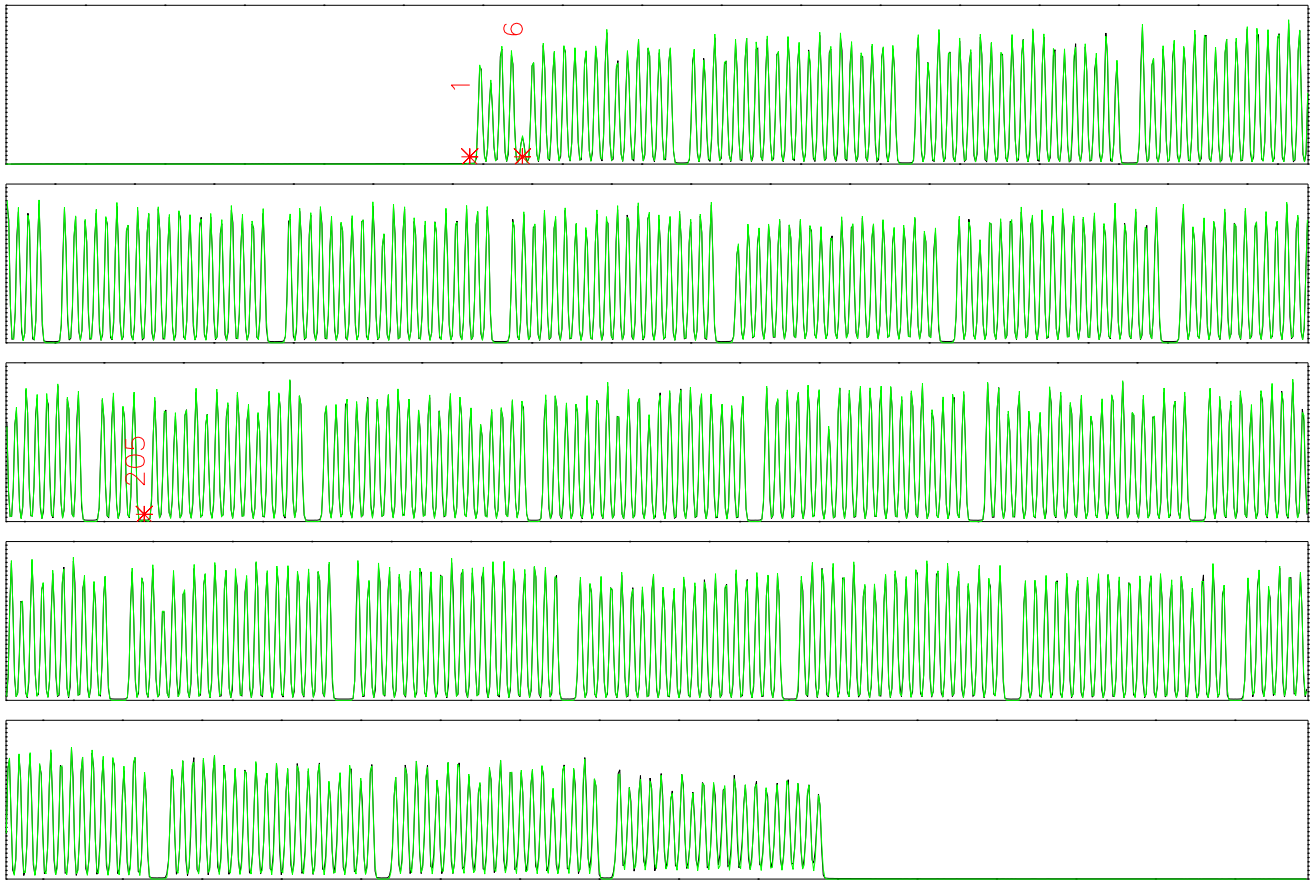
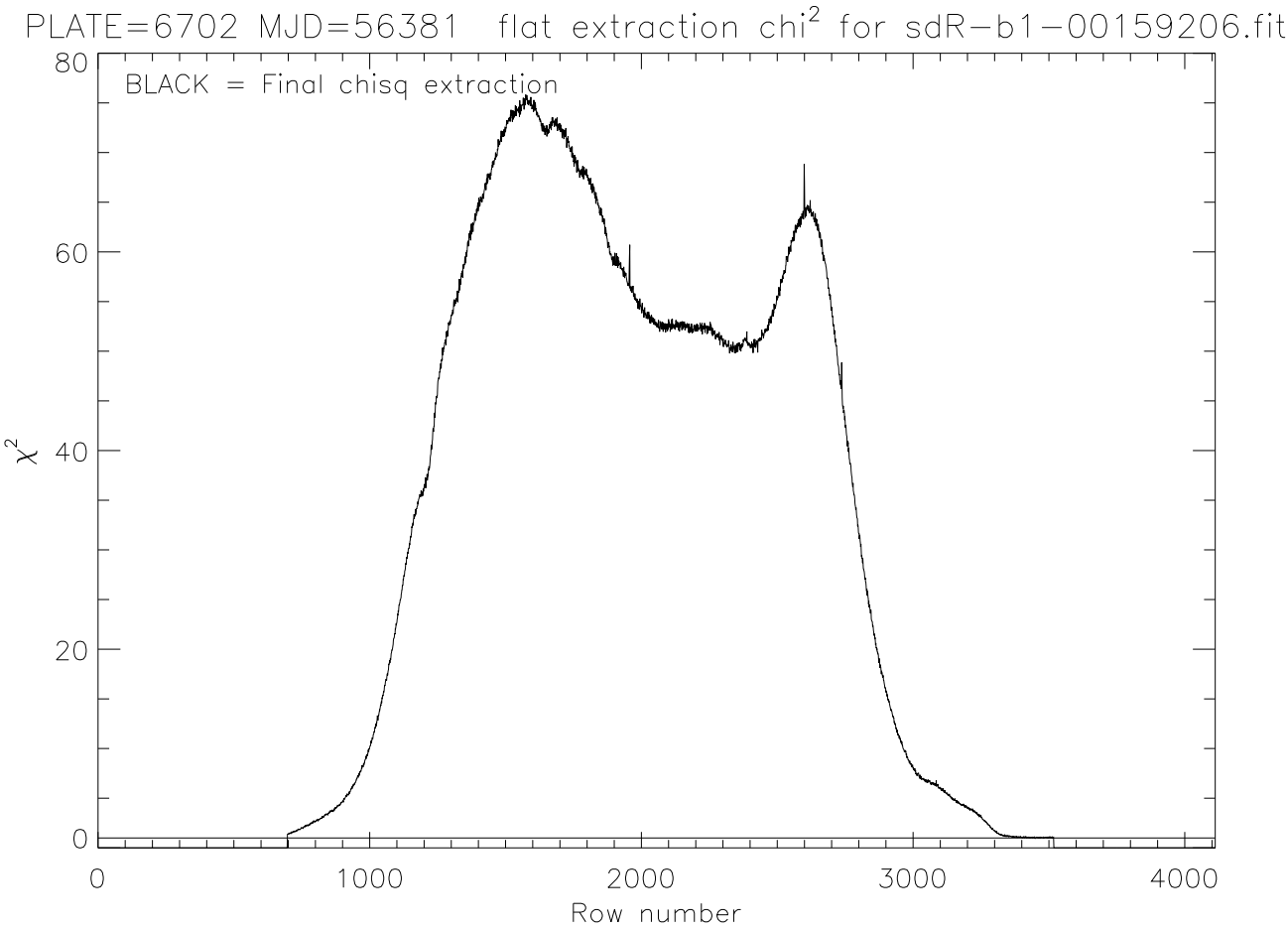
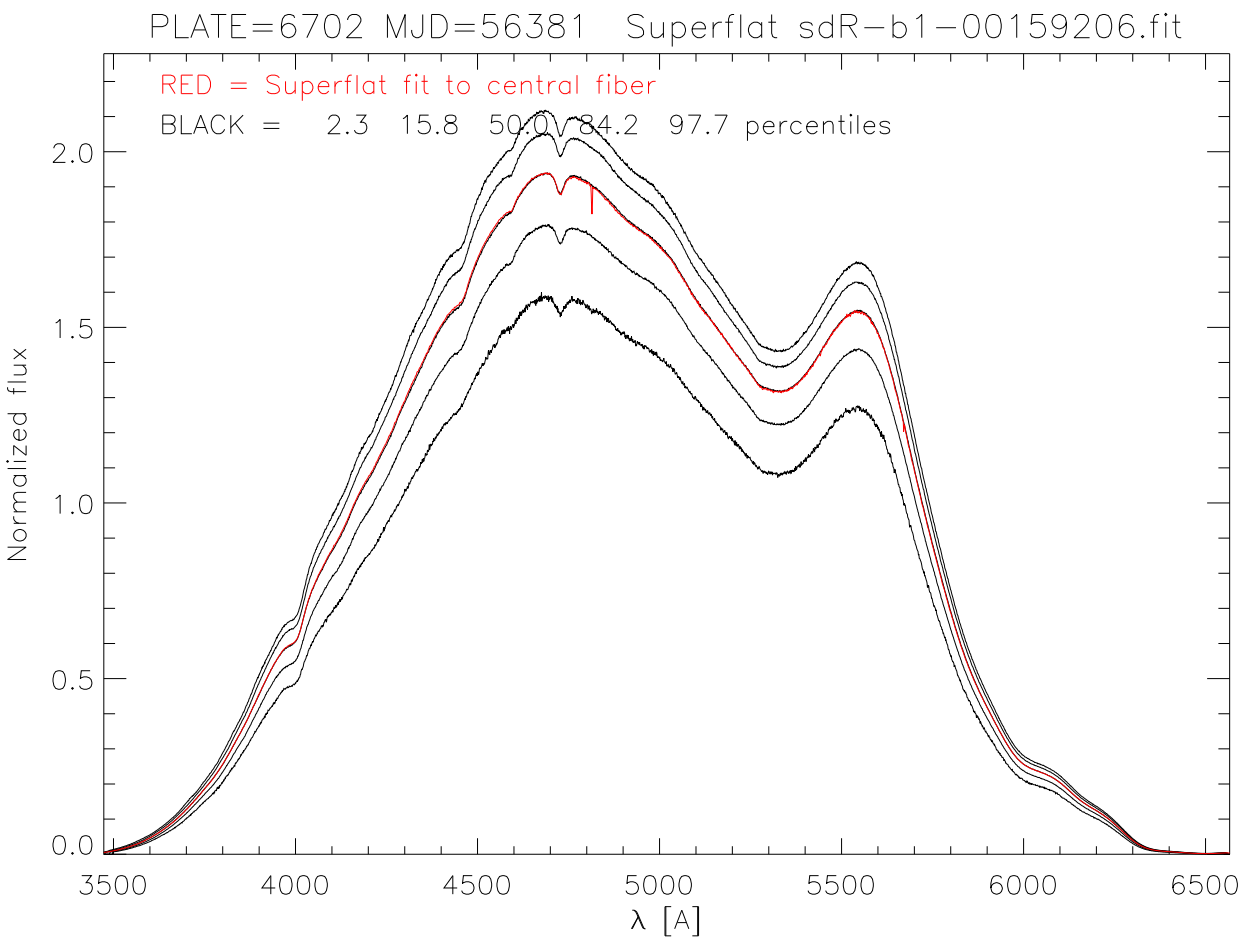
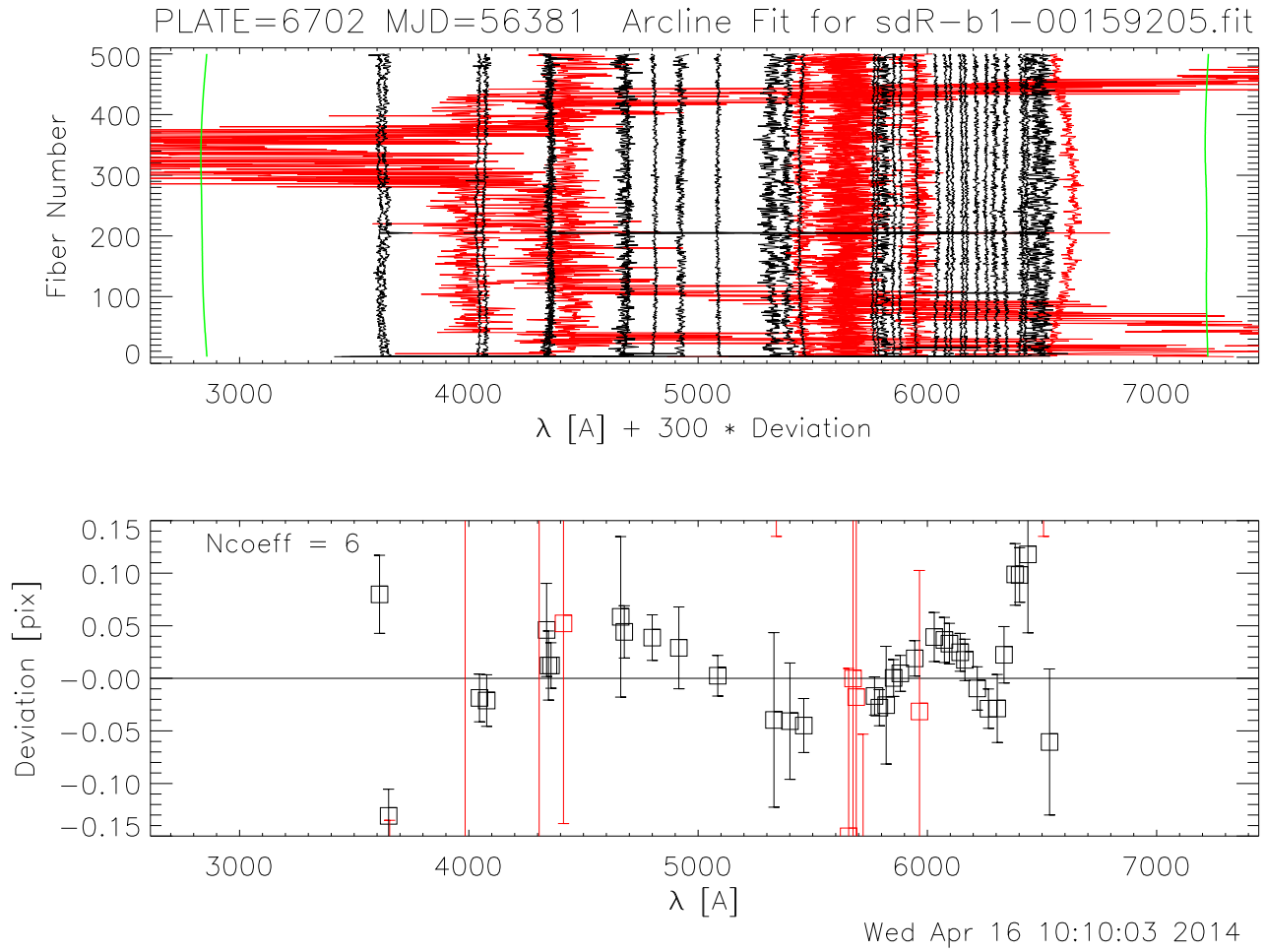
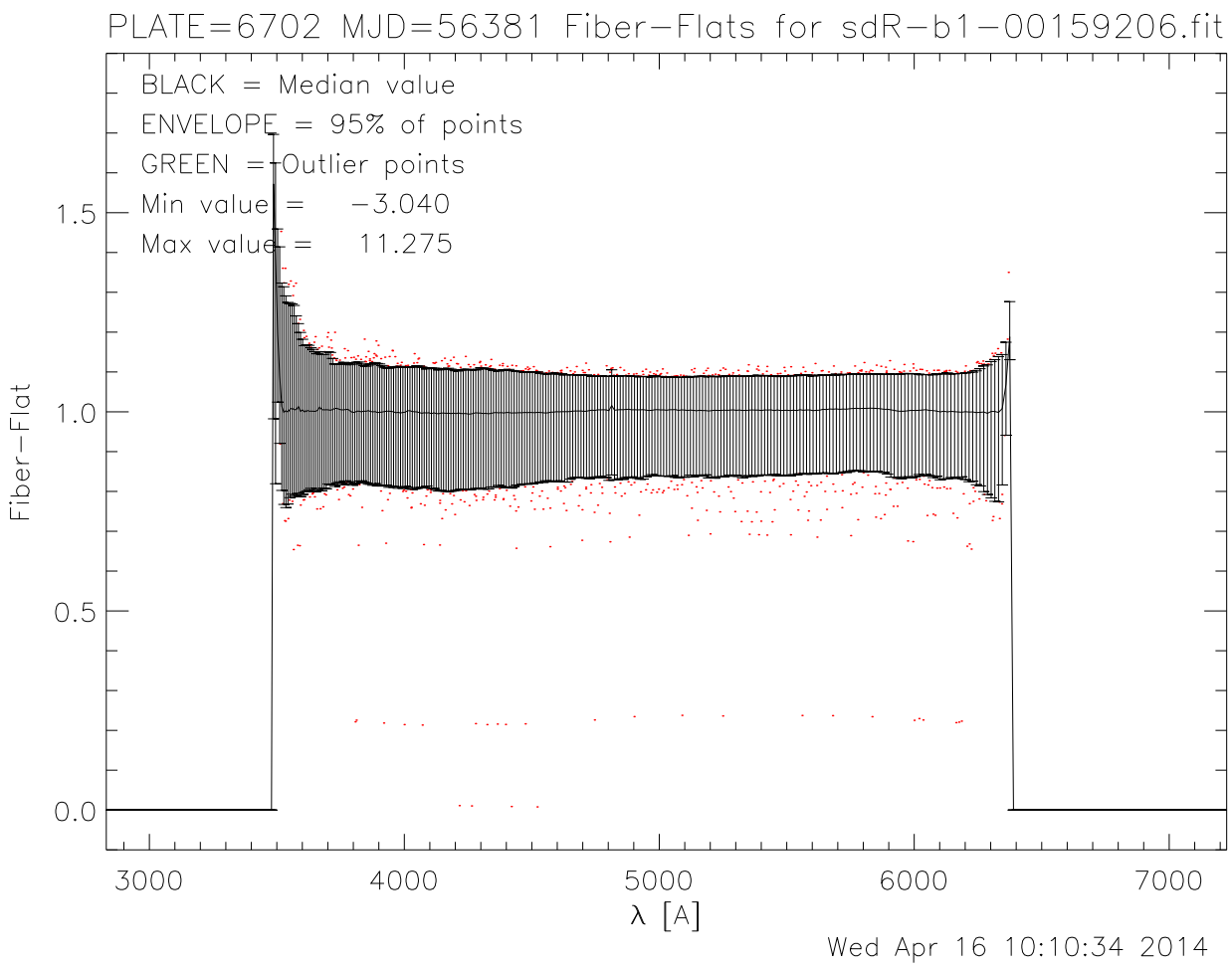
PLATE=6702 MJD=56381 Traces sdR-b1-00159206.fit

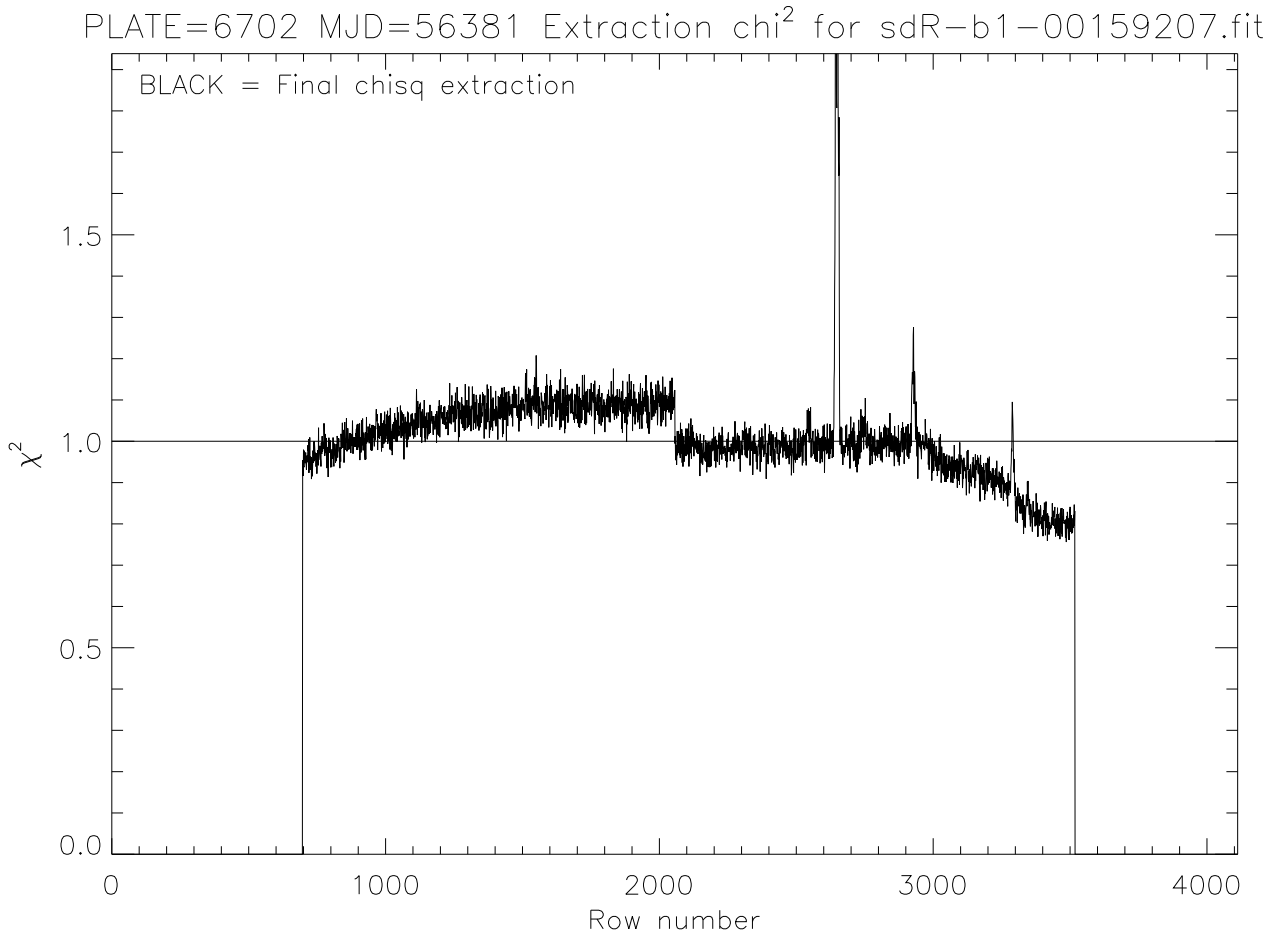


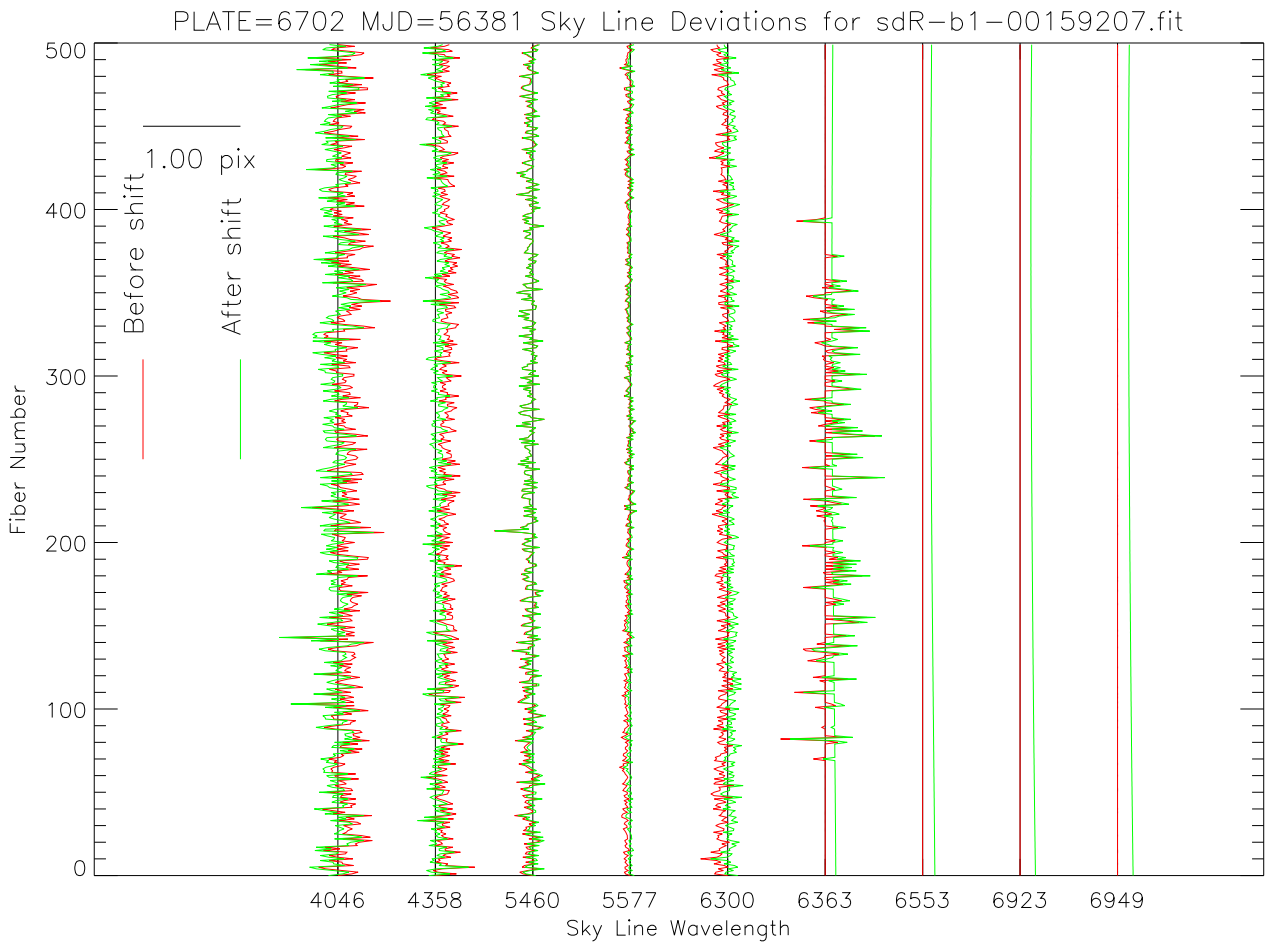

PLATE=6702 MJD=56381 flat extraction chi^2 for sdR−b1−00159206.fit
BLACK = Final chisq extraction
χ^2
0
20
40
60
80
0
1000
2000
3000
4000
Row number

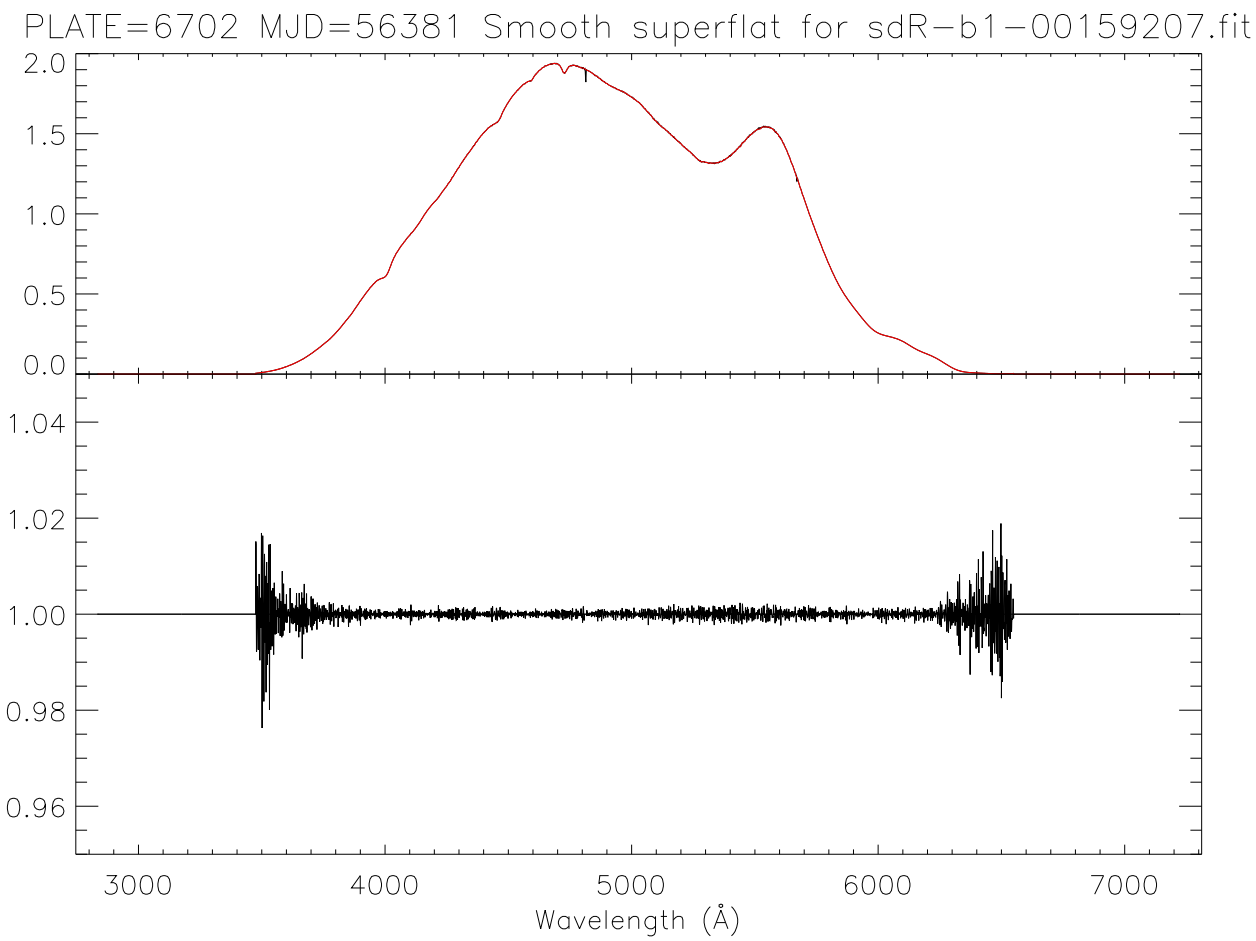

PLATE=6702 MJD=56381 Superflat sdR-b1-00159206.fit
RED = Superflat fit to central fiber
BLACK = 2.3 15.8 50.0 84.2 97.7 percentiles
Normalized flux
λ [A]
0.0
0.5
1.0
1.5
2.0
3500
4000
4500
5000
5500
6000
6500

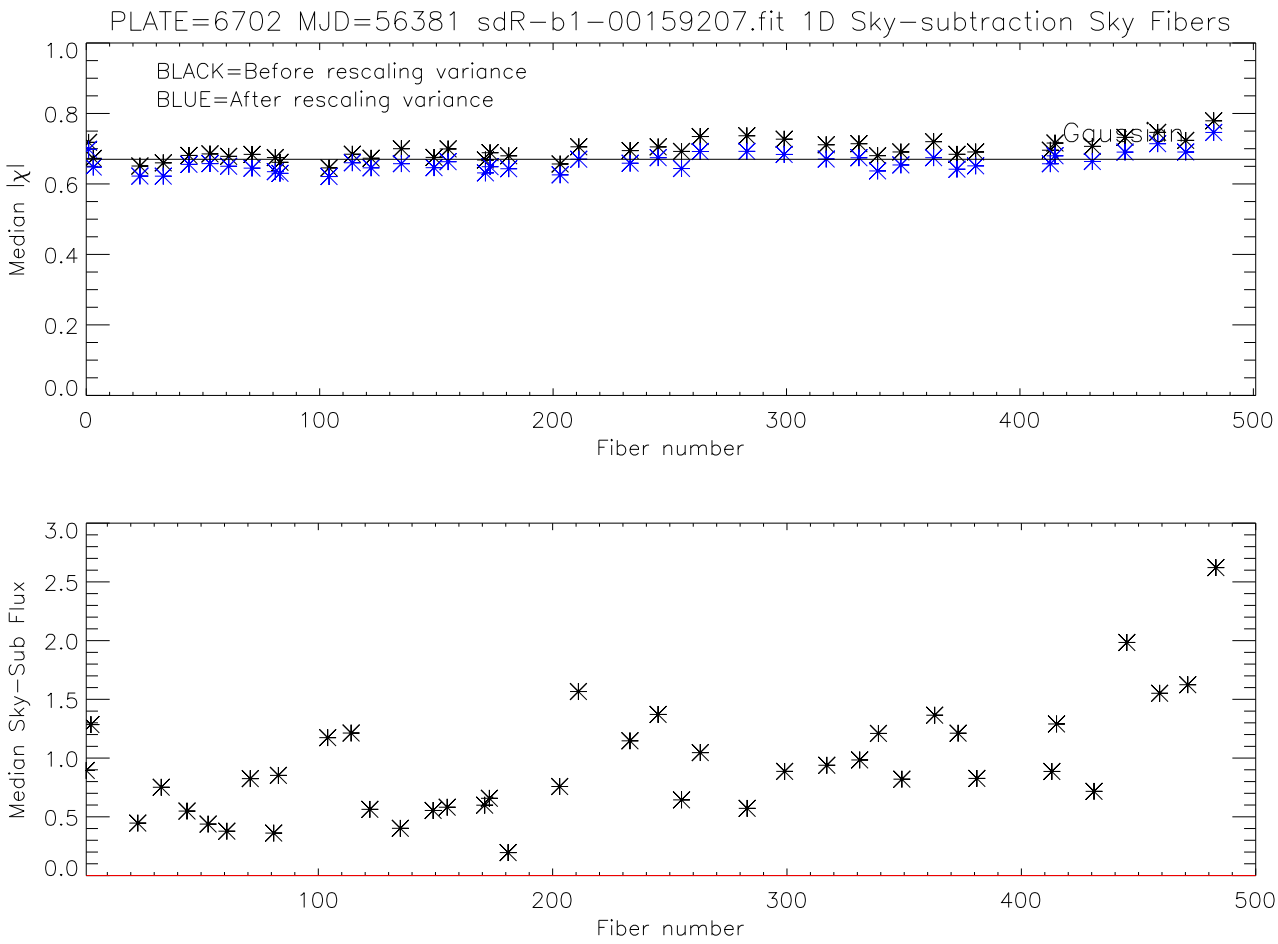

PLATE=6702 MJD=56381 Arcline Fit for sdR-b1-00159205.fit
Fiber Number
500
400
300
200
100
0
3000
4000
5000
6000
7000
λ [A] + 300 * Deviation
Ncoeff = 6
Deviation [pix]
0.15
0.10
0.05
−0.00
−0.05
−0.10
−0.15
3000
4000
5000
6000
7000
λ [A]
Wed Apr 16 10:10:03 2014

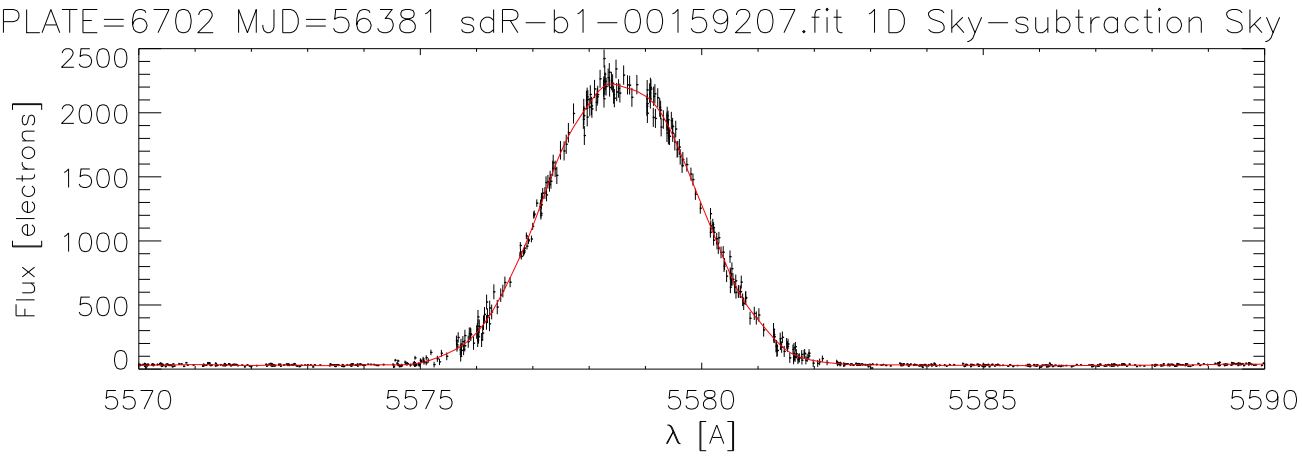

PLATE=6702 MJD=56381 Fiber−Flats for sdR−b1−00159206.fit
BLACK = Median value
ENVELOPE = 95% of points
GREEN = Outlier points
Min value = −3.040
Max value = 11.275
Fiber−Flat
1.5
1.0
0.5
0.0
3000
4000
5000
6000
7000
λ [A]
Wed Apr 16 10:10:34 2014

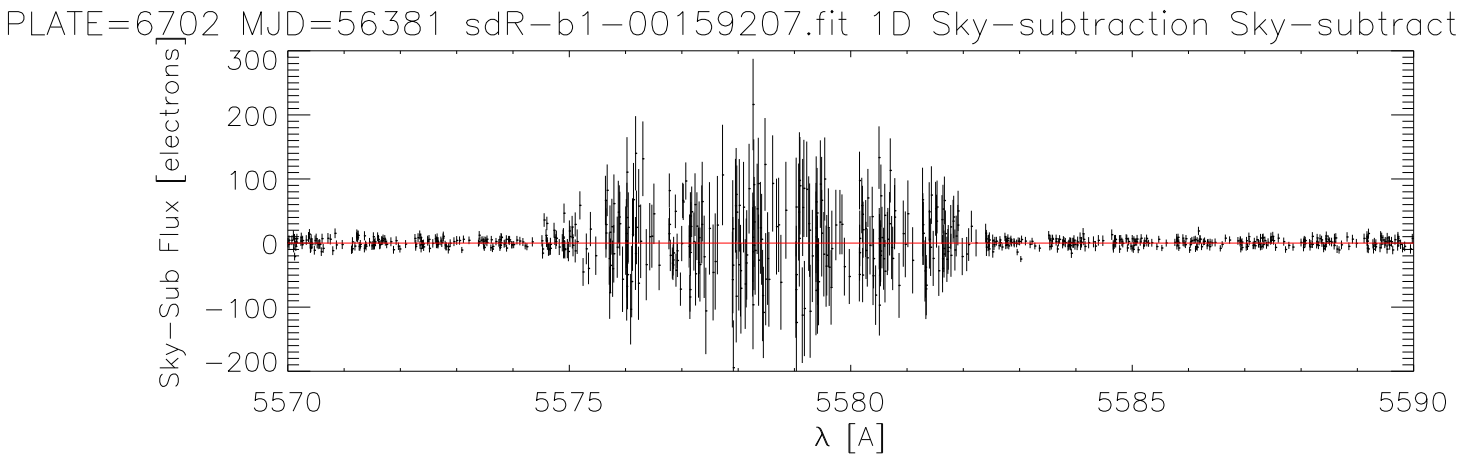

PLATE=6702 MJD=56381 Extraction chi^2 for sdR−b1−00159207.fit
BLACK = Final chisq extraction
χ^2
1.5
1.0
0.5
0.0
0
1000
2000
3000
4000
Row number


PLATE=6702 MJD=56381 Sky Line Deviations for sdR-b1-00159207.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

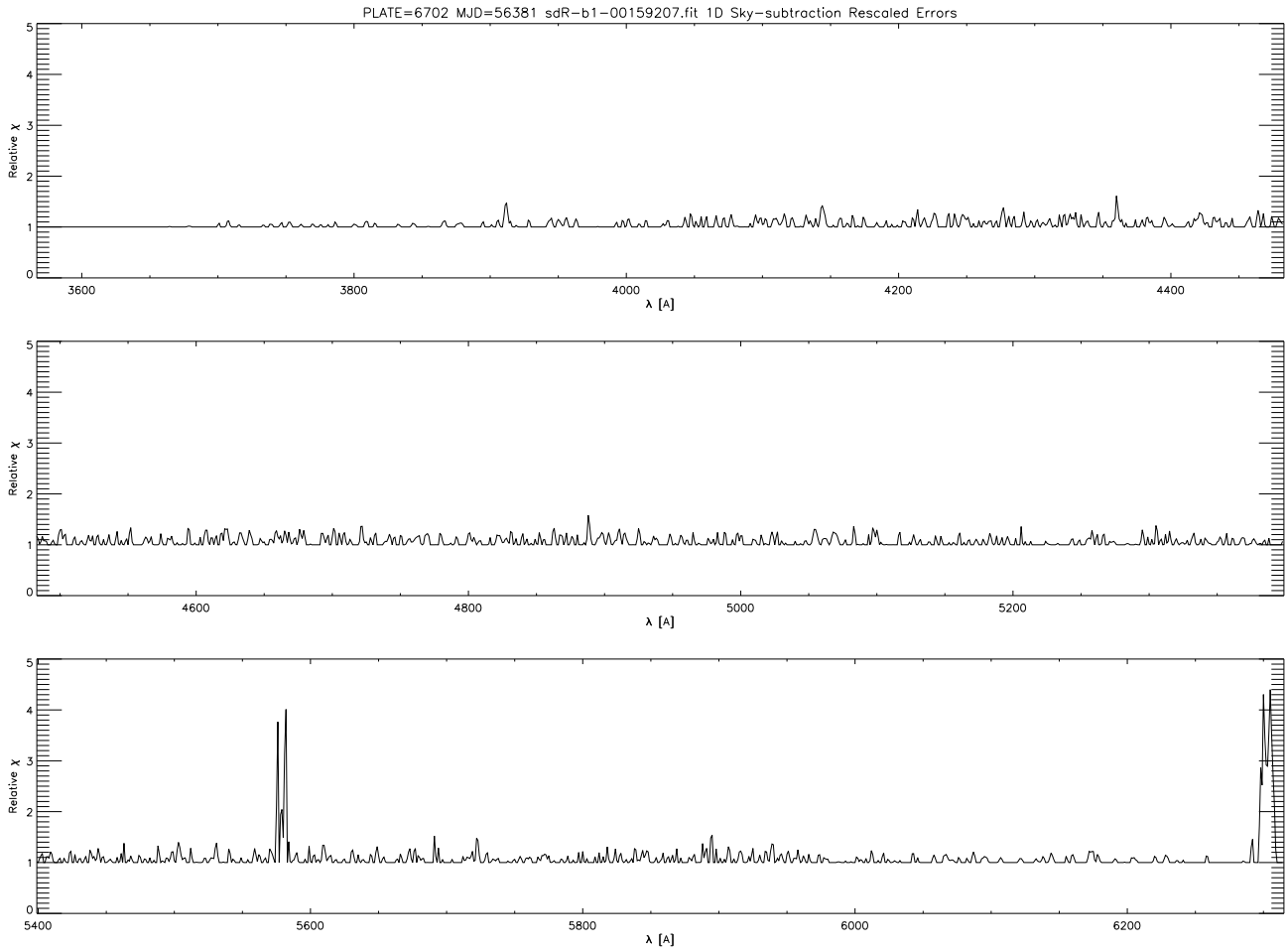

PLATE=6702 MJD=56381 Smooth superflat for sdR-b1-00159207.fit
2.0
1.5
1.0
0.5
0.0
1.04
1.02
1.00
0.98
0.96
3000
4000
5000
6000
7000
Wavelength (Å)

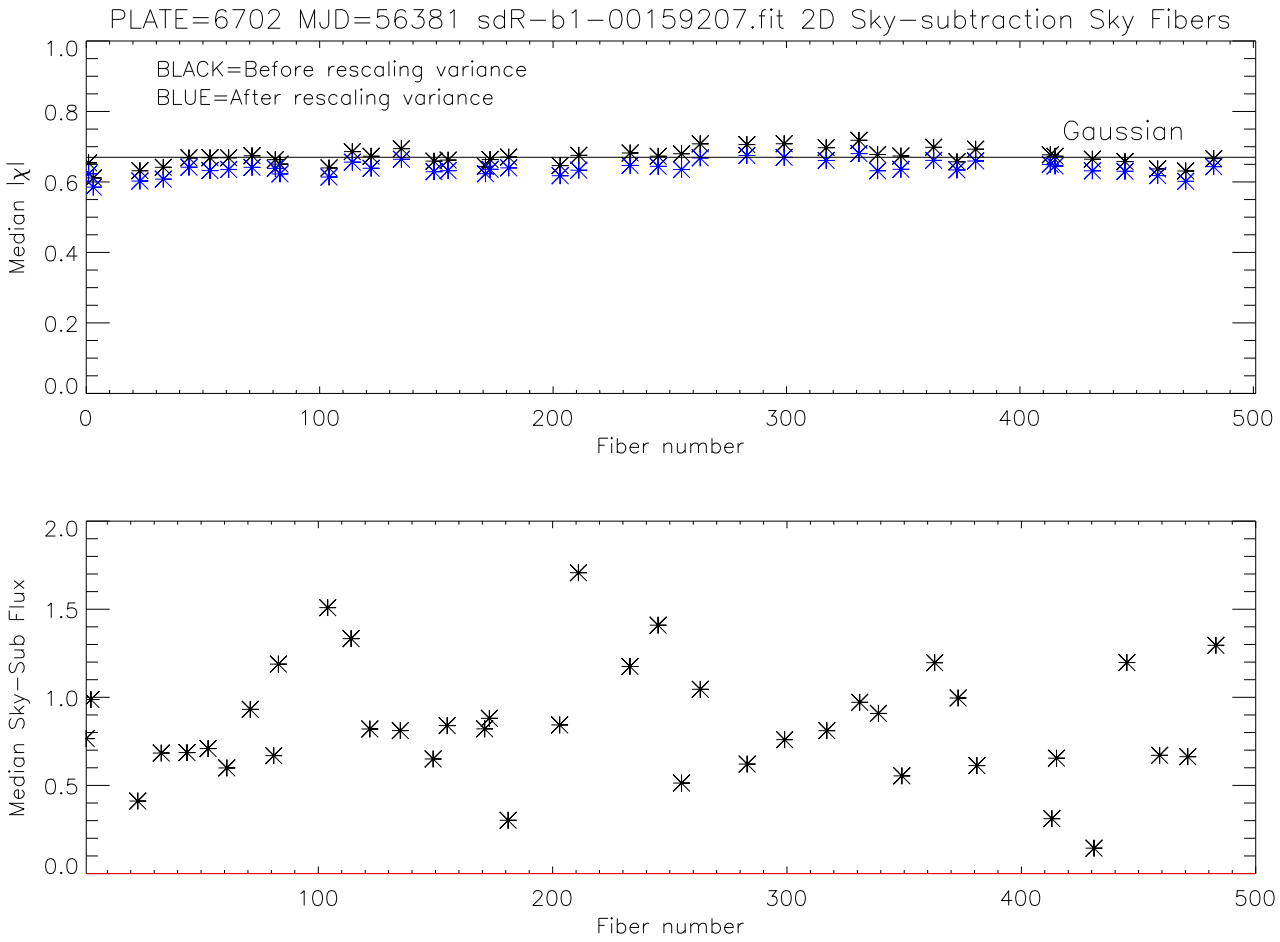

PLATE=6702 MJD=56381 sdR-b1-00159207.fit 1D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

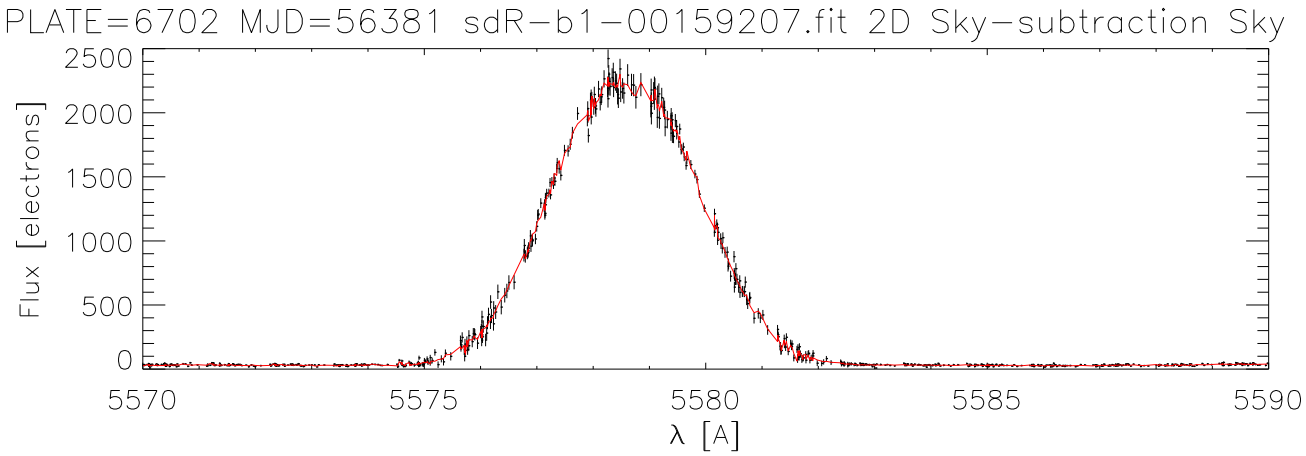

PLATE=6702 MJD=56381 sdR-b1-00159207.fit 1D Sky-subtraction Sky Fibers
Flux [electrons]
2500
2000
1500
1000
500
0
5570
5575
5580
5585
5590
λ [A]

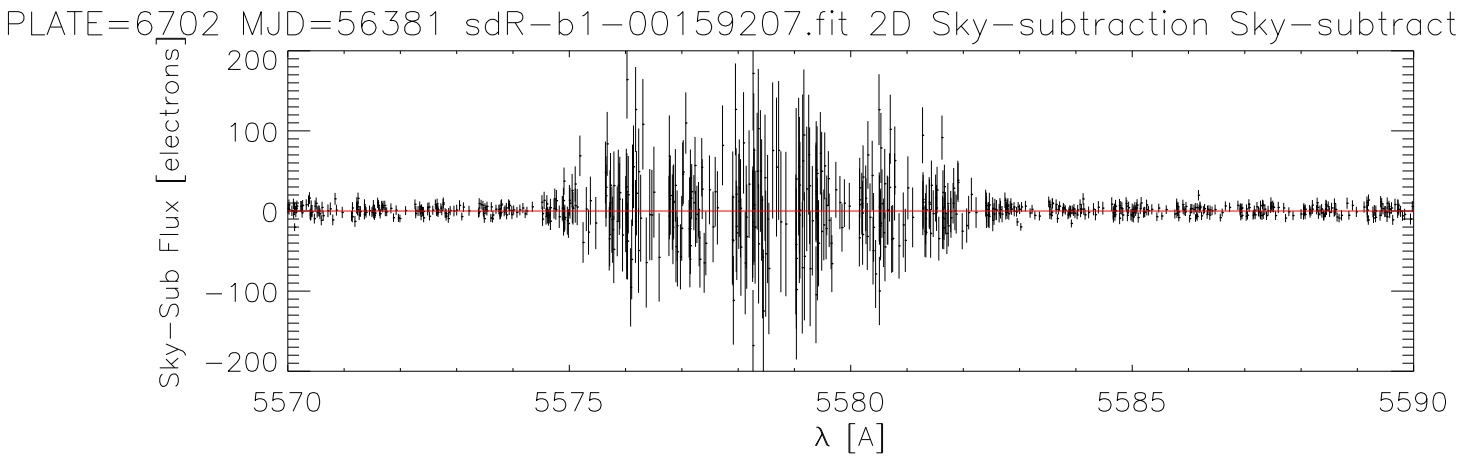

PLATE=6702 MJD=56381 sdR-b1-00159207.fit 1D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
300
200
100
0
-100
-200
5570
5575
5580
5585
5590
λ [A]

Number of sky fibers = 41

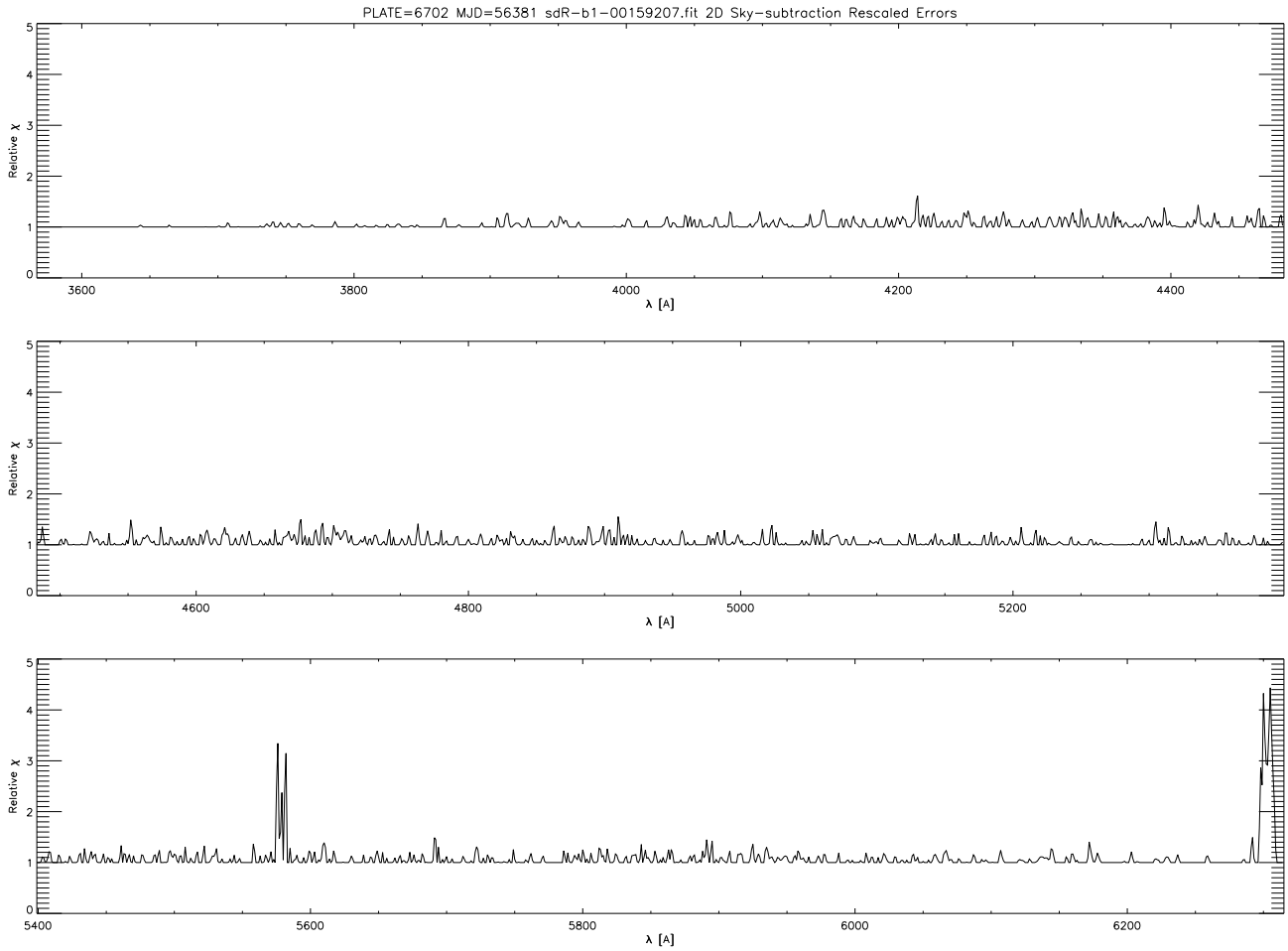


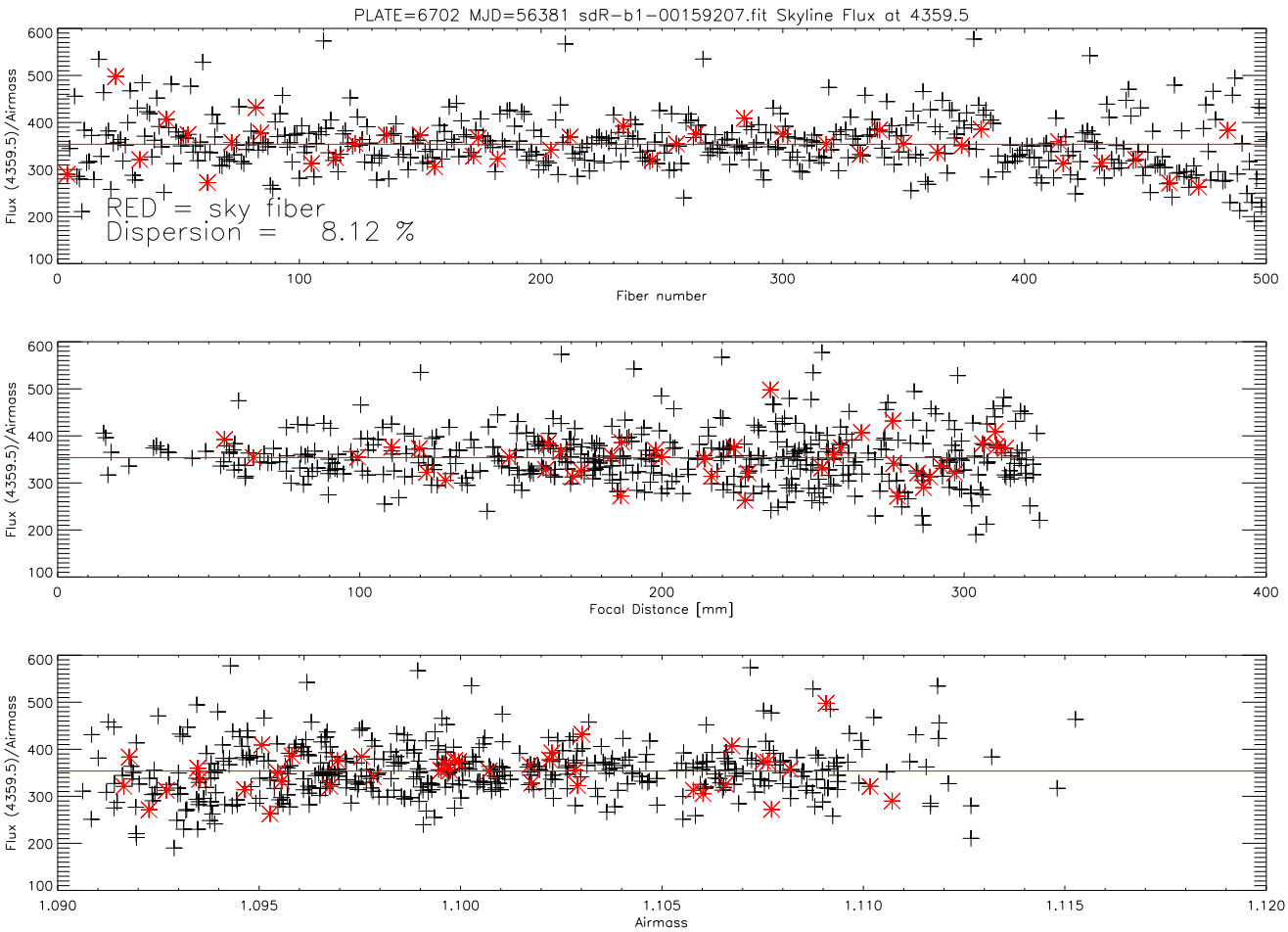

PLATE=6702 MJD=56381 sdR-b1-00159207.fit 2D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

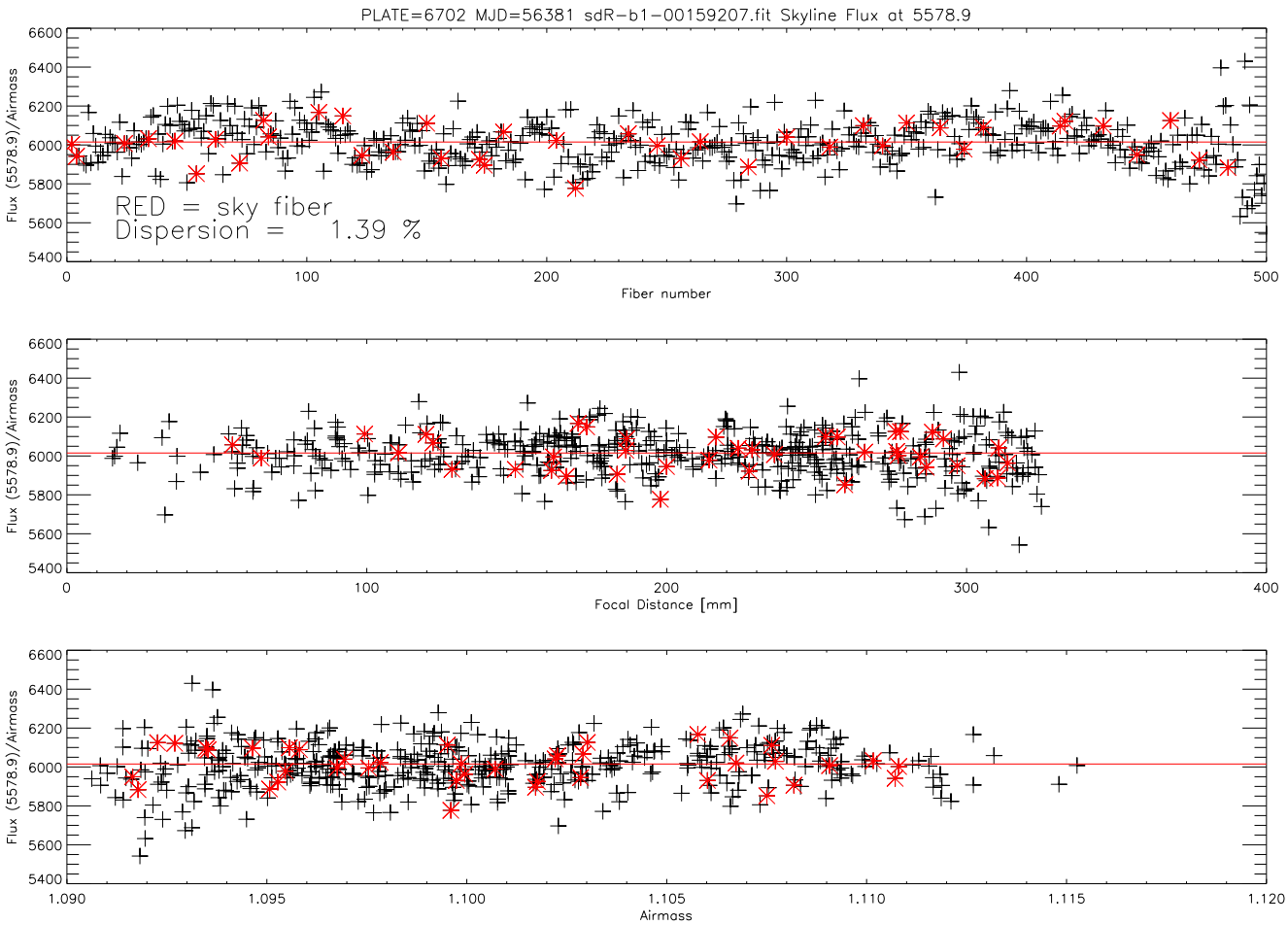

PLATE=6702 MJD=56381 sdR-b1-00159207.fit 2D Sky-subtraction Sky Fibers
Flux [electrons]
2500
2000
1500
1000
500
0
5570
5575
5580
5585
5590
λ [A]

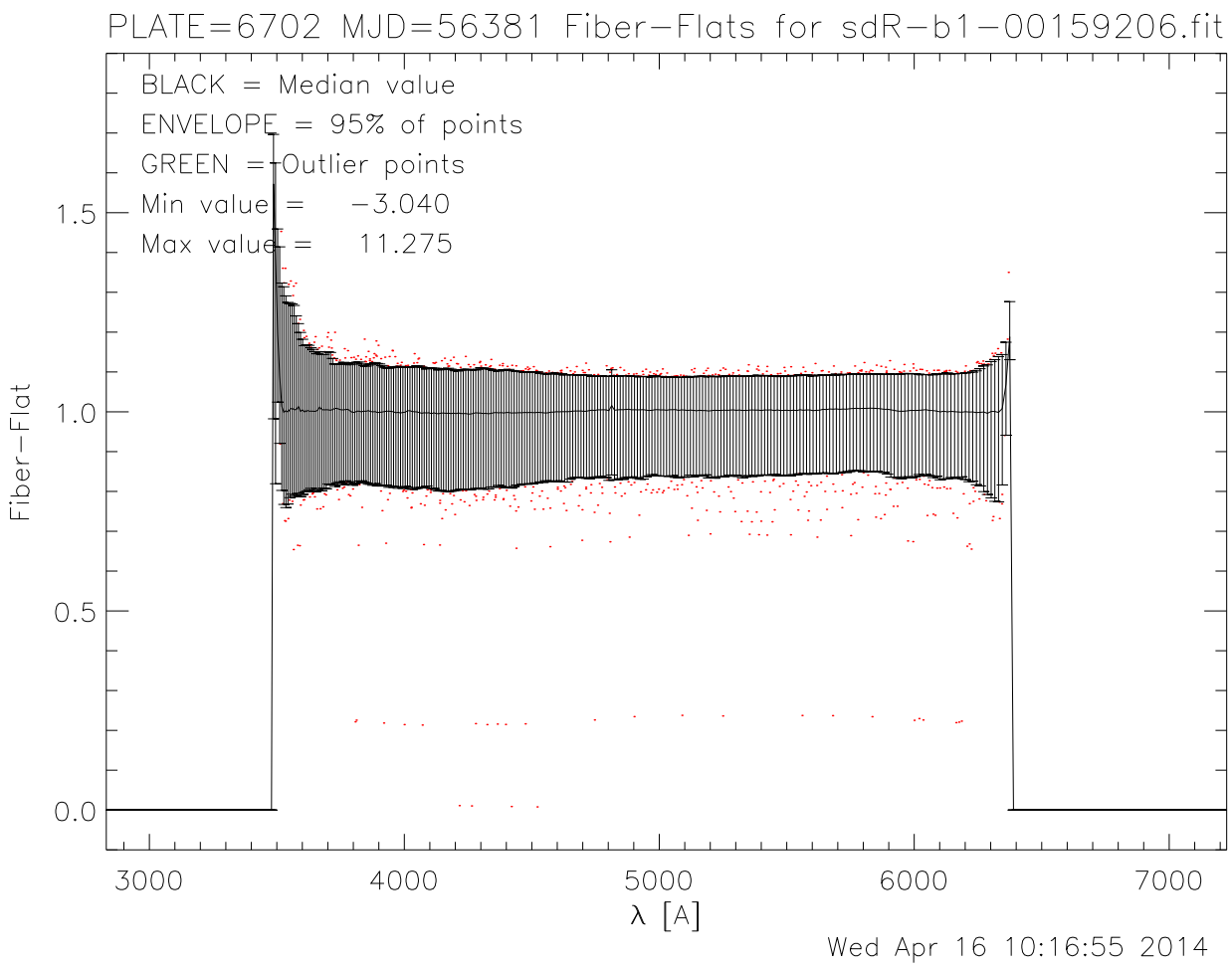

PLATE=6702 MJD=56381 sdR-b1-00159207.fit 2D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
200
100
0
-100
-200
5570
5575
5580
5585
5590
λ [A]

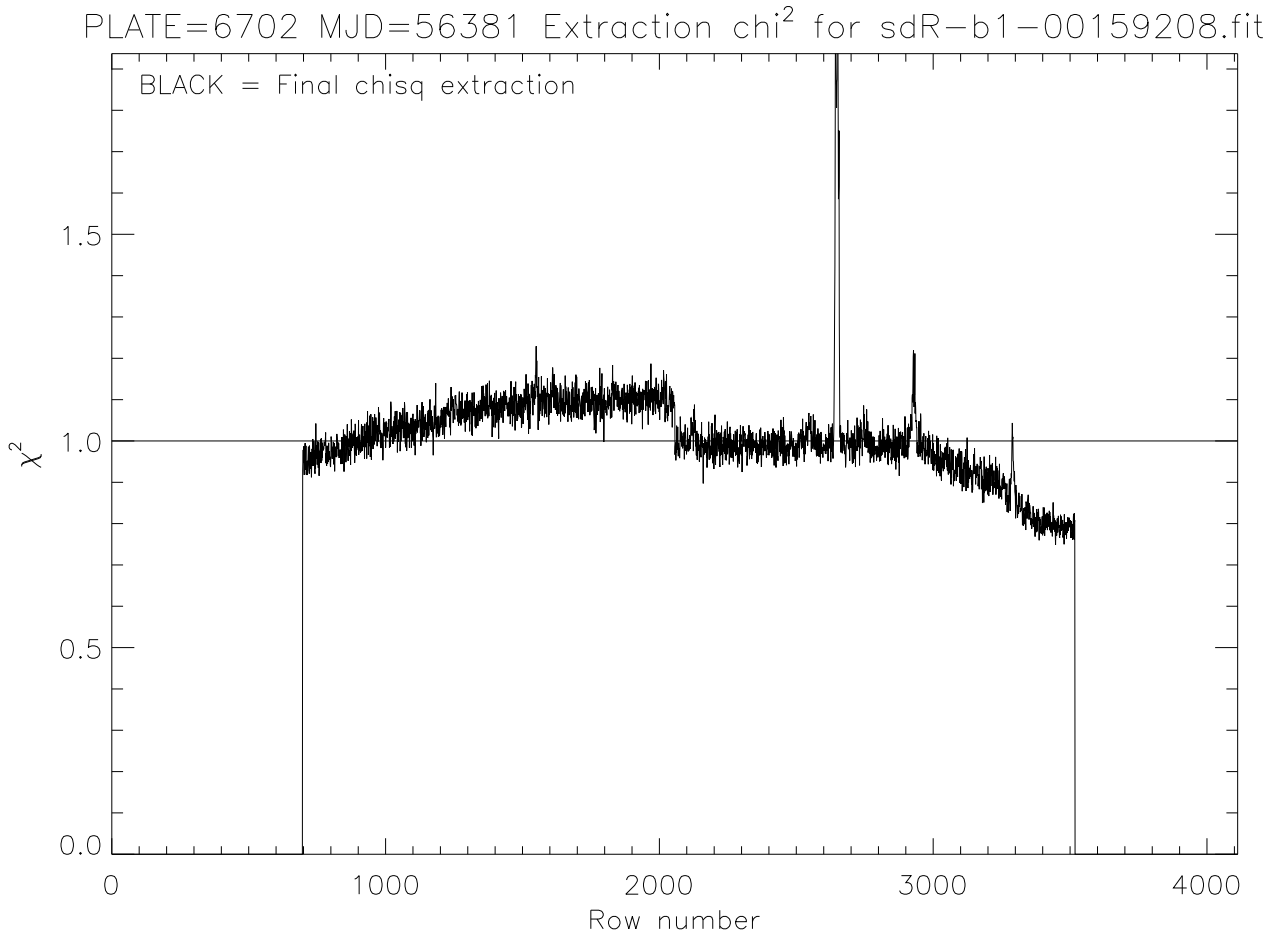
Number of sky fibers = 41

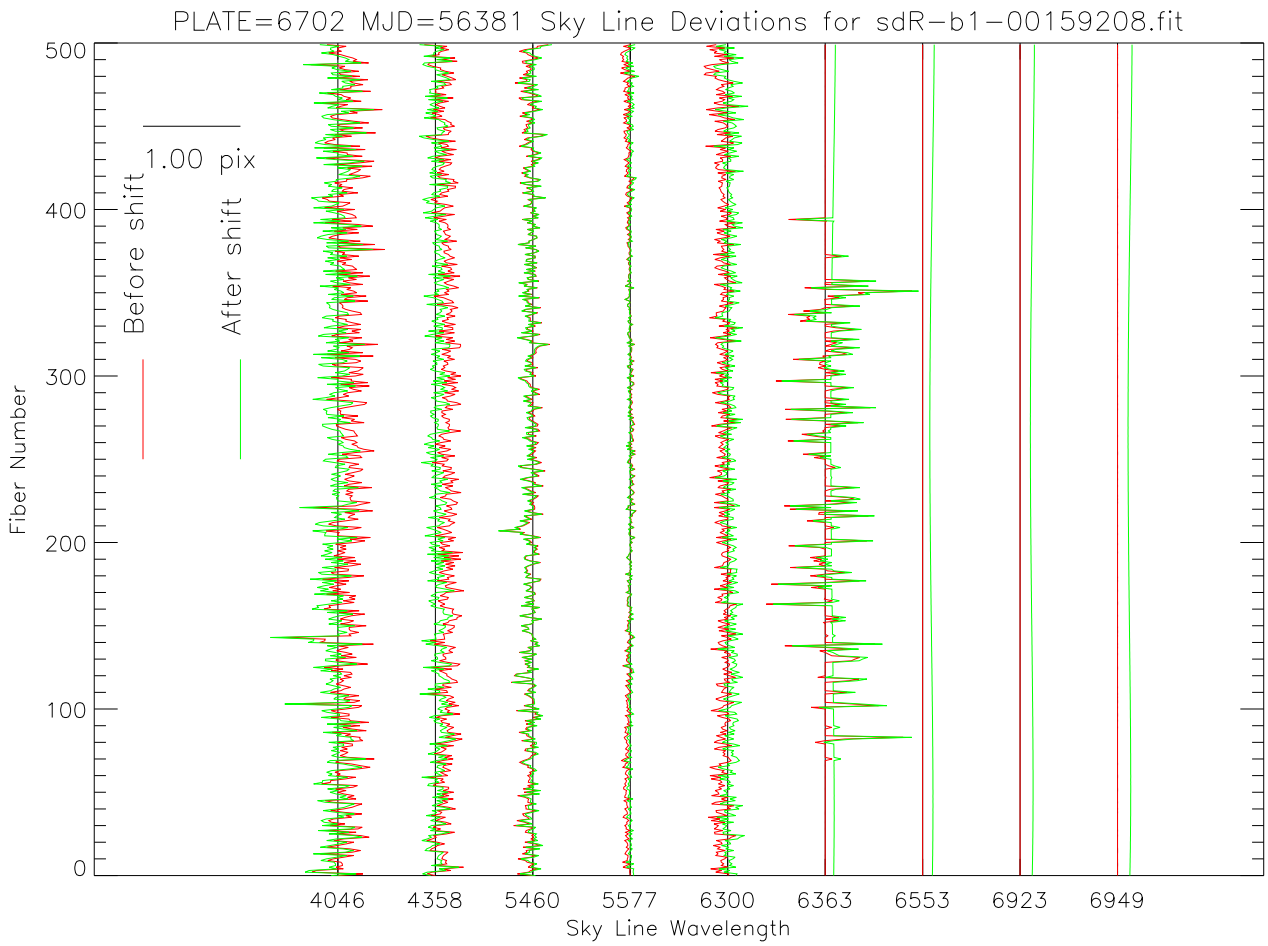


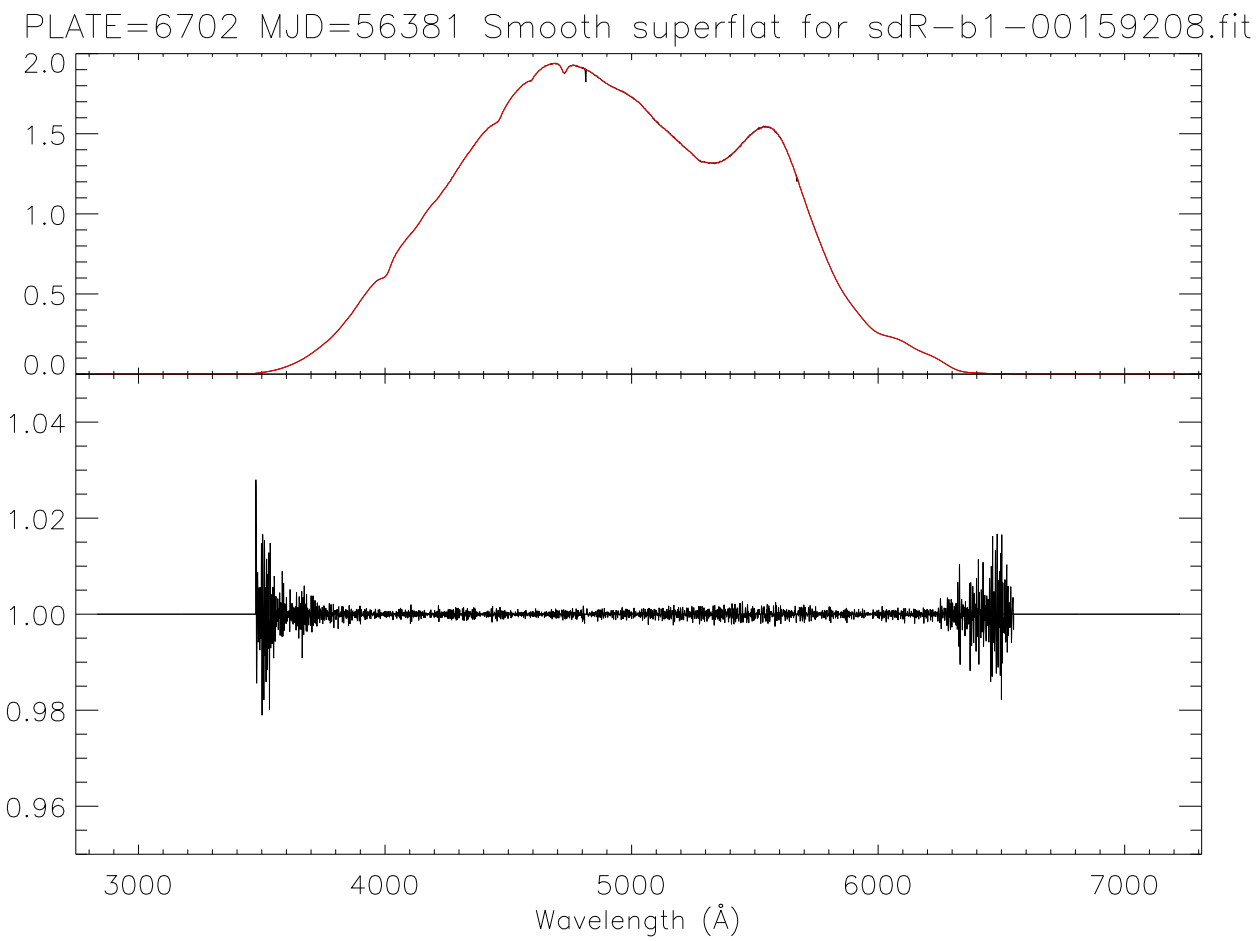

PLATE=6702 MJD=56381 sdR-b1-00159207.fit Skyline Flux at 4359.5
Flux (4359.5)/Airmass
Fiber number
RED = sky fiber
Dispersion = 8.12 %
Flux (4359.5)/Airmass
Focal Distance [mm]
Flux (4359.5)/Airmass
Airmass

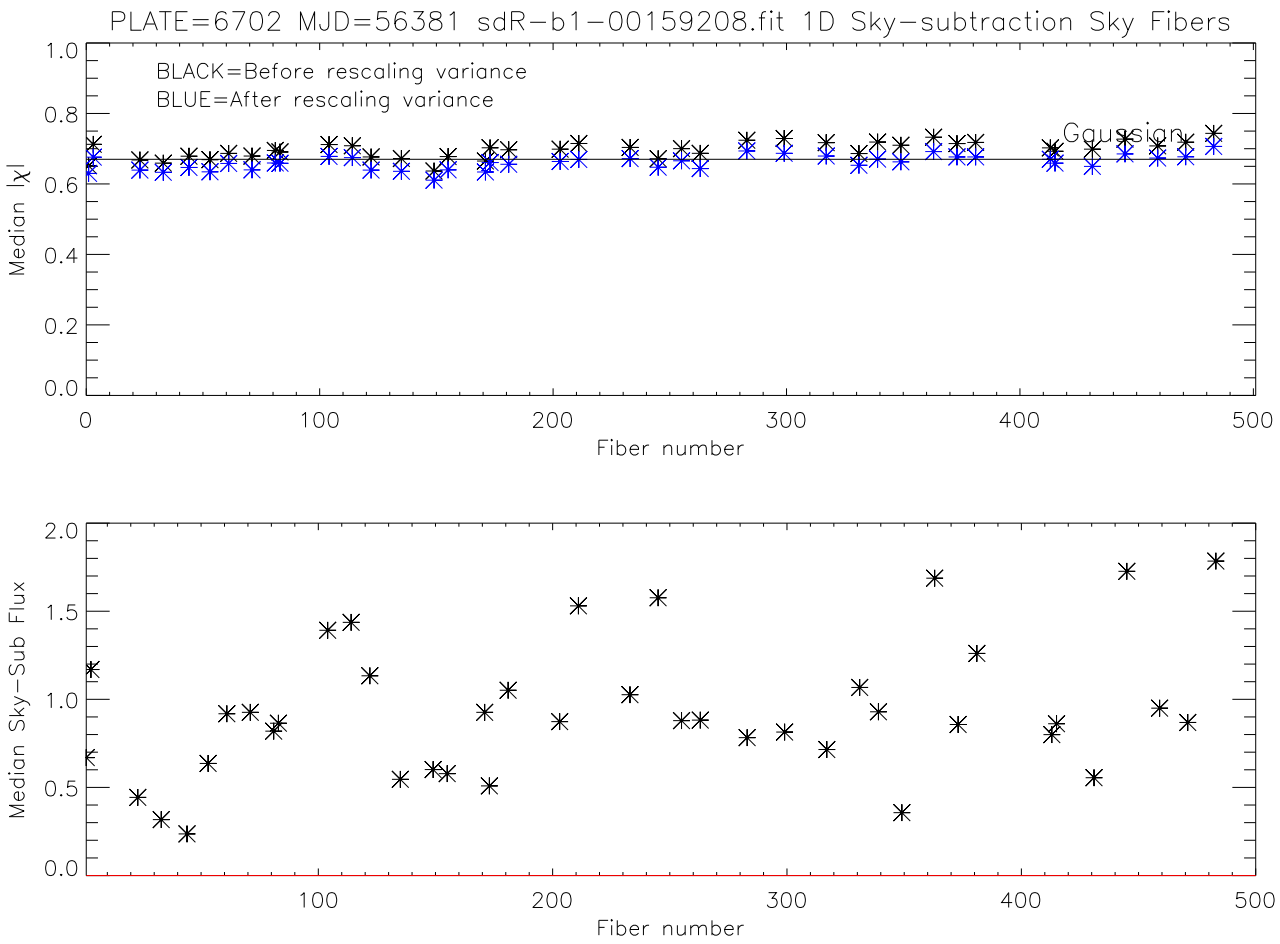

PLATE=6702 MJD=56381 sdR-b1-00159207.fit Skyline Flux at 5578.9
Flux (5578.9)/Airmass
RED = sky fiber
Dispersion = 1.39 %
Fiber number
Flux (5578.9)/Airmass
Focal Distance [mm]
Flux (5578.9)/Airmass
Airmass

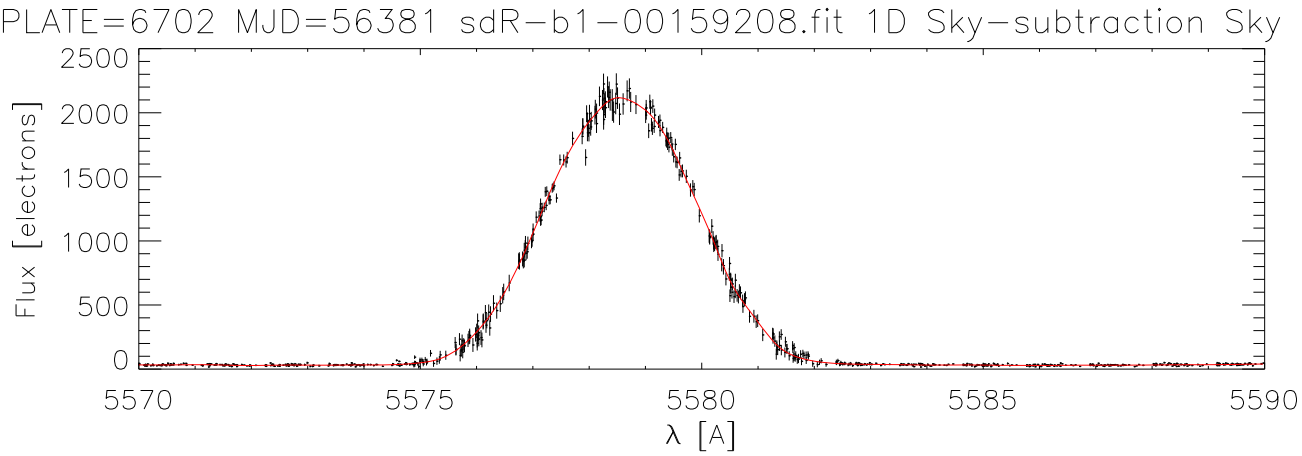

PLATE=6702 MJD=56381 Fiber−Flats for sdR−b1−00159206.fit
BLACK = Median value
ENVELOPE = 95% of points
GREEN = Outlier points
Min value = −3.040
Max value = 11.275
Fiber−Flat
1.5
1.0
0.5
0.0
3000
4000
5000
6000
7000
λ [A]
Wed Apr 16 10:16:55 2014

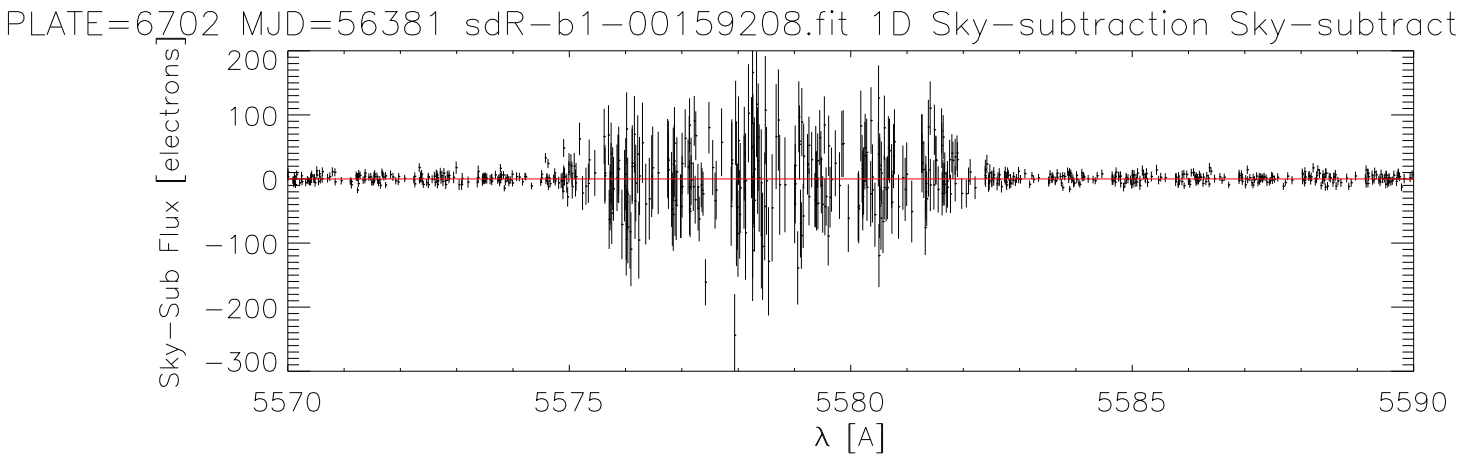

PLATE=6702 MJD=56381 Extraction chi^2 for sdR−b1−00159208.fit
BLACK = Final chisq extraction
χ^2
0.0
0.5
1.0
1.5
0
1000
2000
3000
4000
Row number


PLATE=6702 MJD=56381 Sky Line Deviations for sdR-b1-00159208.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

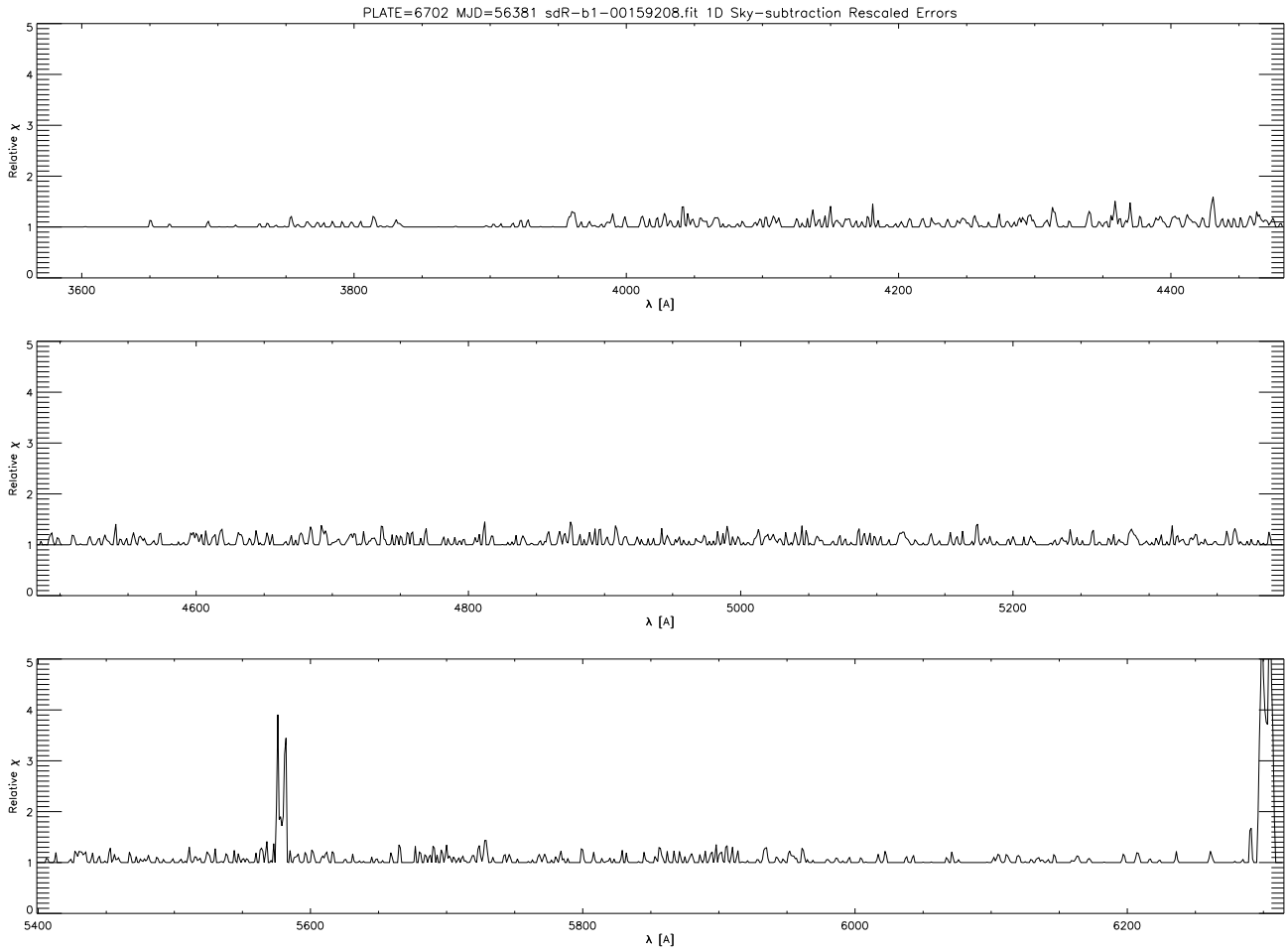

PLATE=6702 MJD=56381 Smooth superflat for sdR-b1-00159208.fit
2.0
1.5
1.0
0.5
0.0
1.04
1.02
1.00
0.98
0.96
3000
4000
5000
6000
7000
Wavelength (Å)

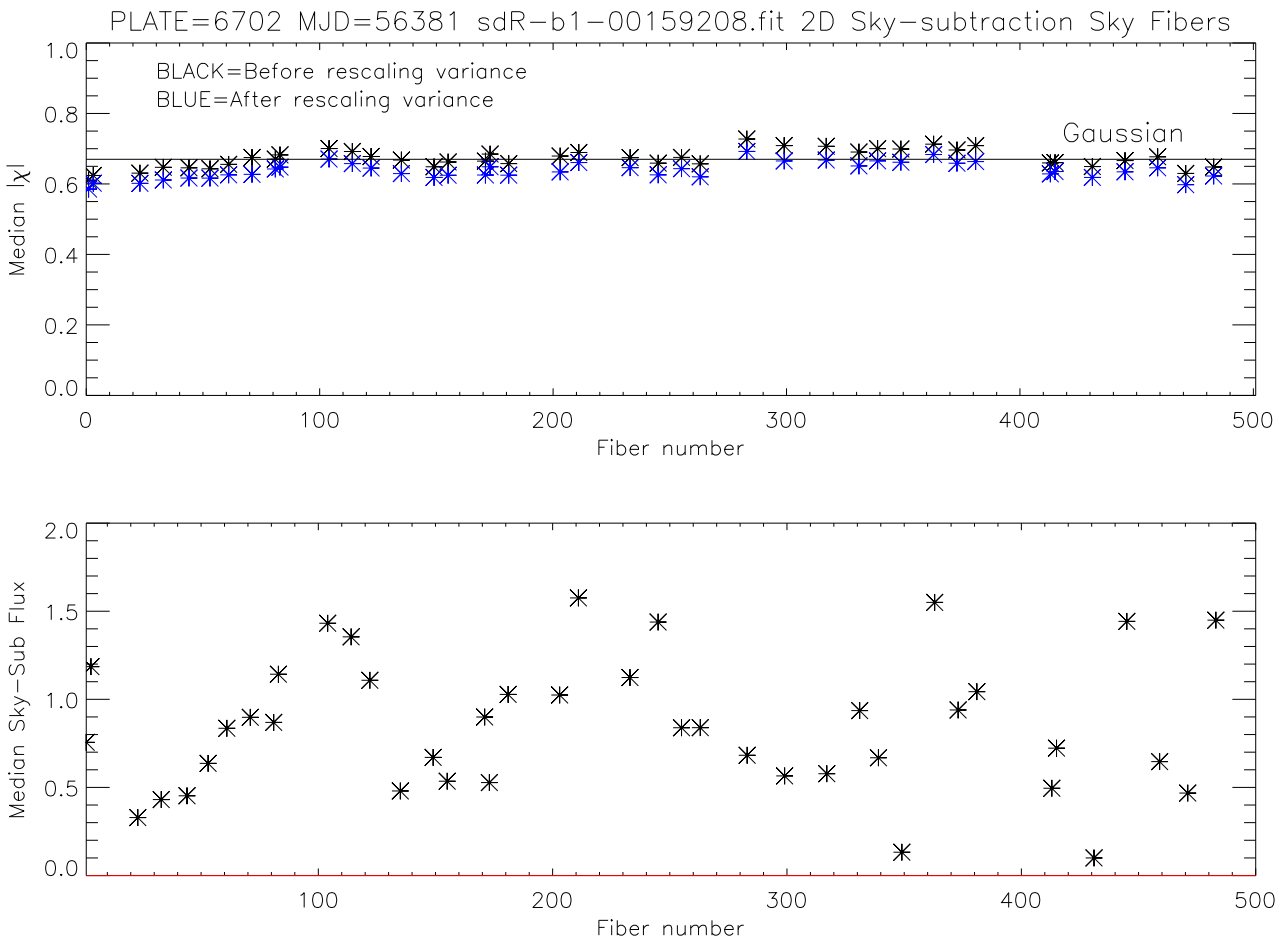

PLATE=6702 MJD=56381 sdR-b1-00159208.fit 1D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

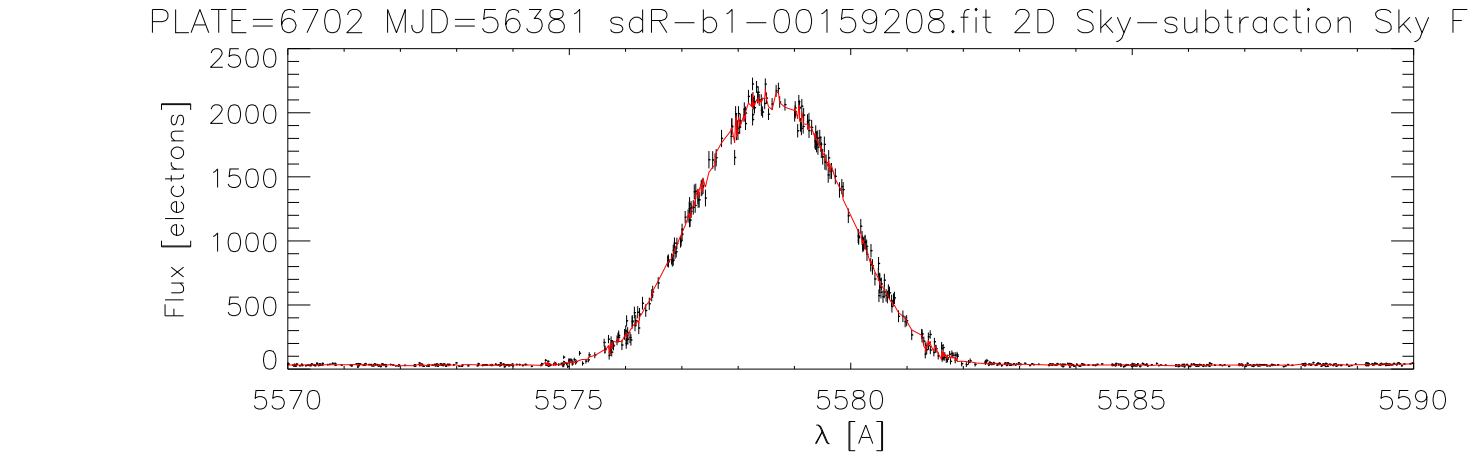

PLATE=6702 MJD=56381 sdR-b1-00159208.fit 1D Sky-subtraction Sky Fibers
Flux [electrons]
2500
2000
1500
1000
500
0
5570
5575
5580
5585
5590
λ [A]

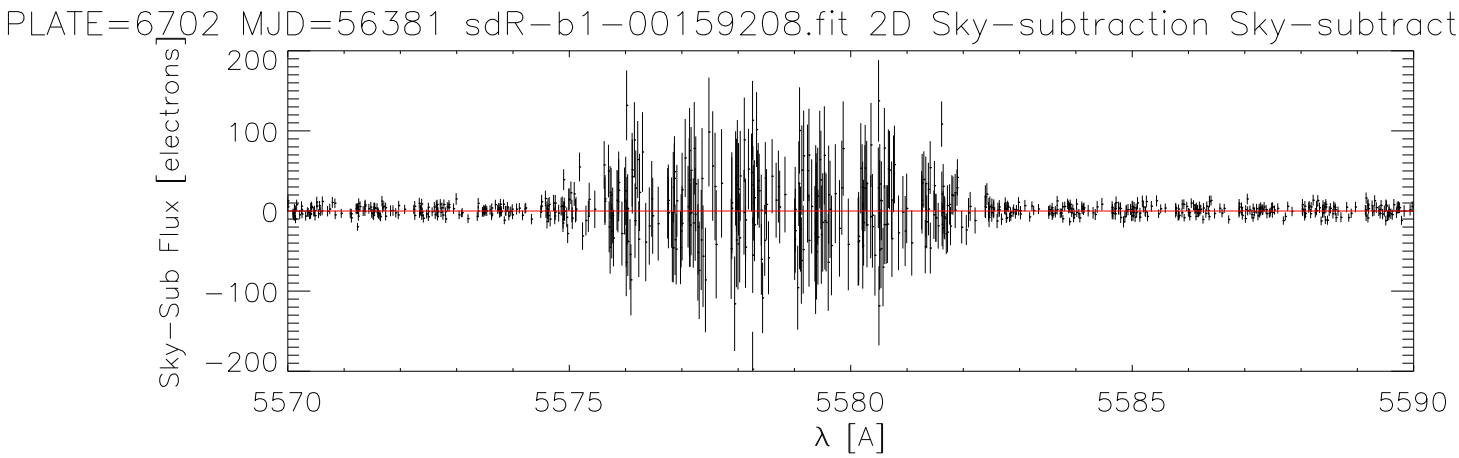

PLATE=6702 MJD=56381 sdR-b1-00159208.fit 1D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
200
100
0
-100
-200
-300
5570
5575
5580
5585
5590
λ [A]

Number of sky fibers = 41

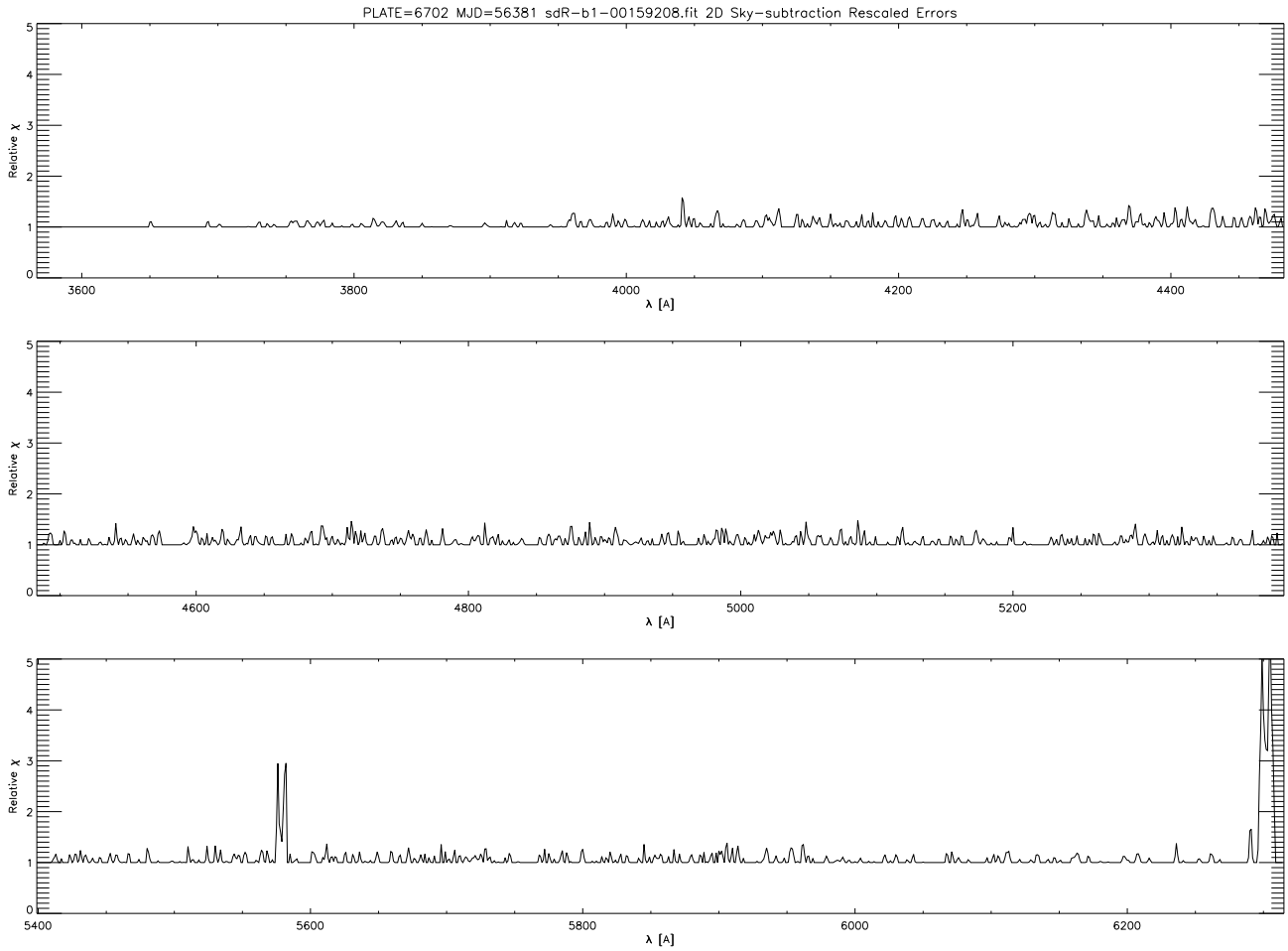


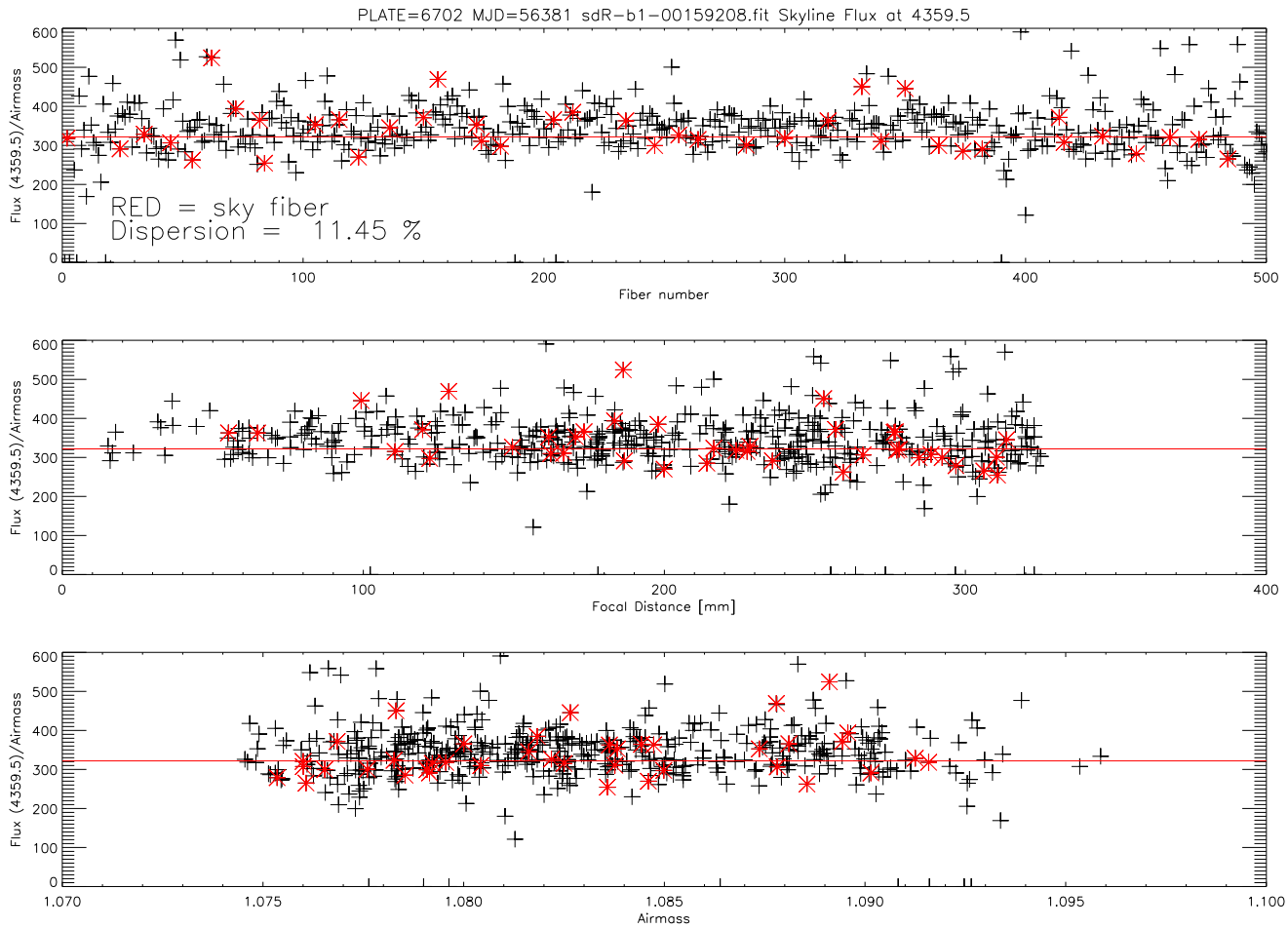

PLATE=6702 MJD=56381 sdR-b1-00159208.fit 2D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

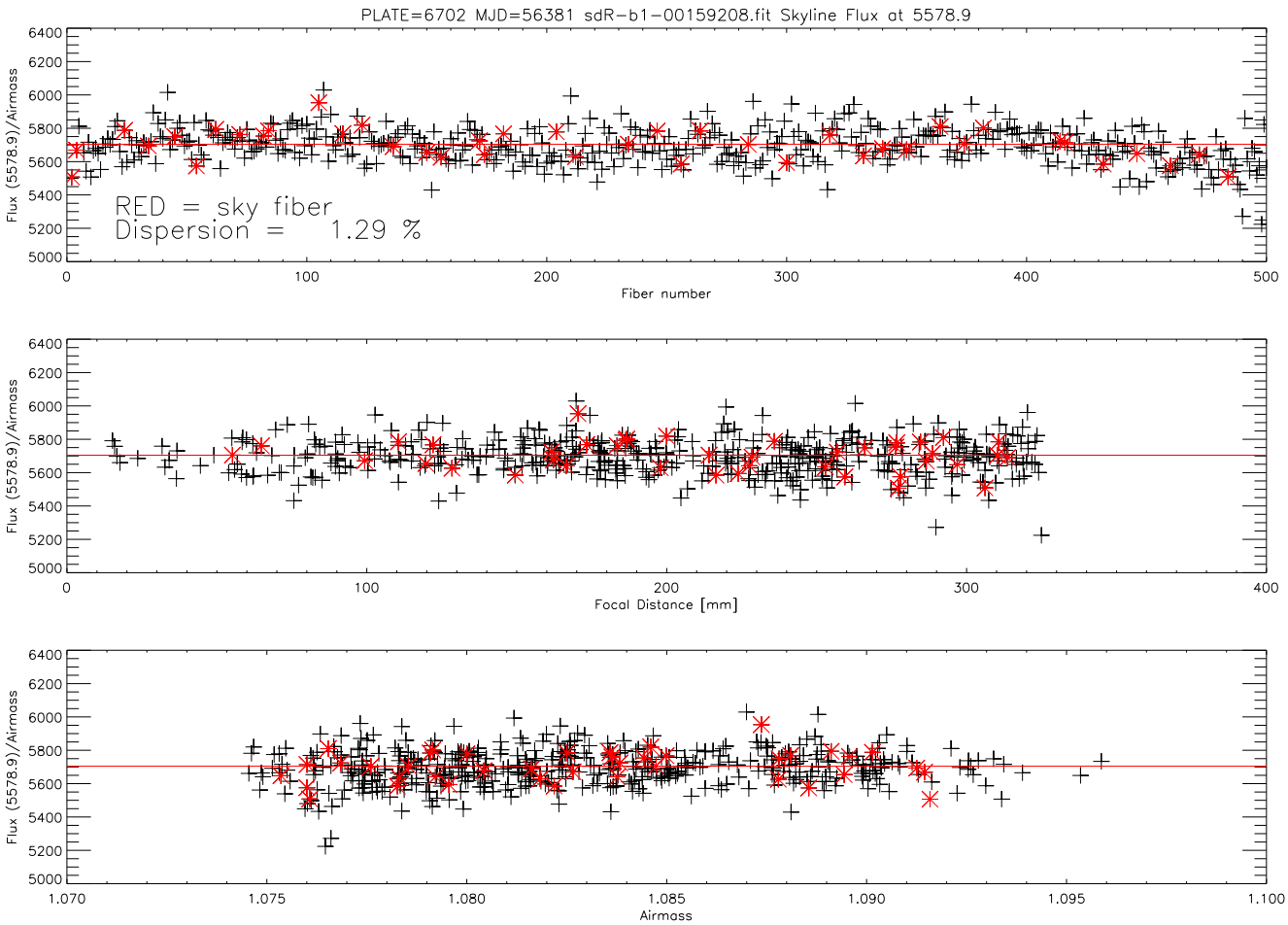

PLATE=6702 MJD=56381 sdR-b1-00159208.fit 2D Sky-subtraction Sky Fibers
Flux [electrons]
2500
2000
1500
1000
500
0
5570
5575
5580
5585
5590
λ [A]

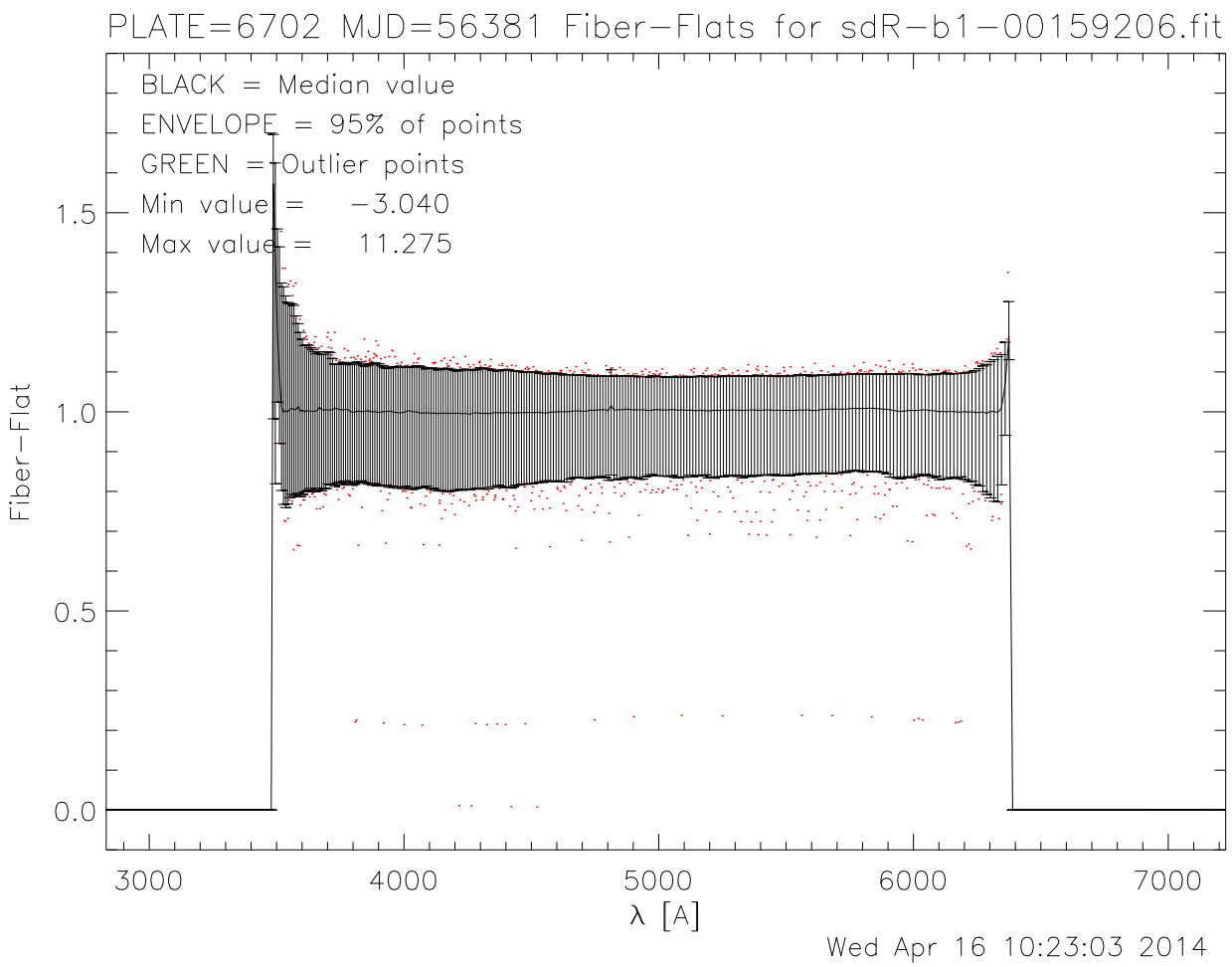

PLATE=6702 MJD=56381 sdR-b1-00159208.fit 2D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
200
100
0
-100
-200
5570
5575
5580
5585
5590
λ [A]

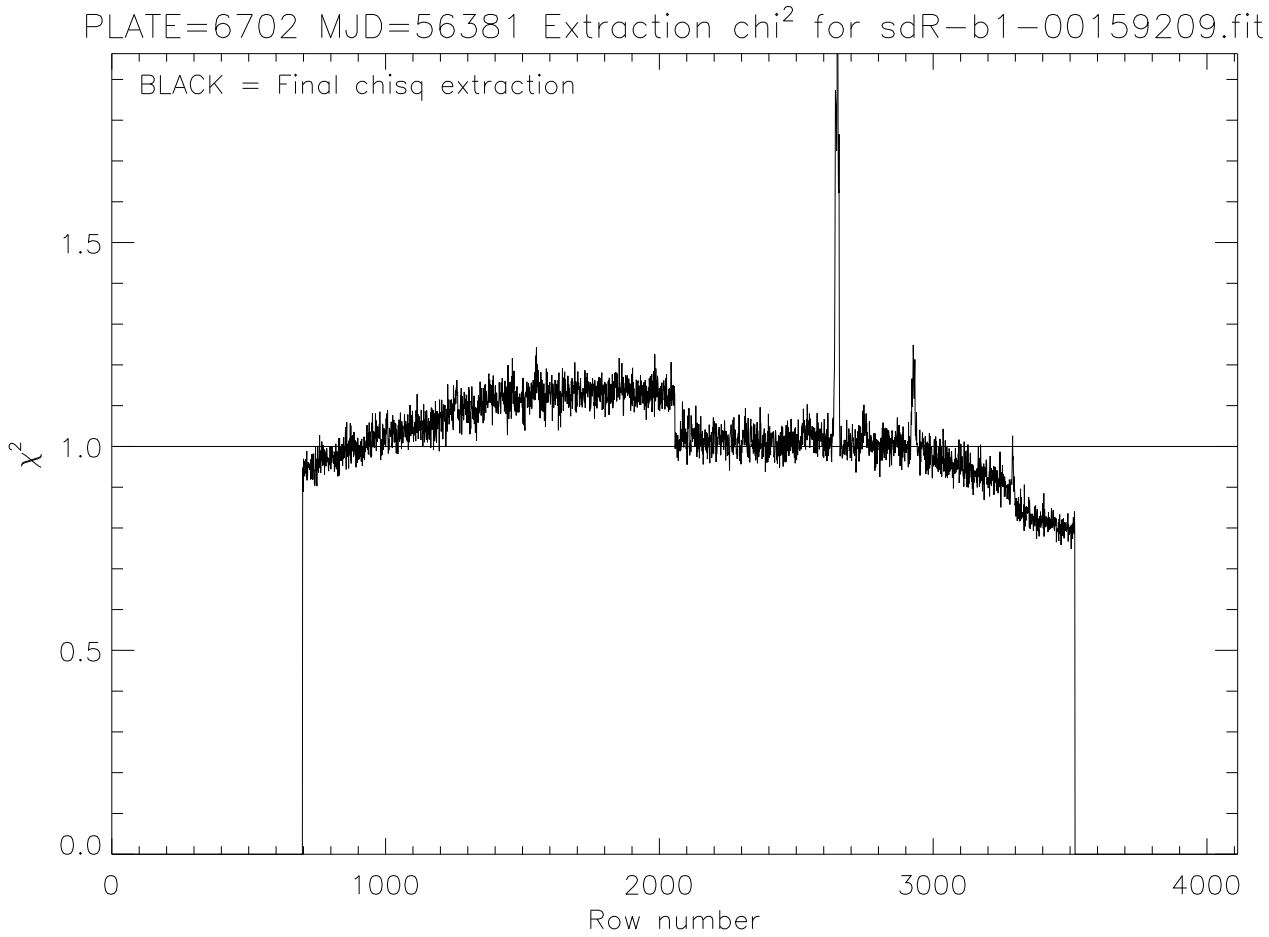
Number of sky fibers = 41

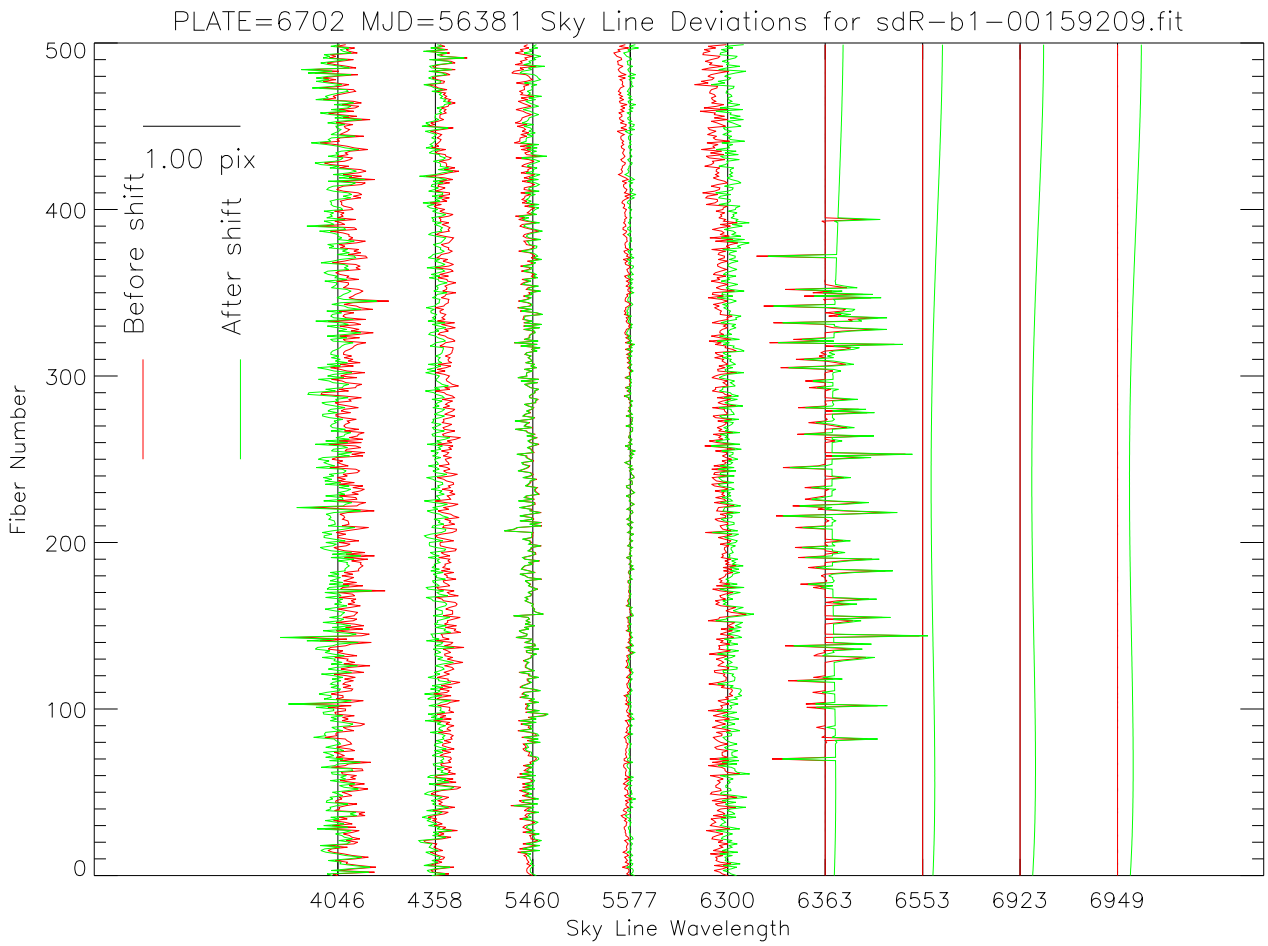


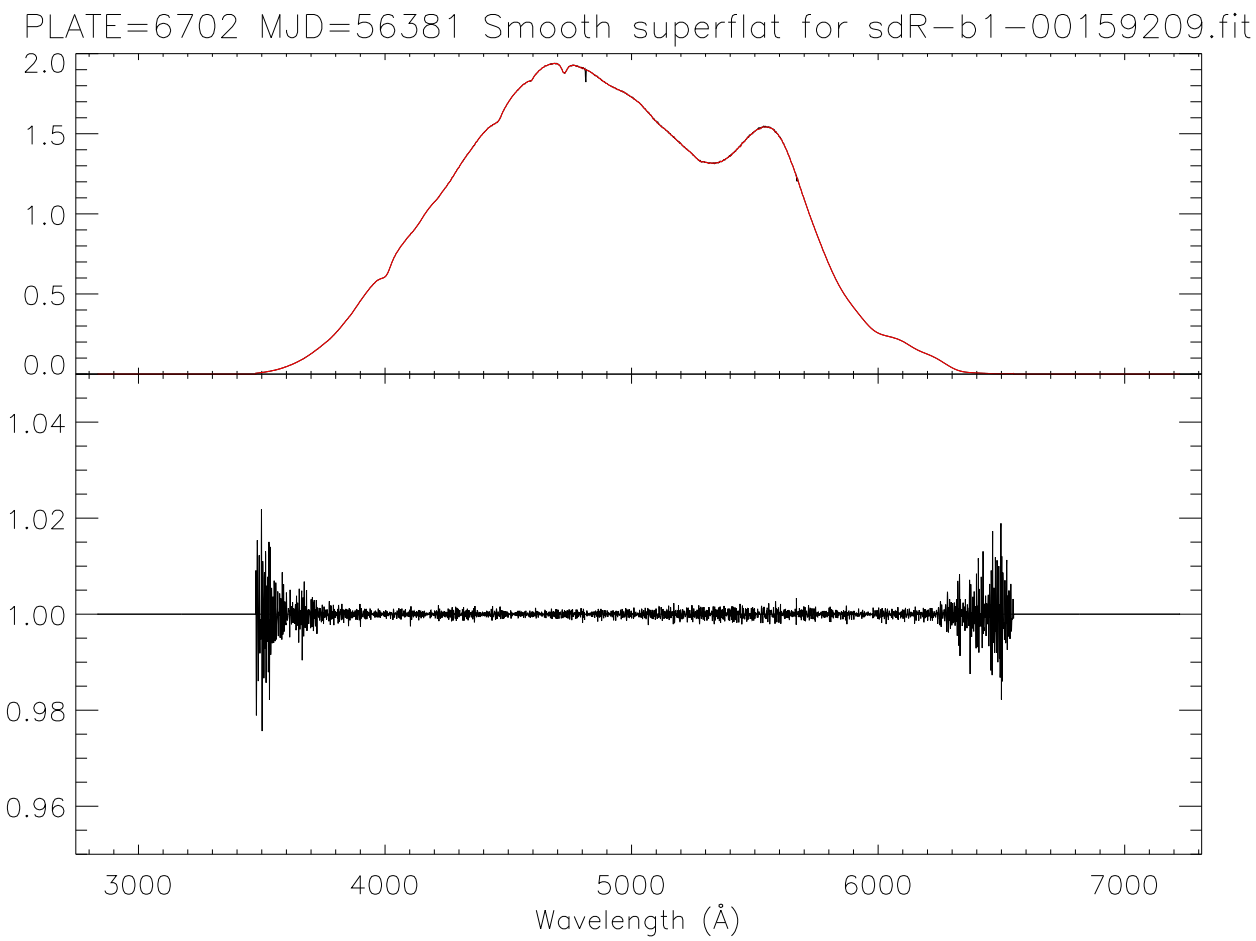

PLATE=6702 MJD=56381 sdR-b1-00159208.fit Skyline Flux at 4359.5
Flux (4359.5)/Airmass
RED = sky fiber
Dispersion = 11.45 %
Fiber number
Flux (4359.5)/Airmass
Focal Distance [mm]
Flux (4359.5)/Airmass
Airmass

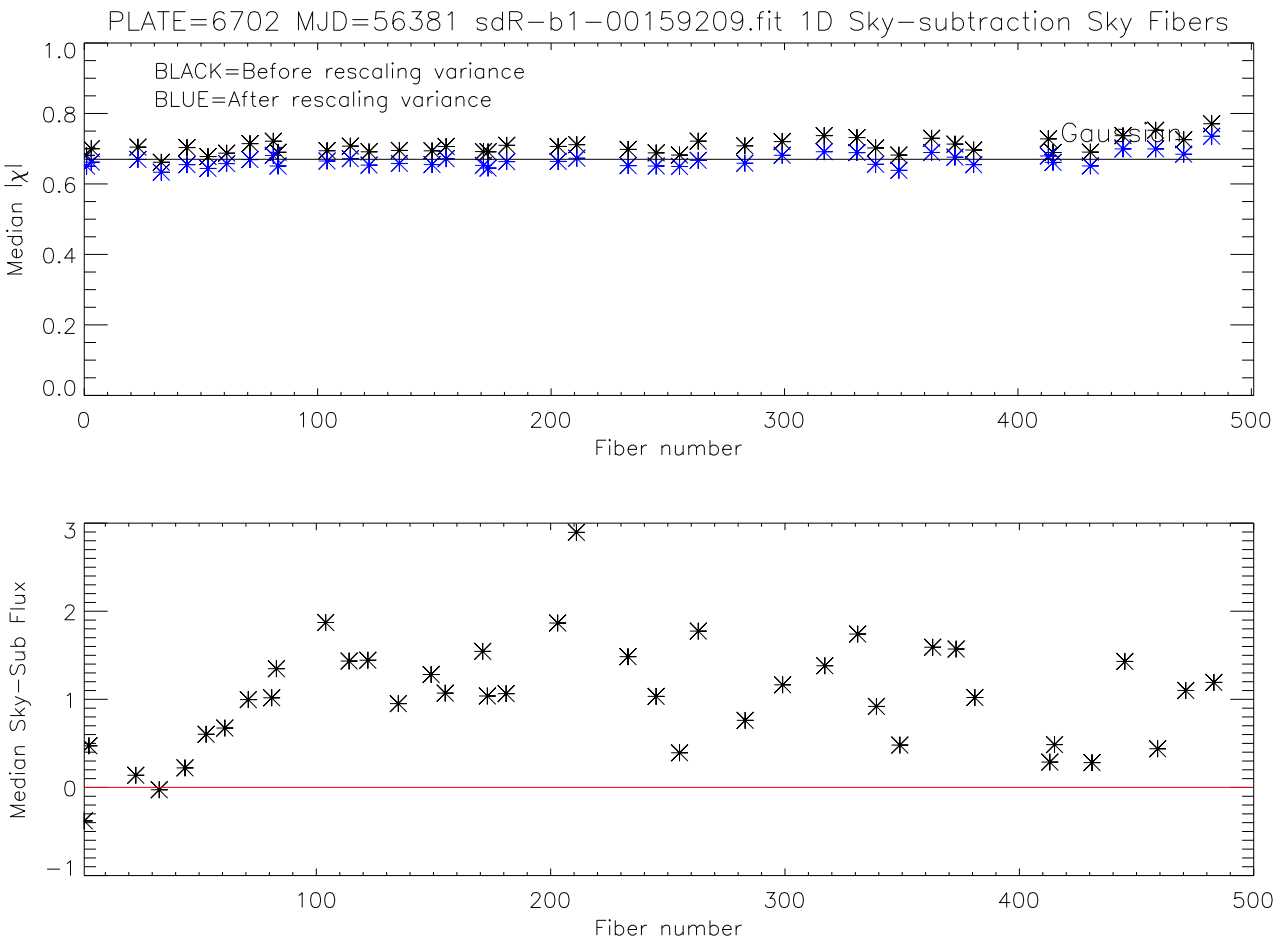

PLATE=6702 MJD=56381 sdR-b1-00159208.fit Skyline Flux at 5578.9
Flux (5578.9)/Airmass
RED = sky fiber
Dispersion = 1.29 %
Fiber number
Flux (5578.9)/Airmass
Focal Distance [mm]
Flux (5578.9)/Airmass
Airmass

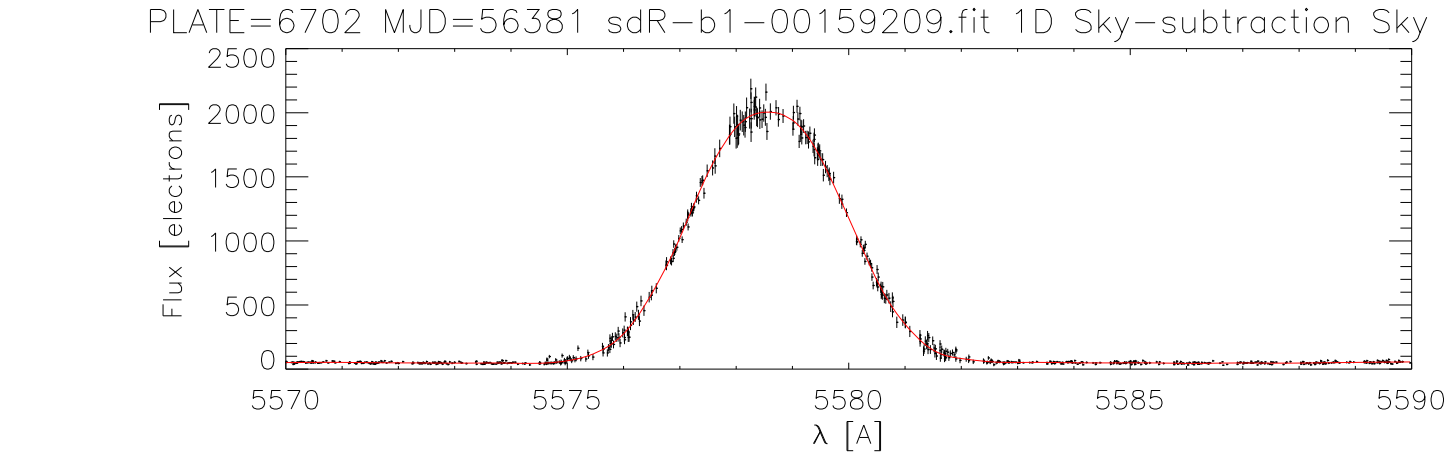

PLATE=6702 MJD=56381 Fiber−Flats for sdR−b1−00159206.fit
BLACK = Median value
ENVELOPE = 95% of points
GREEN = Outlier points
Min value = −3.040
Max value = 11.275
Fiber−Flat
1.5
1.0
0.5
0.0
3000
4000
5000
6000
7000
λ [A]
Wed Apr 16 10:23:03 2014

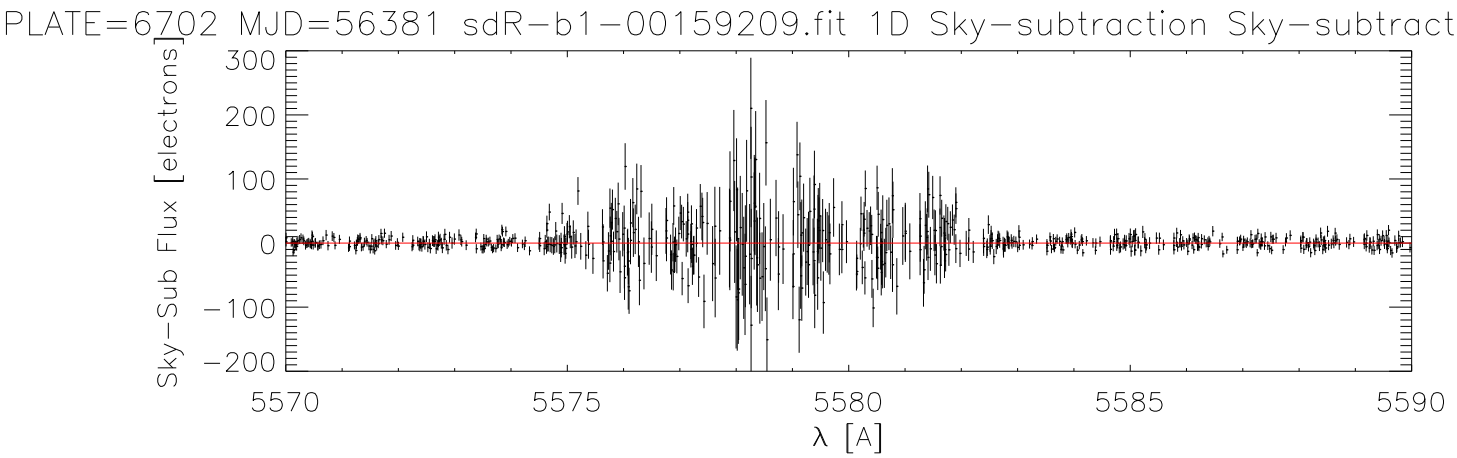

PLATE=6702 MJD=56381 Extraction chi^2 for sdR−b1−00159209.fit
BLACK = Final chisq extraction
χ^2
0.0
0.5
1.0
1.5
0
1000
2000
3000
4000
Row number


PLATE=6702 MJD=56381 Sky Line Deviations for sdR-b1-00159209.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

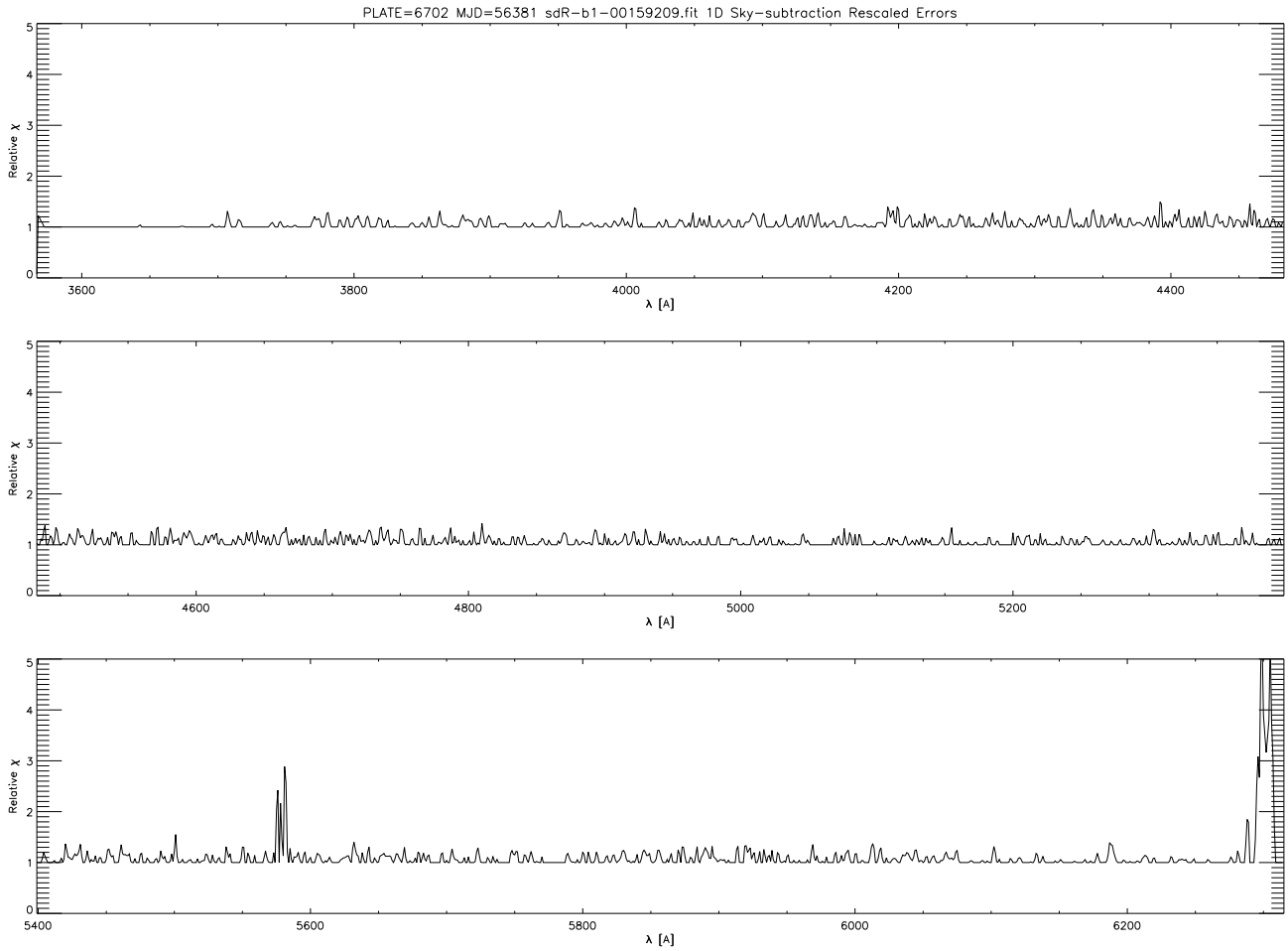

PLATE=6702 MJD=56381 Smooth superflat for sdR-b1-00159209.fit
2.0
1.5
1.0
0.5
0.0
1.04
1.02
1.00
0.98
0.96
3000
4000
5000
6000
7000
Wavelength (Å)

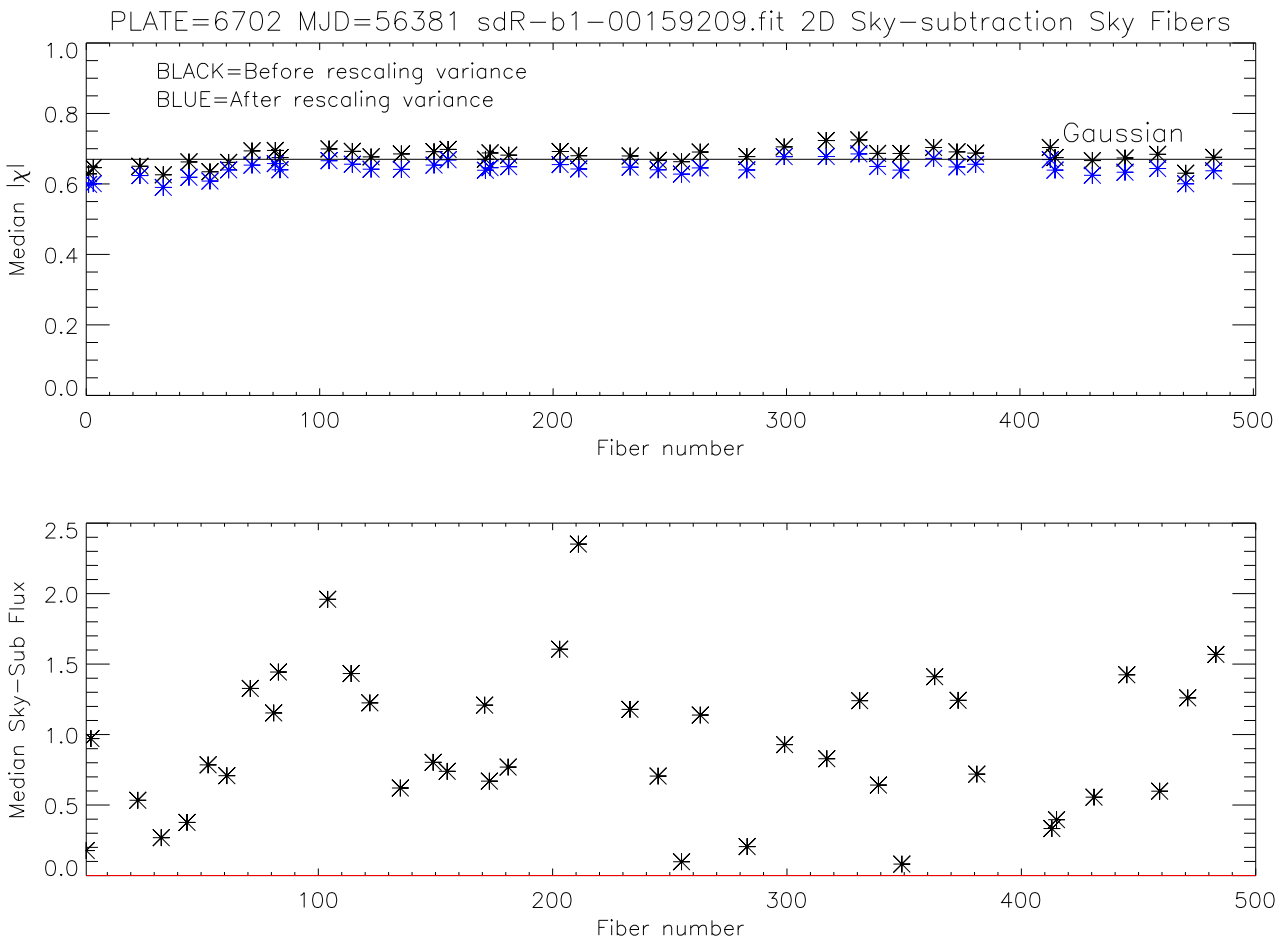

PLATE=6702 MJD=56381 sdR-b1-00159209.fit 1D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

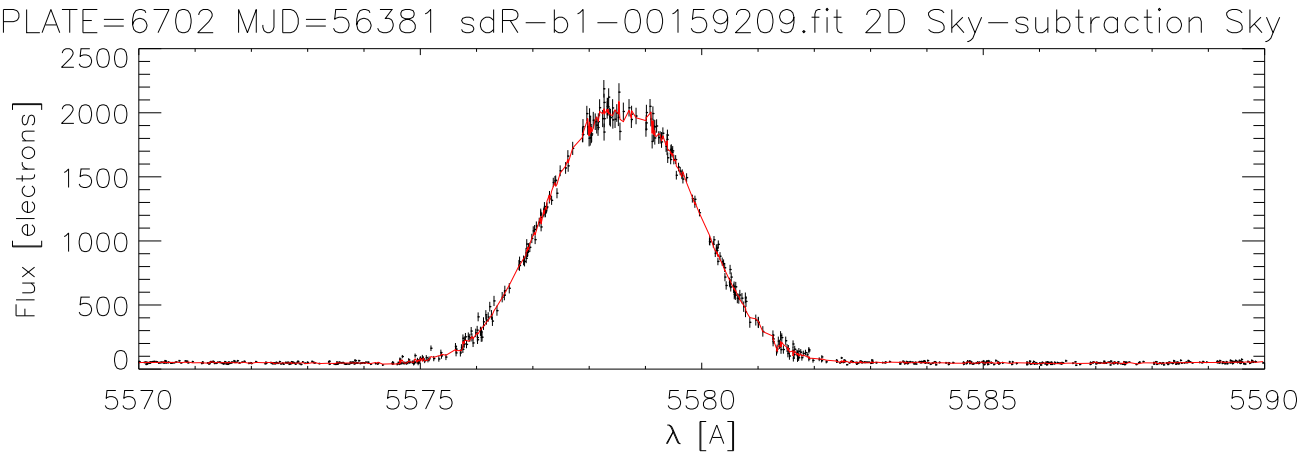

PLATE=6702 MJD=56381 sdR-b1-00159209.fit 1D Sky-subtraction Sky Fibers
Flux [electrons]
2500
2000
1500
1000
500
0
5570
5575
5580
5585
5590
λ [A]

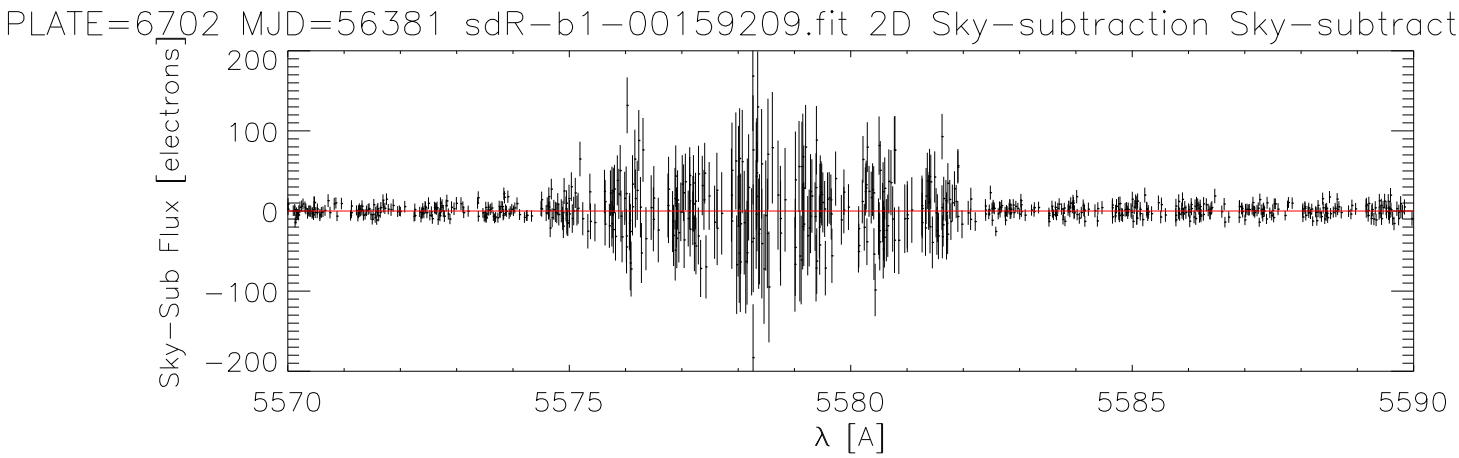

PLATE=6702 MJD=56381 sdR-b1-00159209.fit 1D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
300
200
100
0
-100
-200
5570
5575
5580
5585
5590
λ [A]

Number of sky fibers = 41

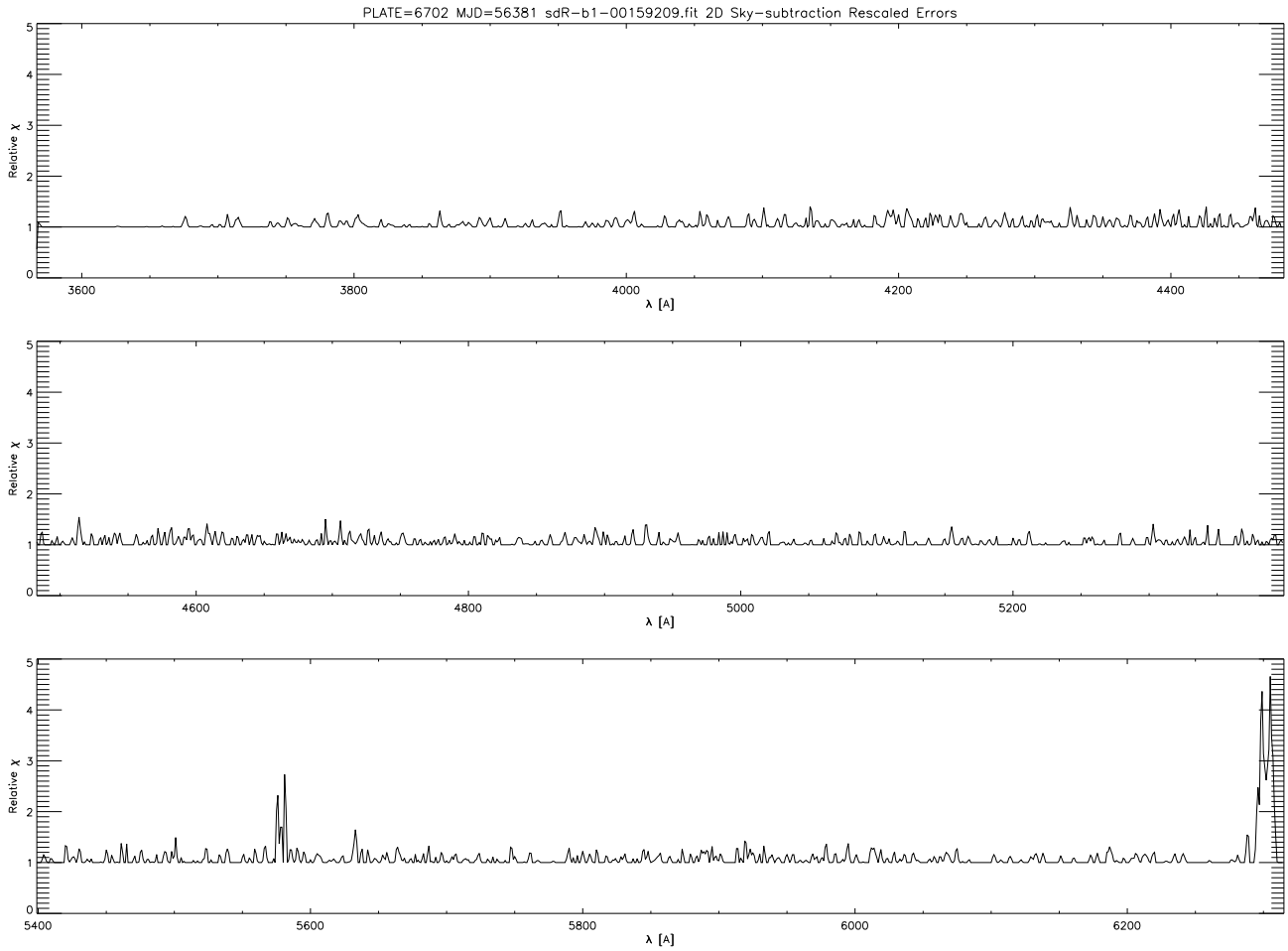


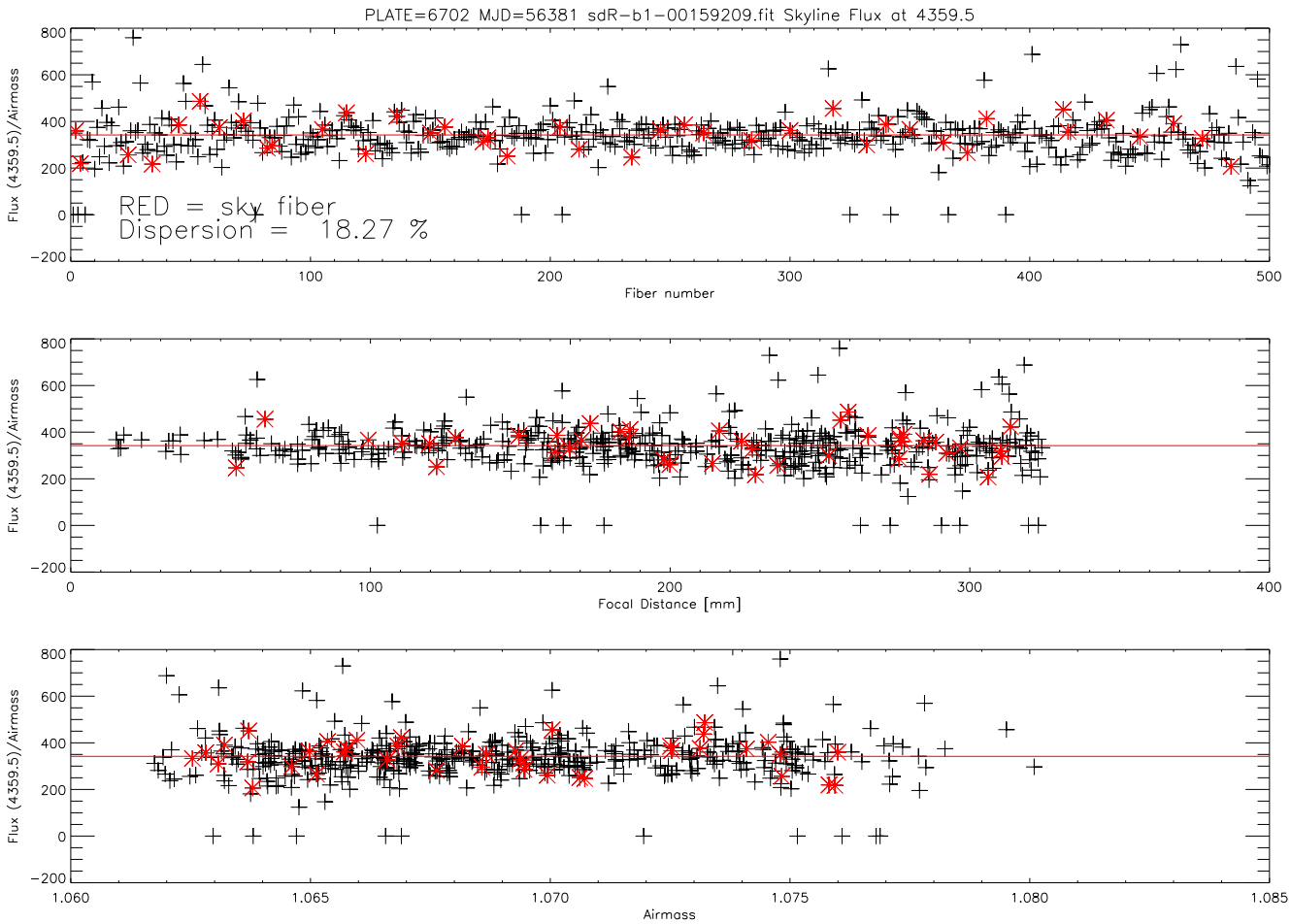

PLATE=6702 MJD=56381 sdR-b1-00159209.fit 2D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

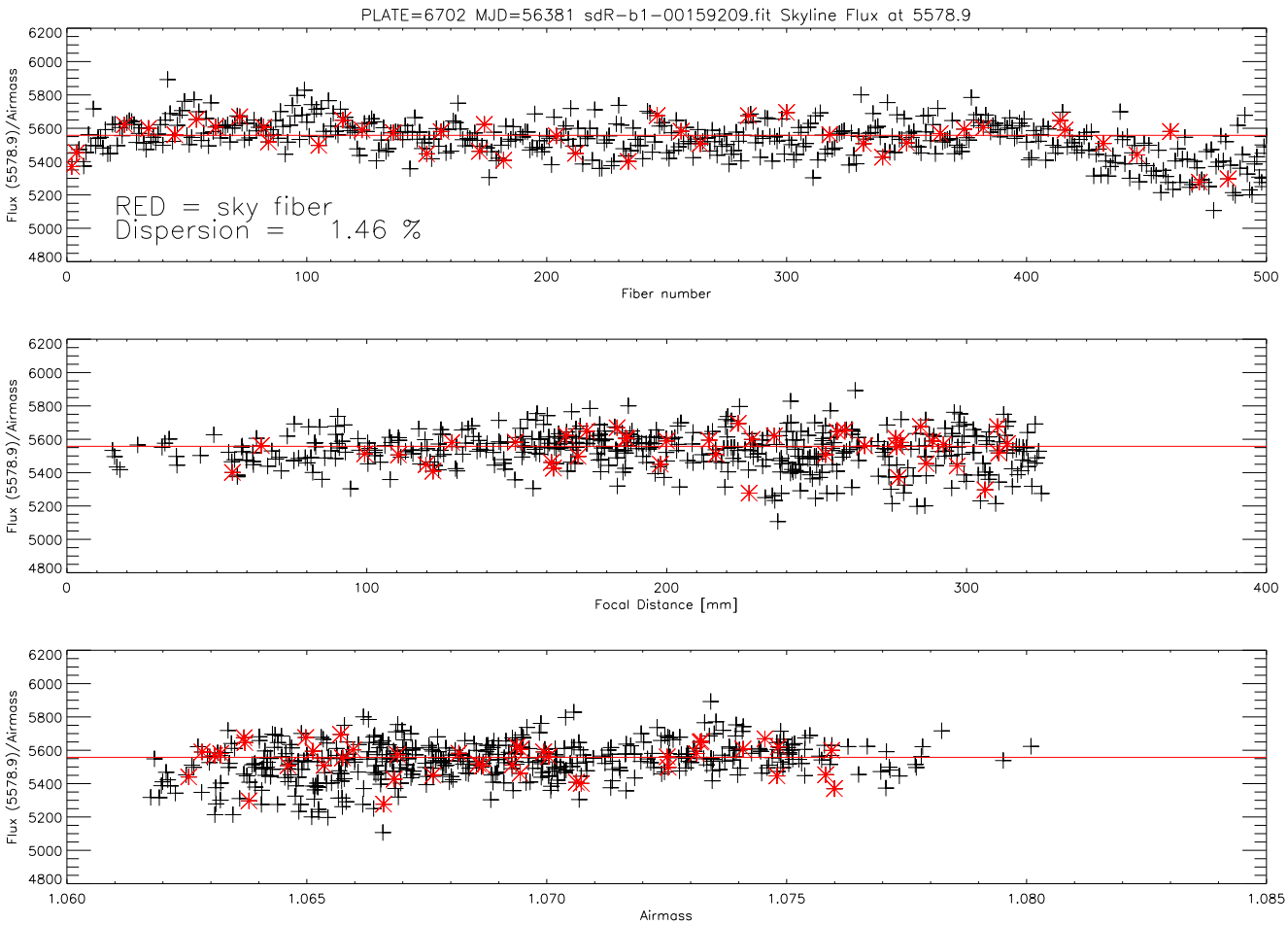

PLATE=6702 MJD=56381 sdR-b1-00159209.fit 2D Sky-subtraction Sky Fibers
Flux [electrons]
2500
2000
1500
1000
500
0
5570
5575
5580
5585
5590
λ [A]


PLATE=6702 MJD=56381 sdR-b1-00159209.fit 2D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
200
100
0
-100
-200
5570
5575
5580
5585
5590
λ [A]

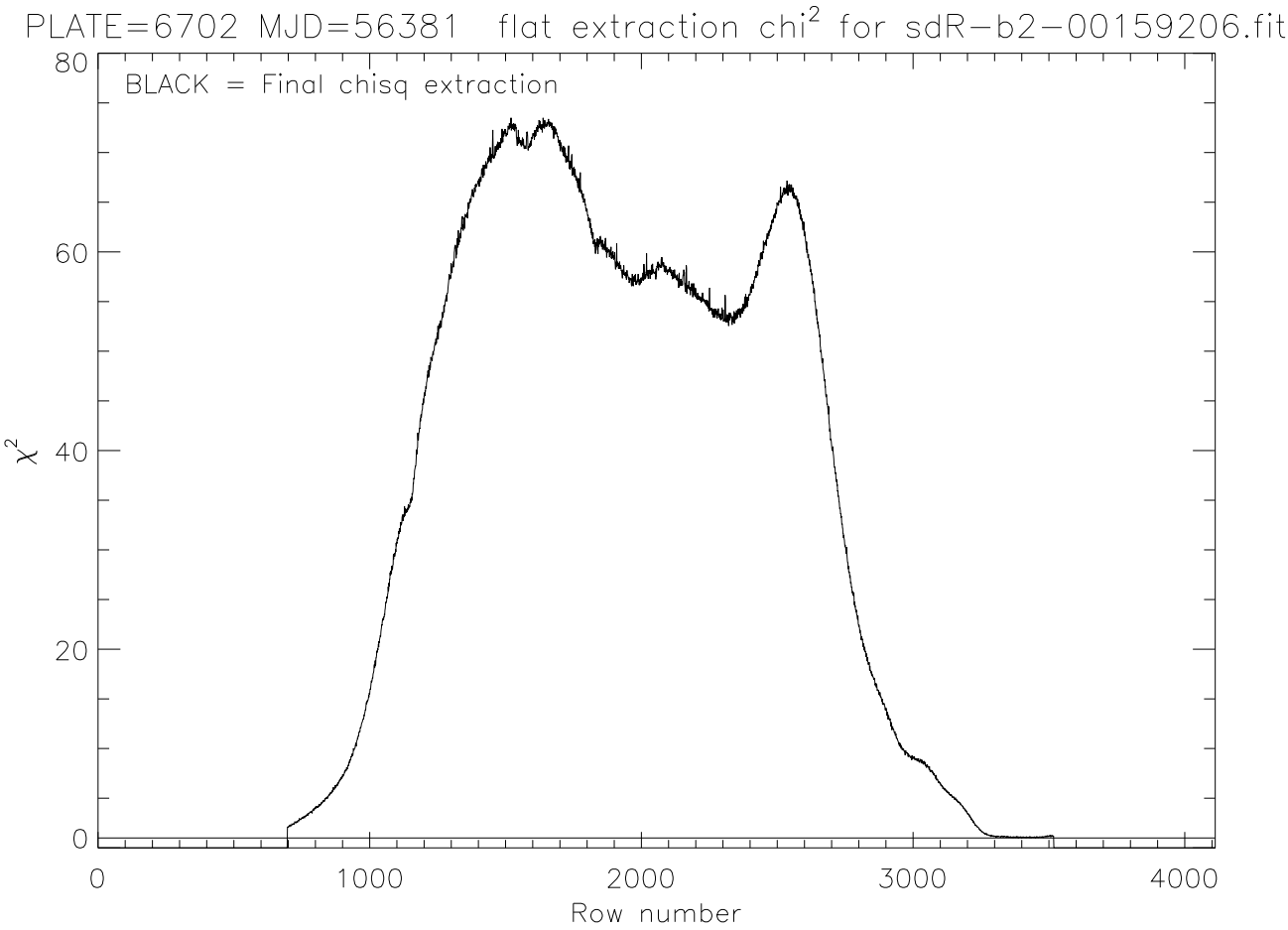
Number of sky fibers = 41

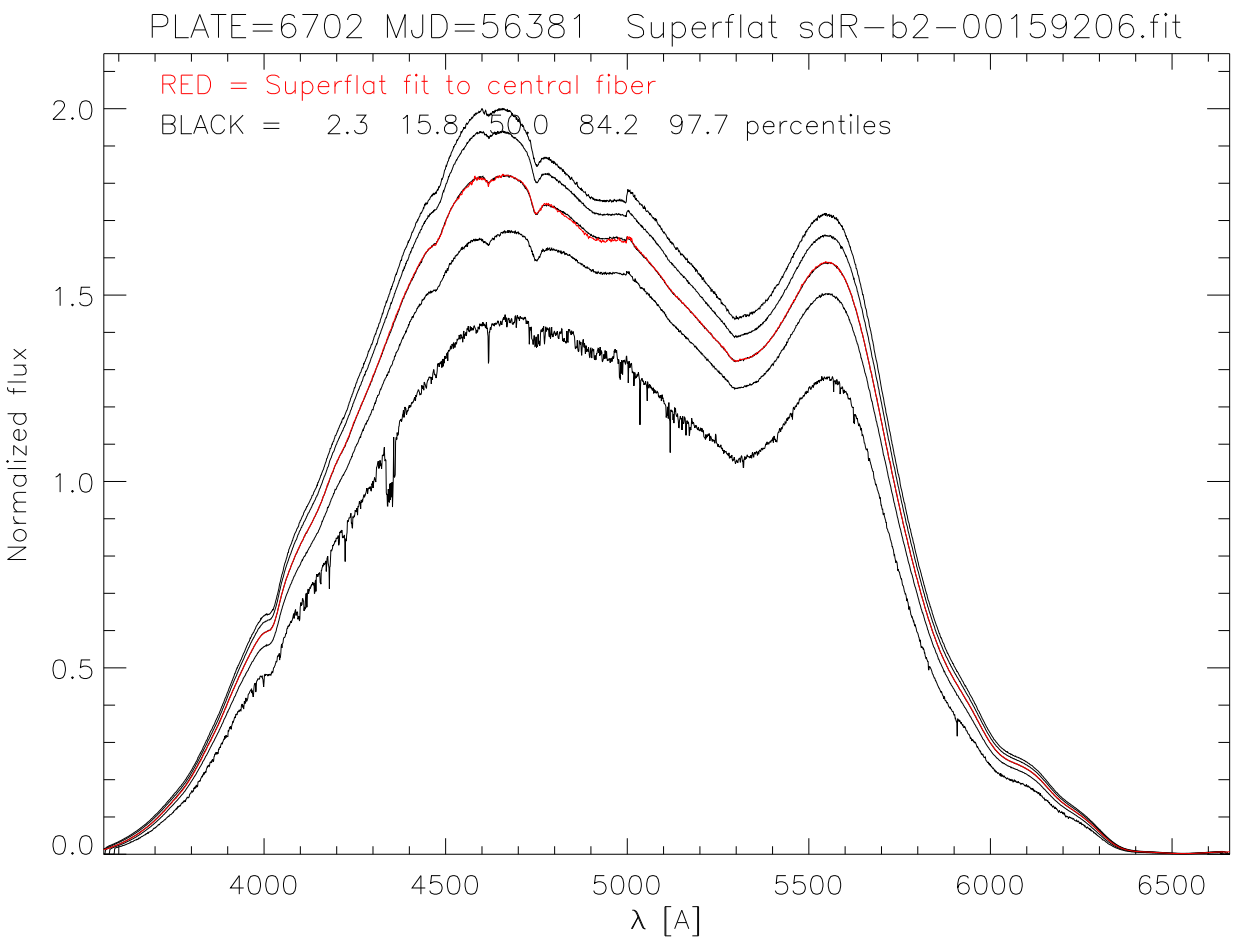


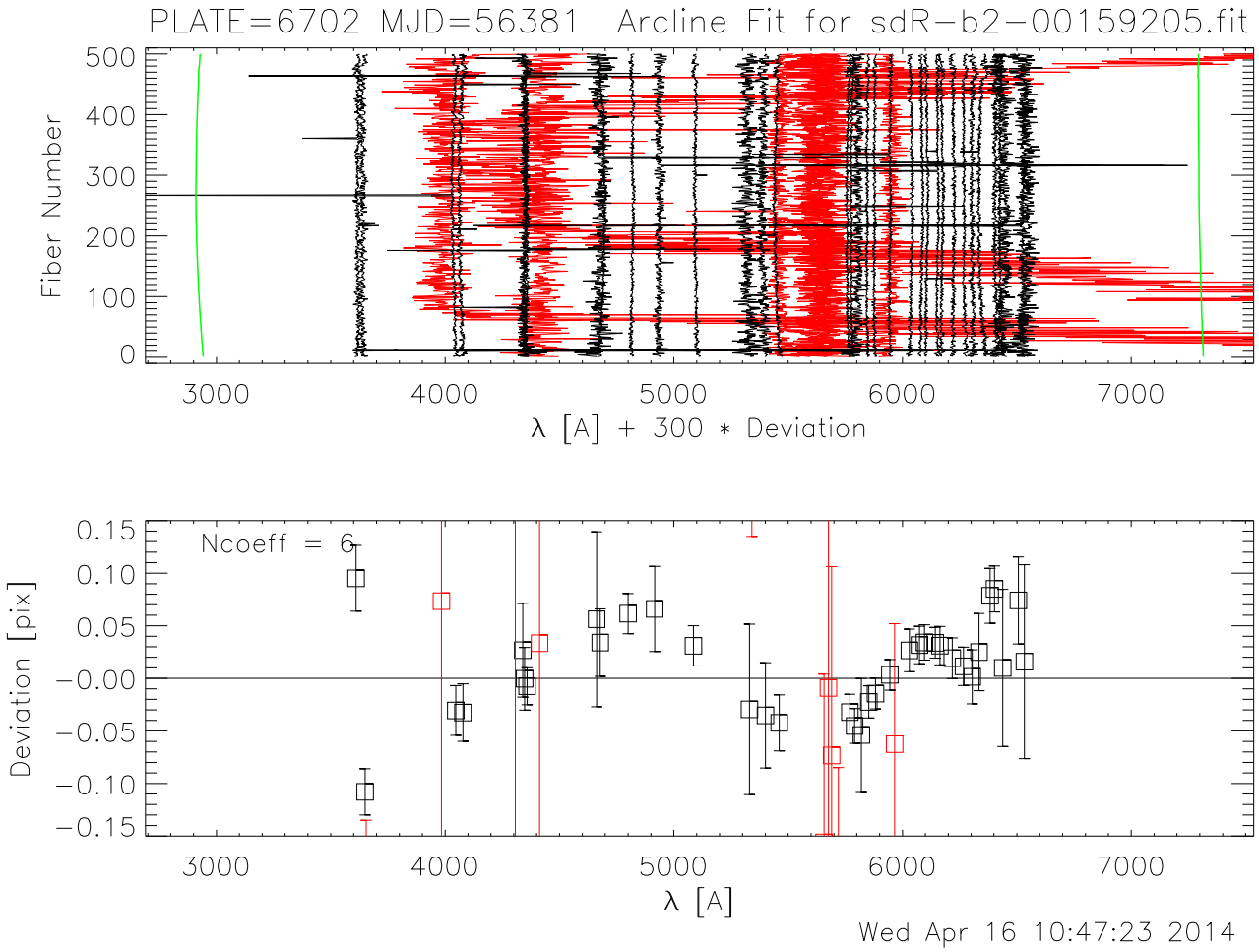

PLATE=6702 MJD=56381 sdR-b1-00159209.fit Skyline Flux at 4359.5
Flux (4359.5)/Airmass
RED = sky fiber
Dispersion = 18.27 %
Fiber number
Flux (4359.5)/Airmass
Focal Distance [mm]
Flux (4359.5)/Airmass
Airmass

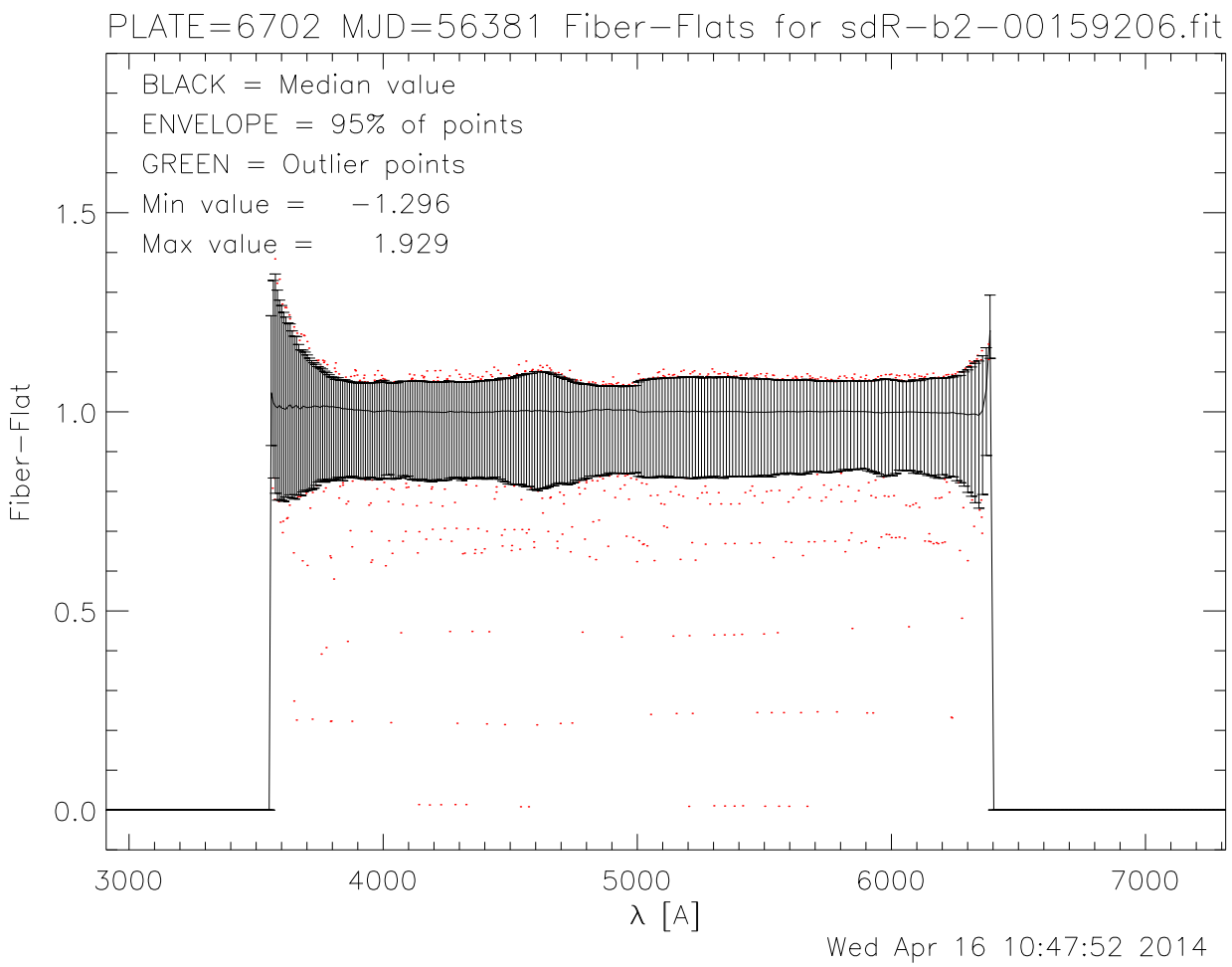

PLATE=6702 MJD=56381 sdR-b1-00159209.fit Skyline Flux at 5578.9
Flux (5578.9)/Airmass
RED = sky fiber
Dispersion = 1.46 %
Fiber number
Flux (5578.9)/Airmass
Focal Distance [mm]
Flux (5578.9)/Airmass
Airmass

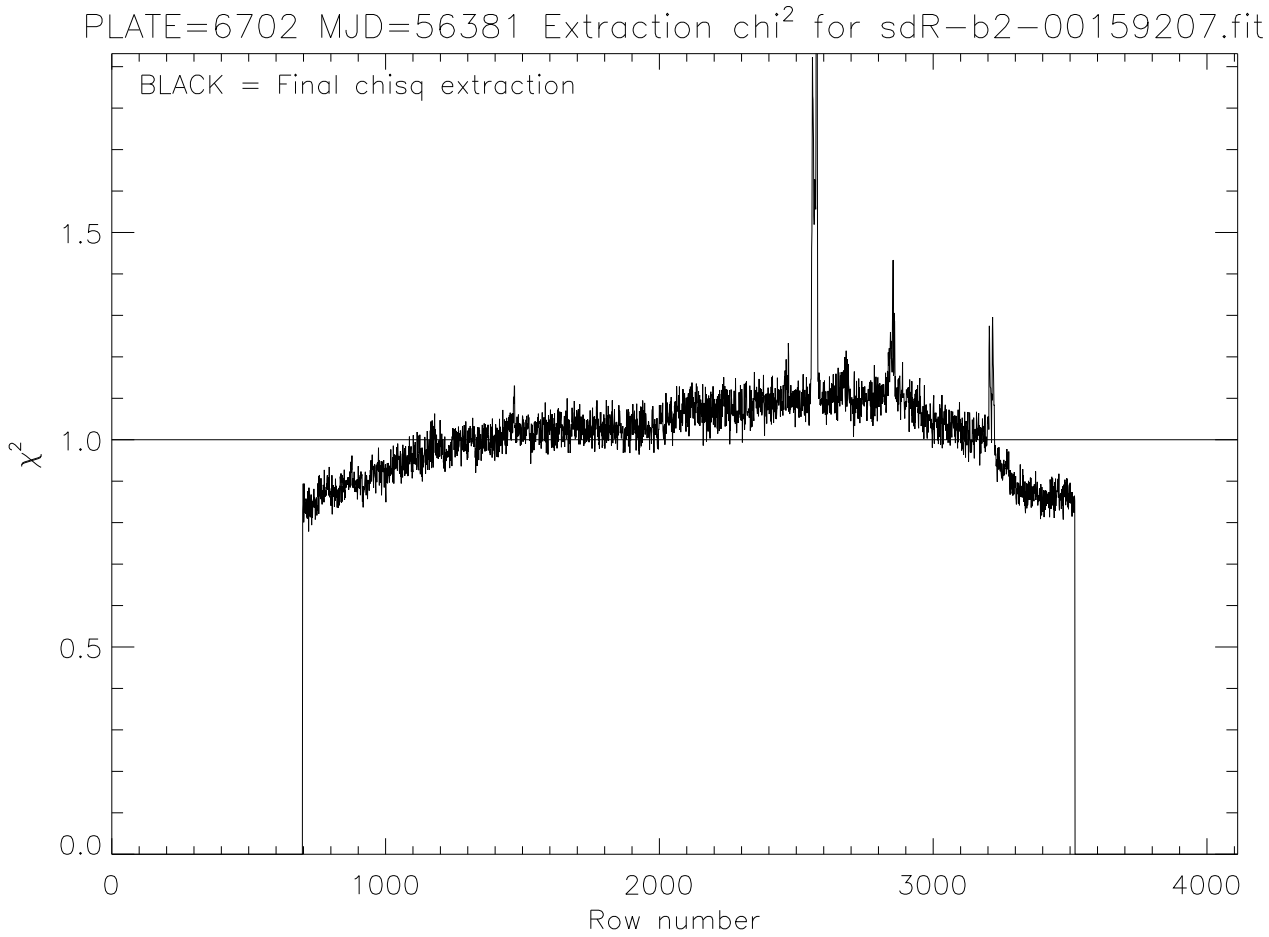
PLATE=6702 MJD=56381 Traces sdR-b2-00159206.fit

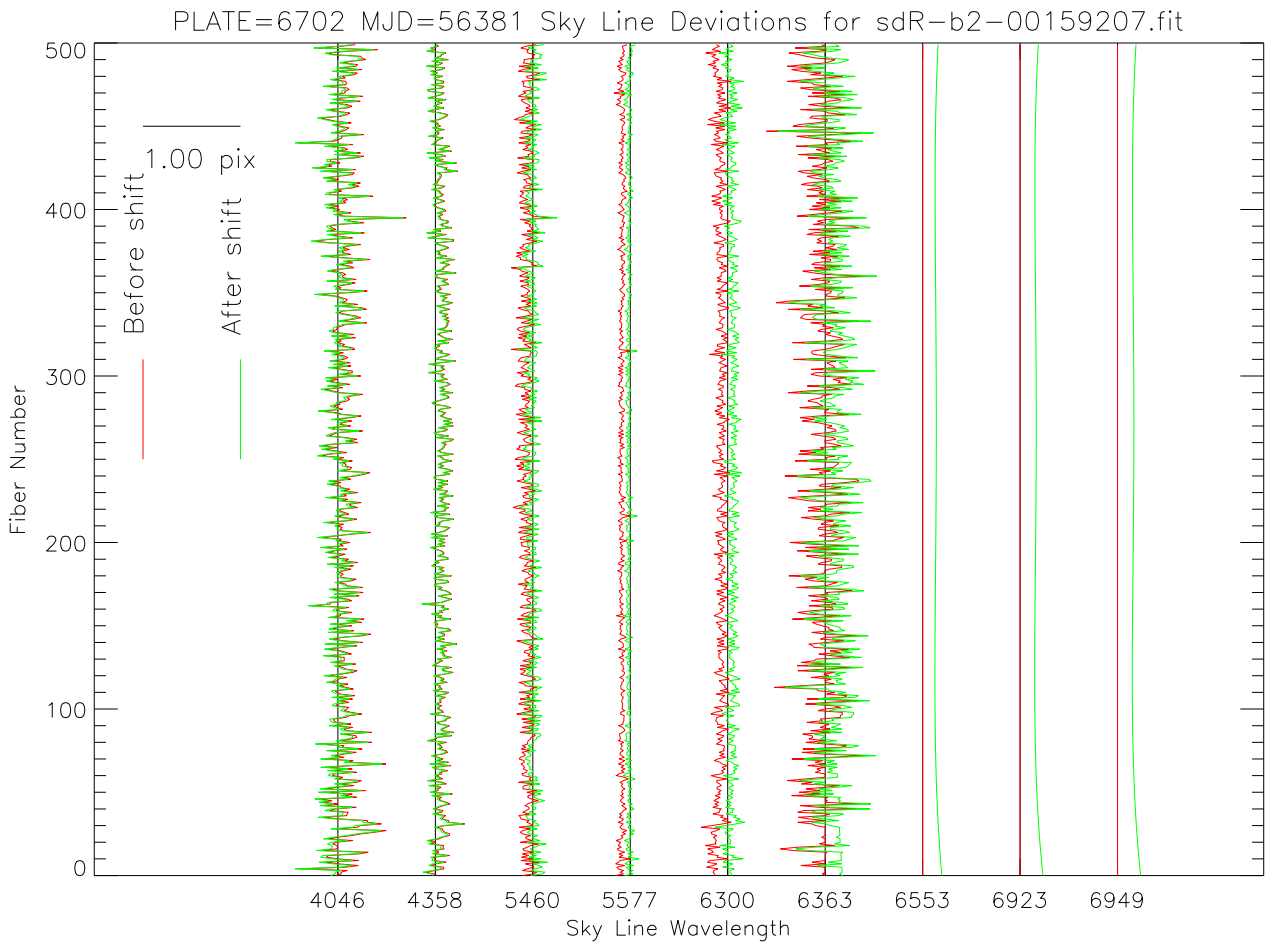

PLATE=6702 MJD=56381 flat extraction chi^2 for sdR−b2−00159206.fit
BLACK = Final chisq extraction
χ^2
0
20
40
60
80
0
1000
2000
3000
4000
Row number

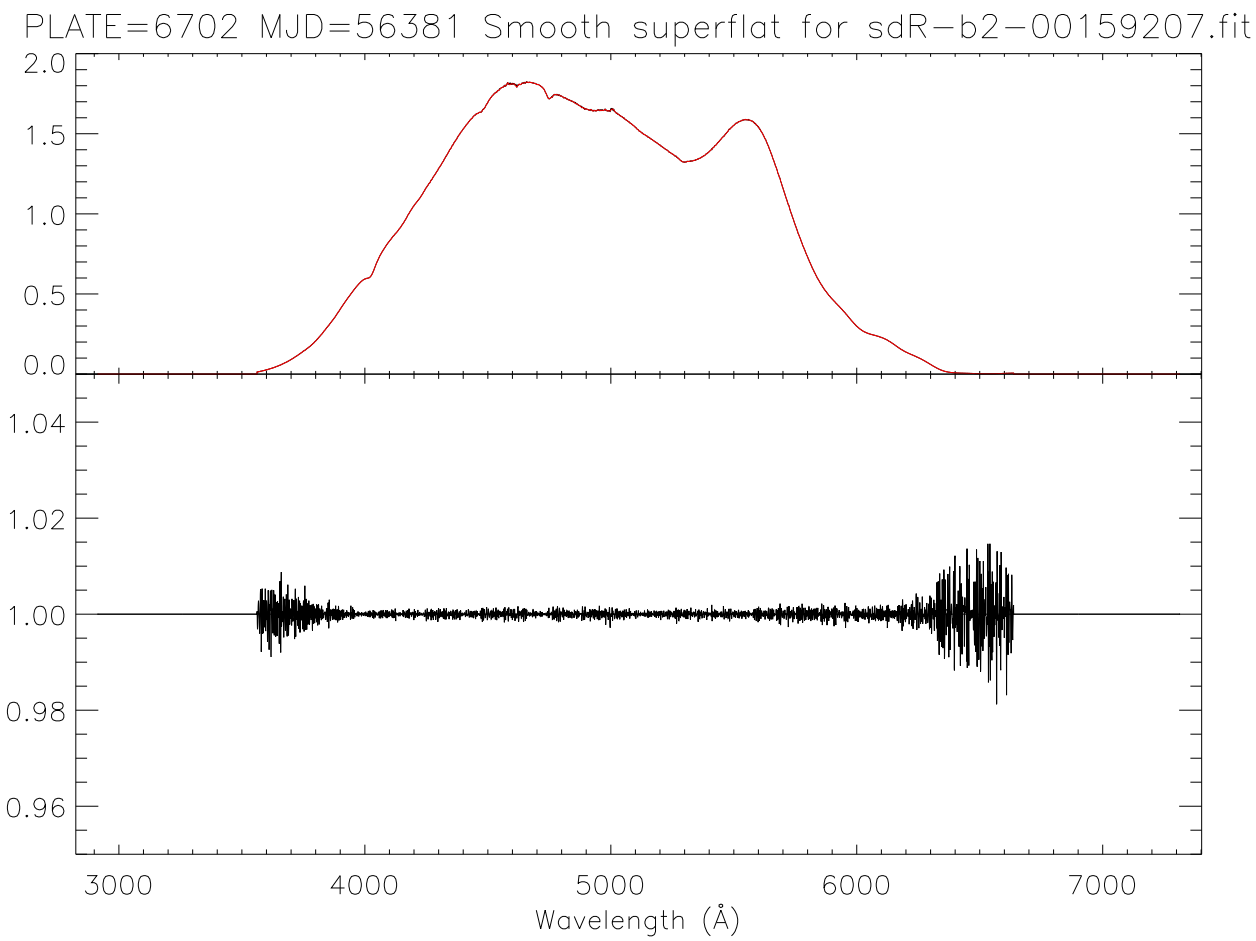

PLATE=6702 MJD=56381 Superflat sdR-b2-00159206.fit
RED = Superflat fit to central fiber
BLACK = 2.3 15.8 50.0 84.2 97.7 percentiles
Normalized flux
λ [A]
0.0
0.5
1.0
1.5
2.0
4000
4500
5000
5500
6000
6500

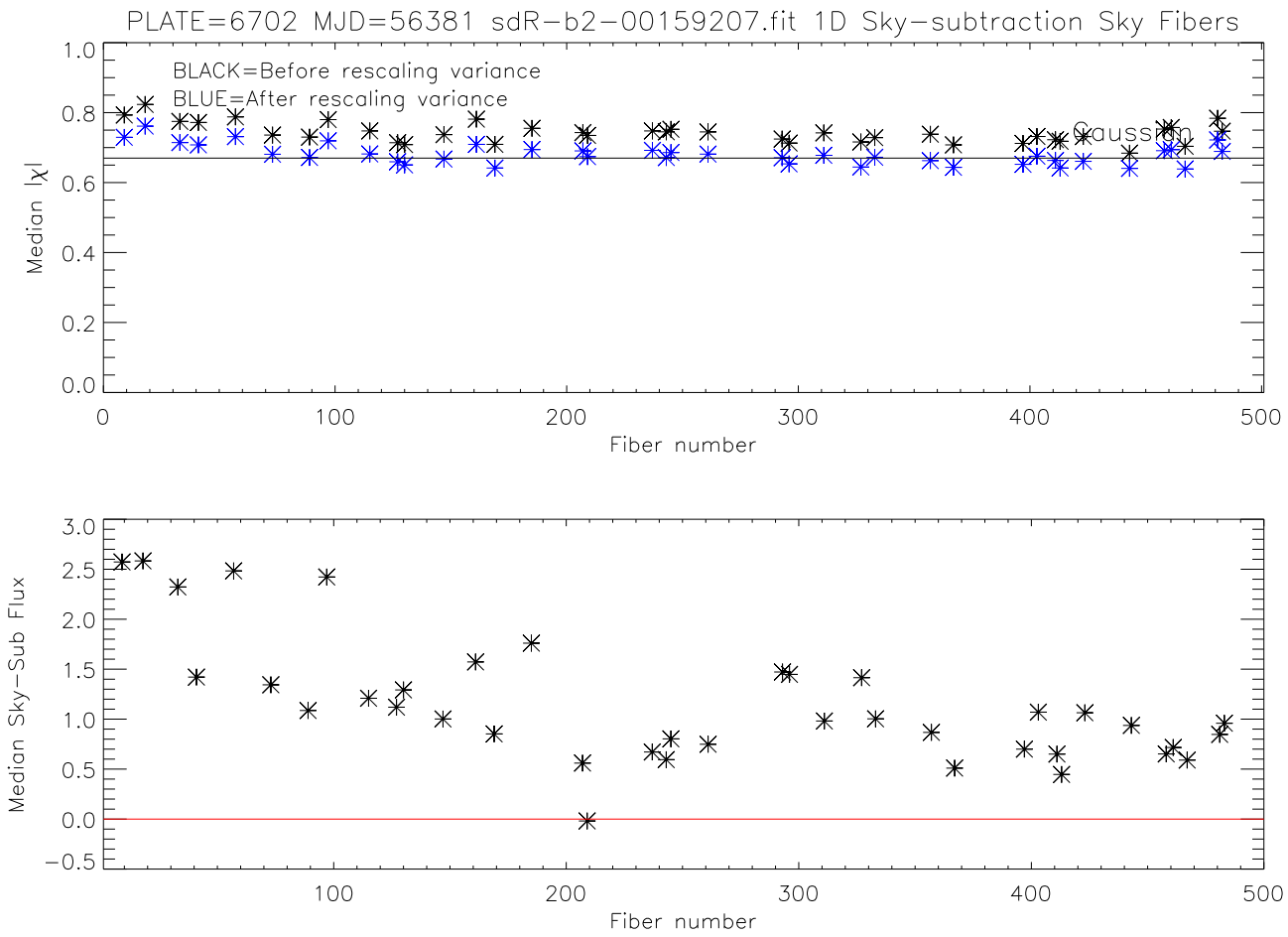

PLATE=6702 MJD=56381 Arcline Fit for sdR-b2-00159205.fit
Fiber Number
500
400
300
200
100
0
3000
4000
5000
6000
7000
λ [A] + 300 * Deviation
Ncoeff = 6
Deviation [pix]
0.15
0.10
0.05
−0.00
−0.05
−0.10
−0.15
3000
4000
5000
6000
7000
λ [A]
Wed Apr 16 10:47:23 2014


PLATE=6702 MJD=56381 Fiber−Flats for sdR−b2−00159206.fit
BLACK = Median value
ENVELOPE = 95% of points
GREEN = Outlier points
Min value = −1.296
Max value = 1.929
Fiber−Flat
1.5
1.0
0.5
0.0
3000
4000
5000
6000
7000
λ [A]
Wed Apr 16 10:47:52 2014

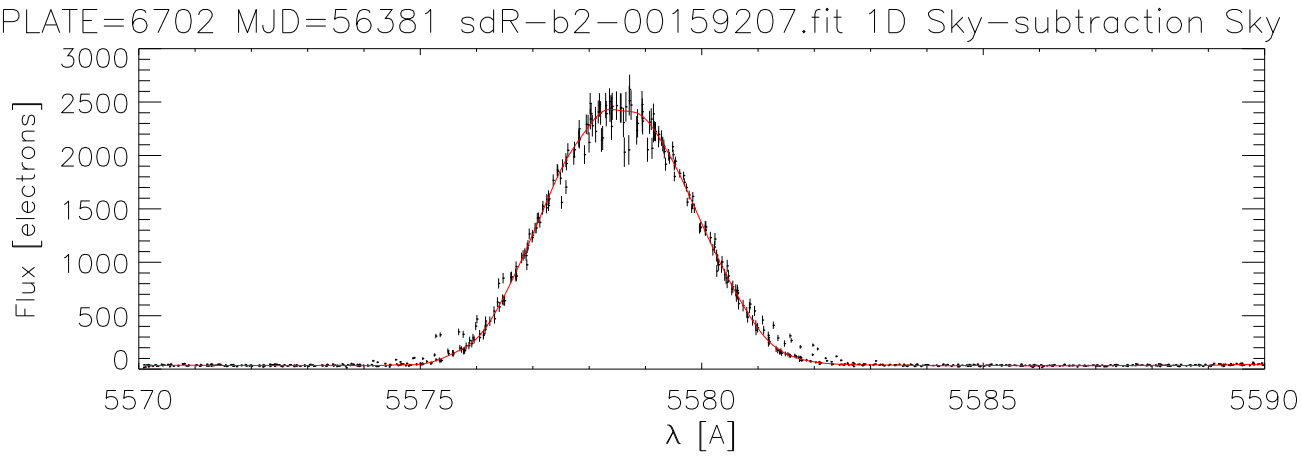

PLATE=6702 MJD=56381 Extraction chi^2 for sdR−b2−00159207.fit
BLACK = Final chisq extraction
χ^2
1.5
1.0
0.5
0.0
0
1000
2000
3000
4000
Row number

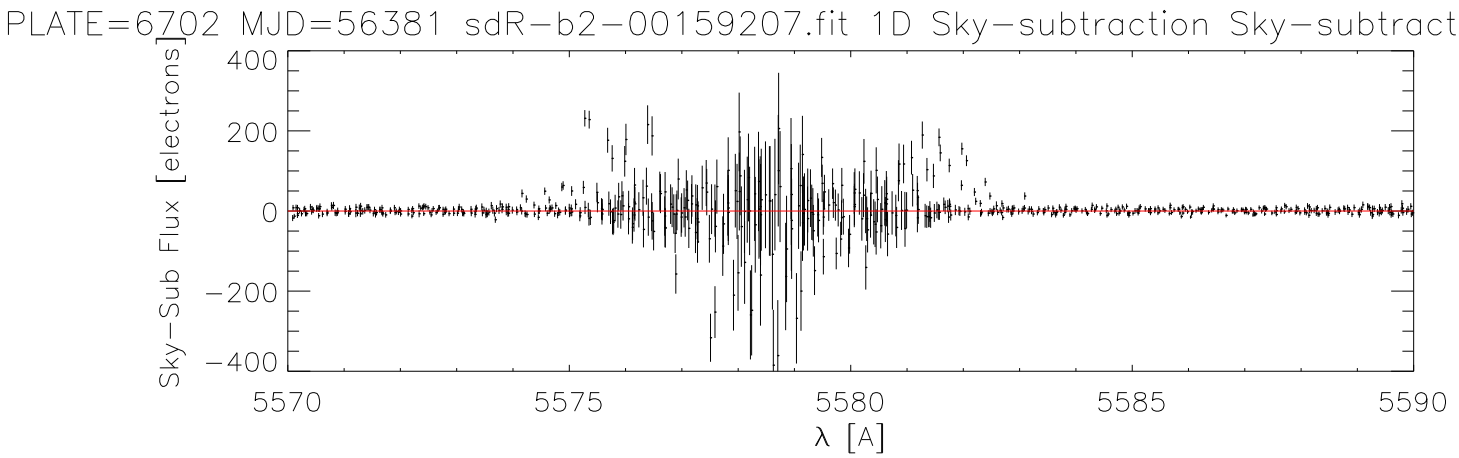

PLATE=6702 MJD=56381 Sky Line Deviations for sdR-b2-00159207.fit
1.00 pix
Before shift
After shift
Fiber Number
0
100
200
300
400
500
4046
4358
5460
5577
6300
6363
6553
6923
6949
Sky Line Wavelength


PLATE=6702 MJD=56381 Smooth superflat for sdR-b2-00159207.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)

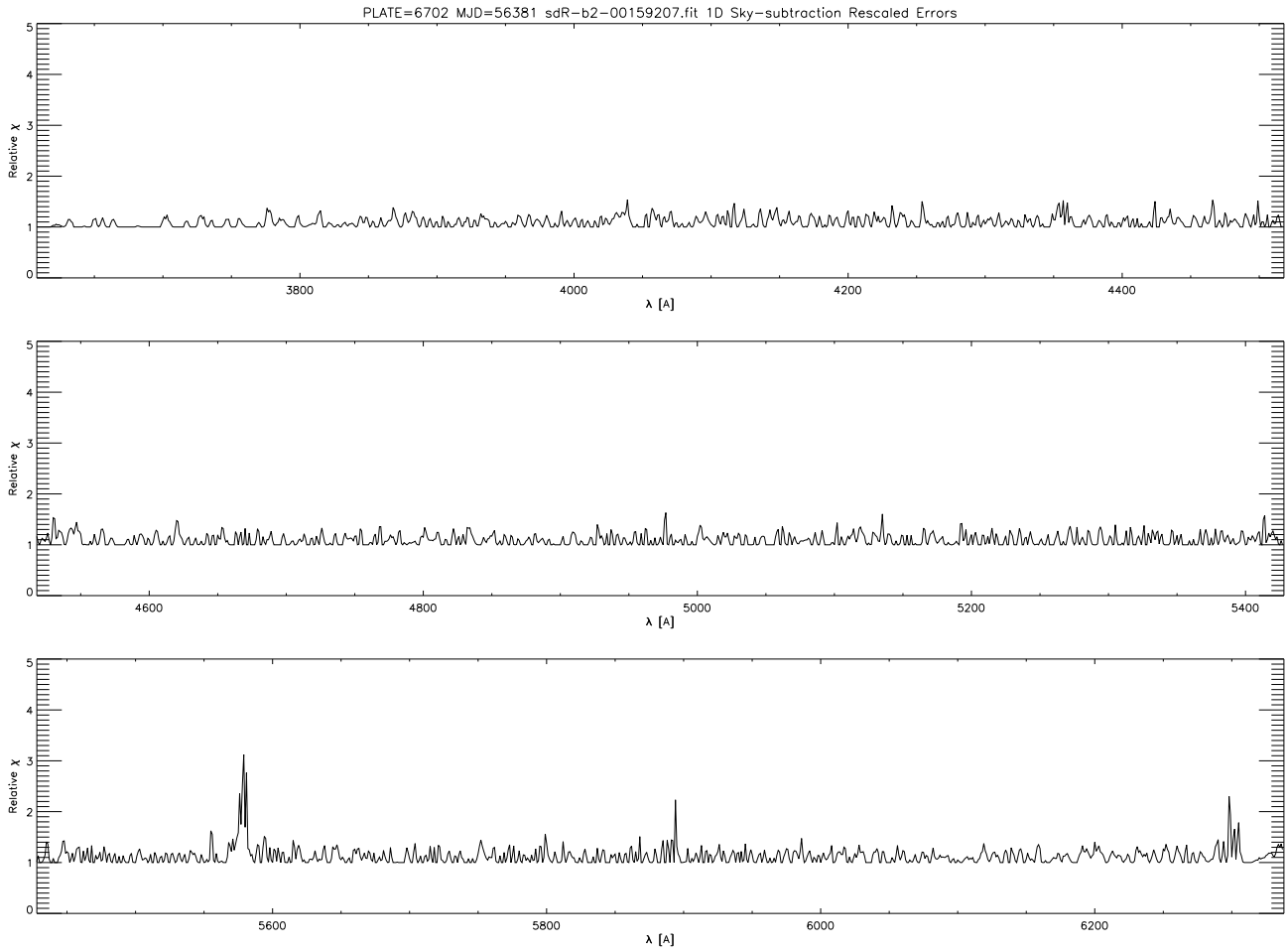

PLATE=6702 MJD=56381 sdR-b2-00159207.fit 1D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number

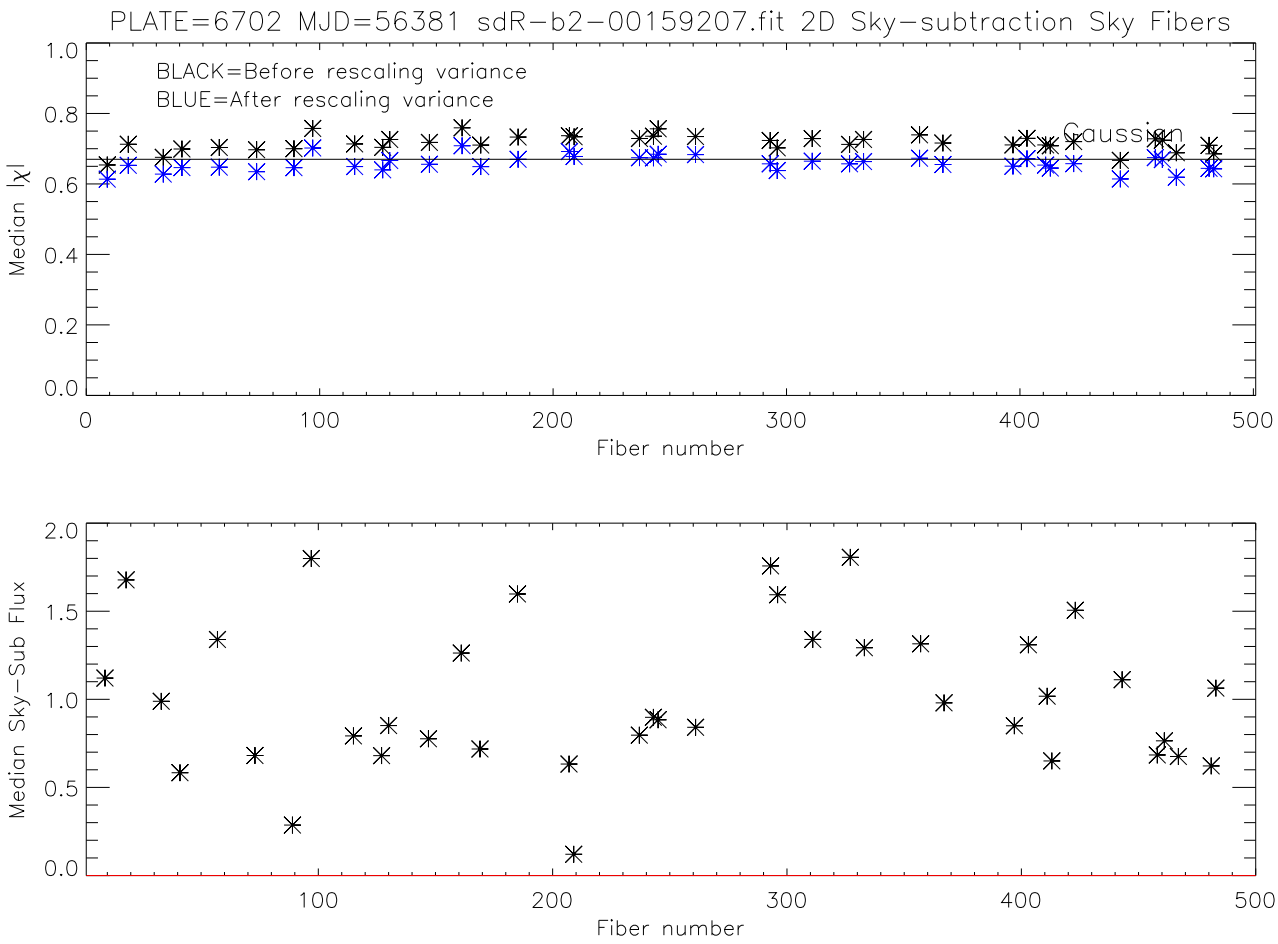
Median Sky-Sub Flux
Fiber number

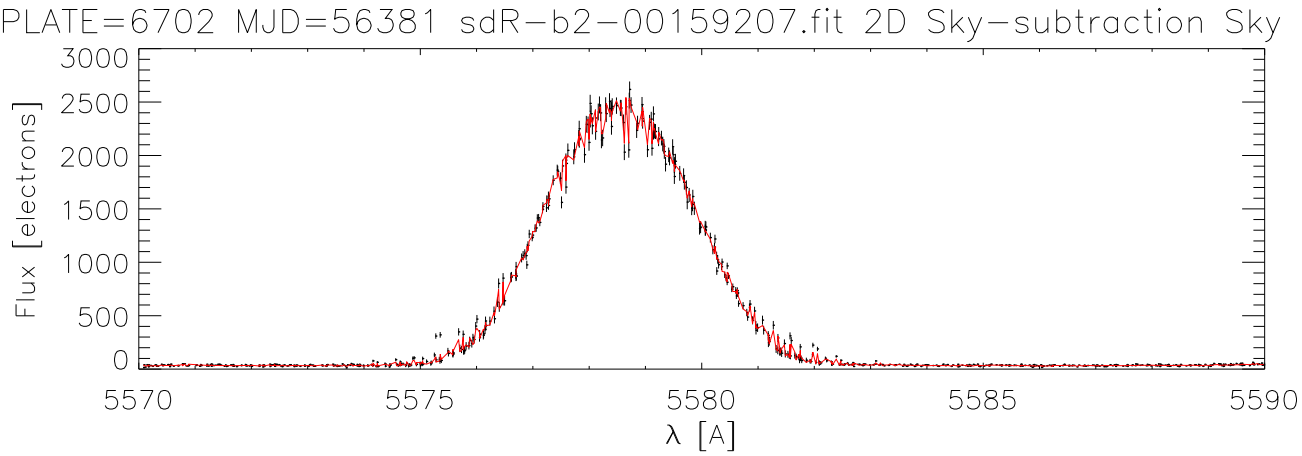

PLATE=6702 MJD=56381 sdR-b2-00159207.fit 1D Sky-subtraction Sky Fibers
Flux [electrons]
3000
2500
2000
1500
1000
500
0
5570
5575
5580
5585
5590
λ [A]

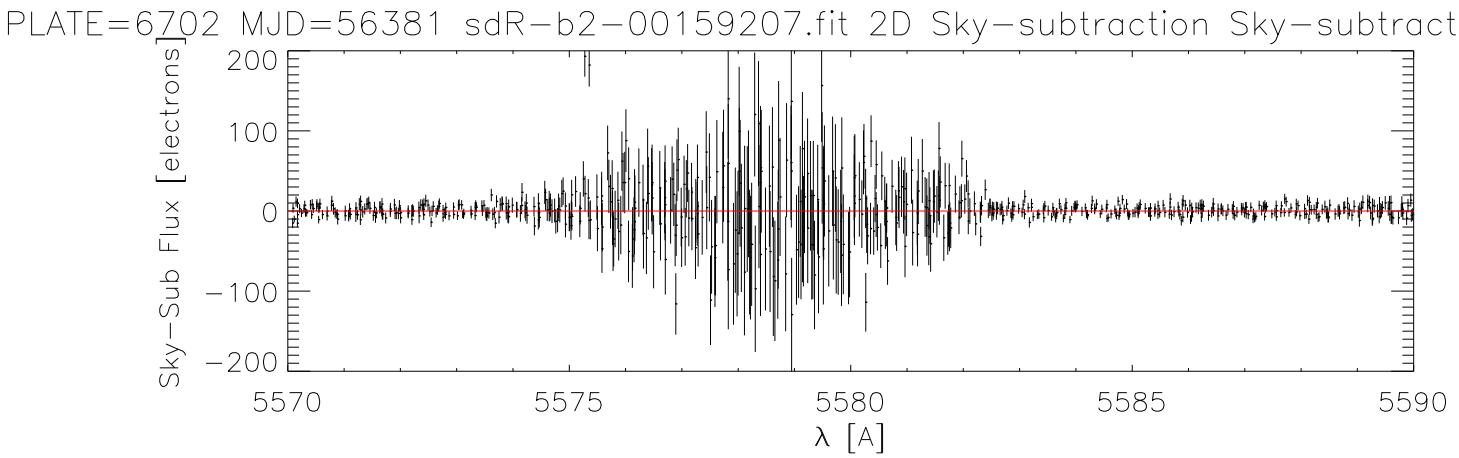

PLATE=6702 MJD=56381 sdR-b2-00159207.fit 1D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
400
200
0
-200
-400
5570
5575
5580
5585
5590
λ [A]

Number of sky fibers = 39

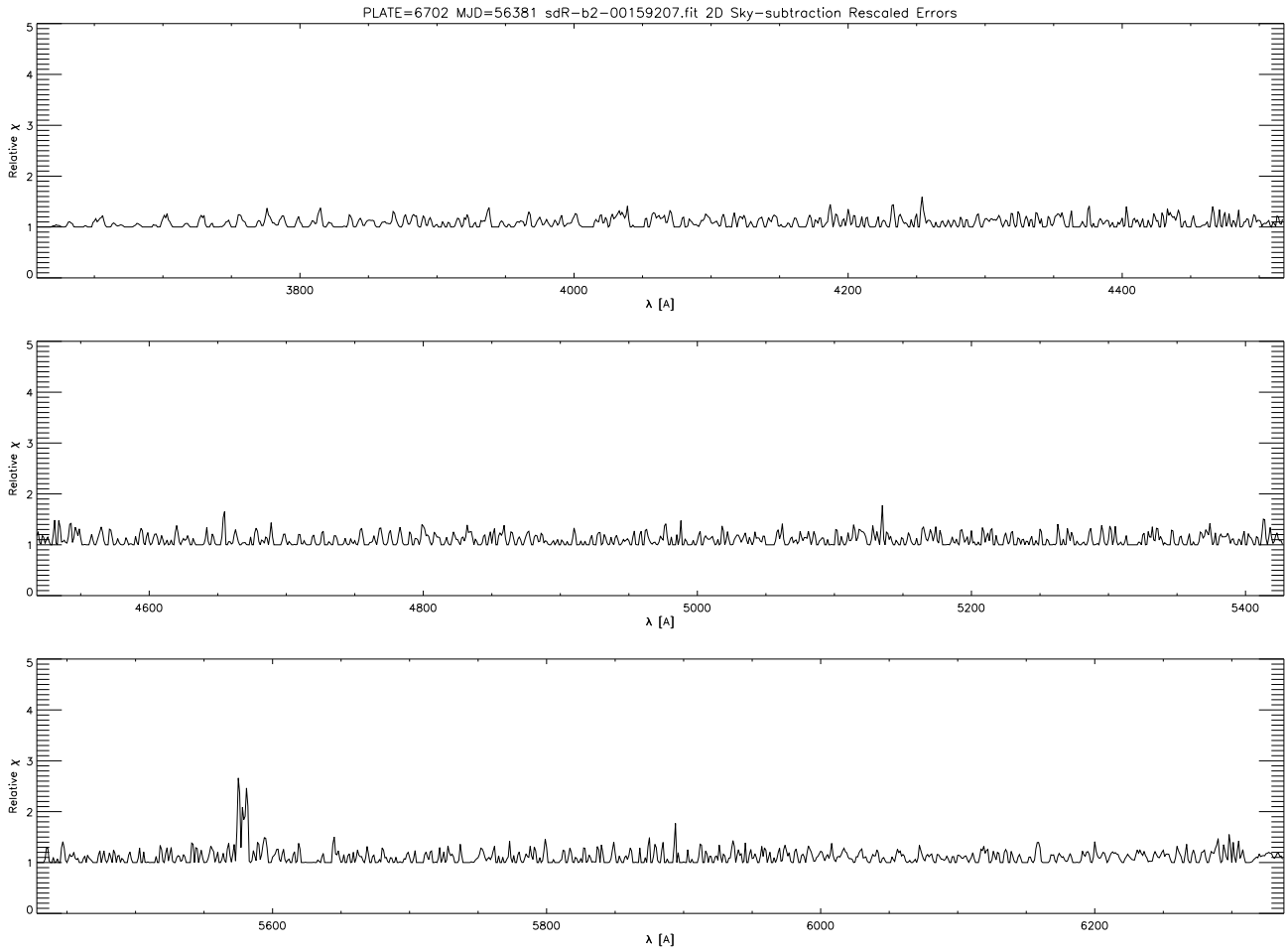


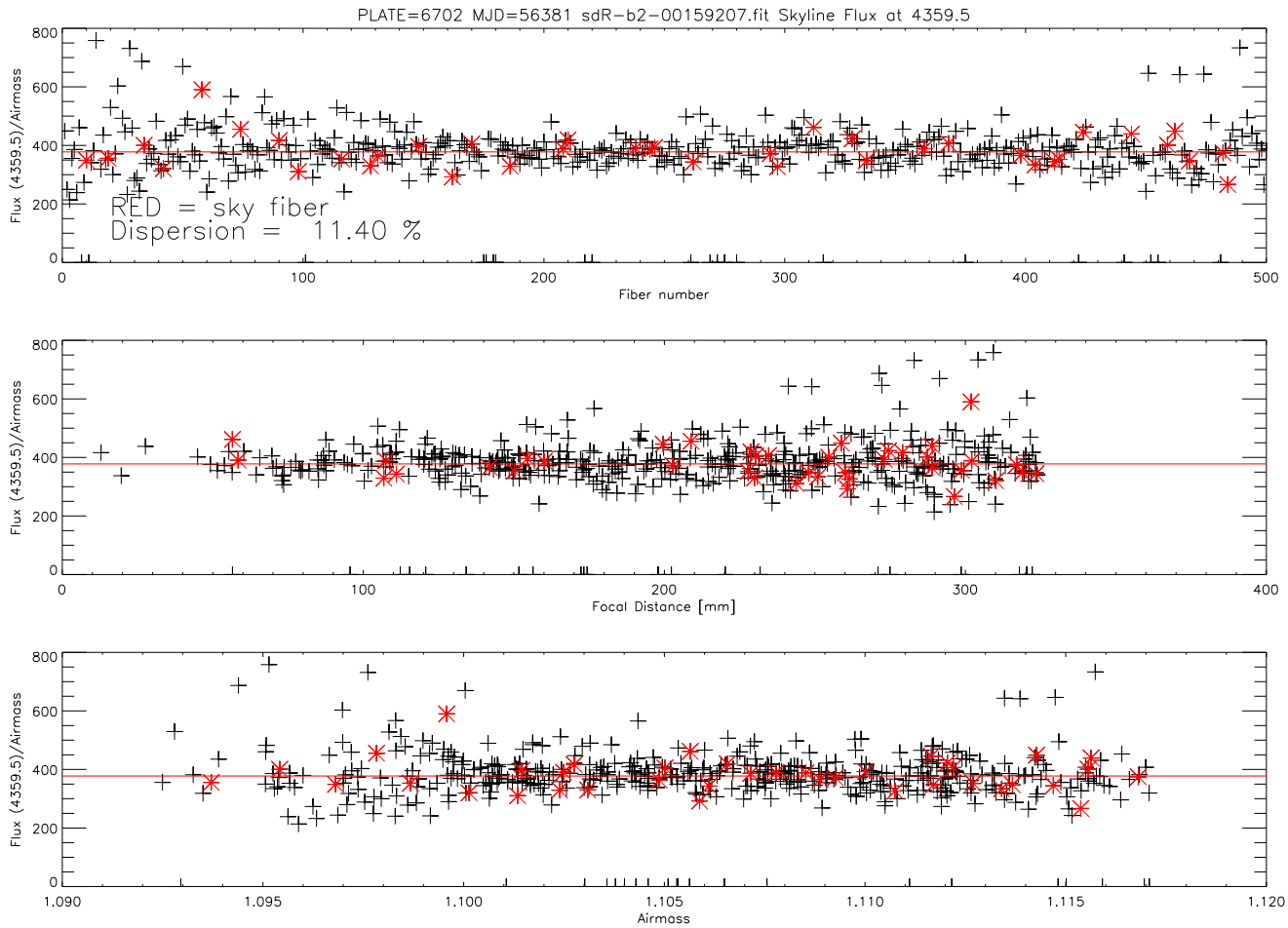

PLATE=6702 MJD=56381 sdR-b2-00159207.fit 2D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

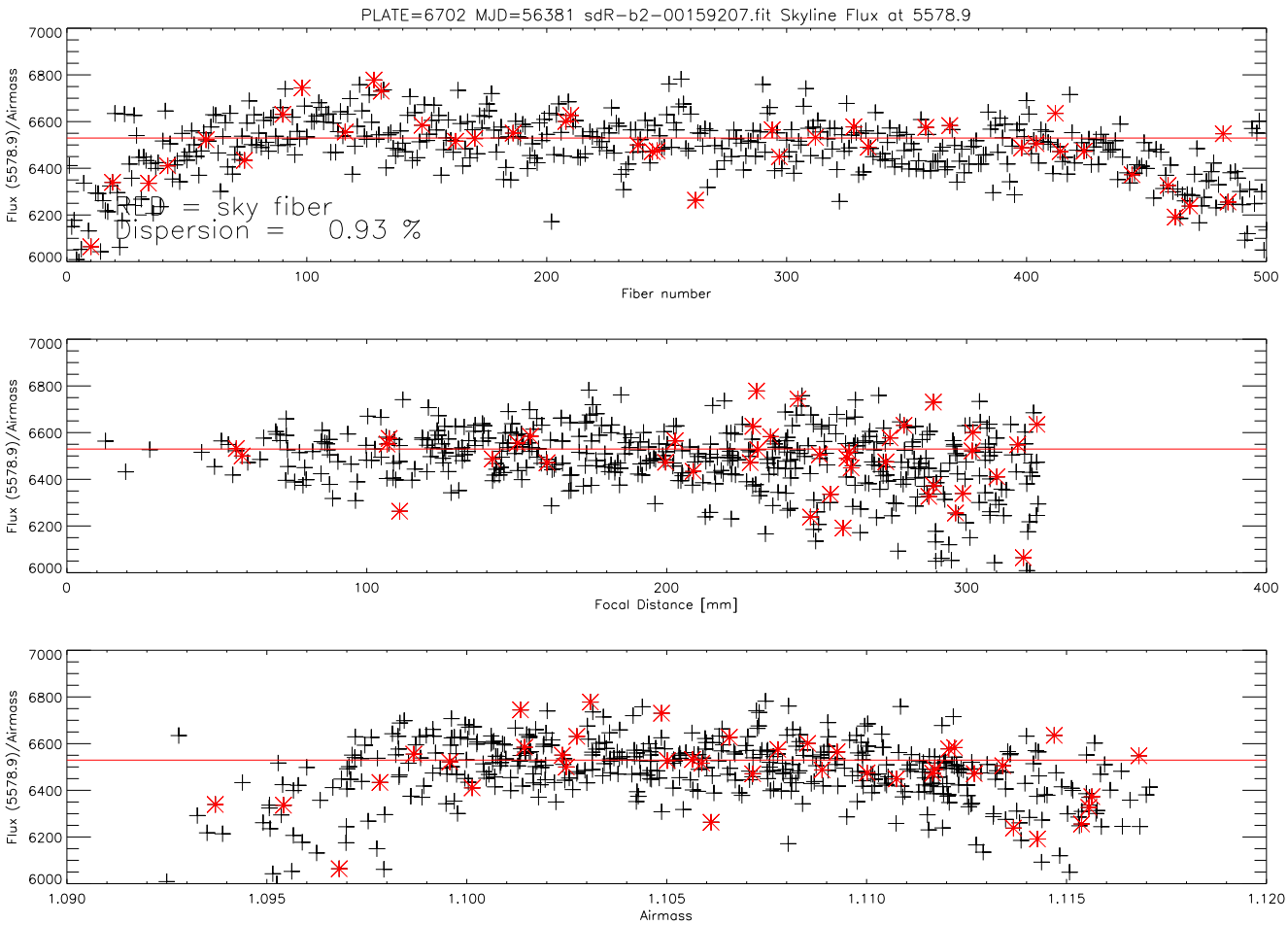

PLATE=6702 MJD=56381 sdR-b2-00159207.fit 2D Sky-subtraction Sky Fibers
Flux [electrons]
3000
2500
2000
1500
1000
500
0
5570
5575
5580
5585
5590
λ [A]

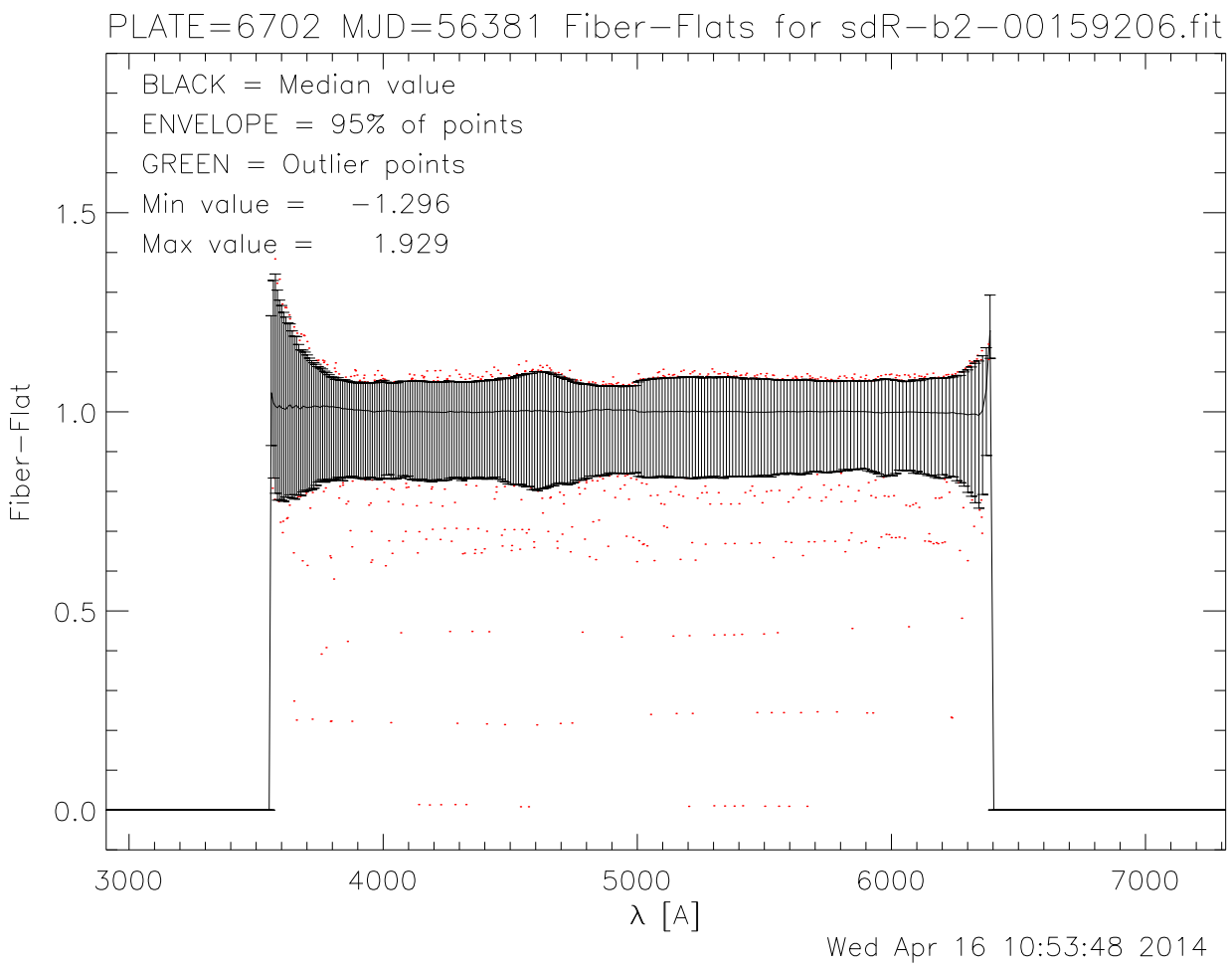

PLATE=6702 MJD=56381 sdR-b2-00159207.fit 2D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
200
100
0
-100
-200
5570
5575
5580
5585
5590
λ [A]

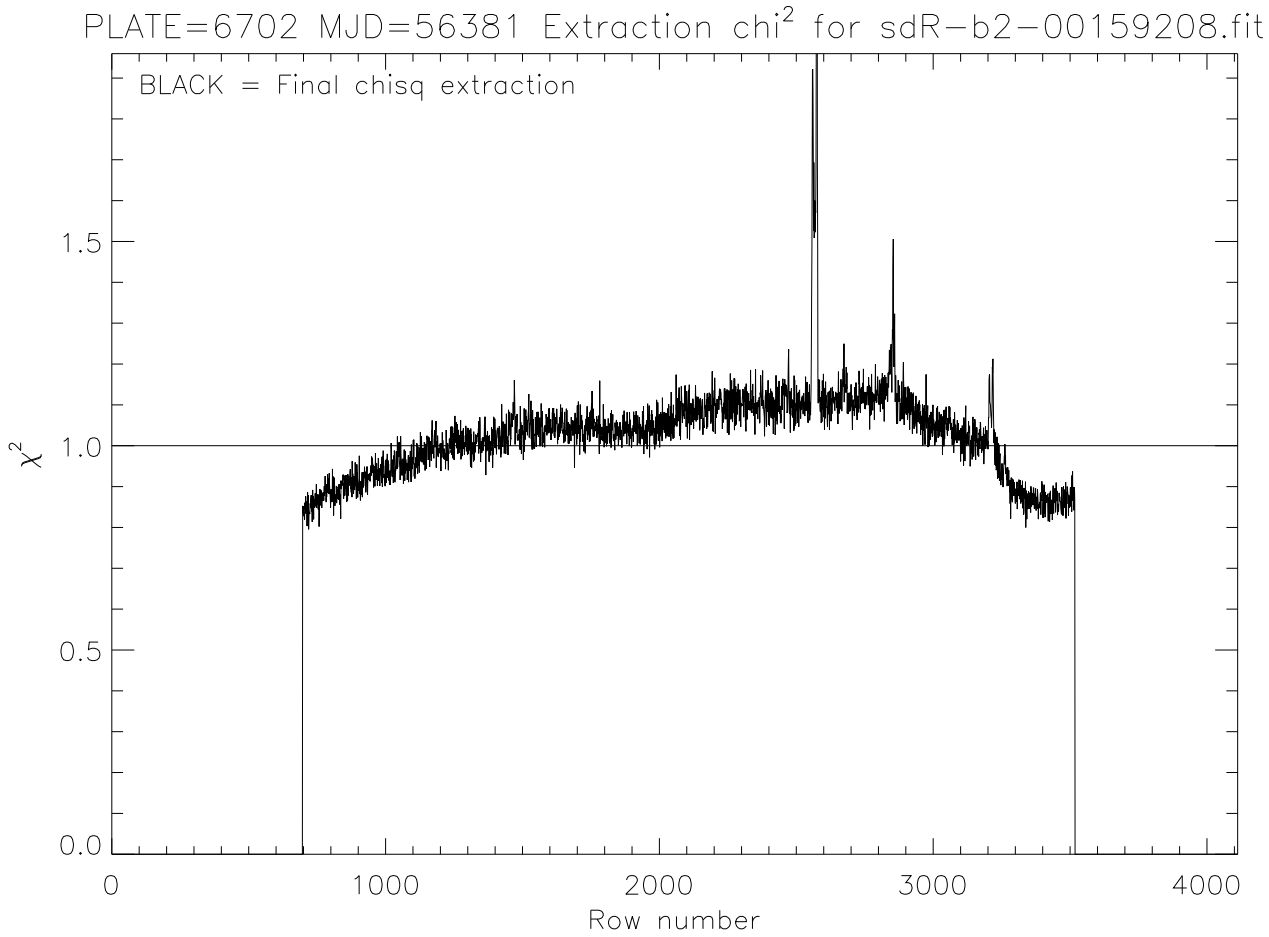
Number of sky fibers = 39

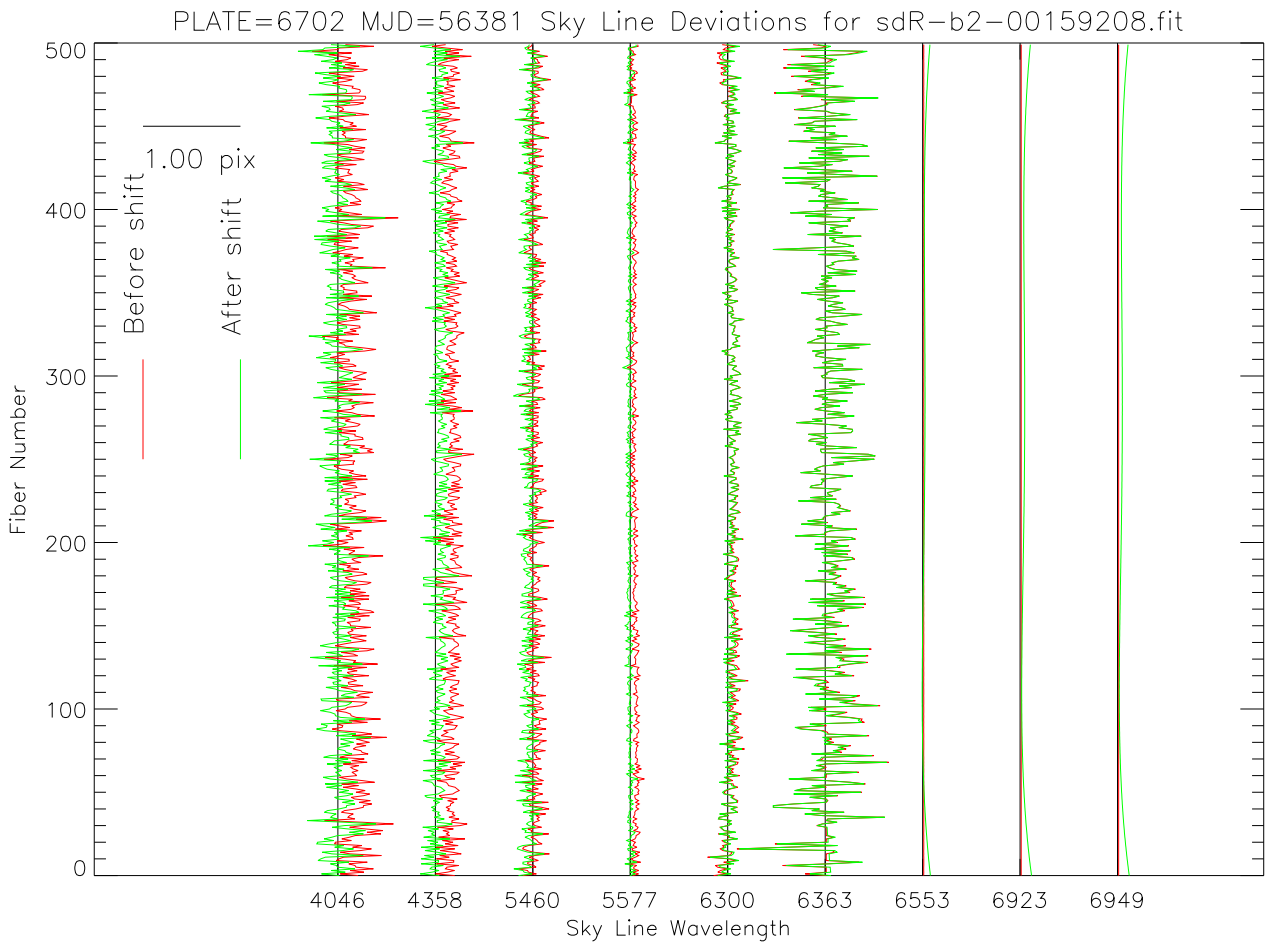


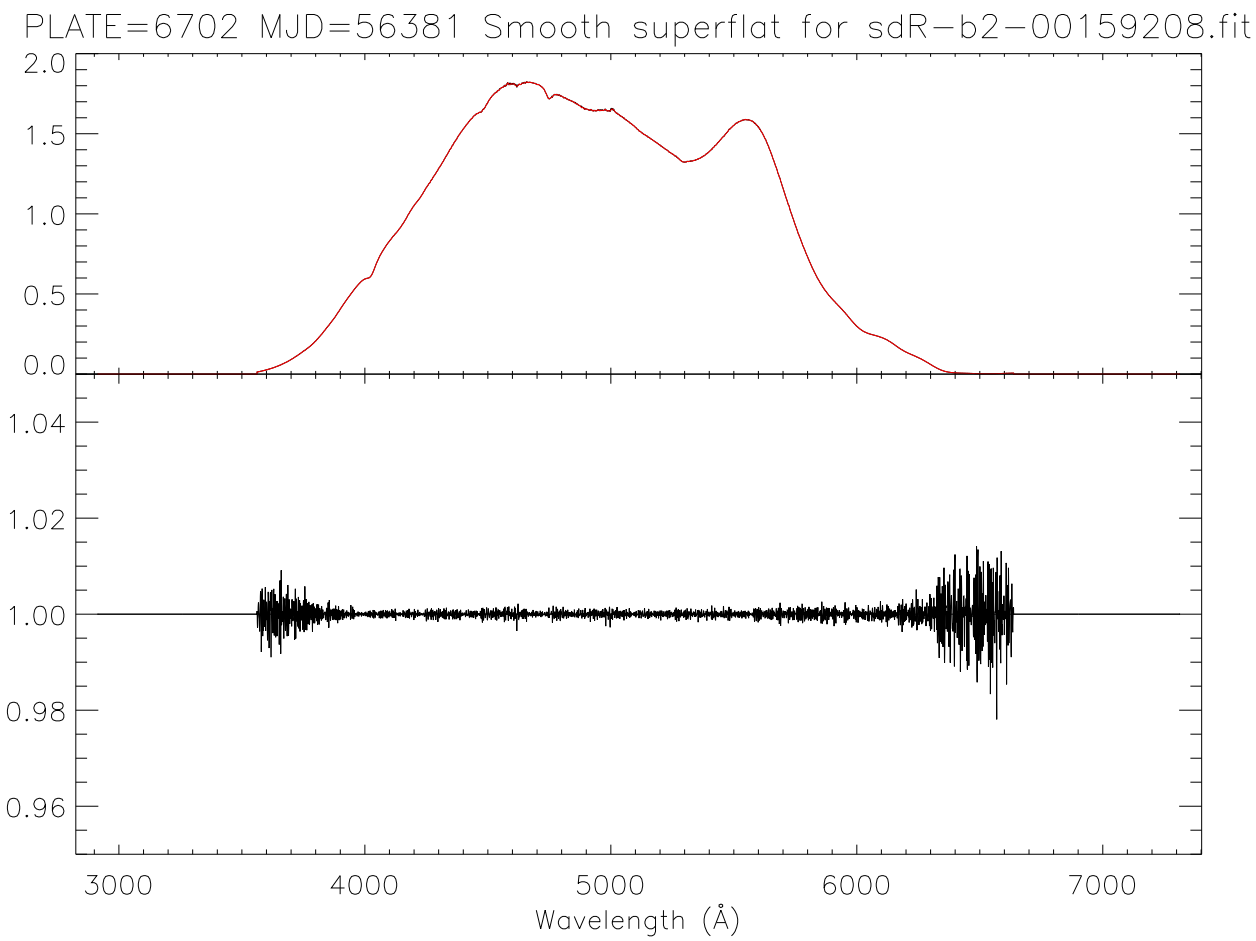

PLATE=6702 MJD=56381 sdR-b2-00159207.fit Skyline Flux at 4359.5
Flux (4359.5)/Airmass
RED = sky fiber
Dispersion = 11.40 %
Fiber number
Flux (4359.5)/Airmass
Focal Distance [mm]
Flux (4359.5)/Airmass
Airmass

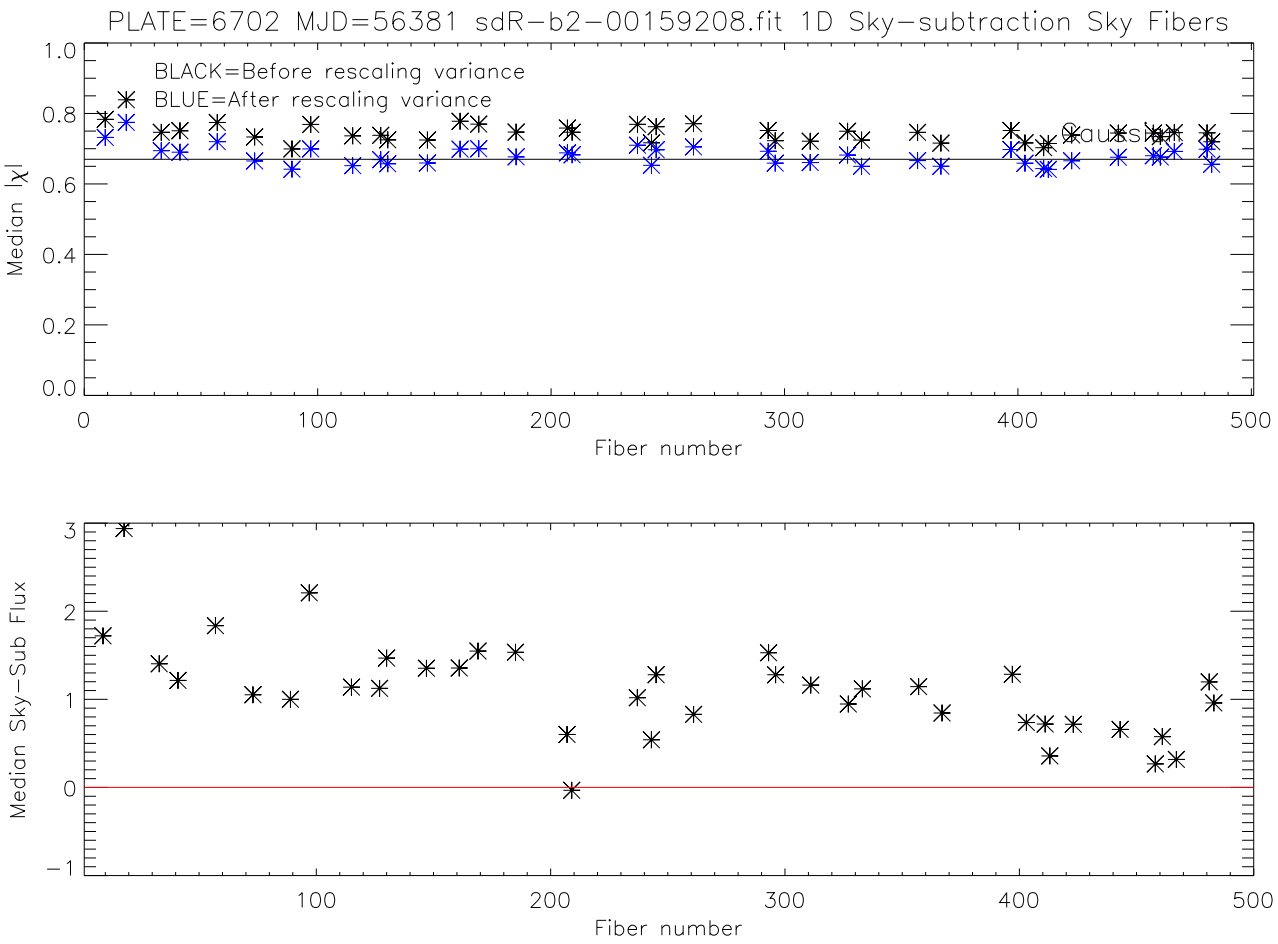

PLATE=6702 MJD=56381 sdR-b2-00159207.fit Skyline Flux at 5578.9
Red = sky fiber
Dispersion = 0.93 %
Flux (5578.9)/Airmass
Fiber number
Focal Distance [mm]
Airmass

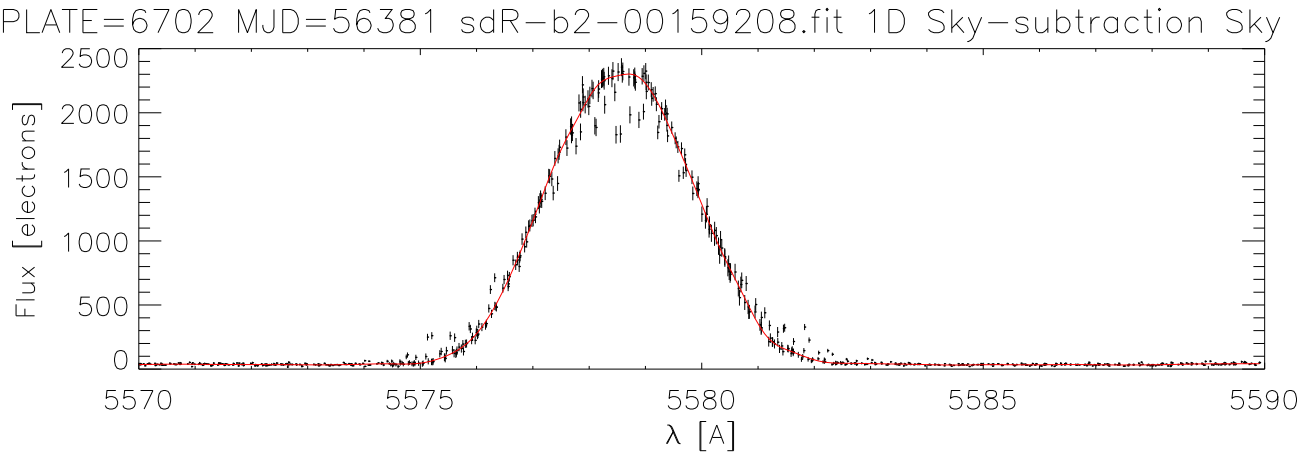

PLATE=6702 MJD=56381 Fiber-Flats for sdR-b2-00159206.fit
BLACK = Median value
ENVELOPE = 95% of points
GREEN = Outlier points
Min value = -1.296
Max value = 1.929
Fiber-Flat
1.5
1.0
0.5
0.0
3000
4000
5000
6000
7000
λ [A]
Wed Apr 16 10:53:48 2014

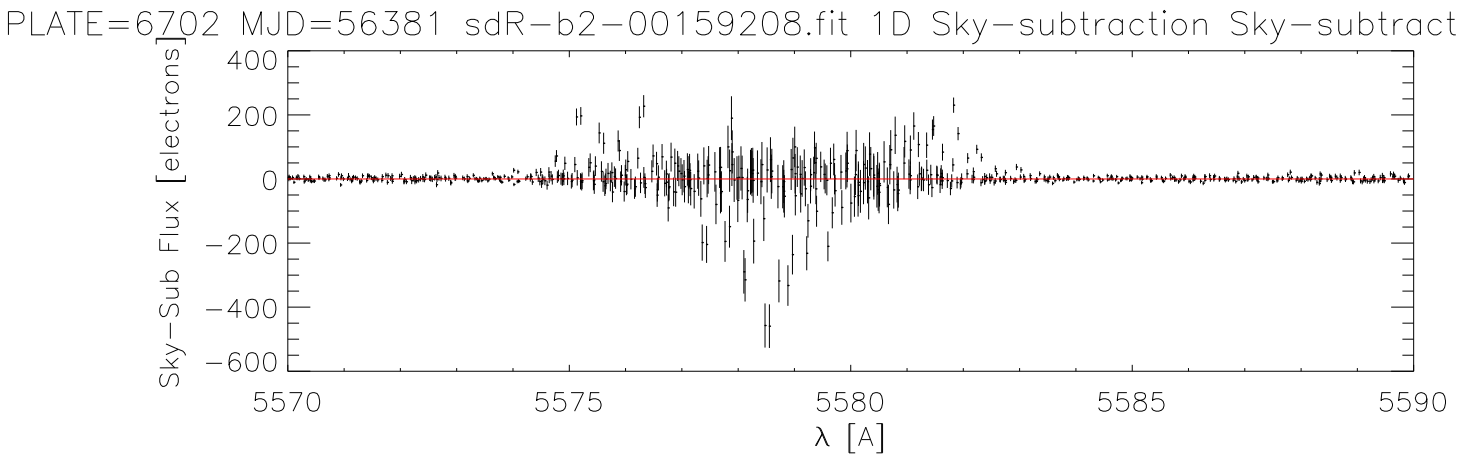

PLATE=6702 MJD=56381 Extraction chi^2 for sdR−b2−00159208.fit
BLACK = Final chisq extraction
χ^2
1.5
1.0
0.5
0.0
0
1000
2000
3000
4000
Row number


PLATE=6702 MJD=56381 Sky Line Deviations for sdR-b2-00159208.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

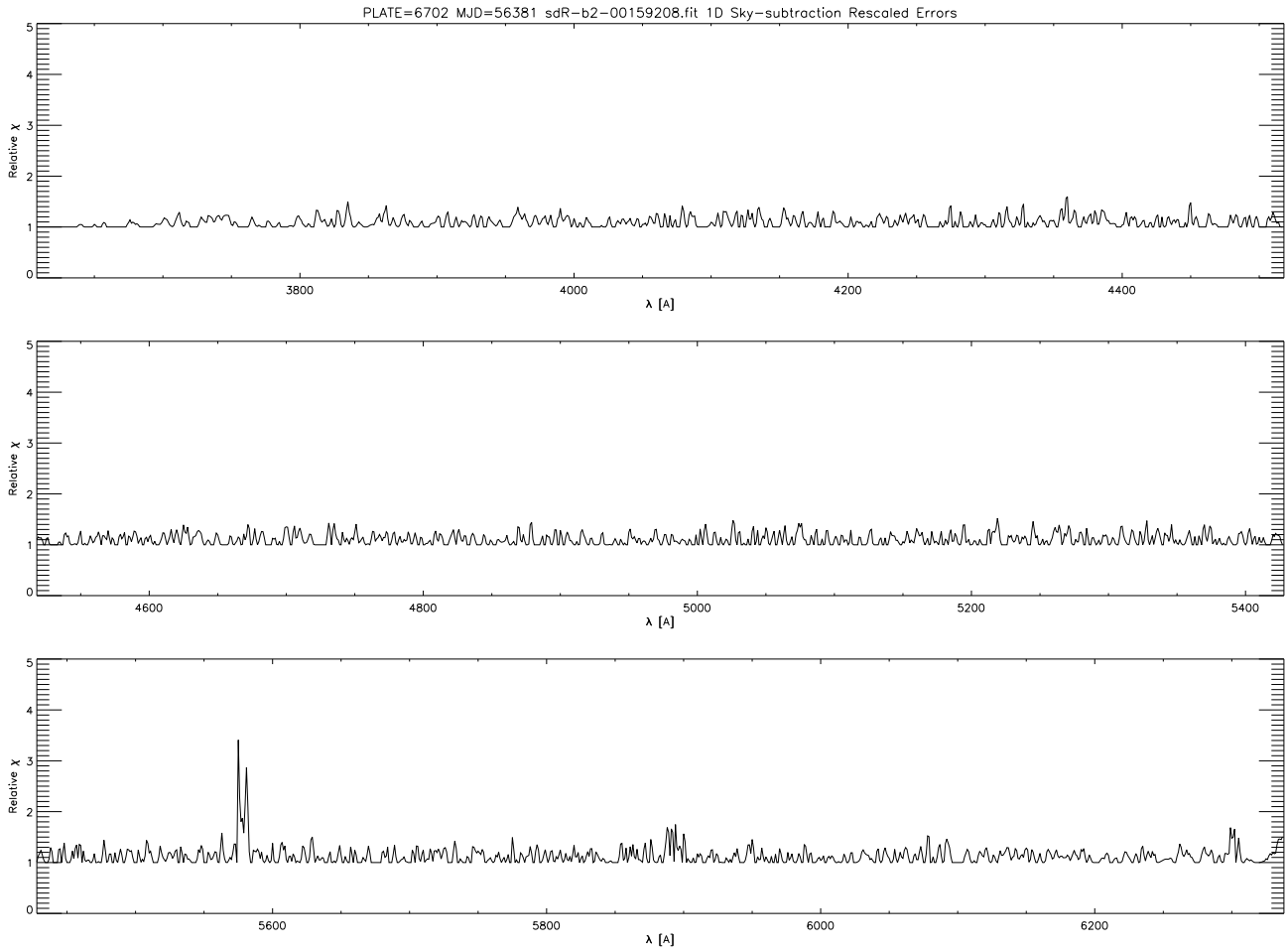

PLATE=6702 MJD=56381 Smooth superflat for sdR-b2-00159208.fit
2.0
1.5
1.0
0.5
0.0
1.04
1.02
1.00
0.98
0.96
3000
4000
5000
6000
7000
Wavelength (Å)

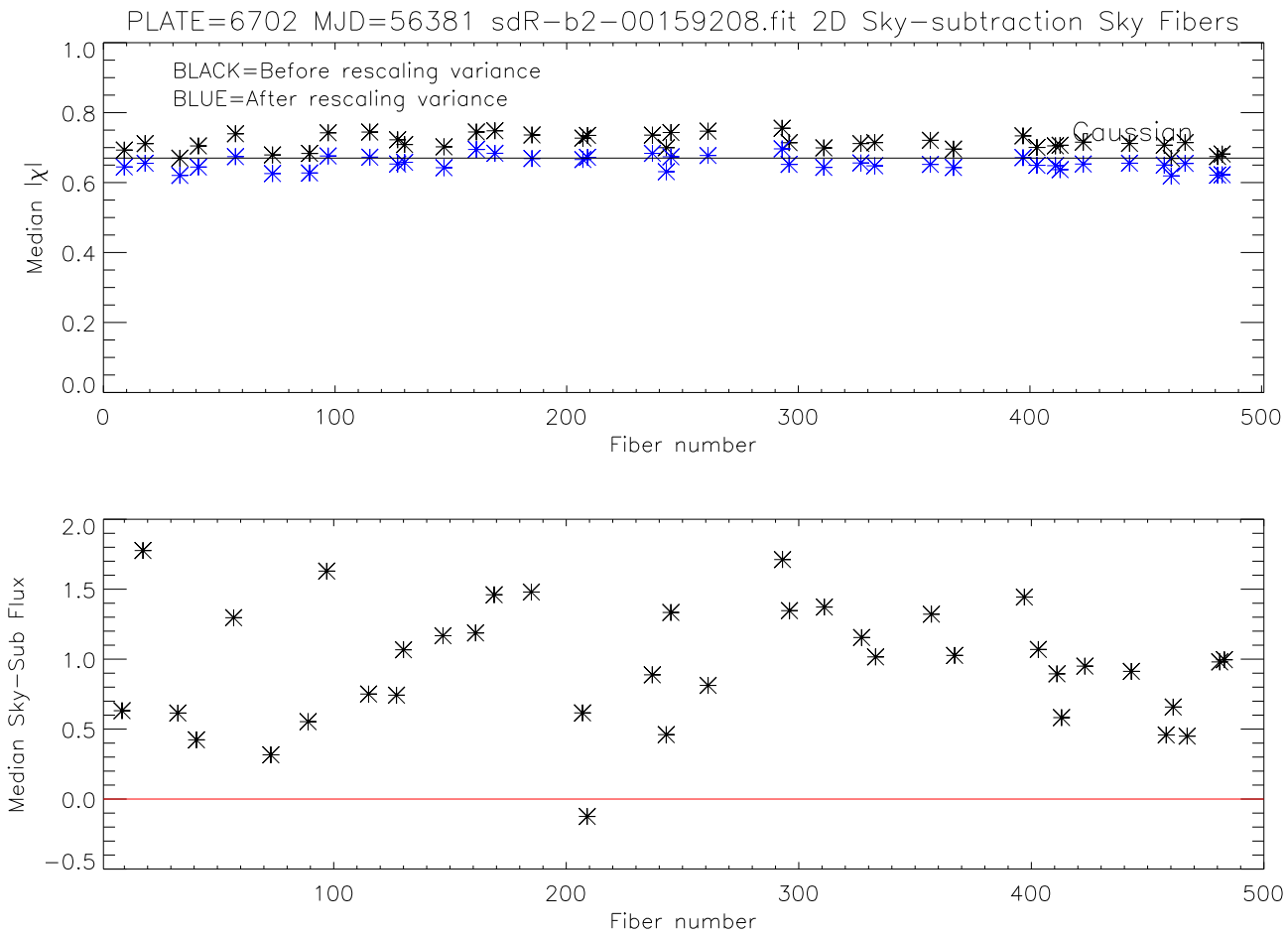

PLATE=6702 MJD=56381 sdR-b2-00159208.fit 1D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

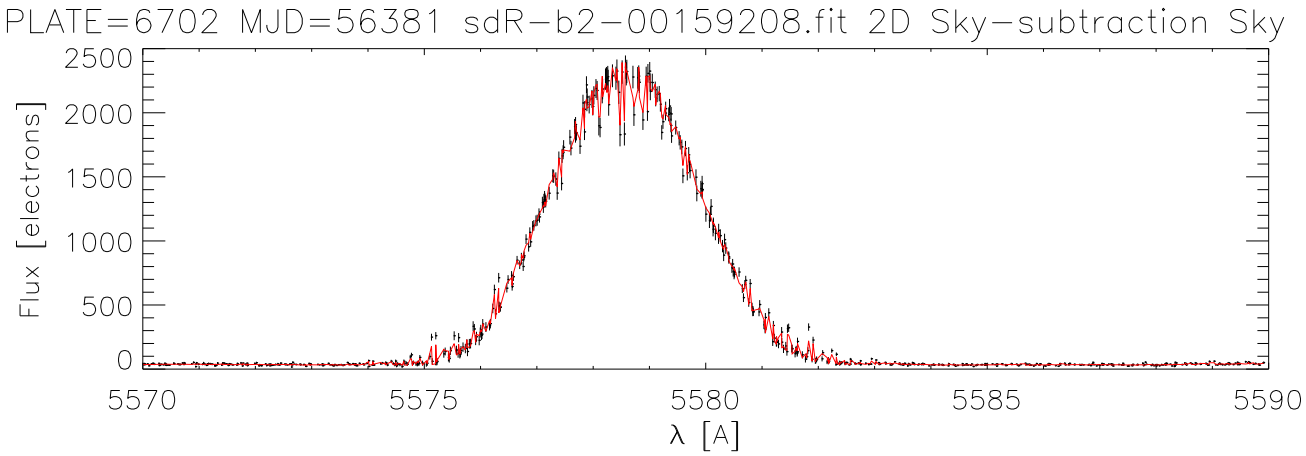

PLATE=6702 MJD=56381 sdR-b2-00159208.fit 1D Sky-subtraction Sky Fibers
Flux [electrons]
2500
2000
1500
1000
500
0
5570
5575
5580
5585
5590
λ [A]

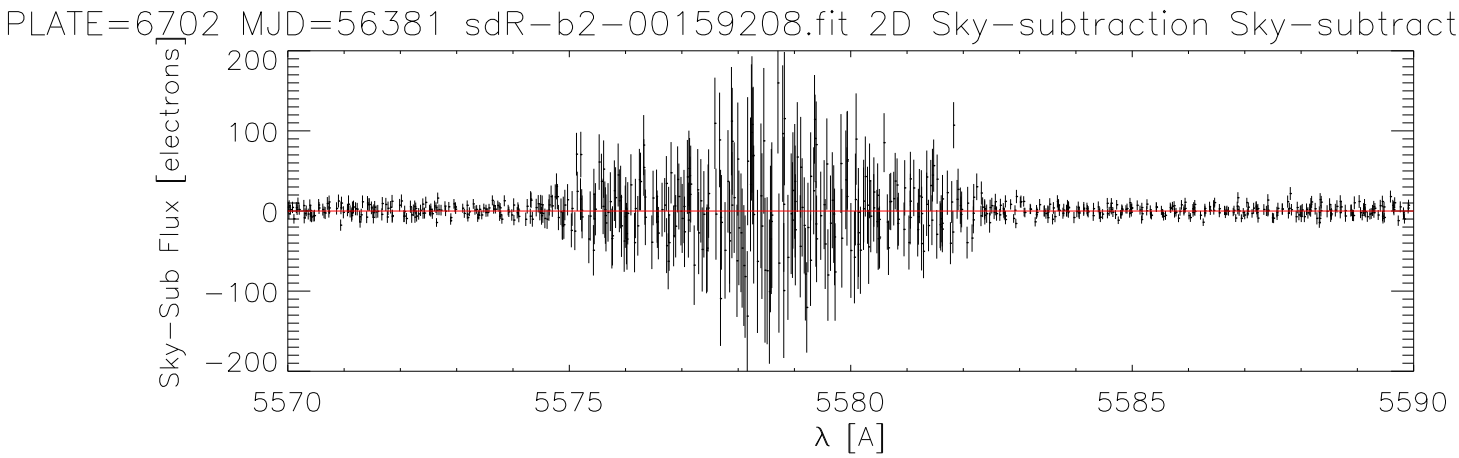

PLATE=6702 MJD=56381 sdR-b2-00159208.fit 1D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
400
200
0
-200
-400
-600
5570
5575
5580
5585
5590
λ [A]

Number of sky fibers = 39

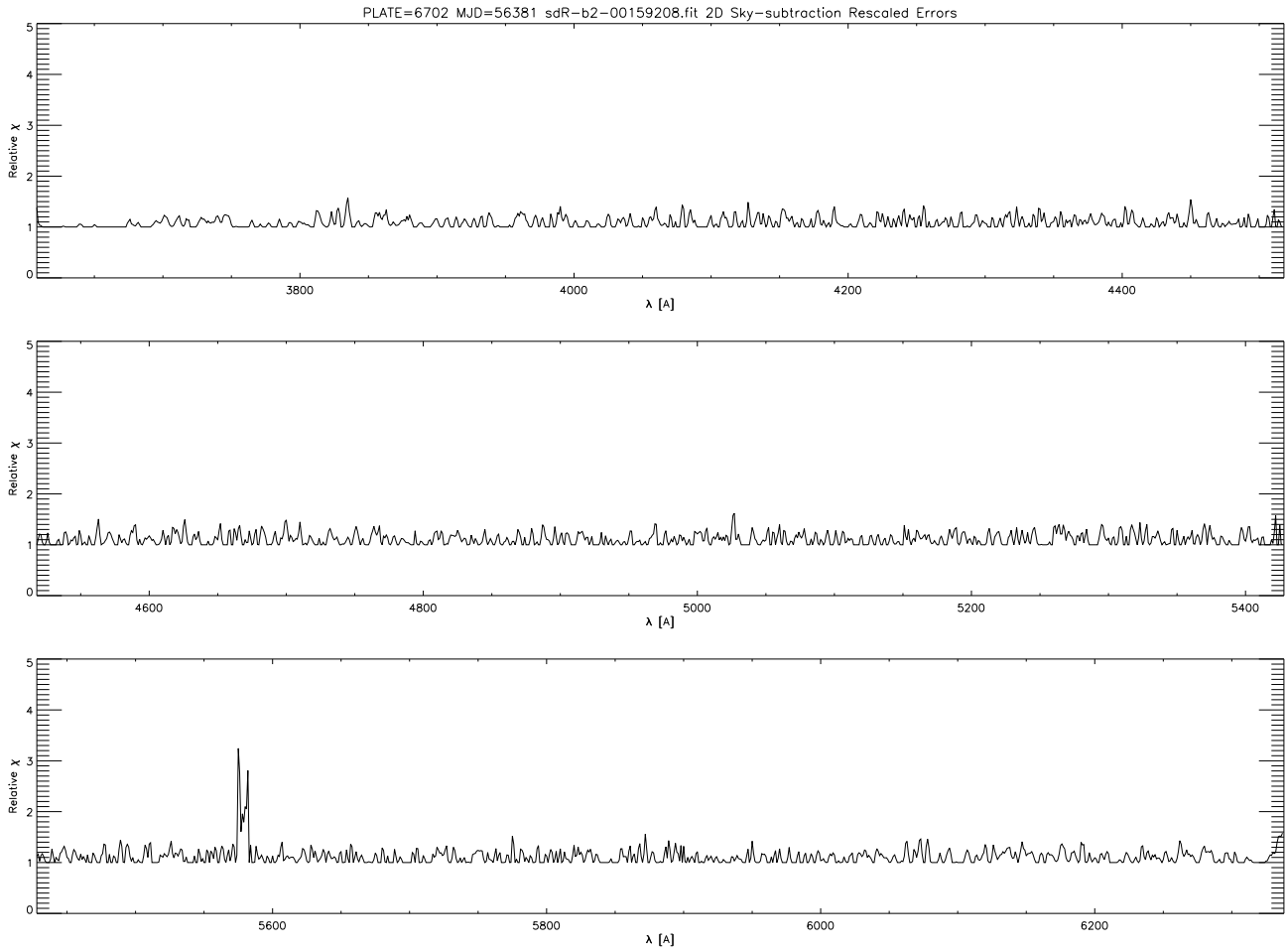


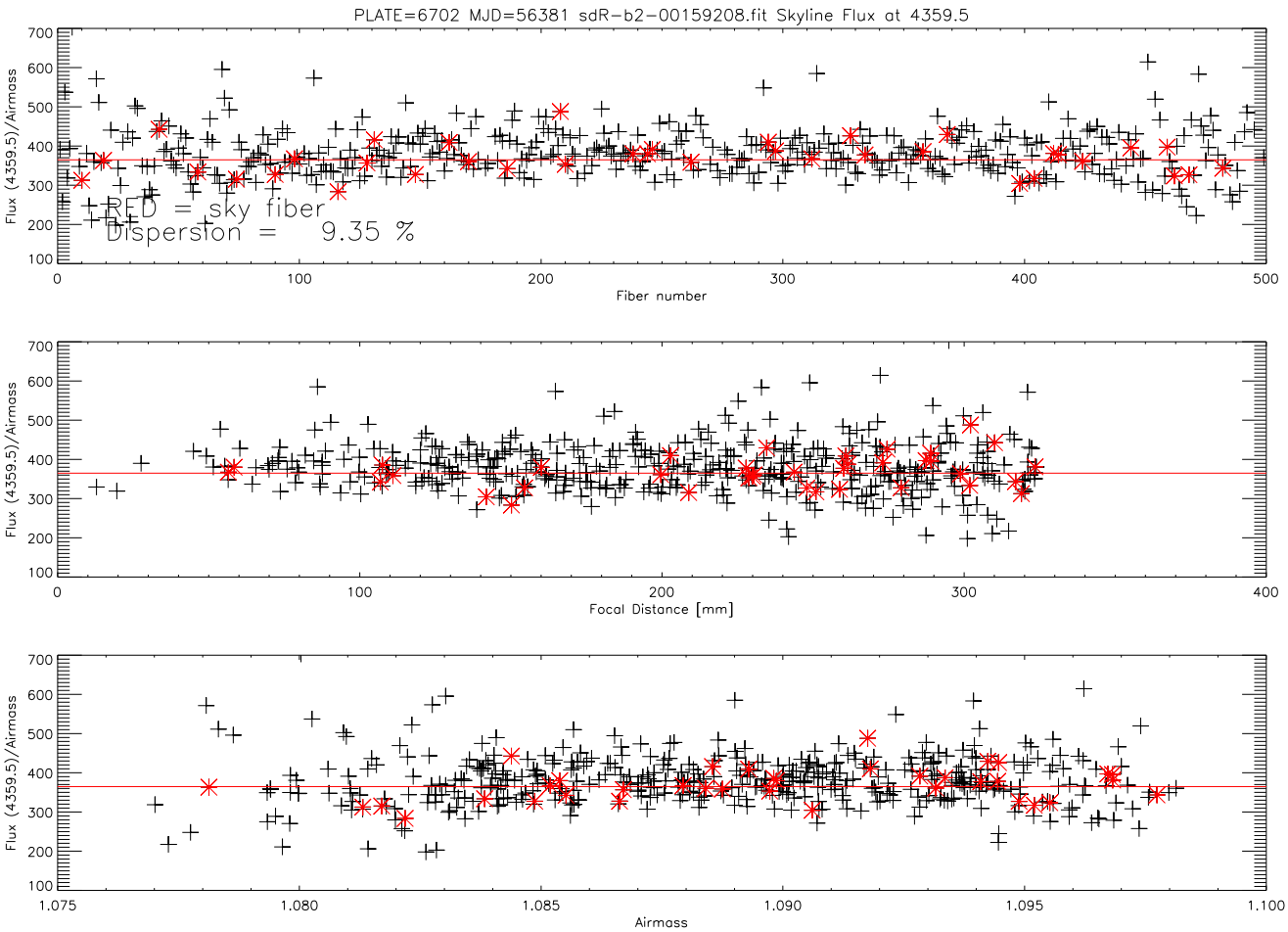

PLATE=6702 MJD=56381 sdR-b2-00159208.fit 2D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

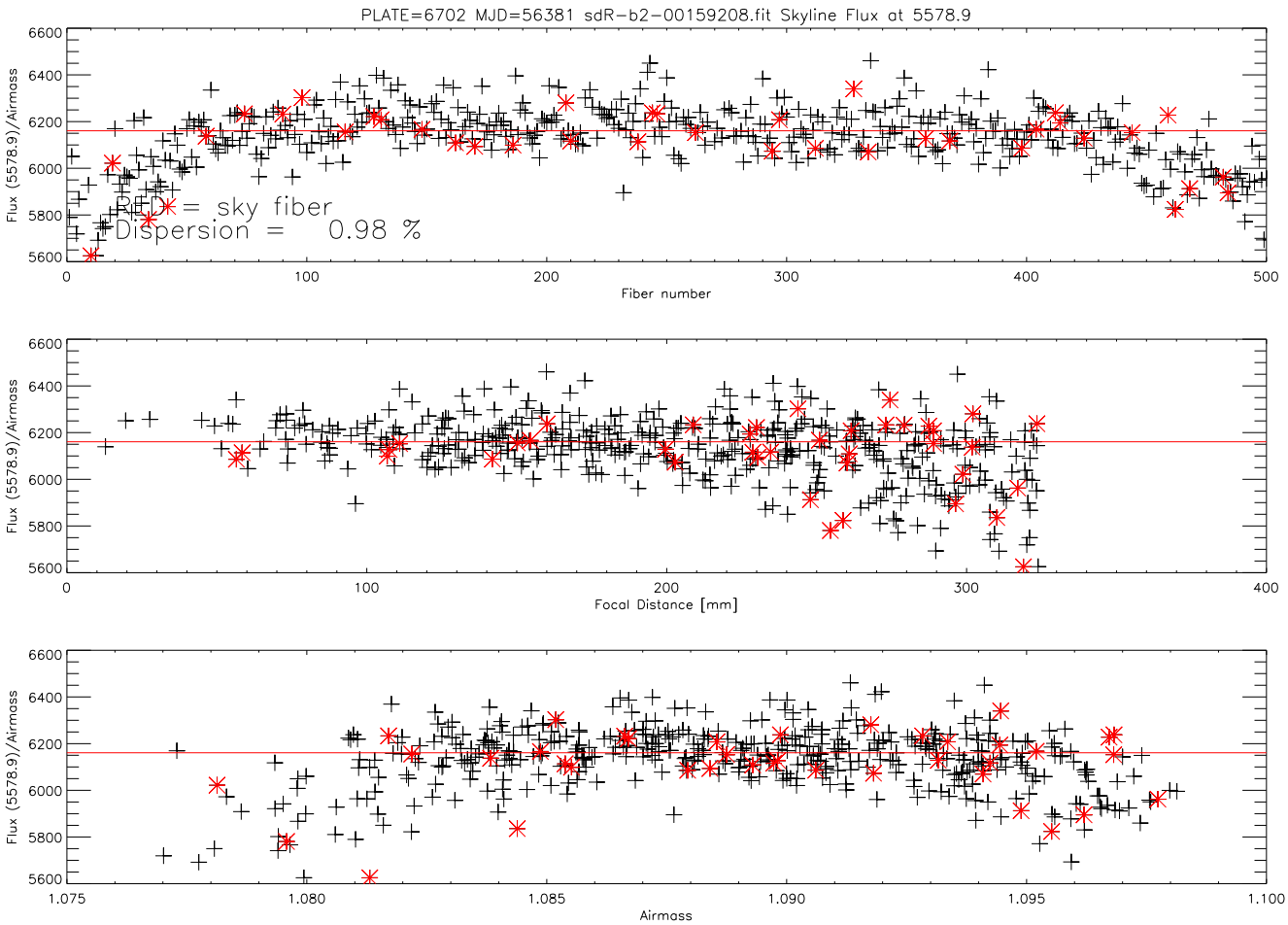

PLATE=6702 MJD=56381 sdR-b2-00159208.fit 2D Sky-subtraction Sky Fibers
Flux [electrons]
2500
2000
1500
1000
500
0
5570
5575
5580
5585
5590
λ [A]

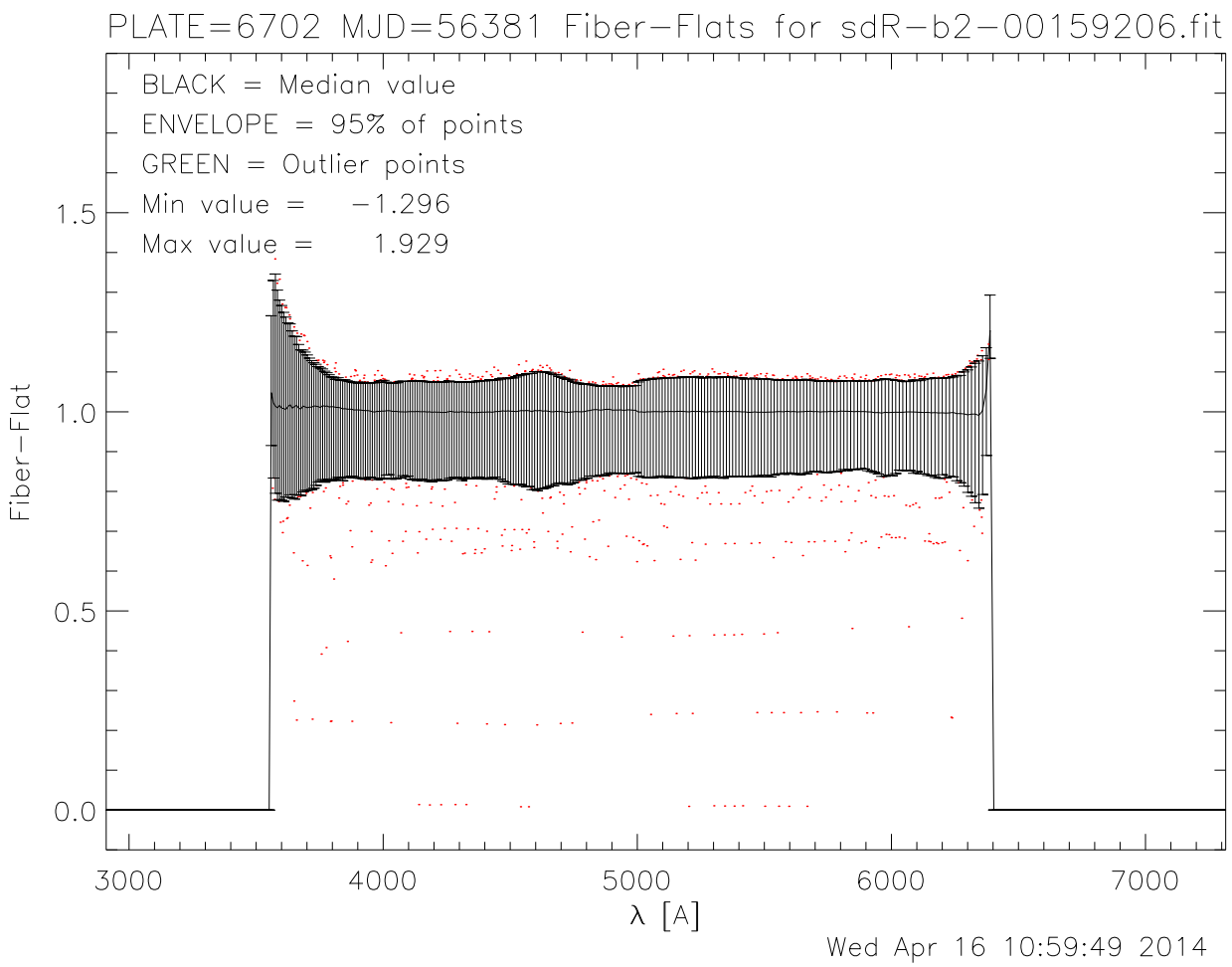

PLATE=6702 MJD=56381 sdR-b2-00159208.fit 2D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
200
100
0
-100
-200
5570
5575
5580
5585
5590
λ [A]

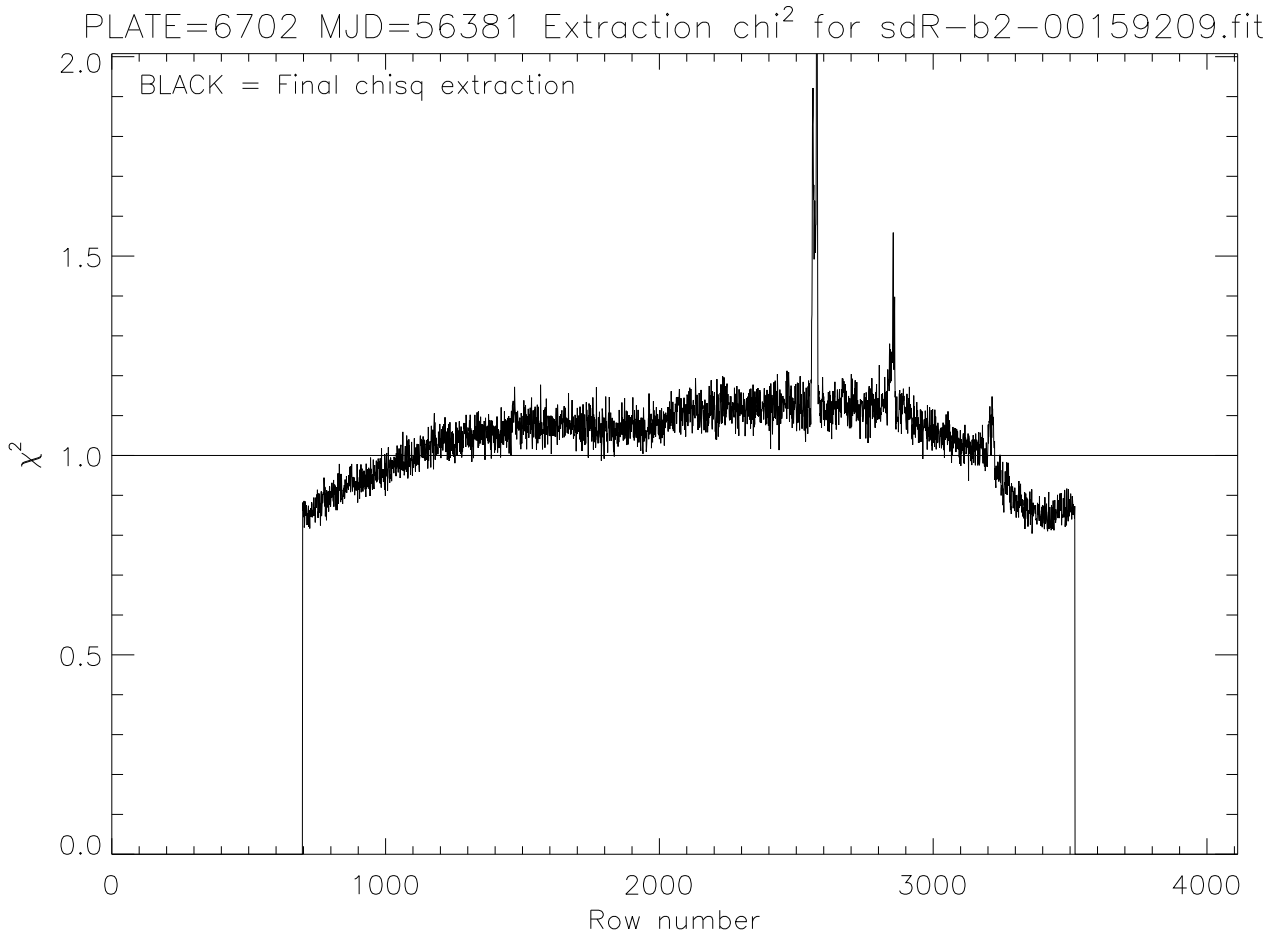
Number of sky fibers = 39

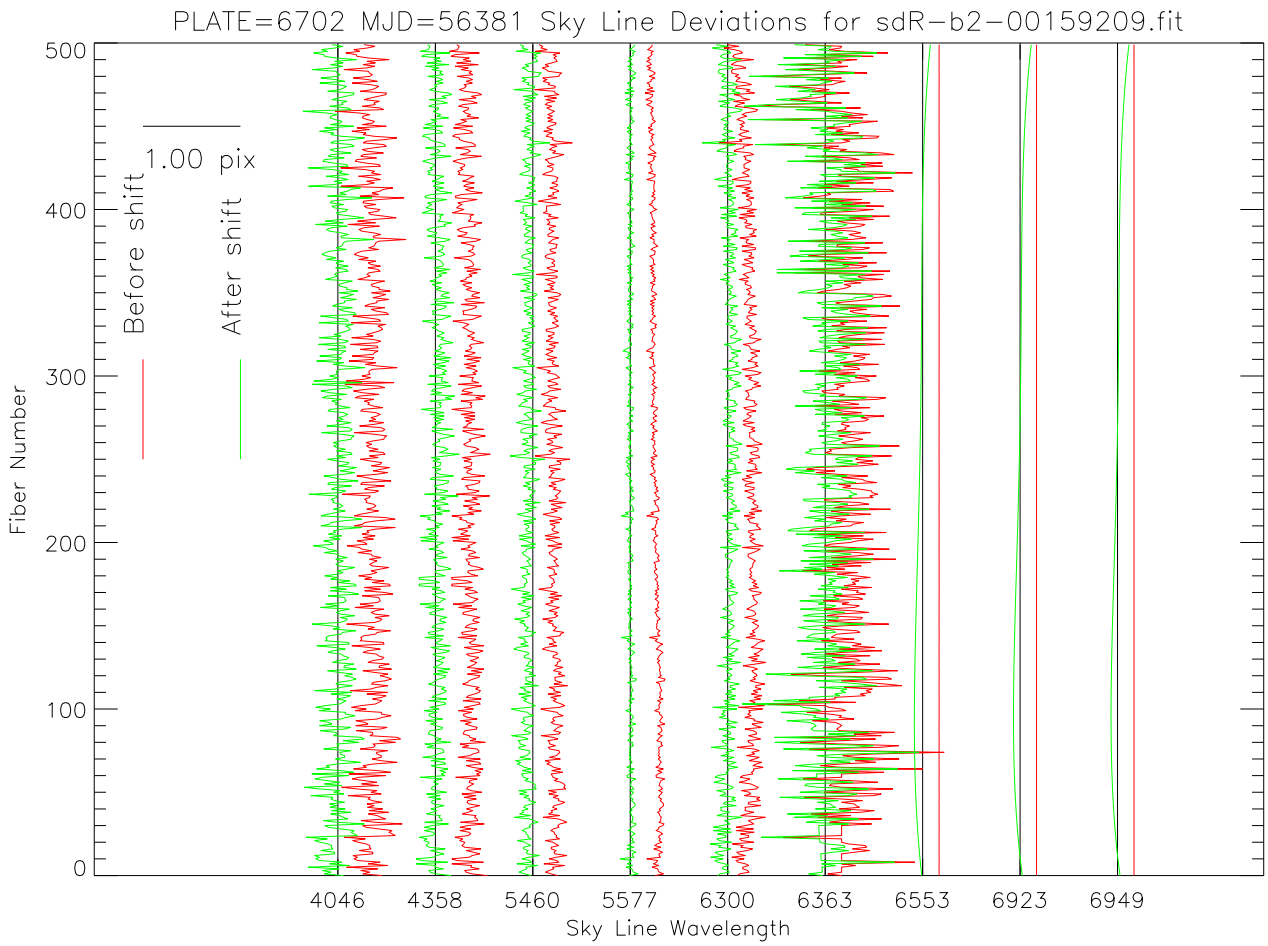


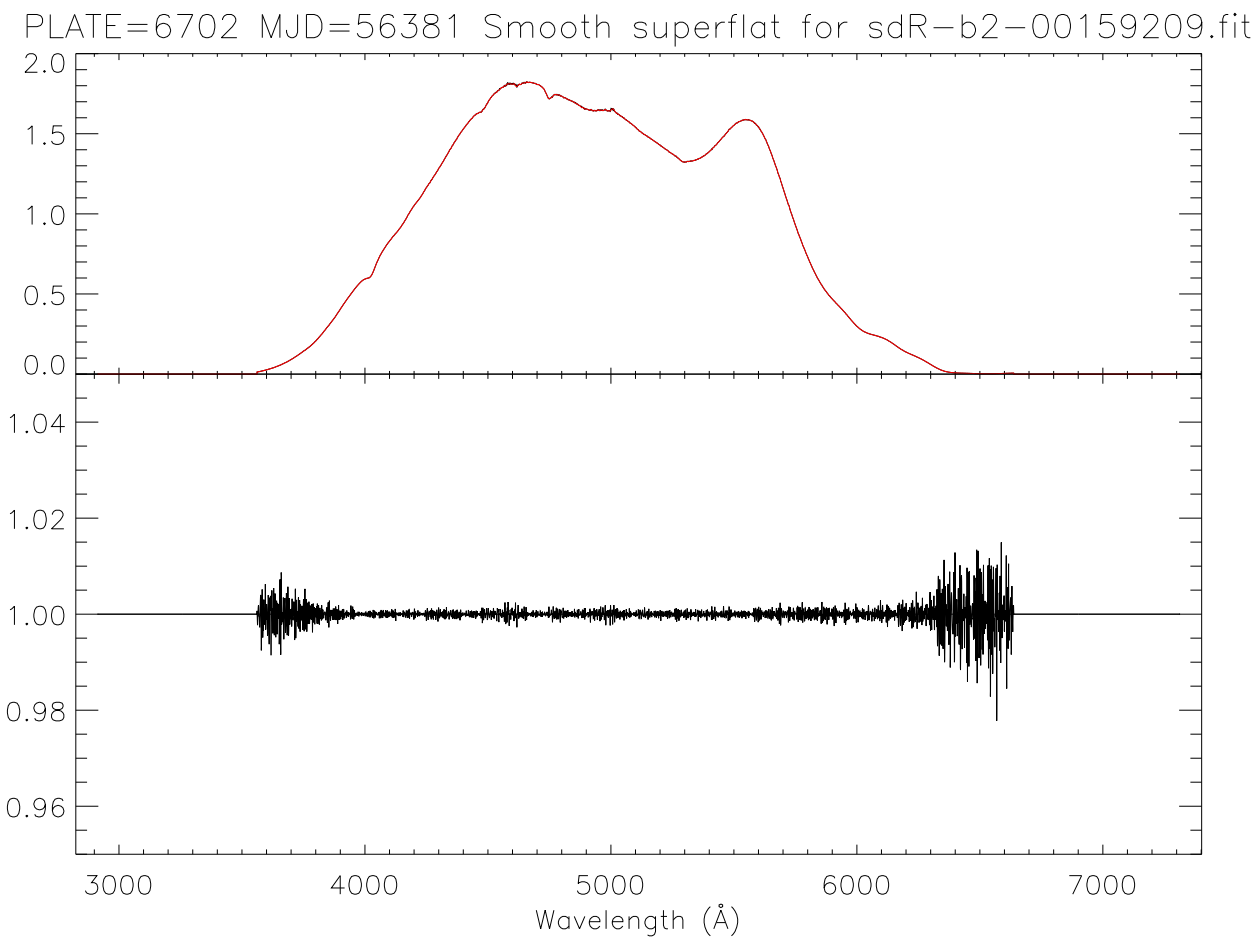

PLATE=6702 MJD=56381 sdR-b2-00159208.fit Skyline Flux at 4359.5
Flux (4359.5)/Airmass
Fiber number
RED = sky fiber
Dispersion = 9.35 %
Flux (4359.5)/Airmass
Focal Distance [mm]
Flux (4359.5)/Airmass
Airmass

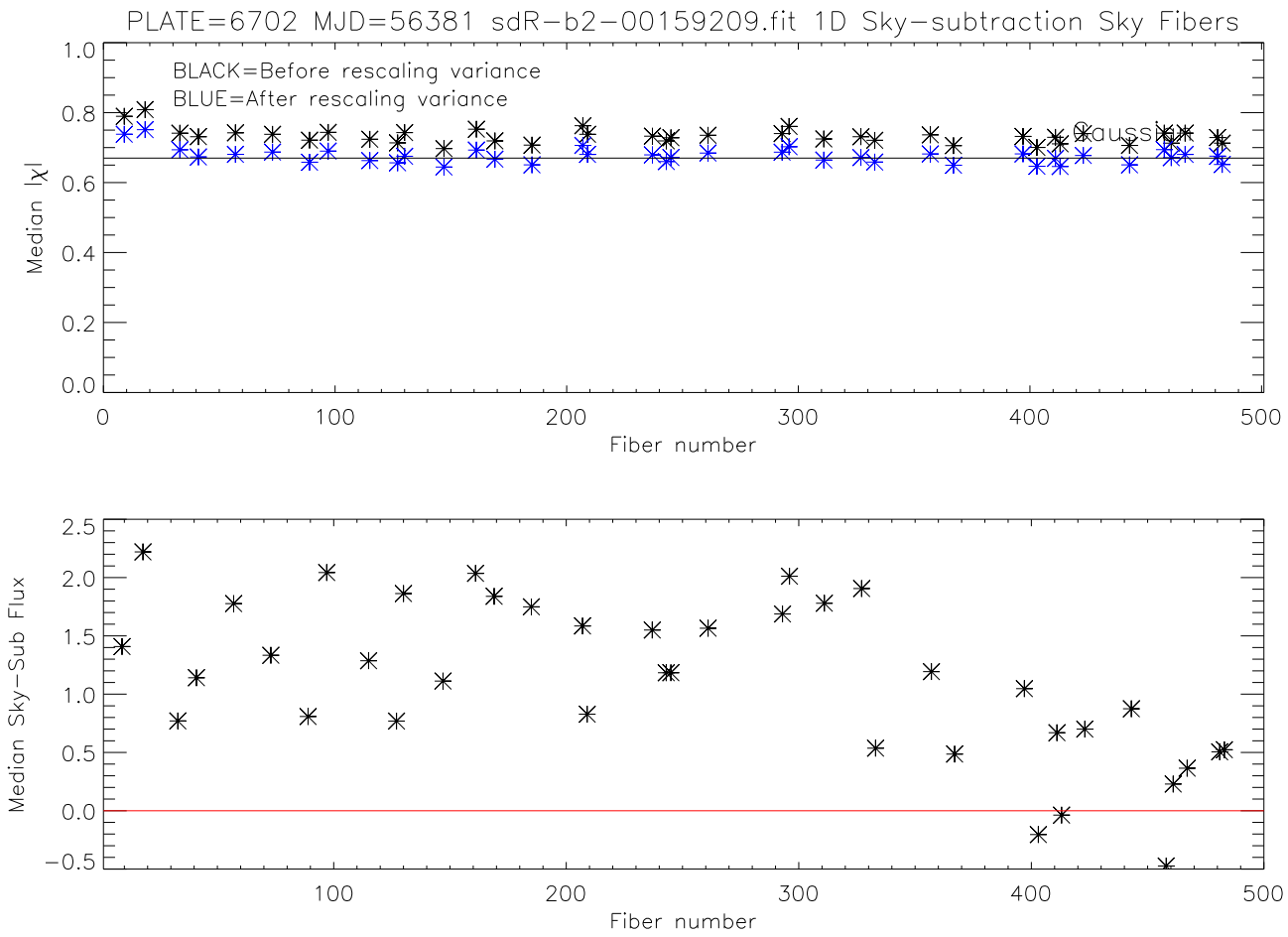

PLATE=6702 MJD=56381 sdR-b2-00159208.fit Skyline Flux at 5578.9
Red = sky fiber
Dispersion = 0.98 %
Flux (5578.9)/Airmass
Fiber number
Focal Distance [mm]
Airmass

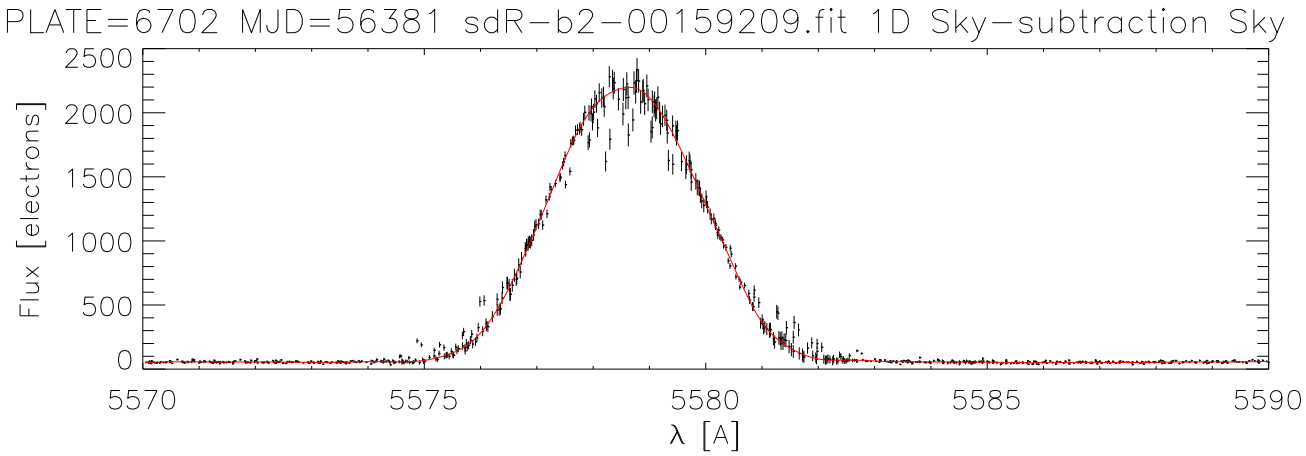

PLATE=6702 MJD=56381 Fiber−Flats for sdR−b2−00159206.fit
BLACK = Median value
ENVELOPE = 95% of points
GREEN = Outlier points
Min value = −1.296
Max value = 1.929
Fiber−Flat
1.5
1.0
0.5
0.0
3000
4000
5000
6000
7000
λ [A]
Wed Apr 16 10:59:49 2014

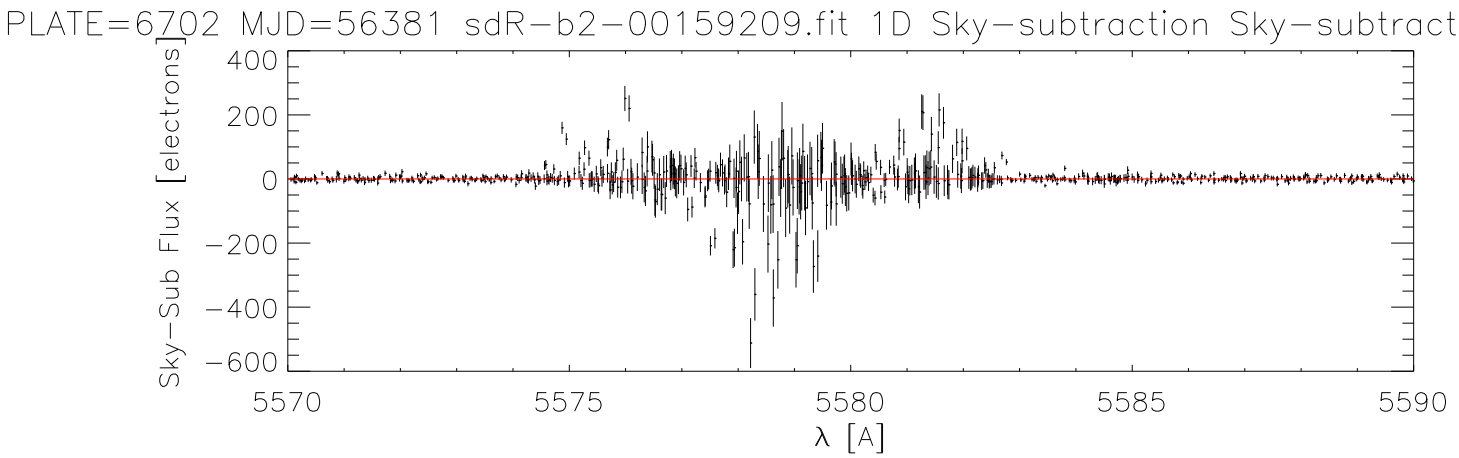

PLATE=6702 MJD=56381 Extraction chi^2 for sdR−b2−00159209.fit
BLACK = Final chisq extraction
χ^2
2.0
1.5
1.0
0.5
0.0
0
1000
2000
3000
4000
Row number


PLATE=6702 MJD=56381 Sky Line Deviations for sdR-b2-00159209.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

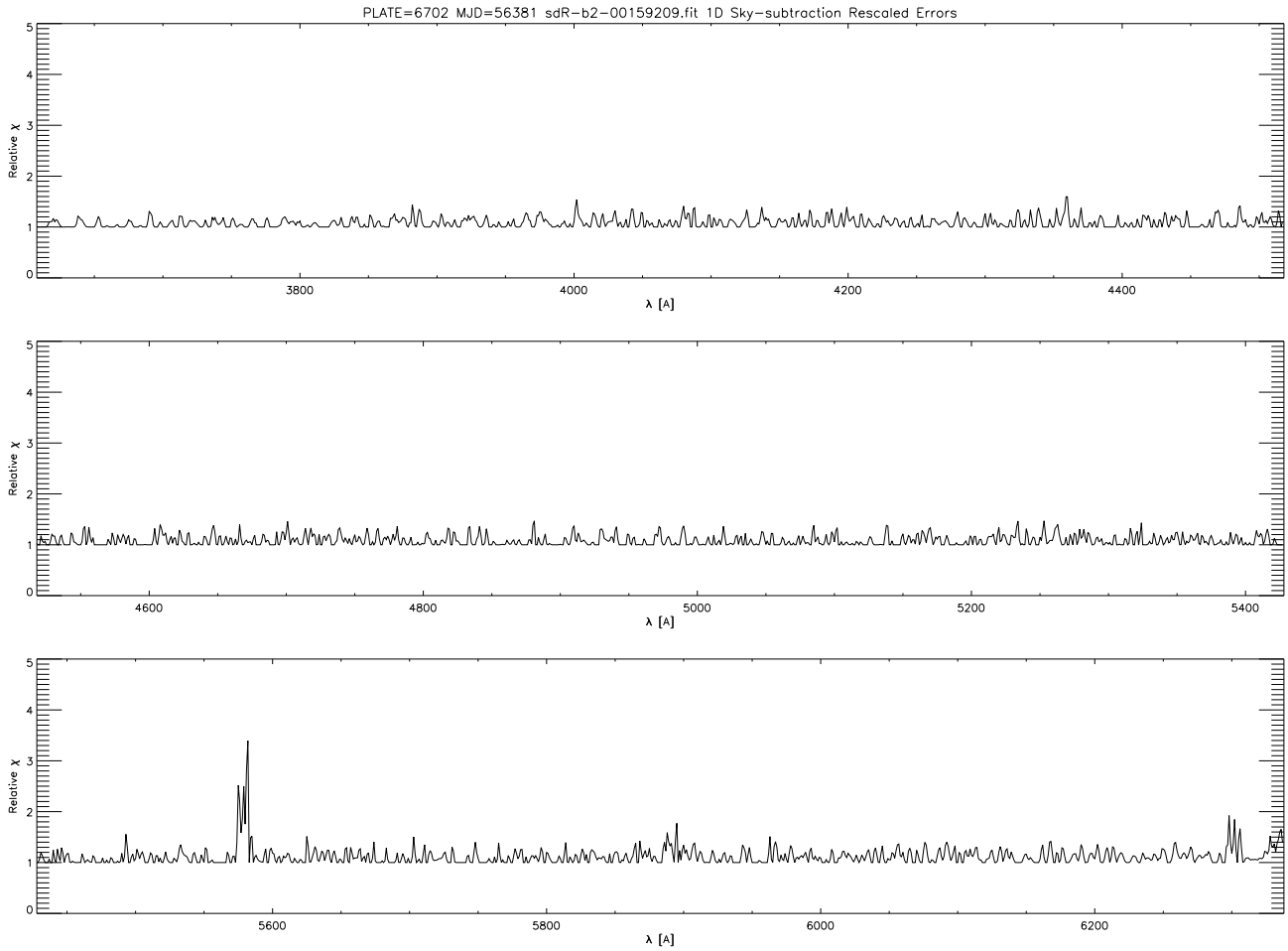

PLATE=6702 MJD=56381 Smooth superflat for sdR-b2-00159209.fit
2.0
1.5
1.0
0.5
0.0
1.04
1.02
1.00
0.98
0.96
3000
4000
5000
6000
7000
Wavelength (Å)

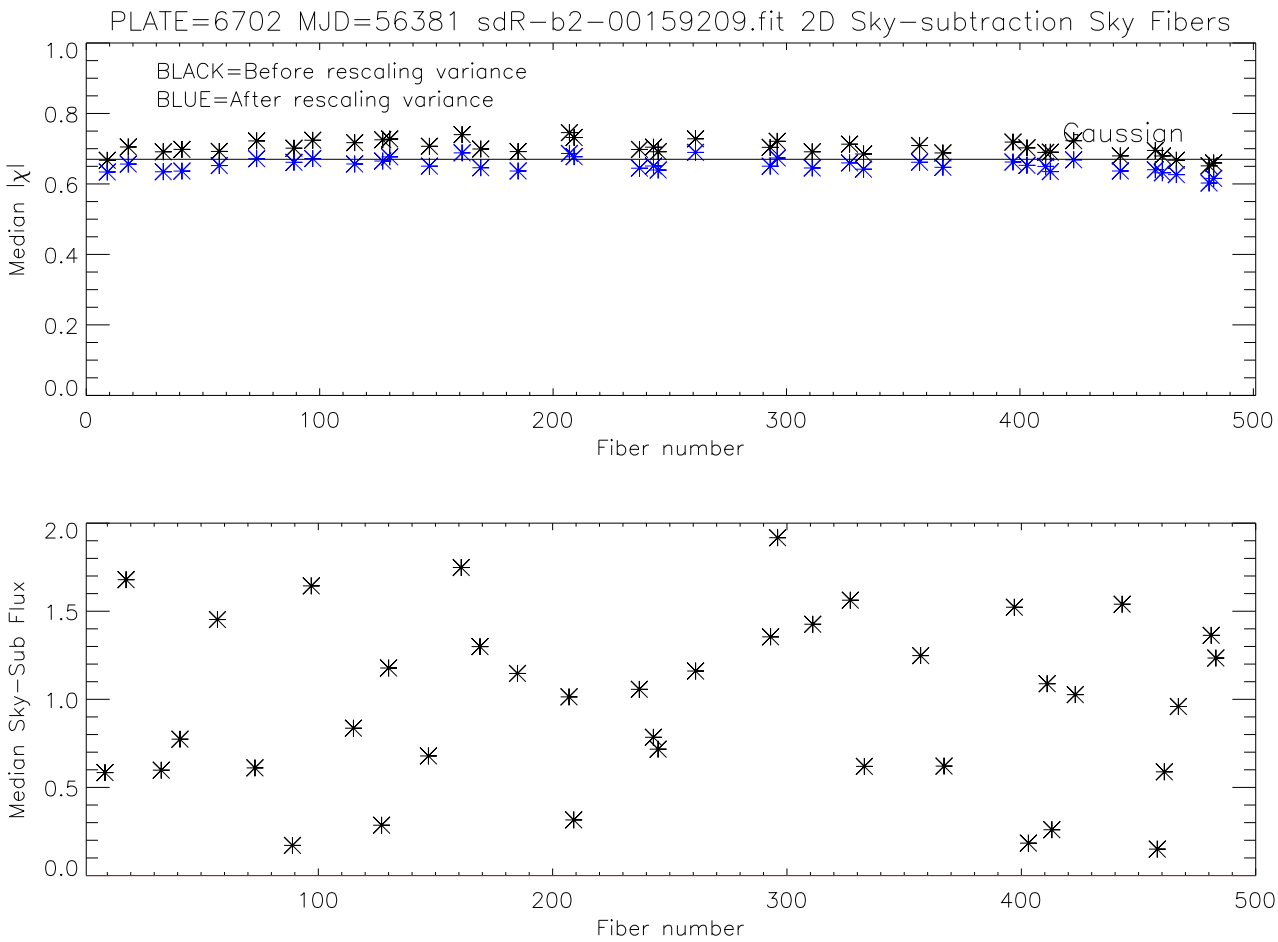

PLATE=6702 MJD=56381 sdR-b2-00159209.fit 1D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number


PLATE=6702 MJD=56381 sdR-b2-00159209.fit 1D Sky-subtraction Sky Fibers
Flux [electrons]
2500
2000
1500
1000
500
0
5570
5575
5580
5585
5590
λ [A]

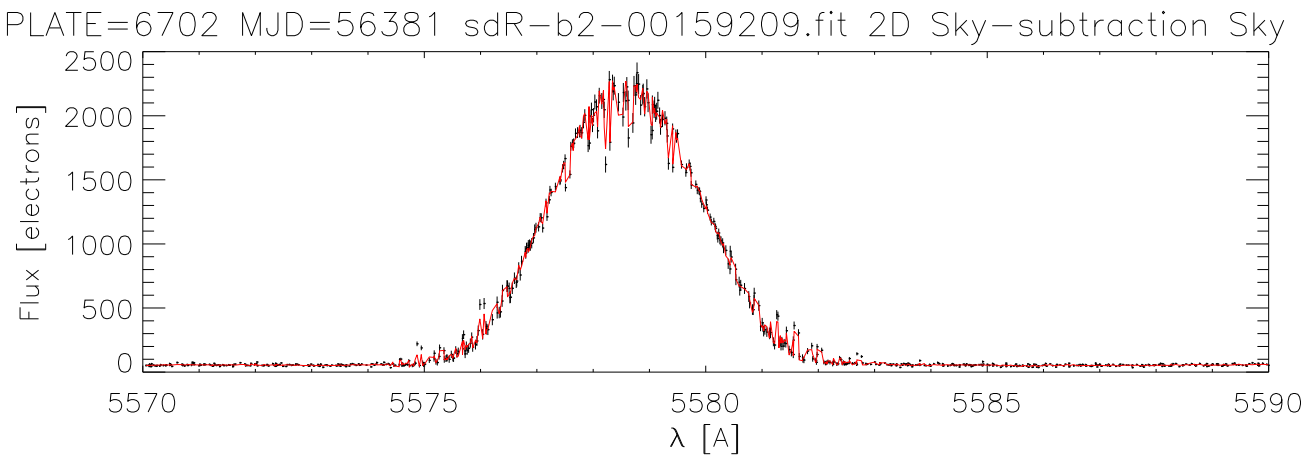

PLATE=6702 MJD=56381 sdR-b2-00159209.fit 1D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
400
200
0
-200
-400
-600
5570
5575
5580
5585
5590
λ [A]

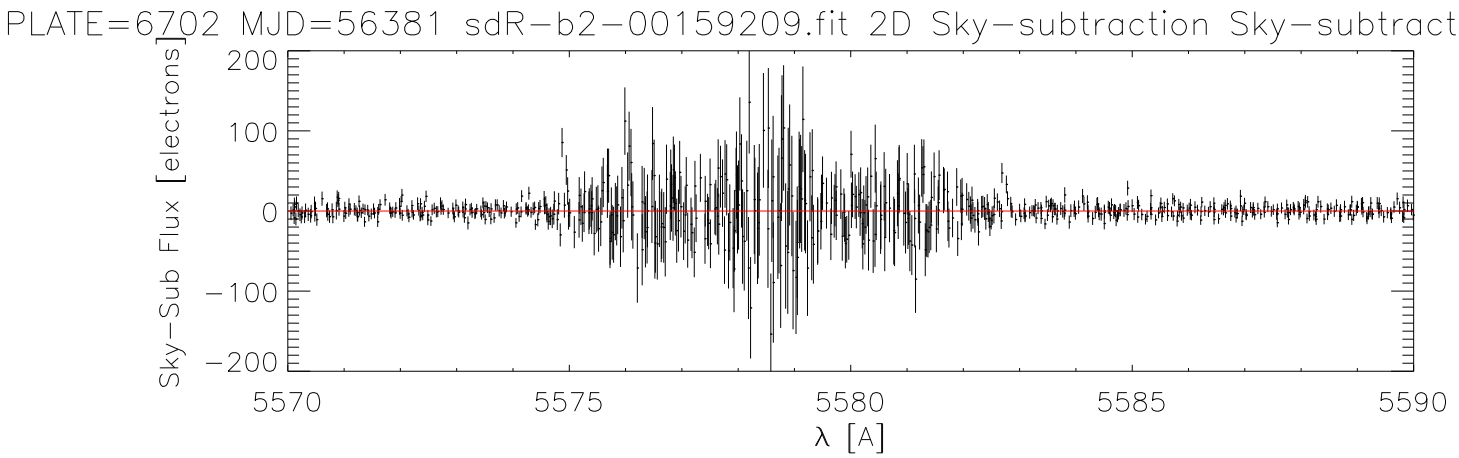
Number of sky fibers = 39



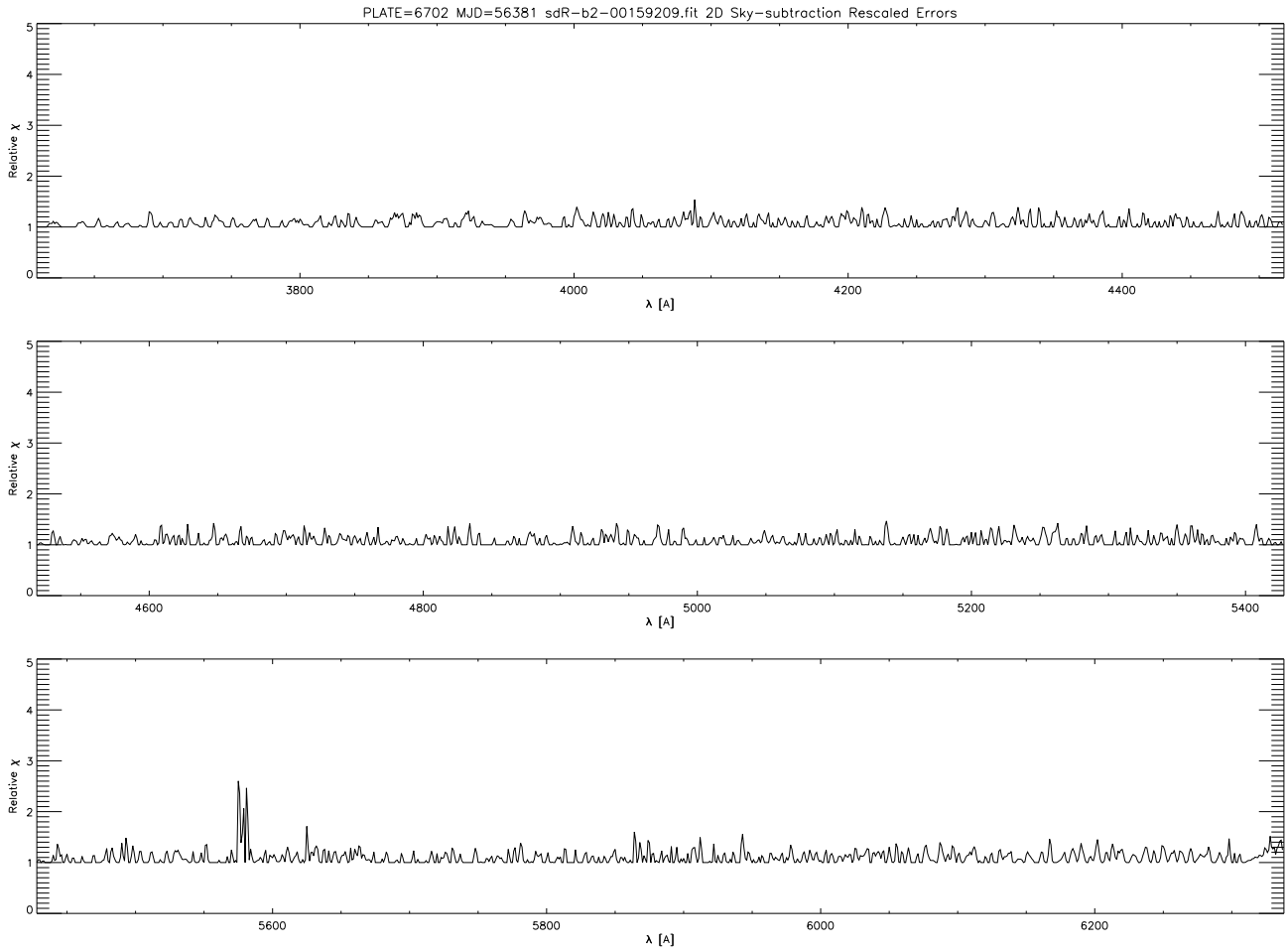

PLATE=6702 MJD=56381 sdR-b2-00159209.fit 2D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussign
Median |χ|
Fiber number
1.0
0.8
0.6
0.4
0.2
0.0
0
100
200
300
400
500

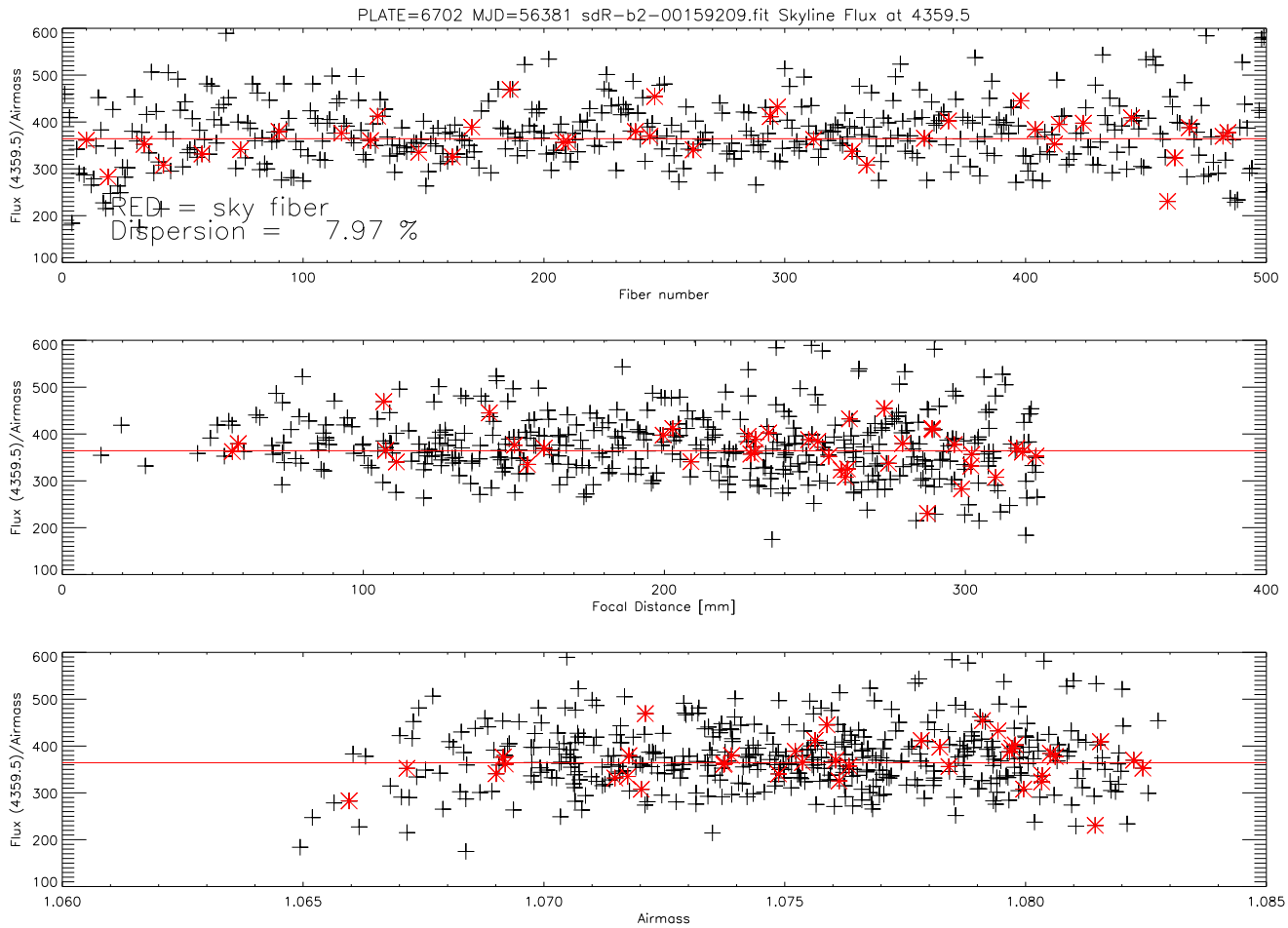
Median Sky-Sub Flux
Fiber number
2.0
1.5
1.0
0.5
0.0
100
200
300
400
500

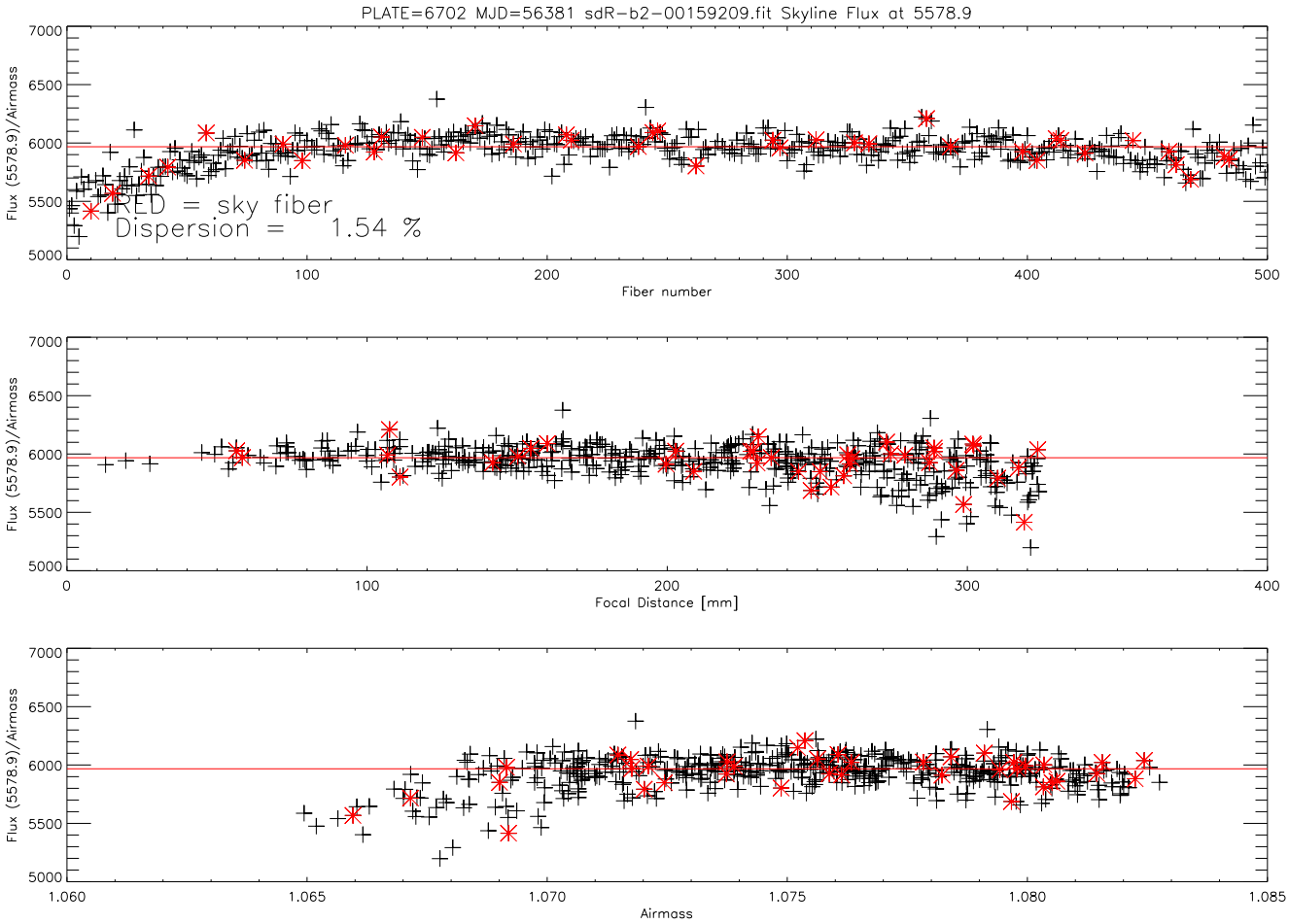

PLATE=6702 MJD=56381 sdR-b2-00159209.fit 2D Sky-subtraction Sky Fibers
Flux [electrons]
2500
2000
1500
1000
500
0
5570
5575
5580
5585
5590
λ [A]


PLATE=6702 MJD=56381 sdR-b2-00159209.fit 2D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
200
100
0
-100
-200
5570
5575
5580
5585
5590
λ [A]

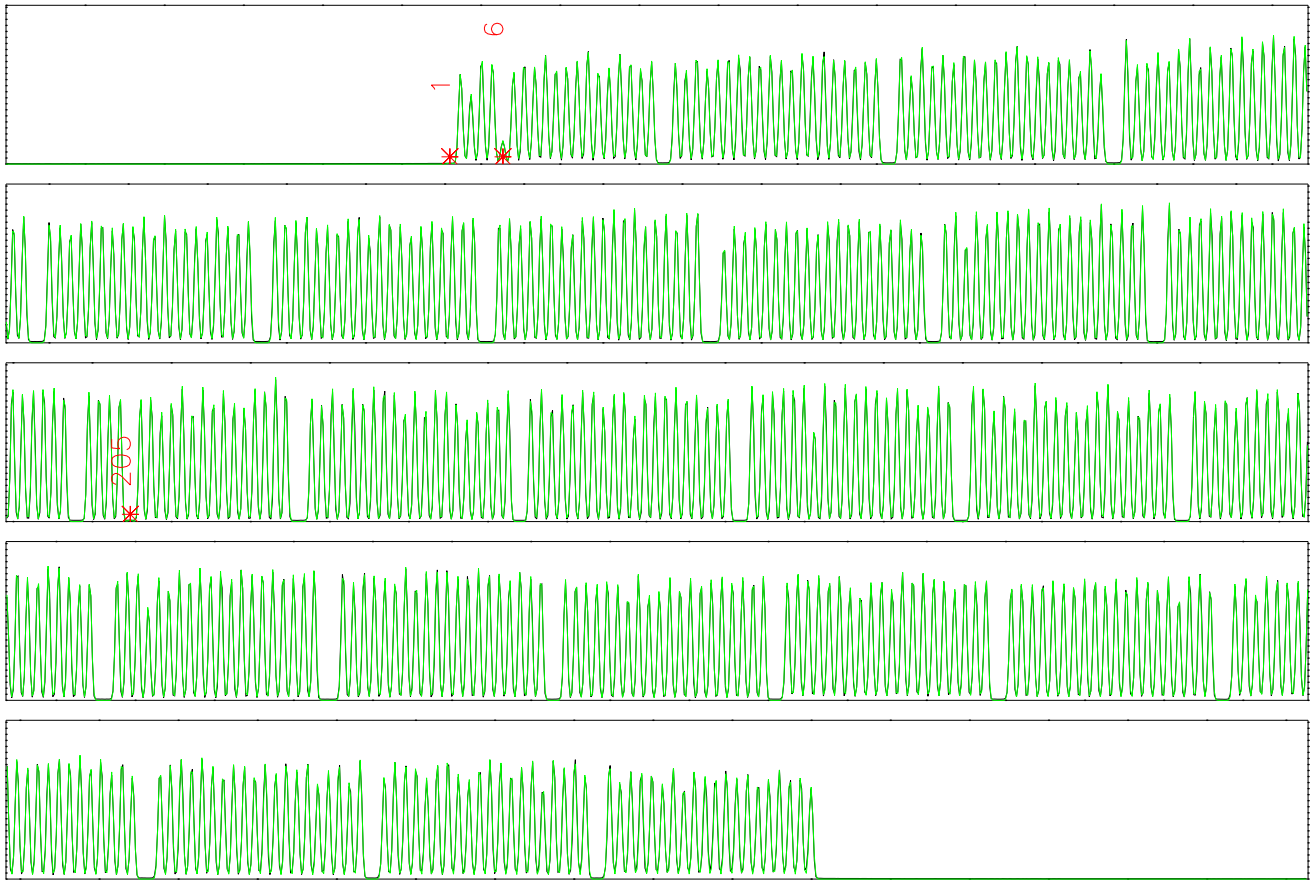
Number of sky fibers = 39

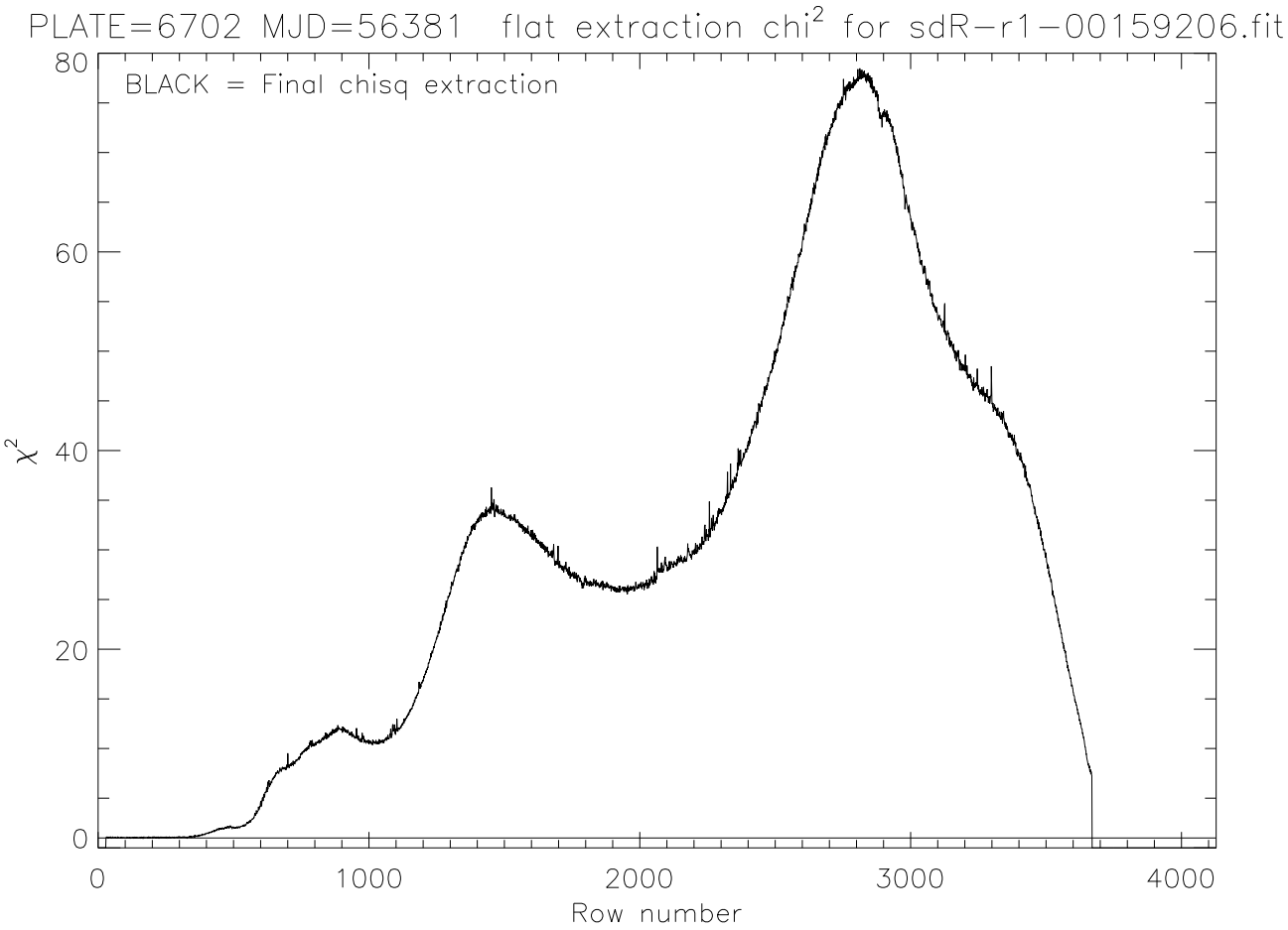


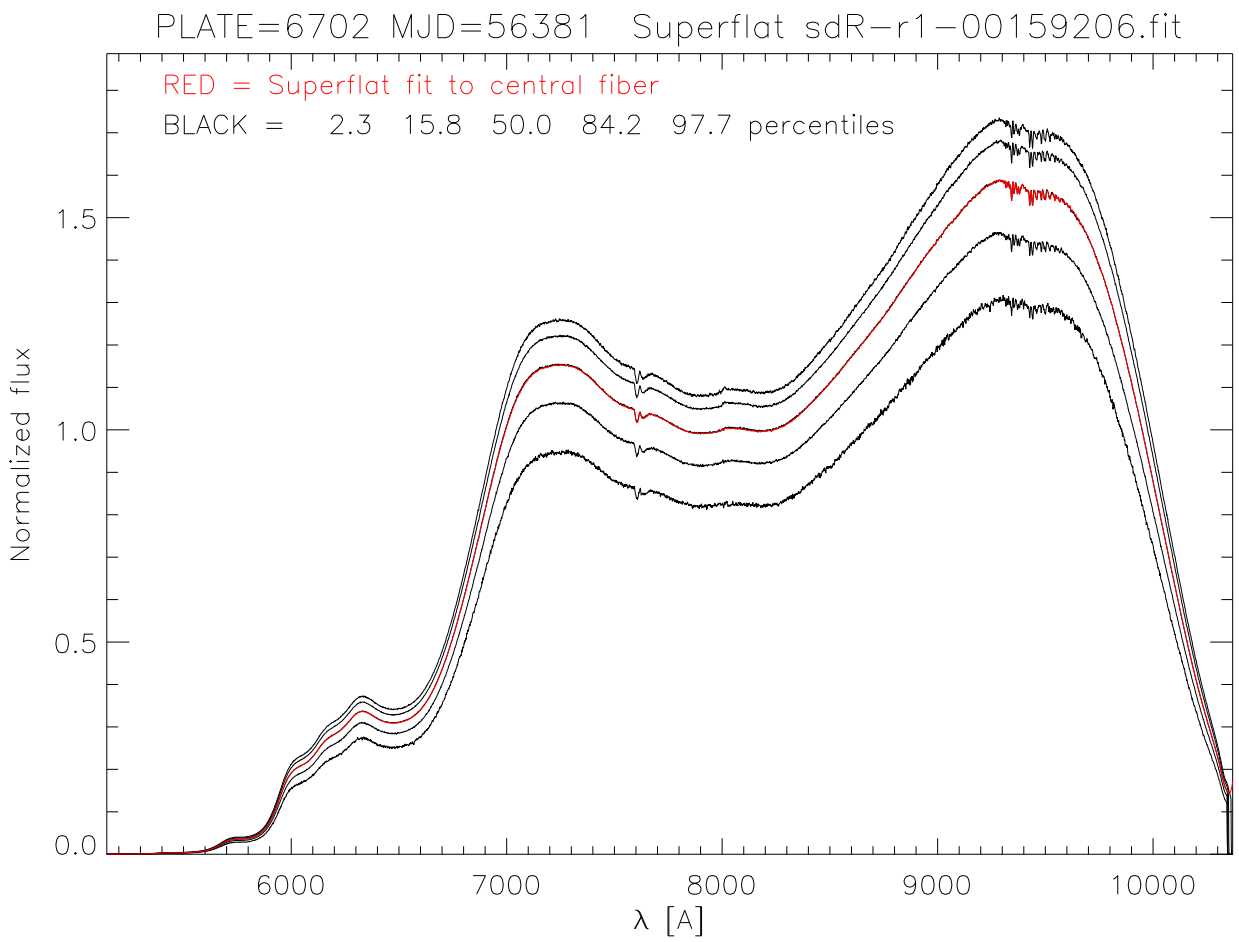

PLATE=6702 MJD=56381 sdR-b2-00159209.fit Skyline Flux at 4359.5
Flux (4359.5)/Airmass
Fiber number
RED = sky fiber
Dispersion = 7.97 %
Flux (4359.5)/Airmass
Focal Distance [mm]
Flux (4359.5)/Airmass
Airmass

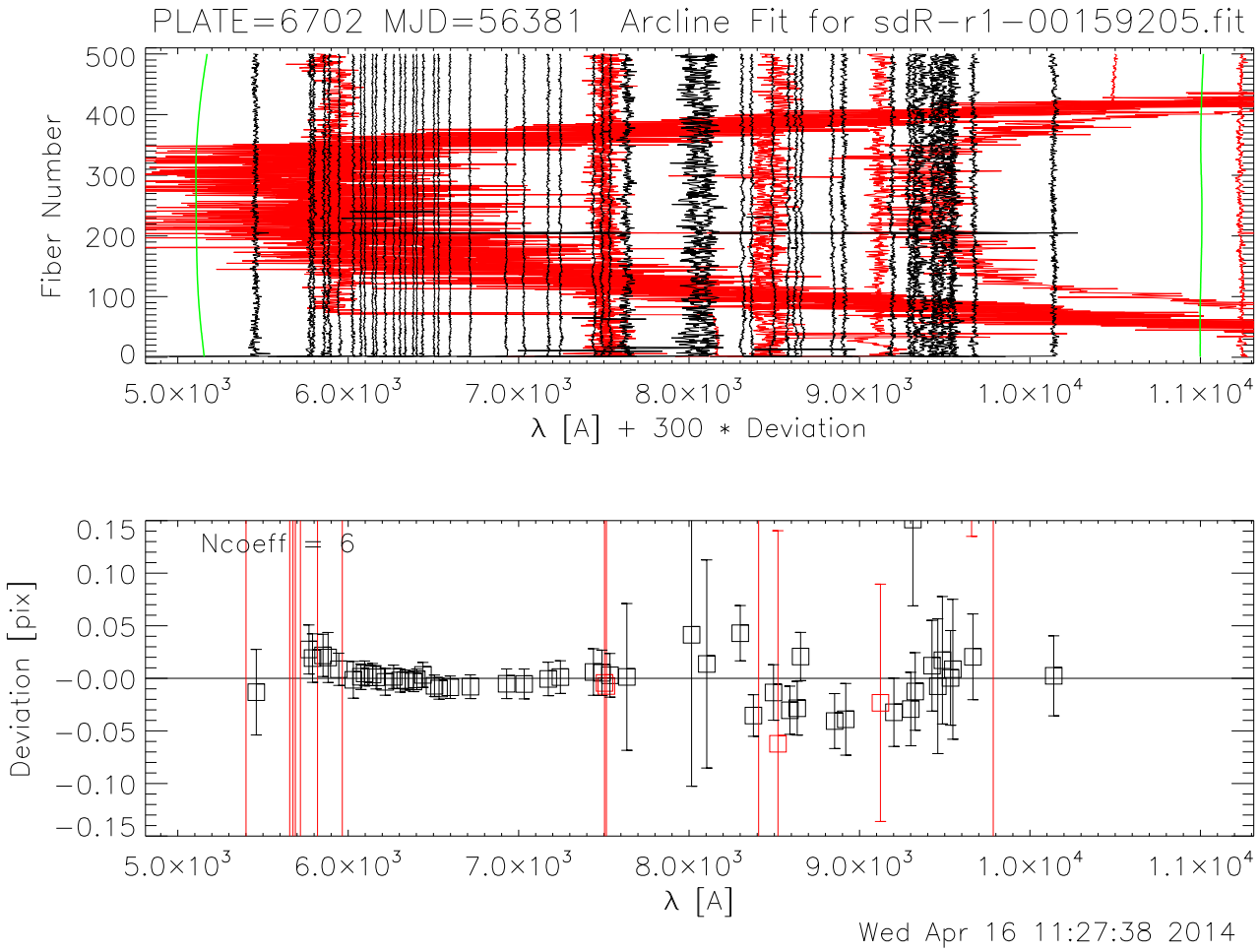

PLATE=6702 MJD=56381 sdR-b2-00159209.fit Skyline Flux at 5578.9
Flux (5578.9)/Airmass
RED = sky fiber
Dispersion = 1.54 %
Fiber number
Flux (5578.9)/Airmass
Focal Distance [mm]
Flux (5578.9)/Airmass
Airmass

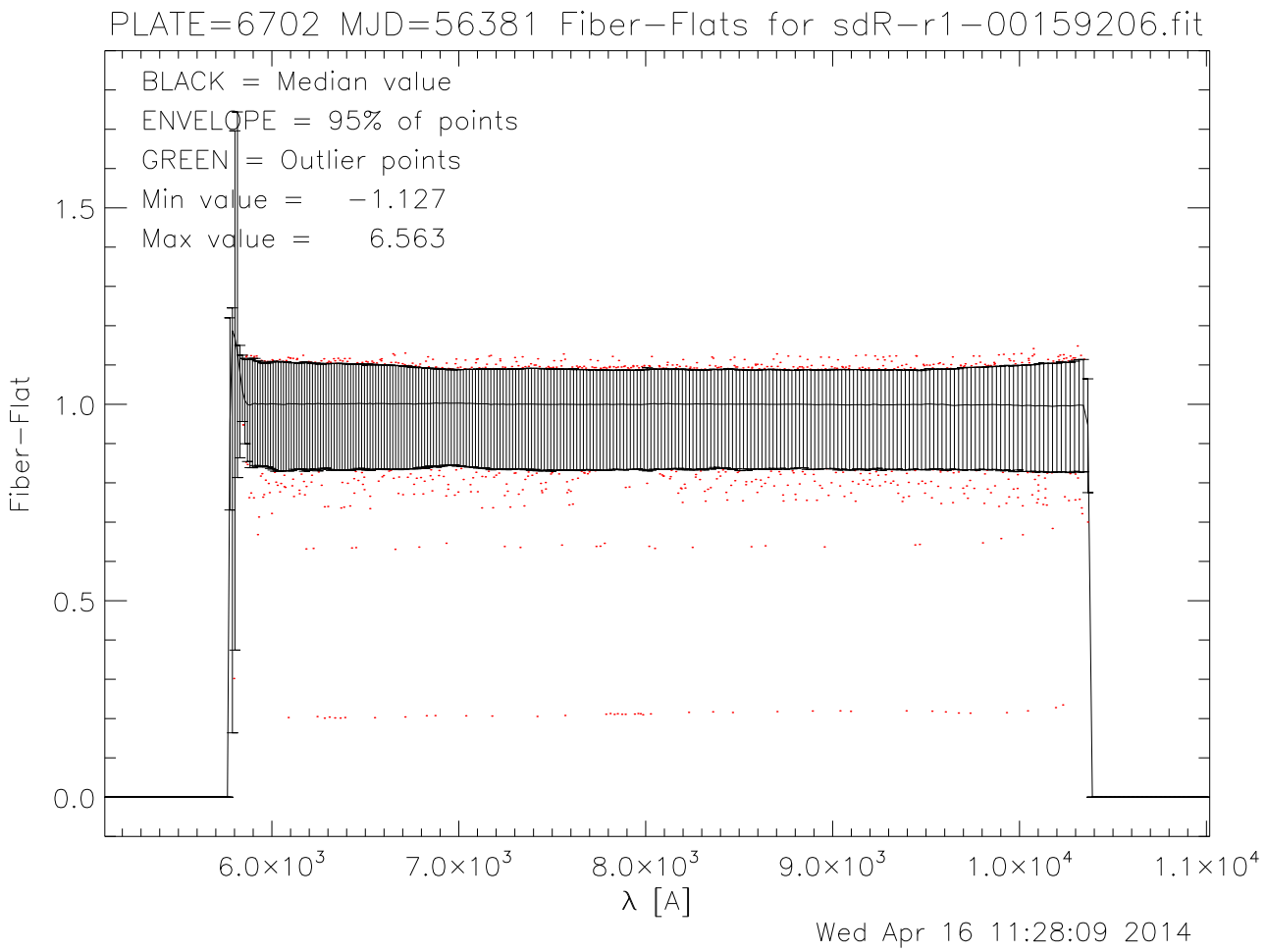
PLATE=6702 MJD=56381 Traces sdR-r1-00159206.fit

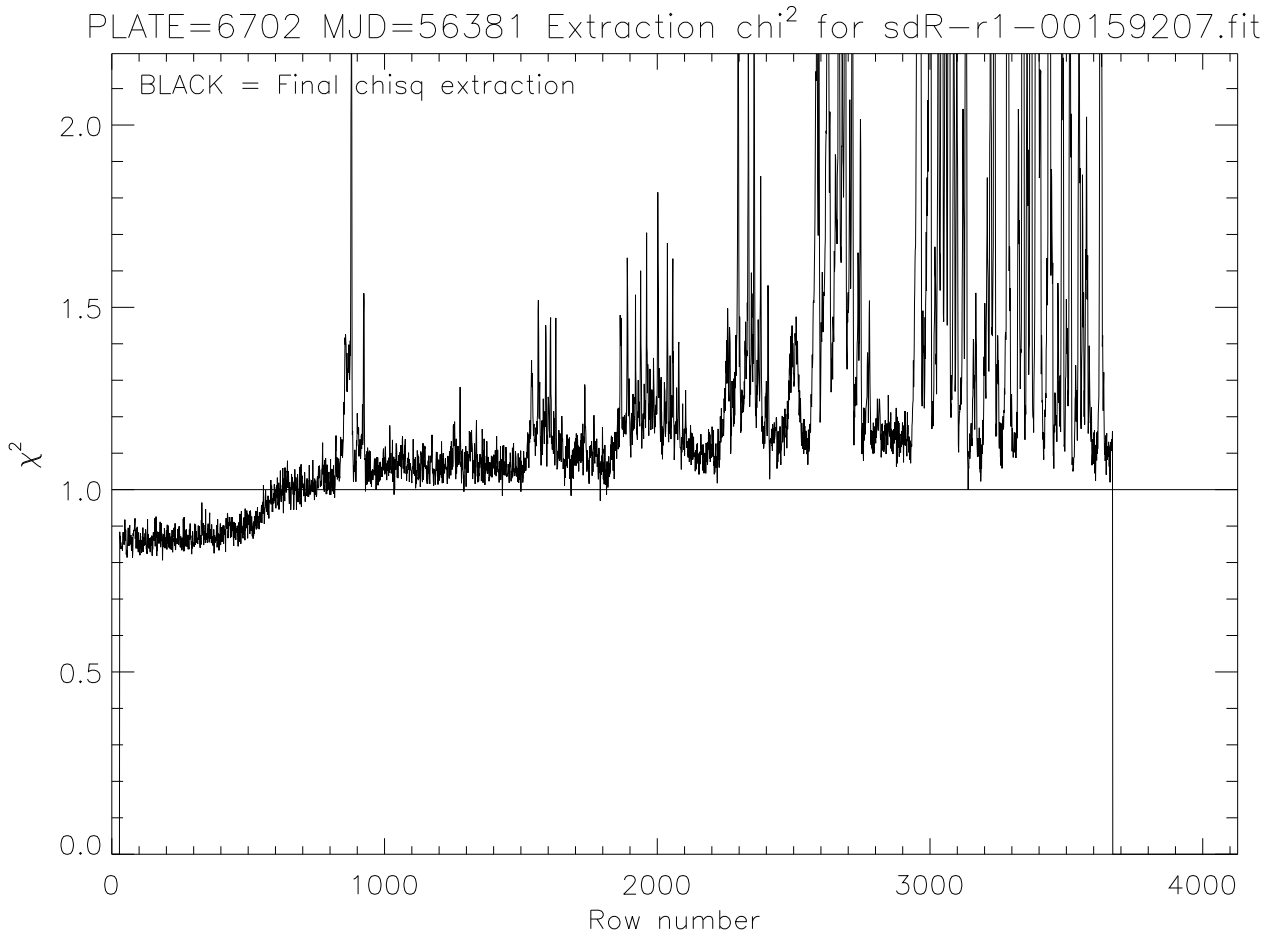


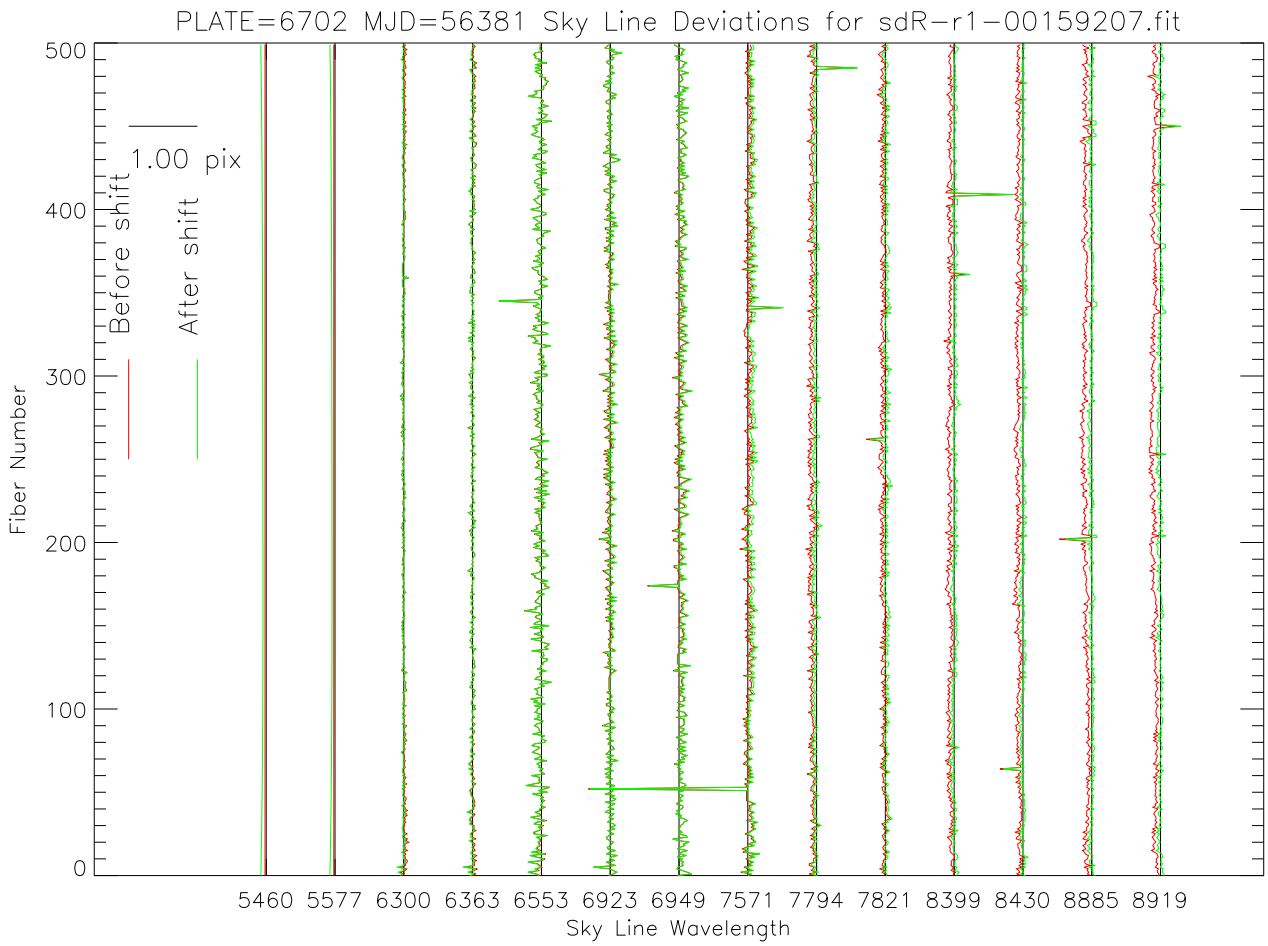

PLATE=6702 MJD=56381 flat extraction chi^2 for sdR−r1−00159206.fit
BLACK = Final chisq extraction
χ^2
0
20
40
60
80
0
1000
2000
3000
4000
Row number

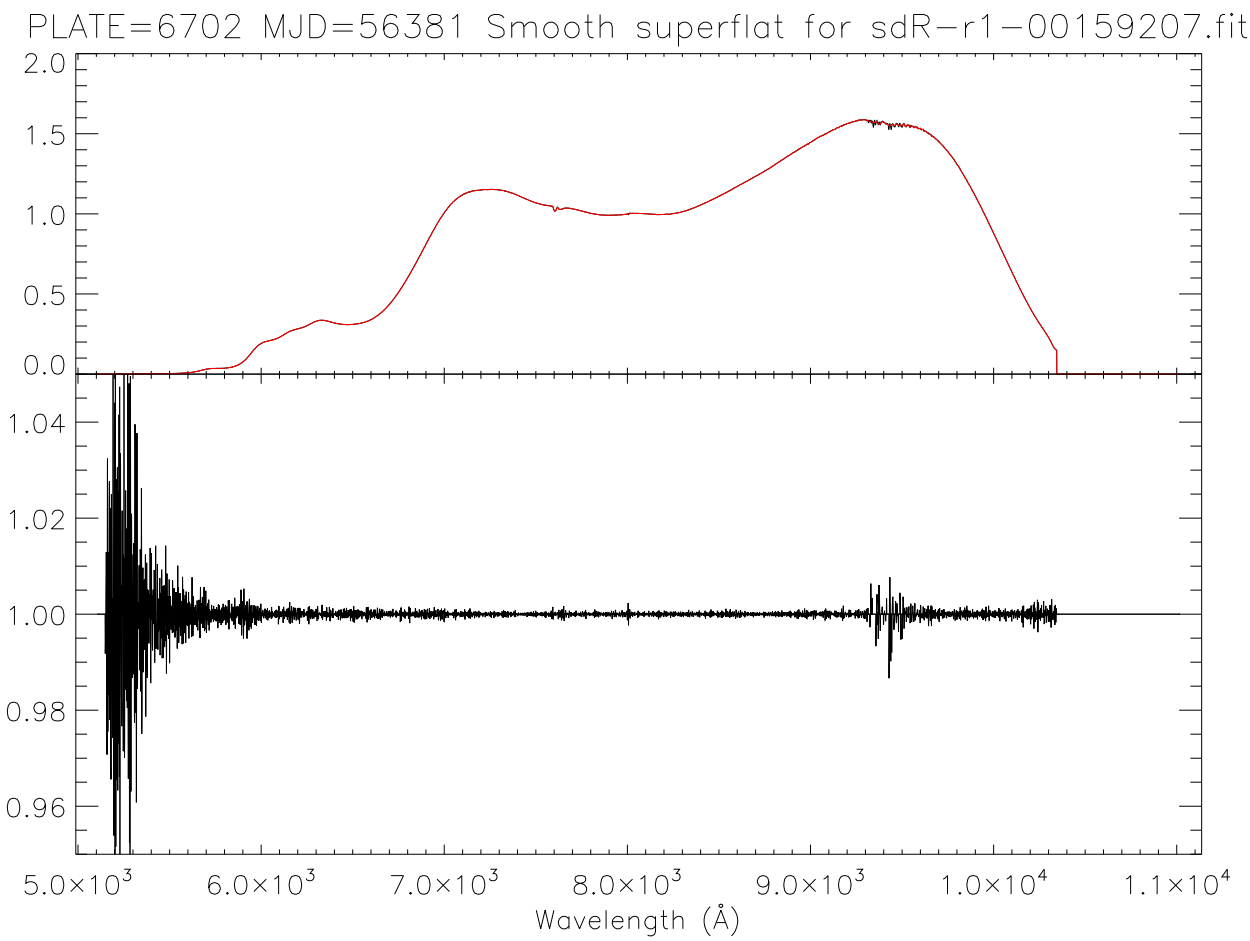

PLATE=6702 MJD=56381 Superflat sdR-r1-00159206.fit
RED = Superflat fit to central fiber
BLACK = 2.3 15.8 50.0 84.2 97.7 percentiles
Normalized flux
0.0
0.5
1.0
1.5
6000
7000
8000
9000
10000
λ [A]

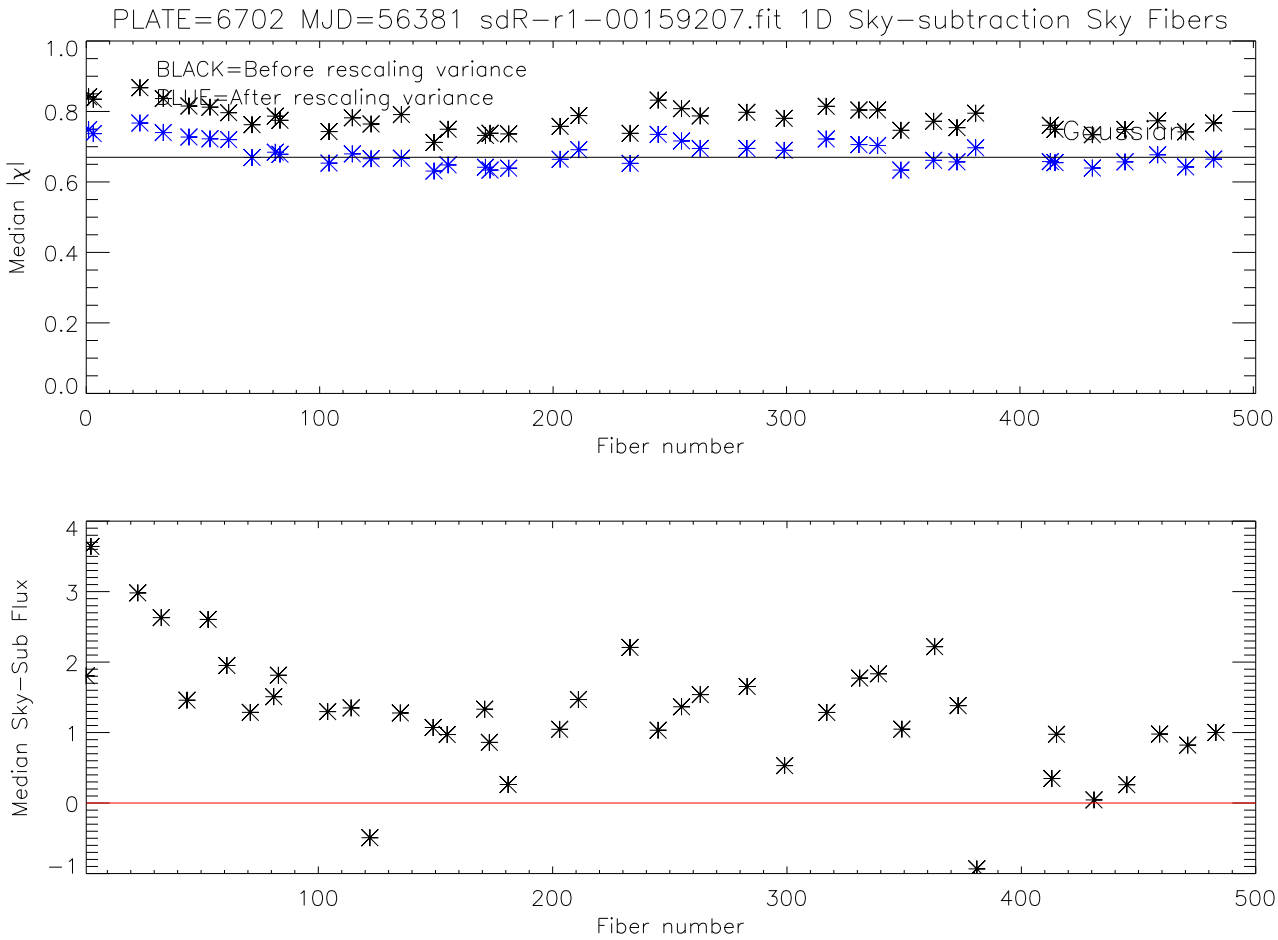

PLATE=6702 MJD=56381 Arcline Fit for sdR-r1-00159205.fit
Fiber Number
500
400
300
200
100
0
5.0×10^3
6.0×10^3
7.0×10^3
8.0×10^3
9.0×10^3
1.0×10^4
1.1×10^4
λ [A] + 300 * Deviation
Ncoeff = 6
Deviation [pix]
0.15
0.10
0.05
−0.00
−0.05
−0.10
−0.15
λ [A]
Wed Apr 16 11:27:38 2014

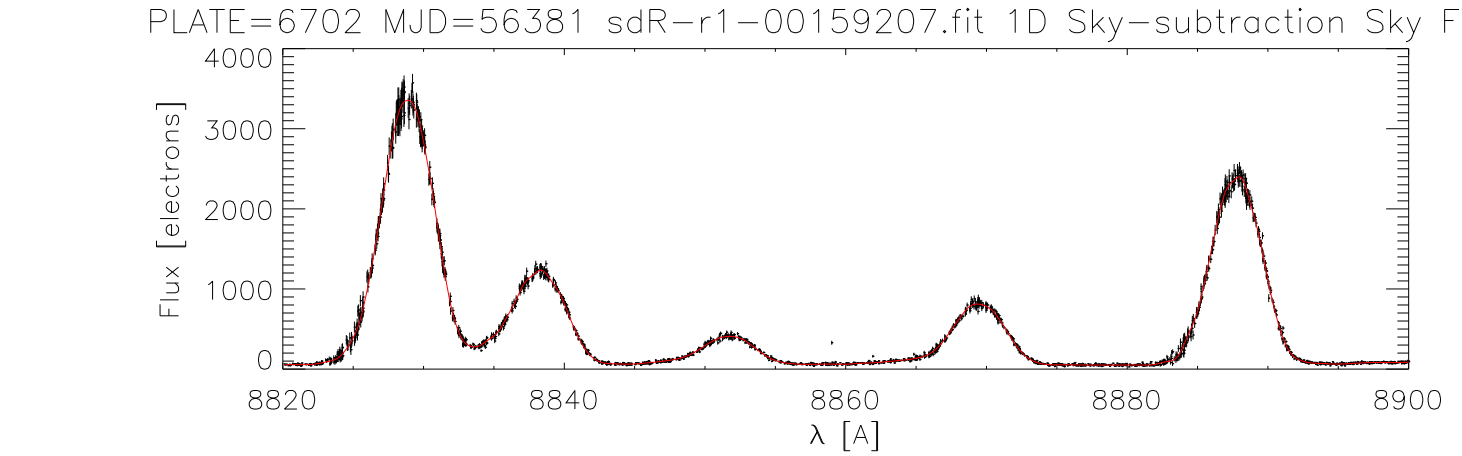

PLATE=6702 MJD=56381 Fiber−Flats for sdR−r1−00159206.fit
BLACK = Median value
ENVELOPE = 95% of points
GREEN = Outlier points
Min value = −1.127
Max value = 6.563
Fiber−Flat
1.5
1.0
0.5
0.0
6.0×10^3
7.0×10^3
8.0×10^3
9.0×10^3
1.0×10^4
1.1×10^4
λ [A]
Wed Apr 16 11:28:09 2014

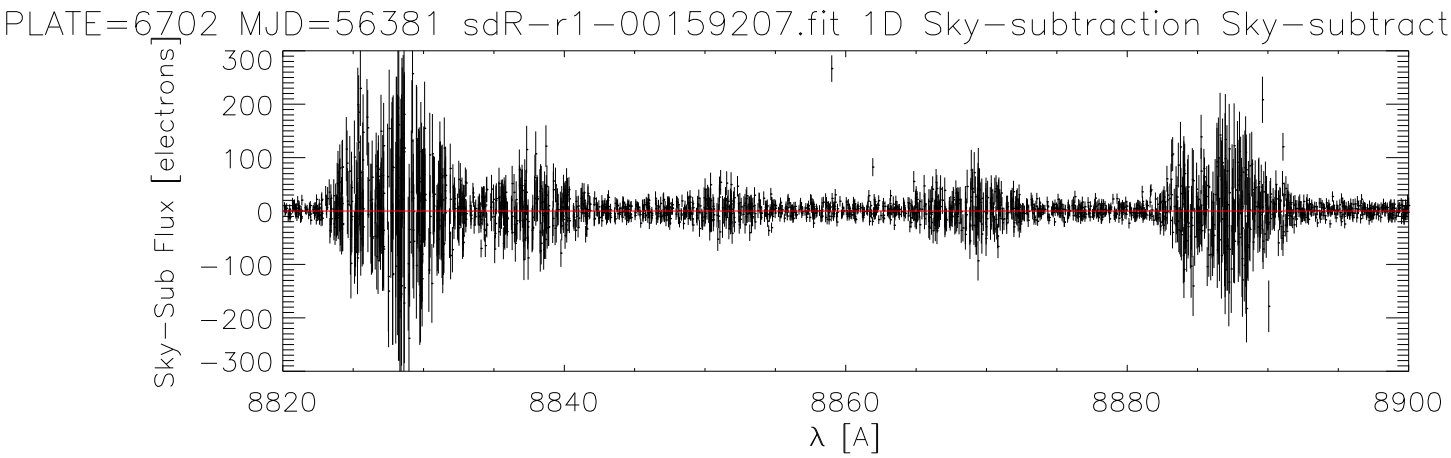

PLATE=6702 MJD=56381 Extraction chi^2 for sdR−r1−00159207.fit
BLACK = Final chisq extraction
χ^2
2.0
1.5
1.0
0.5
0.0
0
1000
2000
3000
4000
Row number


PLATE=6702 MJD=56381 Sky Line Deviations for sdR-r1-00159207.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

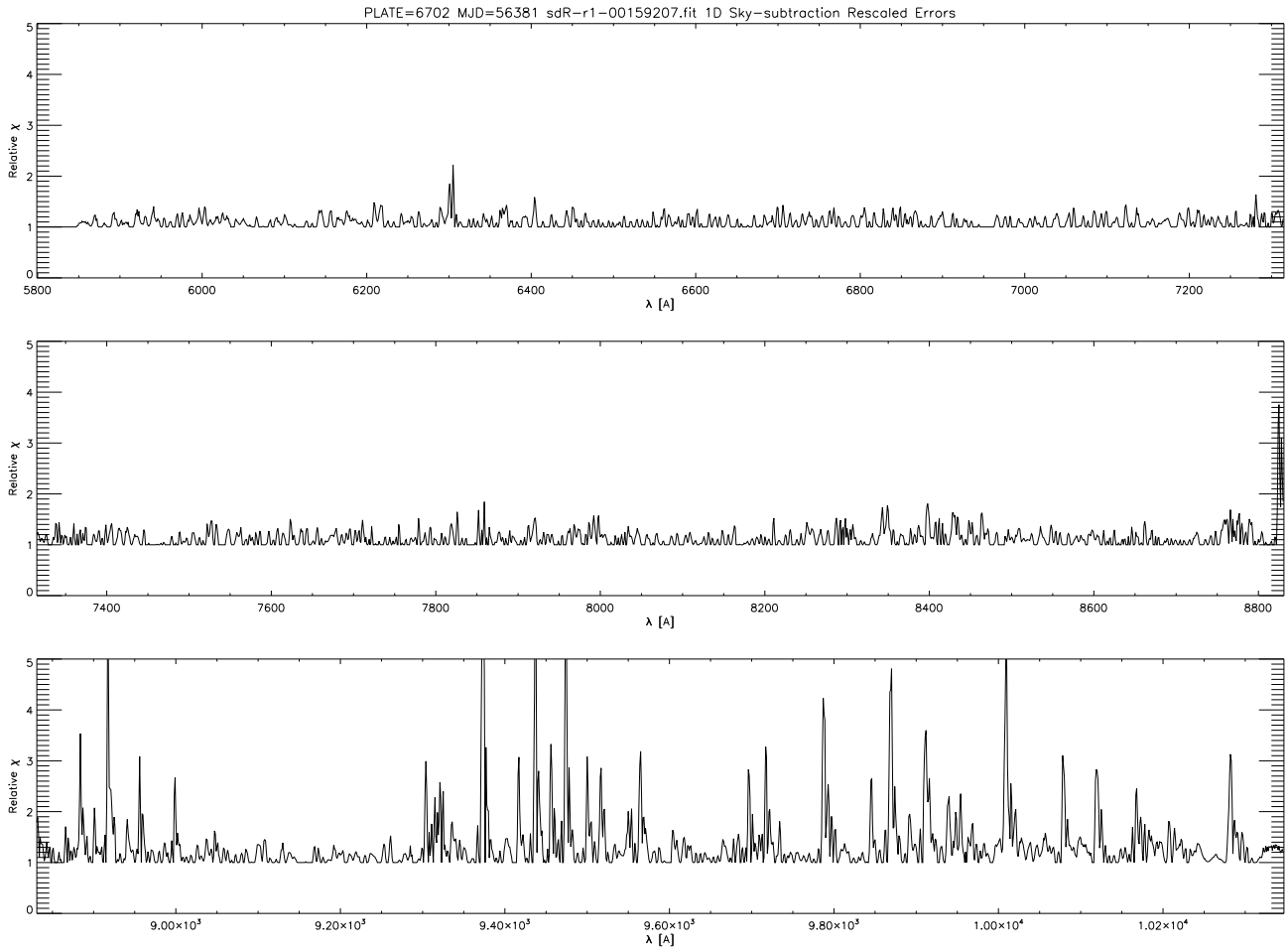

PLATE=6702 MJD=56381 Smooth superflat for sdR-r1-00159207.fit
2.0
1.5
1.0
0.5
0.0
1.04
1.02
1.00
0.98
0.96
5.0×10^3
6.0×10^3
7.0×10^3
8.0×10^3
9.0×10^3
1.0×10^4
1.1×10^4
Wavelength (Å)

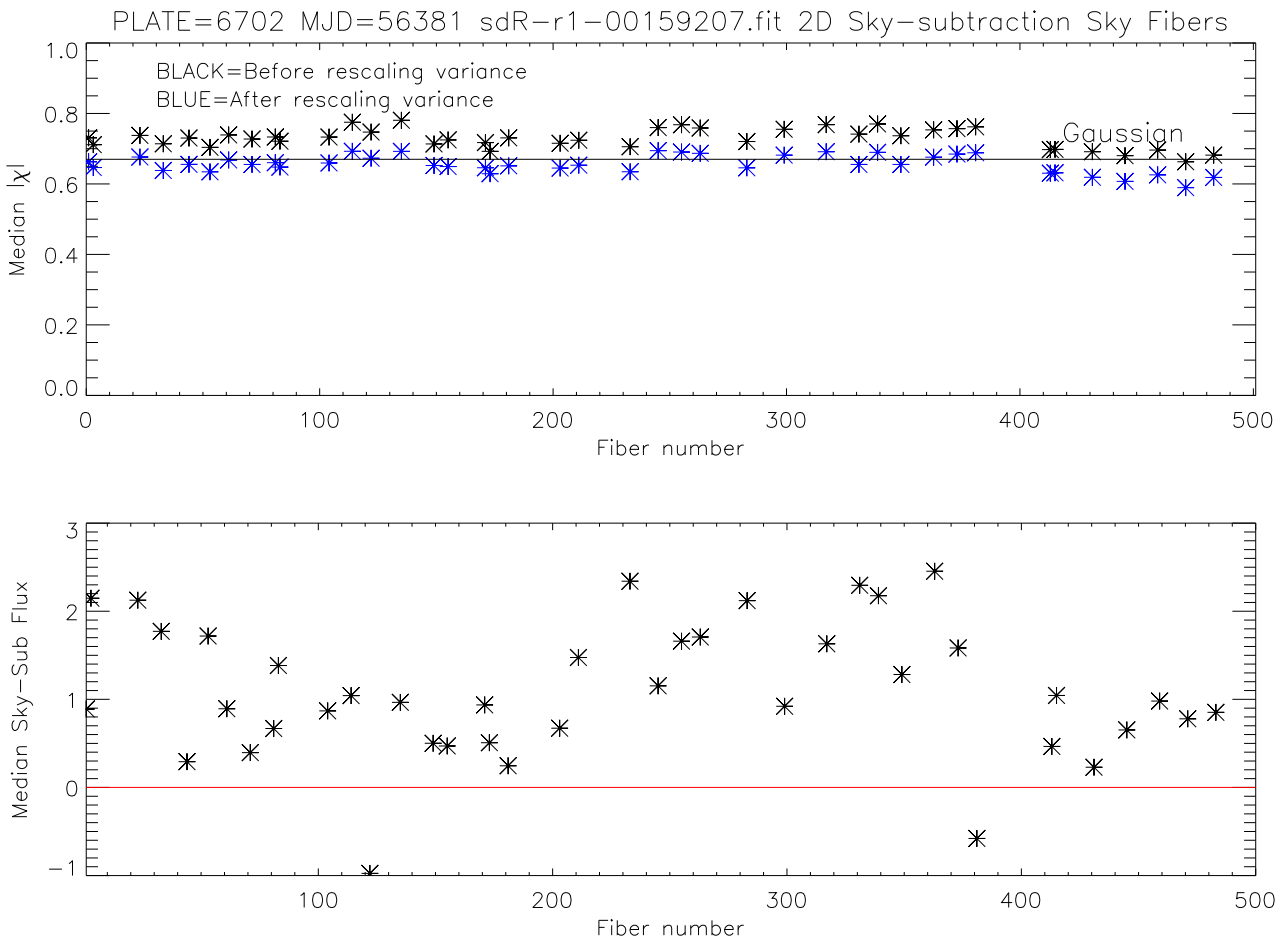

PLATE=6702 MJD=56381 sdR-r1-00159207.fit 1D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number


PLATE=6702 MJD=56381 sdR-r1-00159207.fit 1D Sky-subtraction Sky Fibers
Flux [electrons]
4000
3000
2000
1000
0
8820
8840
8860
8880
8900
λ [A]

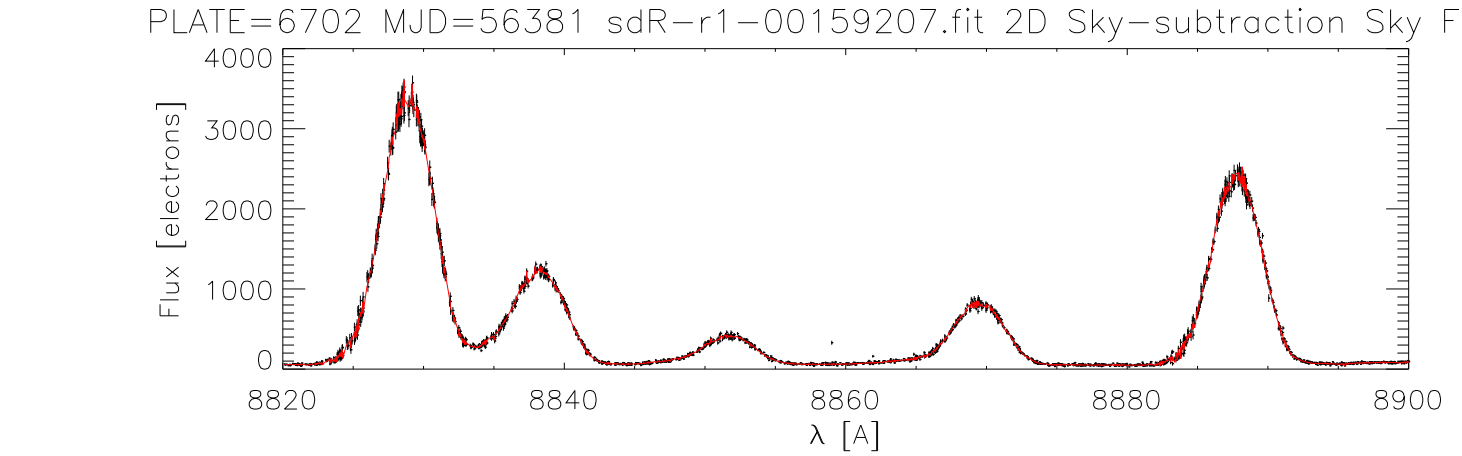

PLATE=6702 MJD=56381 sdR-r1-00159207.fit 1D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
300
200
100
0
-100
-200
-300
8820
8840
8860
8880
8900
λ [A]

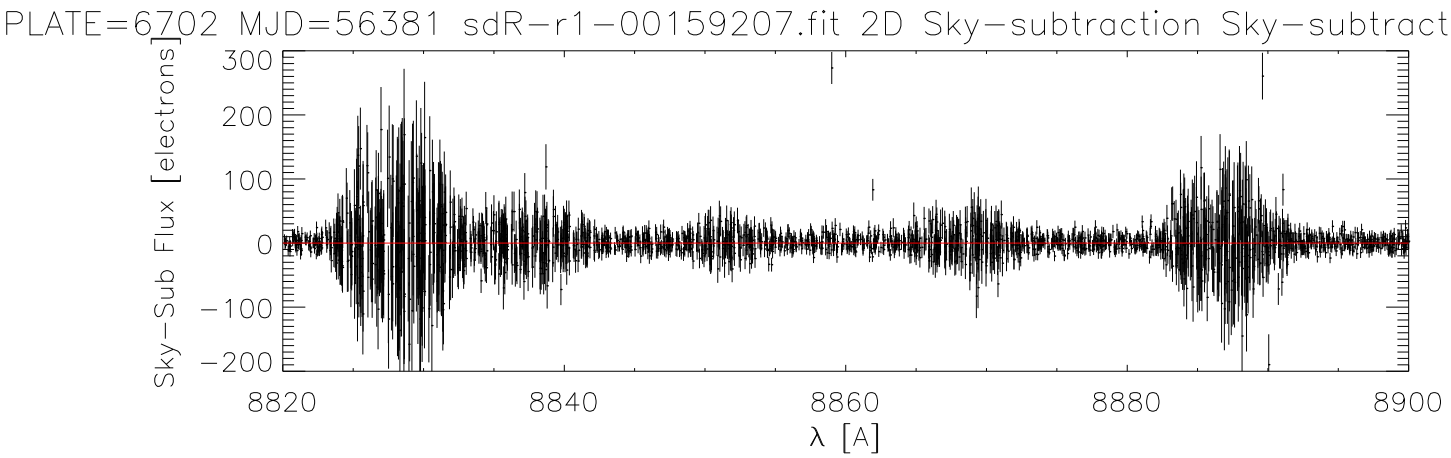
Number of sky fibers = 41



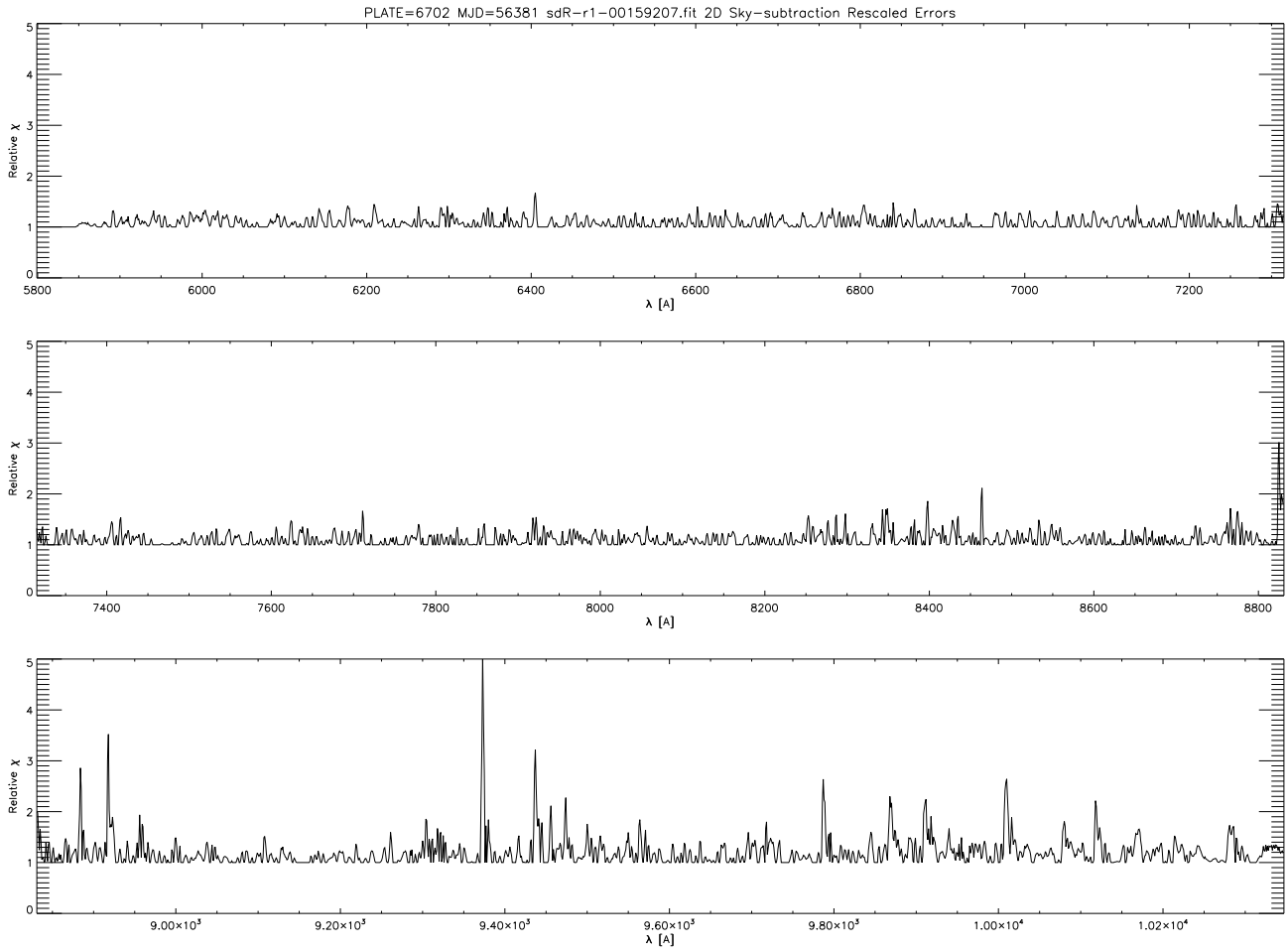

PLATE=6702 MJD=56381 sdR-r1-00159207.fit 2D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussign
Median |χ|
Fiber number
1.0
0.8
0.6
0.4
0.2
0.0
0
100
200
300
400
500

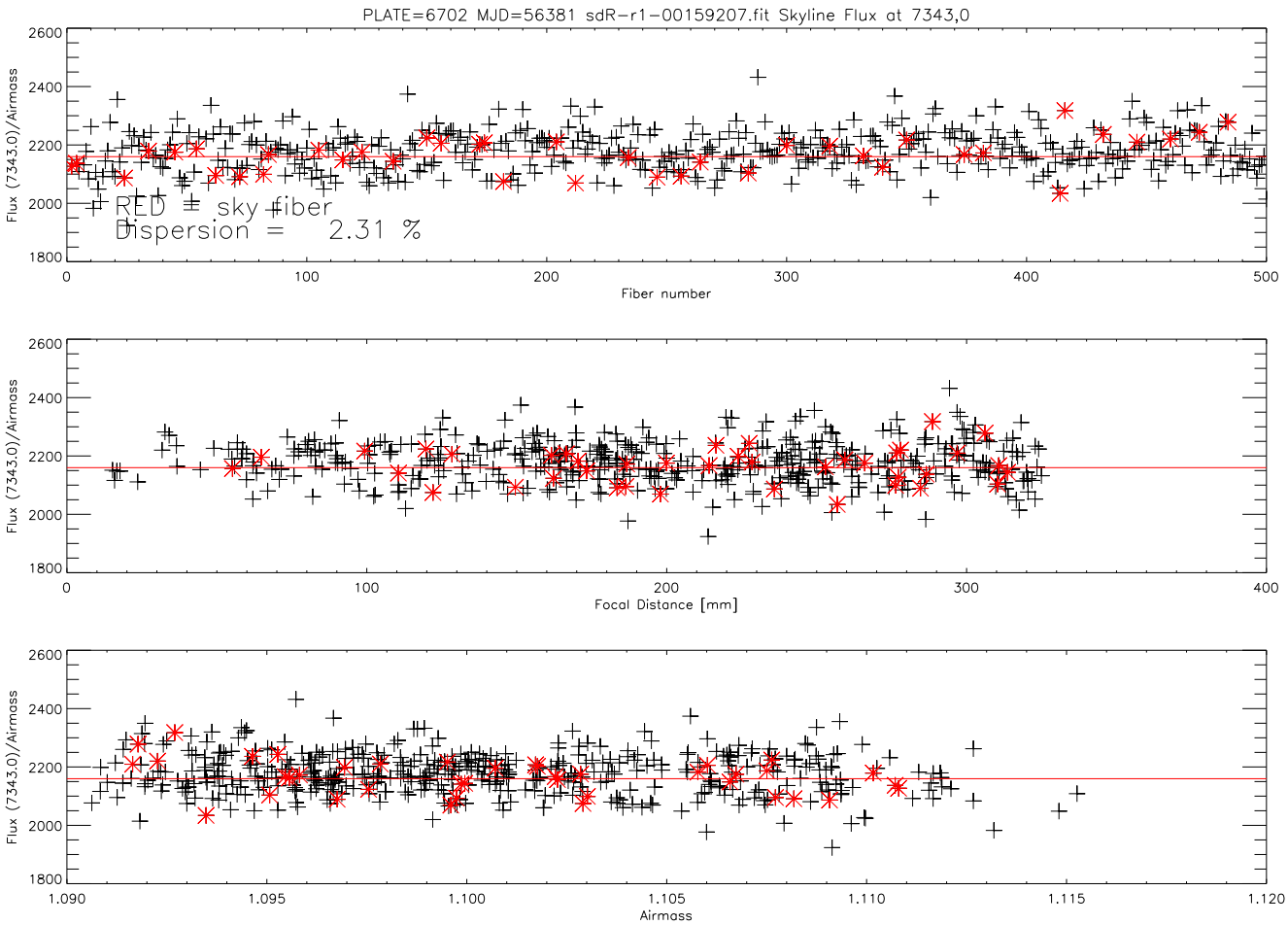
Median Sky-Sub Flux
Fiber number
3
2
1
0
−1
100
200
300
400
500

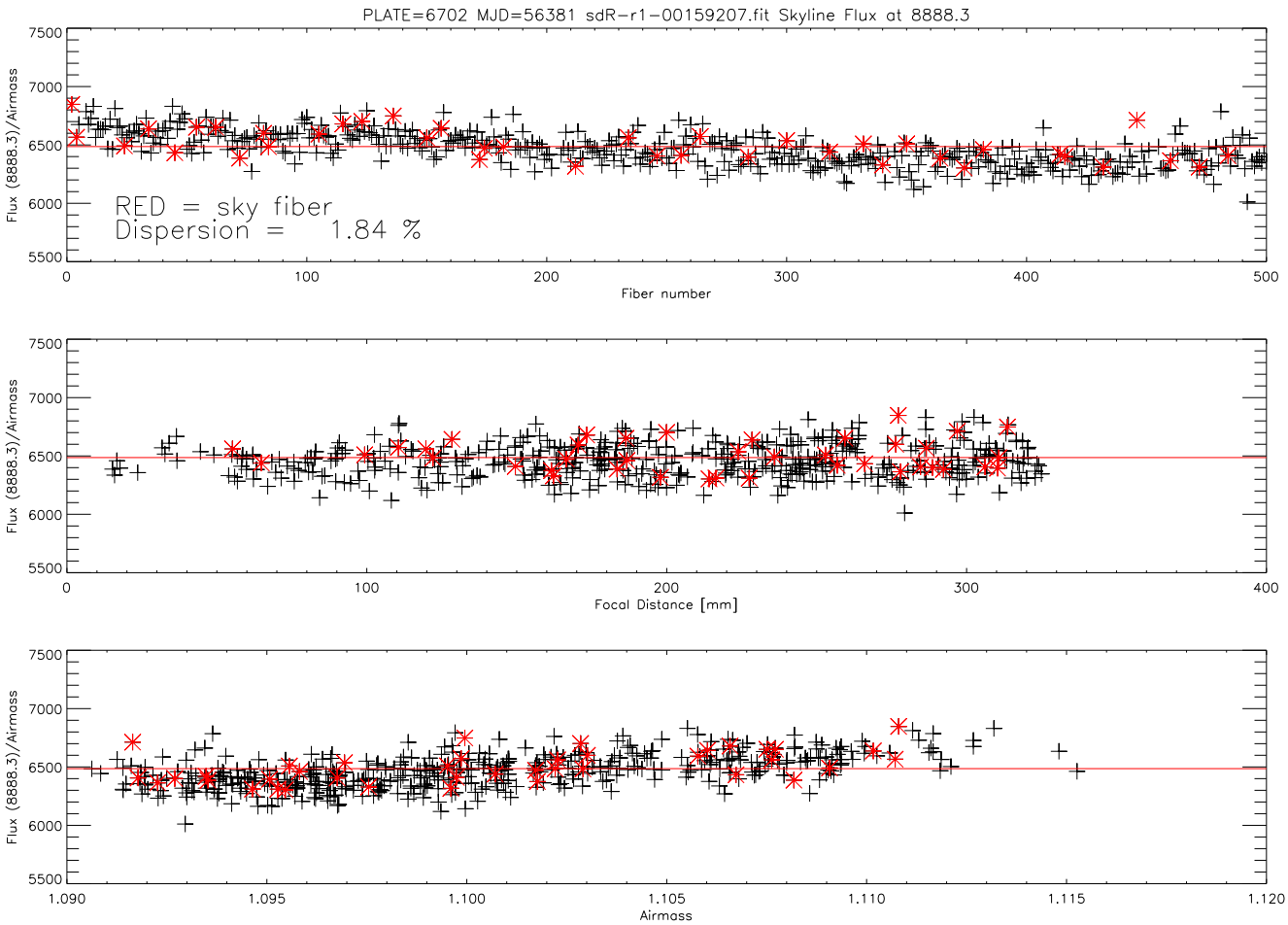

PLATE=6702 MJD=56381 sdR-r1-00159207.fit 2D Sky-subtraction Sky Fibers
Flux [electrons]
4000
3000
2000
1000
0
8820
8840
8860
8880
8900
λ [A]

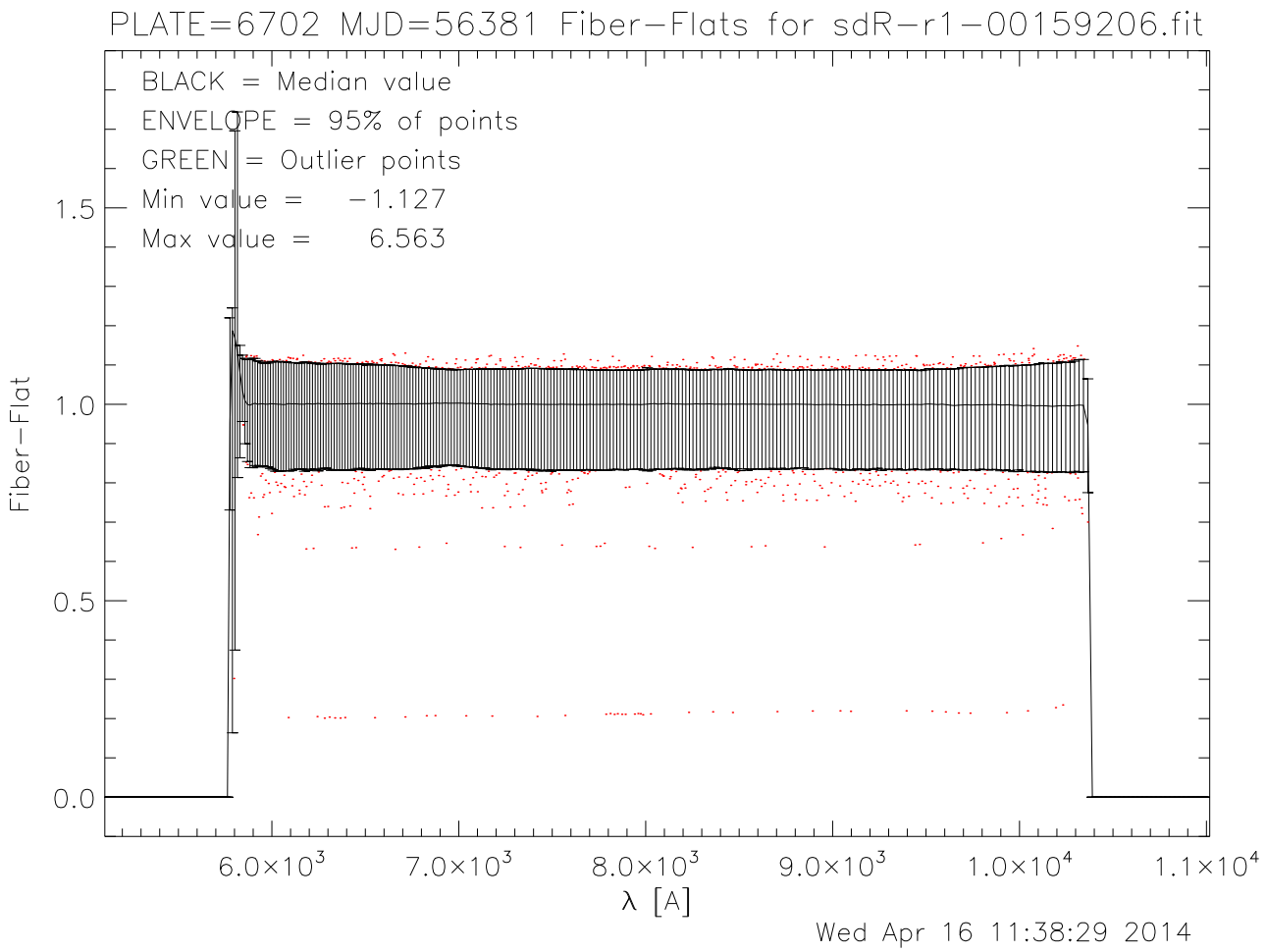

PLATE=6702 MJD=56381 sdR-r1-00159207.fit 2D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
300
200
100
0
-100
-200
8820
8840
8860
8880
8900
λ [A]

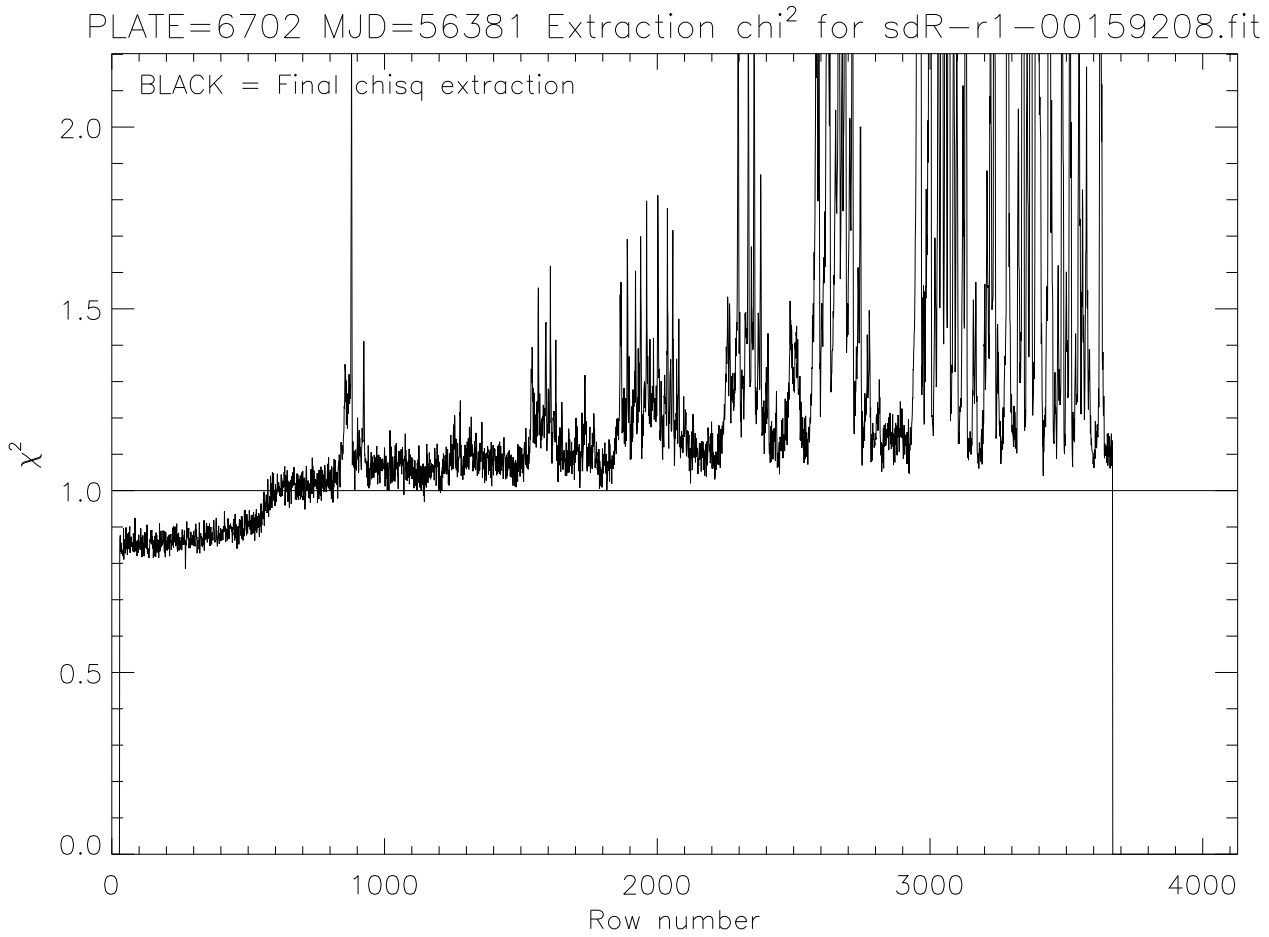
Number of sky fibers = 41

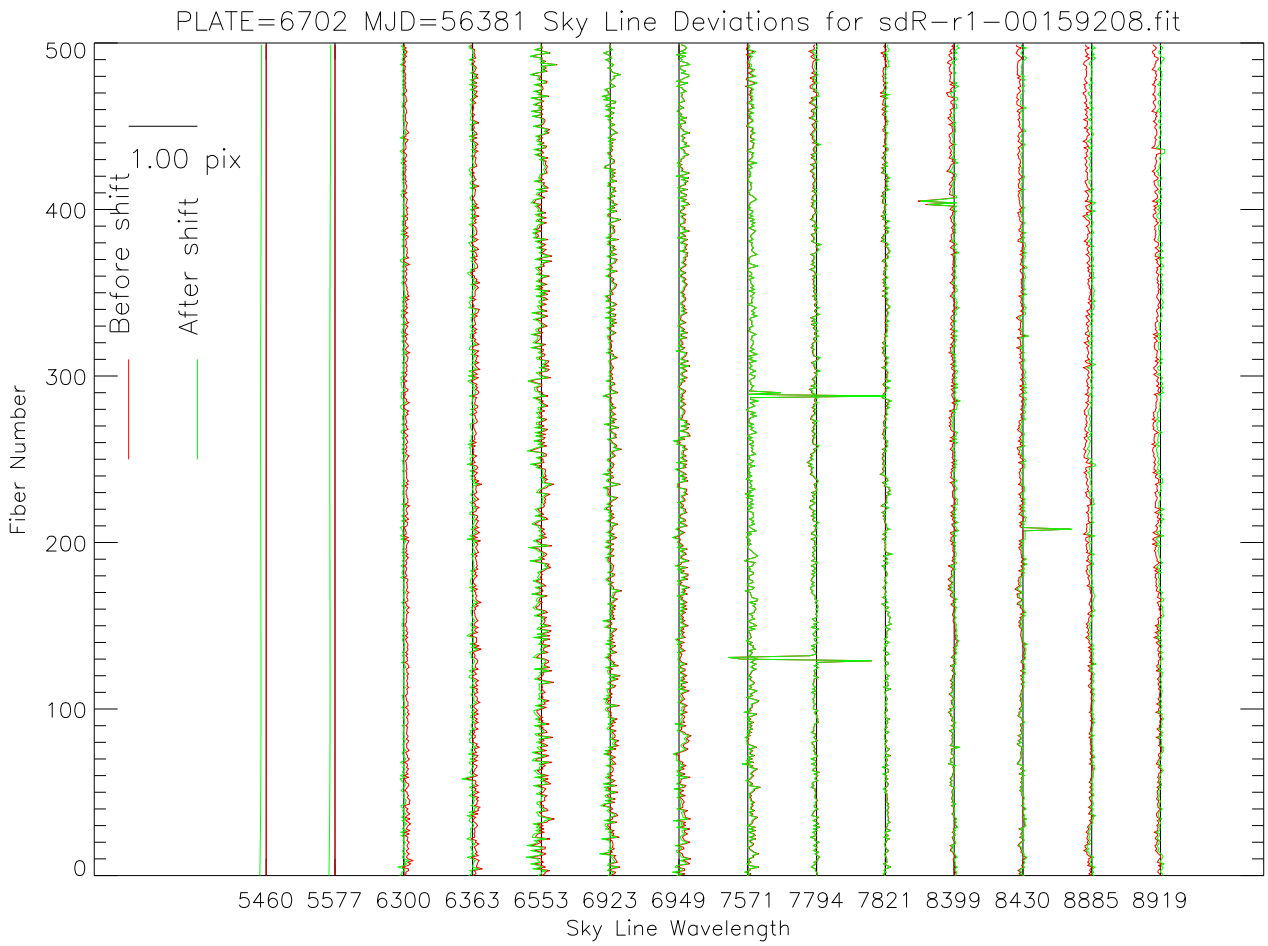


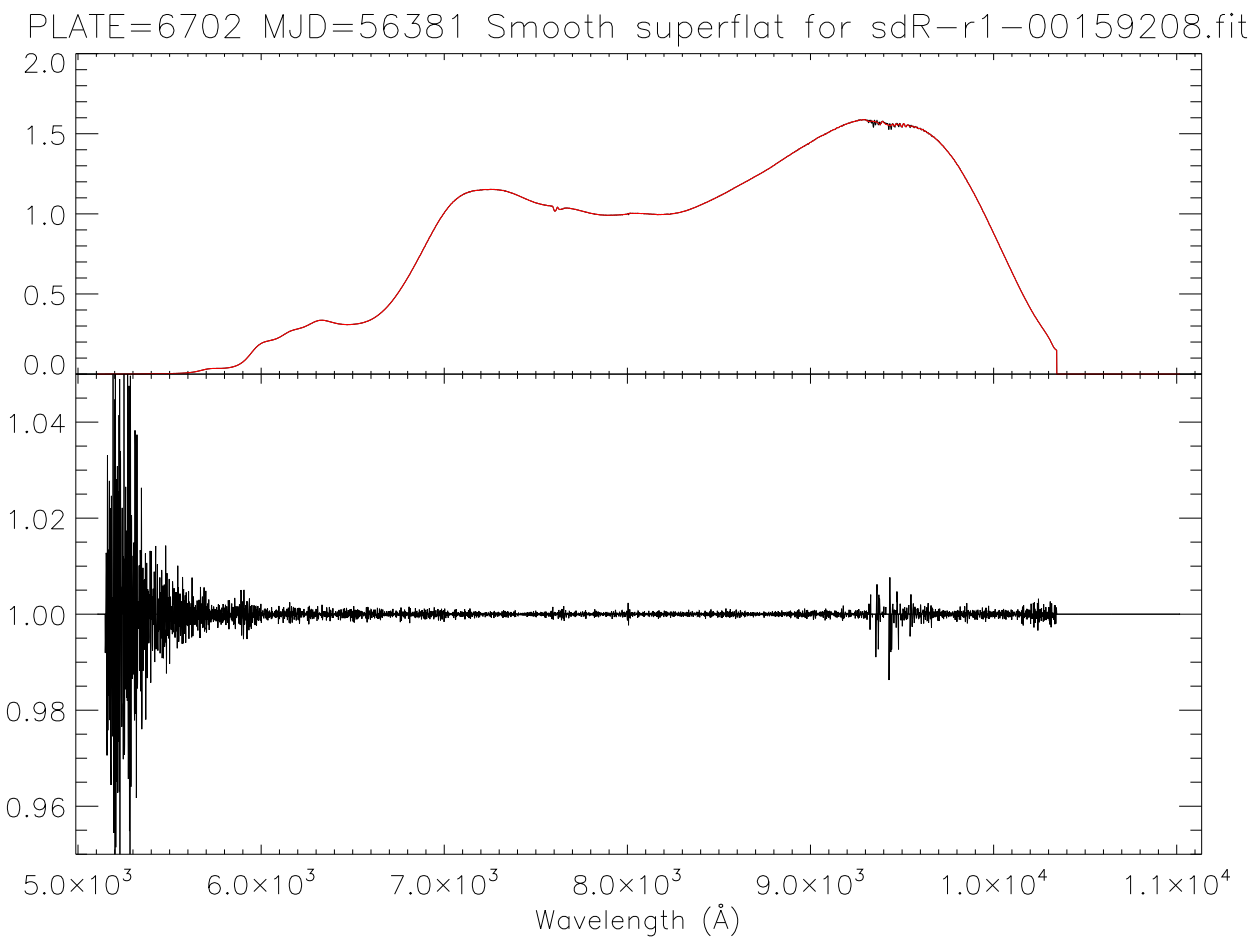

PLATE=6702 MJD=56381 sdR-r1-00159207.fit Skyline Flux at 7343,0
Flux (7343.0)/Airmass
Fiber number
RED = sky fiber
Dispersion = 2.31 %
Flux (7343.0)/Airmass
Focal Distance [mm]
Flux (7343.0)/Airmass
Airmass

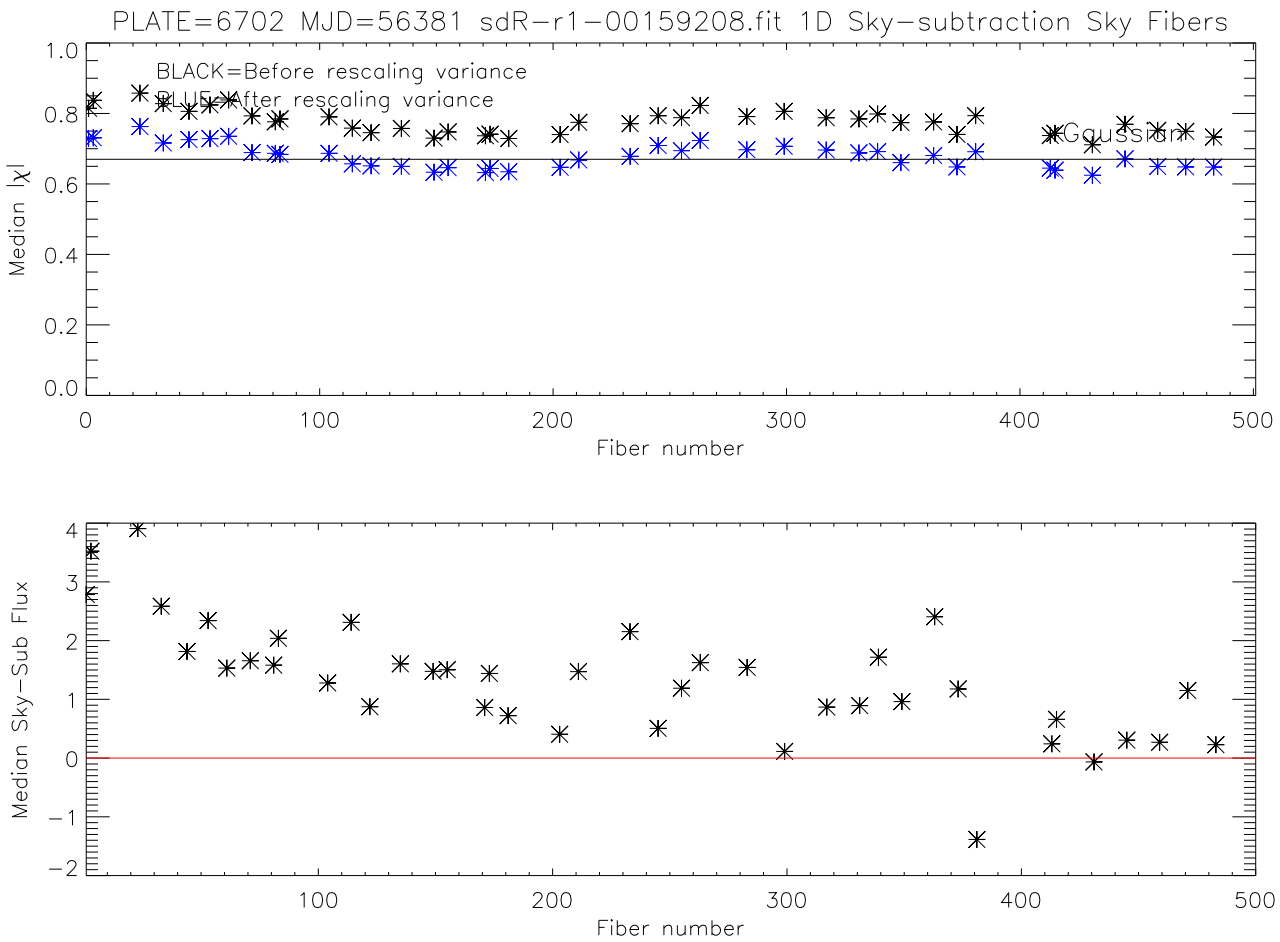

PLATE=6702 MJD=56381 sdR-r1-00159207.fit Skyline Flux at 8888.3
Flux (8888.3)/Airmass
RED = sky fiber
Dispersion = 1.84 %
Fiber number
Focal Distance [mm]
Airmass

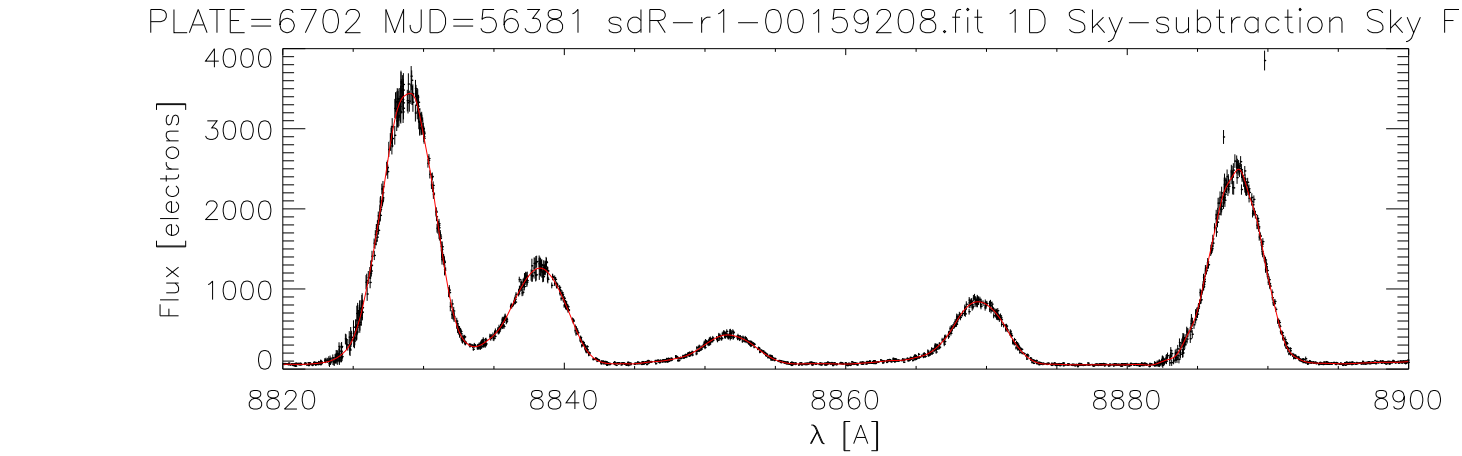

PLATE=6702 MJD=56381 Fiber−Flats for sdR−r1−00159206.fit
BLACK = Median value
ENVELOPE = 95% of points
GREEN = Outlier points
Min value = −1.127
Max value = 6.563
Fiber−Flat
1.5
1.0
0.5
0.0
6.0×10^3
7.0×10^3
8.0×10^3
9.0×10^3
1.0×10^4
1.1×10^4
λ [A]
Wed Apr 16 11:38:29 2014

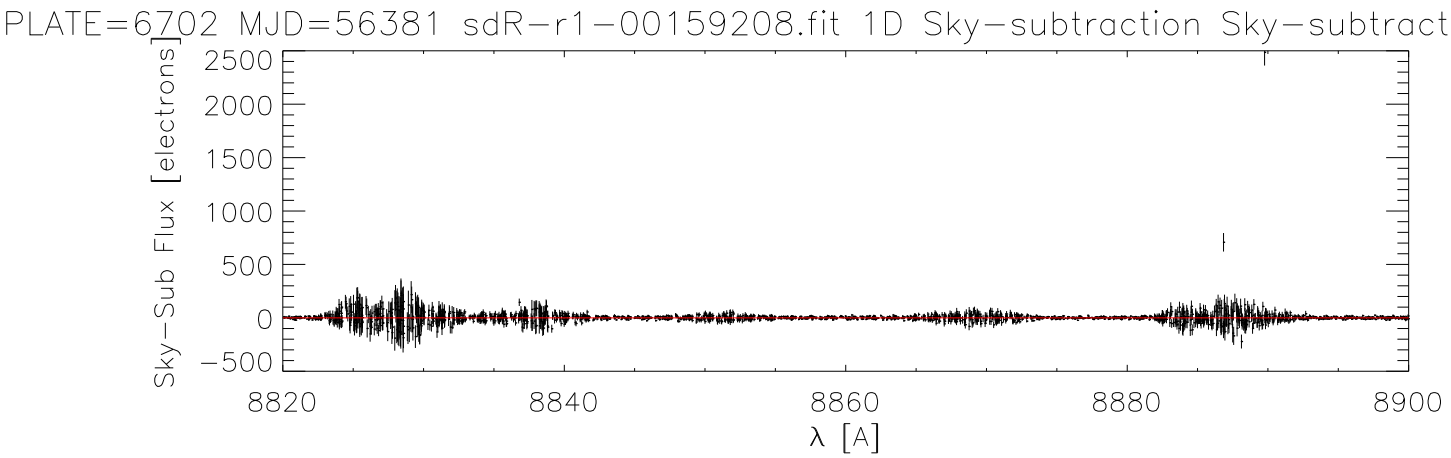

PLATE=6702 MJD=56381 Extraction chi^2 for sdR−r1−00159208.fit
BLACK = Final chisq extraction
χ^2
2.0
1.5
1.0
0.5
0.0
0
1000
2000
3000
4000
Row number


PLATE=6702 MJD=56381 Sky Line Deviations for sdR-r1-00159208.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

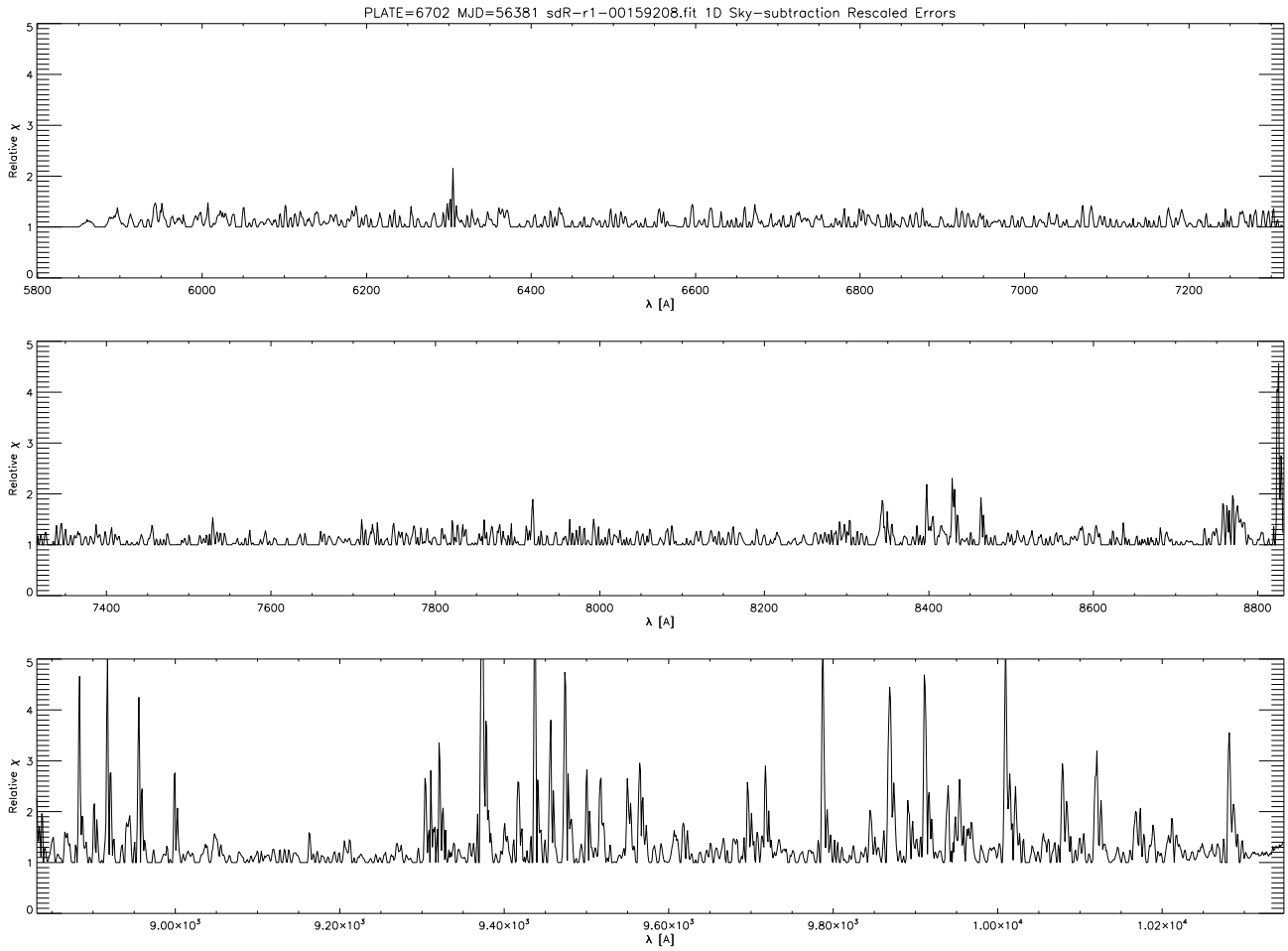

PLATE=6702 MJD=56381 Smooth superflat for sdR-r1-00159208.fit
2.0
1.5
1.0
0.5
0.0
1.04
1.02
1.00
0.98
0.96
5.0×10^3
6.0×10^3
7.0×10^3
8.0×10^3
9.0×10^3
1.0×10^4
1.1×10^4
Wavelength (Å)

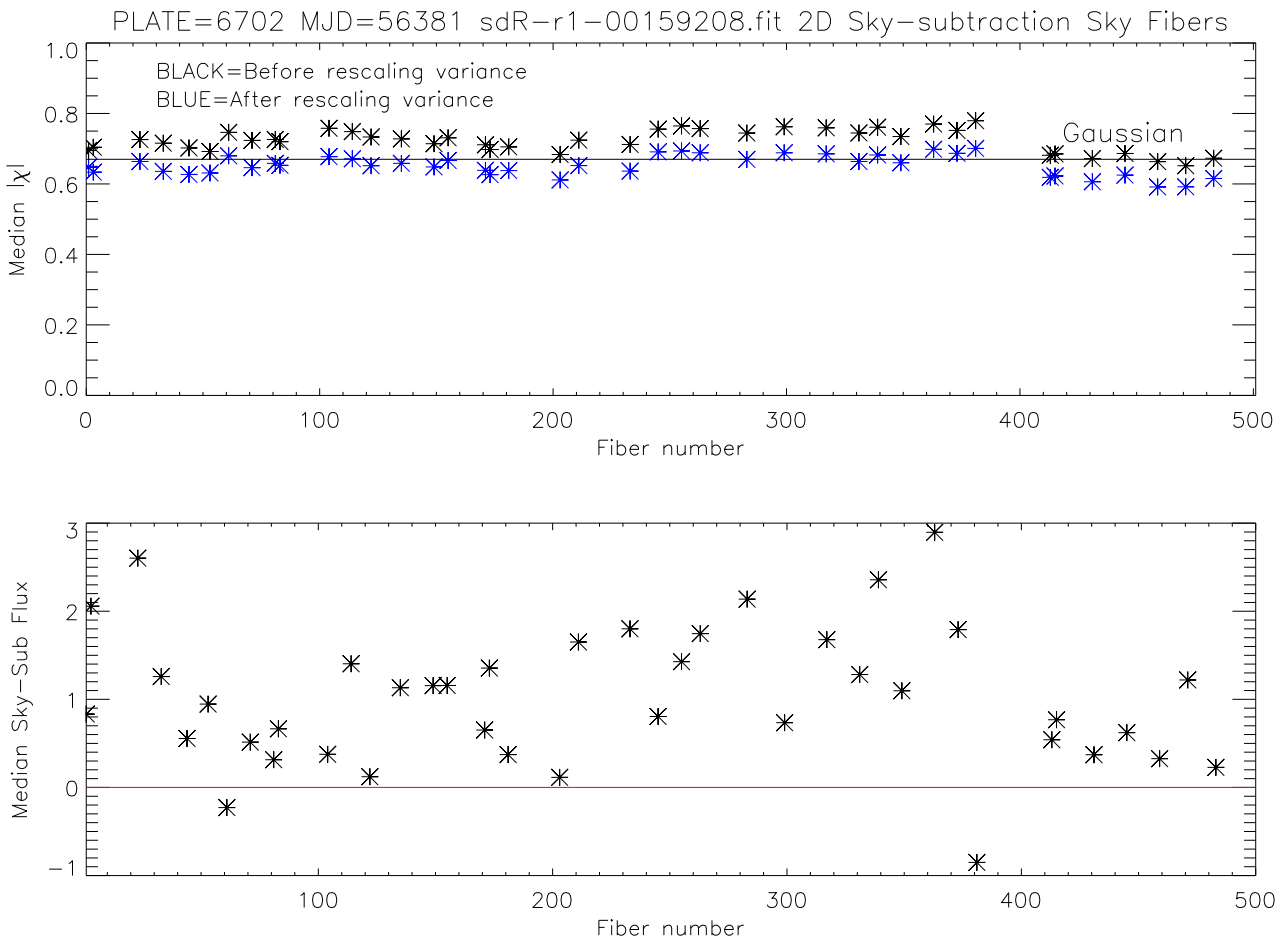

PLATE=6702 MJD=56381 sdR-r1-00159208.fit 1D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

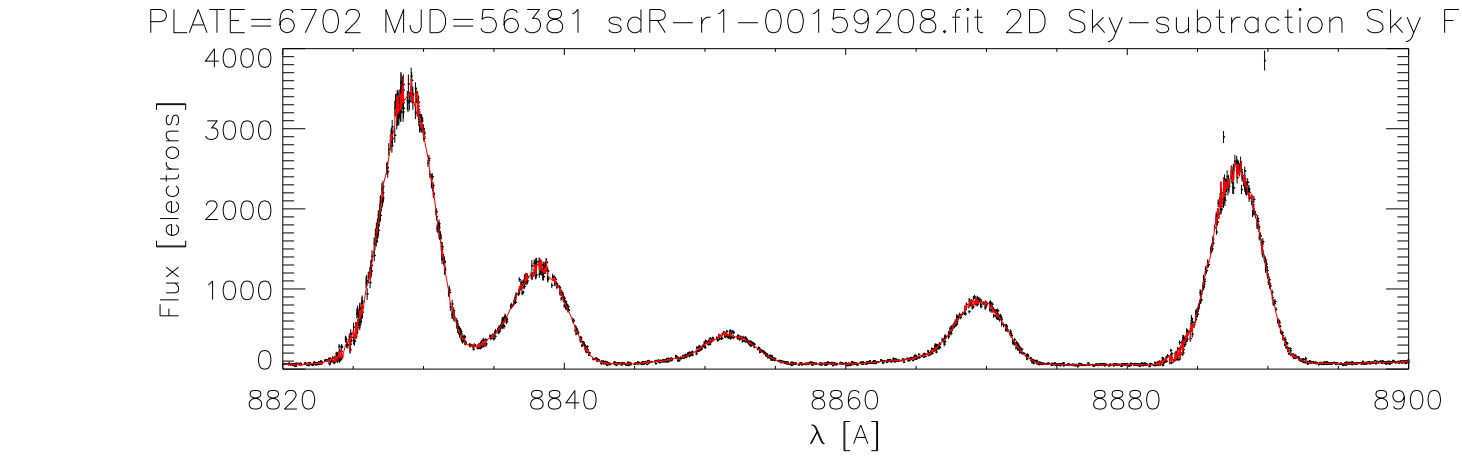

PLATE=6702 MJD=56381 sdR-r1-00159208.fit 1D Sky-subtraction Sky Fibers
Flux [electrons]
4000
3000
2000
1000
0
8820
8840
8860
8880
8900
λ [A]

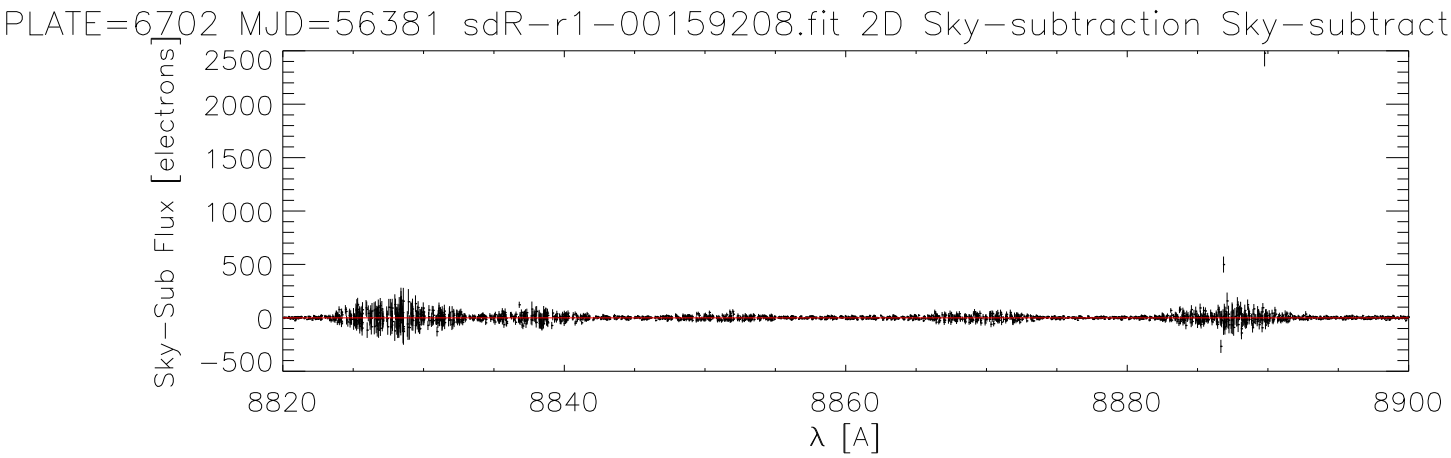

PLATE=6702 MJD=56381 sdR-r1-00159208.fit 1D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
2500
2000
1500
1000
500
0
-500
8820
8840
8860
8880
8900
λ [A]

Number of sky fibers = 41

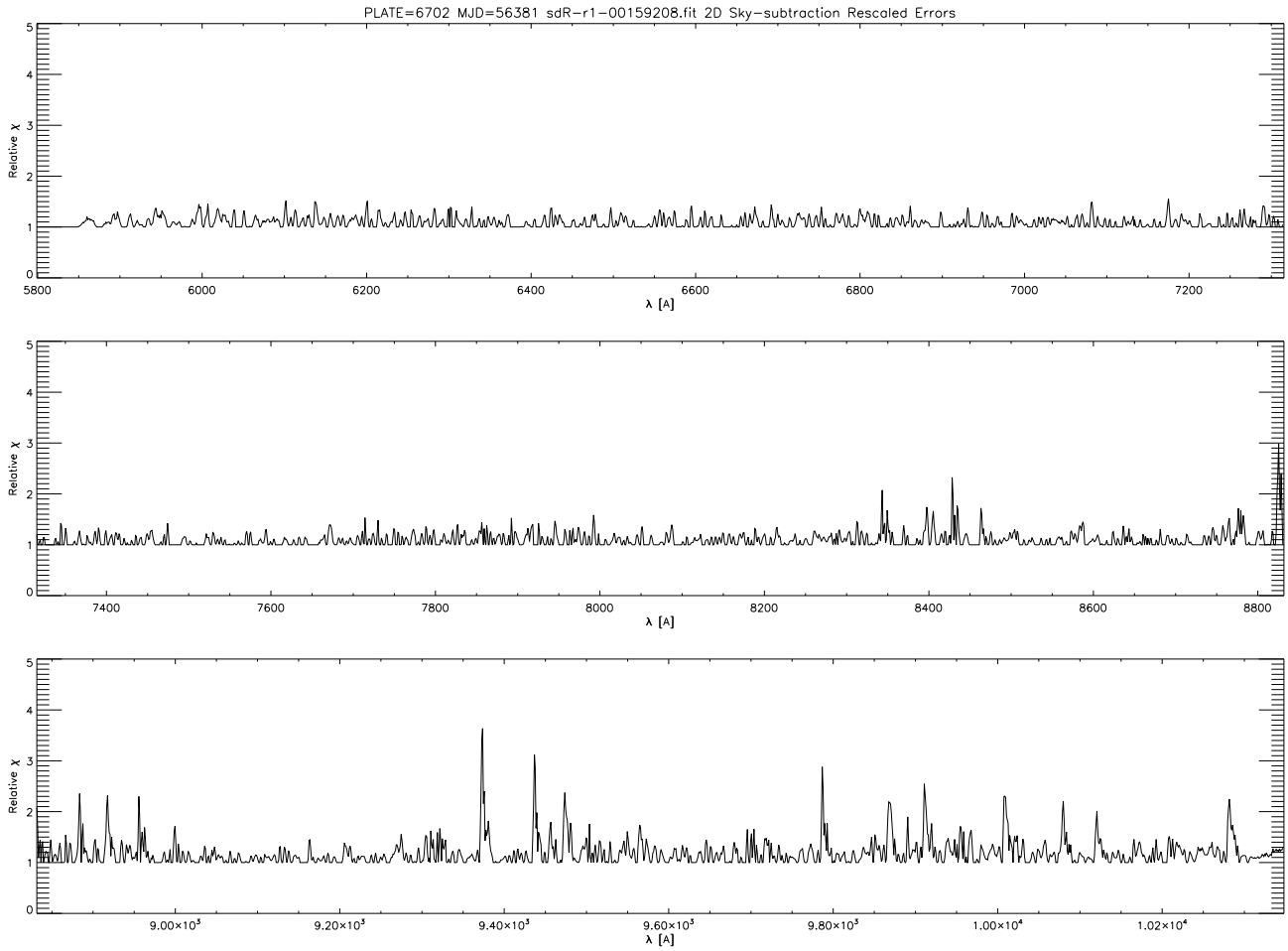


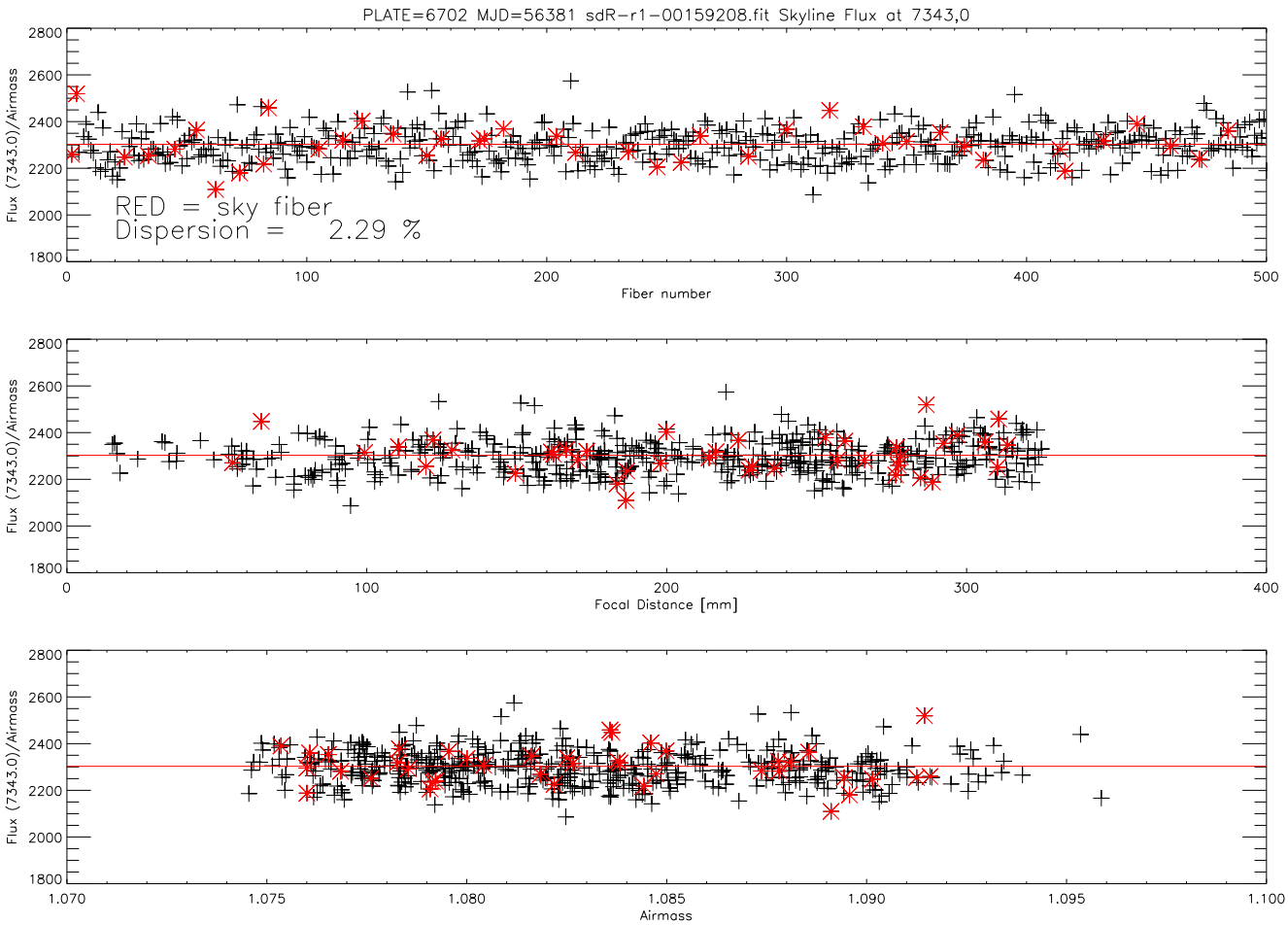

PLATE=6702 MJD=56381 sdR-r1-00159208.fit 2D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

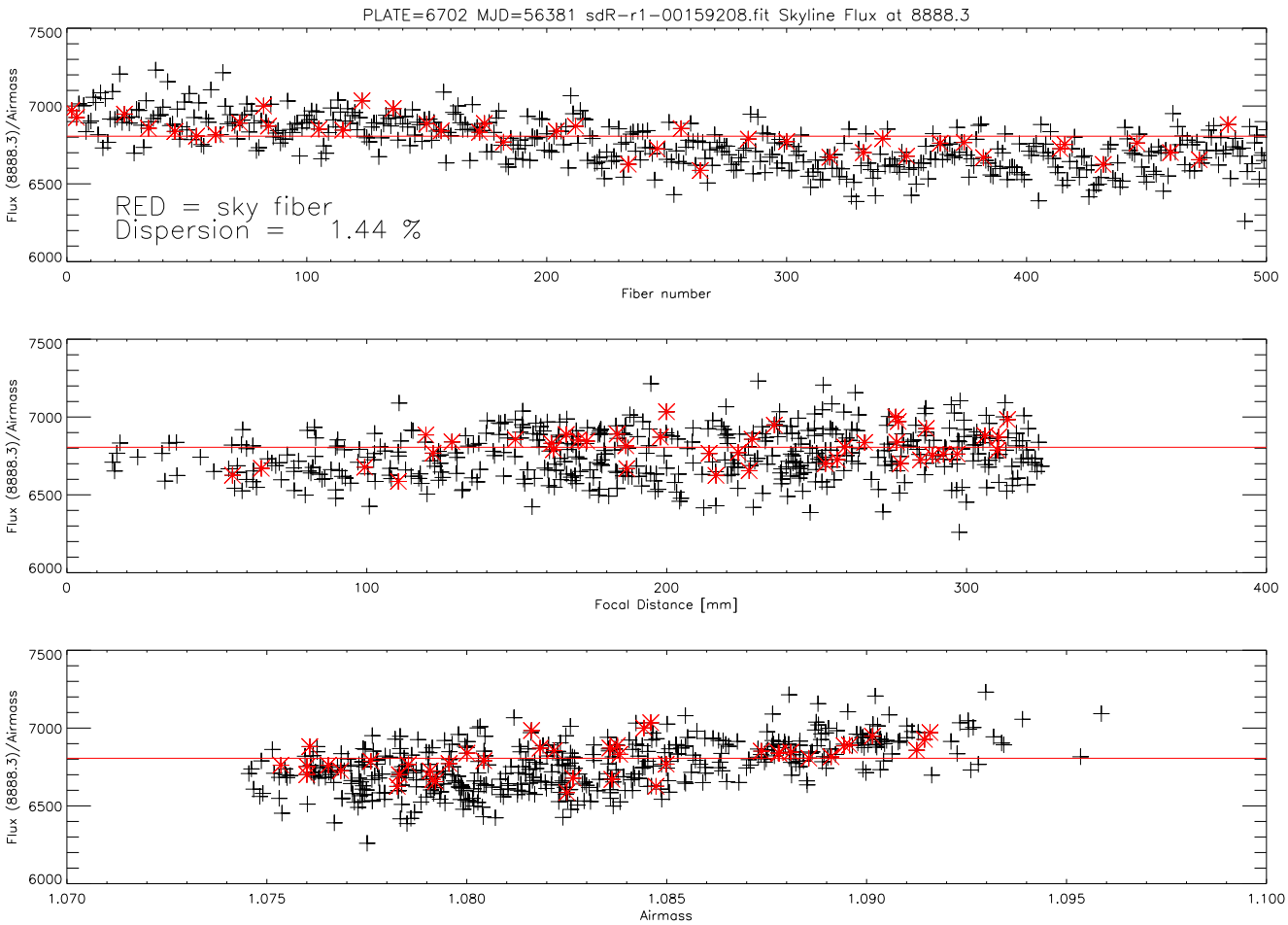

PLATE=6702 MJD=56381 sdR-r1-00159208.fit 2D Sky-subtraction Sky Fibers
Flux [electrons]
4000
3000
2000
1000
0
8820
8840
8860
8880
8900
λ [A]

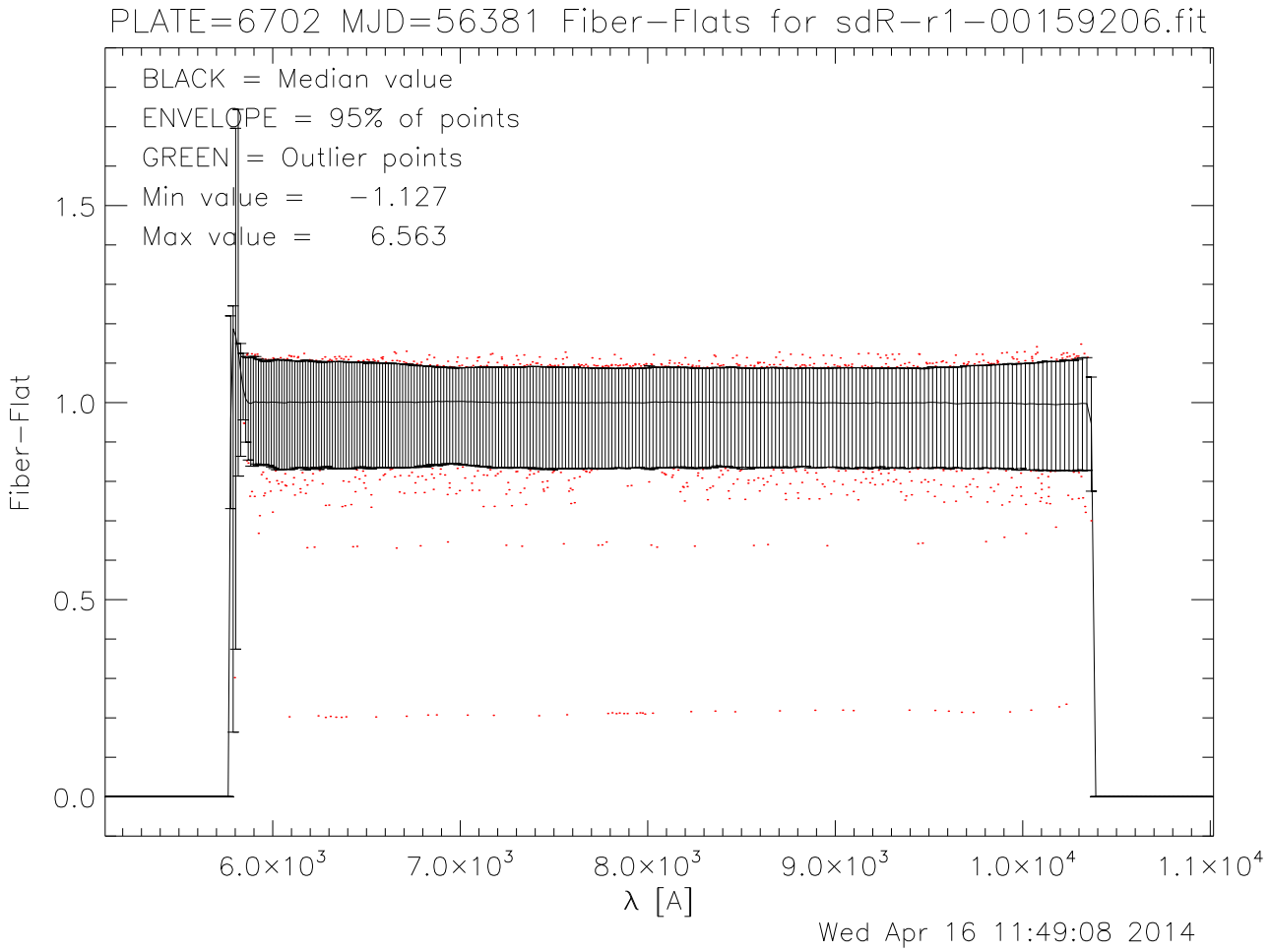

PLATE=6702 MJD=56381 sdR-r1-00159208.fit 2D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
2500
2000
1500
1000
500
0
-500
8820
8840
8860
8880
8900
λ [A]

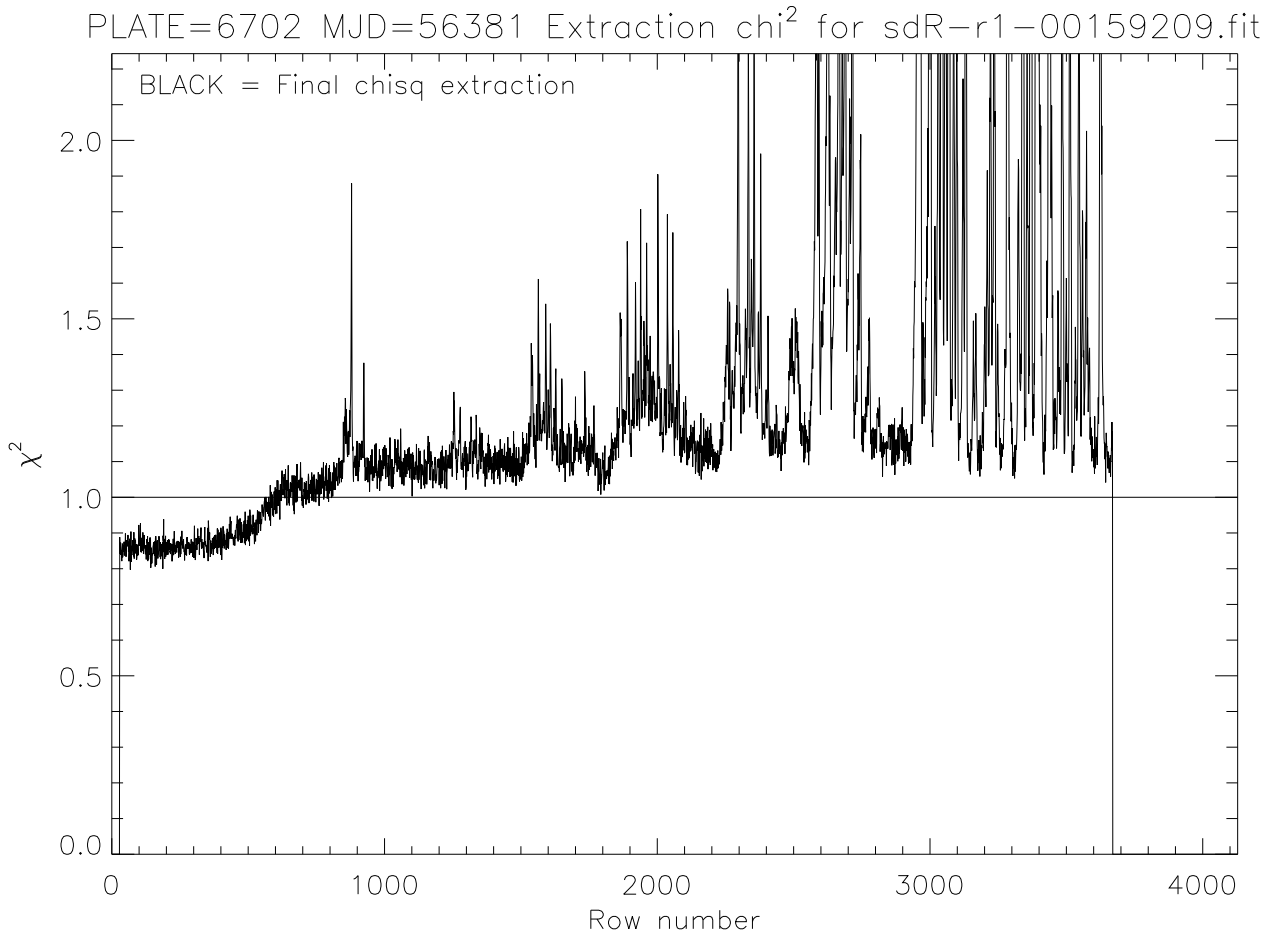
Number of sky fibers = 41

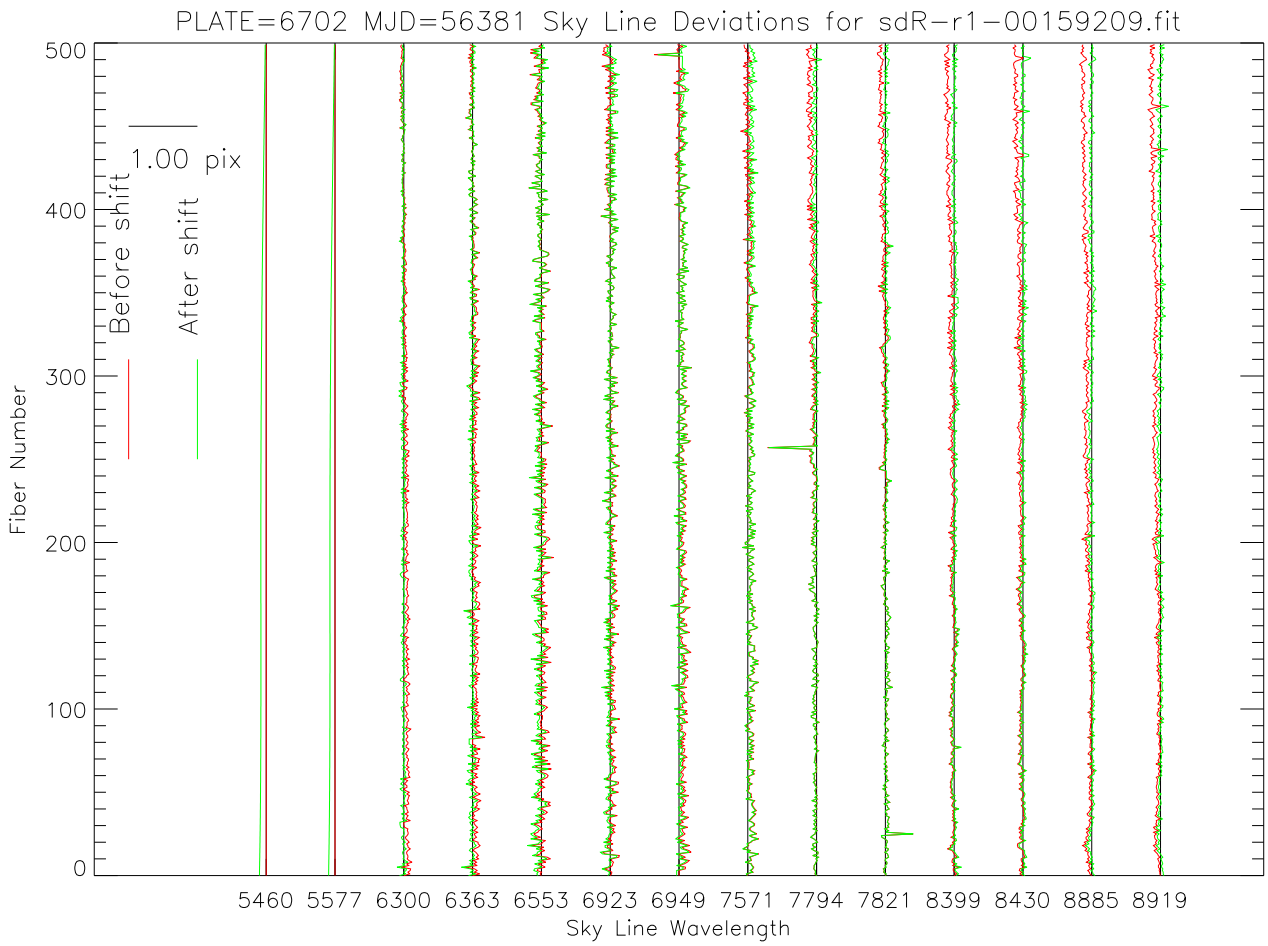


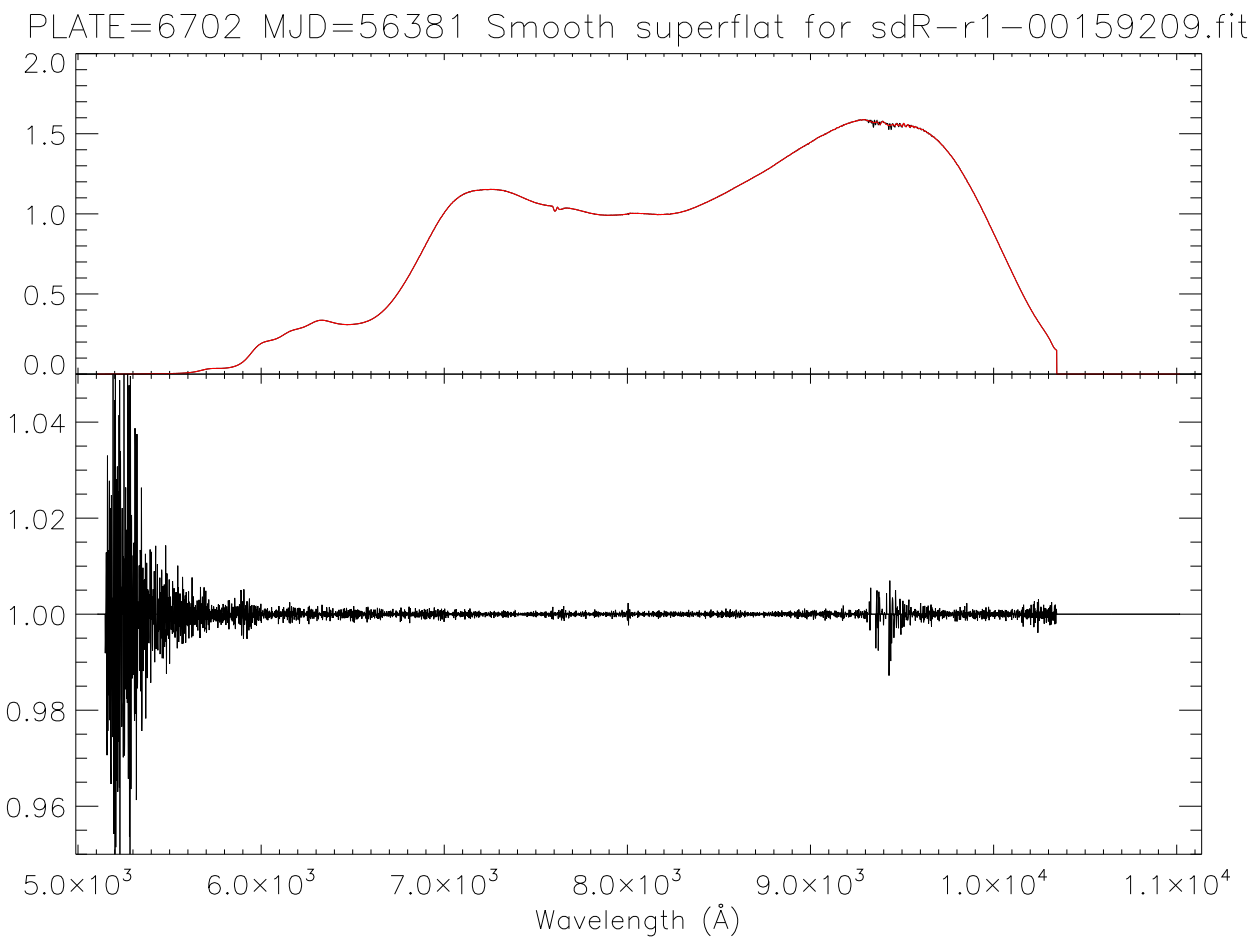

PLATE=6702 MJD=56381 sdR-r1-00159208.fit Skyline Flux at 7343,0
Flux (7343.0)/Airmass
RED = sky fiber
Dispersion = 2.29 %
Fiber number
Flux (7343.0)/Airmass
Focal Distance [mm]
Flux (7343.0)/Airmass
Airmass

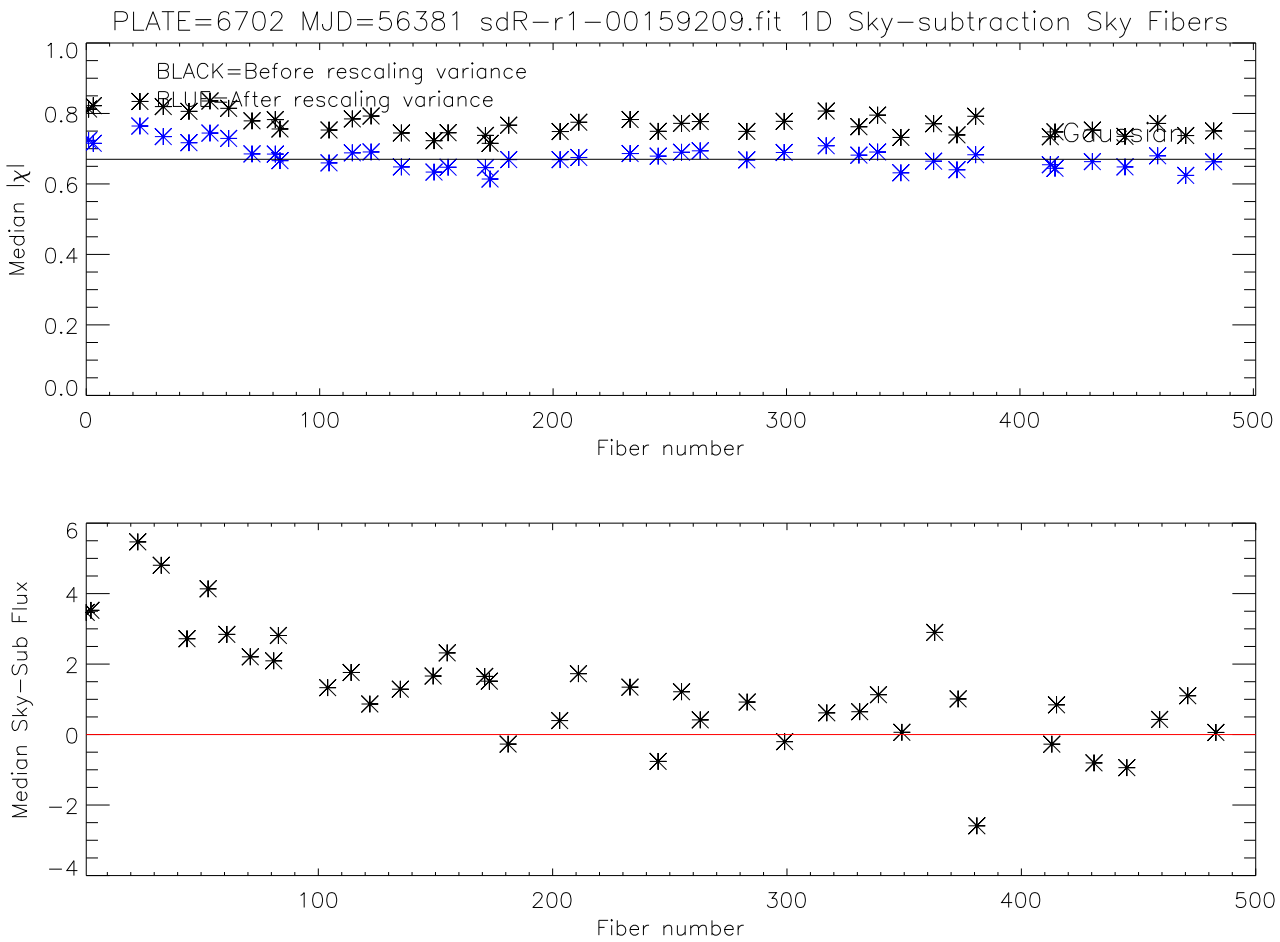

PLATE=6702 MJD=56381 sdR-r1-00159208.fit Skyline Flux at 8888.3
Flux (8888.3)/Airmass
Fiber number
RED = sky fiber
Dispersion = 1.44 %
Flux (8888.3)/Airmass
Focal Distance [mm]
Flux (8888.3)/Airmass
Airmass

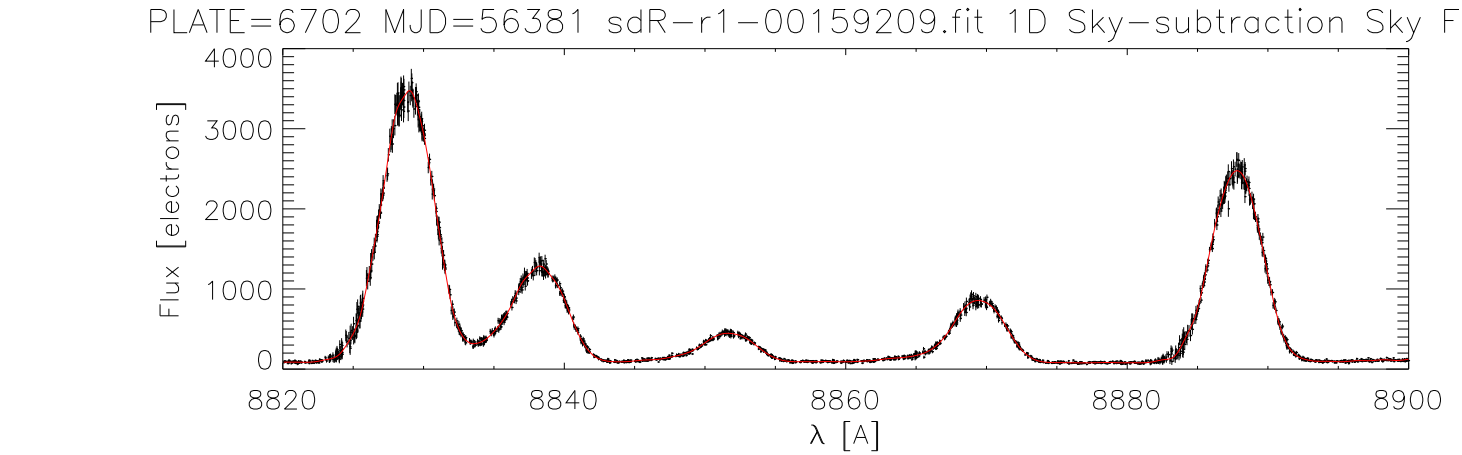

PLATE=6702 MJD=56381 Fiber−Flats for sdR−r1−00159206.fit
BLACK = Median value
ENVELOPE = 95% of points
GREEN = Outlier points
Min value = −1.127
Max value = 6.563
Fiber−Flat
1.5
1.0
0.5
0.0
6.0×10^3
7.0×10^3
8.0×10^3
9.0×10^3
1.0×10^4
1.1×10^4
λ [A]
Wed Apr 16 11:49:08 2014

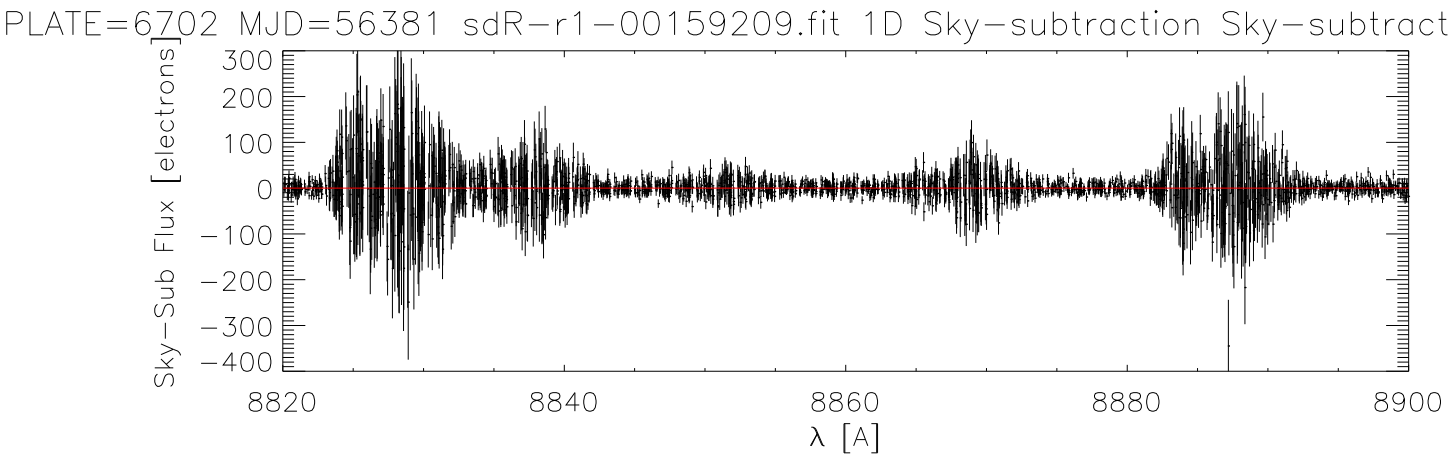

PLATE=6702 MJD=56381 Extraction chi^2 for sdR−r1−00159209.fit
BLACK = Final chisq extraction
χ^2
2.0
1.5
1.0
0.5
0.0
0
1000
2000
3000
4000
Row number


PLATE=6702 MJD=56381 Sky Line Deviations for sdR-r1-00159209.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

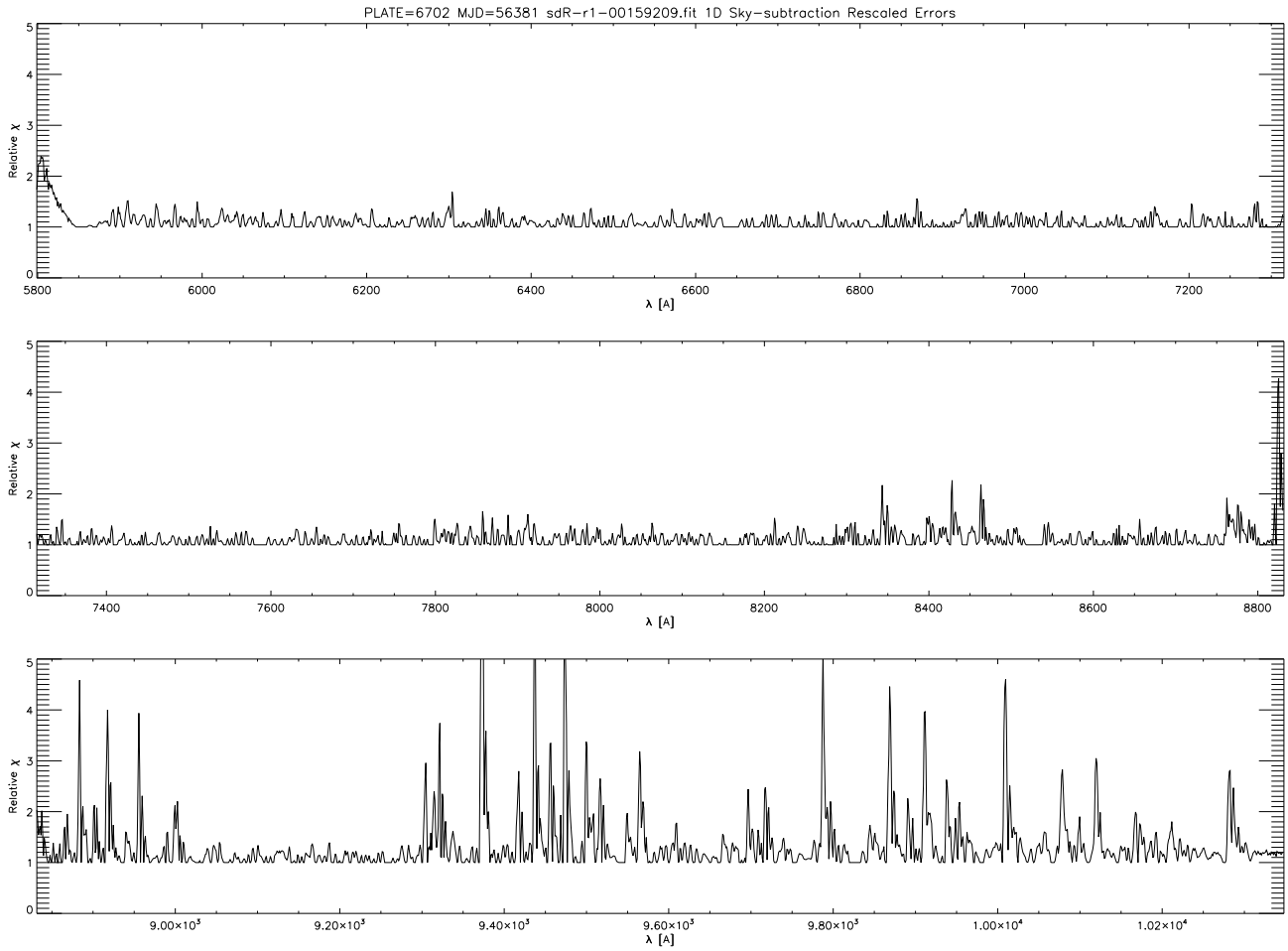

PLATE=6702 MJD=56381 Smooth superflat for sdR-r1-00159209.fit
2.0
1.5
1.0
0.5
0.0
1.04
1.02
1.00
0.98
0.96
5.0×10^3
6.0×10^3
7.0×10^3
8.0×10^3
9.0×10^3
1.0×10^4
1.1×10^4
Wavelength (Å)

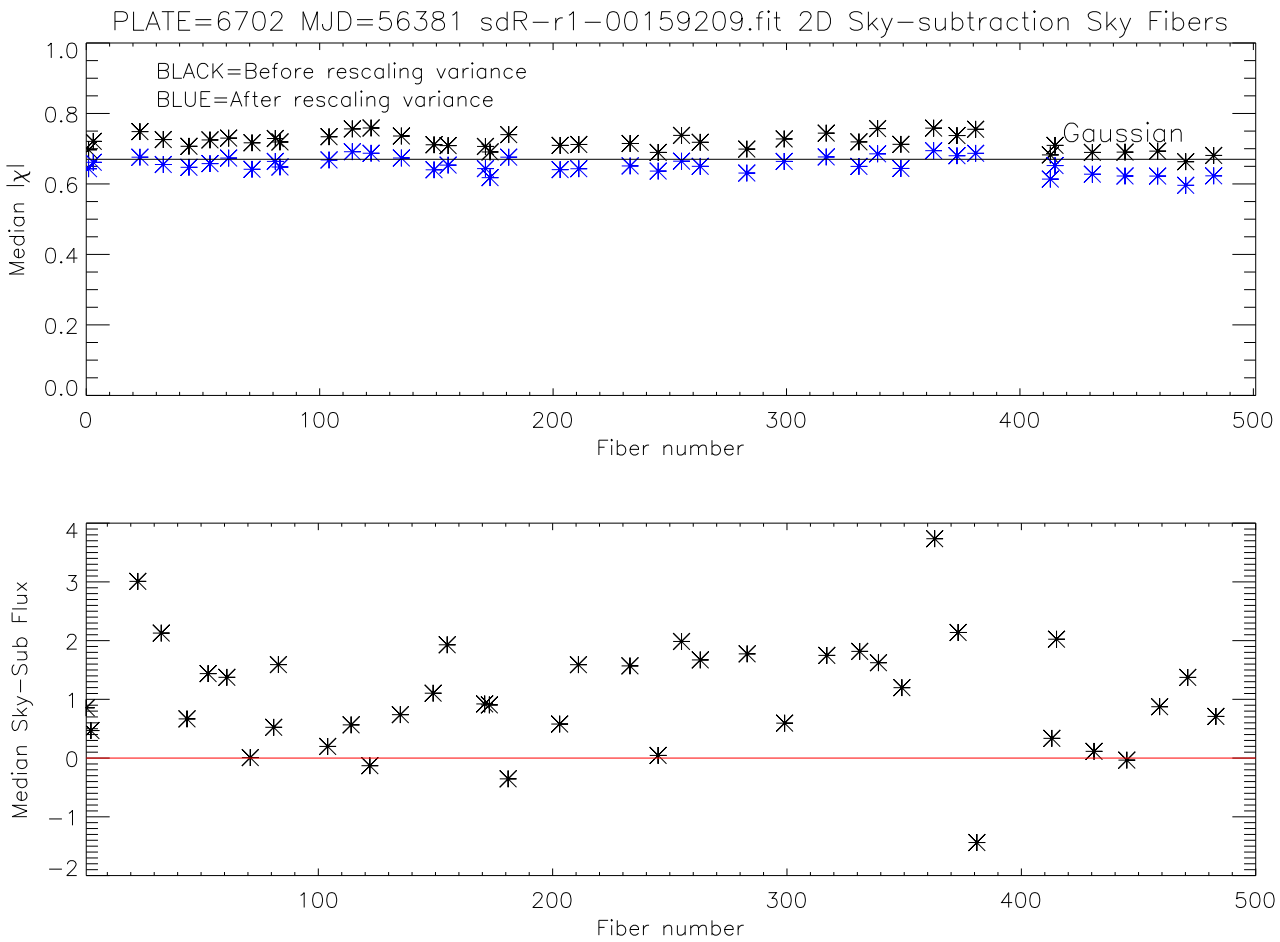

PLATE=6702 MJD=56381 sdR-r1-00159209.fit 1D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

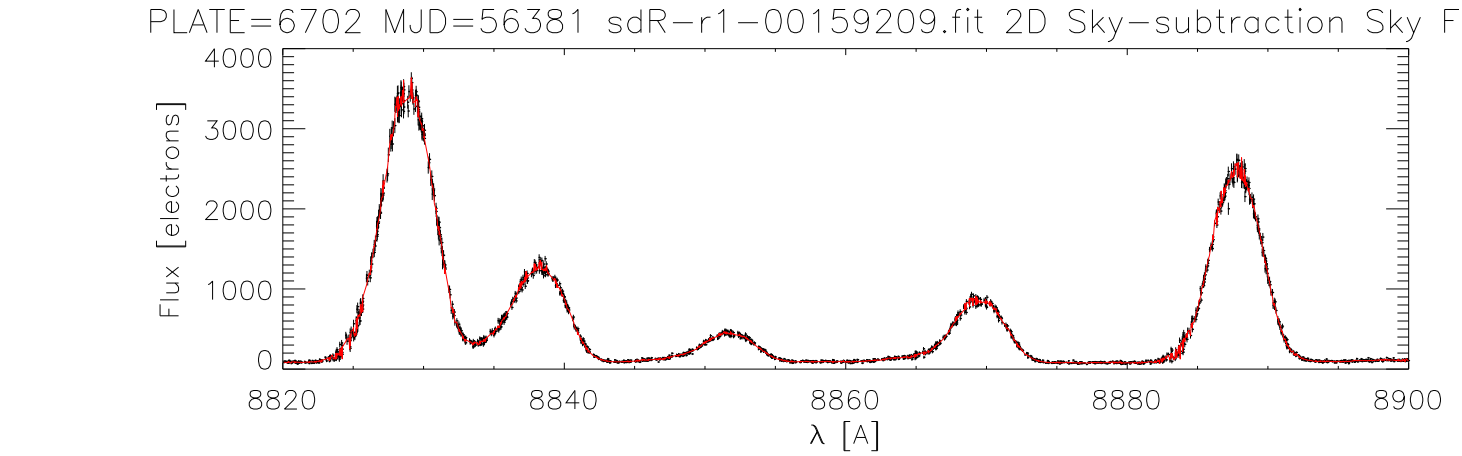

PLATE=6702 MJD=56381 sdR-r1-00159209.fit 1D Sky-subtraction Sky Fibers
Flux [electrons]
4000
3000
2000
1000
0
8820
8840
8860
8880
8900
λ [A]

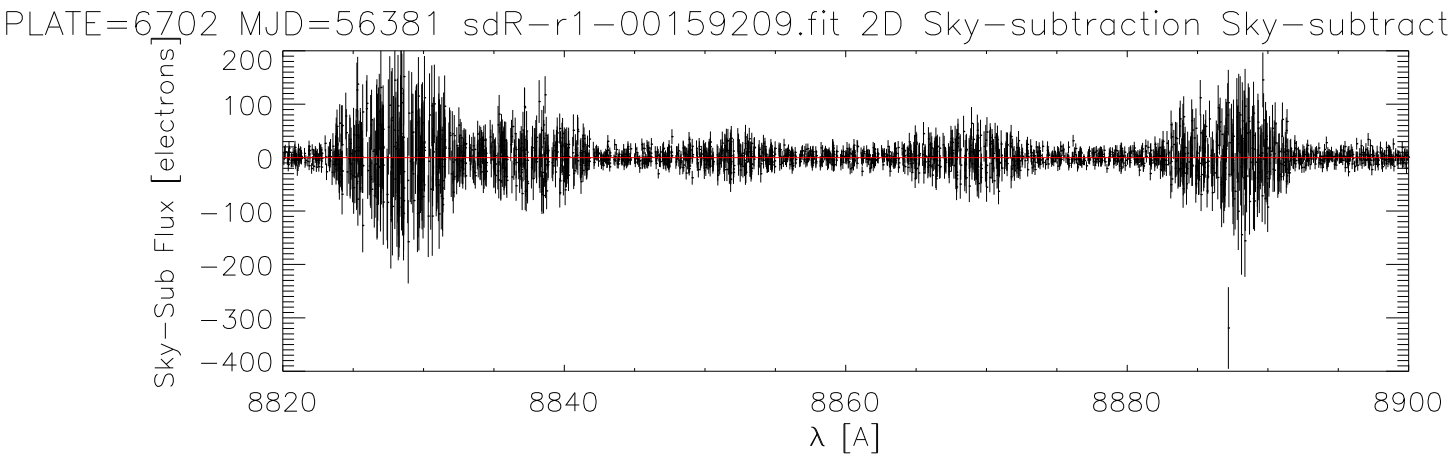

PLATE=6702 MJD=56381 sdR-r1-00159209.fit 1D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
300
200
100
0
-100
-200
-300
-400
8820
8840
8860
8880
8900
λ [A]

Number of sky fibers = 41

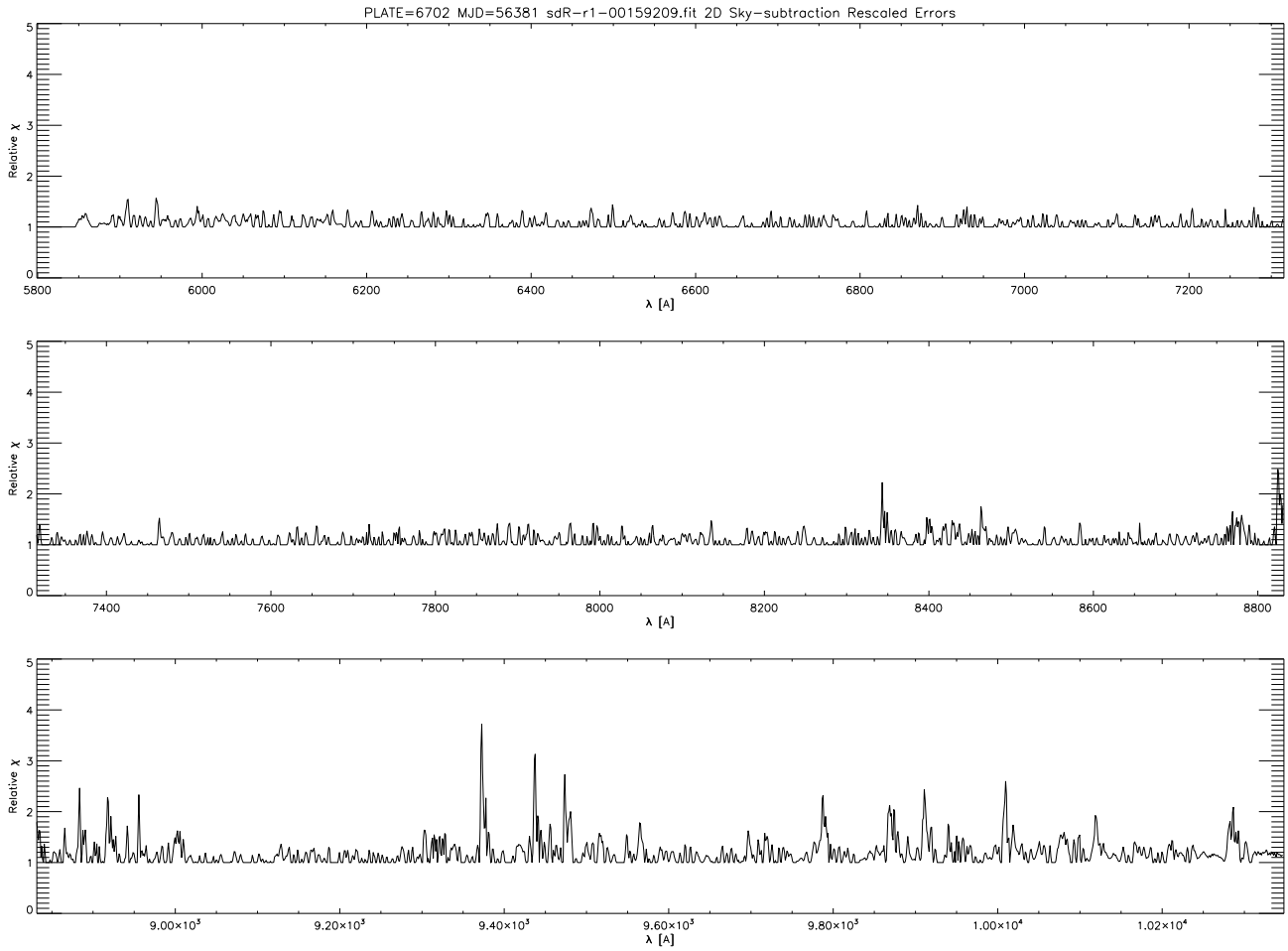


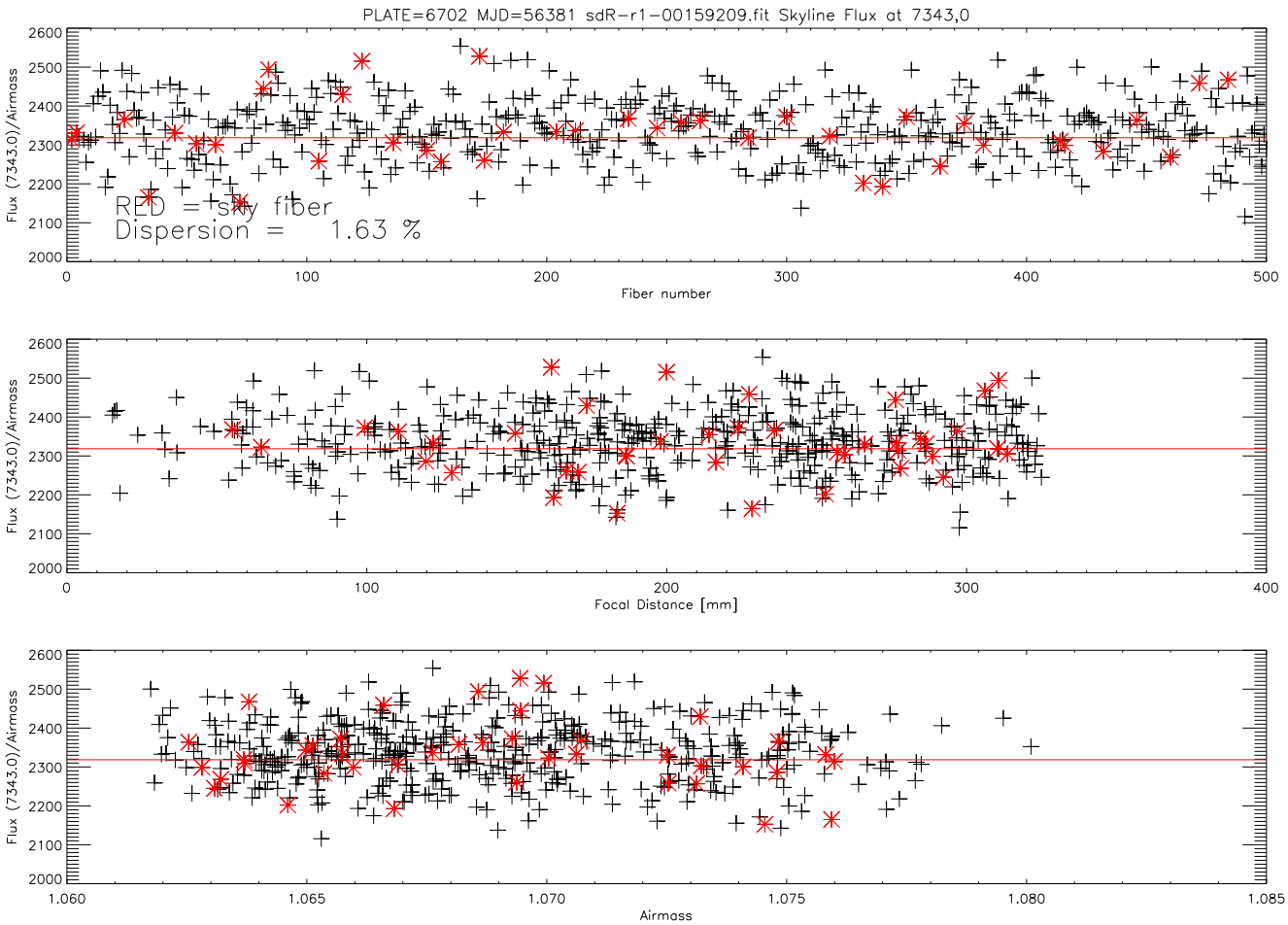

PLATE=6702 MJD=56381 sdR-r1-00159209.fit 2D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussign
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

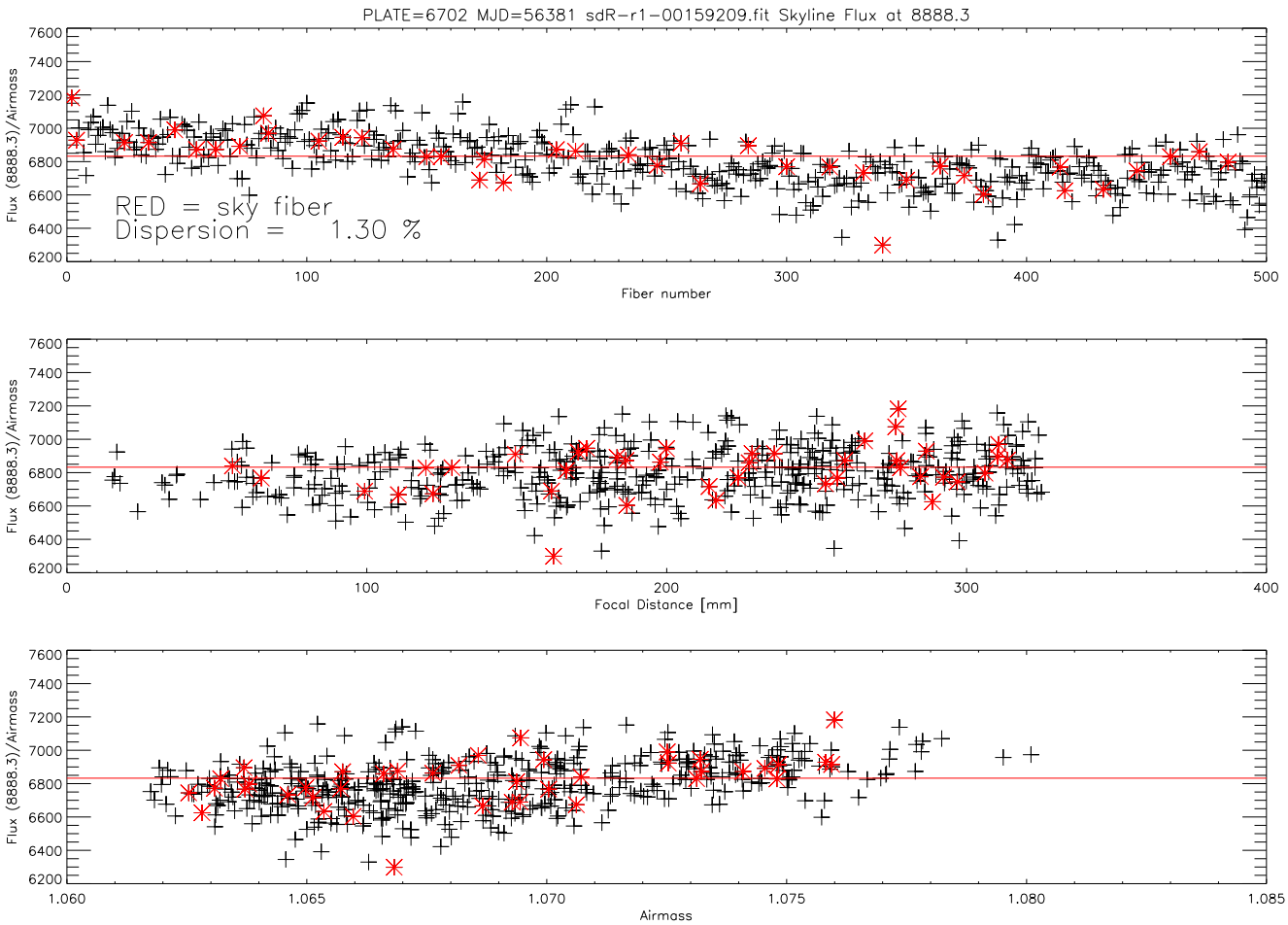

PLATE=6702 MJD=56381 sdR-r1-00159209.fit 2D Sky-subtraction Sky Fibers
Flux [electrons]
4000
3000
2000
1000
0
8820
8840
8860
8880
8900
λ [A]


PLATE=6702 MJD=56381 sdR-r1-00159209.fit 2D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
200
100
0
-100
-200
-300
-400
8820
8840
8860
8880
8900
λ [A]

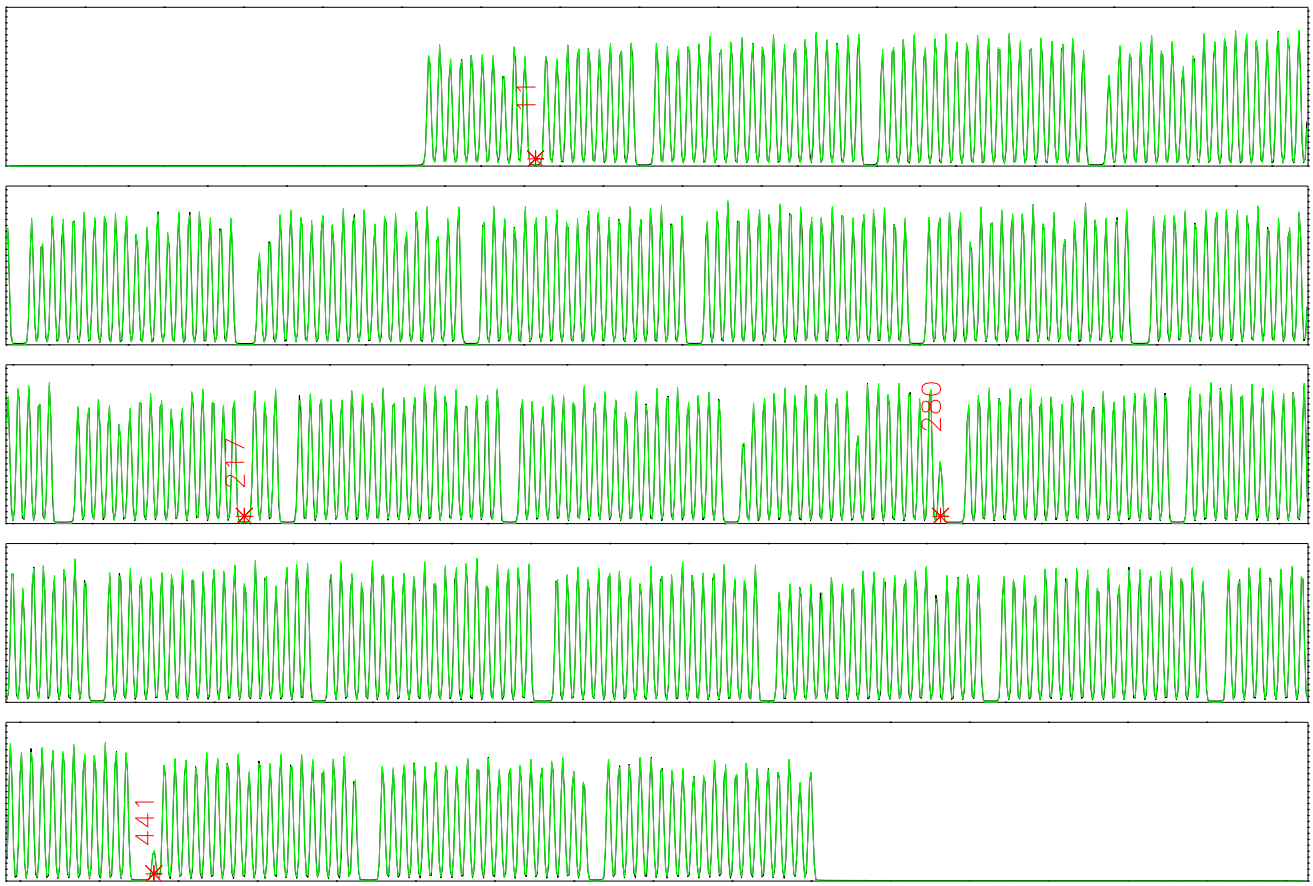
Number of sky fibers = 41

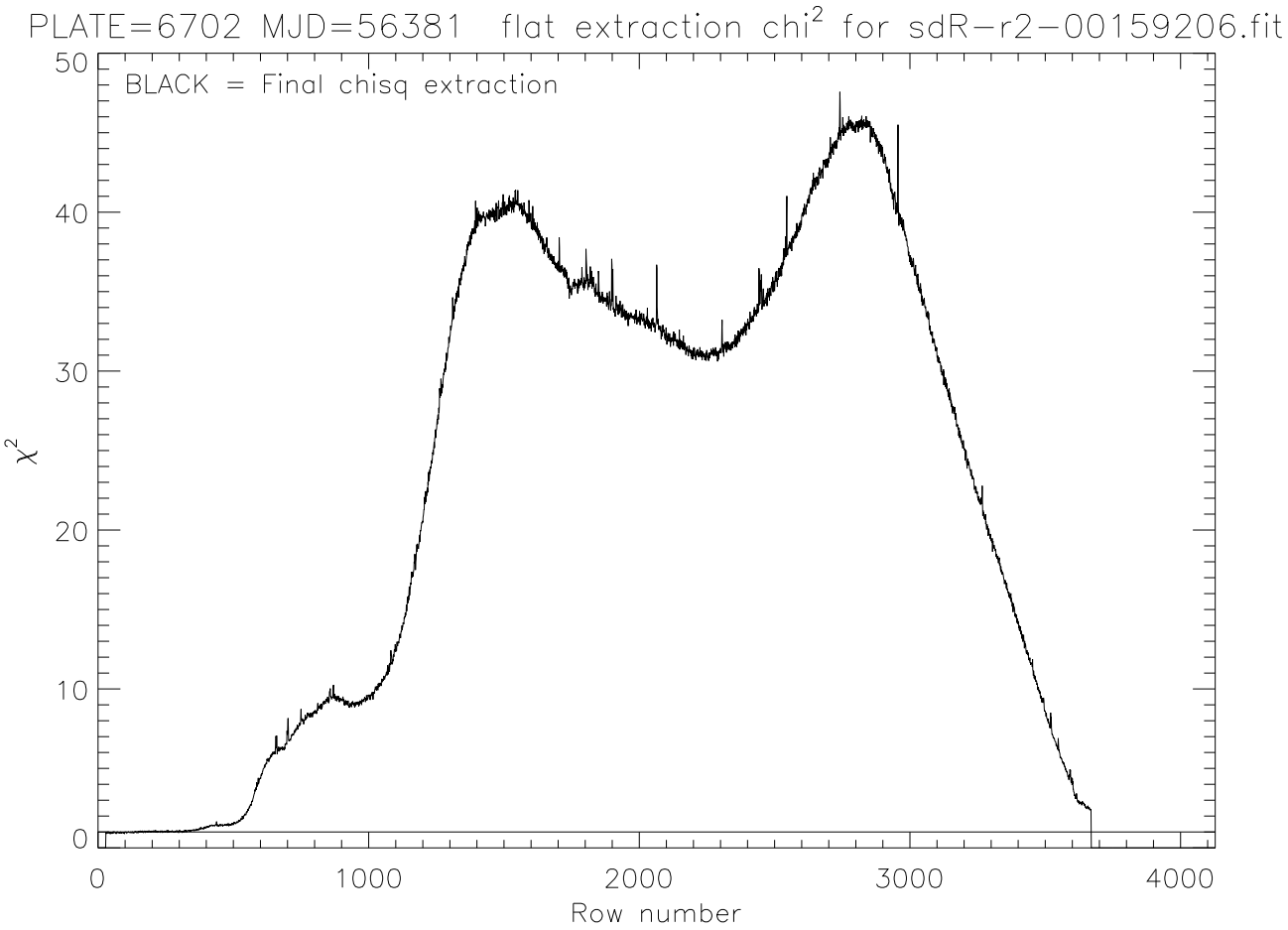


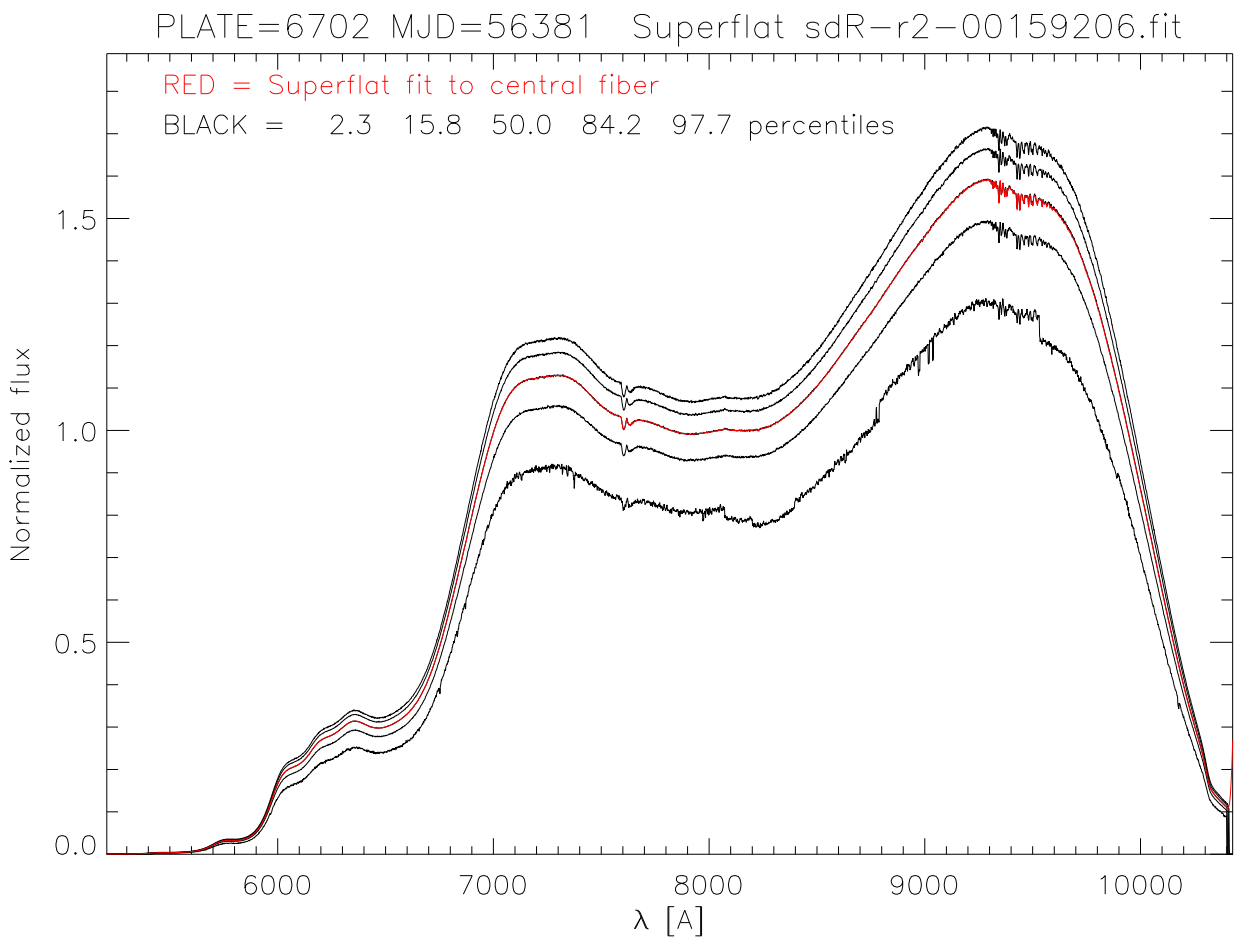

PLATE=6702 MJD=56381 sdR-r1-00159209.fit Skyline Flux at 7343,0
Flux (7343.0)/Airmass
RED = sky fiber
Dispersion = 1.63 %
Fiber number
Flux (7343.0)/Airmass
Focal Distance [mm]
Flux (7343.0)/Airmass
Airmass

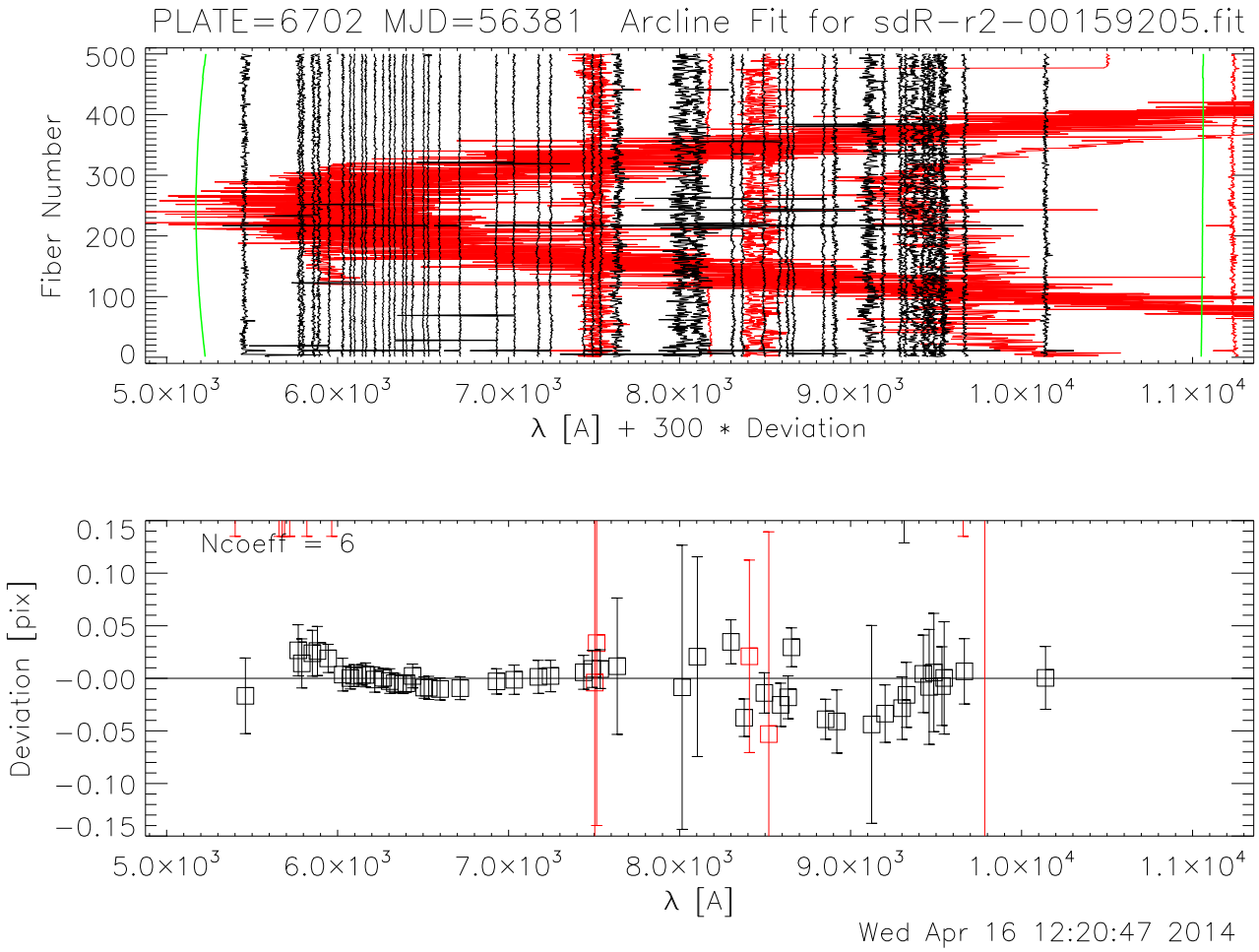

PLATE=6702 MJD=56381 sdR-r1-00159209.fit Skyline Flux at 8888.3
Flux (8888.3)/Airmass
RED = sky fiber
Dispersion = 1.30 %
Fiber number
Flux (8888.3)/Airmass
Focal Distance [mm]
Flux (8888.3)/Airmass
Airmass

PLATE=6702 MJD=56381 Traces sdR-r2-00159206.fit

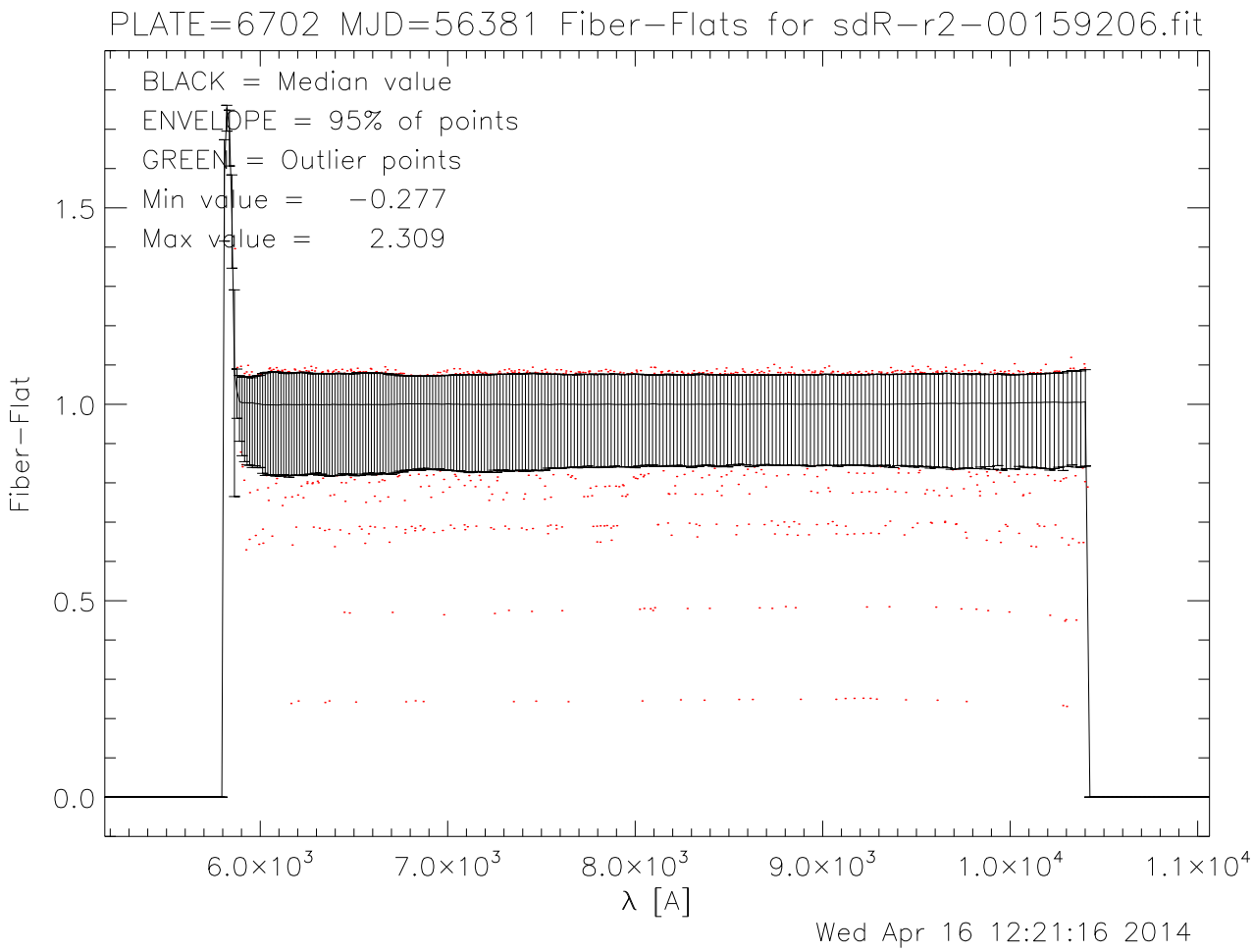


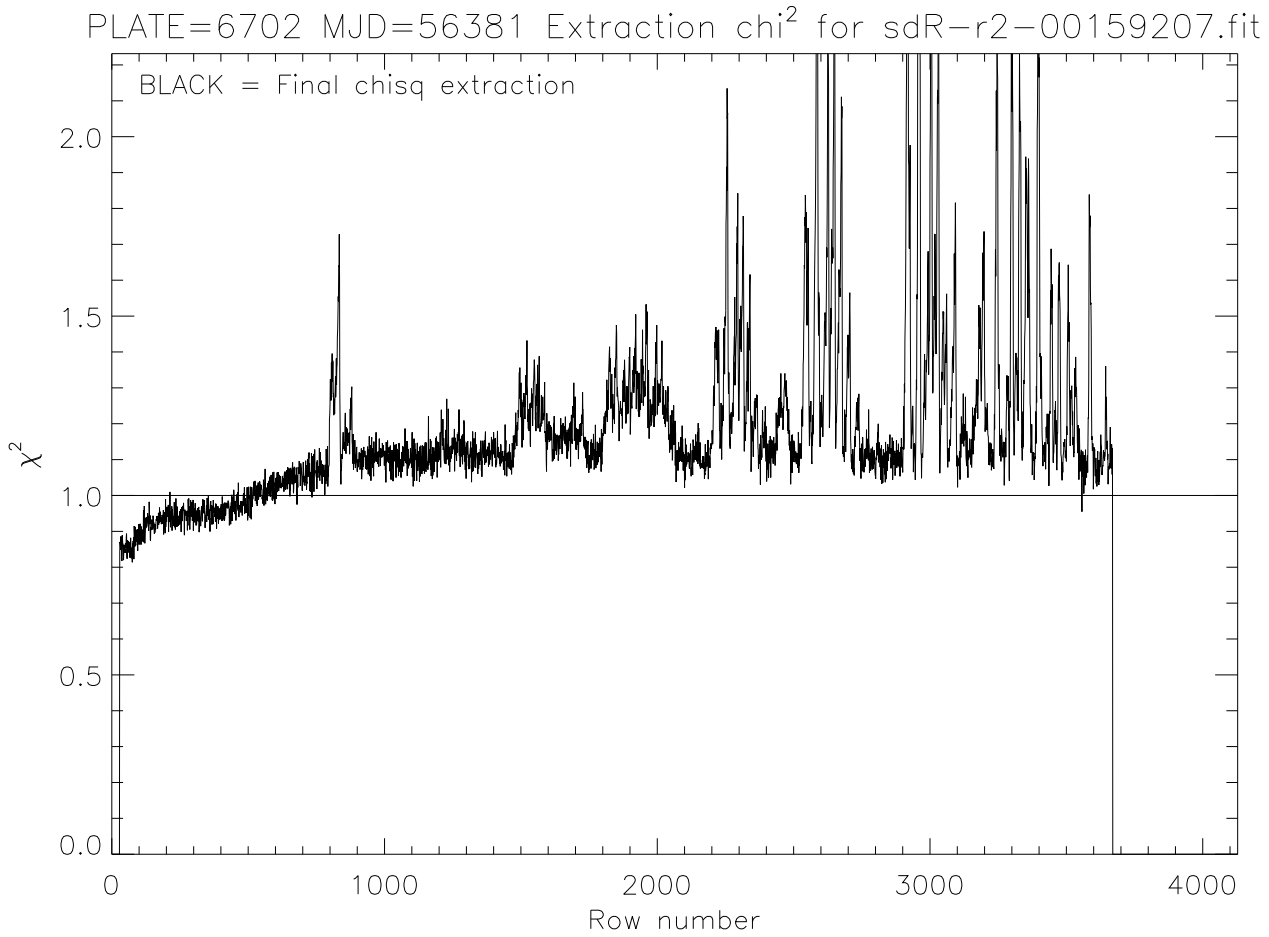

PLATE=6702 MJD=56381 flat extraction chi^2 for sdR−r2−00159206.fit
BLACK = Final chisq extraction
χ^2
Row number
0
10
20
30
40
50
0
1000
2000
3000
4000

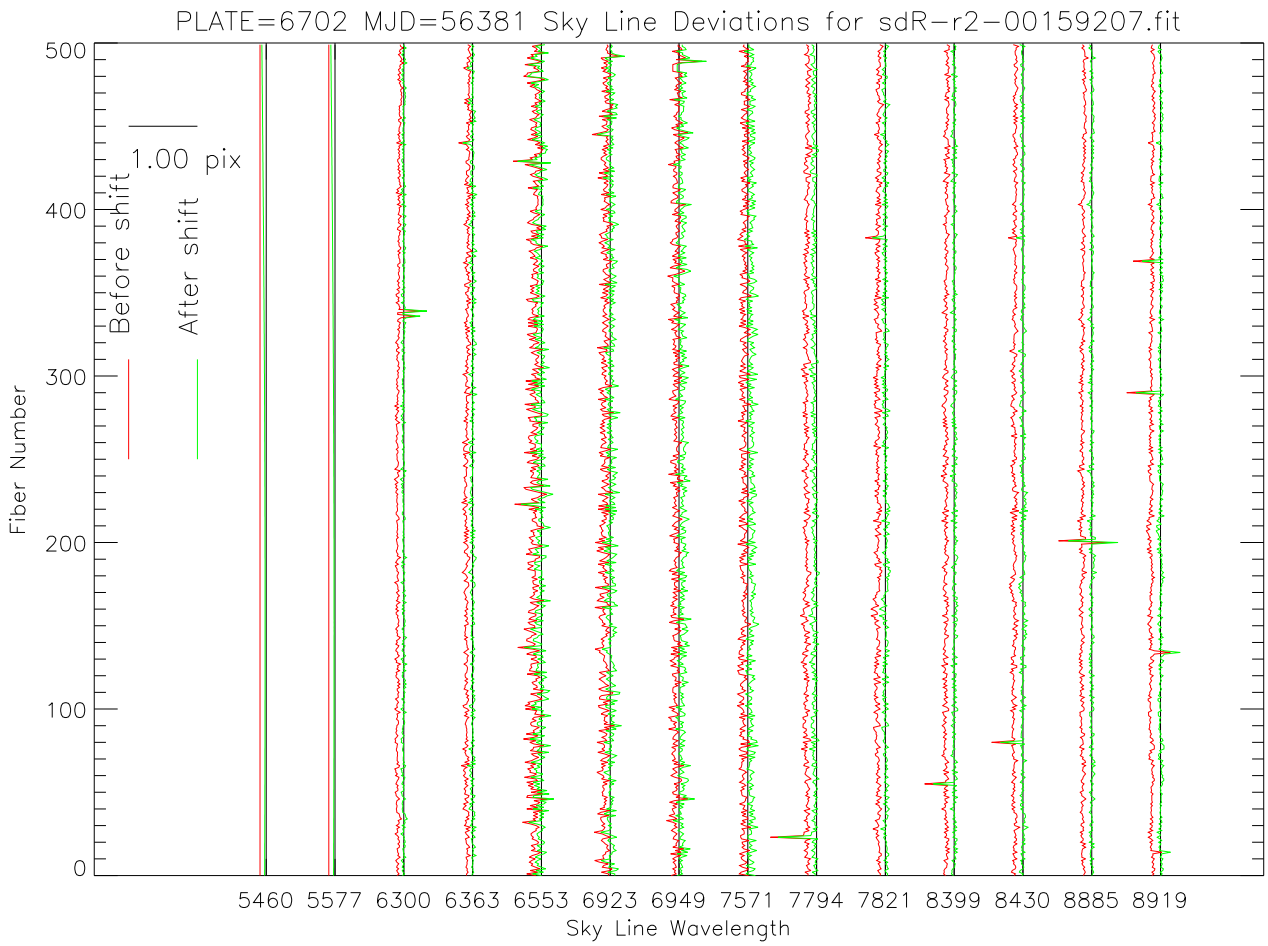

PLATE=6702 MJD=56381 Superflat sdR-r2-00159206.fit
RED = Superflat fit to central fiber
BLACK = 2.3 15.8 50.0 84.2 97.7 percentiles
Normalized flux
0.0
0.5
1.0
1.5
6000
7000
8000
9000
10000
λ [A]

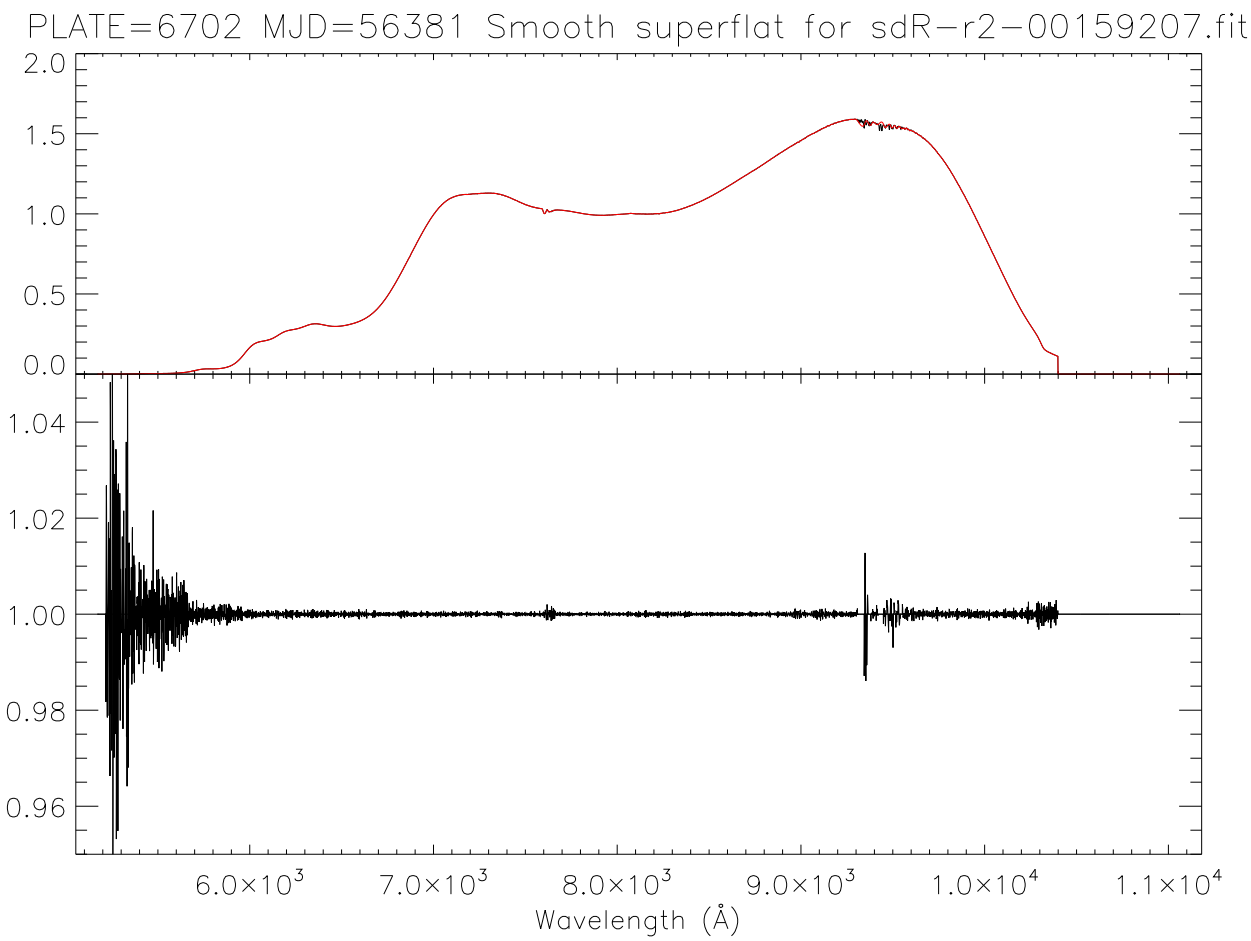

PLATE=6702 MJD=56381 Arcline Fit for sdR-r2-00159205.fit
Fiber Number
500
400
300
200
100
0
5.0×10^3
6.0×10^3
7.0×10^3
8.0×10^3
9.0×10^3
1.0×10^4
1.1×10^4
λ [A] + 300 * Deviation

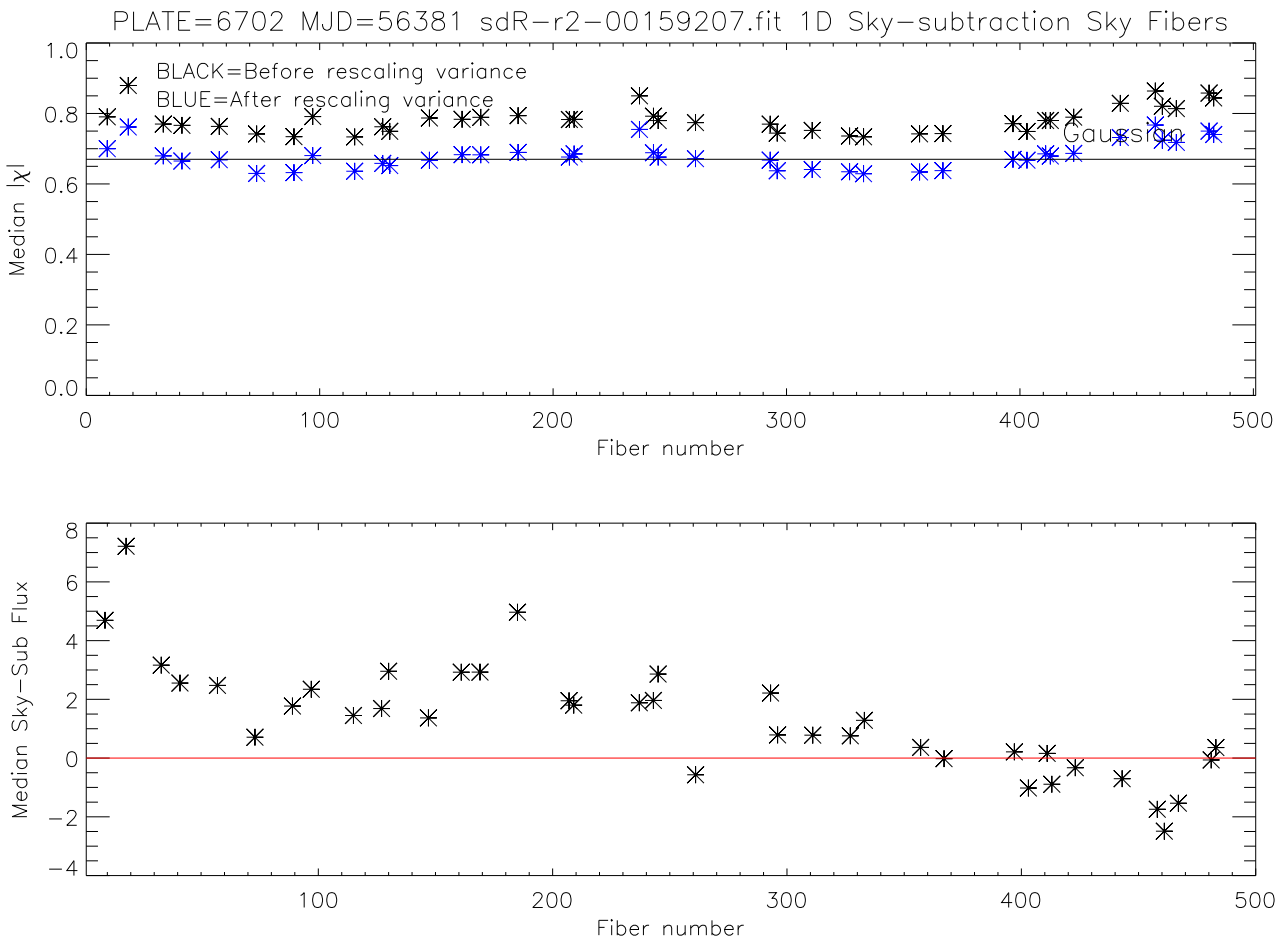
Ncoeff = 6
Deviation [pix]
0.15
0.10
0.05
−0.00
−0.05
−0.10
−0.15
5.0×10^3
6.0×10^3
7.0×10^3
8.0×10^3
9.0×10^3
1.0×10^4
1.1×10^4
λ [A]
Wed Apr 16 12:20:47 2014

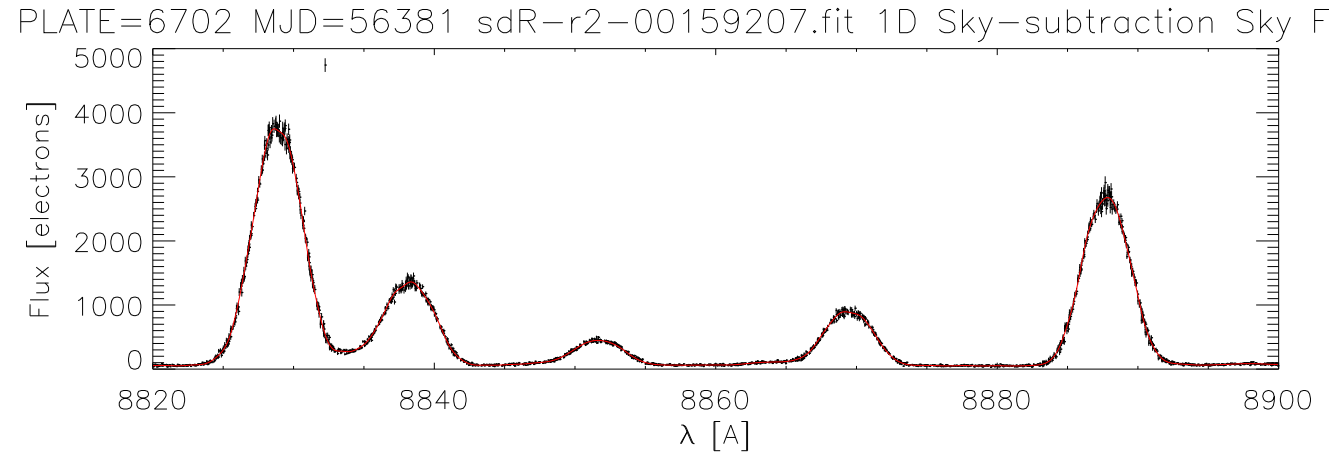

PLATE=6702 MJD=56381 Fiber−Flats for sdR−r2−00159206.fit
BLACK = Median value
ENVELOPE = 95% of points
GREEN = Outlier points
Min value = −0.277
Max value = 2.309
Fiber−Flat
1.5
1.0
0.5
0.0
6.0×10^3
7.0×10^3
8.0×10^3
9.0×10^3
1.0×10^4
1.1×10^4
λ [A]
Wed Apr 16 12:21:16 2014

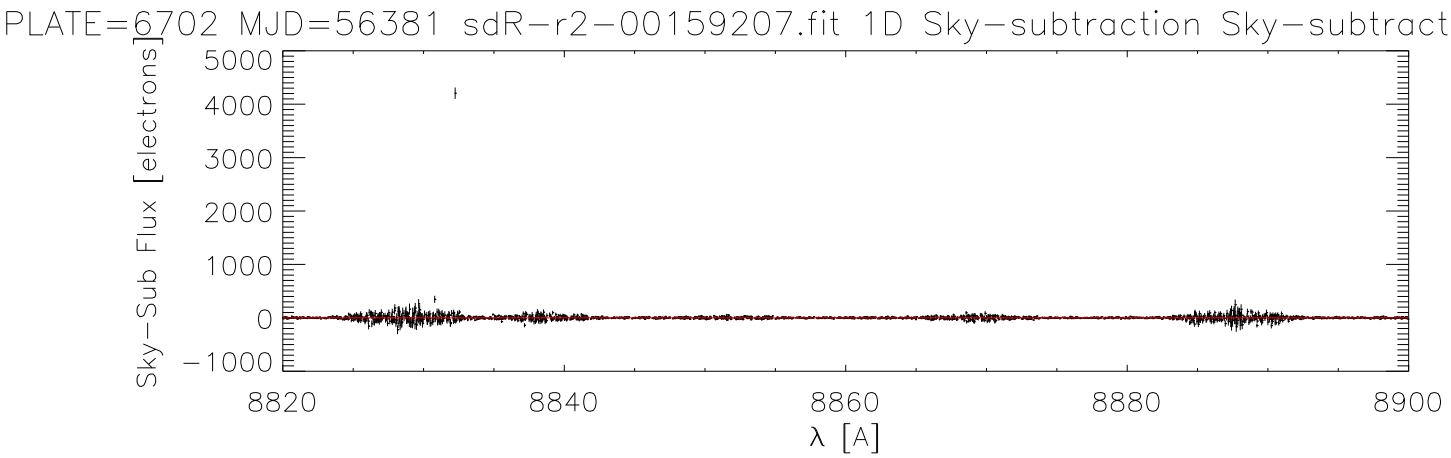

PLATE=6702 MJD=56381 Extraction chi^2 for sdR−r2−00159207.fit
BLACK = Final chisq extraction
χ^2
2.0
1.5
1.0
0.5
0.0
0
1000
2000
3000
4000
Row number


PLATE=6702 MJD=56381 Sky Line Deviations for sdR-r2-00159207.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

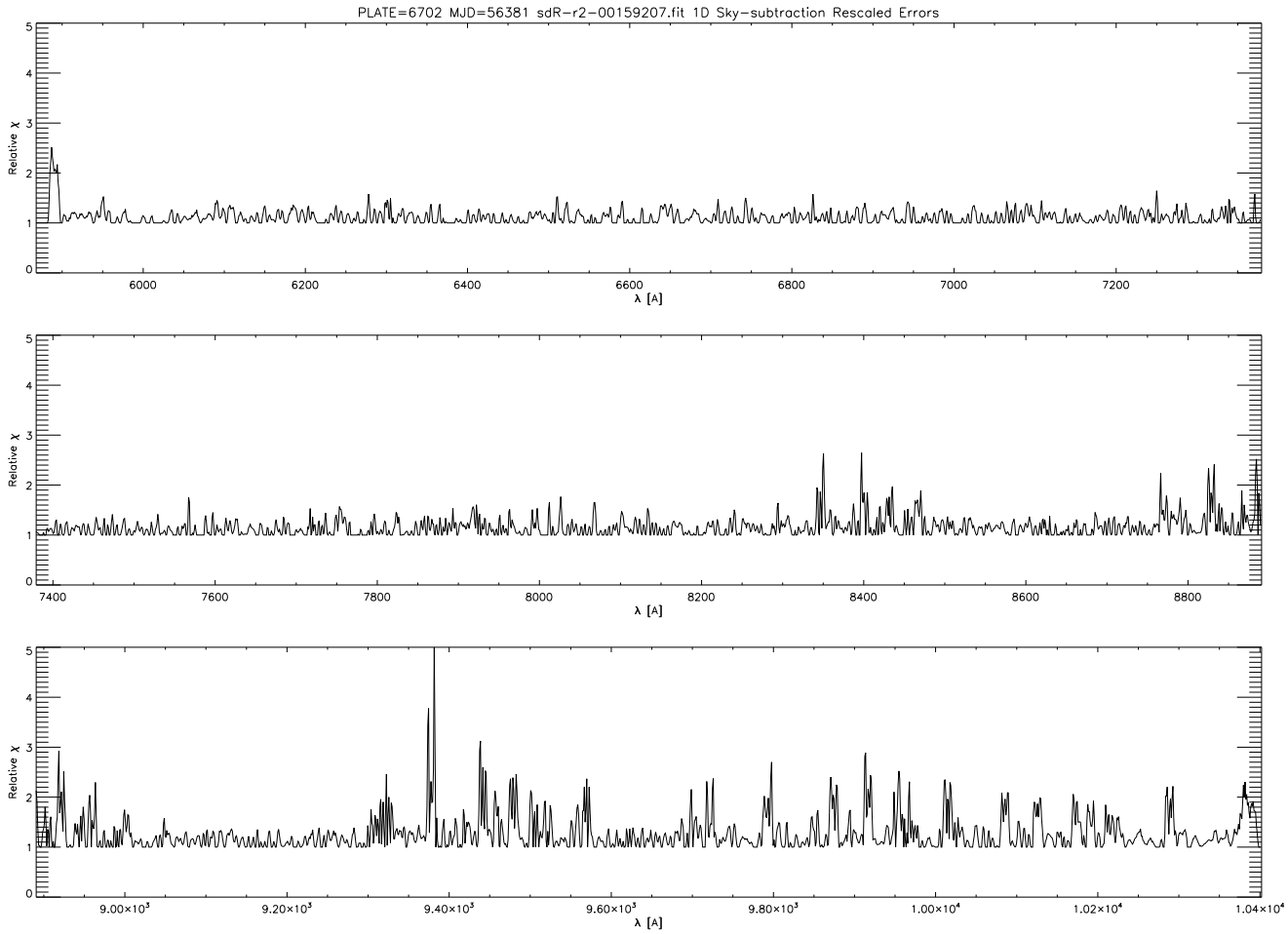

PLATE=6702 MJD=56381 Smooth superflat for sdR-r2-00159207.fit
2.0
1.5
1.0
0.5
0.0
1.04
1.02
1.00
0.98
0.96
6.0×10^3
7.0×10^3
8.0×10^3
9.0×10^3
1.0×10^4
1.1×10^4
Wavelength (Å)

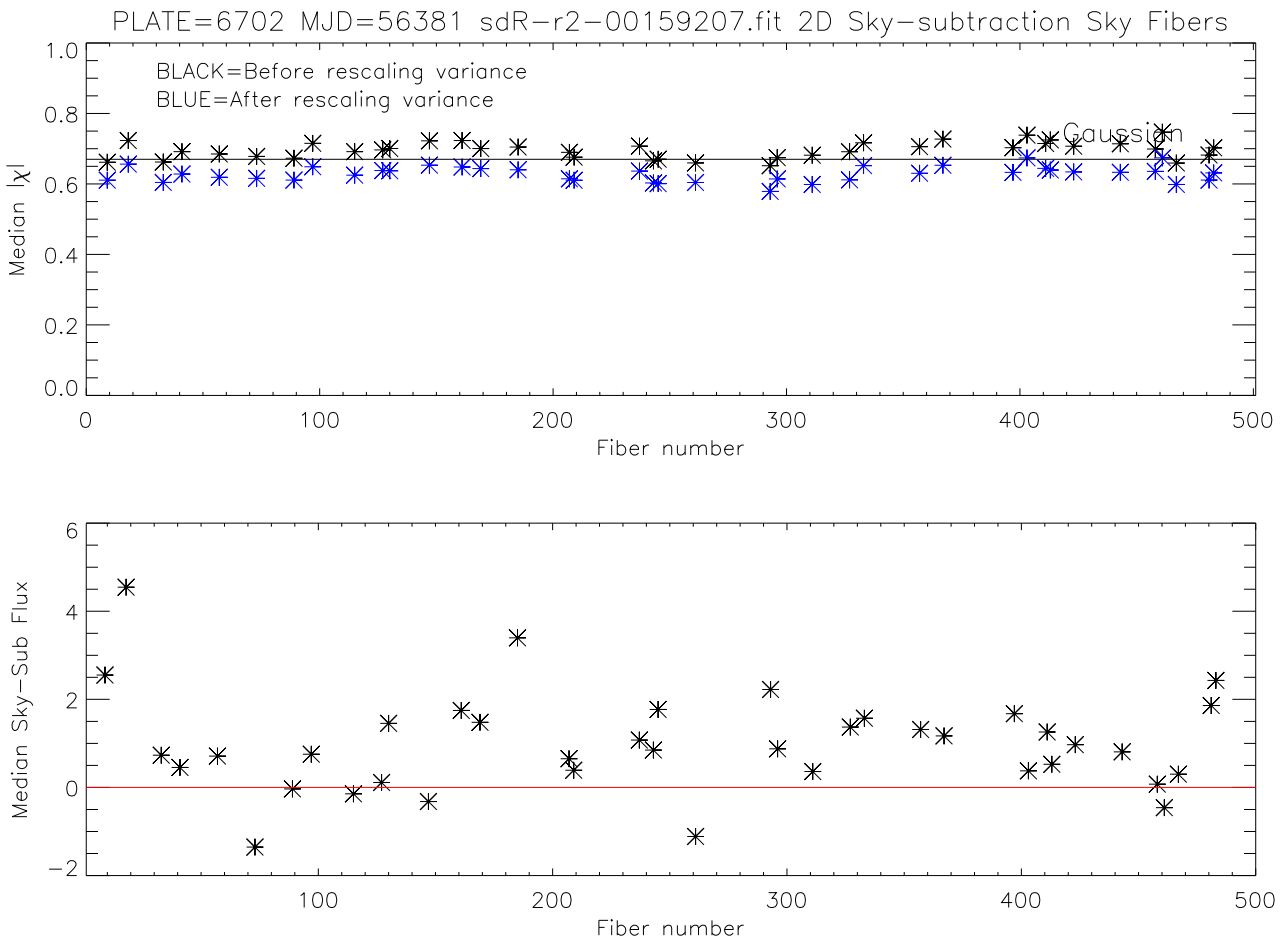

PLATE=6702 MJD=56381 sdR-r2-00159207.fit 1D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

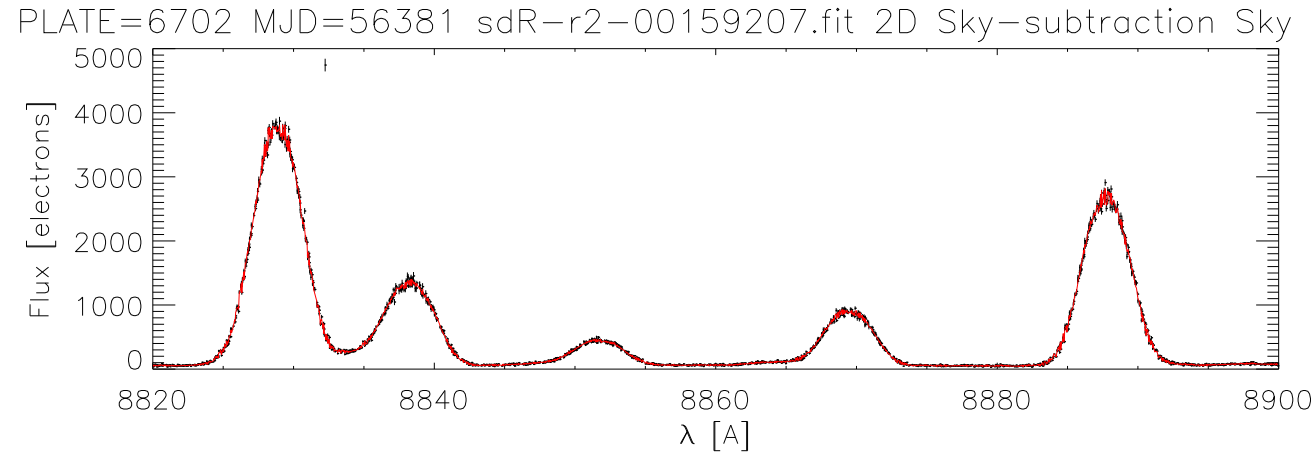

PLATE=6702 MJD=56381 sdR-r2-00159207.fit 1D Sky-subtraction Sky Fibers
Flux [electrons]
5000
4000
3000
2000
1000
0
8820
8840
8860
8880
8900
λ [A]

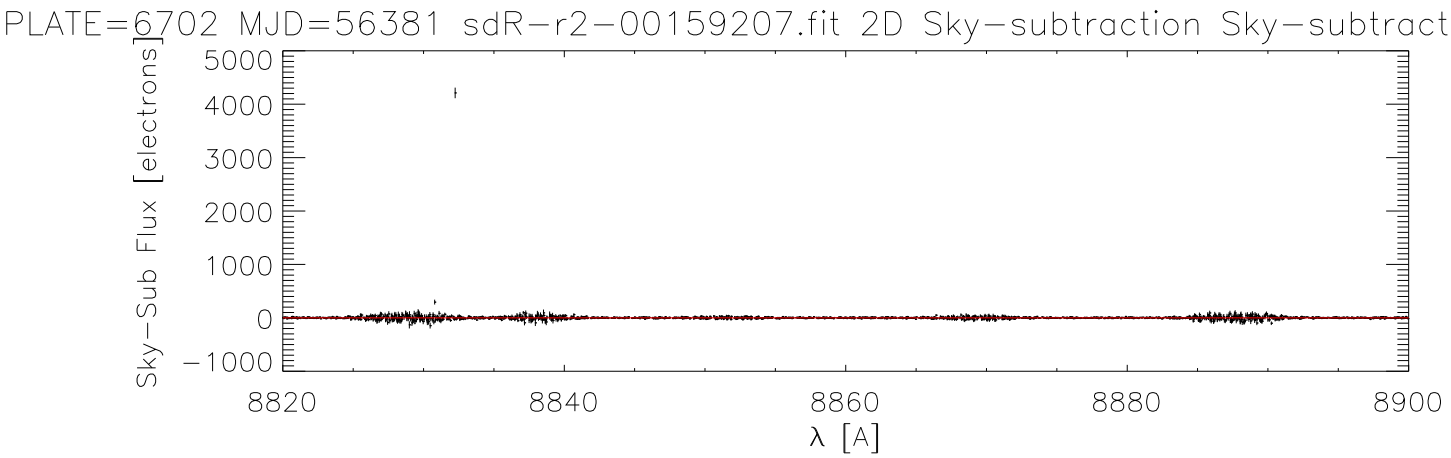

PLATE=6702 MJD=56381 sdR-r2-00159207.fit 1D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
5000
4000
3000
2000
1000
0
-1000
8820
8840
8860
8880
8900
λ [A]

Number of sky fibers = 39

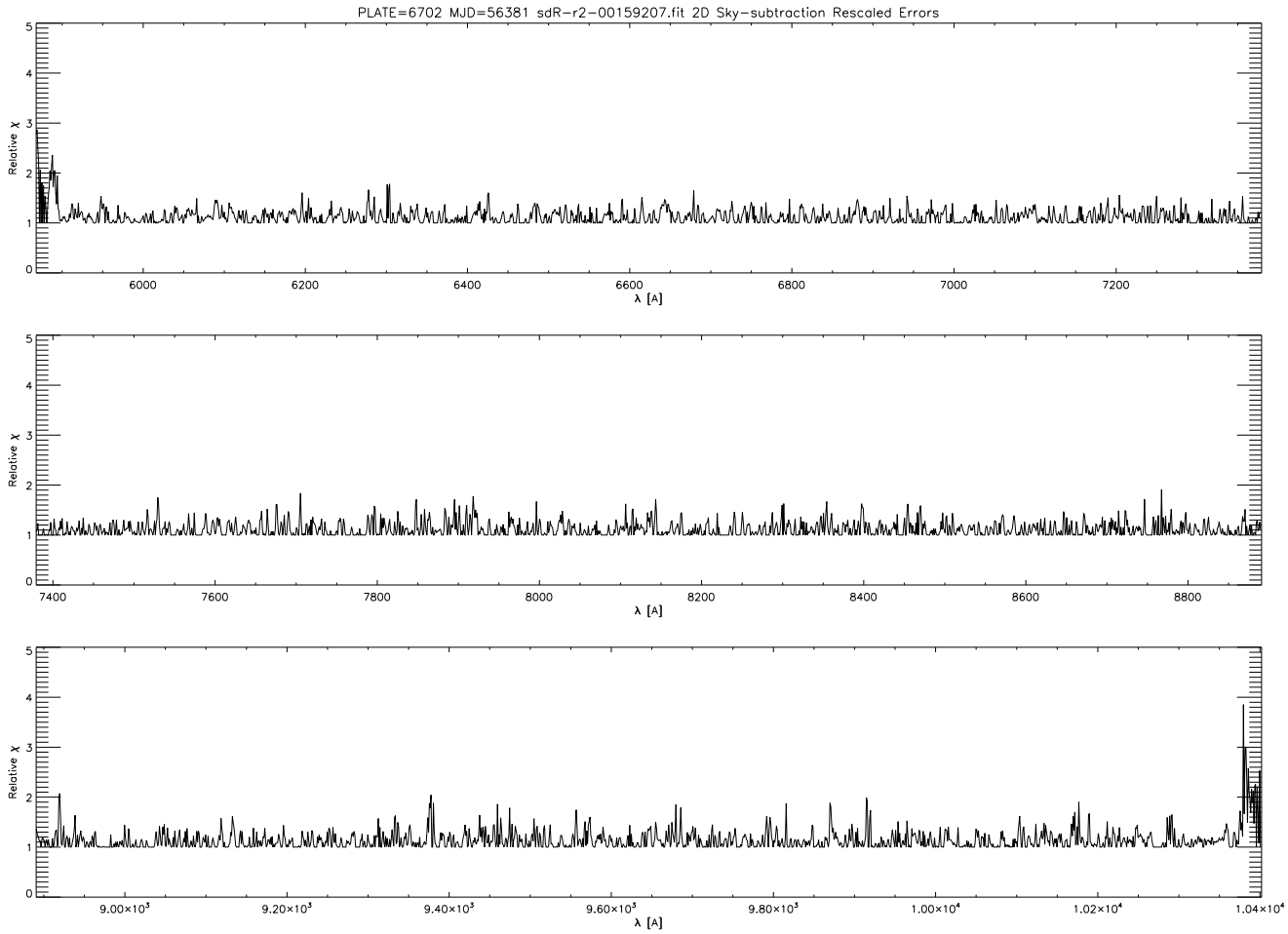


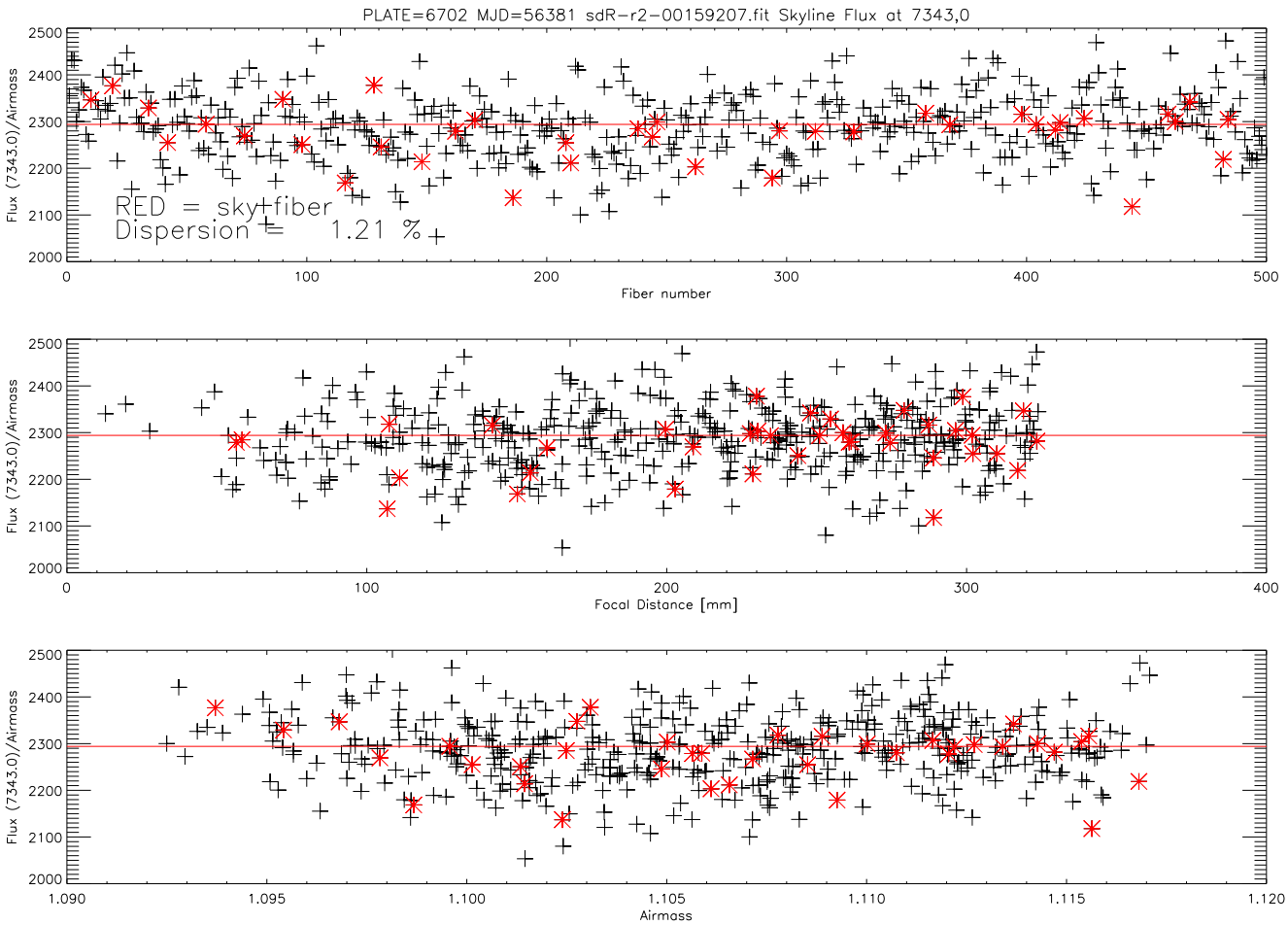

PLATE=6702 MJD=56381 sdR-r2-00159207.fit 2D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

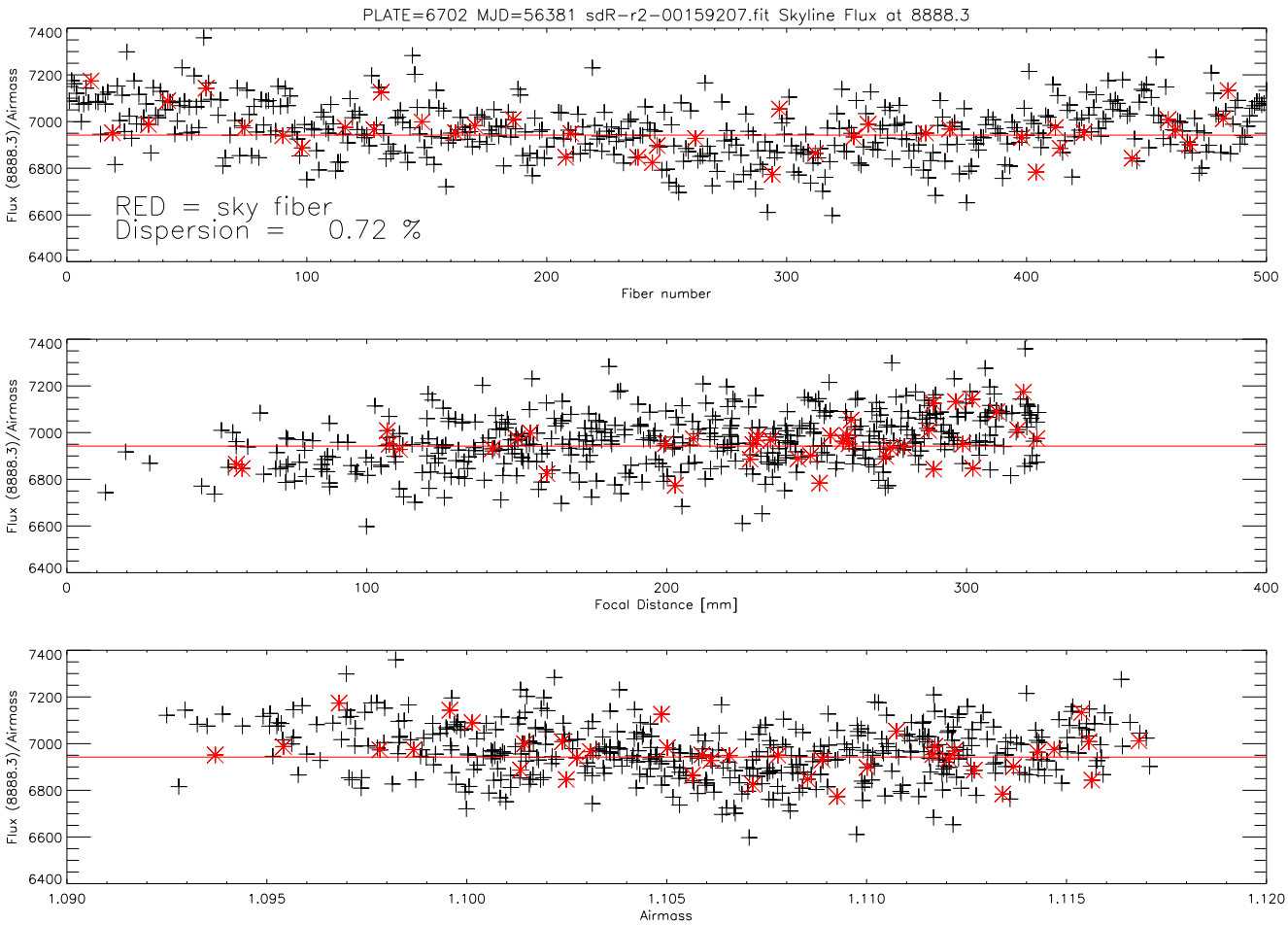

PLATE=6702 MJD=56381 sdR-r2-00159207.fit 2D Sky-subtraction Sky Fibers
Flux [electrons]
5000
4000
3000
2000
1000
0
8820
8840
8860
8880
8900
λ [A]

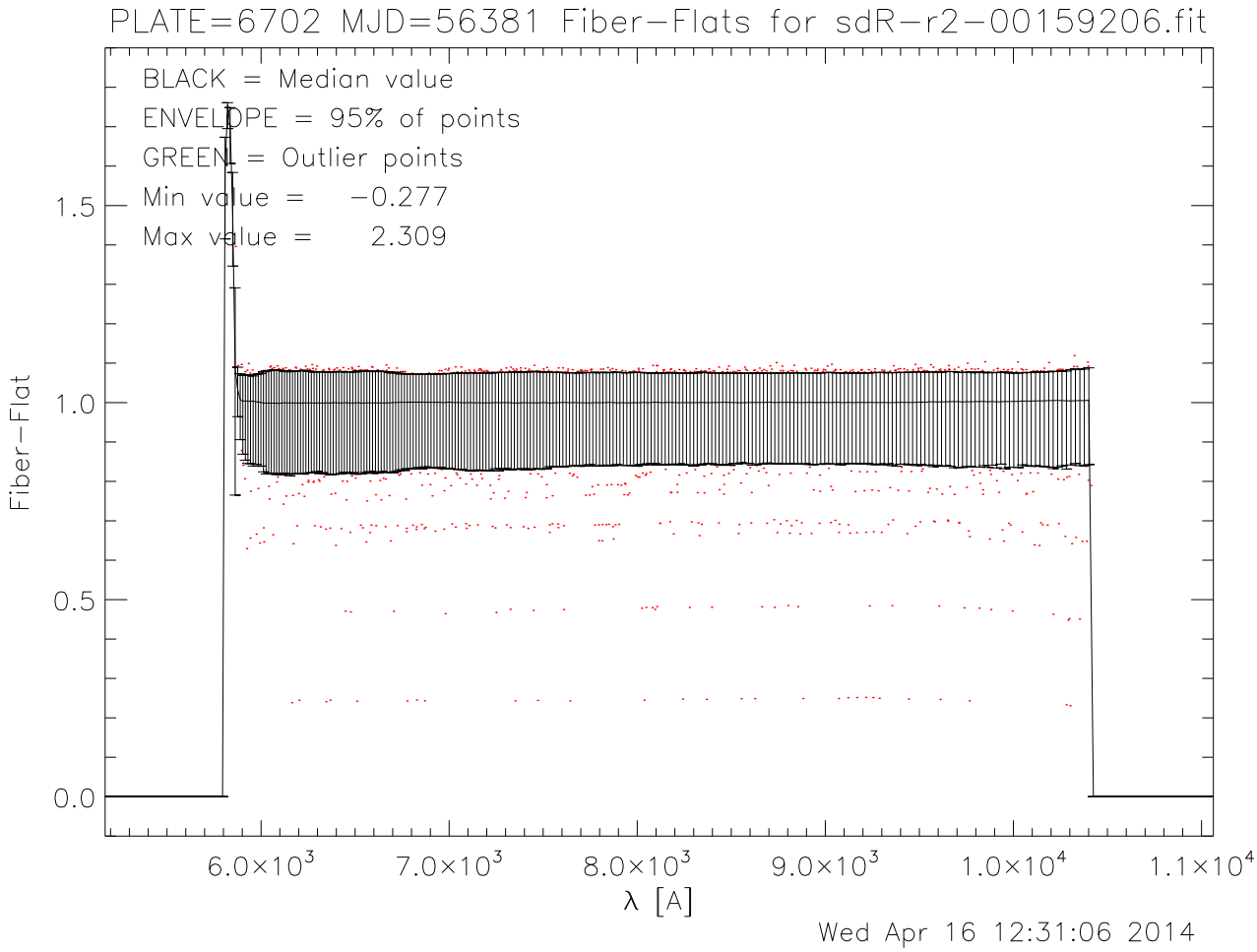

PLATE=6702 MJD=56381 sdR-r2-00159207.fit 2D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
5000
4000
3000
2000
1000
0
-1000
8820
8840
8860
8880
8900
λ [A]

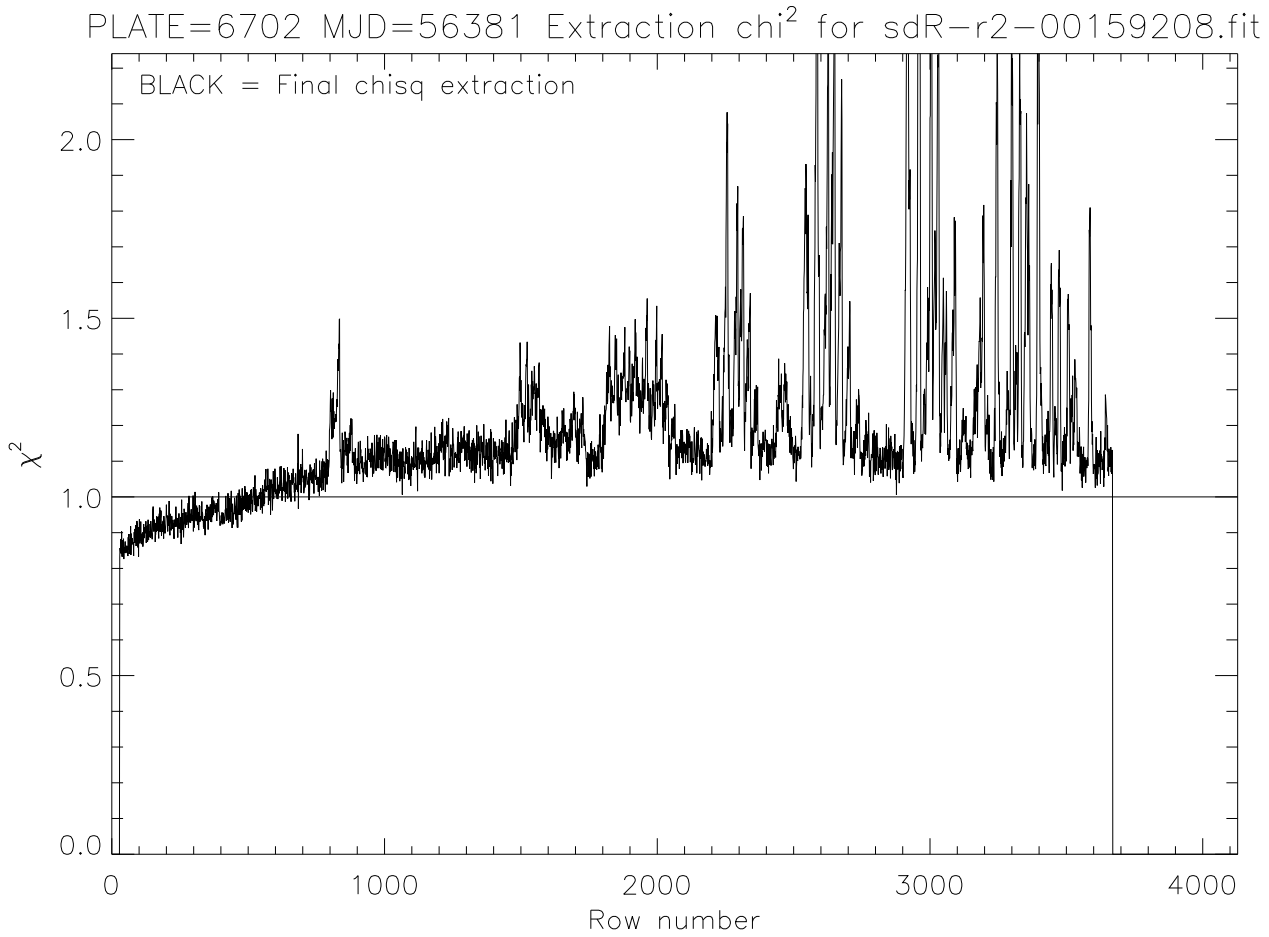
Number of sky fibers = 39

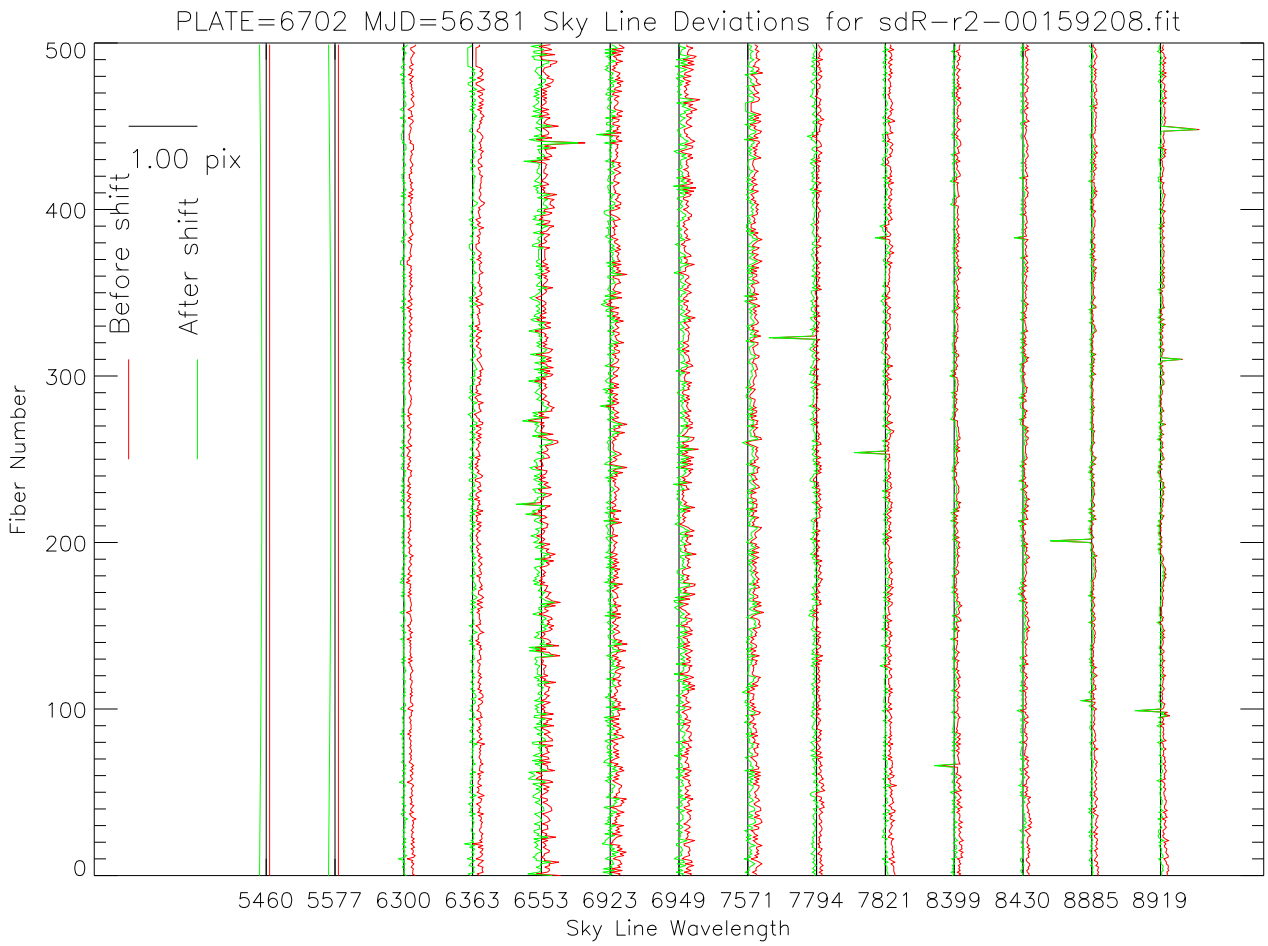


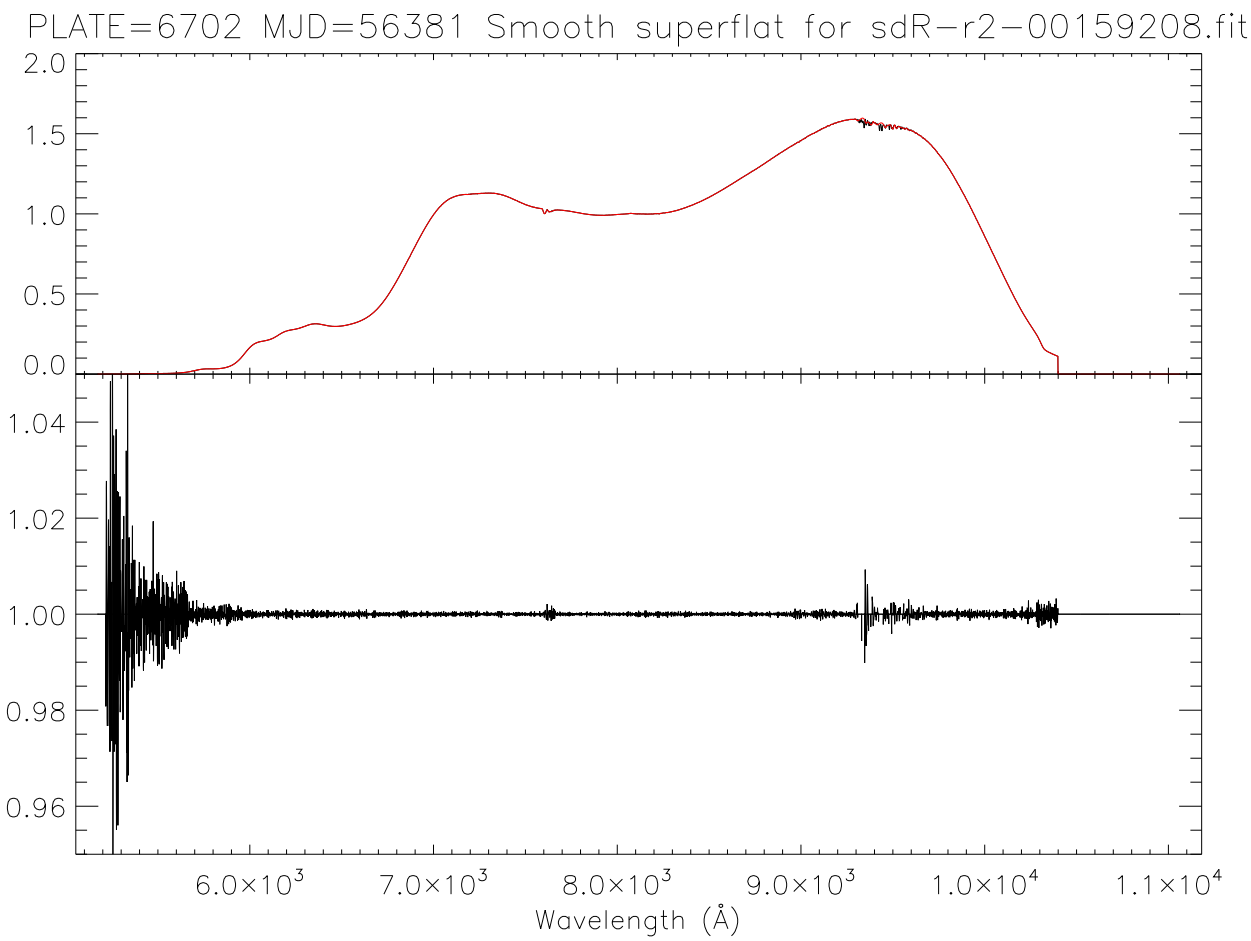

PLATE=6702 MJD=56381 sdR-r2-00159207.fit Skyline Flux at 7343,0
Flux (7343.0)/Airmass
RED = sky+fiber
Dispersion = 1.21 %
Fiber number
Focal Distance [mm]
Airmass

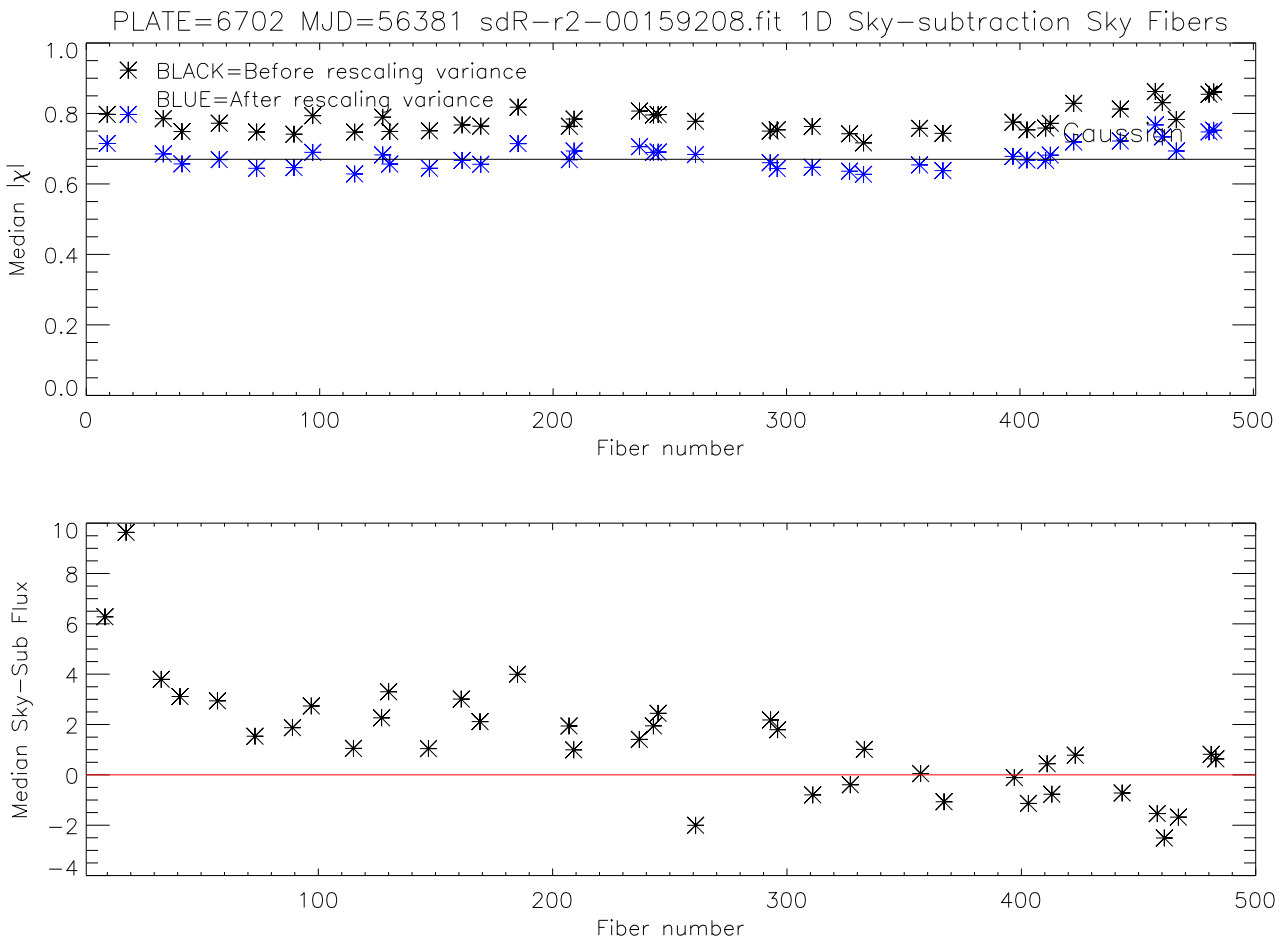

PLATE=6702 MJD=56381 sdR-r2-00159207.fit Skyline Flux at 8888.3
Flux (8888.3)/Airmass
RED = sky fiber
Dispersion = 0.72 %
Fiber number
Focal Distance [mm]
Airmass

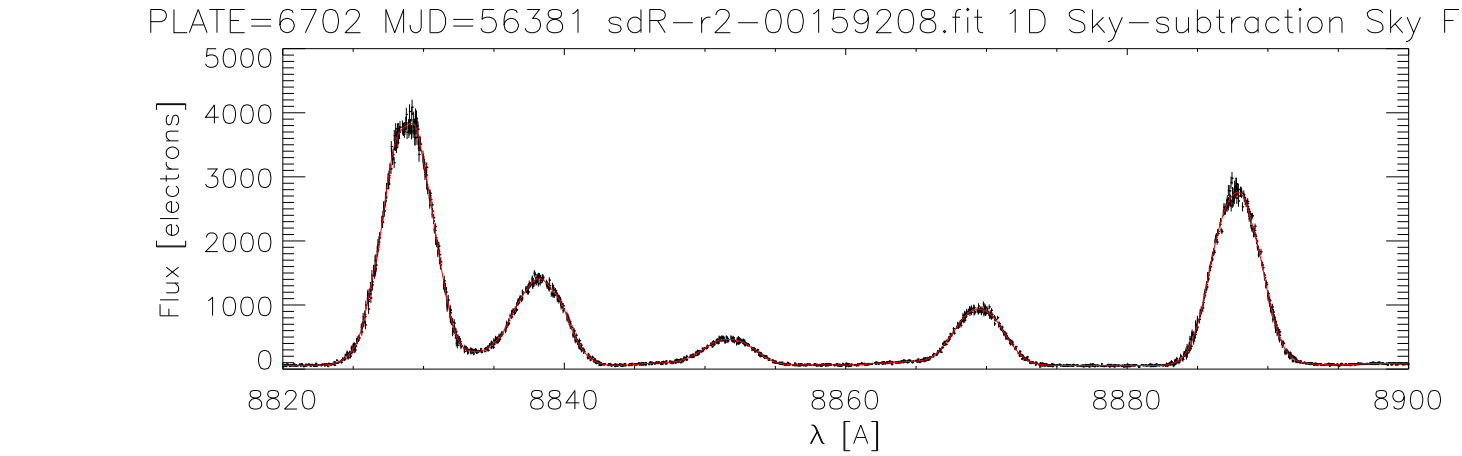

PLATE=6702 MJD=56381 Fiber−Flats for sdR−r2−00159206.fit
BLACK = Median value
ENVELOPE = 95% of points
GREEN = Outlier points
Min value = −0.277
Max value = 2.309
Fiber−Flat
1.5
1.0
0.5
0.0
6.0×10^3
7.0×10^3
8.0×10^3
9.0×10^3
1.0×10^4
1.1×10^4
λ [A]
Wed Apr 16 12:31:06 2014

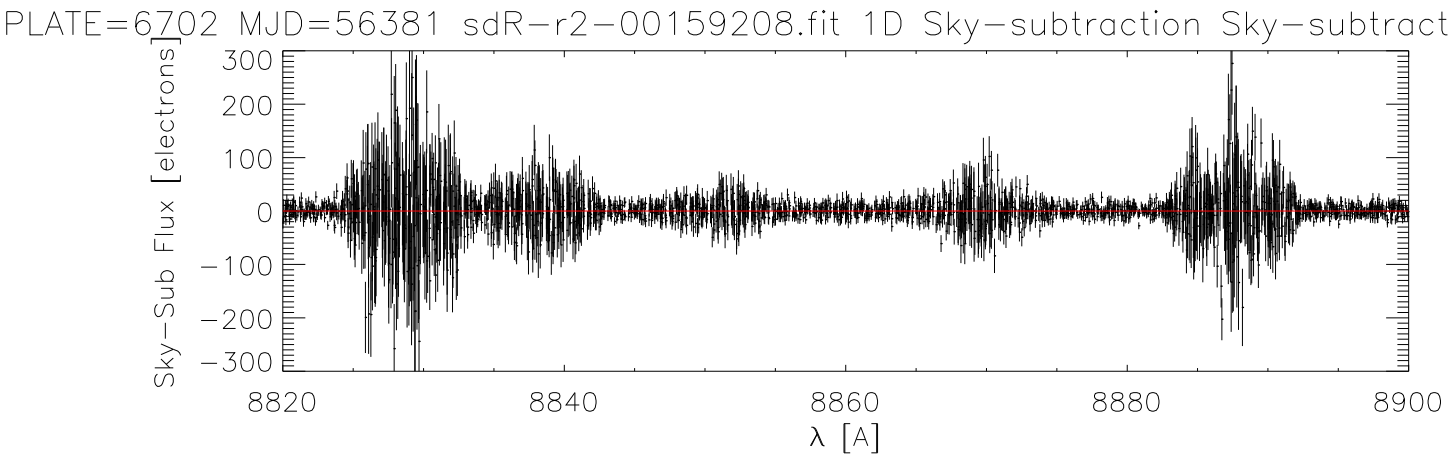

PLATE=6702 MJD=56381 Extraction chi^2 for sdR−r2−00159208.fit
BLACK = Final chisq extraction
χ^2
2.0
1.5
1.0
0.5
0.0
0
1000
2000
3000
4000
Row number


PLATE=6702 MJD=56381 Sky Line Deviations for sdR-r2-00159208.fit
Fiber Number
500
400
300
200
100
0
Before shift
After shift
1.00 pix
5460 5577 6300 6363 6553 6923 6949 7571 7794 7821 8399 8430 8885 8919
Sky Line Wavelength

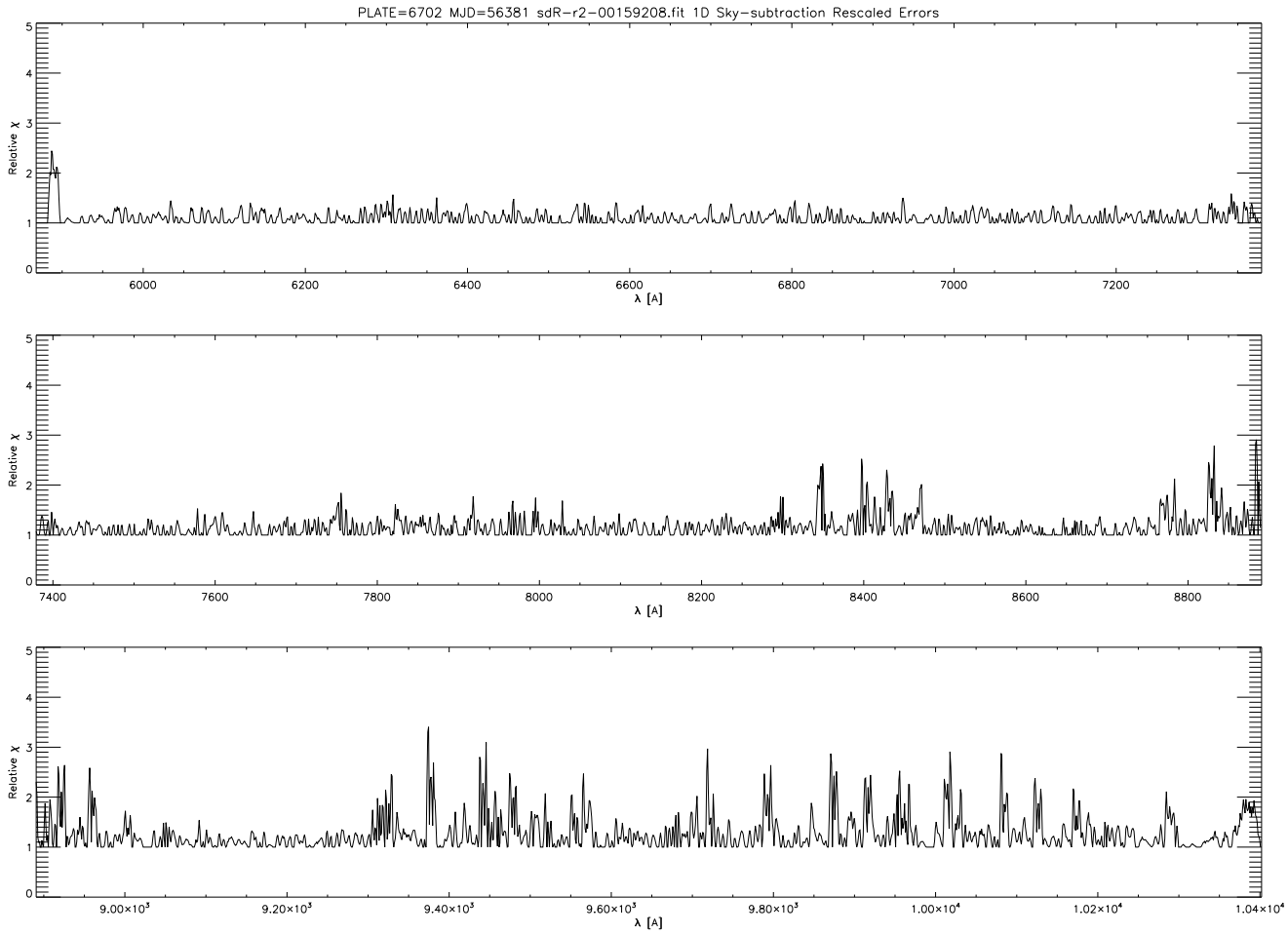

PLATE=6702 MJD=56381 Smooth superflat for sdR-r2-00159208.fit
2.0
1.5
1.0
0.5
0.0
1.04
1.02
1.00
0.98
0.96
6.0×10^3
7.0×10^3
8.0×10^3
9.0×10^3
1.0×10^4
1.1×10^4
Wavelength (Å)

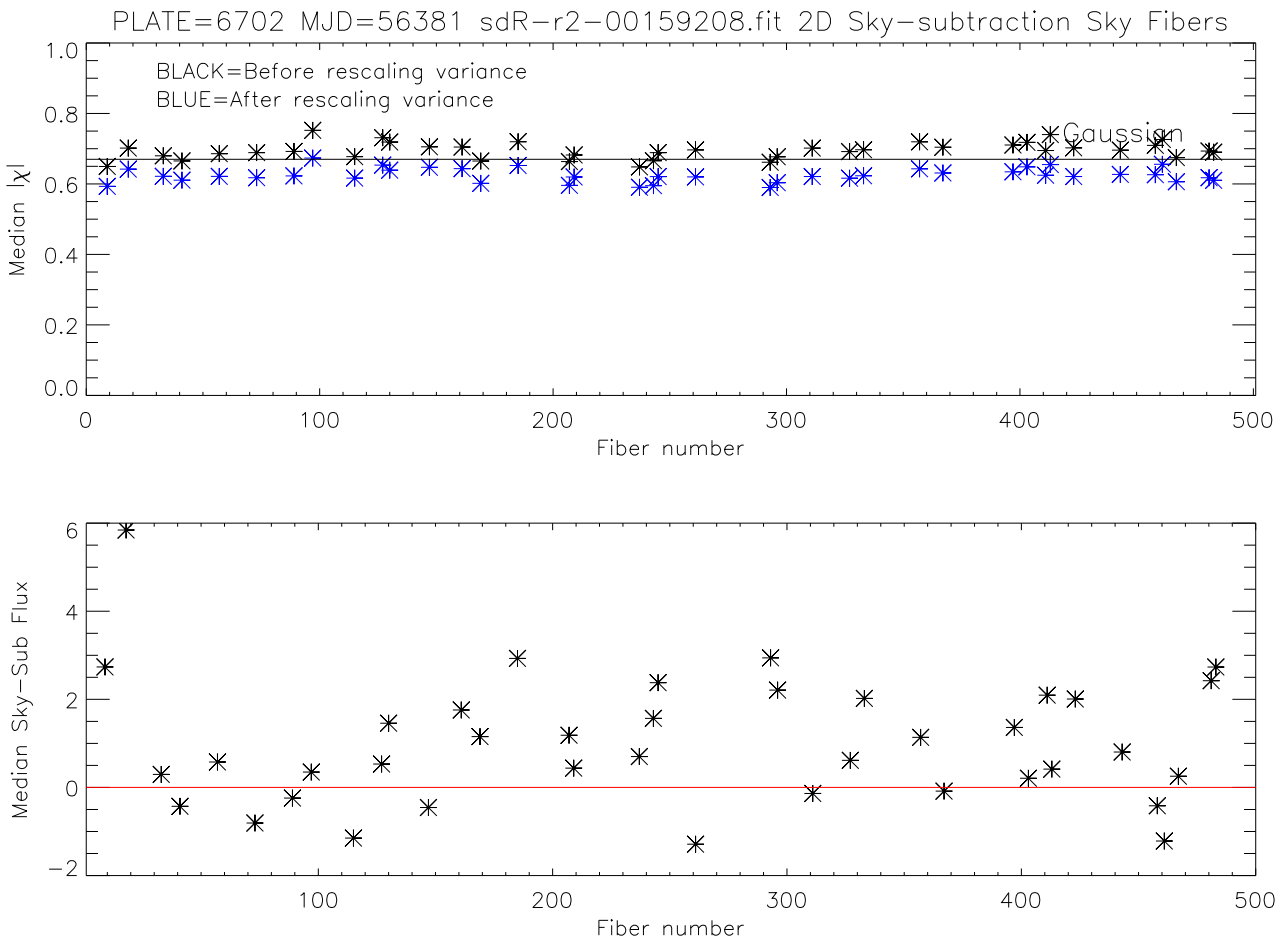

PLATE=6702 MJD=56381 sdR-r2-00159208.fit 1D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

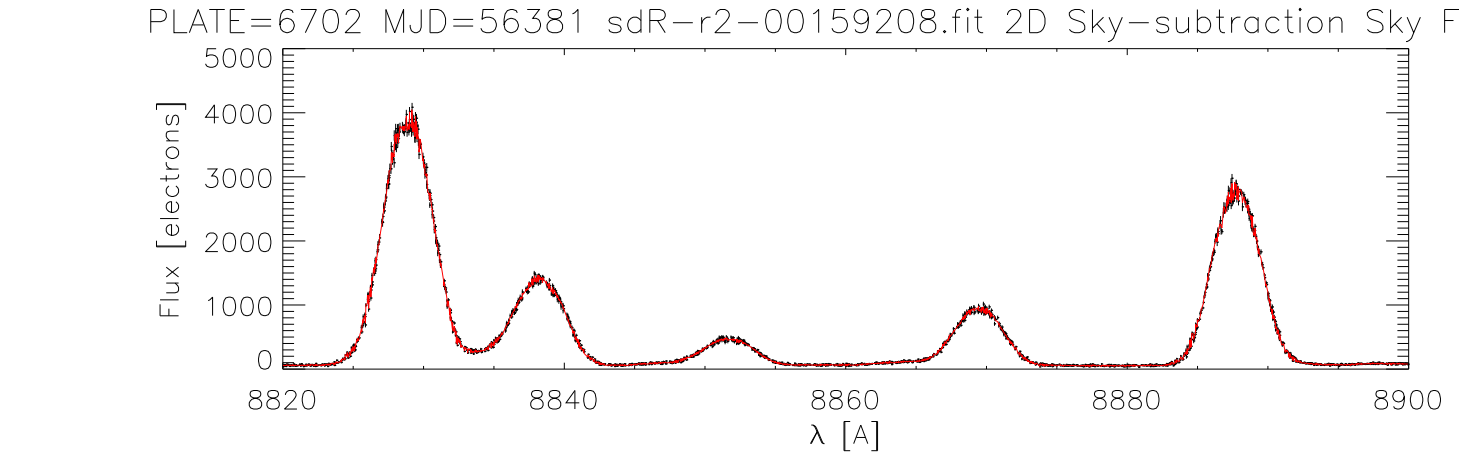

PLATE=6702 MJD=56381 sdR-r2-00159208.fit 1D Sky-subtraction Sky Fibers
Flux [electrons]
5000
4000
3000
2000
1000
0
8820
8840
8860
8880
8900
λ [A]

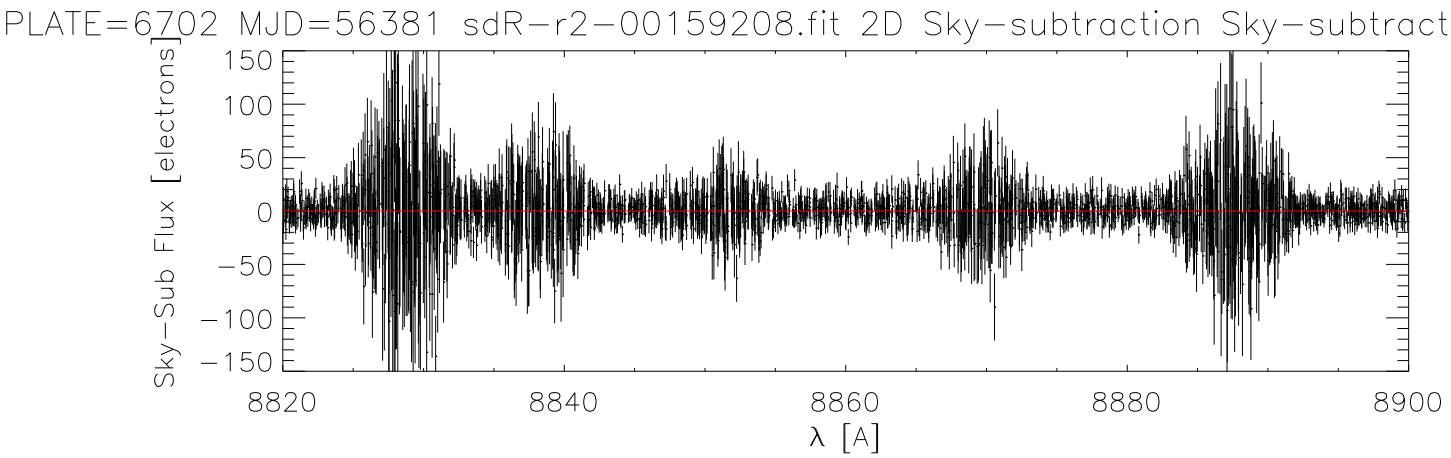

PLATE=6702 MJD=56381 sdR-r2-00159208.fit 1D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
300
200
100
0
-100
-200
-300
8820
8840
8860
8880
8900
λ [A]

Number of sky fibers = 39

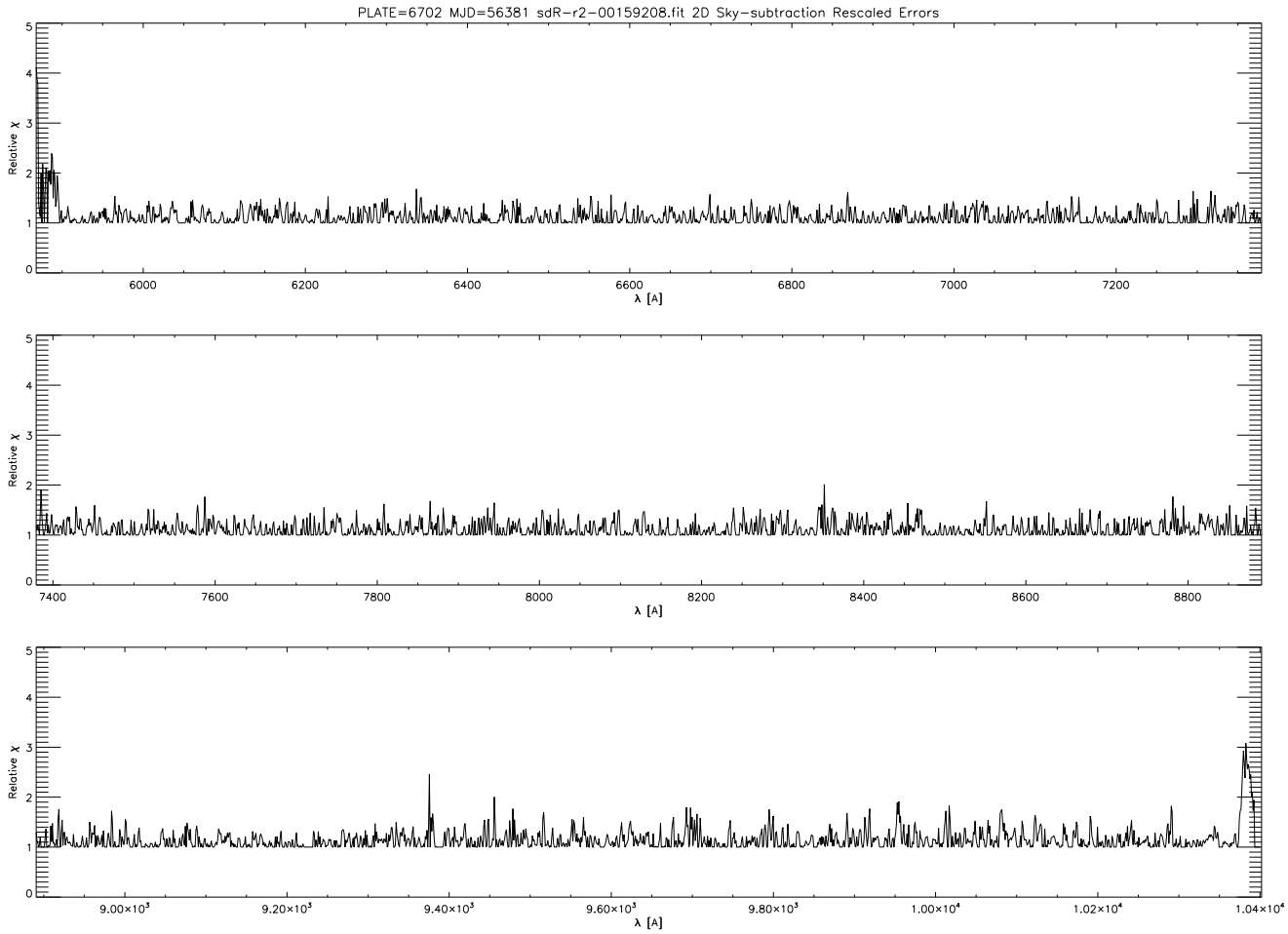


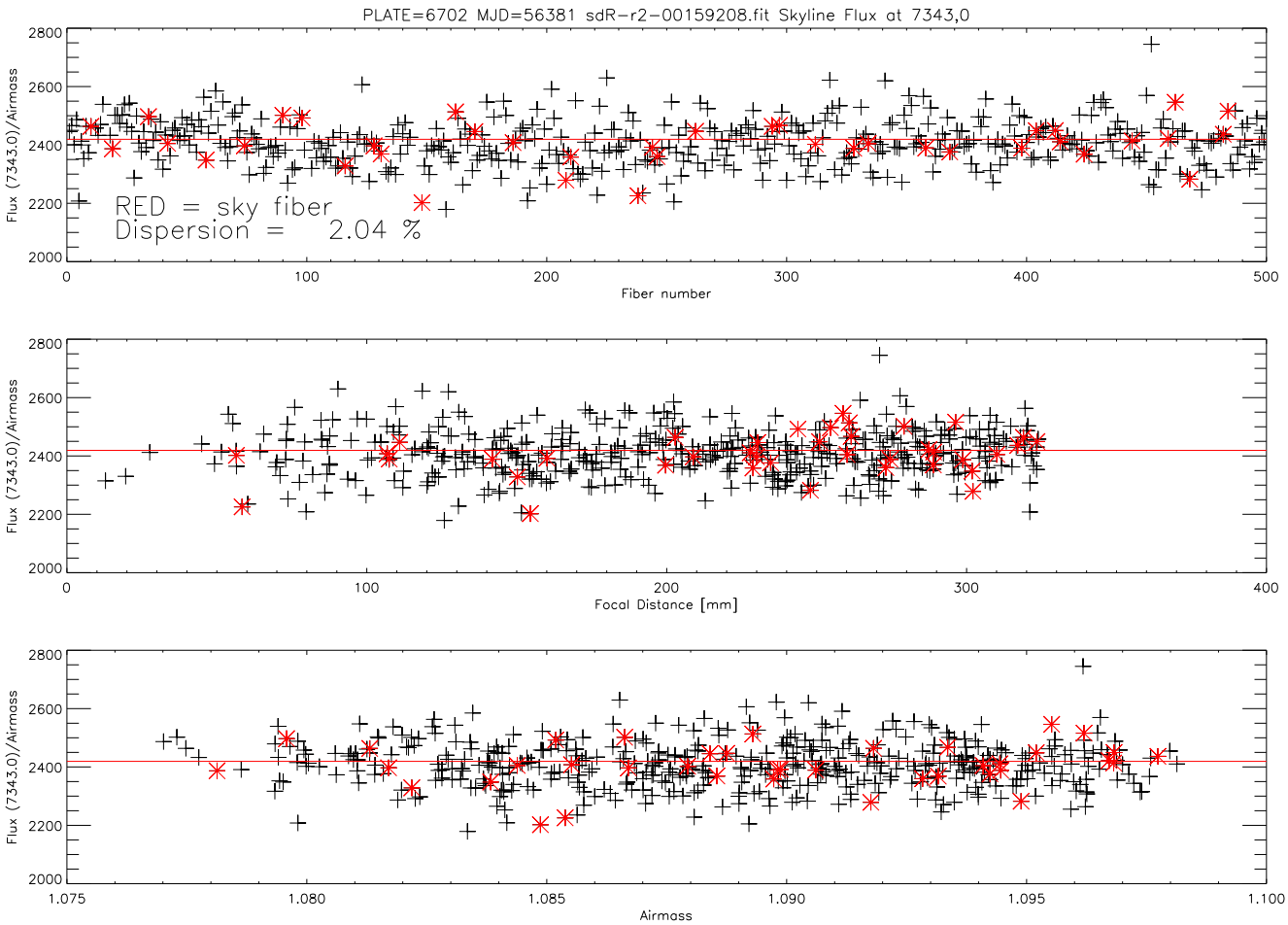

PLATE=6702 MJD=56381 sdR-r2-00159208.fit 2D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

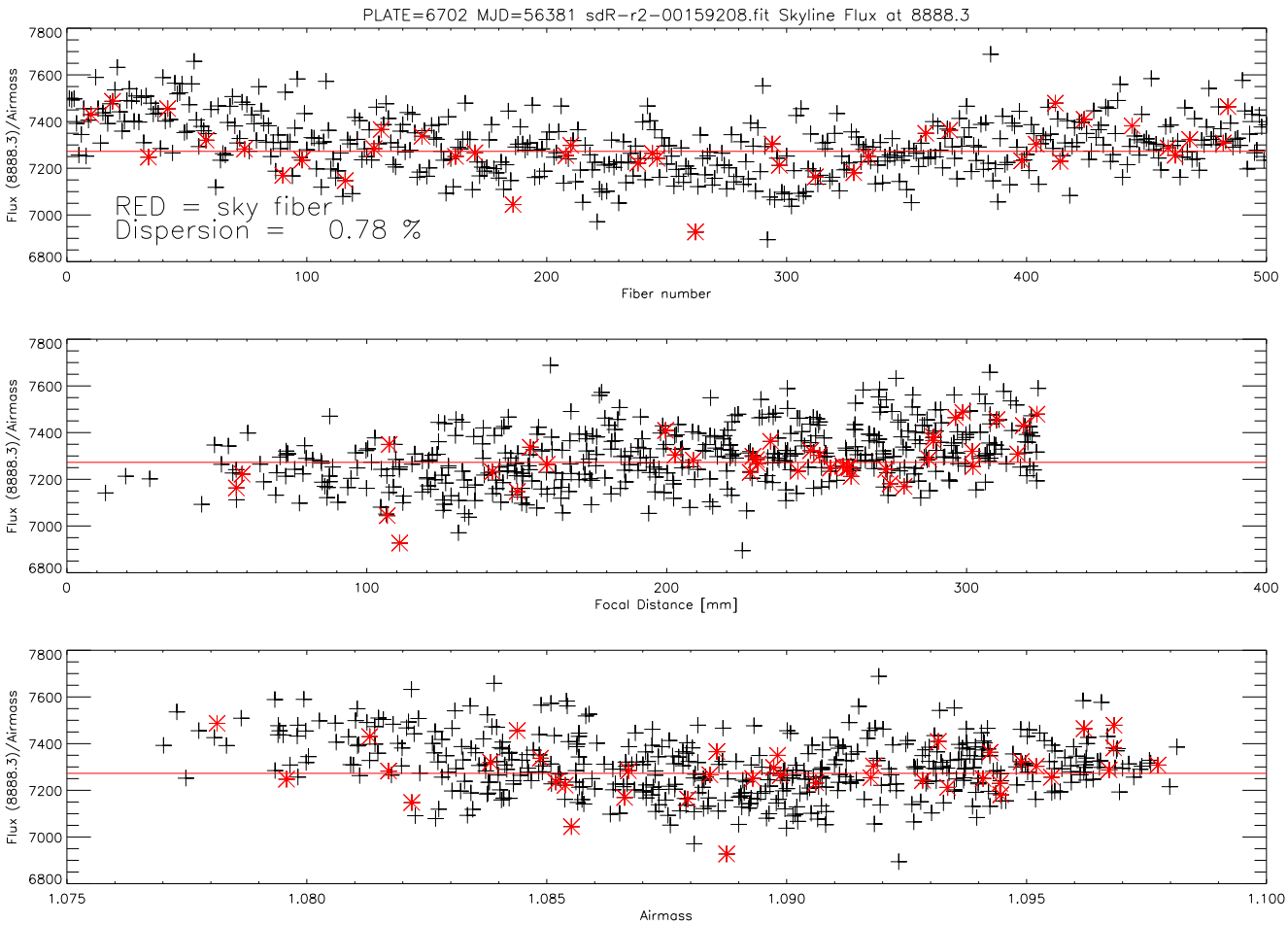

PLATE=6702 MJD=56381 sdR-r2-00159208.fit 2D Sky-subtraction Sky Fibers
Flux [electrons]
5000
4000
3000
2000
1000
0
8820
8840
8860
8880
8900
λ [A]

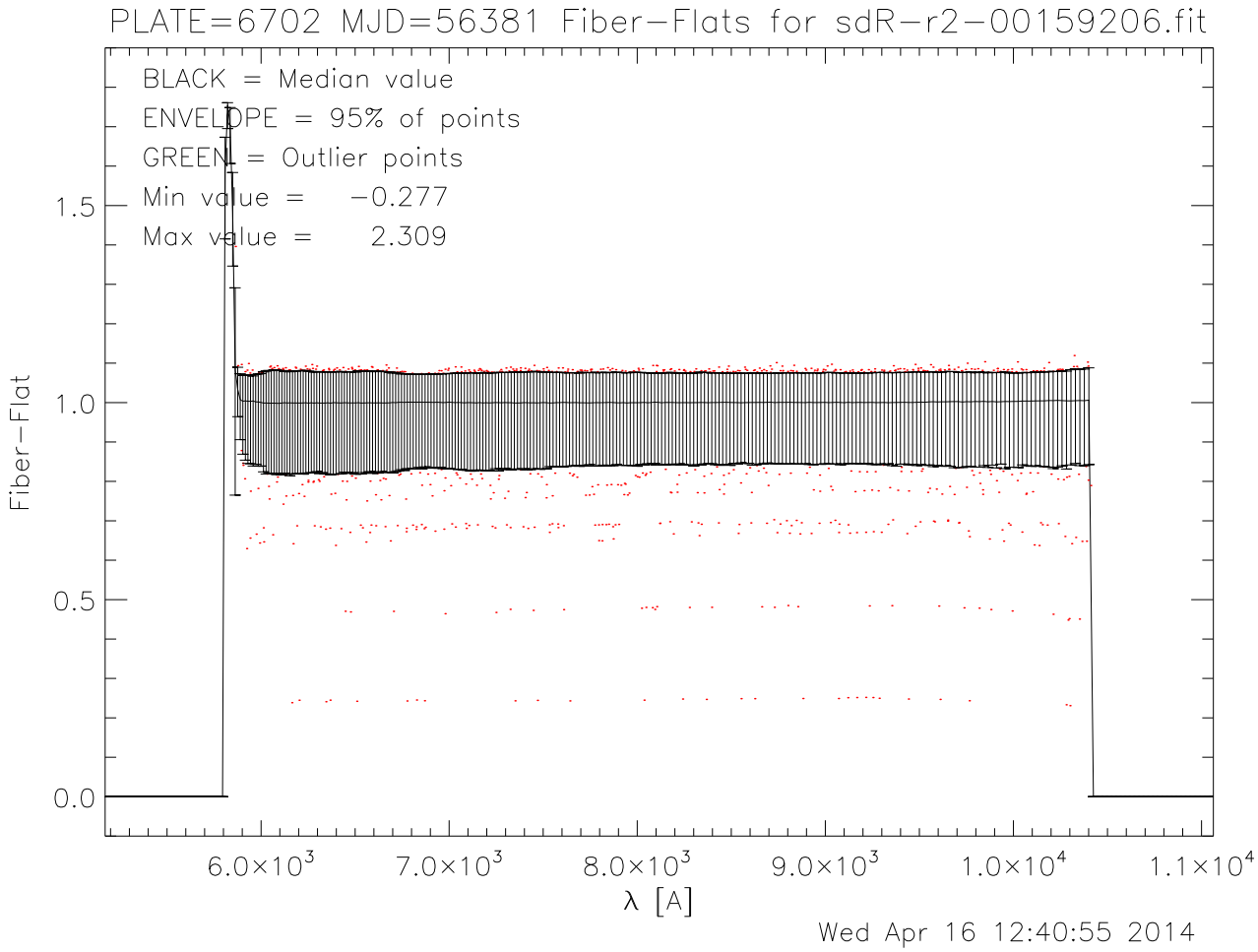

PLATE=6702 MJD=56381 sdR-r2-00159208.fit 2D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
150
100
50
0
-50
-100
-150
8820
8840
8860
8880
8900
λ [A]

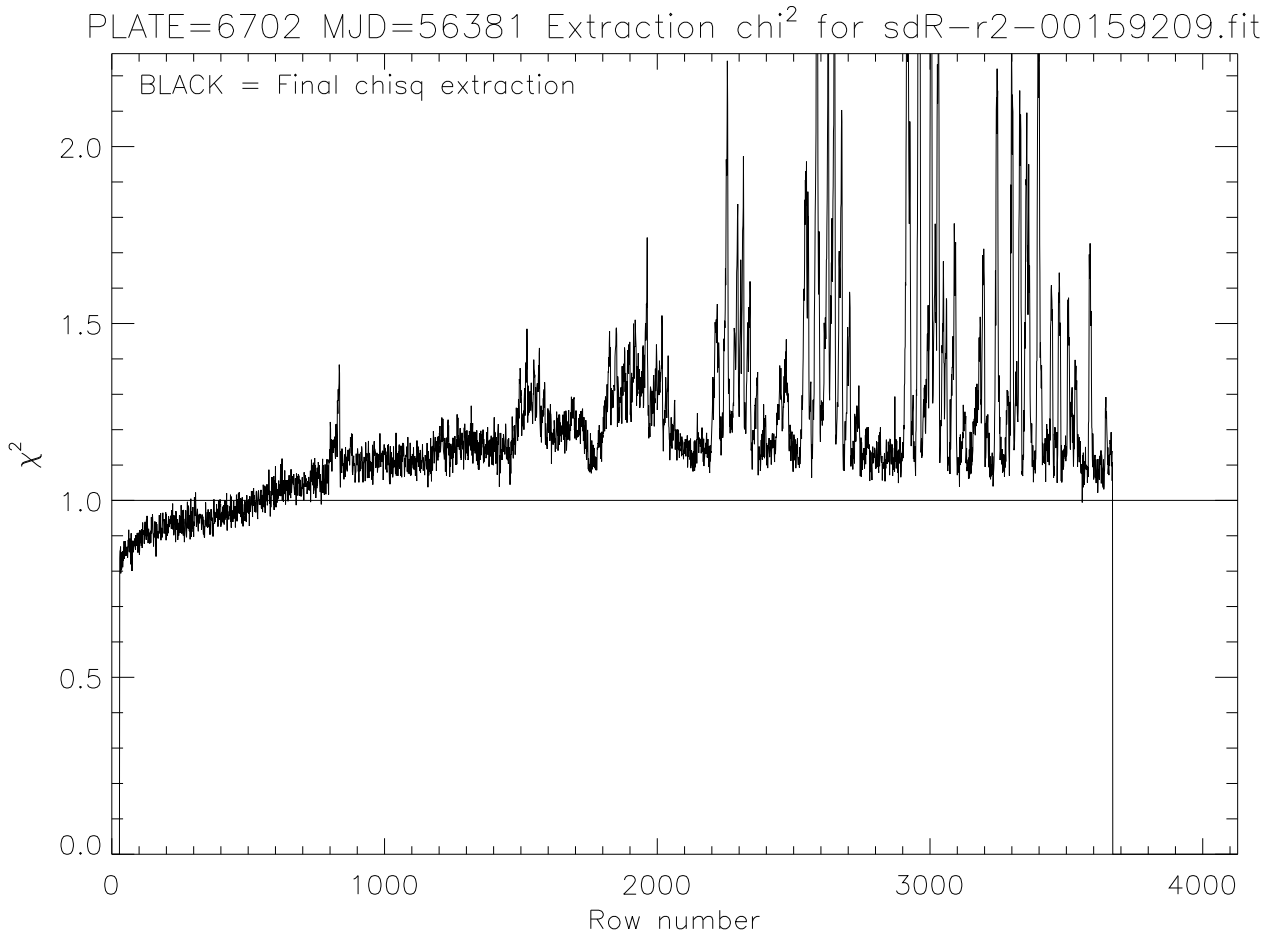
Number of sky fibers = 39

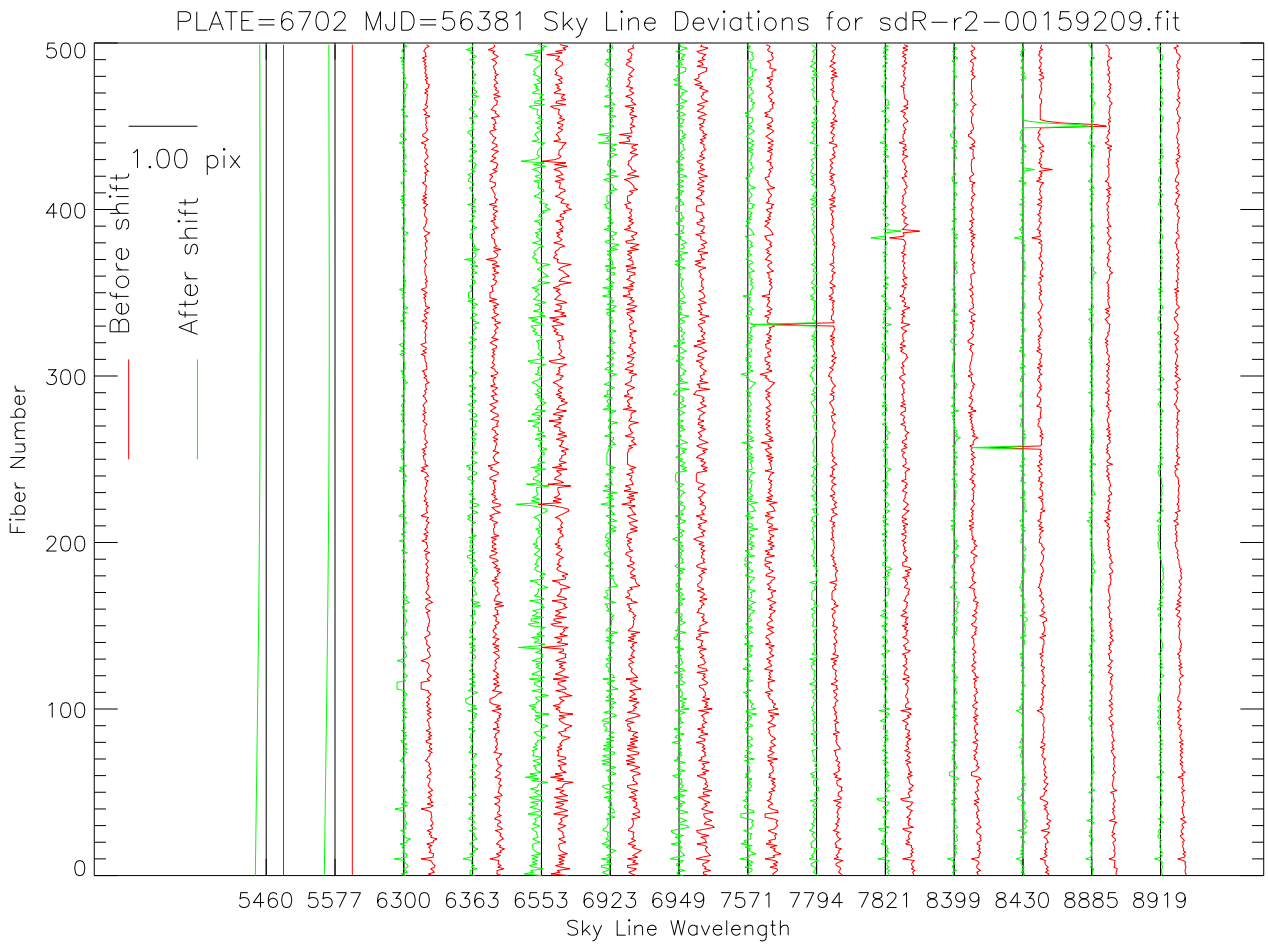


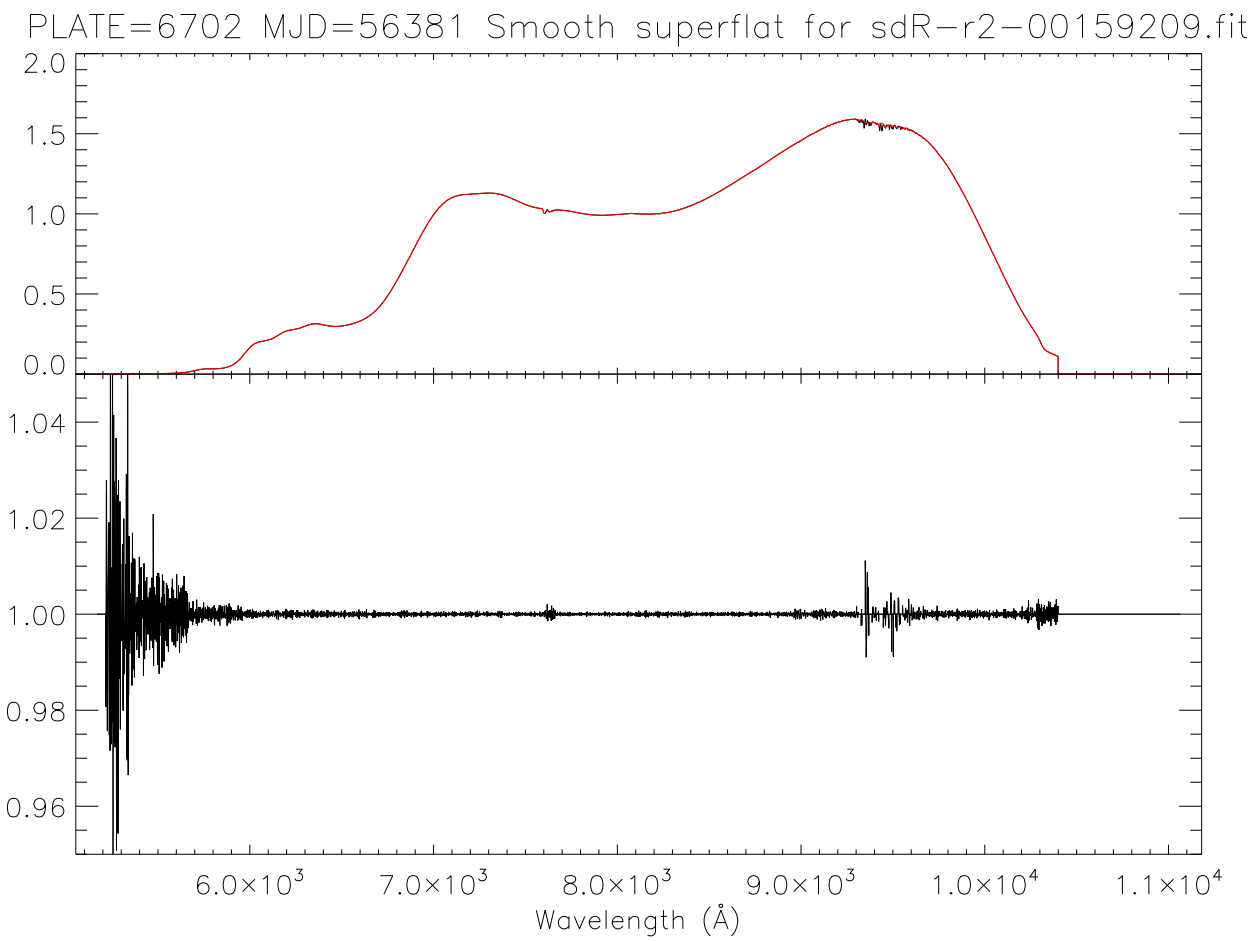

PLATE=6702 MJD=56381 sdR-r2-00159208.fit Skyline Flux at 7343,0
Flux (7343.0)/Airmass
RED = sky fiber
Dispersion = 2.04 %
Fiber number
Flux (7343.0)/Airmass
Focal Distance [mm]
Flux (7343.0)/Airmass
Airmass

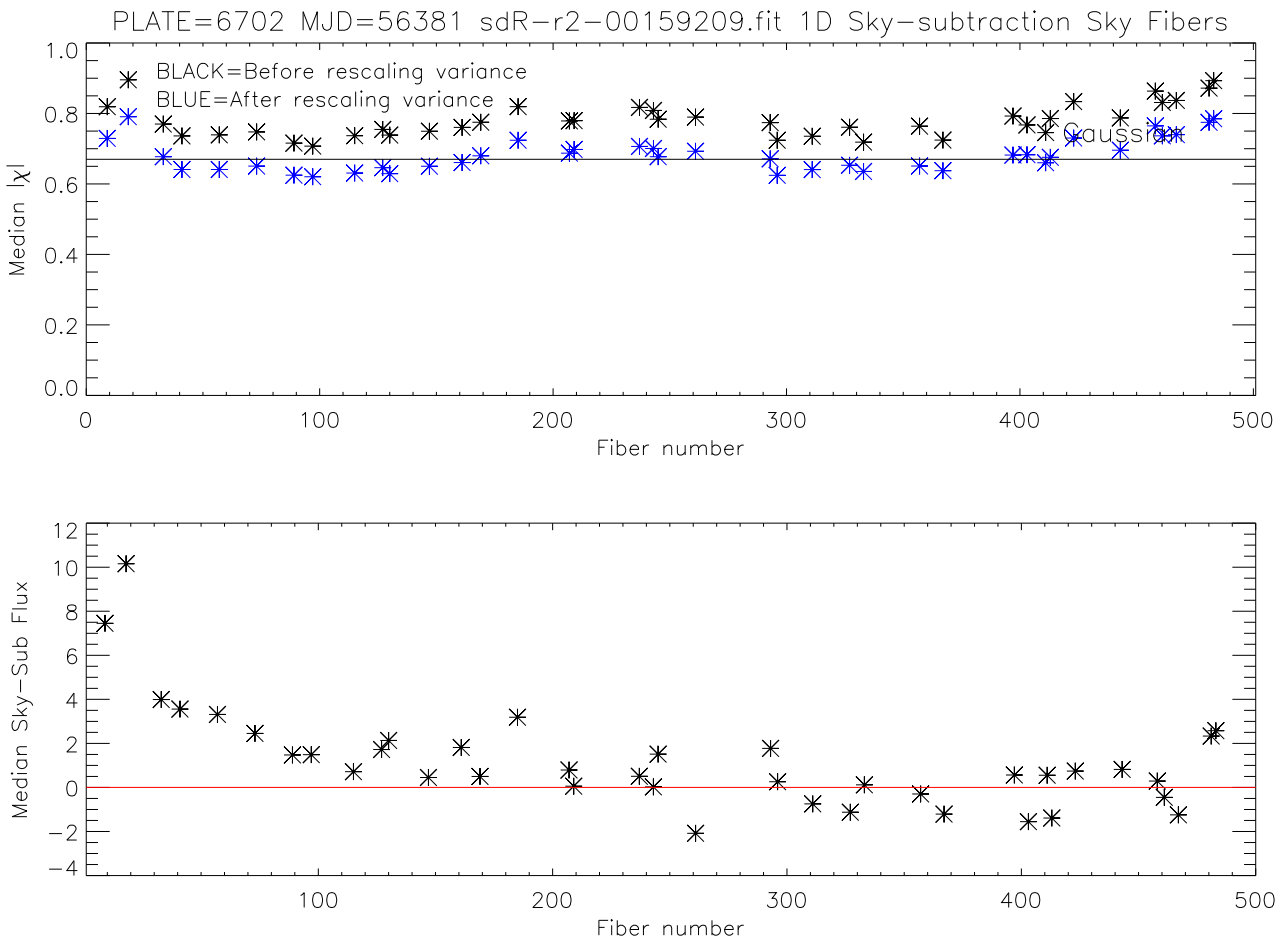

PLATE=6702 MJD=56381 sdR-r2-00159208.fit Skyline Flux at 8888.3
Flux (8888.3)/Airmass
RED = sky fiber
Dispersion = 0.78 %
Fiber number
Focal Distance [mm]
Airmass

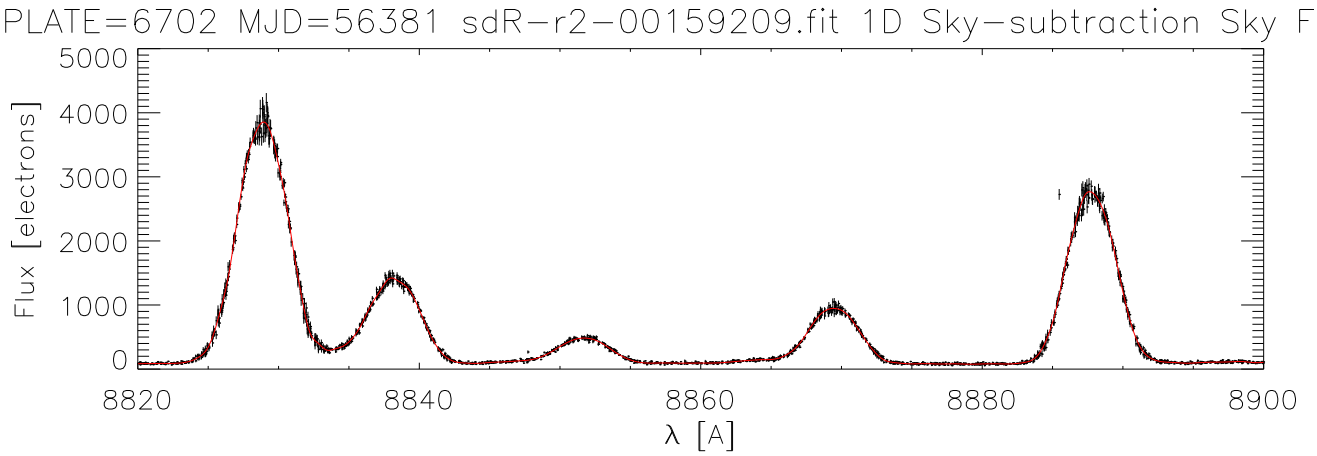

PLATE=6702 MJD=56381 Fiber−Flats for sdR−r2−00159206.fit
BLACK = Median value
ENVELOPE = 95% of points
GREEN = Outlier points
Min value = −0.277
Max value = 2.309
Fiber−Flat
1.5
1.0
0.5
0.0
6.0×10^3
7.0×10^3
8.0×10^3
9.0×10^3
1.0×10^4
1.1×10^4
λ [A]
Wed Apr 16 12:40:55 2014

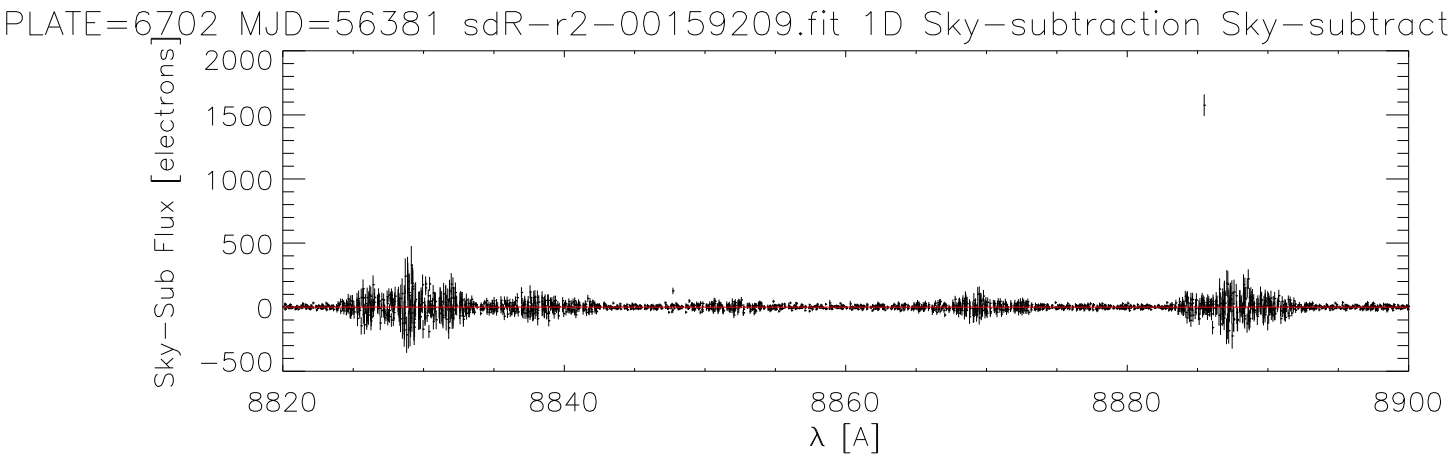

PLATE=6702 MJD=56381 Extraction chi^2 for sdR−r2−00159209.fit
BLACK = Final chisq extraction
χ^2
2.0
1.5
1.0
0.5
0.0
0
1000
2000
3000
4000
Row number


PLATE=6702 MJD=56381 Sky Line Deviations for sdR-r2-00159209.fit
Fiber Number
Sky Line Wavelength
Before shift
After shift
1.00 pix
0
100
200
300
400
500
5460 5577 6300 6363 6553 6923 6949 7571 7794 7821 8399 8430 8885 8919

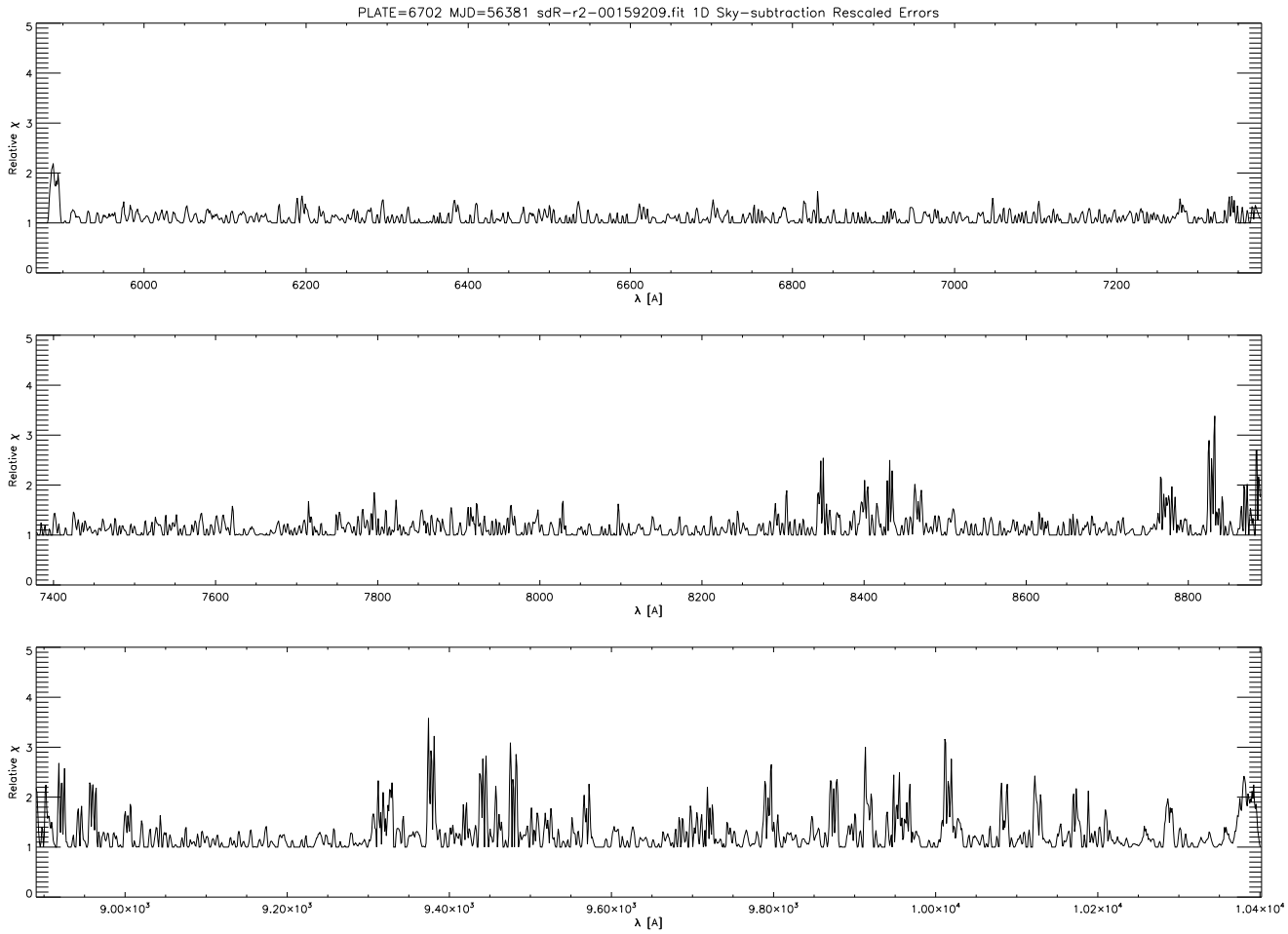

PLATE=6702 MJD=56381 Smooth superflat for sdR-r2-00159209.fit
2.0
1.5
1.0
0.5
0.0
1.04
1.02
1.00
0.98
0.96
6.0×10^3
7.0×10^3
8.0×10^3
9.0×10^3
1.0×10^4
1.1×10^4
Wavelength (Å)

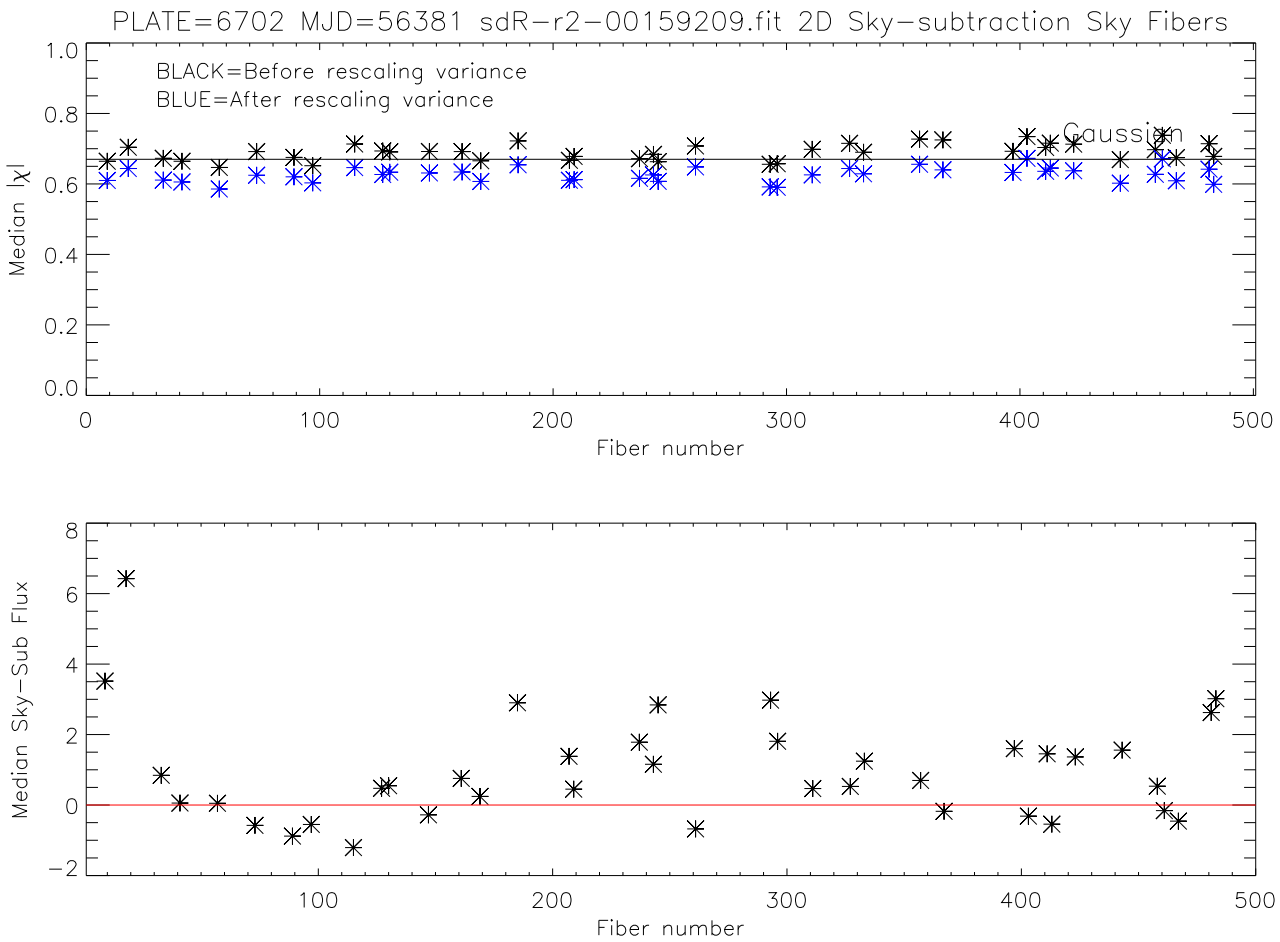

PLATE=6702 MJD=56381 sdR-r2-00159209.fit 1D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

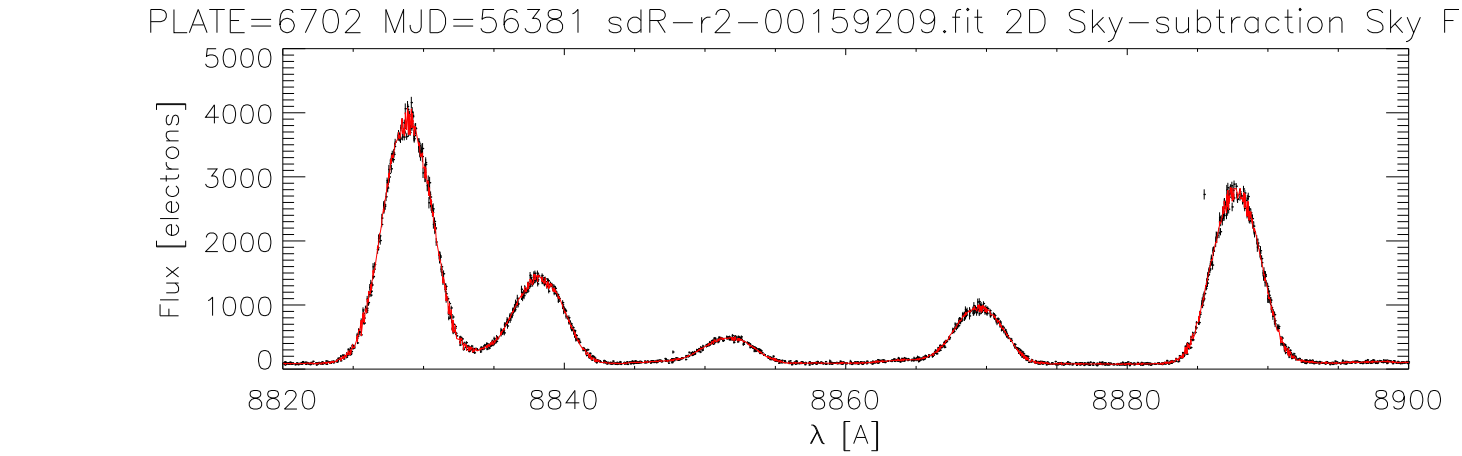

PLATE=6702 MJD=56381 sdR-r2-00159209.fit 1D Sky-subtraction Sky Fibers
Flux [electrons]
5000
4000
3000
2000
1000
0
8820
8840
8860
8880
8900
λ [A]

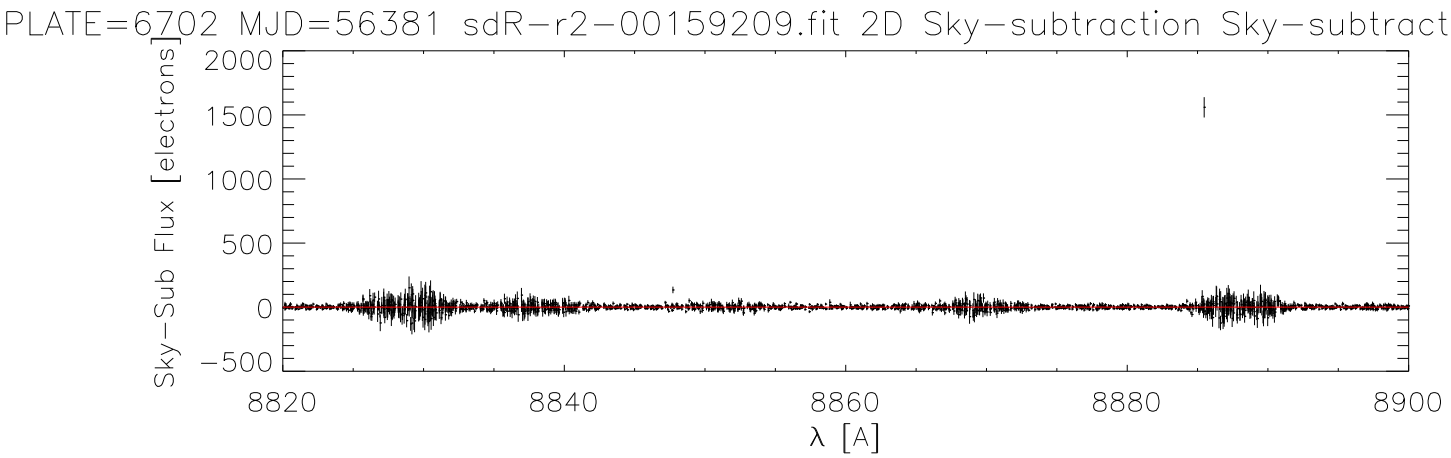

PLATE=6702 MJD=56381 sdR-r2-00159209.fit 1D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
2000
1500
1000
500
0
-500
8820
8840
8860
8880
8900
λ [A]

Number of sky fibers = 39

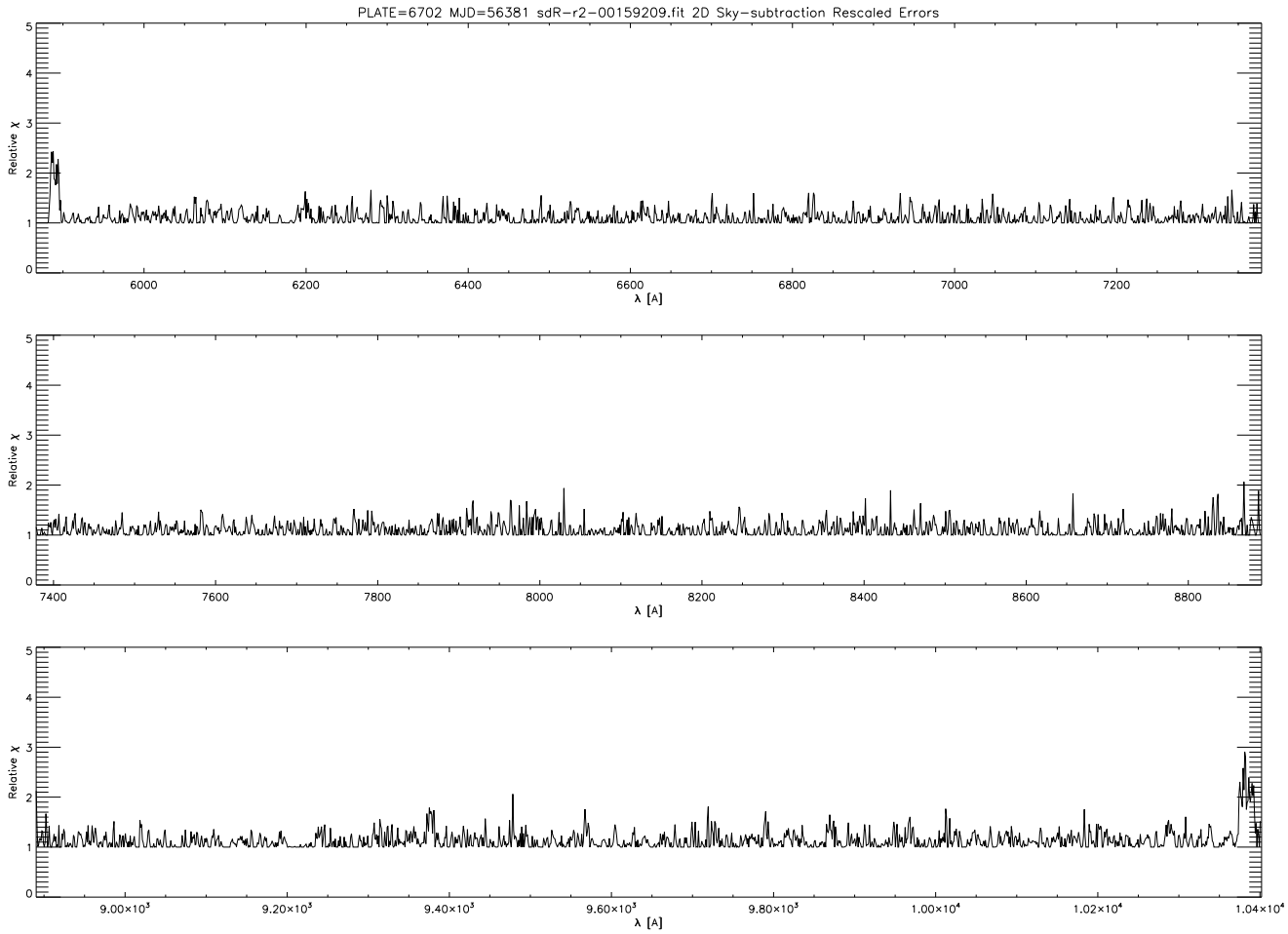


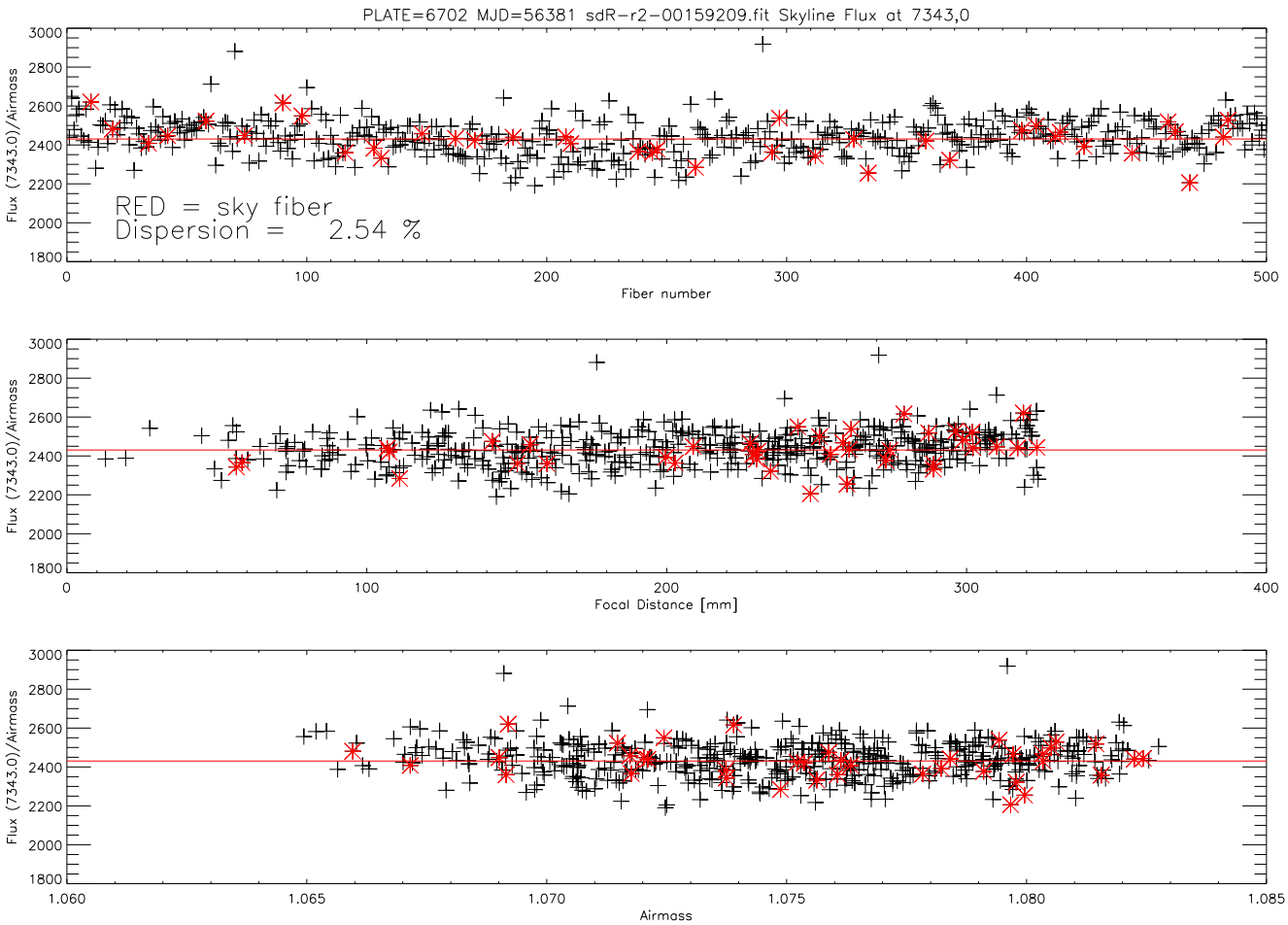

PLATE=6702 MJD=56381 sdR-r2-00159209.fit 2D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

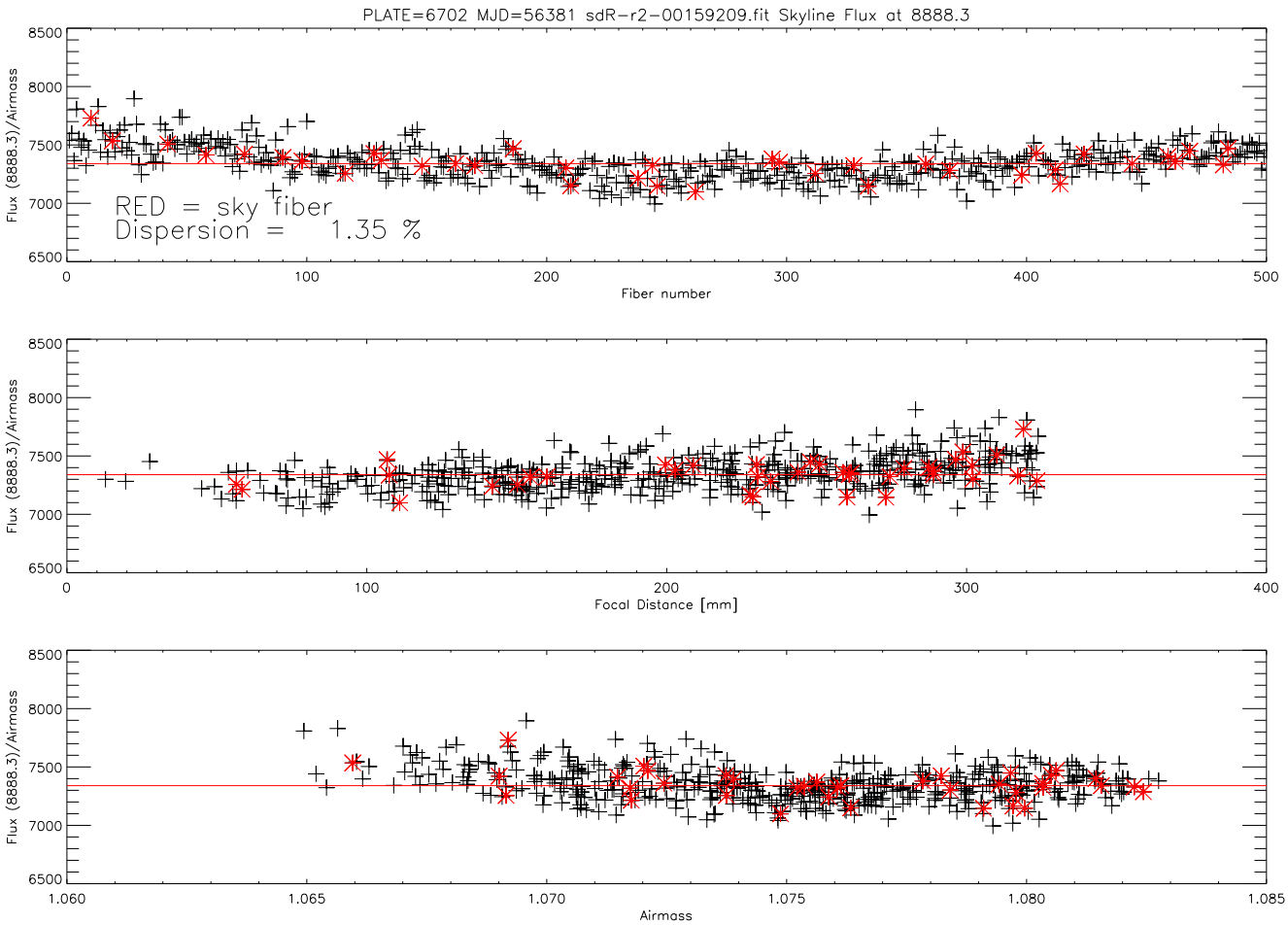

PLATE=6702 MJD=56381 sdR-r2-00159209.fit 2D Sky-subtraction Sky Fibers
Flux [electrons]
5000
4000
3000
2000
1000
0
8820
8840
8860
8880
8900
λ [A]


PLATE=6702 MJD=56381 sdR-r2-00159209.fit 2D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
2000
1500
1000
500
0
-500
8820
8840
8860
8880
8900
λ [A]

Number of sky fibers = 39




PLATE=6702 MJD=56381 sdR-r2-00159209.fit Skyline Flux at 7343,0
Flux (7343.0)/Airmass
RED = sky fiber
Dispersion = 2.54 %
Fiber number
Flux (7343.0)/Airmass
Focal Distance [mm]
Flux (7343.0)/Airmass
Airmass


PLATE=6702 MJD=56381 sdR-r2-00159209.fit Skyline Flux at 8888.3
Flux (8888.3)/Airmass
RED = sky fiber
Dispersion = 1.35 %
Fiber number
Focal Distance [mm]
Airmass