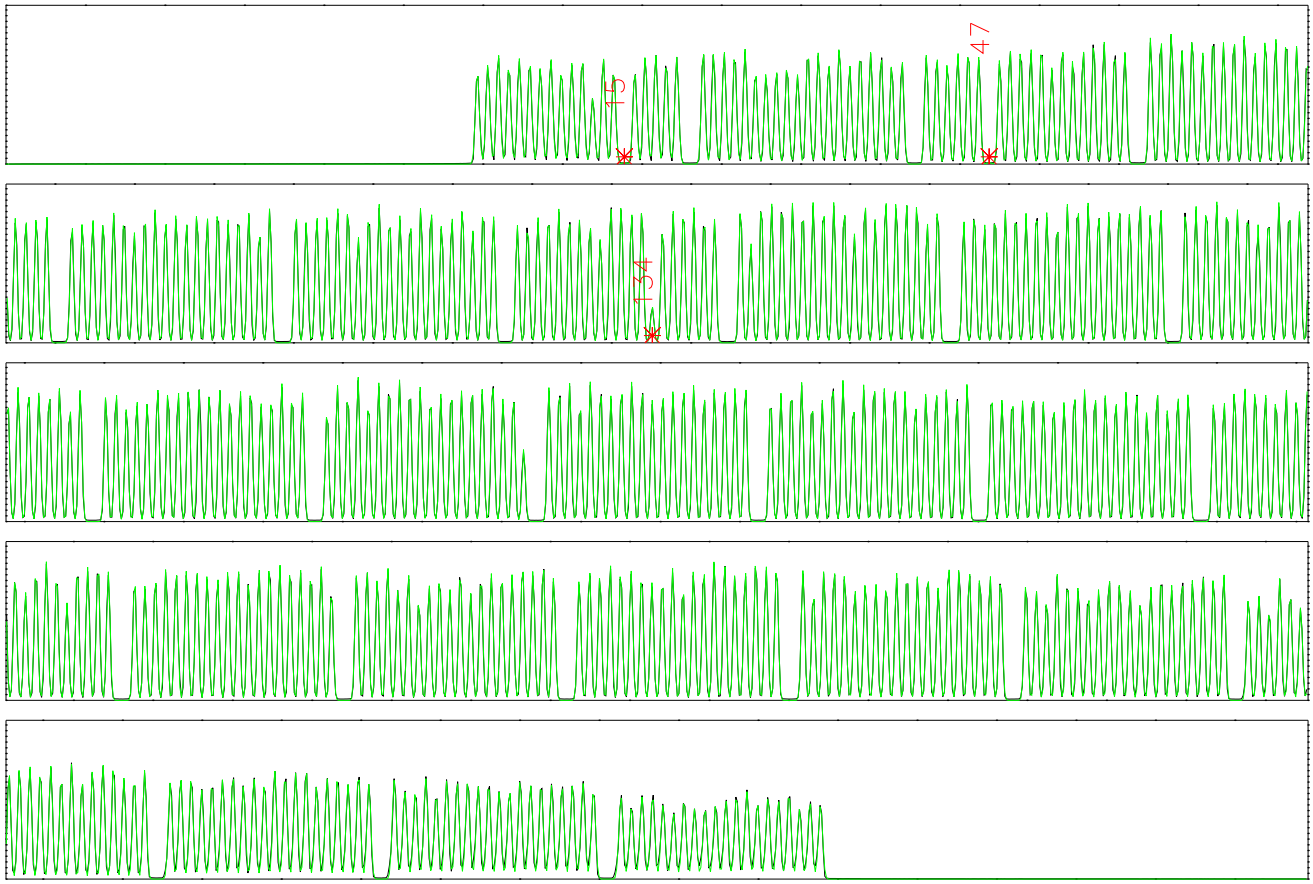
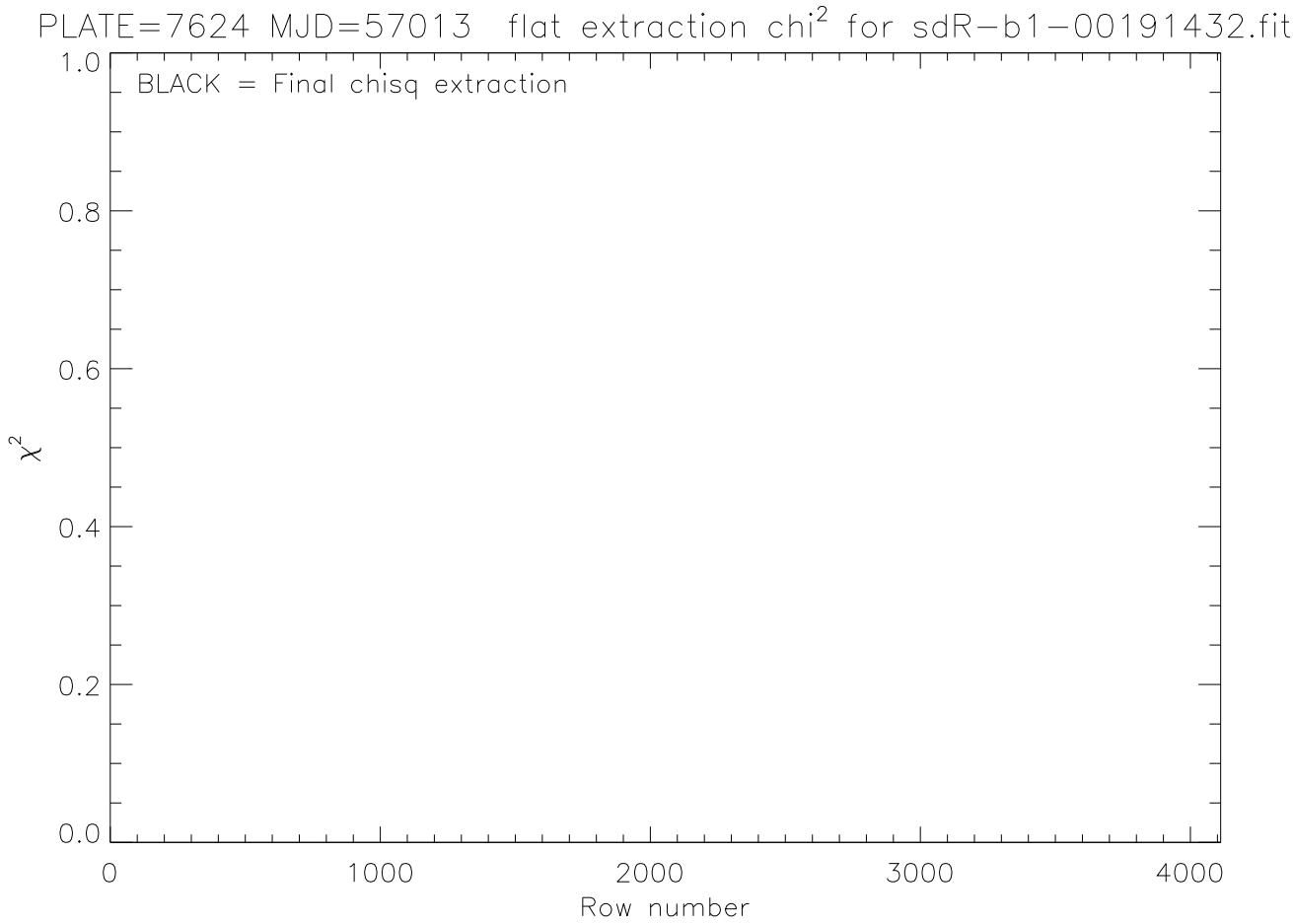
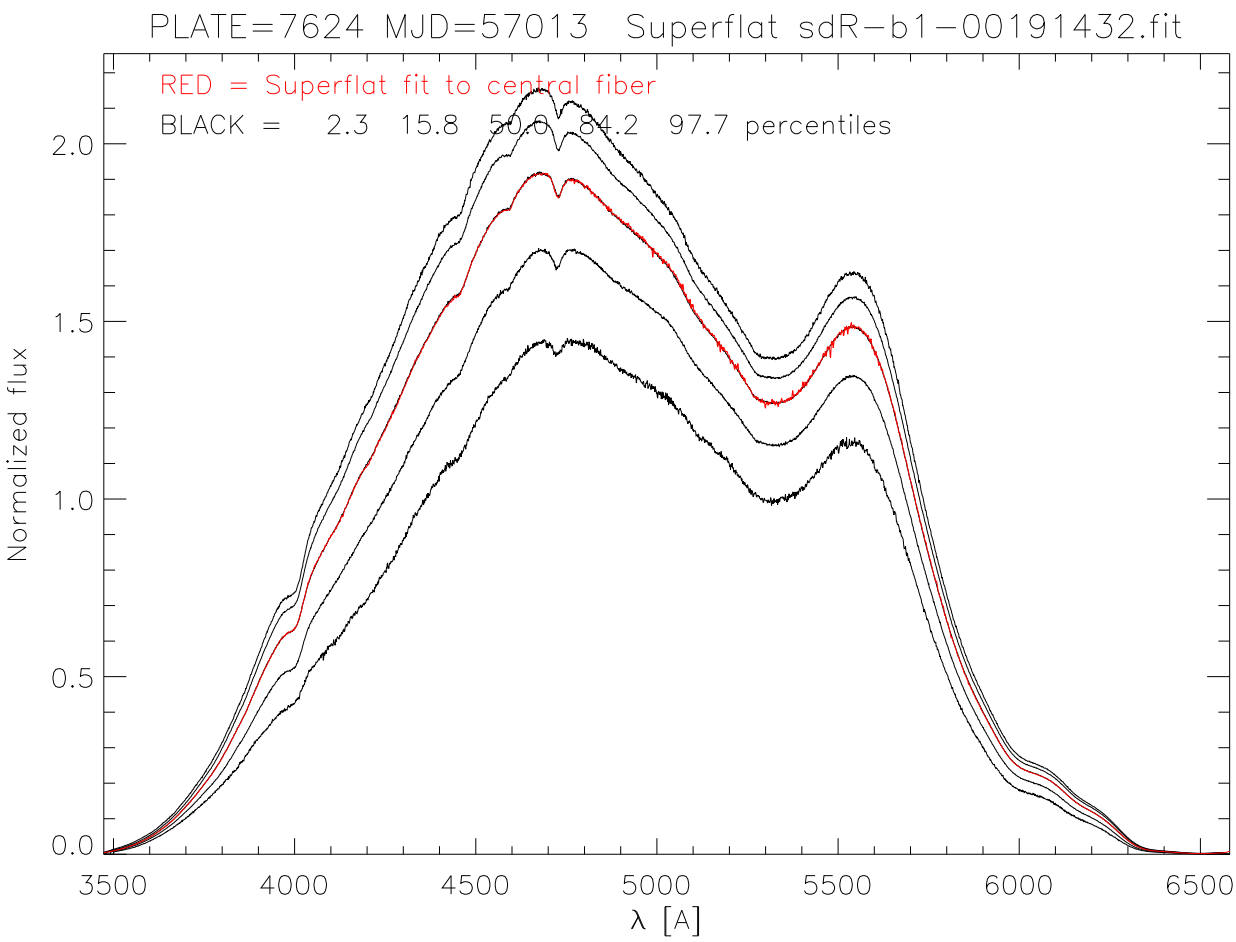
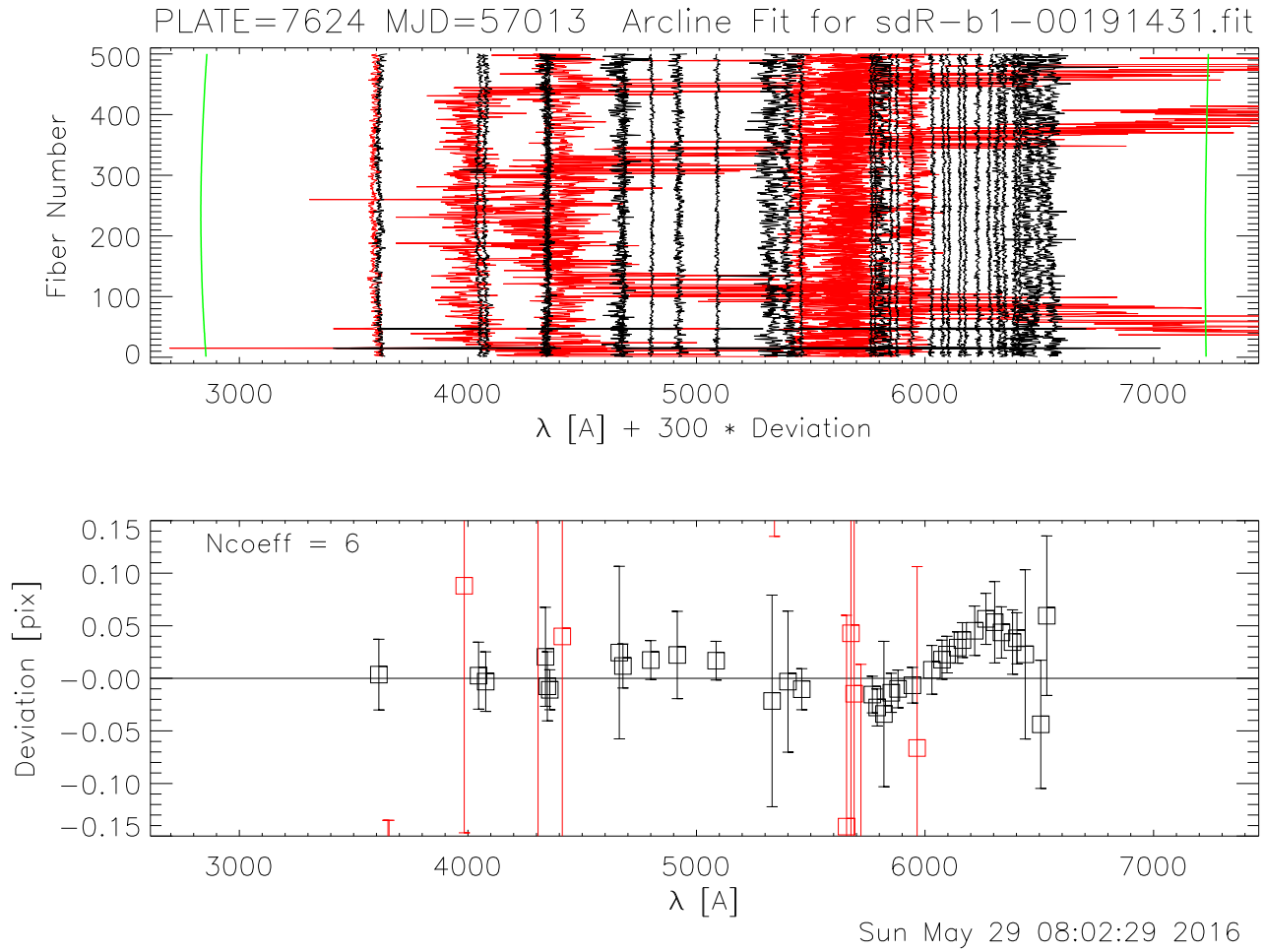
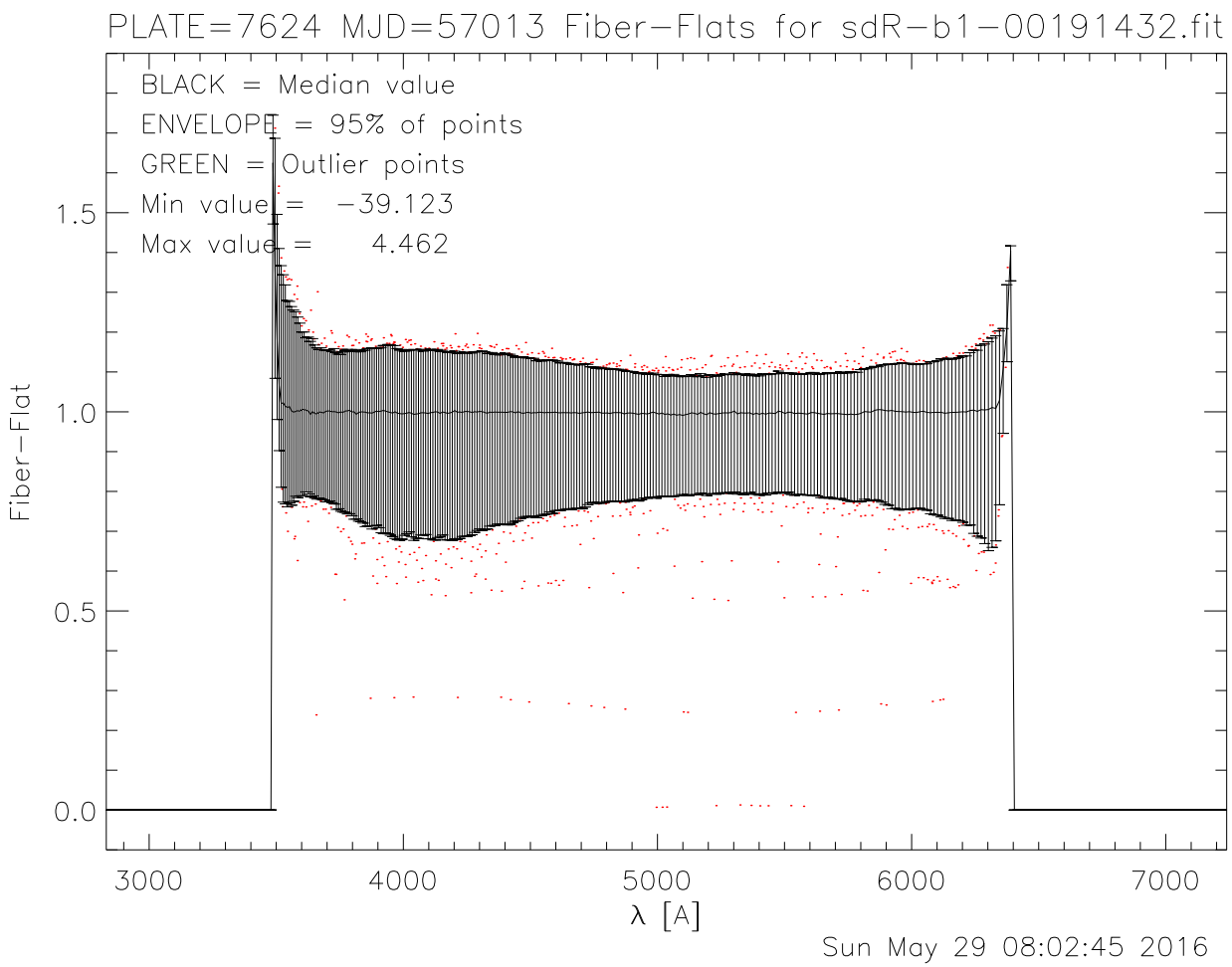
PLATE=7624 MJD=57013 Traces sdR-b1-00191432.fit

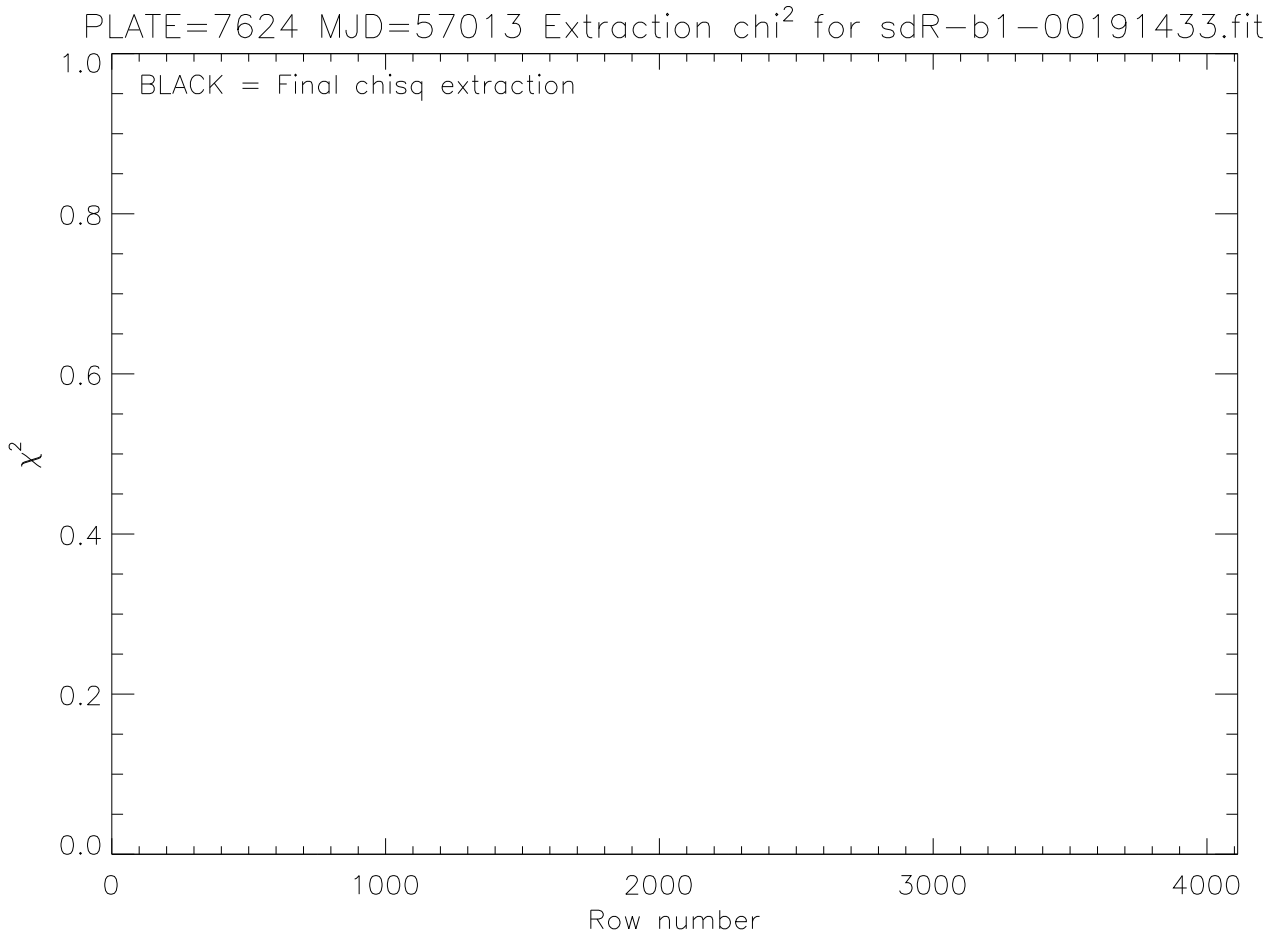


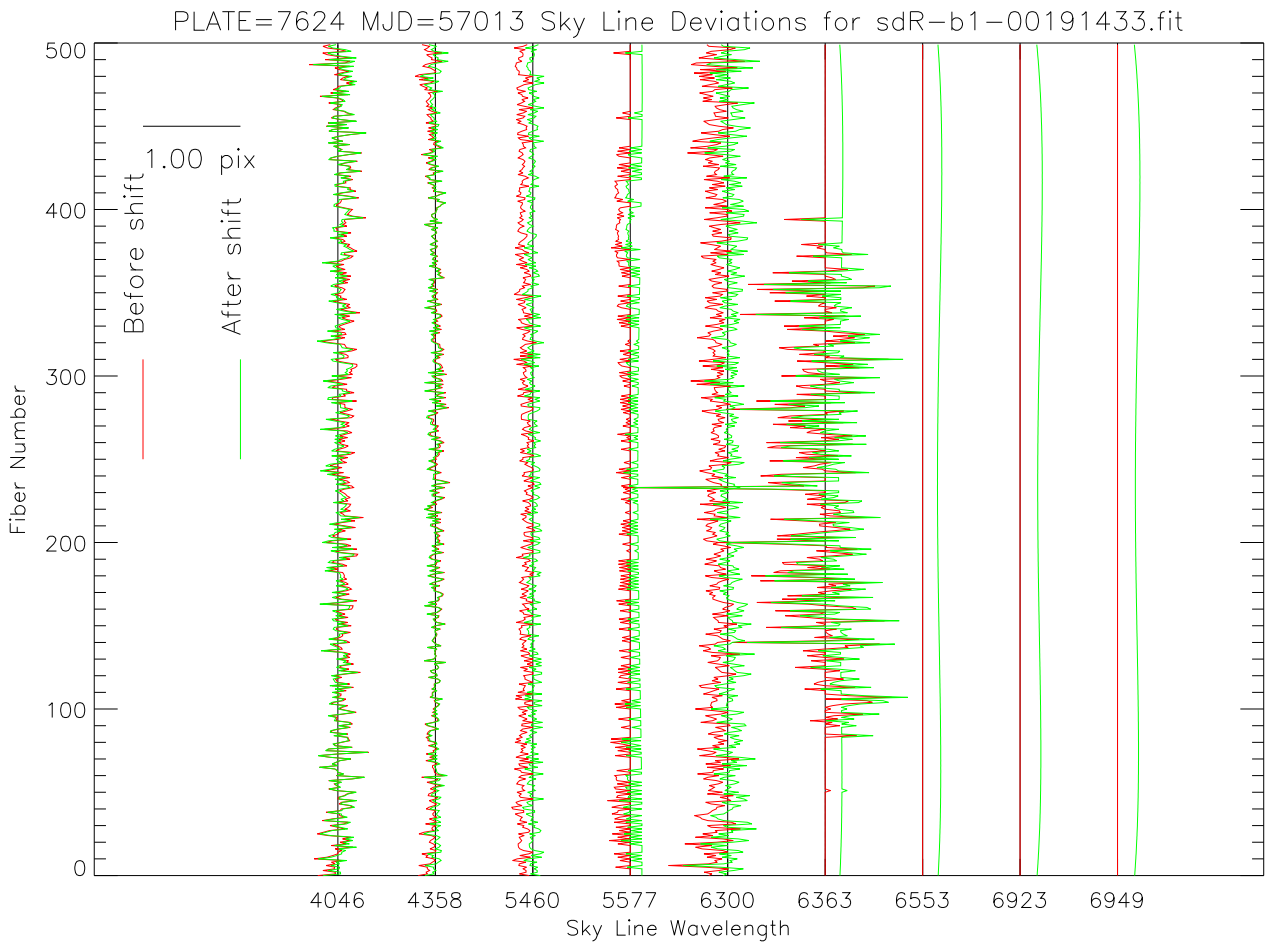

PLATE=7624 MJD=57013 flat extraction chi$^2$ for sdR−b1−00191432.fit
BLACK = Final chisq extraction
1.0
0.8
0.6
0.4
0.2
0.0
$\chi^2$
0
1000
2000
3000
4000
Row number

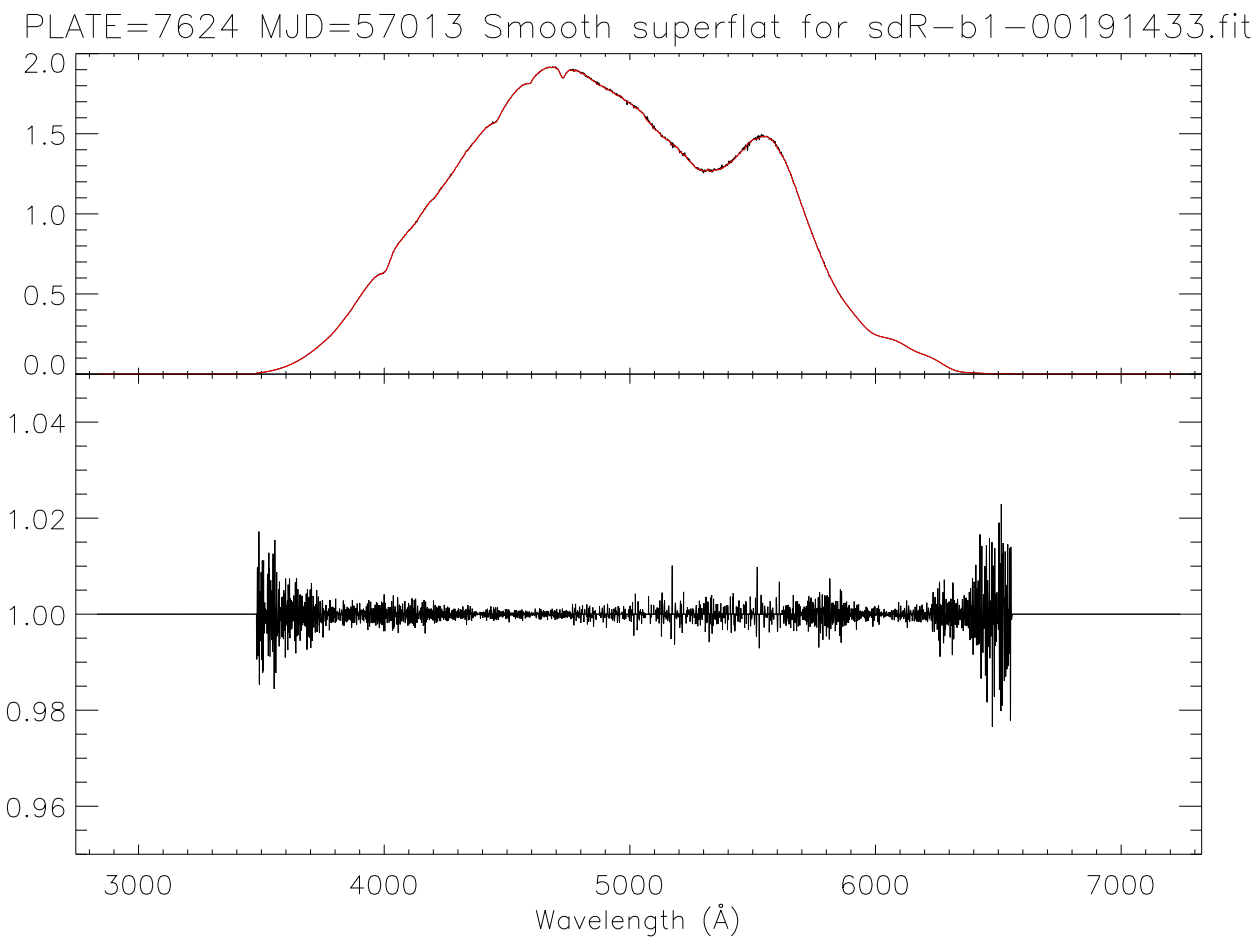

PLATE=7624 MJD=57013 Superflat sdR-b1-00191432.fit
RED = Superflat fit to central fiber
BLACK = 2.3 15.8 50.0 84.2 97.7 percentiles
Normalized flux
λ [A]
0.0
0.5
1.0
1.5
2.0
3500
4000
4500
5000
5500
6000
6500

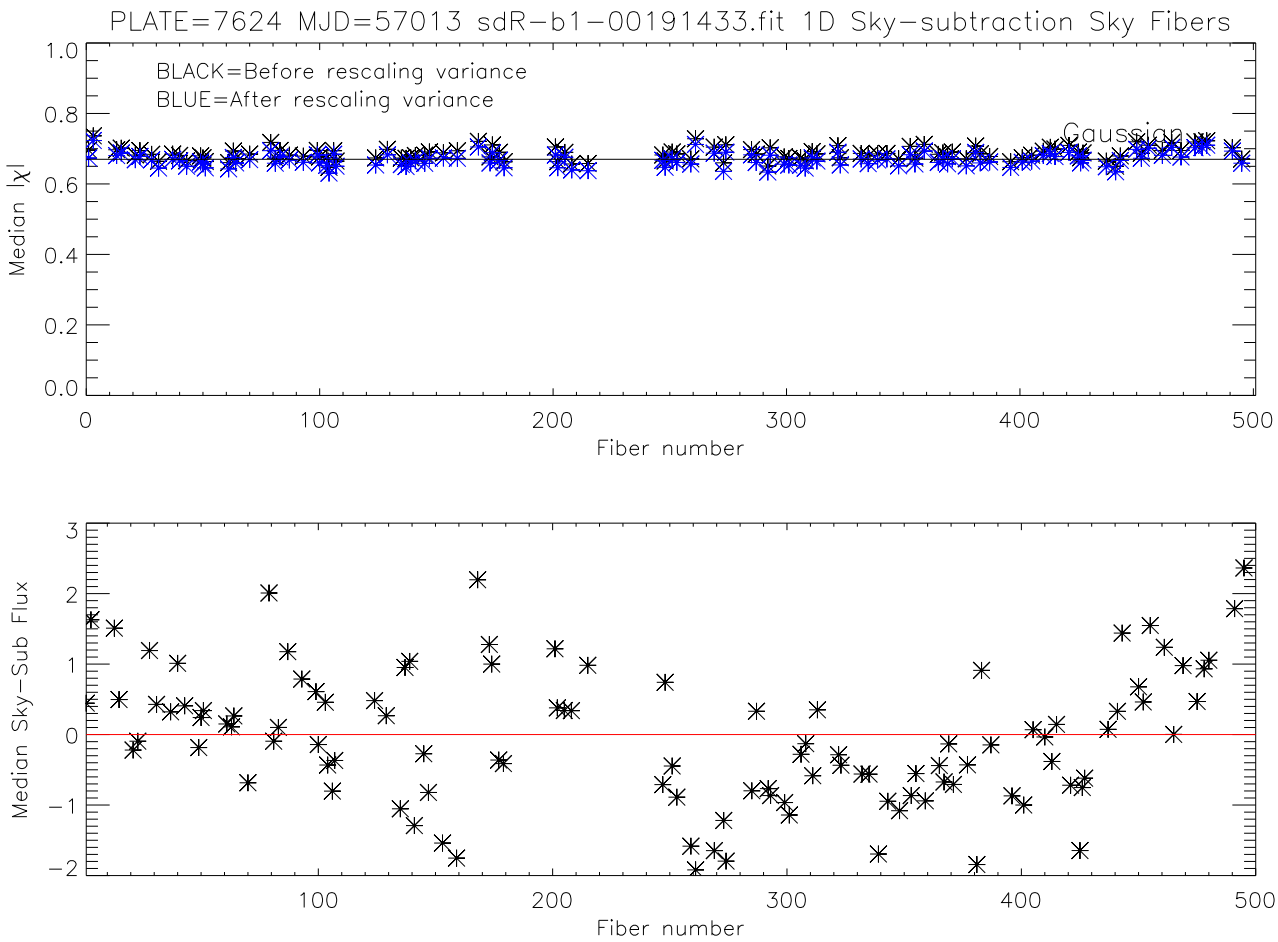

PLATE=7624 MJD=57013 Arcline Fit for sdR-b1-00191431.fit
Fiber Number
500
400
300
200
100
0
3000
4000
5000
6000
7000
λ [A] + 300 * Deviation
Ncoeff = 6
Deviation [pix]
0.15
0.10
0.05
−0.00
−0.05
−0.10
−0.15
3000
4000
5000
6000
7000
λ [A]
Sun May 29 08:02:29 2016

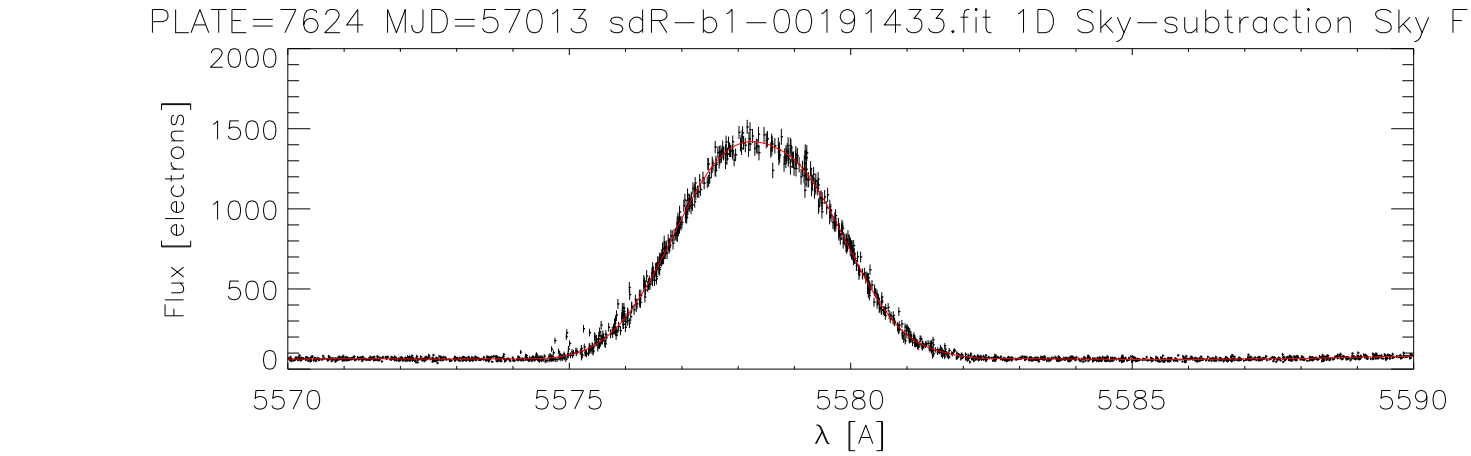

PLATE=7624 MJD=57013 Fiber-Flats for sdR-b1-00191432.fit
BLACK = Median value
ENVELOPE = 95% of points
GREEN = Outlier points
Min value = -39.123
Max value = 4.462
Fiber-Flat
1.5
1.0
0.5
0.0
3000
4000
5000
6000
7000
λ [A]
Sun May 29 08:02:45 2016

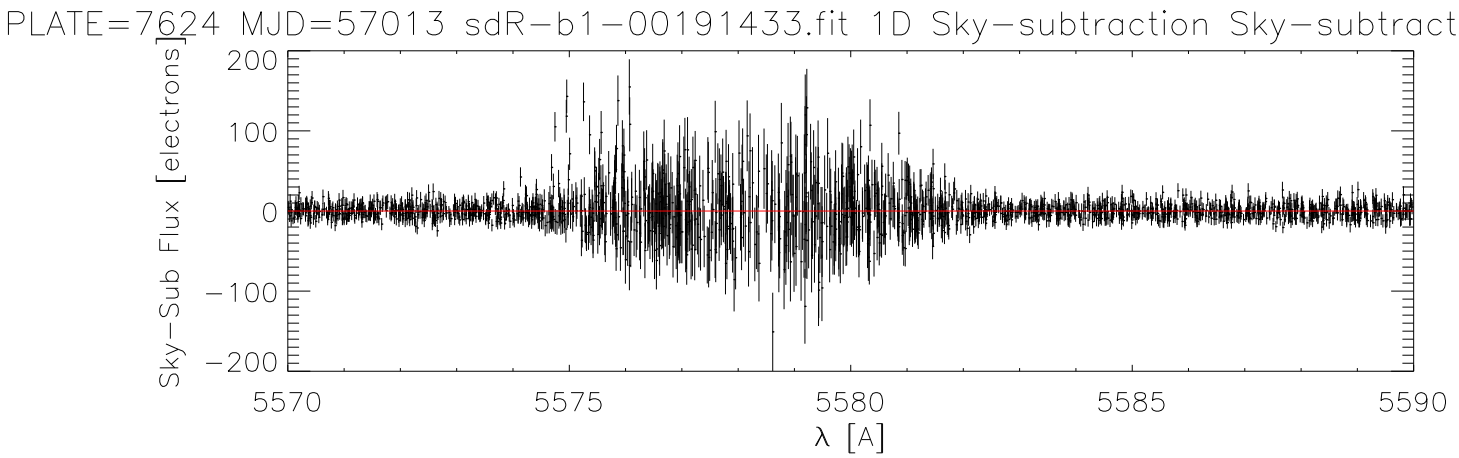

PLATE=7624 MJD=57013 Extraction chi$^2$ for sdR−b1−00191433.fit
BLACK = Final chisq extraction
1.0
0.8
0.6
0.4
0.2
0.0
$\chi^2$
0
1000
2000
3000
4000
Row number


PLATE=7624 MJD=57013 Sky Line Deviations for sdR-b1-00191433.fit
1.00 pix
Before shift
After shift
Fiber Number
500
400
300
200
100
0
4046
4358
5460
5577
6300
6363
6553
6923
6949
Sky Line Wavelength

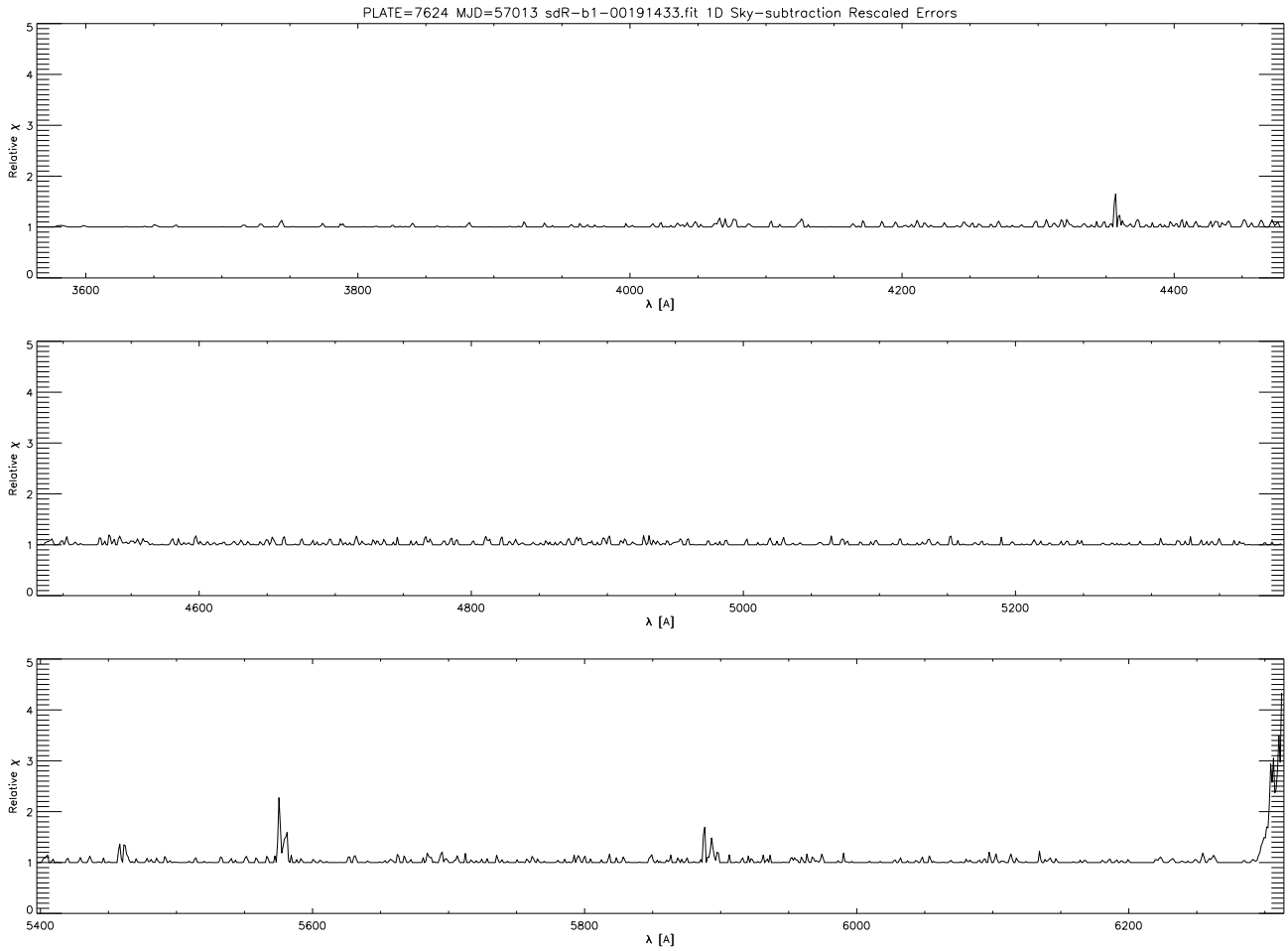

PLATE=7624 MJD=57013 Smooth superflat for sdR-b1-00191433.fit
2.0
1.5
1.0
0.5
0.0
1.04
1.02
1.00
0.98
0.96
3000
4000
5000
6000
7000
Wavelength (Å)

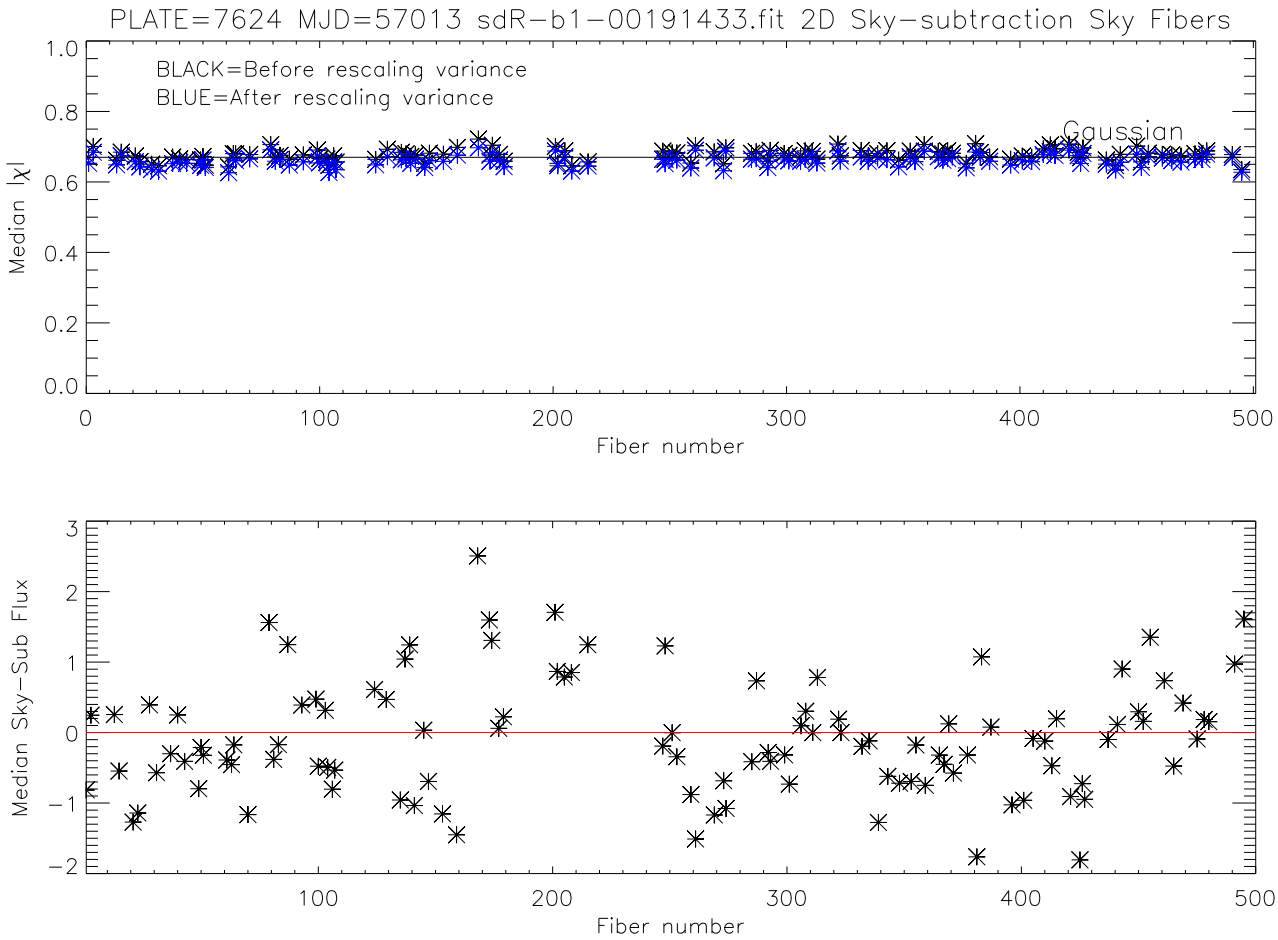

PLATE=7624 MJD=57013 sdR-b1-00191433.fit 1D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

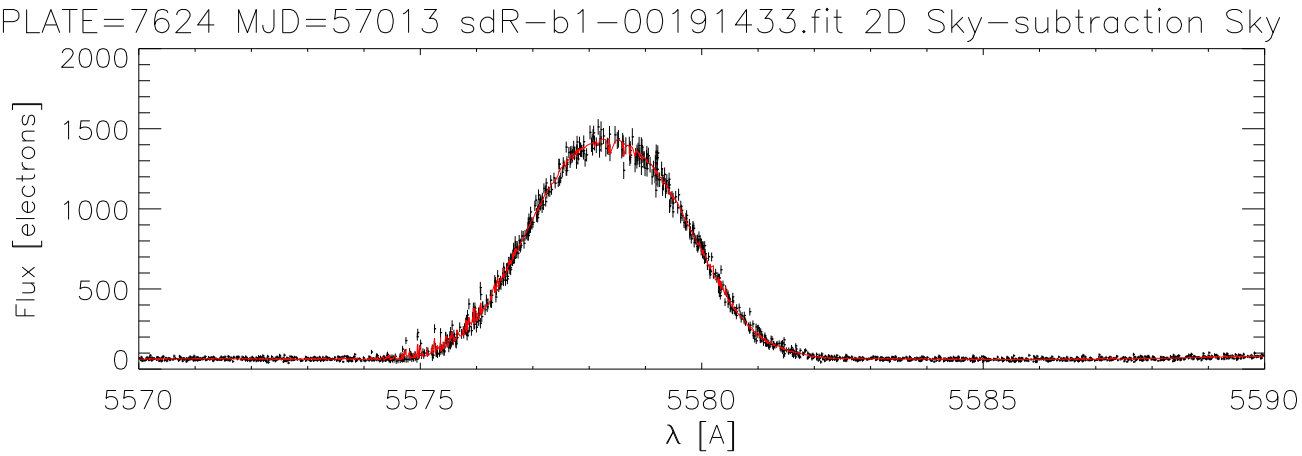

PLATE=7624 MJD=57013 sdR-b1-00191433.fit 1D Sky-subtraction Sky Fibers
Flux [electrons]
2000
1500
1000
500
0
5570
5575
5580
5585
5590
λ [A]

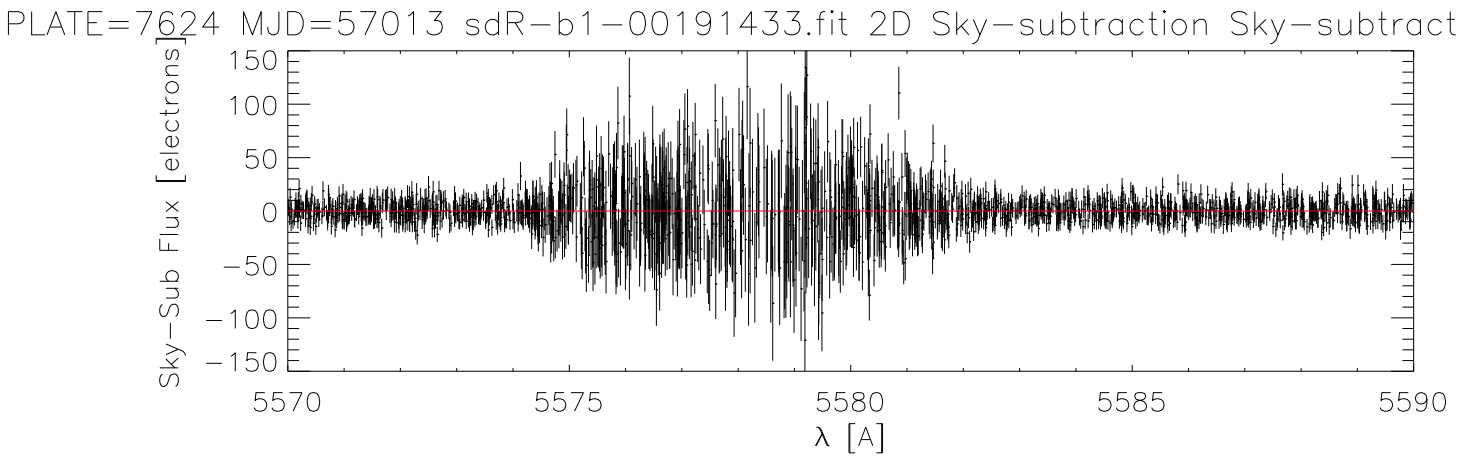

PLATE=7624 MJD=57013 sdR-b1-00191433.fit 1D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
200
100
0
-100
-200
5570
5575
5580
5585
5590
λ [A]

Number of sky fibers = 110

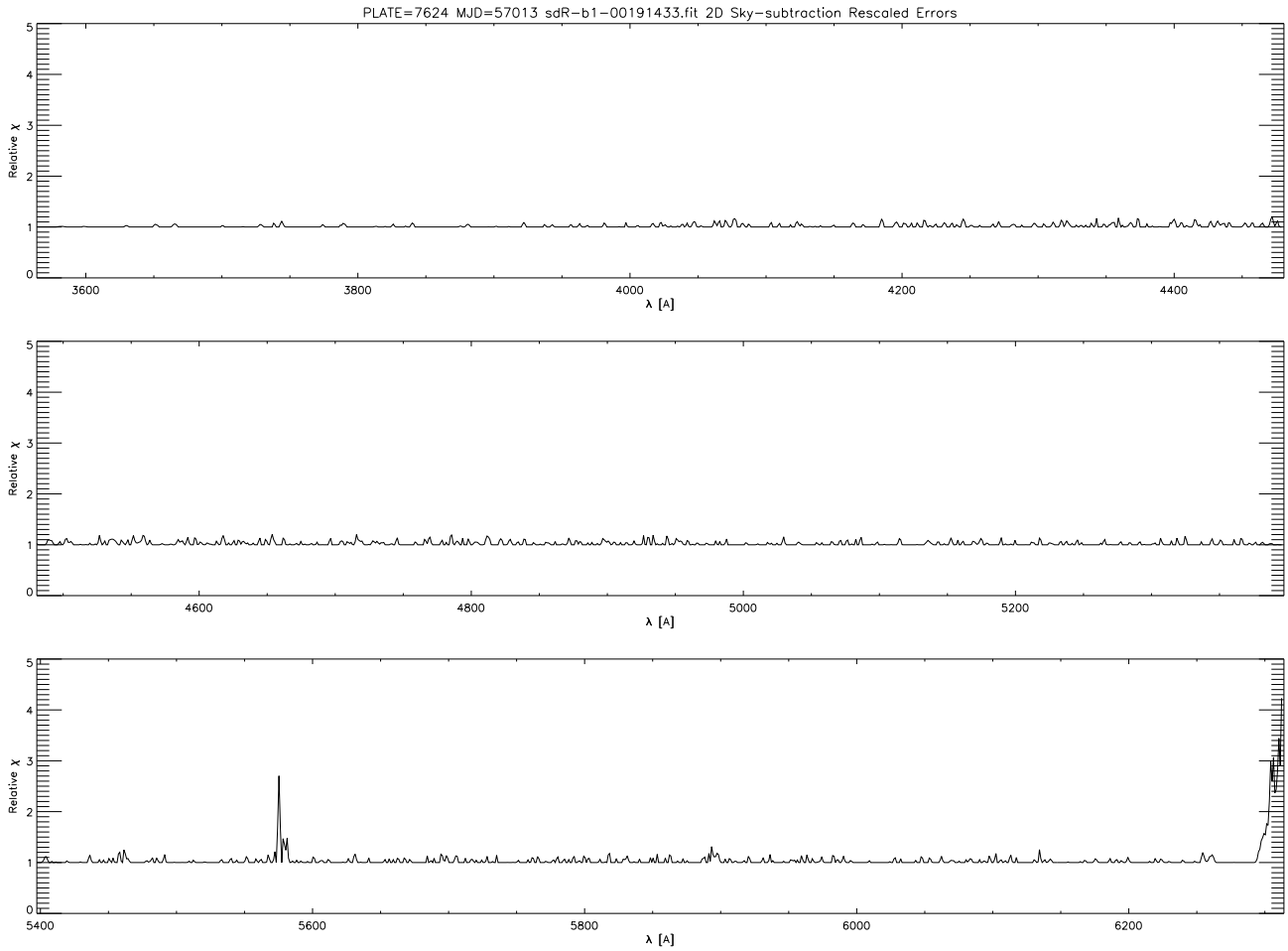


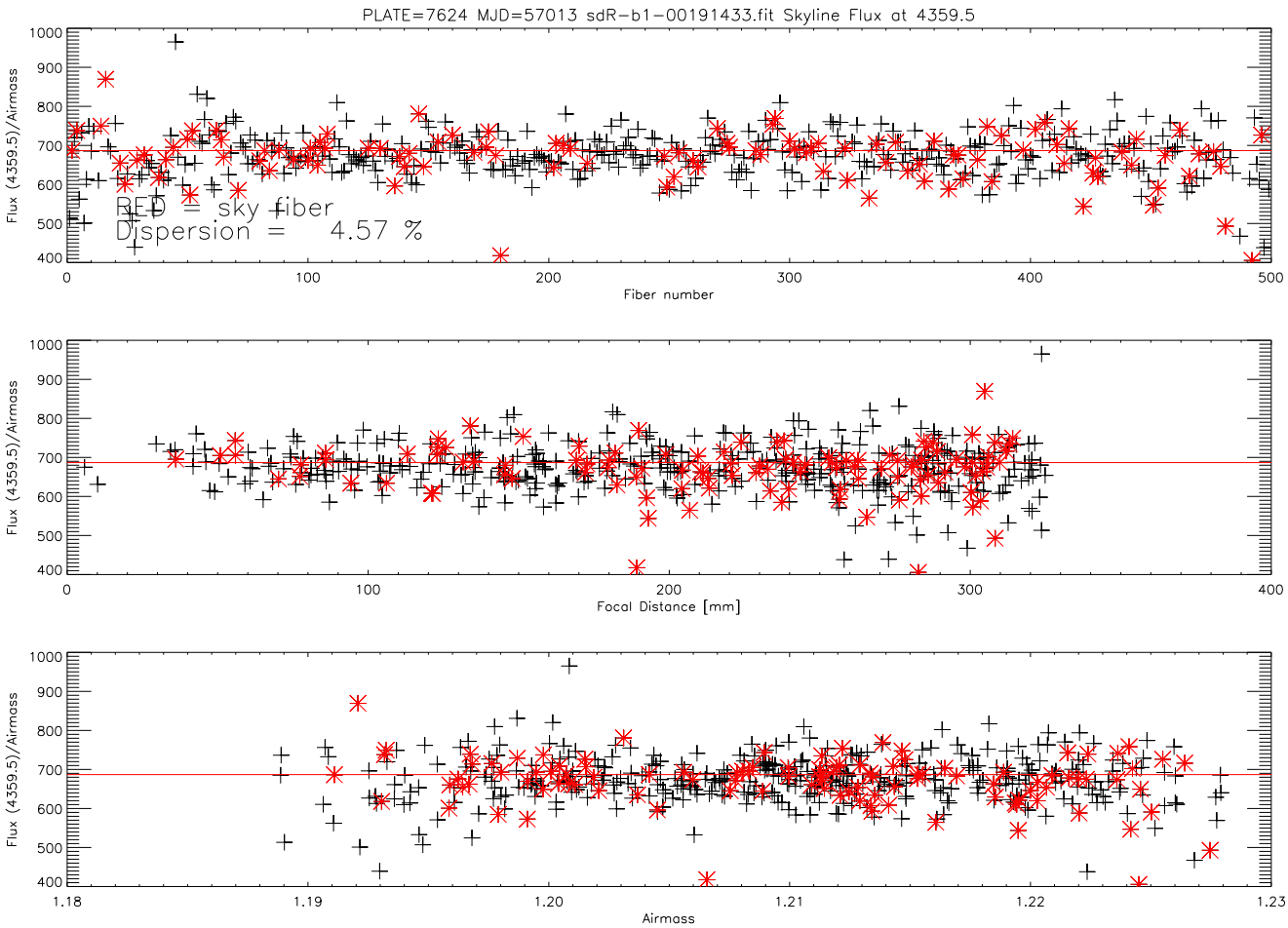

PLATE=7624 MJD=57013 sdR-b1-00191433.fit 2D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

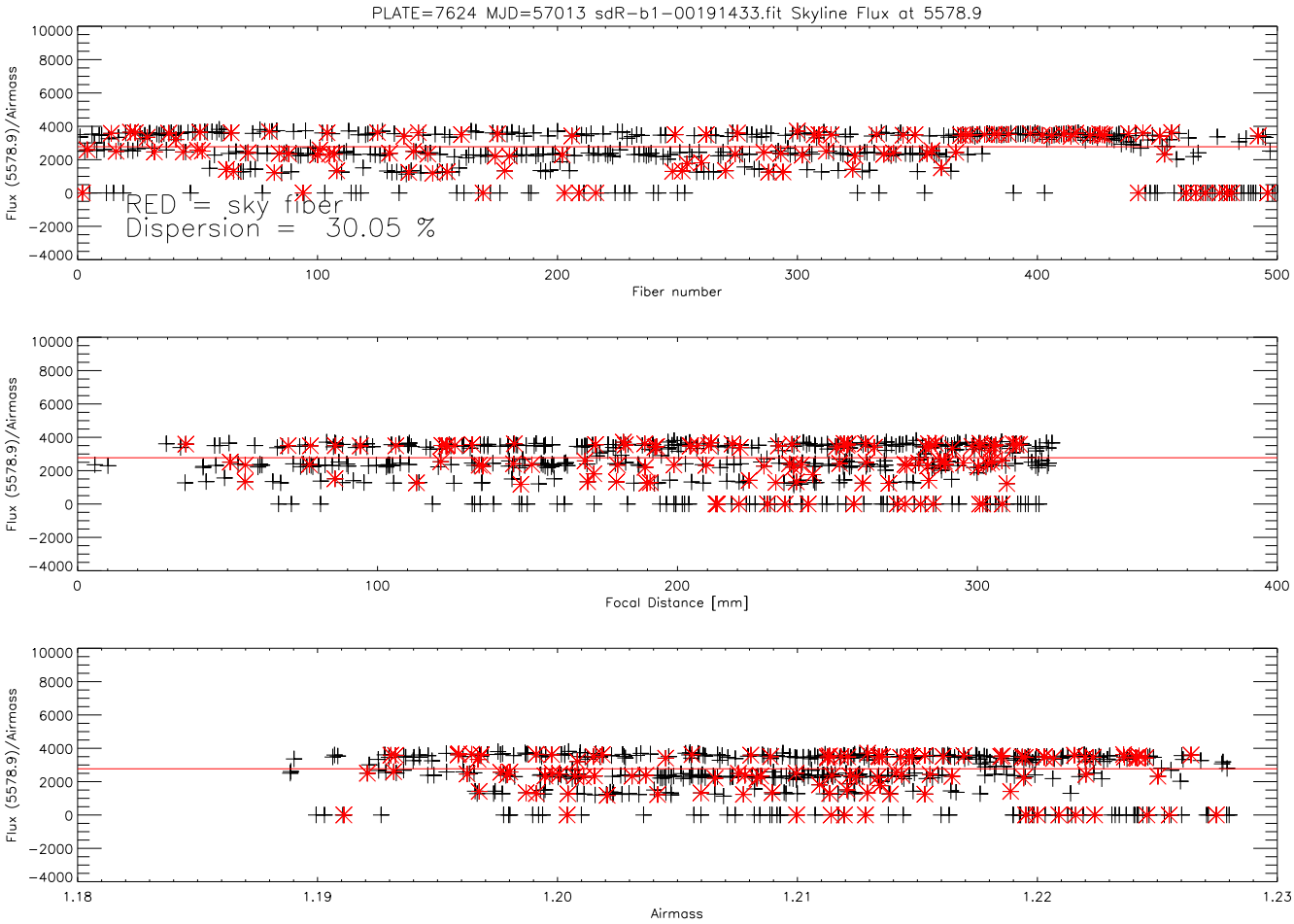

PLATE=7624 MJD=57013 sdR-b1-00191433.fit 2D Sky-subtraction Sky Fibers
Flux [electrons]
2000
1500
1000
500
0
5570
5575
5580
5585
5590
λ [A]

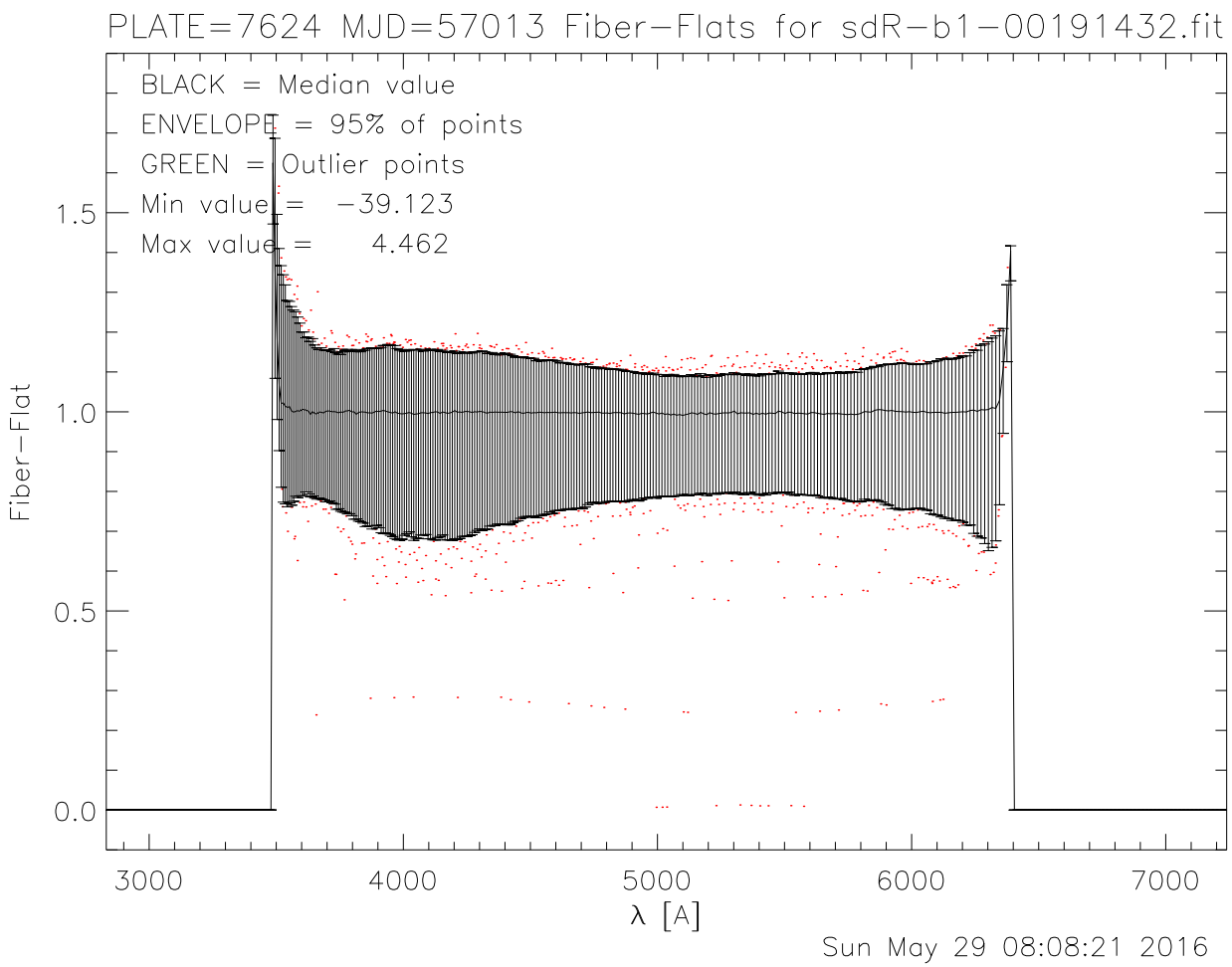

PLATE=7624 MJD=57013 sdR-b1-00191433.fit 2D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
150
100
50
0
−50
−100
−150
5570
5575
5580
5585
5590
λ [A]

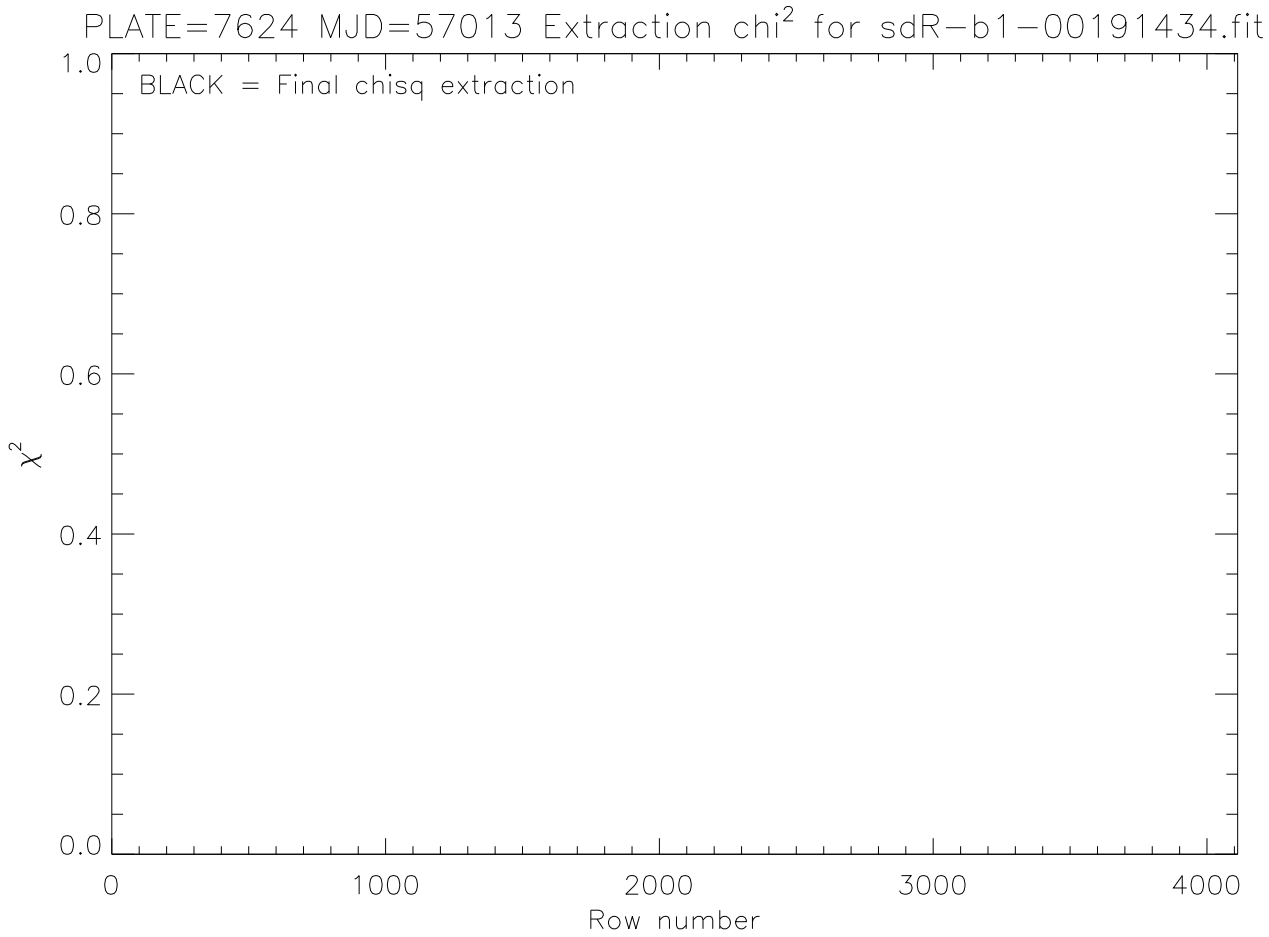
Number of sky fibers = 110

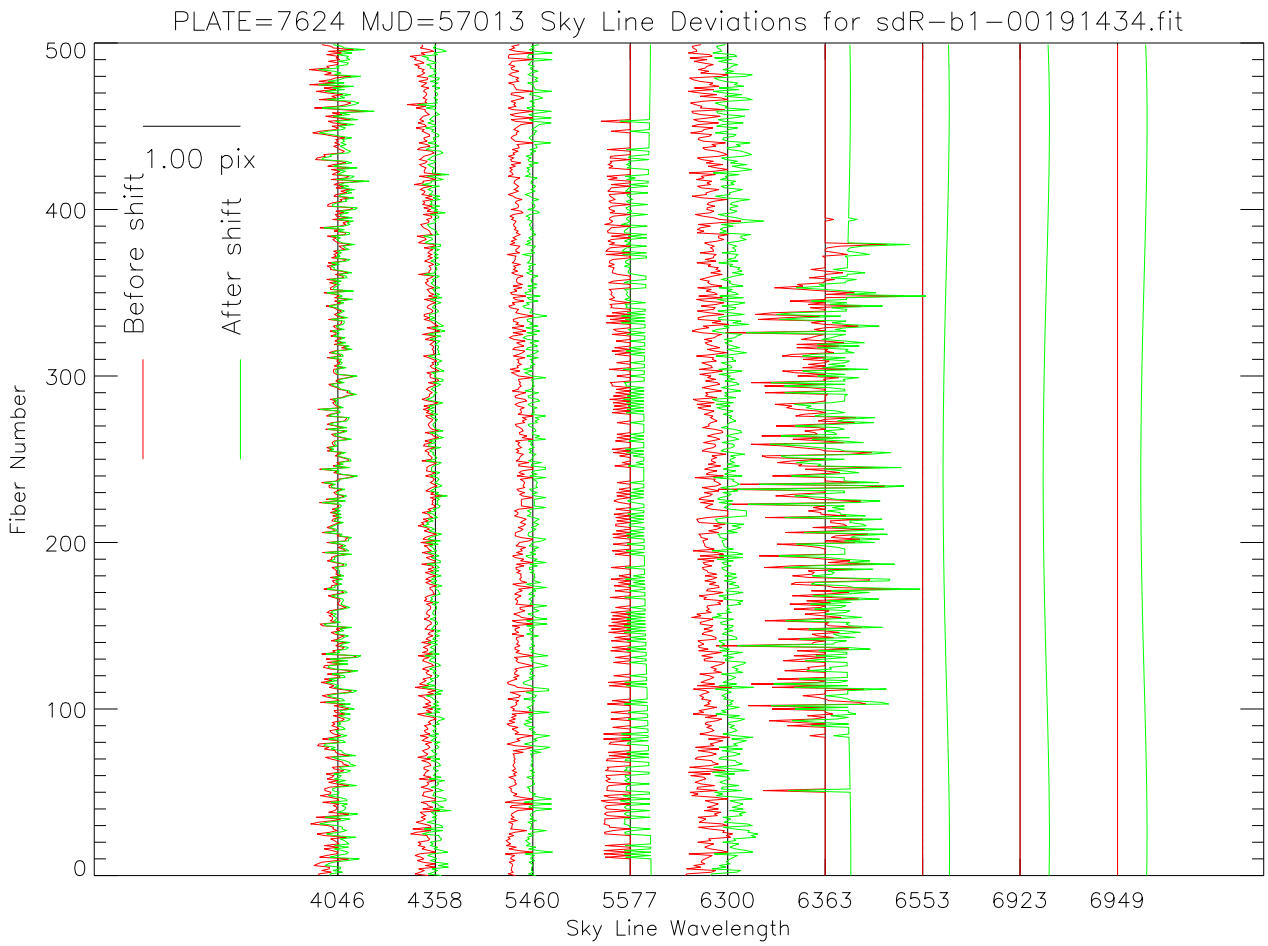


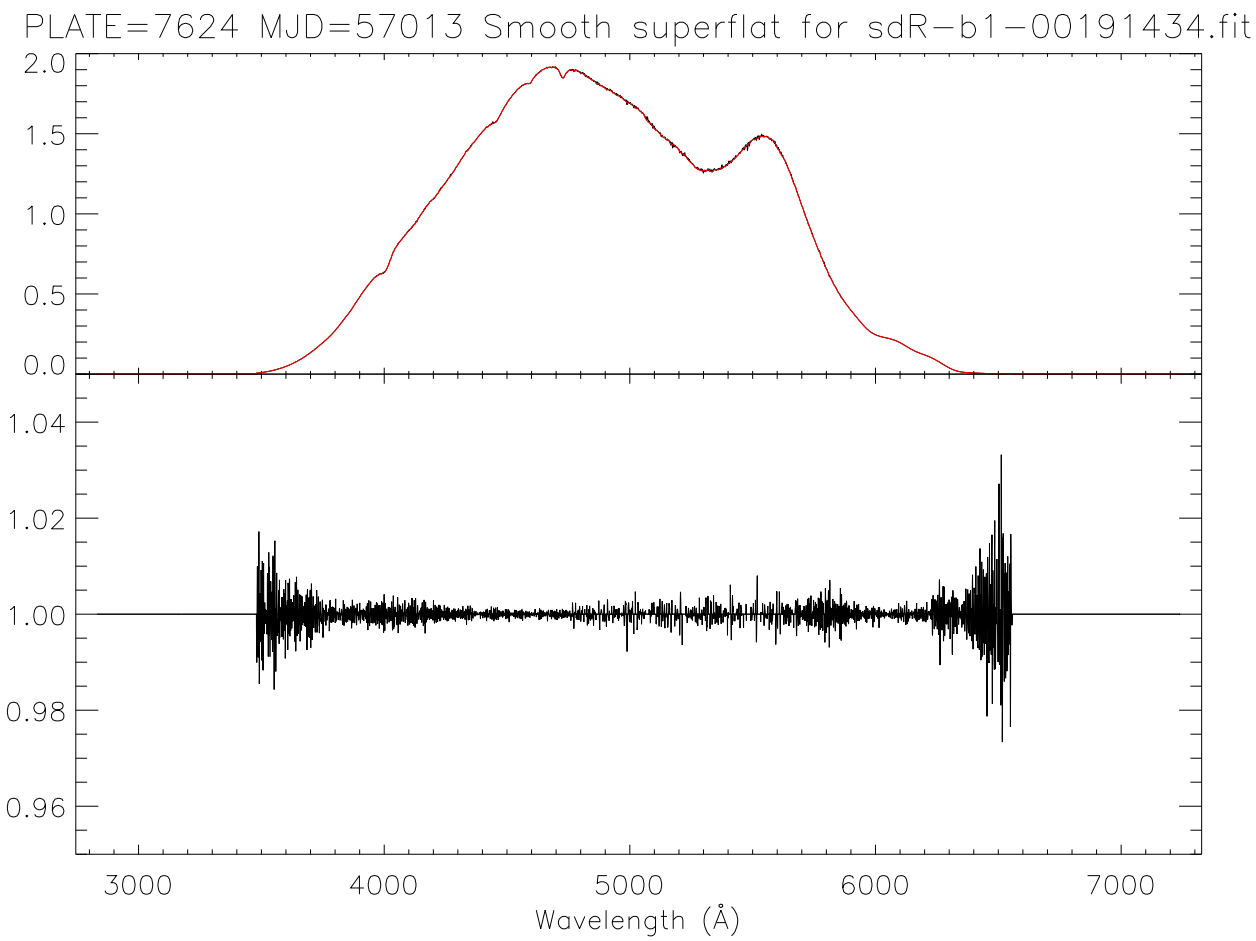

PLATE=7624 MJD=57013 sdR-b1-00191433.fit Skyline Flux at 4359.5
Flux (4359.5)/Airmass
Fiber number
RED = sky fiber
Dispersion = 4.57 %
Flux (4359.5)/Airmass
Focal Distance [mm]
Flux (4359.5)/Airmass
Airmass

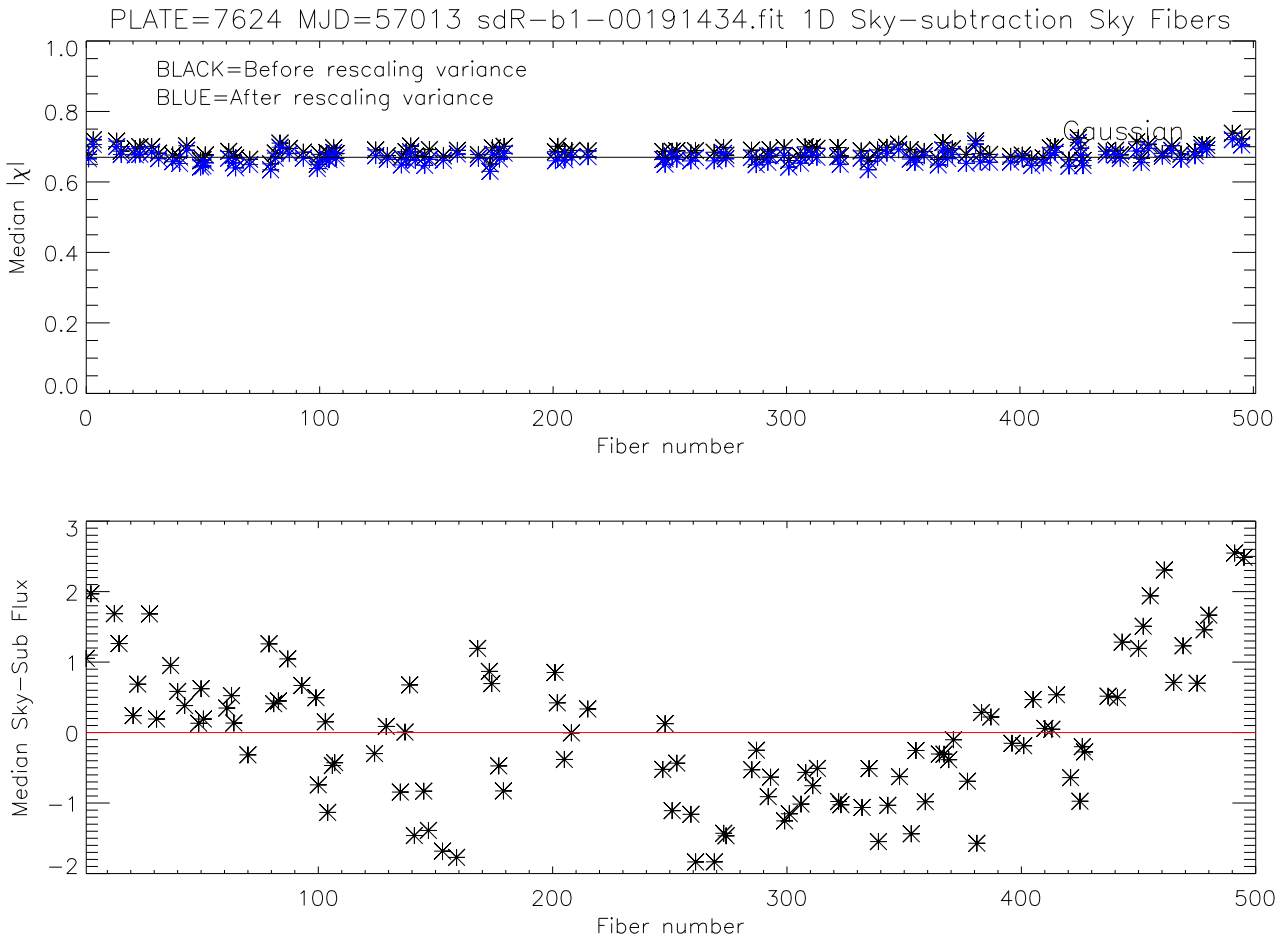

PLATE=7624 MJD=57013 sdR-b1-00191433.fit Skyline Flux at 5578.9
Flux (5578.9)/Airmass
RED = sky fiber
Dispersion = 30.05 %
Fiber number
Flux (5578.9)/Airmass
Focal Distance [mm]
Flux (5578.9)/Airmass
Airmass

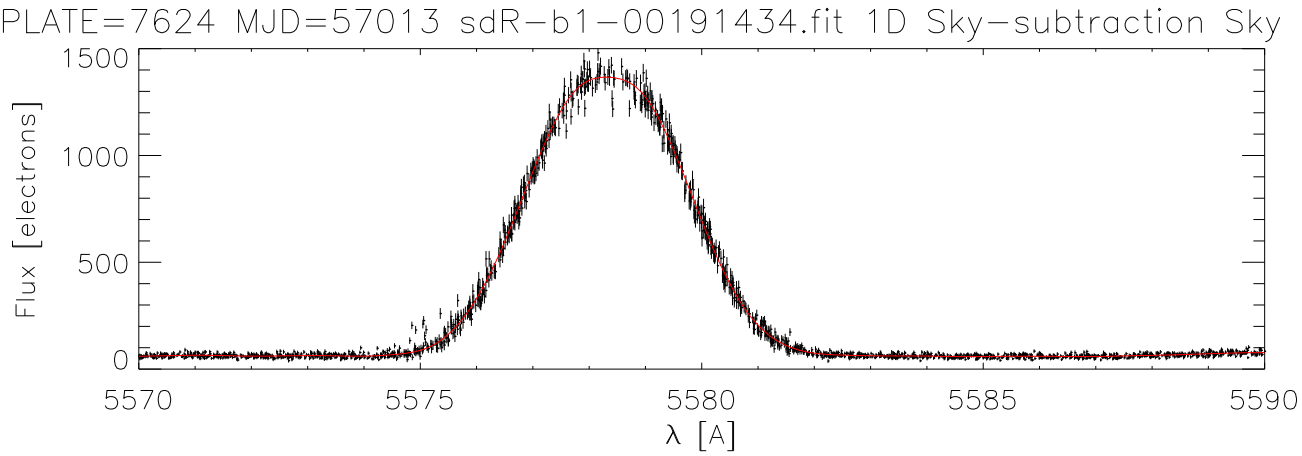

PLATE=7624 MJD=57013 Fiber-Flats for sdR-b1-00191432.fit
BLACK = Median value
ENVELOPE = 95% of points
GREEN = Outlier points
Min value = -39.123
Max value = 4.462
Fiber-Flat
1.5
1.0
0.5
0.0
3000
4000
5000
6000
7000
λ [A]
Sun May 29 08:08:21 2016

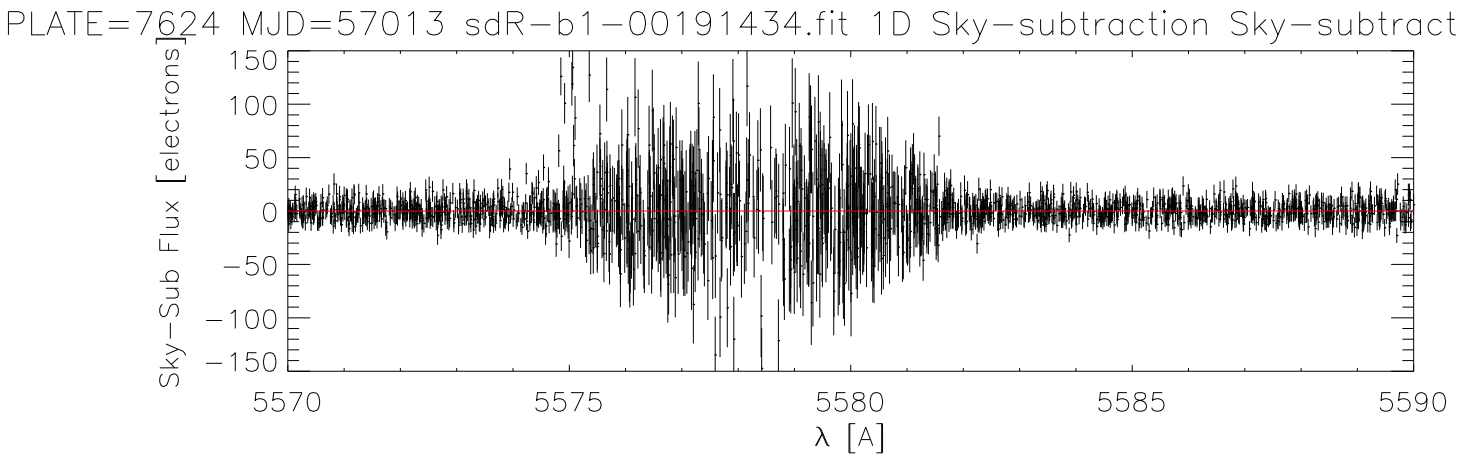

PLATE=7624 MJD=57013 Extraction chi$^2$ for sdR-b1-00191434.fit
BLACK = Final chisq extraction
1.0
0.8
0.6
0.4
0.2
0.0
$\chi^2$
0
1000
2000
3000
4000
Row number


PLATE=7624 MJD=57013 Sky Line Deviations for sdR-b1-00191434.fit
Before shift
After shift
1.00 pix
Fiber Number
0
100
200
300
400
500
4046
4358
5460
5577
6300
6363
6553
6923
6949
Sky Line Wavelength

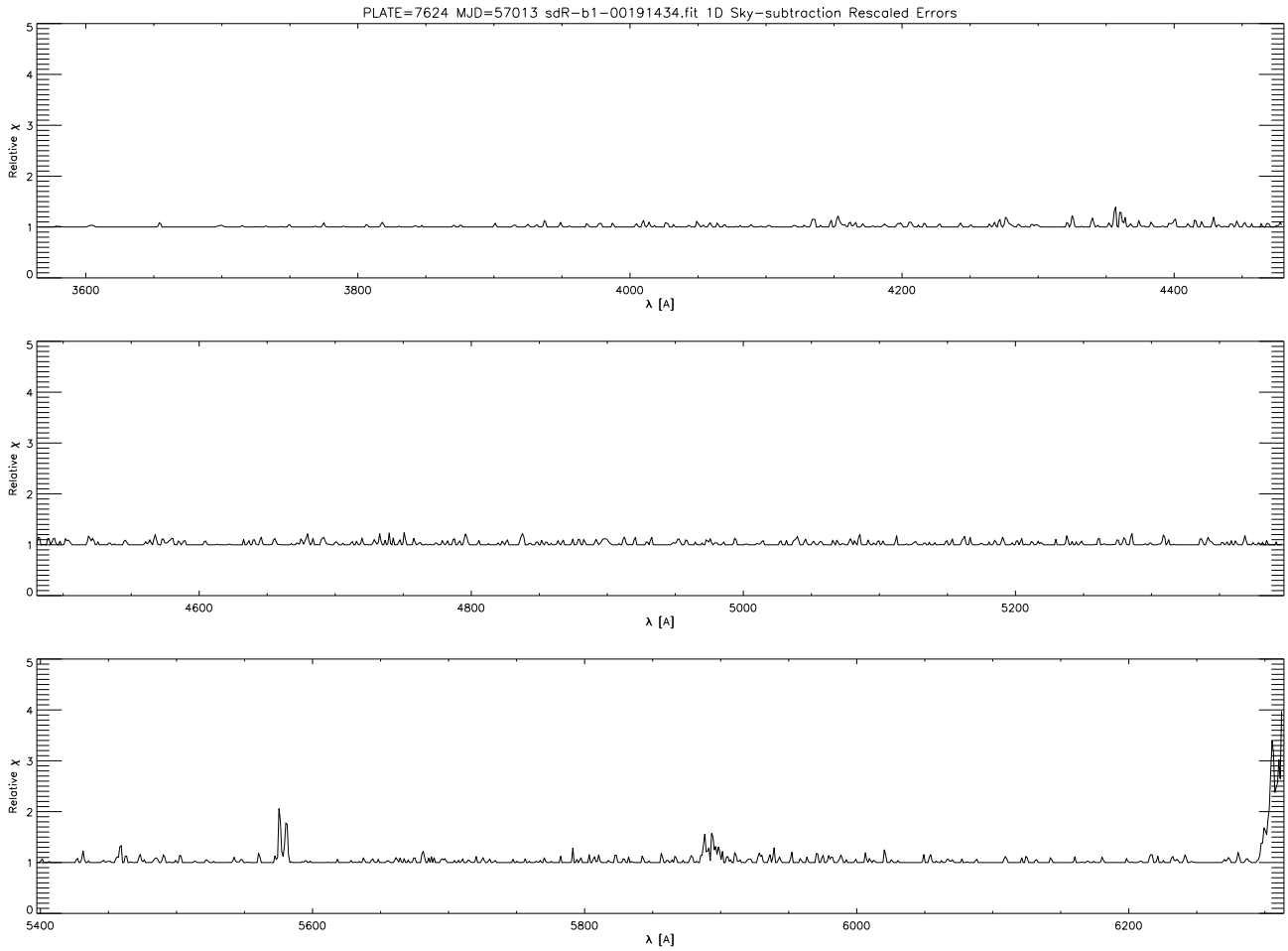

PLATE=7624 MJD=57013 Smooth superflat for sdR-b1-00191434.fit
2.0
1.5
1.0
0.5
0.0
1.04
1.02
1.00
0.98
0.96
3000
4000
5000
6000
7000
Wavelength (Å)

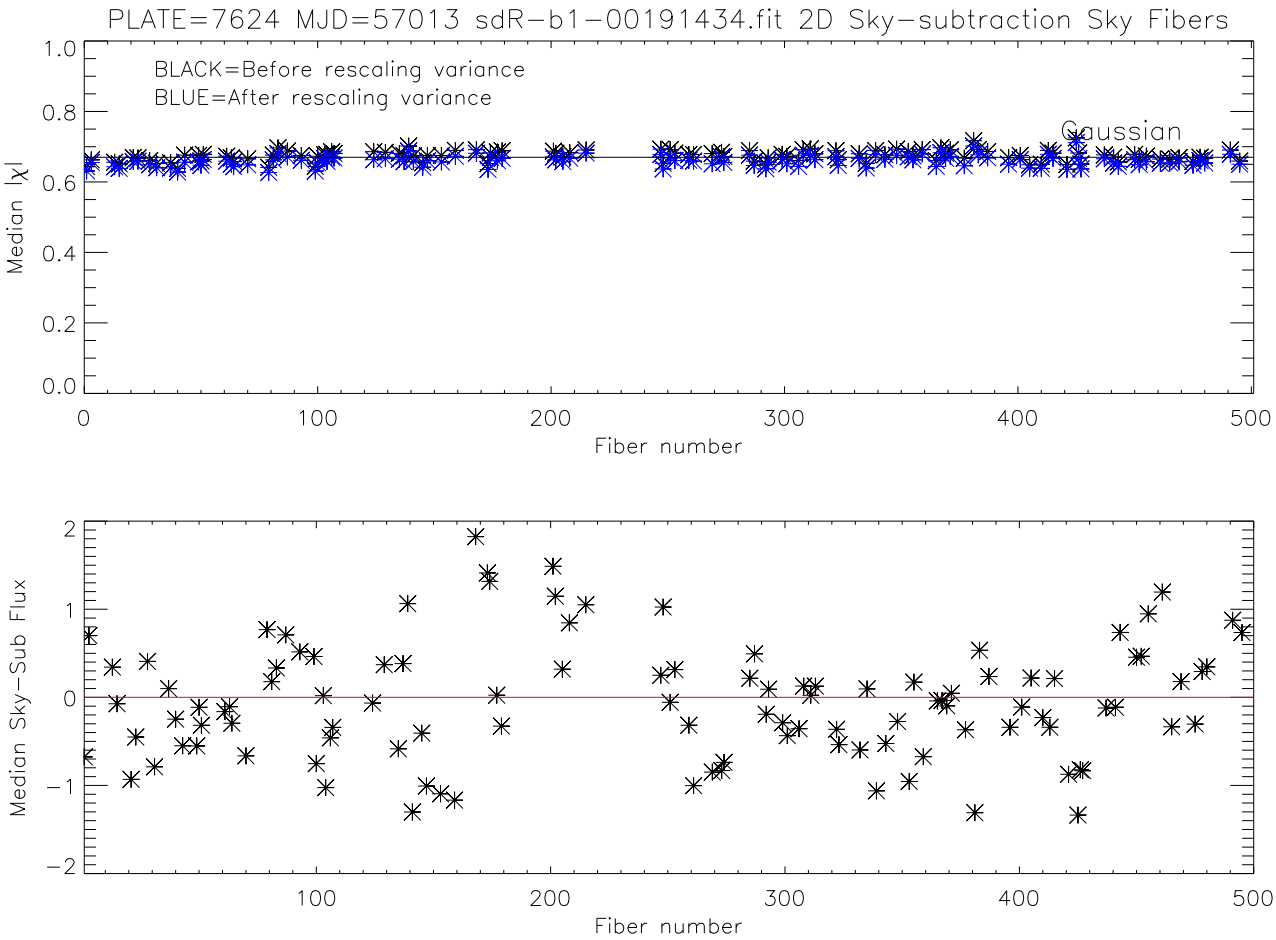

PLATE=7624 MJD=57013 sdR-b1-00191434.fit 1D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

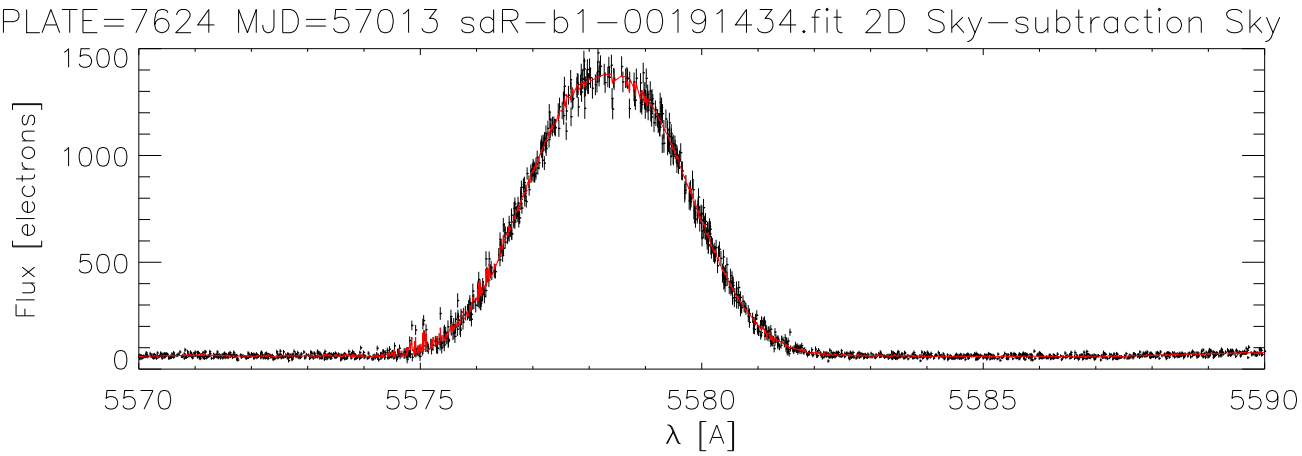

PLATE=7624 MJD=57013 sdR-b1-00191434.fit 1D Sky-subtraction Sky Fibers
Flux [electrons]
1500
1000
500
0
5570
5575
5580
5585
5590
λ [A]

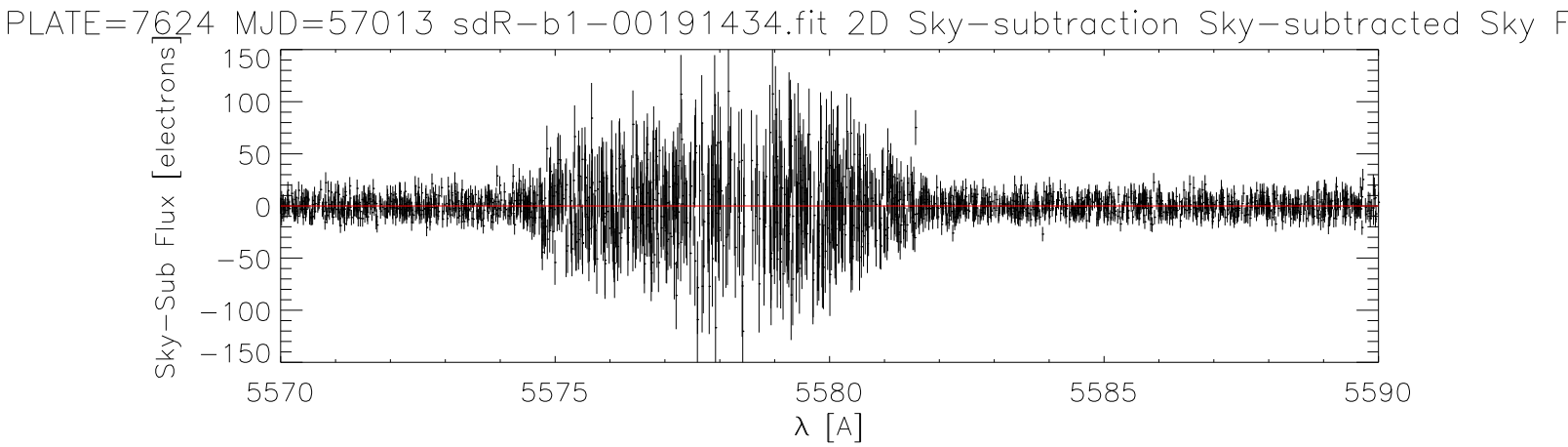

PLATE=7624 MJD=57013 sdR-b1-00191434.fit 1D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
150
100
50
0
-50
-100
-150
5570
5575
5580
5585
5590
λ [A]

Number of sky fibers = 110

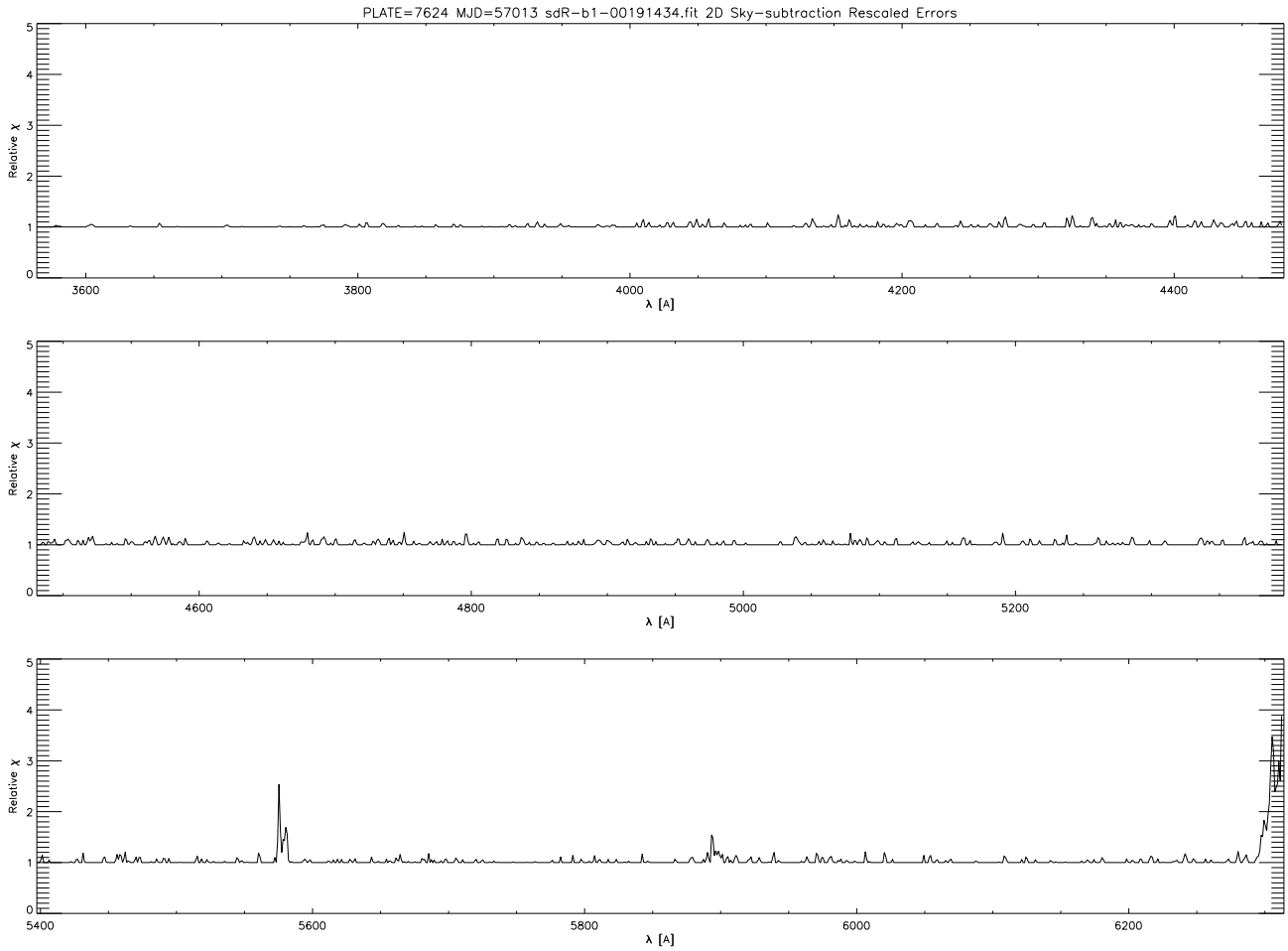


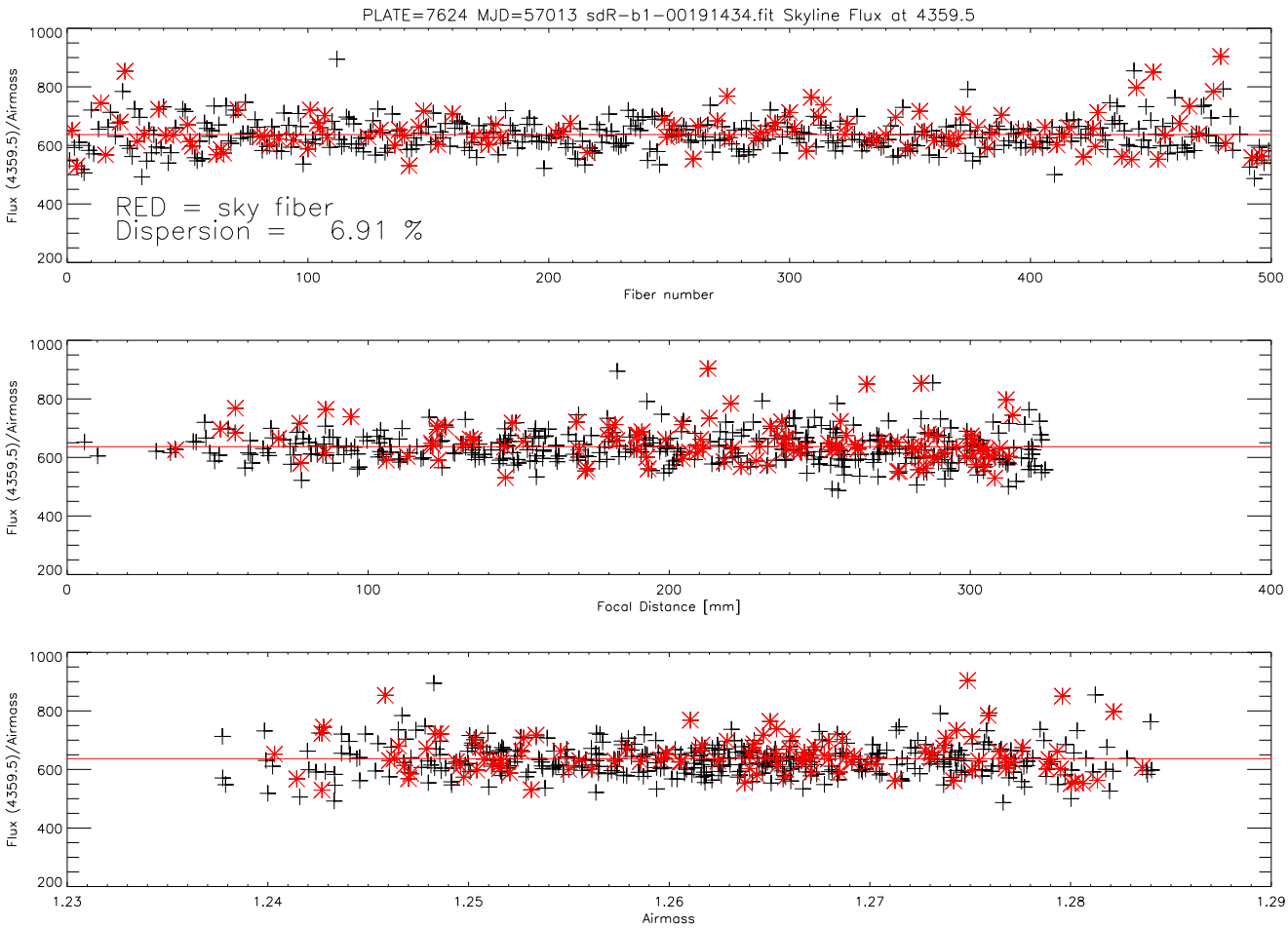

PLATE=7624 MJD=57013 sdR-b1-00191434.fit 2D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

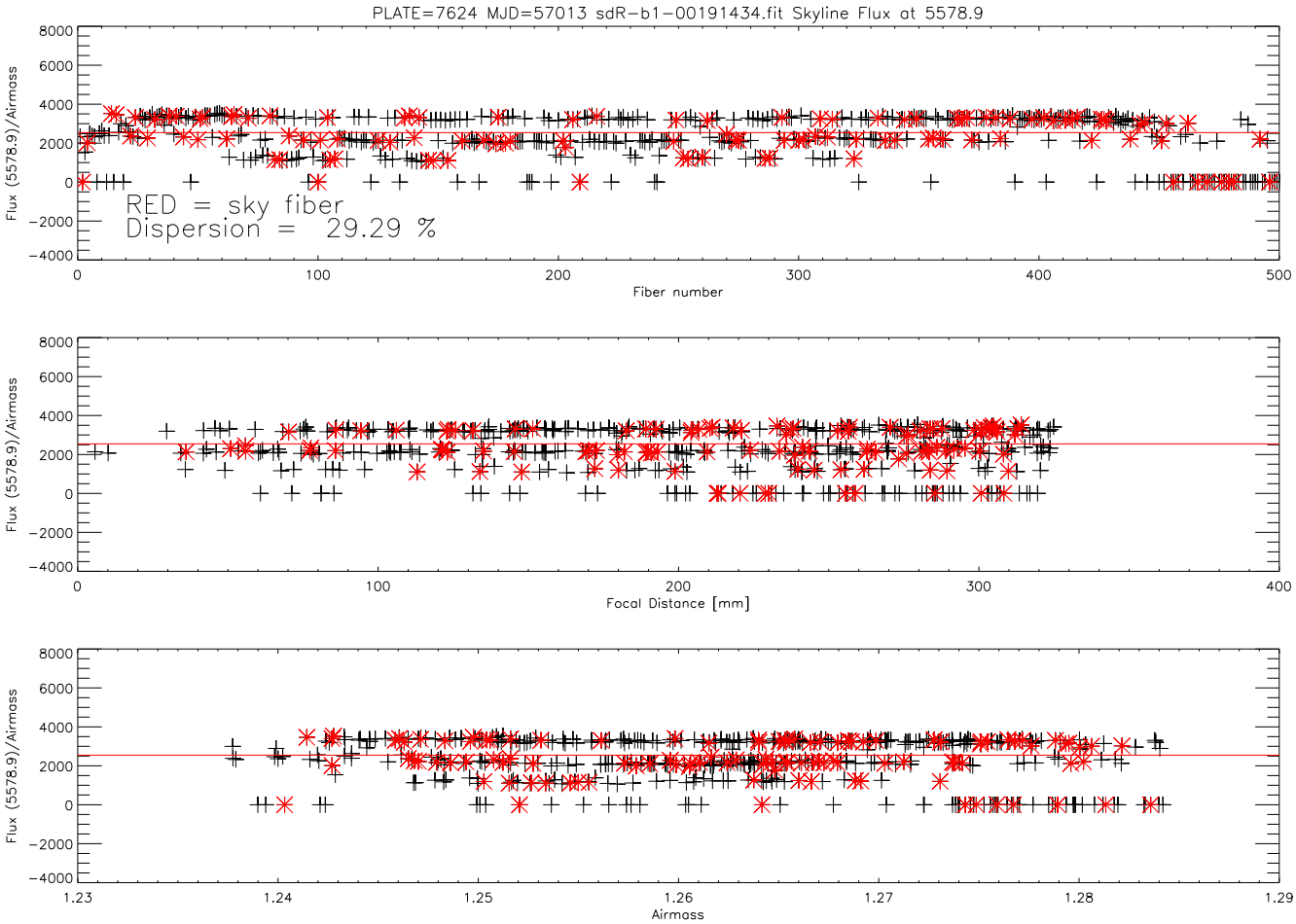

PLATE=7624 MJD=57013 sdR-b1-00191434.fit 2D Sky-subtraction Sky Fibers
Flux [electrons]
1500
1000
500
0
5570
5575
5580
5585
5590
λ [A]

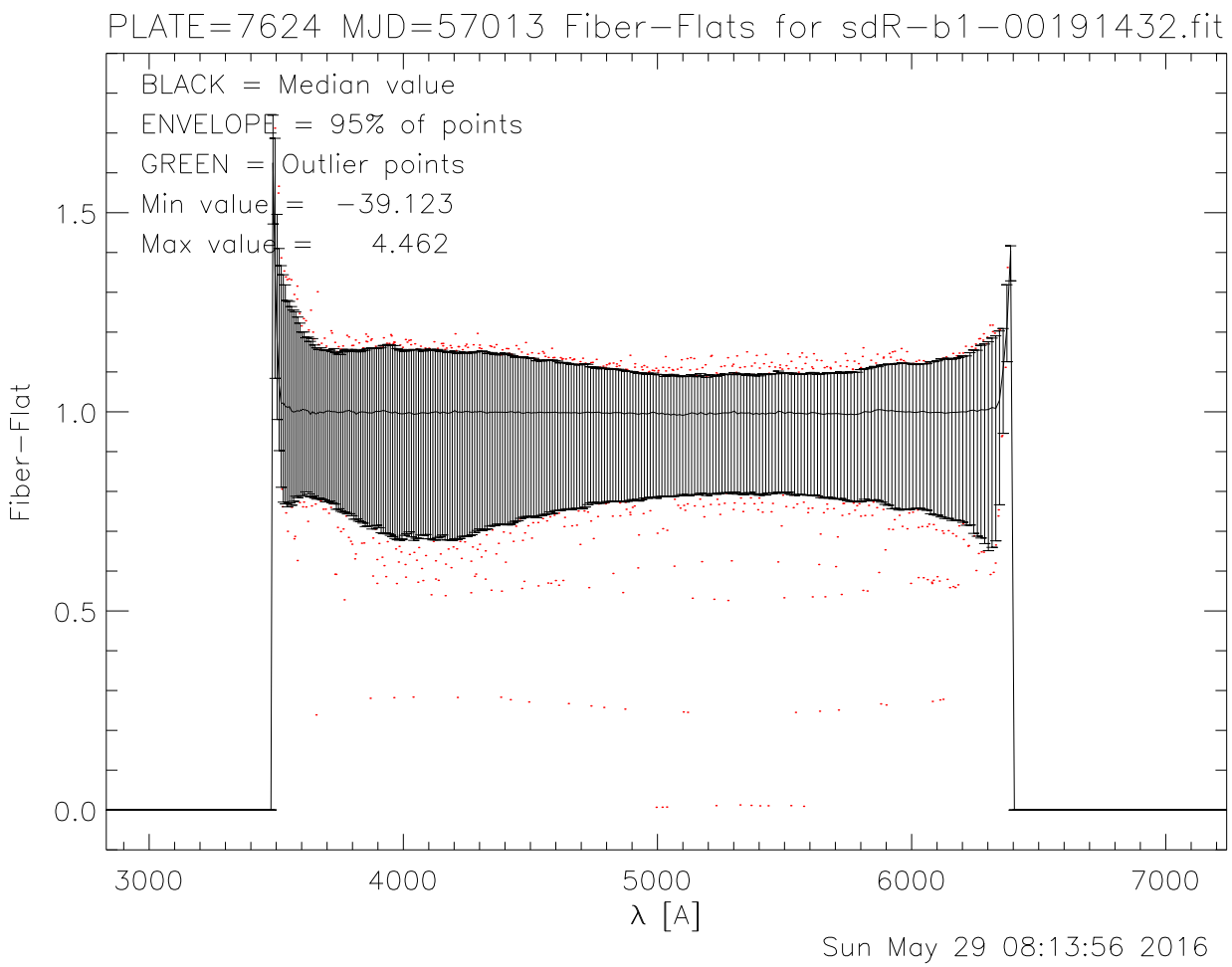

PLATE=7624 MJD=57013 sdR-b1-00191434.fit 2D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
150
100
50
0
−50
−100
−150
5570
5575
5580
5585
5590
λ [A]

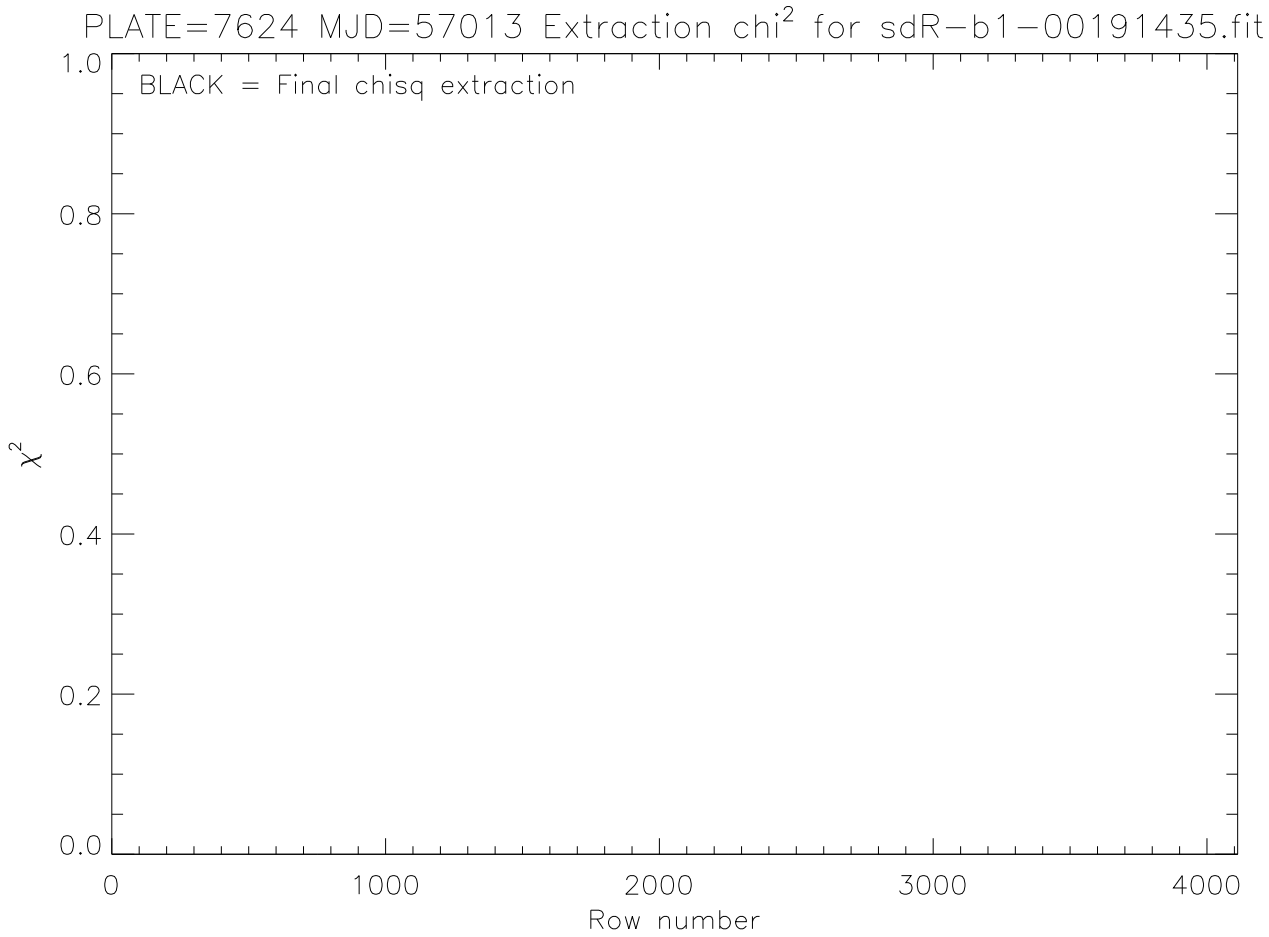
Number of sky fibers = 110

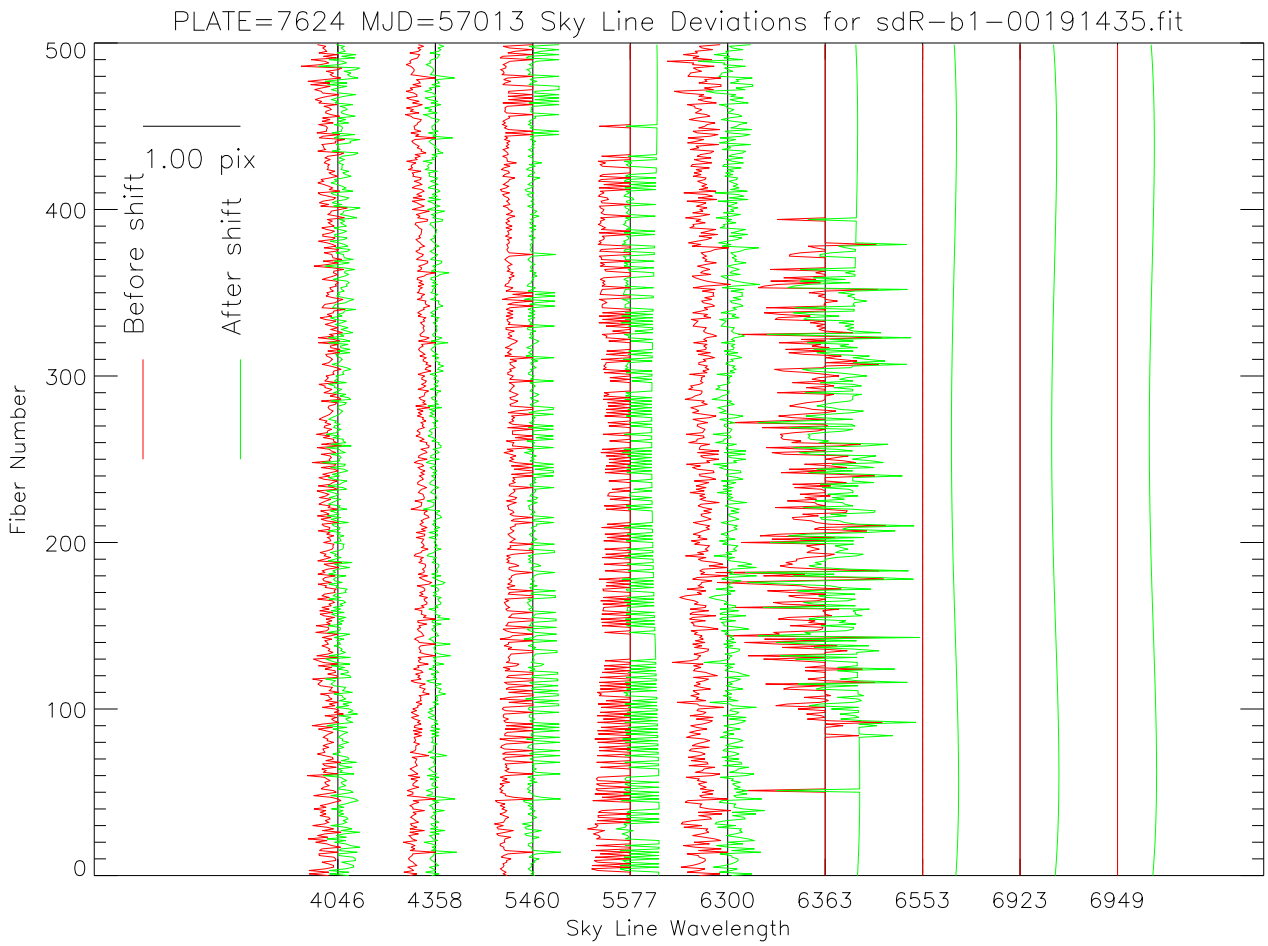


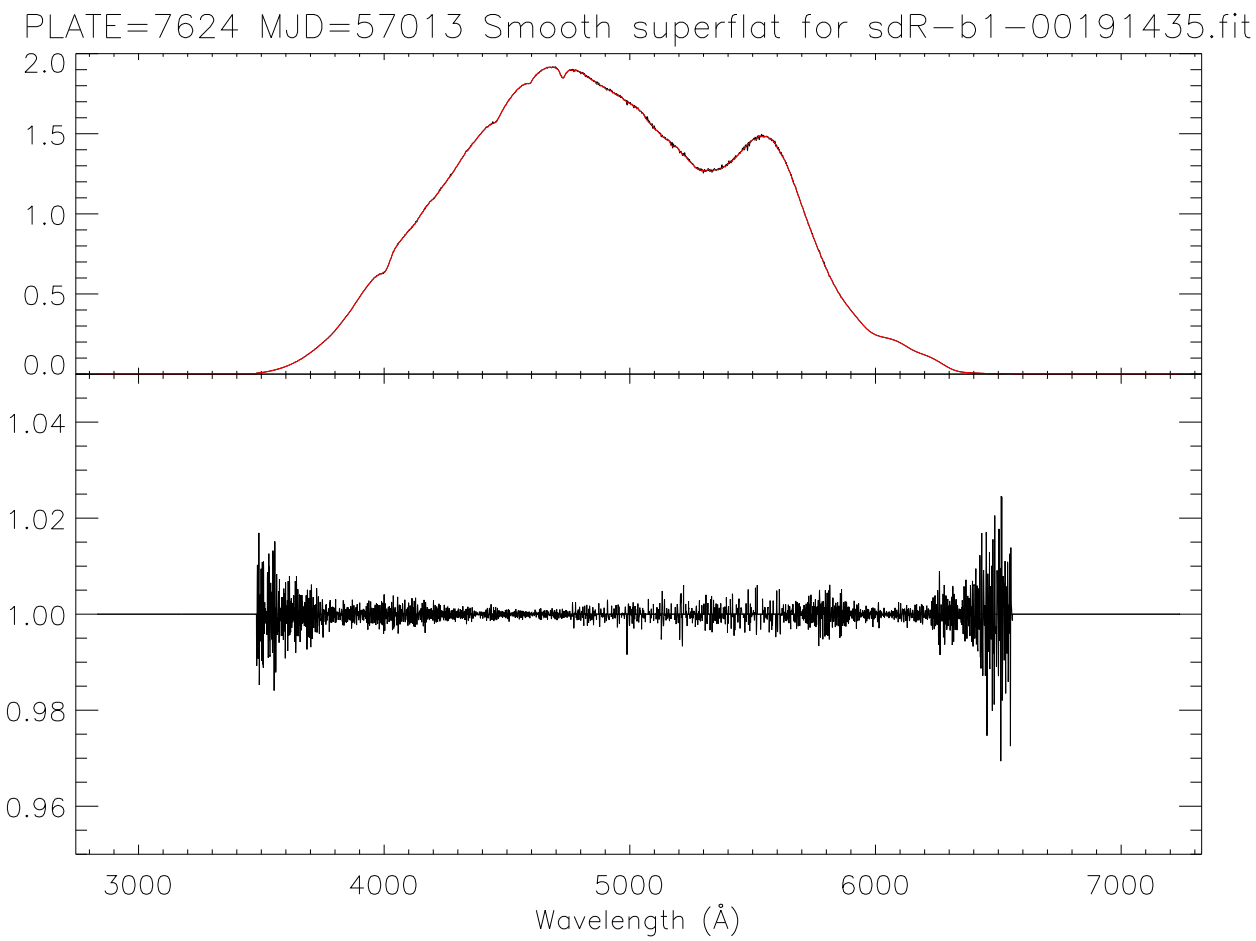

PLATE=7624 MJD=57013 sdR-b1-00191434.fit Skyline Flux at 4359.5
Flux (4359.5)/Airmass
RED = sky fiber
Dispersion = 6.91 %
Fiber number
Focal Distance [mm]
Airmass

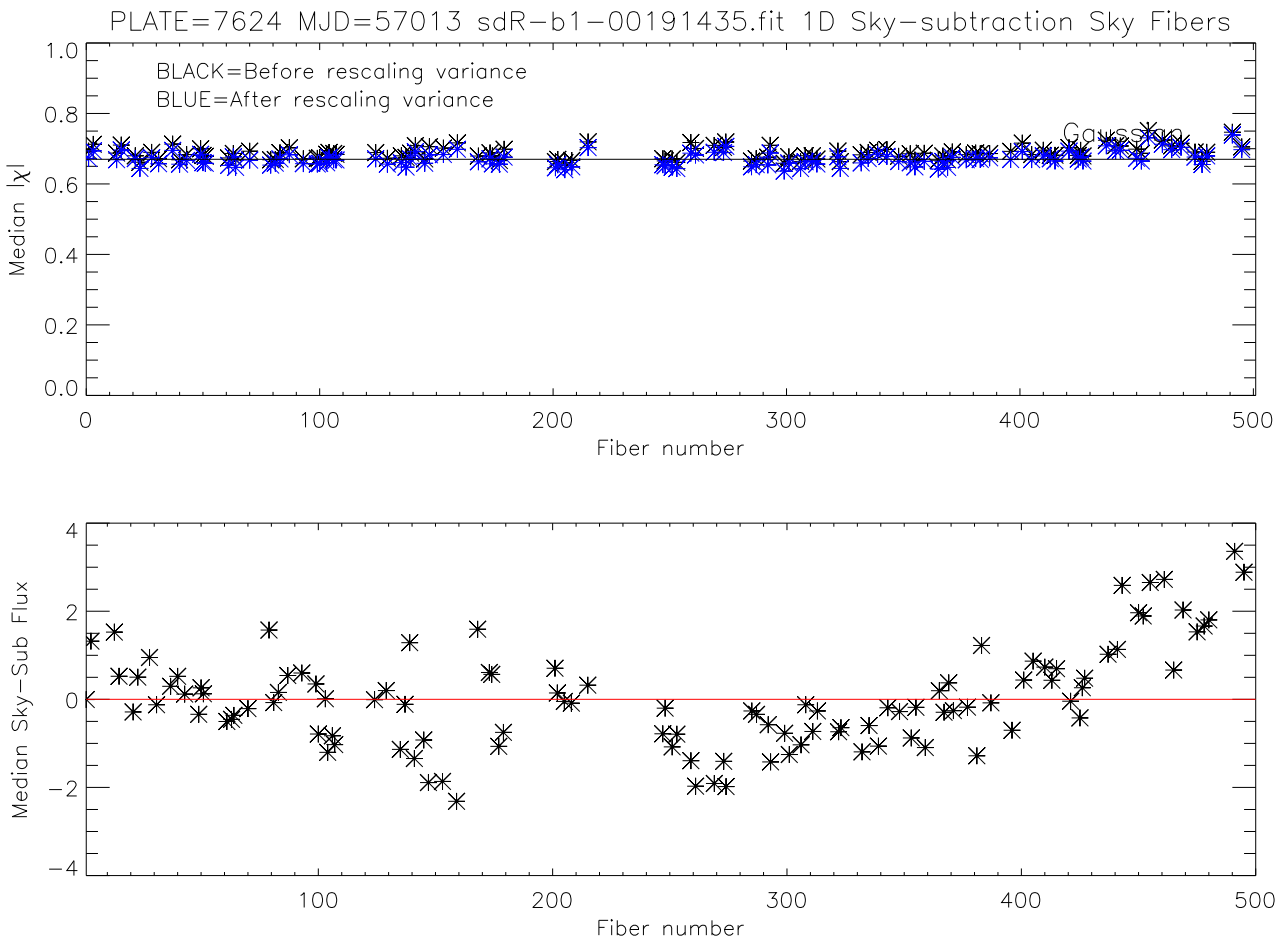

PLATE=7624 MJD=57013 sdR-b1-00191434.fit Skyline Flux at 5578.9
Flux (5578.9)/Airmass
RED = sky fiber
Dispersion = 29.29 %
Fiber number
Flux (5578.9)/Airmass
Focal Distance [mm]
Flux (5578.9)/Airmass
Airmass

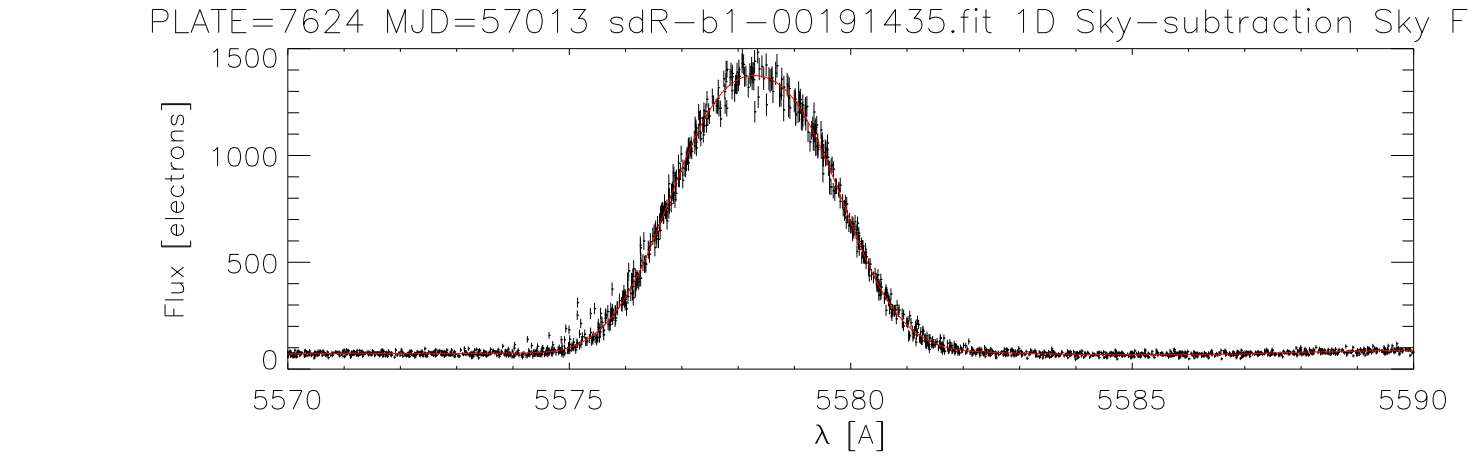

PLATE=7624 MJD=57013 Fiber-Flats for sdR-b1-00191432.fit
BLACK = Median value
ENVELOPE = 95% of points
GREEN = Outlier points
Min value = -39.123
Max value = 4.462
Fiber-Flat
1.5
1.0
0.5
0.0
3000
4000
5000
6000
7000
λ [A]
Sun May 29 08:13:56 2016

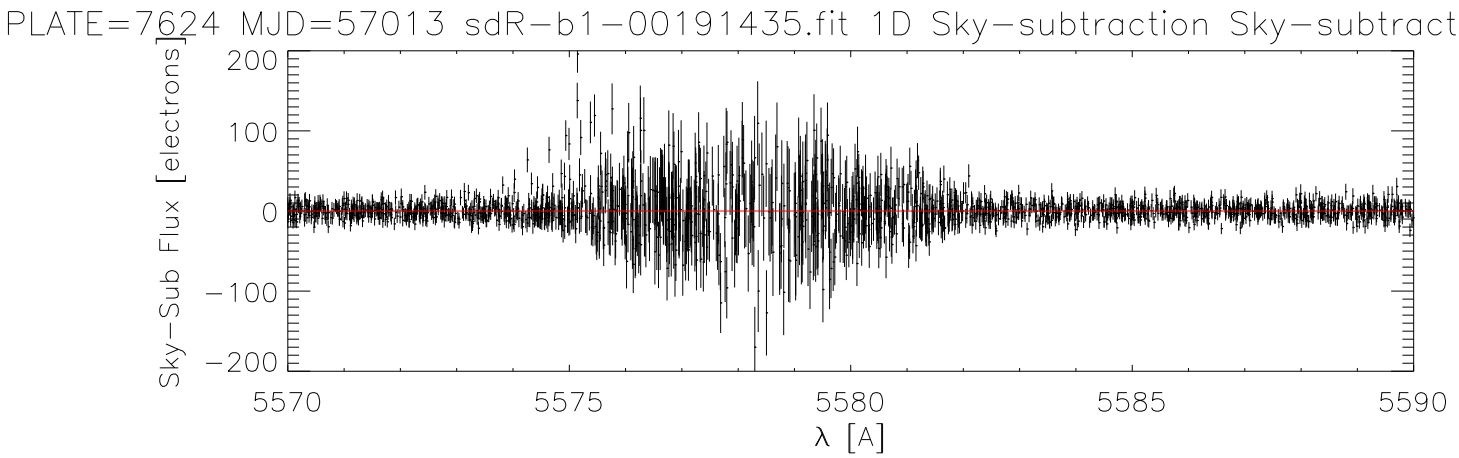

PLATE=7624 MJD=57013 Extraction chi$^2$ for sdR-b1-00191435.fit
BLACK = Final chisq extraction
$\chi^2$
1.0
0.8
0.6
0.4
0.2
0.0
0
1000
2000
3000
4000
Row number


PLATE=7624 MJD=57013 Sky Line Deviations for sdR-b1-00191435.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

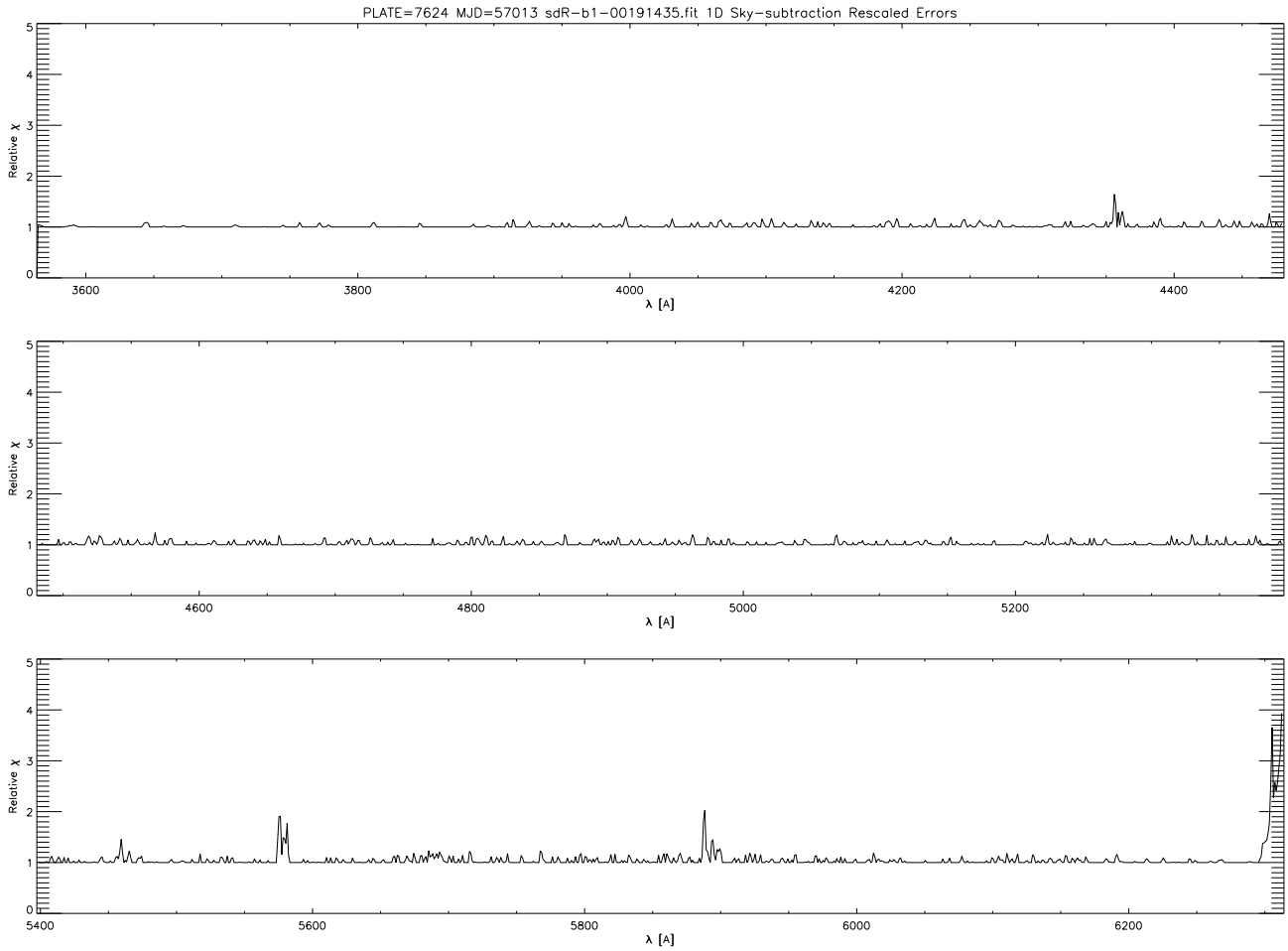

PLATE=7624 MJD=57013 Smooth superflat for sdR-b1-00191435.fit
2.0
1.5
1.0
0.5
0.0
1.04
1.02
1.00
0.98
0.96
3000
4000
5000
6000
7000
Wavelength (Å)

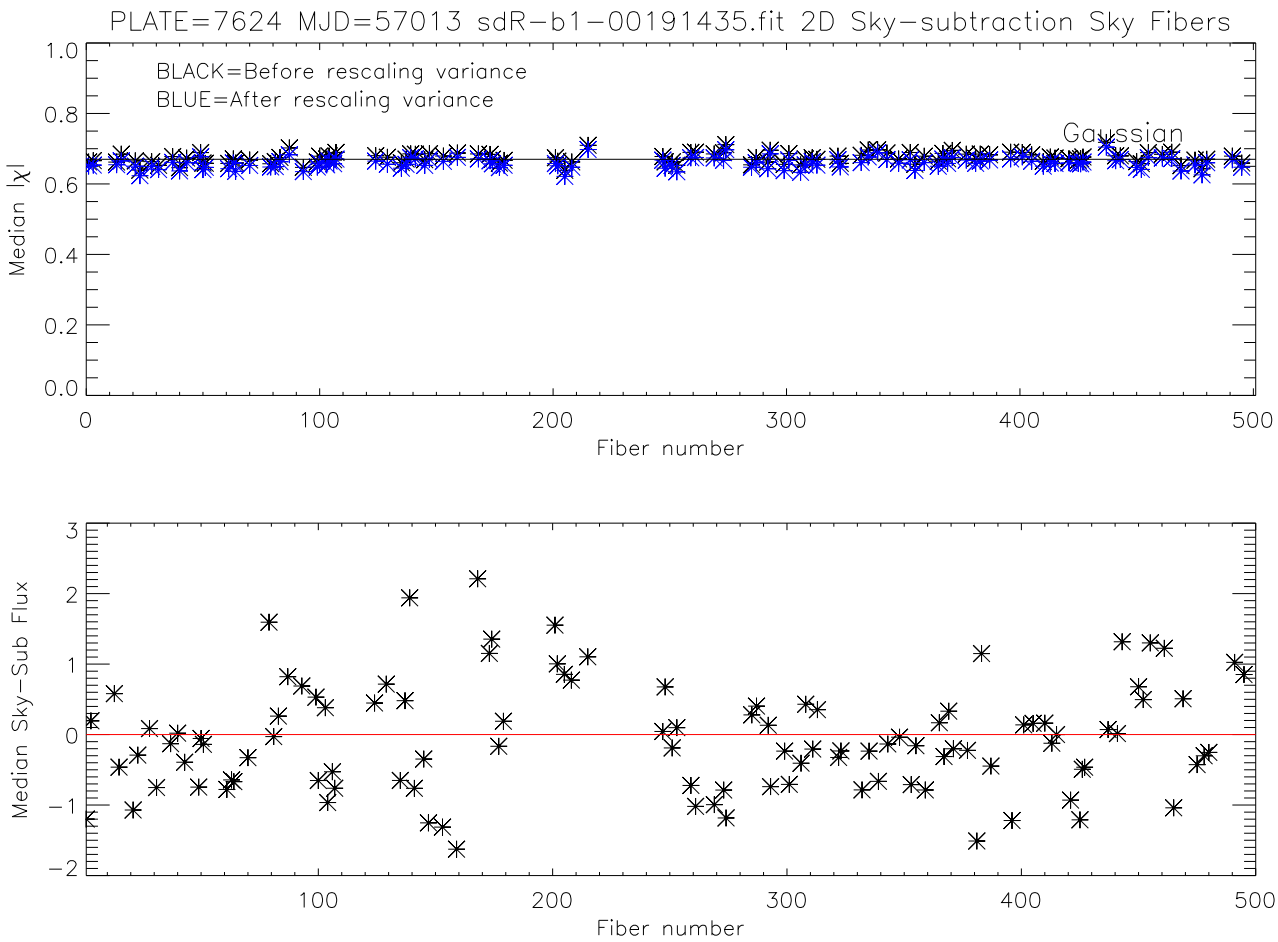

PLATE=7624 MJD=57013 sdR-b1-00191435.fit 1D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

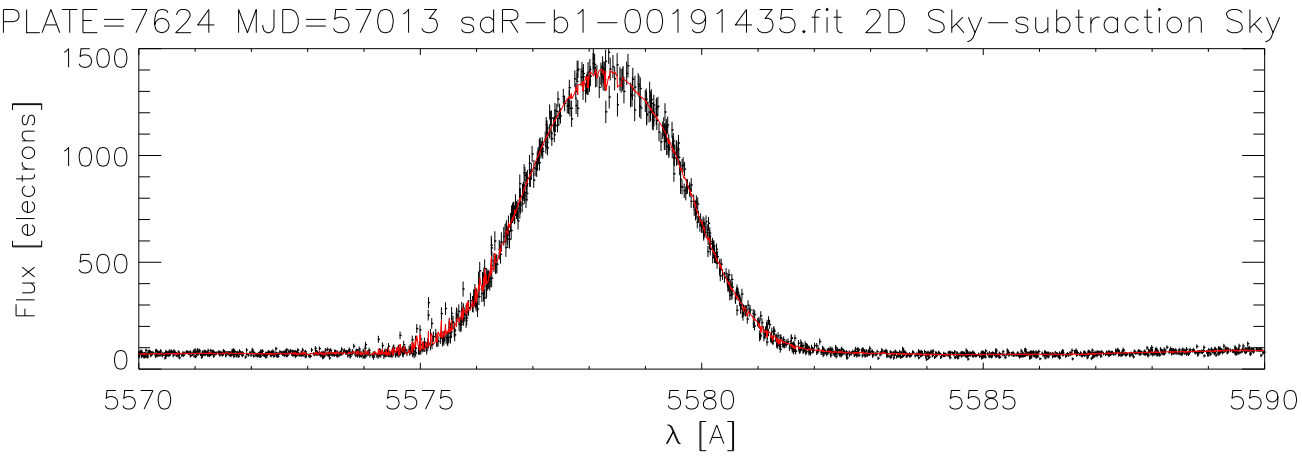

PLATE=7624 MJD=57013 sdR-b1-00191435.fit 1D Sky-subtraction Sky Fibers
Flux [electrons]
1500
1000
500
0
5570
5575
5580
5585
5590
λ [A]

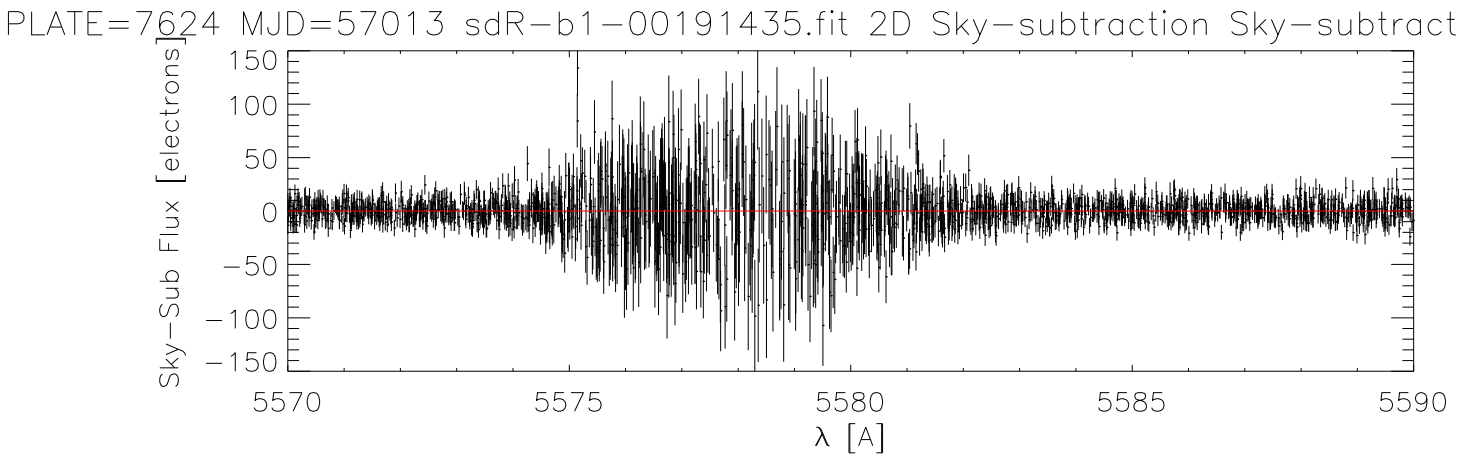

PLATE=7624 MJD=57013 sdR-b1-00191435.fit 1D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
200
100
0
-100
-200
5570
5575
5580
5585
5590
λ [A]

Number of sky fibers = 110

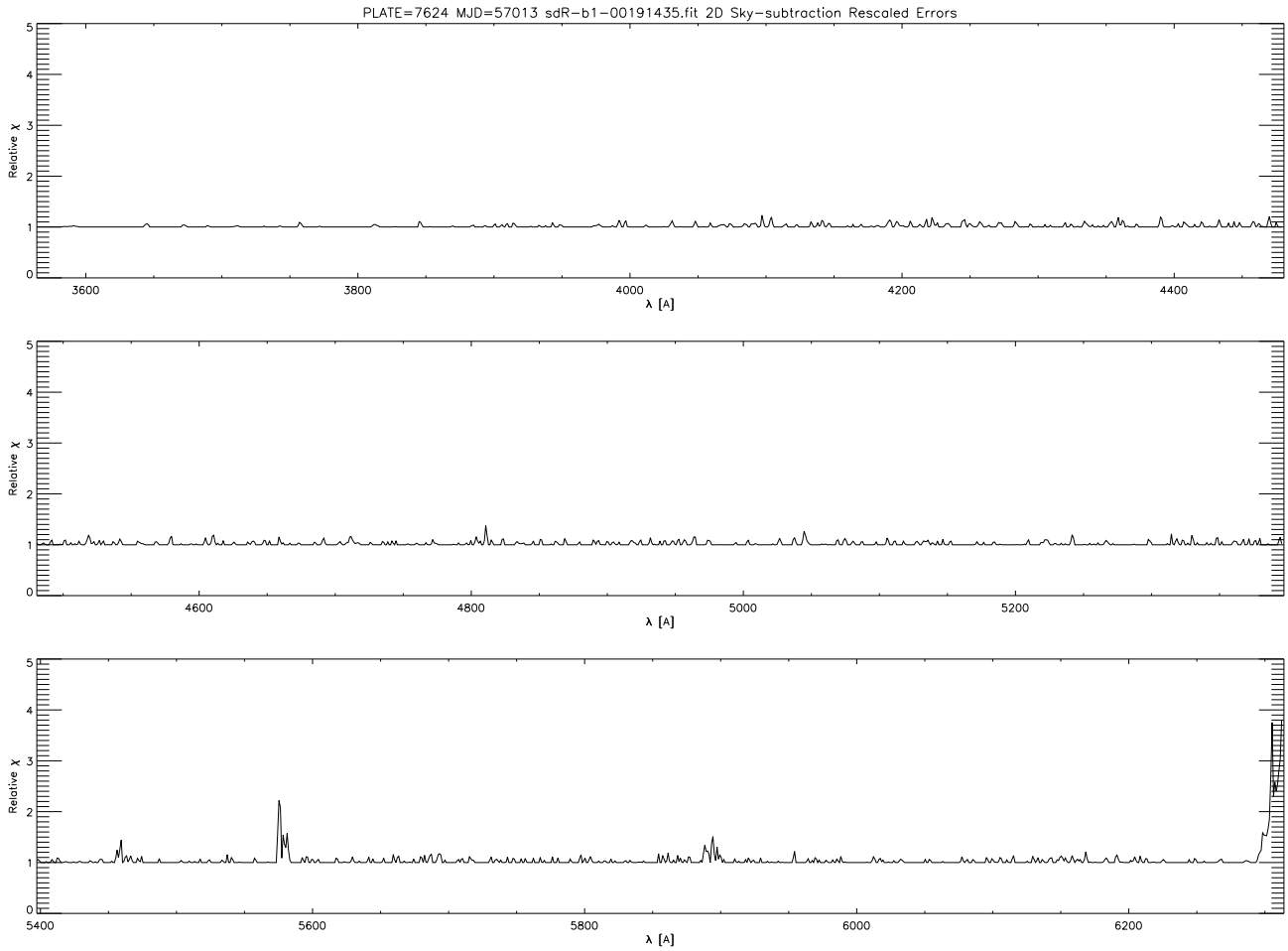


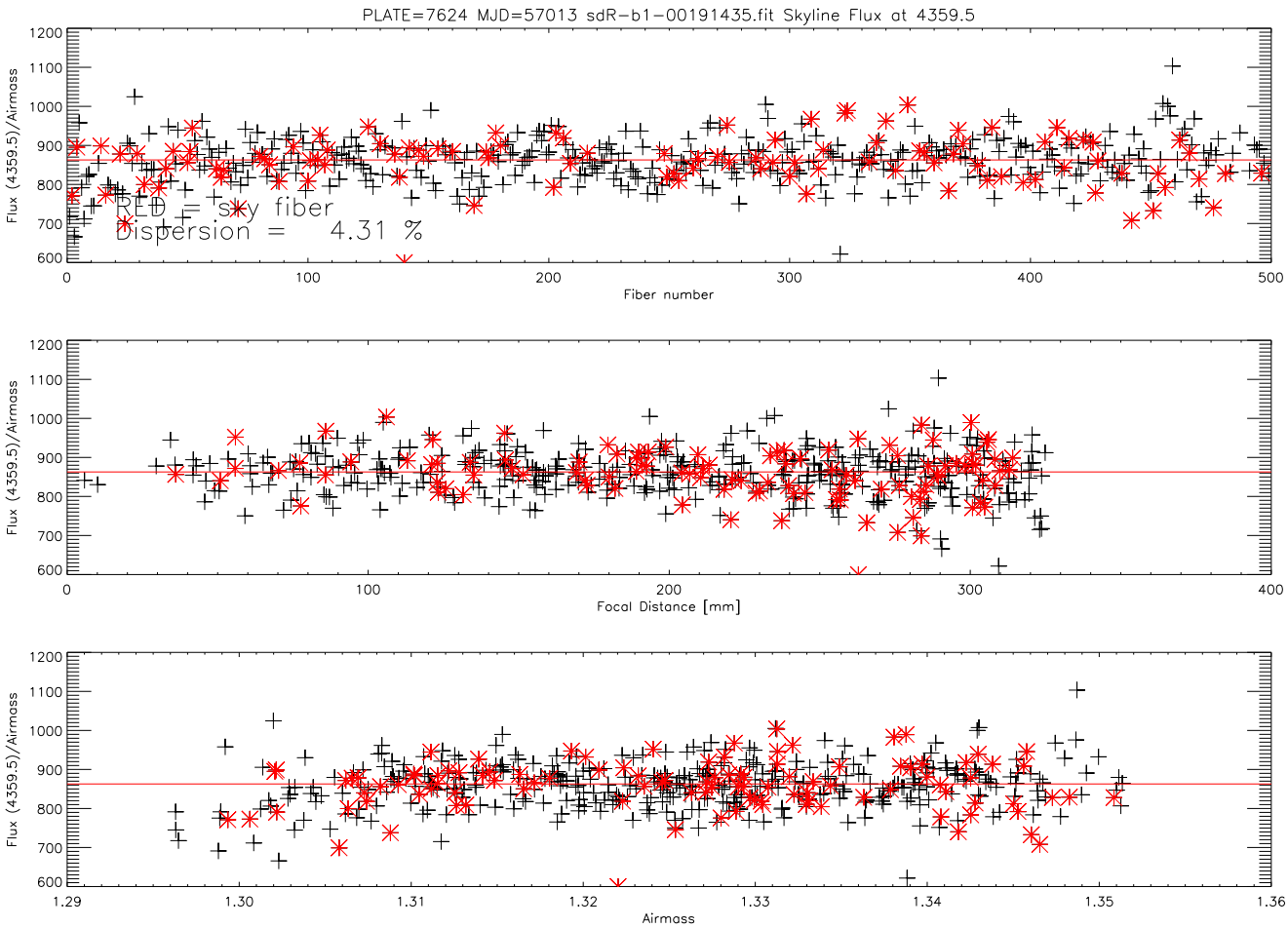

PLATE=7624 MJD=57013 sdR-b1-00191435.fit 2D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

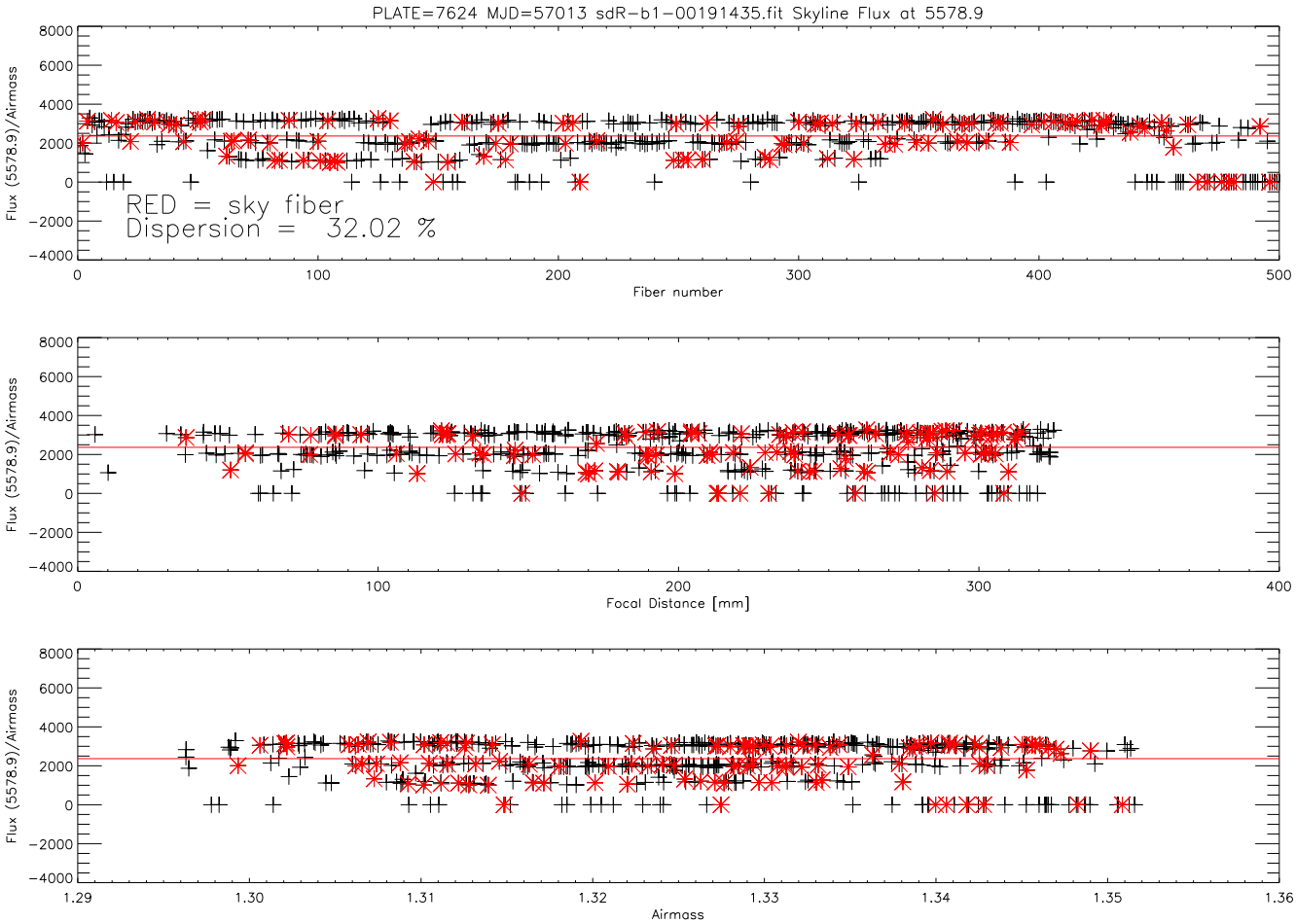

PLATE=7624 MJD=57013 sdR-b1-00191435.fit 2D Sky-subtraction Sky Fibers
Flux [electrons]
1500
1000
500
0
5570
5575
5580
5585
5590
λ [A]

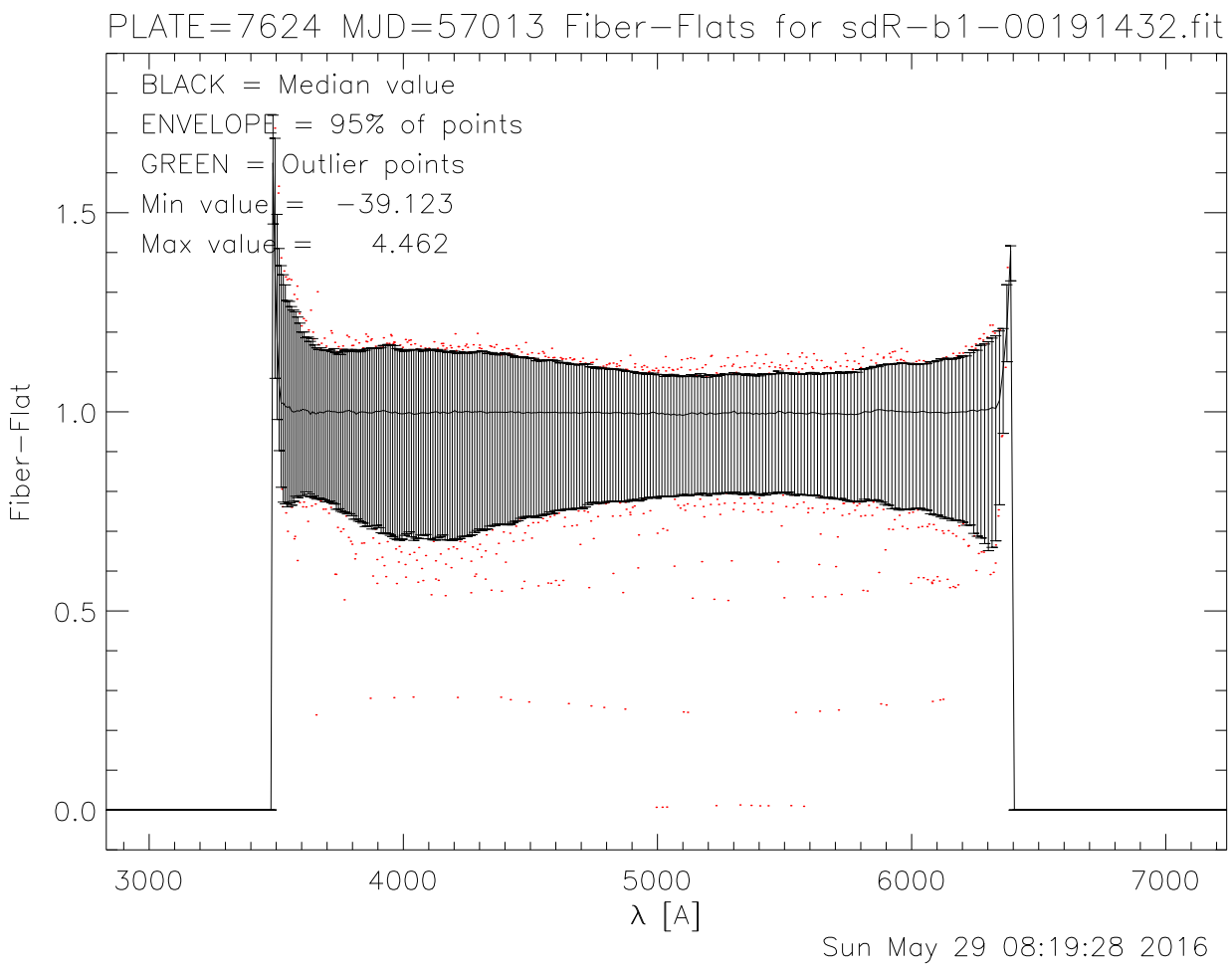

PLATE=7624 MJD=57013 sdR-b1-00191435.fit 2D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
150
100
50
0
−50
−100
−150
5570
5575
5580
5585
5590
λ [A]

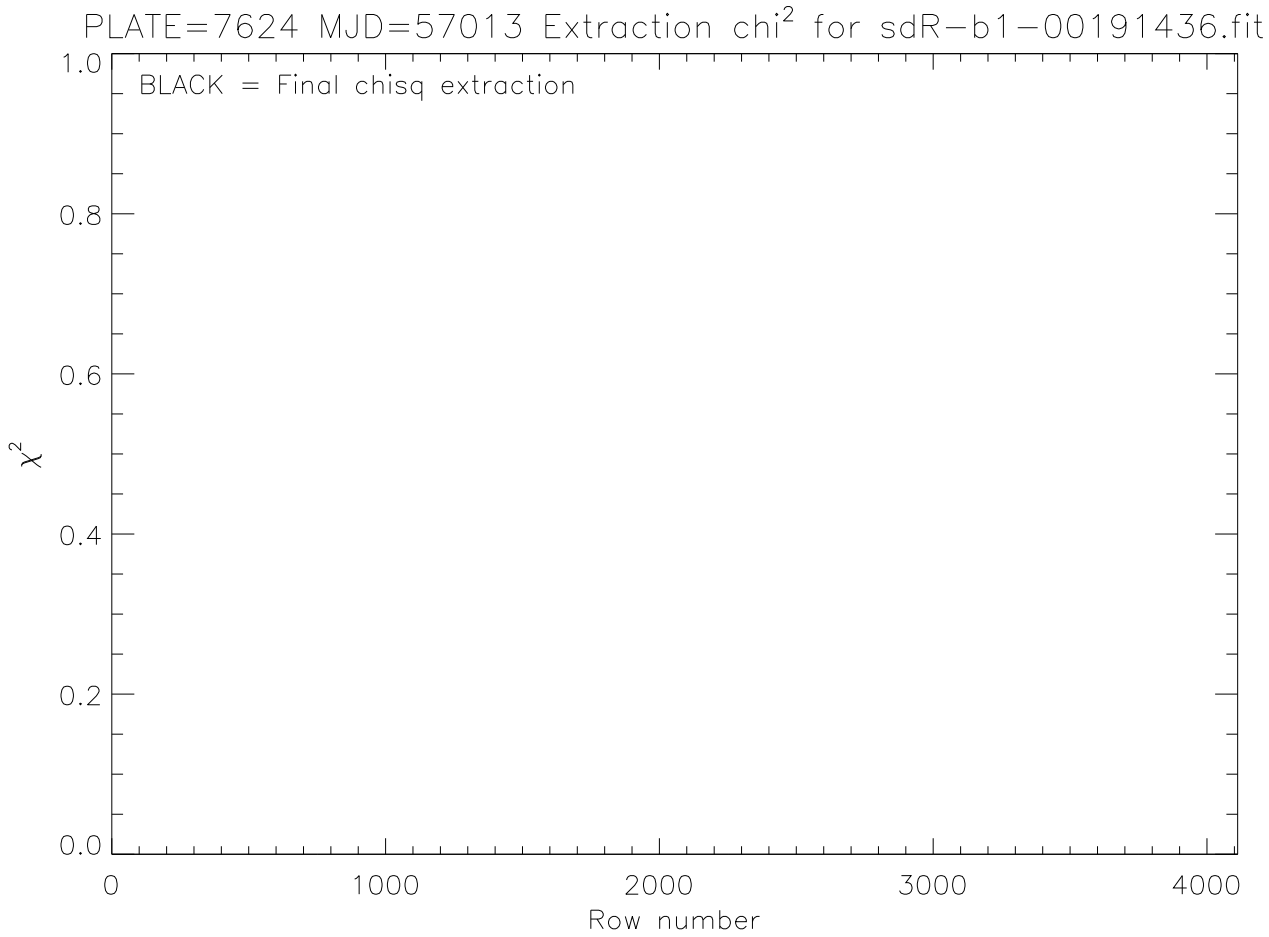
Number of sky fibers = 110

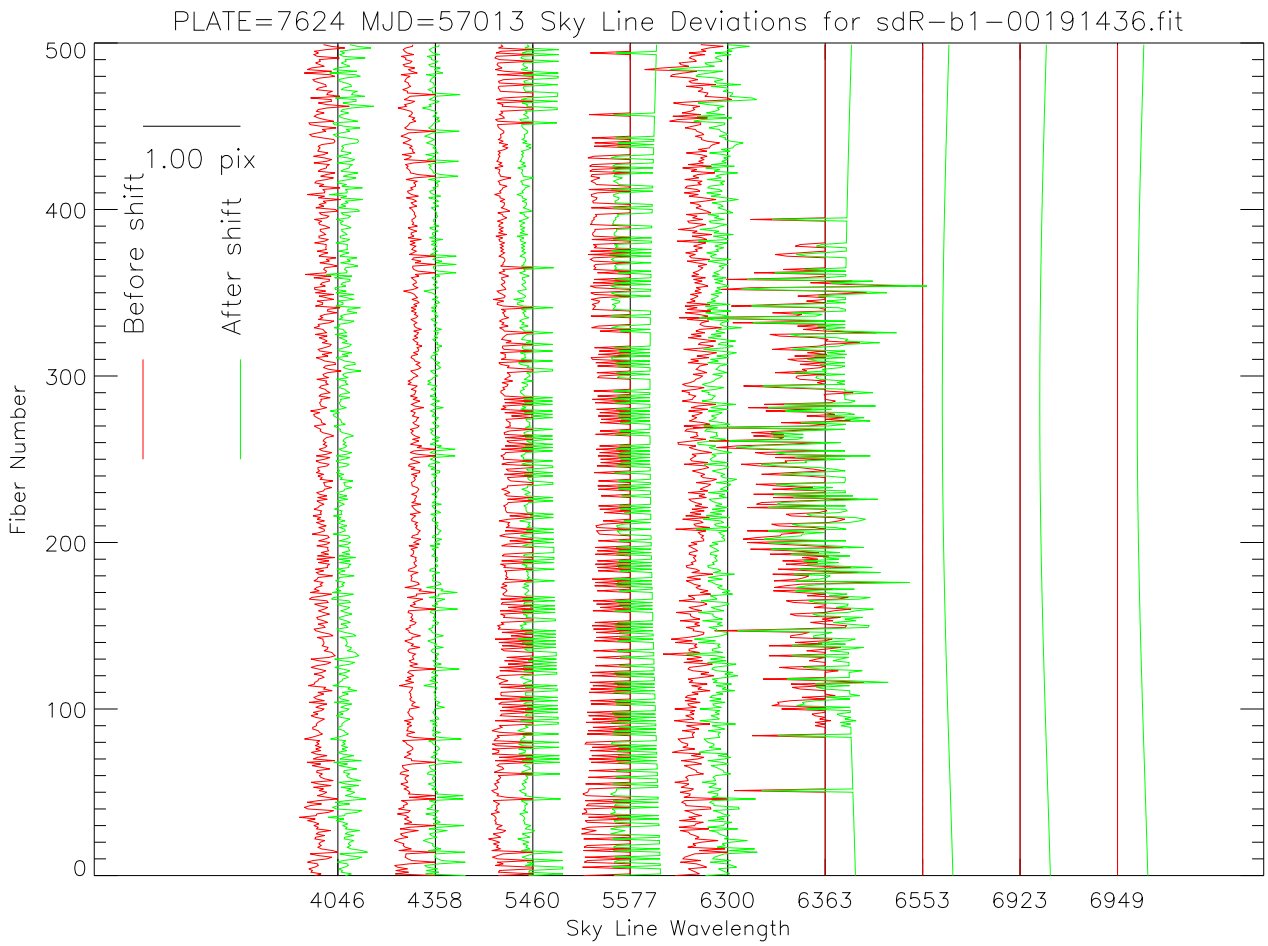


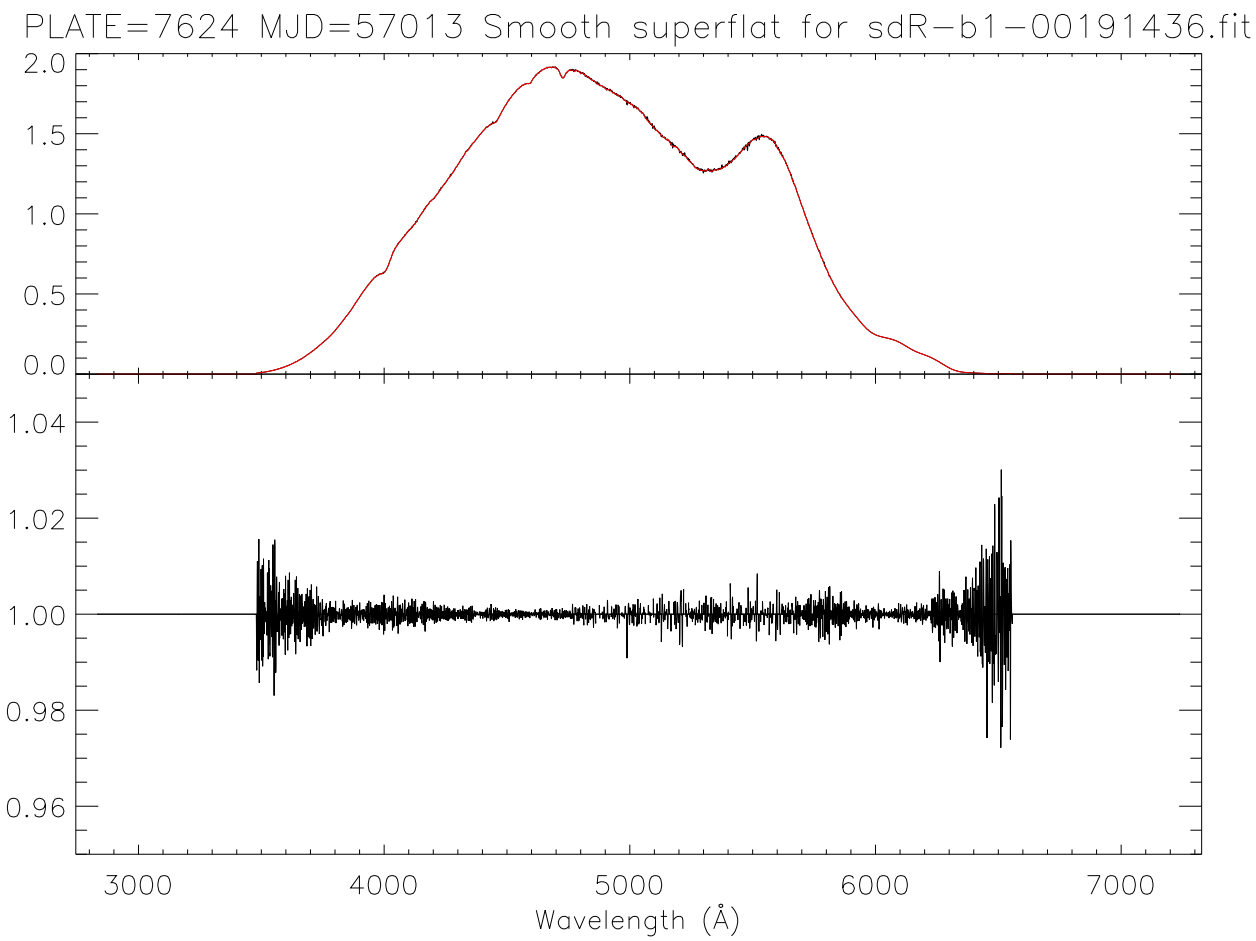

PLATE=7624 MJD=57013 sdR-b1-00191435.fit Skyline Flux at 4359.5
RED = sky fiber
Dispersion = 4.31 %
Flux (4359.5)/Airmass
Fiber number
Focal Distance [mm]
Airmass

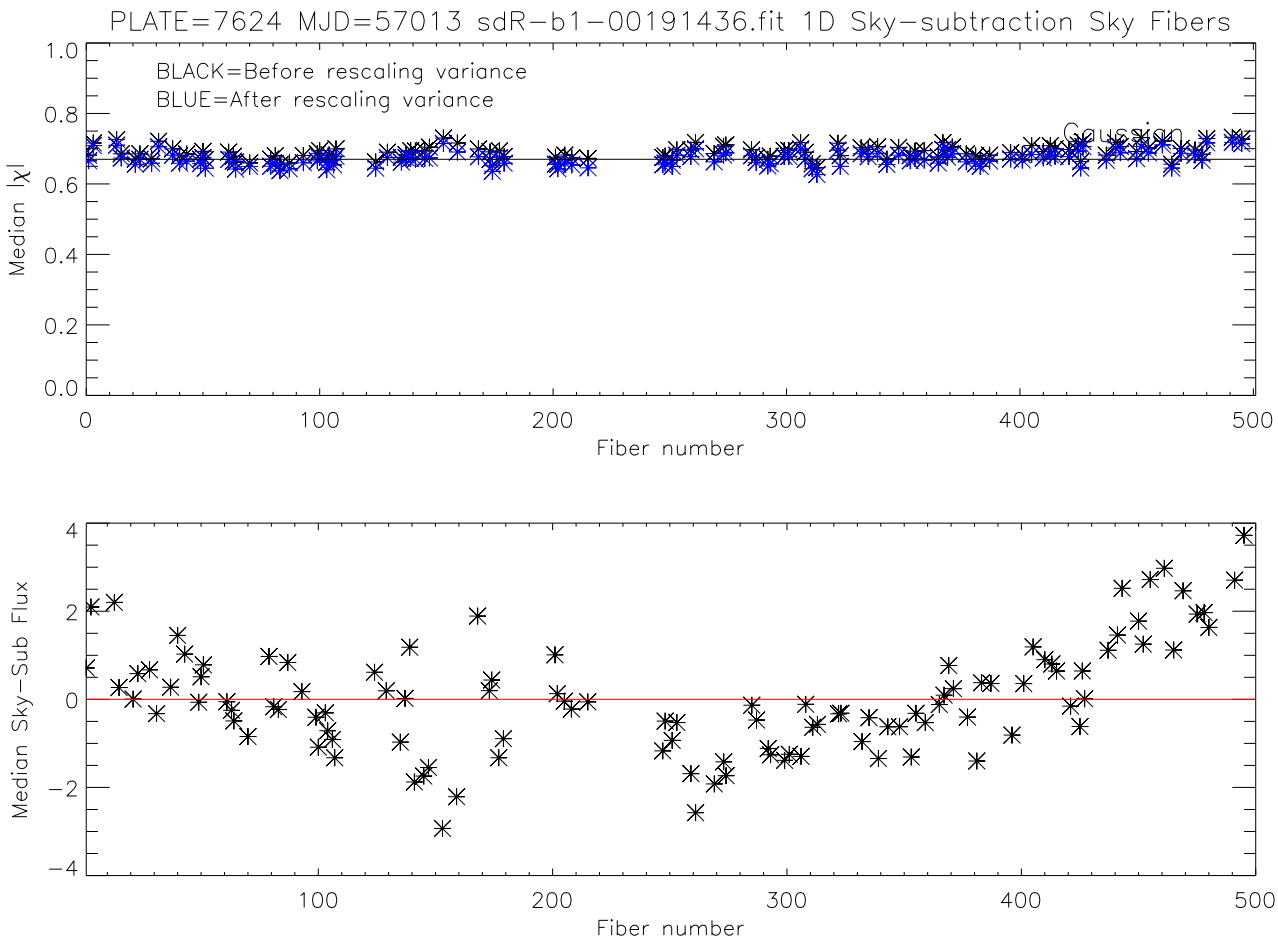

PLATE=7624 MJD=57013 sdR-b1-00191435.fit Skyline Flux at 5578.9
Flux (5578.9)/Airmass
RED = sky fiber
Dispersion = 32.02 %
Fiber number
Flux (5578.9)/Airmass
Focal Distance [mm]
Flux (5578.9)/Airmass
Airmass

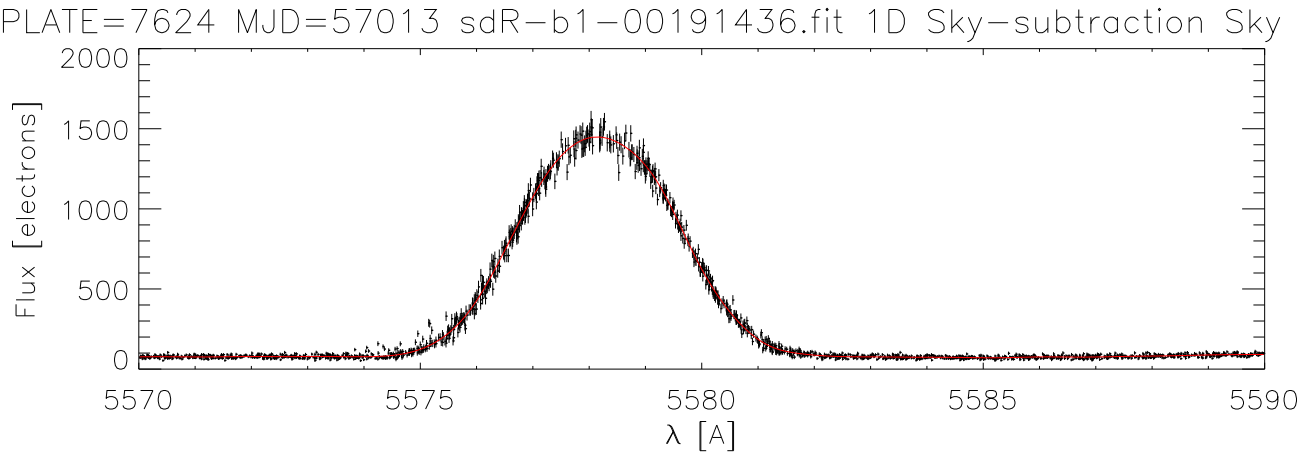

PLATE=7624 MJD=57013 Fiber-Flats for sdR-b1-00191432.fit
BLACK = Median value
ENVELOPE = 95% of points
GREEN = Outlier points
Min value = -39.123
Max value = 4.462
Fiber-Flat
1.5
1.0
0.5
0.0
3000
4000
5000
6000
7000
λ [A]
Sun May 29 08:19:28 2016

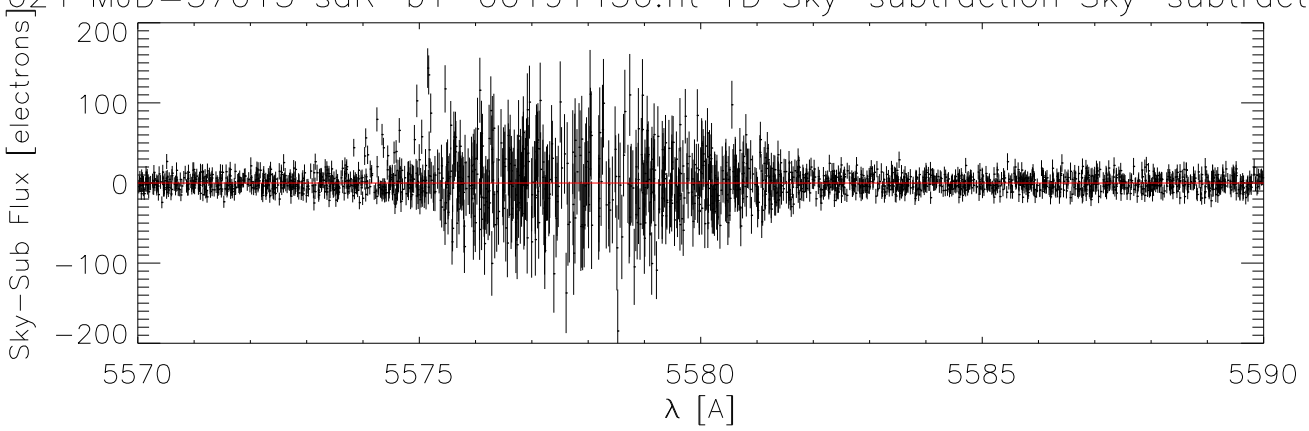

PLATE=7624 MJD=57013 Extraction chi$^2$ for sdR−b1−00191436.fit
BLACK = Final chisq extraction
1.0
0.8
0.6
0.4
0.2
0.0
$\chi^2$
0
1000
2000
3000
4000
Row number


PLATE=7624 MJD=57013 Sky Line Deviations for sdR-b1-00191436.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

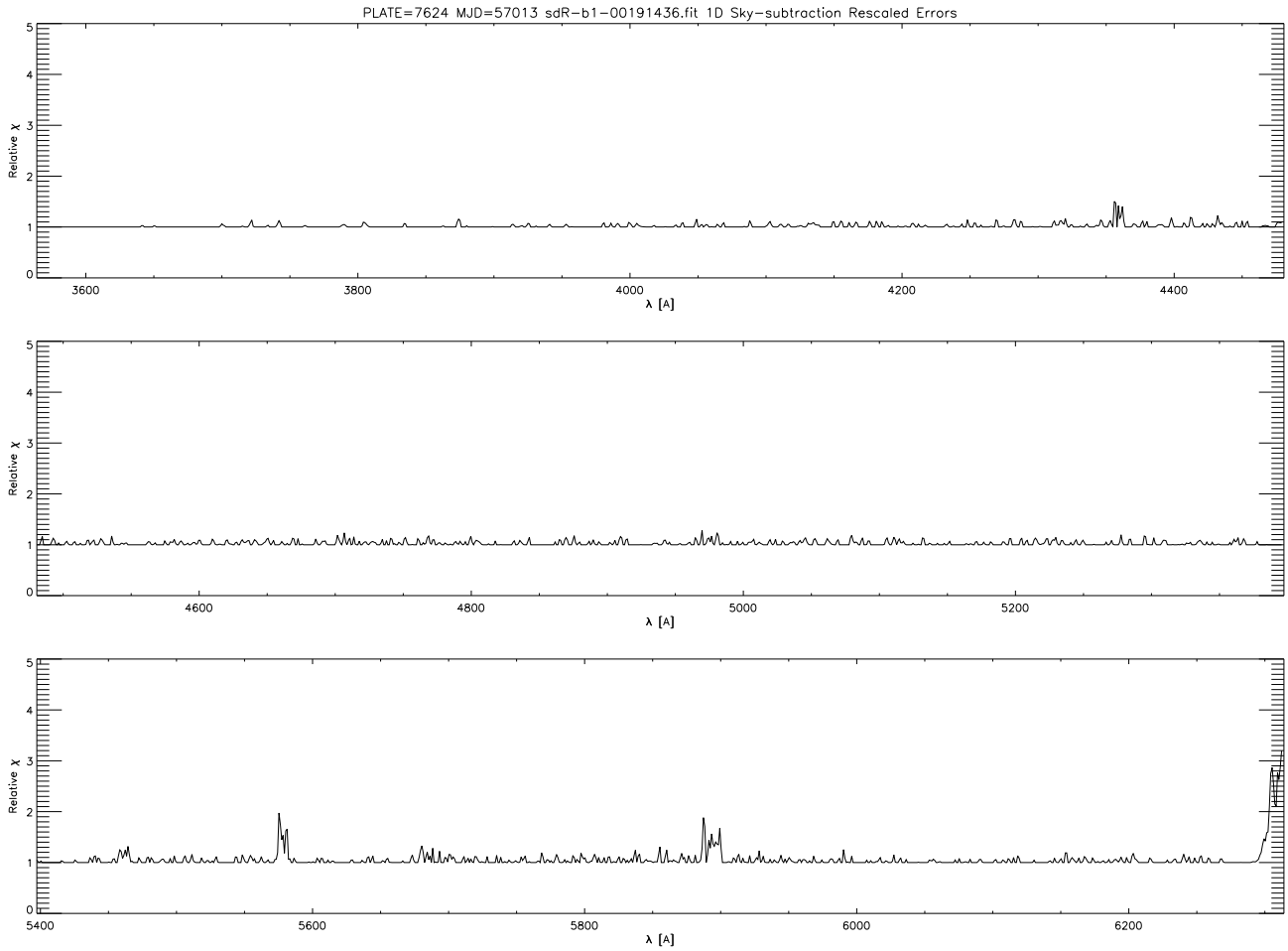

PLATE=7624 MJD=57013 Smooth superflat for sdR-b1-00191436.fit
2.0
1.5
1.0
0.5
0.0
1.04
1.02
1.00
0.98
0.96
3000
4000
5000
6000
7000
Wavelength (Å)

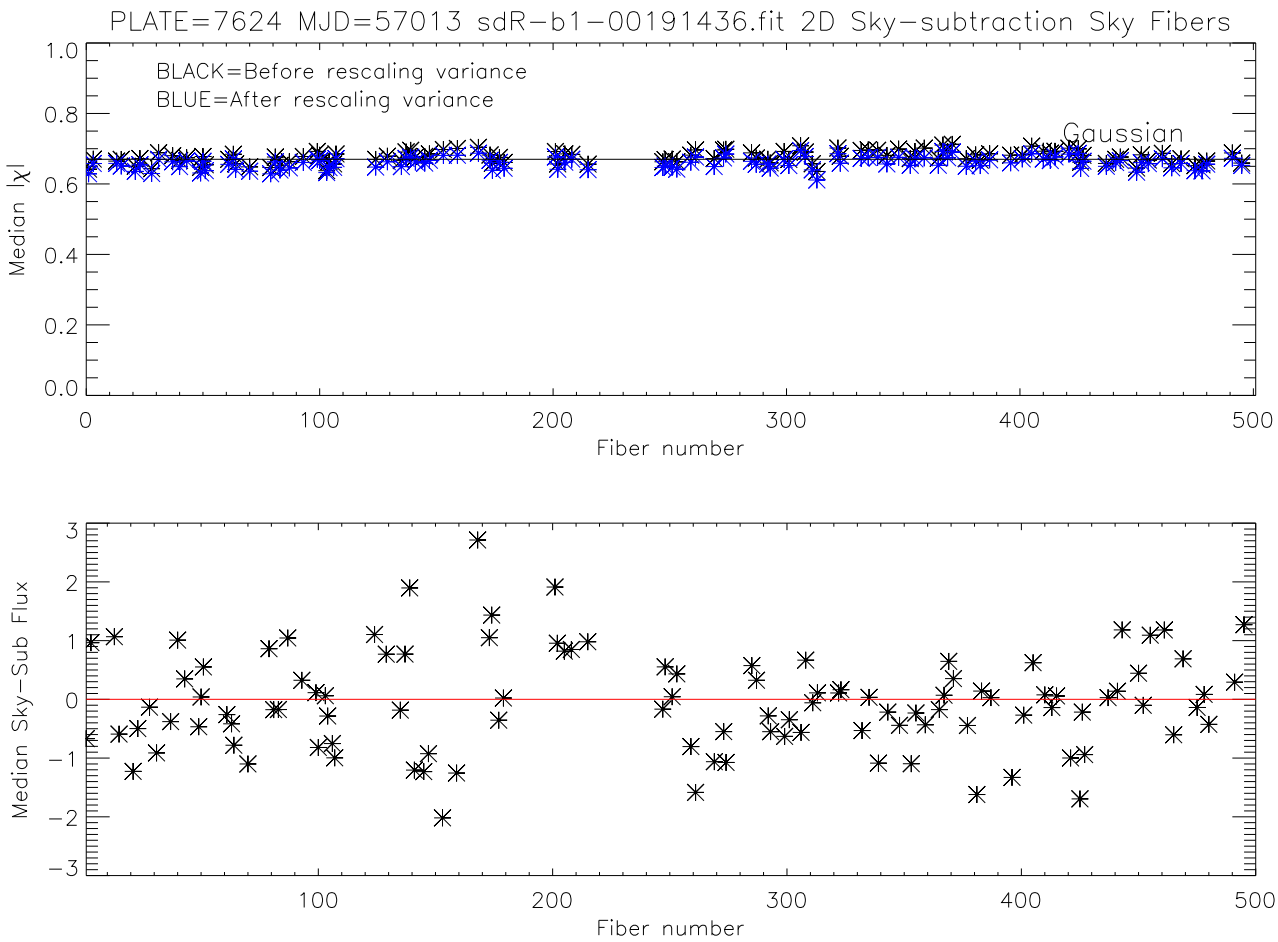

PLATE=7624 MJD=57013 sdR-b1-00191436.fit 1D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

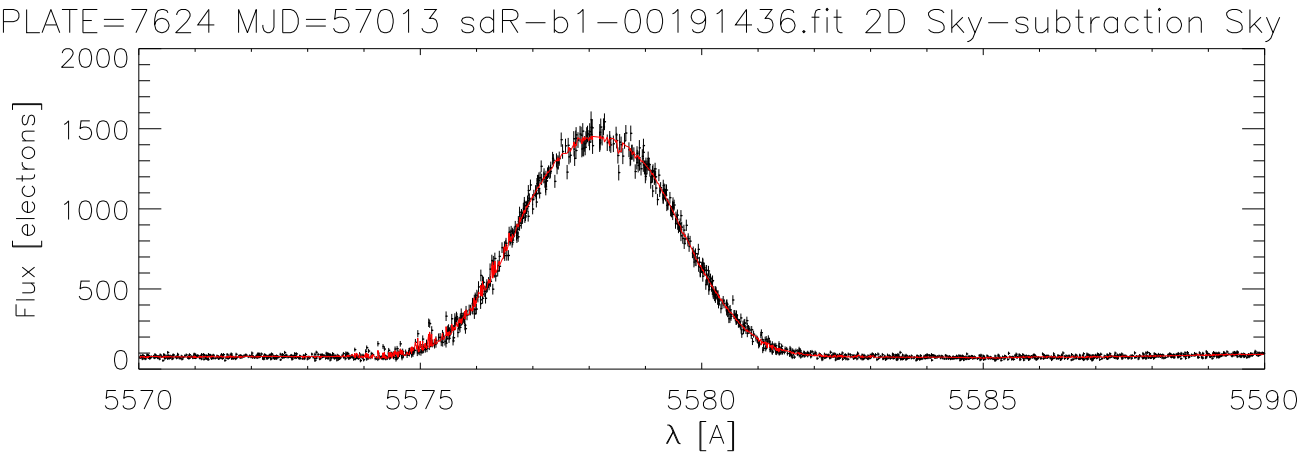

PLATE=7624 MJD=57013 sdR-b1-00191436.fit 1D Sky-subtraction Sky Fibers
Flux [electrons]
2000
1500
1000
500
0
5570
5575
5580
5585
5590
λ [A]

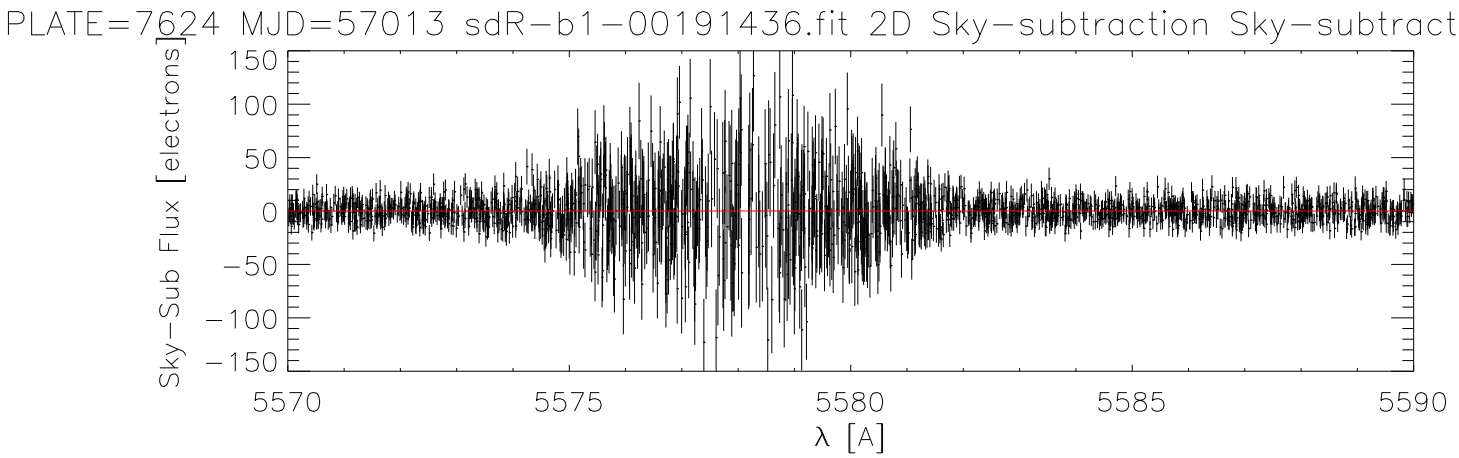

PLATE=7624 MJD=57013 sdR-b1-00191436.fit 1D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
200
100
0
-100
-200
5570
5575
5580
5585
5590
λ [A]

Number of sky fibers = 110

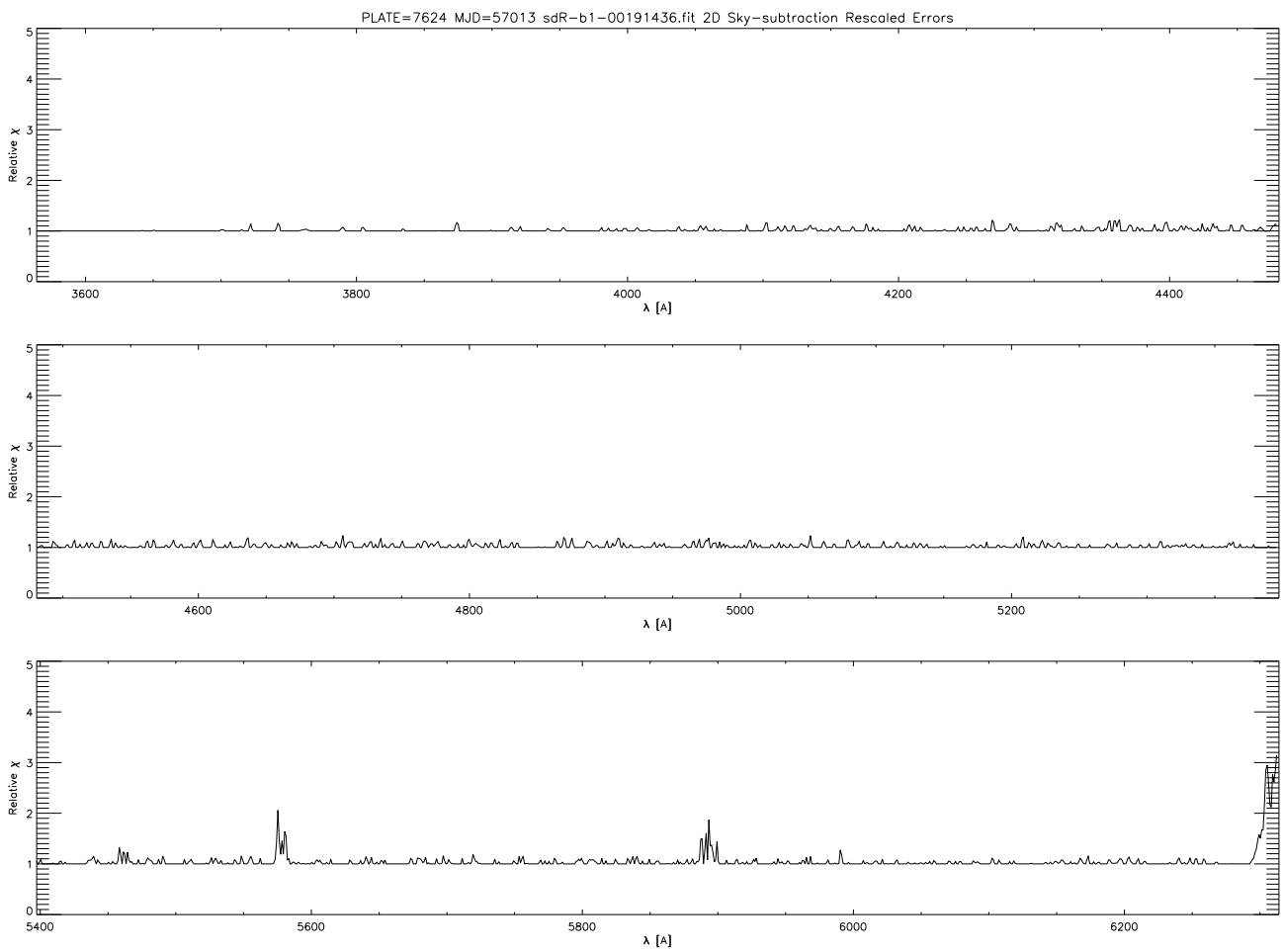


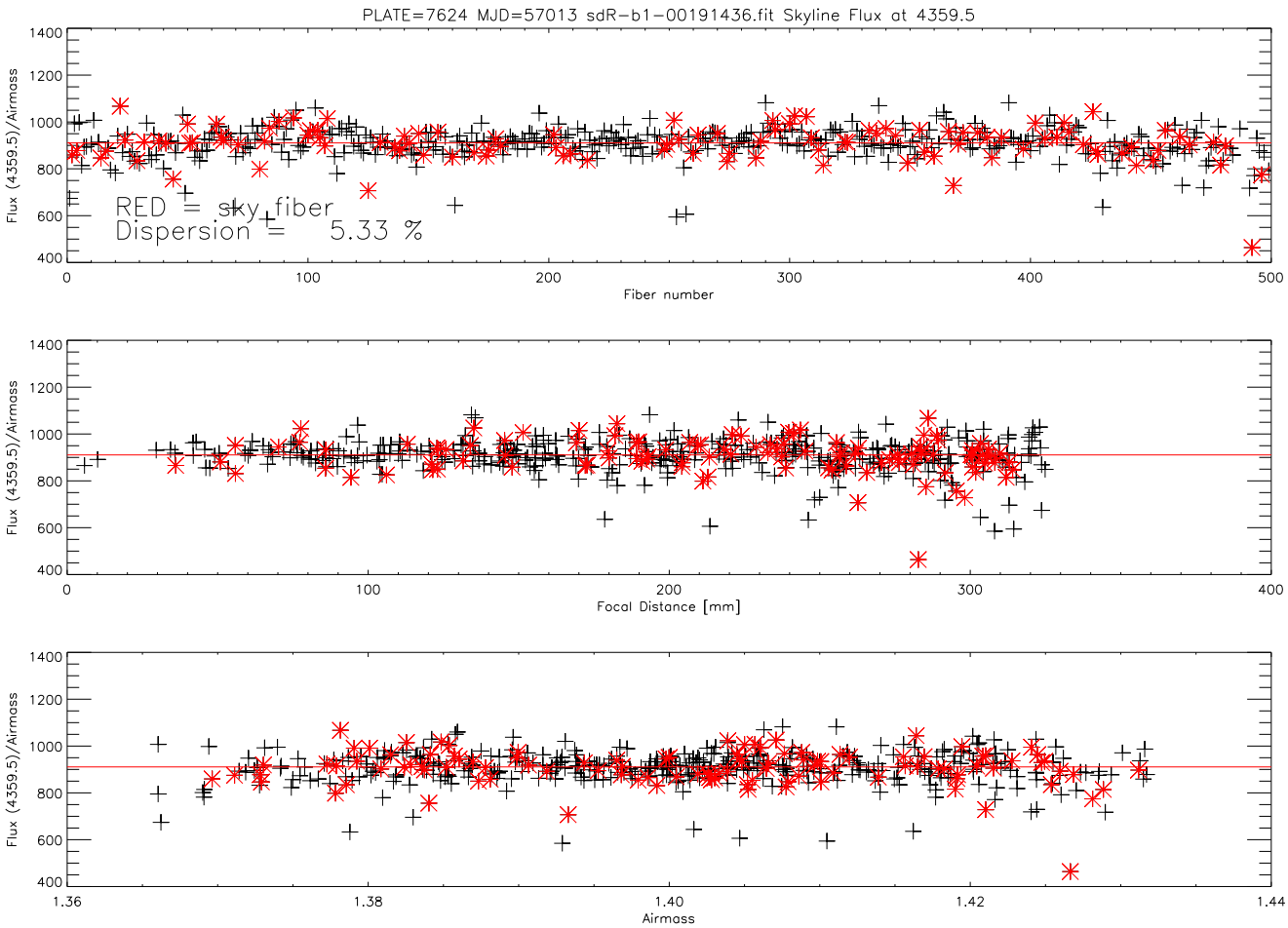

PLATE=7624 MJD=57013 sdR-b1-00191436.fit 2D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

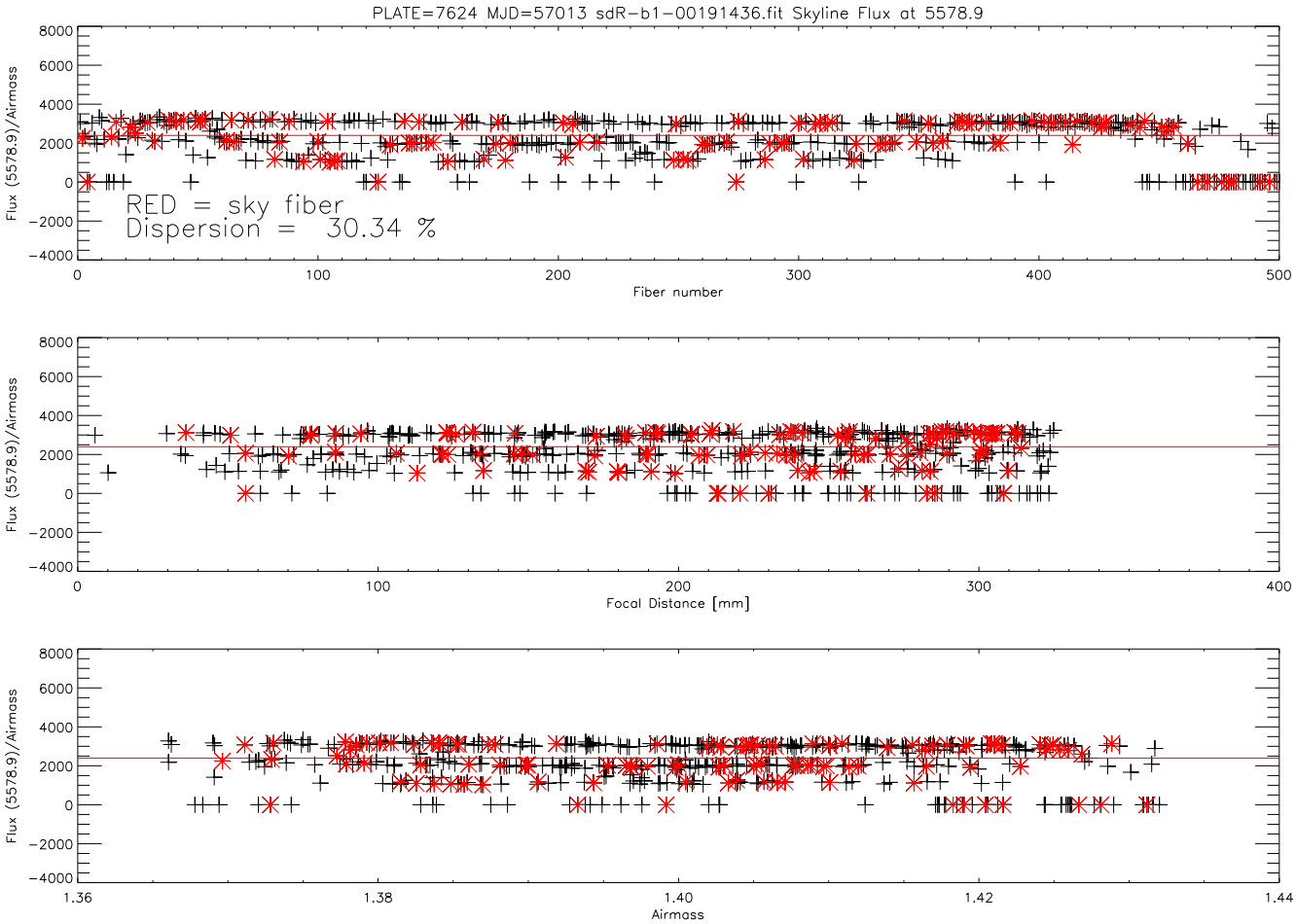

PLATE=7624 MJD=57013 sdR-b1-00191436.fit 2D Sky-subtraction Sky Fibers
Flux [electrons]
2000
1500
1000
500
0
5570
5575
5580
5585
5590
λ [A]

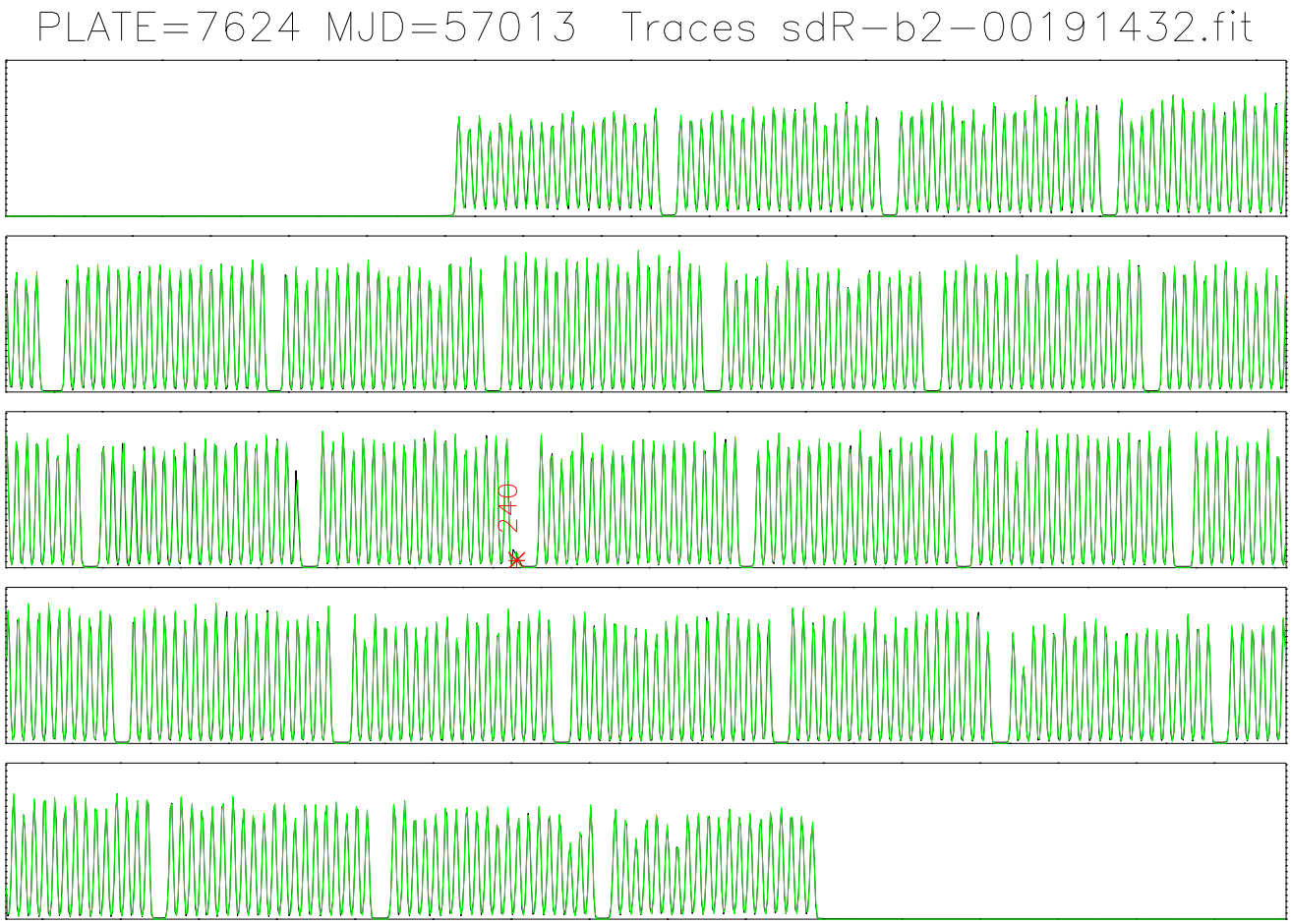

PLATE=7624 MJD=57013 sdR-b1-00191436.fit 2D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
150
100
50
0
−50
−100
−150
5570
5575
5580
5585
5590
λ [A]

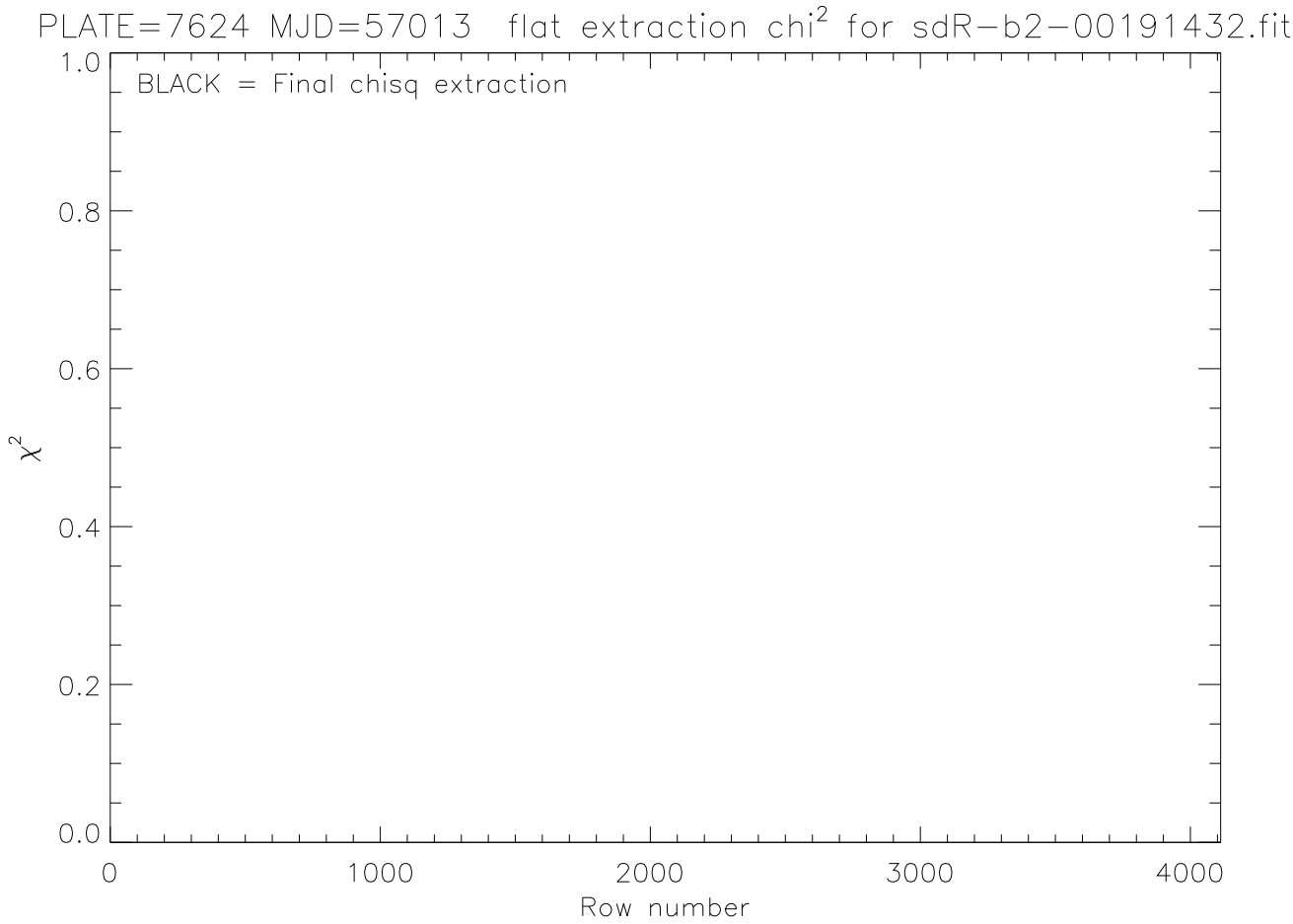
Number of sky fibers = 110

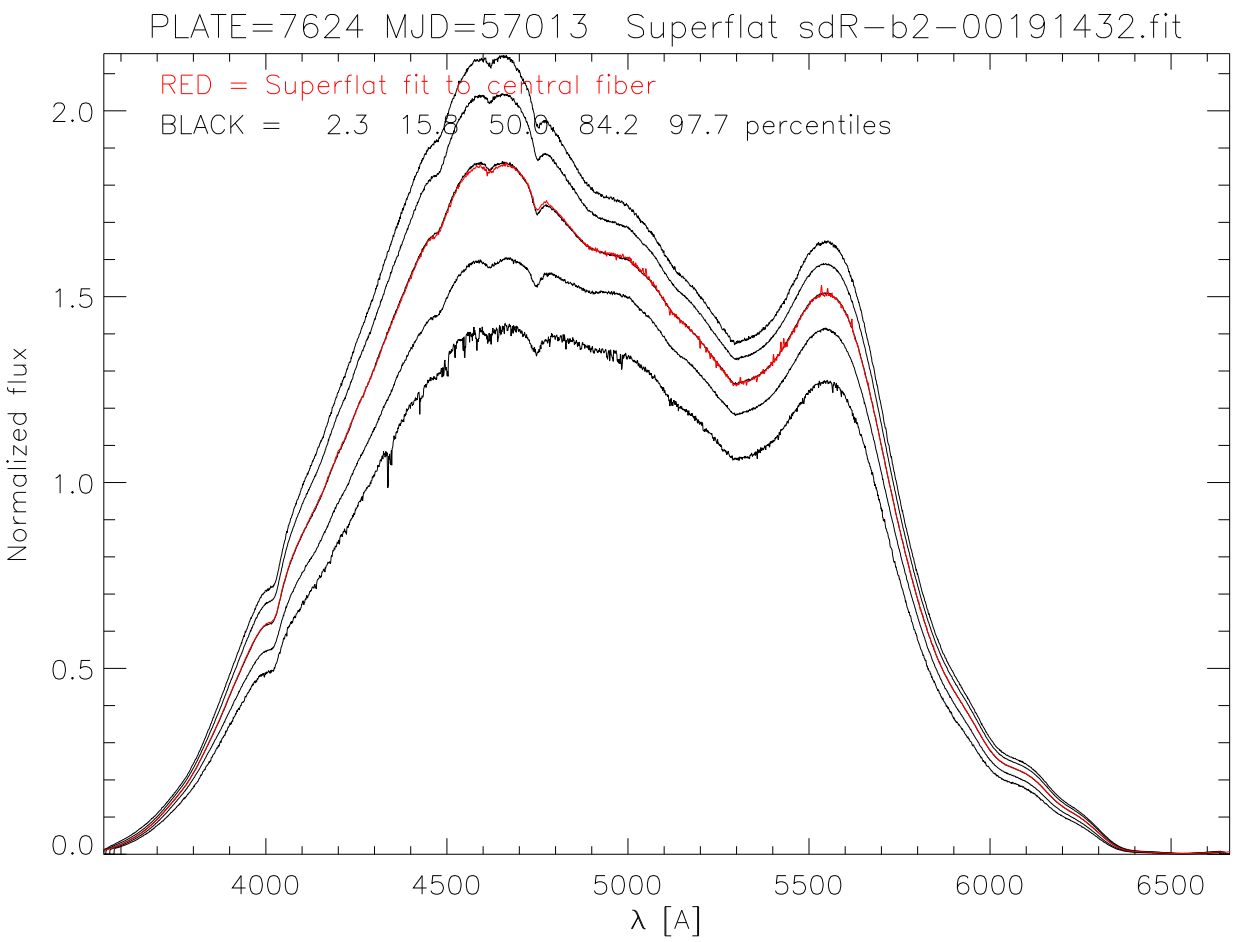


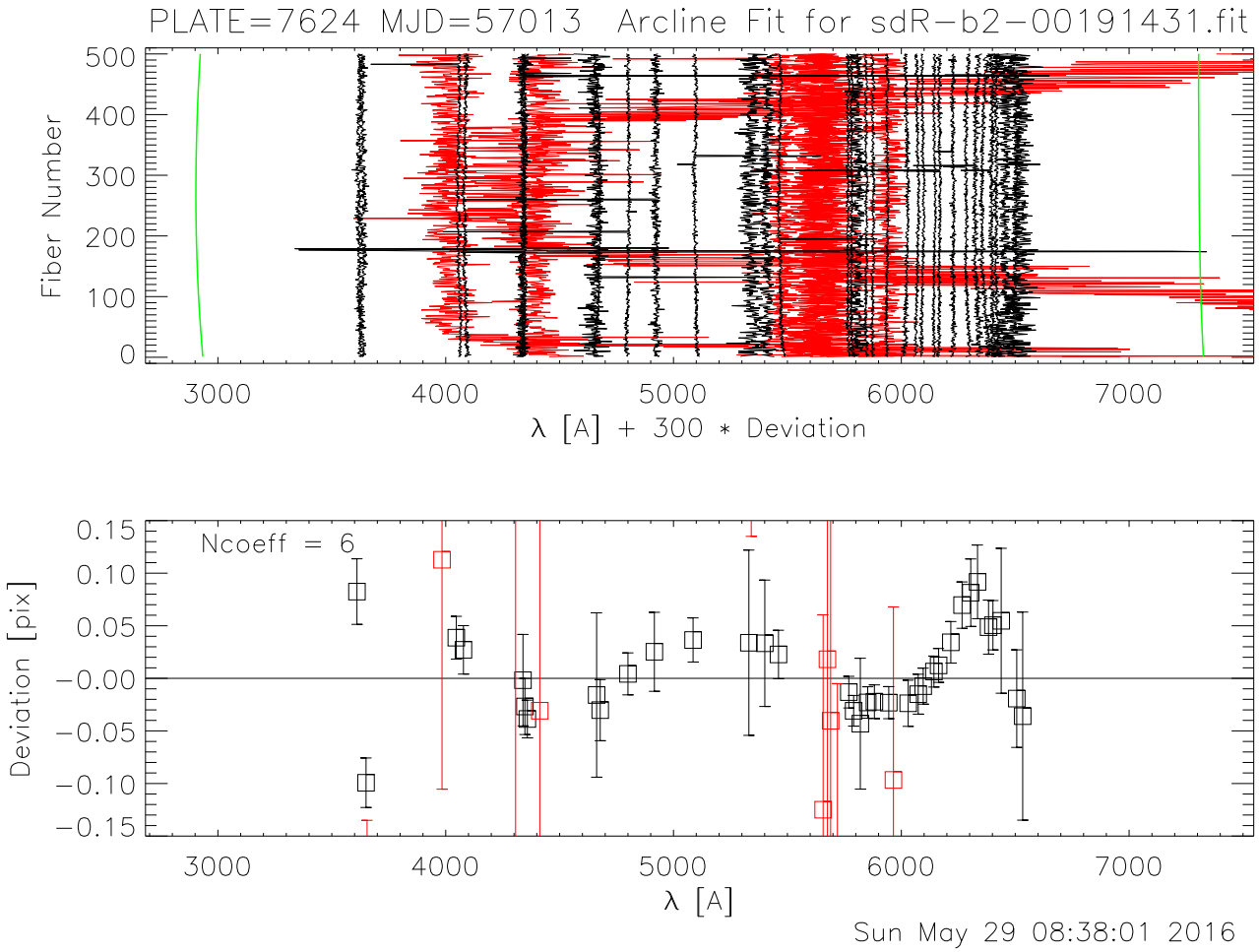

PLATE=7624 MJD=57013 sdR-b1-00191436.fit Skyline Flux at 4359.5
Flux (4359.5)/Airmass
RED = sky fiber
Dispersion = 5.33 %
Fiber number
Flux (4359.5)/Airmass
Focal Distance [mm]
Flux (4359.5)/Airmass
Airmass


PLATE=7624 MJD=57013 sdR-b1-00191436.fit Skyline Flux at 5578.9
Flux (5578.9)/Airmass
RED = sky fiber
Dispersion = 30.34 %
Fiber number
Flux (5578.9)/Airmass
Focal Distance [mm]
Flux (5578.9)/Airmass
Airmass

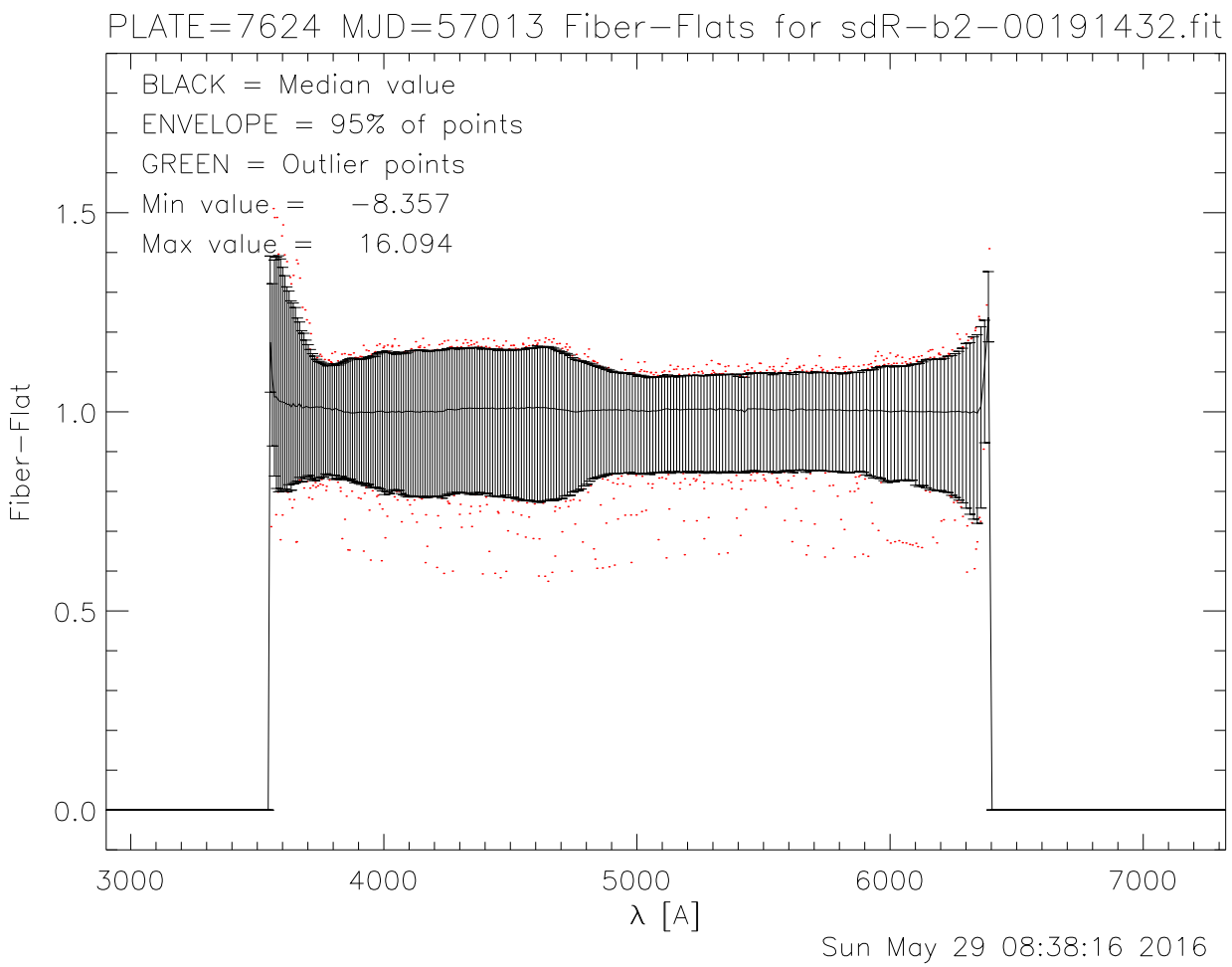

PLATE=7624 MJD=57013 Traces sdR-b2-00191432.fit
240

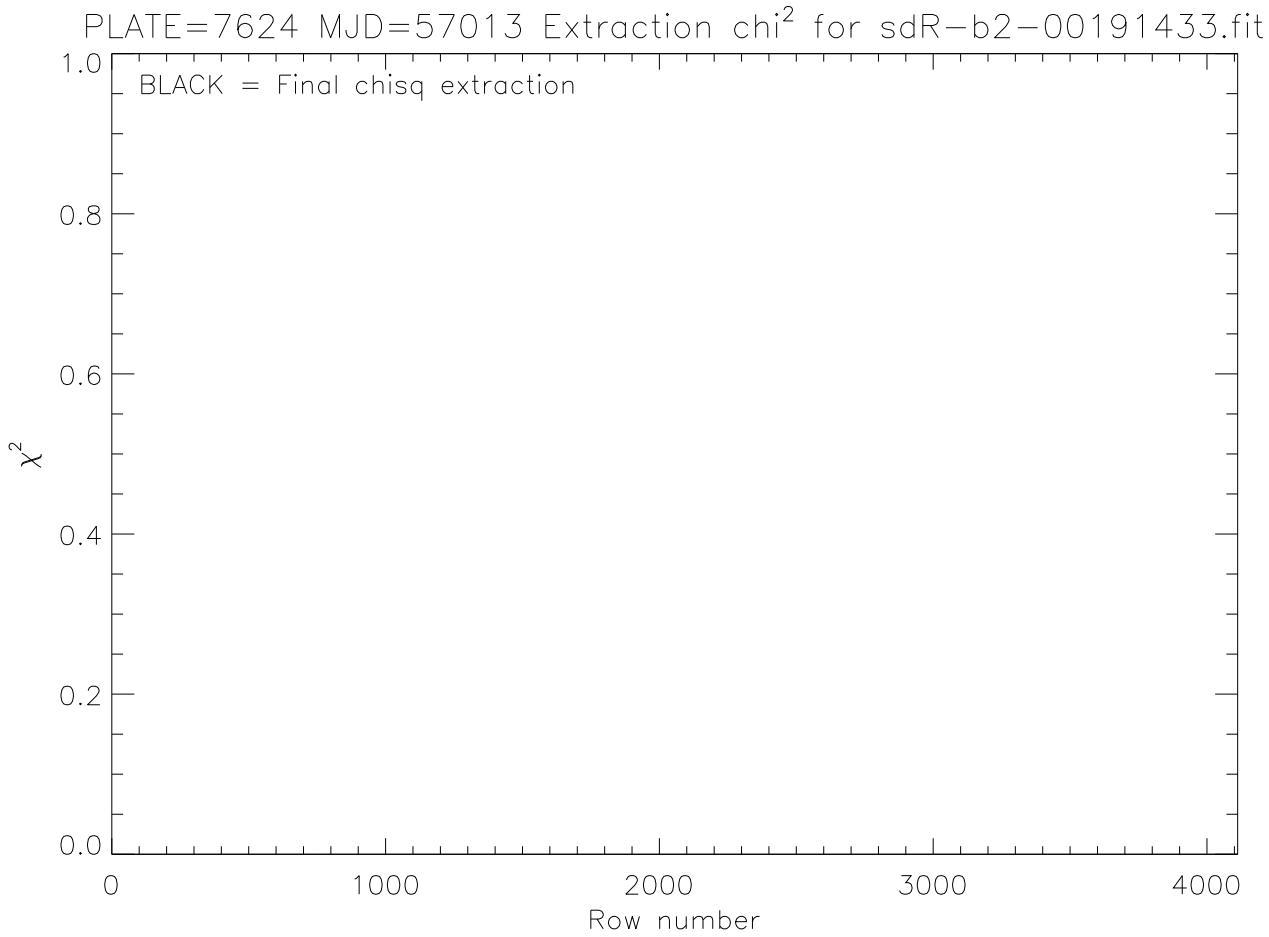

PLATE=7624 MJD=57013 flat extraction chi$^2$ for sdR−b2−00191432.fit
BLACK = Final chisq extraction
$\chi^2$
1.0
0.8
0.6
0.4
0.2
0.0
0
1000
2000
3000
4000
Row number

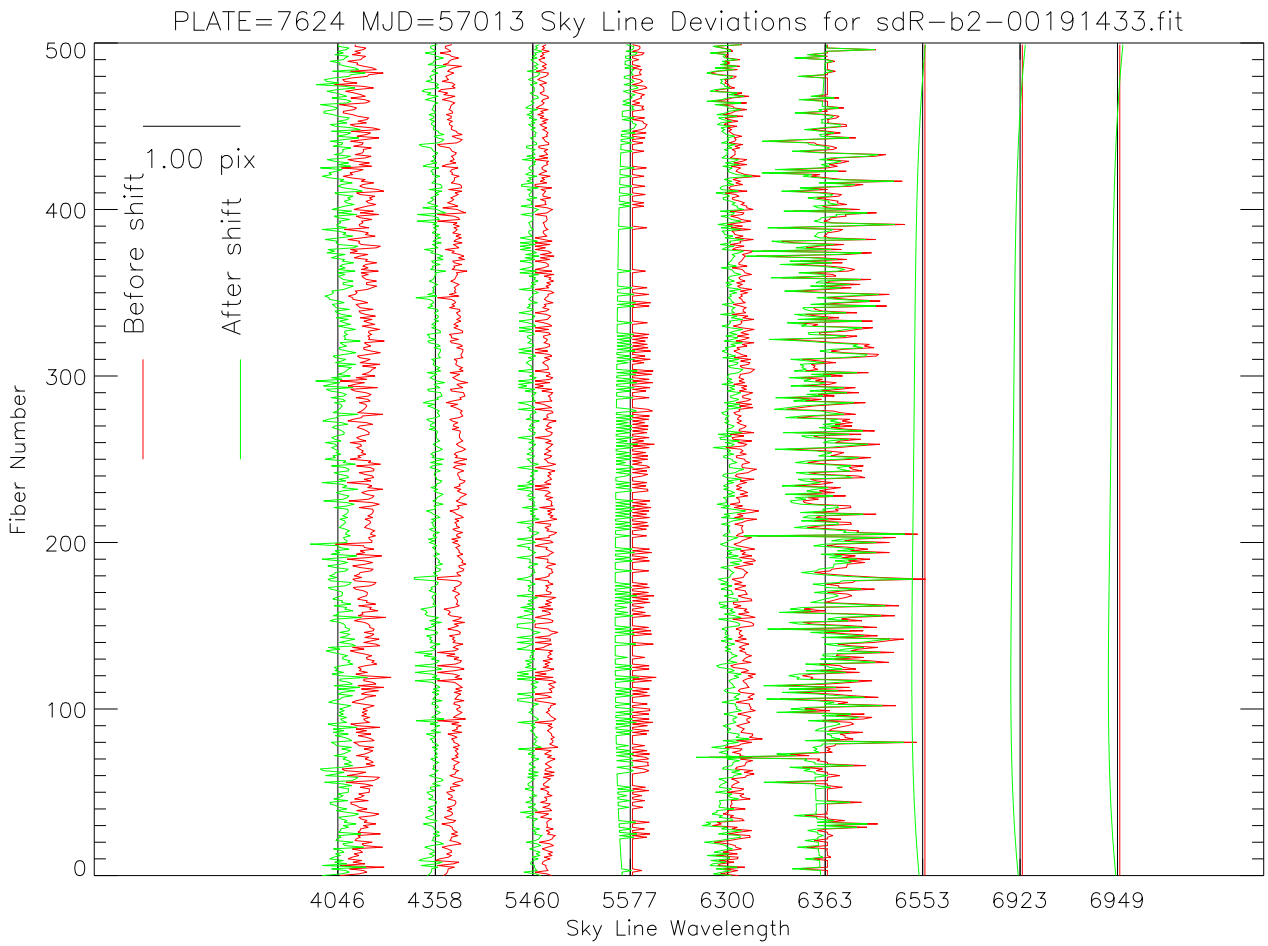

PLATE=7624 MJD=57013 Superflat sdR-b2-00191432.fit
RED = Superflat fit to central fiber
BLACK = 2.3 15.8 50.0 84.2 97.7 percentiles
Normalized flux
λ [A]
0.0
0.5
1.0
1.5
2.0
4000
4500
5000
5500
6000
6500

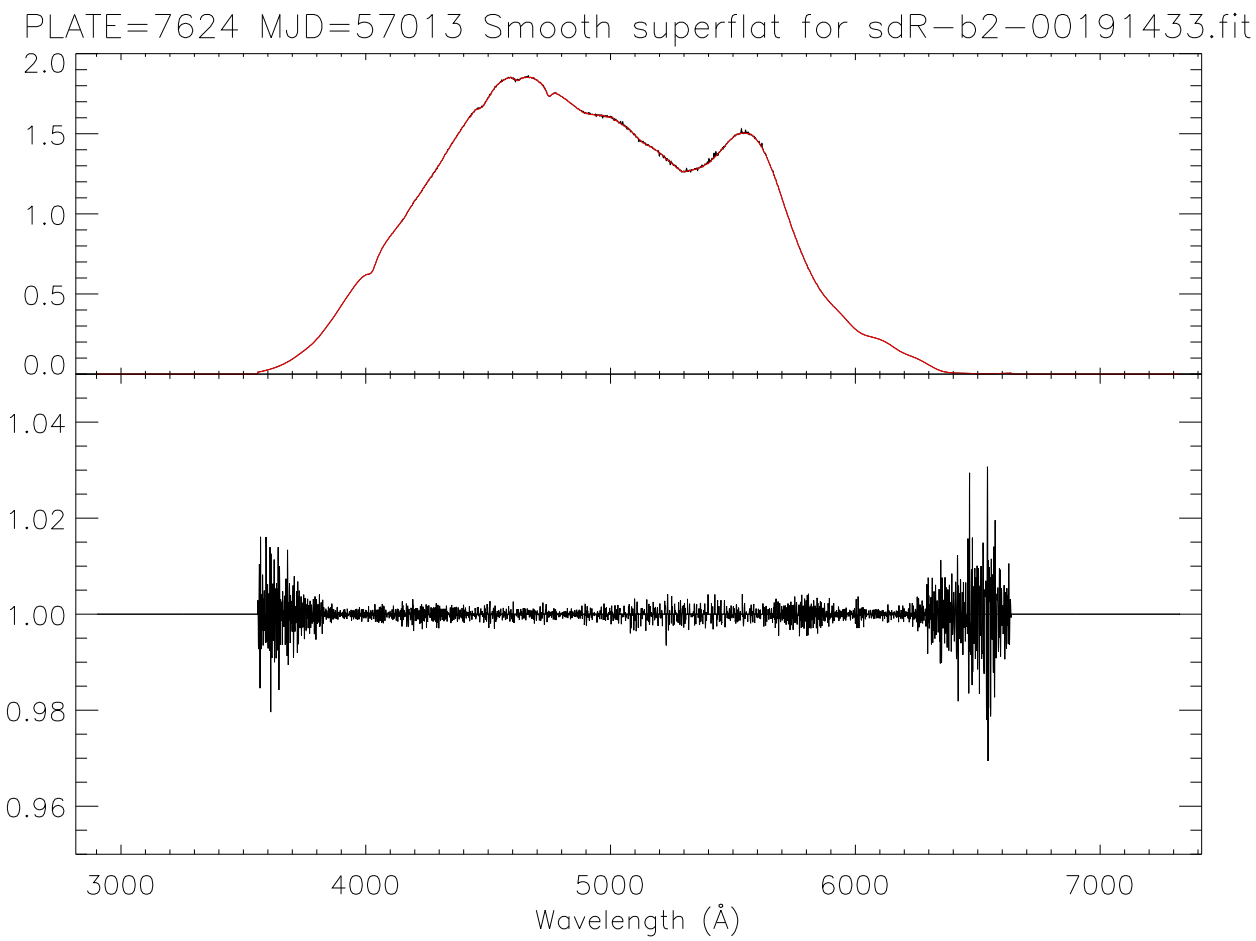

PLATE=7624 MJD=57013 Arcline Fit for sdR-b2-00191431.fit
Fiber Number
500
400
300
200
100
0
3000
4000
5000
6000
7000
λ [A] + 300 * Deviation

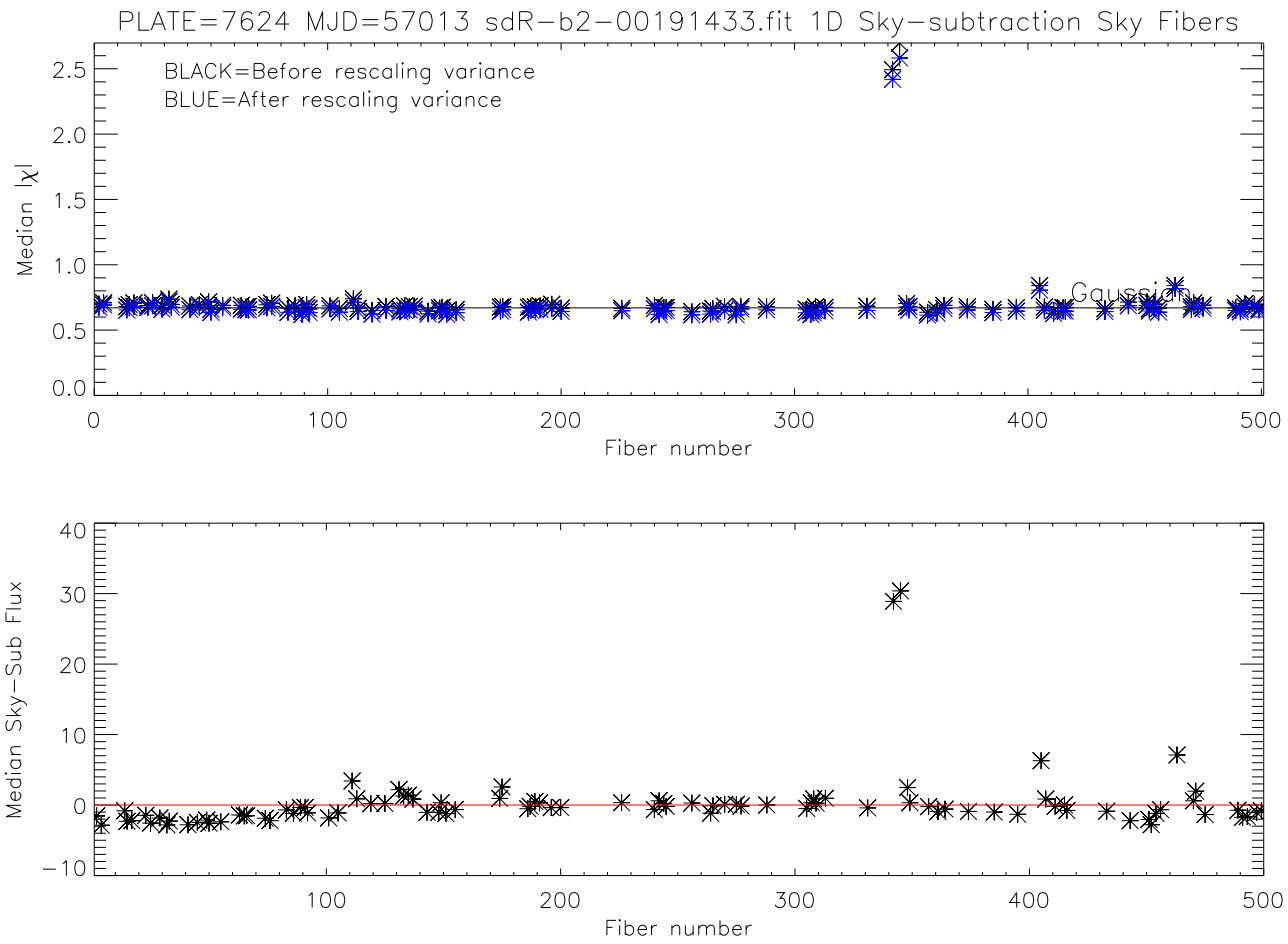

Ncoeff = 6
Deviation [pix]
0.15
0.10
0.05
−0.00
−0.05
−0.10
−0.15
3000
4000
5000
6000
7000
λ [A]
Sun May 29 08:38:01 2016

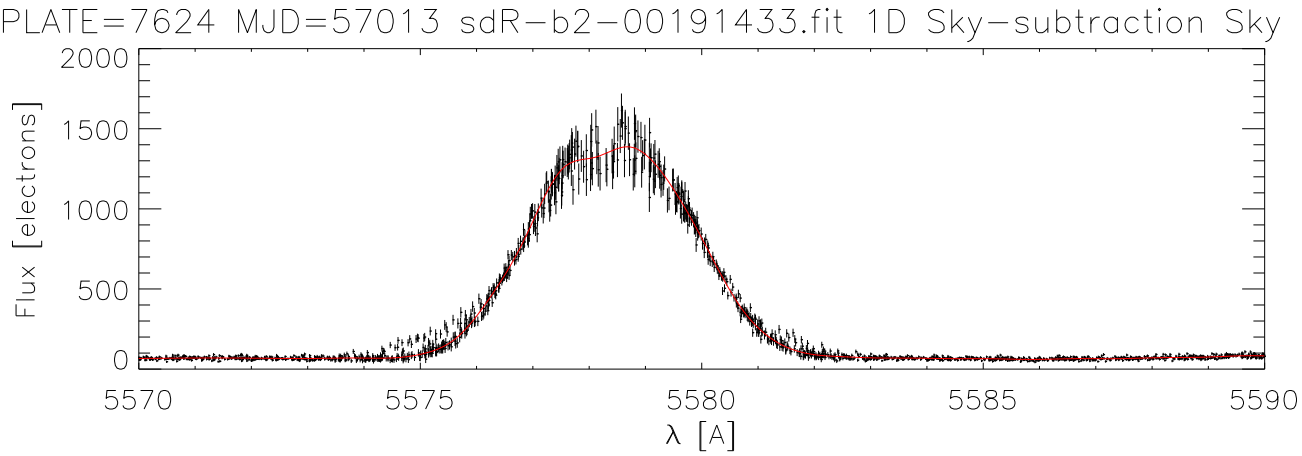

PLATE=7624 MJD=57013 Fiber−Flats for sdR−b2−00191432.fit
BLACK = Median value
ENVELOPE = 95% of points
GREEN = Outlier points
Min value = −8.357
Max value = 16.094
Fiber−Flat
1.5
1.0
0.5
0.0
3000
4000
5000
6000
7000
λ [A]
Sun May 29 08:38:16 2016

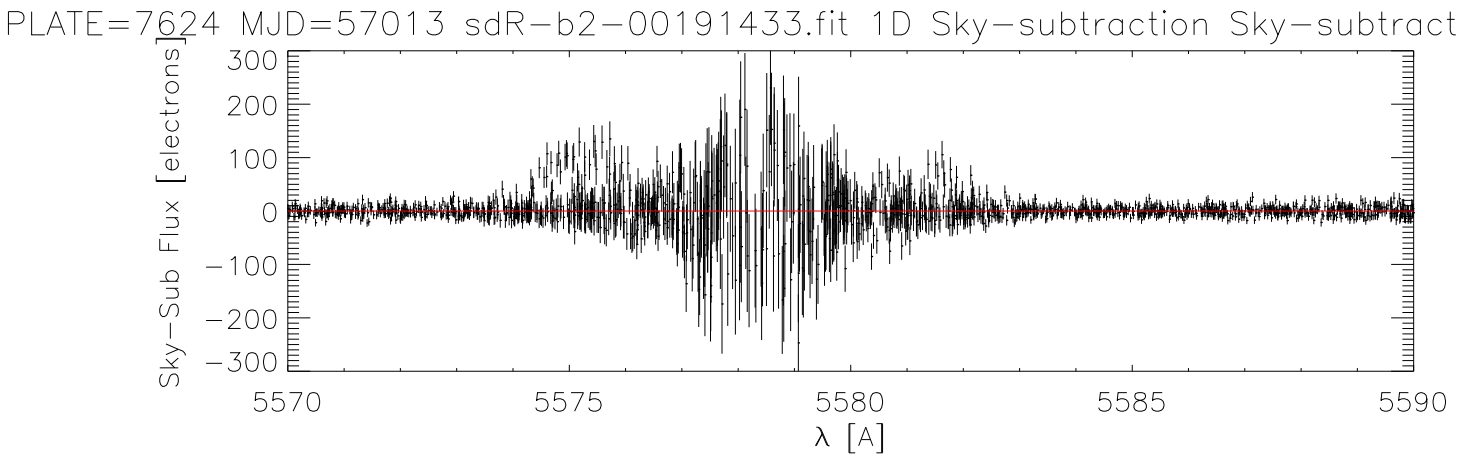

PLATE=7624 MJD=57013 Extraction chi$^2$ for sdR-b2-00191433.fit
BLACK = Final chisq extraction
$\chi^2$
1.0
0.8
0.6
0.4
0.2
0.0
0
1000
2000
3000
4000
Row number


PLATE=7624 MJD=57013 Sky Line Deviations for sdR-b2-00191433.fit
Before shift
After shift
1.00 pix
Fiber Number
0
100
200
300
400
500
4046
4358
5460
5577
6300
6363
6553
6923
6949
Sky Line Wavelength

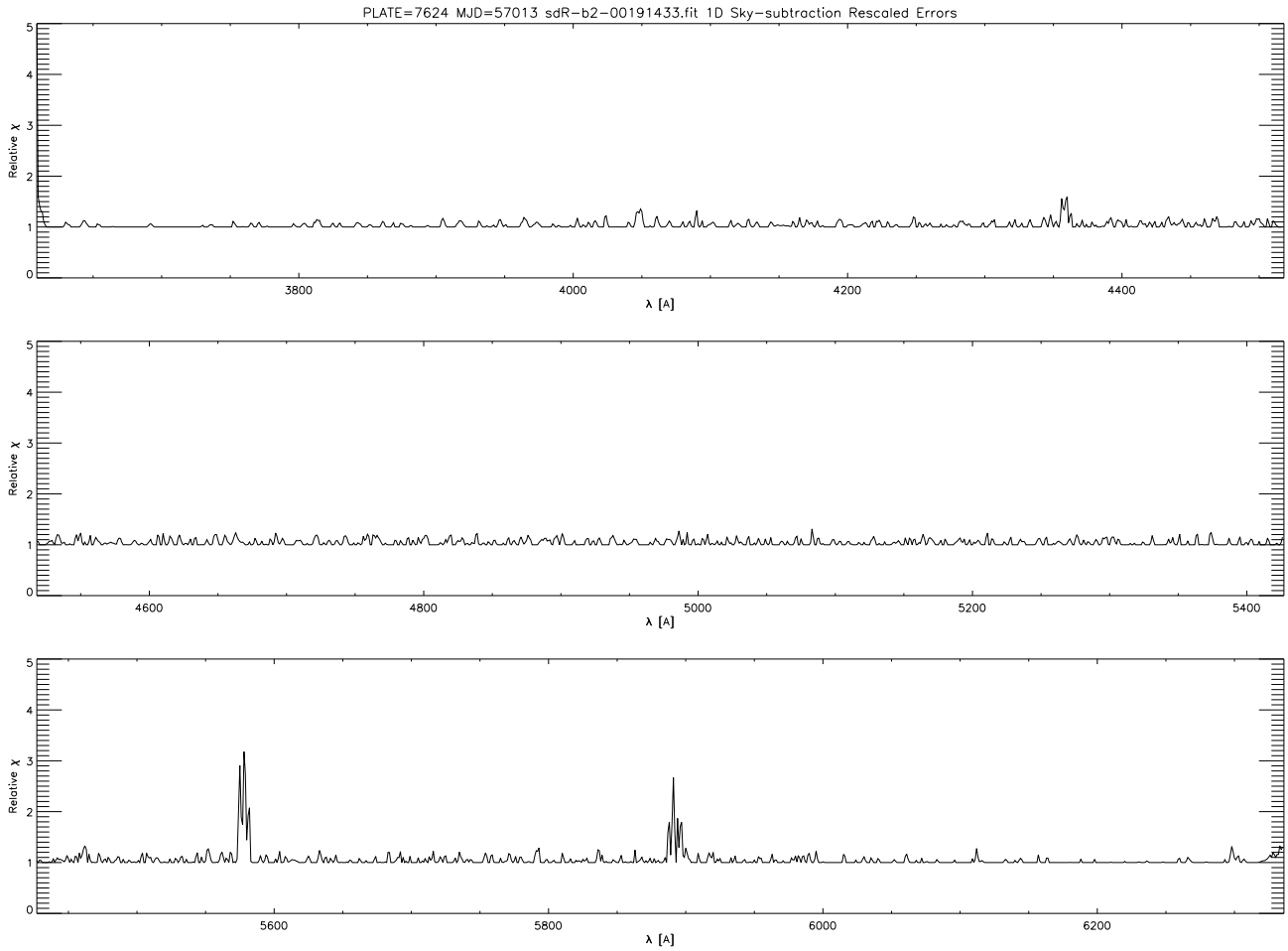

PLATE=7624 MJD=57013 Smooth superflat for sdR-b2-00191433.fit
2.0
1.5
1.0
0.5
0.0
1.04
1.02
1.00
0.98
0.96
3000
4000
5000
6000
7000
Wavelength (Å)

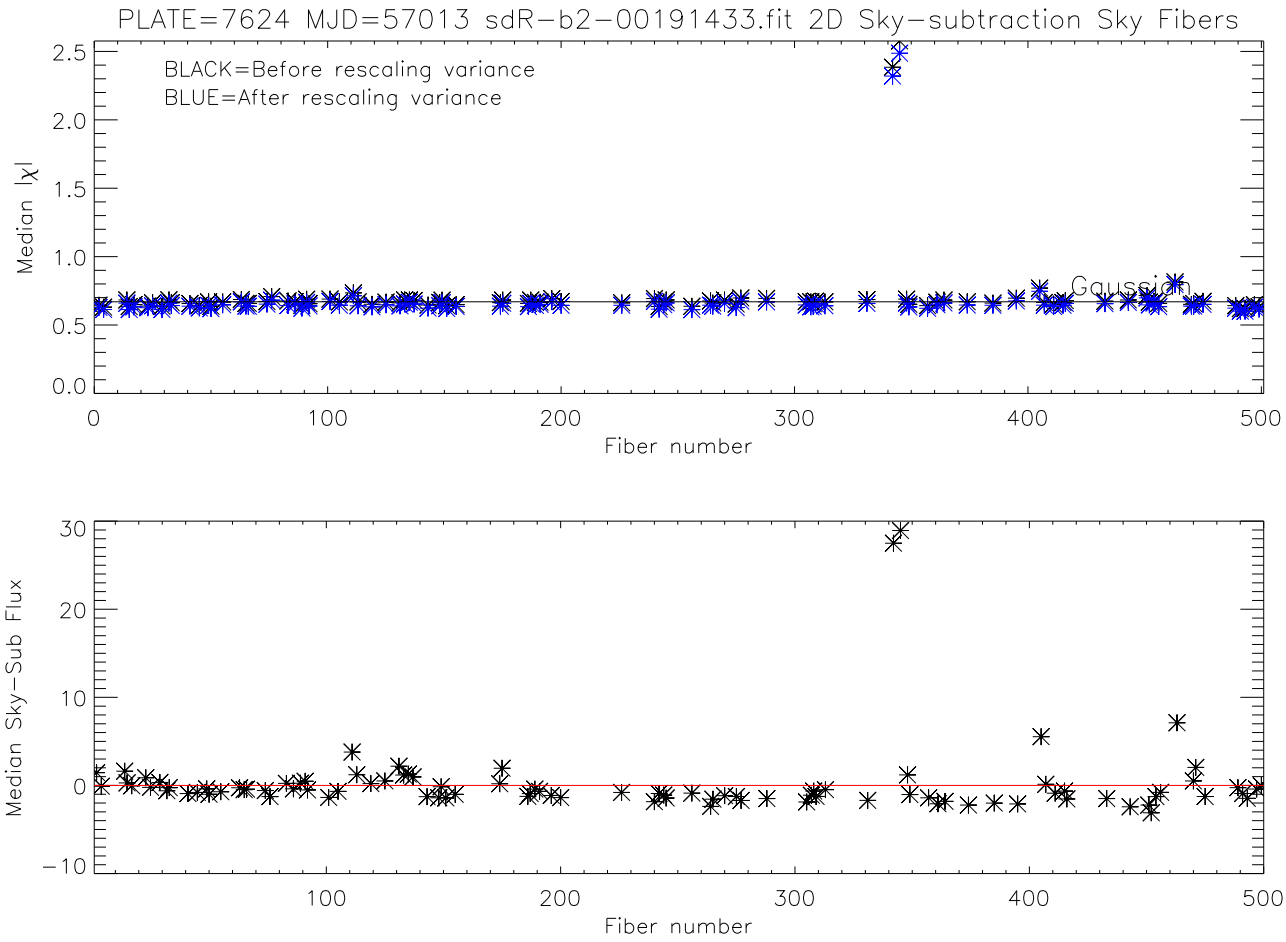

PLATE=7624 MJD=57013 sdR-b2-00191433.fit 1D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Median |χ|
Gaussian
Fiber number
Median Sky-Sub Flux
Fiber number

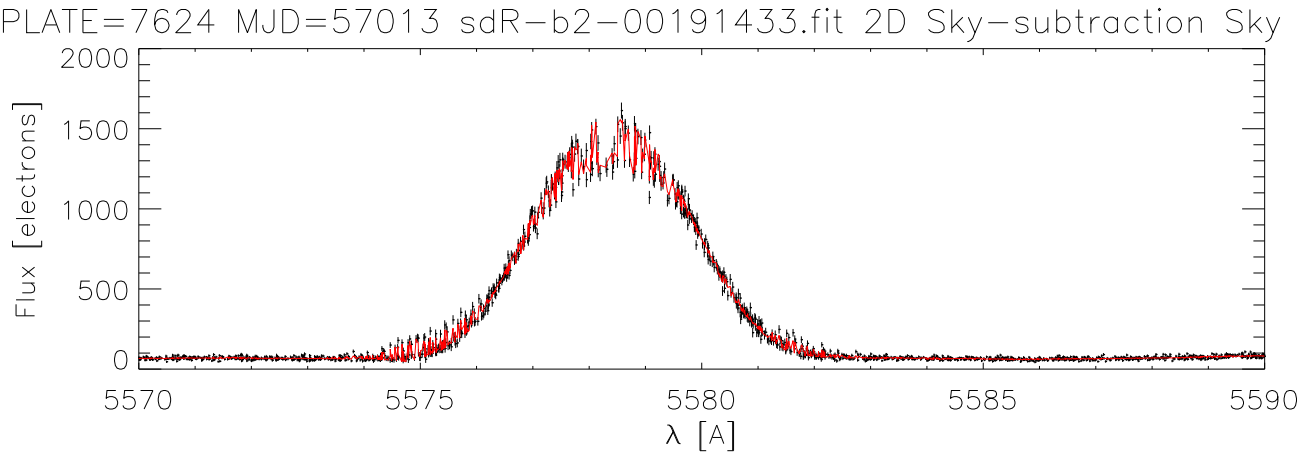

PLATE=7624 MJD=57013 sdR-b2-00191433.fit 1D Sky-subtraction Sky Fibers
Flux [electrons]
2000
1500
1000
500
0
5570
5575
5580
5585
5590
λ [A]

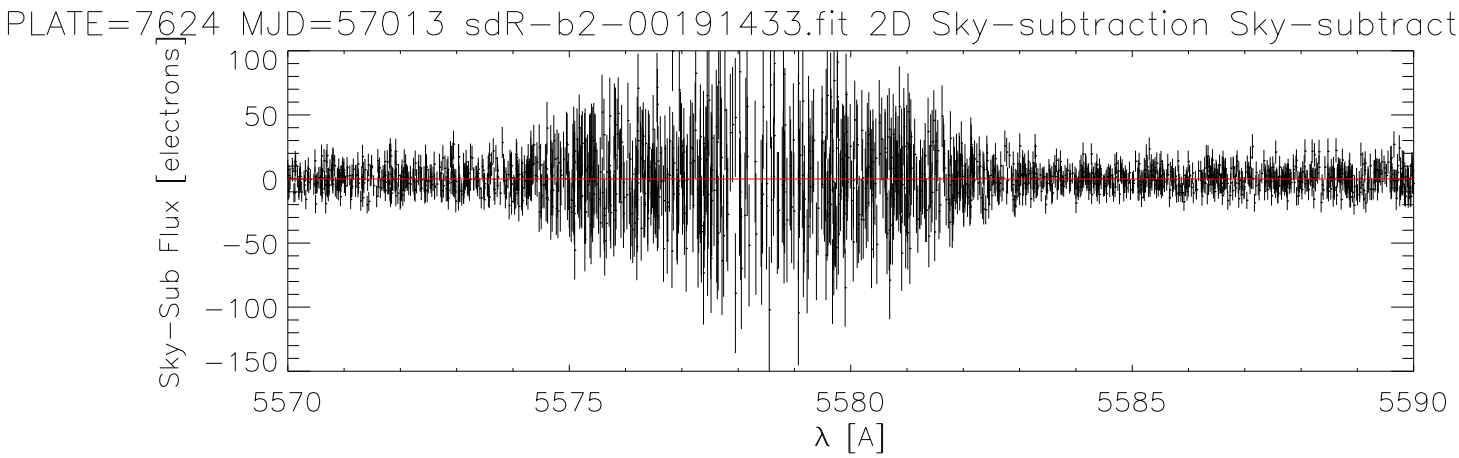

PLATE=7624 MJD=57013 sdR-b2-00191433.fit 1D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
300
200
100
0
-100
-200
-300
5570
5575
5580
5585
5590
λ [A]

Number of sky fibers = 96

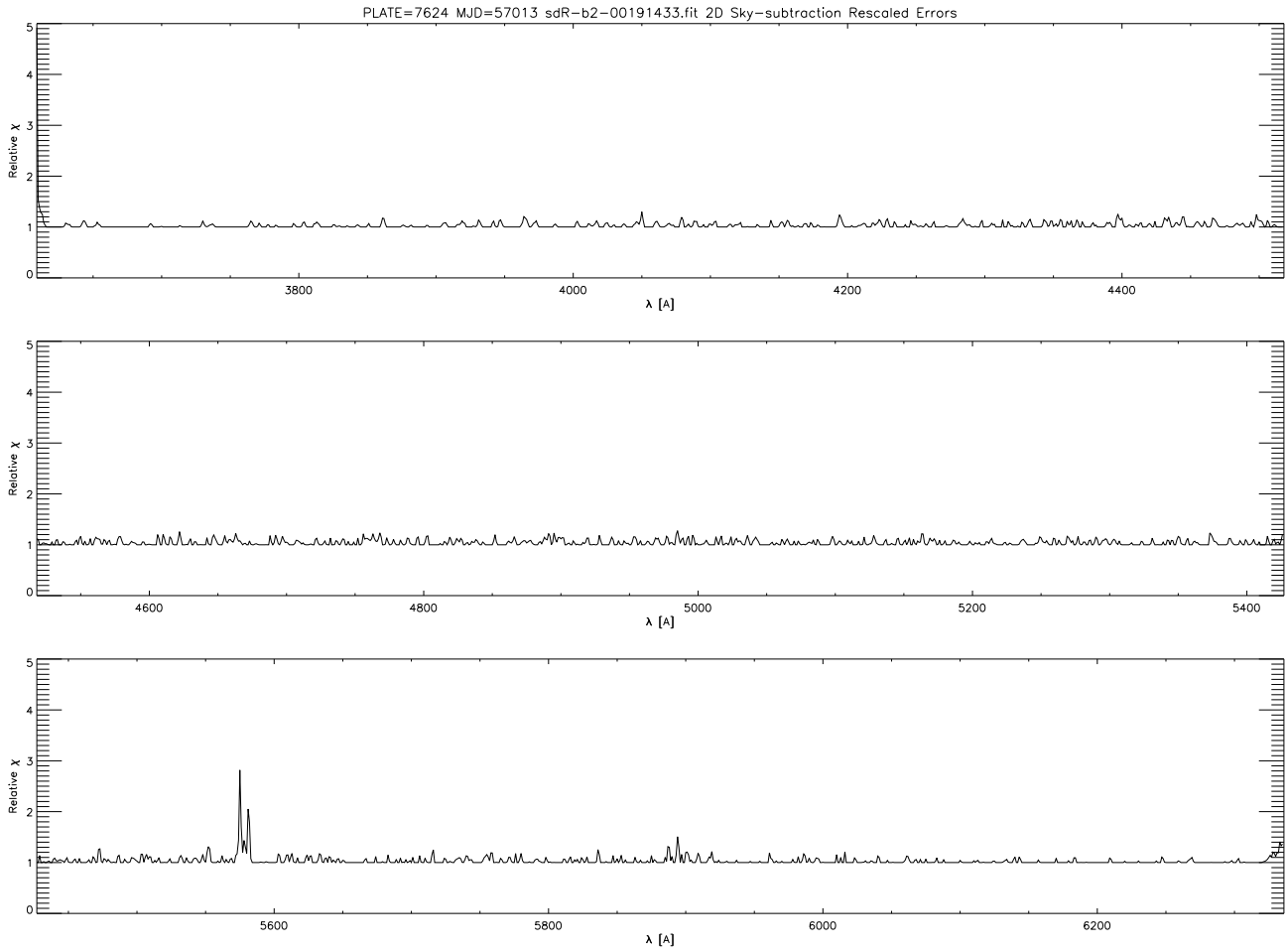


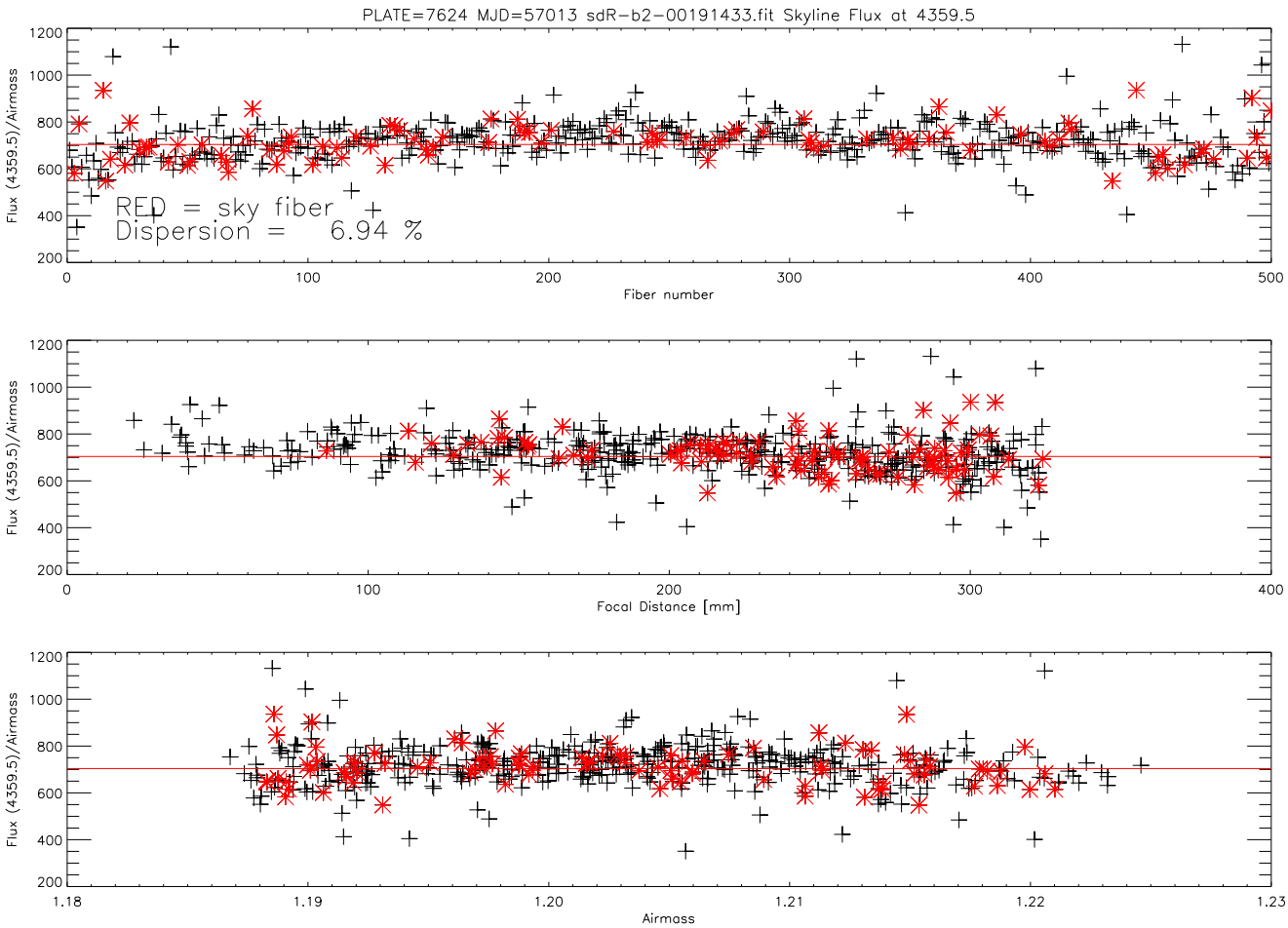

PLATE=7624 MJD=57013 sdR-b2-00191433.fit 2D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Median |χ|
Gaussian
Fiber number
Median Sky-Sub Flux
Fiber number

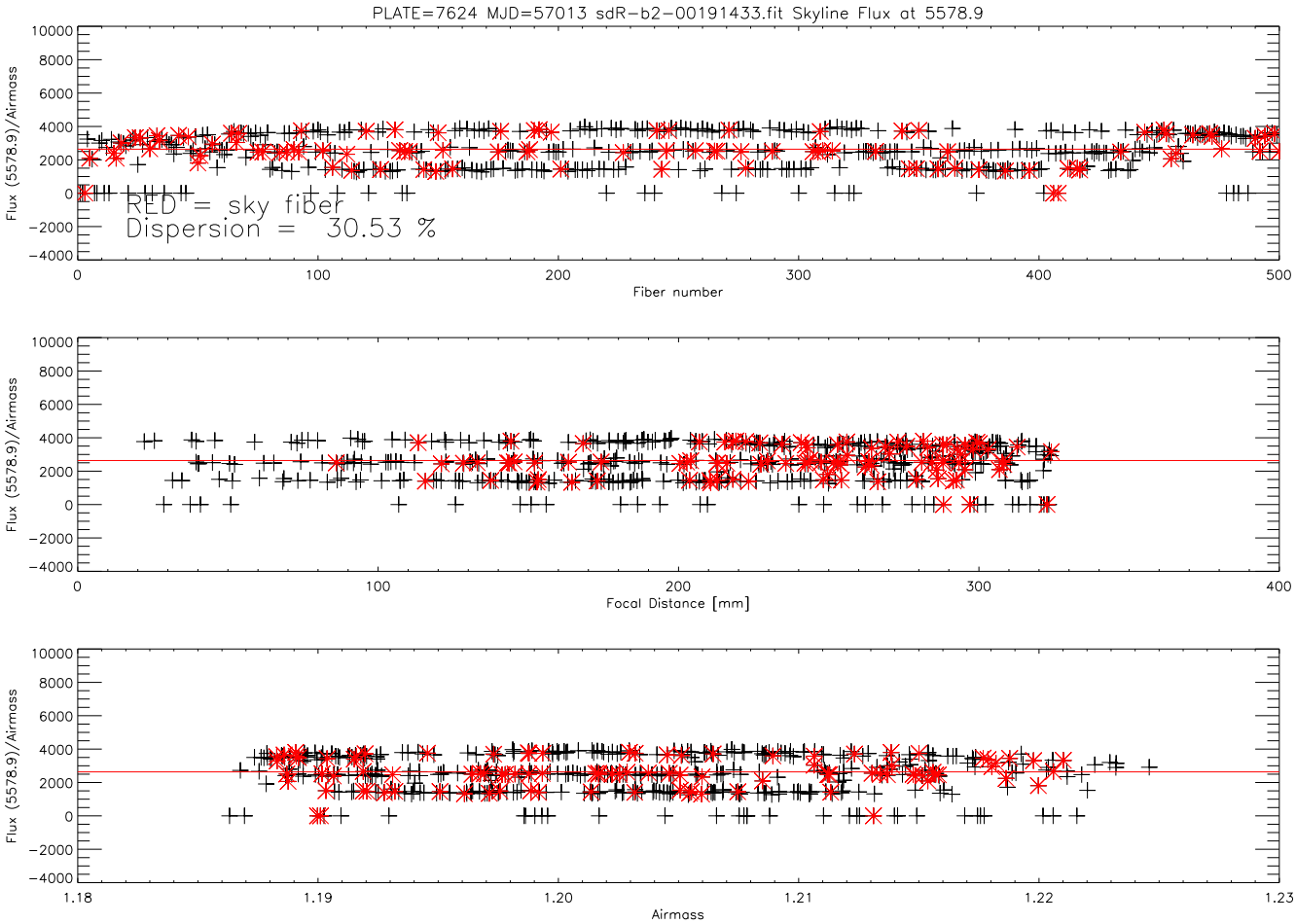

PLATE=7624 MJD=57013 sdR-b2-00191433.fit 2D Sky-subtraction Sky Fibers
Flux [electrons]
2000
1500
1000
500
0
5570
5575
5580
5585
5590
λ [A]

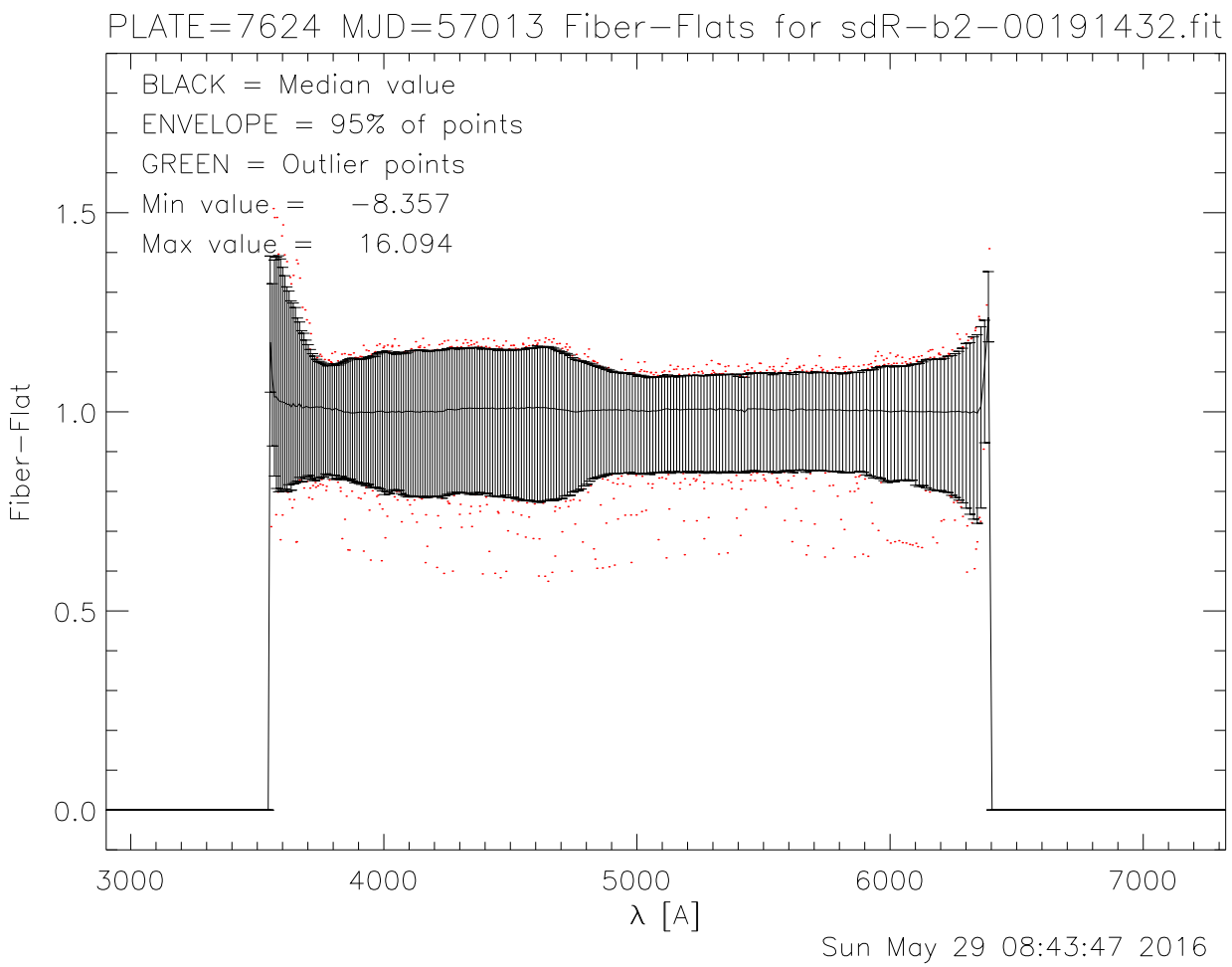

PLATE=7624 MJD=57013 sdR-b2-00191433.fit 2D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
100
50
0
−50
−100
−150
5570
5575
5580
5585
5590
λ [A]

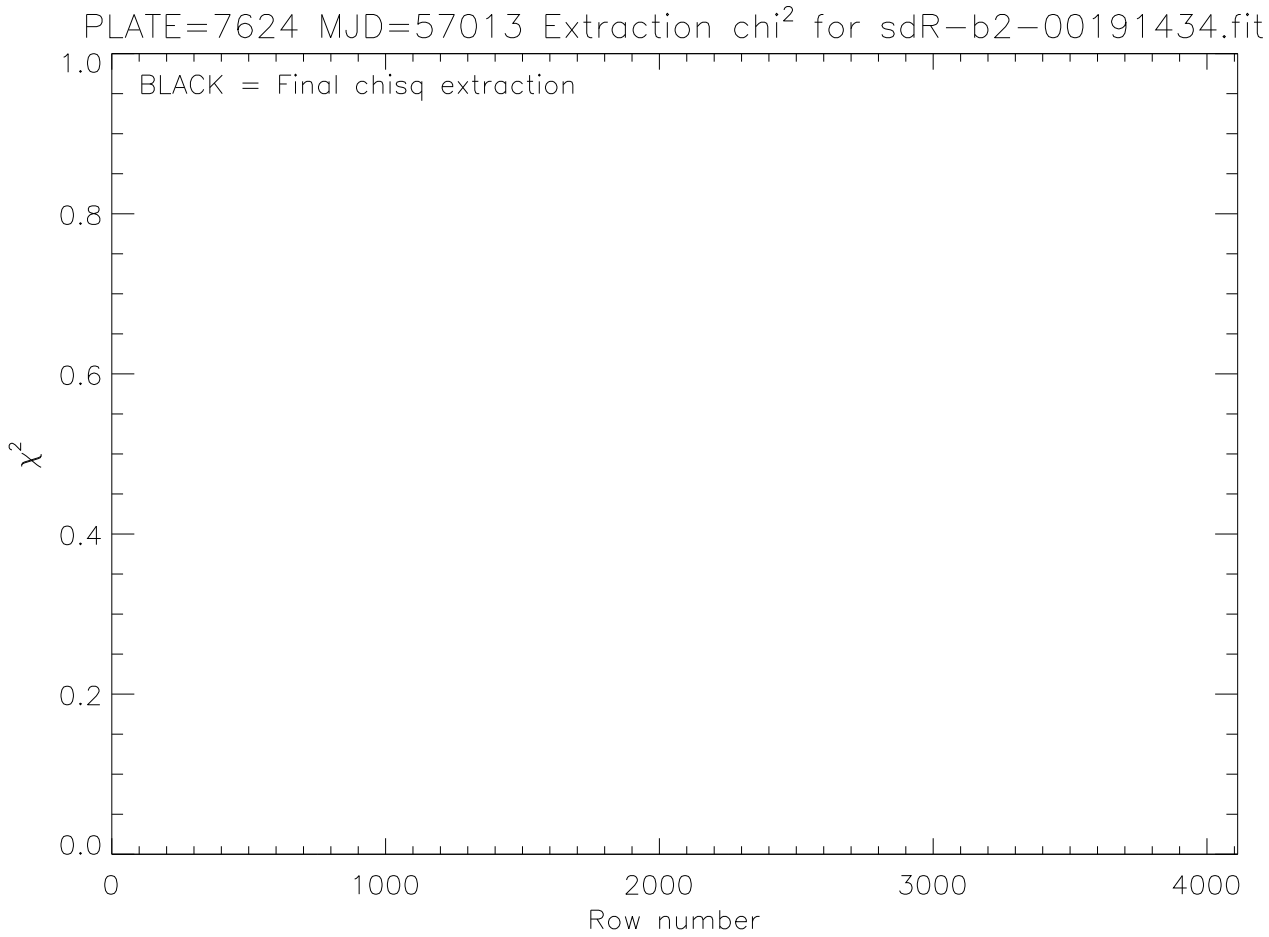
Number of sky fibers = 96

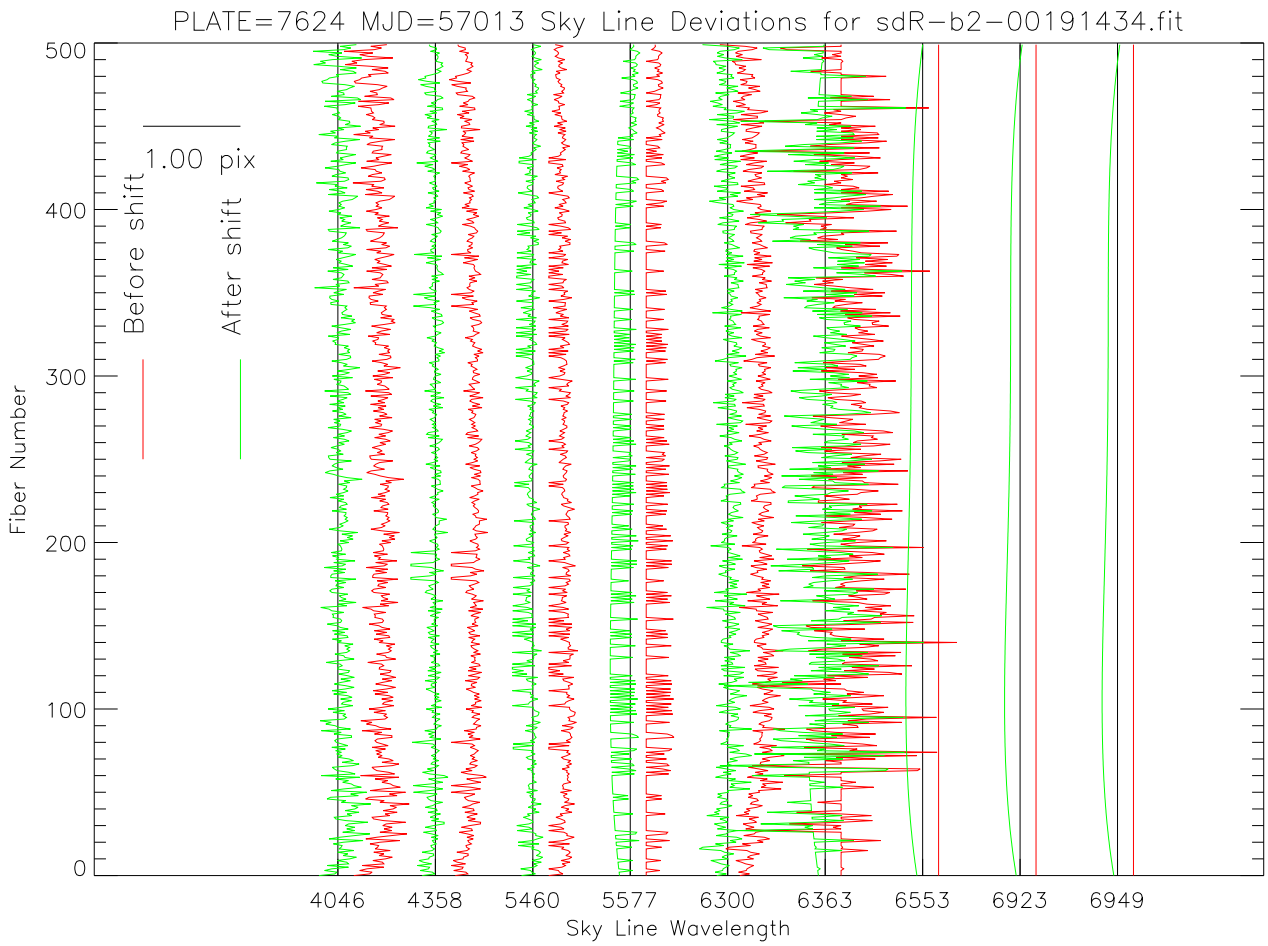


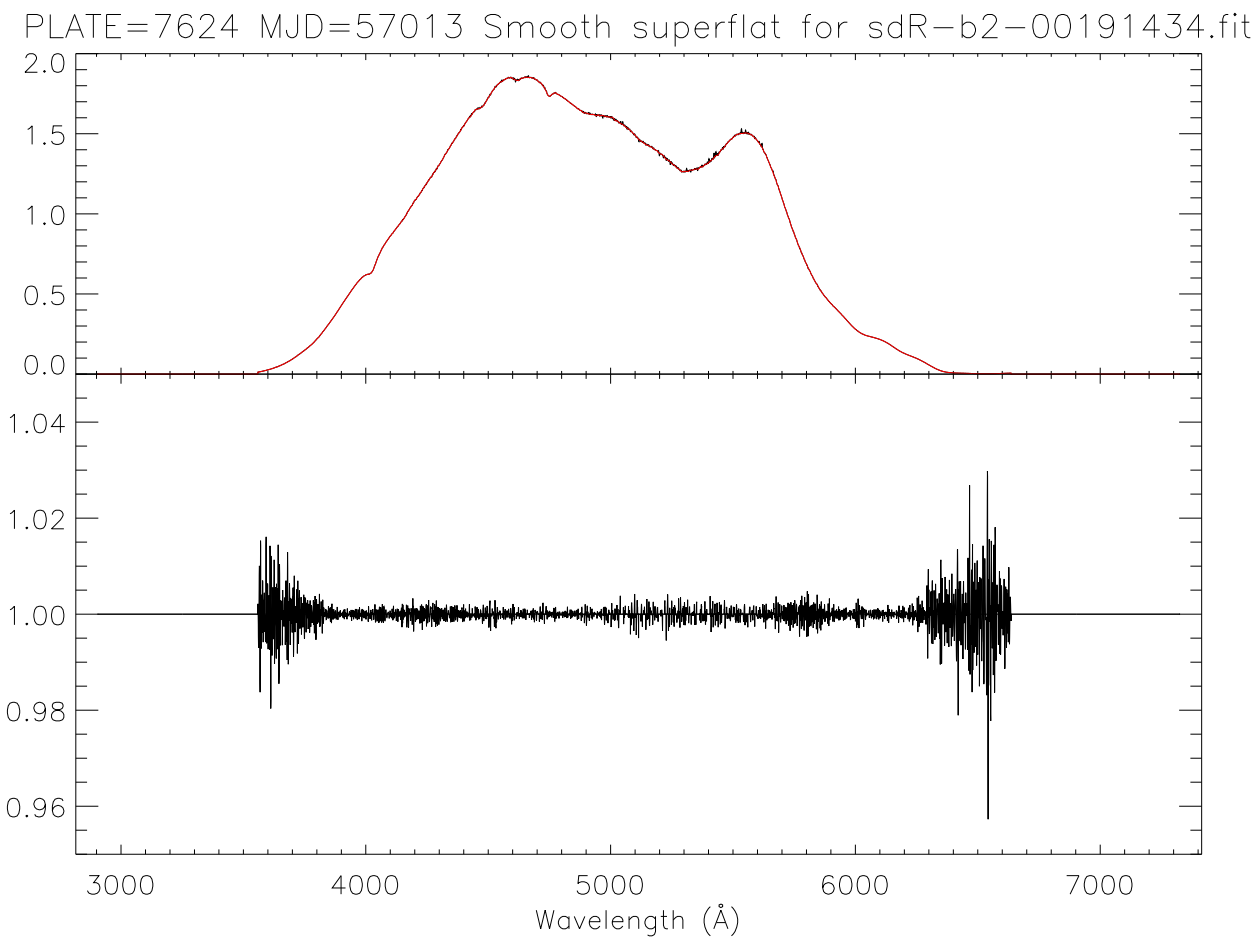

PLATE=7624 MJD=57013 sdR-b2-00191433.fit Skyline Flux at 4359.5
Flux (4359.5)/Airmass
RED = sky fiber
Dispersion = 6.94 %
Fiber number
Flux (4359.5)/Airmass
Focal Distance [mm]
Flux (4359.5)/Airmass
Airmass

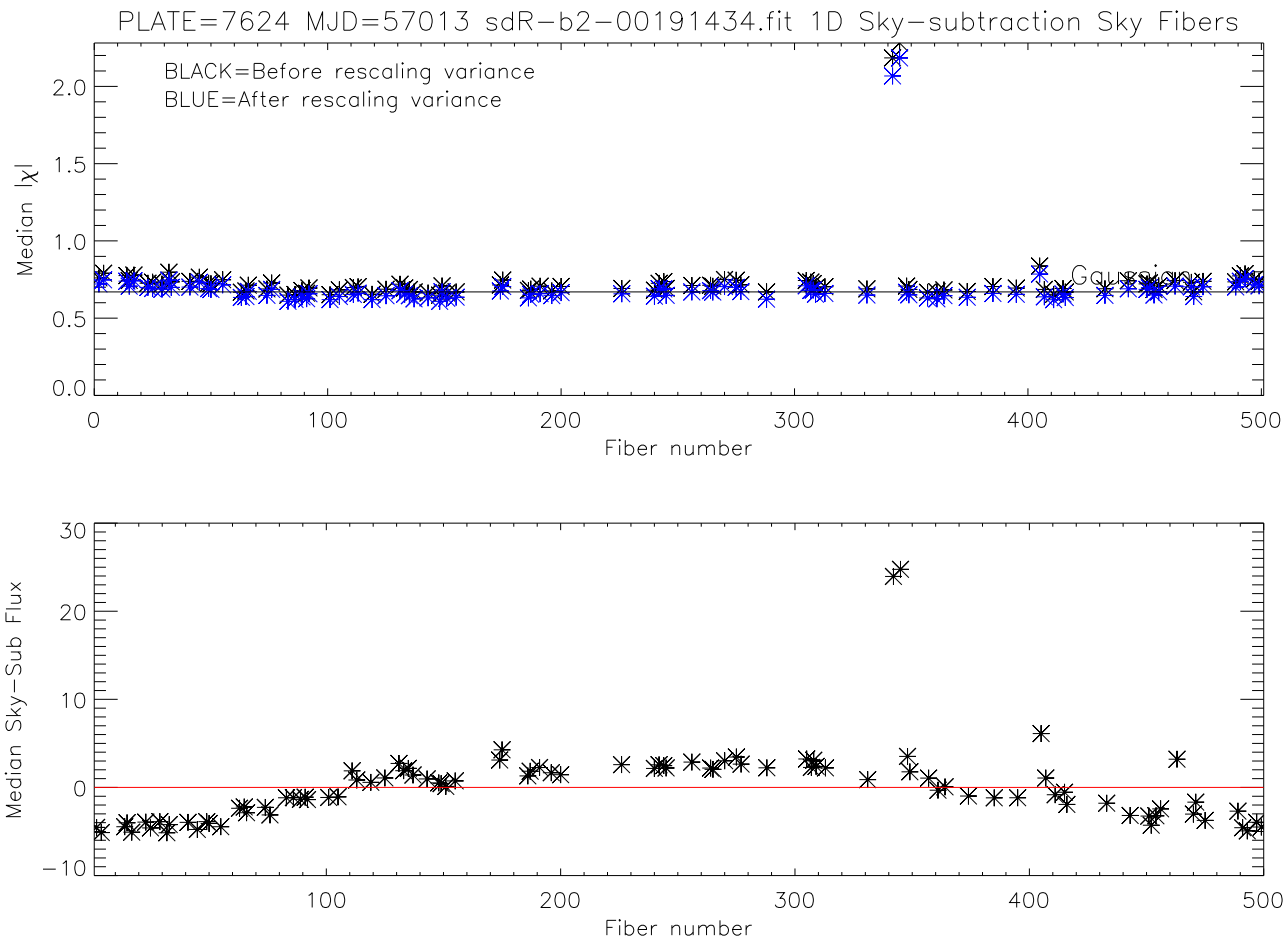

PLATE=7624 MJD=57013 sdR-b2-00191433.fit Skyline Flux at 5578.9
Flux (5578.9)/Airmass
RED = sky fiber
Dispersion = 30.53 %
Fiber number
Focal Distance [mm]
Airmass

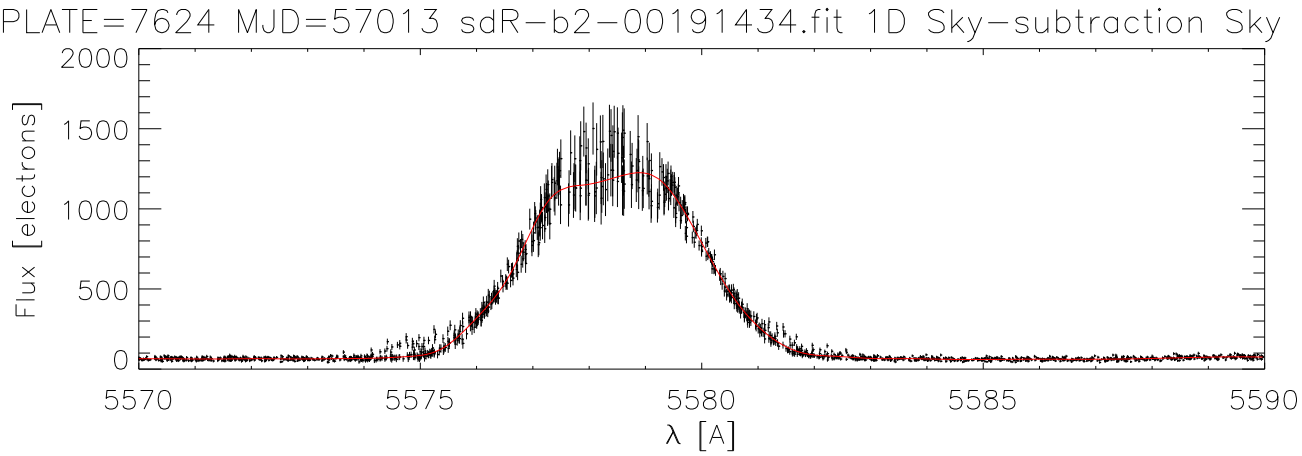

PLATE=7624 MJD=57013 Fiber−Flats for sdR−b2−00191432.fit
BLACK = Median value
ENVELOPE = 95% of points
GREEN = Outlier points
Min value = −8.357
Max value = 16.094
Fiber−Flat
1.5
1.0
0.5
0.0
3000
4000
5000
6000
7000
λ [A]
Sun May 29 08:43:47 2016

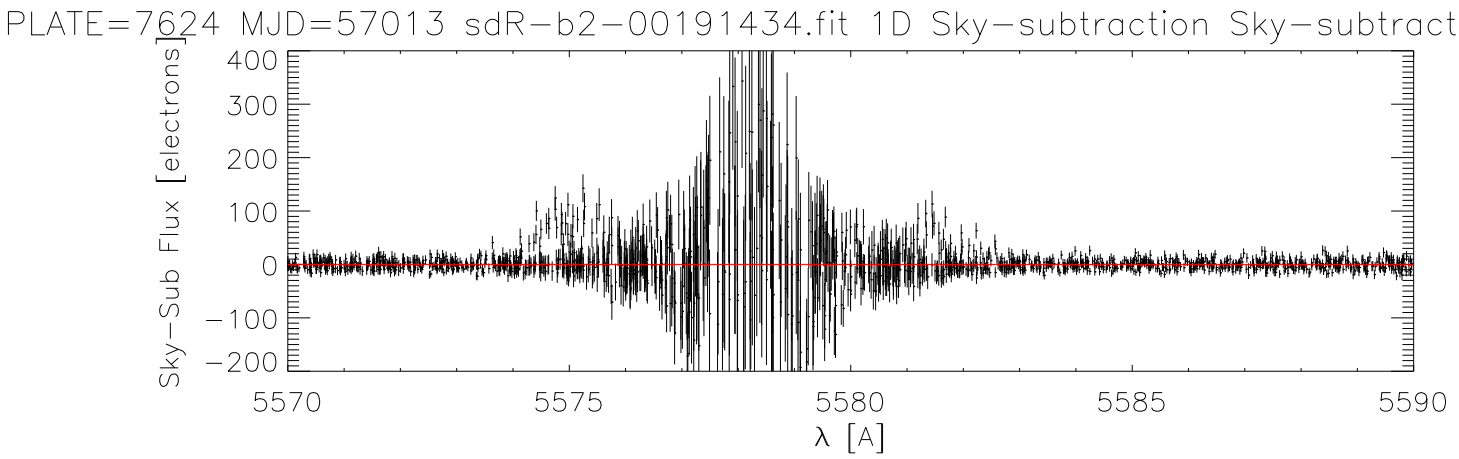

PLATE=7624 MJD=57013 Extraction chi$^2$ for sdR-b2-00191434.fit
BLACK = Final chisq extraction
$\chi^2$
1.0
0.8
0.6
0.4
0.2
0.0
0
1000
2000
3000
4000
Row number


PLATE=7624 MJD=57013 Sky Line Deviations for sdR-b2-00191434.fit
Before shift
After shift
1.00 pix
Fiber Number
0
100
200
300
400
500
4046
4358
5460
5577
6300
6363
6553
6923
6949
Sky Line Wavelength

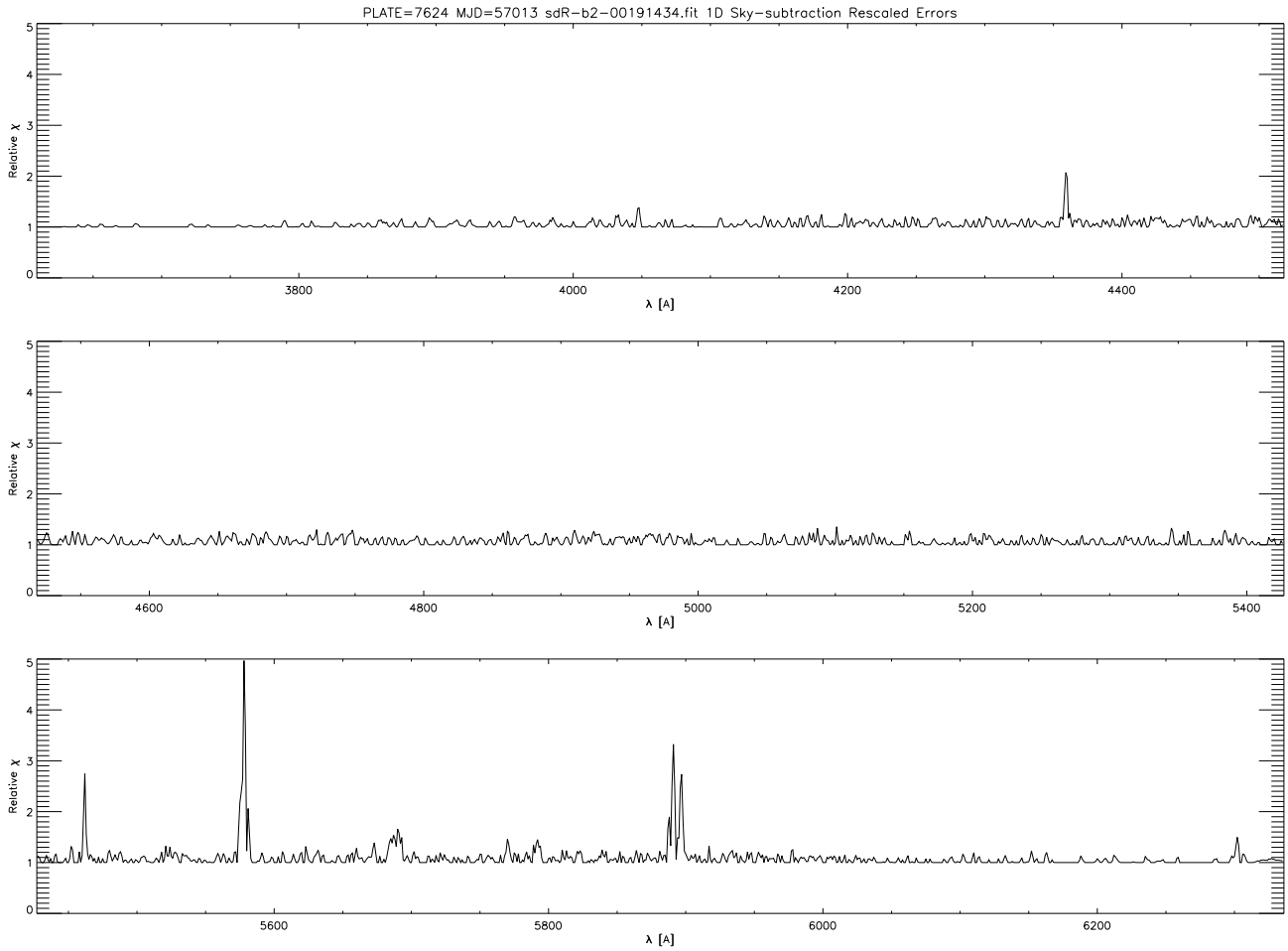

PLATE=7624 MJD=57013 Smooth superflat for sdR-b2-00191434.fit
2.0
1.5
1.0
0.5
0.0
1.04
1.02
1.00
0.98
0.96
3000
4000
5000
6000
7000
Wavelength (Å)

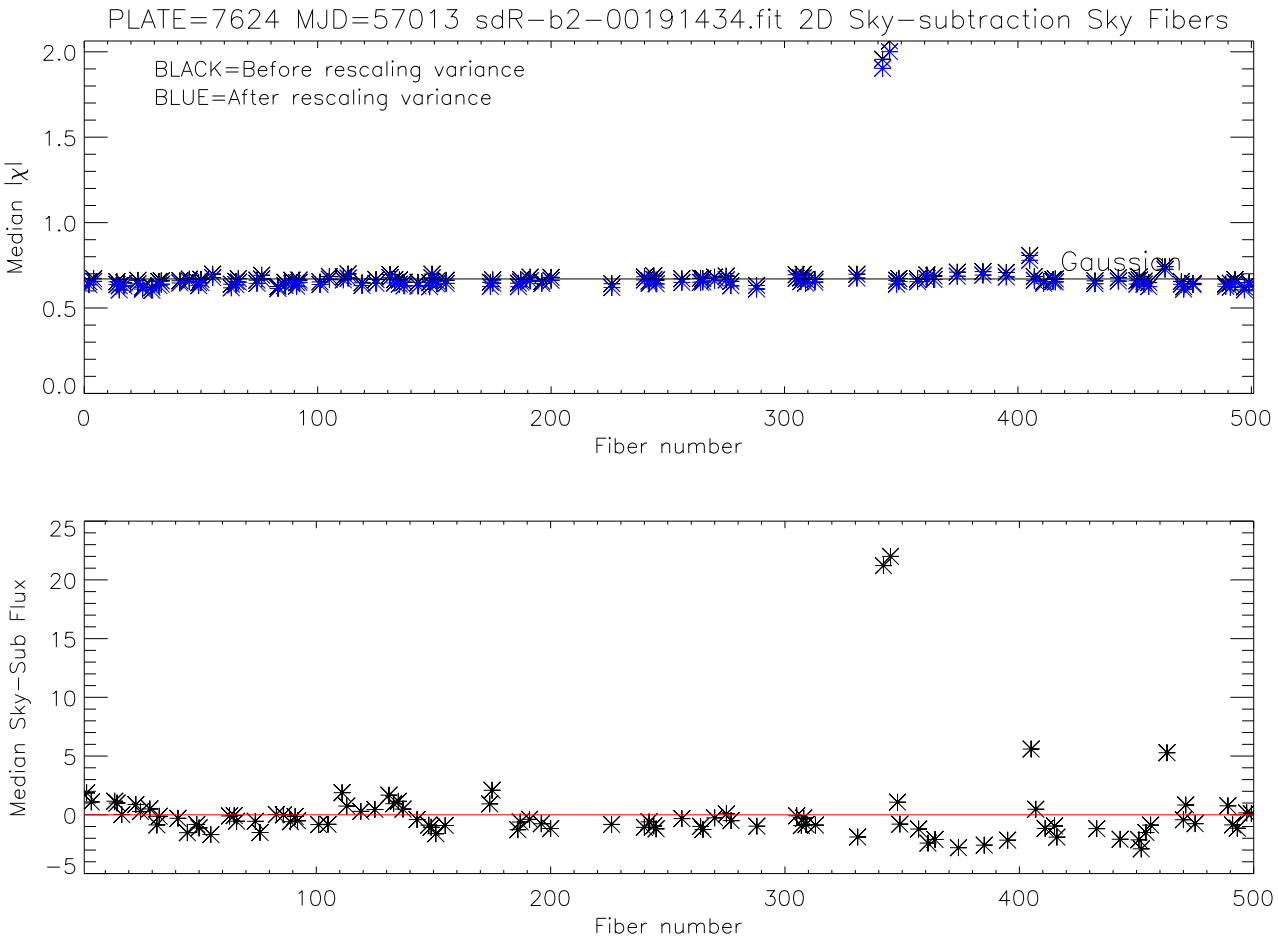

PLATE=7624 MJD=57013 sdR-b2-00191434.fit 1D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

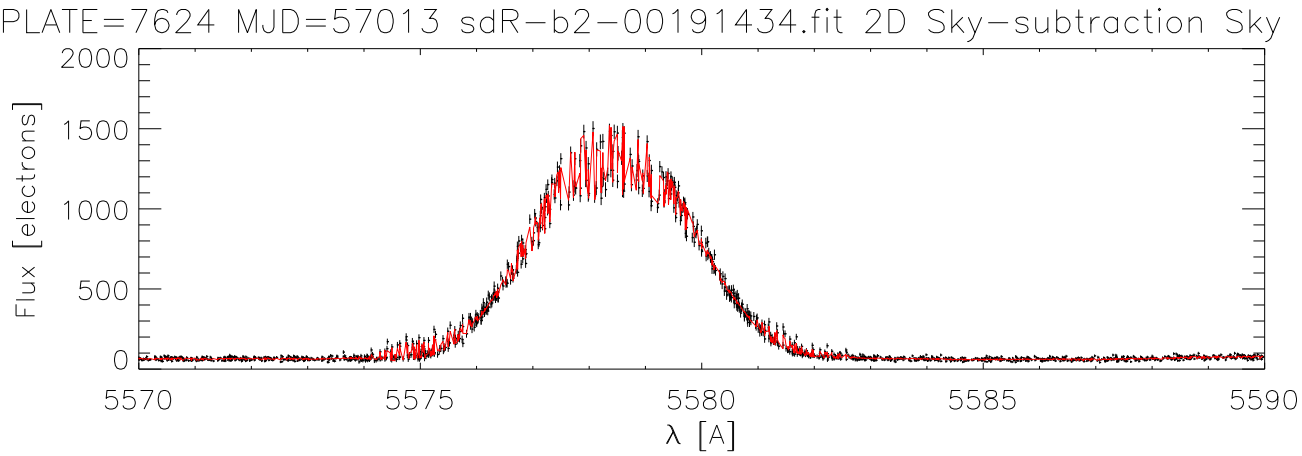

PLATE=7624 MJD=57013 sdR-b2-00191434.fit 1D Sky-subtraction Sky Fibers
Flux [electrons]
2000
1500
1000
500
0
5570
5575
5580
5585
5590
λ [A]

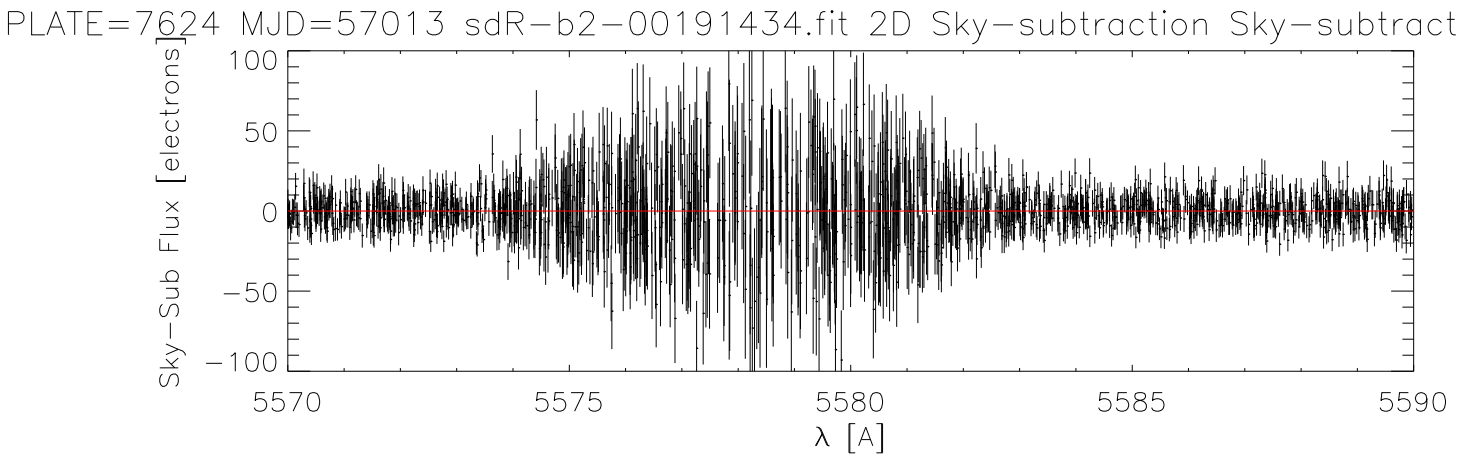

PLATE=7624 MJD=57013 sdR-b2-00191434.fit 1D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
400
300
200
100
0
-100
-200
5570
5575
5580
5585
5590
λ [A]

Number of sky fibers = 95

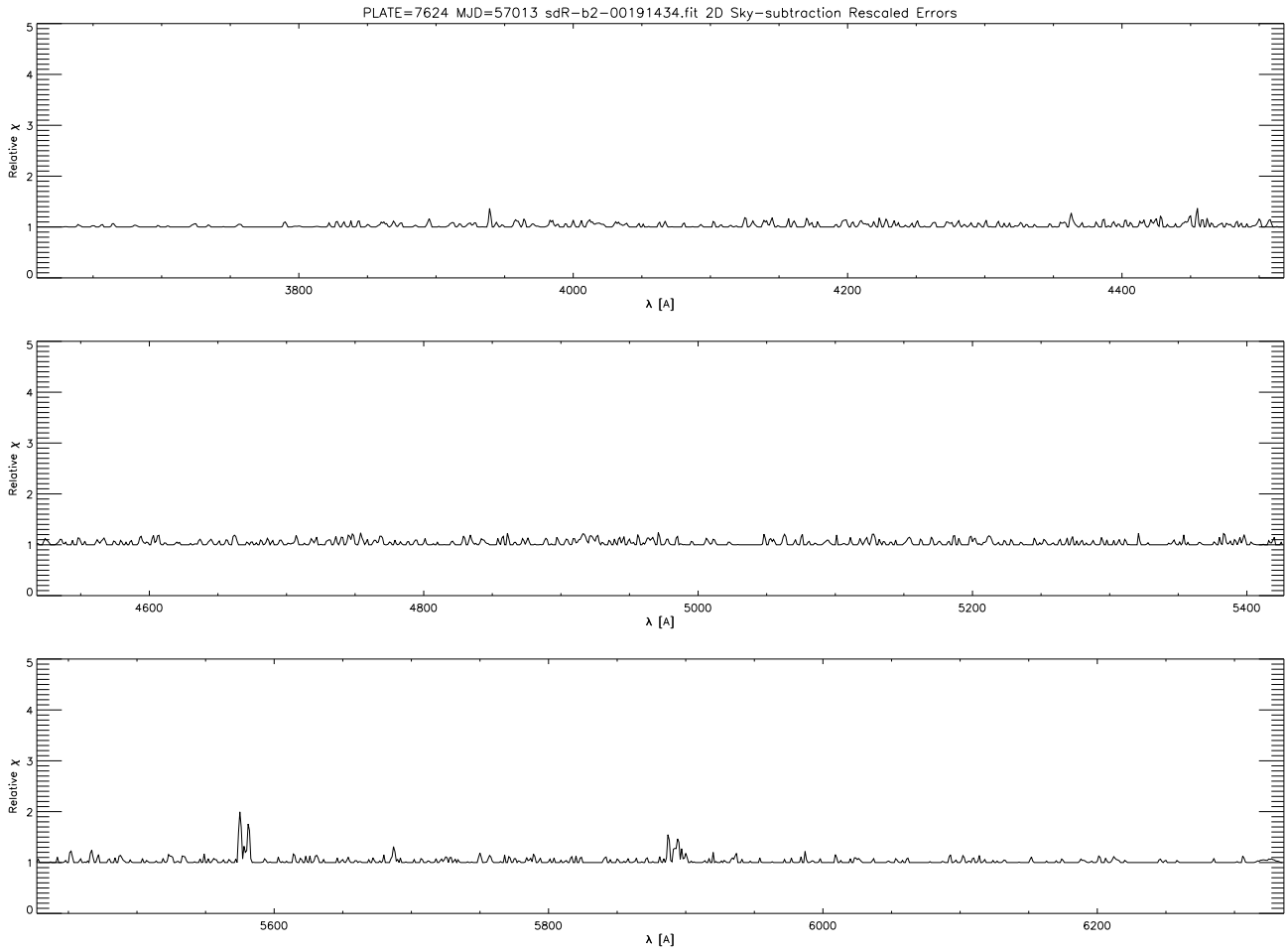


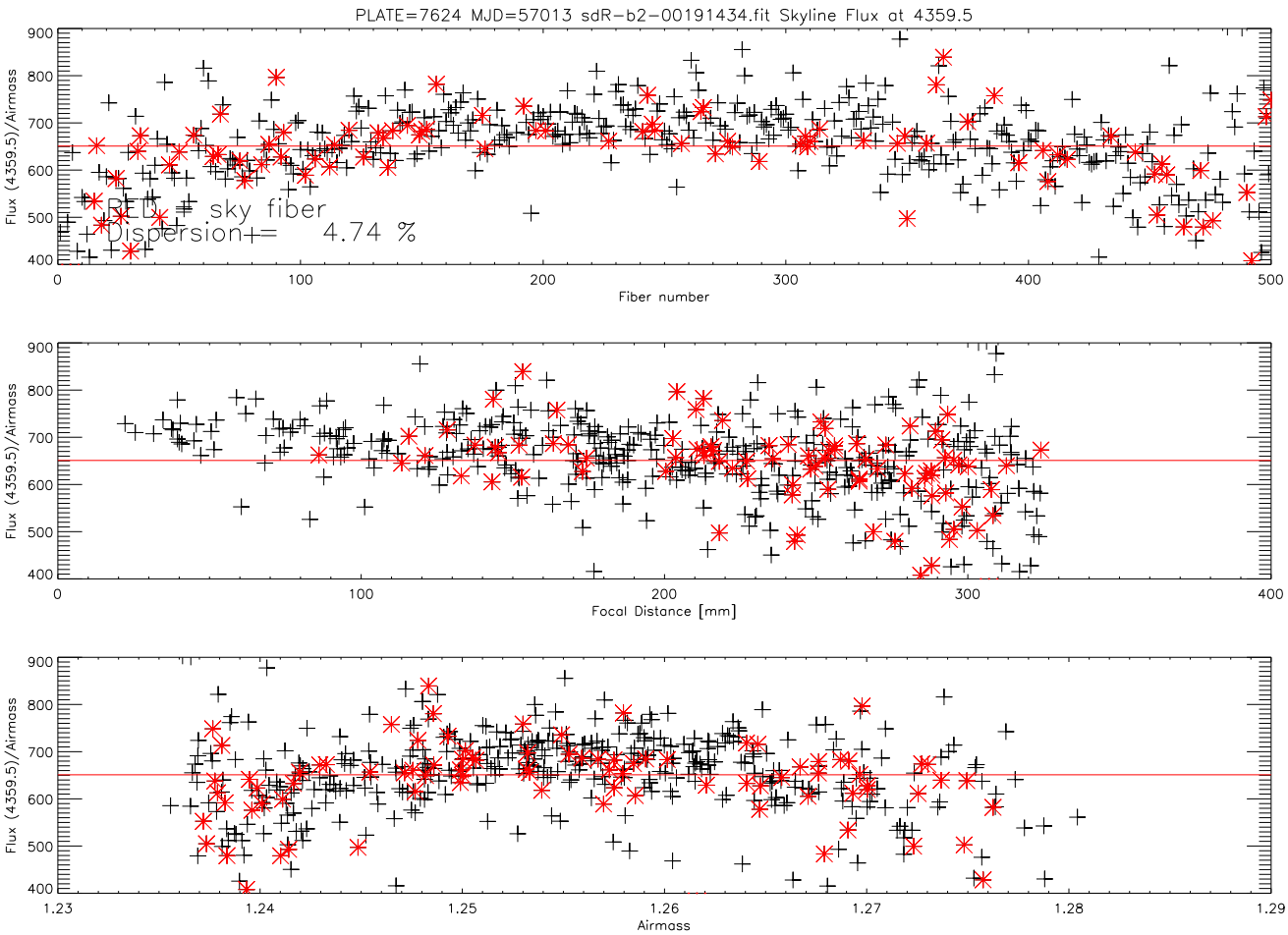

PLATE=7624 MJD=57013 sdR-b2-00191434.fit 2D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

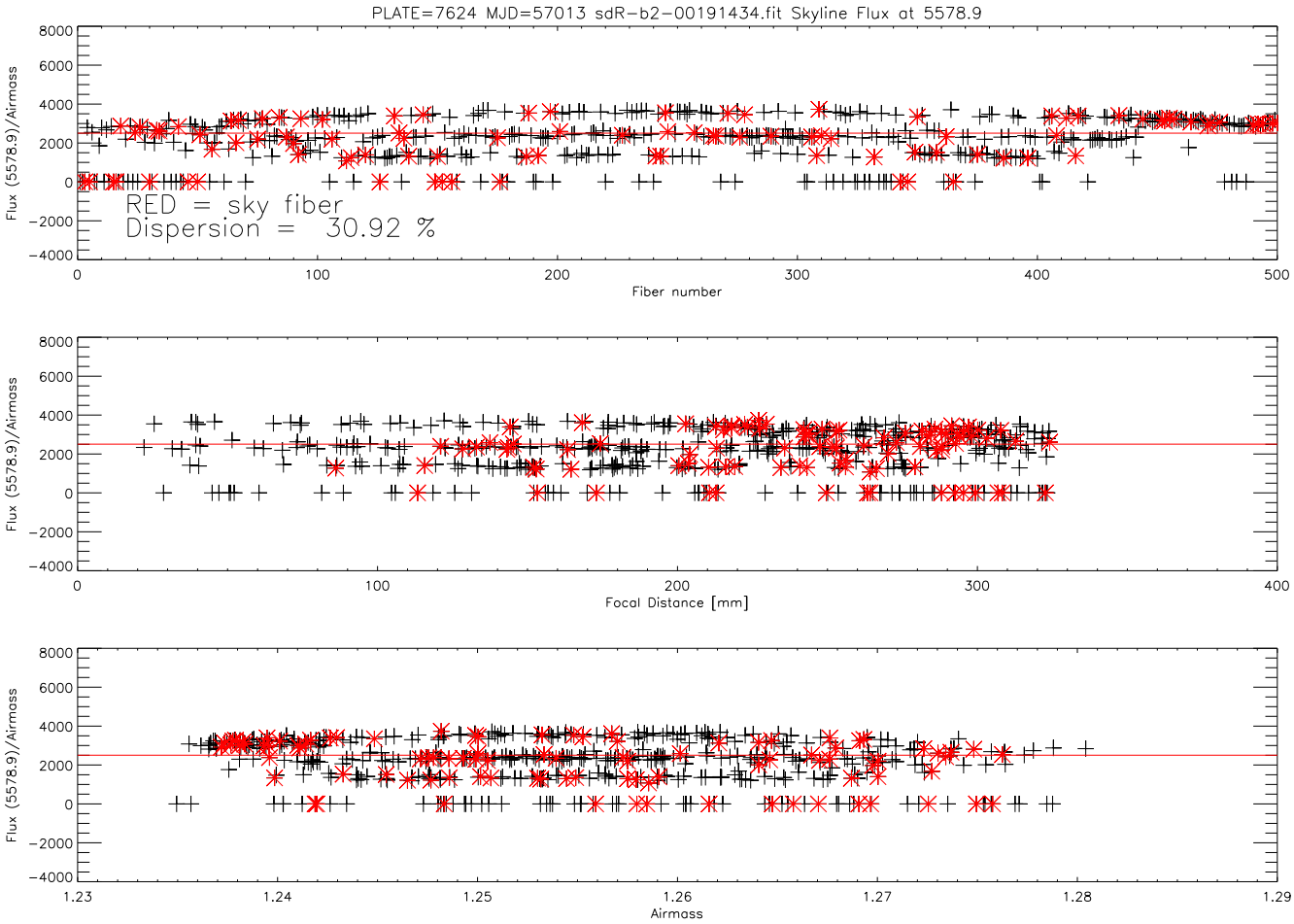

PLATE=7624 MJD=57013 sdR-b2-00191434.fit 2D Sky-subtraction Sky Fibers
Flux [electrons]
2000
1500
1000
500
0
5570
5575
5580
5585
5590
λ [A]

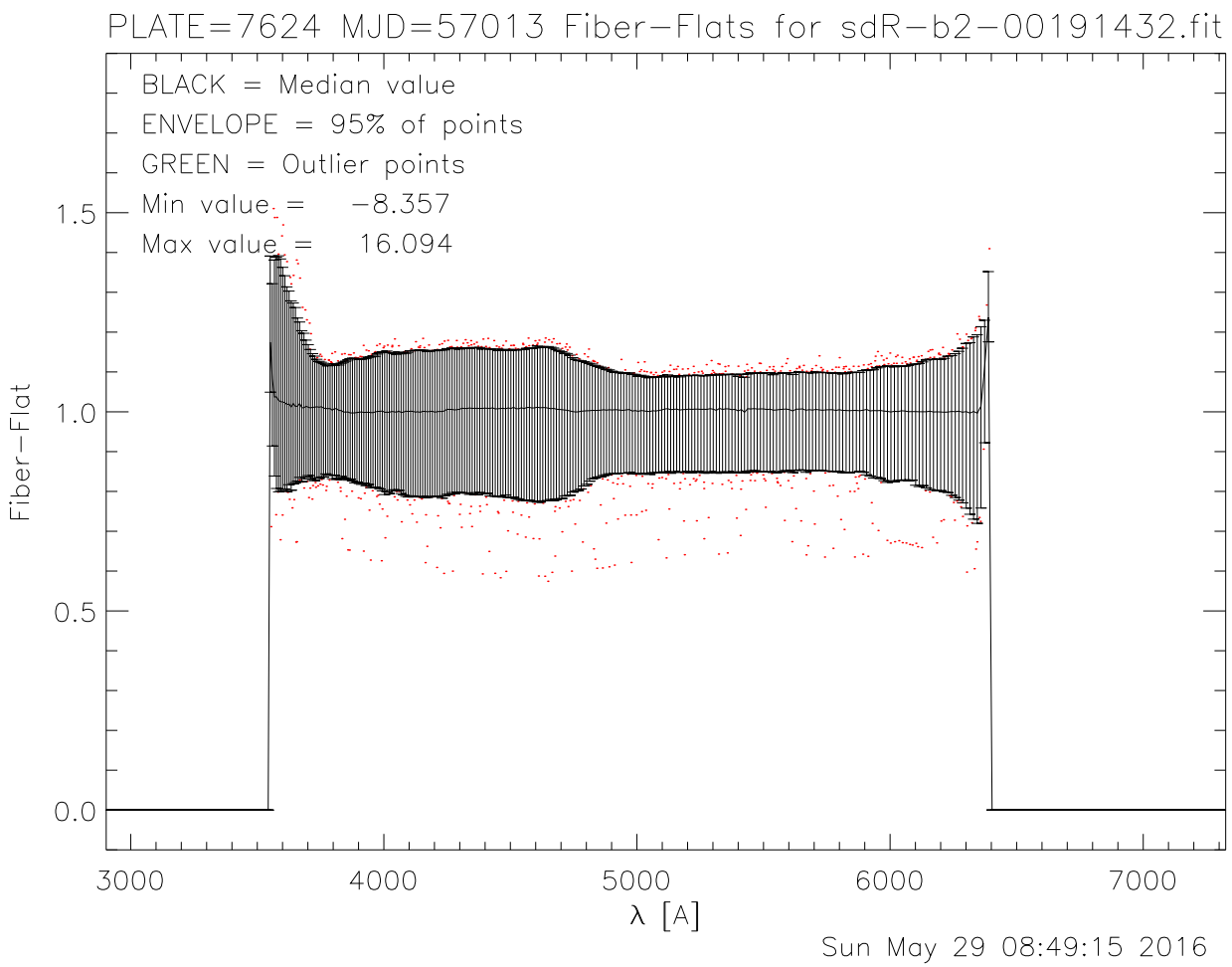

PLATE=7624 MJD=57013 sdR-b2-00191434.fit 2D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
100
50
0
-50
-100
5570
5575
5580
5585
5590
λ [A]

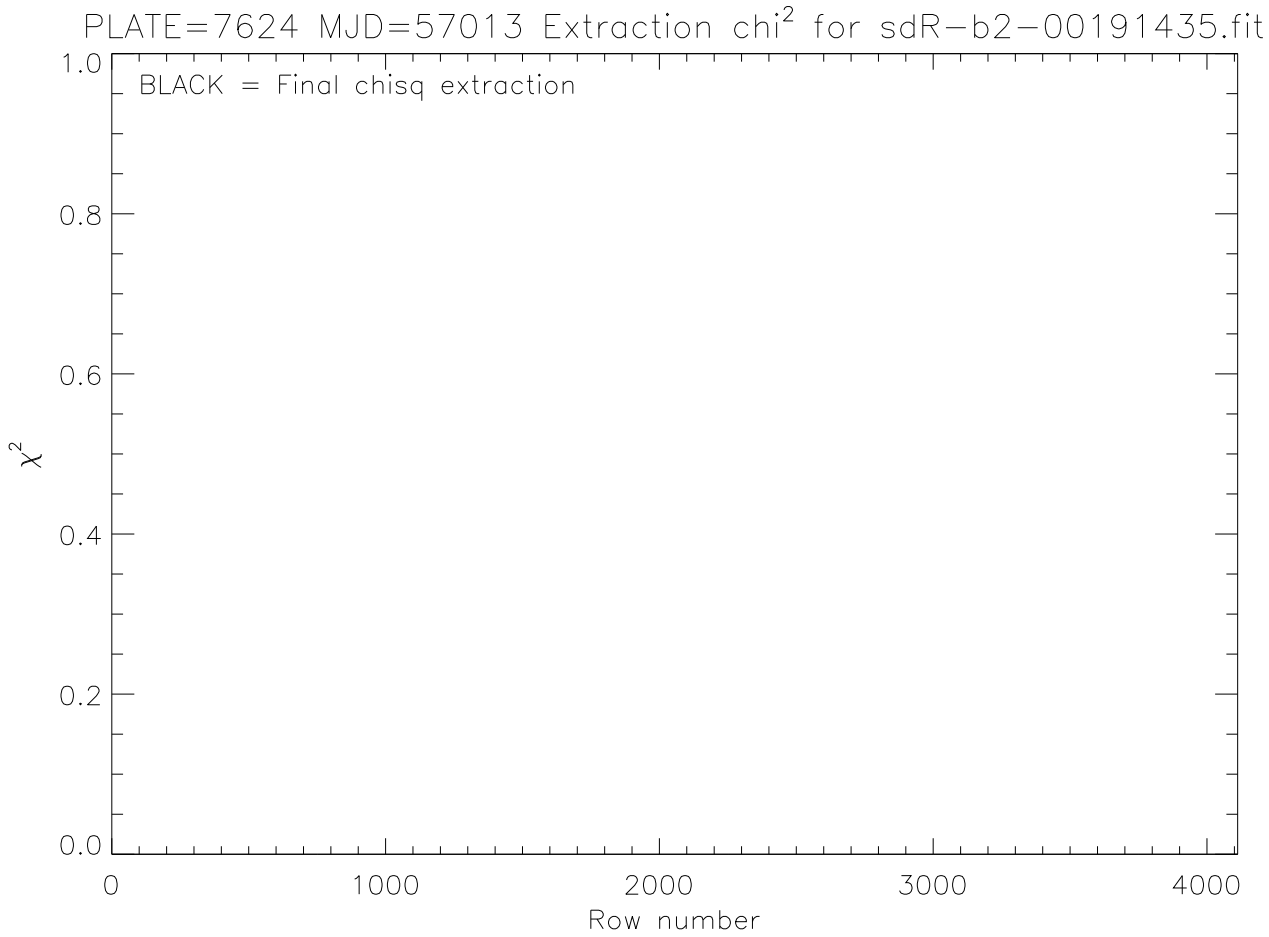
Number of sky fibers = 95

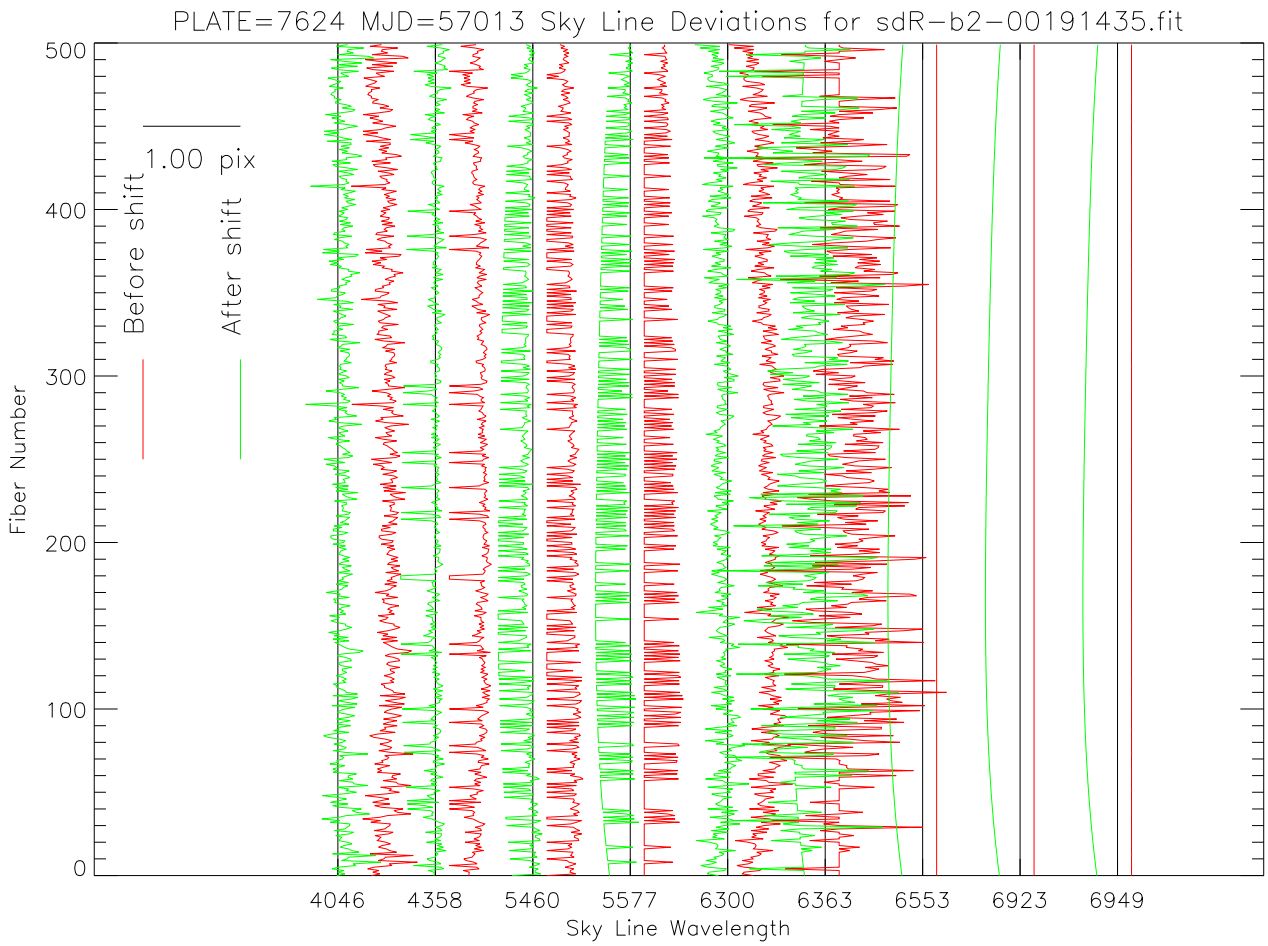


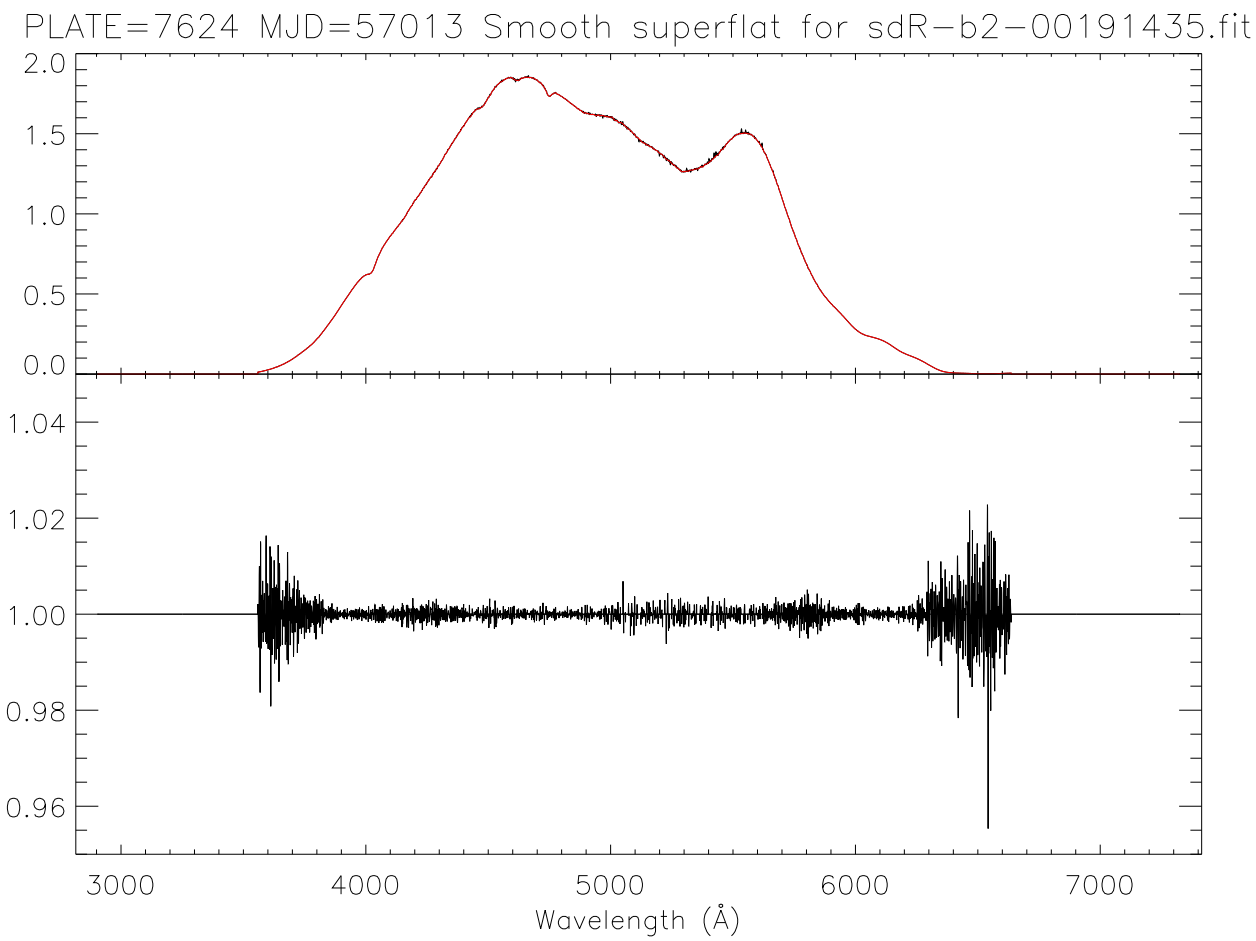

PLATE=7624 MJD=57013 sdR-b2-00191434.fit Skyline Flux at 4359.5
Flux (4359.5)/Airmass
Fiber number
Focal Distance [mm]
Airmass
900
800
700
600
500
400
0
100
200
300
400
500
1.23
1.24
1.25
1.26
1.27
1.28
1.29
RED sky fiber
Dispersion+= 4.74 %

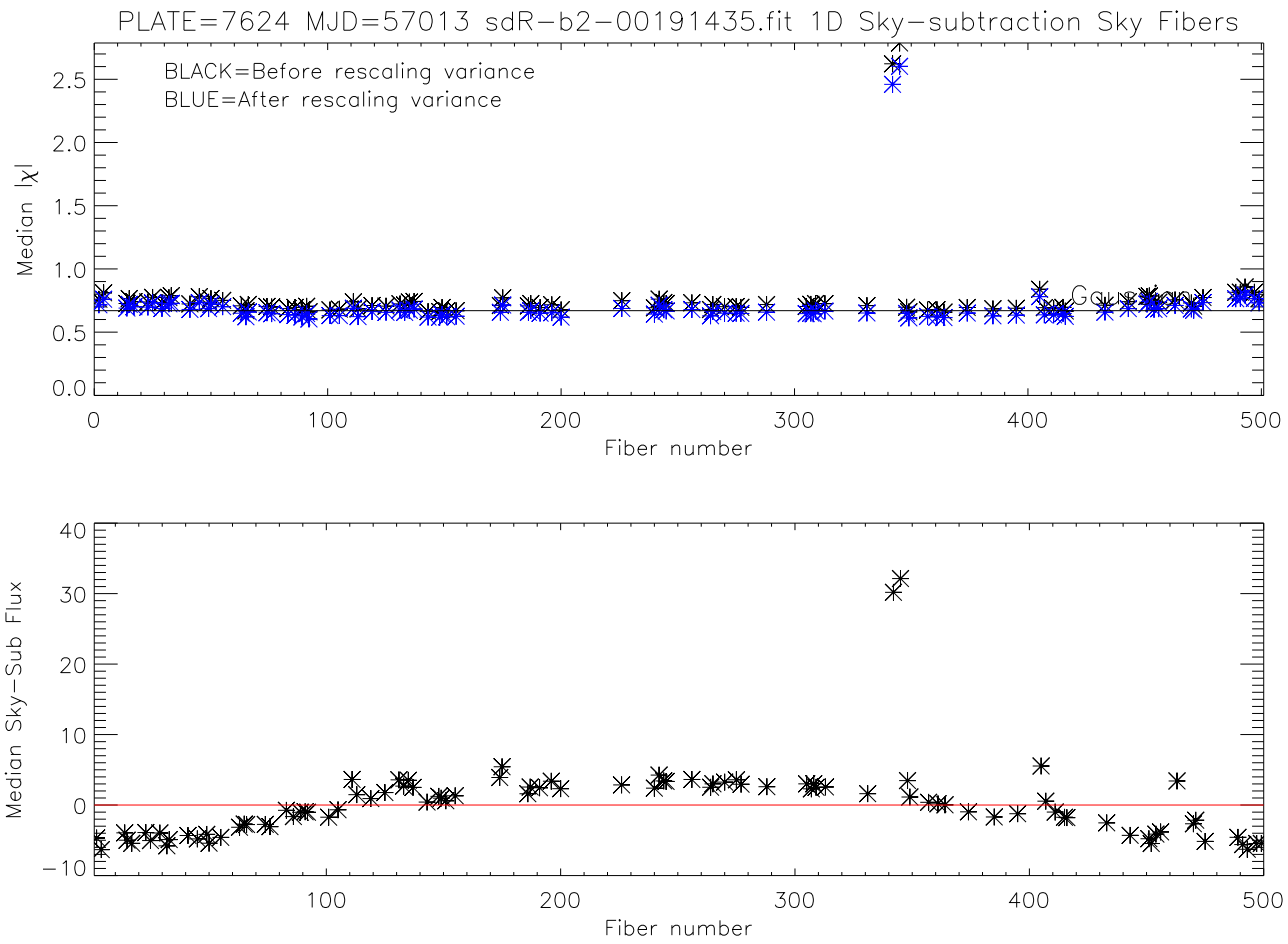

PLATE=7624 MJD=57013 sdR-b2-00191434.fit Skyline Flux at 5578.9
Flux (5578.9)/Airmass
RED = sky fiber
Dispersion = 30.92 %
Fiber number
Flux (5578.9)/Airmass
Focal Distance [mm]
Flux (5578.9)/Airmass
Airmass

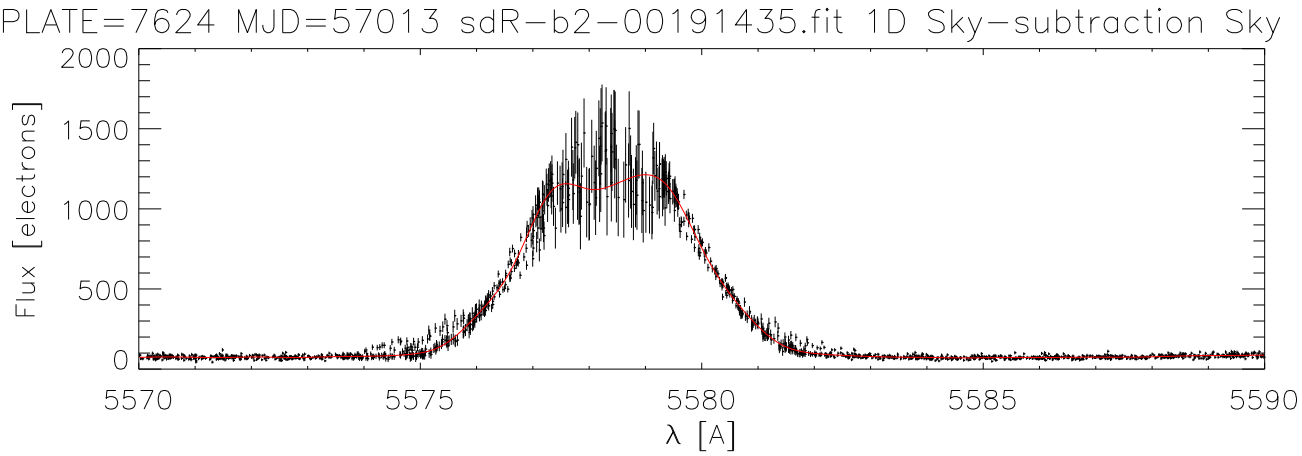

PLATE=7624 MJD=57013 Fiber−Flats for sdR−b2−00191432.fit
BLACK = Median value
ENVELOPE = 95% of points
GREEN = Outlier points
Min value = −8.357
Max value = 16.094
Fiber−Flat
1.5
1.0
0.5
0.0
3000
4000
5000
6000
7000
λ [A]
Sun May 29 08:49:15 2016

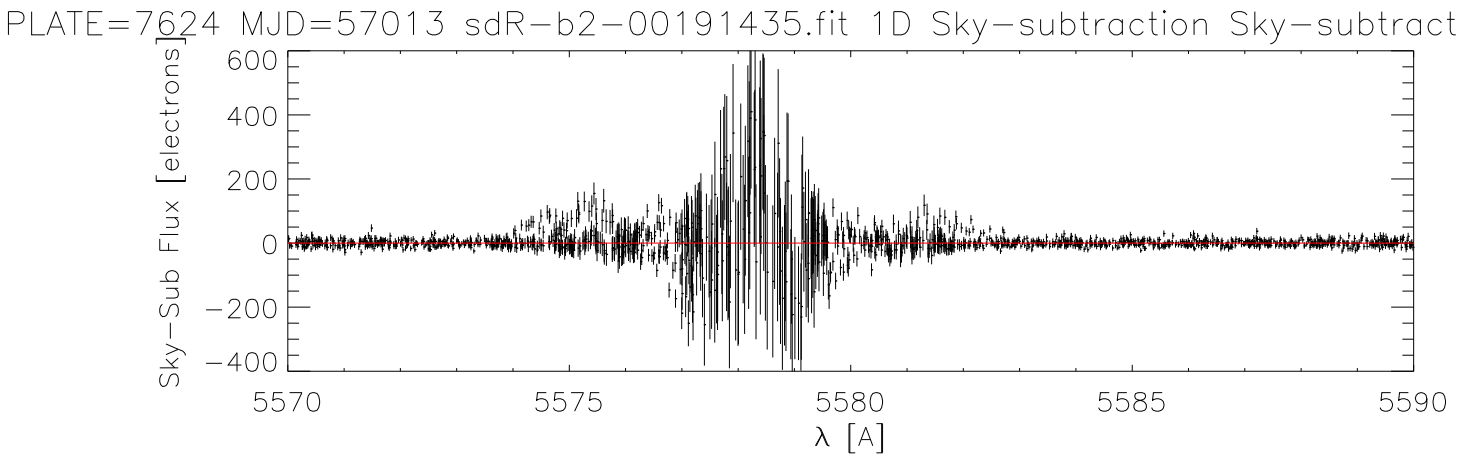

PLATE=7624 MJD=57013 Extraction chi$^2$ for sdR-b2-00191435.fit
BLACK = Final chisq extraction
$\chi^2$
1.0
0.8
0.6
0.4
0.2
0.0
0
1000
2000
3000
4000
Row number


PLATE=7624 MJD=57013 Sky Line Deviations for sdR-b2-00191435.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

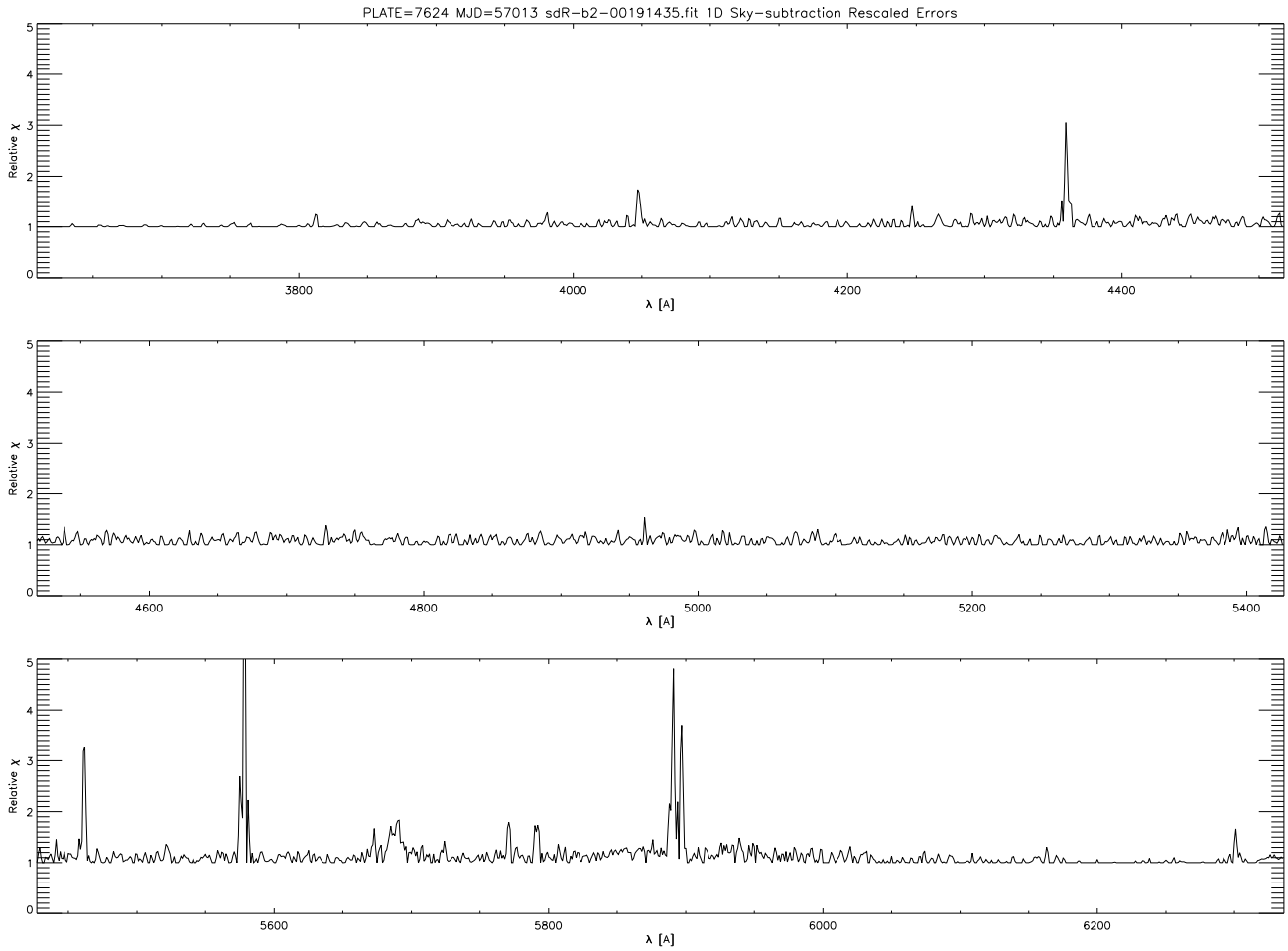

PLATE=7624 MJD=57013 Smooth superflat for sdR-b2-00191435.fit
2.0
1.5
1.0
0.5
0.0
1.04
1.02
1.00
0.98
0.96
3000
4000
5000
6000
7000
Wavelength (Å)

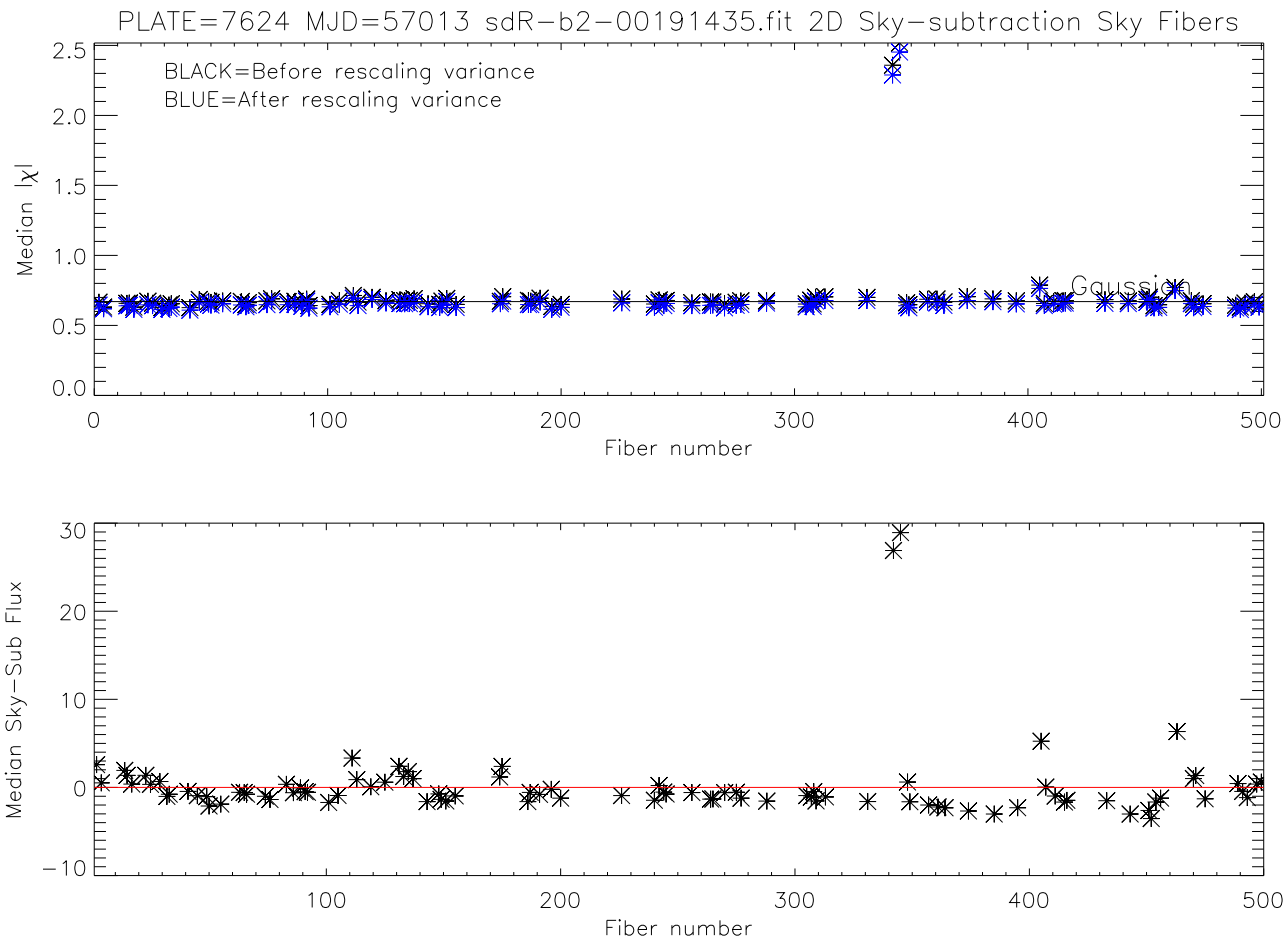

PLATE=7624 MJD=57013 sdR-b2-00191435.fit 1D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

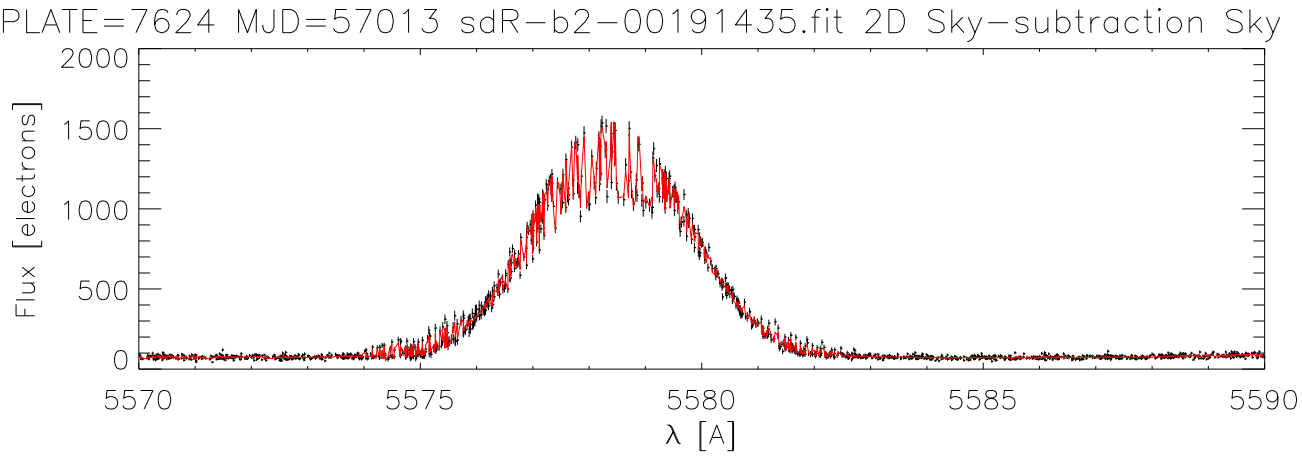

PLATE=7624 MJD=57013 sdR-b2-00191435.fit 1D Sky-subtraction Sky Fibers
Flux [electrons]
2000
1500
1000
500
0
5570
5575
5580
5585
5590
λ [A]

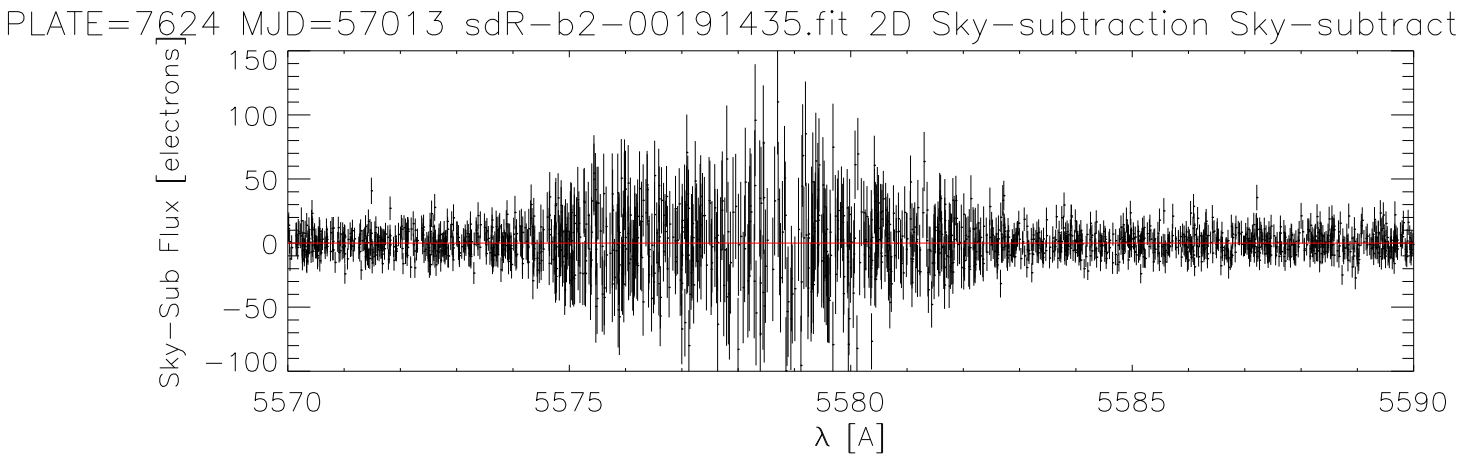

PLATE=7624 MJD=57013 sdR-b2-00191435.fit 1D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
600
400
200
0
-200
-400
5570
5575
5580
5585
5590
λ [A]

Number of sky fibers = 95

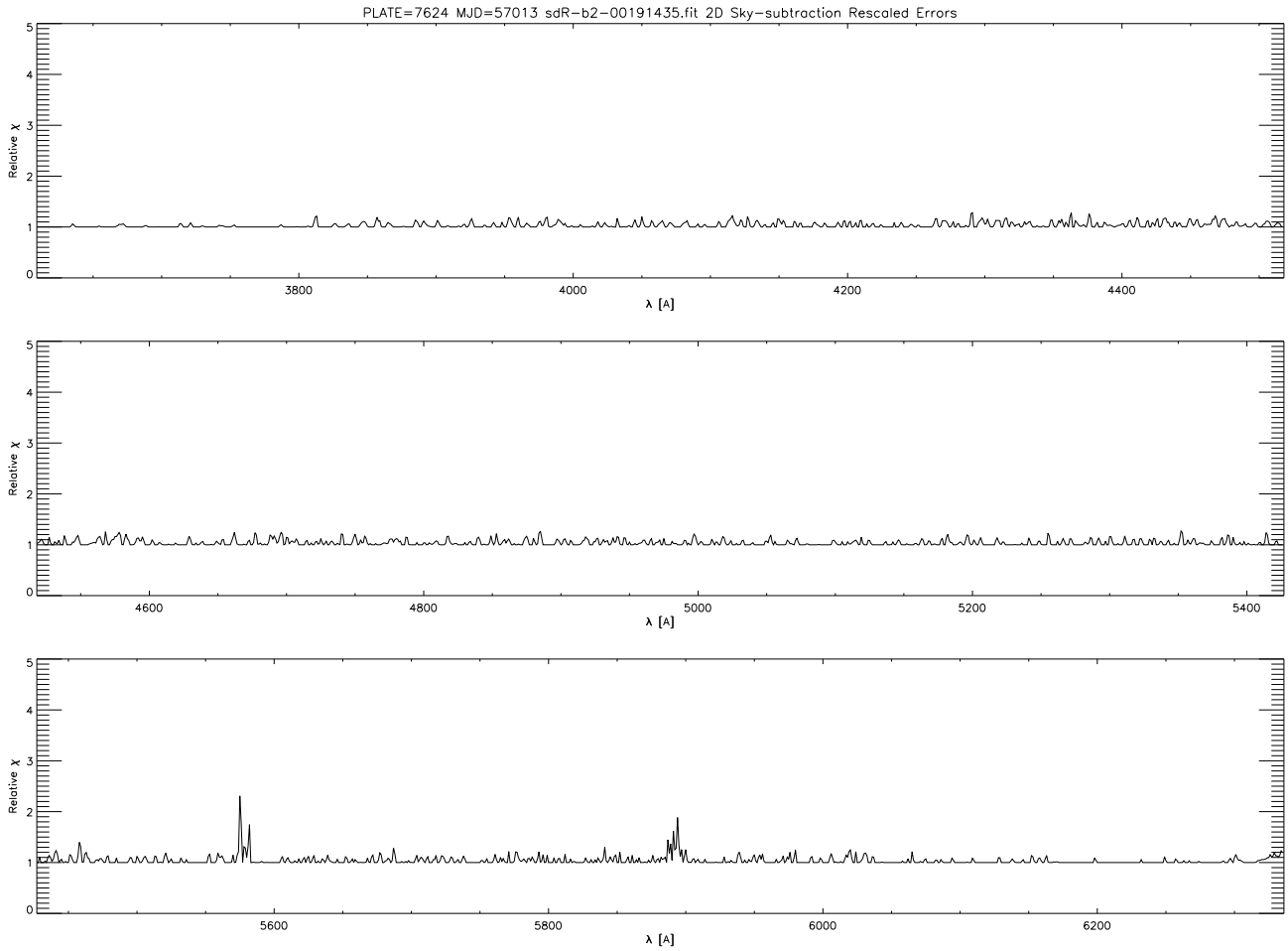


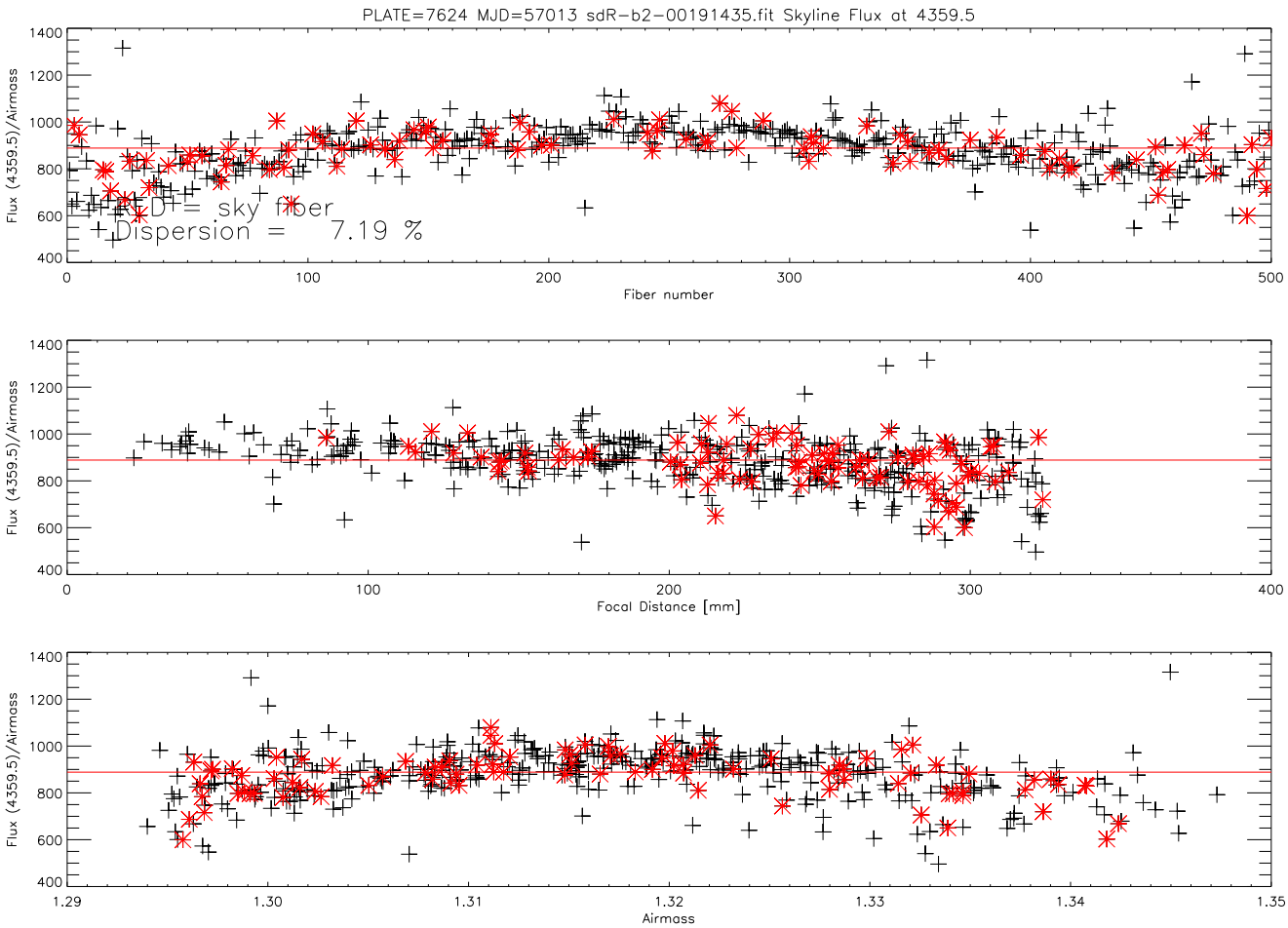

PLATE=7624 MJD=57013 sdR-b2-00191435.fit 2D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Median |χ|
Gaussian
Fiber number
Median Sky-Sub Flux
Fiber number

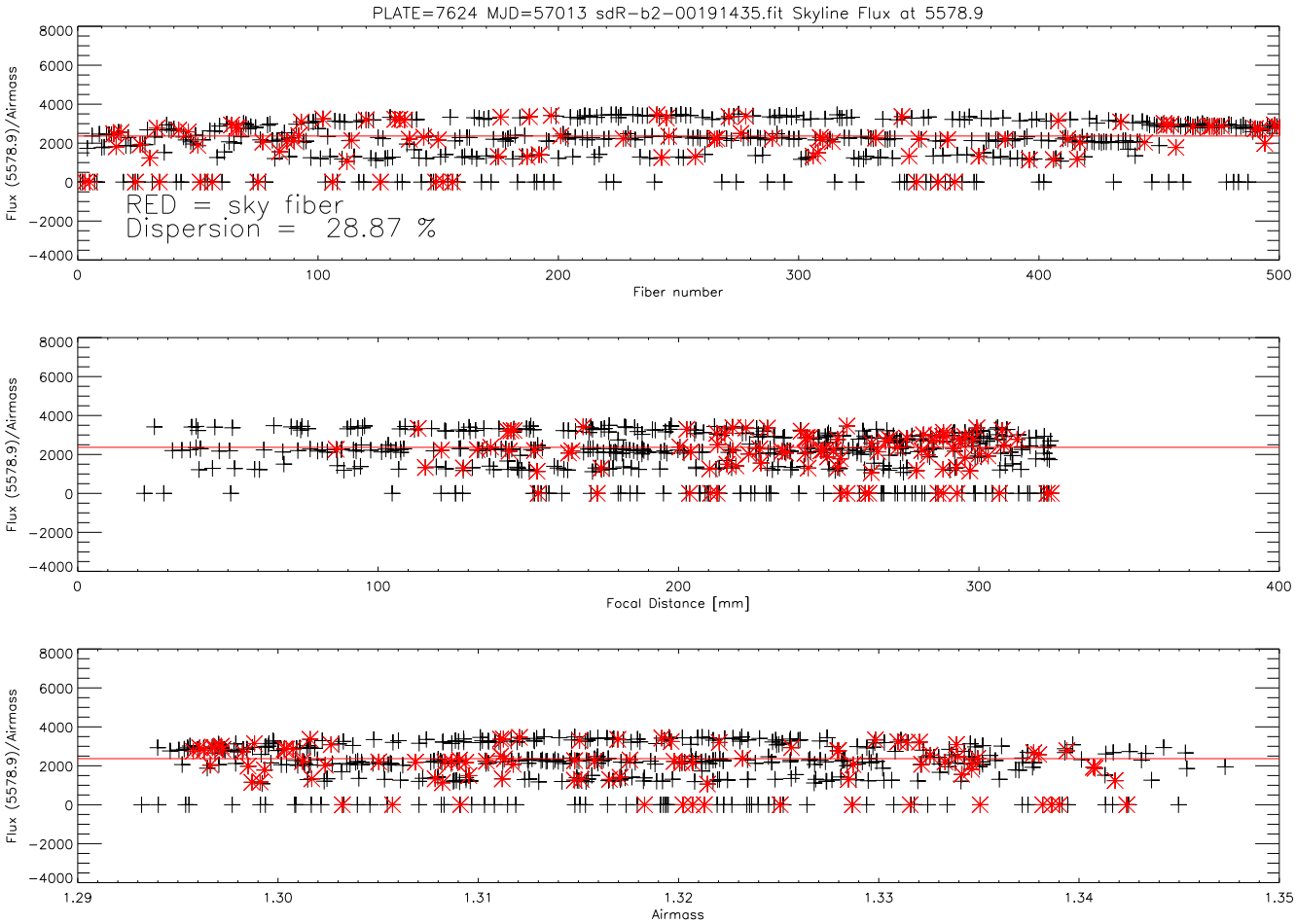

PLATE=7624 MJD=57013 sdR-b2-00191435.fit 2D Sky-subtraction Sky Fibers
Flux [electrons]
2000
1500
1000
500
0
5570
5575
5580
5585
5590
λ [A]

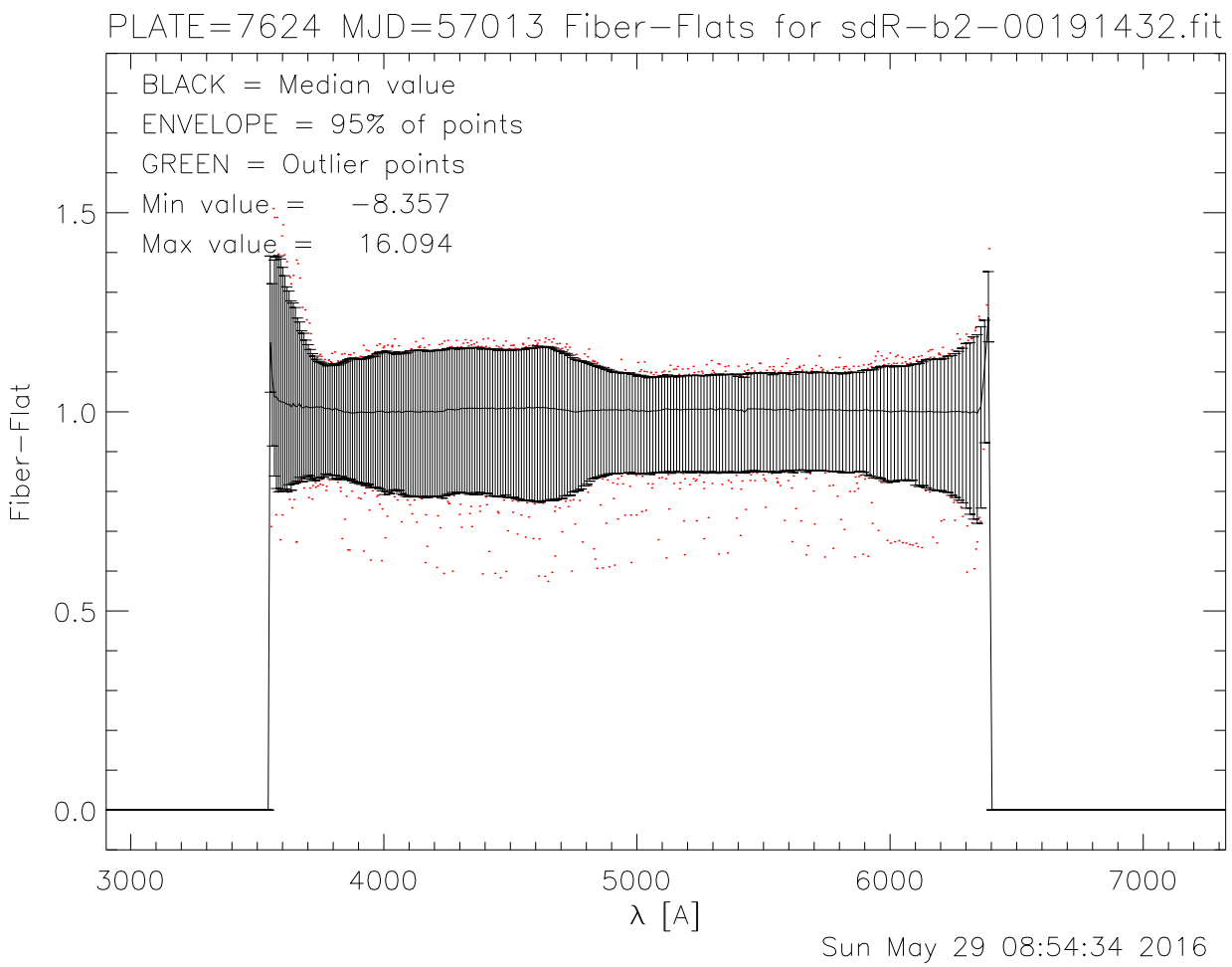

PLATE=7624 MJD=57013 sdR-b2-00191435.fit 2D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
150
100
50
0
-50
-100
5570
5575
5580
5585
5590
λ [A]

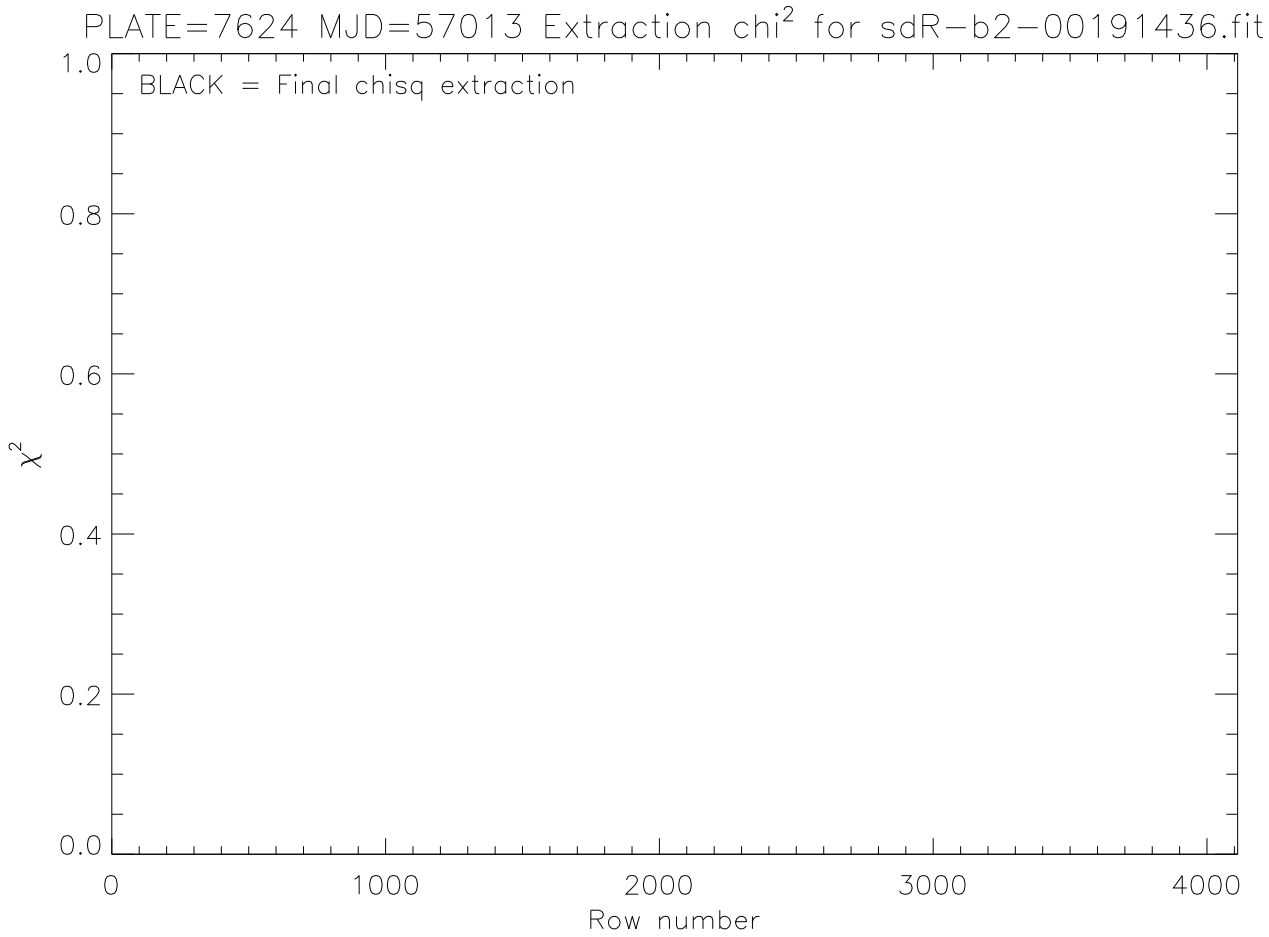
Number of sky fibers = 95

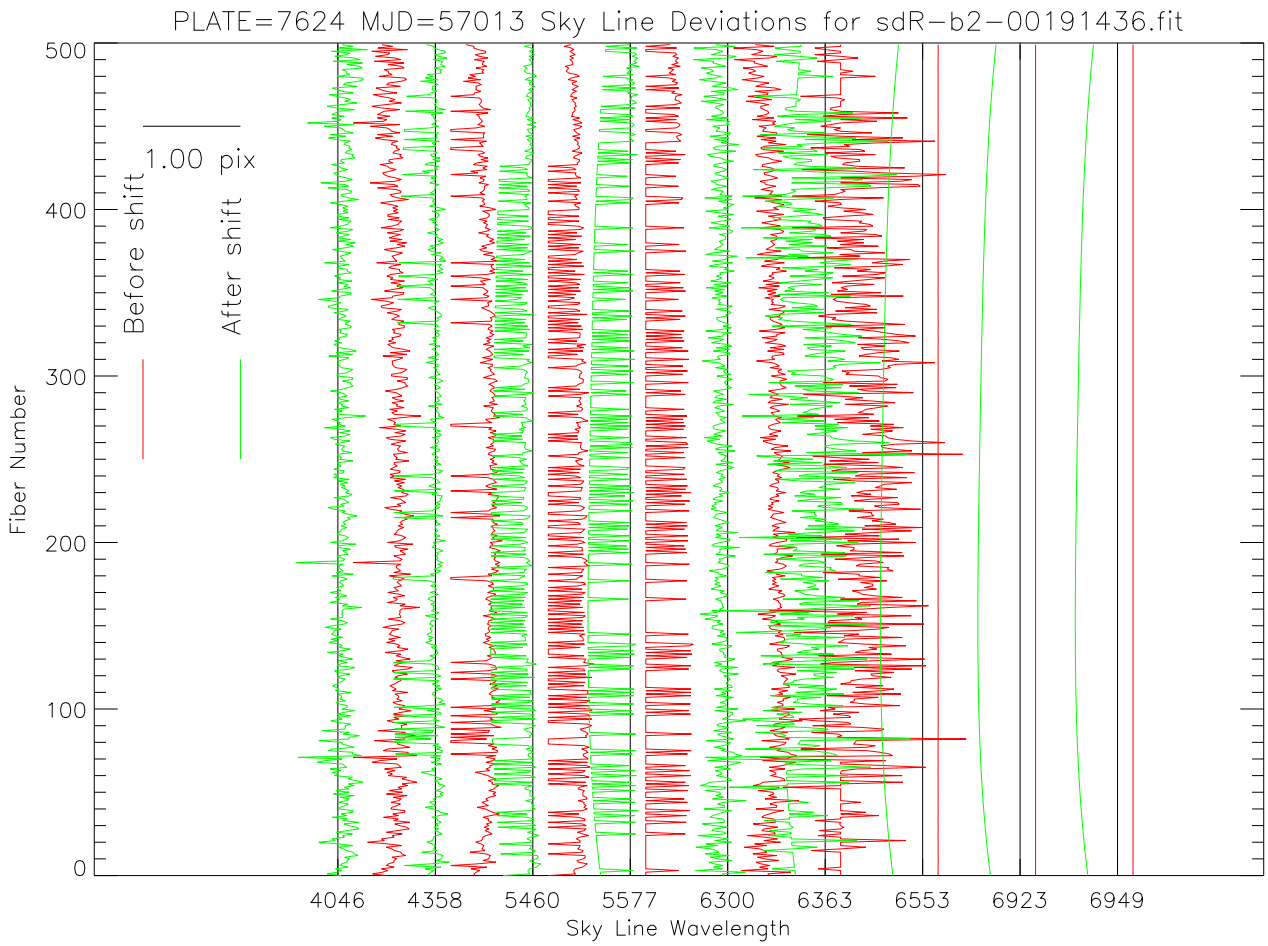


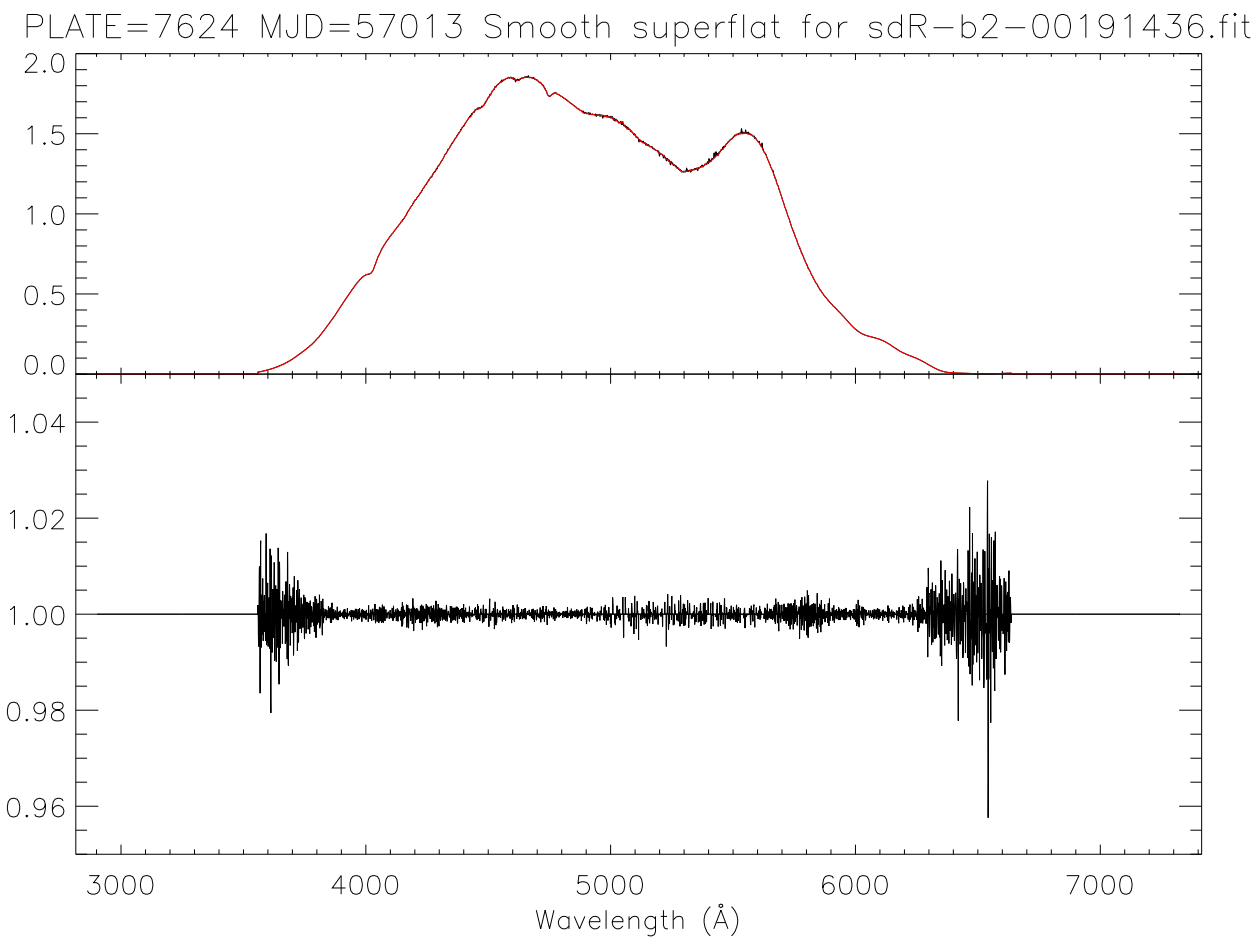

PLATE=7624 MJD=57013 sdR-b2-00191435.fit Skyline Flux at 4359.5
Flux (4359.5)/Airmass
Fiber number
KO= sky fiber
Dispersion = 7.19 %
Flux (4359.5)/Airmass
Focal Distance [mm]
Flux (4359.5)/Airmass
Airmass

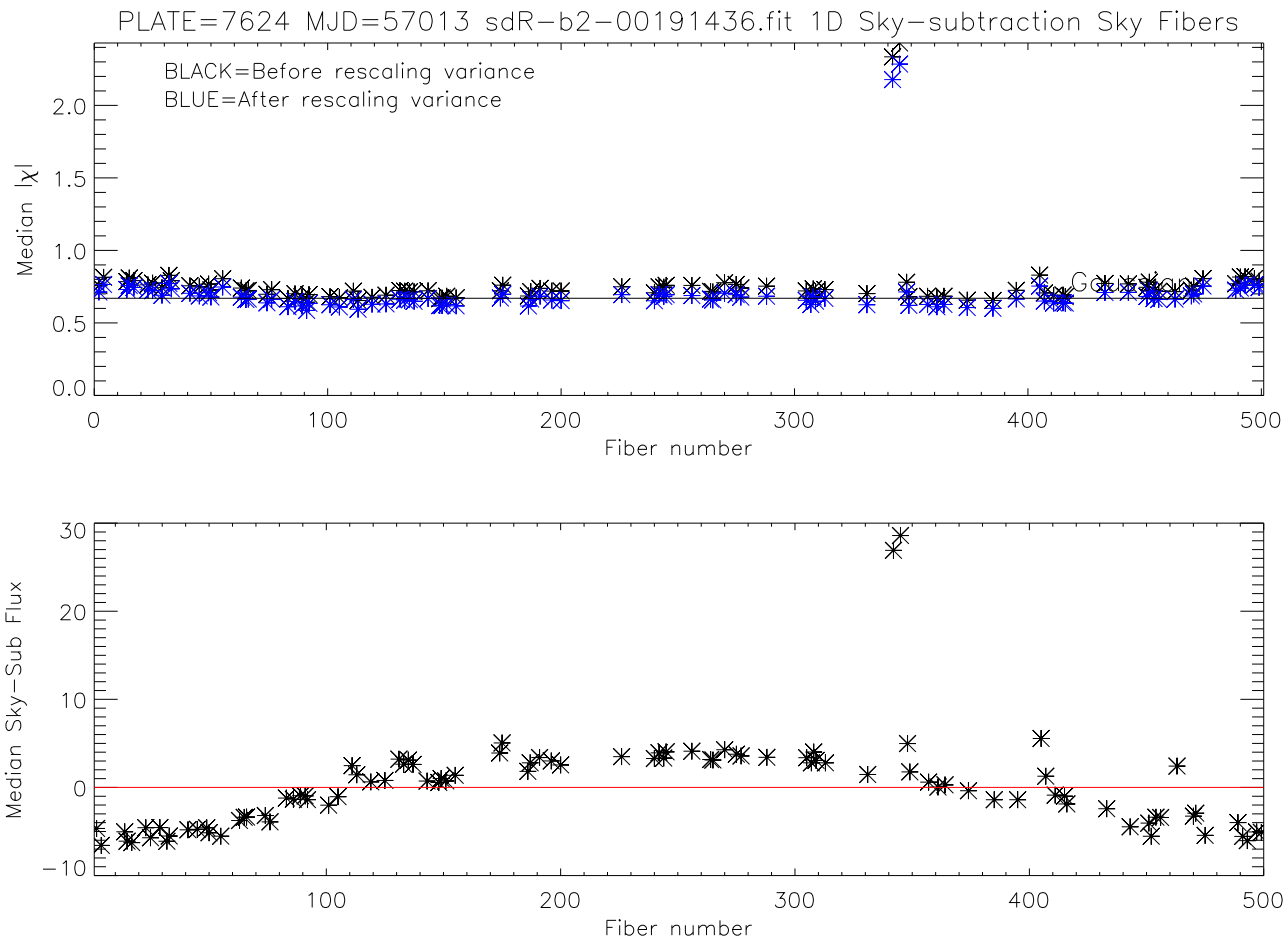

PLATE=7624 MJD=57013 sdR-b2-00191435.fit Skyline Flux at 5578.9
Flux (5578.9)/Airmass
RED = sky fiber
Dispersion = 28.87 %
Fiber number
Flux (5578.9)/Airmass
Focal Distance [mm]
Flux (5578.9)/Airmass
Airmass

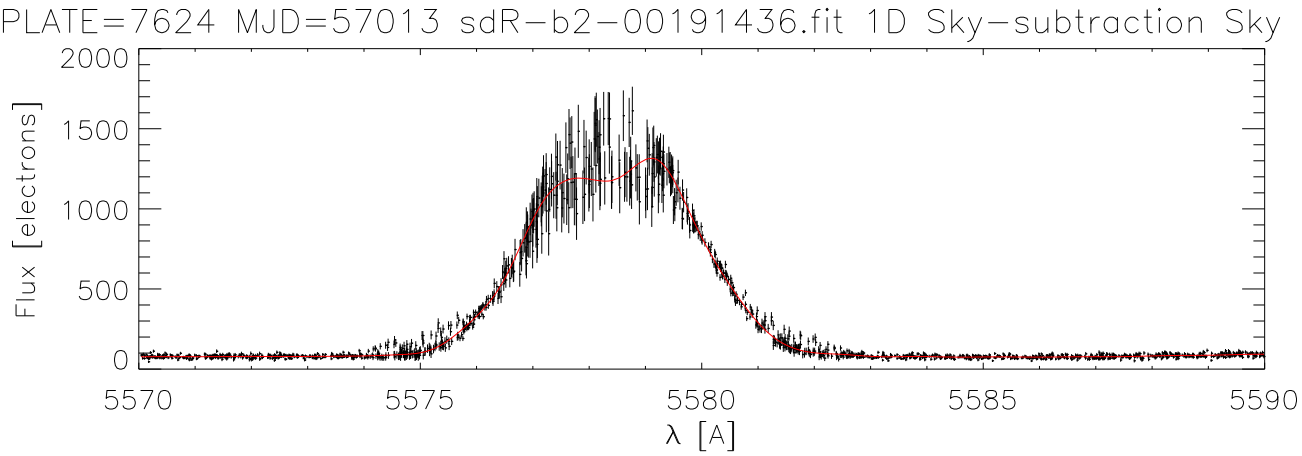

PLATE=7624 MJD=57013 Fiber−Flats for sdR−b2−00191432.fit
BLACK = Median value
ENVELOPE = 95% of points
GREEN = Outlier points
Min value = −8.357
Max value = 16.094
Fiber−Flat
1.5
1.0
0.5
0.0
3000
4000
5000
6000
7000
λ [A]
Sun May 29 08:54:34 2016

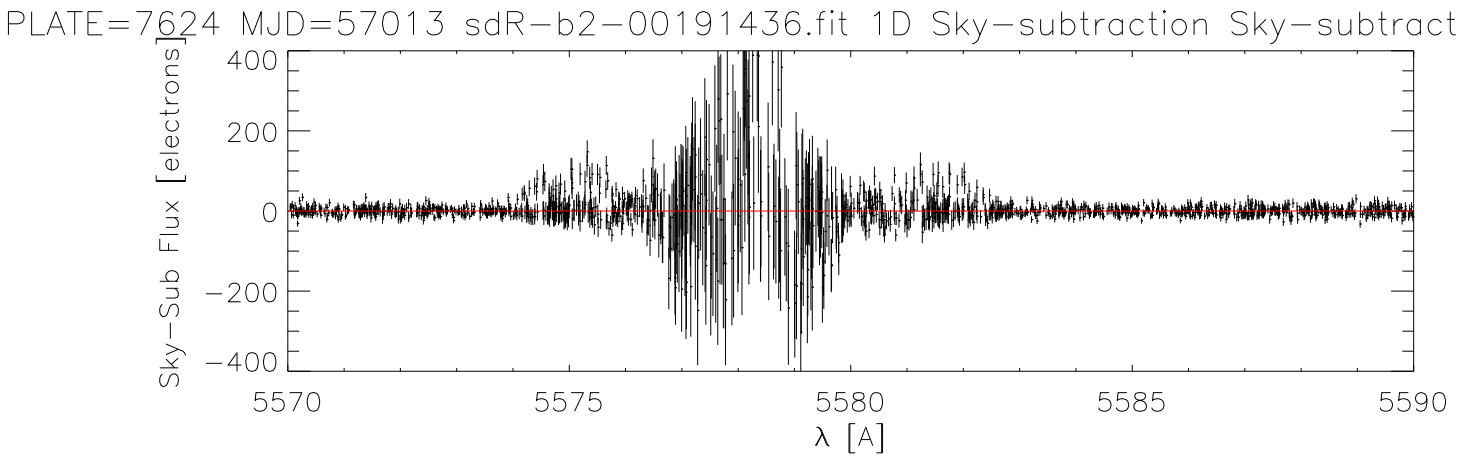

PLATE=7624 MJD=57013 Extraction chi$^2$ for sdR-b2-00191436.fit
BLACK = Final chisq extraction
$\chi^2$
1.0
0.8
0.6
0.4
0.2
0.0
0
1000
2000
3000
4000
Row number


PLATE=7624 MJD=57013 Sky Line Deviations for sdR-b2-00191436.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

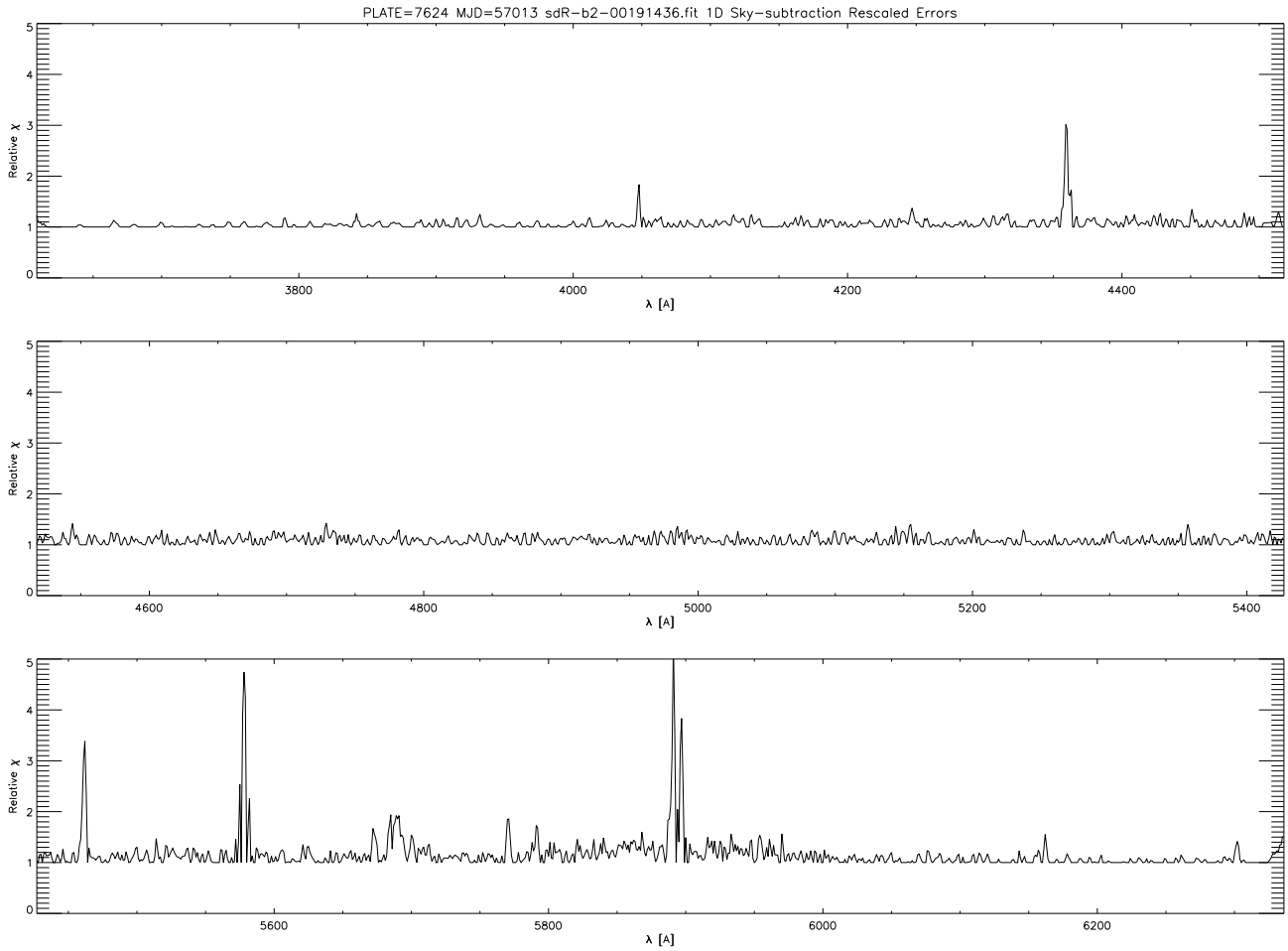

PLATE=7624 MJD=57013 Smooth superflat for sdR-b2-00191436.fit
2.0
1.5
1.0
0.5
0.0
1.04
1.02
1.00
0.98
0.96
3000
4000
5000
6000
7000
Wavelength (Å)

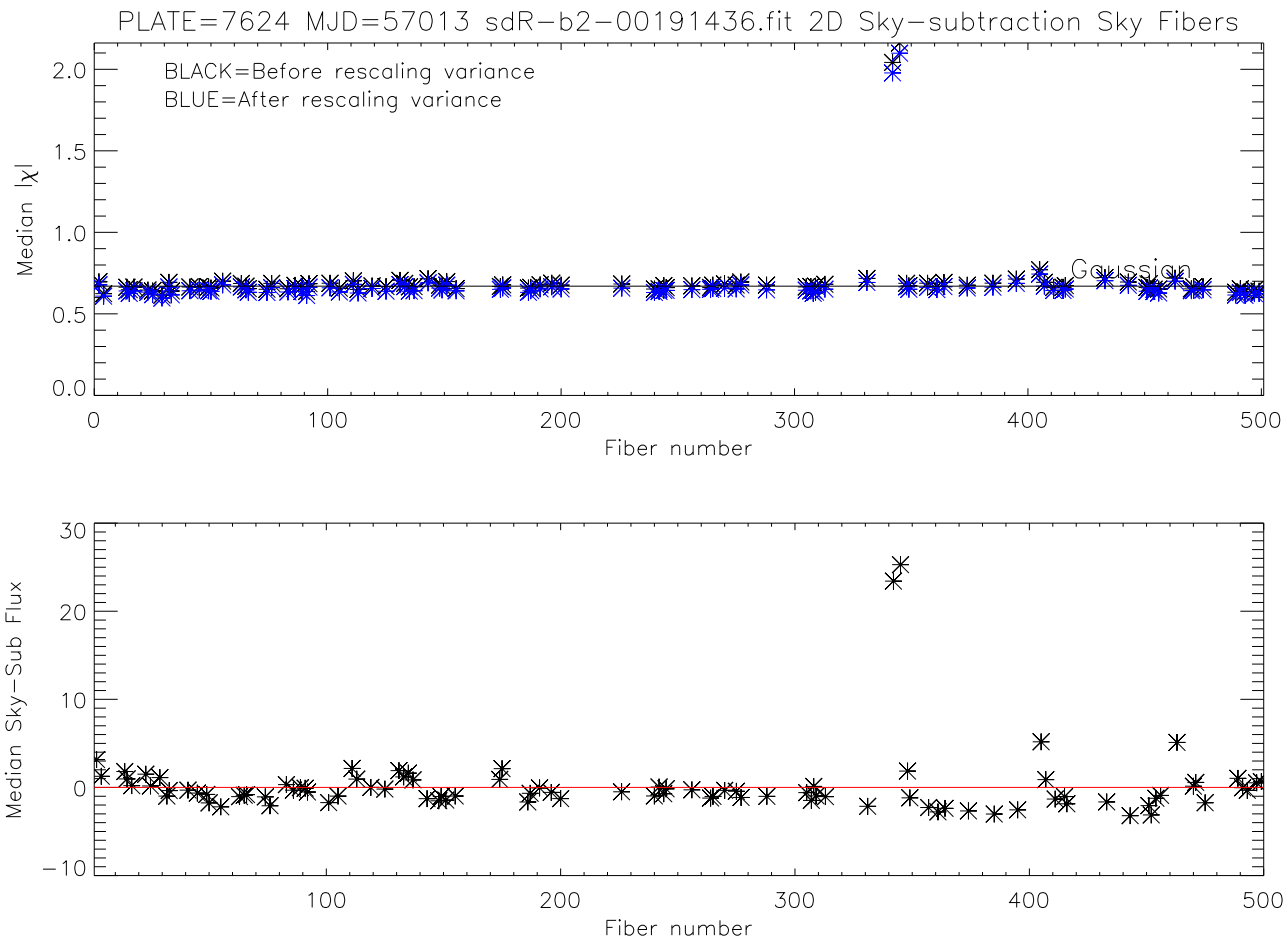

PLATE=7624 MJD=57013 sdR-b2-00191436.fit 1D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Median |χ|
2.0
1.5
1.0
0.5
0.0
0
100
200
300
400
500
Fiber number
Median Sky-Sub Flux
30
20
10
0
−10
100
200
300
400
500
Fiber number

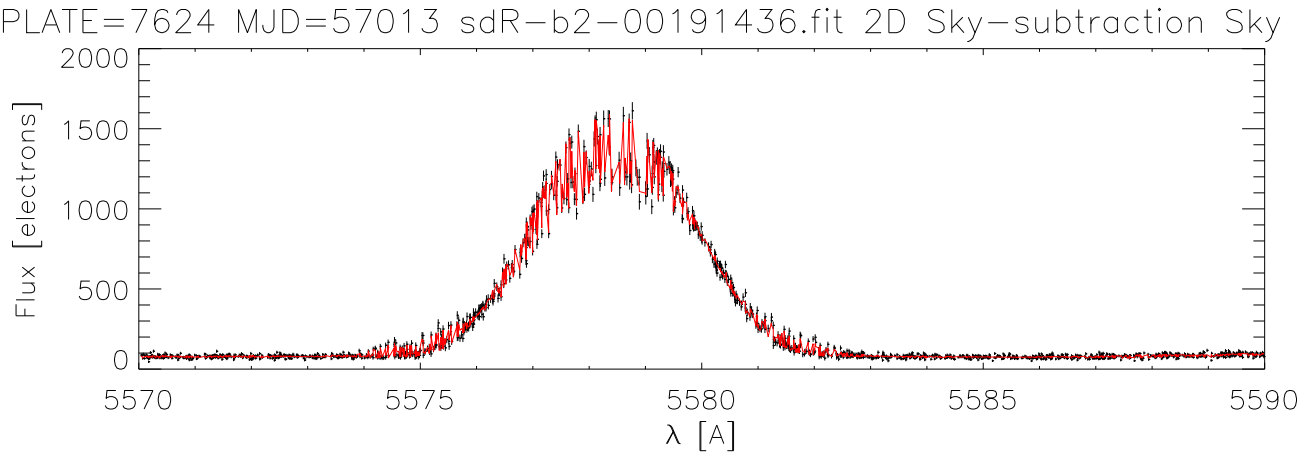

PLATE=7624 MJD=57013 sdR-b2-00191436.fit 1D Sky-subtraction Sky Fibers
Flux [electrons]
2000
1500
1000
500
0
5570
5575
5580
5585
5590
λ [A]

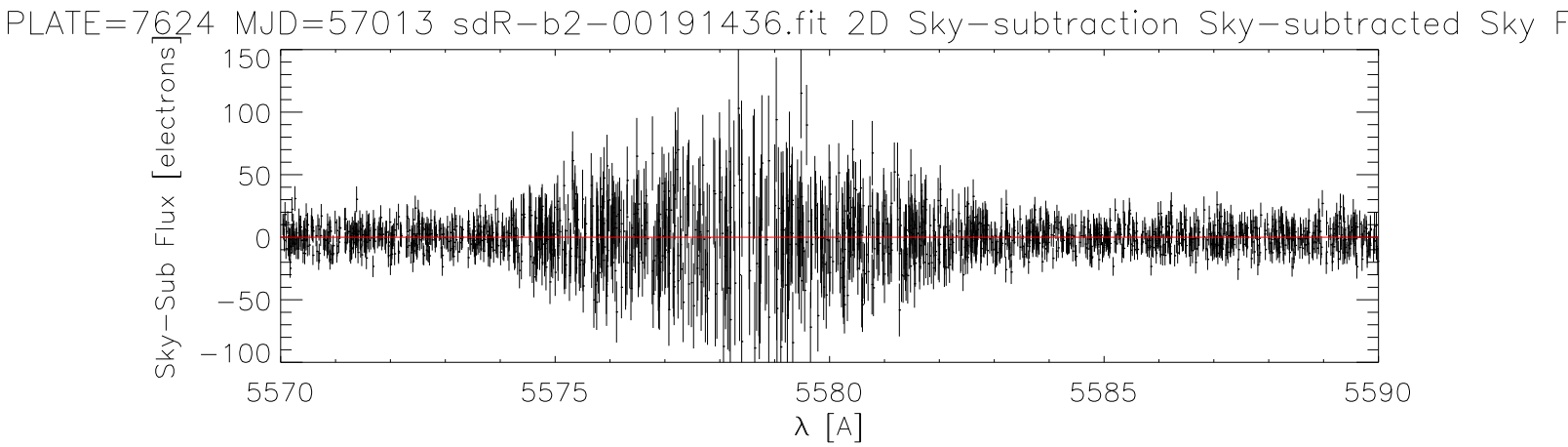

PLATE=7624 MJD=57013 sdR-b2-00191436.fit 1D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
400
200
0
-200
-400
5570
5575
5580
5585
5590
λ [A]

Number of sky fibers = 95

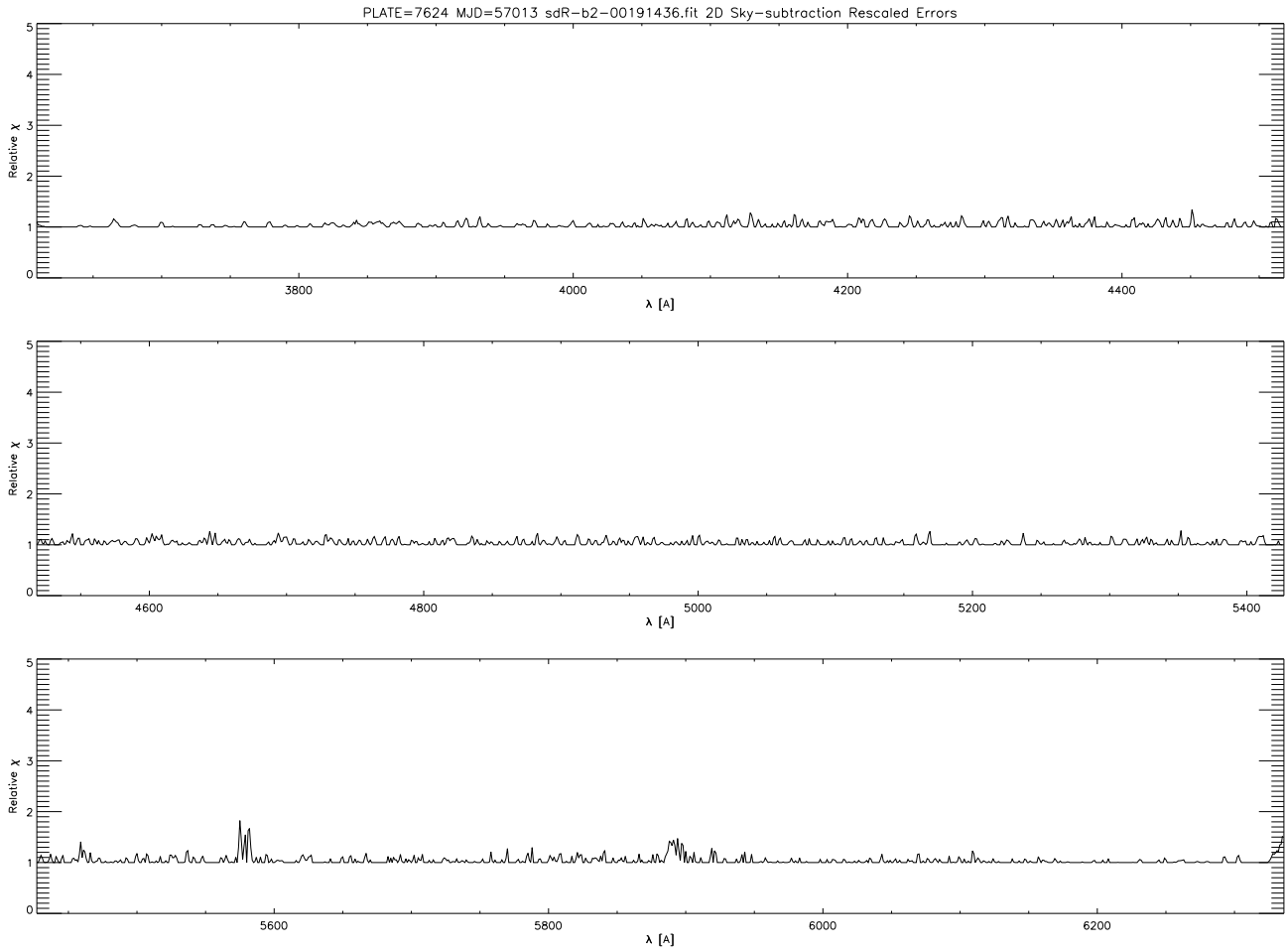


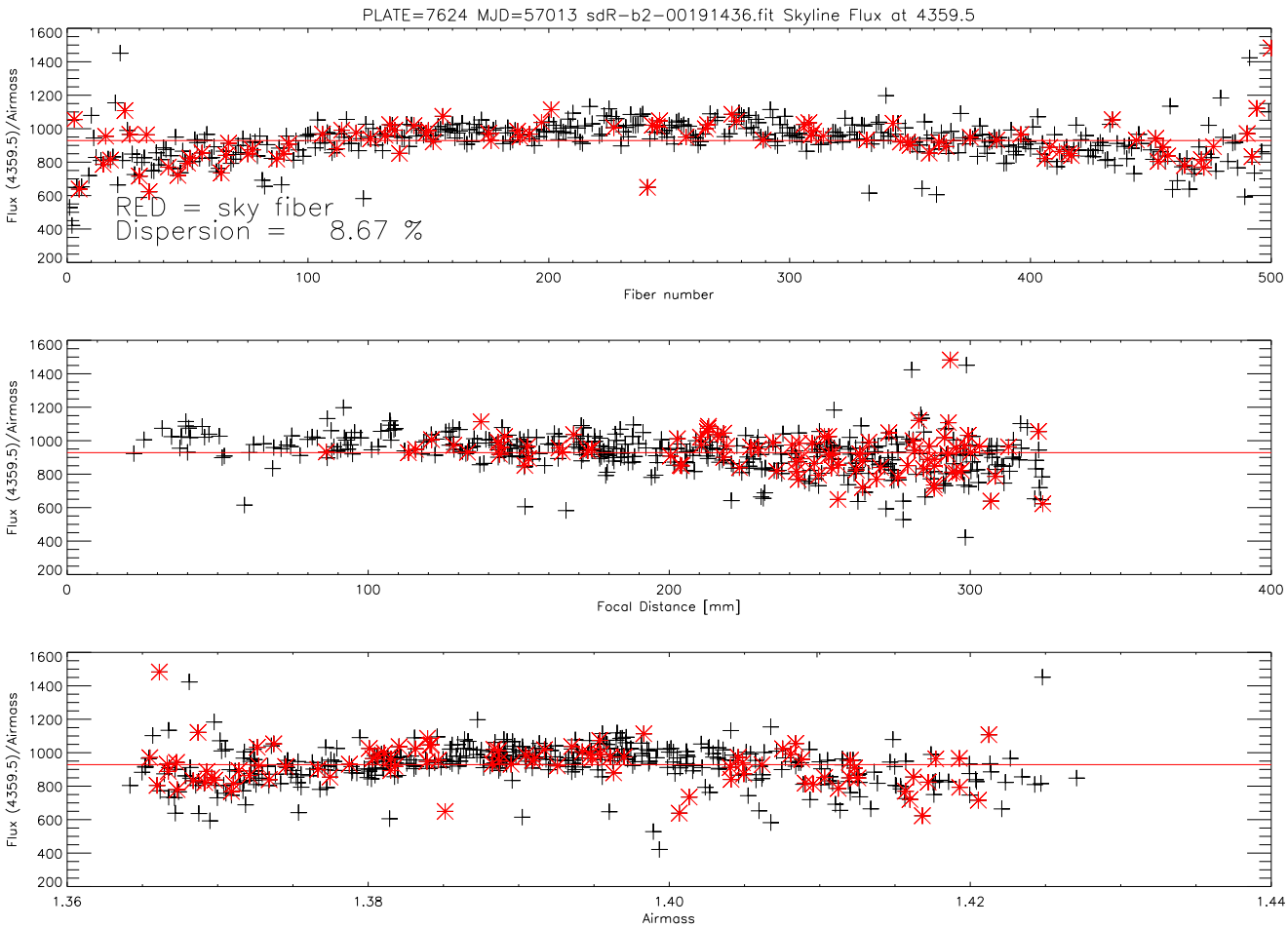

PLATE=7624 MJD=57013 sdR-b2-00191436.fit 2D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Median |χ|
Gaussian
Fiber number
Median Sky-Sub Flux
Fiber number

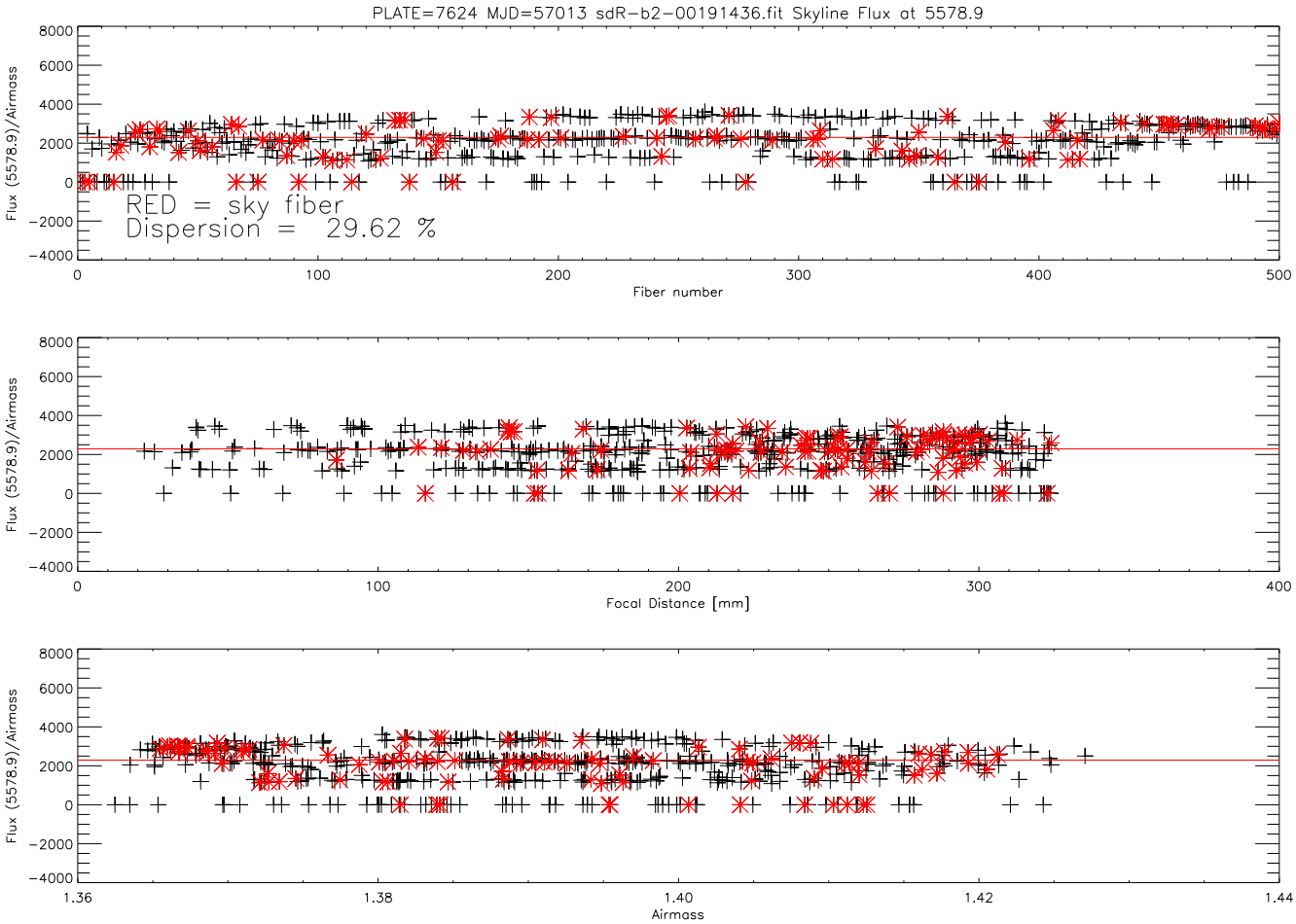

PLATE=7624 MJD=57013 sdR-b2-00191436.fit 2D Sky-subtraction Sky Fibers
Flux [electrons]
2000
1500
1000
500
0
5570
5575
5580
5585
5590
λ [A]


PLATE=7624 MJD=57013 sdR-b2-00191436.fit 2D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
150
100
50
0
-50
-100
5570
5575
5580
5585
5590
λ [A]

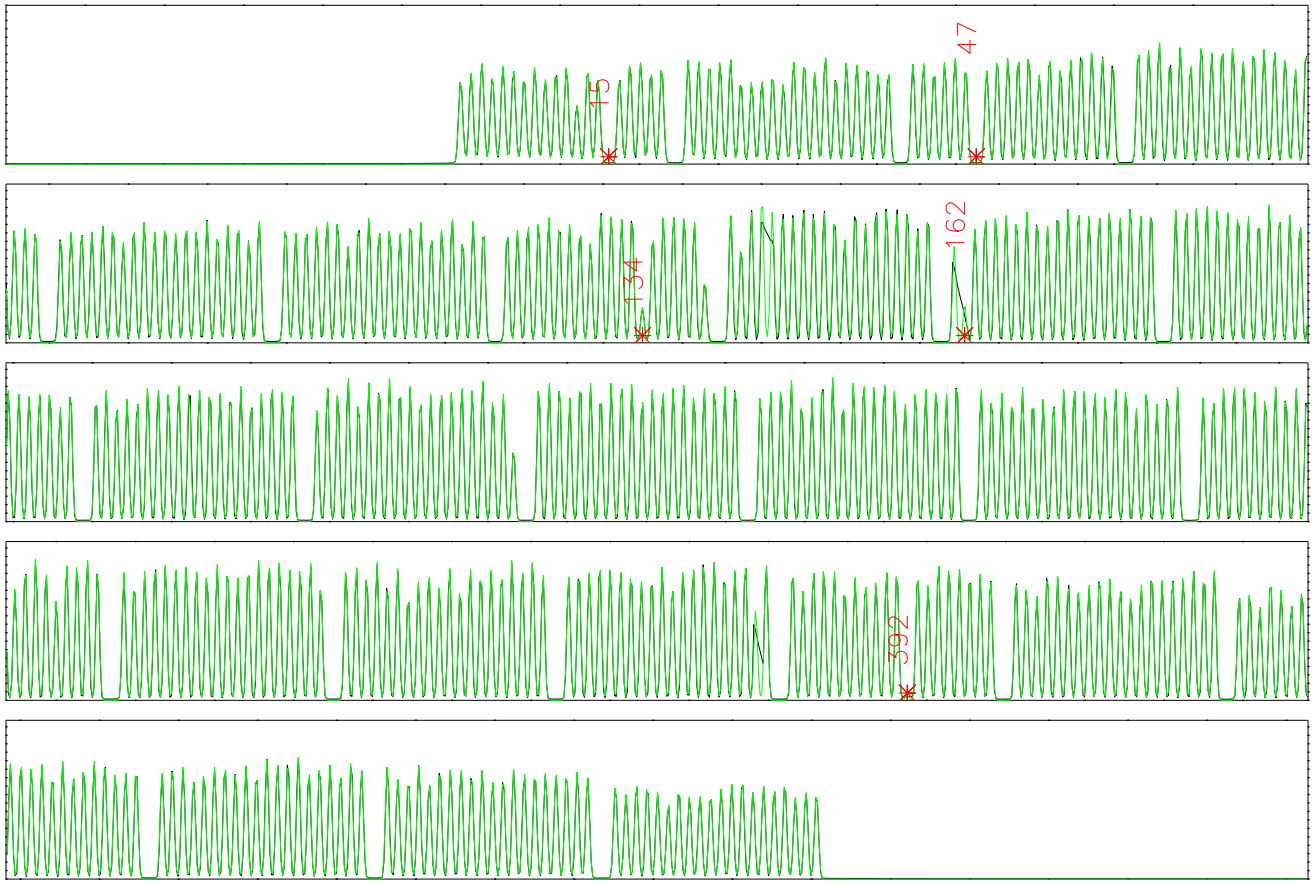
Number of sky fibers = 95

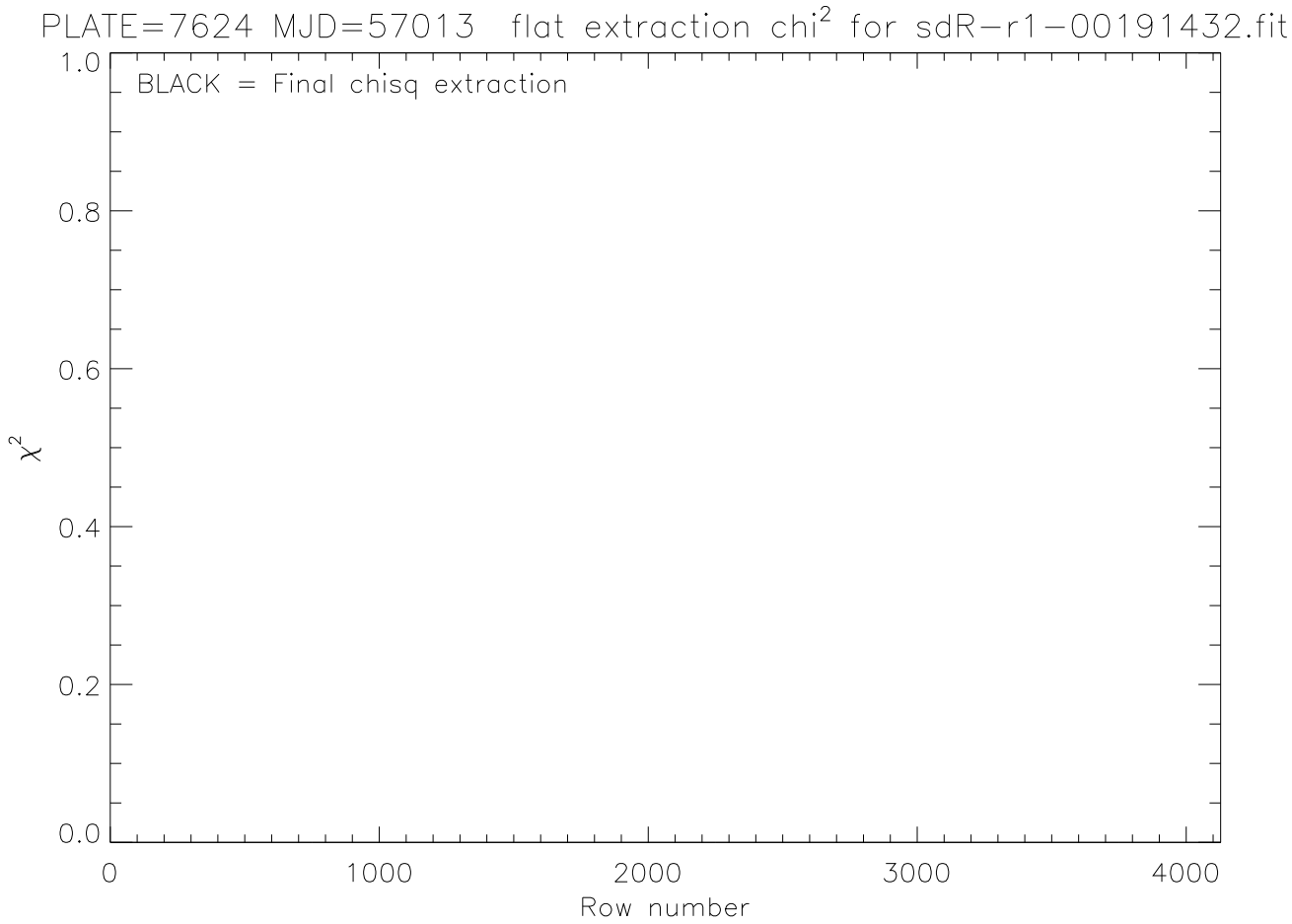


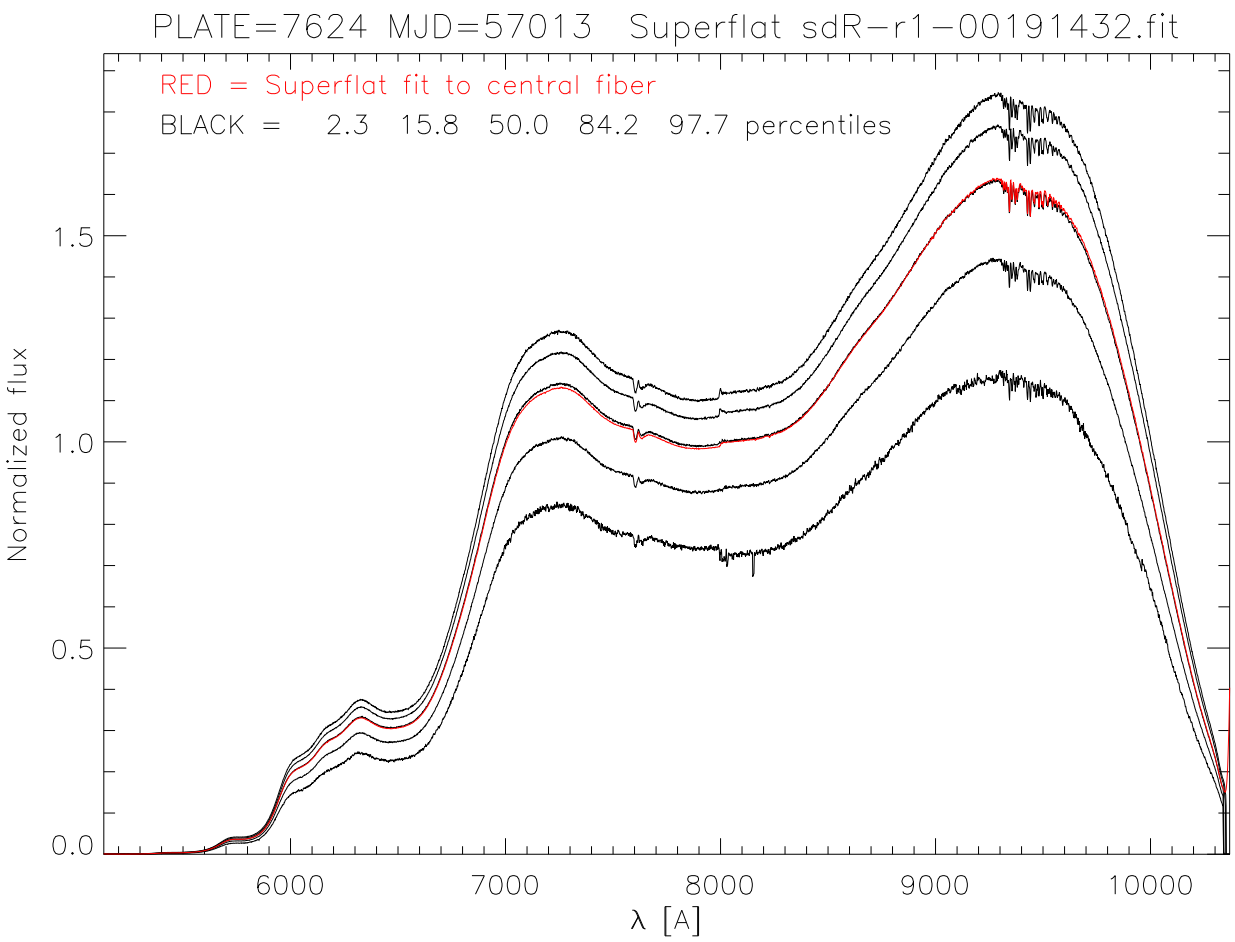

PLATE=7624 MJD=57013 sdR-b2-00191436.fit Skyline Flux at 4359.5
Flux (4359.5)/Airmass
RED = sky fiber
Dispersion = 8.67 %
Fiber number
Flux (4359.5)/Airmass
Focal Distance [mm]
Flux (4359.5)/Airmass
Airmass

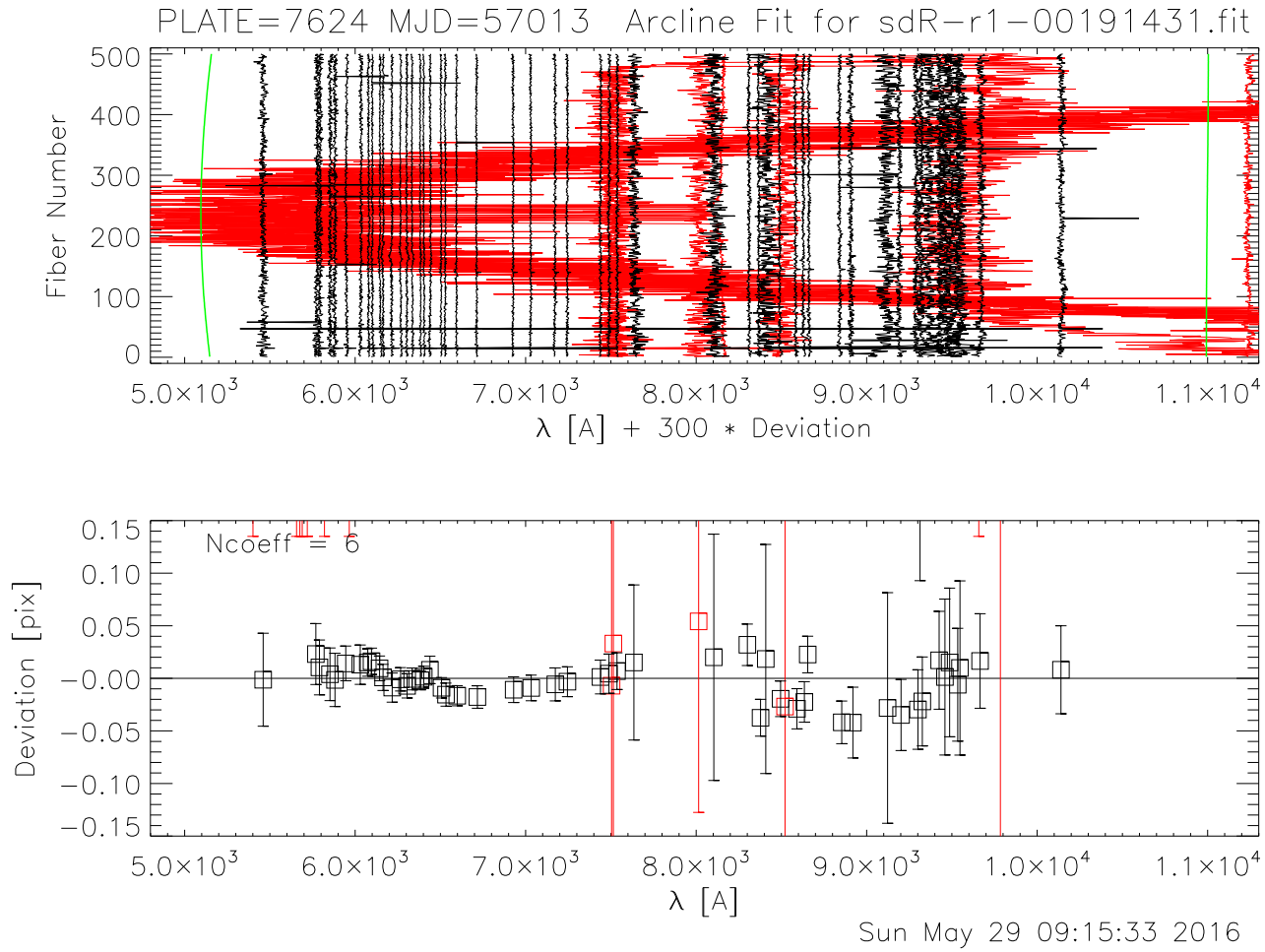

PLATE=7624 MJD=57013 sdR-b2-00191436.fit Skyline Flux at 5578.9
Flux (5578.9)/Airmass
RED = sky fiber
Dispersion = 29.62 %
Fiber number
Flux (5578.9)/Airmass
Focal Distance [mm]
Flux (5578.9)/Airmass
Airmass

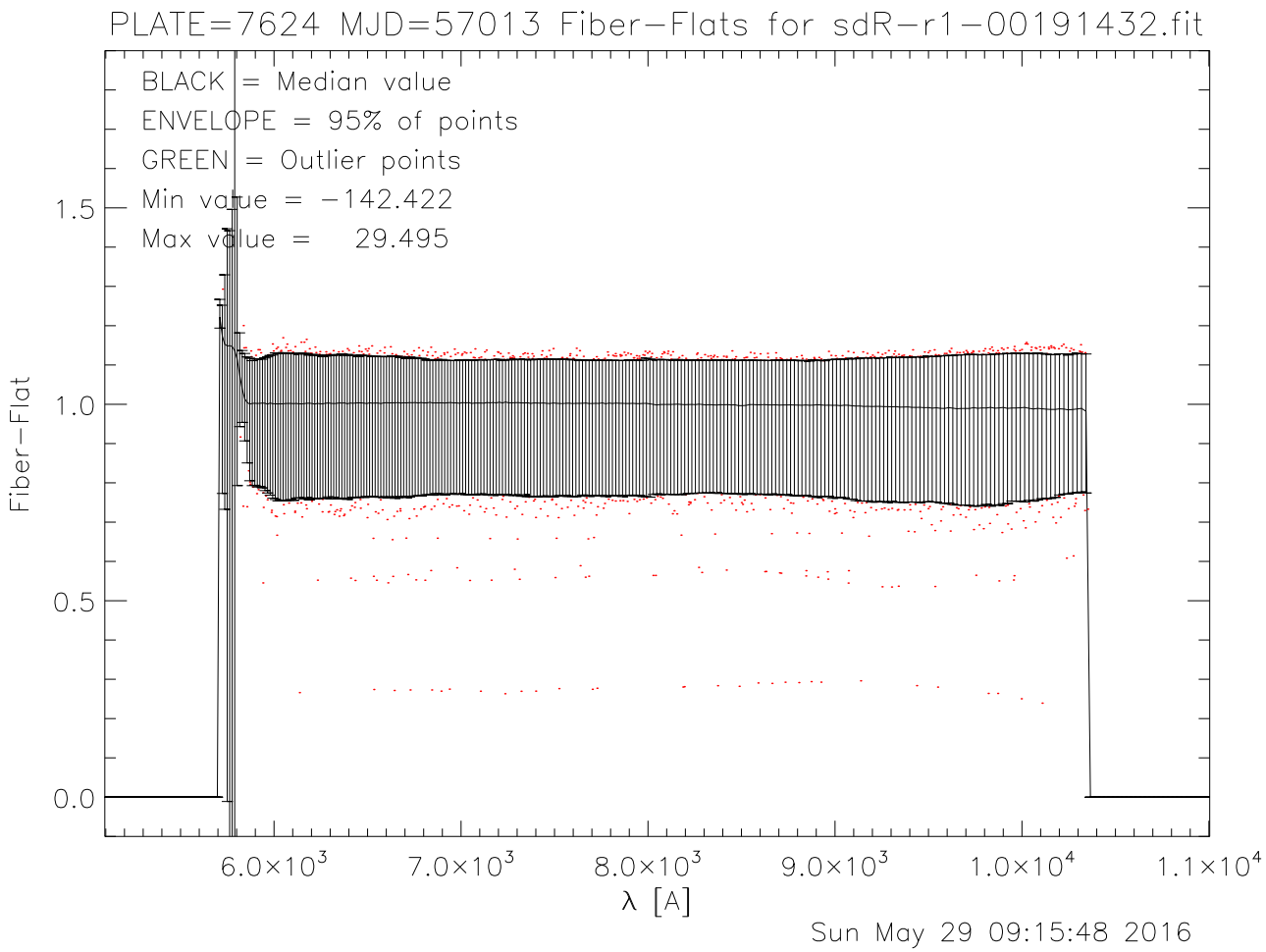
PLATE=7624 MJD=57013 Traces sdR-r1-00191432.fit

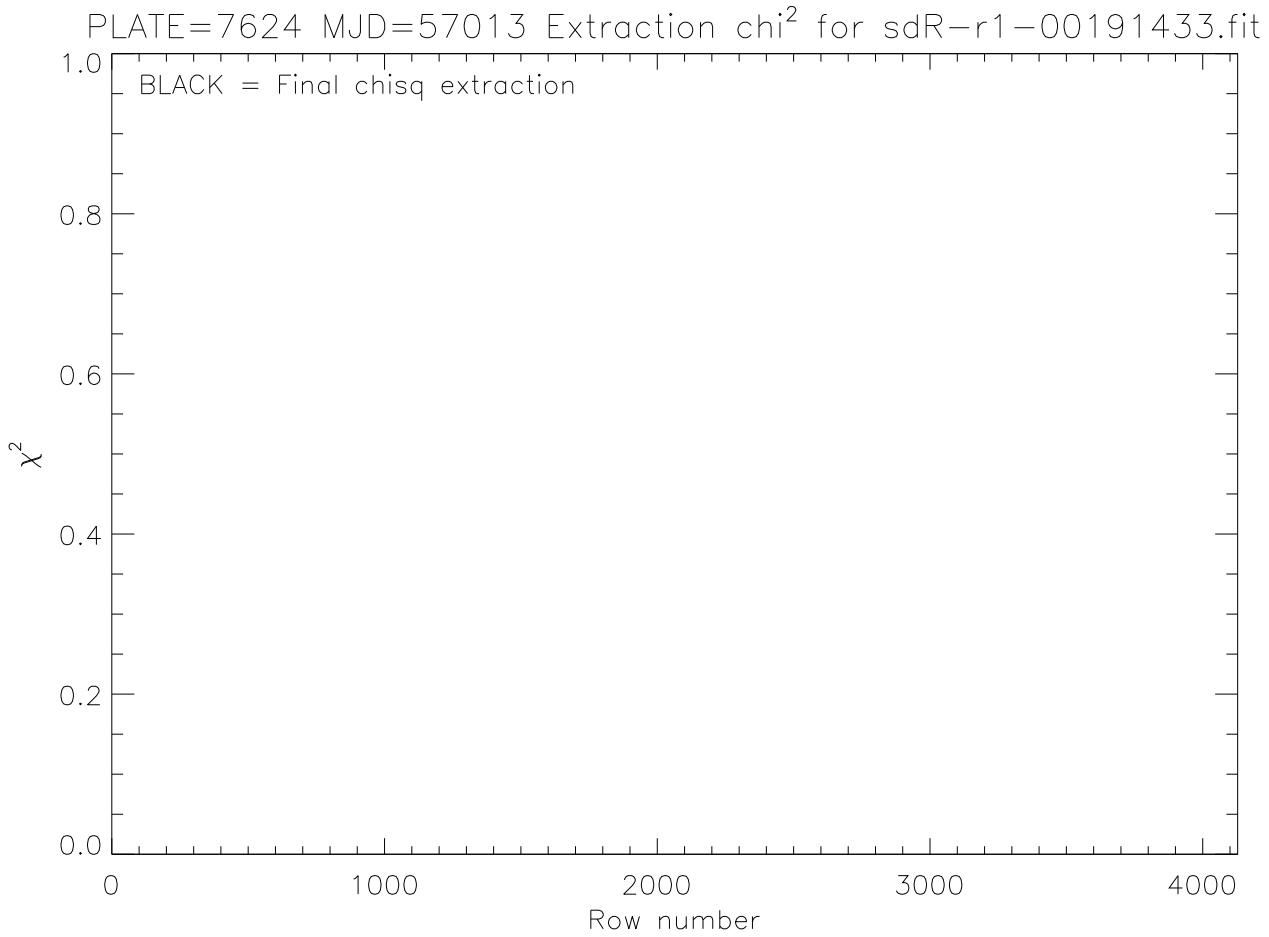


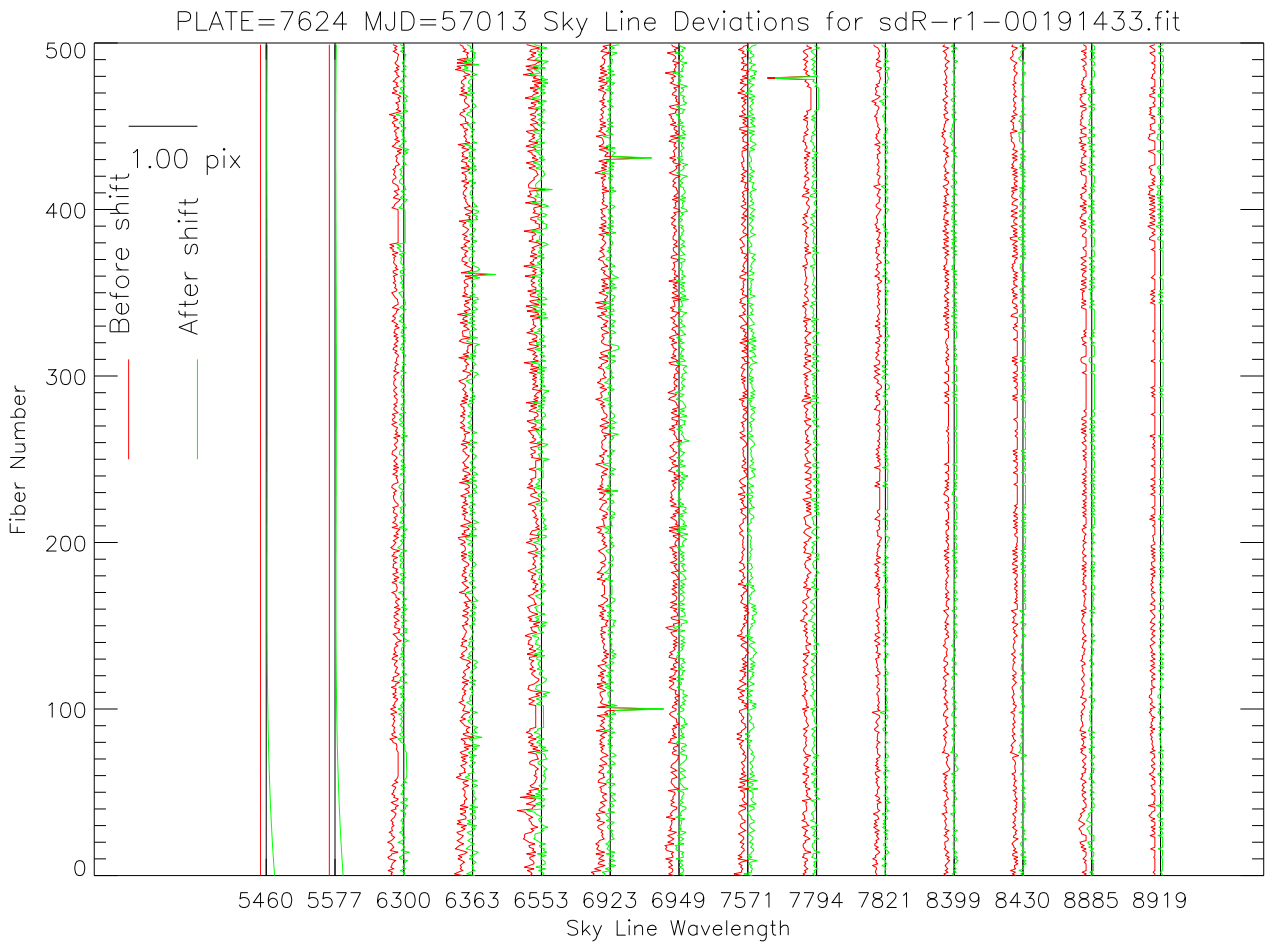

PLATE=7624 MJD=57013 flat extraction chi$^2$ for sdR−r1−00191432.fit
BLACK = Final chisq extraction
1.0
0.8
0.6
0.4
0.2
0.0
$\chi^2$
0
1000
2000
3000
4000
Row number

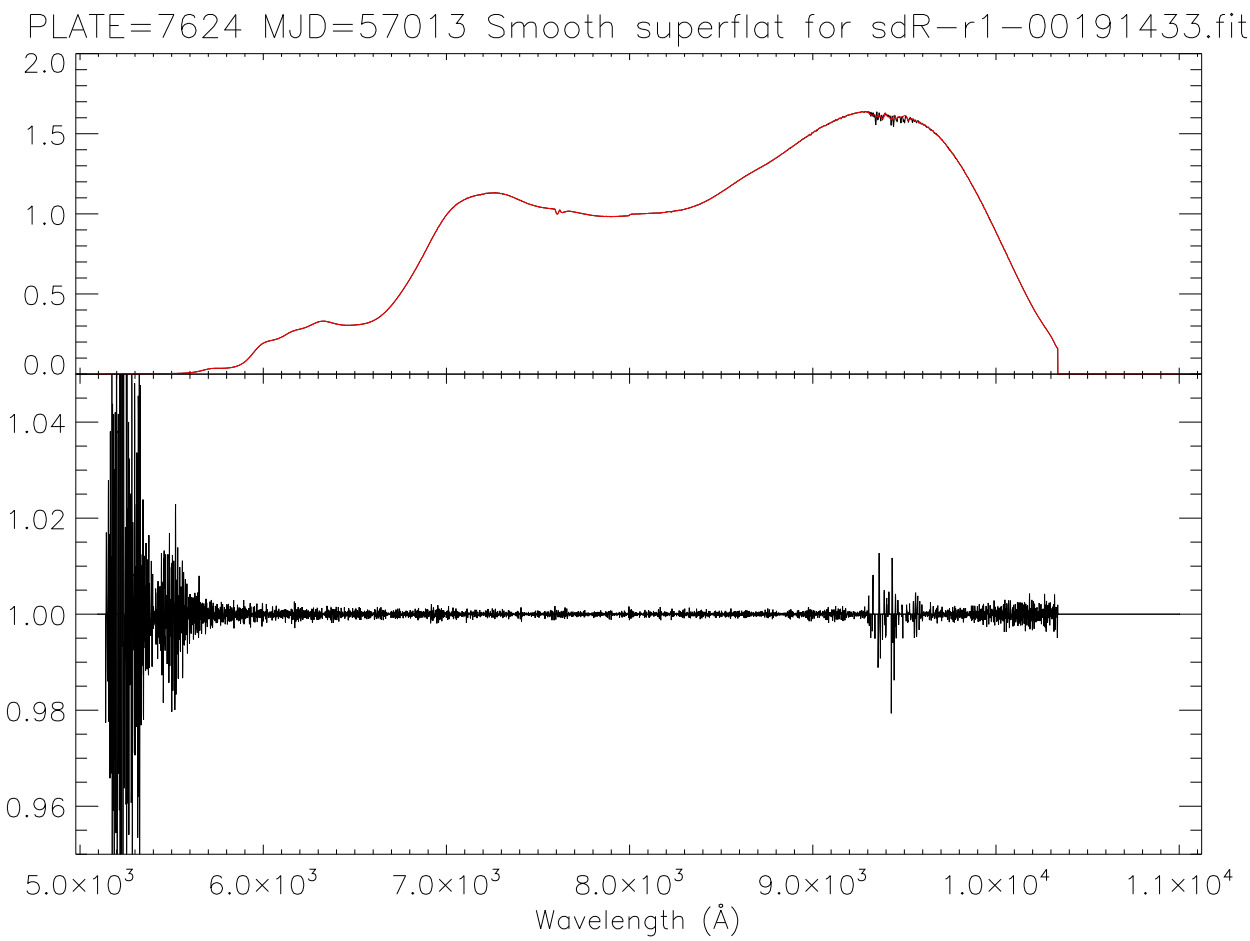

PLATE=7624 MJD=57013 Superflat sdR-r1-00191432.fit
RED = Superflat fit to central fiber
BLACK = 2.3 15.8 50.0 84.2 97.7 percentiles
Normalized flux
0.0
0.5
1.0
1.5
6000
7000
8000
9000
10000
λ [A]

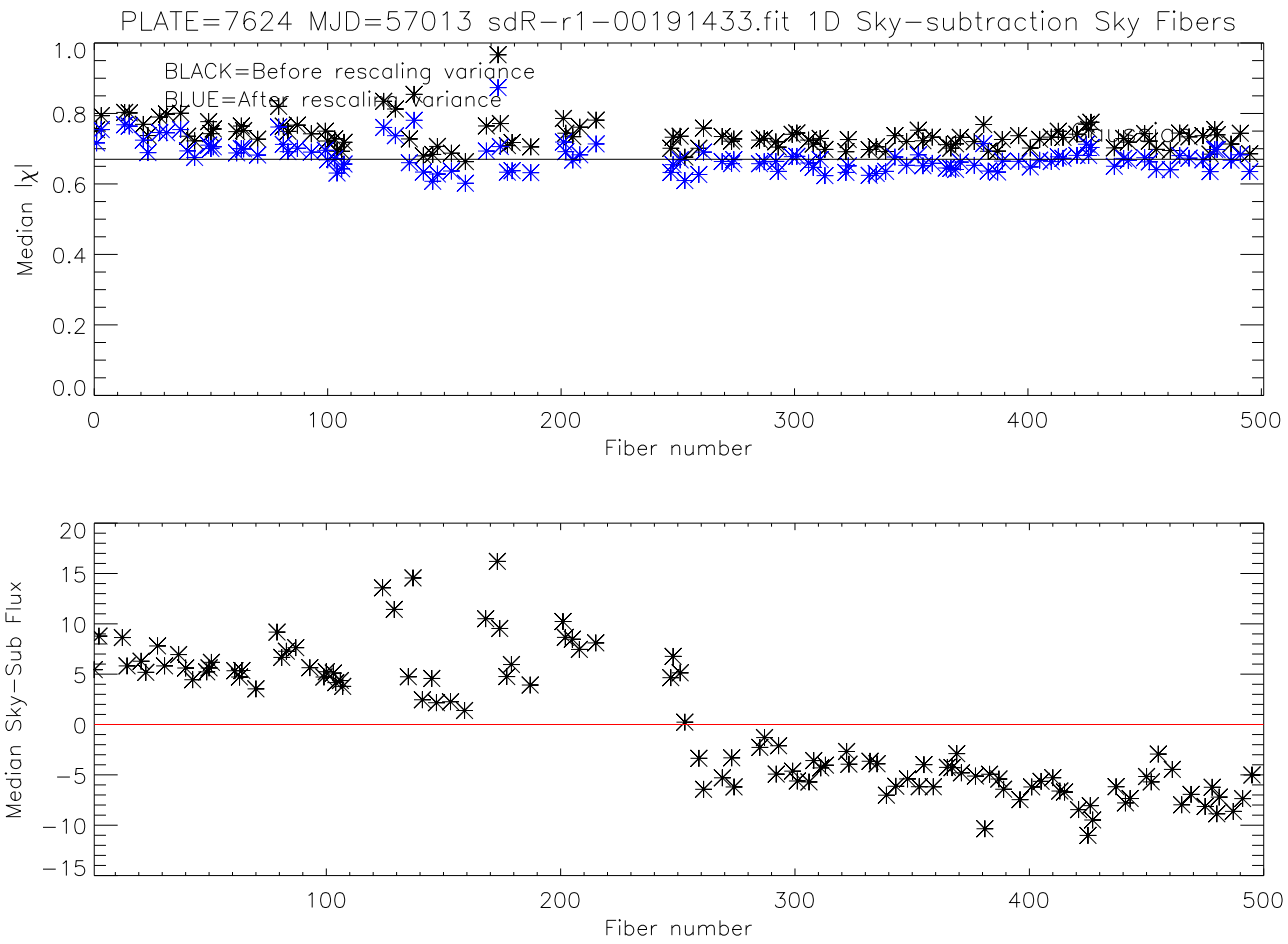

PLATE=7624 MJD=57013 Arcline Fit for sdR-r1-00191431.fit
Fiber Number
500
400
300
200
100
0
5.0×10^3
6.0×10^3
7.0×10^3
8.0×10^3
9.0×10^3
1.0×10^4
1.1×10^4
λ [A] + 300 * Deviation
Ncoeff = 6
Deviation [pix]
0.15
0.10
0.05
−0.00
−0.05
−0.10
−0.15
λ [A]
Sun May 29 09:15:33 2016

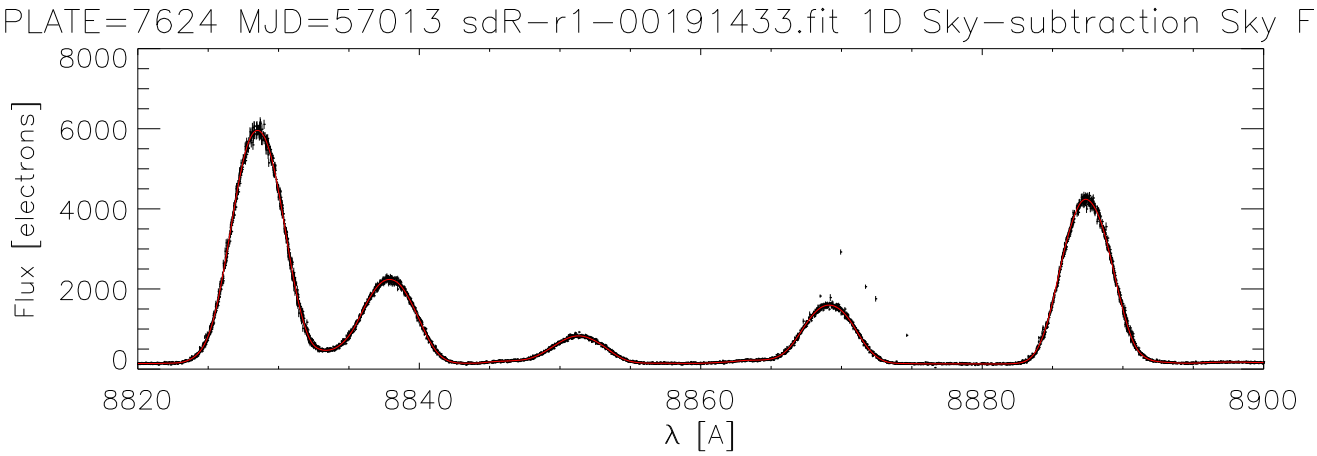

PLATE=7624 MJD=57013 Fiber−Flats for sdR−r1−00191432.fit
BLACK = Median value
ENVELOPE = 95% of points
GREEN = Outlier points
Min value = −142.422
Max value = 29.495
Fiber−Flat
1.5
1.0
0.5
0.0
6.0×10^3
7.0×10^3
8.0×10^3
9.0×10^3
1.0×10^4
1.1×10^4
λ [A]
Sun May 29 09:15:48 2016

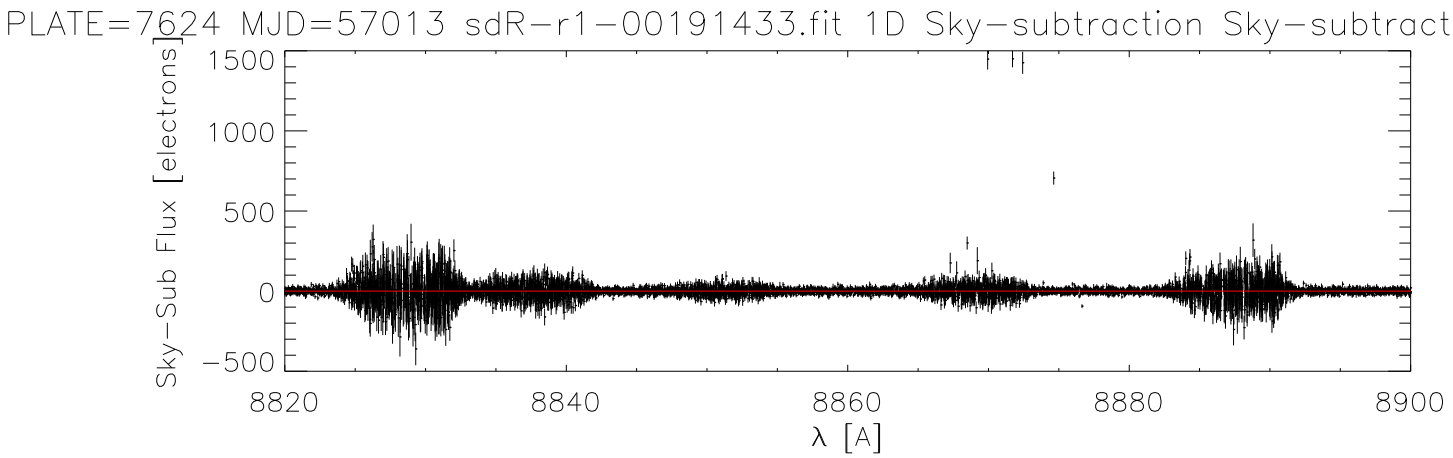

PLATE=7624 MJD=57013 Extraction chi$^2$ for sdR−r1−00191433.fit
BLACK = Final chisq extraction
$\chi^2$
1.0
0.8
0.6
0.4
0.2
0.0
0
1000
2000
3000
4000
Row number


PLATE=7624 MJD=57013 Sky Line Deviations for sdR-r1-00191433.fit
Before shift
After shift
1.00 pix
Fiber Number
0
100
200
300
400
500
5460 5577 6300 6363 6553 6923 6949 7571 7794 7821 8399 8430 8885 8919
Sky Line Wavelength

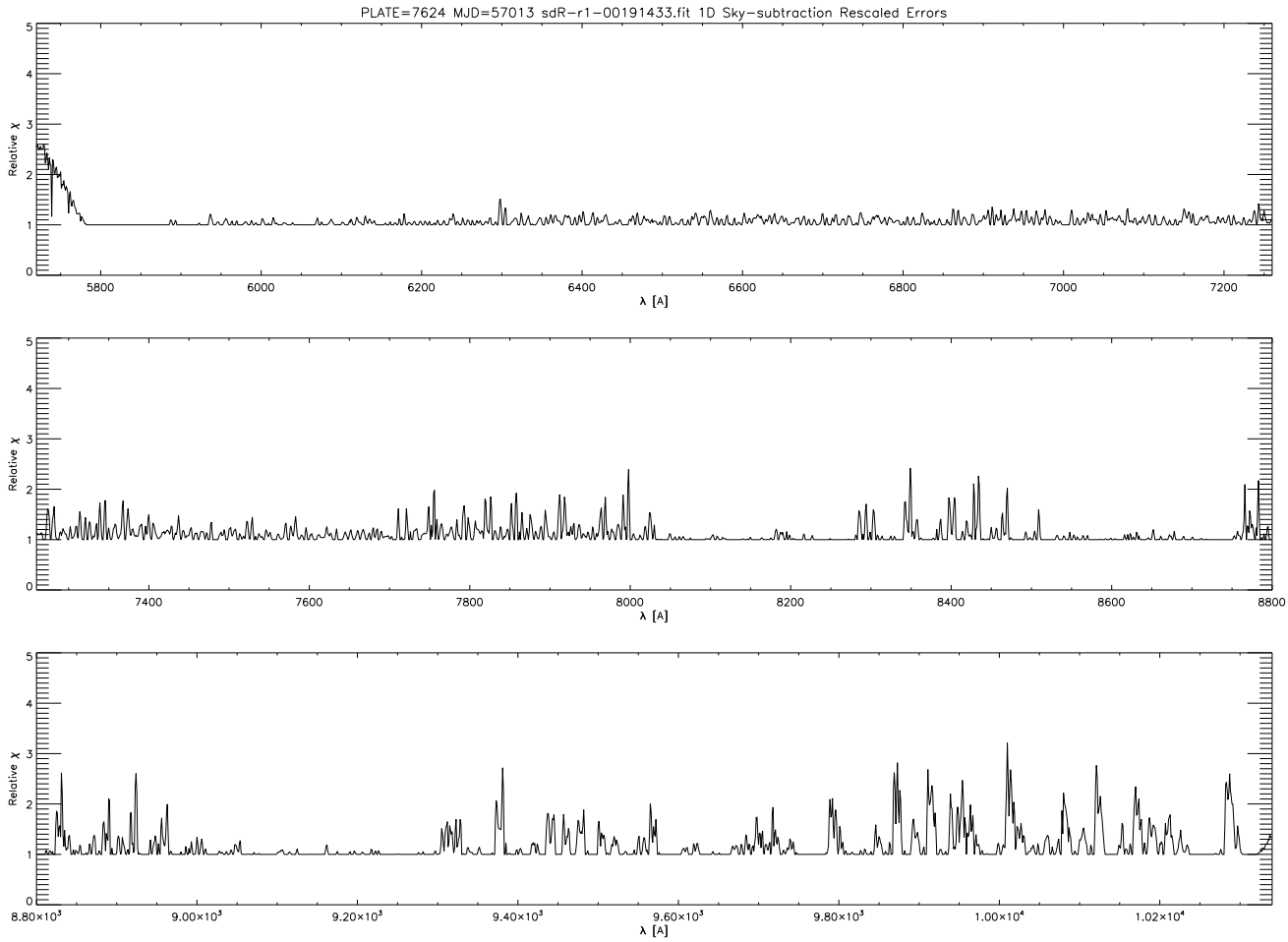

PLATE=7624 MJD=57013 Smooth superflat for sdR-r1-00191433.fit
2.0
1.5
1.0
0.5
0.0
1.04
1.02
1.00
0.98
0.96
5.0×10^3
6.0×10^3
7.0×10^3
8.0×10^3
9.0×10^3
1.0×10^4
1.1×10^4
Wavelength (Å)

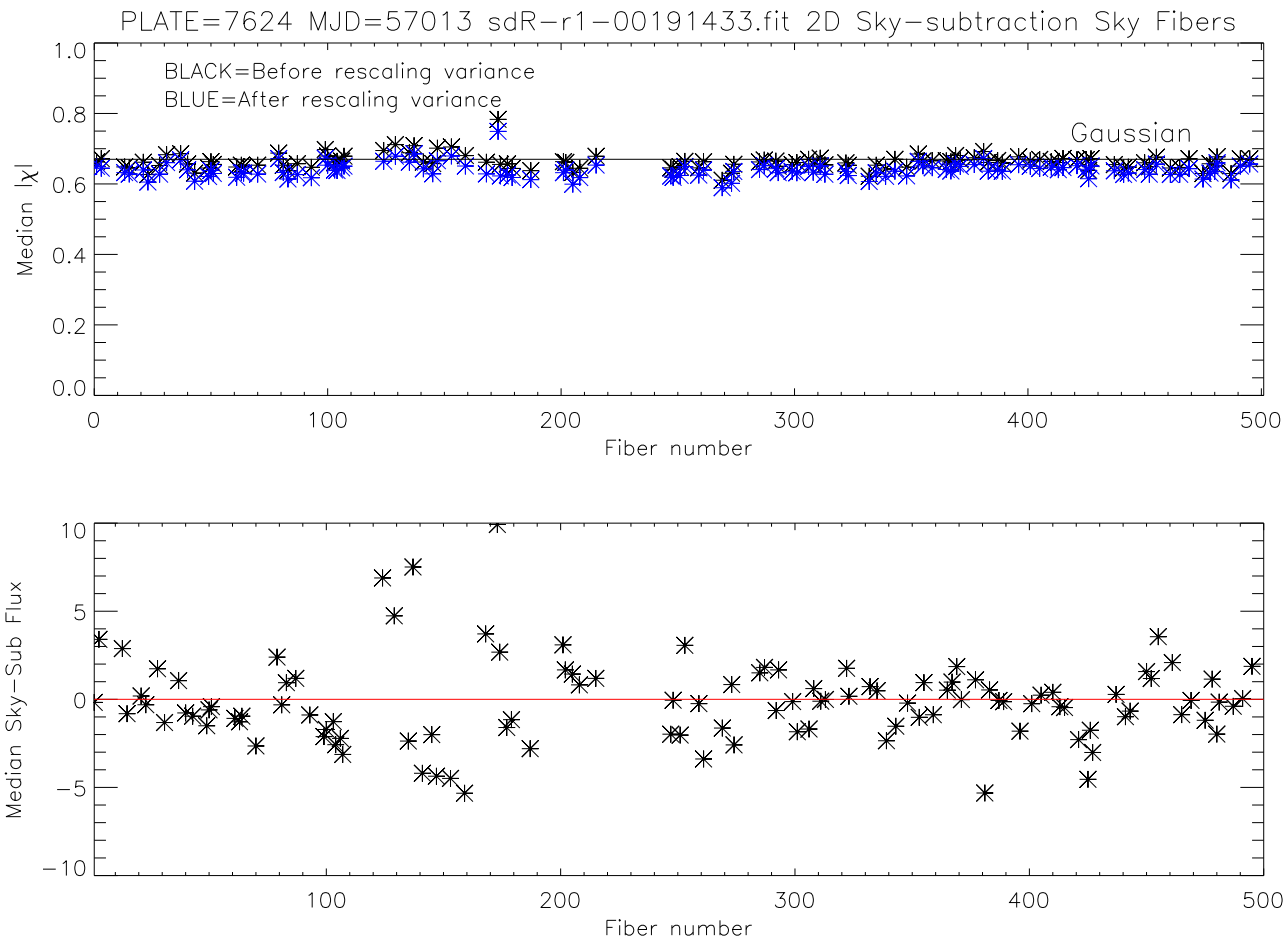

PLATE=7624 MJD=57013 sdR-r1-00191433.fit 1D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

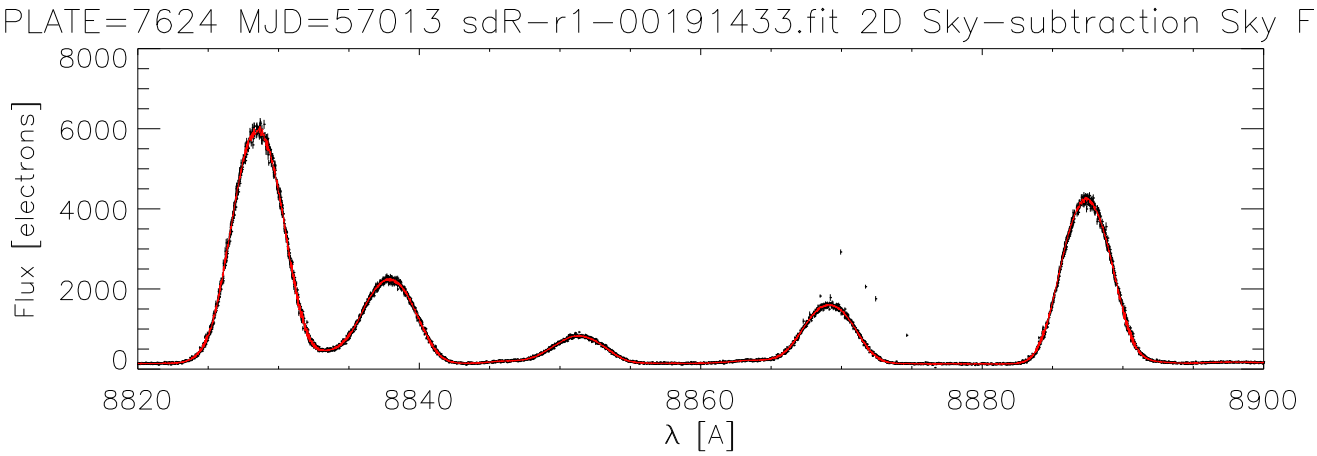

PLATE=7624 MJD=57013 sdR-r1-00191433.fit 1D Sky-subtraction Sky Fibers
Flux [electrons]
8000
6000
4000
2000
0
8820
8840
8860
8880
8900
λ [A]

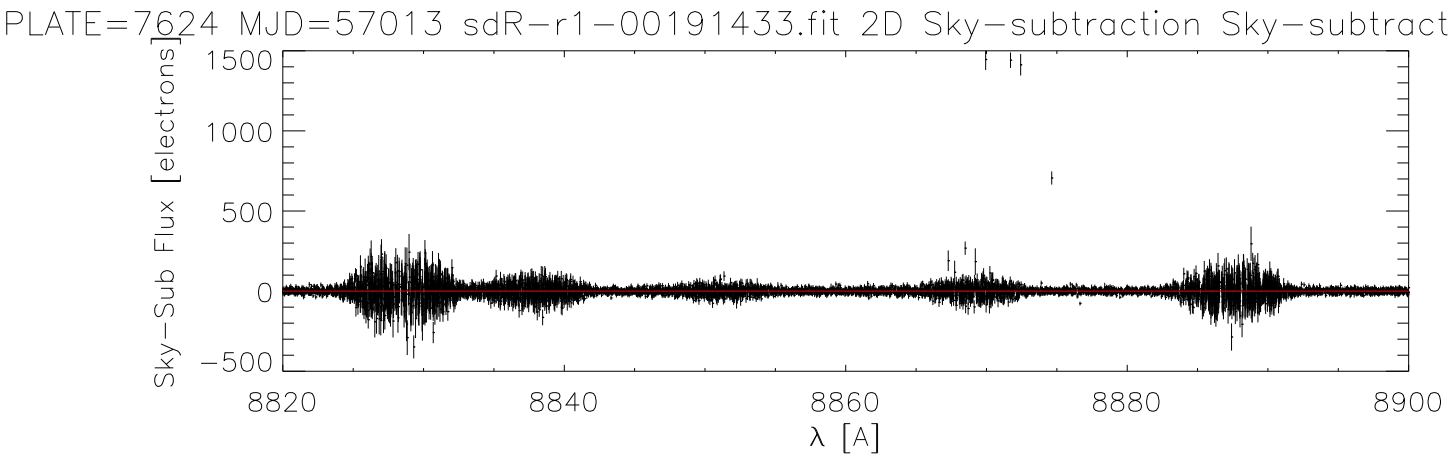

PLATE=7624 MJD=57013 sdR-r1-00191433.fit 1D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
1500
1000
500
0
-500
8820
8840
8860
8880
8900
λ [A]

Number of sky fibers = 113

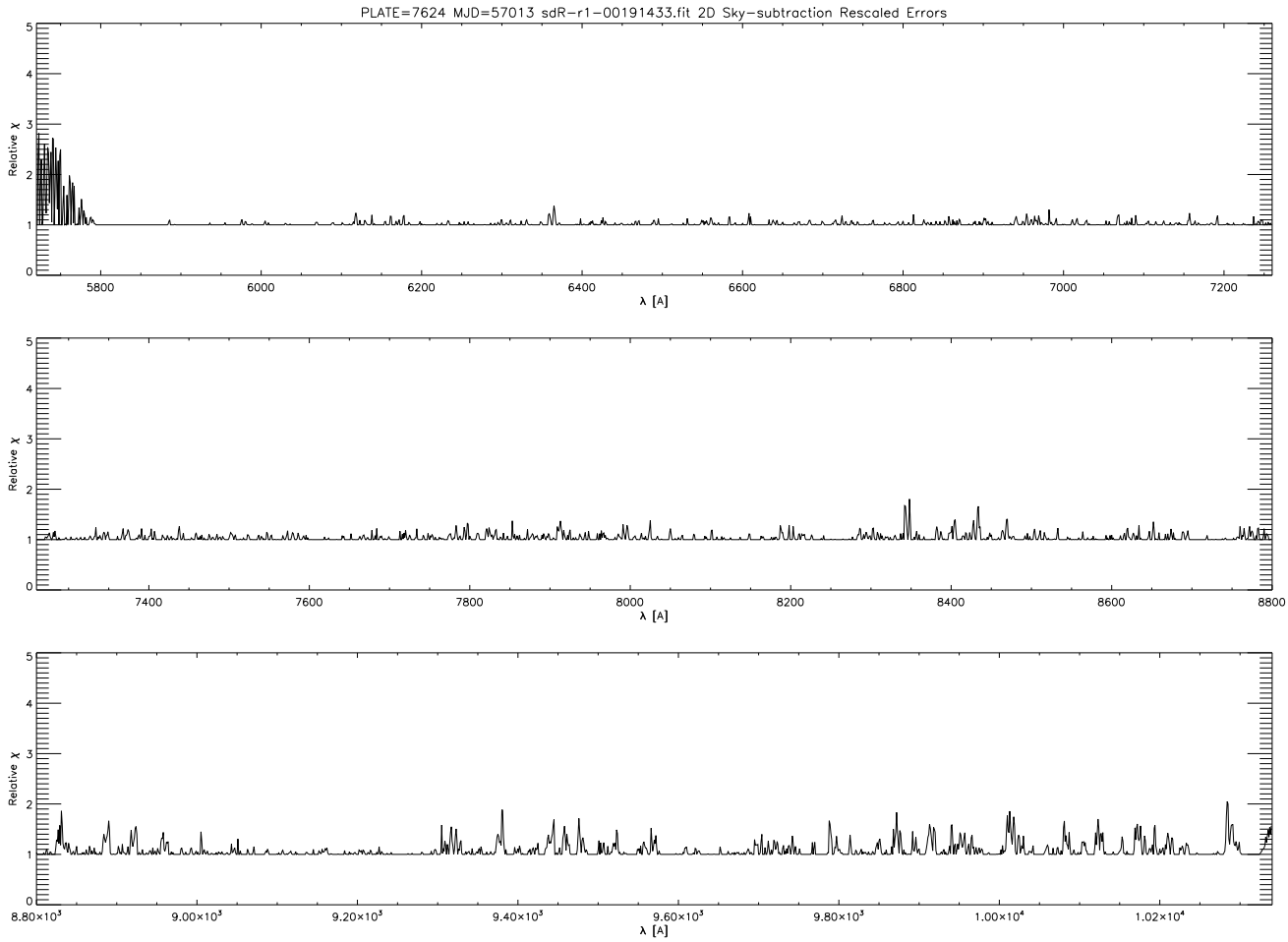


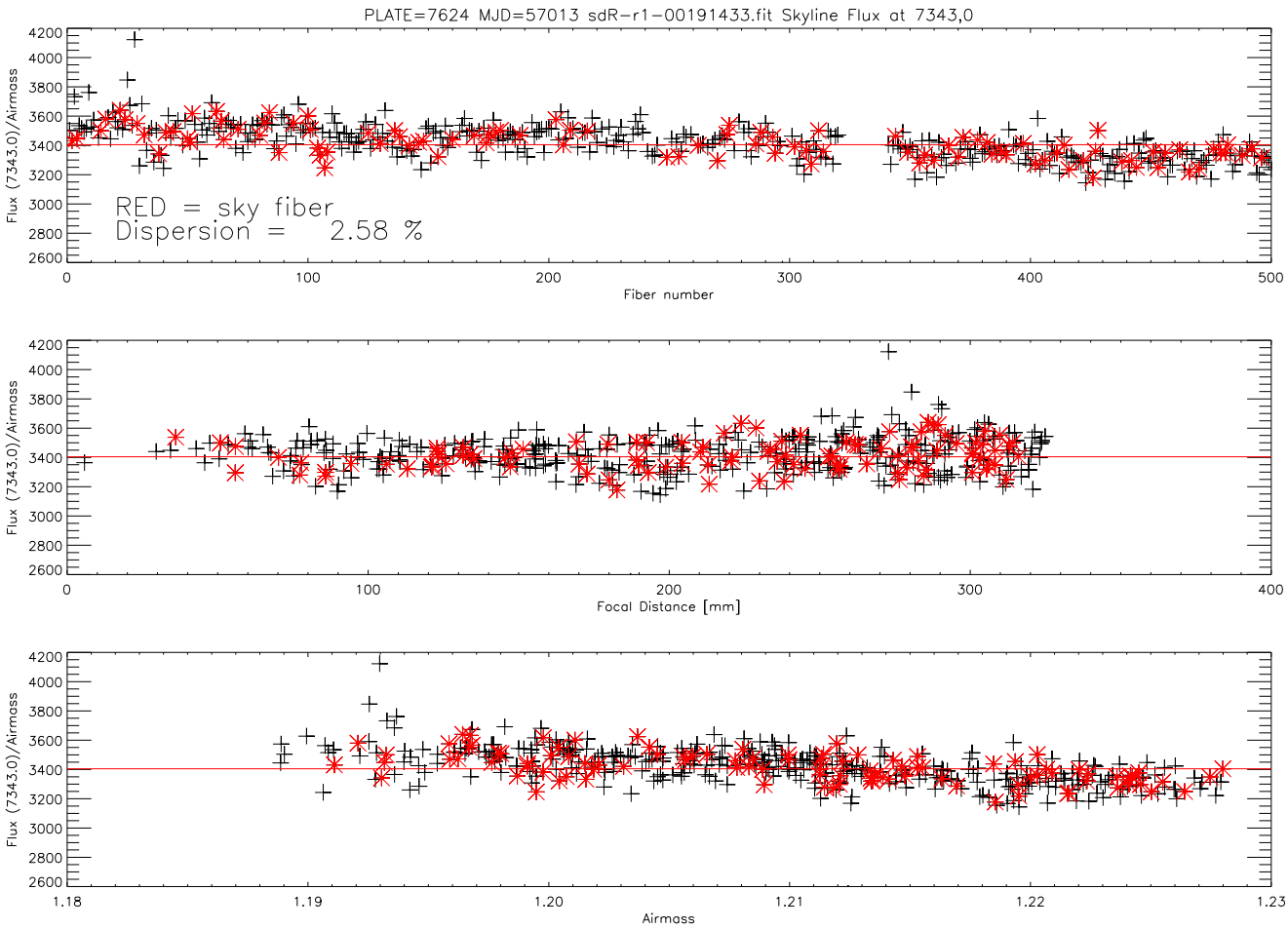

PLATE=7624 MJD=57013 sdR-r1-00191433.fit 2D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

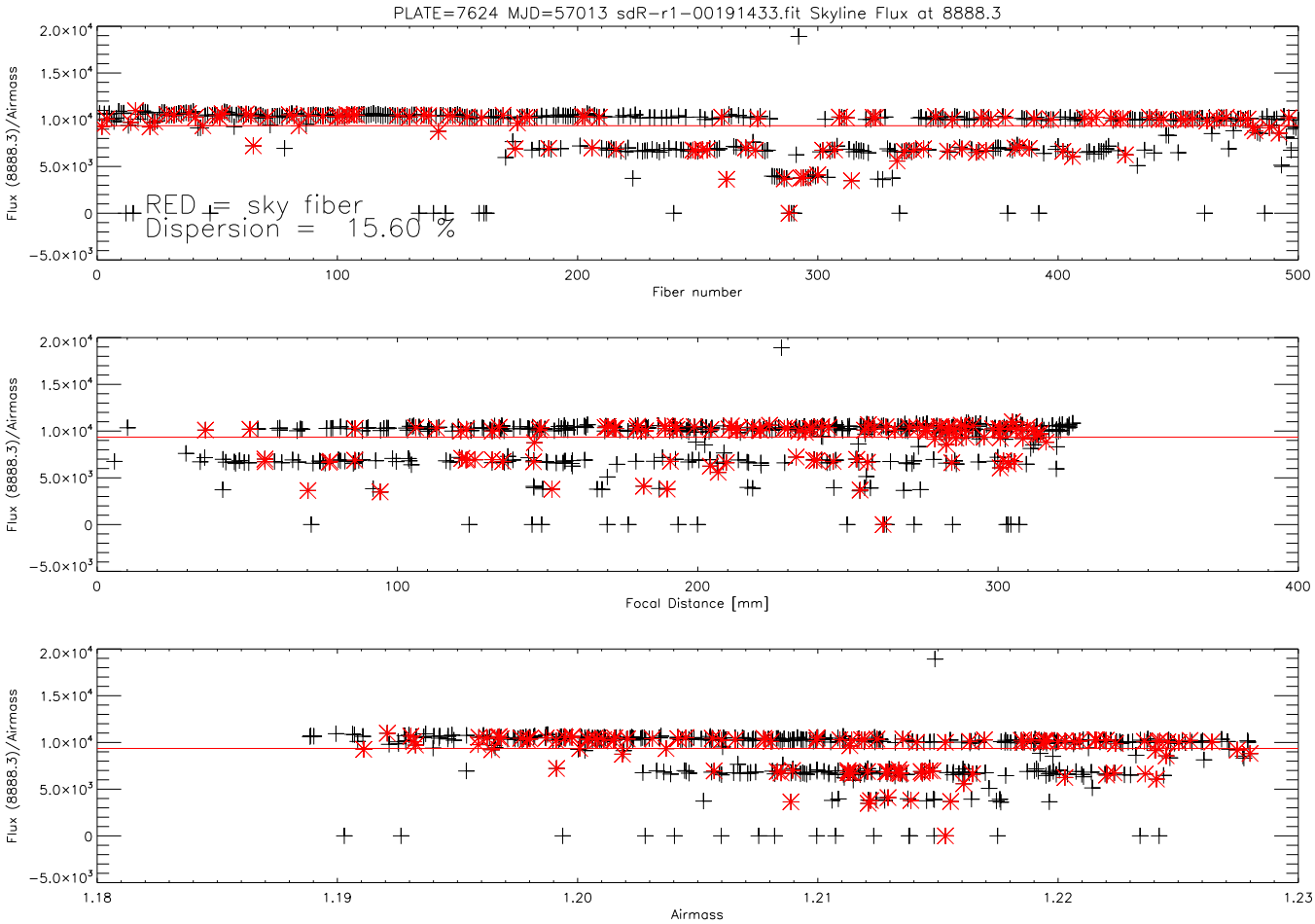

PLATE=7624 MJD=57013 sdR-r1-00191433.fit 2D Sky-subtraction Sky Fibers
Flux [electrons]
8000
6000
4000
2000
0
8820
8840
8860
8880
8900
λ [A]

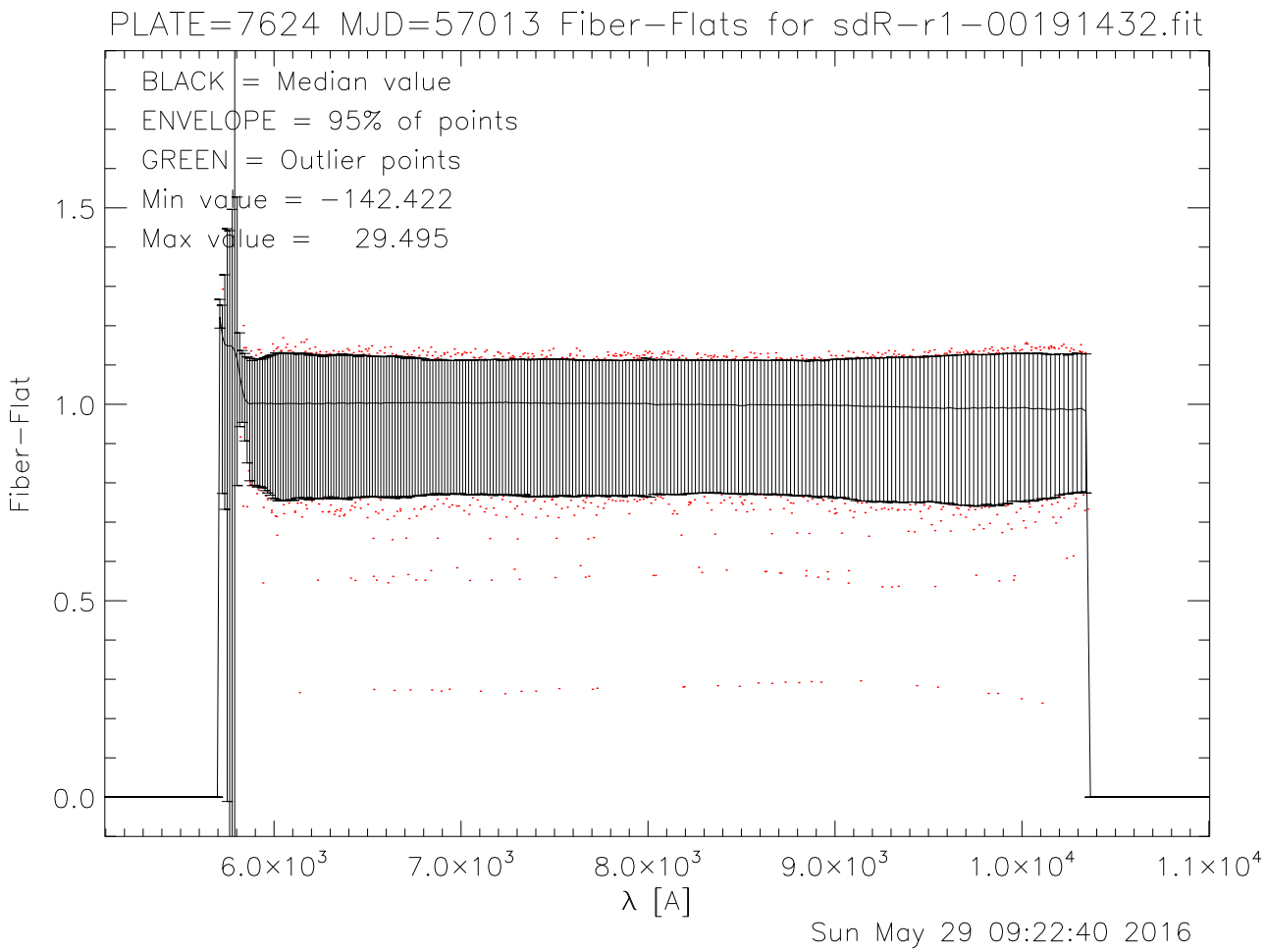

PLATE=7624 MJD=57013 sdR-r1-00191433.fit 2D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
1500
1000
500
0
-500
8820
8840
8860
8880
8900
λ [A]

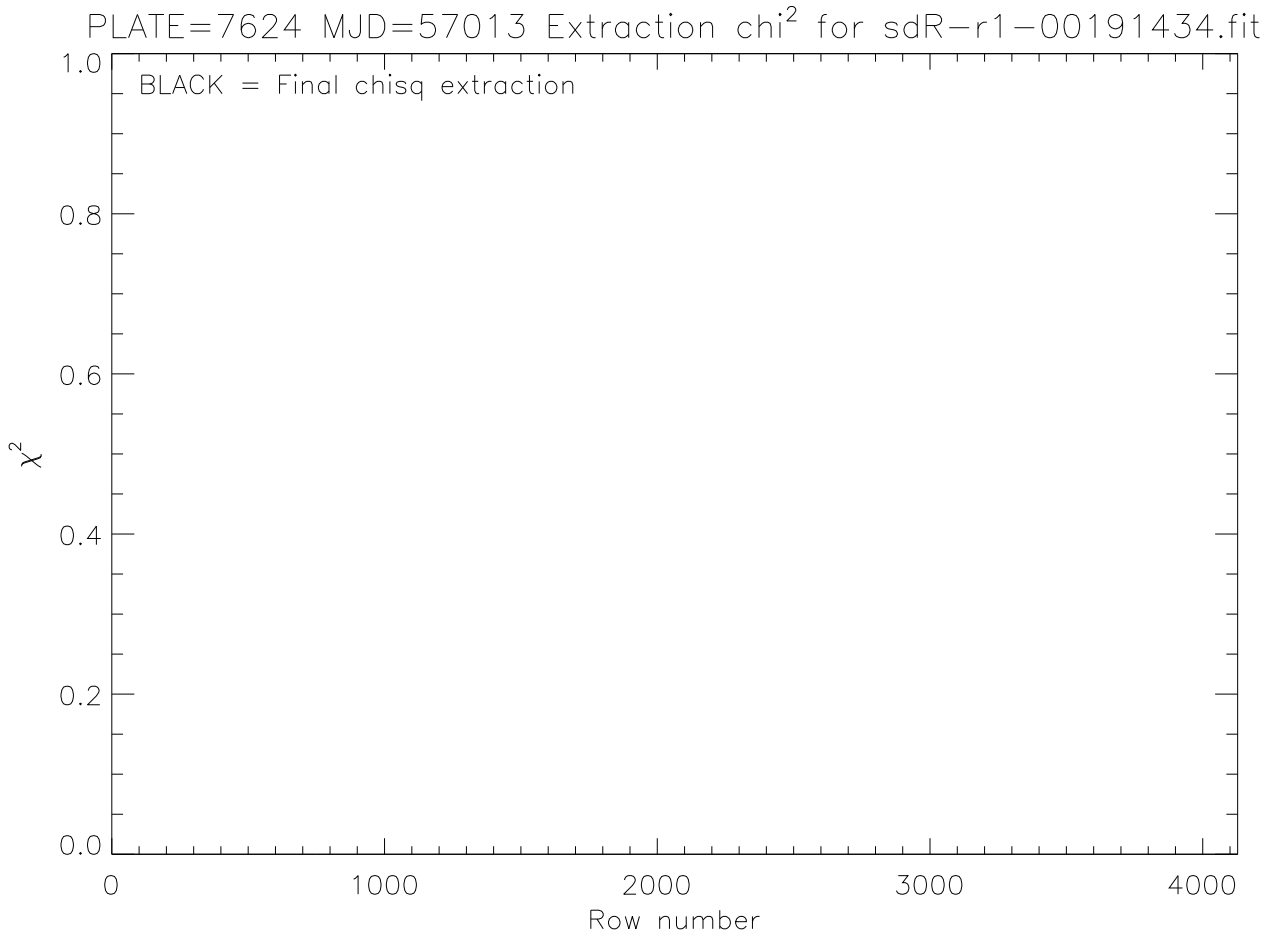
Number of sky fibers = 113

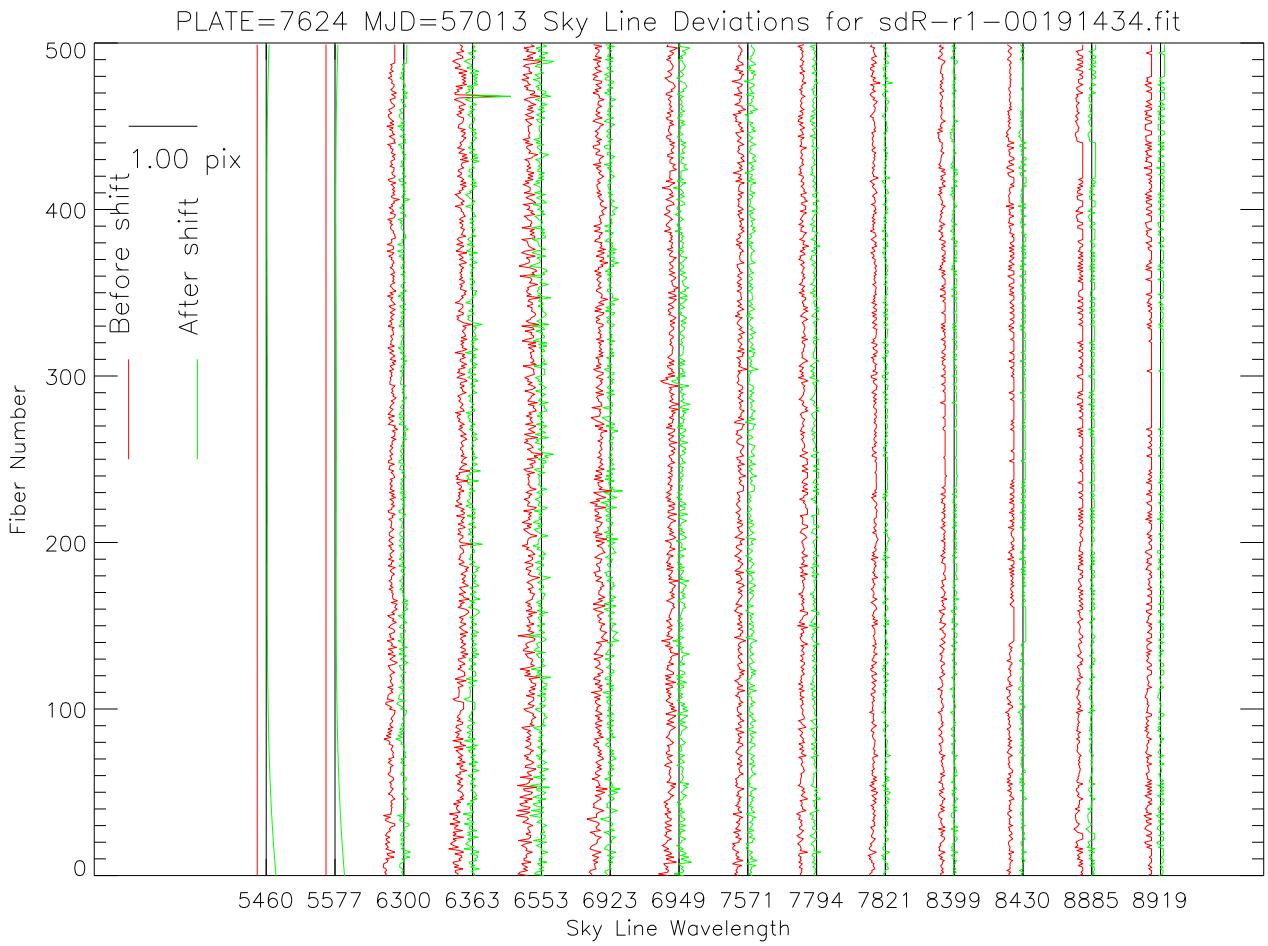


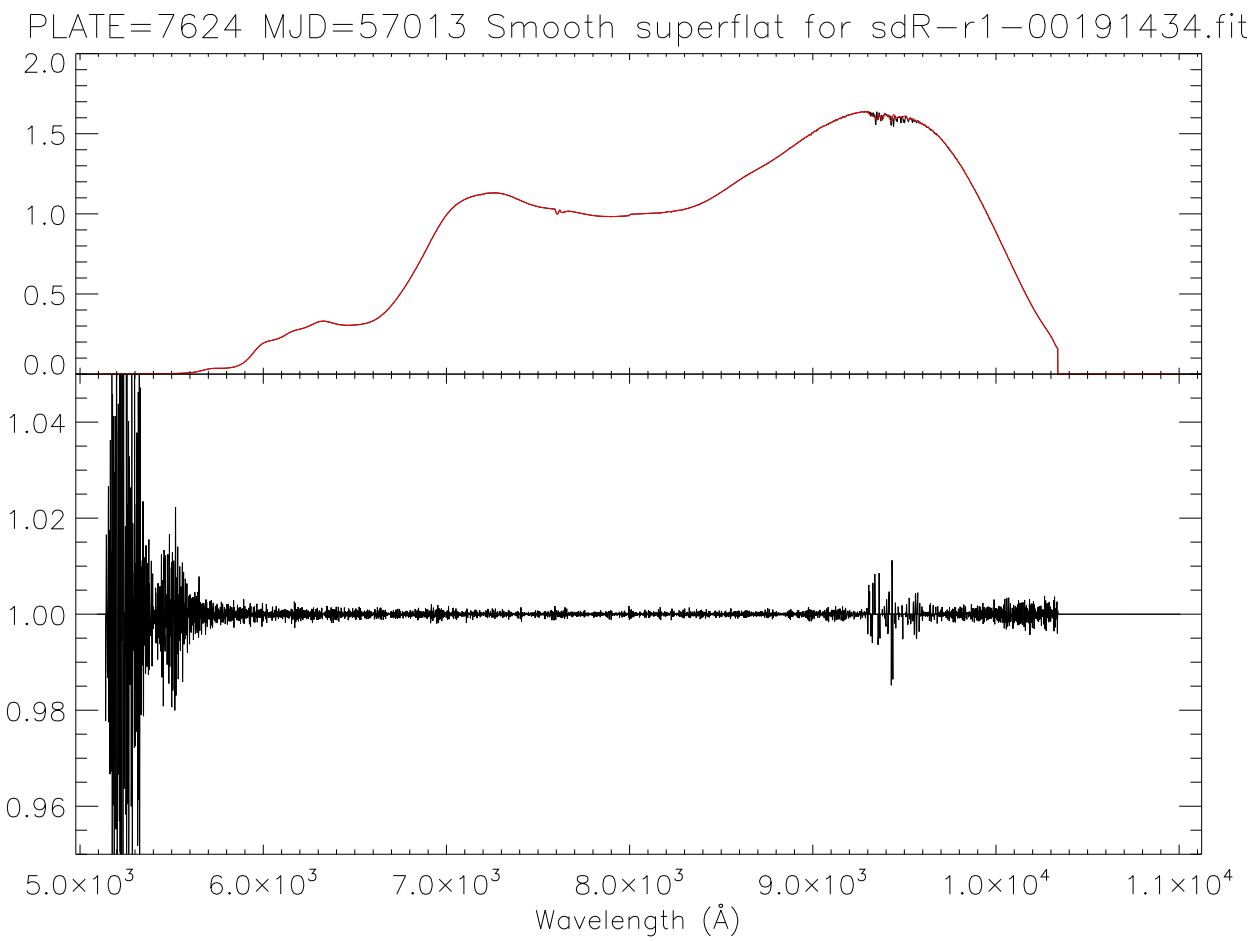

PLATE=7624 MJD=57013 sdR-r1-00191433.fit Skyline Flux at 7343,0
Flux (7343.0)/Airmass
RED = sky fiber
Dispersion = 2.58 %
Fiber number
Flux (7343.0)/Airmass
Focal Distance [mm]
Flux (7343.0)/Airmass
Airmass

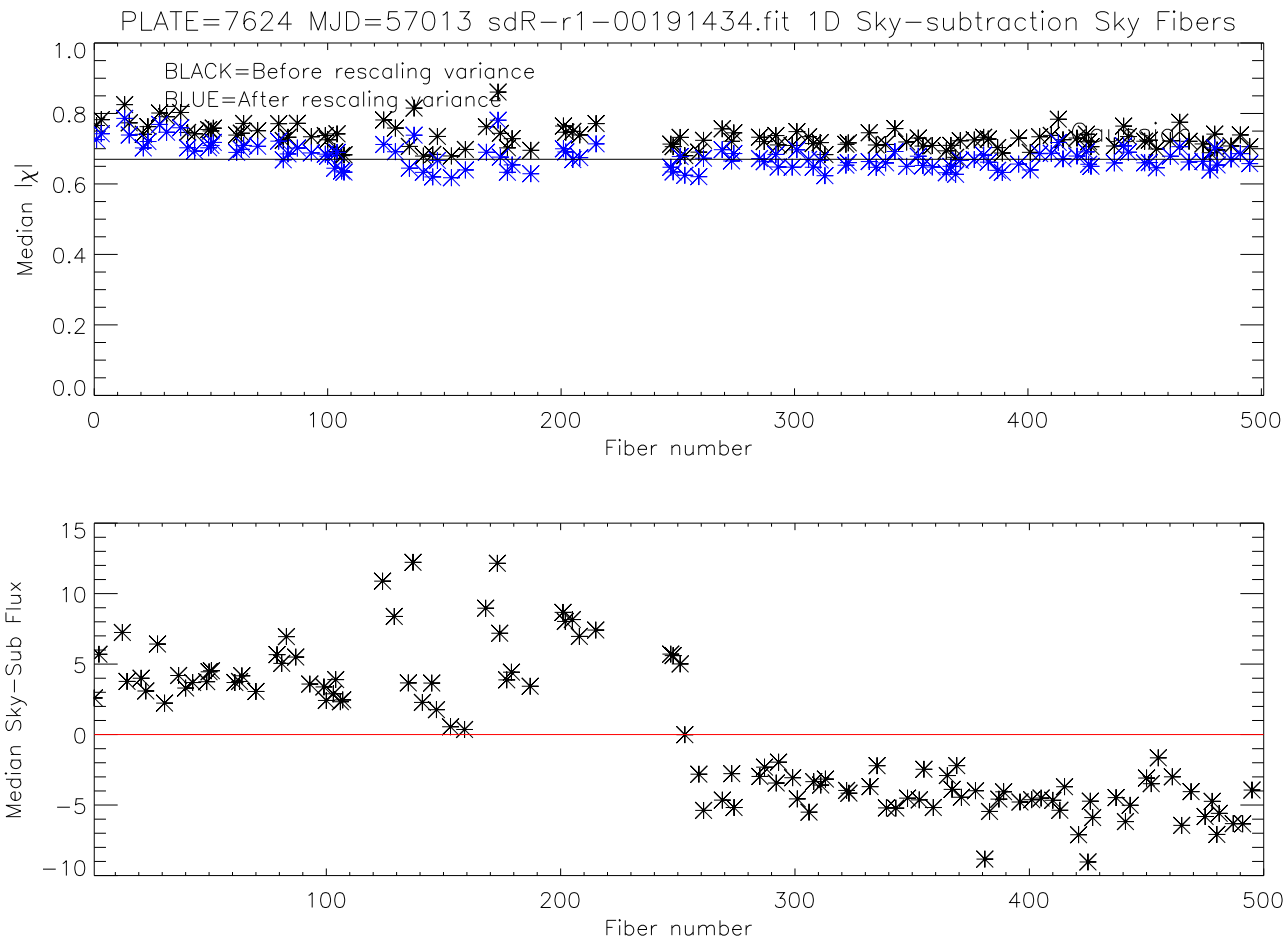

PLATE=7624 MJD=57013 sdR-r1-00191433.fit Skyline Flux at 8888.3
Flux (8888.3)/Airmass
RED = sky fiber
Dispersion = 15.60 %
Fiber number
Focal Distance [mm]
Airmass

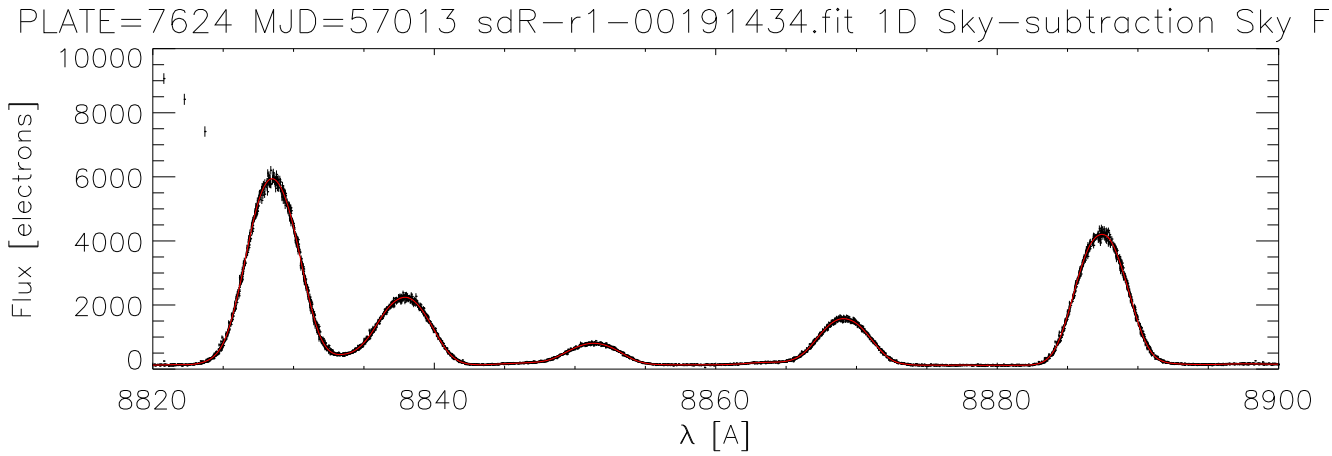

PLATE=7624 MJD=57013 Fiber−Flats for sdR−r1−00191432.fit
BLACK = Median value
ENVELOPE = 95% of points
GREEN = Outlier points
Min value = −142.422
Max value = 29.495
Fiber−Flat
1.5
1.0
0.5
0.0
6.0×10^3
7.0×10^3
8.0×10^3
9.0×10^3
1.0×10^4
1.1×10^4
λ [A]
Sun May 29 09:22:40 2016

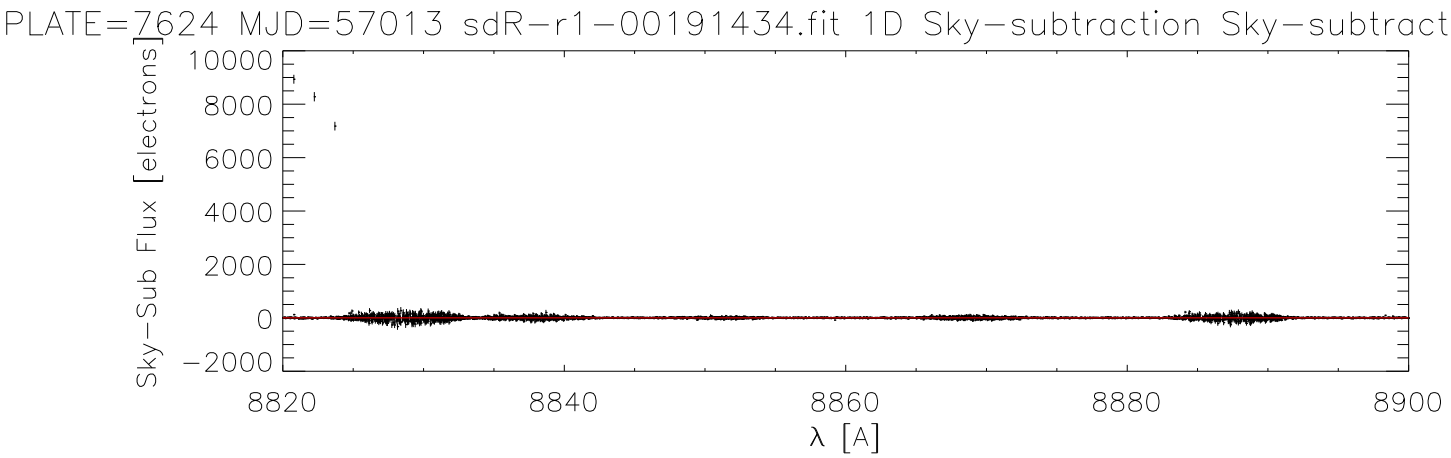

PLATE=7624 MJD=57013 Extraction chi$^2$ for sdR−r1−00191434.fit
BLACK = Final chisq extraction
$\chi^2$
1.0
0.8
0.6
0.4
0.2
0.0
0
1000
2000
3000
4000
Row number


PLATE=7624 MJD=57013 Sky Line Deviations for sdR-r1-00191434.fit
Before shift
After shift
1.00 pix
Fiber Number
0
100
200
300
400
500
5460 5577 6300 6363 6553 6923 6949 7571 7794 7821 8399 8430 8885 8919
Sky Line Wavelength

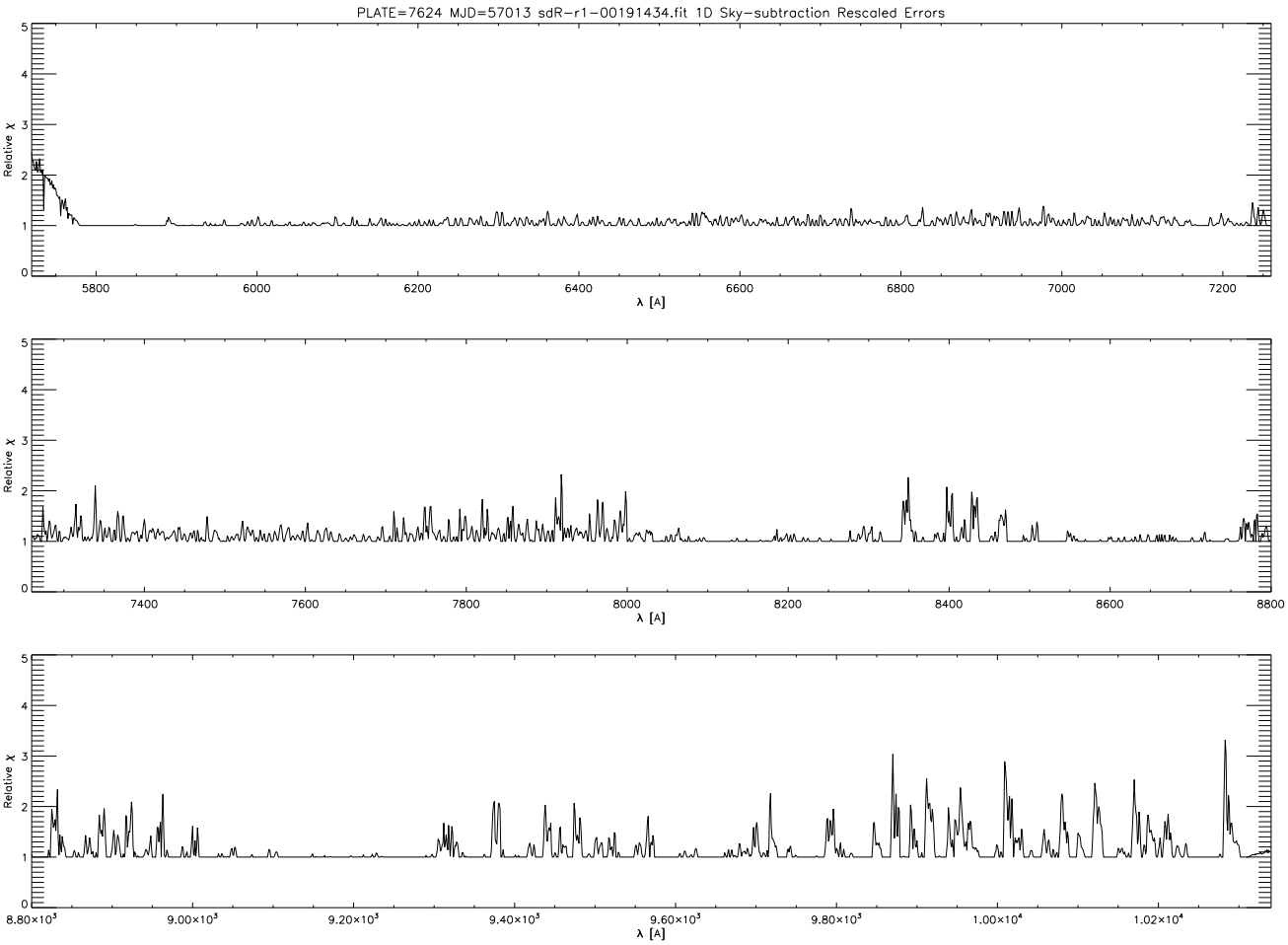

PLATE=7624 MJD=57013 Smooth superflat for sdR-r1-00191434.fit
2.0
1.5
1.0
0.5
0.0
1.04
1.02
1.00
0.98
0.96
5.0×10^3
6.0×10^3
7.0×10^3
8.0×10^3
9.0×10^3
1.0×10^4
1.1×10^4
Wavelength (Å)

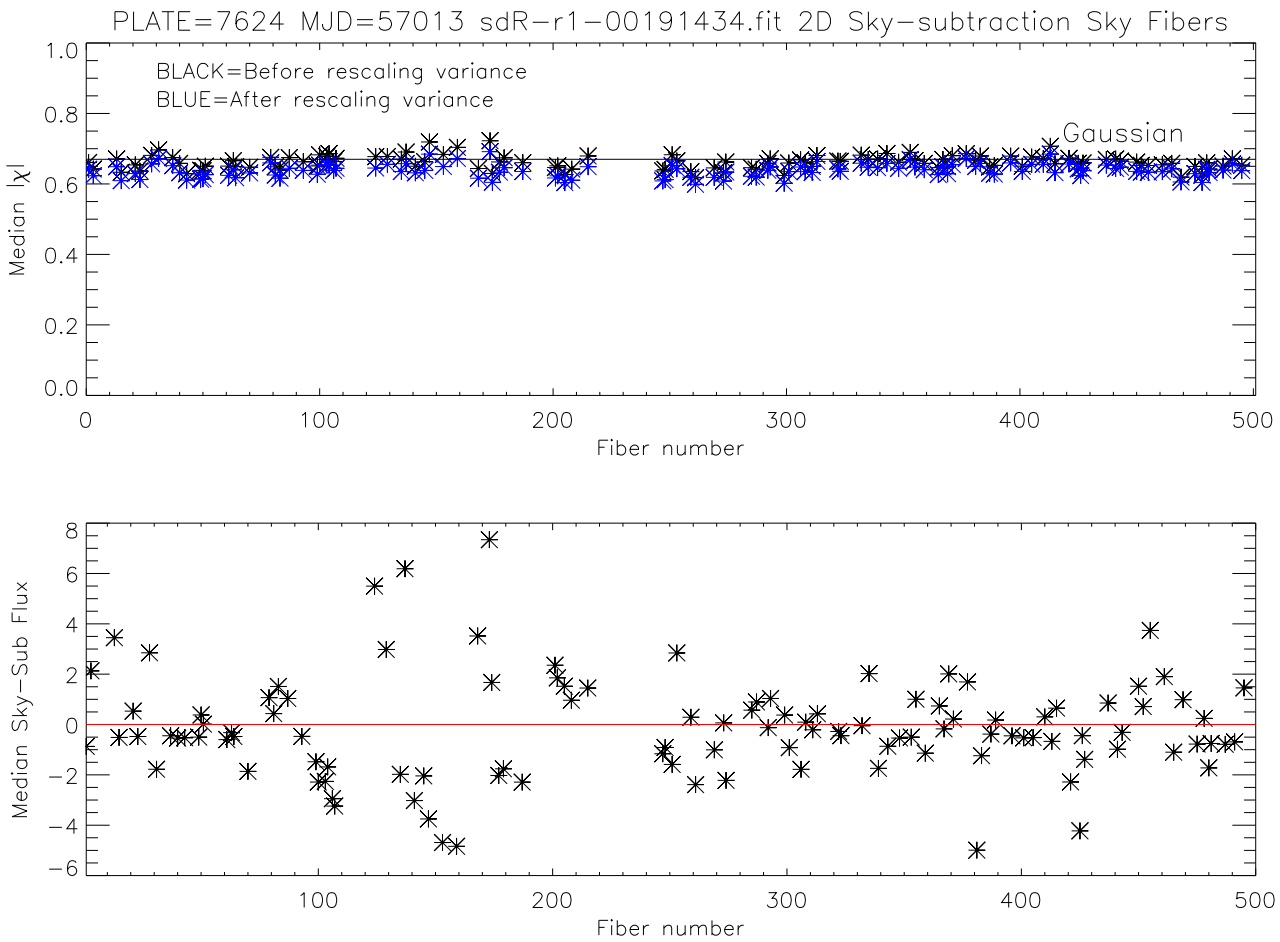

PLATE=7624 MJD=57013 sdR-r1-00191434.fit 1D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

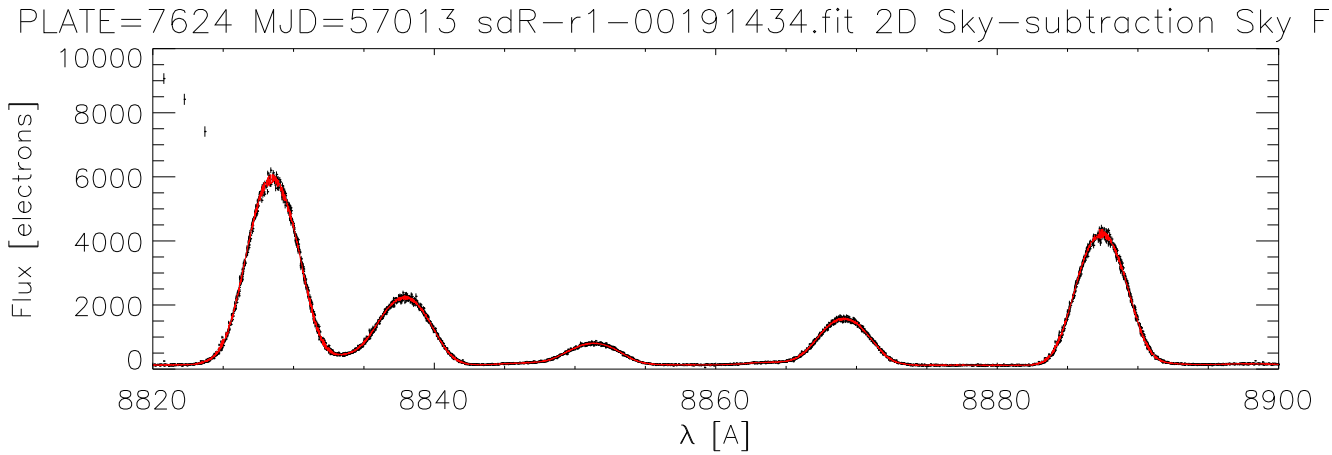

PLATE=7624 MJD=57013 sdR-r1-00191434.fit 1D Sky-subtraction Sky Fibers
Flux [electrons]
10000
8000
6000
4000
2000
0
8820
8840
8860
8880
8900
λ [A]

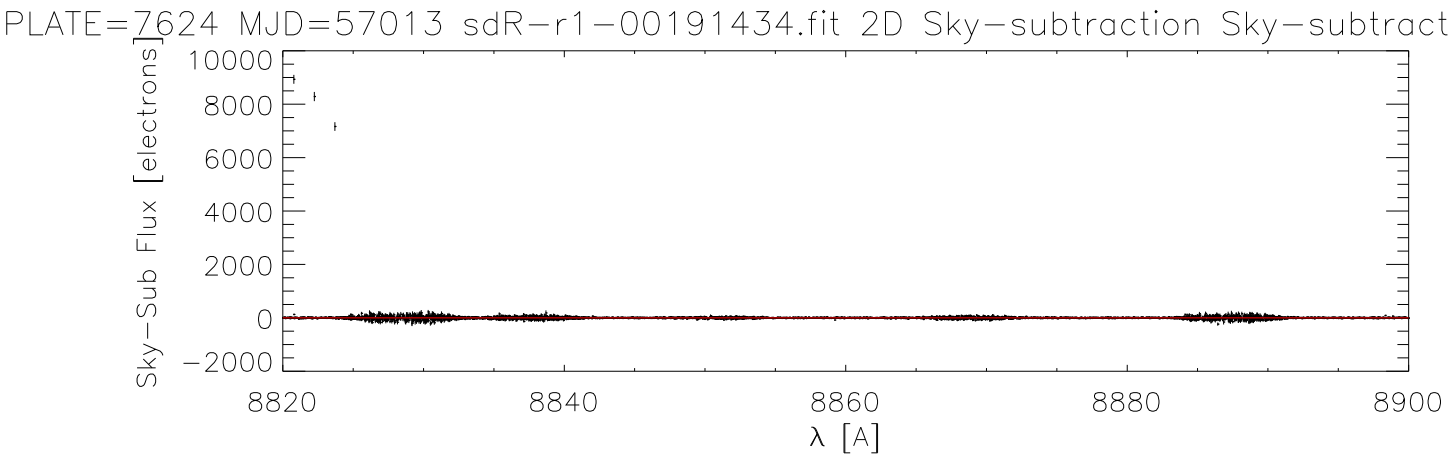

PLATE=7624 MJD=57013 sdR-r1-00191434.fit 1D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
10000
8000
6000
4000
2000
0
-2000
8820
8840
8860
8880
8900
λ [A]

Number of sky fibers = 113

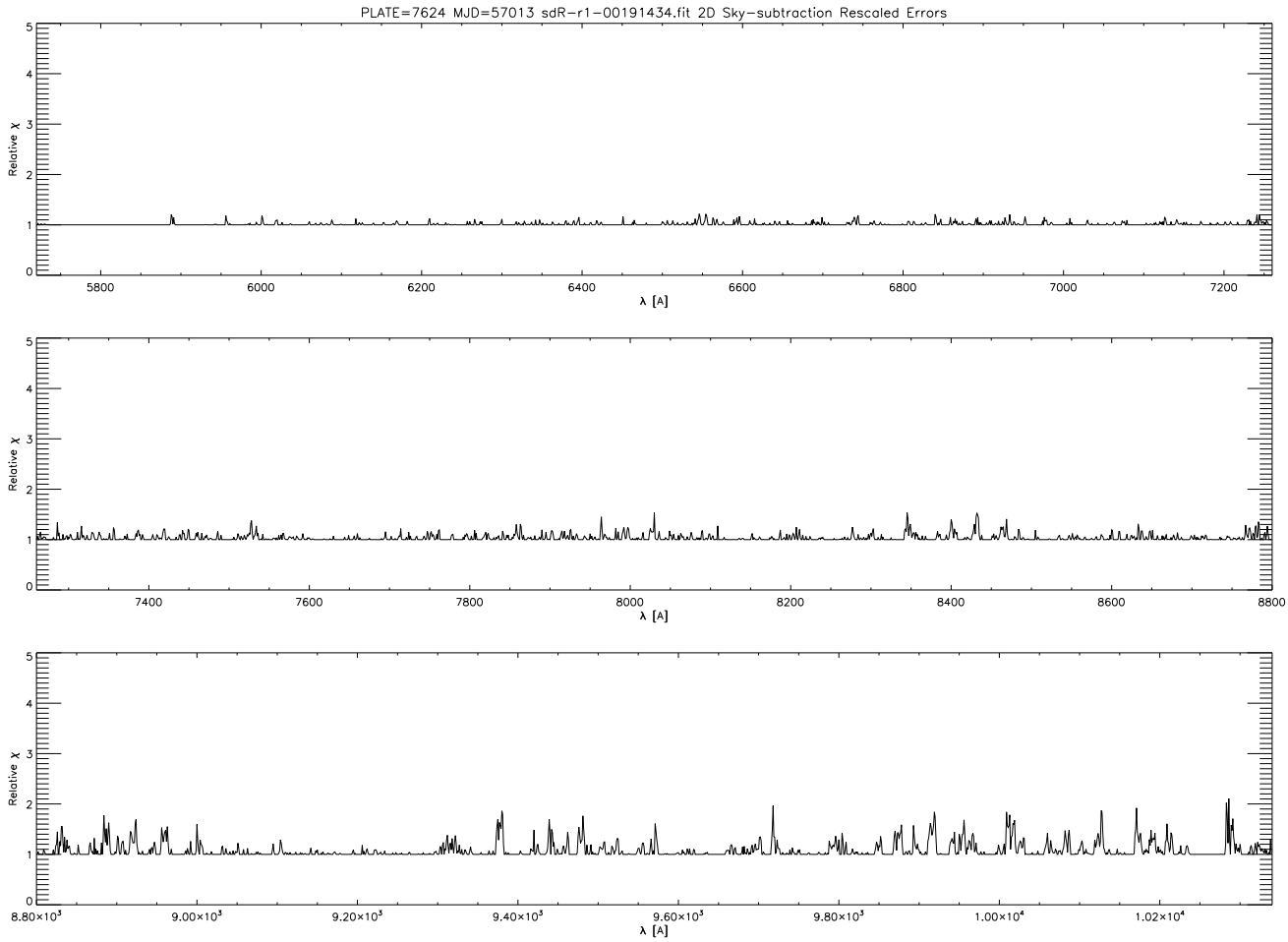


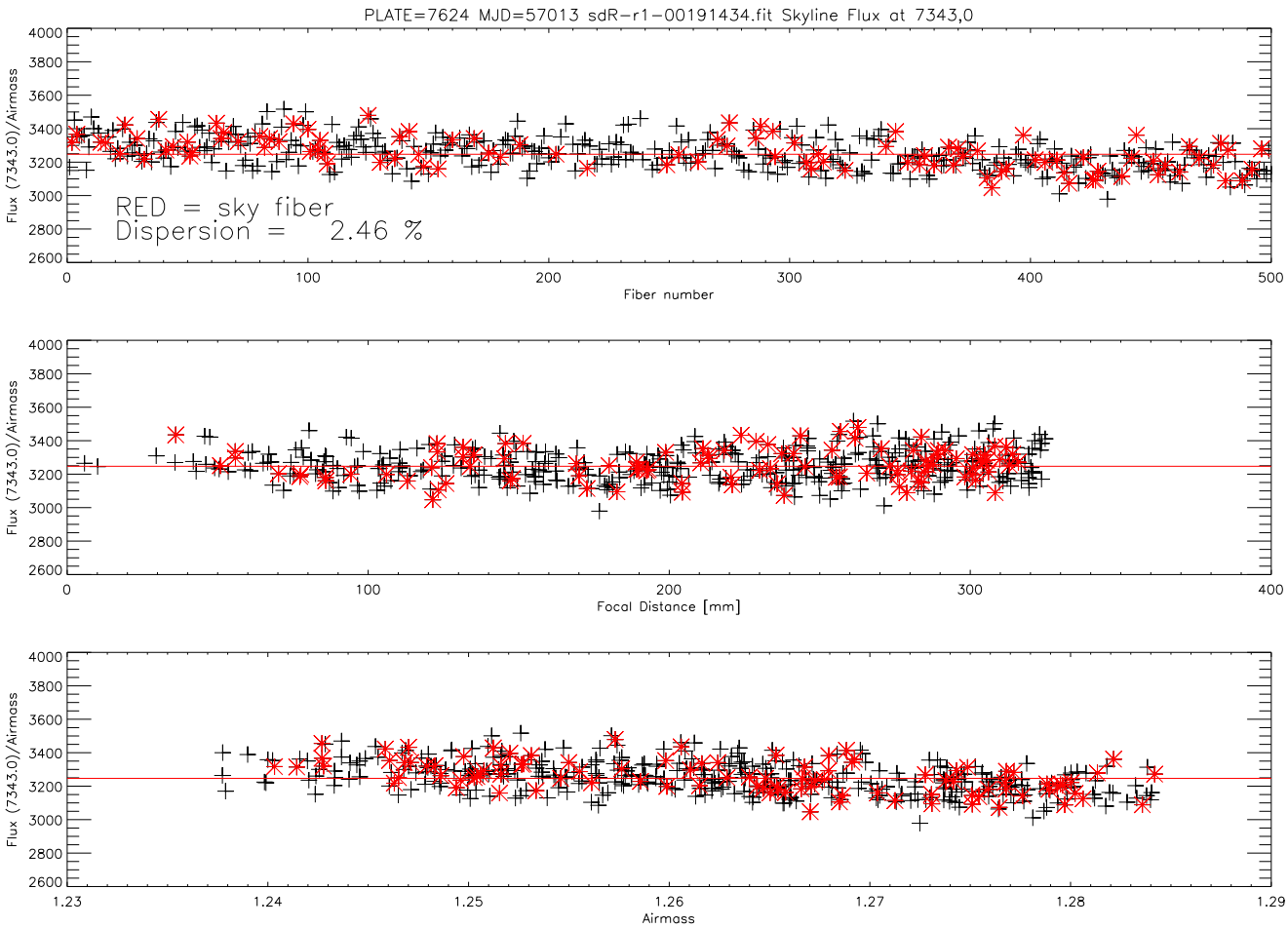

PLATE=7624 MJD=57013 sdR-r1-00191434.fit 2D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

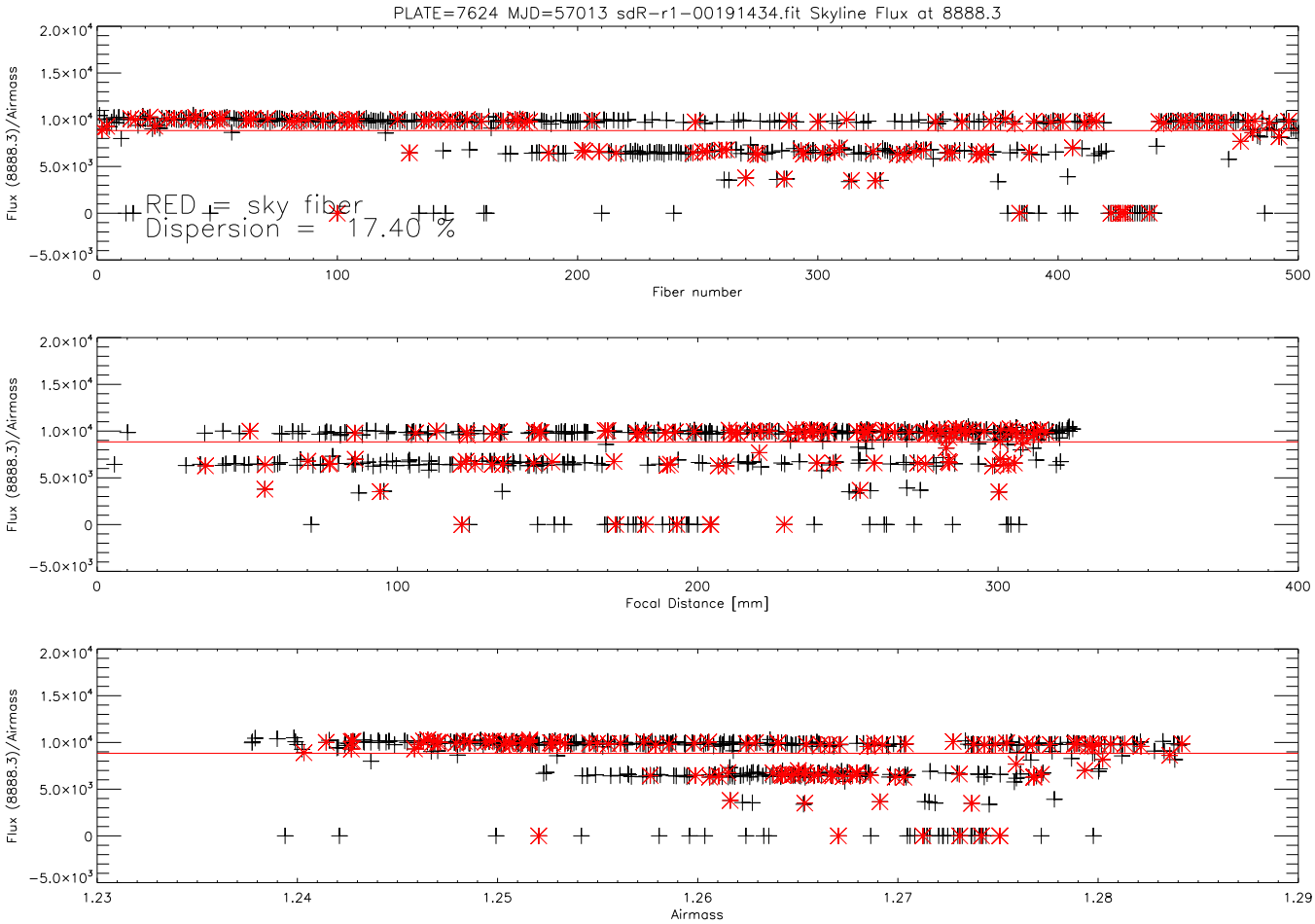

PLATE=7624 MJD=57013 sdR-r1-00191434.fit 2D Sky-subtraction Sky Fibers
Flux [electrons]
10000
8000
6000
4000
2000
0
8820
8840
8860
8880
8900
λ [A]

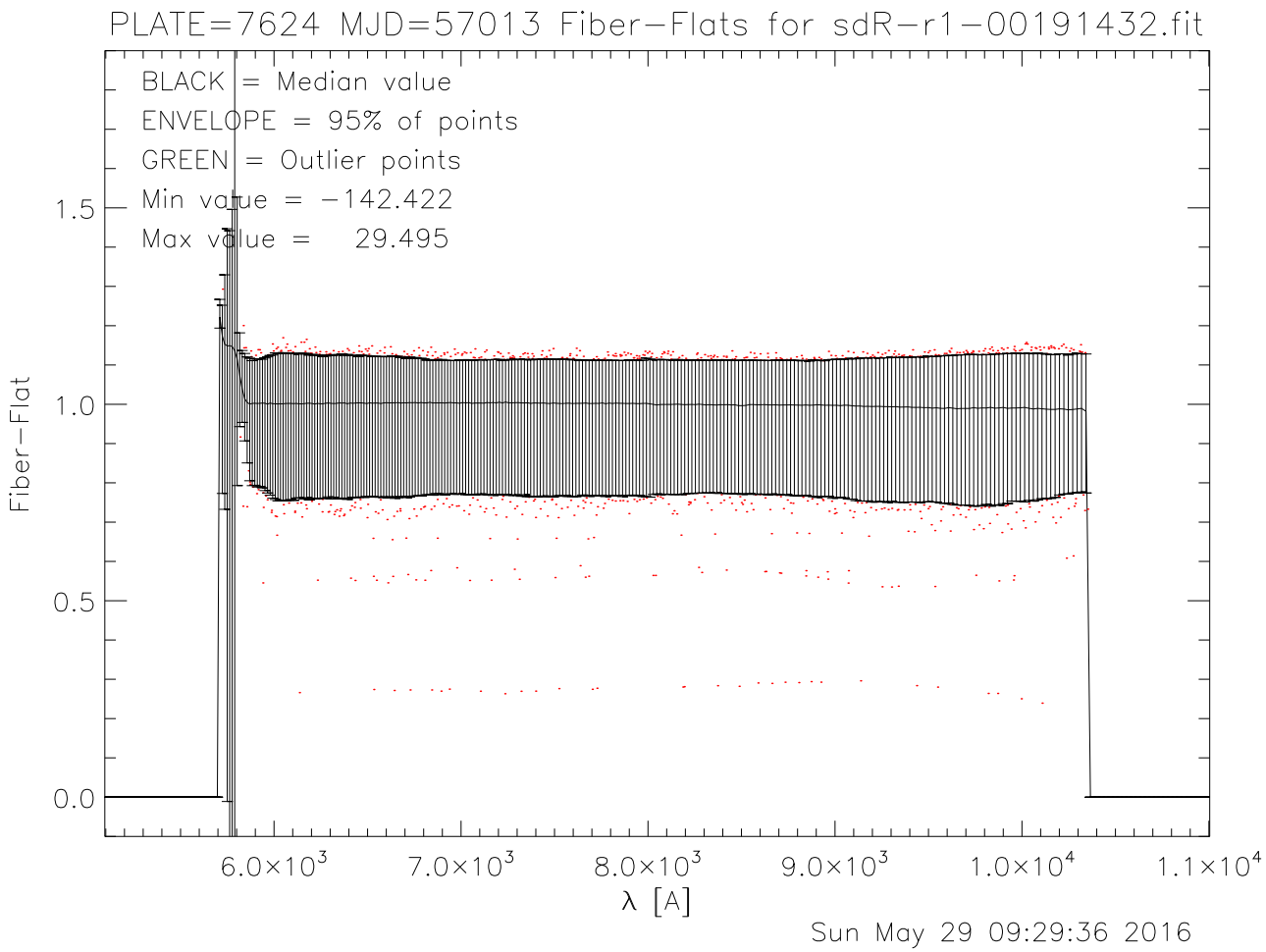

PLATE=7624 MJD=57013 sdR-r1-00191434.fit 2D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
10000
8000
6000
4000
2000
0
-2000
8820
8840
8860
8880
8900
λ [A]

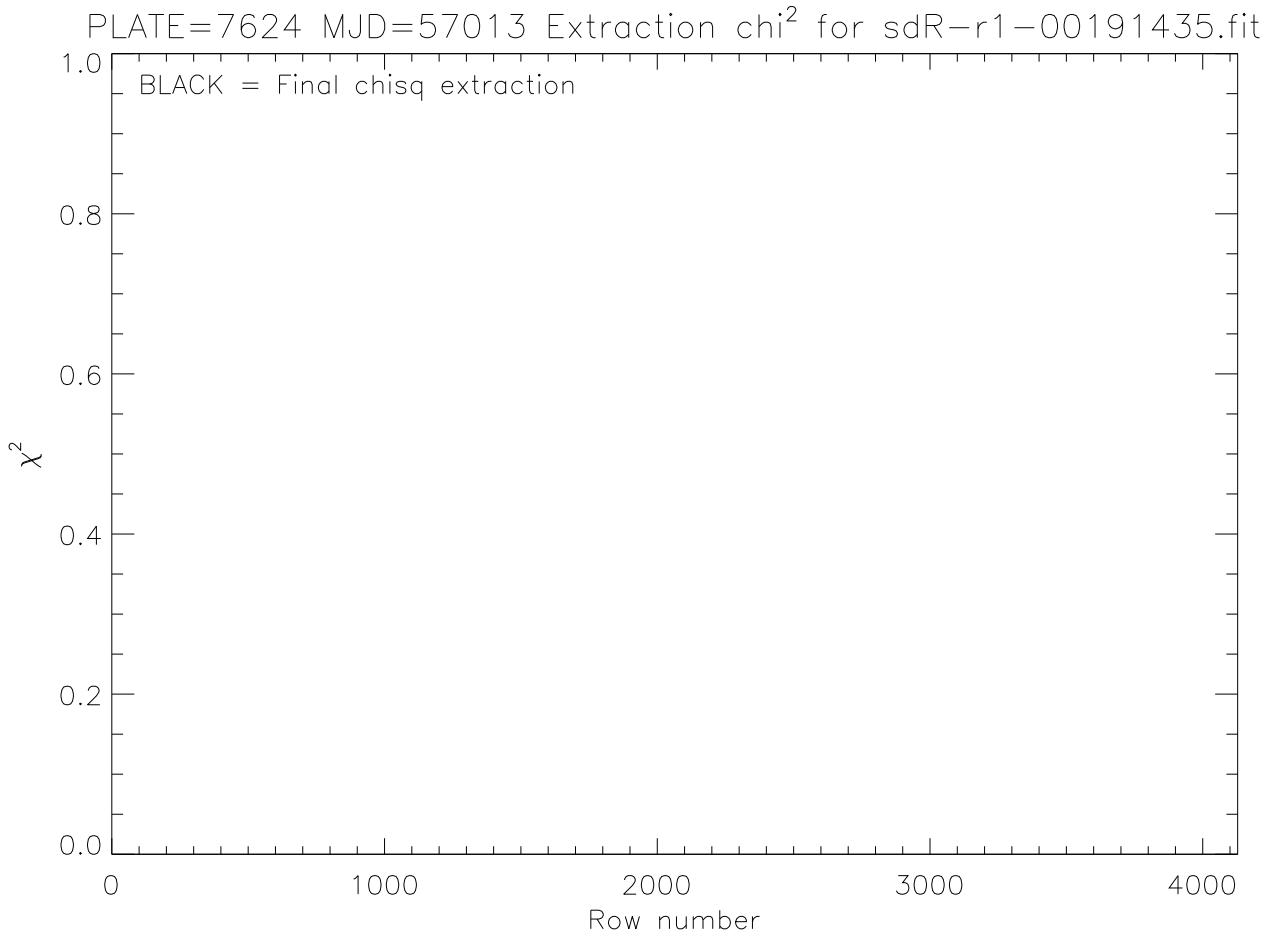
Number of sky fibers = 113

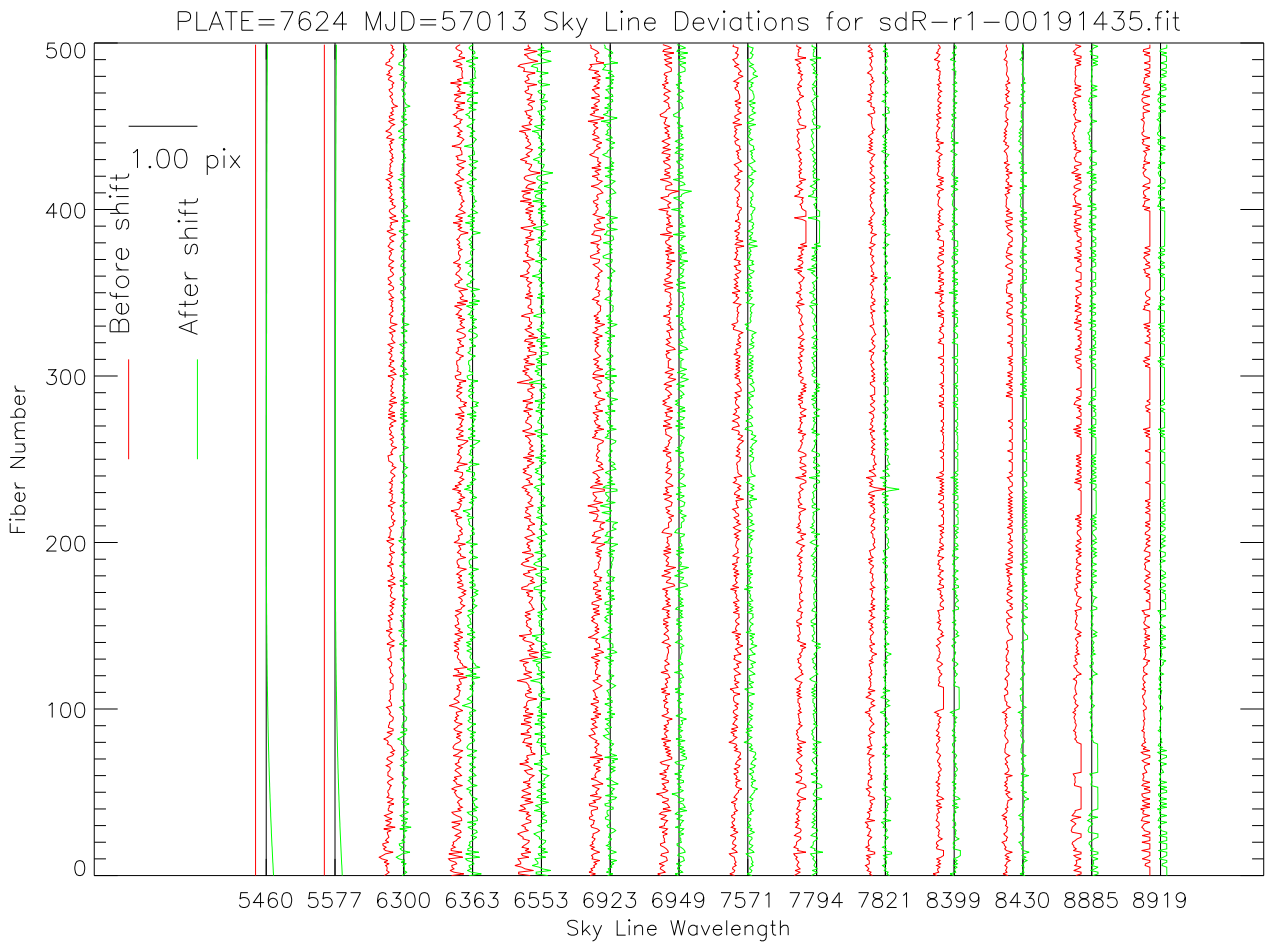


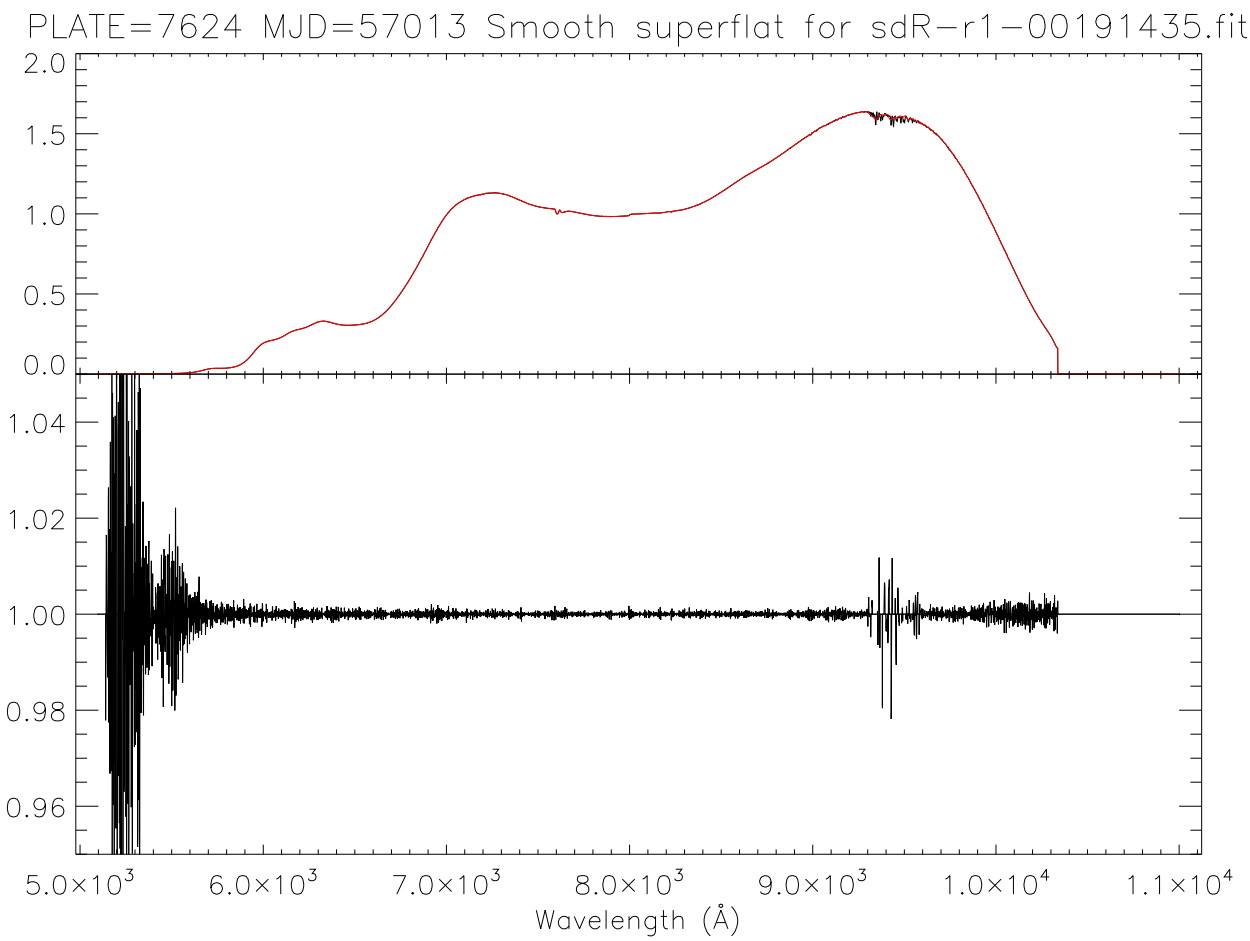

PLATE=7624 MJD=57013 sdR-r1-00191434.fit Skyline Flux at 7343,0
Flux (7343.0)/Airmass
RED = sky fiber
Dispersion = 2.46 %
Fiber number
Flux (7343.0)/Airmass
Focal Distance [mm]
Flux (7343.0)/Airmass
Airmass

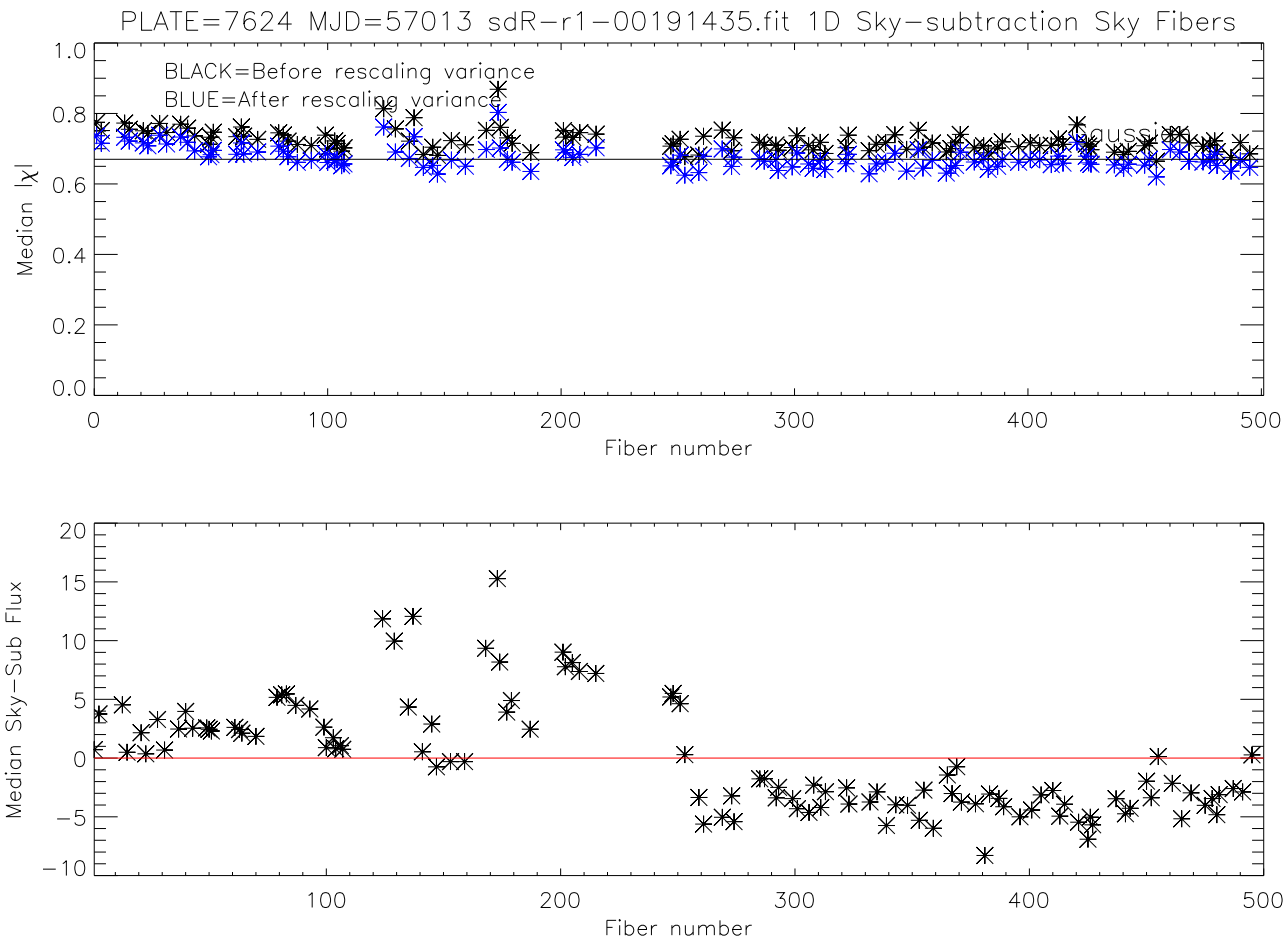

PLATE=7624 MJD=57013 sdR-r1-00191434.fit Skyline Flux at 8888.3
Flux (8888.3)/Airmass
2.0×10⁴
1.5×10⁴
1.0×10⁴
5.0×10³
0
−5.0×10³
RED = sky fiber
Dispersion = 17.40 %
0
100
200
300
400
500
Fiber number
Flux (8888.3)/Airmass
Focal Distance [mm]
Flux (8888.3)/Airmass
1.23
1.24
1.25
1.26
1.27
1.28
1.29
Airmass

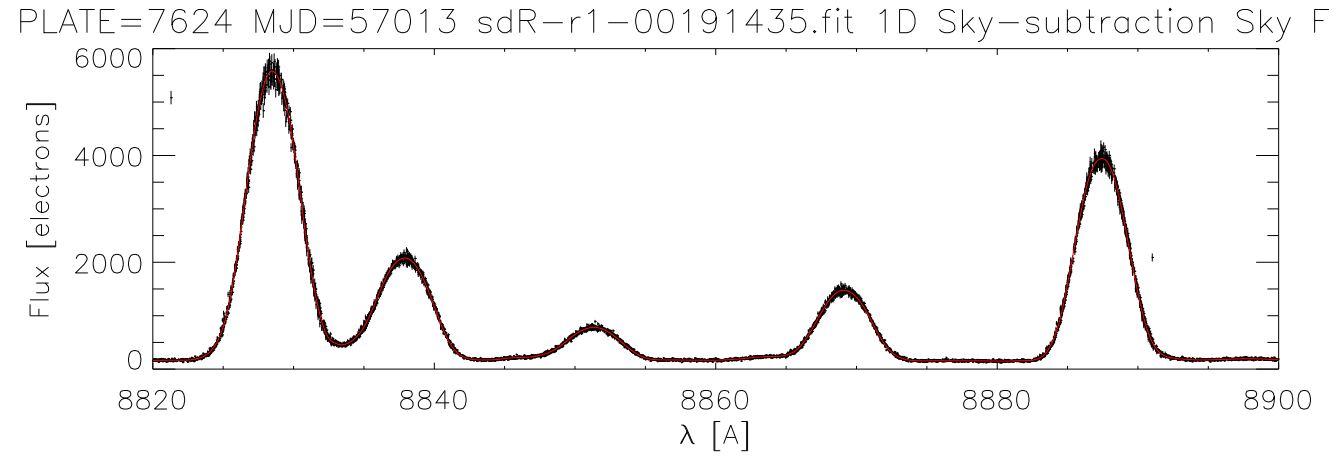

PLATE=7624 MJD=57013 Fiber−Flats for sdR−r1−00191432.fit
BLACK = Median value
ENVELOPE = 95% of points
GREEN = Outlier points
Min value = −142.422
Max value = 29.495
Fiber−Flat
1.5
1.0
0.5
0.0
6.0×10^3
7.0×10^3
8.0×10^3
9.0×10^3
1.0×10^4
1.1×10^4
λ [A]
Sun May 29 09:29:36 2016

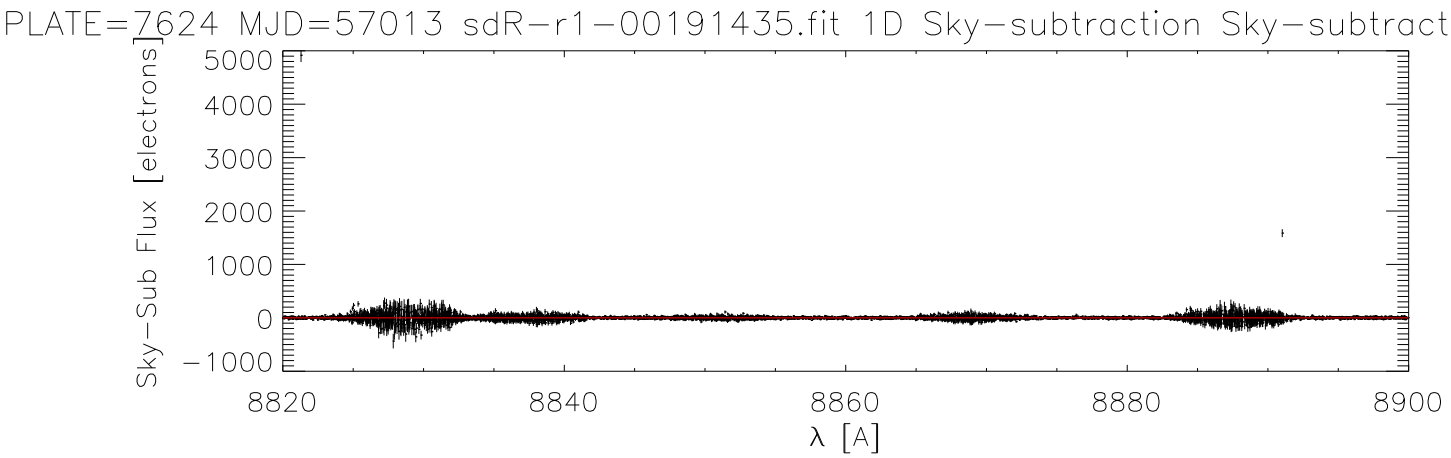

PLATE=7624 MJD=57013 Extraction chi$^2$ for sdR−r1−00191435.fit
BLACK = Final chisq extraction
$\chi^2$
1.0
0.8
0.6
0.4
0.2
0.0
0
1000
2000
3000
4000
Row number


PLATE=7624 MJD=57013 Sky Line Deviations for sdR-r1-00191435.fit
Before shift
After shift
1.00 pix
Fiber Number
0
100
200
300
400
500
5460 5577 6300 6363 6553 6923 6949 7571 7794 7821 8399 8430 8885 8919
Sky Line Wavelength

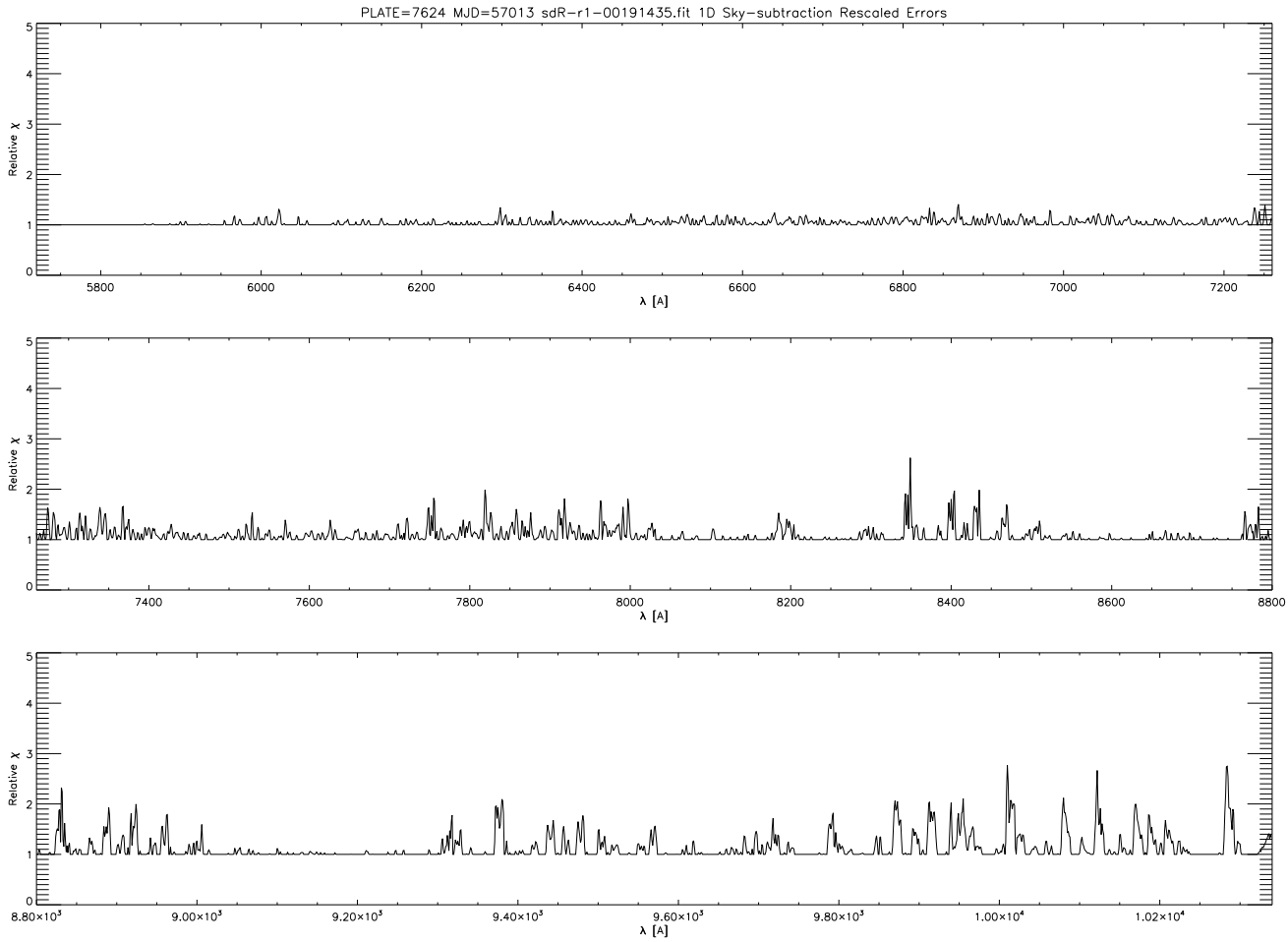

PLATE=7624 MJD=57013 Smooth superflat for sdR-r1-00191435.fit
2.0
1.5
1.0
0.5
0.0
1.04
1.02
1.00
0.98
0.96
5.0×10^3
6.0×10^3
7.0×10^3
8.0×10^3
9.0×10^3
1.0×10^4
1.1×10^4
Wavelength (Å)

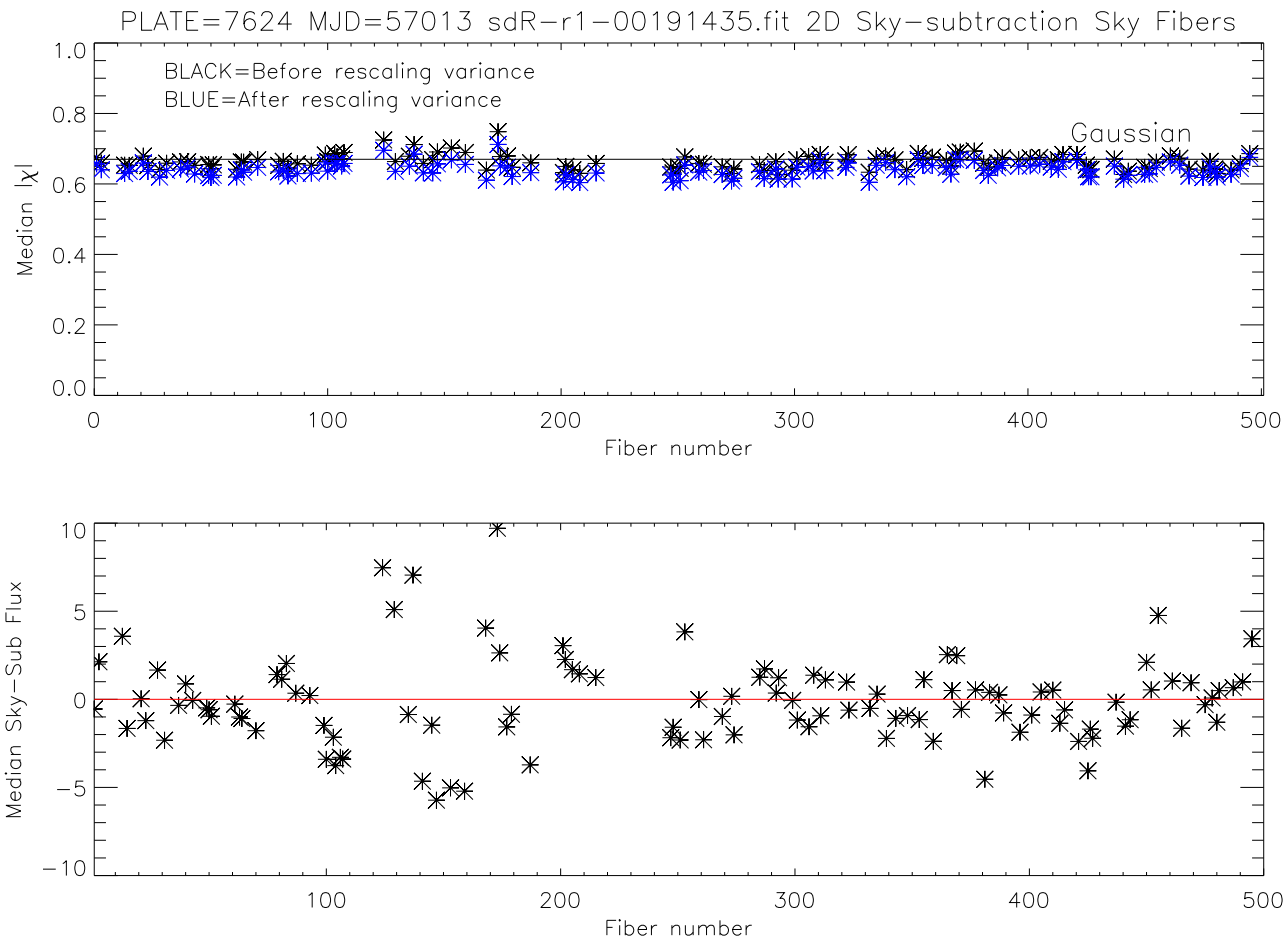

PLATE=7624 MJD=57013 sdR-r1-00191435.fit 1D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

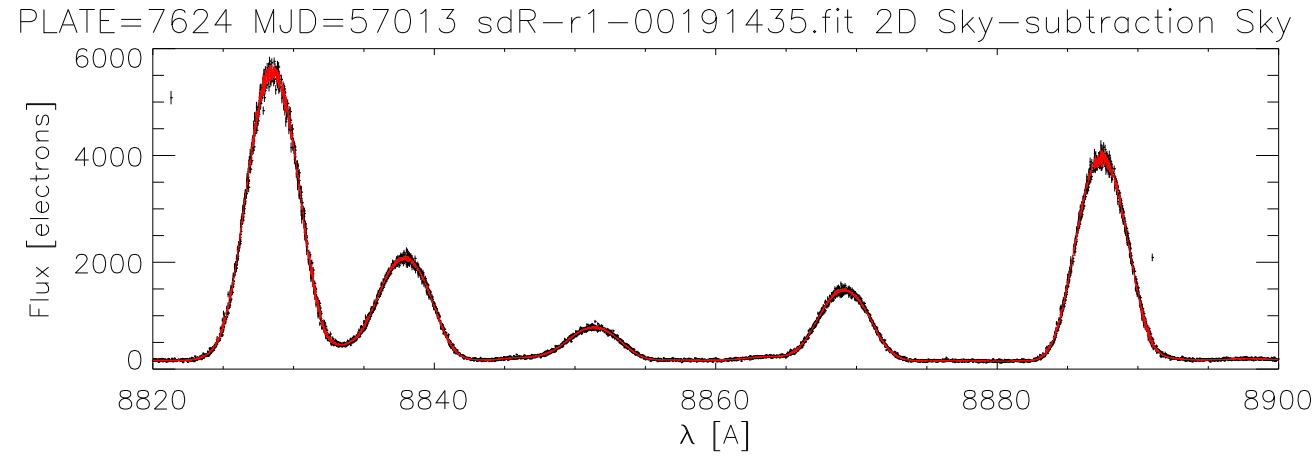

PLATE=7624 MJD=57013 sdR-r1-00191435.fit 1D Sky-subtraction Sky Fibers
Flux [electrons]
6000
4000
2000
0
8820
8840
8860
8880
8900
λ [A]

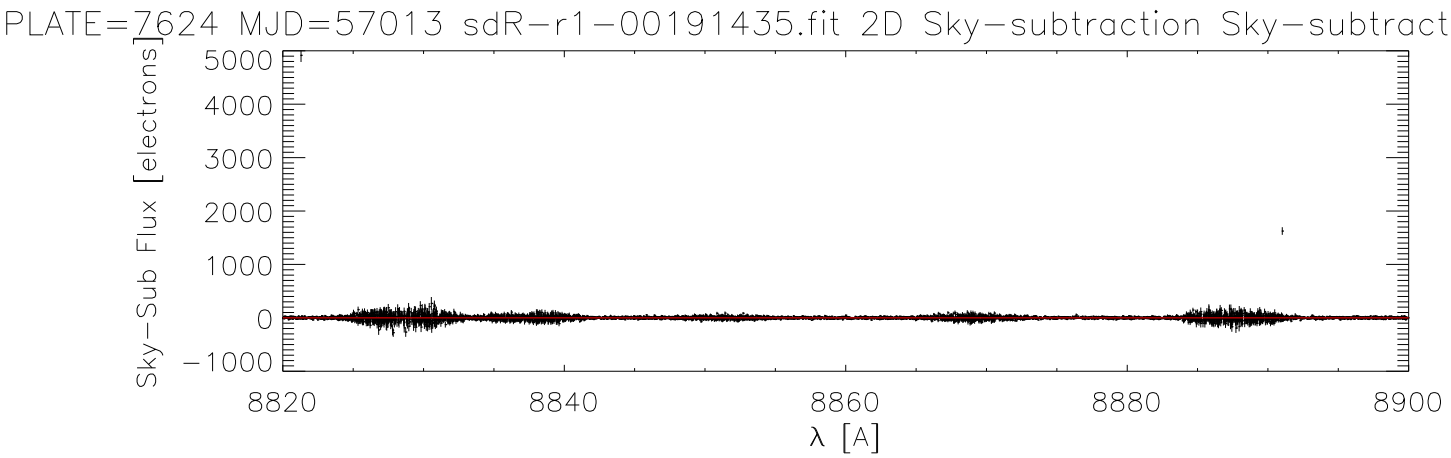

PLATE=7624 MJD=57013 sdR-r1-00191435.fit 1D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
5000
4000
3000
2000
1000
0
-1000
8820
8840
8860
8880
8900
λ [A]

Number of sky fibers = 113

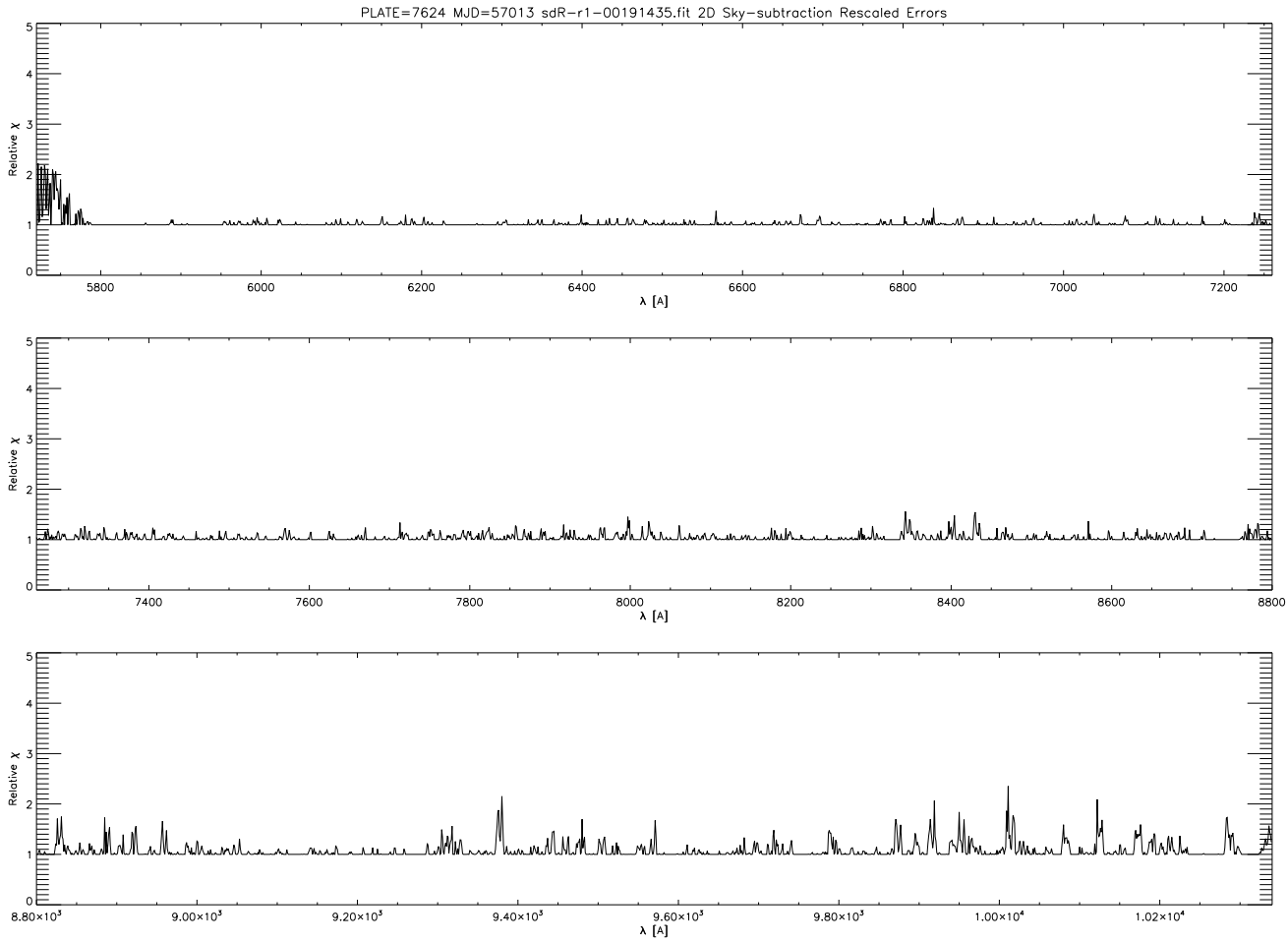


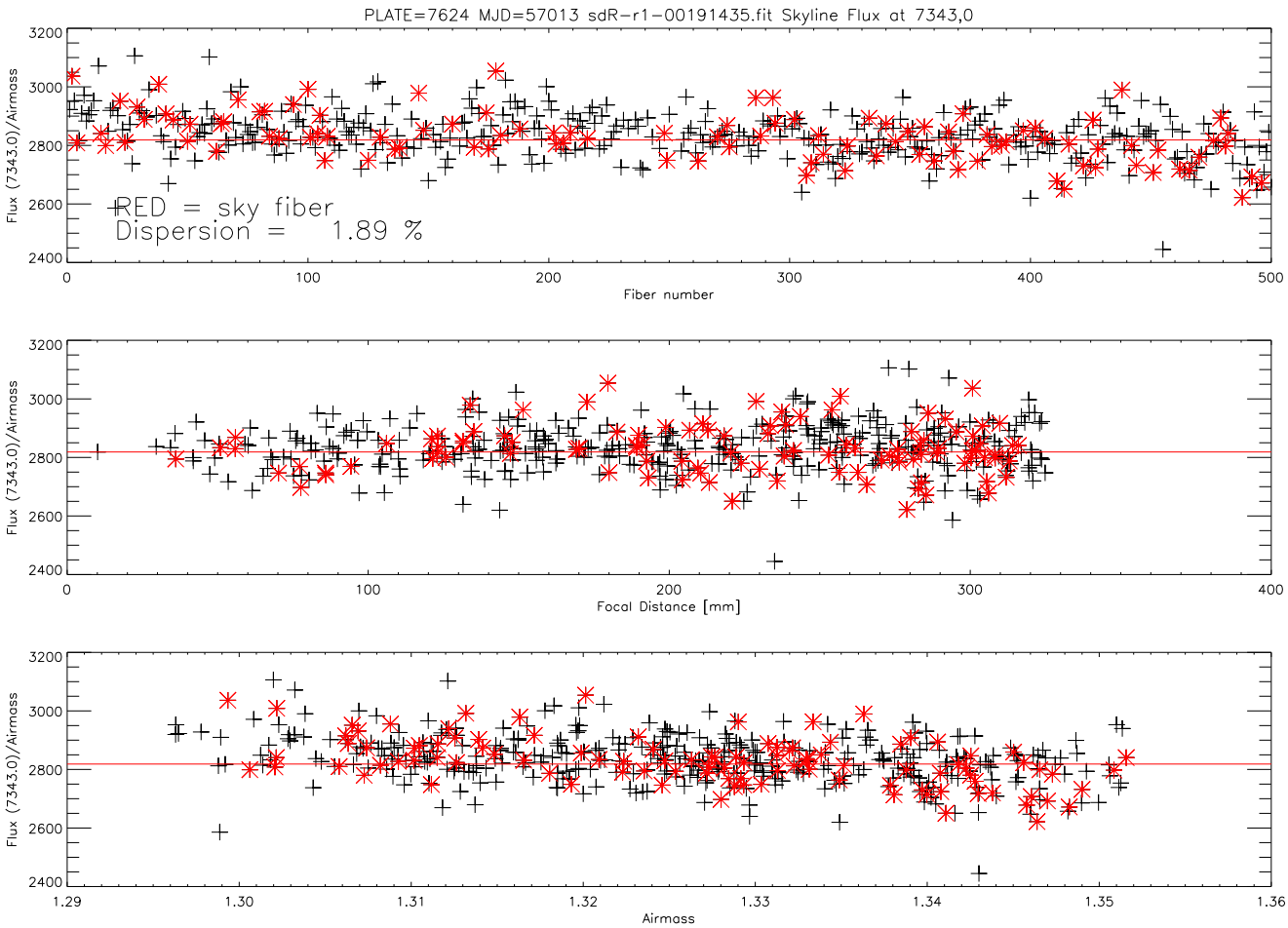

PLATE=7624 MJD=57013 sdR-r1-00191435.fit 2D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

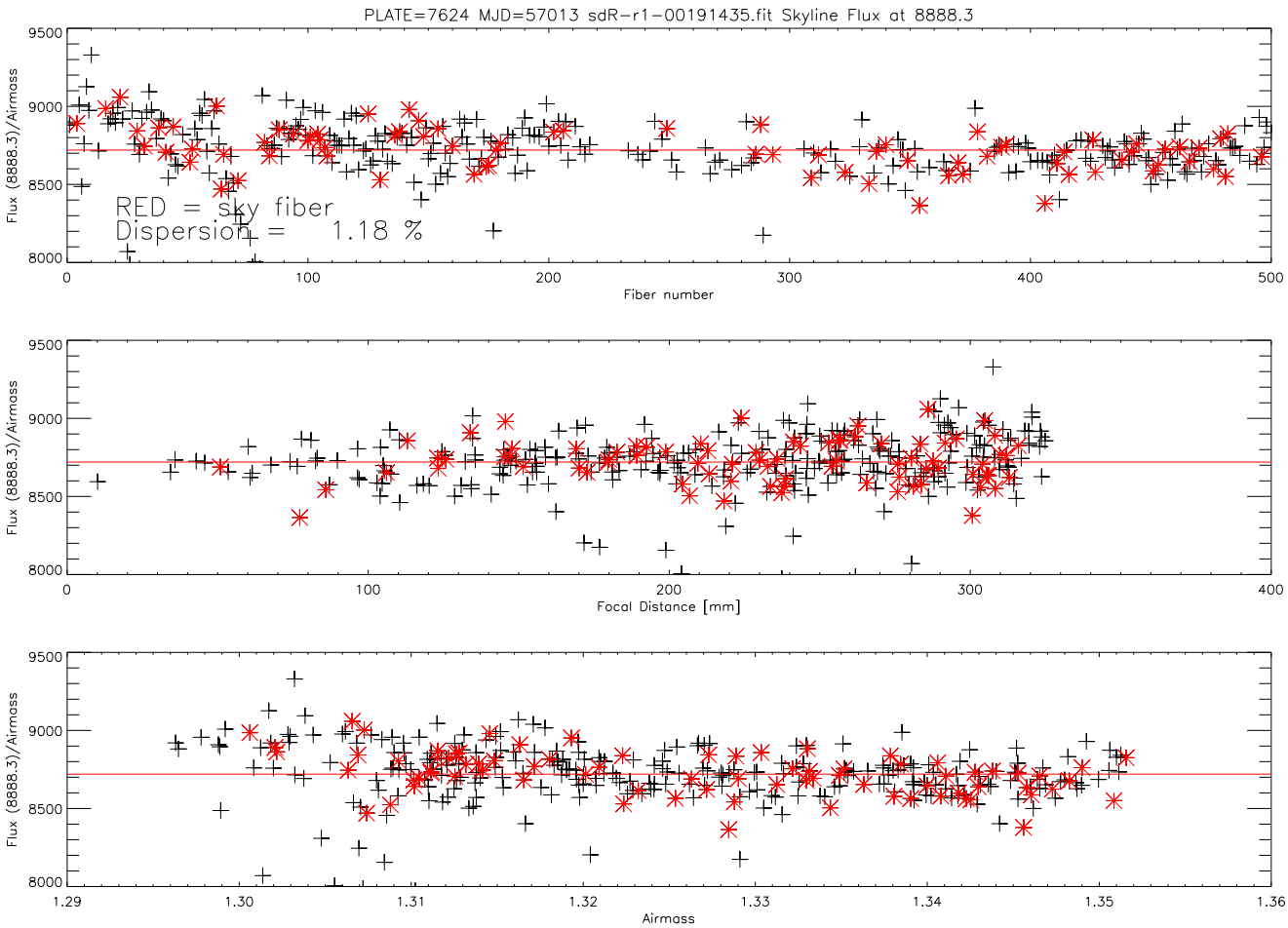

PLATE=7624 MJD=57013 sdR-r1-00191435.fit 2D Sky-subtraction Sky Fibers
Flux [electrons]
6000
4000
2000
0
8820
8840
8860
8880
8900
λ [A]

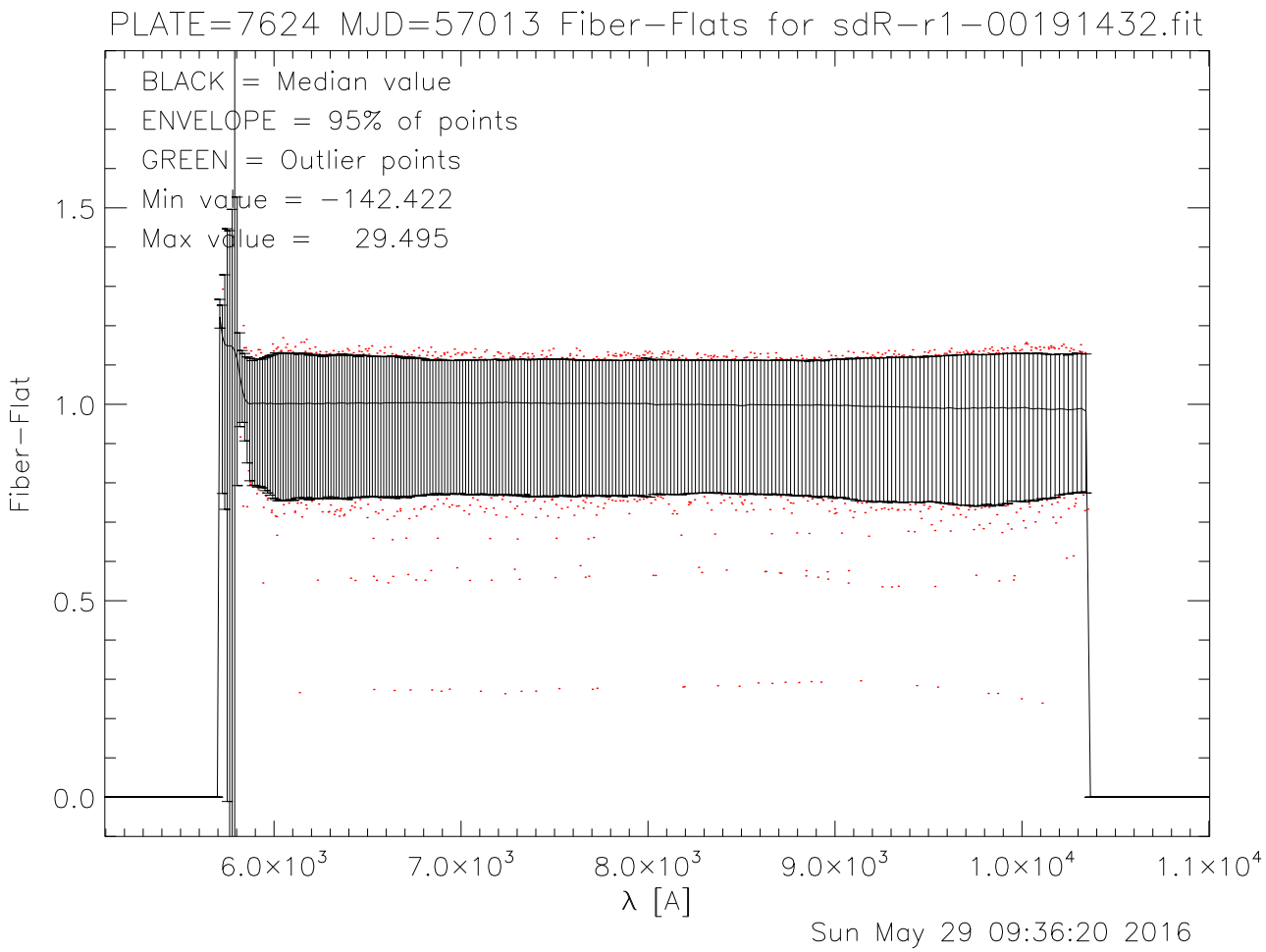

PLATE=7624 MJD=57013 sdR-r1-00191435.fit 2D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
5000
4000
3000
2000
1000
0
-1000
8820
8840
8860
8880
8900
λ [A]

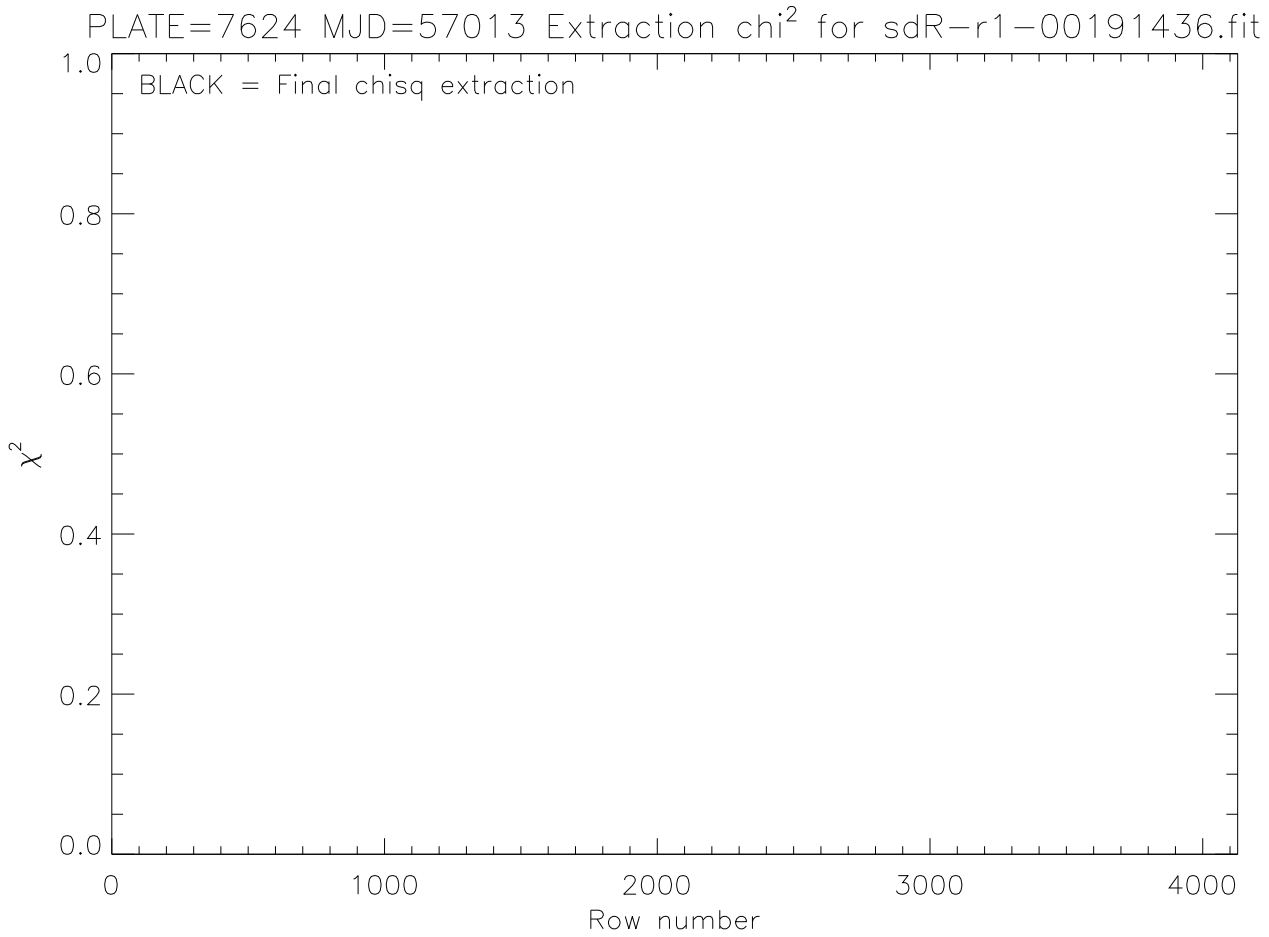
Number of sky fibers = 113

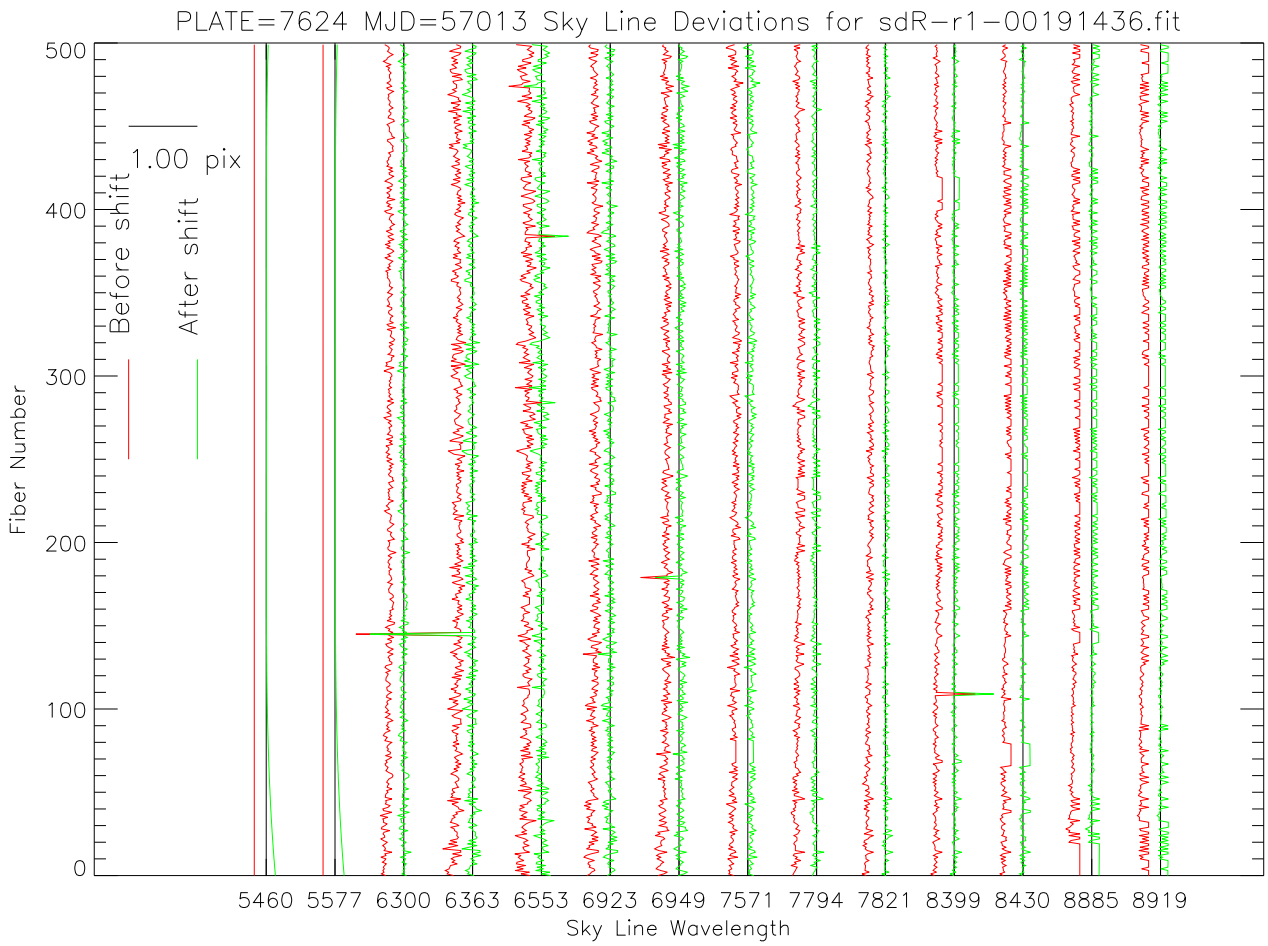


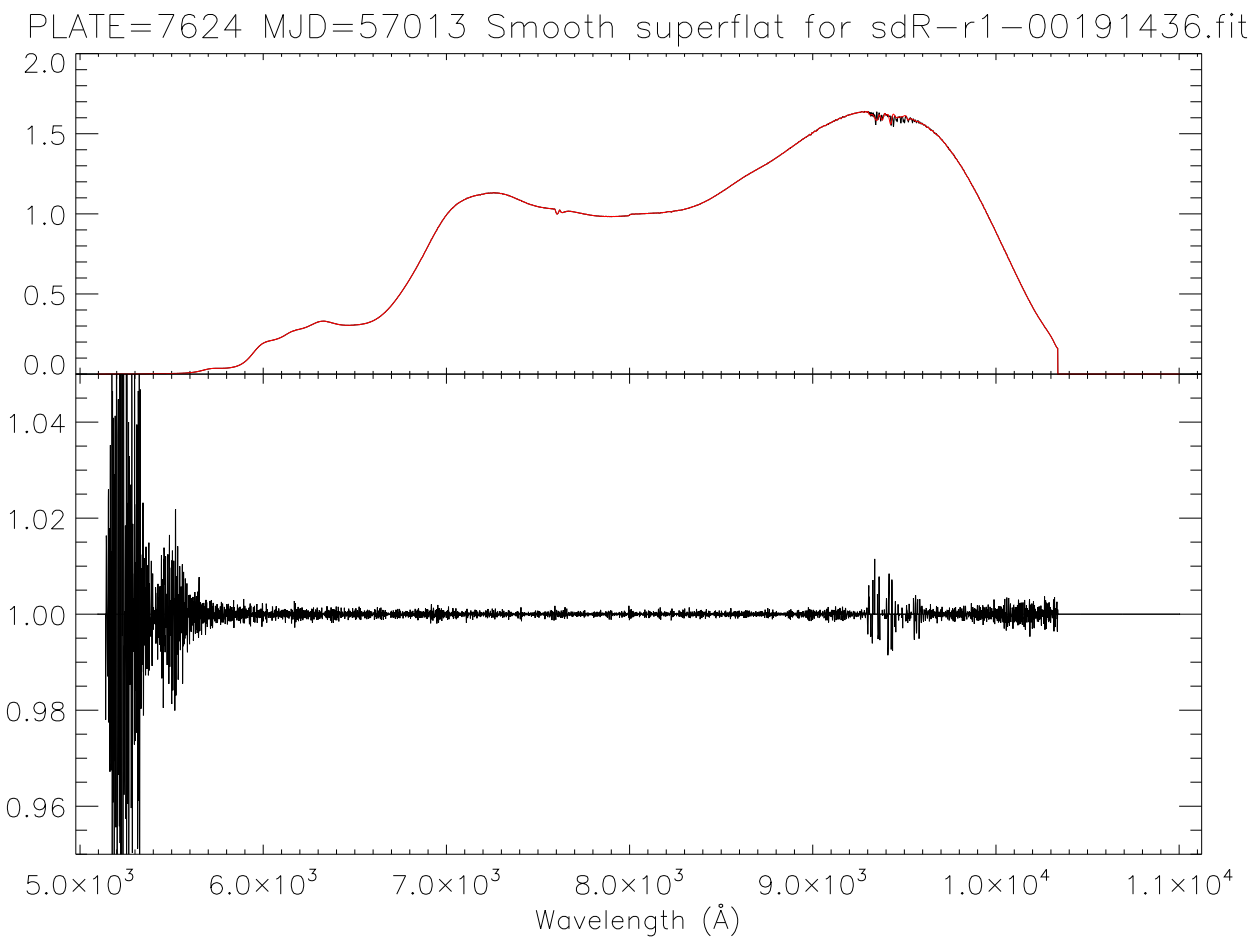

PLATE=7624 MJD=57013 sdR-r1-00191435.fit Skyline Flux at 7343,0
Flux (7343.0)/Airmass
Fiber number
RED = sky fiber
Dispersion = 1.89 %
Flux (7343.0)/Airmass
Focal Distance [mm]
Flux (7343.0)/Airmass
Airmass

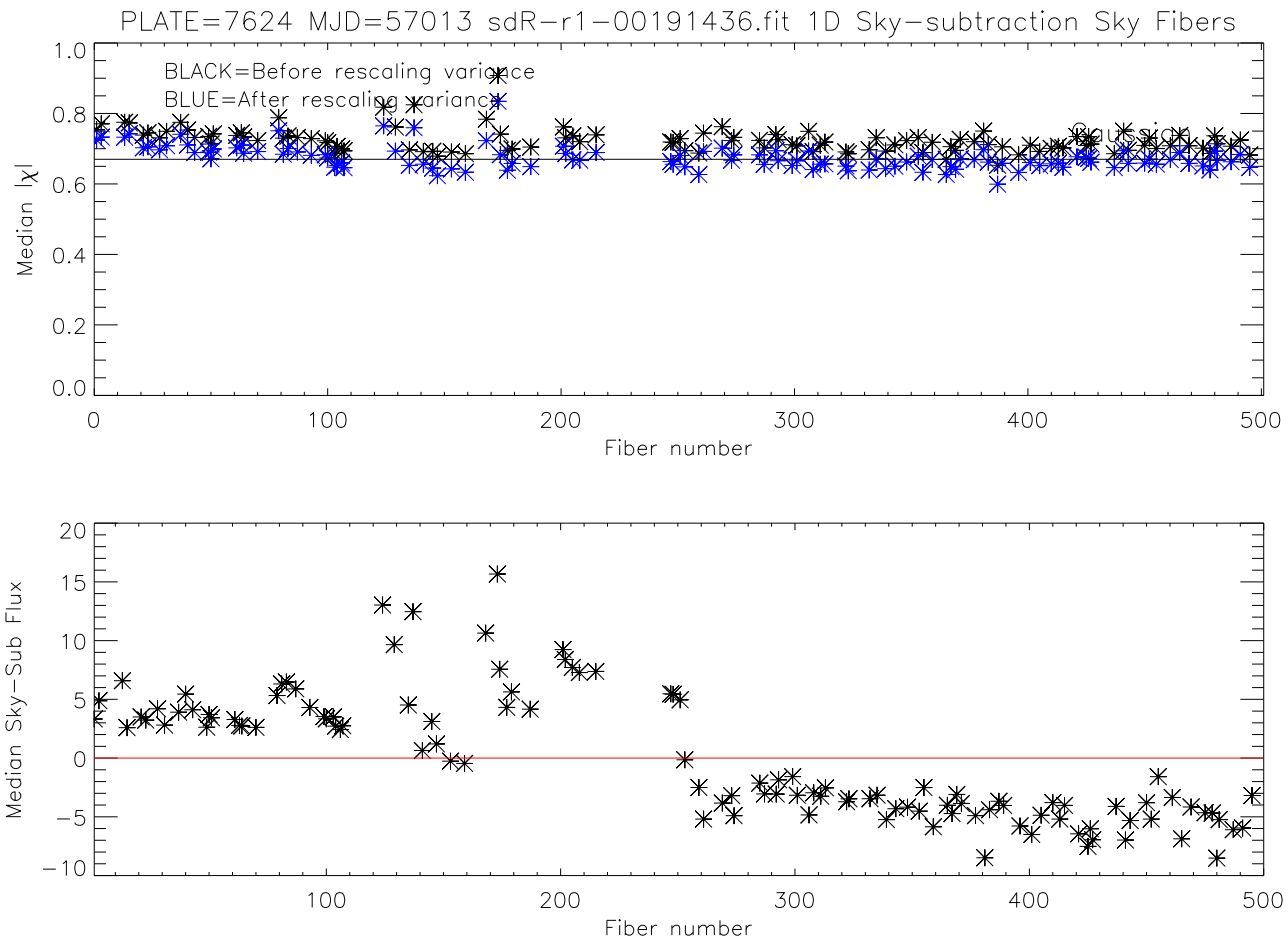

PLATE=7624 MJD=57013 sdR-r1-00191435.fit Skyline Flux at 8888.3
Flux (8888.3)/Airmass
RED = sky fiber
Dispersion = 1.18 %
Fiber number
Focal Distance [mm]
Airmass

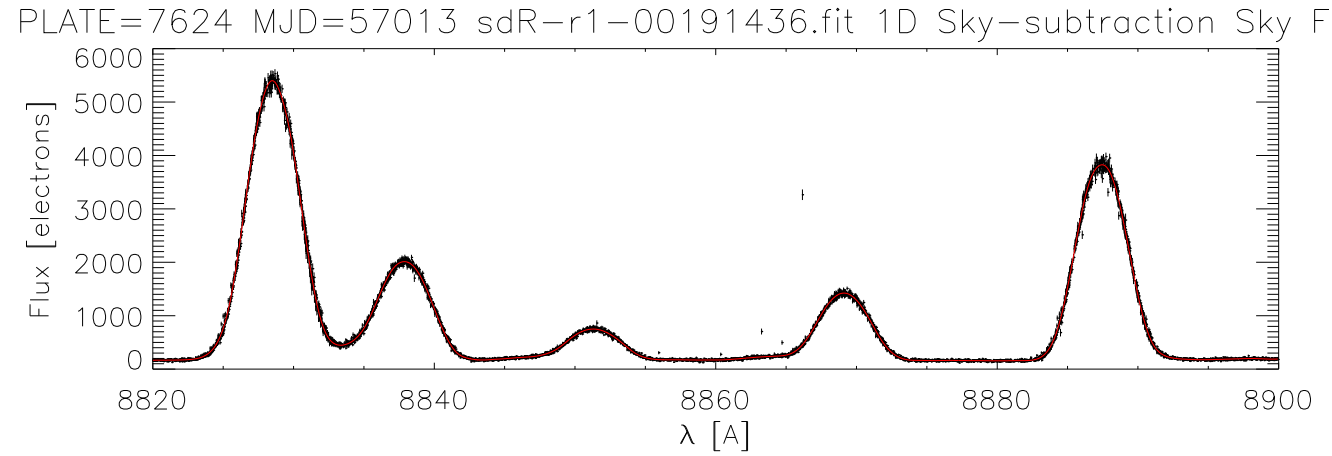

PLATE=7624 MJD=57013 Fiber−Flats for sdR−r1−00191432.fit
BLACK = Median value
ENVELOPE = 95% of points
GREEN = Outlier points
Min value = −142.422
Max value = 29.495
Fiber−Flat
1.5
1.0
0.5
0.0
6.0×10^3
7.0×10^3
8.0×10^3
9.0×10^3
1.0×10^4
1.1×10^4
λ [A]
Sun May 29 09:36:20 2016

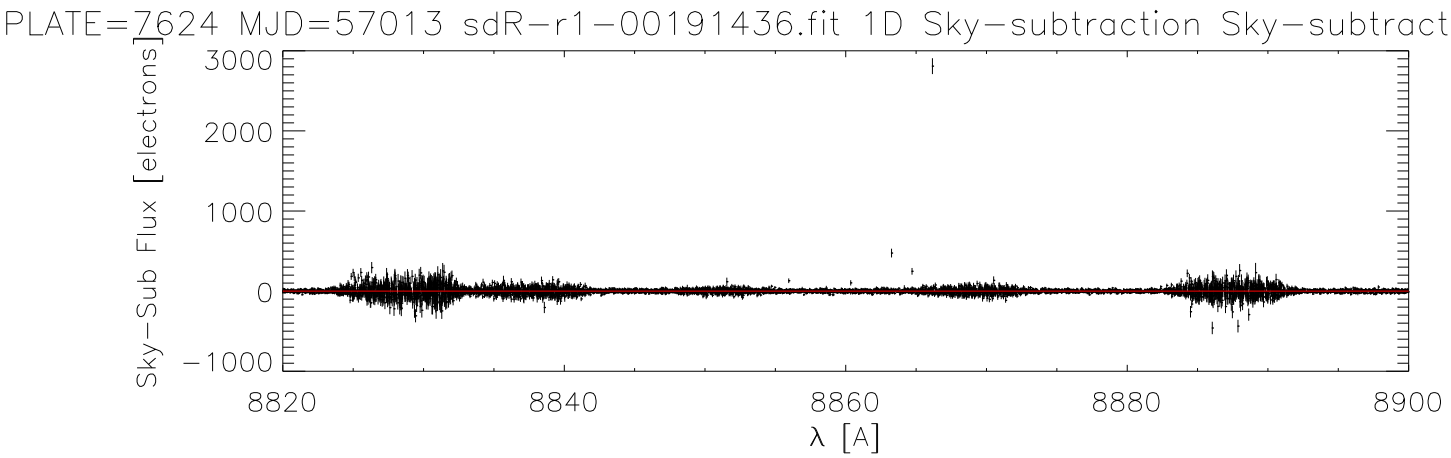

PLATE=7624 MJD=57013 Extraction chi$^2$ for sdR−r1−00191436.fit
BLACK = Final chisq extraction
$\chi^2$
1.0
0.8
0.6
0.4
0.2
0.0
0
1000
2000
3000
4000
Row number


PLATE=7624 MJD=57013 Sky Line Deviations for sdR-r1-00191436.fit
Before shift
After shift
1.00 pix
Fiber Number
0
100
200
300
400
500
5460 5577 6300 6363 6553 6923 6949 7571 7794 7821 8399 8430 8885 8919
Sky Line Wavelength

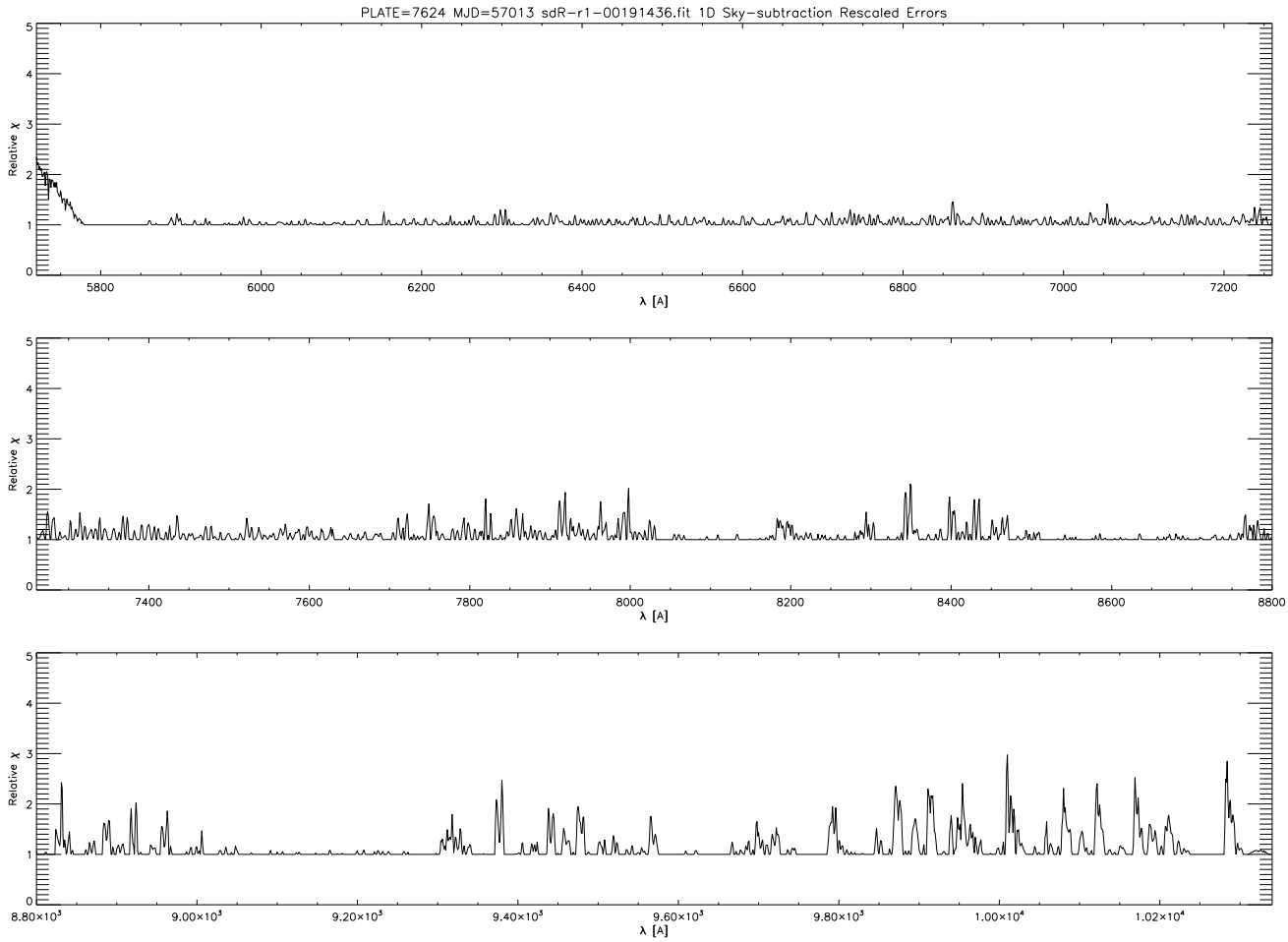

PLATE=7624 MJD=57013 Smooth superflat for sdR-r1-00191436.fit
2.0
1.5
1.0
0.5
0.0
1.04
1.02
1.00
0.98
0.96
5.0×10^3
6.0×10^3
7.0×10^3
8.0×10^3
9.0×10^3
1.0×10^4
1.1×10^4
Wavelength (Å)

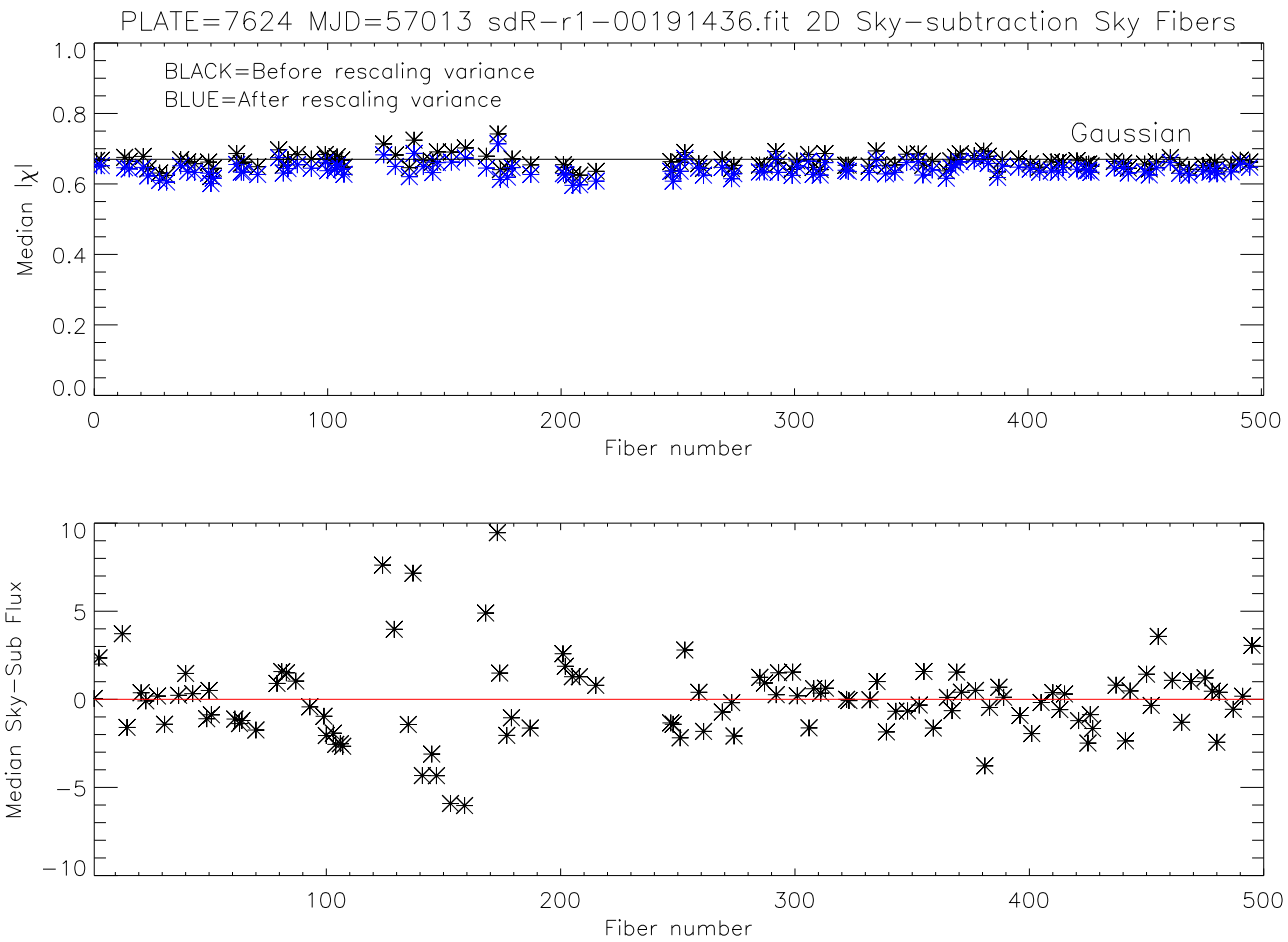

PLATE=7624 MJD=57013 sdR-r1-00191436.fit 1D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

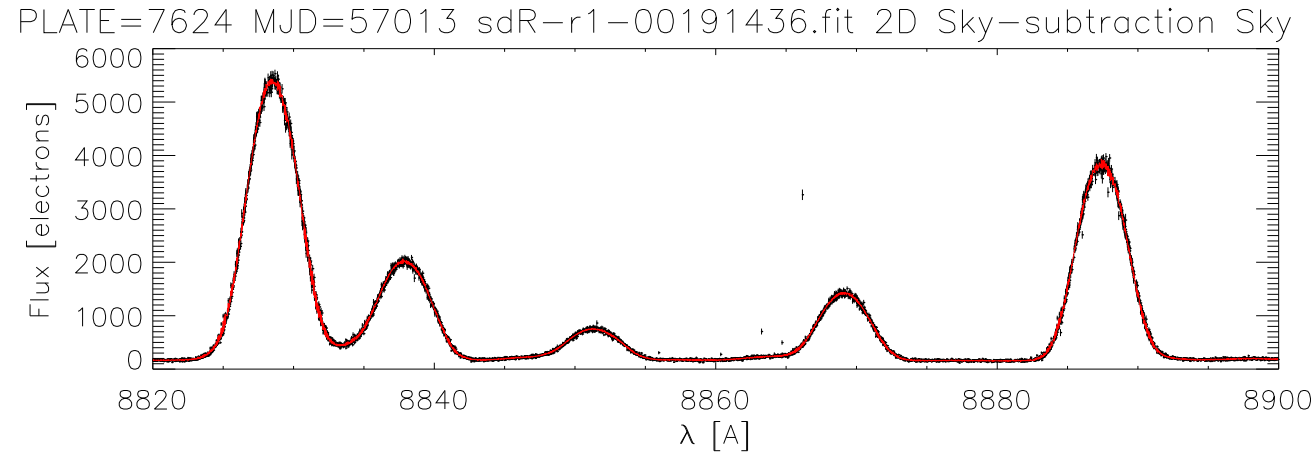

PLATE=7624 MJD=57013 sdR-r1-00191436.fit 1D Sky-subtraction Sky Fibers
Flux [electrons]
6000
5000
4000
3000
2000
1000
0
8820
8840
8860
8880
8900
λ [A]

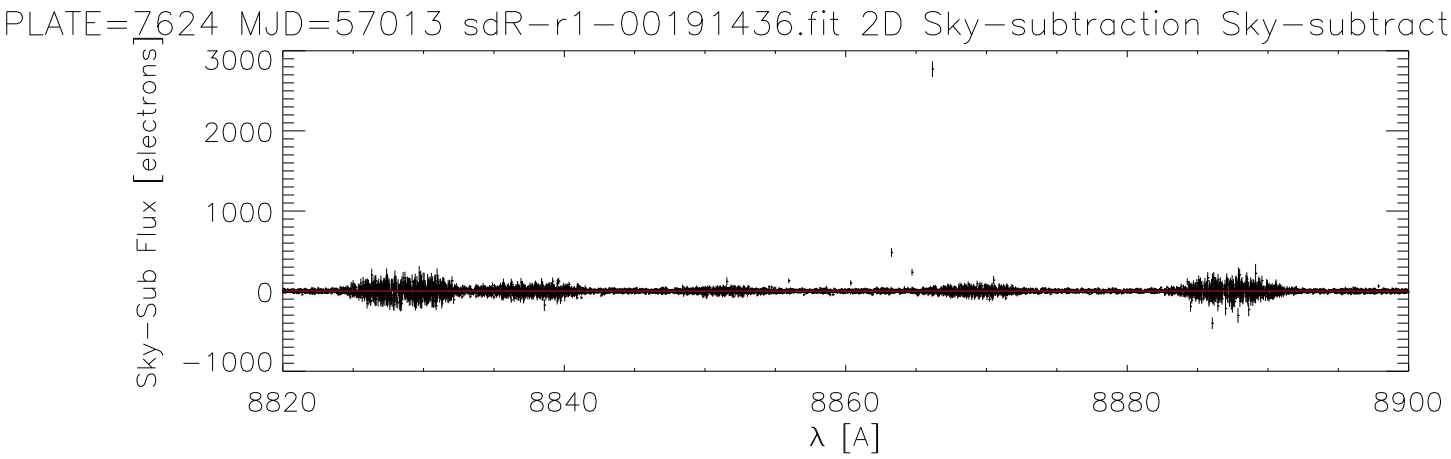

PLATE=7624 MJD=57013 sdR-r1-00191436.fit 1D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
3000
2000
1000
0
-1000
8820
8840
8860
8880
8900
λ [A]

Number of sky fibers = 113

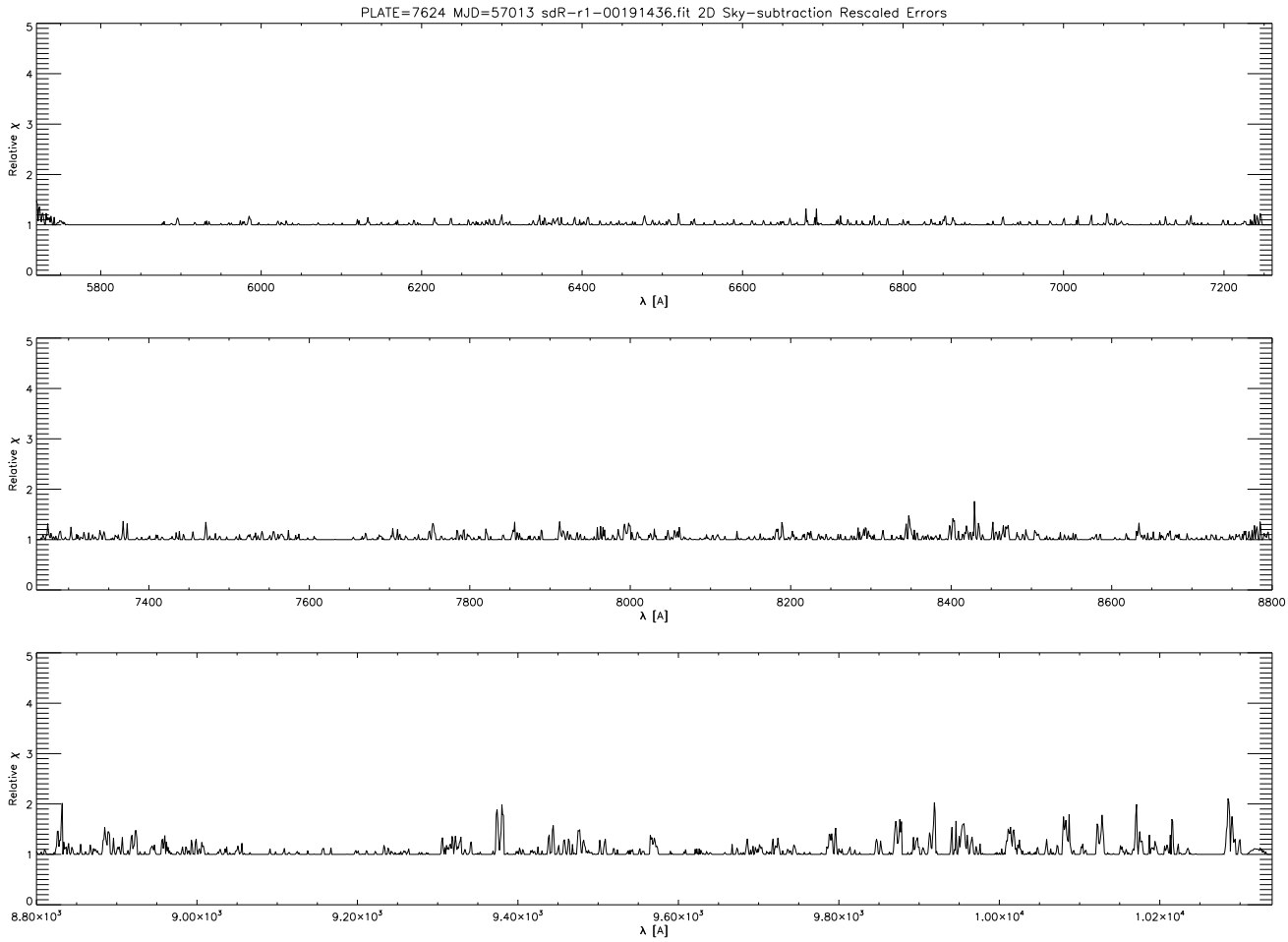


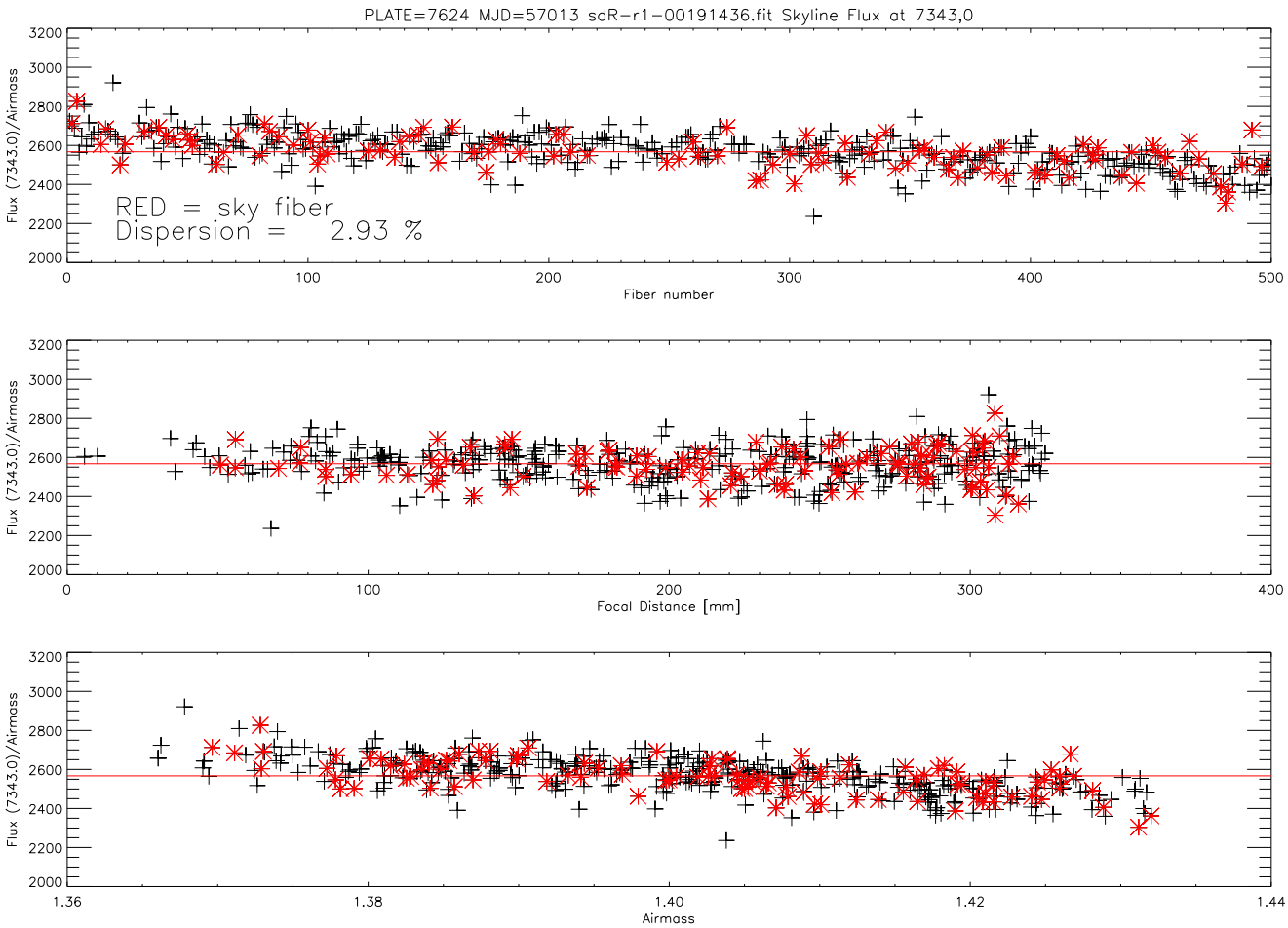

PLATE=7624 MJD=57013 sdR-r1-00191436.fit 2D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

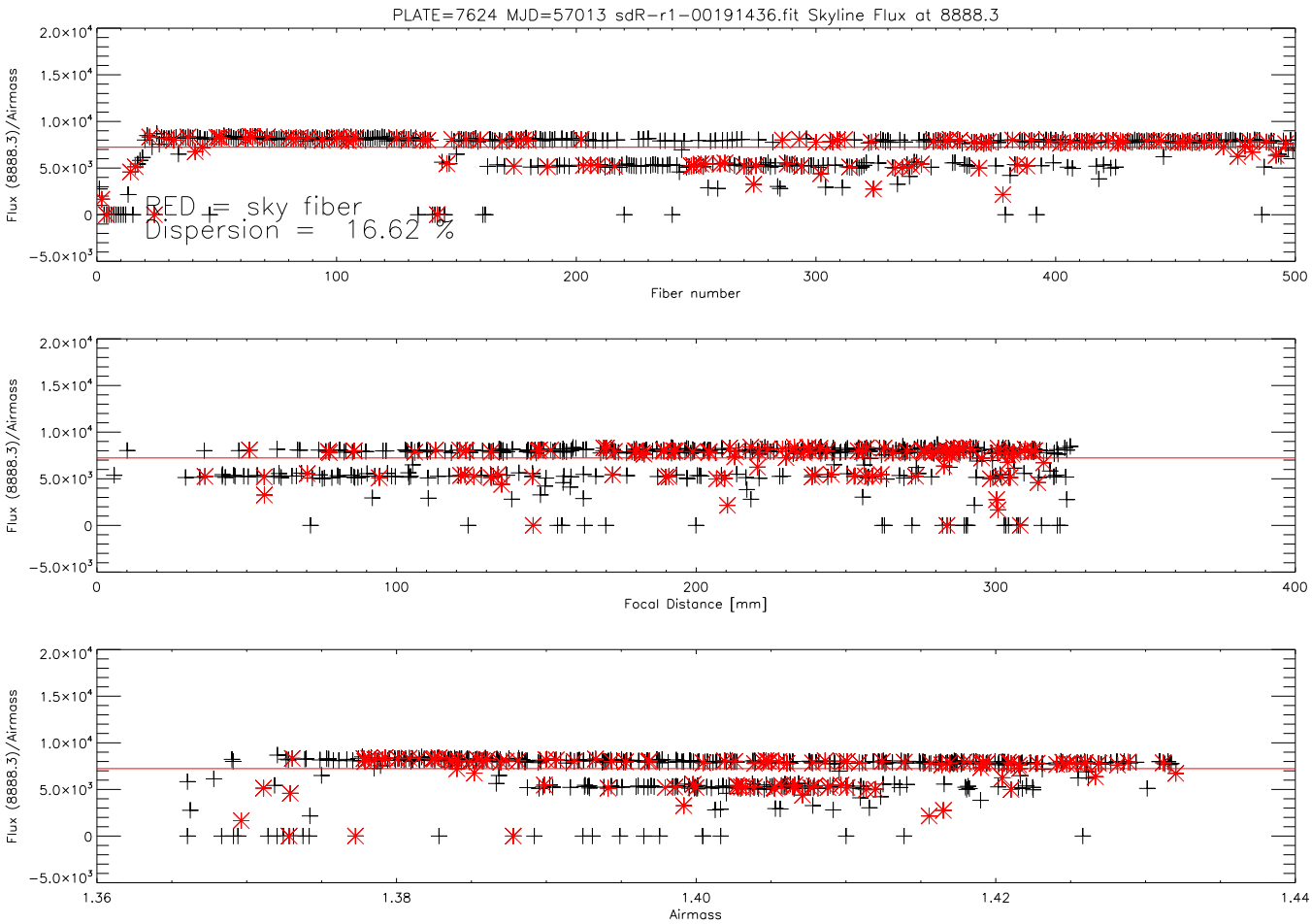

PLATE=7624 MJD=57013 sdR-r1-00191436.fit 2D Sky-subtraction Sky Fibers
Flux [electrons]
6000
5000
4000
3000
2000
1000
0
8820
8840
8860
8880
8900
λ [A]


PLATE=7624 MJD=57013 sdR-r1-00191436.fit 2D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
3000
2000
1000
0
-1000
8820
8840
8860
8880
8900
λ [A]

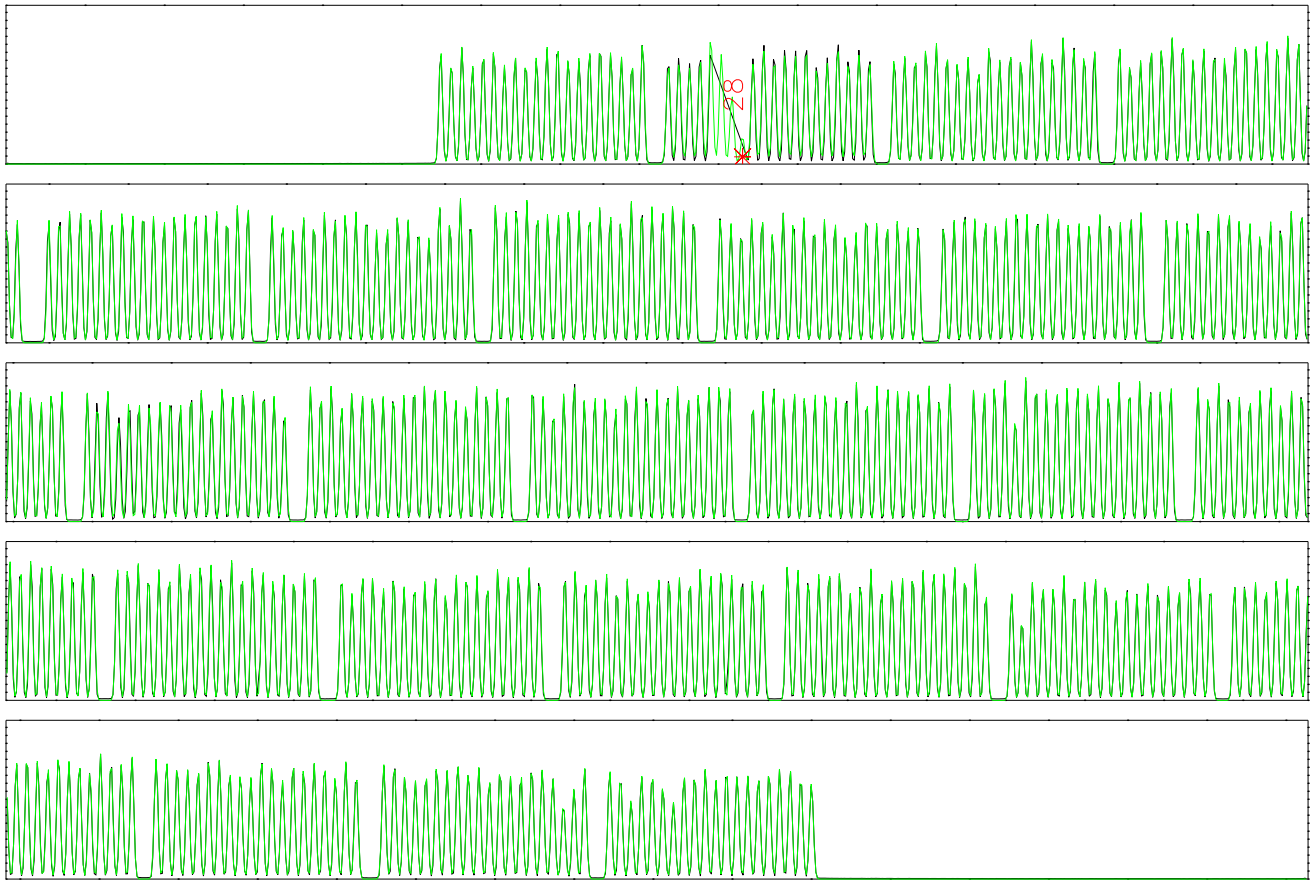
Number of sky fibers = 113

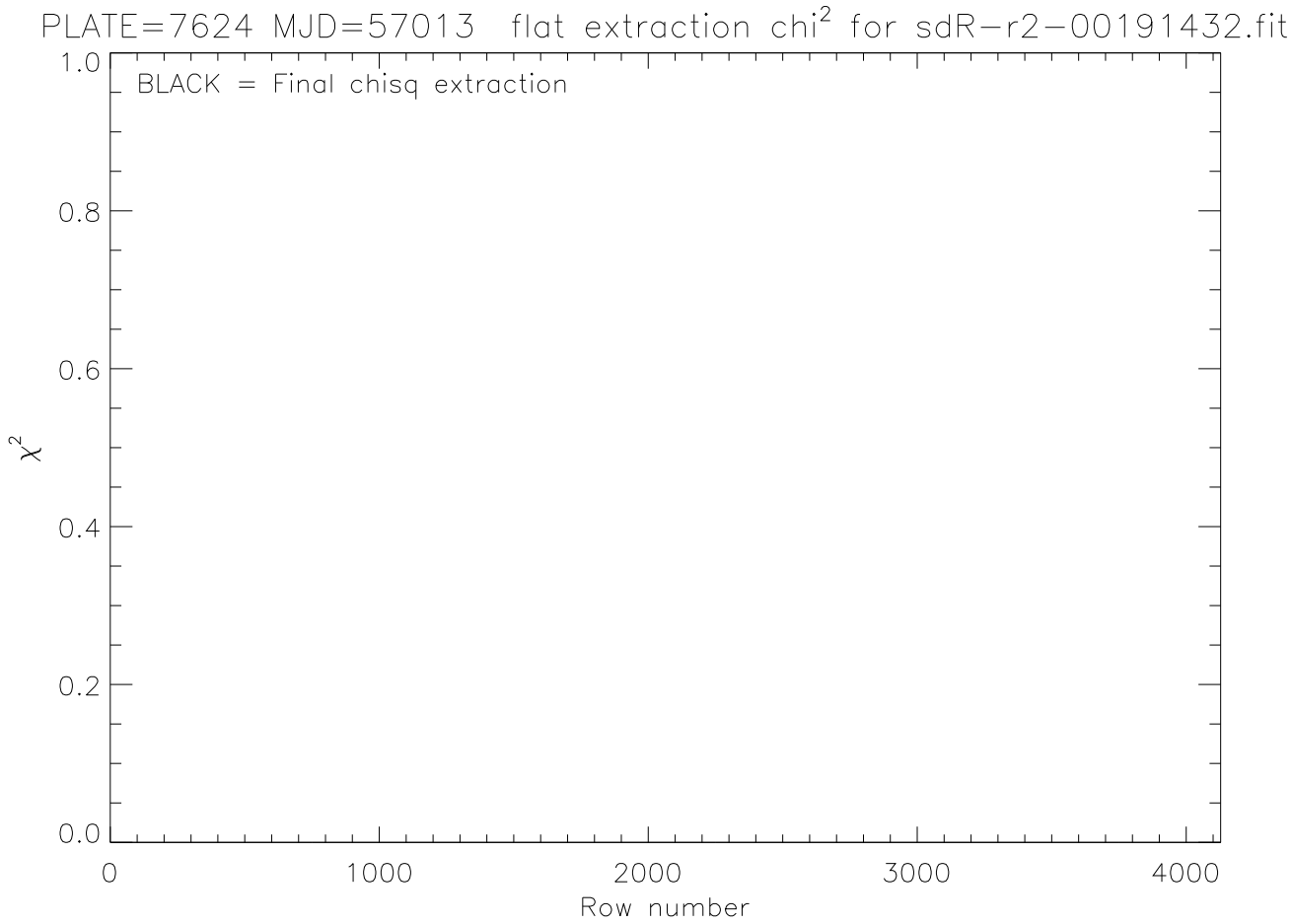


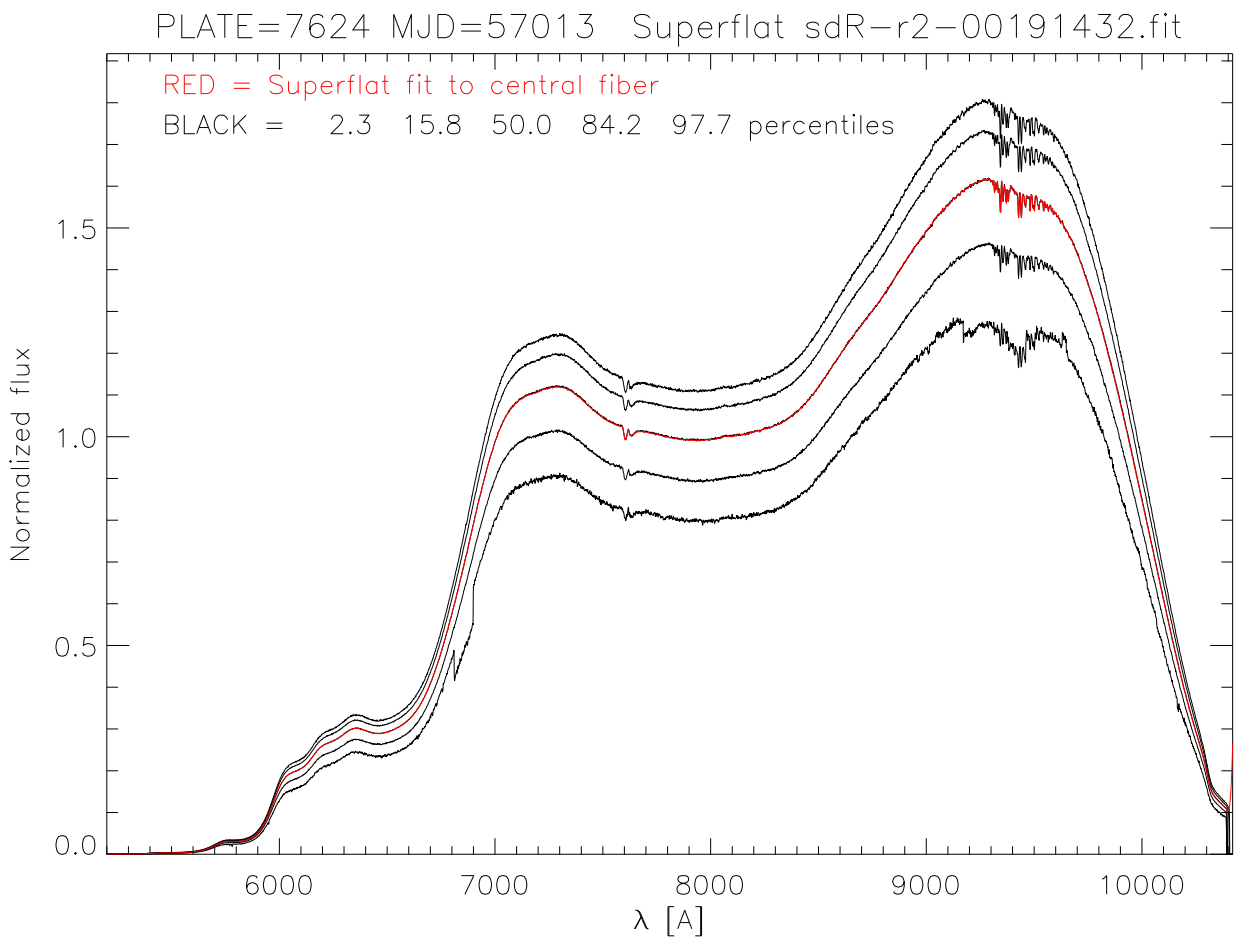

PLATE=7624 MJD=57013 sdR-r1-00191436.fit Skyline Flux at 7343,0
Flux (7343.0)/Airmass
RED = sky fiber
Dispersion = 2.93 %
Fiber number
Flux (7343.0)/Airmass
Focal Distance [mm]
Flux (7343.0)/Airmass
Airmass

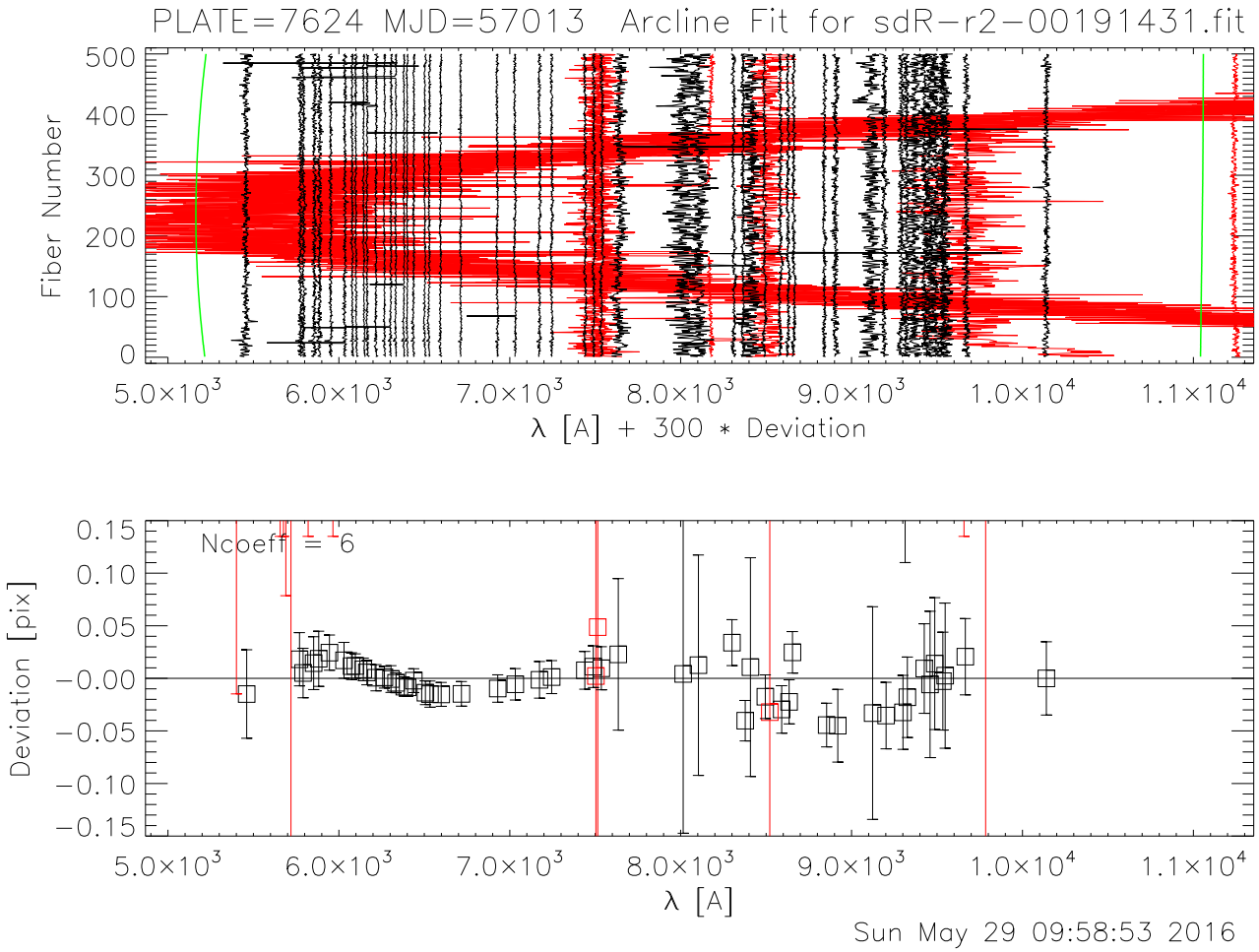

PLATE=7624 MJD=57013 sdR-r1-00191436.fit Skyline Flux at 8888.3
Flux (8888.3)/Airmass
Fiber number
RED = sky fiber
Dispersion = 16.62 %
Flux (8888.3)/Airmass
Focal Distance [mm]
Flux (8888.3)/Airmass
Airmass

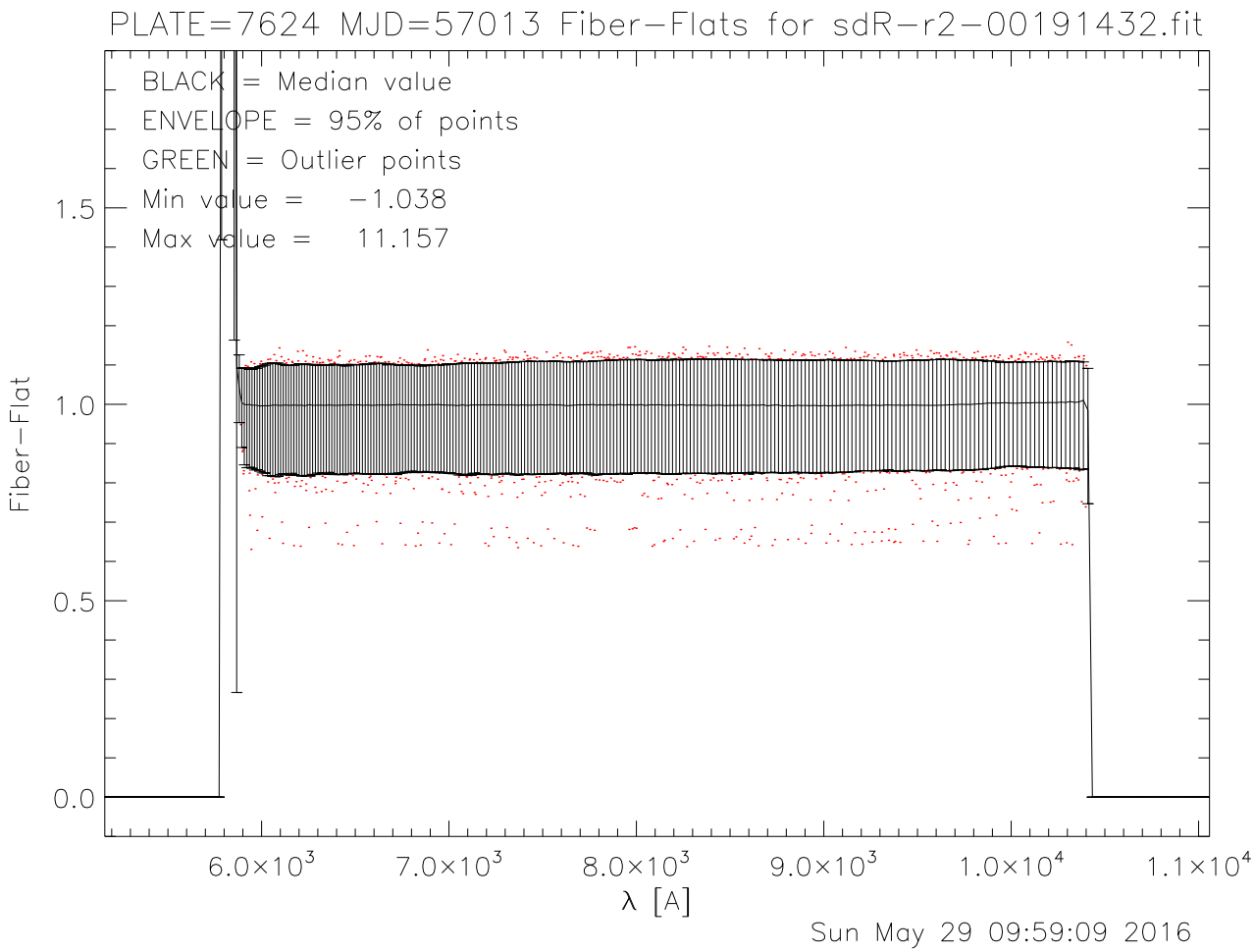
PLATE=7624 MJD=57013 Traces sdR-r2-00191432.fit

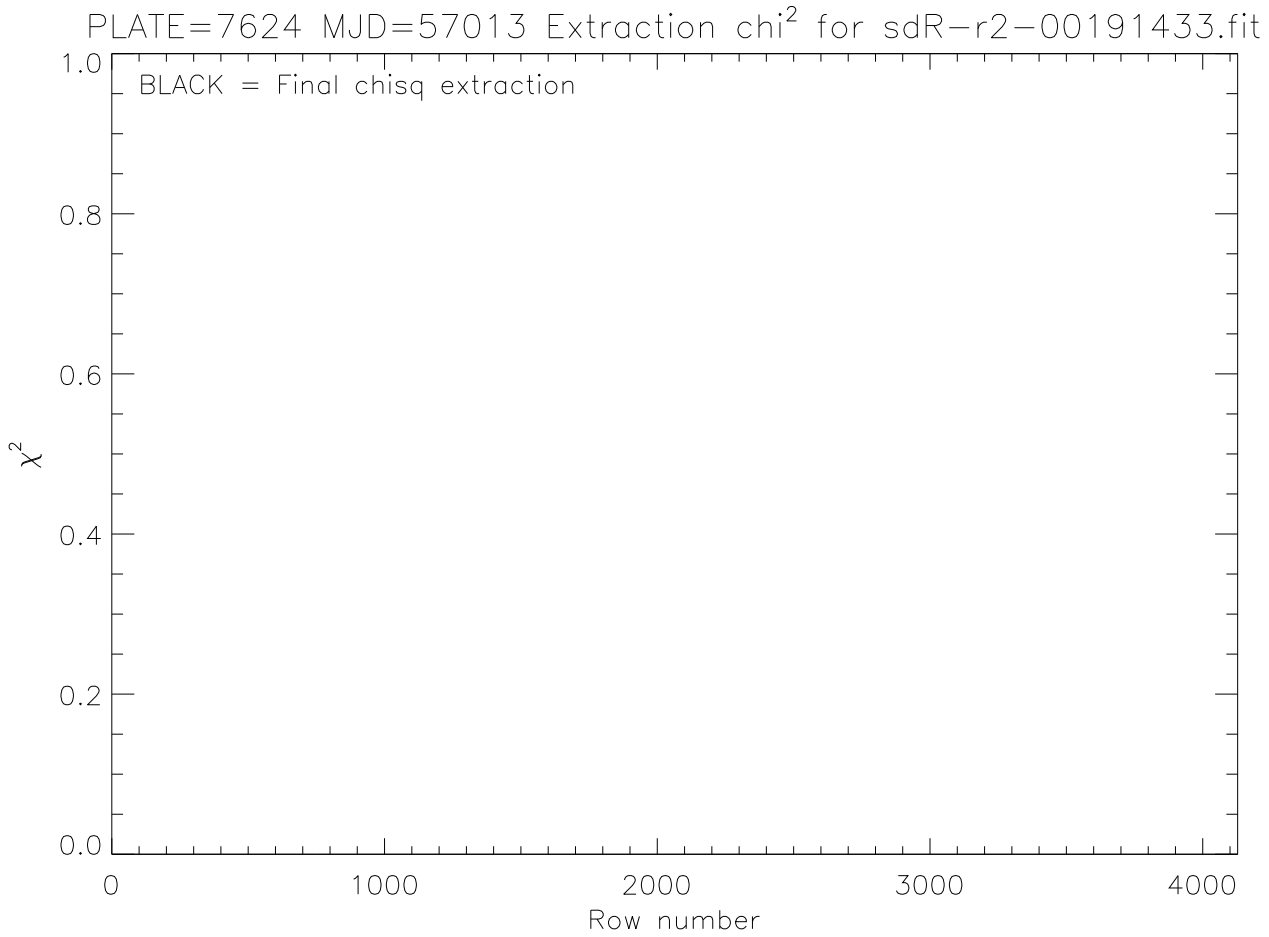


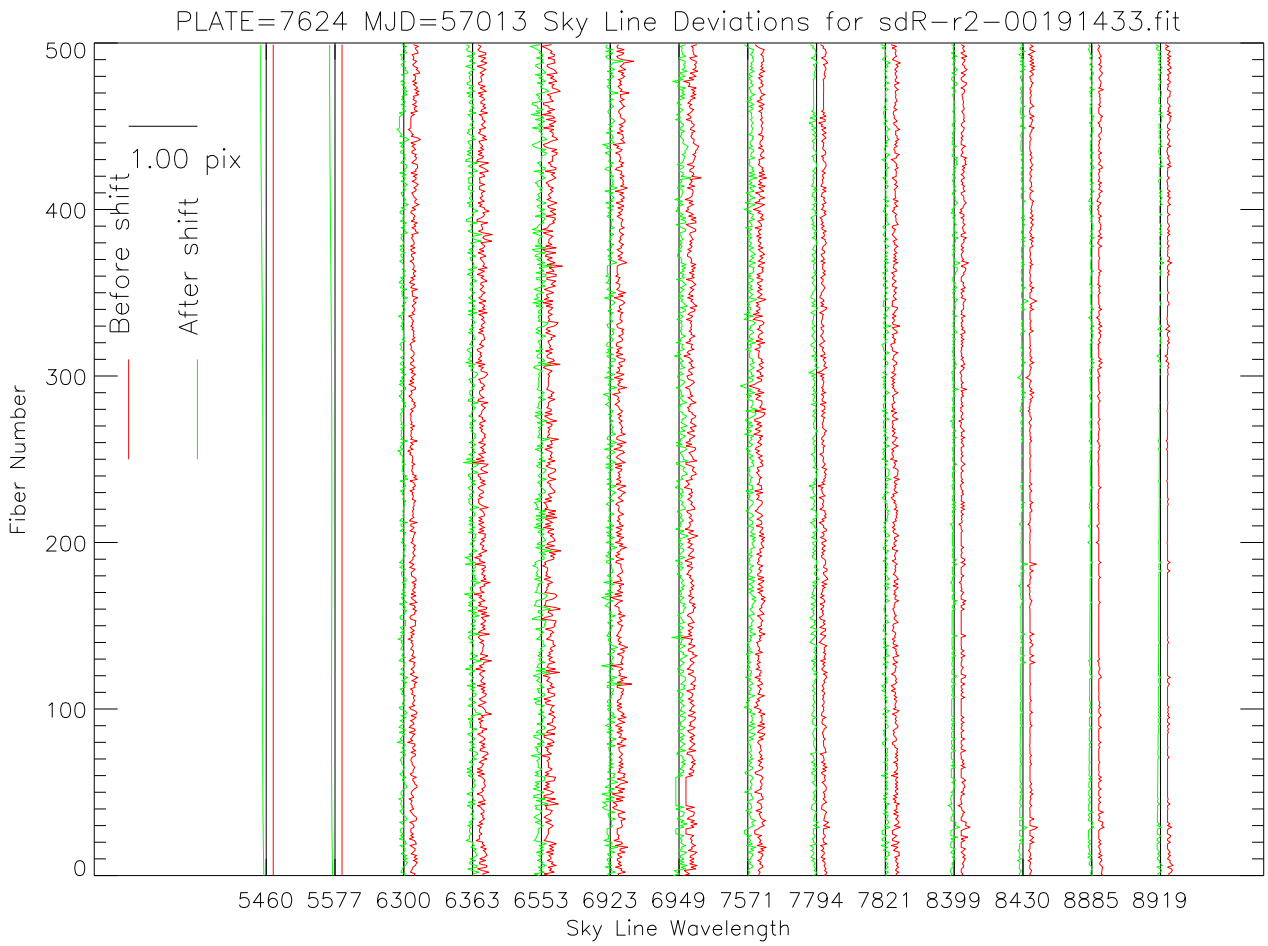

PLATE=7624 MJD=57013 flat extraction chi$^2$ for sdR-r2-00191432.fit
BLACK = Final chisq extraction
$\chi^2$
1.0
0.8
0.6
0.4
0.2
0.0
0
1000
2000
3000
4000
Row number

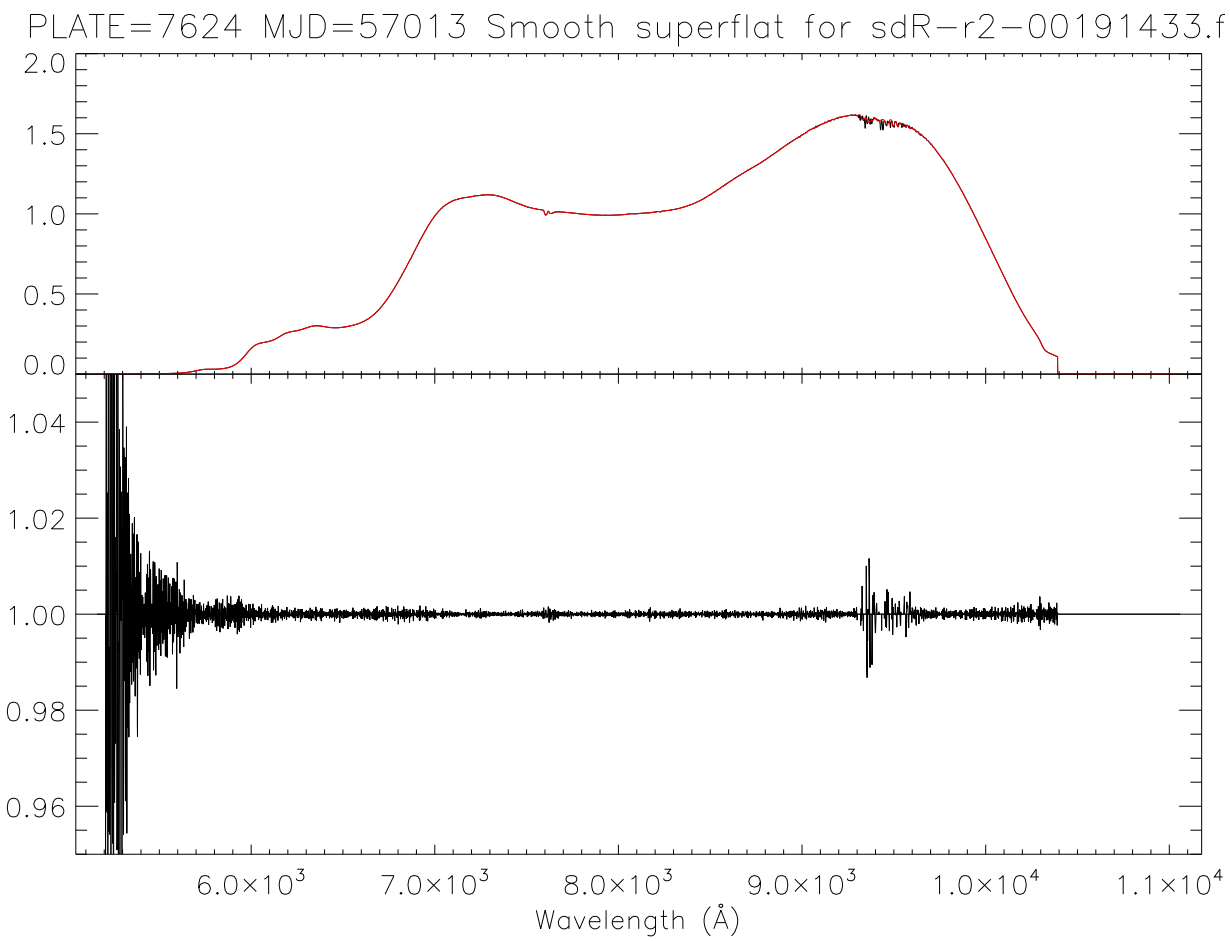

PLATE=7624 MJD=57013 Superflat sdR-r2-00191432.fit
RED = Superflat fit to central fiber
BLACK = 2.3 15.8 50.0 84.2 97.7 percentiles
Normalized flux
0.0
0.5
1.0
1.5
6000
7000
8000
9000
10000
λ [A]

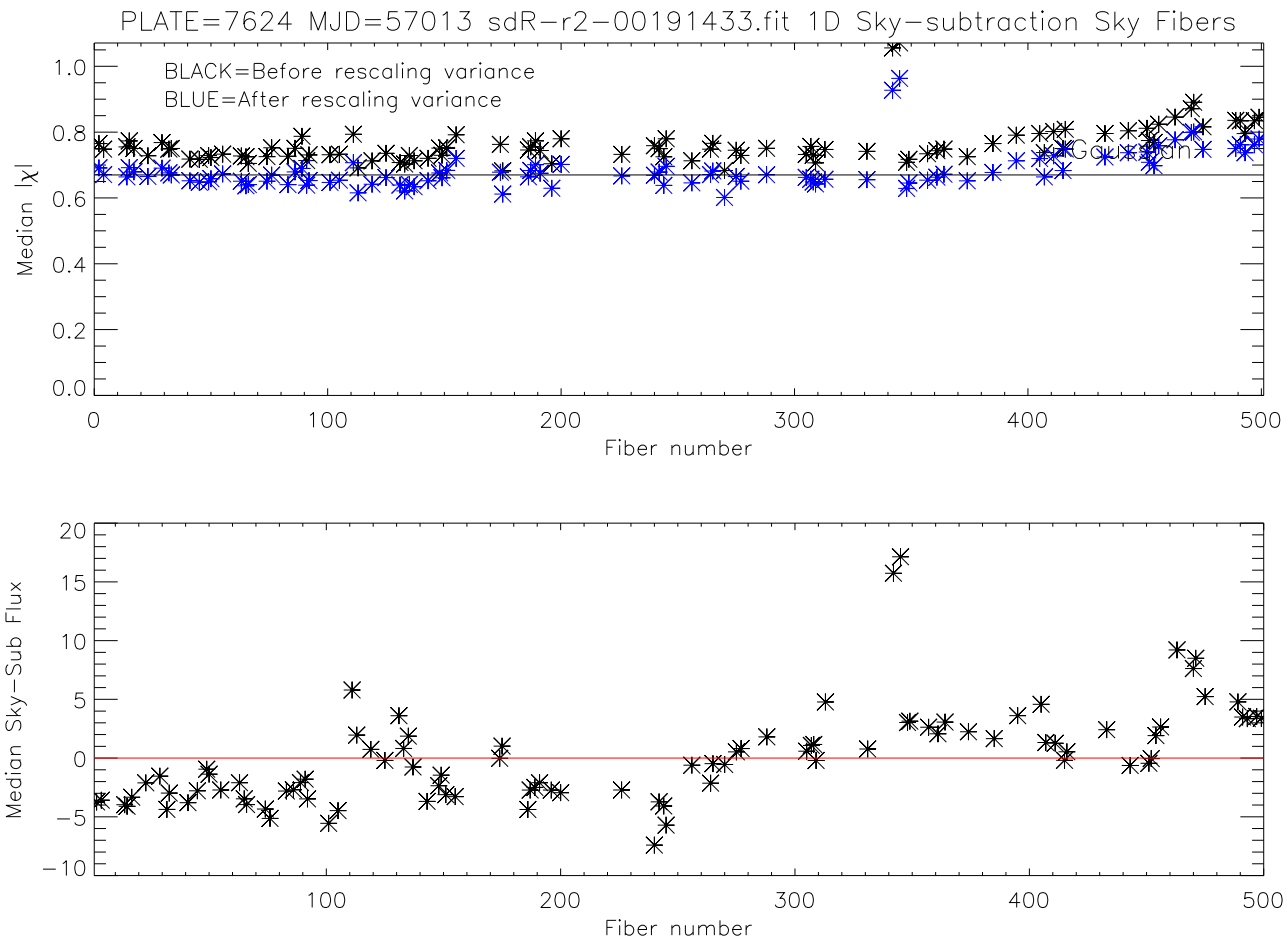

PLATE=7624 MJD=57013 Arcline Fit for sdR-r2-00191431.fit
Fiber Number
500
400
300
200
100
0
5.0×10^3
6.0×10^3
7.0×10^3
8.0×10^3
9.0×10^3
1.0×10^4
1.1×10^4
λ [A] + 300 * Deviation
Ncoeff = 6
Deviation [pix]
0.15
0.10
0.05
−0.00
−0.05
−0.10
−0.15
λ [A]
Sun May 29 09:58:53 2016

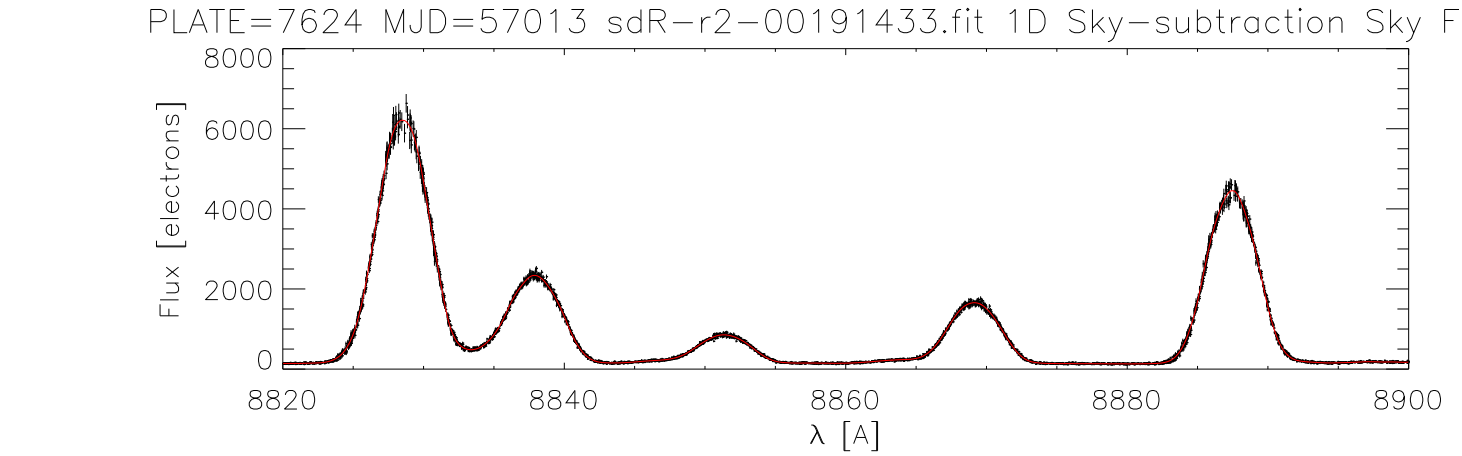

PLATE=7624 MJD=57013 Fiber−Flats for sdR−r2−00191432.fit
BLACK = Median value
ENVELOPE = 95% of points
GREEN = Outlier points
Min value = −1.038
Max value = 11.157
Fiber−Flat
1.5
1.0
0.5
0.0
6.0×10^3
7.0×10^3
8.0×10^3
9.0×10^3
1.0×10^4
1.1×10^4
λ [A]
Sun May 29 09:59:09 2016

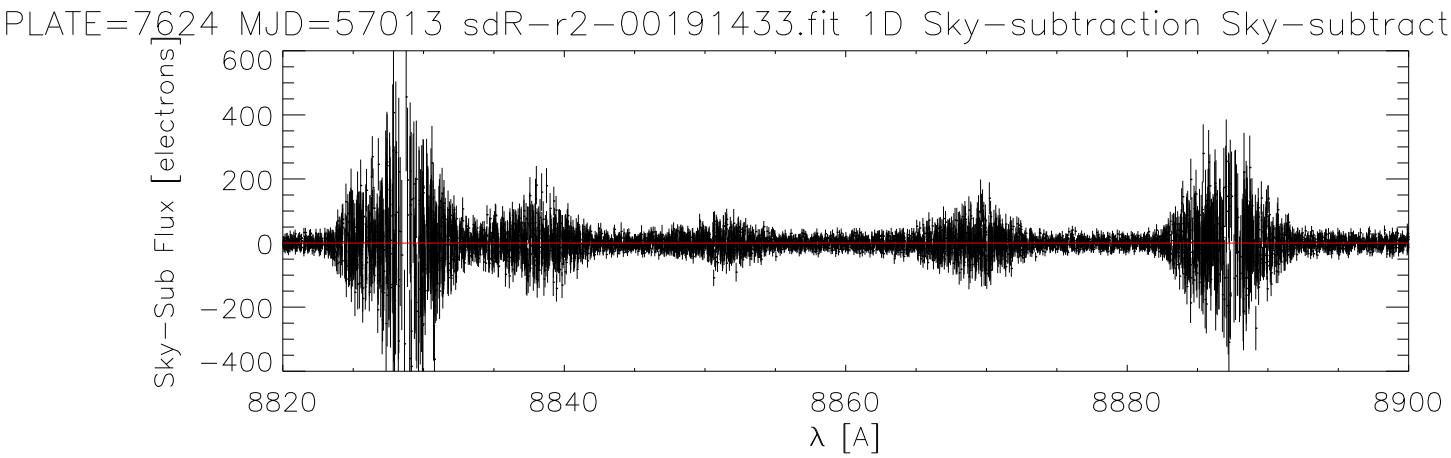

PLATE=7624 MJD=57013 Extraction chi$^2$ for sdR−r2−00191433.fit
BLACK = Final chisq extraction
$\chi^2$
1.0
0.8
0.6
0.4
0.2
0.0
0
1000
2000
3000
4000
Row number


PLATE=7624 MJD=57013 Sky Line Deviations for sdR-r2-00191433.fit
Before shift
After shift
1.00 pix
Fiber Number
0
100
200
300
400
500
5460 5577 6300 6363 6553 6923 6949 7571 7794 7821 8399 8430 8885 8919
Sky Line Wavelength

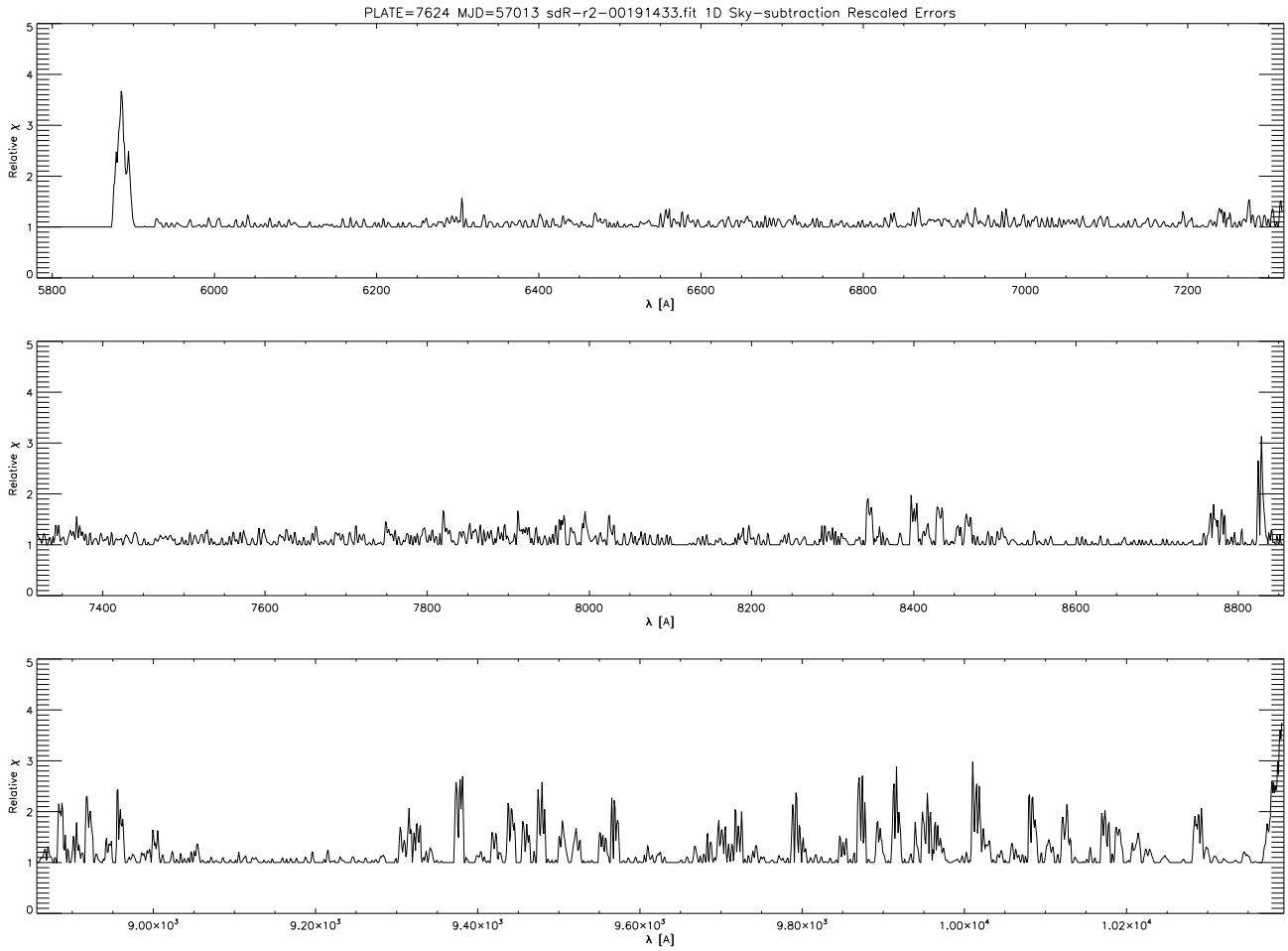

PLATE=7624 MJD=57013 Smooth superflat for sdR-r2-00191433.fit
2.0
1.5
1.0
0.5
0.0
1.04
1.02
1.00
0.98
0.96
6.0×10^3
7.0×10^3
8.0×10^3
9.0×10^3
1.0×10^4
1.1×10^4
Wavelength (Å)

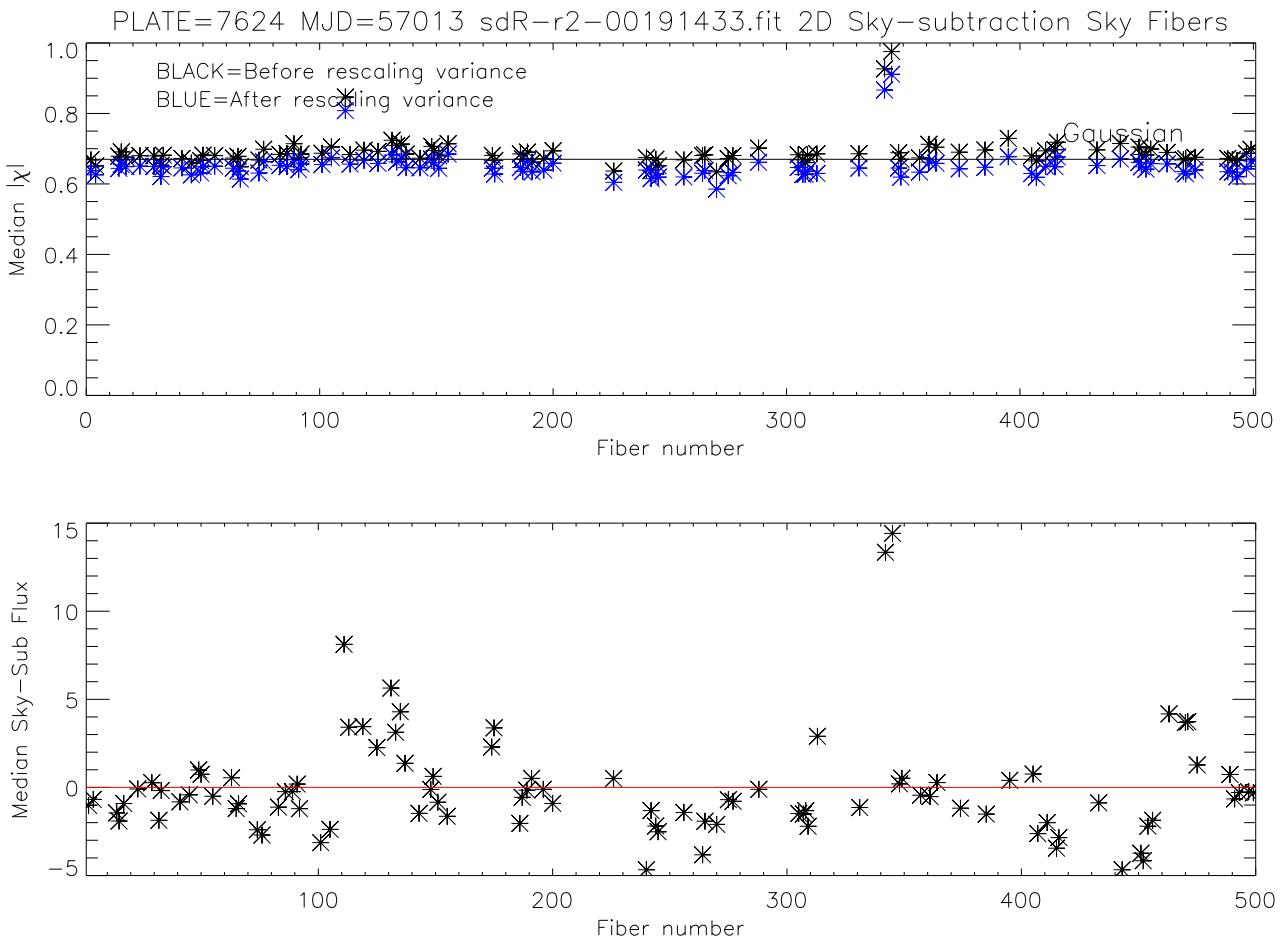

PLATE=7624 MJD=57013 sdR-r2-00191433.fit 1D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

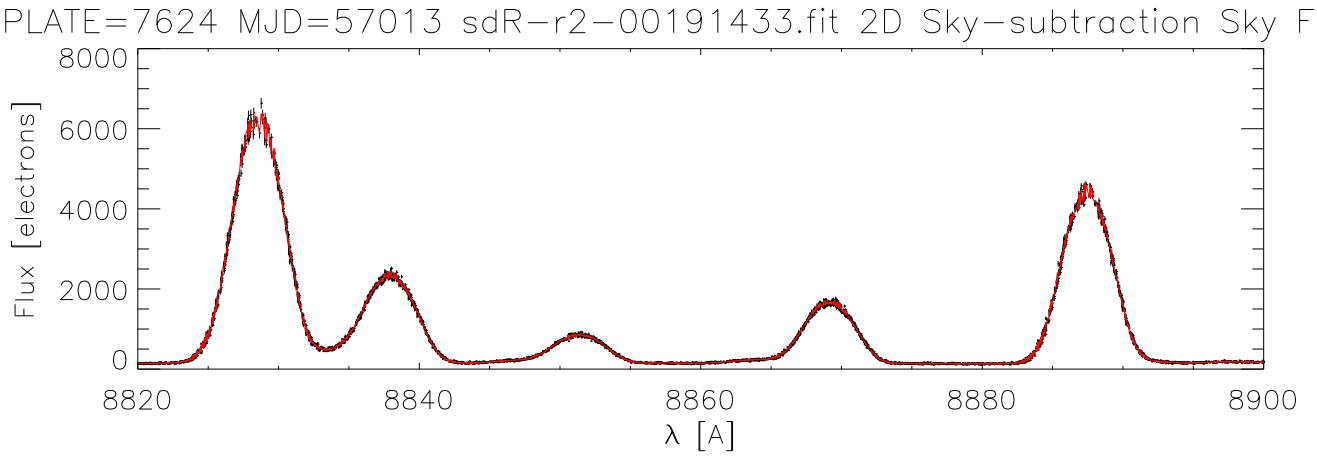

PLATE=7624 MJD=57013 sdR-r2-00191433.fit 1D Sky-subtraction Sky Fibers
Flux [electrons]
8000
6000
4000
2000
0
8820
8840
8860
8880
8900
λ [A]

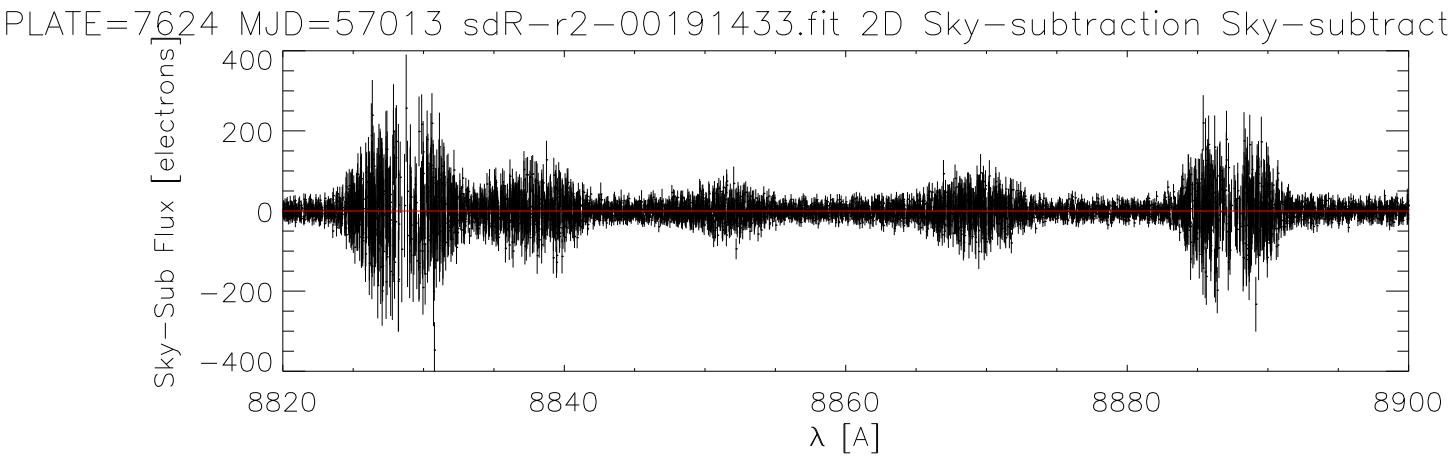

PLATE=7624 MJD=57013 sdR-r2-00191433.fit 1D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
600
400
200
0
-200
-400
8820
8840
8860
8880
8900
λ [A]

Number of sky fibers = 95

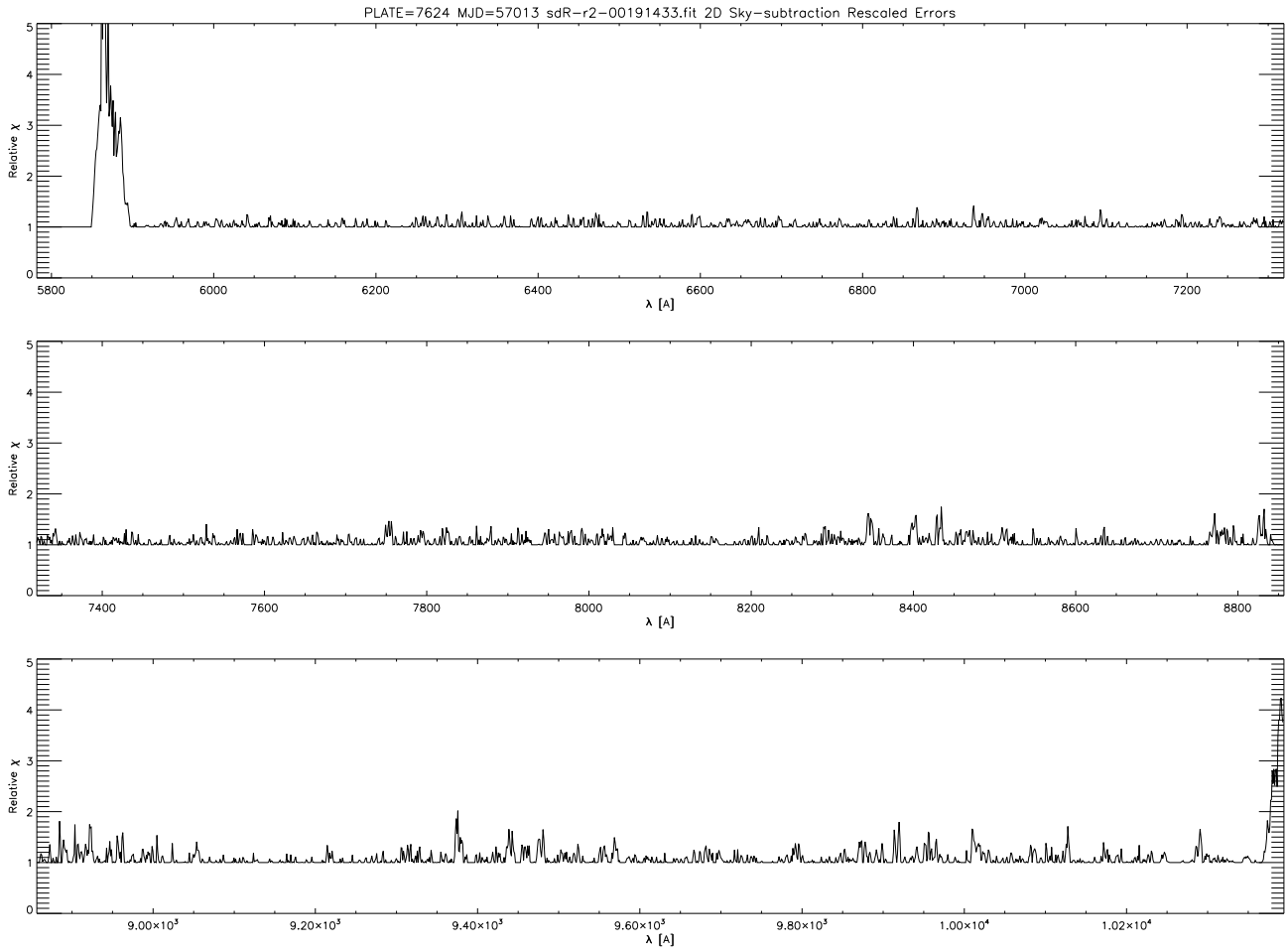


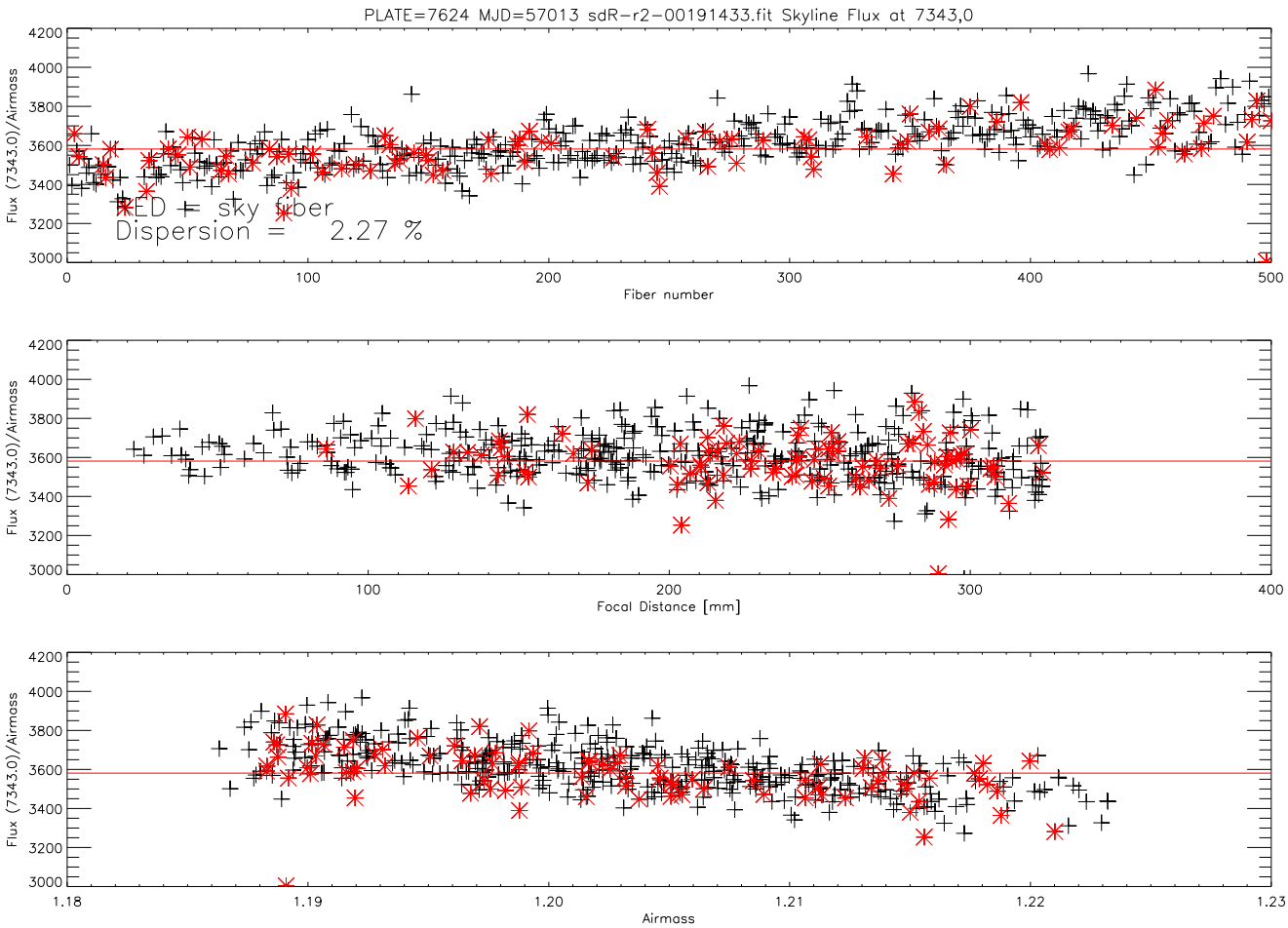

PLATE=7624 MJD=57013 sdR-r2-00191433.fit 2D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

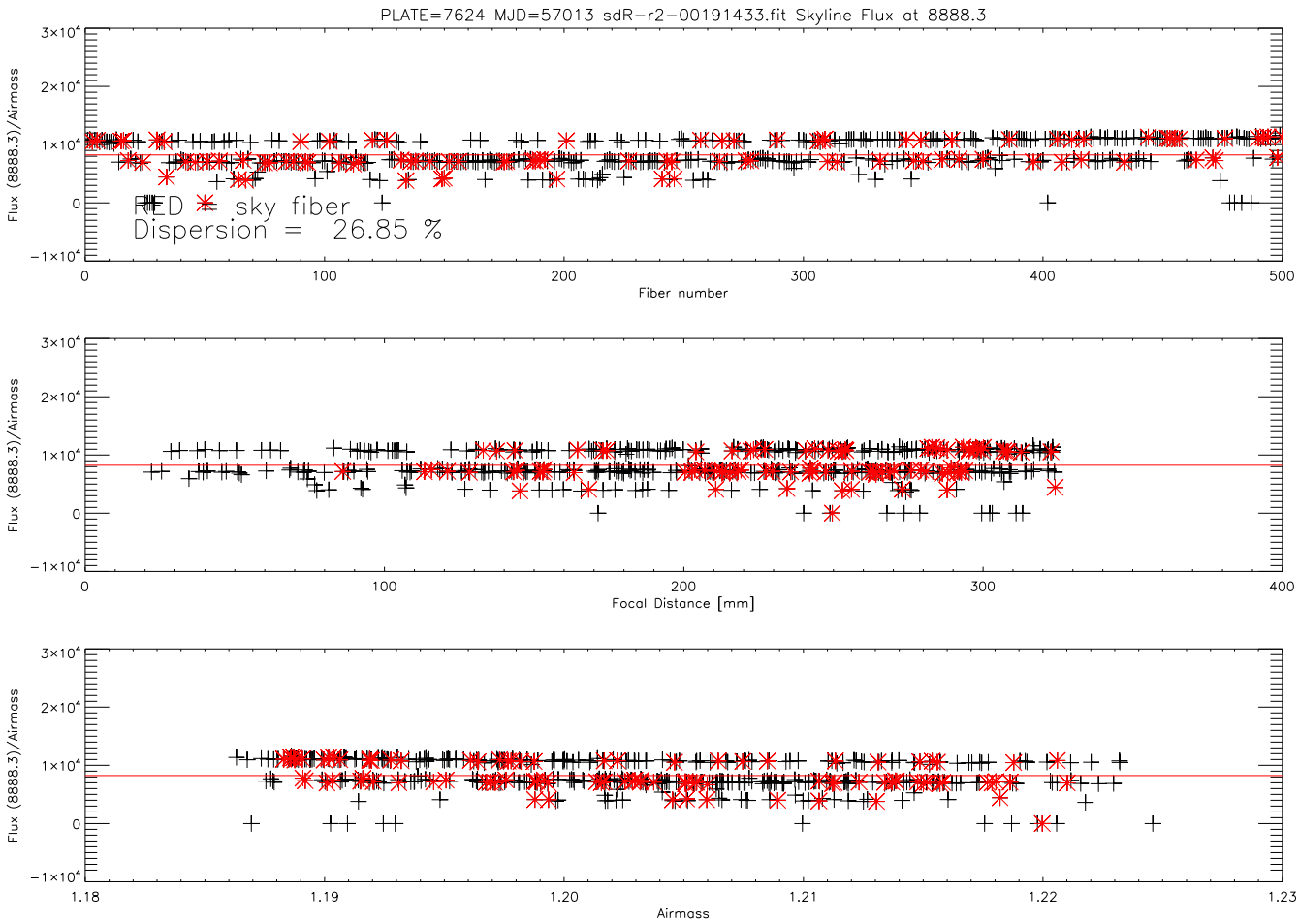

PLATE=7624 MJD=57013 sdR-r2-00191433.fit 2D Sky-subtraction Sky Fibers
Flux [electrons]
8000
6000
4000
2000
0
8820
8840
8860
8880
8900
λ [A]

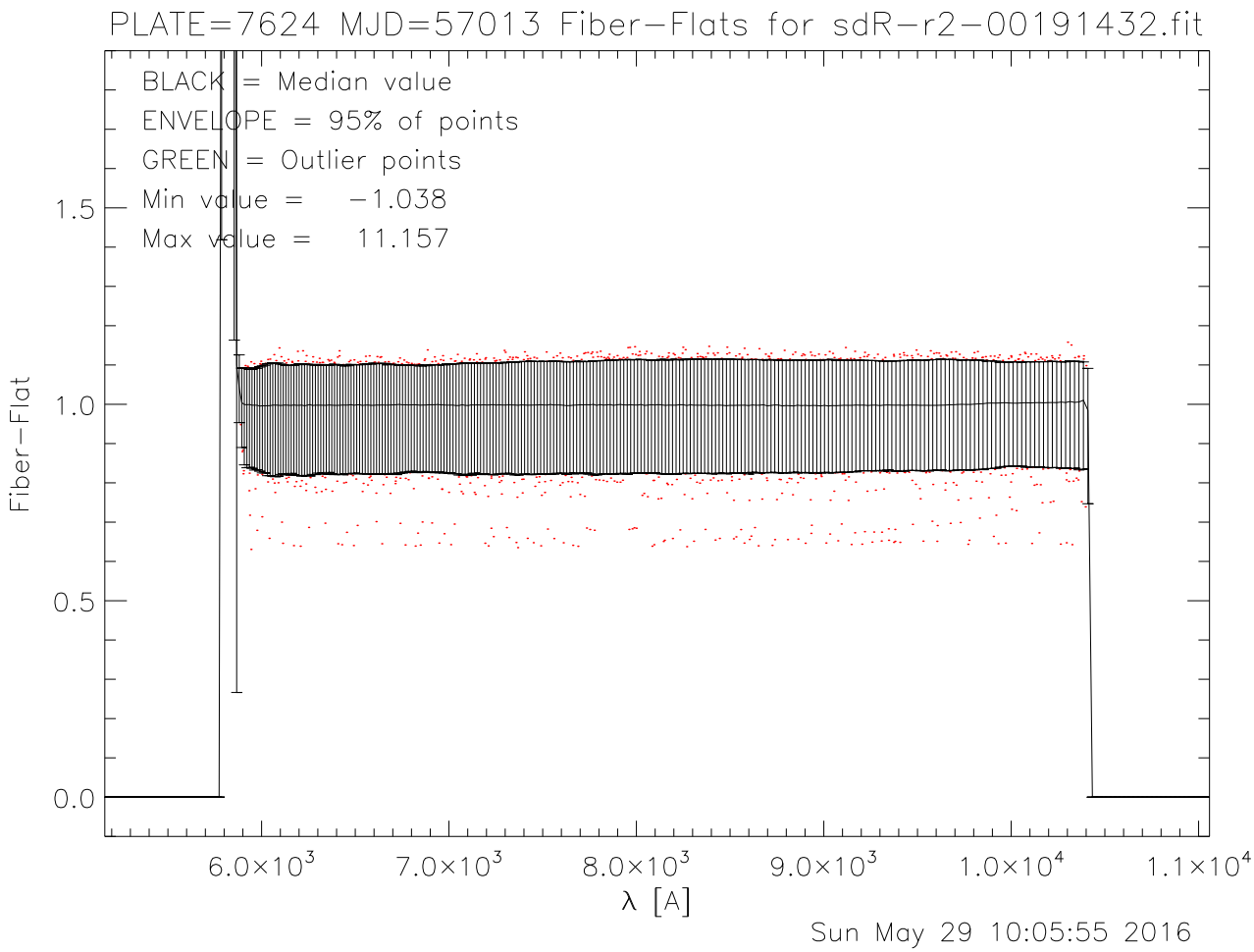

PLATE=7624 MJD=57013 sdR-r2-00191433.fit 2D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
400
200
0
-200
-400
8820
8840
8860
8880
8900
λ [A]

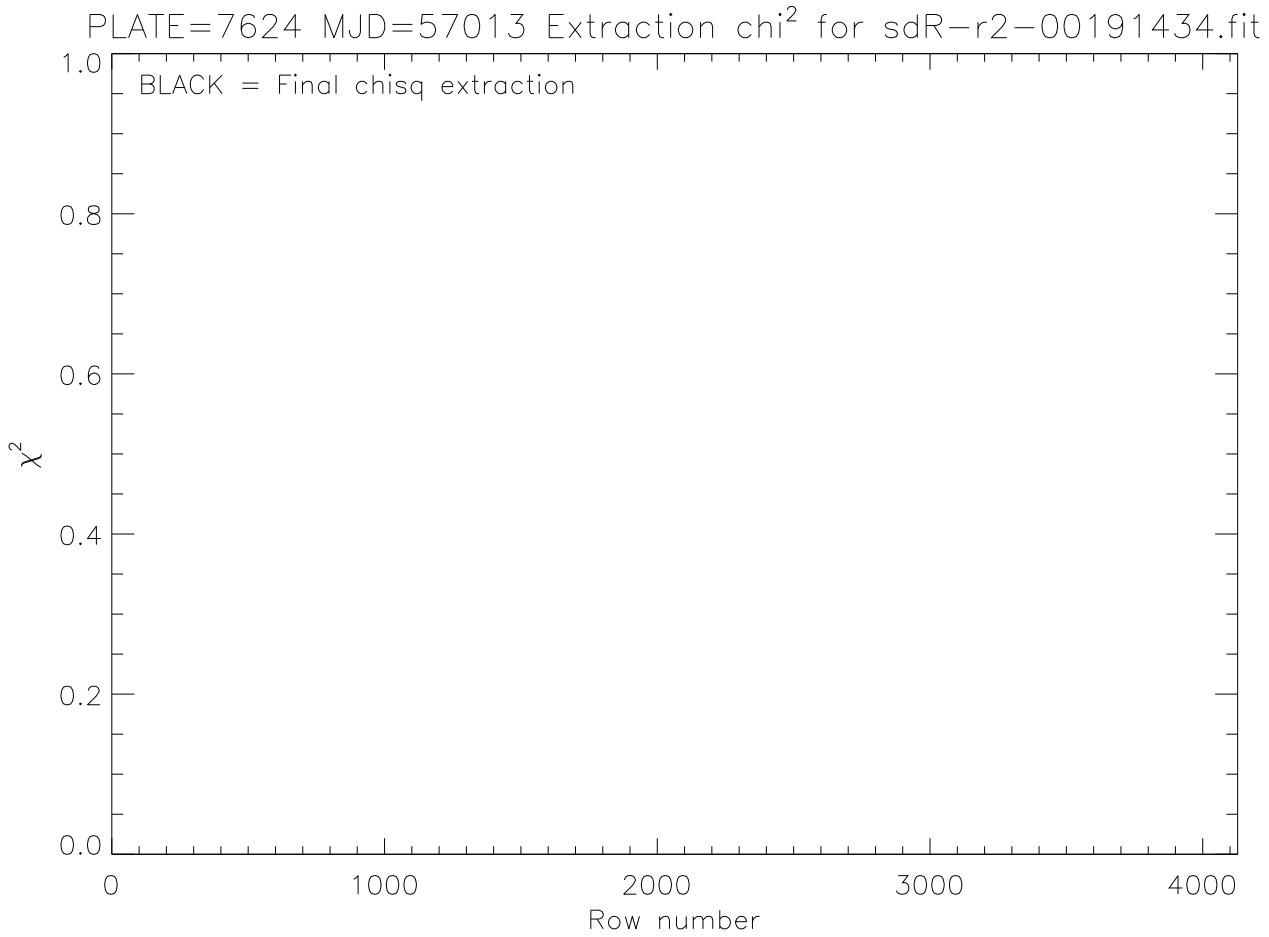
Number of sky fibers = 95

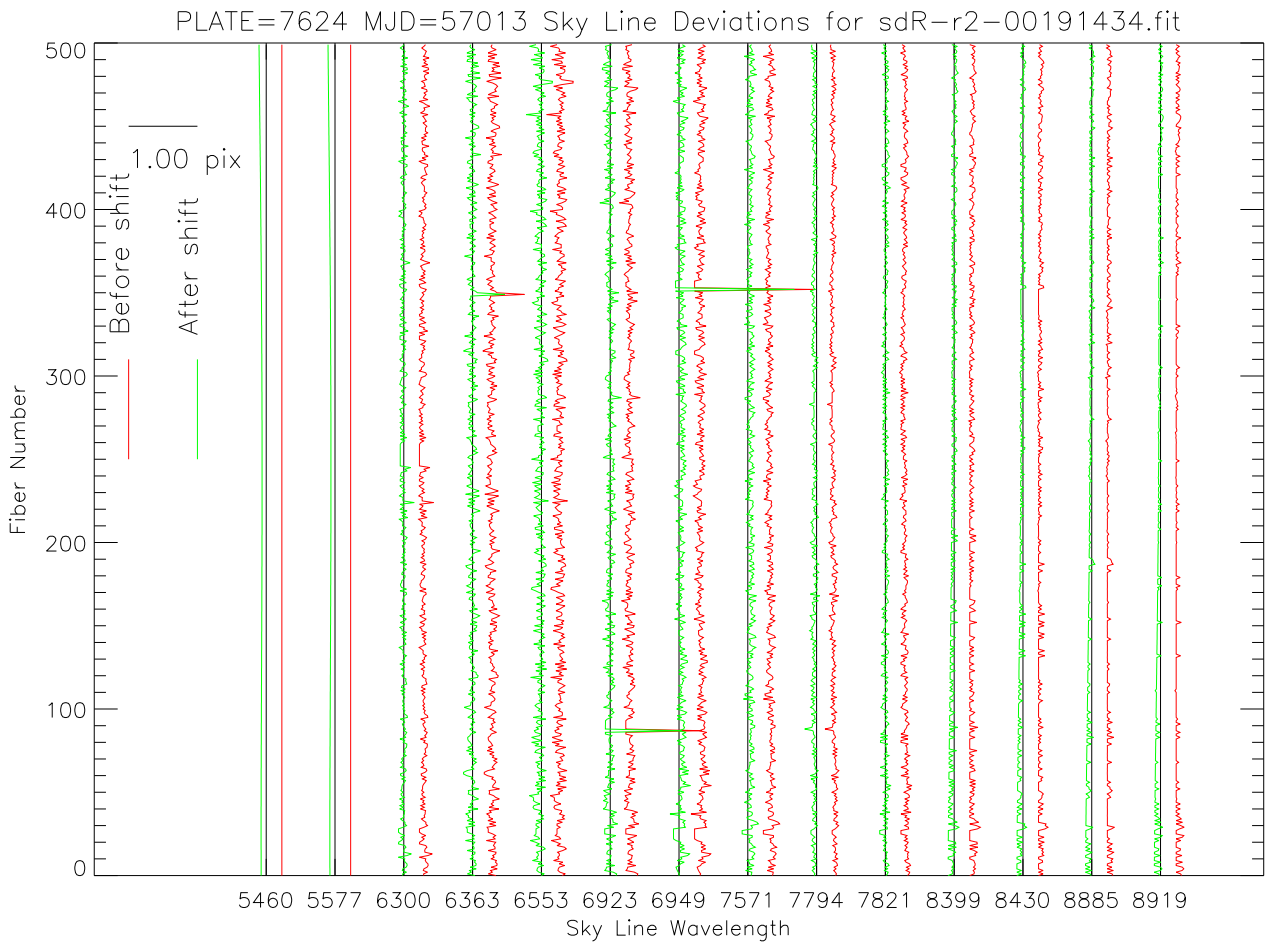


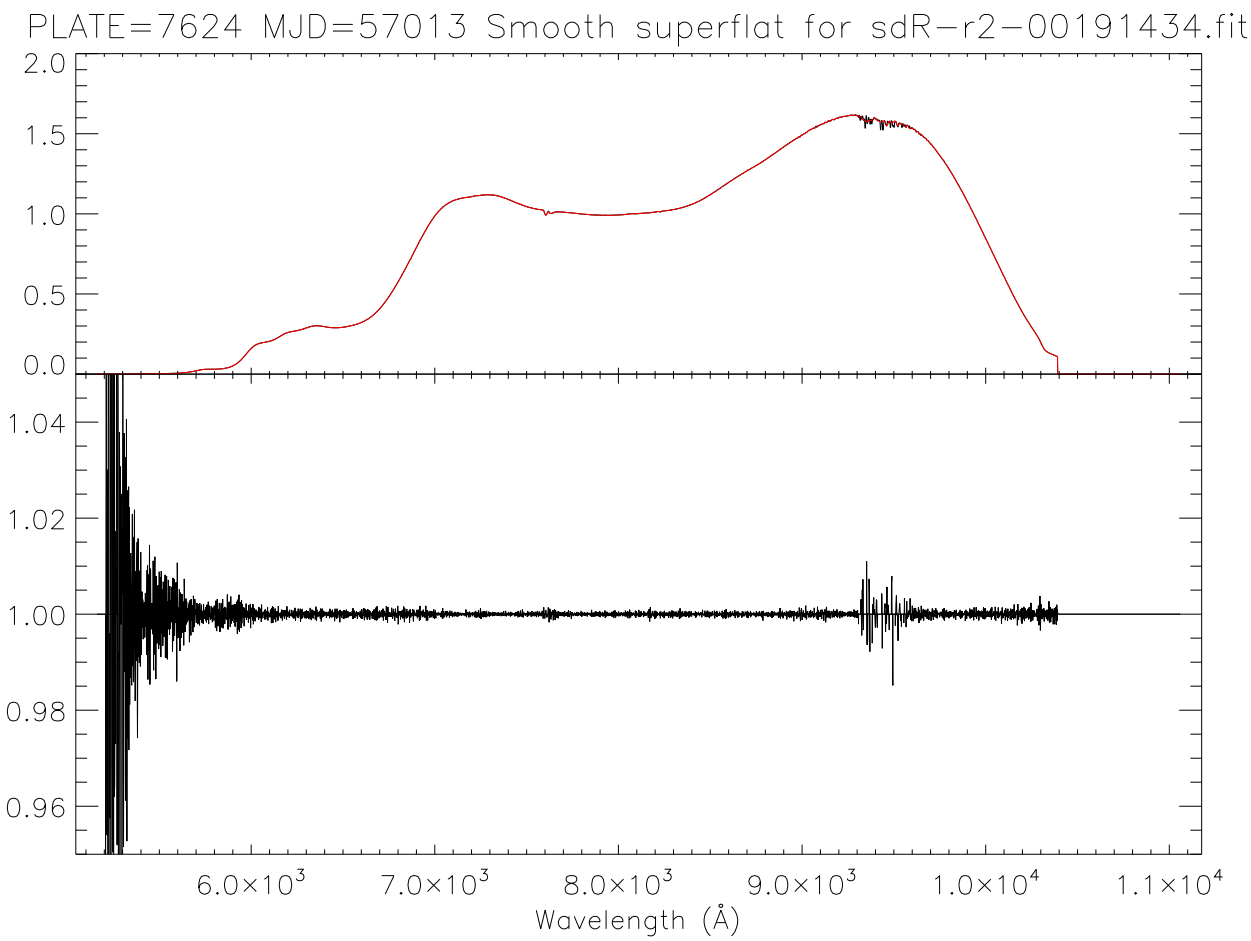

PLATE=7624 MJD=57013 sdR-r2-00191433.fit Skyline Flux at 7343,0
RED = sky fiber
Dispersion = 2.27 %
Flux (7343.0)/Airmass
Fiber number
Flux (7343.0)/Airmass
Focal Distance [mm]
Flux (7343.0)/Airmass
Airmass

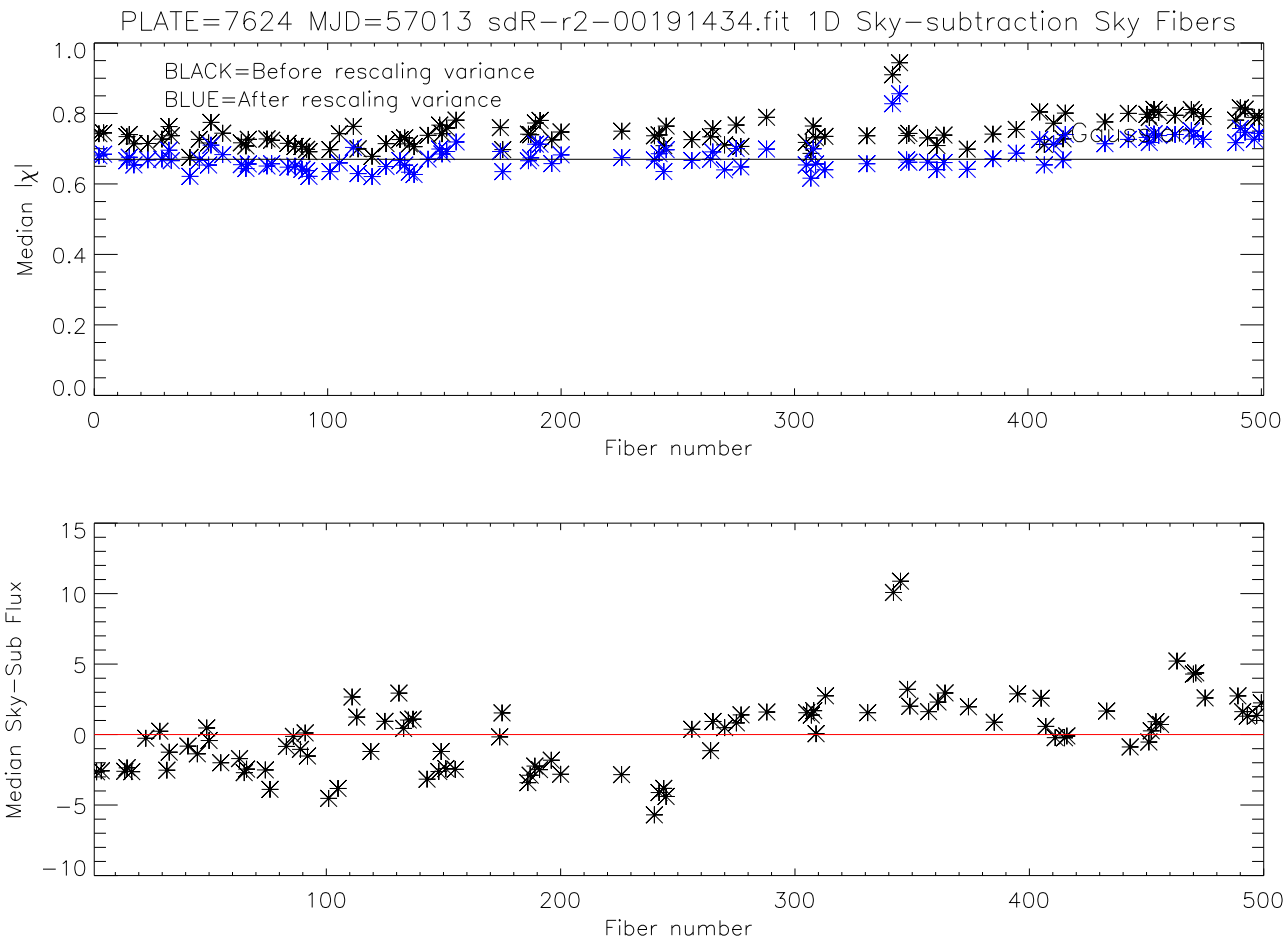

PLATE=7624 MJD=57013 sdR-r2-00191433.fit Skyline Flux at 8888.3
Flux (8888.3)/Airmass
Fiber number
RED = sky fiber
Dispersion = 26.85 %
Flux (8888.3)/Airmass
Focal Distance [mm]
Flux (8888.3)/Airmass
Airmass

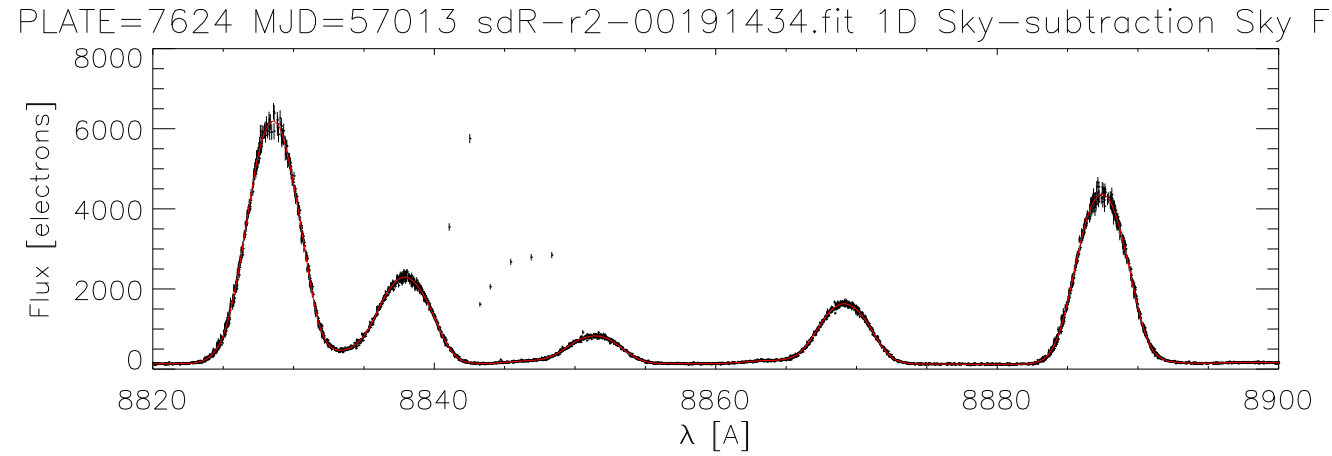

PLATE=7624 MJD=57013 Fiber−Flats for sdR−r2−00191432.fit
BLACK = Median value
ENVELOPE = 95% of points
GREEN = Outlier points
Min value = −1.038
Max value = 11.157
Fiber−Flat
1.5
1.0
0.5
0.0
6.0×10^3
7.0×10^3
8.0×10^3
9.0×10^3
1.0×10^4
1.1×10^4
λ [A]
Sun May 29 10:05:55 2016

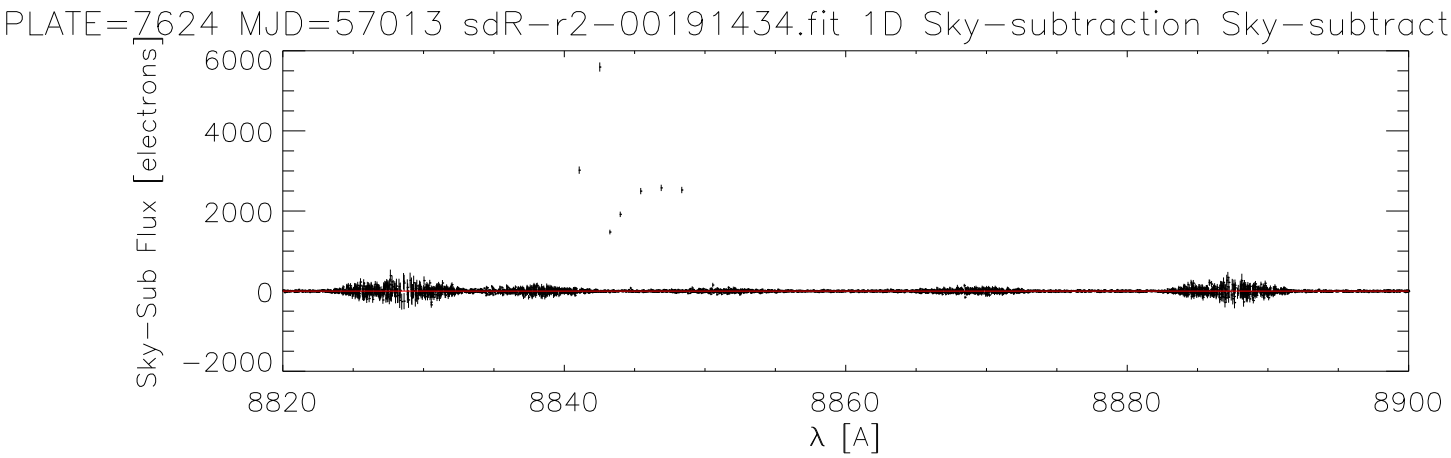

PLATE=7624 MJD=57013 Extraction chi$^2$ for sdR−r2−00191434.fit
BLACK = Final chisq extraction
$\chi^2$
1.0
0.8
0.6
0.4
0.2
0.0
0
1000
2000
3000
4000
Row number


PLATE=7624 MJD=57013 Sky Line Deviations for sdR-r2-00191434.fit
Before shift
After shift
1.00 pix
Fiber Number
0
100
200
300
400
500
5460 5577 6300 6363 6553 6923 6949 7571 7794 7821 8399 8430 8885 8919
Sky Line Wavelength

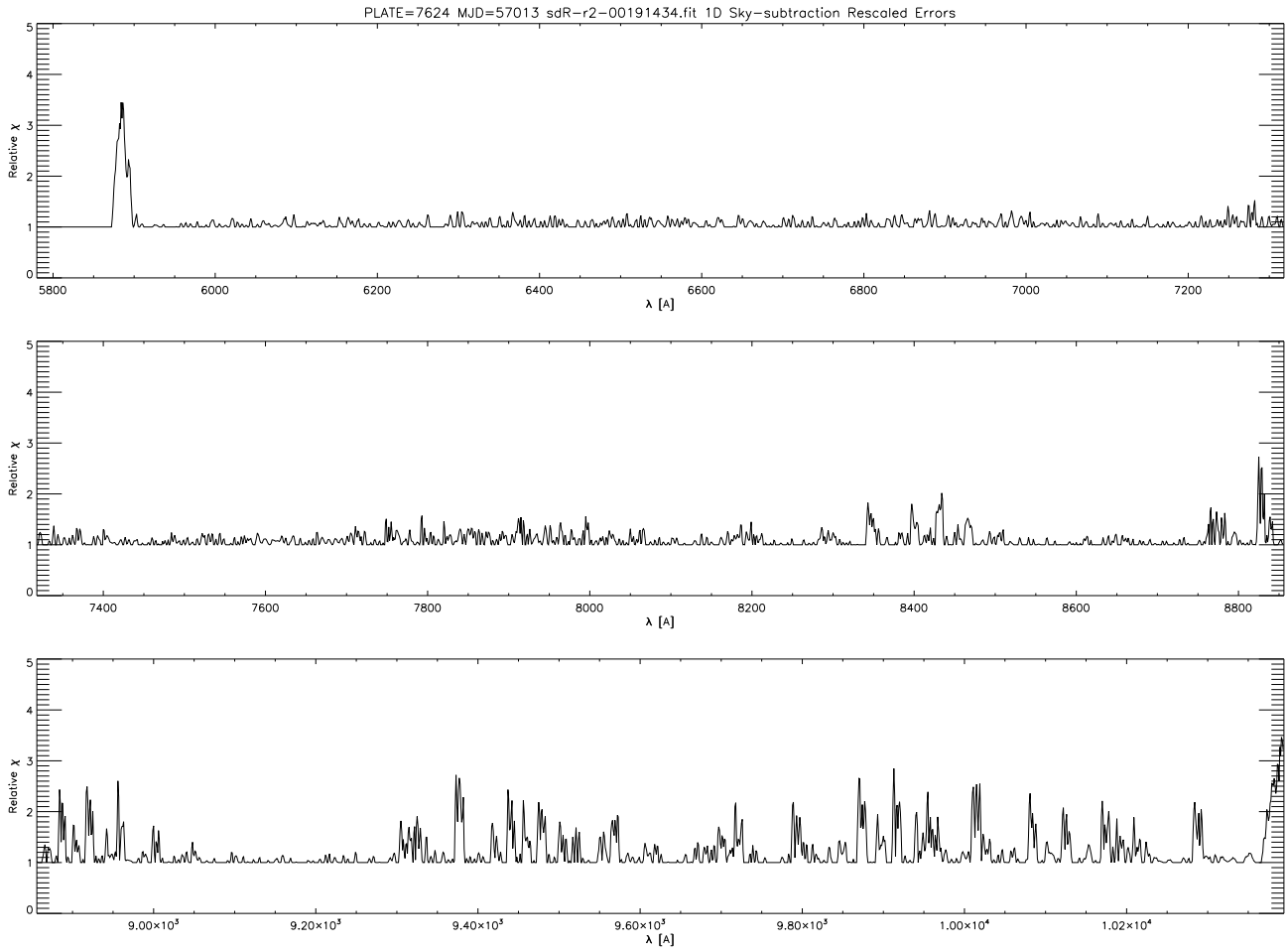

PLATE=7624 MJD=57013 Smooth superflat for sdR-r2-00191434.fit
2.0
1.5
1.0
0.5
0.0
1.04
1.02
1.00
0.98
0.96
6.0×10^3
7.0×10^3
8.0×10^3
9.0×10^3
1.0×10^4
1.1×10^4
Wavelength (Å)

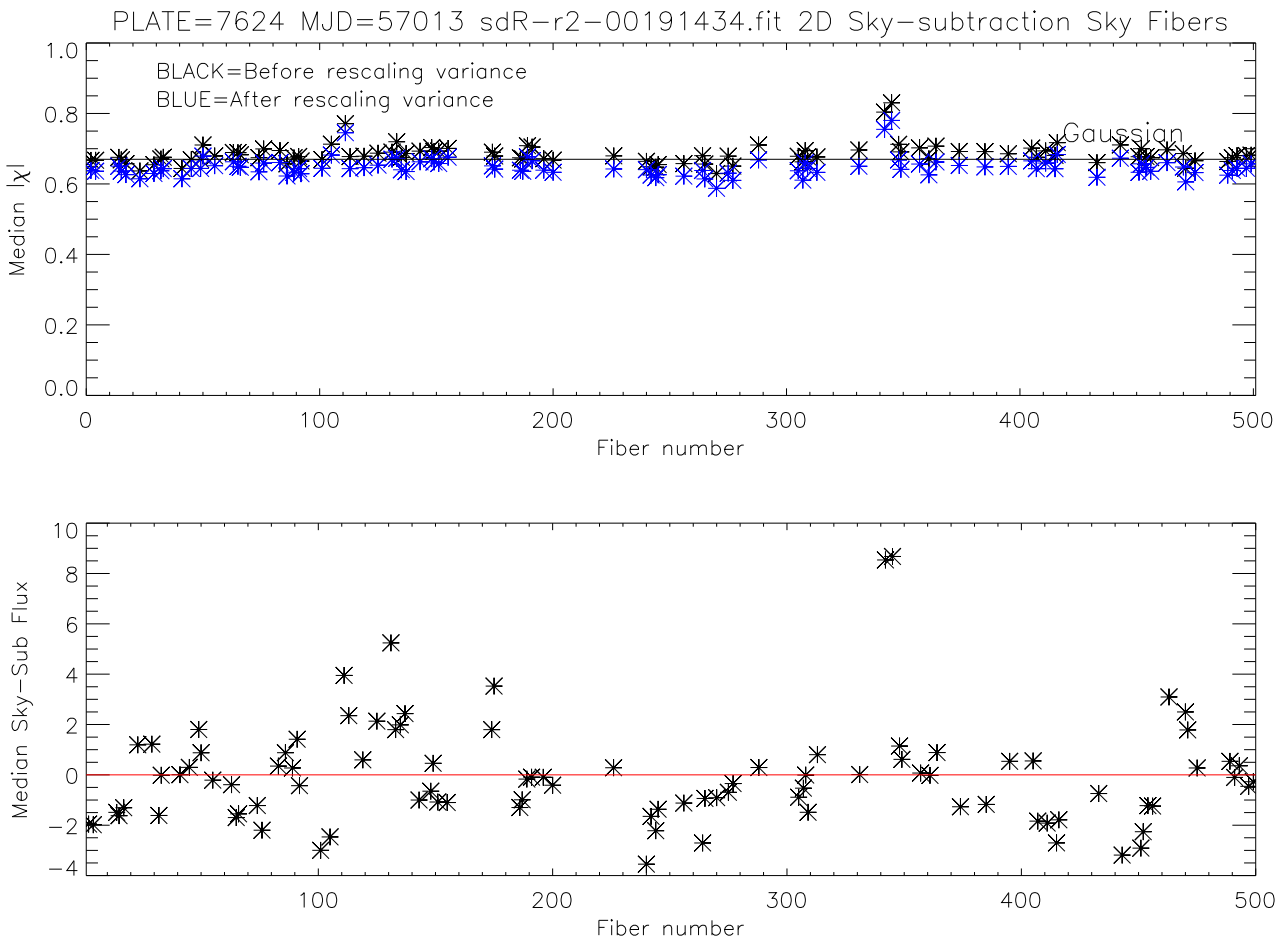

PLATE=7624 MJD=57013 sdR-r2-00191434.fit 1D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

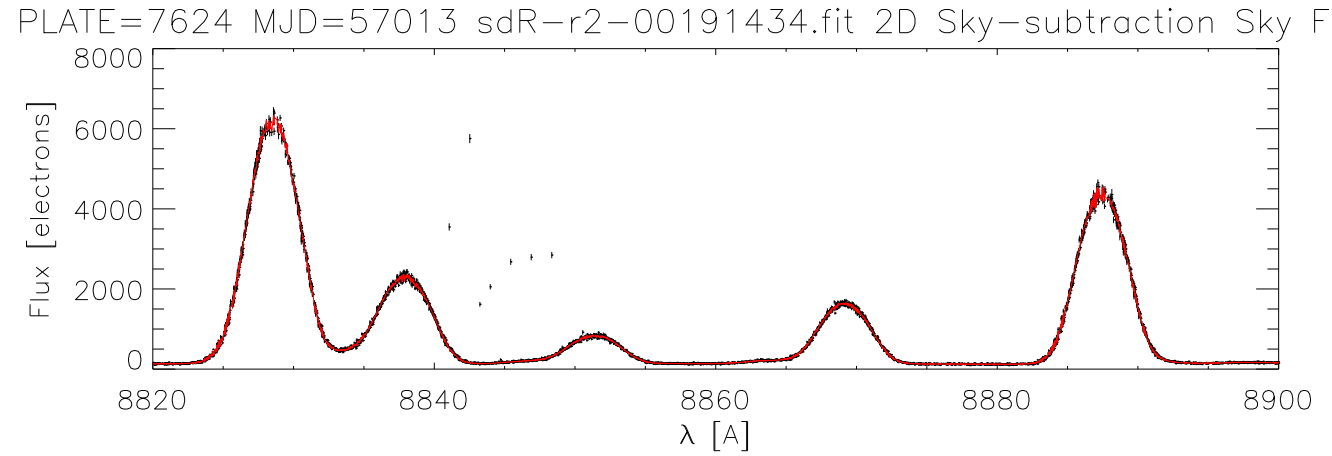

PLATE=7624 MJD=57013 sdR-r2-00191434.fit 1D Sky-subtraction Sky Fibers
Flux [electrons]
8000
6000
4000
2000
0
8820
8840
8860
8880
8900
λ [A]

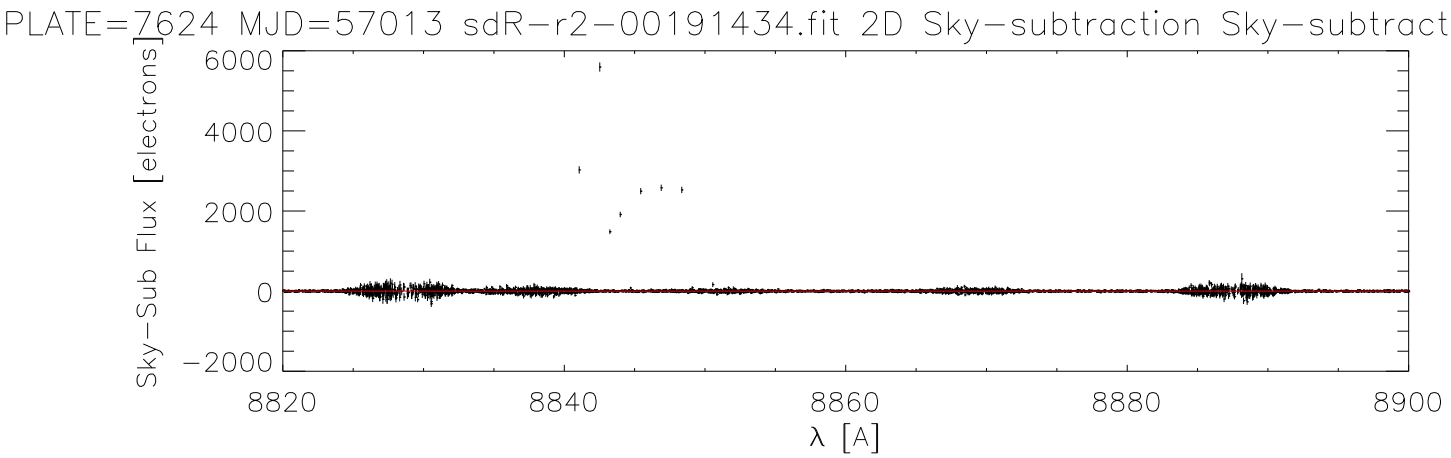

PLATE=7624 MJD=57013 sdR-r2-00191434.fit 1D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
6000
4000
2000
0
-2000
8820
8840
8860
8880
8900
λ [A]

Number of sky fibers = 95

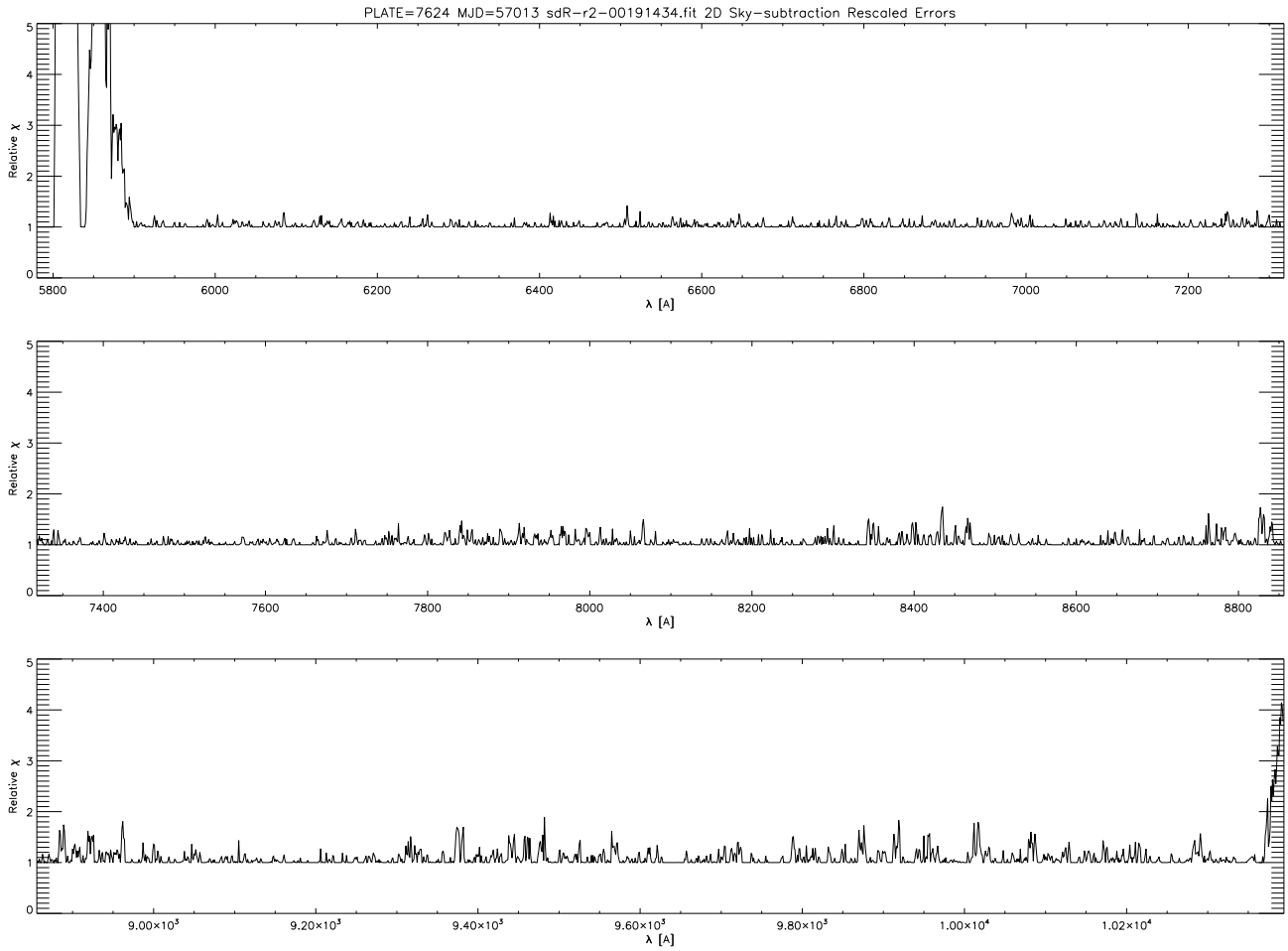


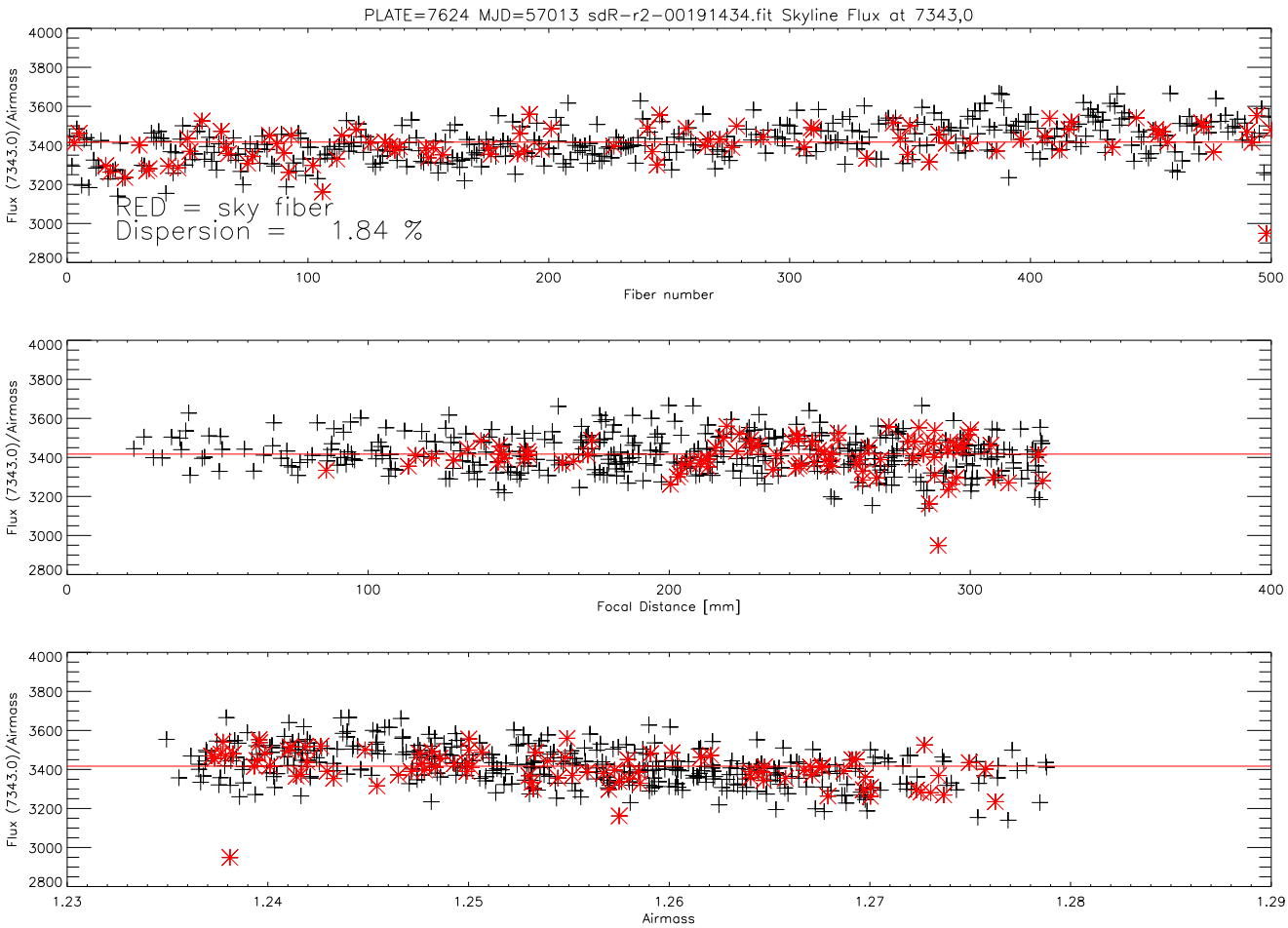

PLATE=7624 MJD=57013 sdR-r2-00191434.fit 2D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

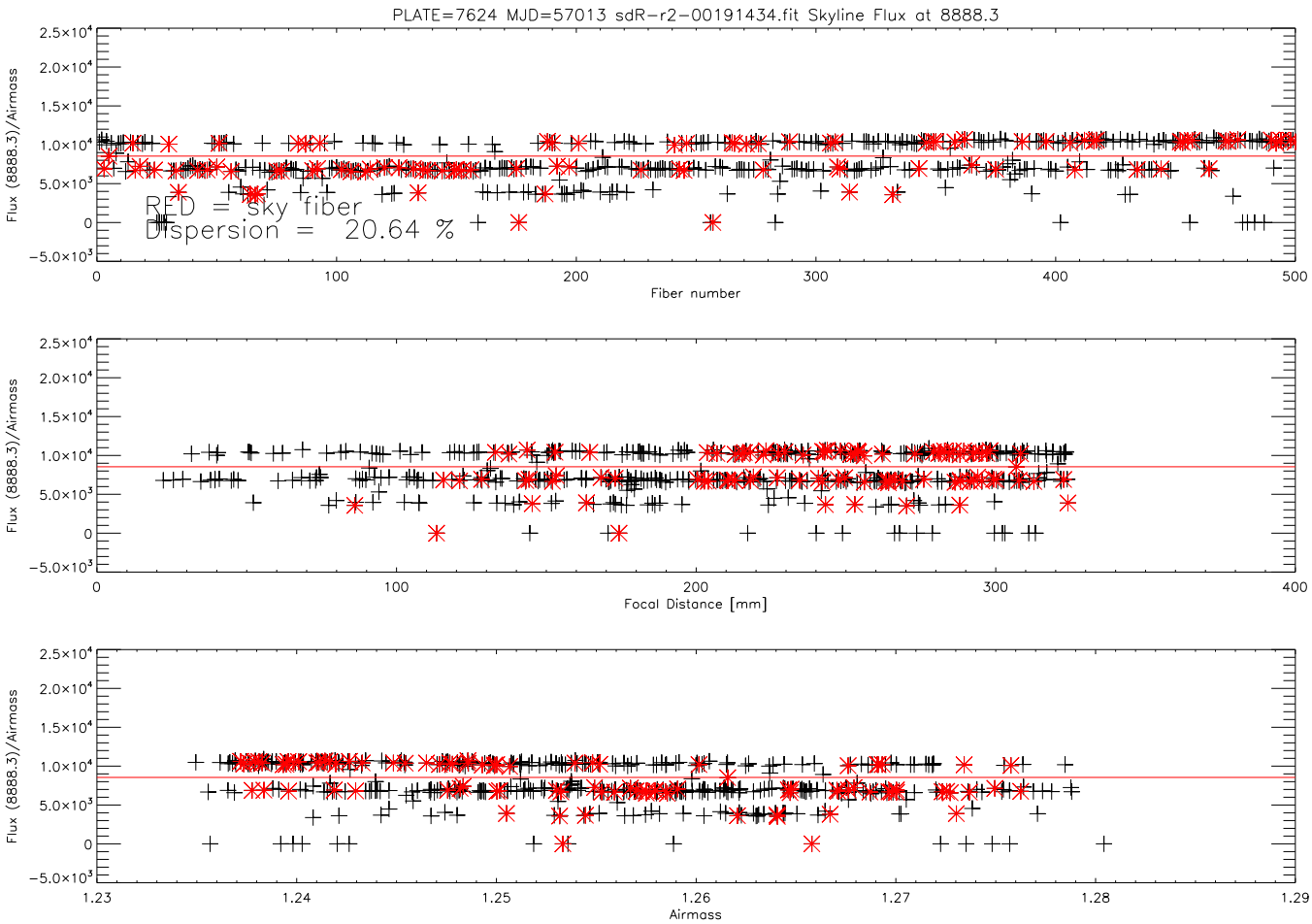

PLATE=7624 MJD=57013 sdR-r2-00191434.fit 2D Sky-subtraction Sky Fibers
Flux [electrons]
8000
6000
4000
2000
0
8820
8840
8860
8880
8900
λ [A]

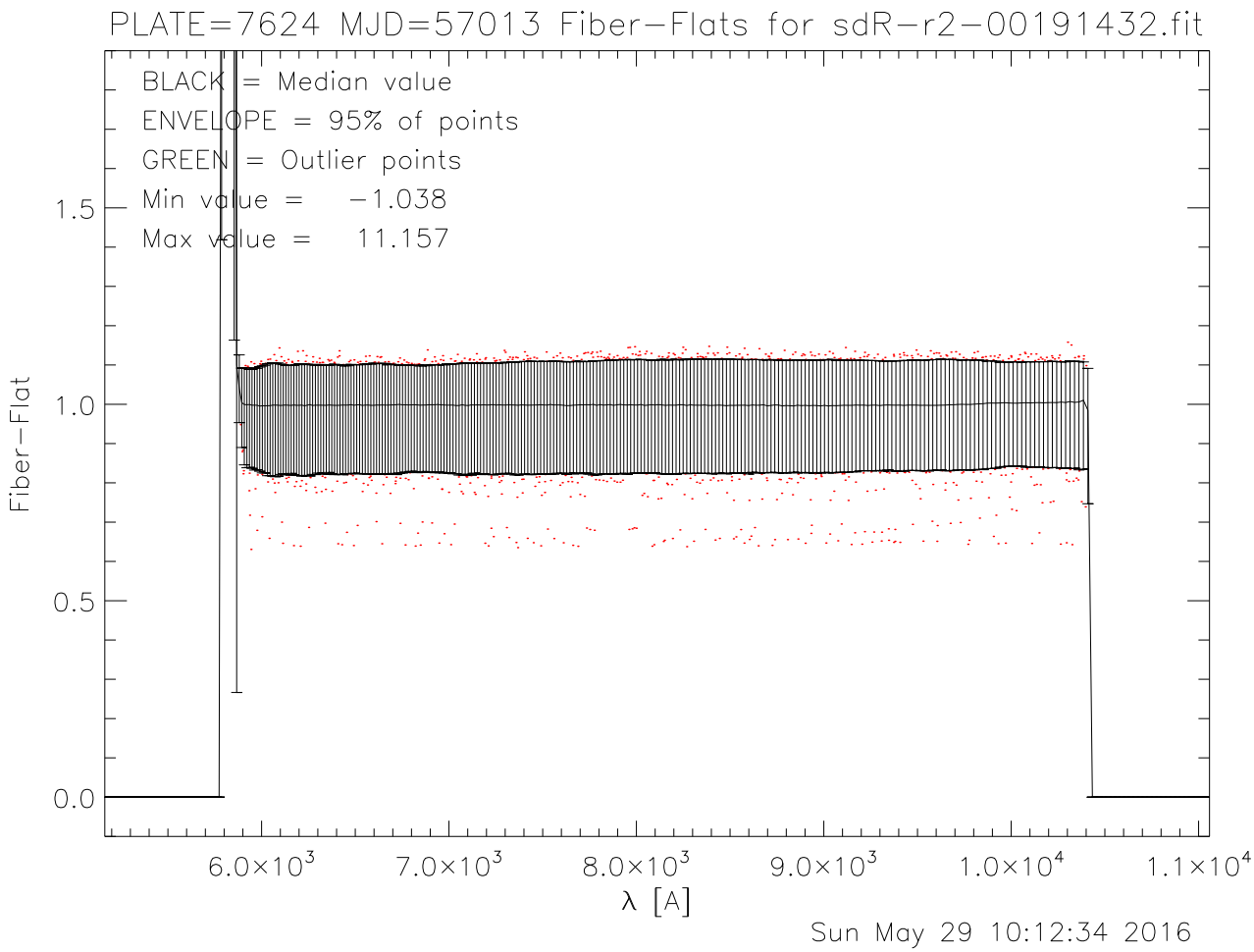

PLATE=7624 MJD=57013 sdR-r2-00191434.fit 2D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
6000
4000
2000
0
-2000
8820
8840
8860
8880
8900
λ [A]

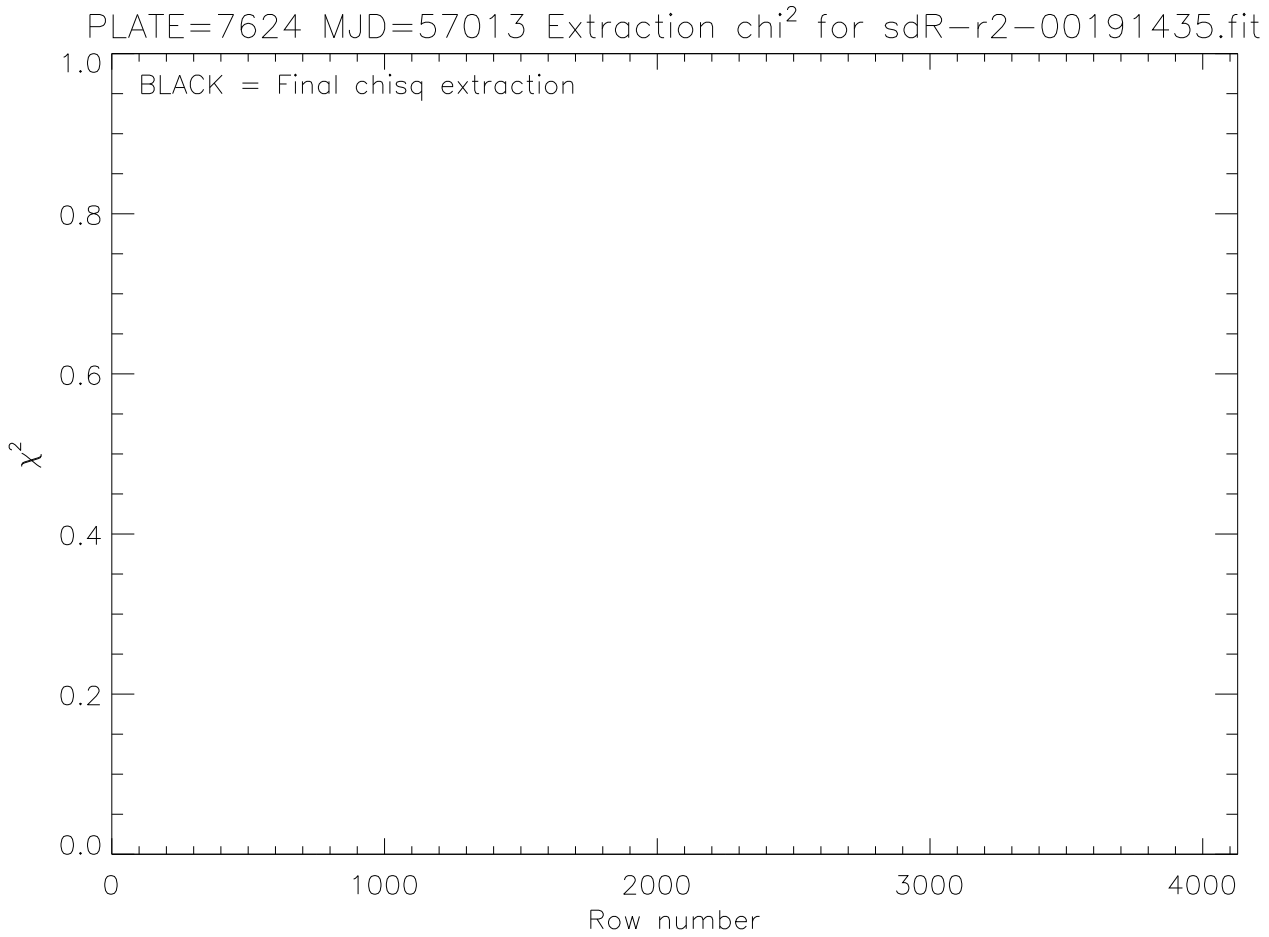
Number of sky fibers = 95

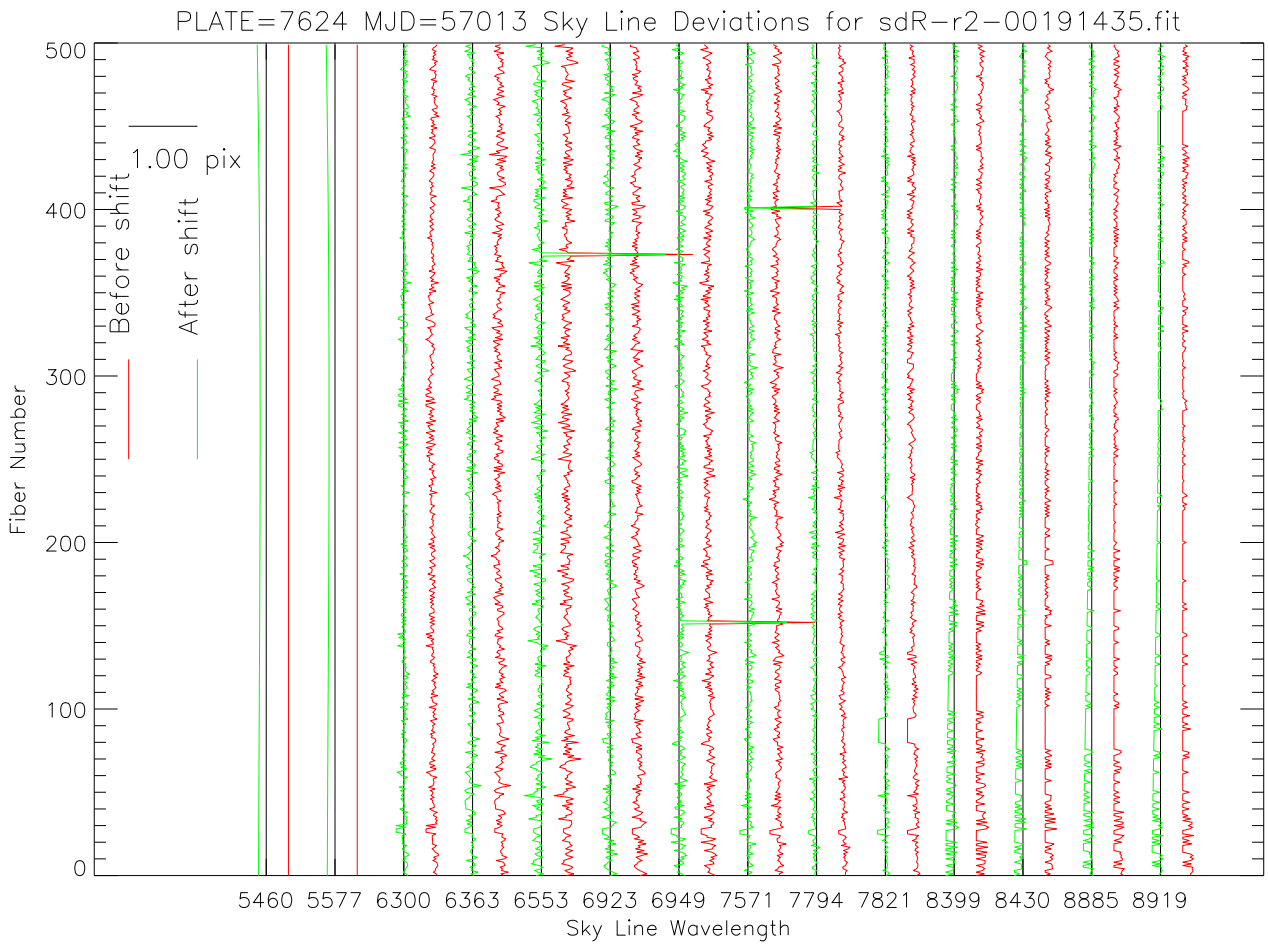


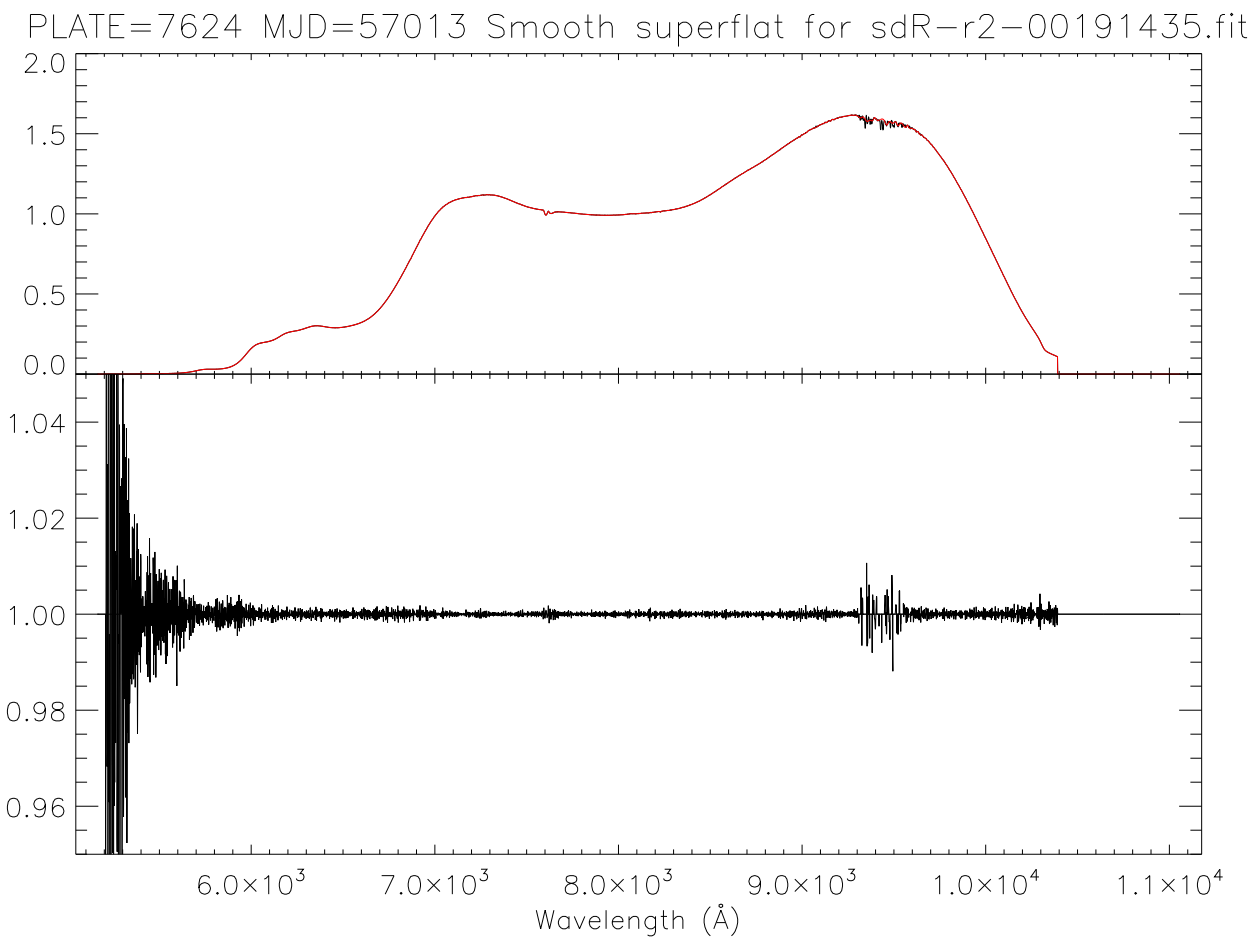

PLATE=7624 MJD=57013 sdR-r2-00191434.fit Skyline Flux at 7343,0
Flux (7343.0)/Airmass
RED = sky fiber
Dispersion = 1.84 %
Fiber number
Flux (7343.0)/Airmass
Focal Distance [mm]
Flux (7343.0)/Airmass
Airmass

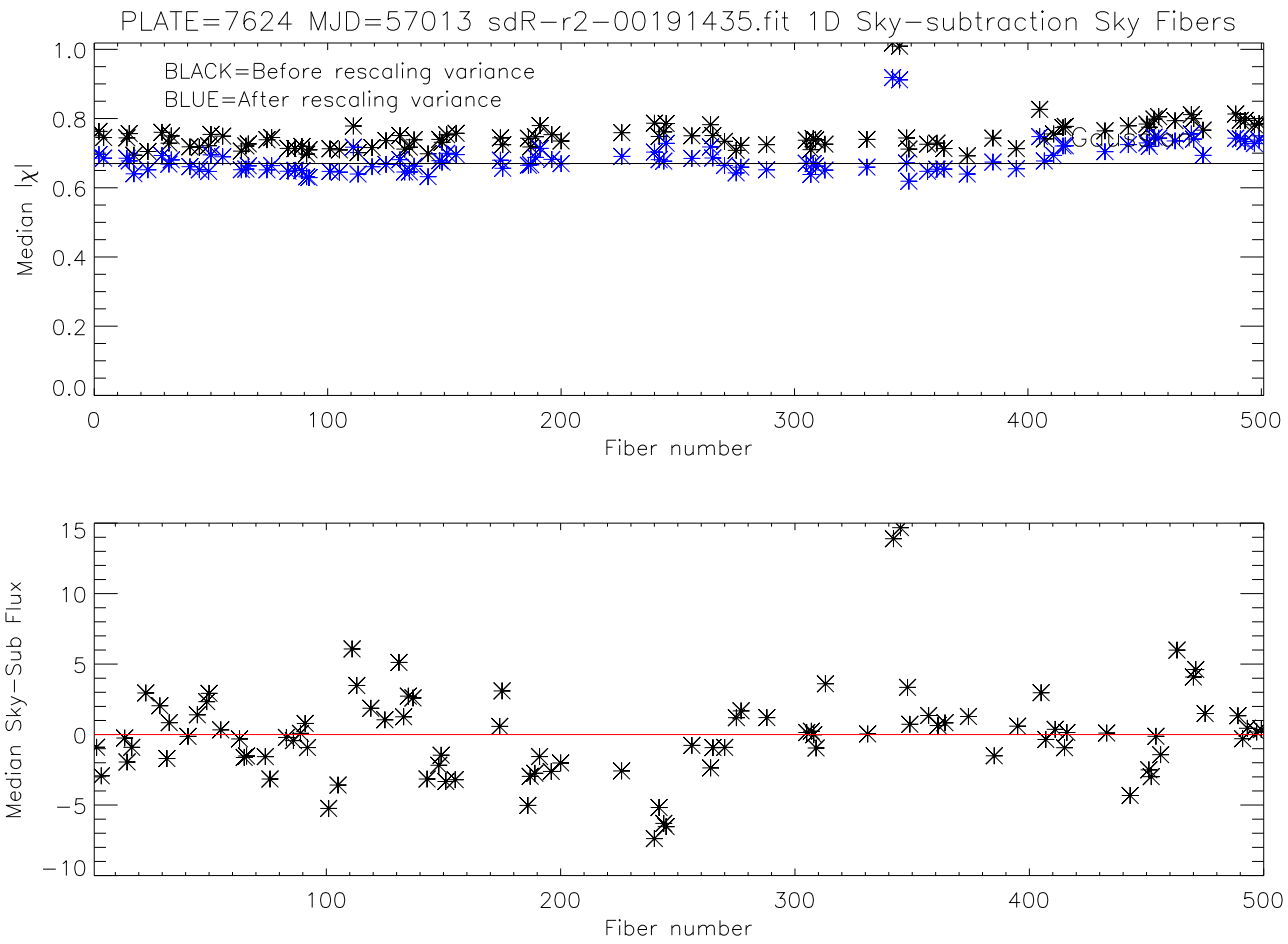

PLATE=7624 MJD=57013 sdR-r2-00191434.fit Skyline Flux at 8888.3
Flux (8888.3)/Airmass
Fiber number
RED = sky fiber
Dispersion = 20.64 %
Flux (8888.3)/Airmass
Focal Distance [mm]
Flux (8888.3)/Airmass
Airmass

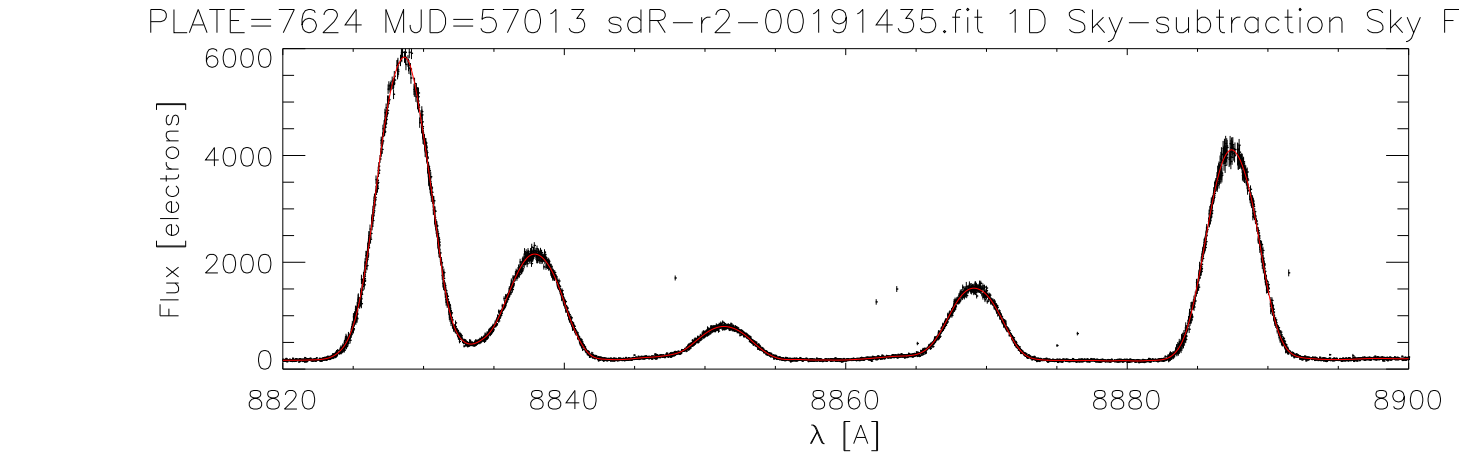

PLATE=7624 MJD=57013 Fiber−Flats for sdR−r2−00191432.fit
BLACK = Median value
ENVELOPE = 95% of points
GREEN = Outlier points
Min value = −1.038
Max value = 11.157
Fiber−Flat
1.5
1.0
0.5
0.0
6.0×10^3
7.0×10^3
8.0×10^3
9.0×10^3
1.0×10^4
1.1×10^4
λ [A]
Sun May 29 10:12:34 2016

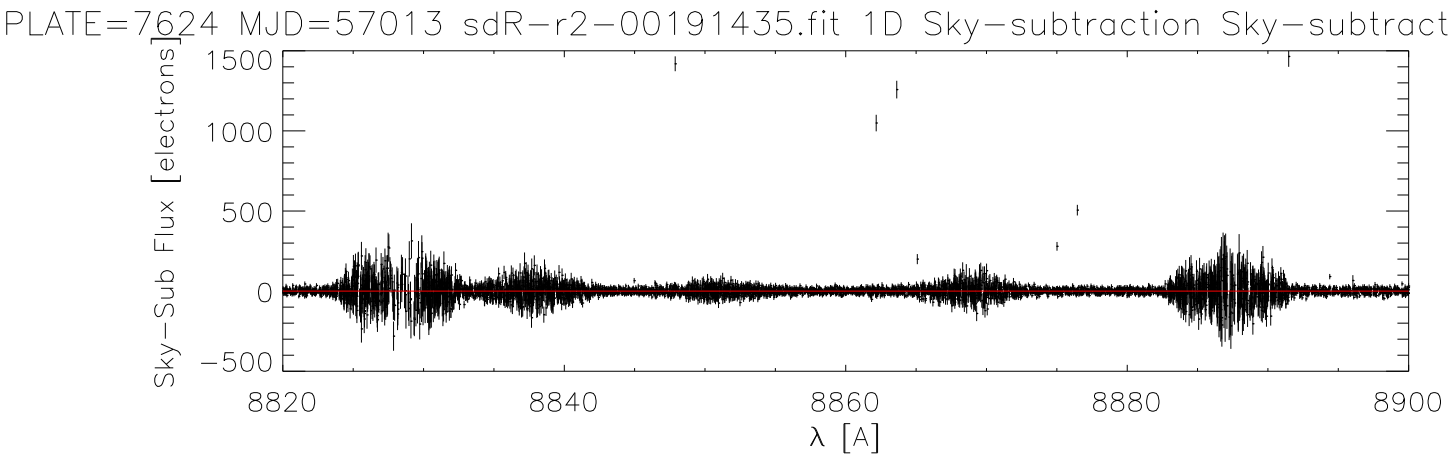

PLATE=7624 MJD=57013 Extraction chi$^2$ for sdR−r2−00191435.fit
BLACK = Final chisq extraction
$\chi^2$
1.0
0.8
0.6
0.4
0.2
0.0
0
1000
2000
3000
4000
Row number


PLATE=7624 MJD=57013 Sky Line Deviations for sdR-r2-00191435.fit
Before shift
After shift
1.00 pix
Fiber Number
0
100
200
300
400
500
5460 5577 6300 6363 6553 6923 6949 7571 7794 7821 8399 8430 8885 8919
Sky Line Wavelength

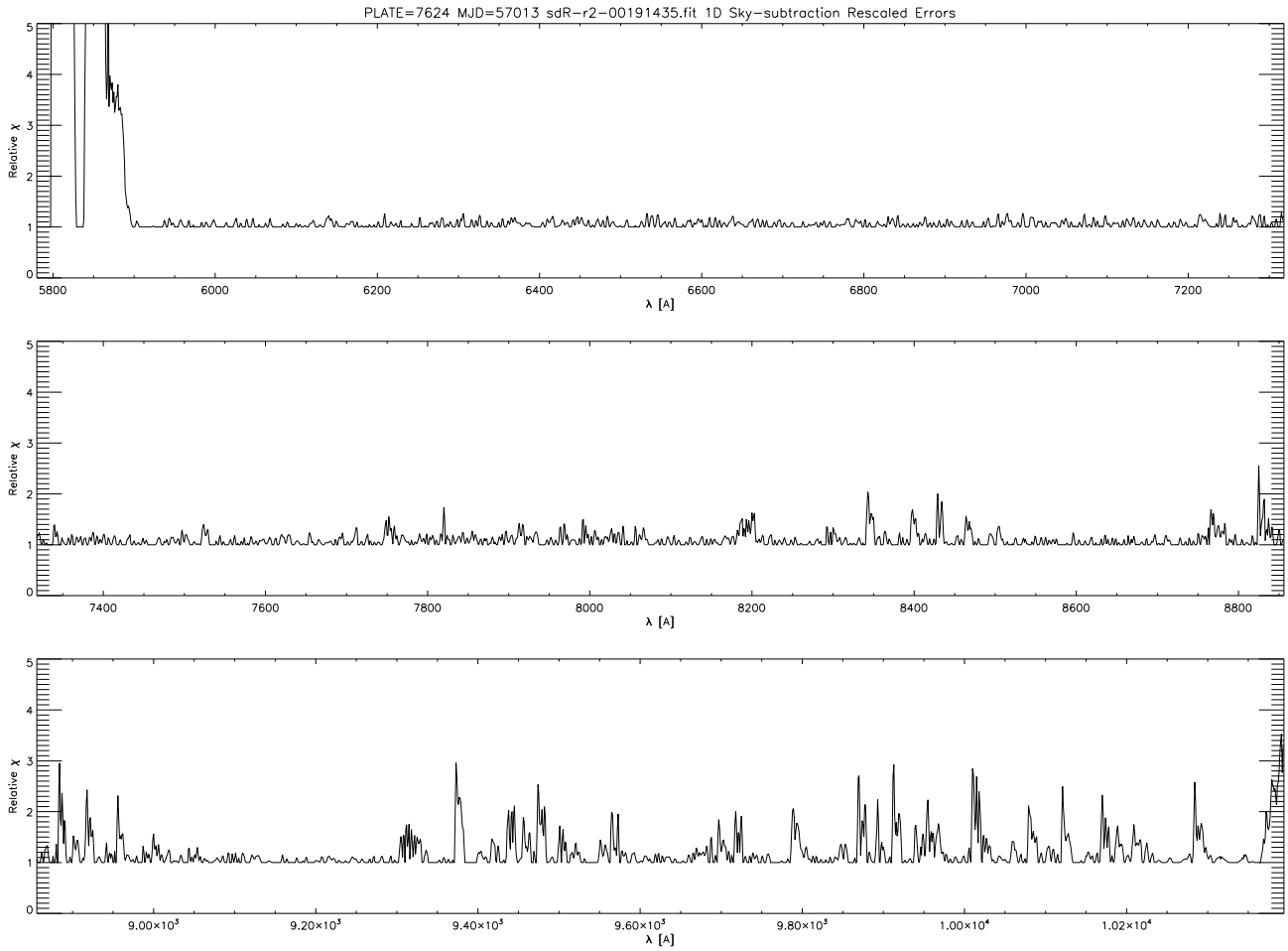

PLATE=7624 MJD=57013 Smooth superflat for sdR-r2-00191435.fit
2.0
1.5
1.0
0.5
0.0
1.04
1.02
1.00
0.98
0.96
6.0×10^3
7.0×10^3
8.0×10^3
9.0×10^3
1.0×10^4
1.1×10^4
Wavelength (Å)

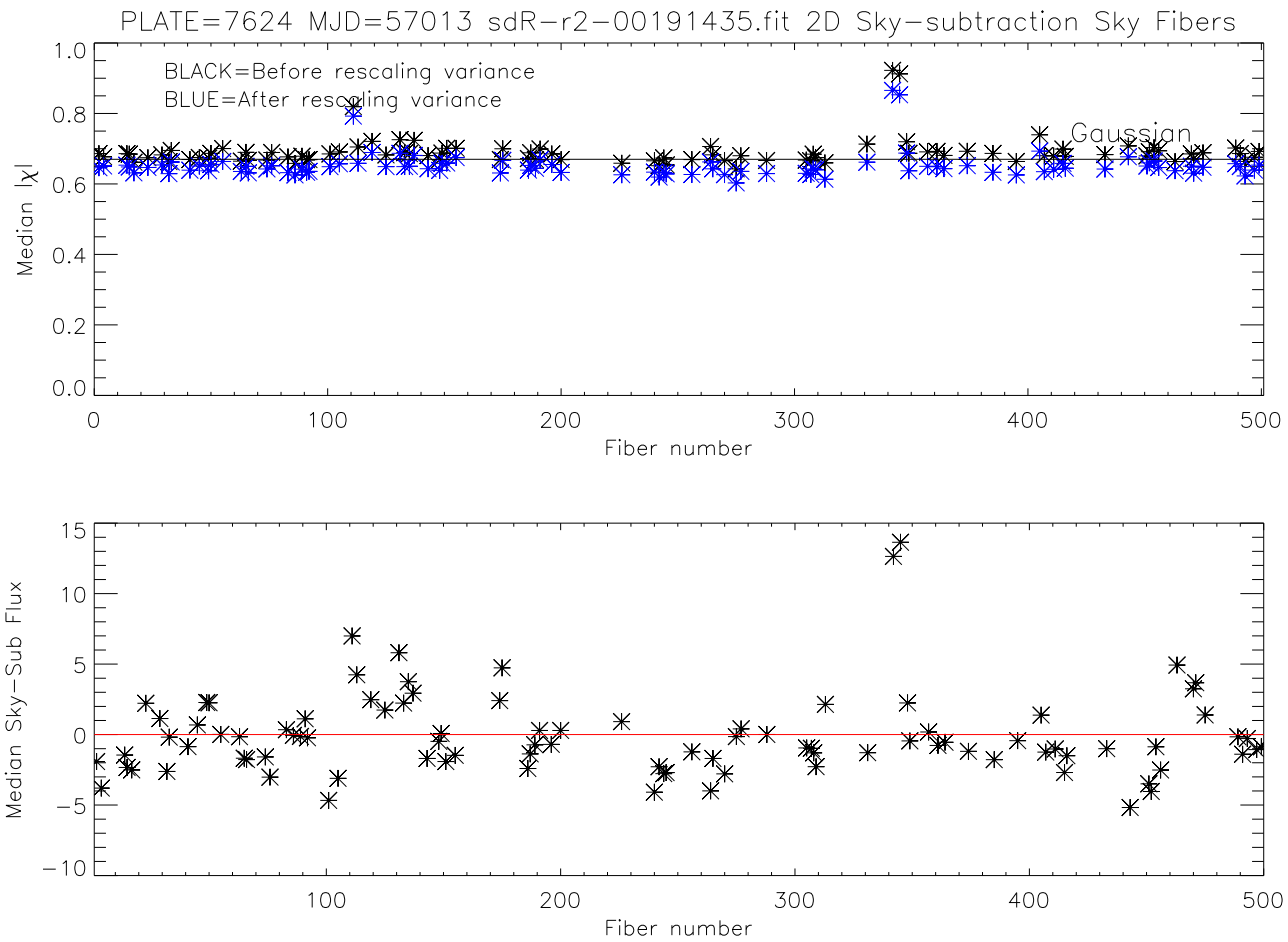

PLATE=7624 MJD=57013 sdR-r2-00191435.fit 1D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

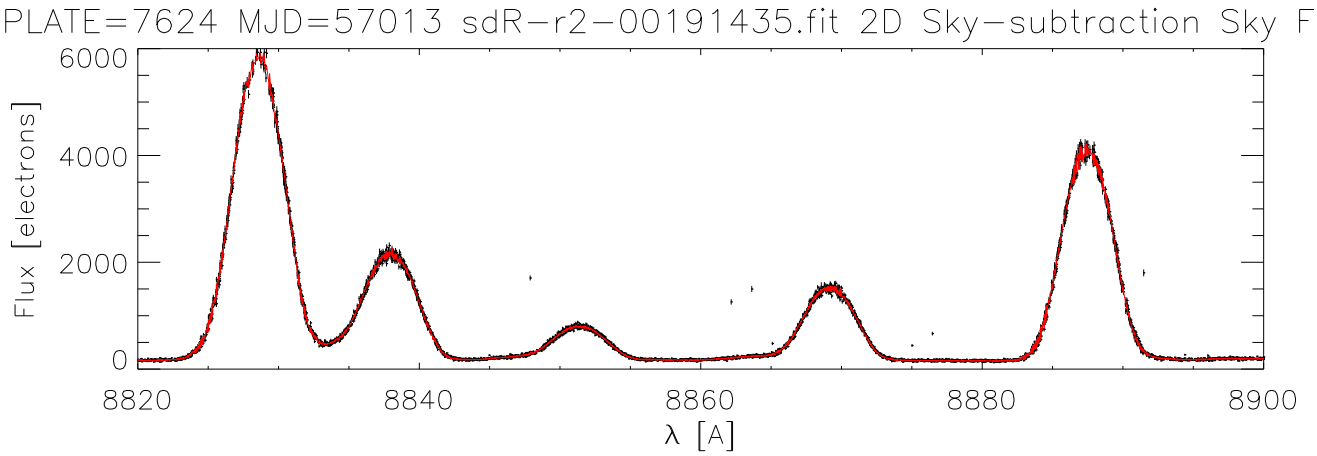

PLATE=7624 MJD=57013 sdR-r2-00191435.fit 1D Sky-subtraction Sky Fibers
Flux [electrons]
6000
4000
2000
0
8820
8840
8860
8880
8900
λ [A]

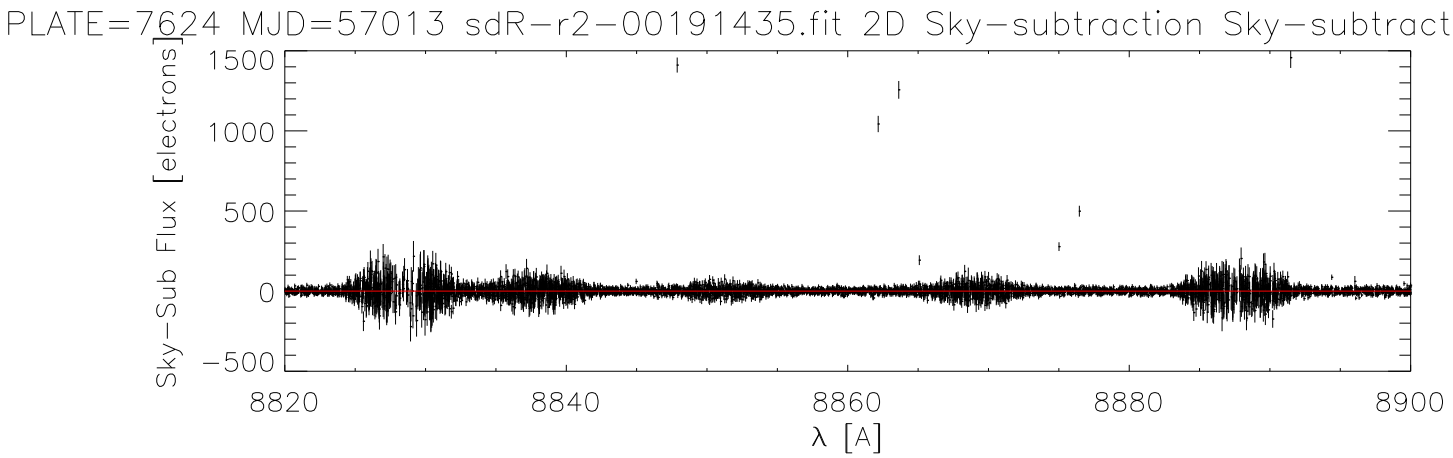

PLATE=7624 MJD=57013 sdR-r2-00191435.fit 1D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
1500
1000
500
0
-500
8820
8840
8860
8880
8900
λ [A]

Number of sky fibers = 95

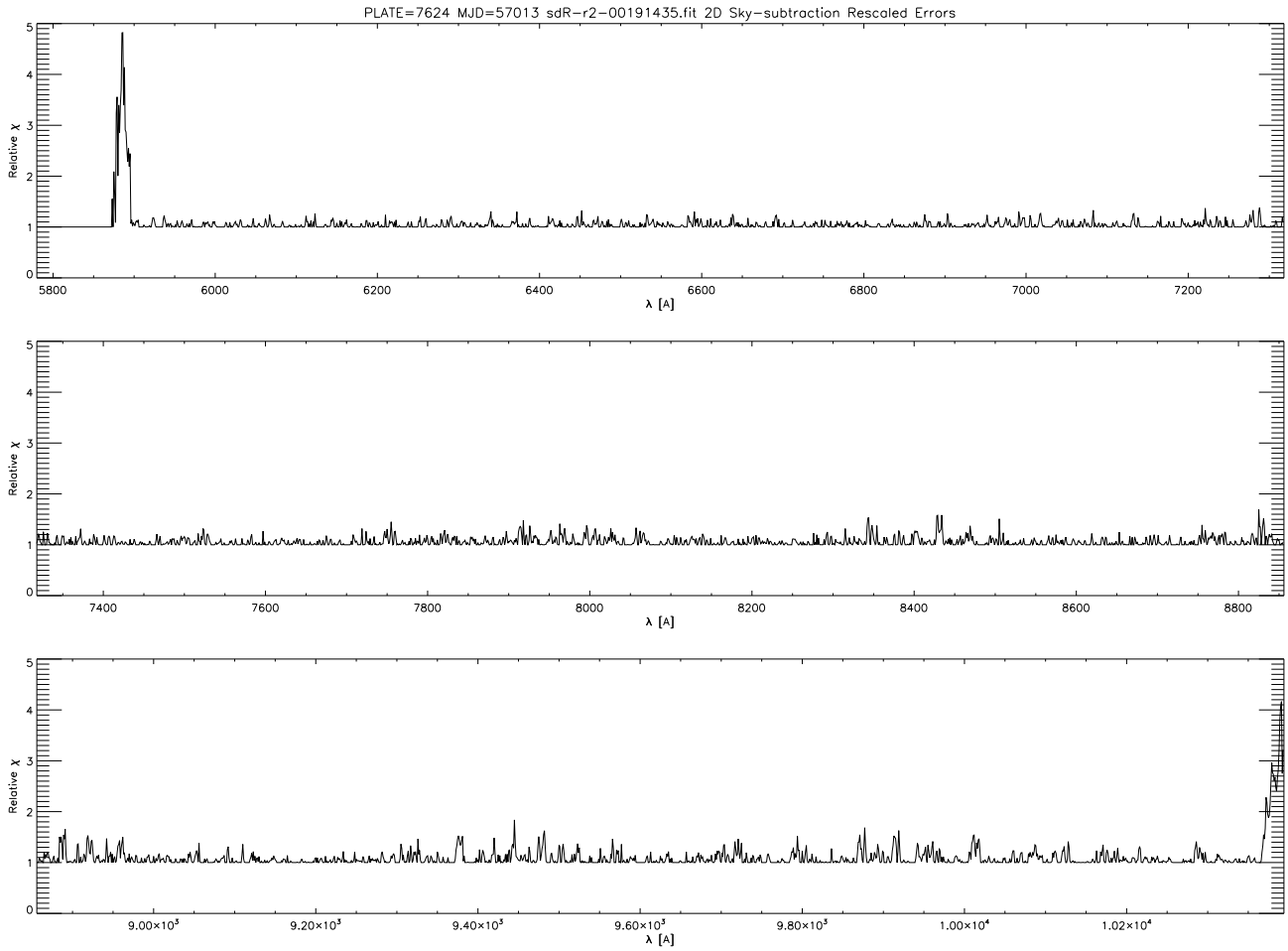


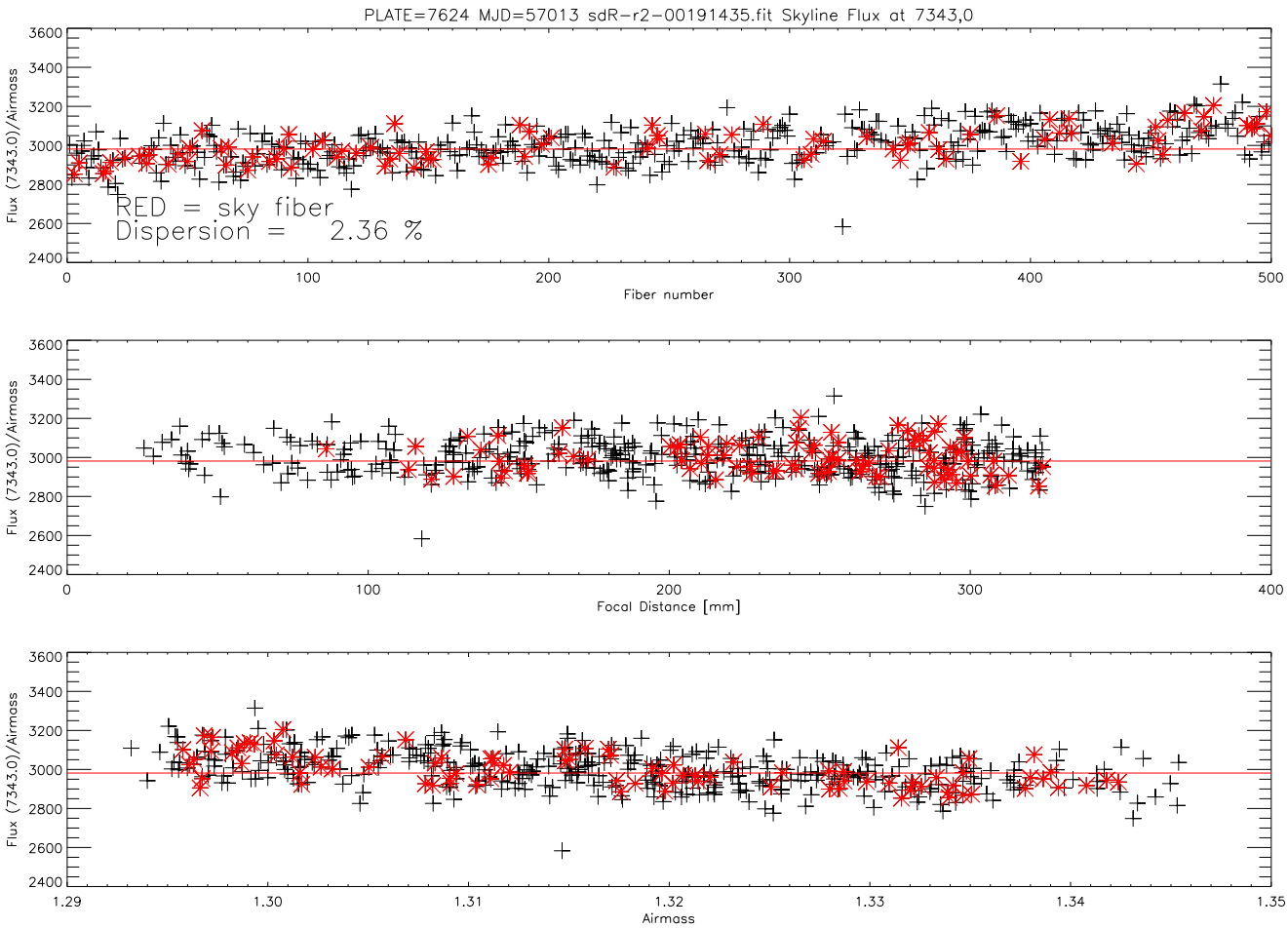

PLATE=7624 MJD=57013 sdR-r2-00191435.fit 2D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

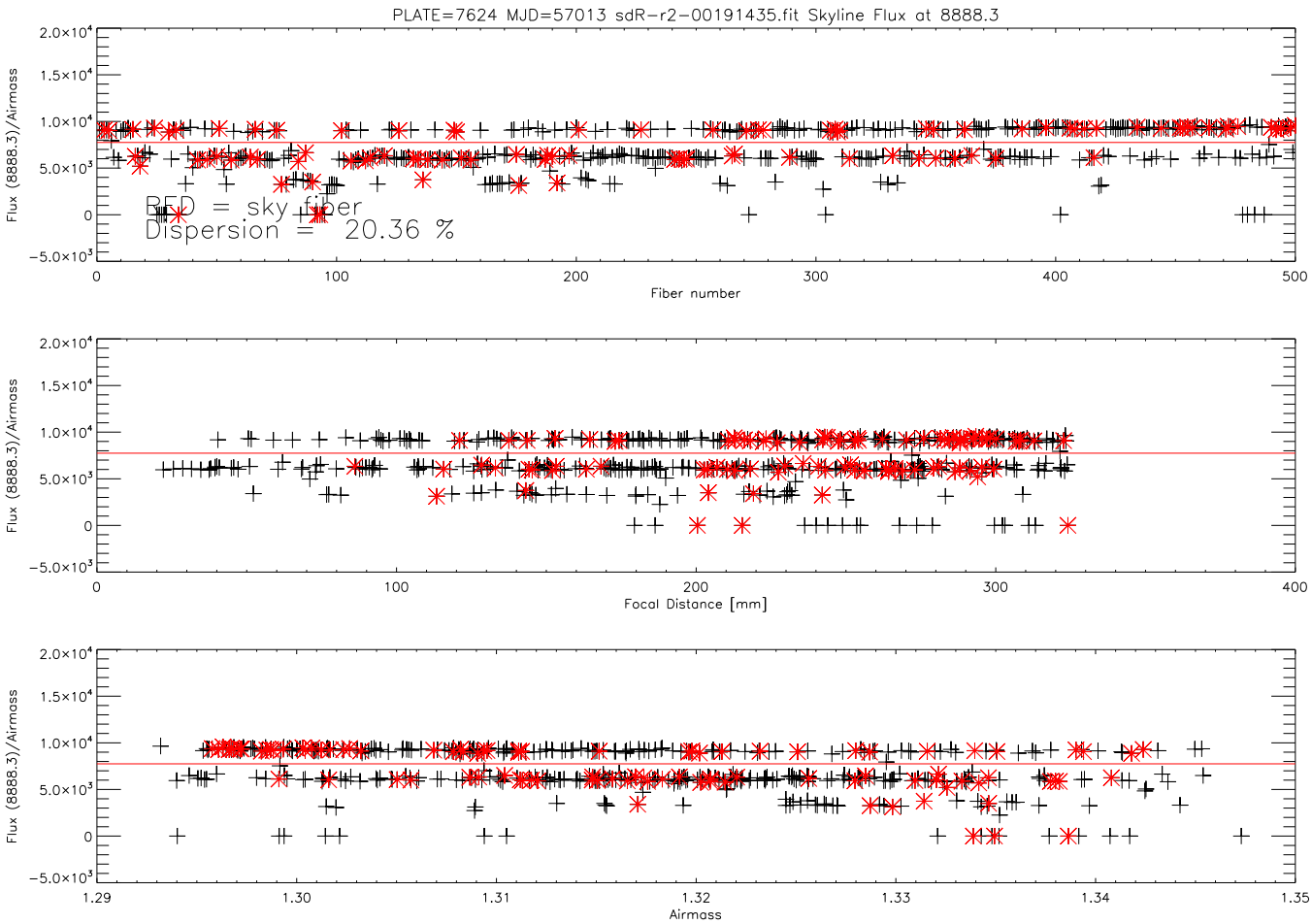

PLATE=7624 MJD=57013 sdR-r2-00191435.fit 2D Sky-subtraction Sky Fibers
Flux [electrons]
6000
4000
2000
0
8820
8840
8860
8880
8900
λ [A]

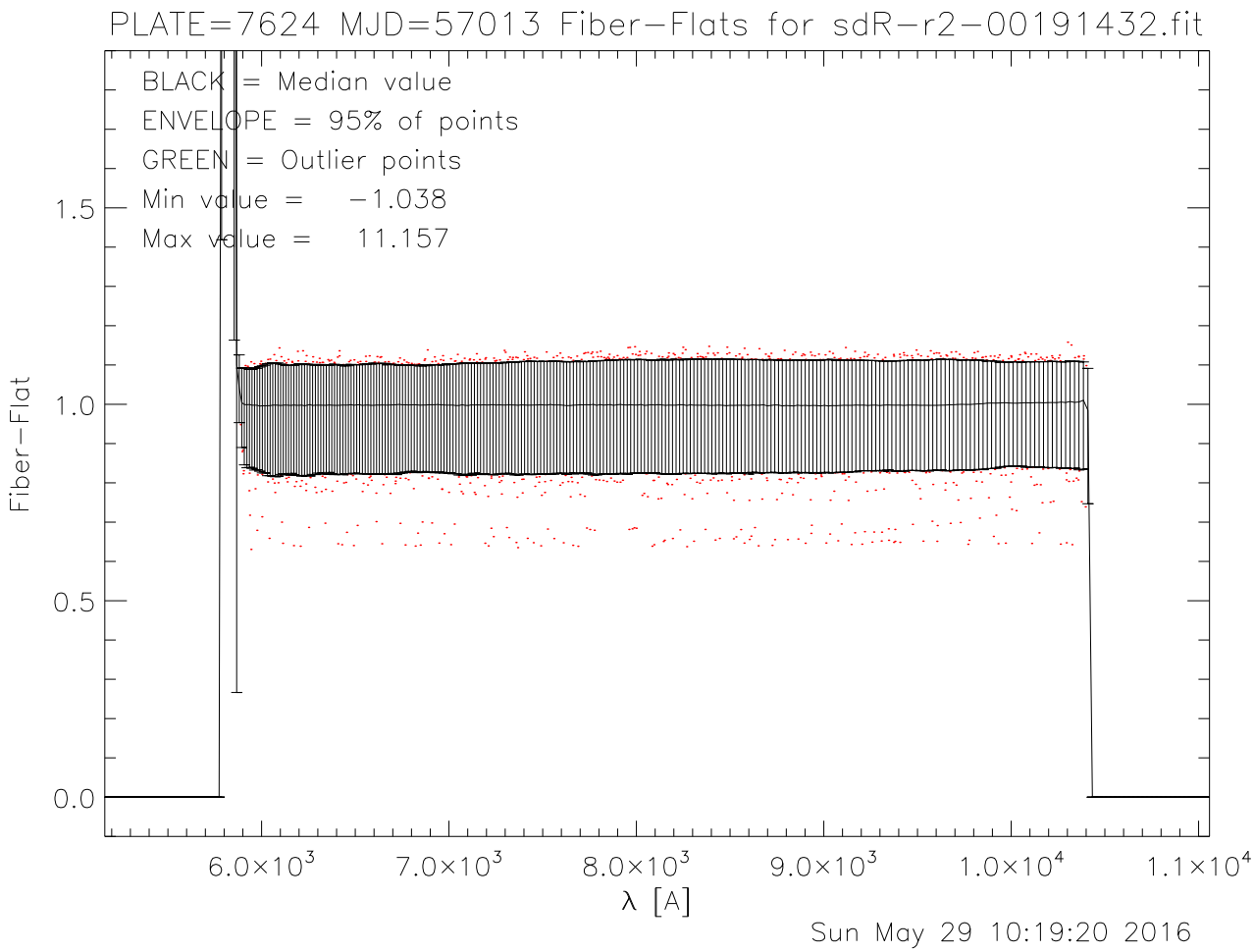

PLATE=7624 MJD=57013 sdR-r2-00191435.fit 2D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
1500
1000
500
0
-500
8820
8840
8860
8880
8900
λ [A]

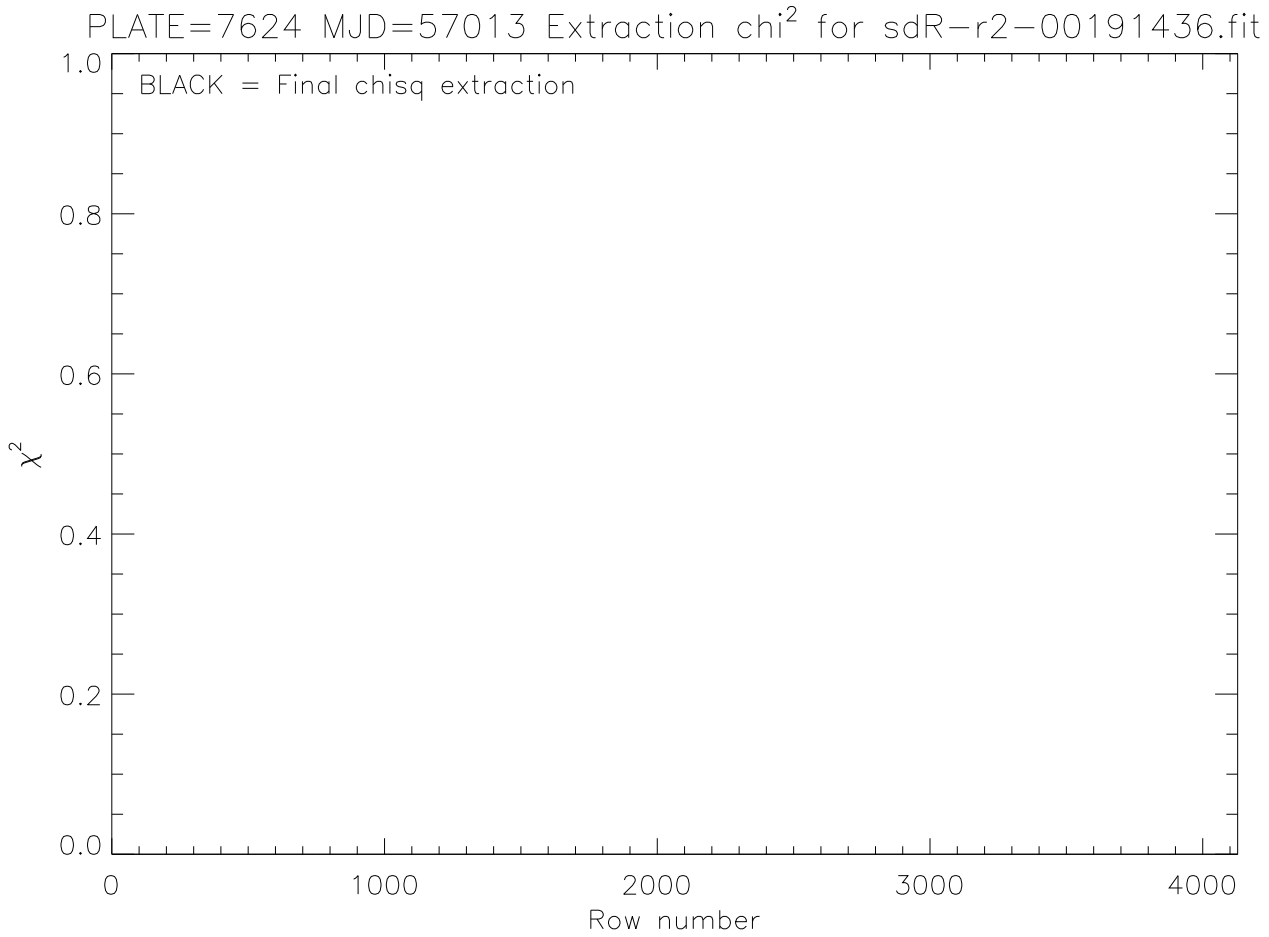
Number of sky fibers = 95

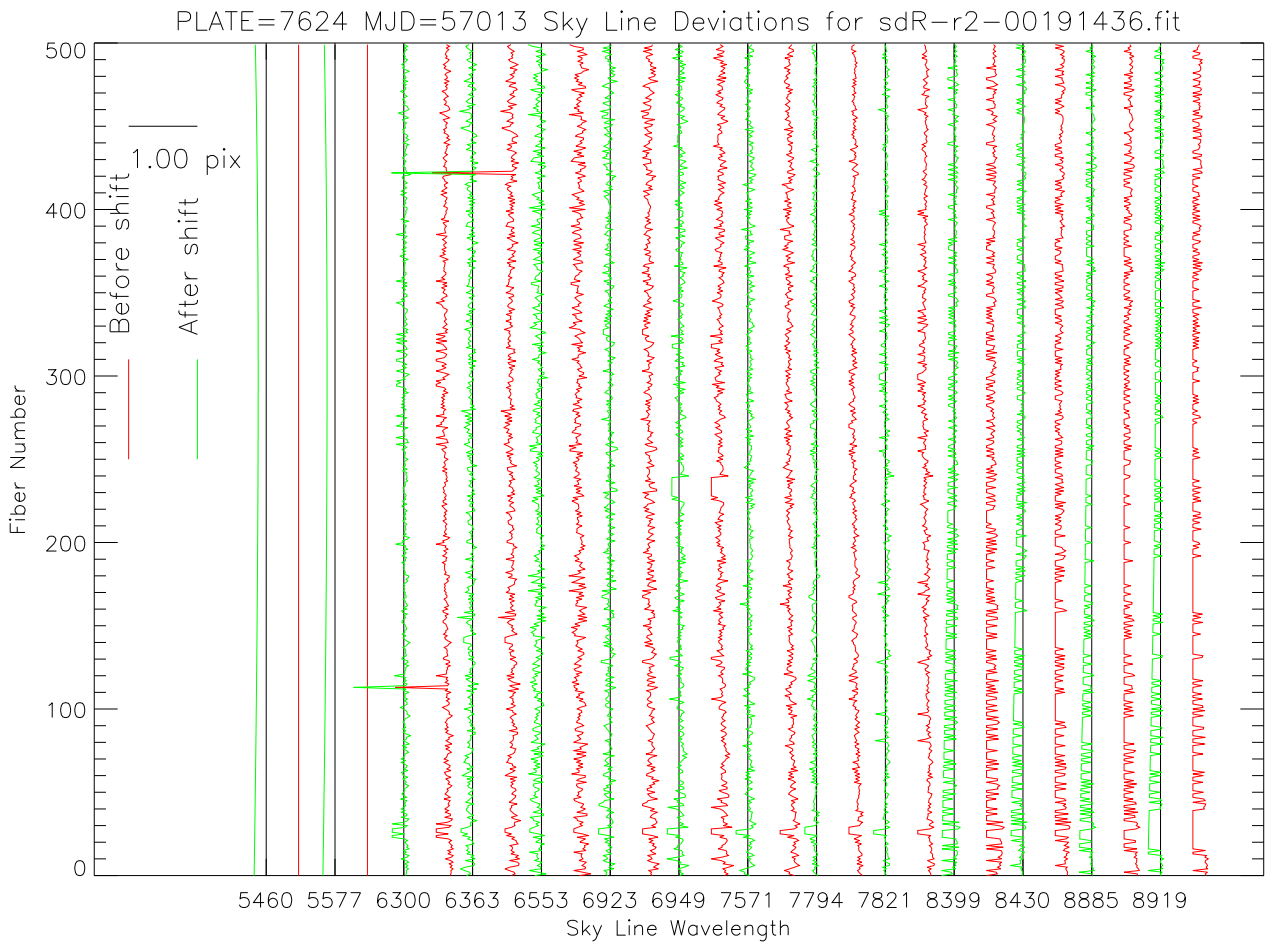


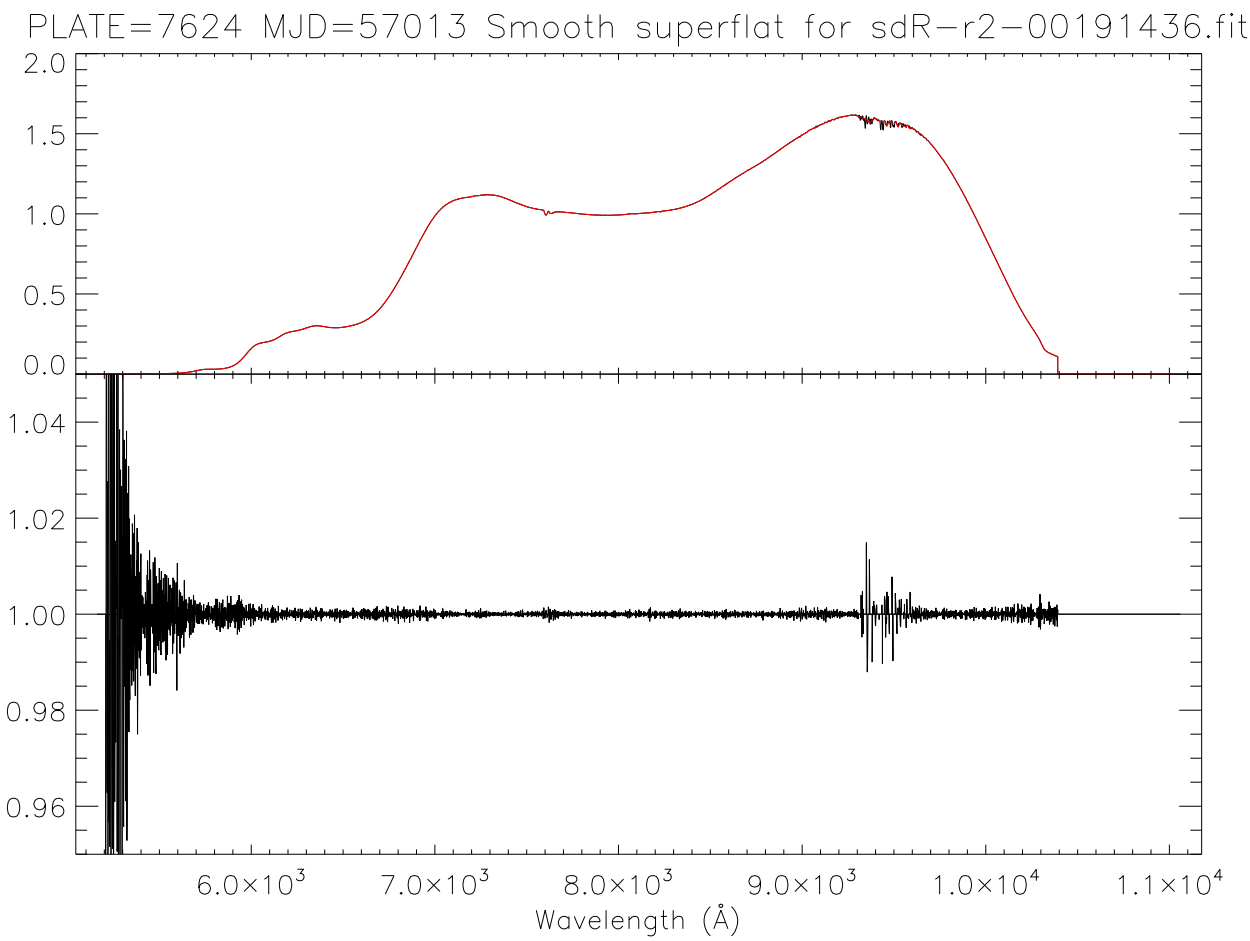

PLATE=7624 MJD=57013 sdR-r2-00191435.fit Skyline Flux at 7343,0
Flux (7343.0)/Airmass
RED = sky fiber
Dispersion = 2.36 %
Fiber number
Flux (7343.0)/Airmass
Focal Distance [mm]
Flux (7343.0)/Airmass
Airmass

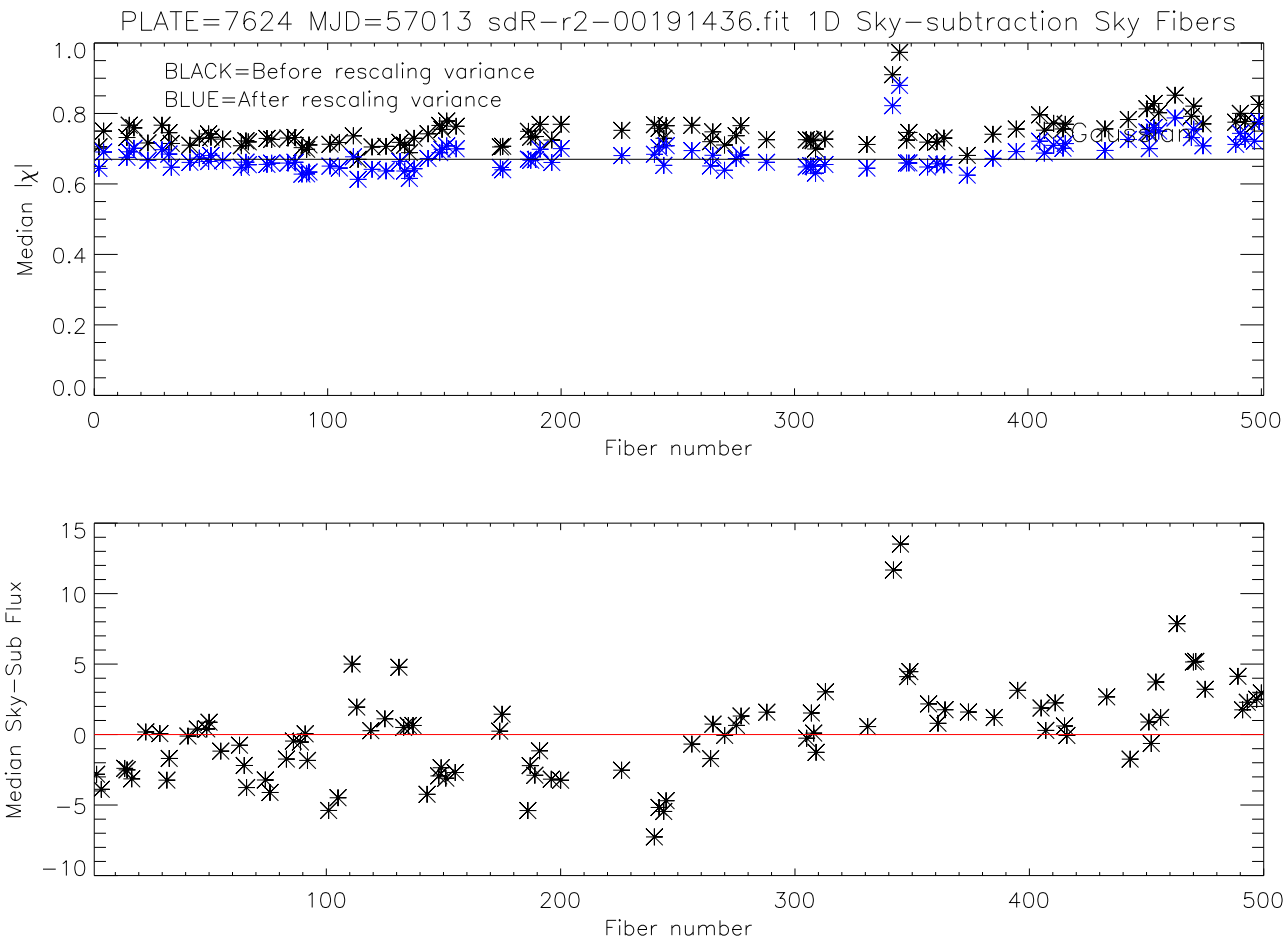

PLATE=7624 MJD=57013 sdR-r2-00191435.fit Skyline Flux at 8888.3
Flux (8888.3)/Airmass
Fiber number
RED = sky fiber
Dispersion = 20.36 %
Flux (8888.3)/Airmass
Focal Distance [mm]
Flux (8888.3)/Airmass
Airmass

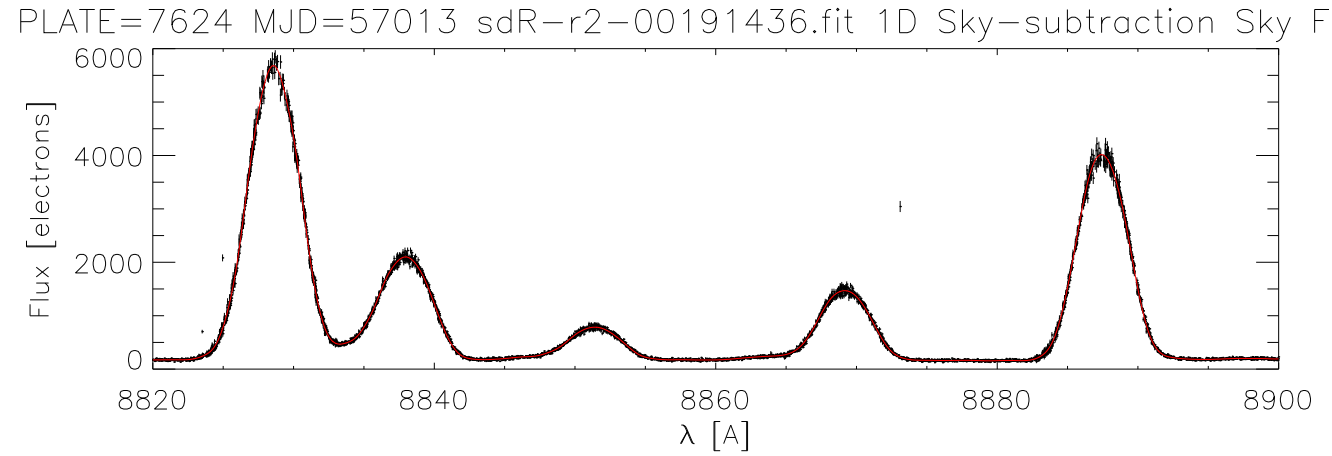

PLATE=7624 MJD=57013 Fiber−Flats for sdR−r2−00191432.fit
BLACK = Median value
ENVELOPE = 95% of points
GREEN = Outlier points
Min value = −1.038
Max value = 11.157
Fiber−Flat
1.5
1.0
0.5
0.0
6.0×10^3
7.0×10^3
8.0×10^3
9.0×10^3
1.0×10^4
1.1×10^4
λ [A]
Sun May 29 10:19:20 2016

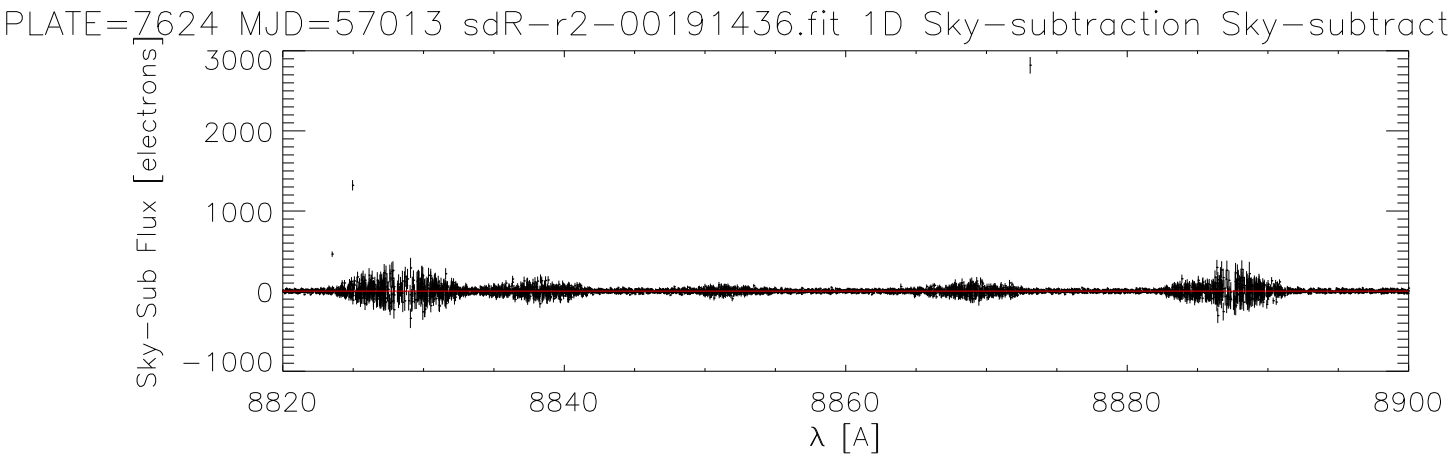

PLATE=7624 MJD=57013 Extraction chi$^2$ for sdR−r2−00191436.fit
BLACK = Final chisq extraction
$\chi^2$
1.0
0.8
0.6
0.4
0.2
0.0
0
1000
2000
3000
4000
Row number


PLATE=7624 MJD=57013 Sky Line Deviations for sdR-r2-00191436.fit
Before shift
After shift
1.00 pix
Fiber Number
0
100
200
300
400
500
5460 5577 6300 6363 6553 6923 6949 7571 7794 7821 8399 8430 8885 8919
Sky Line Wavelength

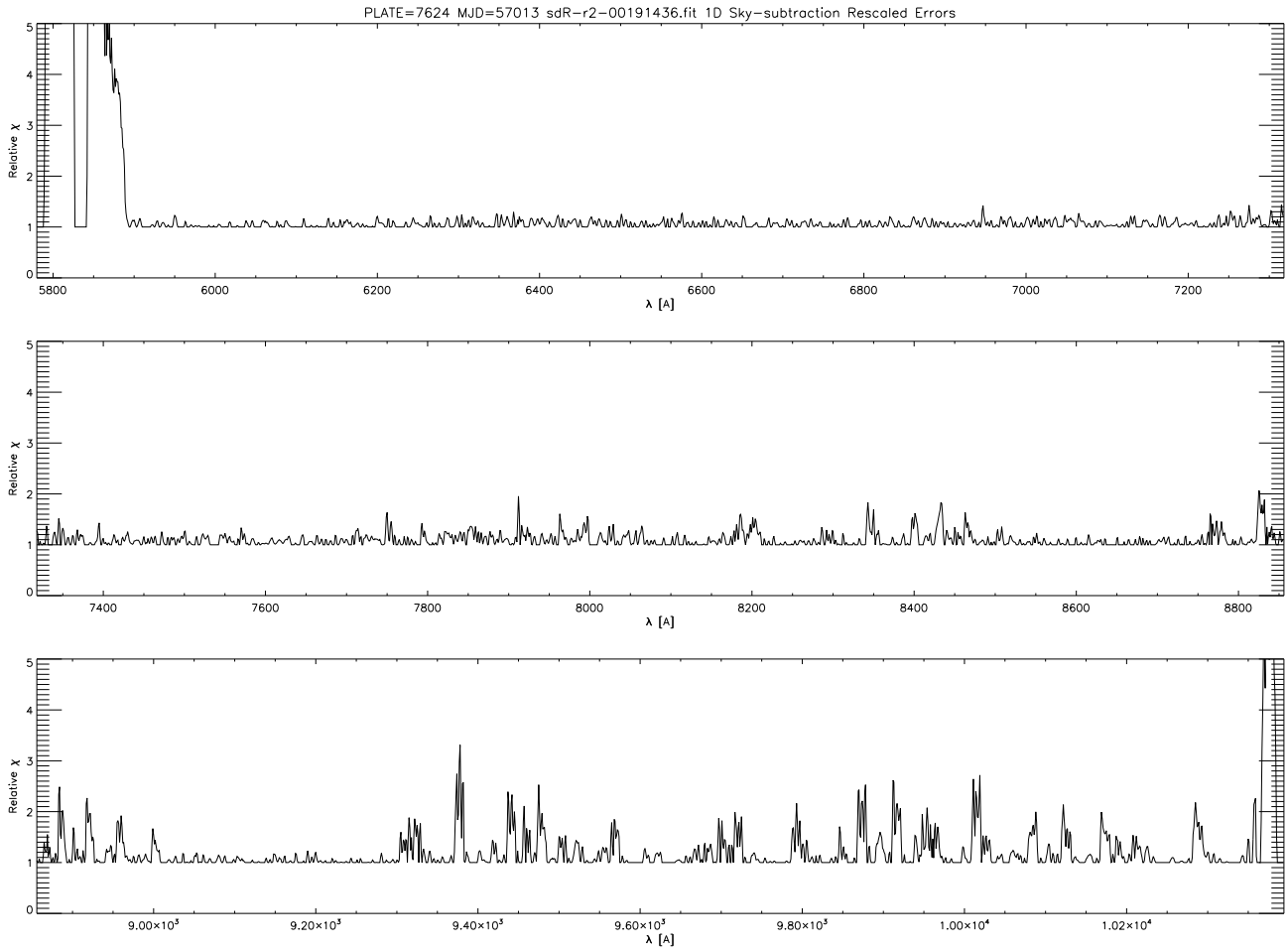

PLATE=7624 MJD=57013 Smooth superflat for sdR-r2-00191436.fit
2.0
1.5
1.0
0.5
0.0
1.04
1.02
1.00
0.98
0.96
6.0×10^3
7.0×10^3
8.0×10^3
9.0×10^3
1.0×10^4
1.1×10^4
Wavelength (Å)

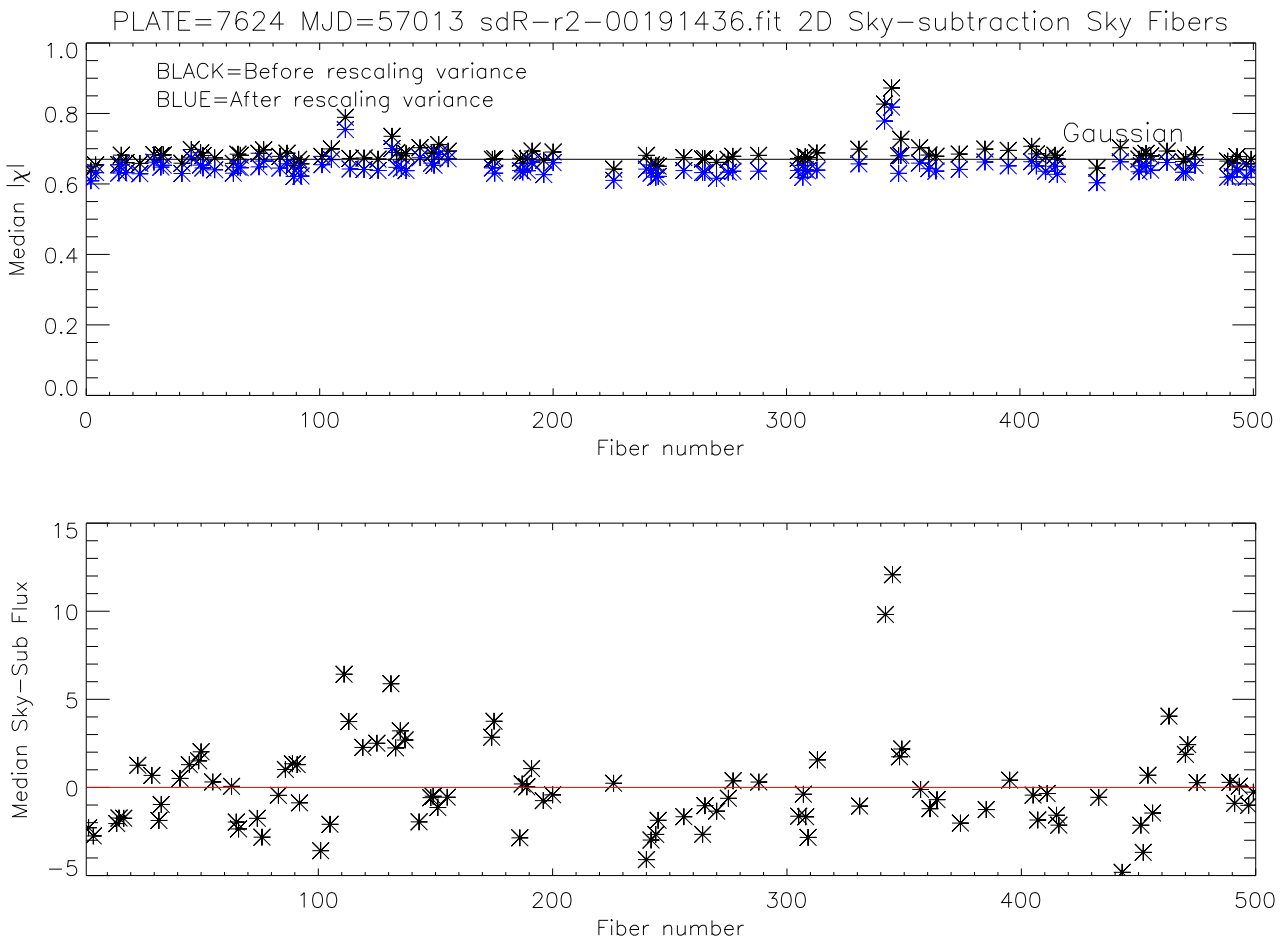

PLATE=7624 MJD=57013 sdR-r2-00191436.fit 1D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

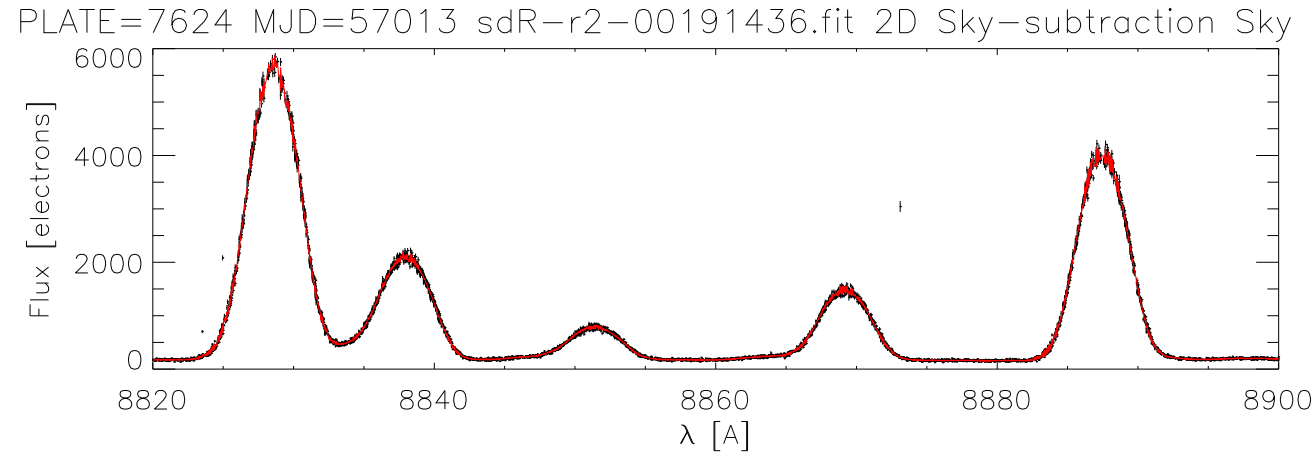

PLATE=7624 MJD=57013 sdR-r2-00191436.fit 1D Sky-subtraction Sky Fibers
Flux [electrons]
6000
4000
2000
0
8820
8840
8860
8880
8900
λ [A]

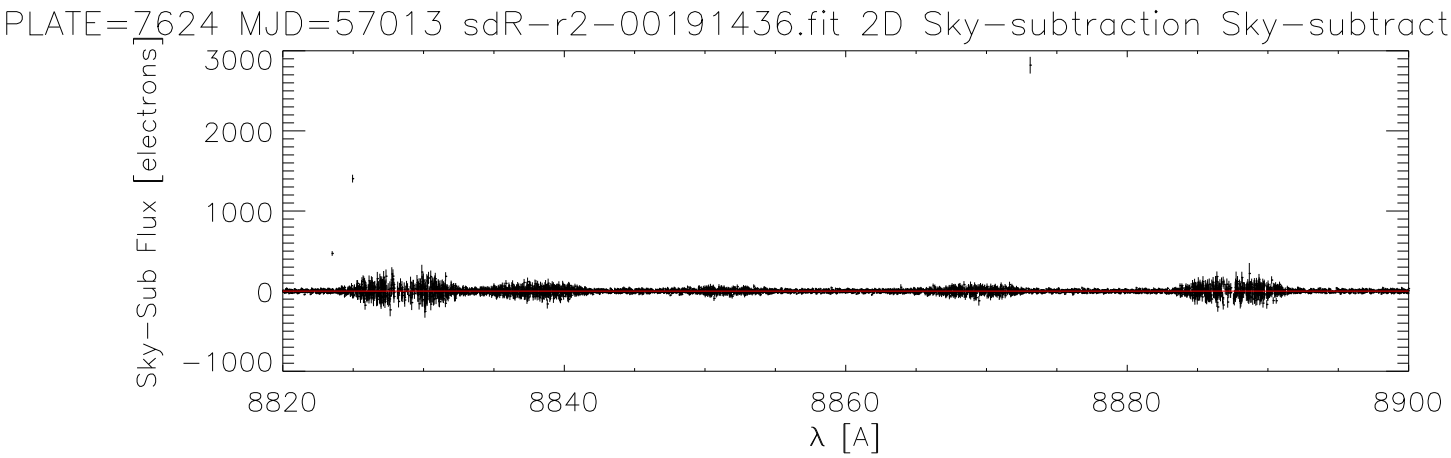

PLATE=7624 MJD=57013 sdR-r2-00191436.fit 1D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
3000
2000
1000
0
-1000
8820
8840
8860
8880
8900
λ [A]

Number of sky fibers = 95

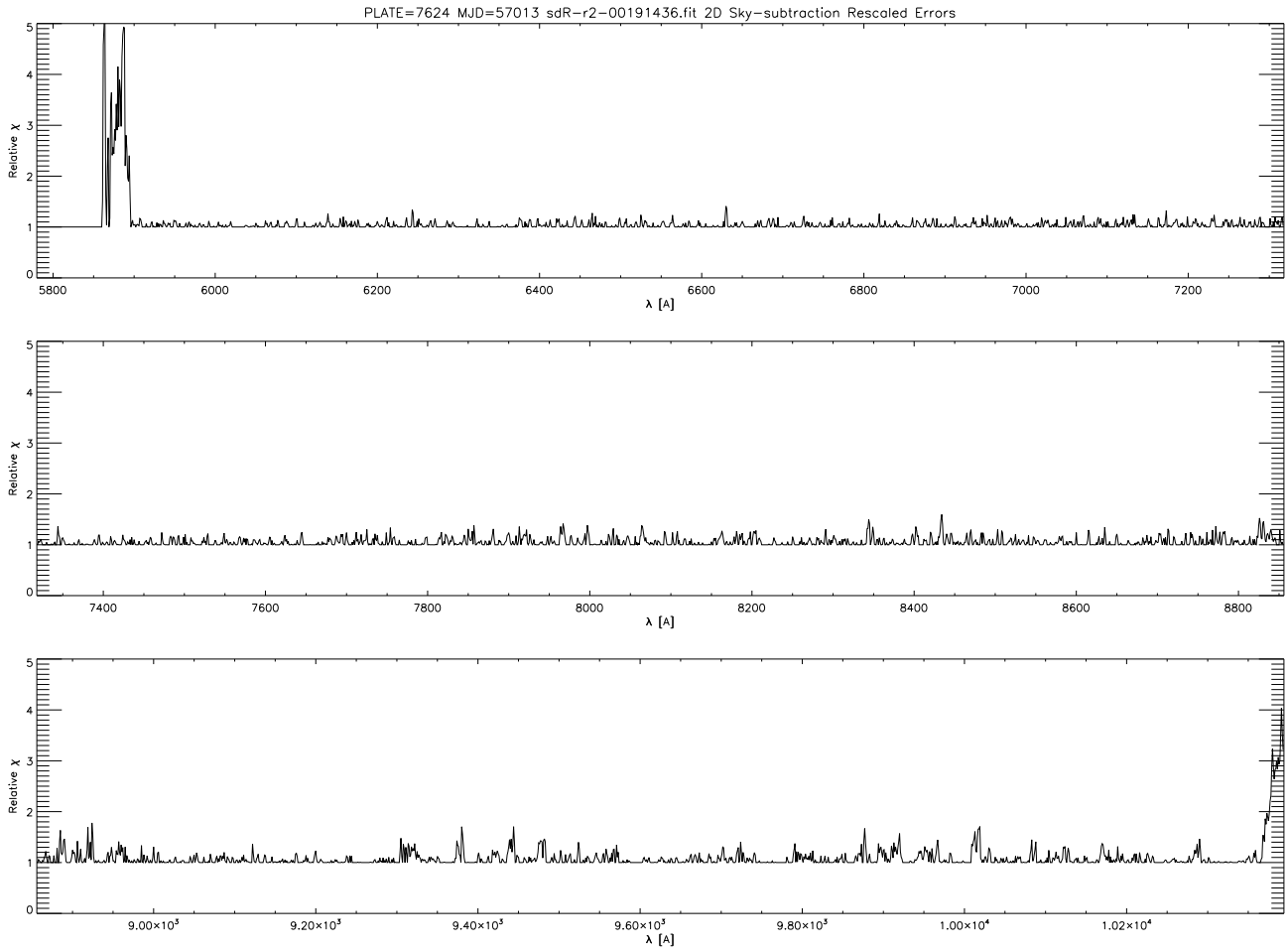


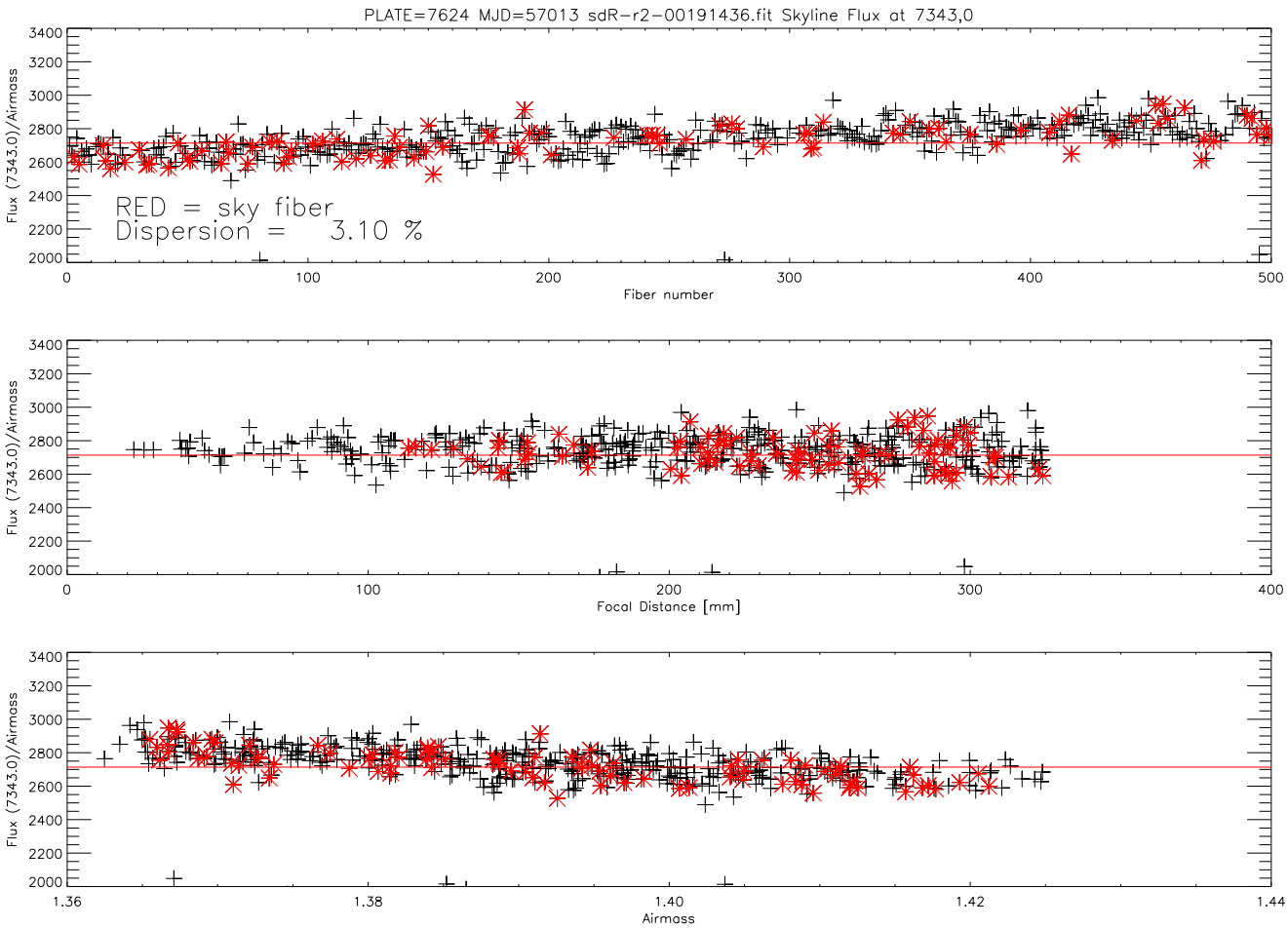

PLATE=7624 MJD=57013 sdR-r2-00191436.fit 2D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

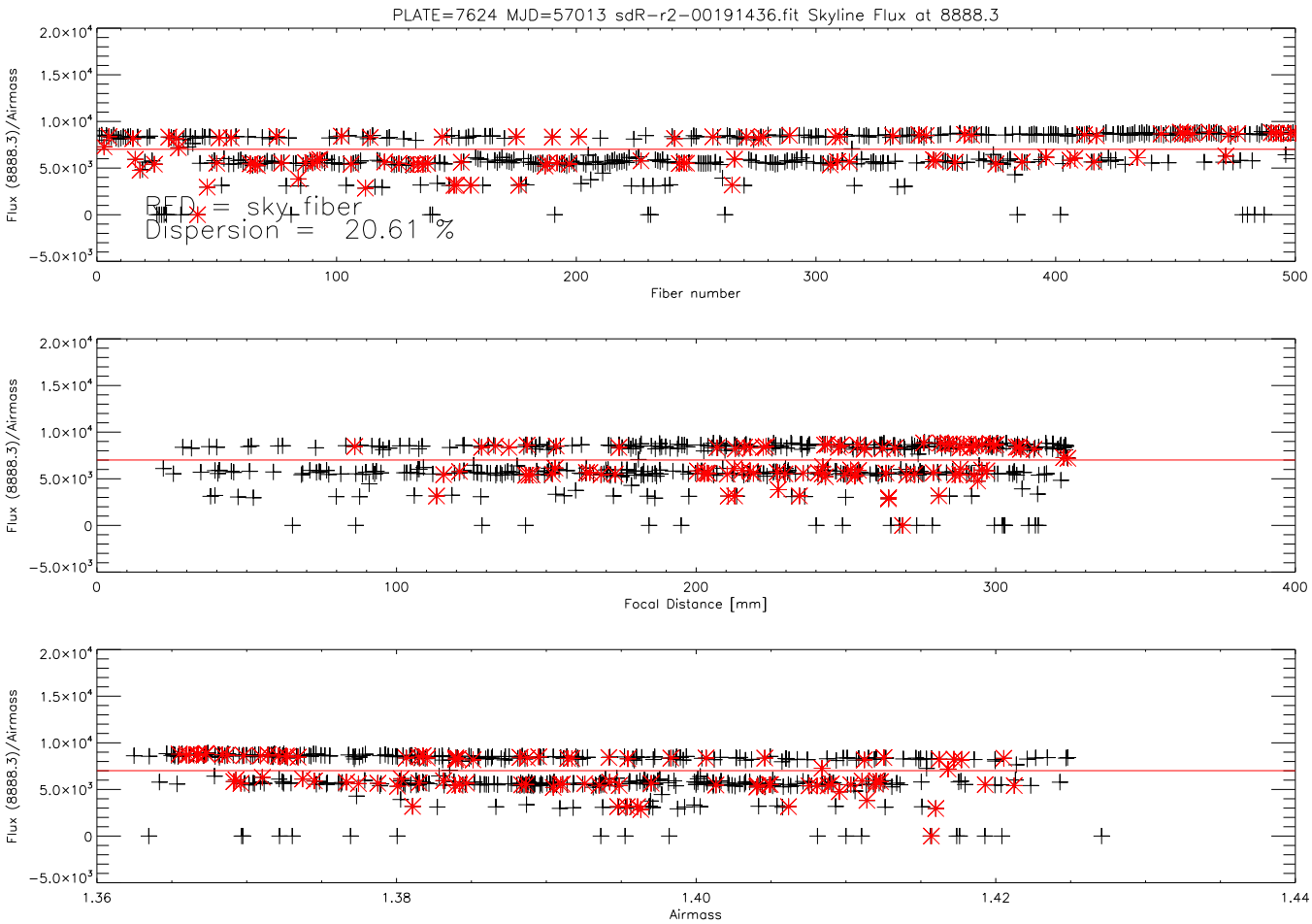

PLATE=7624 MJD=57013 sdR-r2-00191436.fit 2D Sky-subtraction Sky Fibers
Flux [electrons]
6000
4000
2000
0
8820
8840
8860
8880
8900
λ [A]


PLATE=7624 MJD=57013 sdR-r2-00191436.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 = 95




PLATE=7624 MJD=57013 sdR-r2-00191436.fit Skyline Flux at 7343,0
Flux (7343.0)/Airmass
RED = sky fiber
Dispersion = 3.10 %
Fiber number
Flux (7343.0)/Airmass
Focal Distance [mm]
Flux (7343.0)/Airmass
Airmass


PLATE=7624 MJD=57013 sdR-r2-00191436.fit Skyline Flux at 8888.3
Flux (8888.3)/Airmass
Fiber number
RED = sky+fiber
Dispersion = 20.61 %
Flux (8888.3)/Airmass
Focal Distance [mm]
Flux (8888.3)/Airmass
Airmass