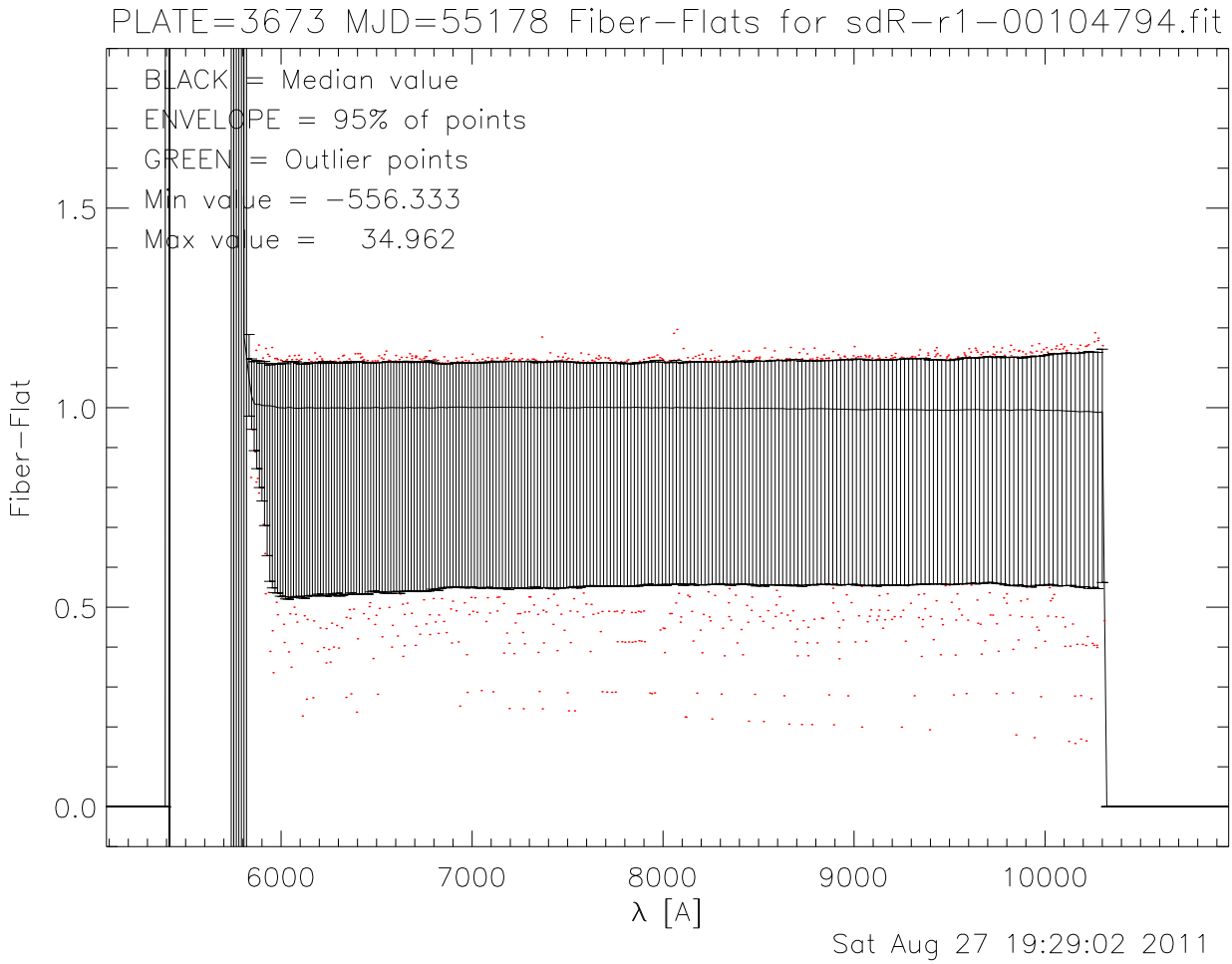

PLATE=3673 MJD=55178 sdR-r1-00104792.fit 2D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
8000
6000
4000
2000
0
-2000
8820
8840
8860
8880
8900
λ [A]

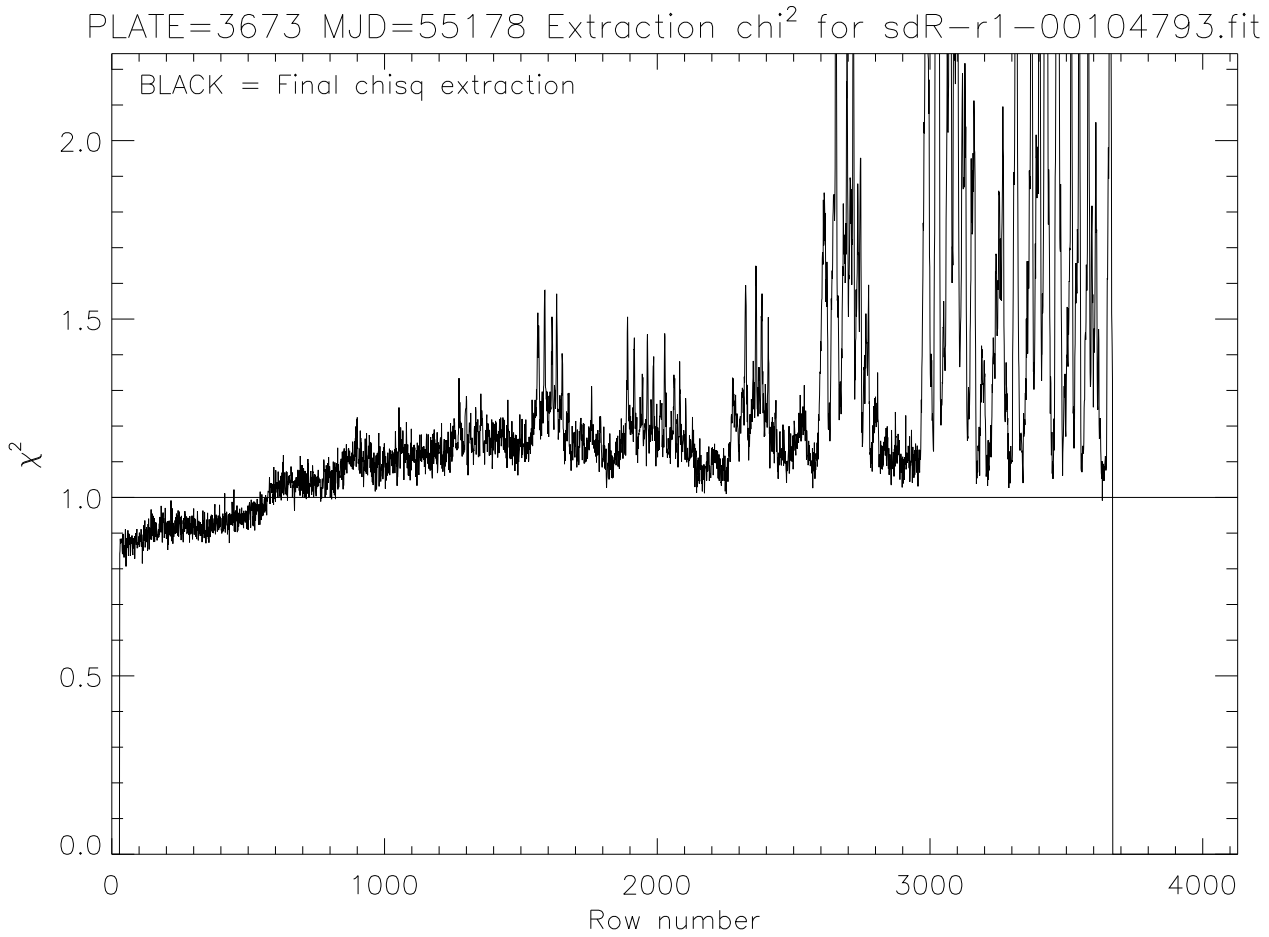
Number of sky fibers = 32

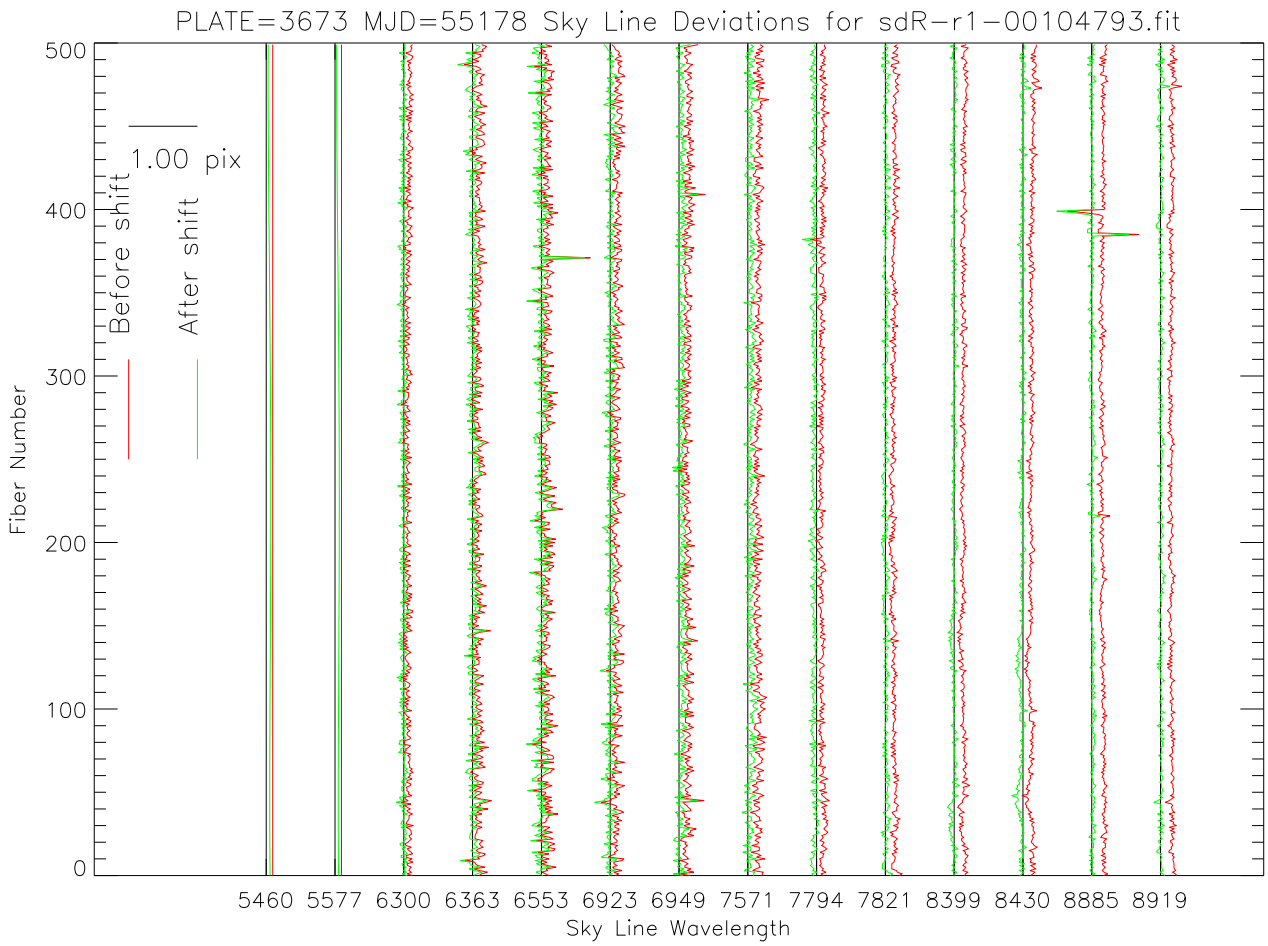


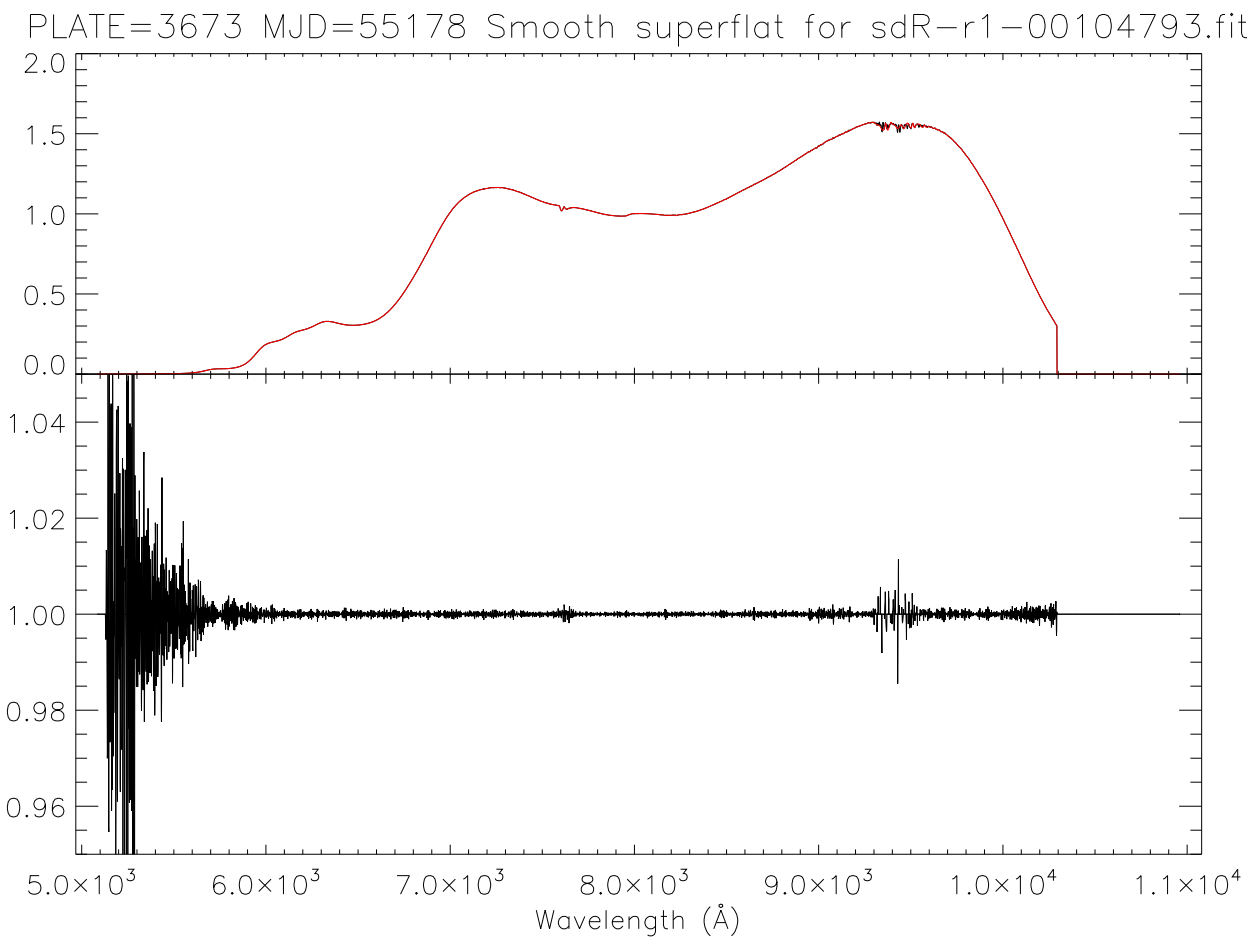

PLATE=3673 MJD=55178 sdR-r1-00104792.fit Skyline Flux at 7343,0
Flux (7343.0)/Airmass
RED = sky fiber
Dispersion = 2.36 %
Fiber number
Focal Distance [mm]
Airmass

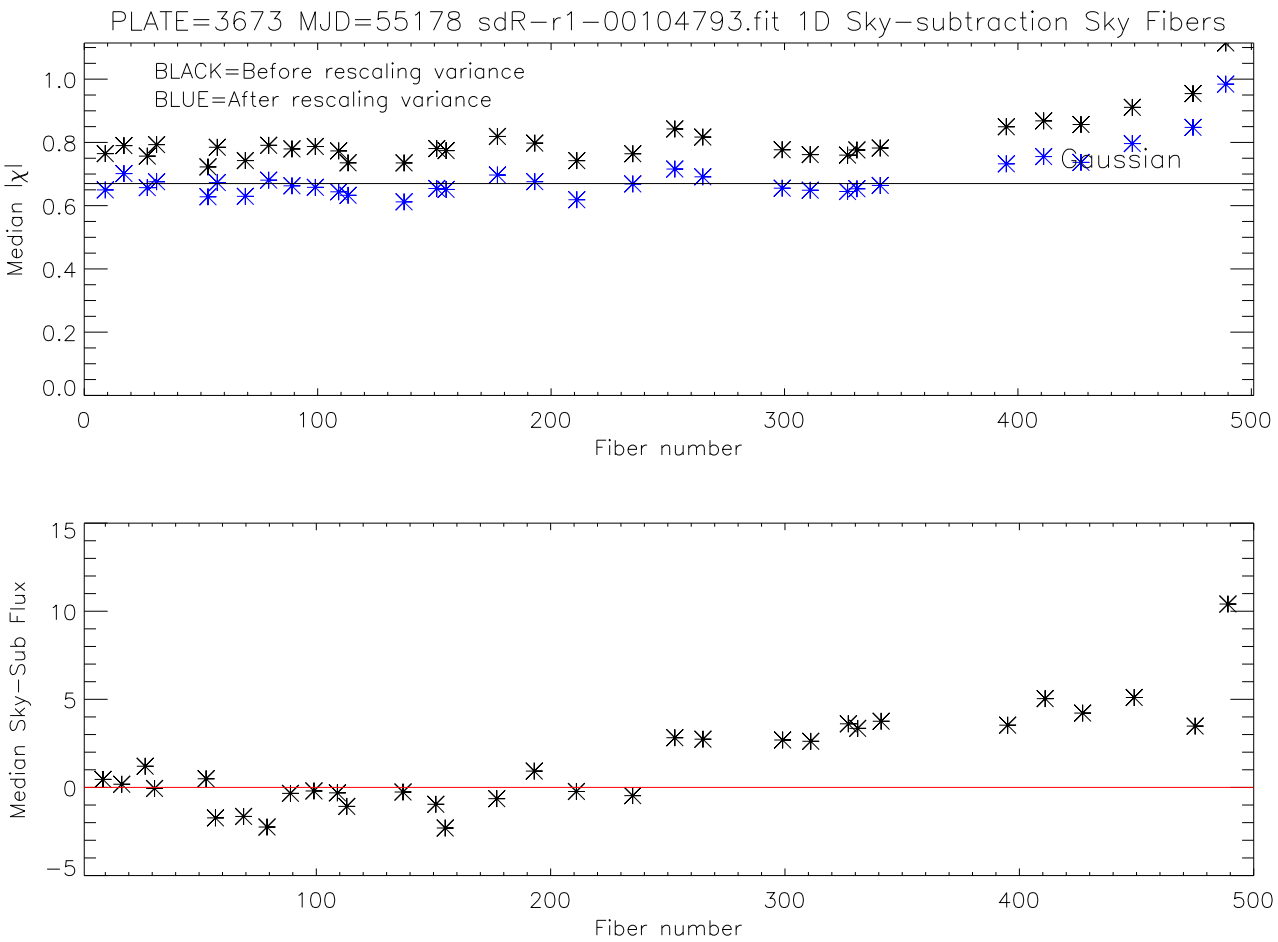

PLATE=3673 MJD=55178 sdR-r1-00104792.fit Skyline Flux at 8888.3
Flux (8888.3)/Airmass
RED = sky fiber
Dispersion = 2.18 %
Fiber number
Focal Distance [mm]
Airmass

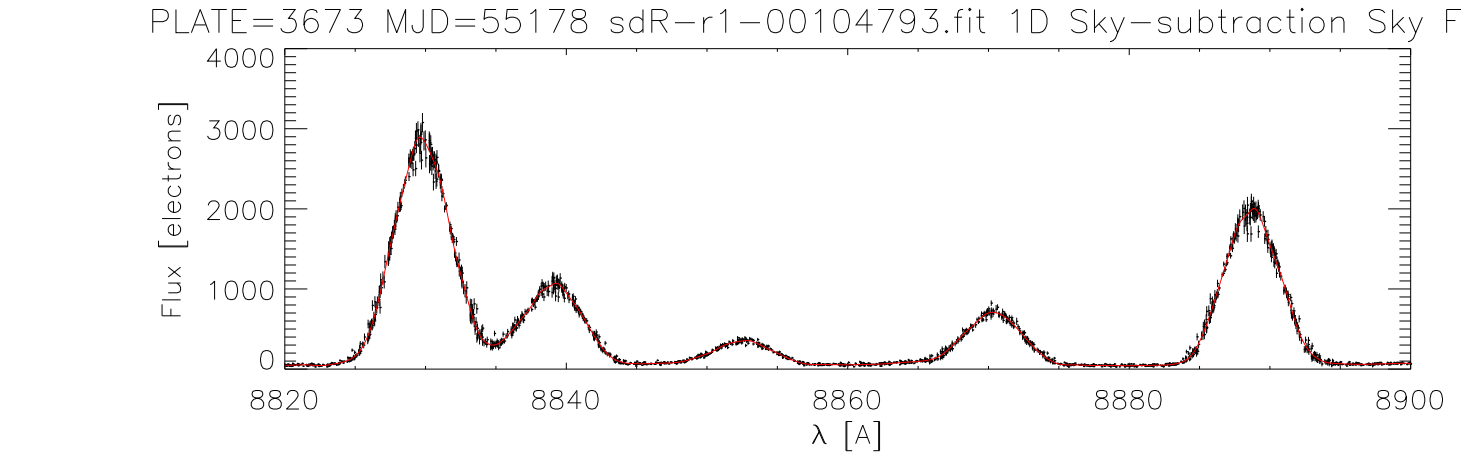

PLATE=3673 MJD=55178 Fiber-Flats for sdR-r1-00104794.fit
BLACK = Median value
ENVELOPE = 95% of points
GREEN = Outlier points
Min value = -556.333
Max value = 34.962
Fiber-Flat
1.5
1.0
0.5
0.0
6000
7000
8000
9000
10000
λ [A]
Sat Aug 27 19:29:02 2011

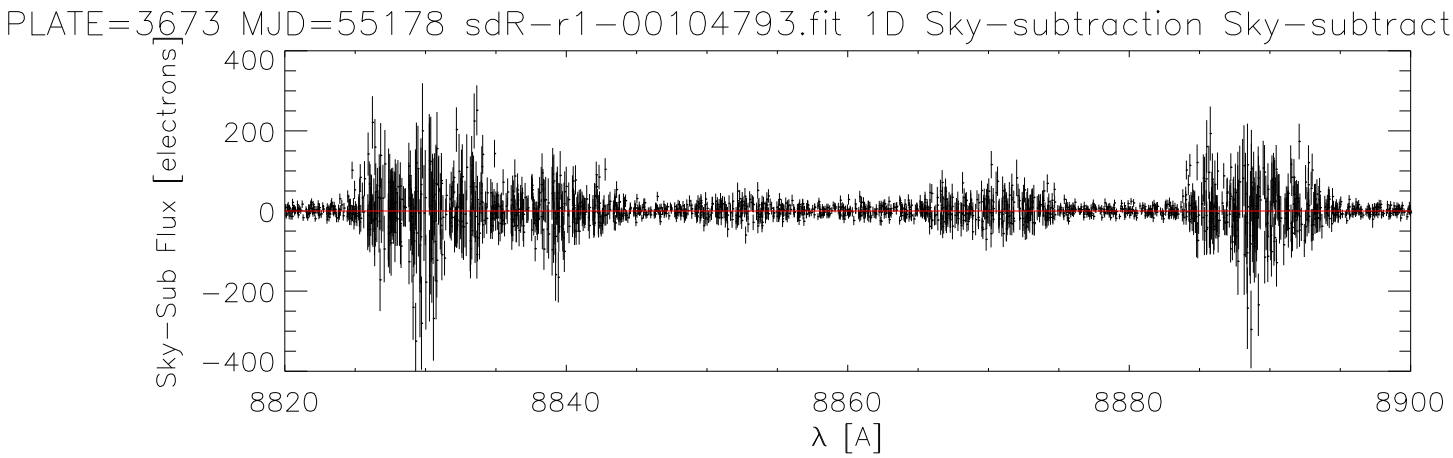

PLATE=3673 MJD=55178 Extraction chi^2 for sdR−r1−00104793.fit
BLACK = Final chisq extraction
χ^2
0.0
0.5
1.0
1.5
2.0
0
1000
2000
3000
4000
Row number


PLATE=3673 MJD=55178 Sky Line Deviations for sdR-r1-00104793.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

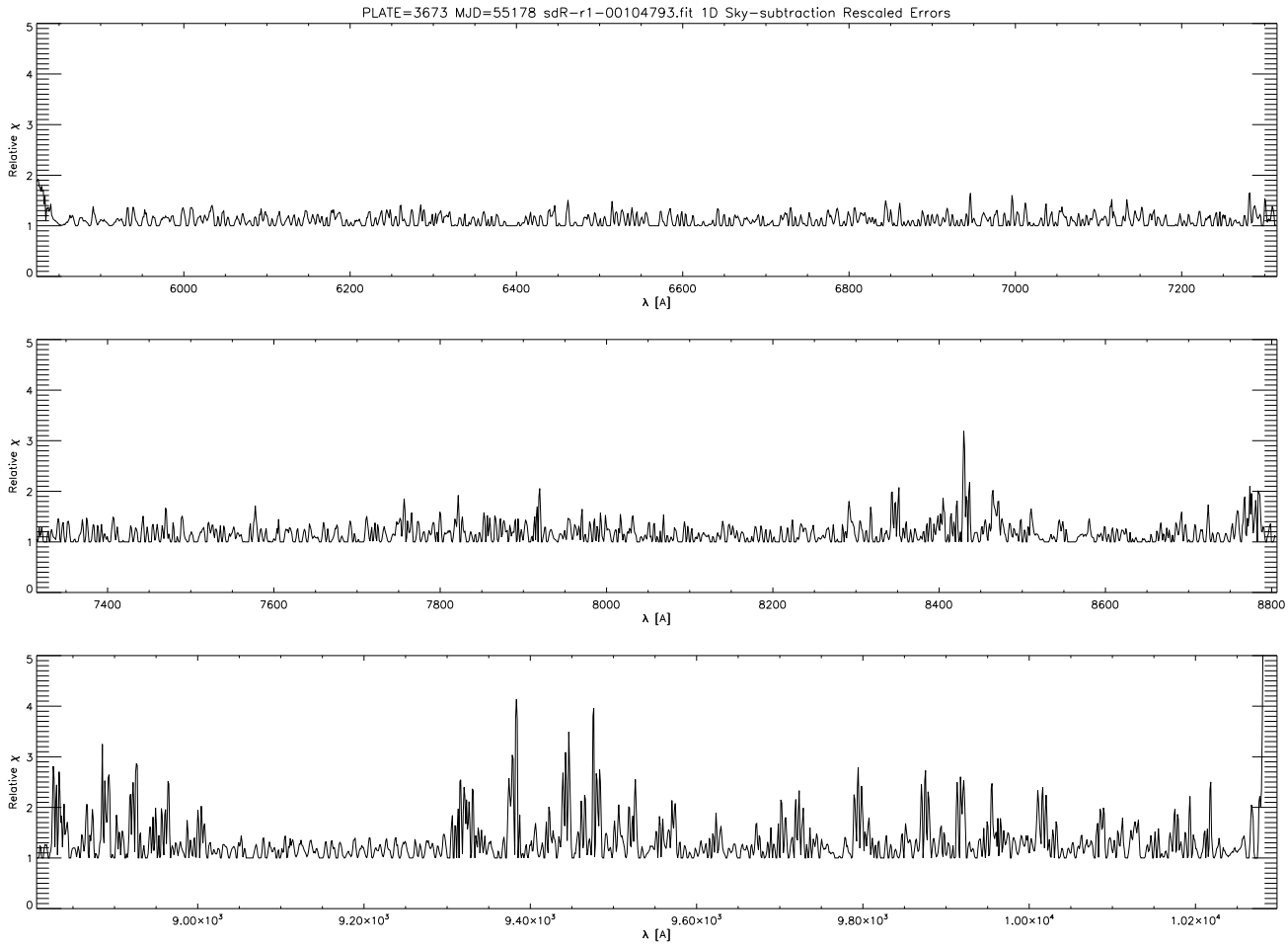

PLATE=3673 MJD=55178 Smooth superflat for sdR-r1-00104793.fit
2.0
1.5
1.0
0.5
0.0
1.04
1.02
1.00
0.98
0.96
5.0×10^3
6.0×10^3
7.0×10^3
8.0×10^3
9.0×10^3
1.0×10^4
1.1×10^4
Wavelength (Å)

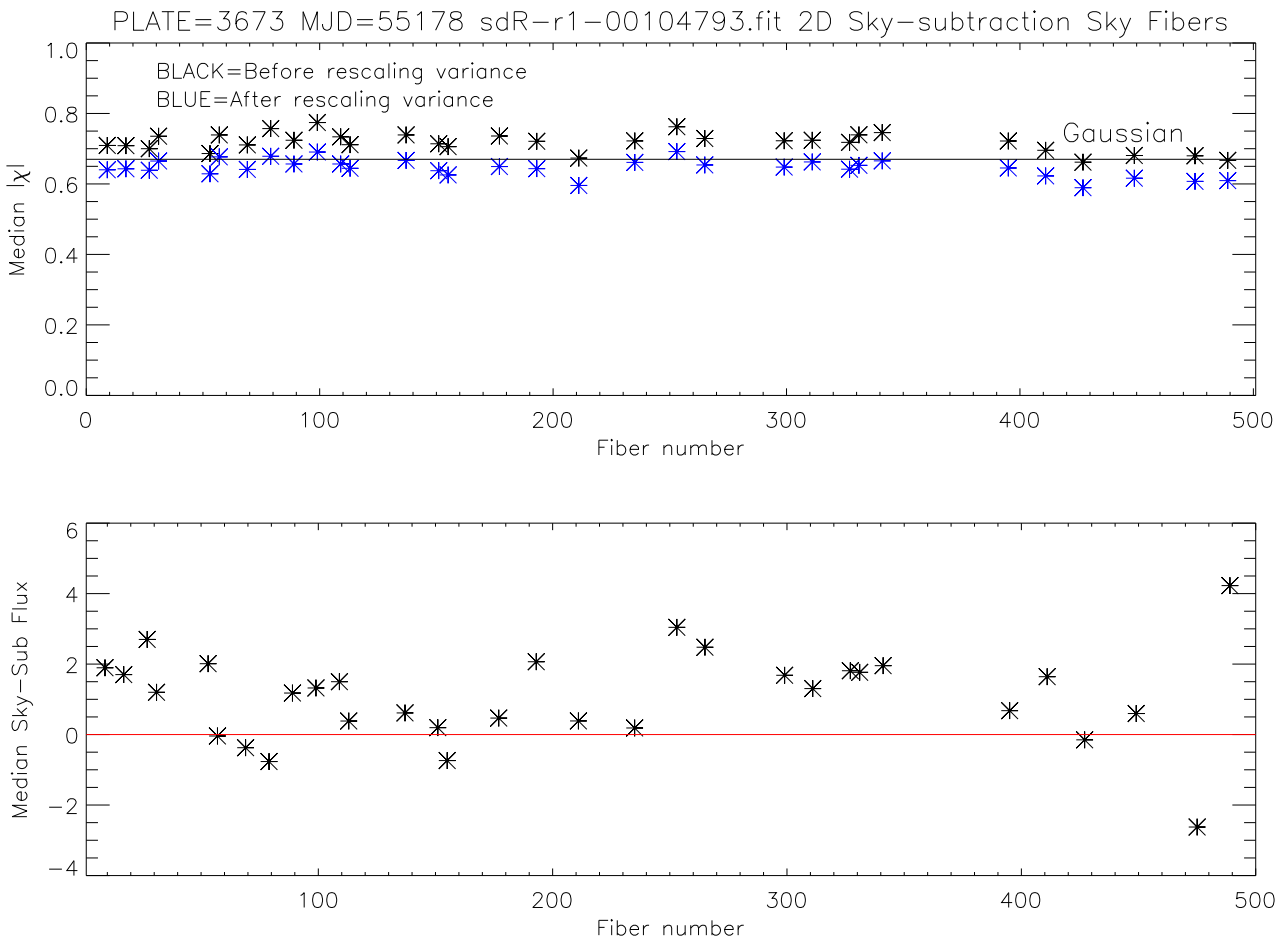

PLATE=3673 MJD=55178 sdR-r1-00104793.fit 1D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

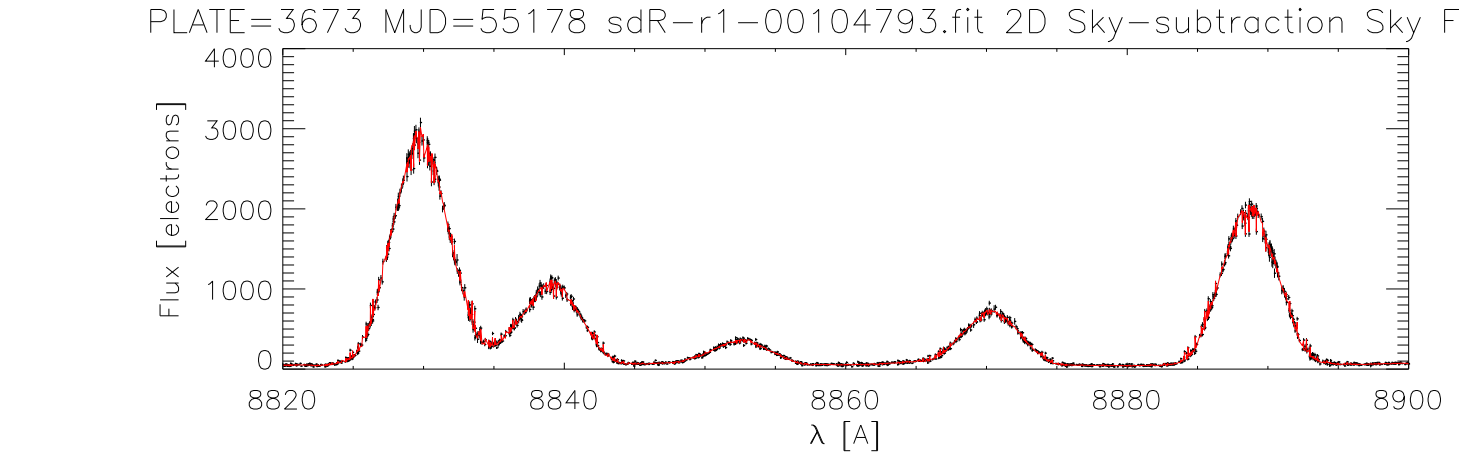

PLATE=3673 MJD=55178 sdR-r1-00104793.fit 1D Sky-subtraction Sky Fibers
Flux [electrons]
4000
3000
2000
1000
0
8820
8840
8860
8880
8900
λ [A]

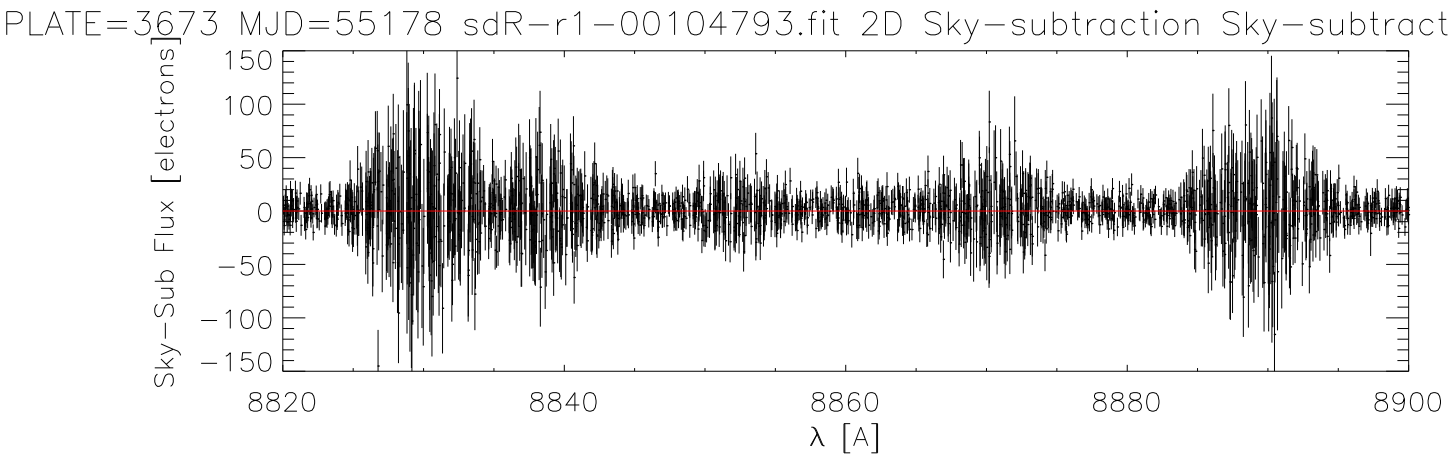

PLATE=3673 MJD=55178 sdR-r1-00104793.fit 1D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
400
200
0
-200
-400
8820
8840
8860
8880
8900
λ [A]

Number of sky fibers = 32

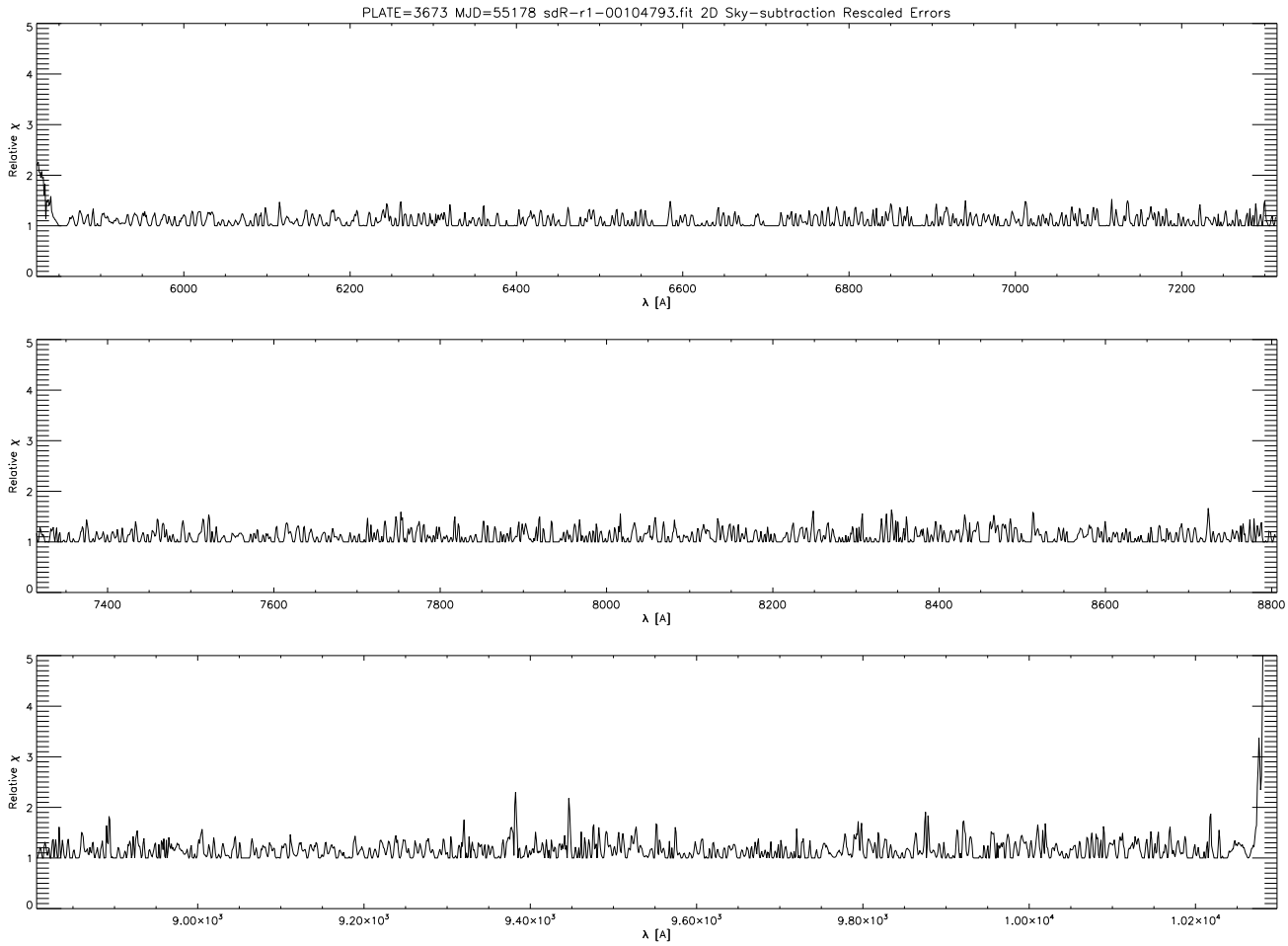


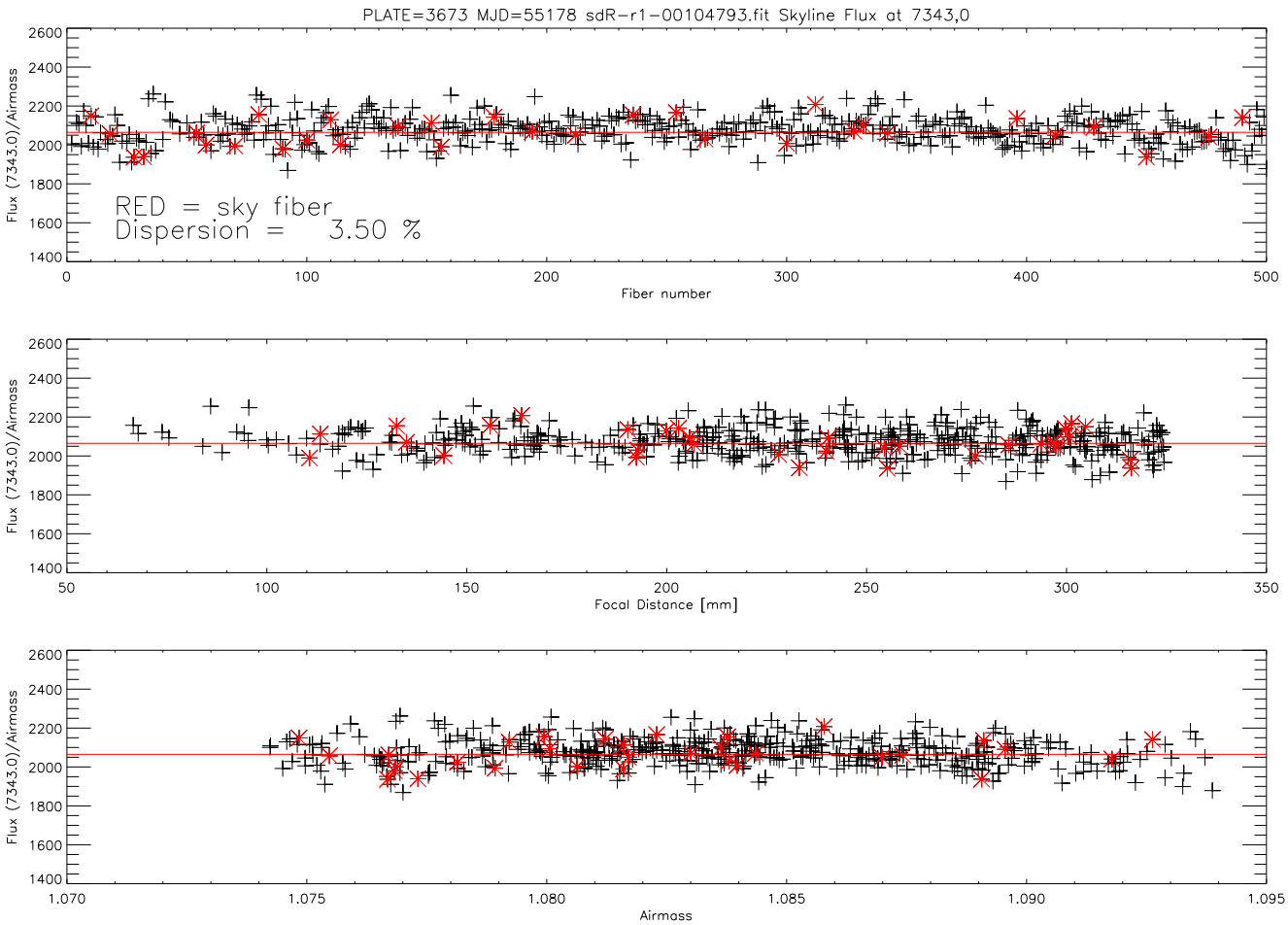

PLATE=3673 MJD=55178 sdR-r1-00104793.fit 2D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

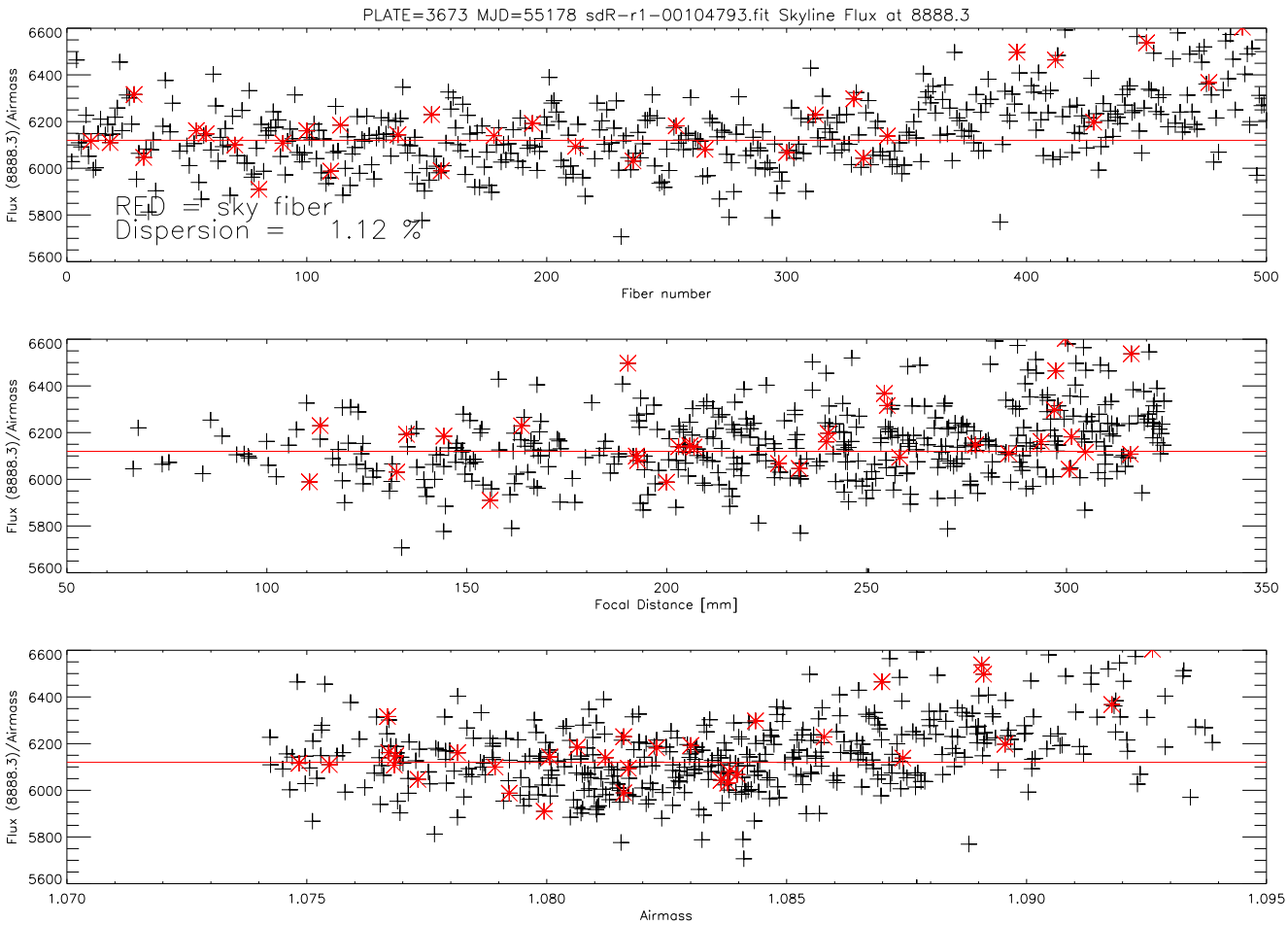

PLATE=3673 MJD=55178 sdR-r1-00104793.fit 2D Sky-subtraction Sky Fibers
Flux [electrons]
4000
3000
2000
1000
0
8820
8840
8860
8880
8900
λ [A]

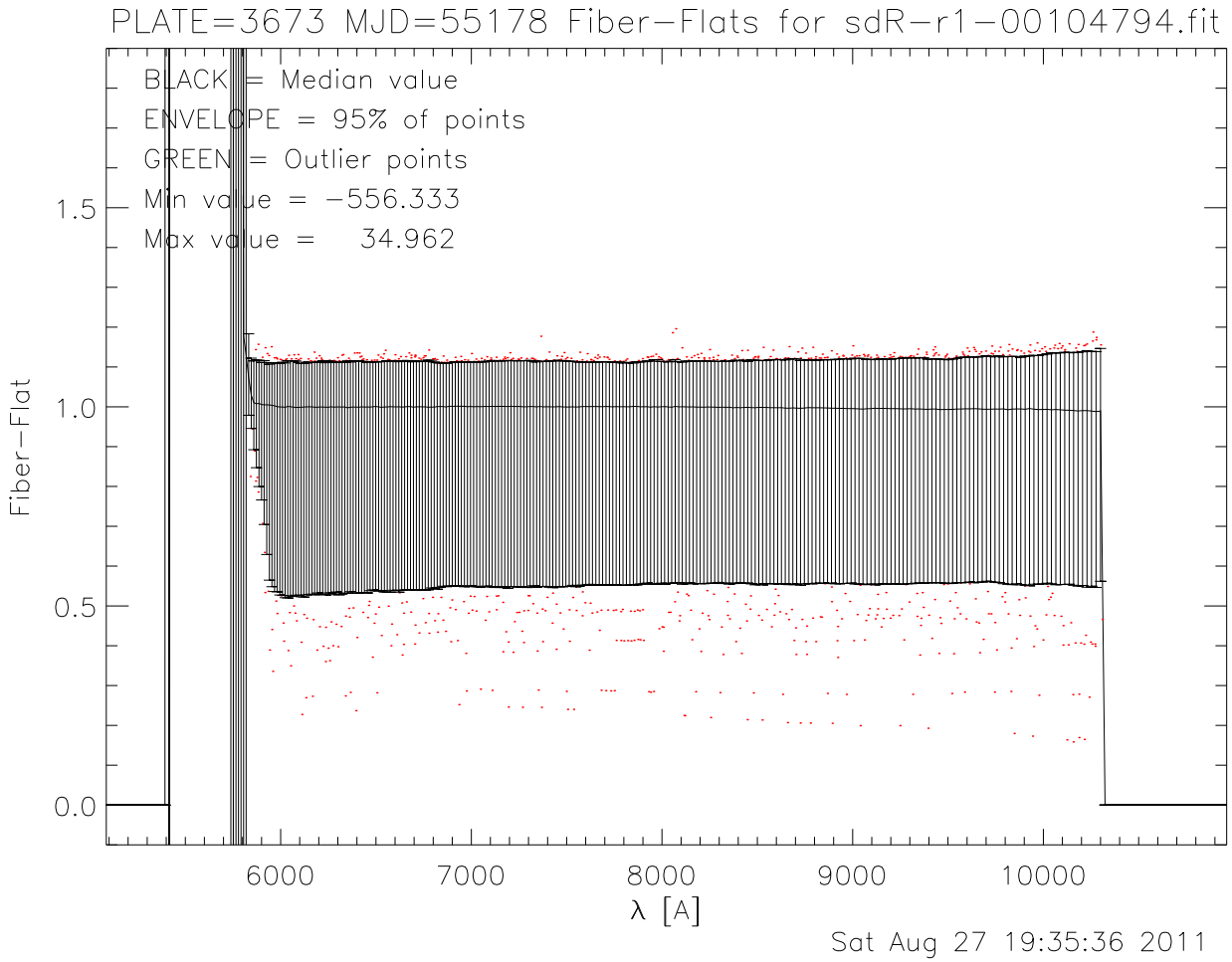

PLATE=3673 MJD=55178 sdR-r1-00104793.fit 2D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
150
100
50
0
-50
-100
-150
8820
8840
8860
8880
8900
λ [A]

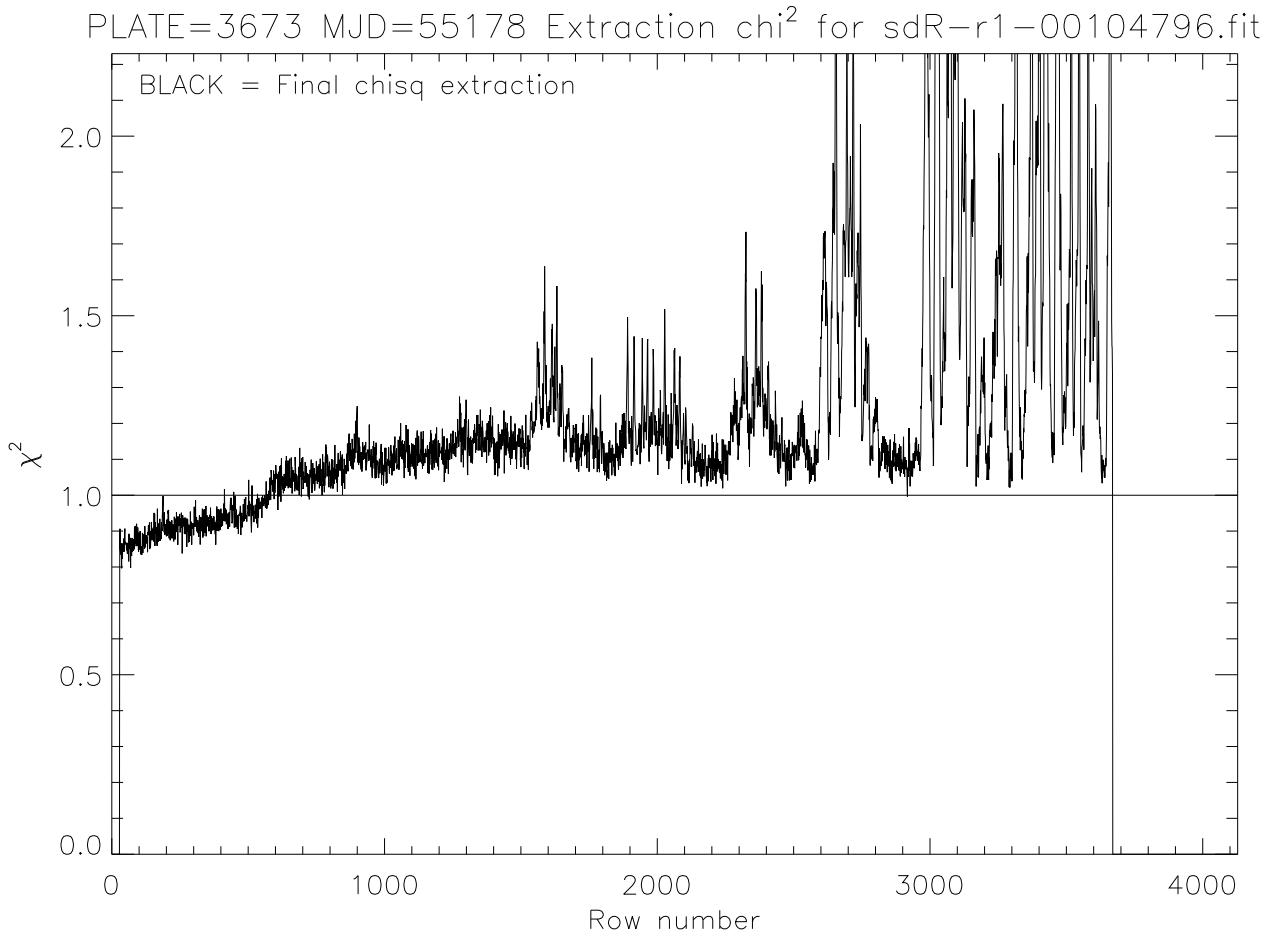
Number of sky fibers = 32

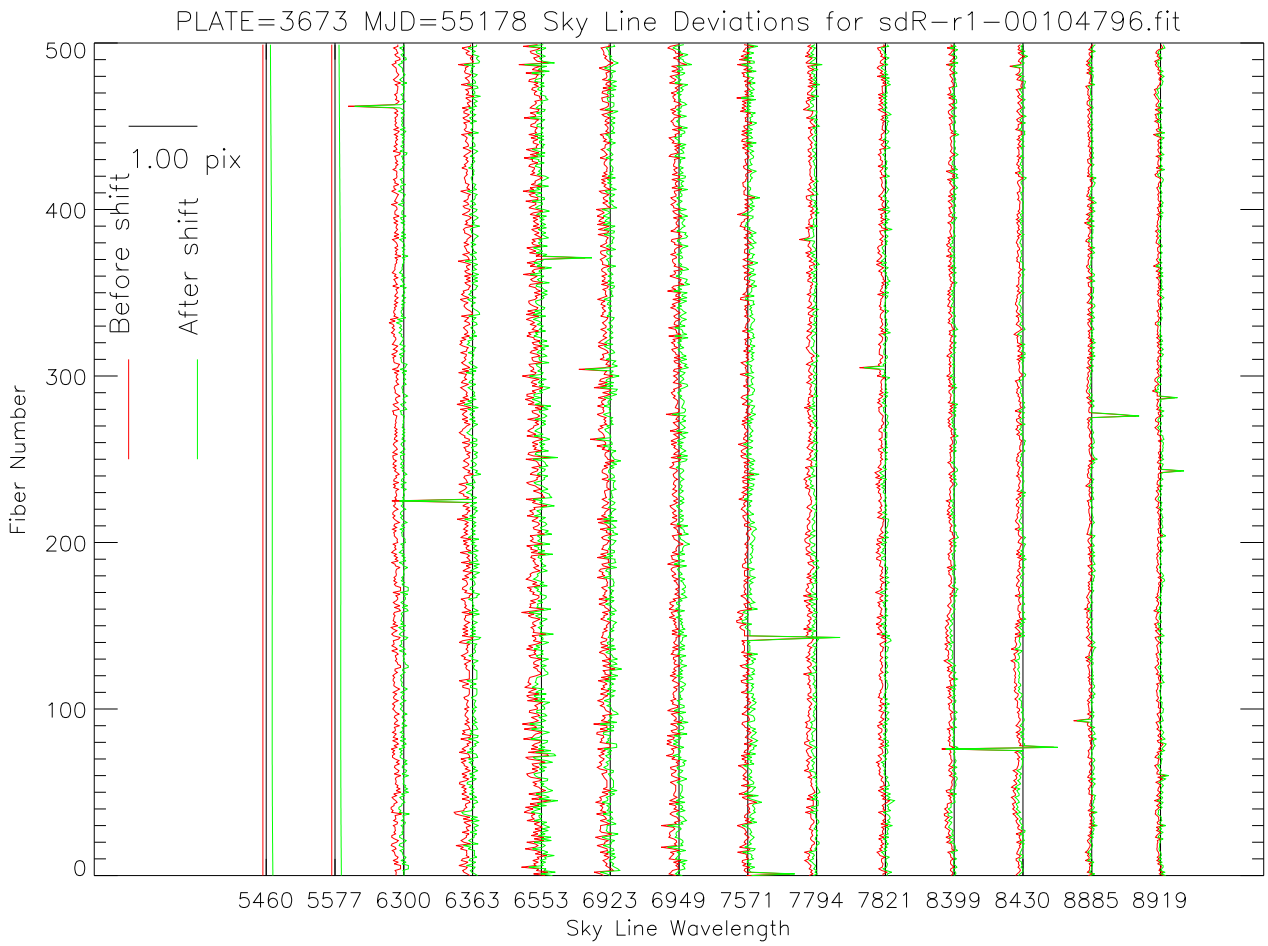


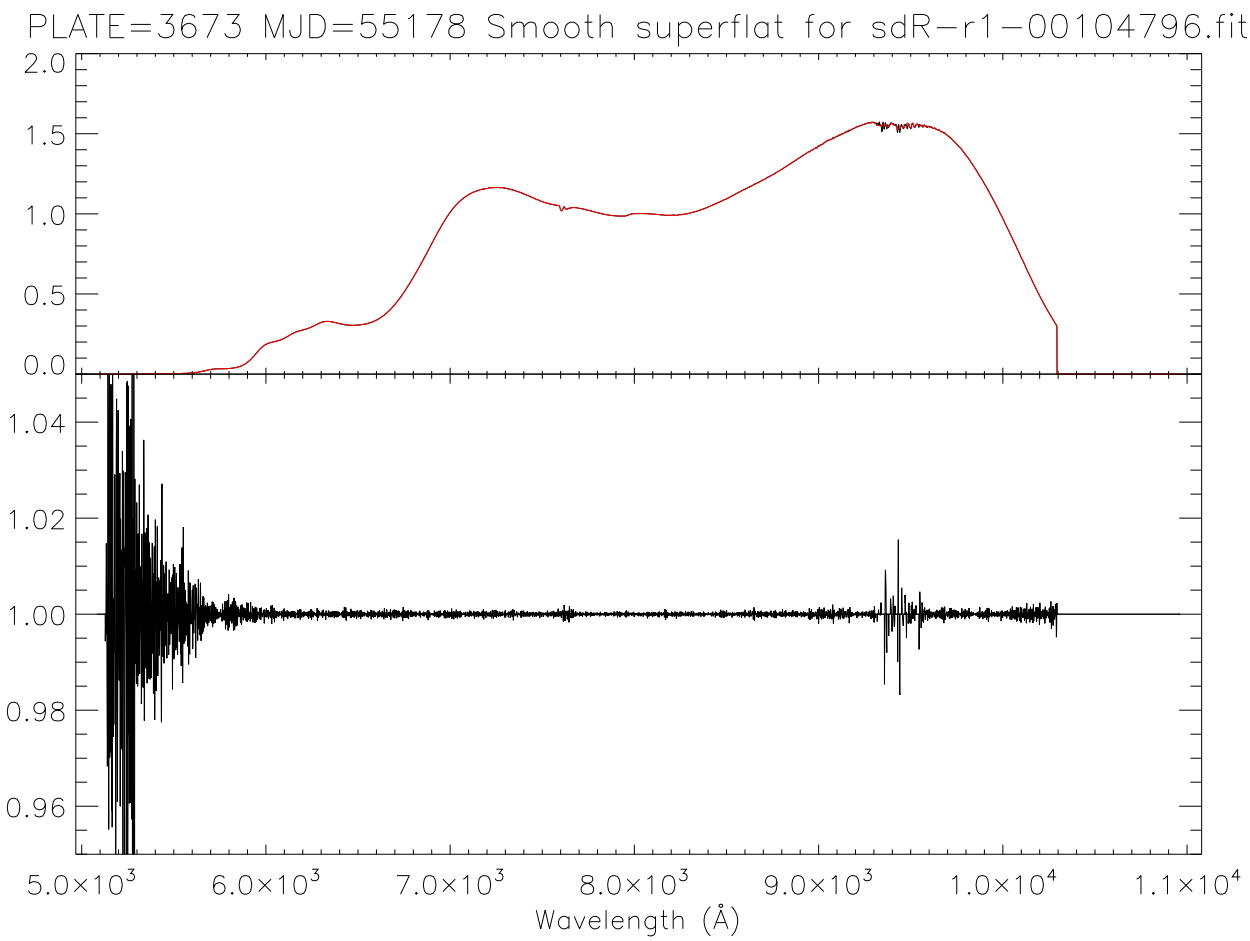

PLATE=3673 MJD=55178 sdR-r1-00104793.fit Skyline Flux at 7343,0
Flux (7343.0)/Airmass
RED = sky fiber
Dispersion = 3.50 %
Fiber number
Flux (7343.0)/Airmass
Focal Distance [mm]
Flux (7343.0)/Airmass
Airmass

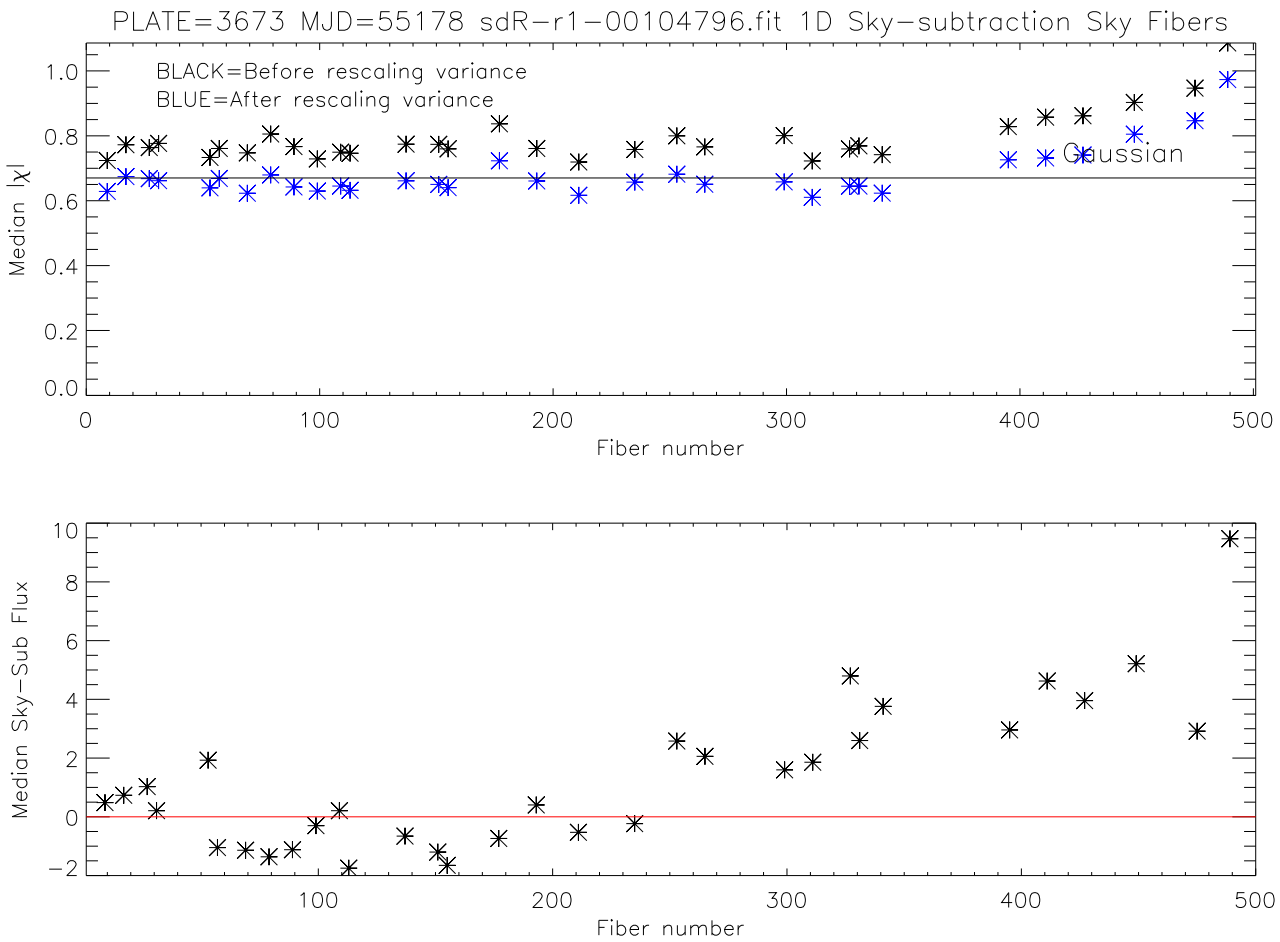

PLATE=3673 MJD=55178 sdR-r1-00104793.fit Skyline Flux at 8888.3
Flux (8888.3)/Airmass
Fiber number
RED = sky fiber
Dispersion = 1.12 %
Flux (8888.3)/Airmass
Focal Distance [mm]
Flux (8888.3)/Airmass
Airmass

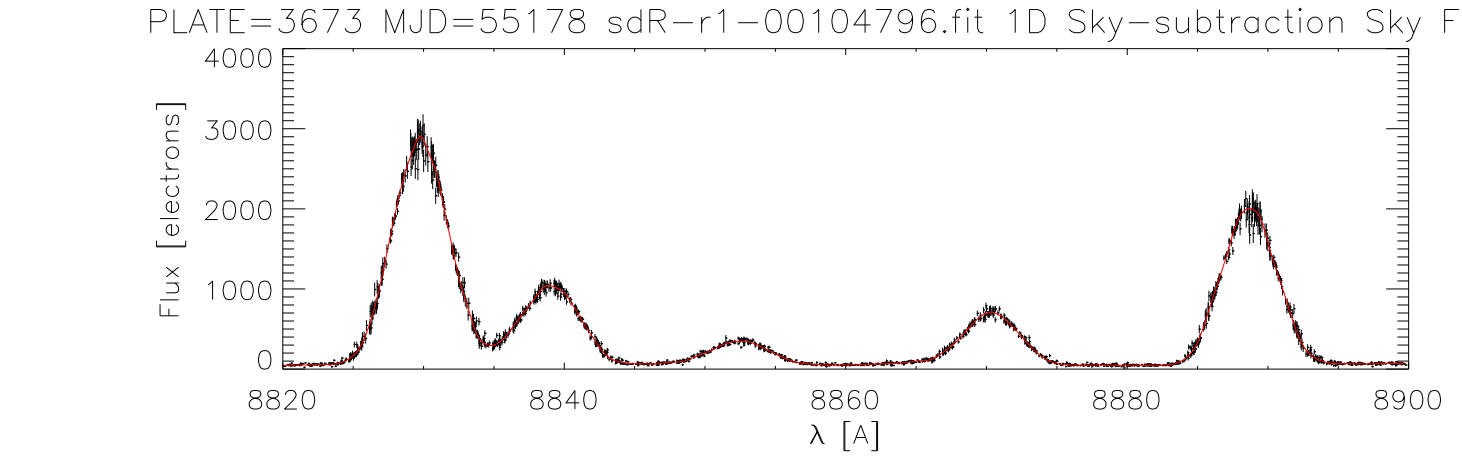

PLATE=3673 MJD=55178 Fiber-Flats for sdR-r1-00104794.fit
BLACK = Median value
ENVELOPE = 95% of points
GREEN = Outlier points
Min value = -556.333
Max value = 34.962
Fiber-Flat
1.5
1.0
0.5
0.0
6000
7000
8000
9000
10000
λ [A]
Sat Aug 27 19:35:36 2011

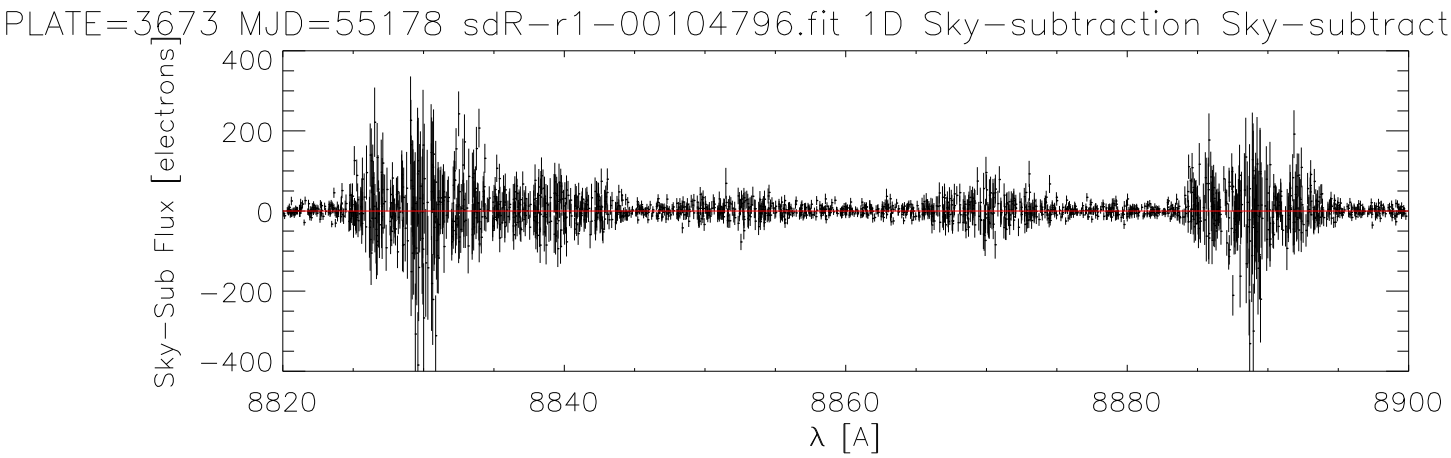

PLATE=3673 MJD=55178 Extraction chi^2 for sdR−r1−00104796.fit
BLACK = Final chisq extraction
χ^2
2.0
1.5
1.0
0.5
0.0
0
1000
2000
3000
4000
Row number


PLATE=3673 MJD=55178 Sky Line Deviations for sdR-r1-00104796.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

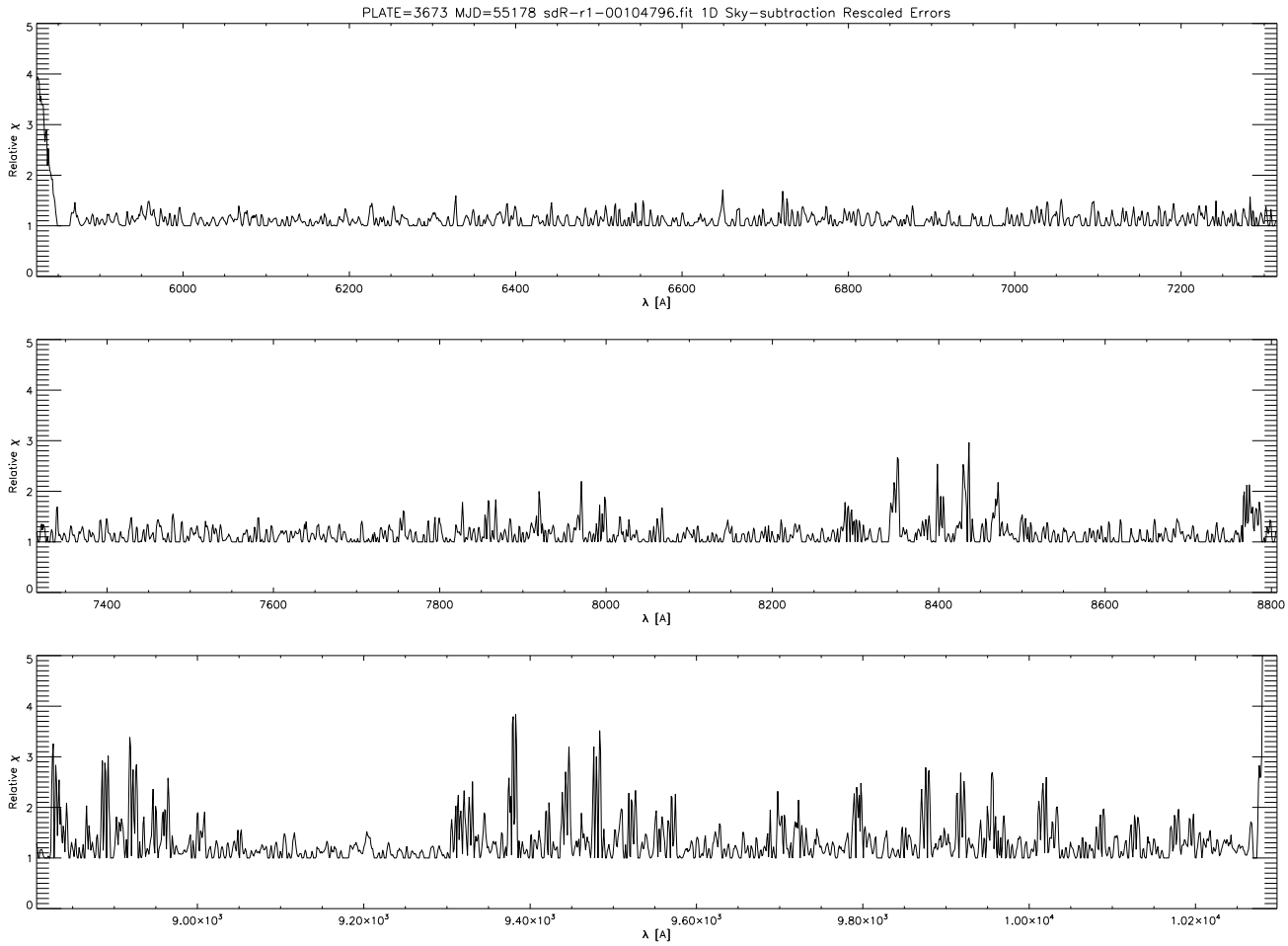

PLATE=3673 MJD=55178 Smooth superflat for sdR-r1-00104796.fit
2.0
1.5
1.0
0.5
0.0
1.04
1.02
1.00
0.98
0.96
5.0×10^3
6.0×10^3
7.0×10^3
8.0×10^3
9.0×10^3
1.0×10^4
1.1×10^4
Wavelength (Å)

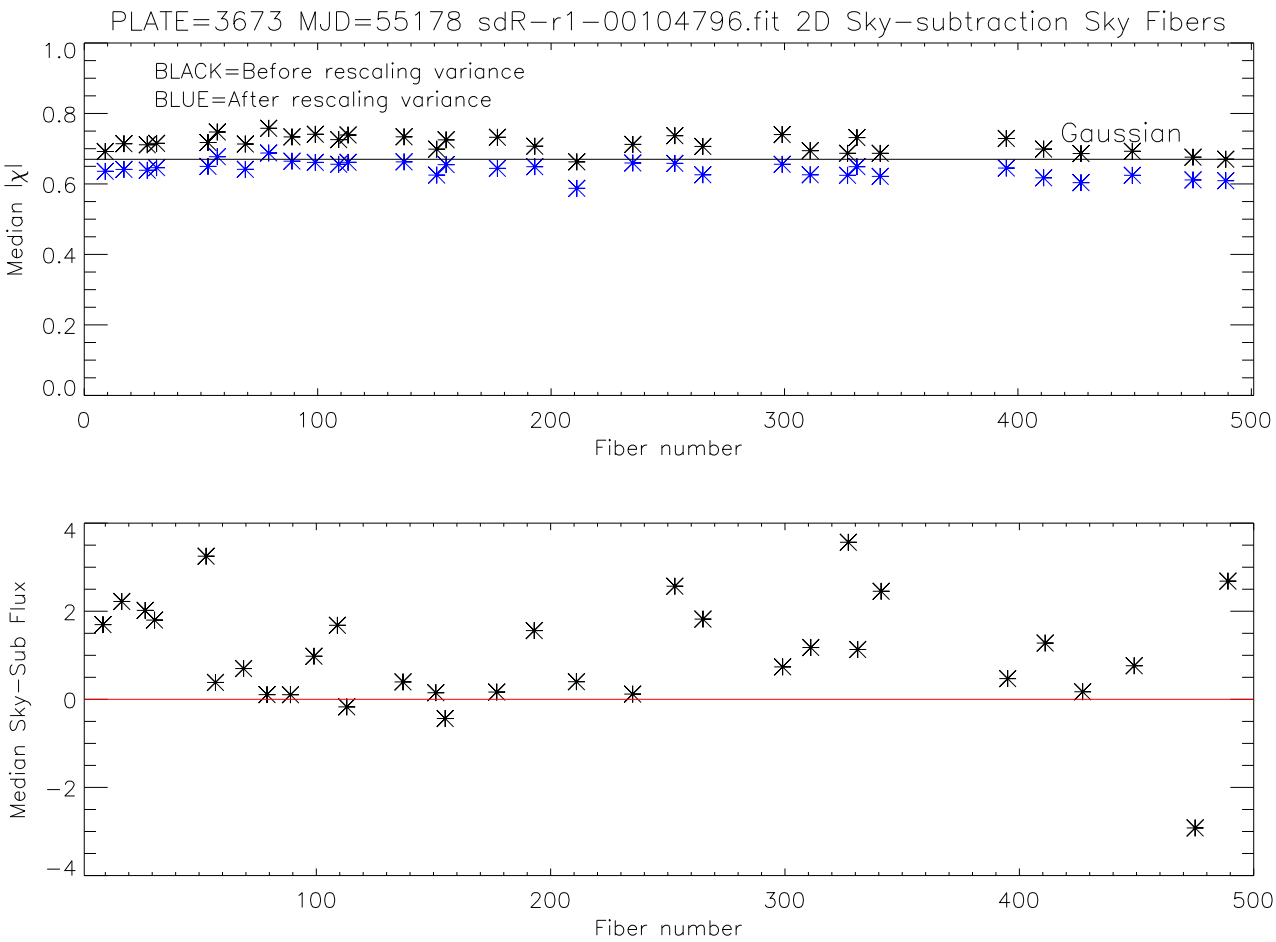

PLATE=3673 MJD=55178 sdR-r1-00104796.fit 1D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

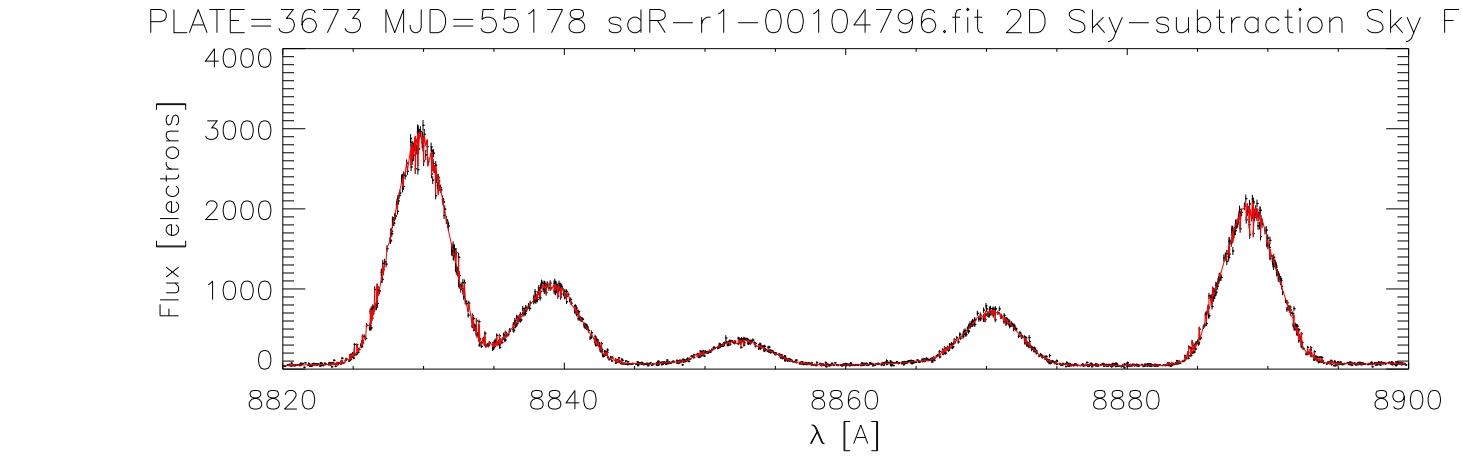

PLATE=3673 MJD=55178 sdR-r1-00104796.fit 1D Sky-subtraction Sky Fibers
Flux [electrons]
4000
3000
2000
1000
0
8820
8840
8860
8880
8900
λ [A]

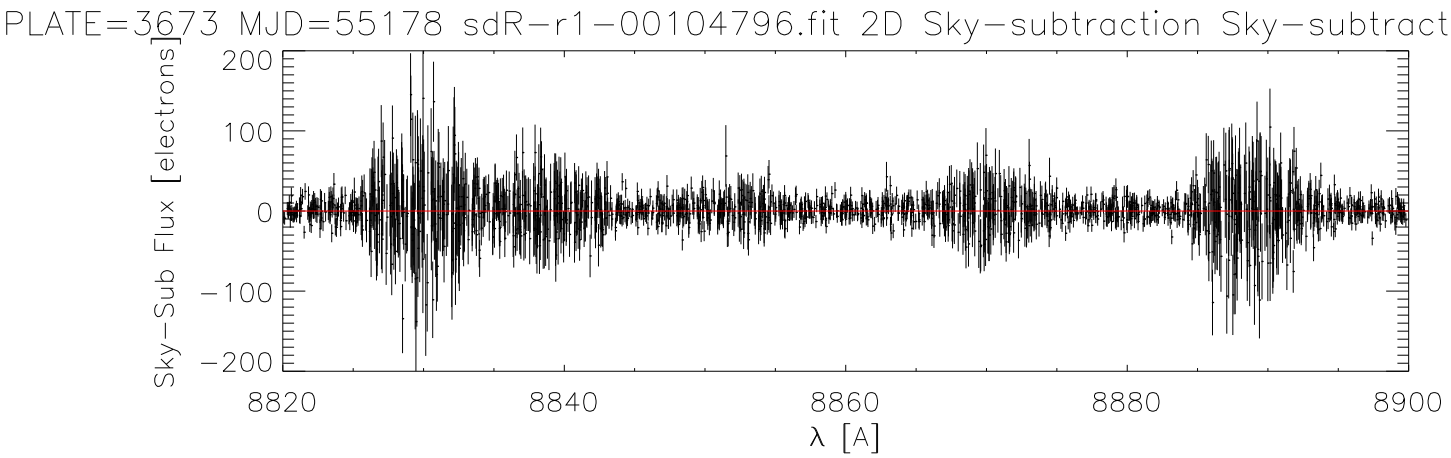

PLATE=3673 MJD=55178 sdR-r1-00104796.fit 1D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
400
200
0
-200
-400
8820
8840
8860
8880
8900
λ [A]

Number of sky fibers = 32

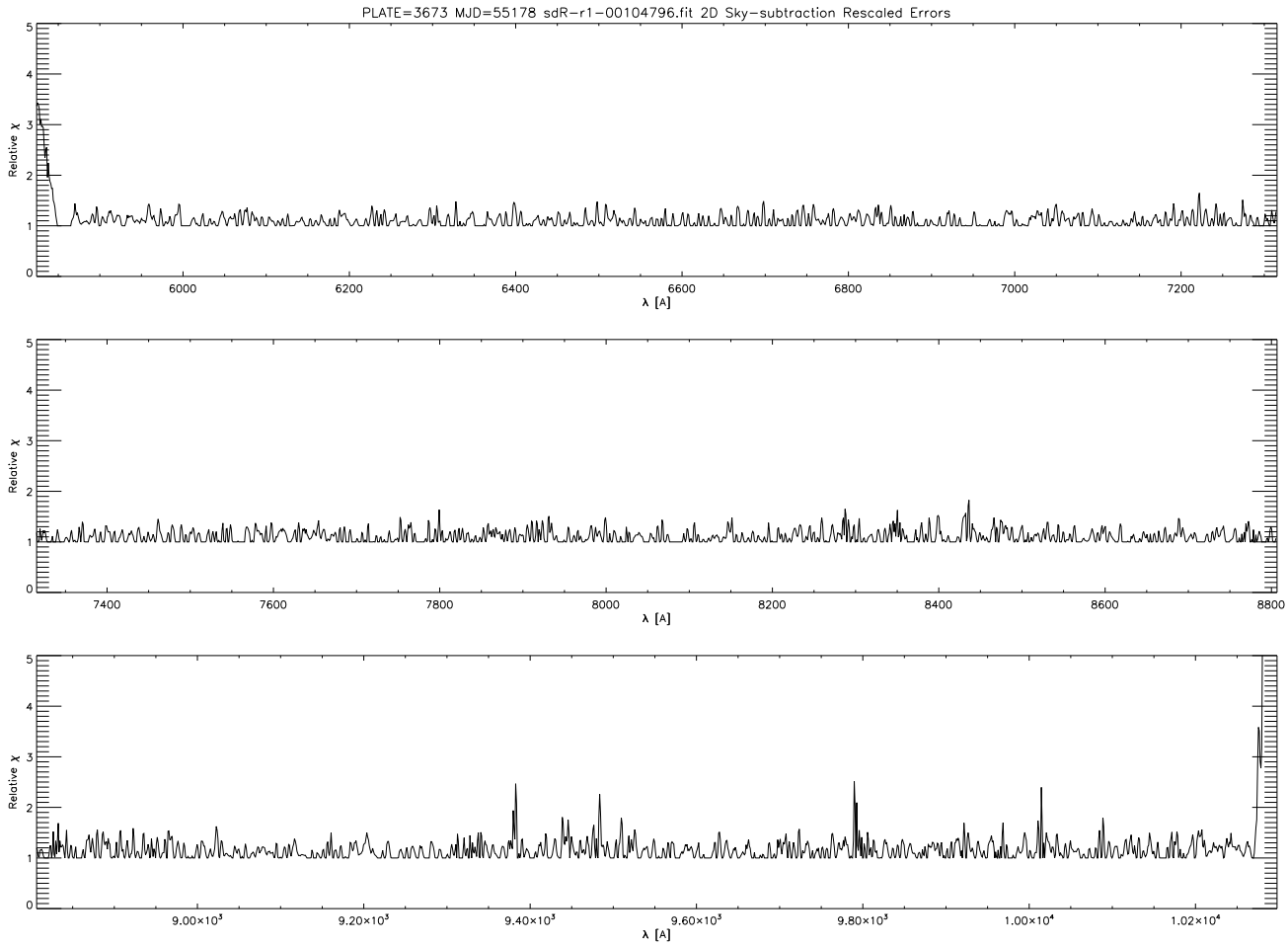


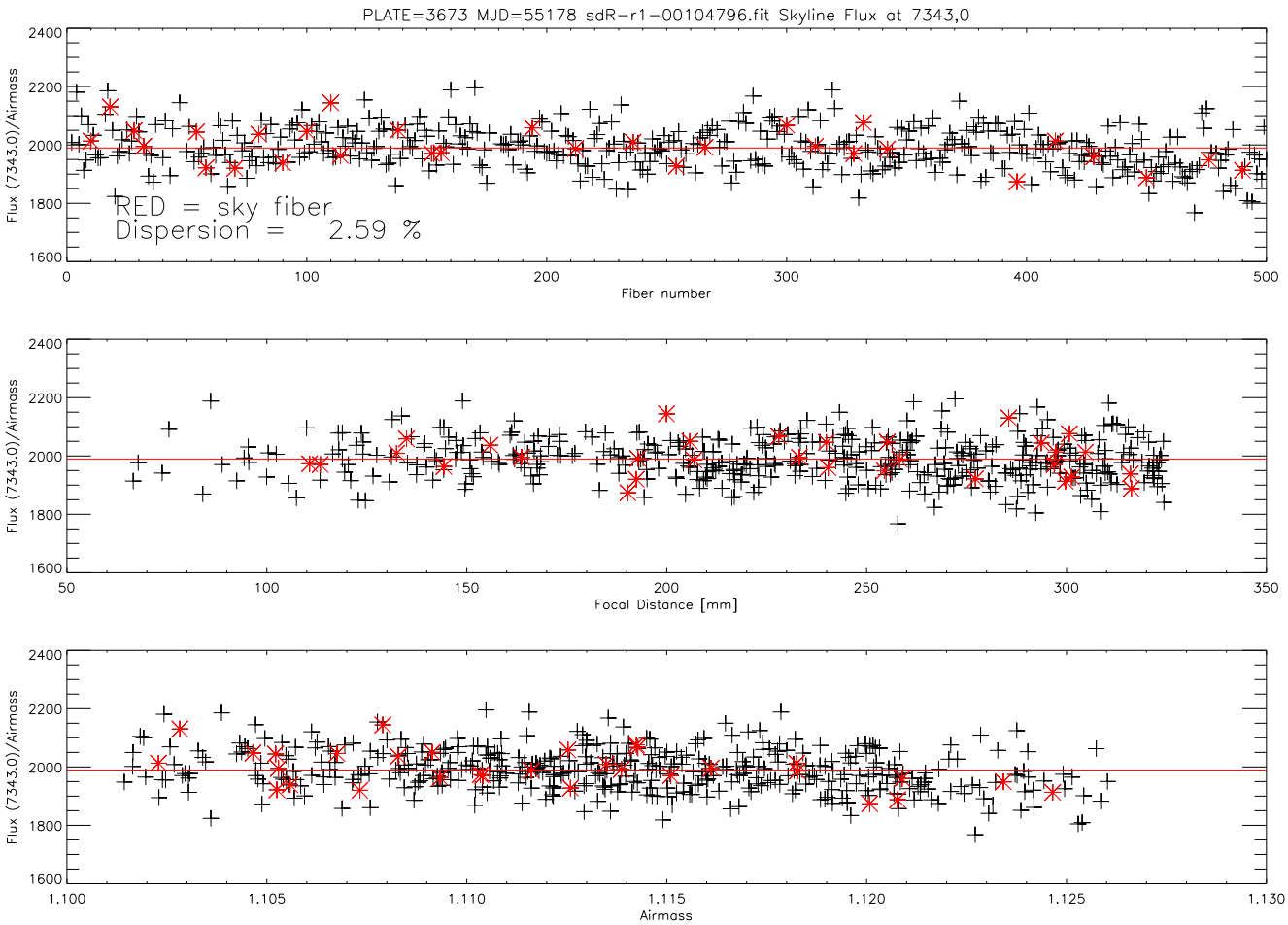

PLATE=3673 MJD=55178 sdR-r1-00104796.fit 2D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

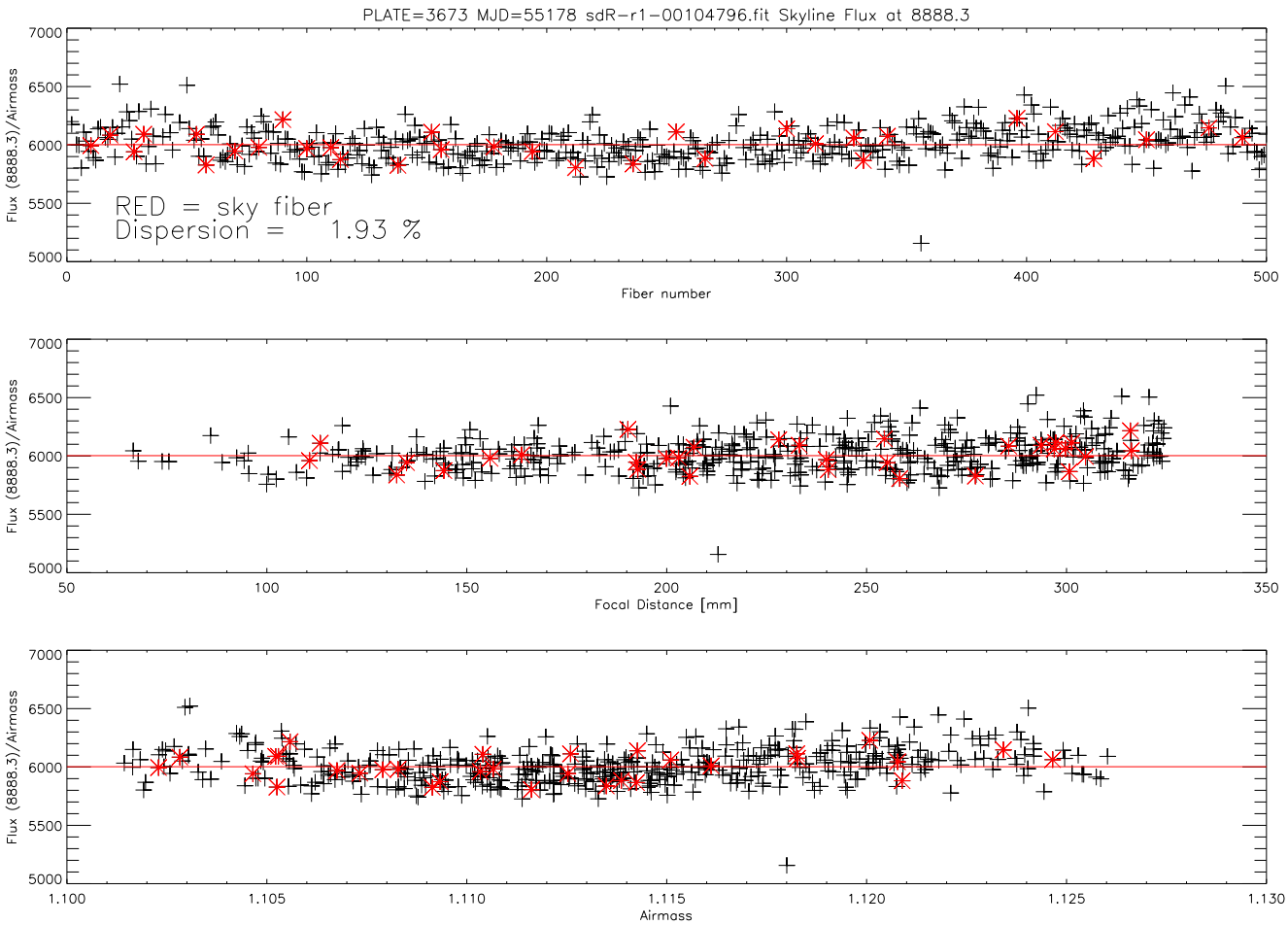

PLATE=3673 MJD=55178 sdR-r1-00104796.fit 2D Sky-subtraction Sky Fibers
Flux [electrons]
4000
3000
2000
1000
0
8820
8840
8860
8880
8900
λ [A]

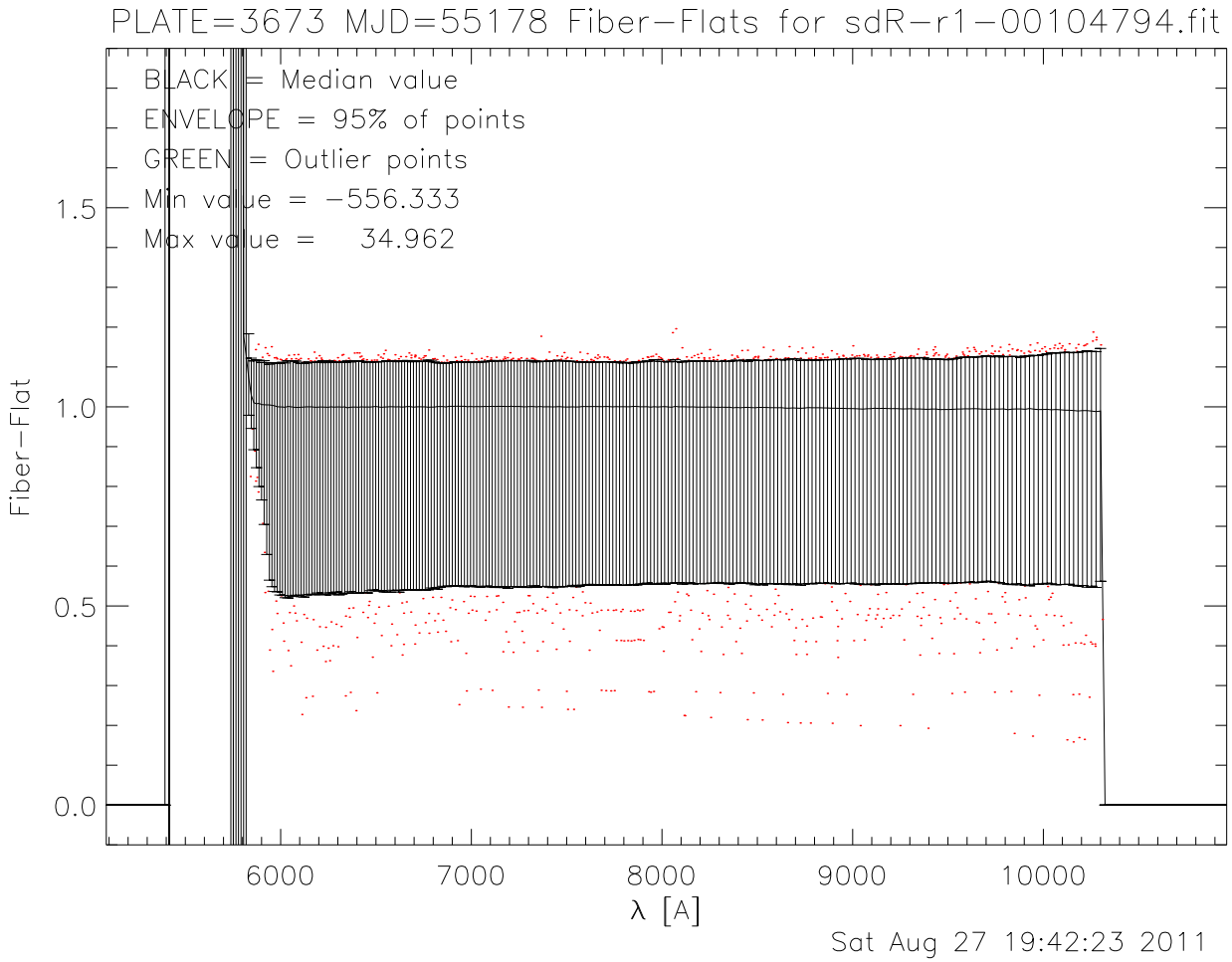

PLATE=3673 MJD=55178 sdR-r1-00104796.fit 2D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
200
100
0
-100
-200
8820
8840
8860
8880
8900
λ [A]

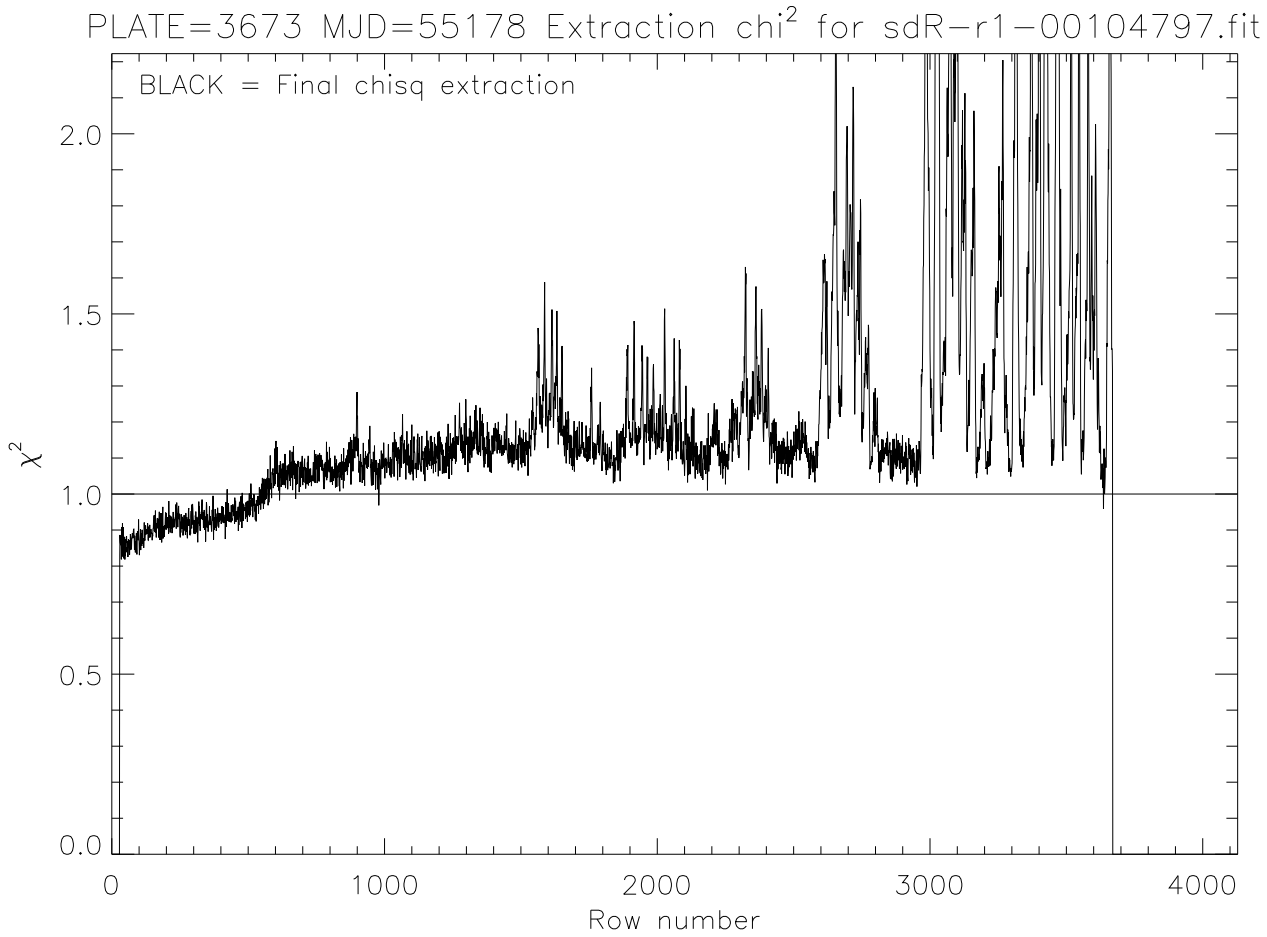
Number of sky fibers = 32

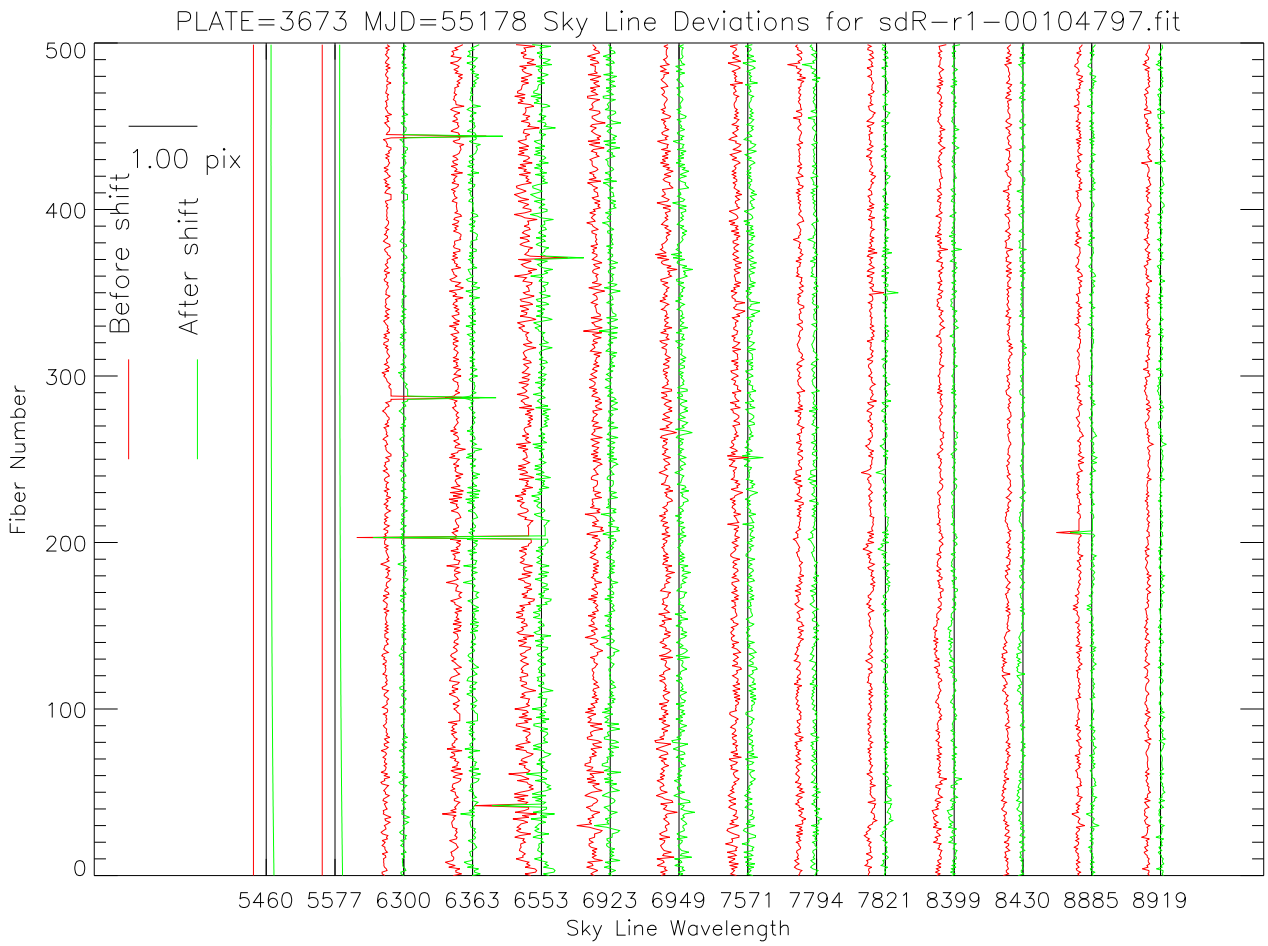


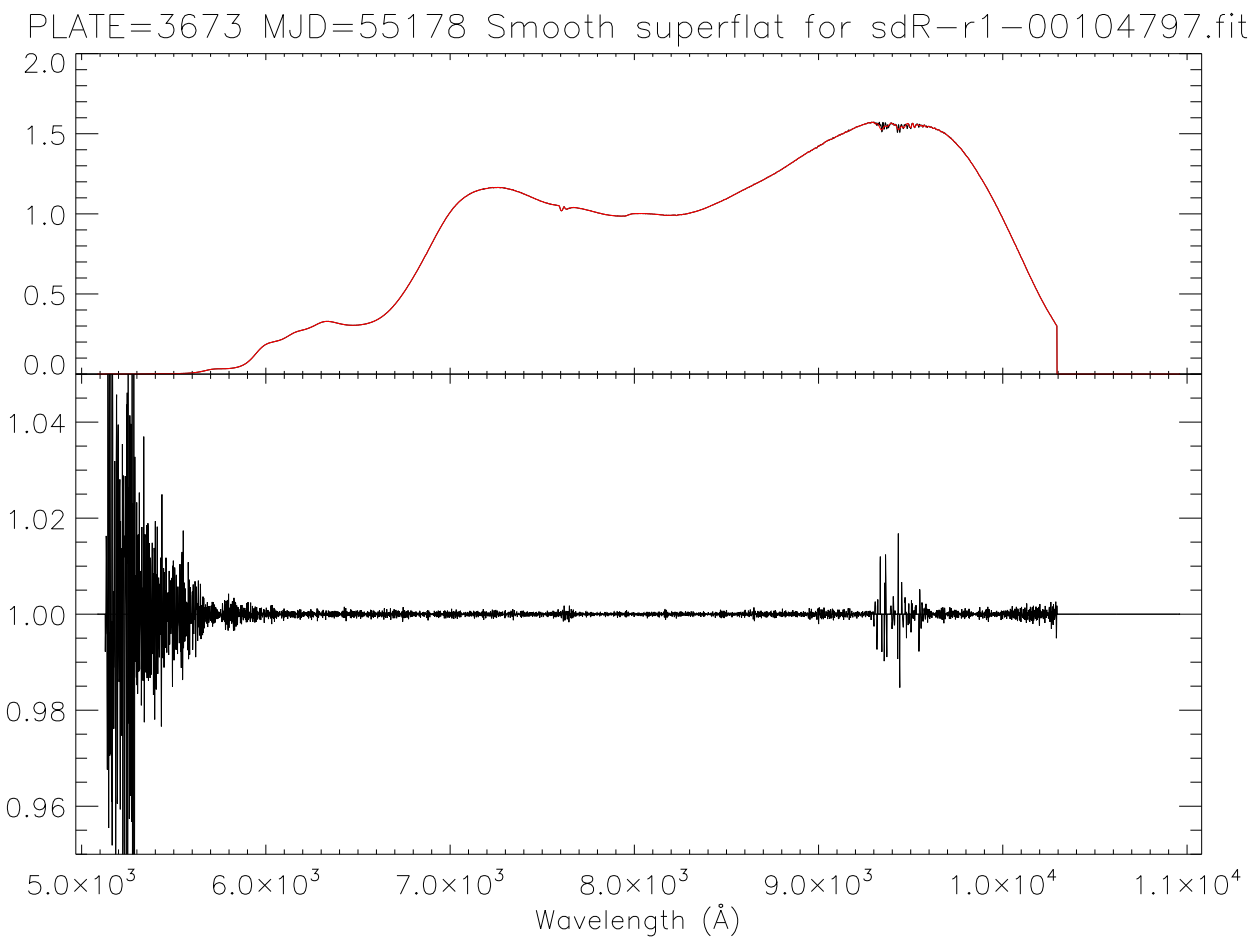

PLATE=3673 MJD=55178 sdR-r1-00104796.fit Skyline Flux at 7343,0
Flux (7343.0)/Airmass
Fiber number
RED = sky fiber
Dispersion = 2.59 %
Flux (7343.0)/Airmass
Focal Distance [mm]
Flux (7343.0)/Airmass
Airmass

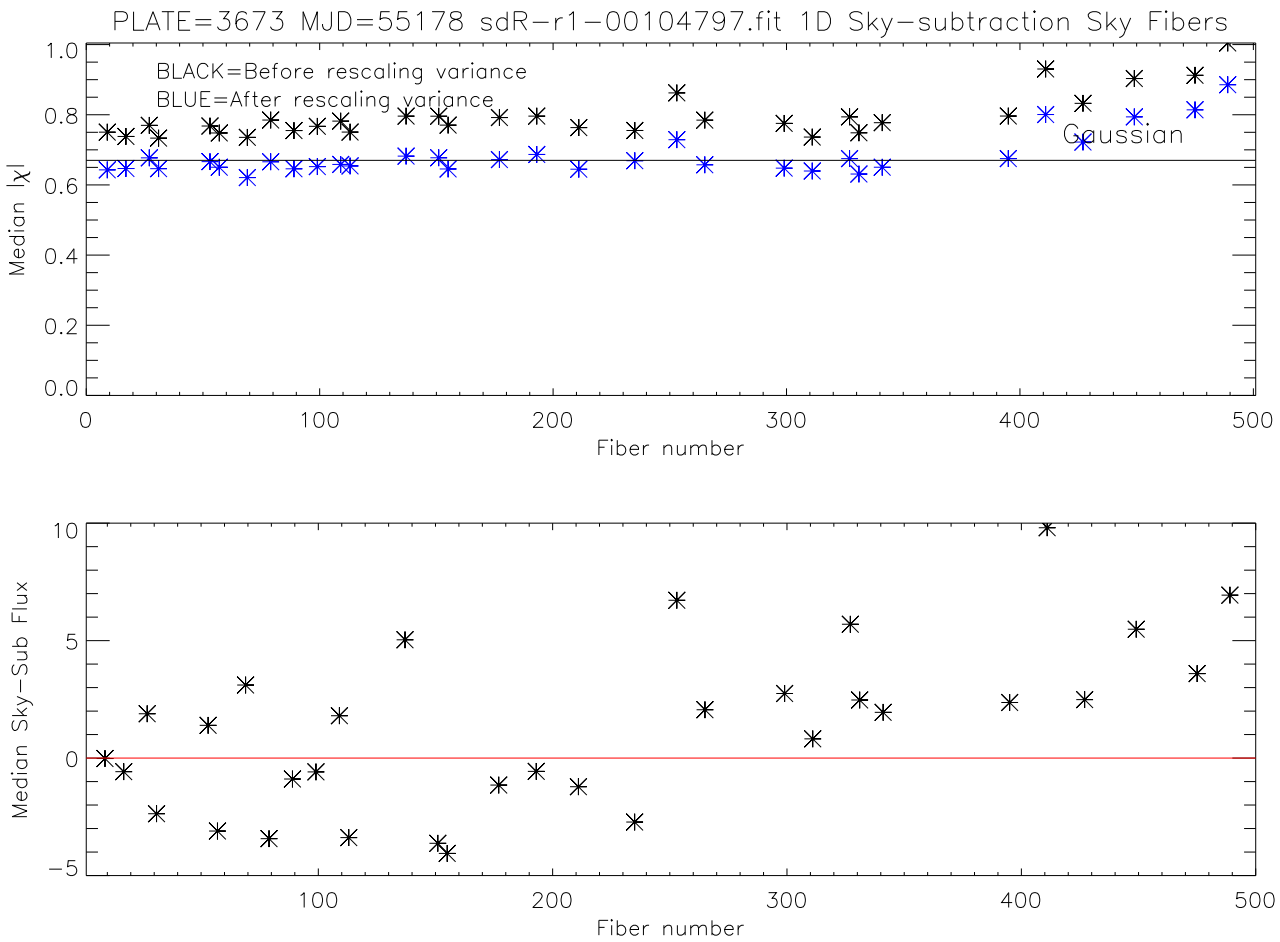

PLATE=3673 MJD=55178 sdR-r1-00104796.fit Skyline Flux at 8888.3
Flux (8888.3)/Airmass
RED = sky fiber
Dispersion = 1.93 %
Fiber number
Focal Distance [mm]
Airmass

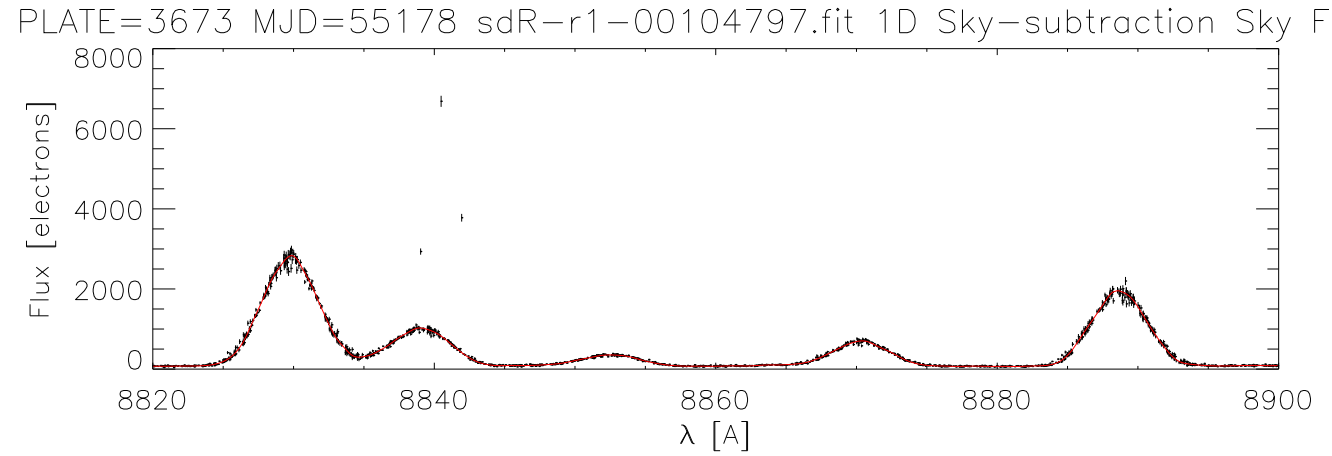

PLATE=3673 MJD=55178 Fiber-Flats for sdR-r1-00104794.fit
BLACK = Median value
ENVELOPE = 95% of points
GREEN = Outlier points
Min value = -556.333
Max value = 34.962
Fiber-Flat
1.5
1.0
0.5
0.0
6000
7000
8000
9000
10000
λ [A]
Sat Aug 27 19:42:23 2011

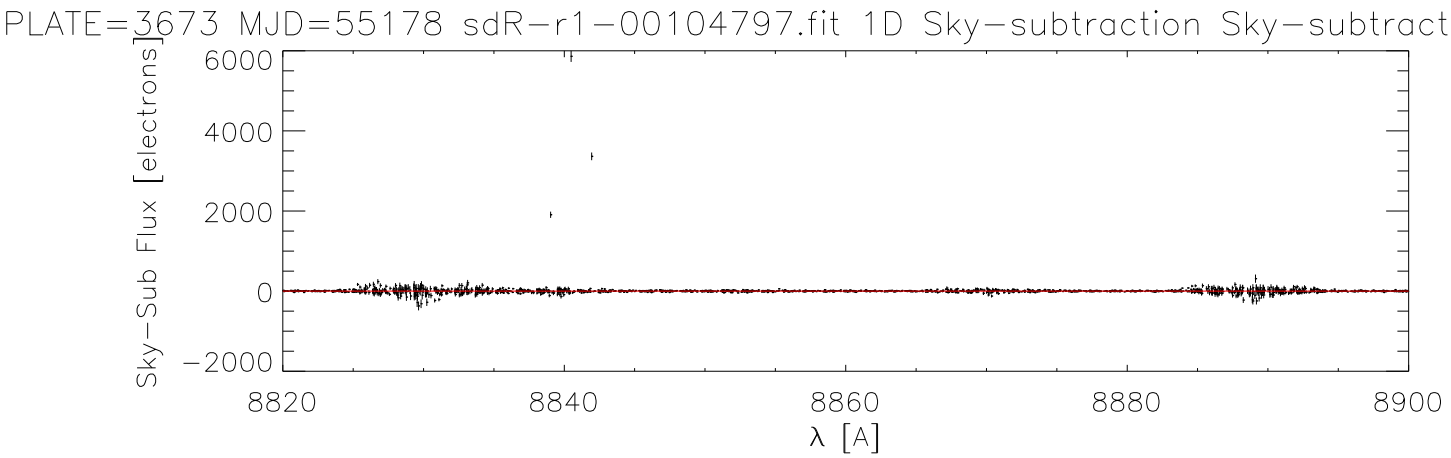

PLATE=3673 MJD=55178 Extraction chi^2 for sdR−r1−00104797.fit
BLACK = Final chisq extraction
χ^2
2.0
1.5
1.0
0.5
0.0
0
1000
2000
3000
4000
Row number


PLATE=3673 MJD=55178 Sky Line Deviations for sdR-r1-00104797.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

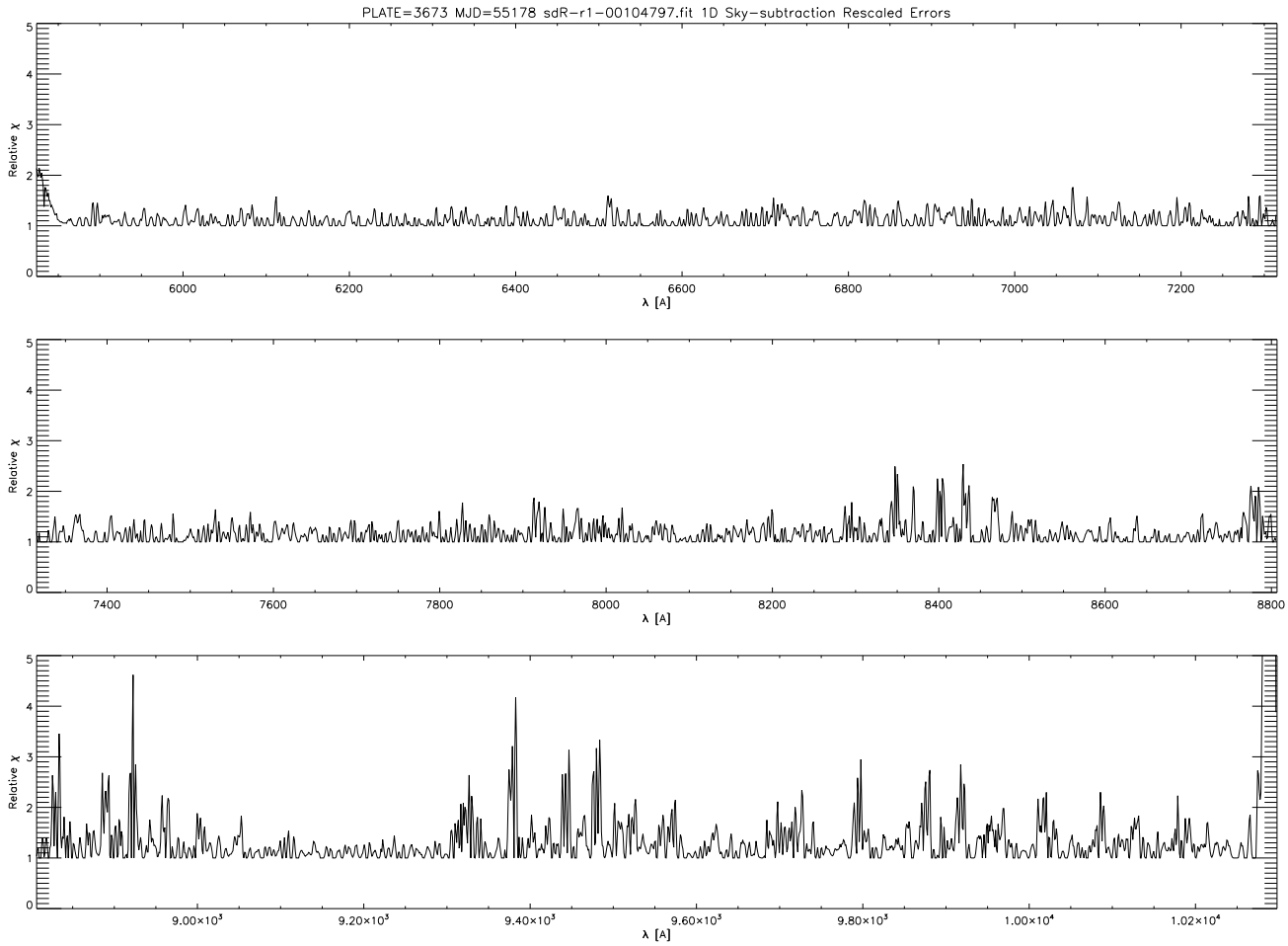

PLATE=3673 MJD=55178 Smooth superflat for sdR-r1-00104797.fit
2.0
1.5
1.0
0.5
0.0
1.04
1.02
1.00
0.98
0.96
5.0×10^3
6.0×10^3
7.0×10^3
8.0×10^3
9.0×10^3
1.0×10^4
1.1×10^4
Wavelength (Å)

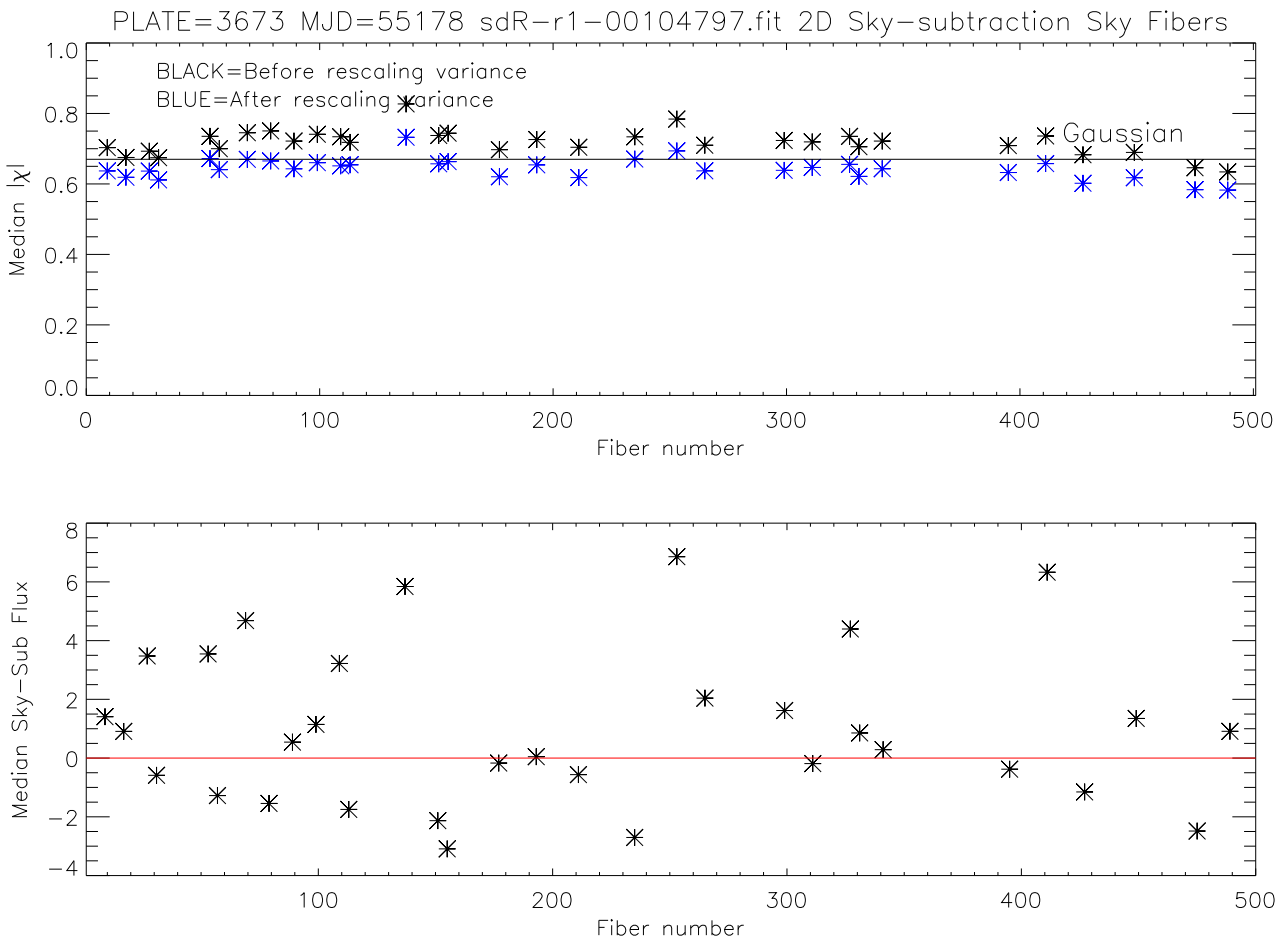

PLATE=3673 MJD=55178 sdR-r1-00104797.fit 1D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

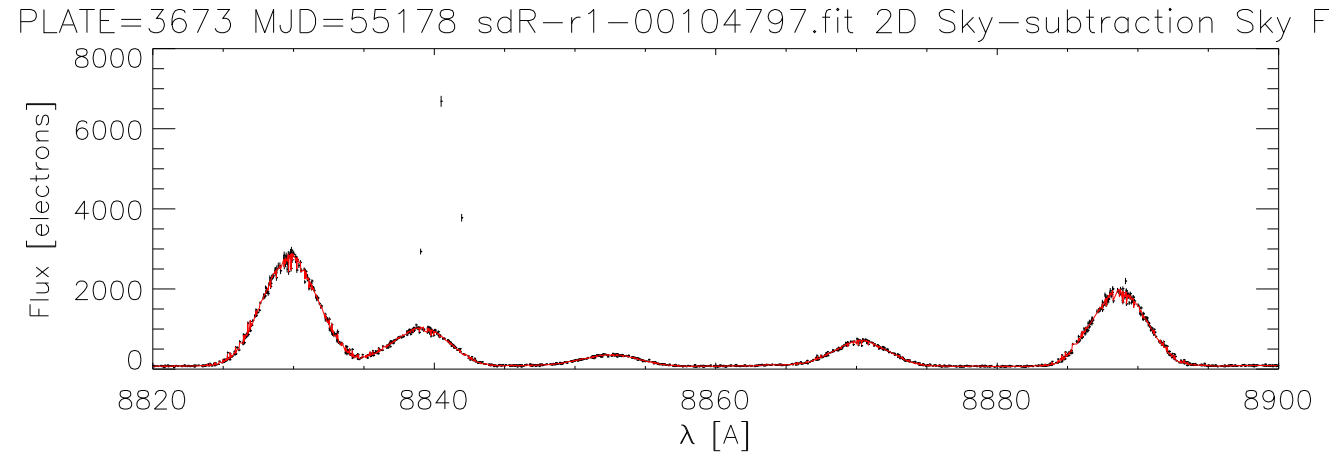

PLATE=3673 MJD=55178 sdR-r1-00104797.fit 1D Sky-subtraction Sky Fibers
Flux [electrons]
8000
6000
4000
2000
0
8820
8840
8860
8880
8900
λ [A]

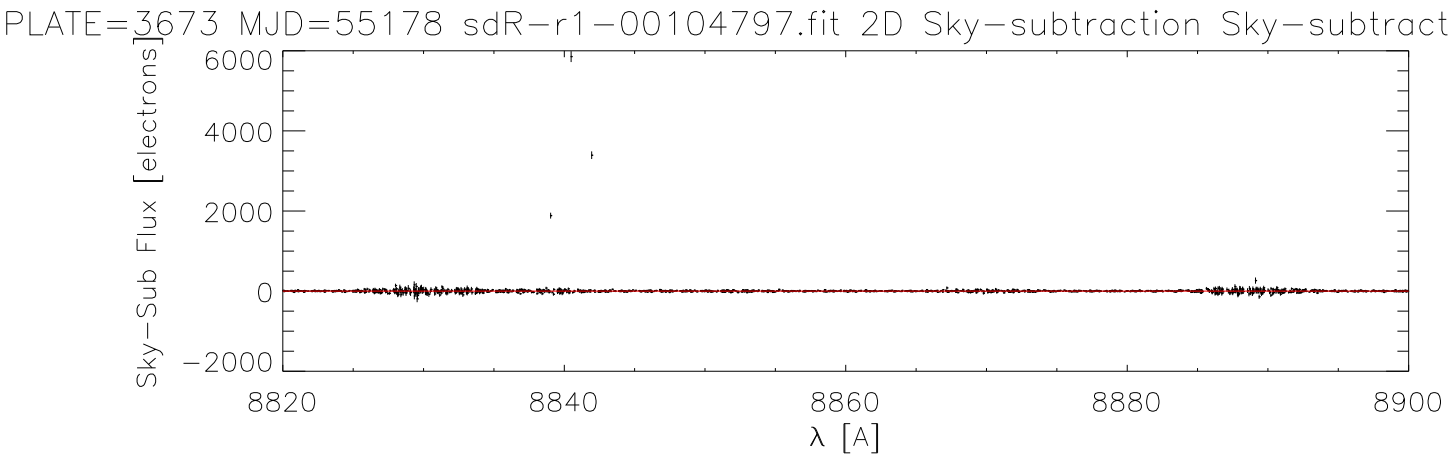

PLATE=3673 MJD=55178 sdR-r1-00104797.fit 1D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
6000
4000
2000
0
-2000
8820
8840
8860
8880
8900
λ [A]

Number of sky fibers = 32

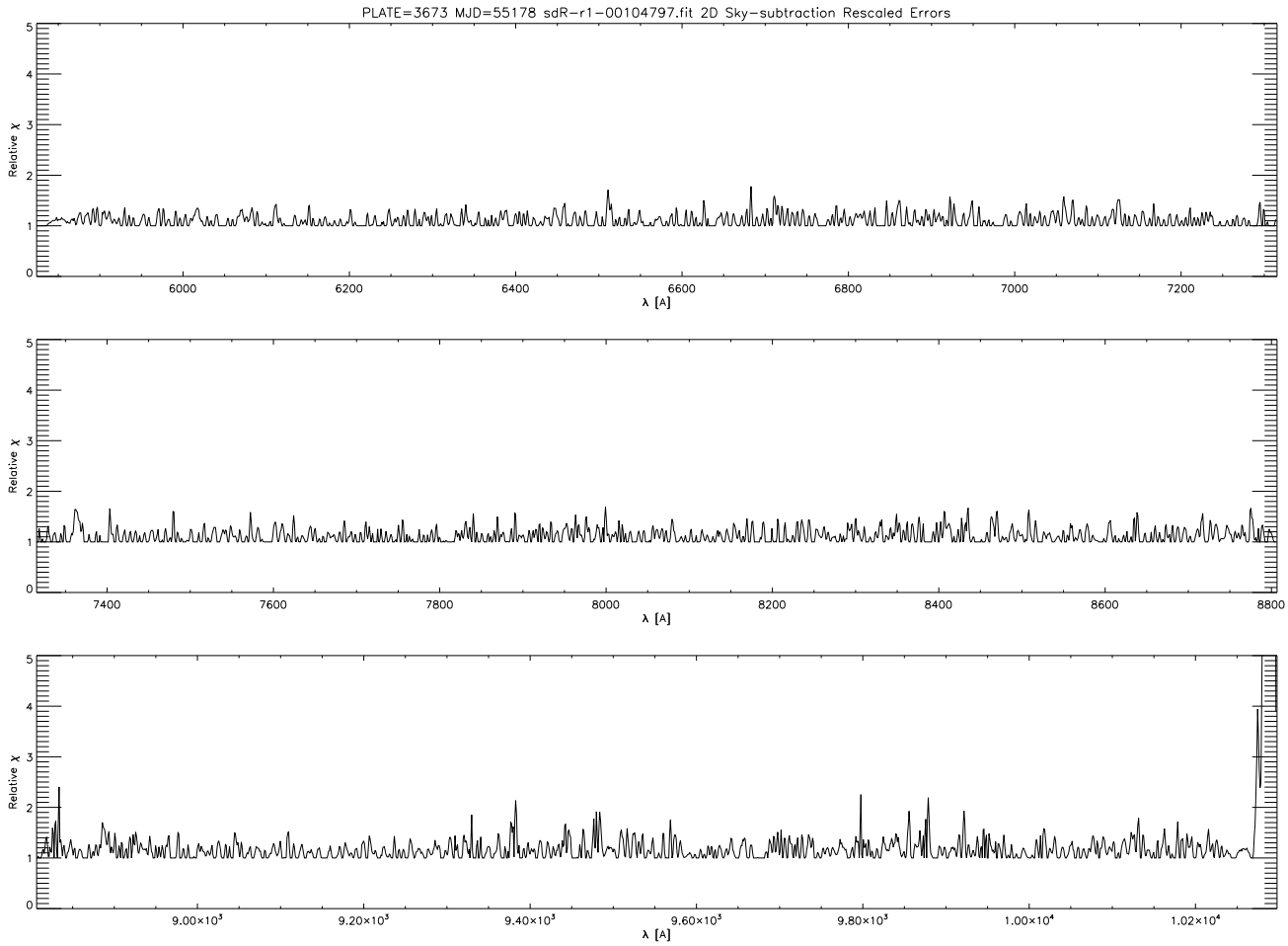


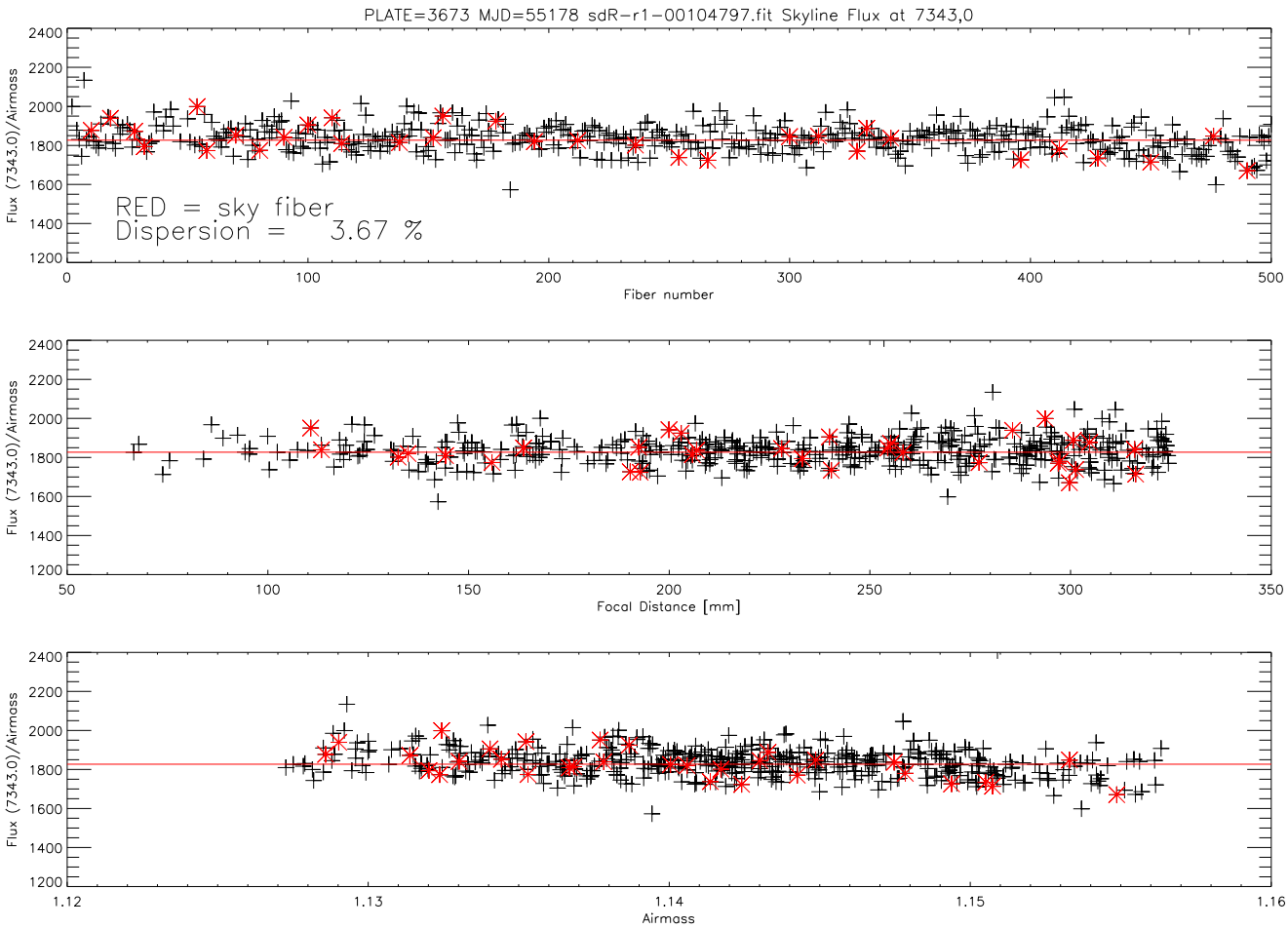

PLATE=3673 MJD=55178 sdR-r1-00104797.fit 2D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

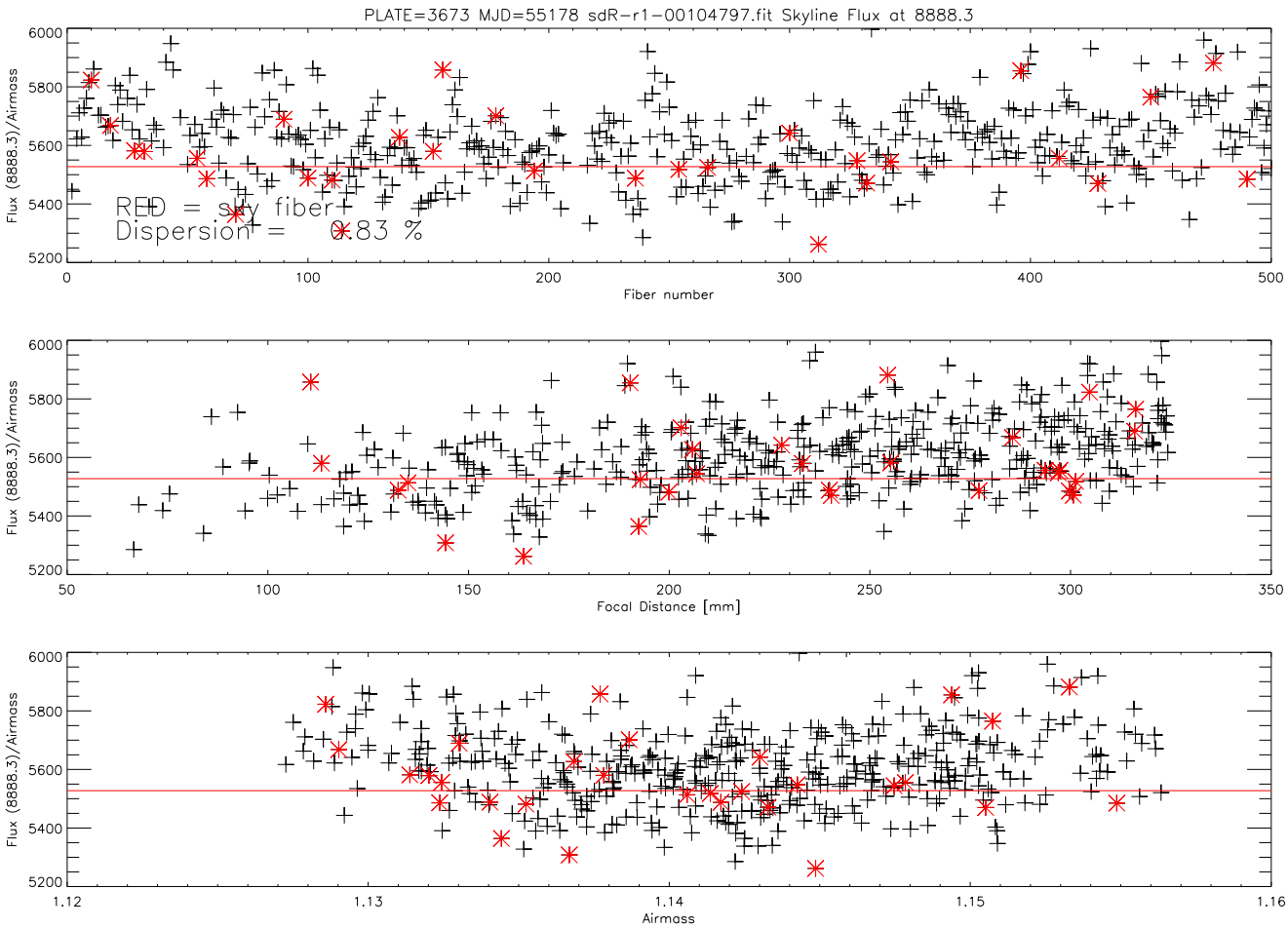

PLATE=3673 MJD=55178 sdR-r1-00104797.fit 2D Sky-subtraction Sky Fibers
Flux [electrons]
8000
6000
4000
2000
0
8820
8840
8860
8880
8900
λ [A]

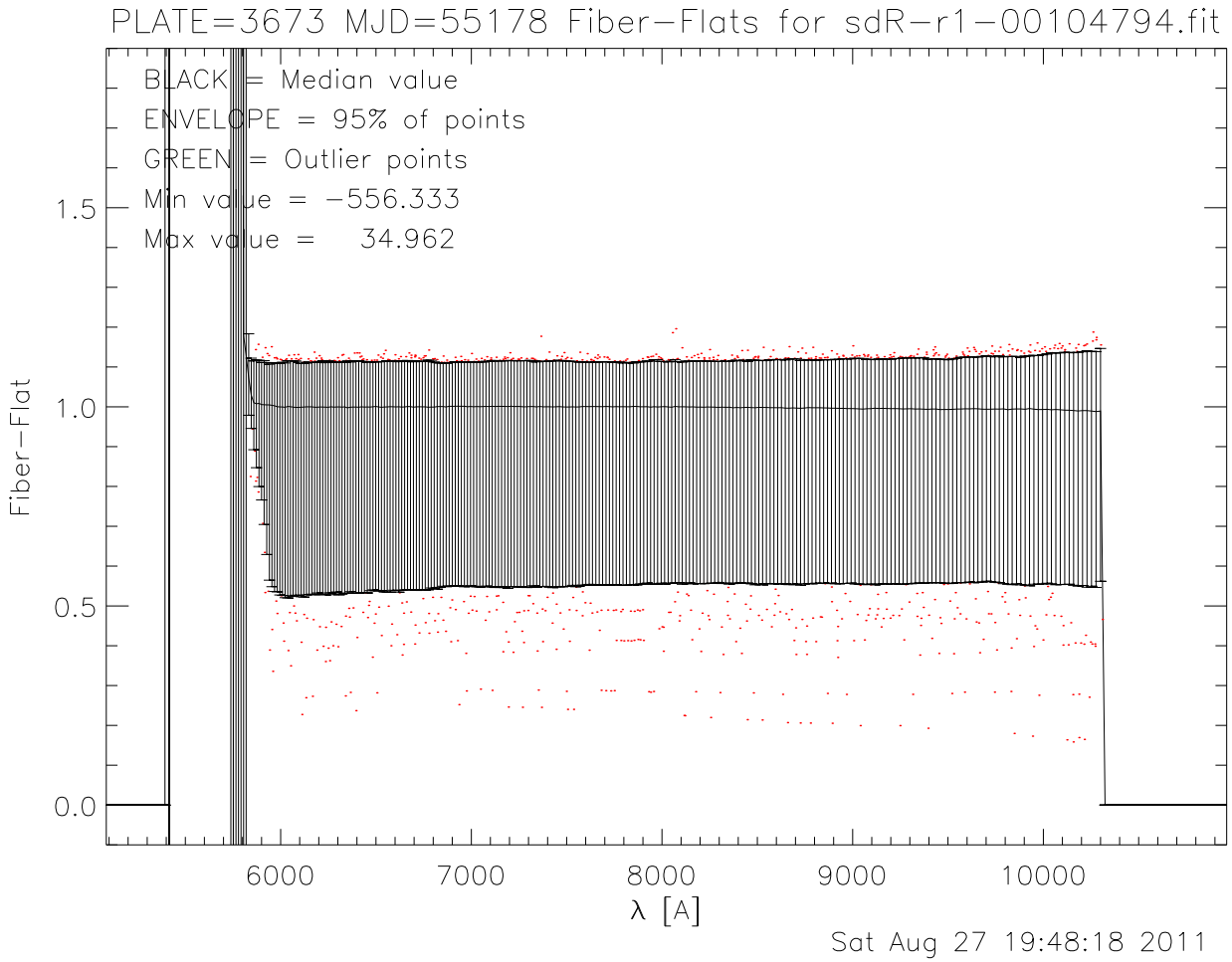

PLATE=3673 MJD=55178 sdR-r1-00104797.fit 2D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
6000
4000
2000
0
-2000
8820
8840
8860
8880
8900
λ [A]

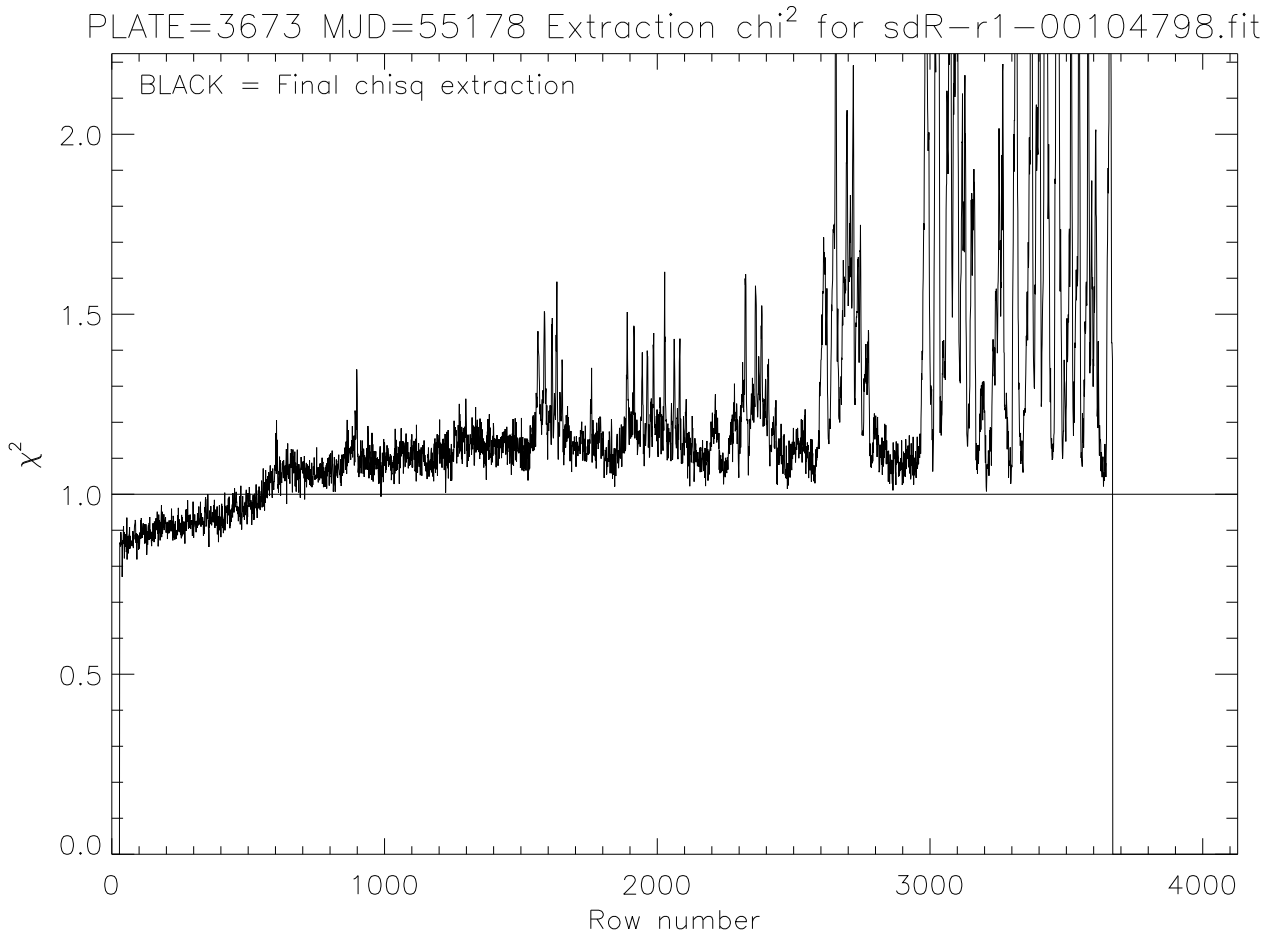
Number of sky fibers = 32

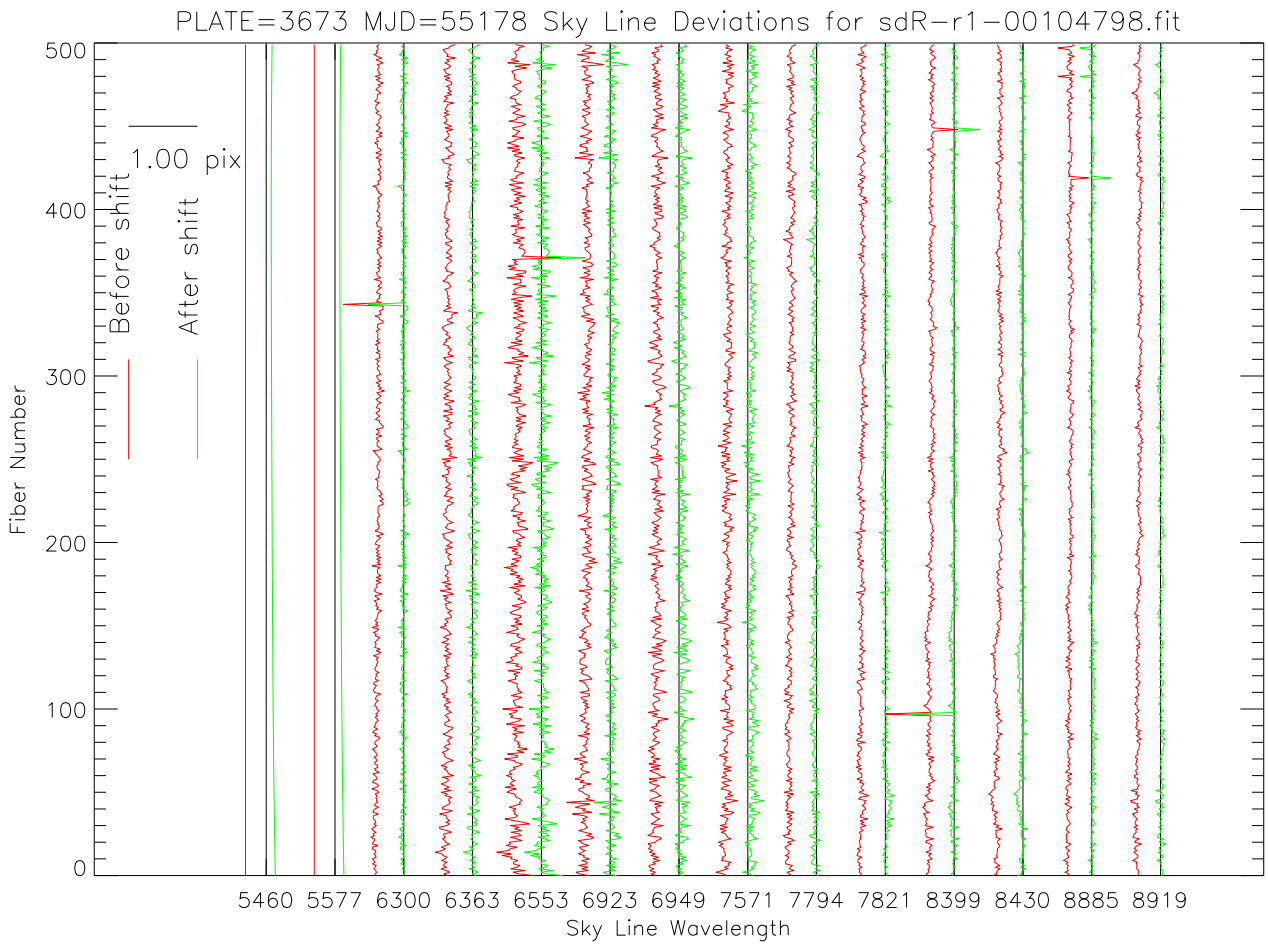


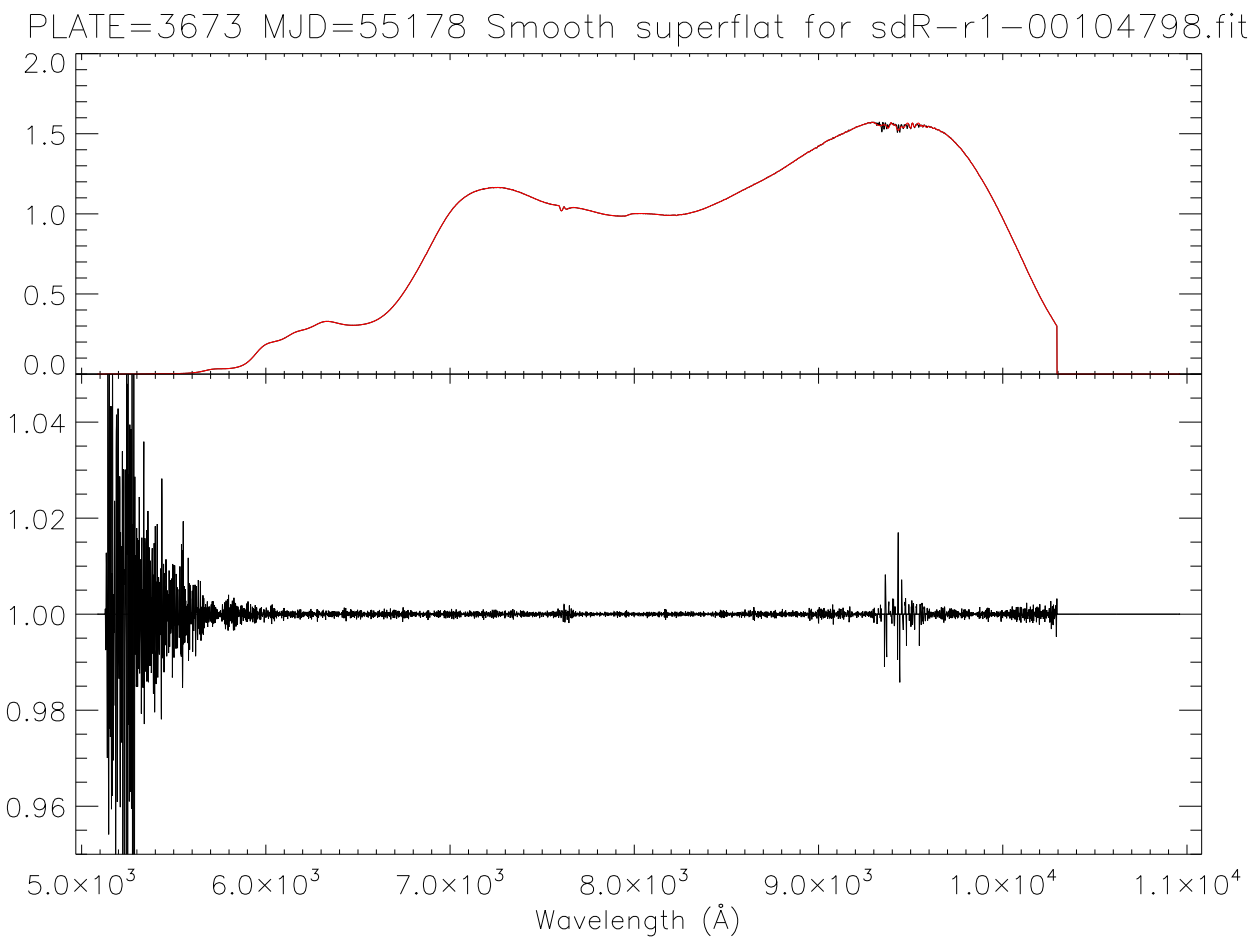

PLATE=3673 MJD=55178 sdR-r1-00104797.fit Skyline Flux at 7343,0
Flux (7343.0)/Airmass
RED = sky fiber
Dispersion = 3.67 %
Fiber number
Flux (7343.0)/Airmass
Focal Distance [mm]
Flux (7343.0)/Airmass
Airmass

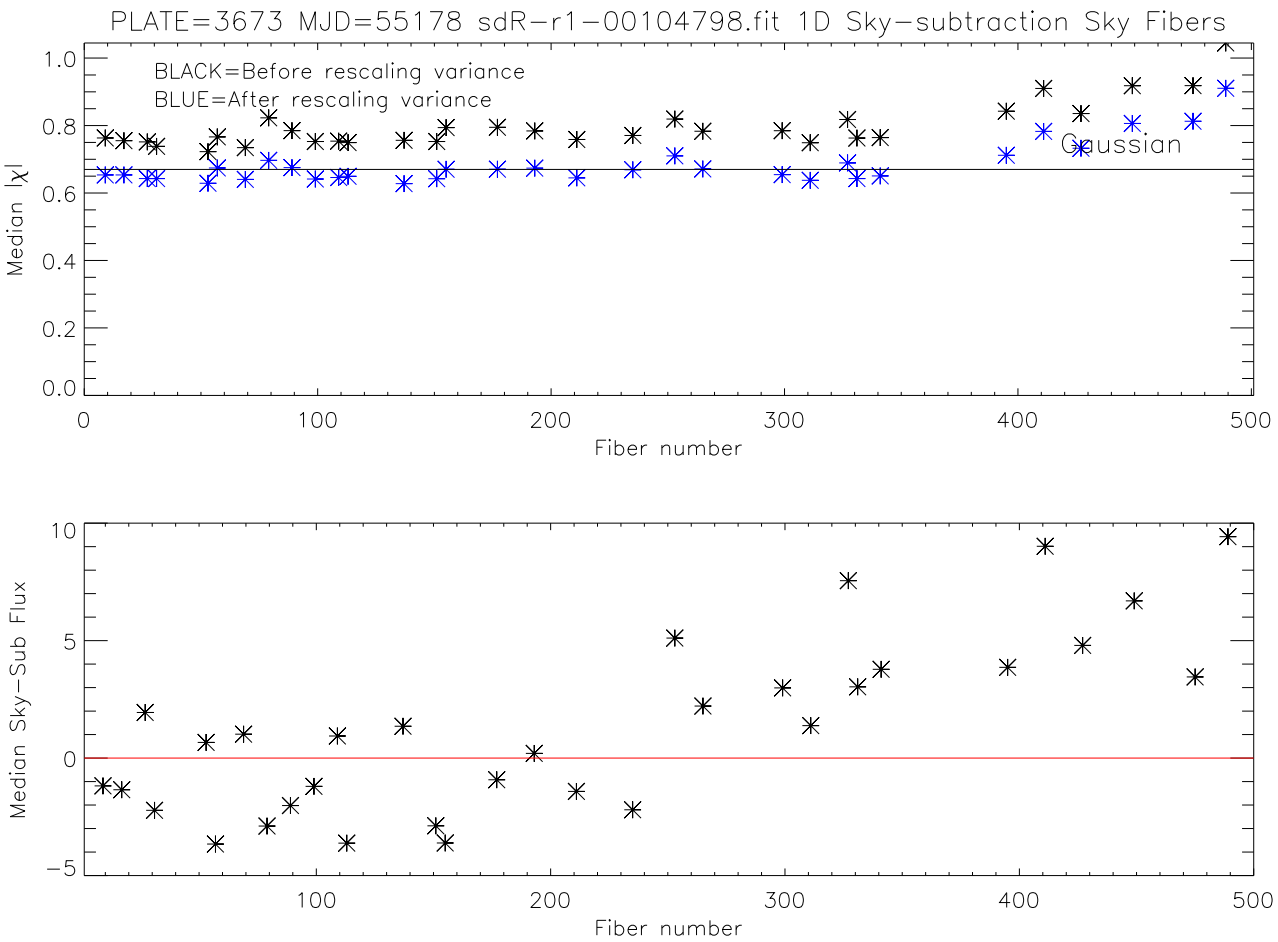

PLATE=3673 MJD=55178 sdR-r1-00104797.fit Skyline Flux at 8888.3
Flux (8888.3)/Airmass
Fiber number
RED = sky fiber
Dispersion = 0.83 %
Flux (8888.3)/Airmass
Focal Distance [mm]
Flux (8888.3)/Airmass
Airmass

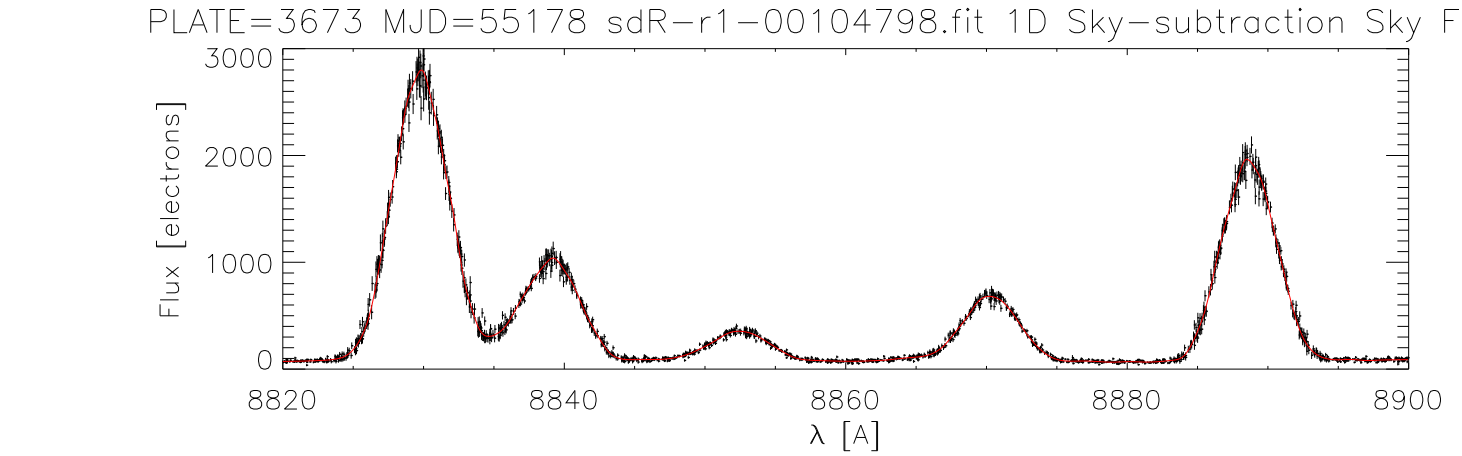

PLATE=3673 MJD=55178 Fiber-Flats for sdR-r1-00104794.fit
BLACK = Median value
ENVELOPE = 95% of points
GREEN = Outlier points
Min value = -556.333
Max value = 34.962
Fiber-Flat
1.5
1.0
0.5
0.0
6000
7000
8000
9000
10000
λ [A]
Sat Aug 27 19:48:18 2011

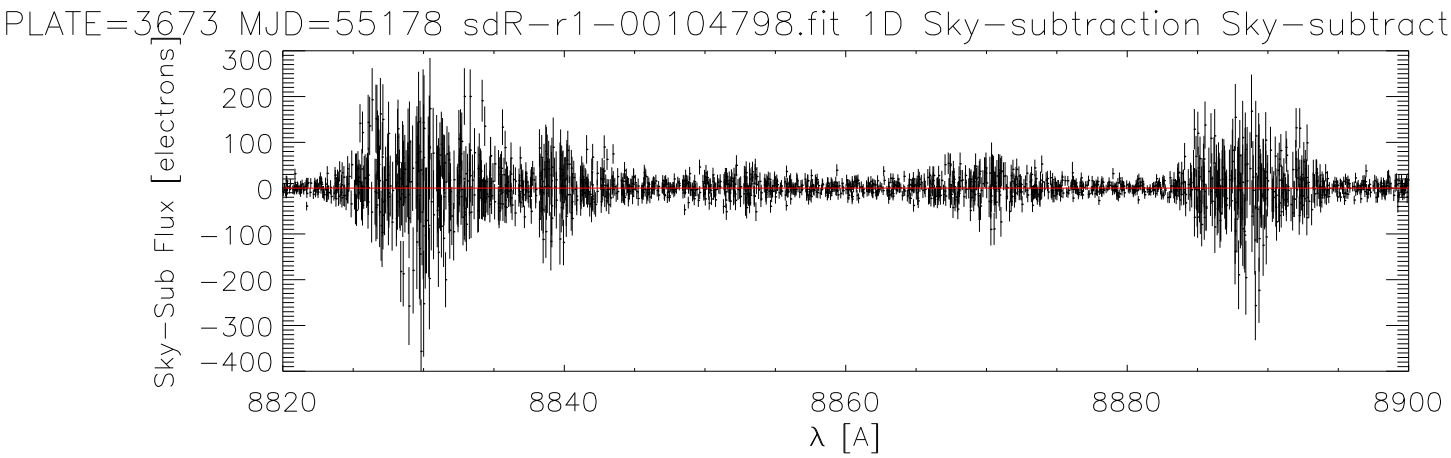

PLATE=3673 MJD=55178 Extraction chi^2 for sdR−r1−00104798.fit
BLACK = Final chisq extraction
χ^2
0.0
0.5
1.0
1.5
2.0
0
1000
2000
3000
4000
Row number


PLATE=3673 MJD=55178 Sky Line Deviations for sdR-r1-00104798.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

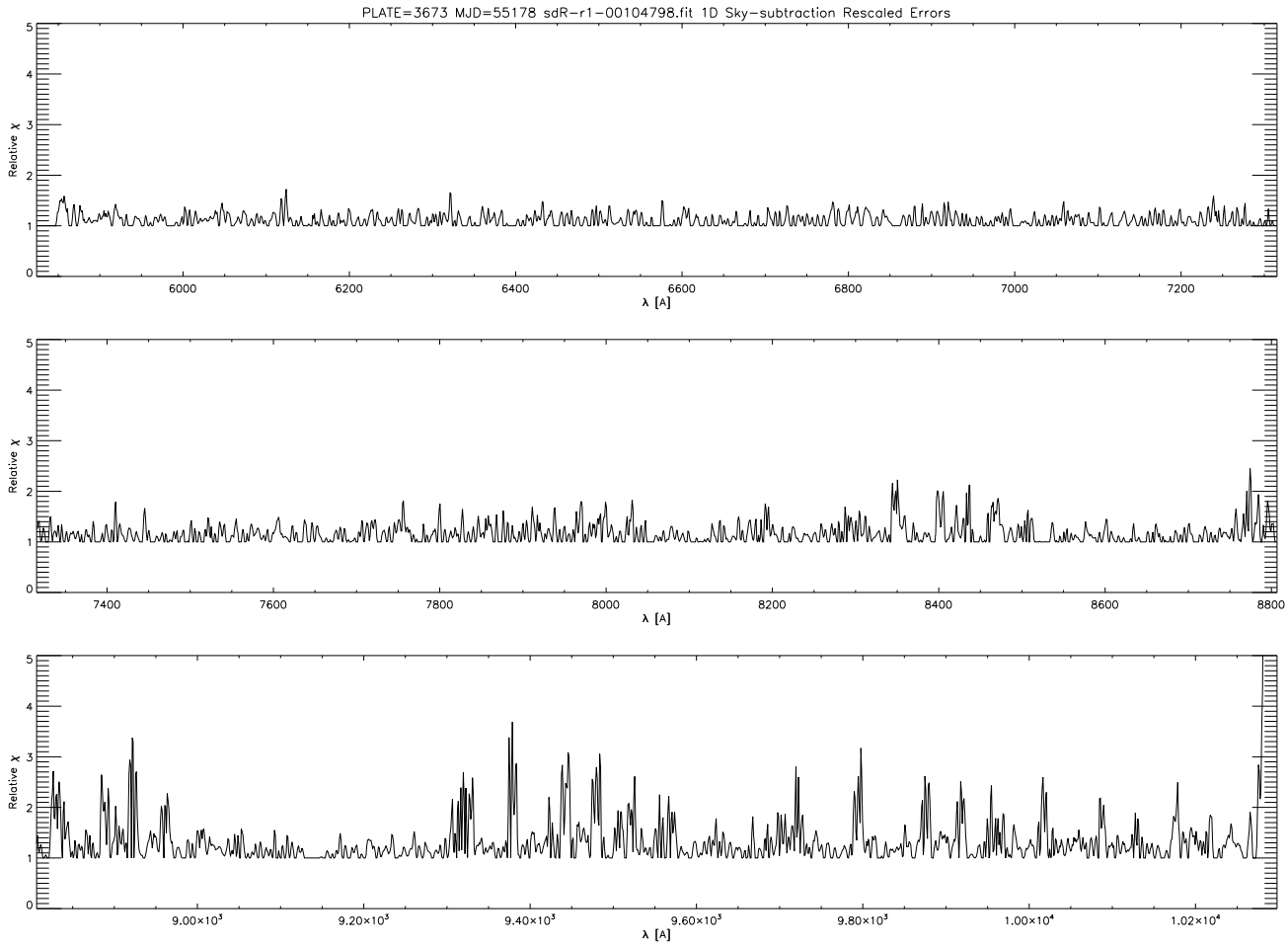

PLATE=3673 MJD=55178 Smooth superflat for sdR-r1-00104798.fit
2.0
1.5
1.0
0.5
0.0
1.04
1.02
1.00
0.98
0.96
5.0×10^3
6.0×10^3
7.0×10^3
8.0×10^3
9.0×10^3
1.0×10^4
1.1×10^4
Wavelength (Å)

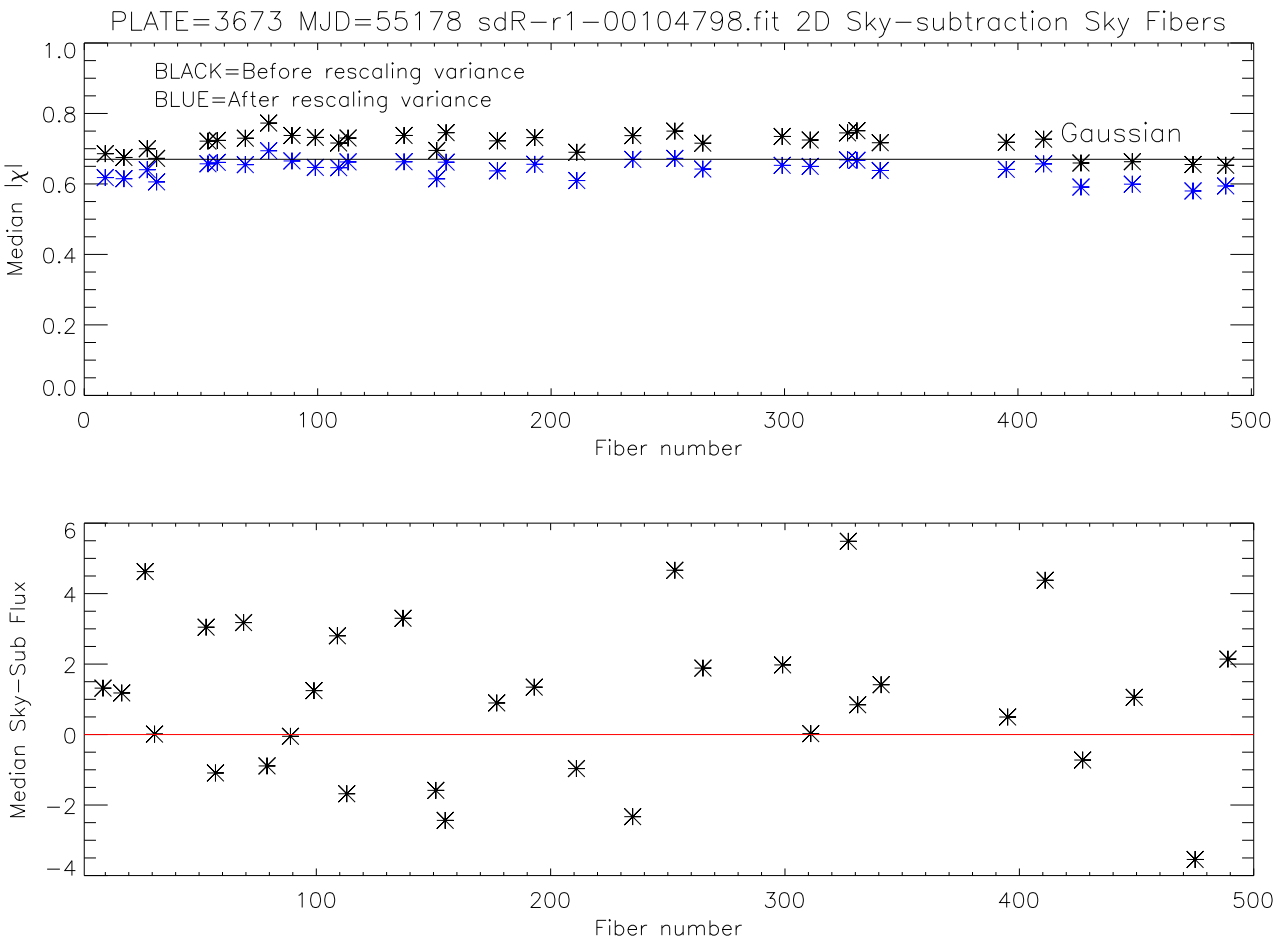

PLATE=3673 MJD=55178 sdR-r1-00104798.fit 1D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

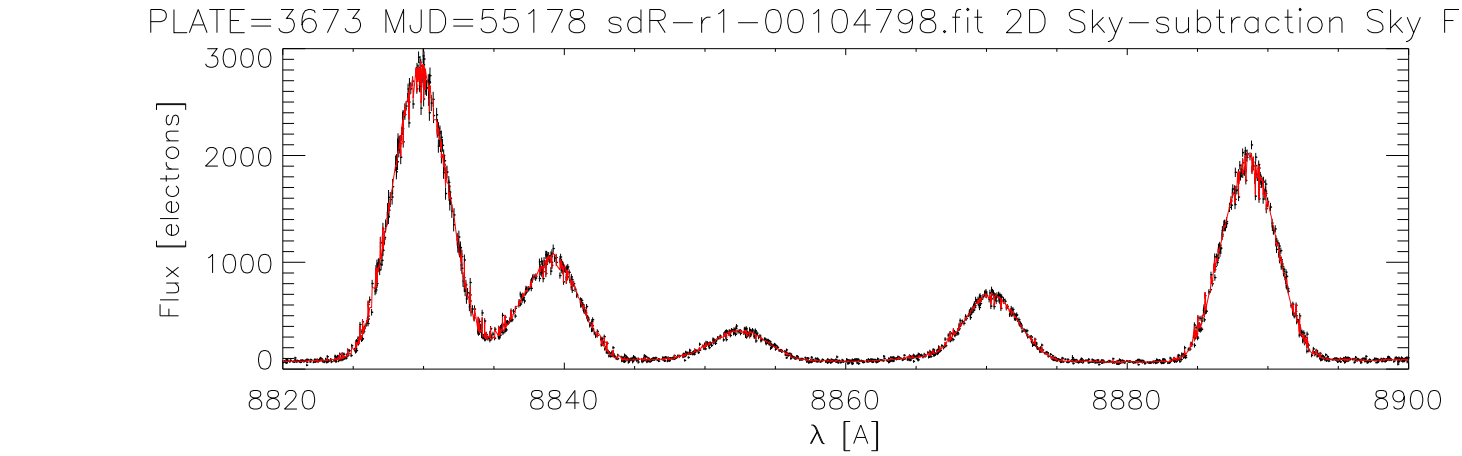

PLATE=3673 MJD=55178 sdR-r1-00104798.fit 1D Sky-subtraction Sky Fibers
Flux [electrons]
3000
2000
1000
0
8820
8840
8860
8880
8900
λ [A]

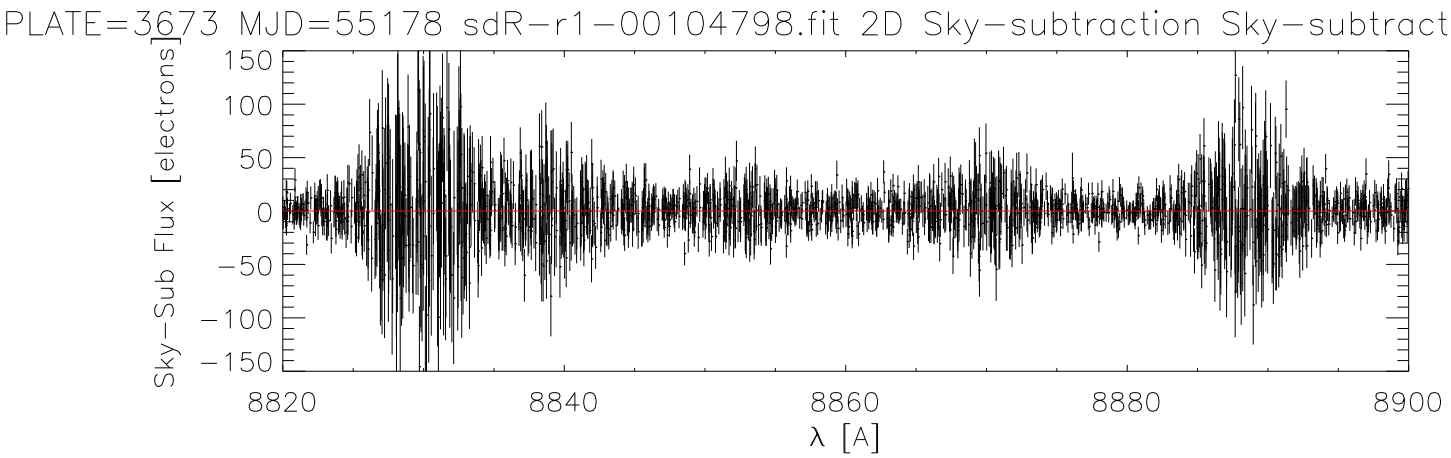

PLATE=3673 MJD=55178 sdR-r1-00104798.fit 1D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
300
200
100
0
-100
-200
-300
-400
8820
8840
8860
8880
8900
λ [A]

Number of sky fibers = 32

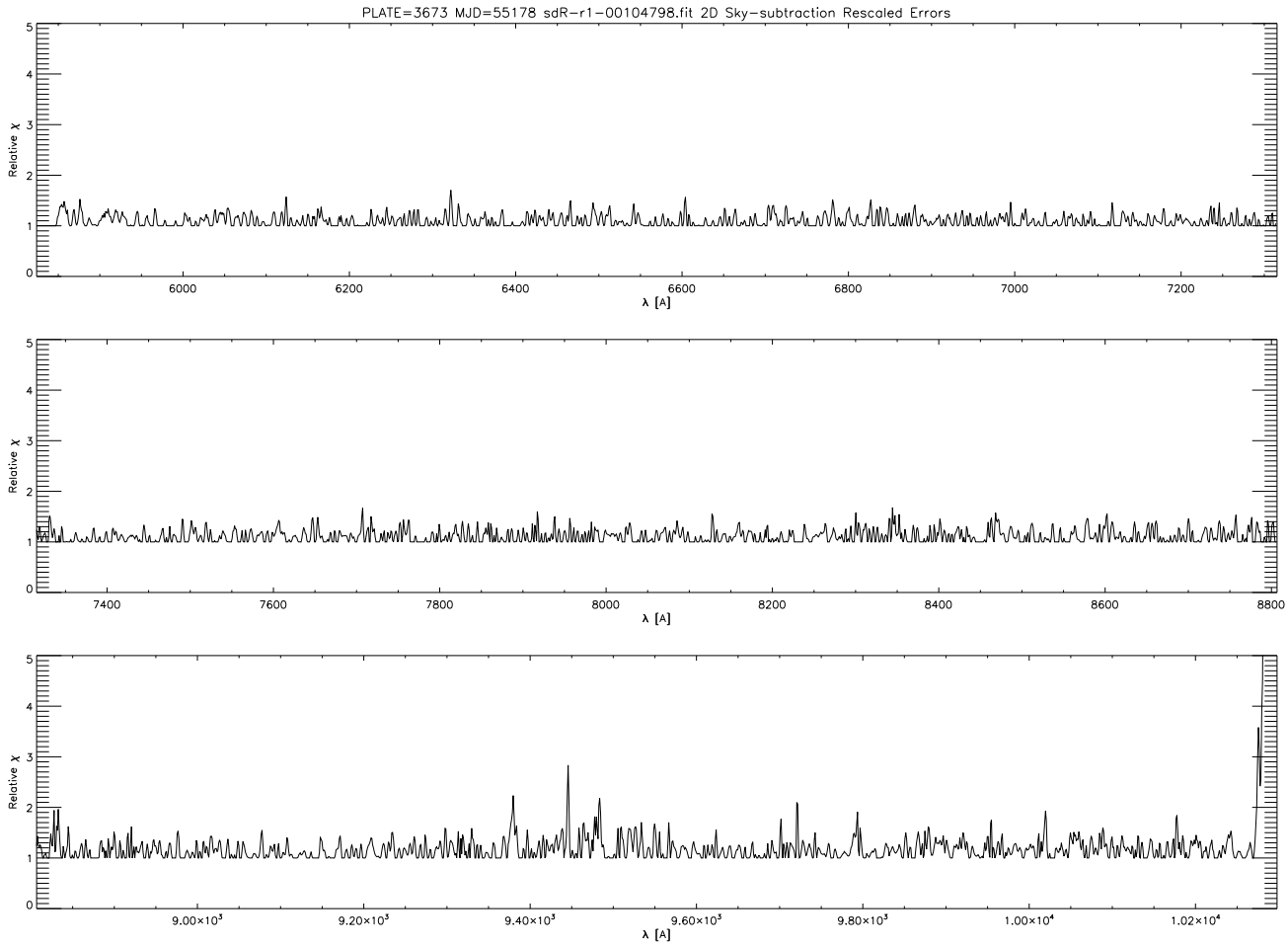


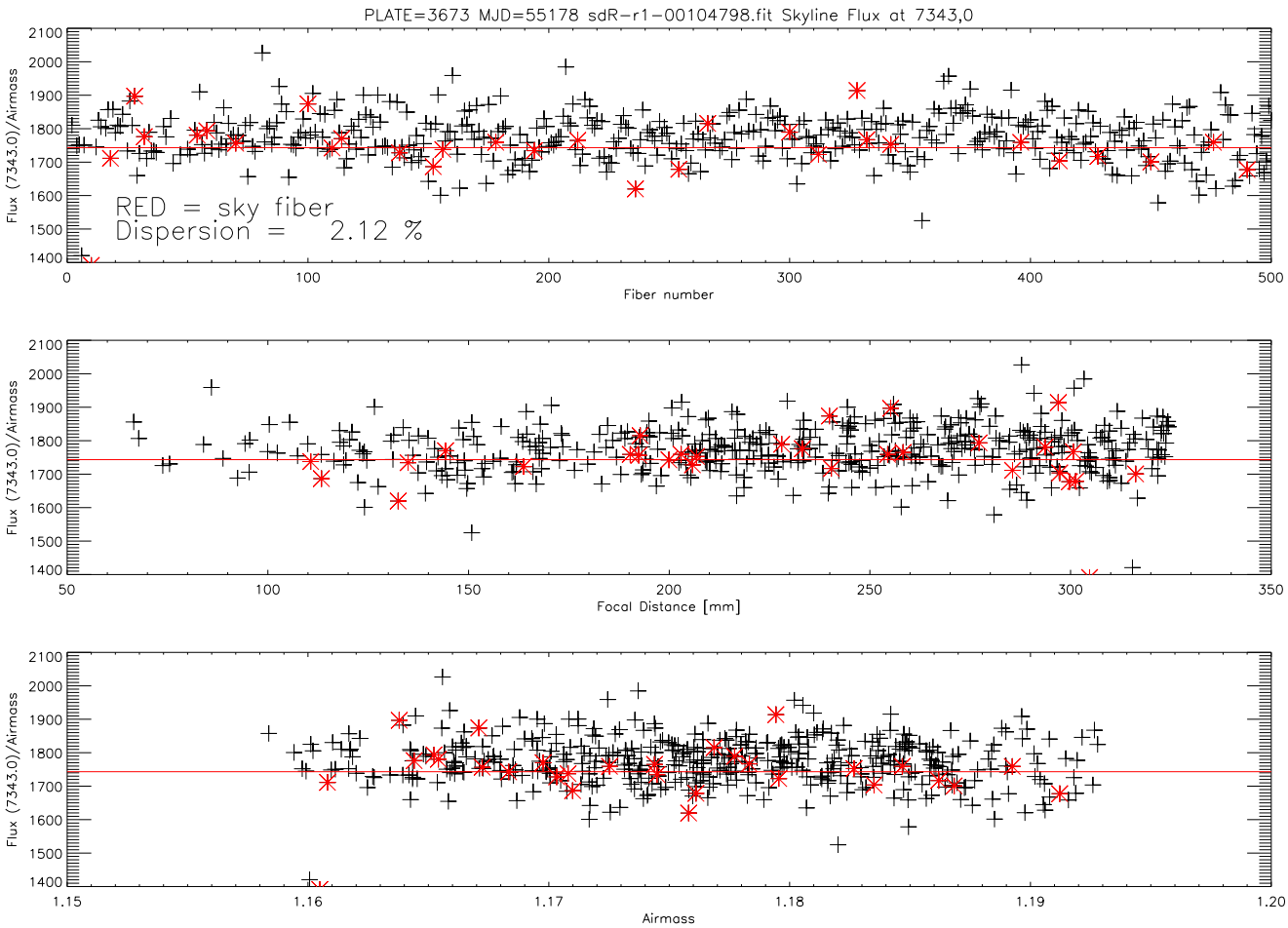

PLATE=3673 MJD=55178 sdR-r1-00104798.fit 2D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

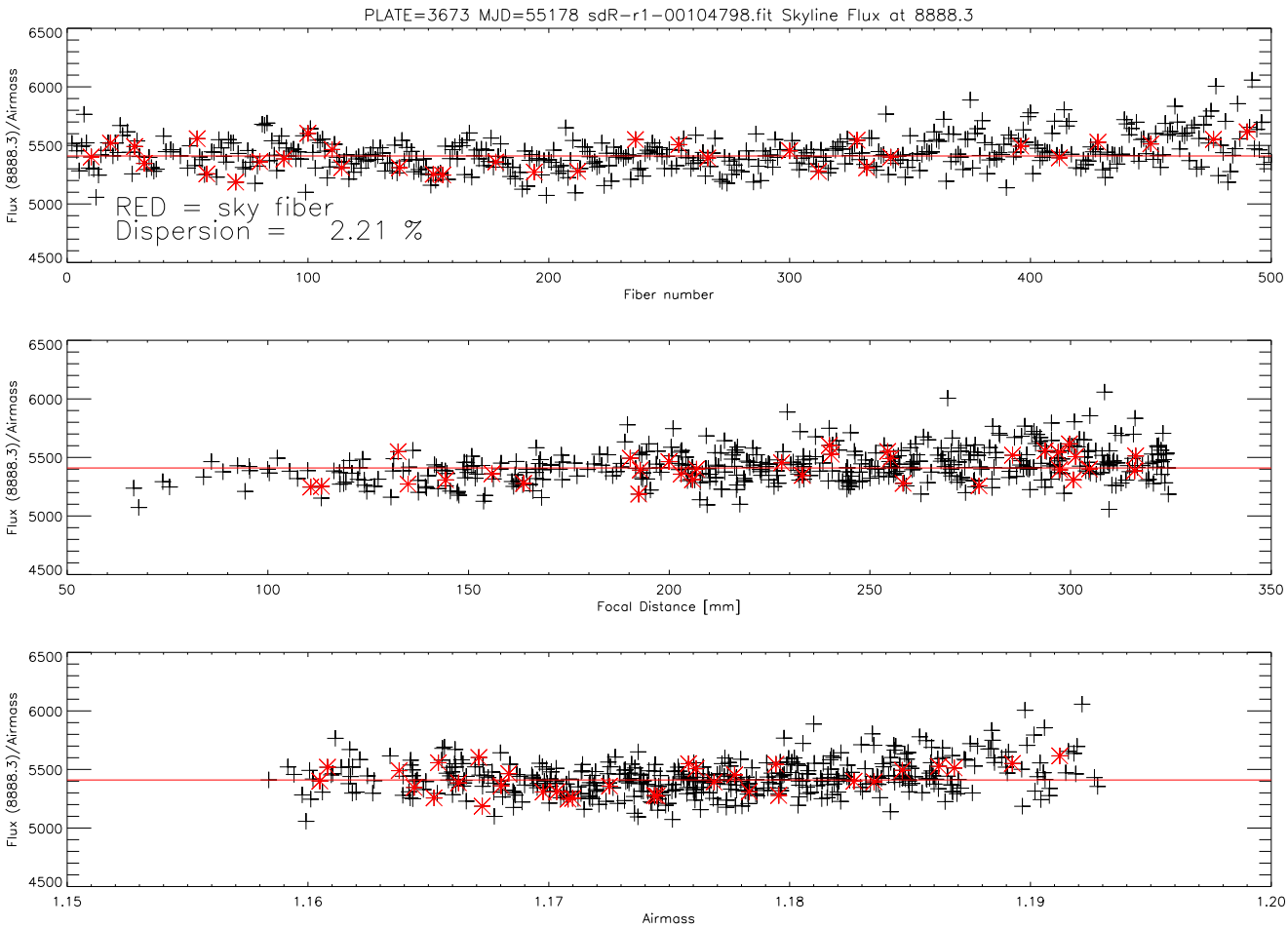

PLATE=3673 MJD=55178 sdR-r1-00104798.fit 2D Sky-subtraction Sky Fibers
Flux [electrons]
3000
2000
1000
0
8820
8840
8860
8880
8900
λ [A]

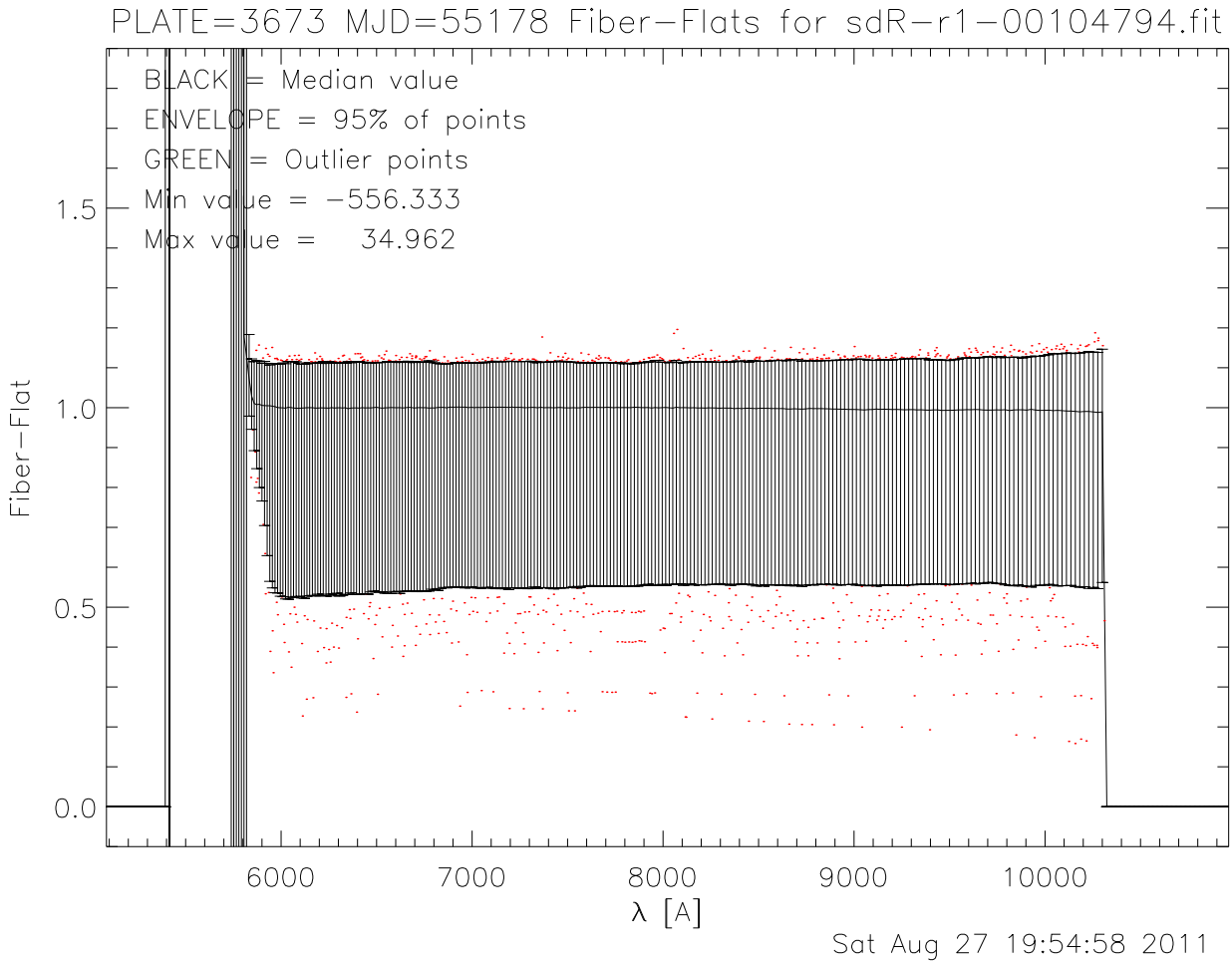

PLATE=3673 MJD=55178 sdR-r1-00104798.fit 2D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
150
100
50
0
-50
-100
-150
8820
8840
8860
8880
8900
λ [A]

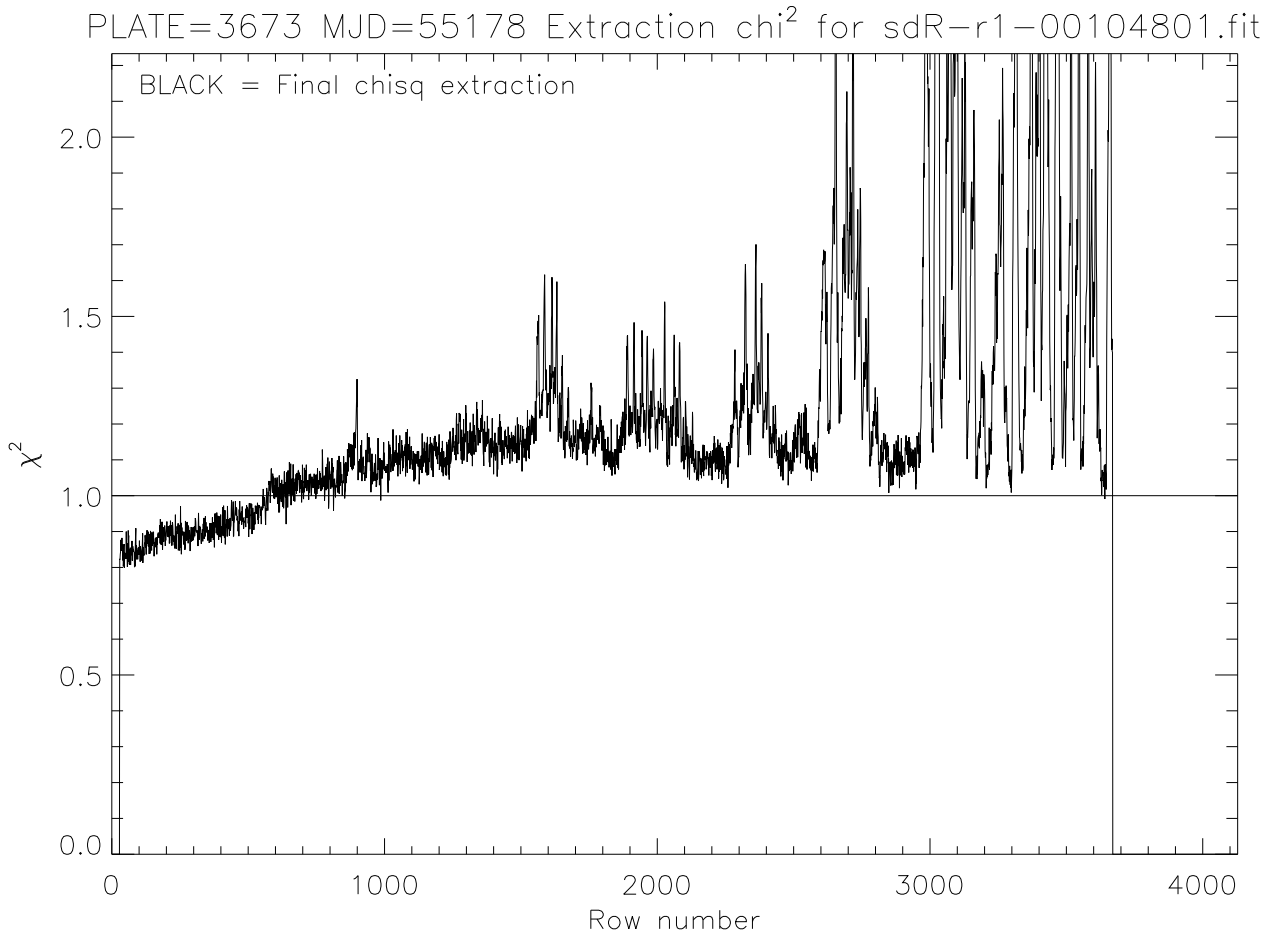
Number of sky fibers = 32

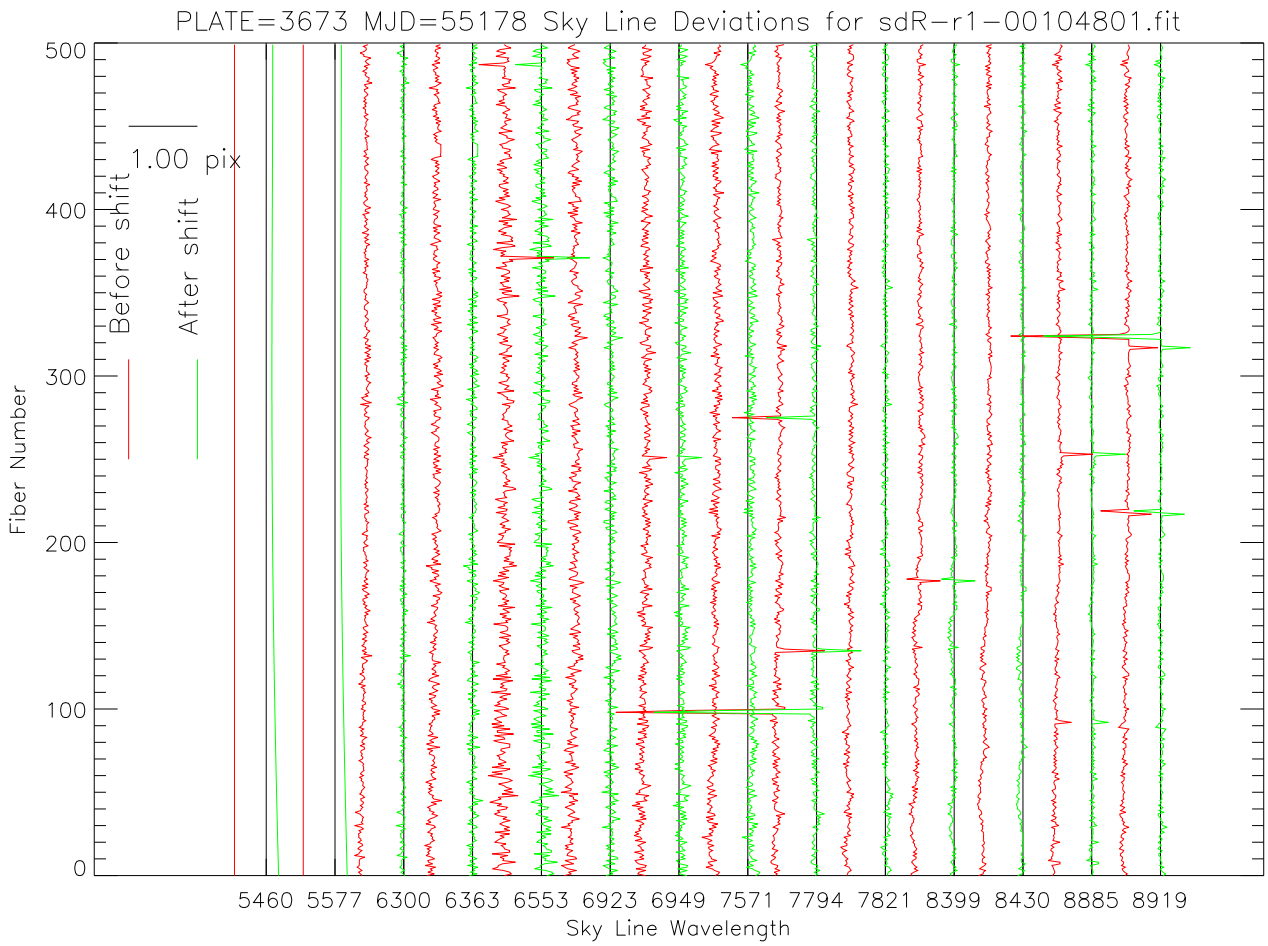


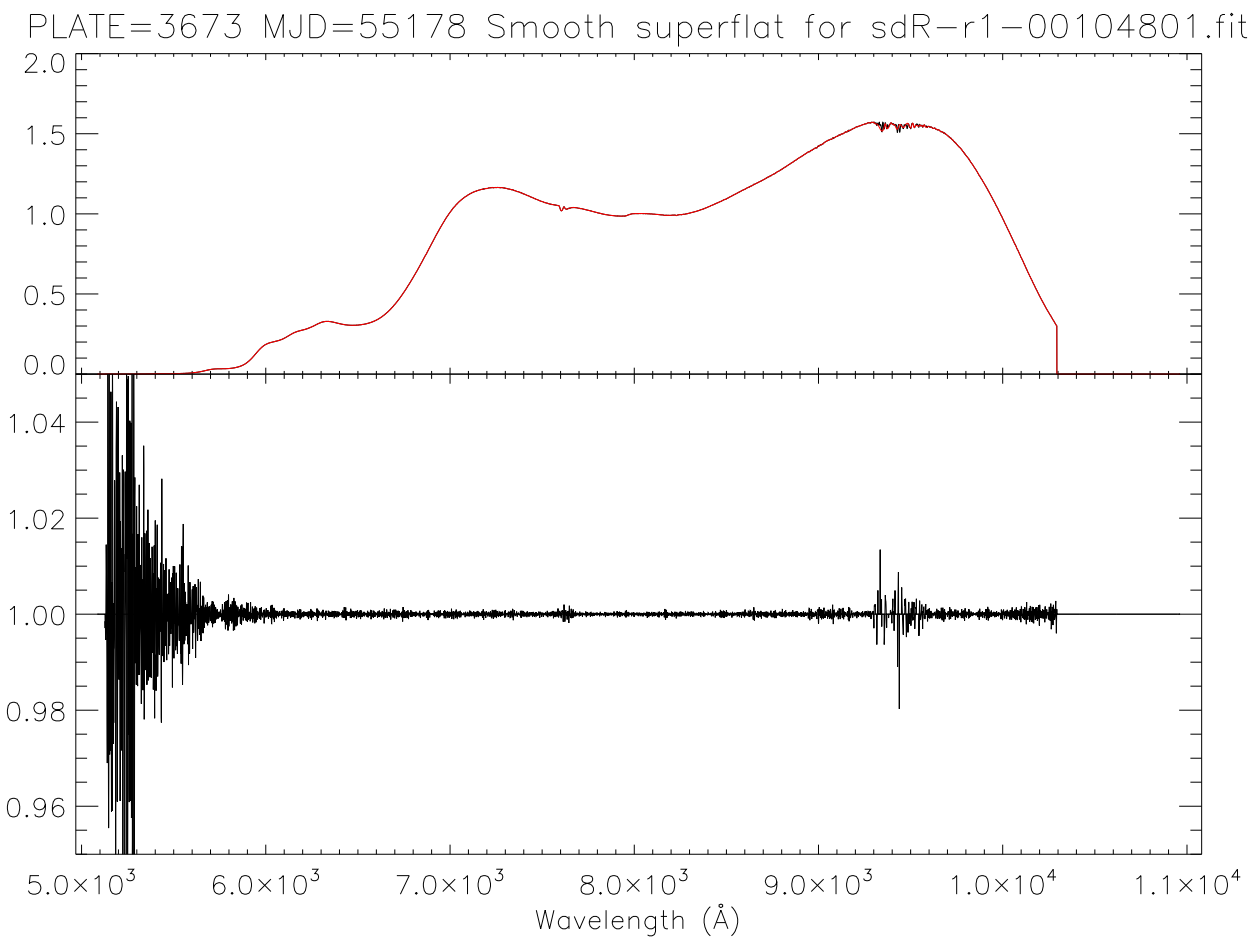

PLATE=3673 MJD=55178 sdR-r1-00104798.fit Skyline Flux at 7343,0
Flux (7343.0)/Airmass
RED = sky fiber
Dispersion = 2.12 %
Fiber number
Flux (7343.0)/Airmass
Focal Distance [mm]
Flux (7343.0)/Airmass
Airmass

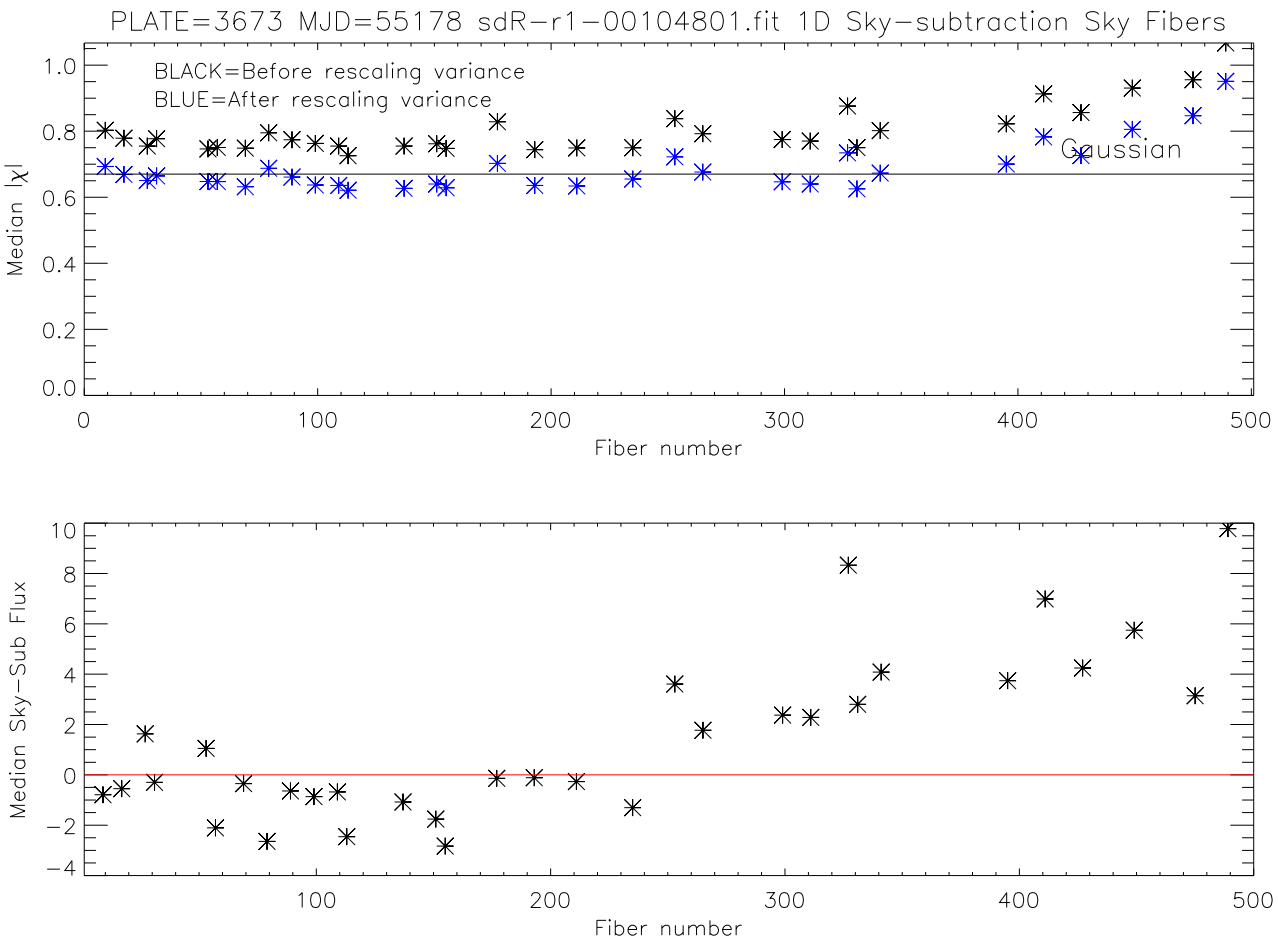

PLATE=3673 MJD=55178 sdR-r1-00104798.fit Skyline Flux at 8888.3
Flux (8888.3)/Airmass
RED = sky fiber
Dispersion = 2.21 %
Fiber number
Flux (8888.3)/Airmass
Focal Distance [mm]
Flux (8888.3)/Airmass
Airmass

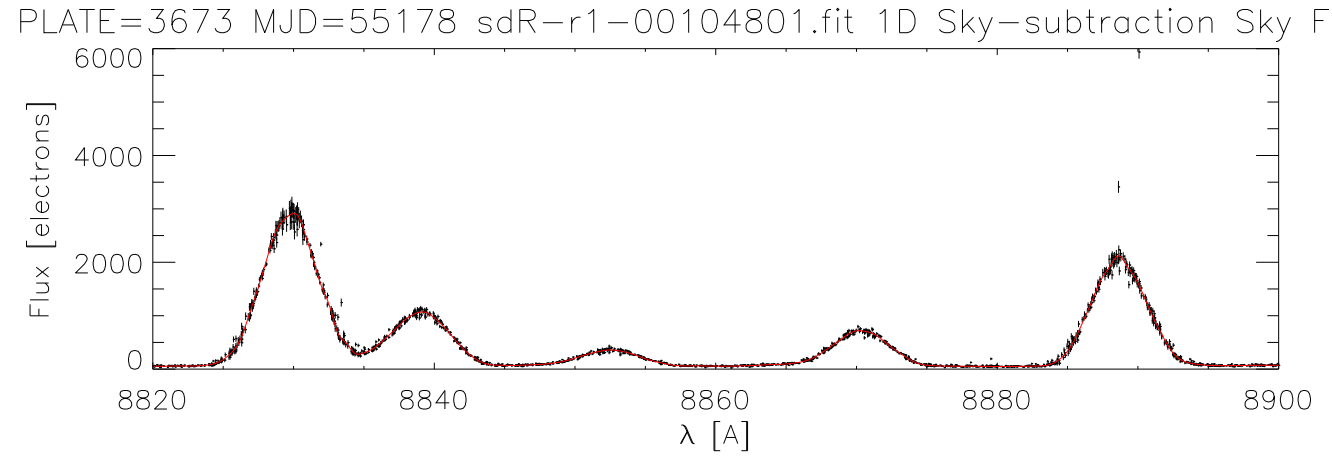

PLATE=3673 MJD=55178 Fiber-Flats for sdR-r1-00104794.fit
BLACK = Median value
ENVELOPE = 95% of points
GREEN = Outlier points
Min value = -556.333
Max value = 34.962
Fiber-Flat
1.5
1.0
0.5
0.0
6000
7000
8000
9000
10000
λ [A]
Sat Aug 27 19:54:58 2011

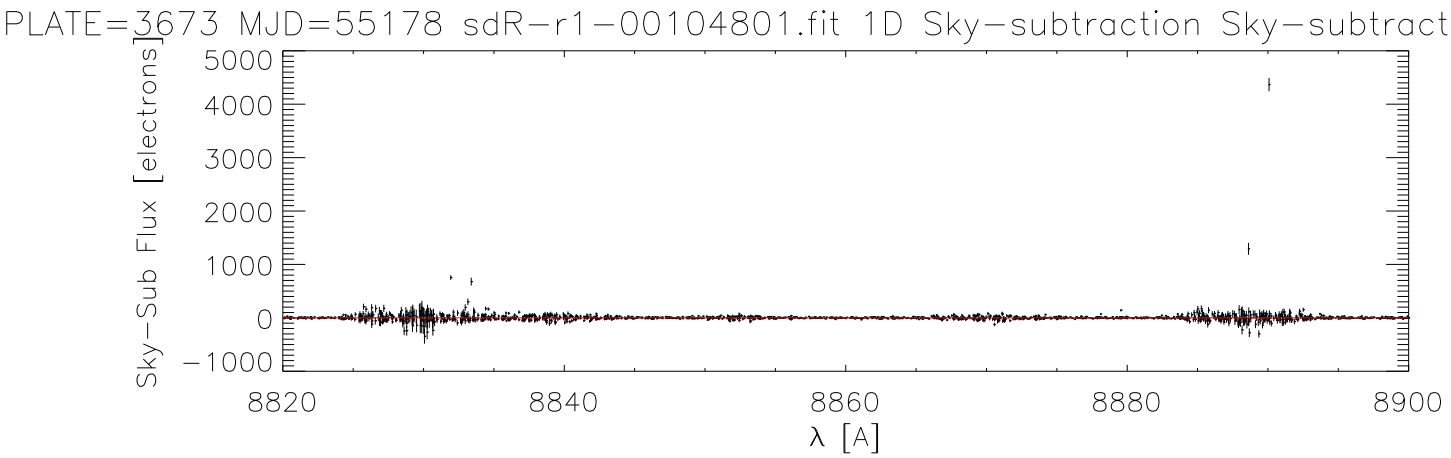

PLATE=3673 MJD=55178 Extraction chi^2 for sdR−r1−00104801.fit
BLACK = Final chisq extraction
χ^2
2.0
1.5
1.0
0.5
0.0
0
1000
2000
3000
4000
Row number


PLATE=3673 MJD=55178 Sky Line Deviations for sdR-r1-00104801.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

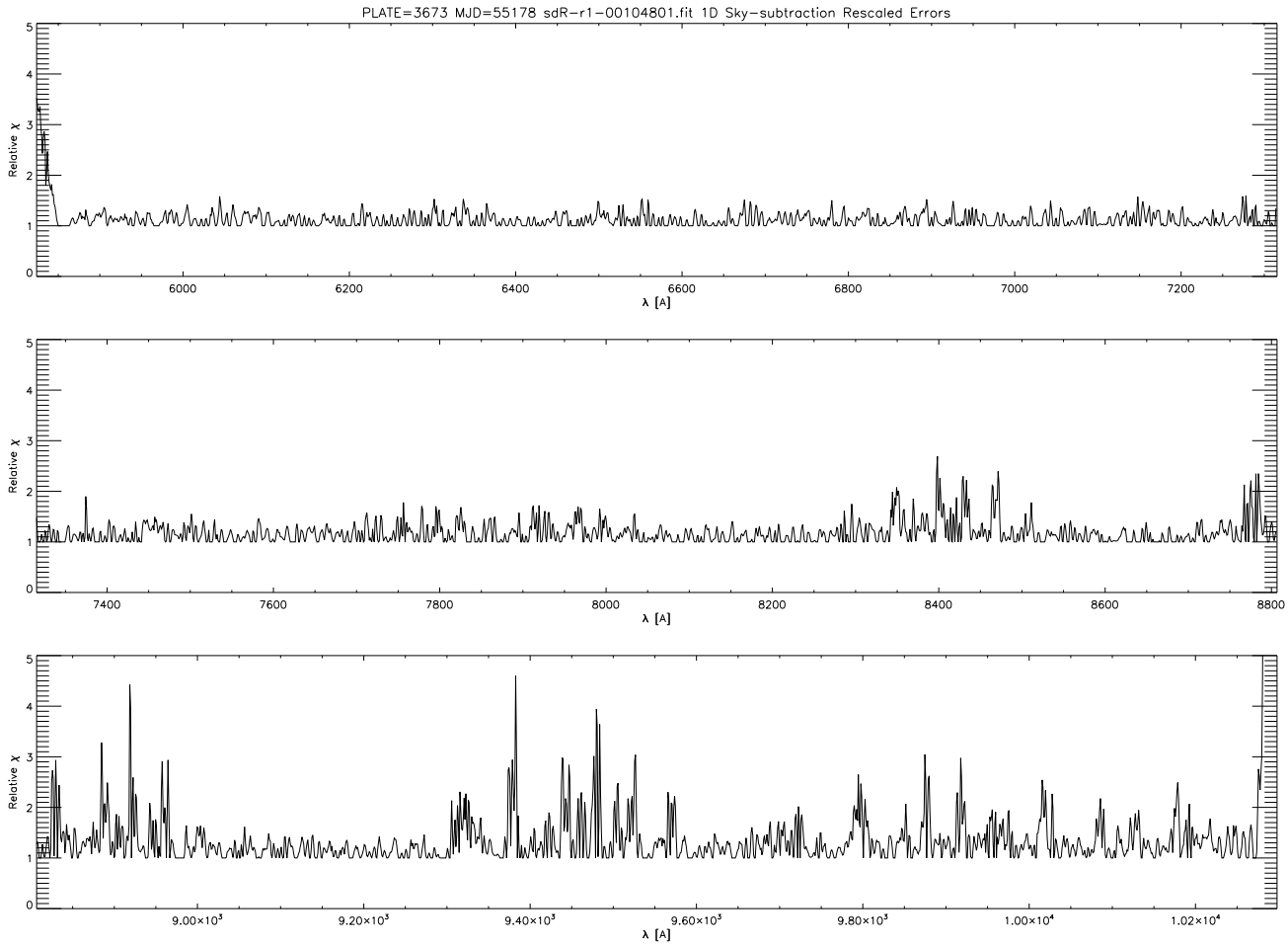

PLATE=3673 MJD=55178 Smooth superflat for sdR-r1-00104801.fit
2.0
1.5
1.0
0.5
0.0
1.04
1.02
1.00
0.98
0.96
5.0×10^3
6.0×10^3
7.0×10^3
8.0×10^3
9.0×10^3
1.0×10^4
1.1×10^4
Wavelength (Å)

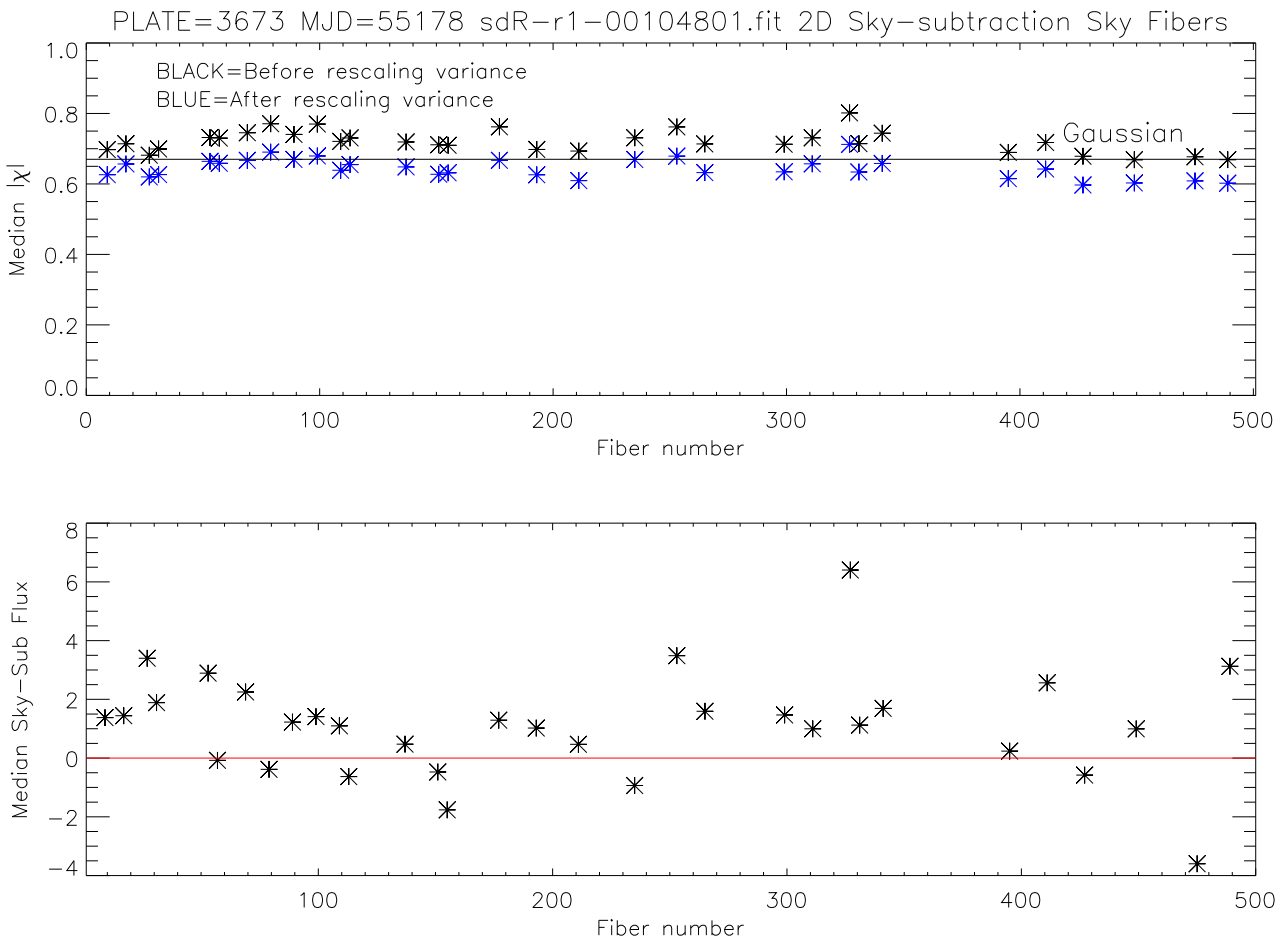

PLATE=3673 MJD=55178 sdR-r1-00104801.fit 1D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

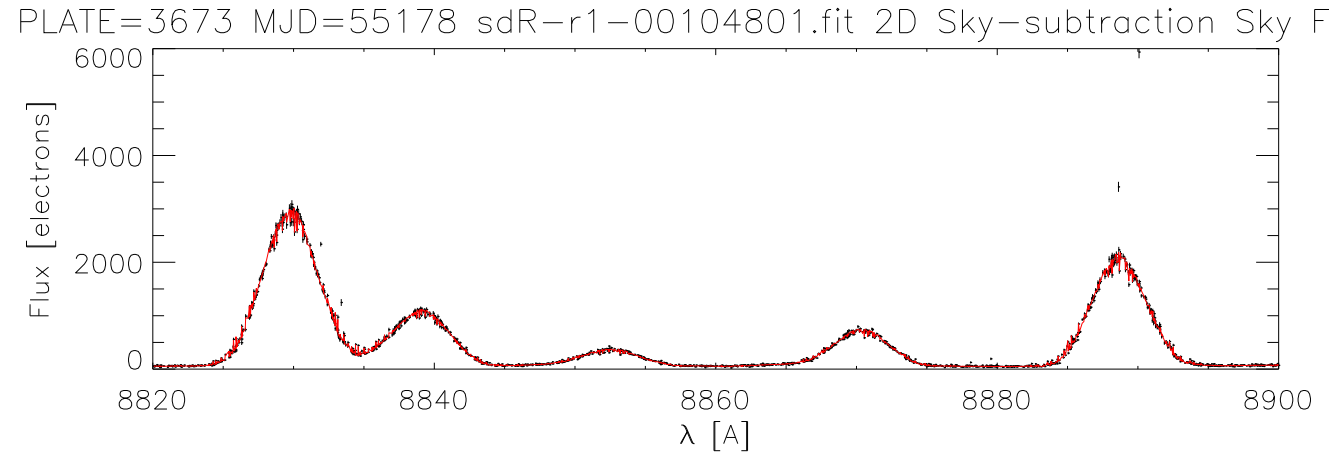

PLATE=3673 MJD=55178 sdR-r1-00104801.fit 1D Sky-subtraction Sky Fibers
Flux [electrons]
6000
4000
2000
0
8820
8840
8860
8880
8900
λ [A]

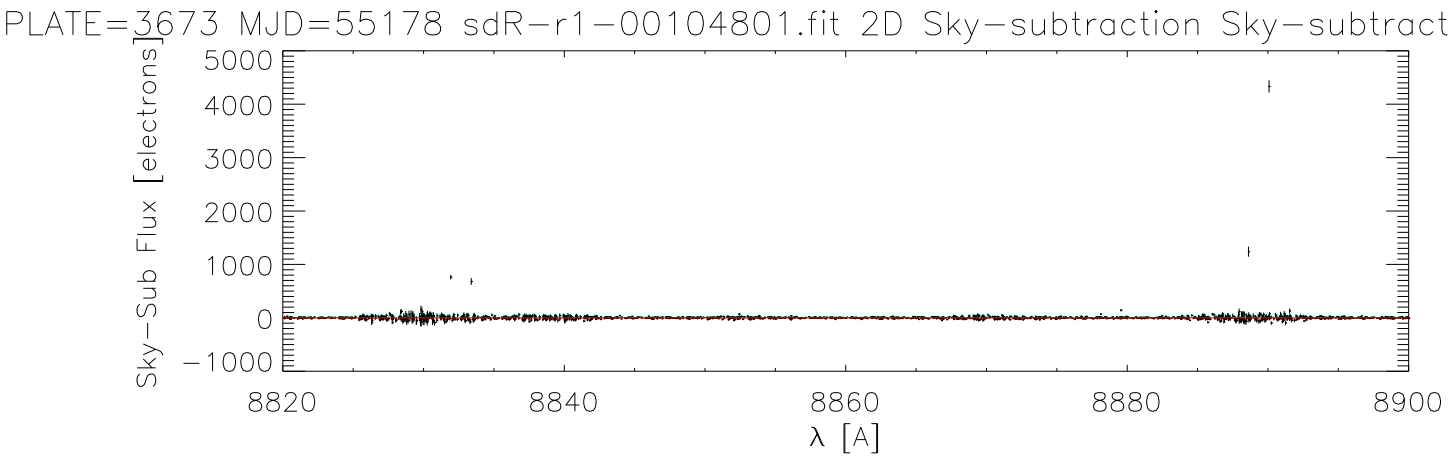

PLATE=3673 MJD=55178 sdR-r1-00104801.fit 1D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
5000
4000
3000
2000
1000
0
-1000
8820
8840
8860
8880
8900
λ [A]

Number of sky fibers = 32

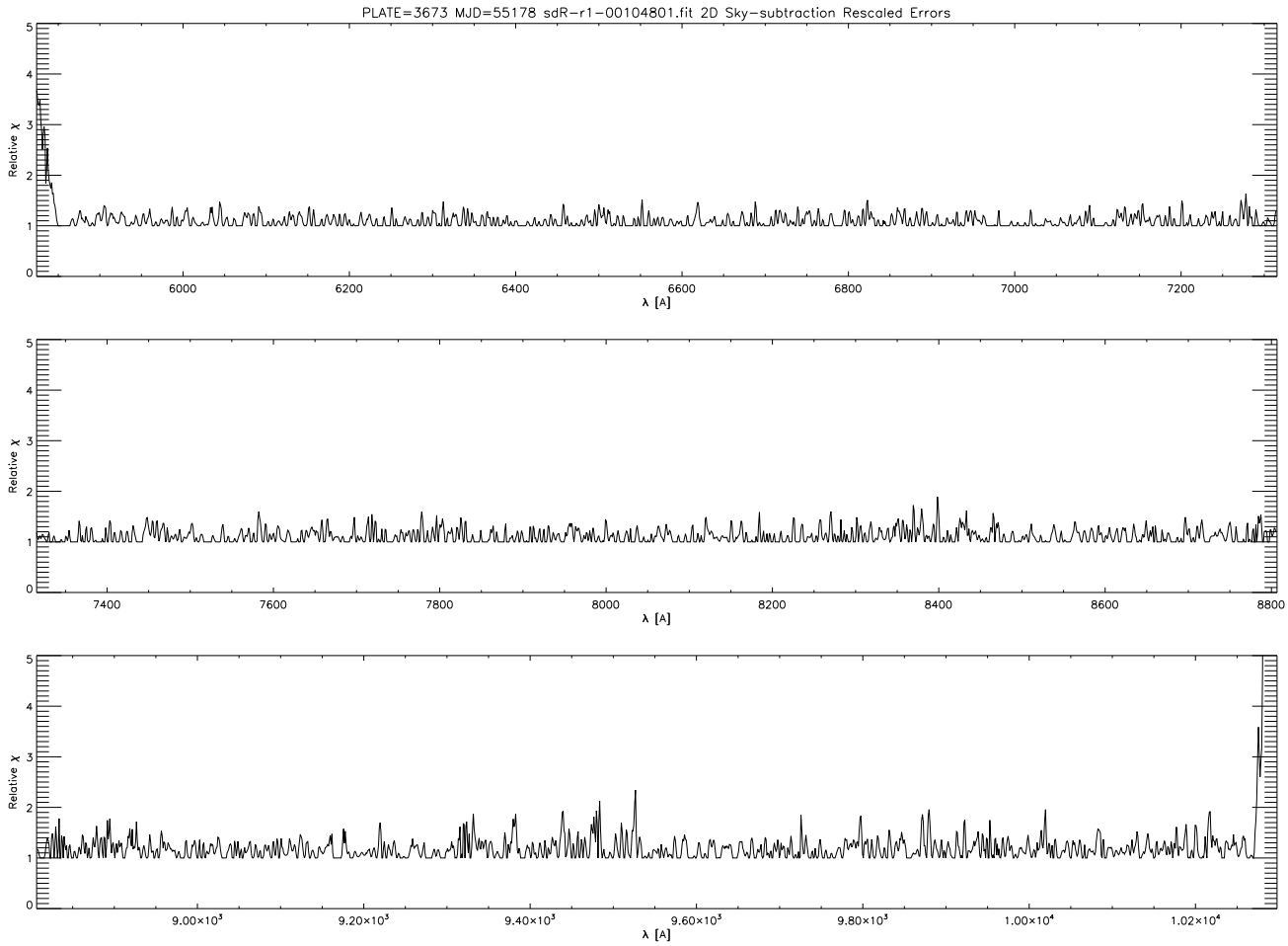


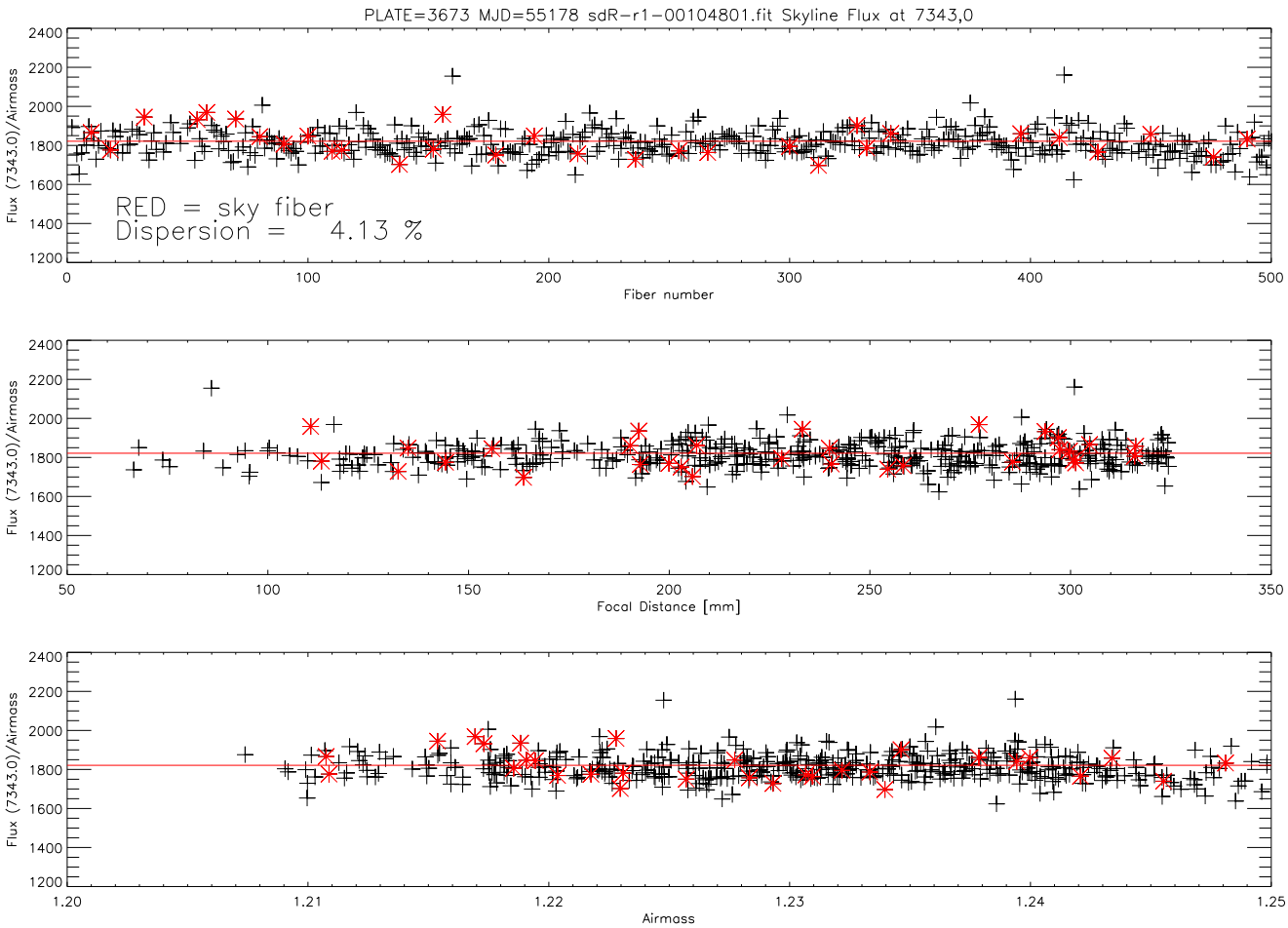

PLATE=3673 MJD=55178 sdR-r1-00104801.fit 2D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

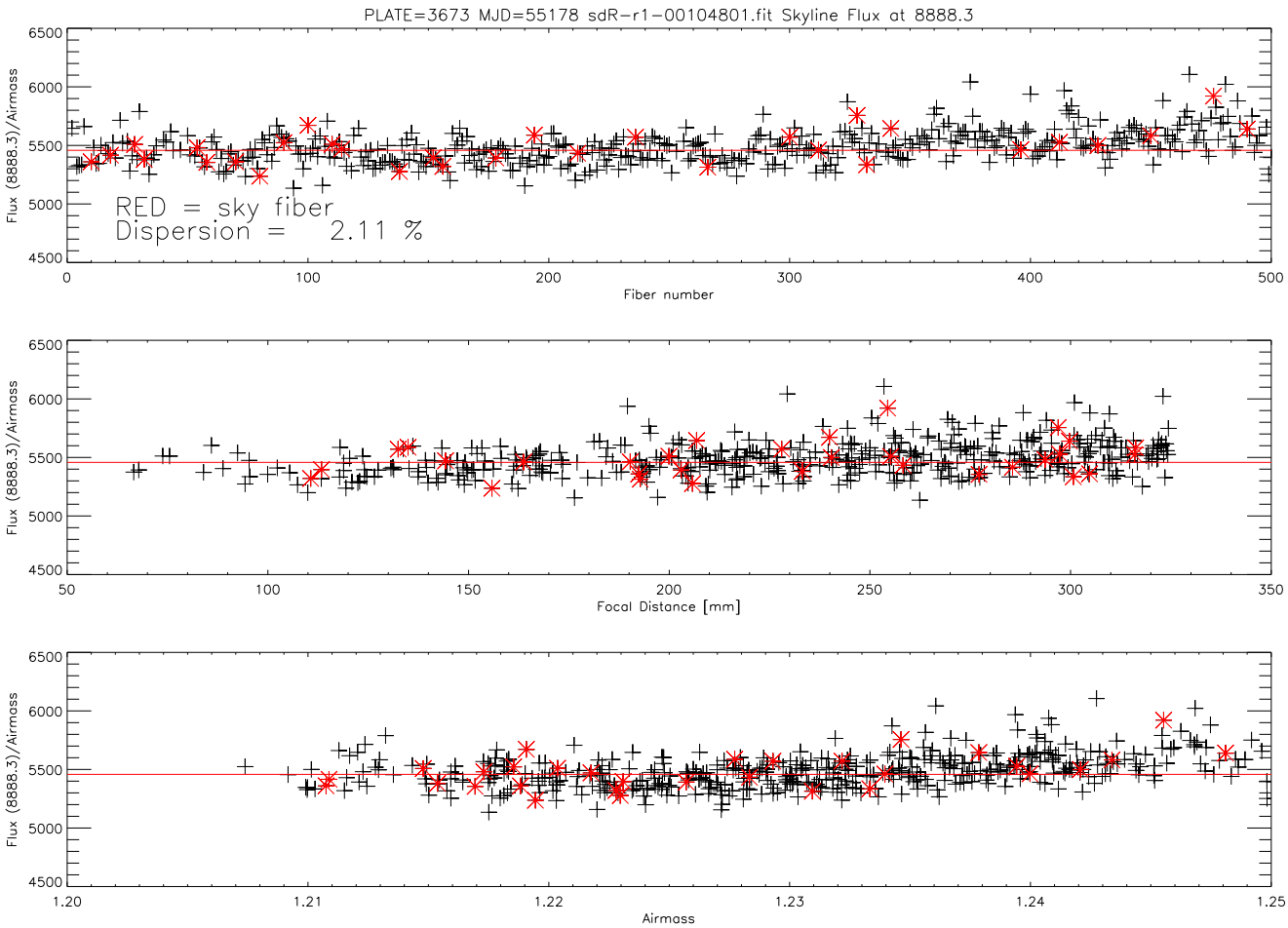

PLATE=3673 MJD=55178 sdR-r1-00104801.fit 2D Sky-subtraction Sky Fibers
Flux [electrons]
6000
4000
2000
0
8820
8840
8860
8880
8900
λ [A]


PLATE=3673 MJD=55178 sdR-r1-00104801.fit 2D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
5000
4000
3000
2000
1000
0
-1000
8820
8840
8860
8880
8900
λ [A]

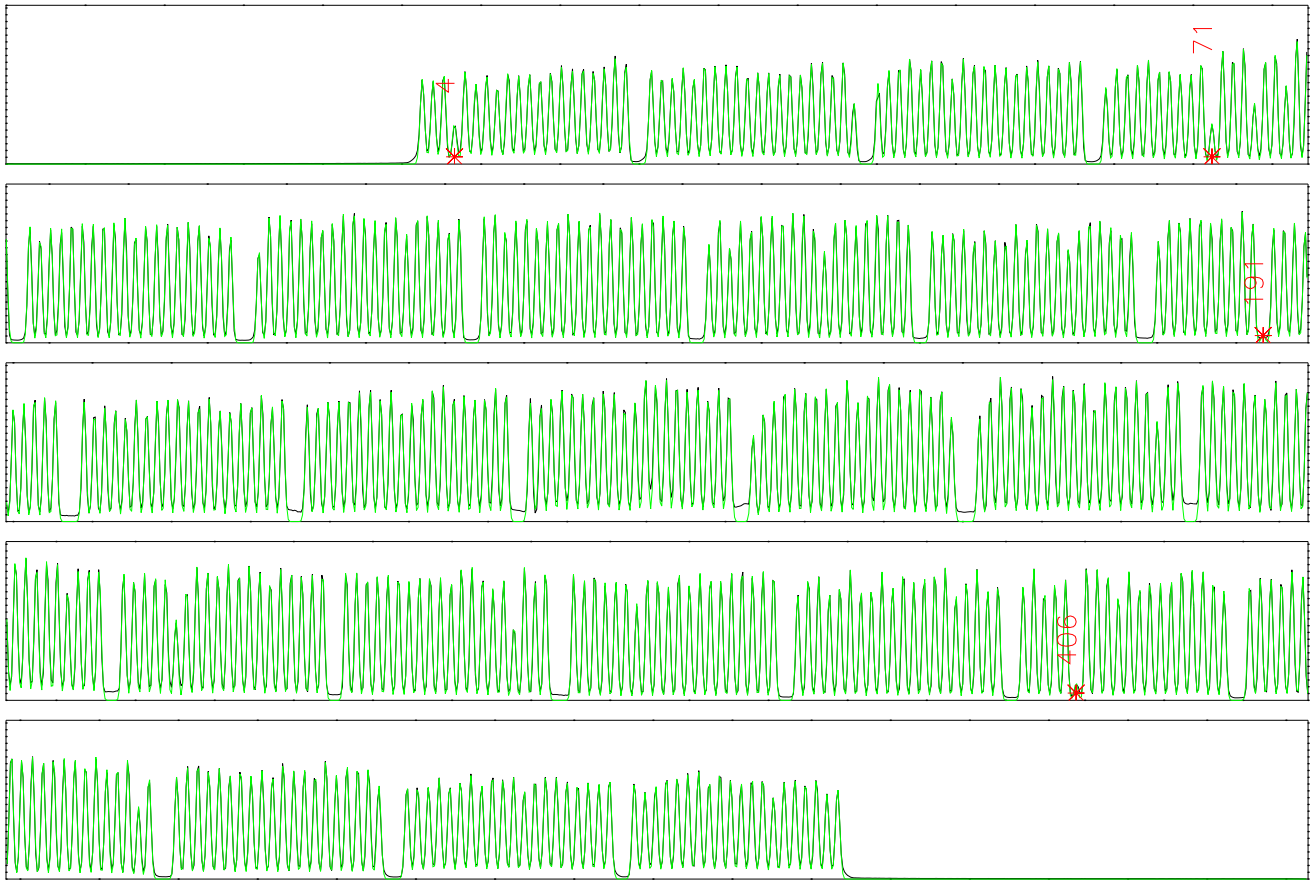
Number of sky fibers = 32



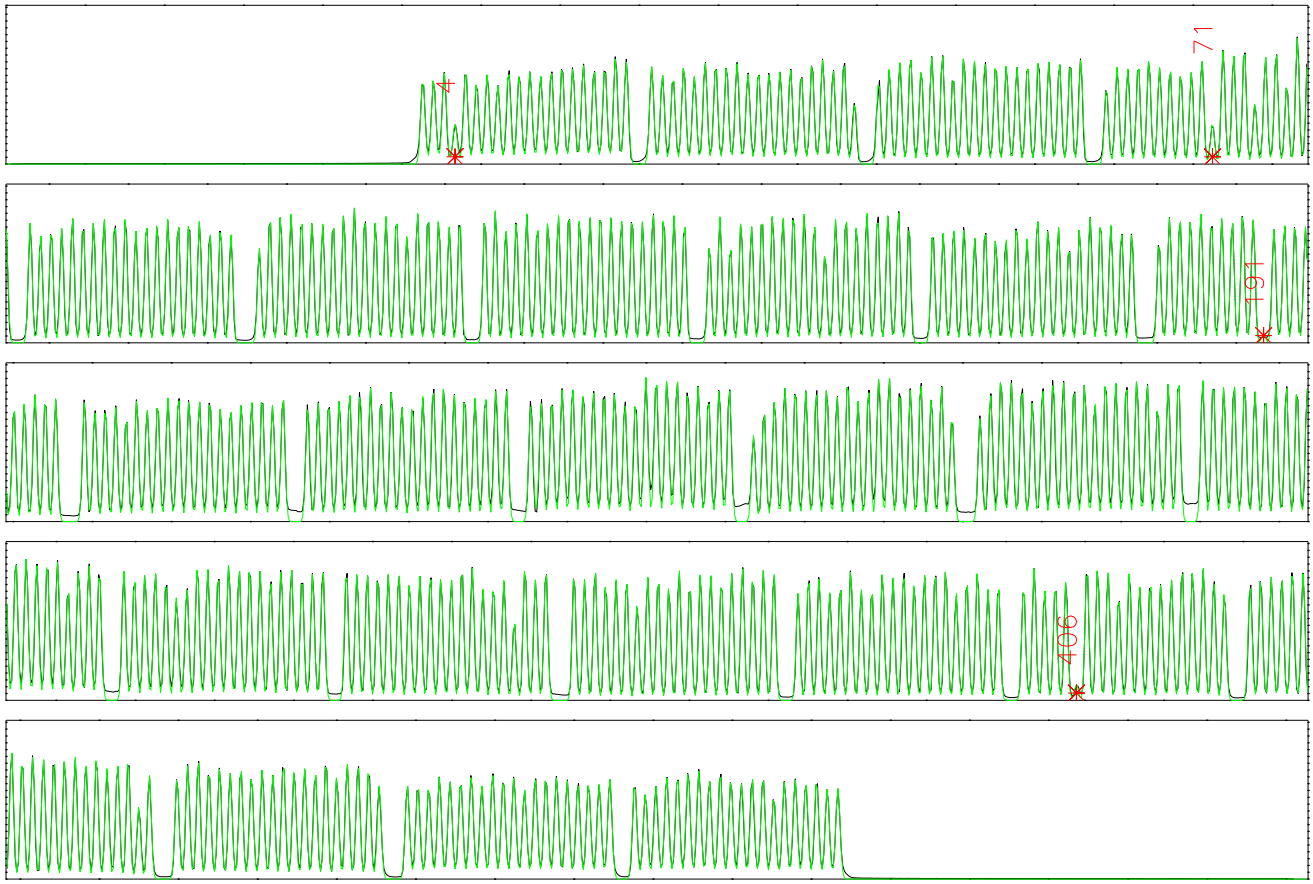

PLATE=3673 MJD=55178 sdR-r1-00104801.fit Skyline Flux at 7343,0
Flux (7343.0)/Airmass
RED = sky fiber
Dispersion = 4.13 %
Fiber number
Flux (7343.0)/Airmass
Focal Distance [mm]
Flux (7343.0)/Airmass
Airmass


PLATE=3673 MJD=55178 sdR-r1-00104801.fit Skyline Flux at 8888.3
Flux (8888.3)/Airmass
RED = sky fiber
Dispersion = 2.11 %
Fiber number
Focal Distance [mm]
Airmass

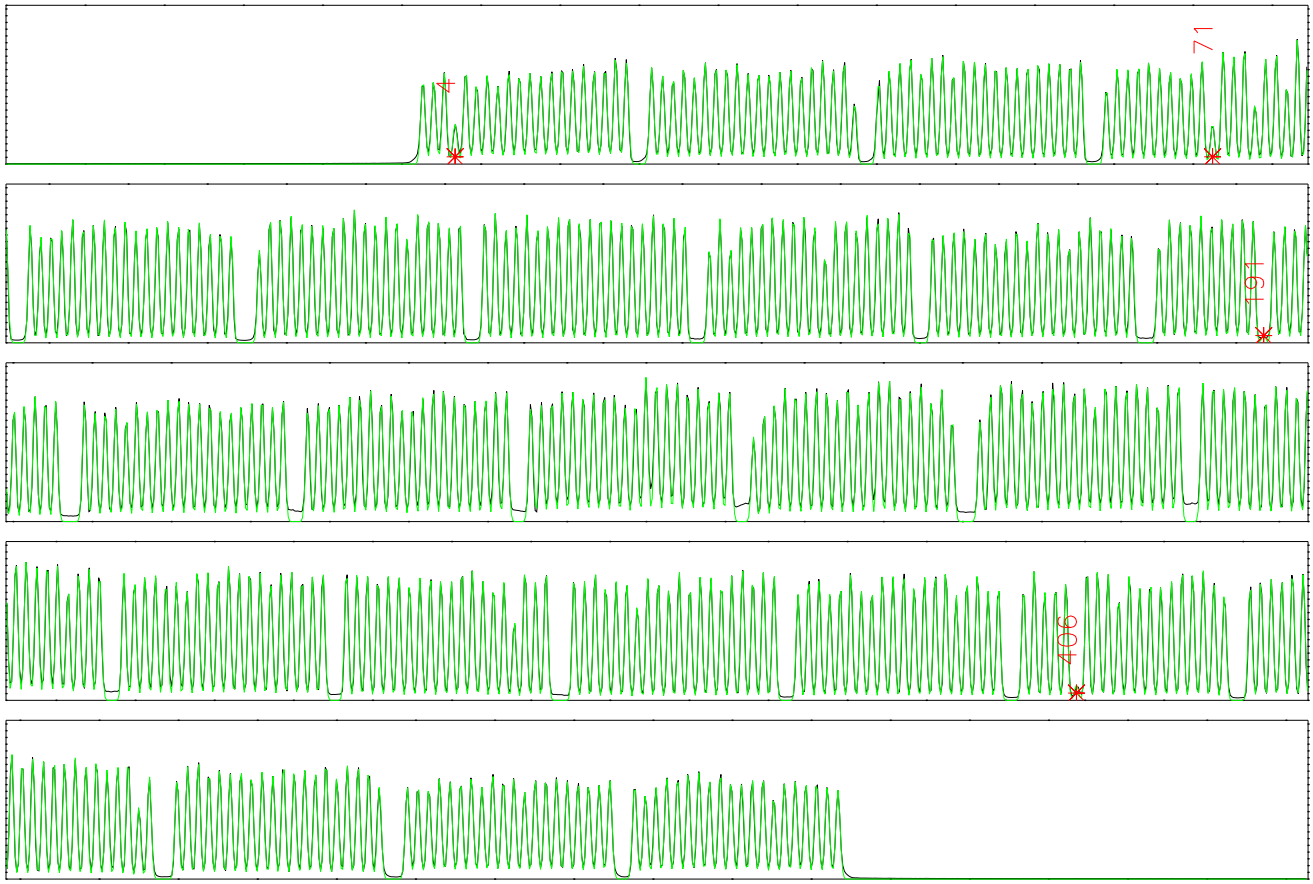
PLATE=3673 MJD=55178 Traces sdR-r2-00104788.fit

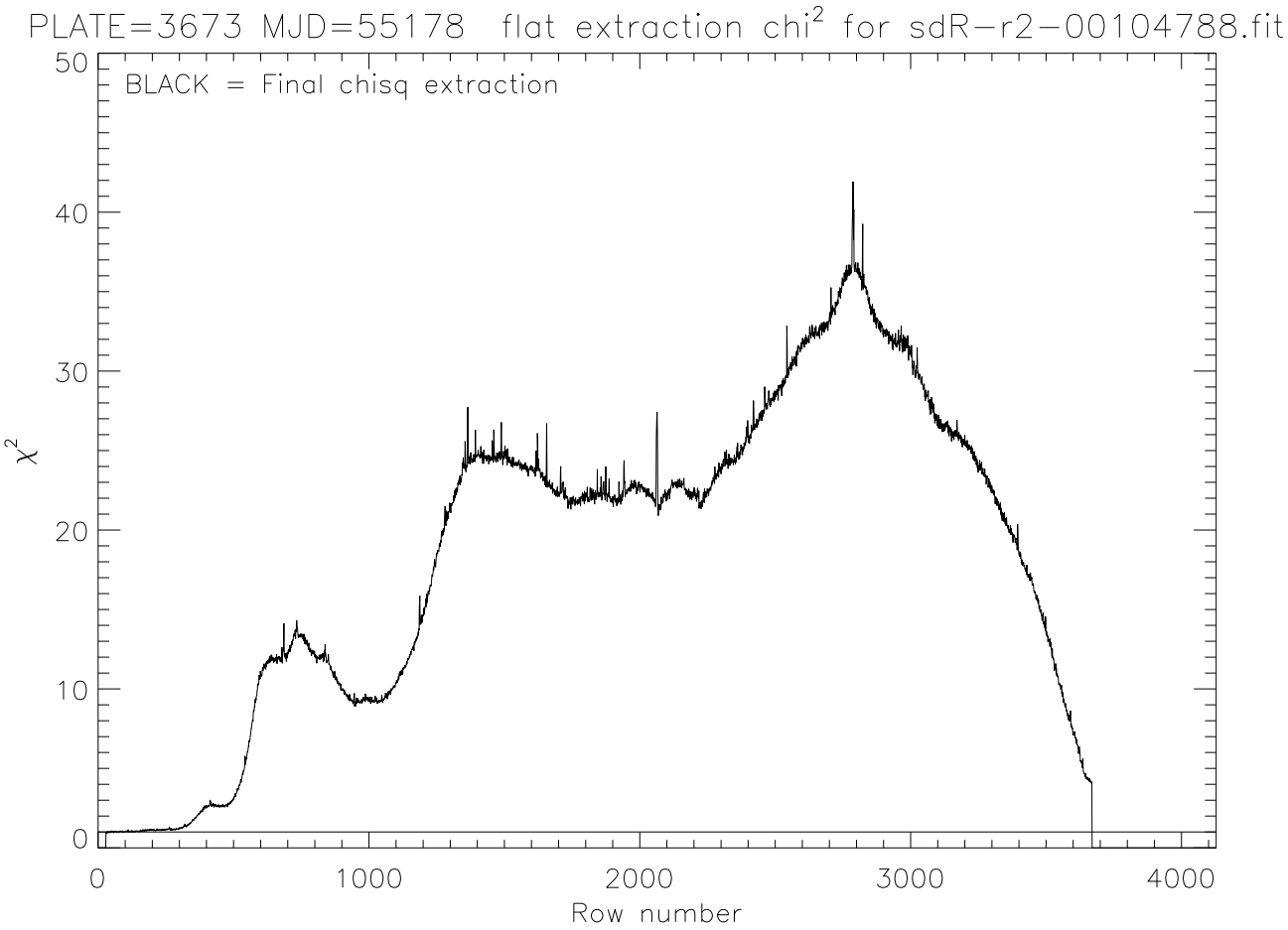


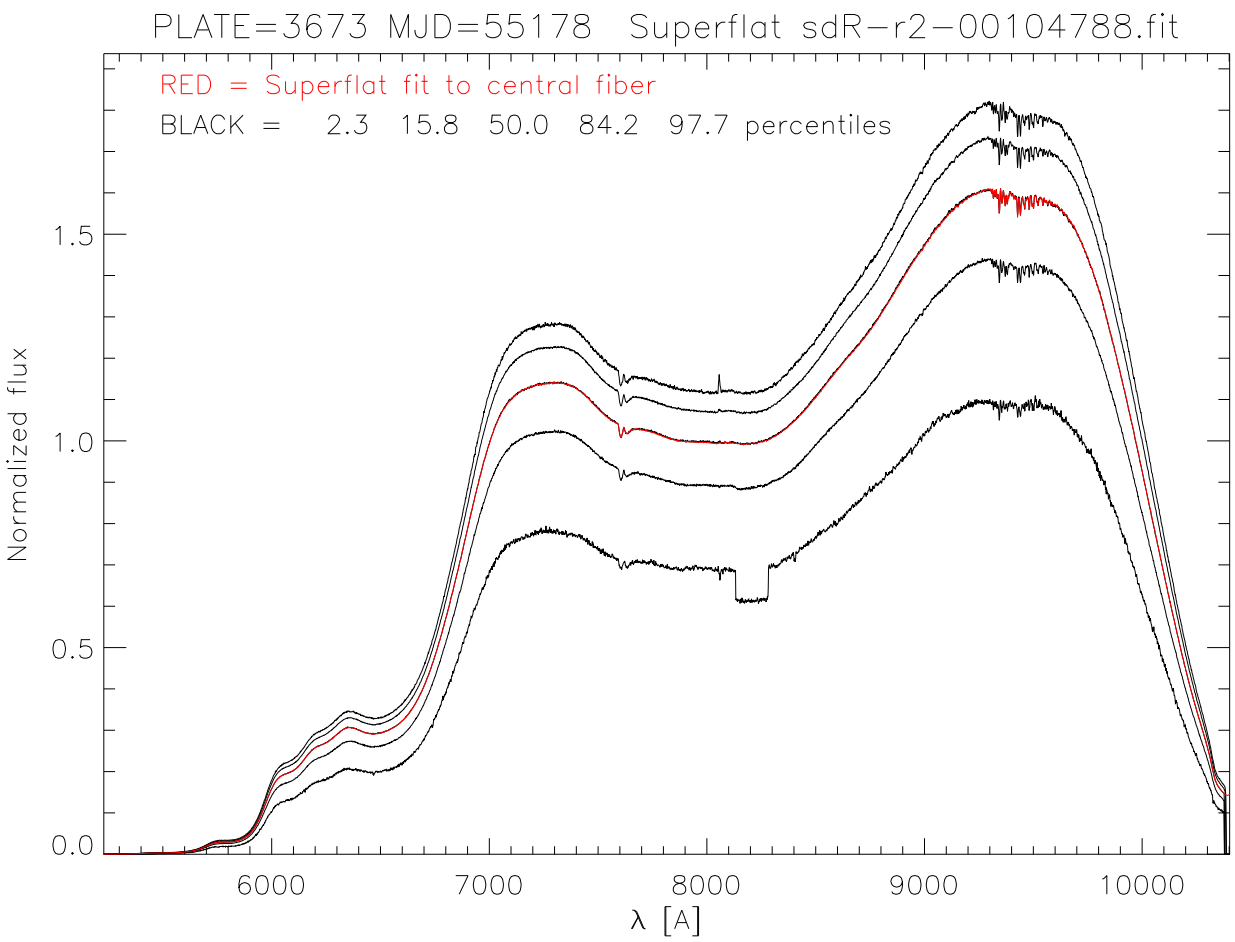
PLATE=3673 MJD=55178 Traces sdR-r2-00104794.fit

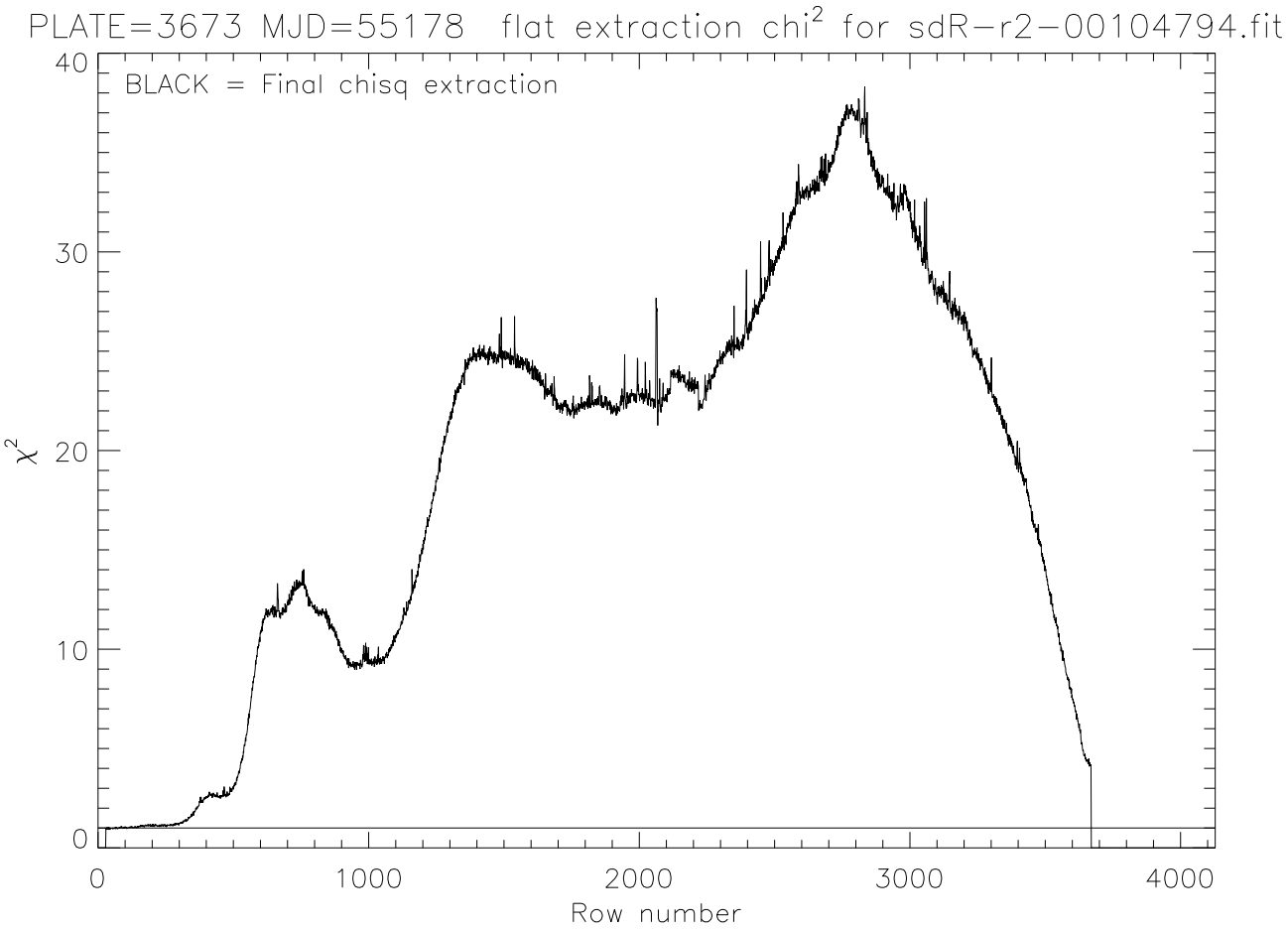


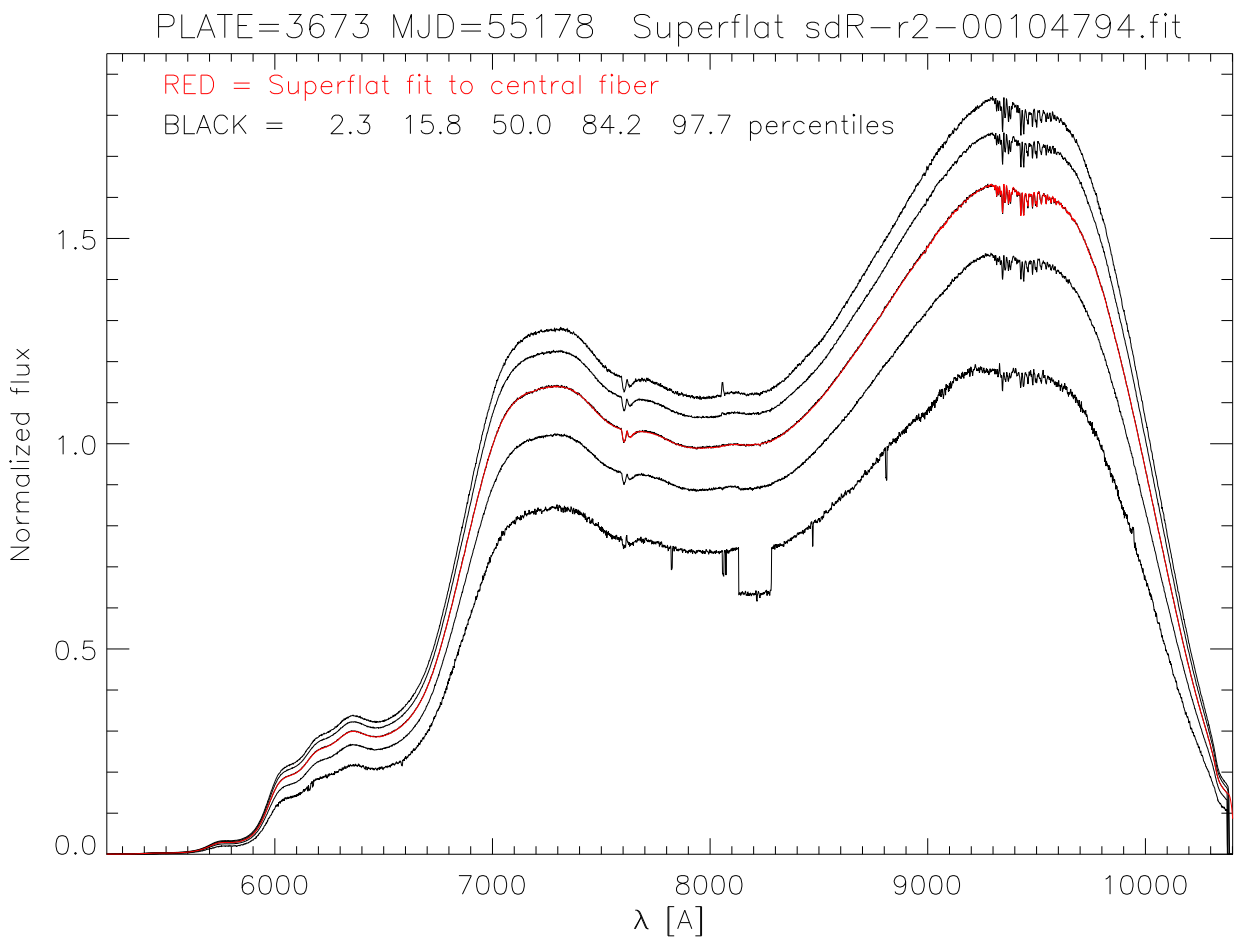
PLATE=3673 MJD=55178 Traces sdR-r2-00104799.fit

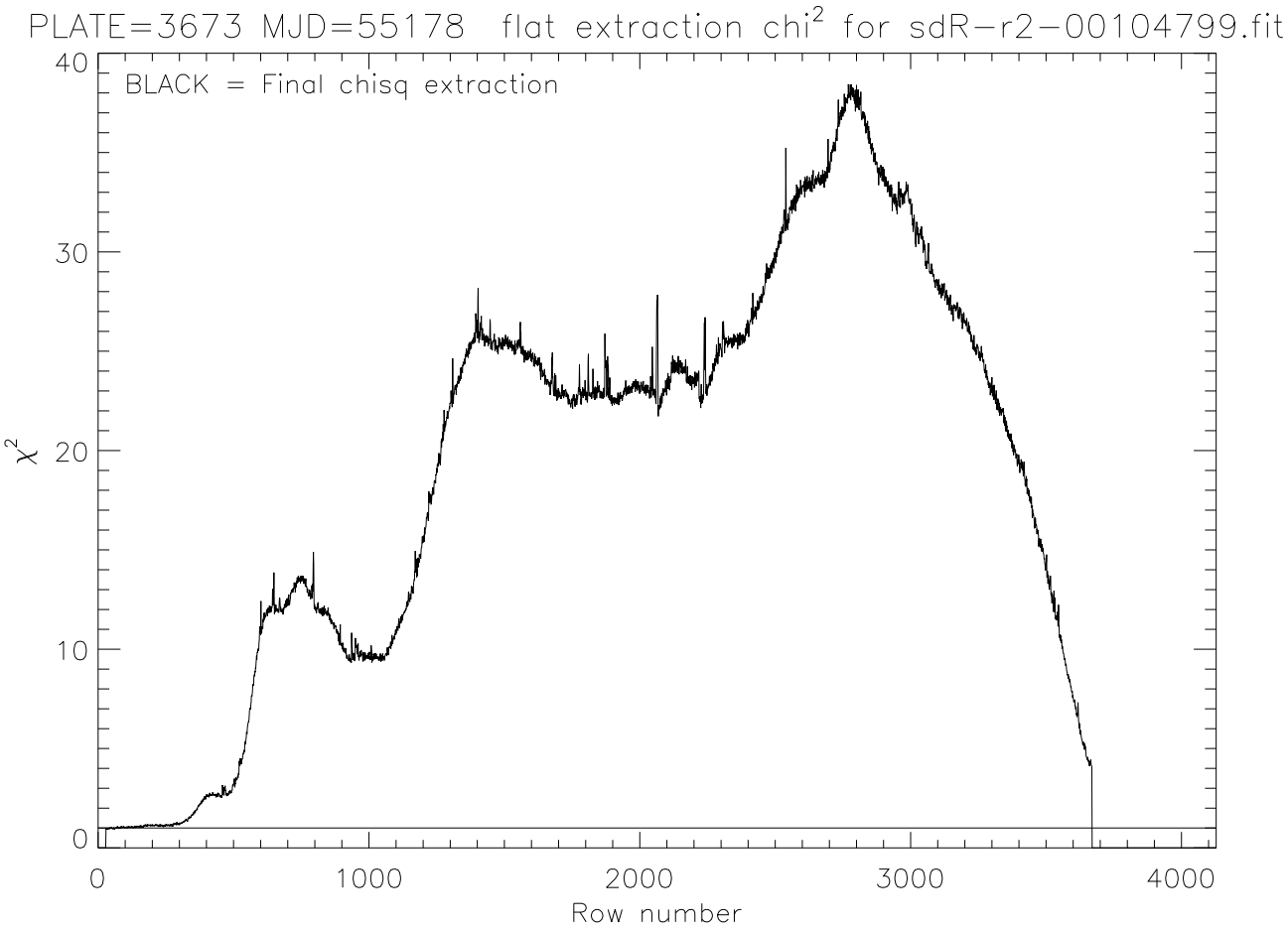


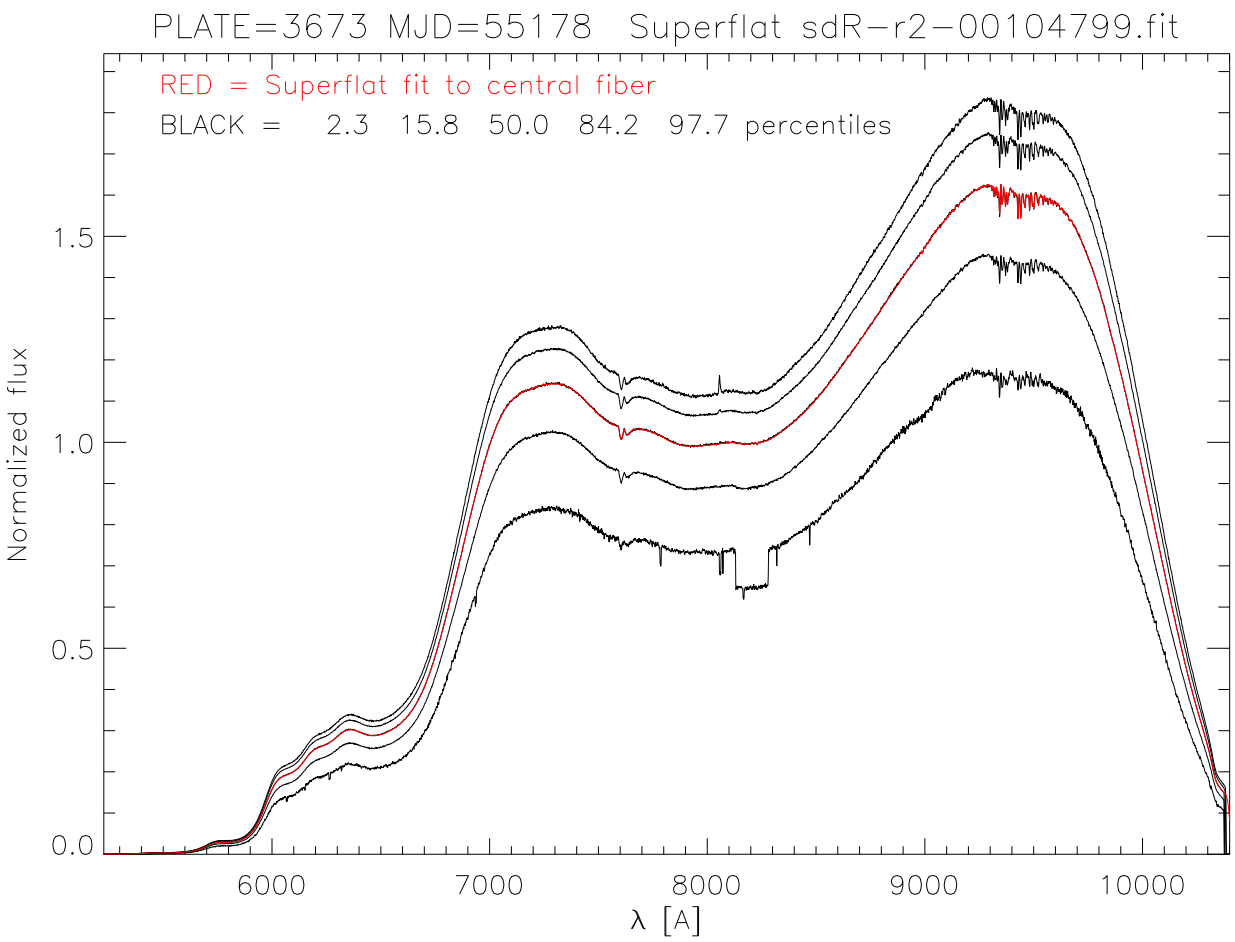

PLATE=3673 MJD=55178 flat extraction chi^2 for sdR−r2−00104788.fit
BLACK = Final chisq extraction
χ^2
Row number
0
10
20
30
40
50
0
1000
2000
3000
4000

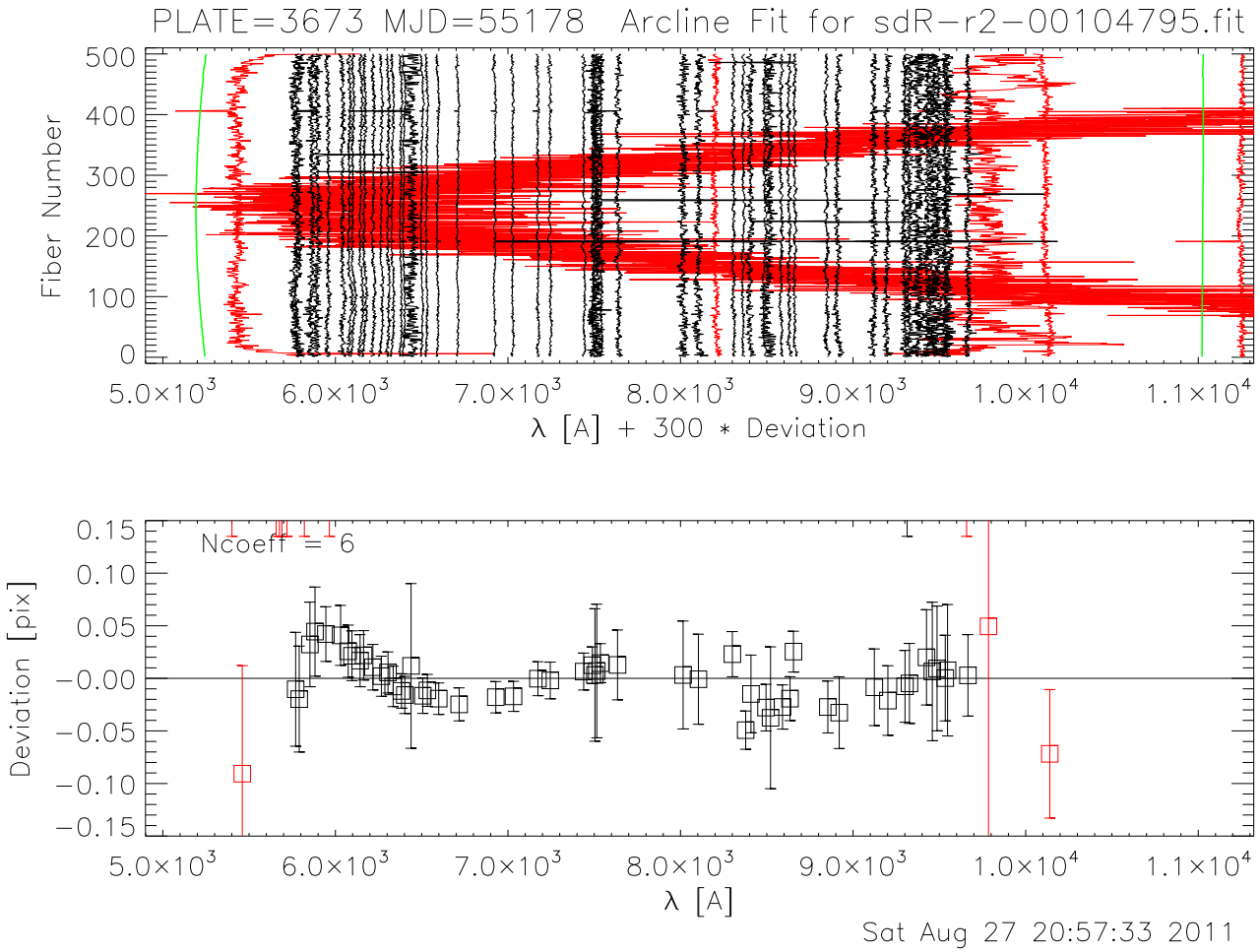

PLATE=3673 MJD=55178 Superflat sdR-r2-00104788.fit
RED = Superflat fit to central fiber
BLACK = 2.3 15.8 50.0 84.2 97.7 percentiles
Normalized flux
0.0
0.5
1.0
1.5
6000
7000
8000
9000
10000
λ [A]

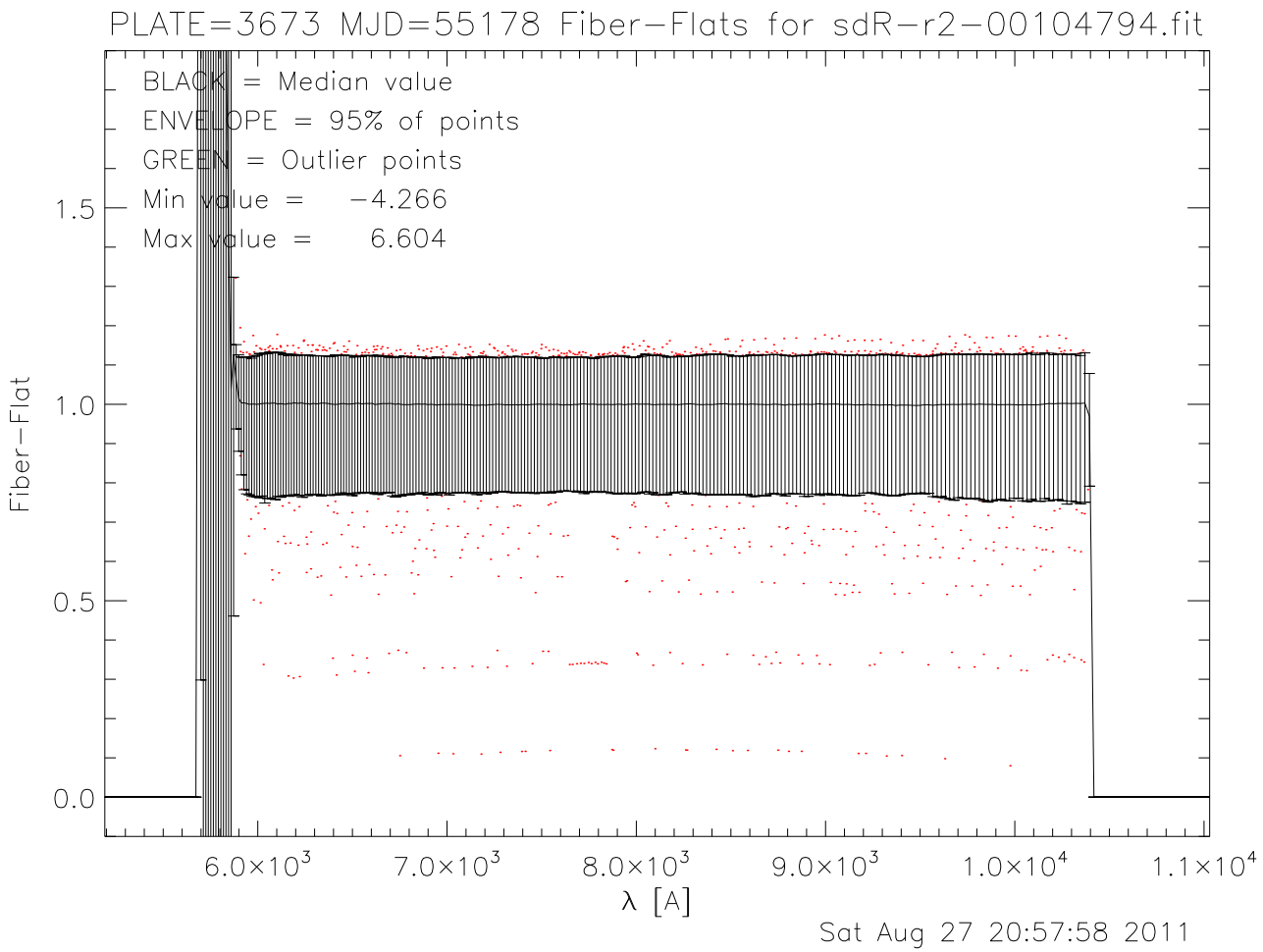

PLATE=3673 MJD=55178 flat extraction chi^2 for sdR−r2−00104794.fit
BLACK = Final chisq extraction
χ^2
0
10
20
30
40
0
1000
2000
3000
4000
Row number

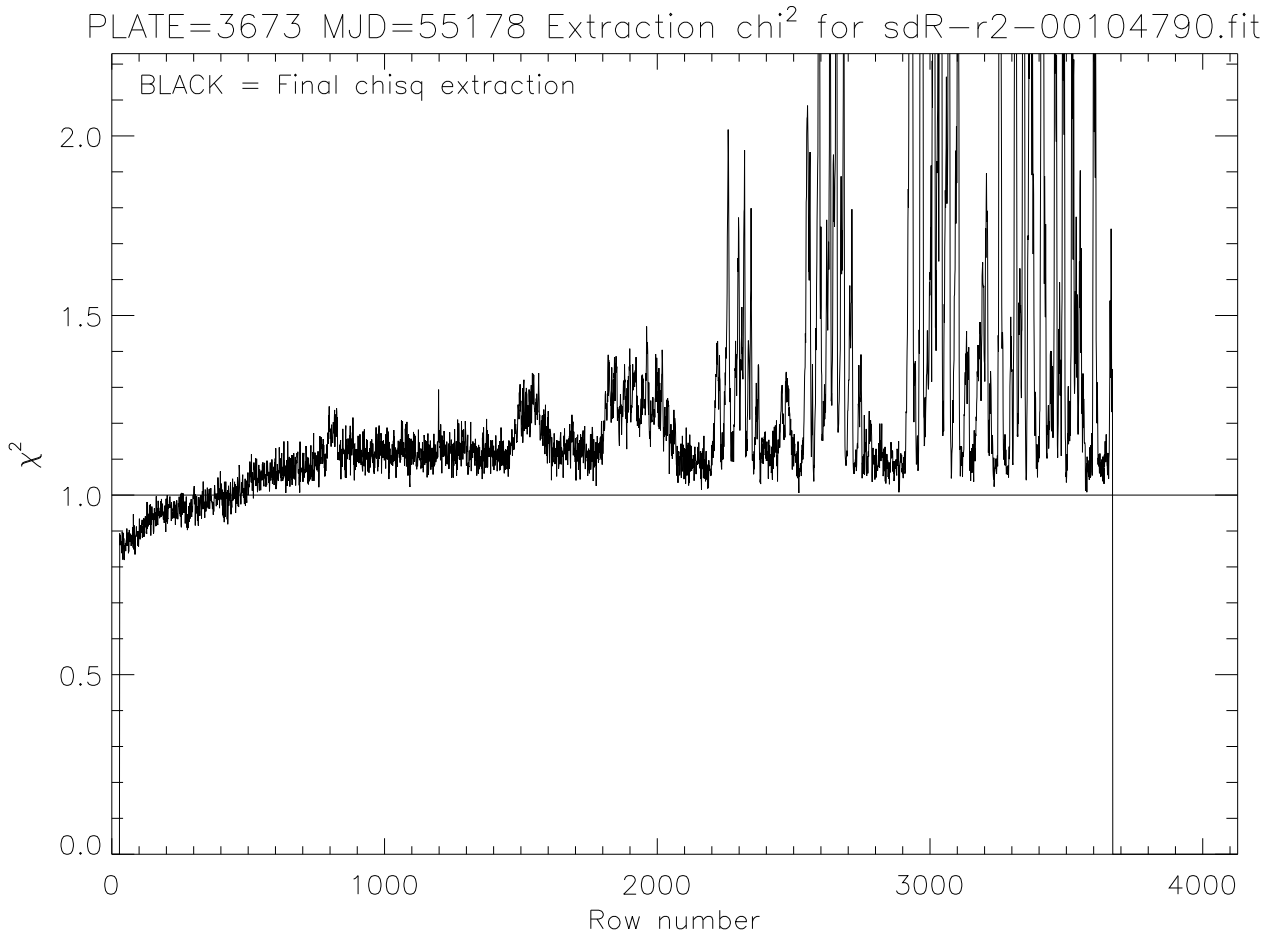

PLATE=3673 MJD=55178 Superflat sdR-r2-00104794.fit
RED = Superflat fit to central fiber
BLACK = 2.3 15.8 50.0 84.2 97.7 percentiles
Normalized flux
0.0
0.5
1.0
1.5
6000
7000
8000
9000
10000
λ [A]

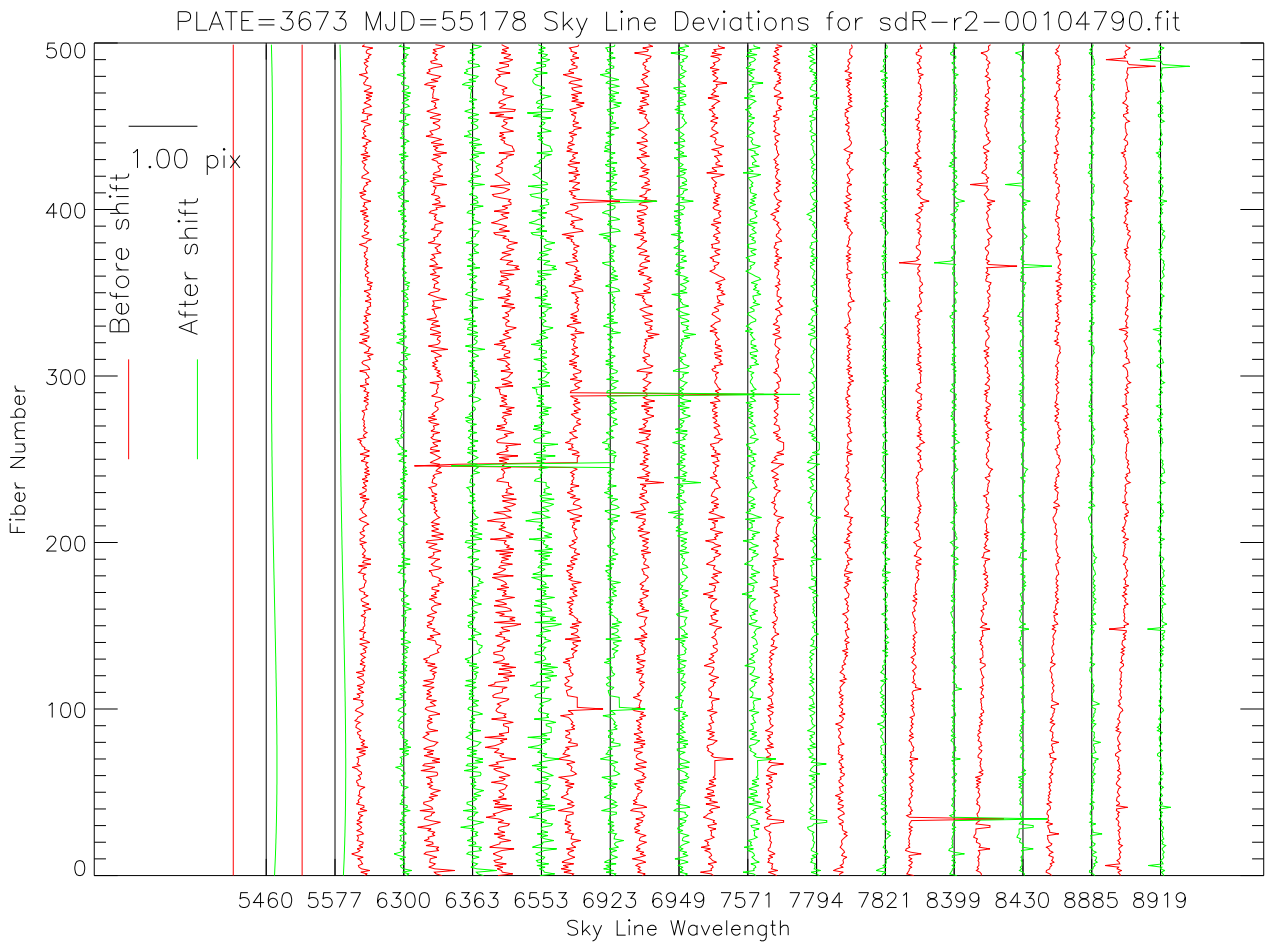

PLATE=3673 MJD=55178 flat extraction chi^2 for sdR−r2−00104799.fit
BLACK = Final chisq extraction
χ^2
0
10
20
30
40
0
1000
2000
3000
4000
Row number

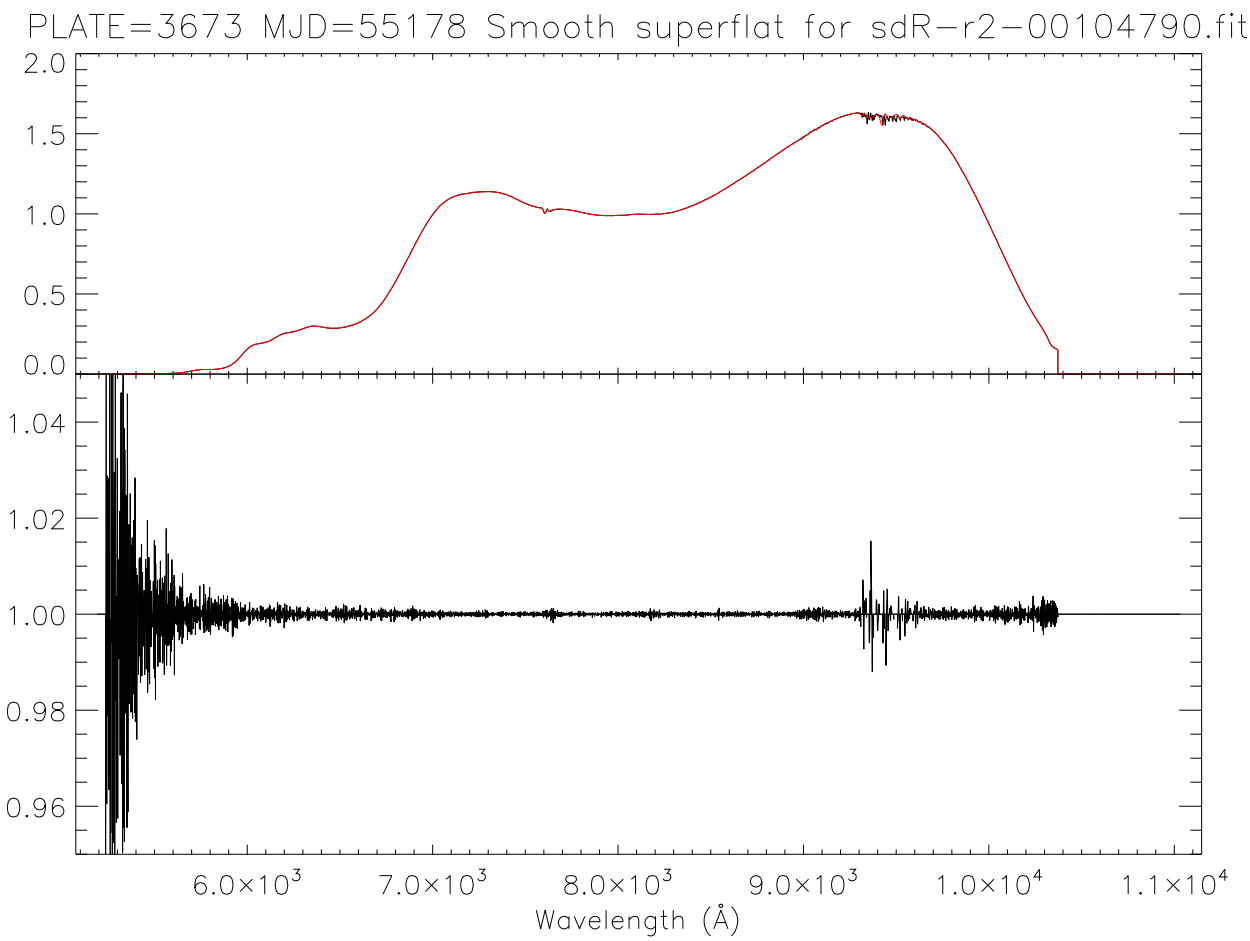

PLATE=3673 MJD=55178 Superflat sdR-r2-00104799.fit
RED = Superflat fit to central fiber
BLACK = 2.3 15.8 50.0 84.2 97.7 percentiles
Normalized flux
0.0
0.5
1.0
1.5
6000
7000
8000
9000
10000
λ [A]

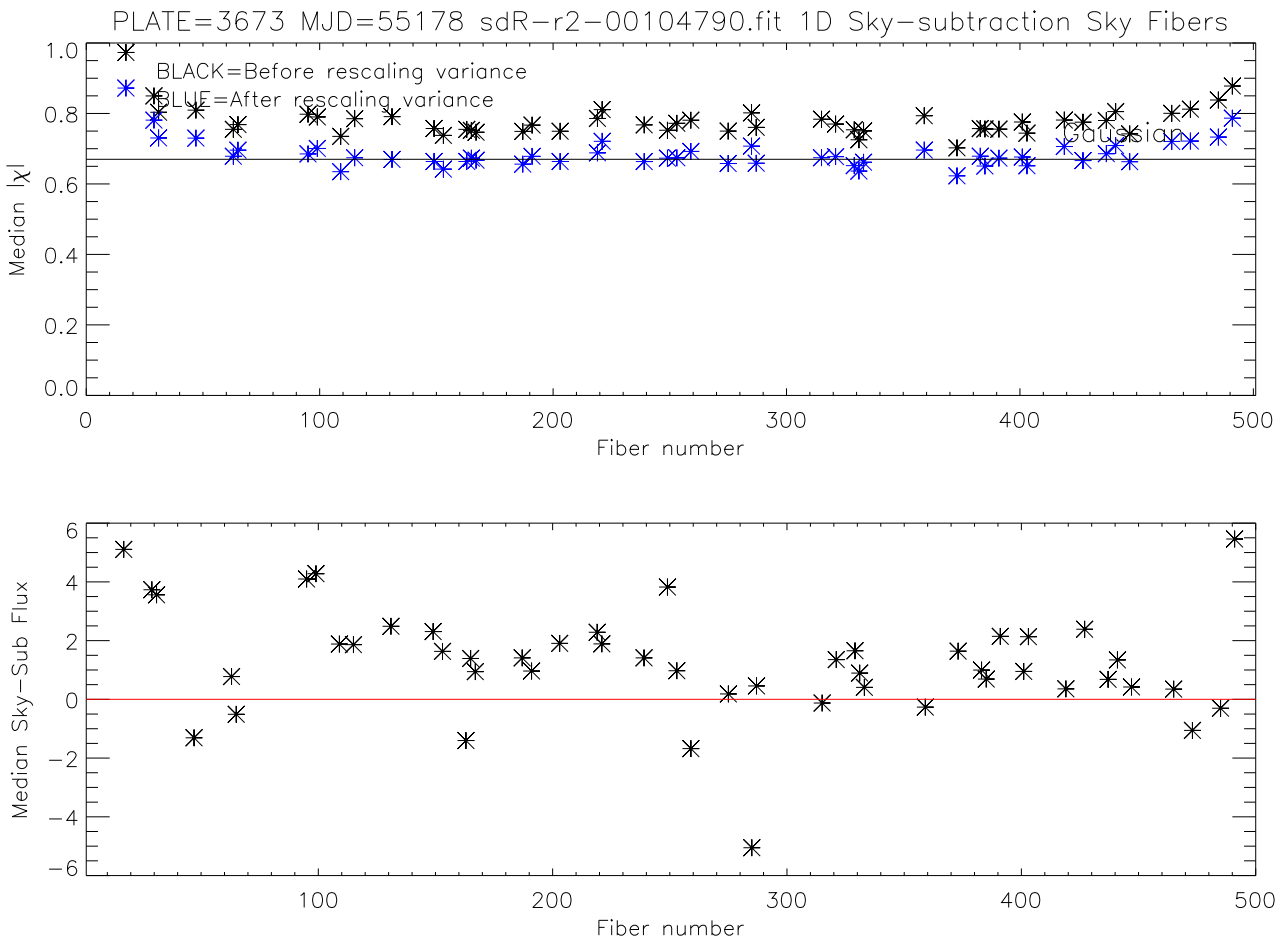

PLATE=3673 MJD=55178 Arcline Fit for sdR-r2-00104795.fit
Fiber Number
500
400
300
200
100
0
5.0×10^3
6.0×10^3
7.0×10^3
8.0×10^3
9.0×10^3
1.0×10^4
1.1×10^4
λ [A] + 300 * Deviation
Ncoeff = 6
Deviation [pix]
0.15
0.10
0.05
−0.00
−0.05
−0.10
−0.15
λ [A]
Sat Aug 27 20:57:33 2011

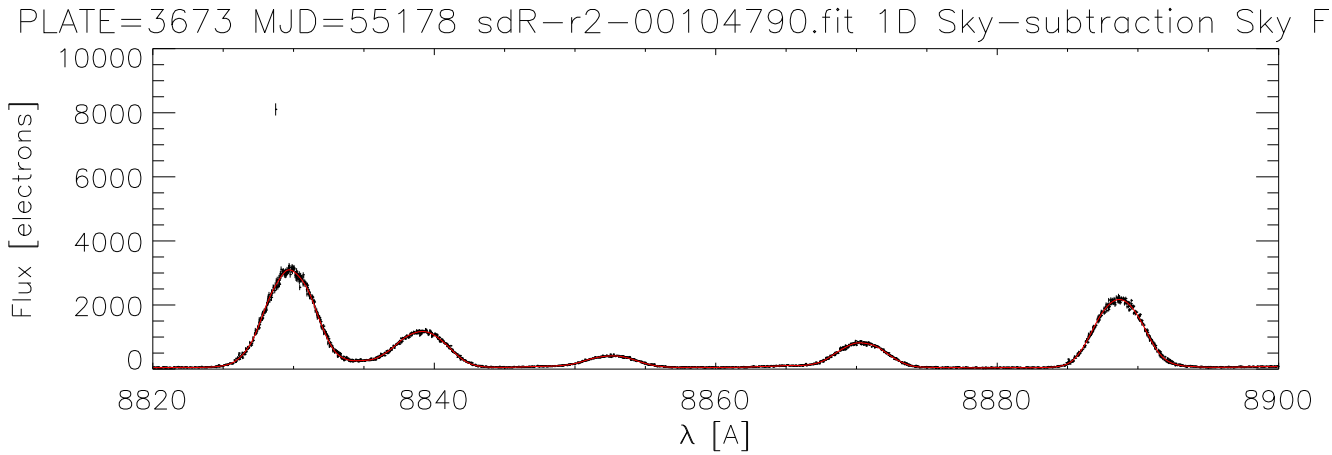

PLATE=3673 MJD=55178 Fiber−Flats for sdR−r2−00104794.fit
BLACK = Median value
ENVELOPE = 95% of points
GREEN = Outlier points
Min value = −4.266
Max value = 6.604
Fiber−Flat
1.5
1.0
0.5
0.0
6.0×10^3
7.0×10^3
8.0×10^3
9.0×10^3
1.0×10^4
1.1×10^4
λ [A]
Sat Aug 27 20:57:58 2011

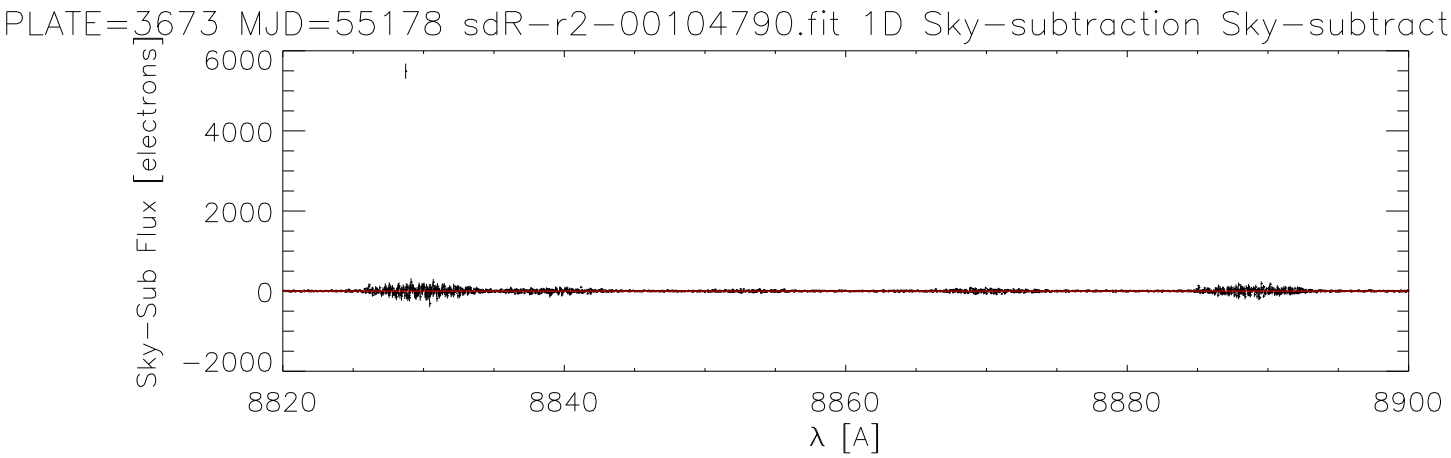

PLATE=3673 MJD=55178 Extraction chi^2 for sdR−r2−00104790.fit
BLACK = Final chisq extraction
χ^2
0.0
0.5
1.0
1.5
2.0
0
1000
2000
3000
4000
Row number


PLATE=3673 MJD=55178 Sky Line Deviations for sdR-r2-00104790.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

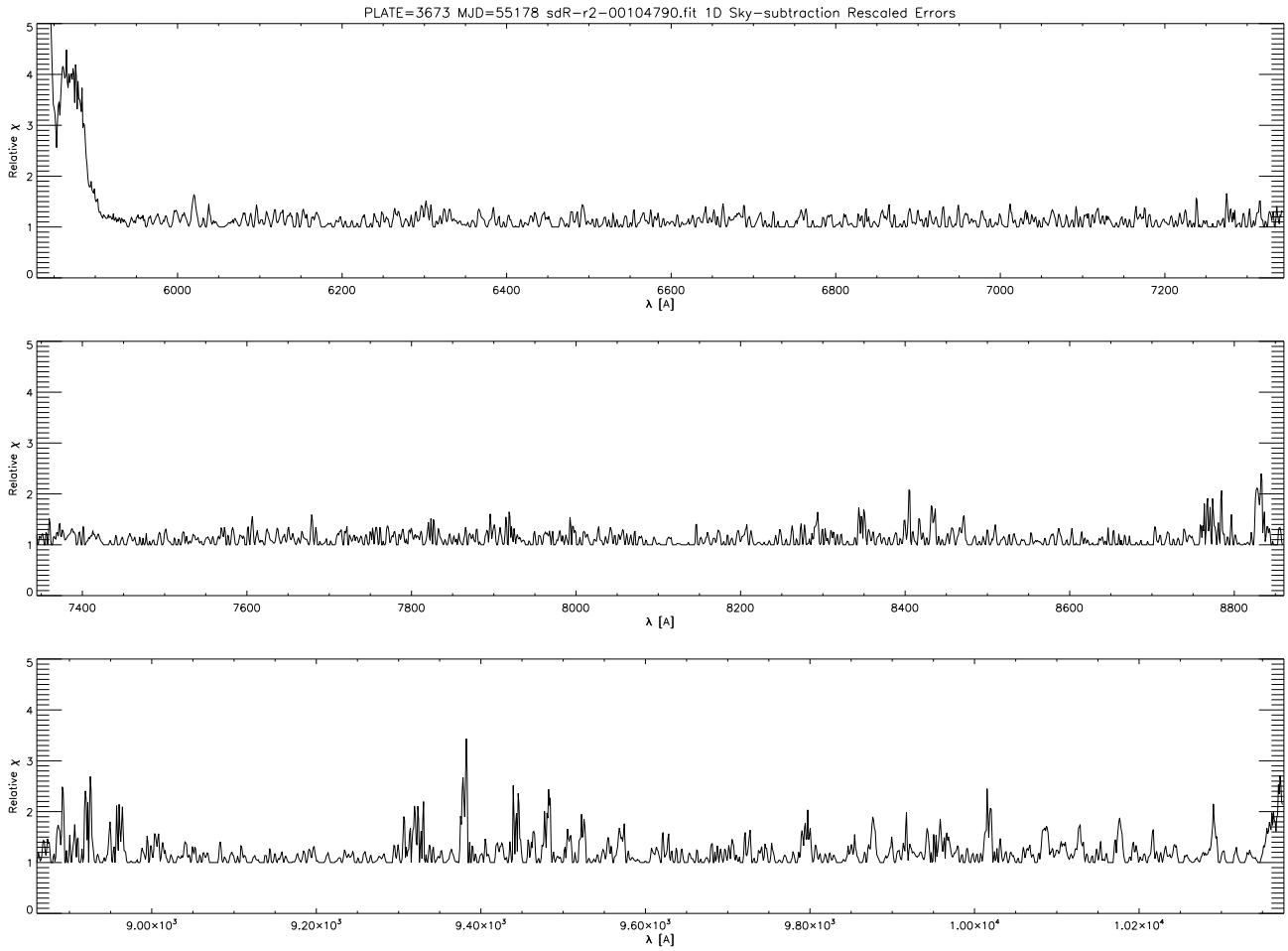

PLATE=3673 MJD=55178 Smooth superflat for sdR-r2-00104790.fit
2.0
1.5
1.0
0.5
0.0
1.04
1.02
1.00
0.98
0.96
6.0×10^3
7.0×10^3
8.0×10^3
9.0×10^3
1.0×10^4
1.1×10^4
Wavelength (Å)

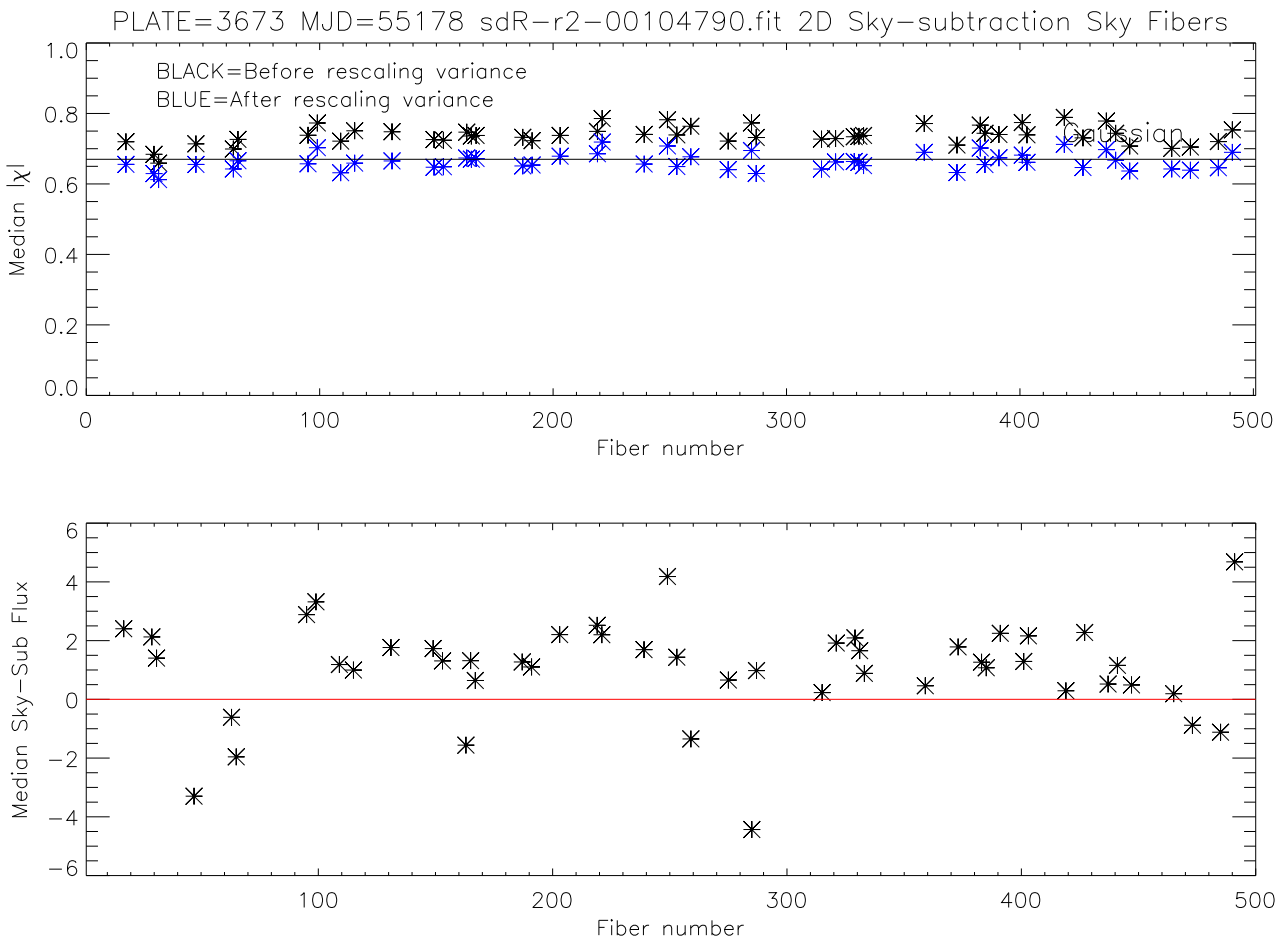

PLATE=3673 MJD=55178 sdR-r2-00104790.fit 1D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number


PLATE=3673 MJD=55178 sdR-r2-00104790.fit 1D Sky-subtraction Sky Fibers
Flux [electrons]
10000
8000
6000
4000
2000
0
8820
8840
8860
8880
8900
λ [A]

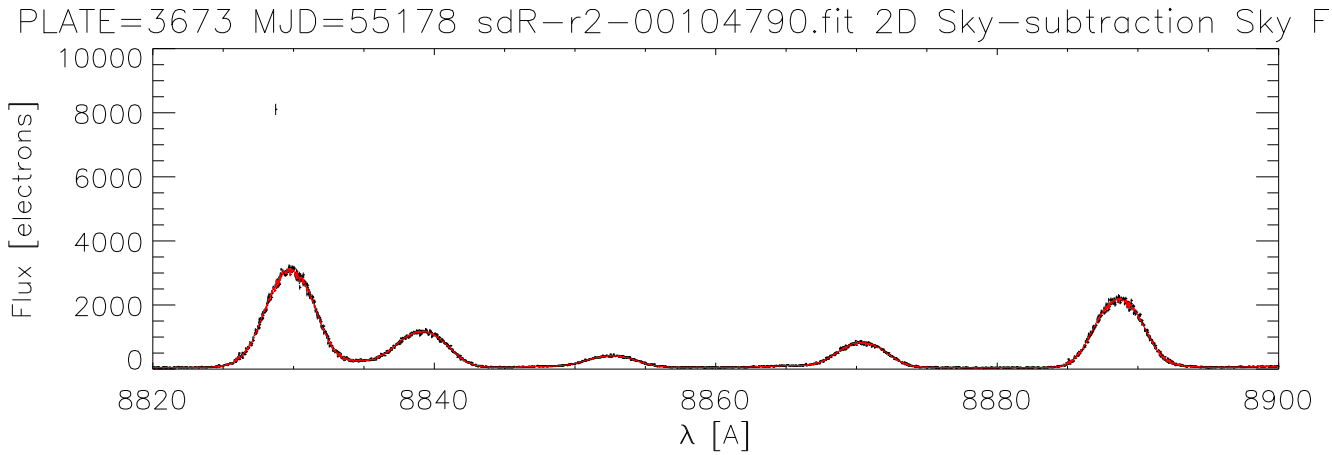

PLATE=3673 MJD=55178 sdR-r2-00104790.fit 1D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
6000
4000
2000
0
-2000
8820
8840
8860
8880
8900
λ [A]

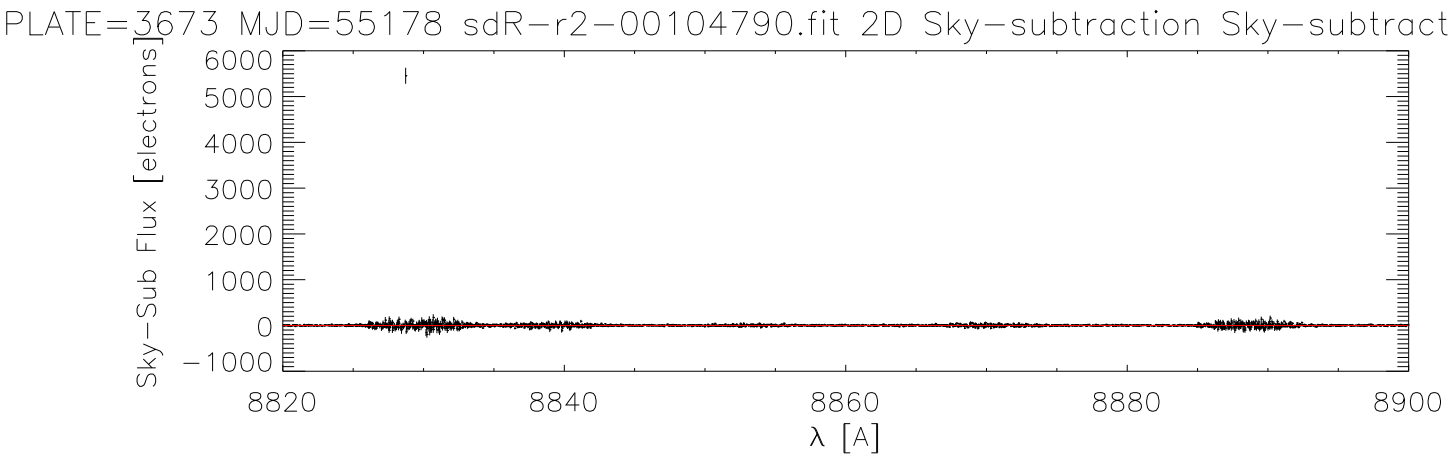
Number of sky fibers = 49



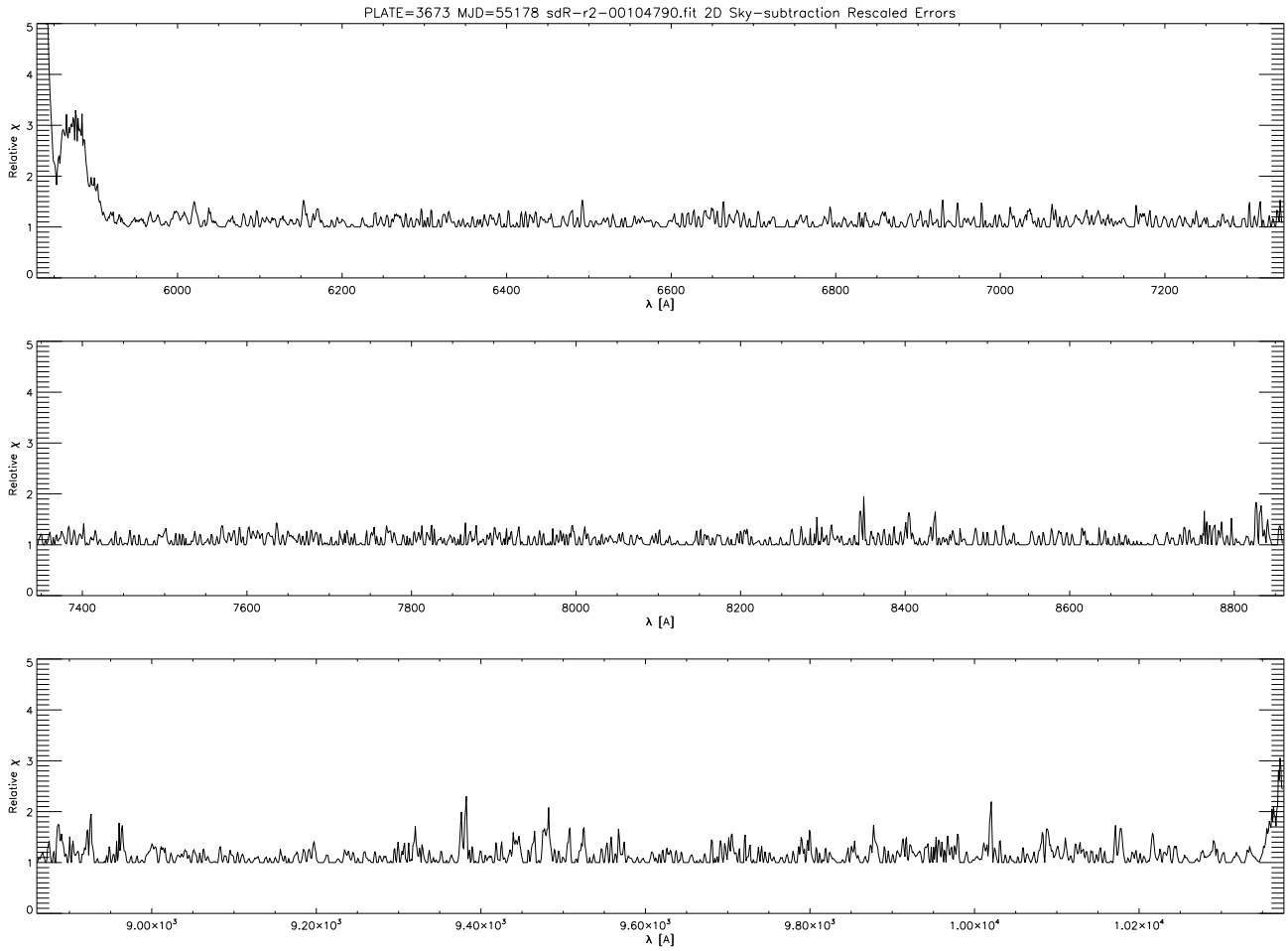

PLATE=3673 MJD=55178 sdR-r2-00104790.fit 2D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Median |χ|
Fiber number

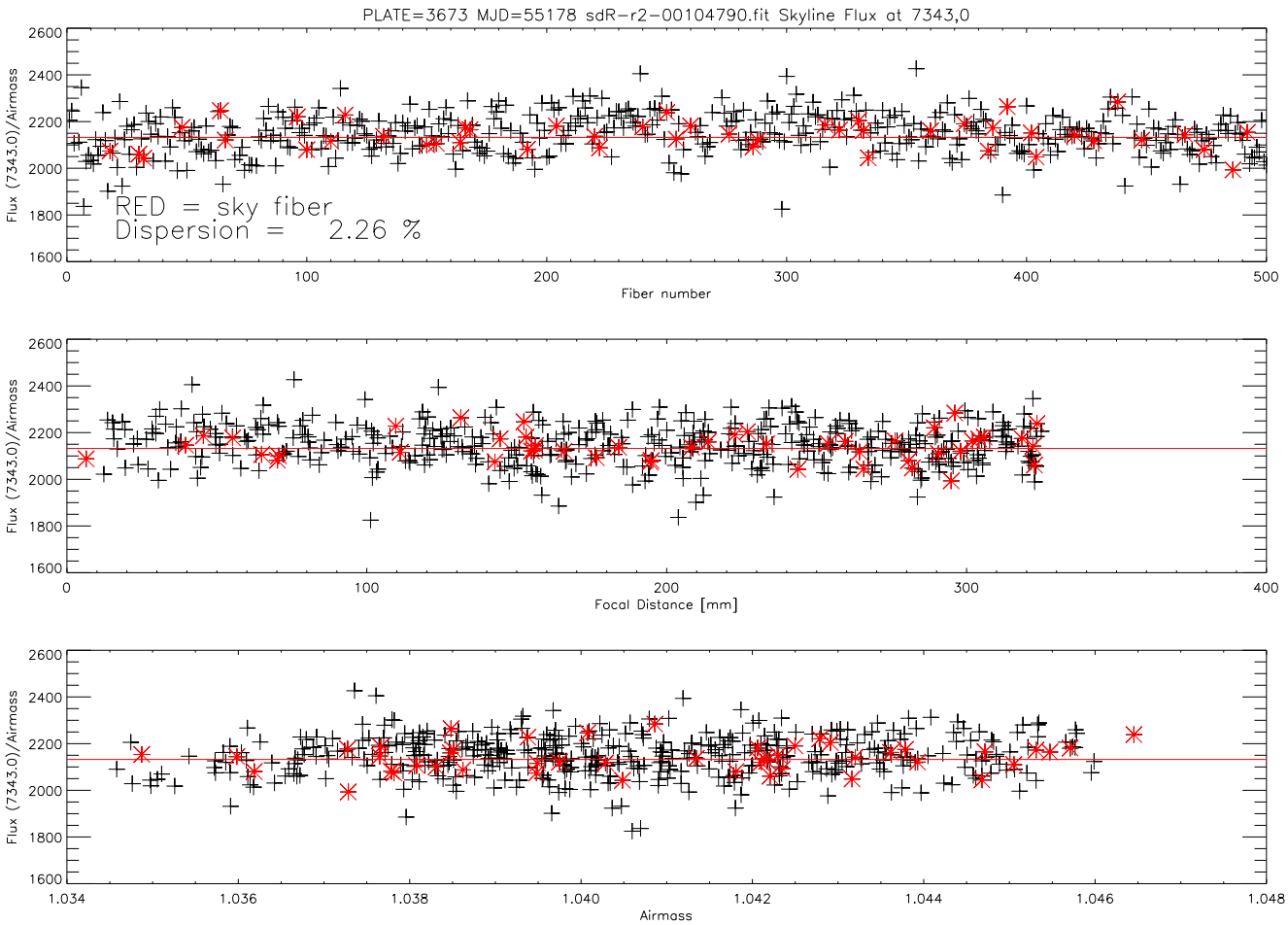
Median Sky-Sub Flux
Fiber number

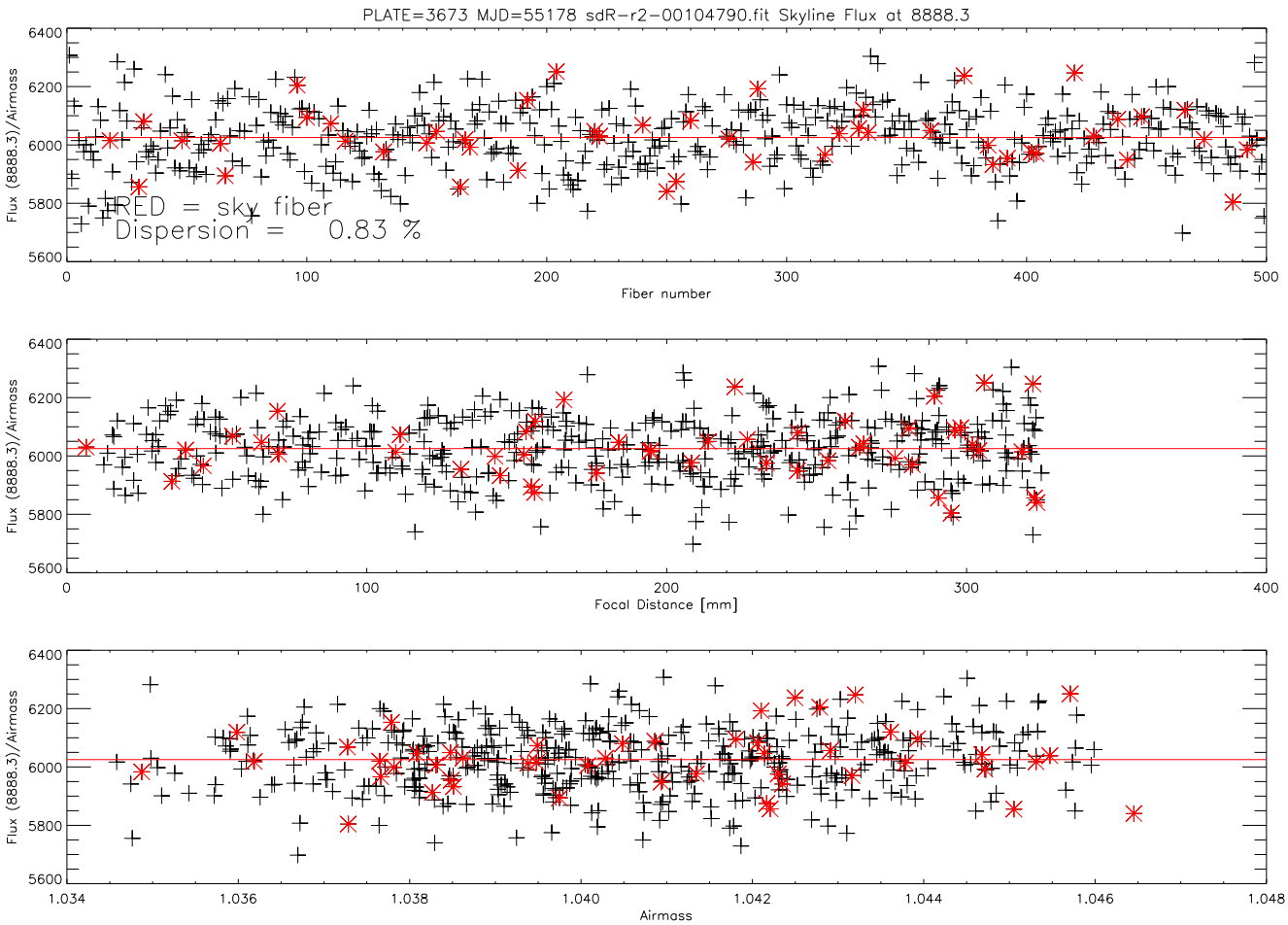

PLATE=3673 MJD=55178 sdR-r2-00104790.fit 2D Sky-subtraction Sky Fibers
Flux [electrons]
10000
8000
6000
4000
2000
0
8820
8840
8860
8880
8900
λ [A]

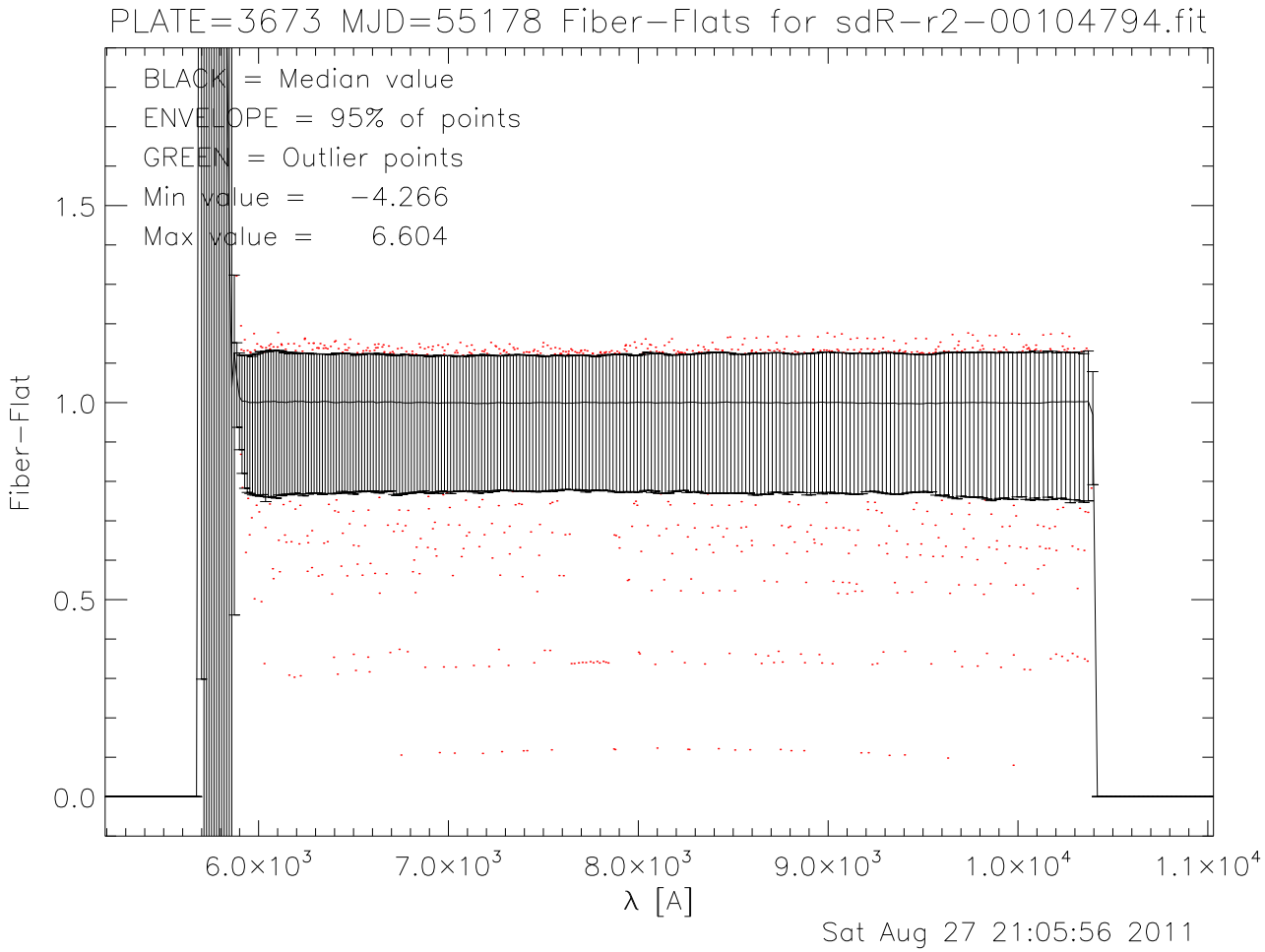

PLATE=3673 MJD=55178 sdR-r2-00104790.fit 2D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
6000
5000
4000
3000
2000
1000
0
-1000
8820
8840
8860
8880
8900
λ [A]

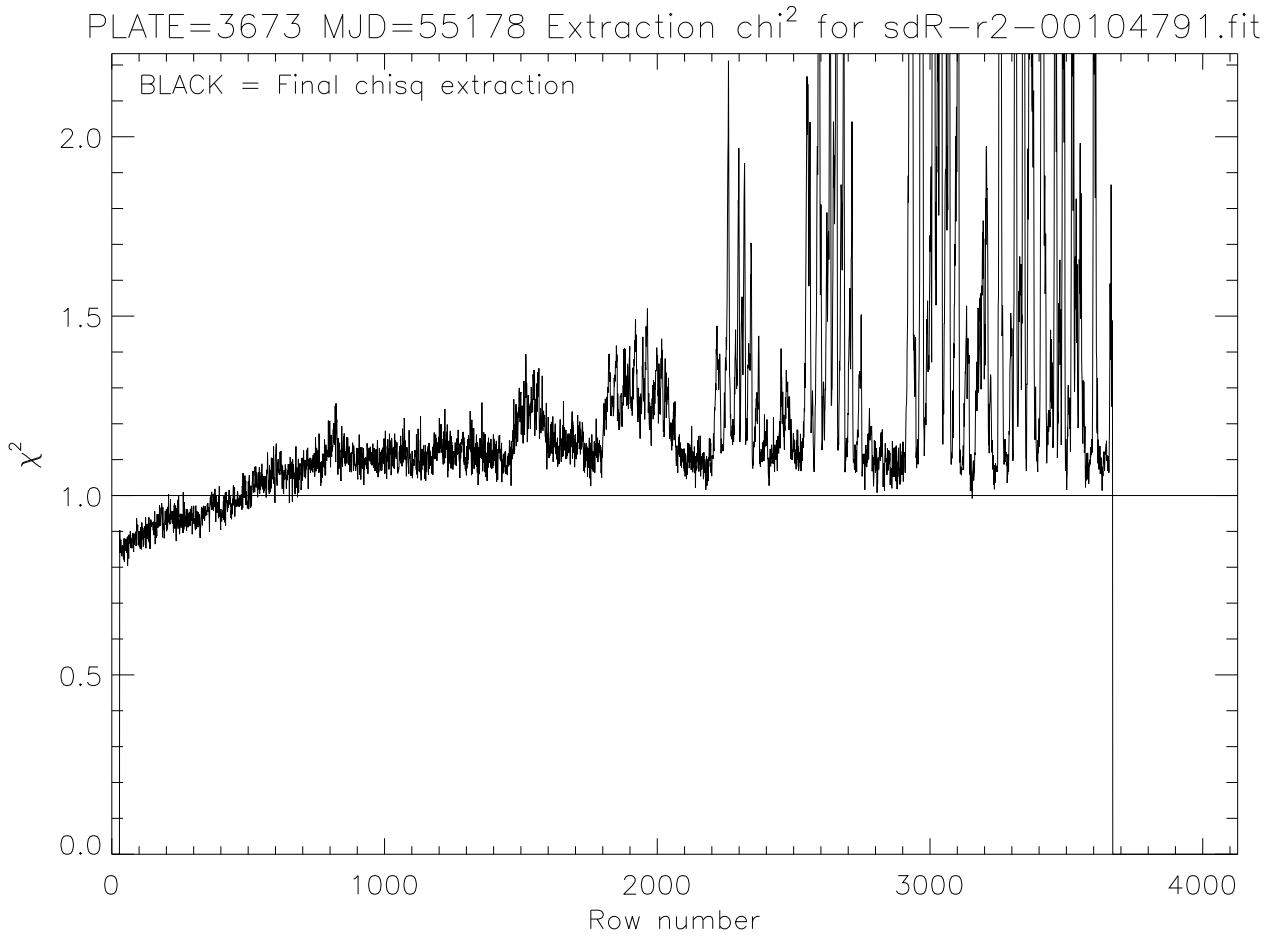
Number of sky fibers = 49

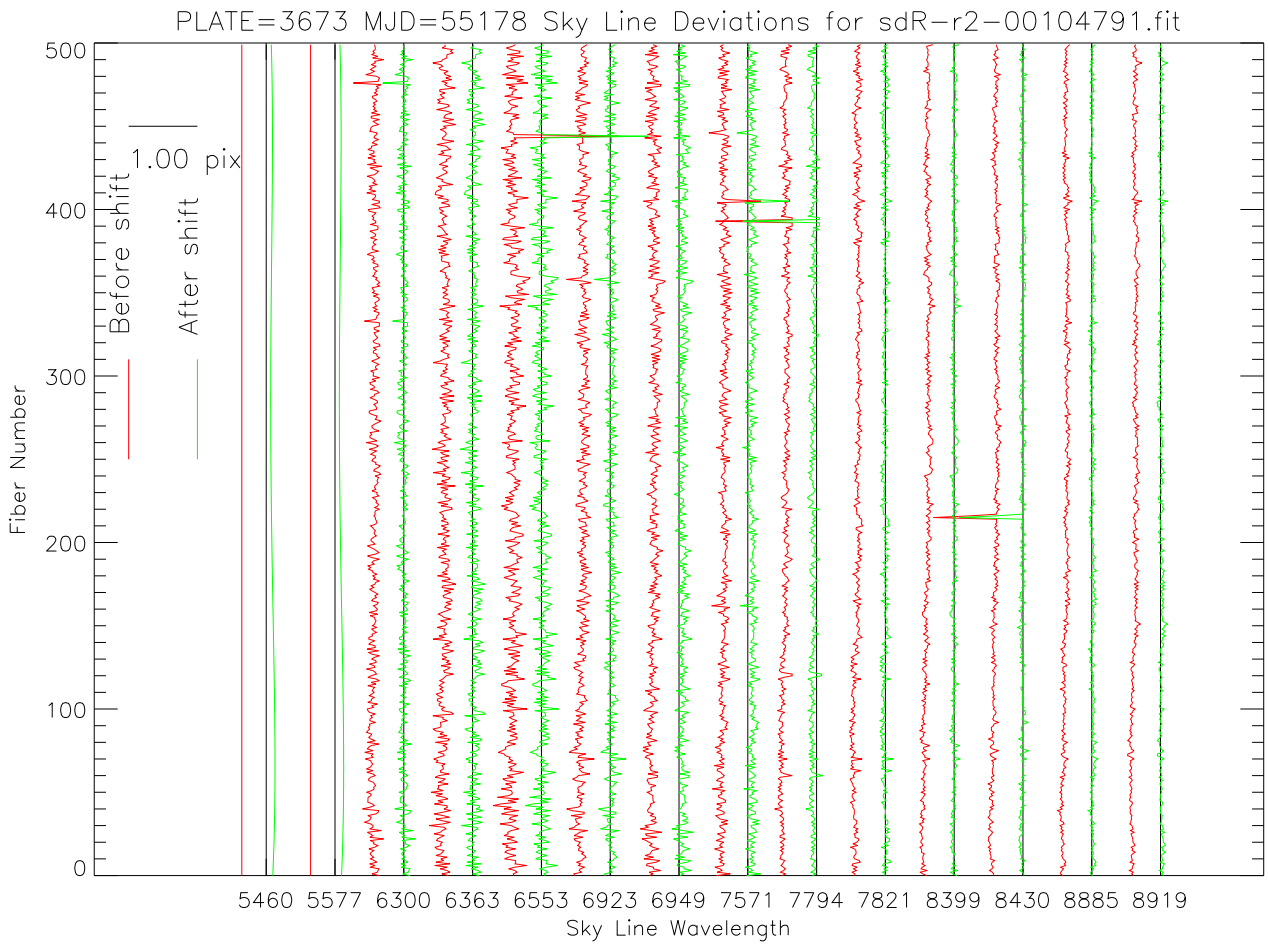


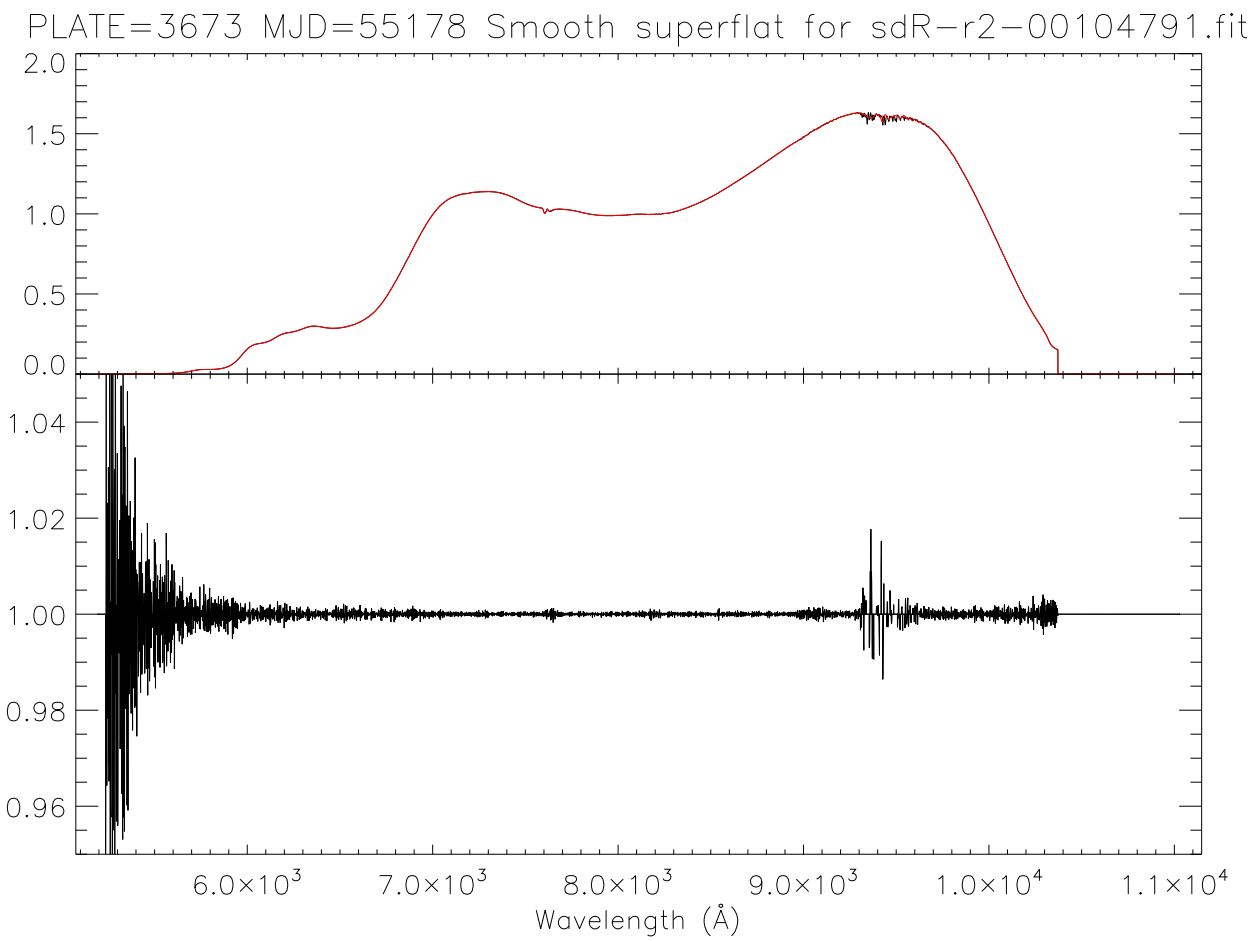

PLATE=3673 MJD=55178 sdR-r2-00104790.fit Skyline Flux at 7343,0
Flux (7343.0)/Airmass
RED = sky fiber
Dispersion = 2.26 %
Fiber number
Focal Distance [mm]
Airmass

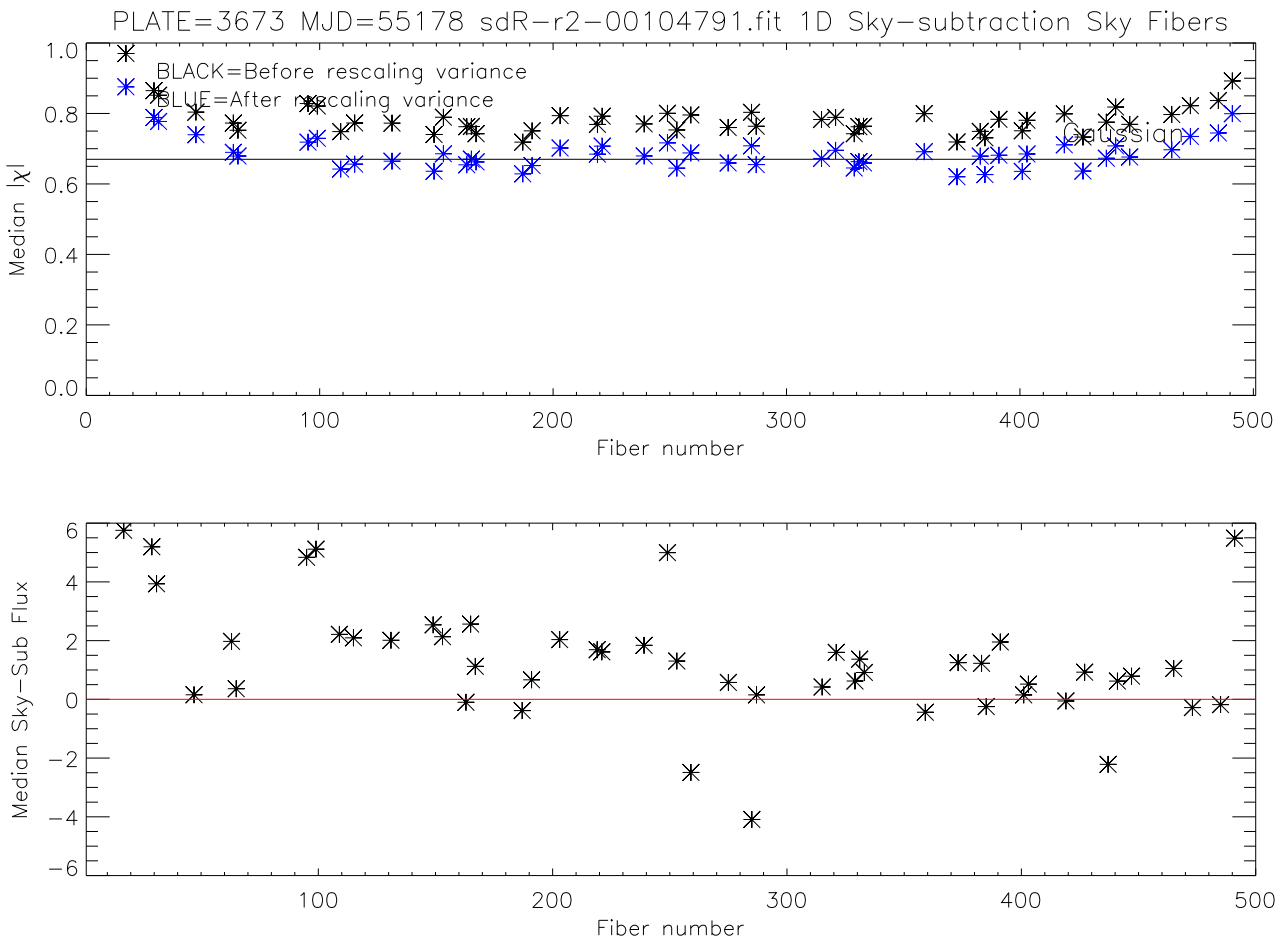

PLATE=3673 MJD=55178 sdR-r2-00104790.fit Skyline Flux at 8888.3
RED = sky fiber
Dispersion = 0.83 %
Flux (8888.3)/Airmass
Fiber number
Focal Distance [mm]
Airmass

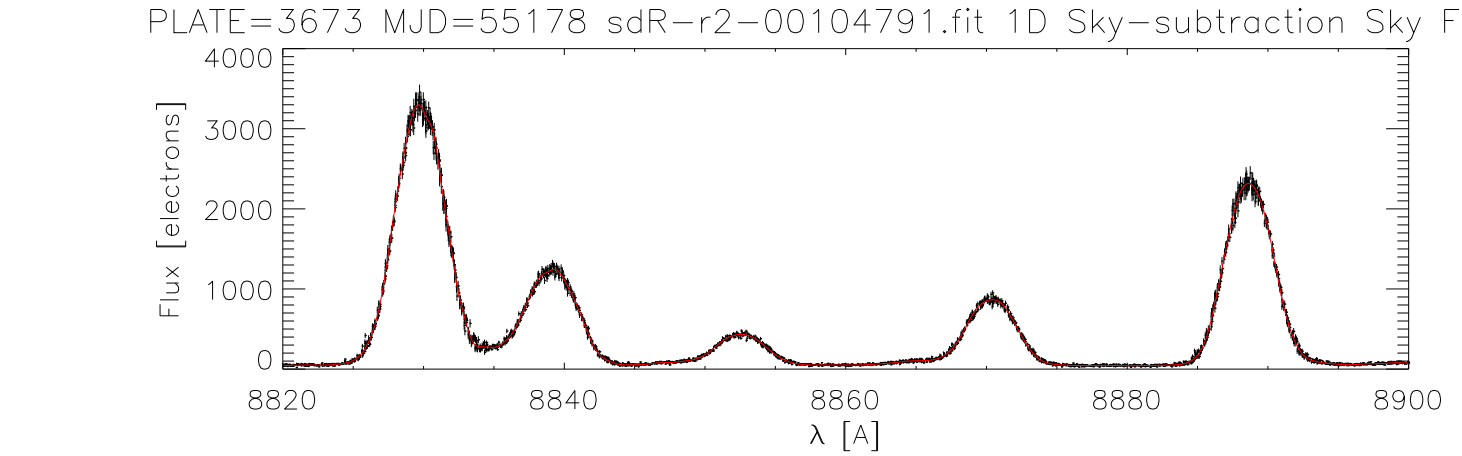

PLATE=3673 MJD=55178 Fiber−Flats for sdR−r2−00104794.fit
BLACK = Median value
ENVELOPE = 95% of points
GREEN = Outlier points
Min value = −4.266
Max value = 6.604
Fiber−Flat
1.5
1.0
0.5
0.0
6.0×10^3
7.0×10^3
8.0×10^3
9.0×10^3
1.0×10^4
1.1×10^4
λ [A]
Sat Aug 27 21:05:56 2011

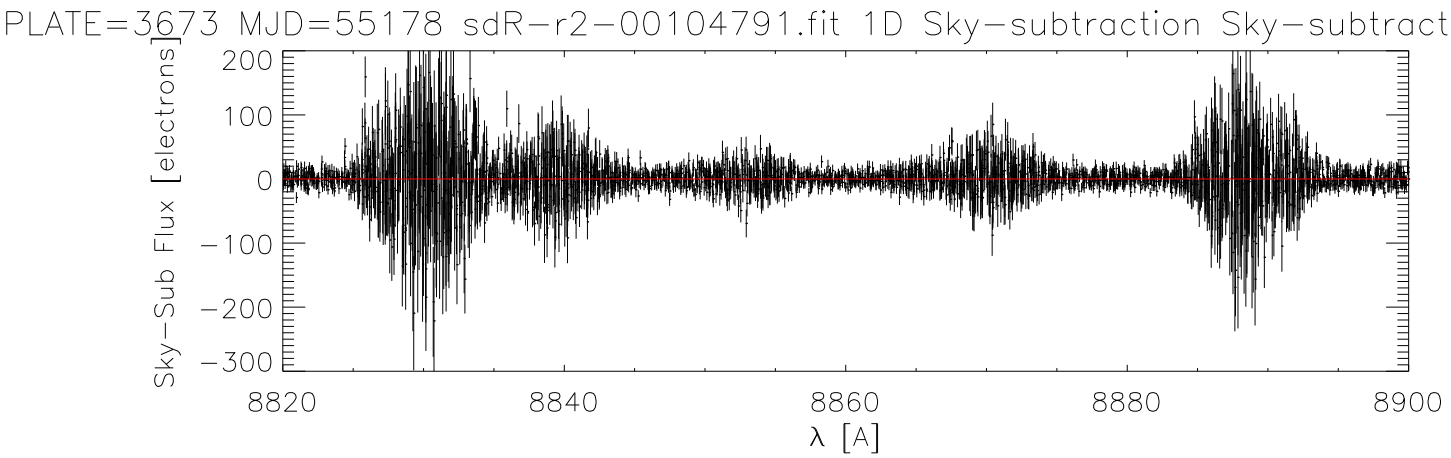

PLATE=3673 MJD=55178 Extraction chi^2 for sdR−r2−00104791.fit
BLACK = Final chisq extraction
χ^2
0.0
0.5
1.0
1.5
2.0
0
1000
2000
3000
4000
Row number


PLATE=3673 MJD=55178 Sky Line Deviations for sdR-r2-00104791.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

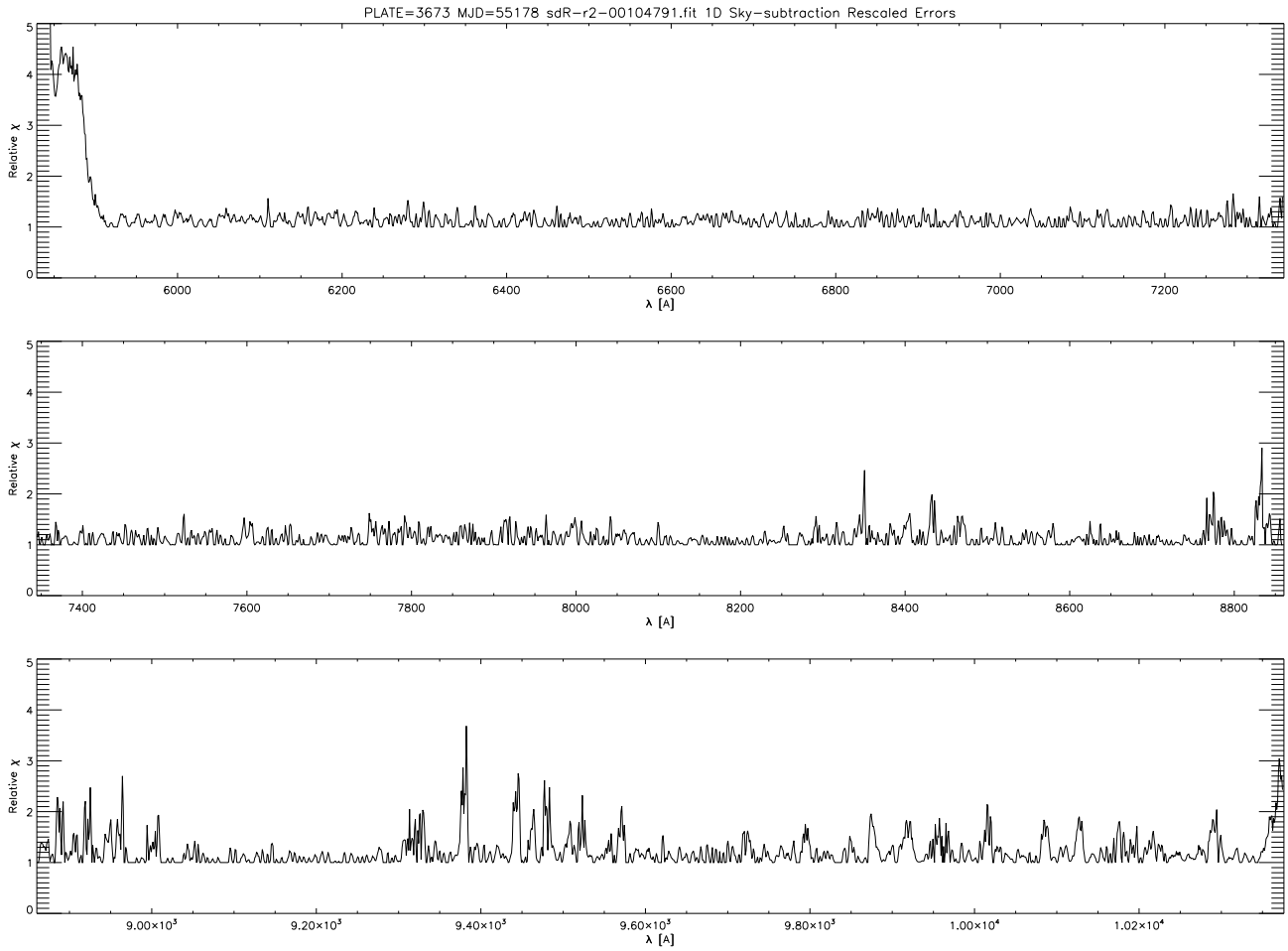

PLATE=3673 MJD=55178 Smooth superflat for sdR-r2-00104791.fit
2.0
1.5
1.0
0.5
0.0
1.04
1.02
1.00
0.98
0.96
6.0×10^3
7.0×10^3
8.0×10^3
9.0×10^3
1.0×10^4
1.1×10^4
Wavelength (Å)

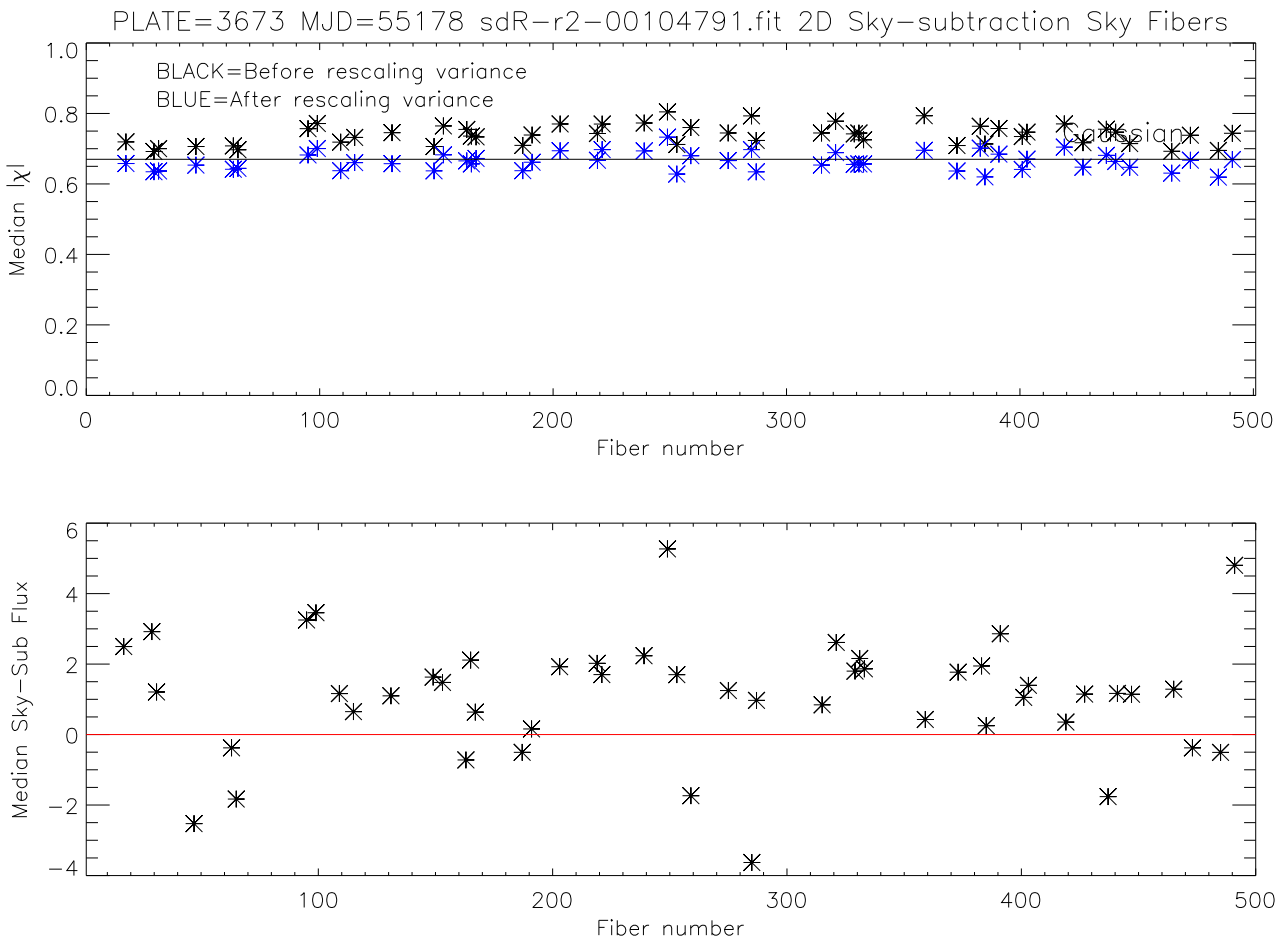

PLATE=3673 MJD=55178 sdR-r2-00104791.fit 1D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

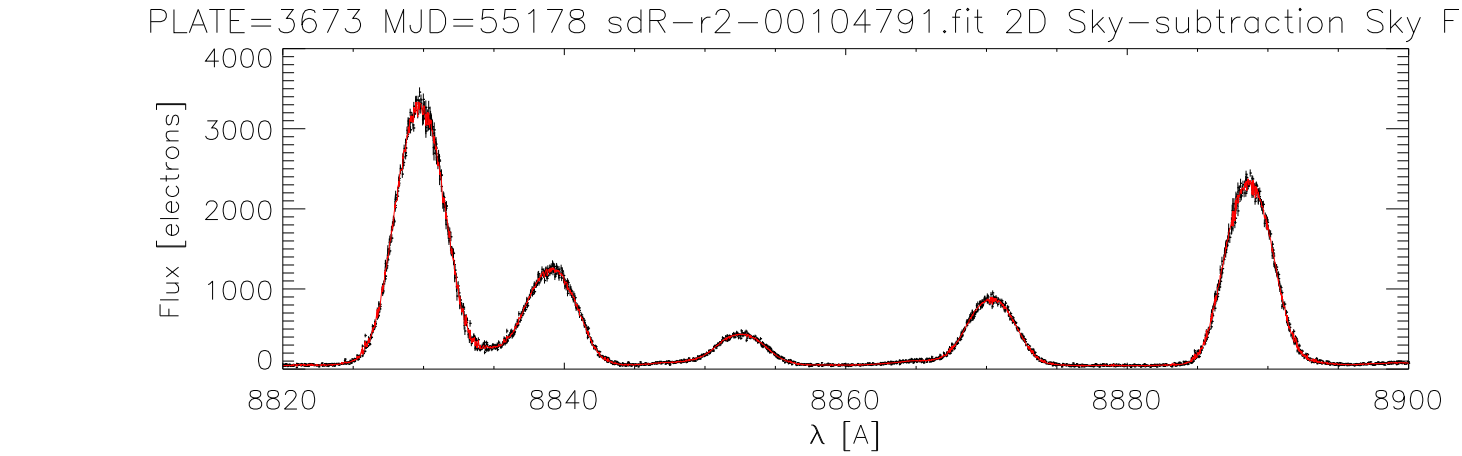

PLATE=3673 MJD=55178 sdR-r2-00104791.fit 1D Sky-subtraction Sky Fibers
Flux [electrons]
4000
3000
2000
1000
0
8820
8840
8860
8880
8900
λ [A]

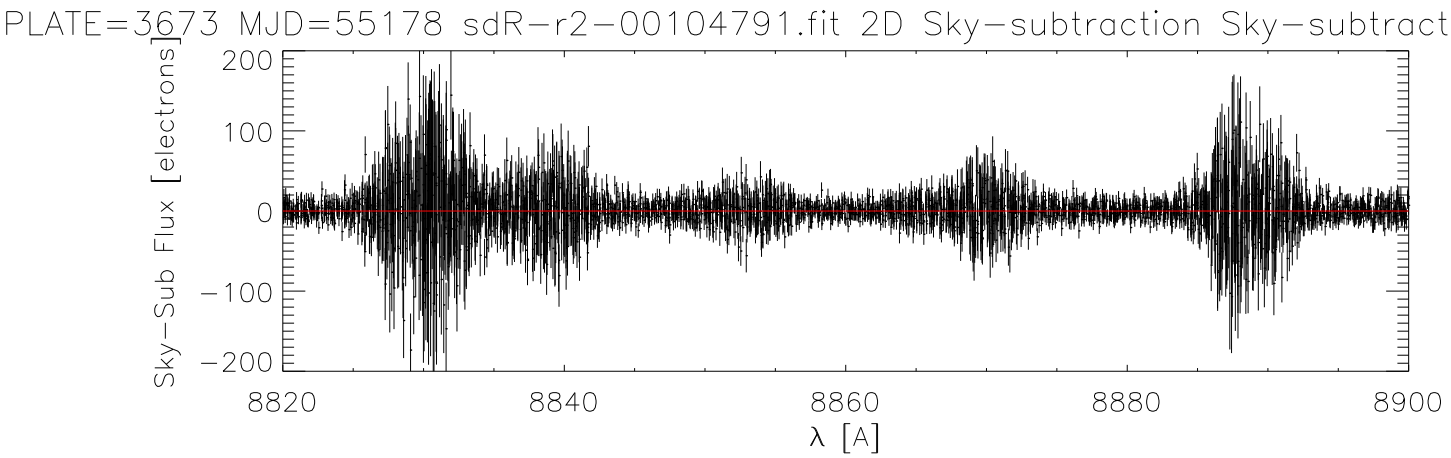

PLATE=3673 MJD=55178 sdR-r2-00104791.fit 1D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
200
100
0
-100
-200
-300
8820
8840
8860
8880
8900
λ [A]

Number of sky fibers = 49

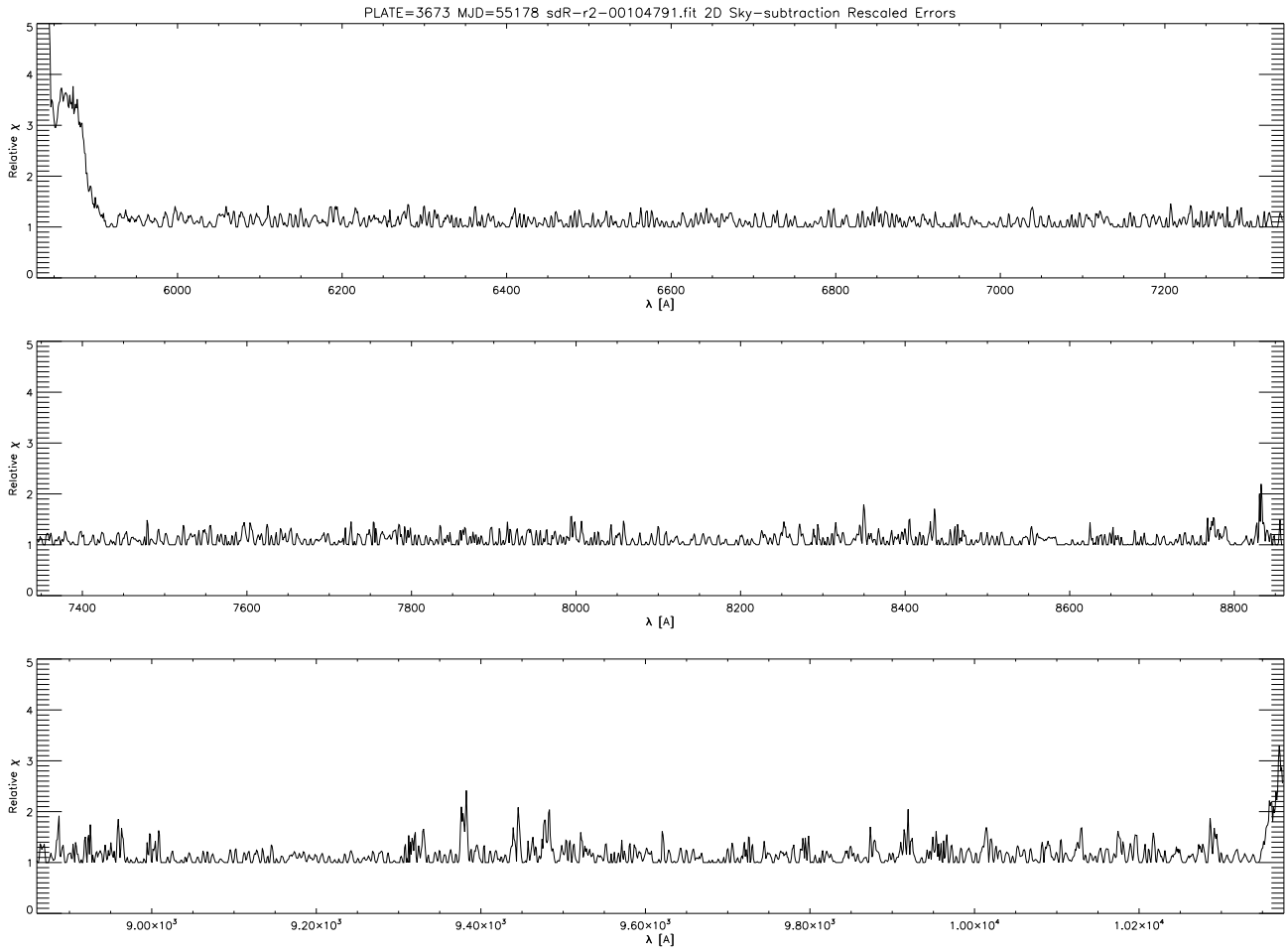


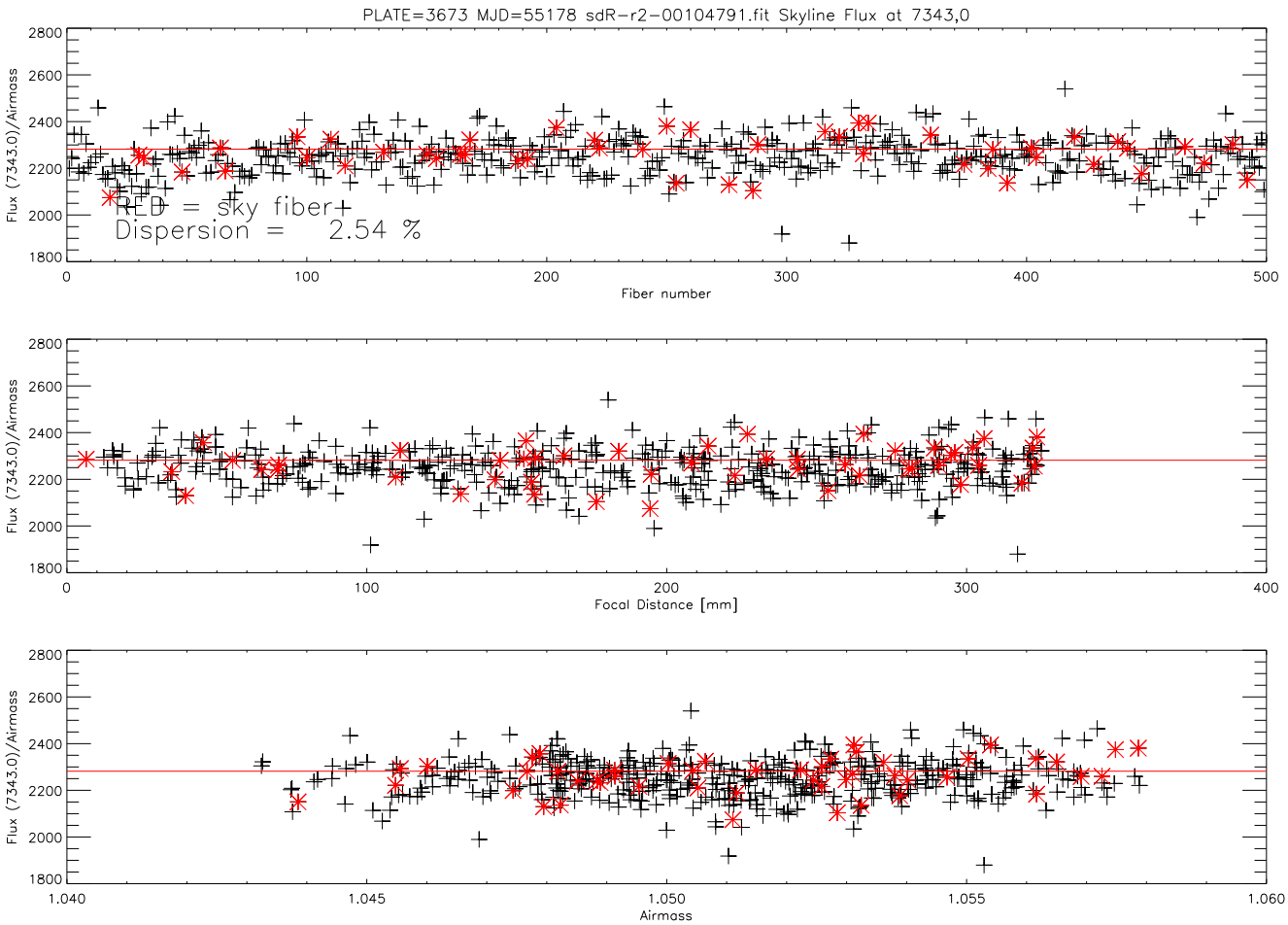

PLATE=3673 MJD=55178 sdR-r2-00104791.fit 2D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

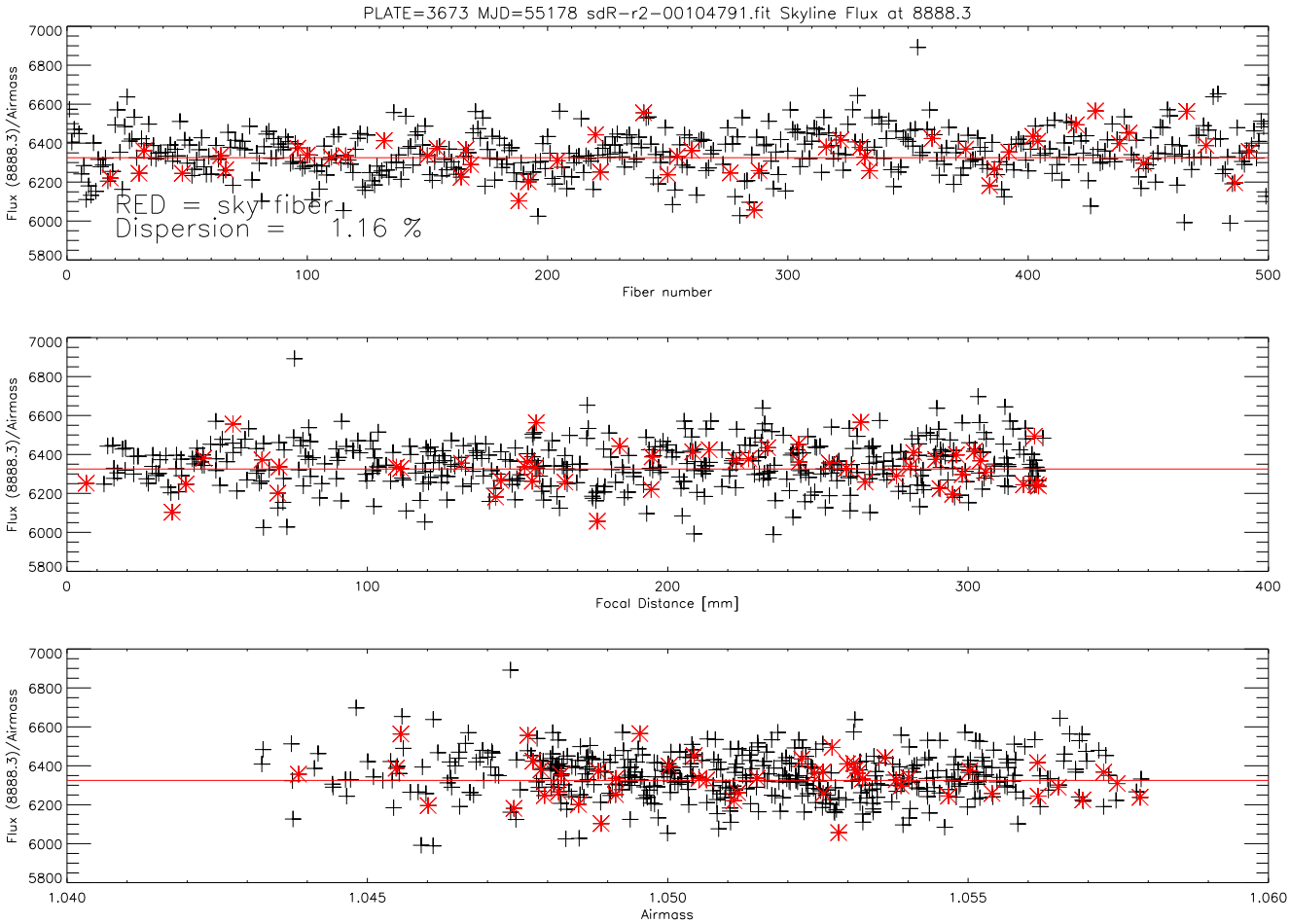

PLATE=3673 MJD=55178 sdR-r2-00104791.fit 2D Sky-subtraction Sky Fibers
Flux [electrons]
4000
3000
2000
1000
0
8820
8840
8860
8880
8900
λ [A]

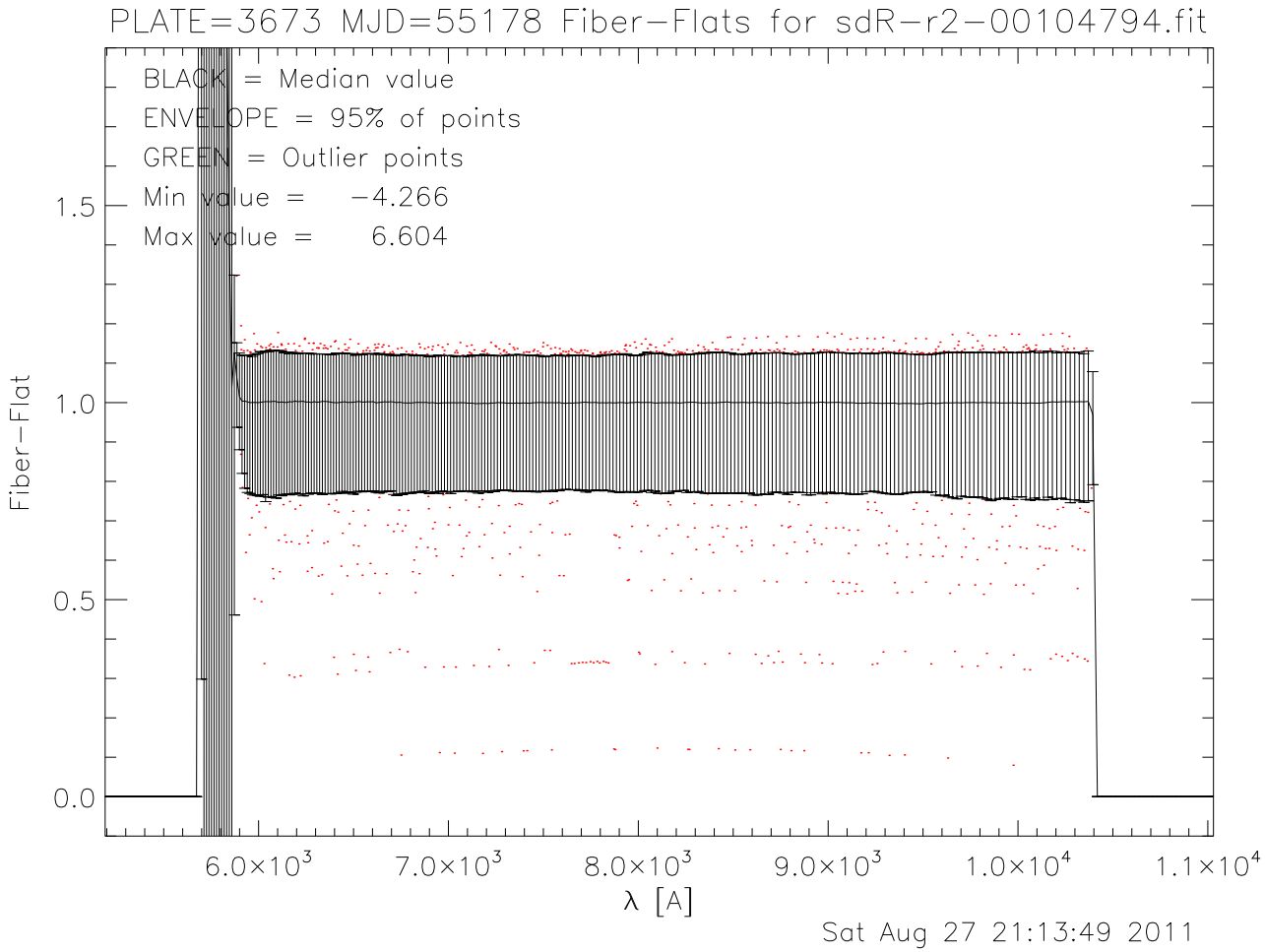

PLATE=3673 MJD=55178 sdR-r2-00104791.fit 2D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
200
100
0
-100
-200
8820
8840
8860
8880
8900
λ [A]

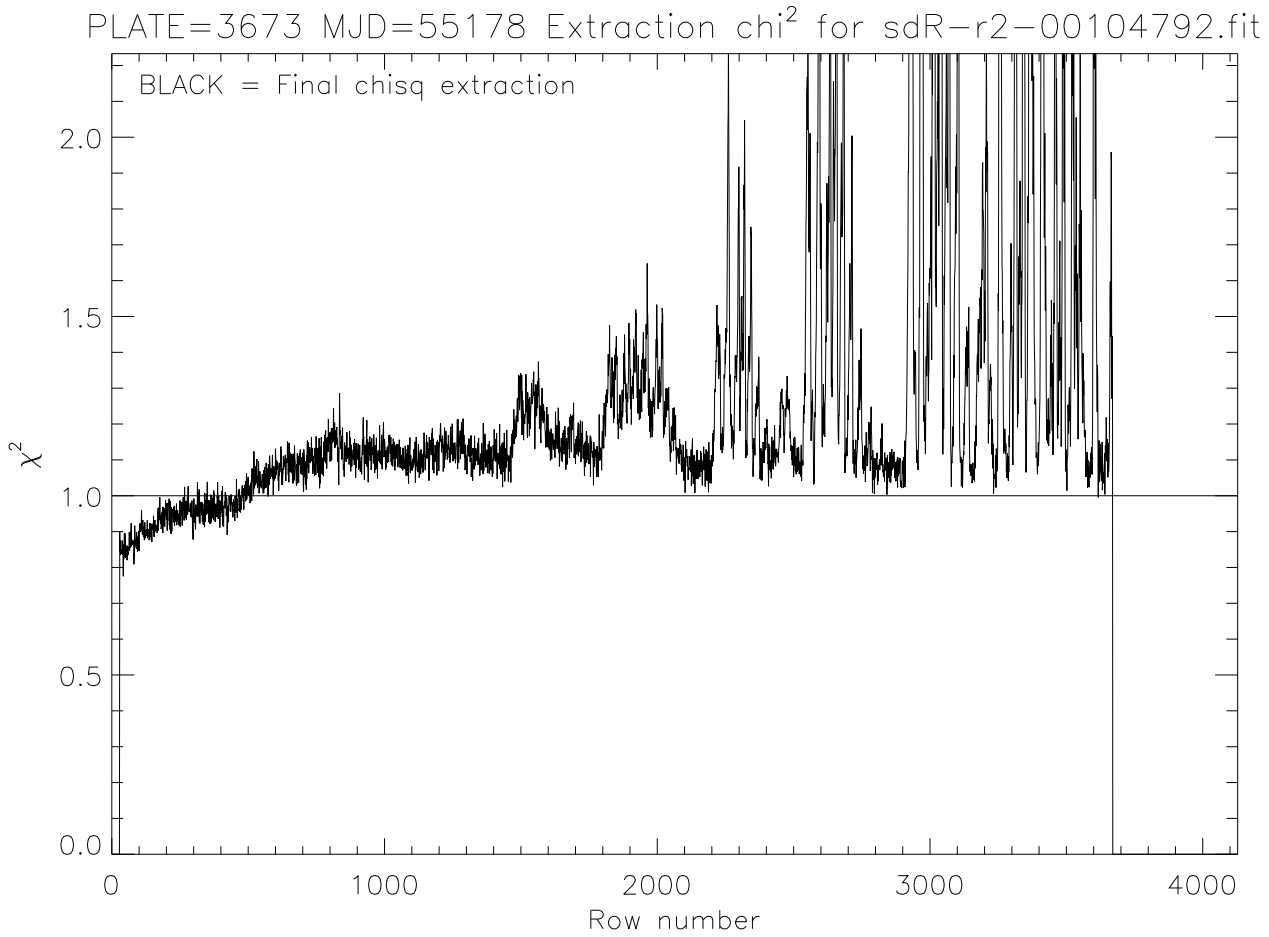
Number of sky fibers = 49

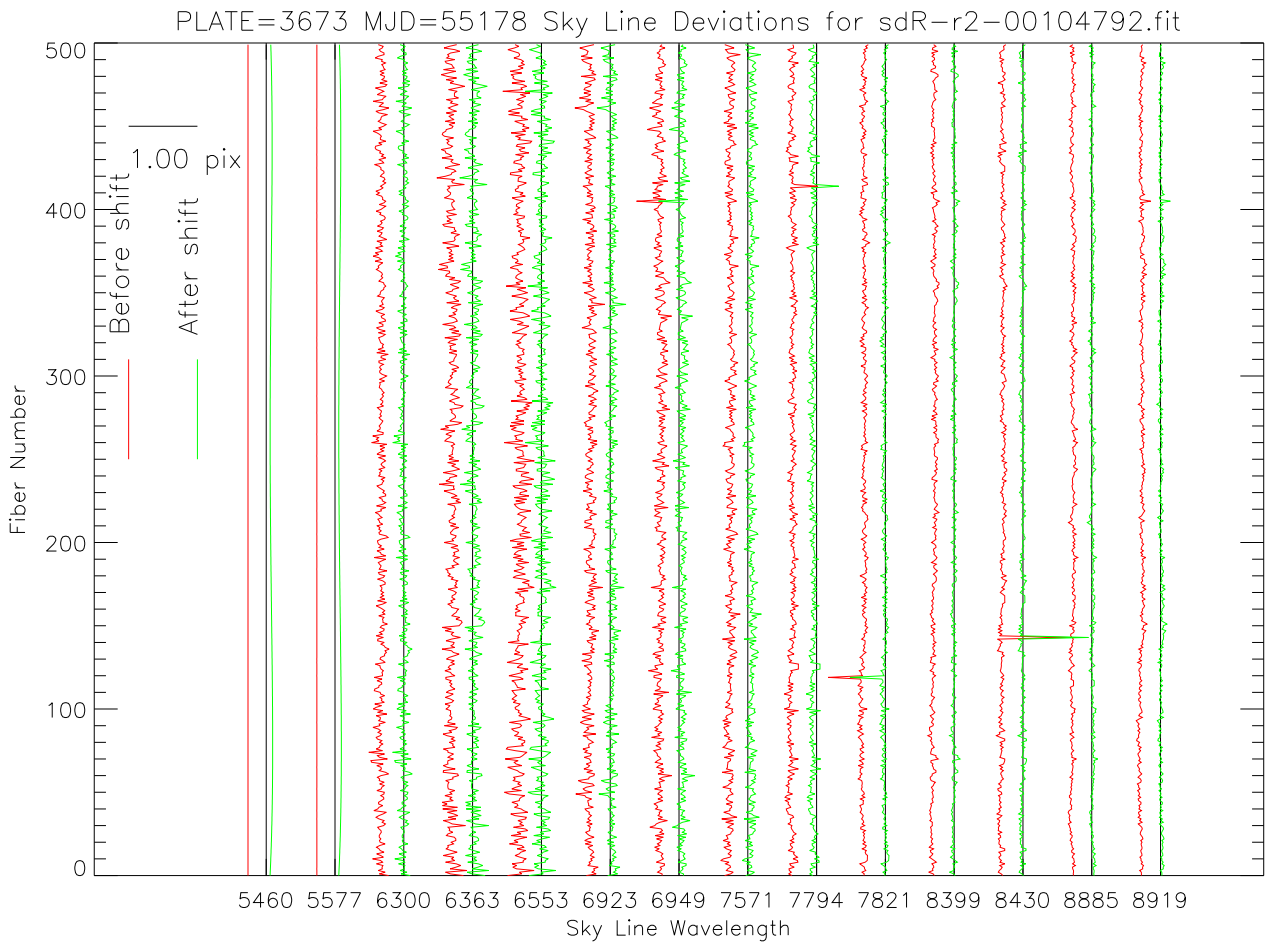


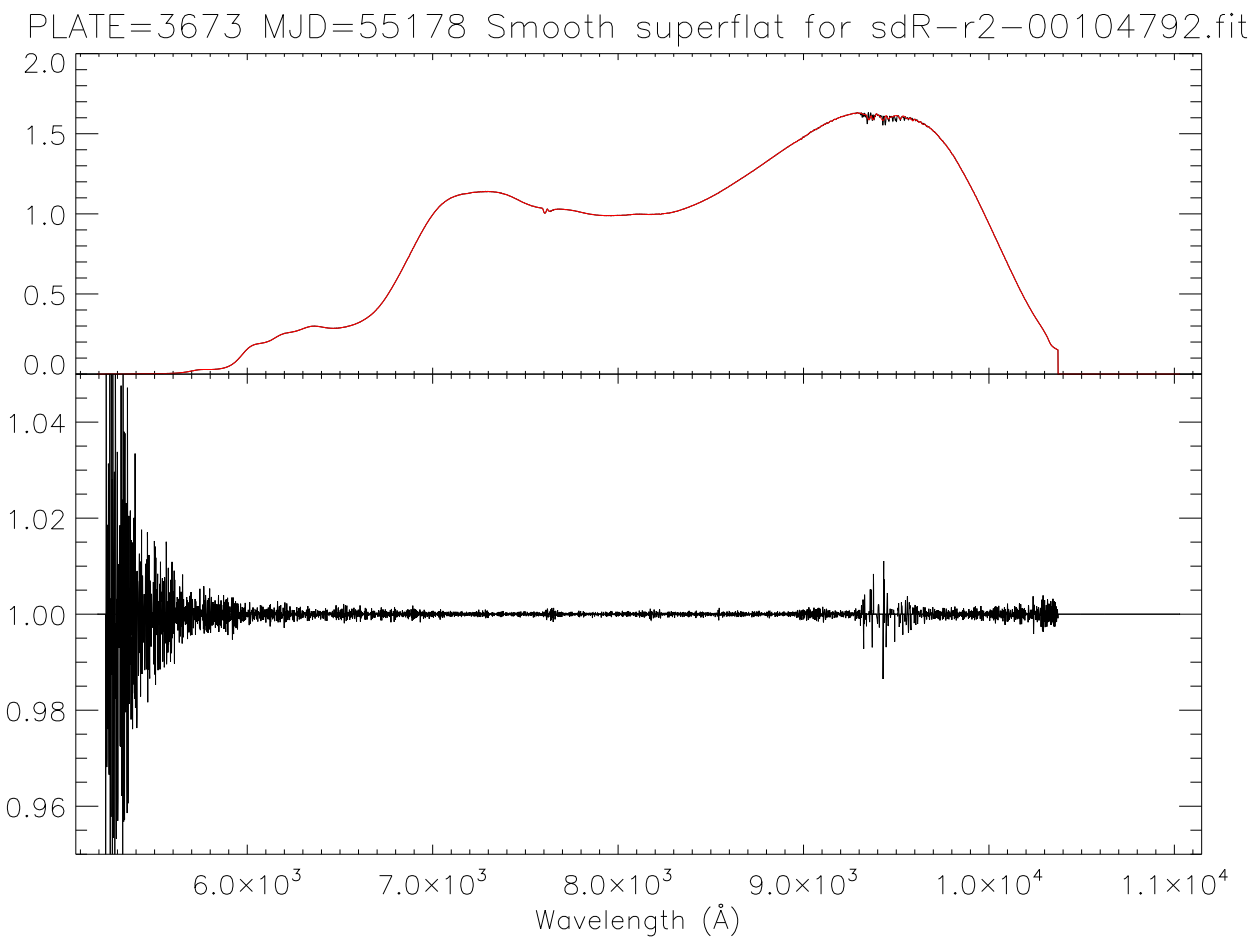

PLATE=3673 MJD=55178 sdR-r2-00104791.fit Skyline Flux at 7343.0
RED = sky fiber
Dispersion = 2.54 %
Flux (7343.0)/Airmass
Fiber number
Focal Distance [mm]
Airmass

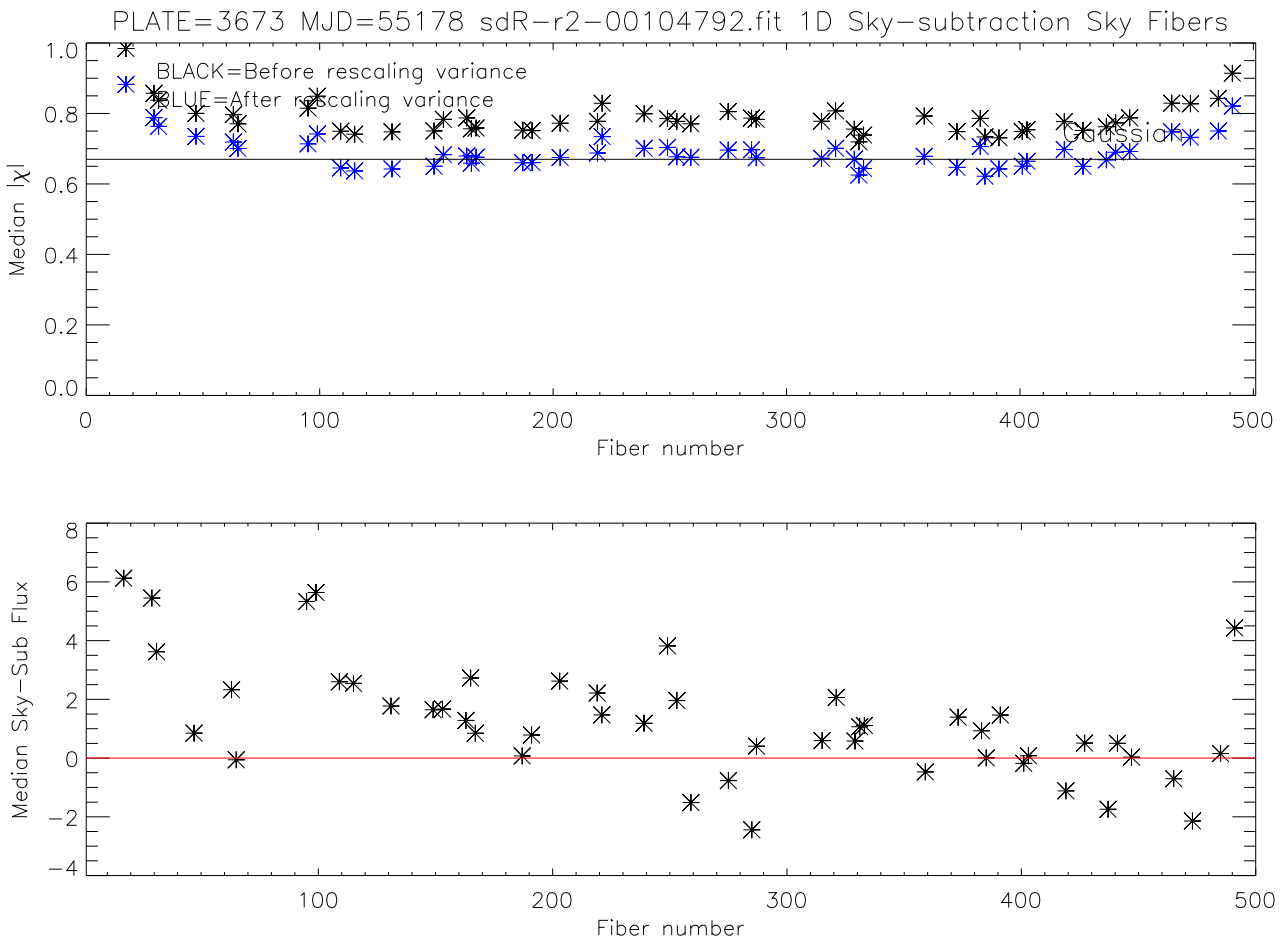

PLATE=3673 MJD=55178 sdR-r2-00104791.fit Skyline Flux at 8888.3
Flux (8888.3)/Airmass
RED = sky fiber
Dispersion = 1.16 %
Fiber number
Focal Distance [mm]
Airmass

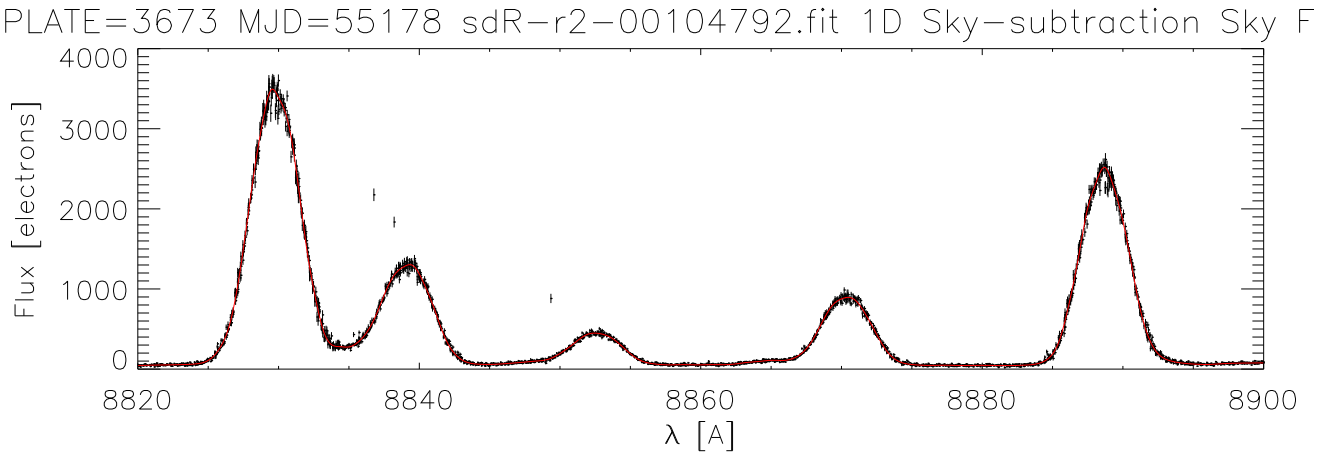

PLATE=3673 MJD=55178 Fiber−Flats for sdR−r2−00104794.fit
BLACK = Median value
ENVELOPE = 95% of points
GREEN = Outlier points
Min value = −4.266
Max value = 6.604
Fiber−Flat
1.5
1.0
0.5
0.0
6.0×10^3
7.0×10^3
8.0×10^3
9.0×10^3
1.0×10^4
1.1×10^4
λ [A]
Sat Aug 27 21:13:49 2011

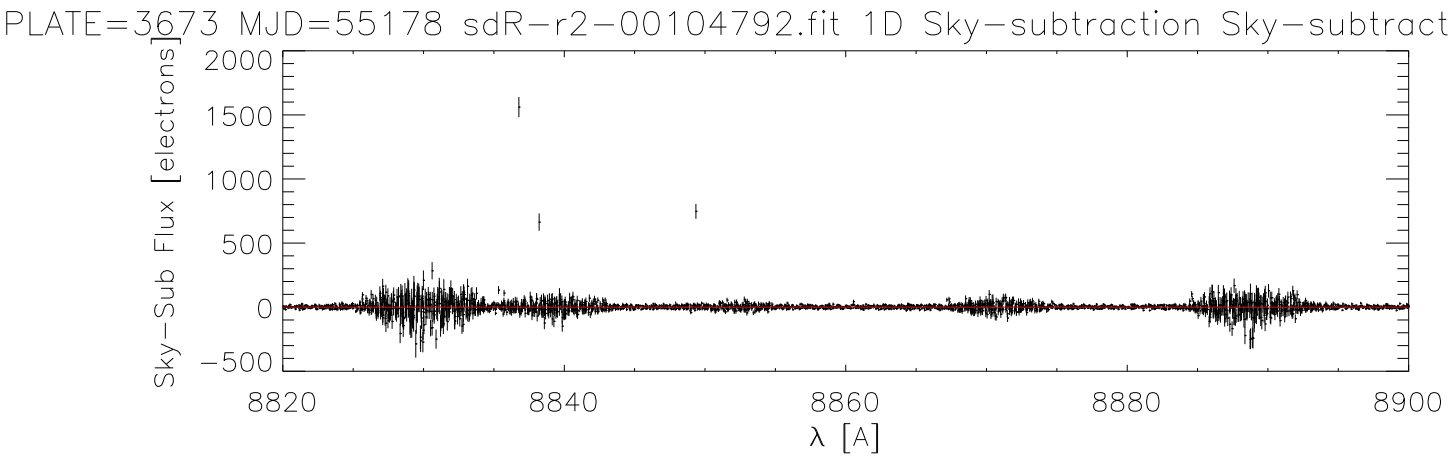

PLATE=3673 MJD=55178 Extraction chi^2 for sdR−r2−00104792.fit
BLACK = Final chisq extraction
χ^2
2.0
1.5
1.0
0.5
0.0
0
1000
2000
3000
4000
Row number


PLATE=3673 MJD=55178 Sky Line Deviations for sdR-r2-00104792.fit
1.00 pix
Before shift
After shift
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

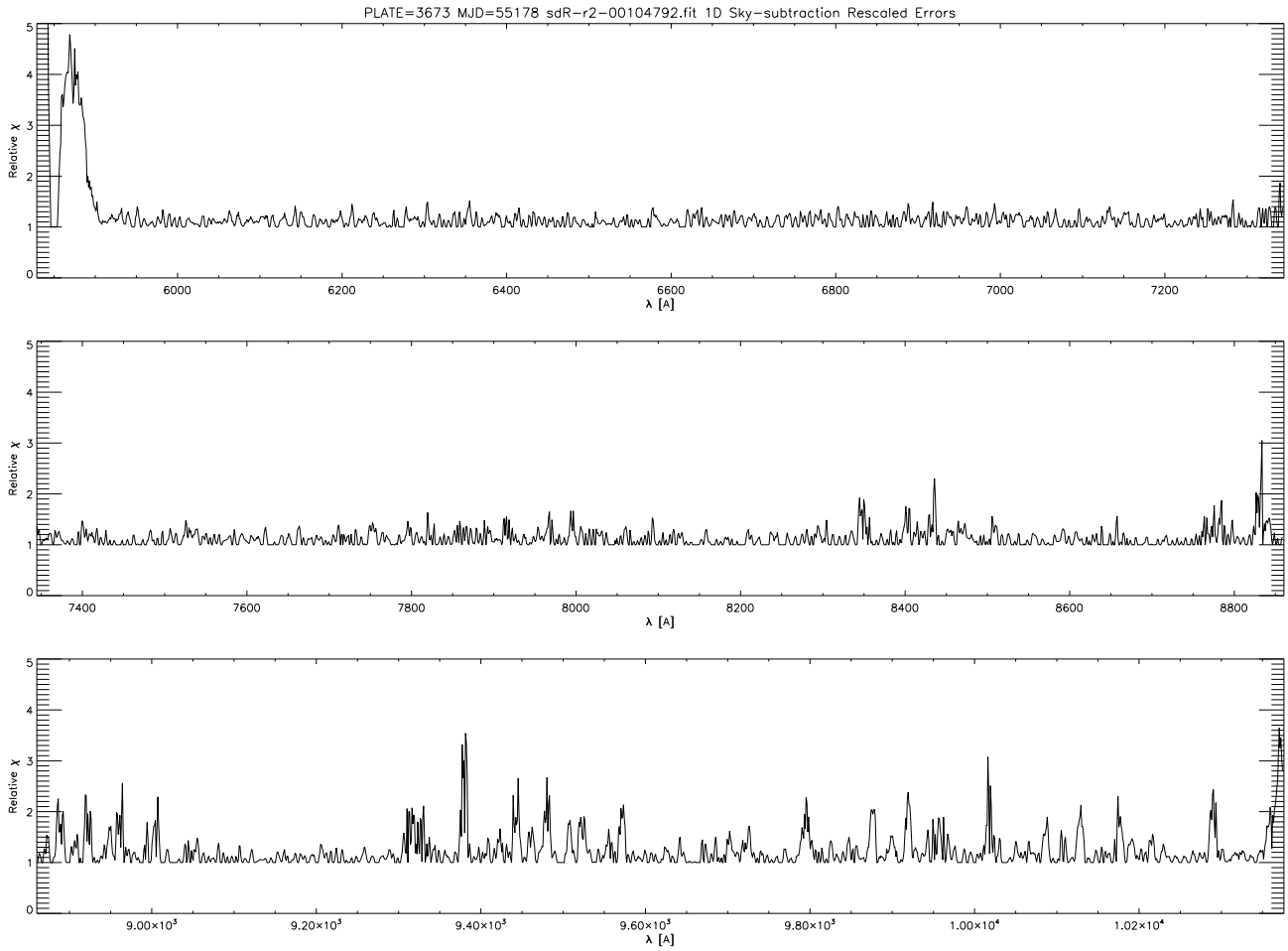

PLATE=3673 MJD=55178 Smooth superflat for sdR-r2-00104792.fit
2.0
1.5
1.0
0.5
0.0
1.04
1.02
1.00
0.98
0.96
6.0×10^3
7.0×10^3
8.0×10^3
9.0×10^3
1.0×10^4
1.1×10^4
Wavelength (Å)

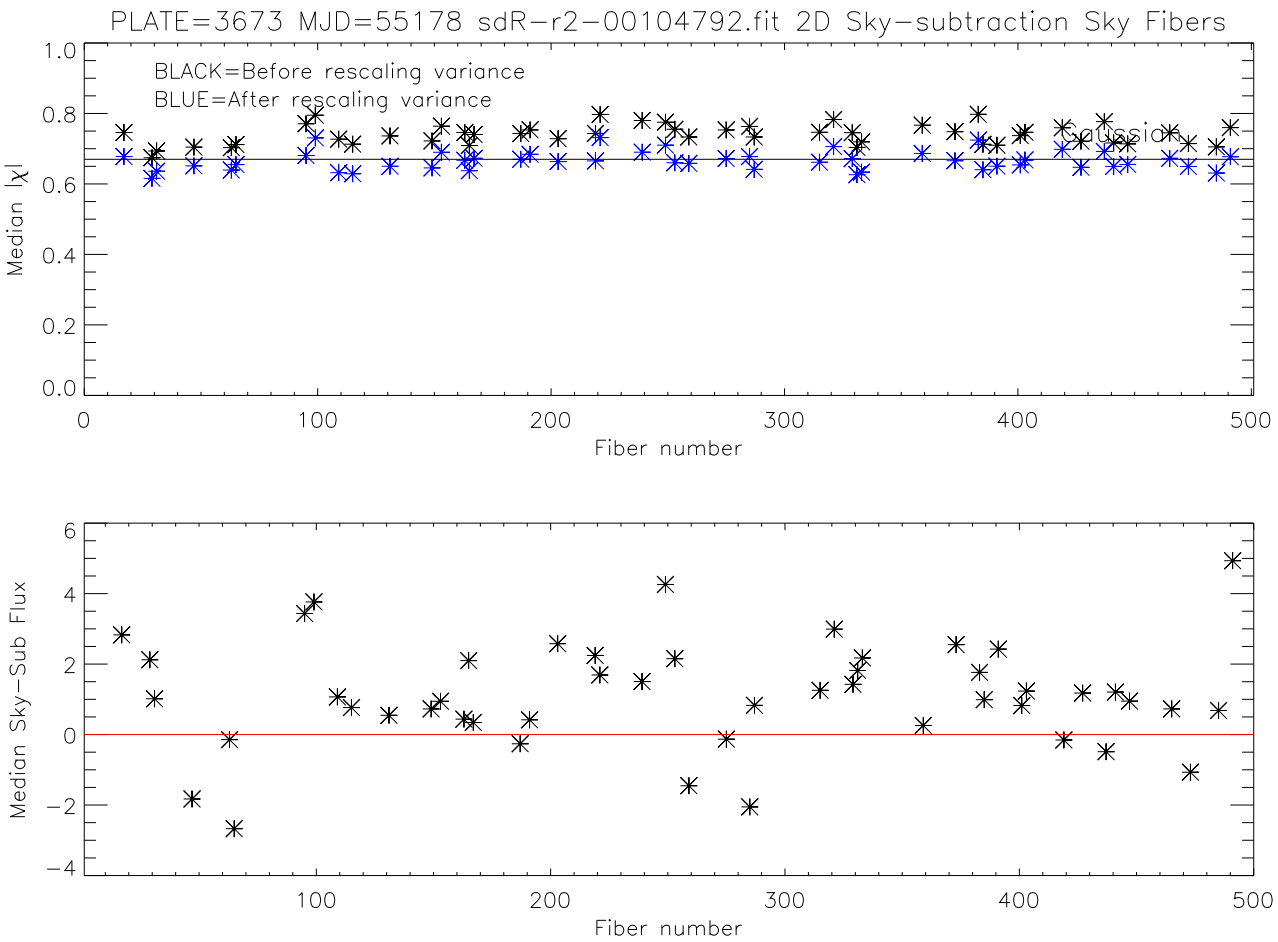

PLATE=3673 MJD=55178 sdR-r2-00104792.fit 1D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number


PLATE=3673 MJD=55178 sdR-r2-00104792.fit 1D Sky-subtraction Sky Fibers
Flux [electrons]
4000
3000
2000
1000
0
8820
8840
8860
8880
8900
λ [A]

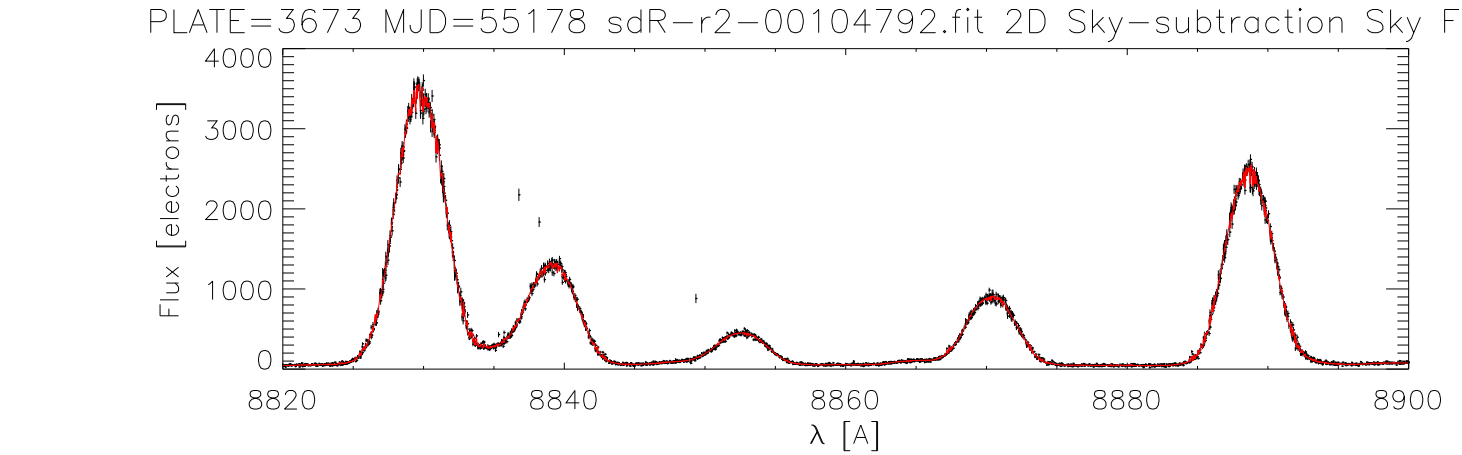

PLATE=3673 MJD=55178 sdR-r2-00104792.fit 1D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
2000
1500
1000
500
0
-500
8820
8840
8860
8880
8900
λ [A]

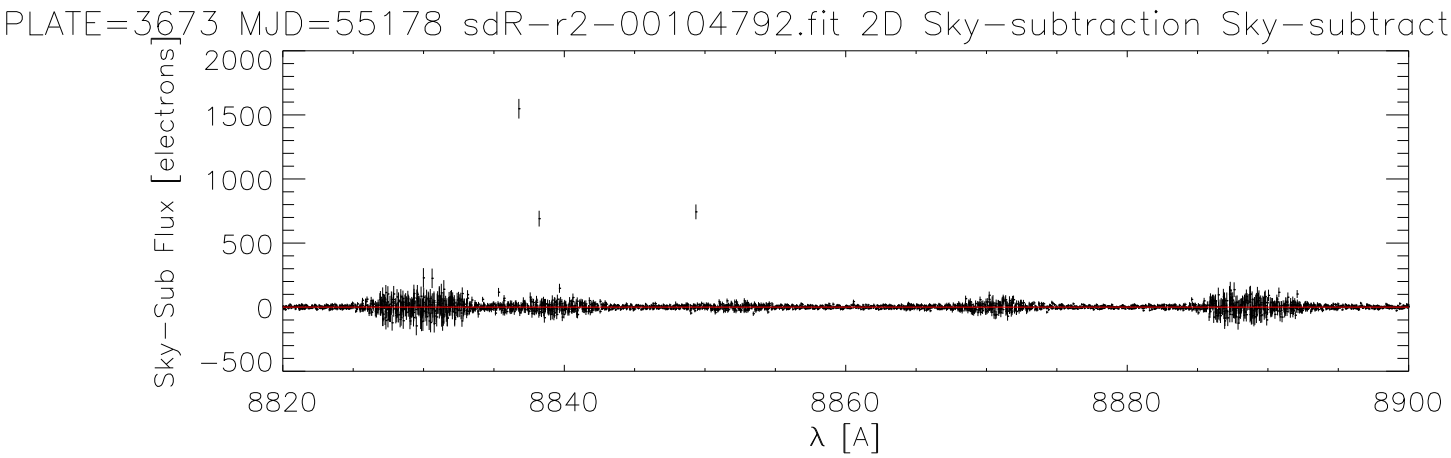
Number of sky fibers = 49



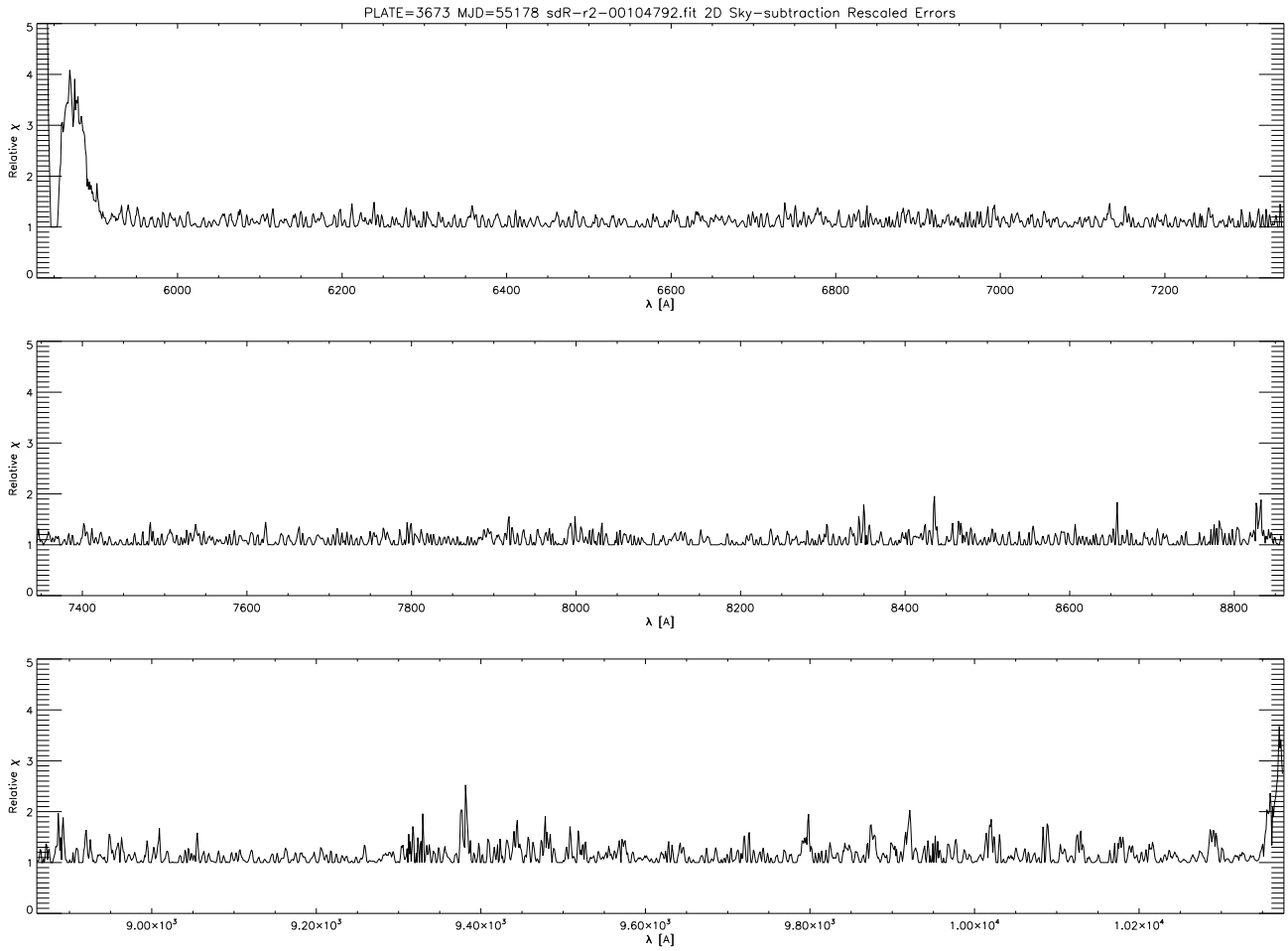

PLATE=3673 MJD=55178 sdR-r2-00104792.fit 2D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Median |χ|
Fiber number

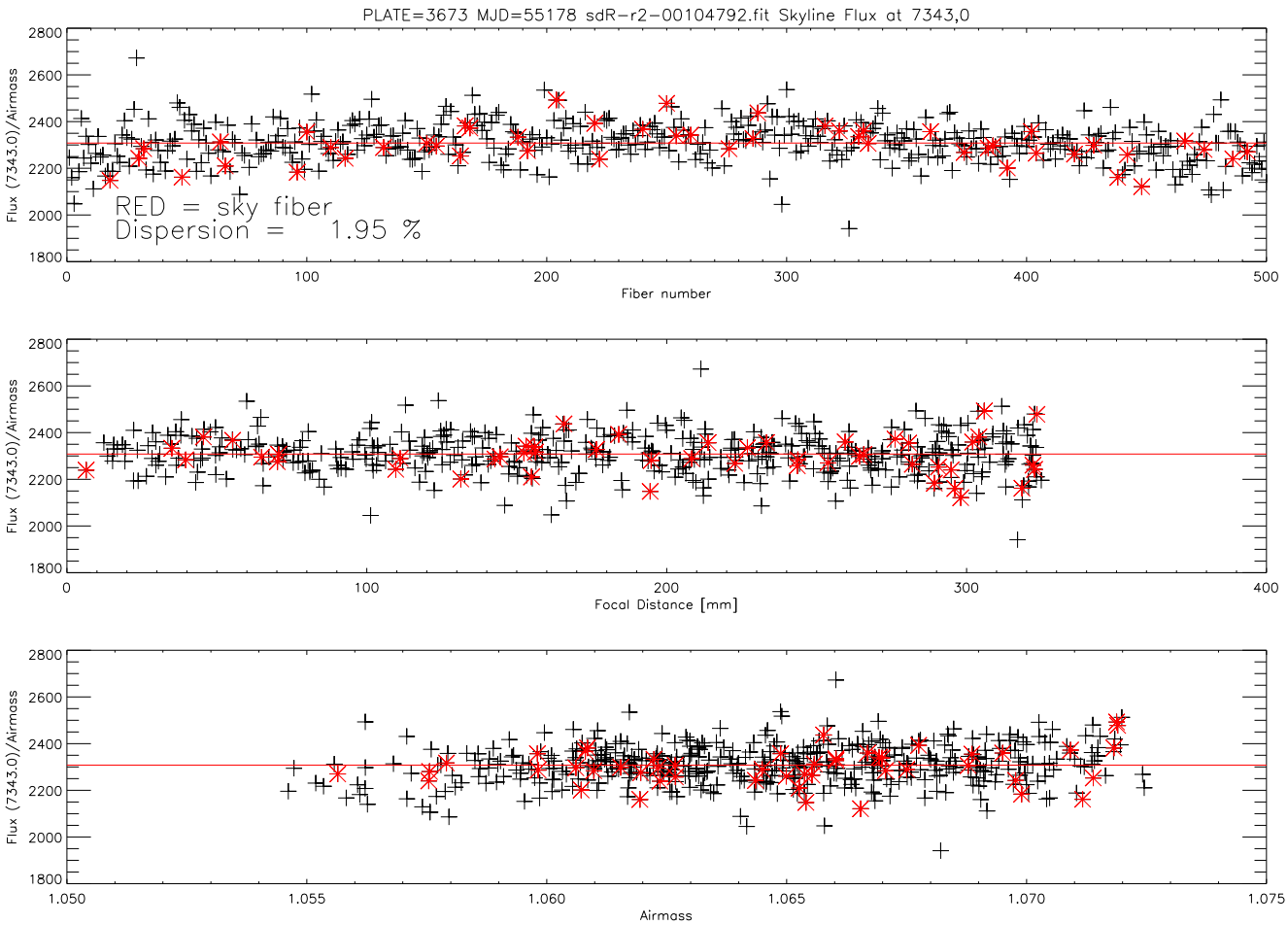
Median Sky-Sub Flux
Fiber number

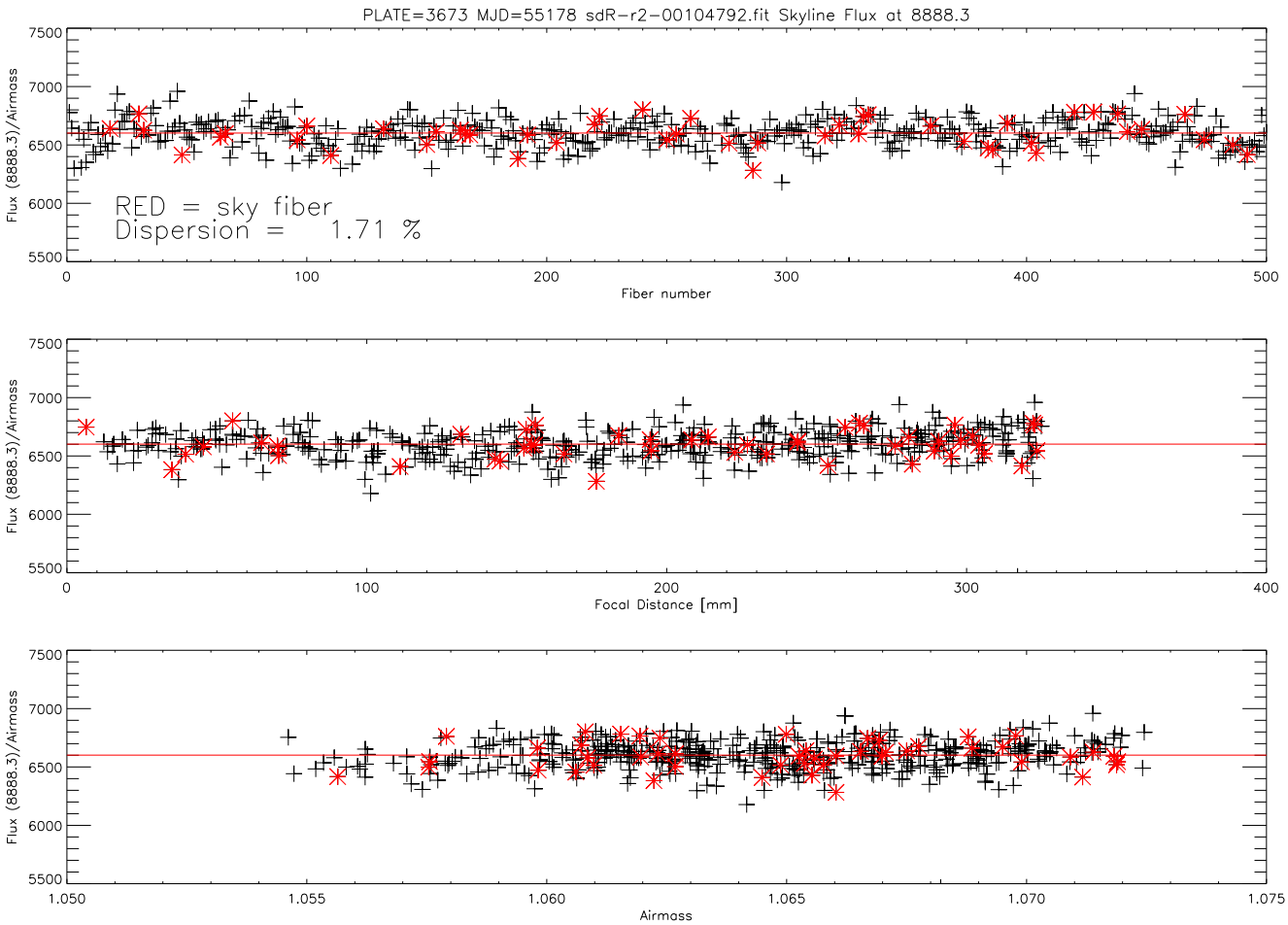

PLATE=3673 MJD=55178 sdR-r2-00104792.fit 2D Sky-subtraction Sky Fibers
Flux [electrons]
4000
3000
2000
1000
0
8820
8840
8860
8880
8900
λ [A]

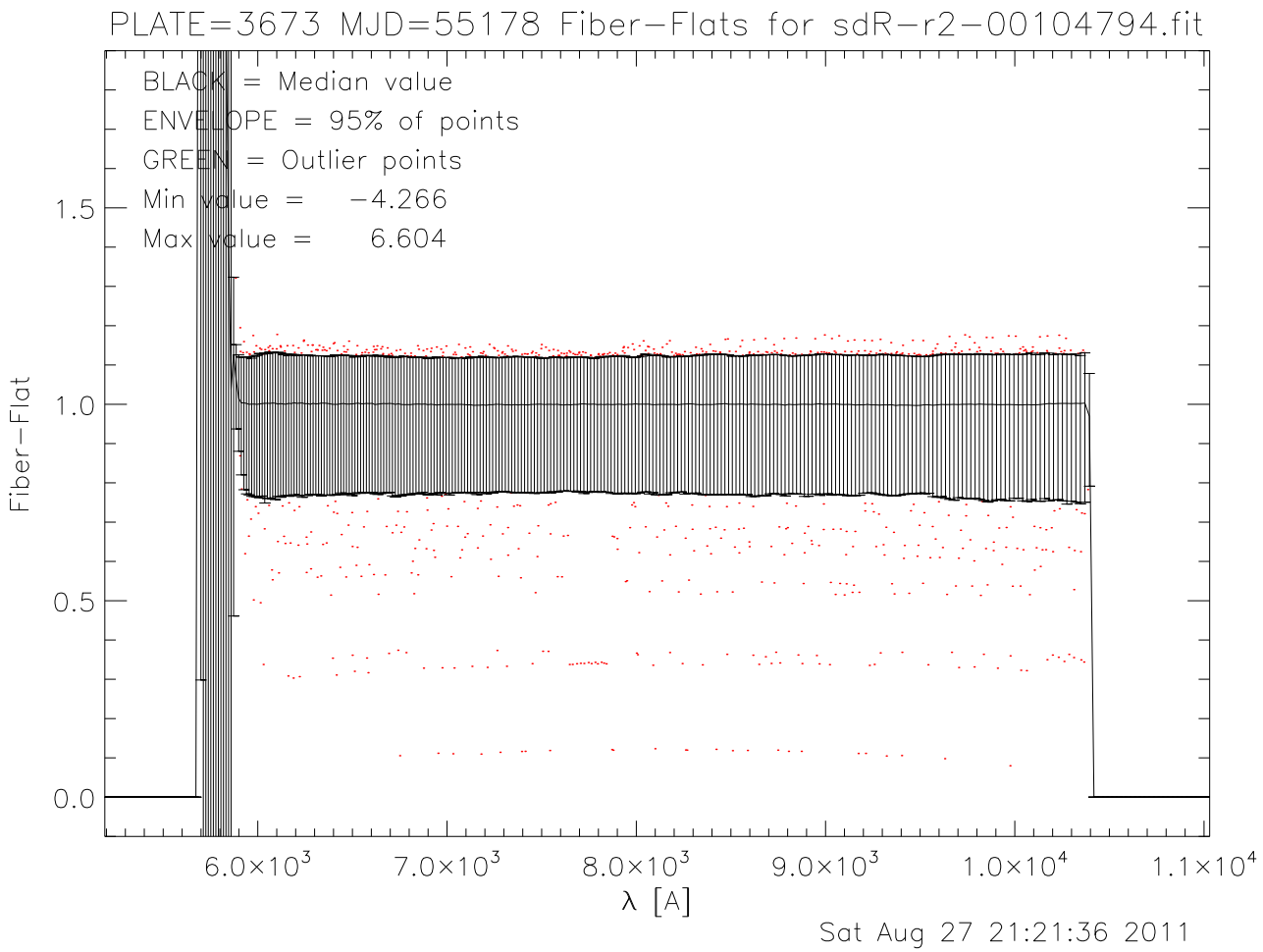

PLATE=3673 MJD=55178 sdR-r2-00104792.fit 2D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
2000
1500
1000
500
0
-500
8820
8840
8860
8880
8900
λ [A]

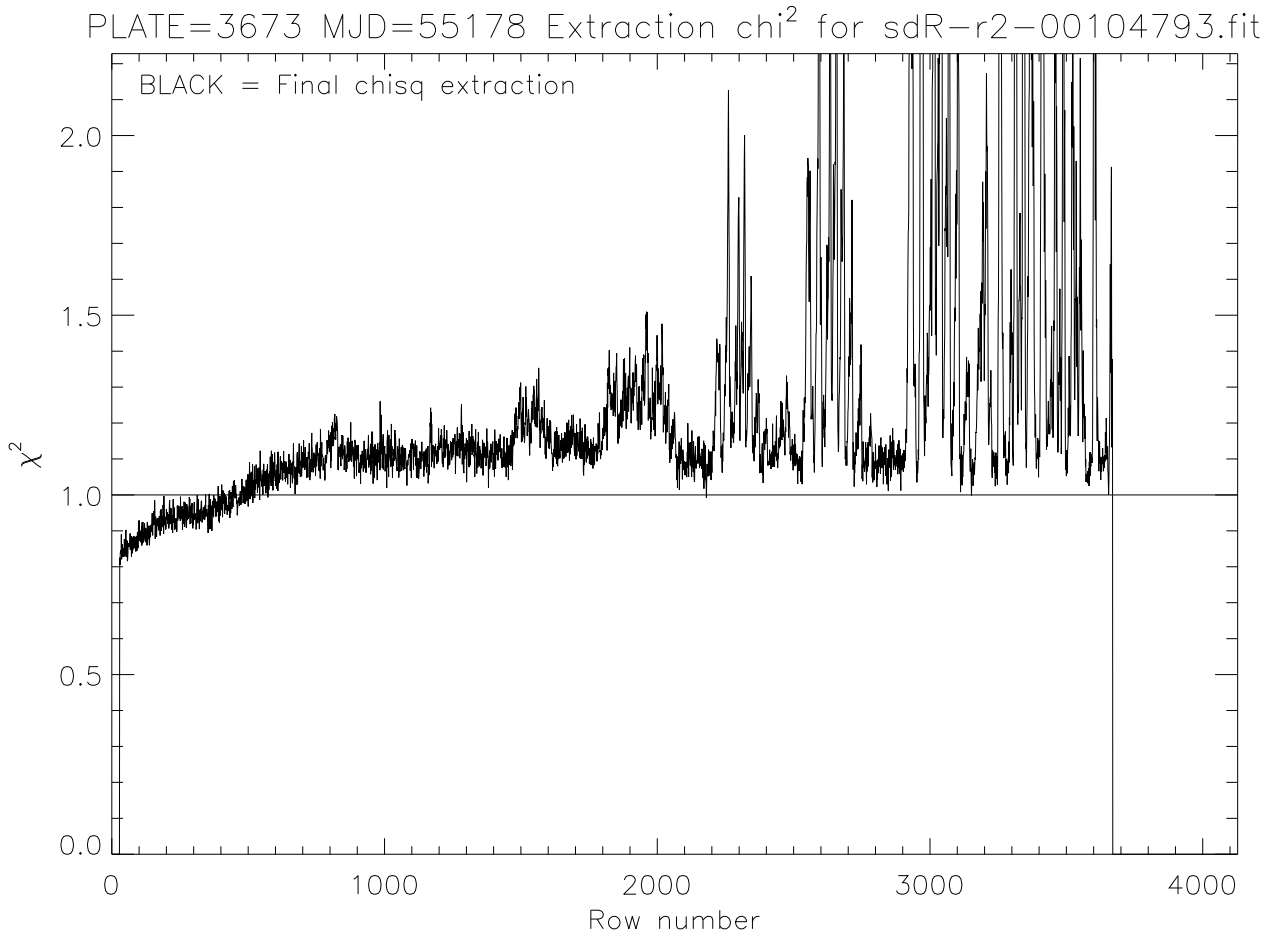
Number of sky fibers = 49

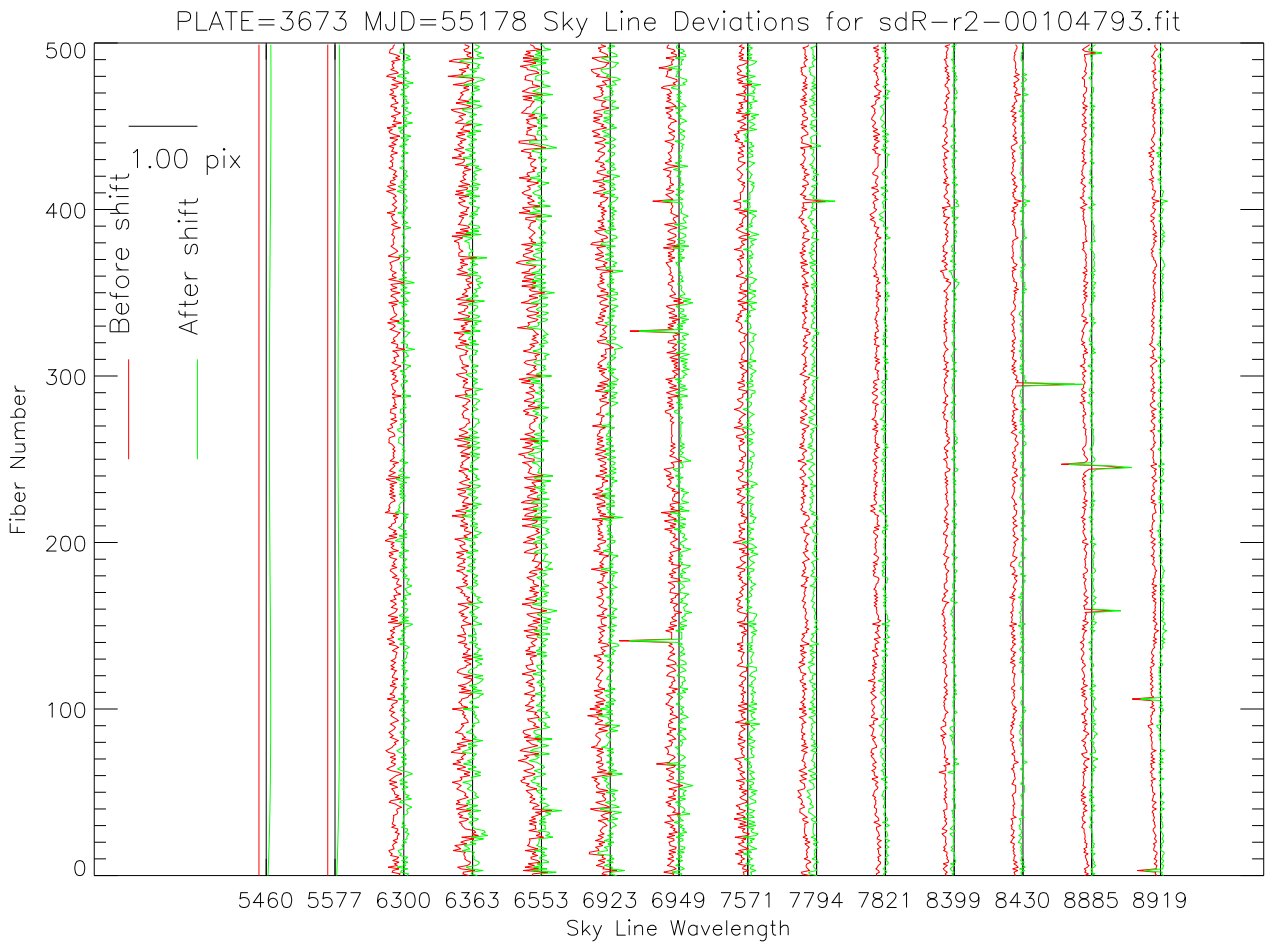


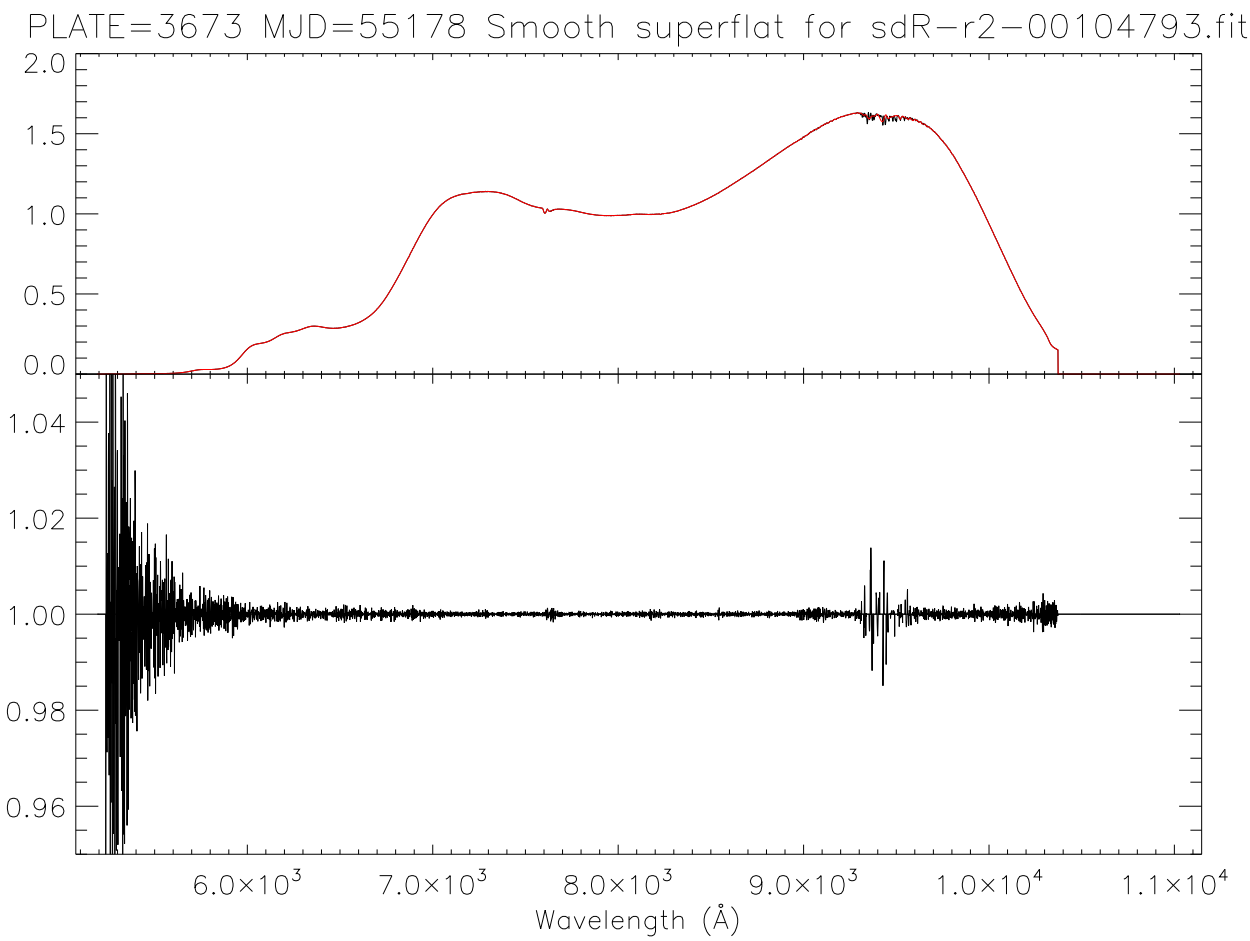

PLATE=3673 MJD=55178 sdR-r2-00104792.fit Skyline Flux at 7343,0
Flux (7343.0)/Airmass
RED = sky fiber
Dispersion = 1.95 %
Fiber number
Flux (7343.0)/Airmass
Focal Distance [mm]
Flux (7343.0)/Airmass
Airmass

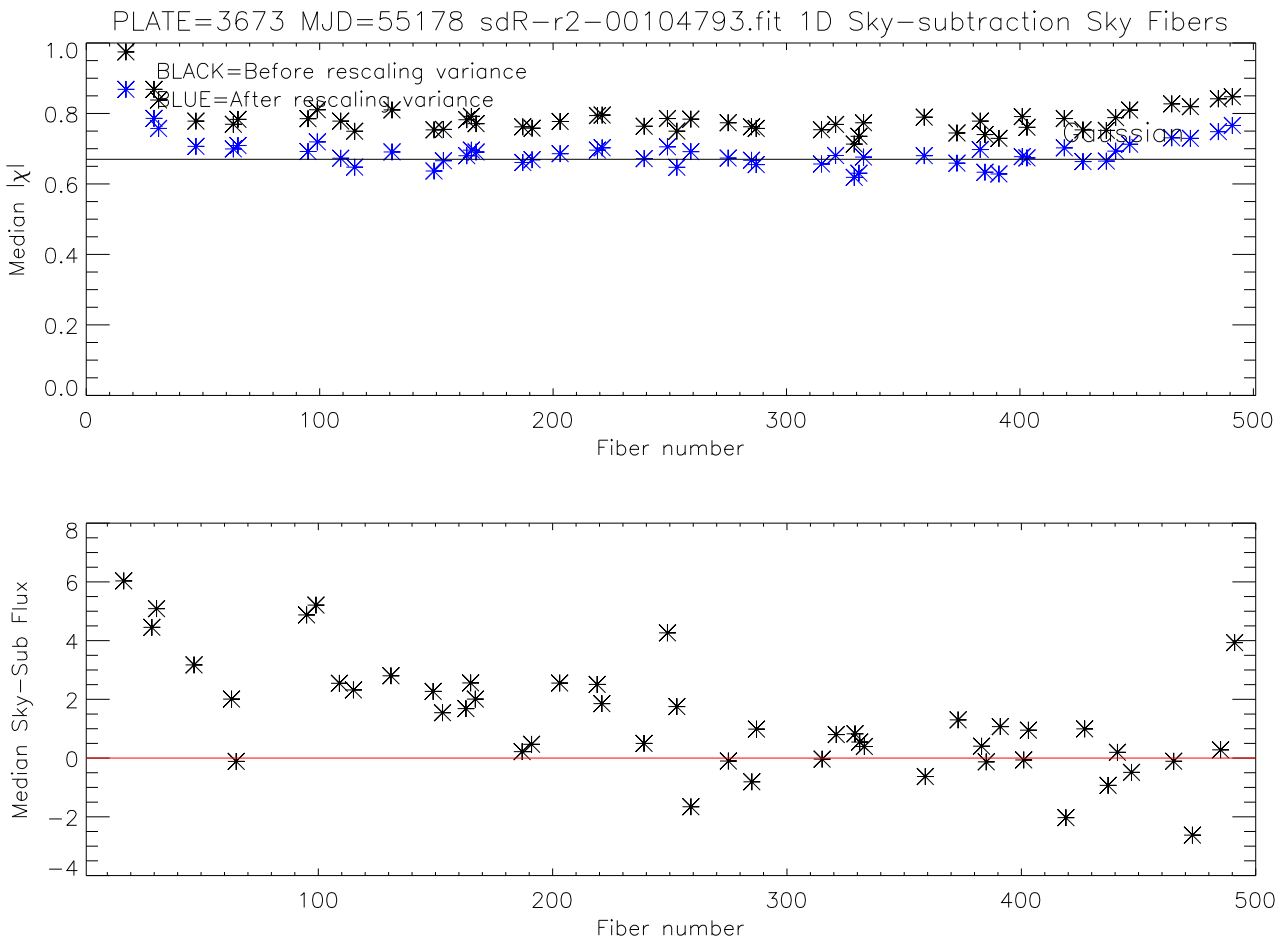

PLATE=3673 MJD=55178 sdR-r2-00104792.fit Skyline Flux at 8888.3
Flux (8888.3)/Airmass
RED = sky fiber
Dispersion = 1.71 %
Fiber number
Flux (8888.3)/Airmass
Focal Distance [mm]
Flux (8888.3)/Airmass
Airmass

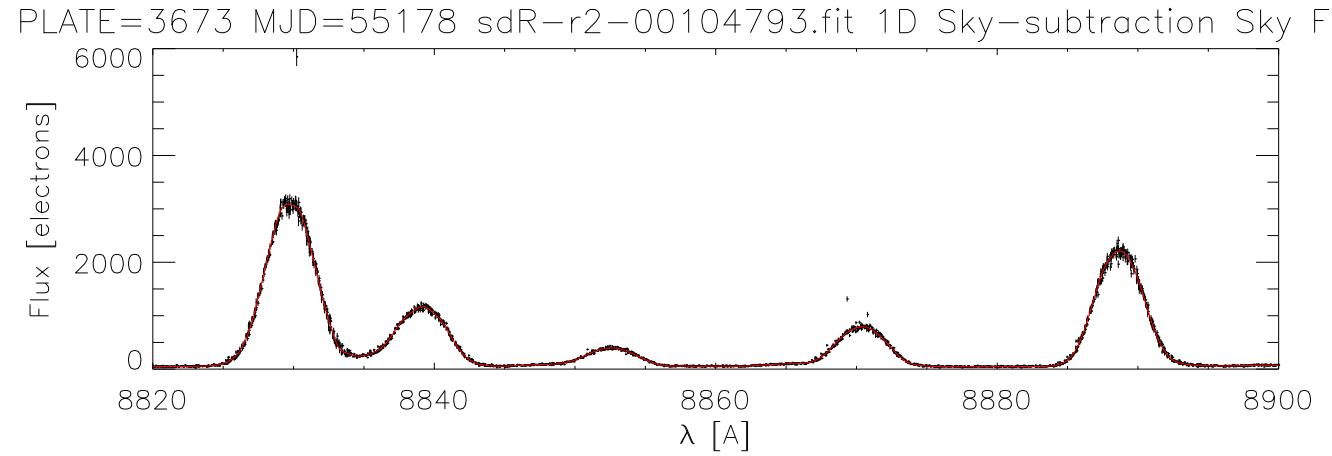

PLATE=3673 MJD=55178 Fiber−Flats for sdR−r2−00104794.fit
BLACK = Median value
ENVELOPE = 95% of points
GREEN = Outlier points
Min value = −4.266
Max value = 6.604
Fiber−Flat
1.5
1.0
0.5
0.0
6.0×10^3
7.0×10^3
8.0×10^3
9.0×10^3
1.0×10^4
1.1×10^4
λ [A]
Sat Aug 27 21:21:36 2011

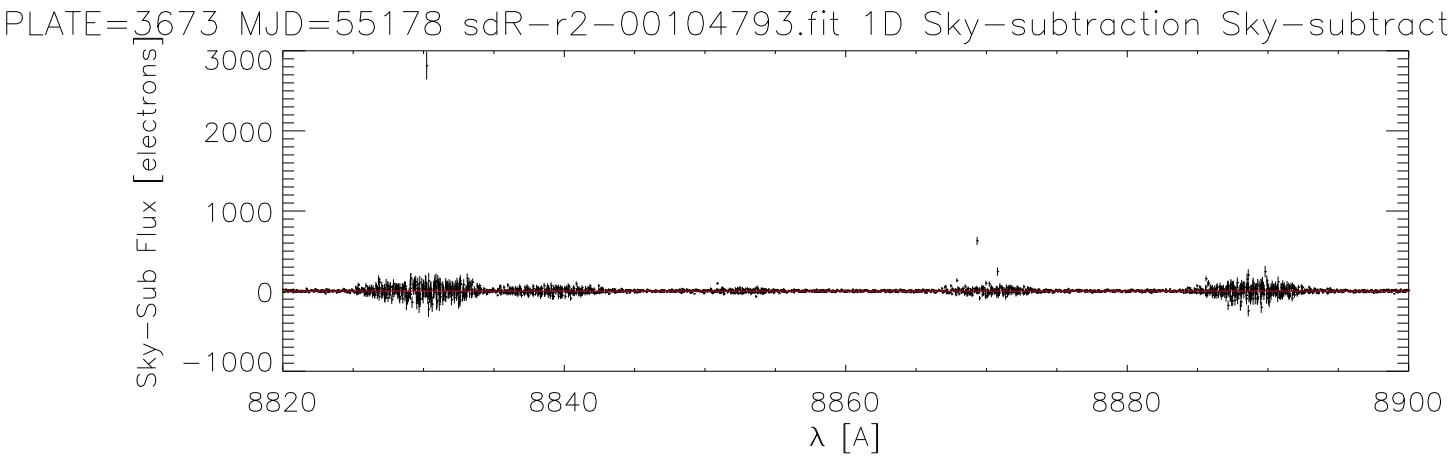

PLATE=3673 MJD=55178 Extraction chi^2 for sdR−r2−00104793.fit
BLACK = Final chisq extraction
χ^2
2.0
1.5
1.0
0.5
0.0
0
1000
2000
3000
4000
Row number


PLATE=3673 MJD=55178 Sky Line Deviations for sdR-r2-00104793.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

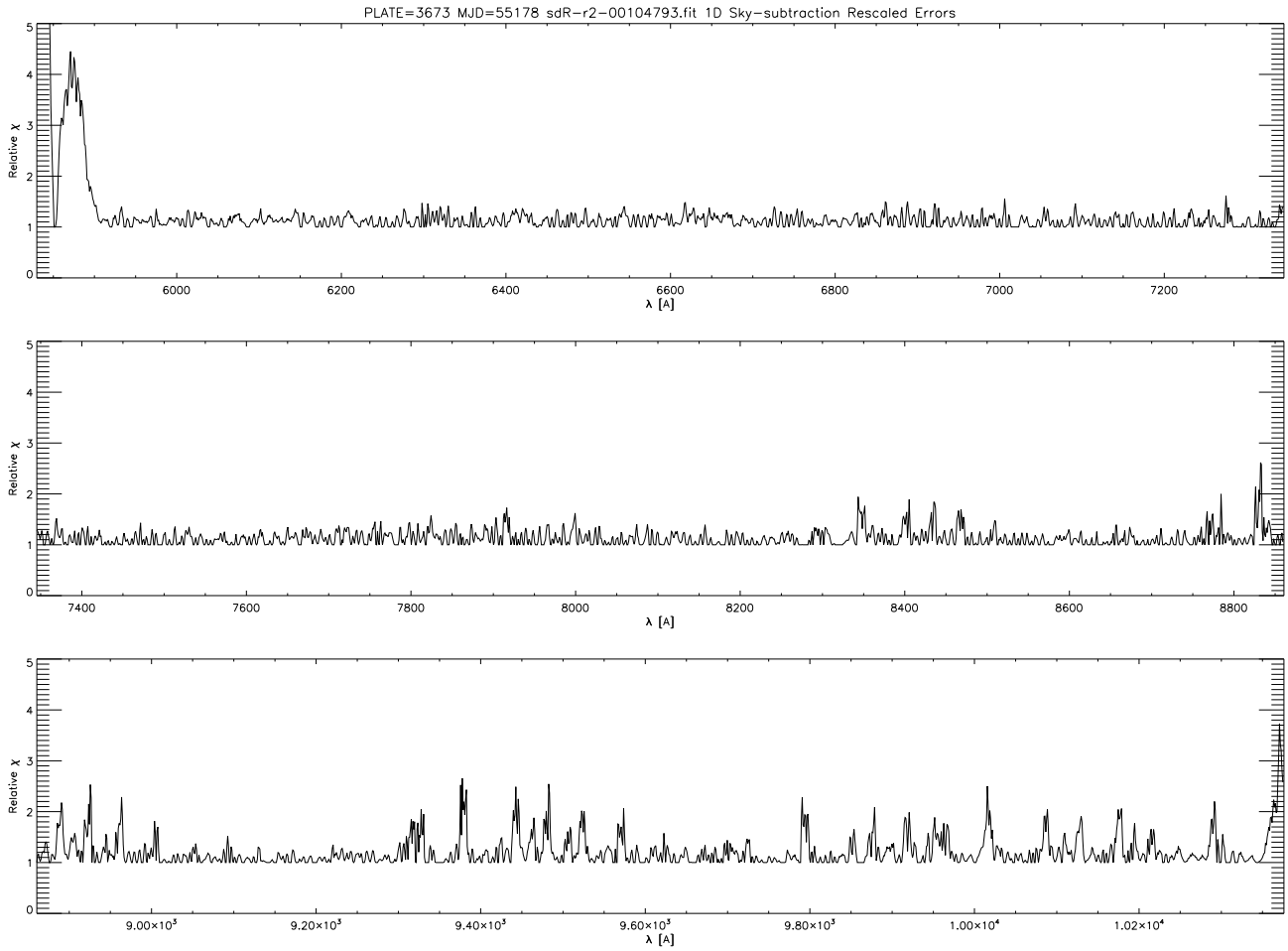

PLATE=3673 MJD=55178 Smooth superflat for sdR-r2-00104793.fit
2.0
1.5
1.0
0.5
0.0
1.04
1.02
1.00
0.98
0.96
6.0×10^3
7.0×10^3
8.0×10^3
9.0×10^3
1.0×10^4
1.1×10^4
Wavelength (Å)

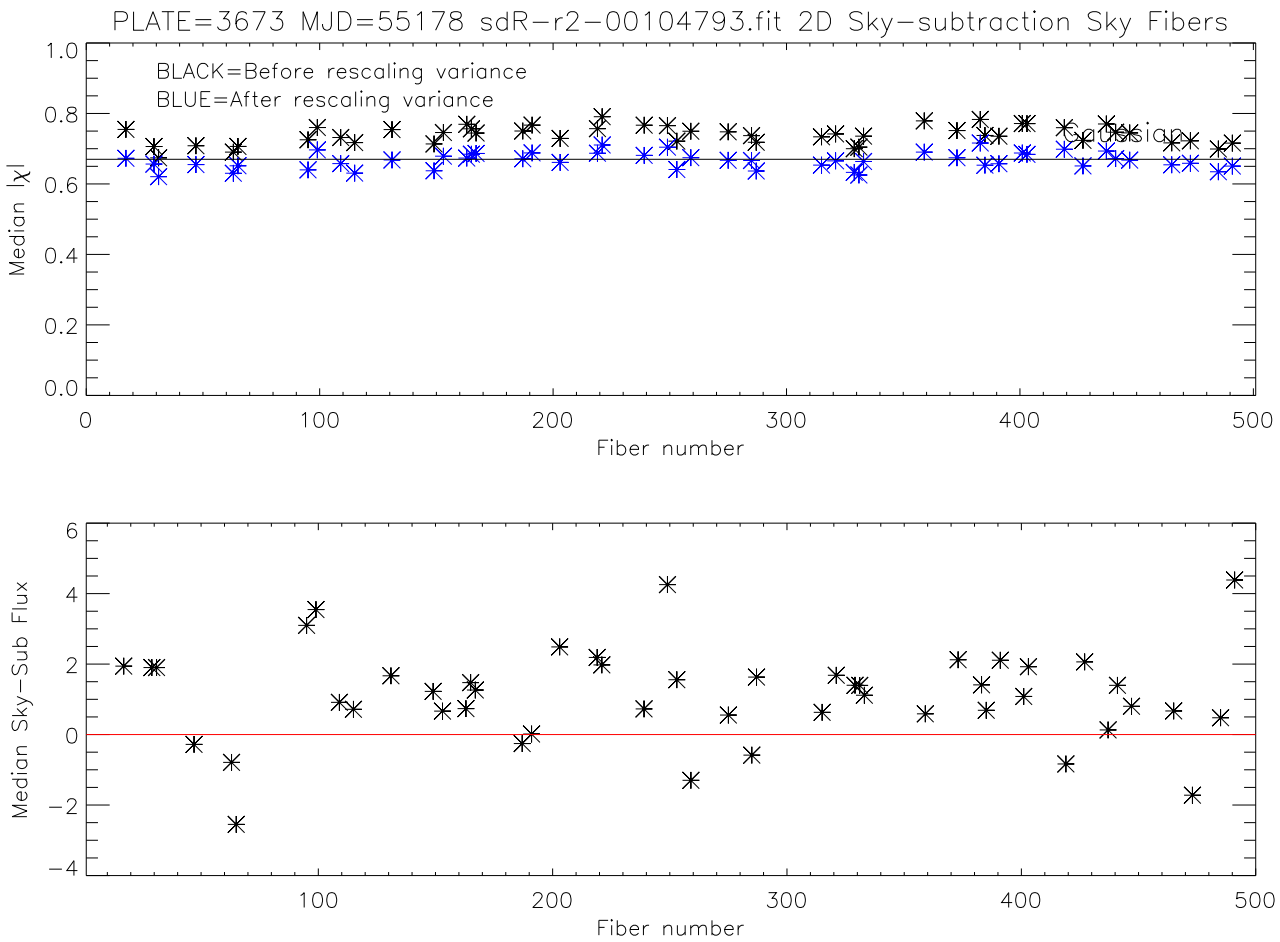

PLATE=3673 MJD=55178 sdR-r2-00104793.fit 1D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number


PLATE=3673 MJD=55178 sdR-r2-00104793.fit 1D Sky-subtraction Sky Fibers
Flux [electrons]
6000
4000
2000
0
8820
8840
8860
8880
8900
λ [A]

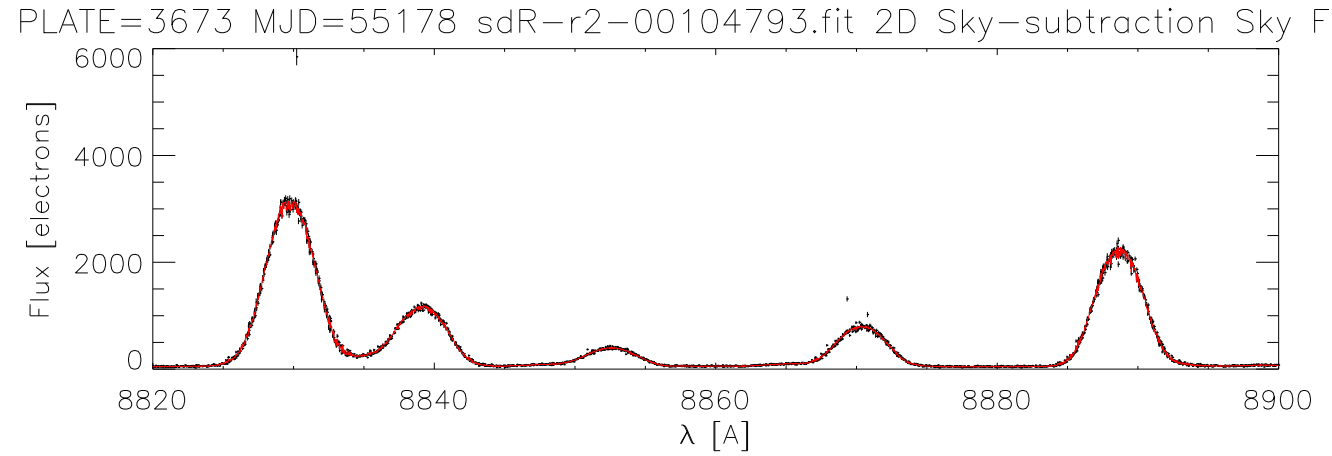

PLATE=3673 MJD=55178 sdR-r2-00104793.fit 1D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
3000
2000
1000
0
-1000
8820
8840
8860
8880
8900
λ [A]

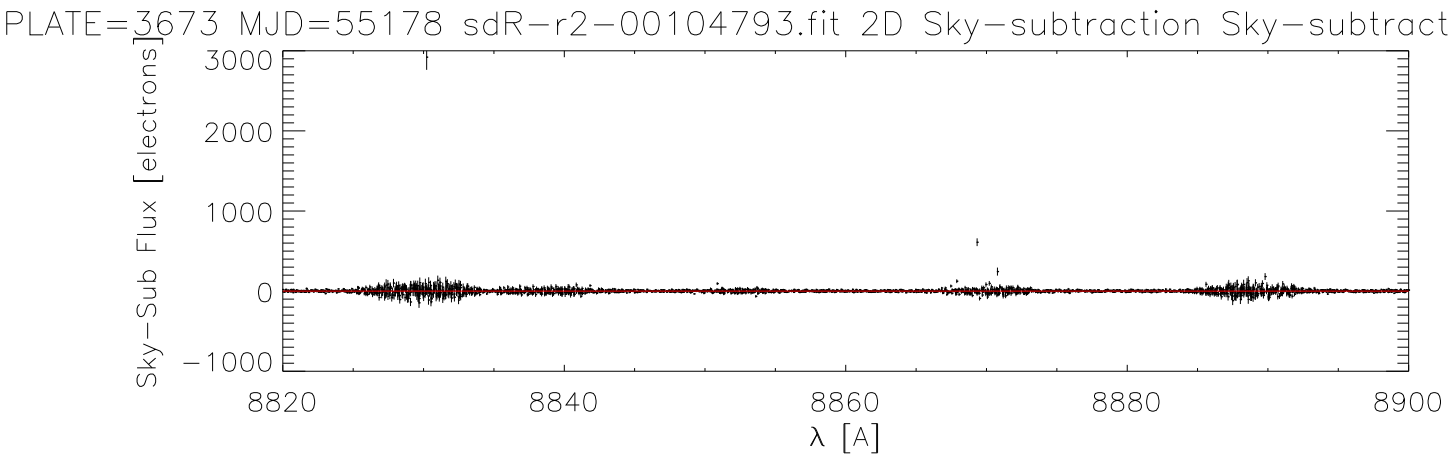
Number of sky fibers = 49



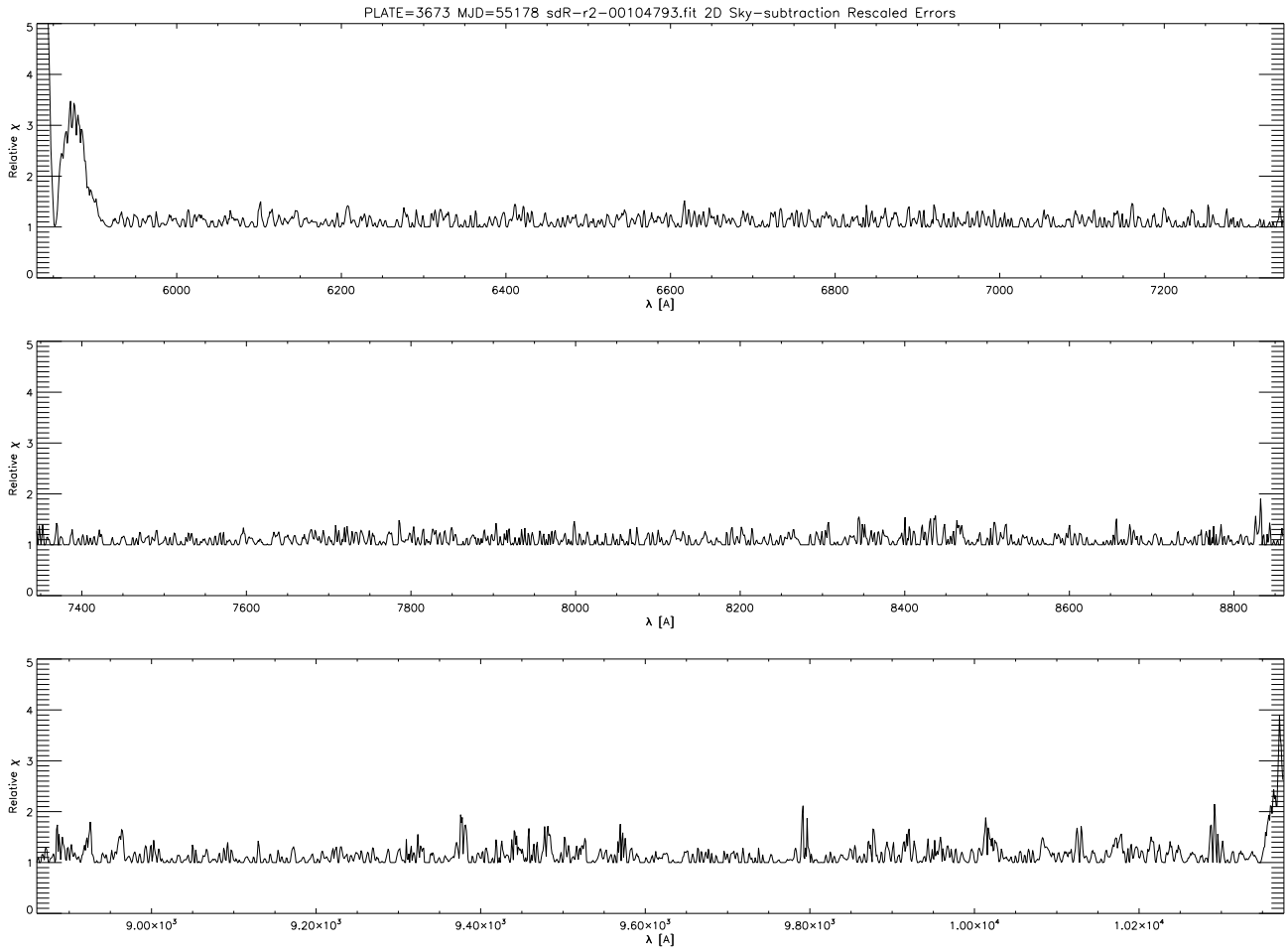

PLATE=3673 MJD=55178 sdR-r2-00104793.fit 2D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Median |χ|
Fiber number

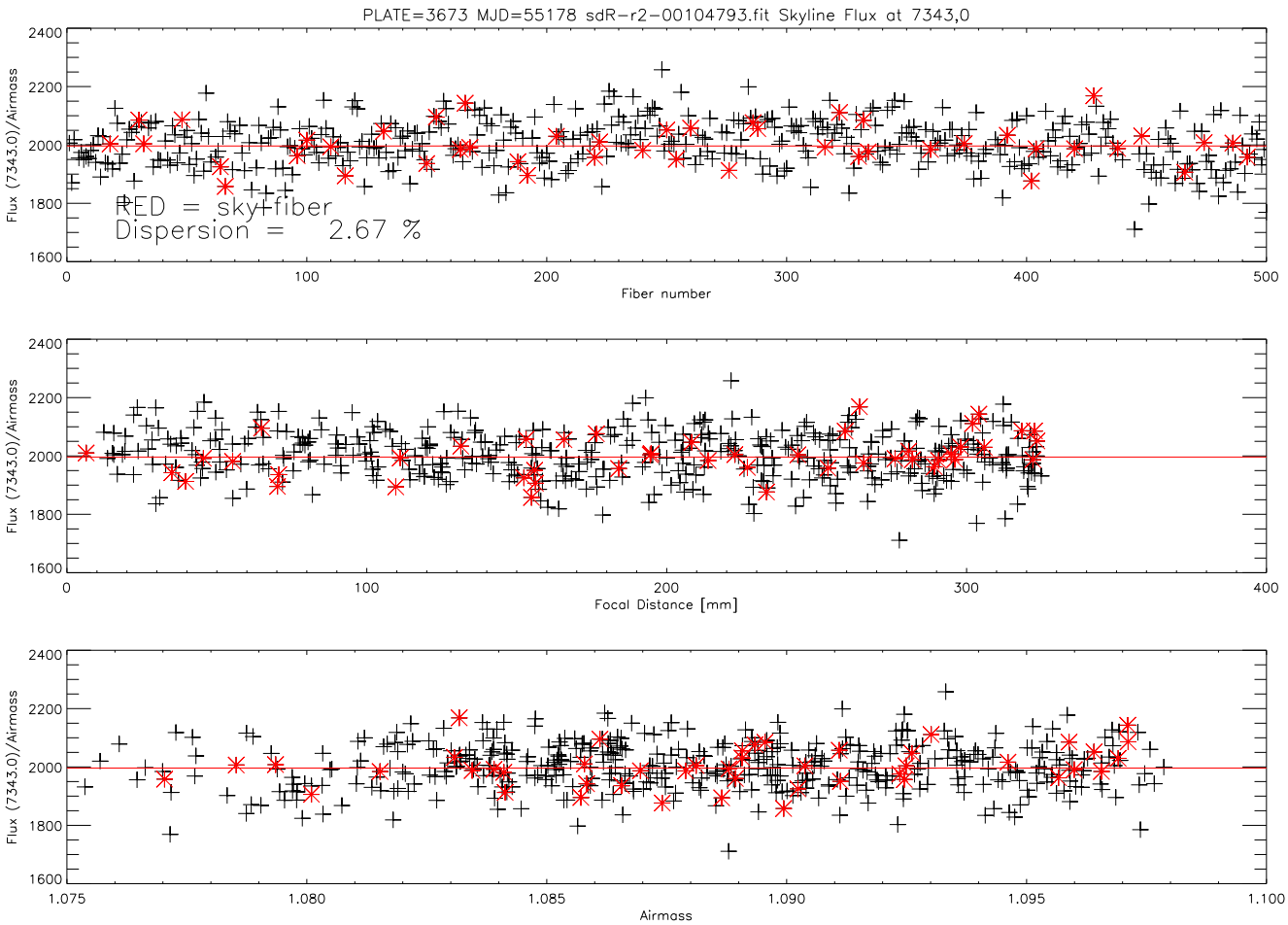
Median Sky-Sub Flux
Fiber number

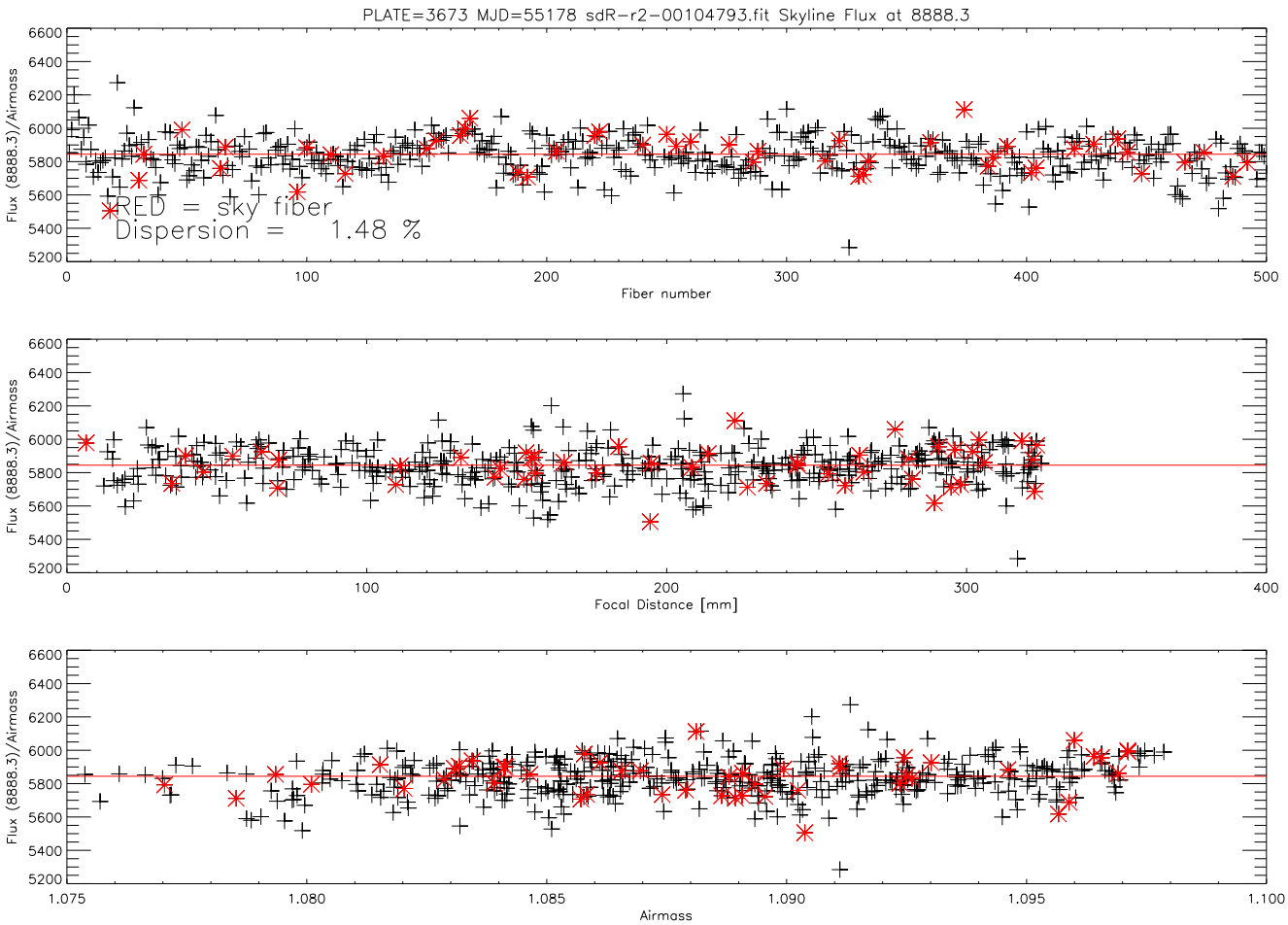

PLATE=3673 MJD=55178 sdR-r2-00104793.fit 2D Sky-subtraction Sky Fibers
Flux [electrons]
6000
4000
2000
0
8820
8840
8860
8880
8900
λ [A]

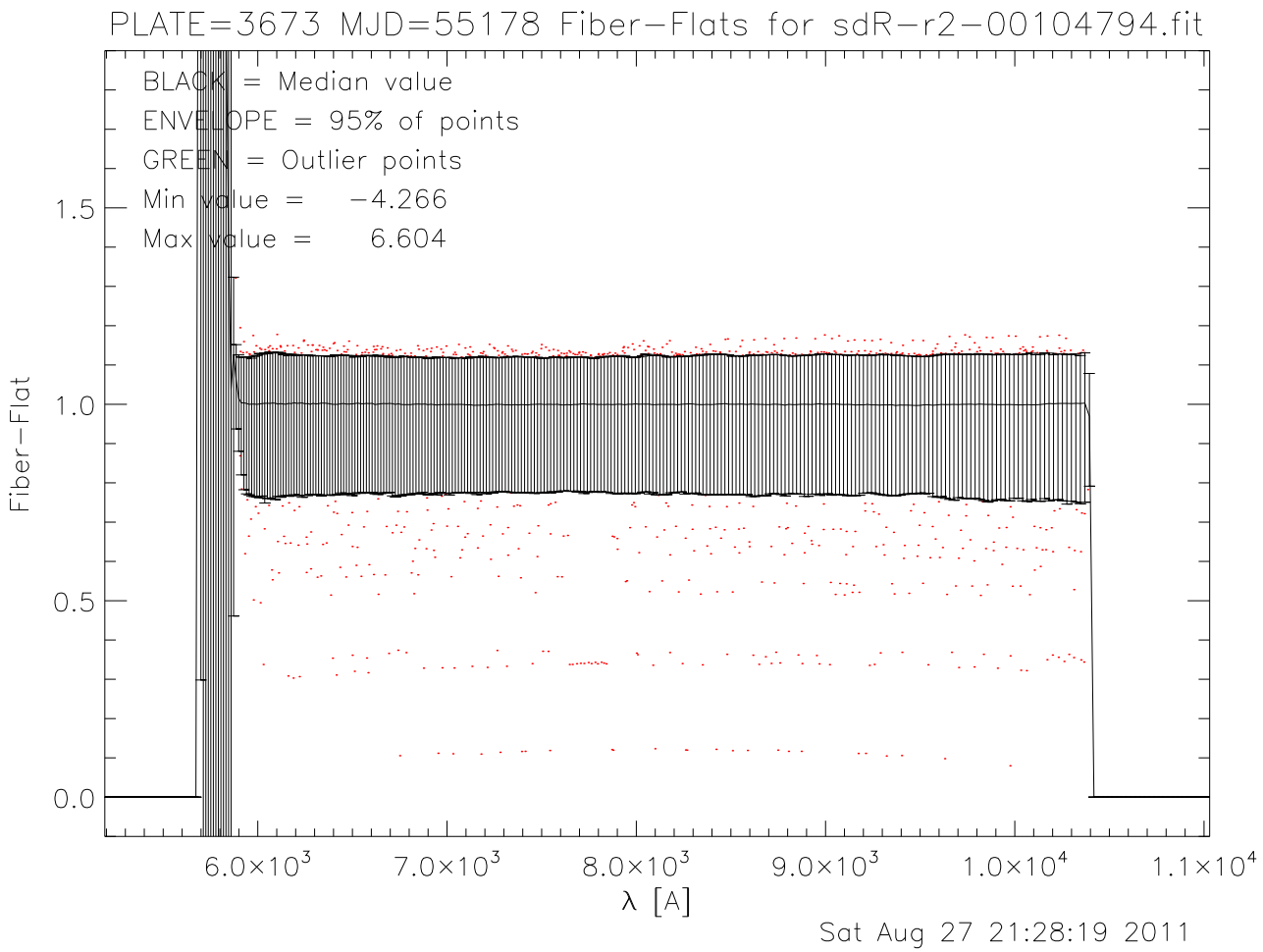

PLATE=3673 MJD=55178 sdR-r2-00104793.fit 2D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
3000
2000
1000
0
-1000
8820
8840
8860
8880
8900
λ [A]

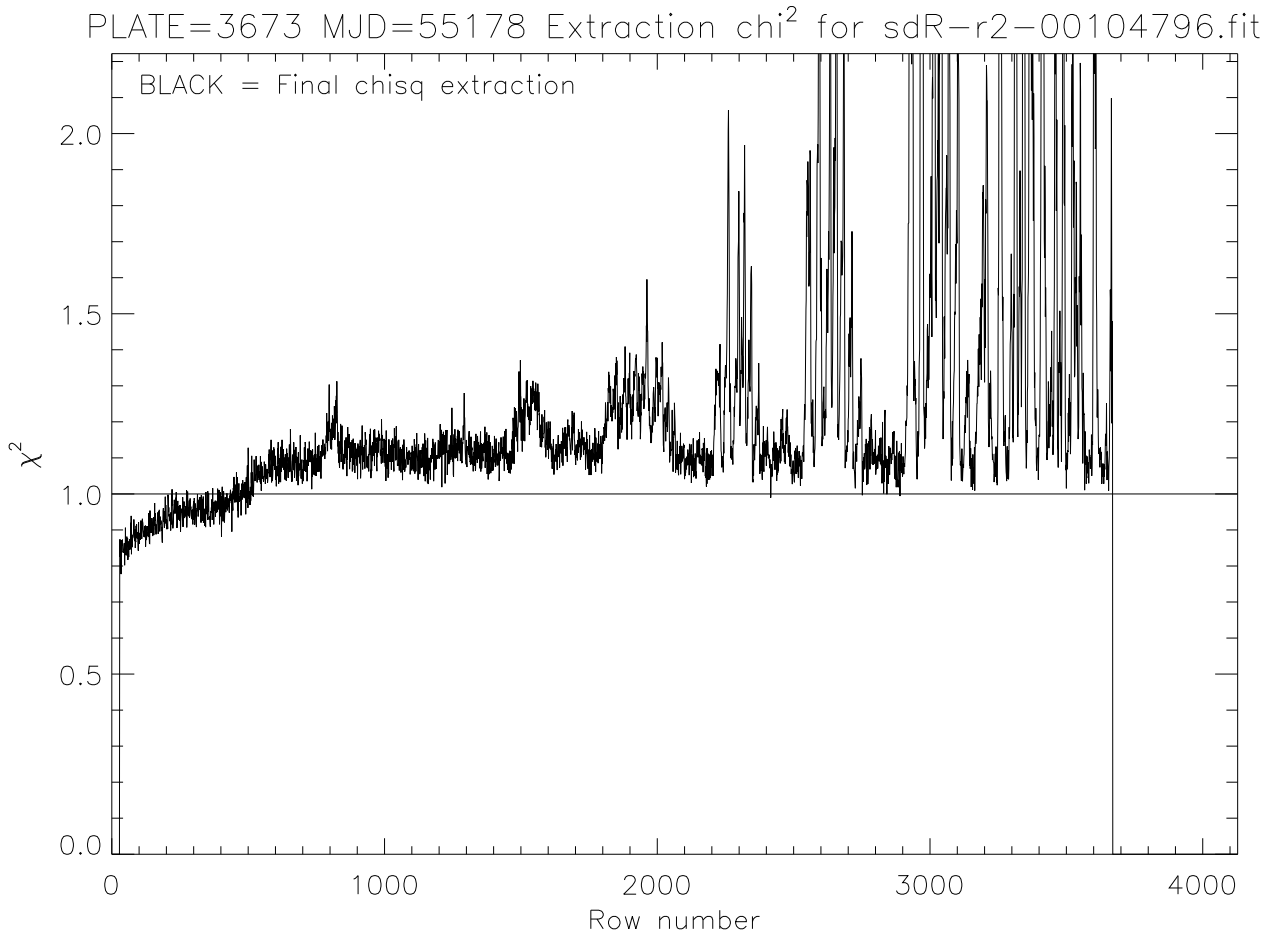
Number of sky fibers = 49

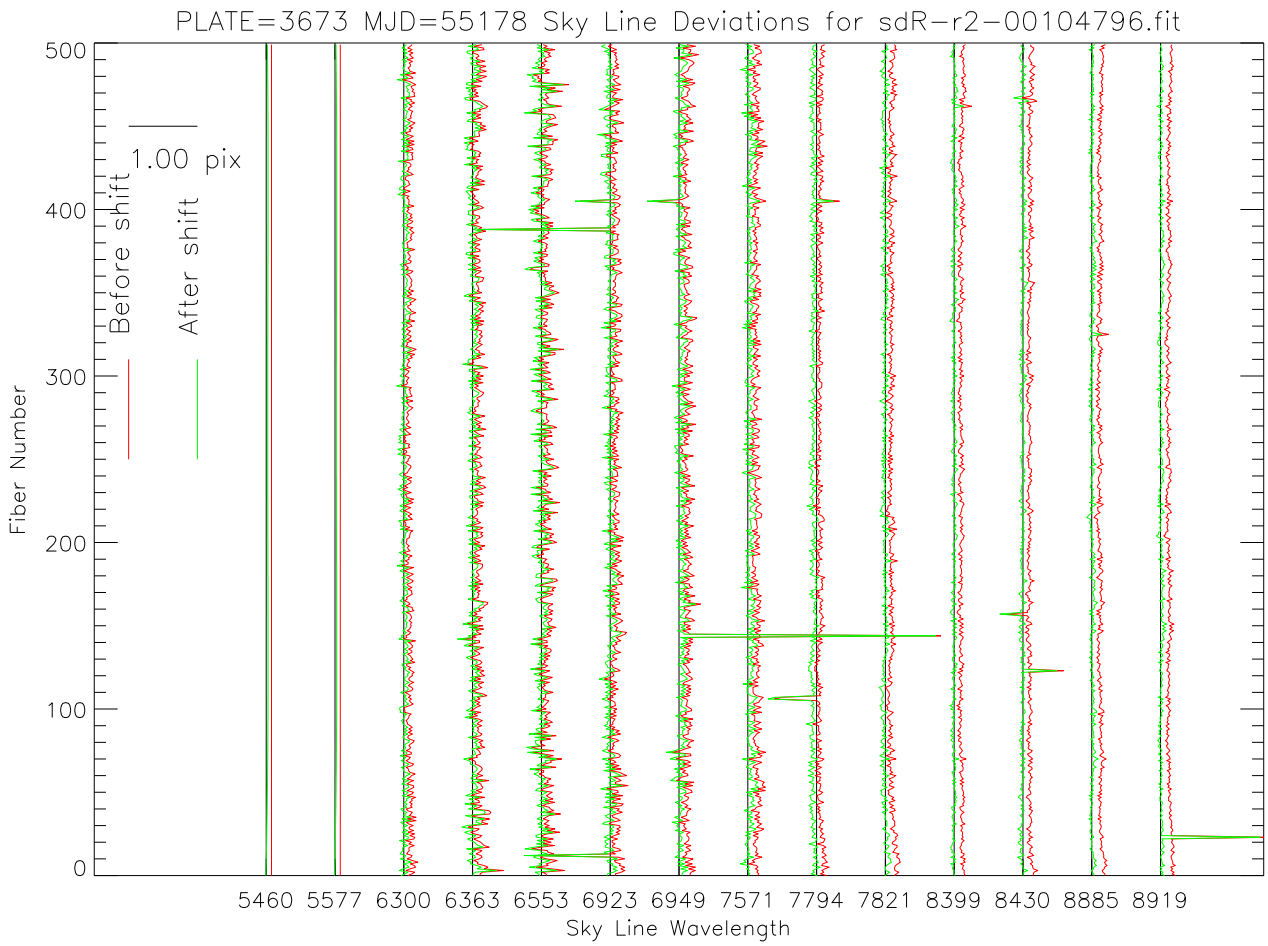


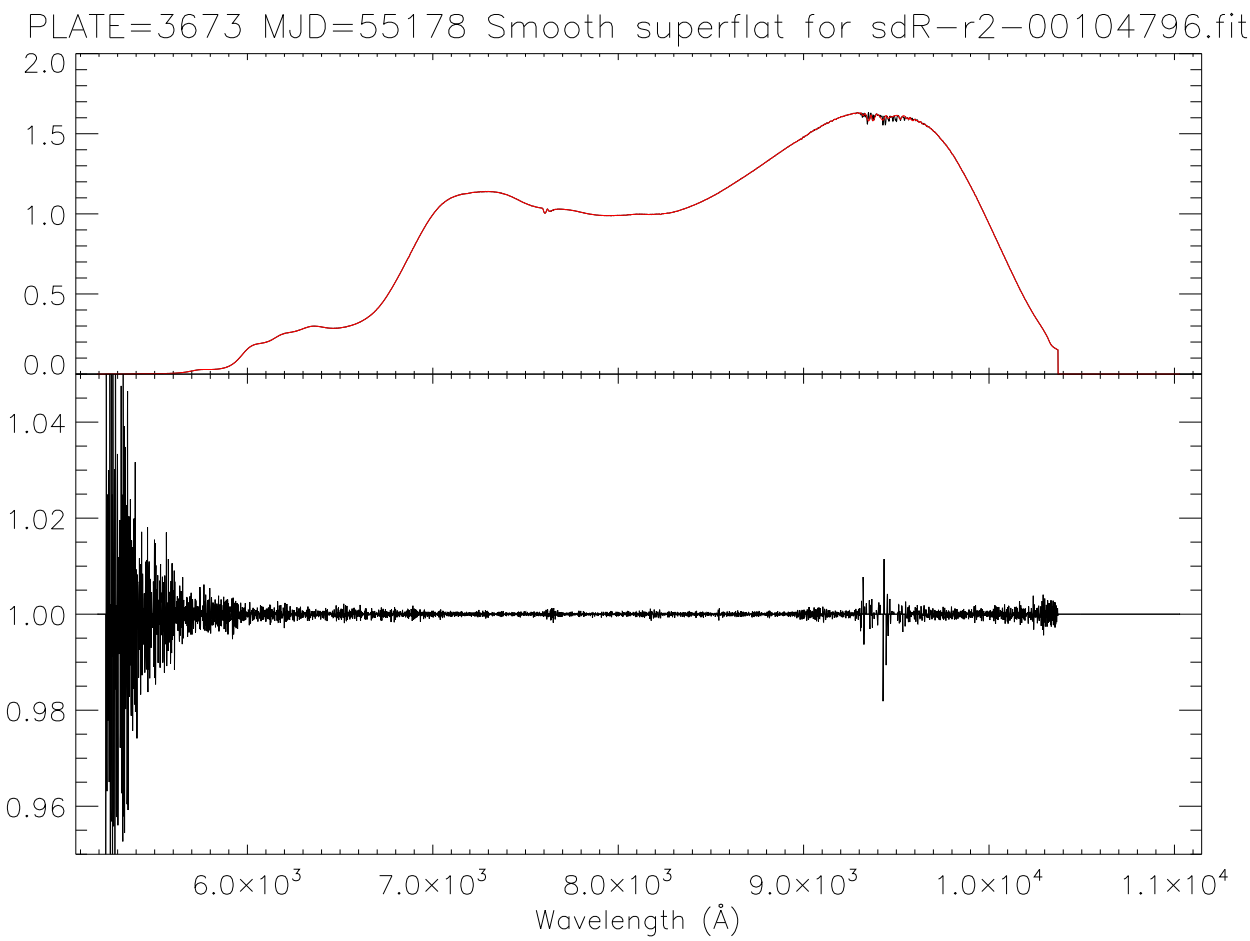

PLATE=3673 MJD=55178 sdR-r2-00104793.fit Skyline Flux at 7343,0
Flux (7343.0)/Airmass
RED = sky+fiber
Dispersion = 2.67 %
Fiber number
Focal Distance [mm]
Airmass

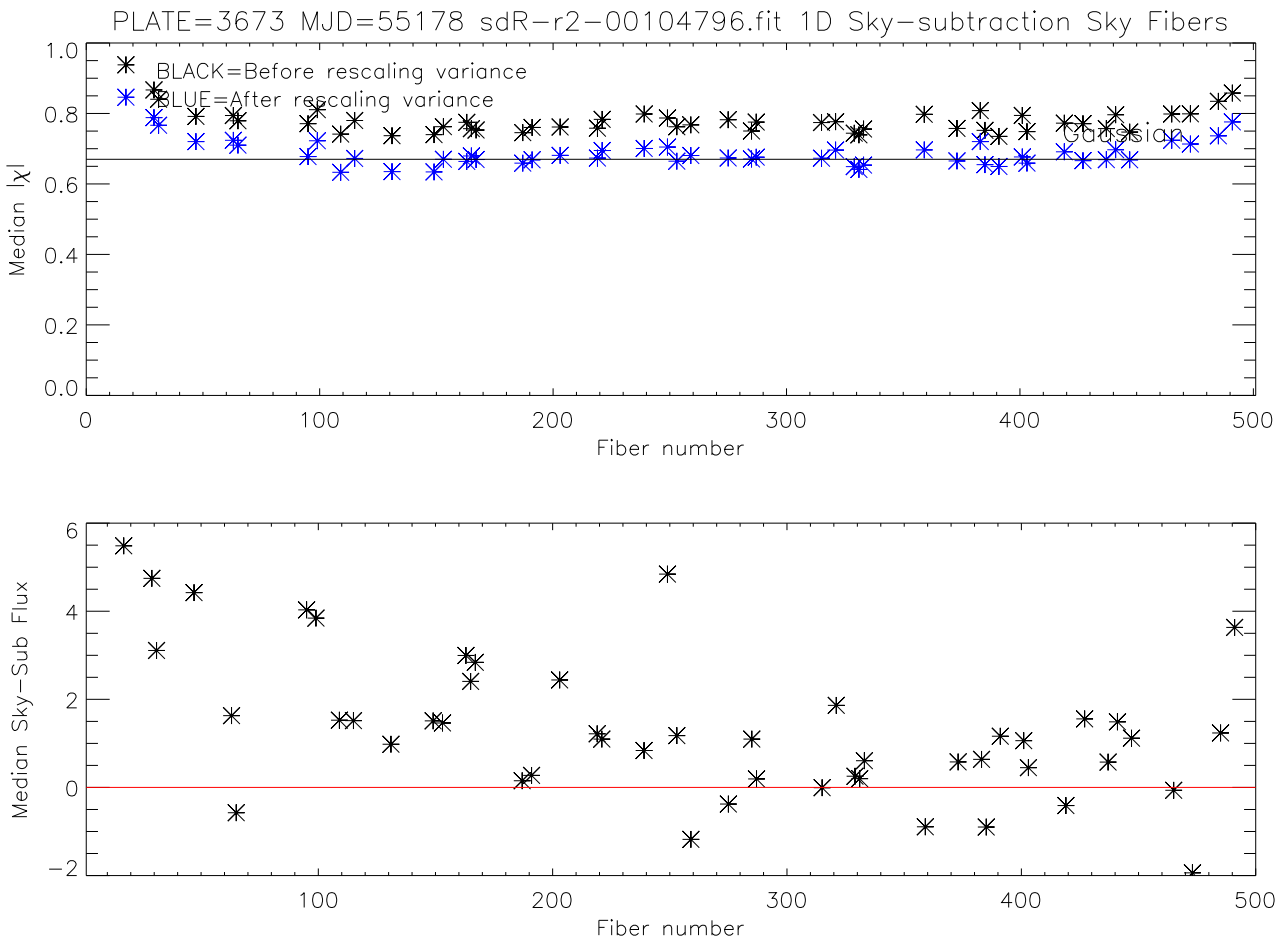

PLATE=3673 MJD=55178 sdR-r2-00104793.fit Skyline Flux at 8888.3
Flux (8888.3)/Airmass
Fiber number
RED = sky fiber
Dispersion = 1.48 %
Flux (8888.3)/Airmass
Focal Distance [mm]
Flux (8888.3)/Airmass
Airmass

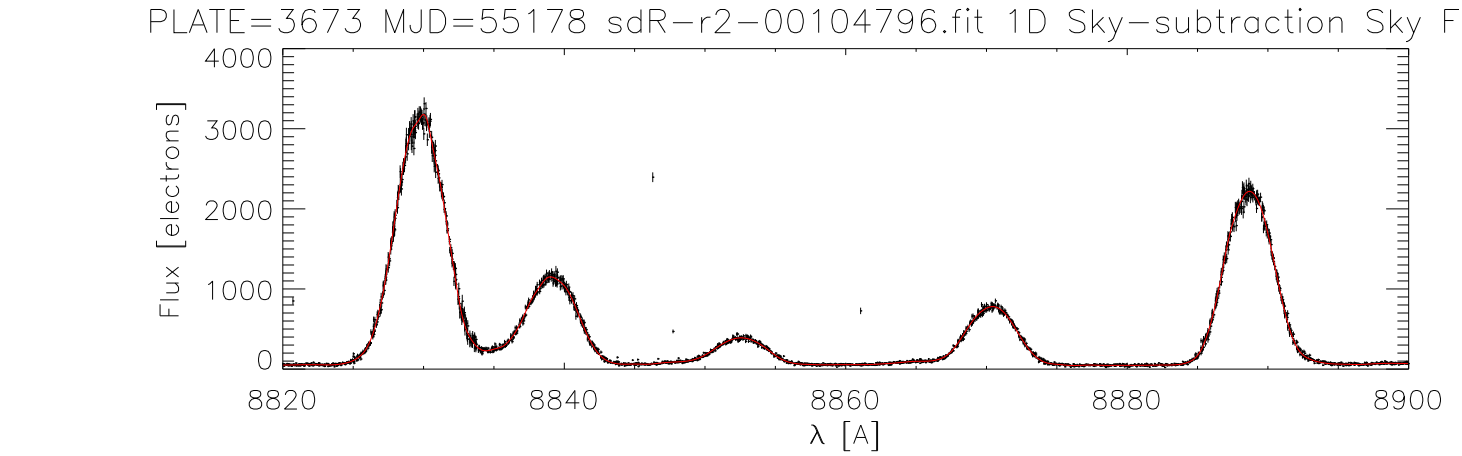

PLATE=3673 MJD=55178 Fiber−Flats for sdR−r2−00104794.fit
BLACK = Median value
ENVELOPE = 95% of points
GREEN = Outlier points
Min value = −4.266
Max value = 6.604
Fiber−Flat
1.5
1.0
0.5
0.0
6.0×10^3
7.0×10^3
8.0×10^3
9.0×10^3
1.0×10^4
1.1×10^4
λ [A]
Sat Aug 27 21:28:19 2011

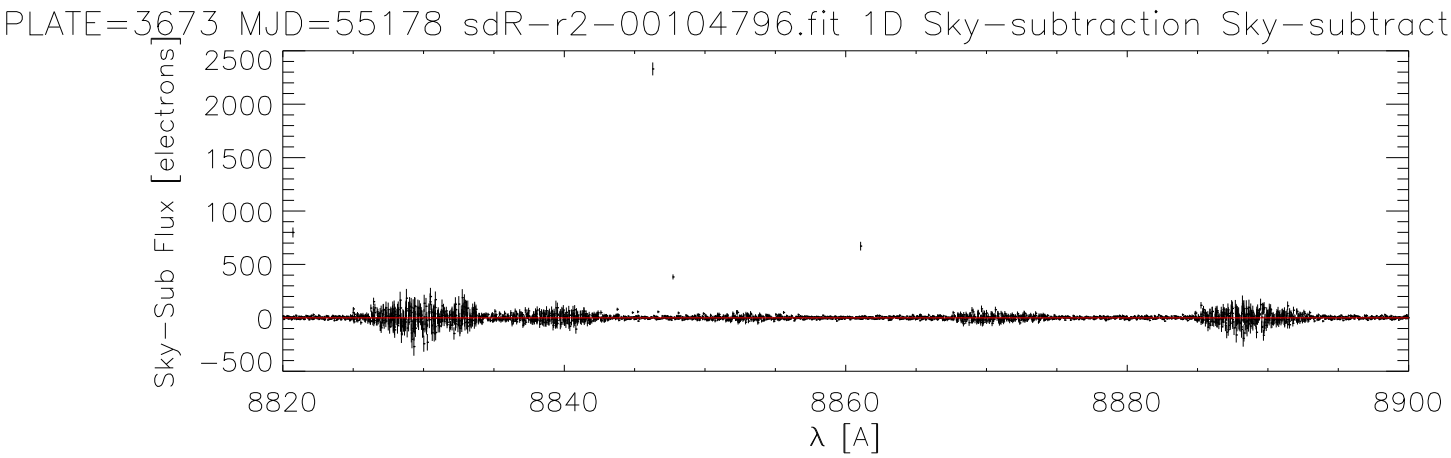

PLATE=3673 MJD=55178 Extraction chi^2 for sdR−r2−00104796.fit
BLACK = Final chisq extraction
χ^2
2.0
1.5
1.0
0.5
0.0
0
1000
2000
3000
4000
Row number


PLATE=3673 MJD=55178 Sky Line Deviations for sdR-r2-00104796.fit
1.00 pix
Before shift
After shift
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

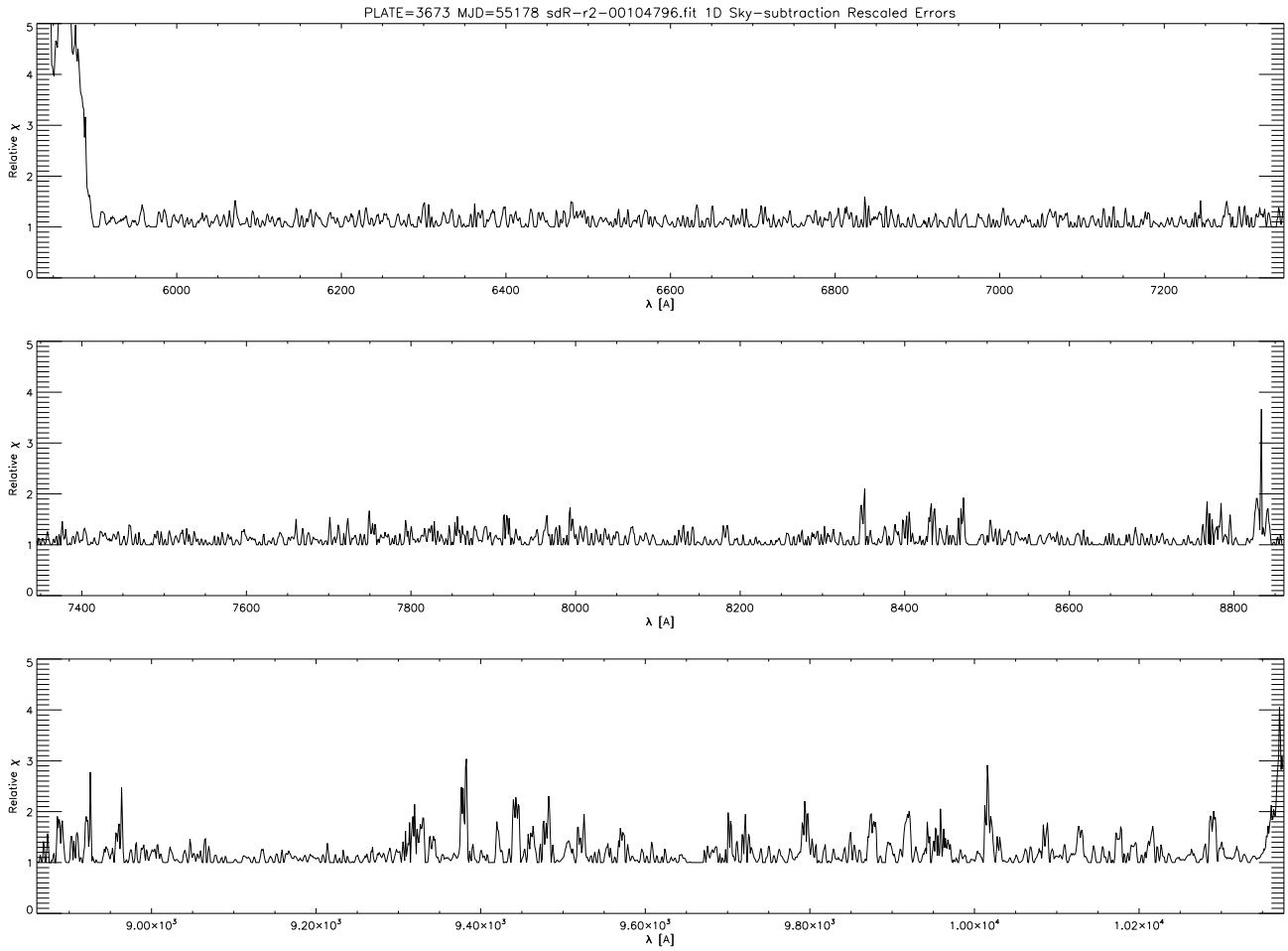

PLATE=3673 MJD=55178 Smooth superflat for sdR-r2-00104796.fit
2.0
1.5
1.0
0.5
0.0
1.04
1.02
1.00
0.98
0.96
6.0×10^3
7.0×10^3
8.0×10^3
9.0×10^3
1.0×10^4
1.1×10^4
Wavelength (Å)

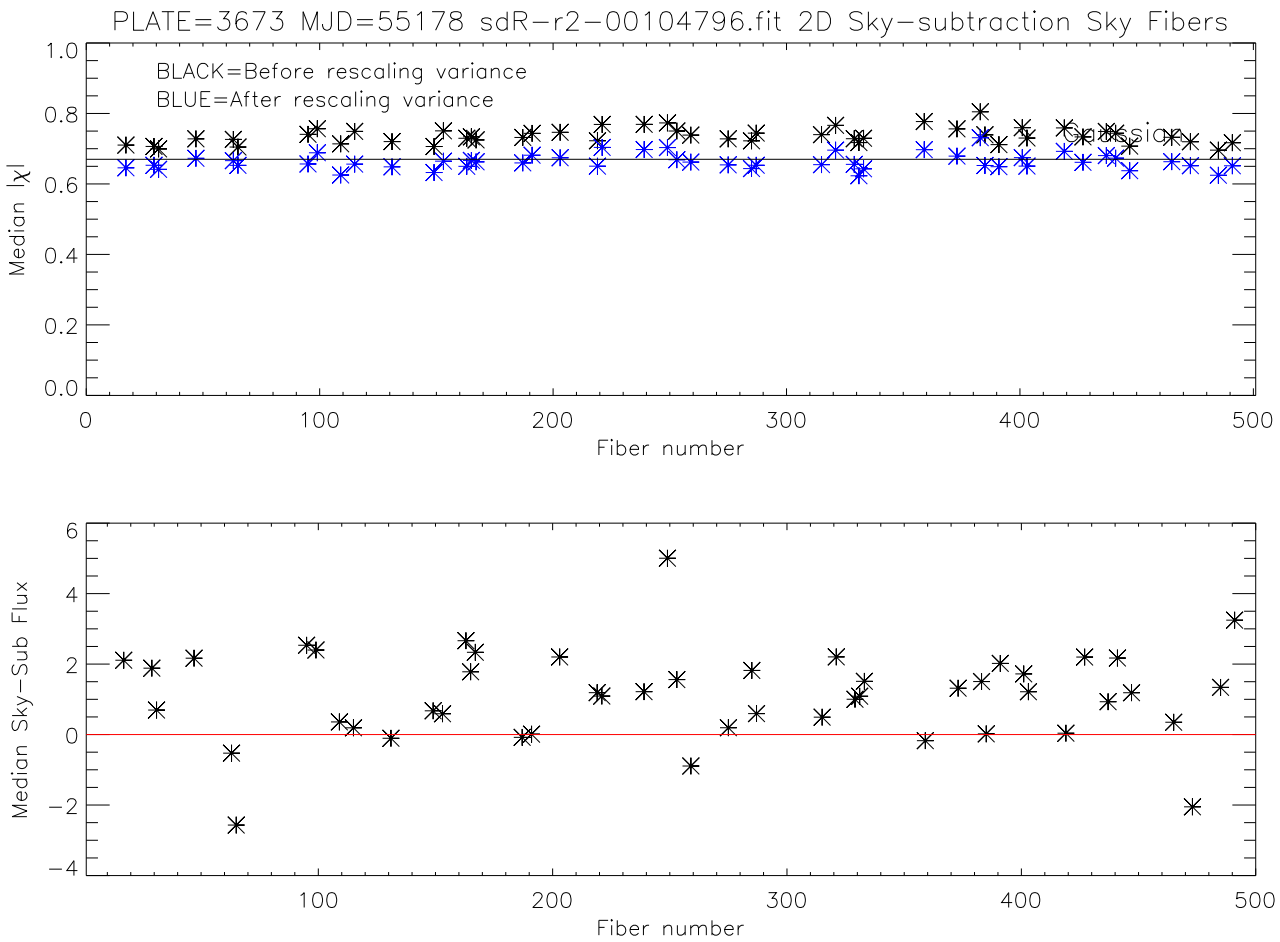

PLATE=3673 MJD=55178 sdR-r2-00104796.fit 1D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number


PLATE=3673 MJD=55178 sdR-r2-00104796.fit 1D Sky-subtraction Sky Fibers
Flux [electrons]
4000
3000
2000
1000
0
8820
8840
8860
8880
8900
λ [A]

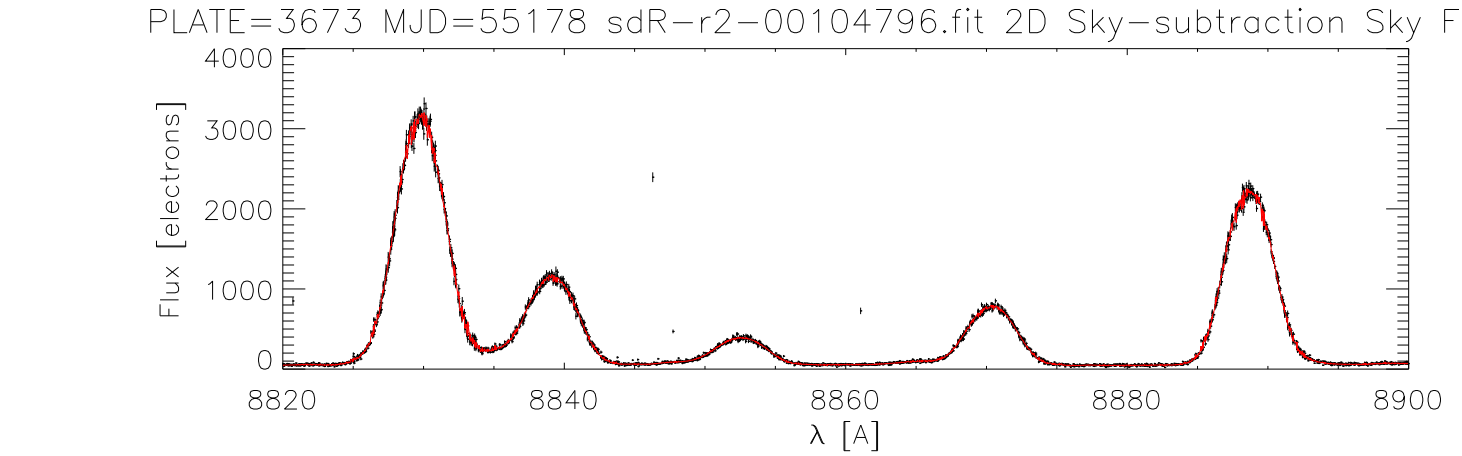

PLATE=3673 MJD=55178 sdR-r2-00104796.fit 1D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
2500
2000
1500
1000
500
0
-500
8820
8840
8860
8880
8900
λ [A]

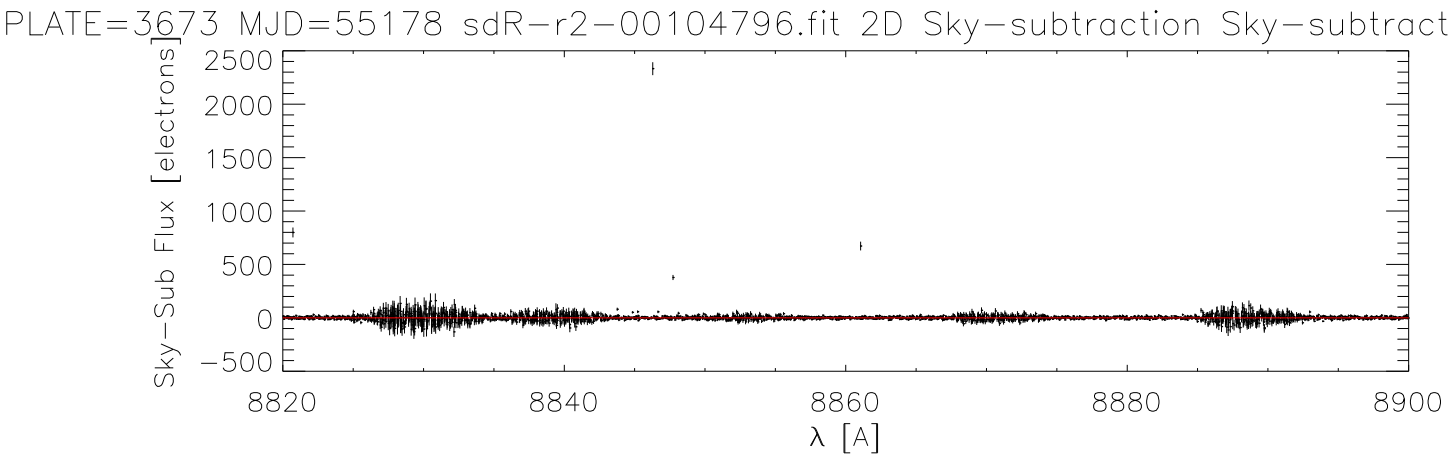
Number of sky fibers = 49



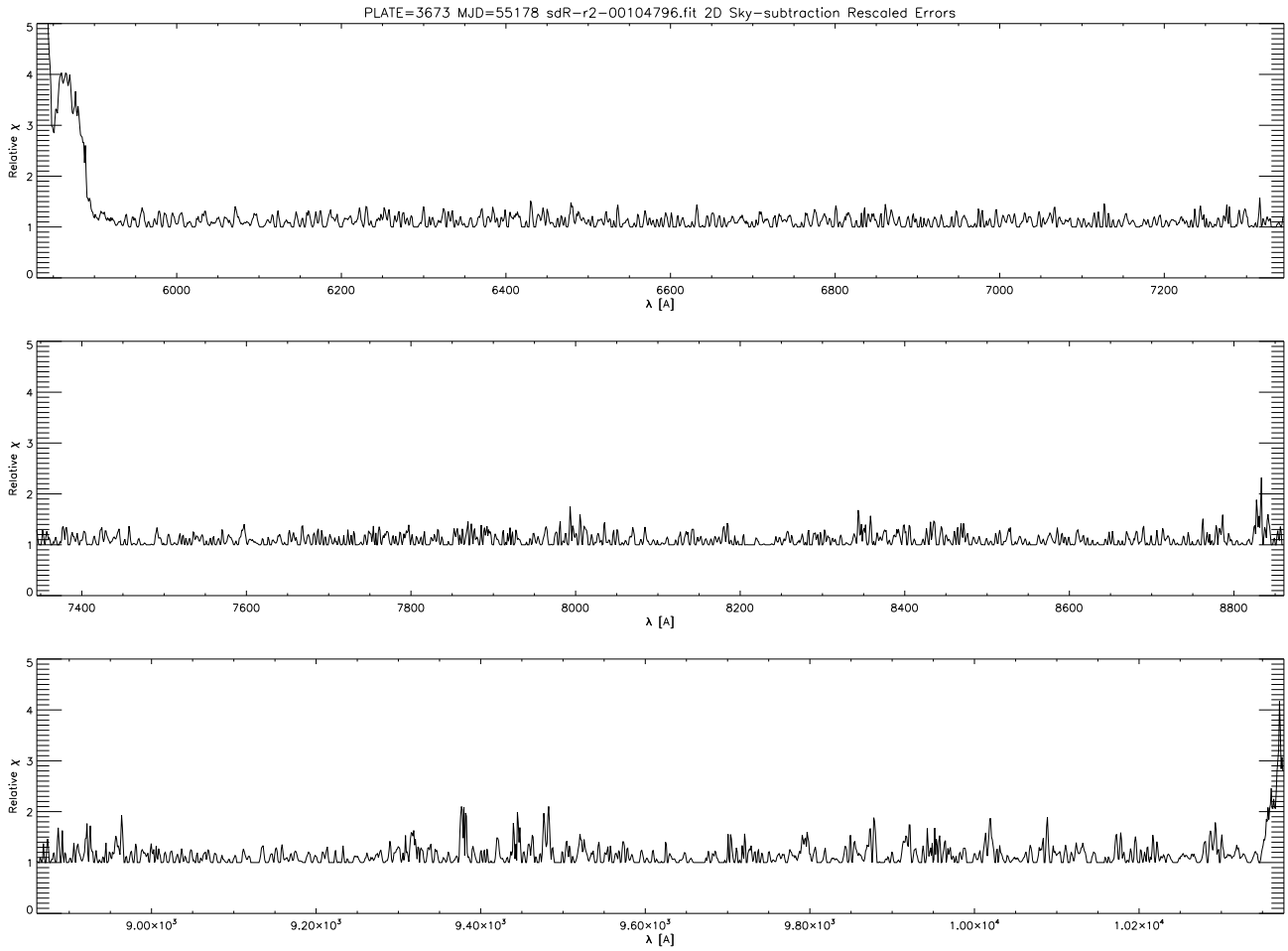

PLATE=3673 MJD=55178 sdR-r2-00104796.fit 2D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Median |χ|
Fiber number

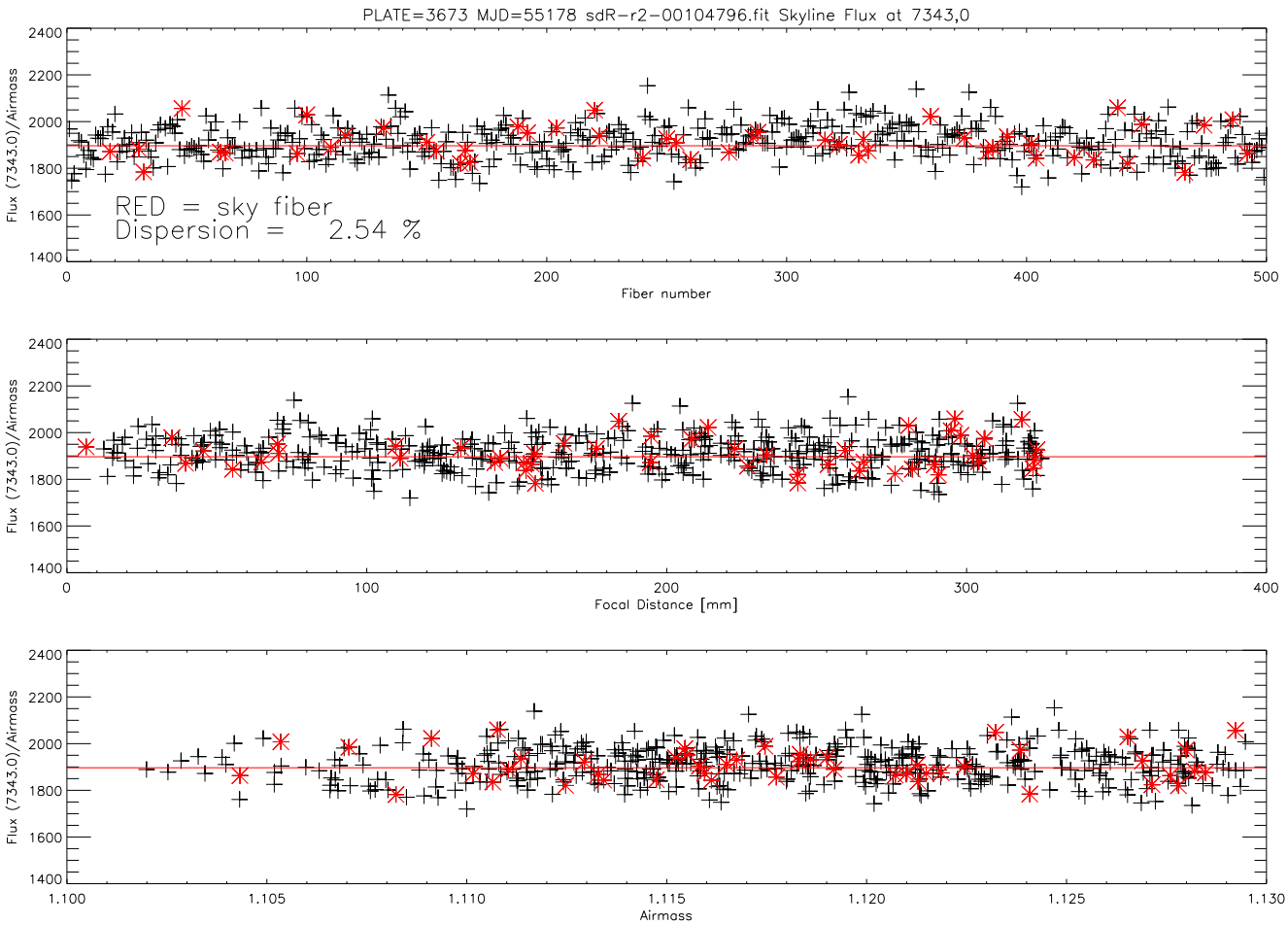
Median Sky-Sub Flux
Fiber number

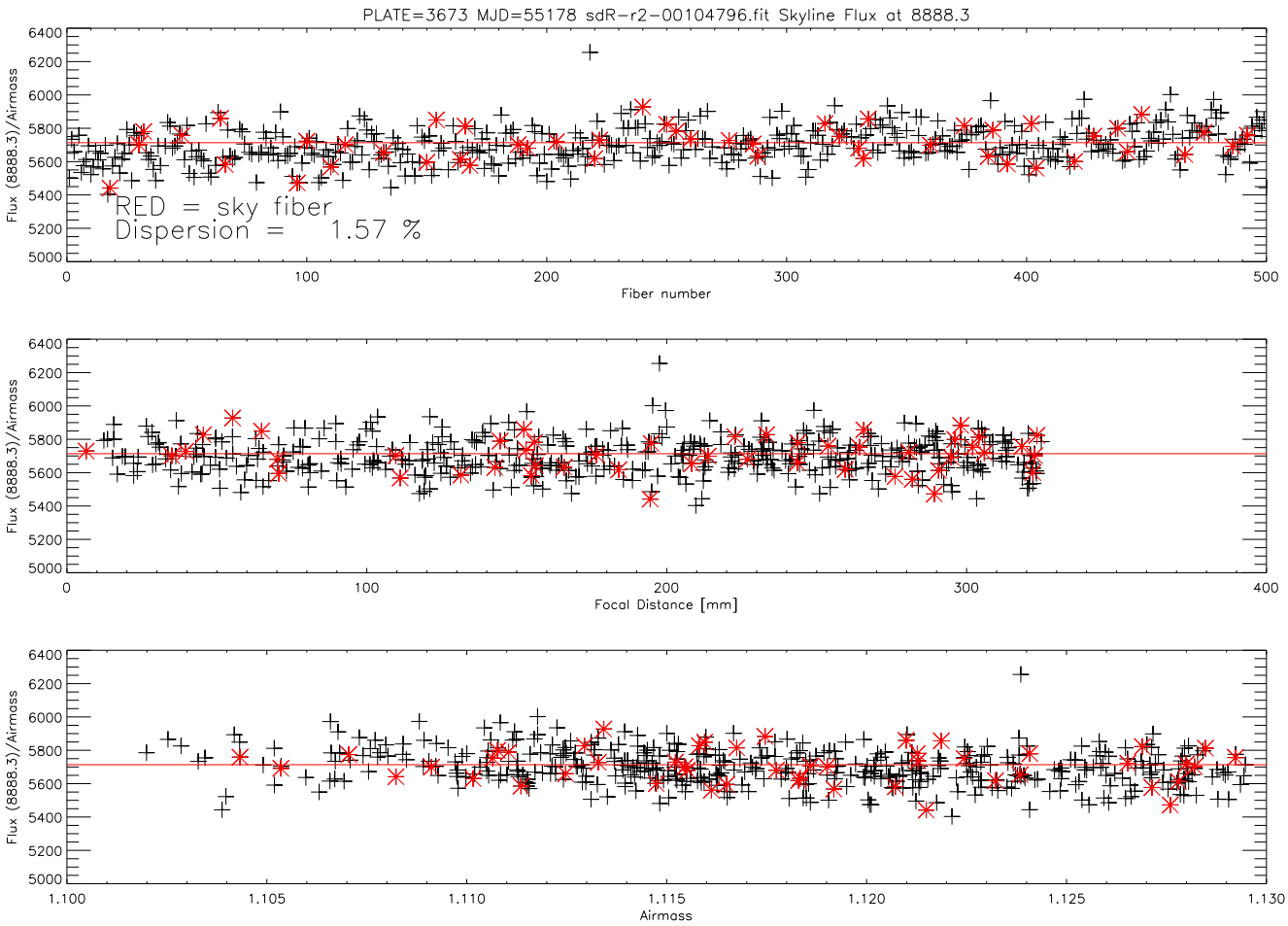

PLATE=3673 MJD=55178 sdR-r2-00104796.fit 2D Sky-subtraction Sky Fibers
Flux [electrons]
4000
3000
2000
1000
0
8820
8840
8860
8880
8900
λ [A]

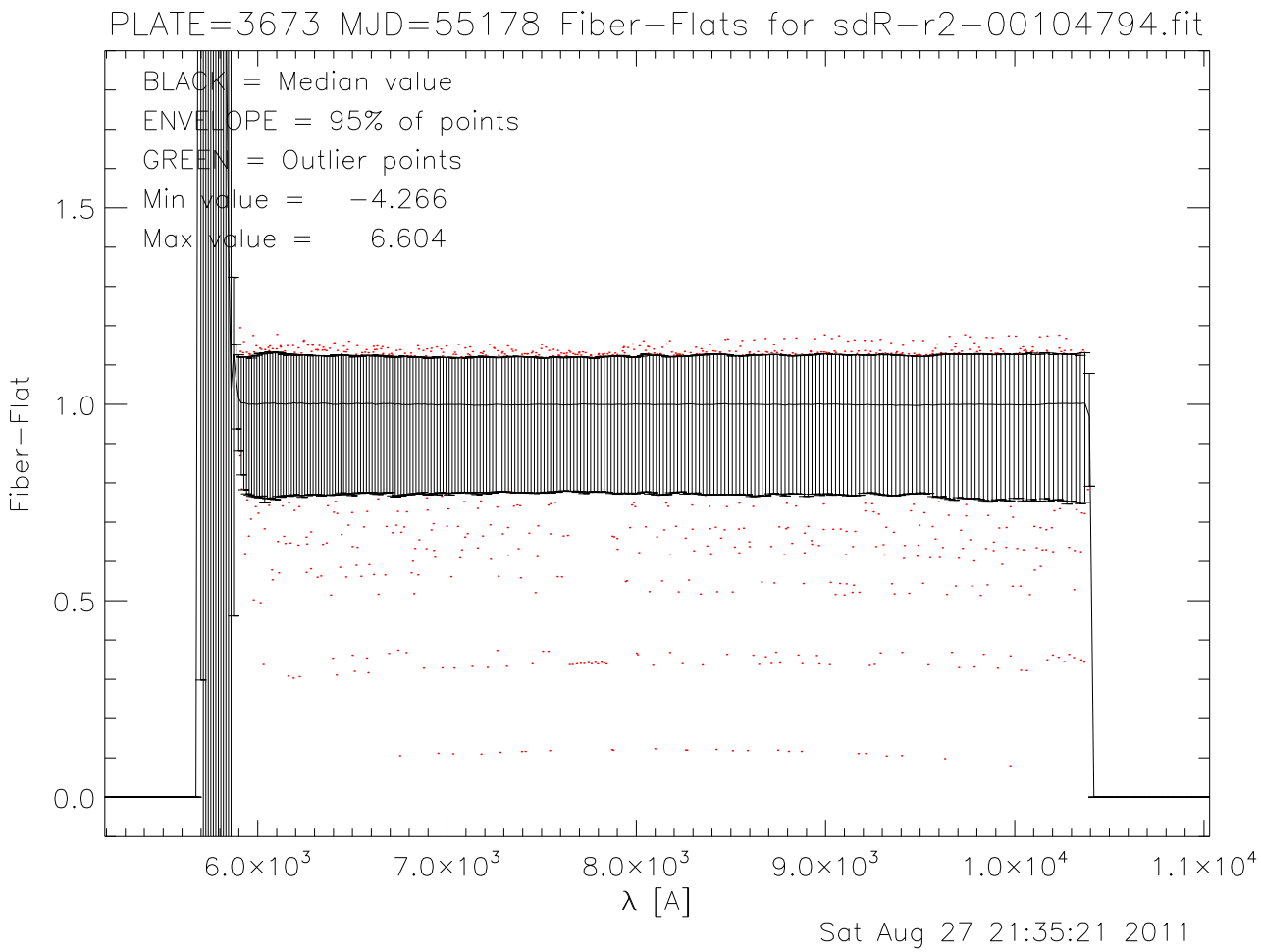

PLATE=3673 MJD=55178 sdR-r2-00104796.fit 2D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
2500
2000
1500
1000
500
0
-500
8820
8840
8860
8880
8900
λ [A]

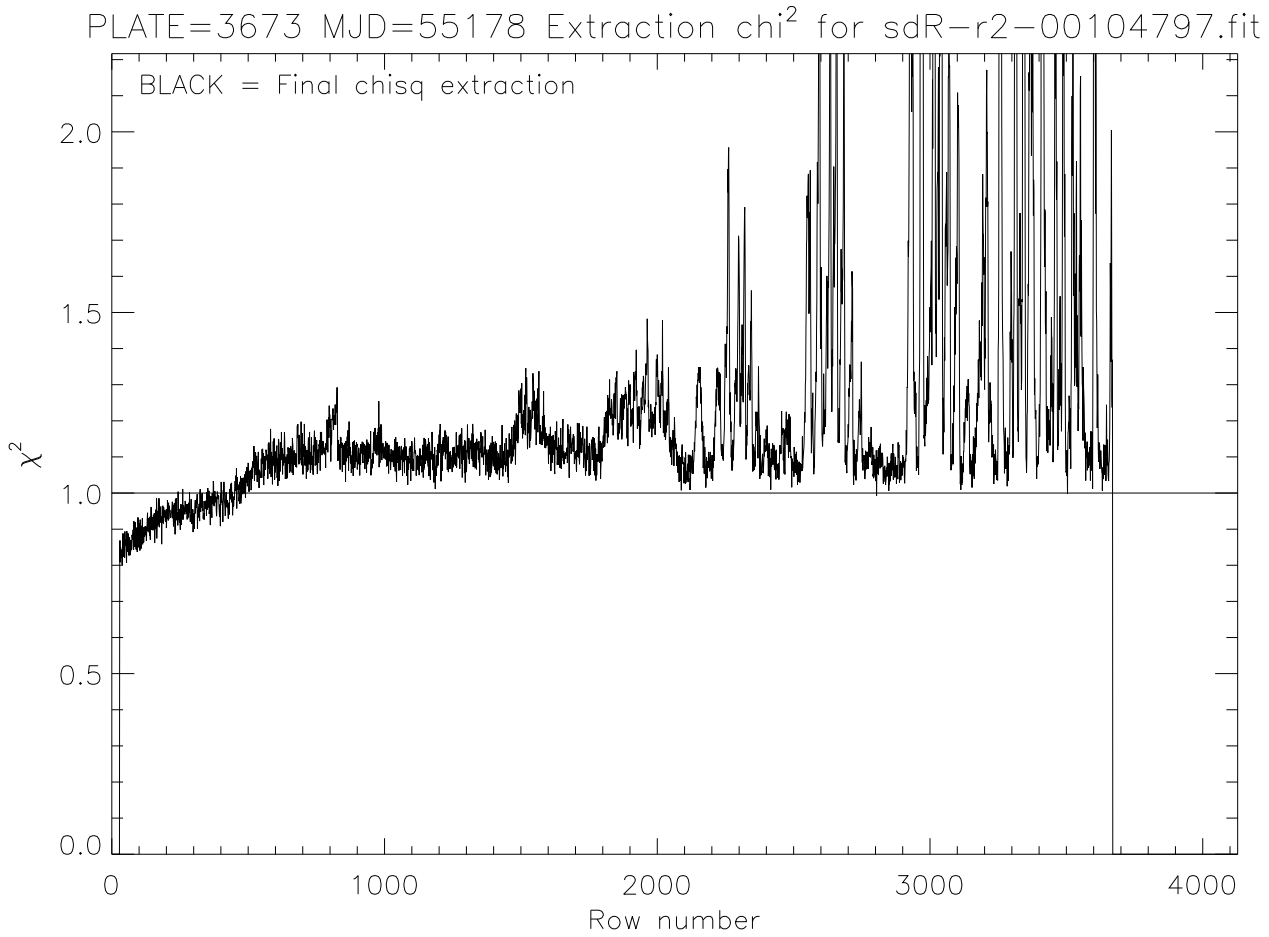
Number of sky fibers = 49

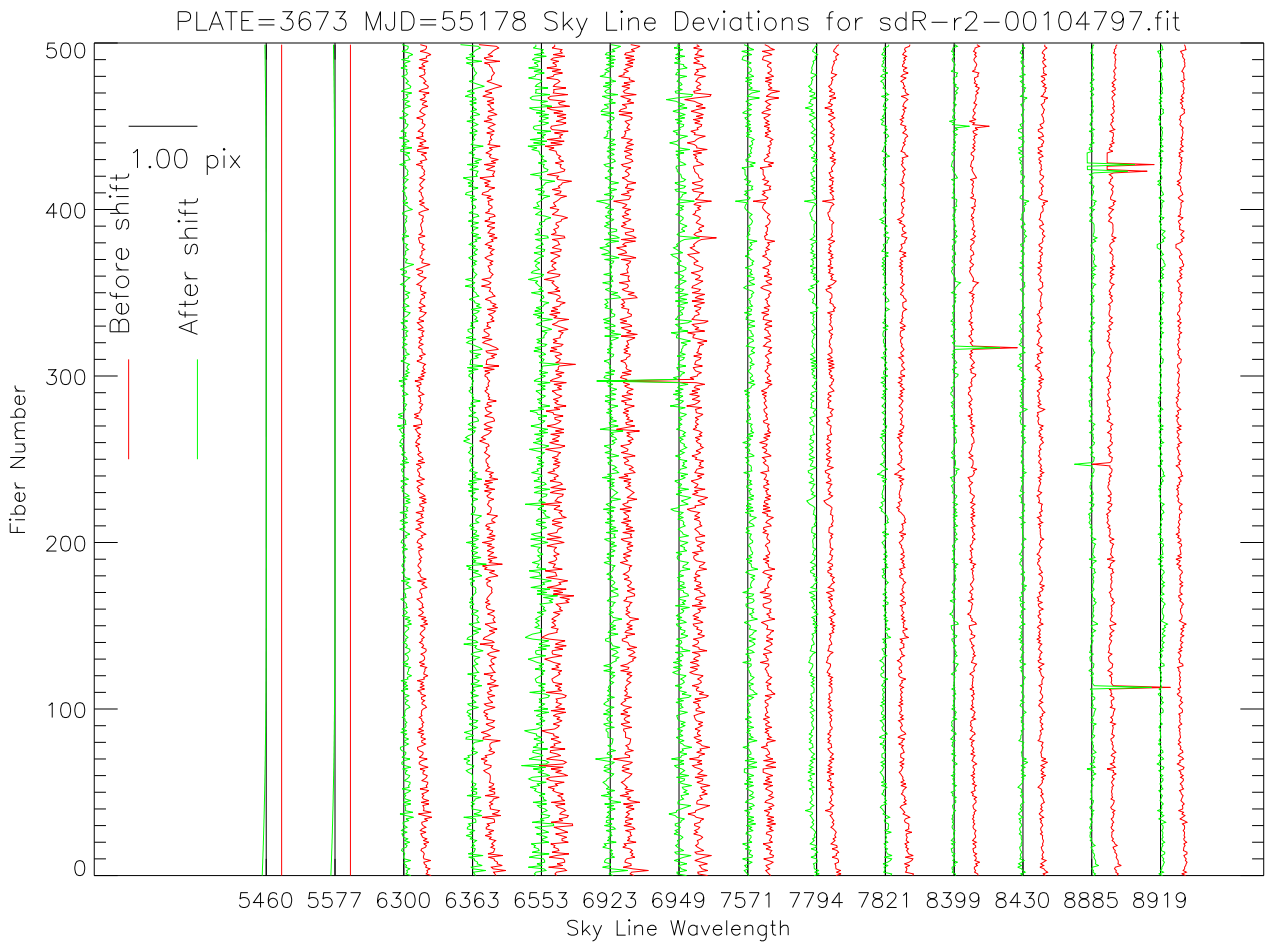


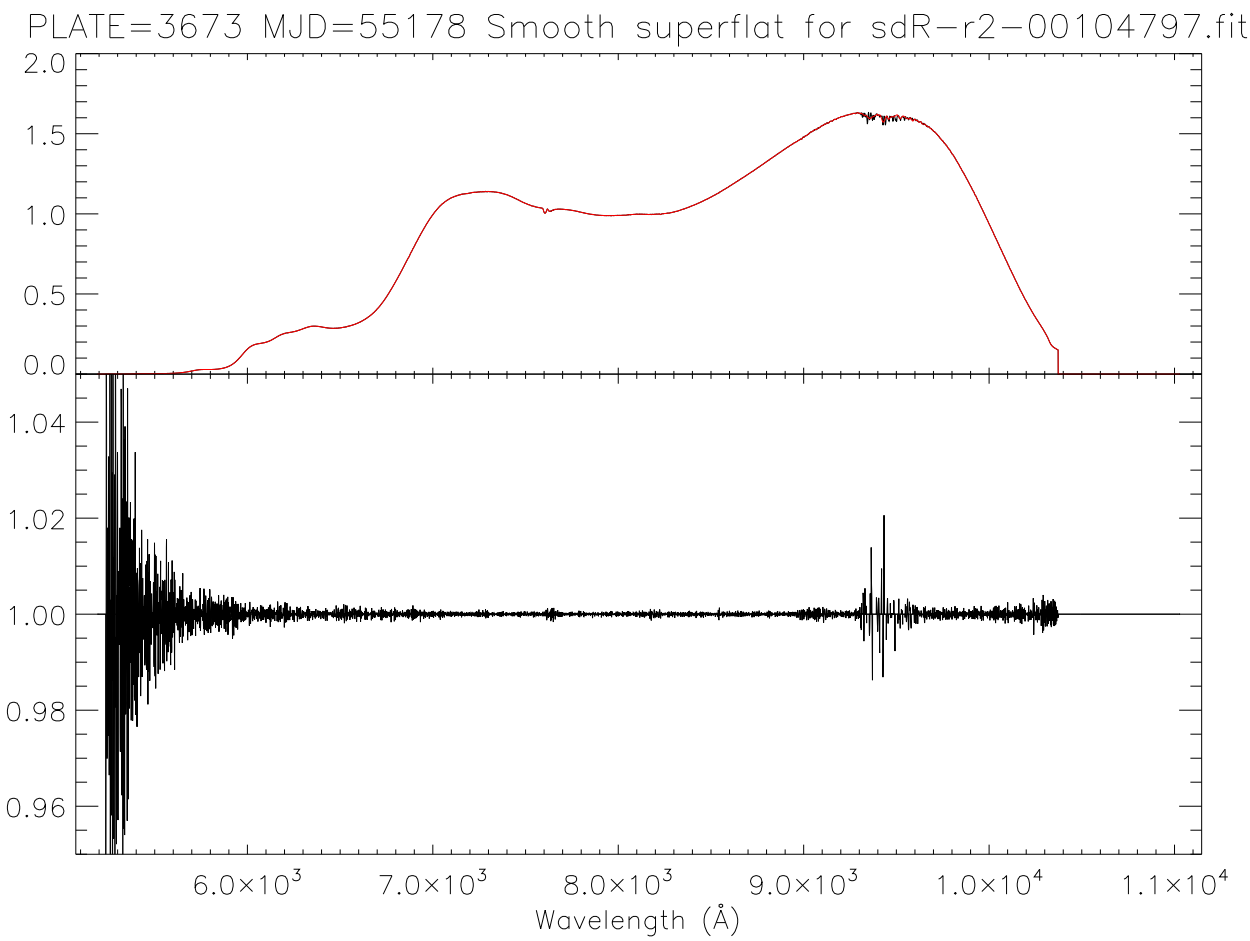

PLATE=3673 MJD=55178 sdR-r2-00104796.fit Skyline Flux at 7343,0
Flux (7343.0)/Airmass
RED = sky fiber
Dispersion = 2.54 %
Fiber number
Focal Distance [mm]
Airmass

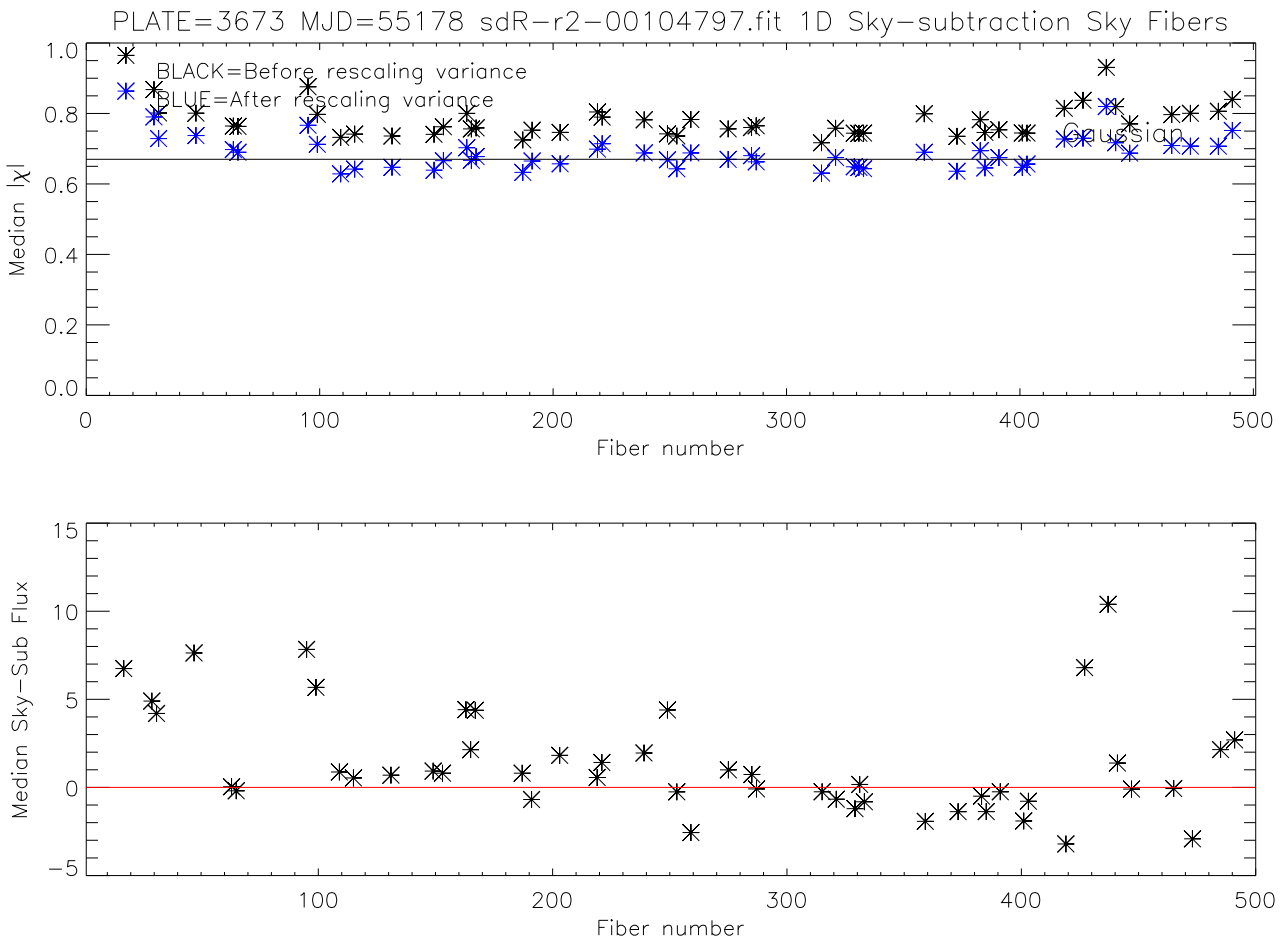

PLATE=3673 MJD=55178 sdR-r2-00104796.fit Skyline Flux at 8888.3
Flux (8888.3)/Airmass
RED = sky fiber
Dispersion = 1.57 %
Fiber number
Flux (8888.3)/Airmass
Focal Distance [mm]
Flux (8888.3)/Airmass
Airmass

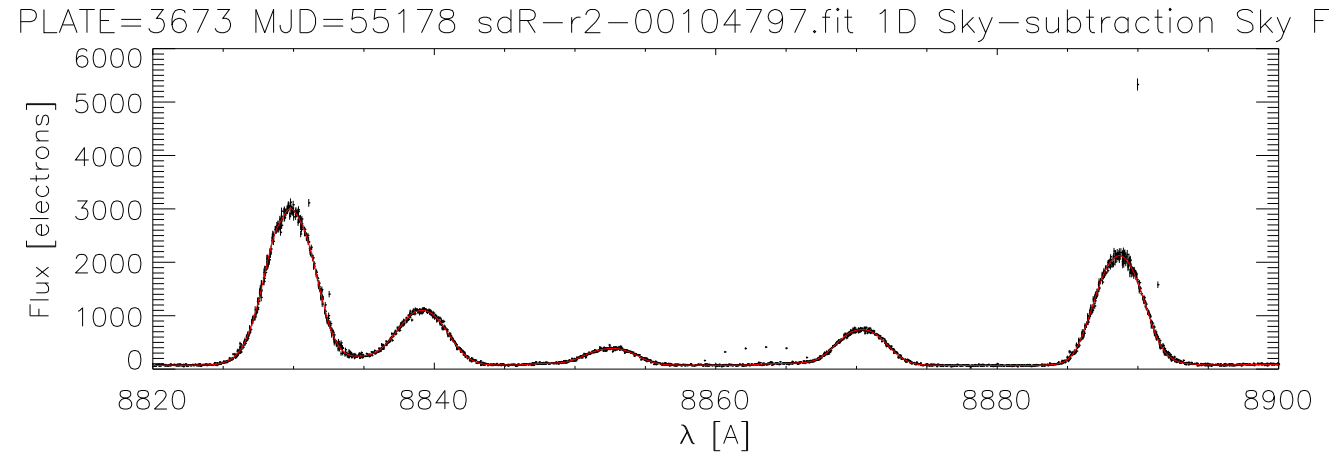

PLATE=3673 MJD=55178 Fiber−Flats for sdR−r2−00104794.fit
BLACK = Median value
ENVELOPE = 95% of points
GREEN = Outlier points
Min value = −4.266
Max value = 6.604
Fiber−Flat
1.5
1.0
0.5
0.0
6.0×10^3
7.0×10^3
8.0×10^3
9.0×10^3
1.0×10^4
1.1×10^4
λ [A]
Sat Aug 27 21:35:21 2011

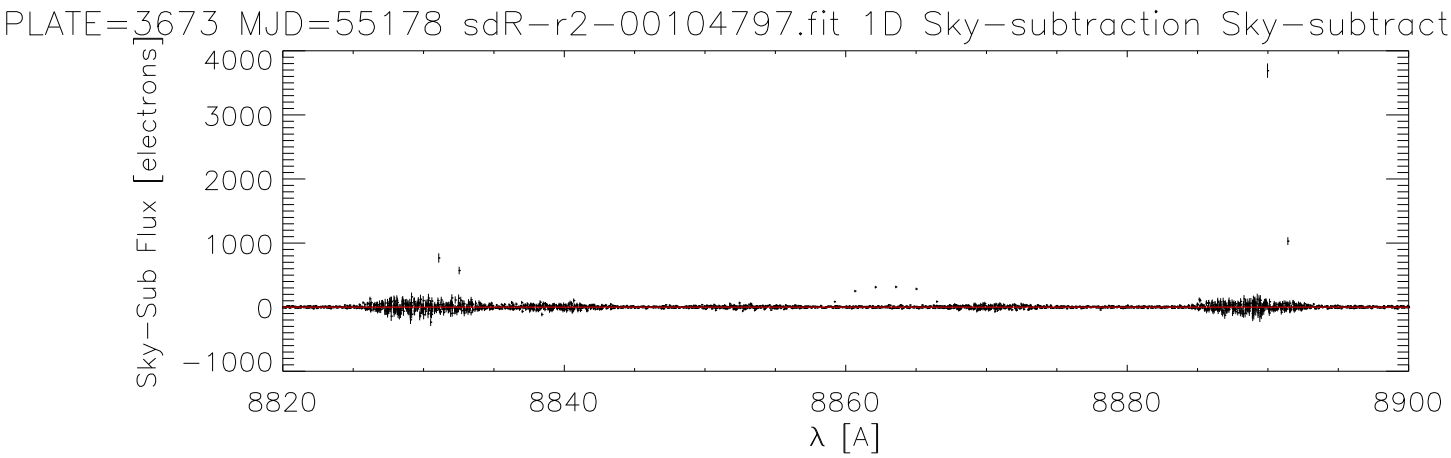

PLATE=3673 MJD=55178 Extraction chi^2 for sdR−r2−00104797.fit
BLACK = Final chisq extraction
χ^2
2.0
1.5
1.0
0.5
0.0
0
1000
2000
3000
4000
Row number


PLATE=3673 MJD=55178 Sky Line Deviations for sdR-r2-00104797.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

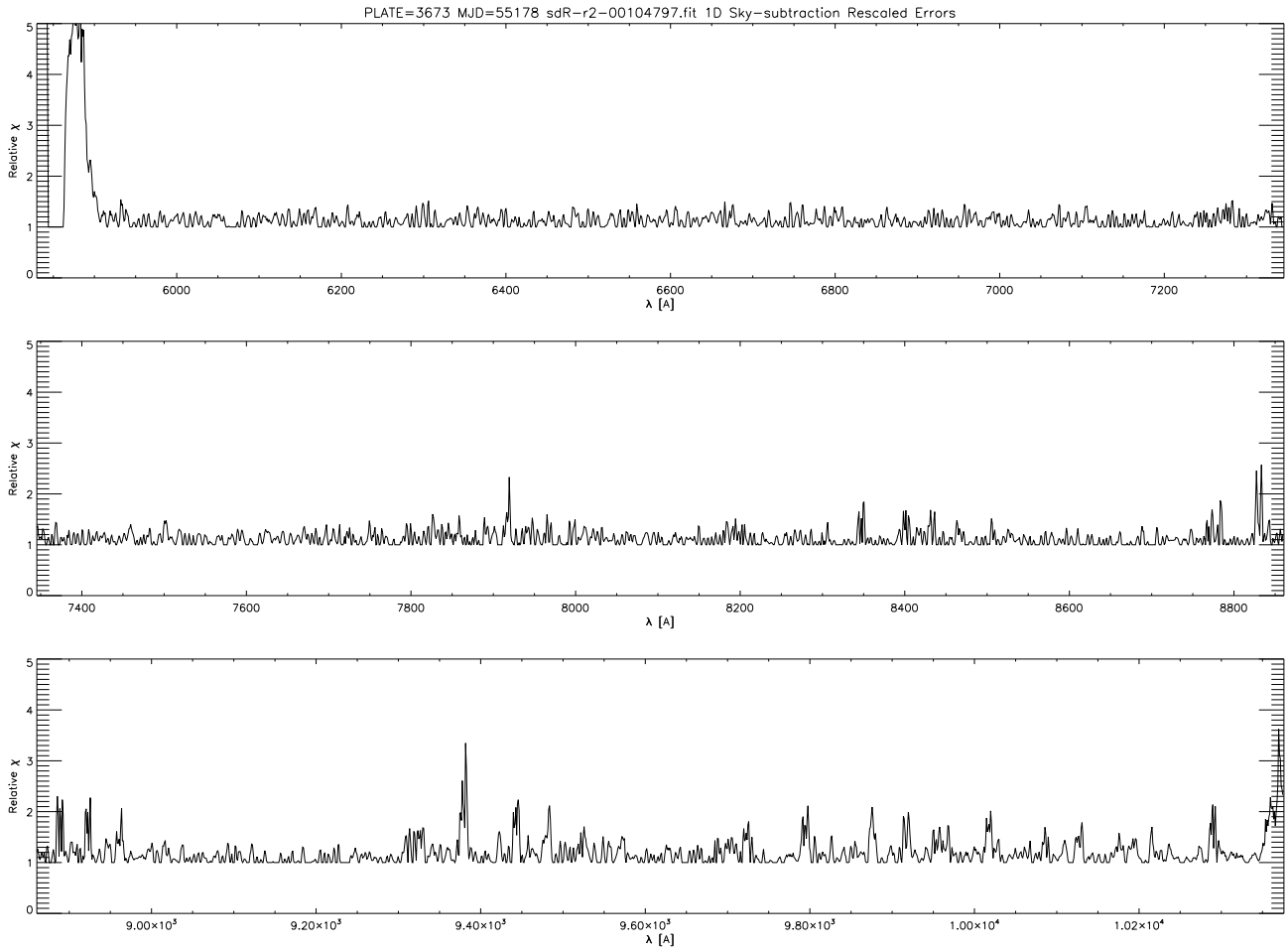

PLATE=3673 MJD=55178 Smooth superflat for sdR-r2-00104797.fit
2.0
1.5
1.0
0.5
0.0
1.04
1.02
1.00
0.98
0.96
6.0×10^3
7.0×10^3
8.0×10^3
9.0×10^3
1.0×10^4
1.1×10^4
Wavelength (Å)

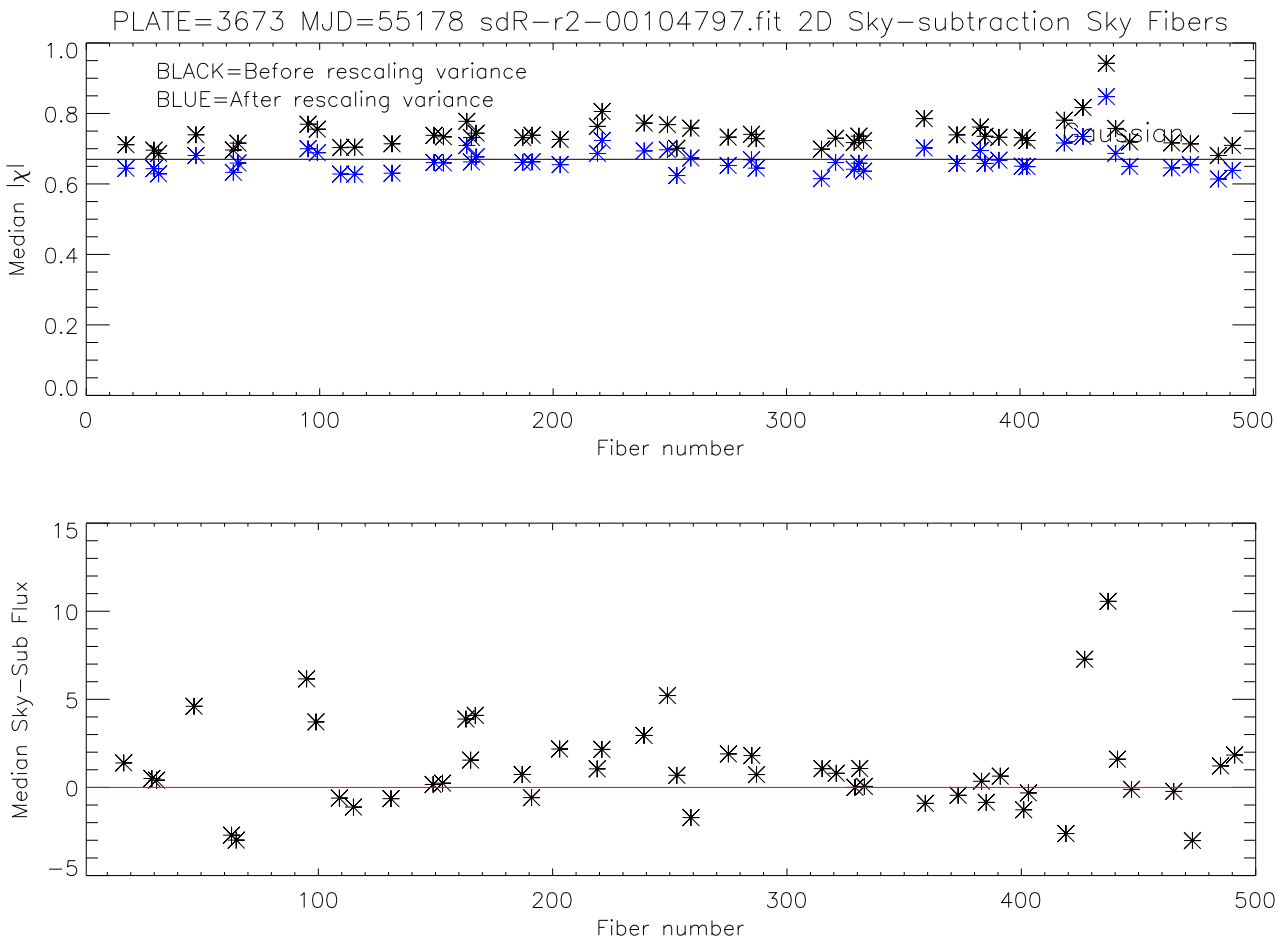

PLATE=3673 MJD=55178 sdR-r2-00104797.fit 1D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

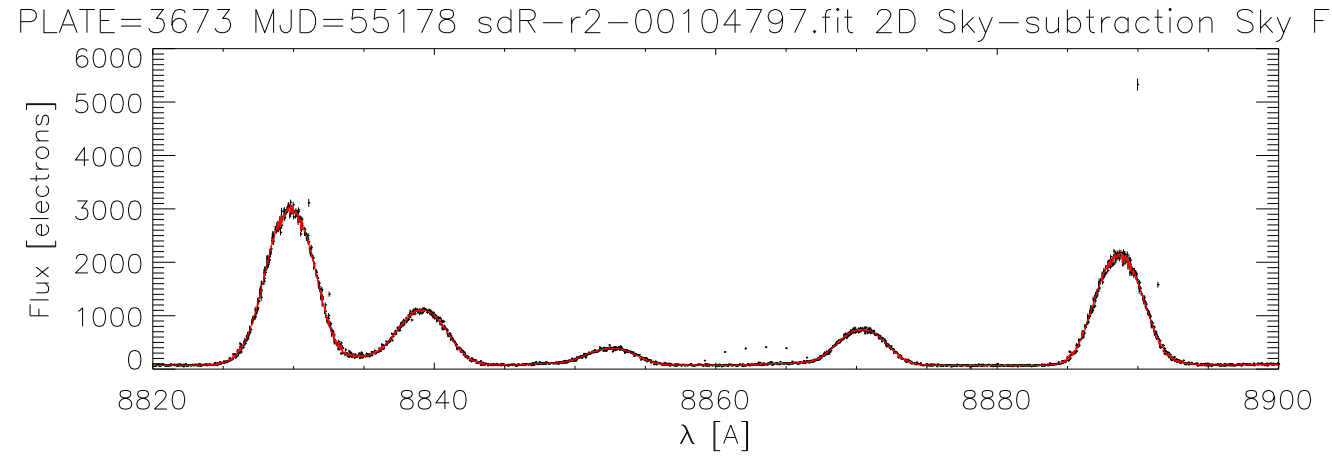

PLATE=3673 MJD=55178 sdR-r2-00104797.fit 1D Sky-subtraction Sky Fibers
Flux [electrons]
6000
5000
4000
3000
2000
1000
0
8820
8840
8860
8880
8900
λ [A]

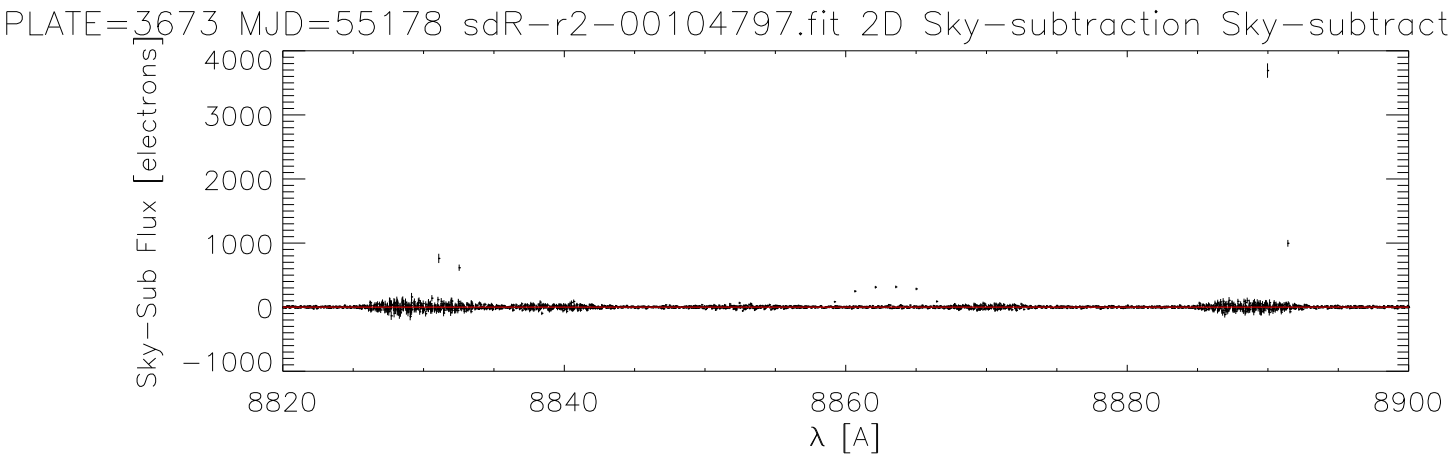

PLATE=3673 MJD=55178 sdR-r2-00104797.fit 1D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
4000
3000
2000
1000
0
-1000
8820
8840
8860
8880
8900
λ [A]

Number of sky fibers = 49

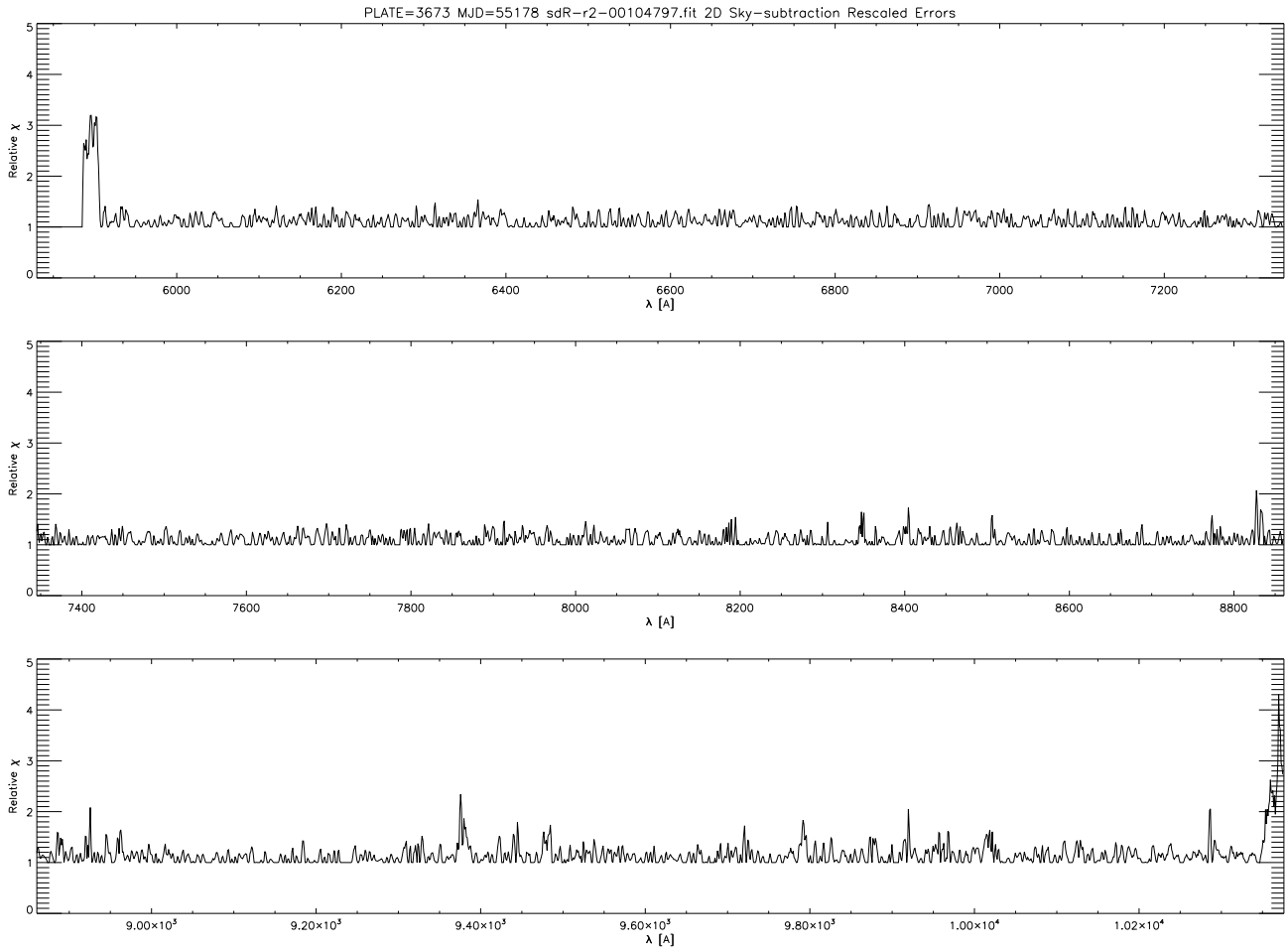


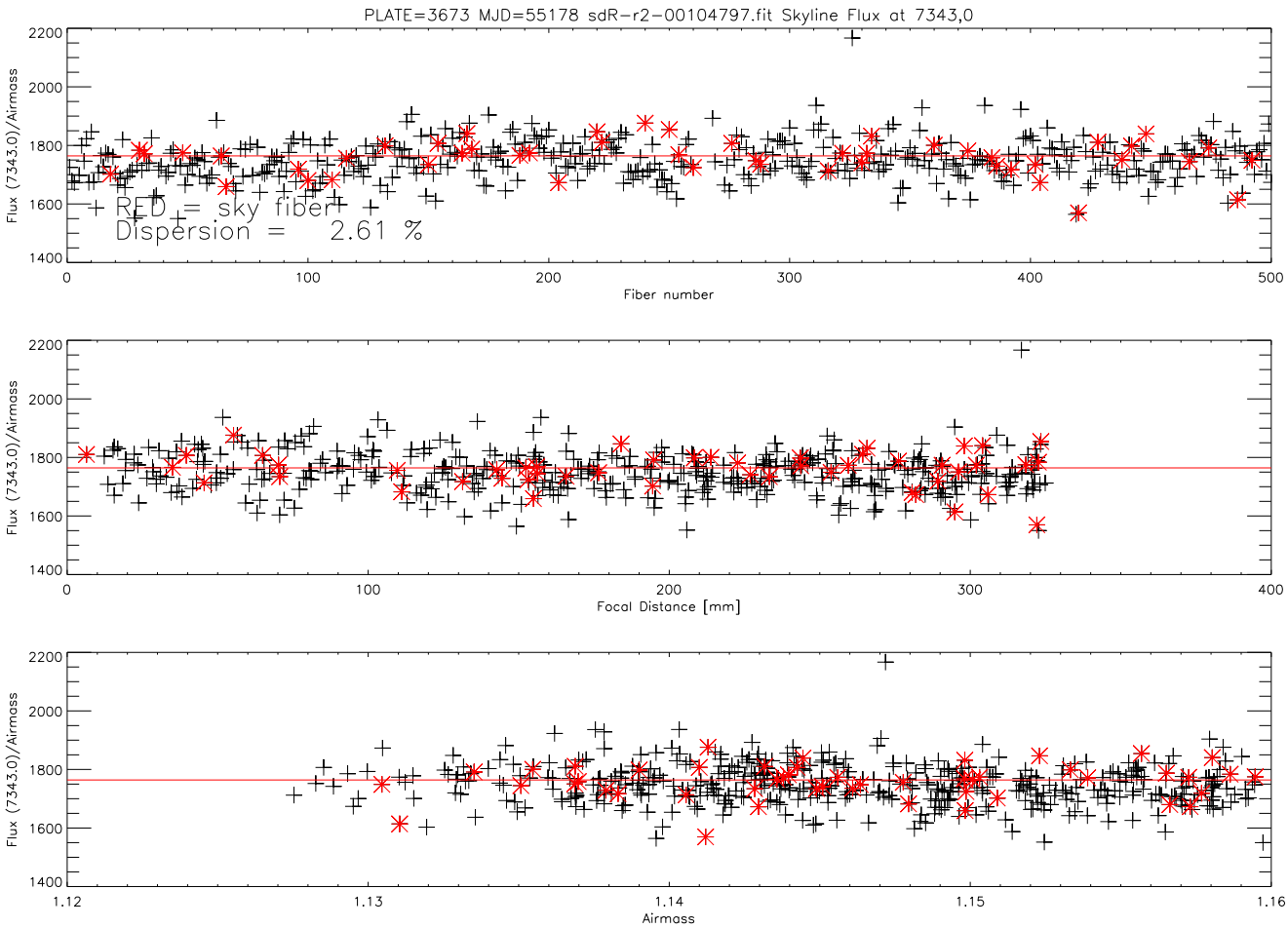

PLATE=3673 MJD=55178 sdR-r2-00104797.fit 2D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

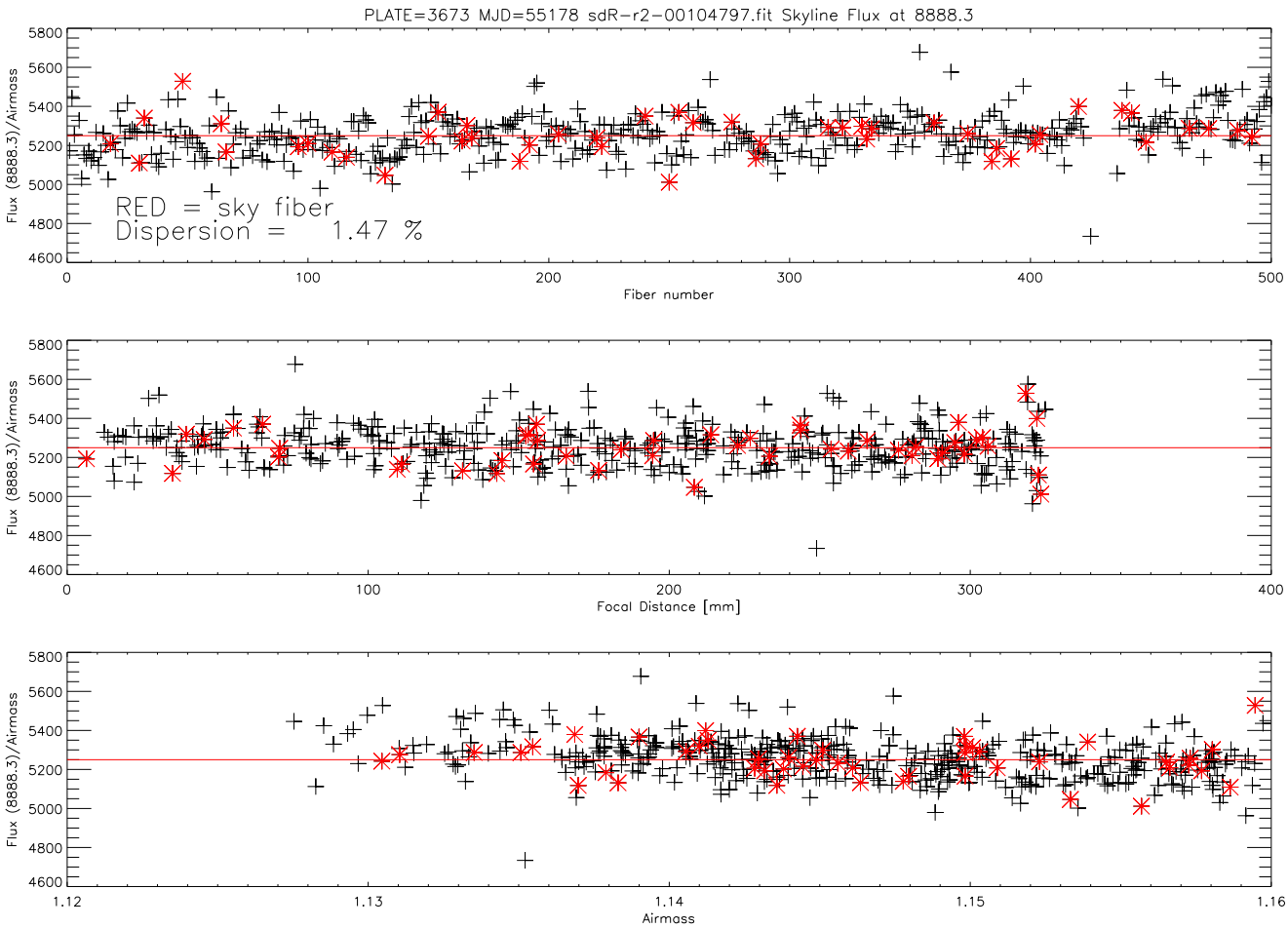

PLATE=3673 MJD=55178 sdR-r2-00104797.fit 2D Sky-subtraction Sky Fibers
Flux [electrons]
6000
5000
4000
3000
2000
1000
0
8820
8840
8860
8880
8900
λ [A]

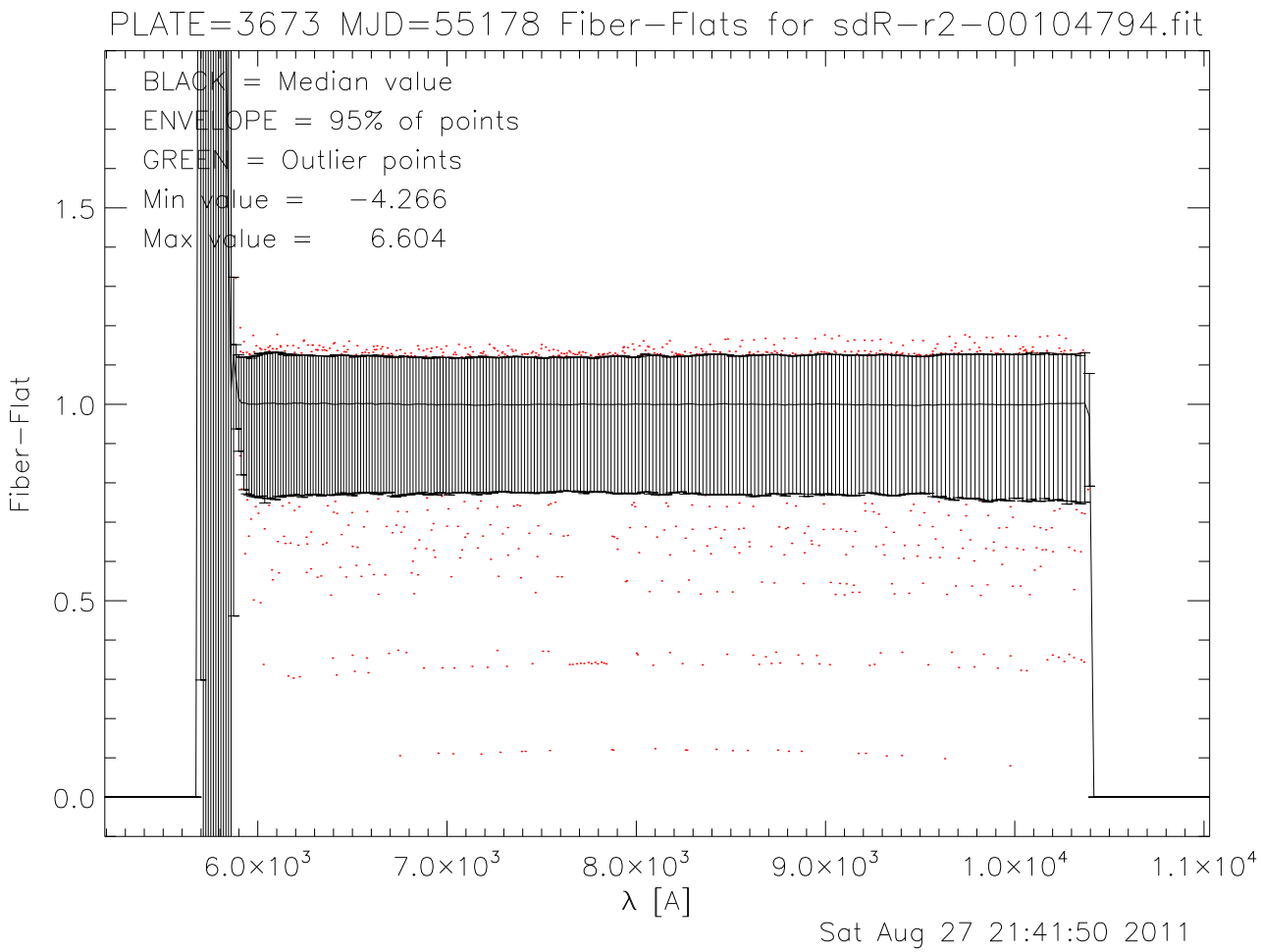

PLATE=3673 MJD=55178 sdR-r2-00104797.fit 2D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
4000
3000
2000
1000
0
-1000
8820
8840
8860
8880
8900
λ [A]

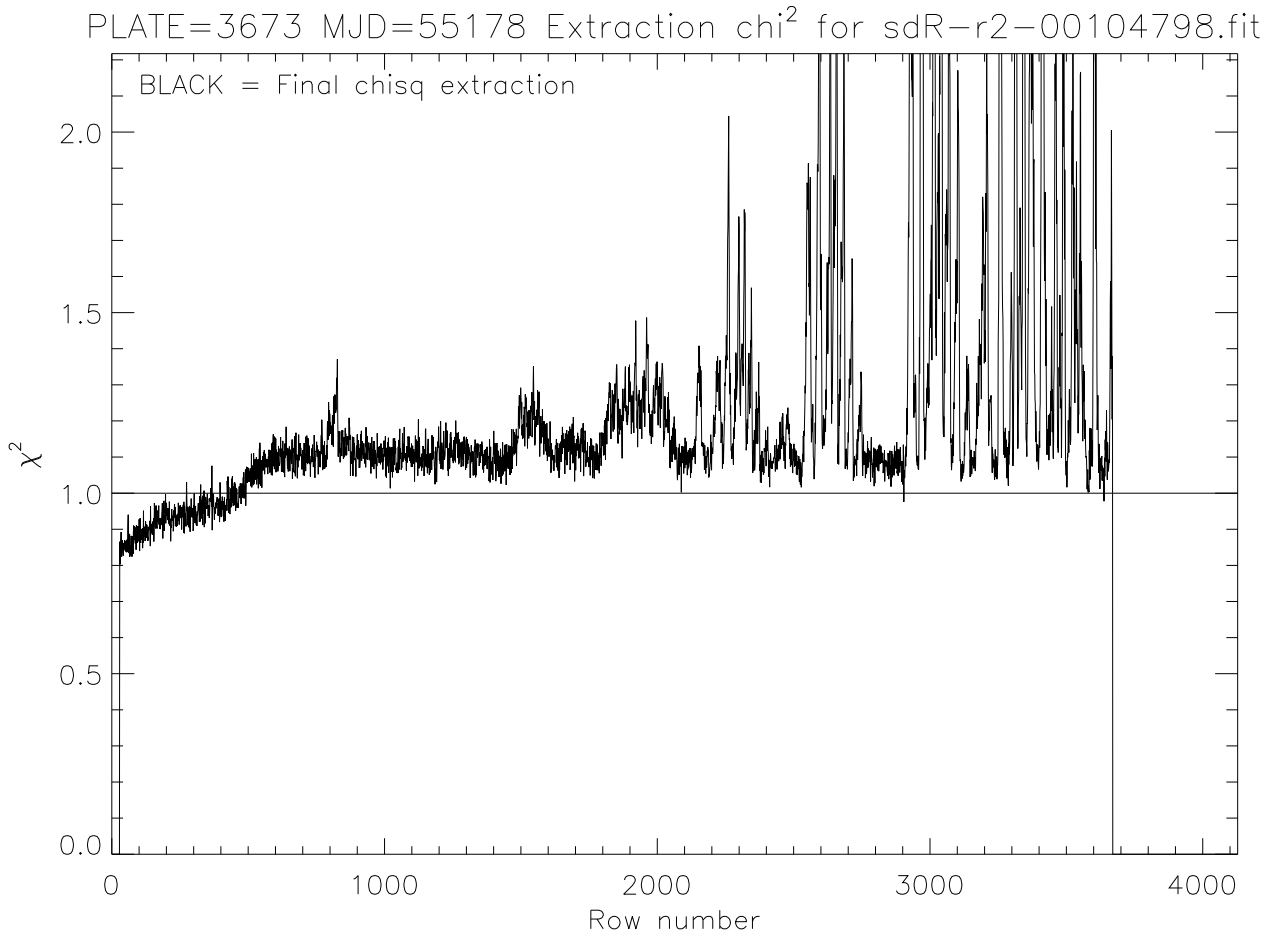
Number of sky fibers = 49

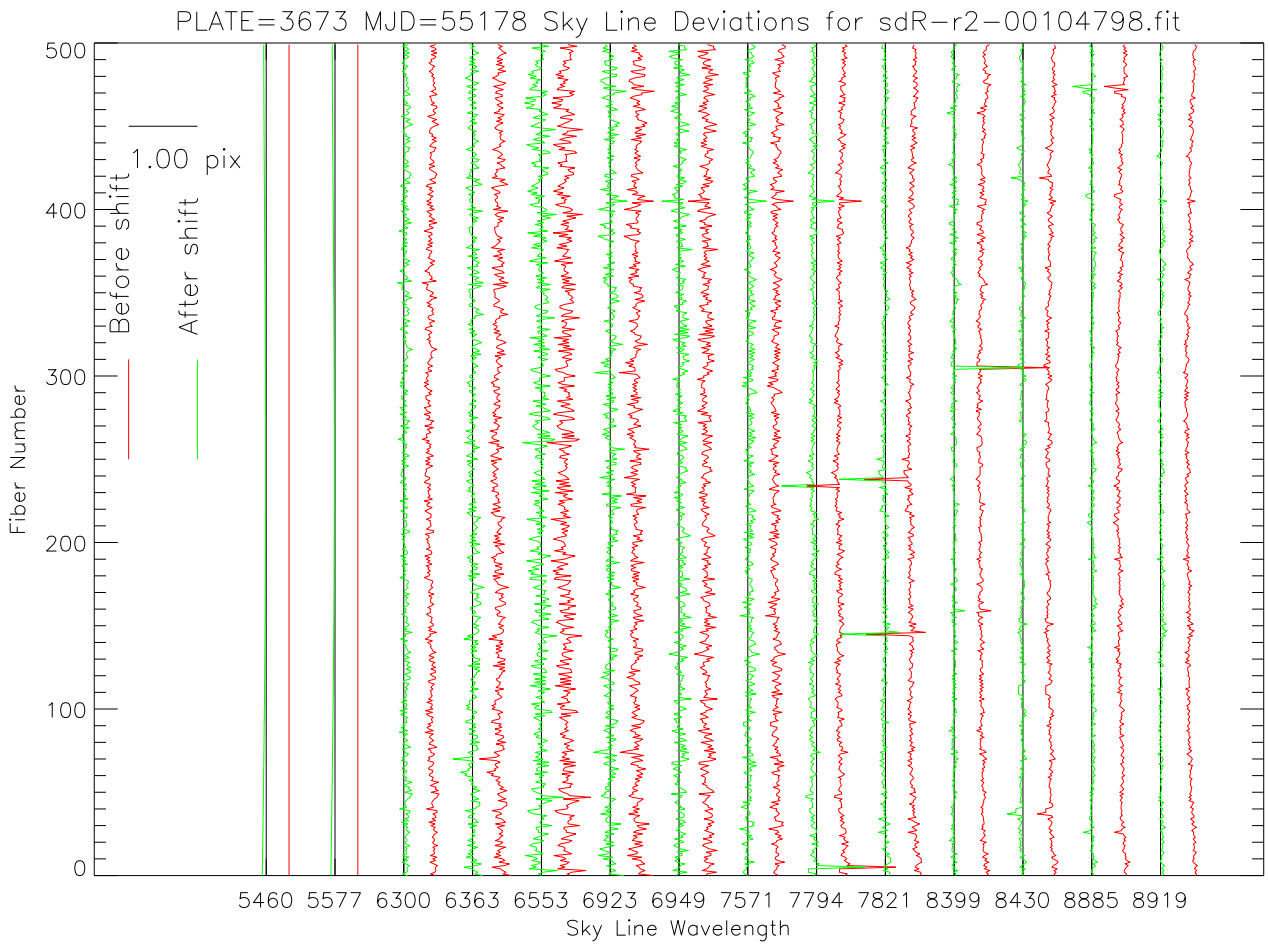


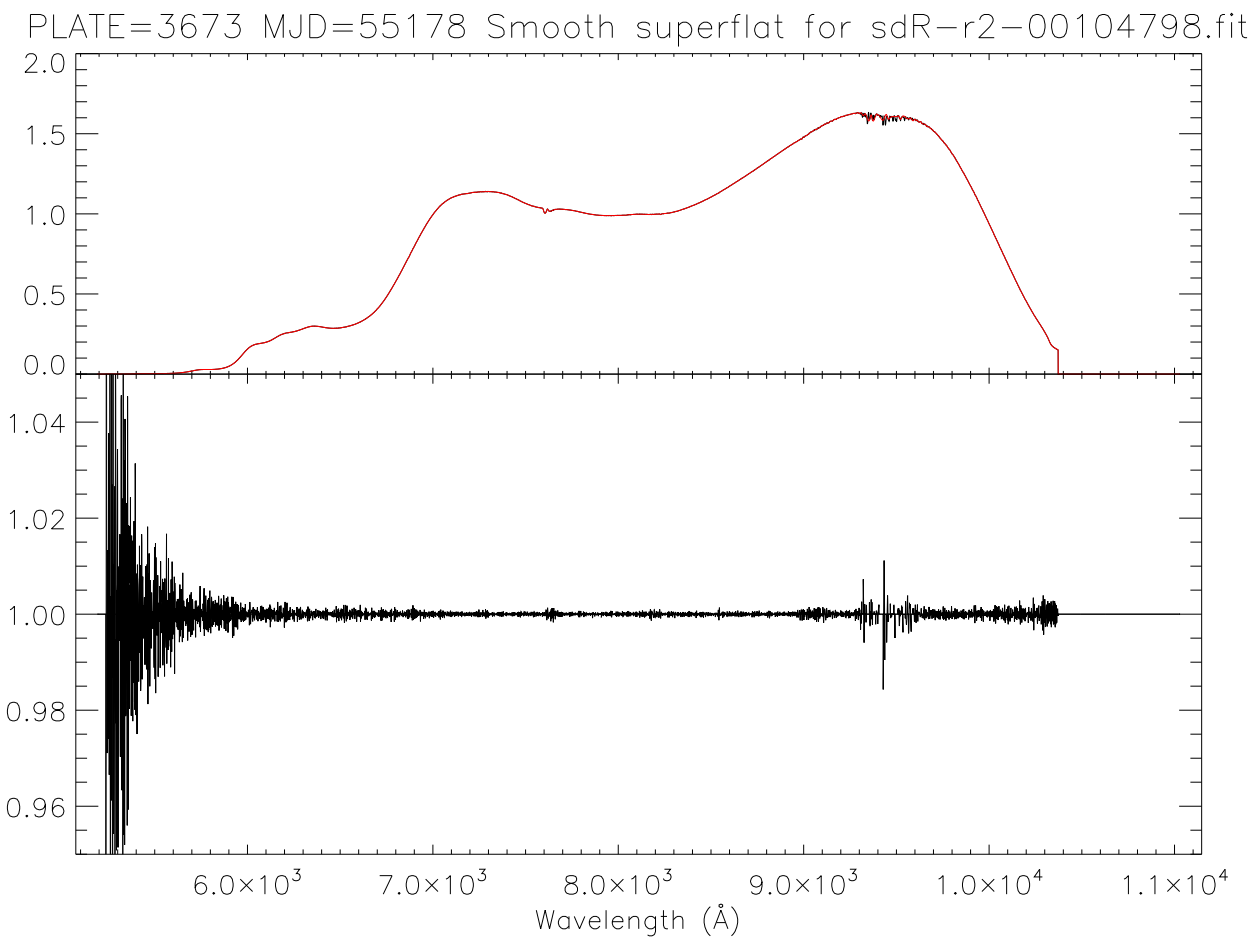

PLATE=3673 MJD=55178 sdR-r2-00104797.fit Skyline Flux at 7343,0
Flux (7343.0)/Airmass
Fiber number
RED = sky fiber
Dispersion = 2.61 %
Flux (7343.0)/Airmass
Focal Distance [mm]
Flux (7343.0)/Airmass
Airmass

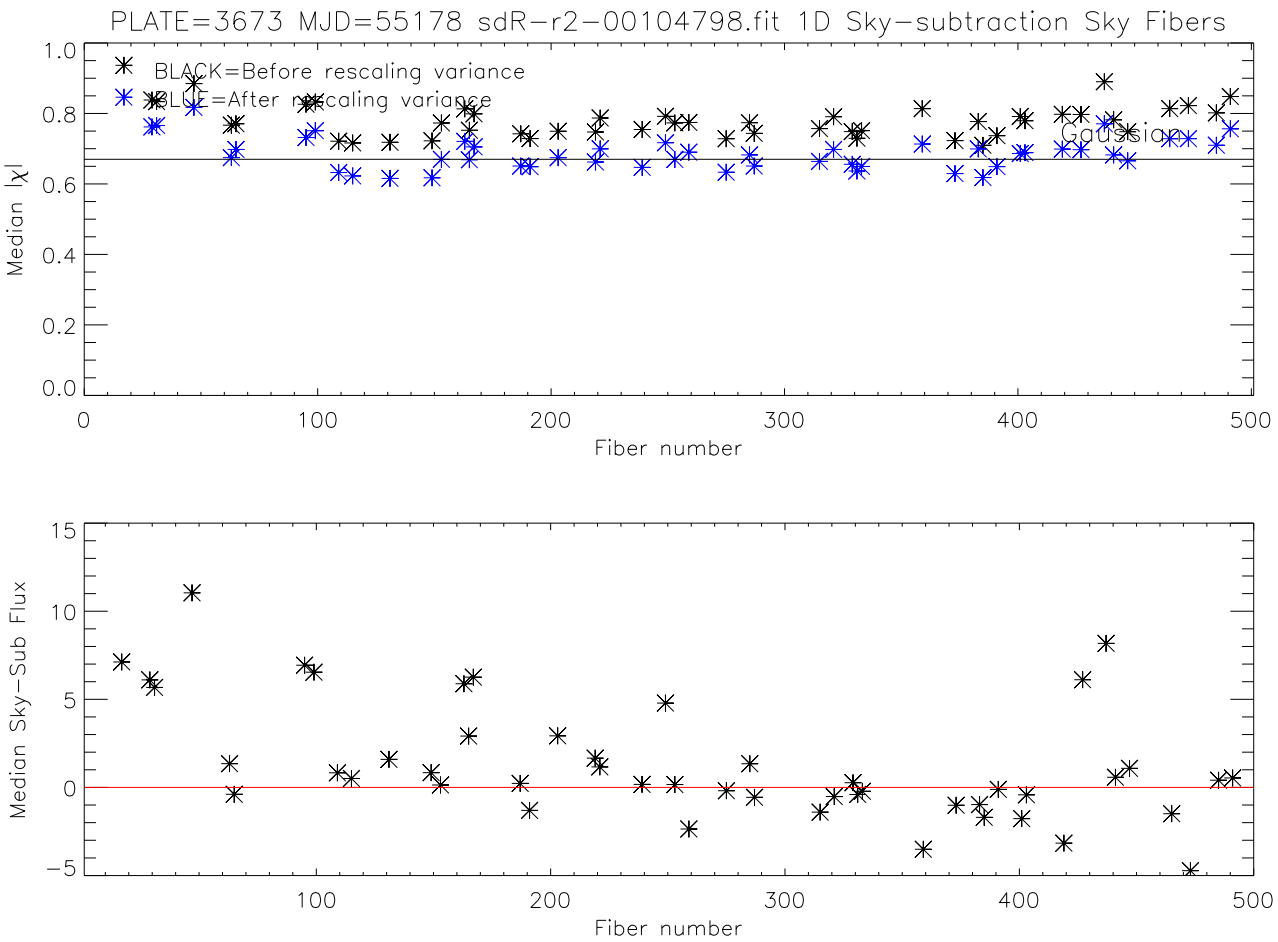

PLATE=3673 MJD=55178 sdR-r2-00104797.fit Skyline Flux at 8888.3
Flux (8888.3)/Airmass
RED = sky fiber
Dispersion = 1.47 %
Fiber number
Focal Distance [mm]
Airmass

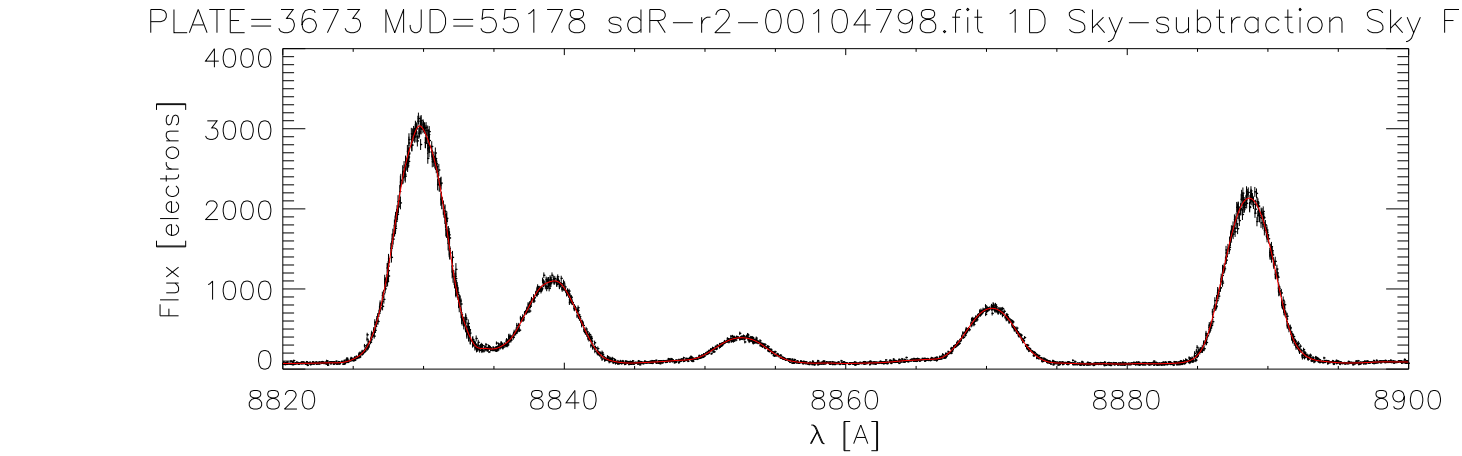

PLATE=3673 MJD=55178 Fiber−Flats for sdR−r2−00104794.fit
BLACK = Median value
ENVELOPE = 95% of points
GREEN = Outlier points
Min value = −4.266
Max value = 6.604
Fiber−Flat
1.5
1.0
0.5
0.0
6.0×10^3
7.0×10^3
8.0×10^3
9.0×10^3
1.0×10^4
1.1×10^4
λ [A]
Sat Aug 27 21:41:50 2011

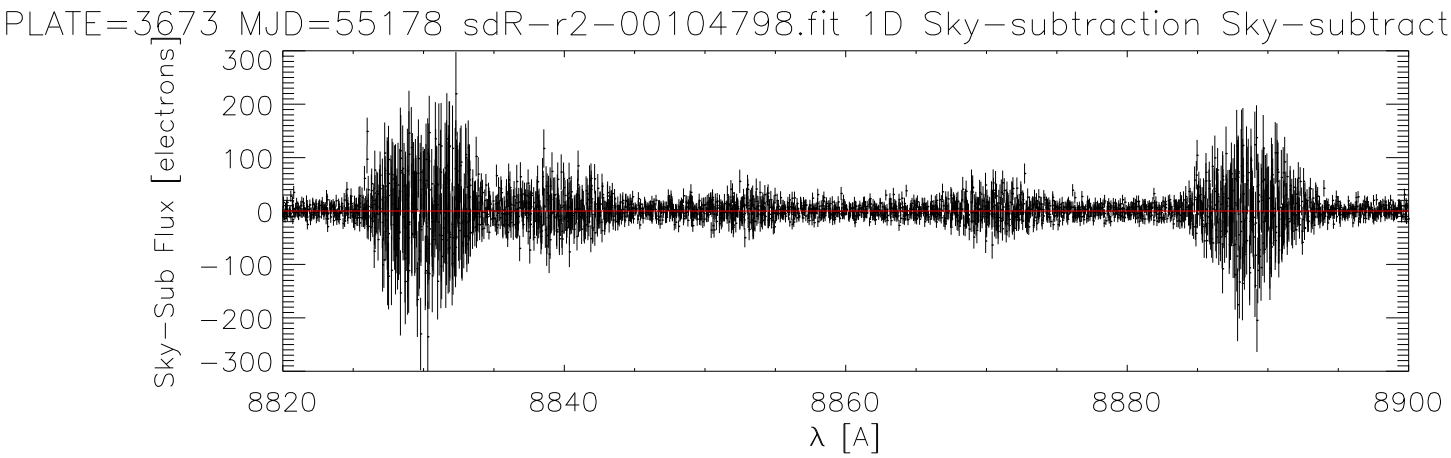

PLATE=3673 MJD=55178 Extraction chi^2 for sdR−r2−00104798.fit
BLACK = Final chisq extraction
χ^2
2.0
1.5
1.0
0.5
0.0
0
1000
2000
3000
4000
Row number


PLATE=3673 MJD=55178 Sky Line Deviations for sdR-r2-00104798.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

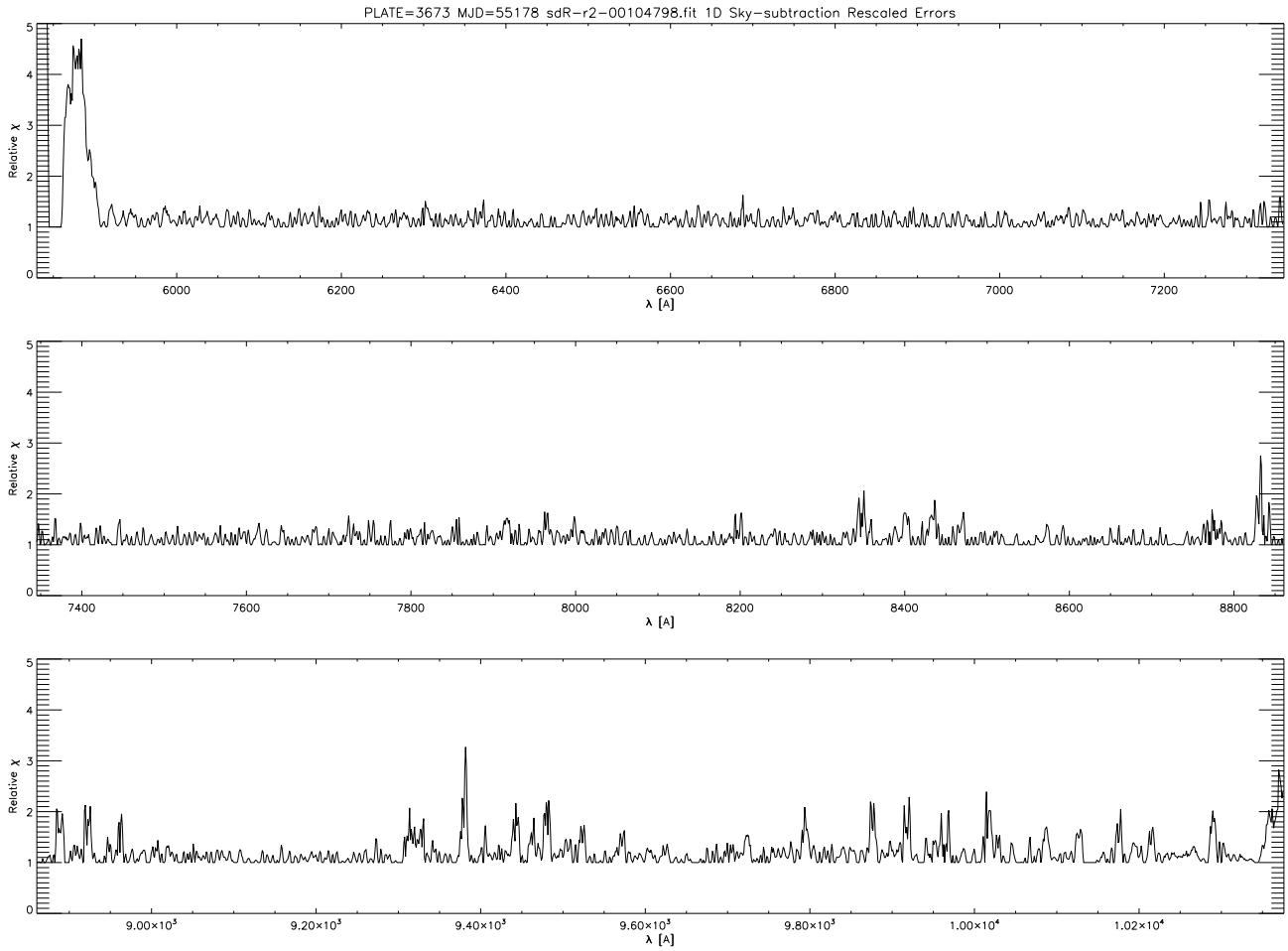

PLATE=3673 MJD=55178 Smooth superflat for sdR-r2-00104798.fit
2.0
1.5
1.0
0.5
0.0
1.04
1.02
1.00
0.98
0.96
6.0×10^3
7.0×10^3
8.0×10^3
9.0×10^3
1.0×10^4
1.1×10^4
Wavelength (Å)

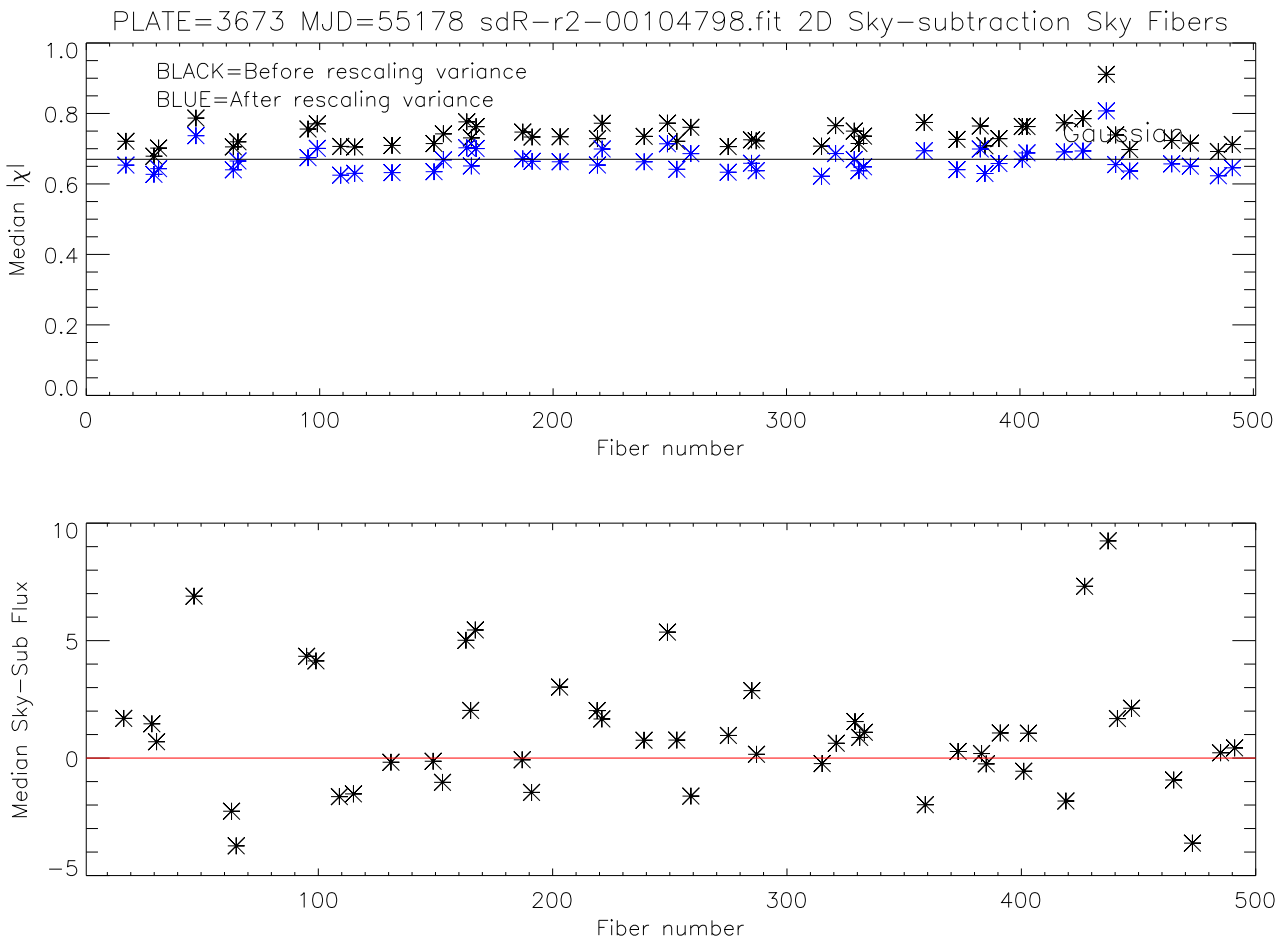

PLATE=3673 MJD=55178 sdR-r2-00104798.fit 1D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

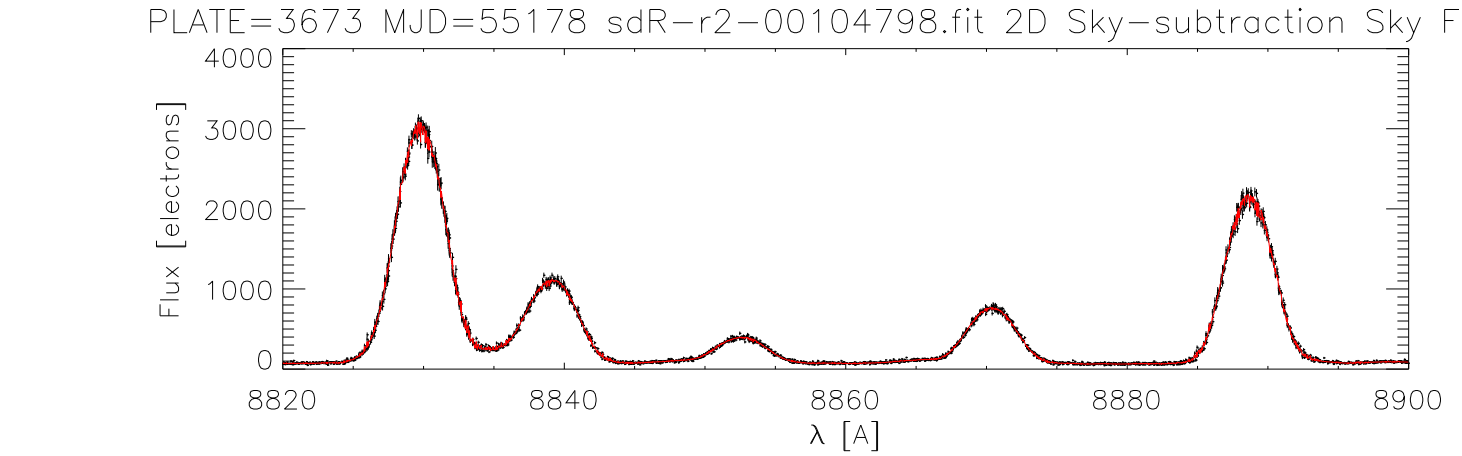

PLATE=3673 MJD=55178 sdR-r2-00104798.fit 1D Sky-subtraction Sky Fibers
Flux [electrons]
4000
3000
2000
1000
0
8820
8840
8860
8880
8900
λ [A]

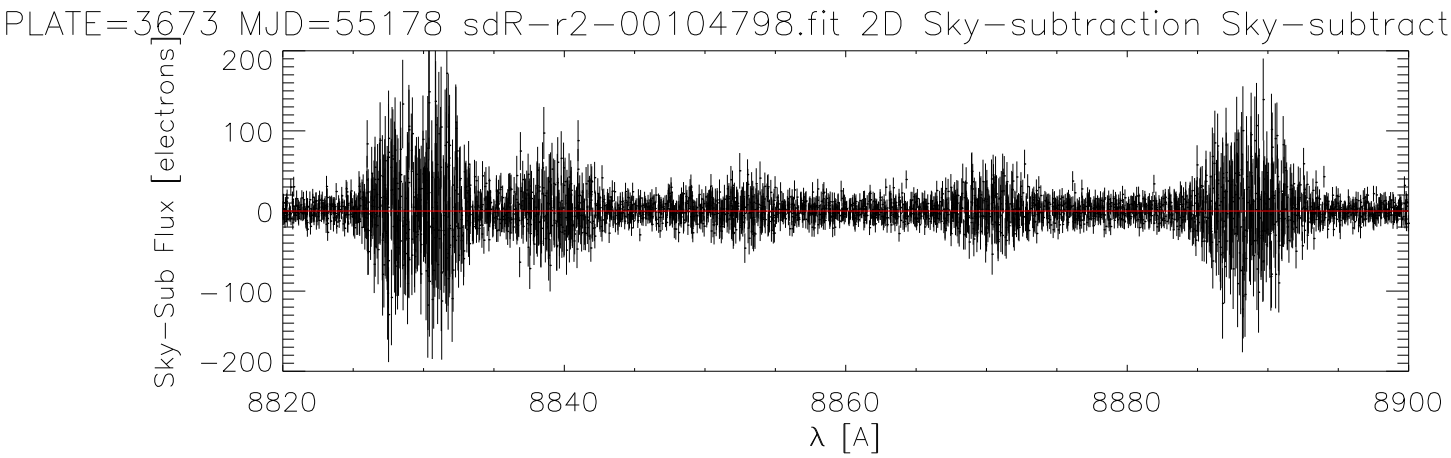

PLATE=3673 MJD=55178 sdR-r2-00104798.fit 1D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
300
200
100
0
-100
-200
-300
8820
8840
8860
8880
8900
λ [A]

Number of sky fibers = 49

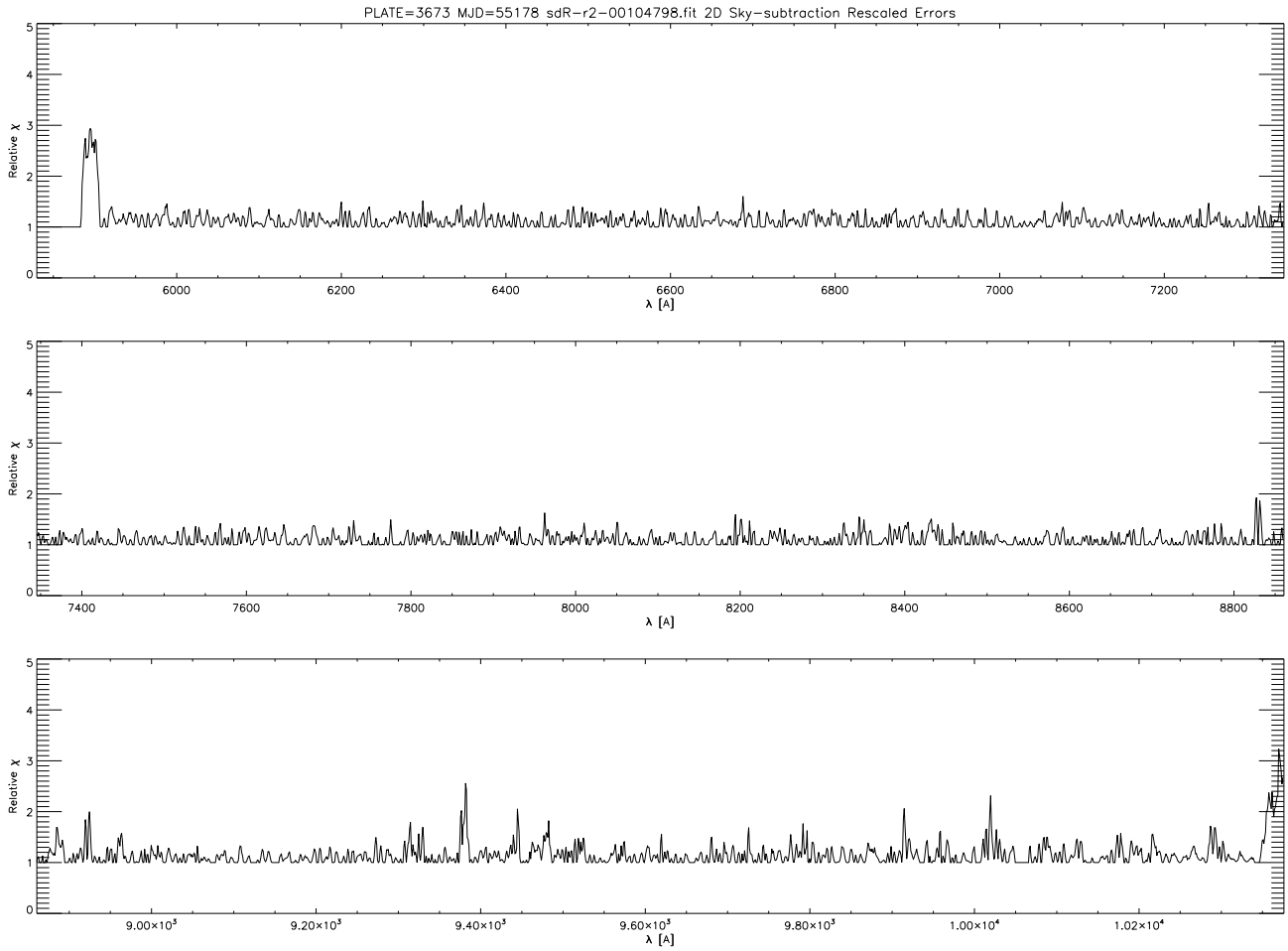


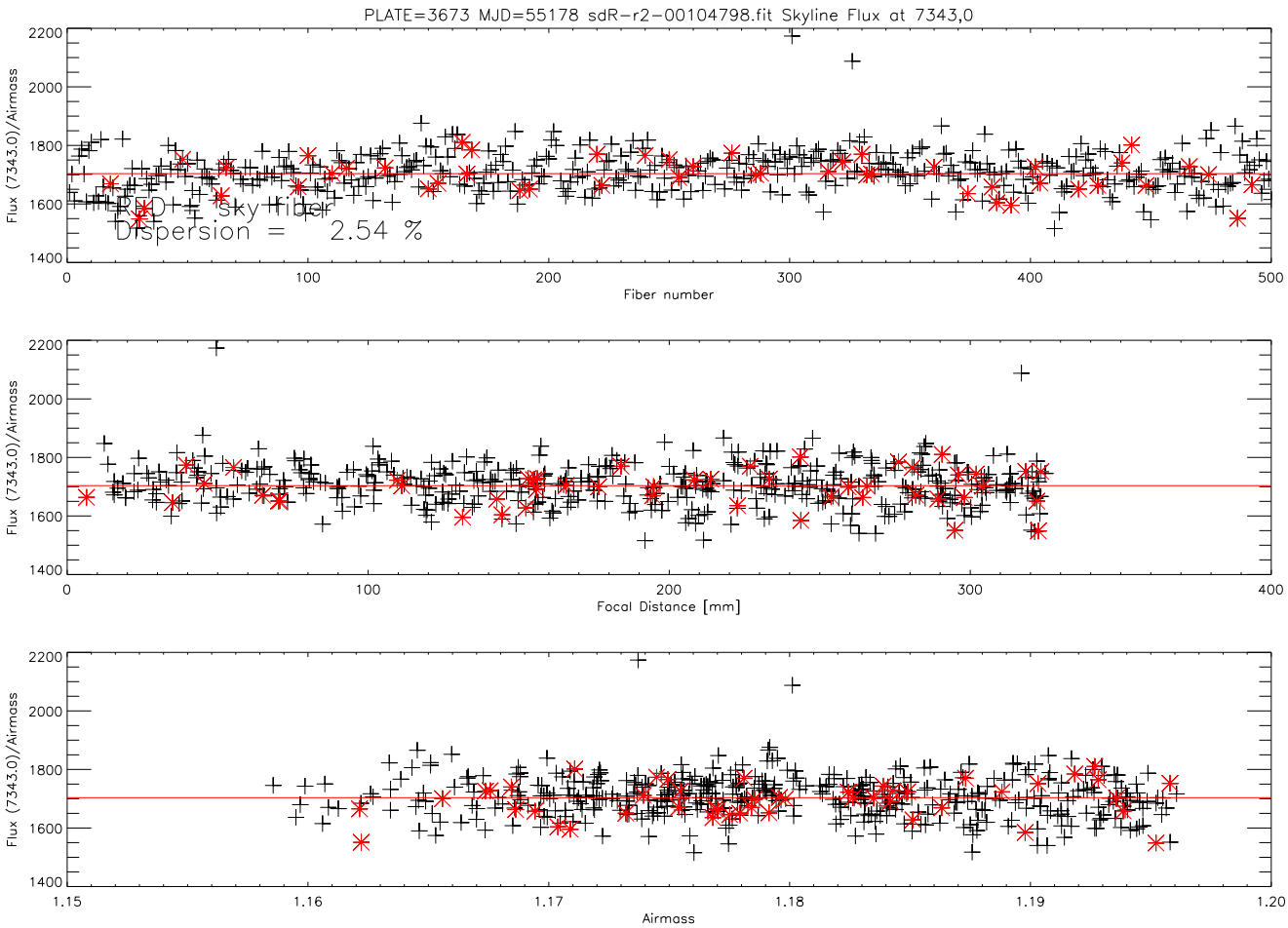

PLATE=3673 MJD=55178 sdR-r2-00104798.fit 2D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

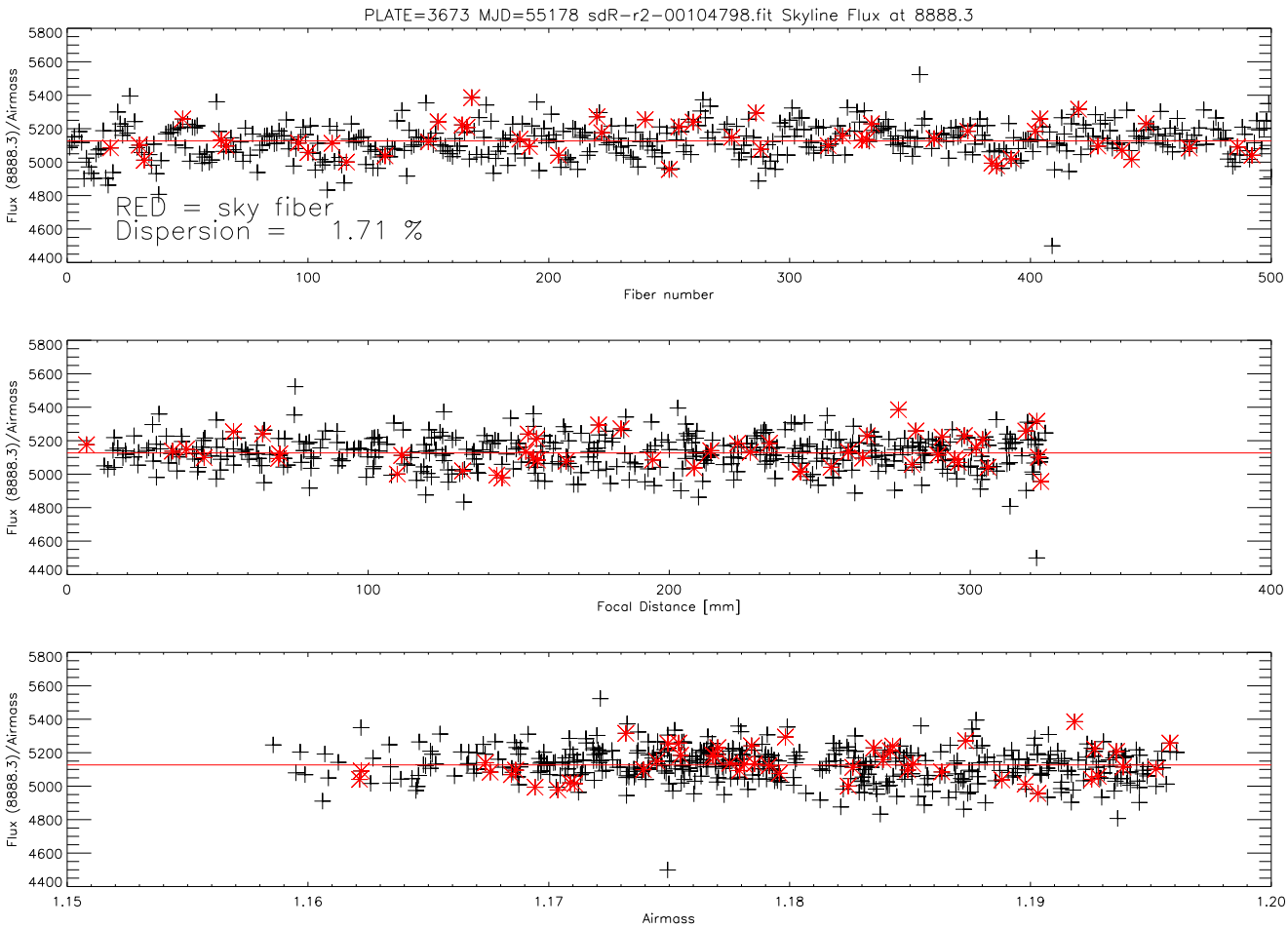

PLATE=3673 MJD=55178 sdR-r2-00104798.fit 2D Sky-subtraction Sky Fibers
Flux [electrons]
4000
3000
2000
1000
0
8820
8840
8860
8880
8900
λ [A]

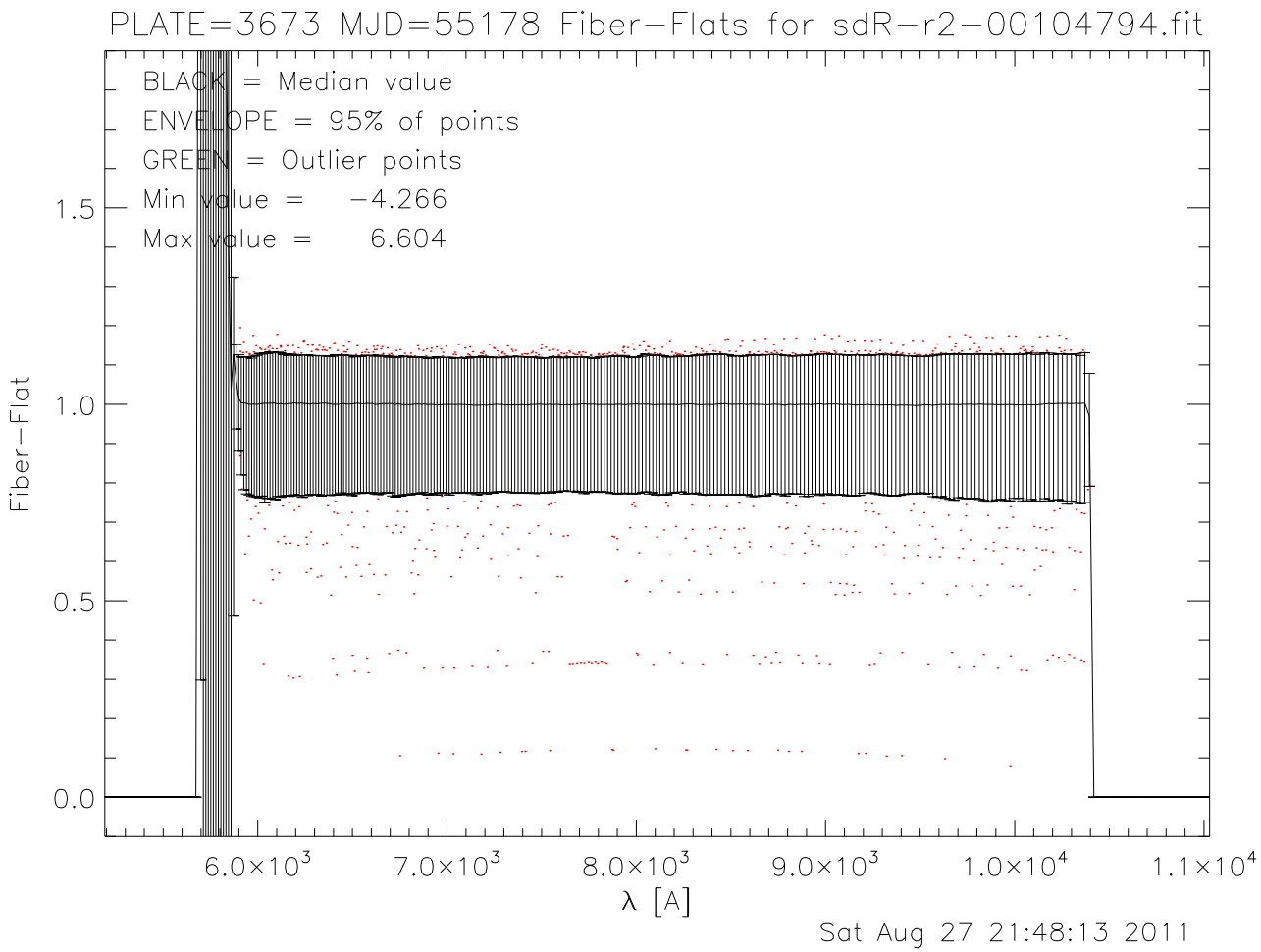

PLATE=3673 MJD=55178 sdR-r2-00104798.fit 2D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
200
100
0
-100
-200
8820
8840
8860
8880
8900
λ [A]

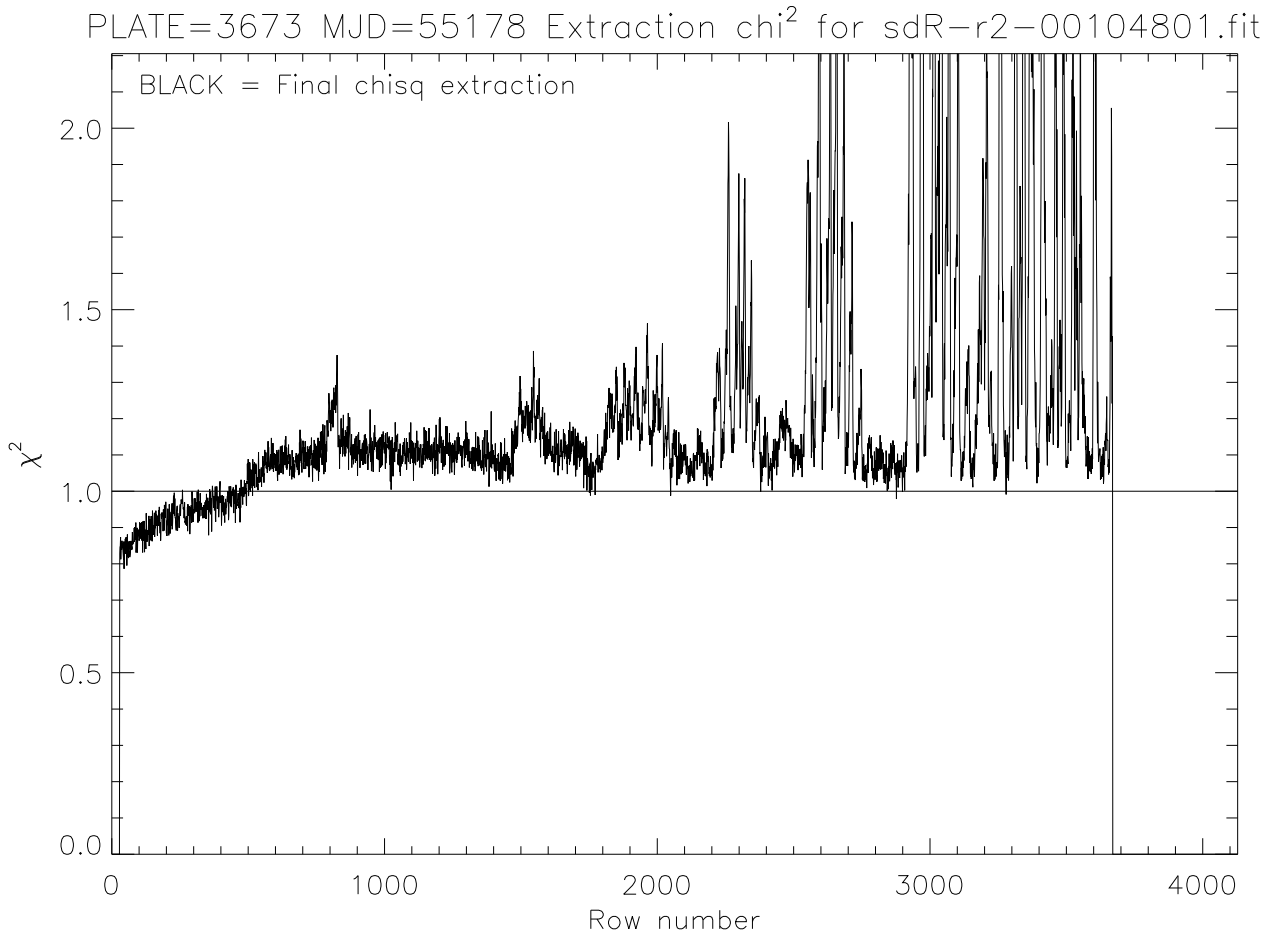
Number of sky fibers = 49

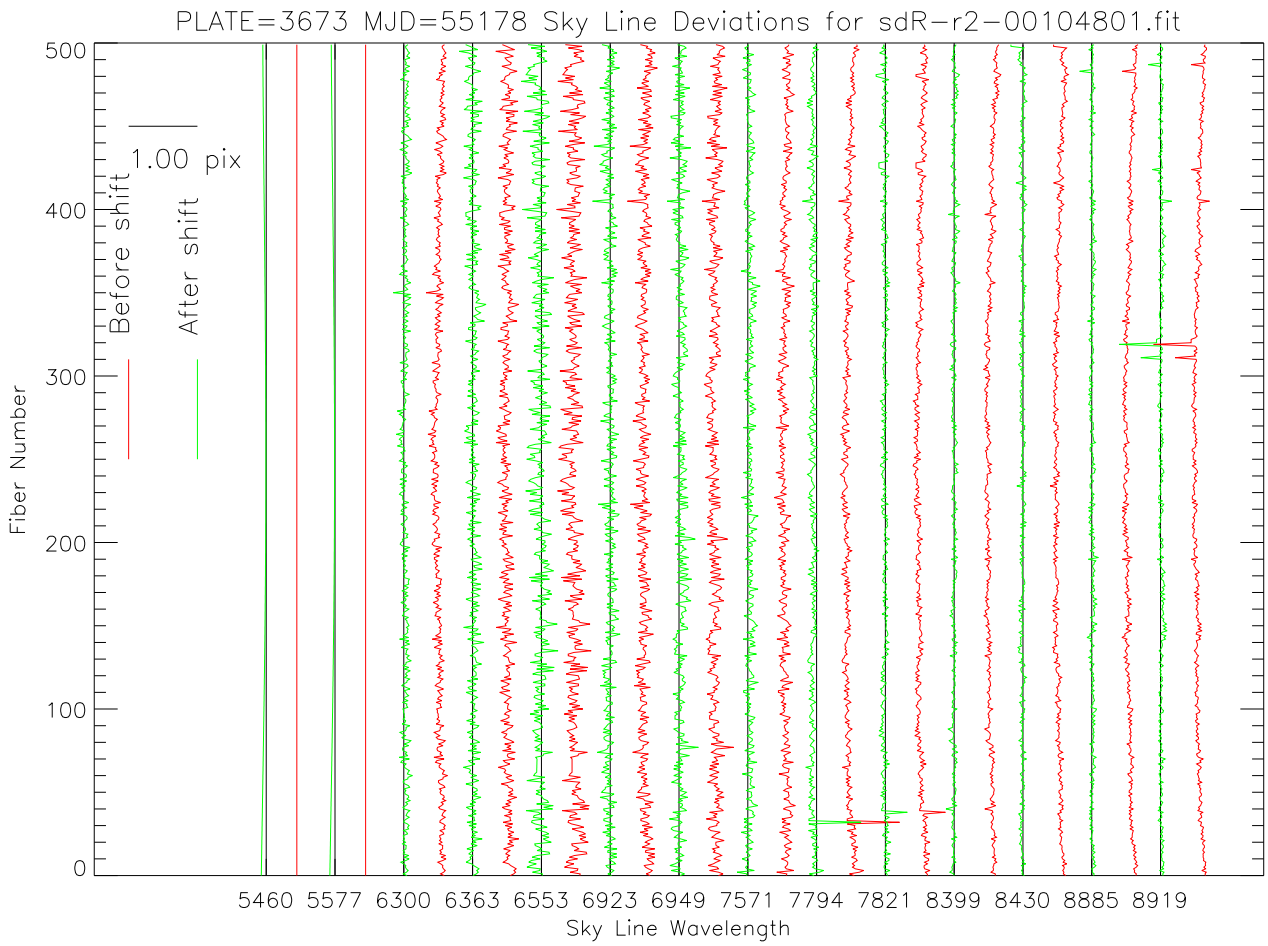


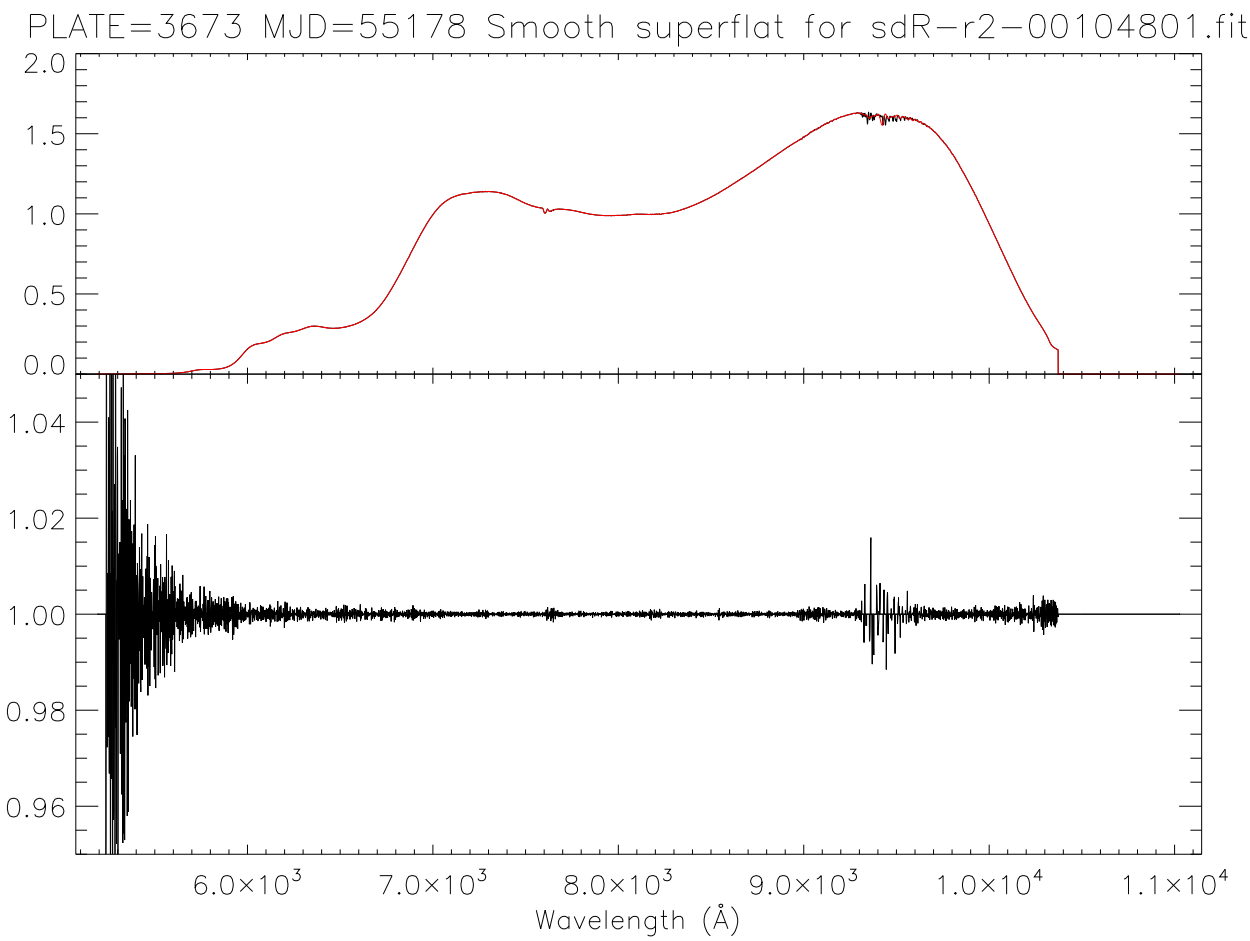

PLATE=3673 MJD=55178 sdR-r2-00104798.fit Skyline Flux at 7343,0
Flux (7343.0)/Airmass
Fiber number
Sky fiber
Dispersion = 2.54 %
Flux (7343.0)/Airmass
Focal Distance [mm]
Flux (7343.0)/Airmass
Airmass

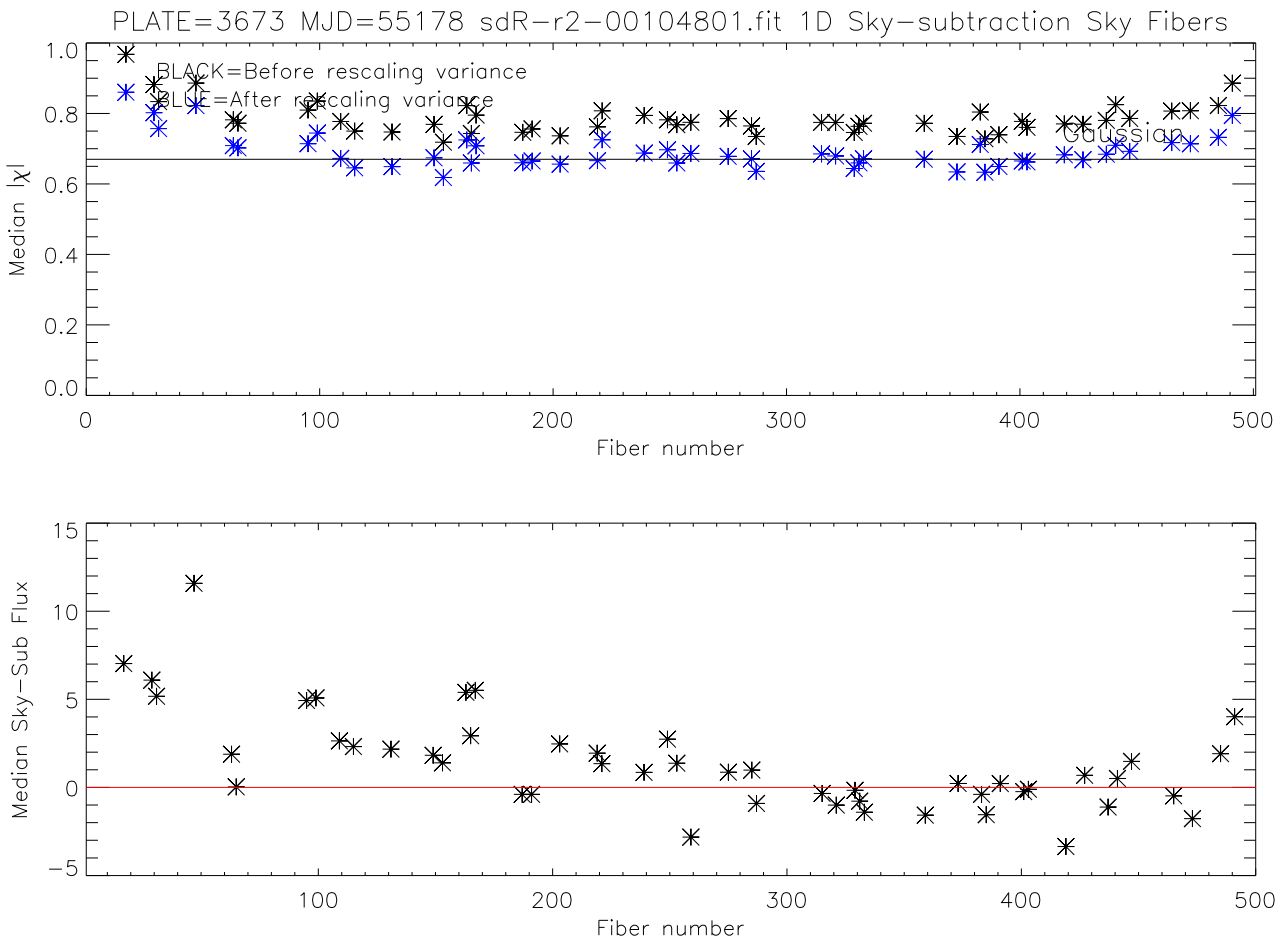

PLATE=3673 MJD=55178 sdR-r2-00104798.fit Skyline Flux at 8888.3
Flux (8888.3)/Airmass
RED = sky fiber
Dispersion = 1.71 %
Fiber number
Flux (8888.3)/Airmass
Focal Distance [mm]
Flux (8888.3)/Airmass
Airmass

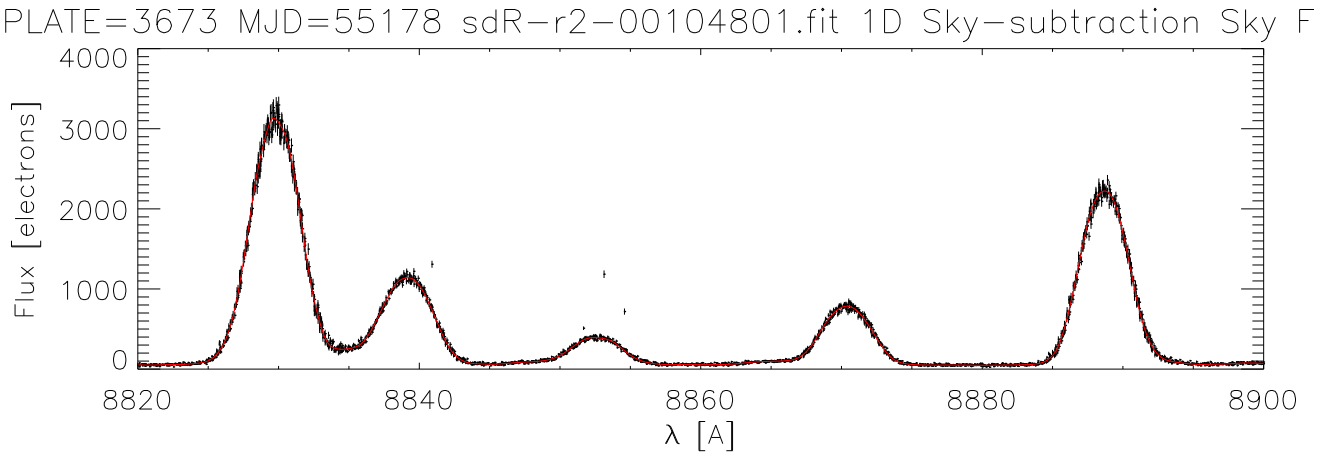

PLATE=3673 MJD=55178 Fiber−Flats for sdR−r2−00104794.fit
BLACK = Median value
ENVELOPE = 95% of points
GREEN = Outlier points
Min value = −4.266
Max value = 6.604
Fiber−Flat
1.5
1.0
0.5
0.0
6.0×10^3
7.0×10^3
8.0×10^3
9.0×10^3
1.0×10^4
1.1×10^4
λ [A]
Sat Aug 27 21:48:13 2011

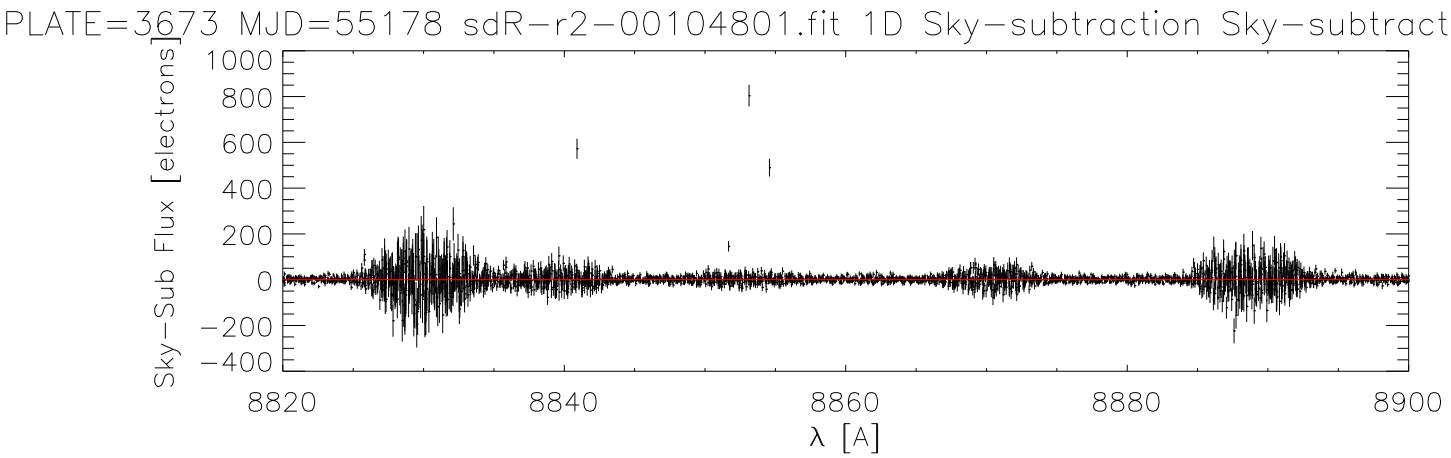

PLATE=3673 MJD=55178 Extraction chi^2 for sdR−r2−00104801.fit
BLACK = Final chisq extraction
χ^2
2.0
1.5
1.0
0.5
0.0
0
1000
2000
3000
4000
Row number


PLATE=3673 MJD=55178 Sky Line Deviations for sdR-r2-00104801.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

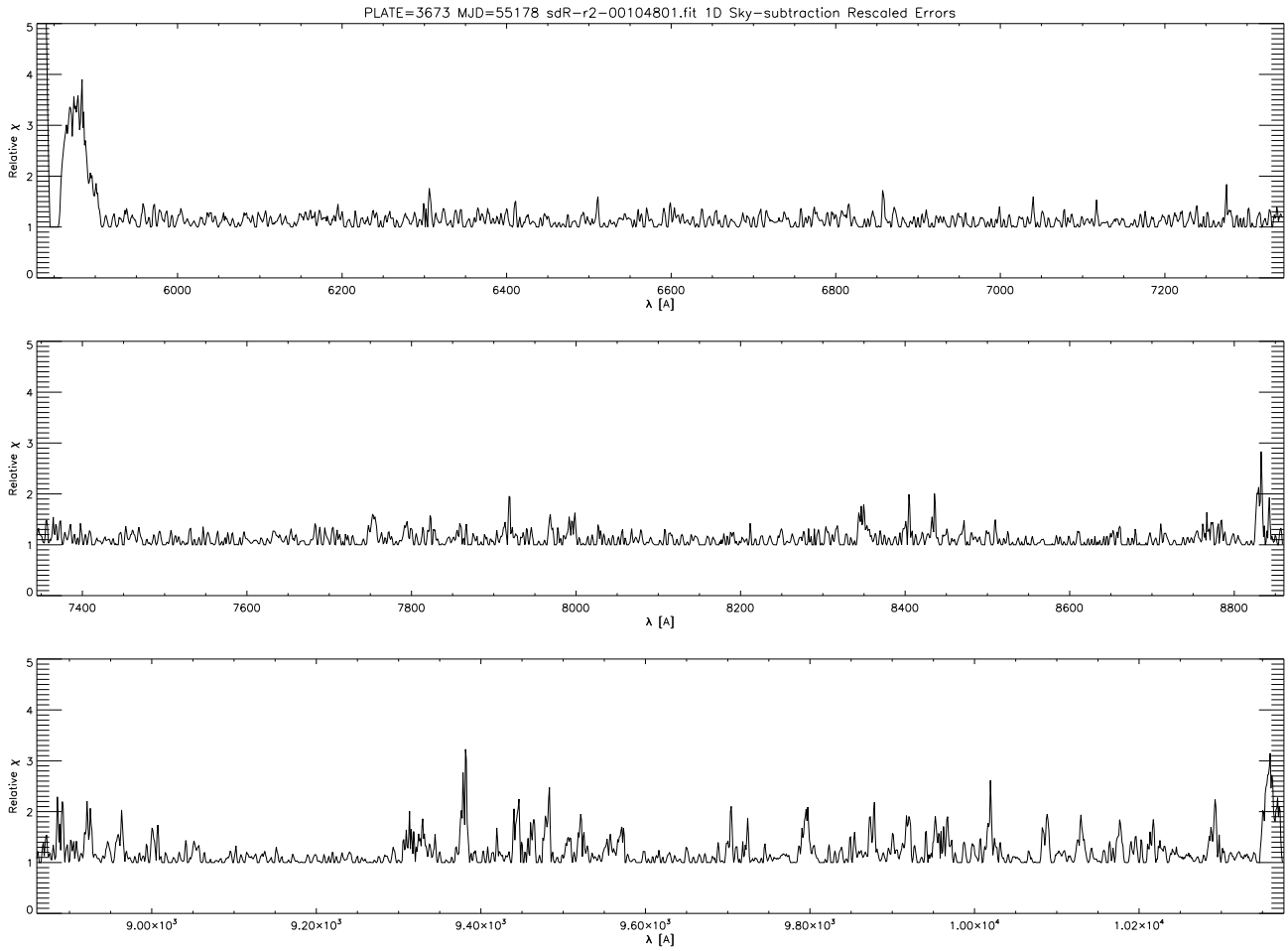

PLATE=3673 MJD=55178 Smooth superflat for sdR-r2-00104801.fit
2.0
1.5
1.0
0.5
0.0
1.04
1.02
1.00
0.98
0.96
6.0×10^3
7.0×10^3
8.0×10^3
9.0×10^3
1.0×10^4
1.1×10^4
Wavelength (Å)

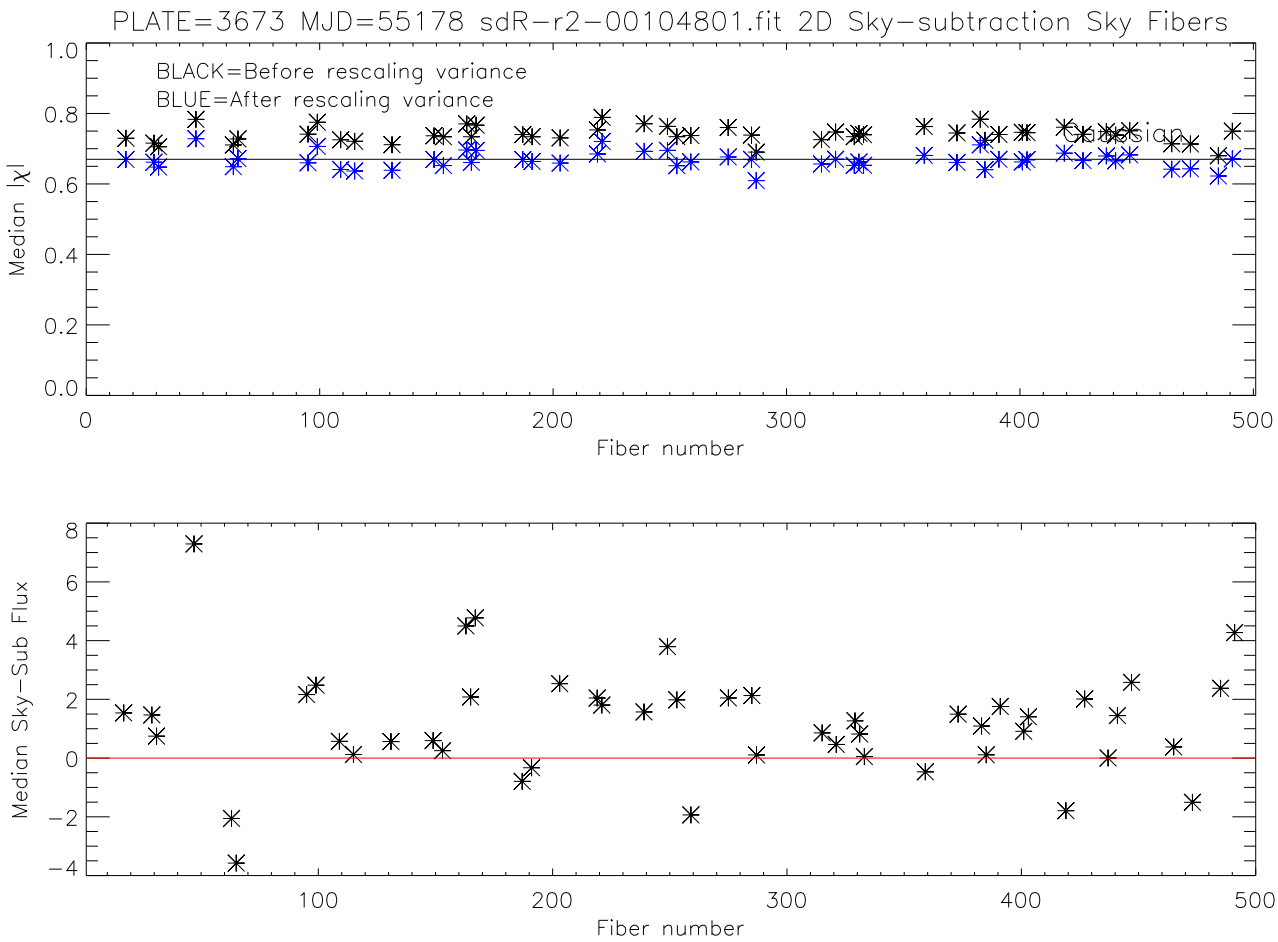

PLATE=3673 MJD=55178 sdR-r2-00104801.fit 1D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number


PLATE=3673 MJD=55178 sdR-r2-00104801.fit 1D Sky-subtraction Sky Fibers
Flux [electrons]
4000
3000
2000
1000
0
8820
8840
8860
8880
8900
λ [A]

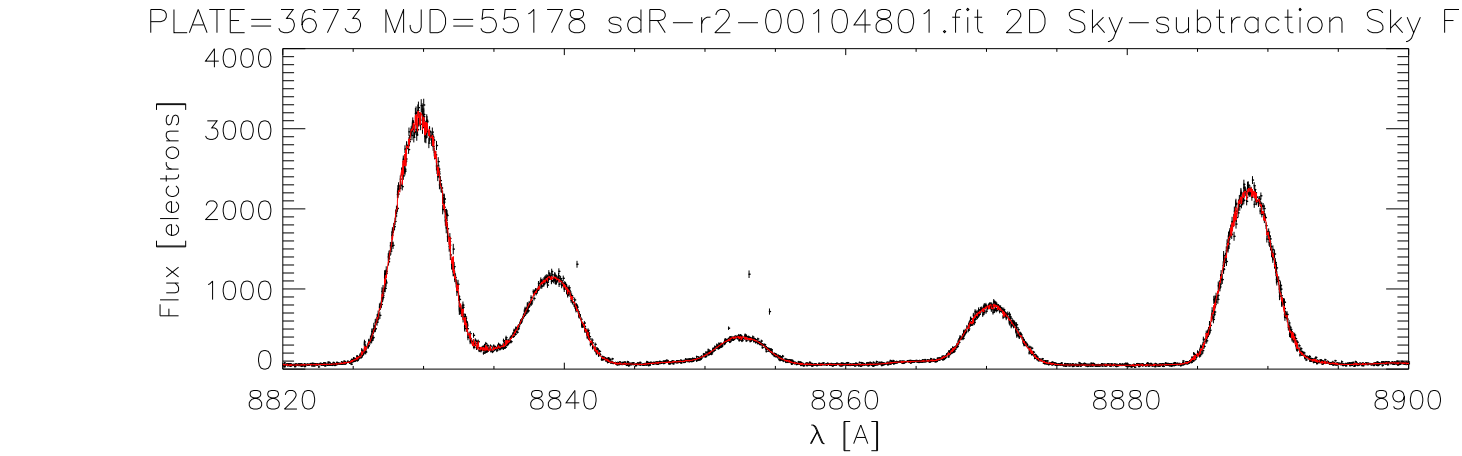

PLATE=3673 MJD=55178 sdR-r2-00104801.fit 1D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
1000
800
600
400
200
0
-200
-400
8820
8840
8860
8880
8900
λ [A]

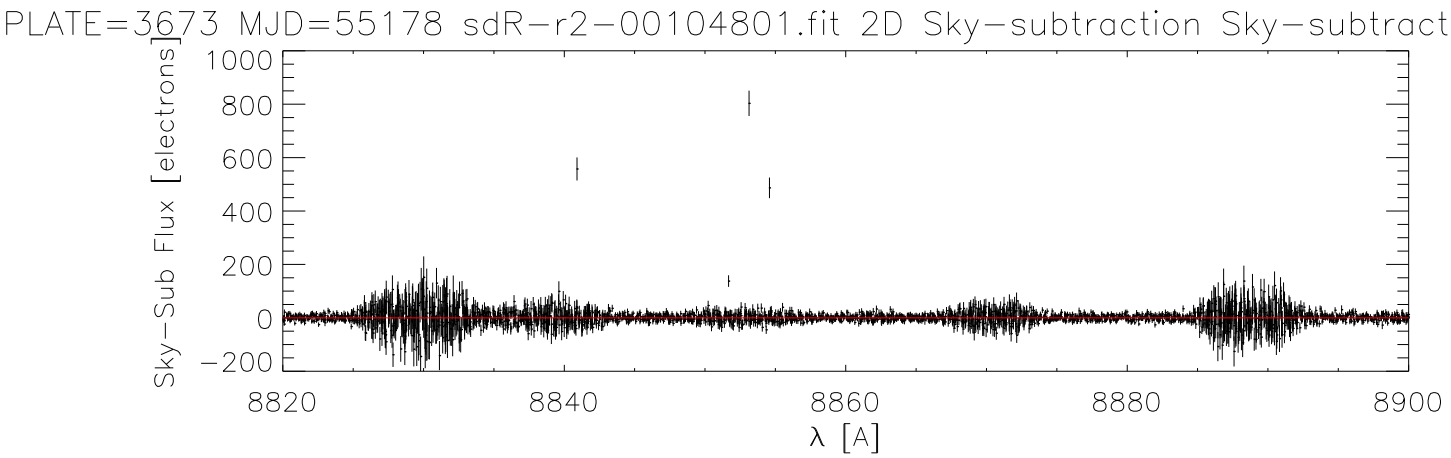
Number of sky fibers = 49



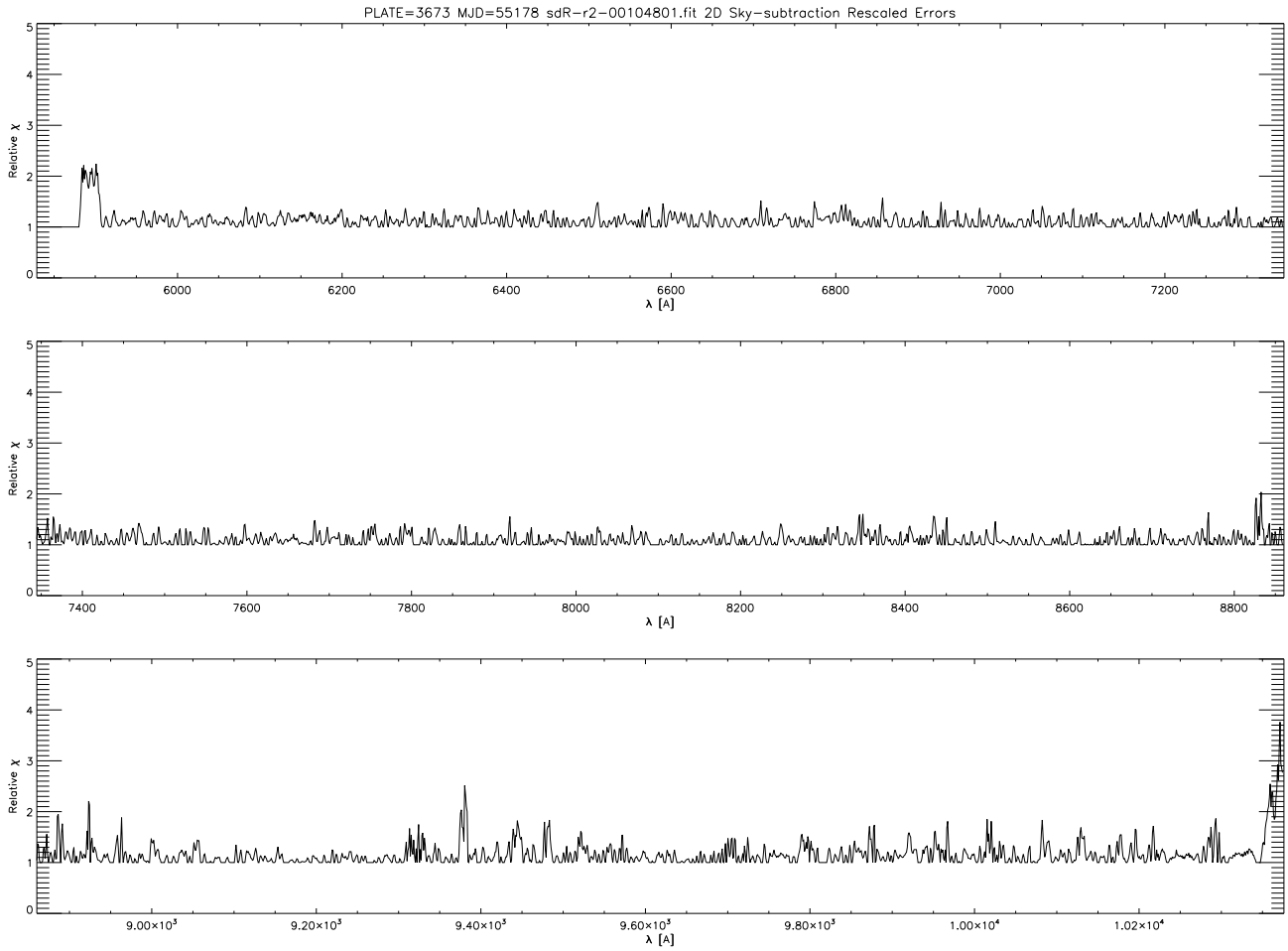

PLATE=3673 MJD=55178 sdR-r2-00104801.fit 2D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Median |χ|
Fiber number

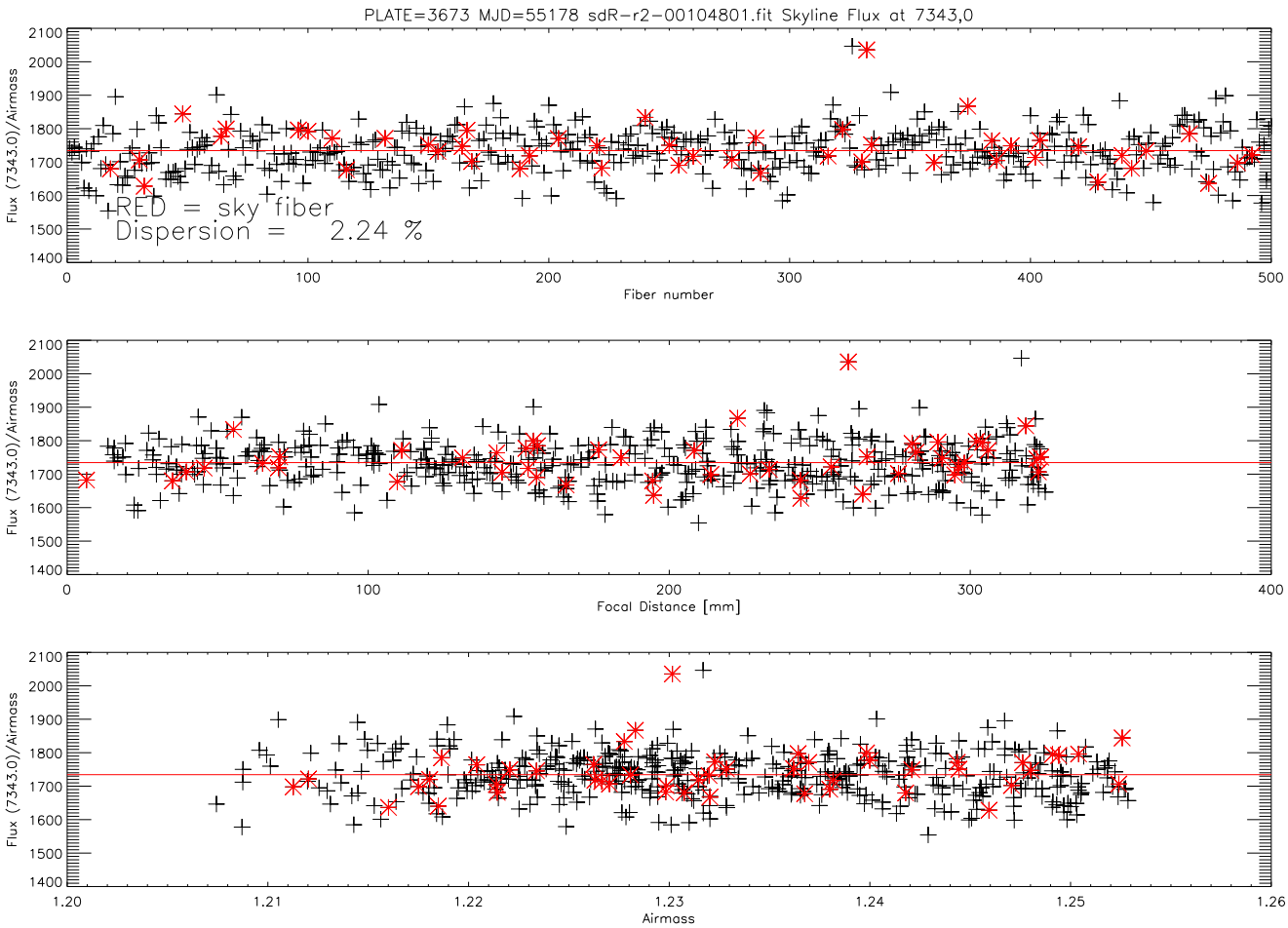
Median Sky-Sub Flux
Fiber number

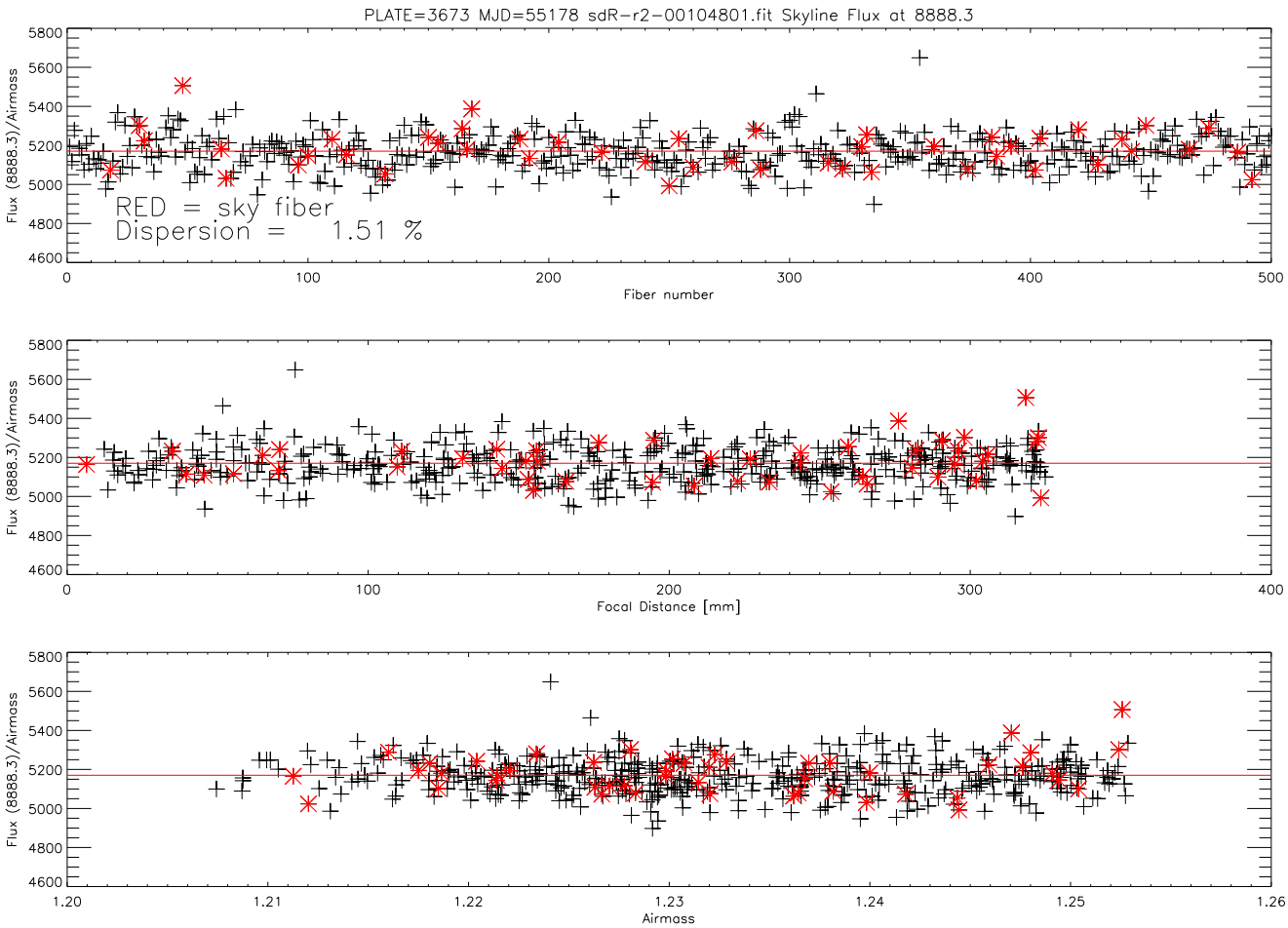

PLATE=3673 MJD=55178 sdR-r2-00104801.fit 2D Sky-subtraction Sky Fibers
Flux [electrons]
4000
3000
2000
1000
0
8820
8840
8860
8880
8900
λ [A]


PLATE=3673 MJD=55178 sdR-r2-00104801.fit 2D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
1000
800
600
400
200
0
-200
8820
8840
8860
8880
8900
λ [A]

Number of sky fibers = 49




PLATE=3673 MJD=55178 sdR-r2-00104801.fit Skyline Flux at 7343,0
Flux (7343.0)/Airmass
Fiber number
RED = sky fiber
Dispersion = 2.24 %
Flux (7343.0)/Airmass
Focal Distance [mm]
Flux (7343.0)/Airmass
Airmass


PLATE=3673 MJD=55178 sdR-r2-00104801.fit Skyline Flux at 8888.3
Flux (8888.3)/Airmass
RED = sky fiber
Dispersion = 1.51 %
Fiber number
Focal Distance [mm]
Airmass