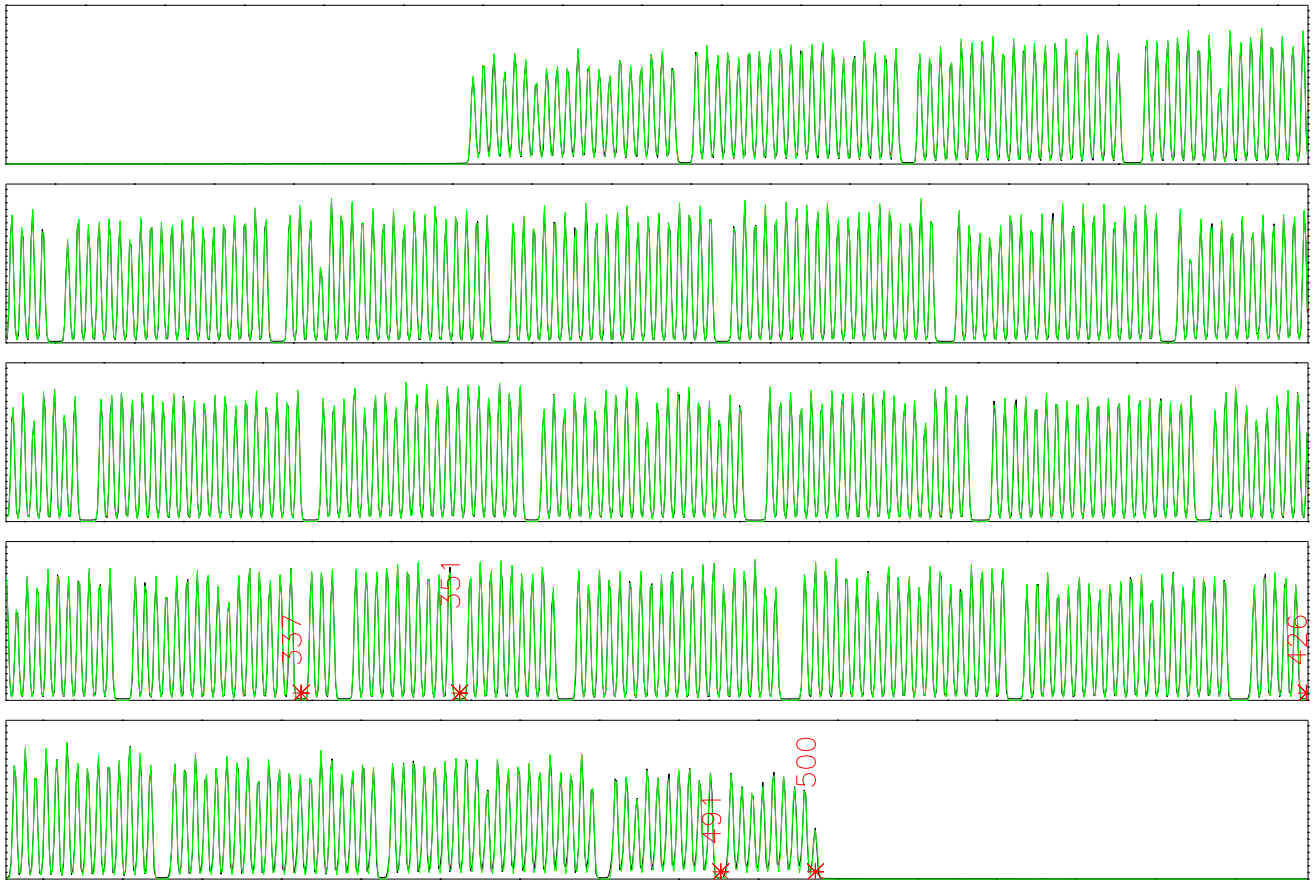
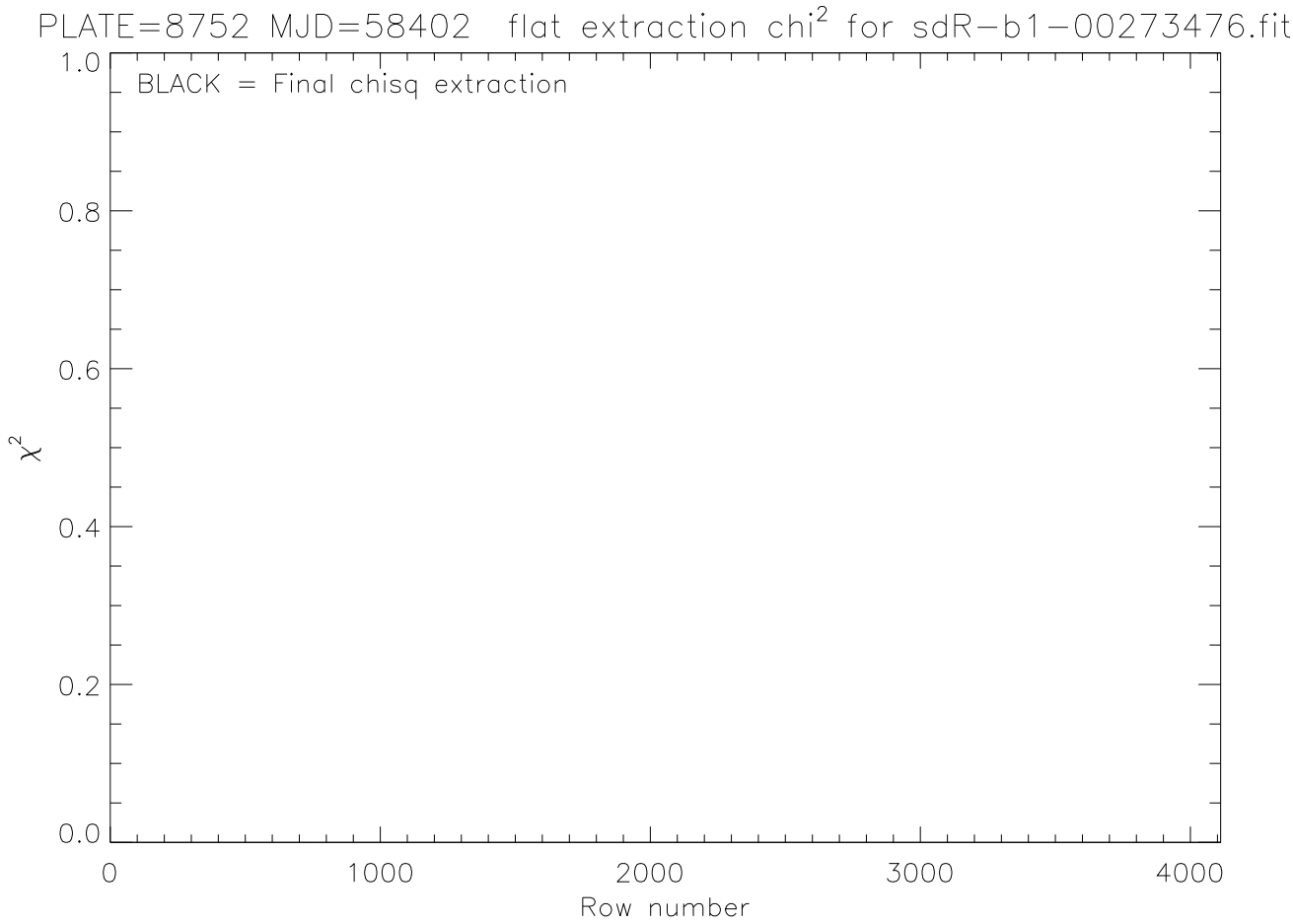
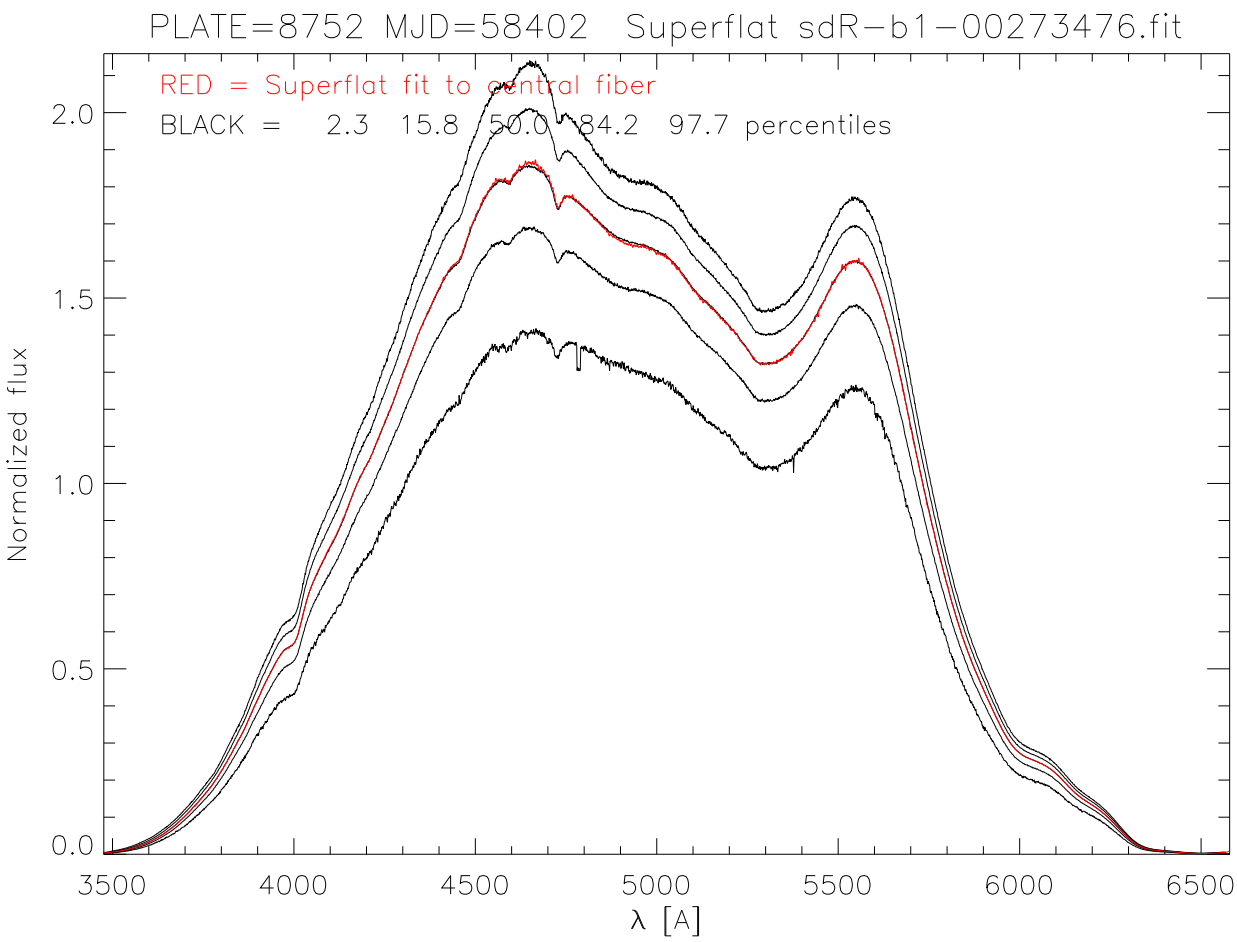
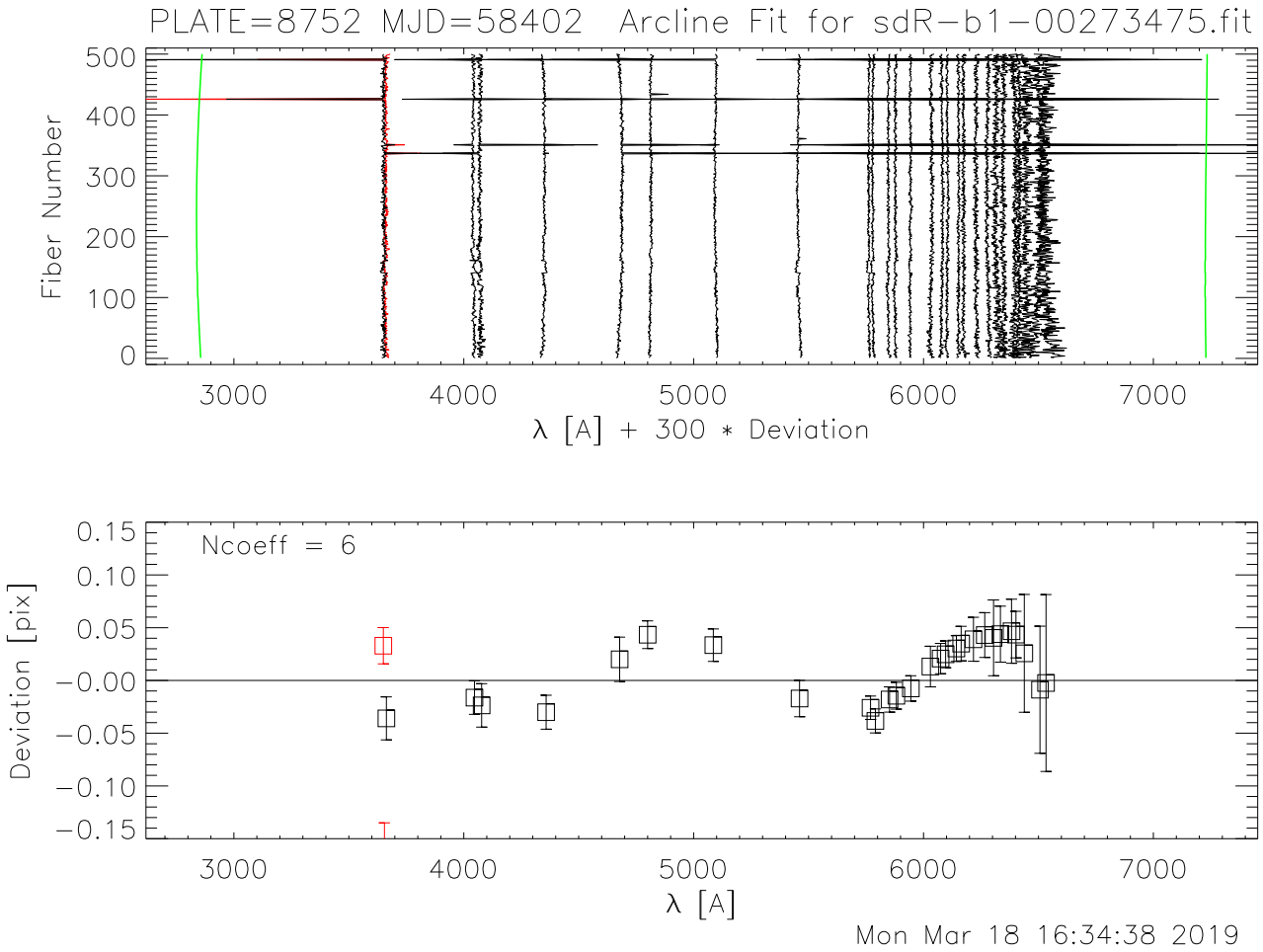
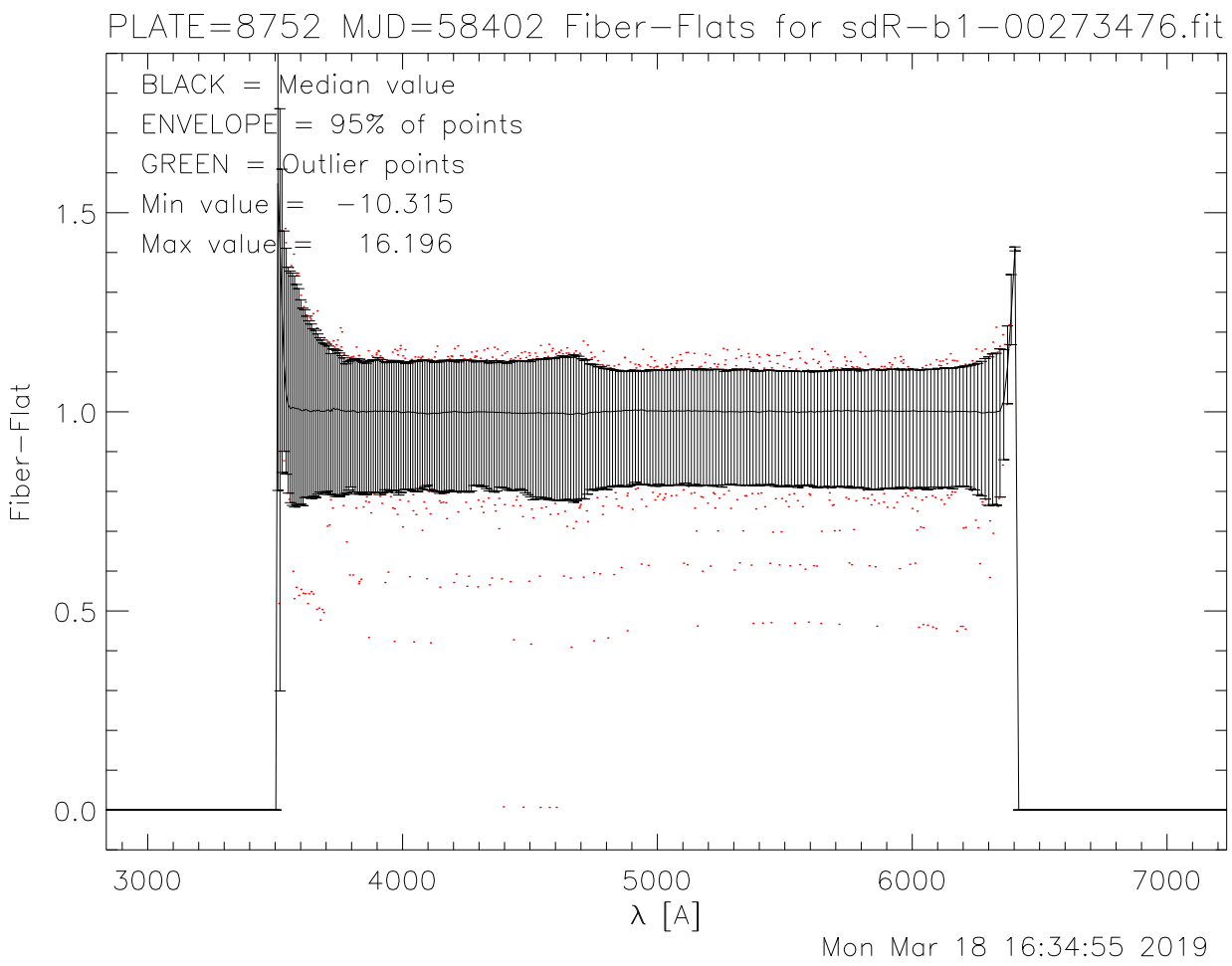
PLATE=8752 MJD=58402 Traces sdR-b1-00273476.fit

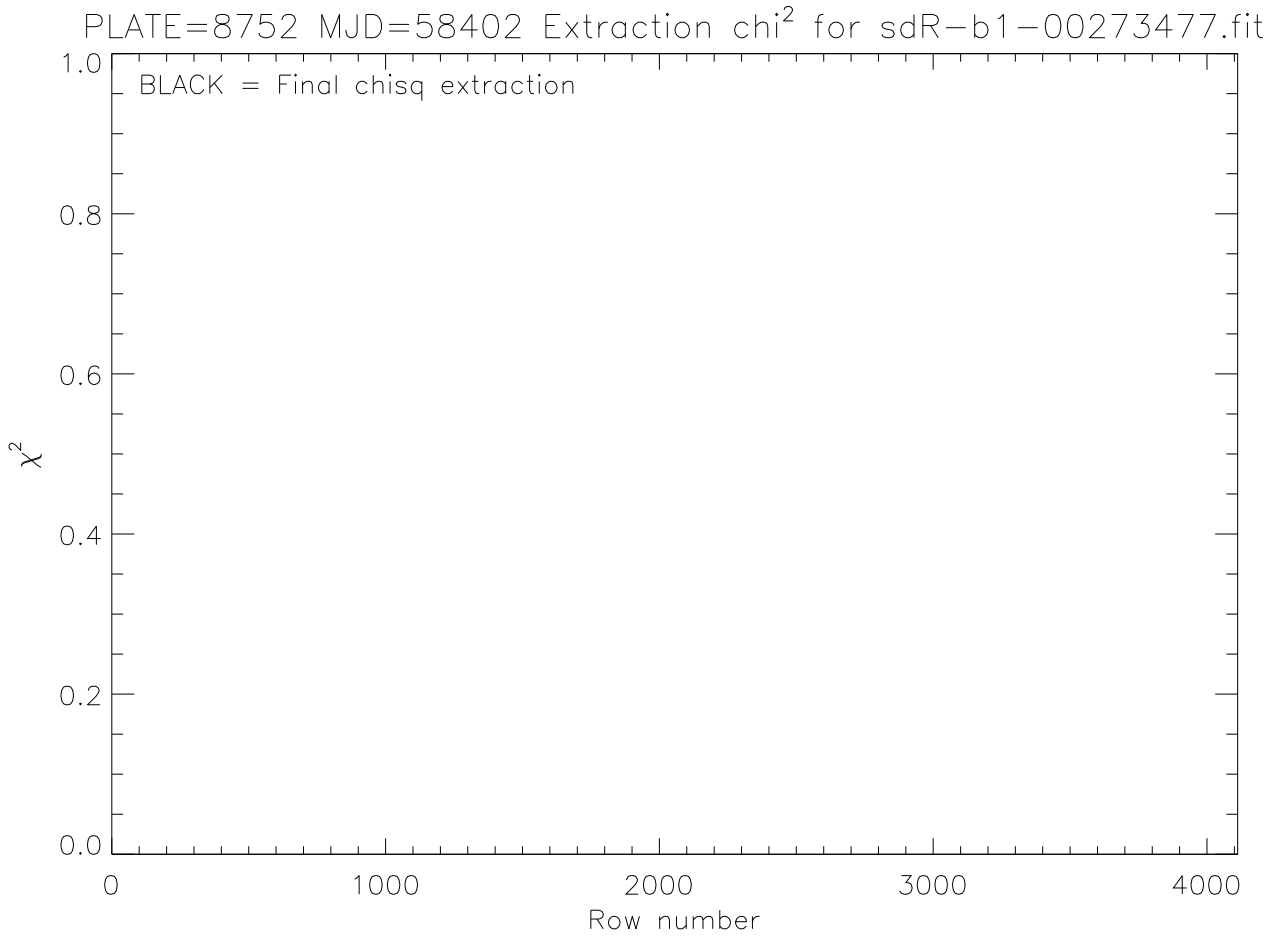


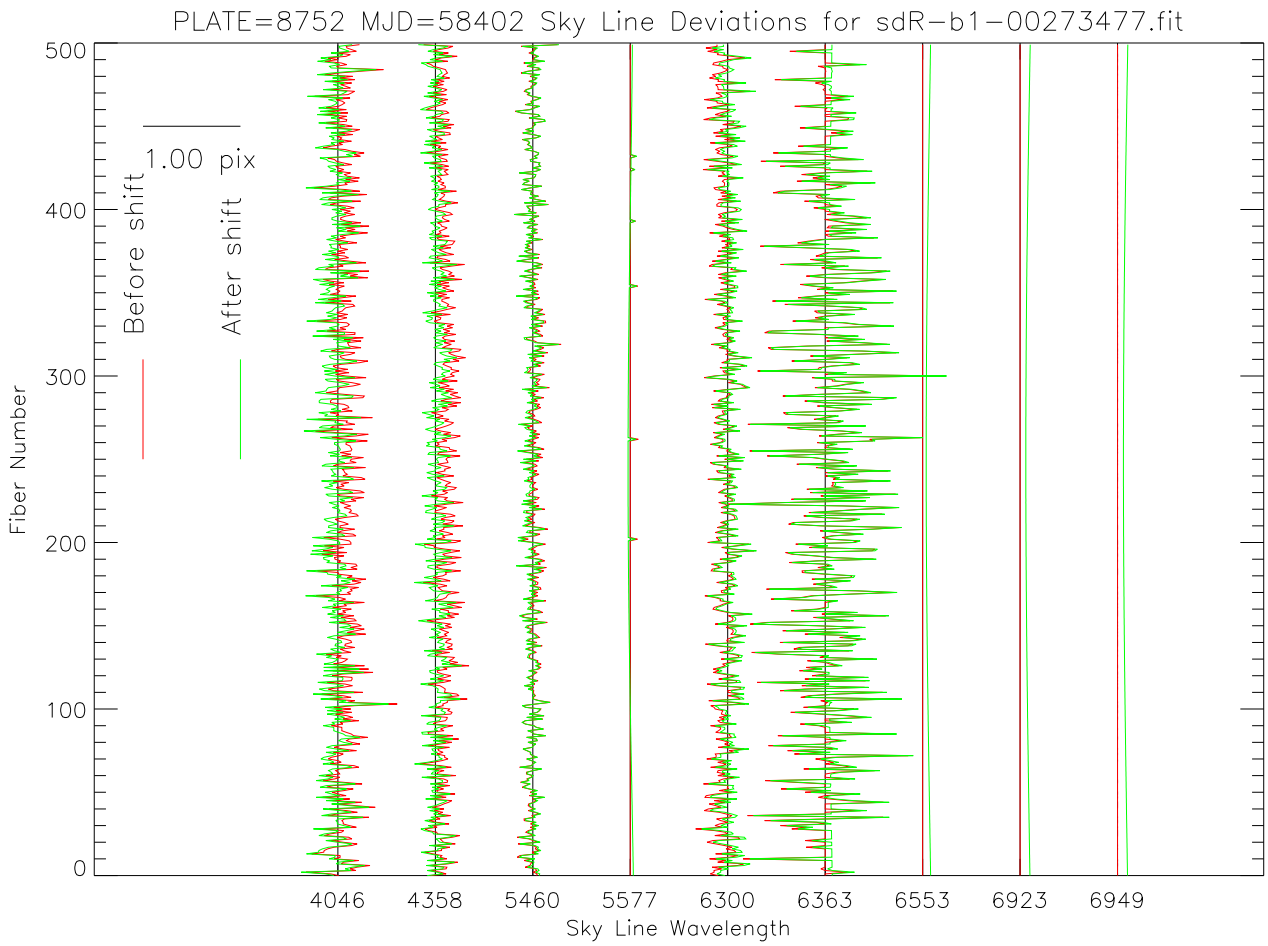

PLATE=8752 MJD=58402 flat extraction chi^2 for sdR−b1−00273476.fit
BLACK = Final chisq extraction
χ^2
1.0
0.8
0.6
0.4
0.2
0.0
0
1000
2000
3000
4000
Row number

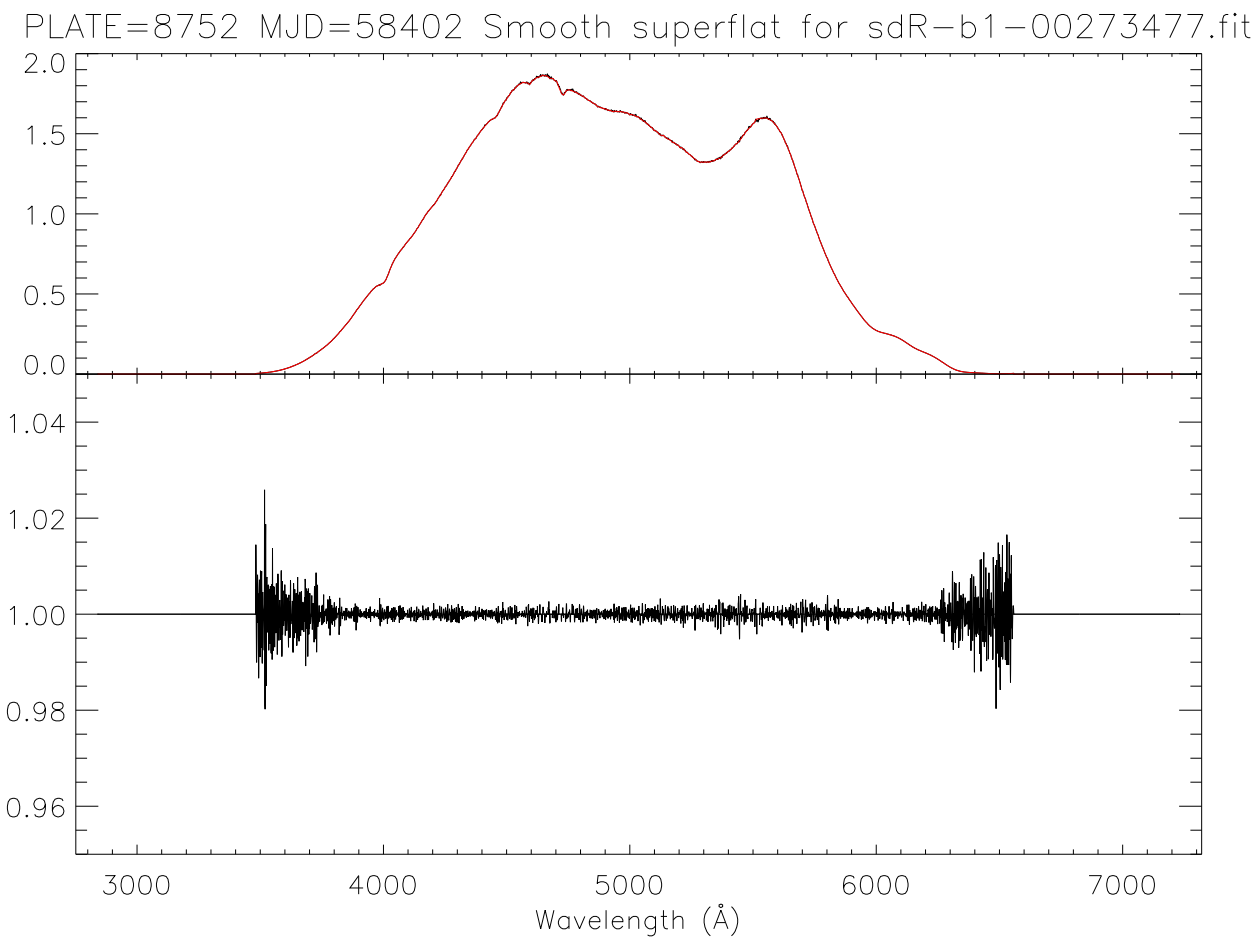

PLATE=8752 MJD=58402 Superflat sdR-b1-00273476.fit
RED = Superflat fit to central fiber
BLACK = 2.3 15.8 50.0 84.2 97.7 percentiles
Normalized flux
λ [A]
0.0
0.5
1.0
1.5
2.0
3500
4000
4500
5000
5500
6000
6500

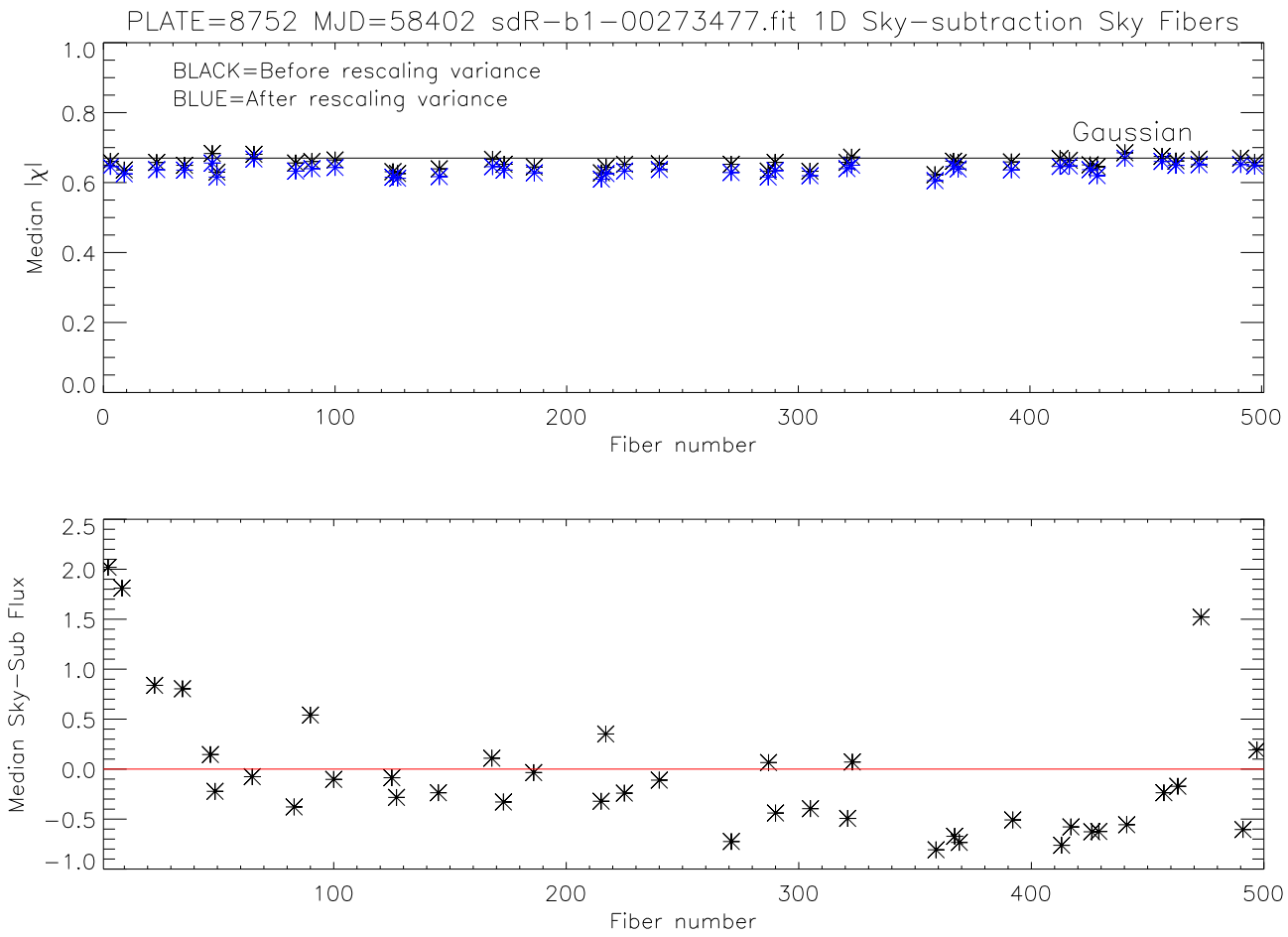

PLATE=8752 MJD=58402 Arcline Fit for sdR-b1-00273475.fit
Fiber Number
500
400
300
200
100
0
3000
4000
5000
6000
7000
λ [A] + 300 * Deviation
Ncoeff = 6
Deviation [pix]
0.15
0.10
0.05
−0.00
−0.05
−0.10
−0.15
3000
4000
5000
6000
7000
λ [A]
Mon Mar 18 16:34:38 2019

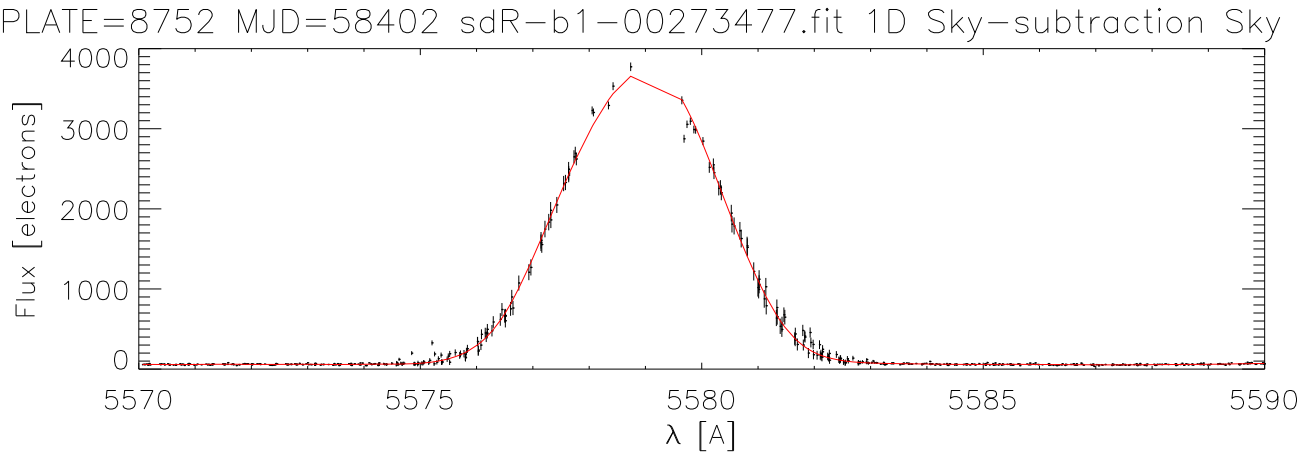

PLATE=8752 MJD=58402 Fiber-Flats for sdR-b1-00273476.fit
BLACK = Median value
ENVELOPE = 95% of points
GREEN = Outlier points
Min value = -10.315
Max value = 16.196
Fiber-Flat
0.0
0.5
1.0
1.5
3000
4000
5000
6000
7000
λ [A]
Mon Mar 18 16:34:55 2019

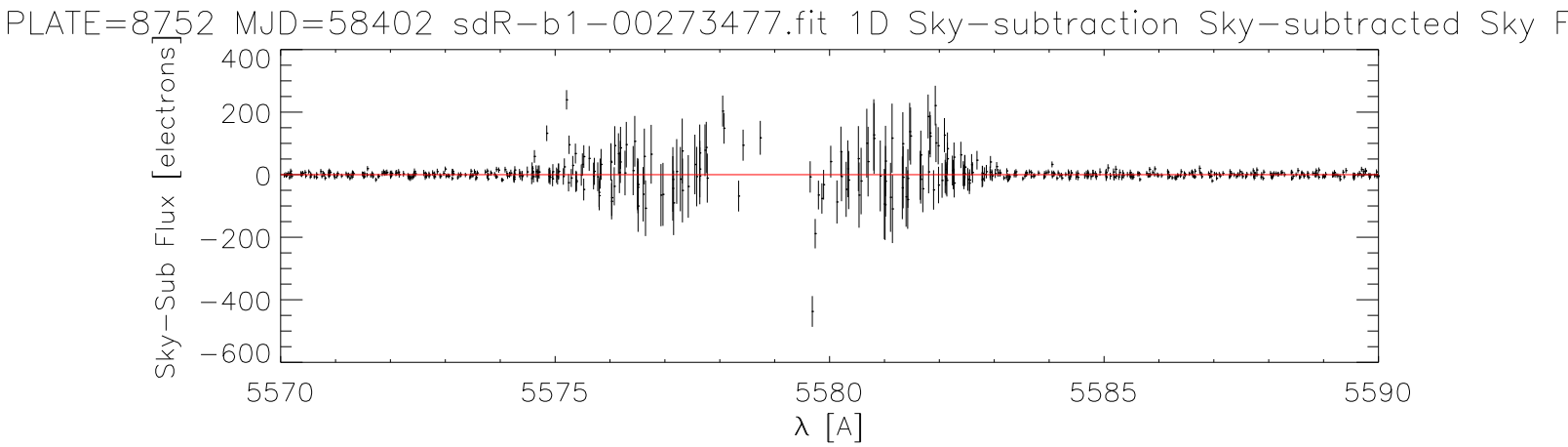

PLATE=8752 MJD=58402 Extraction chi^2 for sdR-b1-00273477.fit
BLACK = Final chisq extraction
χ^2
1.0
0.8
0.6
0.4
0.2
0.0
0
1000
2000
3000
4000
Row number


PLATE=8752 MJD=58402 Sky Line Deviations for sdR-b1-00273477.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

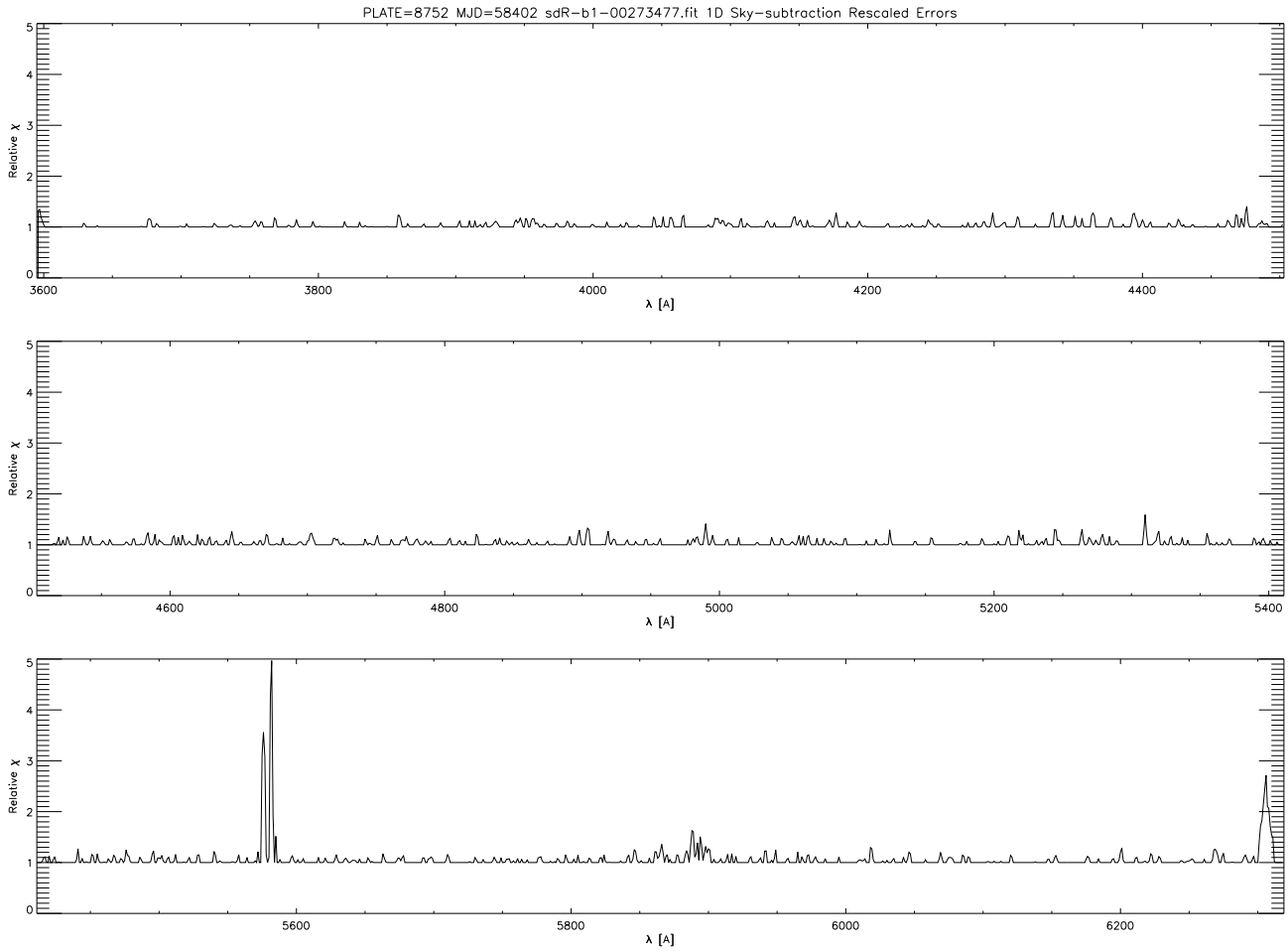

PLATE=8752 MJD=58402 Smooth superflat for sdR-b1-00273477.fit
2.0
1.5
1.0
0.5
0.0
1.04
1.02
1.00
0.98
0.96
3000
4000
5000
6000
7000
Wavelength (Å)

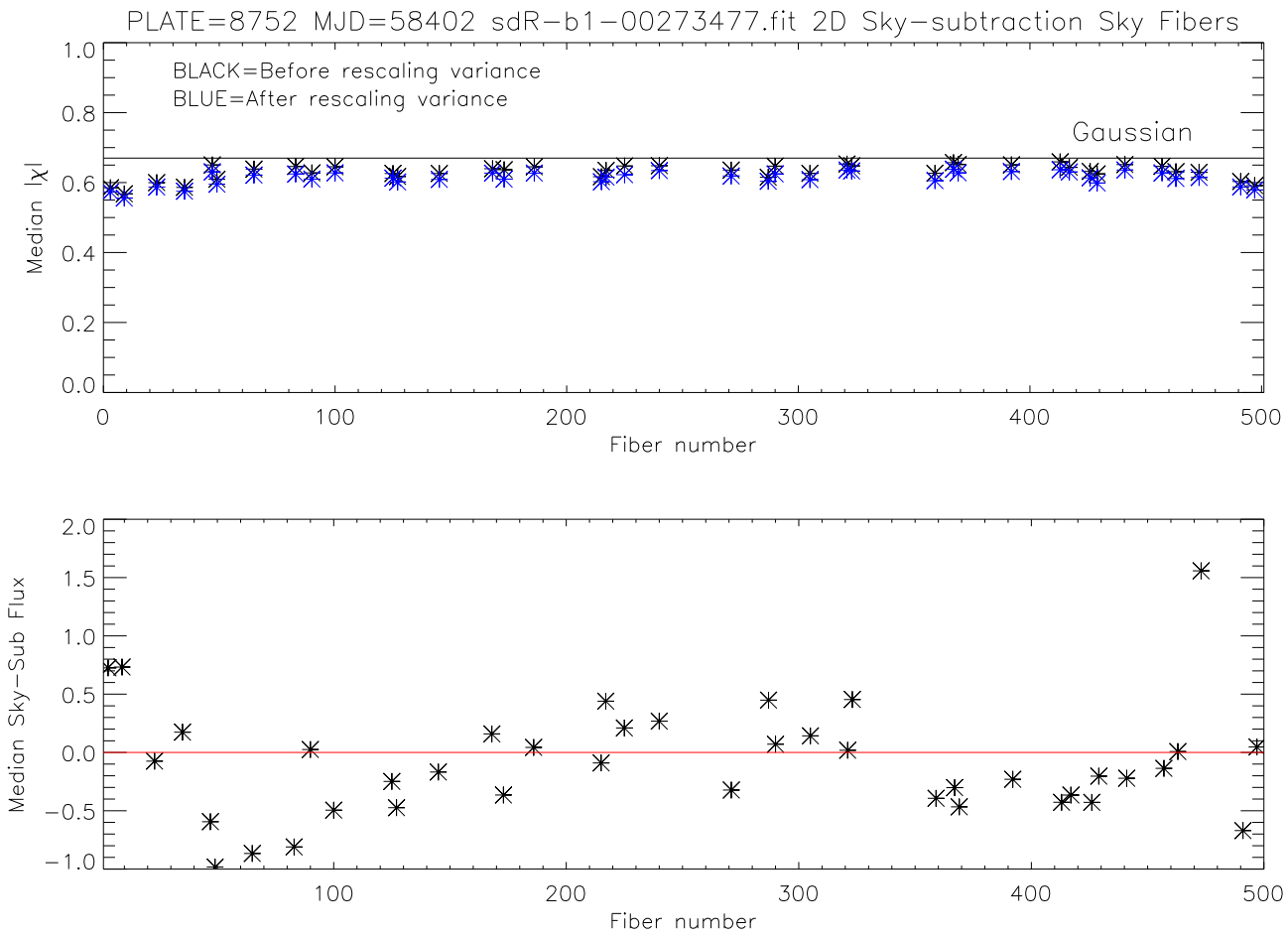

PLATE=8752 MJD=58402 sdR-b1-00273477.fit 1D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

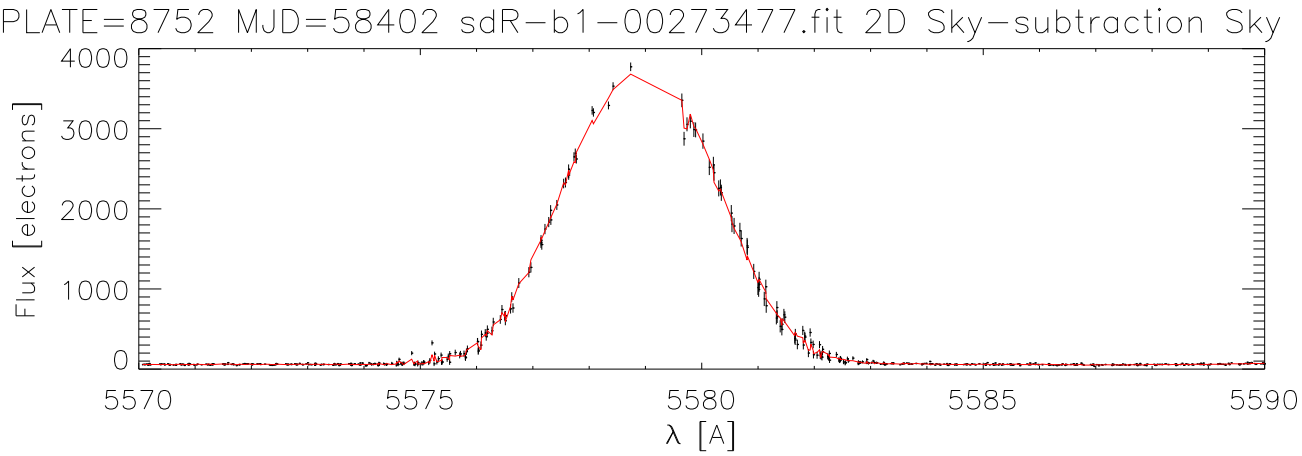

PLATE=8752 MJD=58402 sdR-b1-00273477.fit 1D Sky-subtraction Sky Fibers
Flux [electrons]
4000
3000
2000
1000
0
5570
5575
5580
5585
5590
λ [A]

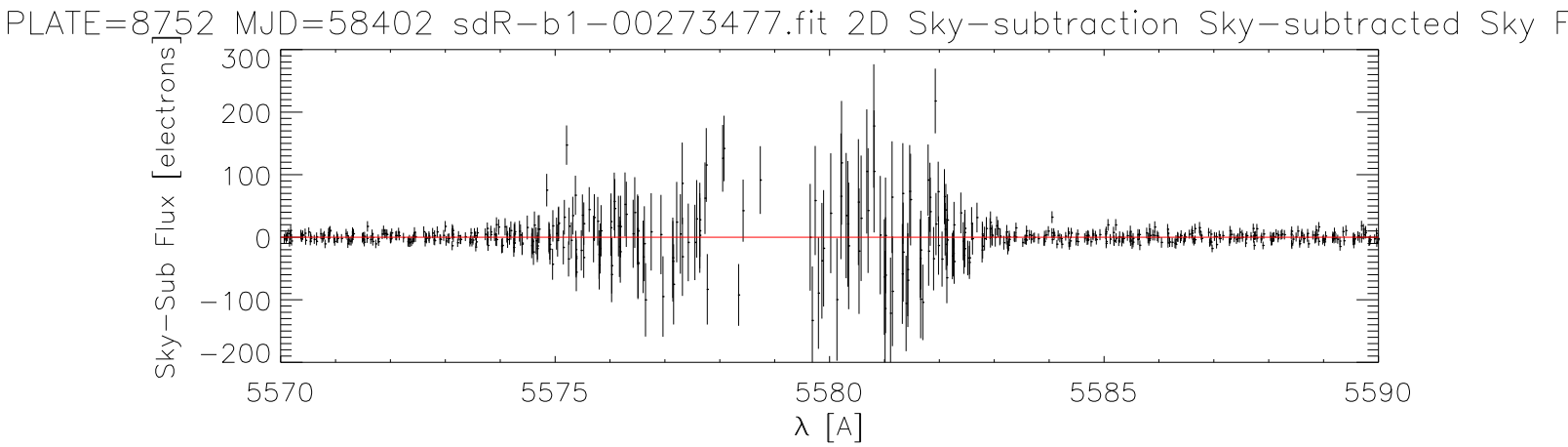

PLATE=8752 MJD=58402 sdR-b1-00273477.fit 1D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
400
200
0
-200
-400
-600
5570
5575
5580
5585
5590
λ [A]

Number of sky fibers = 40

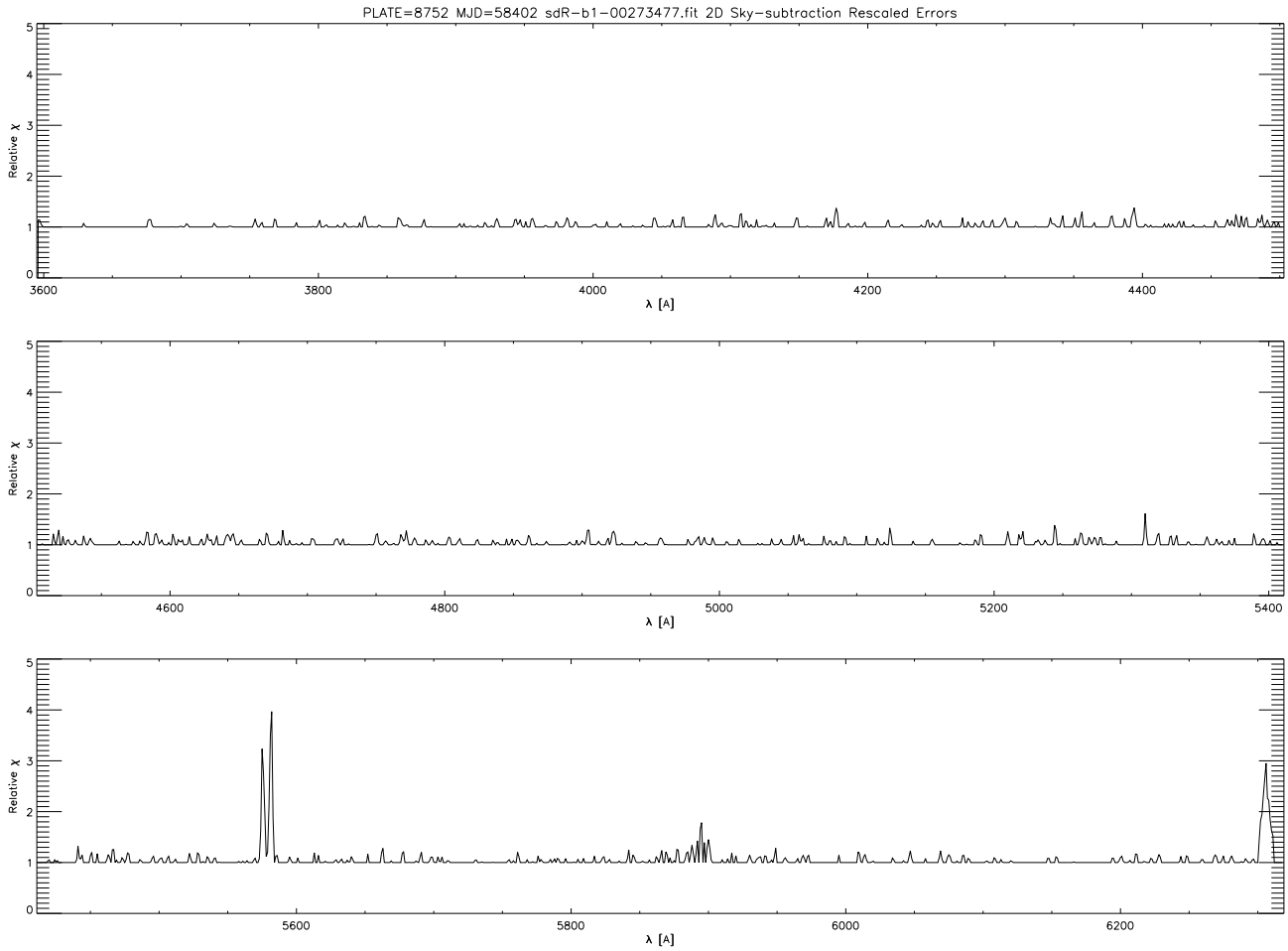


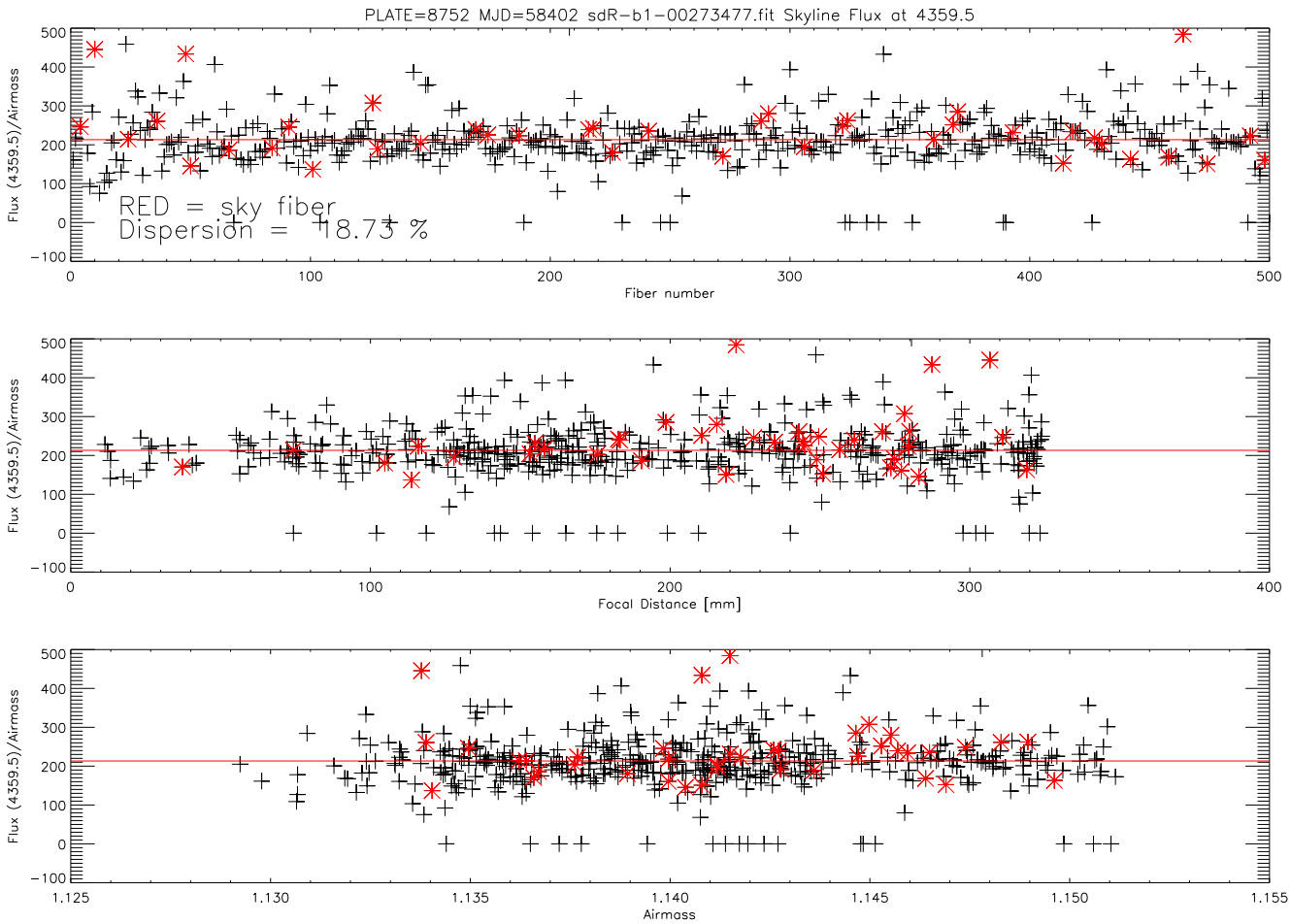

PLATE=8752 MJD=58402 sdR-b1-00273477.fit 2D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

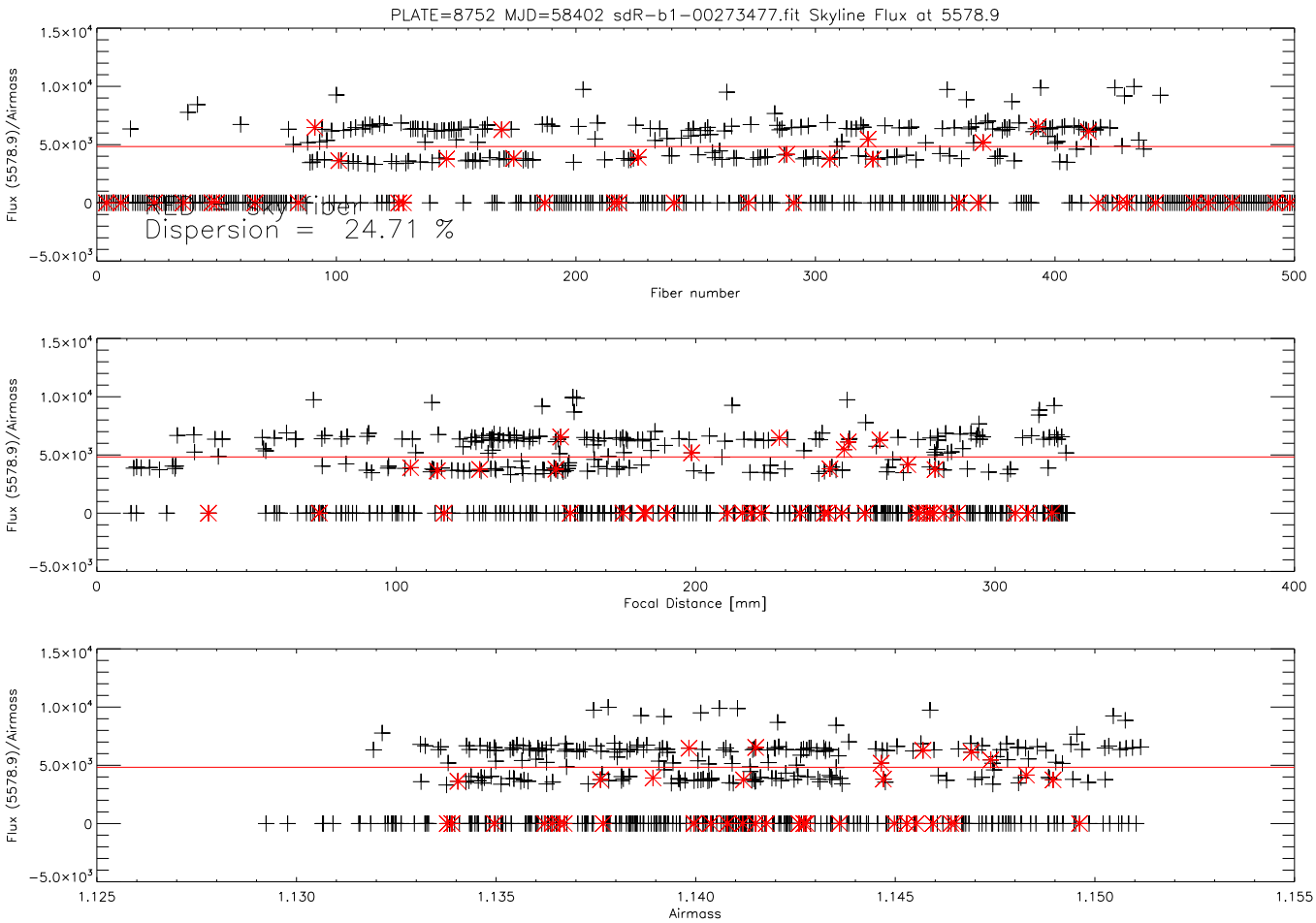

PLATE=8752 MJD=58402 sdR-b1-00273477.fit 2D Sky-subtraction Sky Fibers
Flux [electrons]
4000
3000
2000
1000
0
5570
5575
5580
5585
5590
λ [A]

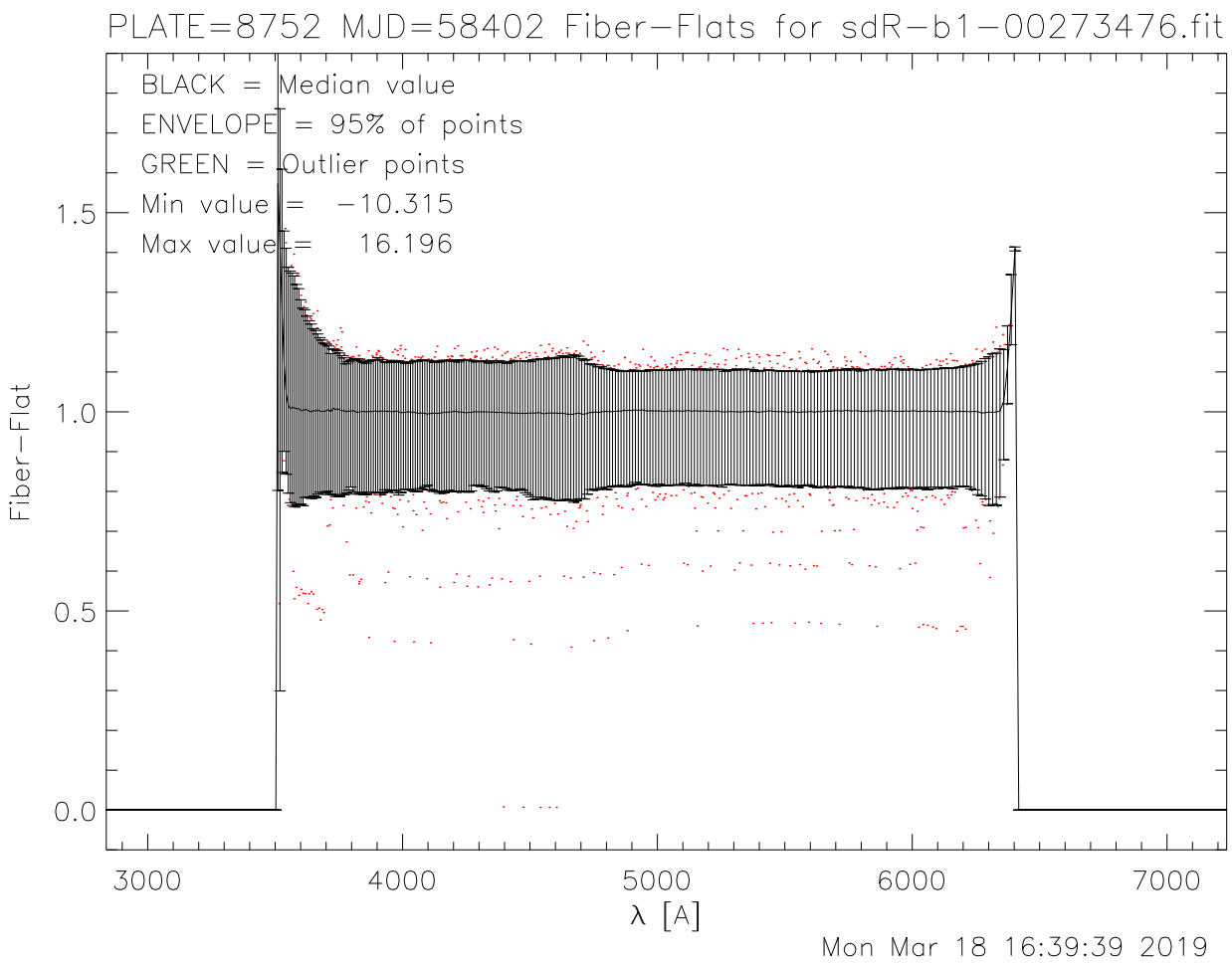

PLATE=8752 MJD=58402 sdR-b1-00273477.fit 2D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
300
200
100
0
-100
-200
5570
5575
5580
5585
5590
λ [A]

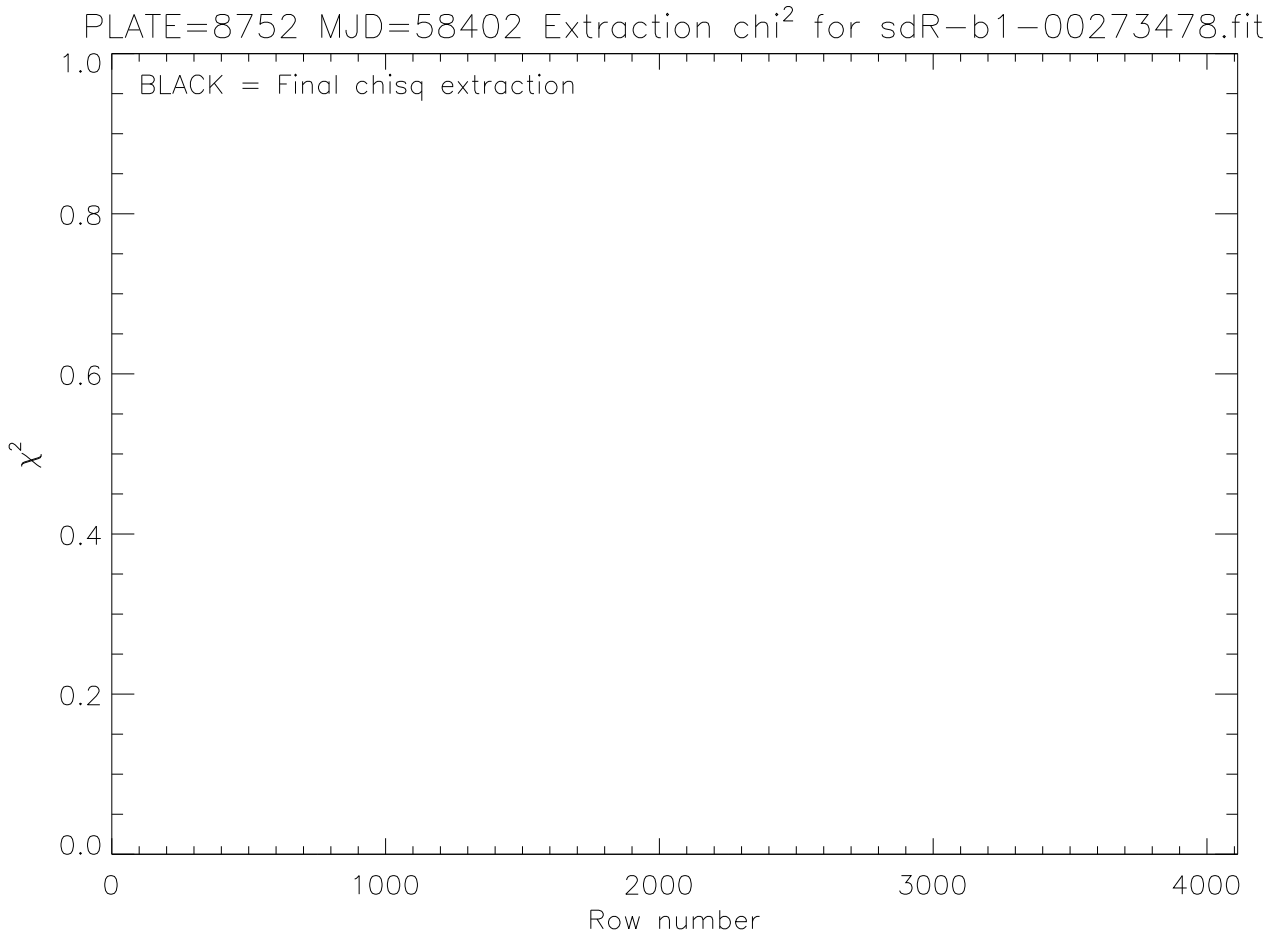
Number of sky fibers = 40

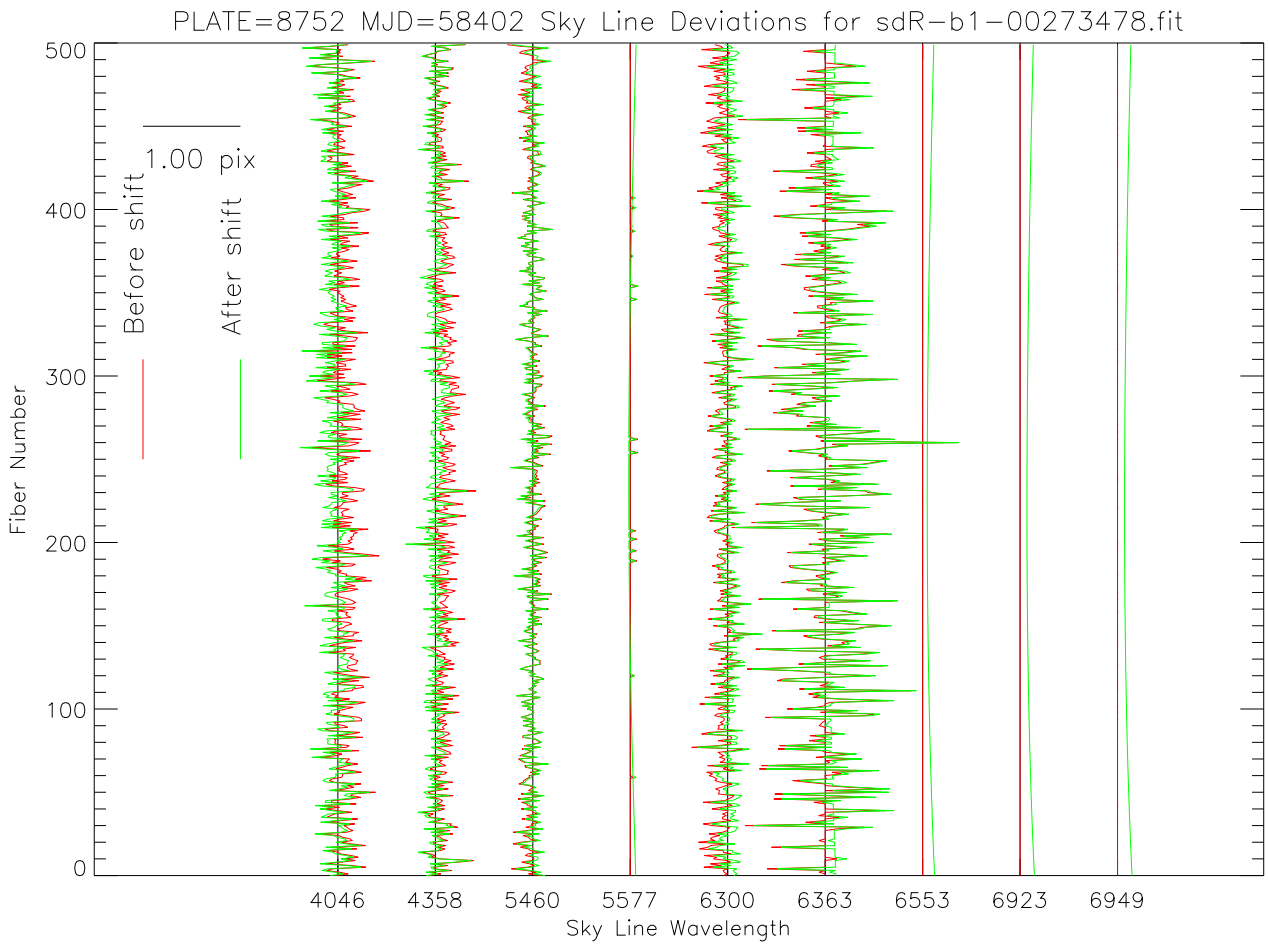


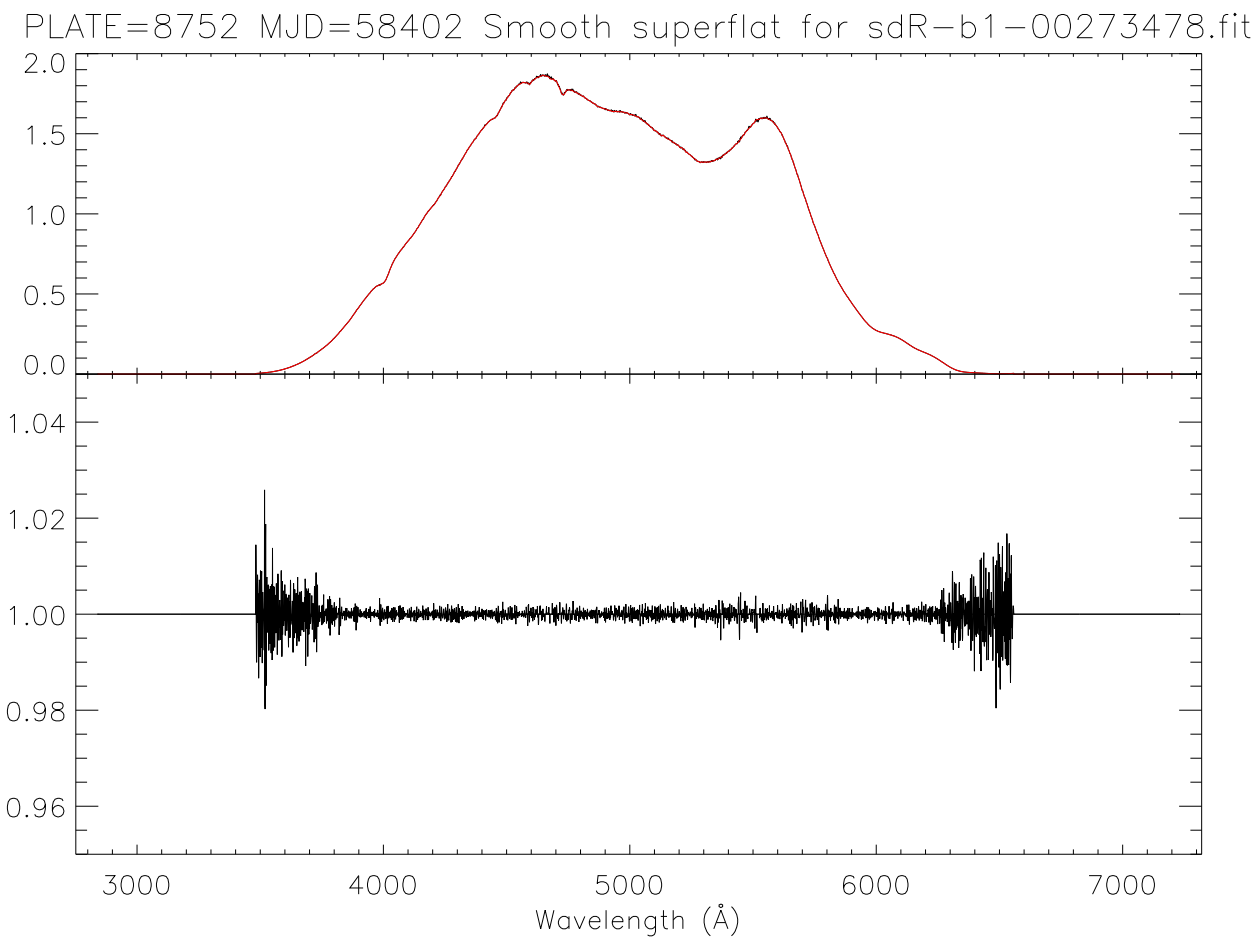

PLATE=8752 MJD=58402 sdR-b1-00273477.fit Skyline Flux at 4359.5
Flux (4359.5)/Airmass
RED = sky fiber
Dispersion = 18.73 %
Fiber number
Flux (4359.5)/Airmass
Focal Distance [mm]
Flux (4359.5)/Airmass
Airmass

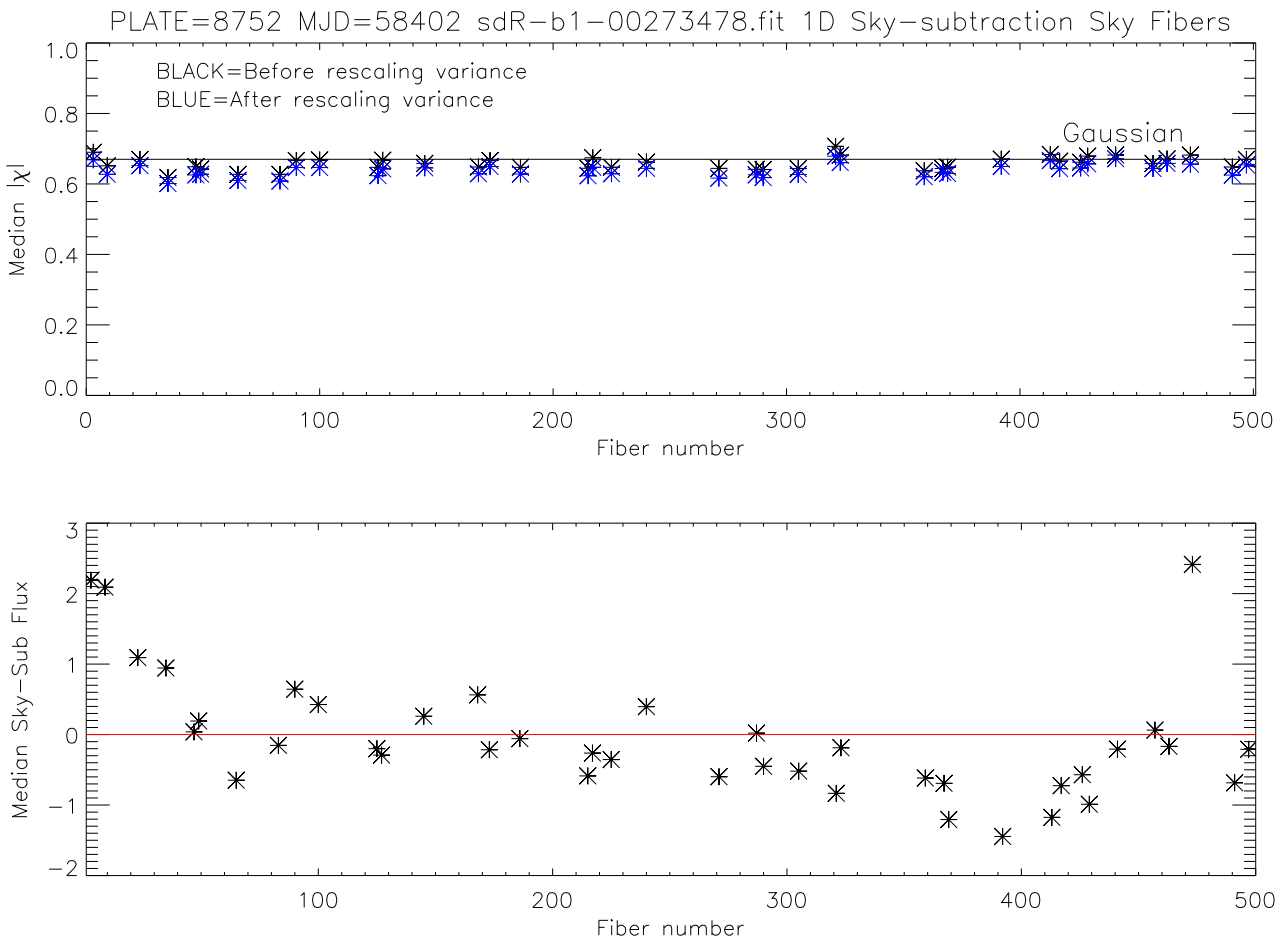

PLATE=8752 MJD=58402 sdR-b1-00273477.fit Skyline Flux at 5578.9
Flux (5578.9)/Airmass
1.5×10⁴
1.0×10⁴
5.0×10³
0
−5.0×10³
Red Sky Fiber
Dispersion = 24.71 %
0
100
200
300
400
500
Fiber number
Flux (5578.9)/Airmass
Focal Distance [mm]
Flux (5578.9)/Airmass
1.125
1.130
1.135
1.140
1.145
1.150
1.155
Airmass

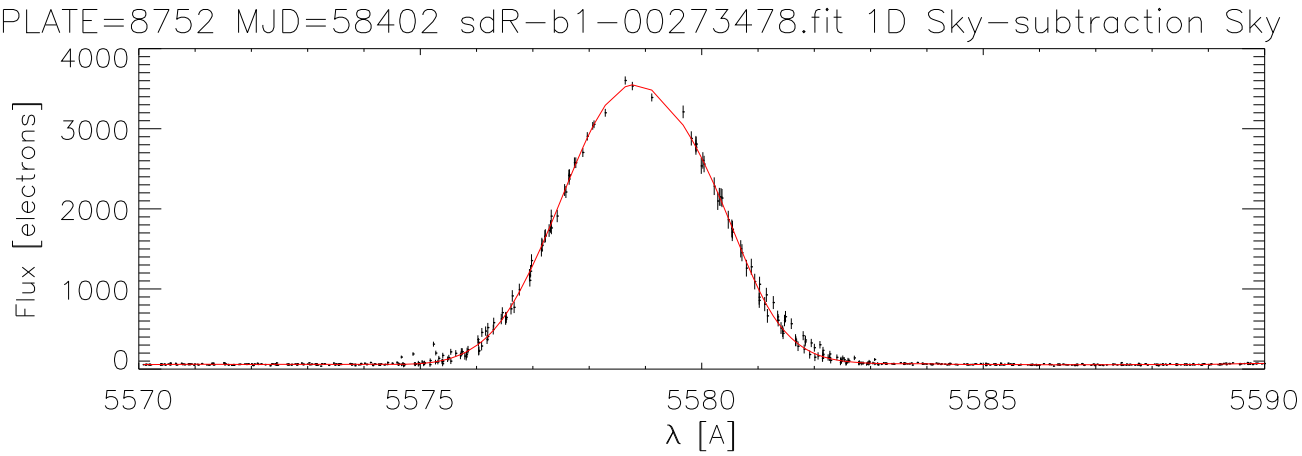

PLATE=8752 MJD=58402 Fiber-Flats for sdR-b1-00273476.fit
BLACK = Median value
ENVELOPE = 95% of points
GREEN = Outlier points
Min value = -10.315
Max value = 16.196
Fiber-Flat
0.0
0.5
1.0
1.5
3000
4000
5000
6000
7000
λ [A]
Mon Mar 18 16:39:39 2019

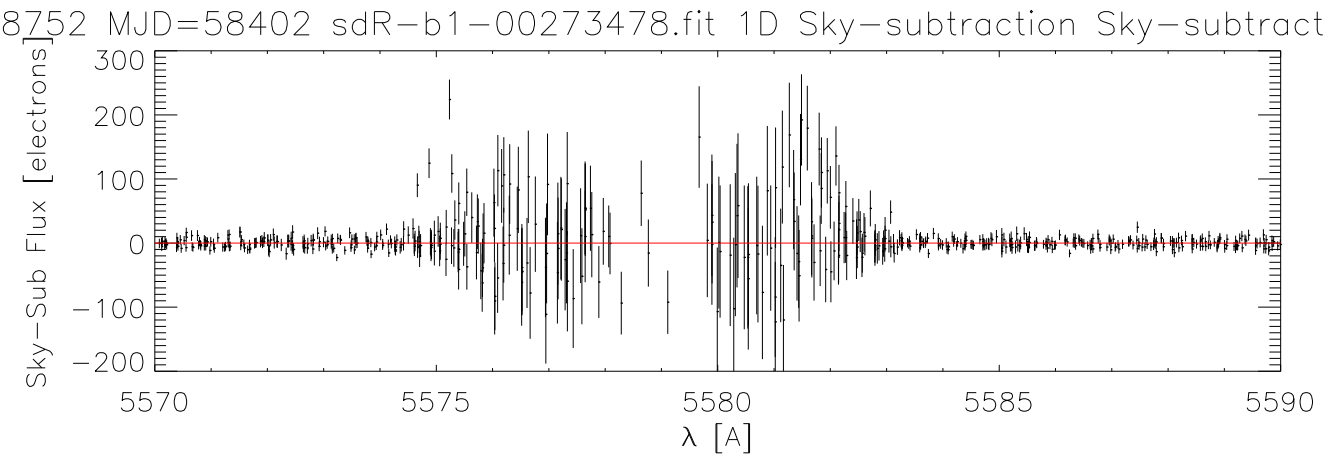

PLATE=8752 MJD=58402 Extraction chi^2 for sdR-b1-00273478.fit
BLACK = Final chisq extraction
χ^2
1.0
0.8
0.6
0.4
0.2
0.0
0
1000
2000
3000
4000
Row number


PLATE=8752 MJD=58402 Sky Line Deviations for sdR-b1-00273478.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

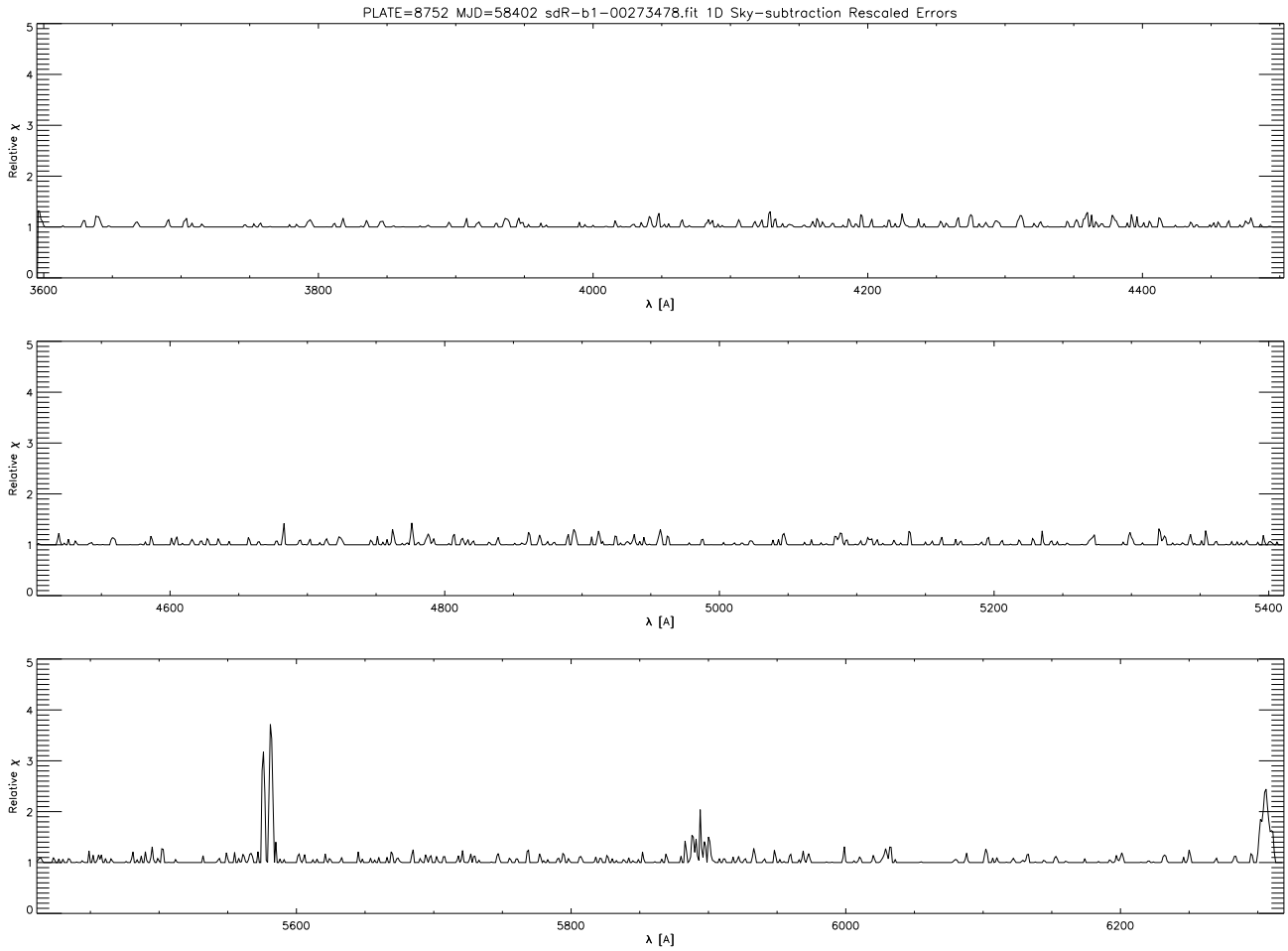

PLATE=8752 MJD=58402 Smooth superflat for sdR-b1-00273478.fit
2.0
1.5
1.0
0.5
0.0
1.04
1.02
1.00
0.98
0.96
3000
4000
5000
6000
7000
Wavelength (Å)

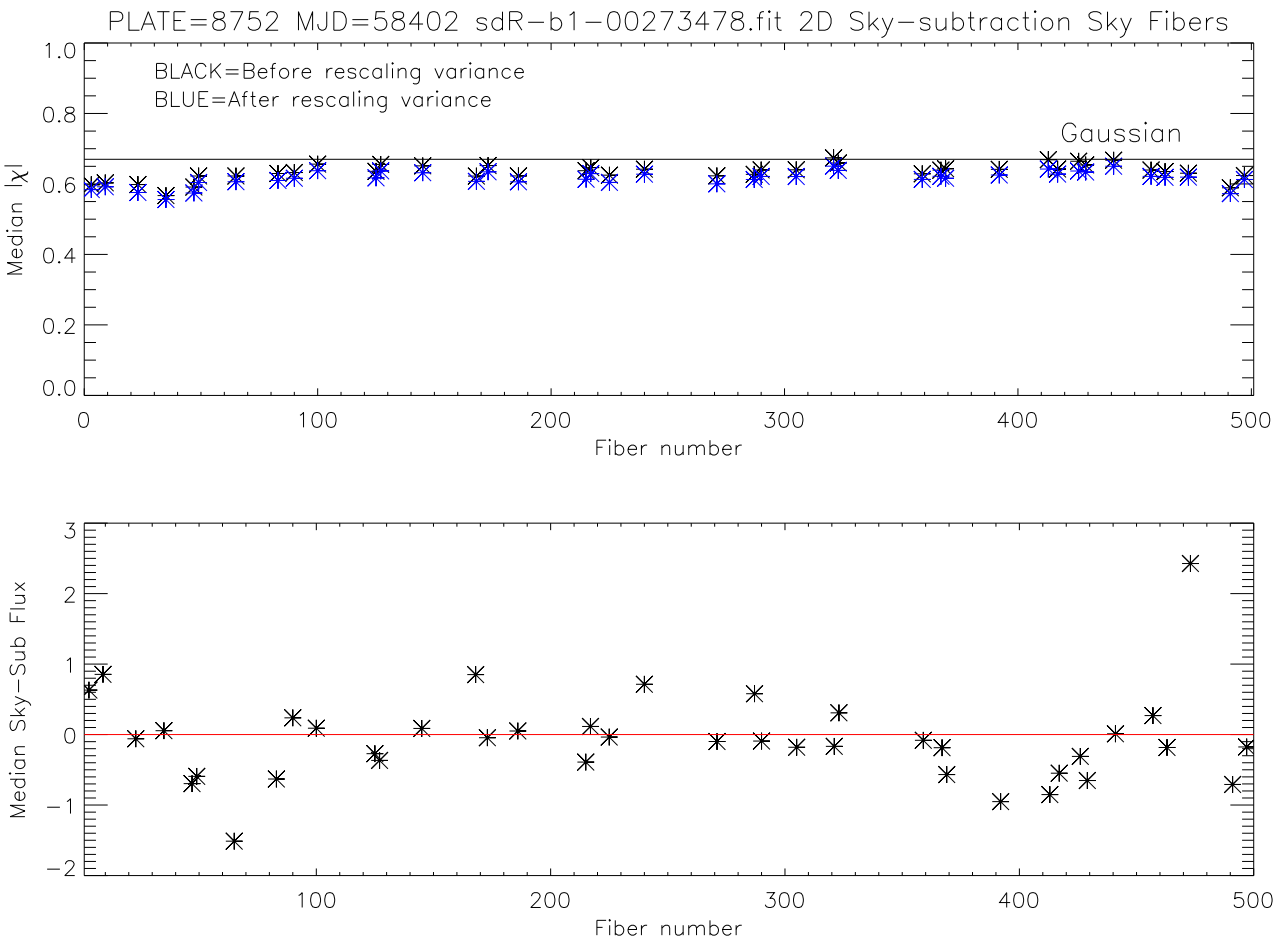

PLATE=8752 MJD=58402 sdR-b1-00273478.fit 1D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

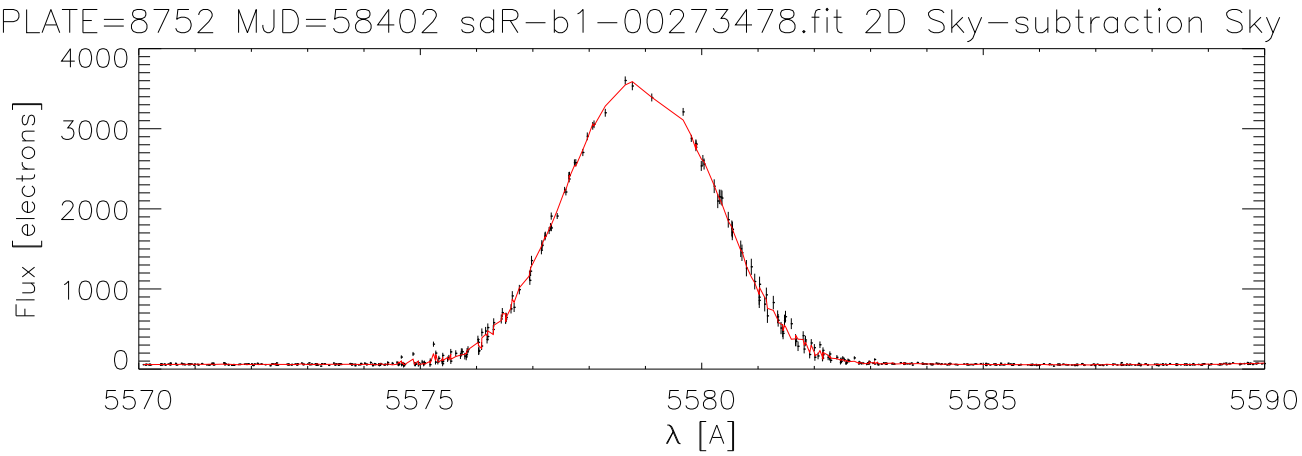

PLATE=8752 MJD=58402 sdR-b1-00273478.fit 1D Sky-subtraction Sky Fibers
Flux [electrons]
4000
3000
2000
1000
0
5570
5575
5580
5585
5590
λ [A]

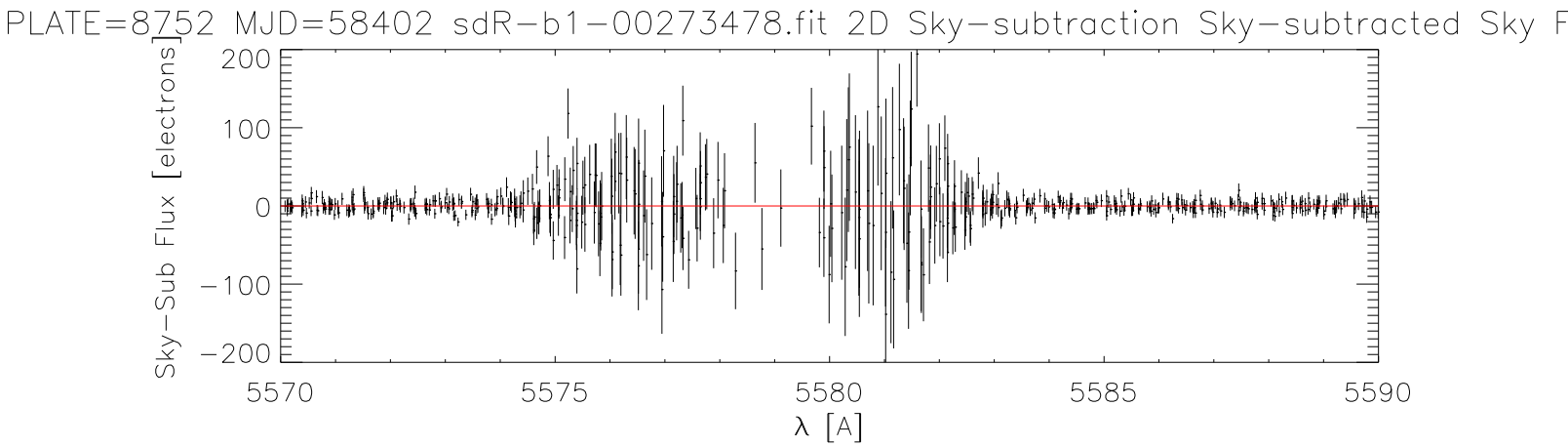

PLATE=8752 MJD=58402 sdR-b1-00273478.fit 1D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
300
200
100
0
-100
-200
5570
5575
5580
5585
5590
λ [A]

Number of sky fibers = 40

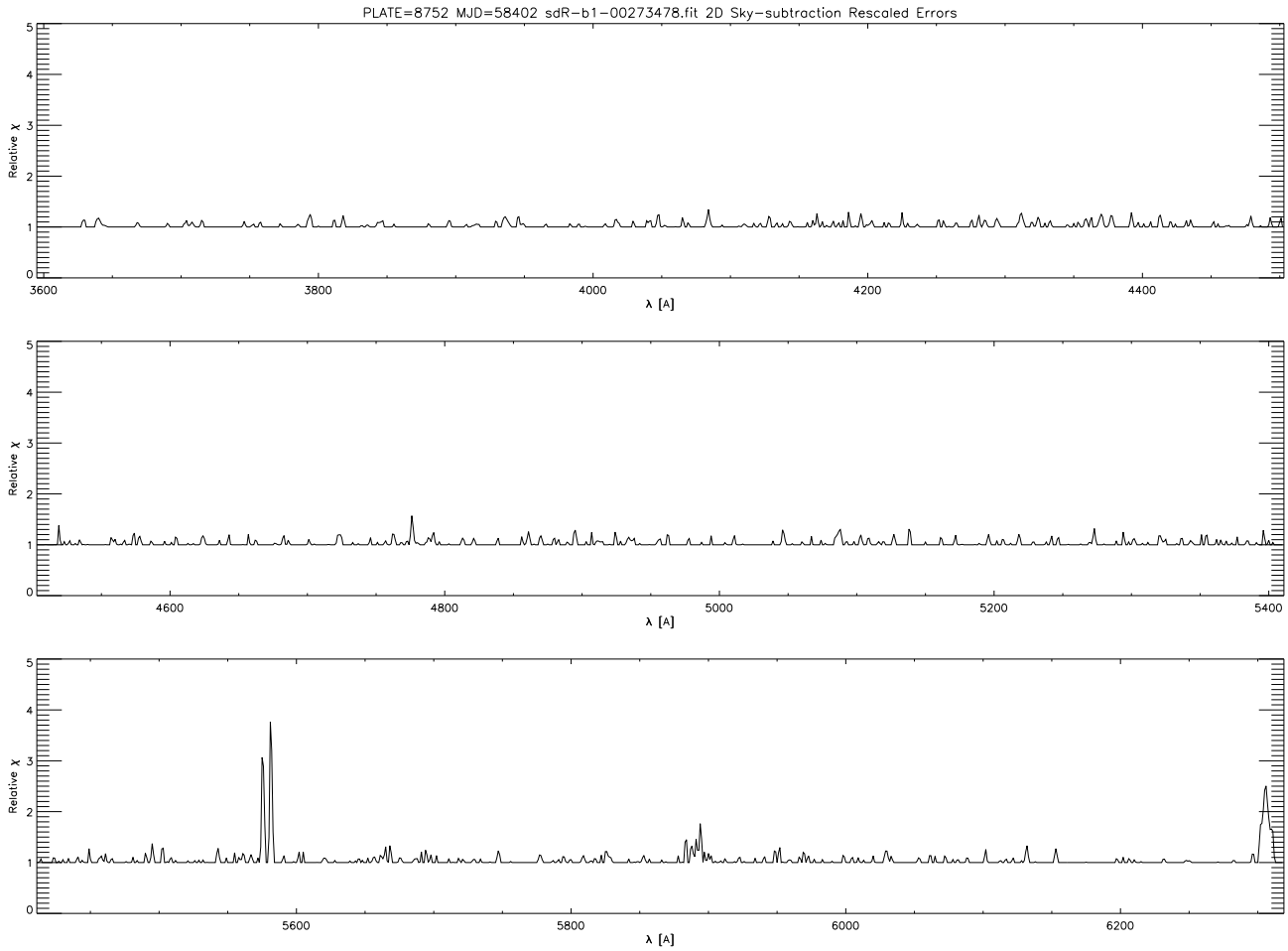


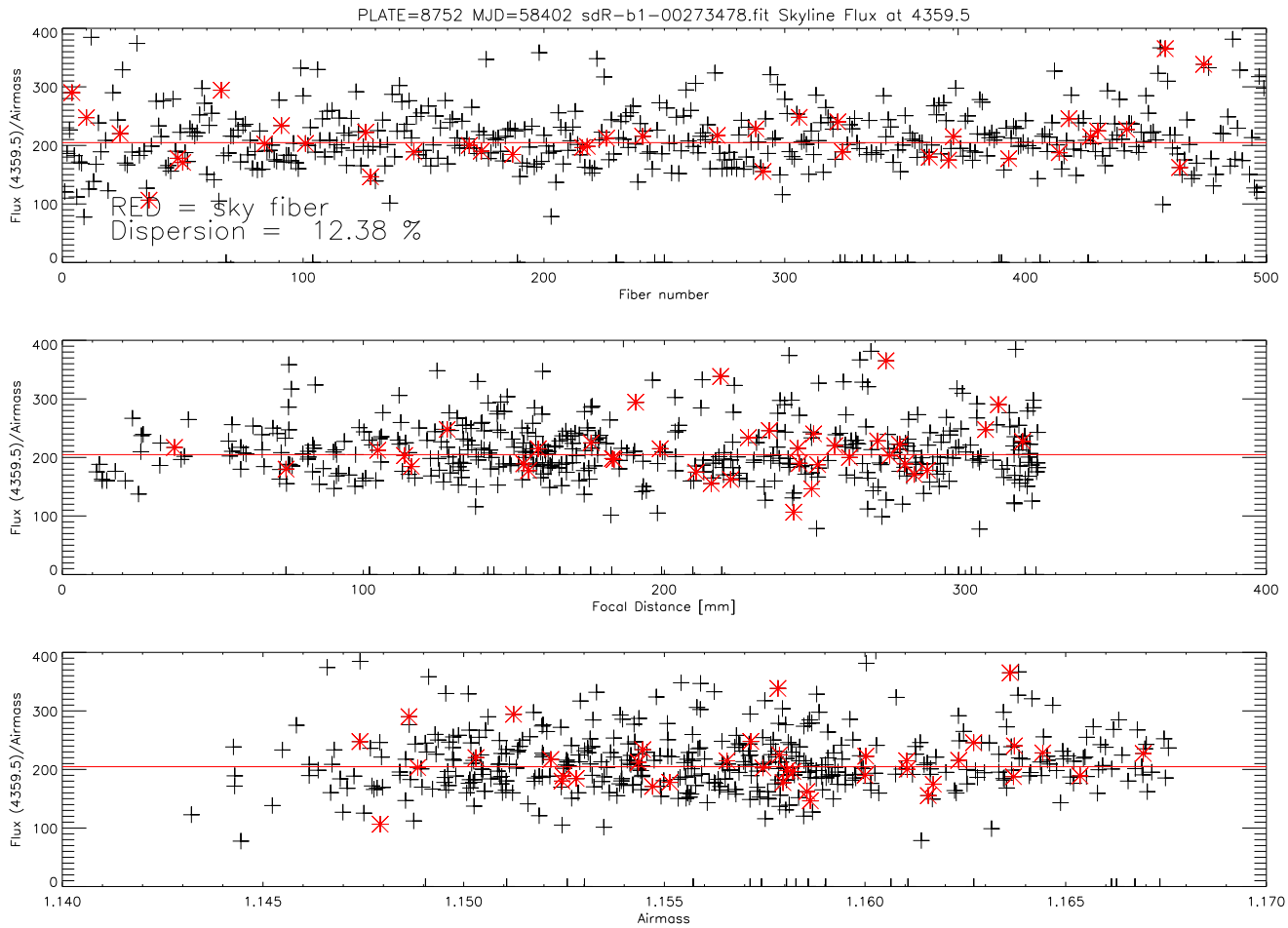

PLATE=8752 MJD=58402 sdR-b1-00273478.fit 2D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

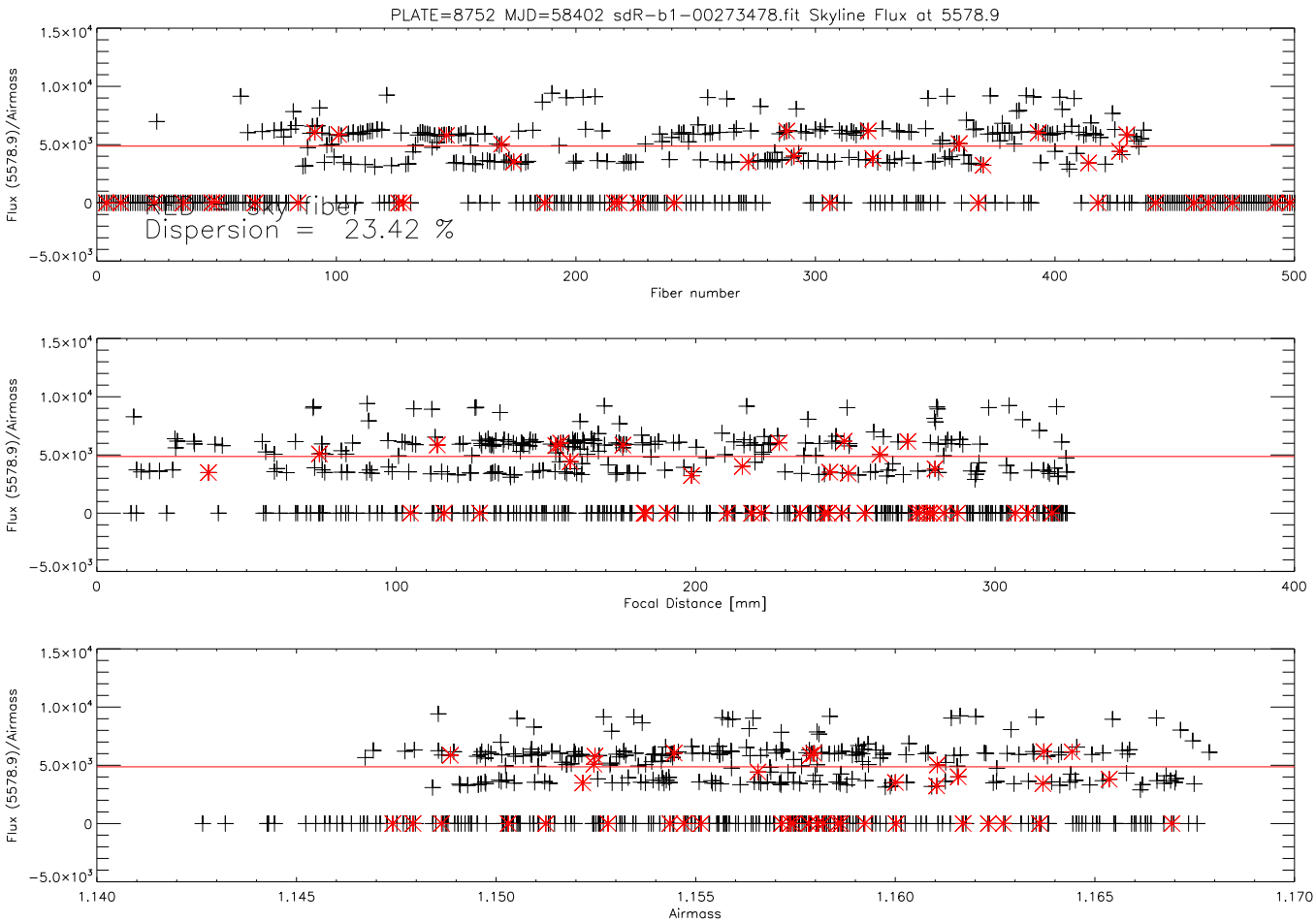

PLATE=8752 MJD=58402 sdR-b1-00273478.fit 2D Sky-subtraction Sky Fibers
Flux [electrons]
4000
3000
2000
1000
0
5570
5575
5580
5585
5590
λ [A]

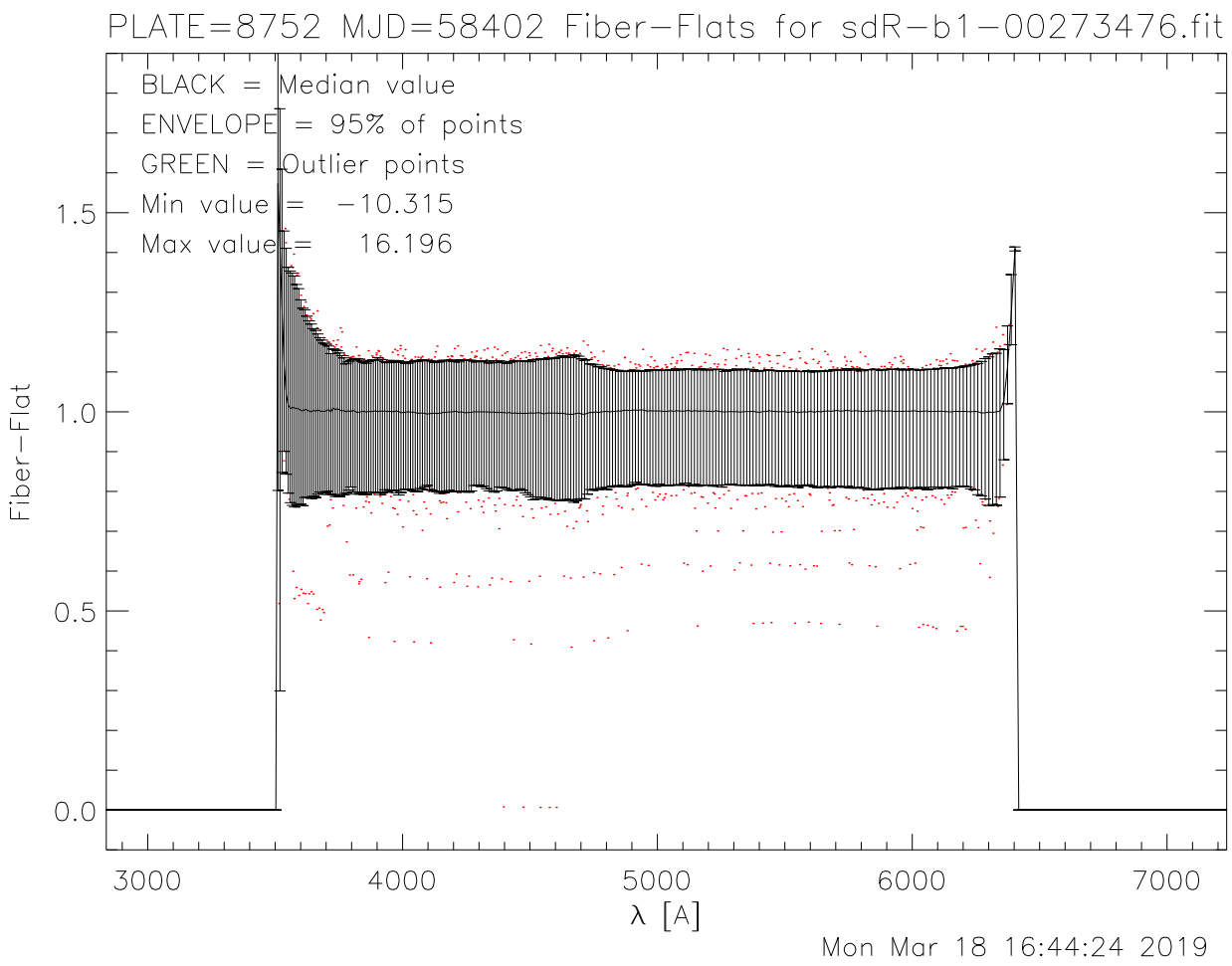

PLATE=8752 MJD=58402 sdR-b1-00273478.fit 2D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
200
100
0
-100
-200
5570
5575
5580
5585
5590
λ [A]

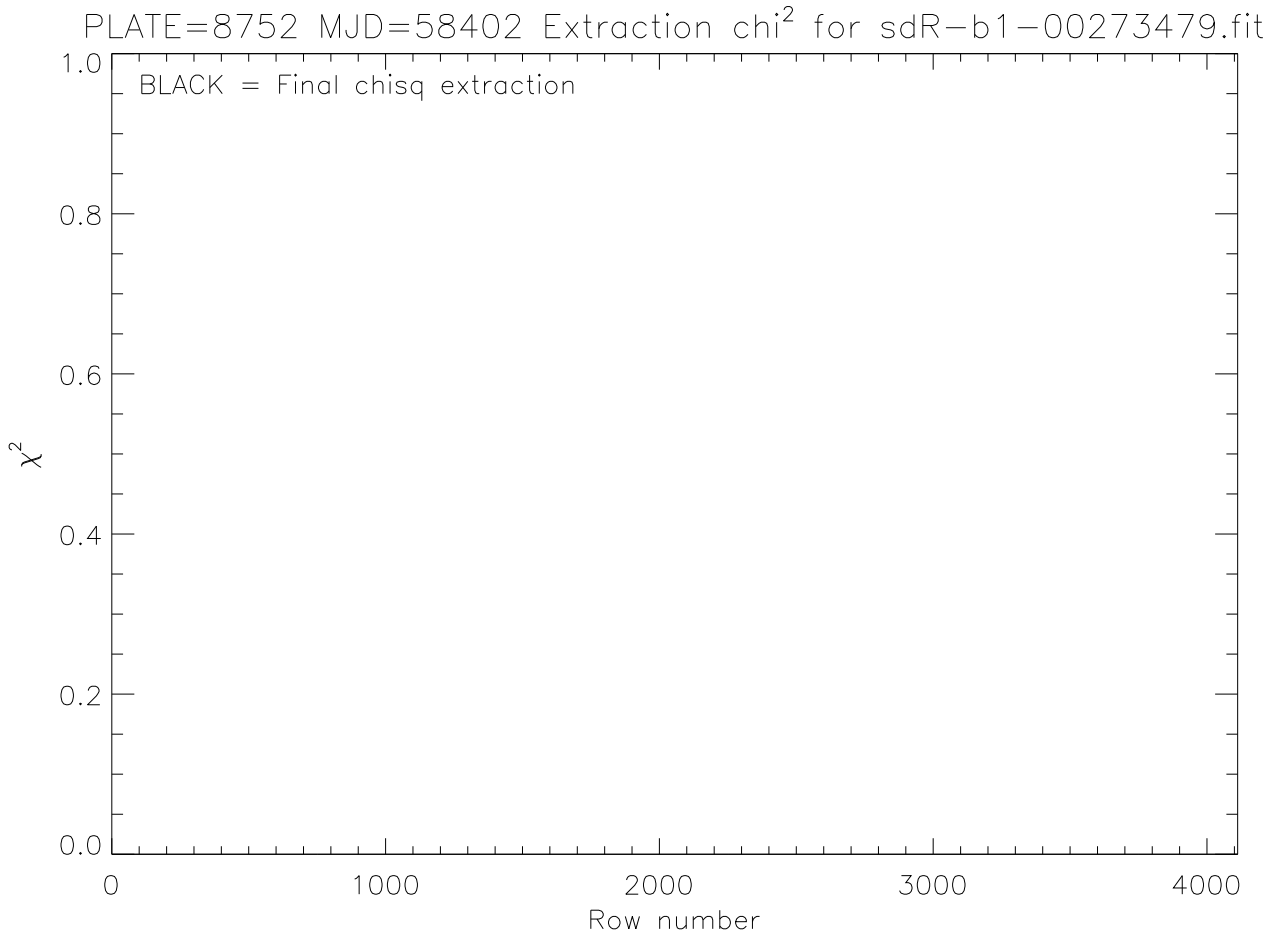
Number of sky fibers = 40

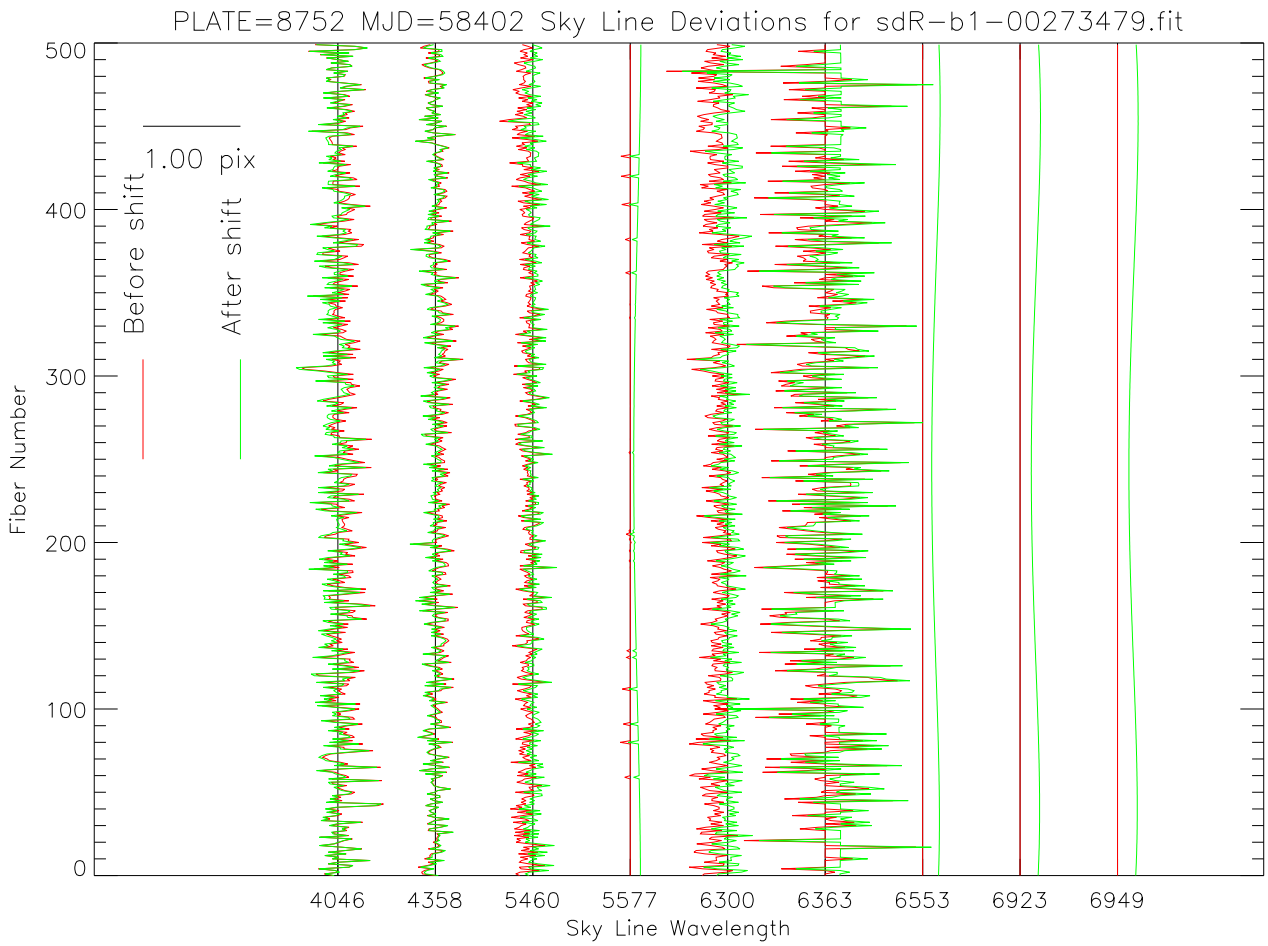


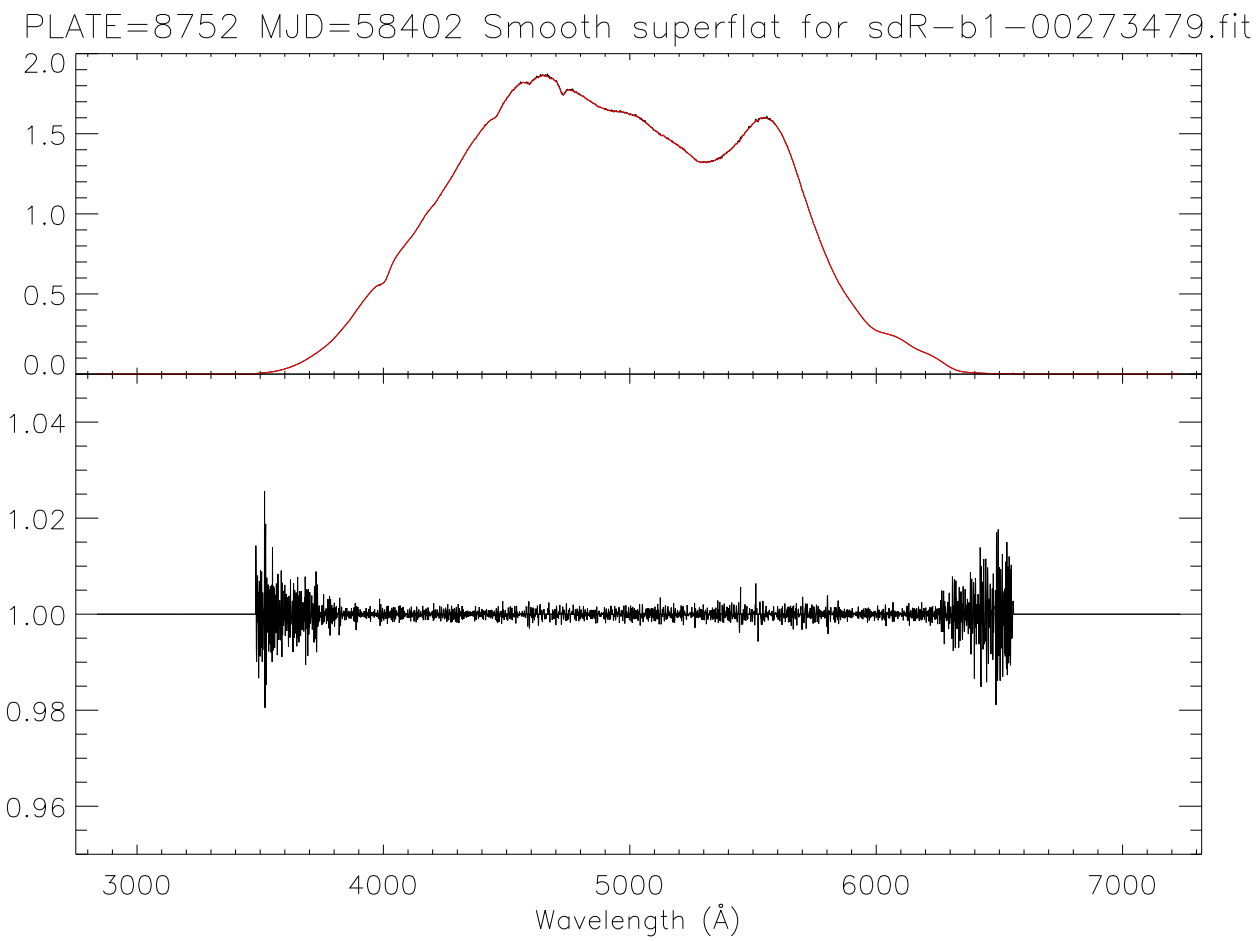

PLATE=8752 MJD=58402 sdR-b1-00273478.fit Skyline Flux at 4359.5
Flux (4359.5)/Airmass
RED = sky fiber
Dispersion = 12.38 %
Fiber number
Flux (4359.5)/Airmass
Focal Distance [mm]
Flux (4359.5)/Airmass
Airmass

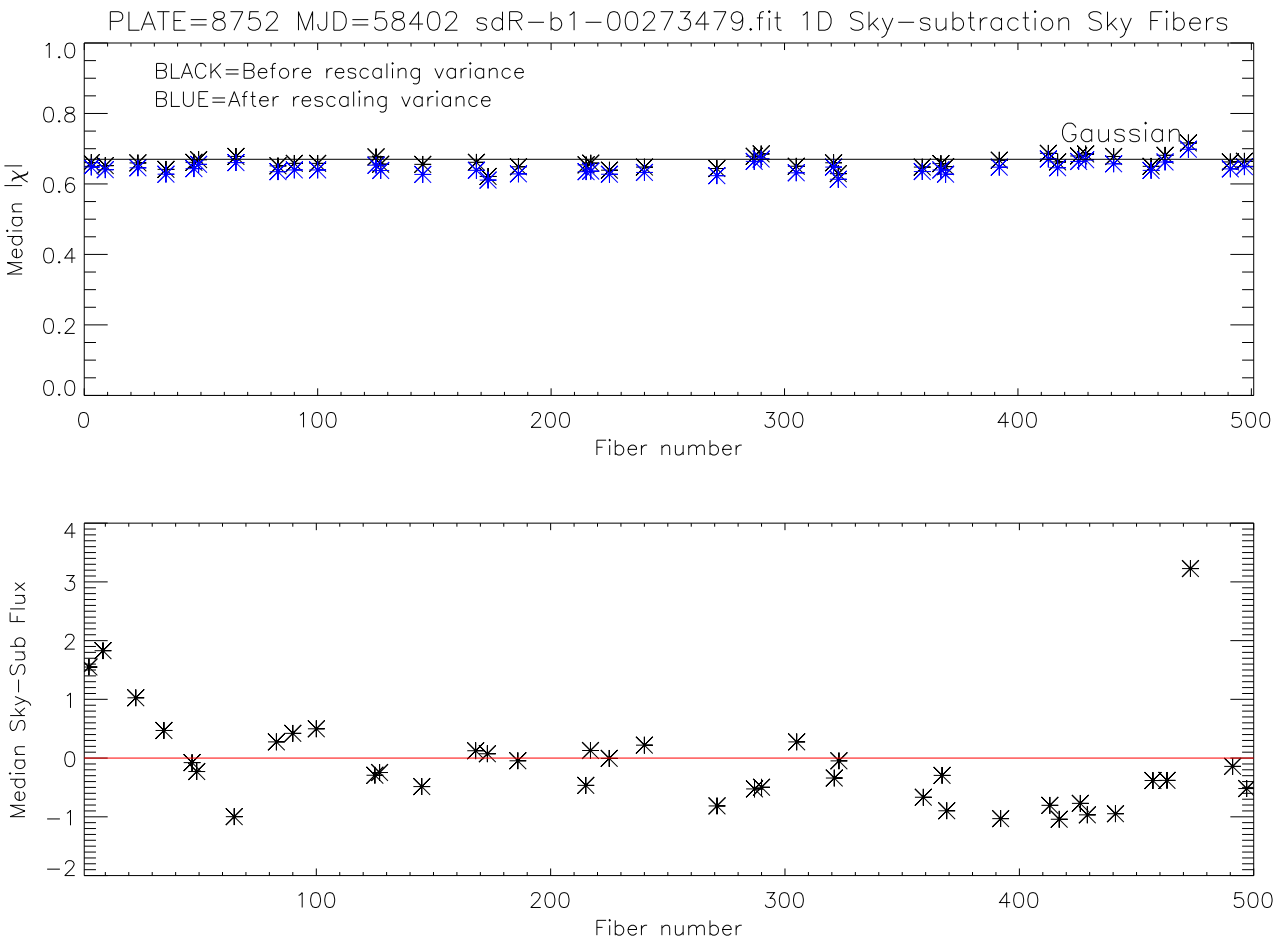

PLATE=8752 MJD=58402 sdR-b1-00273478.fit Skyline Flux at 5578.9
Flux (5578.9)/Airmass
1.5×10⁴
1.0×10⁴
5.0×10³
0
−5.0×10³
Red sky fiber
Dispersion = 23.42 %
0
100
200
300
400
500
Fiber number
Flux (5578.9)/Airmass
Focal Distance [mm]
Flux (5578.9)/Airmass
1.140
1.145
1.150
1.155
1.160
1.165
1.170
Airmass

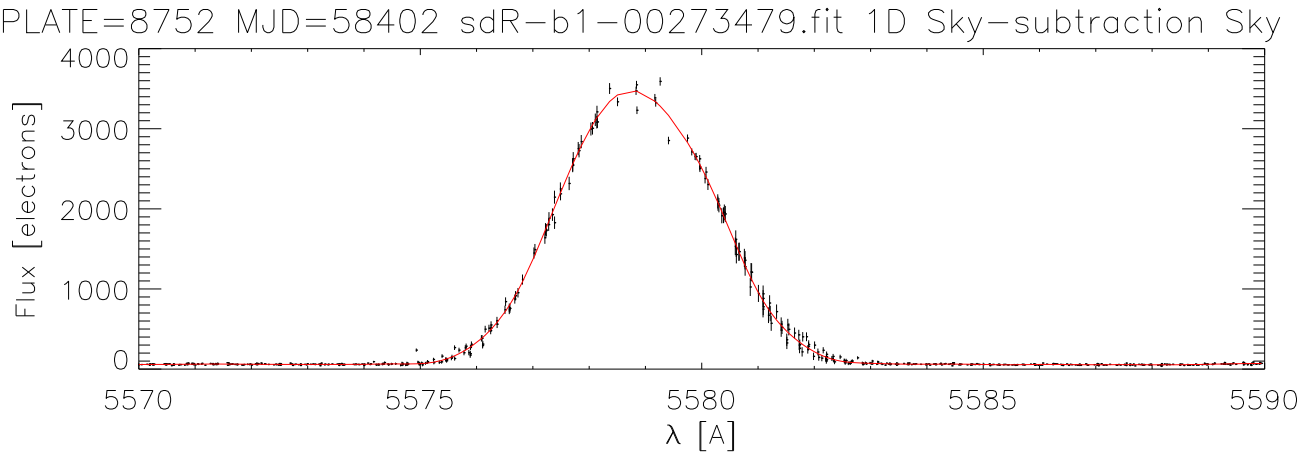

PLATE=8752 MJD=58402 Fiber-Flats for sdR-b1-00273476.fit
BLACK = Median value
ENVELOPE = 95% of points
GREEN = Outlier points
Min value = -10.315
Max value = 16.196
Fiber-Flat
0.0
0.5
1.0
1.5
3000
4000
5000
6000
7000
λ [A]
Mon Mar 18 16:44:24 2019

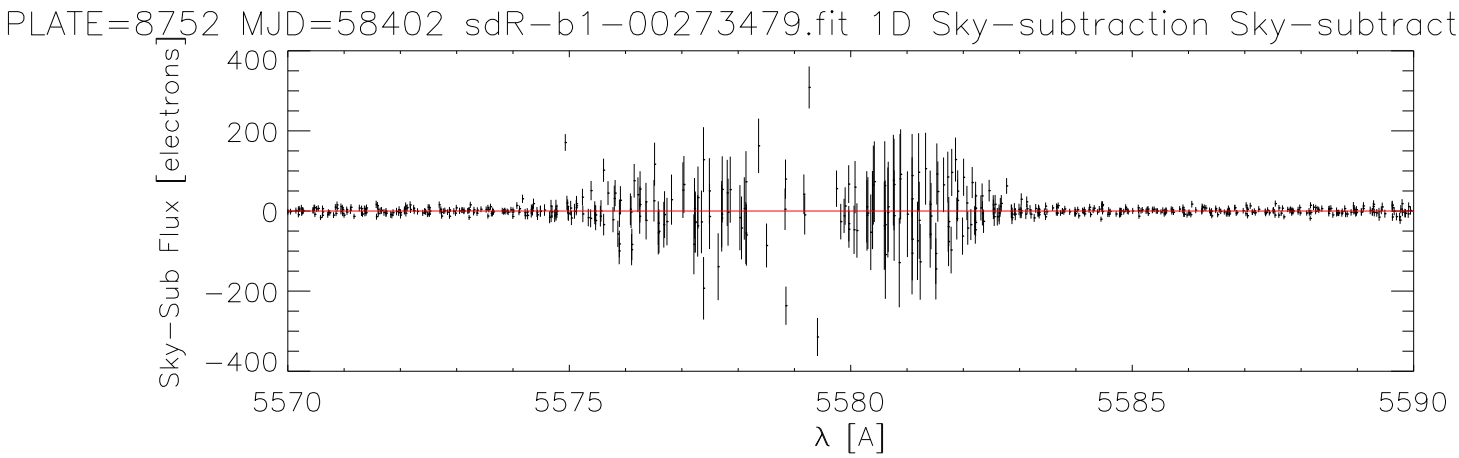

PLATE=8752 MJD=58402 Extraction chi^2 for sdR−b1−00273479.fit
BLACK = Final chisq extraction
χ^2
1.0
0.8
0.6
0.4
0.2
0.0
0
1000
2000
3000
4000
Row number


PLATE=8752 MJD=58402 Sky Line Deviations for sdR-b1-00273479.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

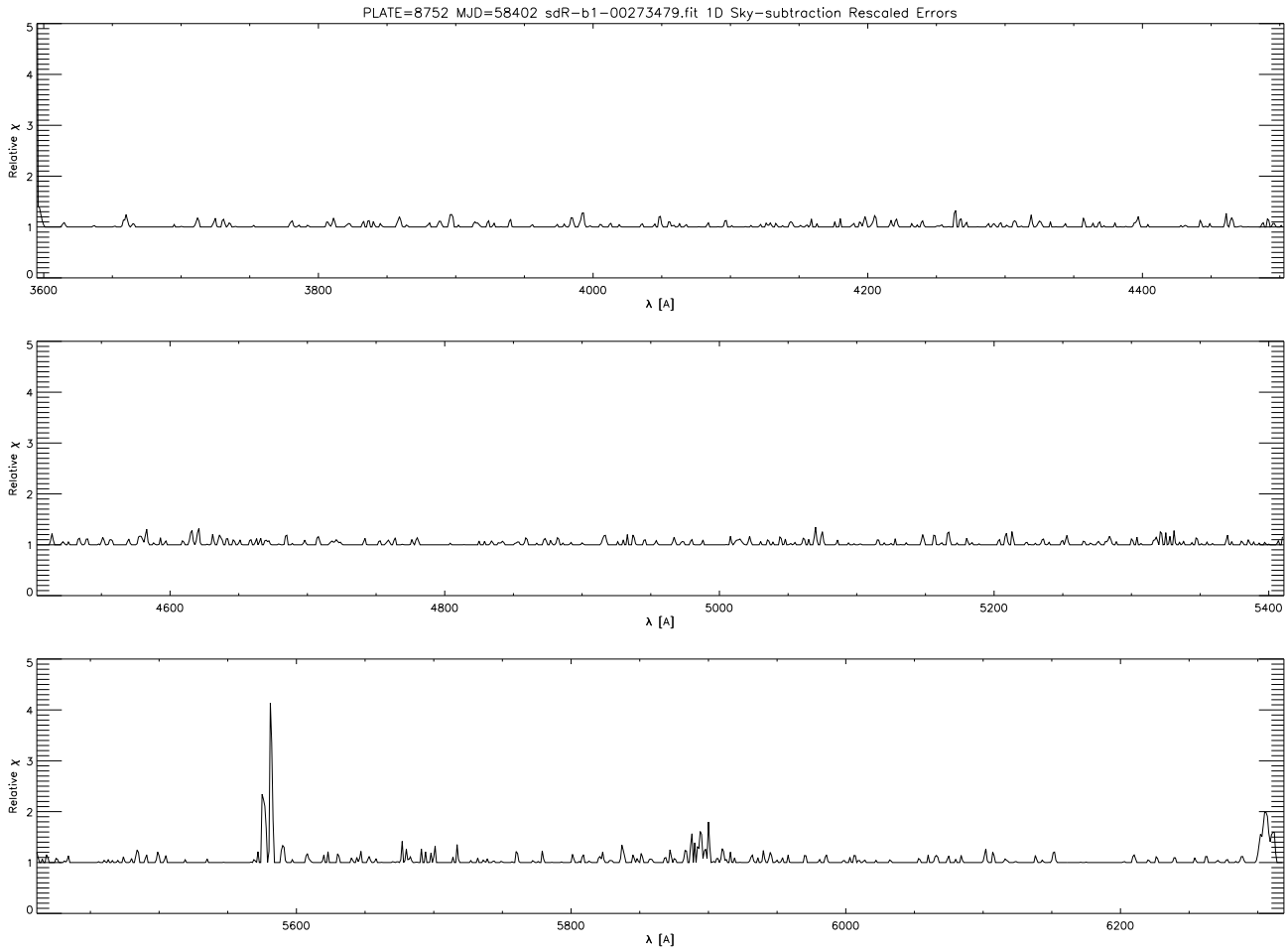

PLATE=8752 MJD=58402 Smooth superflat for sdR-b1-00273479.fit
2.0
1.5
1.0
0.5
0.0
1.04
1.02
1.00
0.98
0.96
3000
4000
5000
6000
7000
Wavelength (Å)

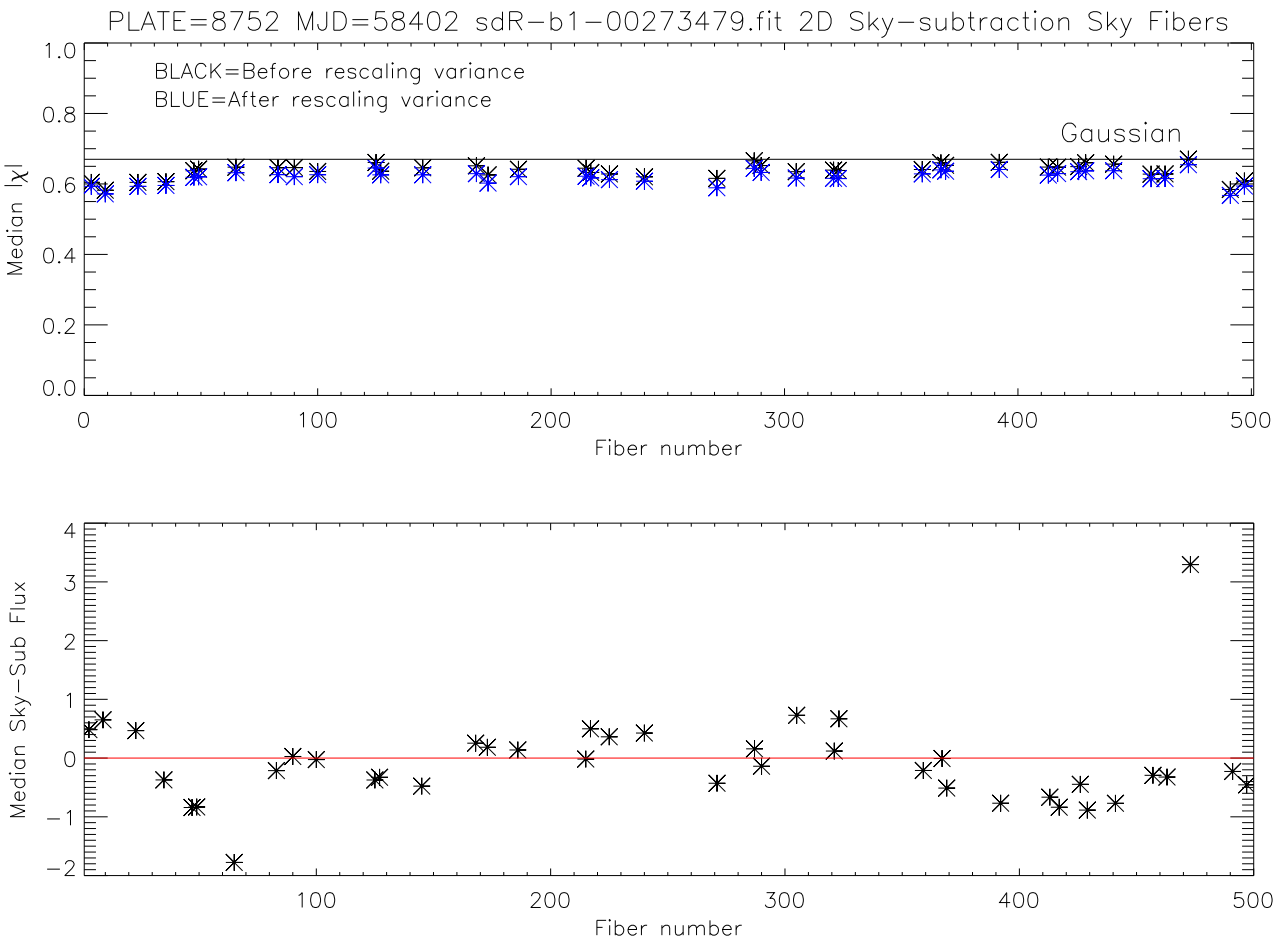

PLATE=8752 MJD=58402 sdR-b1-00273479.fit 1D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

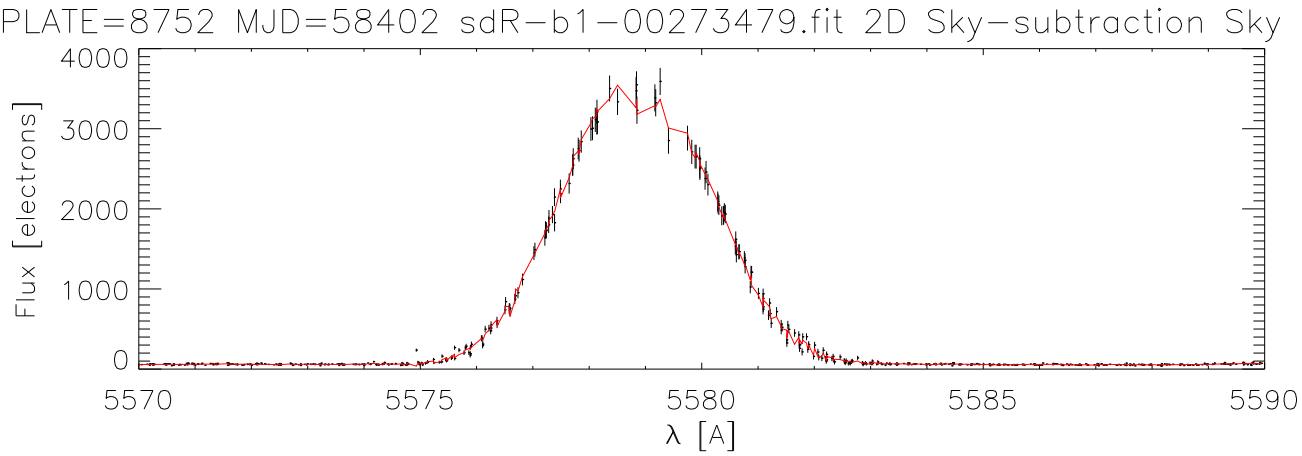

PLATE=8752 MJD=58402 sdR-b1-00273479.fit 1D Sky-subtraction Sky Fibers
Flux [electrons]
4000
3000
2000
1000
0
5570
5575
5580
5585
5590
λ [A]

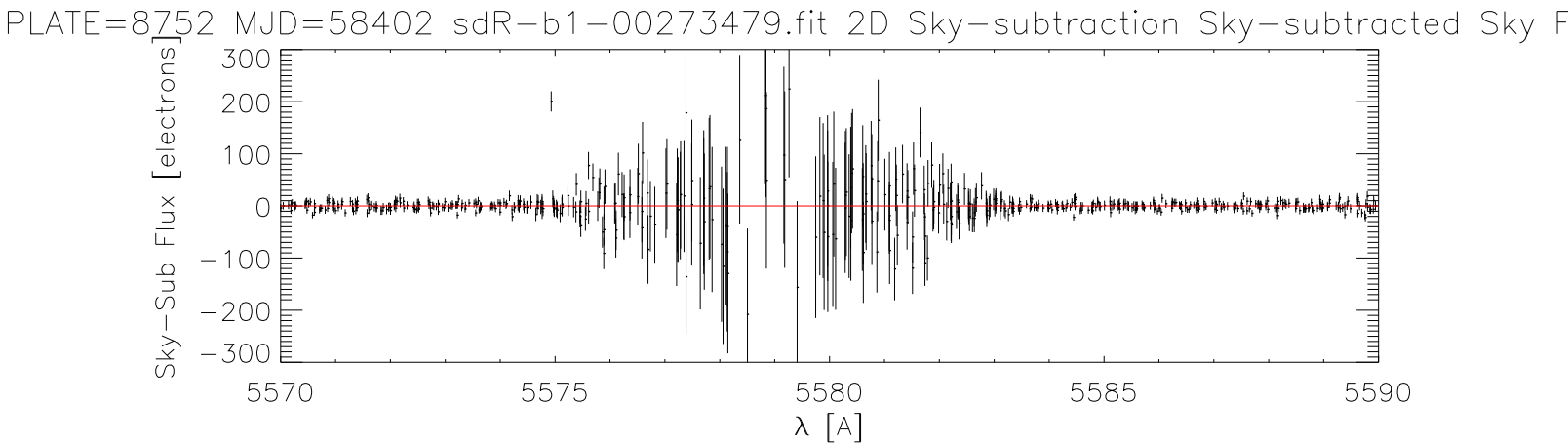

PLATE=8752 MJD=58402 sdR-b1-00273479.fit 1D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
400
200
0
-200
-400
5570
5575
5580
5585
5590
λ [A]

Number of sky fibers = 40

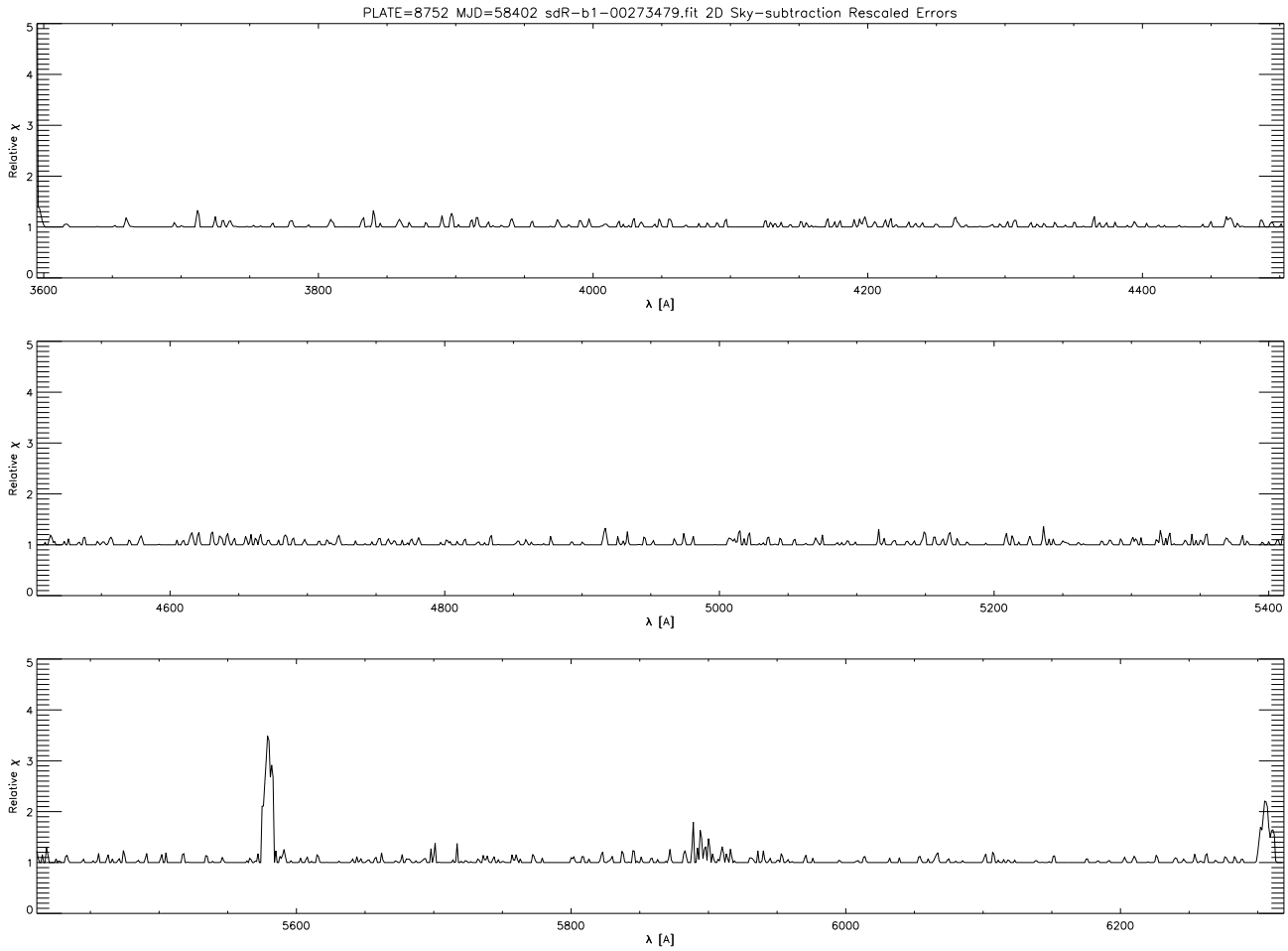


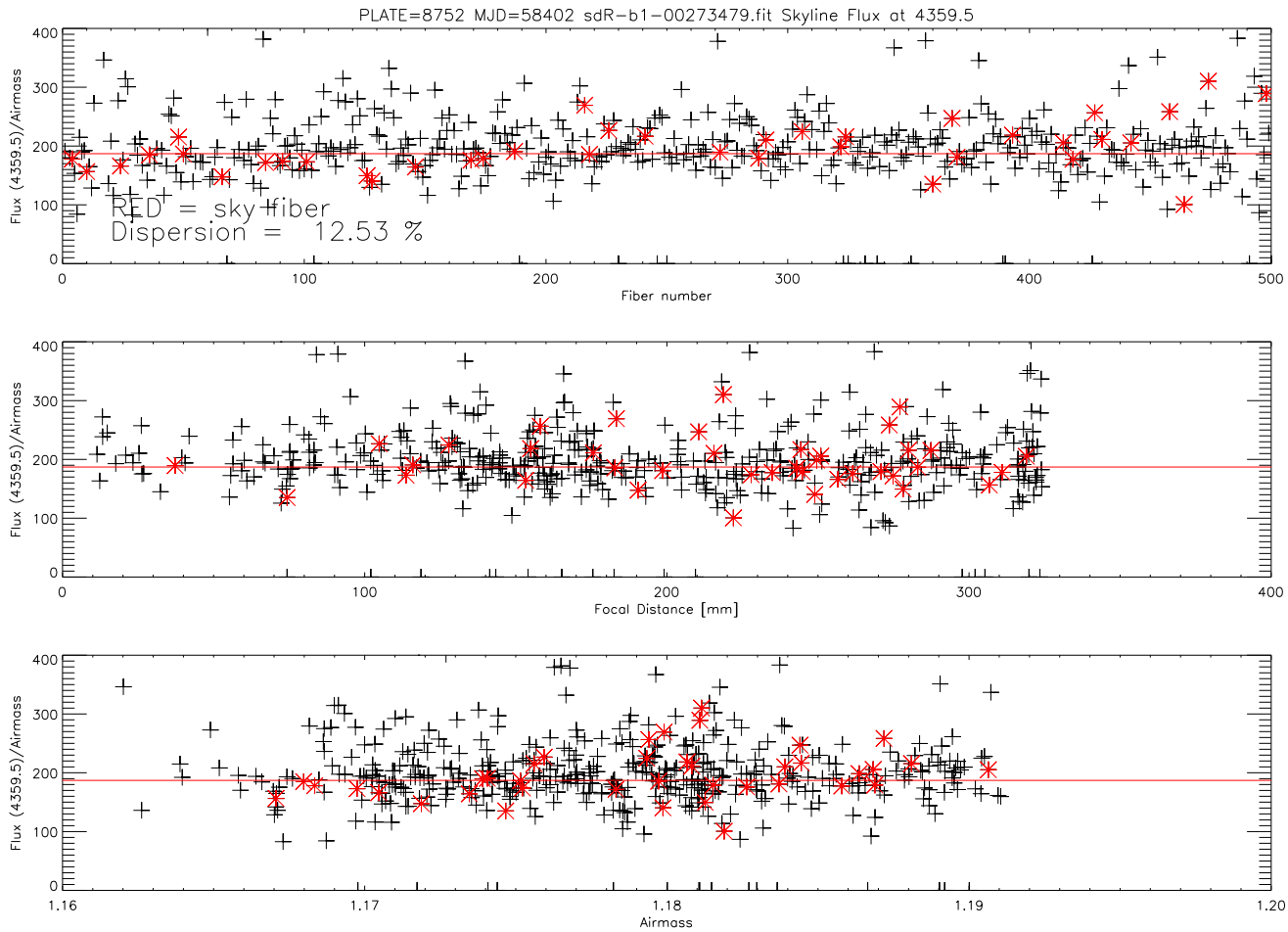

PLATE=8752 MJD=58402 sdR-b1-00273479.fit 2D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

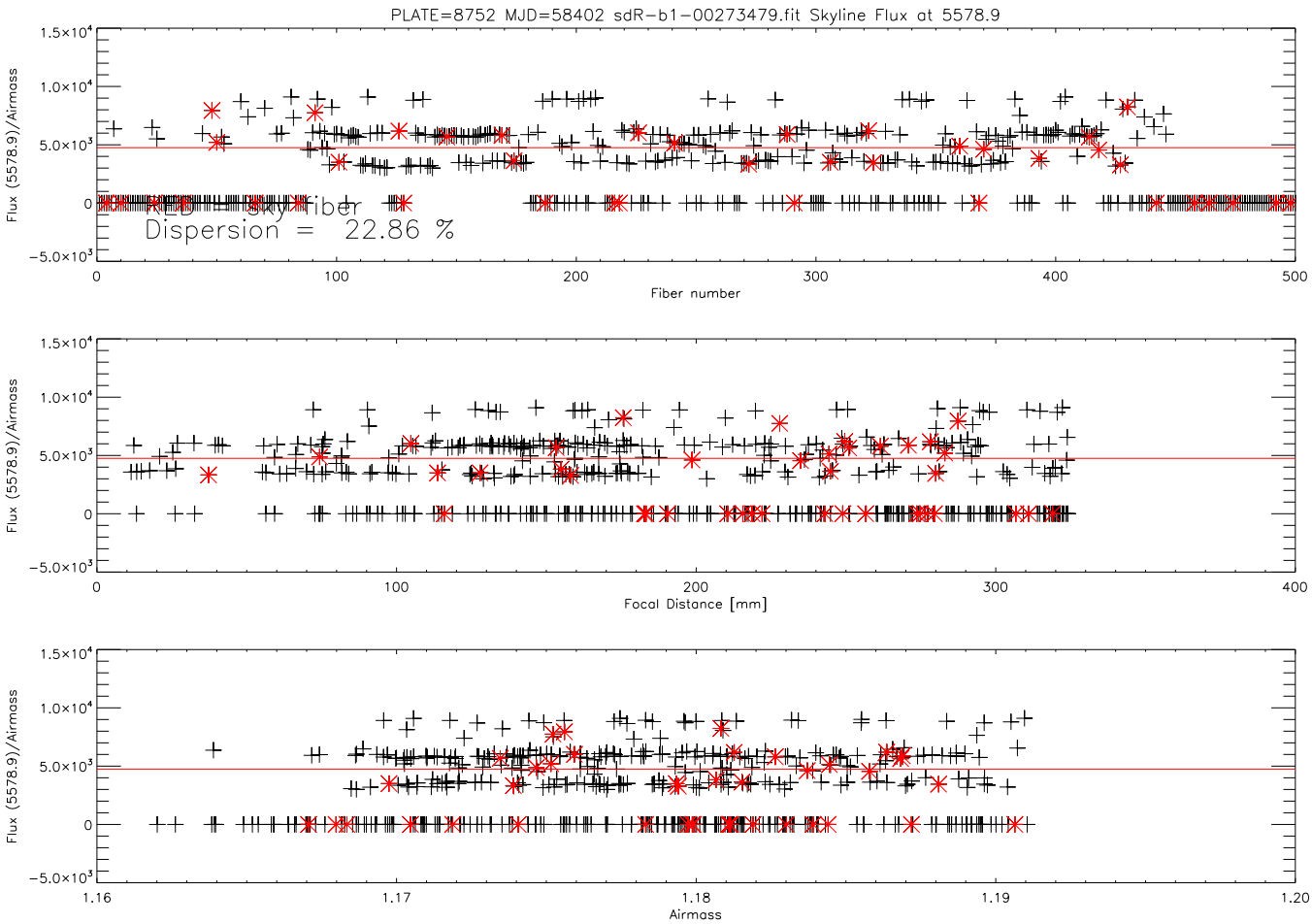

PLATE=8752 MJD=58402 sdR-b1-00273479.fit 2D Sky-subtraction Sky Fibers
Flux [electrons]
4000
3000
2000
1000
0
5570
5575
5580
5585
5590
λ [A]

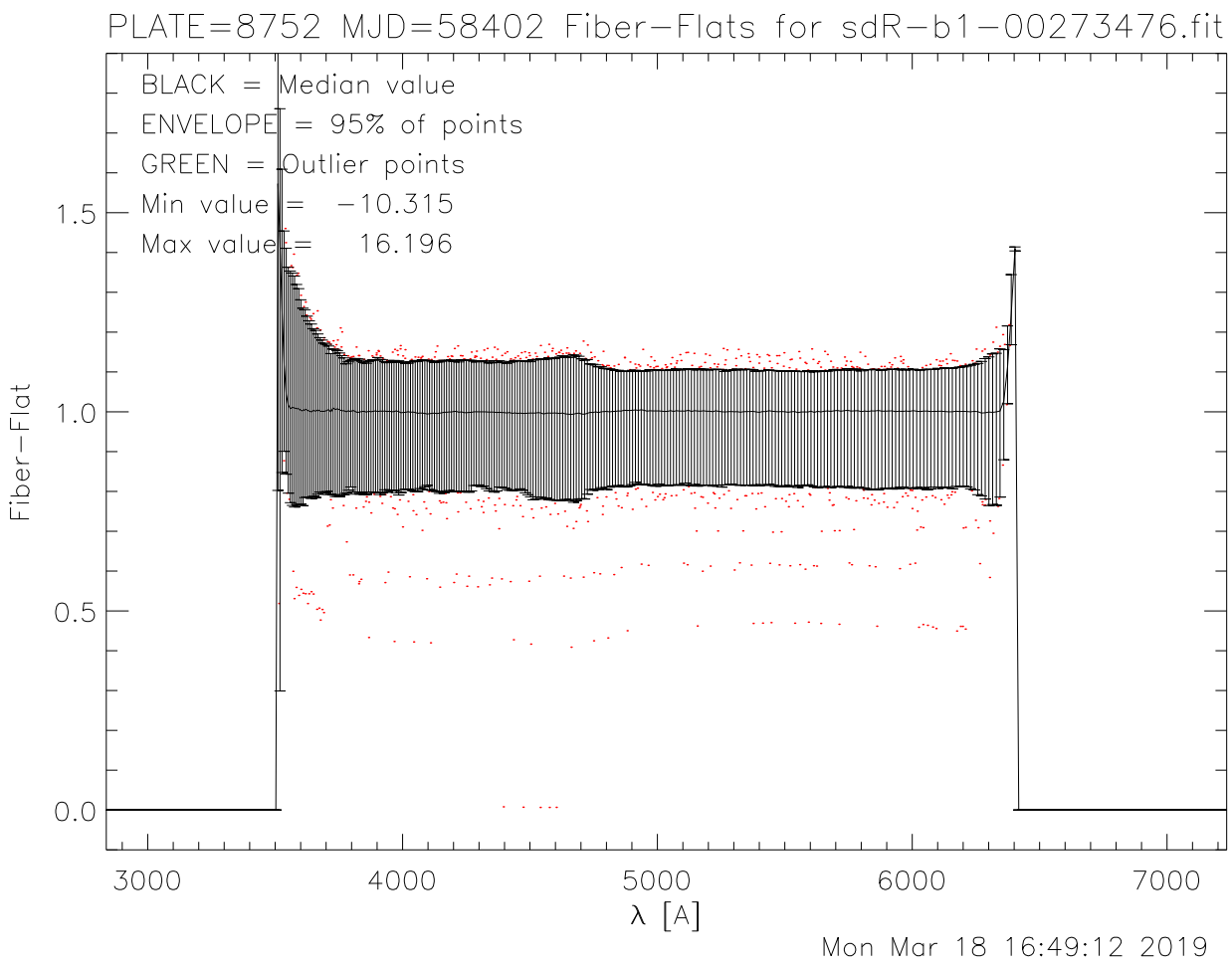

PLATE=8752 MJD=58402 sdR-b1-00273479.fit 2D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
300
200
100
0
-100
-200
-300
5570
5575
5580
5585
5590
λ [A]

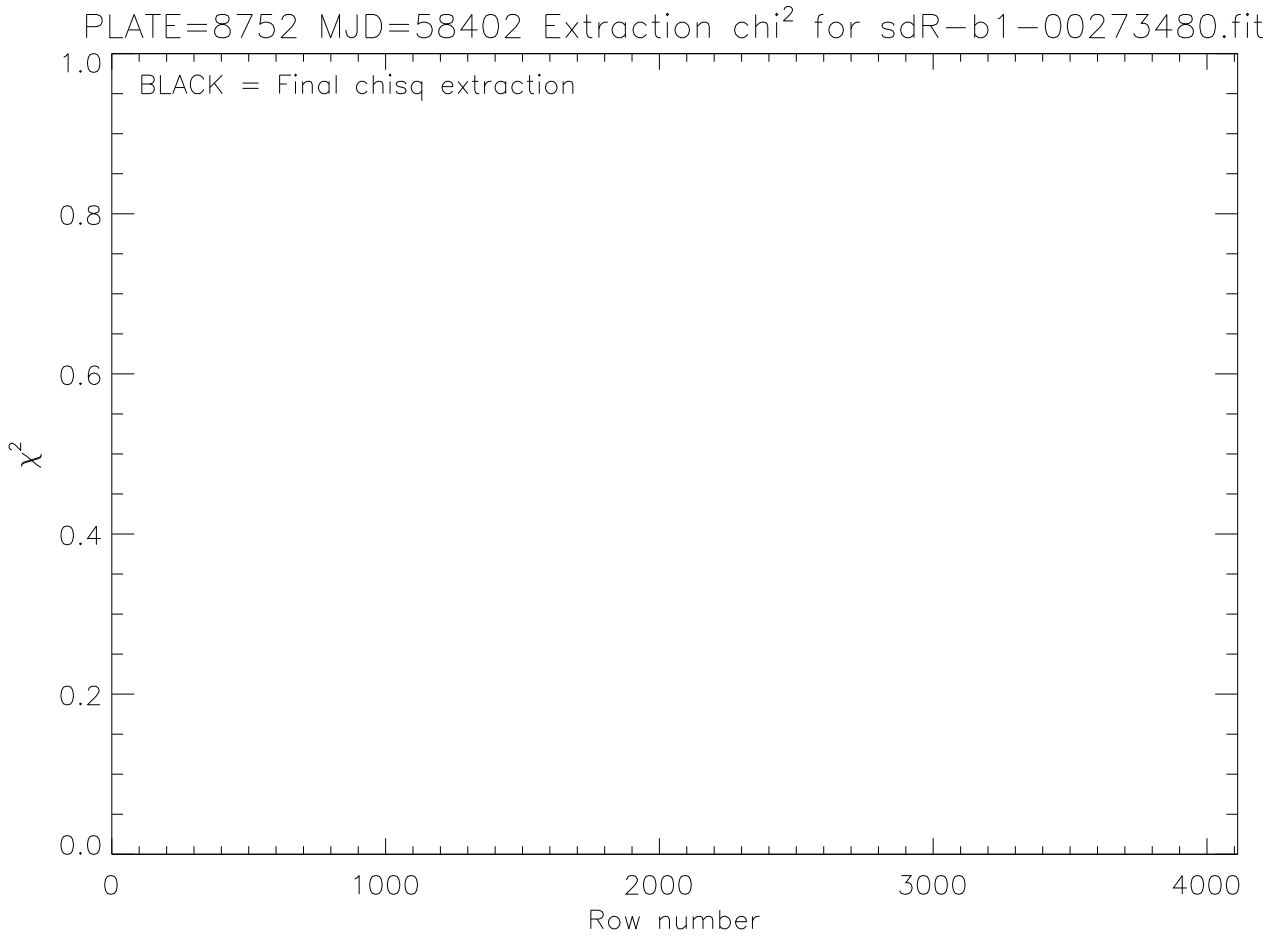
Number of sky fibers = 40

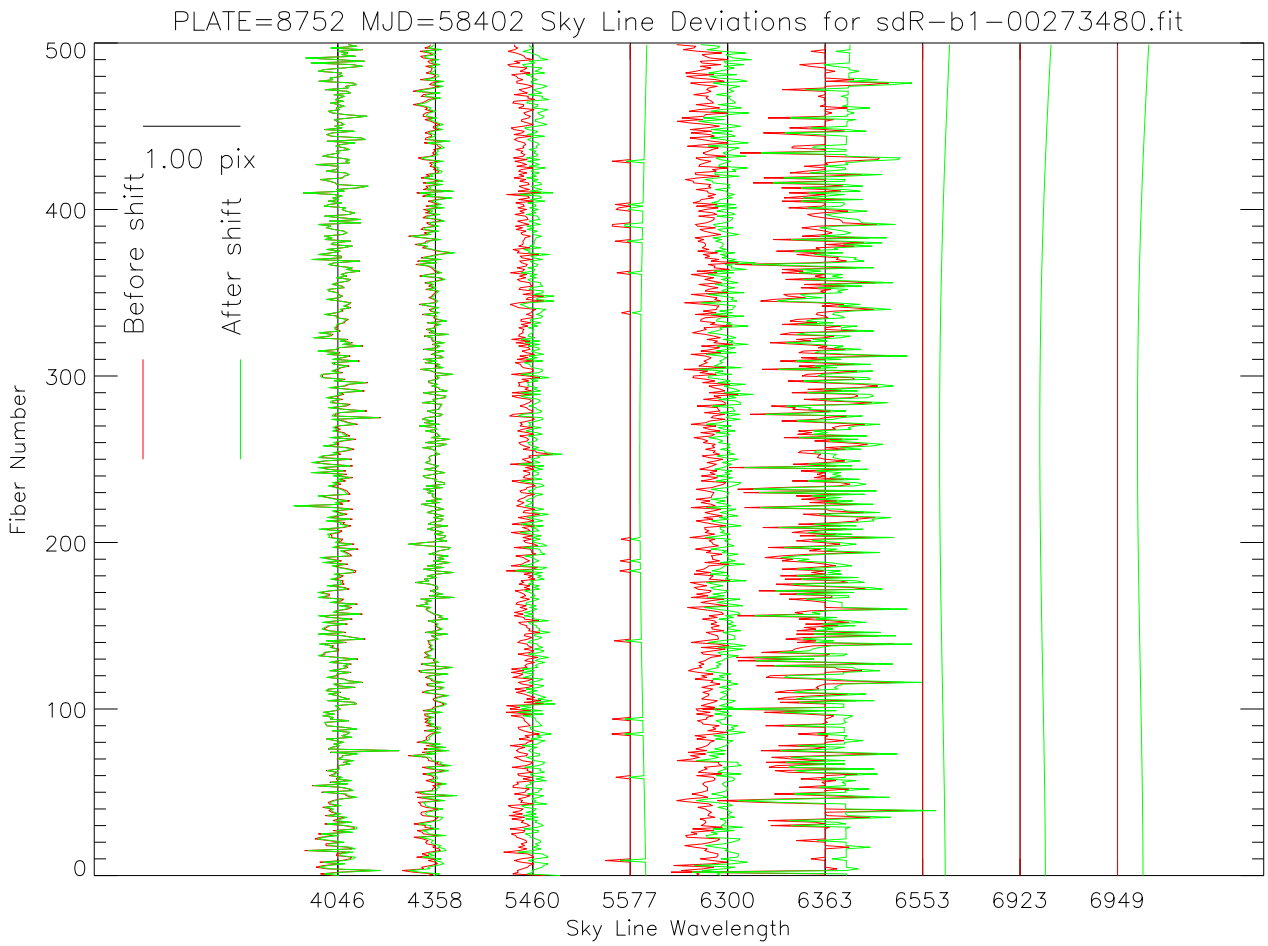


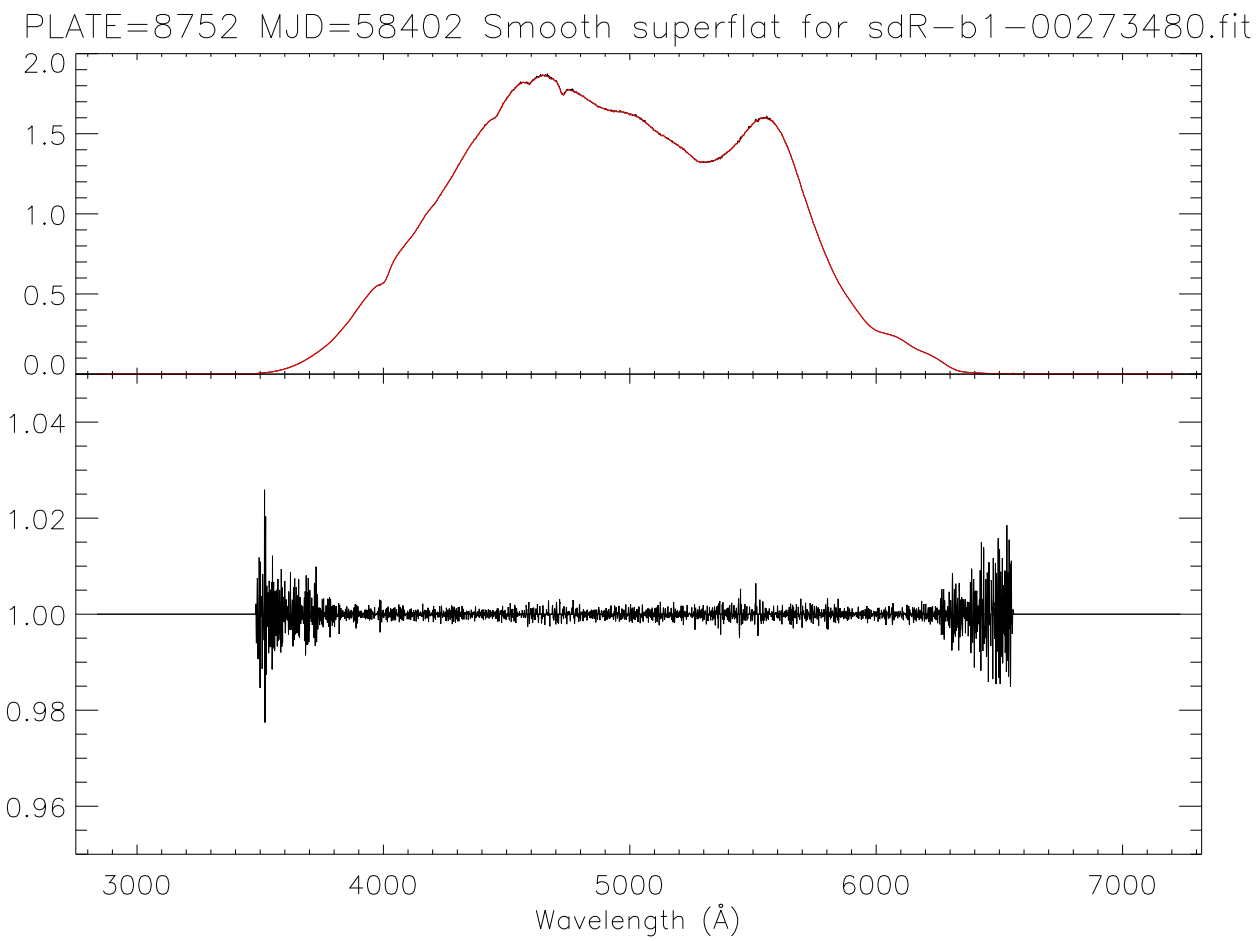

PLATE=8752 MJD=58402 sdR-b1-00273479.fit Skyline Flux at 4359.5
Flux (4359.5)/Airmass
RED = sky fiber
Dispersion = 12.53 %
Fiber number
Focal Distance [mm]
Airmass

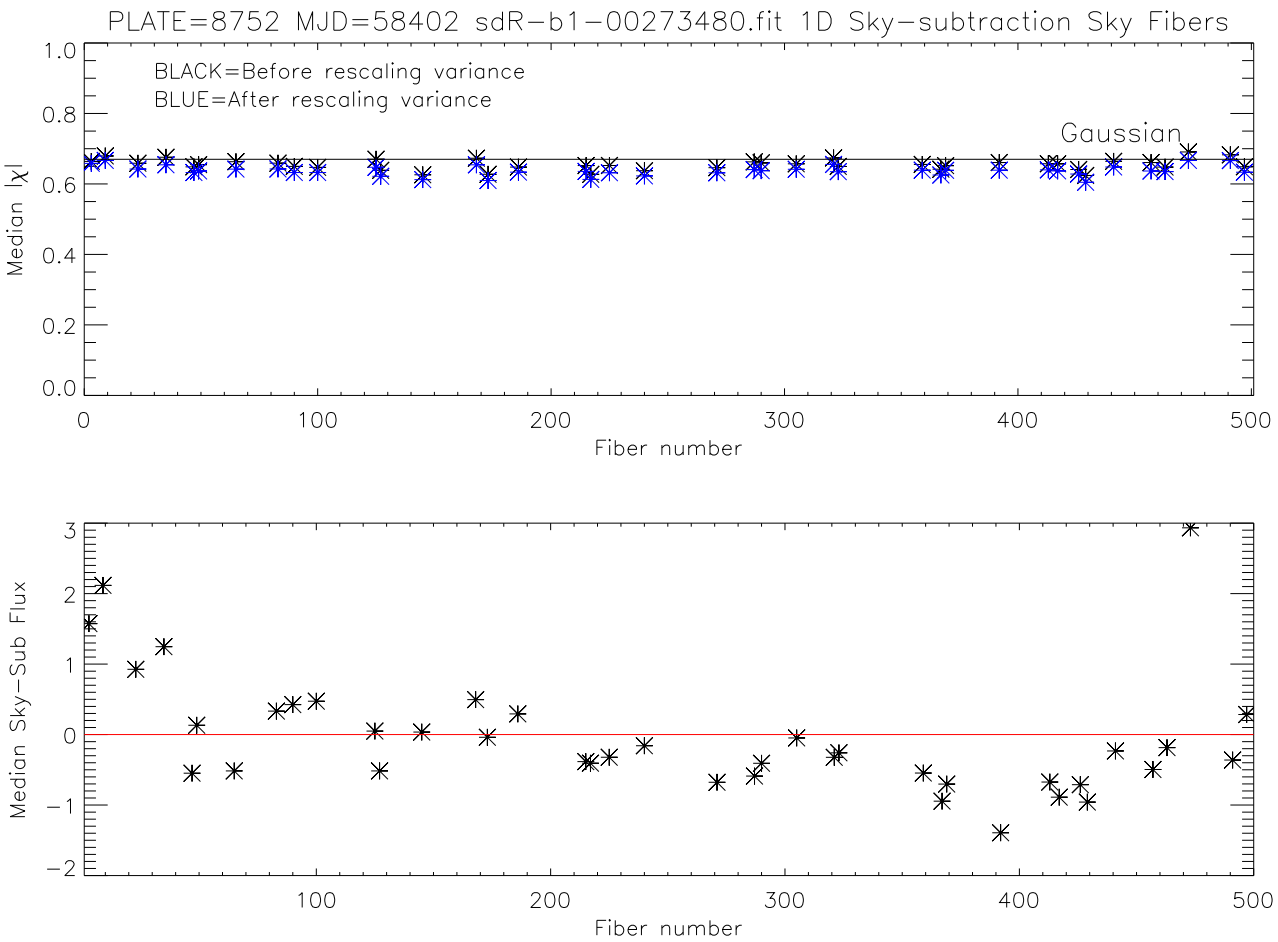

PLATE=8752 MJD=58402 sdR-b1-00273479.fit Skyline Flux at 5578.9
Flux (5578.9)/Airmass
1.5×10⁴
1.0×10⁴
5.0×10³
0
−5.0×10³
Red Sky Fiber
Dispersion = 22.86 %
0
100
200
300
400
500
Fiber number
Flux (5578.9)/Airmass
Focal Distance [mm]
Flux (5578.9)/Airmass
1.16
1.17
1.18
1.19
1.20
Airmass

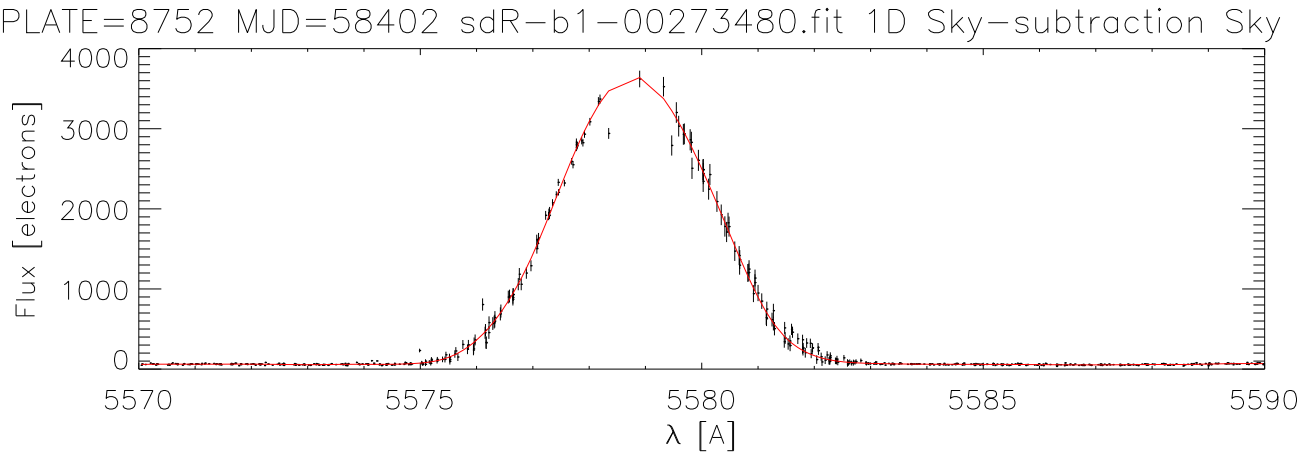

PLATE=8752 MJD=58402 Fiber-Flats for sdR-b1-00273476.fit
BLACK = Median value
ENVELOPE = 95% of points
GREEN = Outlier points
Min value = -10.315
Max value = 16.196
Fiber-Flat
0.0
0.5
1.0
1.5
3000
4000
5000
6000
7000
λ [A]
Mon Mar 18 16:49:12 2019

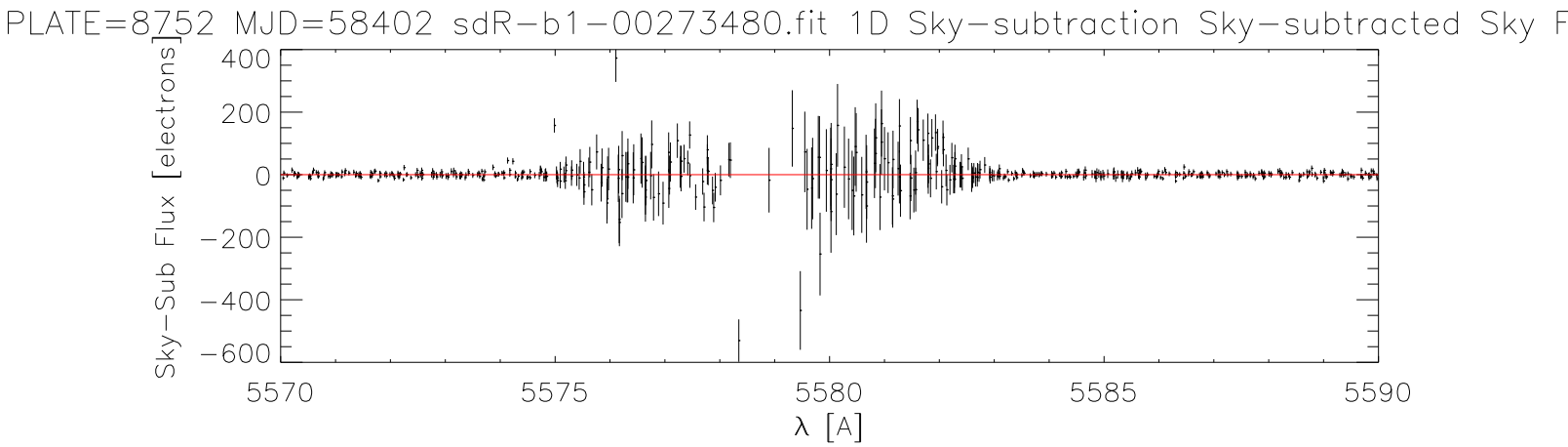

PLATE=8752 MJD=58402 Extraction chi^2 for sdR-b1-00273480.fit
BLACK = Final chisq extraction
1.0
0.8
0.6
0.4
0.2
0.0
χ^2
0
1000
2000
3000
4000
Row number


PLATE=8752 MJD=58402 Sky Line Deviations for sdR-b1-00273480.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

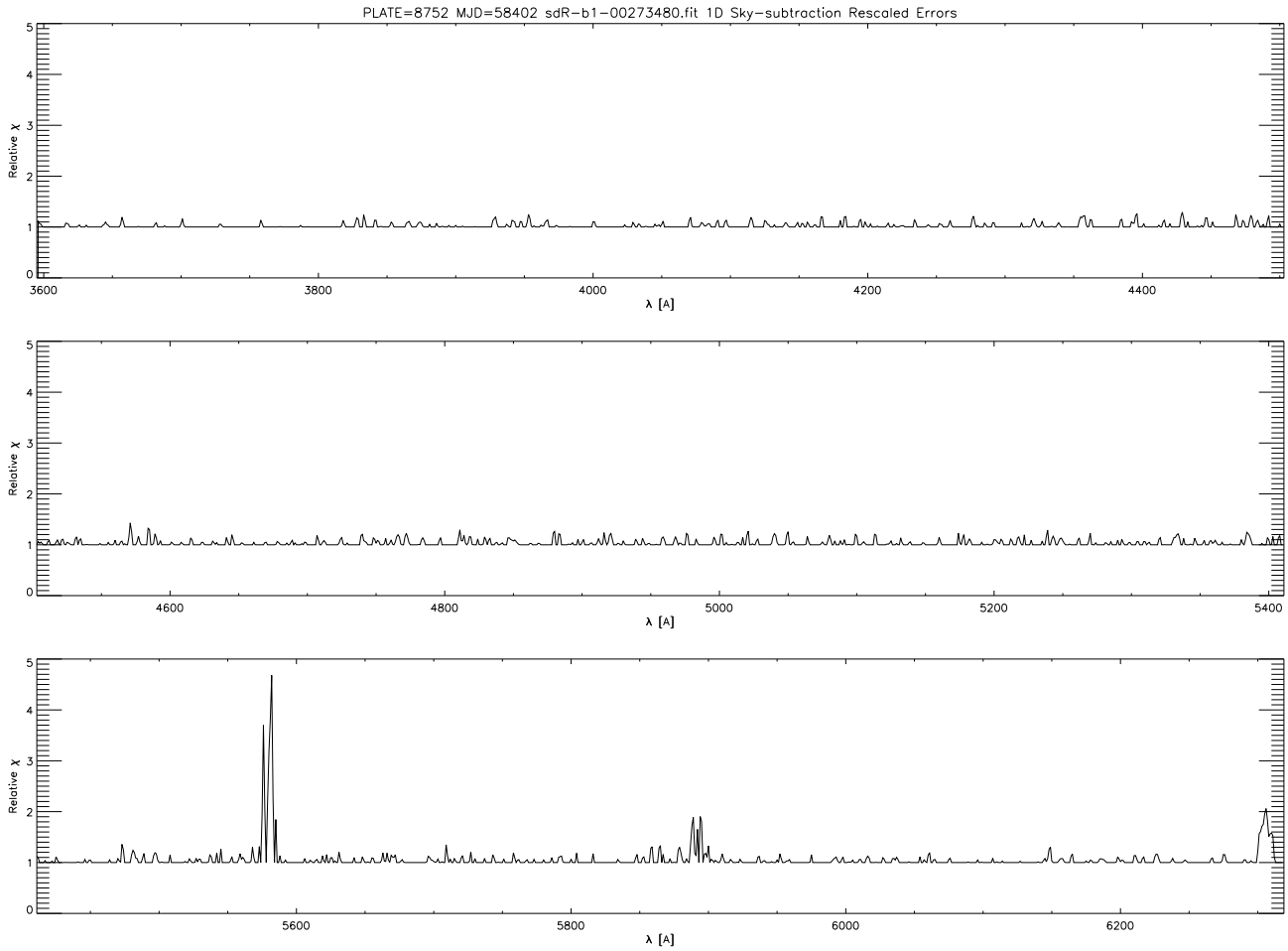

PLATE=8752 MJD=58402 Smooth superflat for sdR-b1-00273480.fit
2.0
1.5
1.0
0.5
0.0
1.04
1.02
1.00
0.98
0.96
3000
4000
5000
6000
7000
Wavelength (Å)

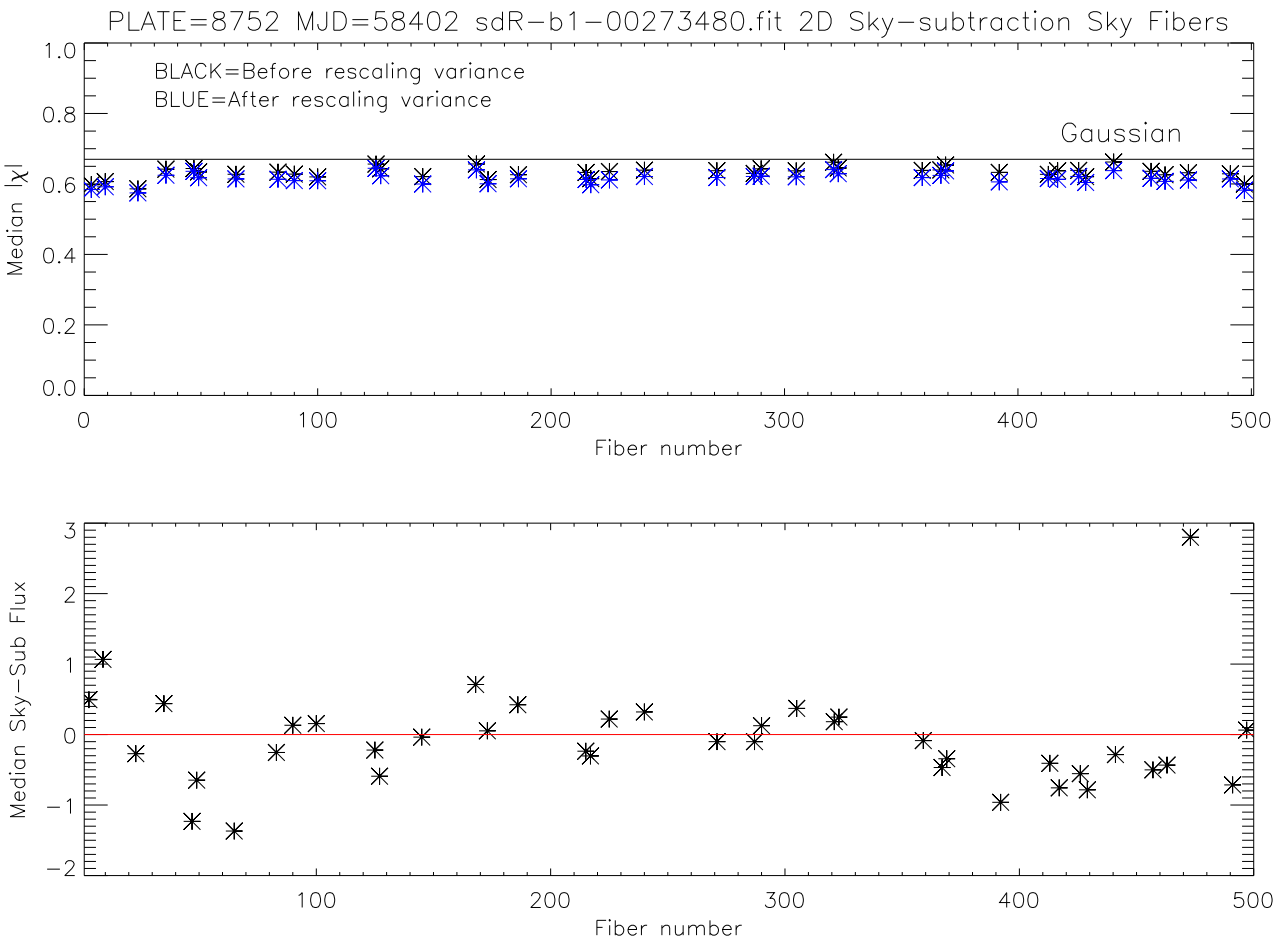

PLATE=8752 MJD=58402 sdR-b1-00273480.fit 1D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

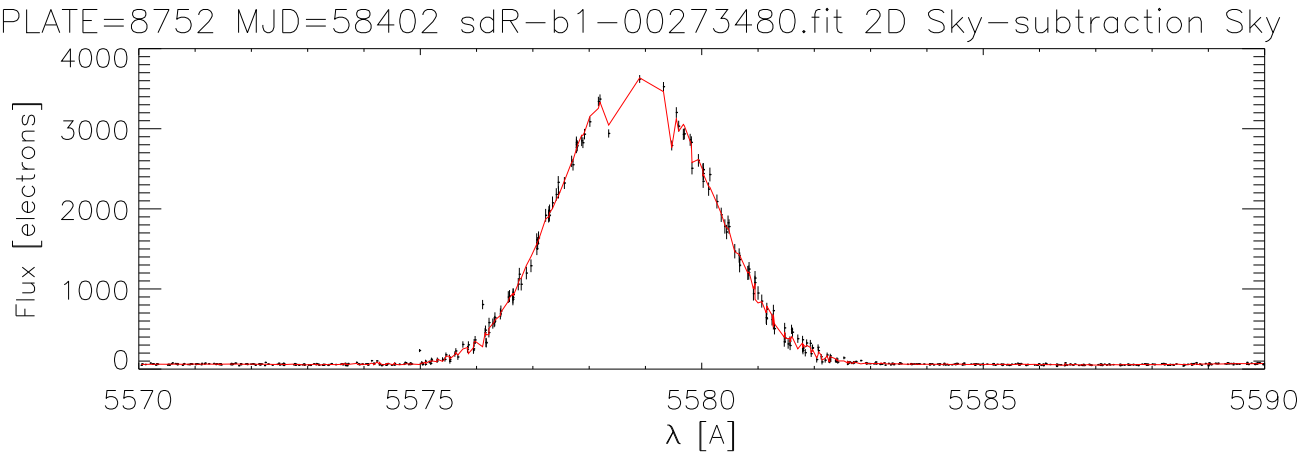

PLATE=8752 MJD=58402 sdR-b1-00273480.fit 1D Sky-subtraction Sky Fibers
Flux [electrons]
4000
3000
2000
1000
0
5570
5575
5580
5585
5590
λ [A]

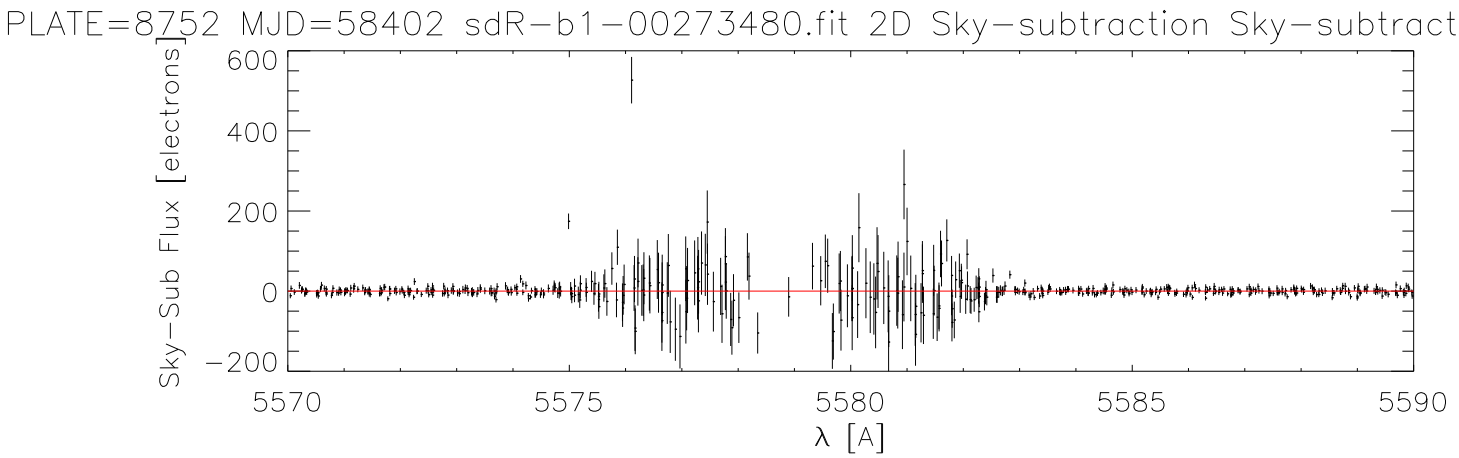

PLATE=8752 MJD=58402 sdR-b1-00273480.fit 1D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
400
200
0
-200
-400
-600
5570
5575
5580
5585
5590
λ [A]

Number of sky fibers = 40

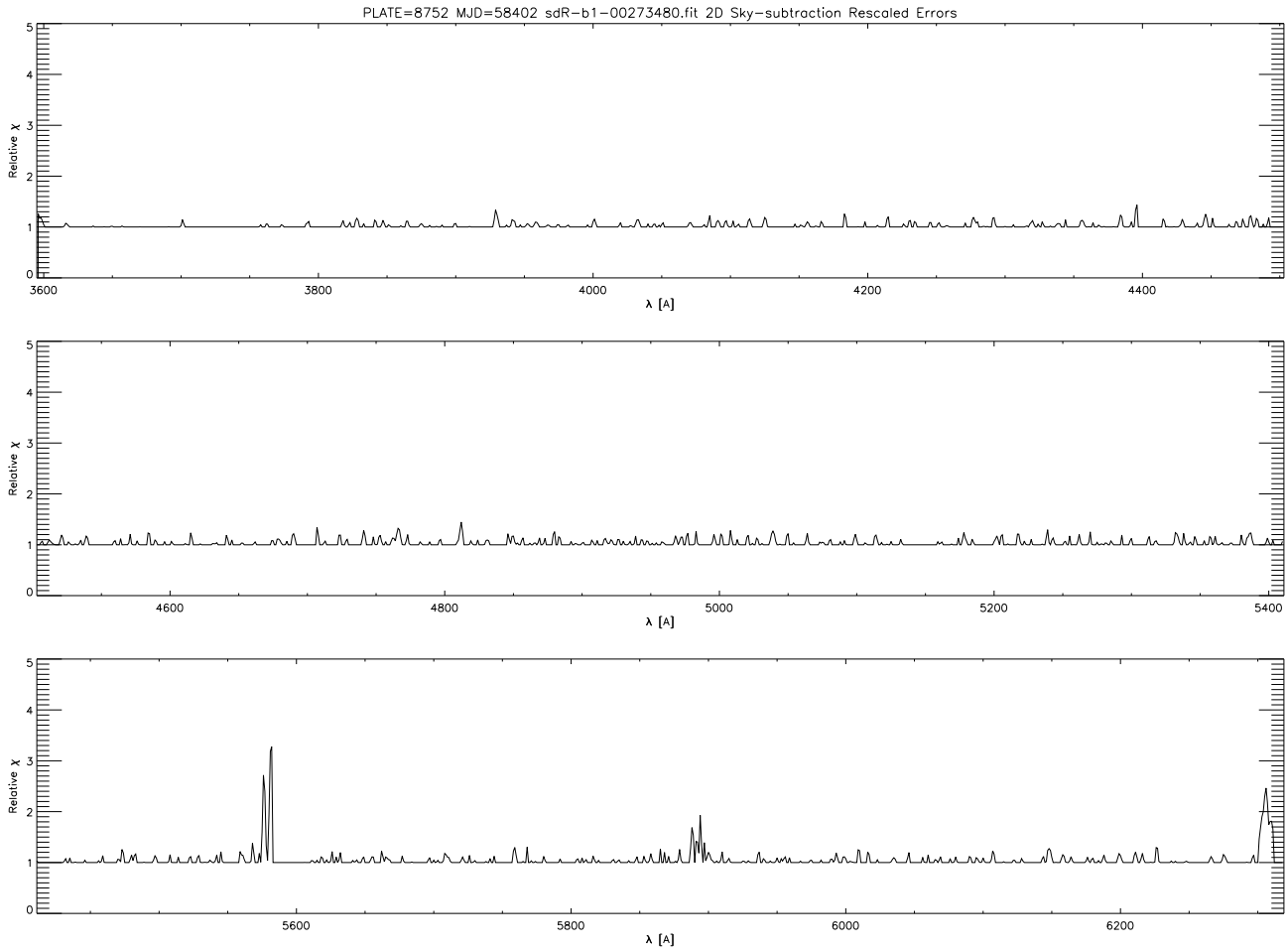


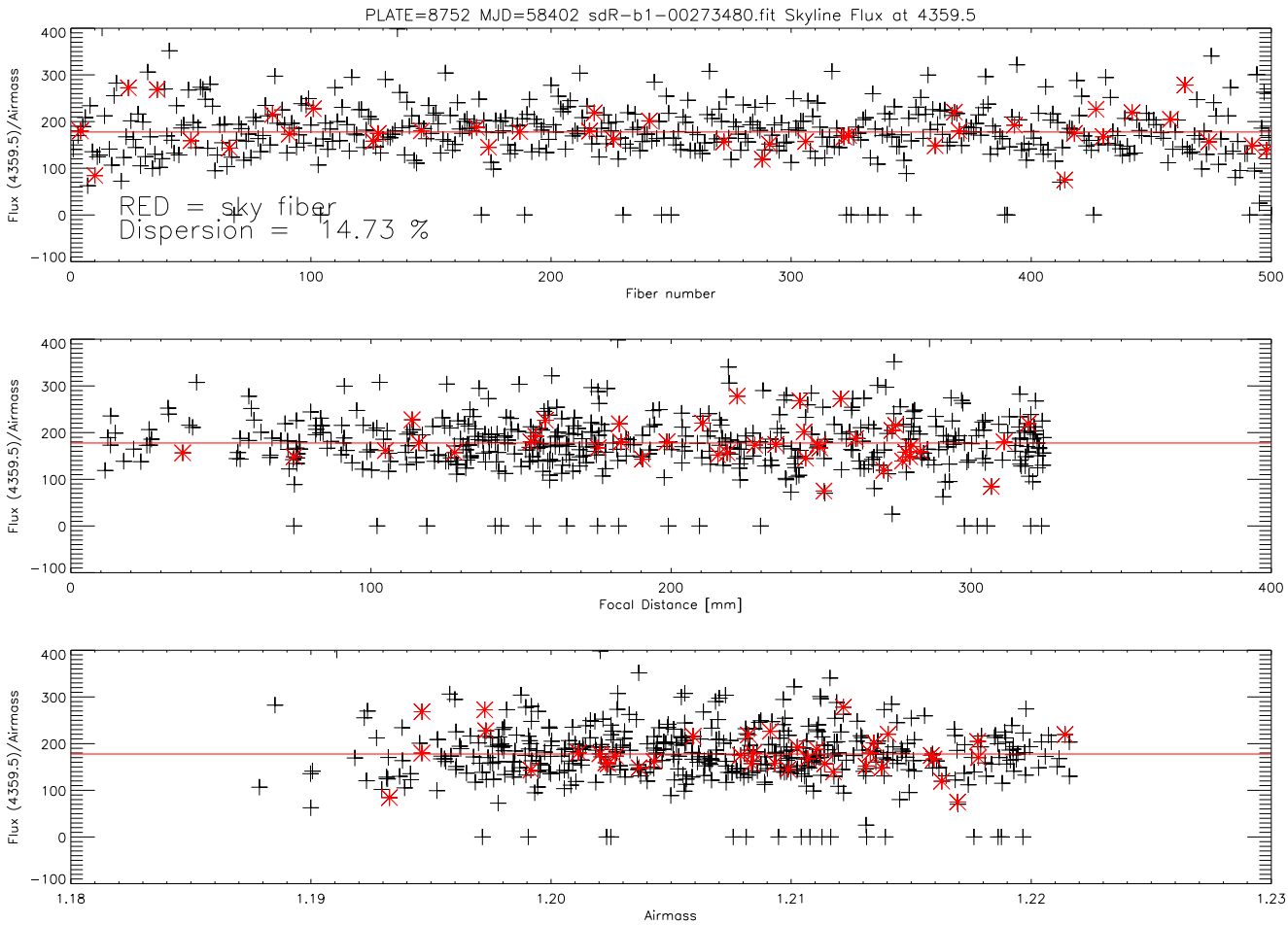

PLATE=8752 MJD=58402 sdR-b1-00273480.fit 2D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

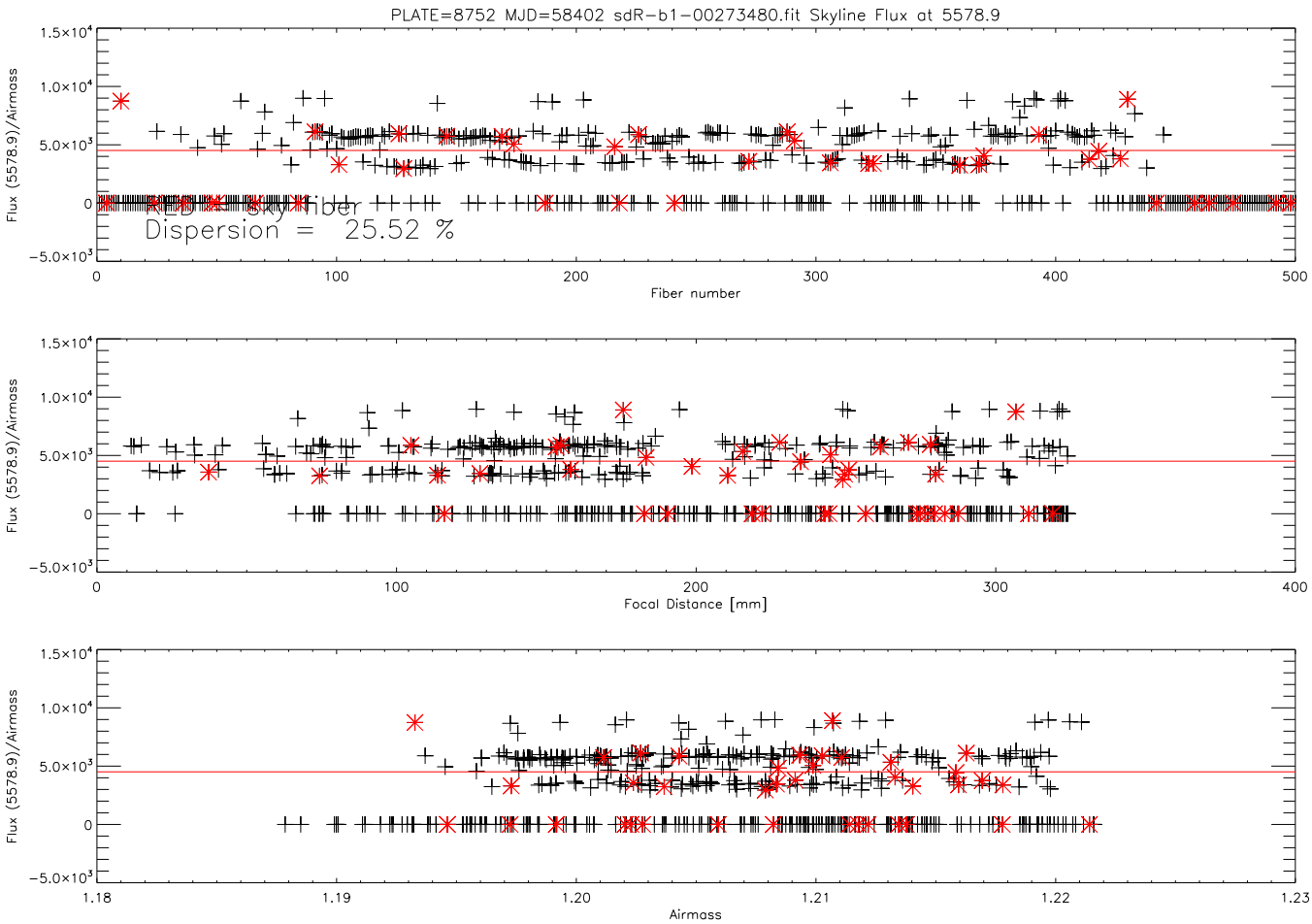

PLATE=8752 MJD=58402 sdR-b1-00273480.fit 2D Sky-subtraction Sky Fibers
Flux [electrons]
4000
3000
2000
1000
0
5570
5575
5580
5585
5590
λ [A]

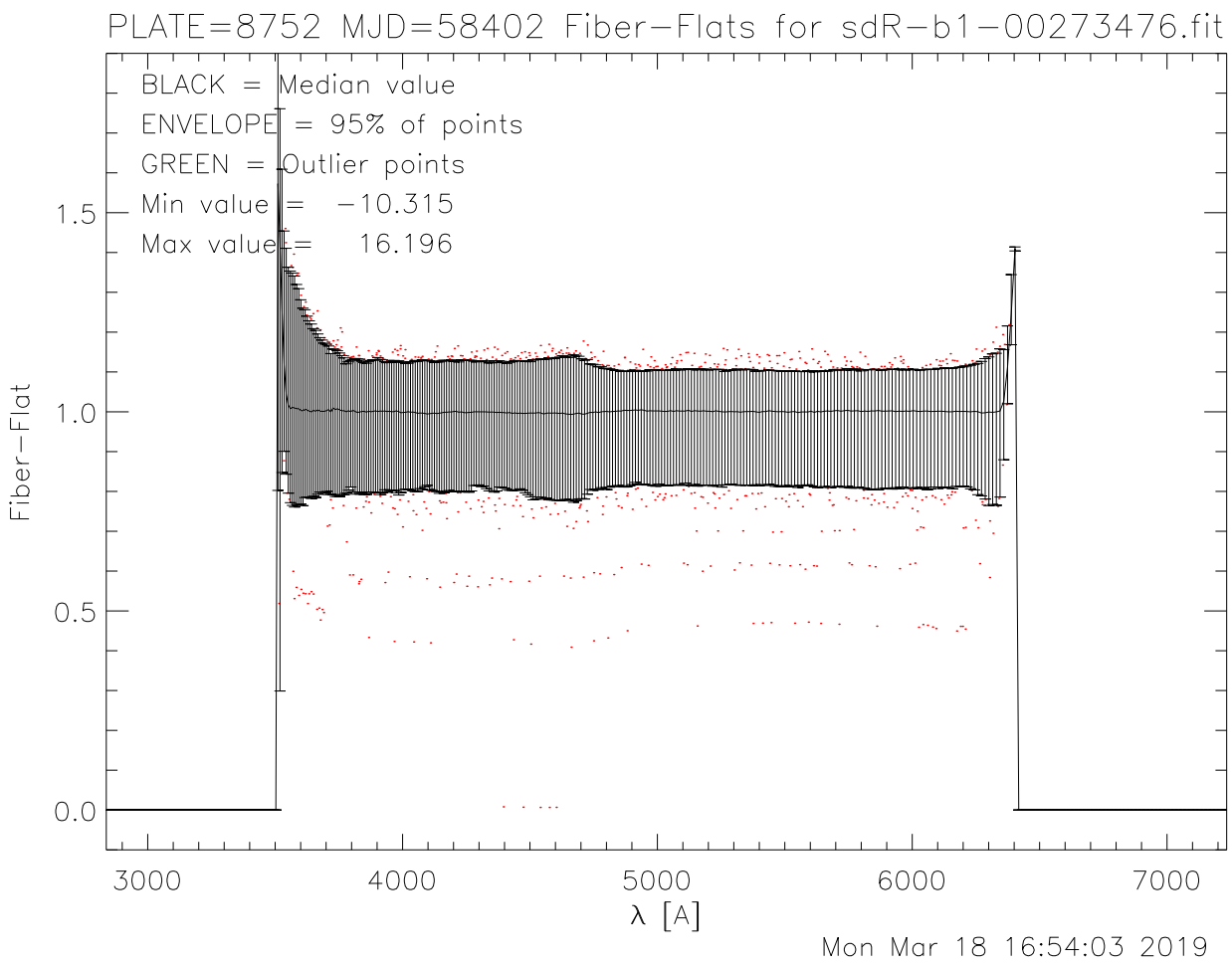

PLATE=8752 MJD=58402 sdR-b1-00273480.fit 2D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
600
400
200
0
-200
5570
5575
5580
5585
5590
λ [A]

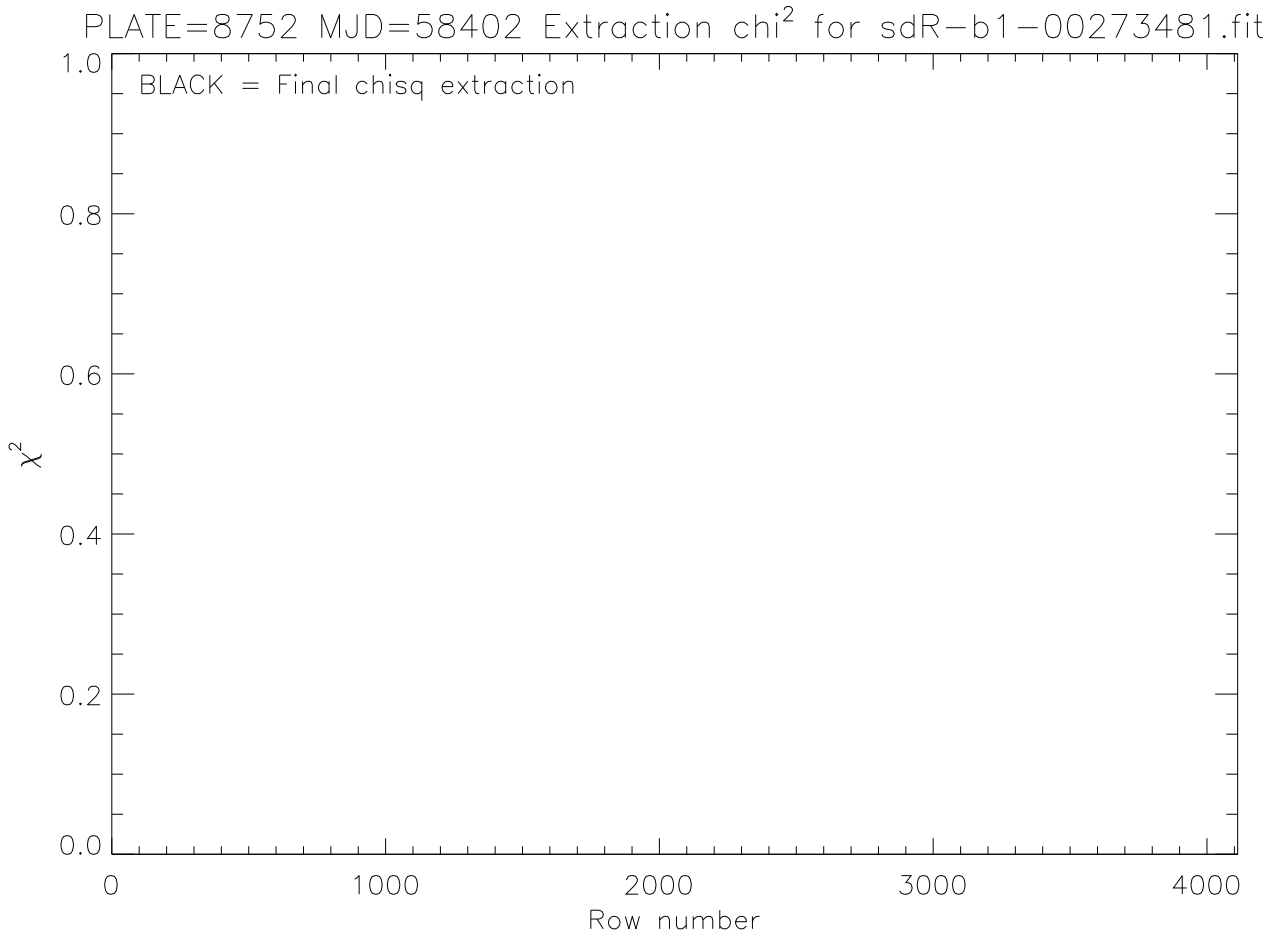
Number of sky fibers = 40

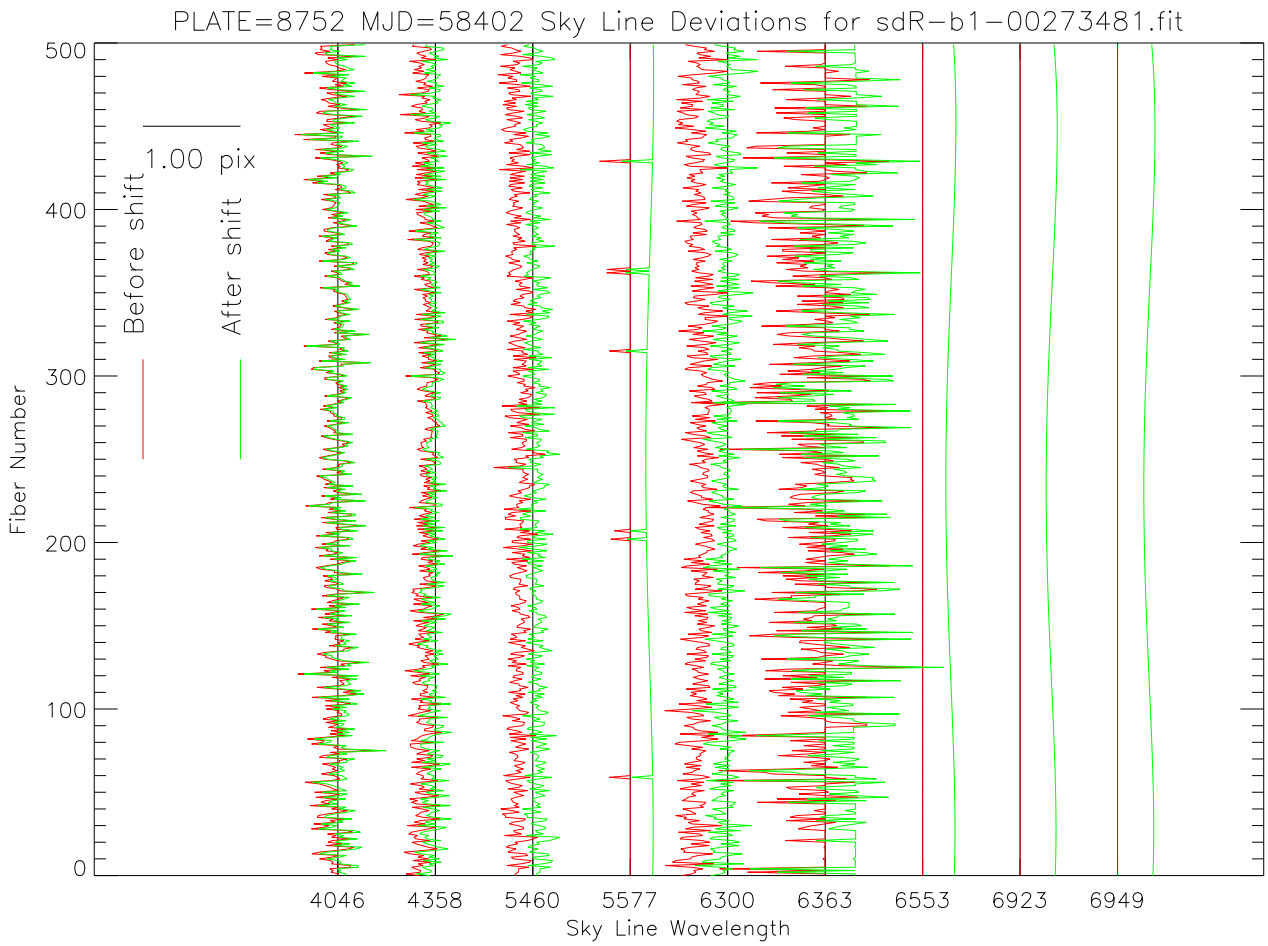


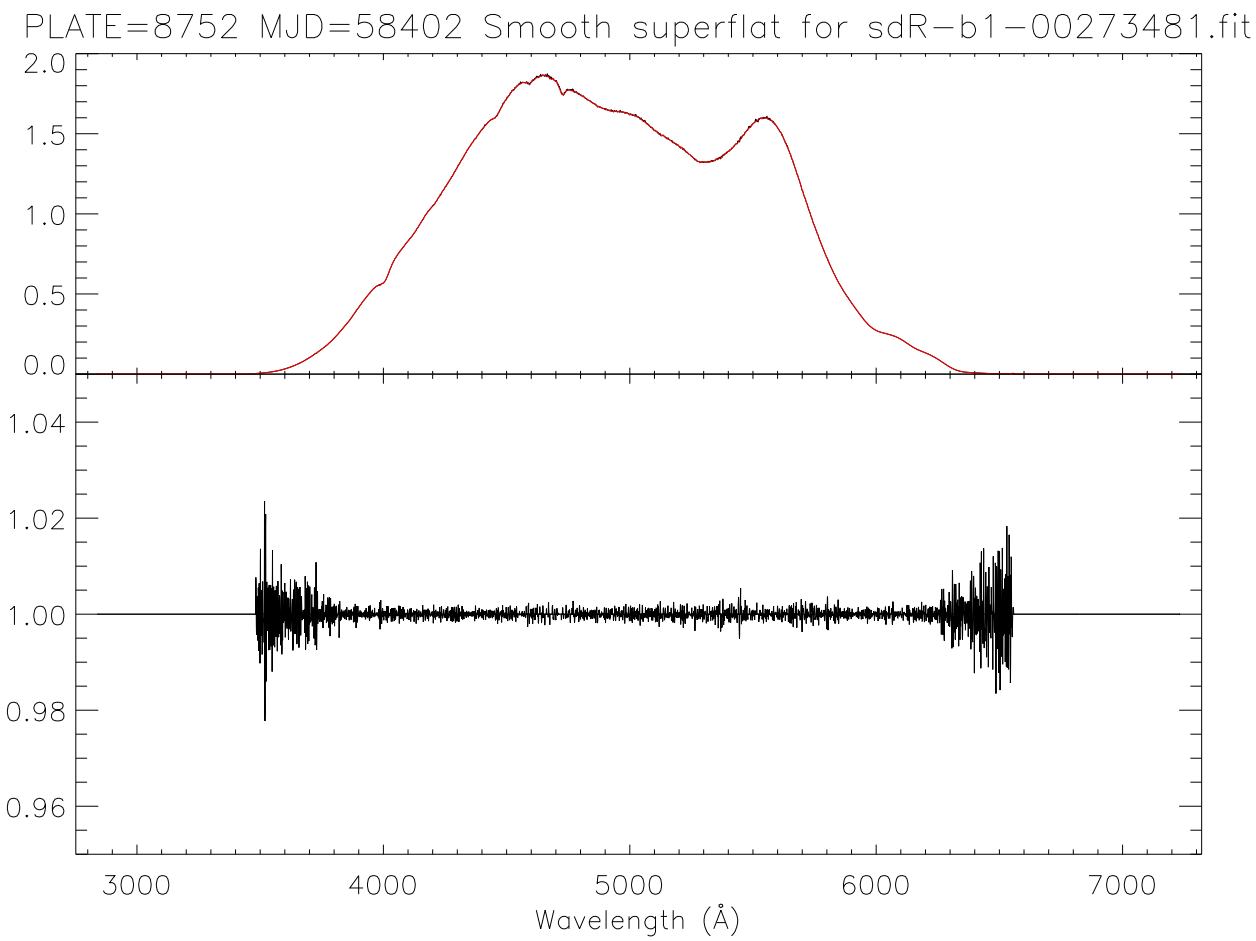

PLATE=8752 MJD=58402 sdR-b1-00273480.fit Skyline Flux at 4359.5
Flux (4359.5)/Airmass
RED = sky fiber
Dispersion = 14.73 %
Fiber number
Flux (4359.5)/Airmass
Focal Distance [mm]
Flux (4359.5)/Airmass
Airmass

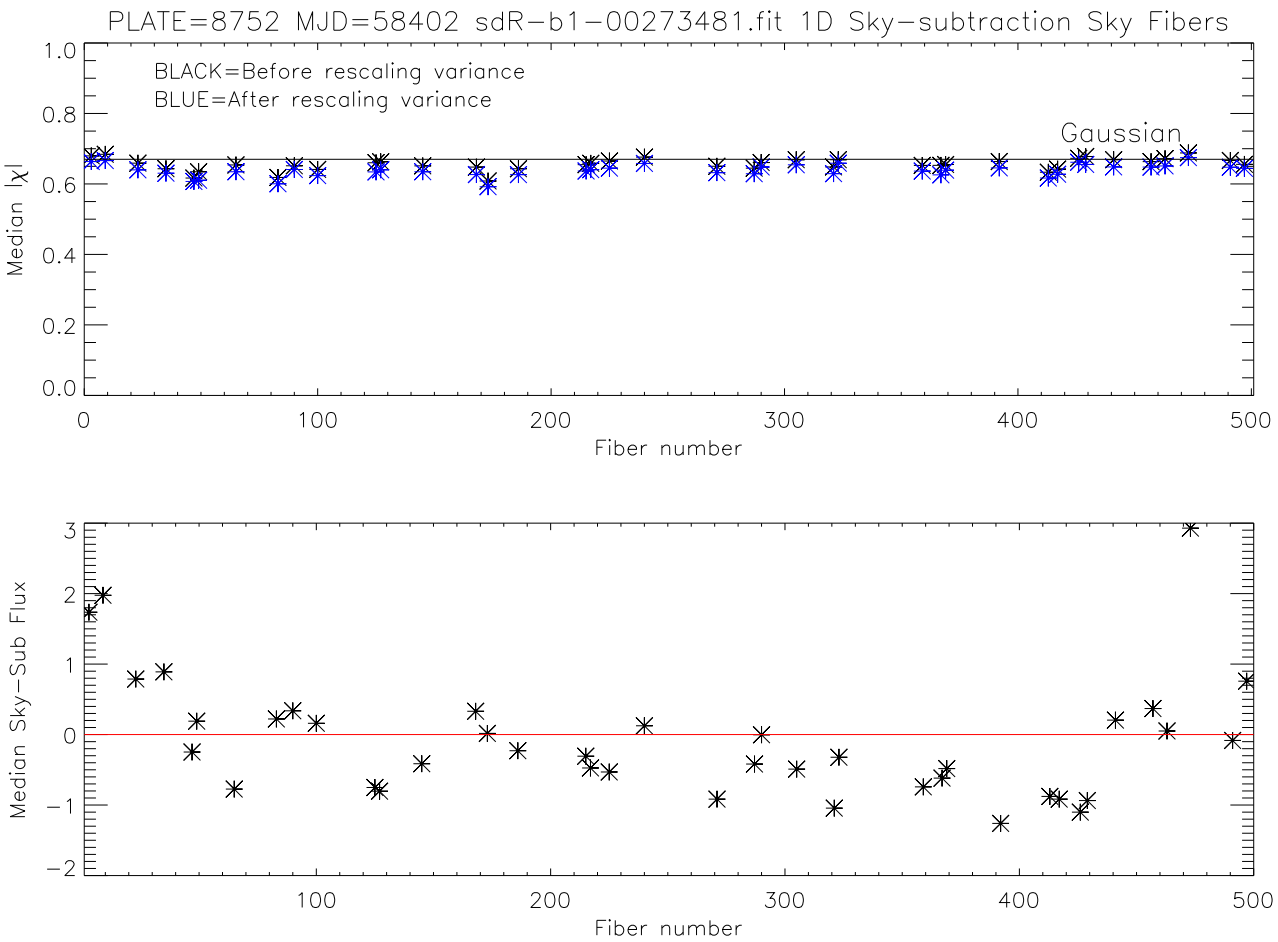

PLATE=8752 MJD=58402 sdR-b1-00273480.fit Skyline Flux at 5578.9
Flux (5578.9)/Airmass
1.5×10⁴
1.0×10⁴
5.0×10³
0
−5.0×10³
0
100
200
300
400
500
Fiber number
Red=skyFiber
Dispersion = 25.52 %
Flux (5578.9)/Airmass
1.5×10⁴
1.0×10⁴
5.0×10³
0
−5.0×10³
0
100
200
300
400
Focal Distance [mm]
Flux (5578.9)/Airmass
1.5×10⁴
1.0×10⁴
5.0×10³
0
−5.0×10³
1.18
1.19
1.20
1.21
1.22
1.23
Airmass

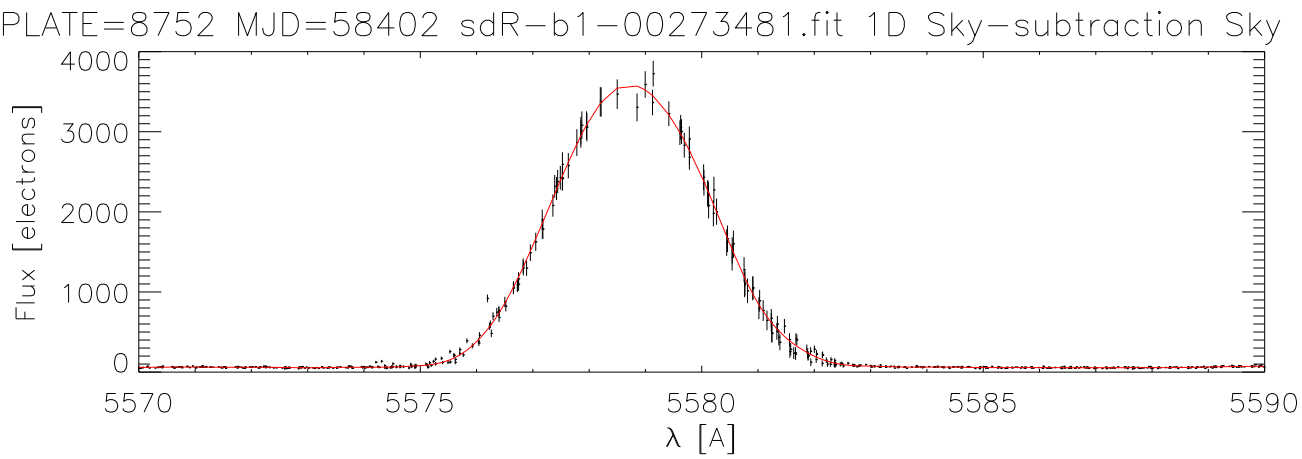

PLATE=8752 MJD=58402 Fiber-Flats for sdR-b1-00273476.fit
BLACK = Median value
ENVELOPE = 95% of points
GREEN = Outlier points
Min value = -10.315
Max value = 16.196
Fiber-Flat
0.0
0.5
1.0
1.5
3000
4000
5000
6000
7000
λ [A]
Mon Mar 18 16:54:03 2019

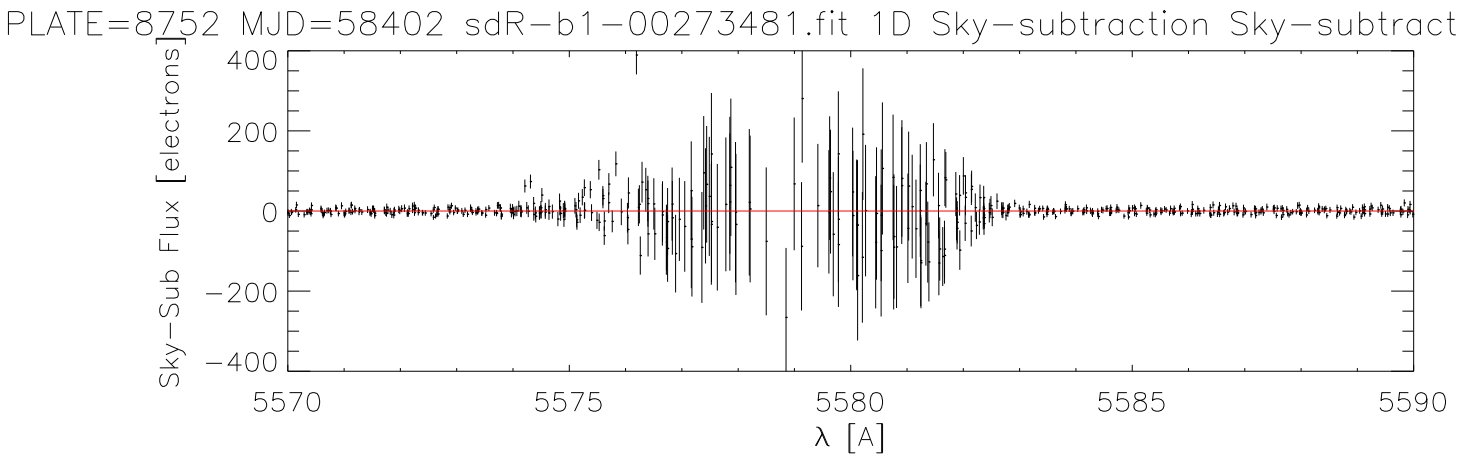

PLATE=8752 MJD=58402 Extraction chi^2 for sdR-b1-00273481.fit
BLACK = Final chisq extraction
χ^2
1.0
0.8
0.6
0.4
0.2
0.0
0
1000
2000
3000
4000
Row number


PLATE=8752 MJD=58402 Sky Line Deviations for sdR-b1-00273481.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

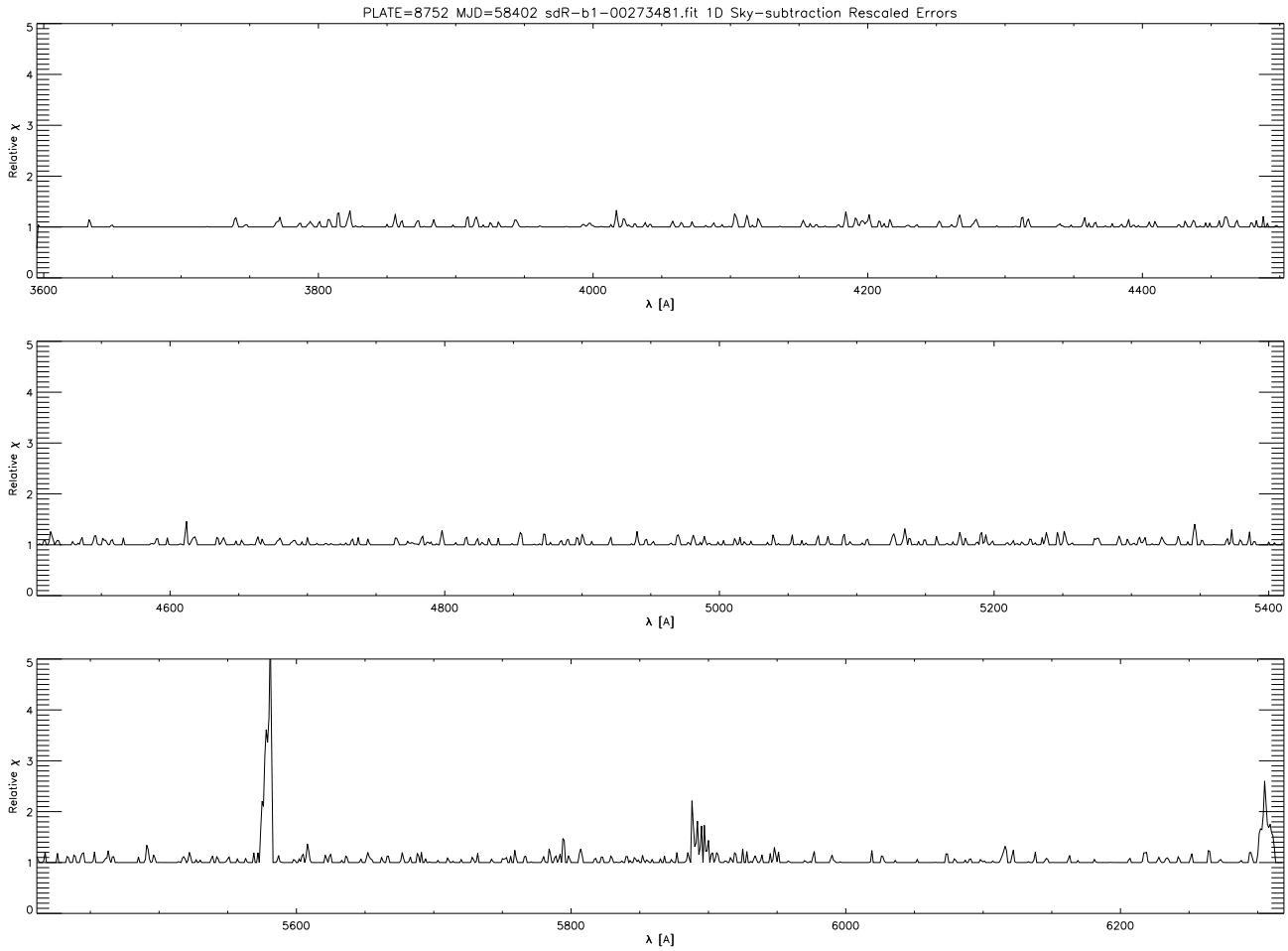

PLATE=8752 MJD=58402 Smooth superflat for sdR-b1-00273481.fit
2.0
1.5
1.0
0.5
0.0
1.04
1.02
1.00
0.98
0.96
3000
4000
5000
6000
7000
Wavelength (Å)

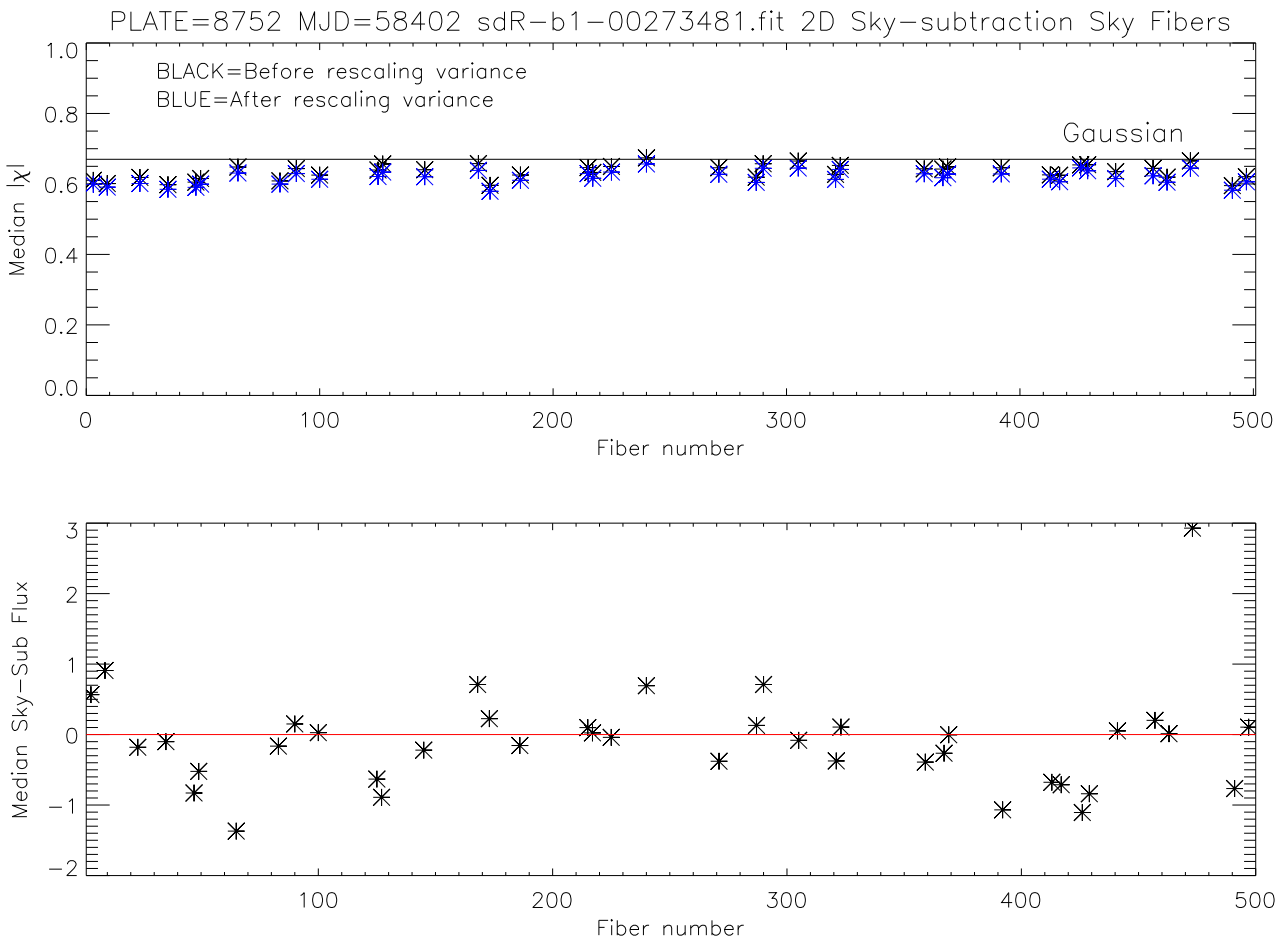

PLATE=8752 MJD=58402 sdR-b1-00273481.fit 1D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

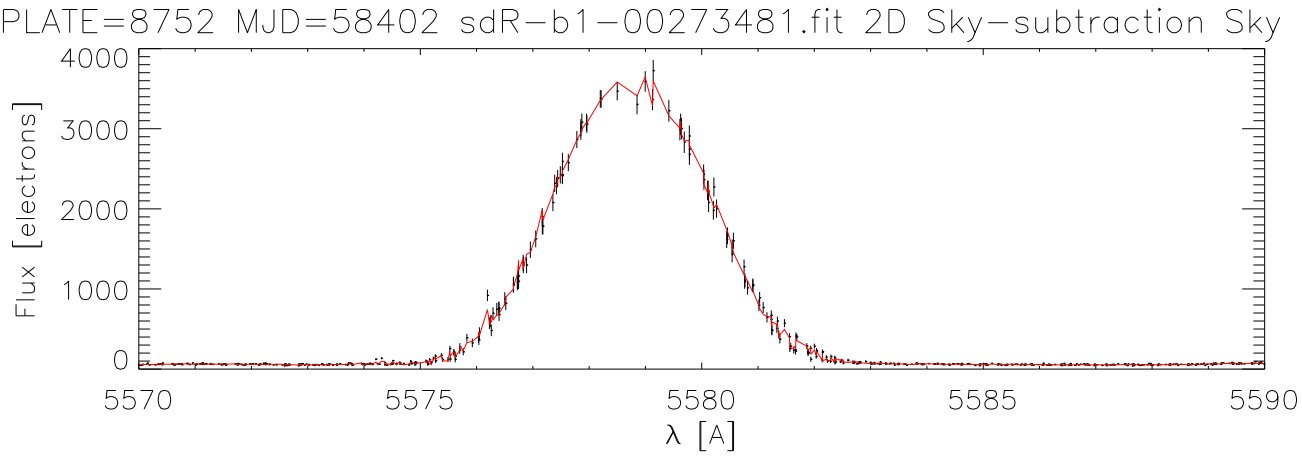

PLATE=8752 MJD=58402 sdR-b1-00273481.fit 1D Sky-subtraction Sky Fibers
Flux [electrons]
4000
3000
2000
1000
0
5570
5575
5580
5585
5590
λ [A]

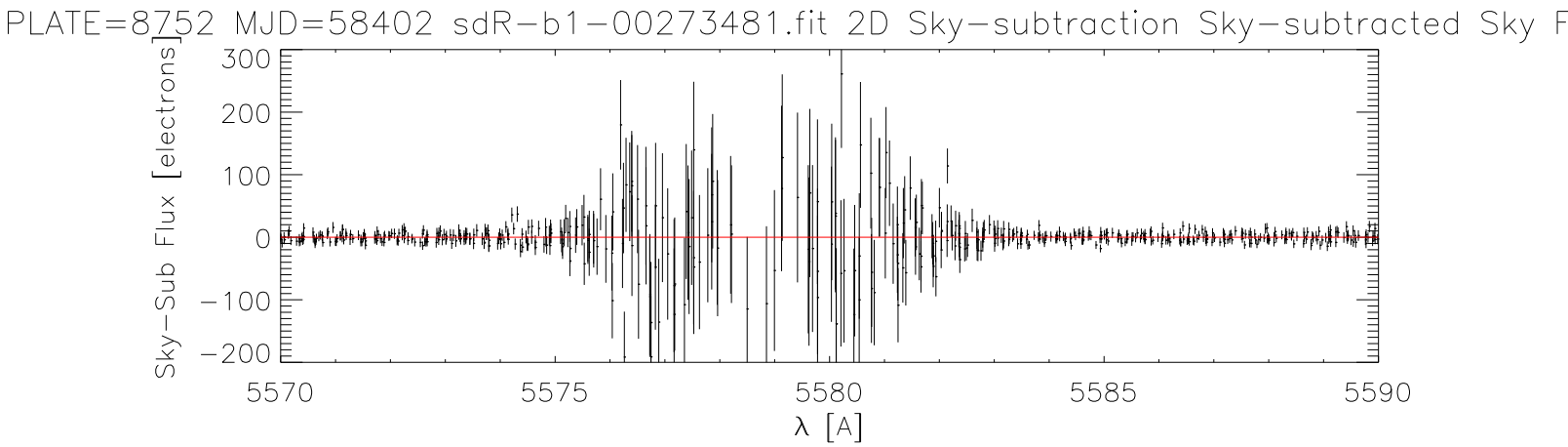

PLATE=8752 MJD=58402 sdR-b1-00273481.fit 1D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
400
200
0
-200
-400
5570
5575
5580
5585
5590
λ [A]

Number of sky fibers = 40

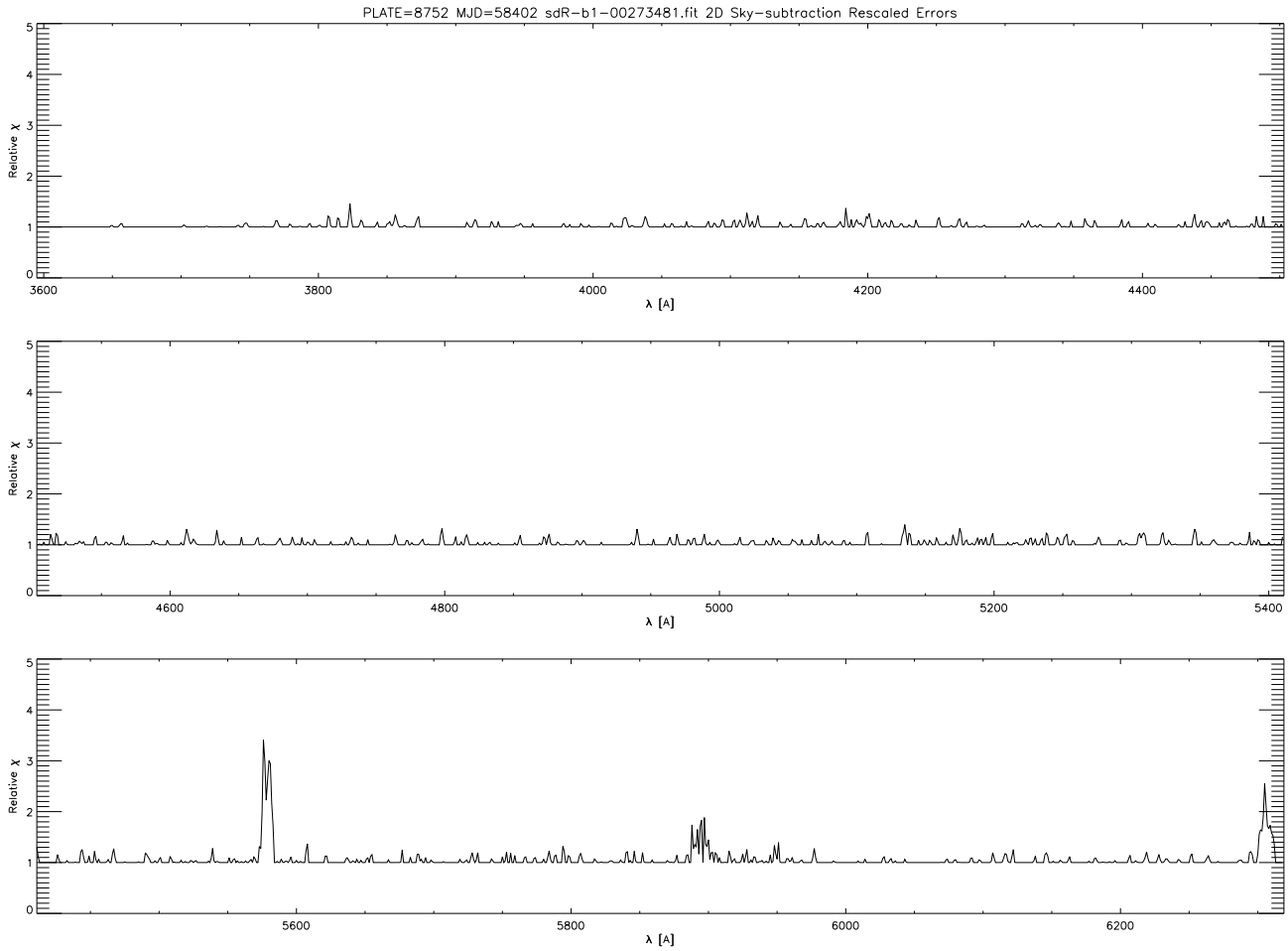


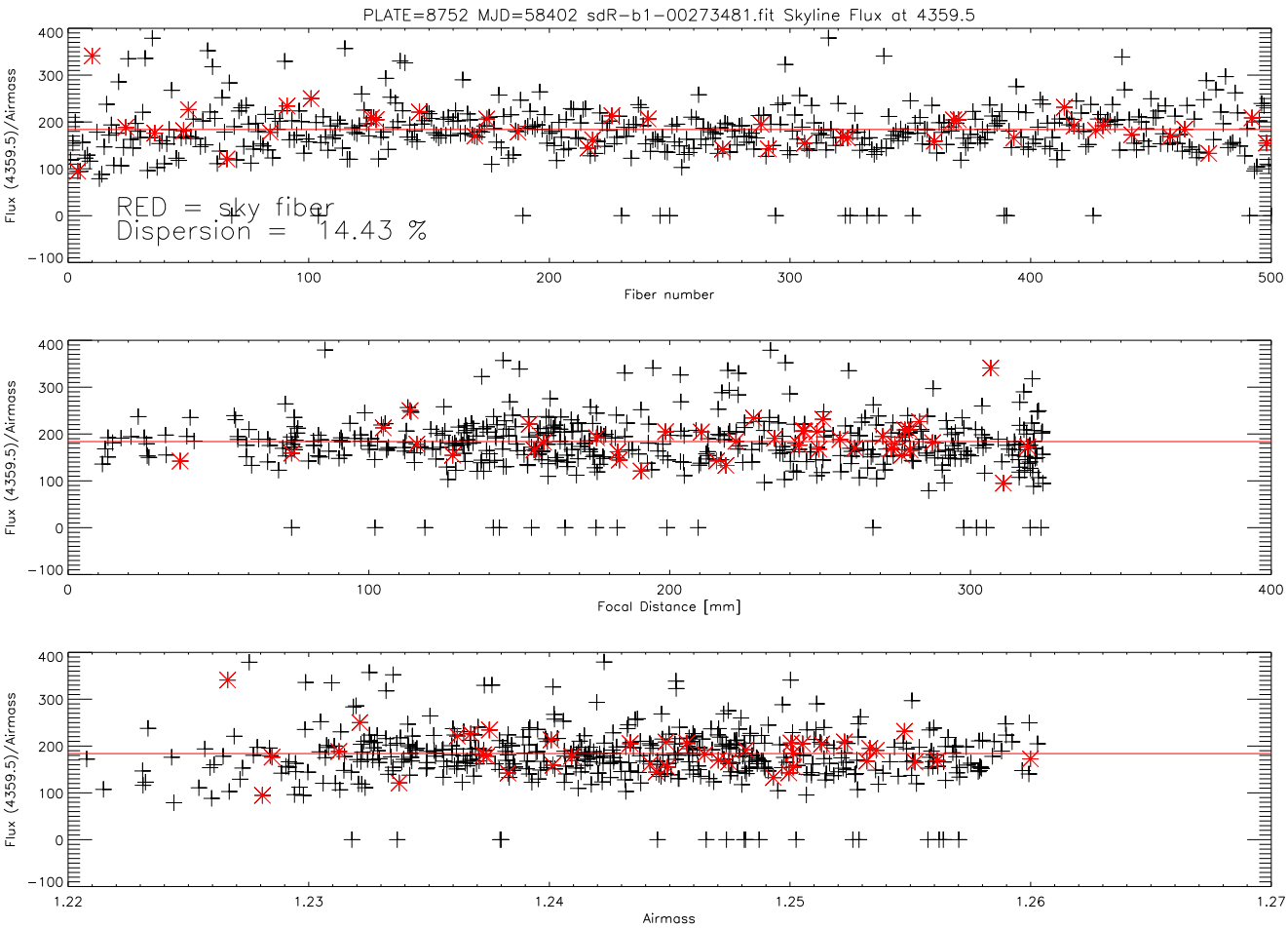

PLATE=8752 MJD=58402 sdR-b1-00273481.fit 2D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

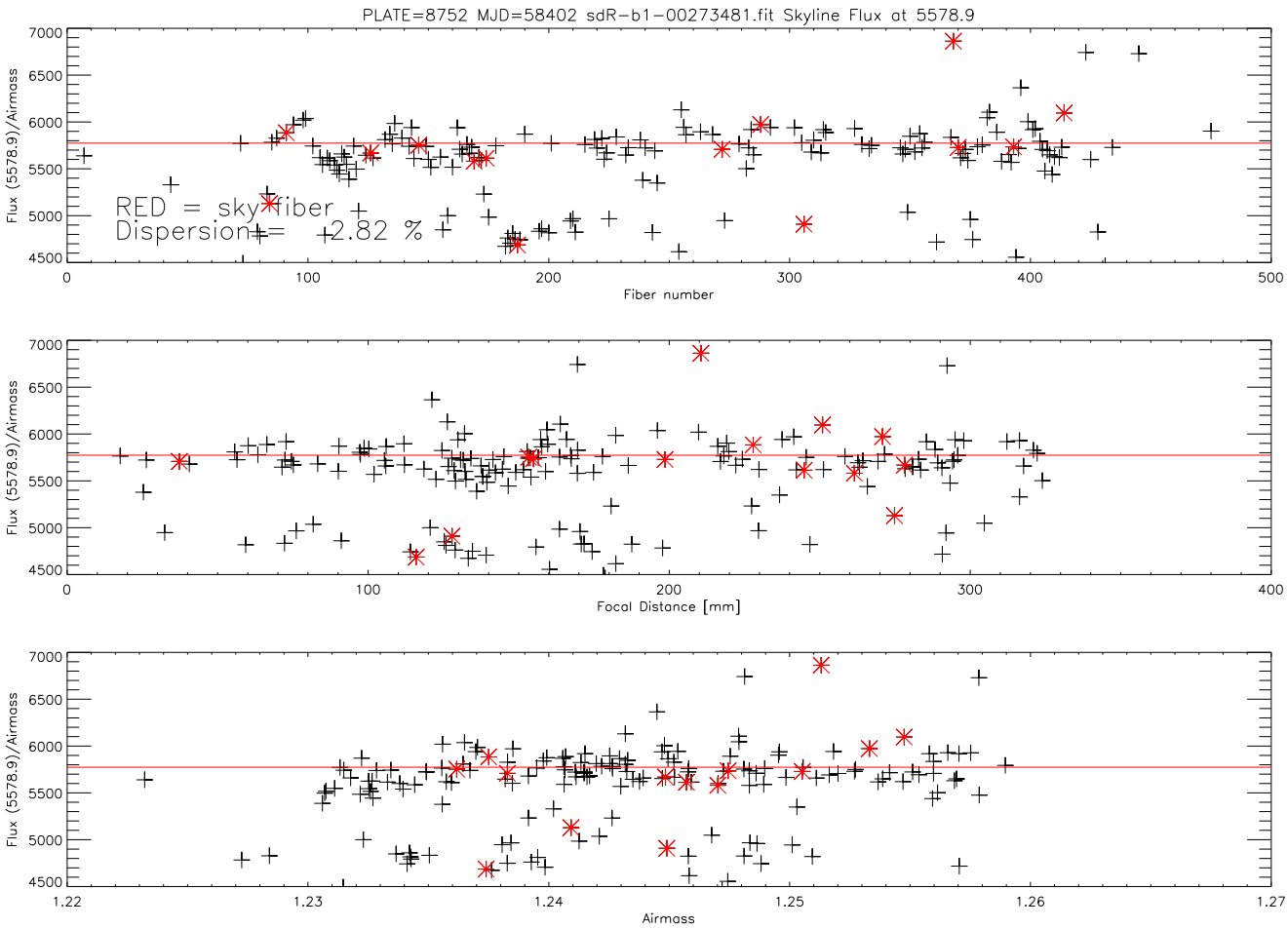

PLATE=8752 MJD=58402 sdR-b1-00273481.fit 2D Sky-subtraction Sky Fibers
Flux [electrons]
4000
3000
2000
1000
0
5570
5575
5580
5585
5590
λ [A]

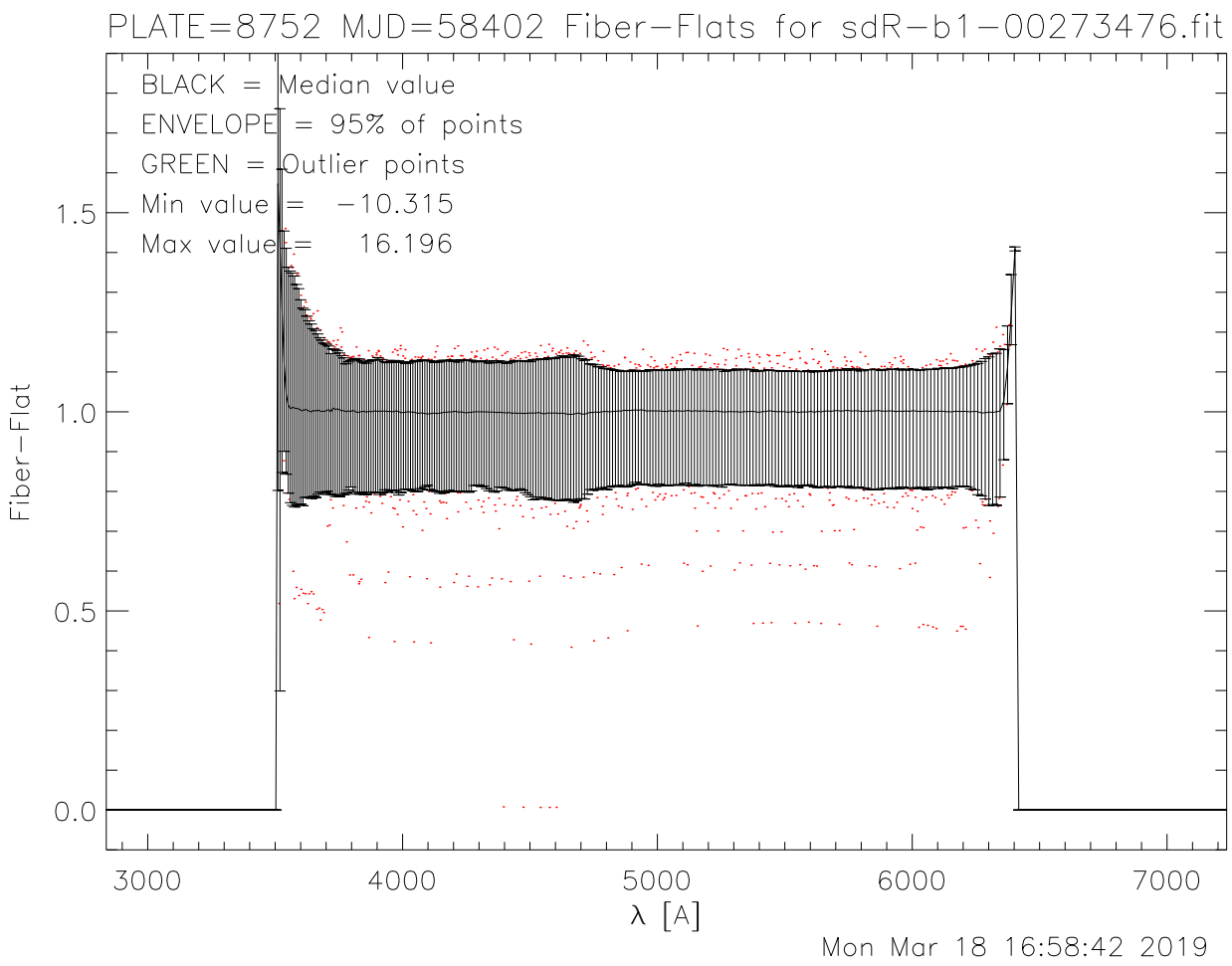

PLATE=8752 MJD=58402 sdR-b1-00273481.fit 2D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
300
200
100
0
-100
-200
5570
5575
5580
5585
5590
λ [A]

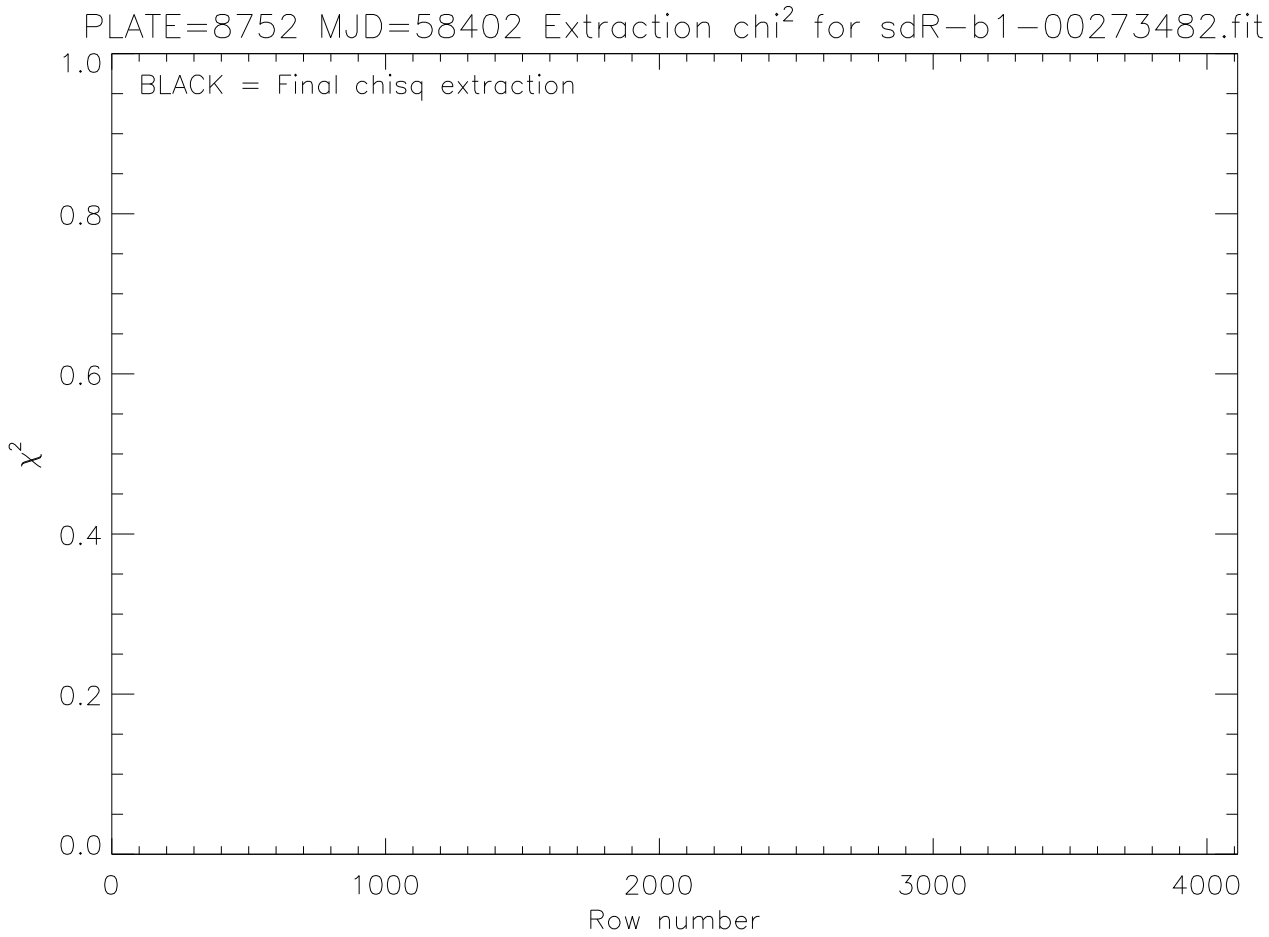
Number of sky fibers = 40

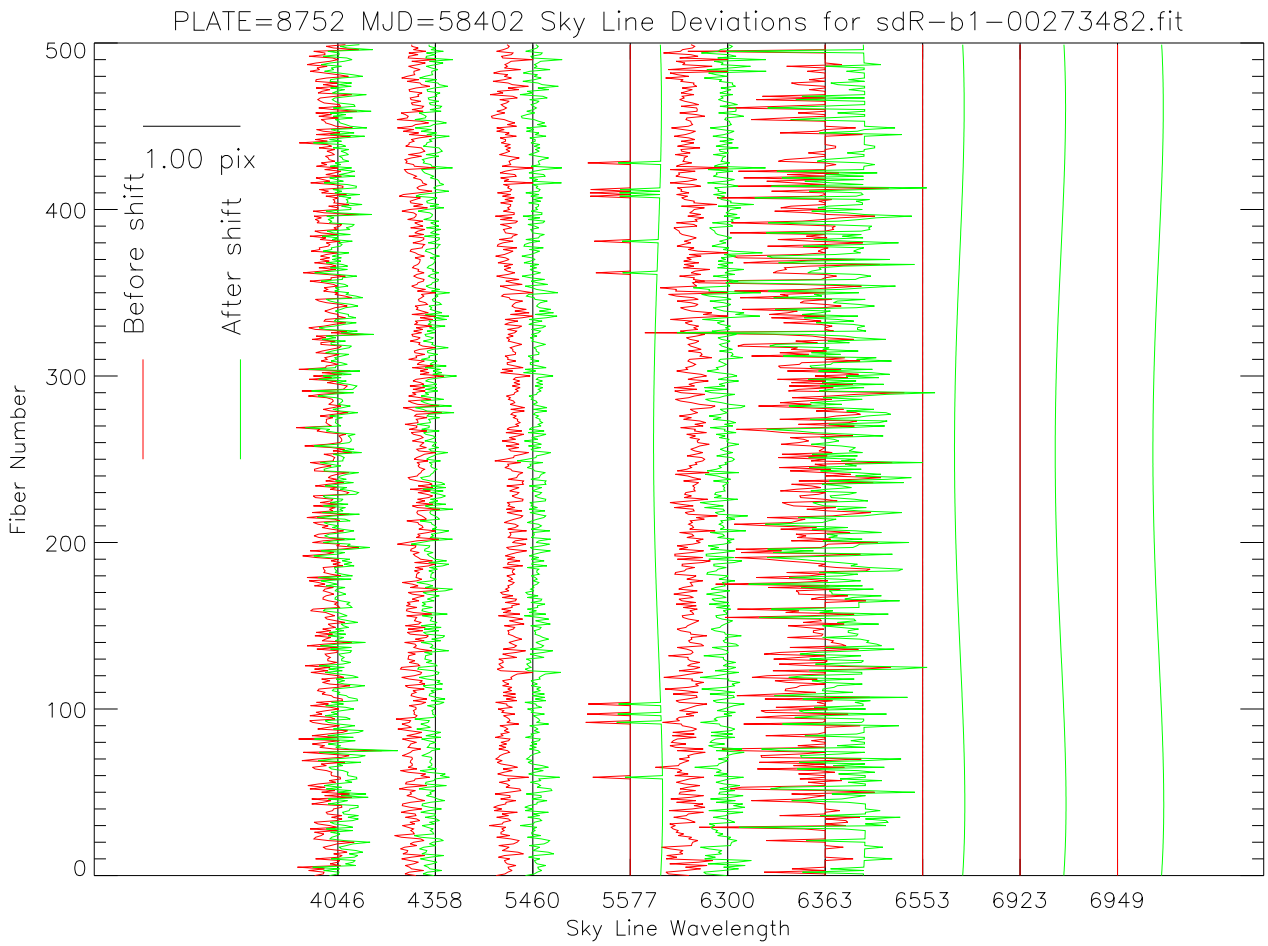


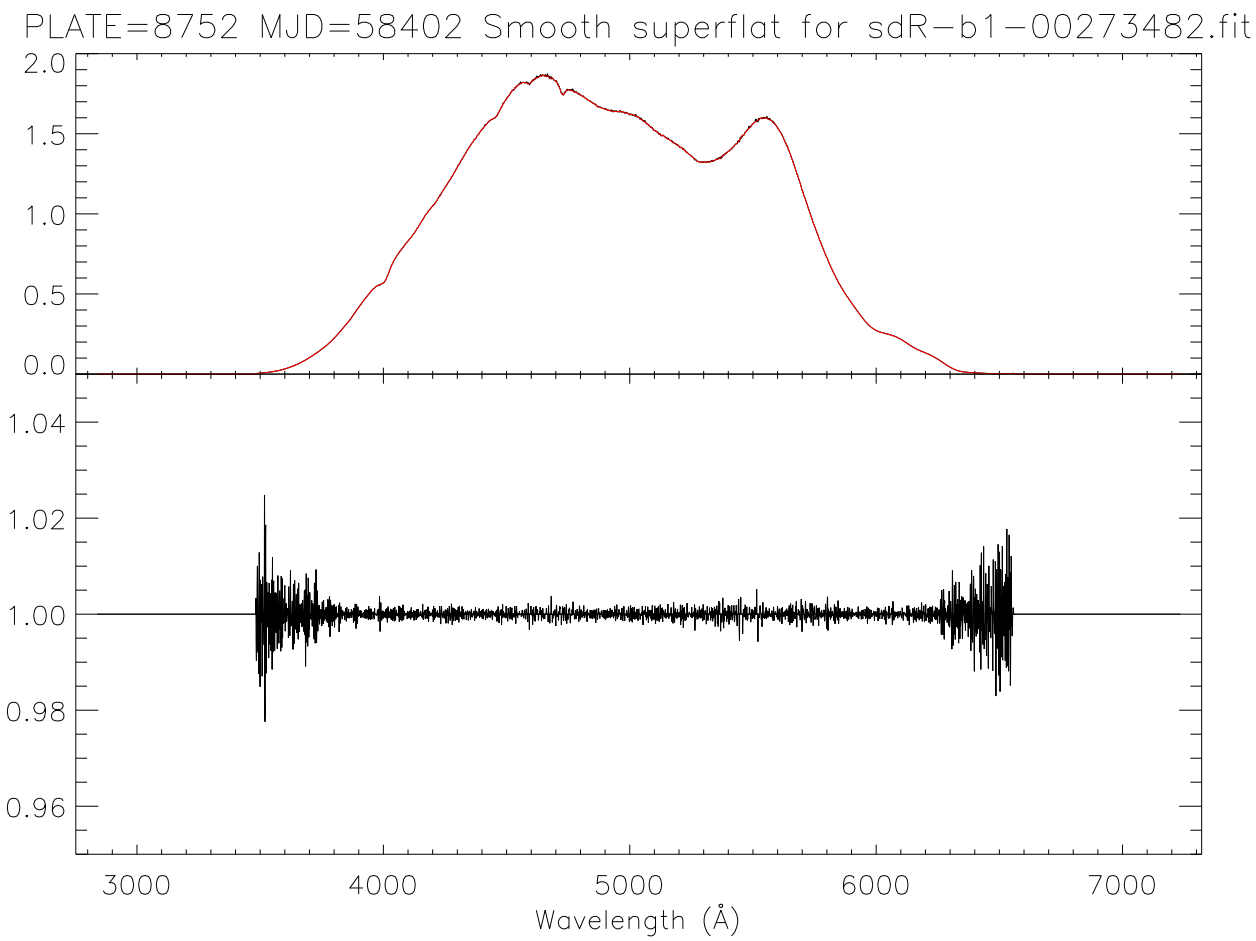

PLATE=8752 MJD=58402 sdR-b1-00273481.fit Skyline Flux at 4359.5
RED = sky fiber
Dispersion = 14.43 %
Flux (4359.5)/Airmass
Fiber number
Focal Distance [mm]
Airmass

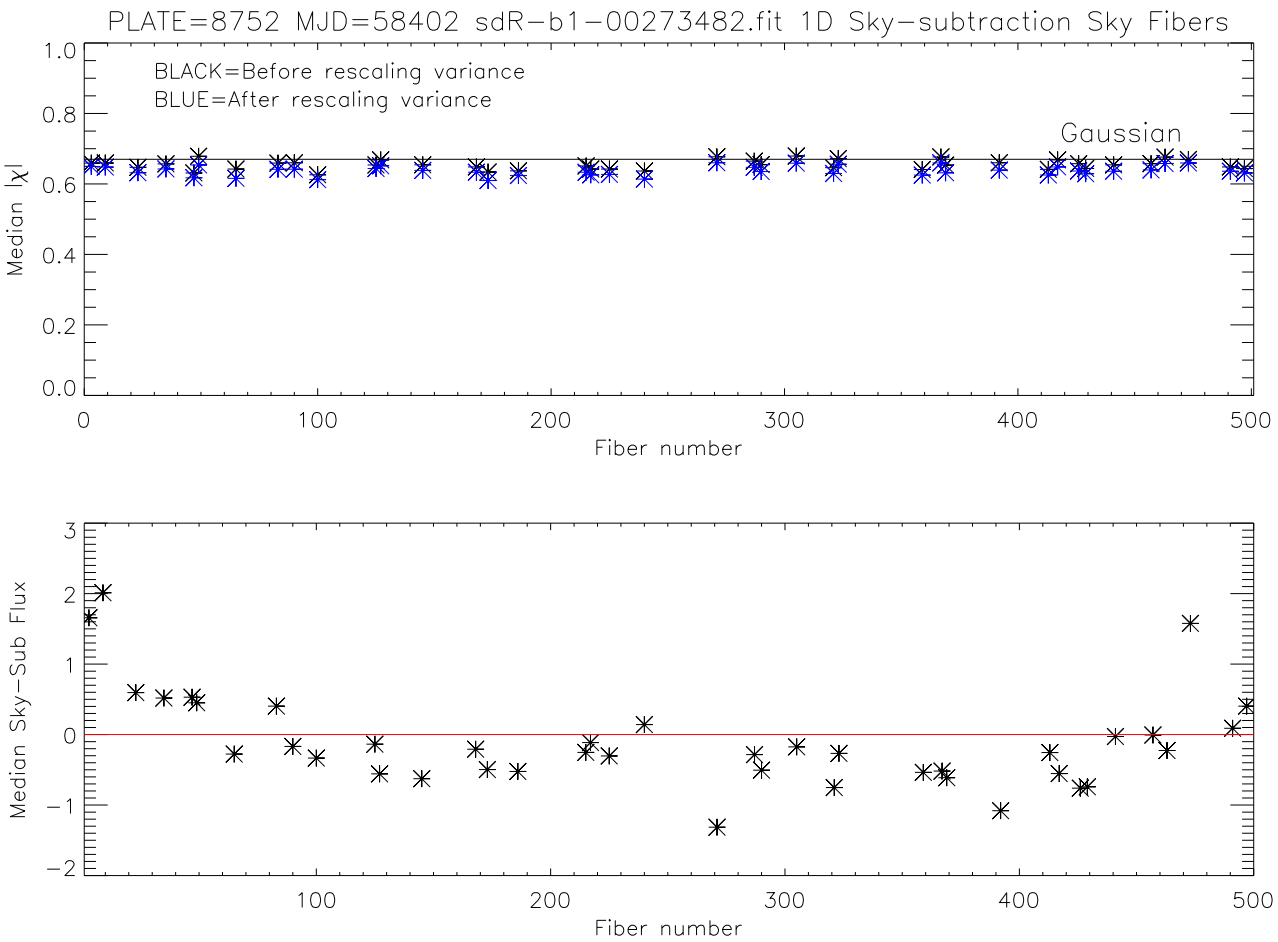

PLATE=8752 MJD=58402 sdR-b1-00273481.fit Skyline Flux at 5578.9
Flux (5578.9)/Airmass
Fiber number
RED = sky fiber
Dispersion= +2.82 %
Flux (5578.9)/Airmass
Focal Distance [mm]
Flux (5578.9)/Airmass
Airmass

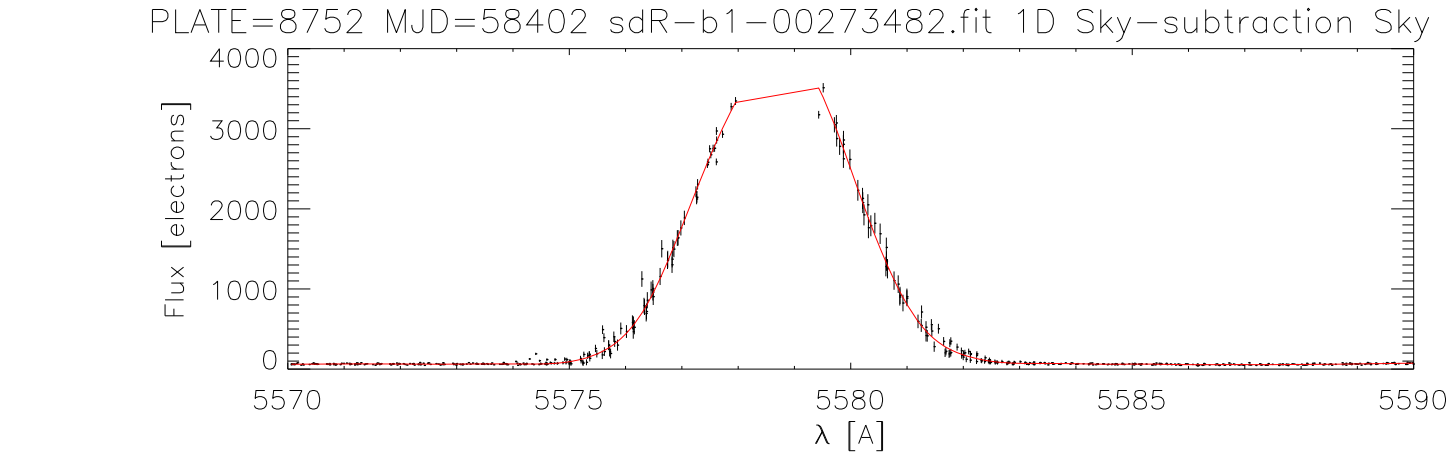

PLATE=8752 MJD=58402 Fiber−Flats for sdR−b1−00273476.fit
BLACK = Median value
ENVELOPE = 95% of points
GREEN = Outlier points
Min value = −10.315
Max value = 16.196
Fiber−Flat
0.0
0.5
1.0
1.5
3000
4000
5000
6000
7000
λ [A]
Mon Mar 18 16:58:42 2019

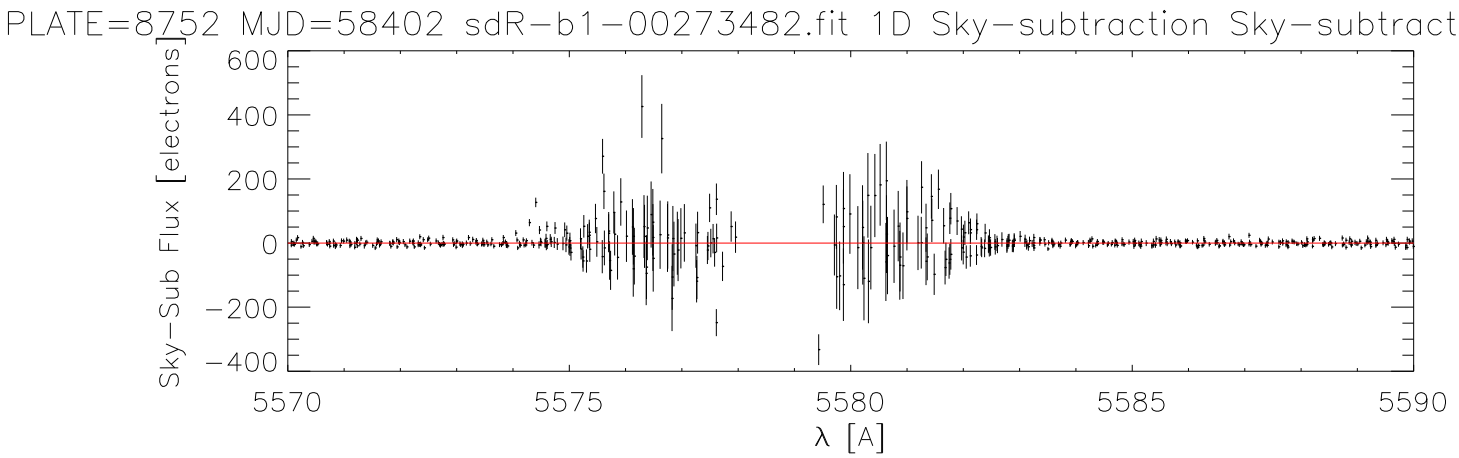

PLATE=8752 MJD=58402 Extraction chi^2 for sdR−b1−00273482.fit
BLACK = Final chisq extraction
χ^2
1.0
0.8
0.6
0.4
0.2
0.0
0
1000
2000
3000
4000
Row number


PLATE=8752 MJD=58402 Sky Line Deviations for sdR-b1-00273482.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

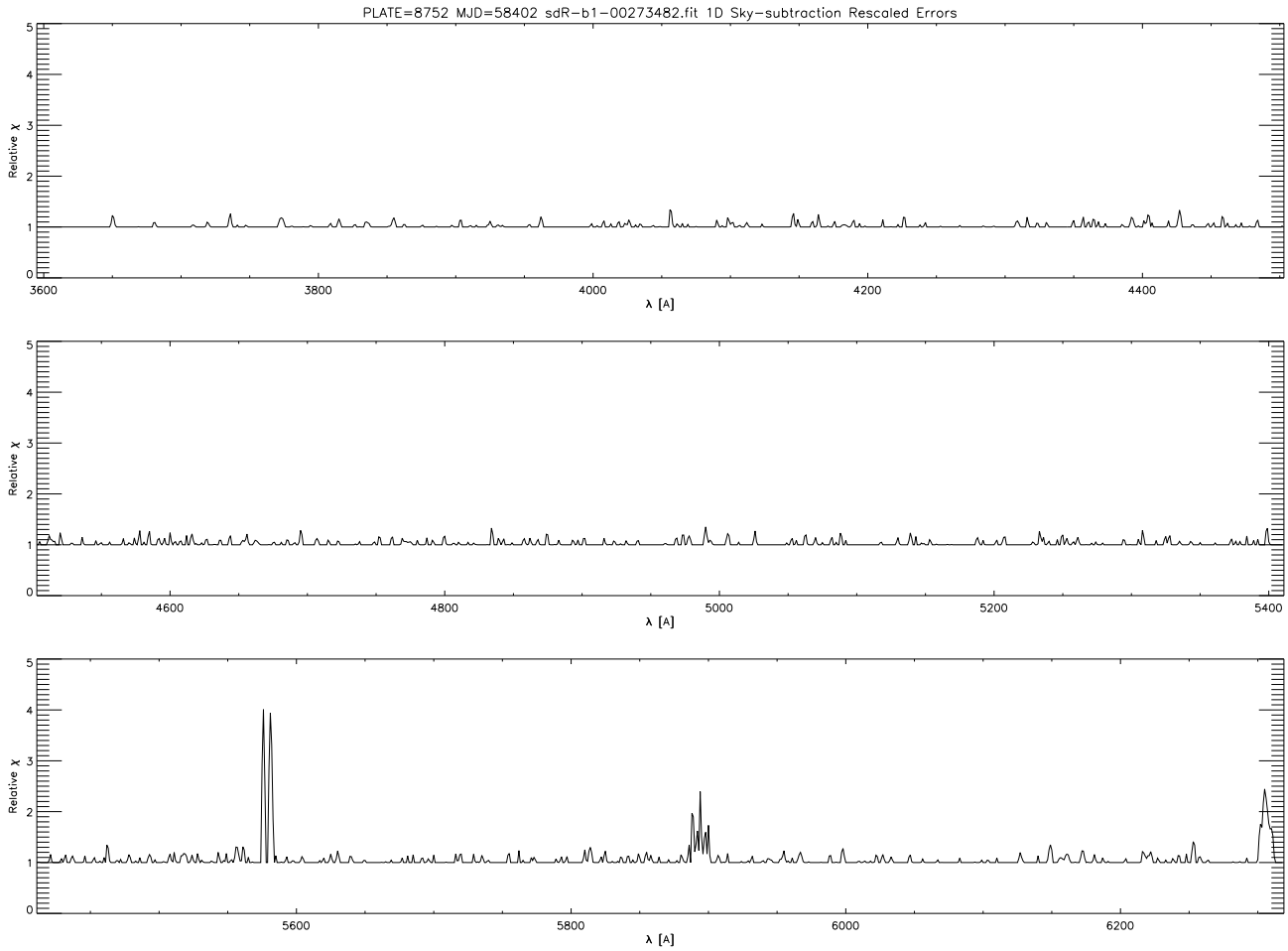

PLATE=8752 MJD=58402 Smooth superflat for sdR-b1-00273482.fit
2.0
1.5
1.0
0.5
0.0
1.04
1.02
1.00
0.98
0.96
3000
4000
5000
6000
7000
Wavelength (Å)

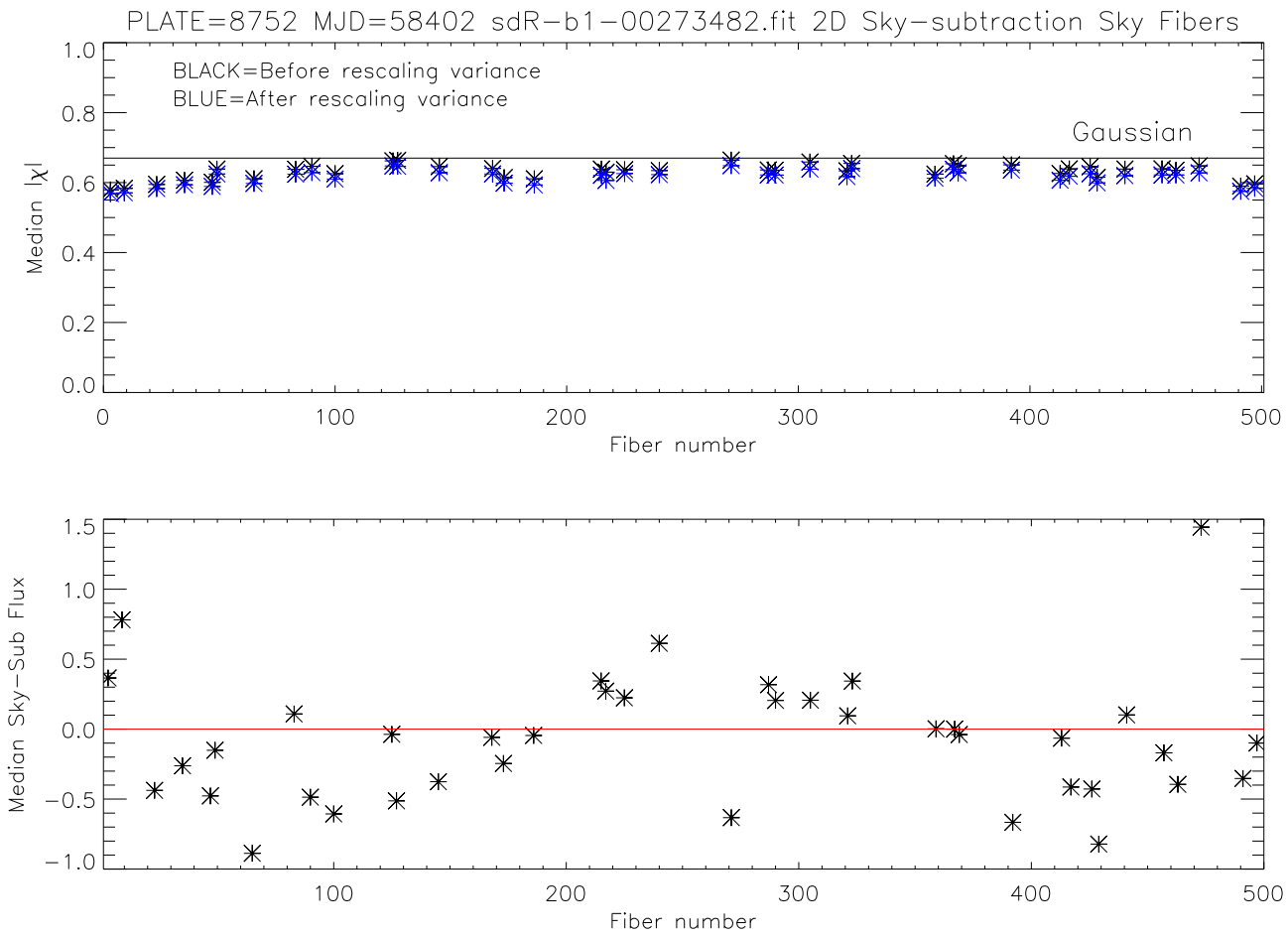

PLATE=8752 MJD=58402 sdR-b1-00273482.fit 1D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

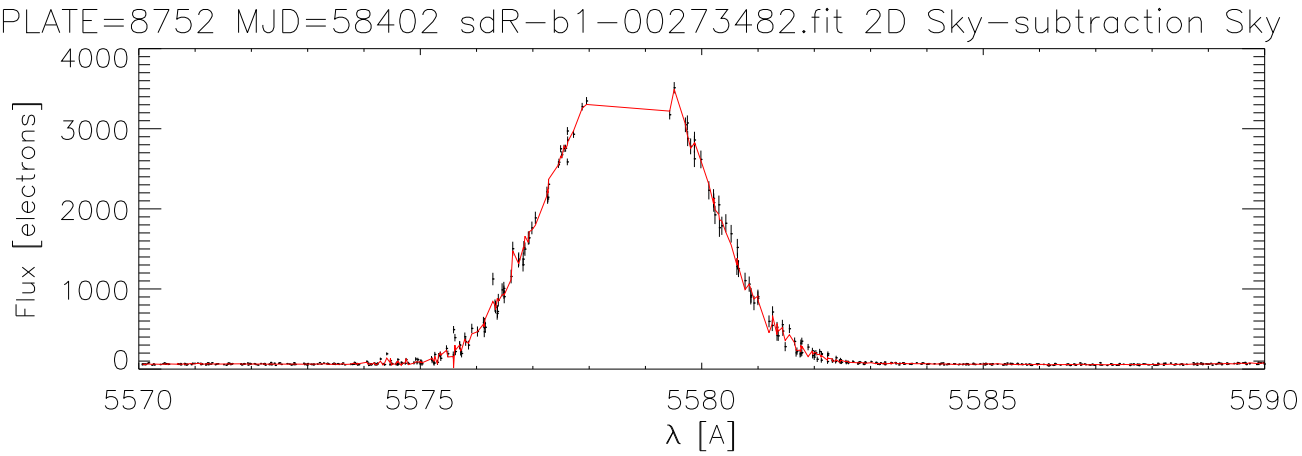

PLATE=8752 MJD=58402 sdR-b1-00273482.fit 1D Sky-subtraction Sky Fibers
Flux [electrons]
4000
3000
2000
1000
0
5570
5575
5580
5585
5590
λ [A]

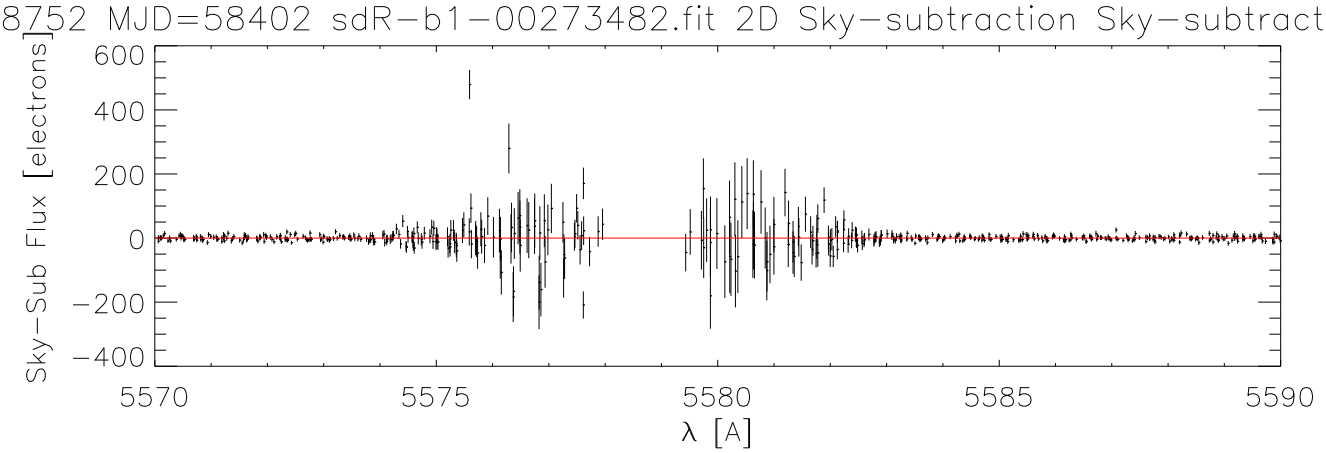

PLATE=8752 MJD=58402 sdR-b1-00273482.fit 1D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
600
400
200
0
-200
-400
5570
5575
5580
5585
5590
λ [A]

Number of sky fibers = 40

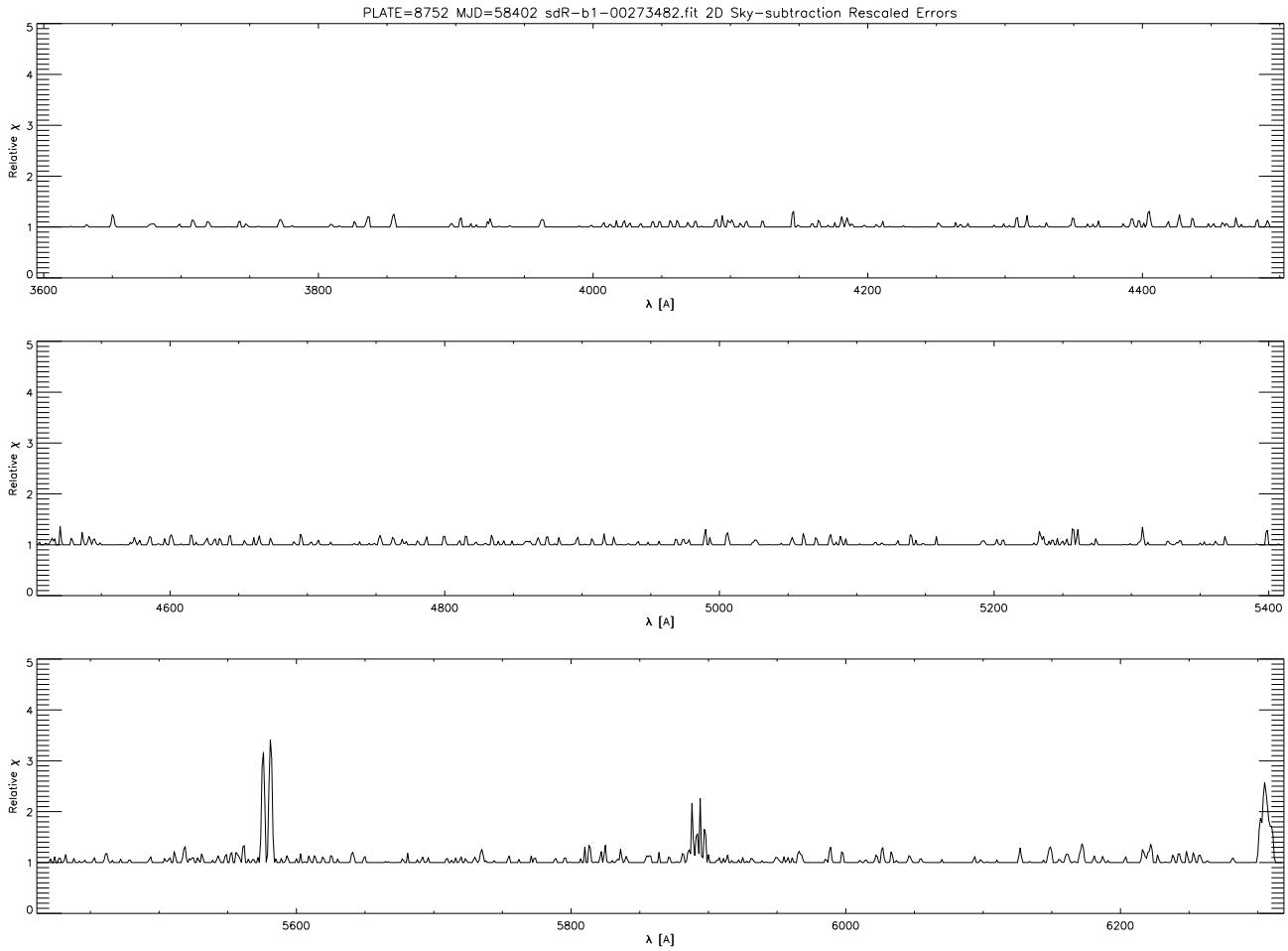


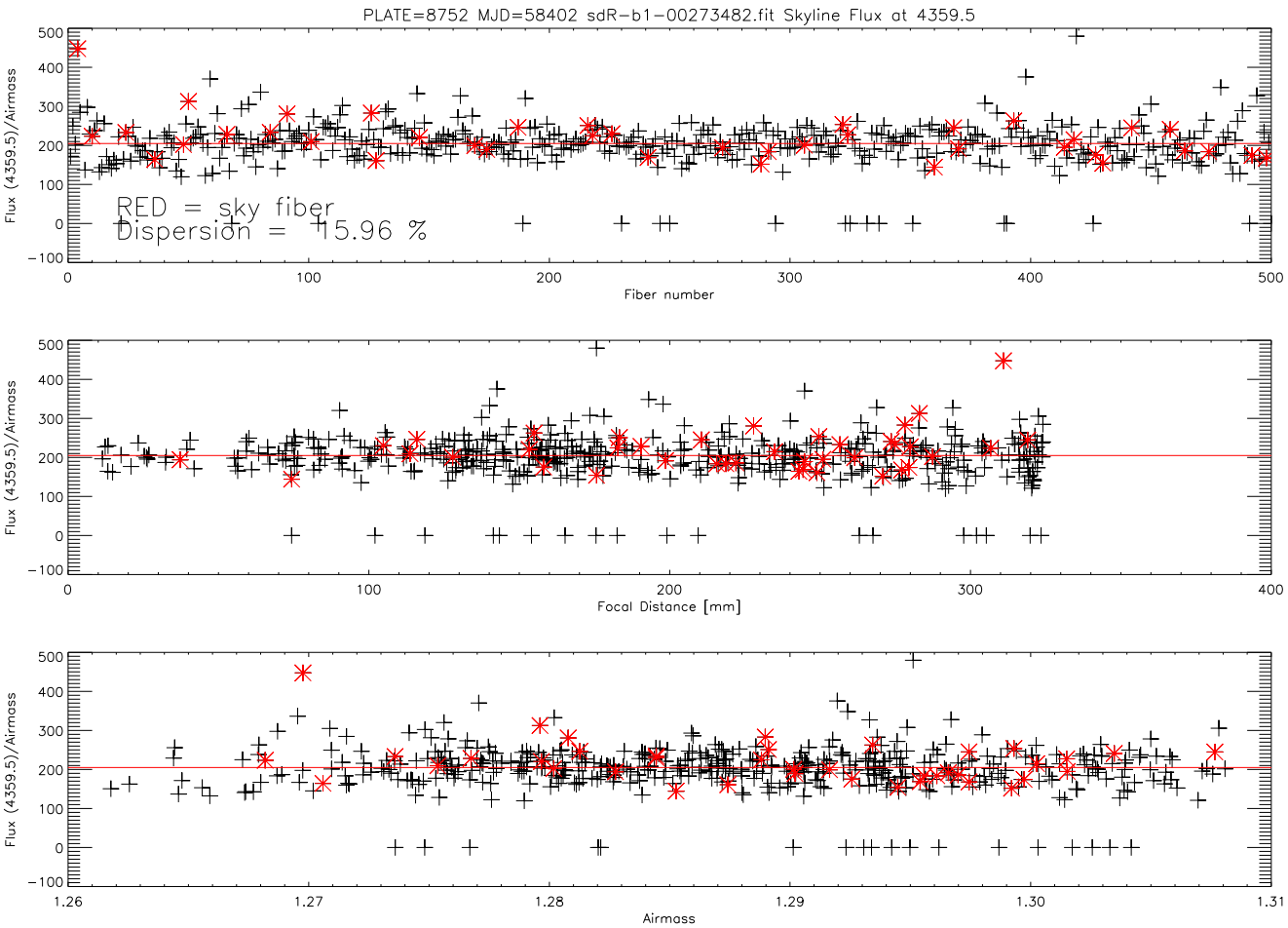

PLATE=8752 MJD=58402 sdR-b1-00273482.fit 2D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

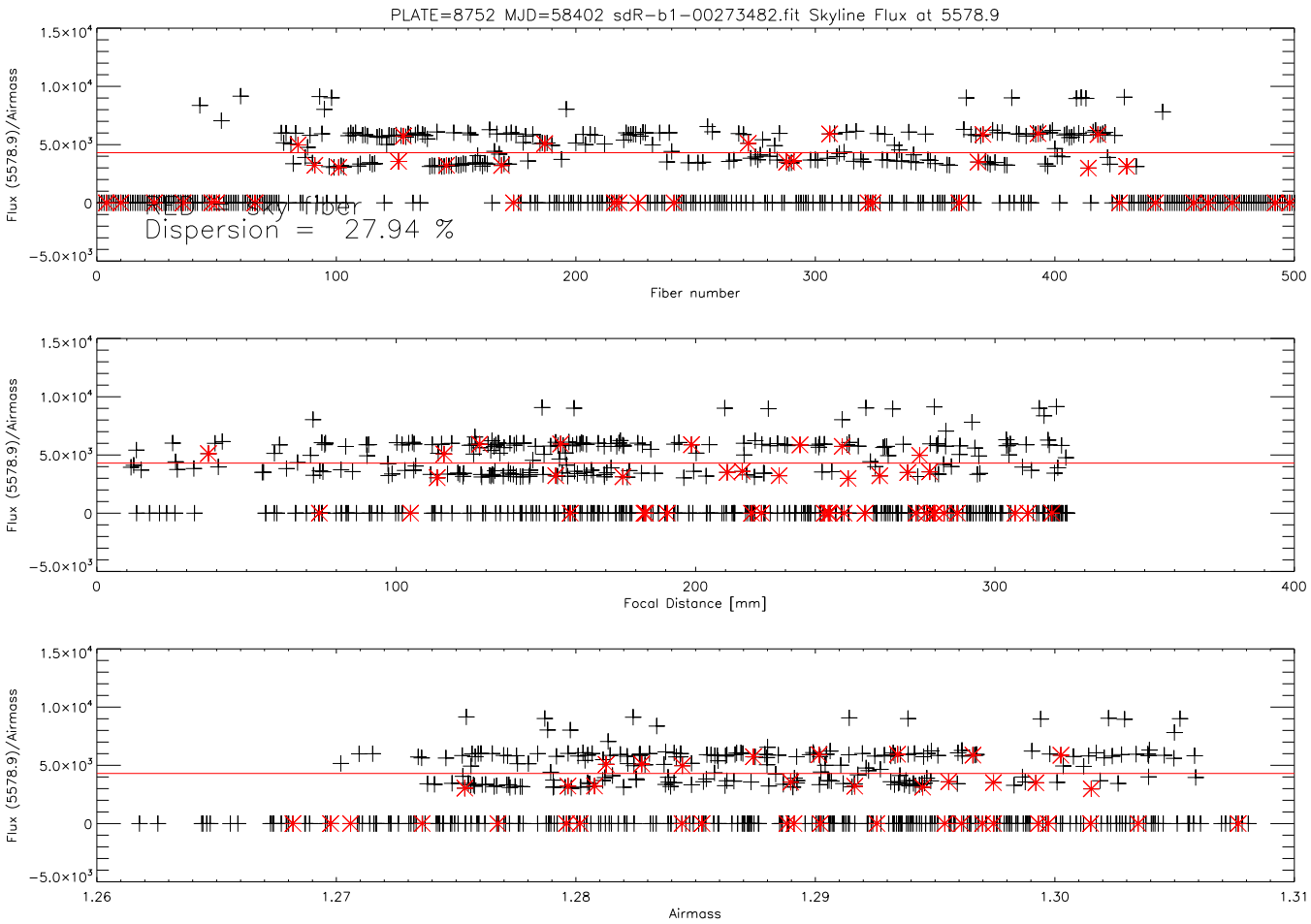

PLATE=8752 MJD=58402 sdR-b1-00273482.fit 2D Sky-subtraction Sky Fibers
Flux [electrons]
4000
3000
2000
1000
0
5570
5575
5580
5585
5590
λ [A]


PLATE=8752 MJD=58402 sdR-b1-00273482.fit 2D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
600
400
200
0
-200
-400
5570
5575
5580
5585
5590
λ [A]

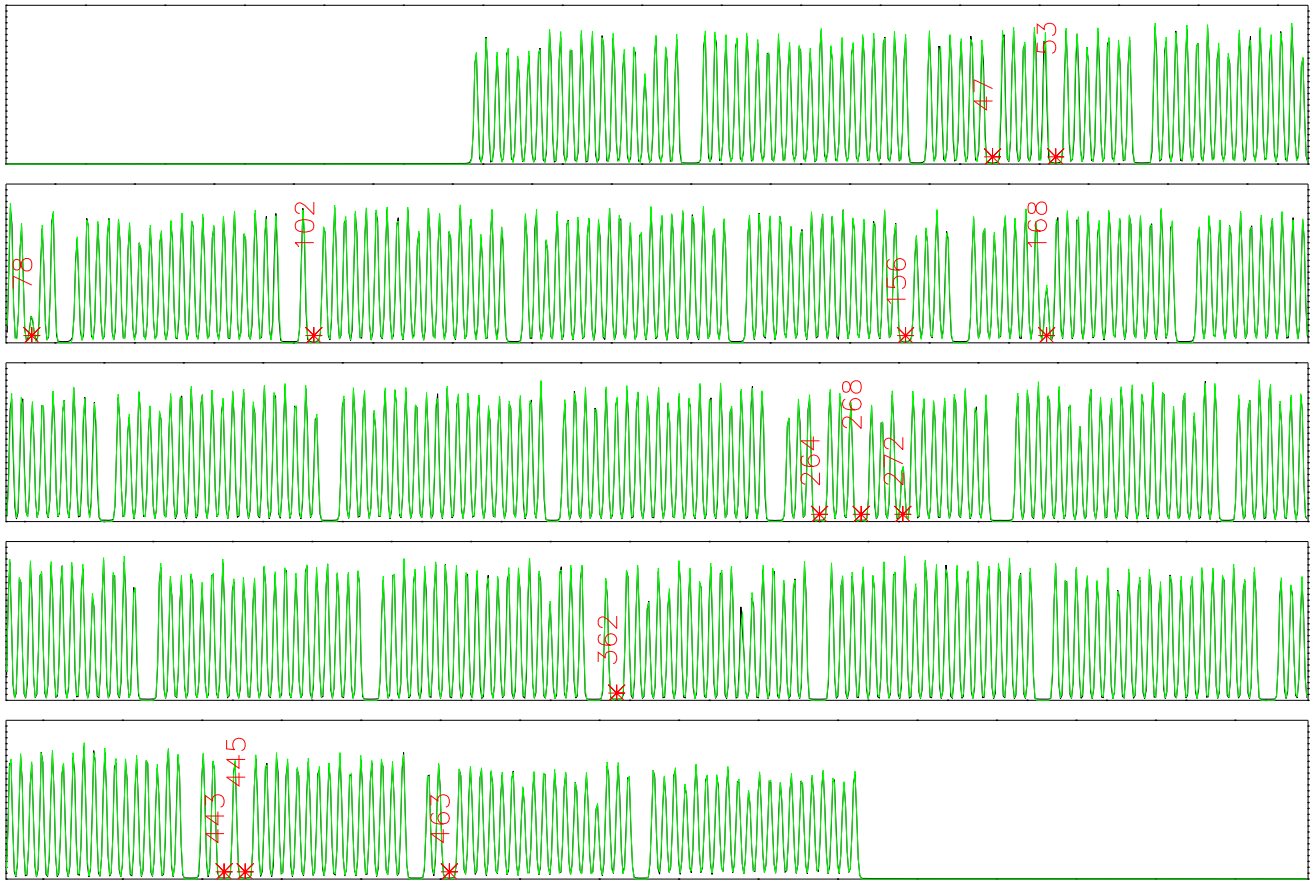
Number of sky fibers = 40

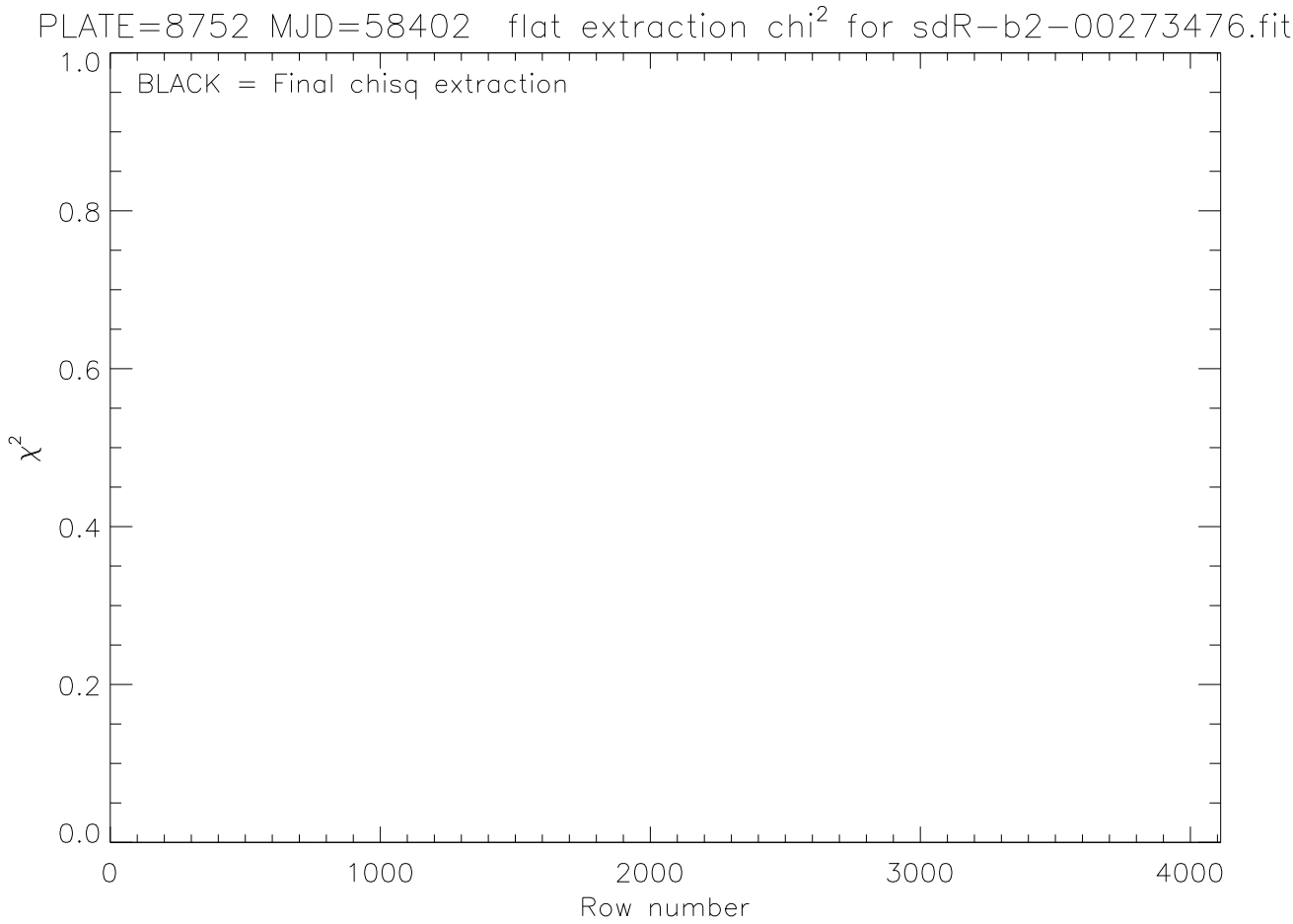


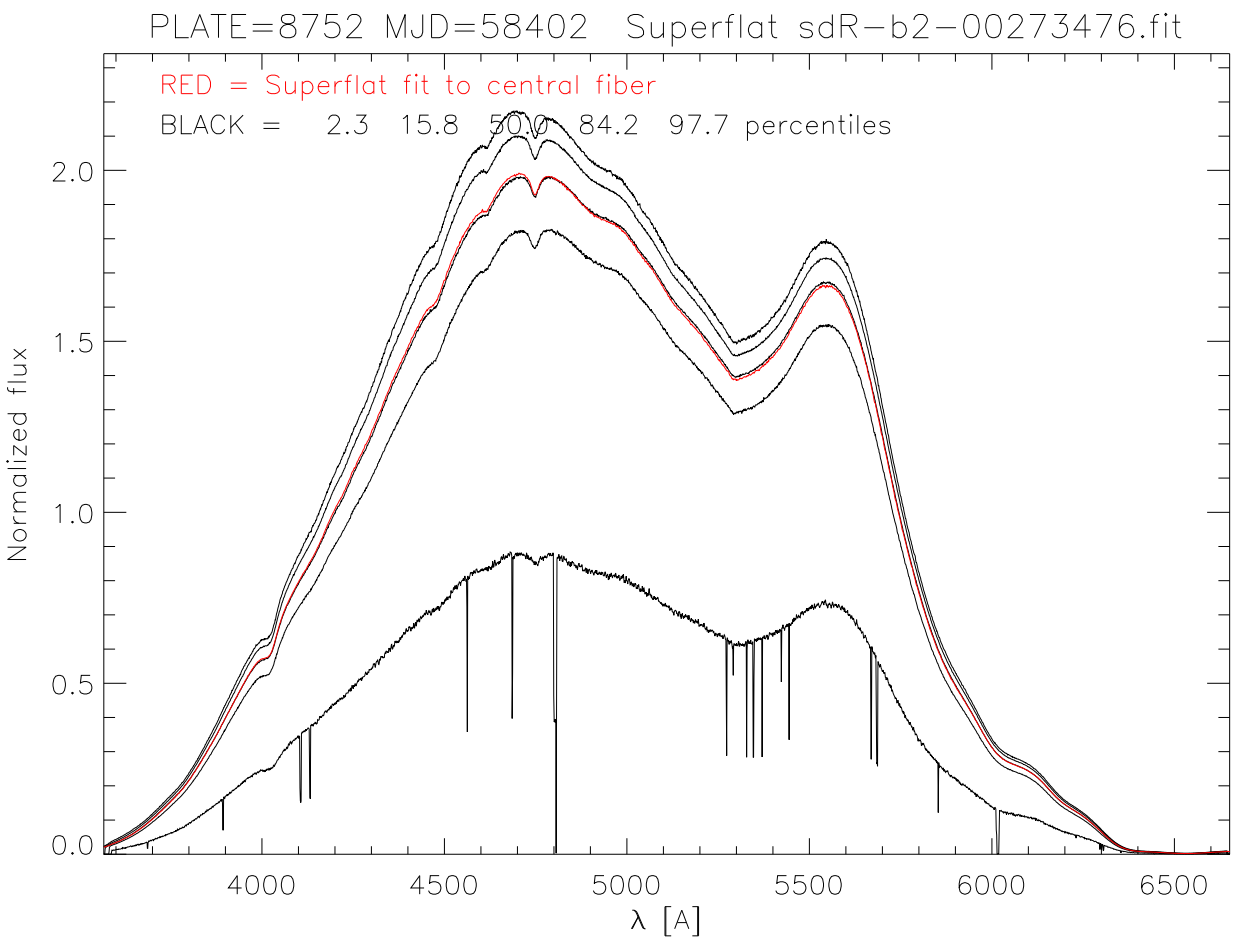

PLATE=8752 MJD=58402 sdR-b1-00273482.fit Skyline Flux at 4359.5
Flux (4359.5)/Airmass
RED = sky fiber
Dispersion = 15.96 %
Fiber number
Flux (4359.5)/Airmass
Focal Distance [mm]
Flux (4359.5)/Airmass
Airmass

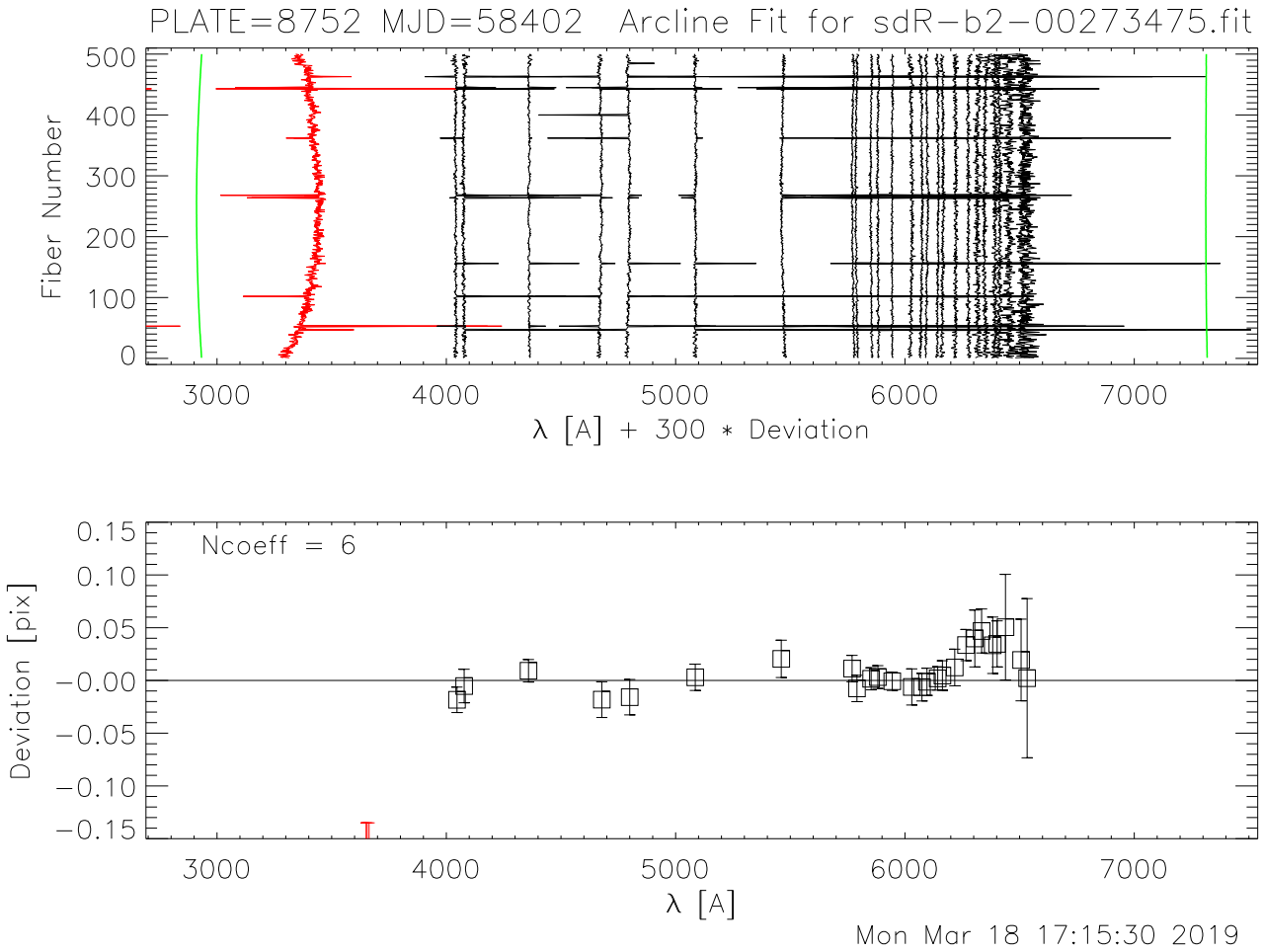

PLATE=8752 MJD=58402 sdR-b1-00273482.fit Skyline Flux at 5578.9
Flux (5578.9)/Airmass
Red sky fiber
Dispersion = 27.94 %
Fiber number
Focal Distance [mm]
Airmass

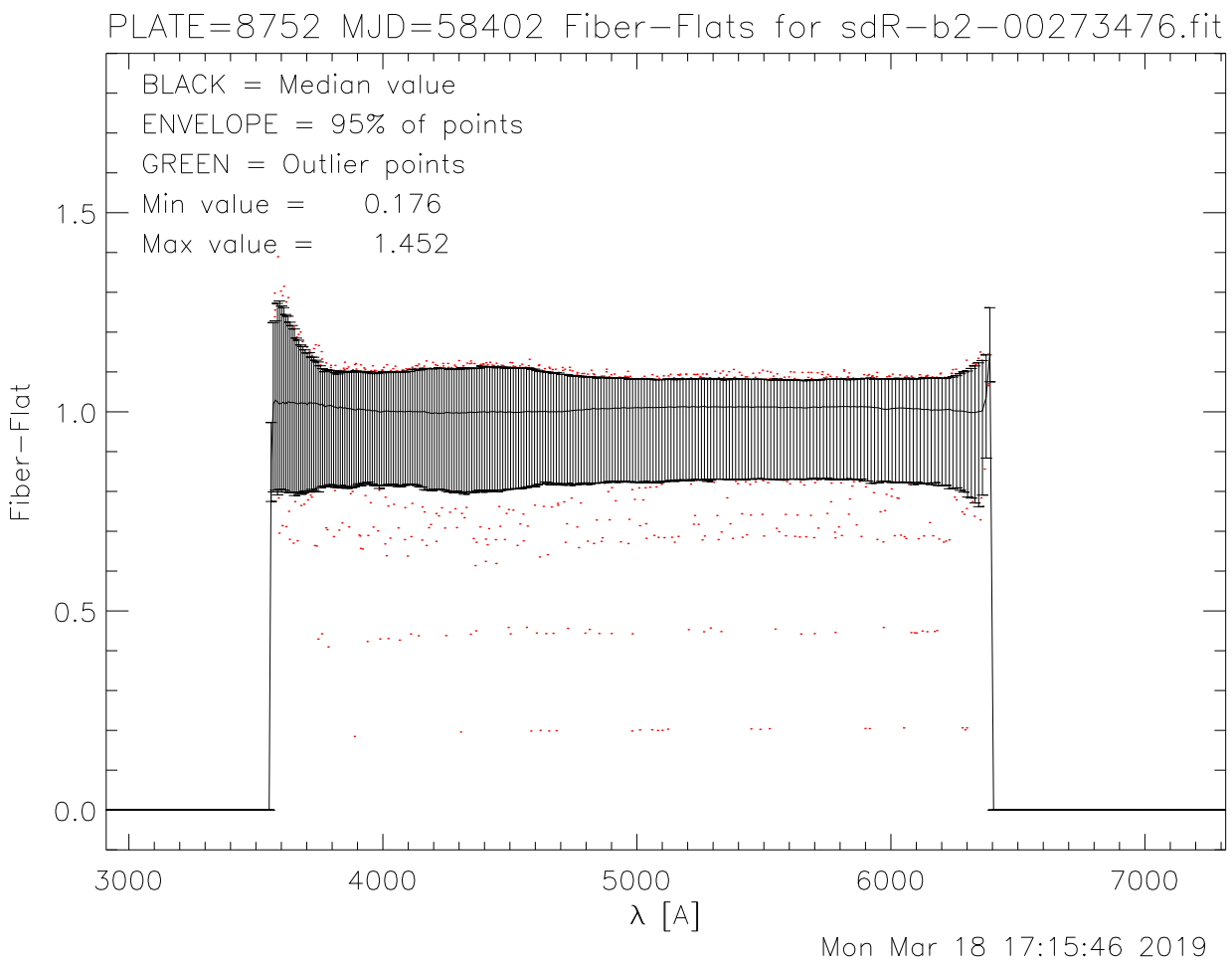
PLATE=8752 MJD=58402 Traces sdR-b2-00273476.fit

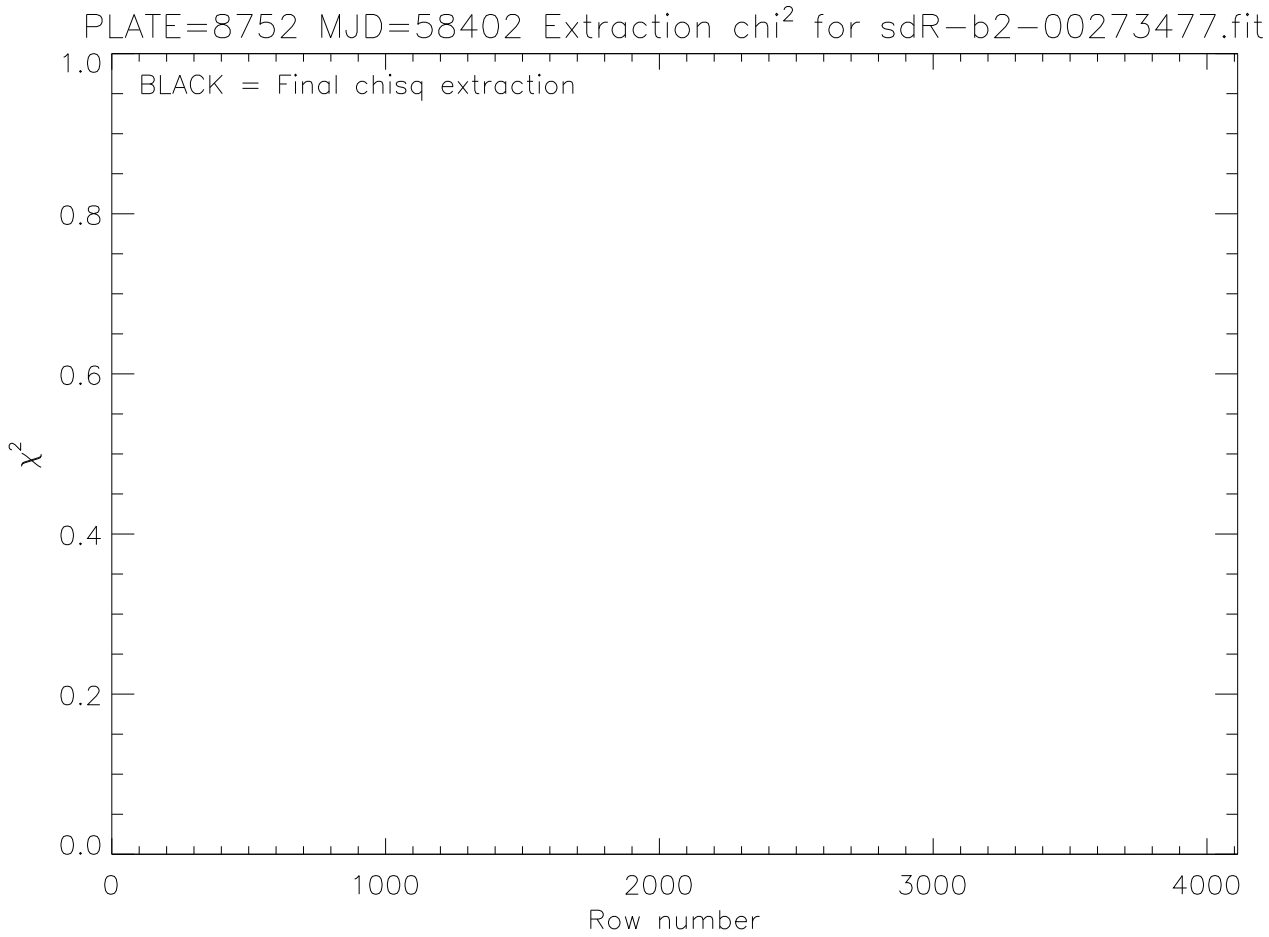


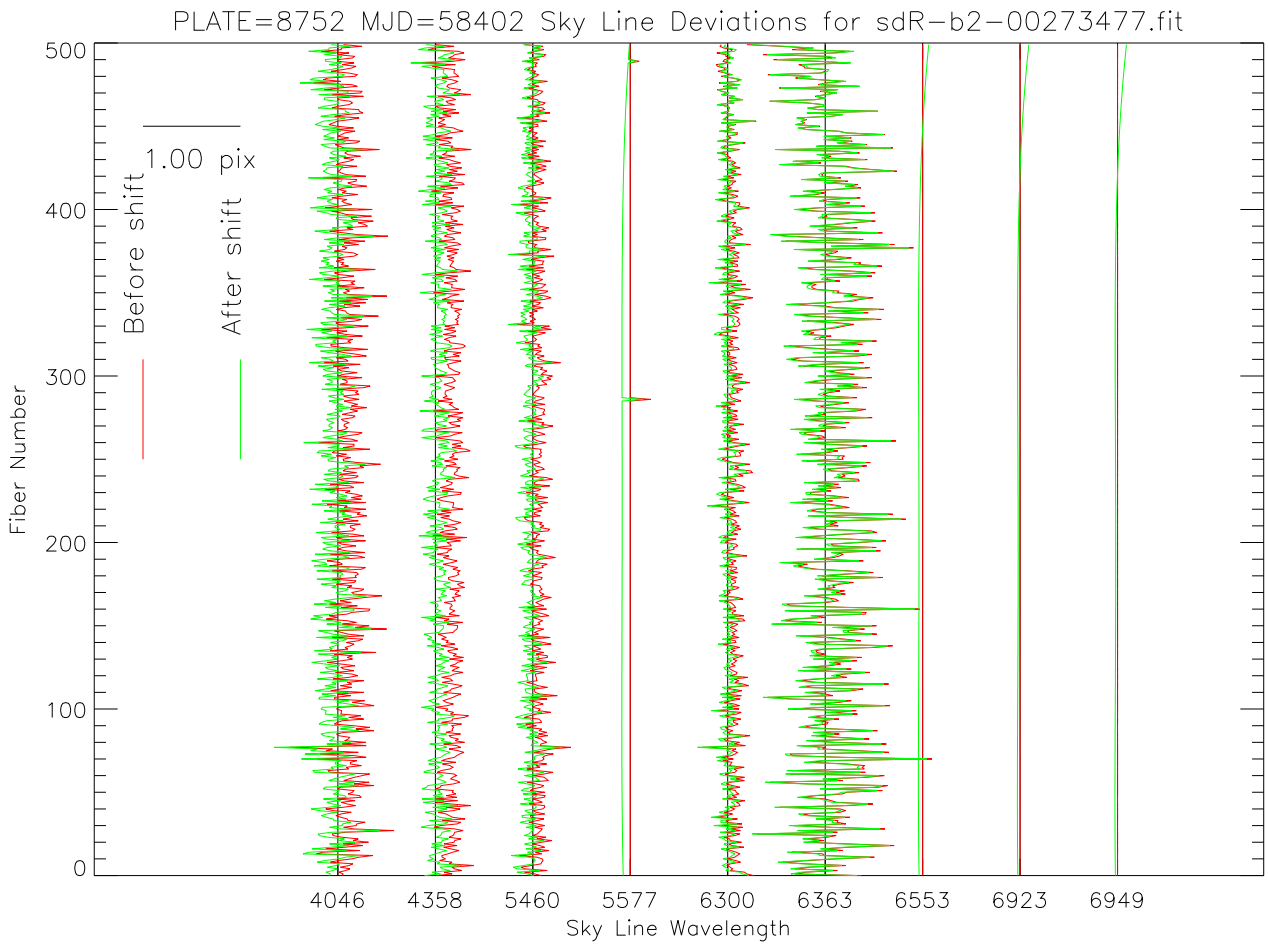

PLATE=8752 MJD=58402 flat extraction chi^2 for sdR−b2−00273476.fit
BLACK = Final chisq extraction
χ^2
1.0
0.8
0.6
0.4
0.2
0.0
0
1000
2000
3000
4000
Row number

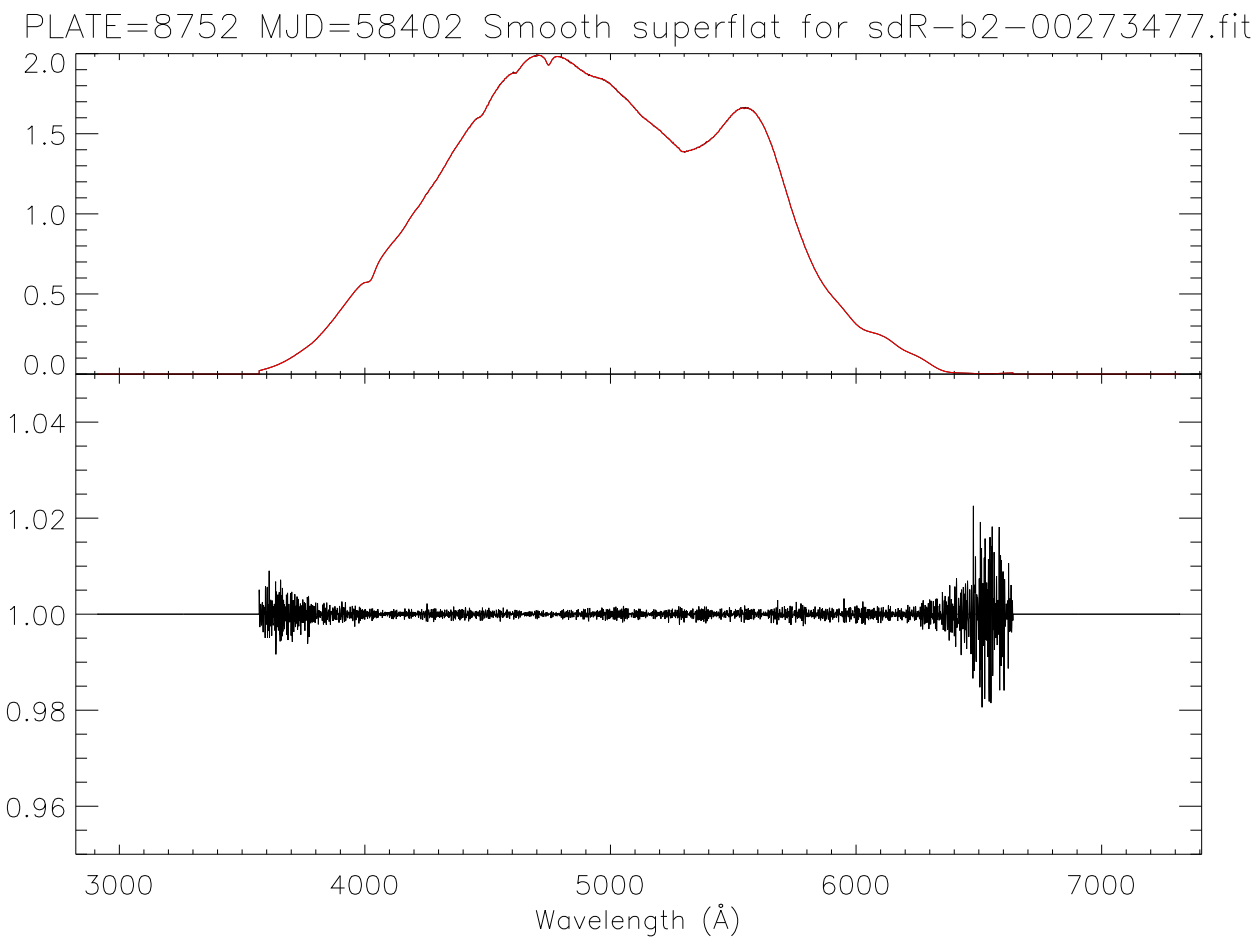

PLATE=8752 MJD=58402 Superflat sdR-b2-00273476.fit
RED = Superflat fit to central fiber
BLACK = 2.3 15.8 50.0 84.2 97.7 percentiles
Normalized flux
λ [A]
0.0
0.5
1.0
1.5
2.0
4000
4500
5000
5500
6000
6500

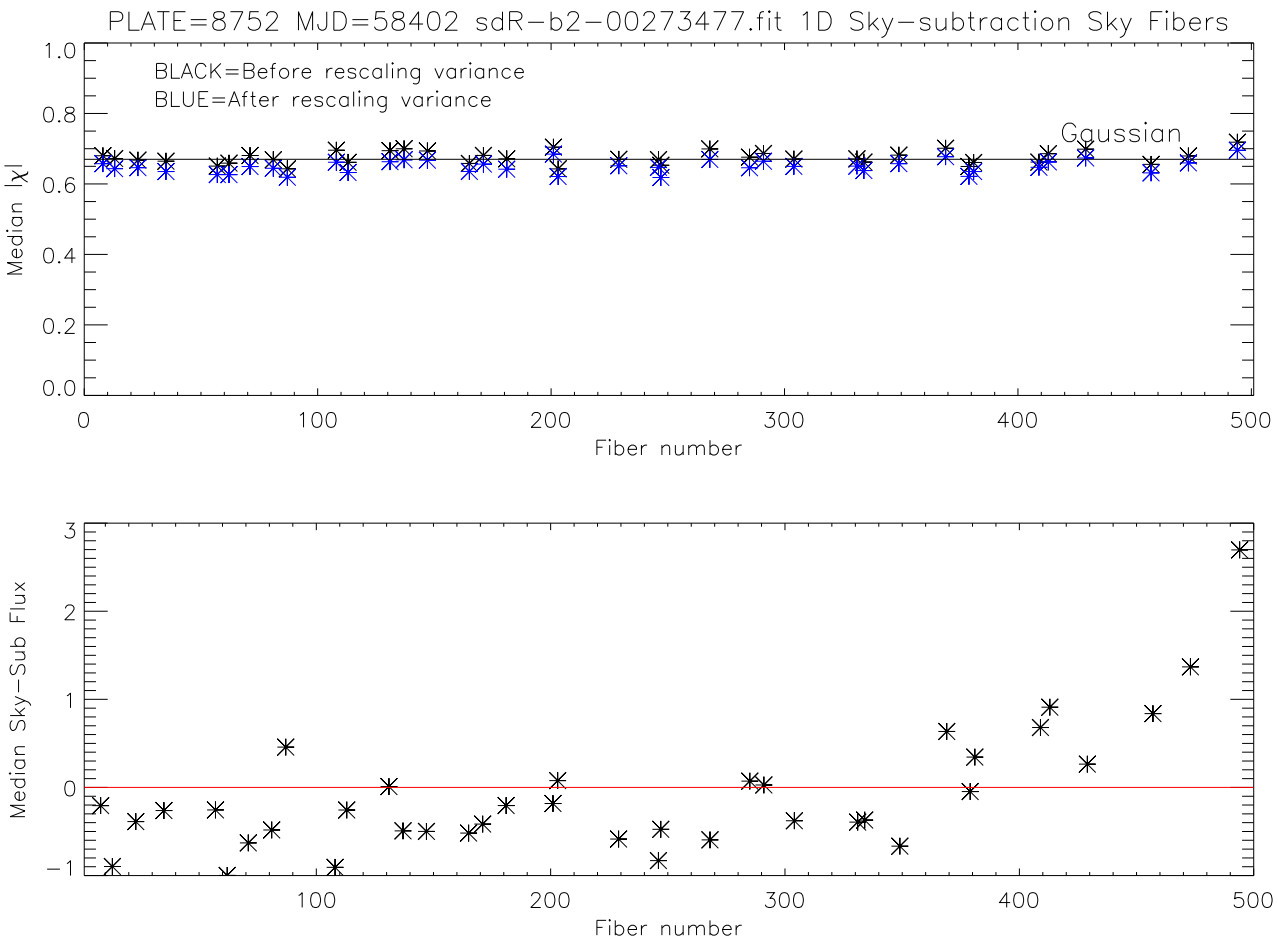

PLATE=8752 MJD=58402 Arcline Fit for sdR-b2-00273475.fit
Fiber Number
500
400
300
200
100
0
3000
4000
5000
6000
7000
λ [A] + 300 * Deviation
Ncoeff = 6
Deviation [pix]
0.15
0.10
0.05
−0.00
−0.05
−0.10
−0.15
3000
4000
5000
6000
7000
λ [A]
Mon Mar 18 17:15:30 2019

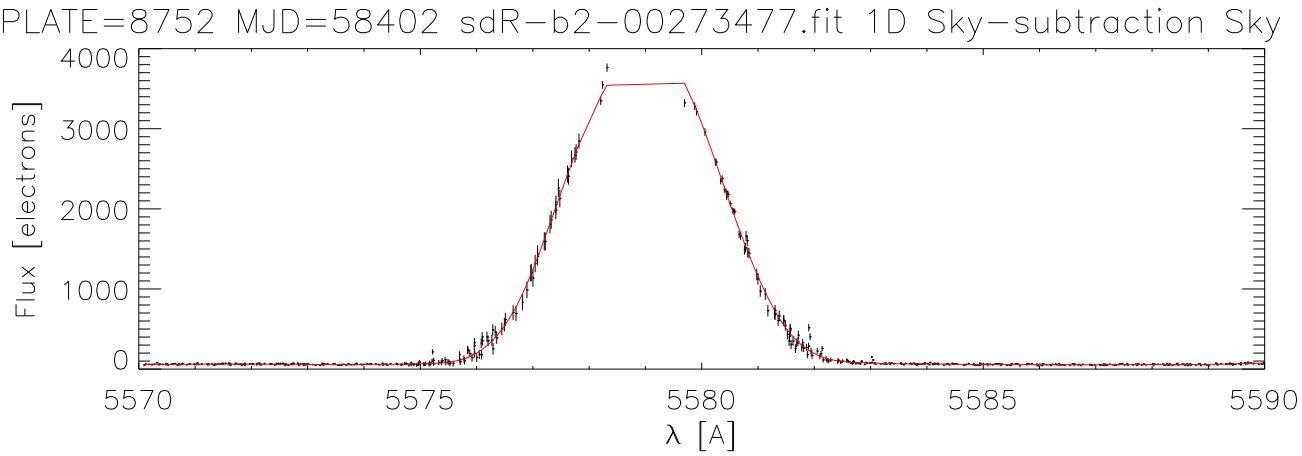

PLATE=8752 MJD=58402 Fiber-Flats for sdR-b2-00273476.fit
BLACK = Median value
ENVELOPE = 95% of points
GREEN = Outlier points
Min value = 0.176
Max value = 1.452
Fiber-Flat
1.5
1.0
0.5
0.0
3000
4000
5000
6000
7000
λ [A]
Mon Mar 18 17:15:46 2019

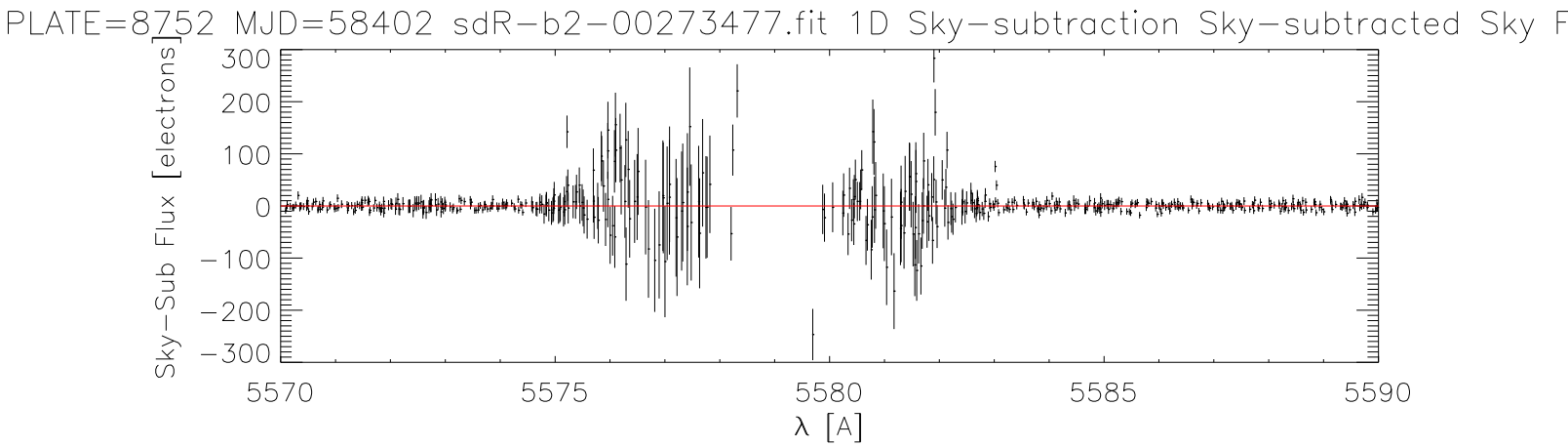

PLATE=8752 MJD=58402 Extraction chi^2 for sdR-b2-00273477.fit
BLACK = Final chisq extraction
1.0
0.8
0.6
0.4
0.2
0.0
χ^2
0
1000
2000
3000
4000
Row number


PLATE=8752 MJD=58402 Sky Line Deviations for sdR-b2-00273477.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

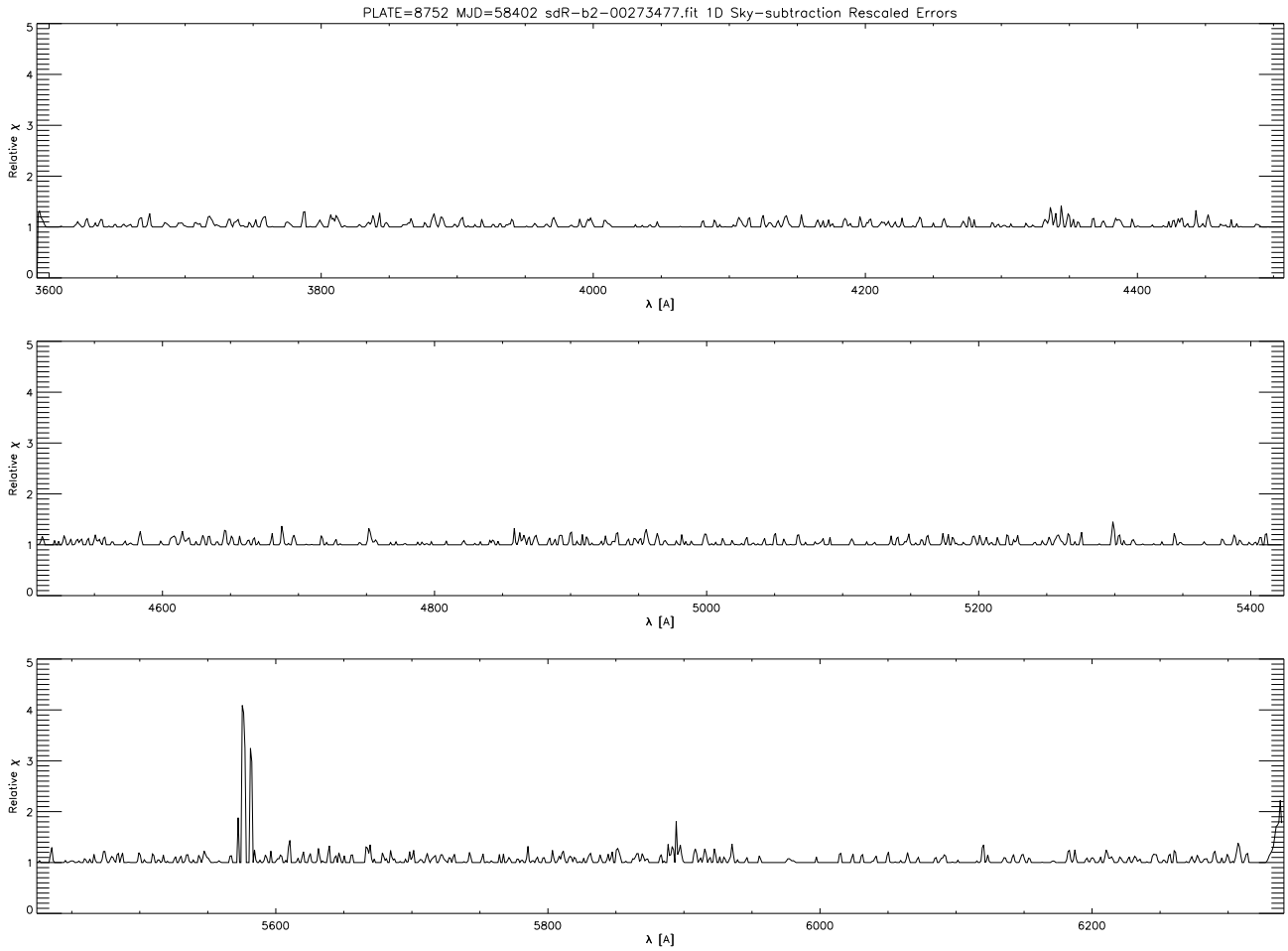

PLATE=8752 MJD=58402 Smooth superflat for sdR-b2-00273477.fit
2.0
1.5
1.0
0.5
0.0
1.04
1.02
1.00
0.98
0.96
3000
4000
5000
6000
7000
Wavelength (Å)

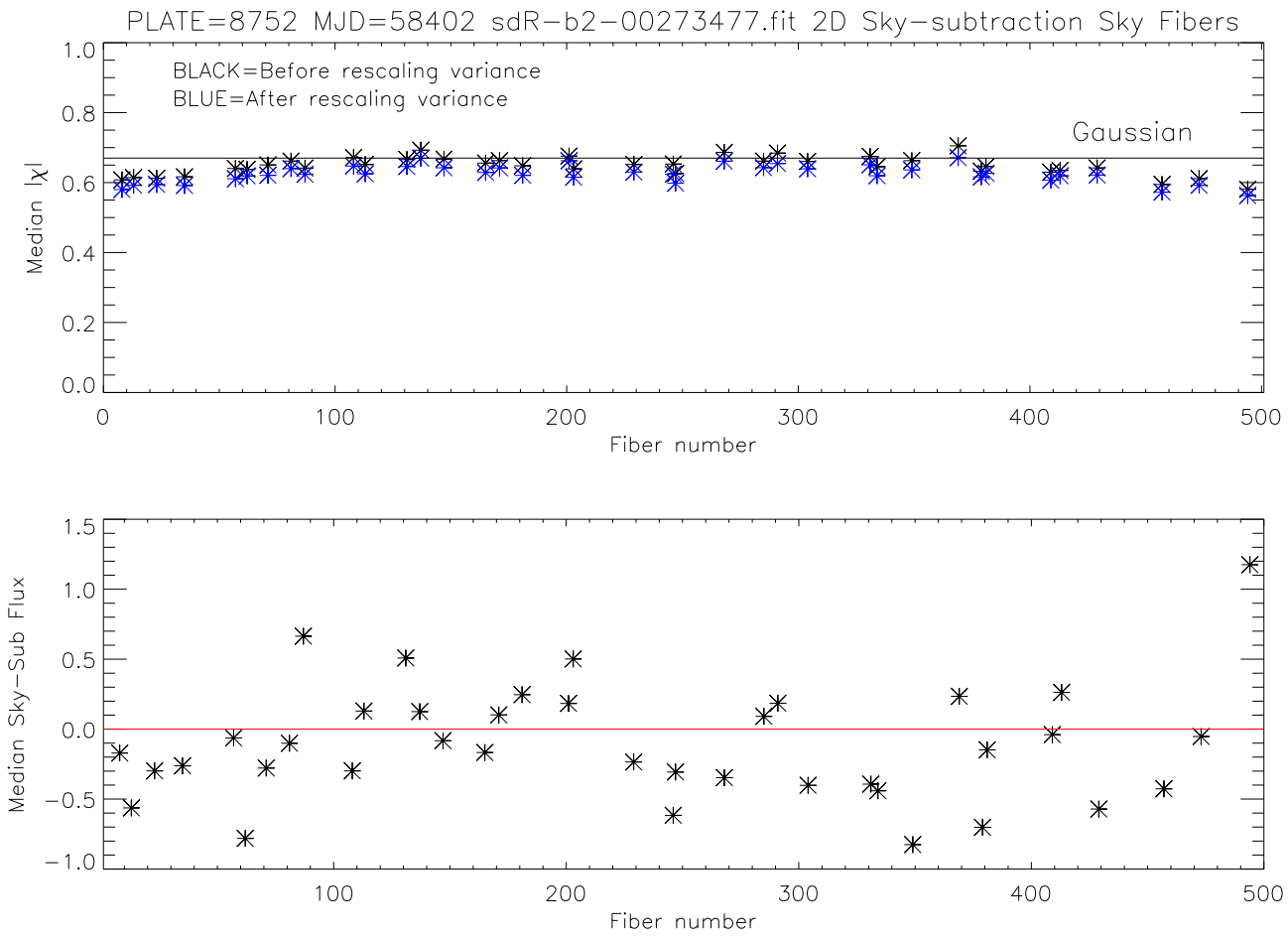

PLATE=8752 MJD=58402 sdR-b2-00273477.fit 1D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

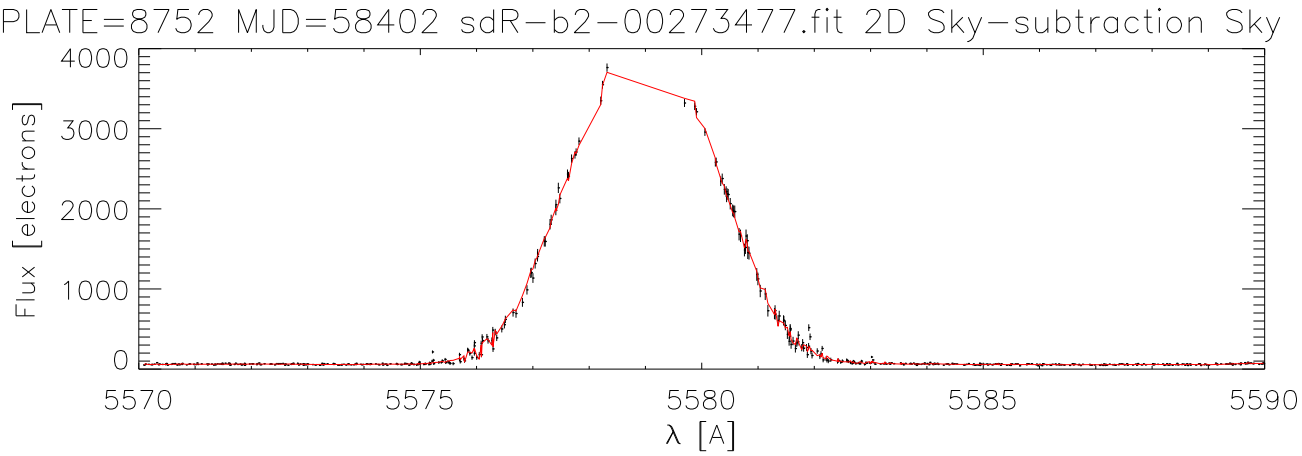

PLATE=8752 MJD=58402 sdR-b2-00273477.fit 1D Sky-subtraction Sky Fibers
Flux [electrons]
4000
3000
2000
1000
0
5570
5575
5580
5585
5590
λ [A]

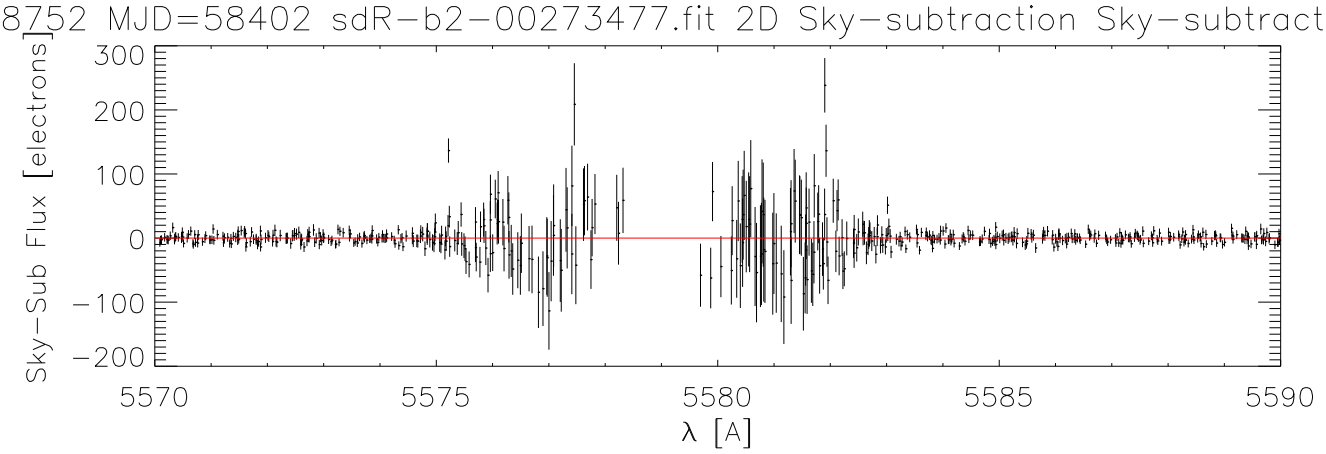

PLATE=8752 MJD=58402 sdR-b2-00273477.fit 1D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
300
200
100
0
-100
-200
-300
5570
5575
5580
5585
5590
λ [A]

Number of sky fibers = 38

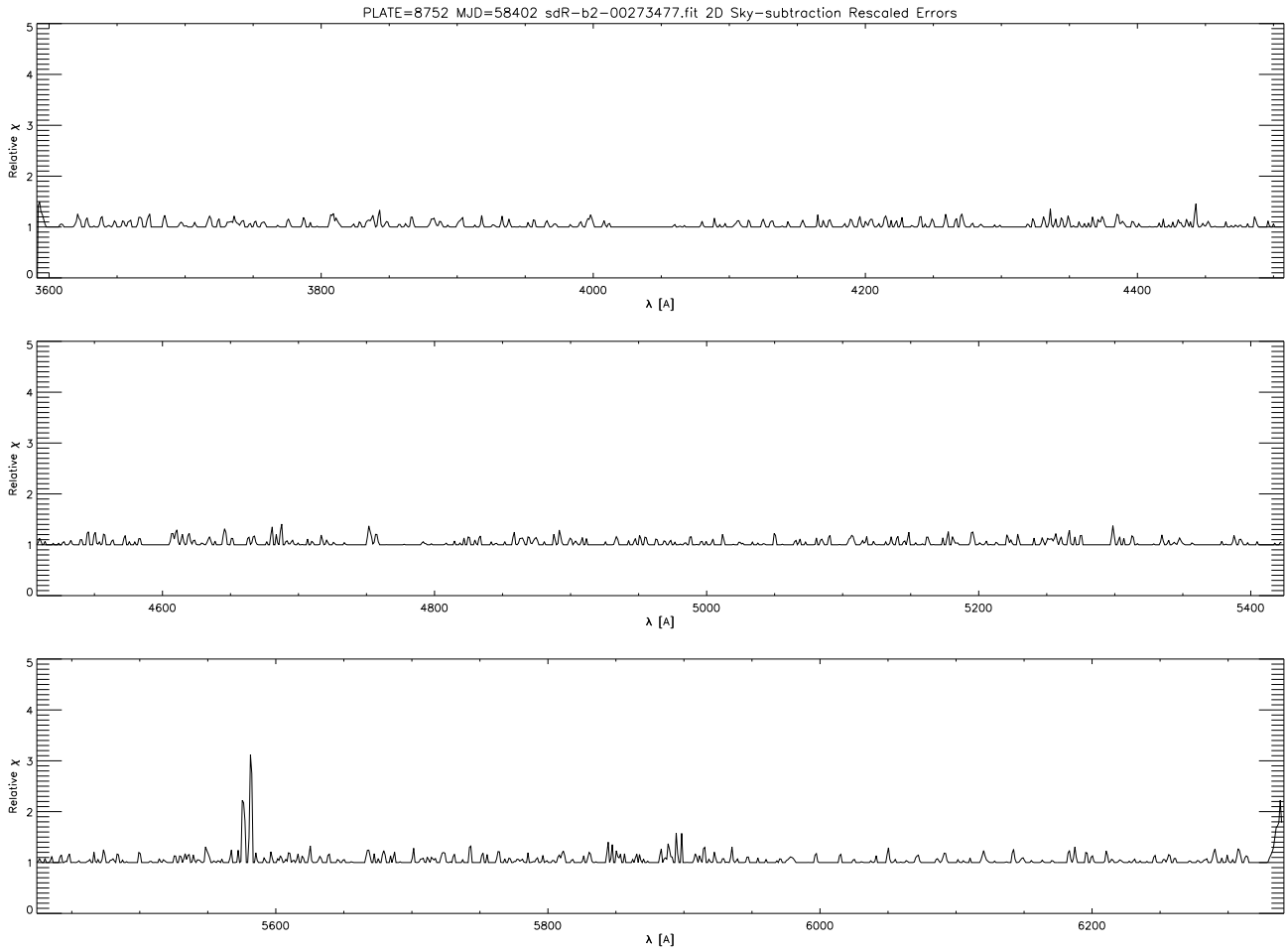


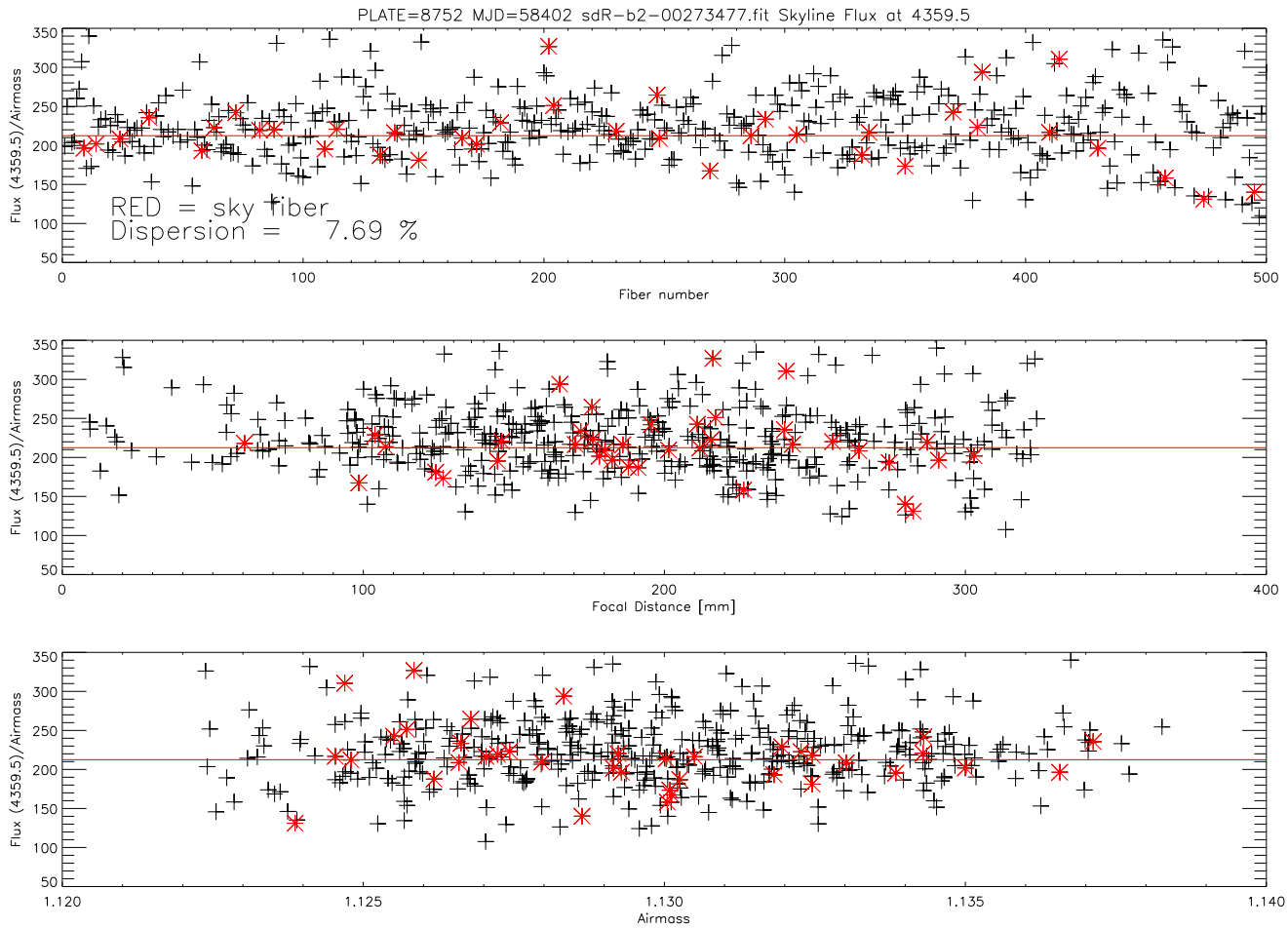

PLATE=8752 MJD=58402 sdR-b2-00273477.fit 2D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

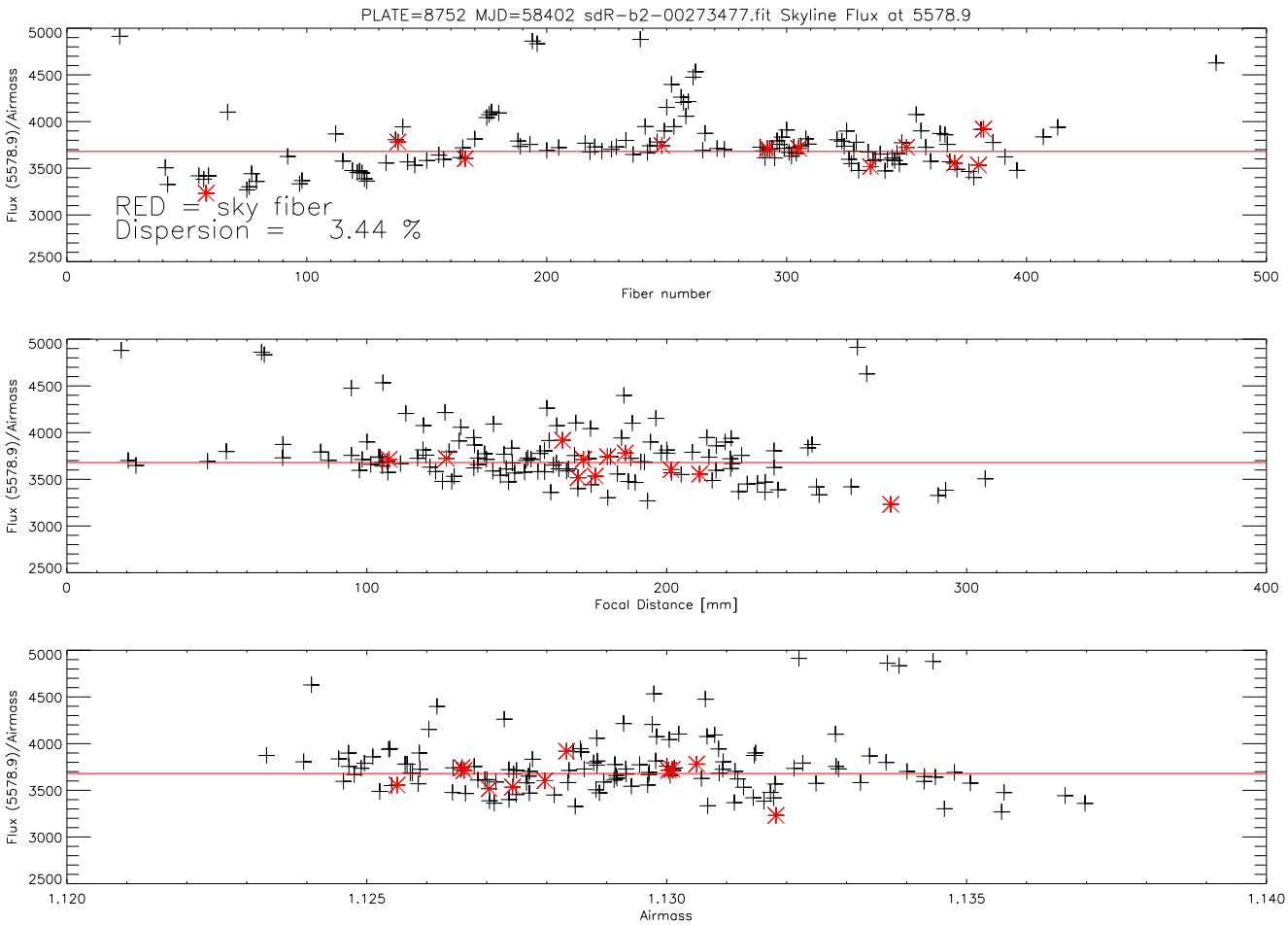

PLATE=8752 MJD=58402 sdR-b2-00273477.fit 2D Sky-subtraction Sky Fibers
Flux [electrons]
4000
3000
2000
1000
0
5570
5575
5580
5585
5590
λ [A]

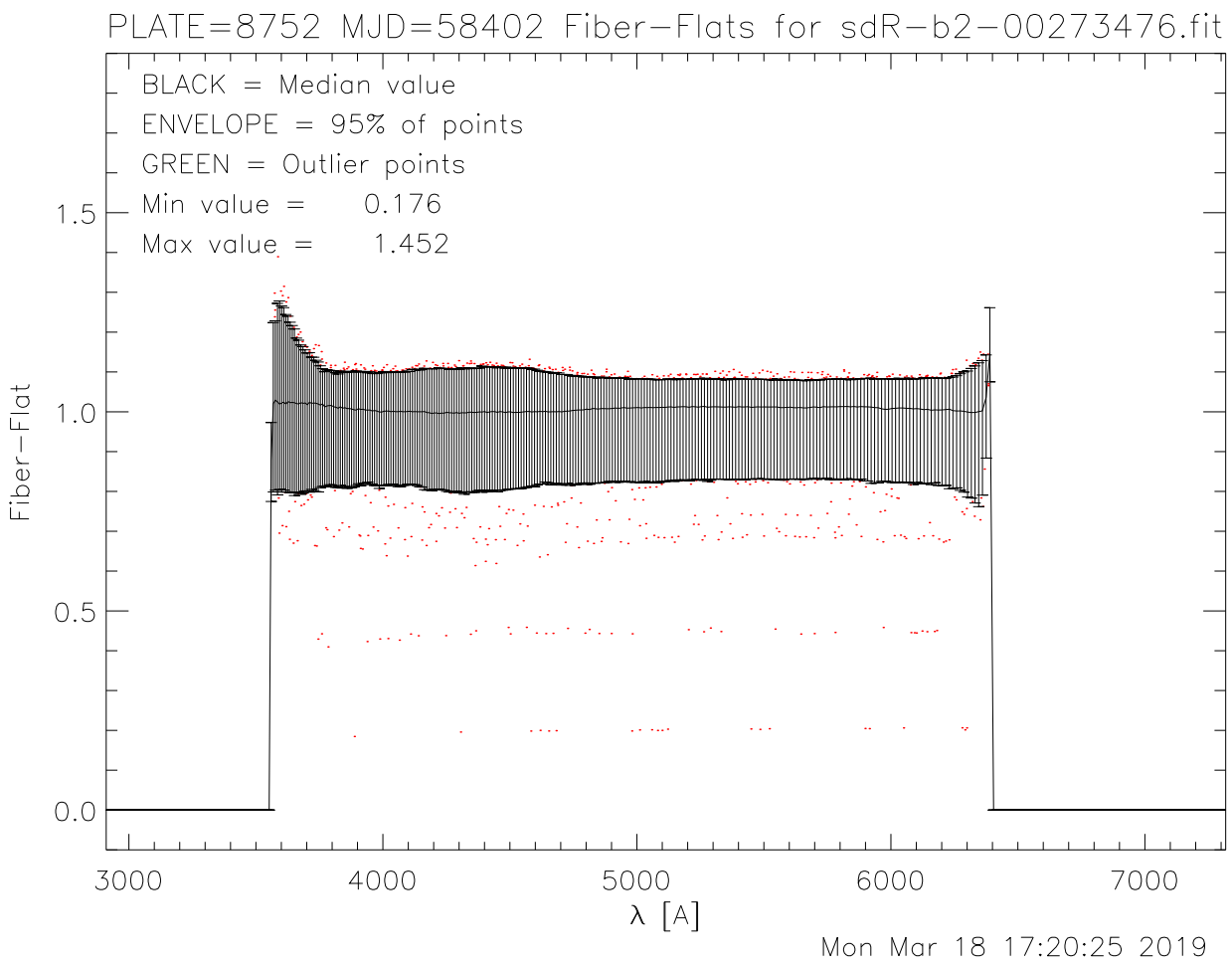

PLATE=8752 MJD=58402 sdR-b2-00273477.fit 2D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
300
200
100
0
-100
-200
5570
5575
5580
5585
5590
λ [A]

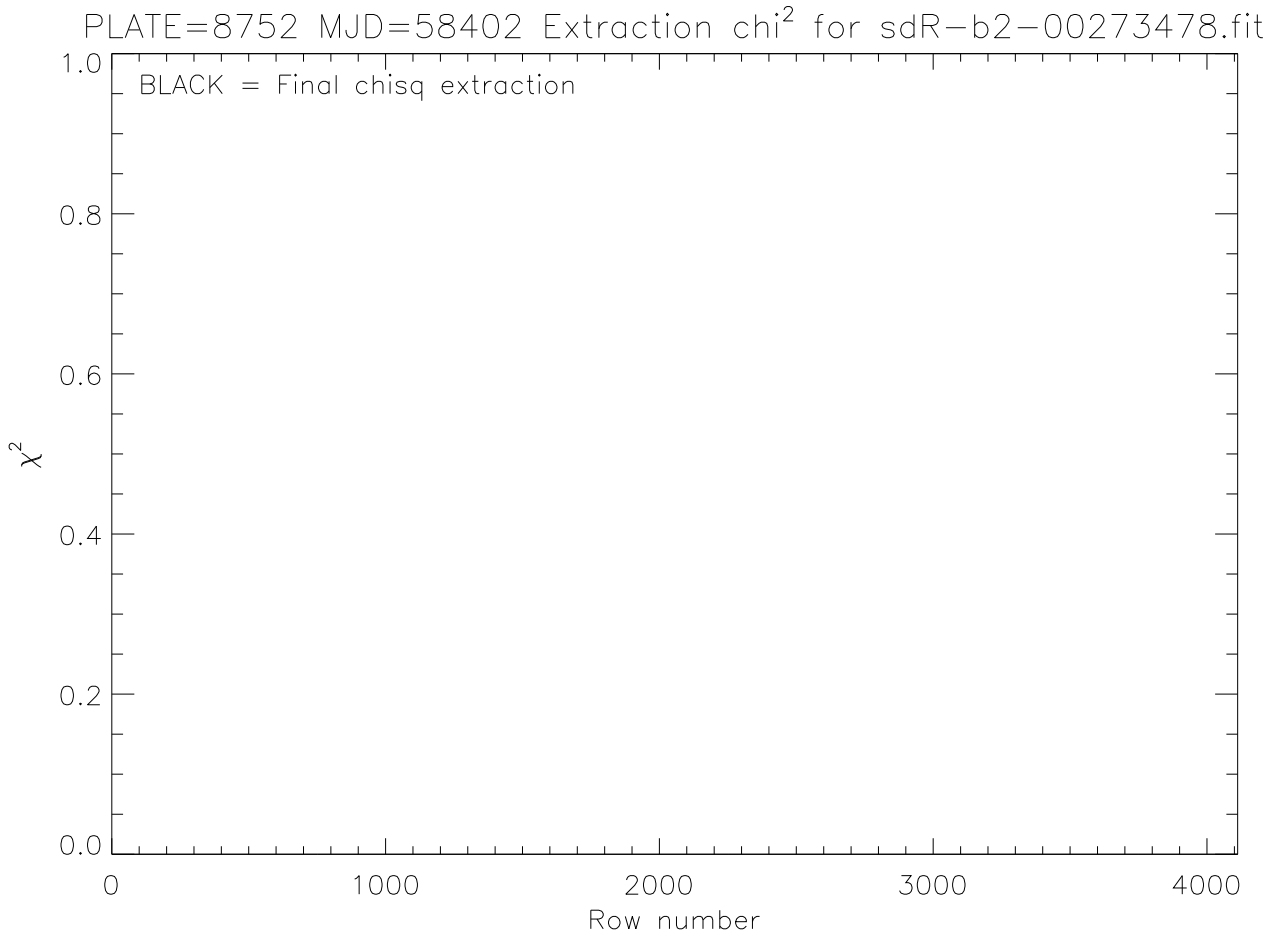
Number of sky fibers = 38

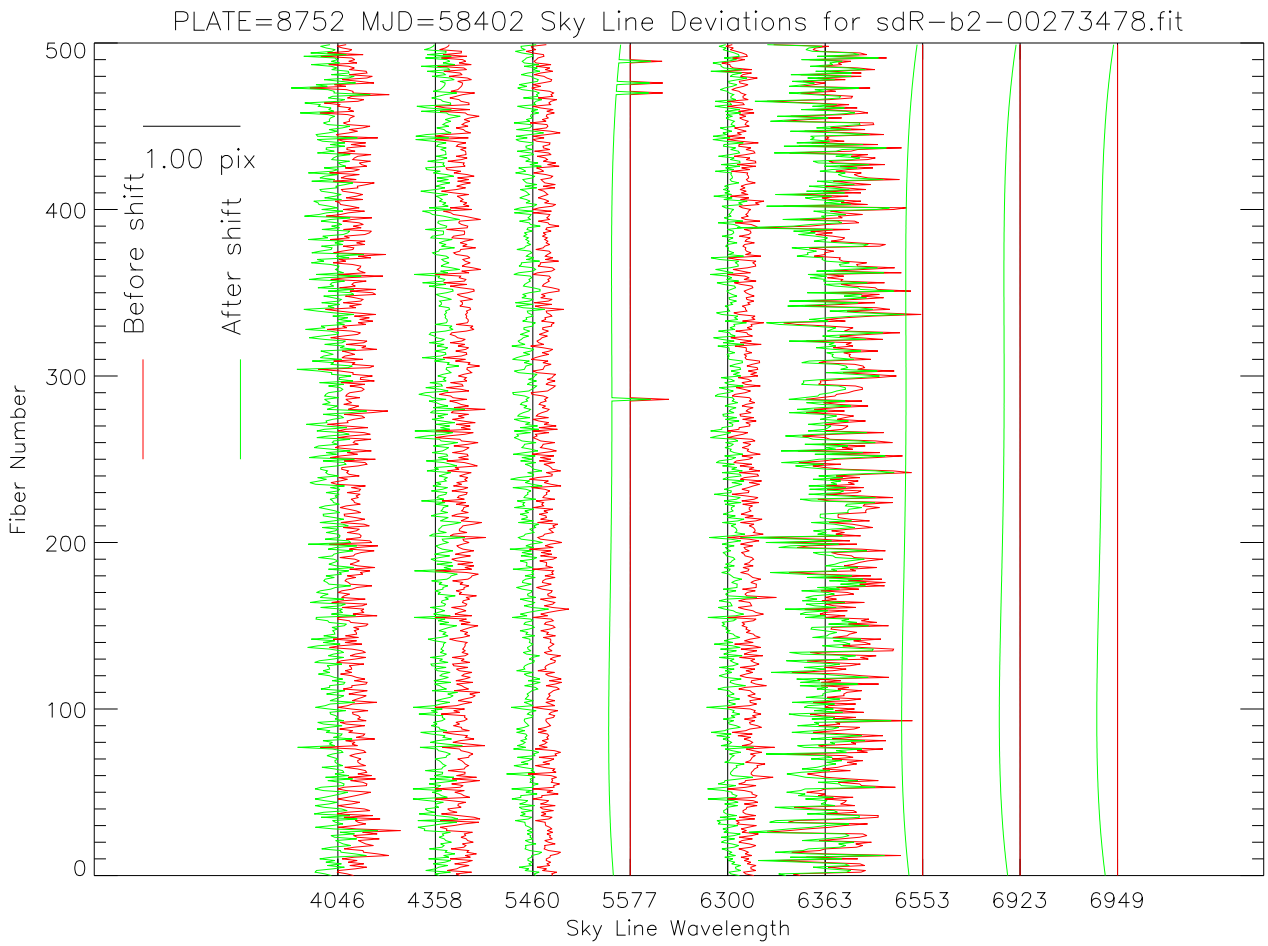


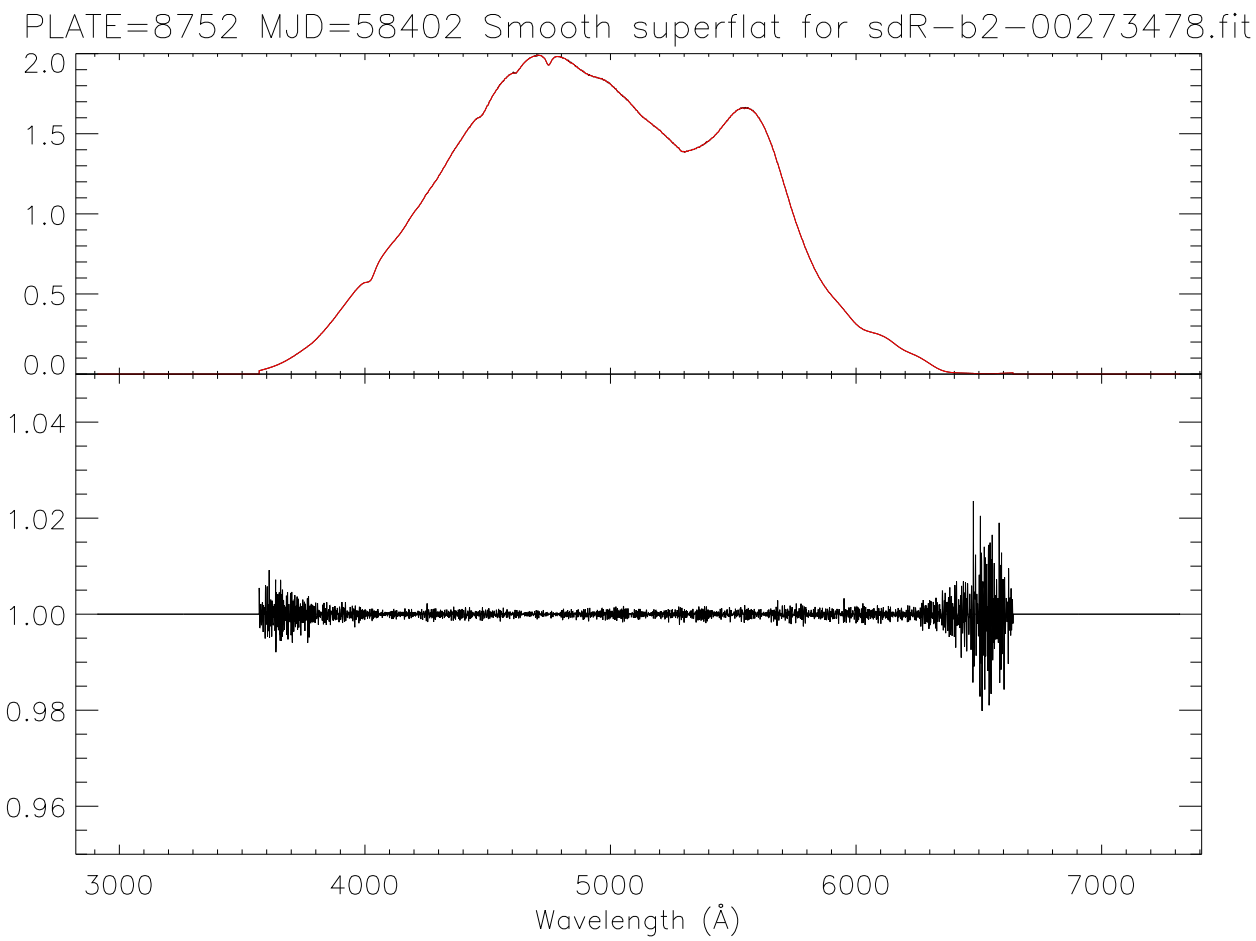

PLATE=8752 MJD=58402 sdR-b2-00273477.fit Skyline Flux at 4359.5
Flux (4359.5)/Airmass
RED = sky fiber
Dispersion = 7.69 %
Fiber number
Flux (4359.5)/Airmass
Focal Distance [mm]
Flux (4359.5)/Airmass
Airmass

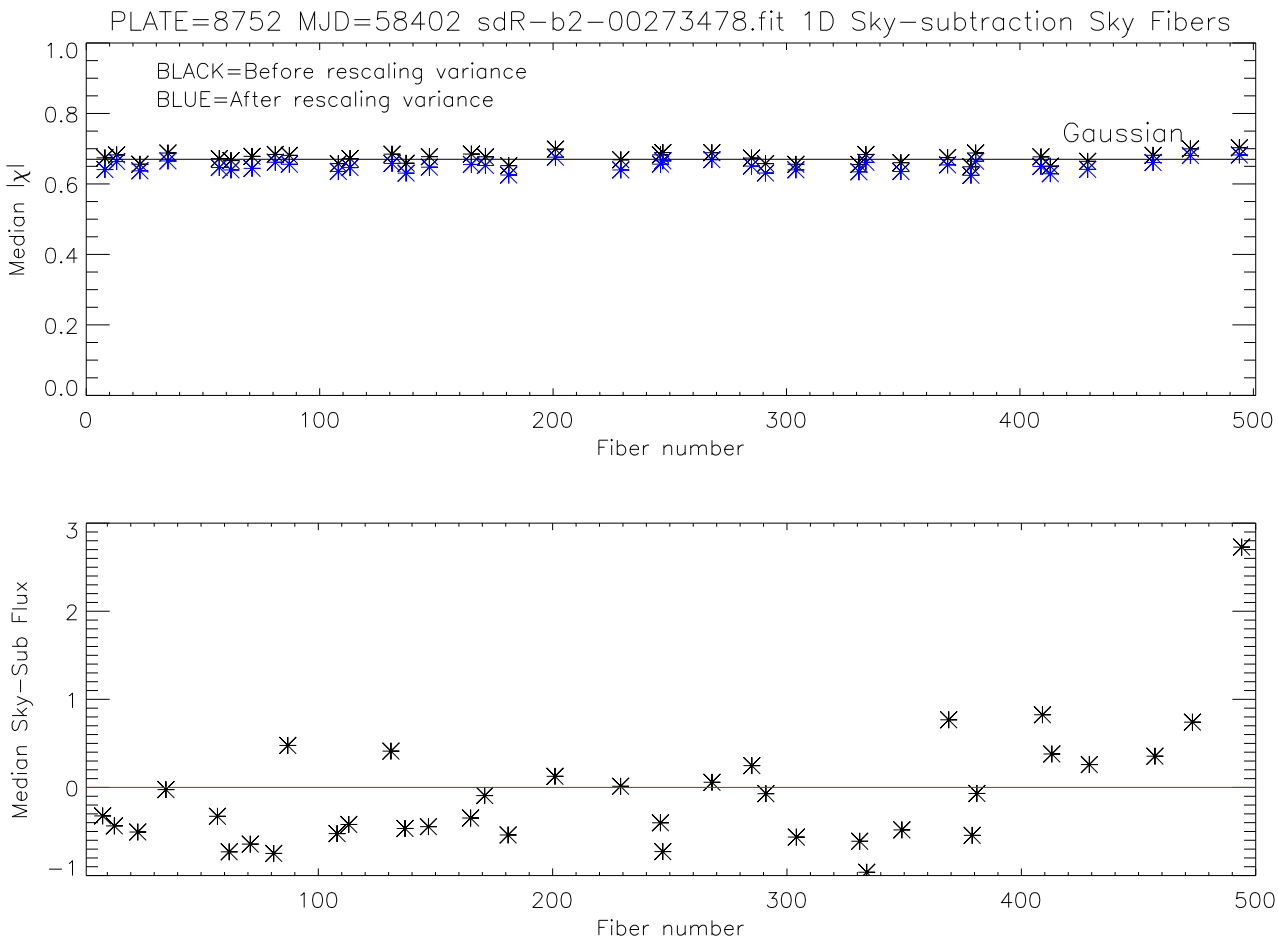

PLATE=8752 MJD=58402 sdR-b2-00273477.fit Skyline Flux at 5578.9
Flux (5578.9)/Airmass
RED = sky fiber
Dispersion = 3.44 %
Fiber number
Flux (5578.9)/Airmass
Focal Distance [mm]
Flux (5578.9)/Airmass
Airmass

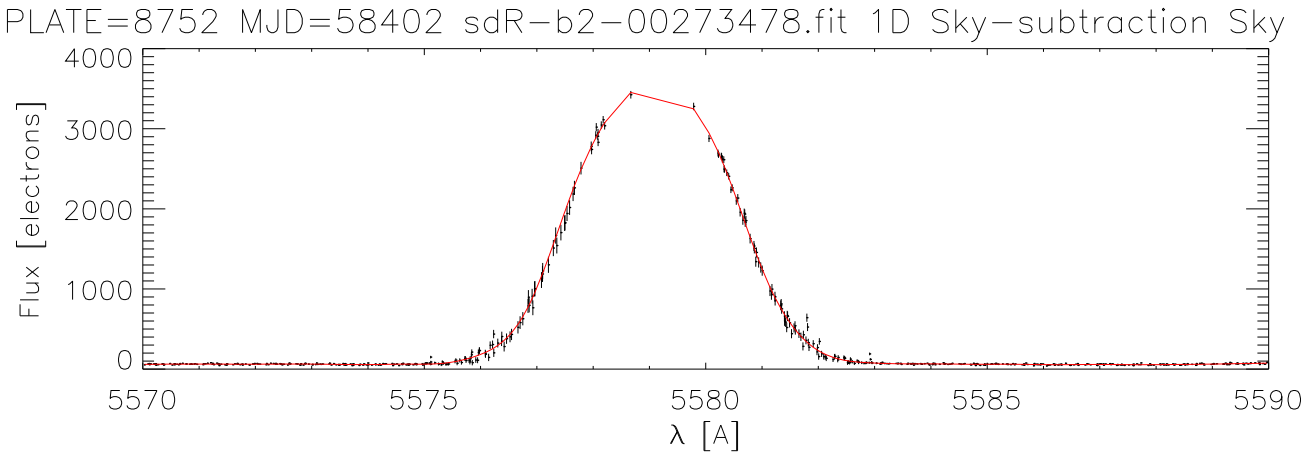

PLATE=8752 MJD=58402 Fiber-Flats for sdR-b2-00273476.fit
BLACK = Median value
ENVELOPE = 95% of points
GREEN = Outlier points
Min value = 0.176
Max value = 1.452
Fiber-Flat
1.5
1.0
0.5
0.0
3000
4000
5000
6000
7000
λ [A]
Mon Mar 18 17:20:25 2019

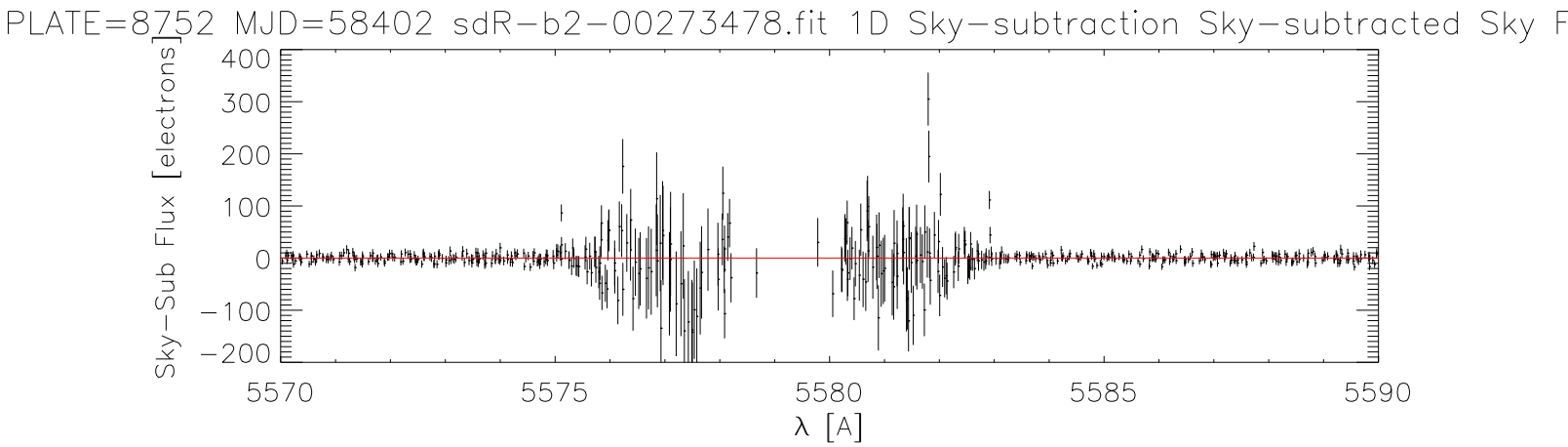

PLATE=8752 MJD=58402 Extraction chi^2 for sdR-b2-00273478.fit
BLACK = Final chisq extraction
1.0
0.8
0.6
0.4
0.2
0.0
χ^2
0
1000
2000
3000
4000
Row number


PLATE=8752 MJD=58402 Sky Line Deviations for sdR-b2-00273478.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

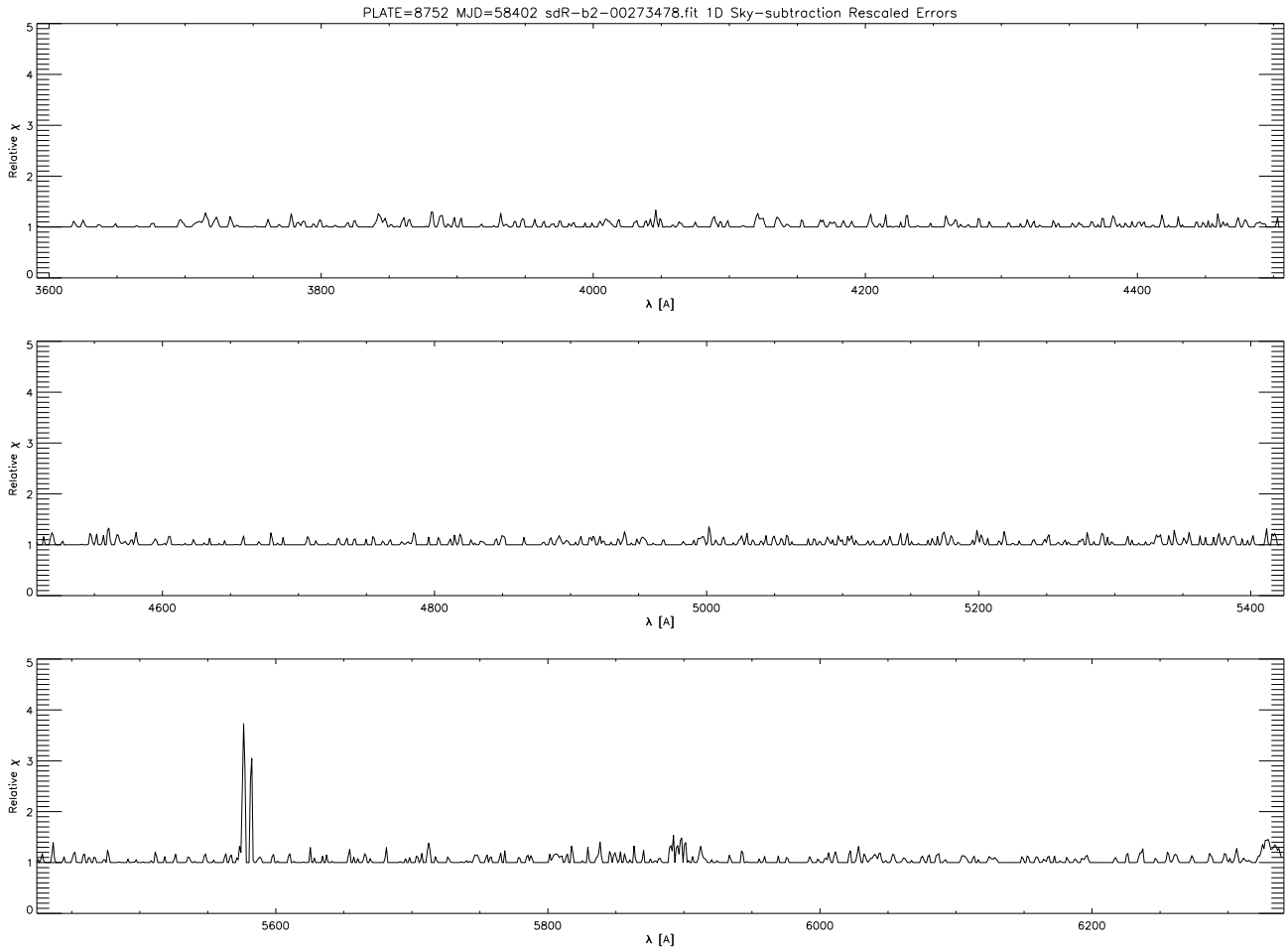

PLATE=8752 MJD=58402 Smooth superflat for sdR-b2-00273478.fit
2.0
1.5
1.0
0.5
0.0
1.04
1.02
1.00
0.98
0.96
3000
4000
5000
6000
7000
Wavelength (Å)

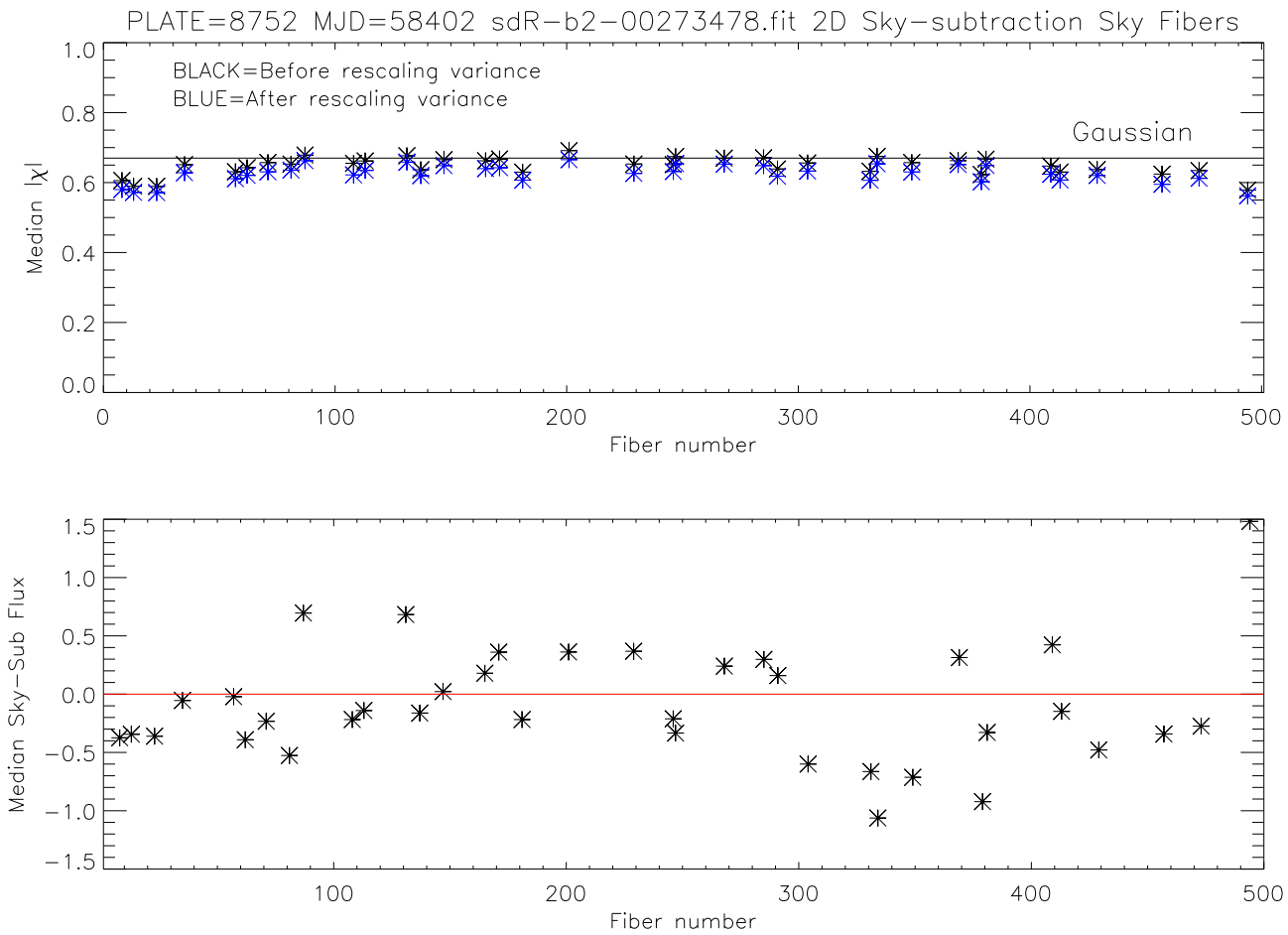

PLATE=8752 MJD=58402 sdR-b2-00273478.fit 1D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

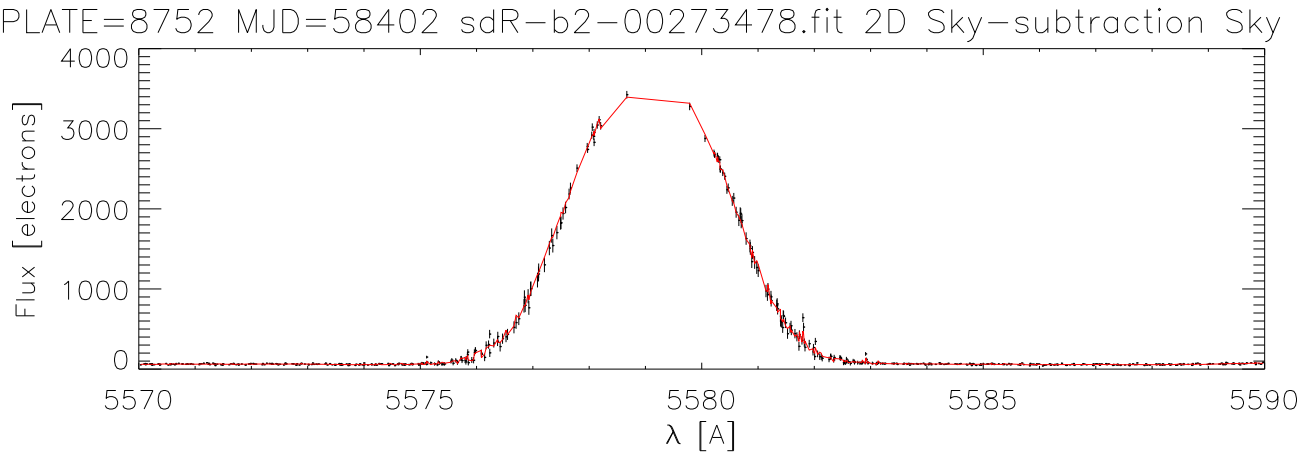

PLATE=8752 MJD=58402 sdR-b2-00273478.fit 1D Sky-subtraction Sky Fibers
Flux [electrons]
4000
3000
2000
1000
0
5570
5575
5580
5585
5590
λ [A]

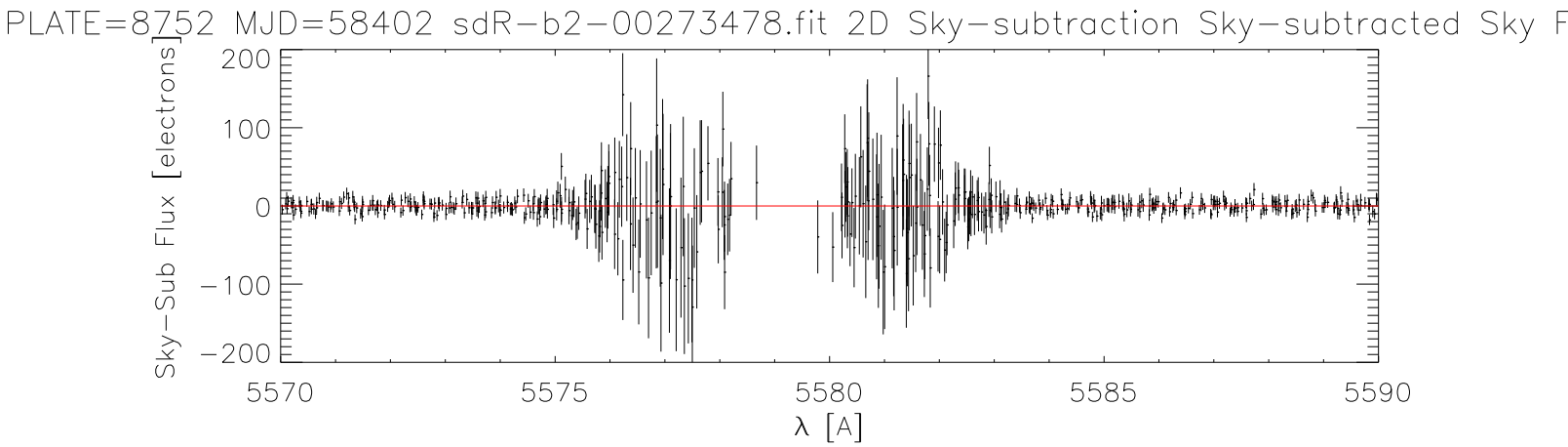

PLATE=8752 MJD=58402 sdR-b2-00273478.fit 1D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
400
300
200
100
0
-100
-200
5570
5575
5580
5585
5590
λ [A]

Number of sky fibers = 37

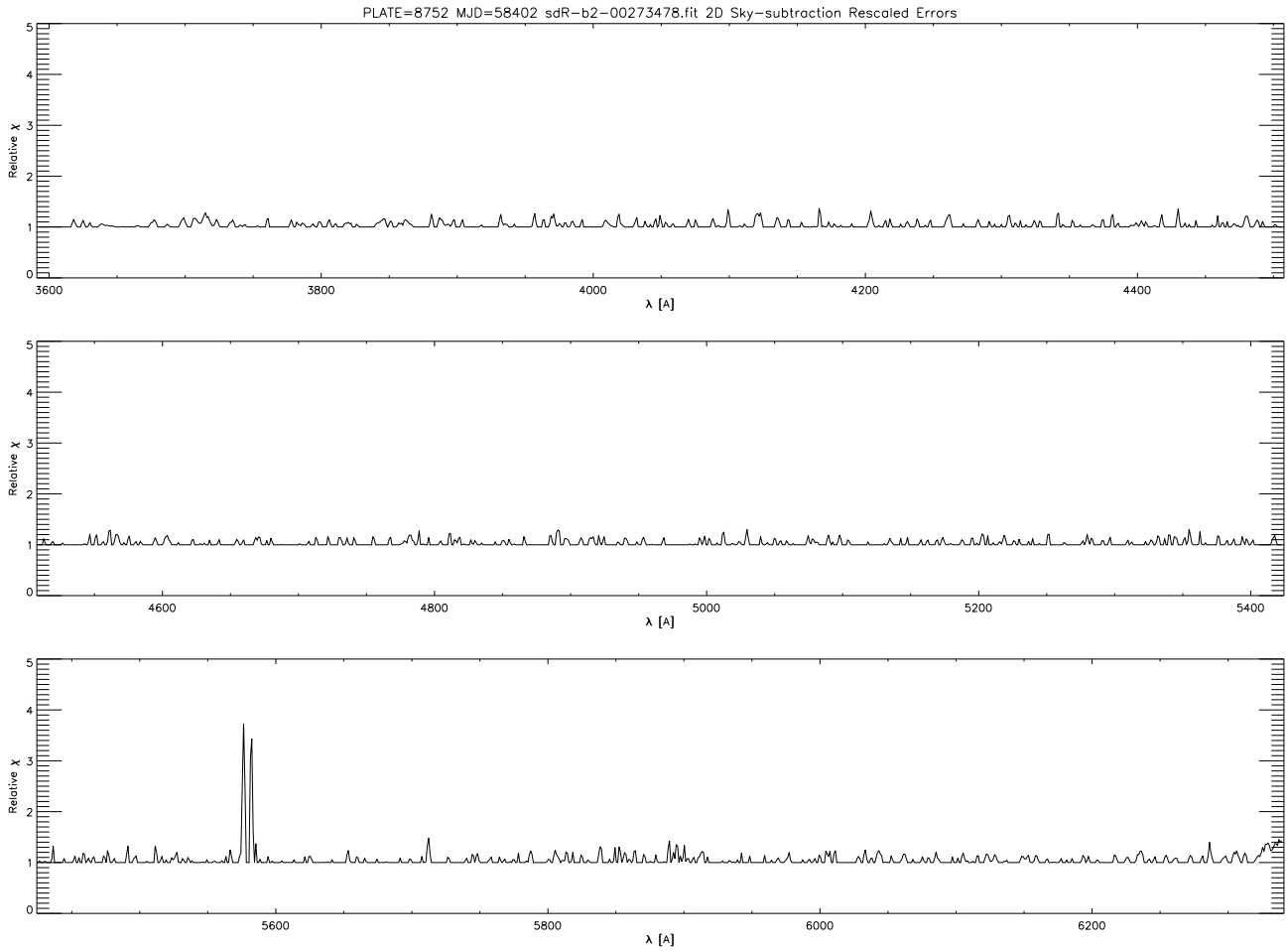


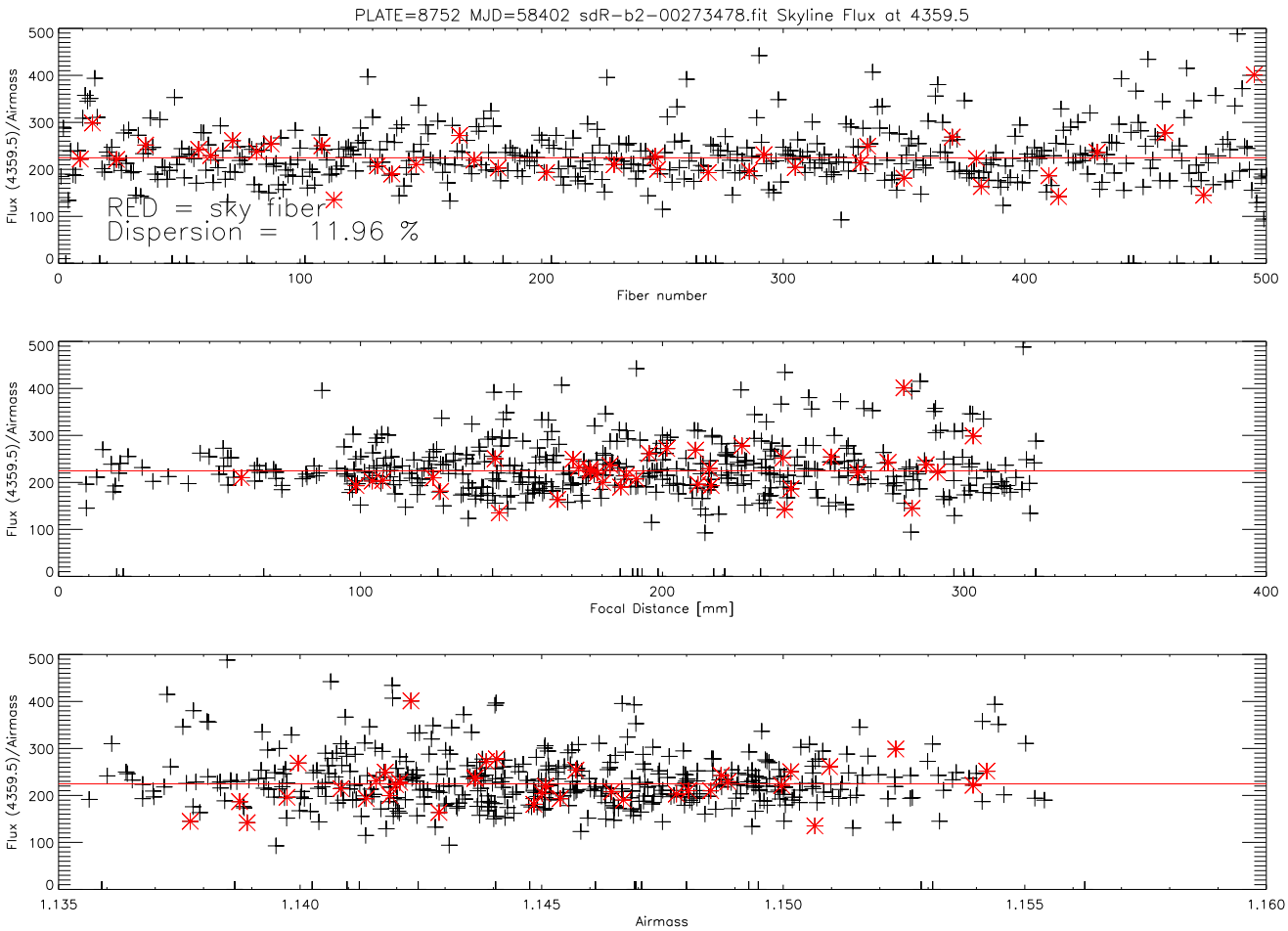

PLATE=8752 MJD=58402 sdR-b2-00273478.fit 2D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

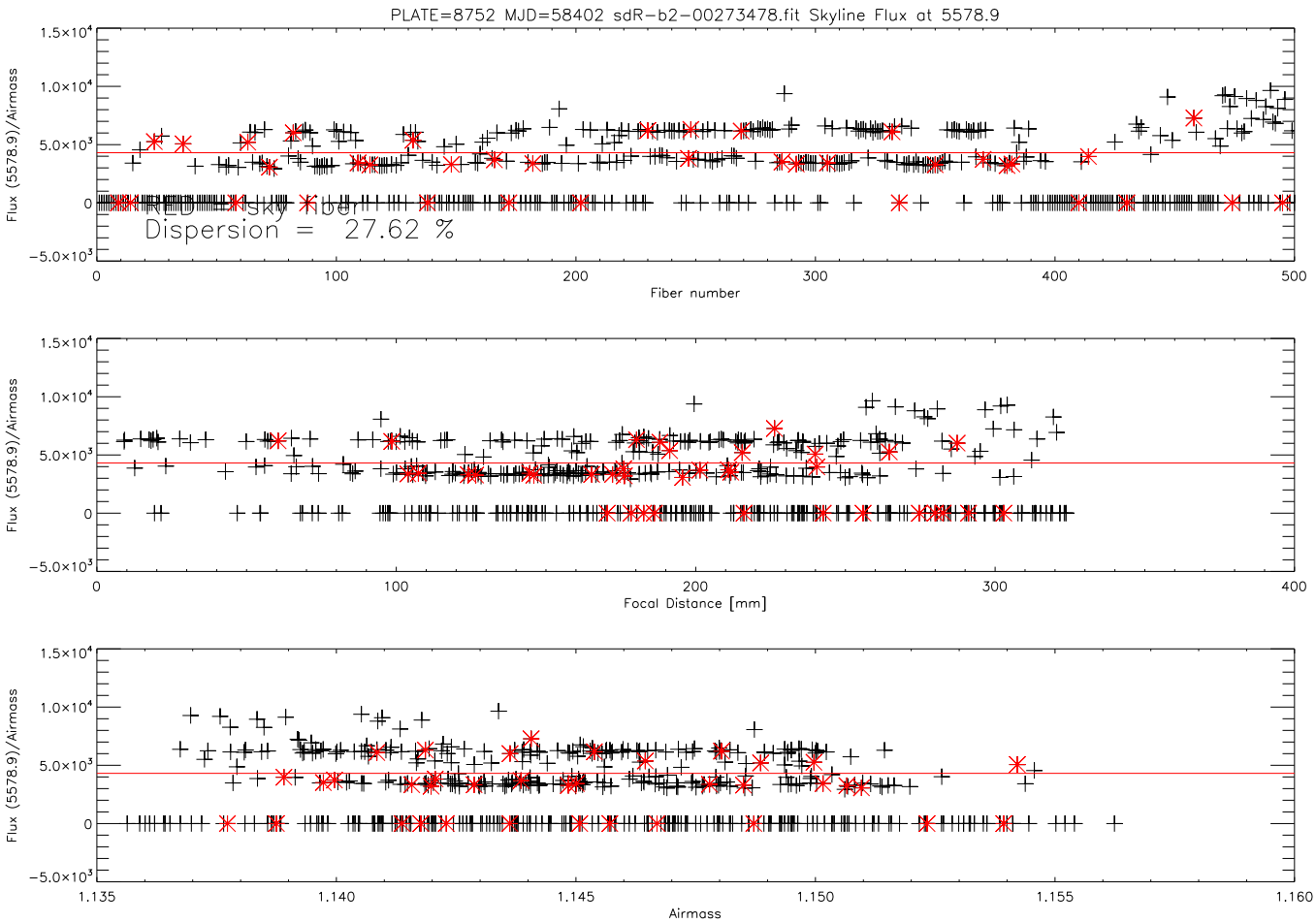

PLATE=8752 MJD=58402 sdR-b2-00273478.fit 2D Sky-subtraction Sky Fibers
Flux [electrons]
4000
3000
2000
1000
0
5570
5575
5580
5585
5590
λ [A]

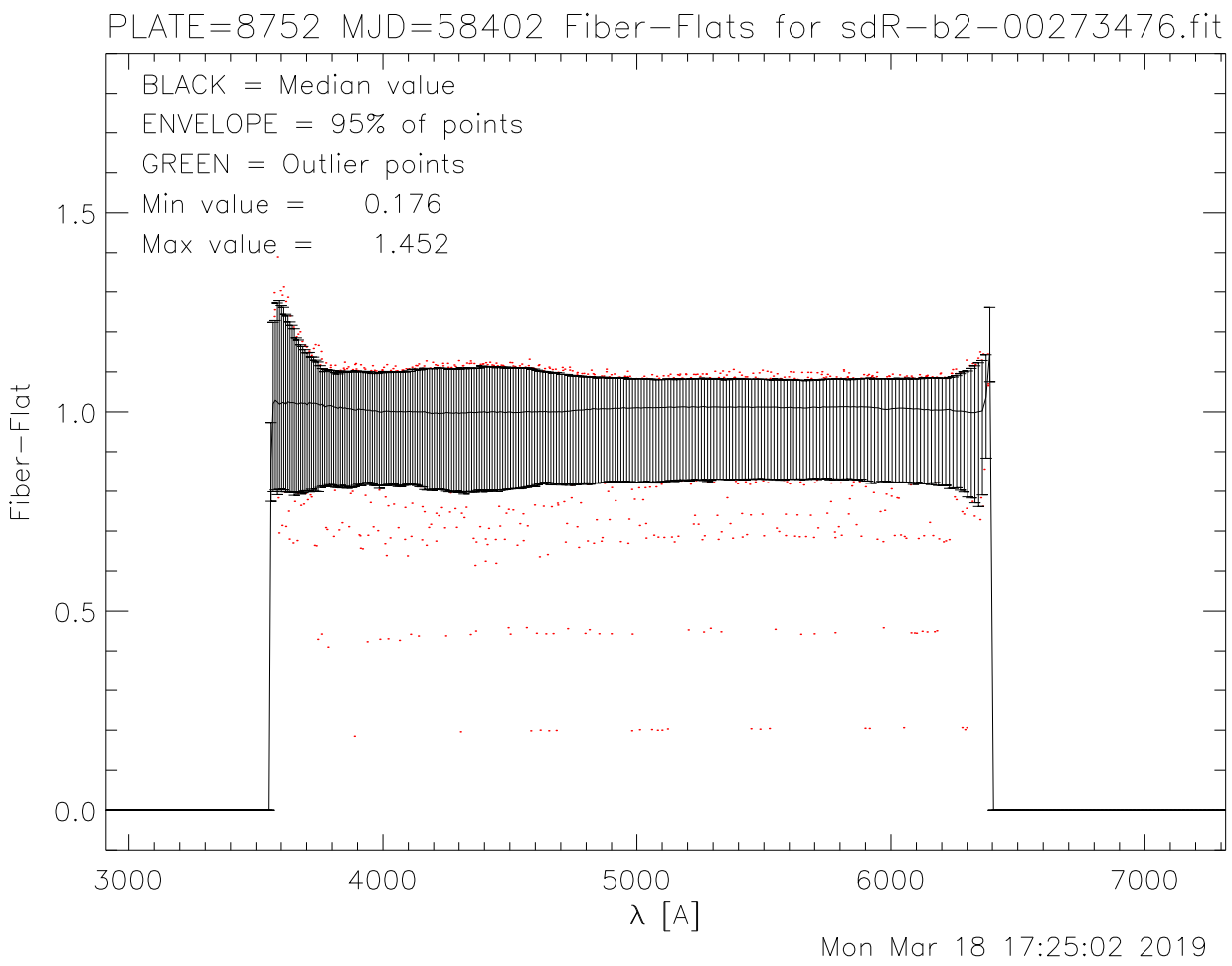

PLATE=8752 MJD=58402 sdR-b2-00273478.fit 2D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
200
100
0
-100
-200
5570
5575
5580
5585
5590
λ [A]

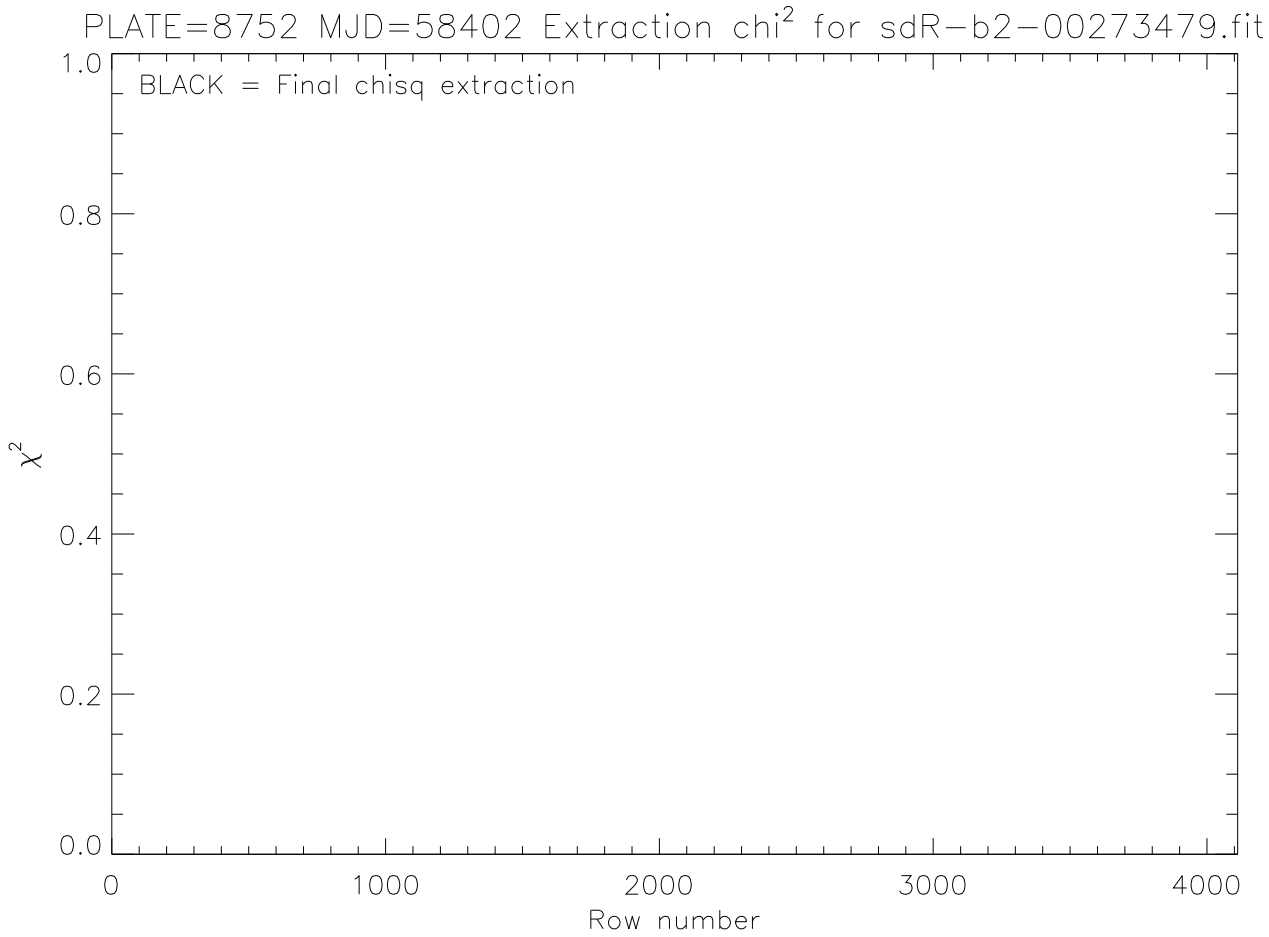
Number of sky fibers = 37

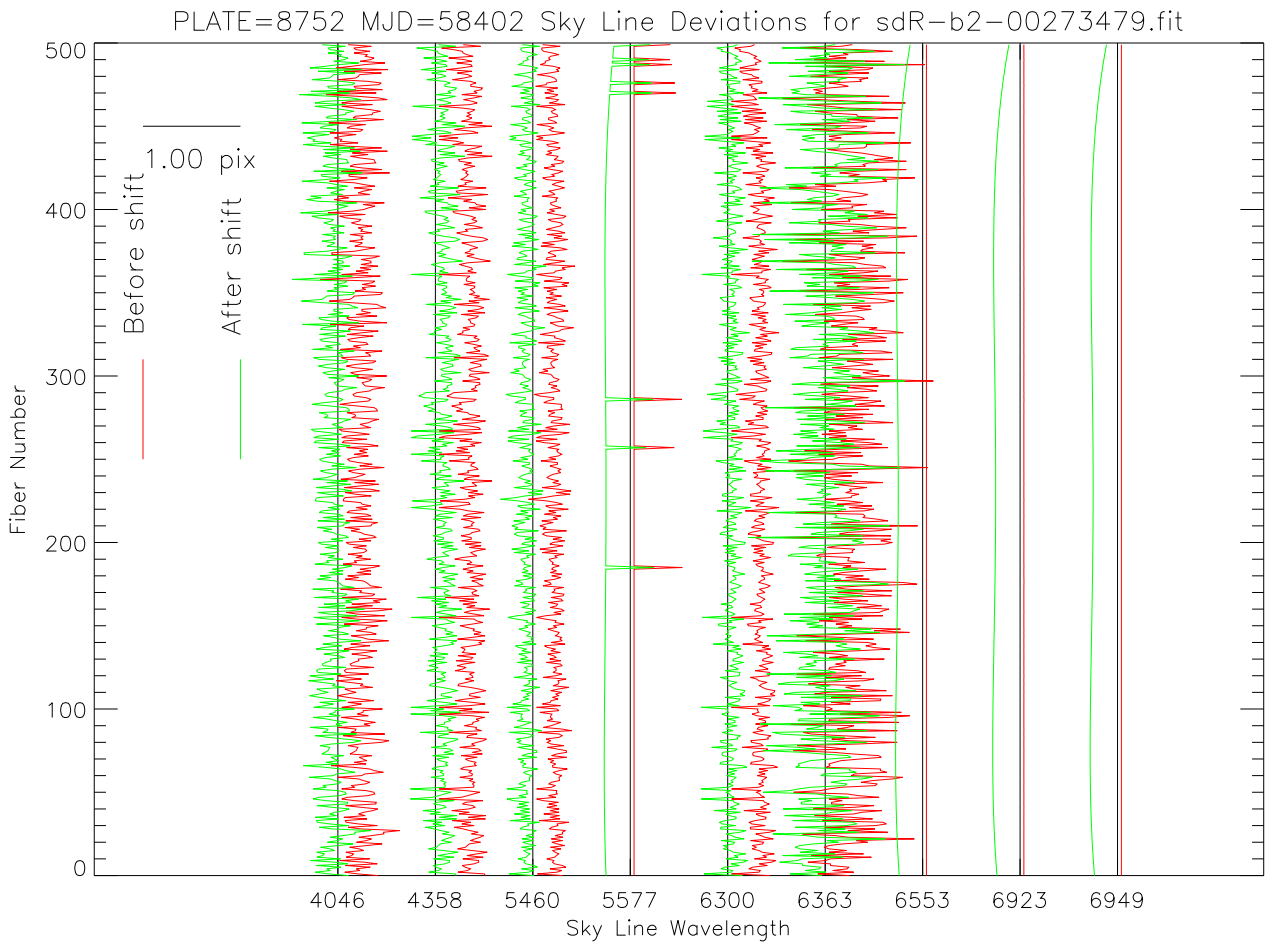


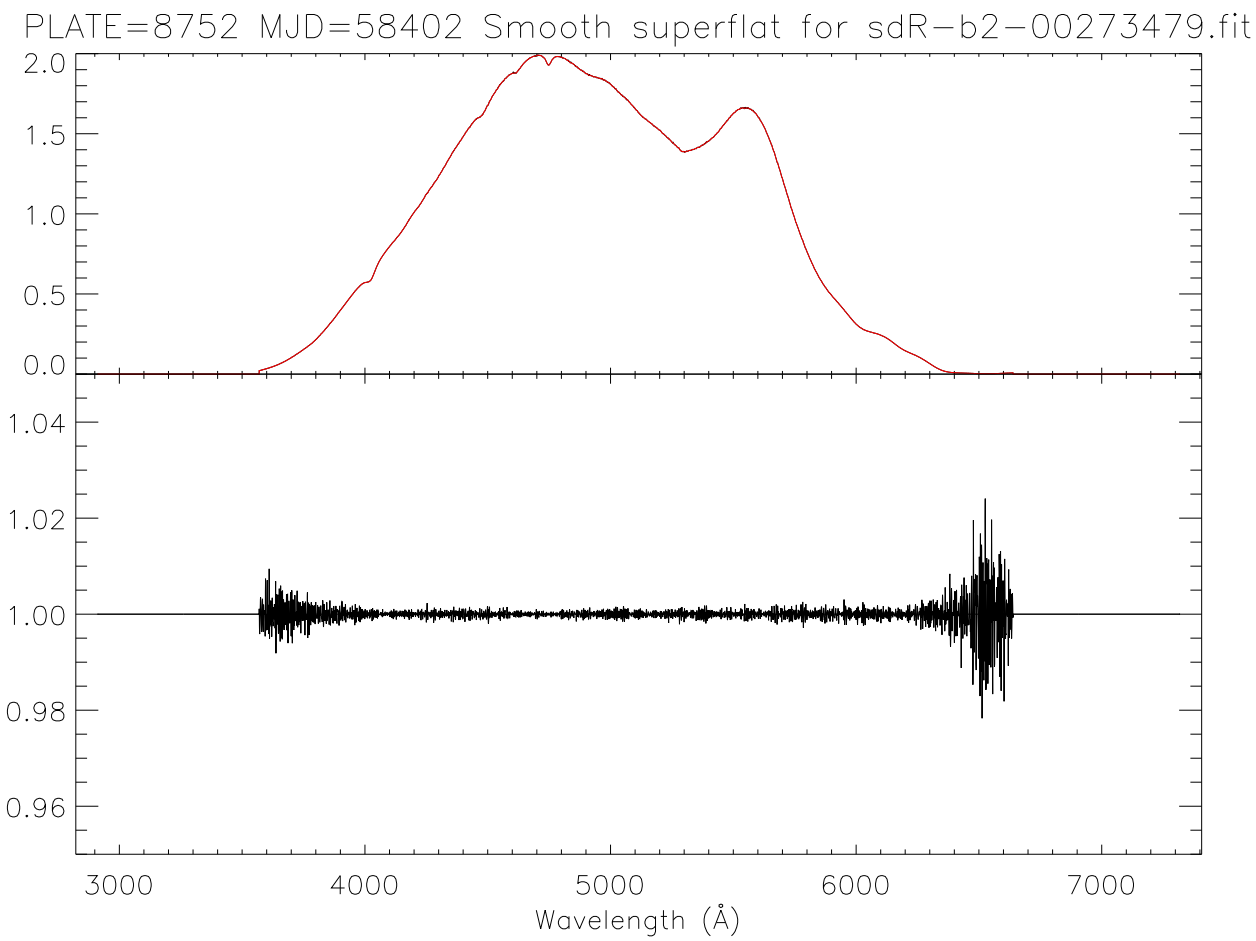

PLATE=8752 MJD=58402 sdR-b2-00273478.fit Skyline Flux at 4359.5
Flux (4359.5)/Airmass
RED = sky fiber
Dispersion = 11.96 %
Fiber number
Flux (4359.5)/Airmass
Focal Distance [mm]
Flux (4359.5)/Airmass
Airmass

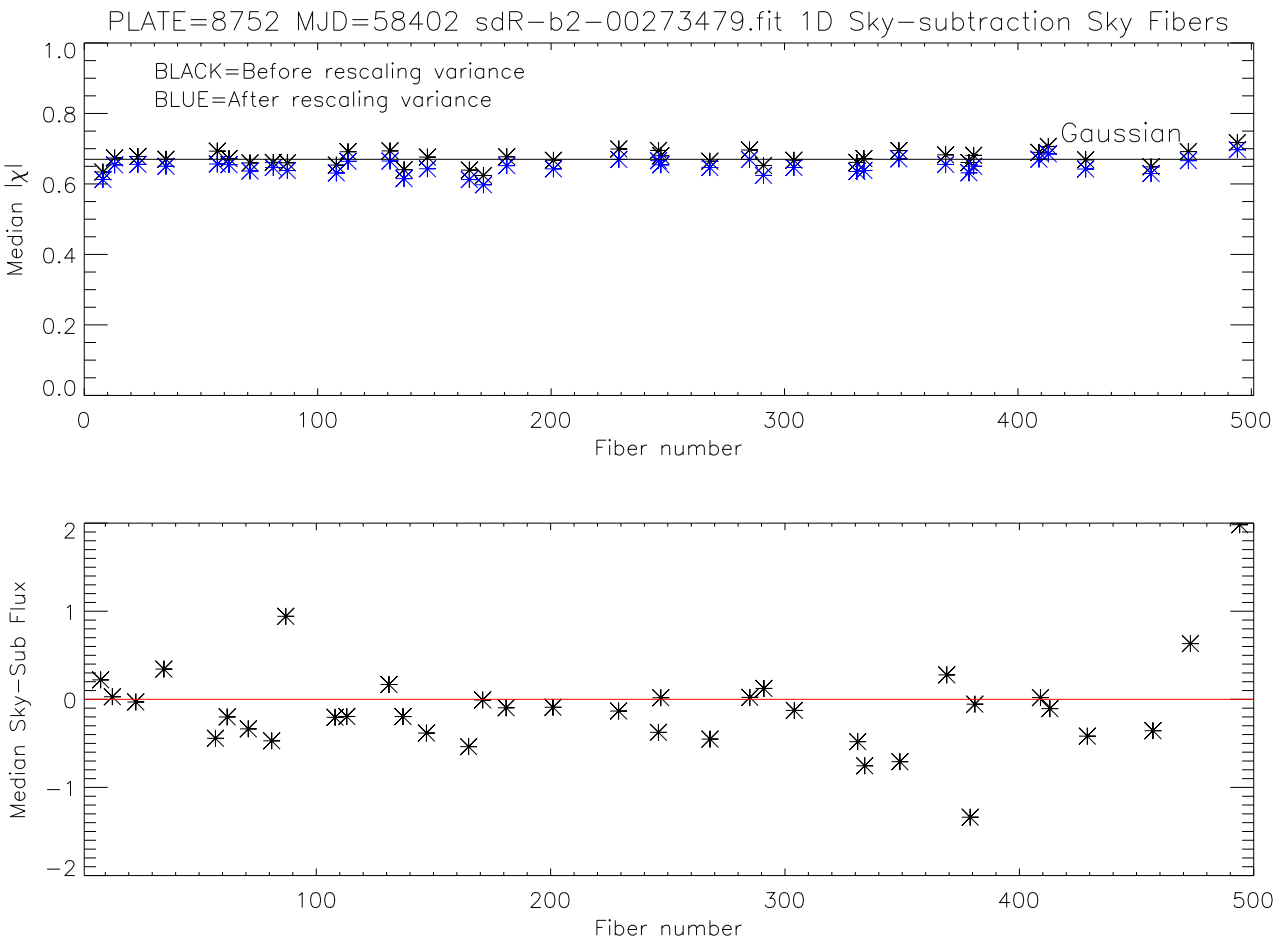

PLATE=8752 MJD=58402 sdR-b2-00273478.fit Skyline Flux at 5578.9
Flux (5578.9)/Airmass
Fiber number
Dispersion = 27.62 %
Flux (5578.9)/Airmass
Focal Distance [mm]
Flux (5578.9)/Airmass
Airmass

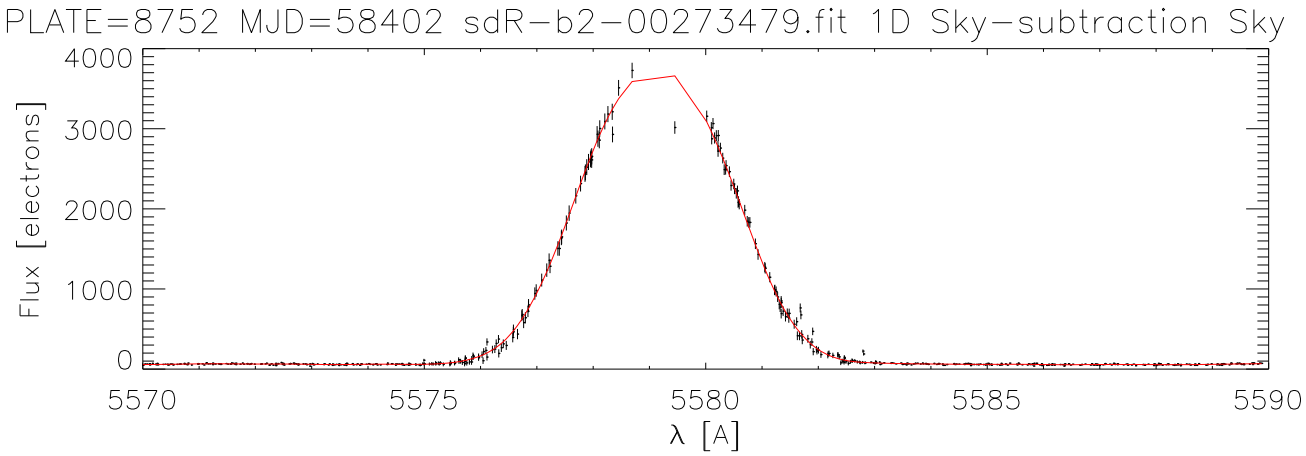

PLATE=8752 MJD=58402 Fiber-Flats for sdR-b2-00273476.fit
BLACK = Median value
ENVELOPE = 95% of points
GREEN = Outlier points
Min value = 0.176
Max value = 1.452
Fiber-Flat
1.5
1.0
0.5
0.0
3000
4000
5000
6000
7000
λ [A]
Mon Mar 18 17:25:02 2019

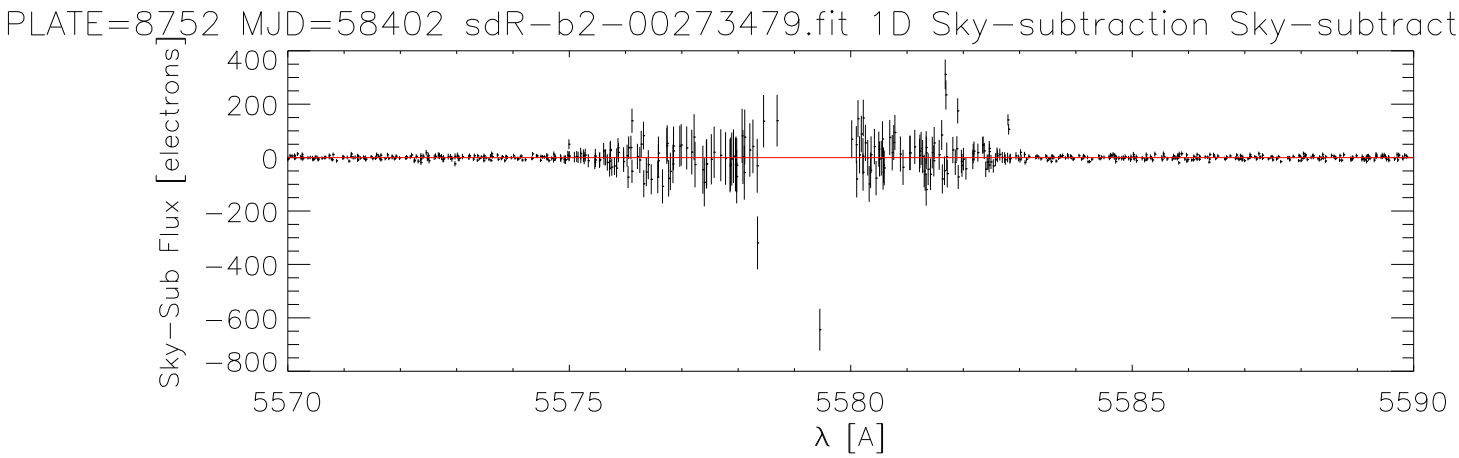

PLATE=8752 MJD=58402 Extraction chi^2 for sdR-b2-00273479.fit
BLACK = Final chisq extraction
χ^2
1.0
0.8
0.6
0.4
0.2
0.0
0
1000
2000
3000
4000
Row number


PLATE=8752 MJD=58402 Sky Line Deviations for sdR-b2-00273479.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

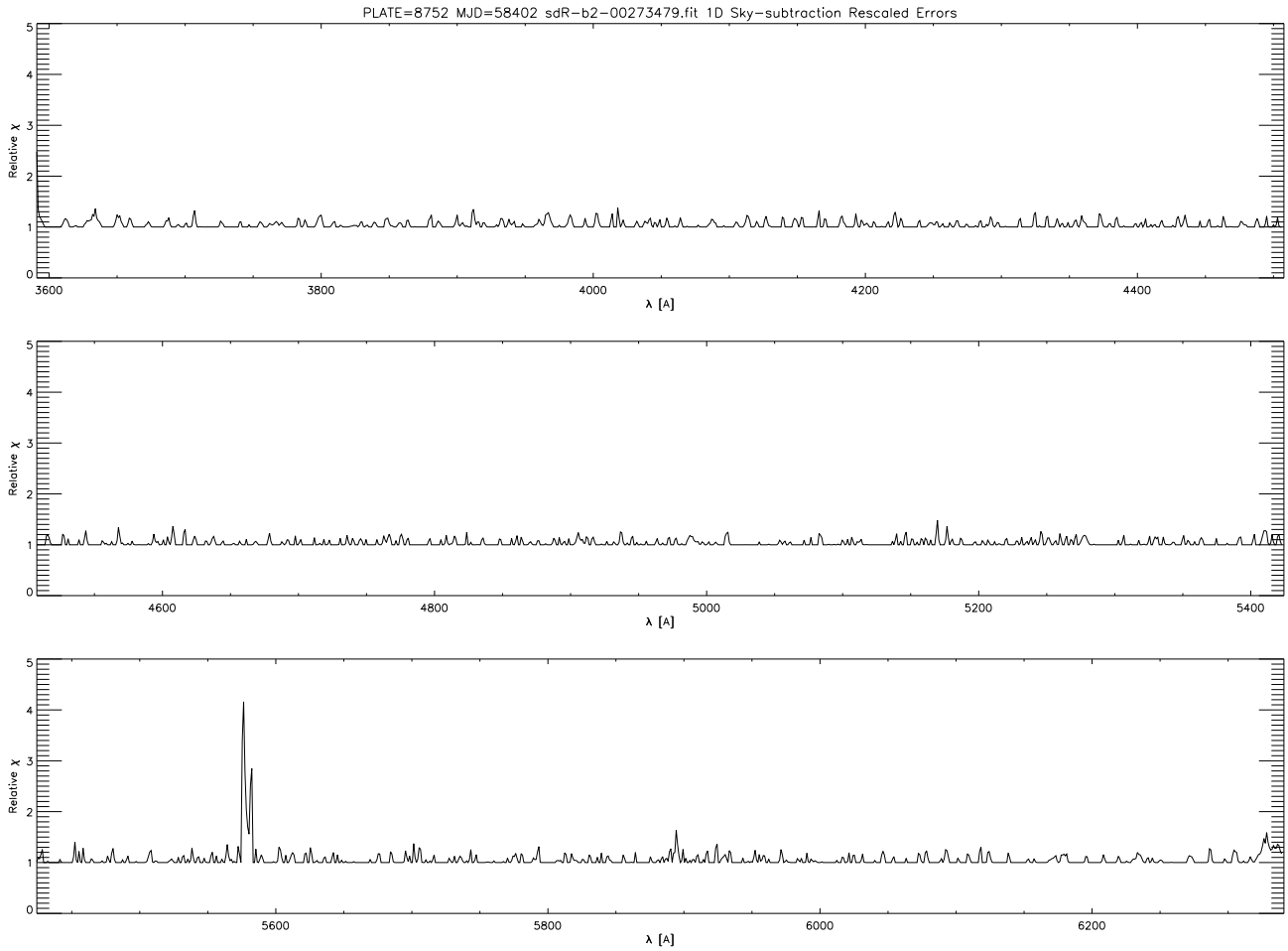

PLATE=8752 MJD=58402 Smooth superflat for sdR-b2-00273479.fit
2.0
1.5
1.0
0.5
0.0
1.04
1.02
1.00
0.98
0.96
3000
4000
5000
6000
7000
Wavelength (Å)

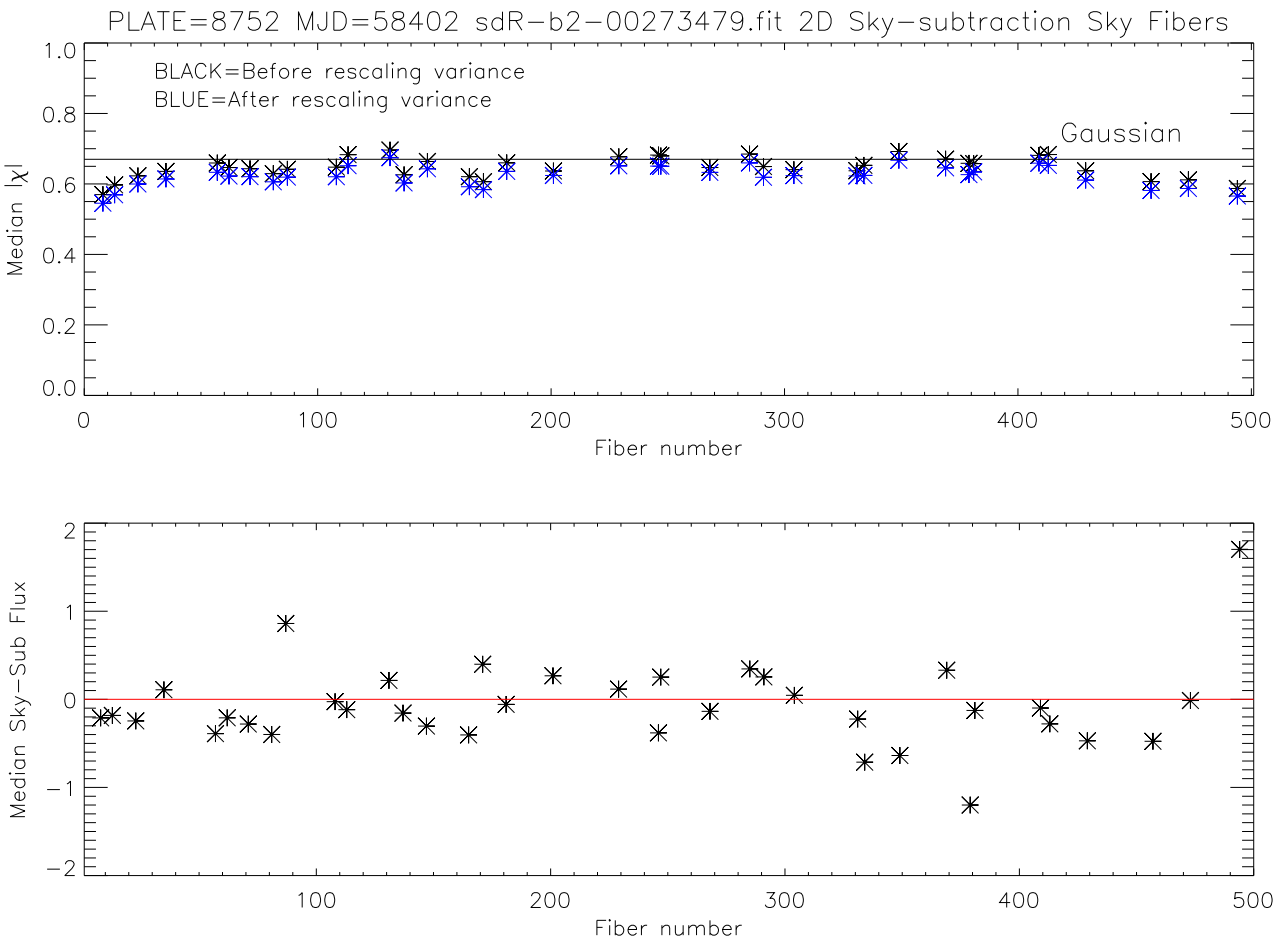

PLATE=8752 MJD=58402 sdR-b2-00273479.fit 1D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

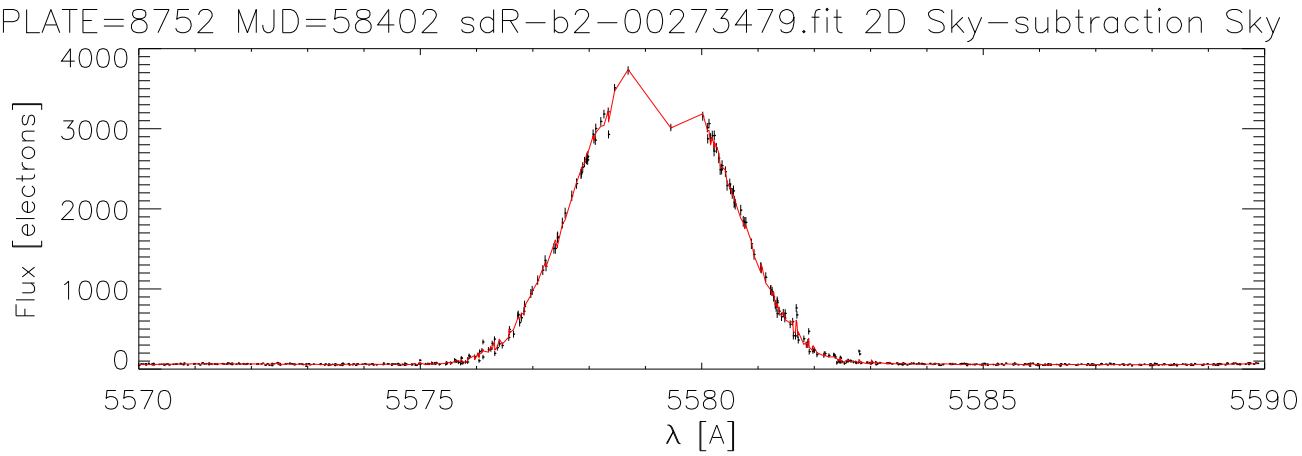

PLATE=8752 MJD=58402 sdR-b2-00273479.fit 1D Sky-subtraction Sky Fibers
Flux [electrons]
4000
3000
2000
1000
0
5570
5575
5580
5585
5590
λ [A]

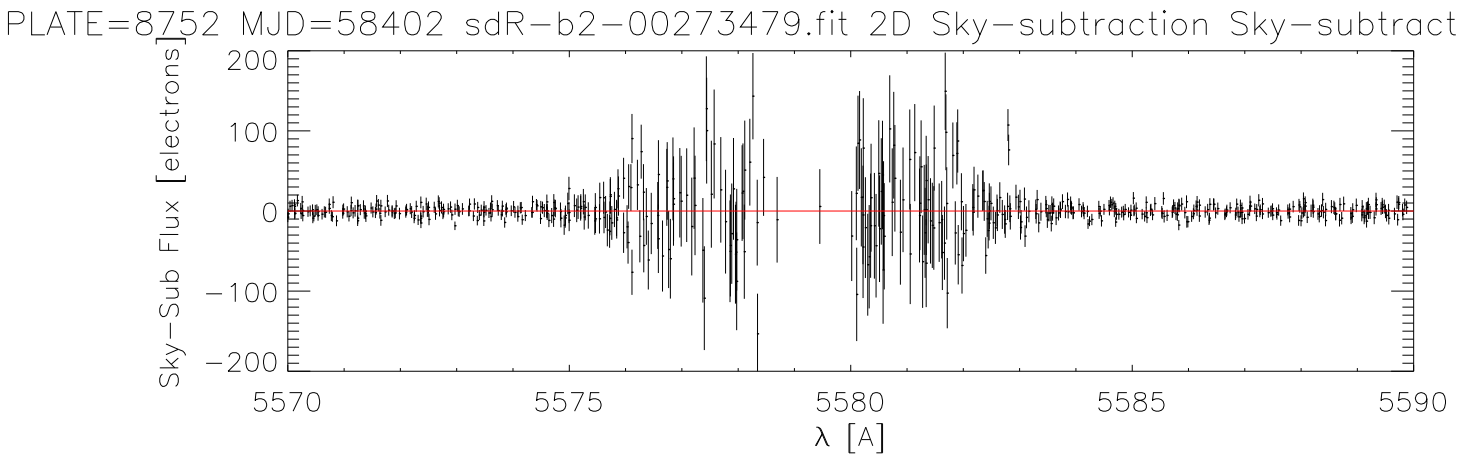

PLATE=8752 MJD=58402 sdR-b2-00273479.fit 1D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
400
200
0
-200
-400
-600
-800
5570
5575
5580
5585
5590
λ [A]

Number of sky fibers = 37

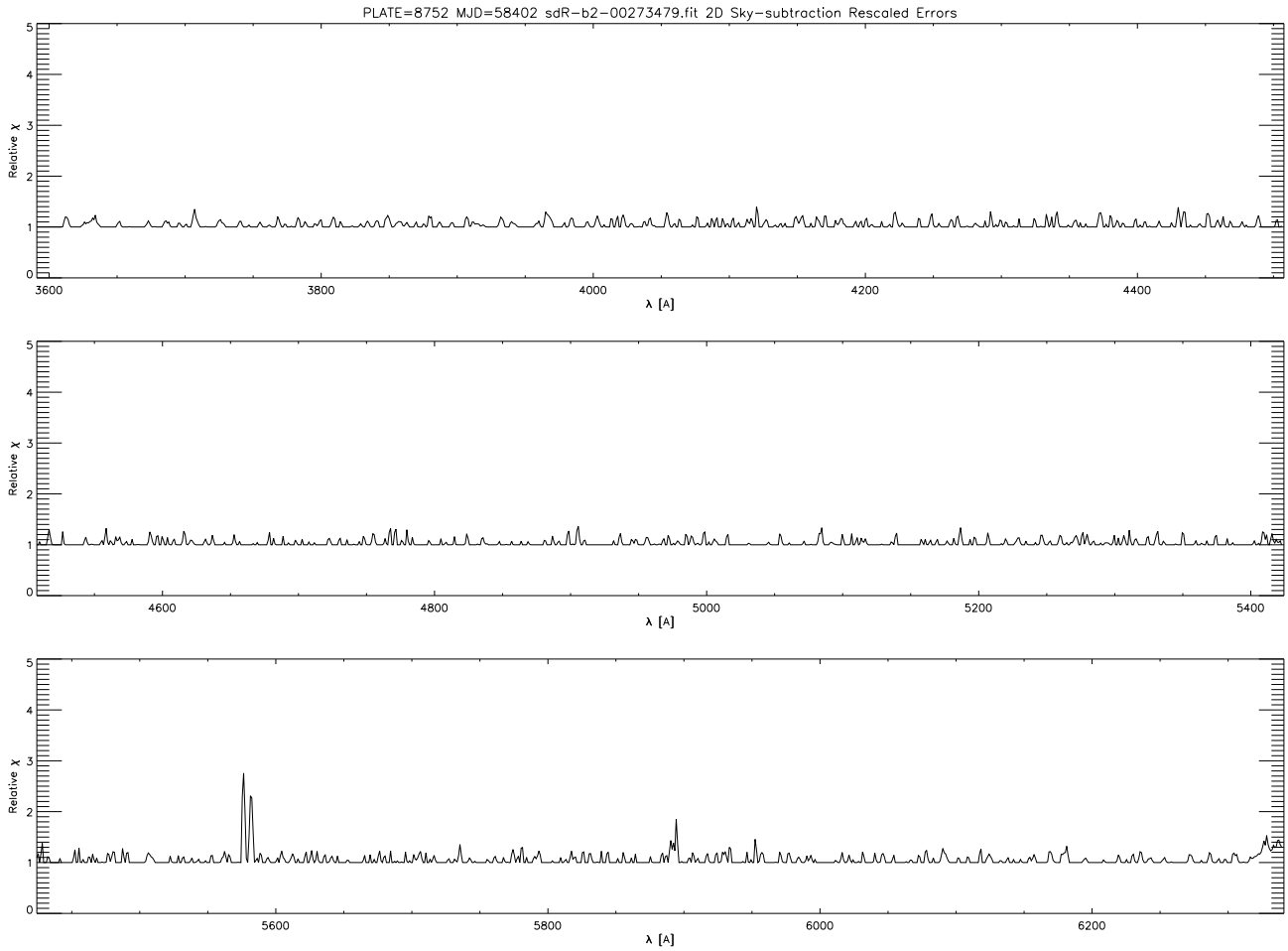


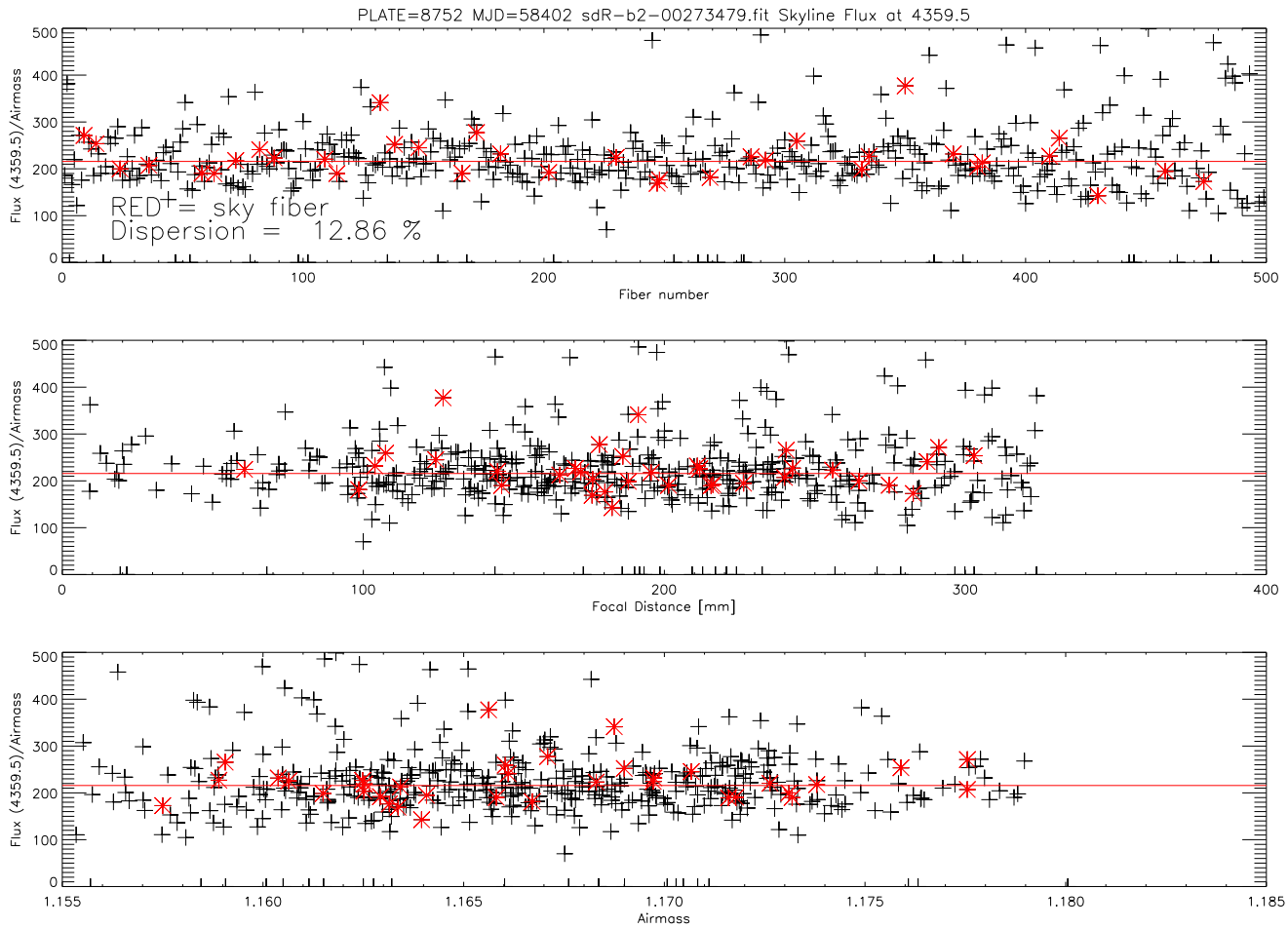

PLATE=8752 MJD=58402 sdR-b2-00273479.fit 2D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

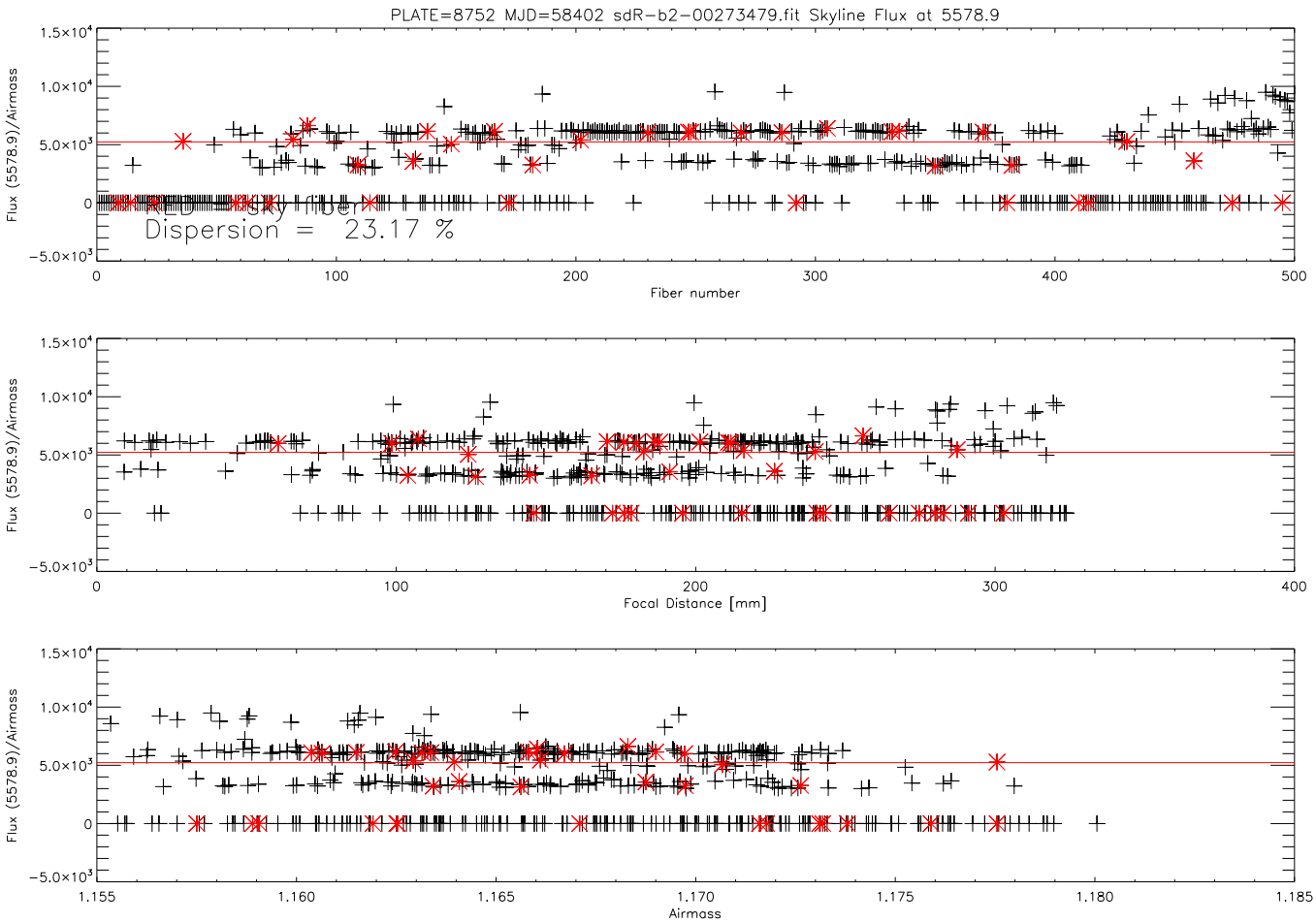

PLATE=8752 MJD=58402 sdR-b2-00273479.fit 2D Sky-subtraction Sky Fibers
Flux [electrons]
4000
3000
2000
1000
0
5570
5575
5580
5585
5590
λ [A]

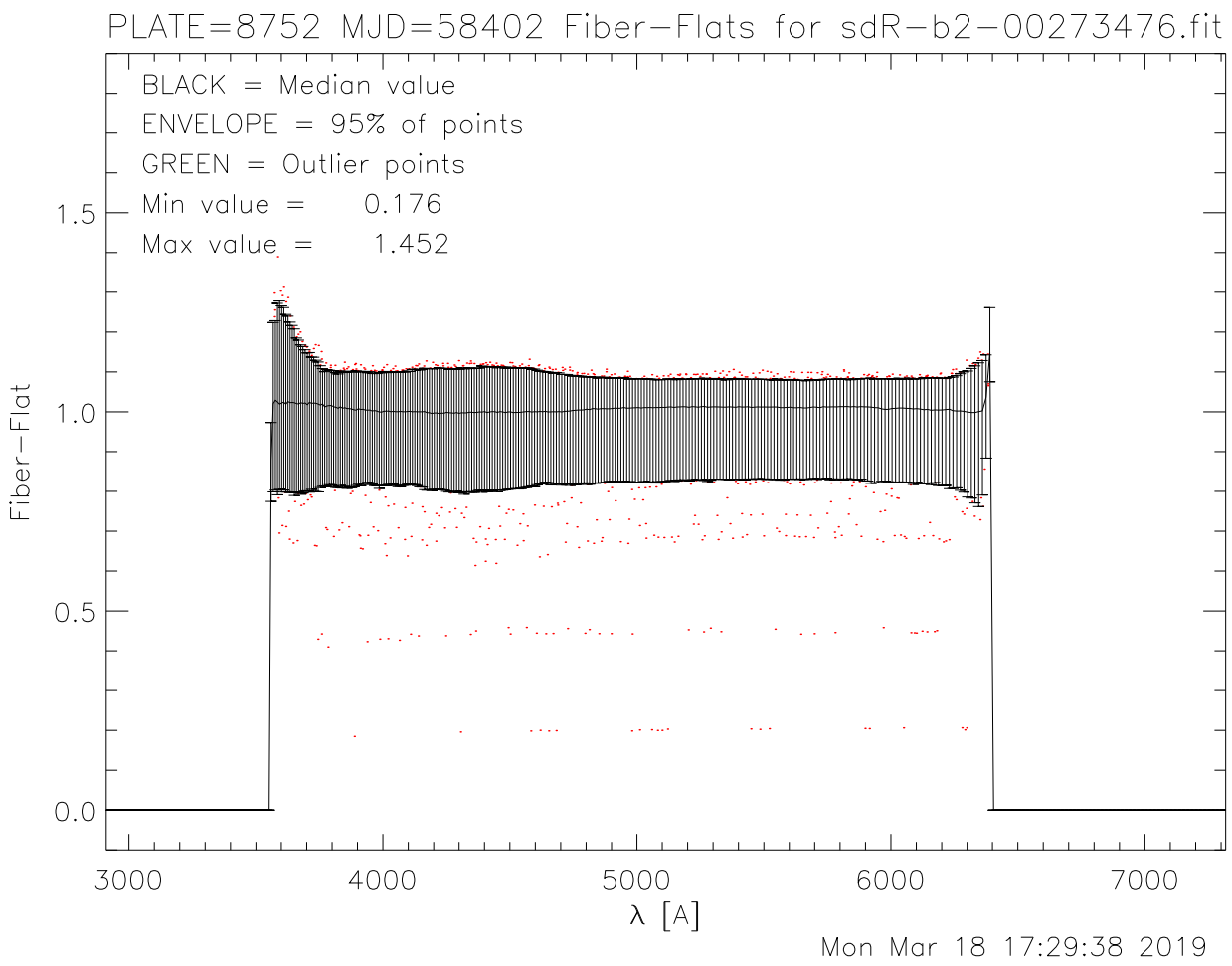

PLATE=8752 MJD=58402 sdR-b2-00273479.fit 2D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
200
100
0
-100
-200
5570
5575
5580
5585
5590
λ [A]

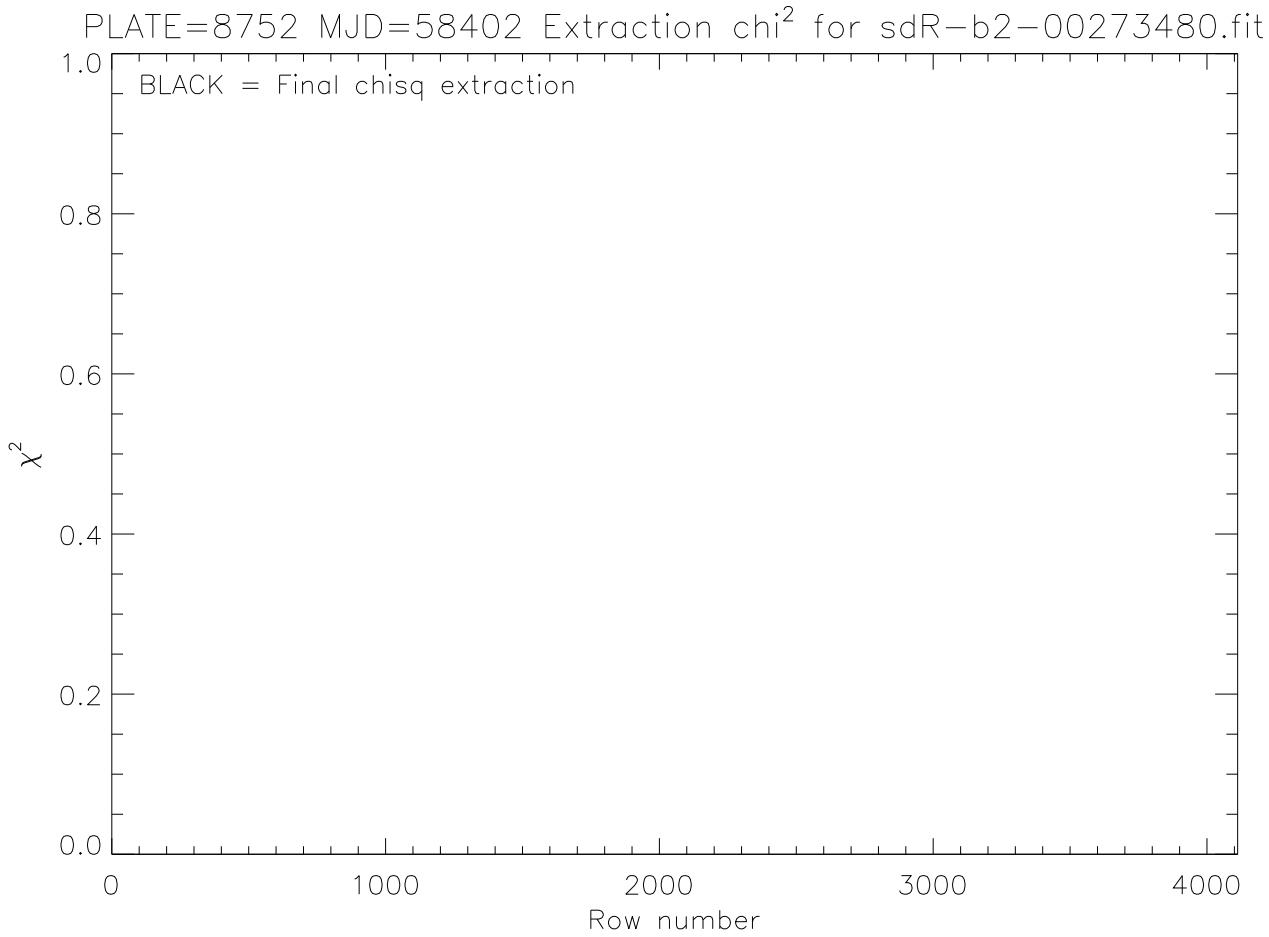
Number of sky fibers = 37

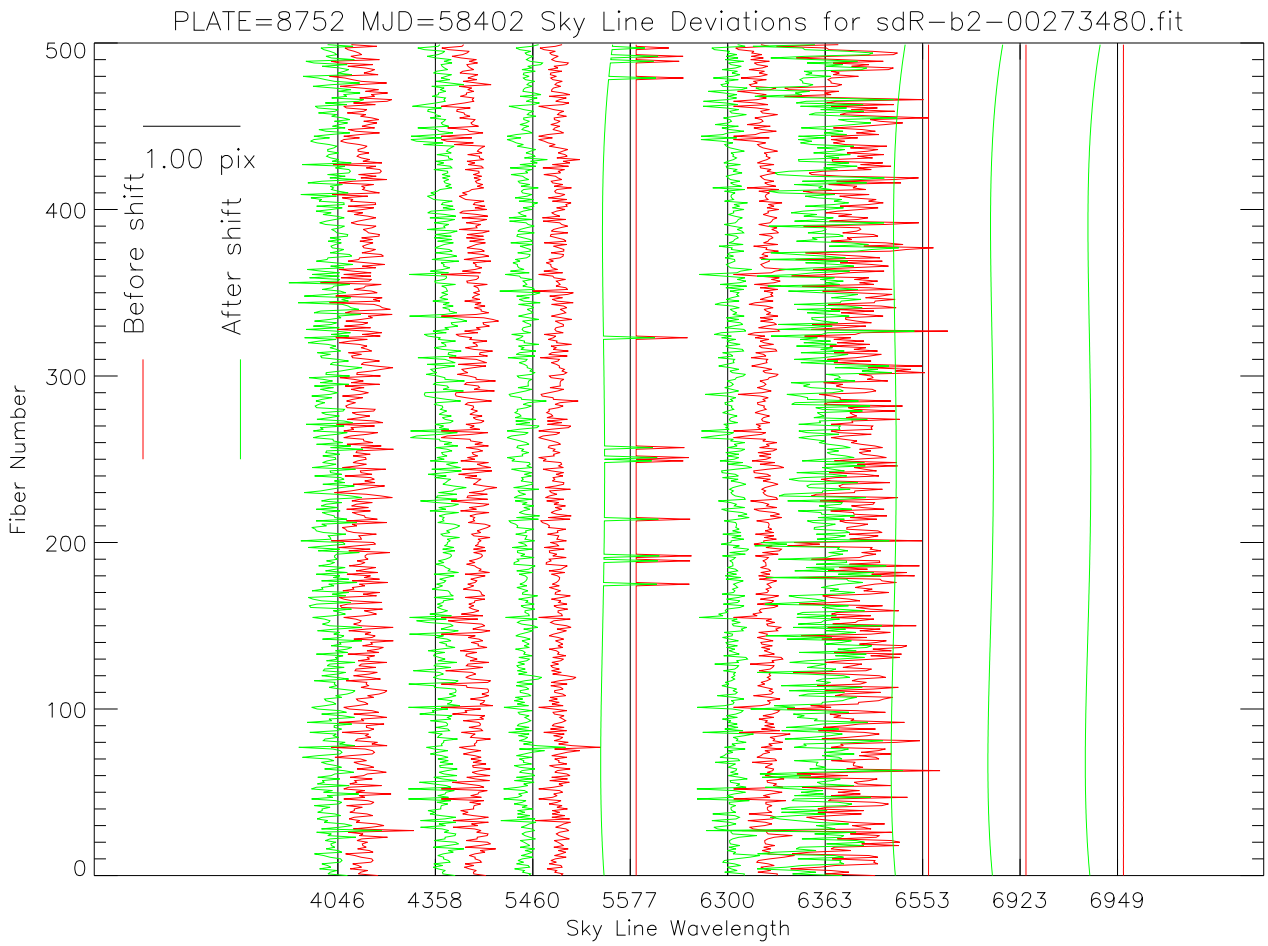


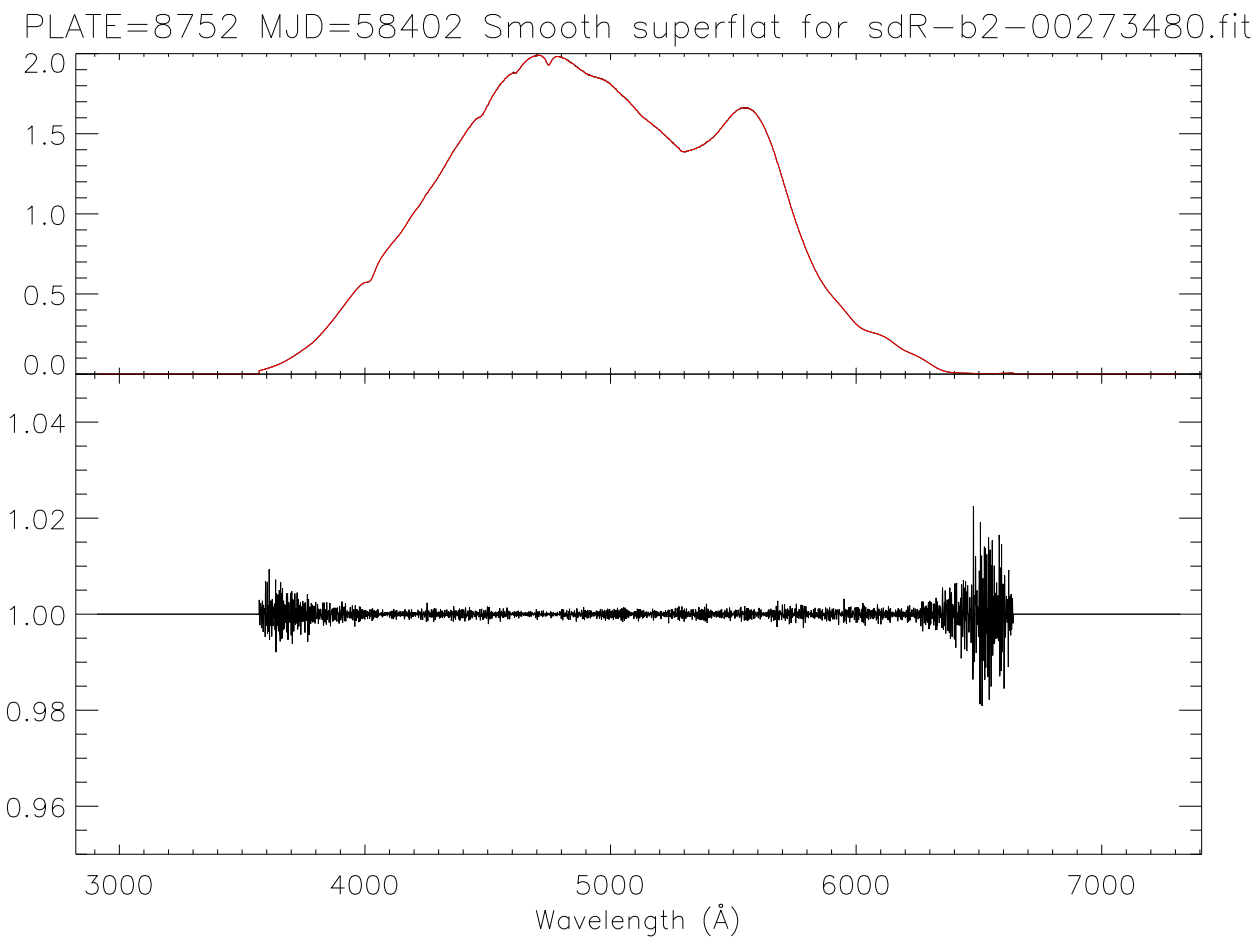

PLATE=8752 MJD=58402 sdR-b2-00273479.fit Skyline Flux at 4359.5
Flux (4359.5)/Airmass
RED+= sky fiber
Dispersion = 12.86 %
Fiber number
Flux (4359.5)/Airmass
Focal Distance [mm]
Flux (4359.5)/Airmass
Airmass

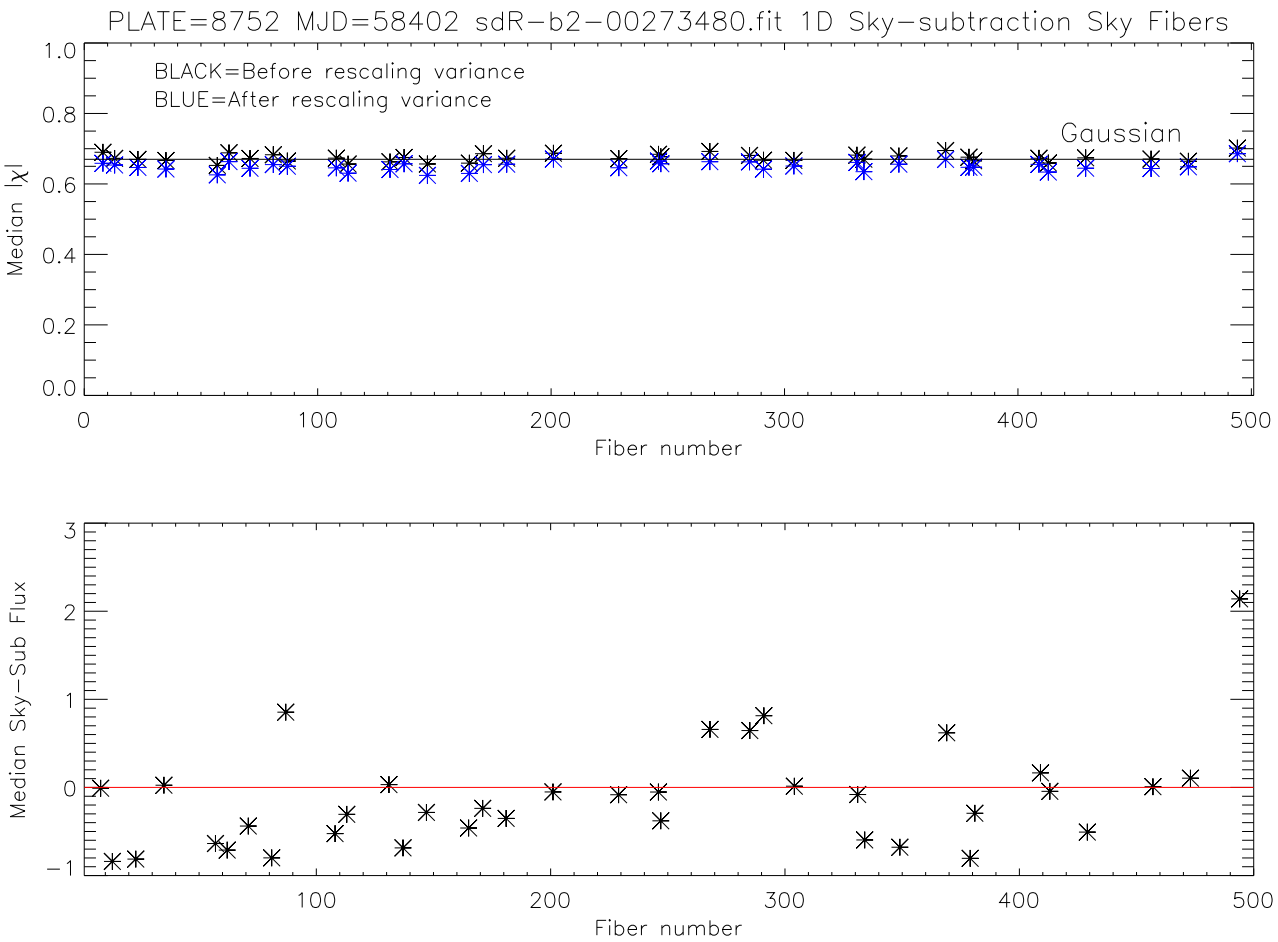

PLATE=8752 MJD=58402 sdR-b2-00273479.fit Skyline Flux at 5578.9
Flux (5578.9)/Airmass
1.5×10⁴
1.0×10⁴
5.0×10³
0
−5.0×10³
Empty sky fiber
Dispersion = 23.17 %
0
100
200
300
400
500
Fiber number
Flux (5578.9)/Airmass
Focal Distance [mm]
Flux (5578.9)/Airmass
1.155
1.160
1.165
1.170
1.175
1.180
1.185
Airmass

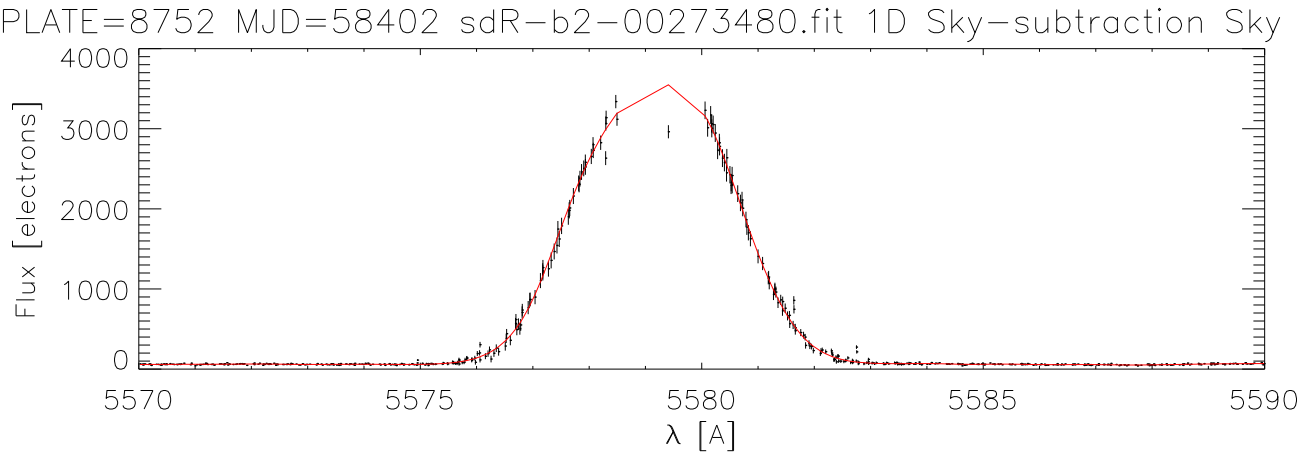

PLATE=8752 MJD=58402 Fiber-Flats for sdR-b2-00273476.fit
BLACK = Median value
ENVELOPE = 95% of points
GREEN = Outlier points
Min value = 0.176
Max value = 1.452
Fiber-Flat
1.5
1.0
0.5
0.0
3000
4000
5000
6000
7000
λ [A]
Mon Mar 18 17:29:38 2019

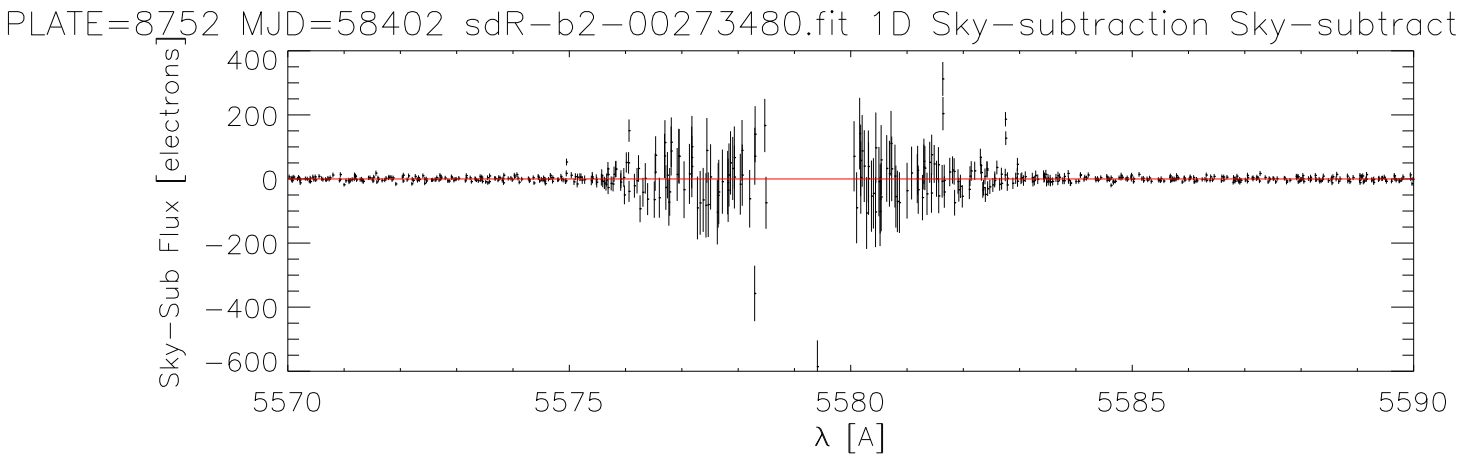

PLATE=8752 MJD=58402 Extraction chi^2 for sdR-b2-00273480.fit
BLACK = Final chisq extraction
χ^2
1.0
0.8
0.6
0.4
0.2
0.0
0
1000
2000
3000
4000
Row number


PLATE=8752 MJD=58402 Sky Line Deviations for sdR-b2-00273480.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

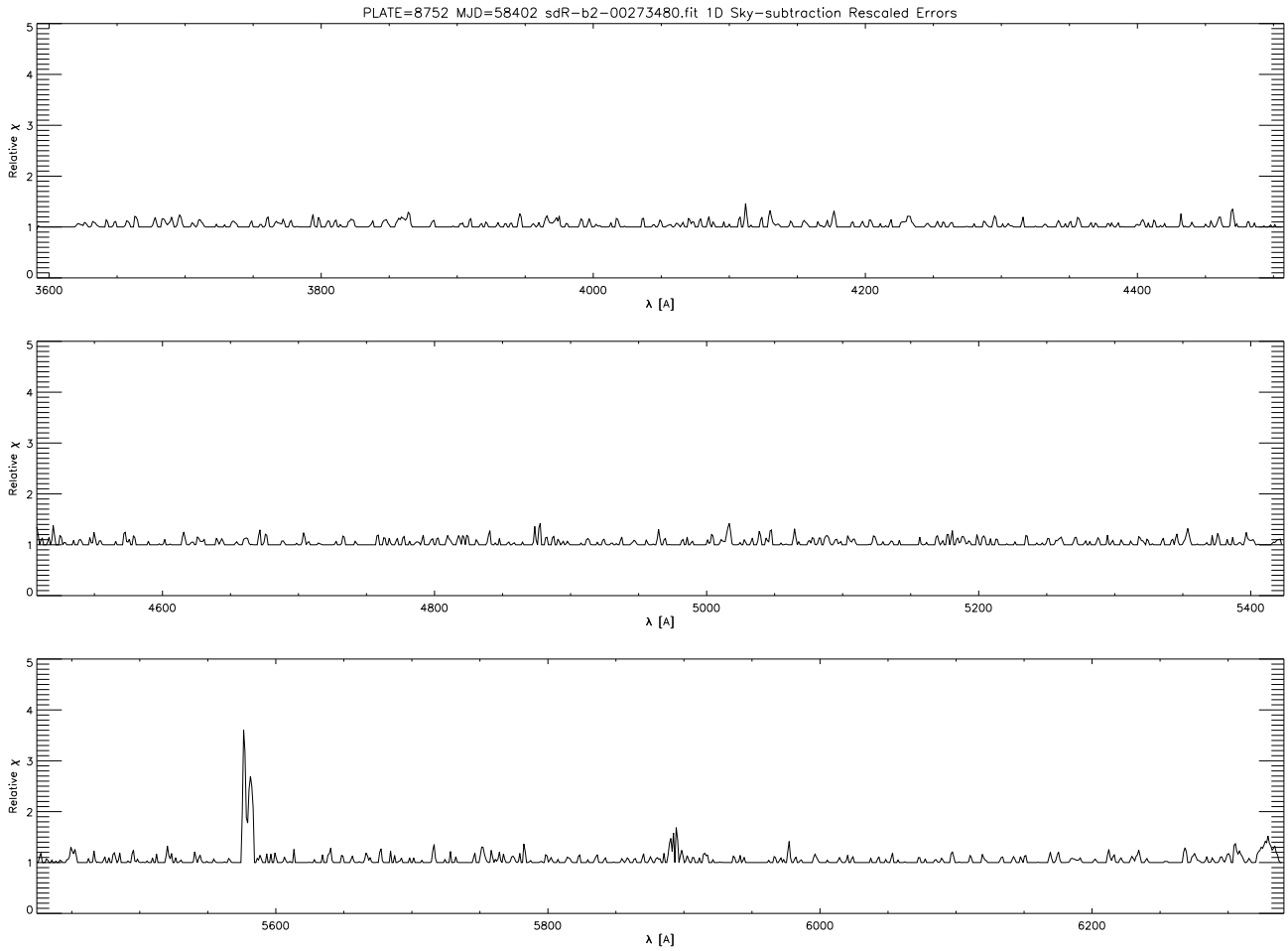

PLATE=8752 MJD=58402 Smooth superflat for sdR-b2-00273480.fit
2.0
1.5
1.0
0.5
0.0
1.04
1.02
1.00
0.98
0.96
3000
4000
5000
6000
7000
Wavelength (Å)

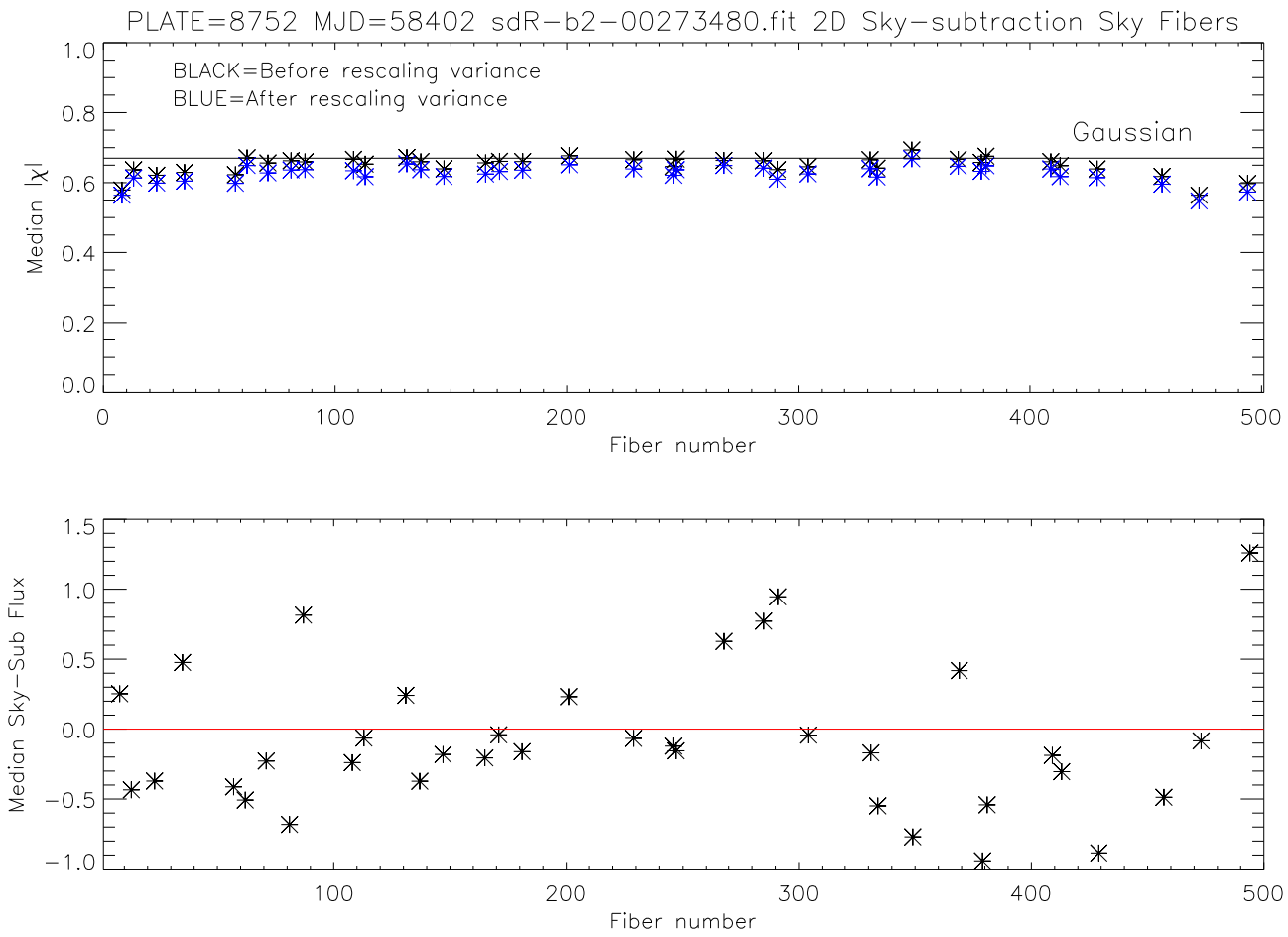

PLATE=8752 MJD=58402 sdR-b2-00273480.fit 1D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

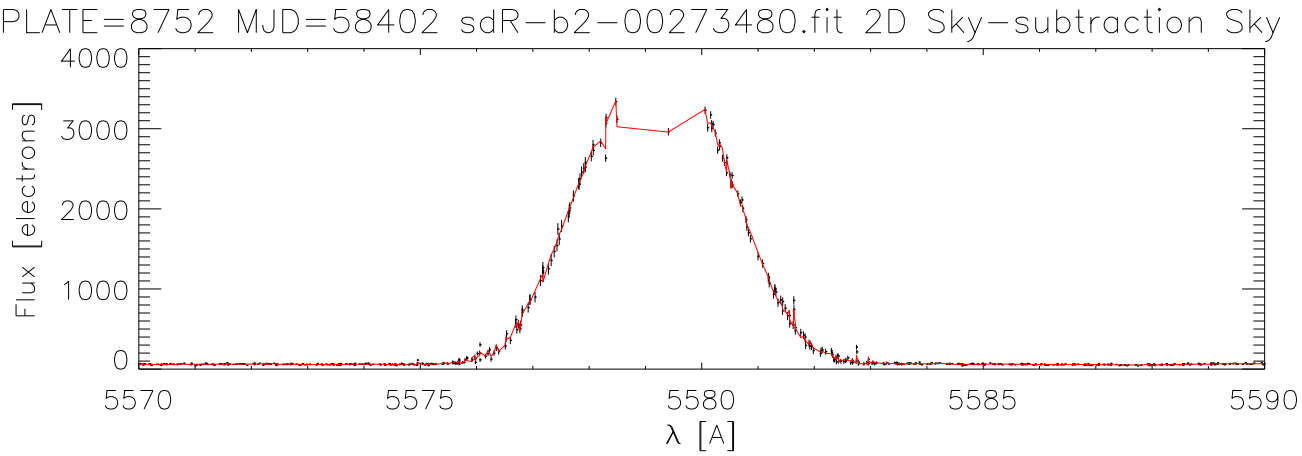

PLATE=8752 MJD=58402 sdR-b2-00273480.fit 1D Sky-subtraction Sky Fibers
Flux [electrons]
4000
3000
2000
1000
0
5570
5575
5580
5585
5590
λ [A]

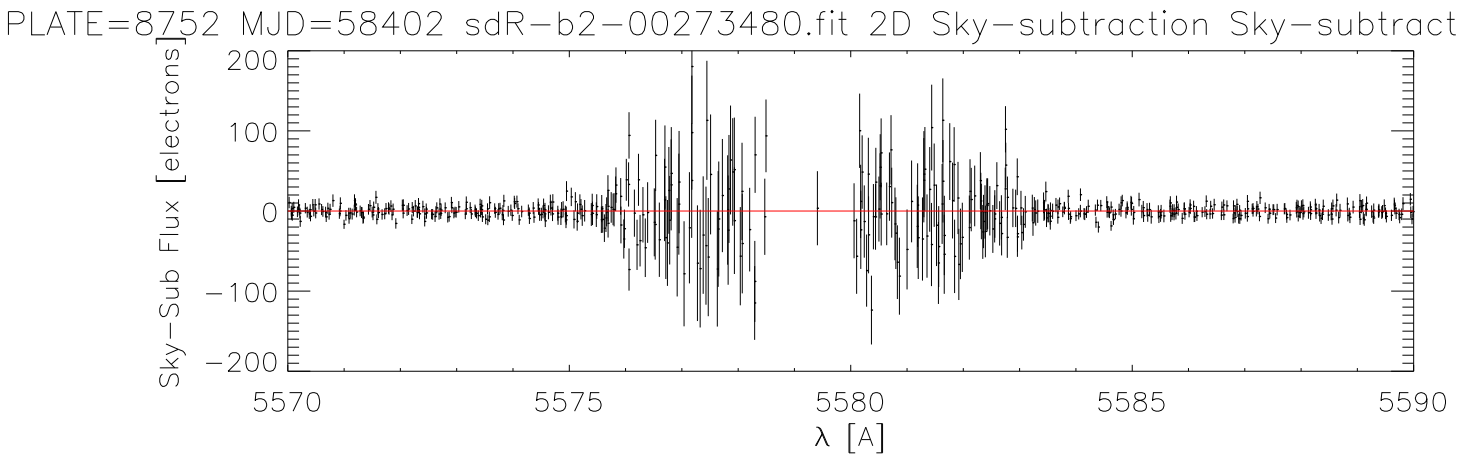

PLATE=8752 MJD=58402 sdR-b2-00273480.fit 1D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
400
200
0
-200
-400
-600
5570
5575
5580
5585
5590
λ [A]

Number of sky fibers = 37

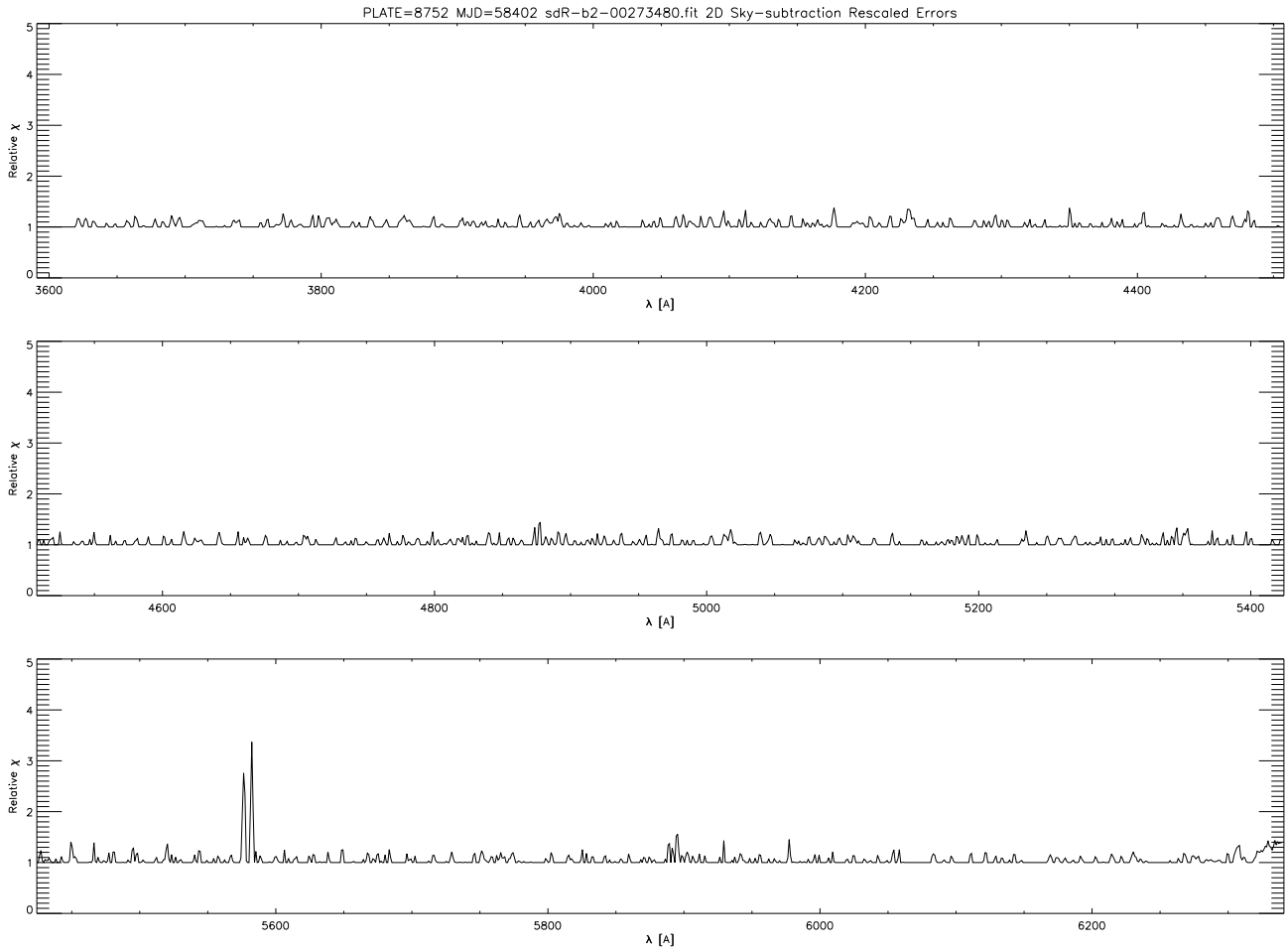


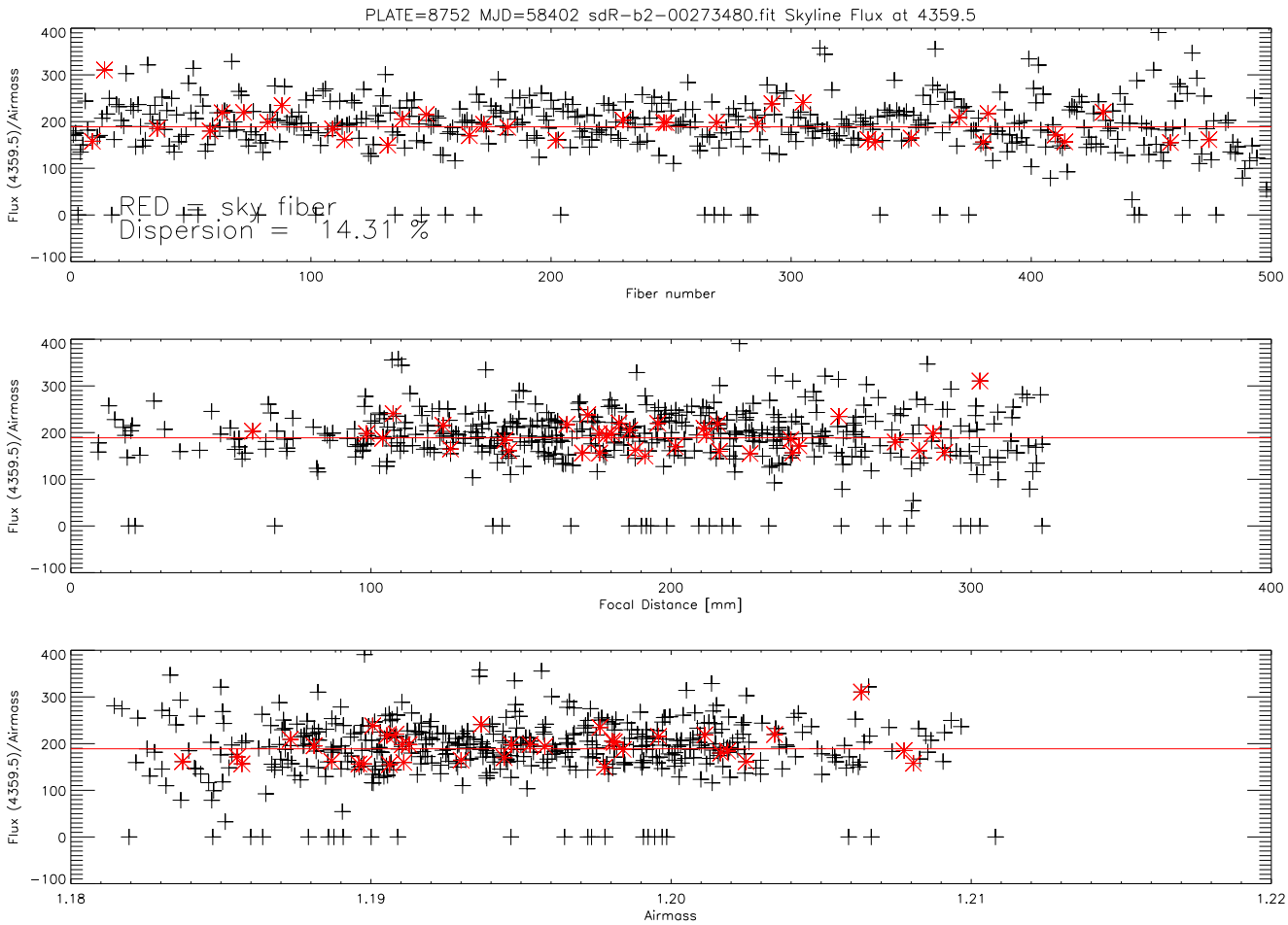

PLATE=8752 MJD=58402 sdR-b2-00273480.fit 2D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

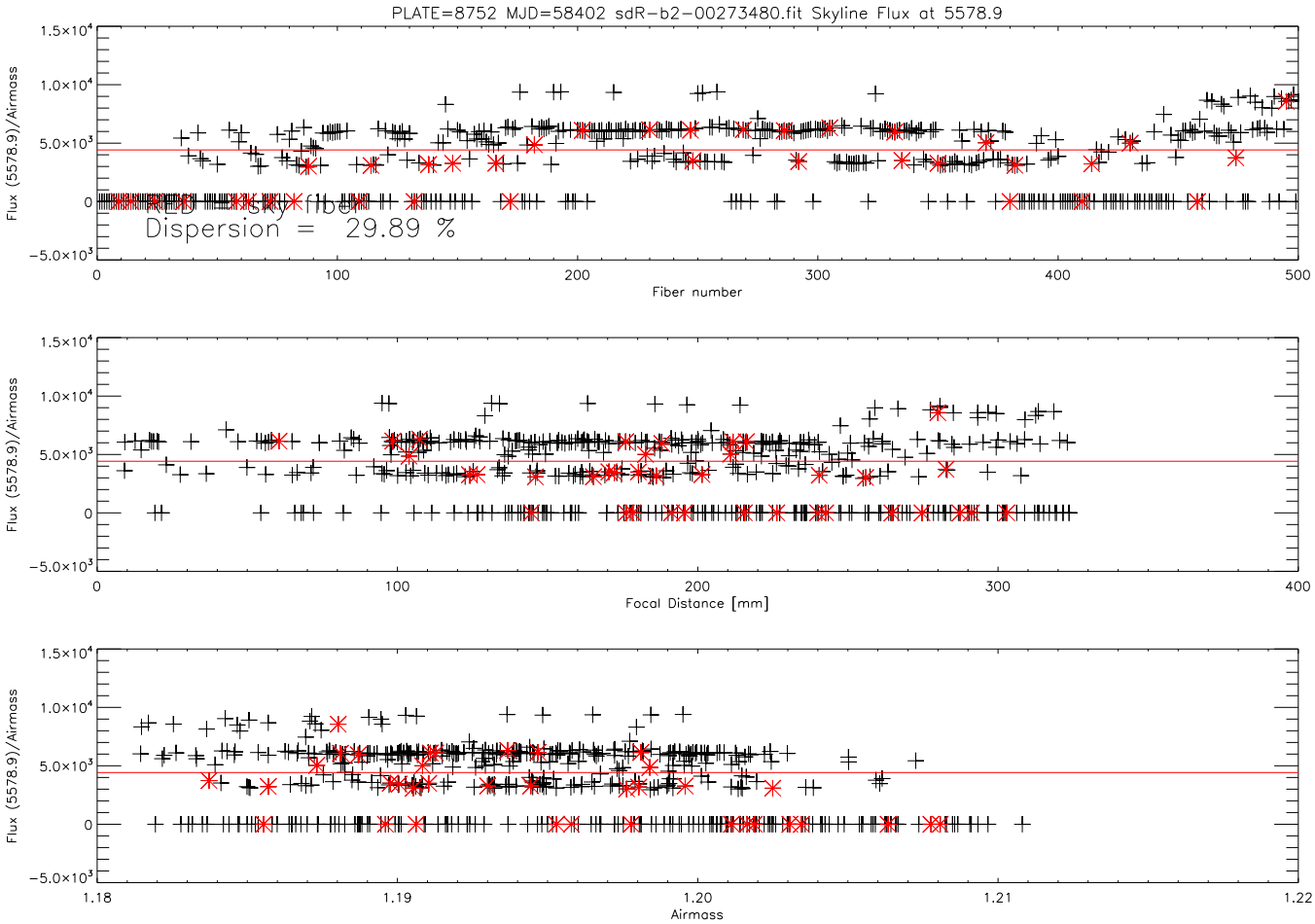

PLATE=8752 MJD=58402 sdR-b2-00273480.fit 2D Sky-subtraction Sky Fibers
Flux [electrons]
4000
3000
2000
1000
0
5570
5575
5580
5585
5590
λ [A]

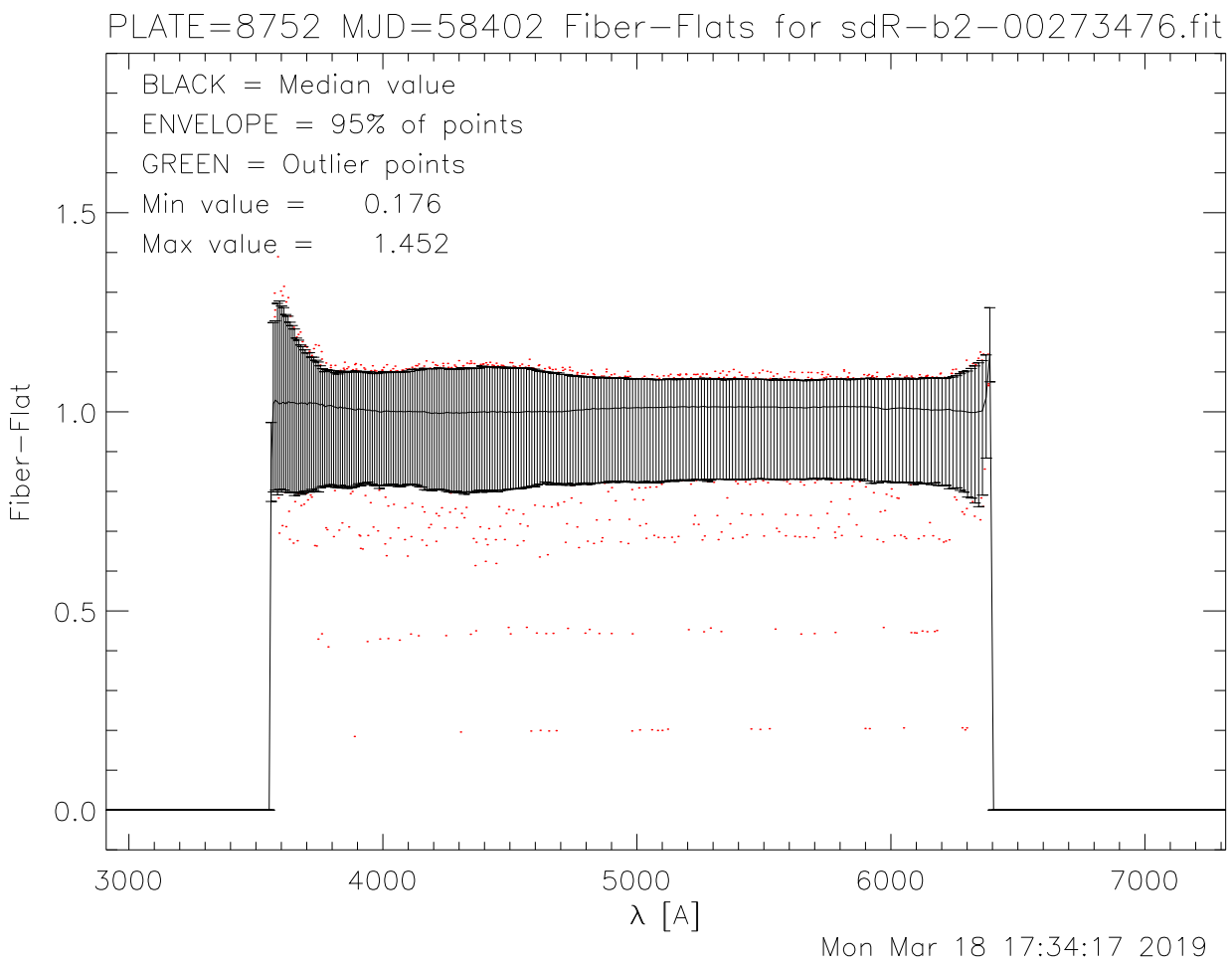

PLATE=8752 MJD=58402 sdR-b2-00273480.fit 2D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
200
100
0
-100
-200
5570
5575
5580
5585
5590
λ [A]

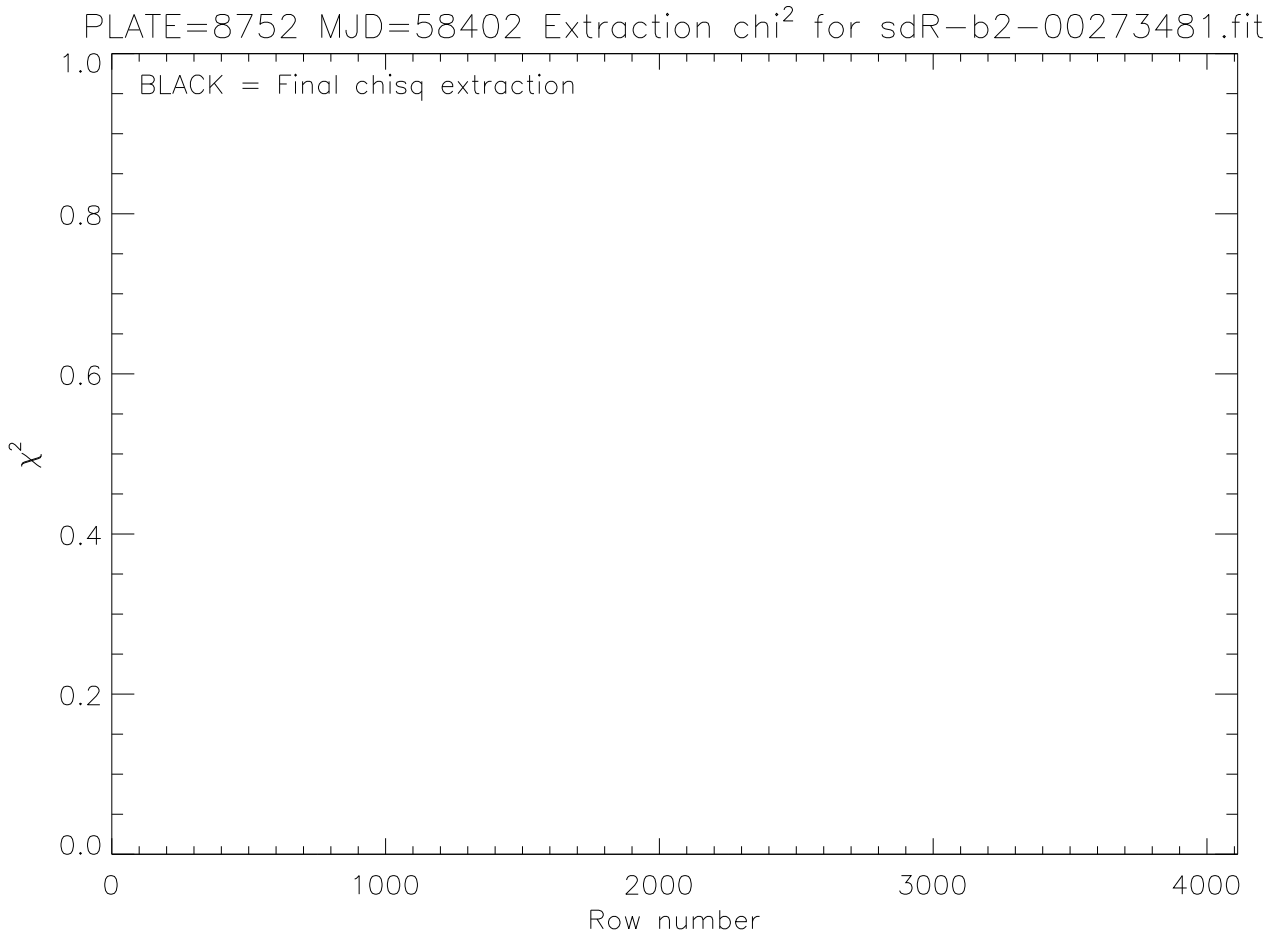
Number of sky fibers = 37

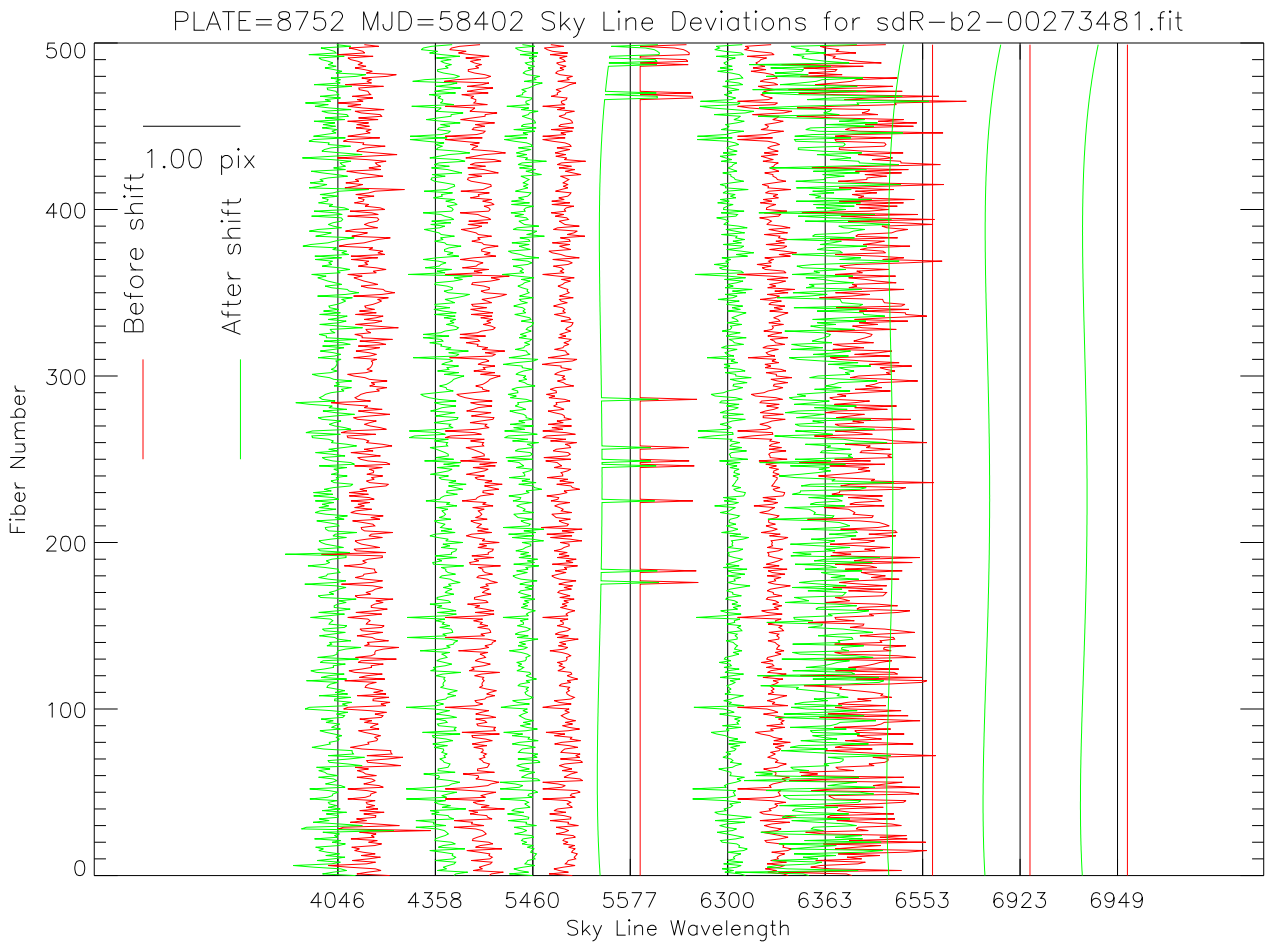


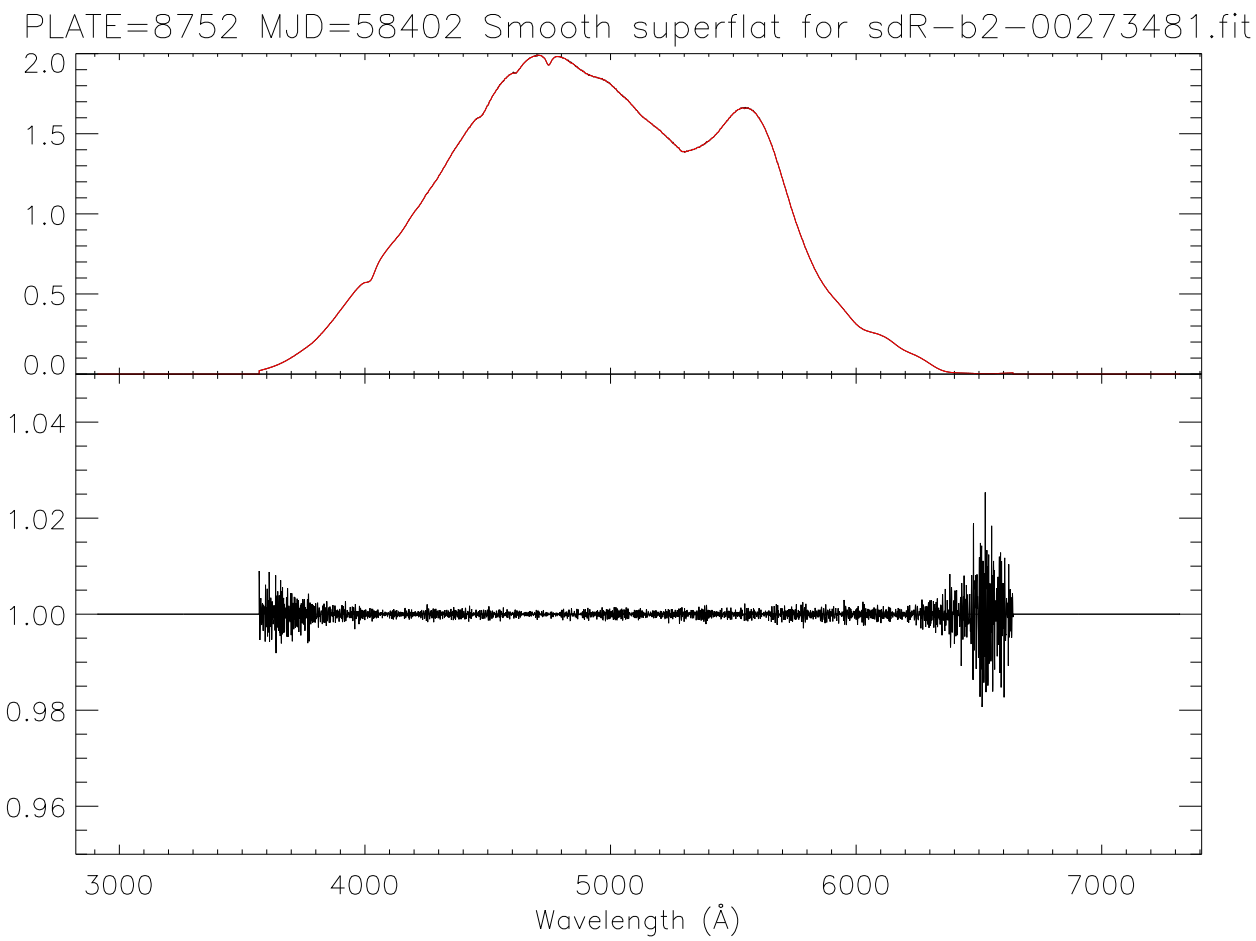

PLATE=8752 MJD=58402 sdR-b2-00273480.fit Skyline Flux at 4359.5
Flux (4359.5)/Airmass
Fiber number
RED = sky fiber
Dispersion = 14.31 %
Flux (4359.5)/Airmass
Focal Distance [mm]
Flux (4359.5)/Airmass
Airmass

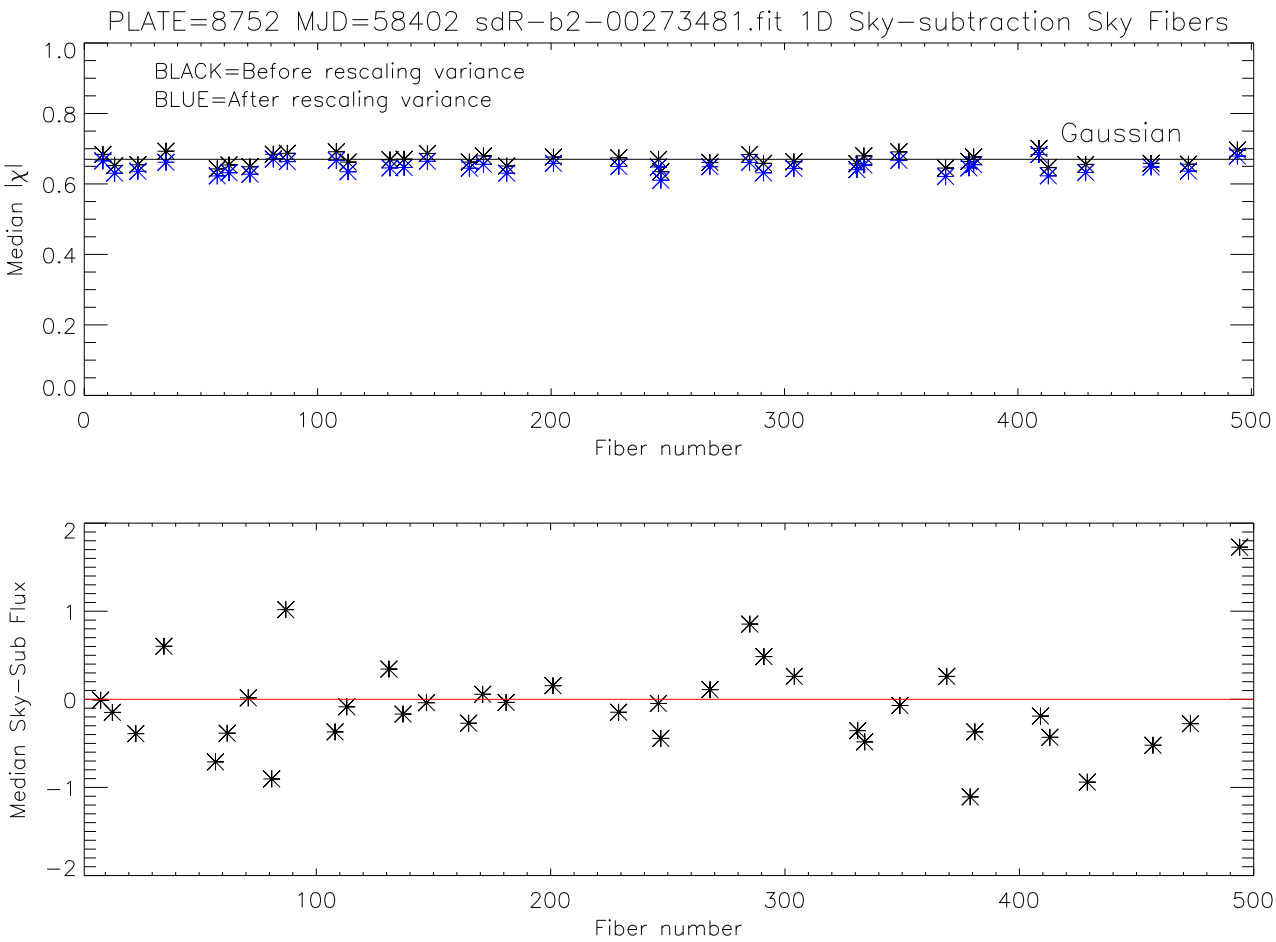

PLATE=8752 MJD=58402 sdR-b2-00273480.fit Skyline Flux at 5578.9
Flux (5578.9)/Airmass
1.5×10⁴
1.0×10⁴
5.0×10³
0
−5.0×10³
0
100
200
300
400
500
Fiber number
Dispersion = 29.89 %
Focal Distance [mm]
1.18
1.19
1.20
1.21
1.22
Airmass

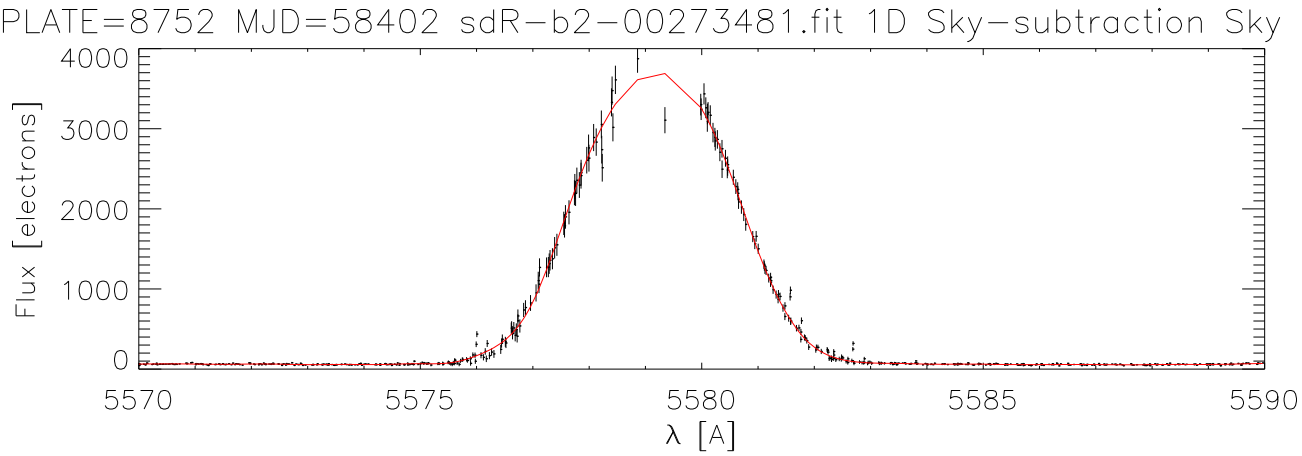

PLATE=8752 MJD=58402 Fiber-Flats for sdR-b2-00273476.fit
BLACK = Median value
ENVELOPE = 95% of points
GREEN = Outlier points
Min value = 0.176
Max value = 1.452
Fiber-Flat
1.5
1.0
0.5
0.0
3000
4000
5000
6000
7000
λ [A]
Mon Mar 18 17:34:17 2019

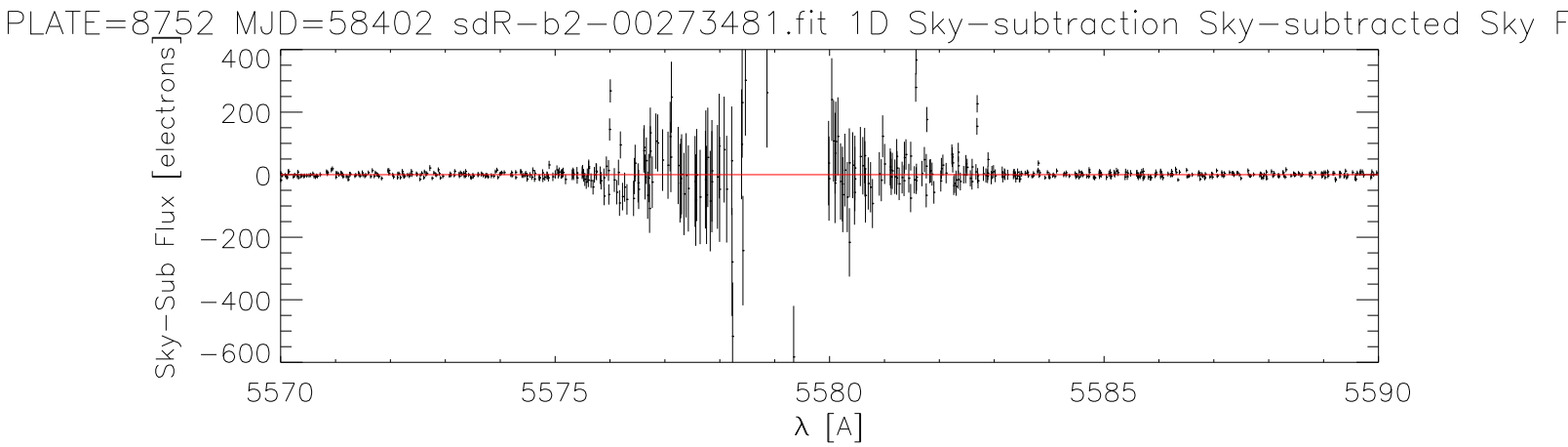

PLATE=8752 MJD=58402 Extraction chi^2 for sdR-b2-00273481.fit
BLACK = Final chisq extraction
χ^2
1.0
0.8
0.6
0.4
0.2
0.0
0
1000
2000
3000
4000
Row number


PLATE=8752 MJD=58402 Sky Line Deviations for sdR-b2-00273481.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

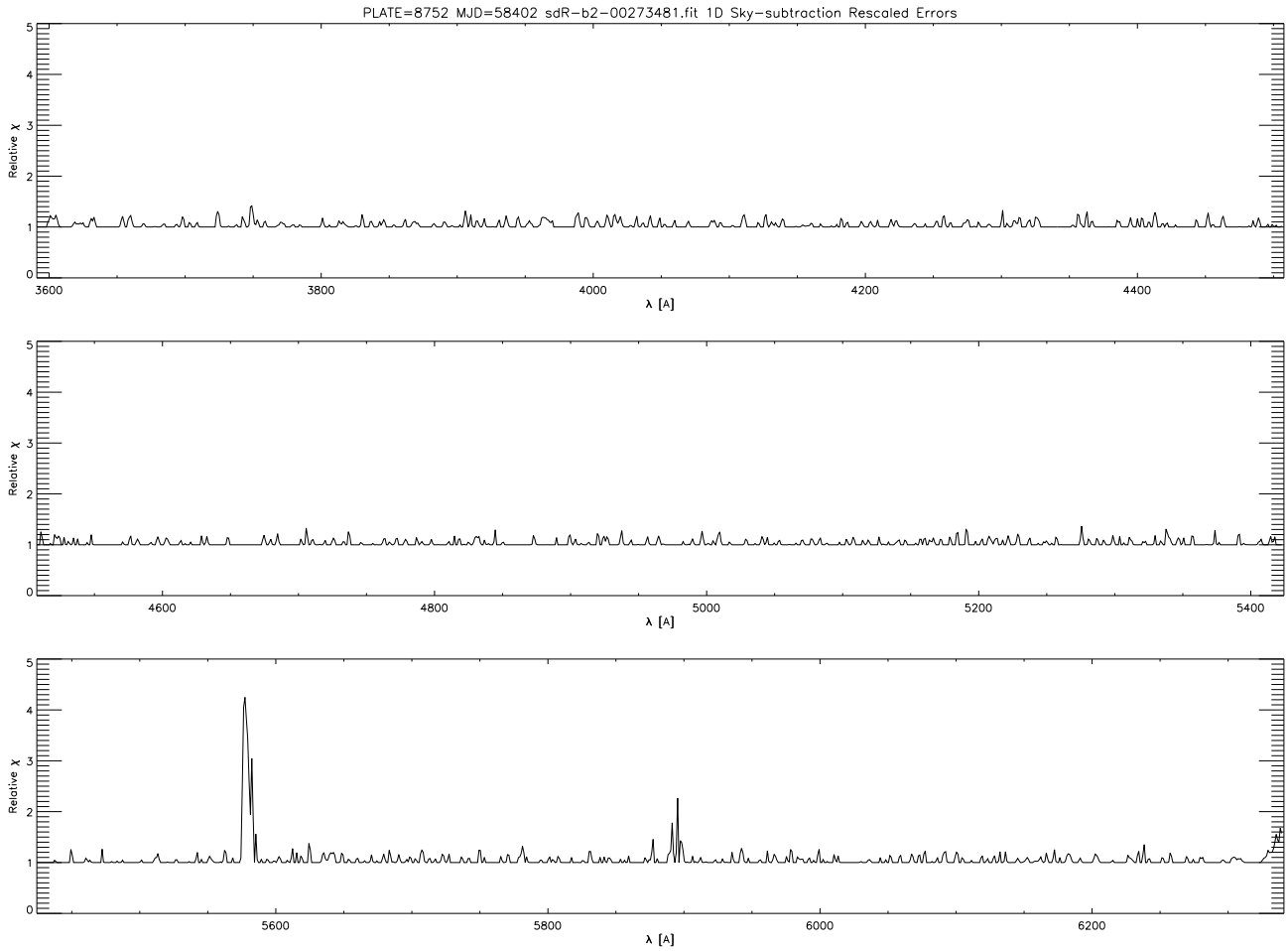

PLATE=8752 MJD=58402 Smooth superflat for sdR-b2-00273481.fit
2.0
1.5
1.0
0.5
0.0
1.04
1.02
1.00
0.98
0.96
3000
4000
5000
6000
7000
Wavelength (Å)

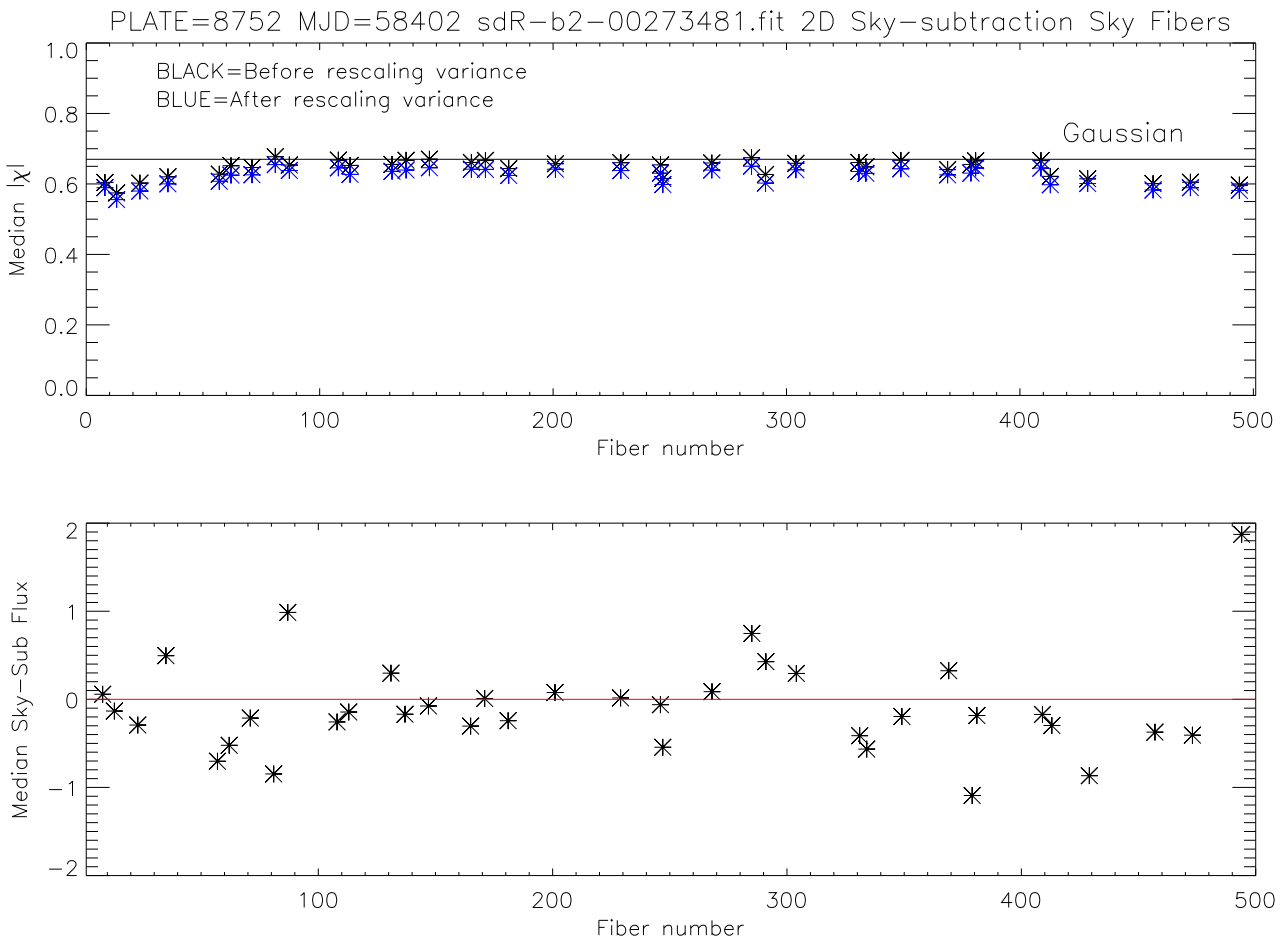

PLATE=8752 MJD=58402 sdR-b2-00273481.fit 1D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

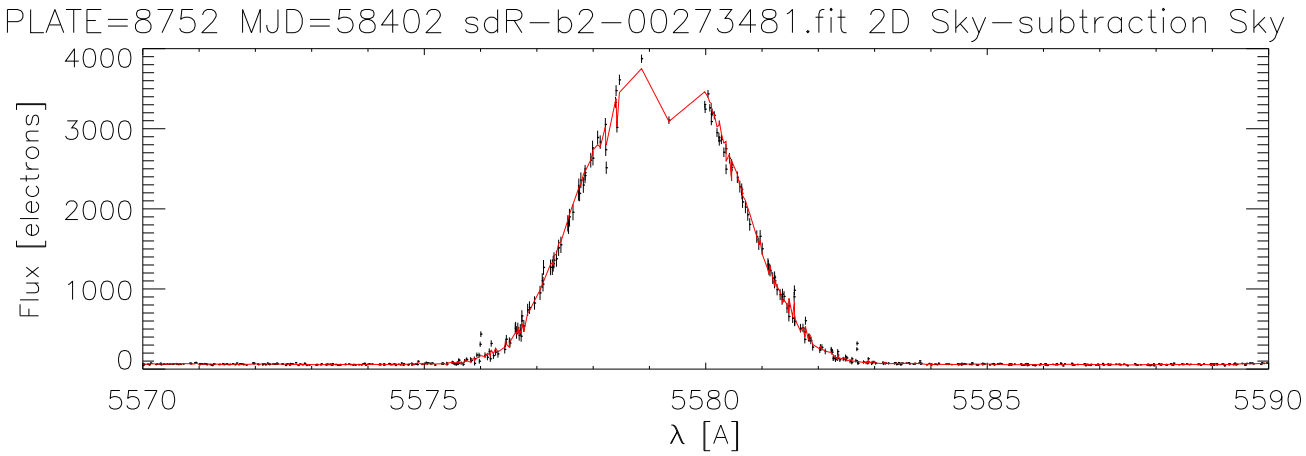

PLATE=8752 MJD=58402 sdR-b2-00273481.fit 1D Sky-subtraction Sky Fibers
Flux [electrons]
4000
3000
2000
1000
0
5570
5575
5580
5585
5590
λ [A]

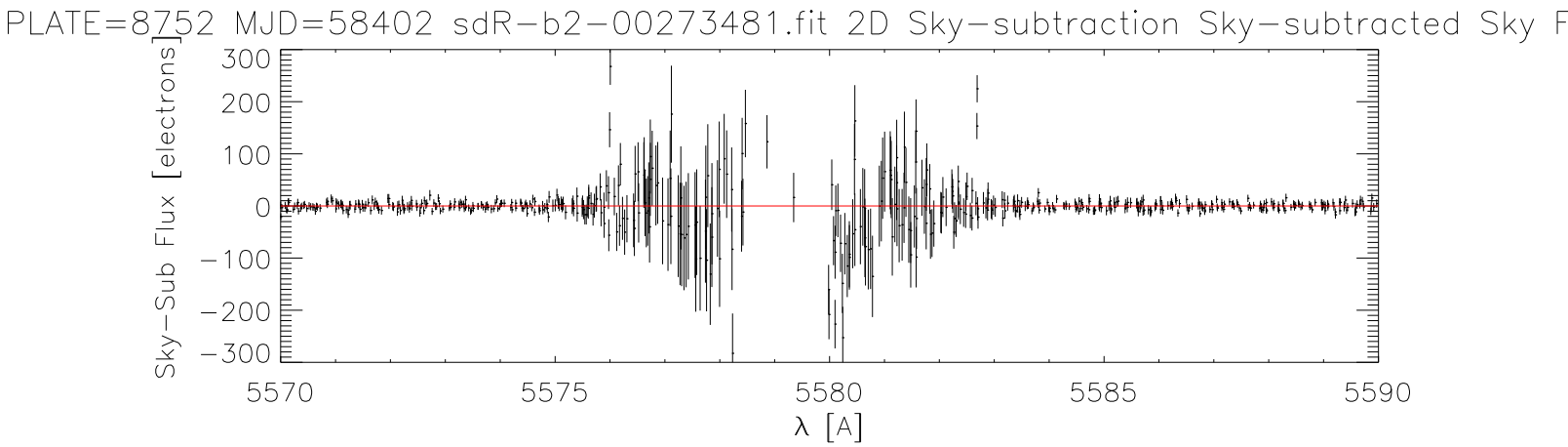

PLATE=8752 MJD=58402 sdR-b2-00273481.fit 1D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
400
200
0
-200
-400
-600
5570
5575
5580
5585
5590
λ [A]

Number of sky fibers = 37

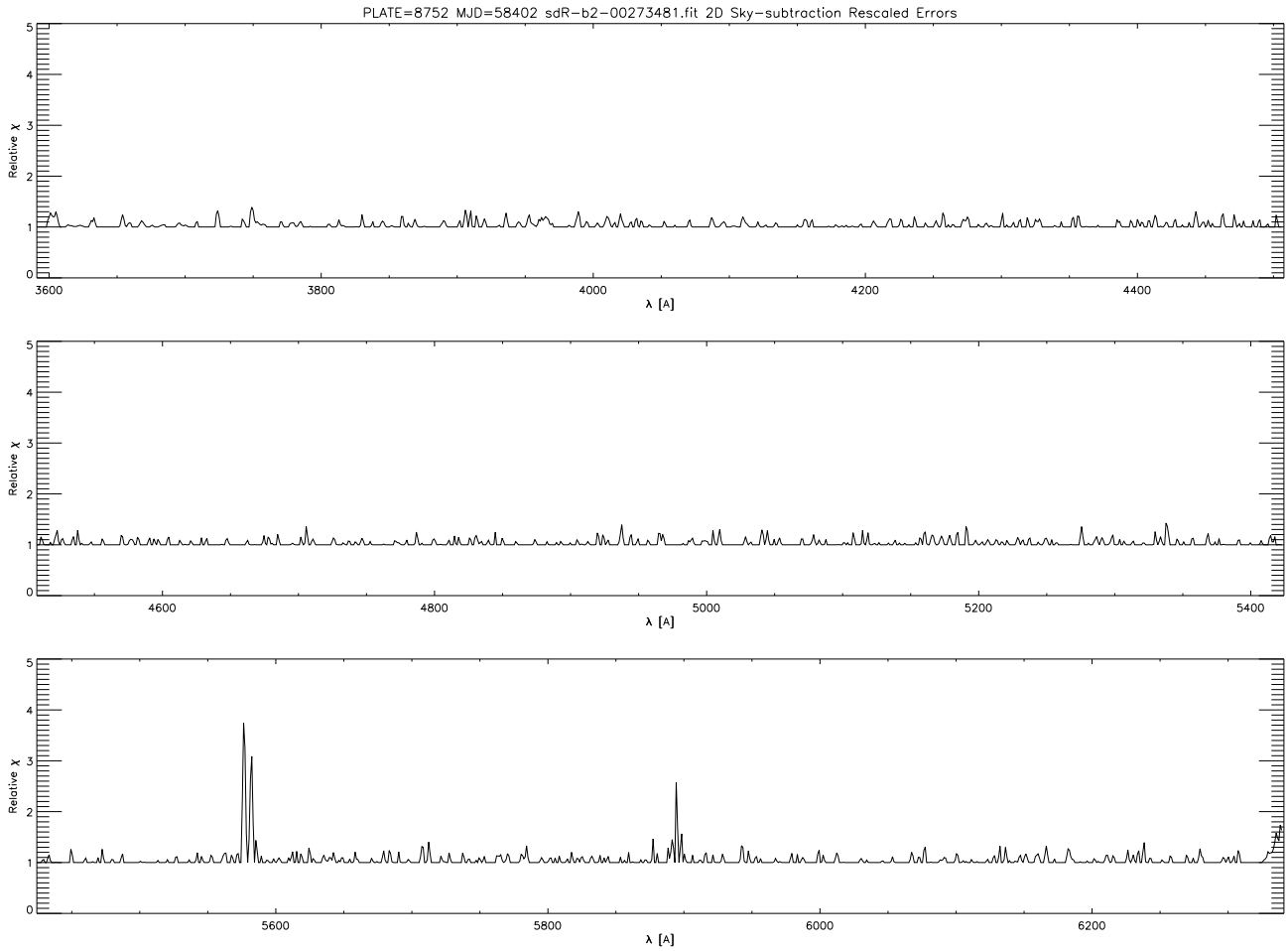


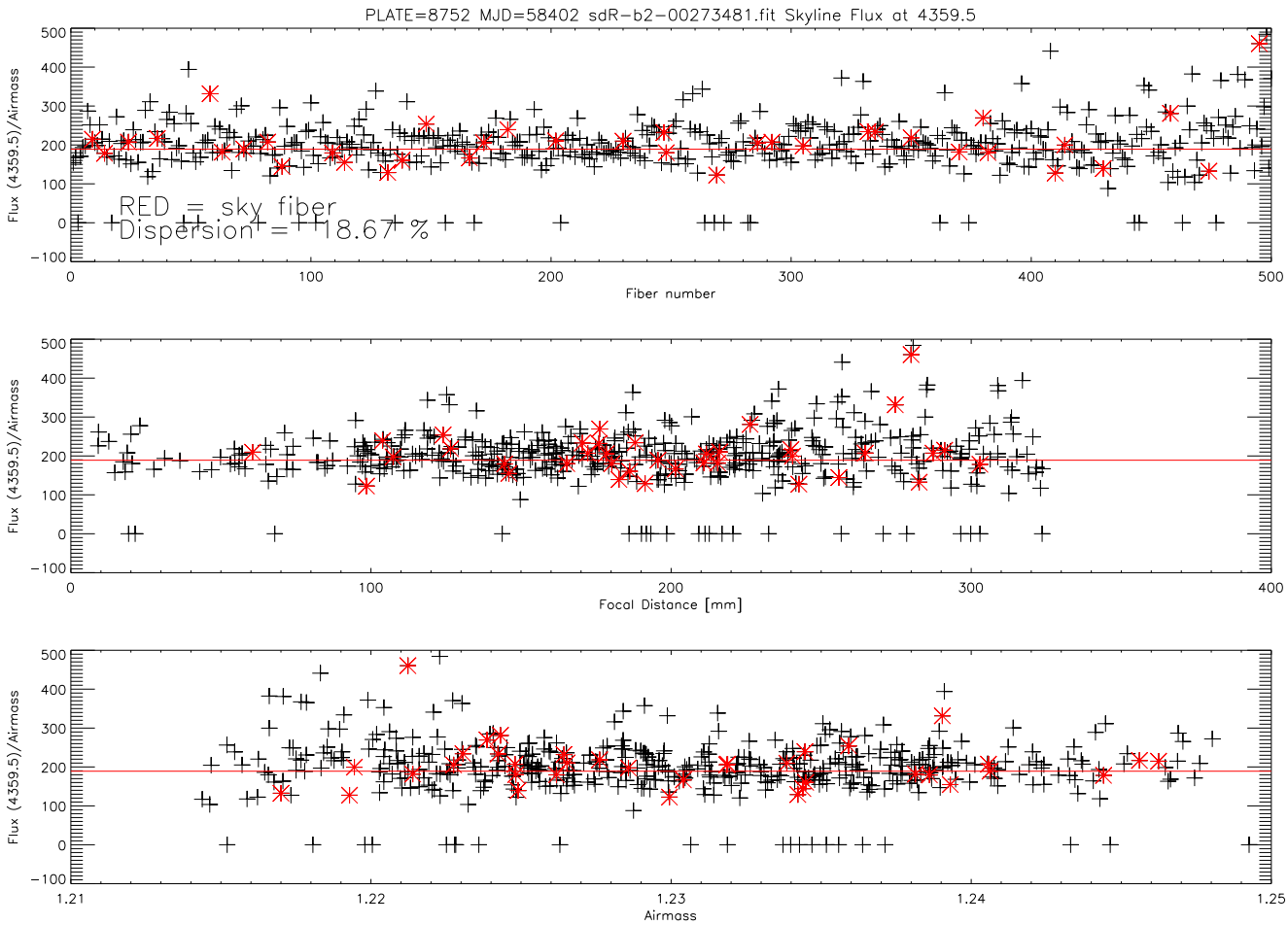

PLATE=8752 MJD=58402 sdR-b2-00273481.fit 2D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

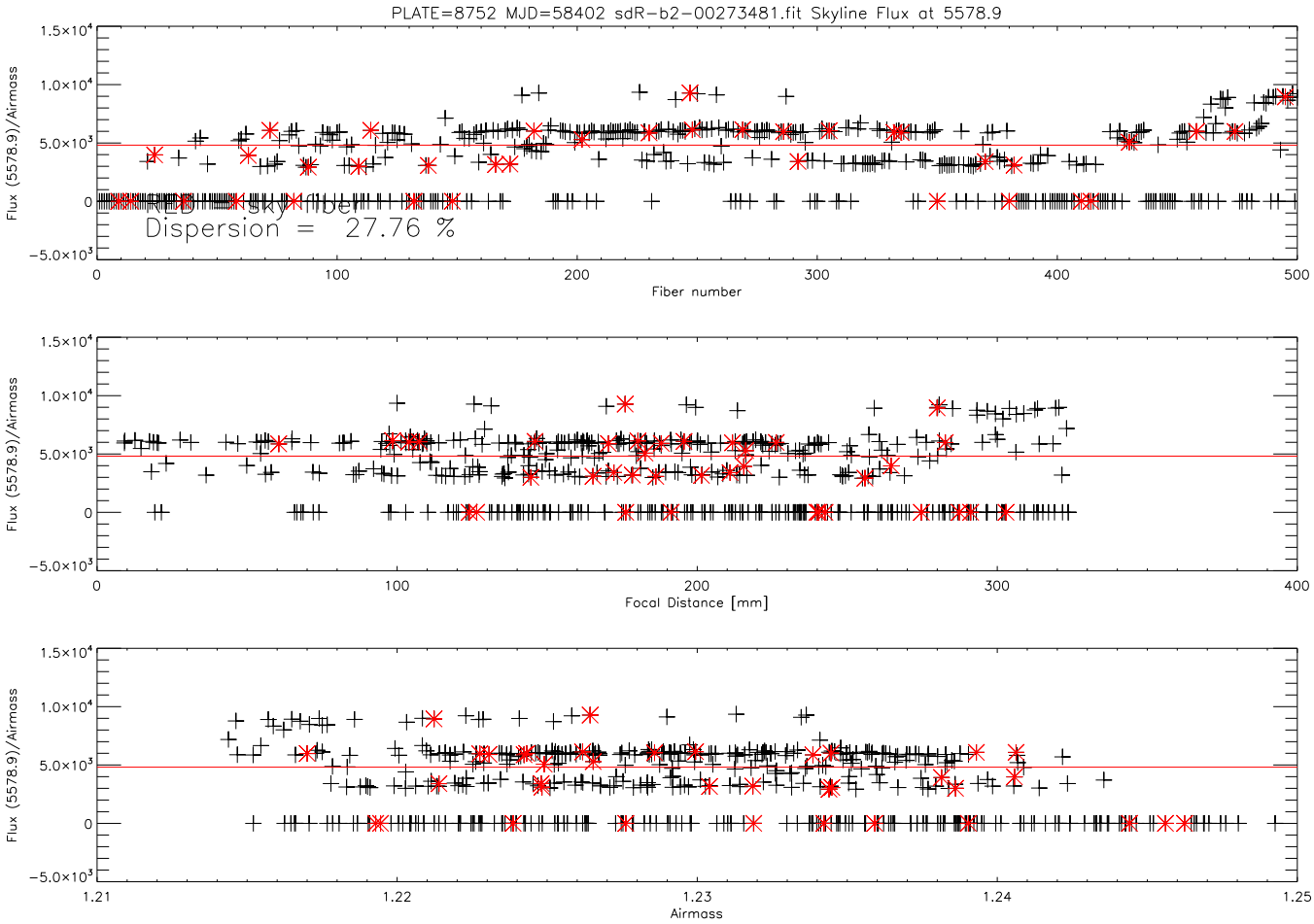

PLATE=8752 MJD=58402 sdR-b2-00273481.fit 2D Sky-subtraction Sky Fibers
Flux [electrons]
4000
3000
2000
1000
0
5570
5575
5580
5585
5590
λ [A]

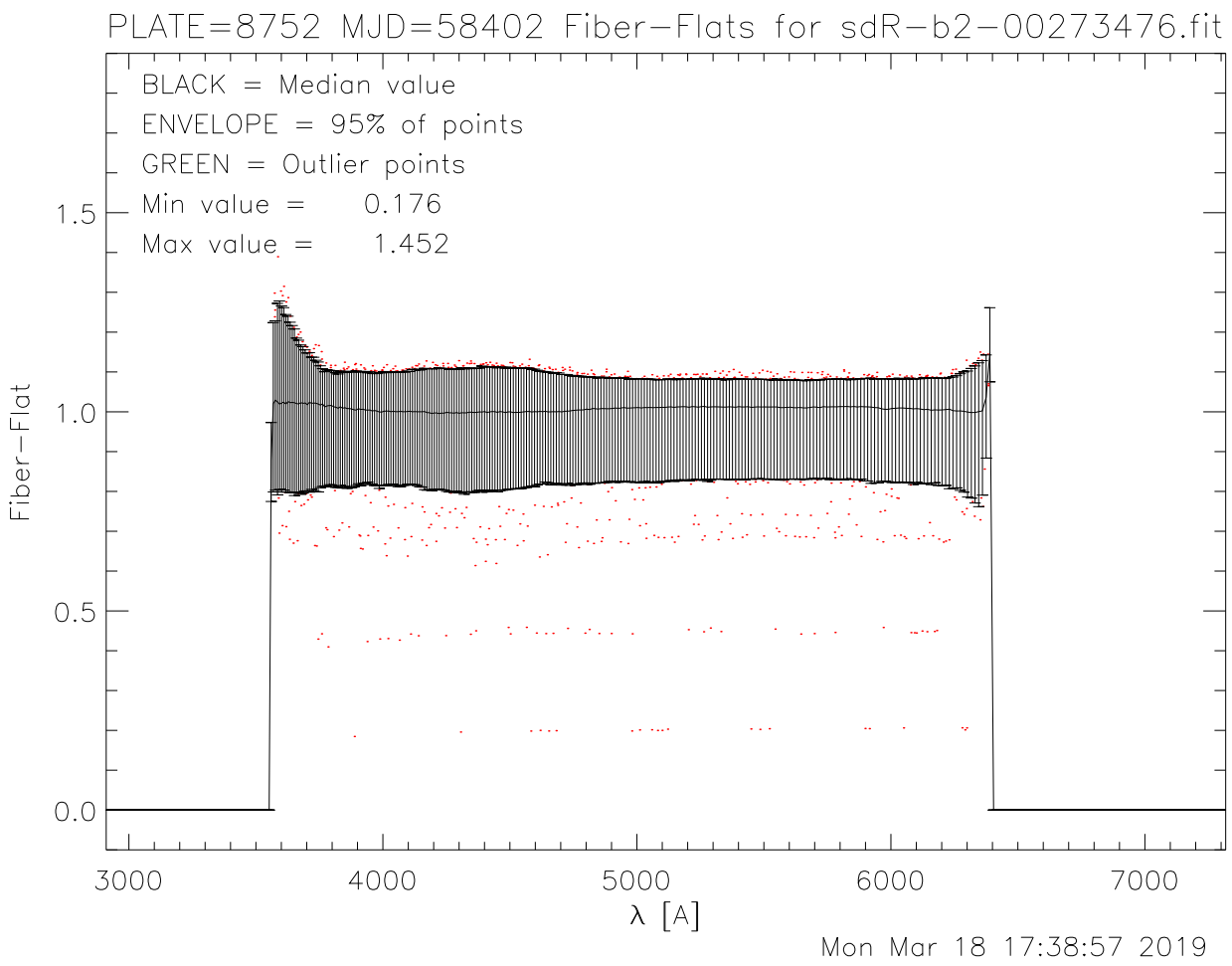

PLATE=8752 MJD=58402 sdR-b2-00273481.fit 2D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
300
200
100
0
-100
-200
-300
5570
5575
5580
5585
5590
λ [A]

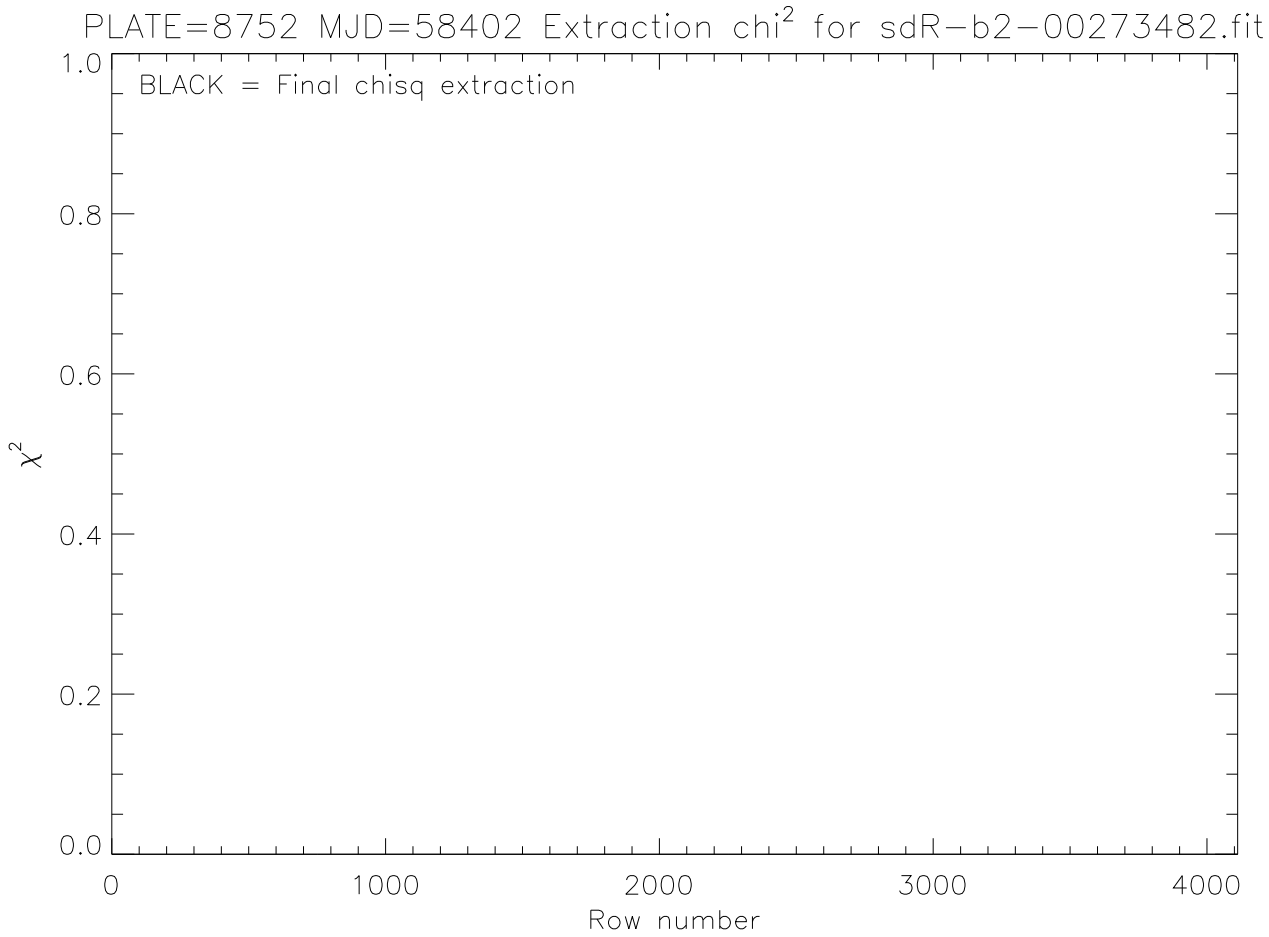
Number of sky fibers = 37

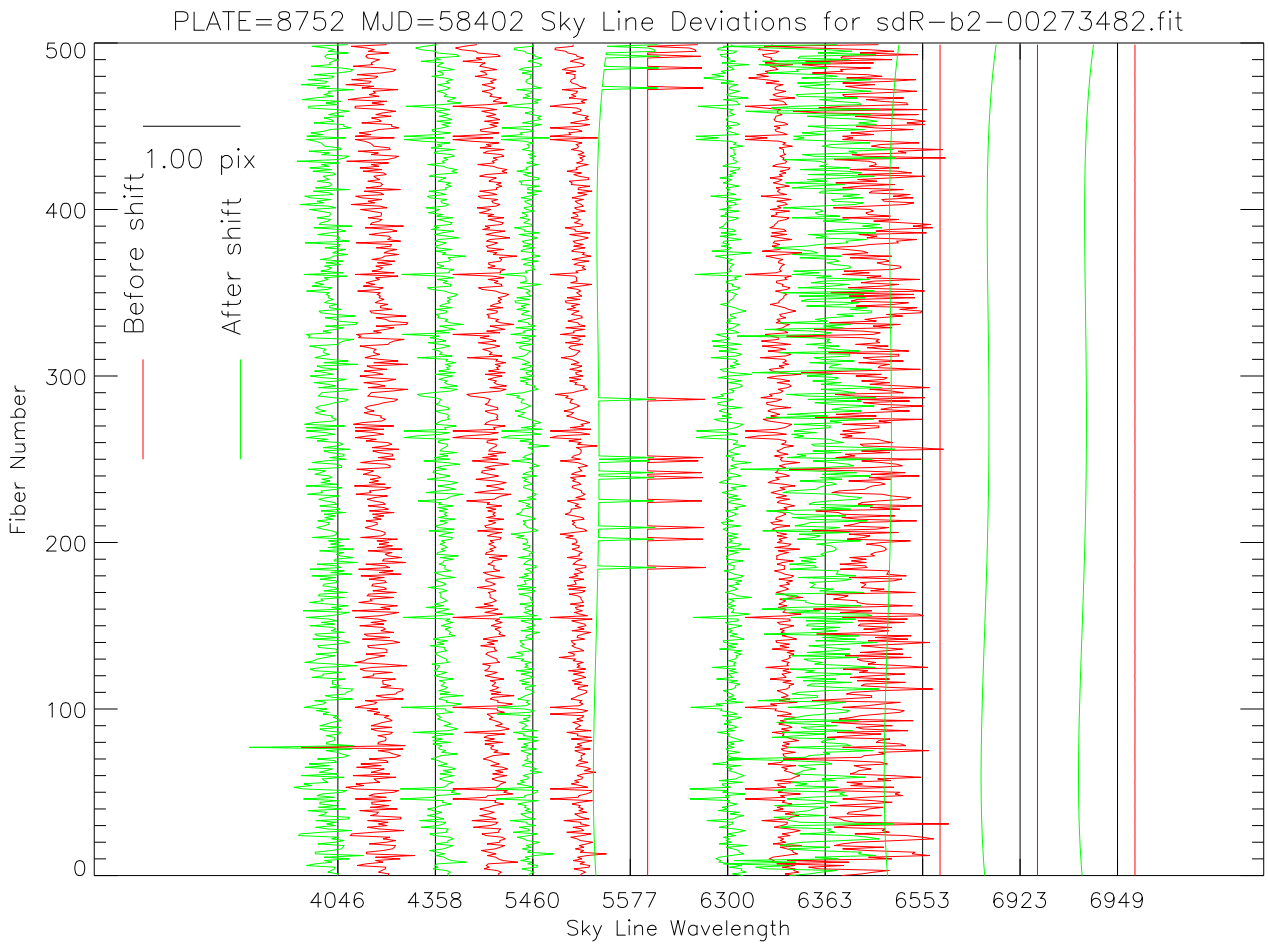


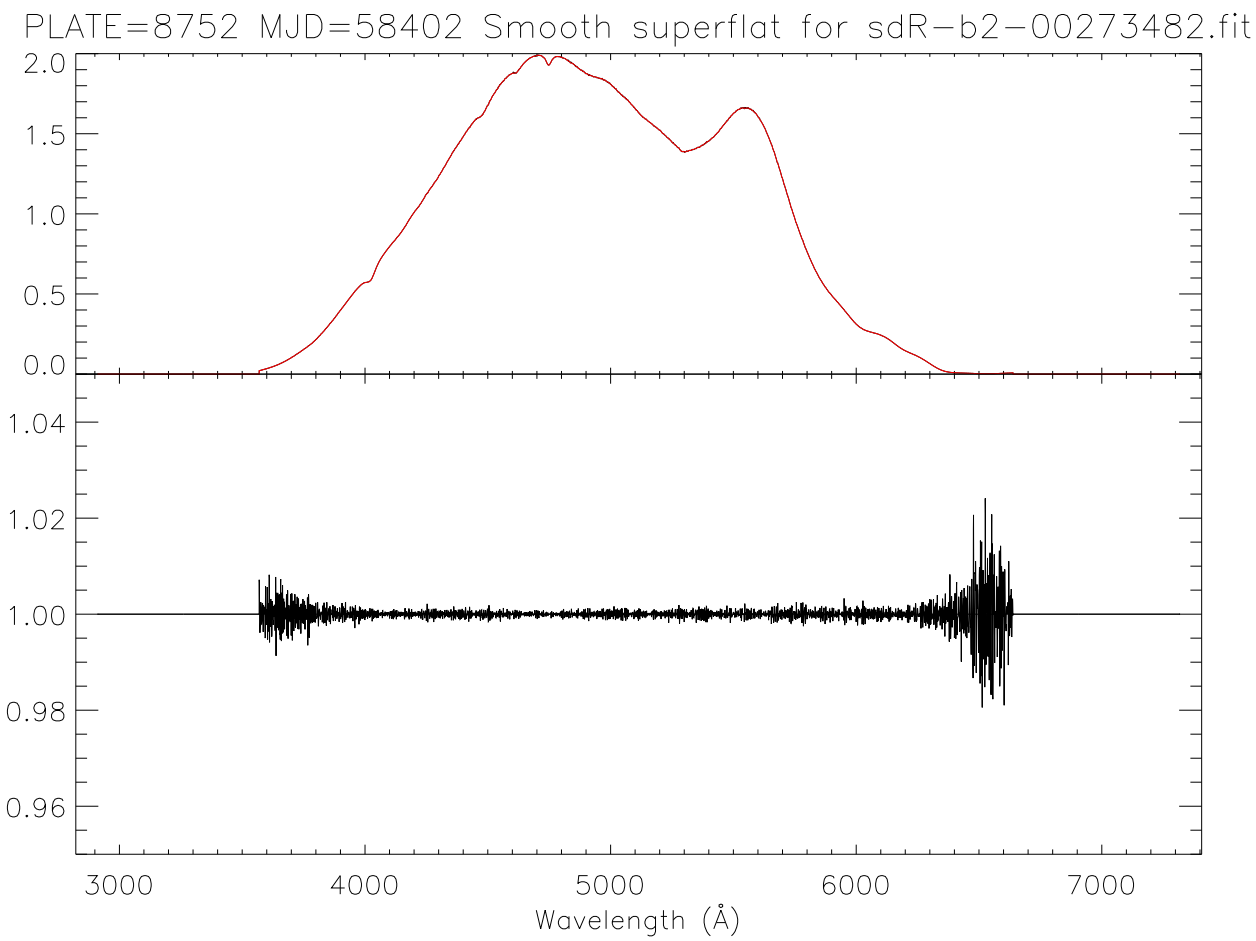

PLATE=8752 MJD=58402 sdR-b2-00273481.fit Skyline Flux at 4359.5
Flux (4359.5)/Airmass
RED = sky fiber
Dispersion = 18.67 %
Fiber number
Flux (4359.5)/Airmass
Focal Distance [mm]
Flux (4359.5)/Airmass
Airmass

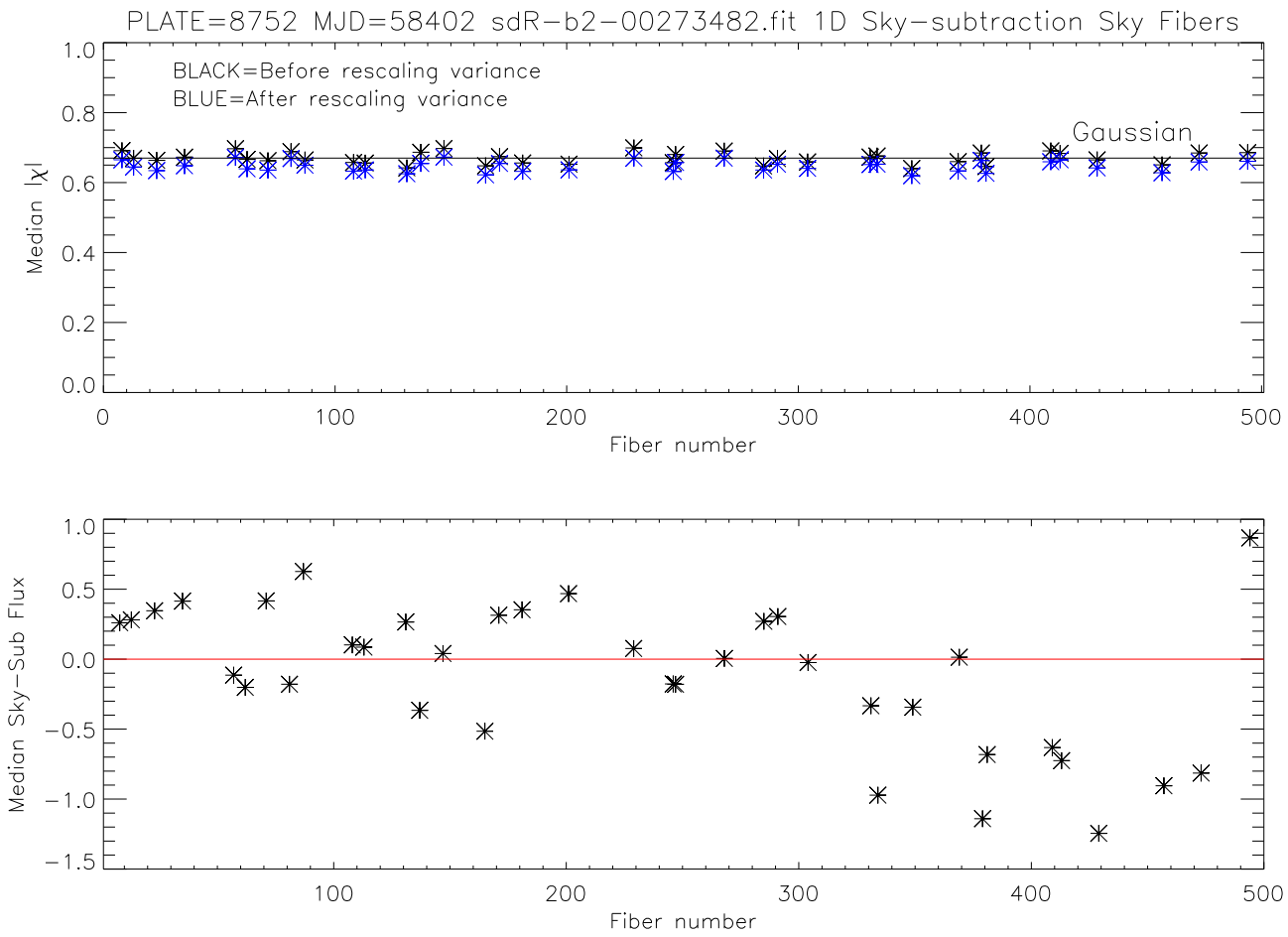

PLATE=8752 MJD=58402 sdR-b2-00273481.fit Skyline Flux at 5578.9
Flux (5578.9)/Airmass
Fiber number
sky fiber
Dispersion = 27.76 %
Focal Distance [mm]
Airmass

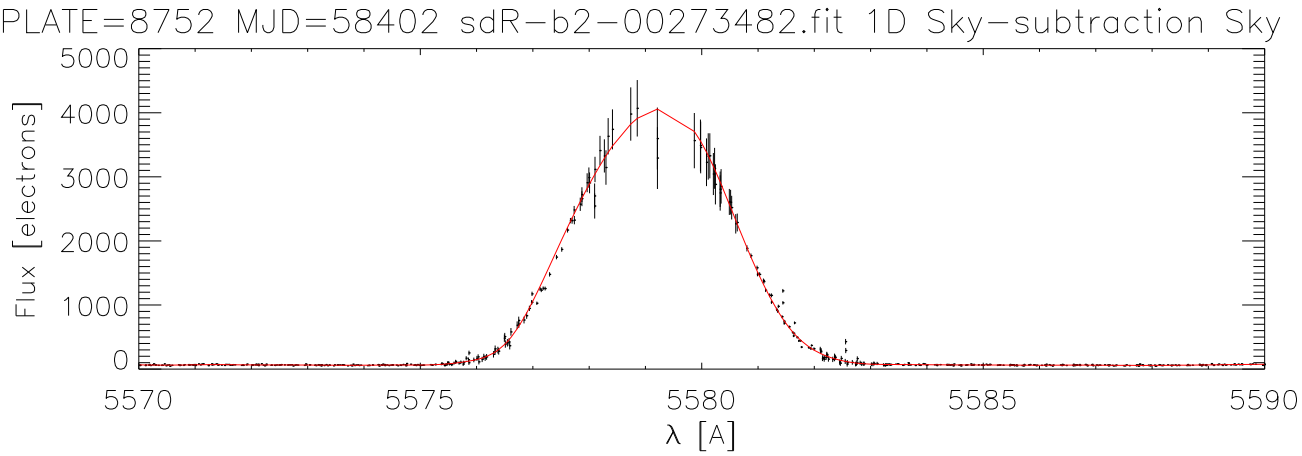

PLATE=8752 MJD=58402 Fiber-Flats for sdR-b2-00273476.fit
BLACK = Median value
ENVELOPE = 95% of points
GREEN = Outlier points
Min value = 0.176
Max value = 1.452
Fiber-Flat
1.5
1.0
0.5
0.0
3000
4000
5000
6000
7000
λ [A]
Mon Mar 18 17:38:57 2019

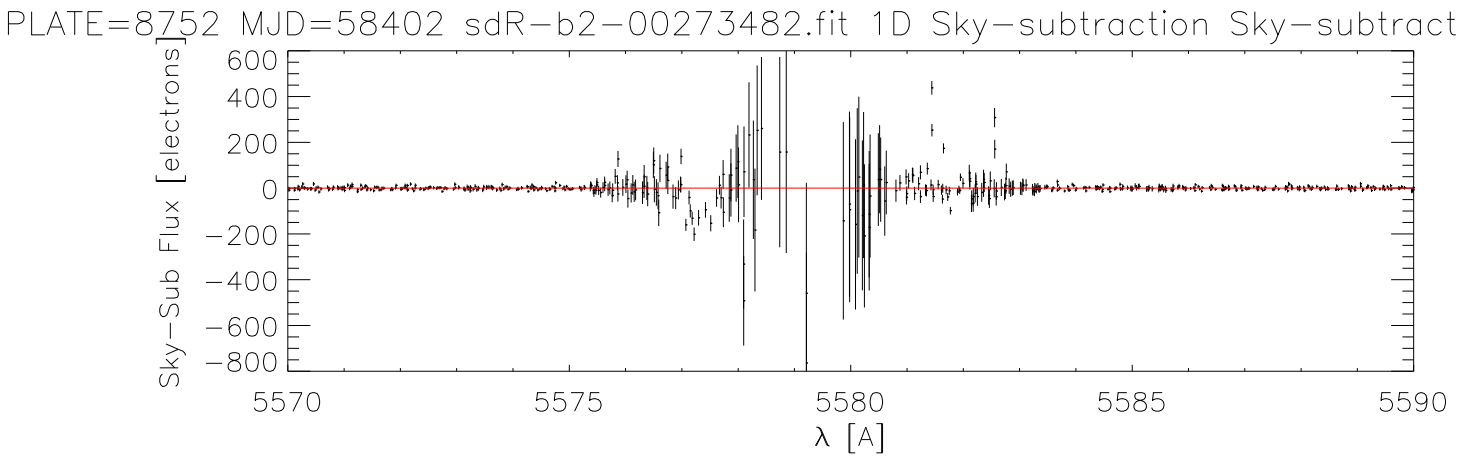

PLATE=8752 MJD=58402 Extraction chi^2 for sdR-b2-00273482.fit
BLACK = Final chisq extraction
χ^2
1.0
0.8
0.6
0.4
0.2
0.0
0
1000
2000
3000
4000
Row number


PLATE=8752 MJD=58402 Sky Line Deviations for sdR-b2-00273482.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

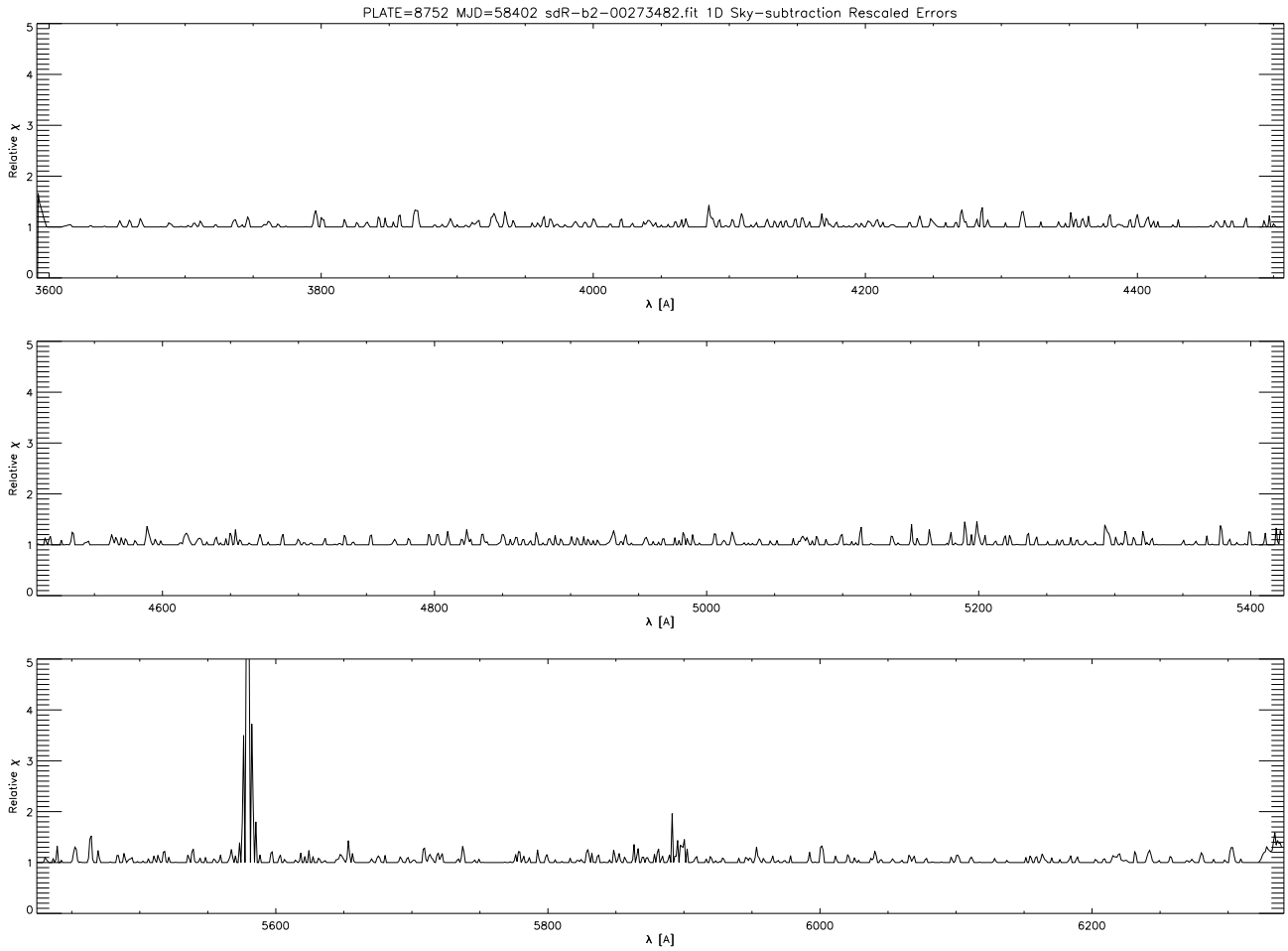

PLATE=8752 MJD=58402 Smooth superflat for sdR-b2-00273482.fit
2.0
1.5
1.0
0.5
0.0
1.04
1.02
1.00
0.98
0.96
3000
4000
5000
6000
7000
Wavelength (Å)

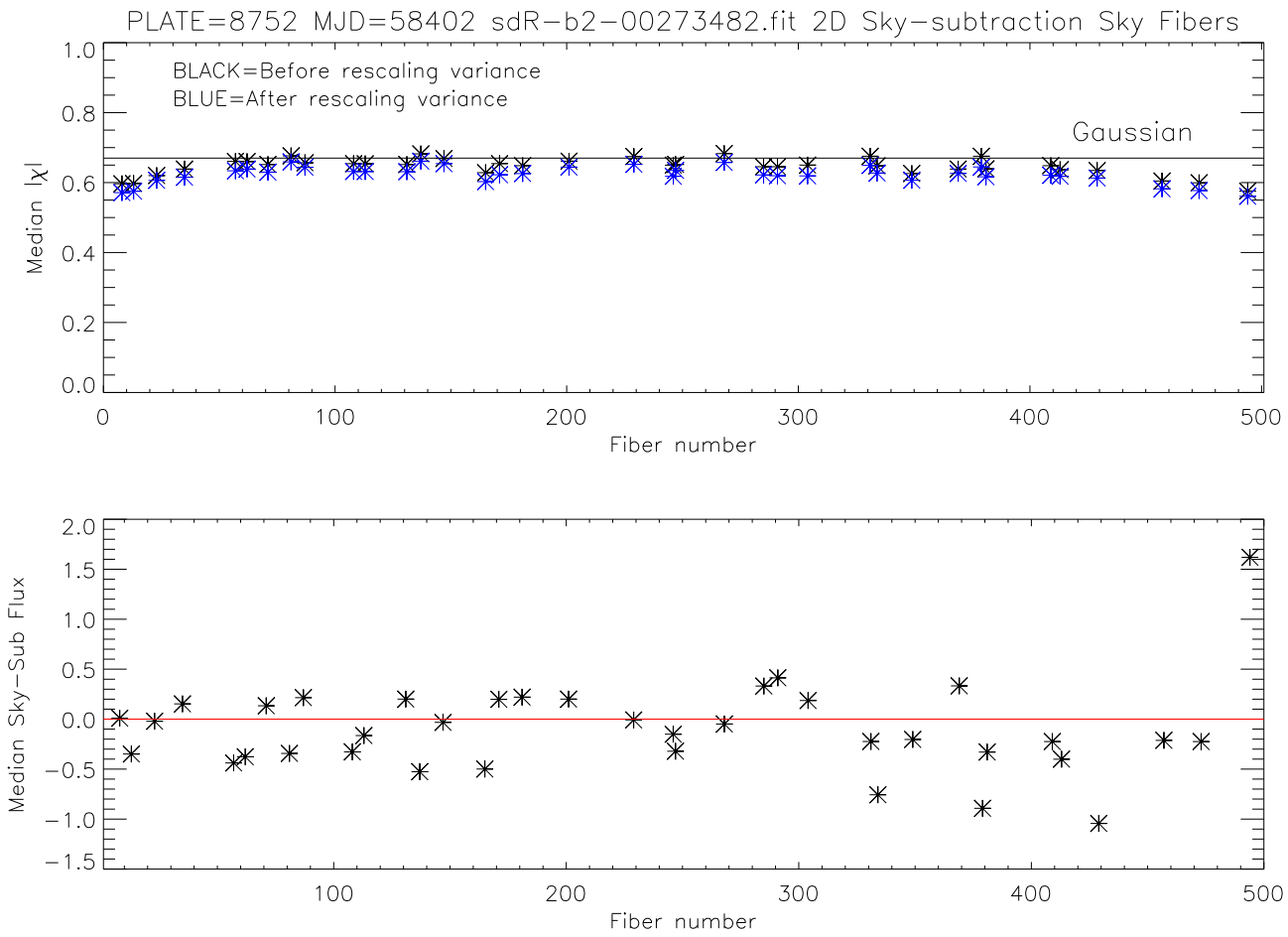

PLATE=8752 MJD=58402 sdR-b2-00273482.fit 1D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

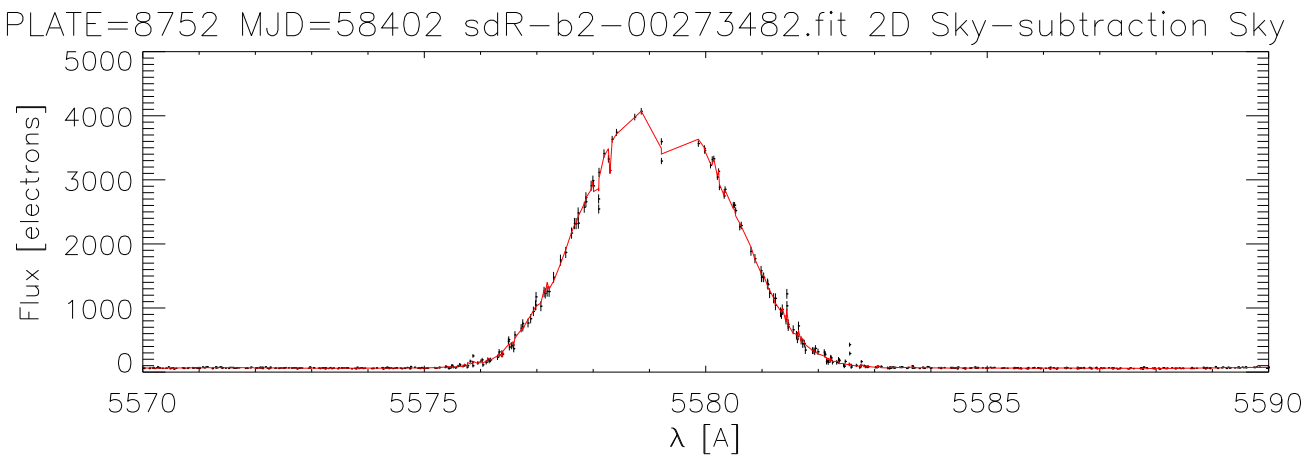

PLATE=8752 MJD=58402 sdR-b2-00273482.fit 1D Sky-subtraction Sky Fibers
Flux [electrons]
5000
4000
3000
2000
1000
0
5570
5575
5580
5585
5590
λ [A]

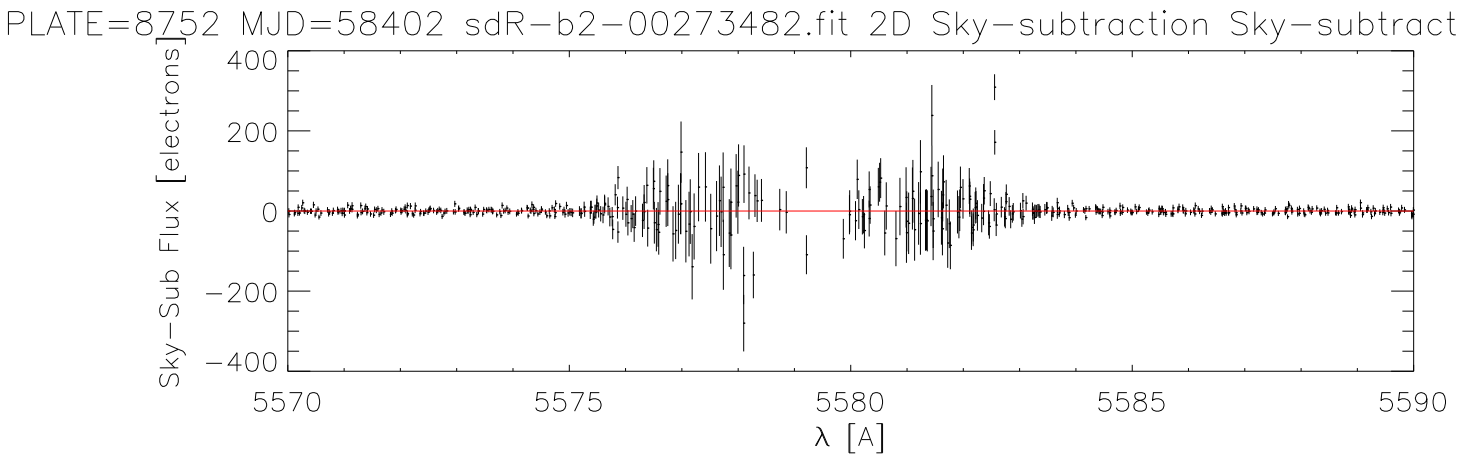

PLATE=8752 MJD=58402 sdR-b2-00273482.fit 1D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
600
400
200
0
-200
-400
-600
-800
5570
5575
5580
5585
5590
λ [A]

Number of sky fibers = 37

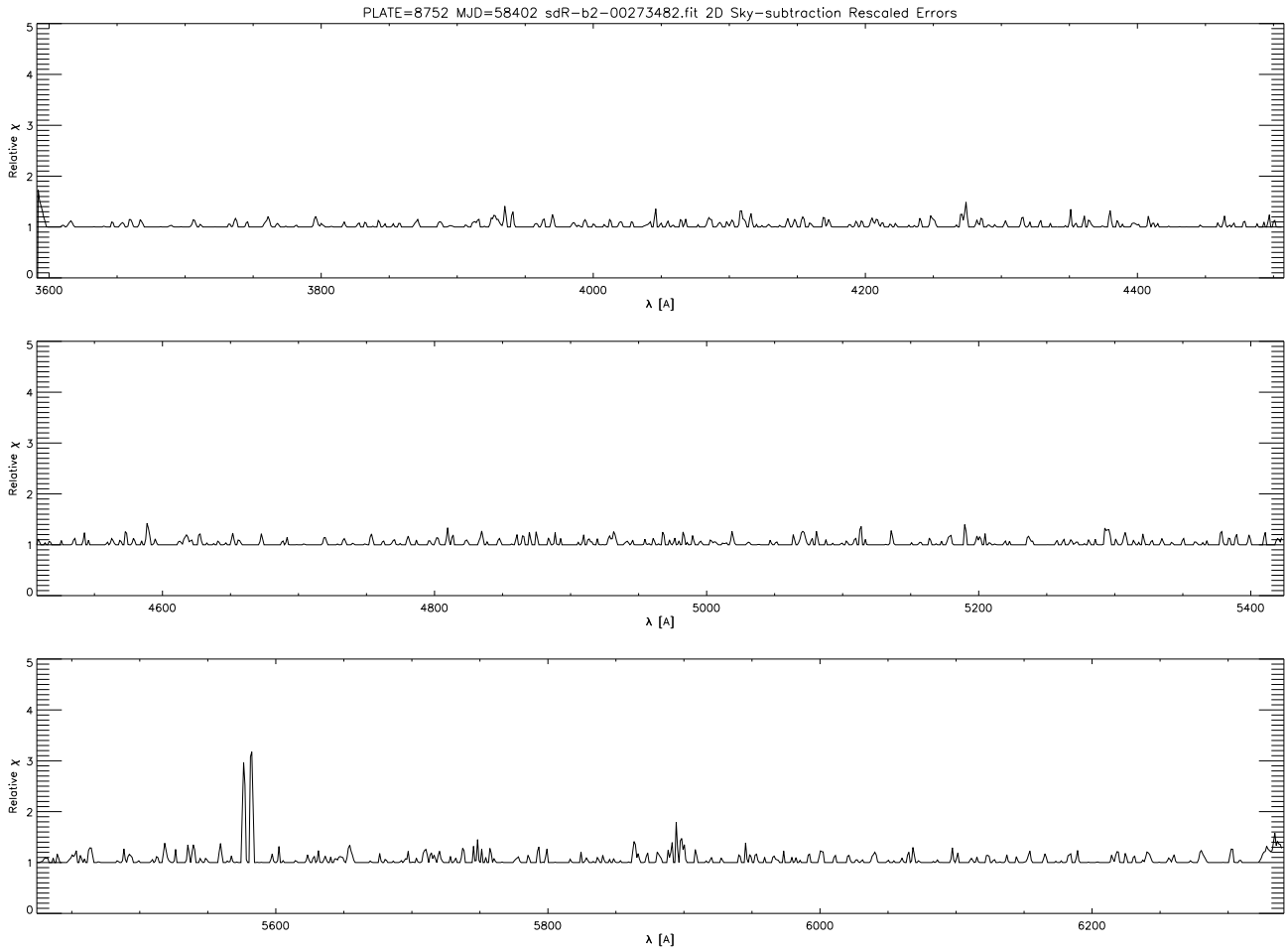


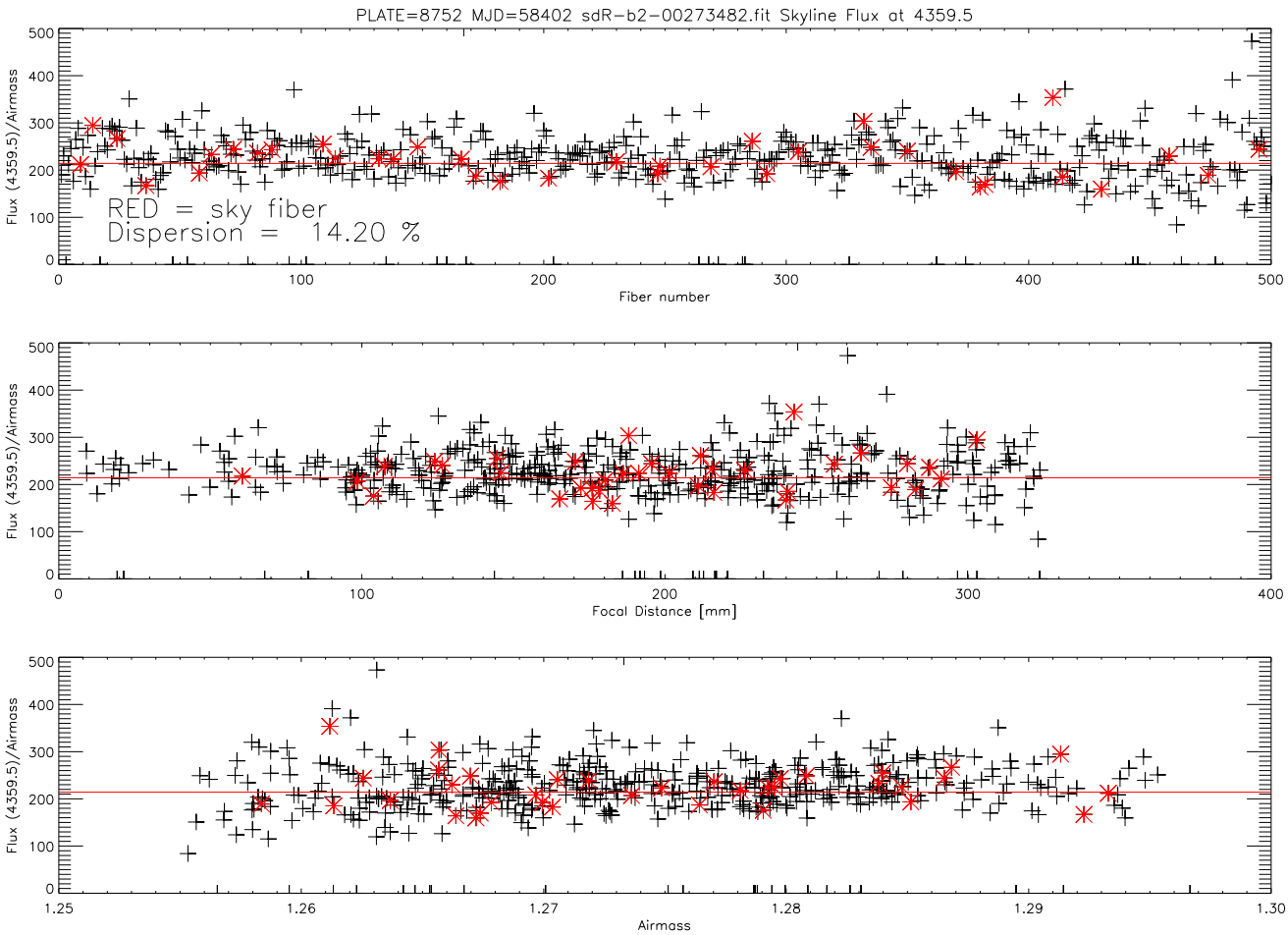

PLATE=8752 MJD=58402 sdR-b2-00273482.fit 2D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

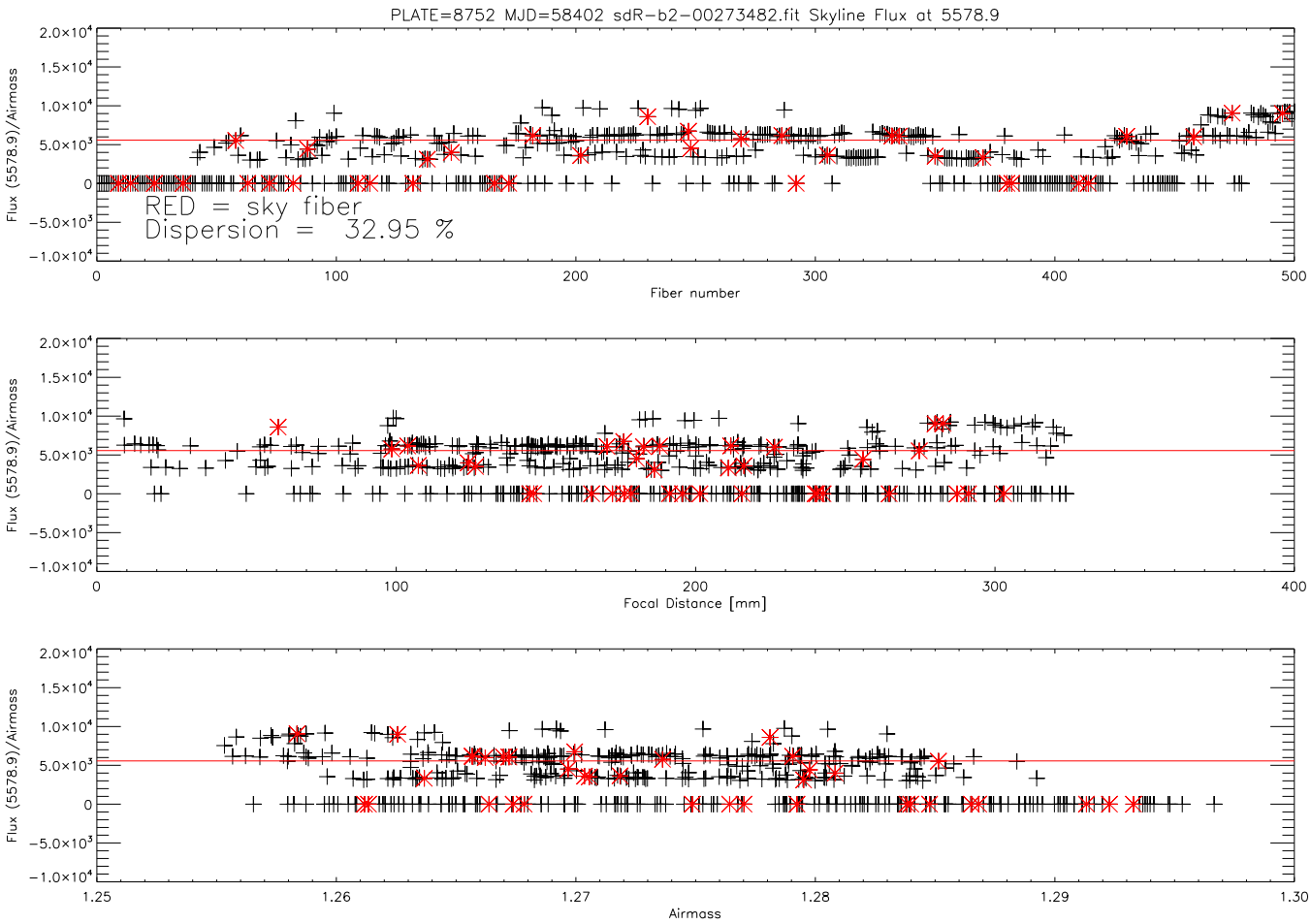

PLATE=8752 MJD=58402 sdR-b2-00273482.fit 2D Sky-subtraction Sky Fibers
Flux [electrons]
5000
4000
3000
2000
1000
0
5570
5575
5580
5585
5590
λ [A]


PLATE=8752 MJD=58402 sdR-b2-00273482.fit 2D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
400
200
0
-200
-400
5570
5575
5580
5585
5590
λ [A]

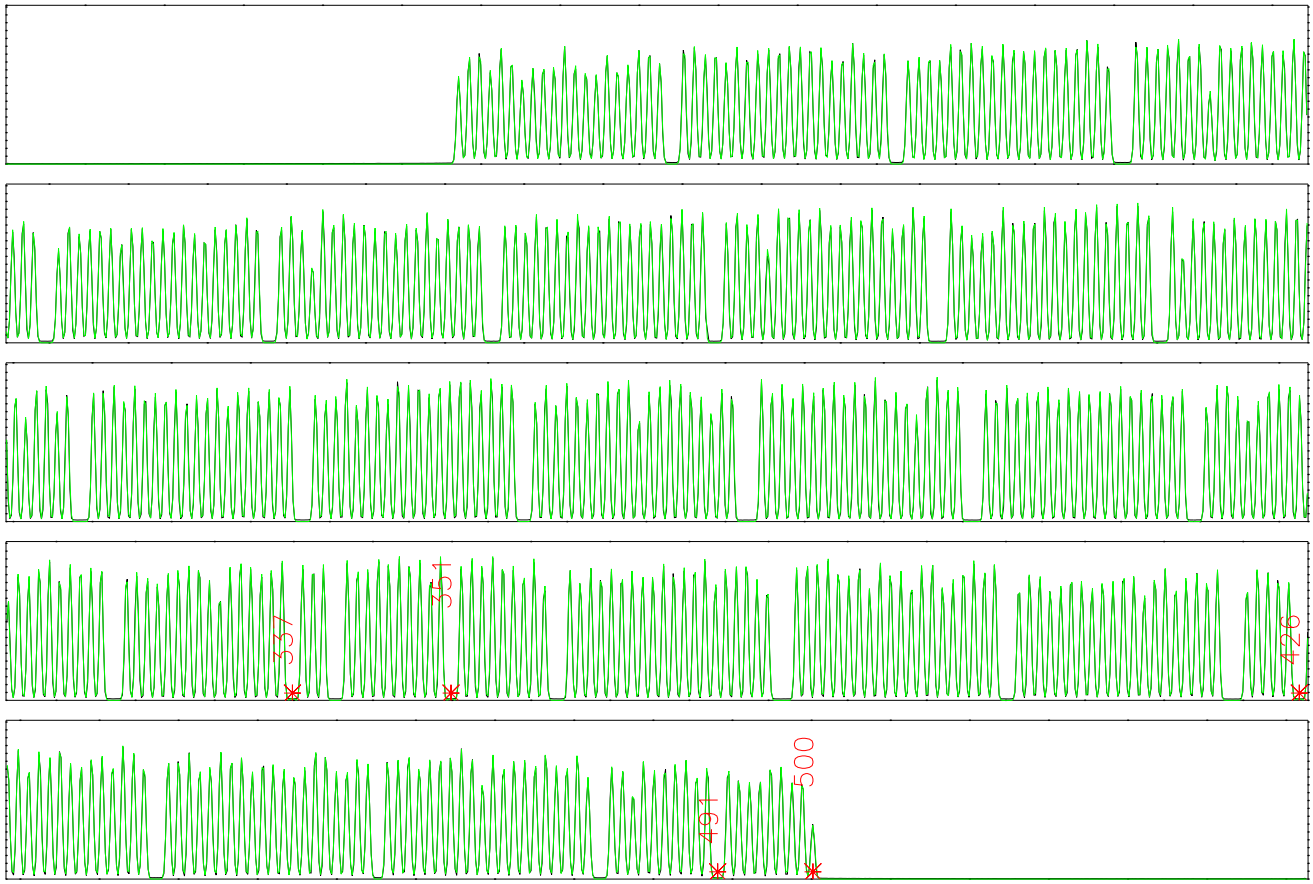
Number of sky fibers = 37

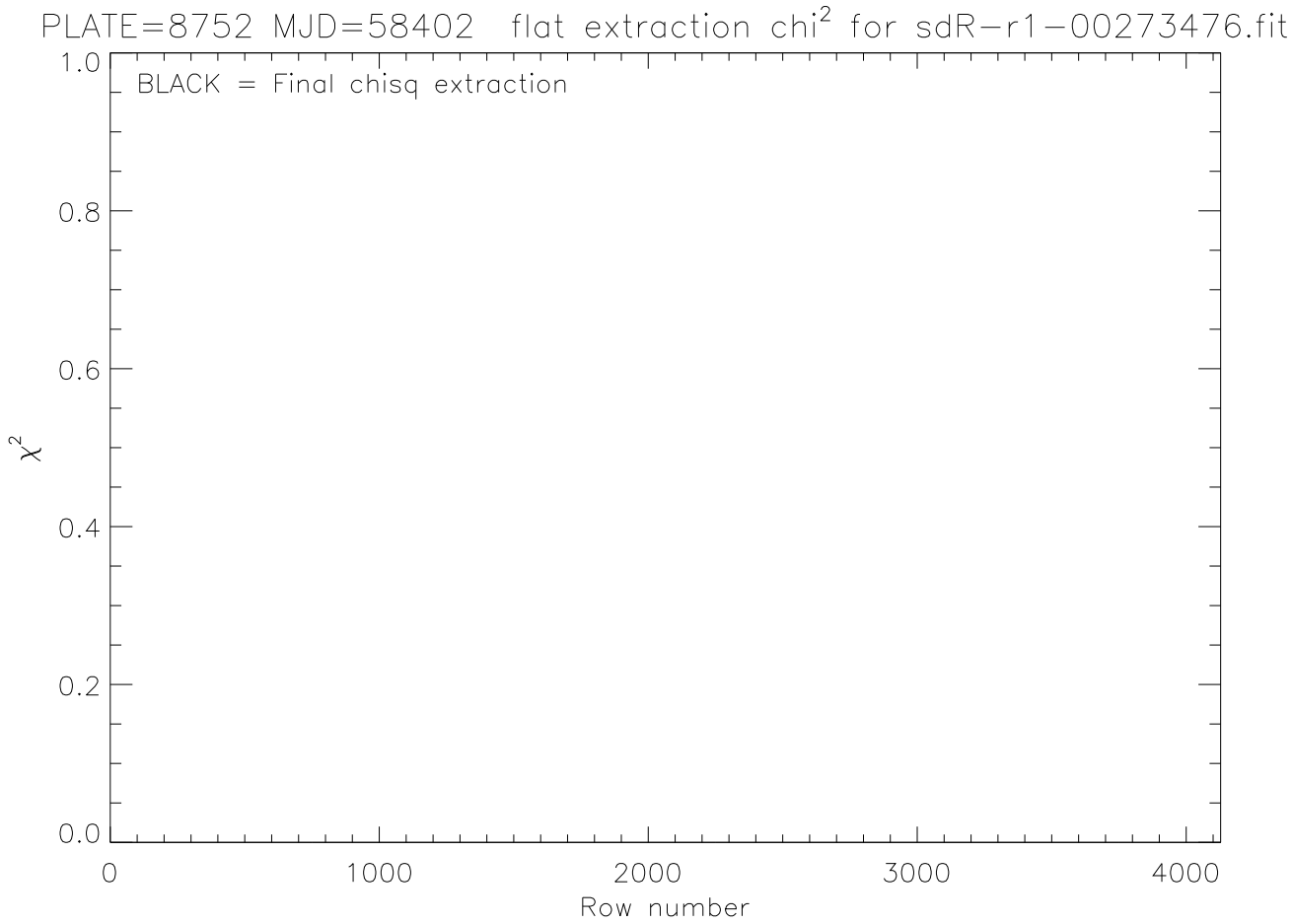


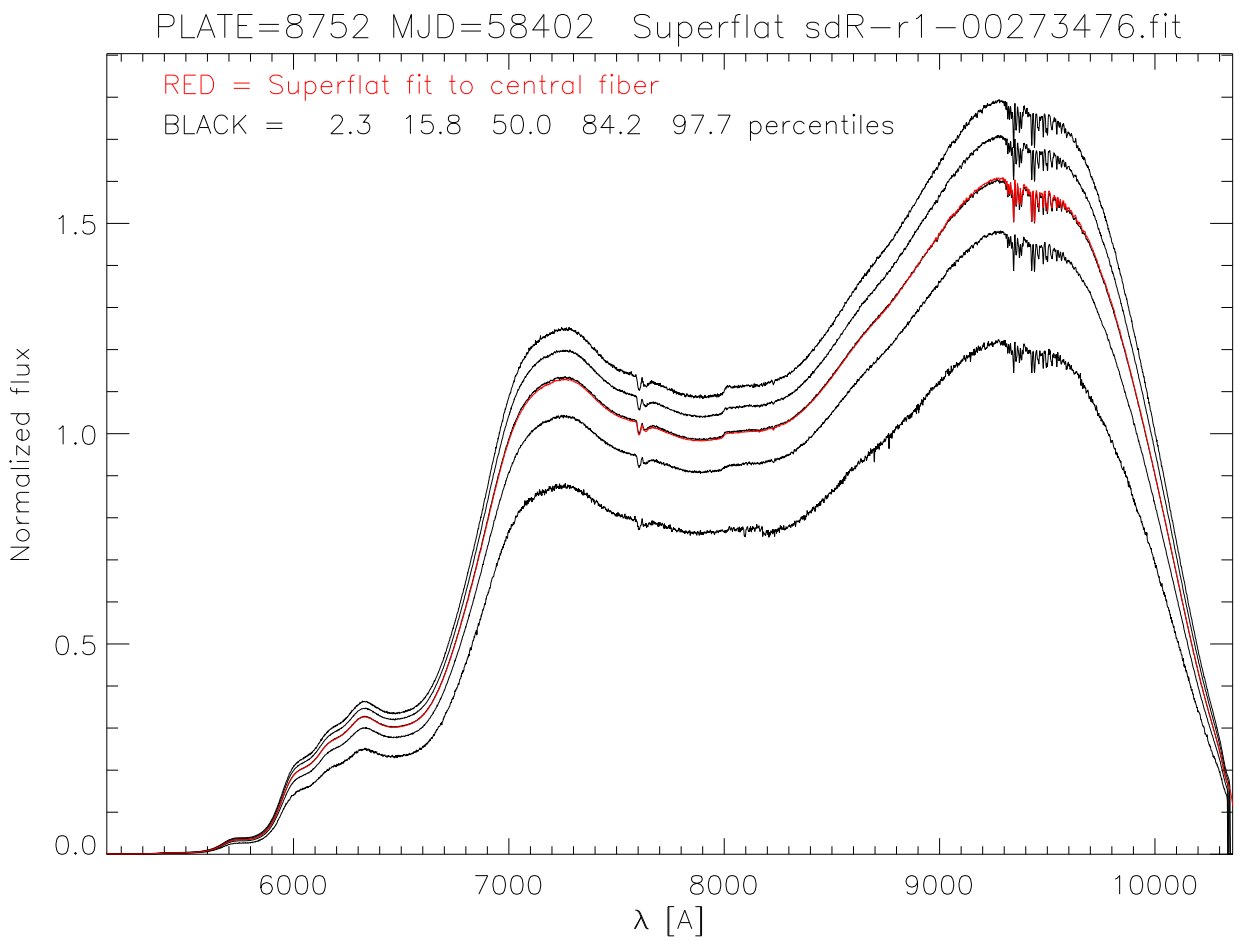

PLATE=8752 MJD=58402 sdR-b2-00273482.fit Skyline Flux at 4359.5
Flux (4359.5)/Airmass
RED = sky fiber
Dispersion = 14.20 %
Fiber number
Flux (4359.5)/Airmass
Focal Distance [mm]
Flux (4359.5)/Airmass
Airmass

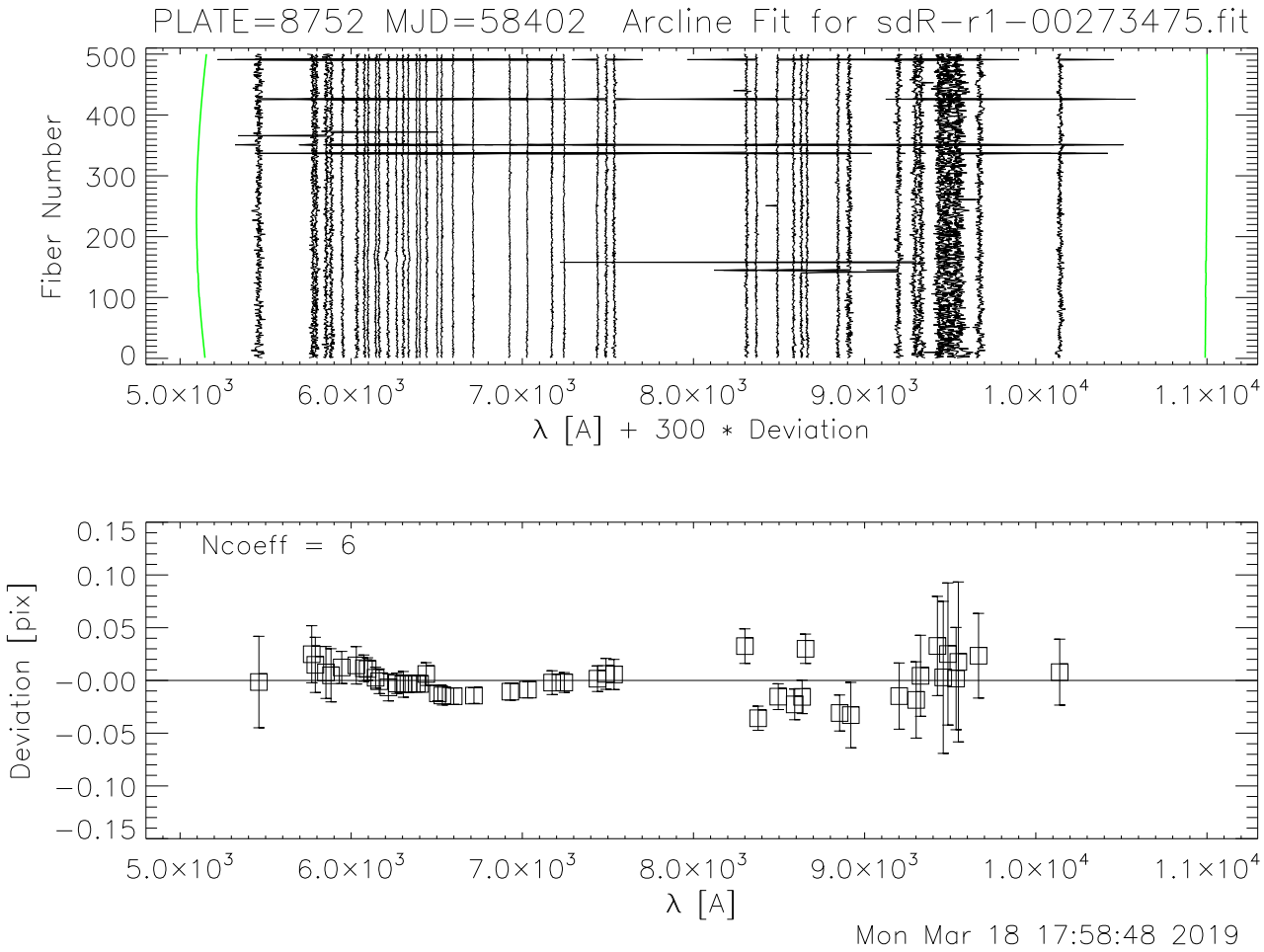

PLATE=8752 MJD=58402 sdR-b2-00273482.fit Skyline Flux at 5578.9
Flux (5578.9)/Airmass
RED = sky fiber
Dispersion = 32.95 %
Fiber number
Focal Distance [mm]
Airmass

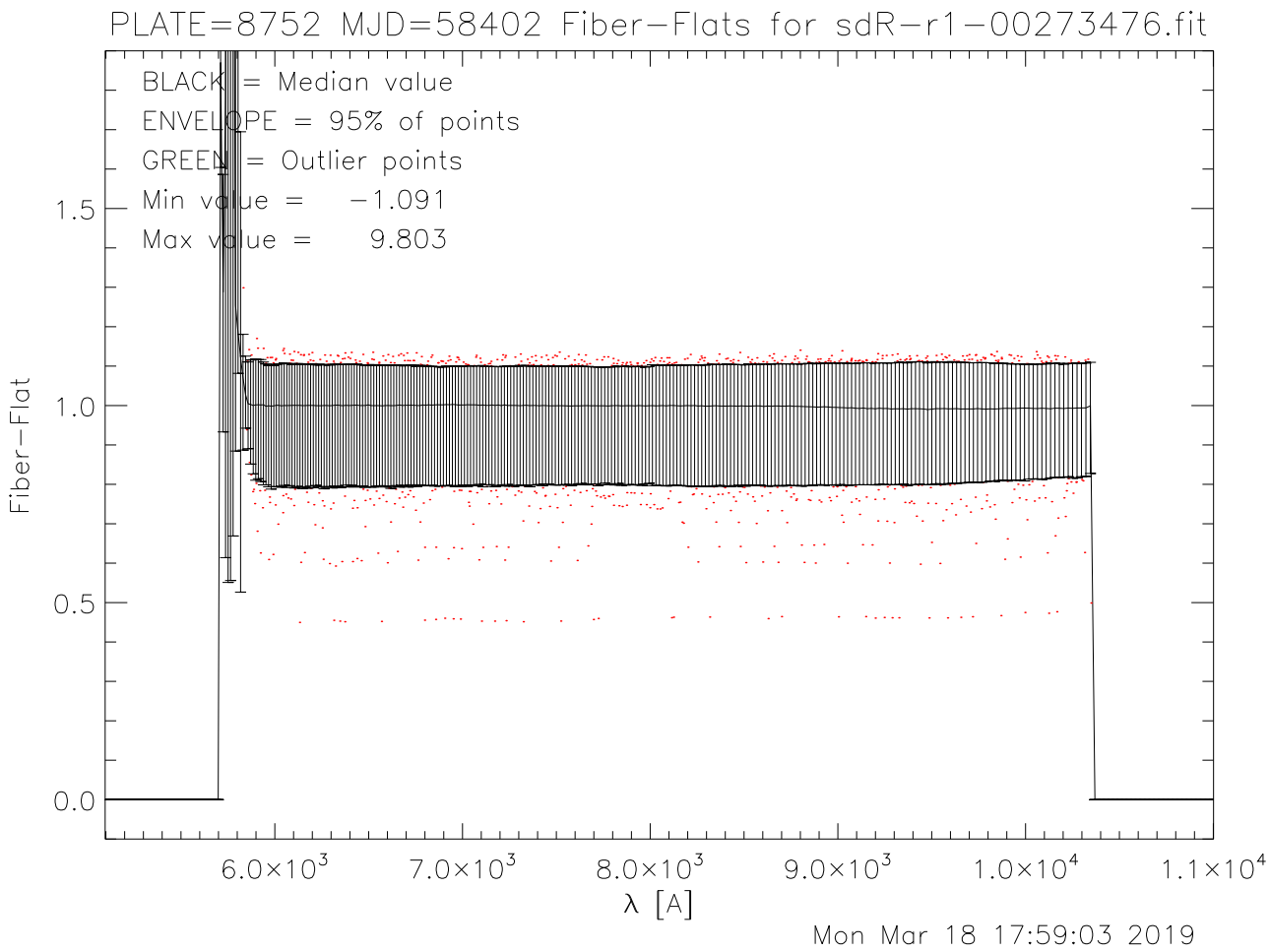
PLATE=8752 MJD=58402 Traces sdR-r1-00273476.fit

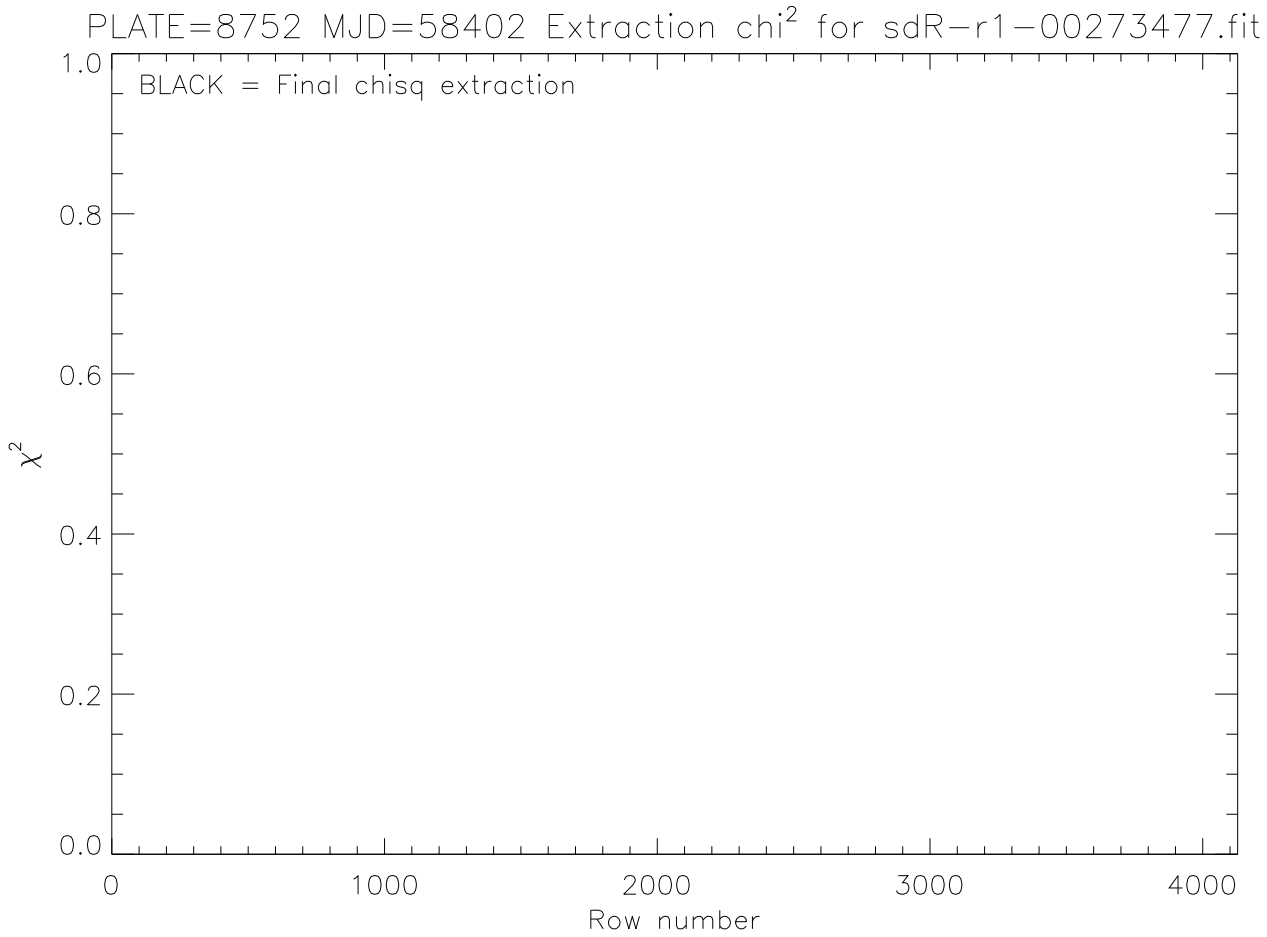


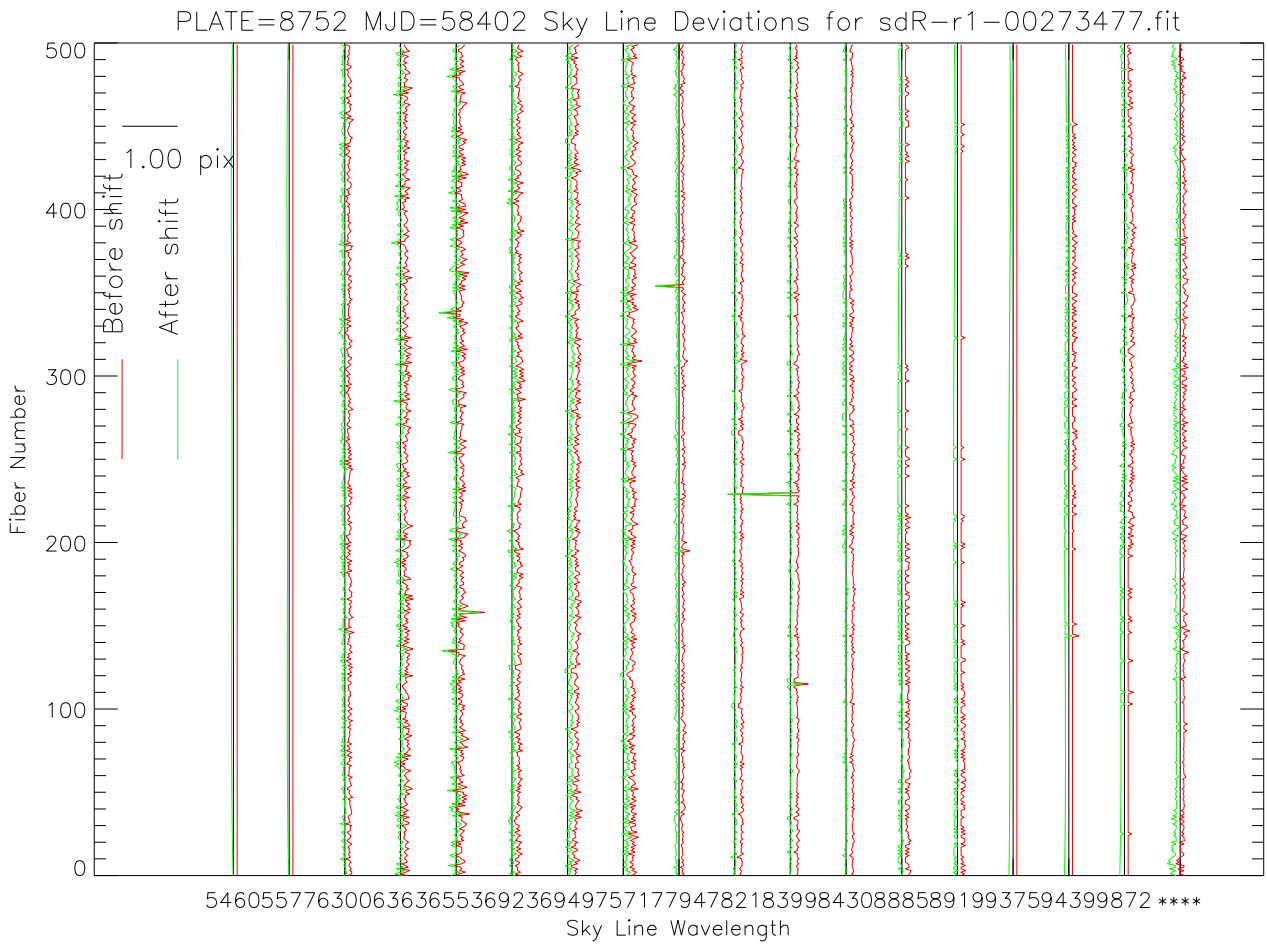

PLATE=8752 MJD=58402 flat extraction chi^2 for sdR−r1−00273476.fit
BLACK = Final chisq extraction
1.0
0.8
0.6
0.4
0.2
0.0
χ^2
0
1000
2000
3000
4000
Row number

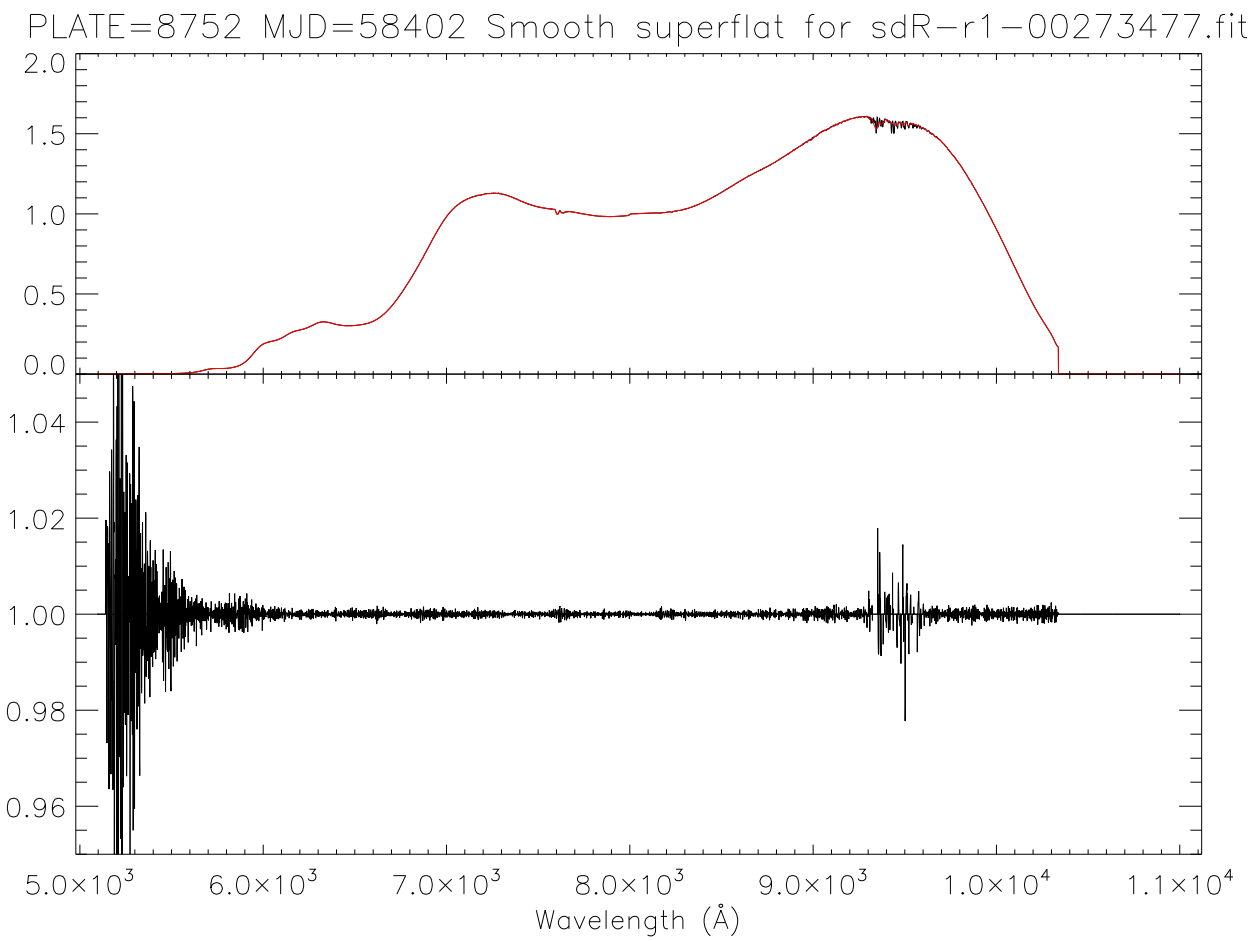

PLATE=8752 MJD=58402 Superflat sdR-r1-00273476.fit
RED = Superflat fit to central fiber
BLACK = 2.3 15.8 50.0 84.2 97.7 percentiles
Normalized flux
0.0
0.5
1.0
1.5
6000
7000
8000
9000
10000
λ [A]

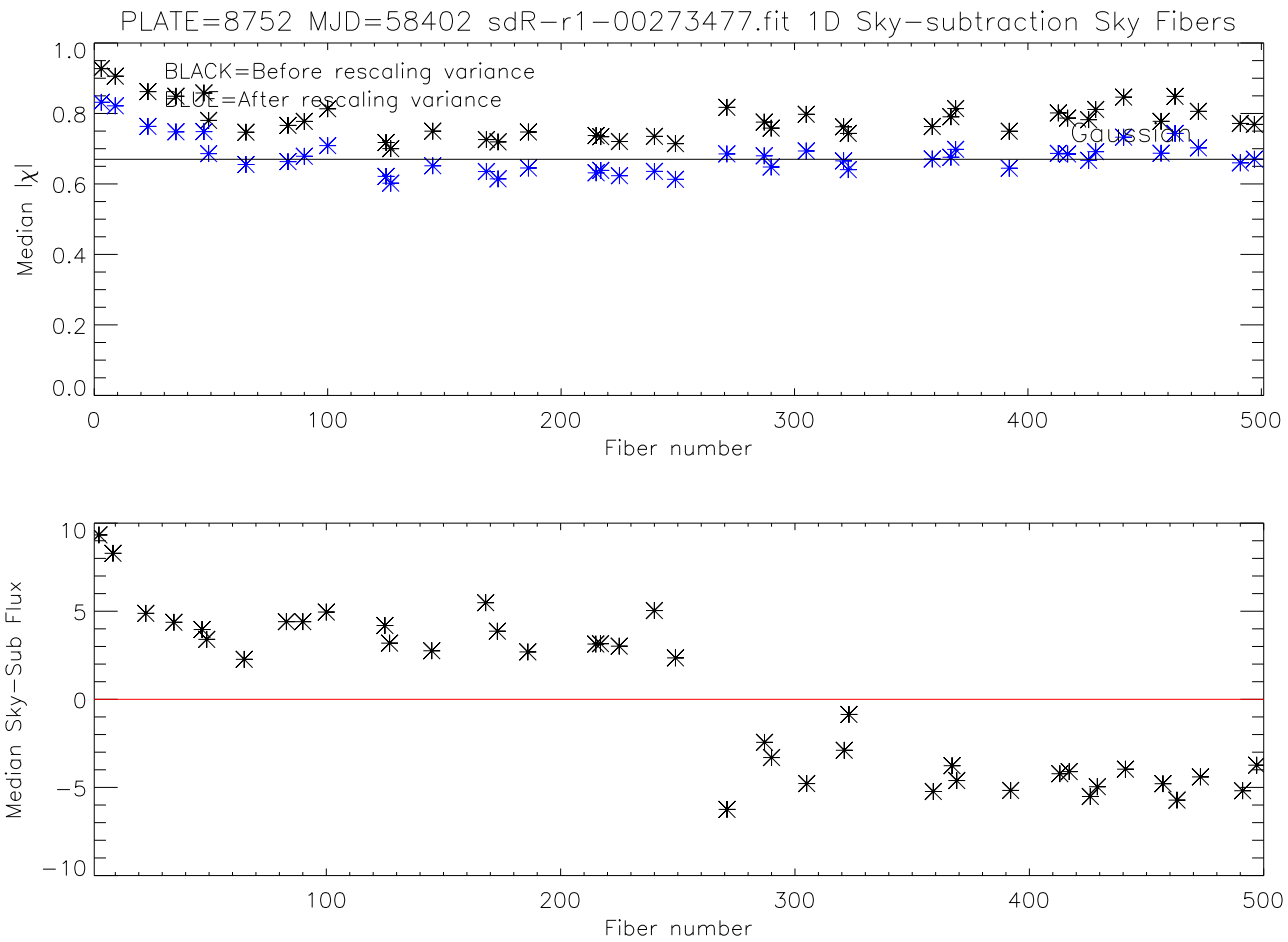

PLATE=8752 MJD=58402 Arcline Fit for sdR-r1-00273475.fit
Fiber Number
500
400
300
200
100
0
5.0×10^3
6.0×10^3
7.0×10^3
8.0×10^3
9.0×10^3
1.0×10^4
1.1×10^4
λ [A] + 300 * Deviation
Ncoeff = 6
Deviation [pix]
0.15
0.10
0.05
−0.00
−0.05
−0.10
−0.15
λ [A]
Mon Mar 18 17:58:48 2019

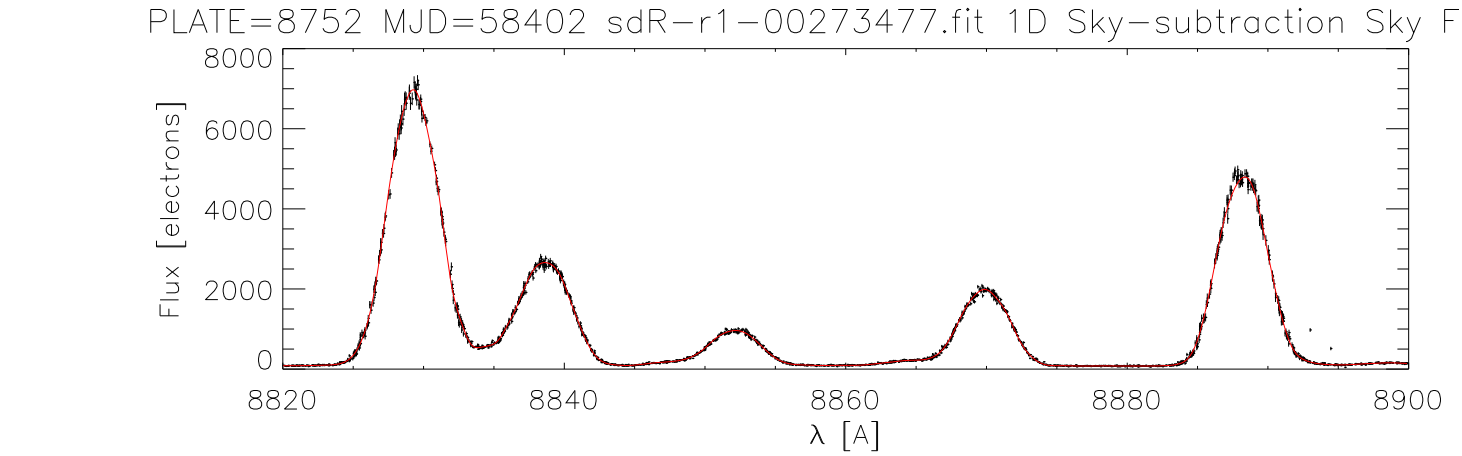

PLATE=8752 MJD=58402 Fiber−Flats for sdR−r1−00273476.fit
BLACK = Median value
ENVELOPE = 95% of points
GREEN = Outlier points
Min value = −1.091
Max value = 9.803
Fiber−Flat
1.5
1.0
0.5
0.0
6.0×10^3
7.0×10^3
8.0×10^3
9.0×10^3
1.0×10^4
1.1×10^4
λ [A]
Mon Mar 18 17:59:03 2019

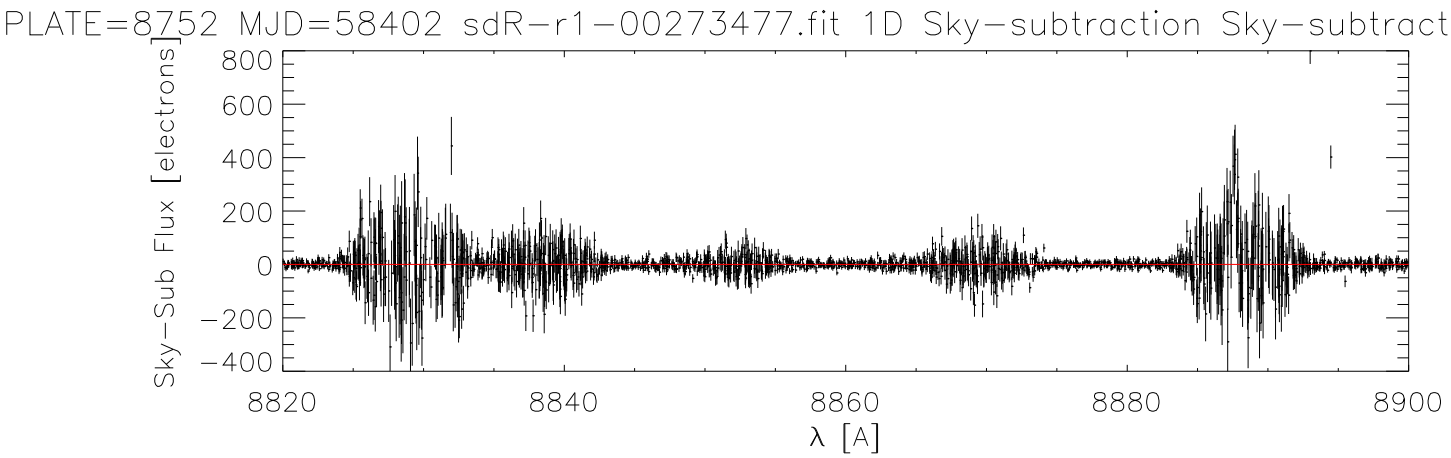

PLATE=8752 MJD=58402 Extraction chi^2 for sdR−r1−00273477.fit
BLACK = Final chisq extraction
χ^2
1.0
0.8
0.6
0.4
0.2
0.0
0
1000
2000
3000
4000
Row number


PLATE=8752 MJD=58402 Sky Line Deviations for sdR-r1-00273477.fit
500
400
300
200
100
0
Fiber Number
1.00 pix
Before shift
After shift
5460557763006363655369236949757177947821839984308885891993759439987 2 ****
Sky Line Wavelength

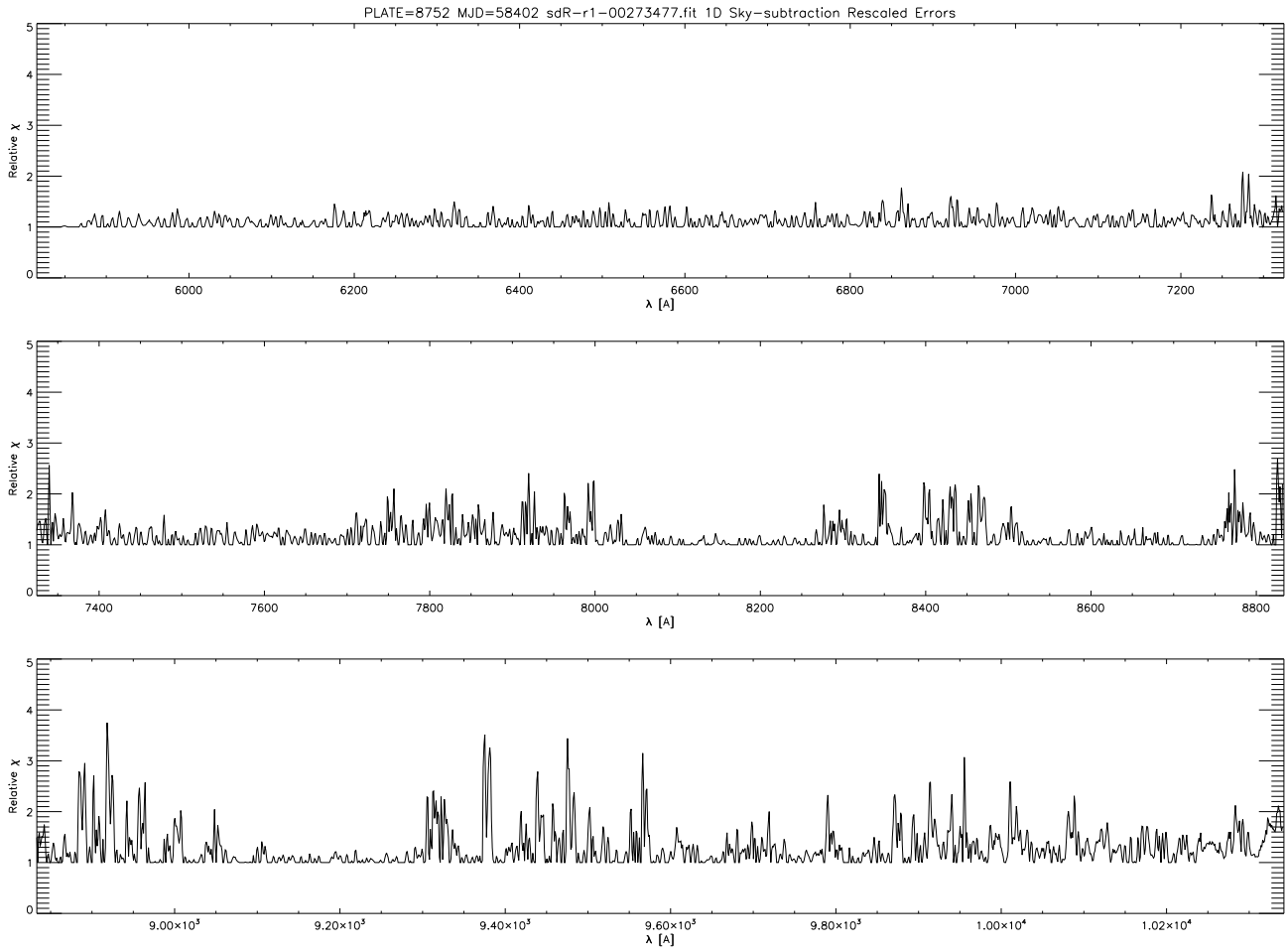

PLATE=8752 MJD=58402 Smooth superflat for sdR-r1-00273477.fit
2.0
1.5
1.0
0.5
0.0
1.04
1.02
1.00
0.98
0.96
5.0×10^3
6.0×10^3
7.0×10^3
8.0×10^3
9.0×10^3
1.0×10^4
1.1×10^4
Wavelength (Å)

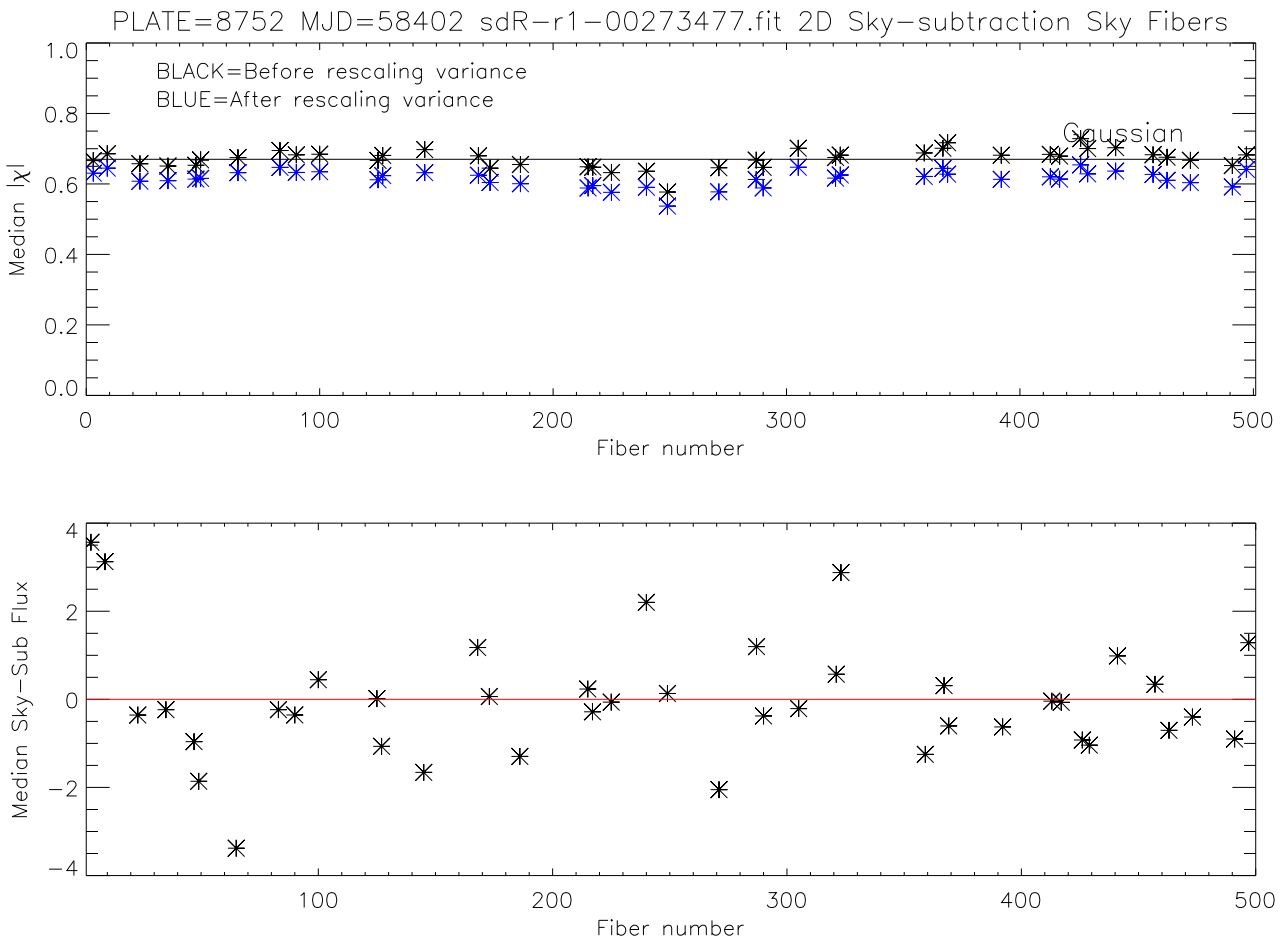

PLATE=8752 MJD=58402 sdR-r1-00273477.fit 1D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

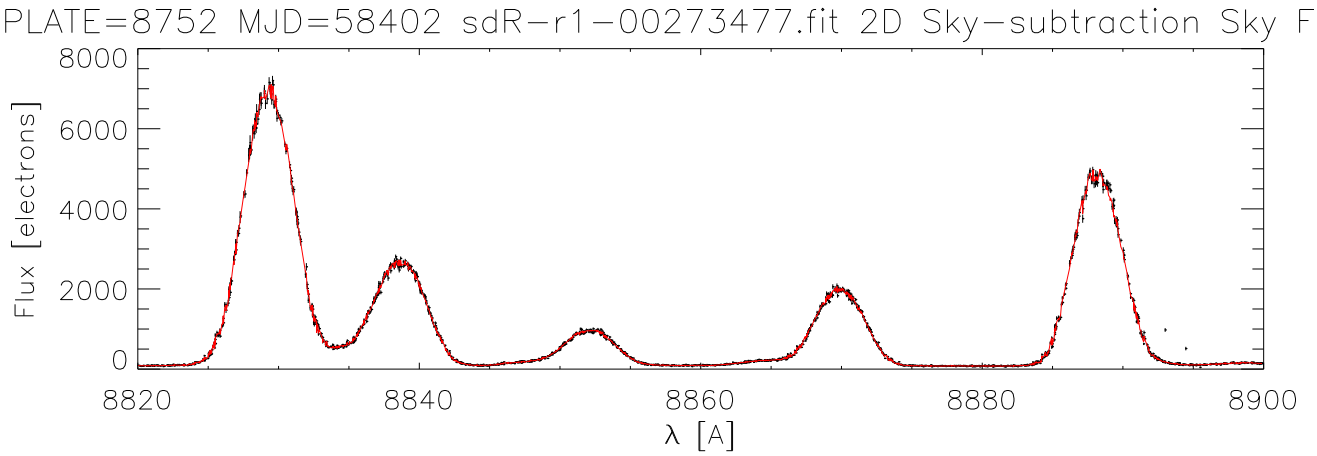

PLATE=8752 MJD=58402 sdR-r1-00273477.fit 1D Sky-subtraction Sky Fibers
Flux [electrons]
8000
6000
4000
2000
0
8820
8840
8860
8880
8900
λ [A]

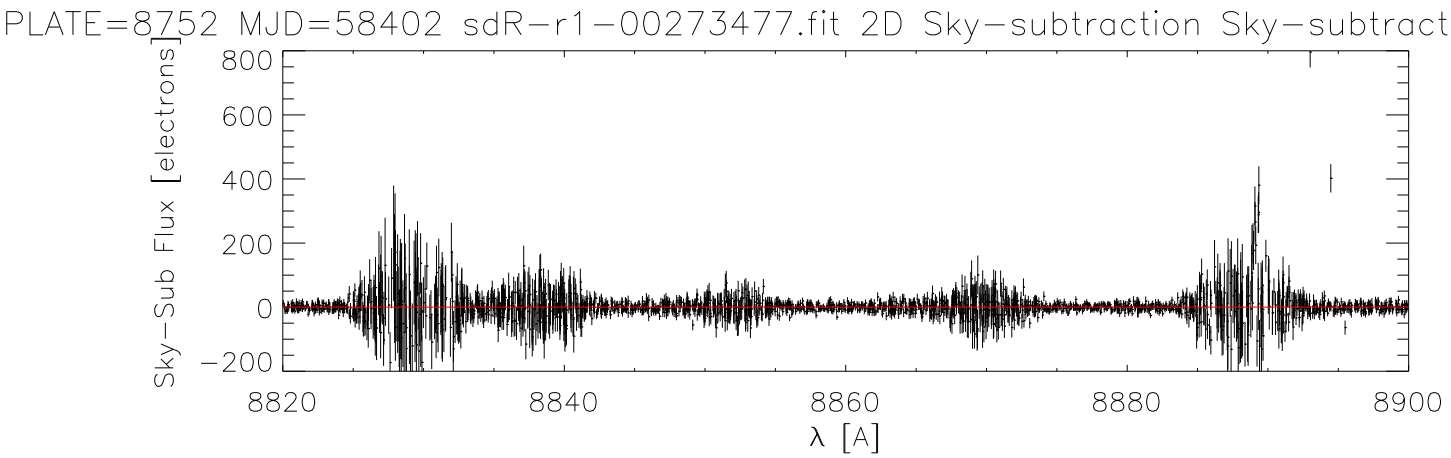

PLATE=8752 MJD=58402 sdR-r1-00273477.fit 1D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
800
600
400
200
0
-200
-400
8820
8840
8860
8880
8900
λ [A]

Number of sky fibers = 41

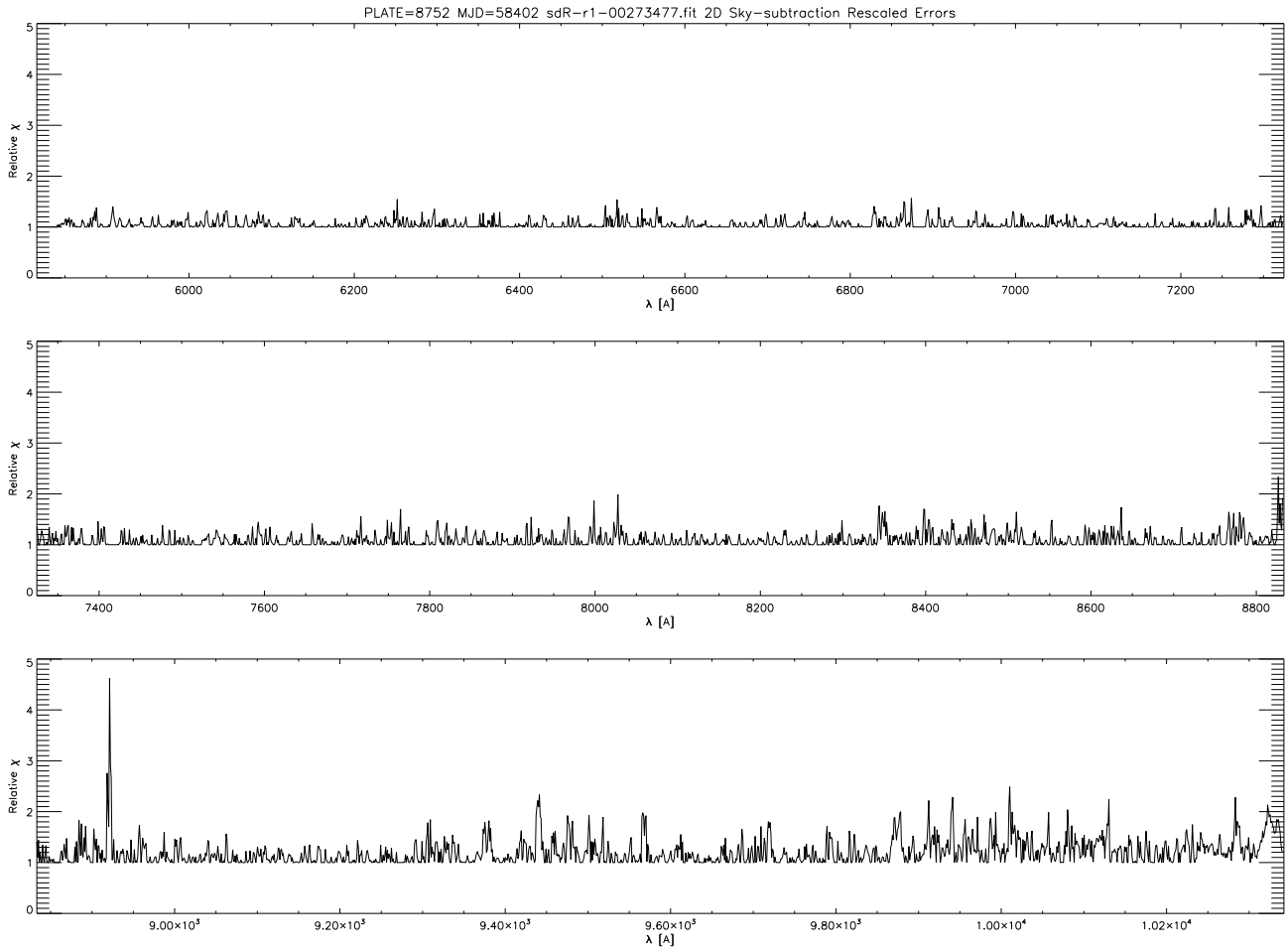


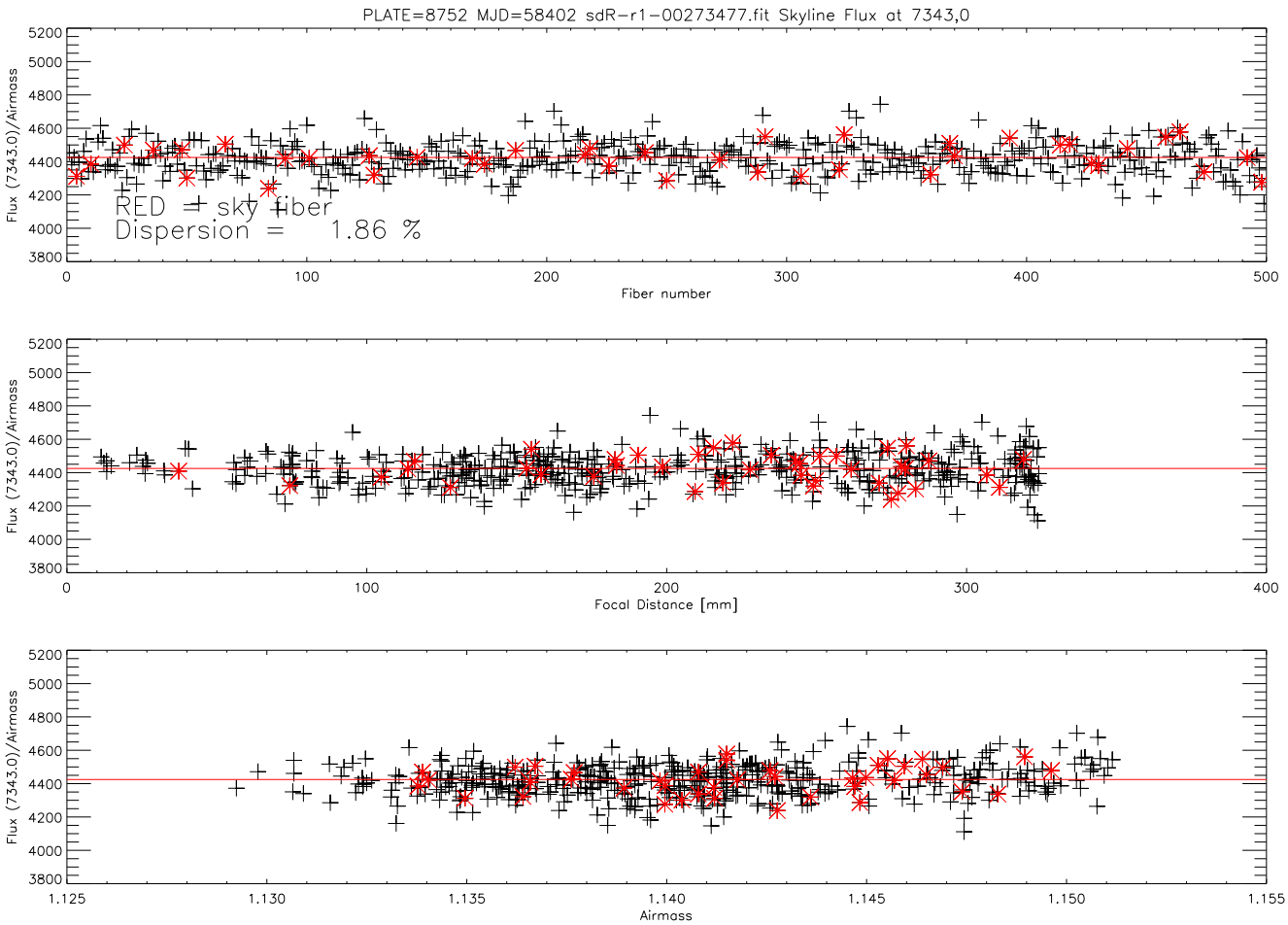

PLATE=8752 MJD=58402 sdR-r1-00273477.fit 2D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

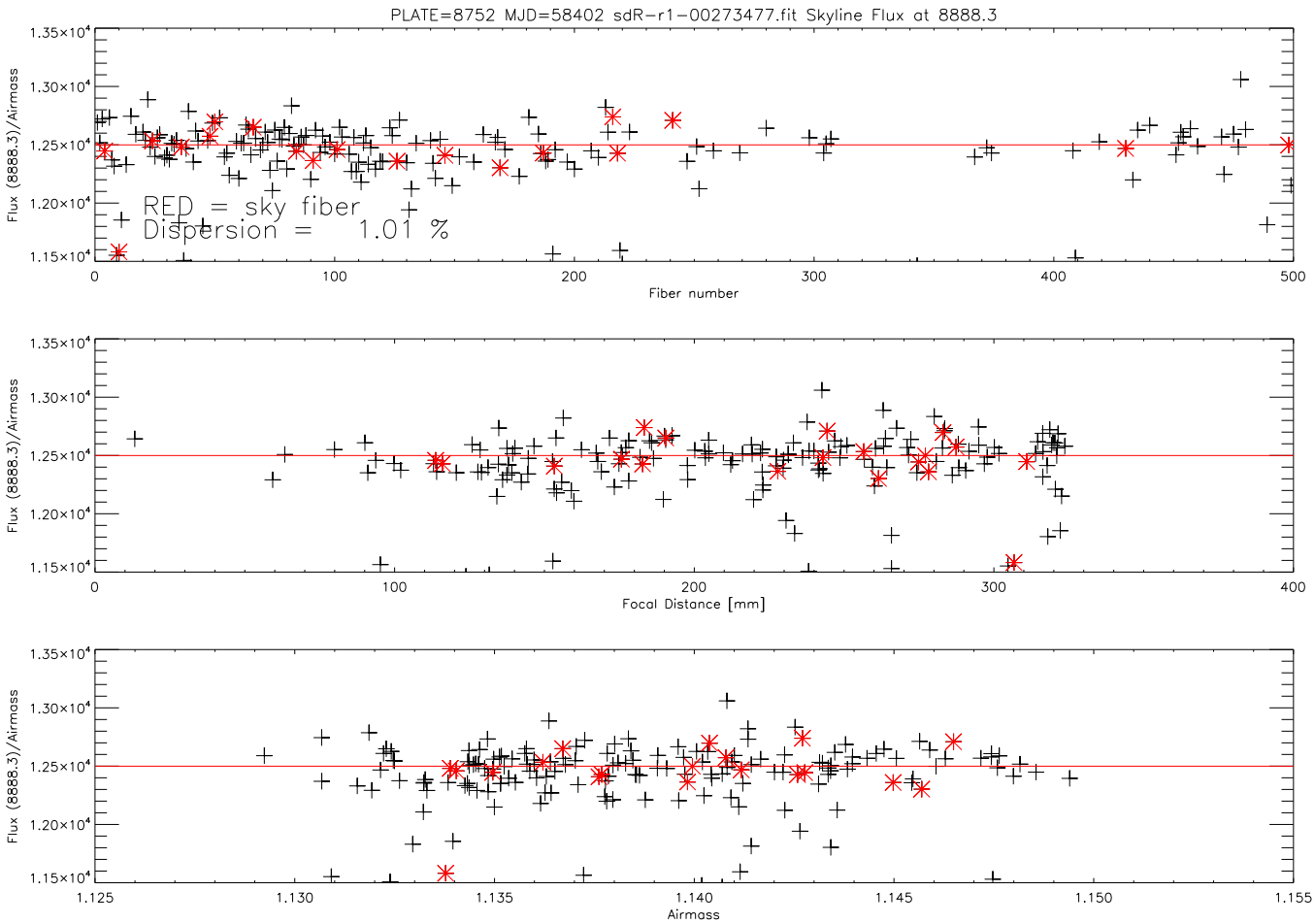

PLATE=8752 MJD=58402 sdR-r1-00273477.fit 2D Sky-subtraction Sky Fibers
Flux [electrons]
8000
6000
4000
2000
0
8820
8840
8860
8880
8900
λ [A]

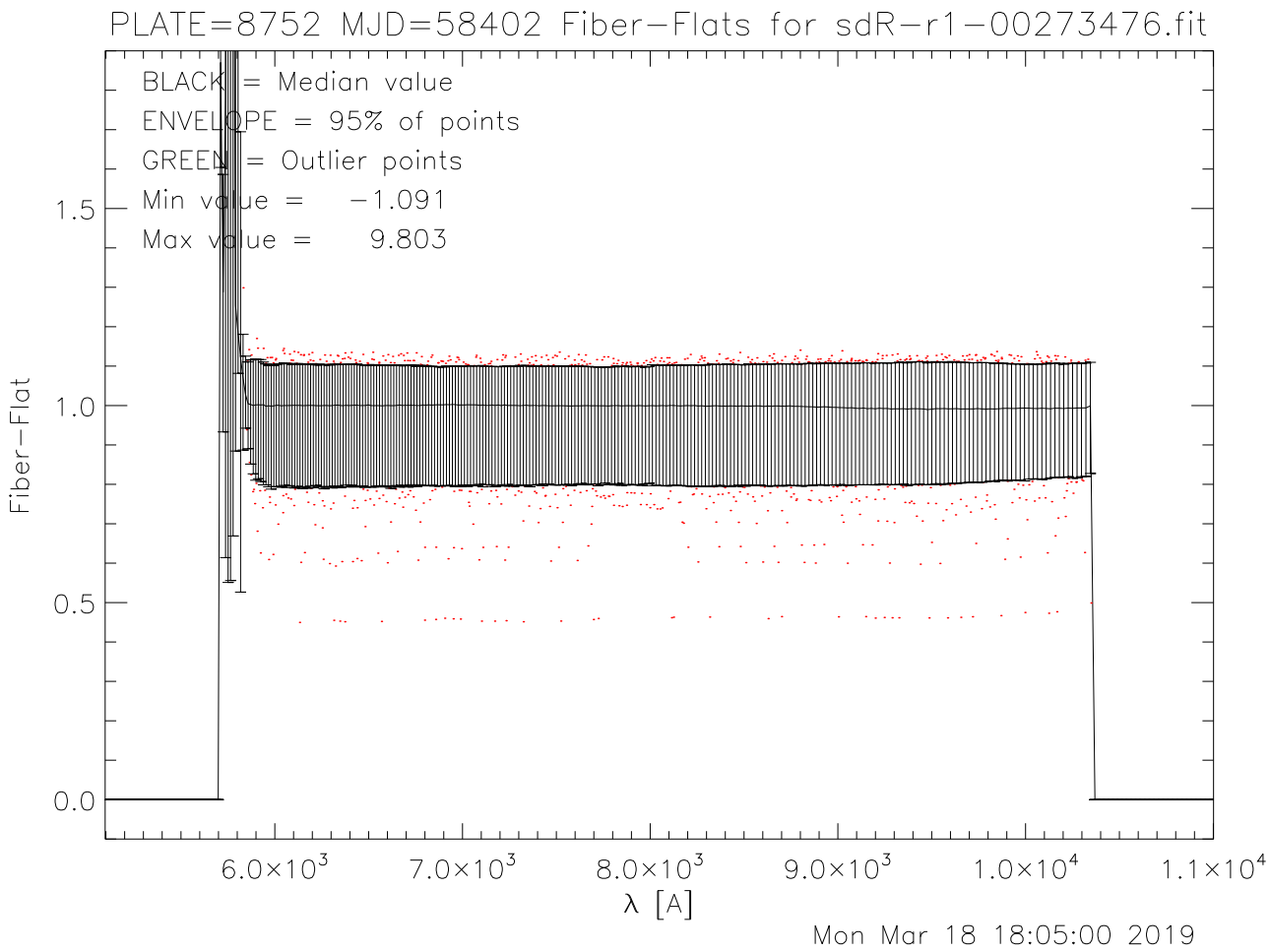

PLATE=8752 MJD=58402 sdR-r1-00273477.fit 2D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
800
600
400
200
0
-200
8820
8840
8860
8880
8900
λ [A]

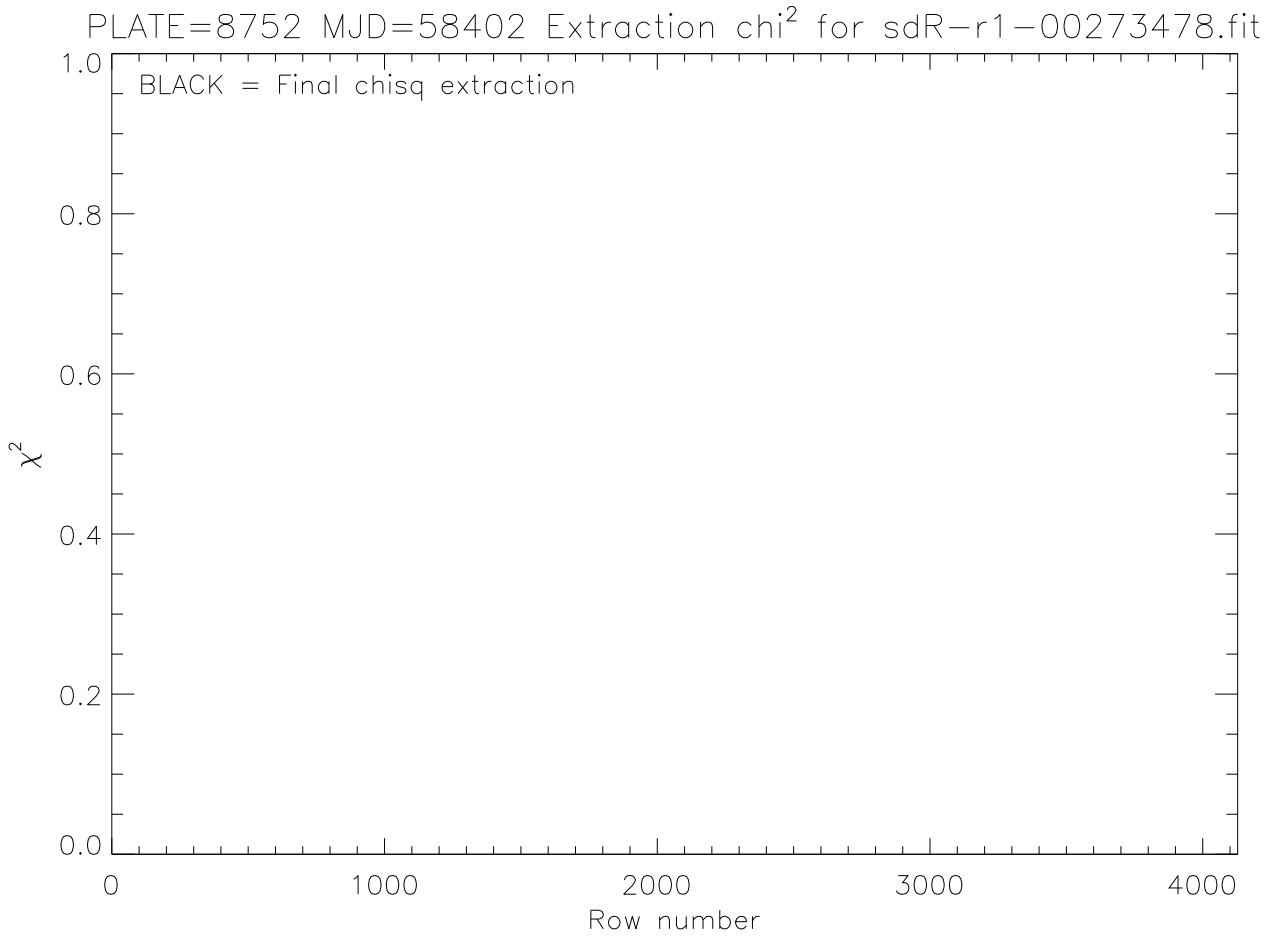
Number of sky fibers = 41

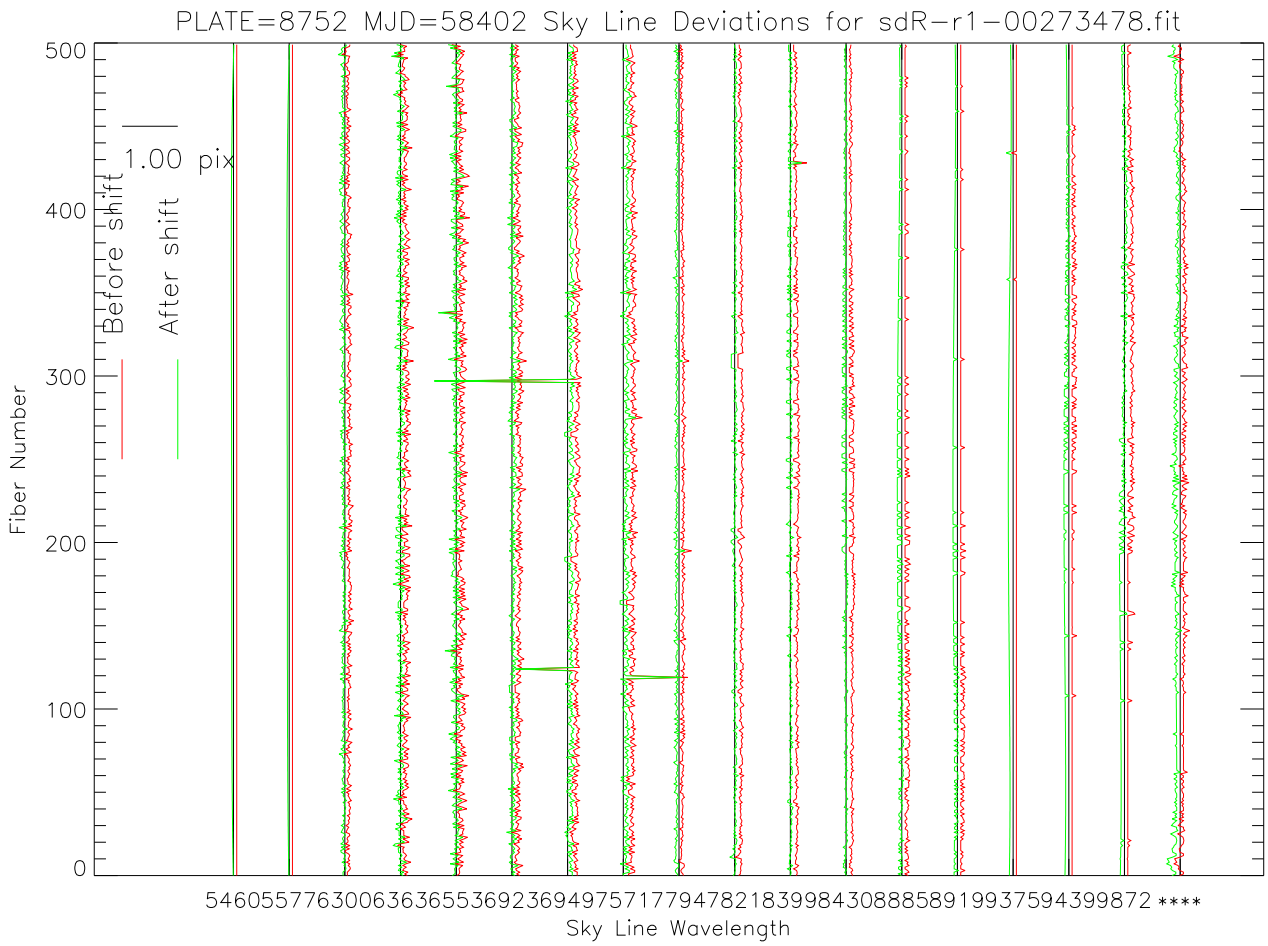


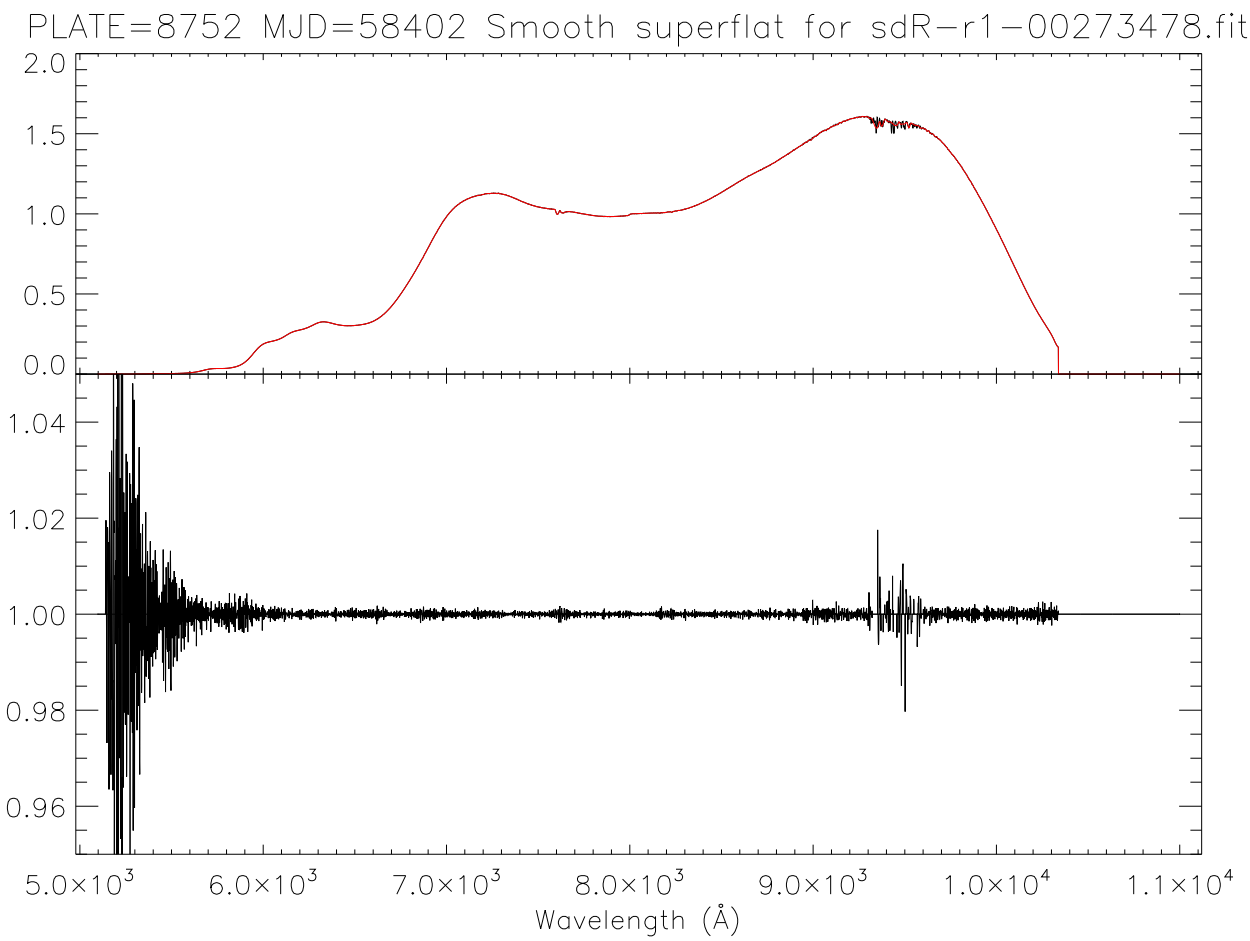

PLATE=8752 MJD=58402 sdR-r1-00273477.fit Skyline Flux at 7343,0
Flux (7343.0)/Airmass
RED = sky fiber
Dispersion = 1.86 %
Fiber number
Focal Distance [mm]
Airmass

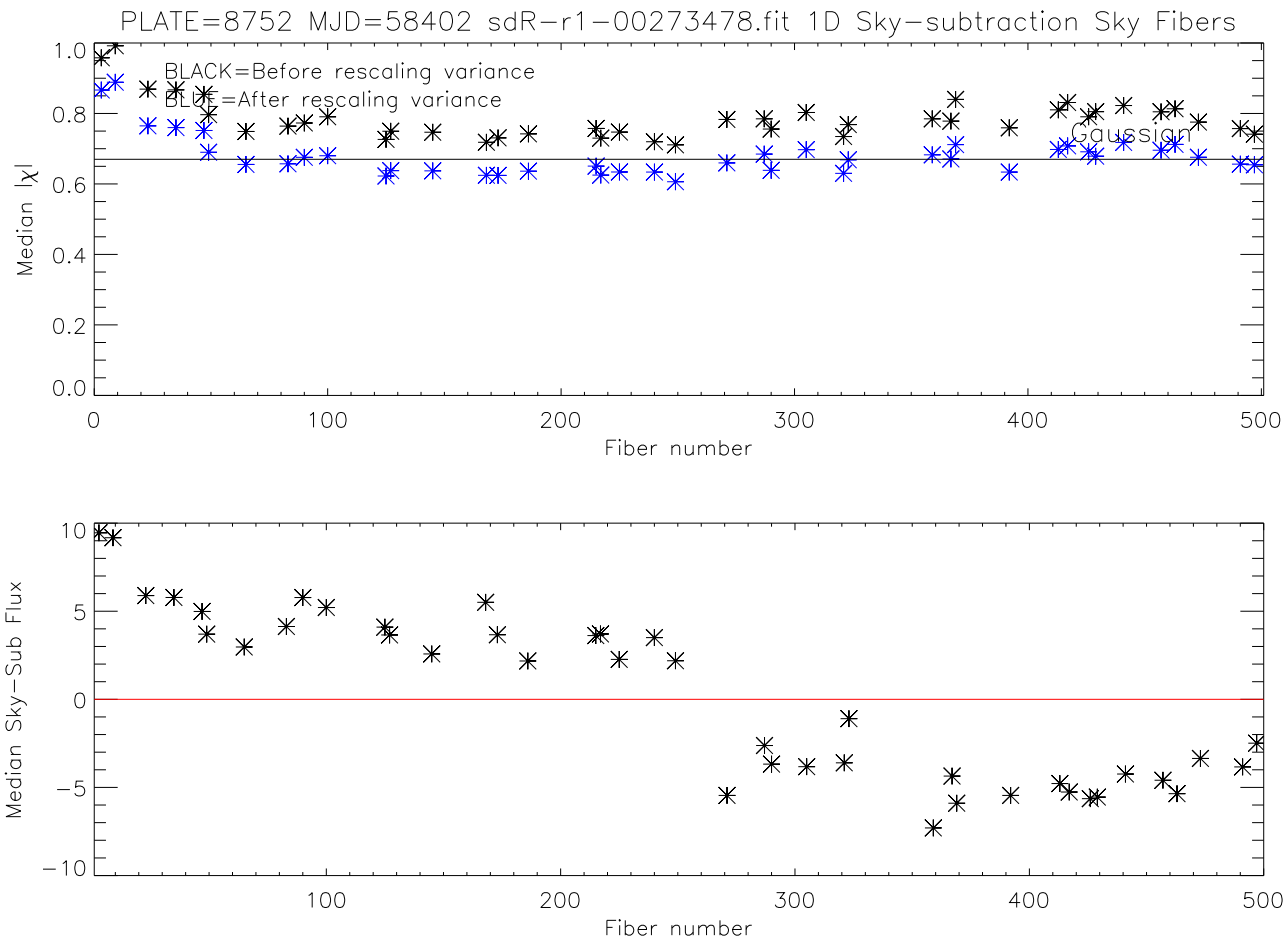

PLATE=8752 MJD=58402 sdR-r1-00273477.fit Skyline Flux at 8888.3
RED = sky fiber
Dispersion = 1.01 %
Flux (8888.3)/Airmass
Fiber number
Focal Distance [mm]
Airmass

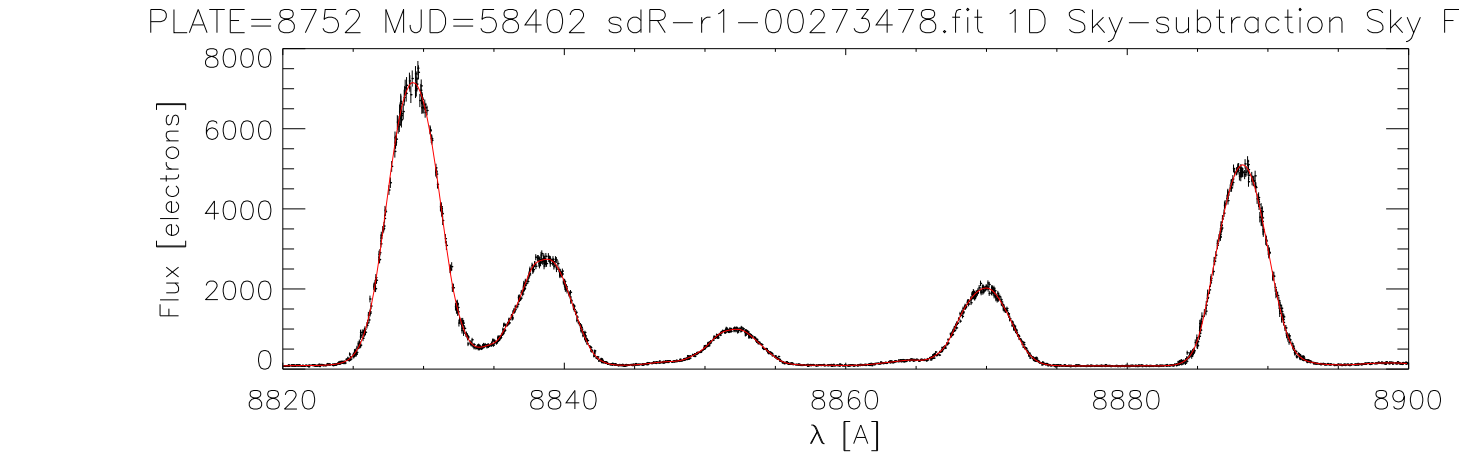

PLATE=8752 MJD=58402 Fiber−Flats for sdR−r1−00273476.fit
BLACK = Median value
ENVELOPE = 95% of points
GREEN = Outlier points
Min value = −1.091
Max value = 9.803
Fiber−Flat
1.5
1.0
0.5
0.0
6.0×10^3
7.0×10^3
8.0×10^3
9.0×10^3
1.0×10^4
1.1×10^4
λ [A]
Mon Mar 18 18:05:00 2019

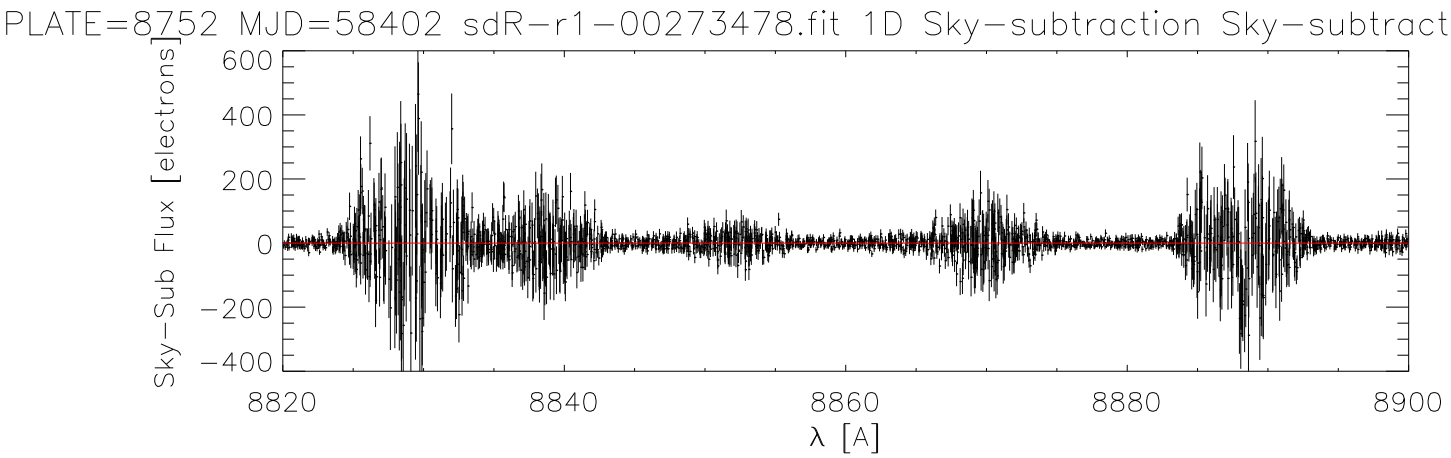

PLATE=8752 MJD=58402 Extraction chi^2 for sdR−r1−00273478.fit
BLACK = Final chisq extraction
χ^2
1.0
0.8
0.6
0.4
0.2
0.0
0
1000
2000
3000
4000
Row number


PLATE=8752 MJD=58402 Sky Line Deviations for sdR-r1-00273478.fit
Before shift
After shift
1.00 pix
Fiber Number
500
400
300
200
100
0
5460557763006363655369236949757177947821839984308885891993759439987 2 ****
Sky Line Wavelength

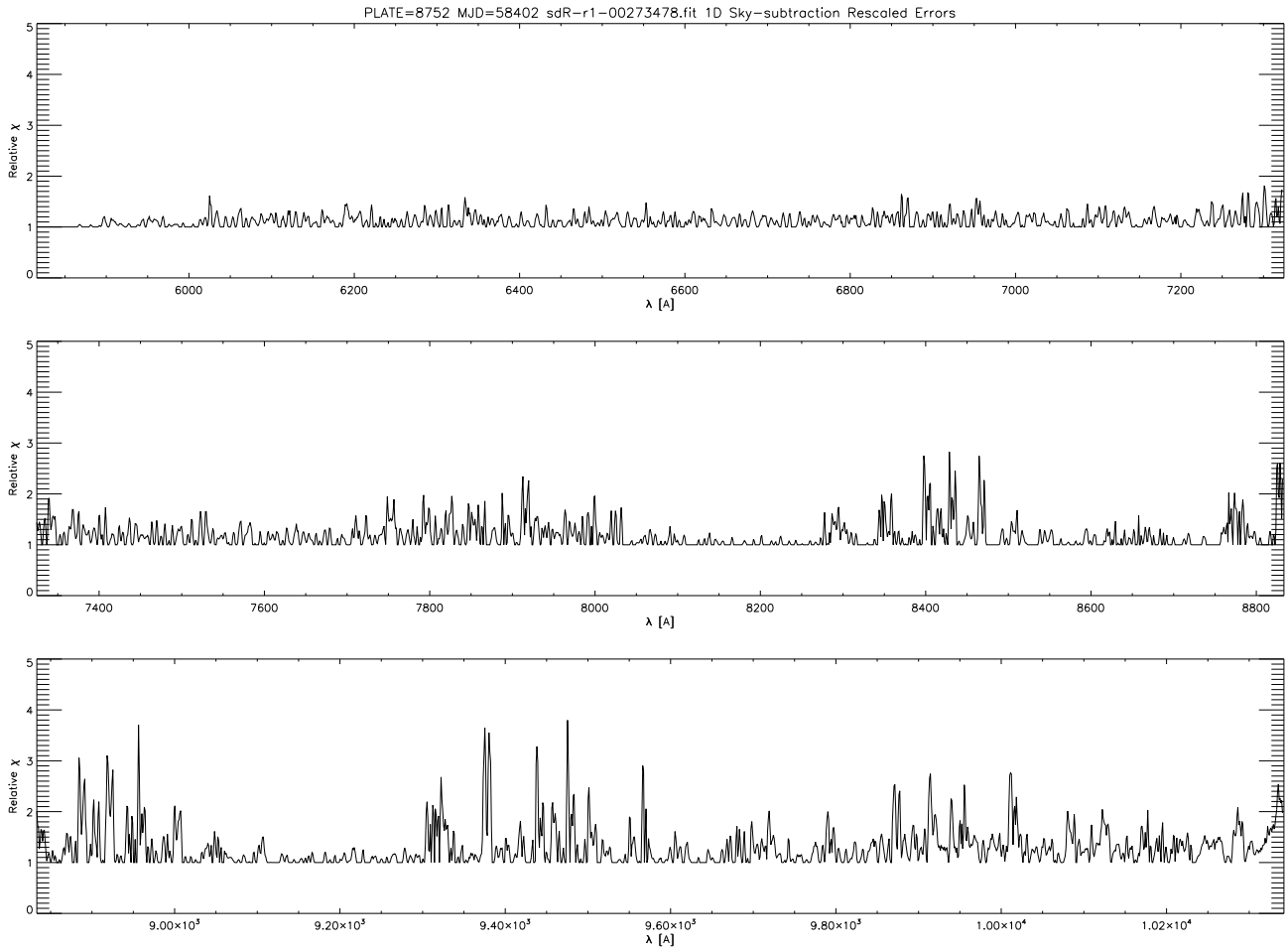

PLATE=8752 MJD=58402 Smooth superflat for sdR-r1-00273478.fit
2.0
1.5
1.0
0.5
0.0
1.04
1.02
1.00
0.98
0.96
5.0×10^3
6.0×10^3
7.0×10^3
8.0×10^3
9.0×10^3
1.0×10^4
1.1×10^4
Wavelength (Å)

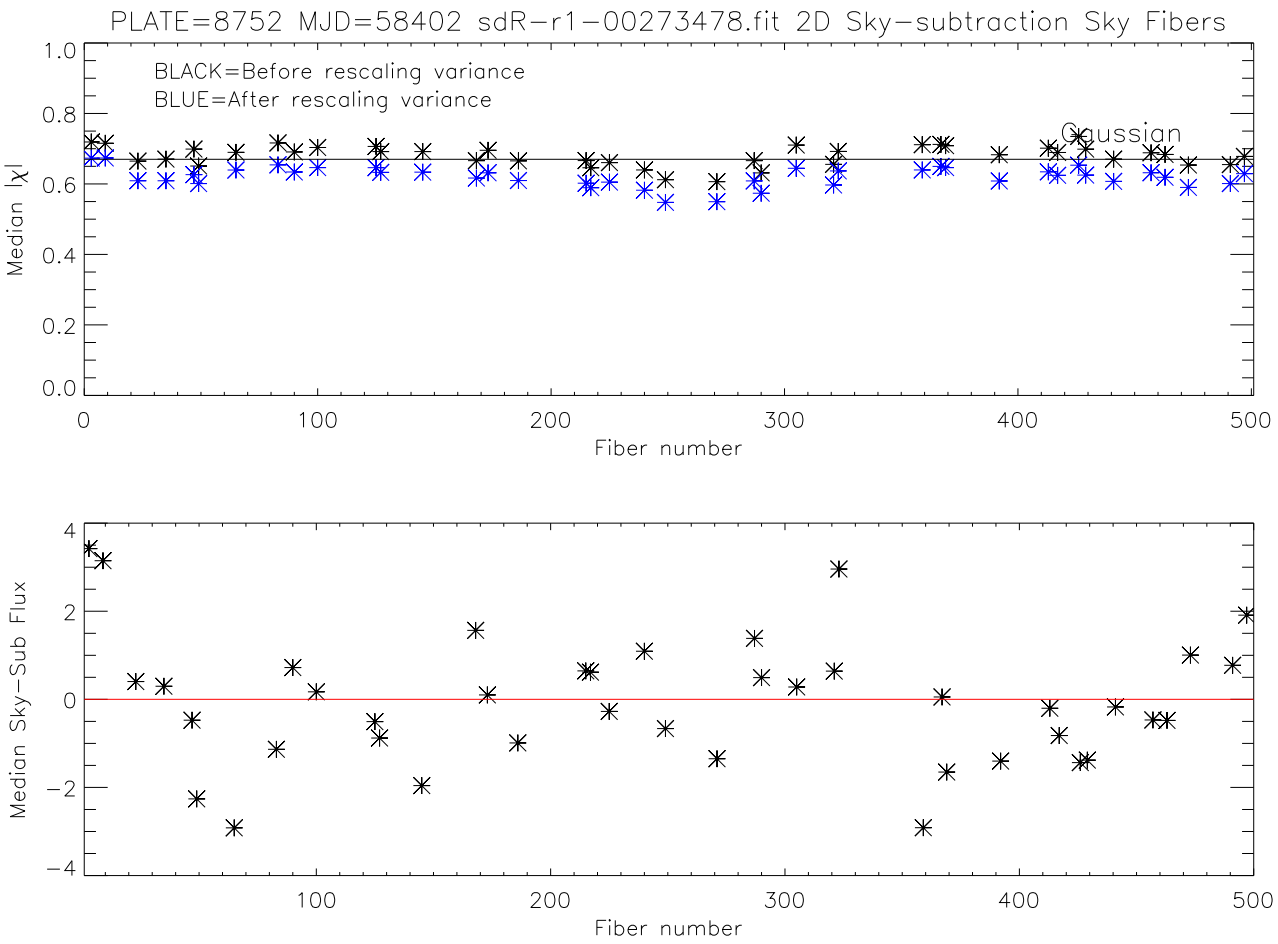

PLATE=8752 MJD=58402 sdR-r1-00273478.fit 1D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

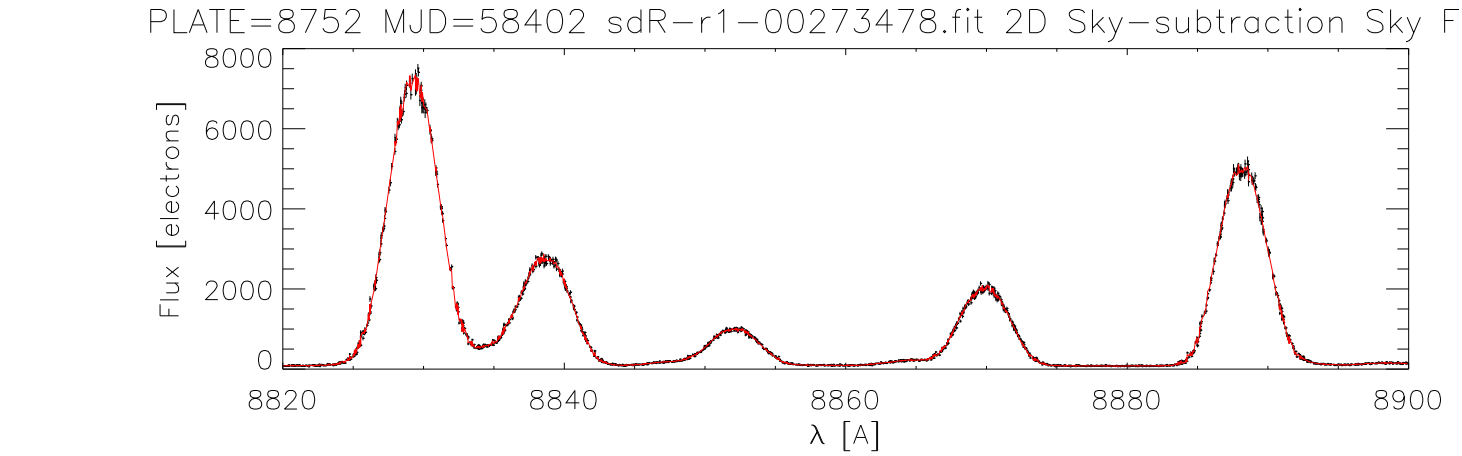

PLATE=8752 MJD=58402 sdR-r1-00273478.fit 1D Sky-subtraction Sky Fibers
Flux [electrons]
8000
6000
4000
2000
0
8820
8840
8860
8880
8900
λ [A]

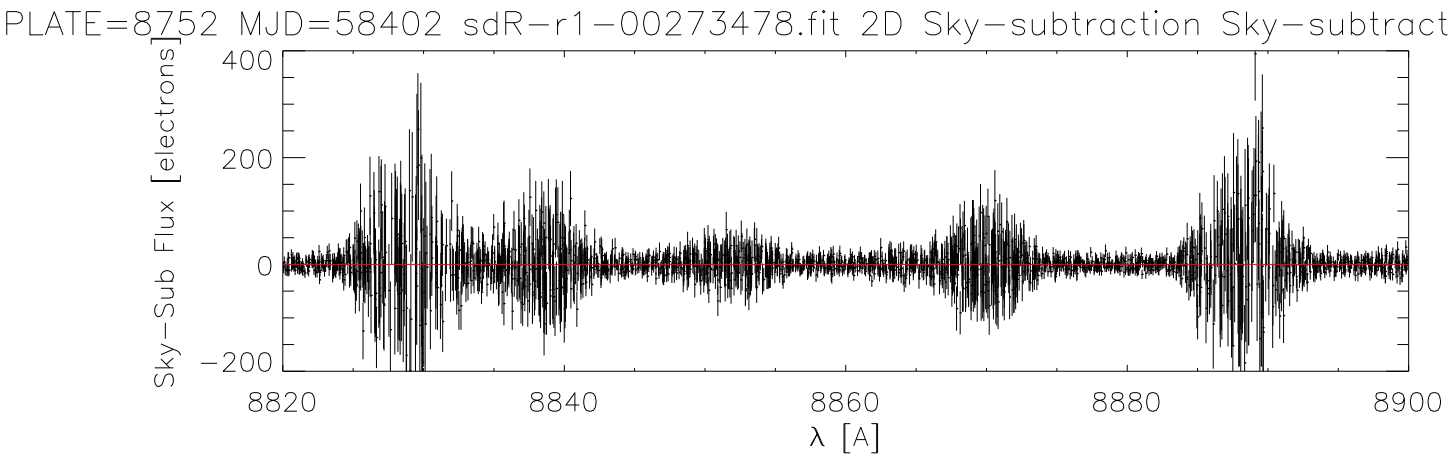

PLATE=8752 MJD=58402 sdR-r1-00273478.fit 1D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
600
400
200
0
-200
-400
8820
8840
8860
8880
8900
λ [A]

Number of sky fibers = 41

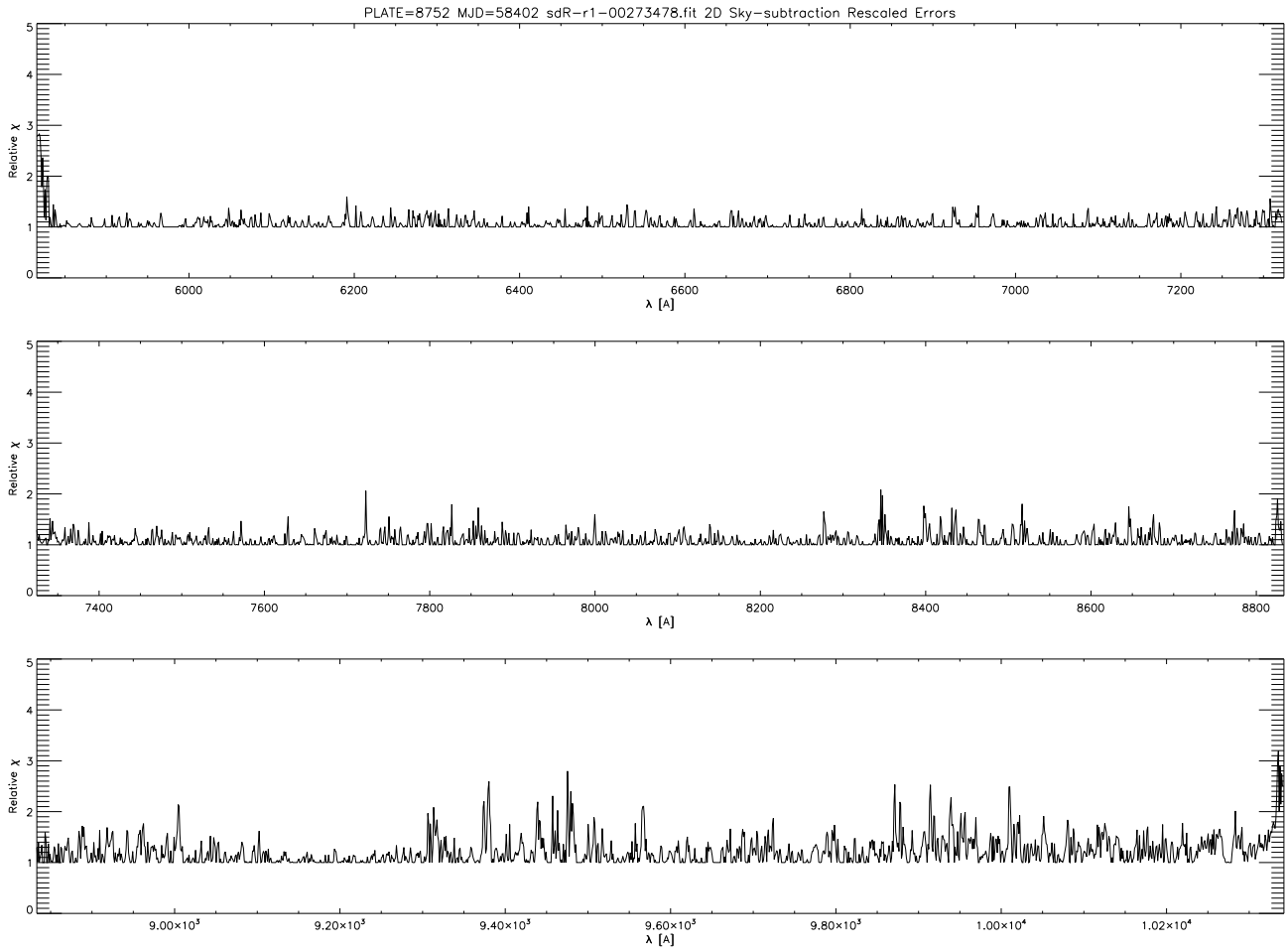


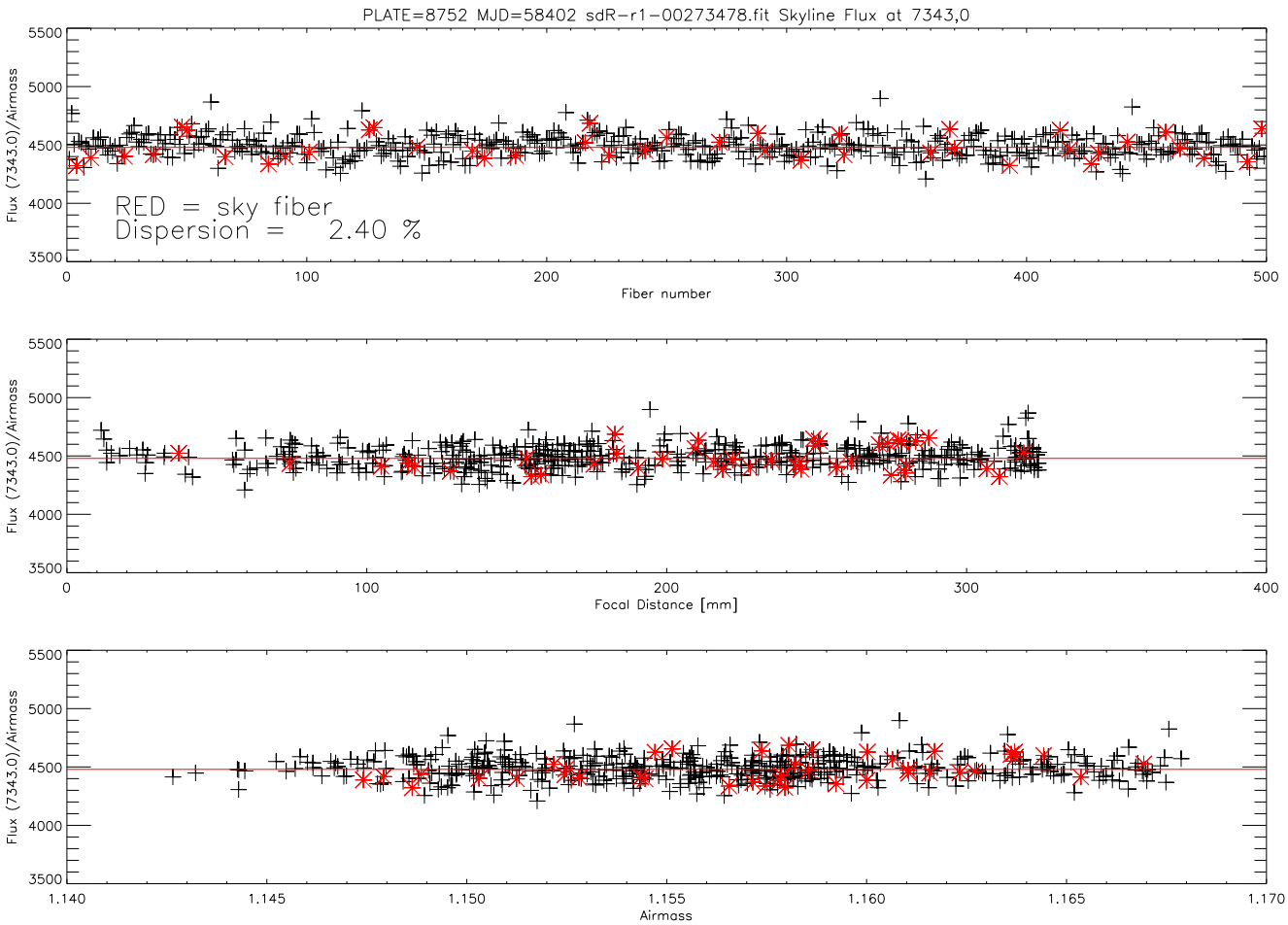

PLATE=8752 MJD=58402 sdR-r1-00273478.fit 2D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

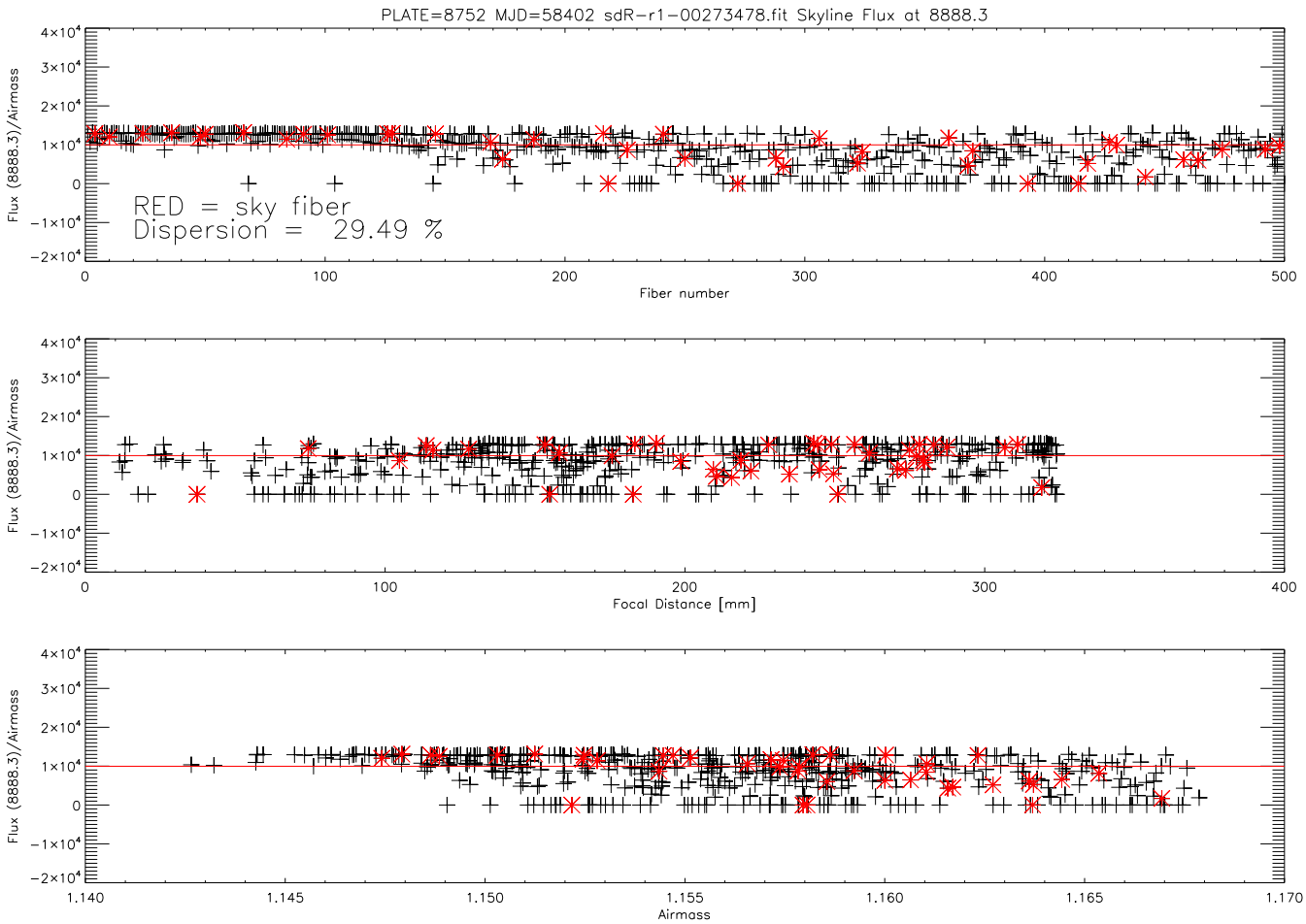

PLATE=8752 MJD=58402 sdR-r1-00273478.fit 2D Sky-subtraction Sky Fibers
Flux [electrons]
8000
6000
4000
2000
0
8820
8840
8860
8880
8900
λ [A]

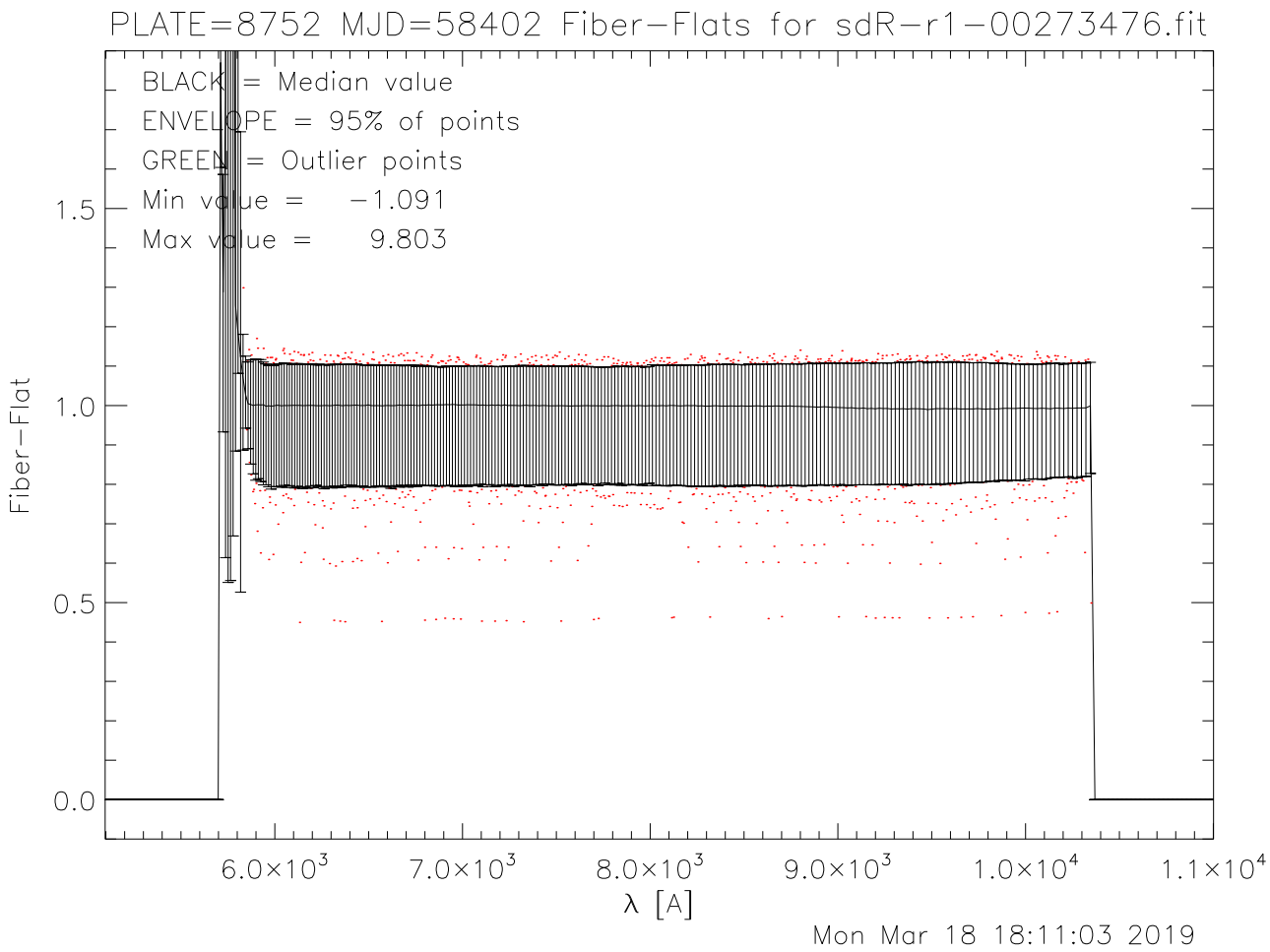

PLATE=8752 MJD=58402 sdR-r1-00273478.fit 2D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
400
200
0
-200
8820
8840
8860
8880
8900
λ [A]

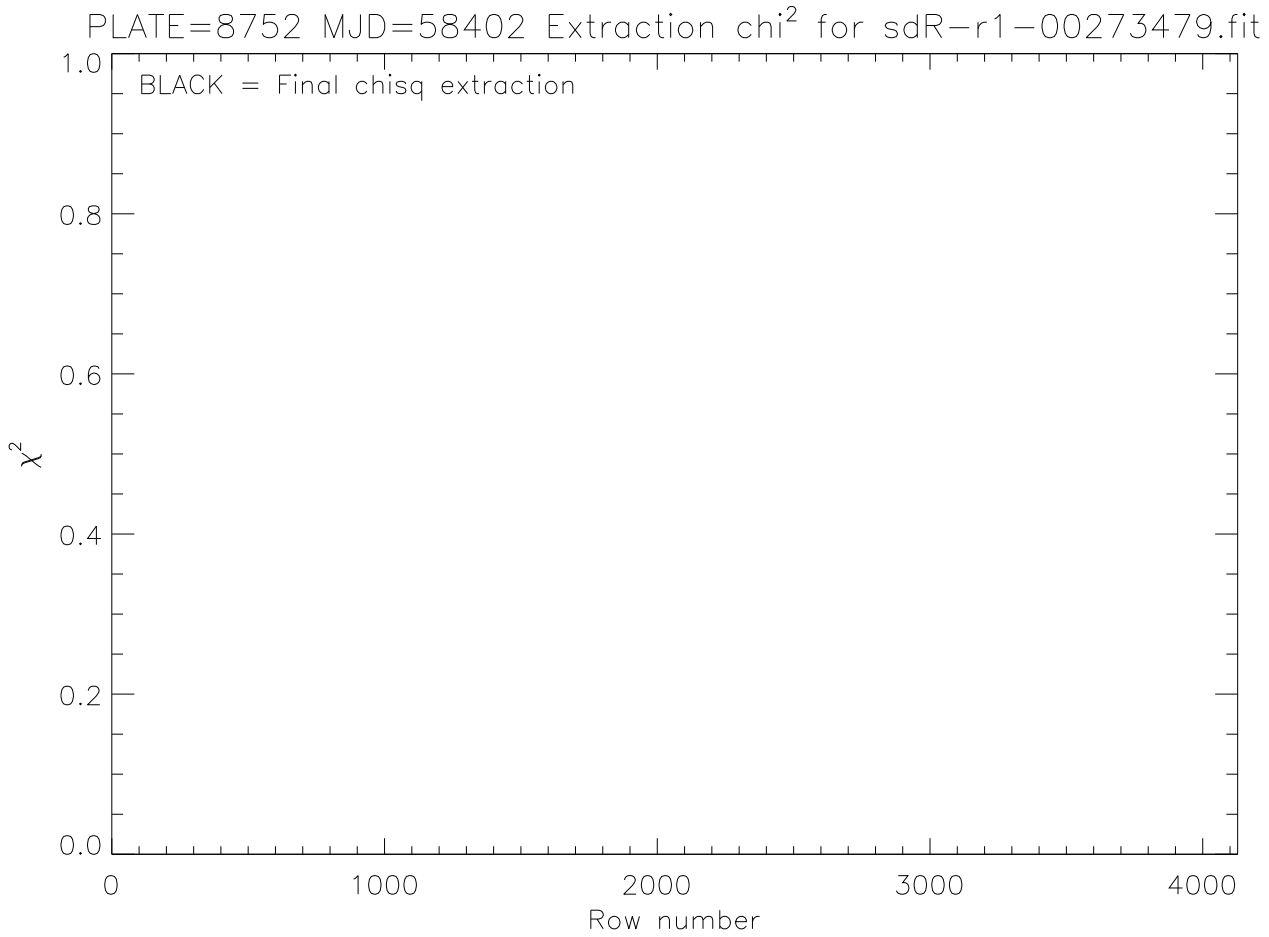
Number of sky fibers = 41

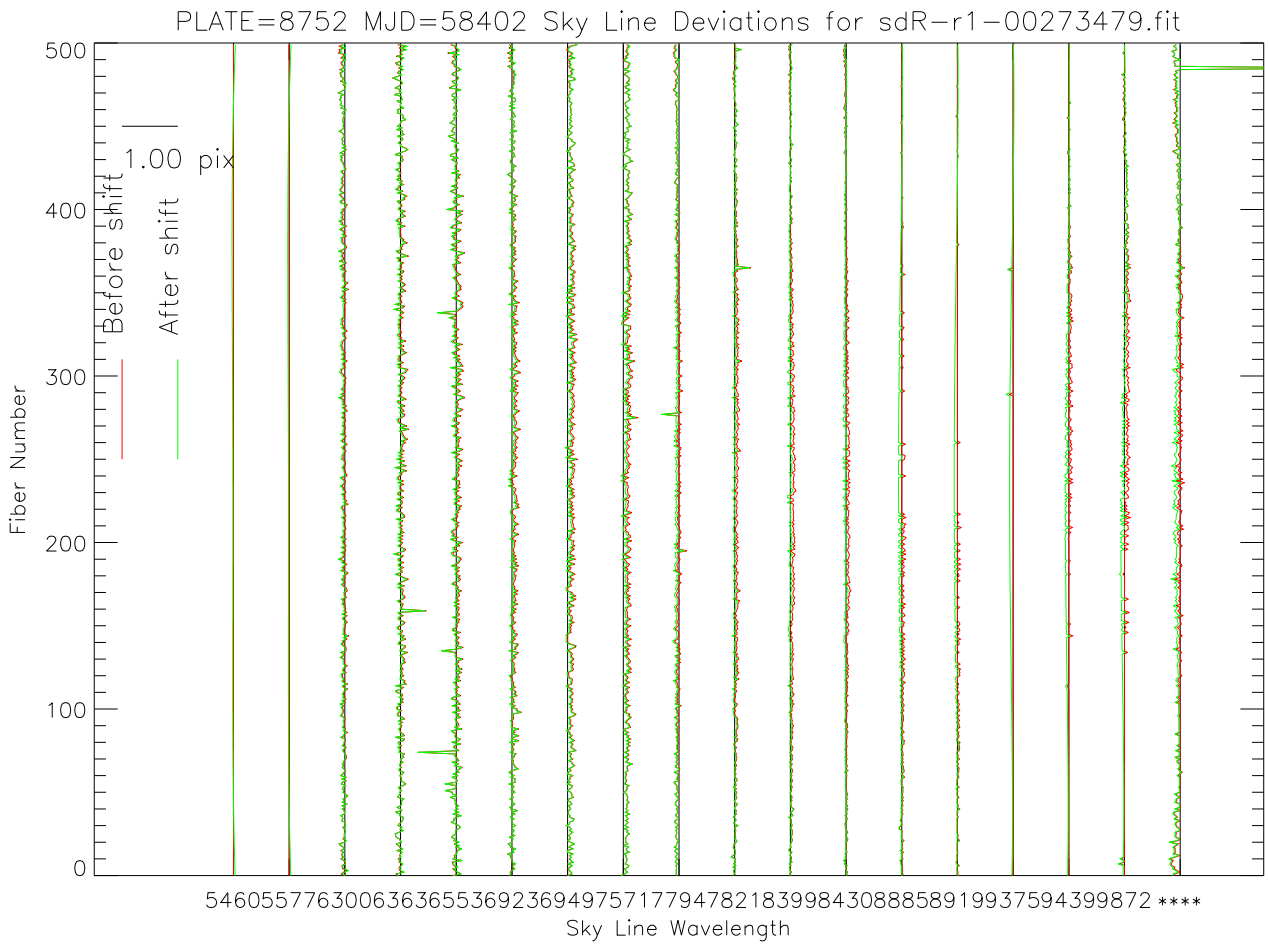


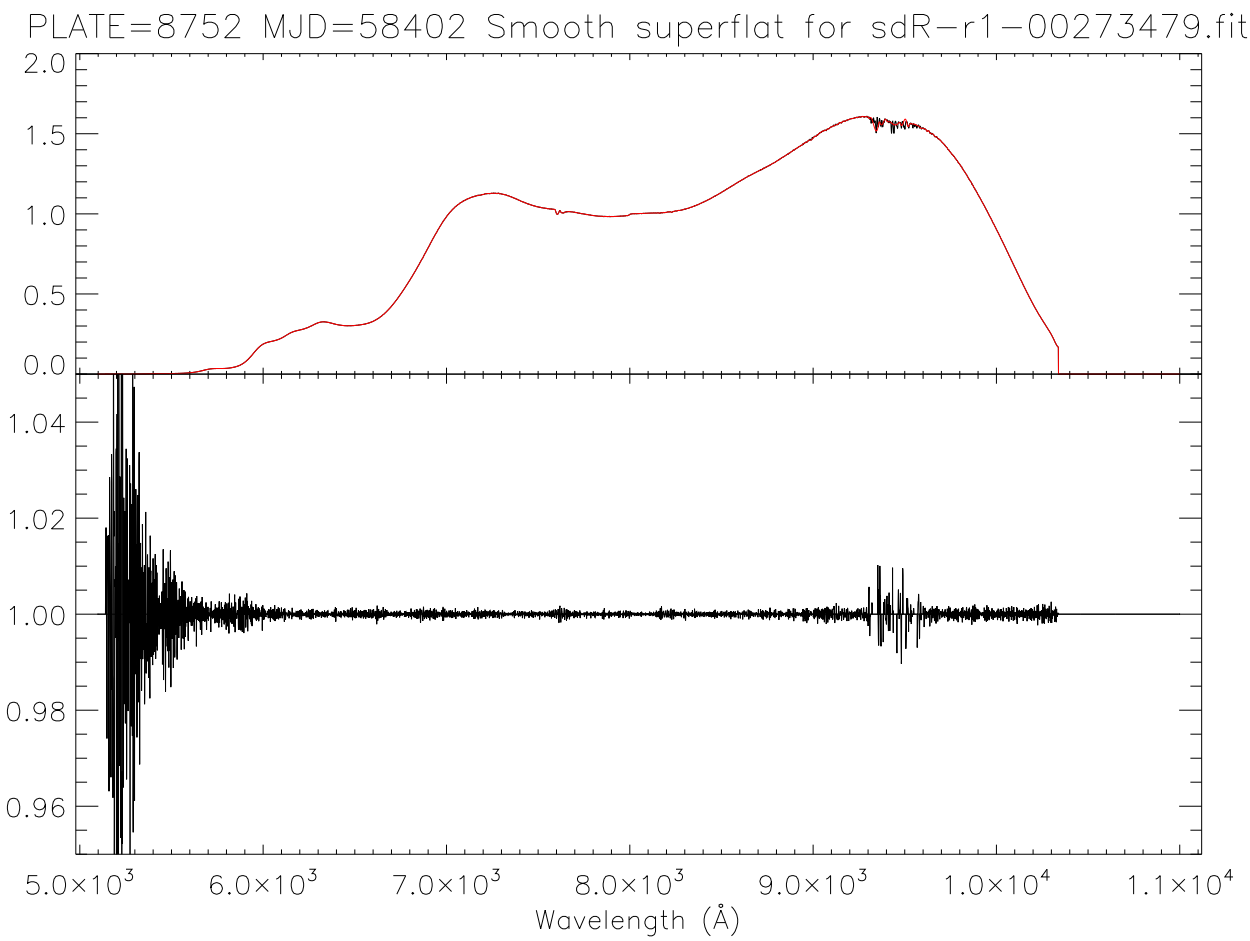

PLATE=8752 MJD=58402 sdR-r1-00273478.fit Skyline Flux at 7343,0
Flux (7343.0)/Airmass
RED = sky fiber
Dispersion = 2.40 %
Fiber number
Flux (7343.0)/Airmass
Focal Distance [mm]
Flux (7343.0)/Airmass
Airmass

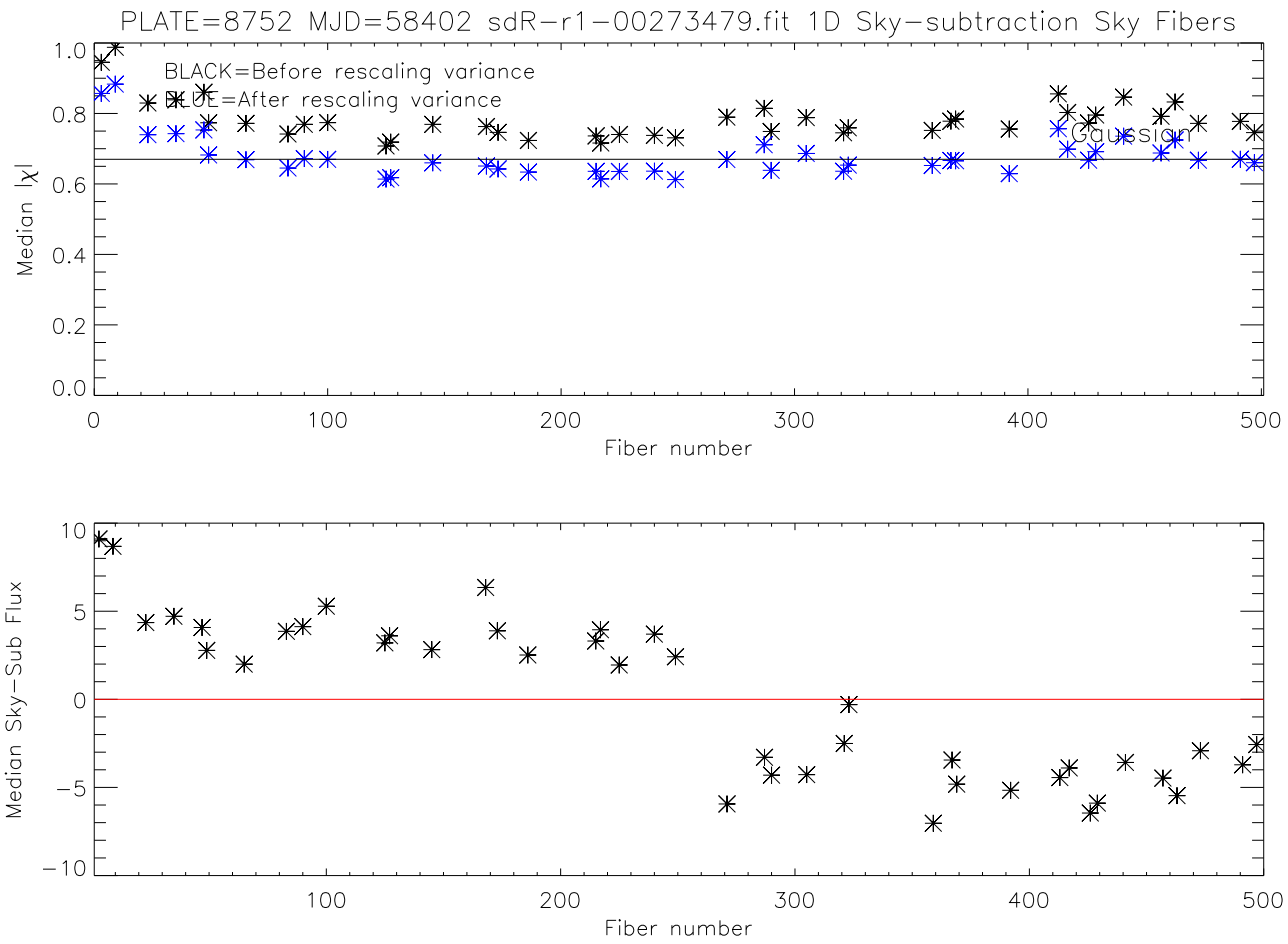

PLATE=8752 MJD=58402 sdR-r1-00273478.fit Skyline Flux at 8888.3
Flux (8888.3)/Airmass
RED = sky fiber
Dispersion = 29.49 %
Fiber number
Flux (8888.3)/Airmass
Focal Distance [mm]
Flux (8888.3)/Airmass
Airmass

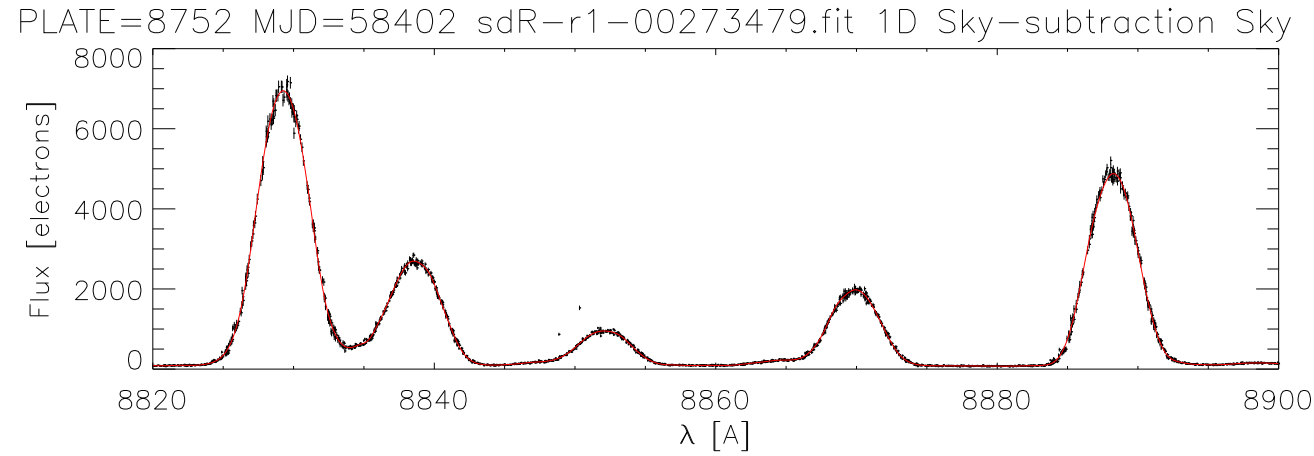

PLATE=8752 MJD=58402 Fiber−Flats for sdR−r1−00273476.fit
BLACK = Median value
ENVELOPE = 95% of points
GREEN = Outlier points
Min value = −1.091
Max value = 9.803
Fiber−Flat
1.5
1.0
0.5
0.0
6.0×10^3
7.0×10^3
8.0×10^3
9.0×10^3
1.0×10^4
1.1×10^4
λ [A]
Mon Mar 18 18:11:03 2019

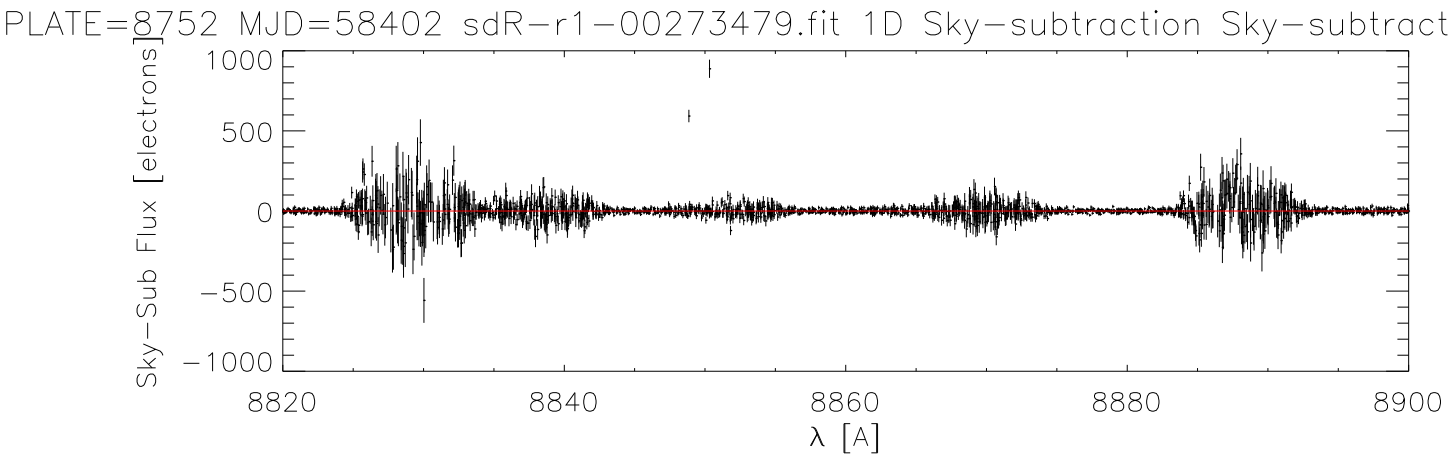

PLATE=8752 MJD=58402 Extraction chi^2 for sdR−r1−00273479.fit
BLACK = Final chisq extraction
χ^2
1.0
0.8
0.6
0.4
0.2
0.0
0
1000
2000
3000
4000
Row number


PLATE=8752 MJD=58402 Sky Line Deviations for sdR-r1-00273479.fit
500
400
300
200
100
0
Fiber Number
1.00 pix
Before shift
After shift
5460557763006363655369236949757177947821839984308885891993759439987 2 ****
Sky Line Wavelength

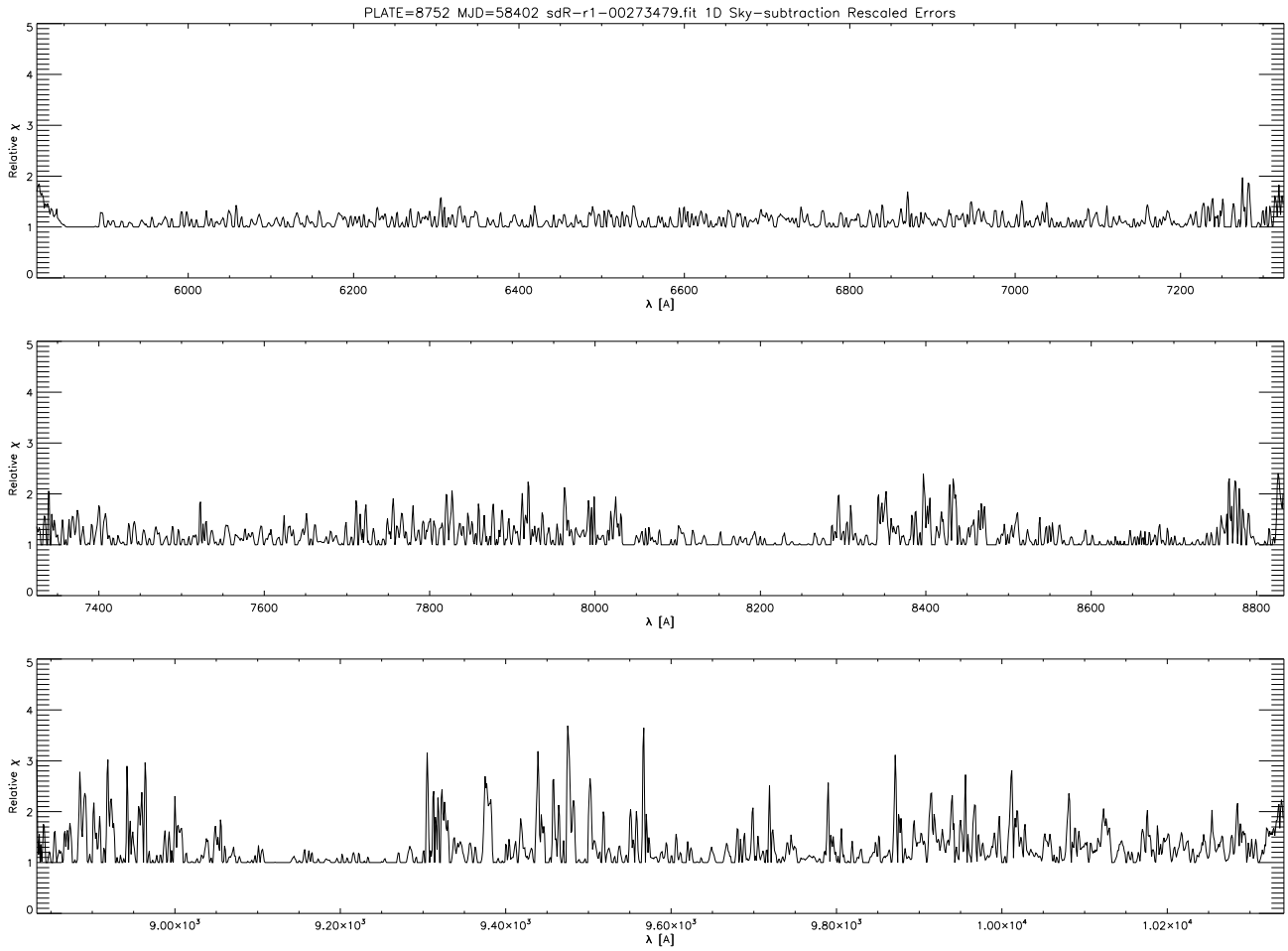

PLATE=8752 MJD=58402 Smooth superflat for sdR-r1-00273479.fit
2.0
1.5
1.0
0.5
0.0
1.04
1.02
1.00
0.98
0.96
5.0×10^3
6.0×10^3
7.0×10^3
8.0×10^3
9.0×10^3
1.0×10^4
1.1×10^4
Wavelength (Å)

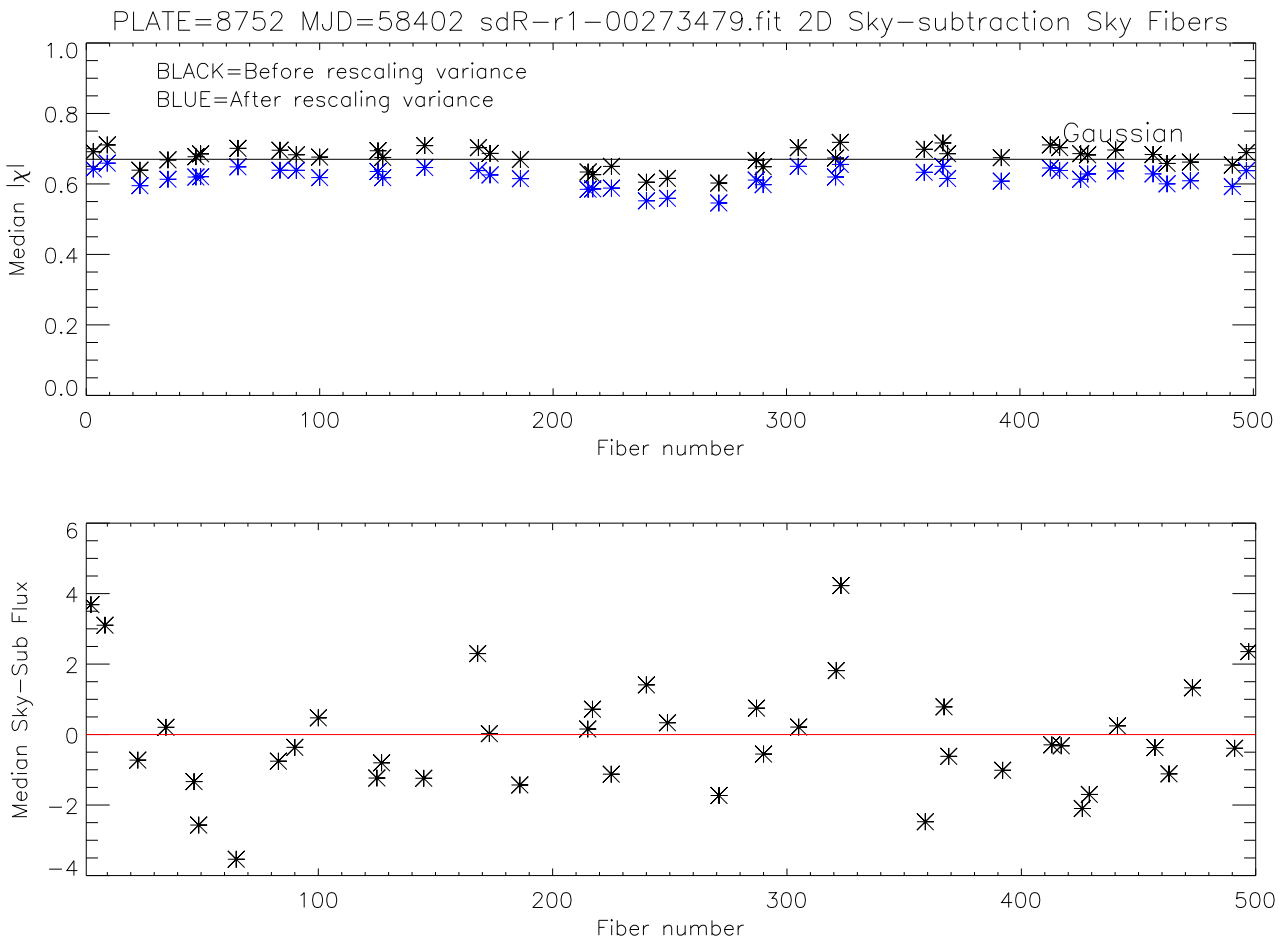

PLATE=8752 MJD=58402 sdR-r1-00273479.fit 1D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

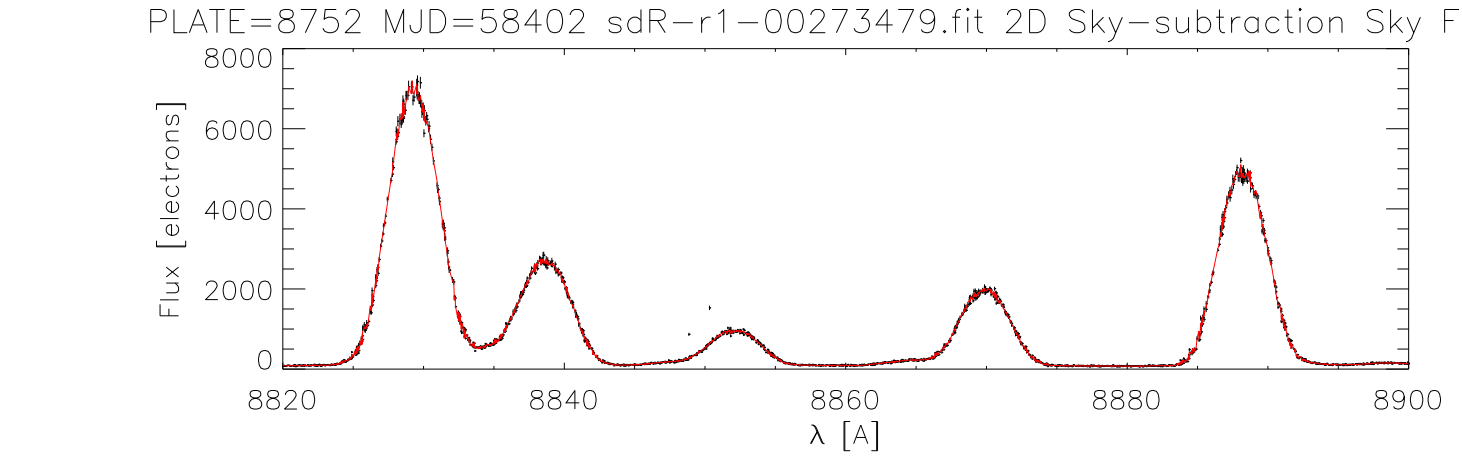

PLATE=8752 MJD=58402 sdR-r1-00273479.fit 1D Sky-subtraction Sky Fibers
Flux [electrons]
8000
6000
4000
2000
0
8820
8840
8860
8880
8900
λ [A]

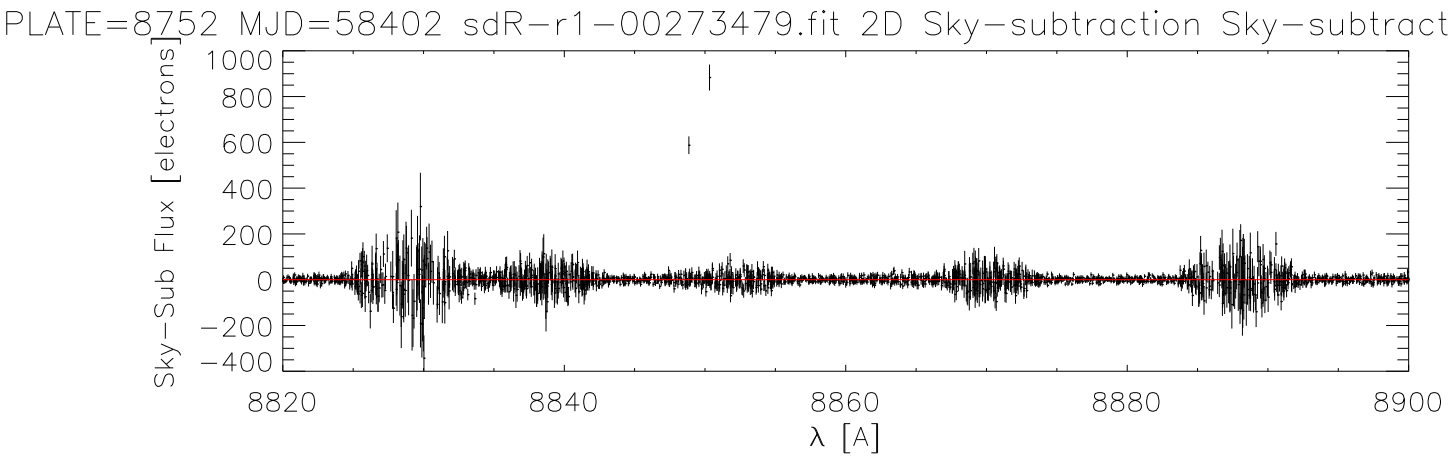

PLATE=8752 MJD=58402 sdR-r1-00273479.fit 1D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
1000
500
0
-500
-1000
8820
8840
8860
8880
8900
λ [A]

Number of sky fibers = 41

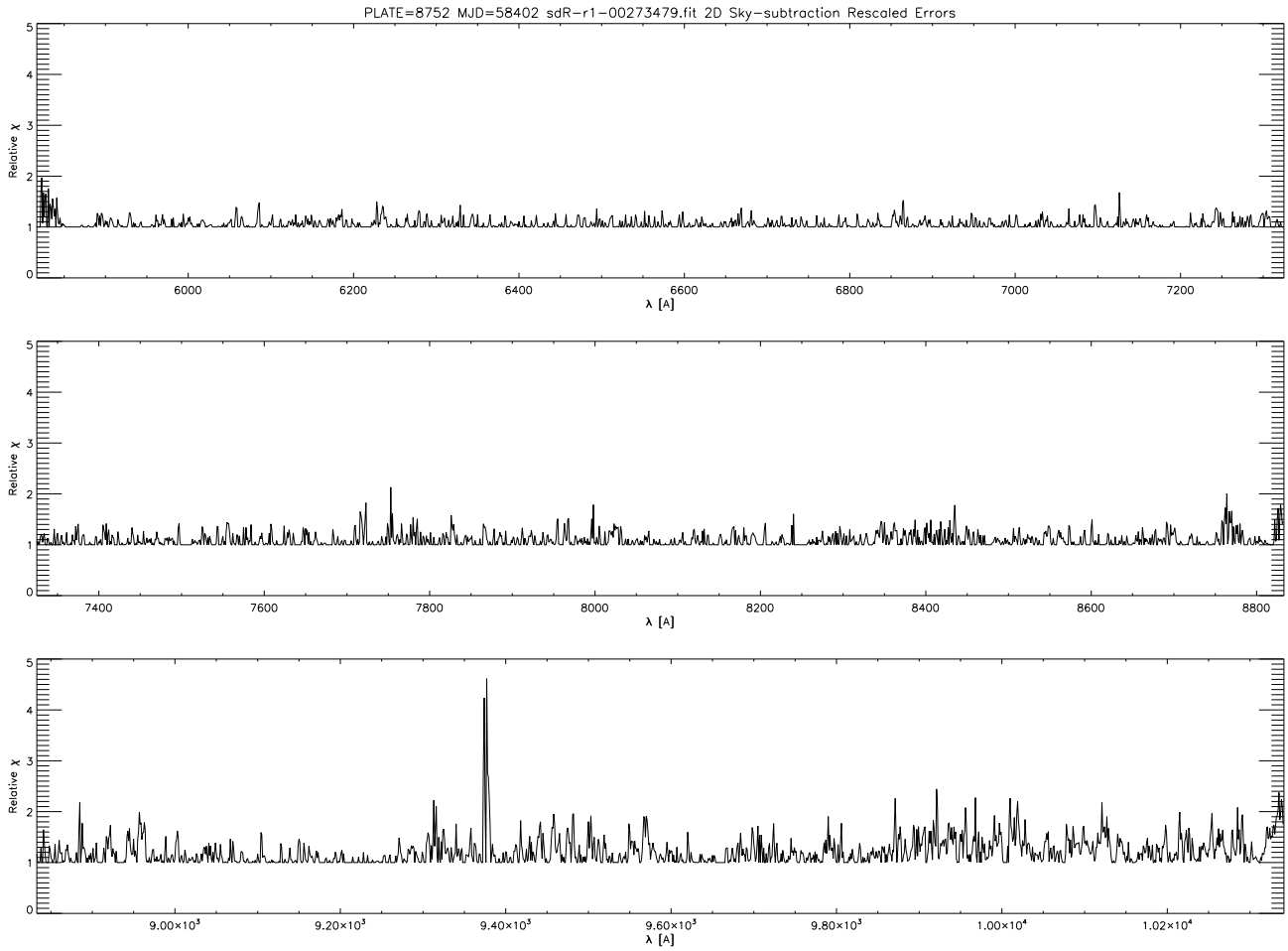


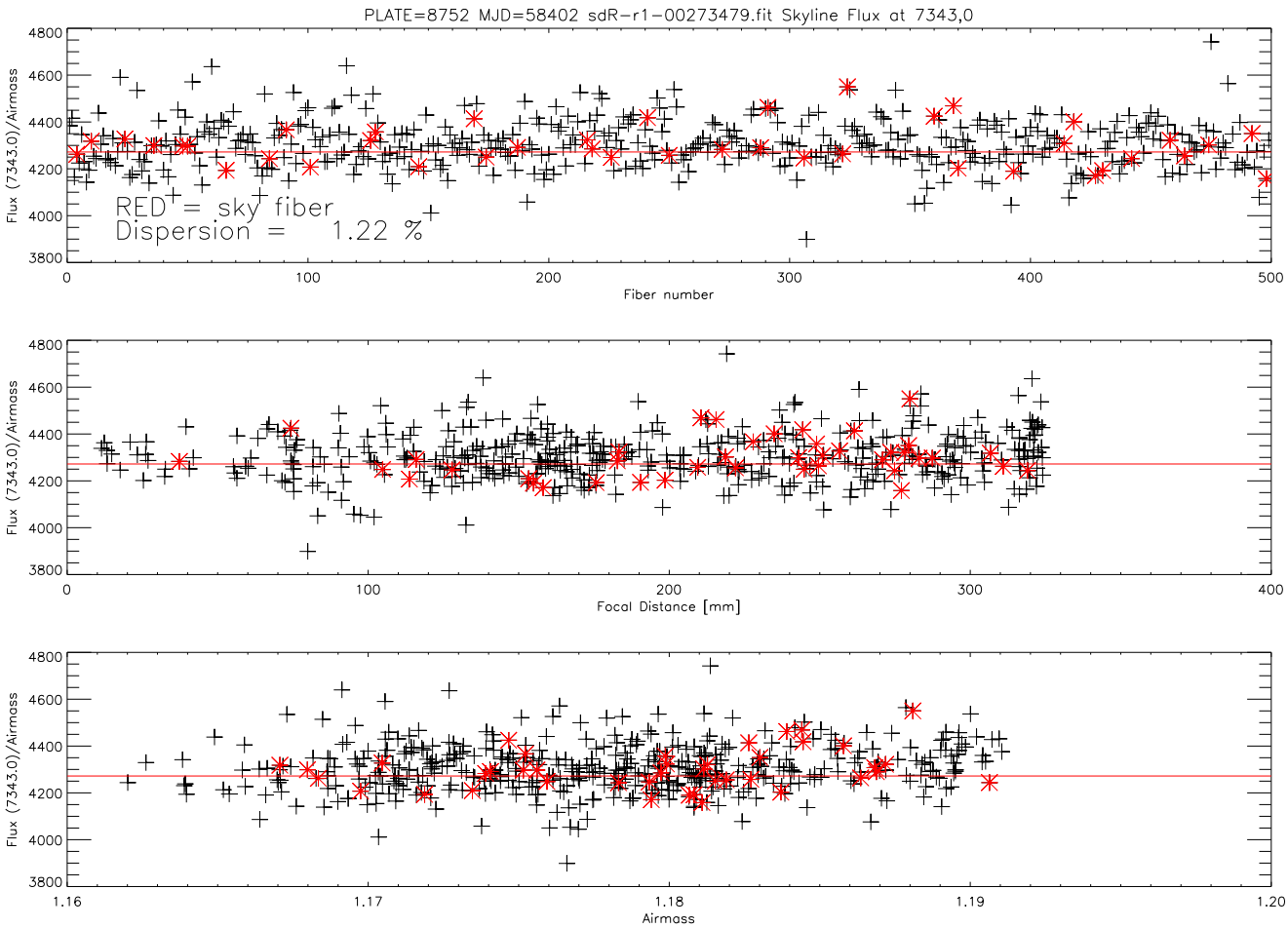

PLATE=8752 MJD=58402 sdR-r1-00273479.fit 2D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

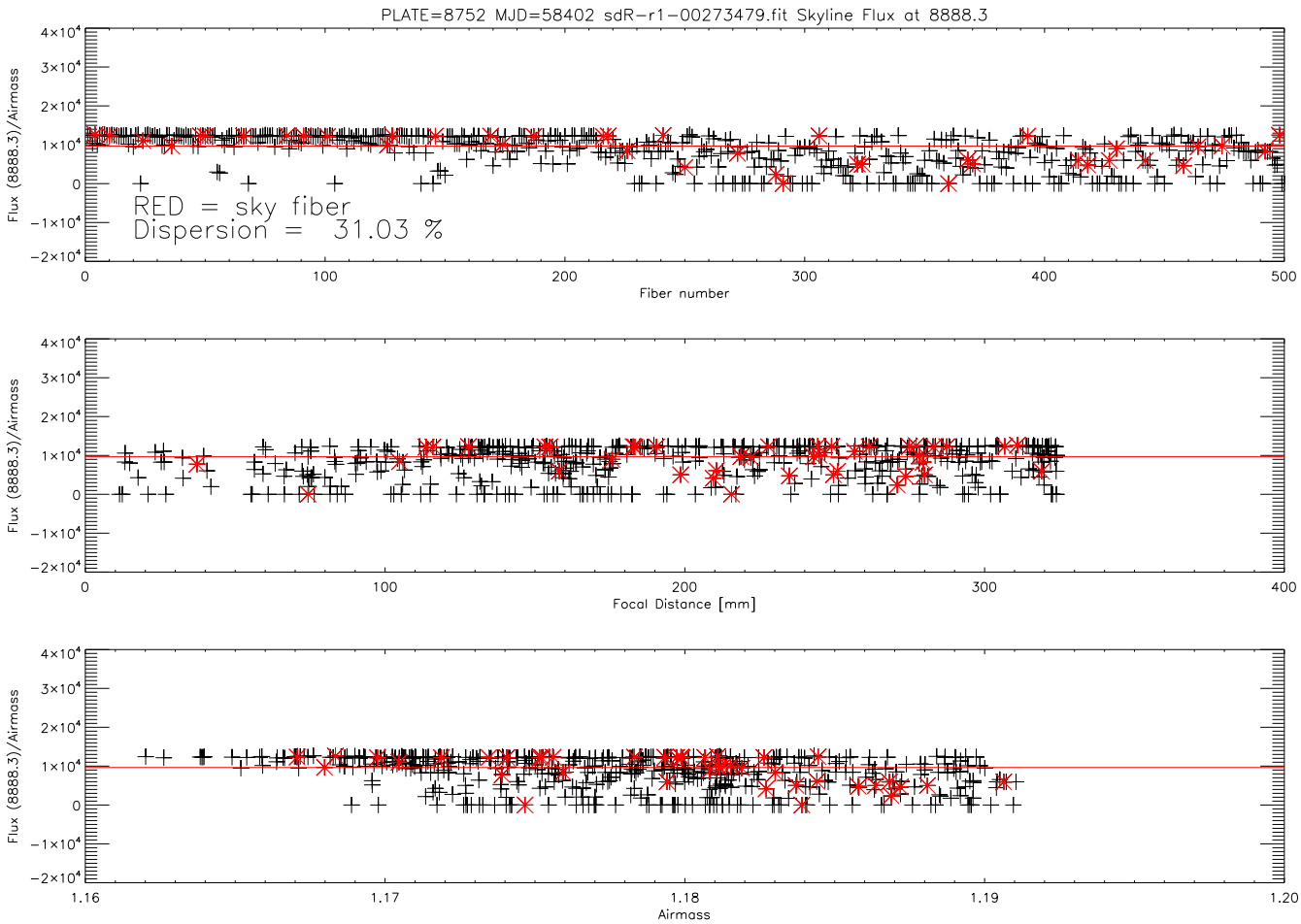

PLATE=8752 MJD=58402 sdR-r1-00273479.fit 2D Sky-subtraction Sky Fibers
Flux [electrons]
8000
6000
4000
2000
0
8820
8840
8860
8880
8900
λ [A]

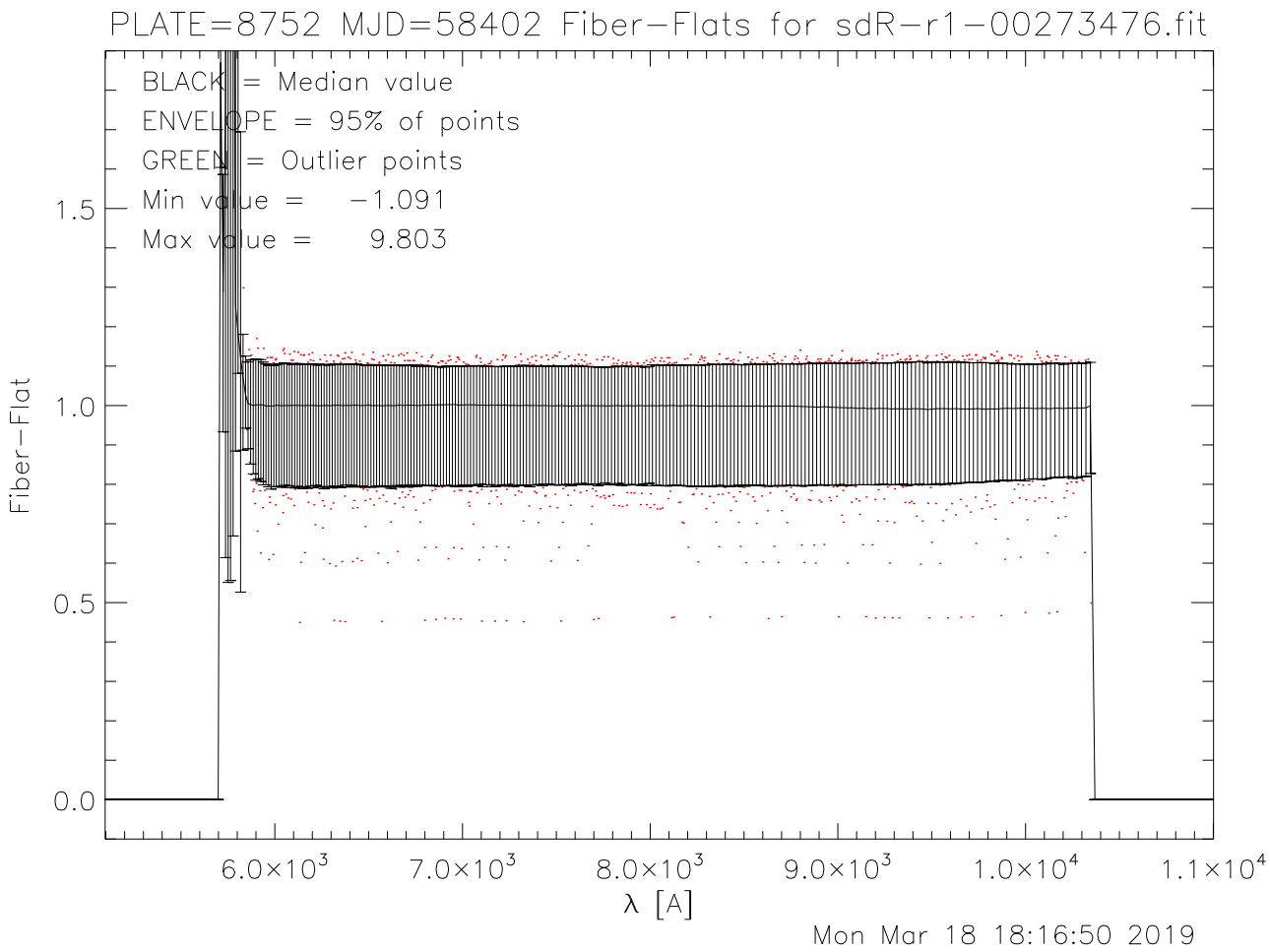

PLATE=8752 MJD=58402 sdR-r1-00273479.fit 2D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
1000
800
600
400
200
0
-200
-400
8820
8840
8860
8880
8900
λ [A]

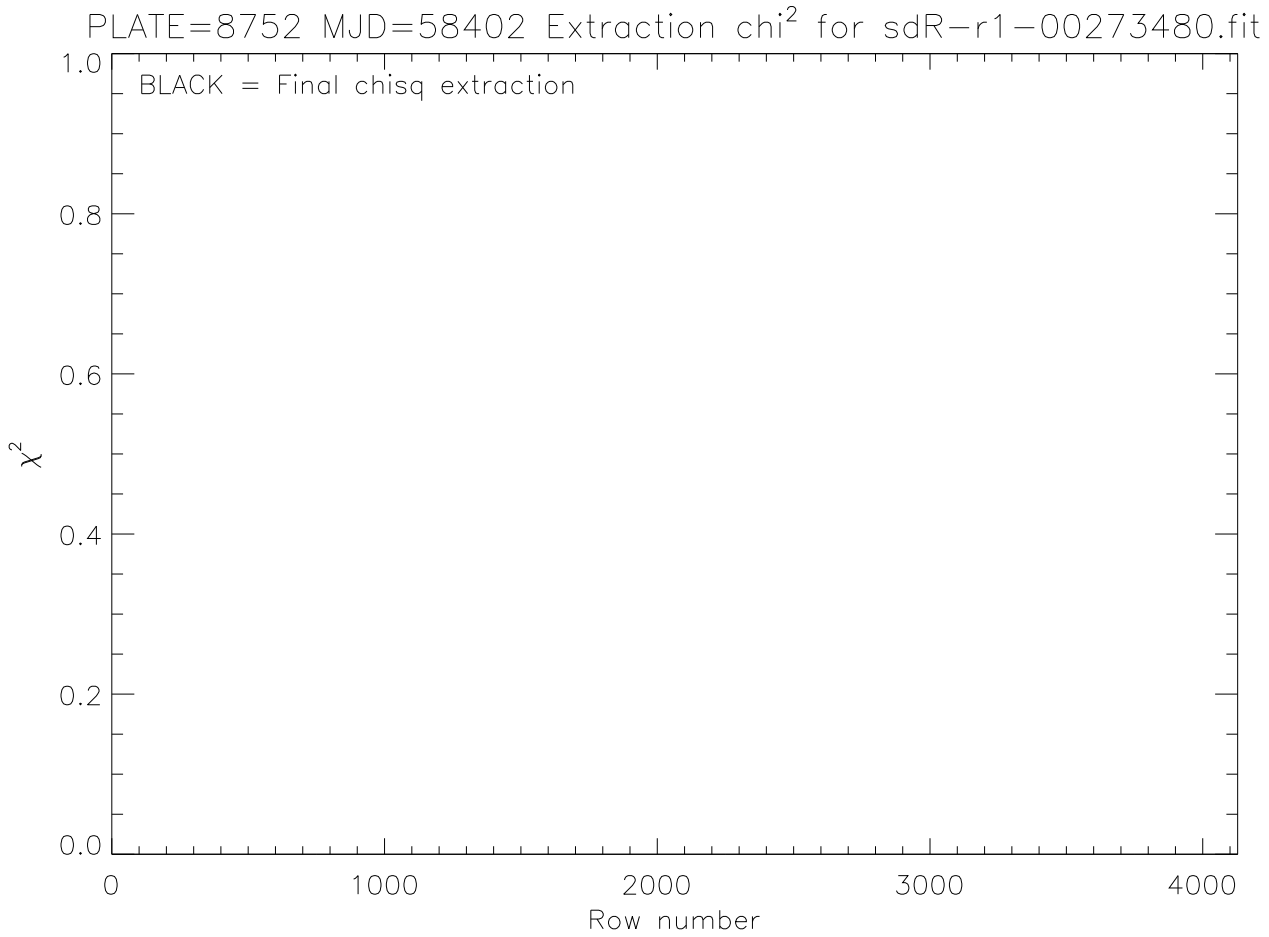
Number of sky fibers = 41

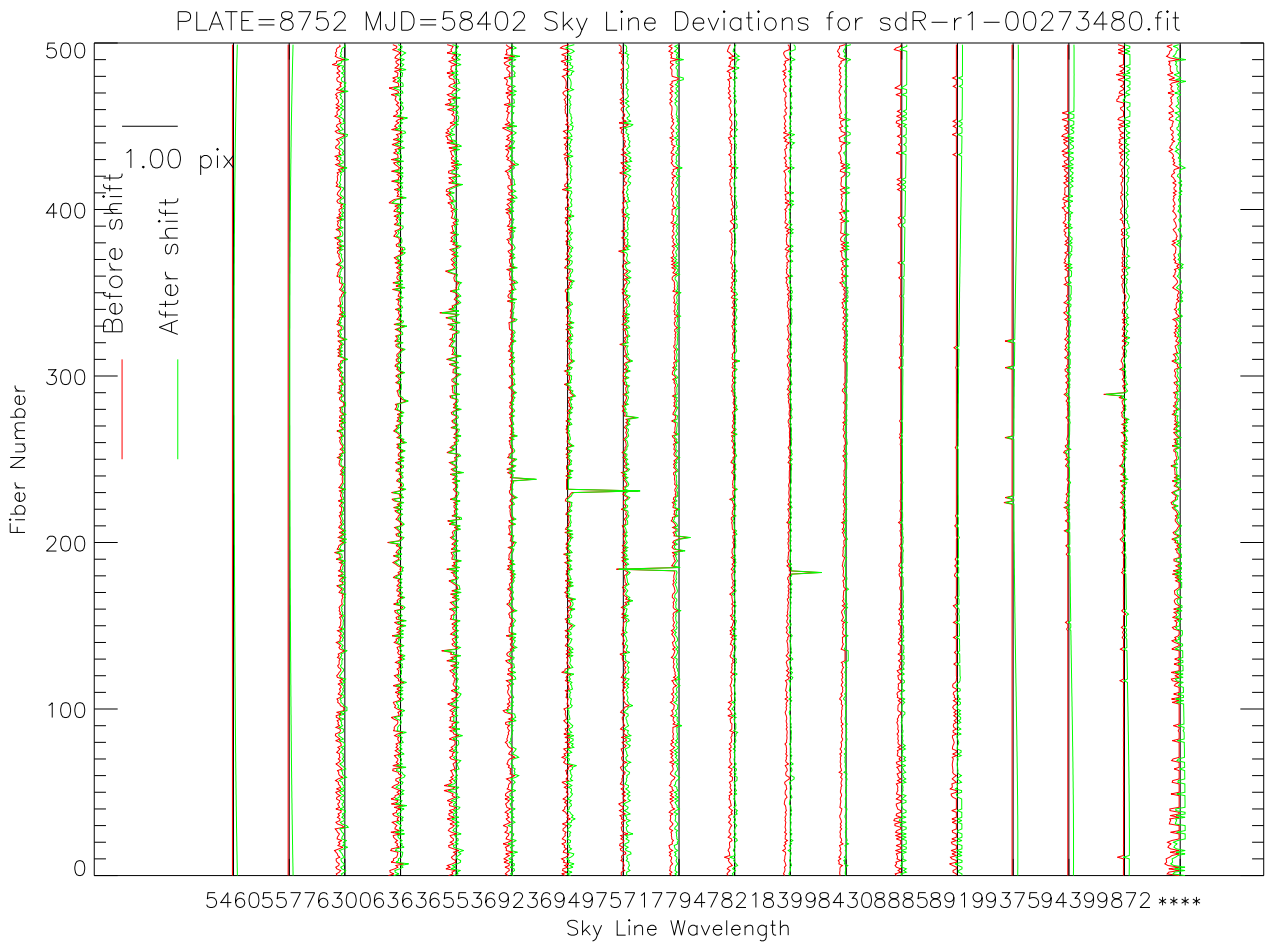


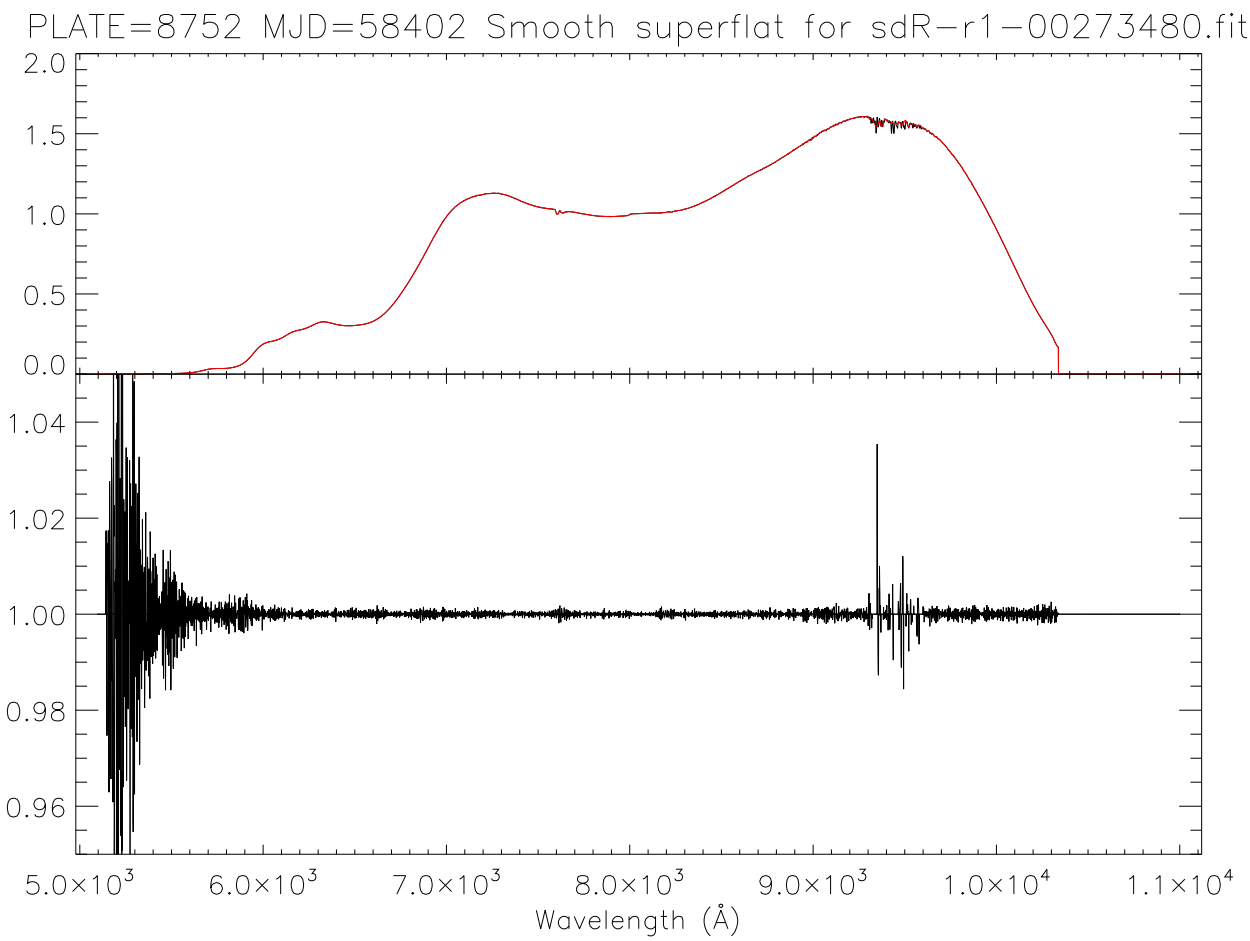

PLATE=8752 MJD=58402 sdR-r1-00273479.fit Skyline Flux at 7343,0
Flux (7343.0)/Airmass
RED = sky fiber
Dispersion = 1.22 %
Fiber number
Focal Distance [mm]
Airmass

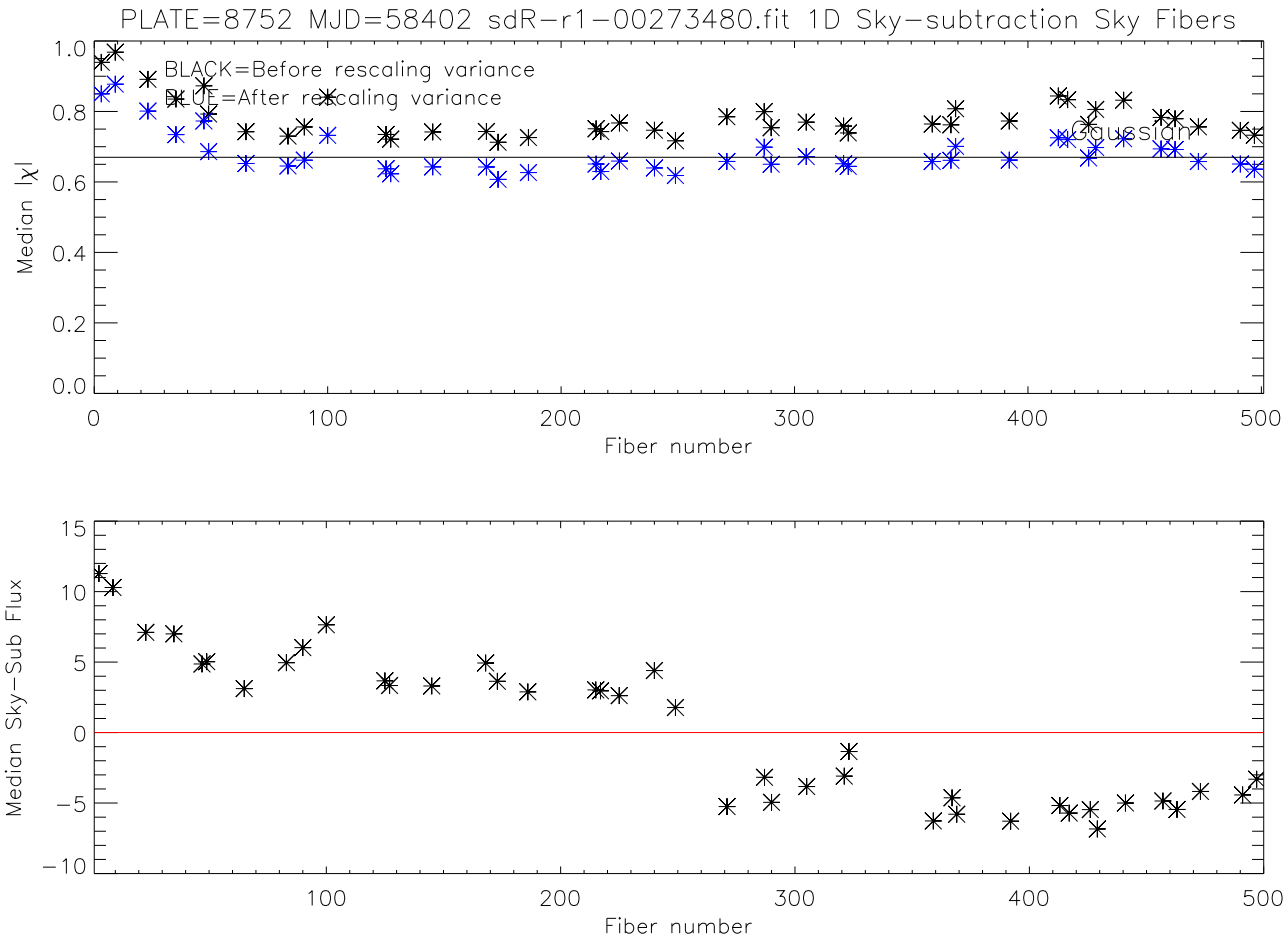

PLATE=8752 MJD=58402 sdR-r1-00273479.fit Skyline Flux at 8888.3
Flux (8888.3)/Airmass
Fiber number
RED = sky fiber
Dispersion = 31.03 %
Flux (8888.3)/Airmass
Focal Distance [mm]
Flux (8888.3)/Airmass
Airmass

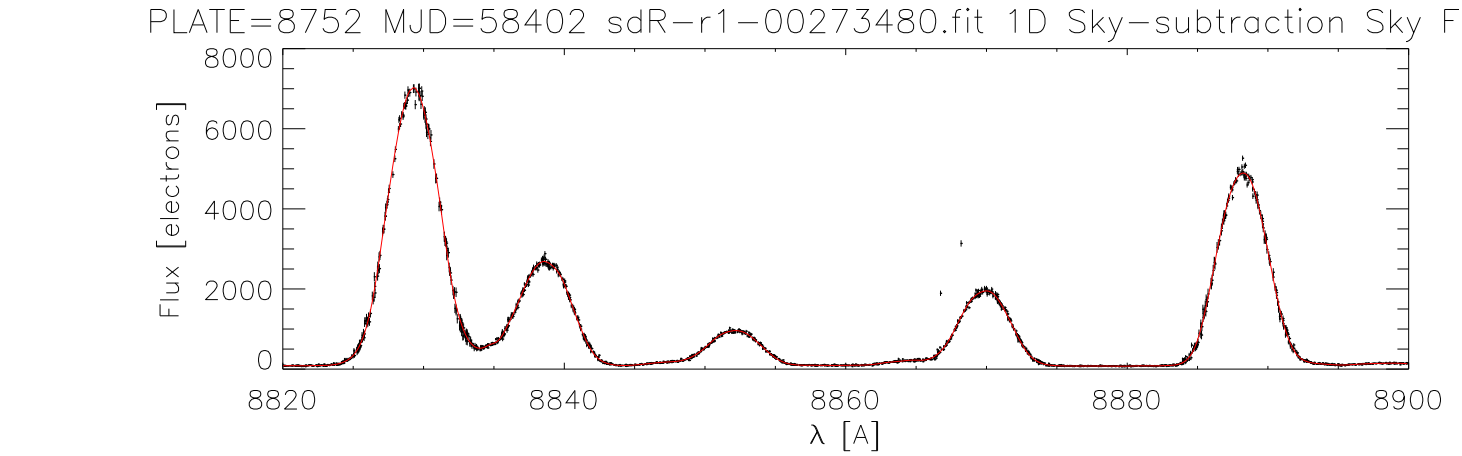

PLATE=8752 MJD=58402 Fiber−Flats for sdR−r1−00273476.fit
BLACK = Median value
ENVELOPE = 95% of points
GREEN = Outlier points
Min value = −1.091
Max value = 9.803
Fiber−Flat
1.5
1.0
0.5
0.0
6.0×10^3
7.0×10^3
8.0×10^3
9.0×10^3
1.0×10^4
1.1×10^4
λ [A]
Mon Mar 18 18:16:50 2019

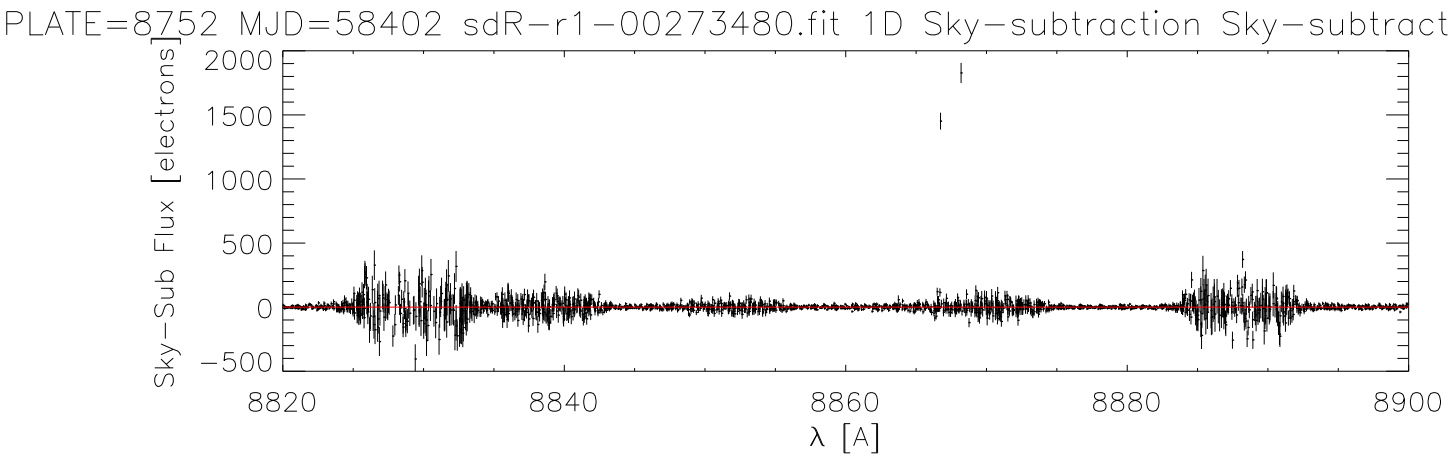

PLATE=8752 MJD=58402 Extraction chi^2 for sdR−r1−00273480.fit
BLACK = Final chisq extraction
χ^2
1.0
0.8
0.6
0.4
0.2
0.0
0
1000
2000
3000
4000
Row number


PLATE=8752 MJD=58402 Sky Line Deviations for sdR-r1-00273480.fit
500
400
300
200
100
0
Fiber Number
1.00 pix
Before shift
After shift
5460557763006363655369236949757177947821839984308885891993759439987 2 ****
Sky Line Wavelength

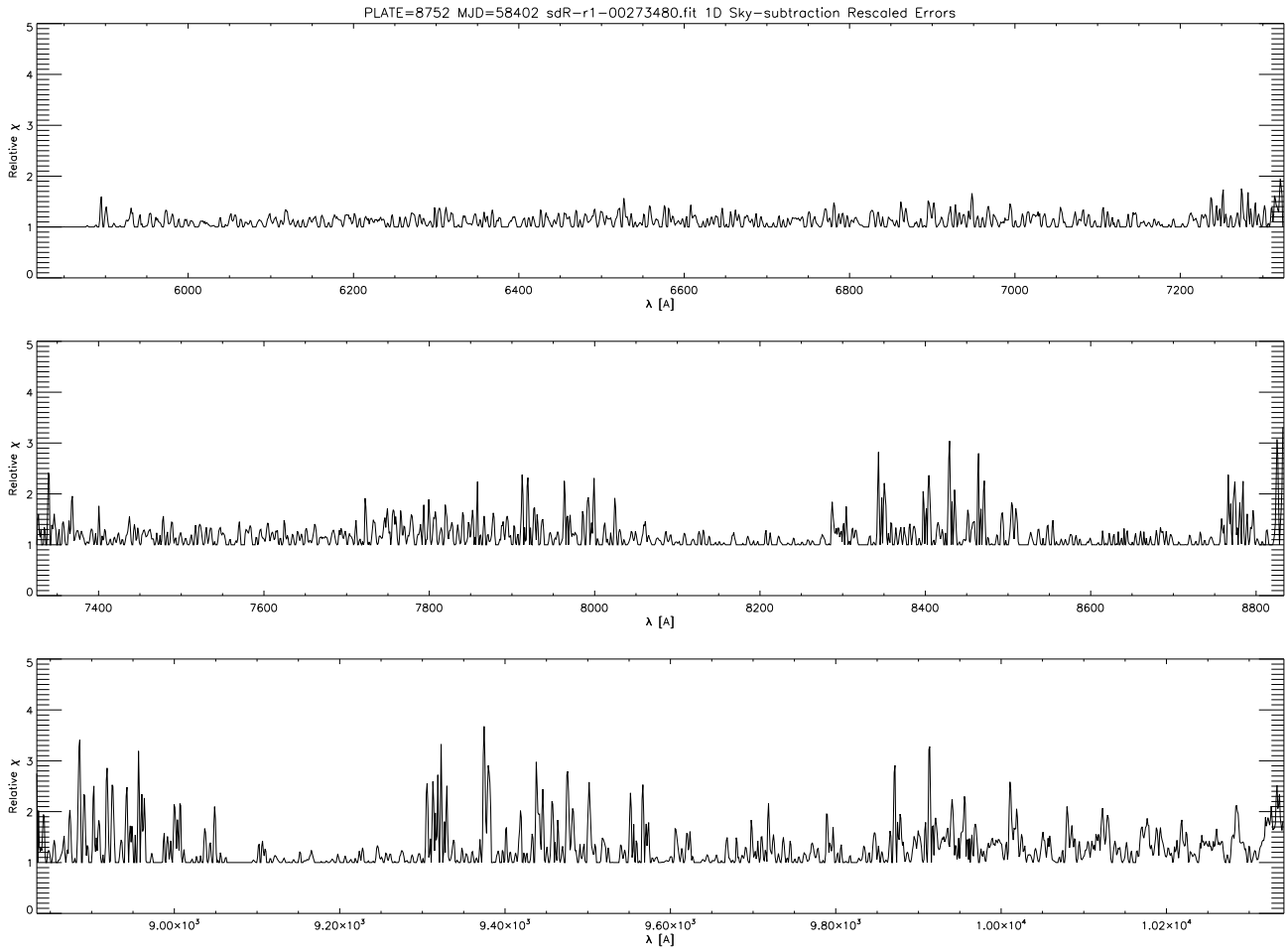

PLATE=8752 MJD=58402 Smooth superflat for sdR-r1-00273480.fit
2.0
1.5
1.0
0.5
0.0
1.04
1.02
1.00
0.98
0.96
5.0×10^3
6.0×10^3
7.0×10^3
8.0×10^3
9.0×10^3
1.0×10^4
1.1×10^4
Wavelength (Å)

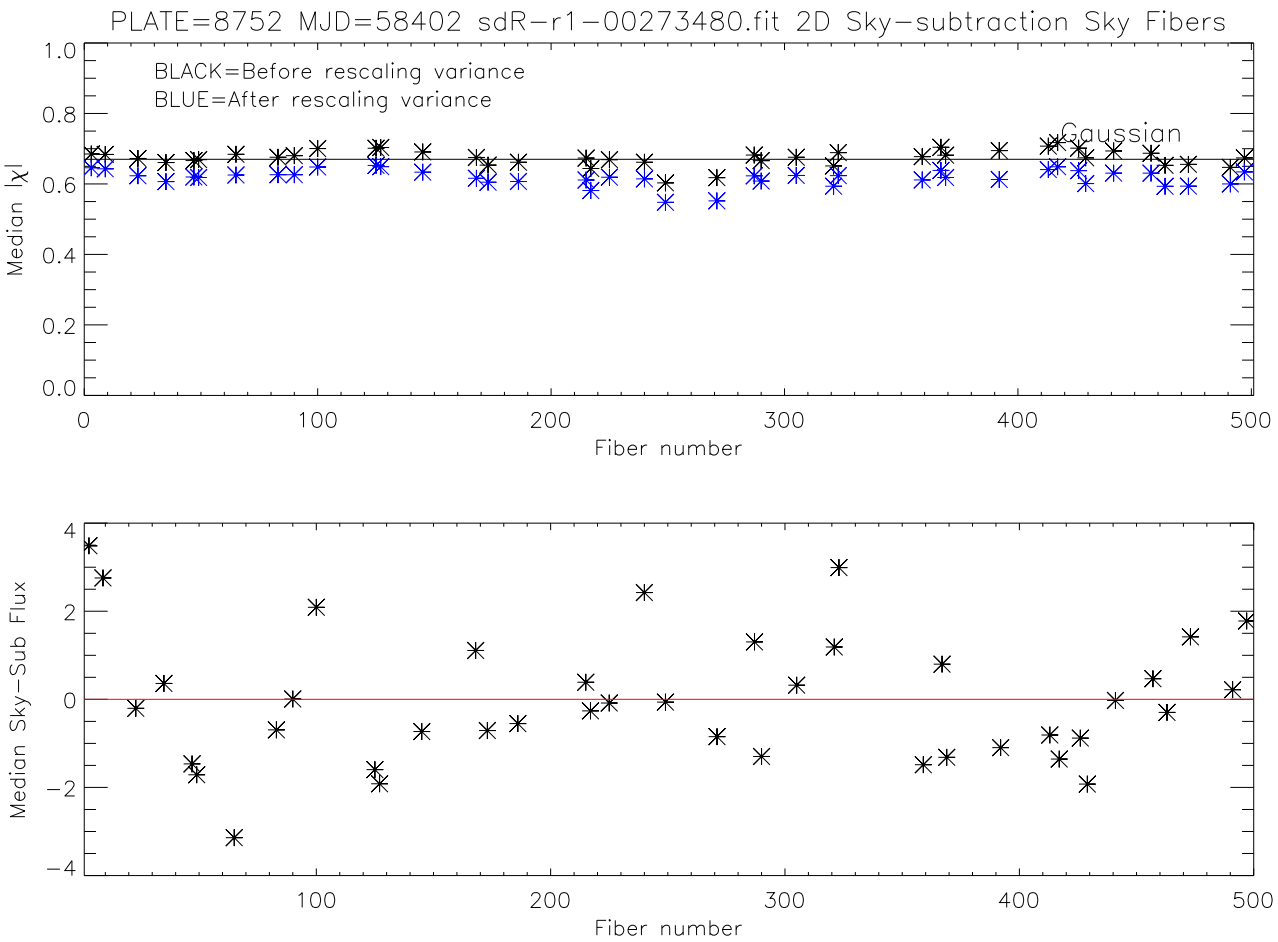

PLATE=8752 MJD=58402 sdR-r1-00273480.fit 1D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

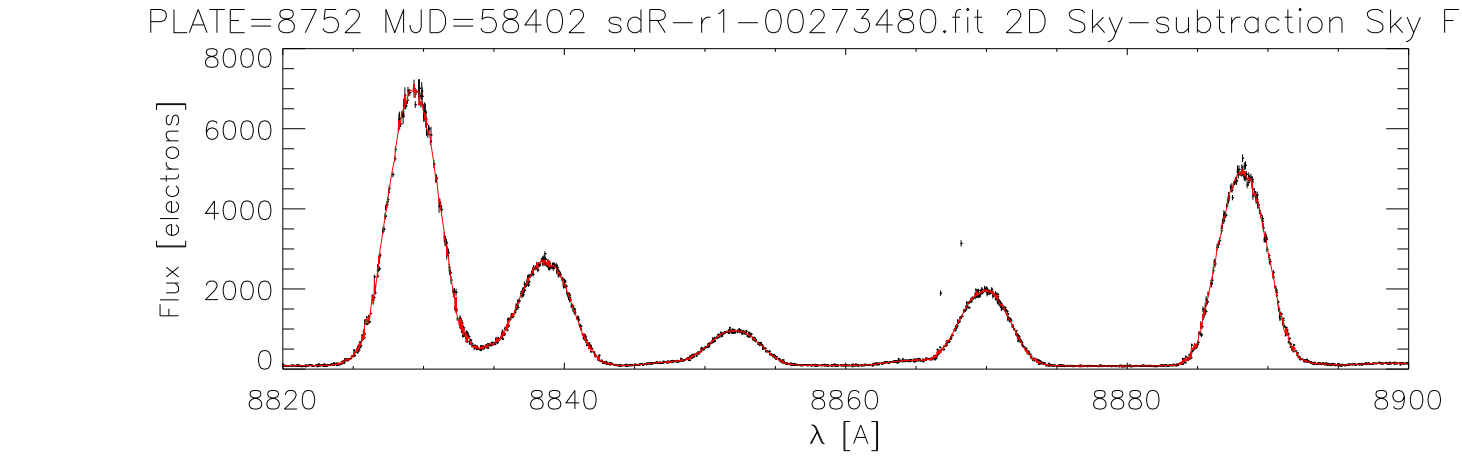

PLATE=8752 MJD=58402 sdR-r1-00273480.fit 1D Sky-subtraction Sky Fibers
Flux [electrons]
8000
6000
4000
2000
0
8820
8840
8860
8880
8900
λ [A]

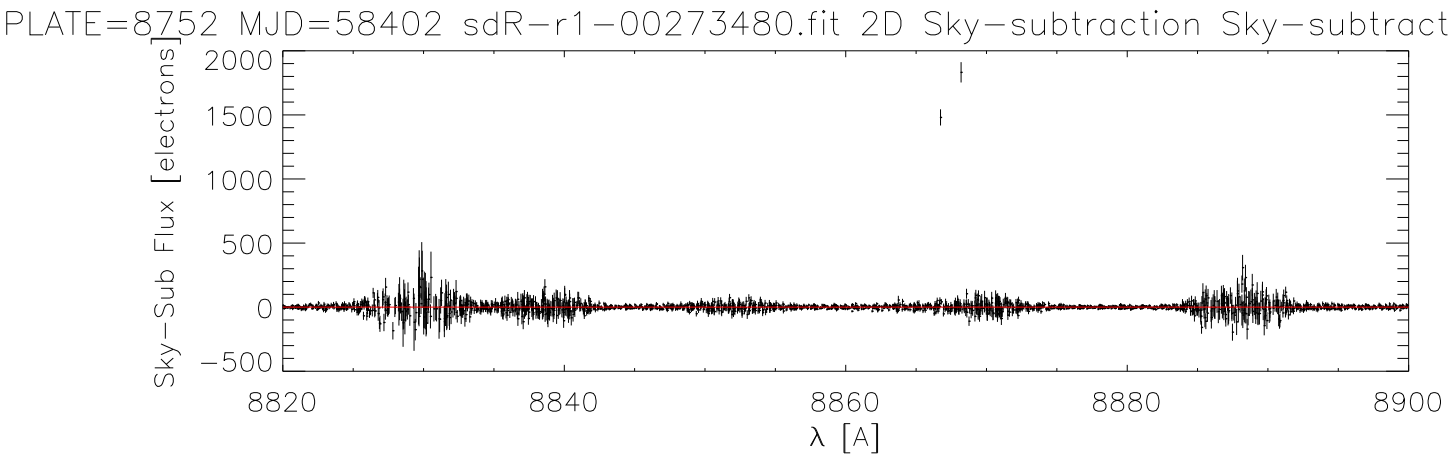

PLATE=8752 MJD=58402 sdR-r1-00273480.fit 1D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
2000
1500
1000
500
0
−500
8820
8840
8860
8880
8900
λ [A]

Number of sky fibers = 41

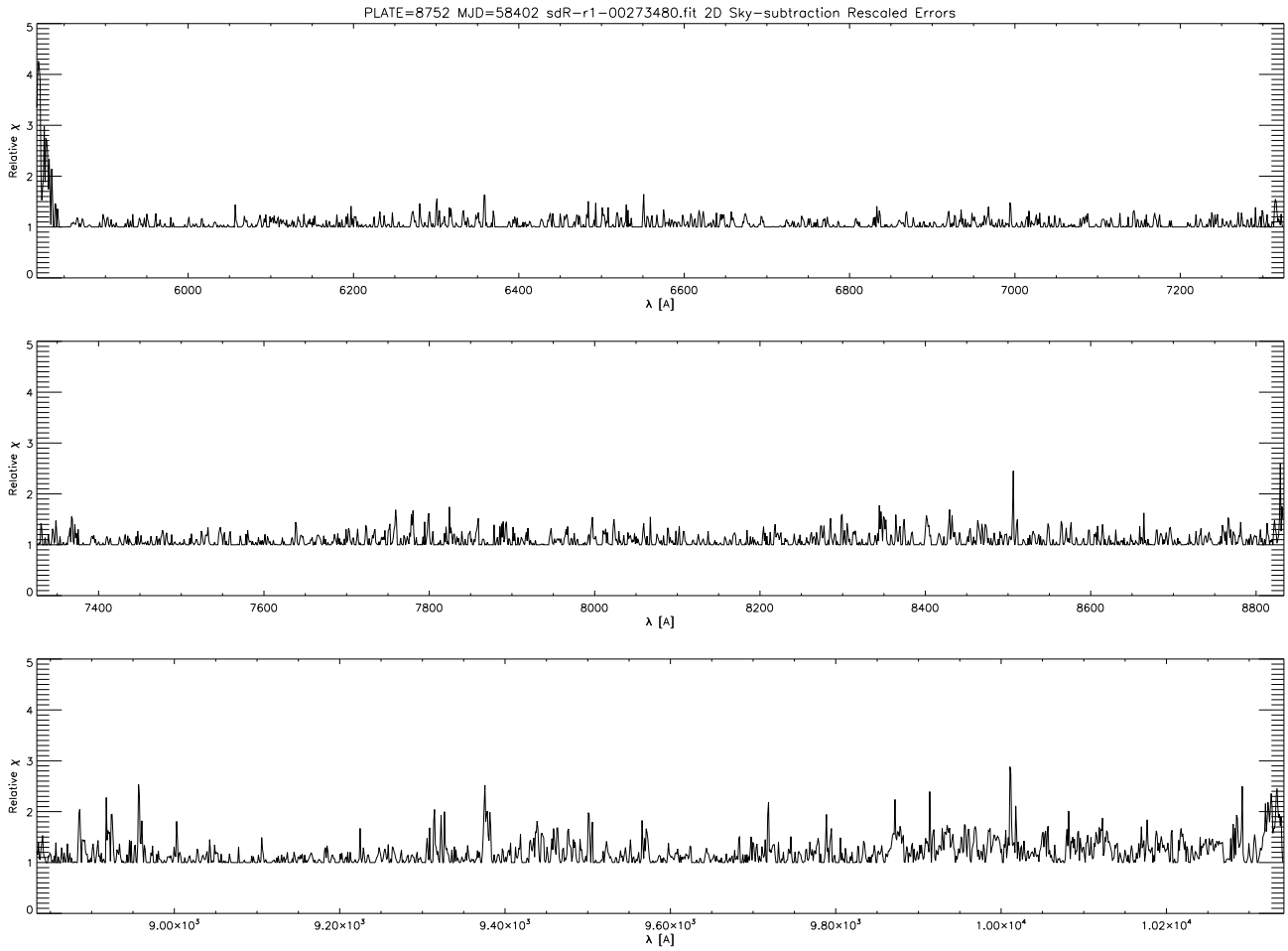


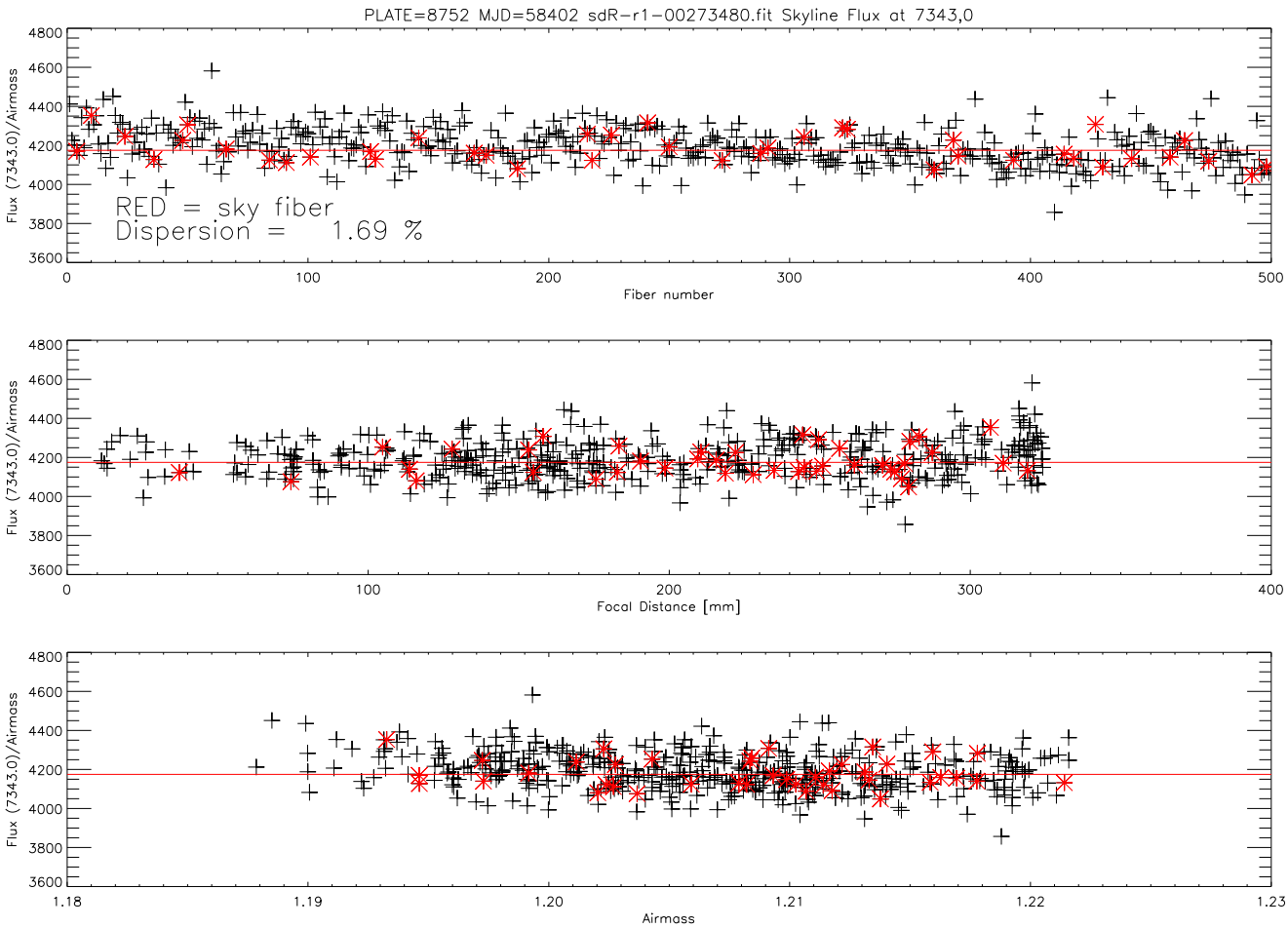

PLATE=8752 MJD=58402 sdR-r1-00273480.fit 2D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

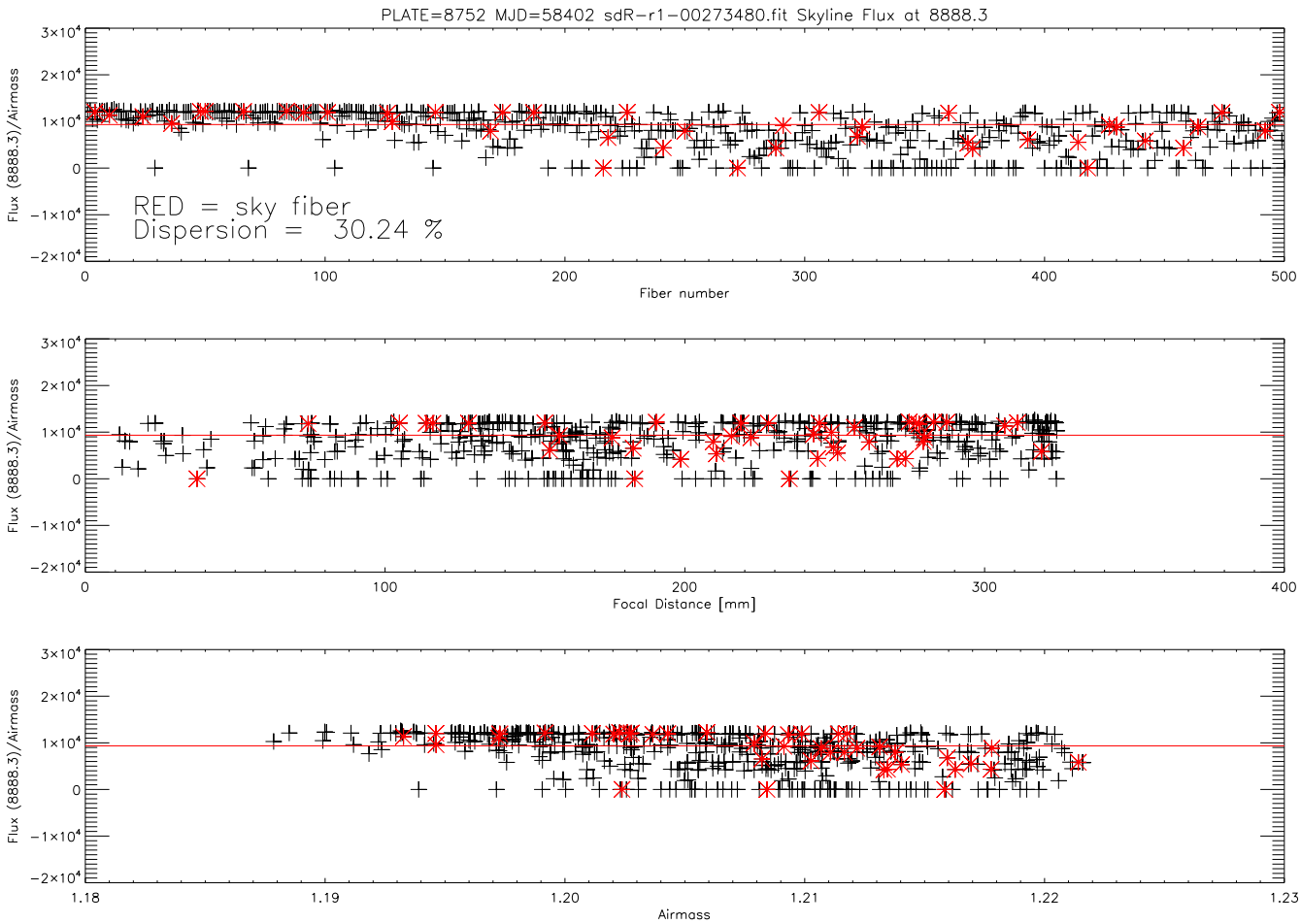

PLATE=8752 MJD=58402 sdR-r1-00273480.fit 2D Sky-subtraction Sky Fibers
Flux [electrons]
8000
6000
4000
2000
0
8820
8840
8860
8880
8900
λ [A]

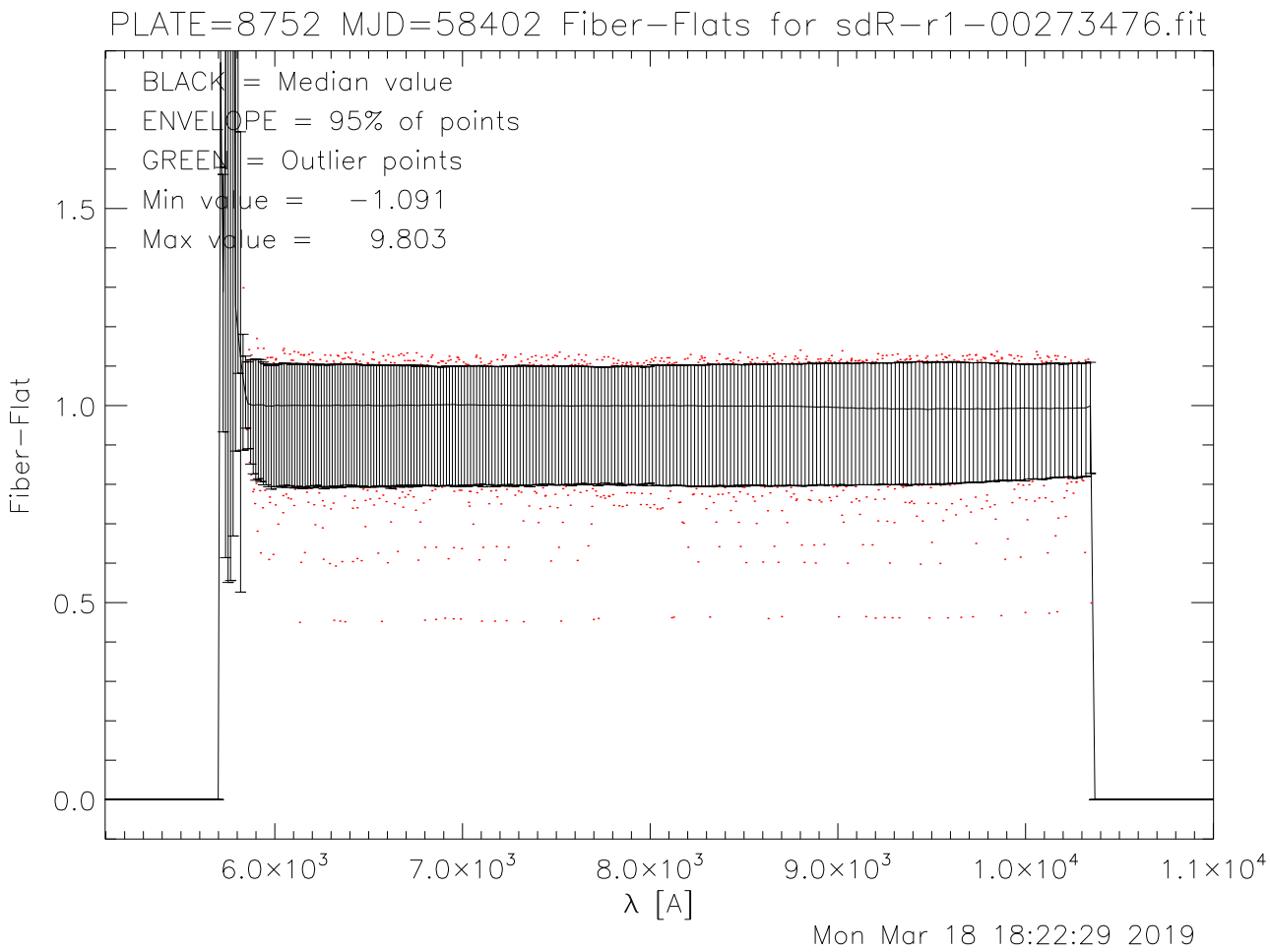

PLATE=8752 MJD=58402 sdR-r1-00273480.fit 2D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
2000
1500
1000
500
0
-500
8820
8840
8860
8880
8900
λ [A]

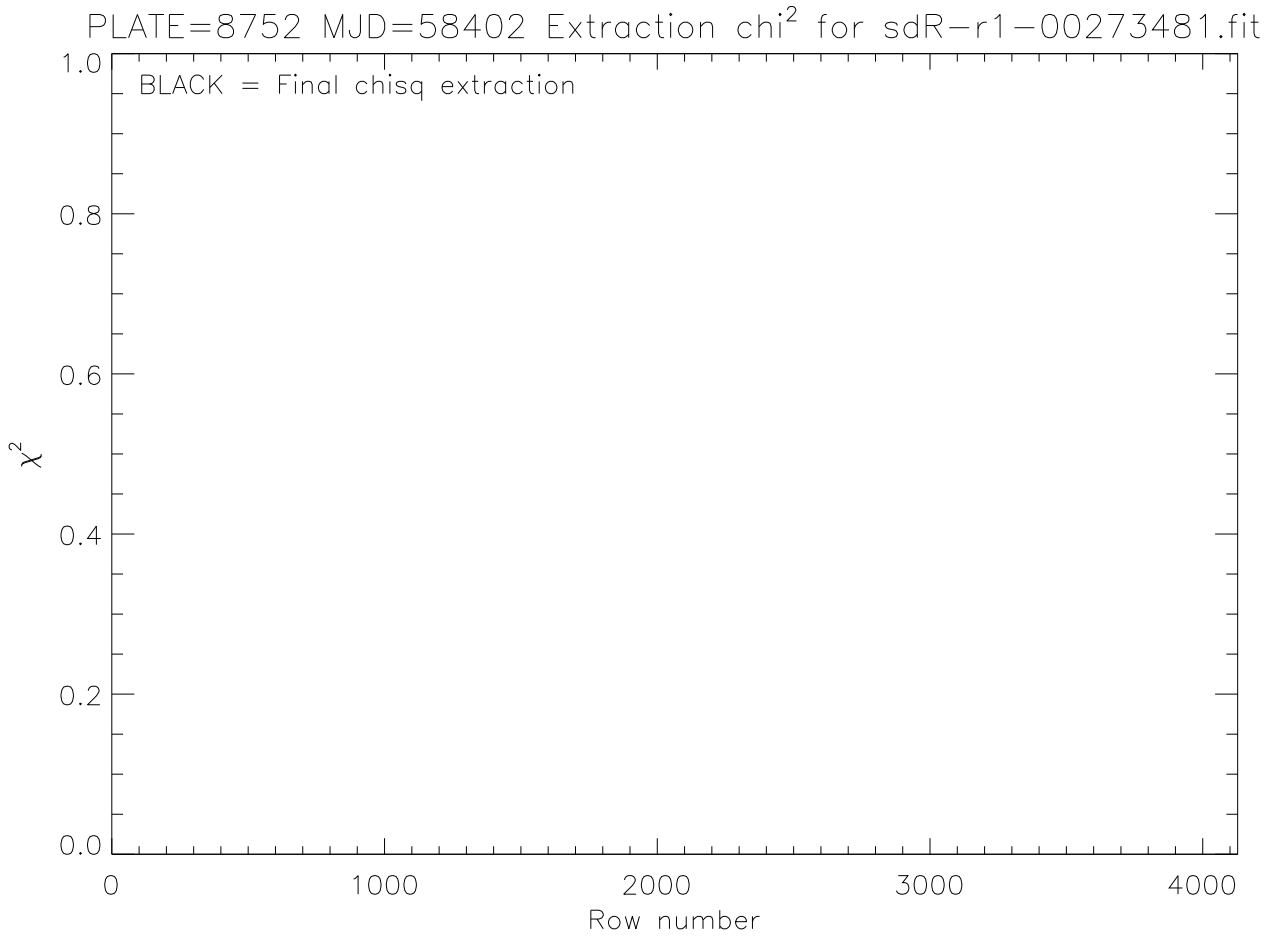
Number of sky fibers = 41

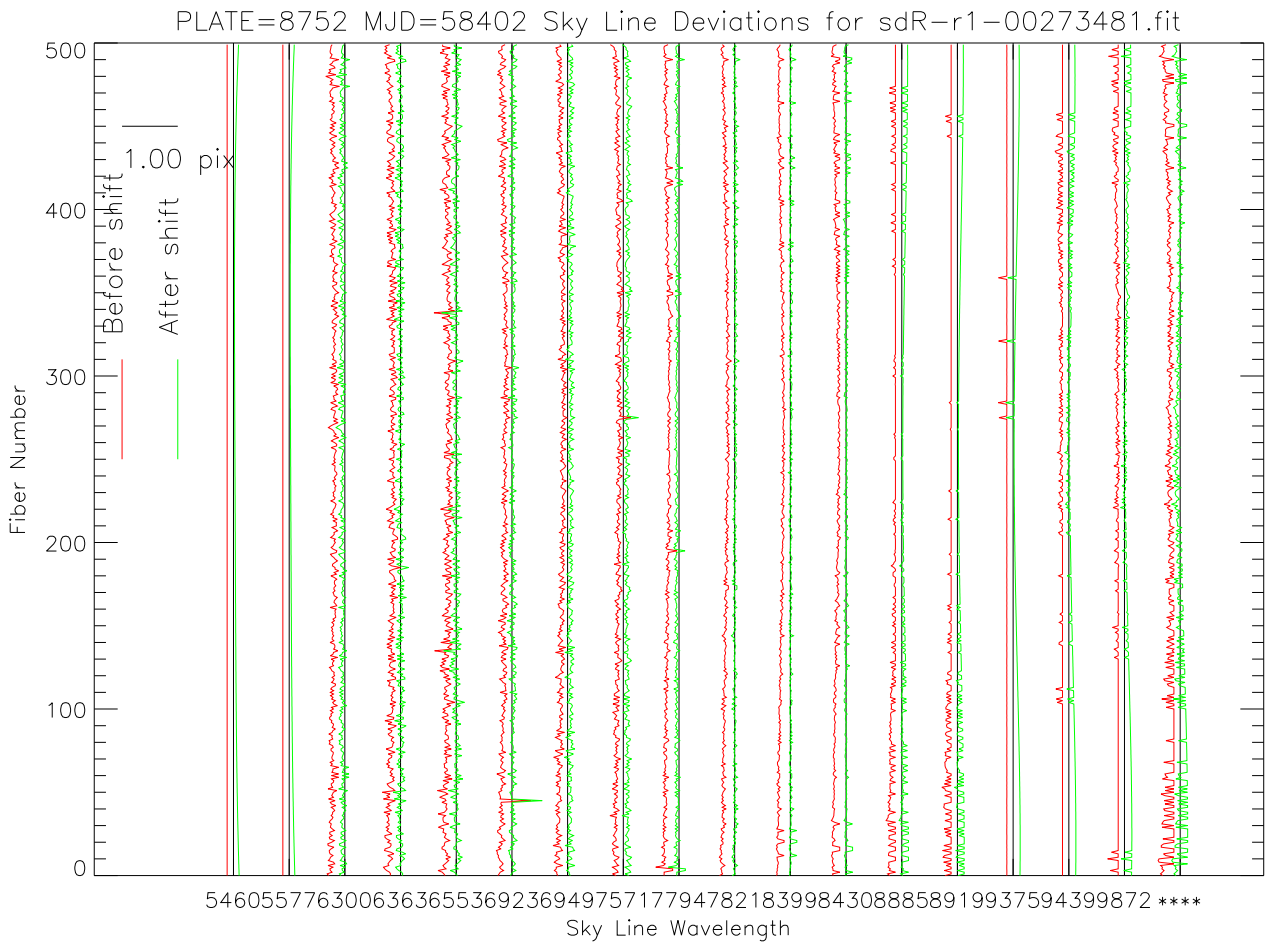


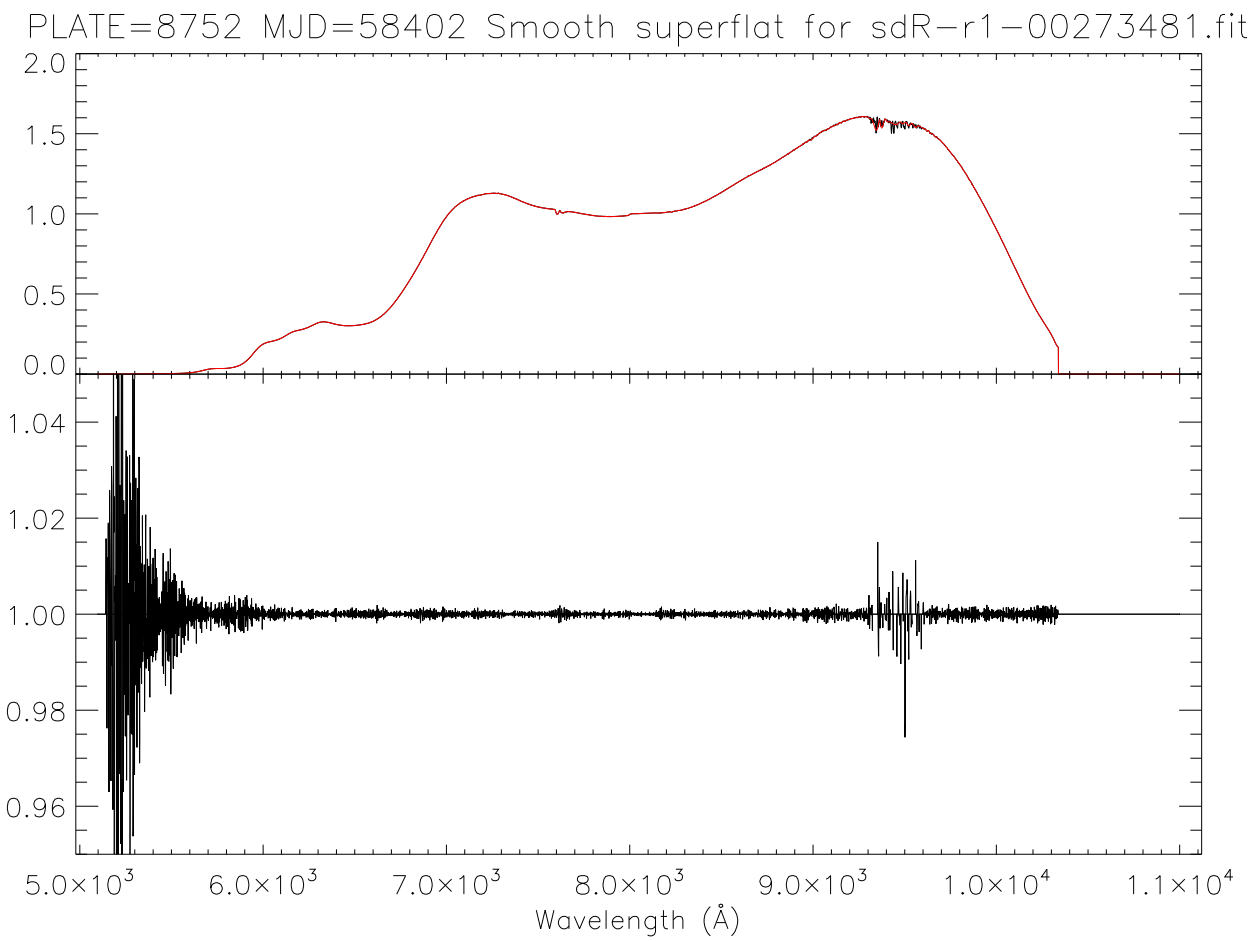

PLATE=8752 MJD=58402 sdR-r1-00273480.fit Skyline Flux at 7343,0
Flux (7343.0)/Airmass
RED = sky fiber
Dispersion = 1.69 %
Fiber number
Flux (7343.0)/Airmass
Focal Distance [mm]
Flux (7343.0)/Airmass
Airmass

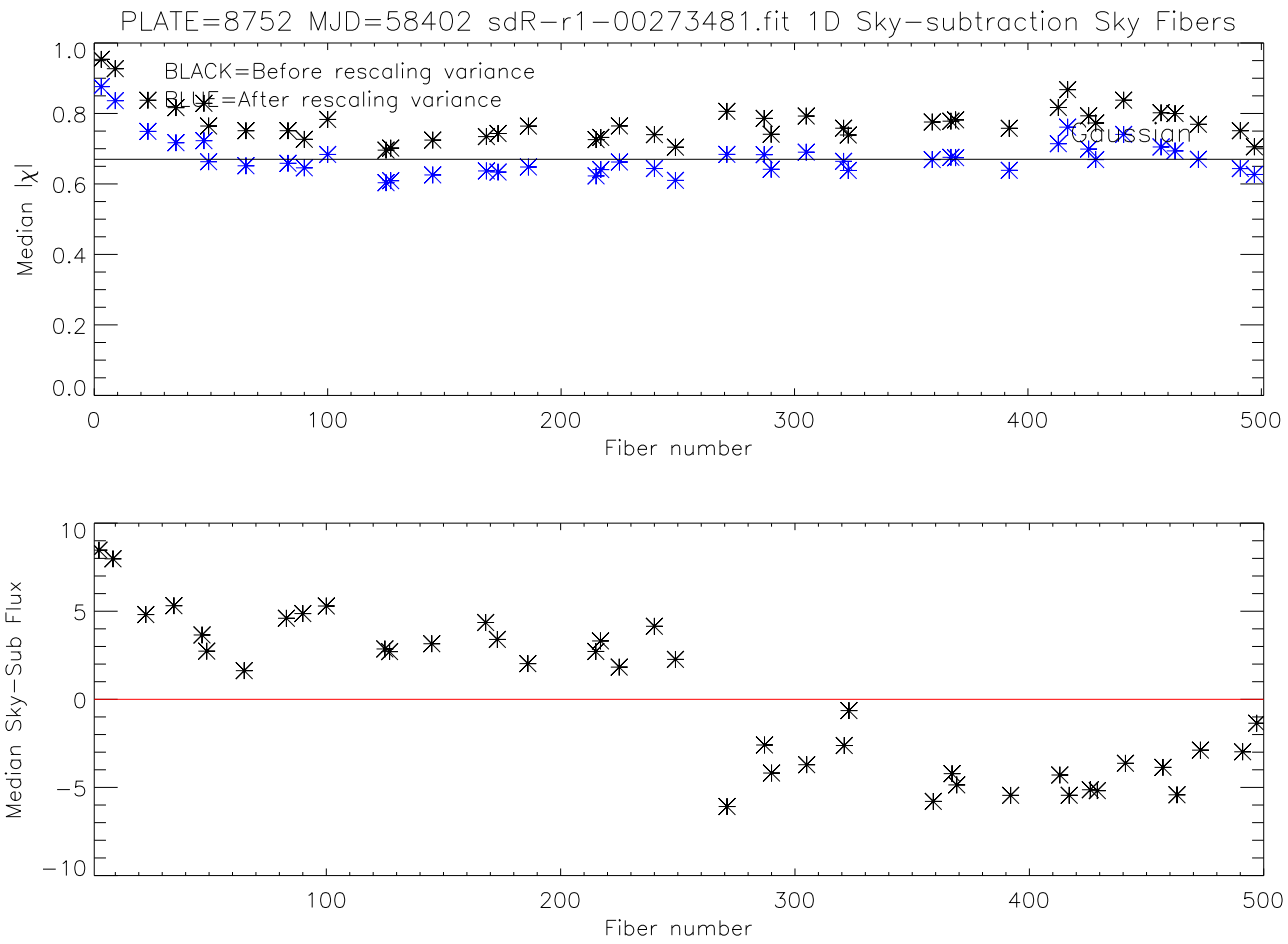

PLATE=8752 MJD=58402 sdR-r1-00273480.fit Skyline Flux at 8888.3
Flux (8888.3)/Airmass
RED = sky fiber
Dispersion = 30.24 %
Fiber number
Focal Distance [mm]
Airmass

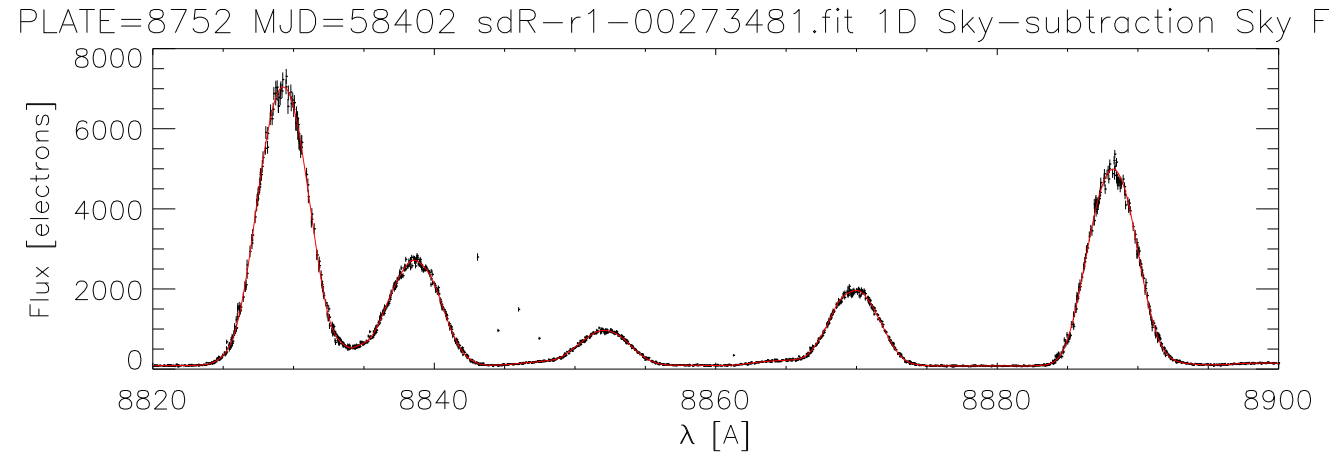

PLATE=8752 MJD=58402 Fiber−Flats for sdR−r1−00273476.fit
BLACK = Median value
ENVELOPE = 95% of points
GREEN = Outlier points
Min value = −1.091
Max value = 9.803
Fiber−Flat
1.5
1.0
0.5
0.0
6.0×10^3
7.0×10^3
8.0×10^3
9.0×10^3
1.0×10^4
1.1×10^4
λ [A]
Mon Mar 18 18:22:29 2019

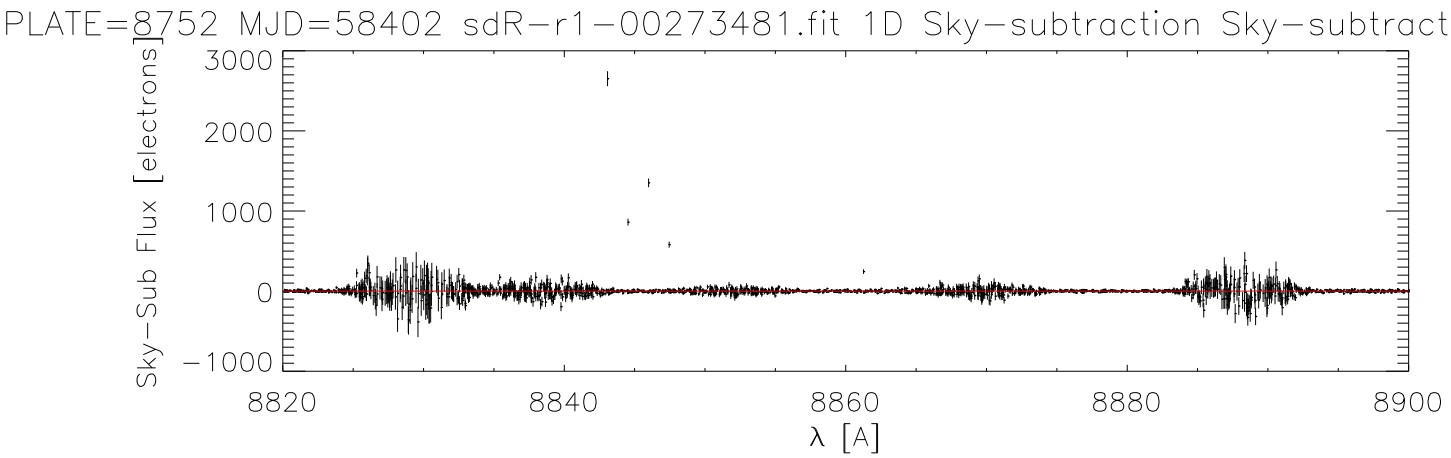

PLATE=8752 MJD=58402 Extraction chi^2 for sdR−r1−00273481.fit
BLACK = Final chisq extraction
χ^2
1.0
0.8
0.6
0.4
0.2
0.0
0
1000
2000
3000
4000
Row number


PLATE=8752 MJD=58402 Sky Line Deviations for sdR-r1-00273481.fit
Before shift
After shift
1.00 pix
Fiber Number
0
100
200
300
400
500
5460557763006363655369236949757177947821839984308885891993759439987 2 ****
Sky Line Wavelength

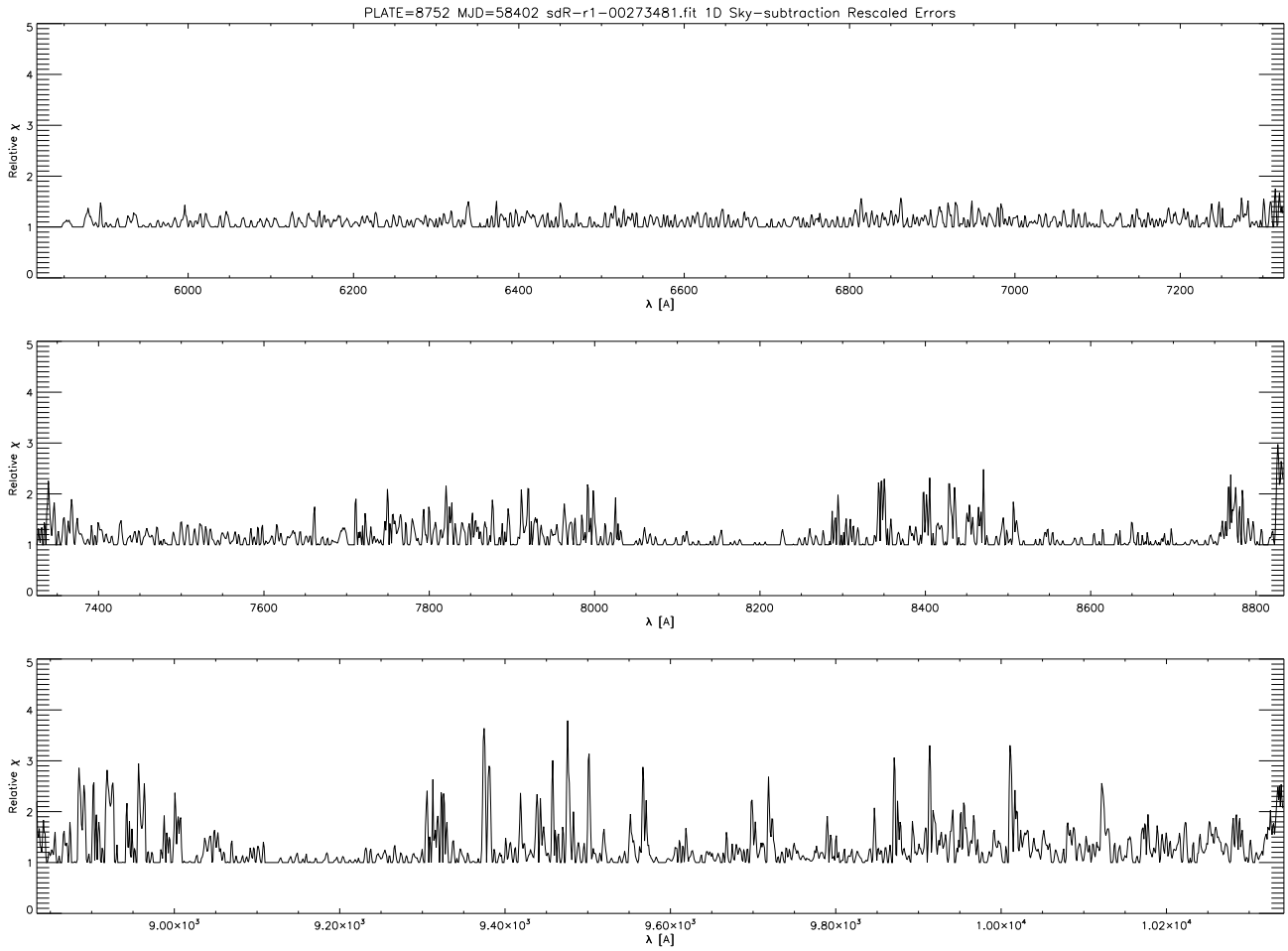

PLATE=8752 MJD=58402 Smooth superflat for sdR-r1-00273481.fit
2.0
1.5
1.0
0.5
0.0
1.04
1.02
1.00
0.98
0.96
5.0×10^3
6.0×10^3
7.0×10^3
8.0×10^3
9.0×10^3
1.0×10^4
1.1×10^4
Wavelength (Å)

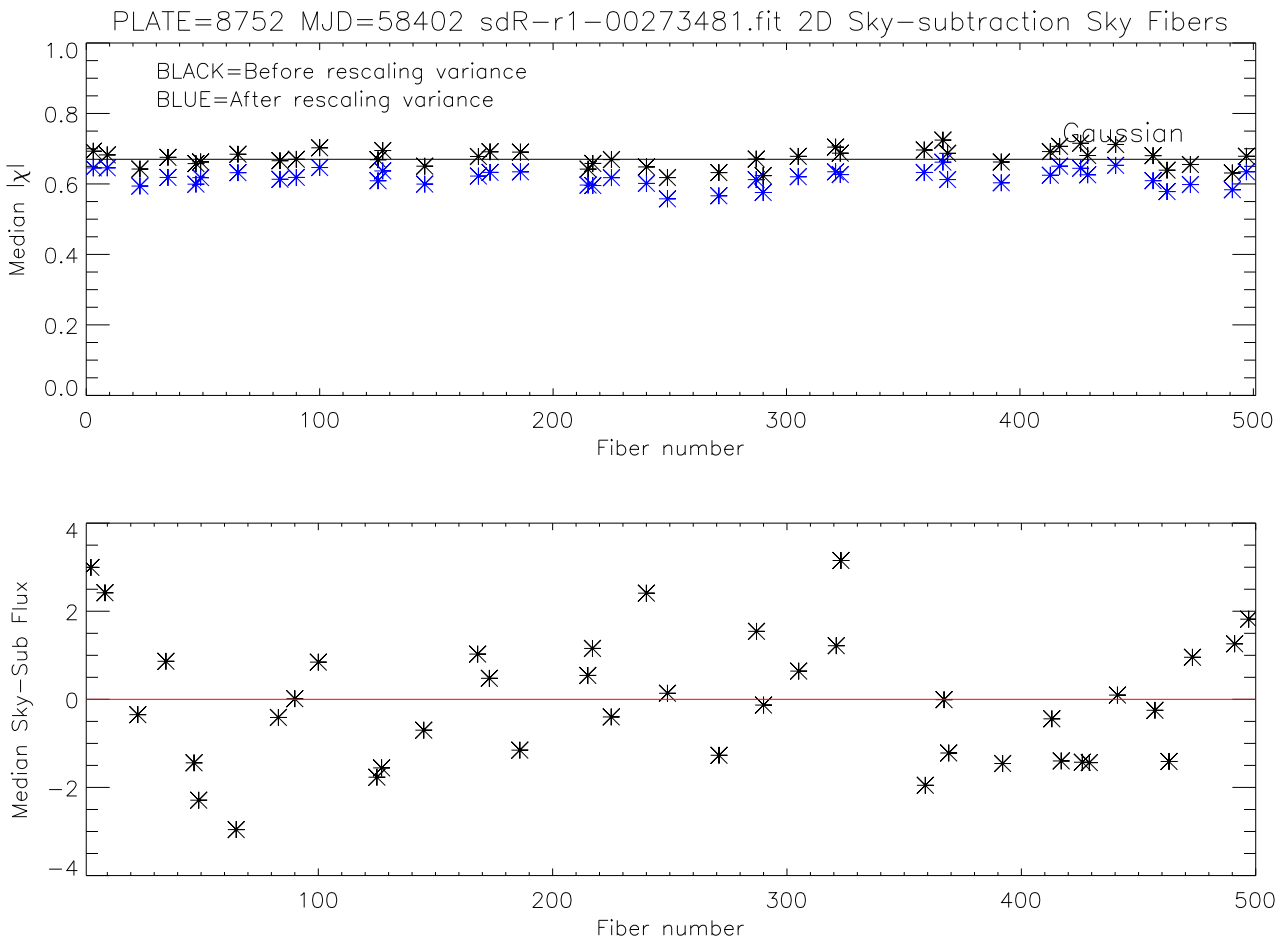

PLATE=8752 MJD=58402 sdR-r1-00273481.fit 1D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

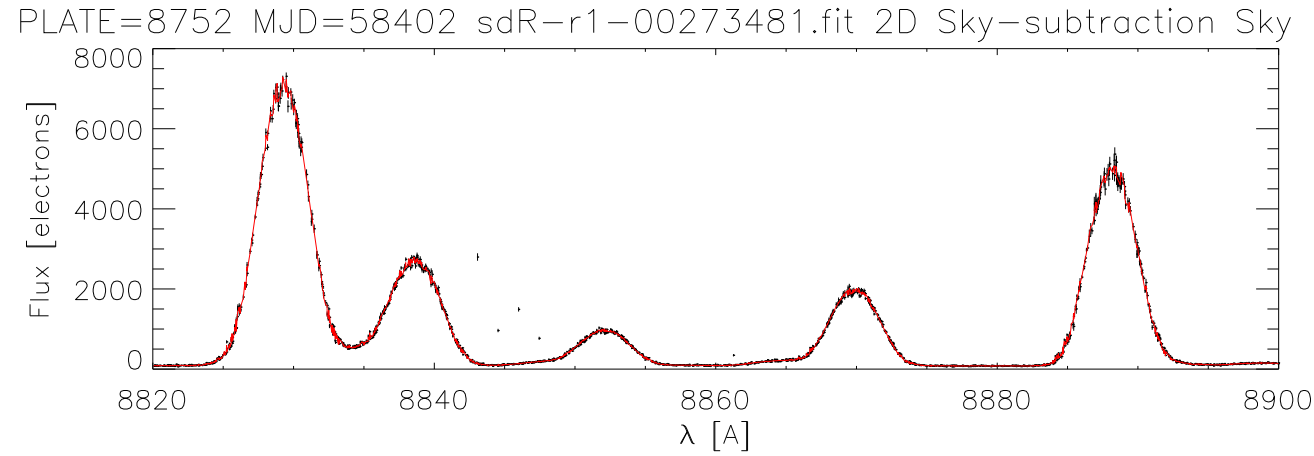

PLATE=8752 MJD=58402 sdR-r1-00273481.fit 1D Sky-subtraction Sky Fibers
Flux [electrons]
8000
6000
4000
2000
0
8820
8840
8860
8880
8900
λ [A]

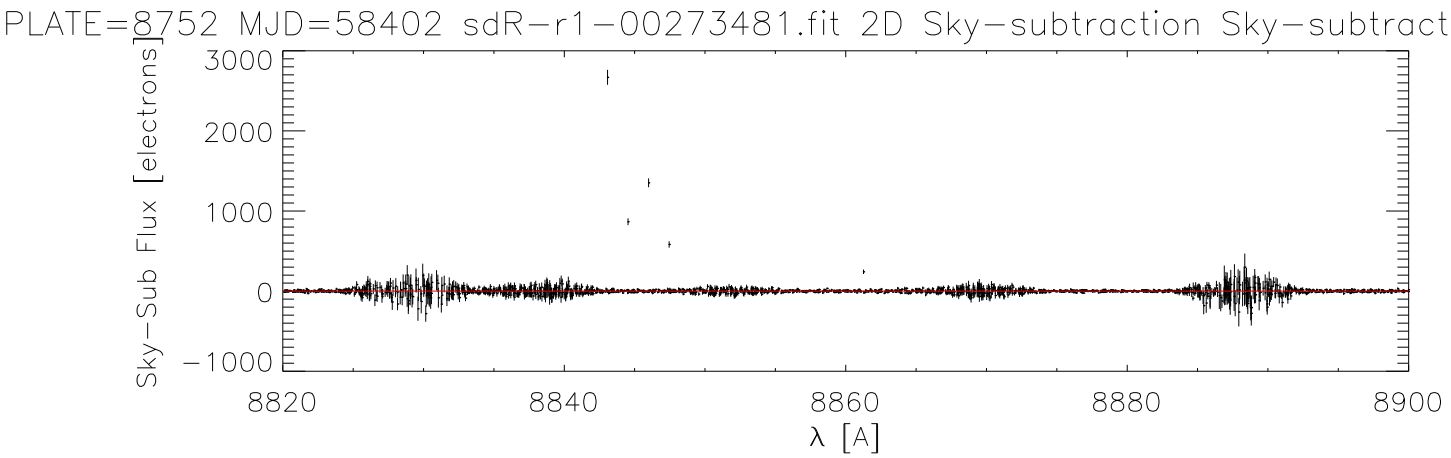

PLATE=8752 MJD=58402 sdR-r1-00273481.fit 1D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
3000
2000
1000
0
-1000
8820
8840
8860
8880
8900
λ [A]

Number of sky fibers = 41

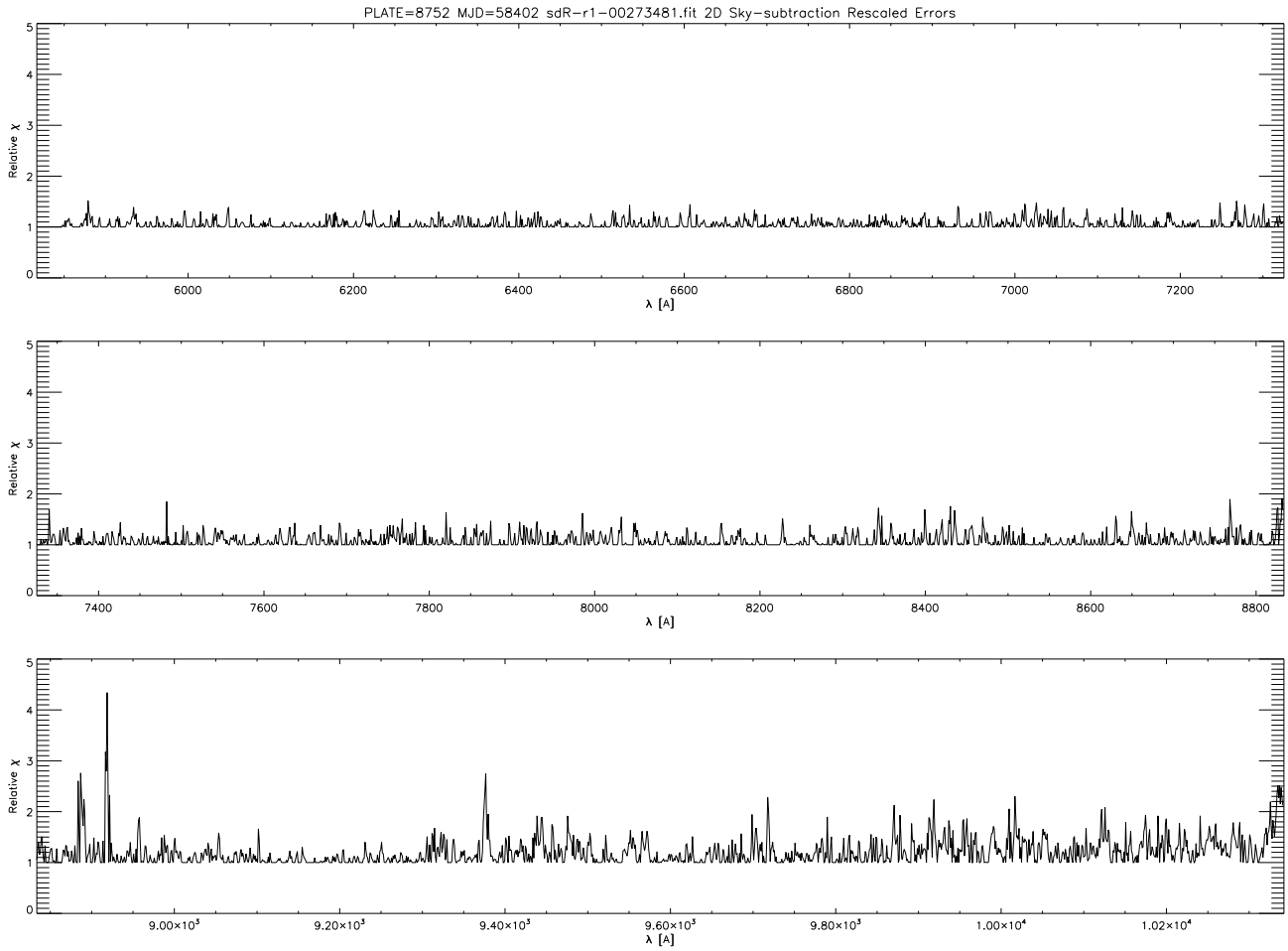


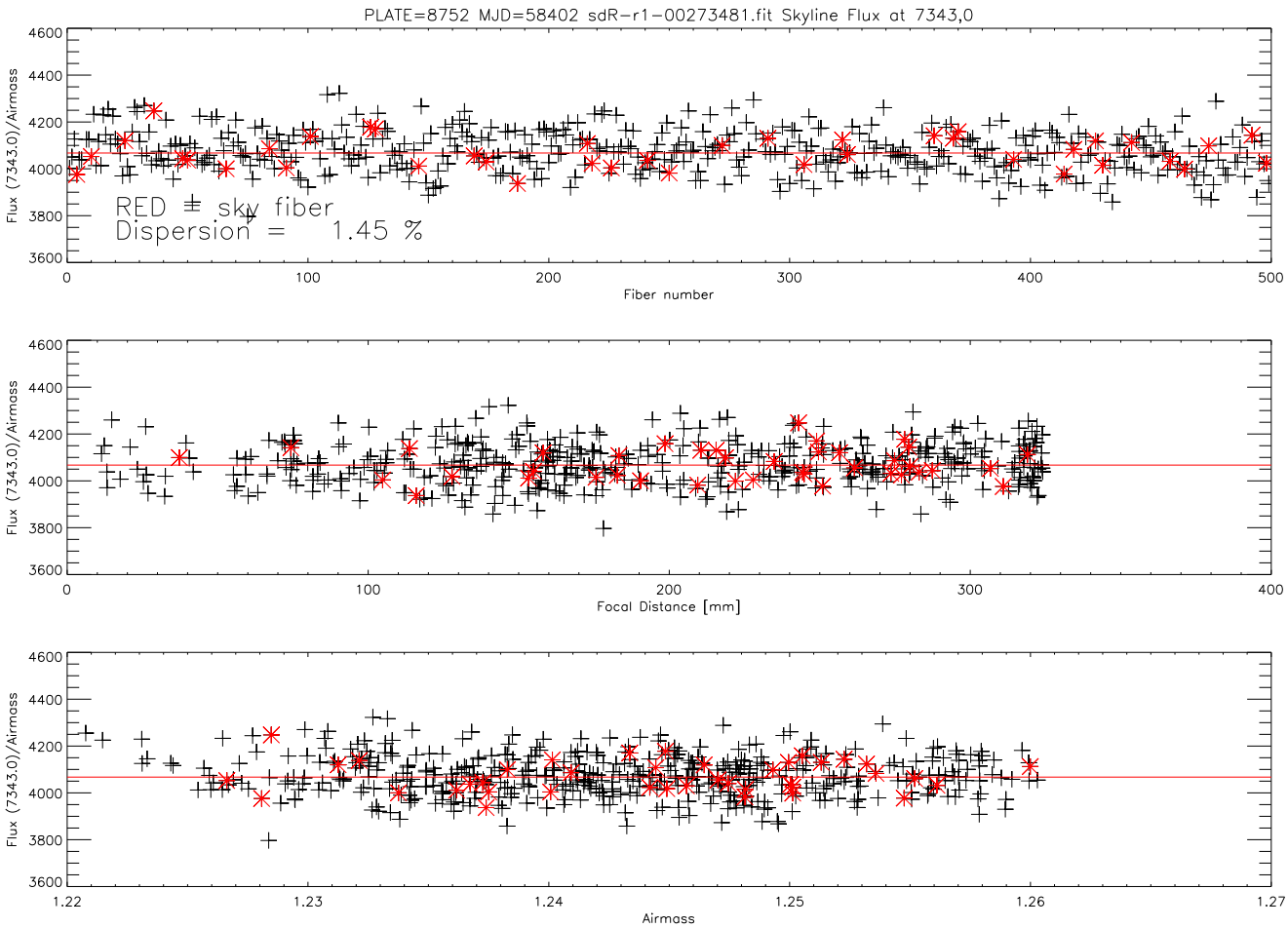

PLATE=8752 MJD=58402 sdR-r1-00273481.fit 2D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

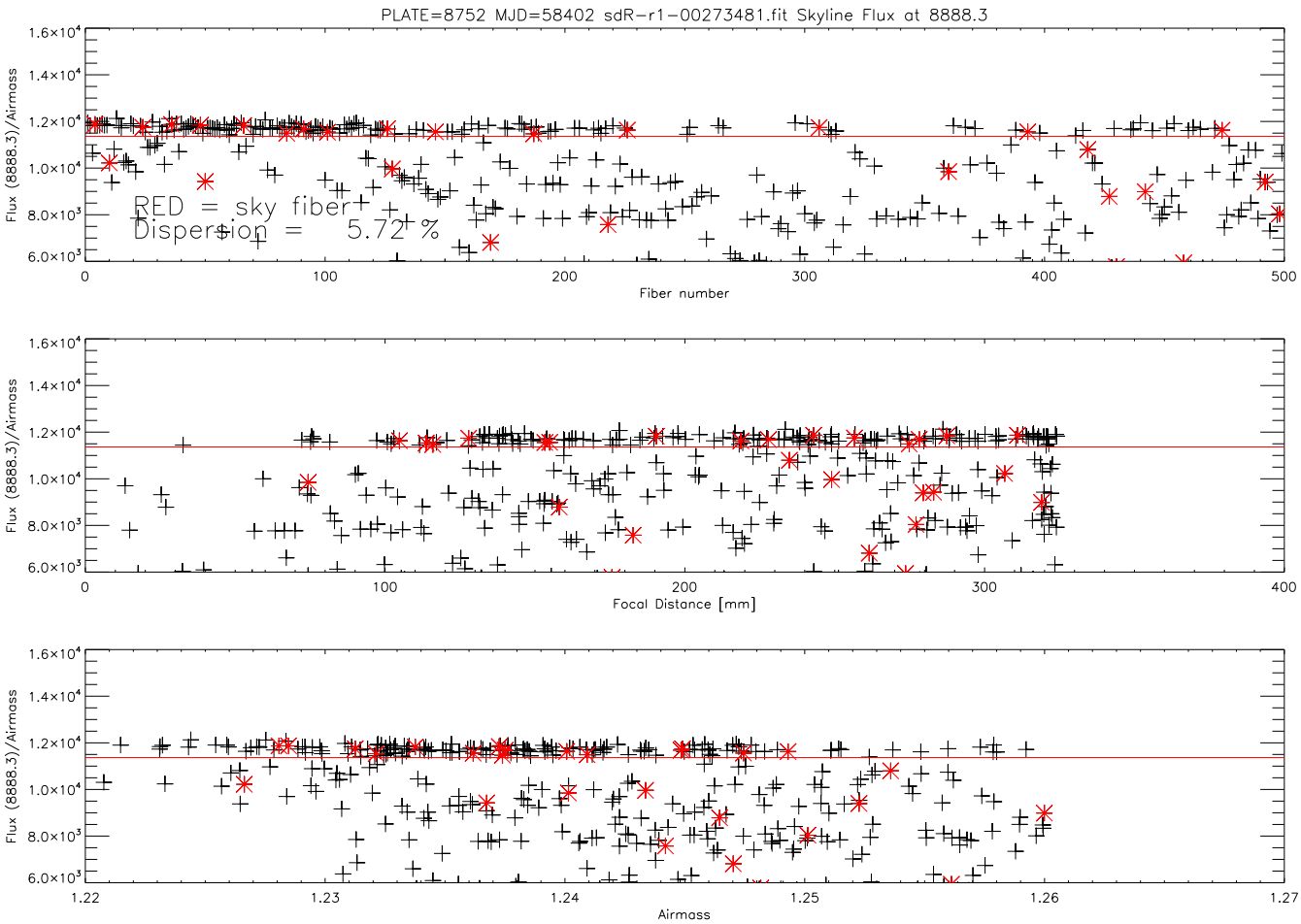

PLATE=8752 MJD=58402 sdR-r1-00273481.fit 2D Sky-subtraction Sky Fibers
Flux [electrons]
8000
6000
4000
2000
0
8820
8840
8860
8880
8900
λ [A]

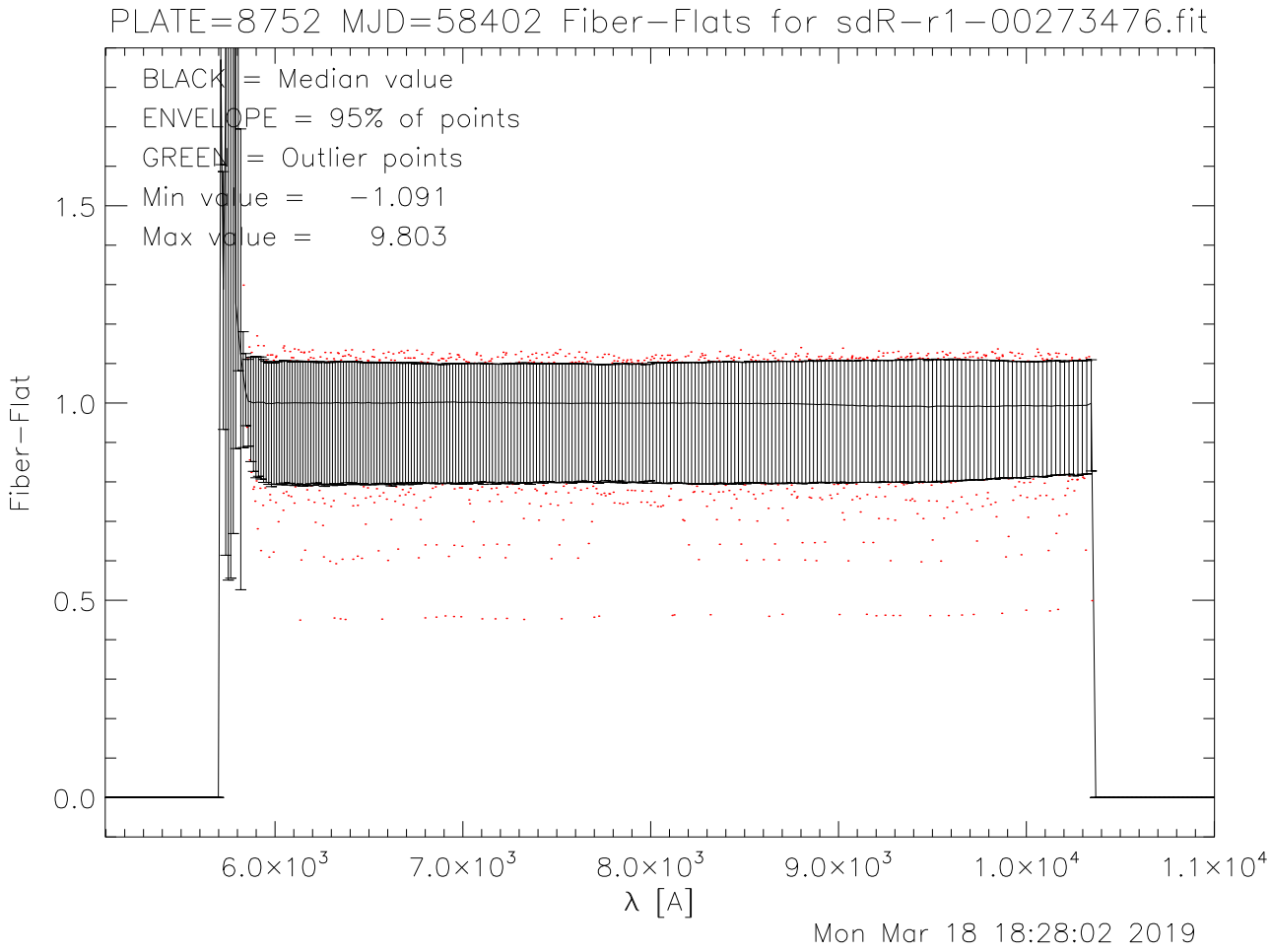

PLATE=8752 MJD=58402 sdR-r1-00273481.fit 2D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
3000
2000
1000
0
-1000
8820
8840
8860
8880
8900
λ [A]

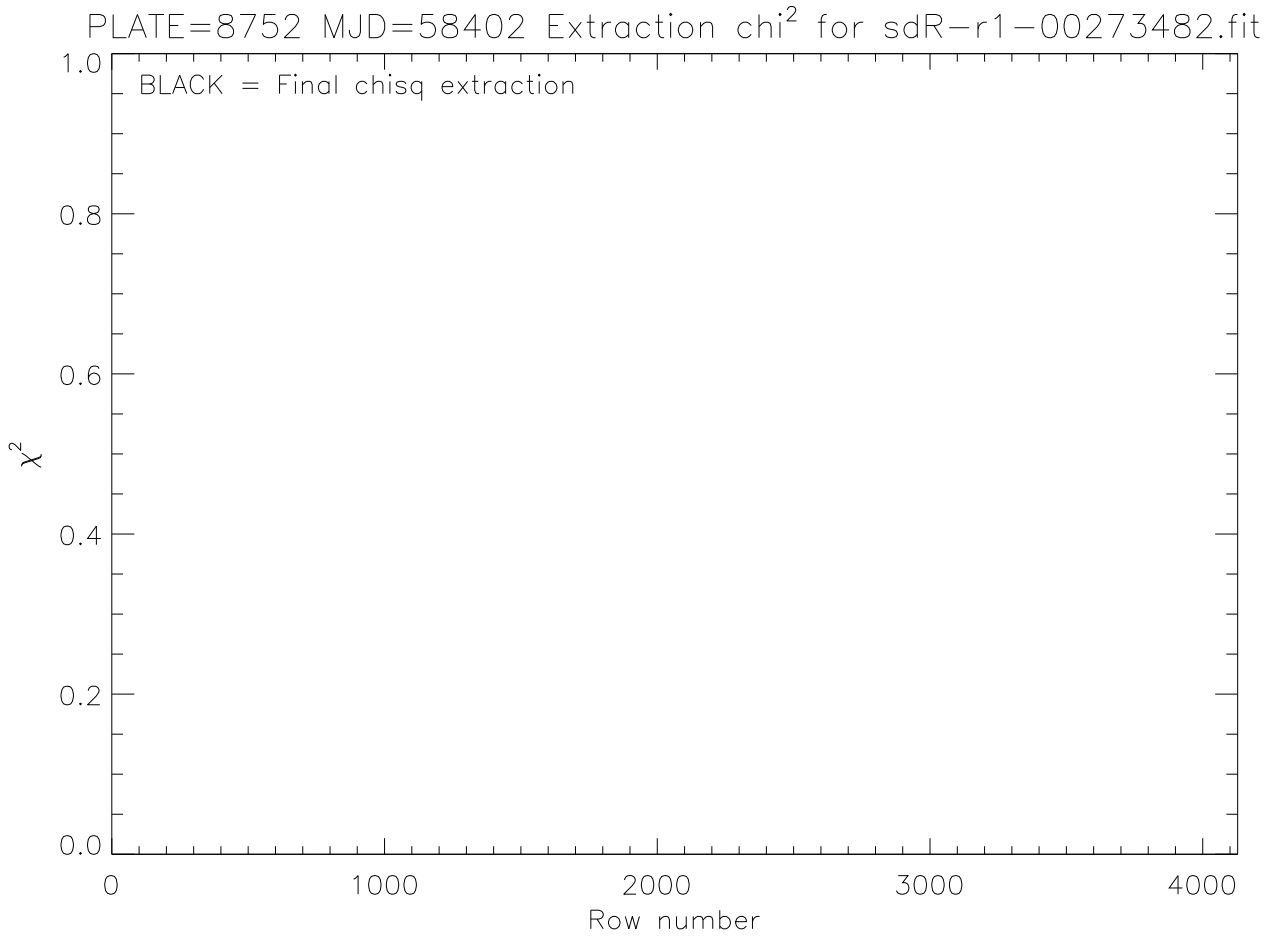
Number of sky fibers = 41

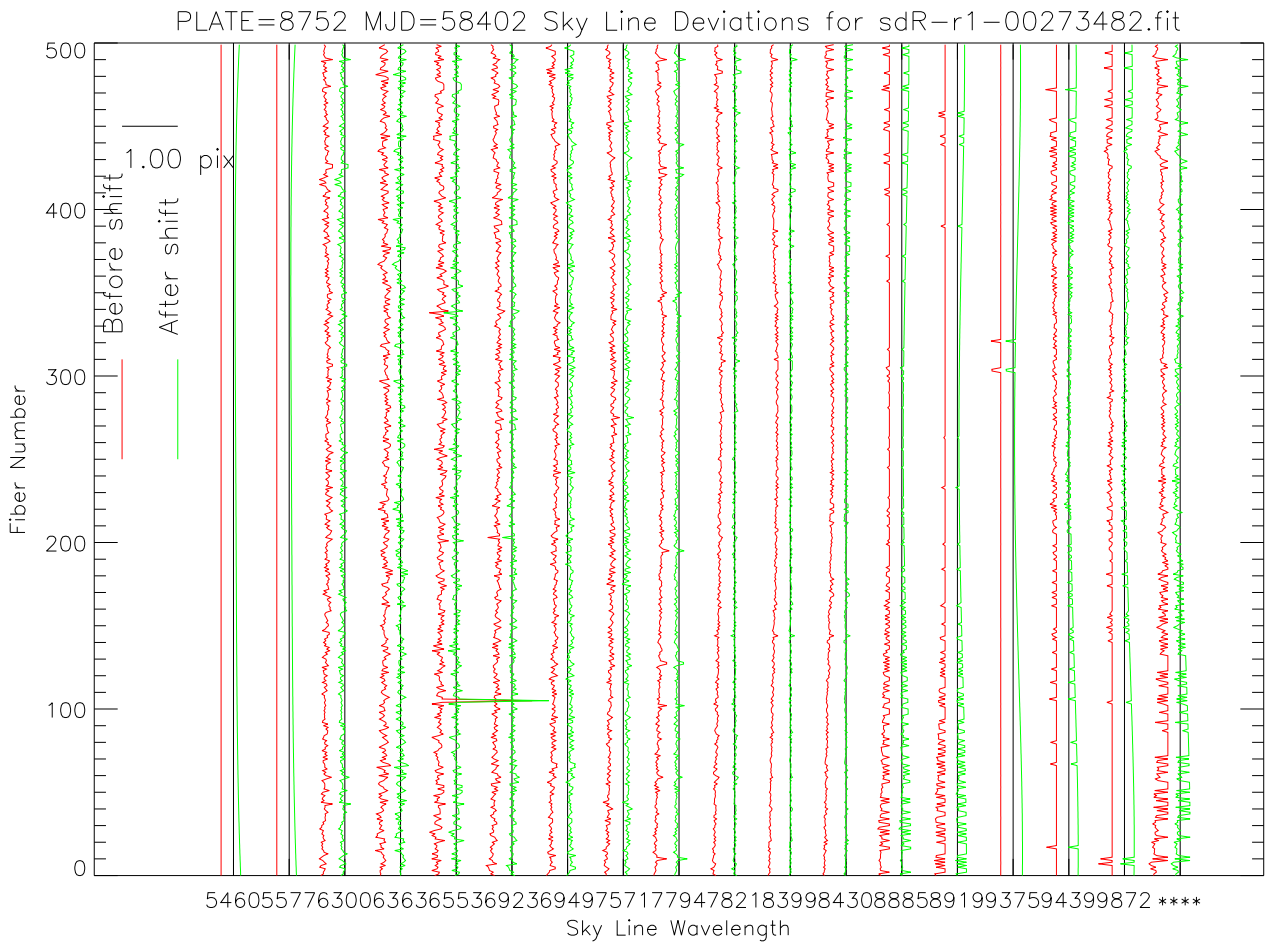


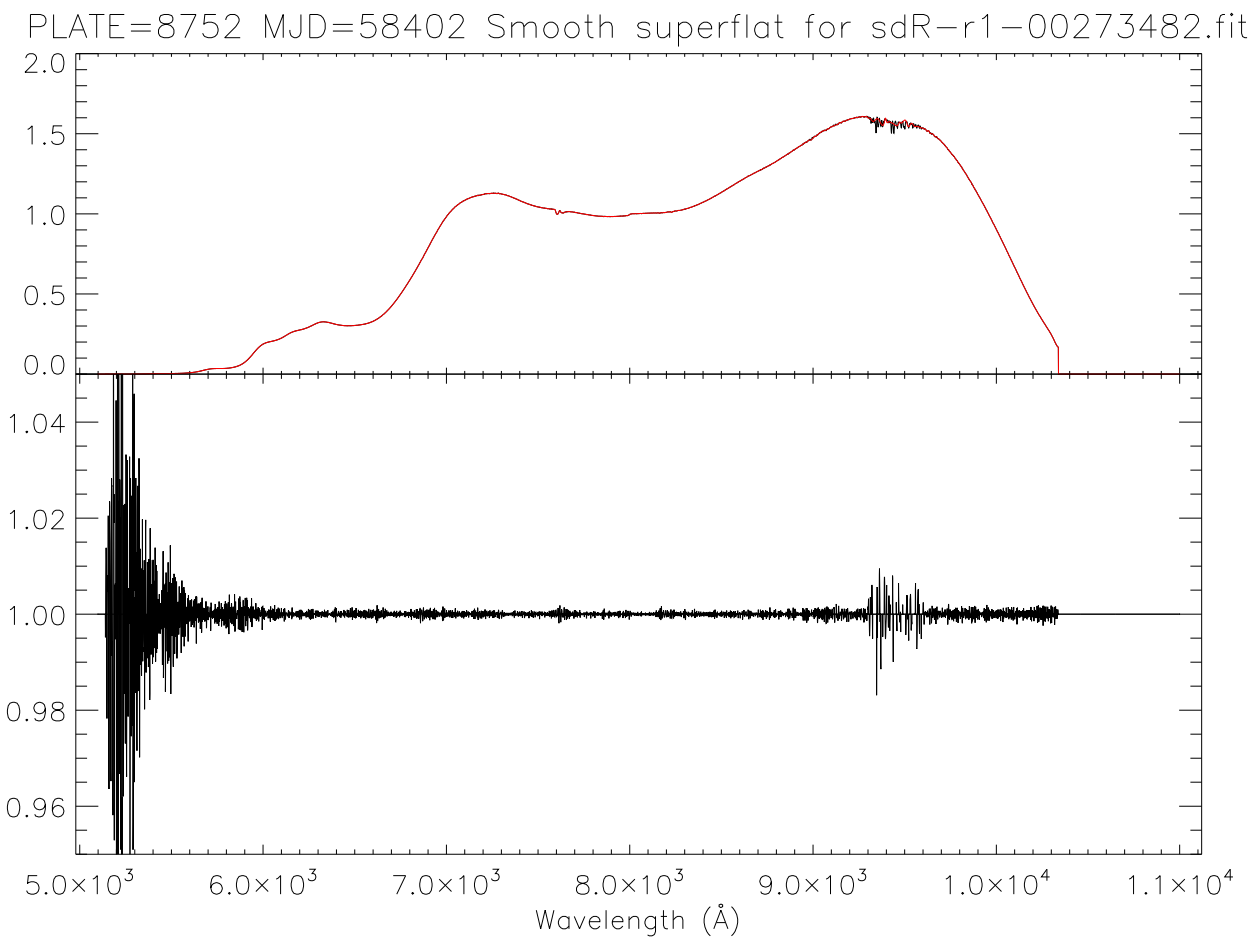

PLATE=8752 MJD=58402 sdR-r1-00273481.fit Skyline Flux at 7343,0
Flux (7343.0)/Airmass
RED = sky fiber
Dispersion = 1.45 %
Fiber number
Flux (7343.0)/Airmass
Focal Distance [mm]
Flux (7343.0)/Airmass
Airmass

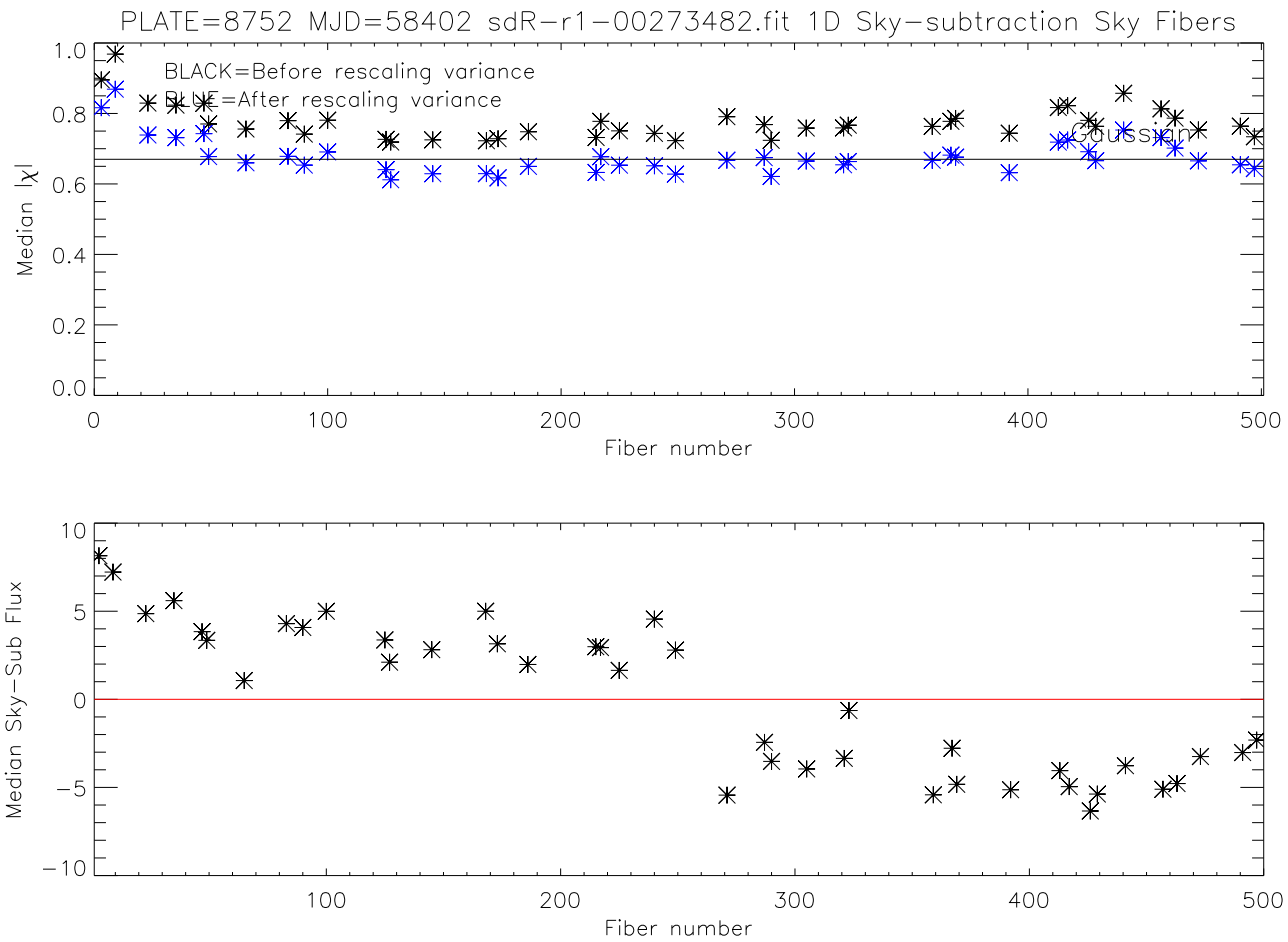

PLATE=8752 MJD=58402 sdR-r1-00273481.fit Skyline Flux at 8888.3
Flux (8888.3)/Airmass
RED = sky fiber
Dispersion = 5.72 %
Fiber number
Focal Distance [mm]
Airmass

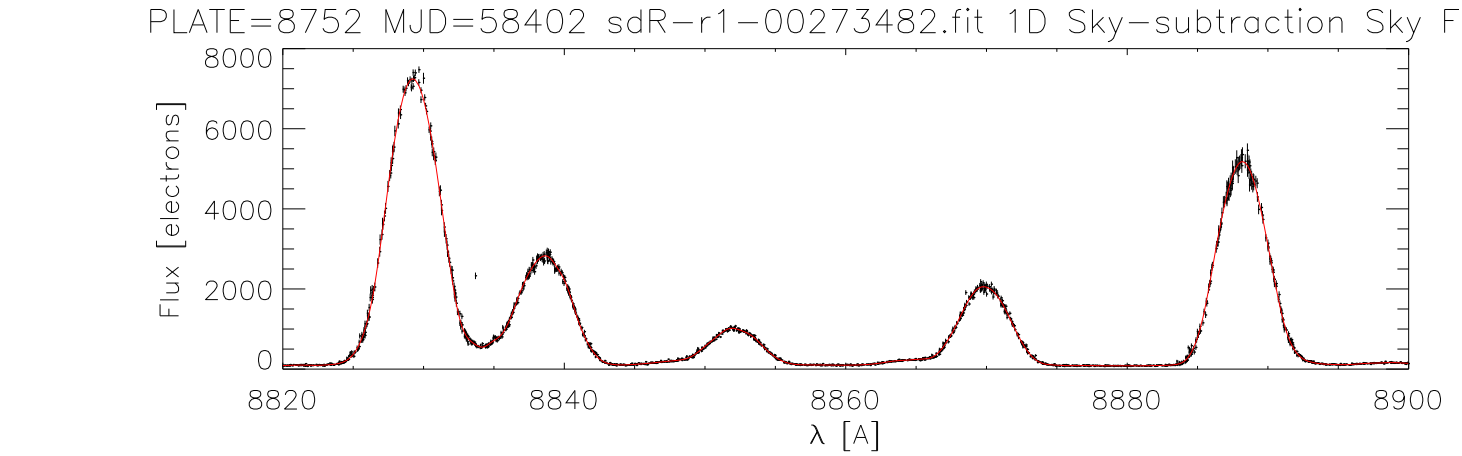

PLATE=8752 MJD=58402 Fiber−Flats for sdR−r1−00273476.fit
BLACK = Median value
ENVELOPE = 95% of points
GREEN = Outlier points
Min value = −1.091
Max value = 9.803
Fiber−Flat
1.5
1.0
0.5
0.0
6.0×10^3
7.0×10^3
8.0×10^3
9.0×10^3
1.0×10^4
1.1×10^4
λ [A]
Mon Mar 18 18:28:02 2019

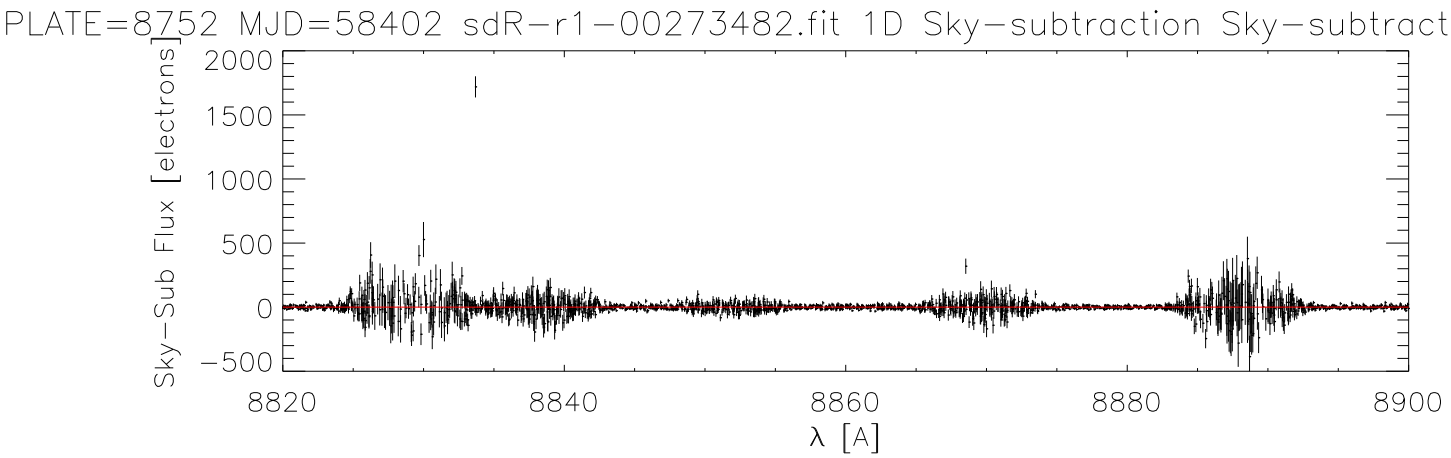

PLATE=8752 MJD=58402 Extraction chi^2 for sdR−r1−00273482.fit
BLACK = Final chisq extraction
χ^2
1.0
0.8
0.6
0.4
0.2
0.0
0
1000
2000
3000
4000
Row number


PLATE=8752 MJD=58402 Sky Line Deviations for sdR-r1-00273482.fit
Before shift
After shift
1.00 pix
Fiber Number
500
400
300
200
100
0
5460557763006363655369236949757177947821839984308885891993759439987 2 ****
Sky Line Wavelength

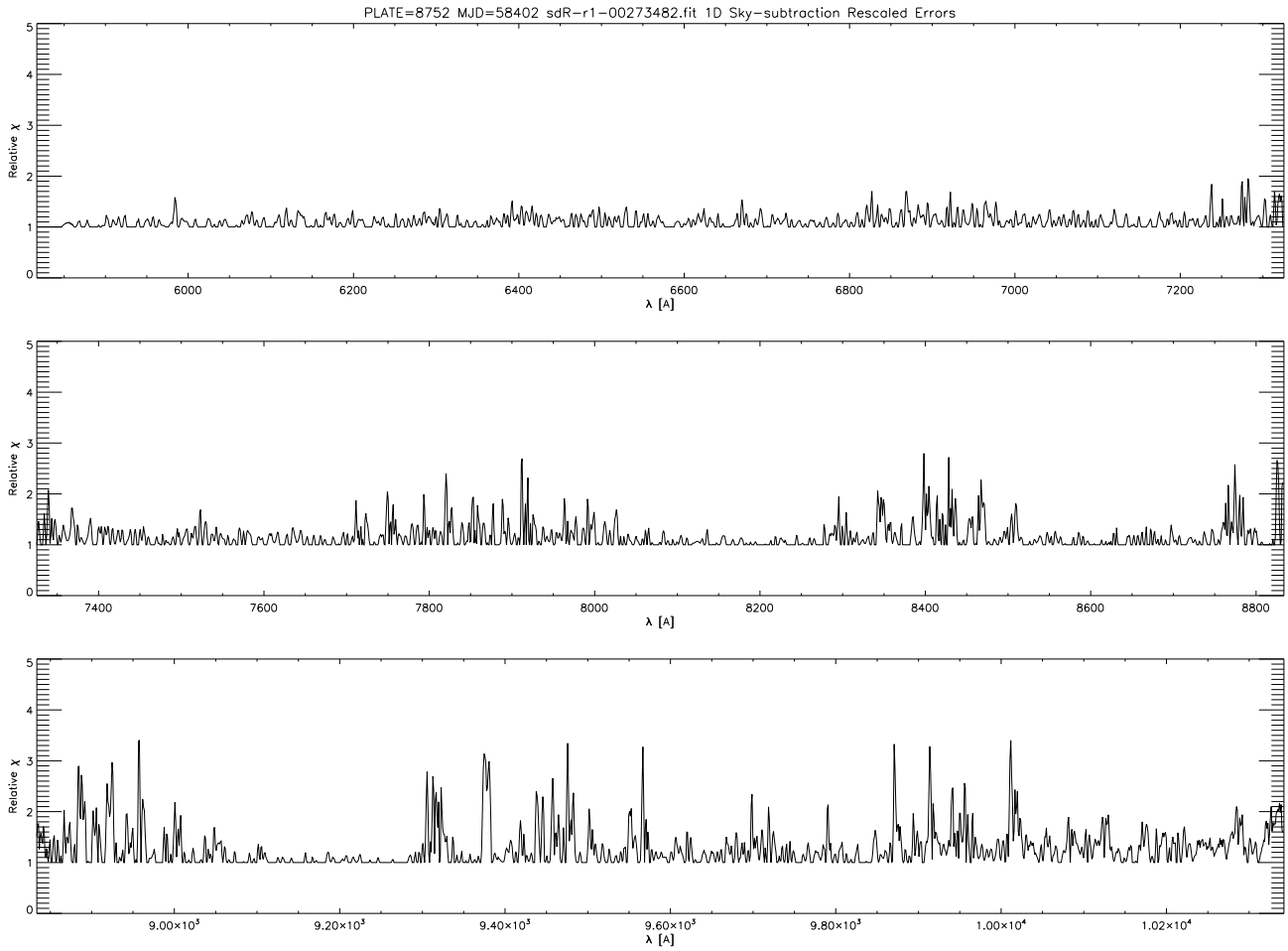

PLATE=8752 MJD=58402 Smooth superflat for sdR-r1-00273482.fit
2.0
1.5
1.0
0.5
0.0
1.04
1.02
1.00
0.98
0.96
5.0×10^3
6.0×10^3
7.0×10^3
8.0×10^3
9.0×10^3
1.0×10^4
1.1×10^4
Wavelength (Å)

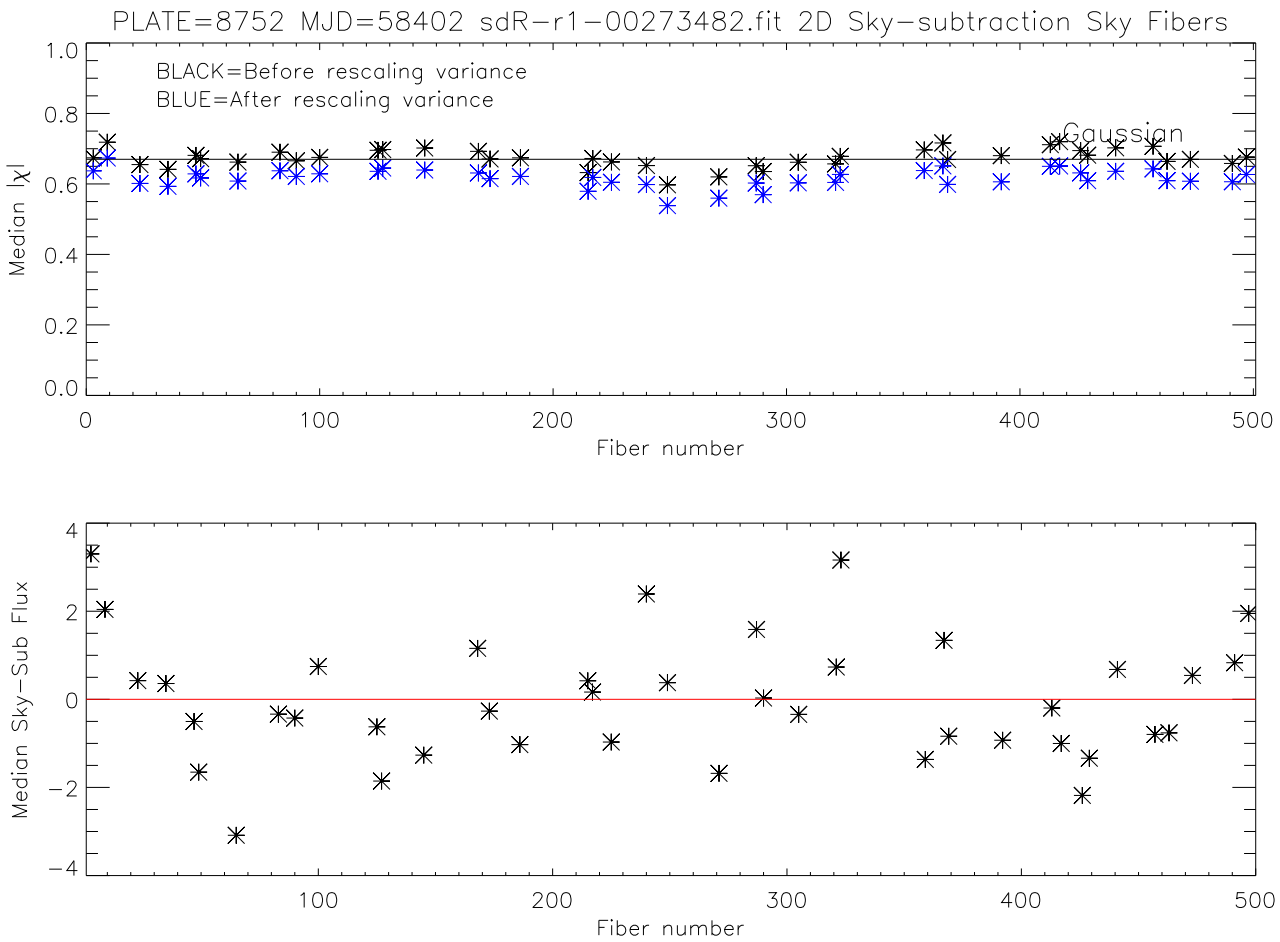

PLATE=8752 MJD=58402 sdR-r1-00273482.fit 1D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

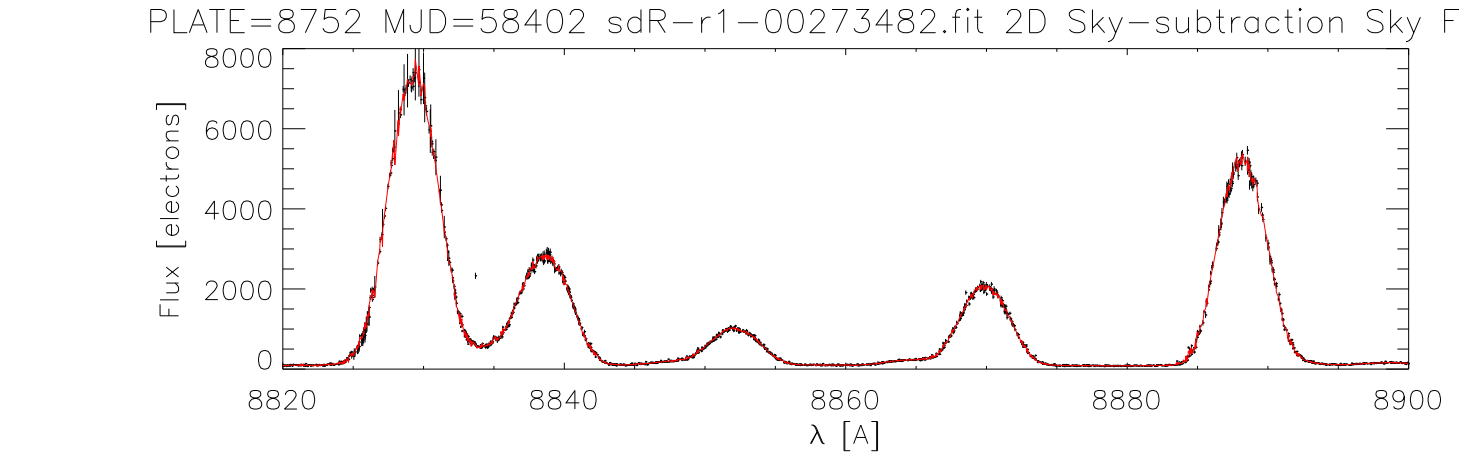

PLATE=8752 MJD=58402 sdR-r1-00273482.fit 1D Sky-subtraction Sky Fibers
Flux [electrons]
8000
6000
4000
2000
0
8820
8840
8860
8880
8900
λ [A]

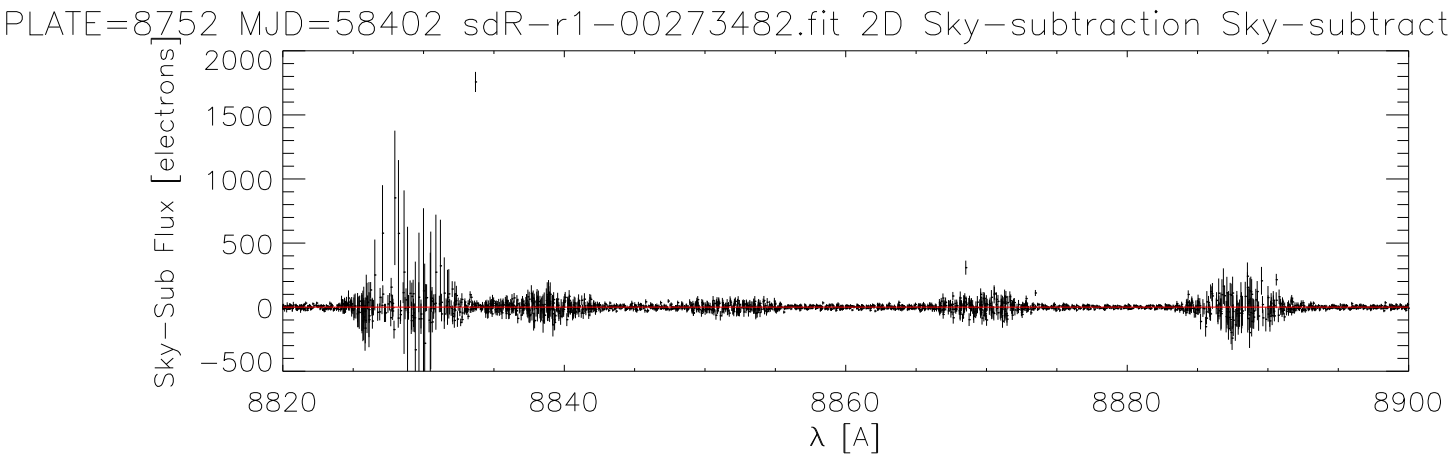

PLATE=8752 MJD=58402 sdR-r1-00273482.fit 1D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
2000
1500
1000
500
0
−500
8820
8840
8860
8880
8900
λ [A]

Number of sky fibers = 41

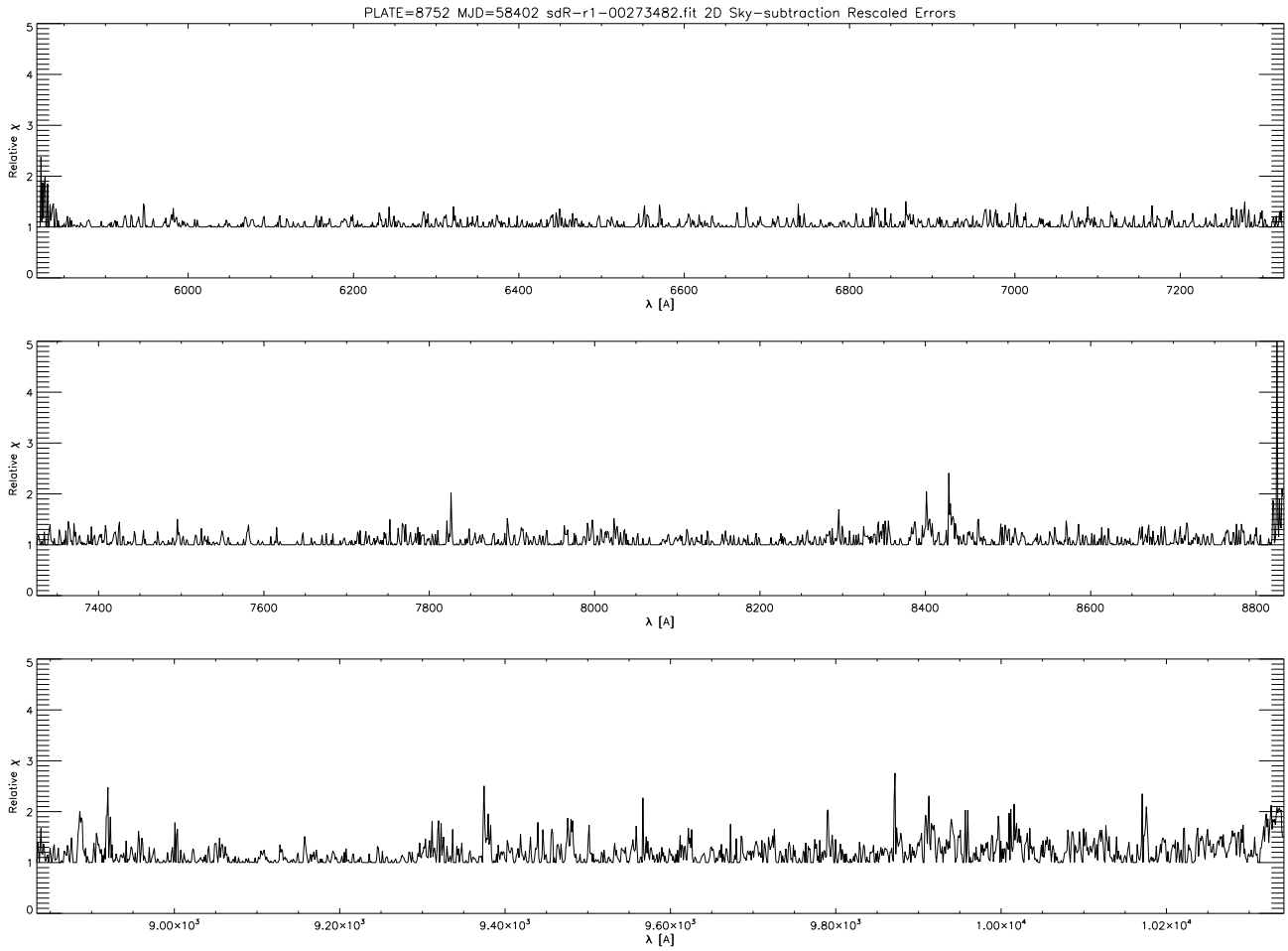


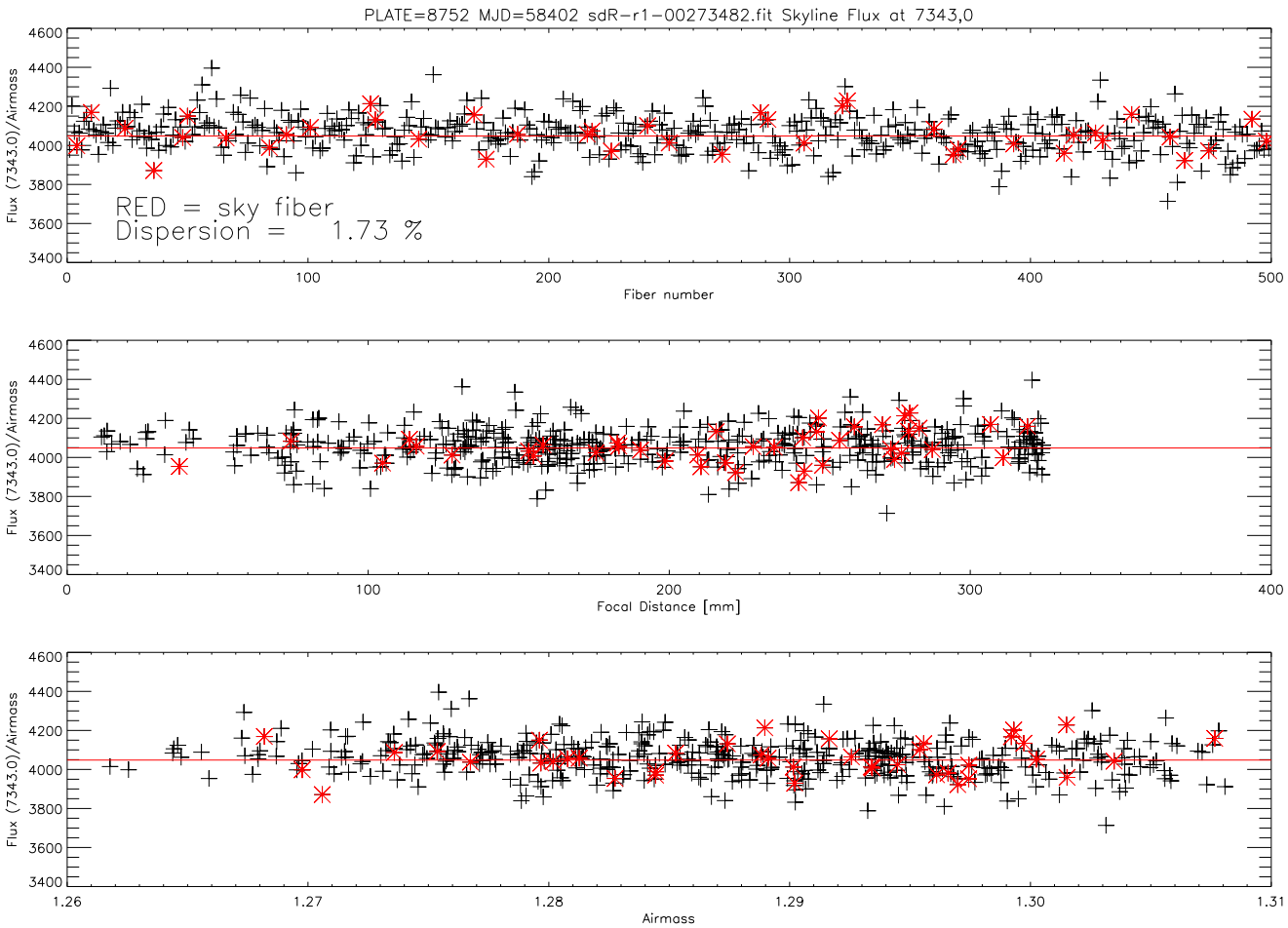

PLATE=8752 MJD=58402 sdR-r1-00273482.fit 2D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

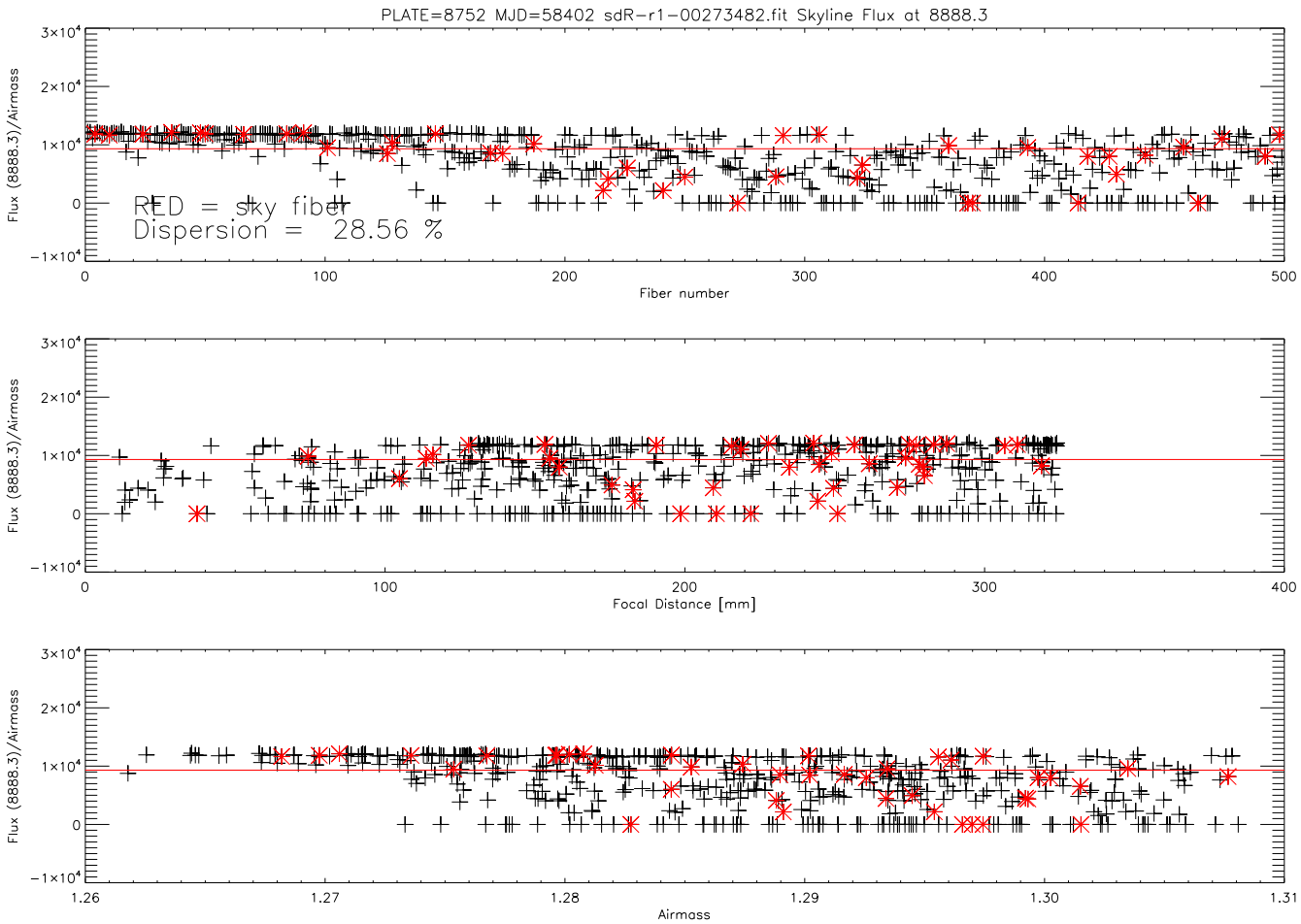

PLATE=8752 MJD=58402 sdR-r1-00273482.fit 2D Sky-subtraction Sky Fibers
Flux [electrons]
8000
6000
4000
2000
0
8820
8840
8860
8880
8900
λ [A]


PLATE=8752 MJD=58402 sdR-r1-00273482.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]

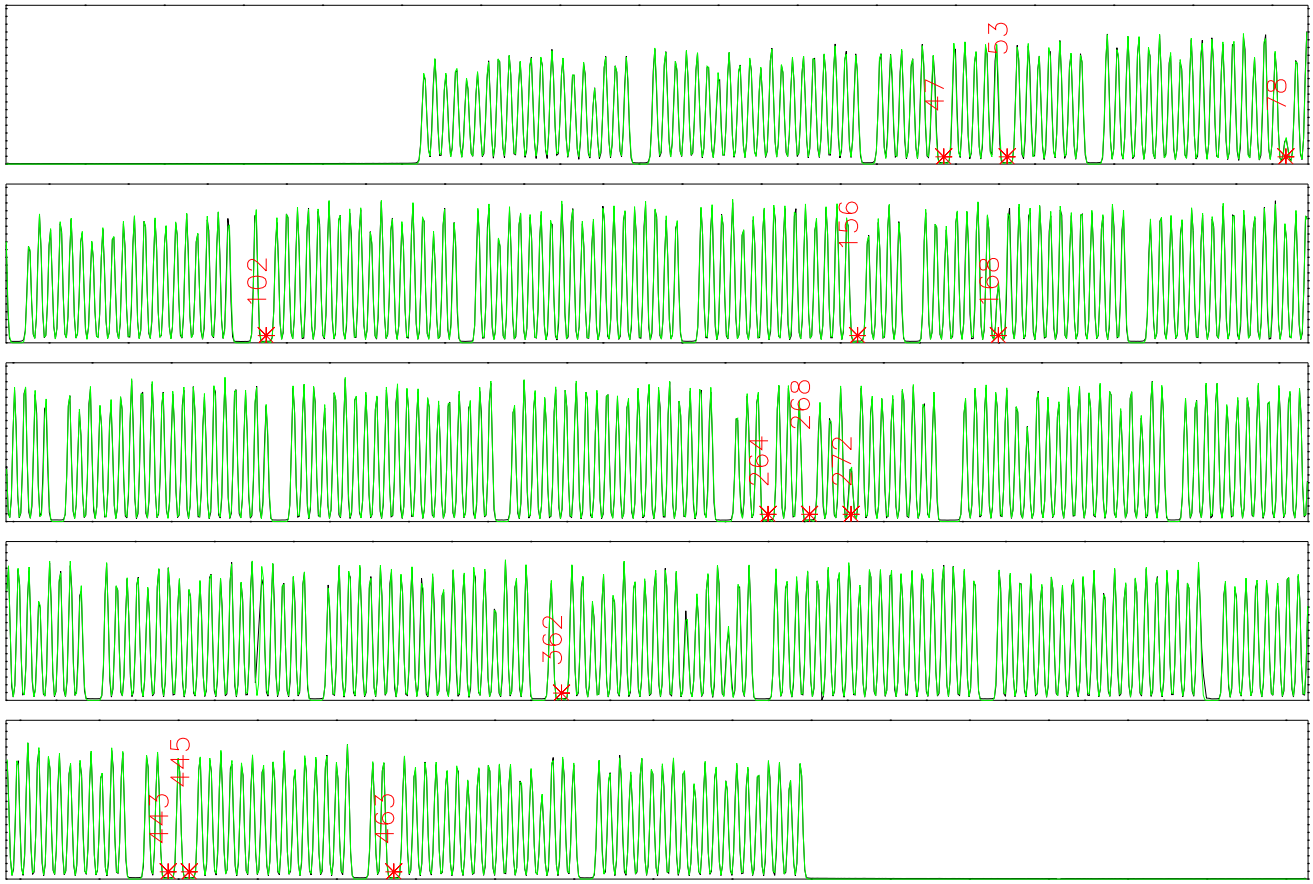
Number of sky fibers = 41

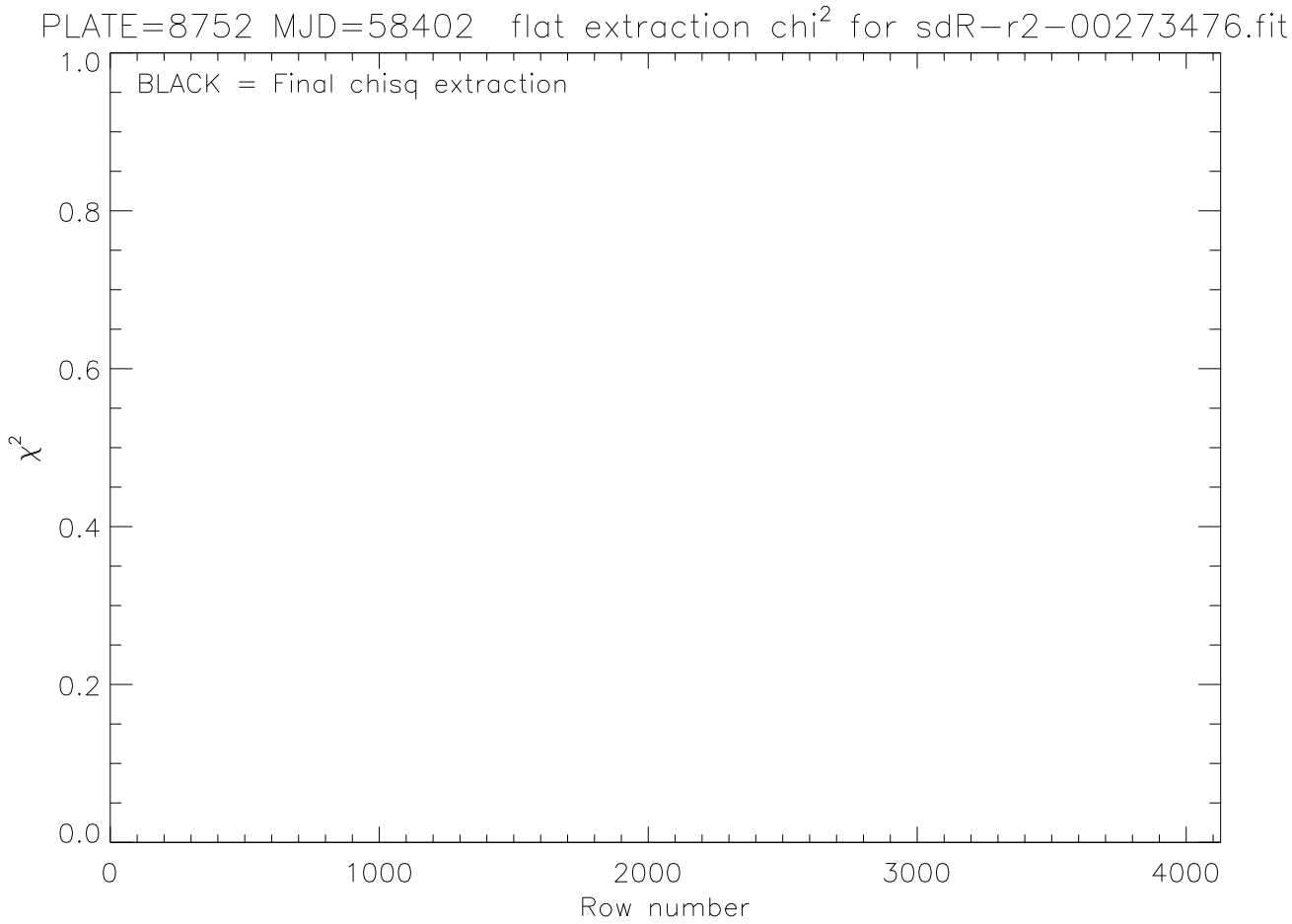


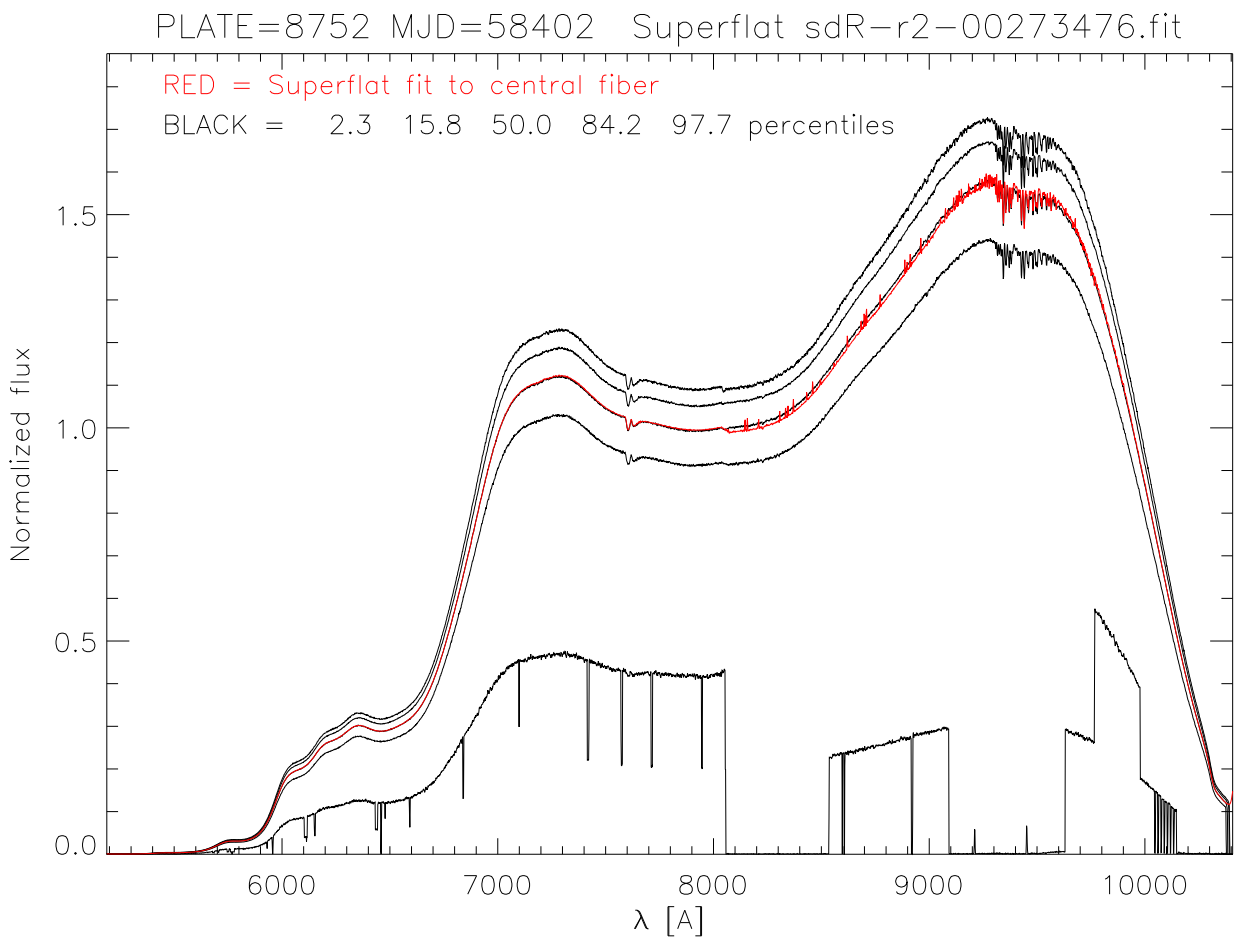

PLATE=8752 MJD=58402 sdR-r1-00273482.fit Skyline Flux at 7343,0
Flux (7343.0)/Airmass
RED = sky fiber
Dispersion = 1.73 %
Fiber number
Flux (7343.0)/Airmass
Focal Distance [mm]
Flux (7343.0)/Airmass
Airmass

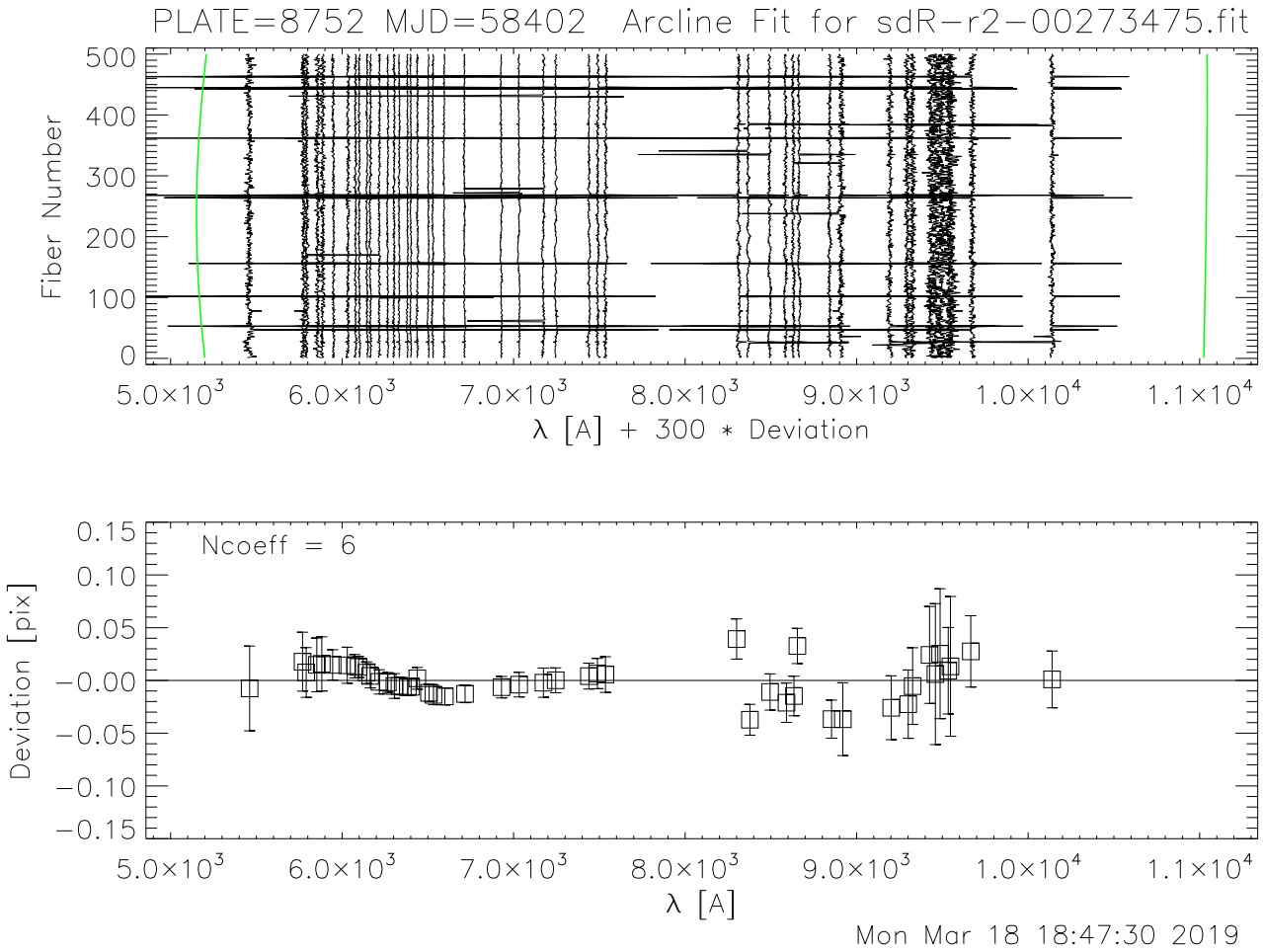

PLATE=8752 MJD=58402 sdR-r1-00273482.fit Skyline Flux at 8888.3
Flux (8888.3)/Airmass
RED = sky fiber
Dispersion = 28.56 %
Fiber number
Focal Distance [mm]
Airmass

PLATE=8752 MJD=58402 Traces sdR-r2-00273476.fit

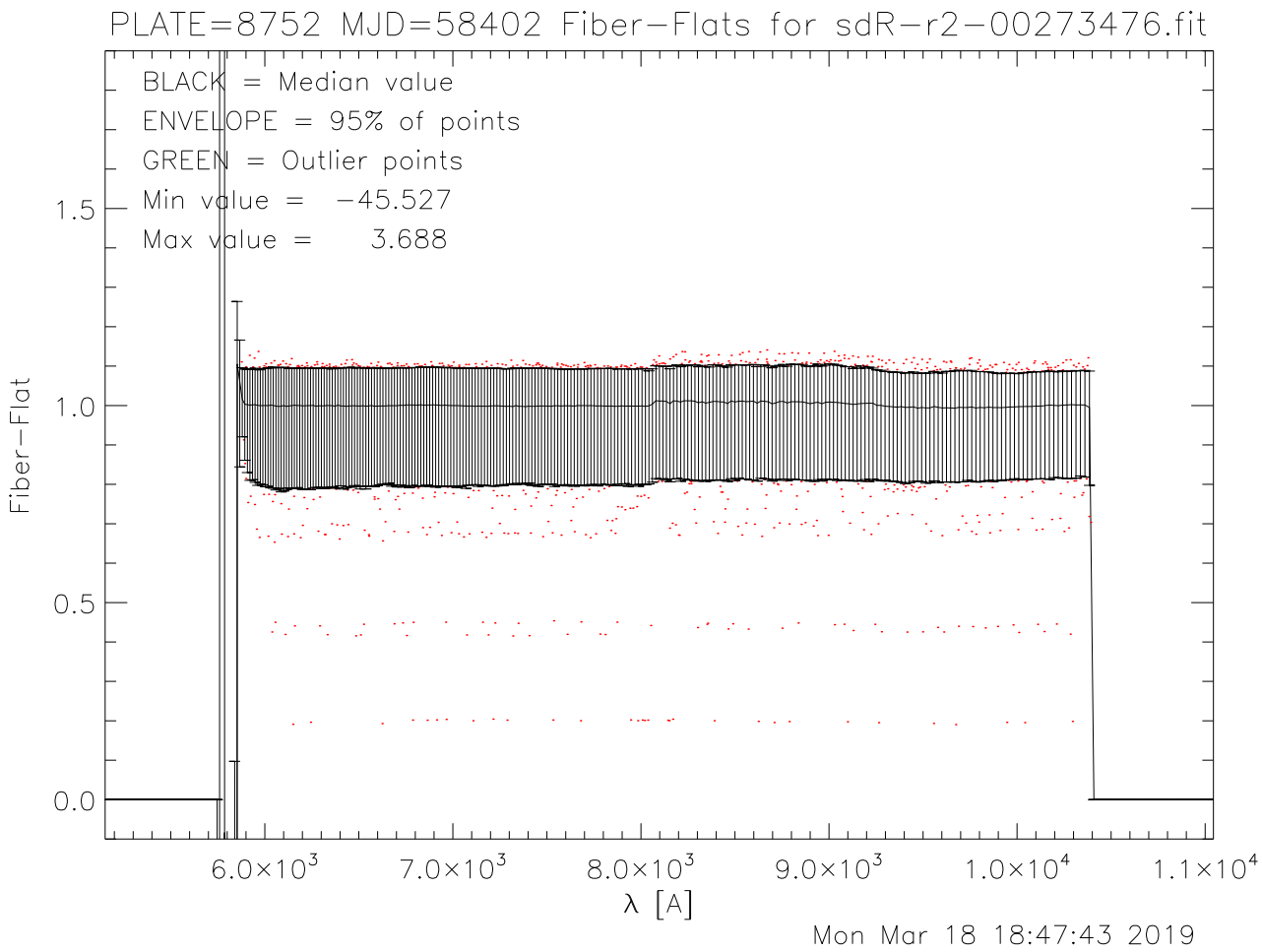


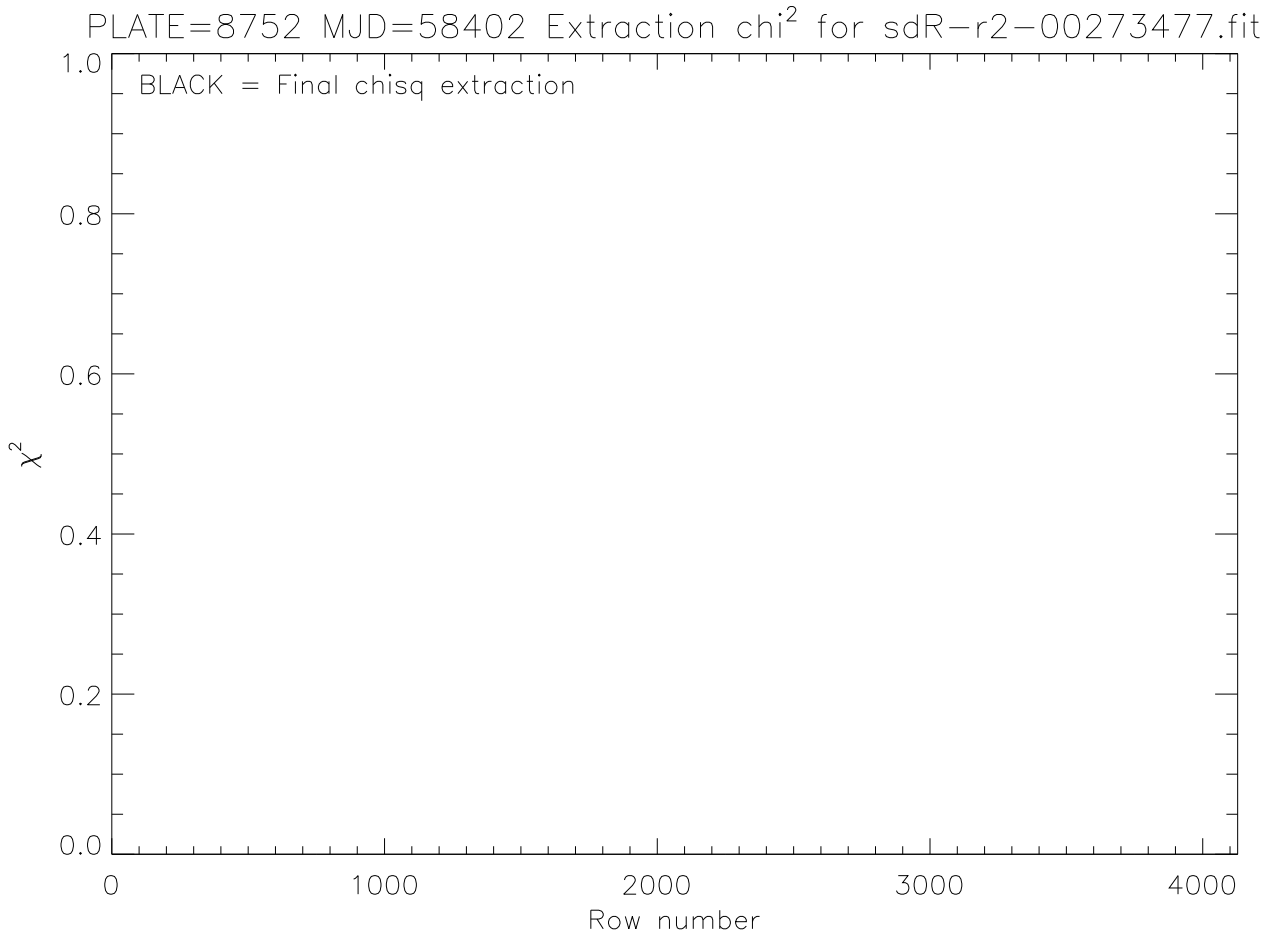

PLATE=8752 MJD=58402 flat extraction chi^2 for sdR−r2−00273476.fit
BLACK = Final chisq extraction
1.0
0.8
0.6
0.4
0.2
0.0
χ^2
0
1000
2000
3000
4000
Row number

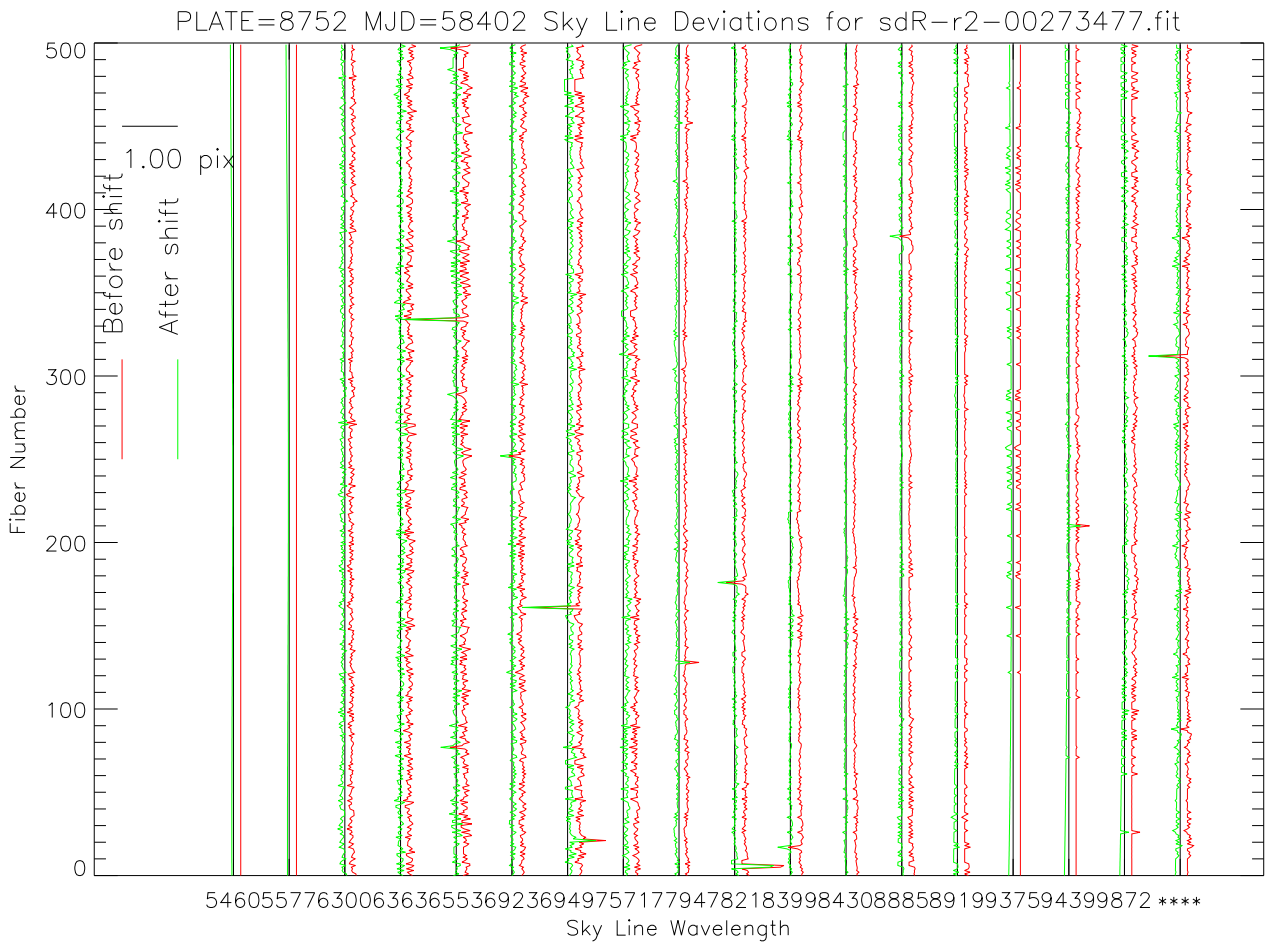

PLATE=8752 MJD=58402 Superflat sdR-r2-00273476.fit
RED = Superflat fit to central fiber
BLACK = 2.3 15.8 50.0 84.2 97.7 percentiles
Normalized flux
0.0
0.5
1.0
1.5
6000
7000
8000
9000
10000
λ [A]

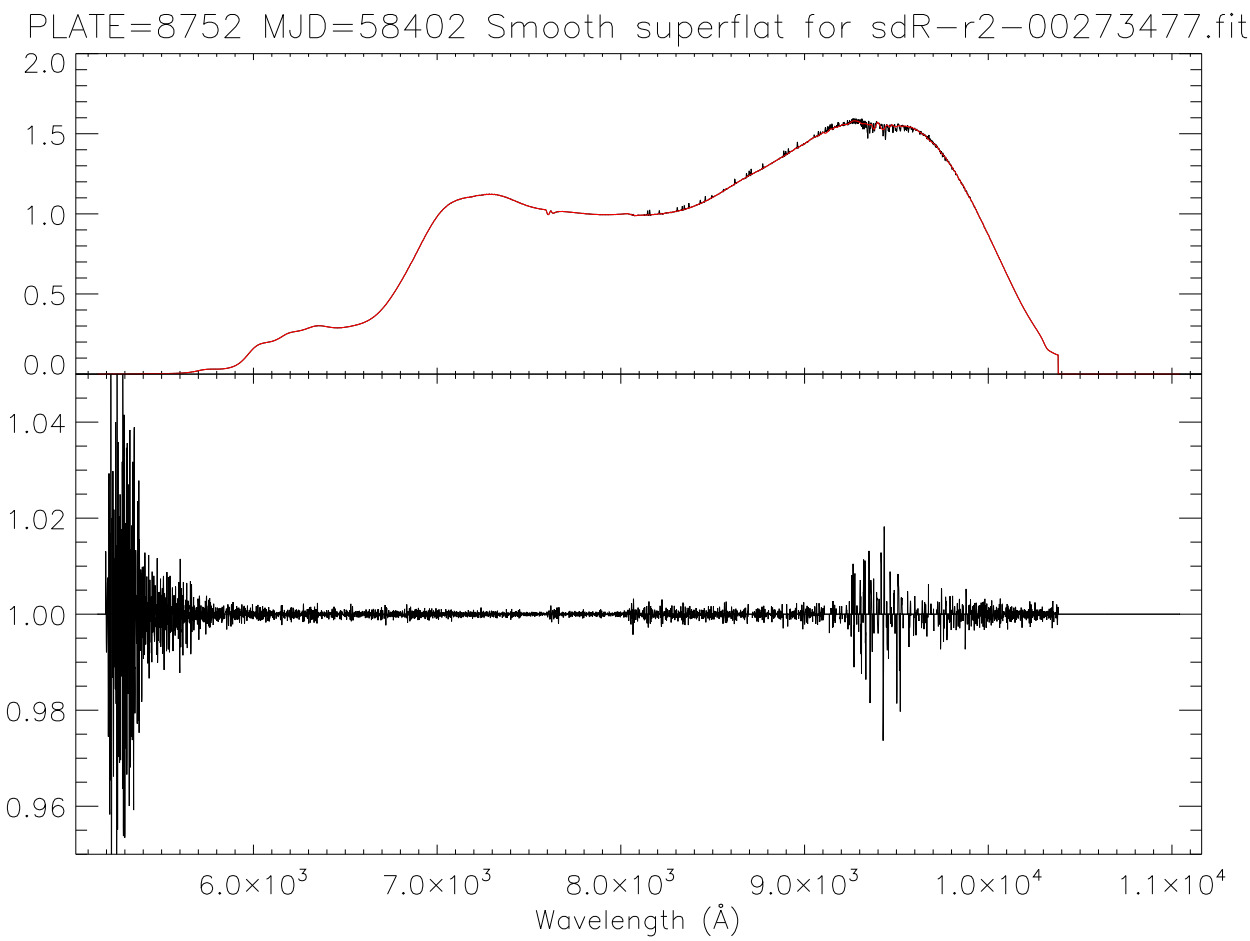

PLATE=8752 MJD=58402 Arcline Fit for sdR-r2-00273475.fit
Fiber Number
500
400
300
200
100
0
5.0×10^3
6.0×10^3
7.0×10^3
8.0×10^3
9.0×10^3
1.0×10^4
1.1×10^4
λ [A] + 300 * Deviation

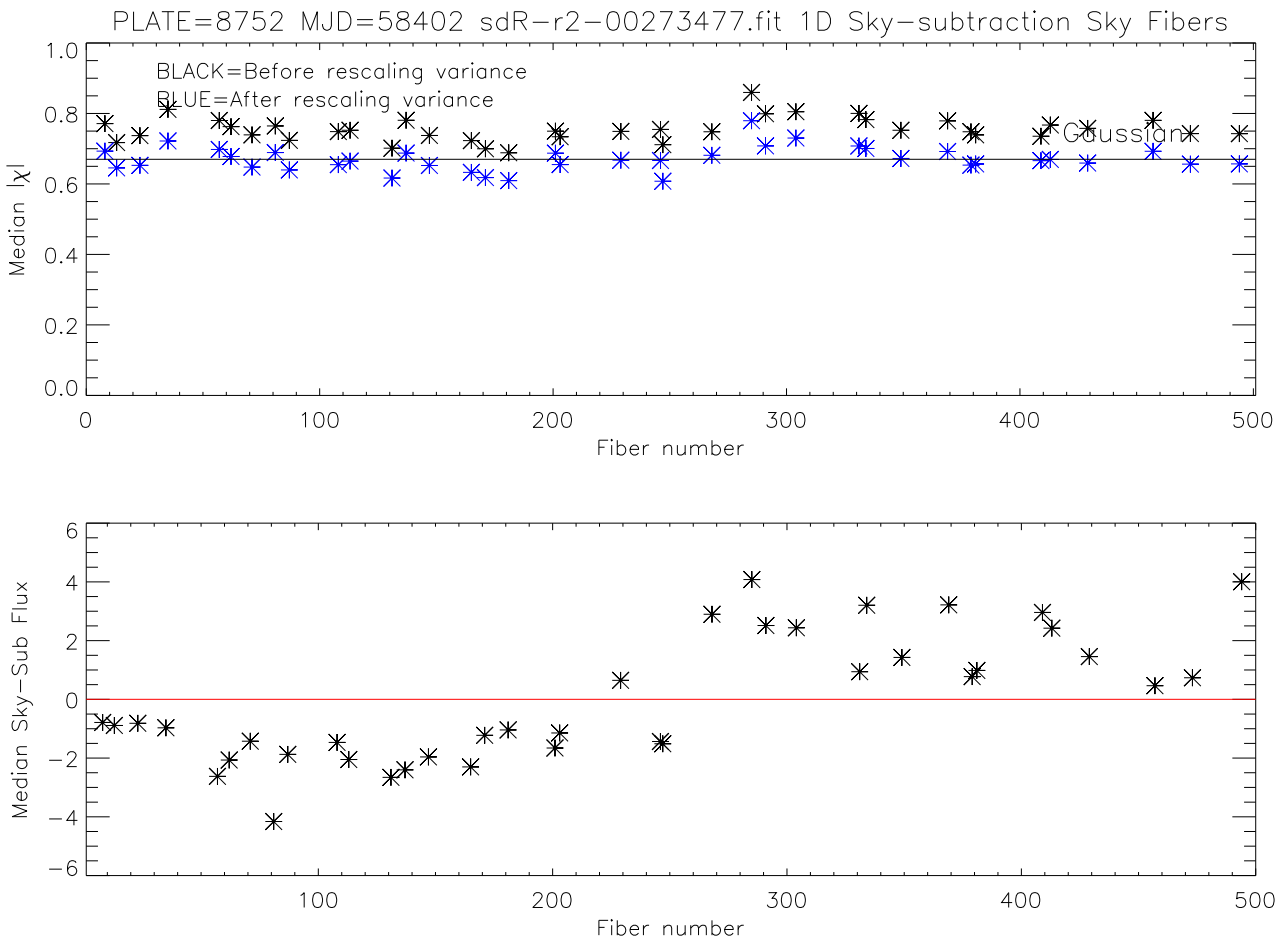
Ncoeff = 6
Deviation [pix]
0.15
0.10
0.05
−0.00
−0.05
−0.10
−0.15
5.0×10^3
6.0×10^3
7.0×10^3
8.0×10^3
9.0×10^3
1.0×10^4
1.1×10^4
λ [A]
Mon Mar 18 18:47:30 2019

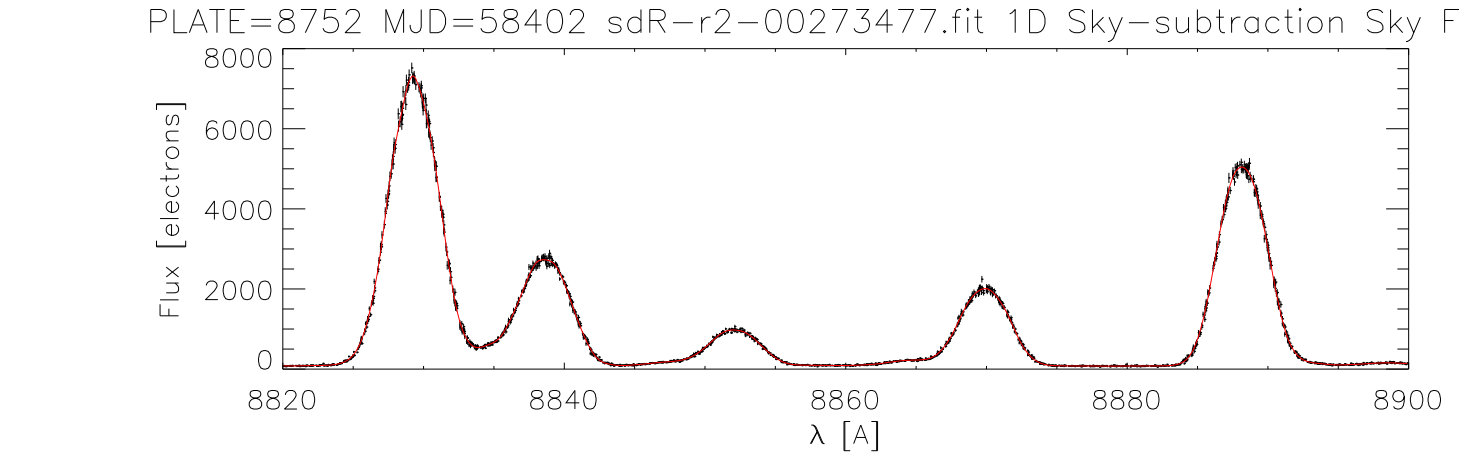

PLATE=8752 MJD=58402 Fiber−Flats for sdR−r2−00273476.fit
BLACK = Median value
ENVELOPE = 95% of points
GREEN = Outlier points
Min value = −45.527
Max value = 3.688
Fiber−Flat
1.5
1.0
0.5
0.0
6.0×10^3
7.0×10^3
8.0×10^3
9.0×10^3
1.0×10^4
1.1×10^4
λ [A]
Mon Mar 18 18:47:43 2019

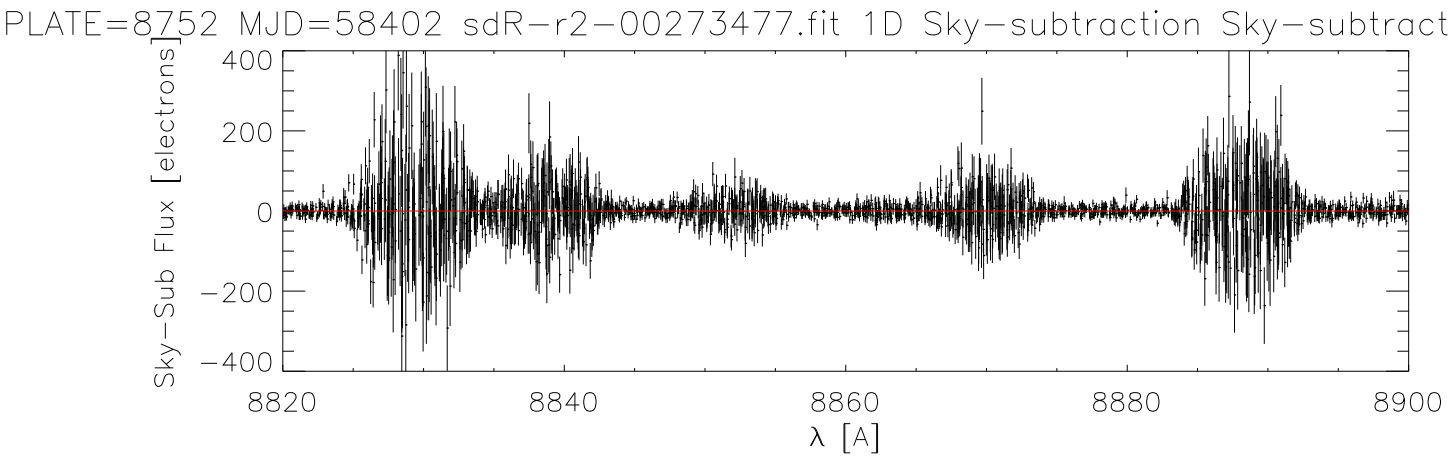

PLATE=8752 MJD=58402 Extraction chi^2 for sdR-r2-00273477.fit
BLACK = Final chisq extraction
χ^2
1.0
0.8
0.6
0.4
0.2
0.0
0
1000
2000
3000
4000
Row number


PLATE=8752 MJD=58402 Sky Line Deviations for sdR-r2-00273477.fit
500
400
300
200
100
0
Fiber Number
1.00 pix
Before shift
After shift
5460557763006363655369236949757177947821839984308885891993759439987 2 ****
Sky Line Wavelength

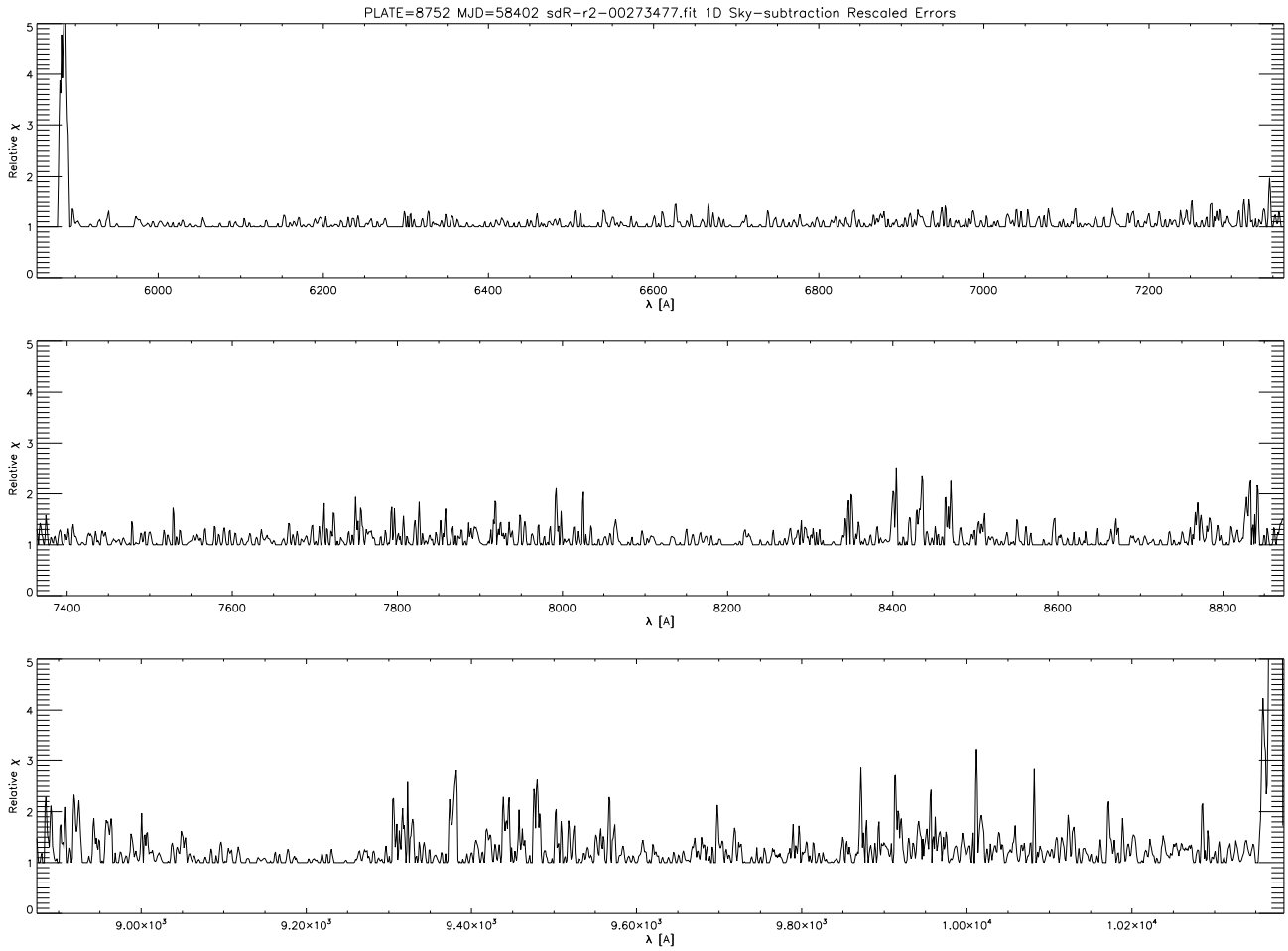

PLATE=8752 MJD=58402 Smooth superflat for sdR-r2-00273477.fit
2.0
1.5
1.0
0.5
0.0
1.04
1.02
1.00
0.98
0.96
6.0×10^3
7.0×10^3
8.0×10^3
9.0×10^3
1.0×10^4
1.1×10^4
Wavelength (Å)

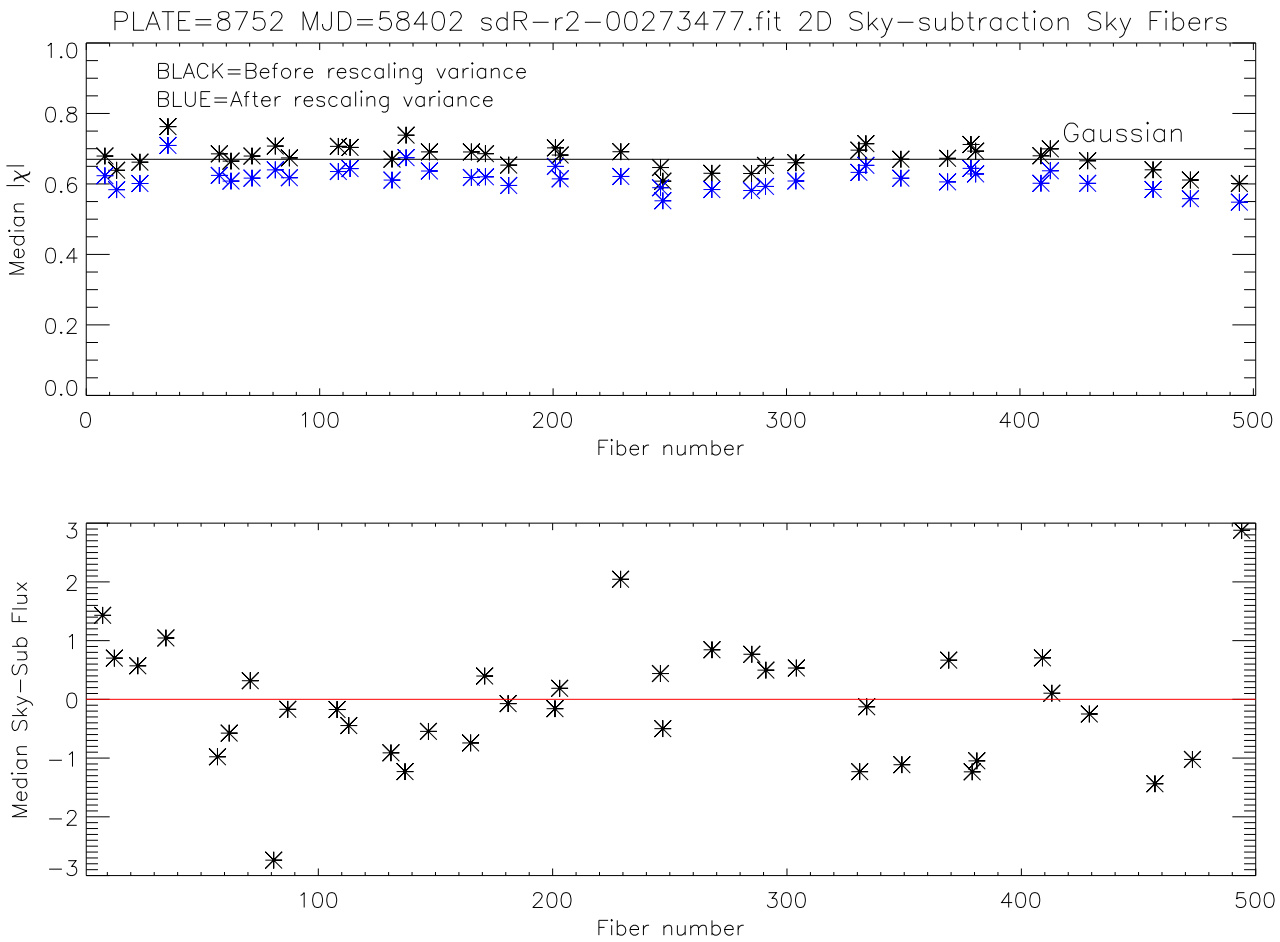

PLATE=8752 MJD=58402 sdR-r2-00273477.fit 1D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

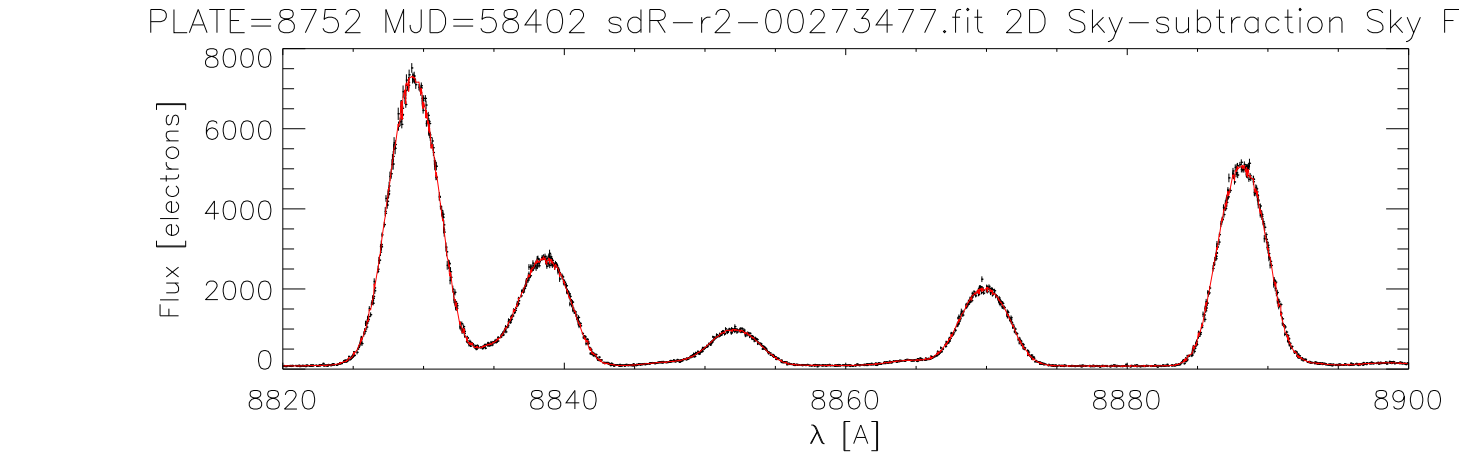

PLATE=8752 MJD=58402 sdR-r2-00273477.fit 1D Sky-subtraction Sky Fibers
Flux [electrons]
8000
6000
4000
2000
0
8820
8840
8860
8880
8900
λ [A]

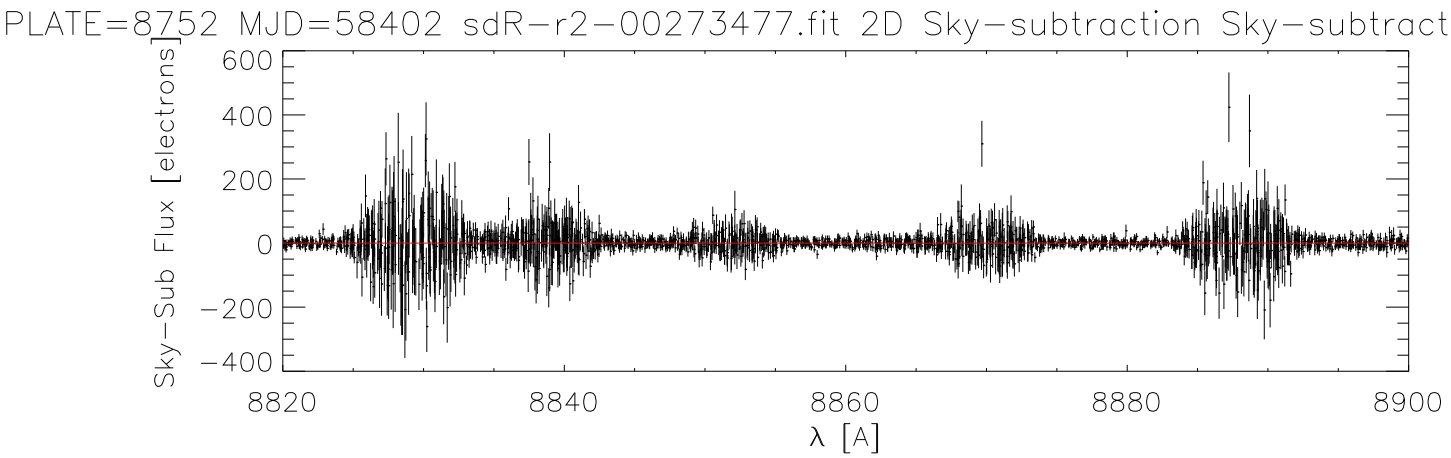

PLATE=8752 MJD=58402 sdR-r2-00273477.fit 1D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
400
200
0
-200
-400
8820
8840
8860
8880
8900
λ [A]

Number of sky fibers = 38

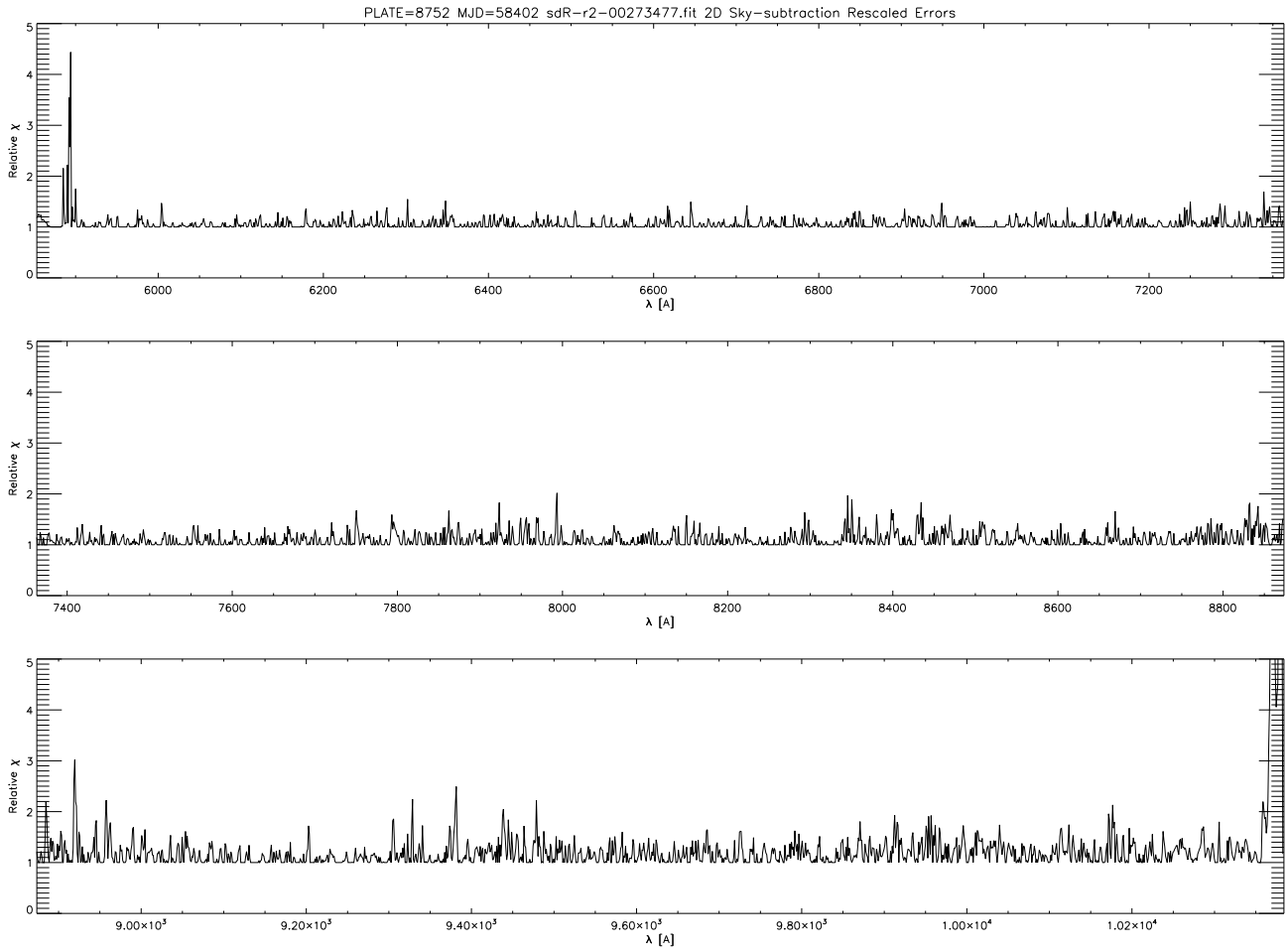


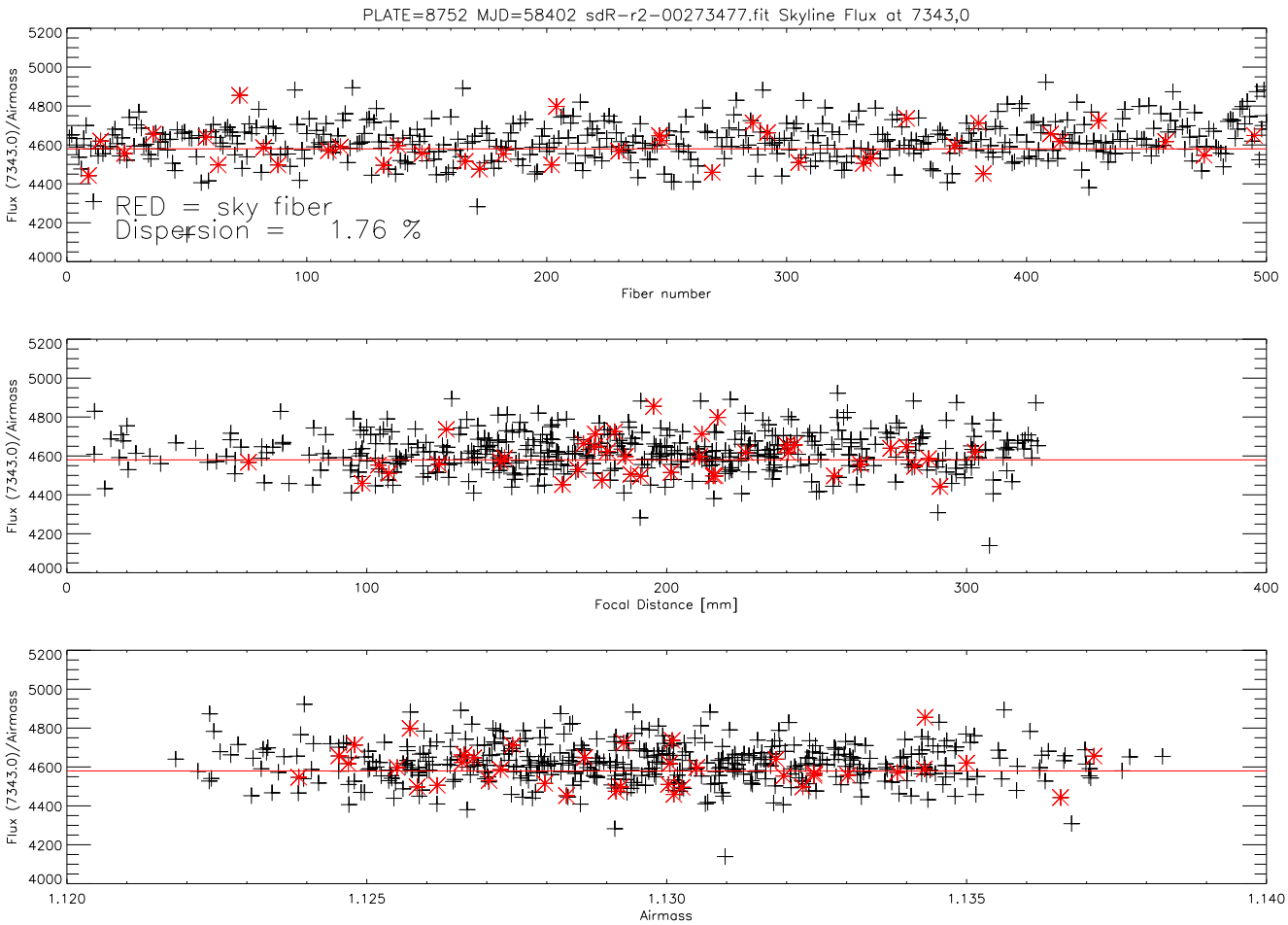

PLATE=8752 MJD=58402 sdR-r2-00273477.fit 2D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

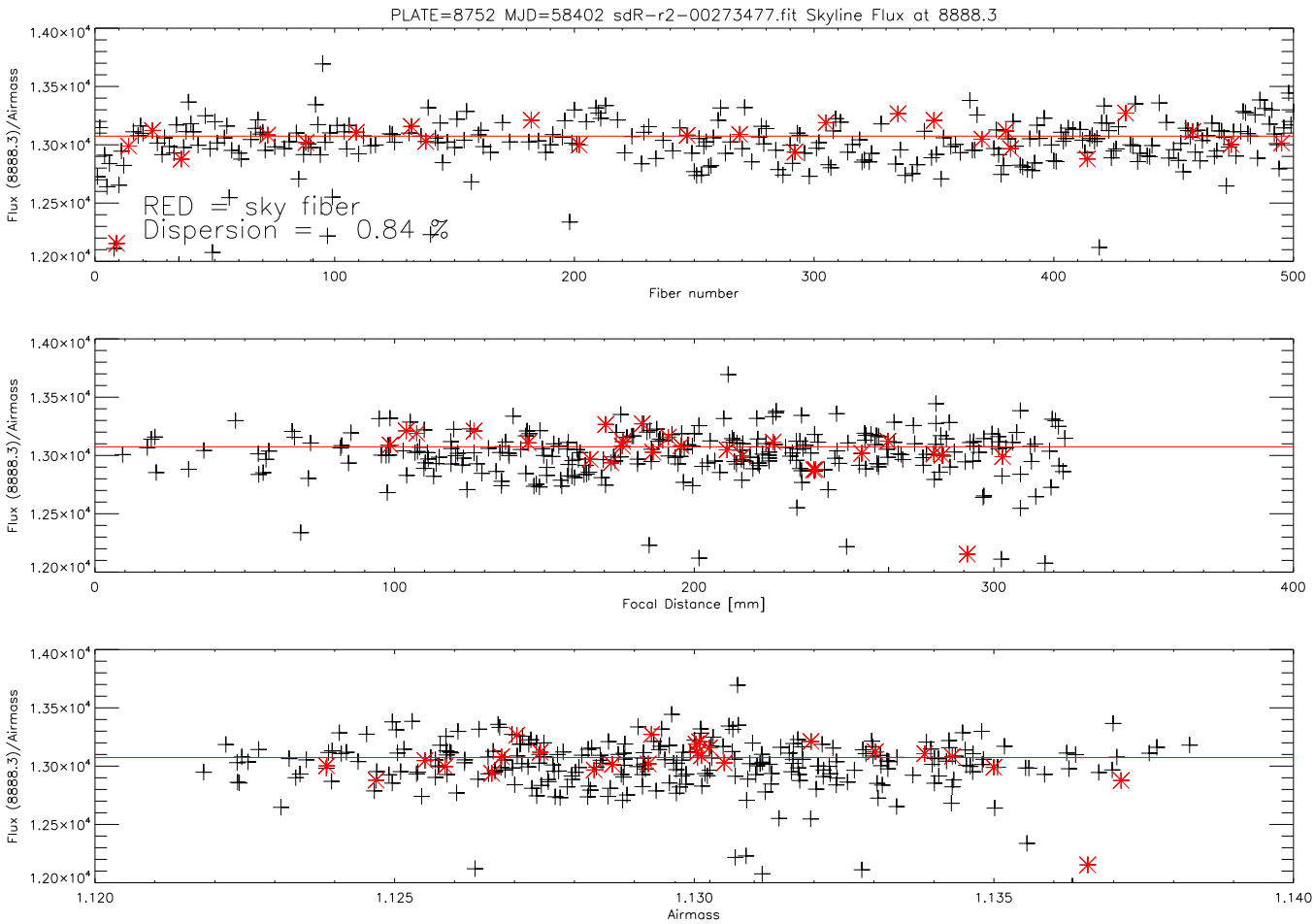

PLATE=8752 MJD=58402 sdR-r2-00273477.fit 2D Sky-subtraction Sky Fibers
Flux [electrons]
8000
6000
4000
2000
0
8820
8840
8860
8880
8900
λ [A]

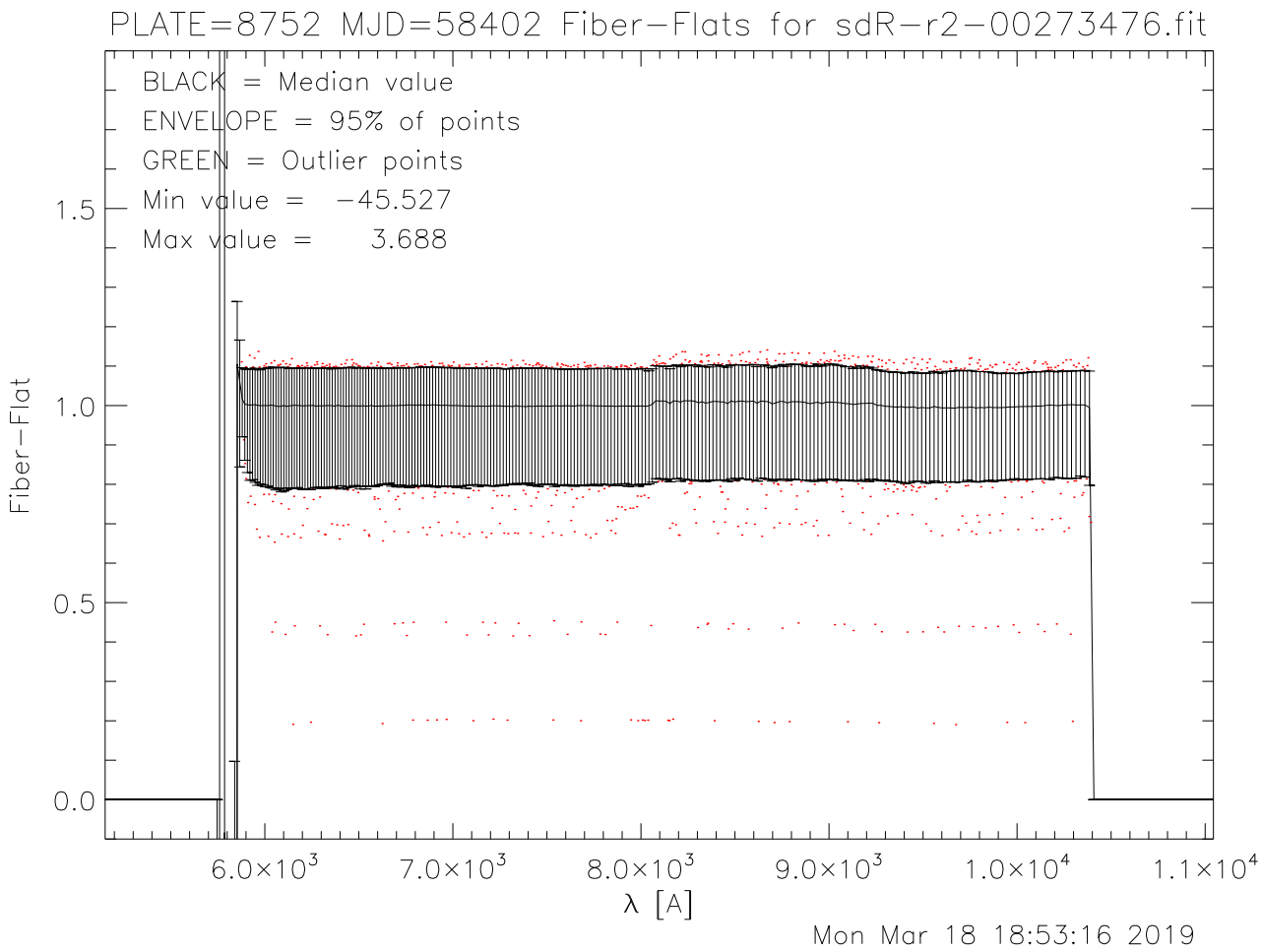

PLATE=8752 MJD=58402 sdR-r2-00273477.fit 2D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
600
400
200
0
-200
-400
8820
8840
8860
8880
8900
λ [A]

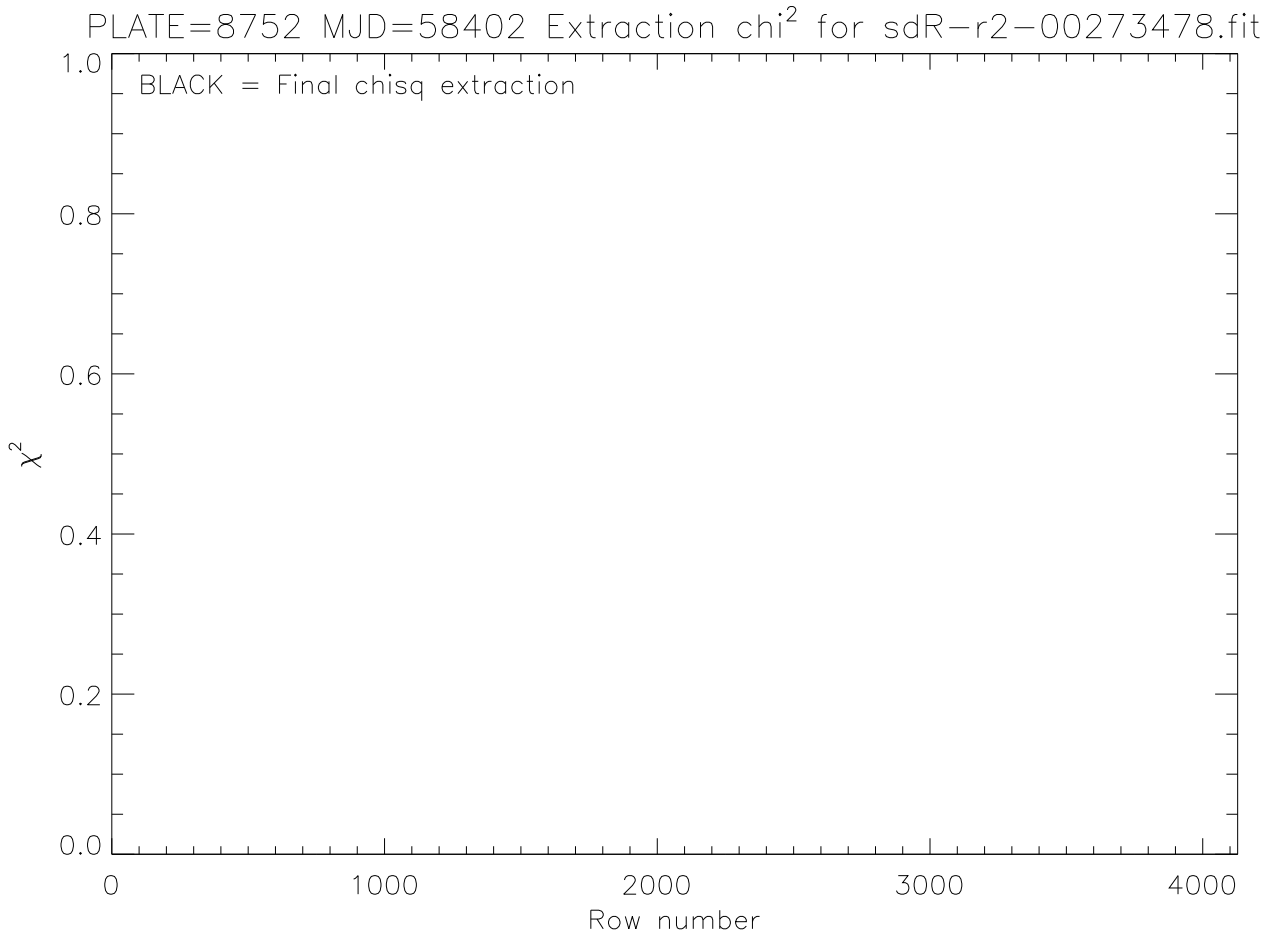
Number of sky fibers = 38

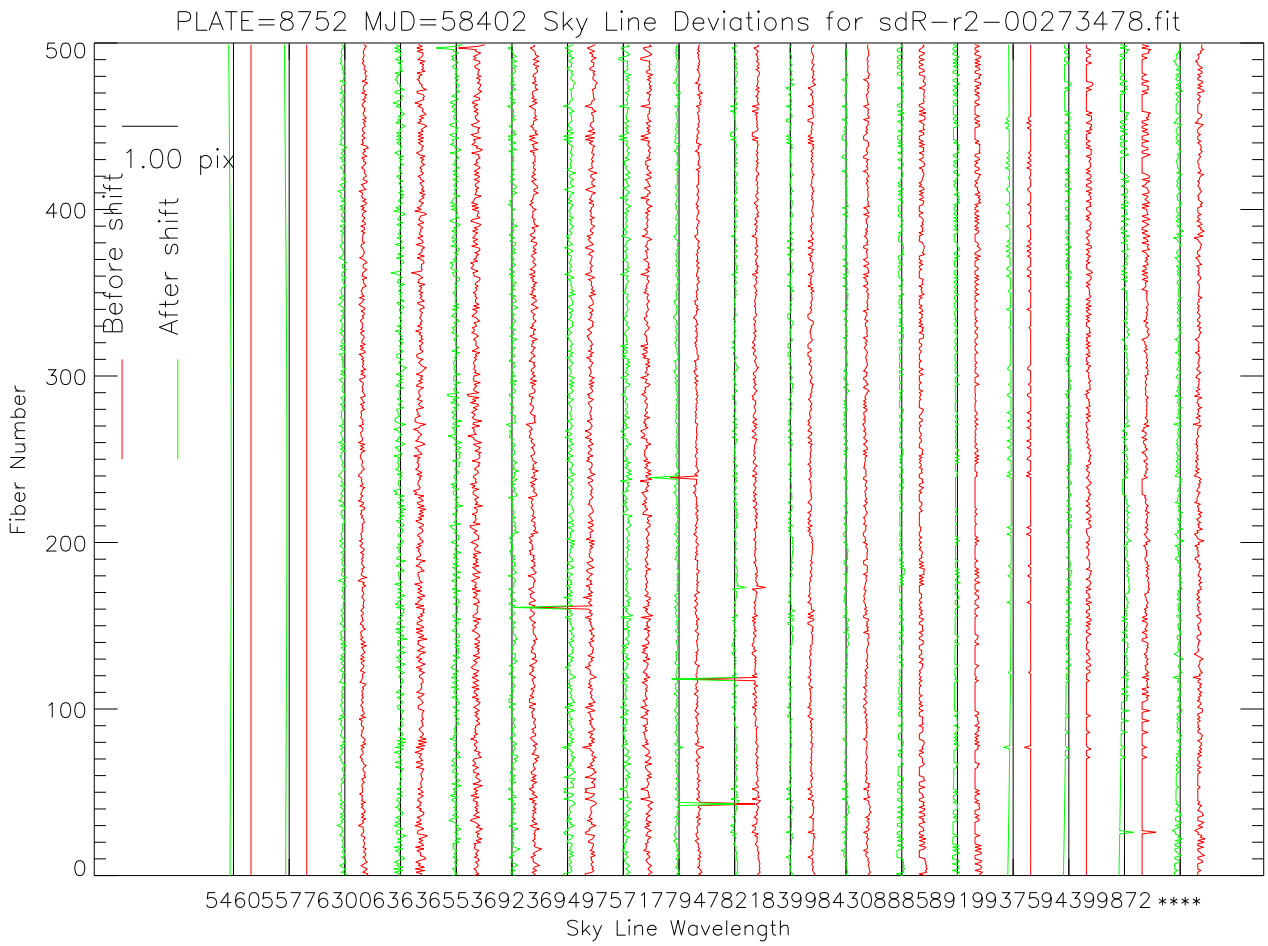


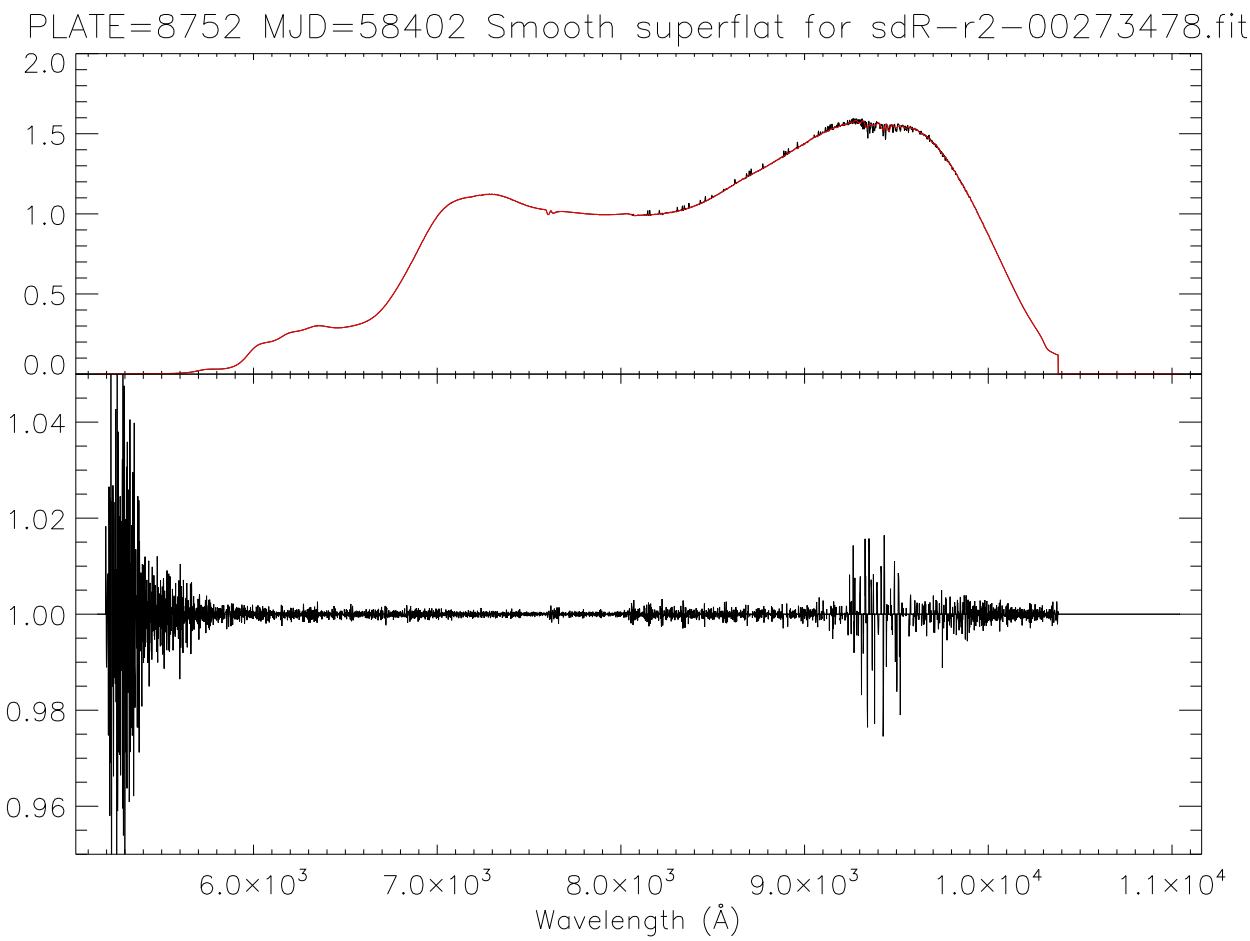

PLATE=8752 MJD=58402 sdR-r2-00273477.fit Skyline Flux at 7343.0
Flux (7343.0)/Airmass
RED = sky fiber
Dispersion = 1.76 %
Fiber number
Flux (7343.0)/Airmass
Focal Distance [mm]
Flux (7343.0)/Airmass
Airmass

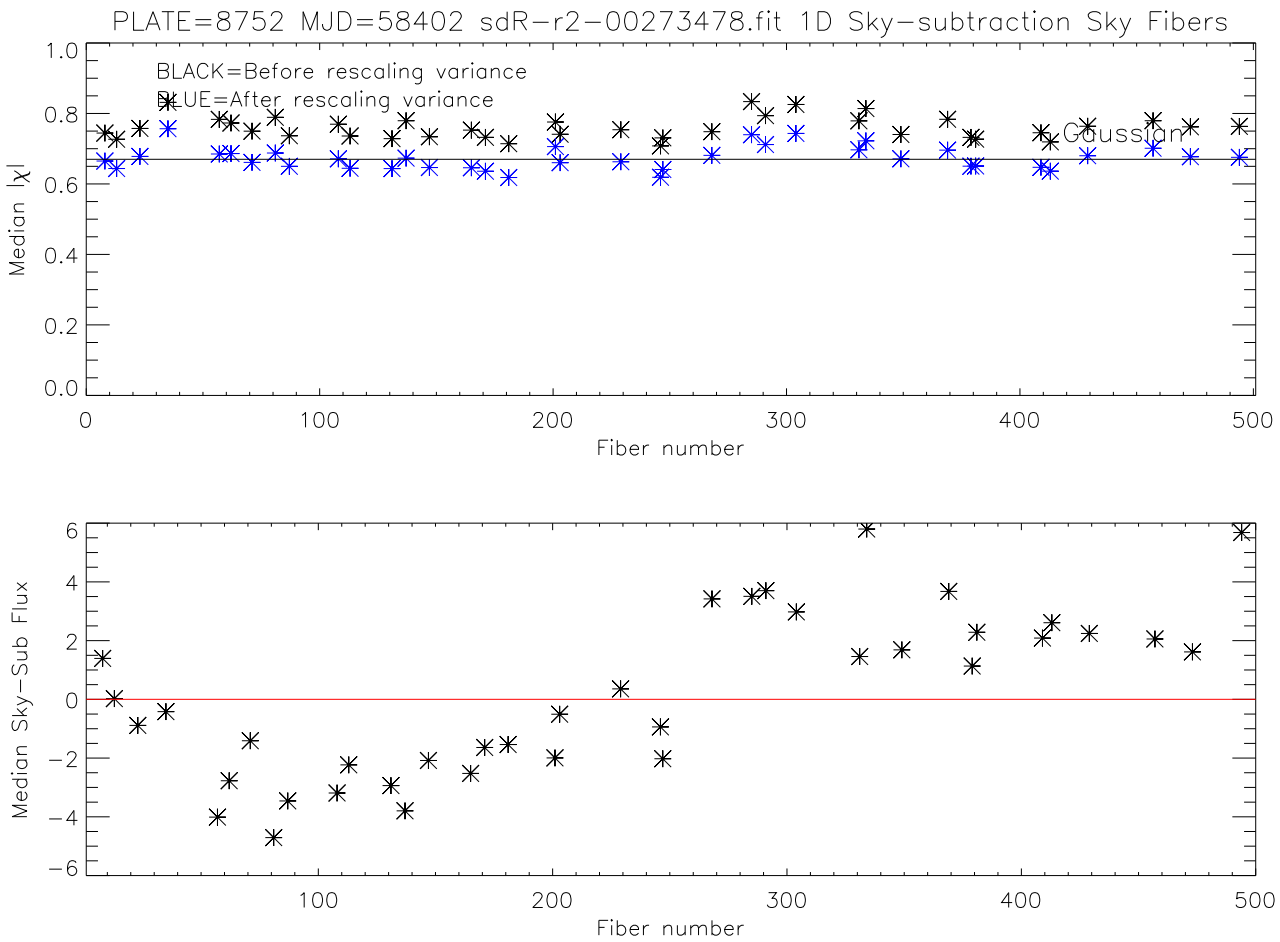

PLATE=8752 MJD=58402 sdR-r2-00273477.fit Skyline Flux at 8888.3
Flux (8888.3)/Airmass
1.40×10^4
1.35×10^4
1.30×10^4
1.25×10^4
1.20×10^4
RED = sky fiber
Dispersion = 0.84 %
0
100
200
300
400
500
Fiber number
Flux (8888.3)/Airmass
1.40×10^4
1.35×10^4
1.30×10^4
1.25×10^4
1.20×10^4
0
100
200
300
400
Focal Distance [mm]
Flux (8888.3)/Airmass
1.40×10^4
1.35×10^4
1.30×10^4
1.25×10^4
1.20×10^4
1.120
1.125
1.130
1.135
1.140
Airmass

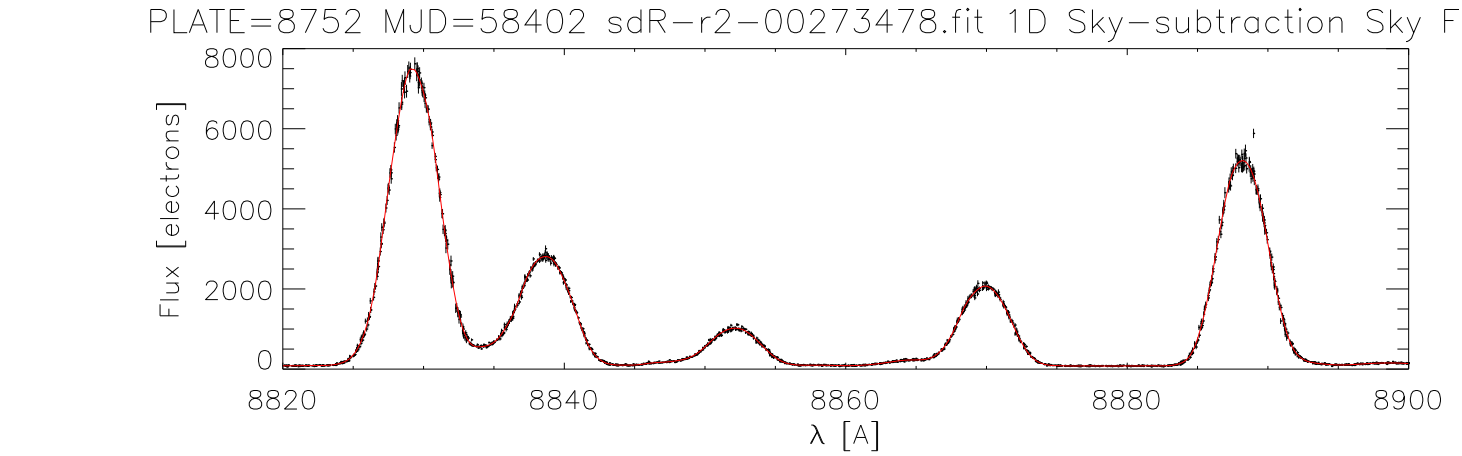

PLATE=8752 MJD=58402 Fiber−Flats for sdR−r2−00273476.fit
BLACK = Median value
ENVELOPE = 95% of points
GREEN = Outlier points
Min value = −45.527
Max value = 3.688
Fiber−Flat
1.5
1.0
0.5
0.0
6.0×10^3
7.0×10^3
8.0×10^3
9.0×10^3
1.0×10^4
1.1×10^4
λ [A]
Mon Mar 18 18:53:16 2019

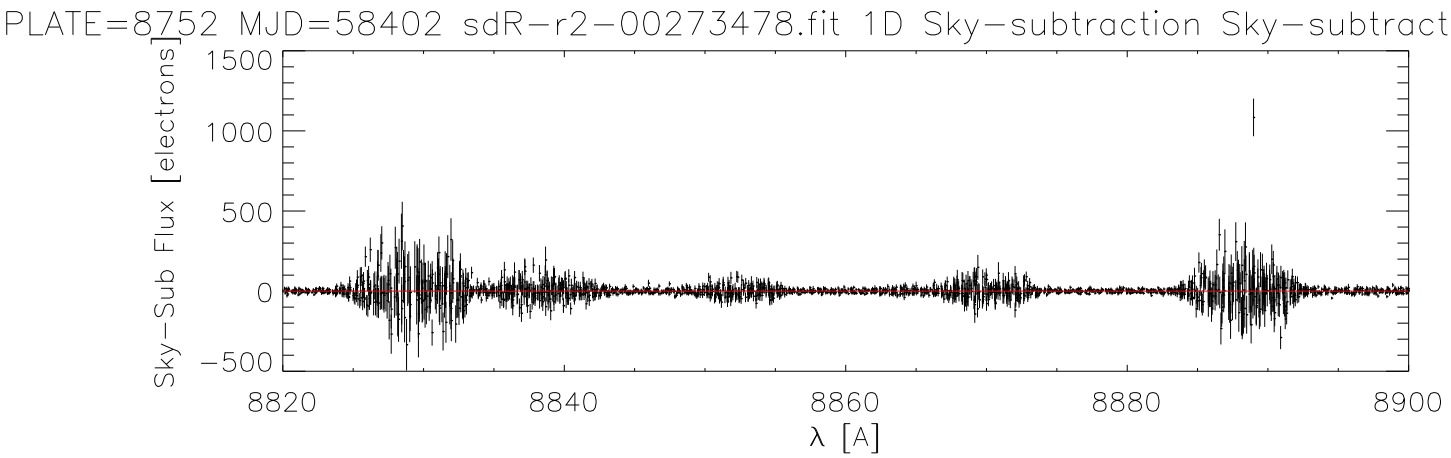

PLATE=8752 MJD=58402 Extraction chi^2 for sdR-r2-00273478.fit
BLACK = Final chisq extraction
χ^2
1.0
0.8
0.6
0.4
0.2
0.0
0
1000
2000
3000
4000
Row number


PLATE=8752 MJD=58402 Sky Line Deviations for sdR-r2-00273478.fit
Before shift
After shift
1.00 pix
Fiber Number
0
100
200
300
400
500
5460557763006363655369236949757177947821839984308885891993759439987 2 ****
Sky Line Wavelength

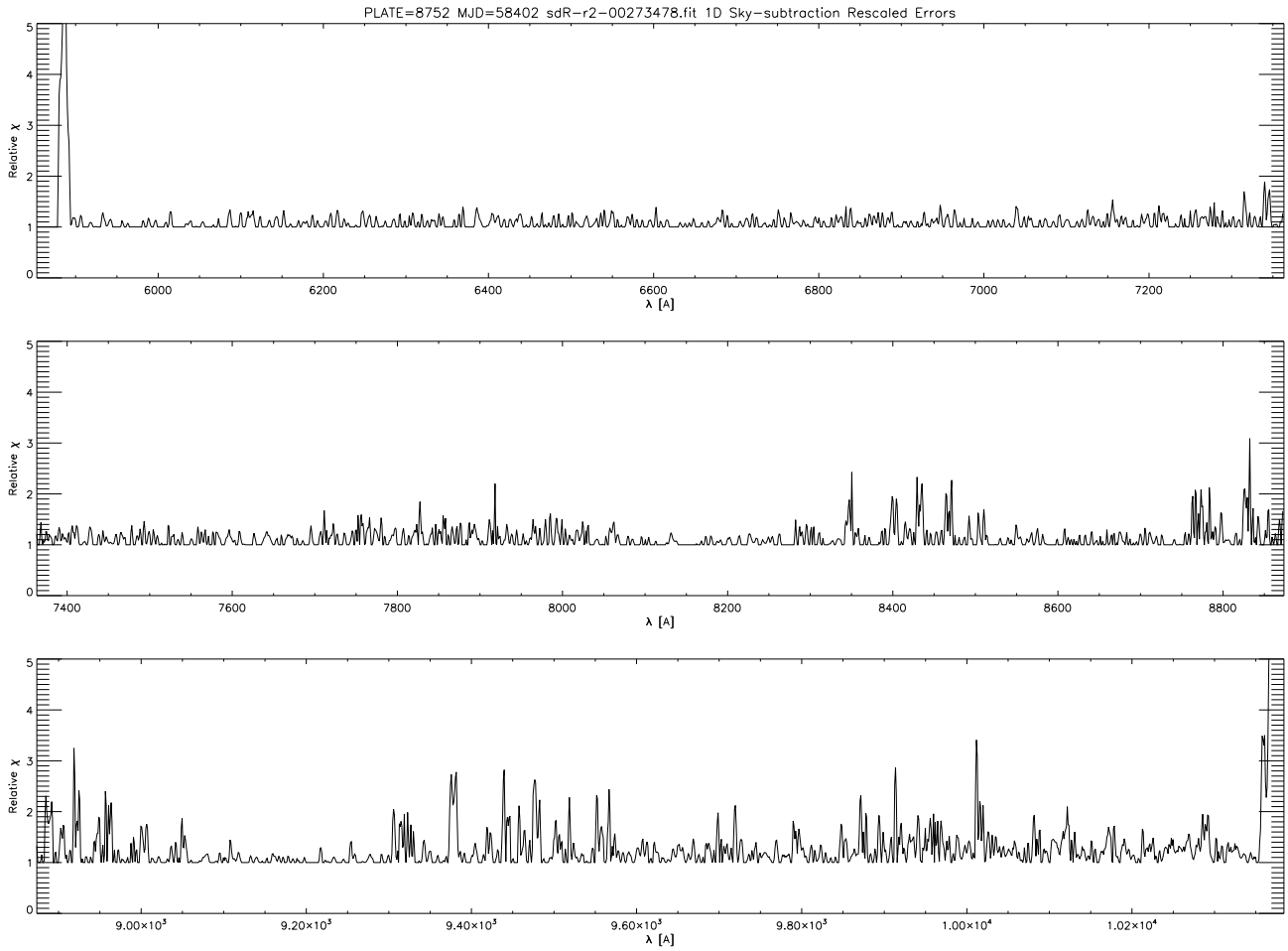

PLATE=8752 MJD=58402 Smooth superflat for sdR-r2-00273478.fit
2.0
1.5
1.0
0.5
0.0
1.04
1.02
1.00
0.98
0.96
6.0×10^3
7.0×10^3
8.0×10^3
9.0×10^3
1.0×10^4
1.1×10^4
Wavelength (Å)

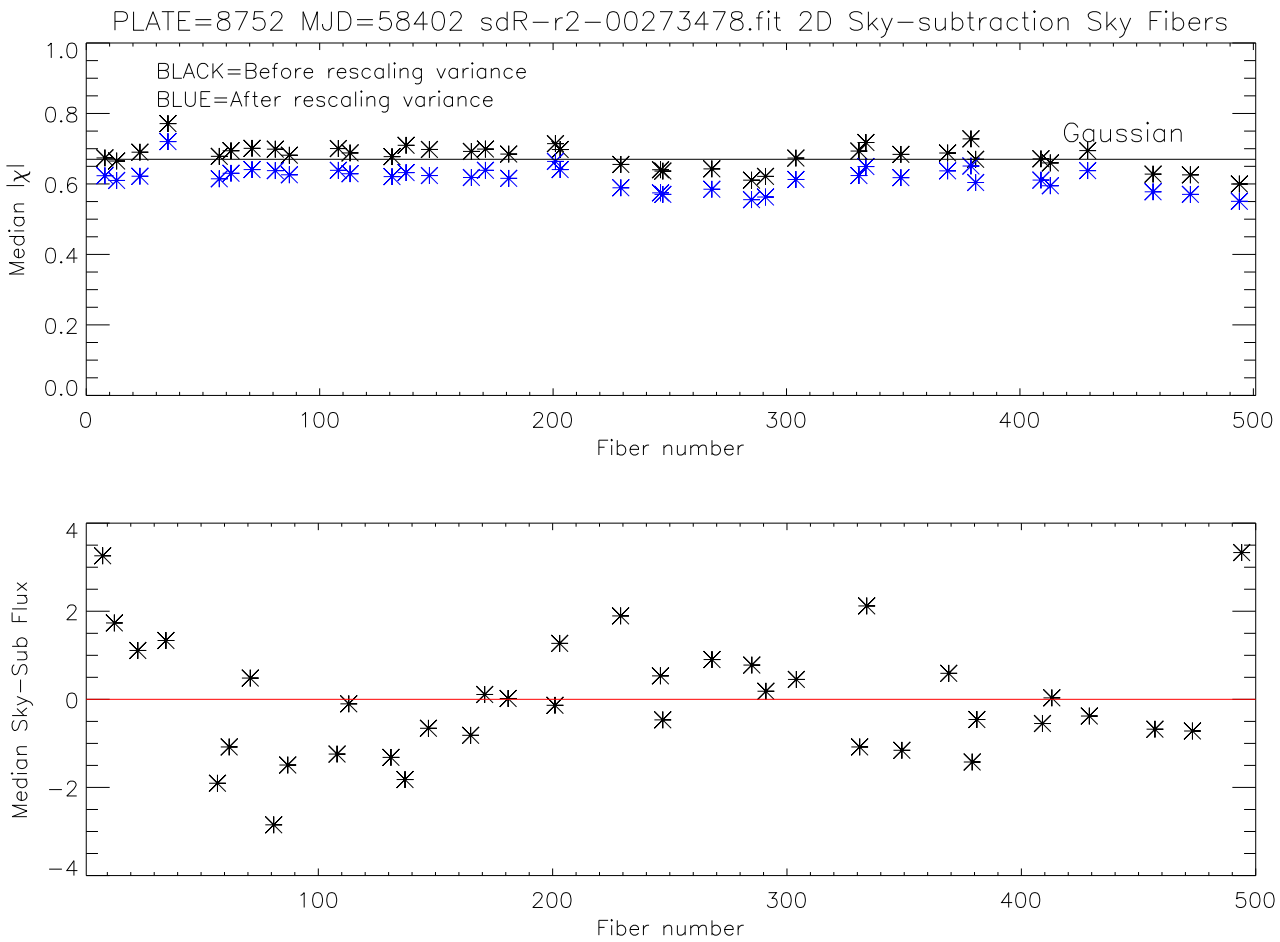

PLATE=8752 MJD=58402 sdR-r2-00273478.fit 1D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

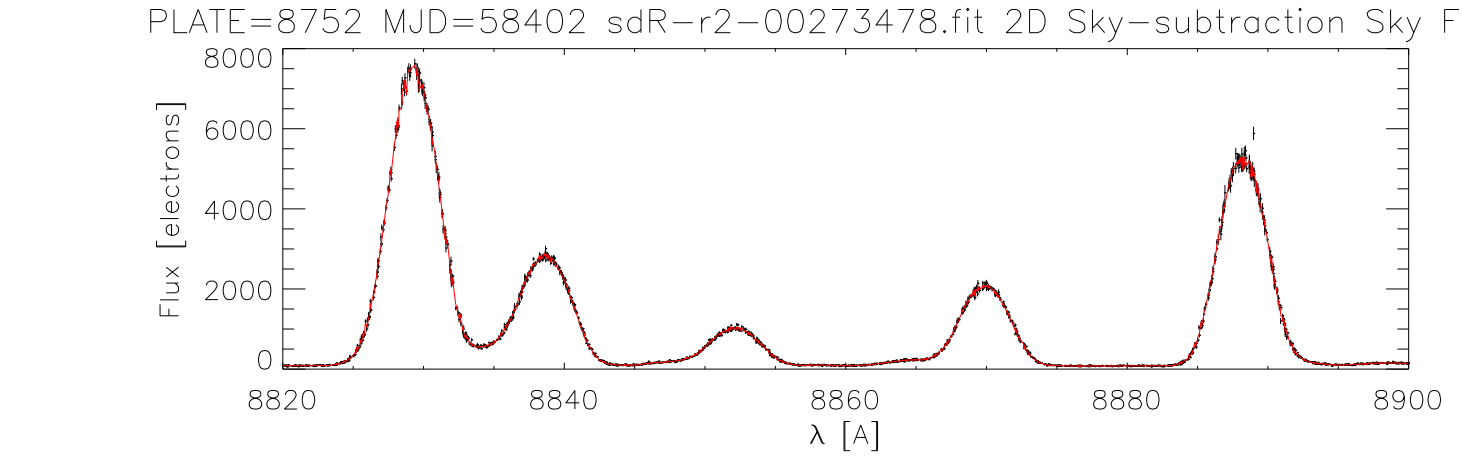

PLATE=8752 MJD=58402 sdR-r2-00273478.fit 1D Sky-subtraction Sky Fibers
Flux [electrons]
8000
6000
4000
2000
0
8820
8840
8860
8880
8900
λ [A]

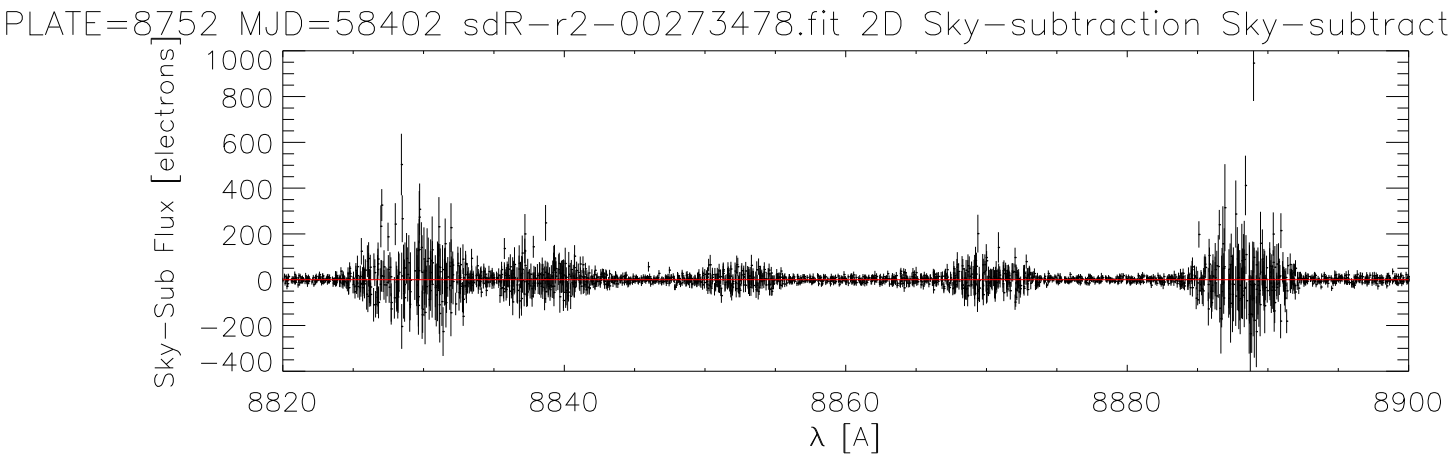

PLATE=8752 MJD=58402 sdR-r2-00273478.fit 1D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
1500
1000
500
0
-500
8820
8840
8860
8880
8900
λ [A]

Number of sky fibers = 38

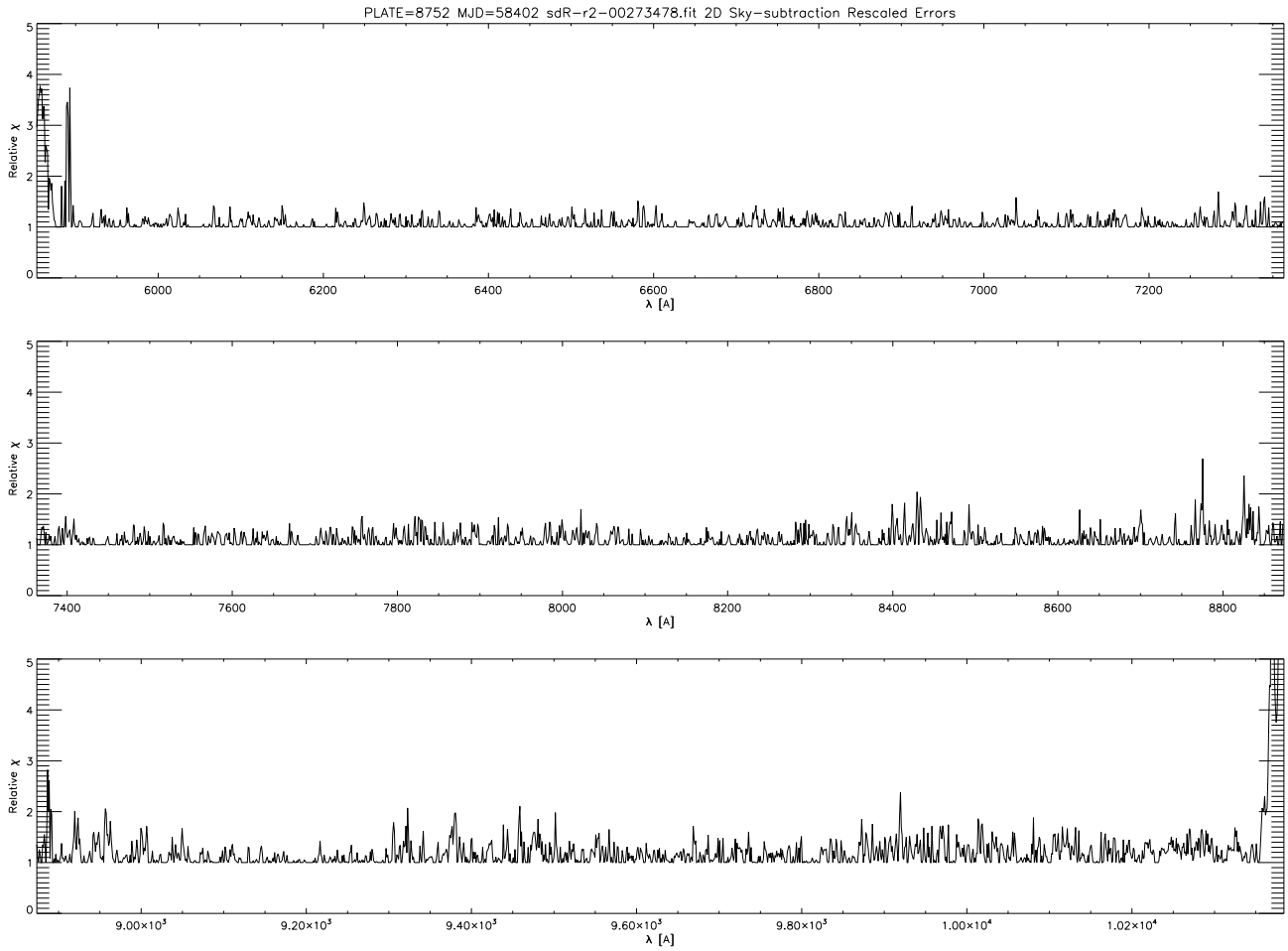


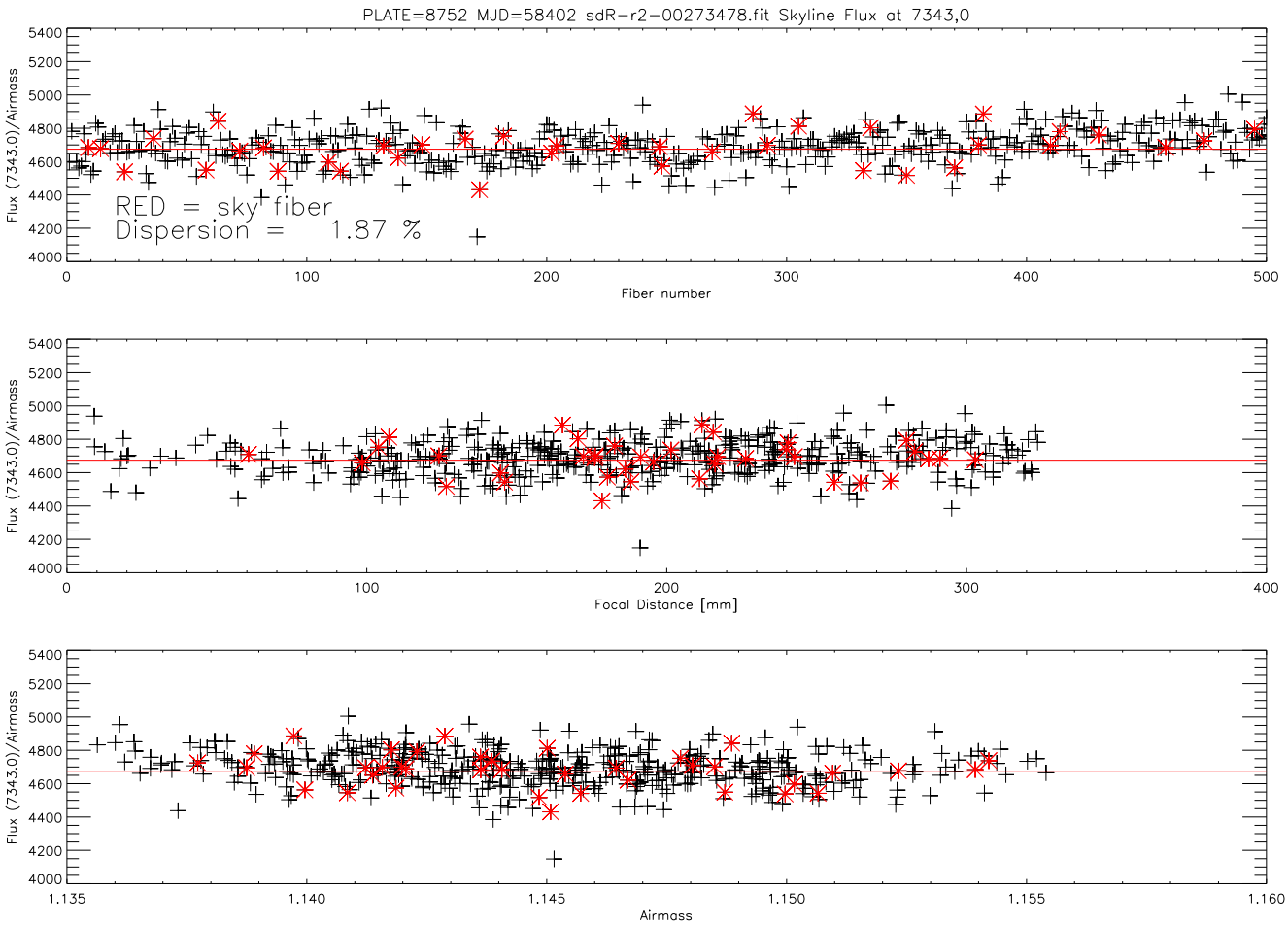

PLATE=8752 MJD=58402 sdR-r2-00273478.fit 2D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

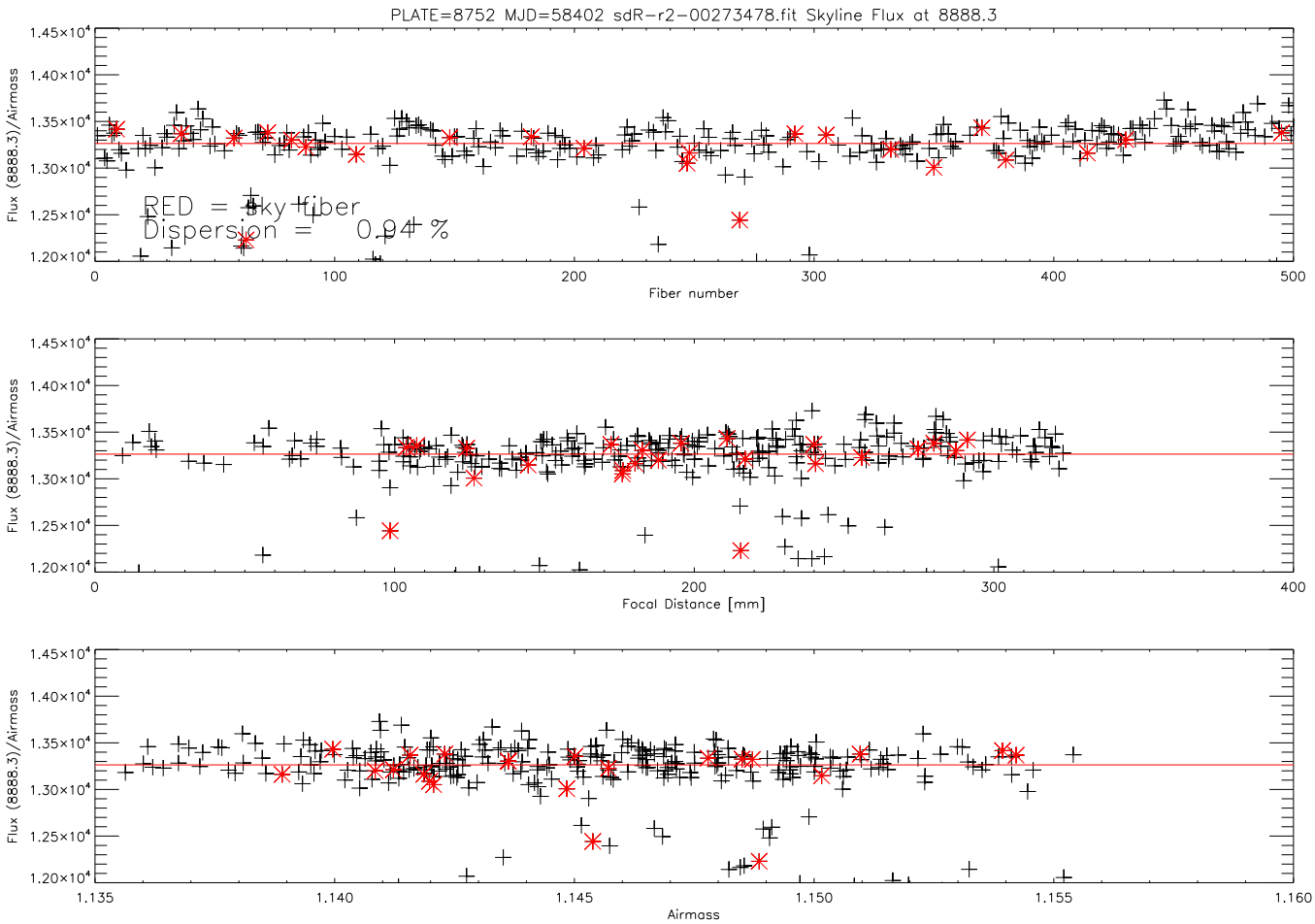

PLATE=8752 MJD=58402 sdR-r2-00273478.fit 2D Sky-subtraction Sky Fibers
Flux [electrons]
8000
6000
4000
2000
0
8820
8840
8860
8880
8900
λ [A]

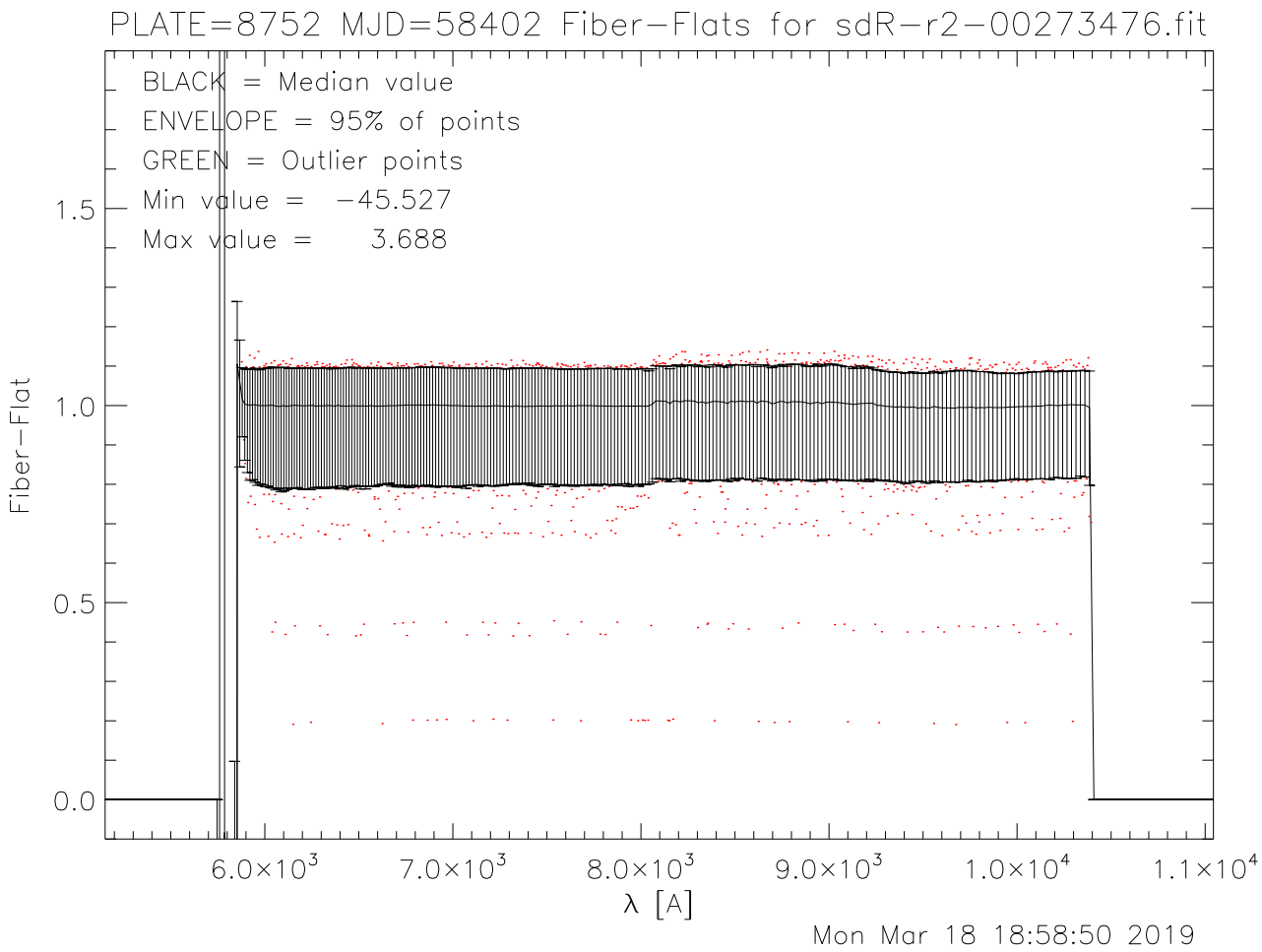

PLATE=8752 MJD=58402 sdR-r2-00273478.fit 2D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
1000
800
600
400
200
0
-200
-400
8820
8840
8860
8880
8900
λ [A]

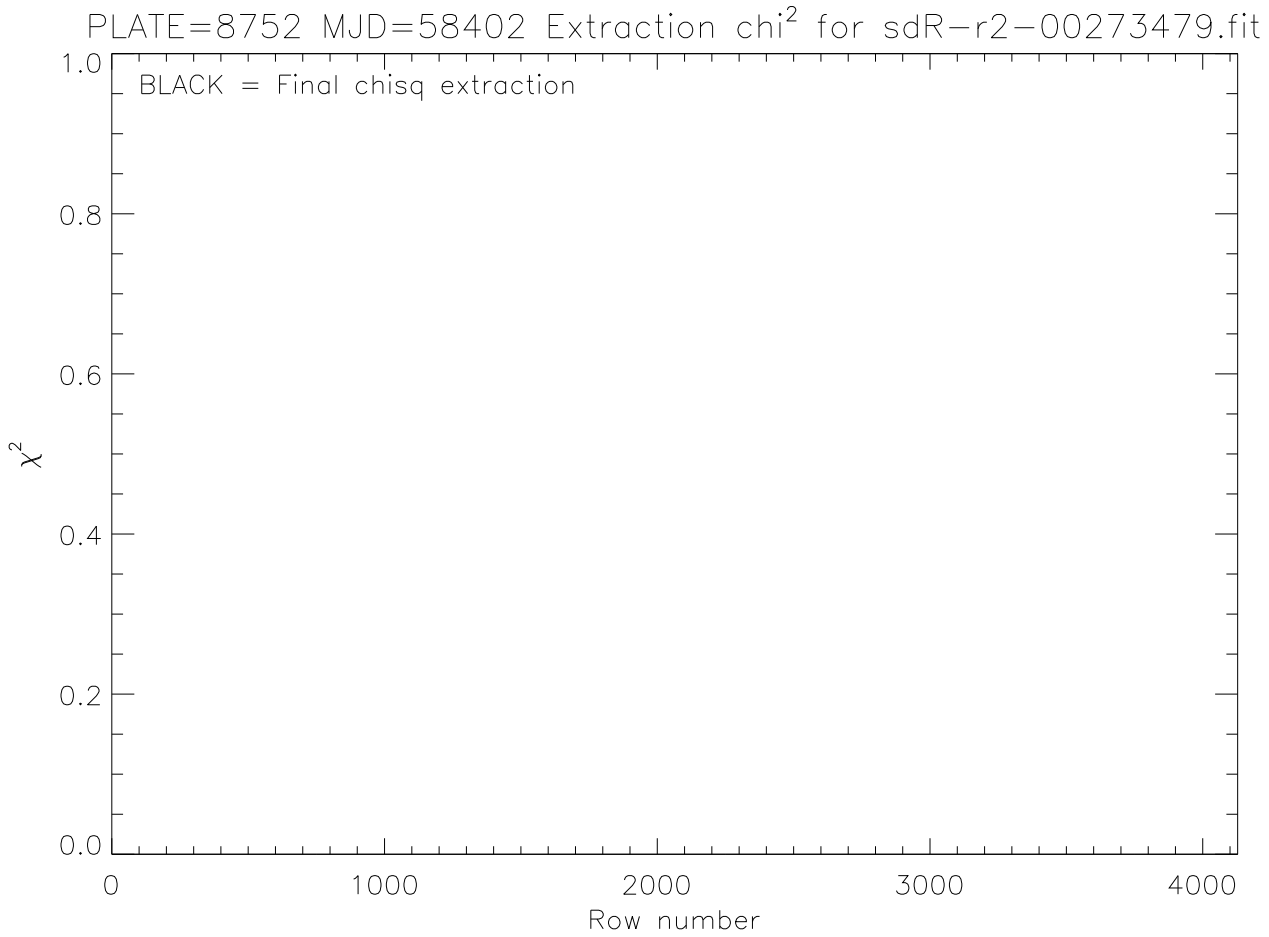
Number of sky fibers = 38

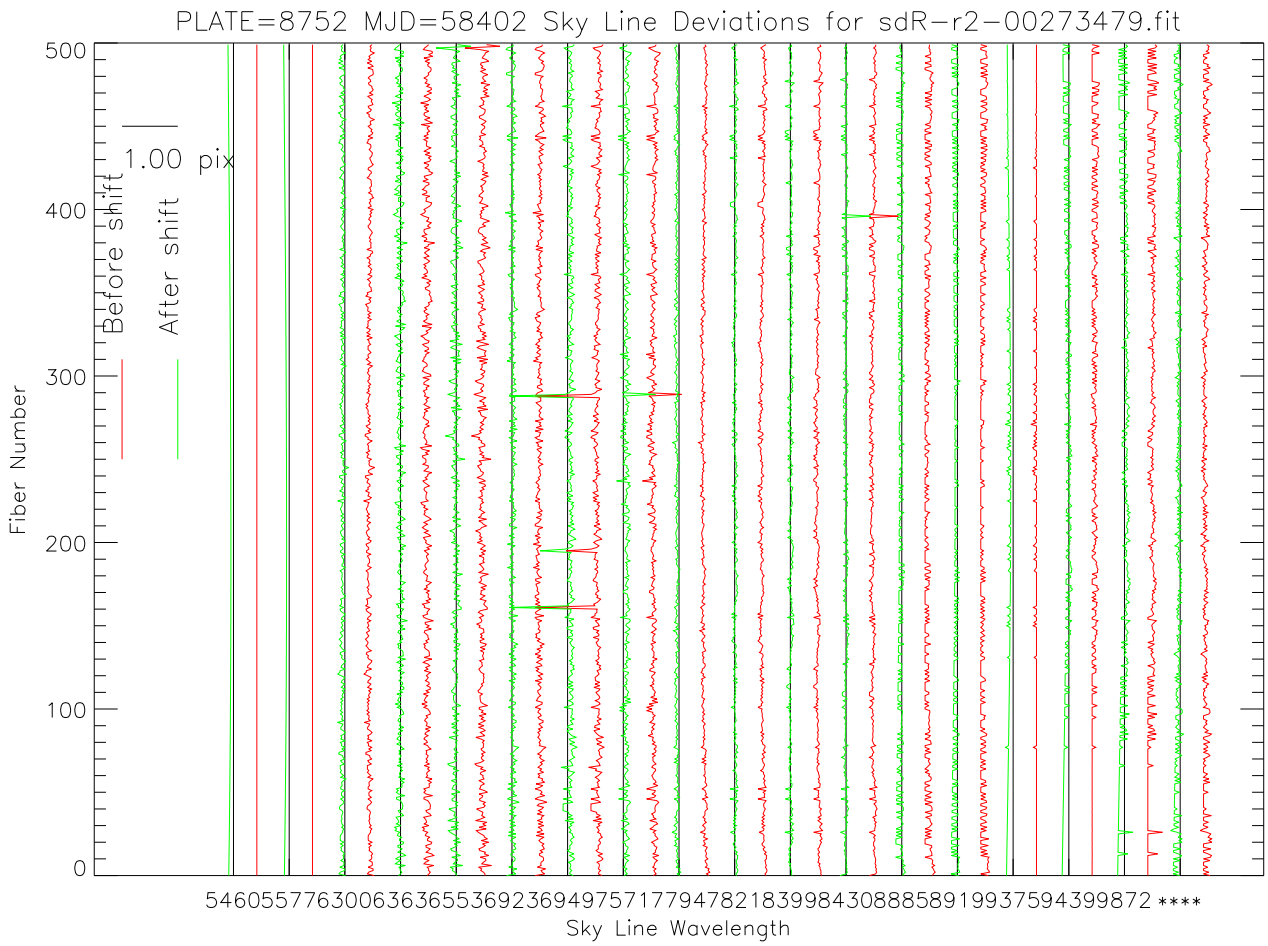


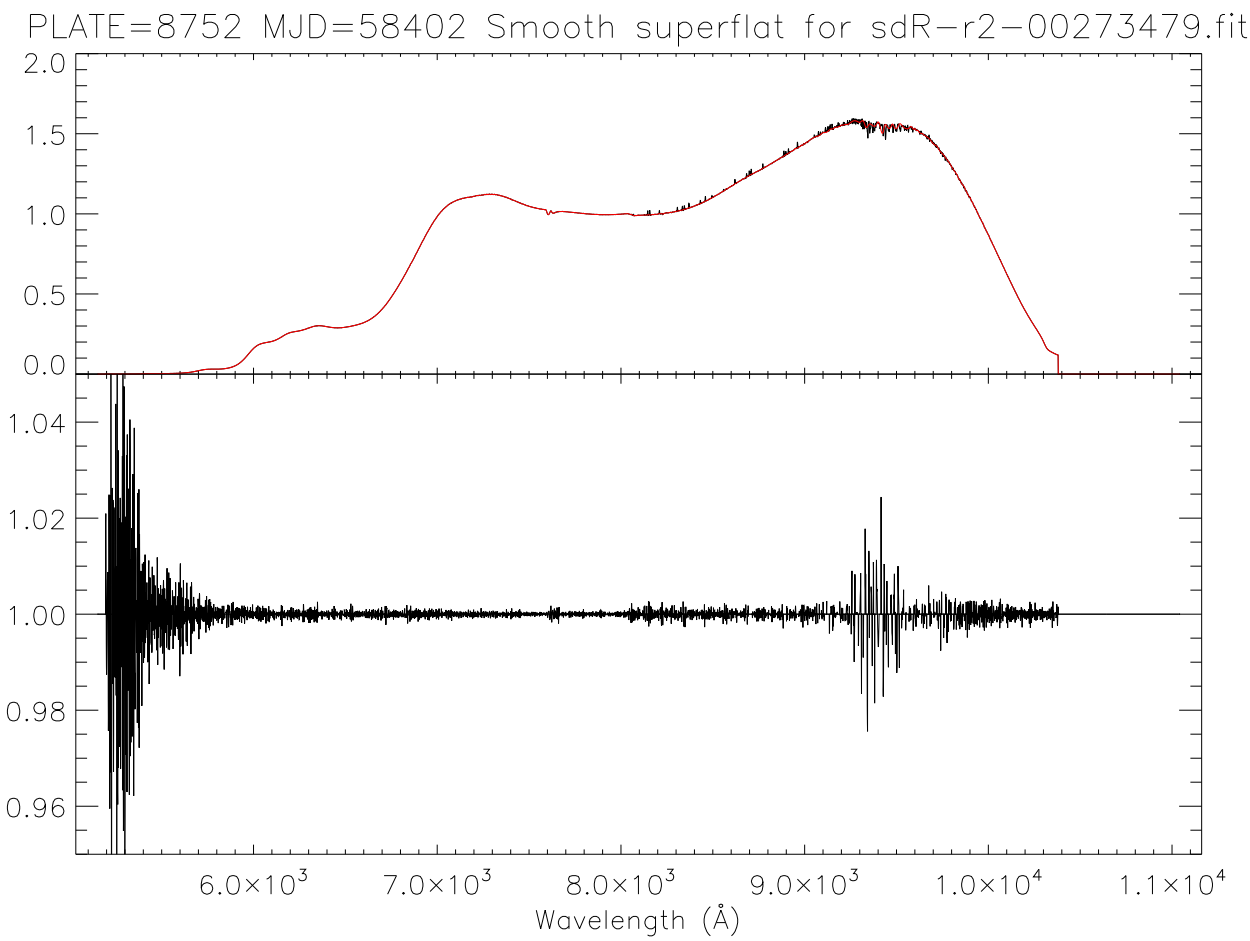

PLATE=8752 MJD=58402 sdR-r2-00273478.fit Skyline Flux at 7343,0
Flux (7343.0)/Airmass
RED = sky fiber
Dispersion = 1.87 %
Fiber number
Flux (7343.0)/Airmass
Focal Distance [mm]
Flux (7343.0)/Airmass
Airmass

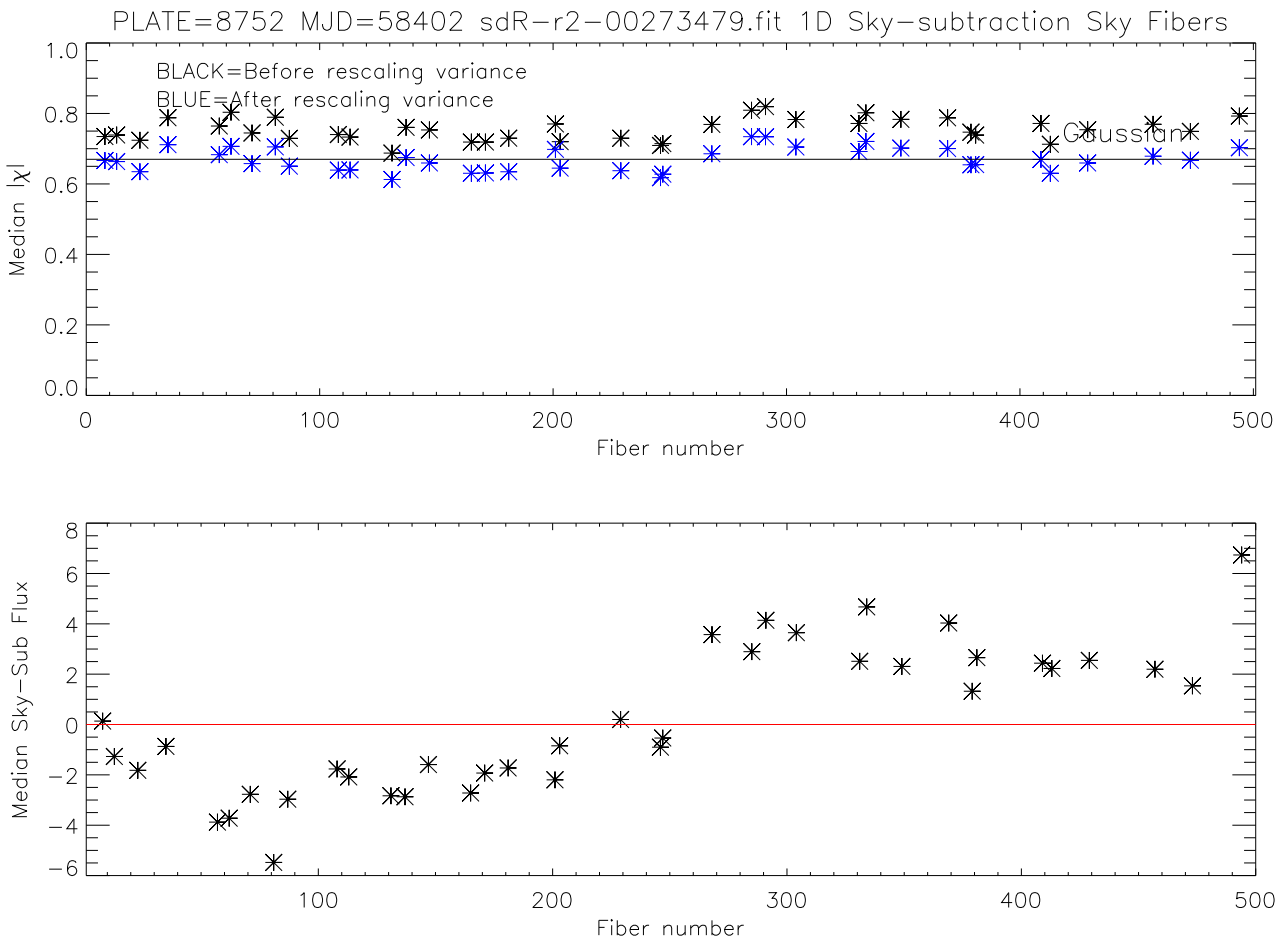

PLATE=8752 MJD=58402 sdR-r2-00273478.fit Skyline Flux at 8888.3
Flux (8888.3)/Airmass
Fiber number
RED = sky fiber
Dispersion = 0.94 %
Flux (8888.3)/Airmass
Focal Distance [mm]
Flux (8888.3)/Airmass
Airmass

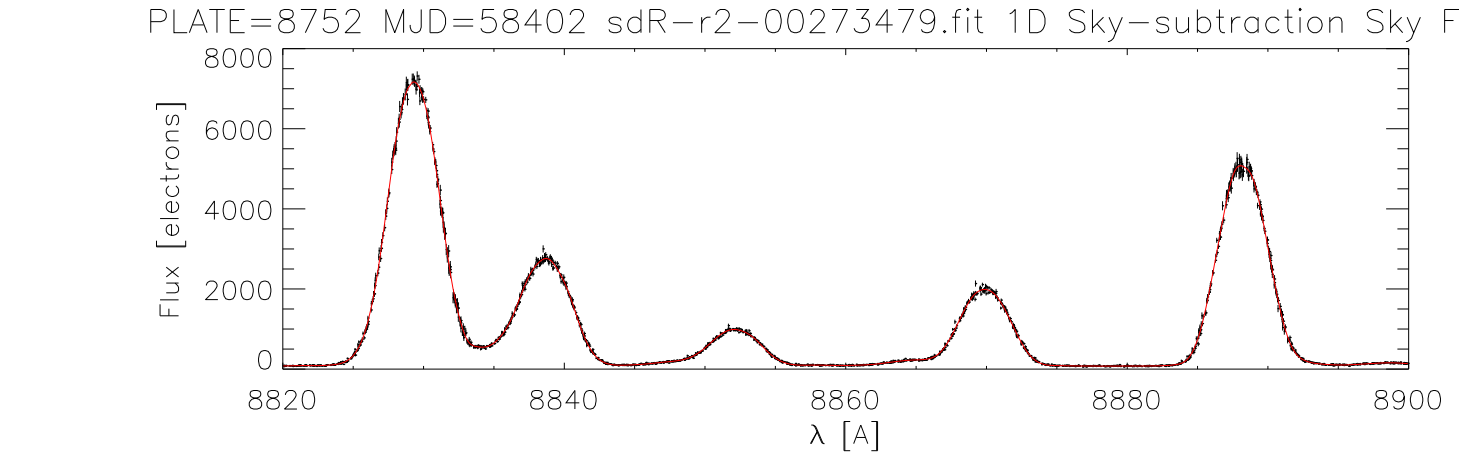

PLATE=8752 MJD=58402 Fiber−Flats for sdR−r2−00273476.fit
BLACK = Median value
ENVELOPE = 95% of points
GREEN = Outlier points
Min value = −45.527
Max value = 3.688
Fiber−Flat
1.5
1.0
0.5
0.0
6.0×10^3
7.0×10^3
8.0×10^3
9.0×10^3
1.0×10^4
1.1×10^4
λ [A]
Mon Mar 18 18:58:50 2019

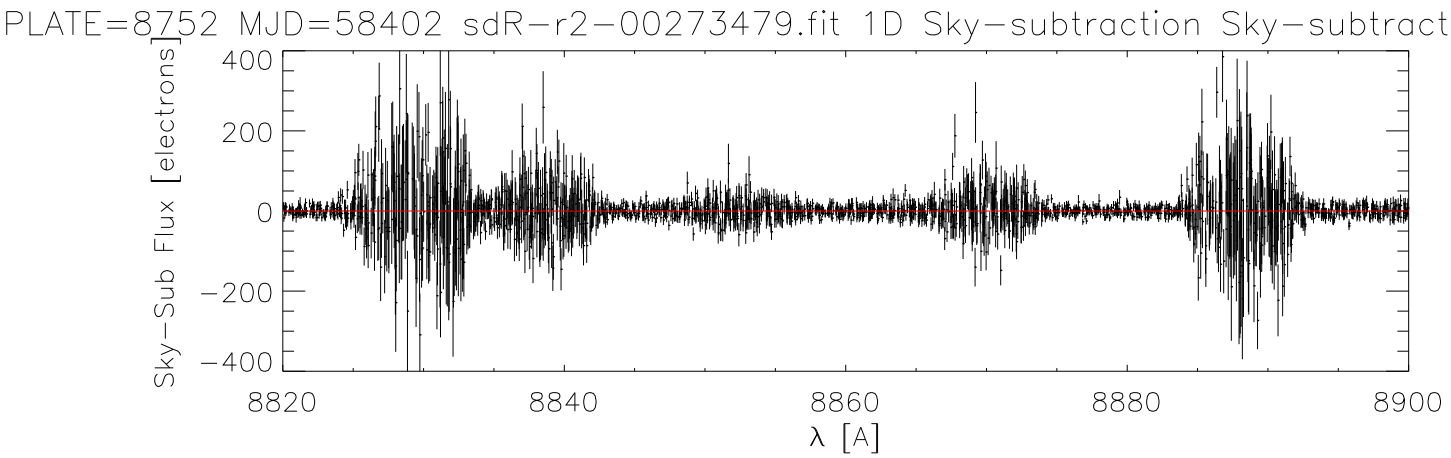

PLATE=8752 MJD=58402 Extraction chi^2 for sdR-r2-00273479.fit
BLACK = Final chisq extraction
χ^2
1.0
0.8
0.6
0.4
0.2
0.0
0
1000
2000
3000
4000
Row number


PLATE=8752 MJD=58402 Sky Line Deviations for sdR-r2-00273479.fit
Before shift
After shift
1.00 pix
Fiber Number
500
400
300
200
100
0
5460557763006363655369236949757177947821839984308885891993759439987 2 ****
Sky Line Wavelength

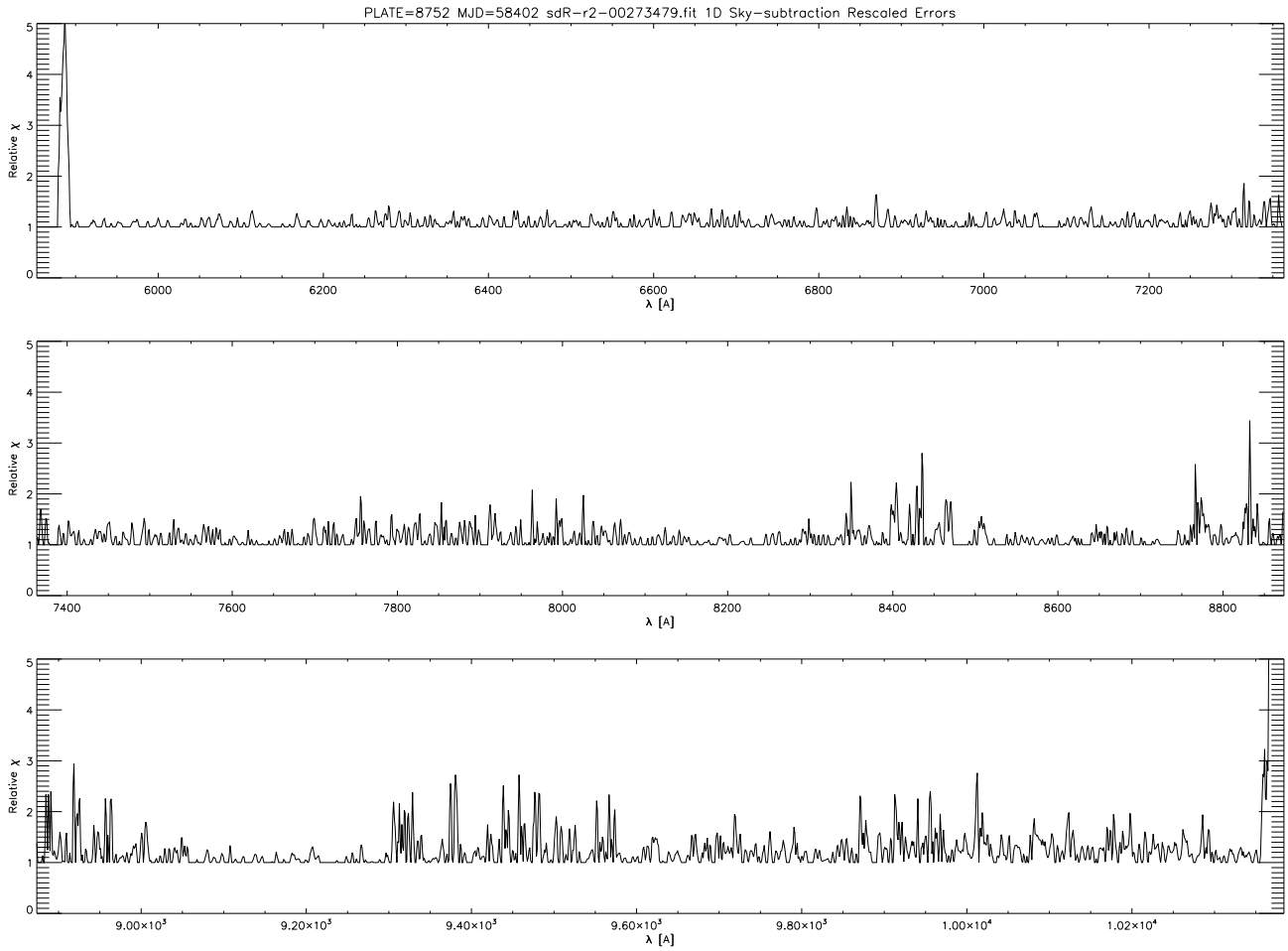

PLATE=8752 MJD=58402 Smooth superflat for sdR-r2-00273479.fit
2.0
1.5
1.0
0.5
0.0
1.04
1.02
1.00
0.98
0.96
6.0×10^3
7.0×10^3
8.0×10^3
9.0×10^3
1.0×10^4
1.1×10^4
Wavelength (Å)

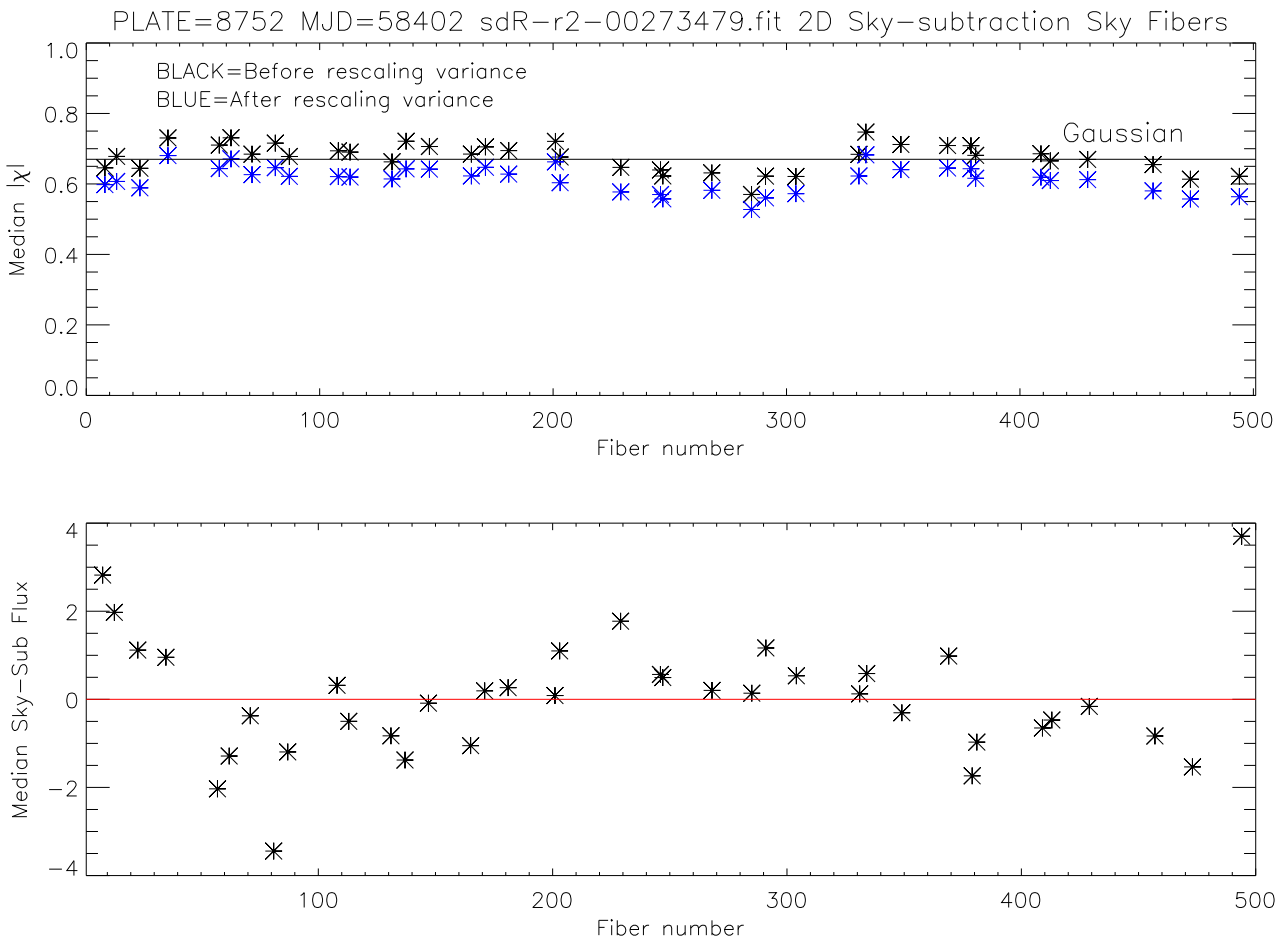

PLATE=8752 MJD=58402 sdR-r2-00273479.fit 1D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

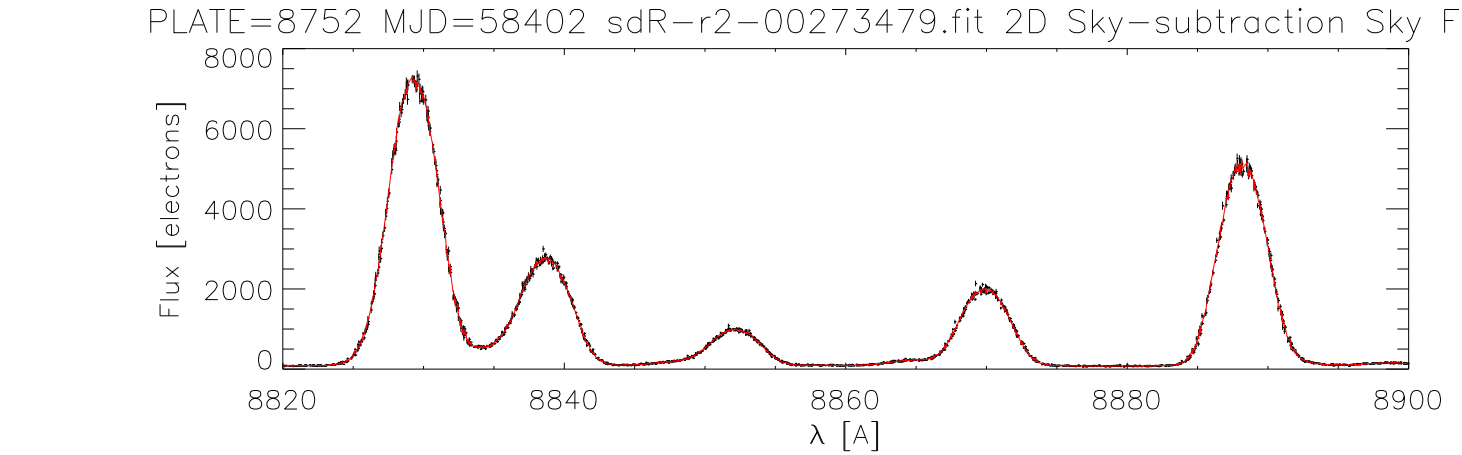

PLATE=8752 MJD=58402 sdR-r2-00273479.fit 1D Sky-subtraction Sky Fibers
Flux [electrons]
8000
6000
4000
2000
0
8820
8840
8860
8880
8900
λ [A]

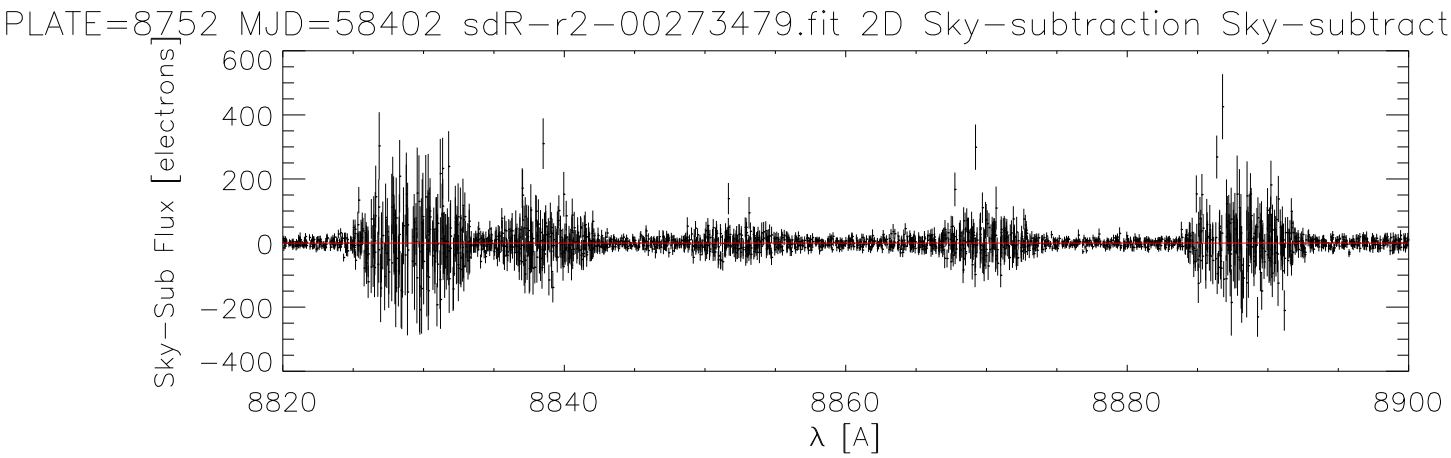

PLATE=8752 MJD=58402 sdR-r2-00273479.fit 1D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
400
200
0
-200
-400
8820
8840
8860
8880
8900
λ [A]

Number of sky fibers = 38

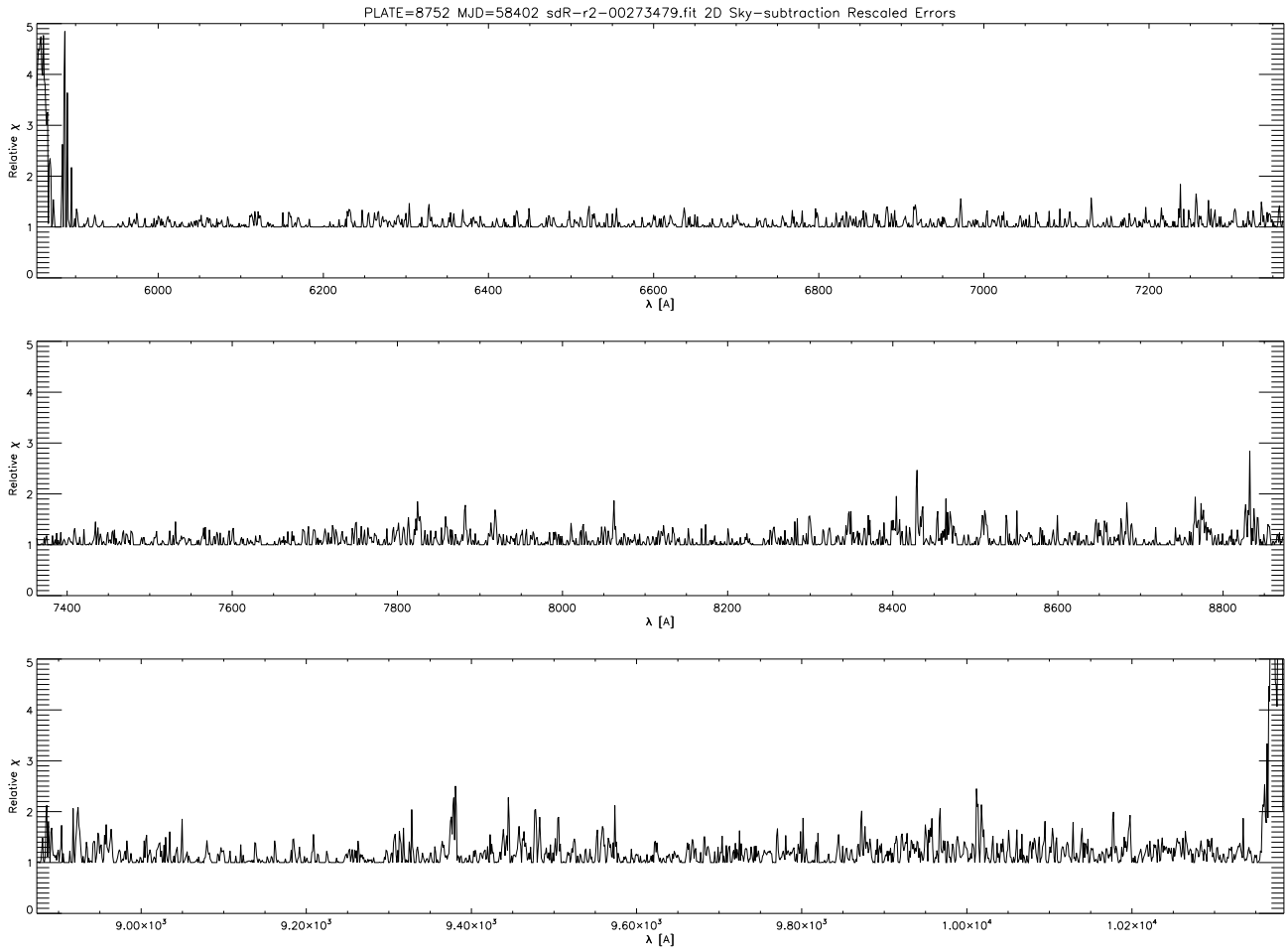


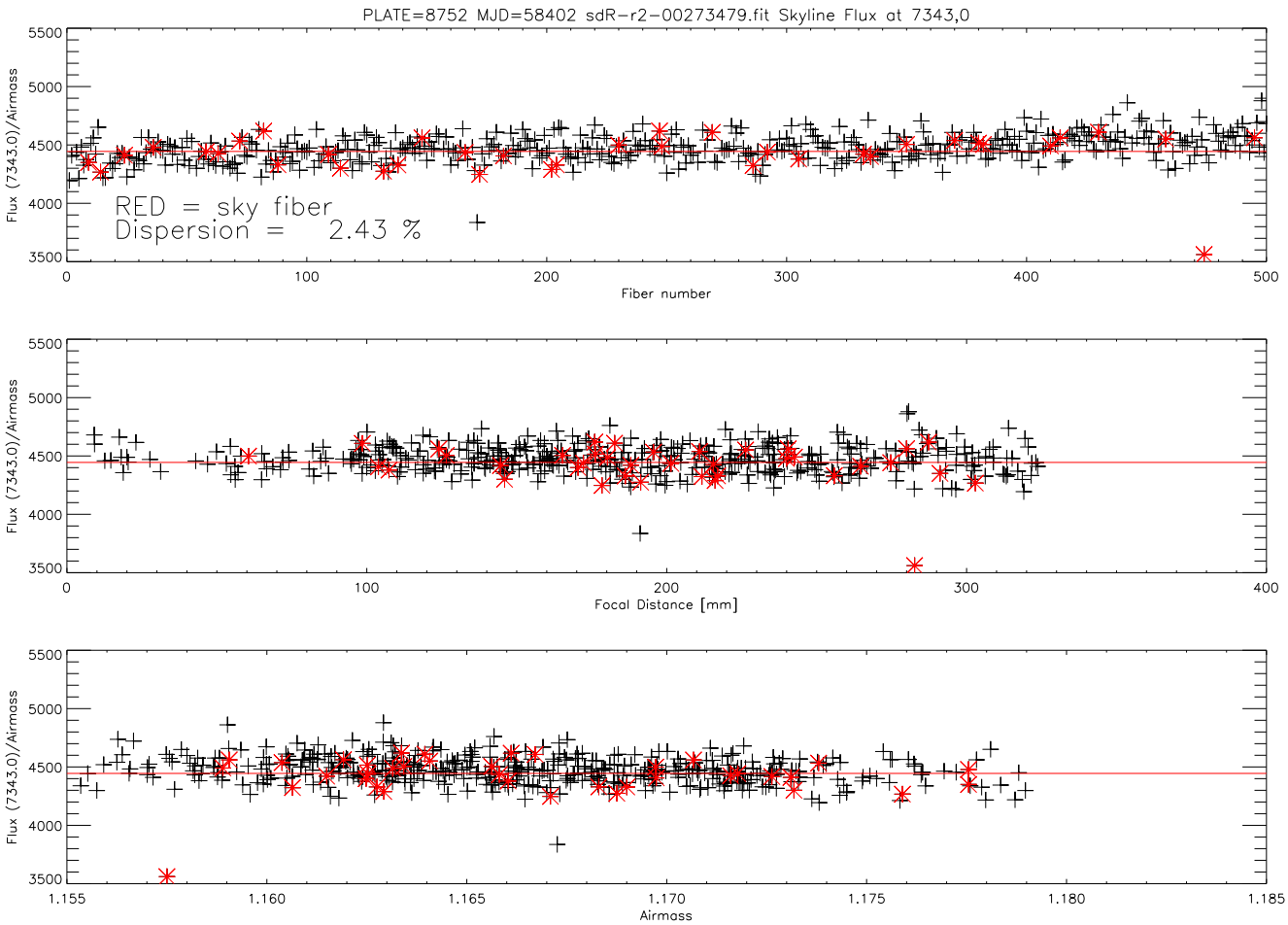

PLATE=8752 MJD=58402 sdR-r2-00273479.fit 2D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

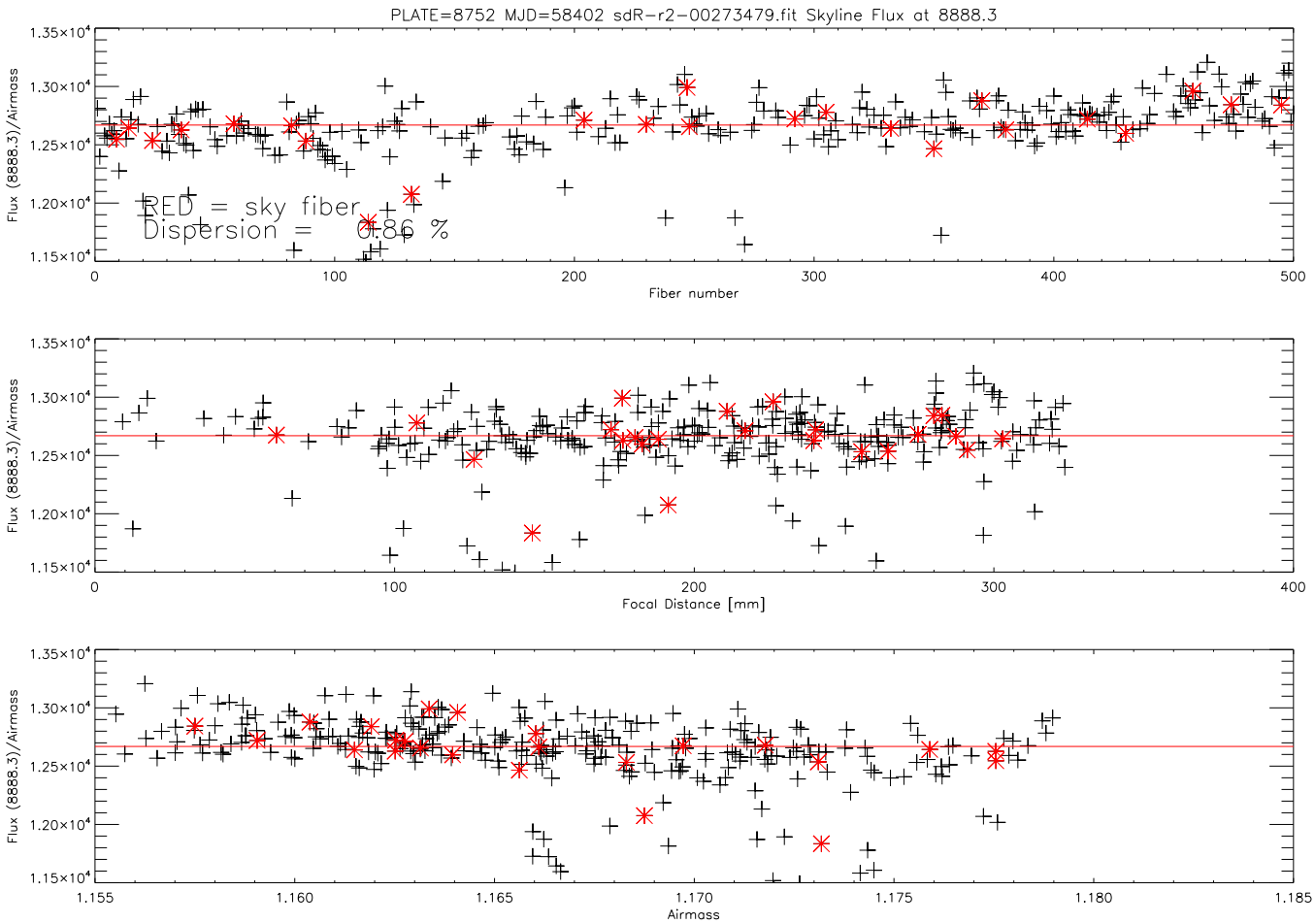

PLATE=8752 MJD=58402 sdR-r2-00273479.fit 2D Sky-subtraction Sky Fibers
Flux [electrons]
8000
6000
4000
2000
0
8820
8840
8860
8880
8900
λ [A]

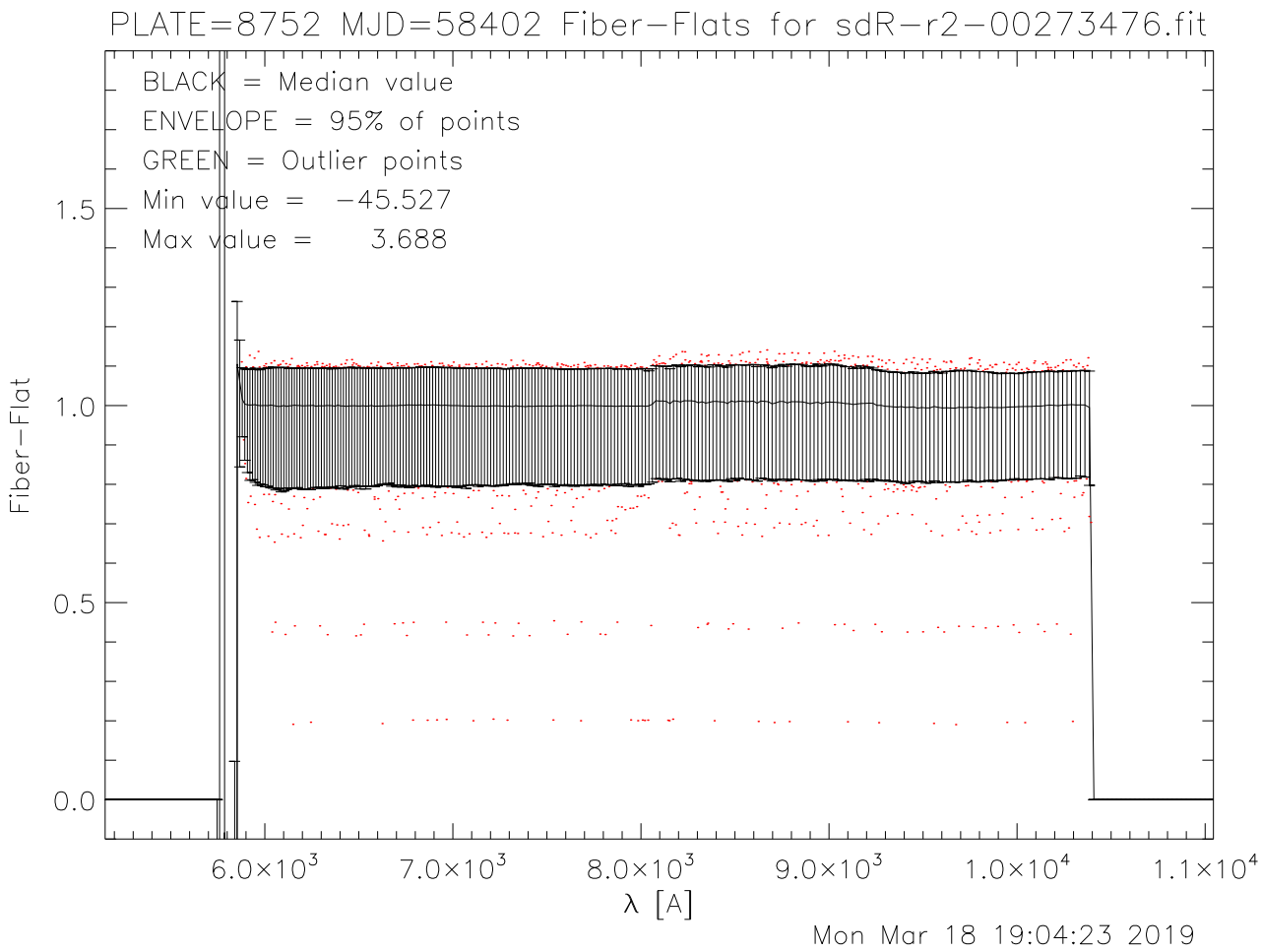

PLATE=8752 MJD=58402 sdR-r2-00273479.fit 2D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
600
400
200
0
-200
-400
8820
8840
8860
8880
8900
λ [A]

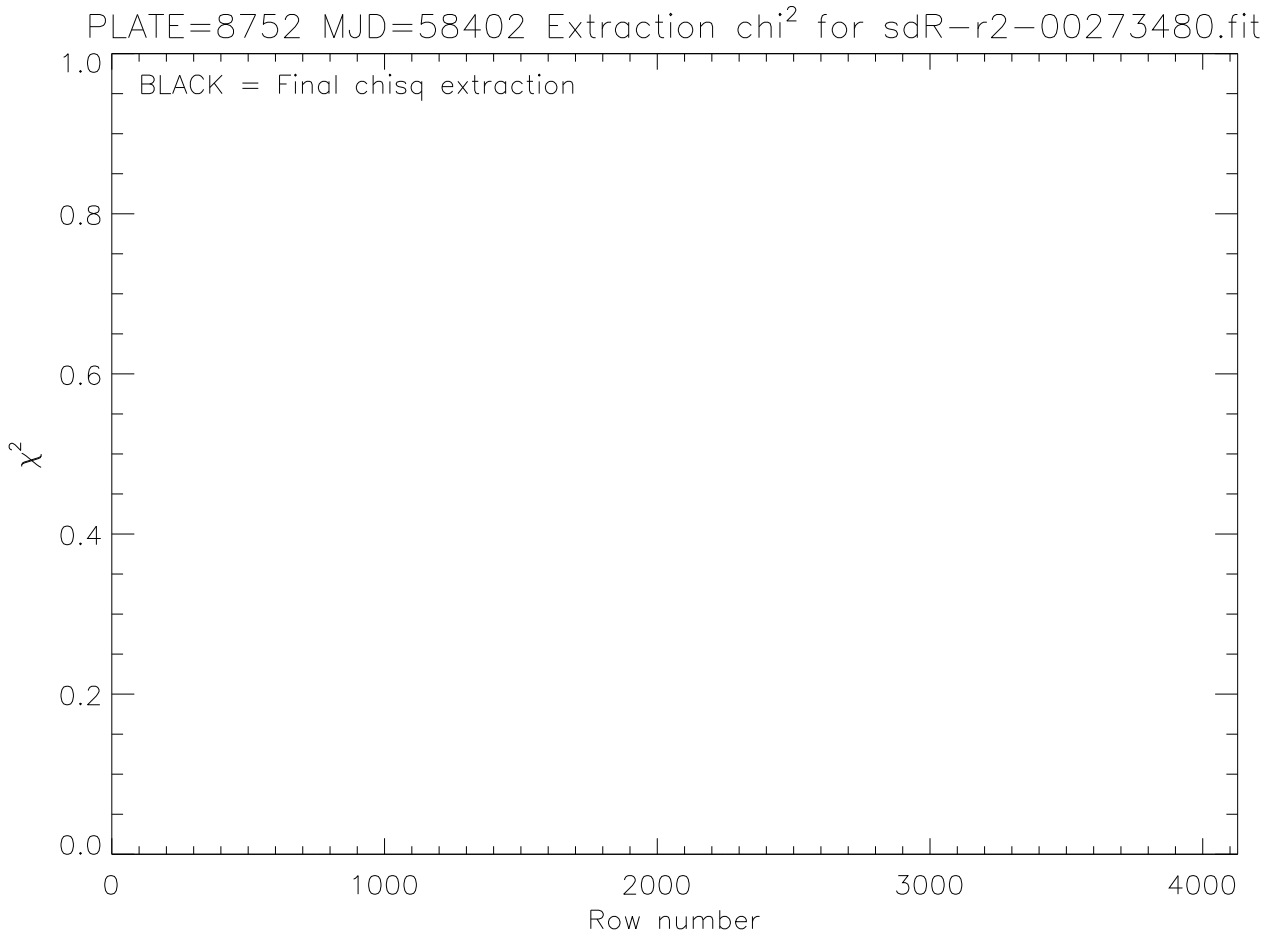
Number of sky fibers = 38

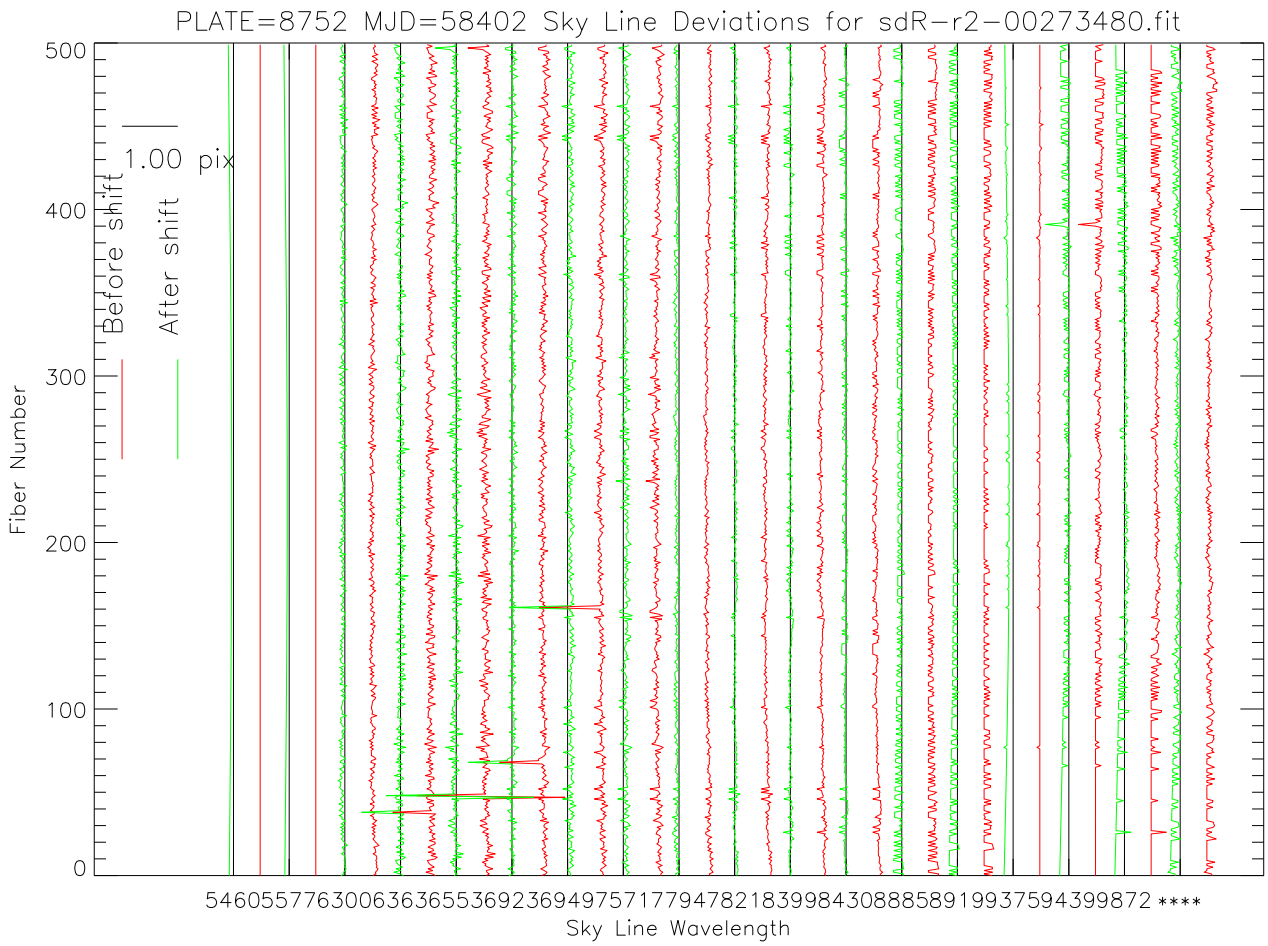


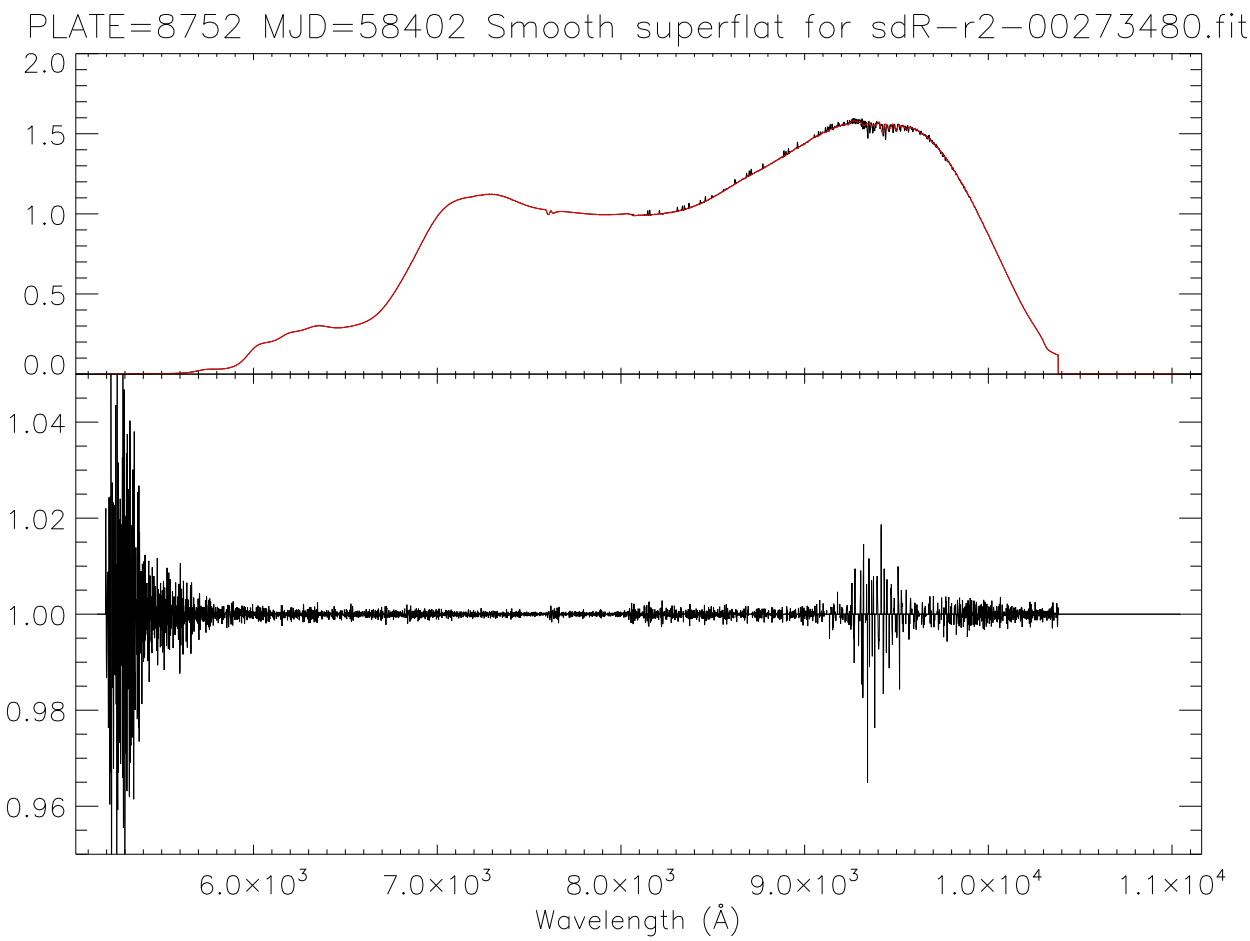

PLATE=8752 MJD=58402 sdR-r2-00273479.fit Skyline Flux at 7343,0
Flux (7343.0)/Airmass
RED = sky fiber
Dispersion = 2.43 %
Fiber number
Focal Distance [mm]
Airmass

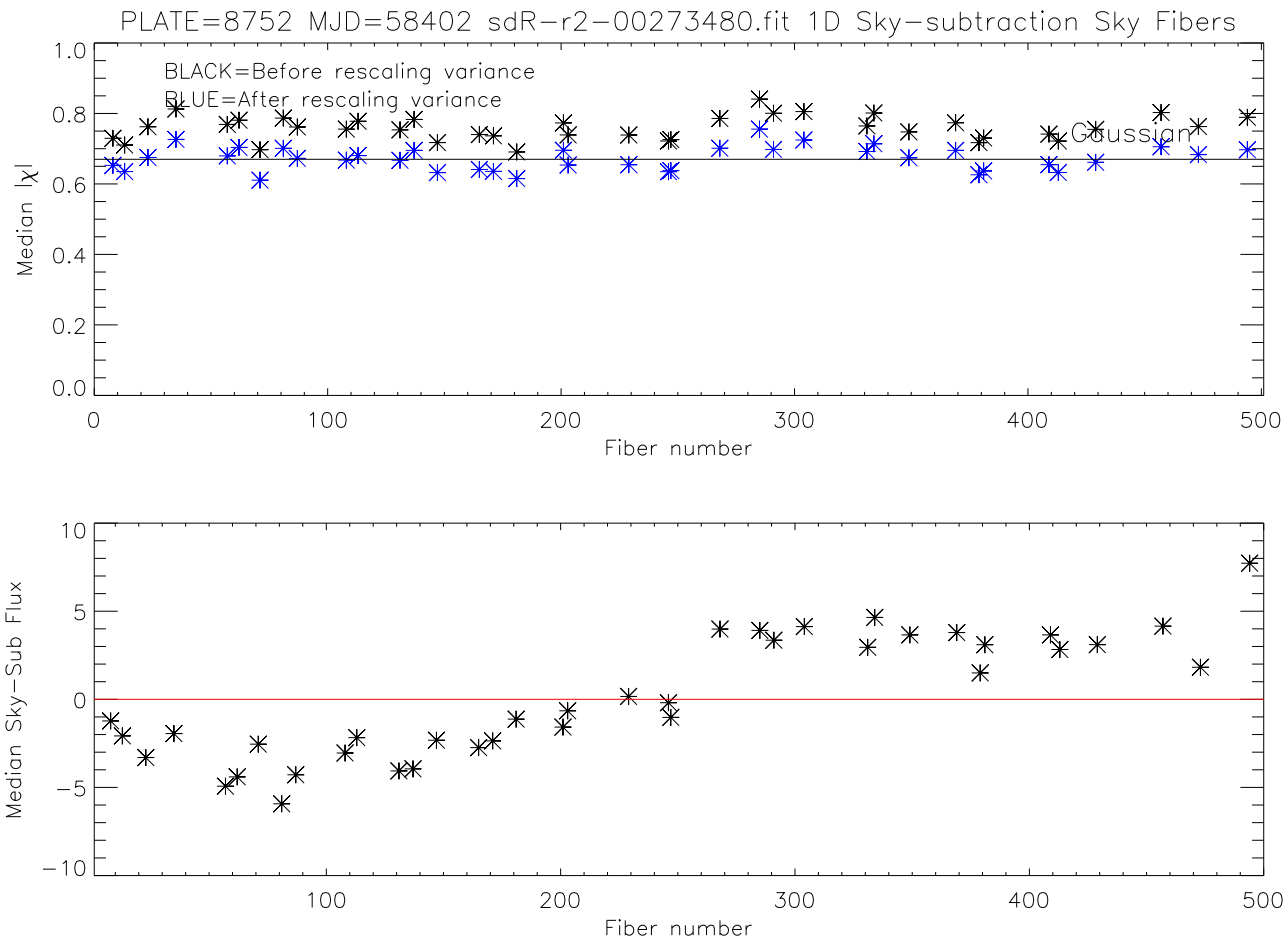

PLATE=8752 MJD=58402 sdR-r2-00273479.fit Skyline Flux at 8888.3
Flux (8888.3)/Airmass
Fiber number
RED = sky fiber
Dispersion = 0.86 %
Flux (8888.3)/Airmass
Focal Distance [mm]
Flux (8888.3)/Airmass
Airmass

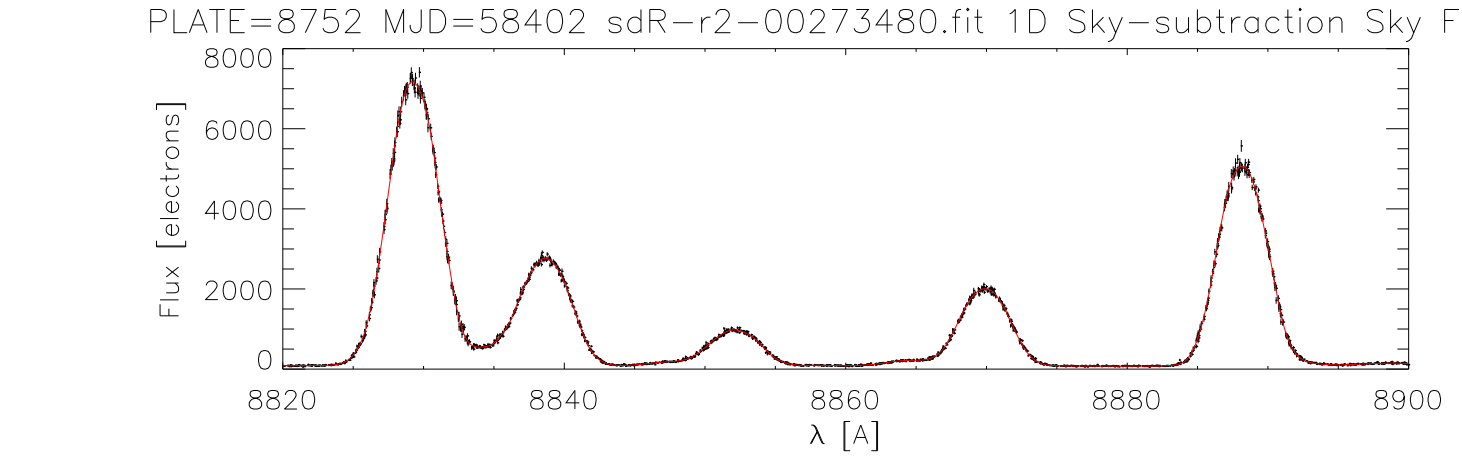

PLATE=8752 MJD=58402 Fiber−Flats for sdR−r2−00273476.fit
BLACK = Median value
ENVELOPE = 95% of points
GREEN = Outlier points
Min value = −45.527
Max value = 3.688
Fiber−Flat
1.5
1.0
0.5
0.0
6.0×10^3
7.0×10^3
8.0×10^3
9.0×10^3
1.0×10^4
1.1×10^4
λ [A]
Mon Mar 18 19:04:23 2019

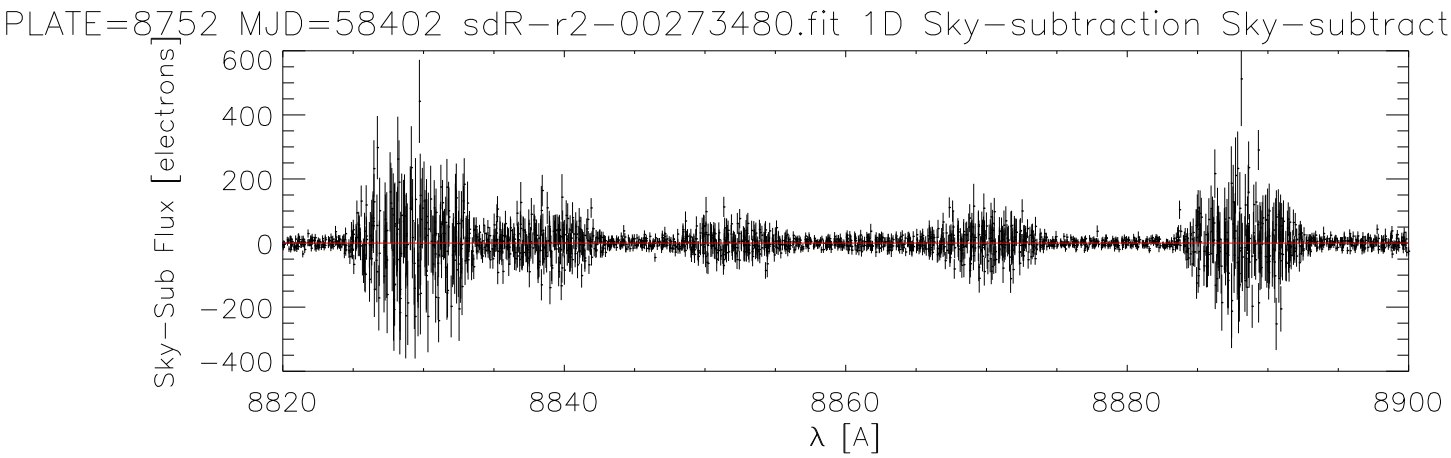

PLATE=8752 MJD=58402 Extraction chi^2 for sdR−r2−00273480.fit
BLACK = Final chisq extraction
χ^2
1.0
0.8
0.6
0.4
0.2
0.0
0
1000
2000
3000
4000
Row number


PLATE=8752 MJD=58402 Sky Line Deviations for sdR-r2-00273480.fit
Before shift
After shift
1.00 pix
Fiber Number
0
100
200
300
400
500
5460557763006363655369236949757177947821839984308885891993759439987 2 ****
Sky Line Wavelength

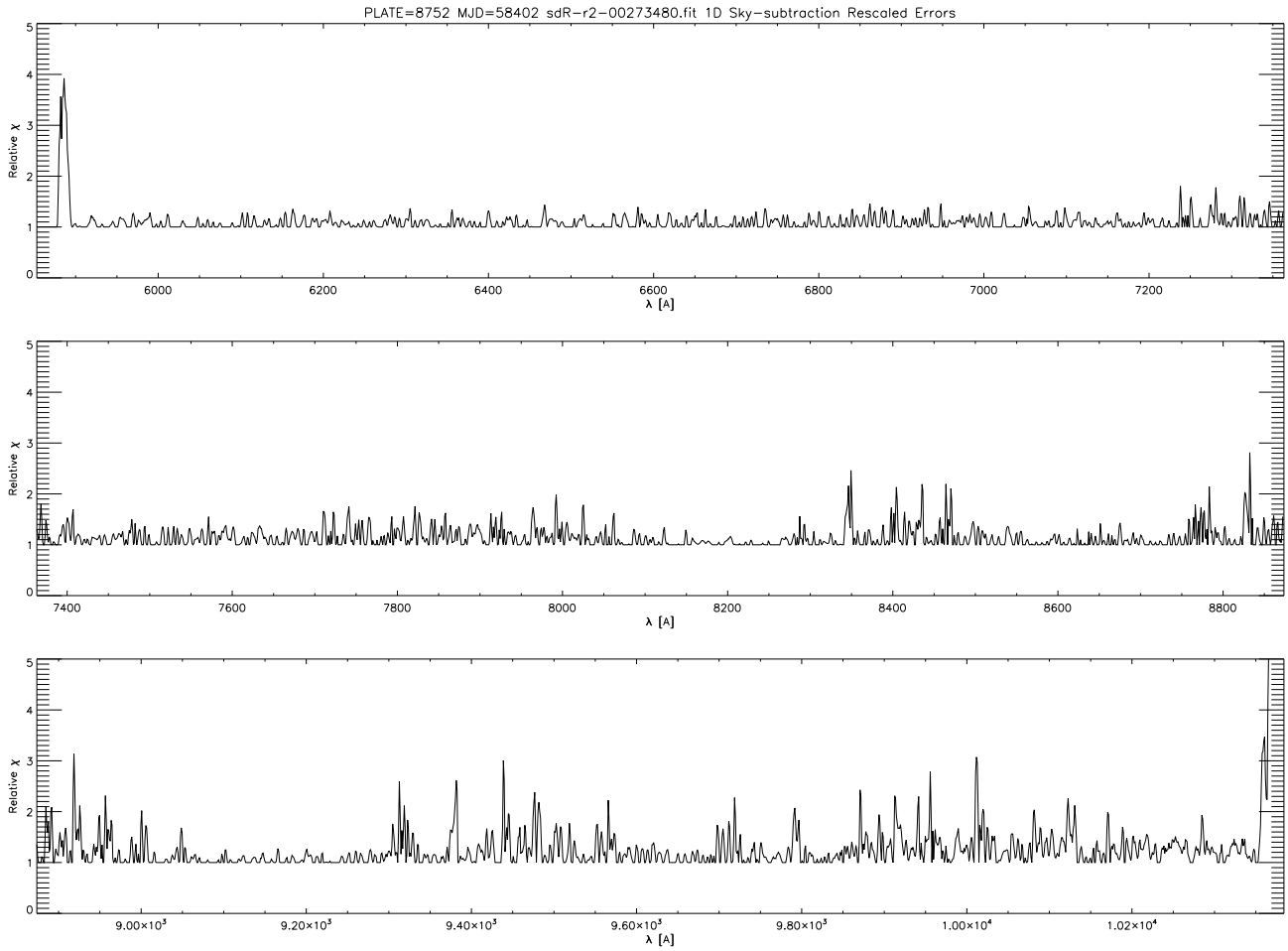

PLATE=8752 MJD=58402 Smooth superflat for sdR-r2-00273480.fit
2.0
1.5
1.0
0.5
0.0
1.04
1.02
1.00
0.98
0.96
6.0×10^3
7.0×10^3
8.0×10^3
9.0×10^3
1.0×10^4
1.1×10^4
Wavelength (Å)

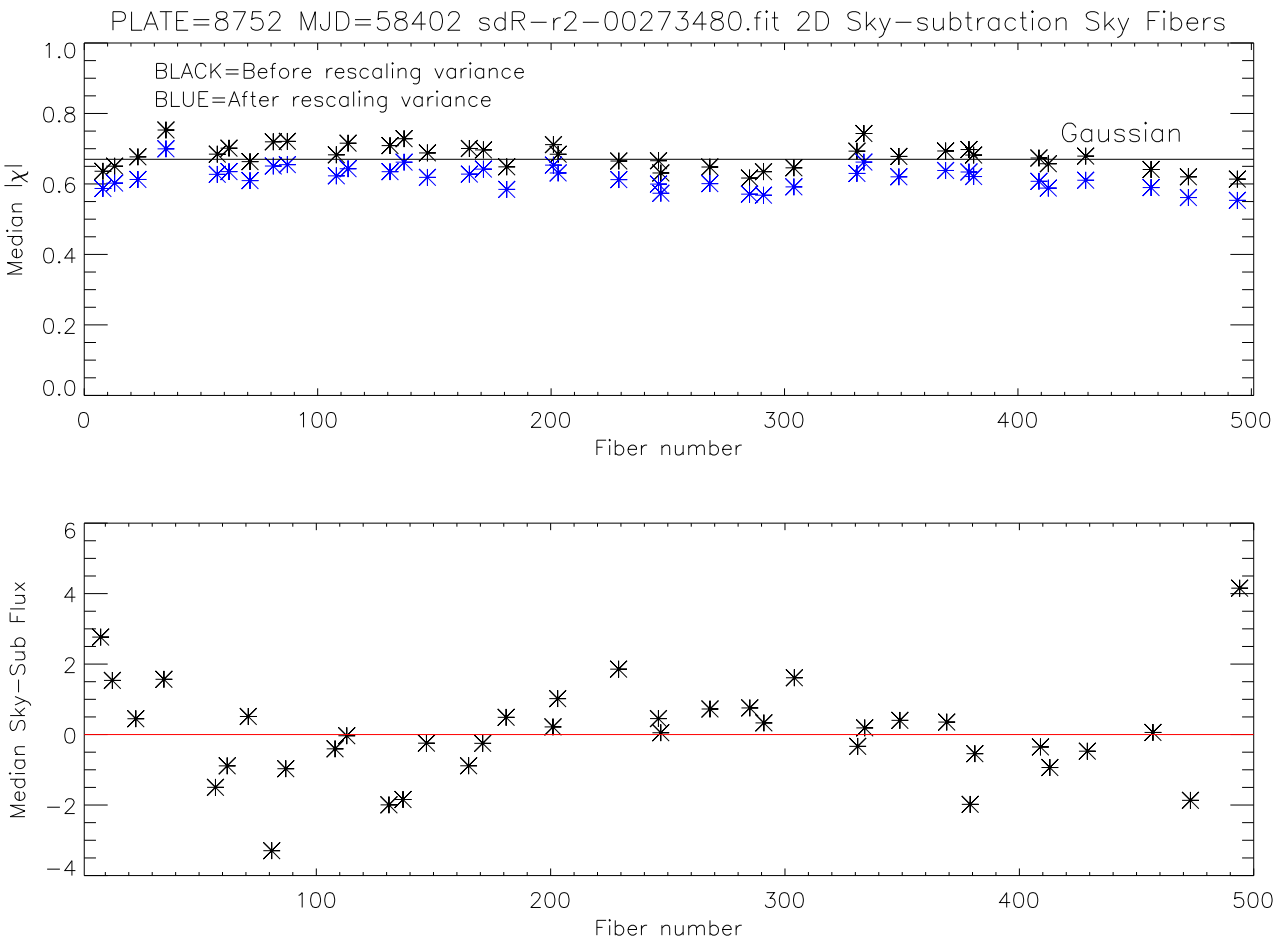

PLATE=8752 MJD=58402 sdR-r2-00273480.fit 1D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

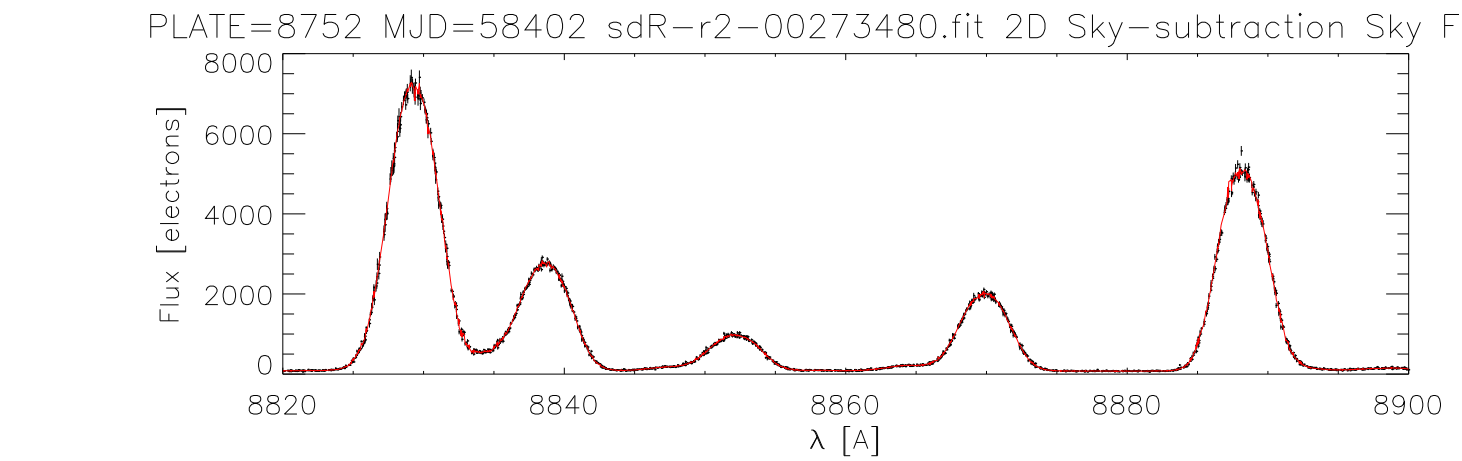

PLATE=8752 MJD=58402 sdR-r2-00273480.fit 1D Sky-subtraction Sky Fibers
Flux [electrons]
8000
6000
4000
2000
0
8820
8840
8860
8880
8900
λ [A]

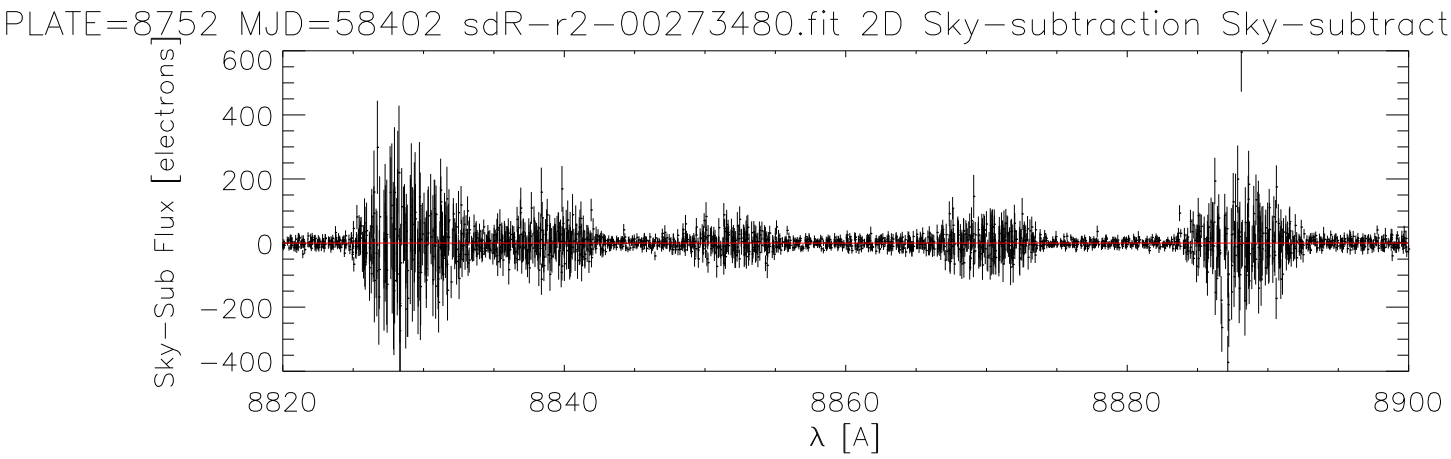

PLATE=8752 MJD=58402 sdR-r2-00273480.fit 1D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
600
400
200
0
-200
-400
8820
8840
8860
8880
8900
λ [A]

Number of sky fibers = 38

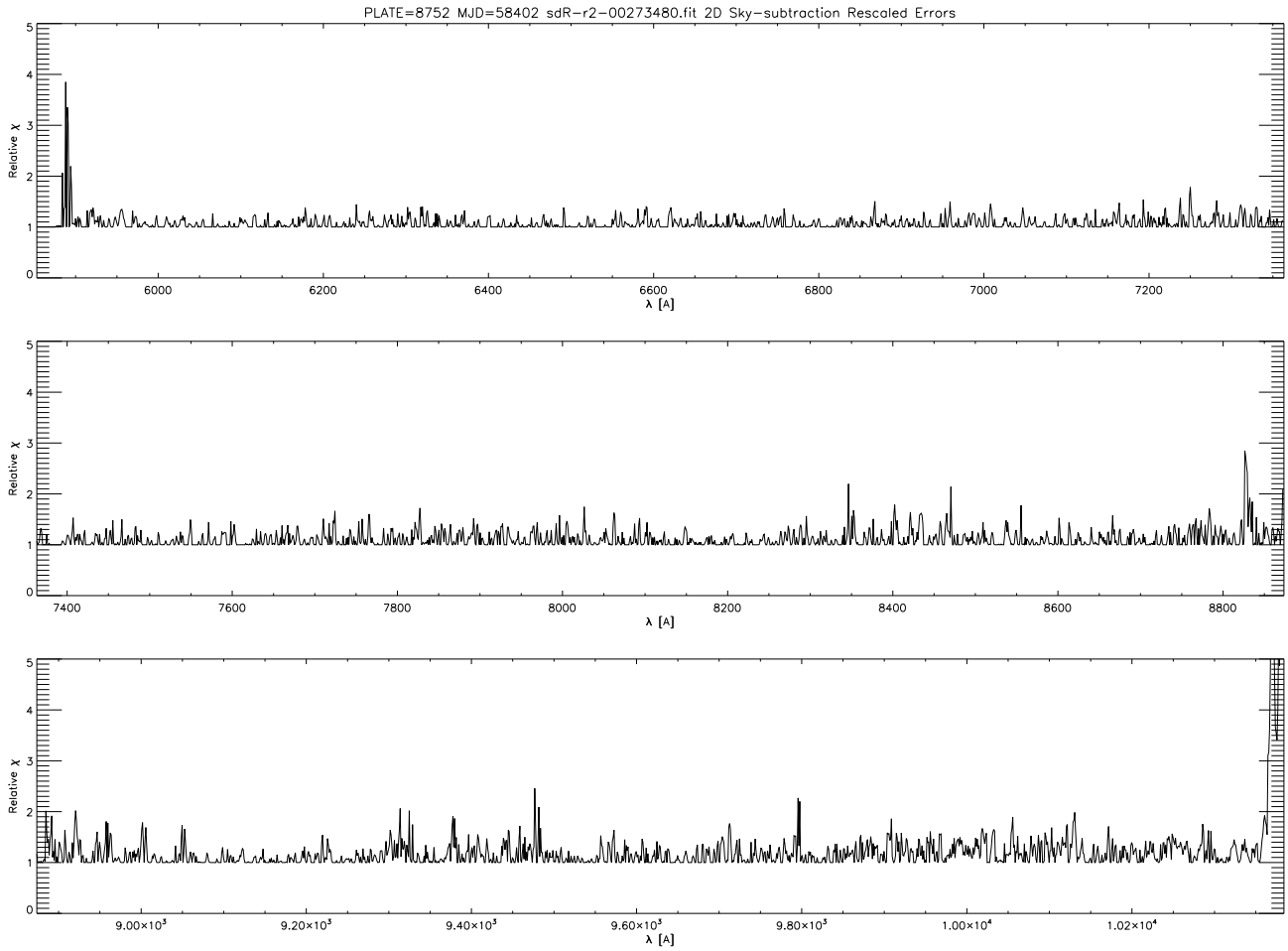


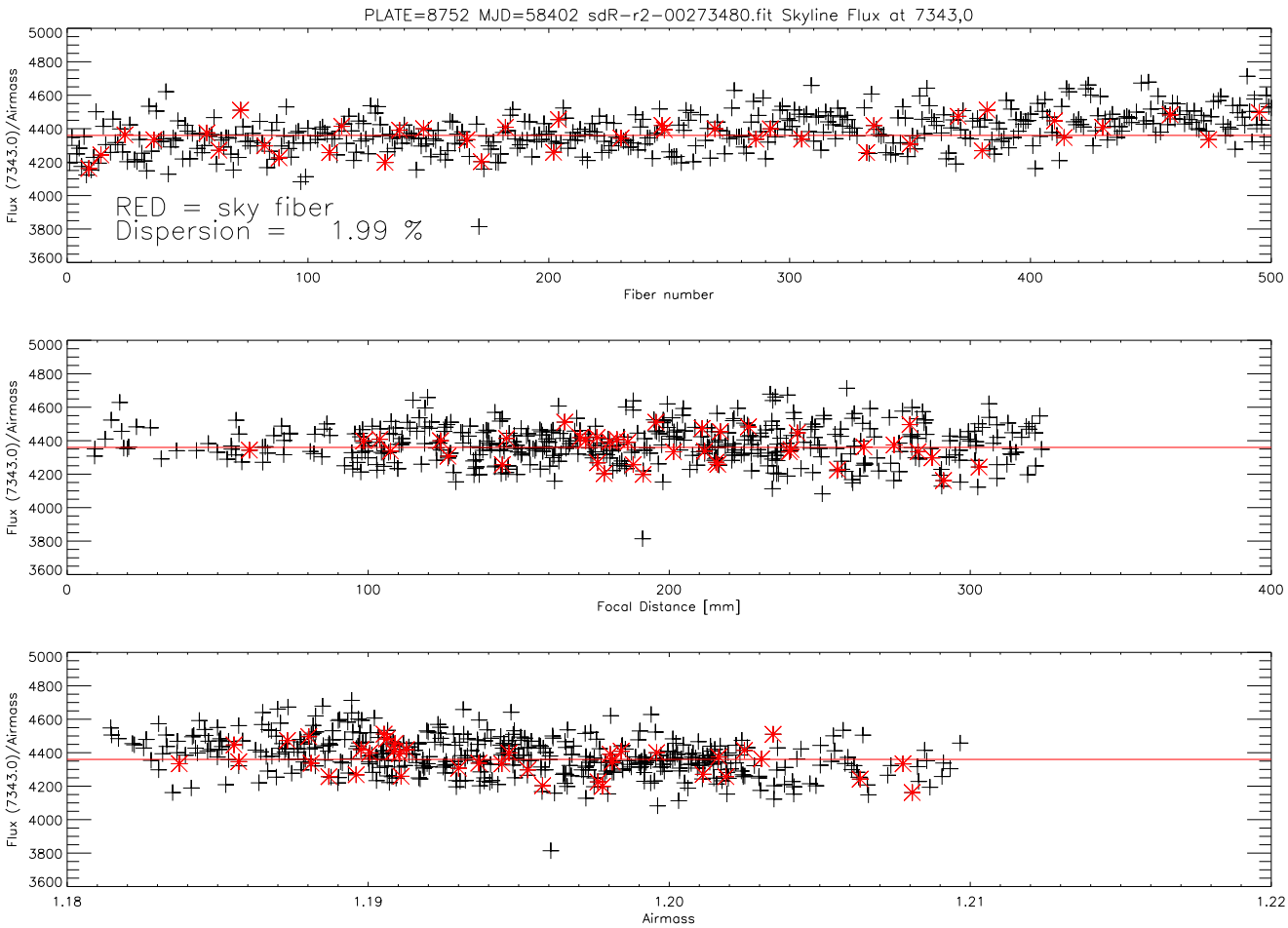

PLATE=8752 MJD=58402 sdR-r2-00273480.fit 2D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

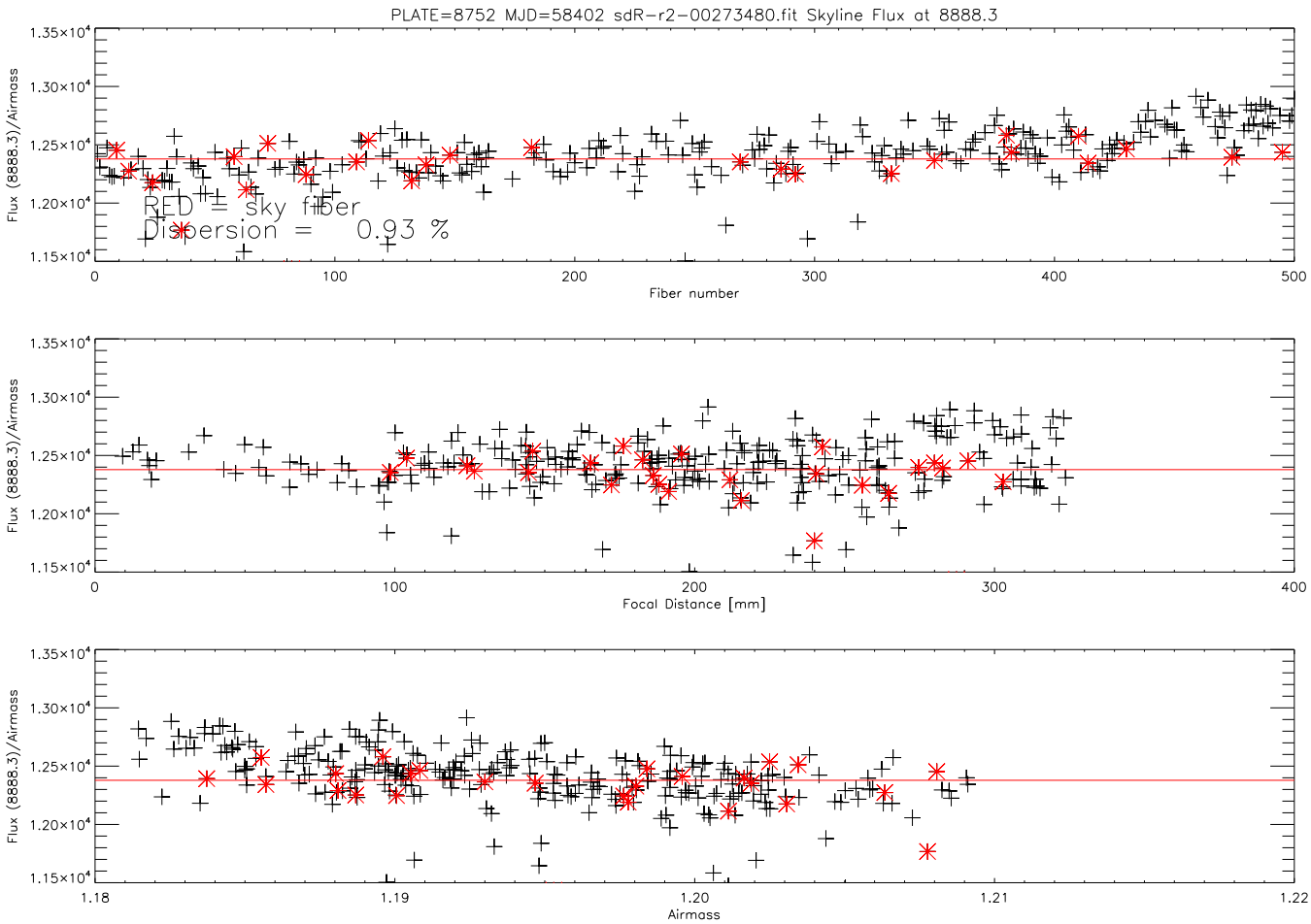

PLATE=8752 MJD=58402 sdR-r2-00273480.fit 2D Sky-subtraction Sky Fibers
Flux [electrons]
8000
6000
4000
2000
0
8820
8840
8860
8880
8900
λ [A]

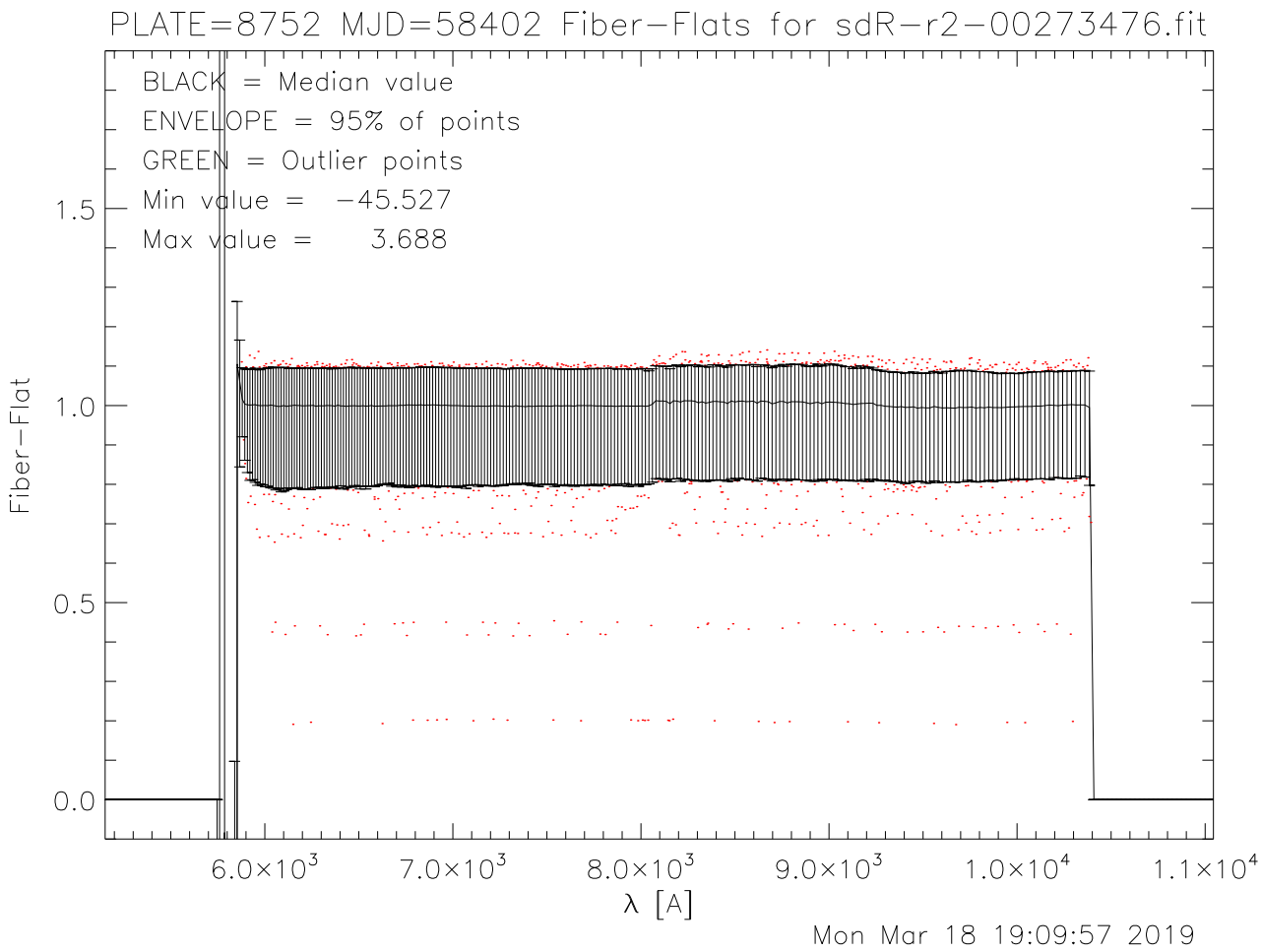

PLATE=8752 MJD=58402 sdR-r2-00273480.fit 2D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
600
400
200
0
-200
-400
8820
8840
8860
8880
8900
λ [A]

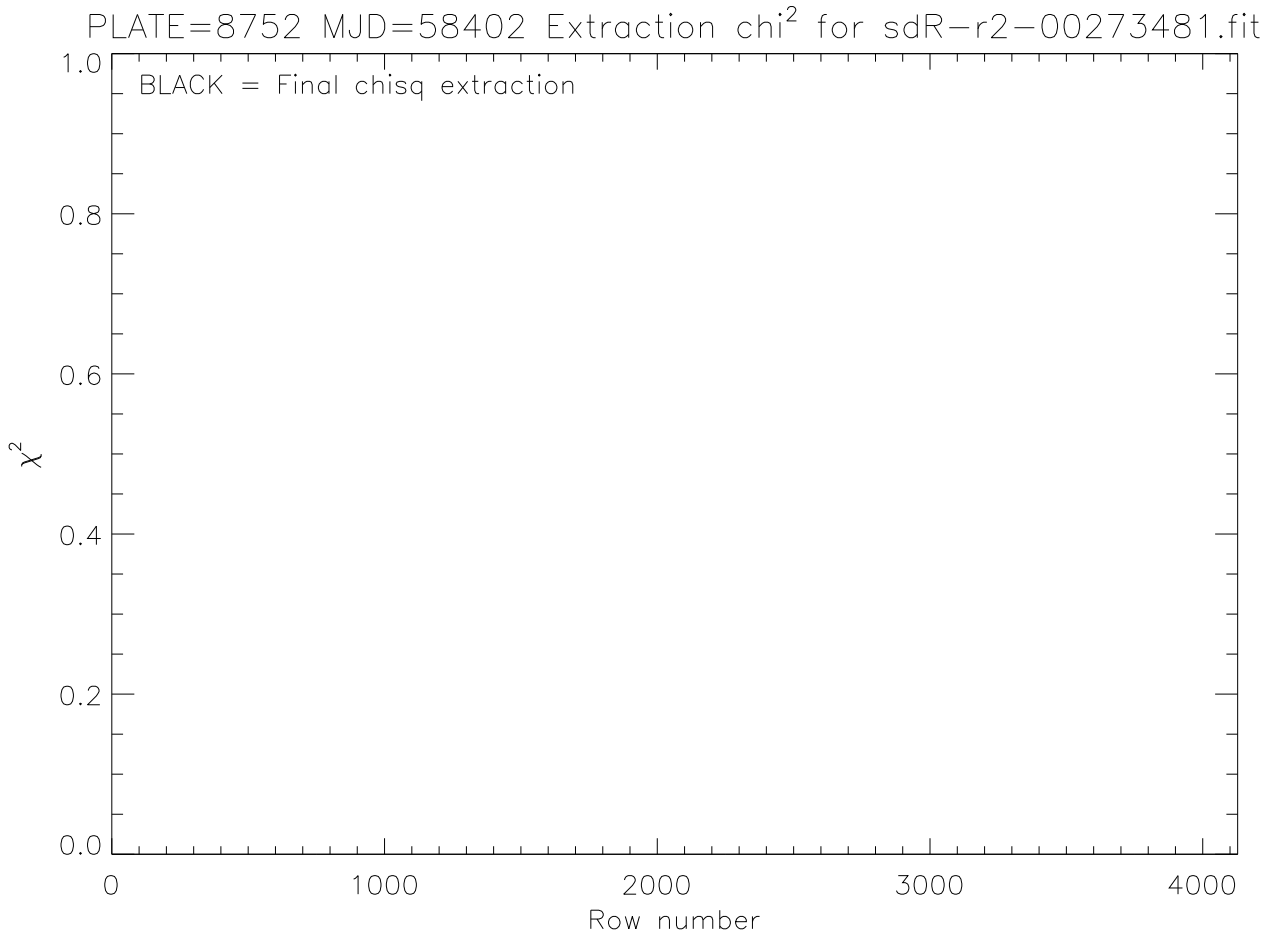
Number of sky fibers = 38

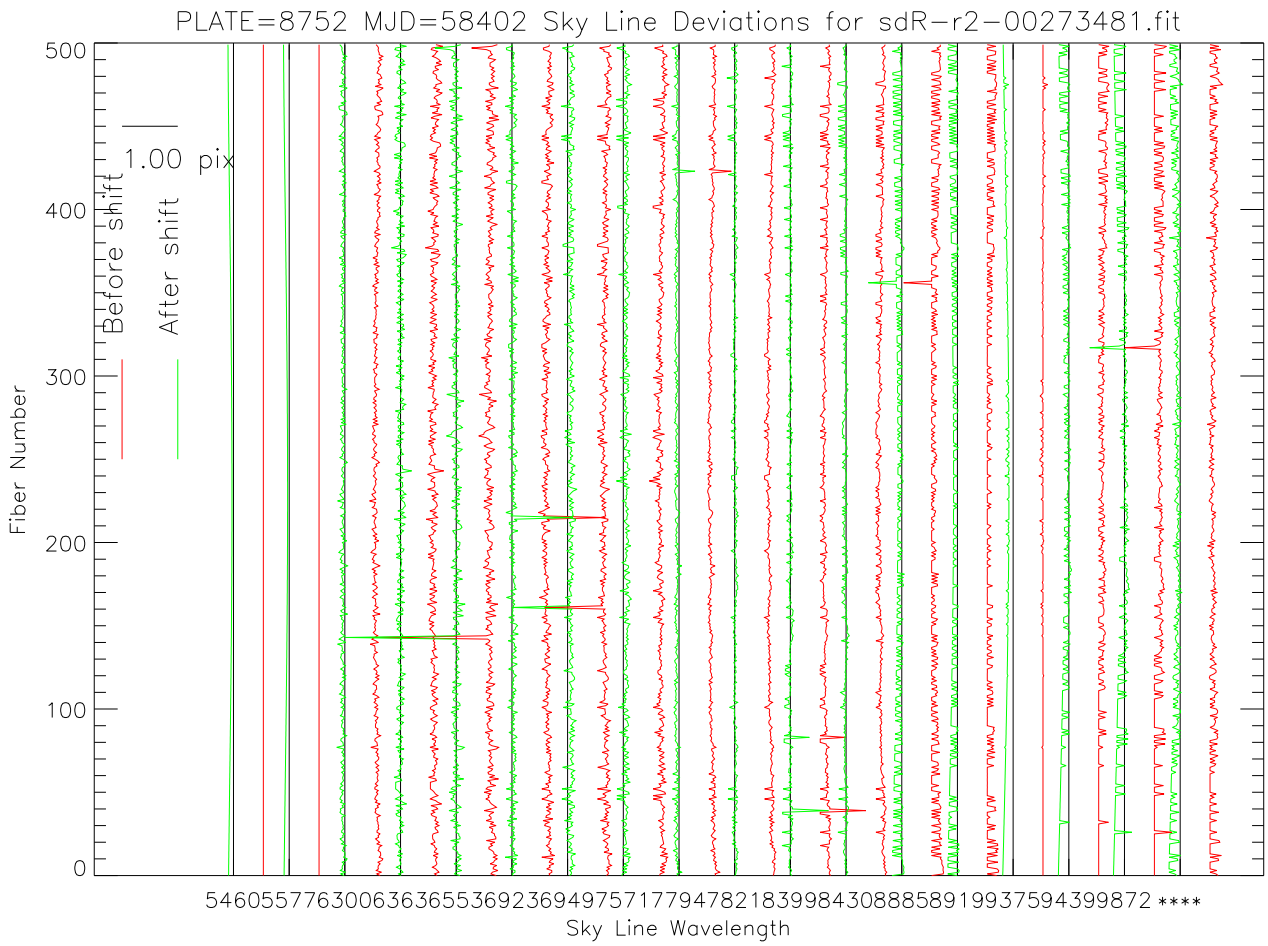


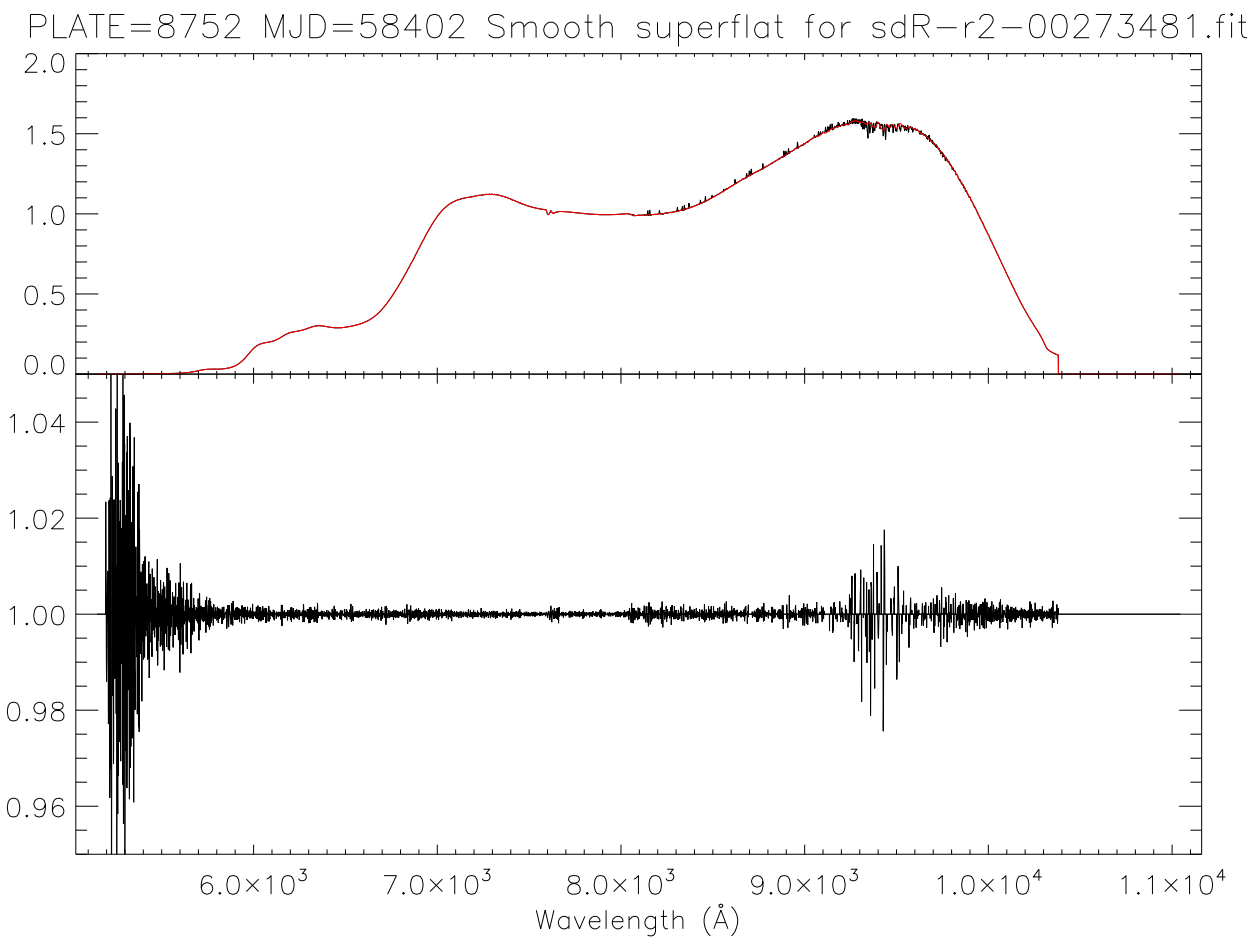

PLATE=8752 MJD=58402 sdR-r2-00273480.fit Skyline Flux at 7343,0
Flux (7343.0)/Airmass
RED = sky fiber
Dispersion = 1.99 %
Fiber number
Focal Distance [mm]
Airmass

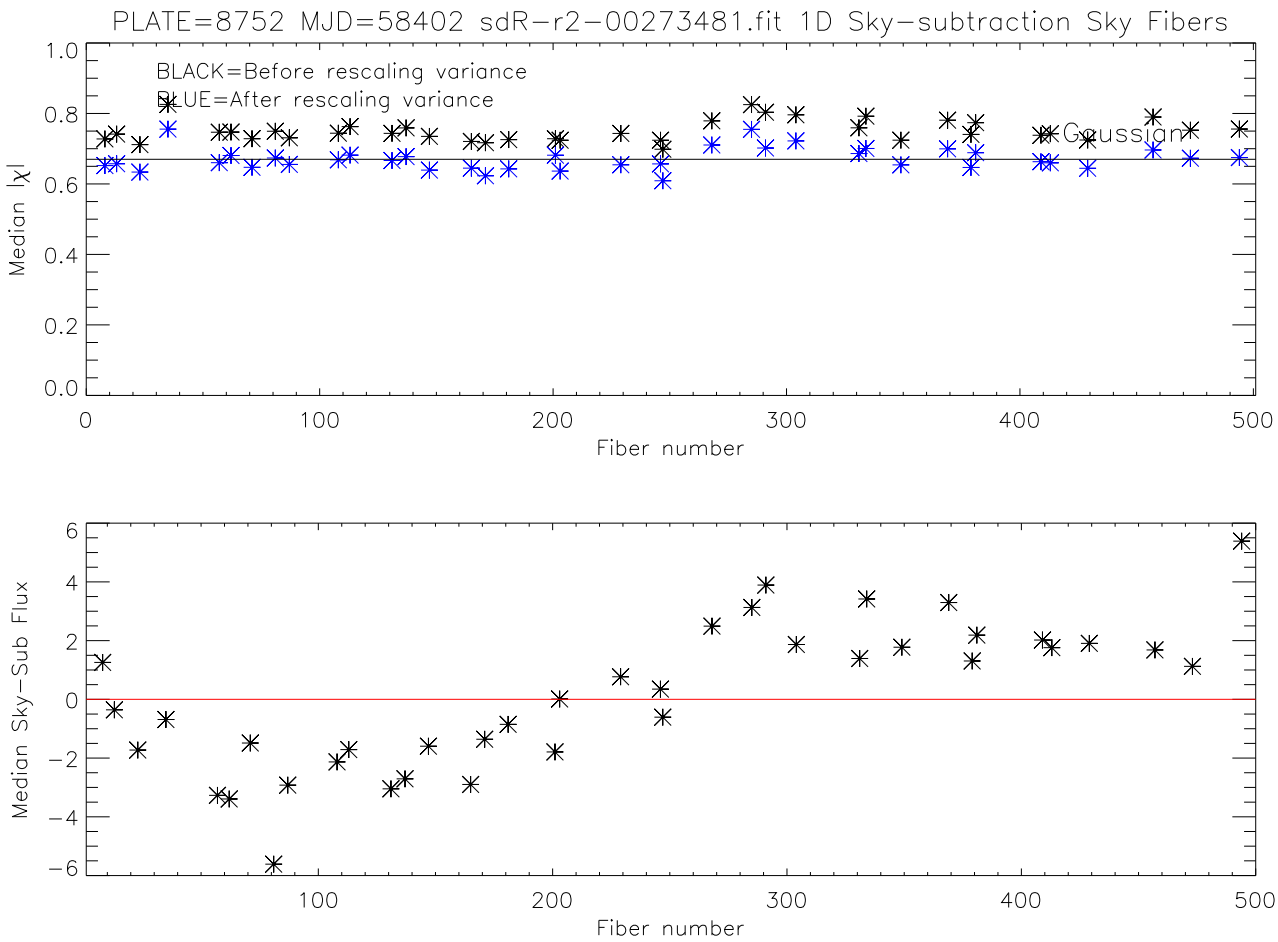

PLATE=8752 MJD=58402 sdR-r2-00273480.fit Skyline Flux at 8888.3
Flux (8888.3)/Airmass
1.35×10⁴
1.30×10⁴
1.25×10⁴
1.20×10⁴
1.15×10⁴
RED = sky fiber
Dispersion = 0.93 %
0
100
200
300
400
500
Fiber number
Flux (8888.3)/Airmass
Focal Distance [mm]
Flux (8888.3)/Airmass
1.18
1.19
1.20
1.21
1.22
Airmass

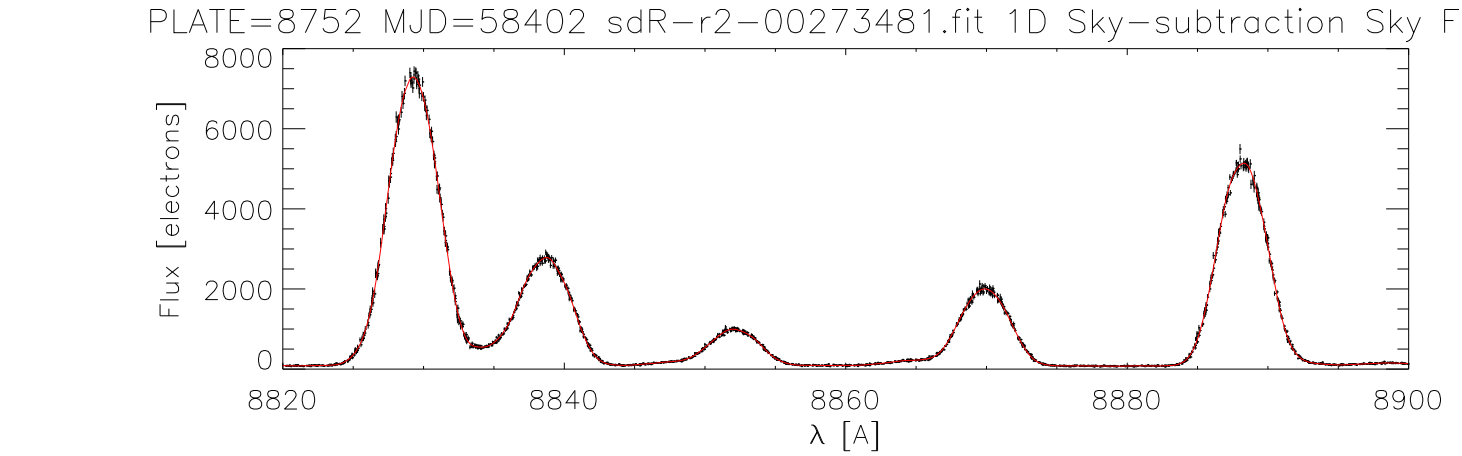

PLATE=8752 MJD=58402 Fiber−Flats for sdR−r2−00273476.fit
BLACK = Median value
ENVELOPE = 95% of points
GREEN = Outlier points
Min value = −45.527
Max value = 3.688
Fiber−Flat
1.5
1.0
0.5
0.0
6.0×10^3
7.0×10^3
8.0×10^3
9.0×10^3
1.0×10^4
1.1×10^4
λ [A]
Mon Mar 18 19:09:57 2019

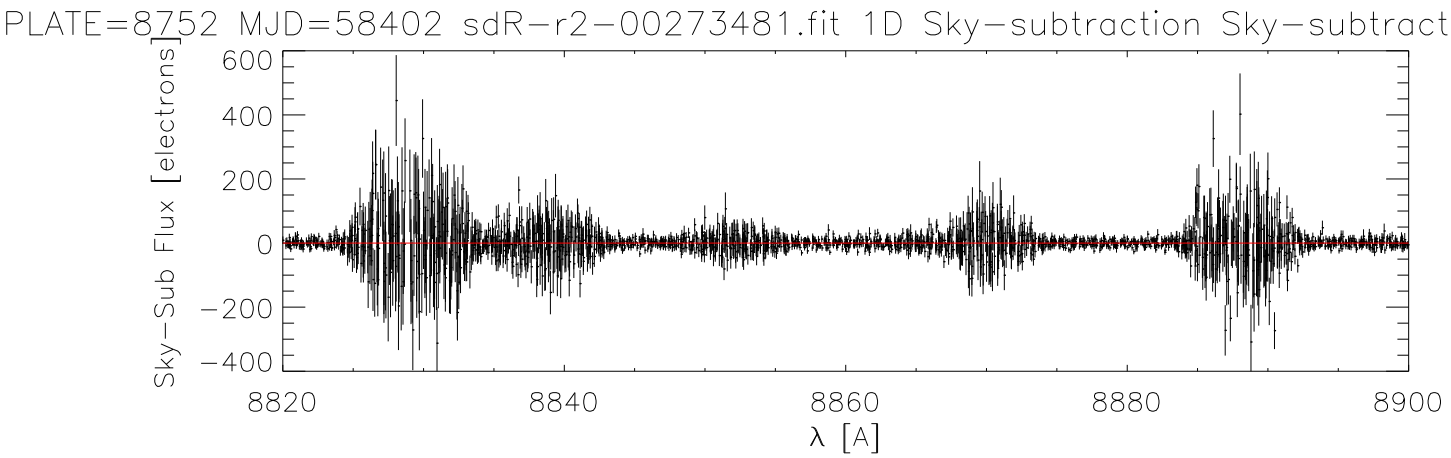

PLATE=8752 MJD=58402 Extraction chi^2 for sdR-r2-00273481.fit
BLACK = Final chisq extraction
χ^2
1.0
0.8
0.6
0.4
0.2
0.0
0
1000
2000
3000
4000
Row number


PLATE=8752 MJD=58402 Sky Line Deviations for sdR-r2-00273481.fit
Before shift
After shift
1.00 pix
Fiber Number
0
100
200
300
400
500
5460557763006363655369236949757177947821839984308885891993759439987 2 ****
Sky Line Wavelength

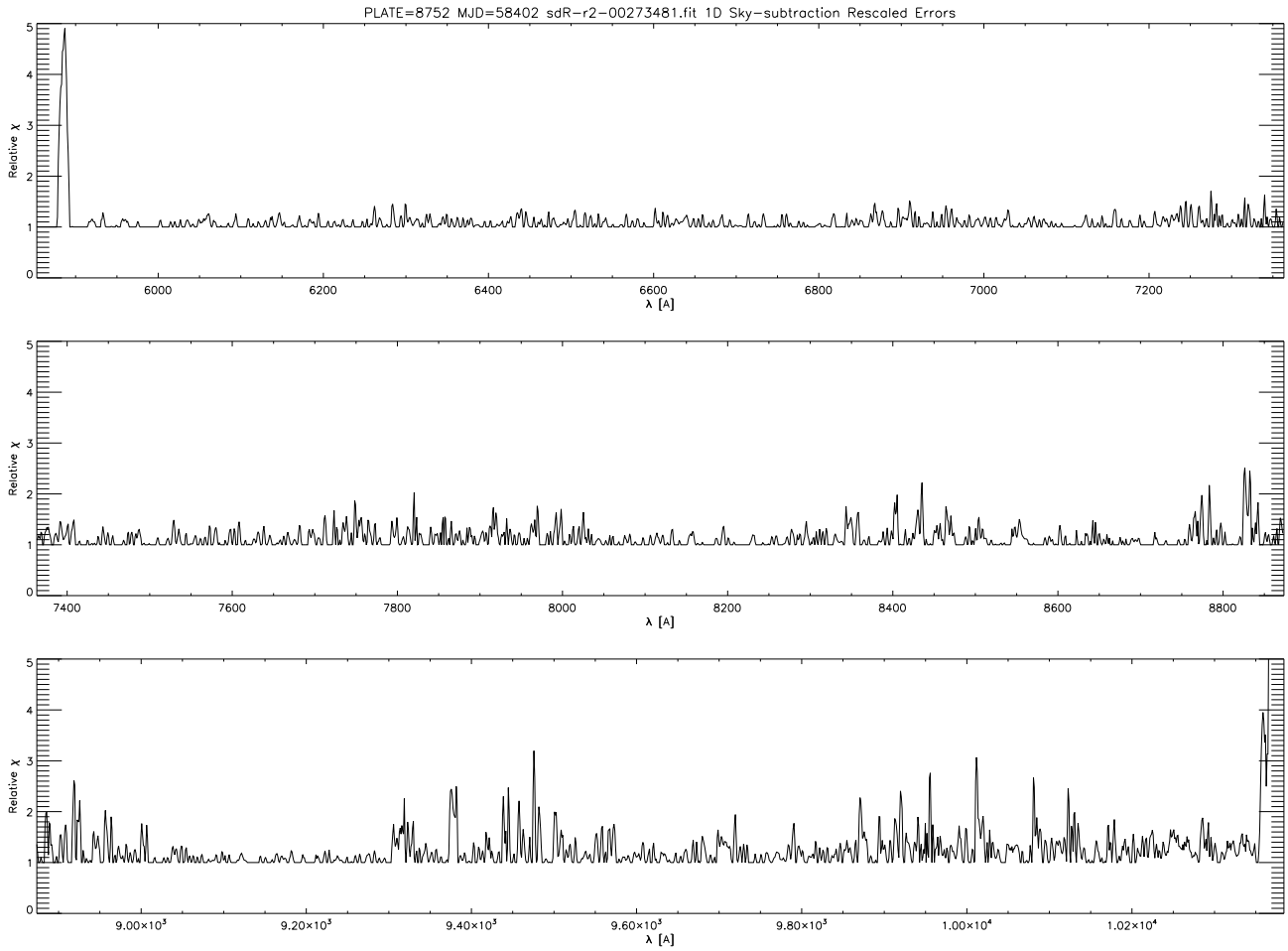

PLATE=8752 MJD=58402 Smooth superflat for sdR-r2-00273481.fit
2.0
1.5
1.0
0.5
0.0
1.04
1.02
1.00
0.98
0.96
6.0×10^3
7.0×10^3
8.0×10^3
9.0×10^3
1.0×10^4
1.1×10^4
Wavelength (Å)

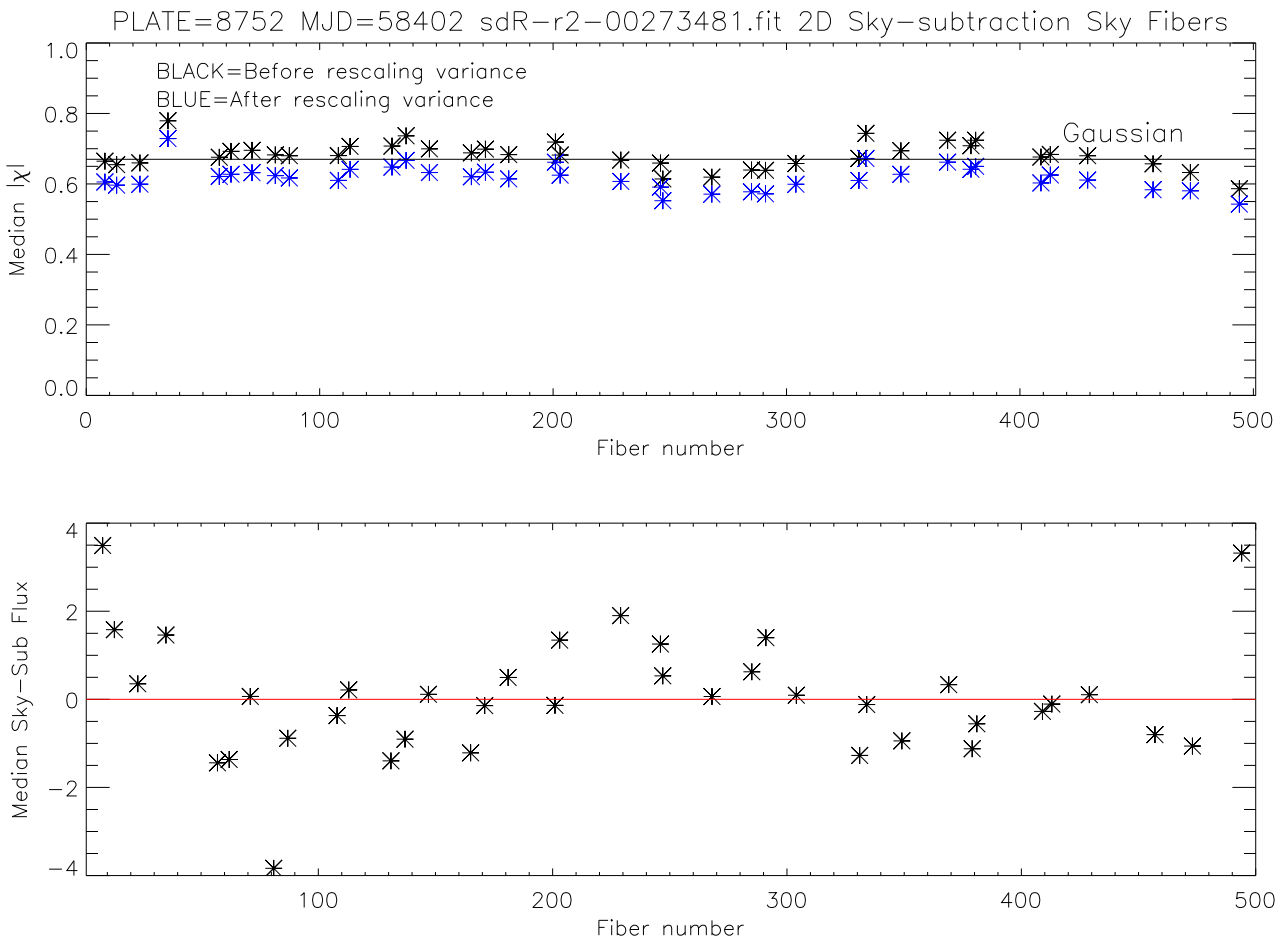

PLATE=8752 MJD=58402 sdR-r2-00273481.fit 1D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

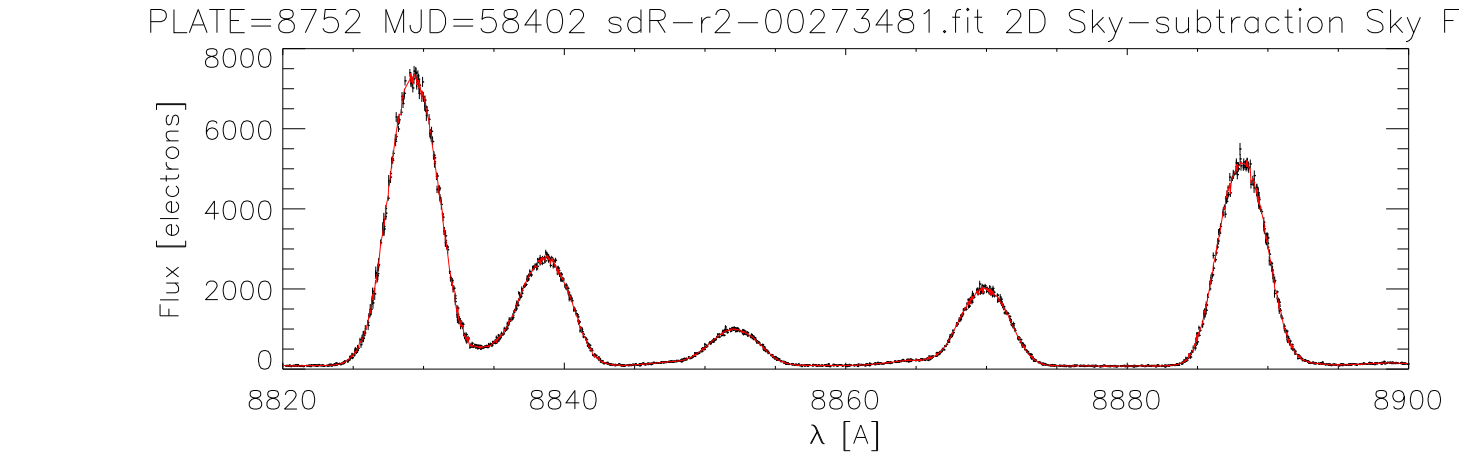

PLATE=8752 MJD=58402 sdR-r2-00273481.fit 1D Sky-subtraction Sky Fibers
Flux [electrons]
8000
6000
4000
2000
0
8820
8840
8860
8880
8900
λ [A]

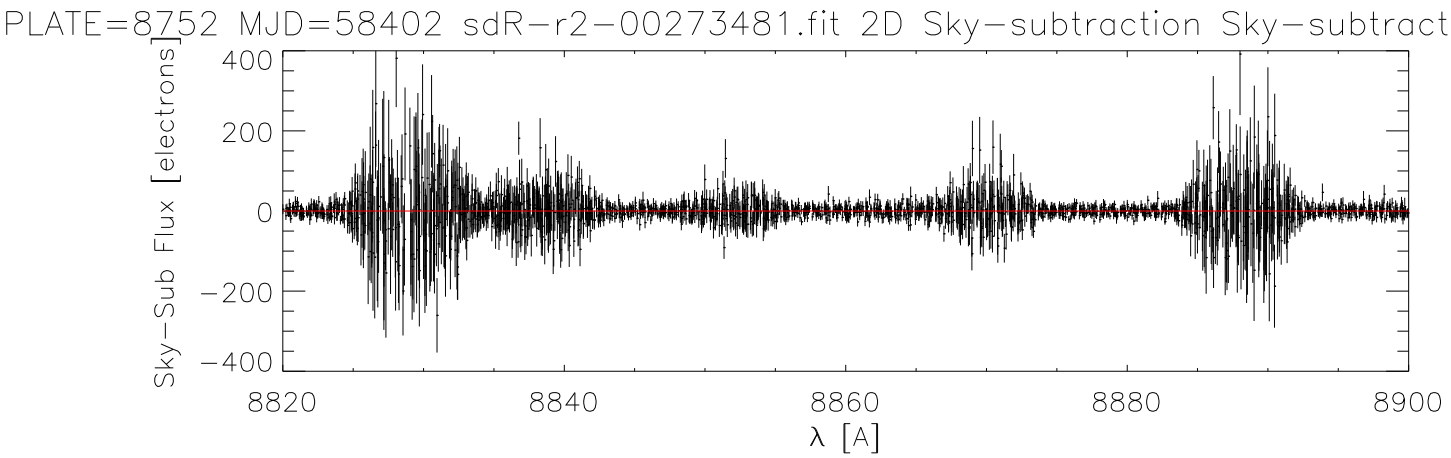

PLATE=8752 MJD=58402 sdR-r2-00273481.fit 1D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
600
400
200
0
-200
-400
8820
8840
8860
8880
8900
λ [A]

Number of sky fibers = 38

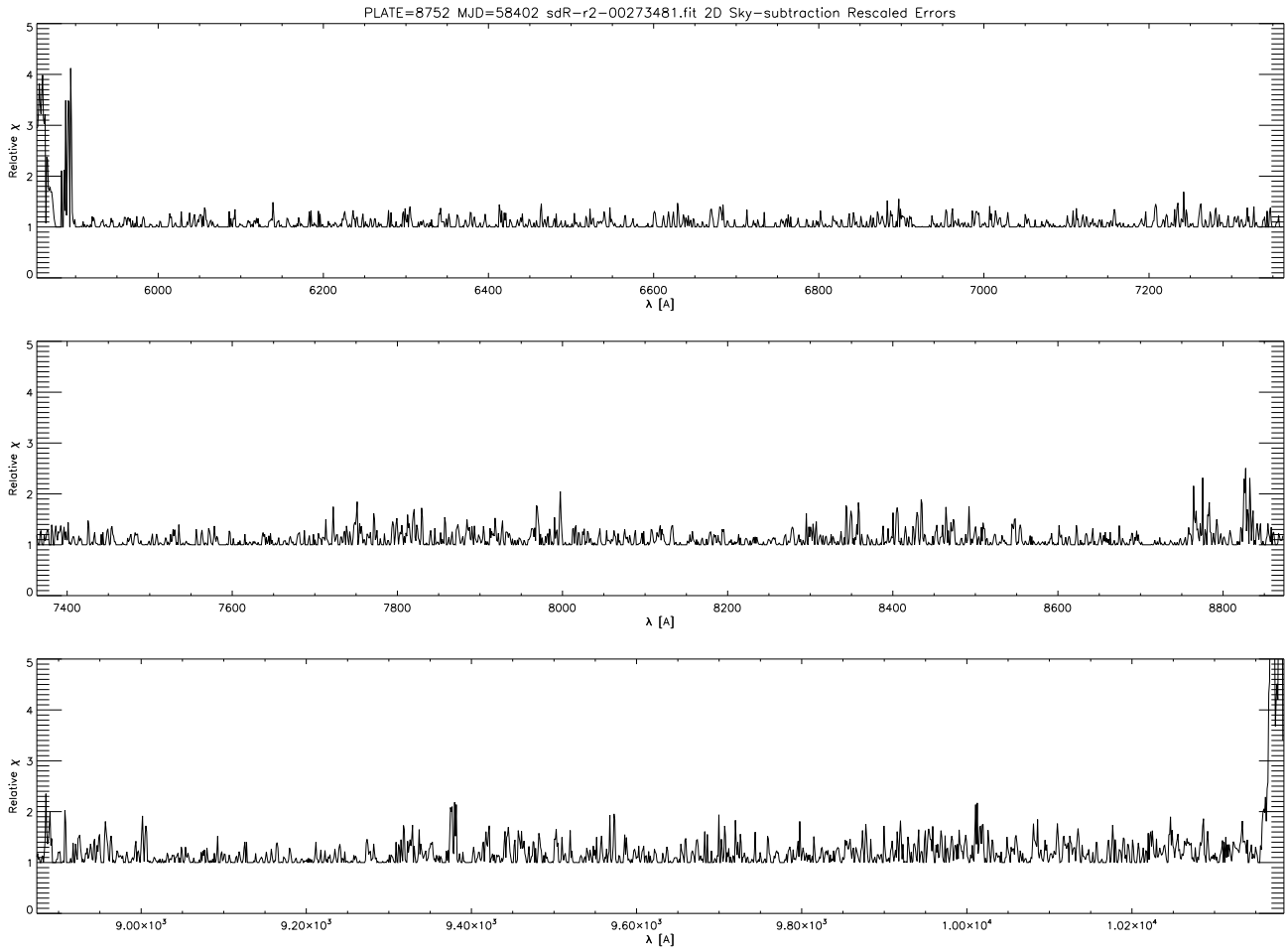


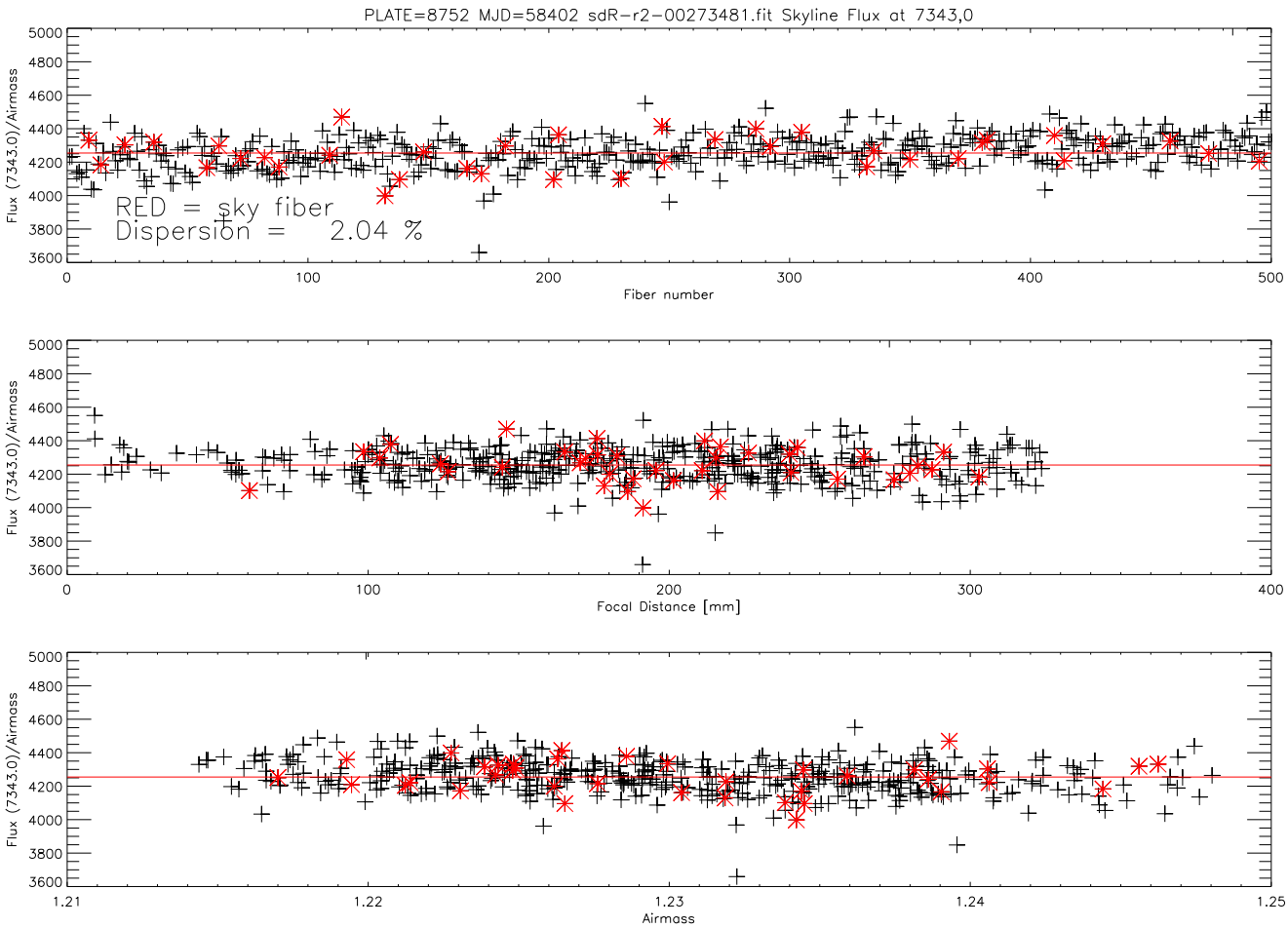

PLATE=8752 MJD=58402 sdR-r2-00273481.fit 2D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

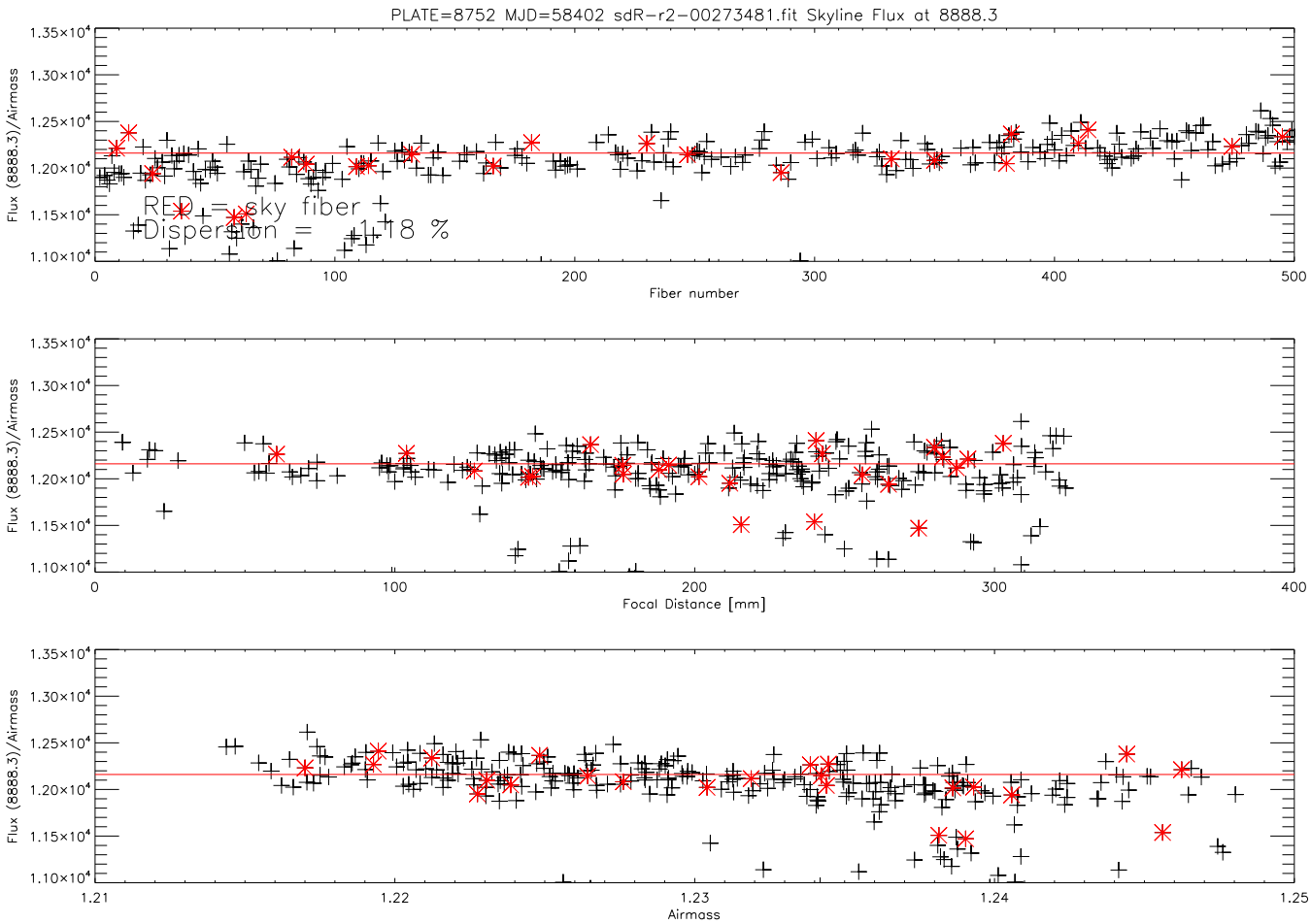

PLATE=8752 MJD=58402 sdR-r2-00273481.fit 2D Sky-subtraction Sky Fibers
Flux [electrons]
8000
6000
4000
2000
0
8820
8840
8860
8880
8900
λ [A]

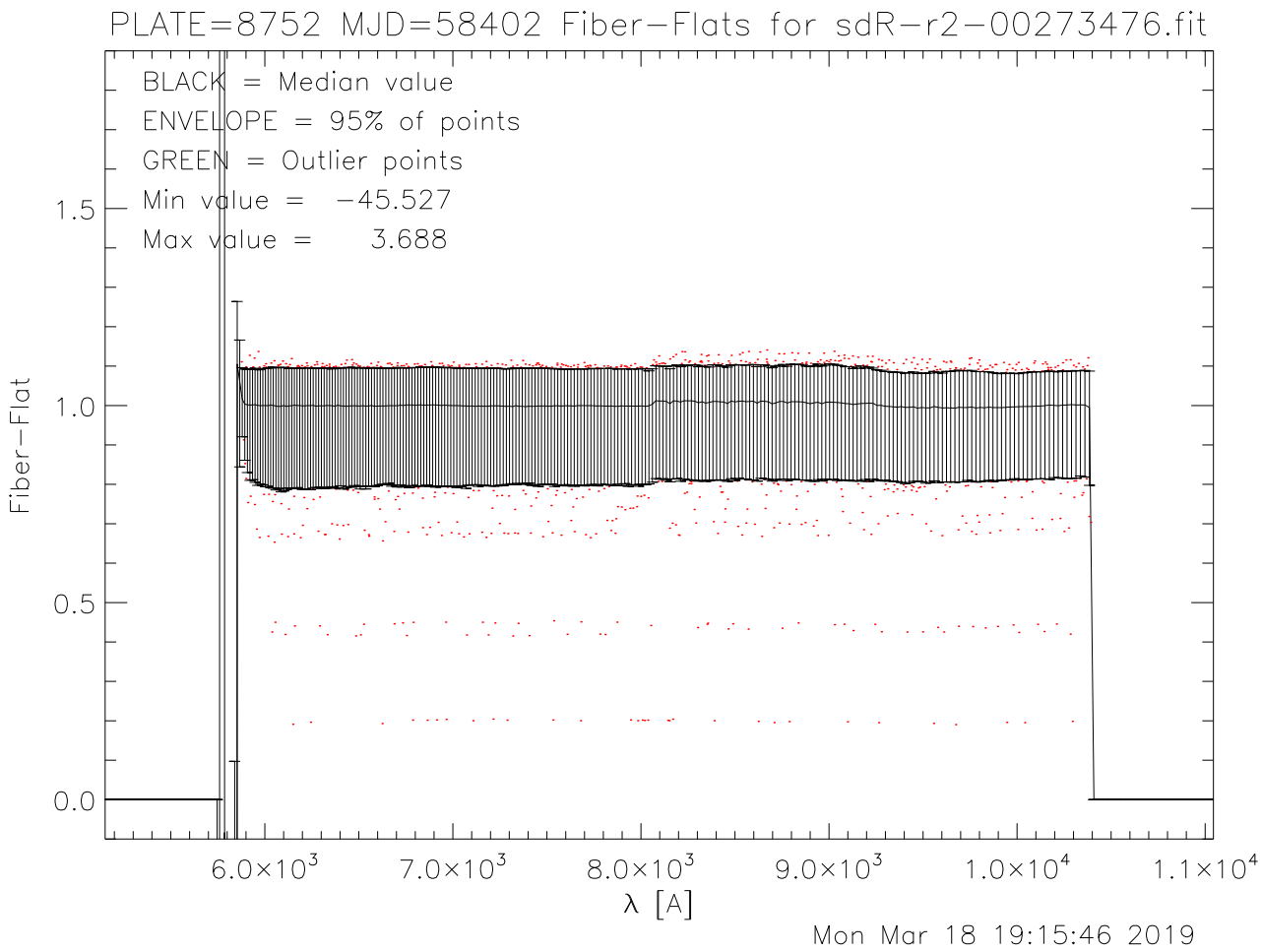

PLATE=8752 MJD=58402 sdR-r2-00273481.fit 2D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
400
200
0
-200
-400
8820
8840
8860
8880
8900
λ [A]

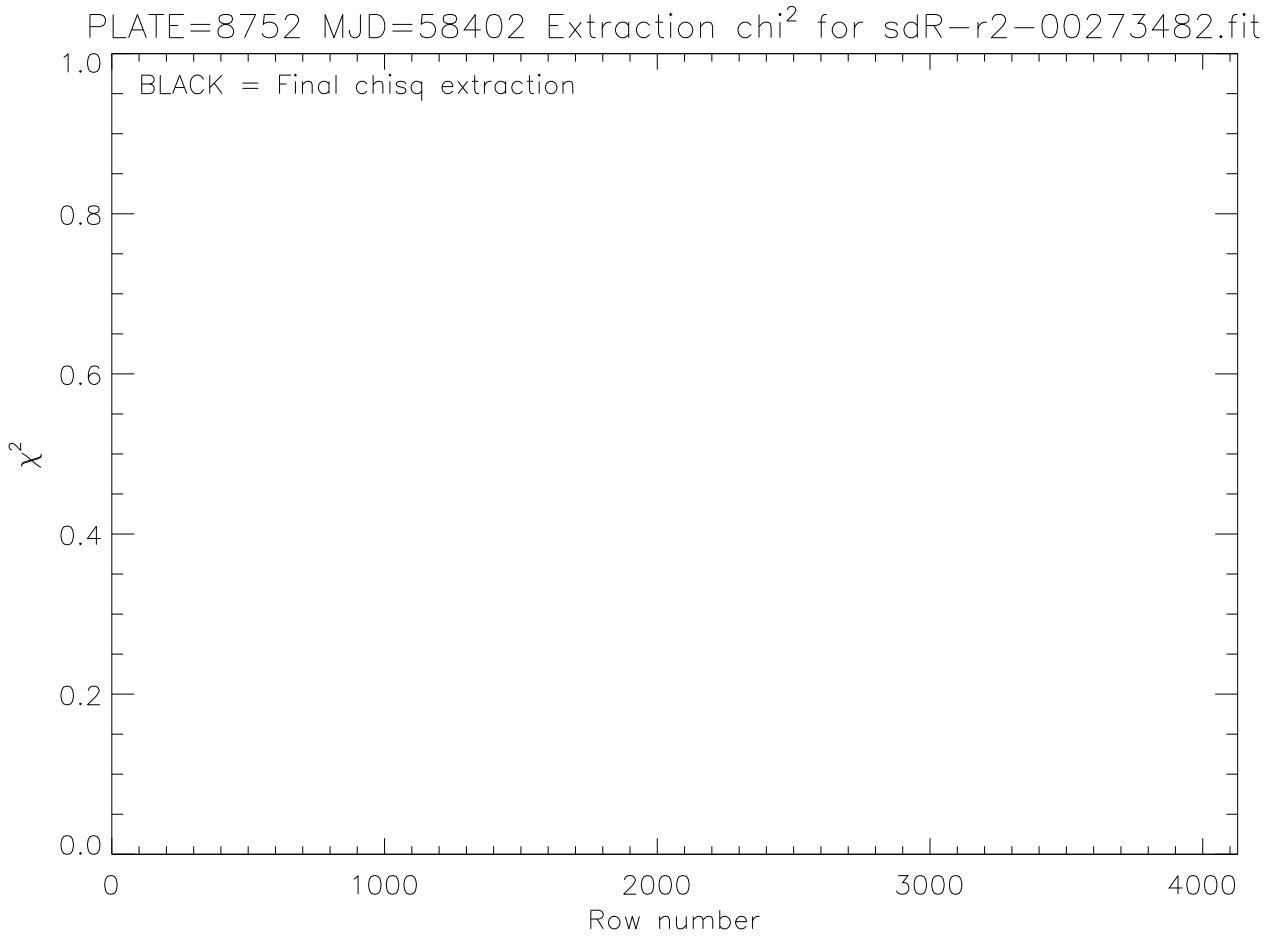
Number of sky fibers = 38

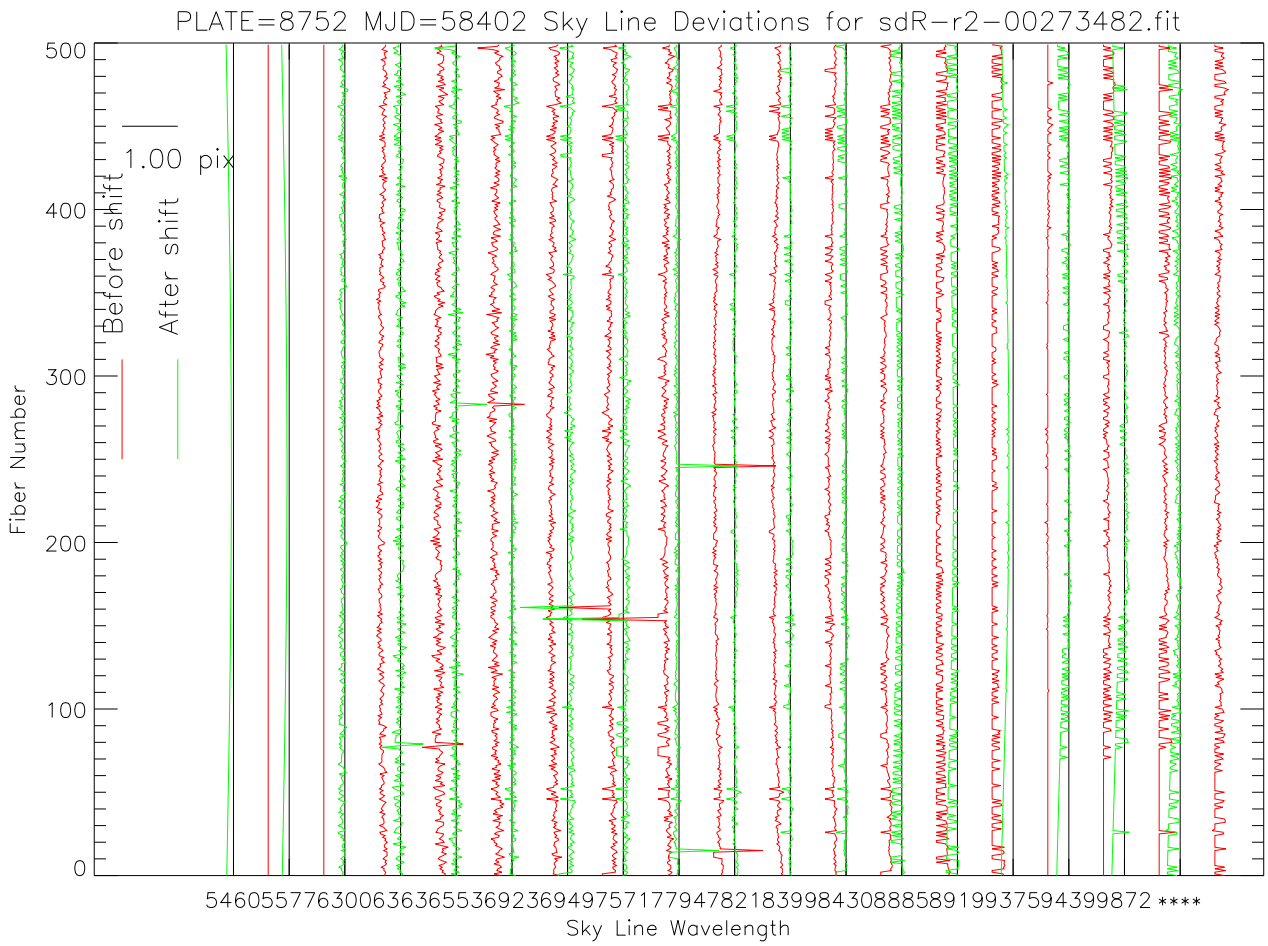


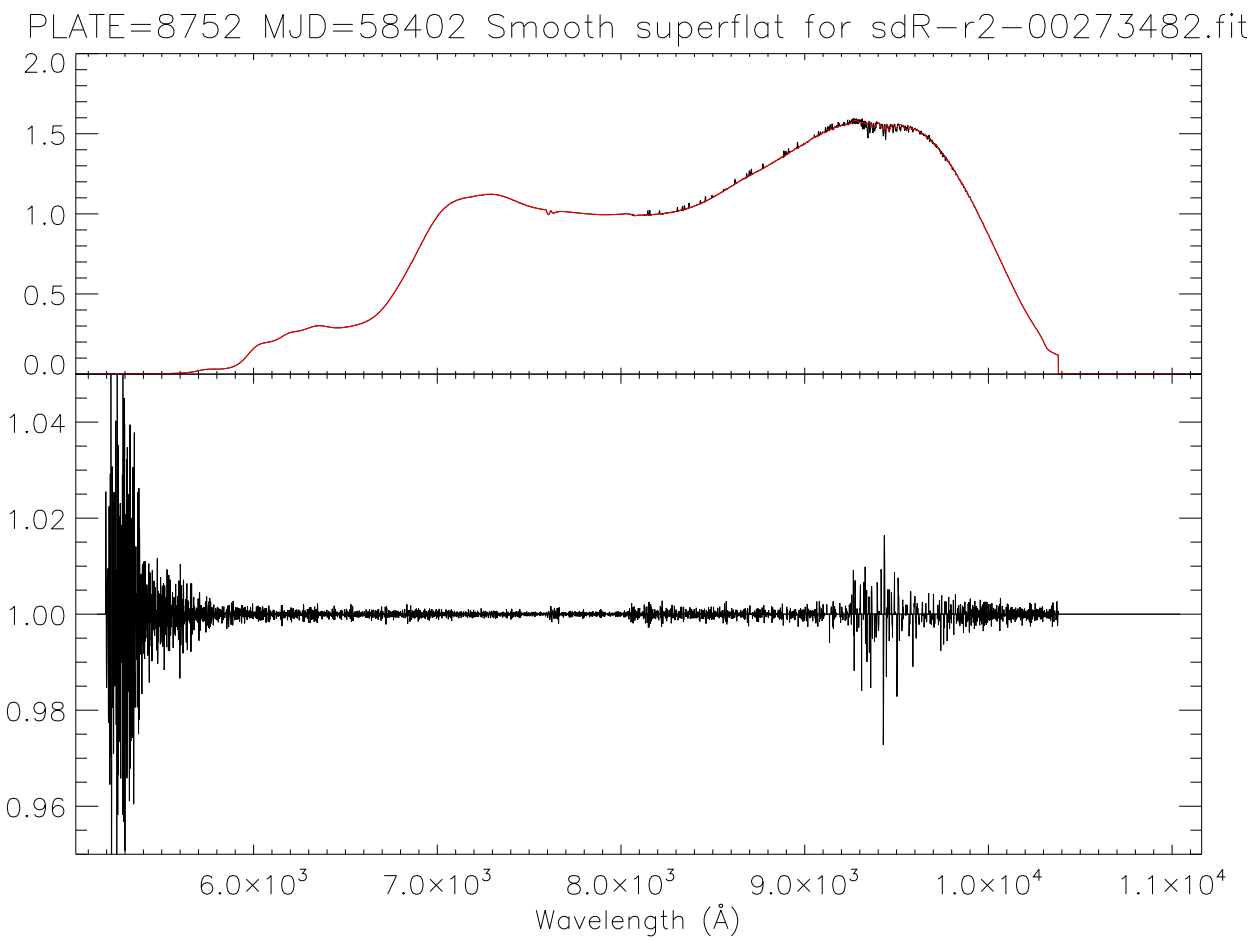

PLATE=8752 MJD=58402 sdR-r2-00273481.fit Skyline Flux at 7343,0
Flux (7343.0)/Airmass
RED = sky fiber
Dispersion = 2.04 %
Fiber number
Focal Distance [mm]
Airmass

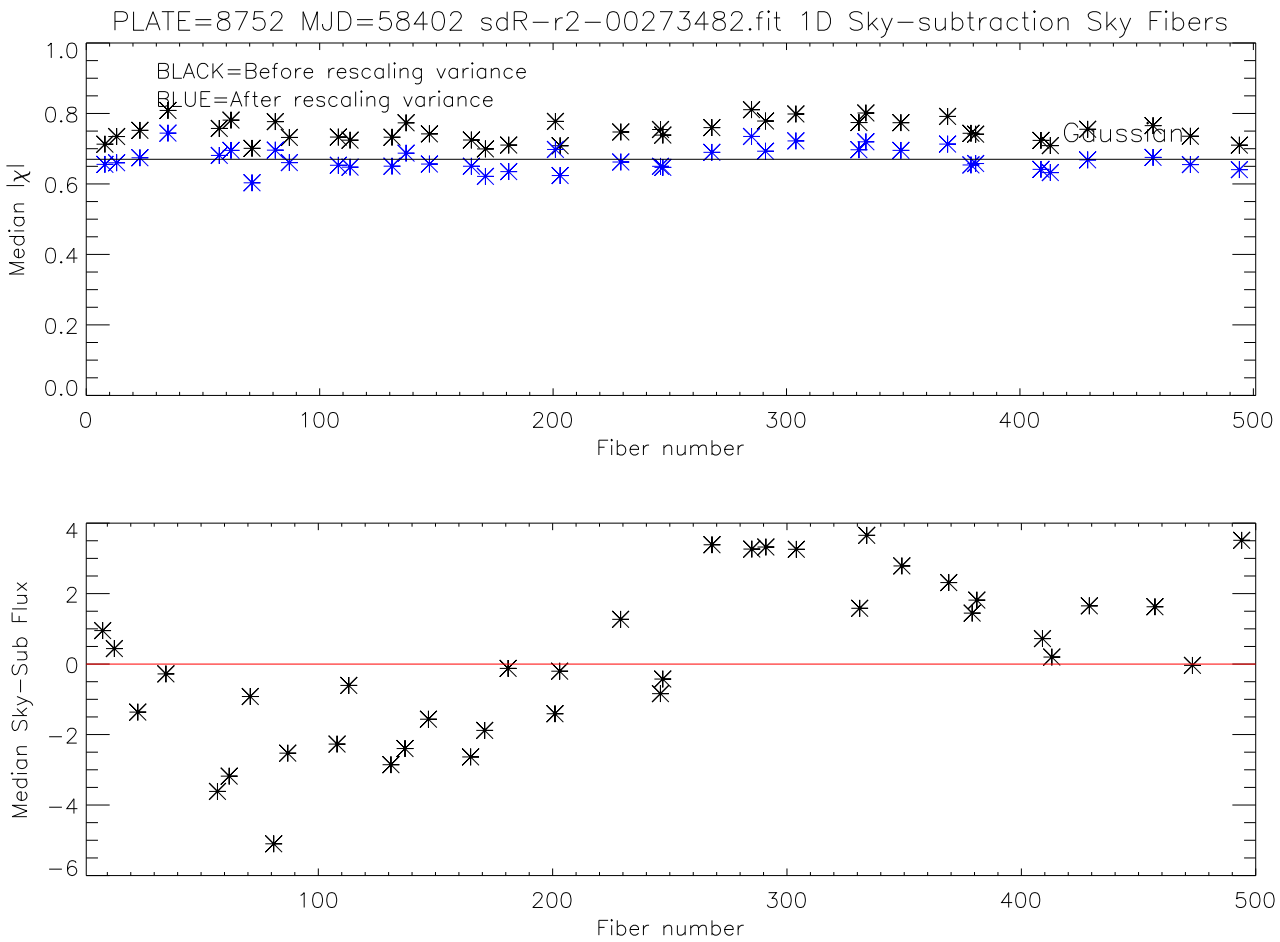

PLATE=8752 MJD=58402 sdR-r2-00273481.fit Skyline Flux at 8888.3
Flux (8888.3)/Airmass
Fiber number
RED = sky fiber
Dispersion = 1.18 %
Flux (8888.3)/Airmass
Focal Distance [mm]
Flux (8888.3)/Airmass
Airmass

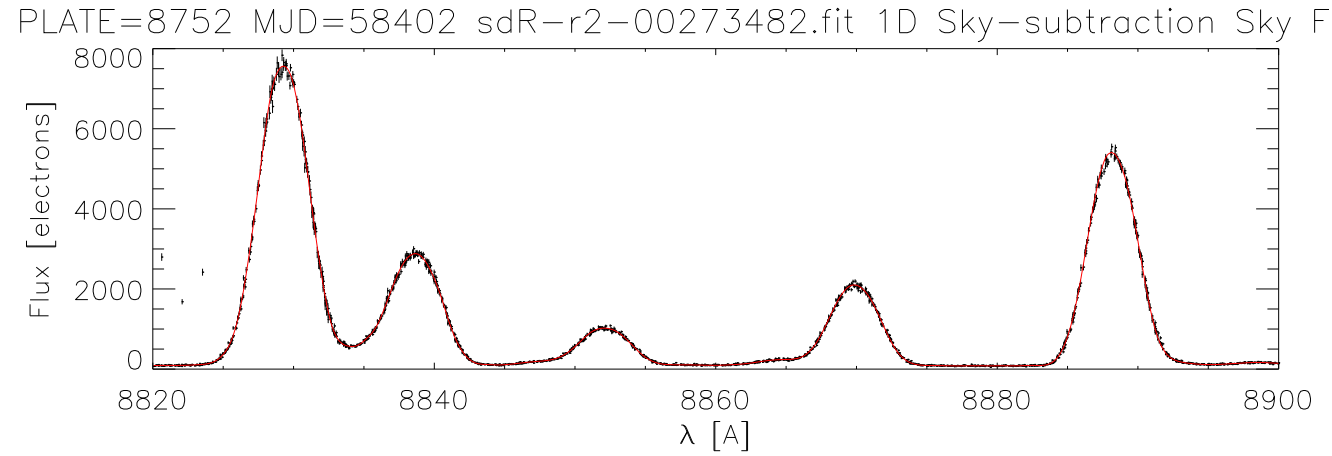

PLATE=8752 MJD=58402 Fiber−Flats for sdR−r2−00273476.fit
BLACK = Median value
ENVELOPE = 95% of points
GREEN = Outlier points
Min value = −45.527
Max value = 3.688
Fiber−Flat
1.5
1.0
0.5
0.0
6.0×10^3
7.0×10^3
8.0×10^3
9.0×10^3
1.0×10^4
1.1×10^4
λ [A]
Mon Mar 18 19:15:46 2019

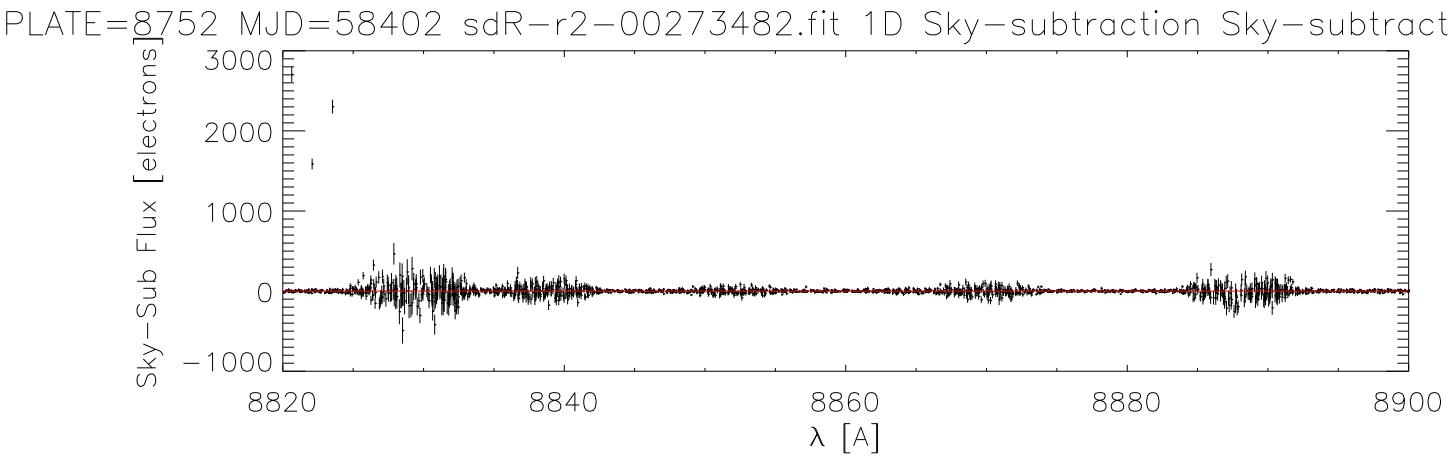

PLATE=8752 MJD=58402 Extraction chi^2 for sdR-r2-00273482.fit
BLACK = Final chisq extraction
χ^2
1.0
0.8
0.6
0.4
0.2
0.0
0
1000
2000
3000
4000
Row number


PLATE=8752 MJD=58402 Sky Line Deviations for sdR-r2-00273482.fit
500
400
300
200
100
0
Fiber Number
1.00 pix
Before shift
After shift
5460557763006363655369236949757177947821839984308885891993759439987 2 ****
Sky Line Wavelength

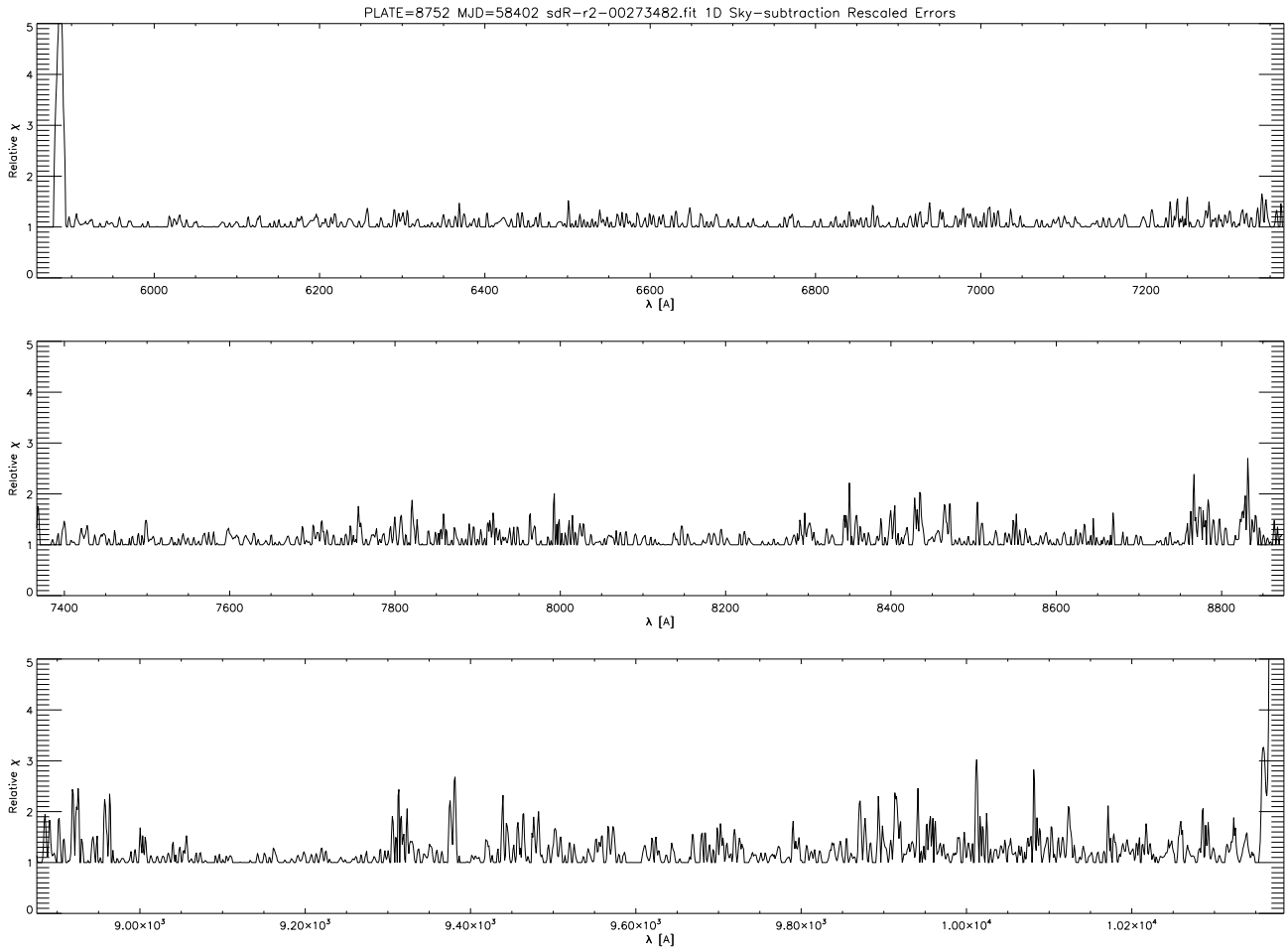

PLATE=8752 MJD=58402 Smooth superflat for sdR-r2-00273482.fit
2.0
1.5
1.0
0.5
0.0
1.04
1.02
1.00
0.98
0.96
6.0×10^3
7.0×10^3
8.0×10^3
9.0×10^3
1.0×10^4
1.1×10^4
Wavelength (Å)

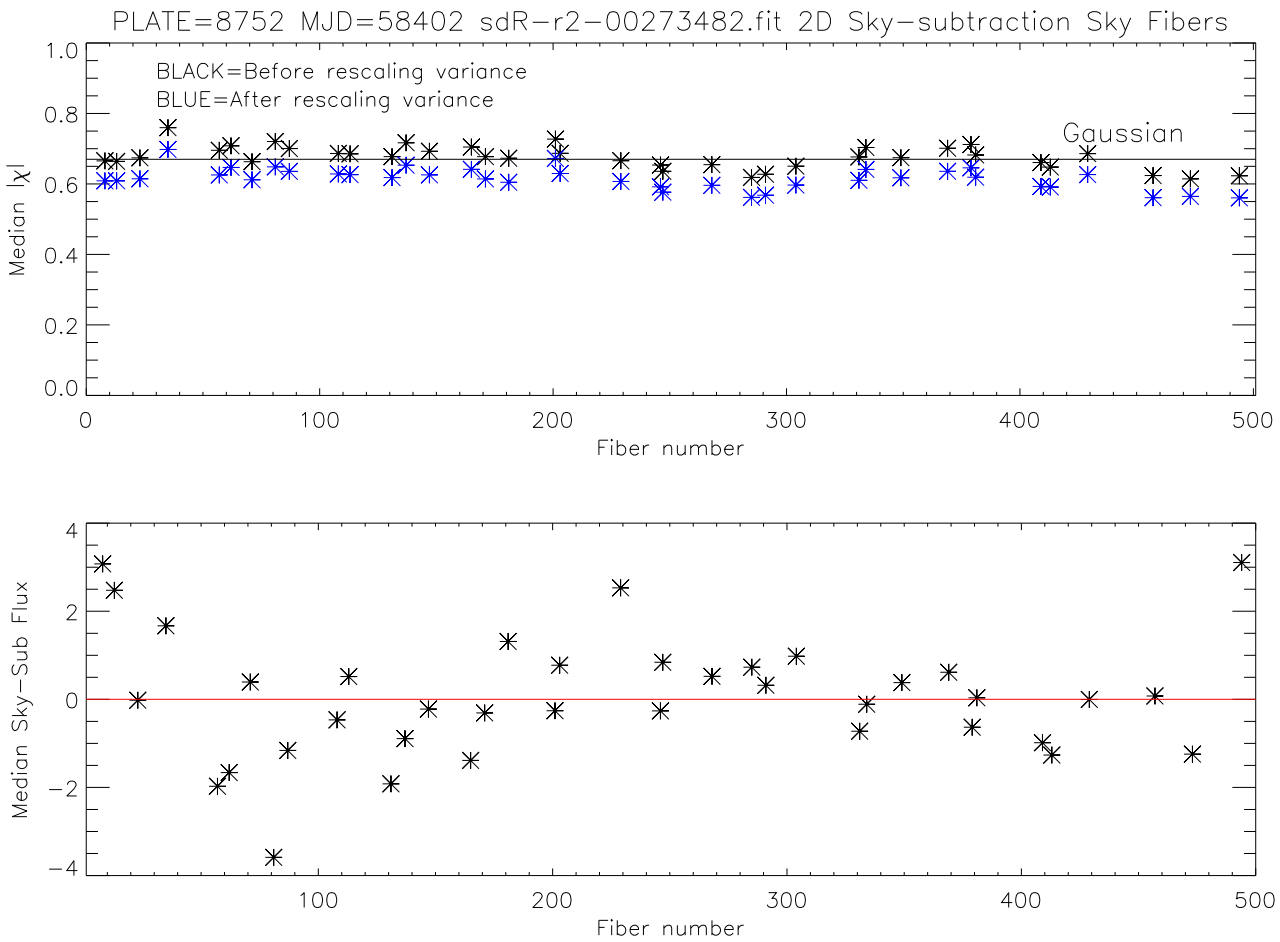

PLATE=8752 MJD=58402 sdR-r2-00273482.fit 1D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

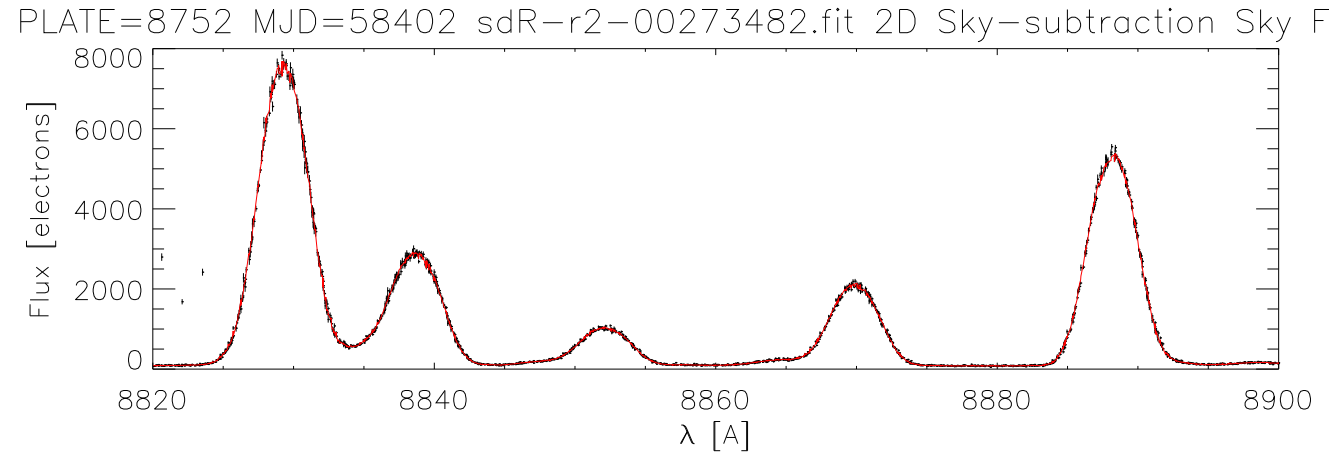

PLATE=8752 MJD=58402 sdR-r2-00273482.fit 1D Sky-subtraction Sky Fibers
Flux [electrons]
8000
6000
4000
2000
0
8820
8840
8860
8880
8900
λ [A]

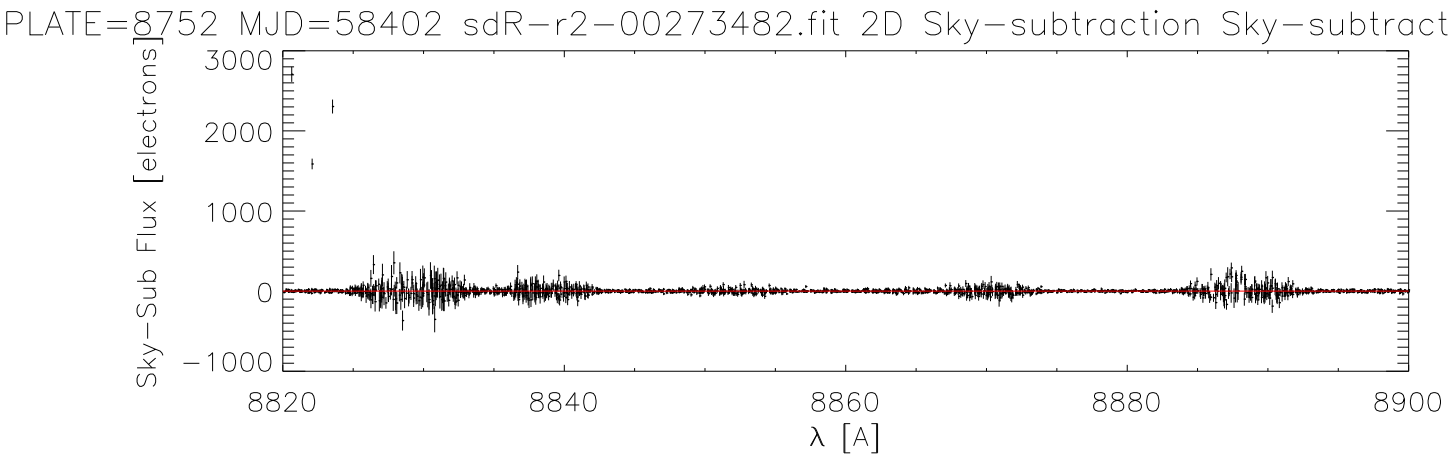

PLATE=8752 MJD=58402 sdR-r2-00273482.fit 1D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
3000
2000
1000
0
-1000
8820
8840
8860
8880
8900
λ [A]

Number of sky fibers = 38

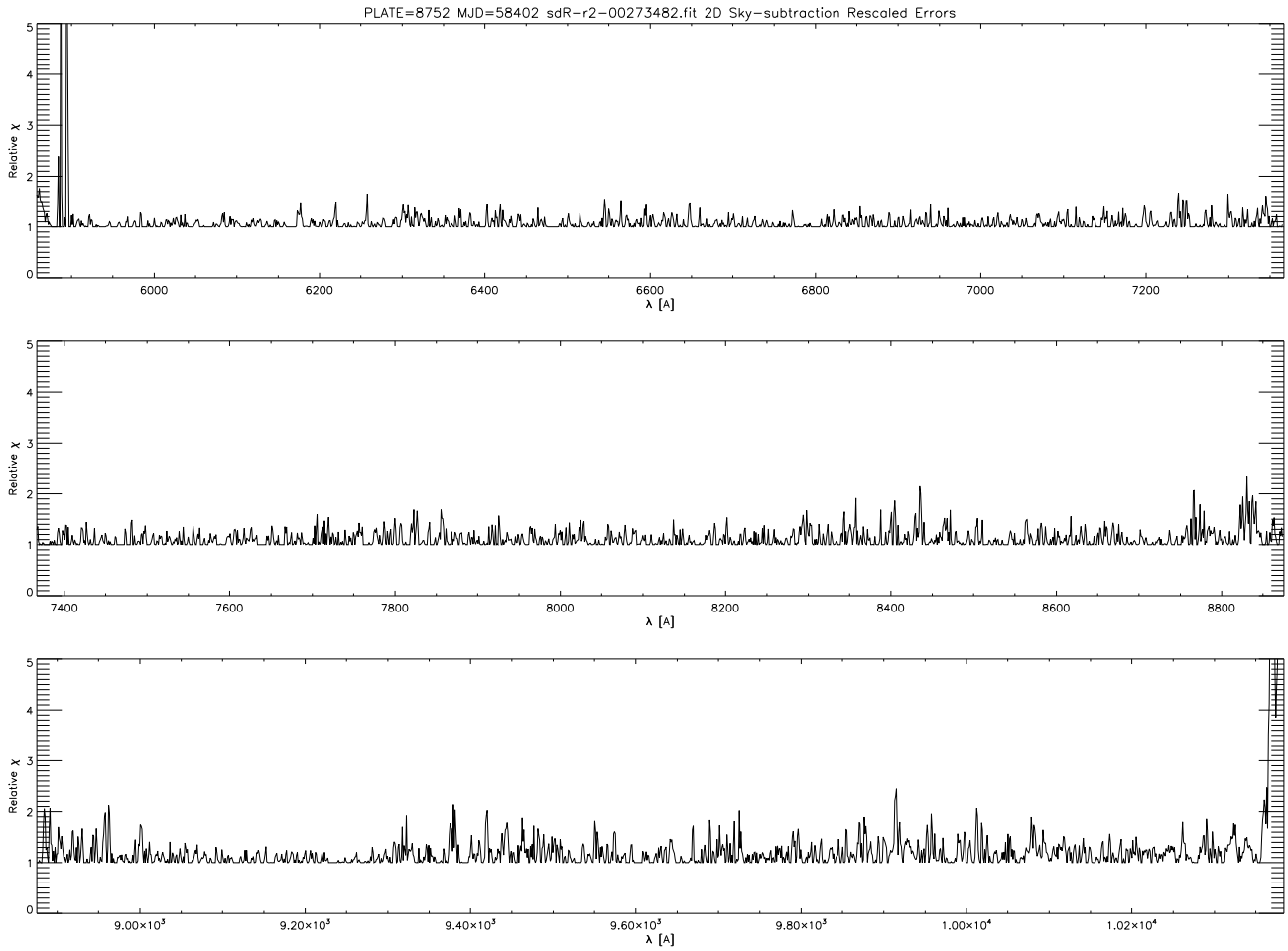


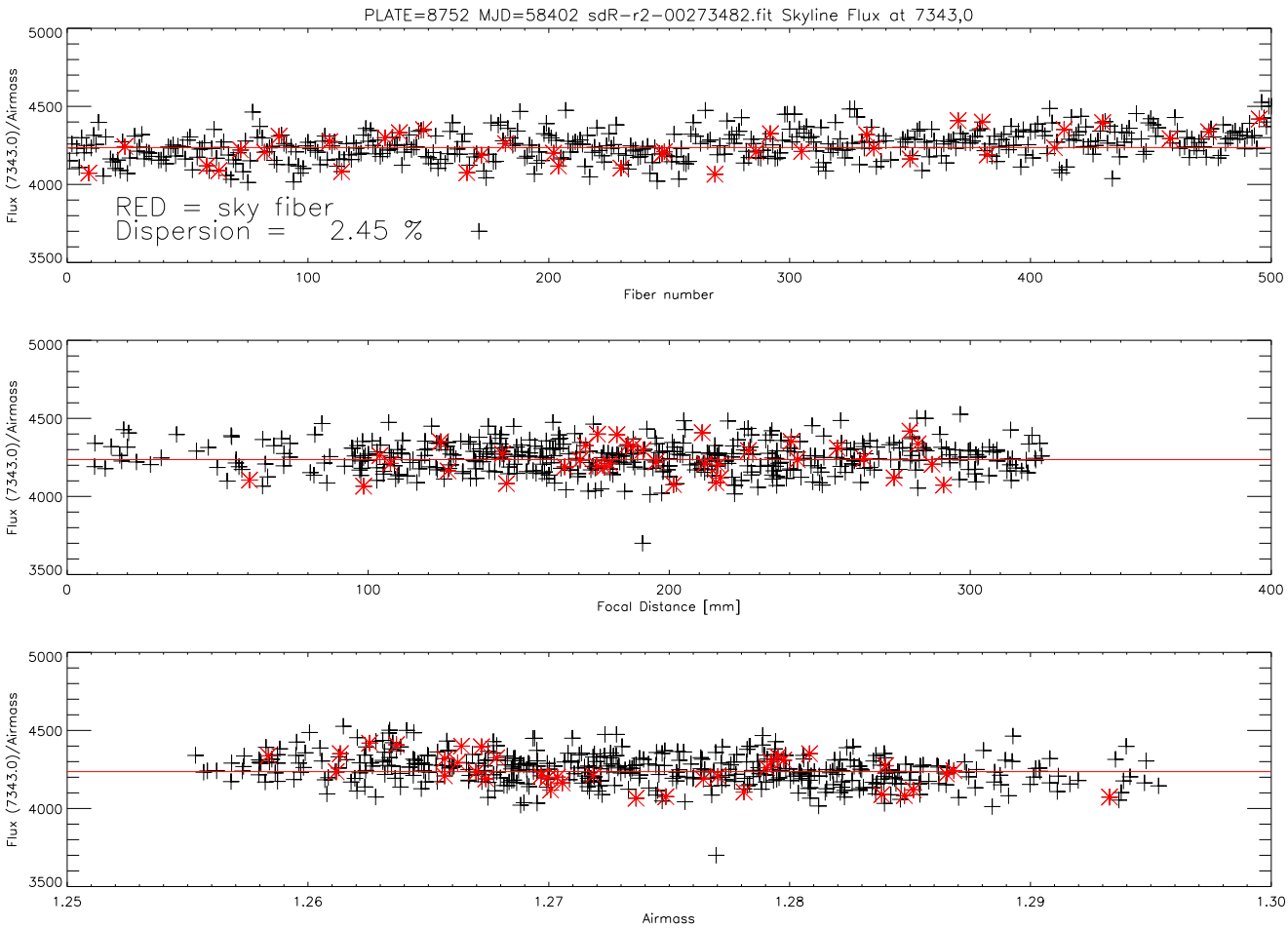

PLATE=8752 MJD=58402 sdR-r2-00273482.fit 2D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

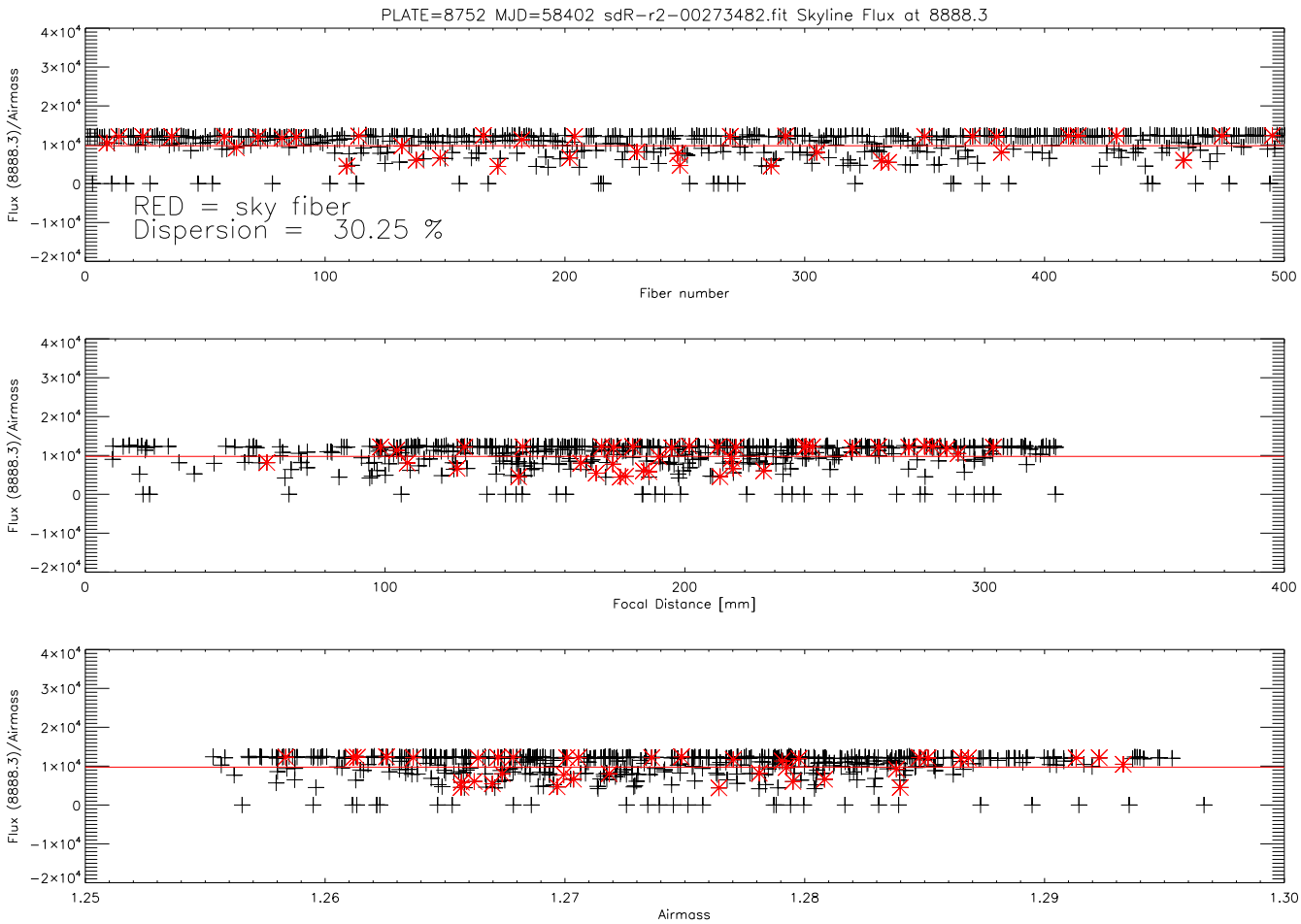

PLATE=8752 MJD=58402 sdR-r2-00273482.fit 2D Sky-subtraction Sky Fibers
Flux [electrons]
8000
6000
4000
2000
0
8820
8840
8860
8880
8900
λ [A]


PLATE=8752 MJD=58402 sdR-r2-00273482.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 = 38




PLATE=8752 MJD=58402 sdR-r2-00273482.fit Skyline Flux at 7343,0
Flux (7343.0)/Airmass
RED = sky fiber
Dispersion = 2.45 %
Fiber number
Focal Distance [mm]
Airmass


PLATE=8752 MJD=58402 sdR-r2-00273482.fit Skyline Flux at 8888.3
Flux (8888.3)/Airmass
RED = sky fiber
Dispersion = 30.25 %
Fiber number
Flux (8888.3)/Airmass
Focal Distance [mm]
Flux (8888.3)/Airmass
Airmass