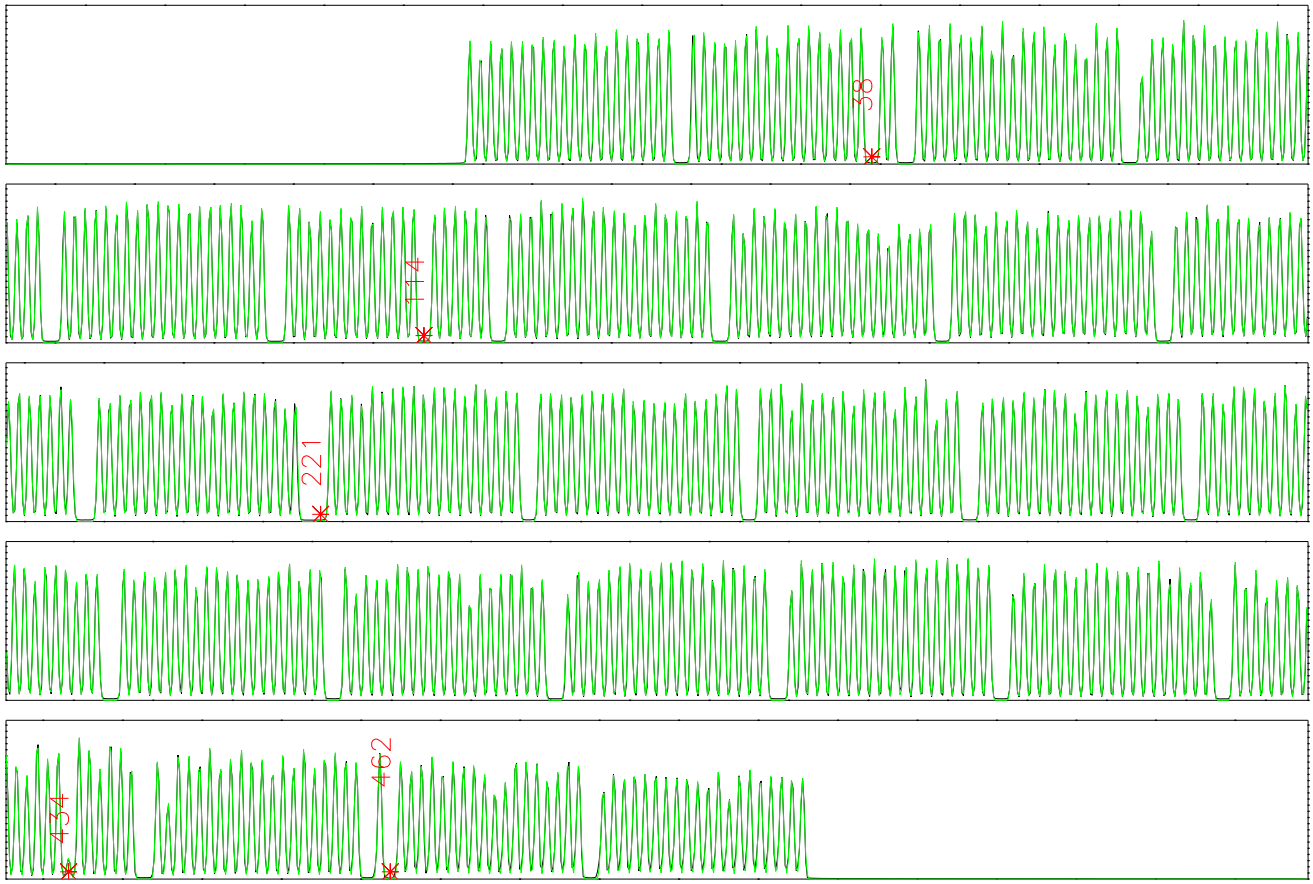
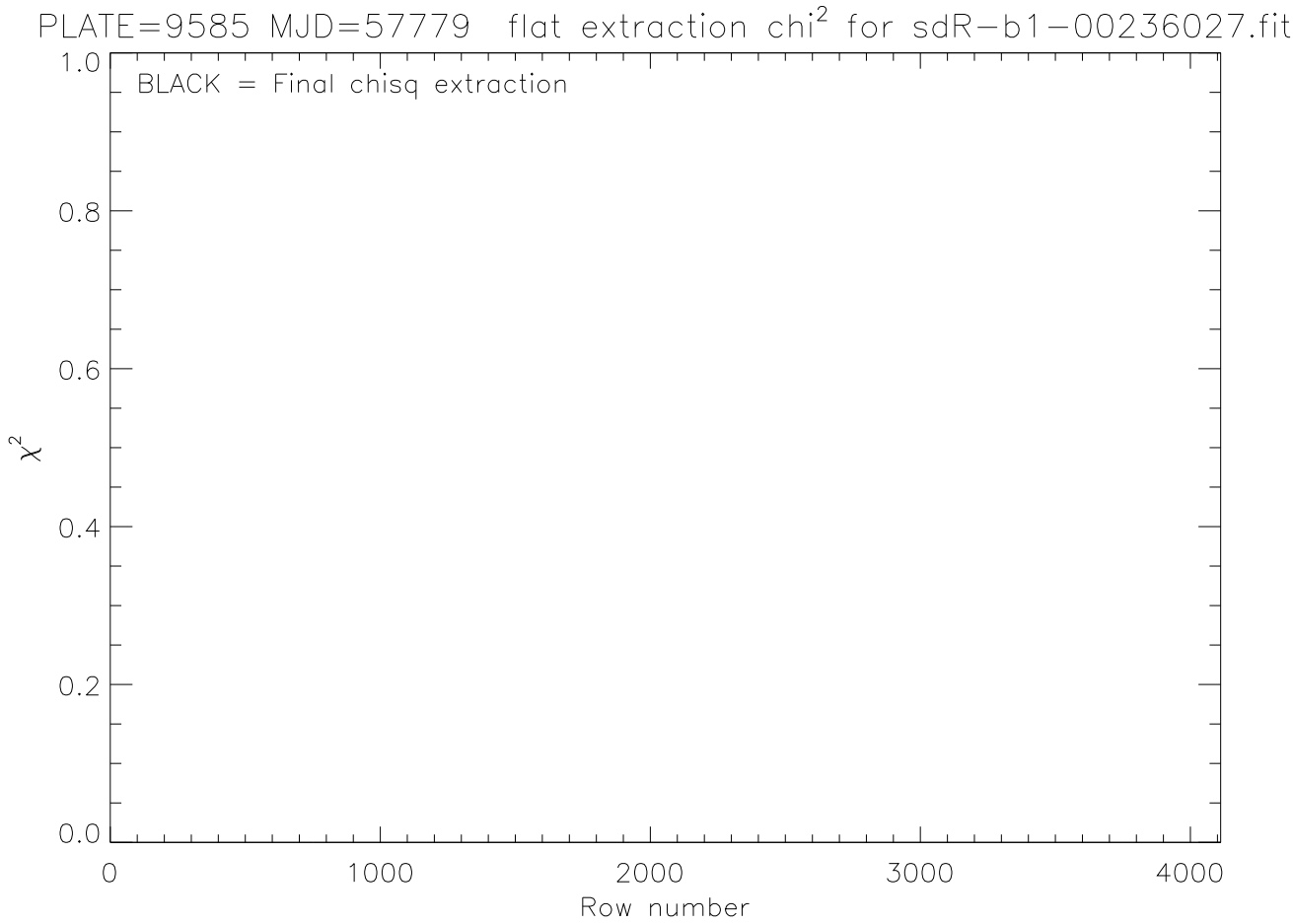
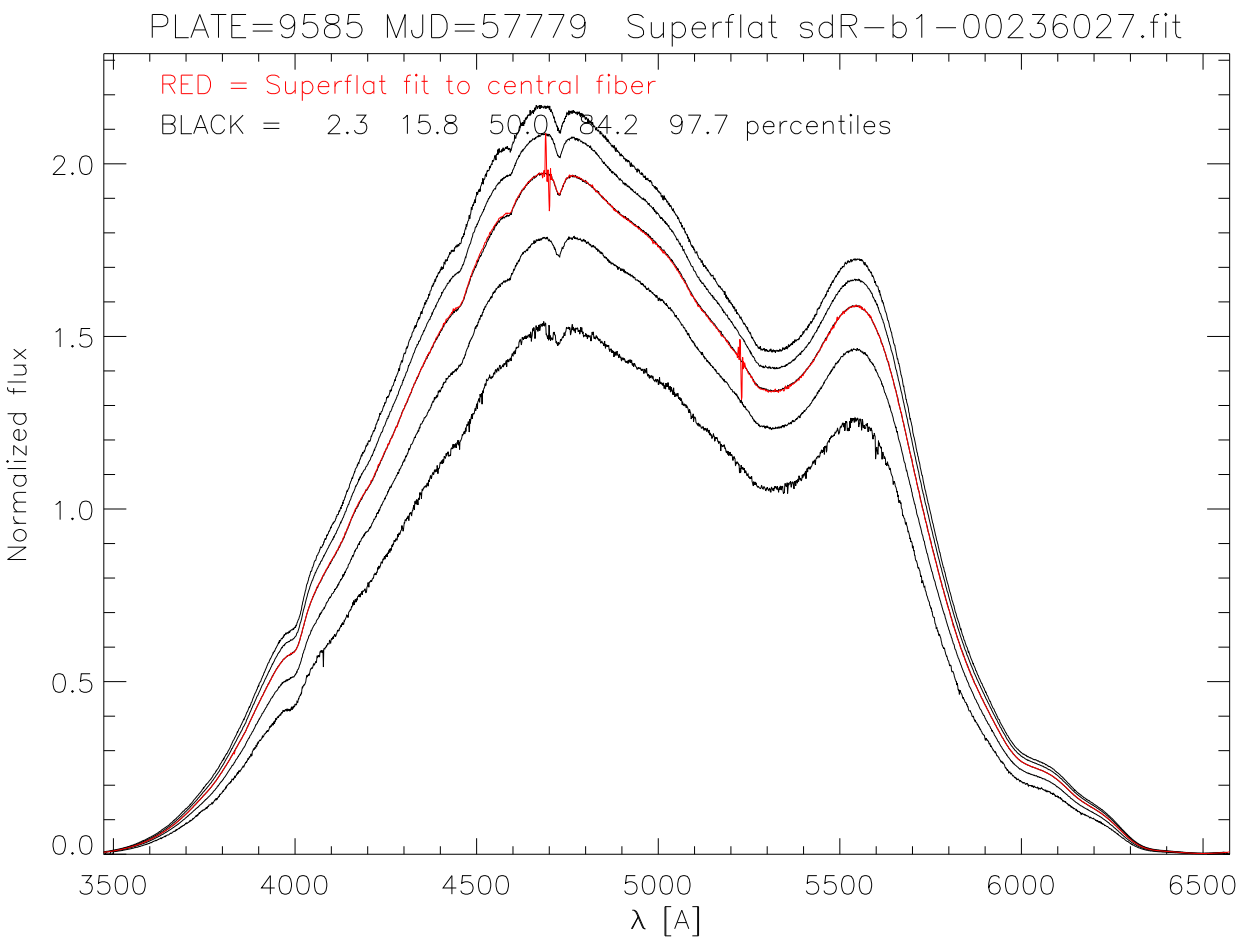
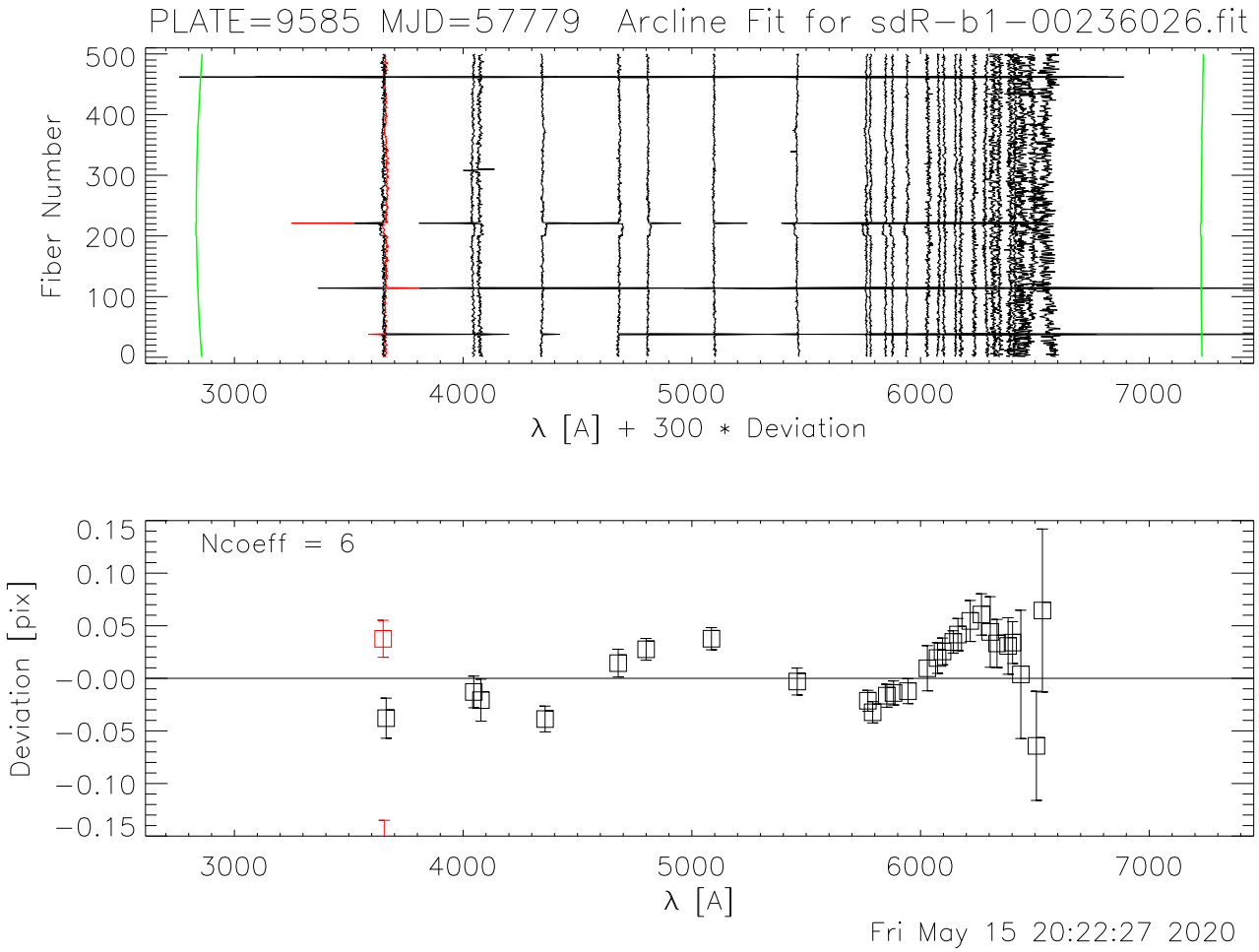
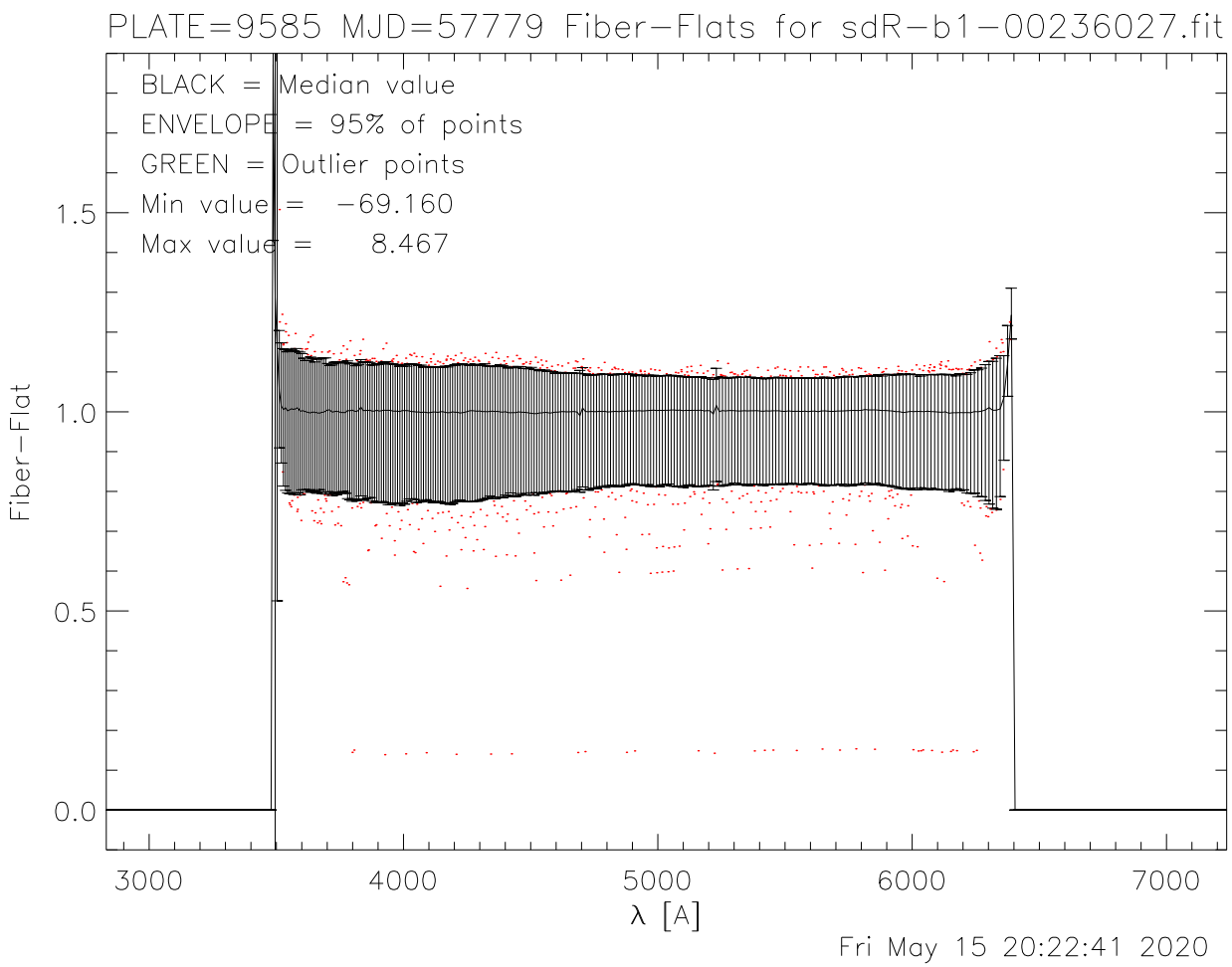
PLATE=9585 MJD=57779 Traces sdR-b1-00236027.fit

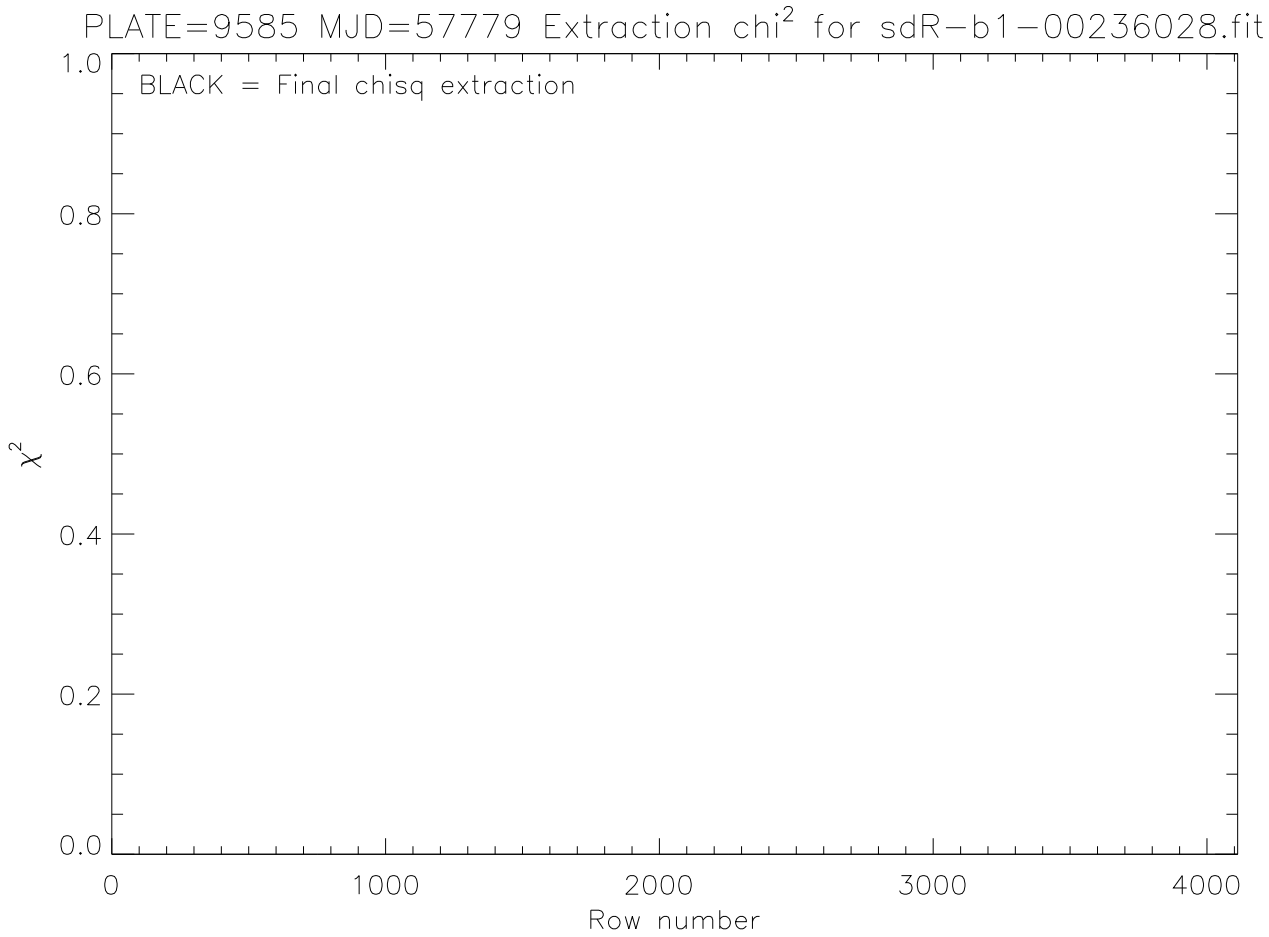


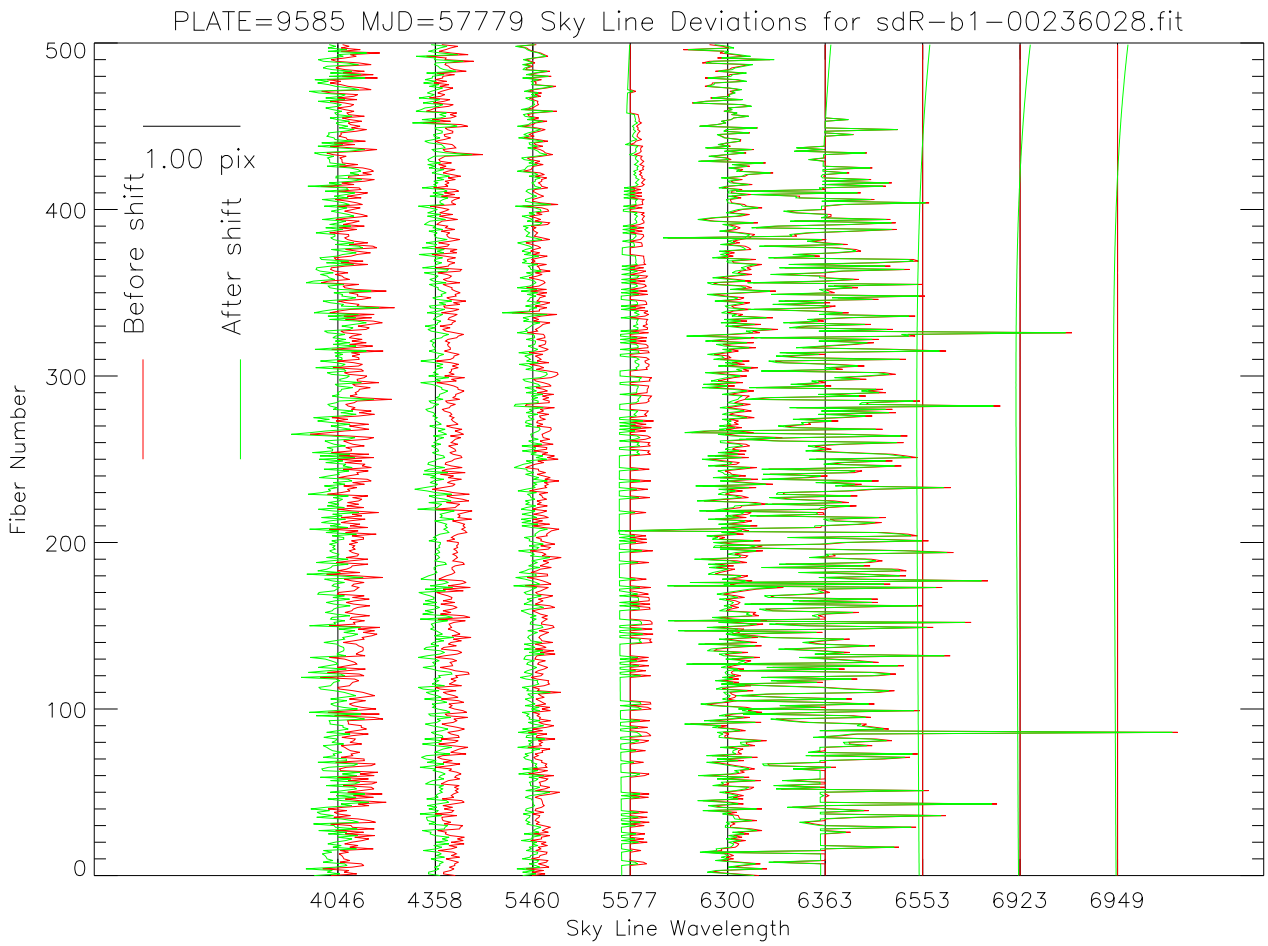

PLATE=9585 MJD=57779 flat extraction chi^2 for sdR−b1−00236027.fit
BLACK = Final chisq extraction
χ^2
1.0
0.8
0.6
0.4
0.2
0.0
0
1000
2000
3000
4000
Row number

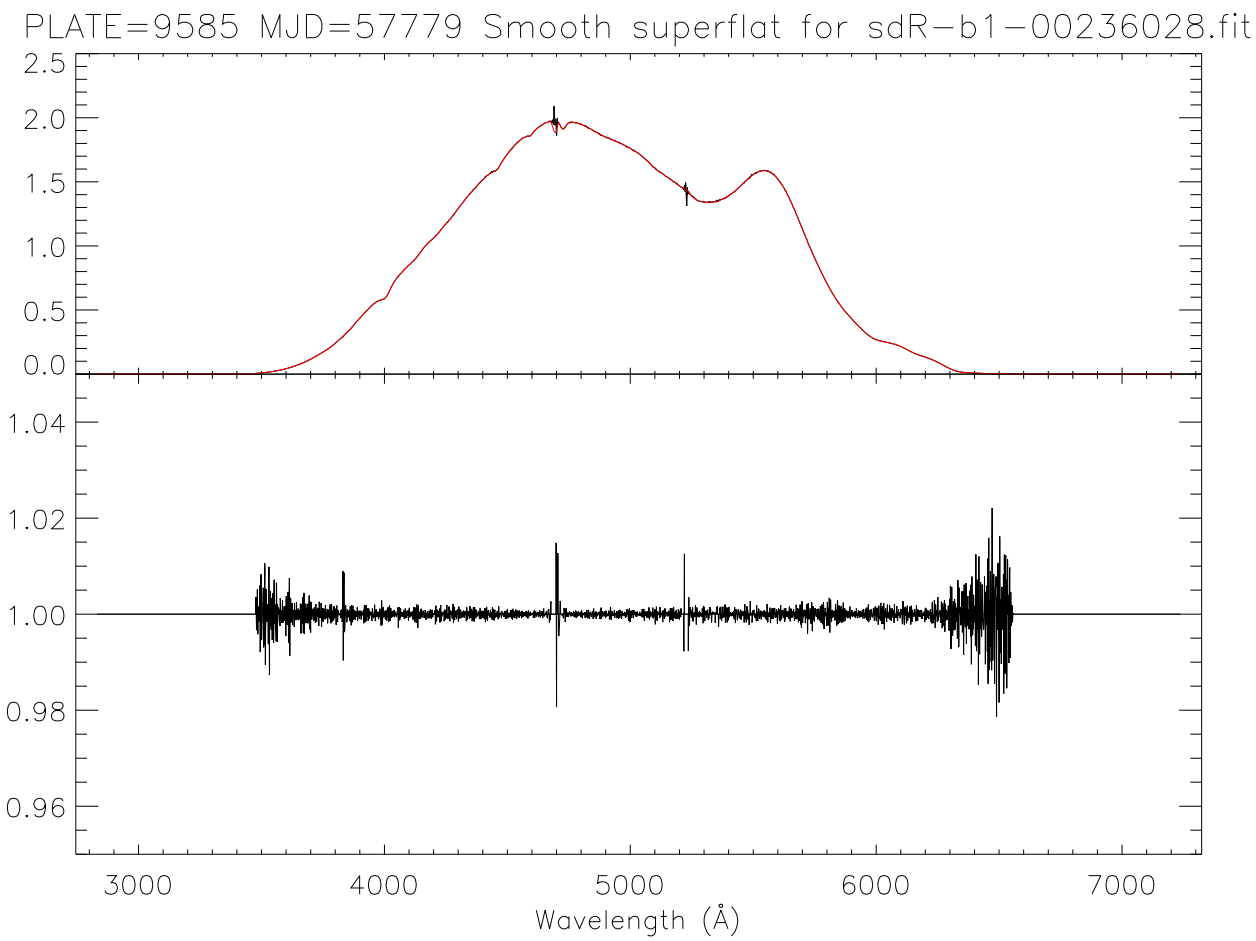

PLATE=9585 MJD=57779 Superflat sdR-b1-00236027.fit
RED = Superflat fit to central fiber
BLACK = 2.3 15.8 50.0 84.2 97.7 percentiles
Normalized flux
0.0
0.5
1.0
1.5
2.0
3500
4000
4500
5000
5500
6000
6500
λ [A]

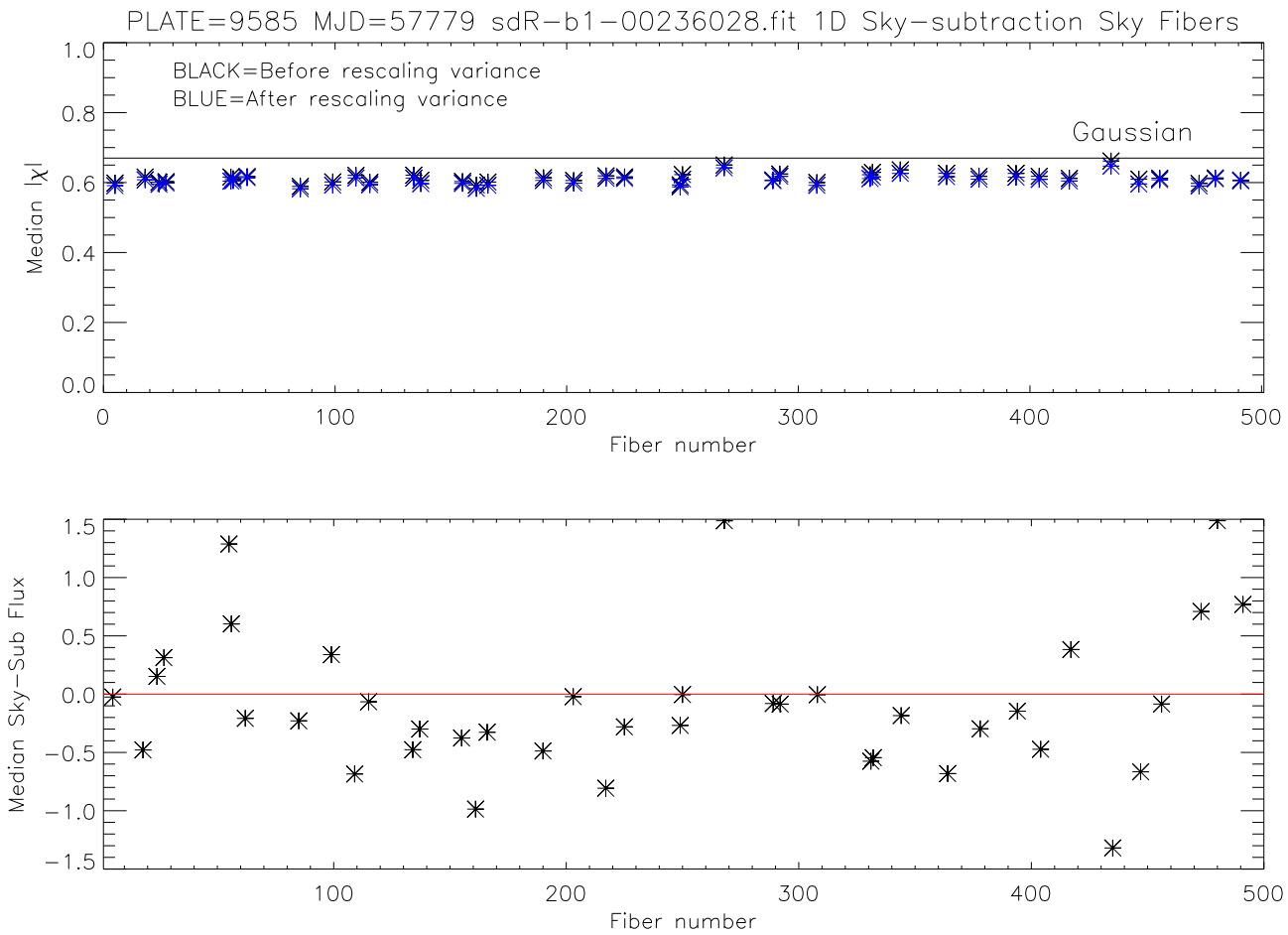

PLATE=9585 MJD=57779 Arcline Fit for sdR-b1-00236026.fit
Fiber Number
500
400
300
200
100
0
3000
4000
5000
6000
7000
λ [A] + 300 * Deviation
Ncoeff = 6
Deviation [pix]
0.15
0.10
0.05
−0.00
−0.05
−0.10
−0.15
3000
4000
5000
6000
7000
λ [A]
Fri May 15 20:22:27 2020

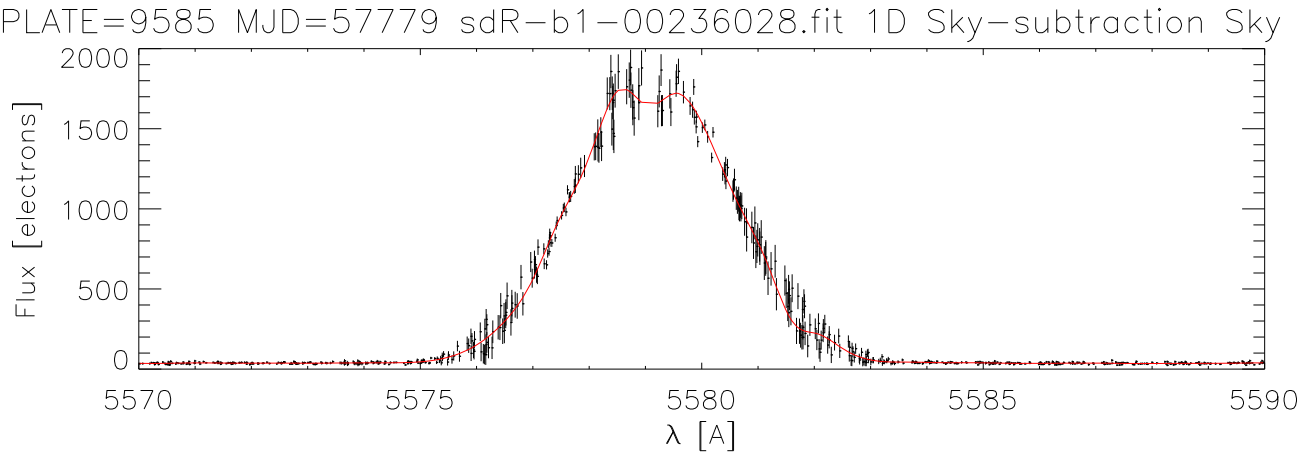

PLATE=9585 MJD=57779 Fiber-Flats for sdR-b1-00236027.fit
BLACK = Median value
ENVELOPE = 95% of points
GREEN = Outlier points
Min value = -69.160
Max value = 8.467
Fiber-Flat
1.5
1.0
0.5
0.0
3000
4000
5000
6000
7000
λ [A]
Fri May 15 20:22:41 2020

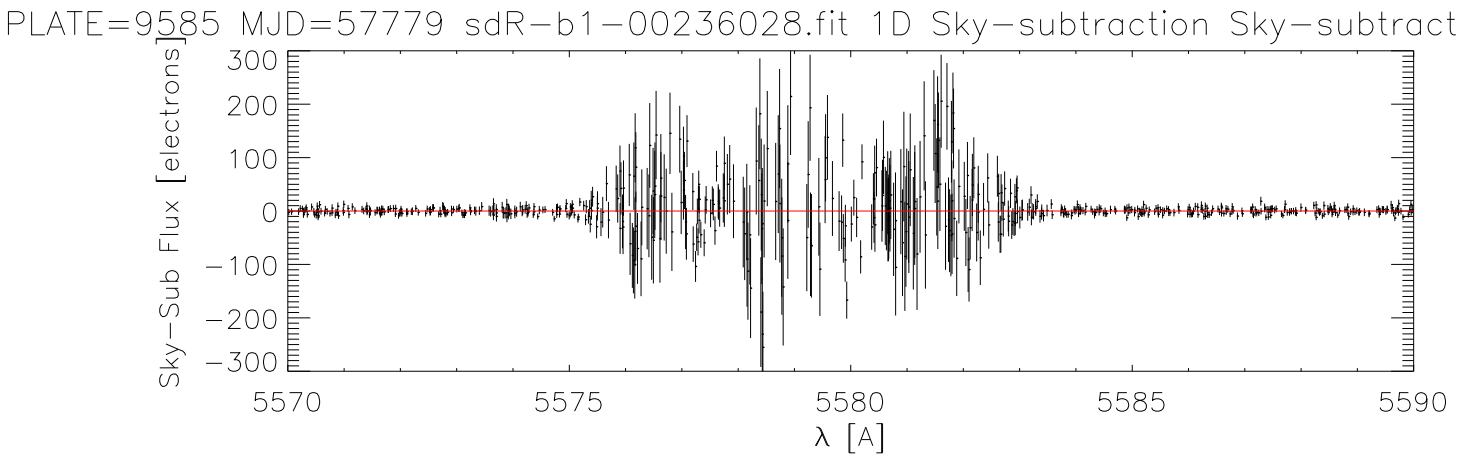

PLATE=9585 MJD=57779 Extraction chi^2 for sdR−b1−00236028.fit
BLACK = Final chisq extraction
χ^2
1.0
0.8
0.6
0.4
0.2
0.0
0
1000
2000
3000
4000
Row number


PLATE=9585 MJD=57779 Sky Line Deviations for sdR-b1-00236028.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

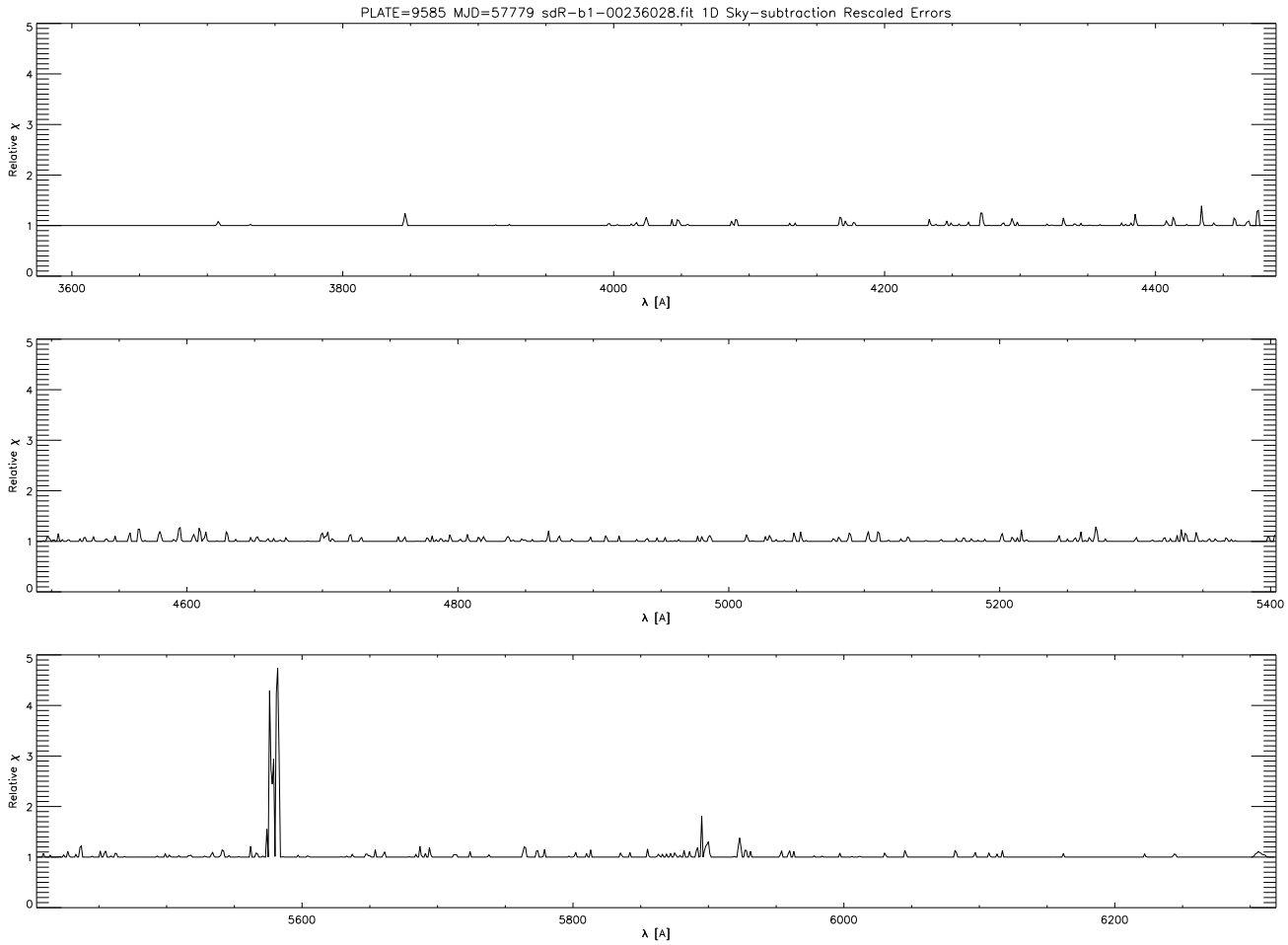

PLATE=9585 MJD=57779 Smooth superflat for sdR-b1-00236028.fit
2.5
2.0
1.5
1.0
0.5
0.0
1.04
1.02
1.00
0.98
0.96
3000
4000
5000
6000
7000
Wavelength (Å)

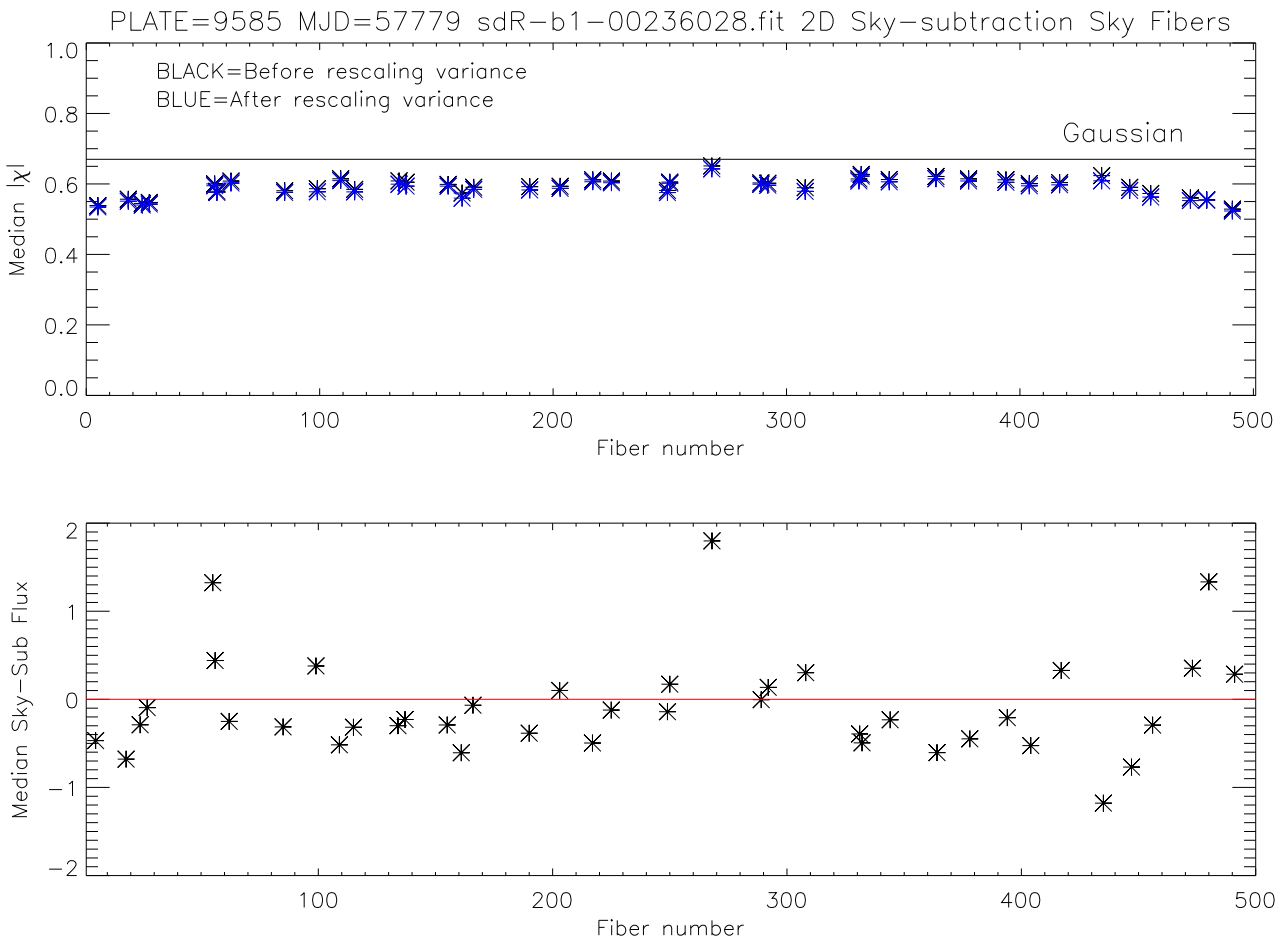

PLATE=9585 MJD=57779 sdR-b1-00236028.fit 1D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

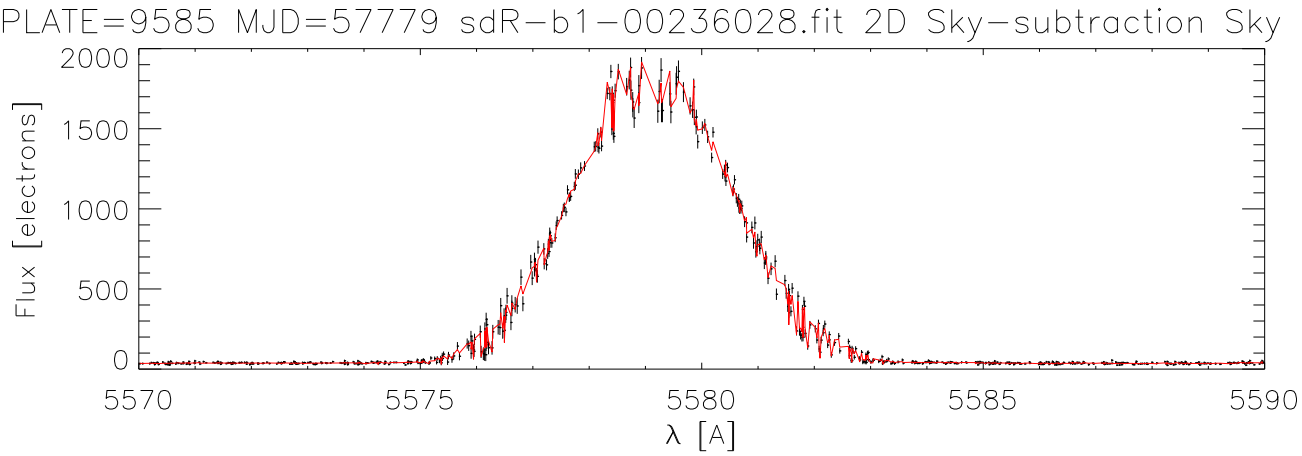

PLATE=9585 MJD=57779 sdR-b1-00236028.fit 1D Sky-subtraction Sky Fibers
Flux [electrons]
2000
1500
1000
500
0
5570
5575
5580
5585
5590
λ [A]

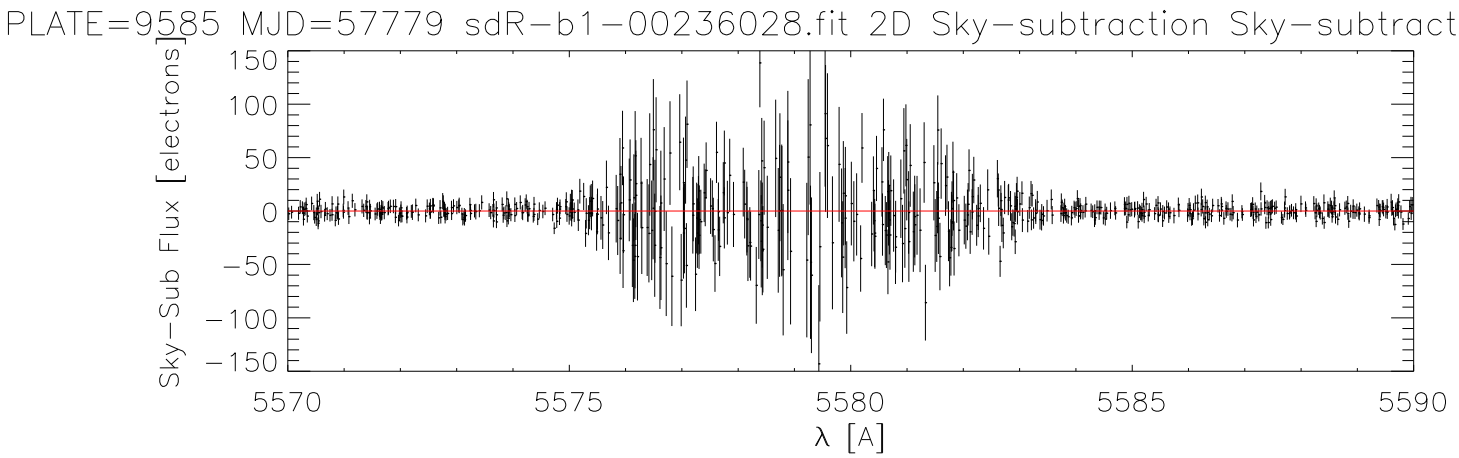

PLATE=9585 MJD=57779 sdR-b1-00236028.fit 1D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
300
200
100
0
-100
-200
-300
5570
5575
5580
5585
5590
λ [A]

Number of sky fibers = 40

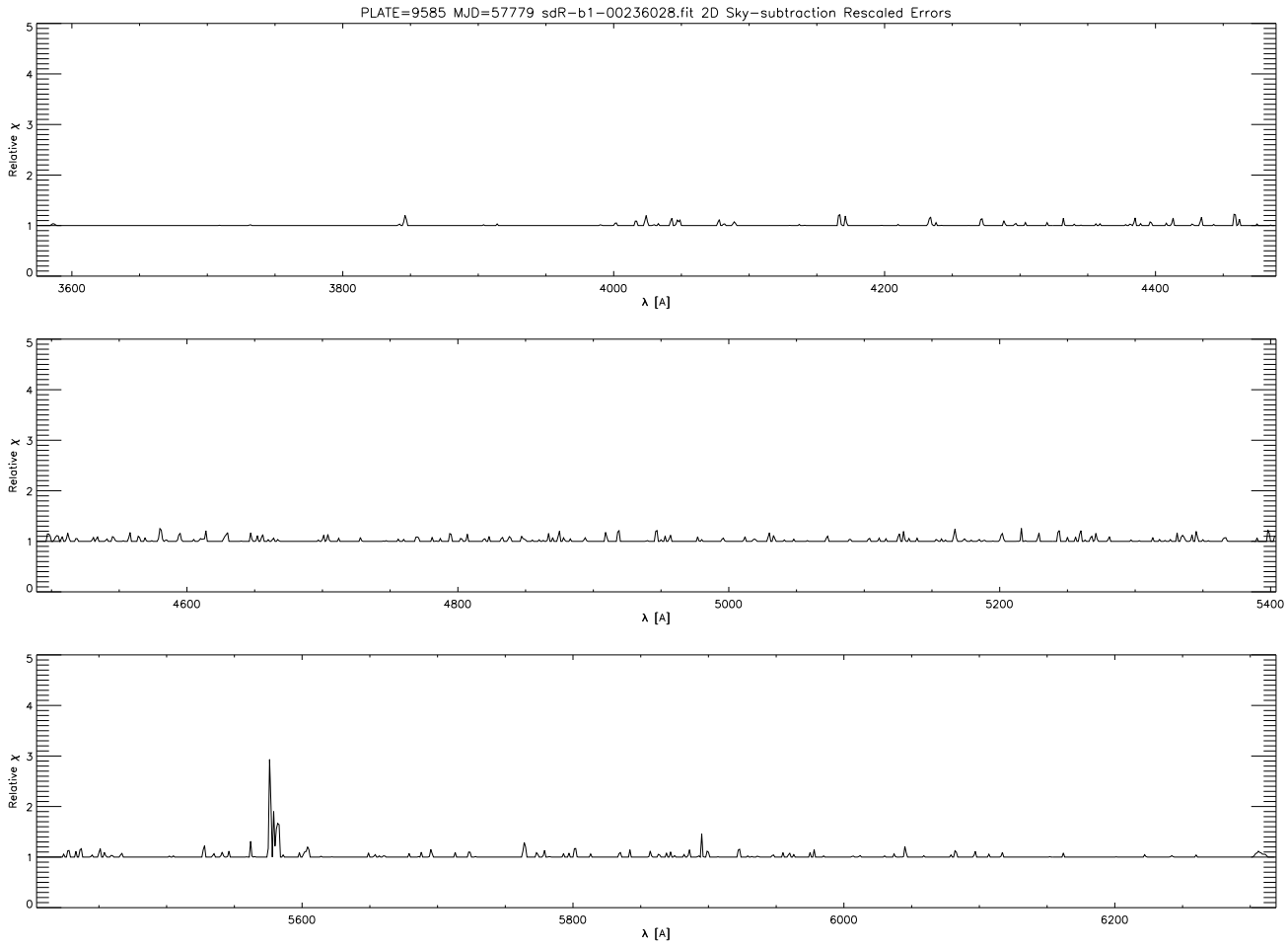


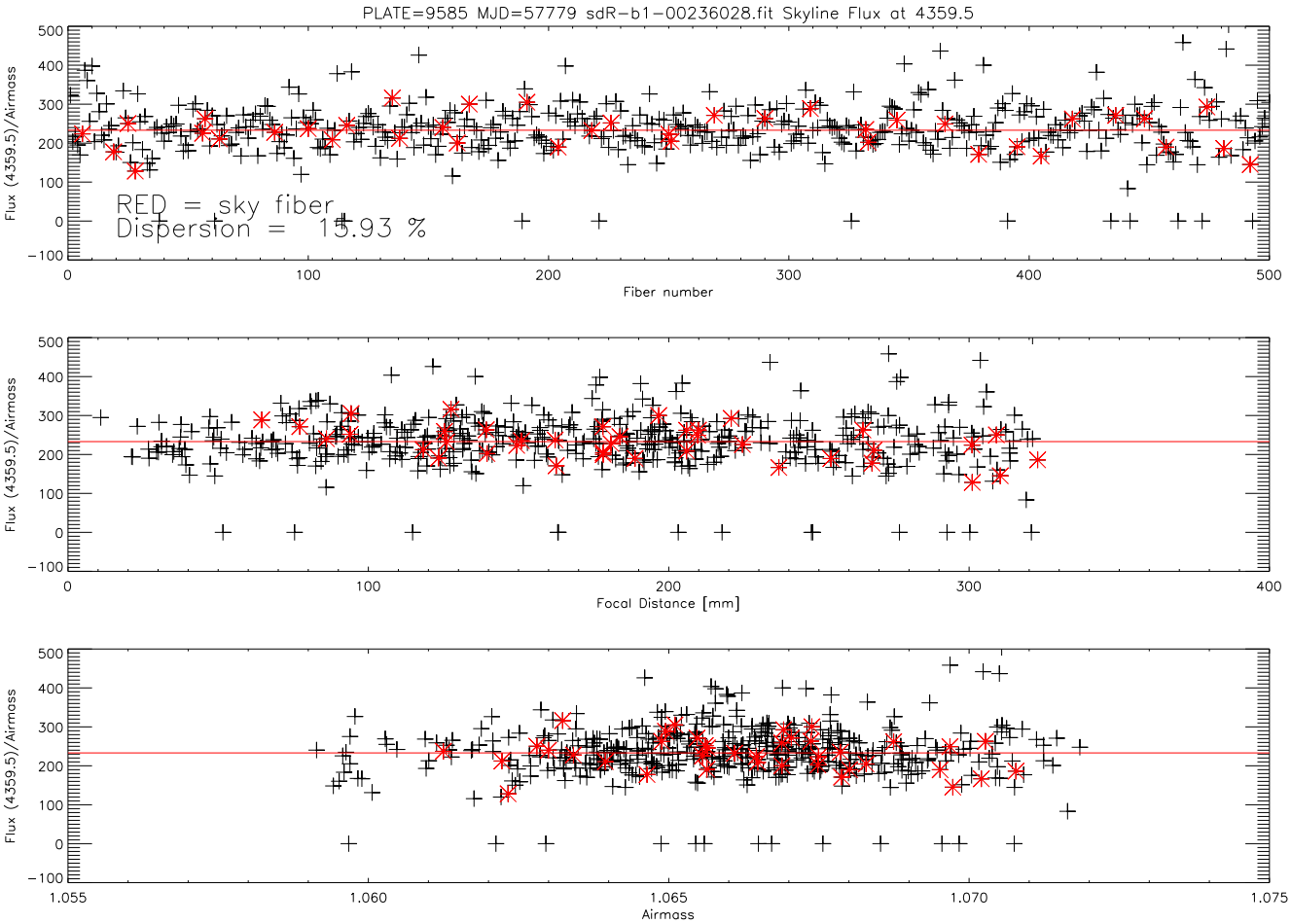

PLATE=9585 MJD=57779 sdR-b1-00236028.fit 2D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

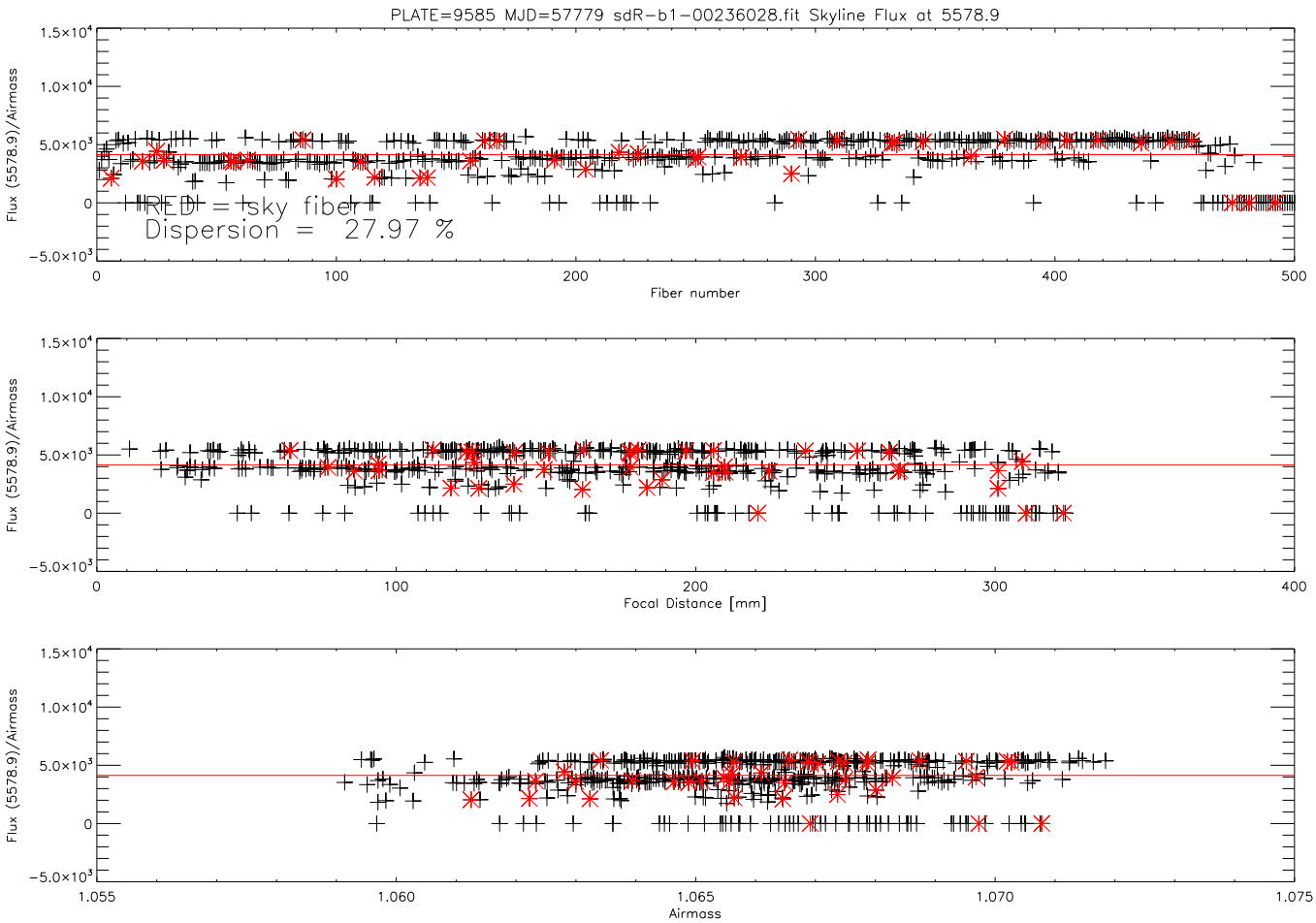

PLATE=9585 MJD=57779 sdR-b1-00236028.fit 2D Sky-subtraction Sky Fibers
Flux [electrons]
2000
1500
1000
500
0
5570
5575
5580
5585
5590
λ [A]

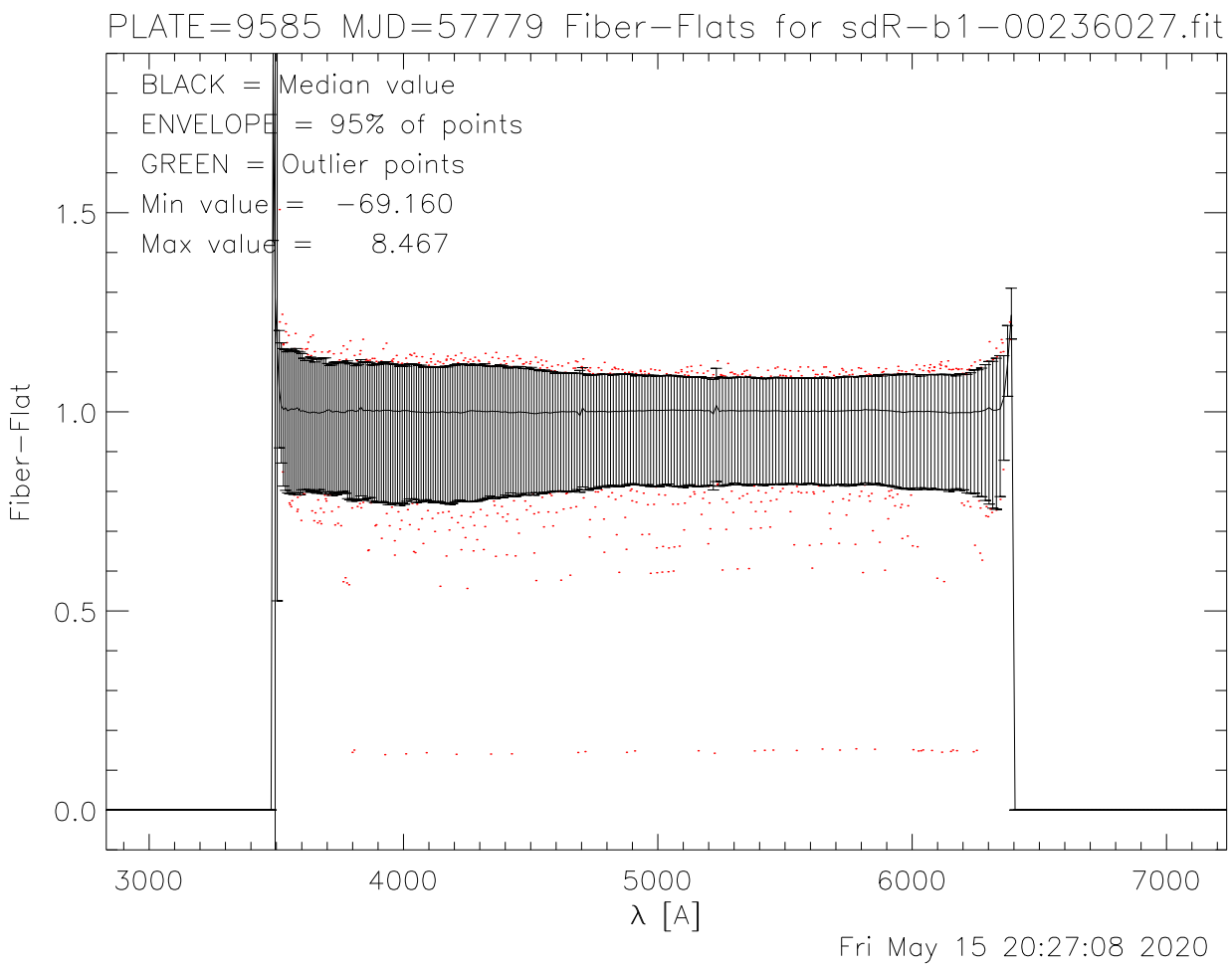

PLATE=9585 MJD=57779 sdR-b1-00236028.fit 2D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
150
100
50
0
-50
-100
-150
5570
5575
5580
5585
5590
λ [A]

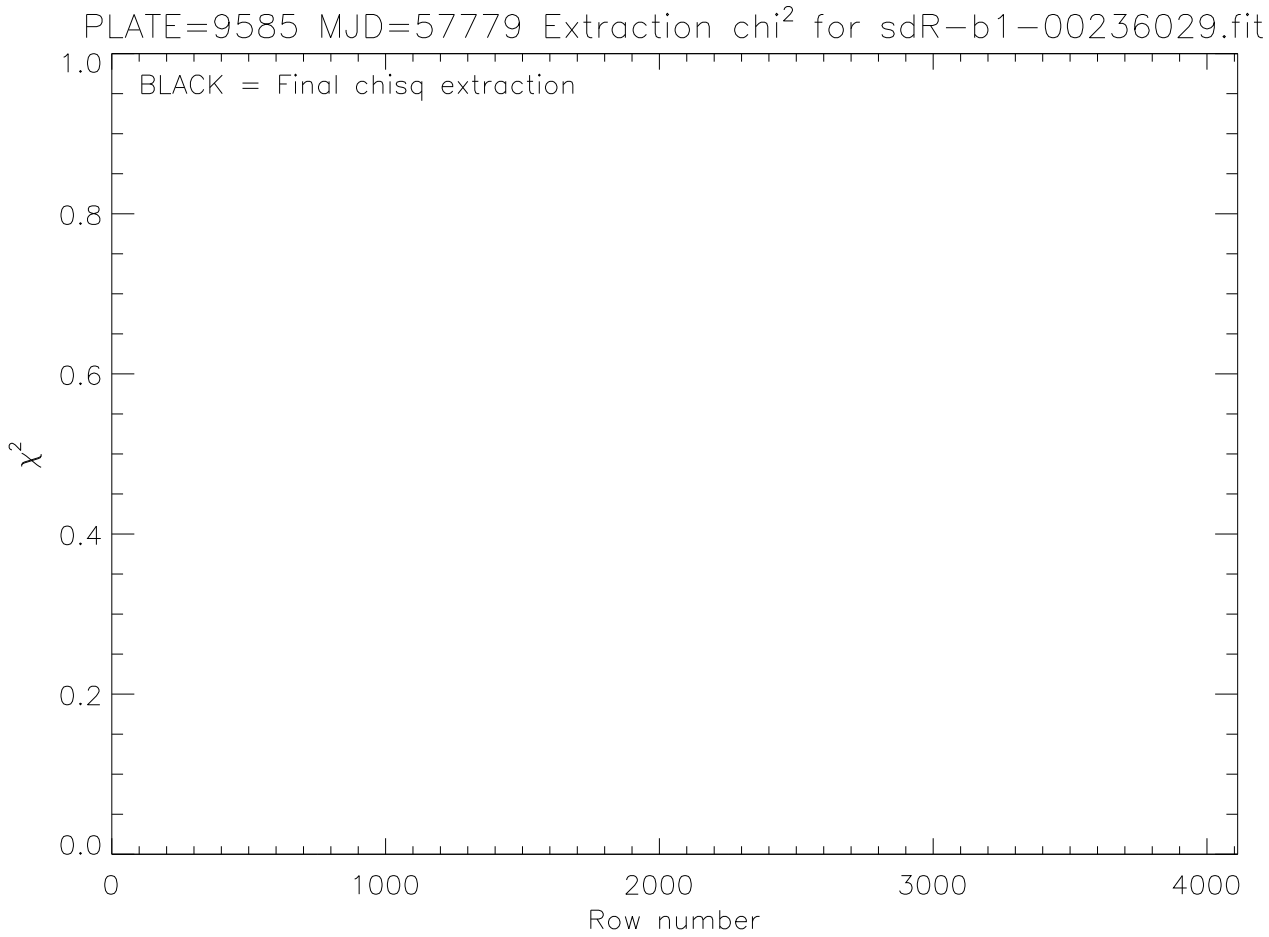
Number of sky fibers = 40

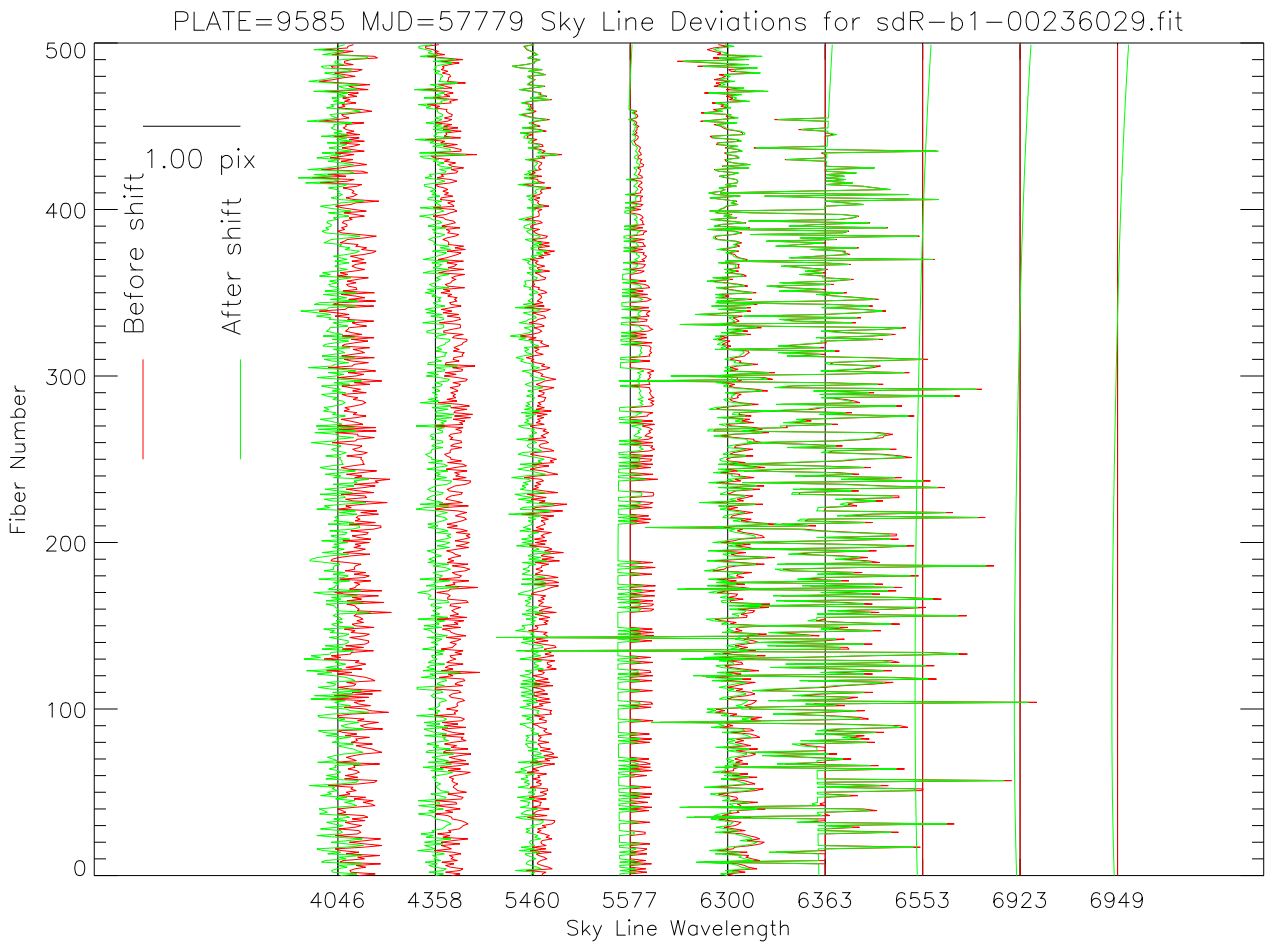


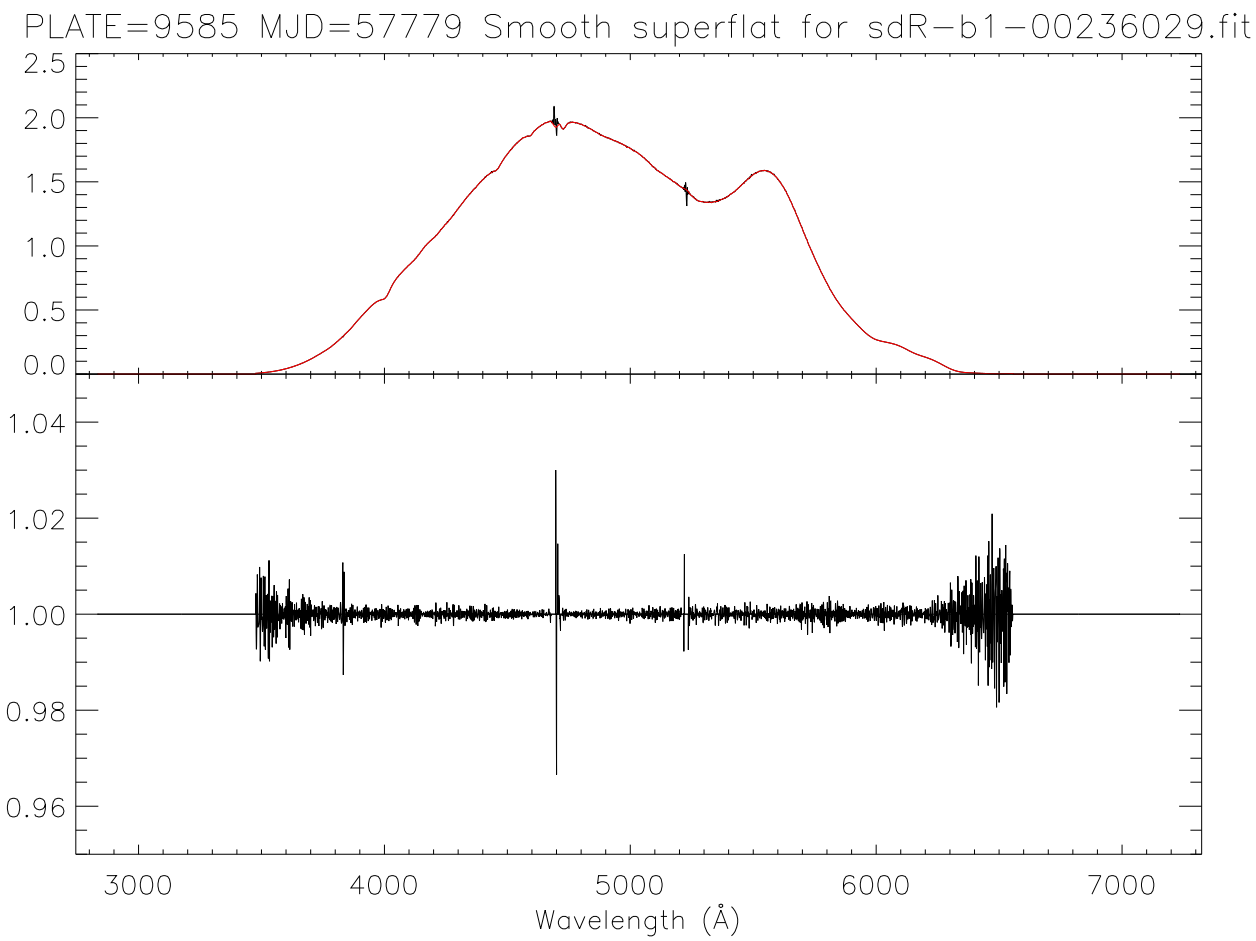

PLATE=9585 MJD=57779 sdR-b1-00236028.fit Skyline Flux at 4359.5
Flux (4359.5)/Airmass
RED = sky fiber
Dispersion = 15.93 %
Fiber number
Flux (4359.5)/Airmass
Focal Distance [mm]
Flux (4359.5)/Airmass
Airmass

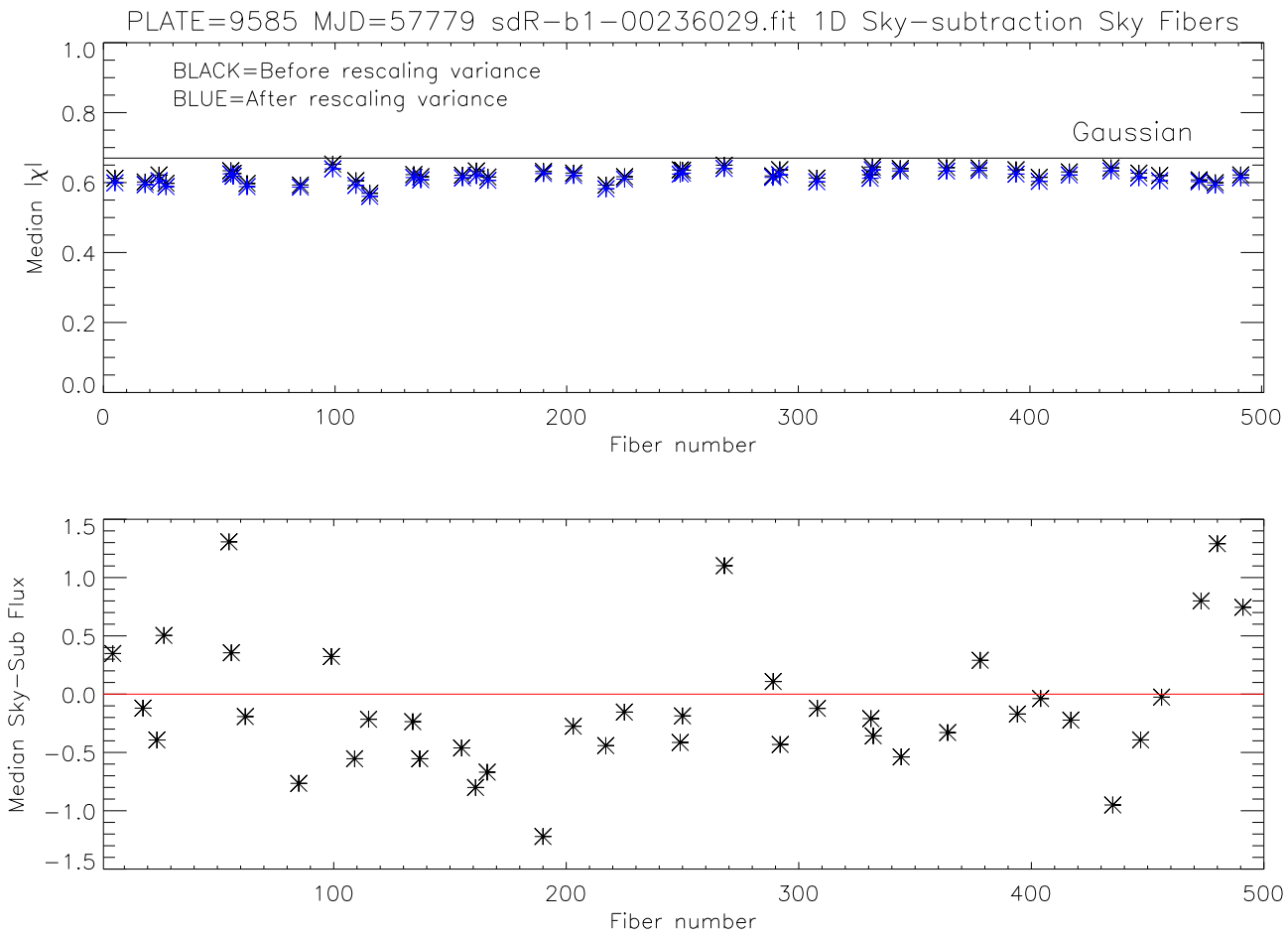

PLATE=9585 MJD=57779 sdR-b1-00236028.fit Skyline Flux at 5578.9
Flux (5578.9)/Airmass
Fiber number
RED = sky fiber
Dispersion = 27.97 %
Focal Distance [mm]
Airmass

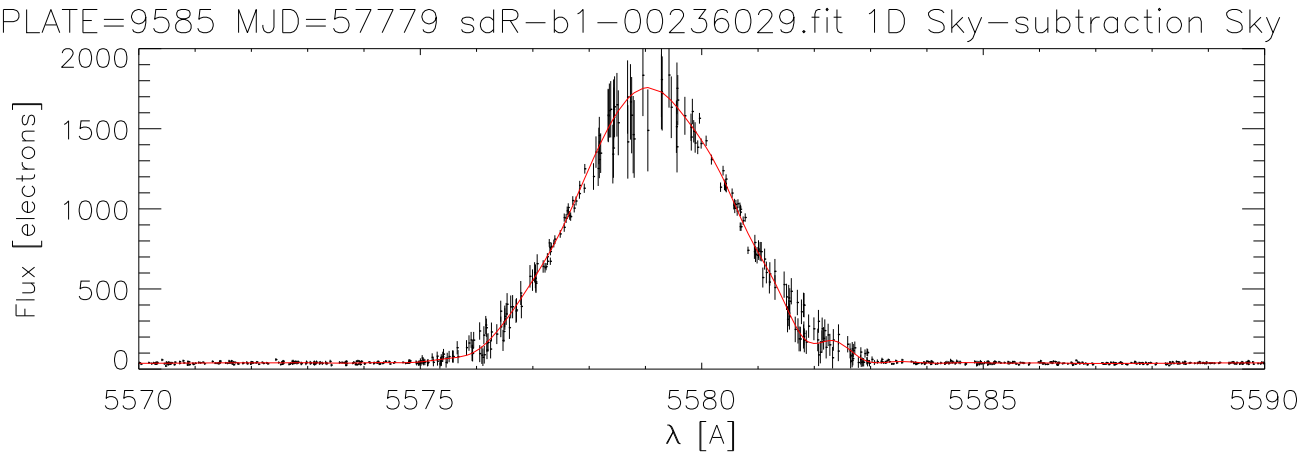

PLATE=9585 MJD=57779 Fiber-Flats for sdR-b1-00236027.fit
BLACK = Median value
ENVELOPE = 95% of points
GREEN = Outlier points
Min value = -69.160
Max value = 8.467
Fiber-Flat
1.5
1.0
0.5
0.0
3000
4000
5000
6000
7000
λ [A]
Fri May 15 20:27:08 2020

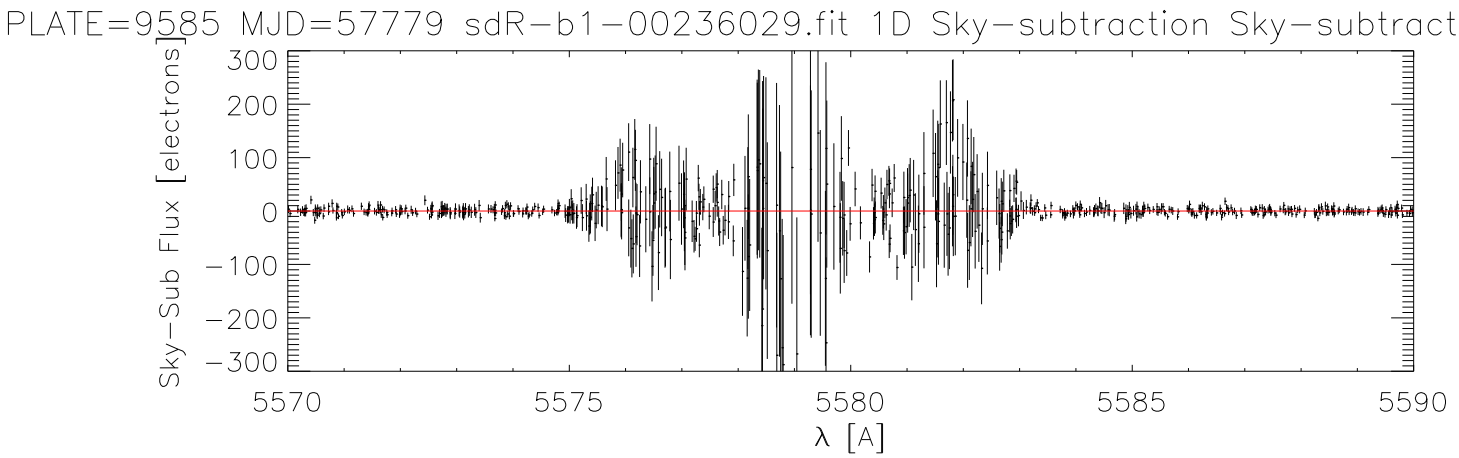

PLATE=9585 MJD=57779 Extraction chi^2 for sdR-b1-00236029.fit
BLACK = Final chisq extraction
χ^2
1.0
0.8
0.6
0.4
0.2
0.0
0
1000
2000
3000
4000
Row number


PLATE=9585 MJD=57779 Sky Line Deviations for sdR-b1-00236029.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

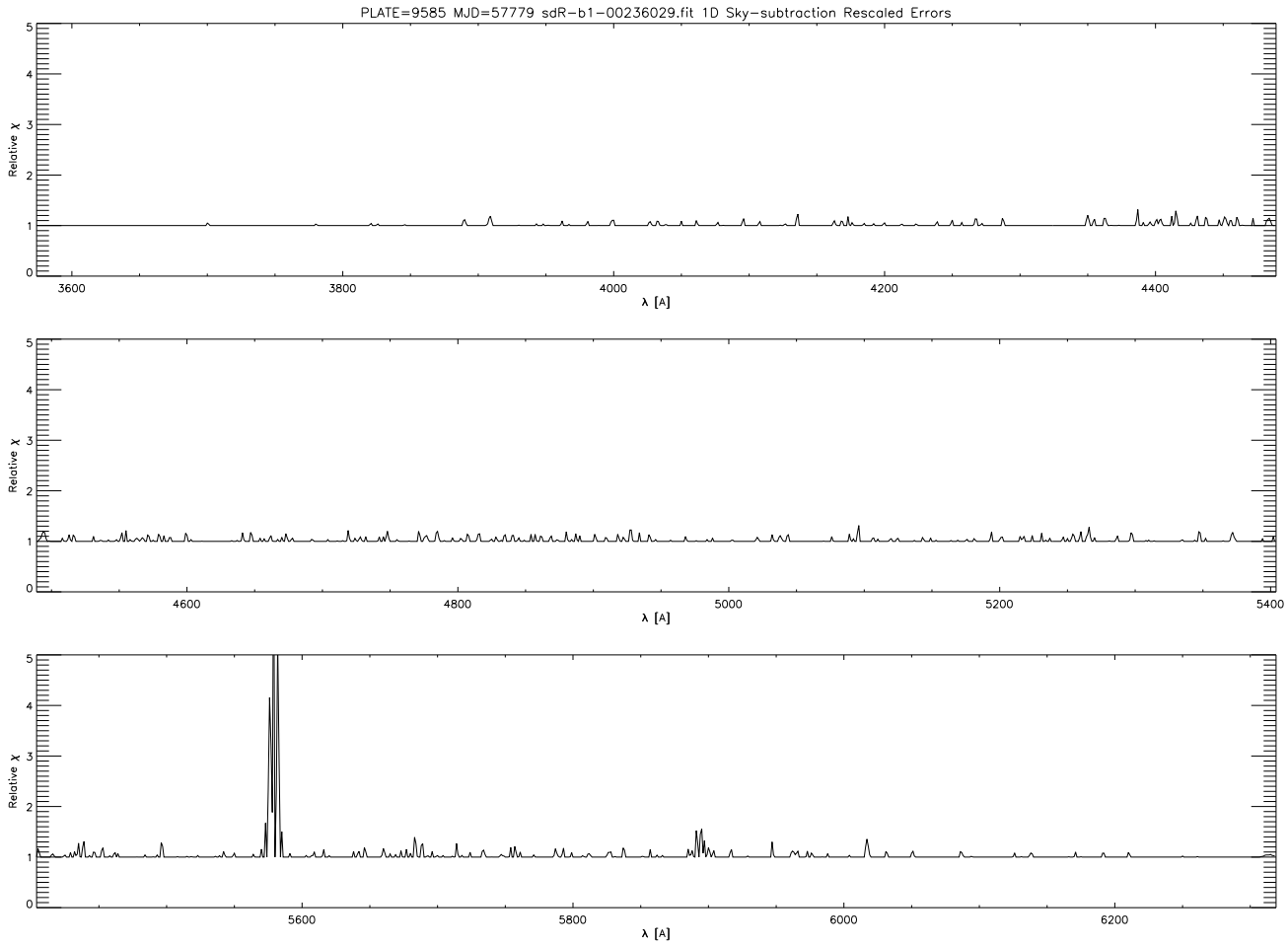

PLATE=9585 MJD=57779 Smooth superflat for sdR-b1-00236029.fit
2.5
2.0
1.5
1.0
0.5
0.0
1.04
1.02
1.00
0.98
0.96
3000
4000
5000
6000
7000
Wavelength (Å)

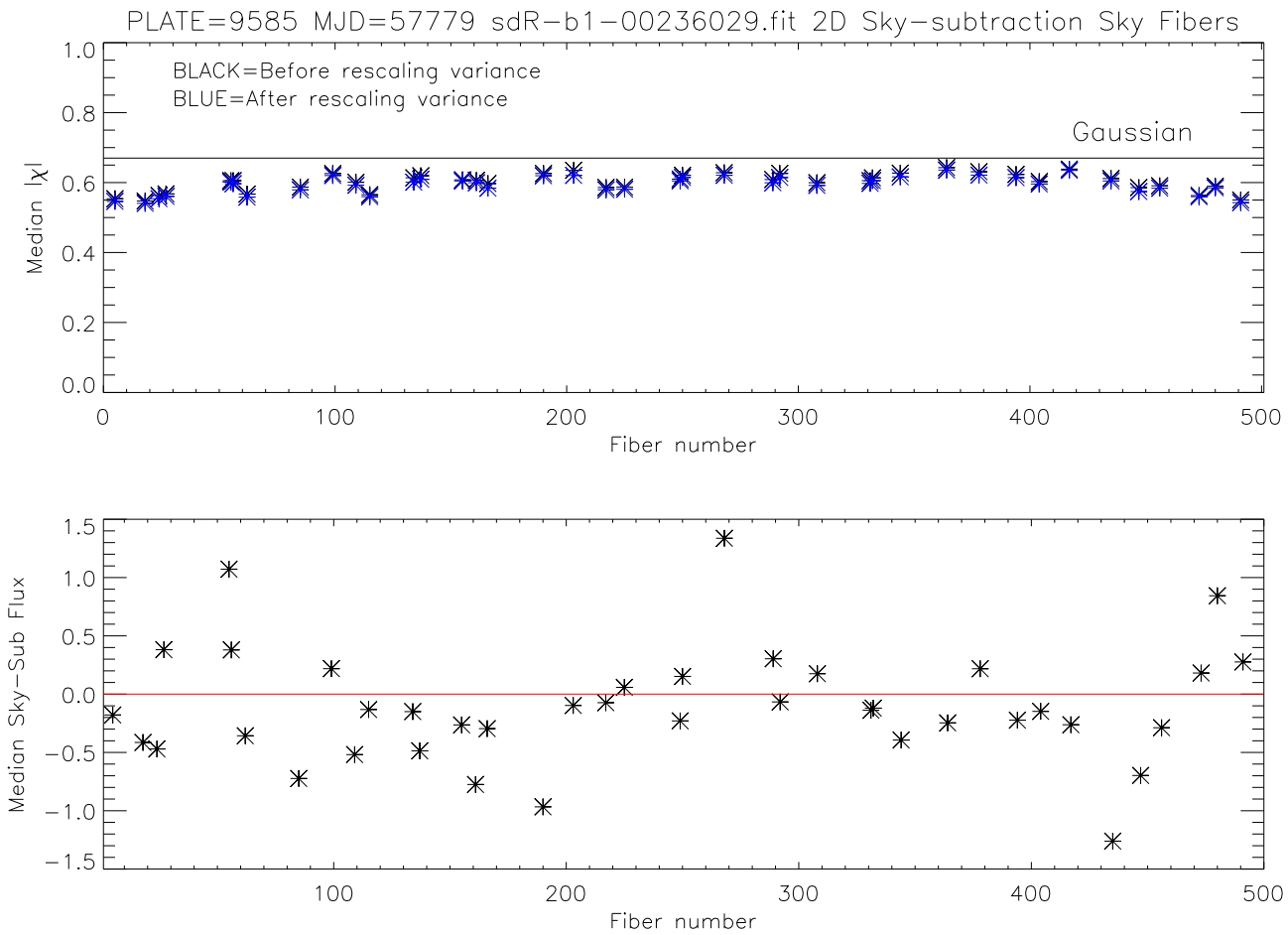

PLATE=9585 MJD=57779 sdR-b1-00236029.fit 1D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

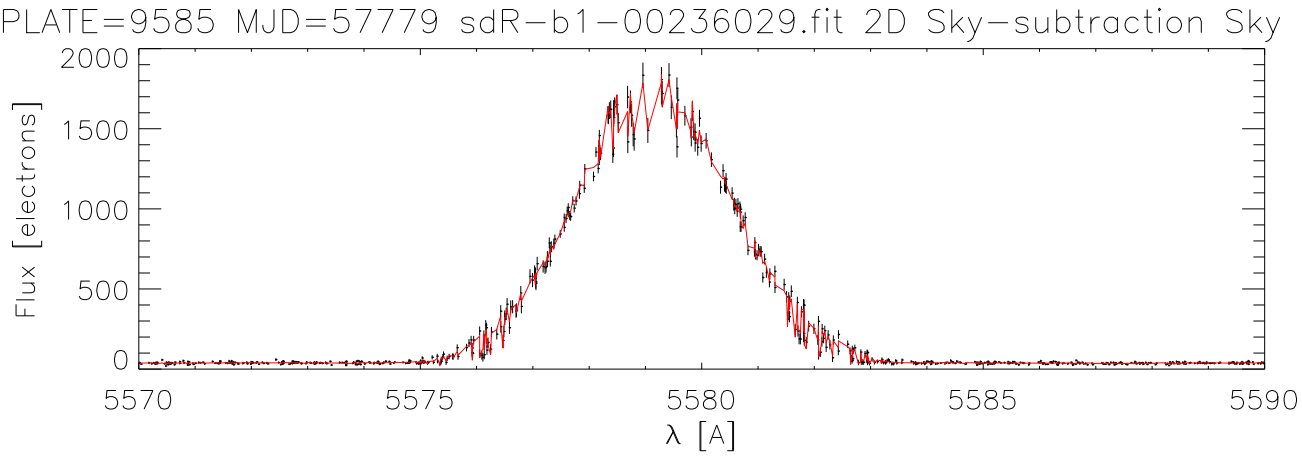

PLATE=9585 MJD=57779 sdR-b1-00236029.fit 1D Sky-subtraction Sky Fibers
Flux [electrons]
2000
1500
1000
500
0
5570
5575
5580
5585
5590
λ [A]

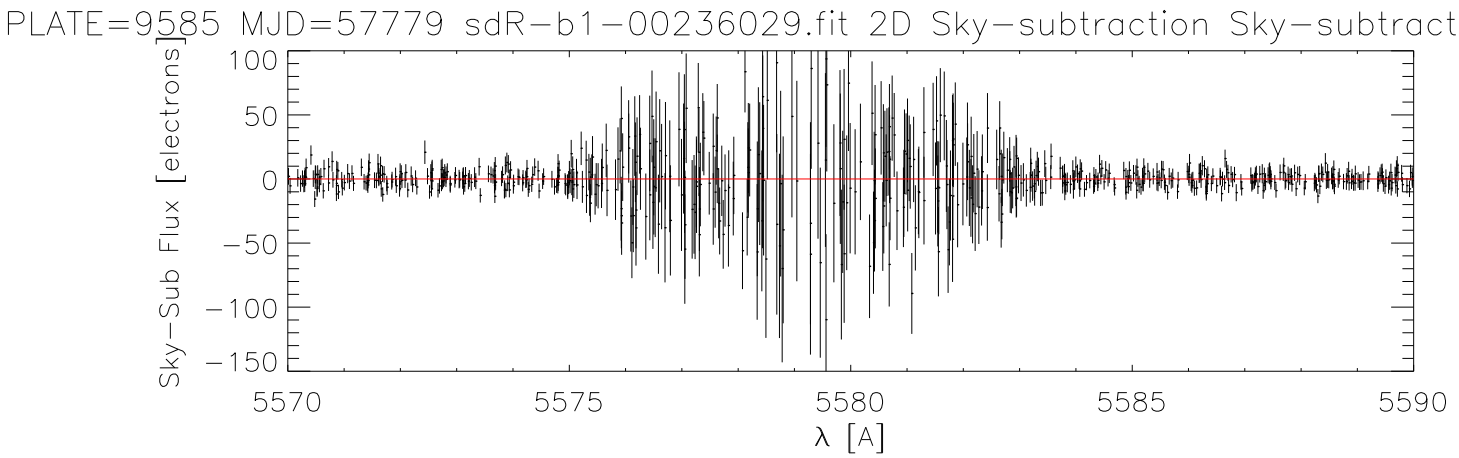

PLATE=9585 MJD=57779 sdR-b1-00236029.fit 1D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
300
200
100
0
-100
-200
-300
5570
5575
5580
5585
5590
λ [A]

Number of sky fibers = 40

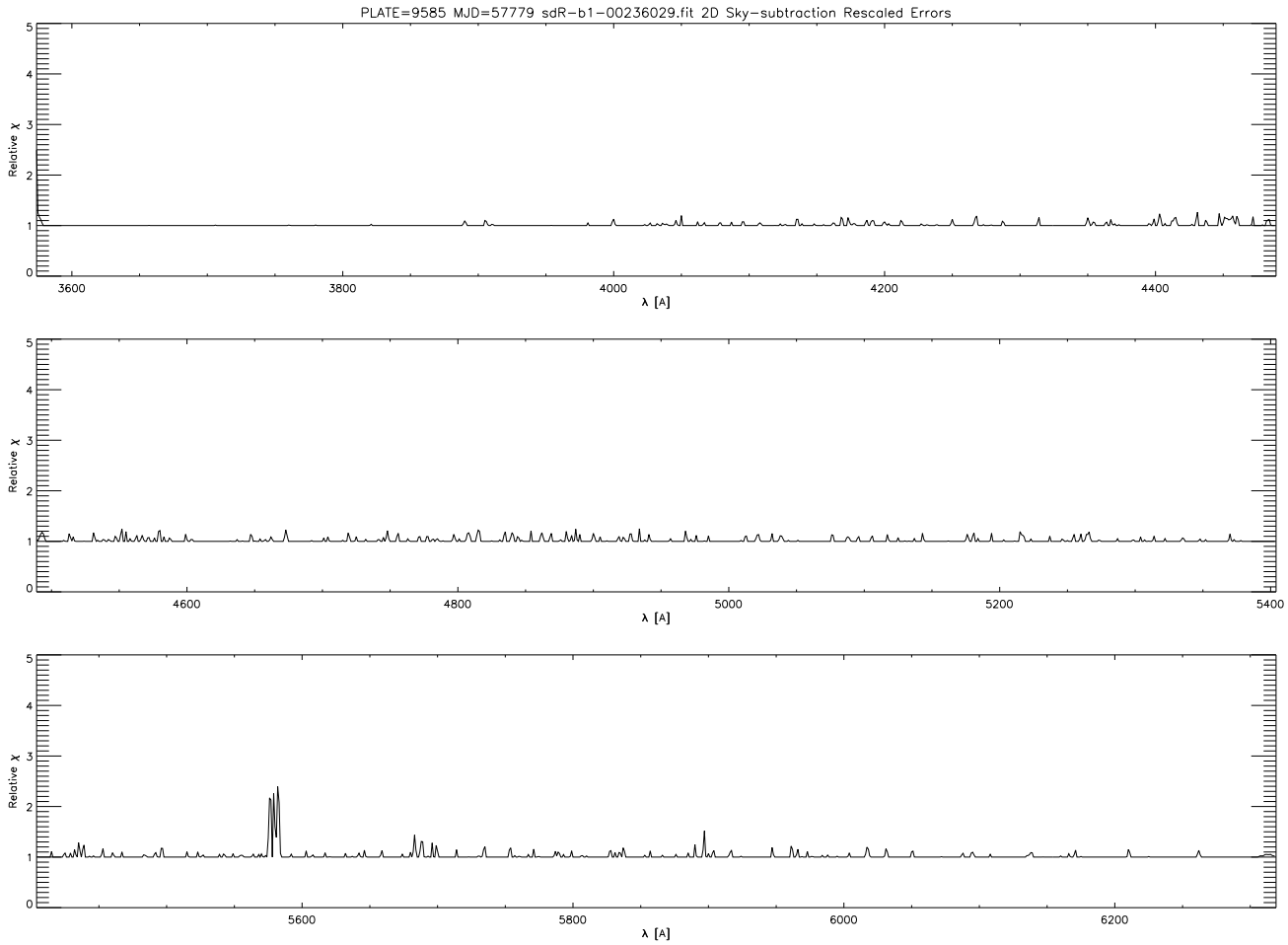


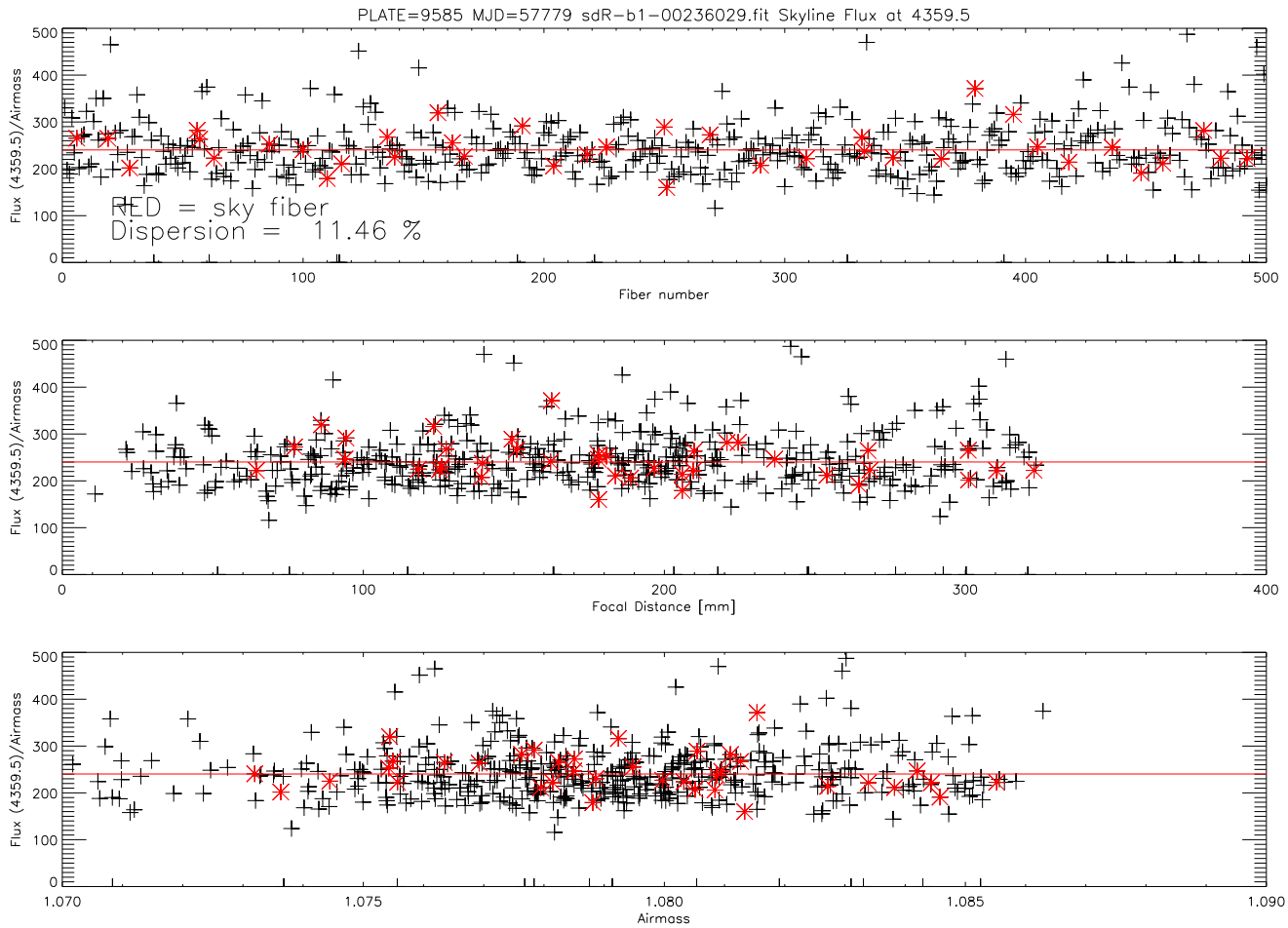

PLATE=9585 MJD=57779 sdR-b1-00236029.fit 2D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

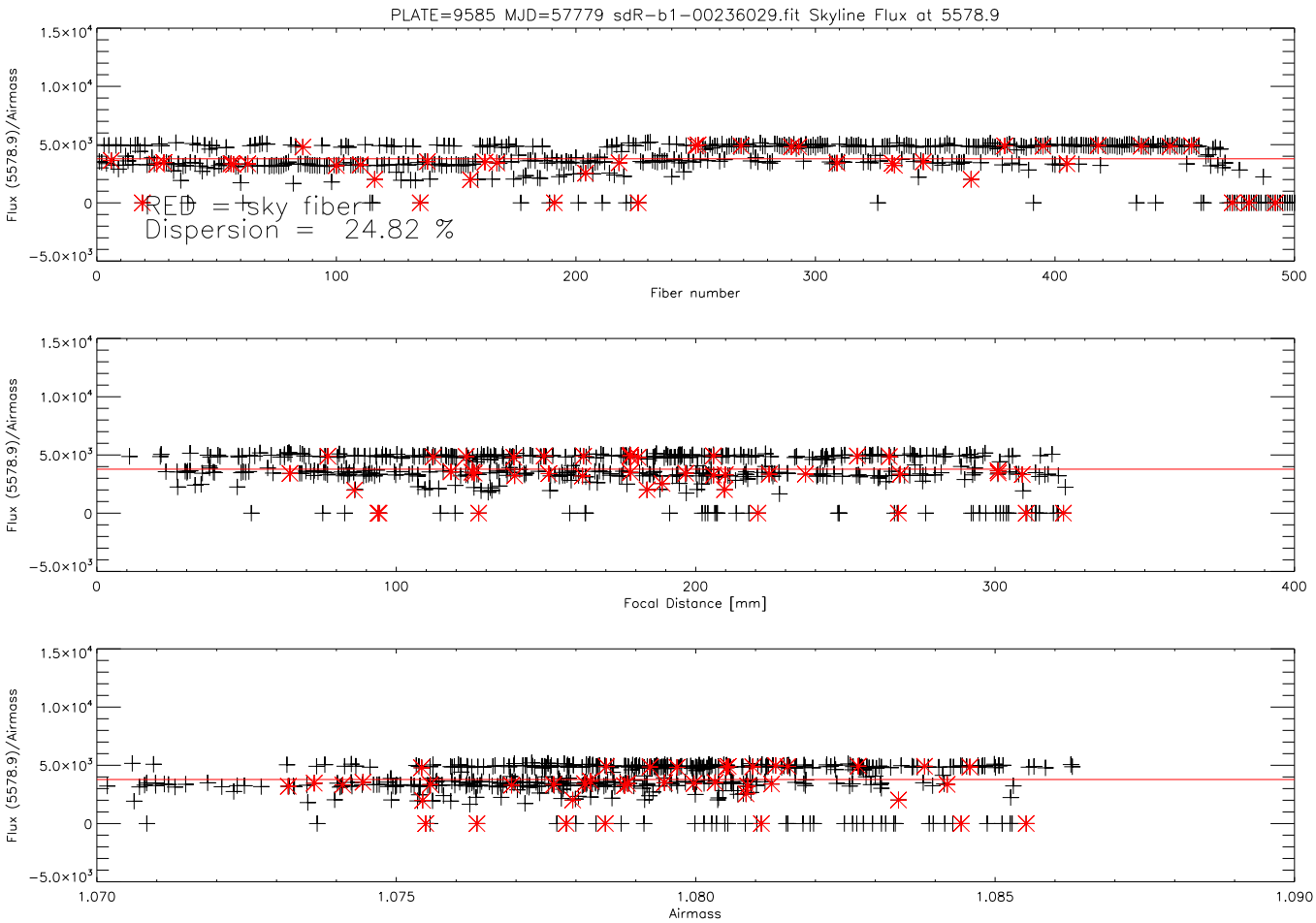

PLATE=9585 MJD=57779 sdR-b1-00236029.fit 2D Sky-subtraction Sky Fibers
Flux [electrons]
2000
1500
1000
500
0
5570
5575
5580
5585
5590
λ [A]

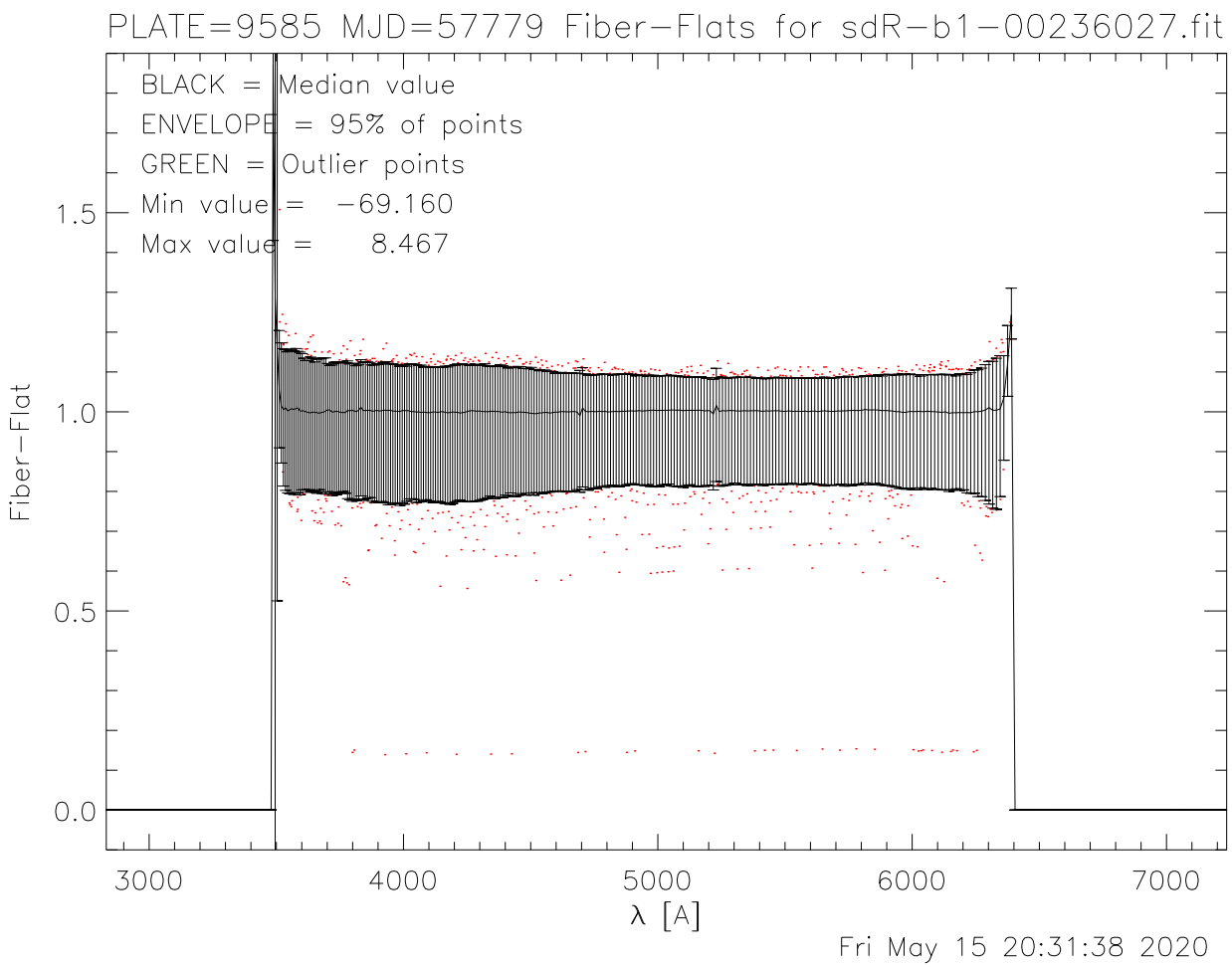

PLATE=9585 MJD=57779 sdR-b1-00236029.fit 2D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
100
50
0
−50
−100
−150
5570
5575
5580
5585
5590
λ [A]

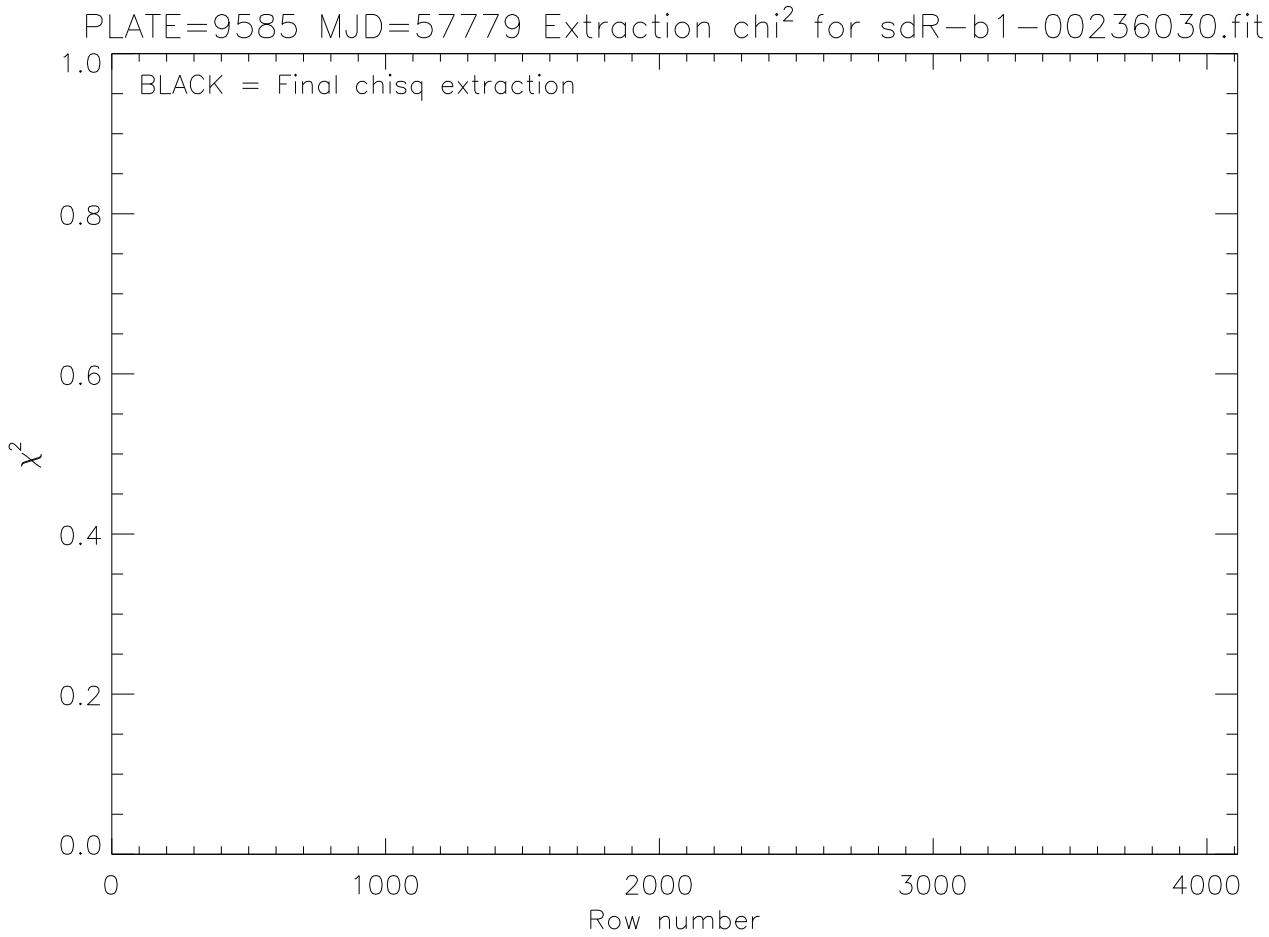
Number of sky fibers = 40

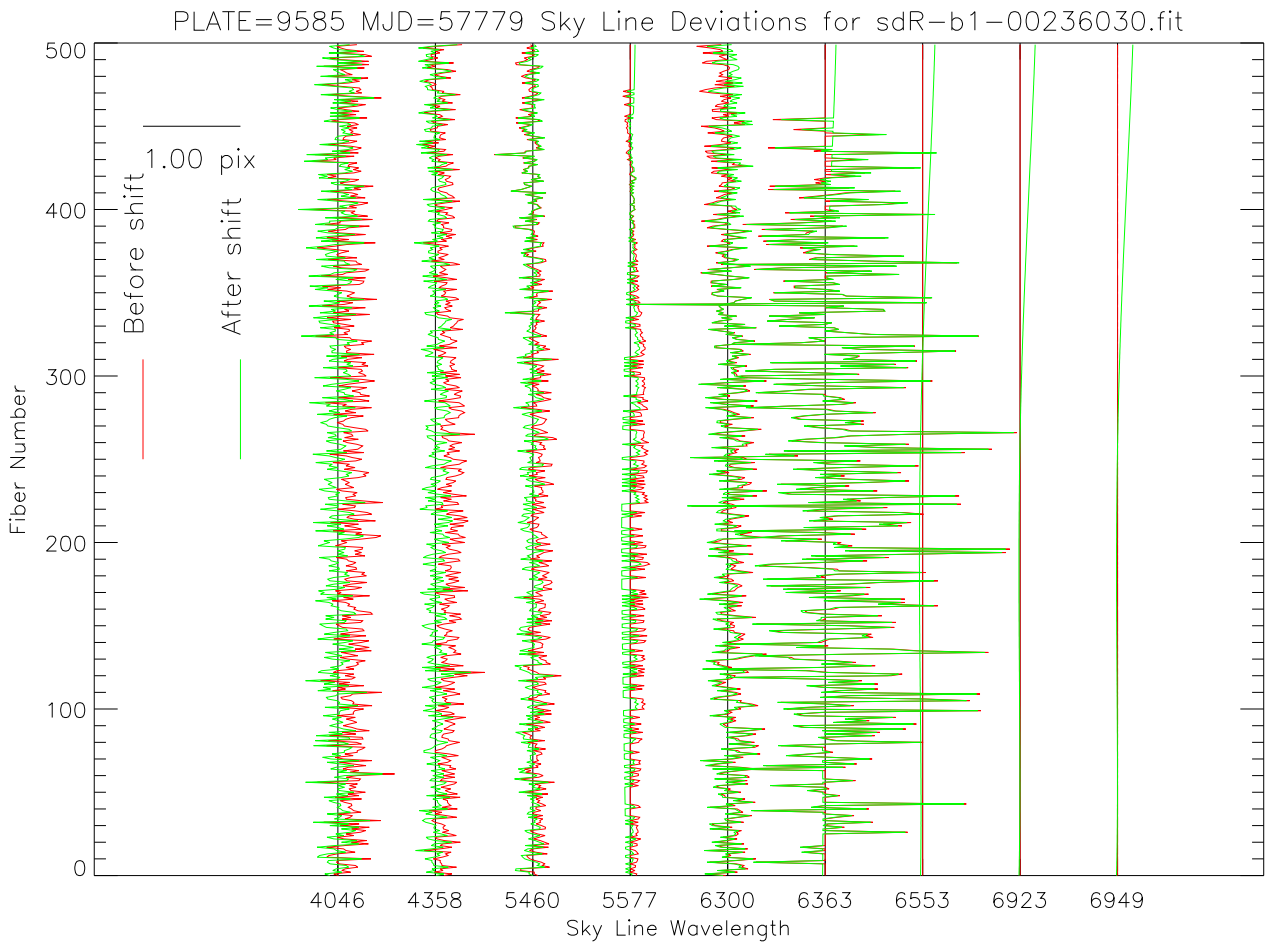


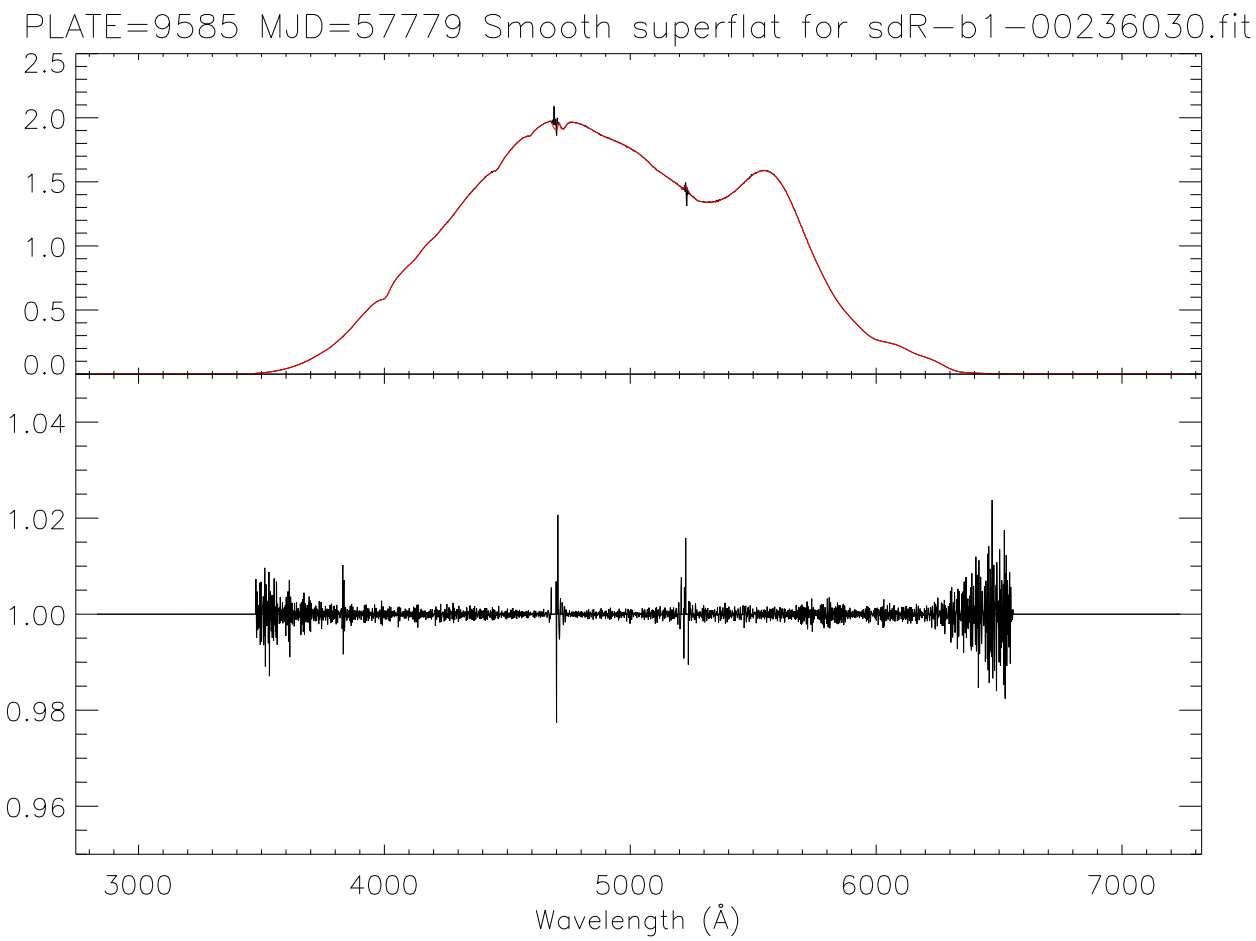

PLATE=9585 MJD=57779 sdR-b1-00236029.fit Skyline Flux at 4359.5
Flux (4359.5)/Airmass
RED = sky fiber
Dispersion = 11.46 %
Fiber number
Flux (4359.5)/Airmass
Focal Distance [mm]
Flux (4359.5)/Airmass
Airmass

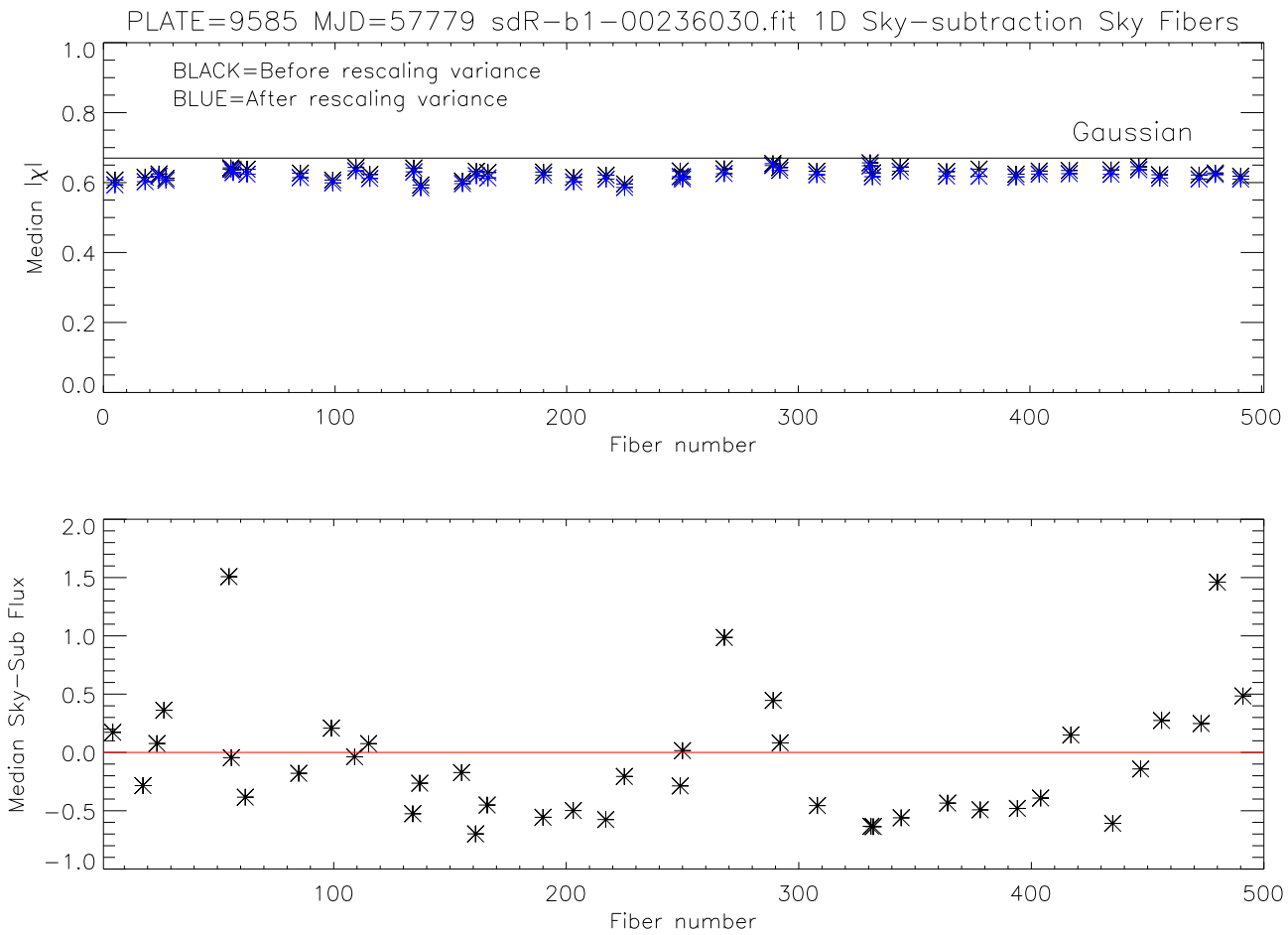

PLATE=9585 MJD=57779 sdR-b1-00236029.fit Skyline Flux at 5578.9
Flux (5578.9)/Airmass
1.5×10⁴
1.0×10⁴
5.0×10³
0
−5.0×10³
RED = sky fiber
Dispersion = 24.82 %
0
100
200
300
400
500
Fiber number
Flux (5578.9)/Airmass
Focal Distance [mm]
Flux (5578.9)/Airmass
1.070
1.075
1.080
1.085
1.090
Airmass

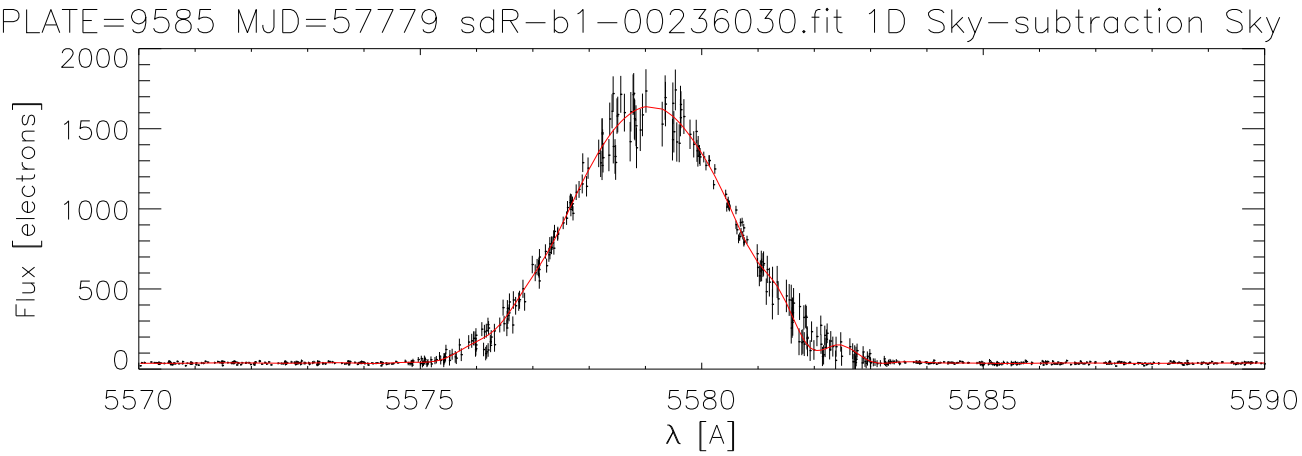

PLATE=9585 MJD=57779 Fiber-Flats for sdR-b1-00236027.fit
BLACK = Median value
ENVELOPE = 95% of points
GREEN = Outlier points
Min value = -69.160
Max value = 8.467
Fiber-Flat
1.5
1.0
0.5
0.0
3000
4000
5000
6000
7000
λ [A]
Fri May 15 20:31:38 2020

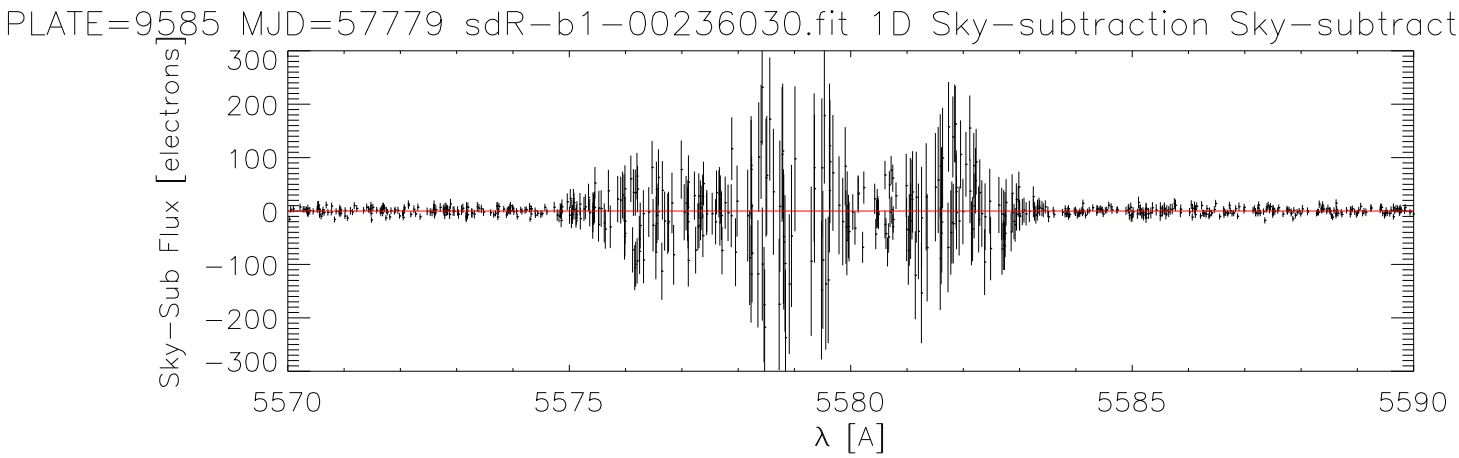

PLATE=9585 MJD=57779 Extraction chi^2 for sdR−b1−00236030.fit
BLACK = Final chisq extraction
χ^2
1.0
0.8
0.6
0.4
0.2
0.0
0
1000
2000
3000
4000
Row number


PLATE=9585 MJD=57779 Sky Line Deviations for sdR-b1-00236030.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

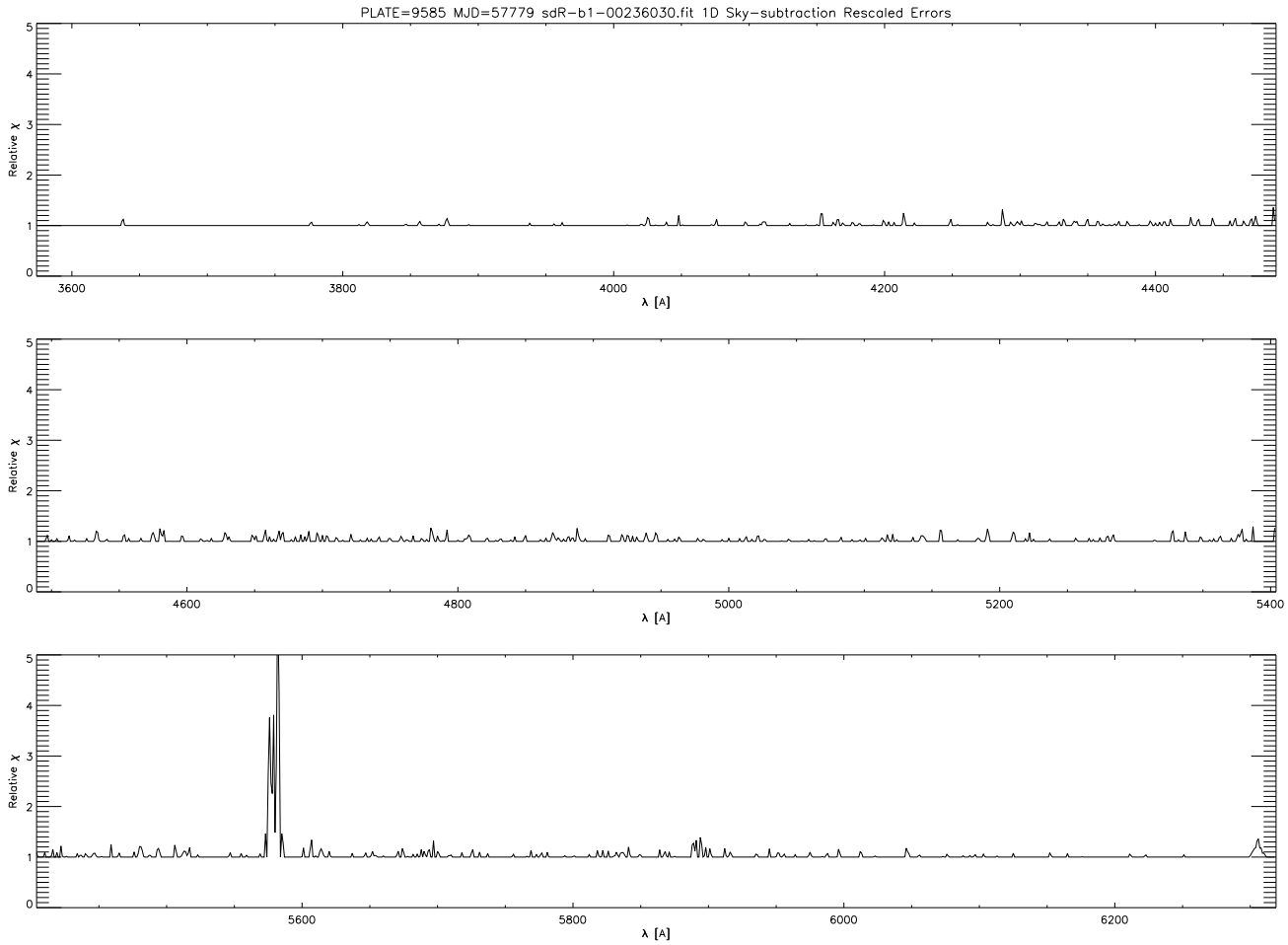

PLATE=9585 MJD=57779 Smooth superflat for sdR-b1-00236030.fit
2.5
2.0
1.5
1.0
0.5
0.0
1.04
1.02
1.00
0.98
0.96
3000
4000
5000
6000
7000
Wavelength (Å)

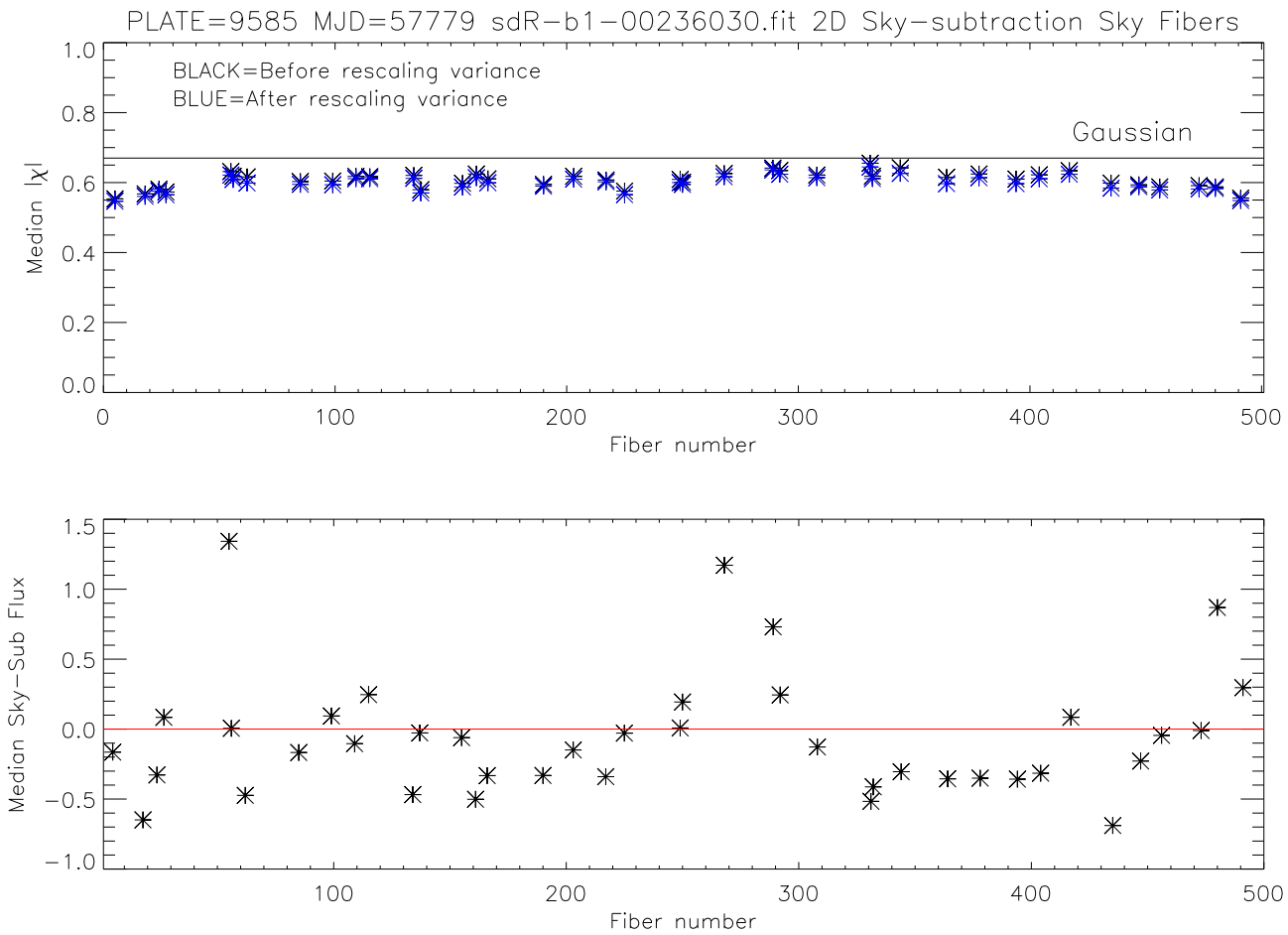

PLATE=9585 MJD=57779 sdR-b1-00236030.fit 1D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

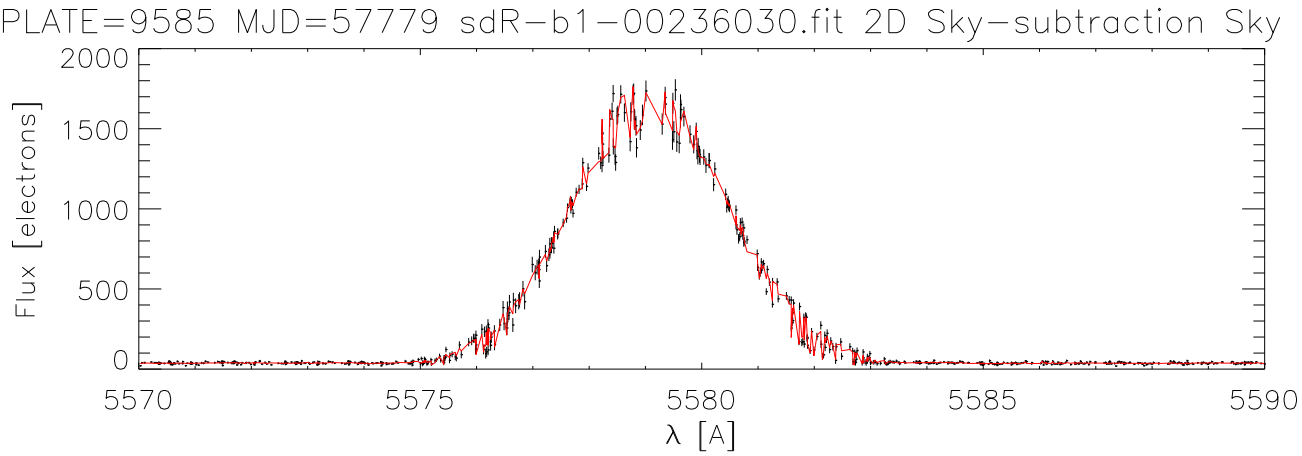

PLATE=9585 MJD=57779 sdR-b1-00236030.fit 1D Sky-subtraction Sky Fibers
Flux [electrons]
2000
1500
1000
500
0
5570
5575
5580
5585
5590
λ [A]

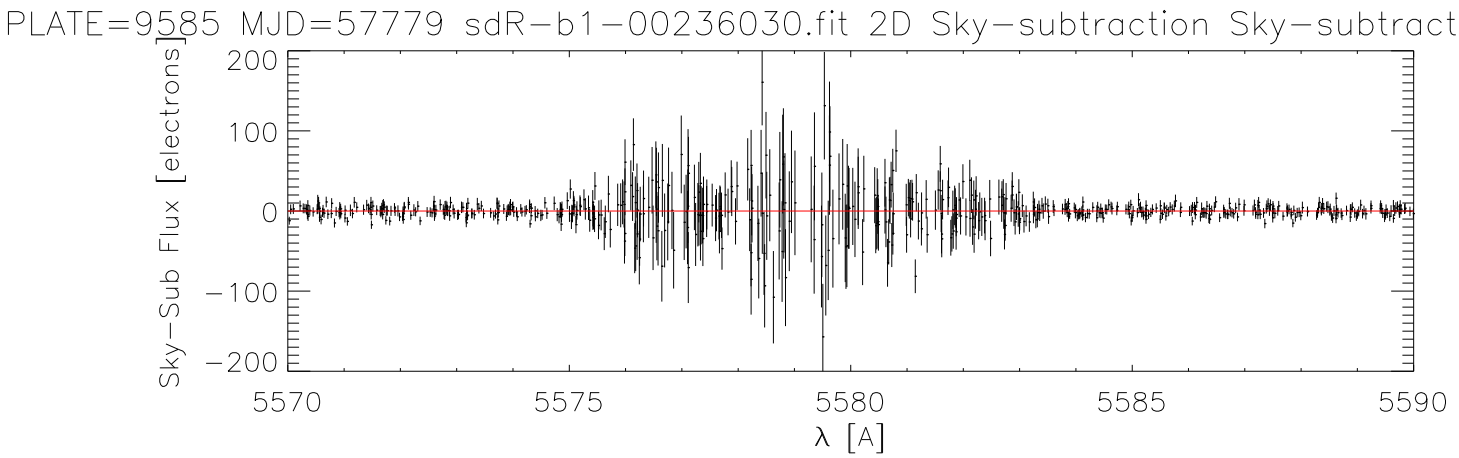

PLATE=9585 MJD=57779 sdR-b1-00236030.fit 1D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
300
200
100
0
-100
-200
-300
5570
5575
5580
5585
5590
λ [A]

Number of sky fibers = 40

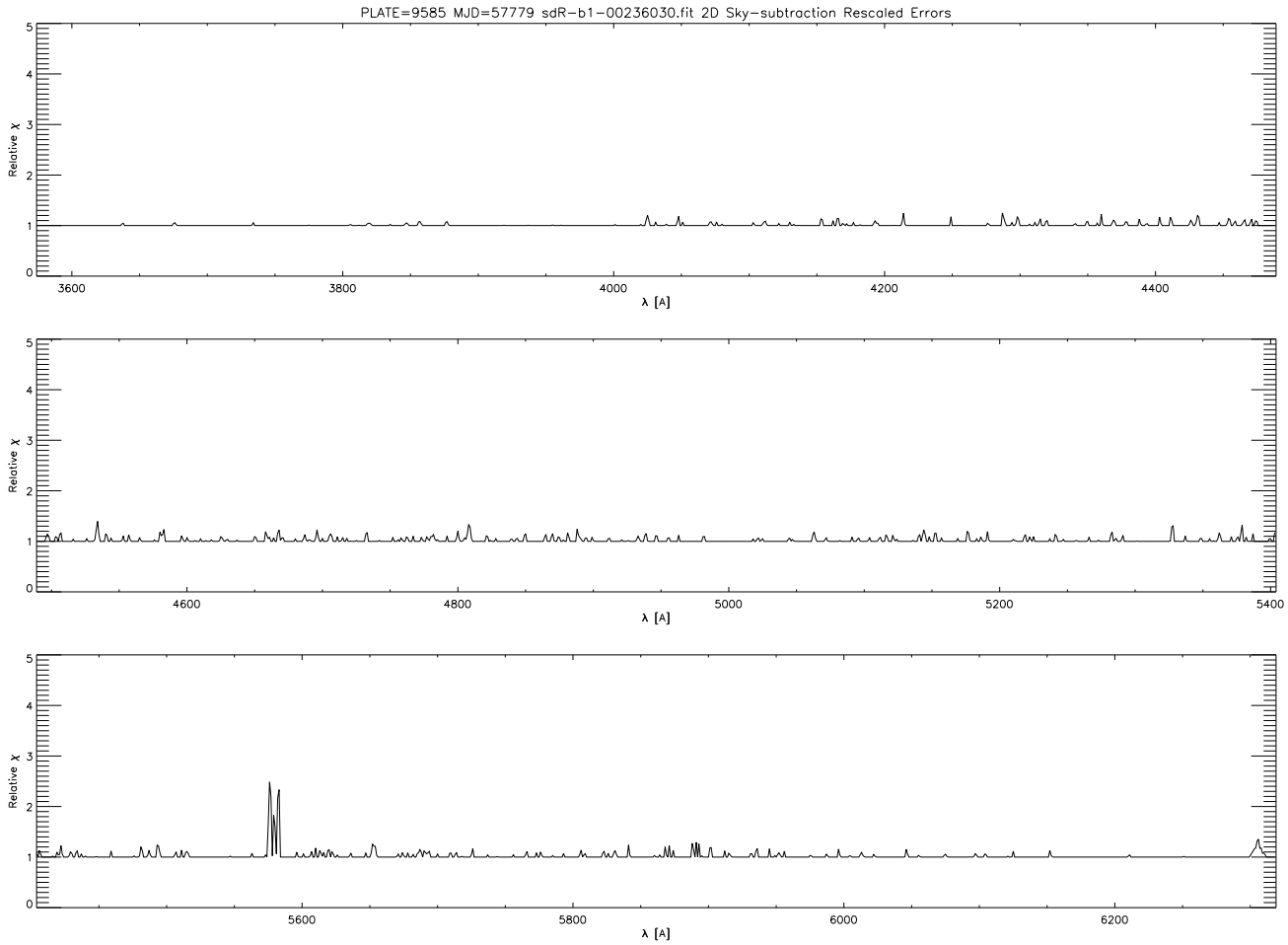


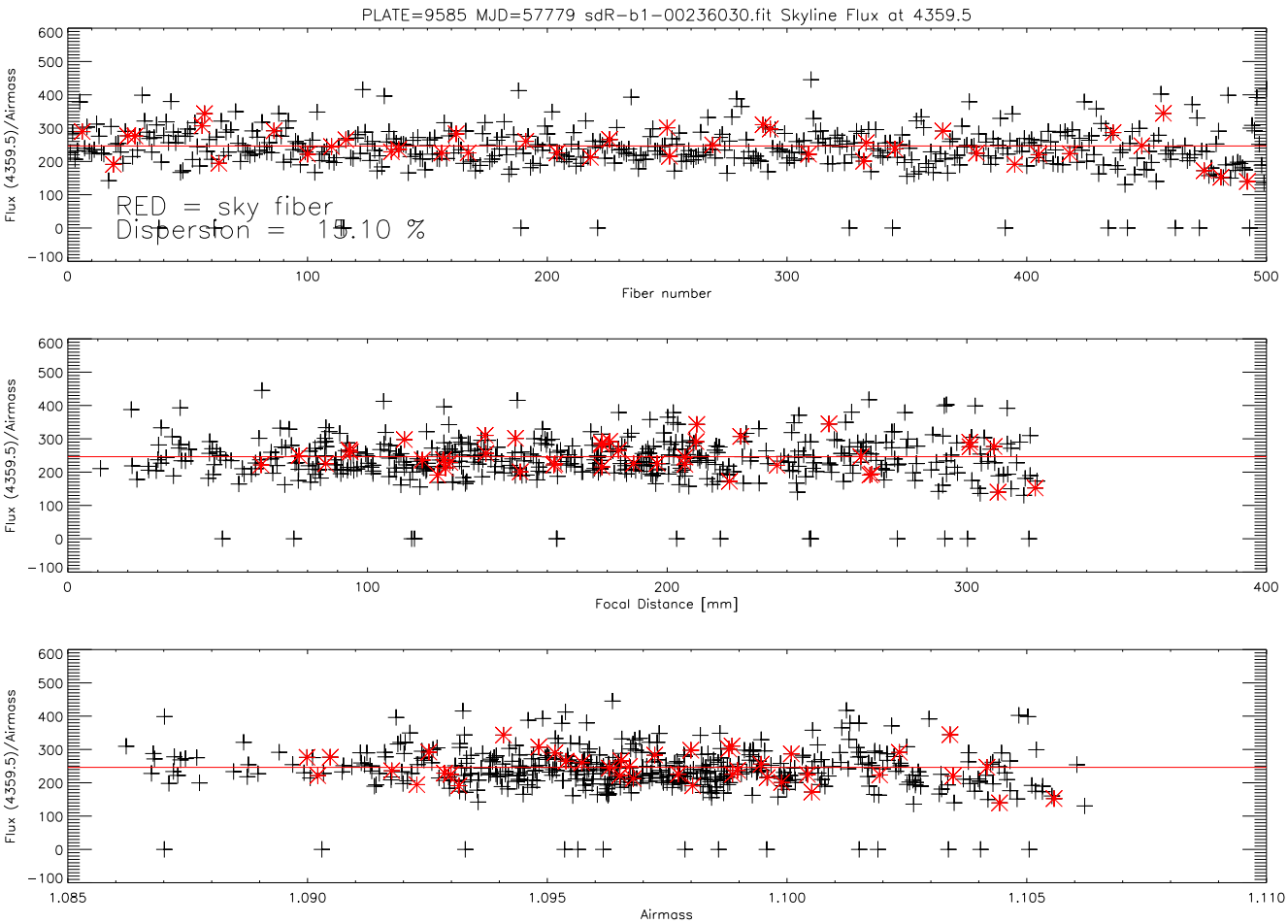

PLATE=9585 MJD=57779 sdR-b1-00236030.fit 2D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

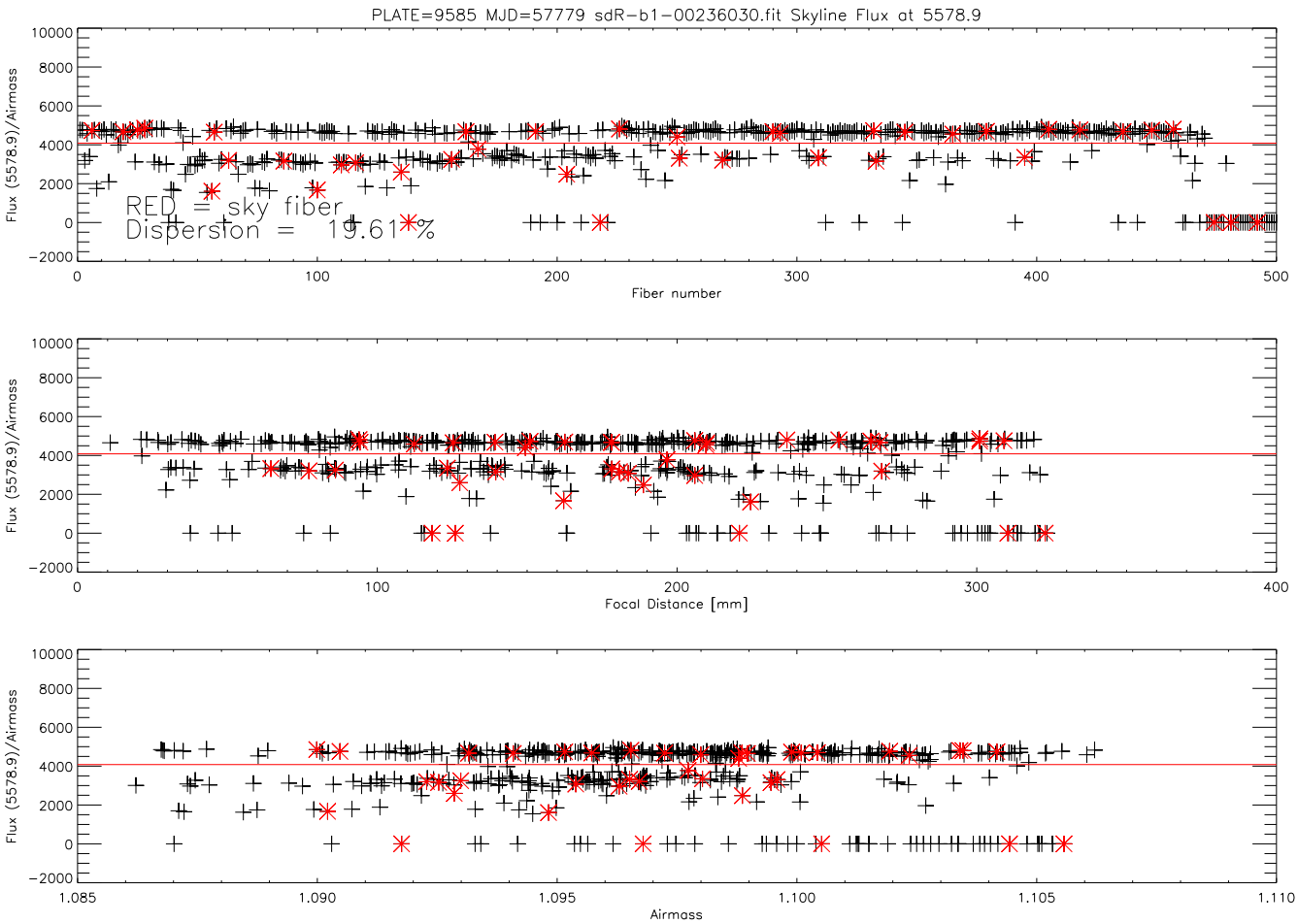

PLATE=9585 MJD=57779 sdR-b1-00236030.fit 2D Sky-subtraction Sky Fibers
Flux [electrons]
2000
1500
1000
500
0
5570
5575
5580
5585
5590
λ [A]

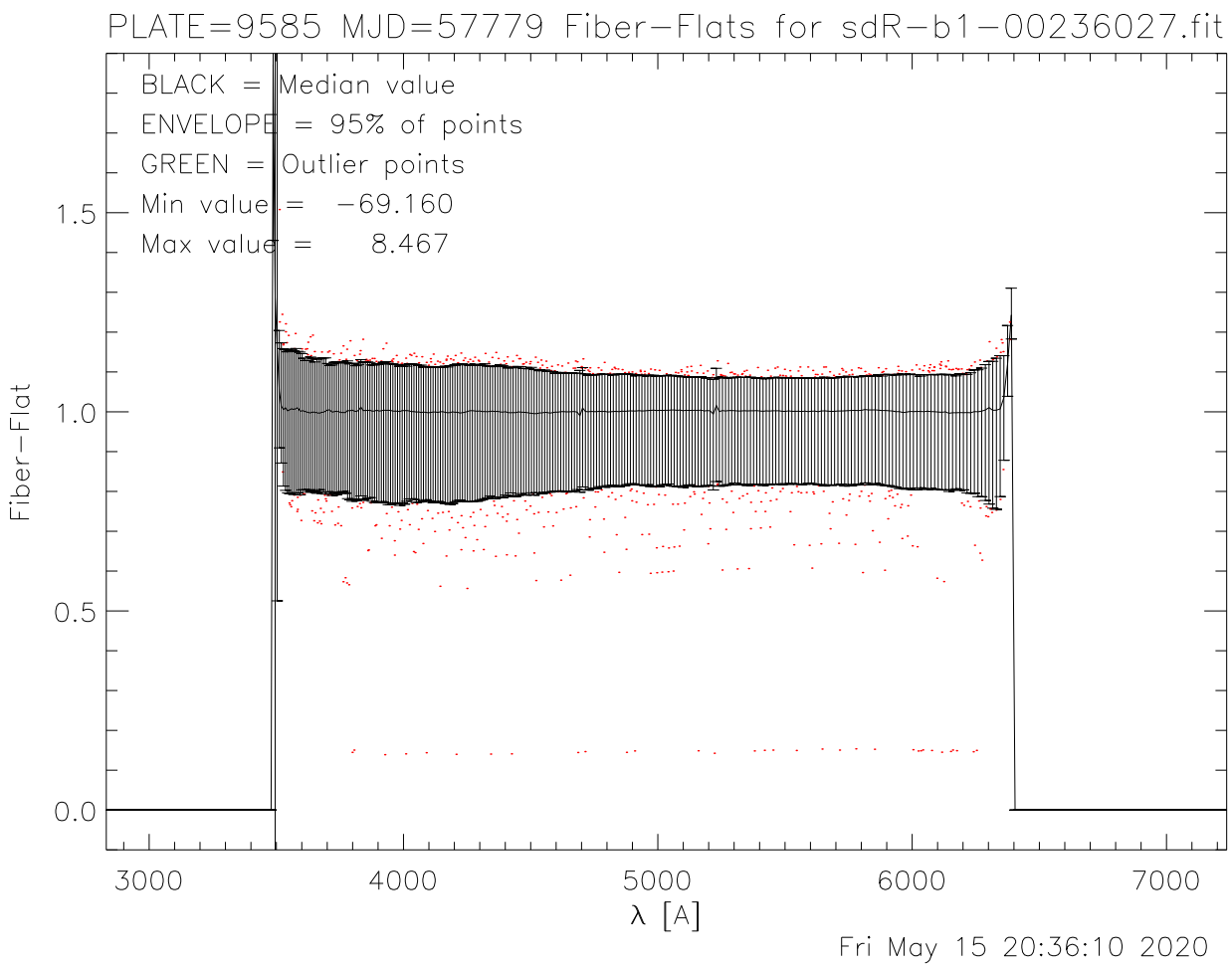

PLATE=9585 MJD=57779 sdR-b1-00236030.fit 2D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
200
100
0
-100
-200
5570
5575
5580
5585
5590
λ [A]

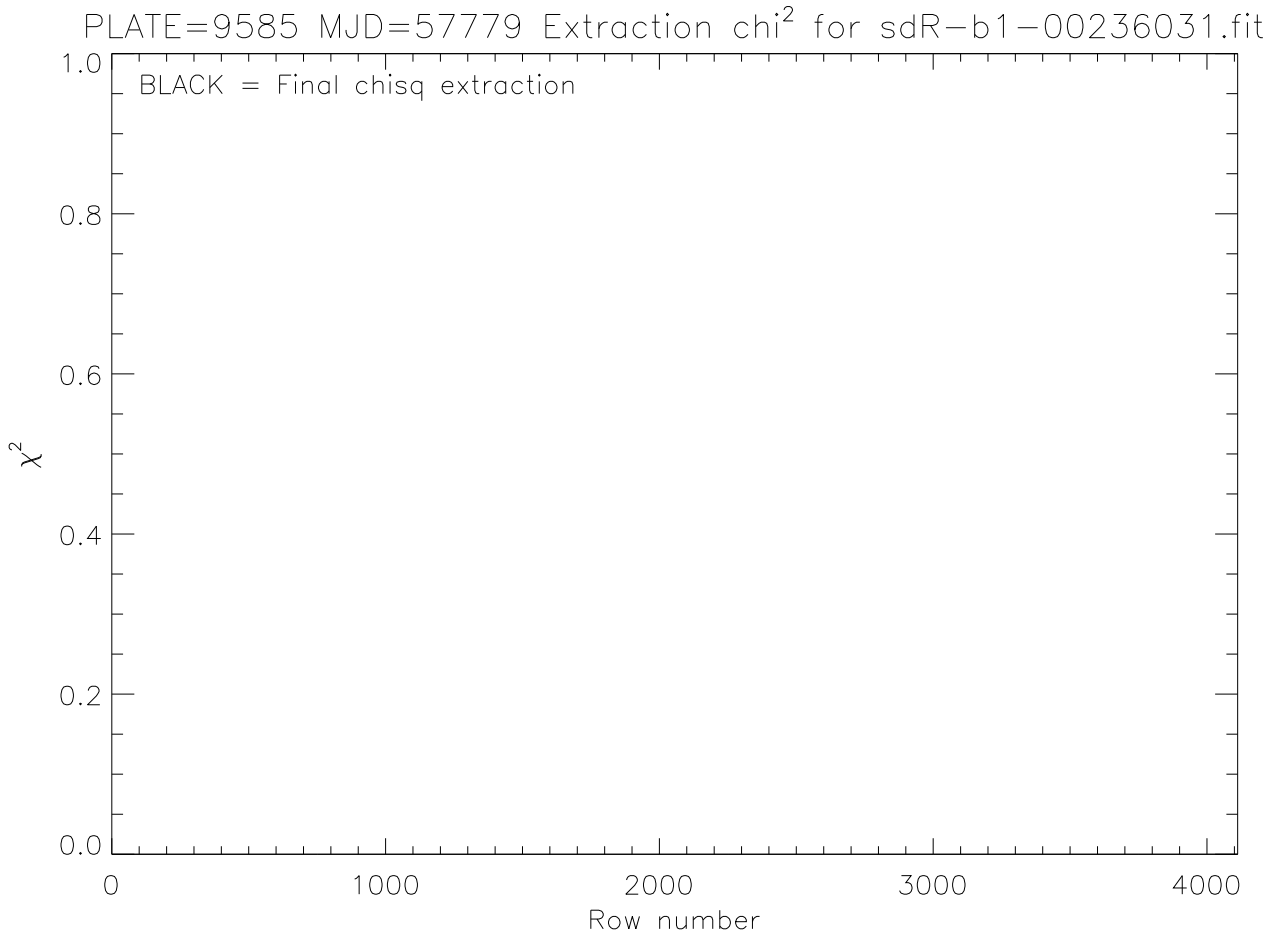
Number of sky fibers = 40

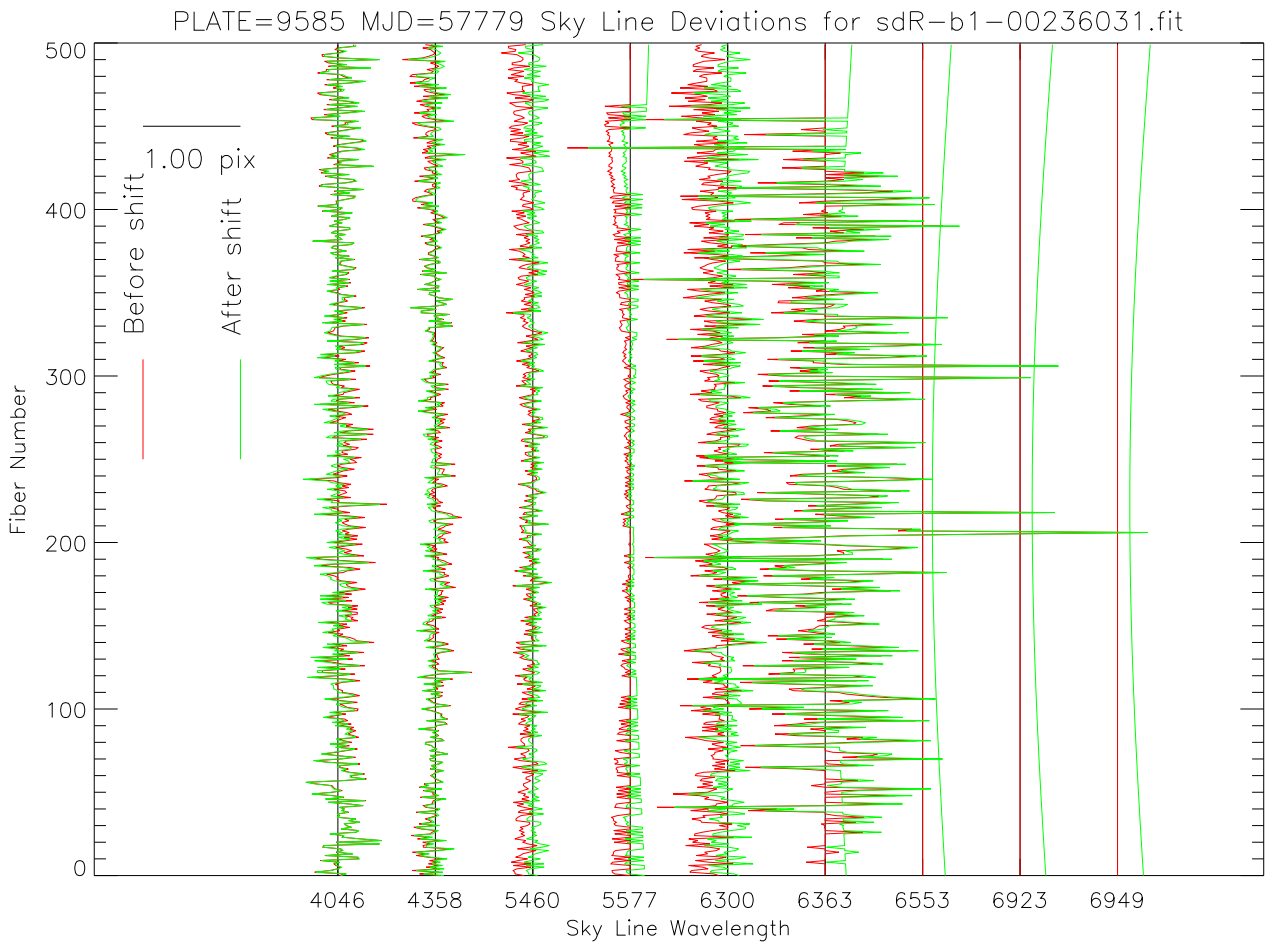


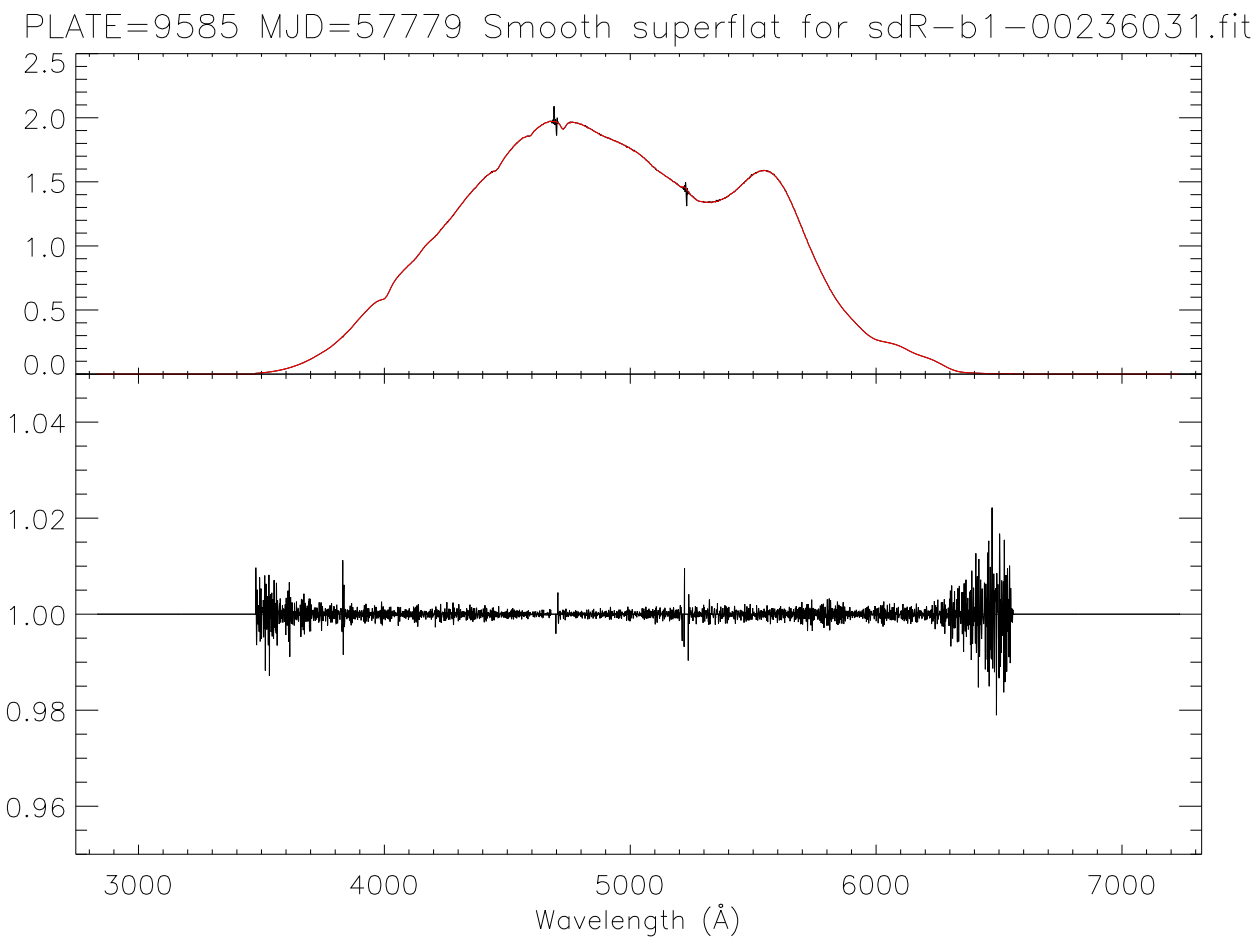

PLATE=9585 MJD=57779 sdR-b1-00236030.fit Skyline Flux at 4359.5
Flux (4359.5)/Airmass
RED = sky fiber
Dispersion = 15.10 %
Fiber number
Flux (4359.5)/Airmass
Focal Distance [mm]
Flux (4359.5)/Airmass
Airmass

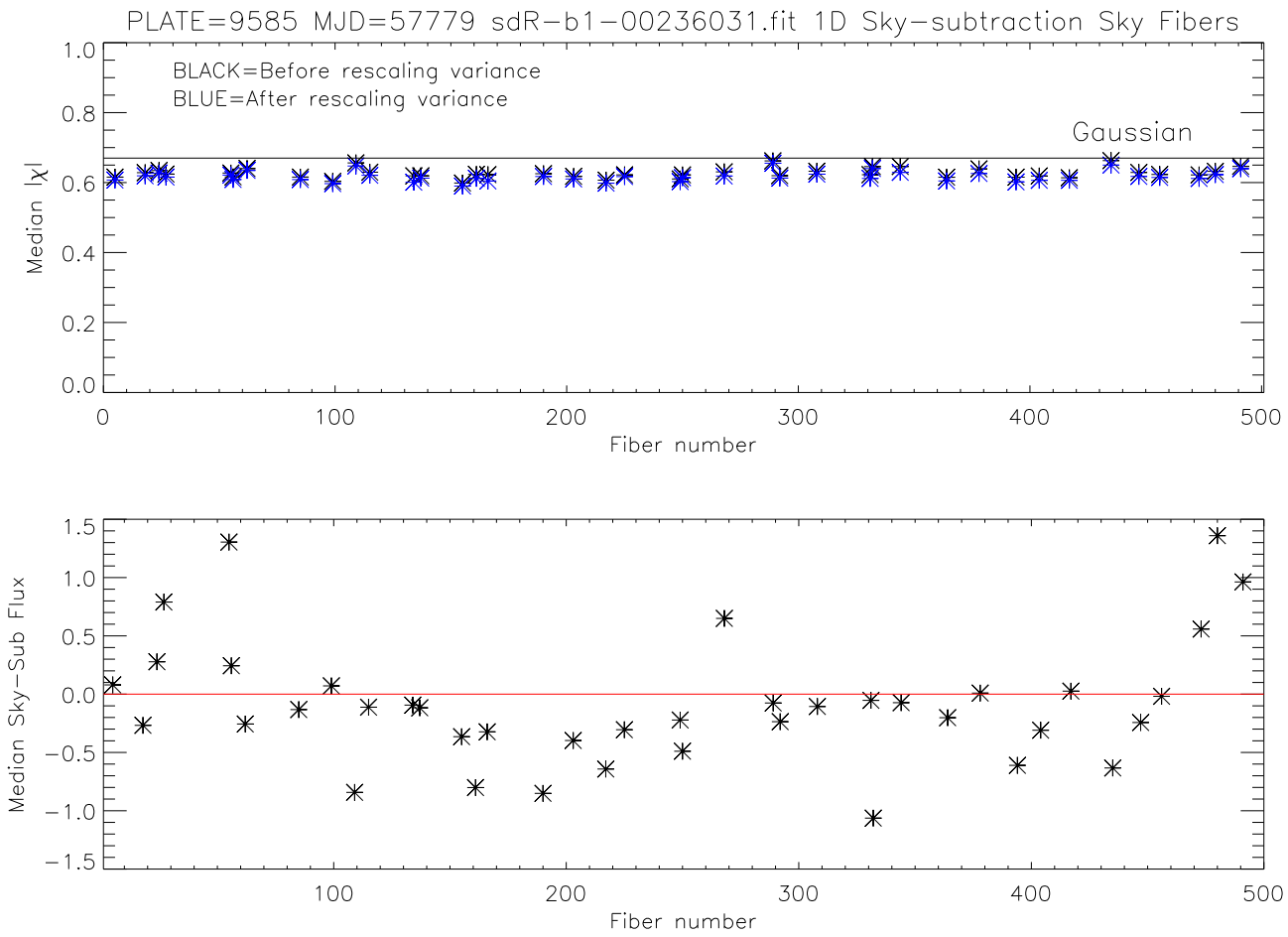

PLATE=9585 MJD=57779 sdR-b1-00236030.fit Skyline Flux at 5578.9
Flux (5578.9)/Airmass
Fiber number
RED = sky fiber
Dispersion = 19.61%
Flux (5578.9)/Airmass
Focal Distance [mm]
Flux (5578.9)/Airmass
Airmass

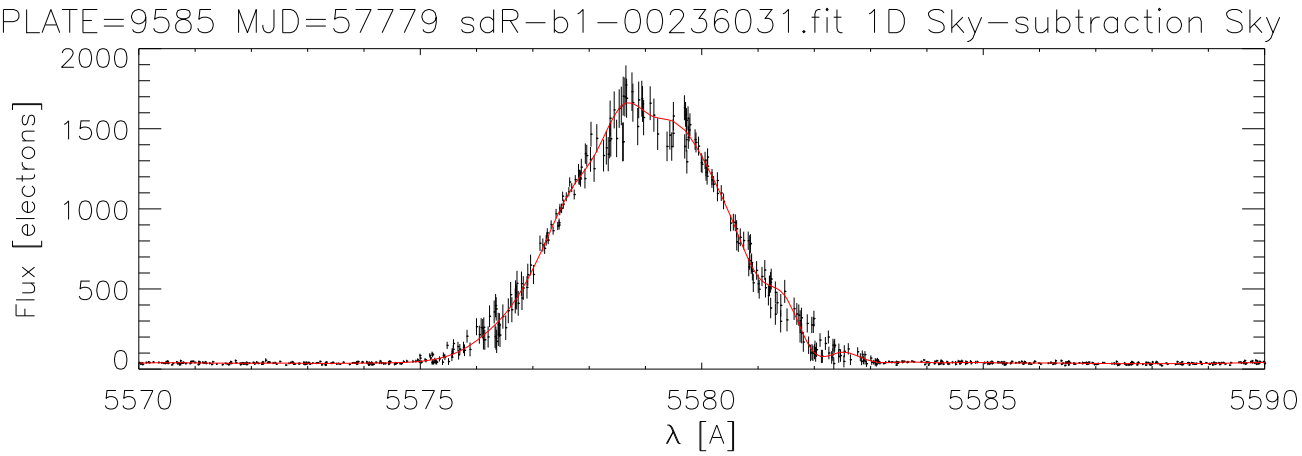

PLATE=9585 MJD=57779 Fiber-Flats for sdR-b1-00236027.fit
BLACK = Median value
ENVELOPE = 95% of points
GREEN = Outlier points
Min value = -69.160
Max value = 8.467
Fiber-Flat
1.5
1.0
0.5
0.0
3000
4000
5000
6000
7000
λ [A]
Fri May 15 20:36:10 2020

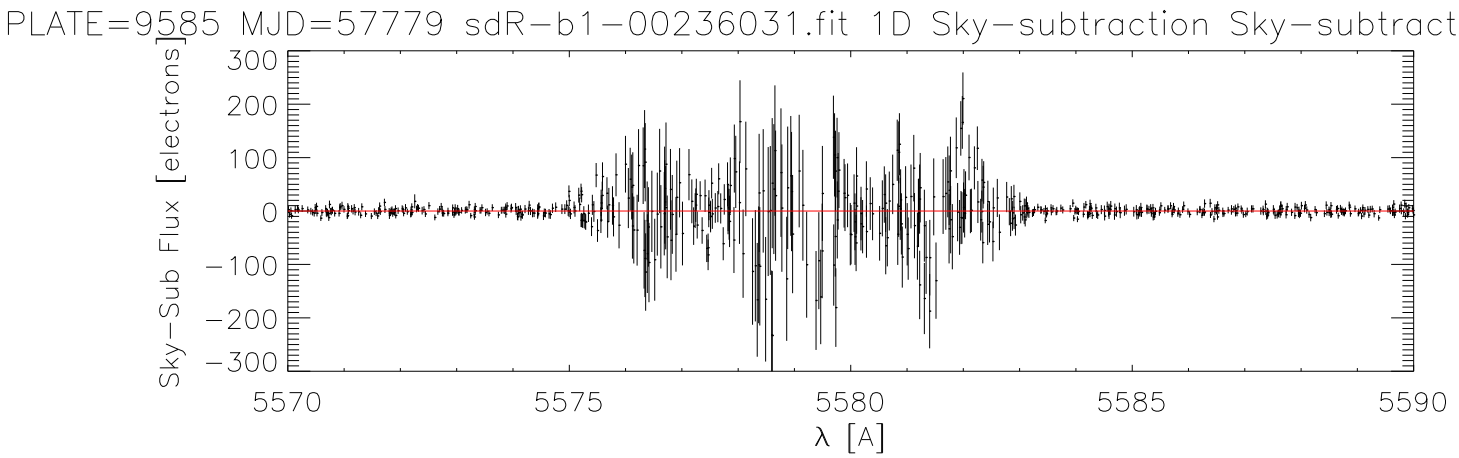

PLATE=9585 MJD=57779 Extraction chi^2 for sdR−b1−00236031.fit
BLACK = Final chisq extraction
χ^2
1.0
0.8
0.6
0.4
0.2
0.0
0
1000
2000
3000
4000
Row number


PLATE=9585 MJD=57779 Sky Line Deviations for sdR-b1-00236031.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

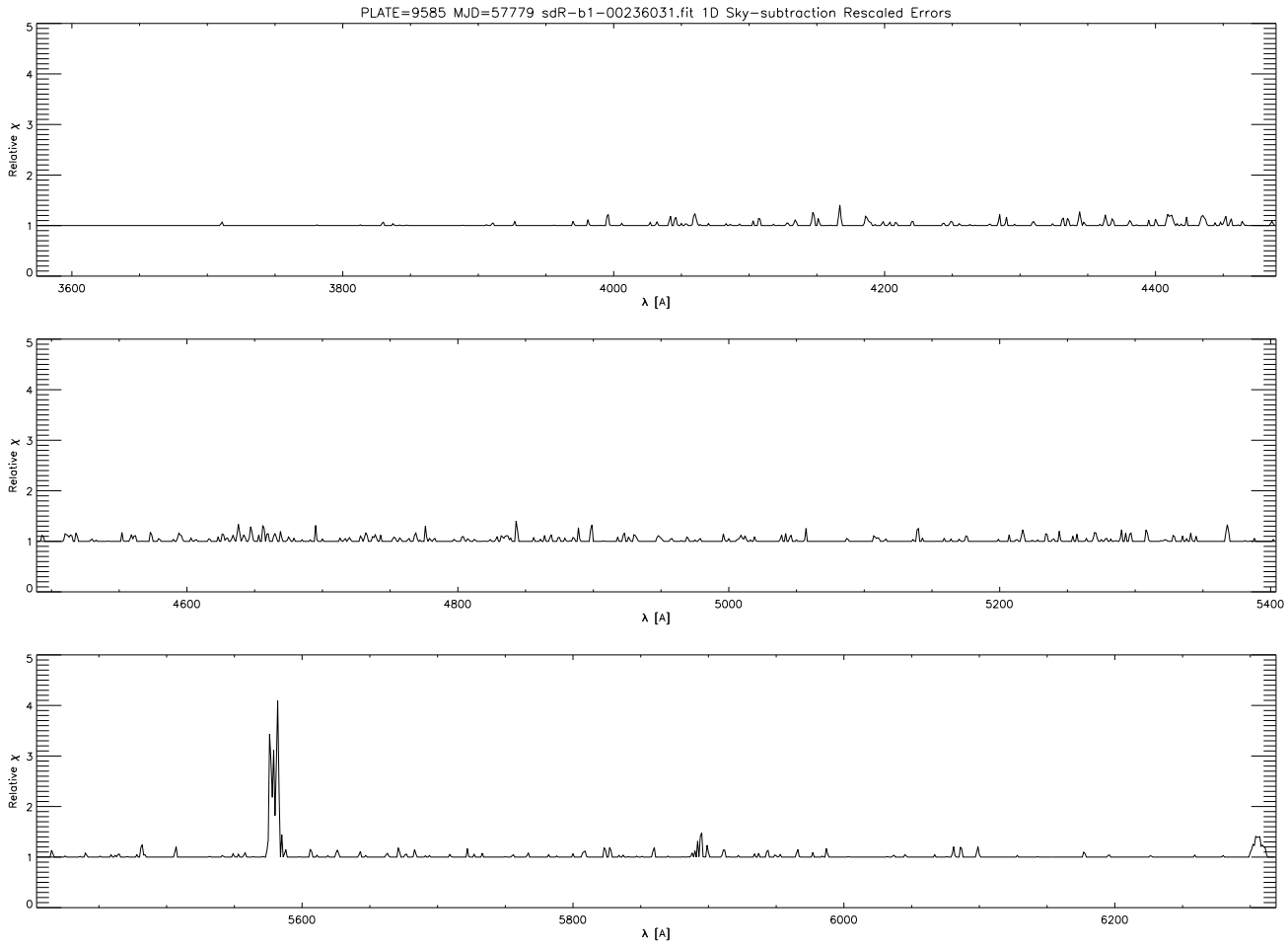

PLATE=9585 MJD=57779 Smooth superflat for sdR-b1-00236031.fit
2.5
2.0
1.5
1.0
0.5
0.0
1.04
1.02
1.00
0.98
0.96
3000
4000
5000
6000
7000
Wavelength (Å)

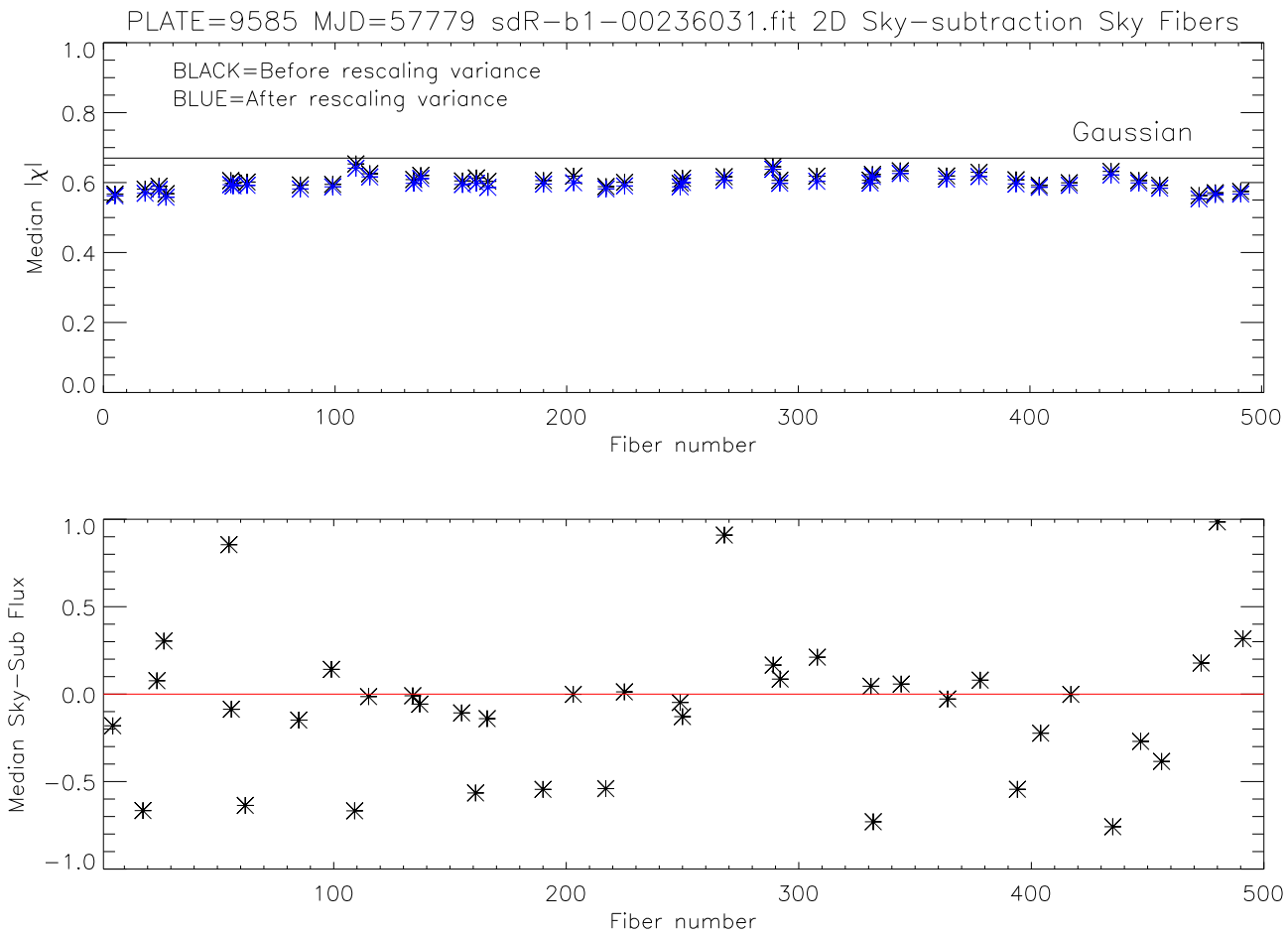

PLATE=9585 MJD=57779 sdR-b1-00236031.fit 1D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

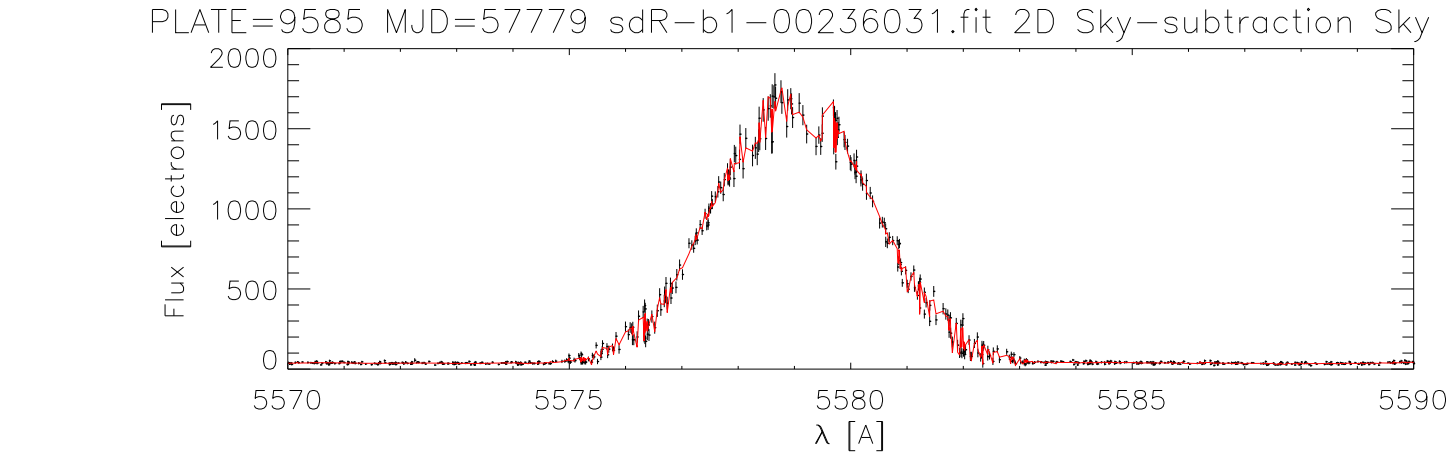

PLATE=9585 MJD=57779 sdR-b1-00236031.fit 1D Sky-subtraction Sky Fibers
Flux [electrons]
2000
1500
1000
500
0
5570
5575
5580
5585
5590
λ [A]

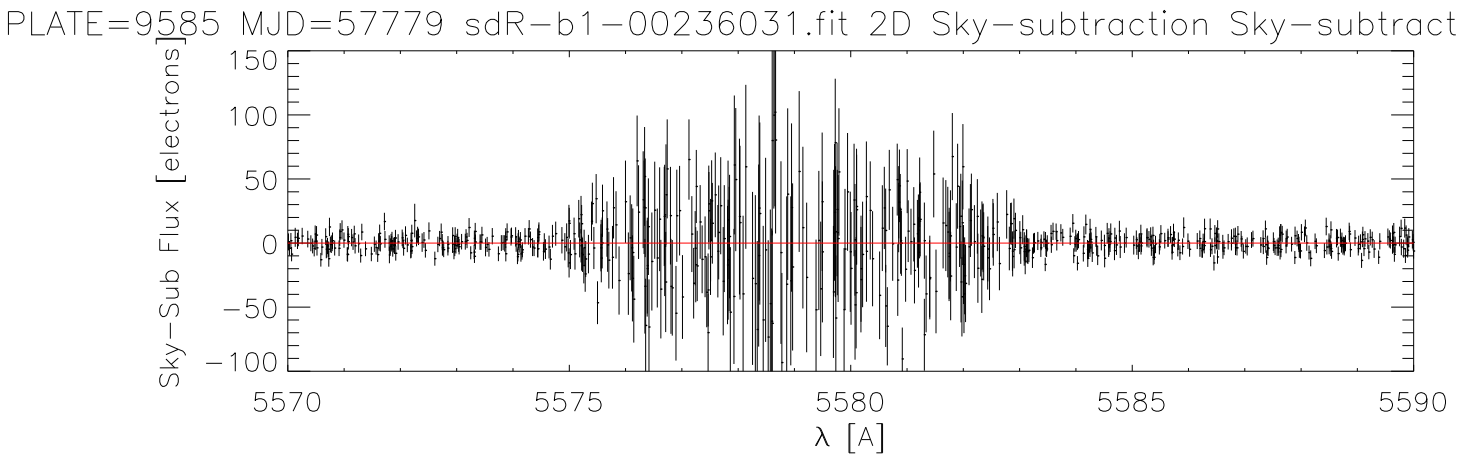

PLATE=9585 MJD=57779 sdR-b1-00236031.fit 1D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
300
200
100
0
-100
-200
-300
5570
5575
5580
5585
5590
λ [A]

Number of sky fibers = 40

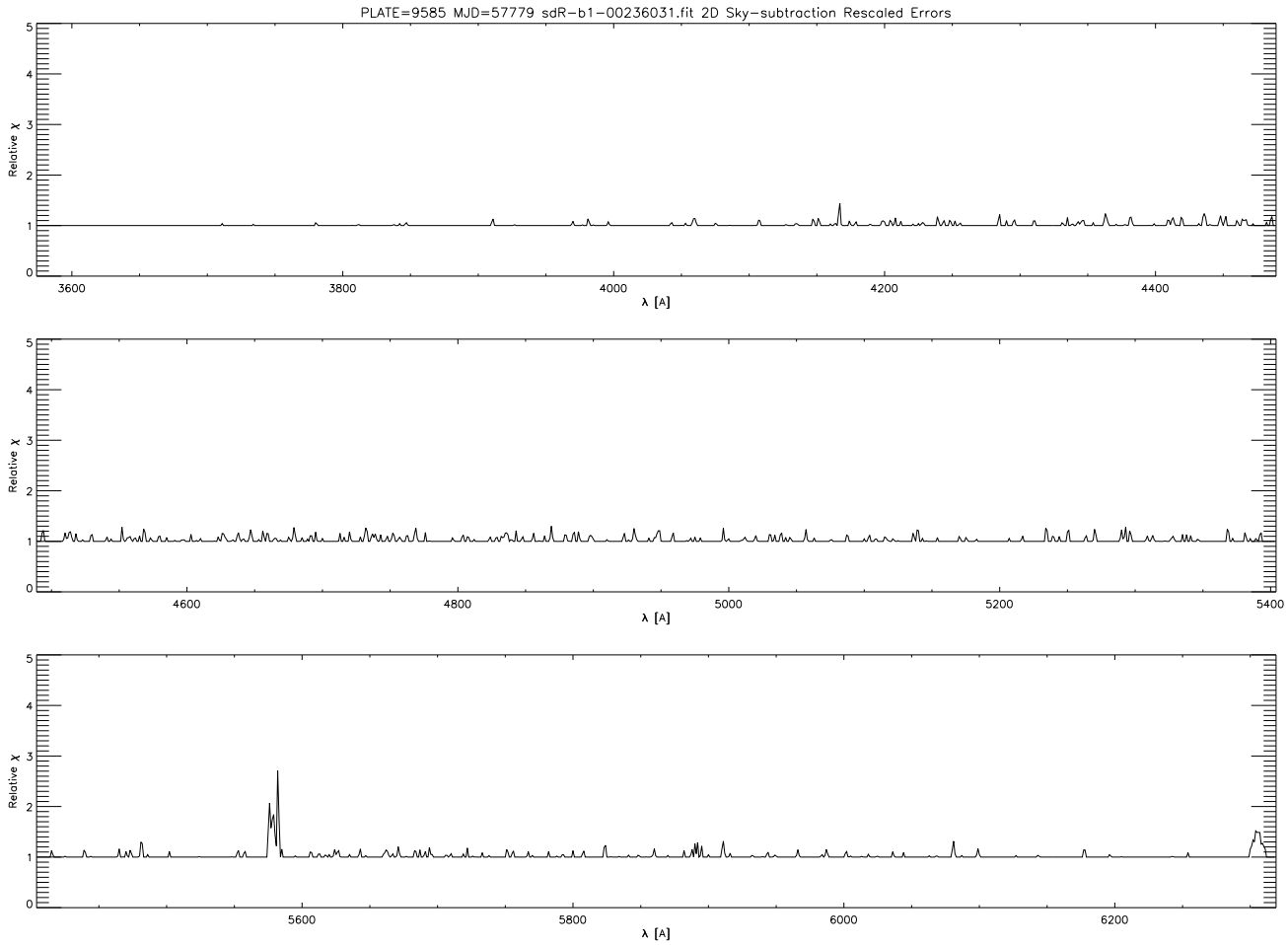


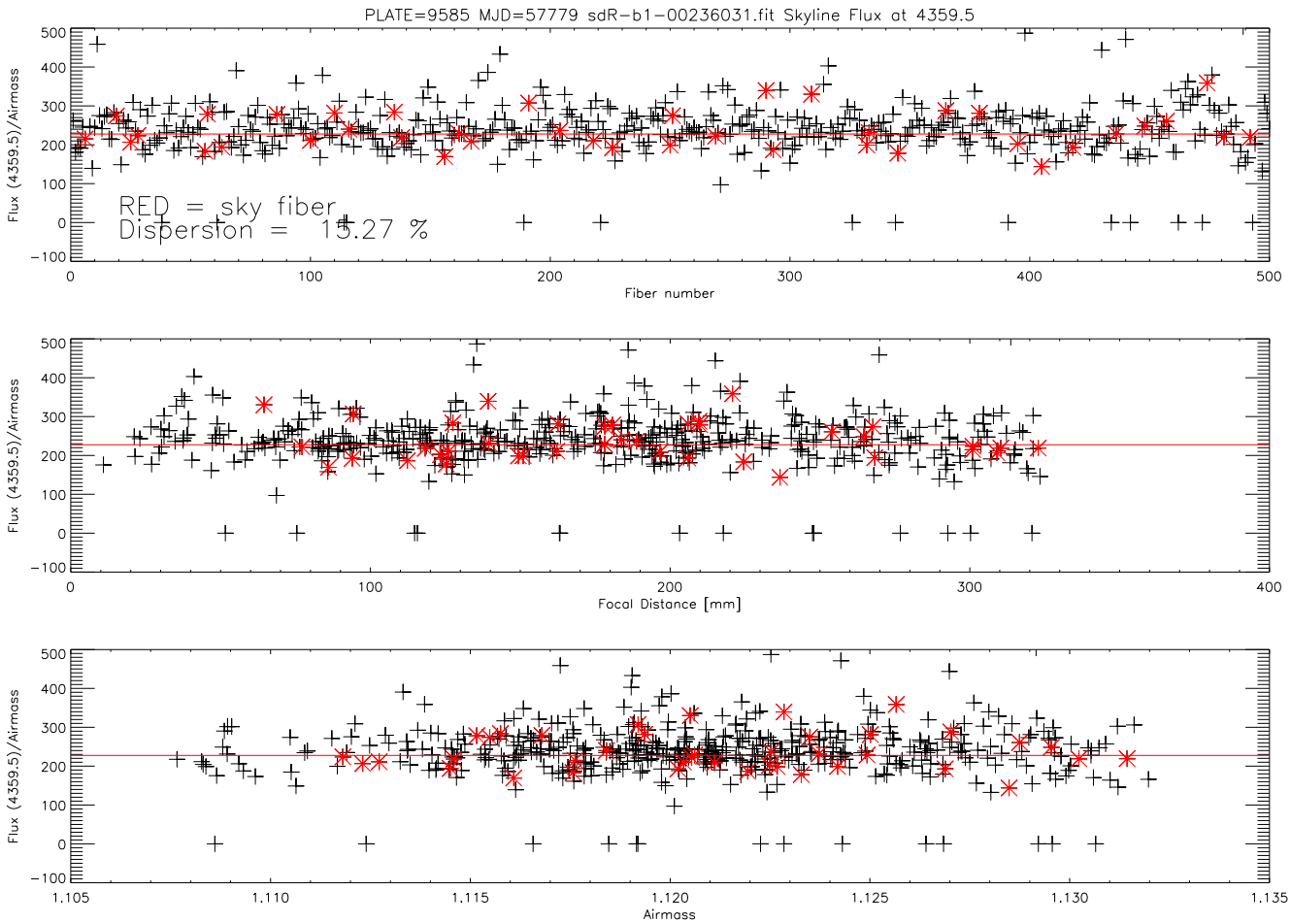

PLATE=9585 MJD=57779 sdR-b1-00236031.fit 2D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

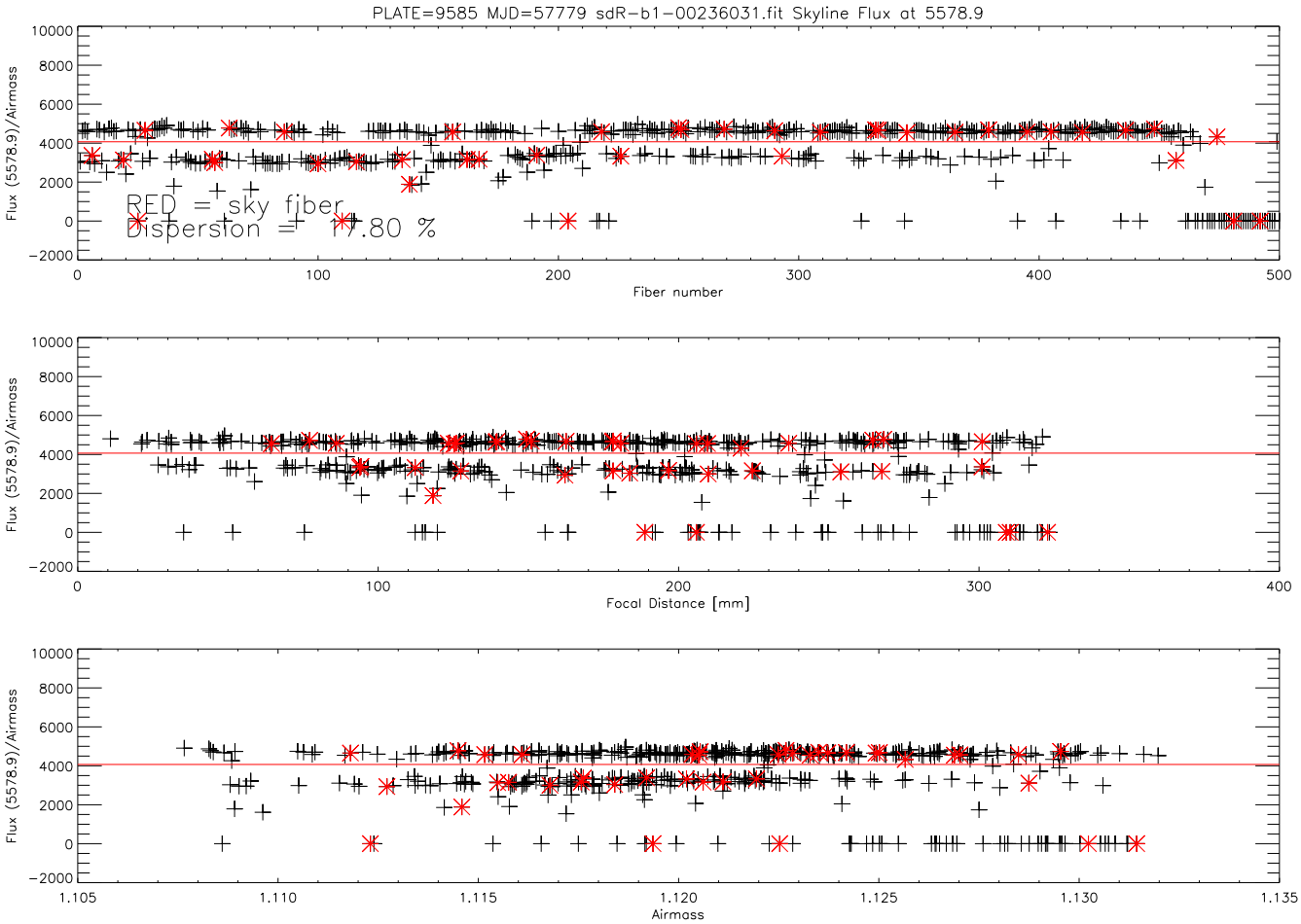

PLATE=9585 MJD=57779 sdR-b1-00236031.fit 2D Sky-subtraction Sky Fibers
Flux [electrons]
2000
1500
1000
500
0
5570
5575
5580
5585
5590
λ [A]


PLATE=9585 MJD=57779 sdR-b1-00236031.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]

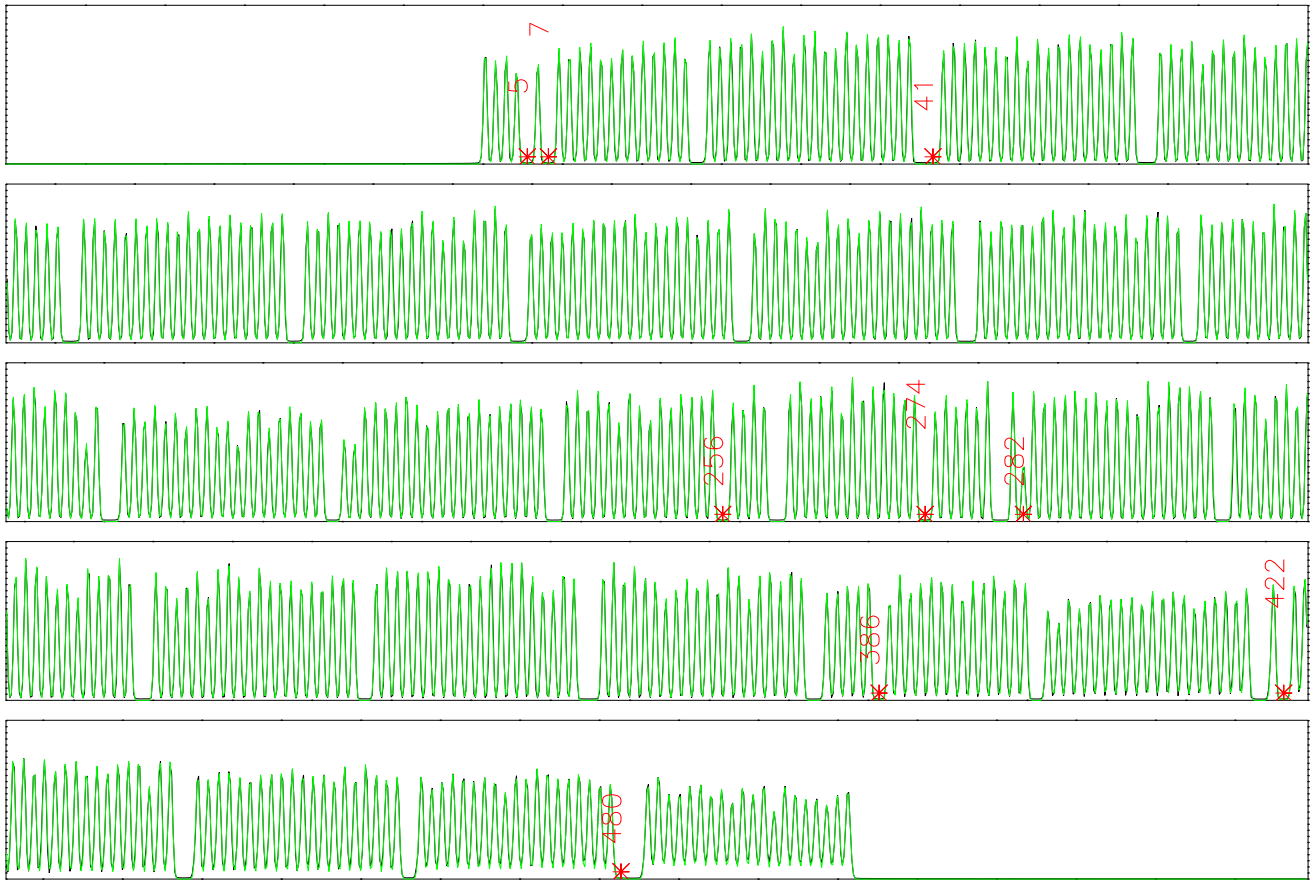
Number of sky fibers = 40

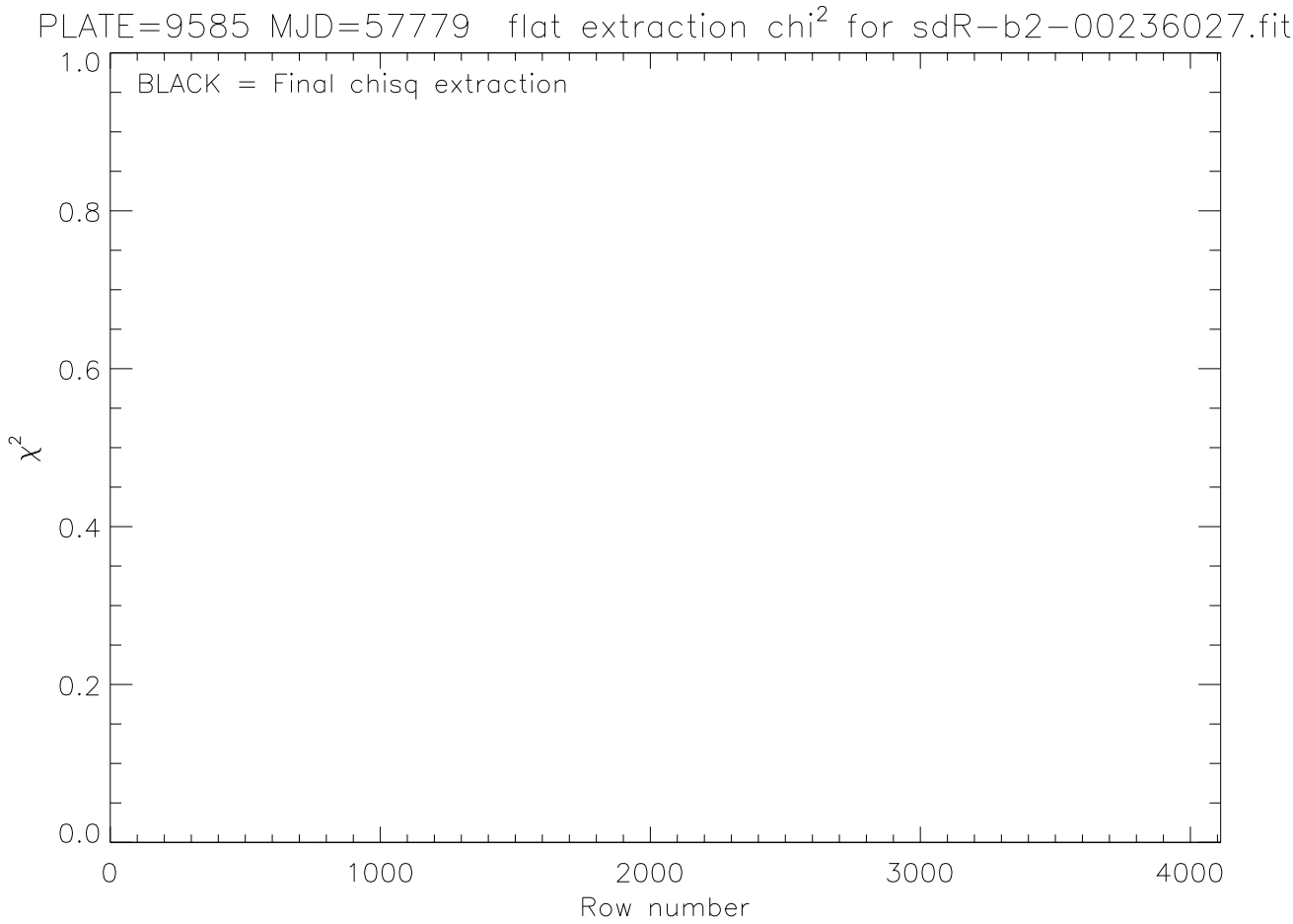


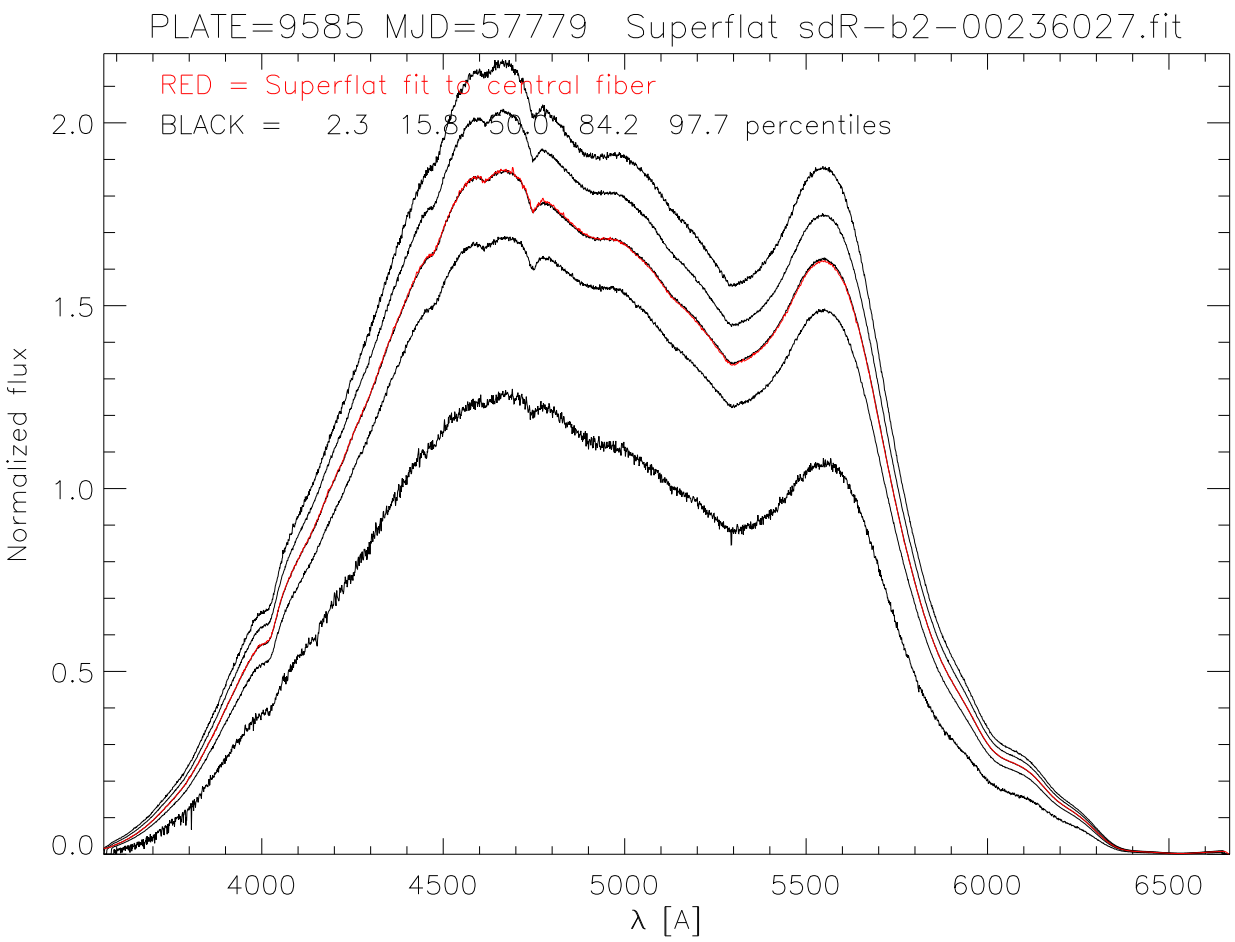

PLATE=9585 MJD=57779 sdR-b1-00236031.fit Skyline Flux at 4359.5
Flux (4359.5)/Airmass
RED = sky fiber
Dispersion = 15.27 %
Fiber number
Flux (4359.5)/Airmass
Focal Distance [mm]
Flux (4359.5)/Airmass
Airmass

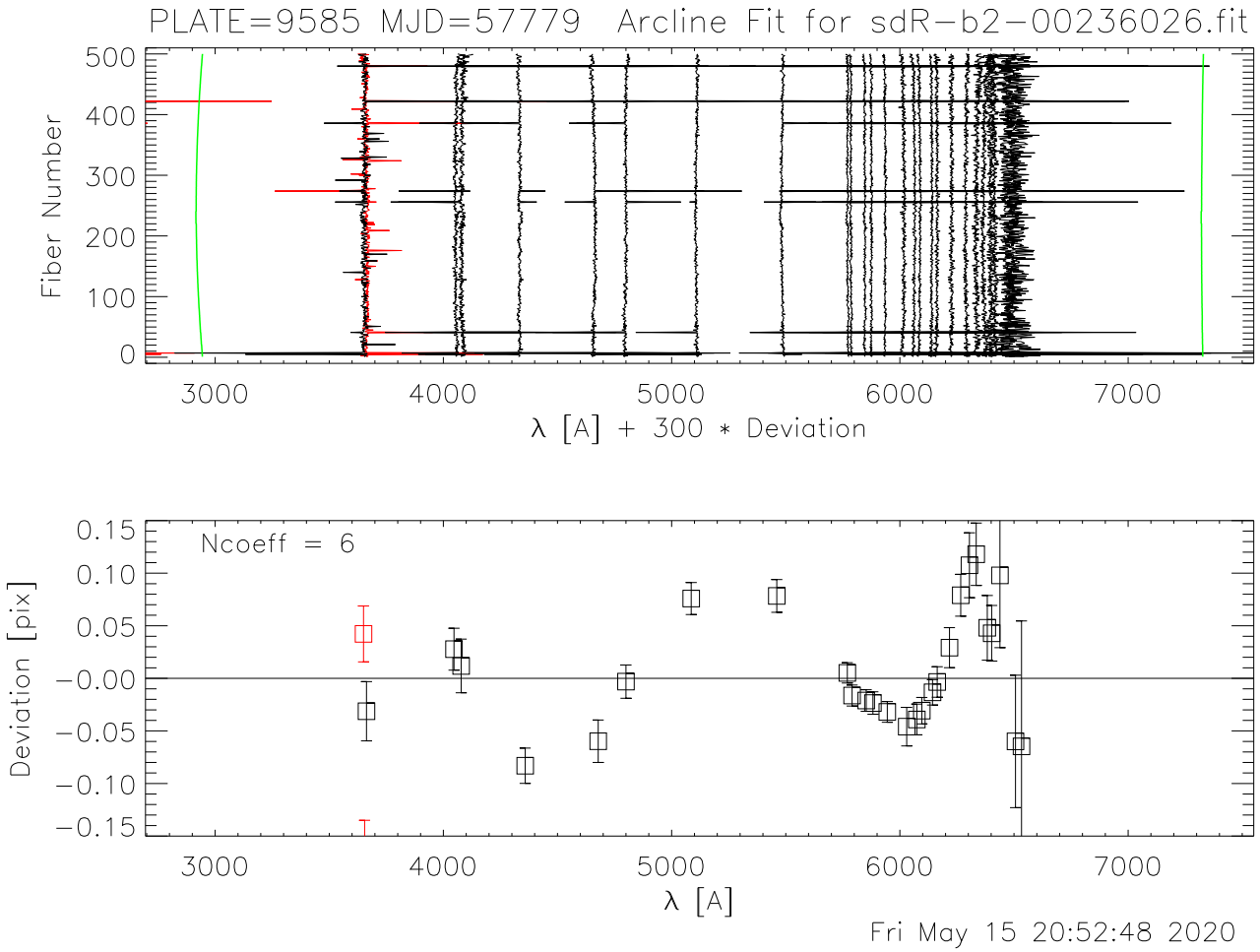

PLATE=9585 MJD=57779 sdR-b1-00236031.fit Skyline Flux at 5578.9
Flux (5578.9)/Airmass
Fiber number
RED = sky fiber
Dispersion = 17.80 %
Flux (5578.9)/Airmass
Focal Distance [mm]
Flux (5578.9)/Airmass
Airmass

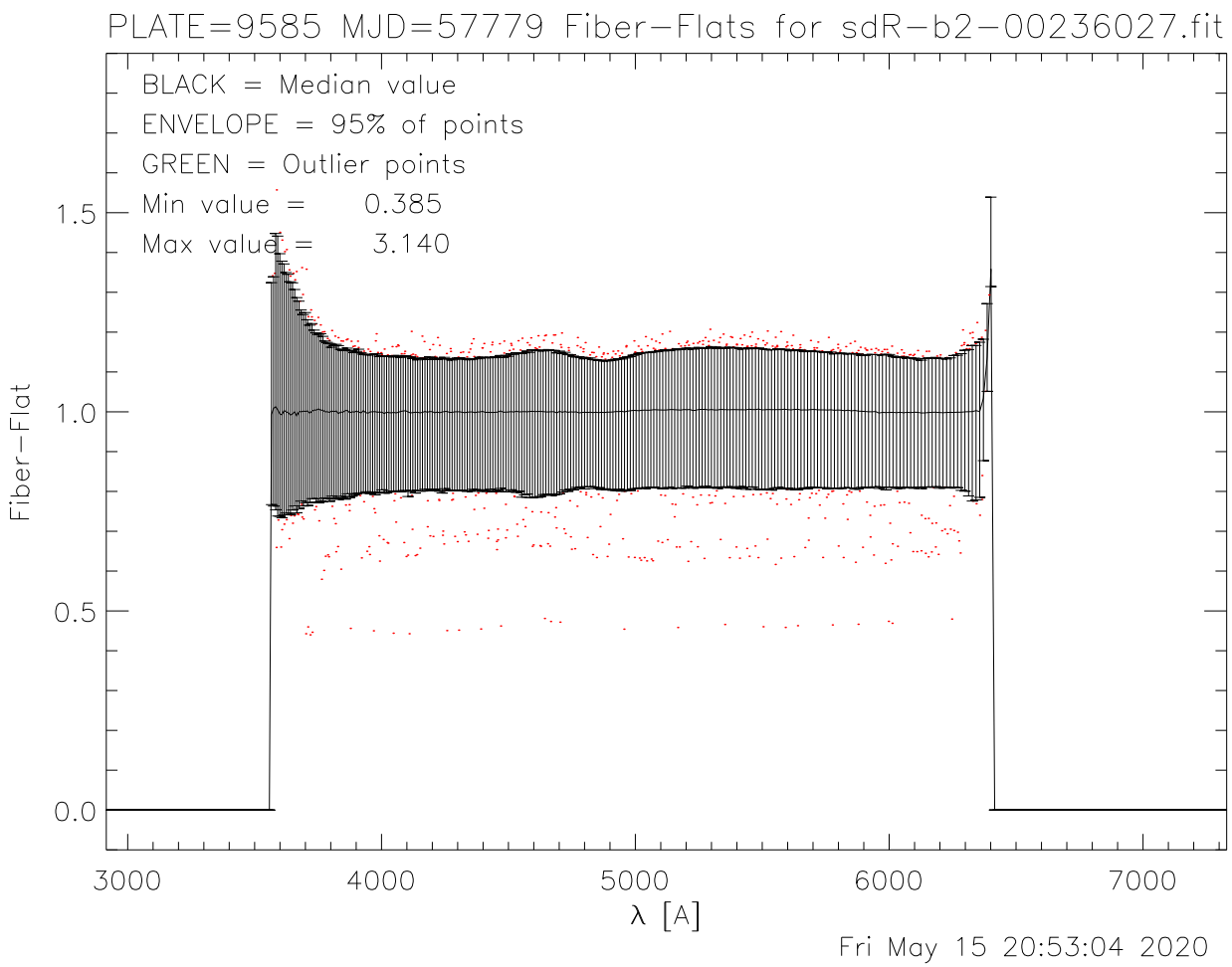
PLATE=9585 MJD=57779 Traces sdR-b2-00236027.fit

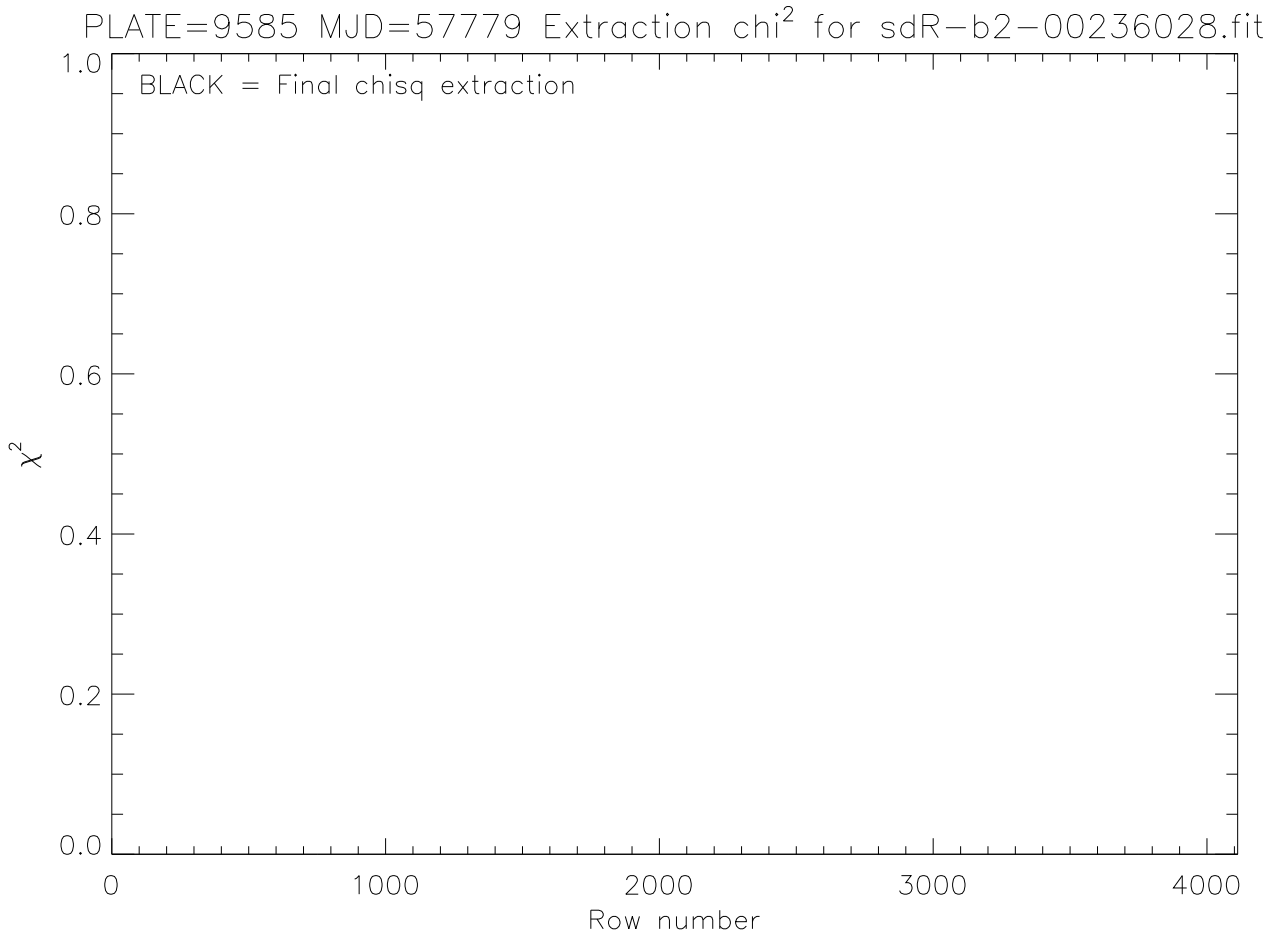


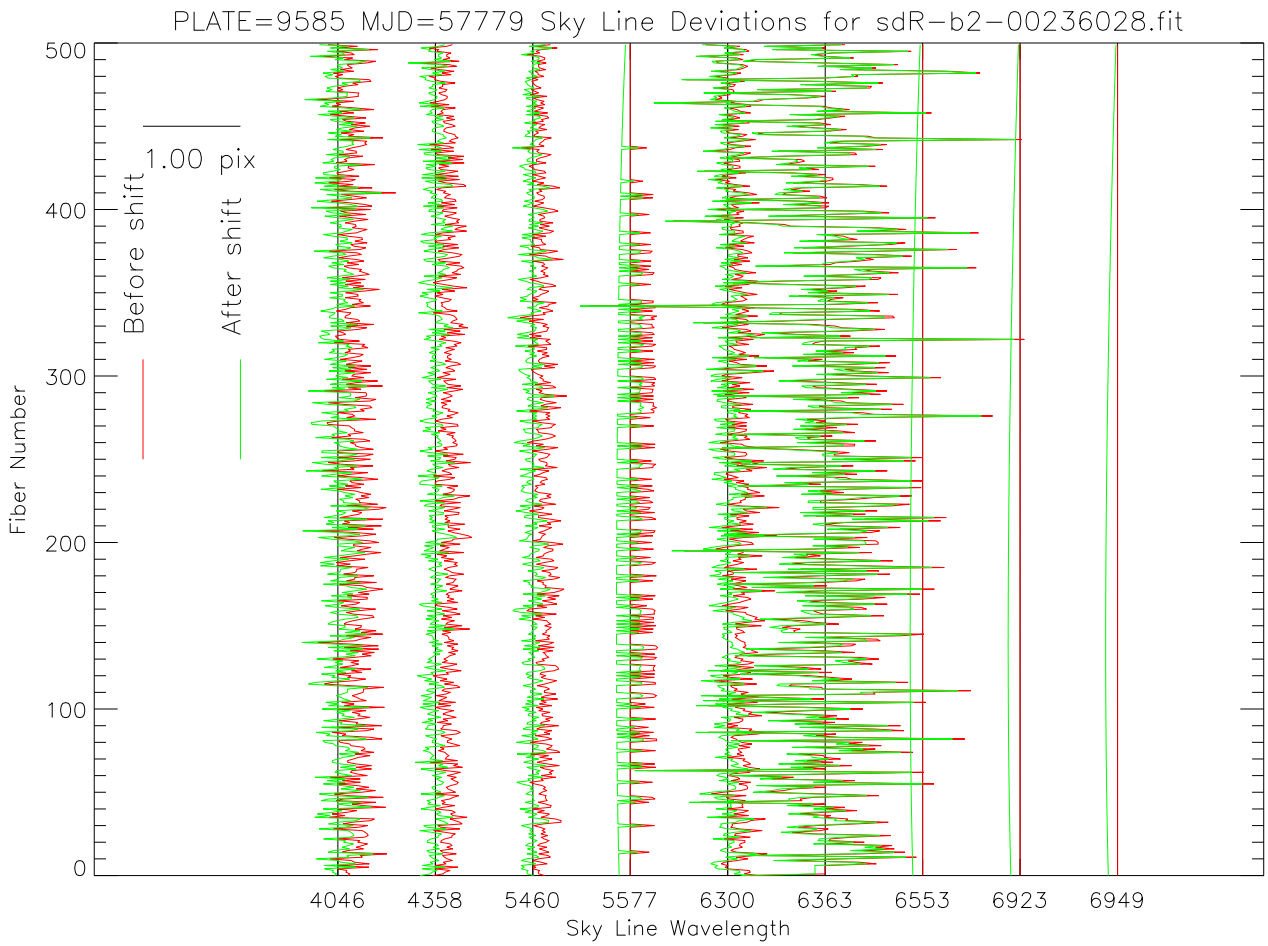

PLATE=9585 MJD=57779 flat extraction chi^2 for sdR−b2−00236027.fit
BLACK = Final chisq extraction
χ^2
1.0
0.8
0.6
0.4
0.2
0.0
0
1000
2000
3000
4000
Row number

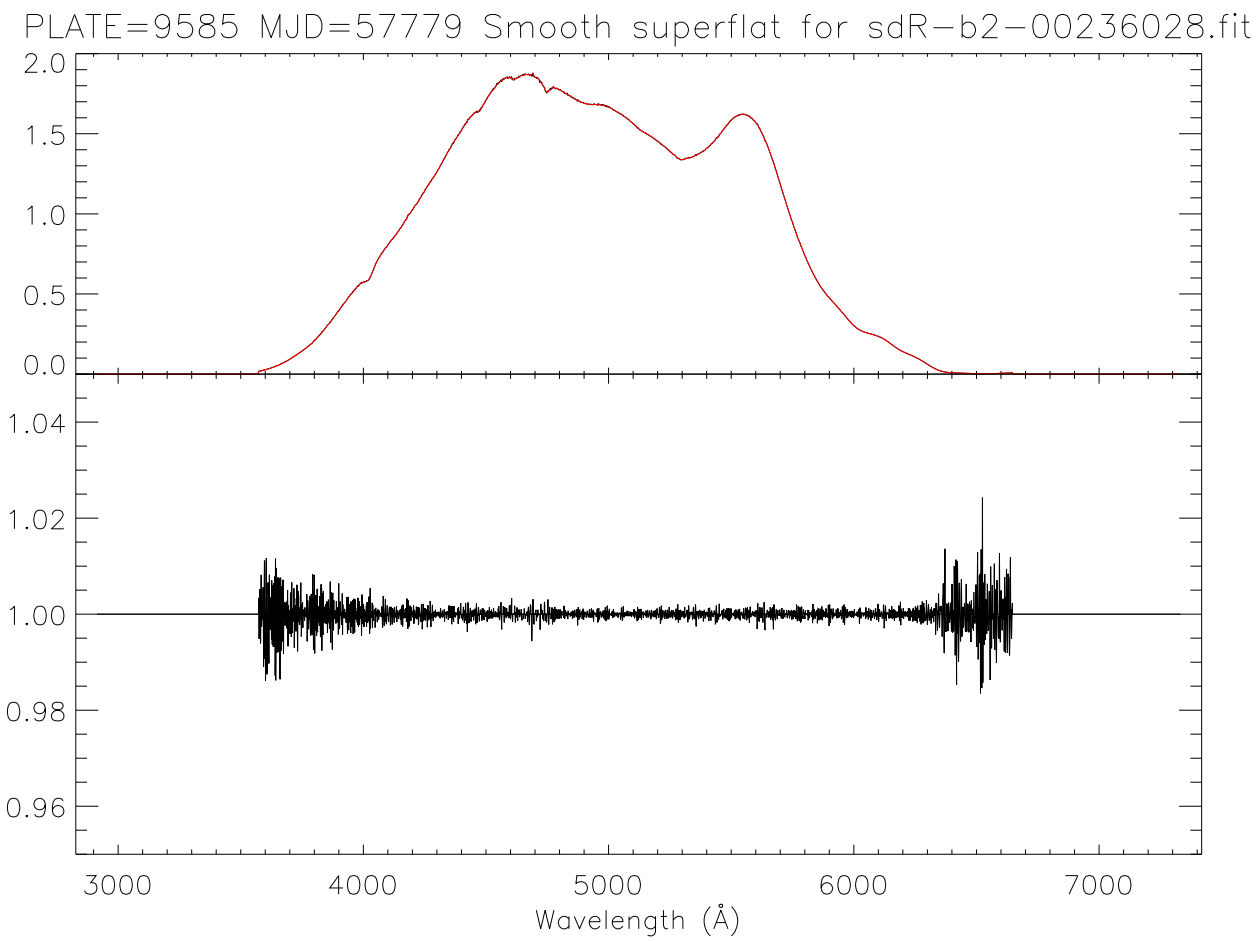

PLATE=9585 MJD=57779 Superflat sdR-b2-00236027.fit
RED = Superflat fit to central fiber
BLACK = 2.3 15.8 50.0 84.2 97.7 percentiles
Normalized flux
λ [A]
0.0
0.5
1.0
1.5
2.0
4000
4500
5000
5500
6000
6500

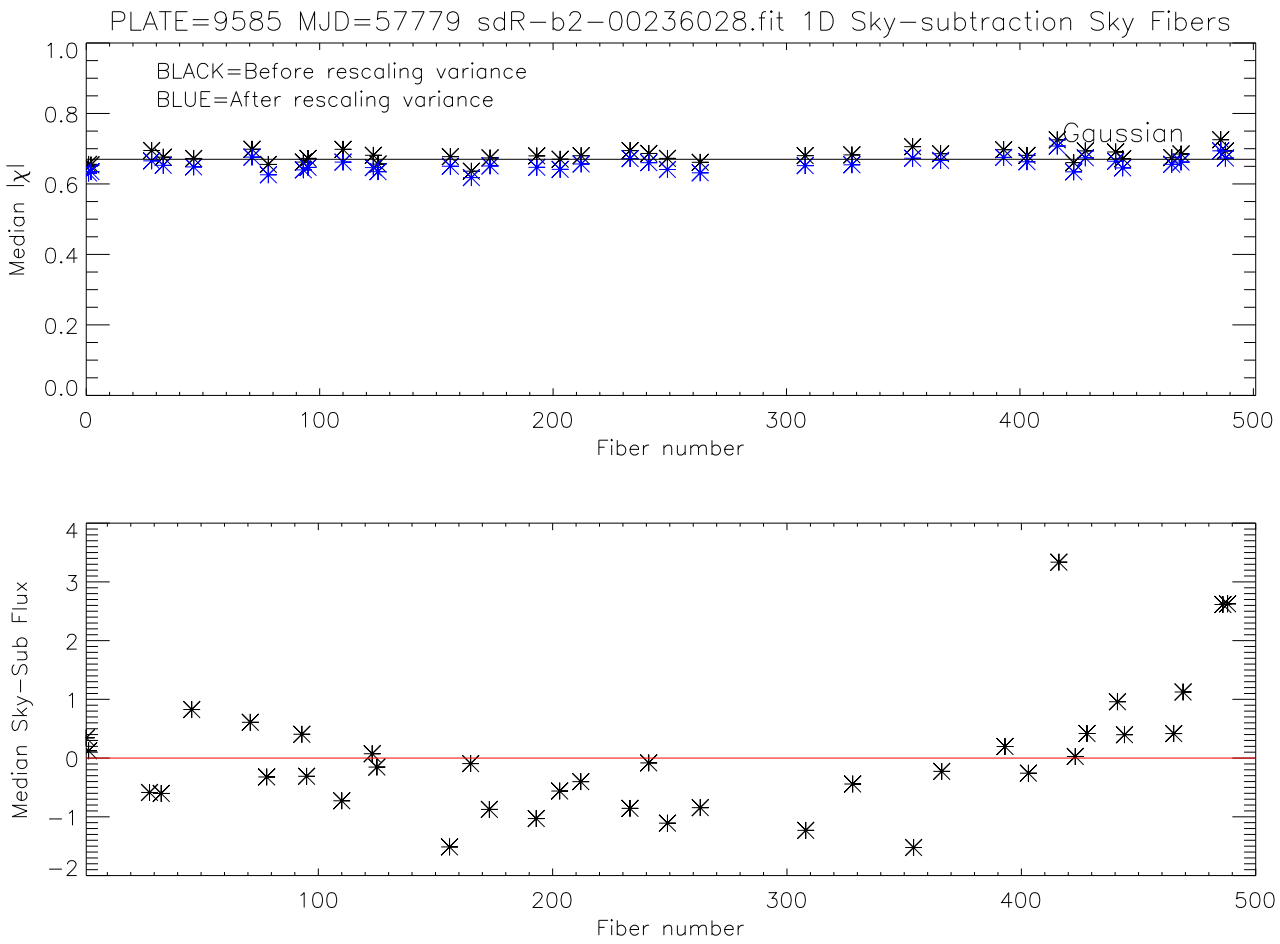

PLATE=9585 MJD=57779 Arcline Fit for sdR-b2-00236026.fit
Fiber Number
500
400
300
200
100
0
3000
4000
5000
6000
7000
λ [A] + 300 * Deviation
Ncoeff = 6
Deviation [pix]
0.15
0.10
0.05
−0.00
−0.05
−0.10
−0.15
λ [A]
Fri May 15 20:52:48 2020

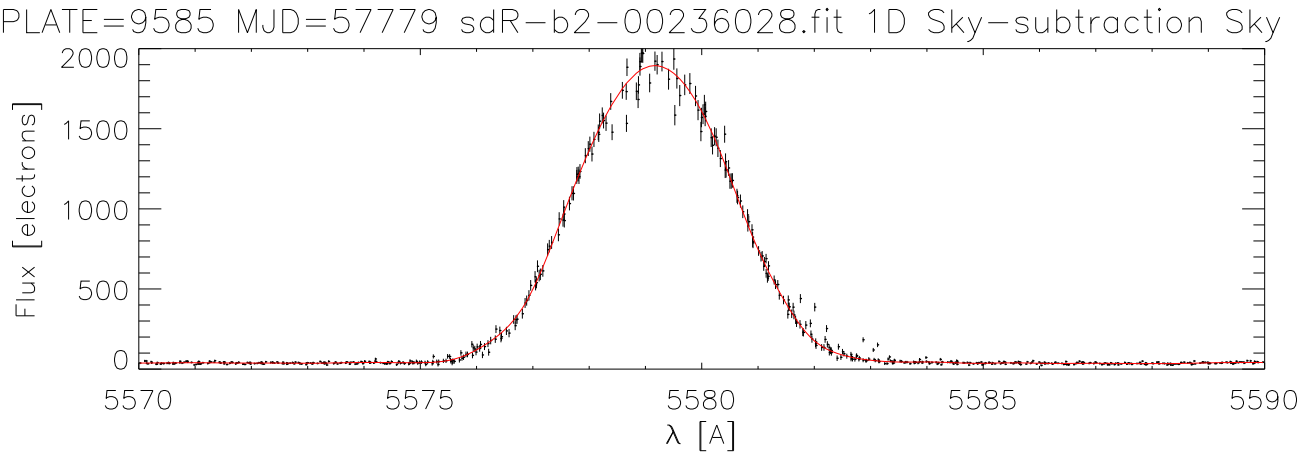

PLATE=9585 MJD=57779 Fiber-Flats for sdR-b2-00236027.fit
BLACK = Median value
ENVELOPE = 95% of points
GREEN = Outlier points
Min value = 0.385
Max value = 3.140
Fiber-Flat
1.5
1.0
0.5
0.0
3000
4000
5000
6000
7000
λ [A]
Fri May 15 20:53:04 2020

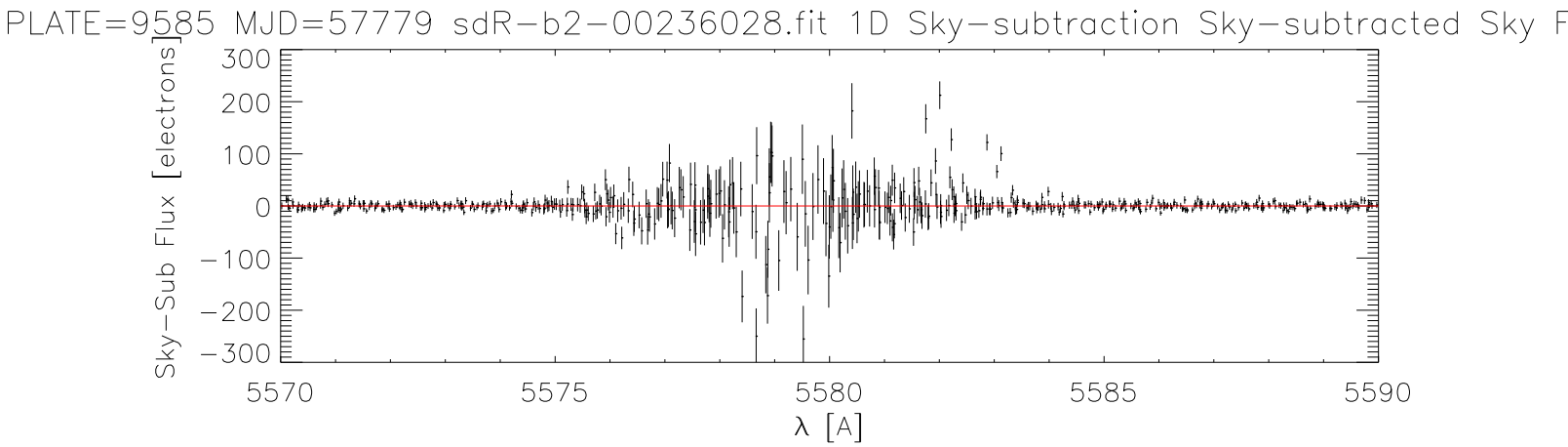

PLATE=9585 MJD=57779 Extraction chi^2 for sdR-b2-00236028.fit
BLACK = Final chisq extraction
χ^2
1.0
0.8
0.6
0.4
0.2
0.0
0
1000
2000
3000
4000
Row number


PLATE=9585 MJD=57779 Sky Line Deviations for sdR-b2-00236028.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

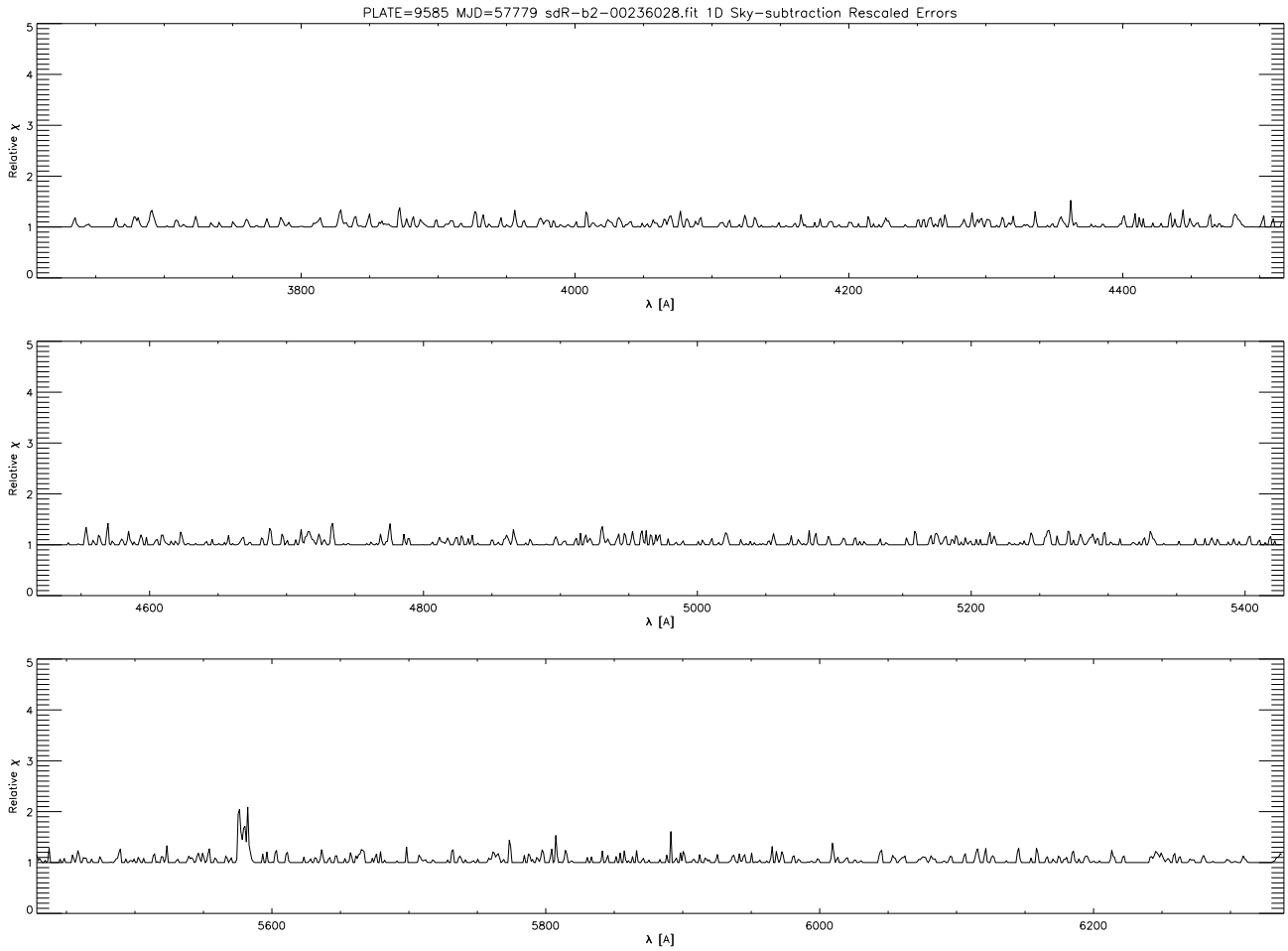

PLATE=9585 MJD=57779 Smooth superflat for sdR-b2-00236028.fit
2.0
1.5
1.0
0.5
0.0
1.04
1.02
1.00
0.98
0.96
3000
4000
5000
6000
7000
Wavelength (Å)

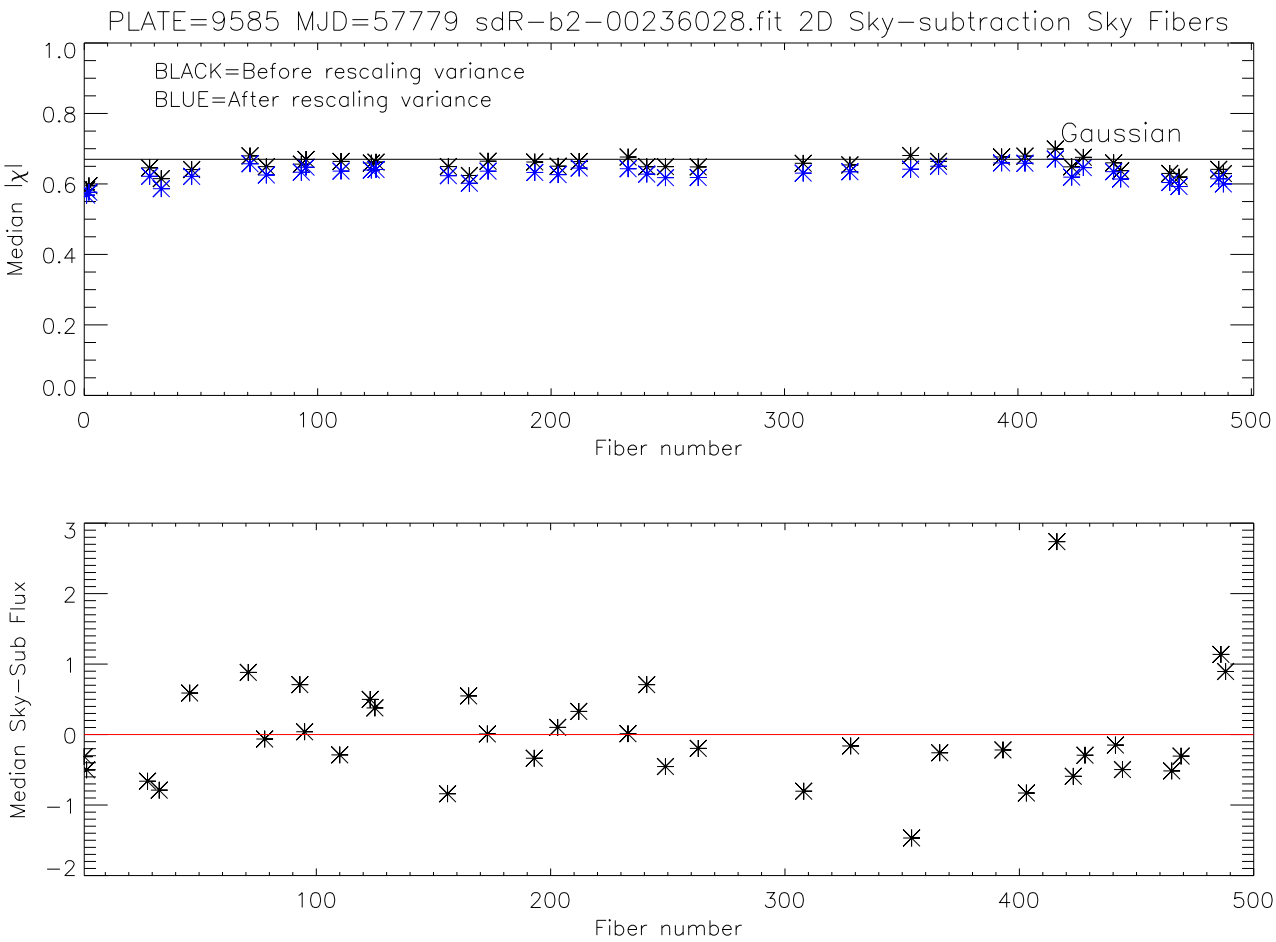

PLATE=9585 MJD=57779 sdR-b2-00236028.fit 1D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

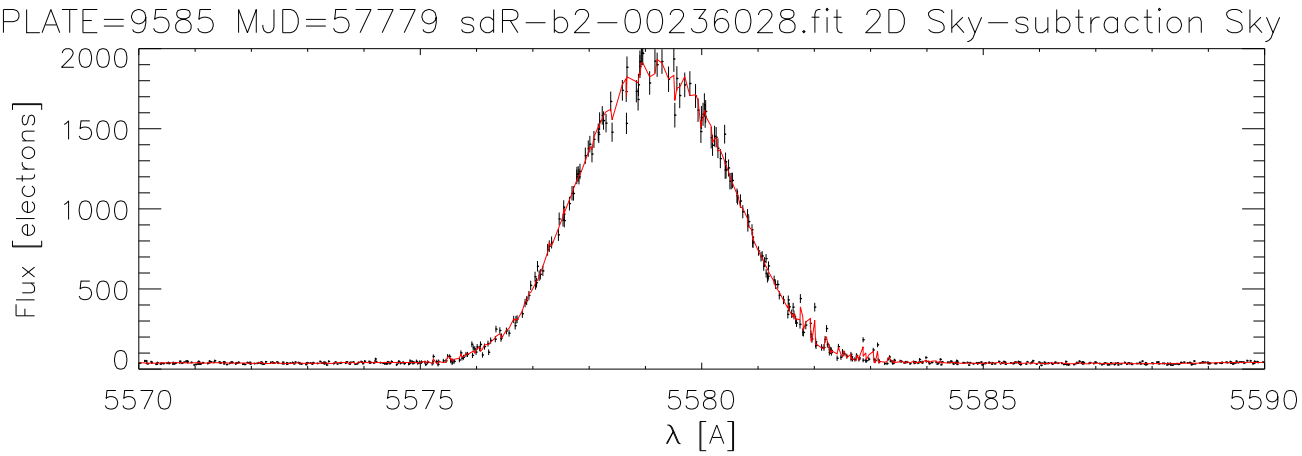

PLATE=9585 MJD=57779 sdR-b2-00236028.fit 1D Sky-subtraction Sky Fibers
Flux [electrons]
2000
1500
1000
500
0
5570
5575
5580
5585
5590
λ [A]

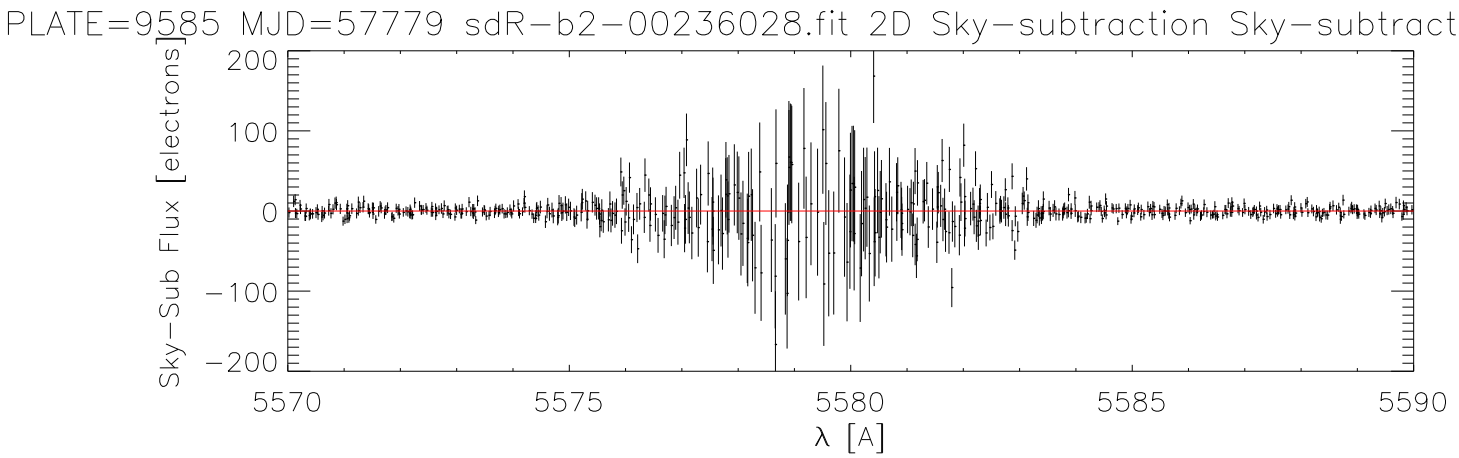

PLATE=9585 MJD=57779 sdR-b2-00236028.fit 1D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
300
200
100
0
-100
-200
-300
5570
5575
5580
5585
5590
λ [A]

Number of sky fibers = 37

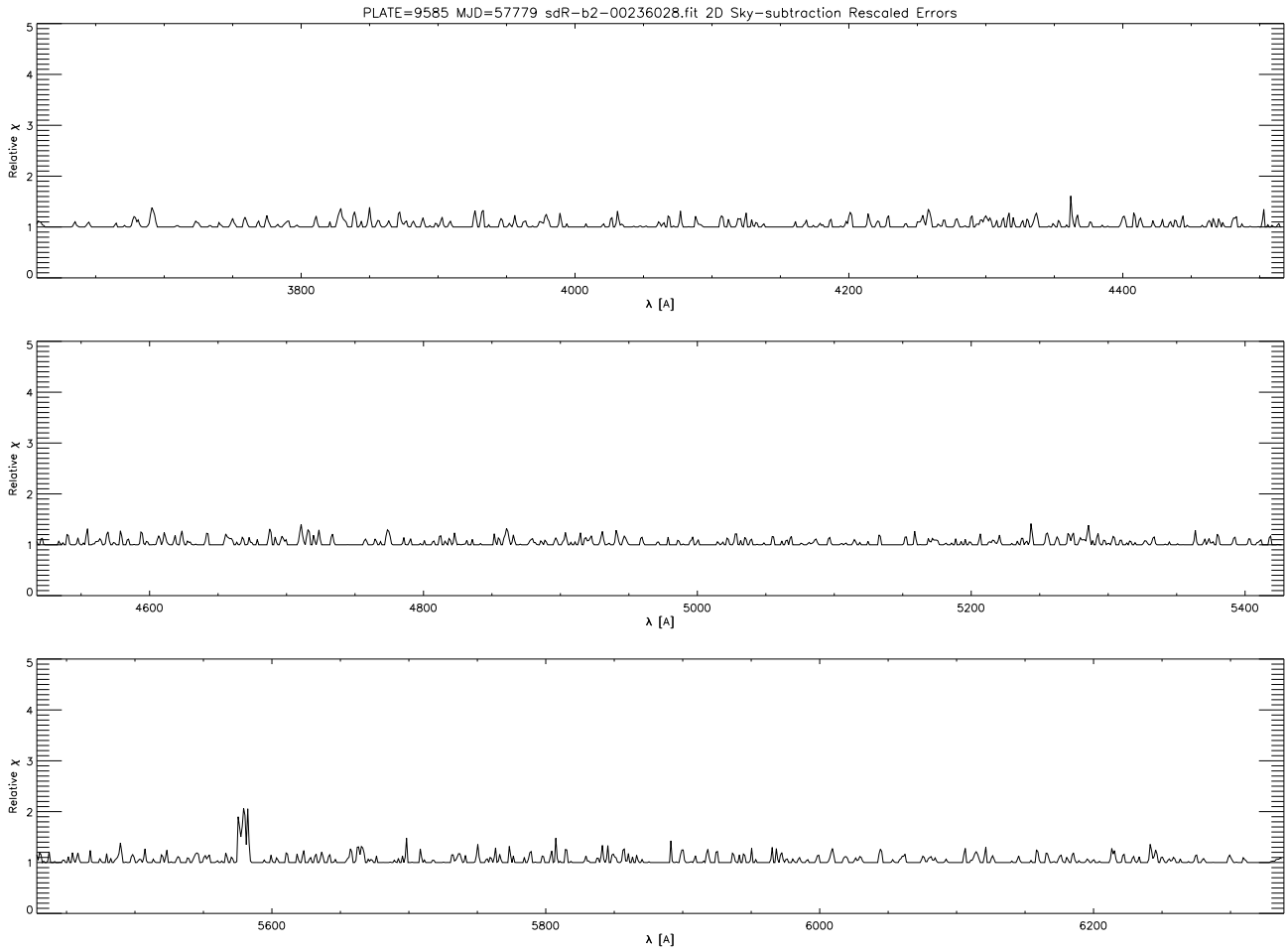


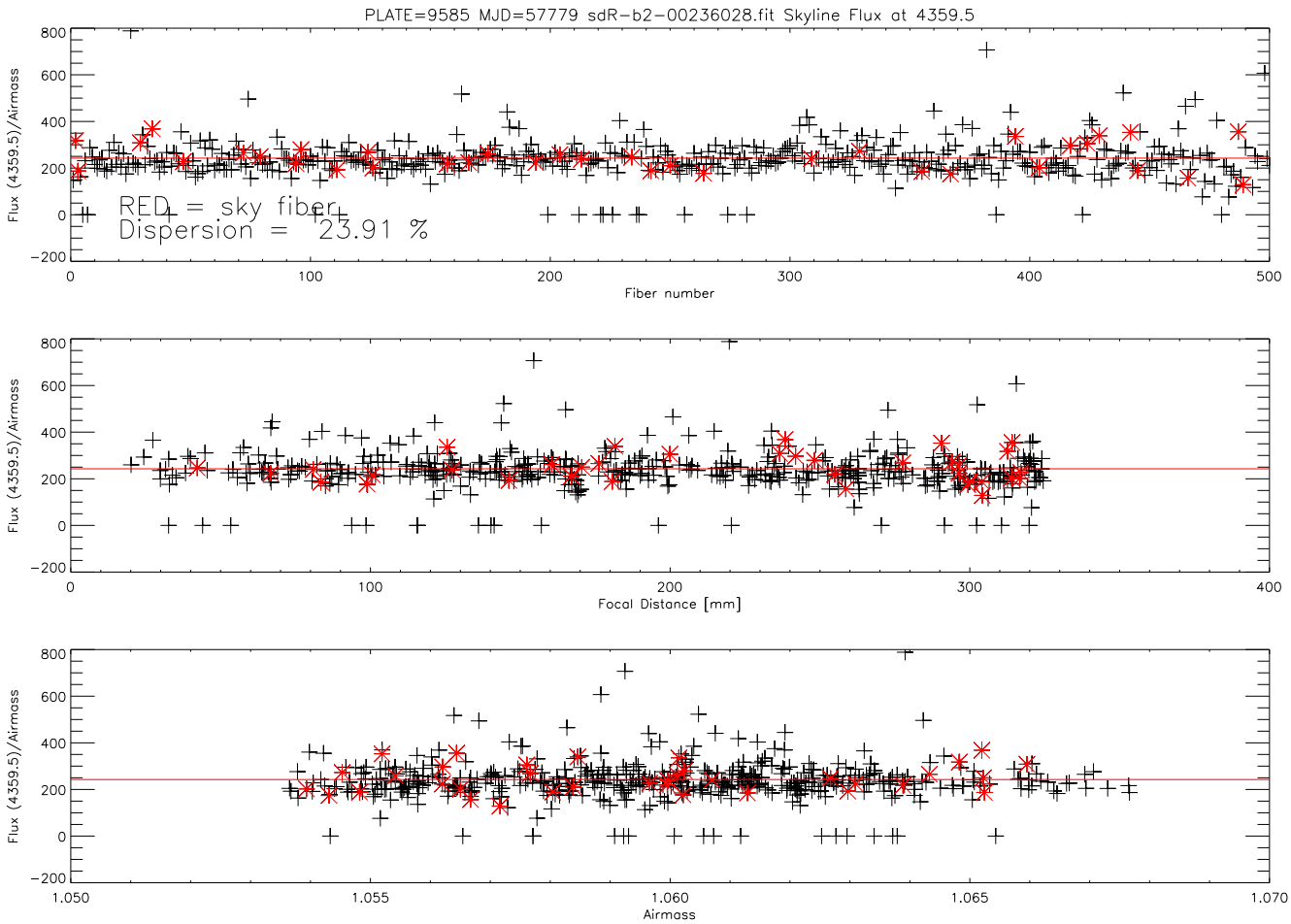

PLATE=9585 MJD=57779 sdR-b2-00236028.fit 2D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

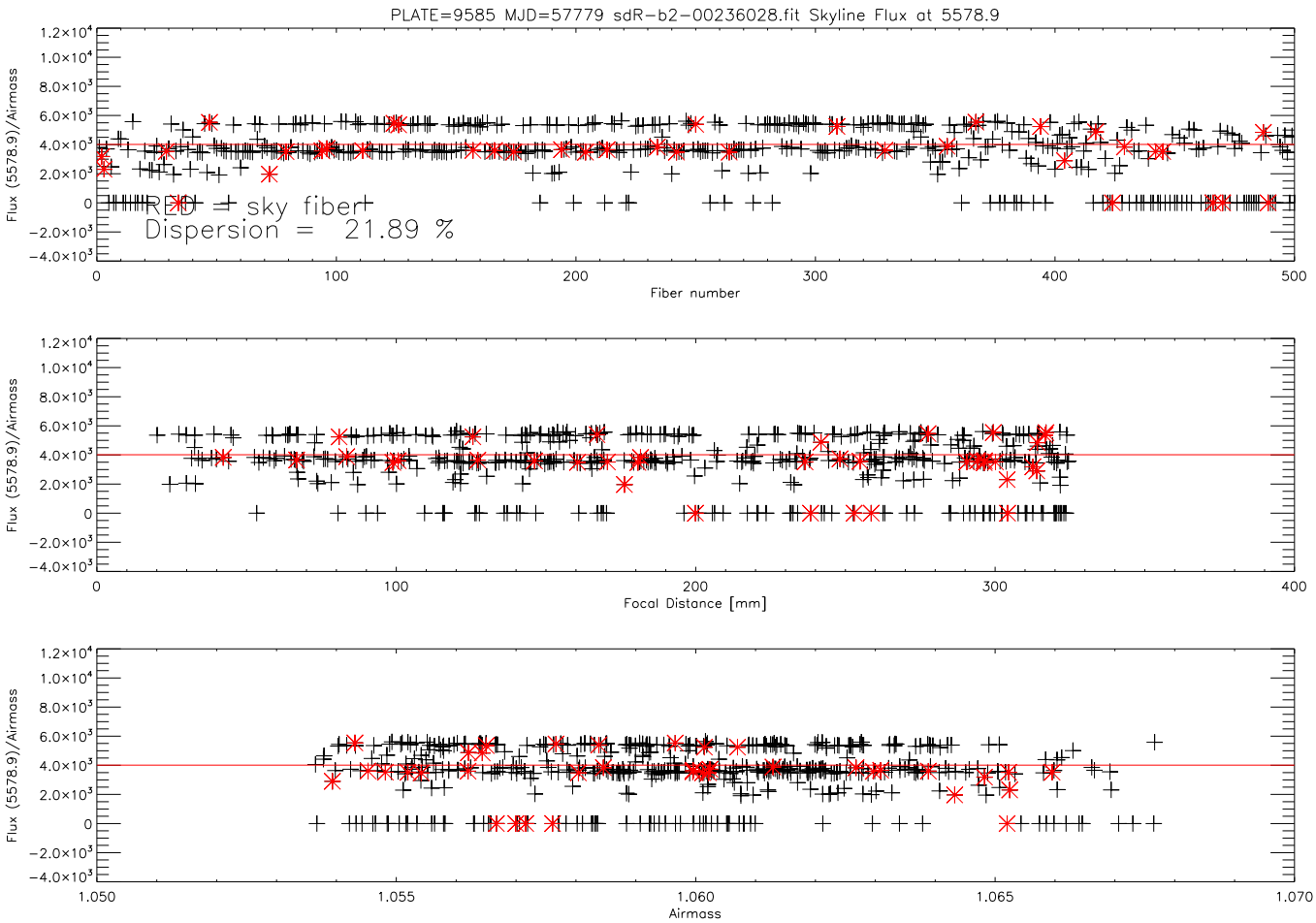

PLATE=9585 MJD=57779 sdR-b2-00236028.fit 2D Sky-subtraction Sky Fibers
Flux [electrons]
2000
1500
1000
500
0
5570
5575
5580
5585
5590
λ [A]

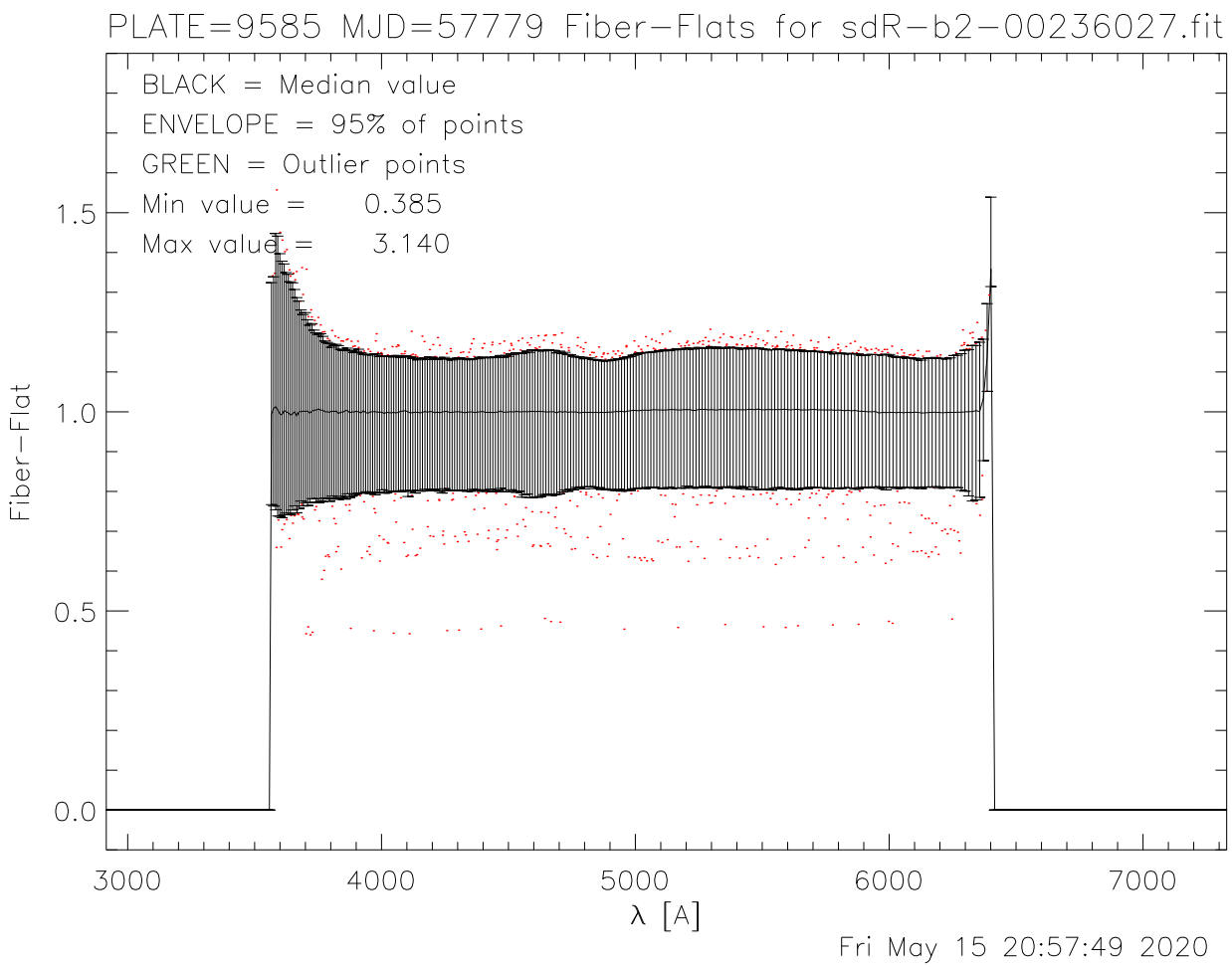

PLATE=9585 MJD=57779 sdR-b2-00236028.fit 2D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
200
100
0
-100
-200
5570
5575
5580
5585
5590
λ [A]

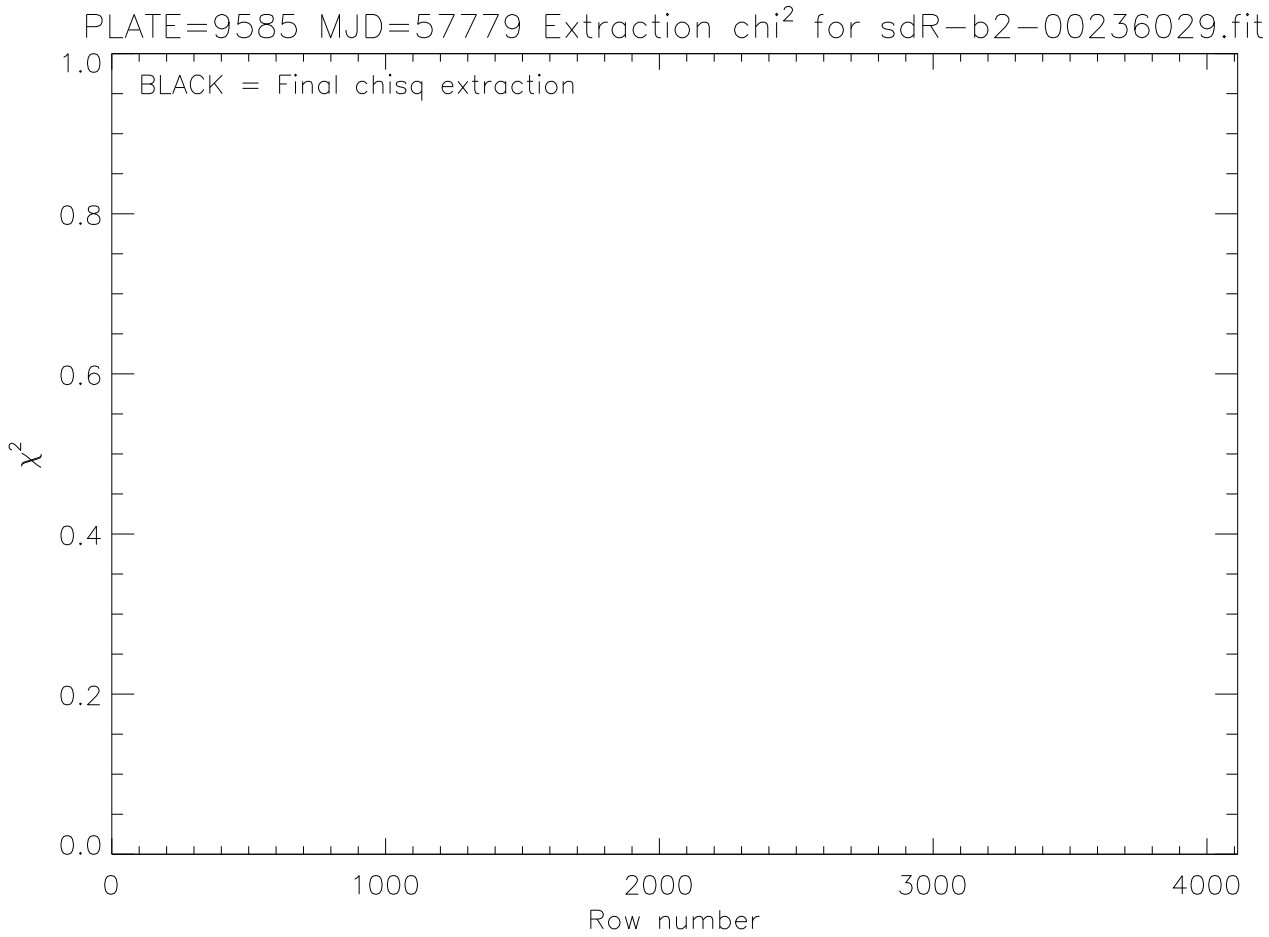
Number of sky fibers = 37

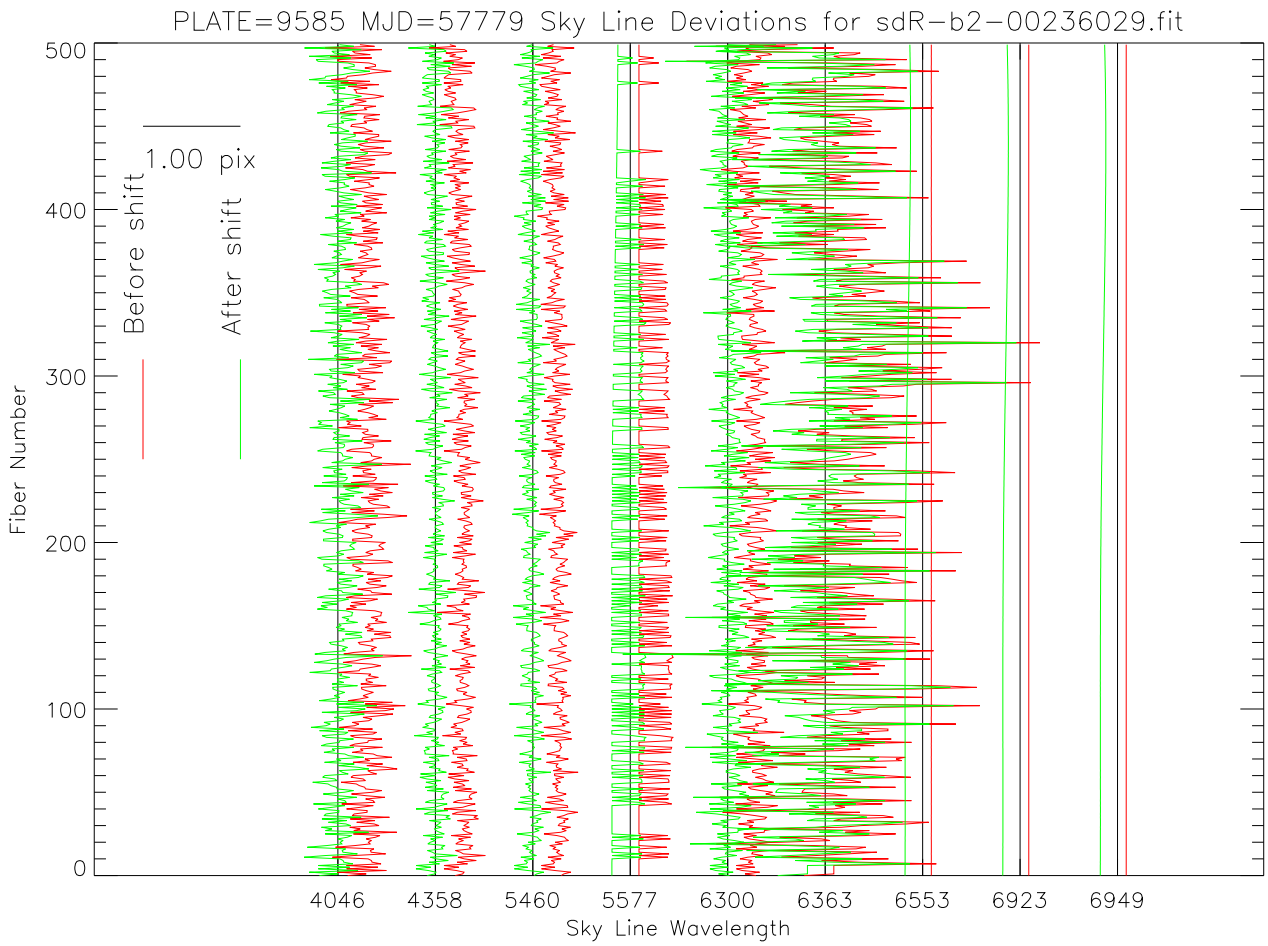


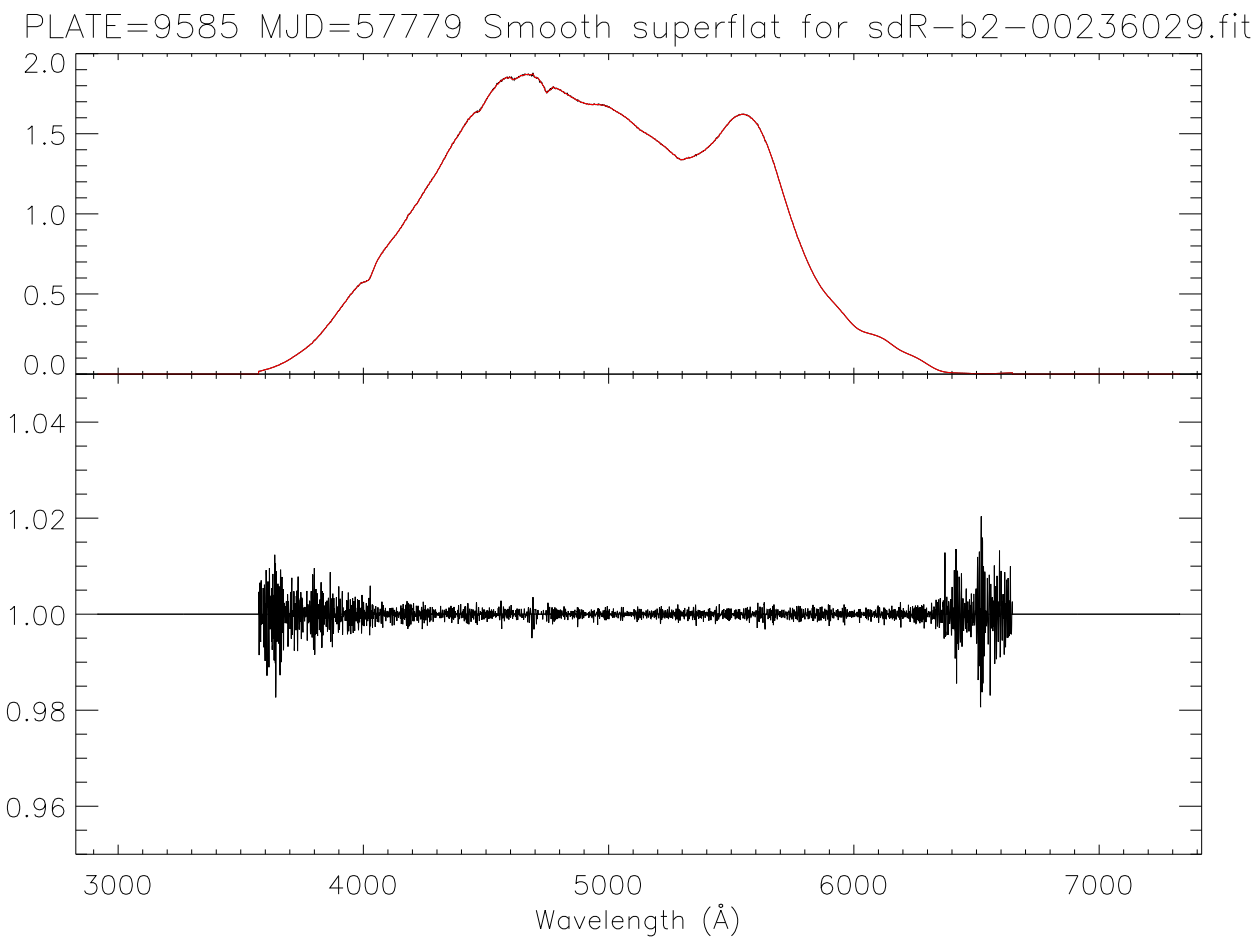

PLATE=9585 MJD=57779 sdR-b2-00236028.fit Skyline Flux at 4359.5
Flux (4359.5)/Airmass
RED = sky fiber
Dispersion = 23.91 %
Fiber number
Flux (4359.5)/Airmass
Focal Distance [mm]
Flux (4359.5)/Airmass
Airmass

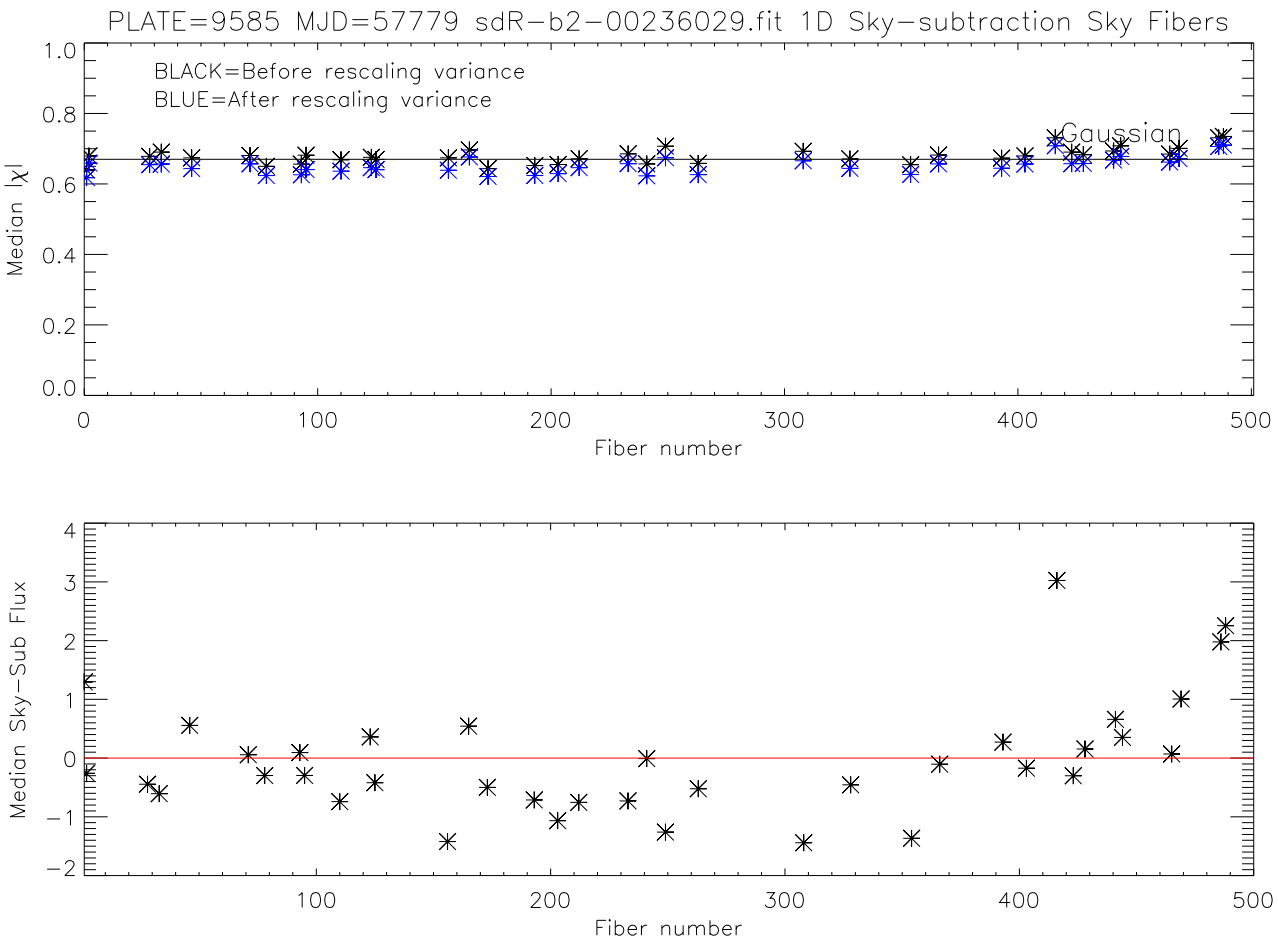

PLATE=9585 MJD=57779 sdR-b2-00236028.fit Skyline Flux at 5578.9
Flux (5578.9)/Airmass
Fiber number
RED = sky fiber
Dispersion = 21.89 %
Focal Distance [mm]
Airmass

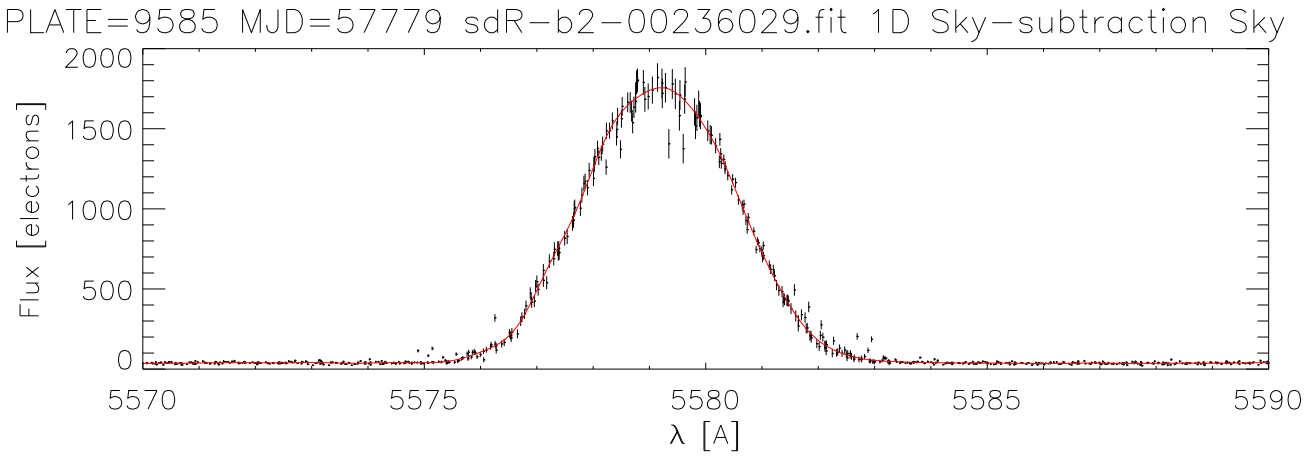

PLATE=9585 MJD=57779 Fiber−Flats for sdR−b2−00236027.fit
BLACK = Median value
ENVELOPE = 95% of points
GREEN = Outlier points
Min value = 0.385
Max value = 3.140
Fiber−Flat
1.5
1.0
0.5
0.0
3000
4000
5000
6000
7000
λ [A]
Fri May 15 20:57:49 2020

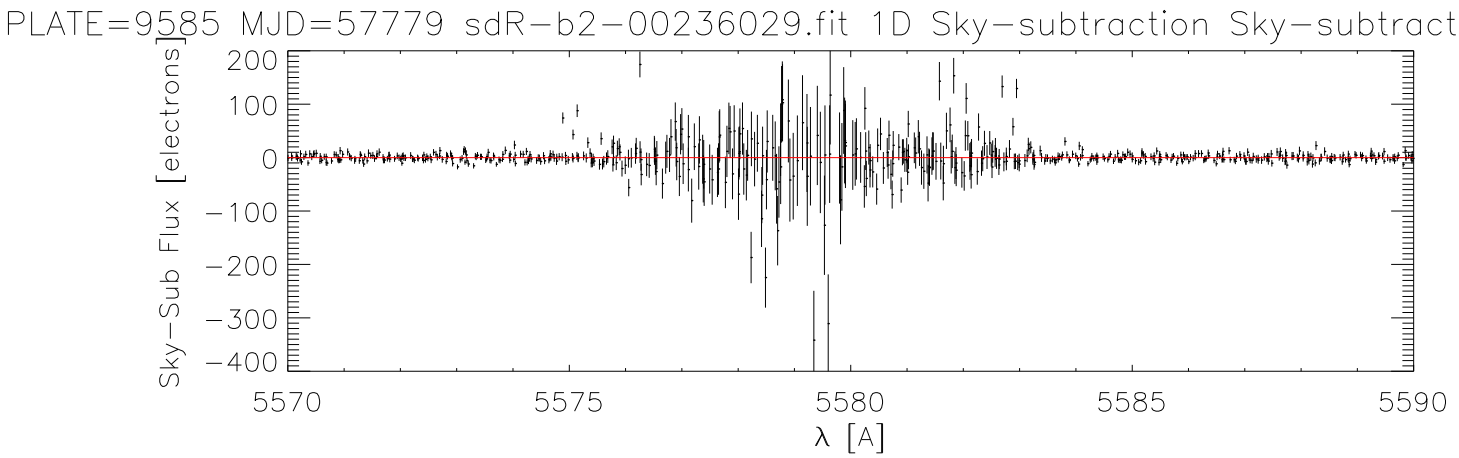

PLATE=9585 MJD=57779 Extraction chi^2 for sdR−b2−00236029.fit
BLACK = Final chisq extraction
1.0
0.8
0.6
0.4
0.2
0.0
χ^2
0
1000
2000
3000
4000
Row number


PLATE=9585 MJD=57779 Sky Line Deviations for sdR-b2-00236029.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

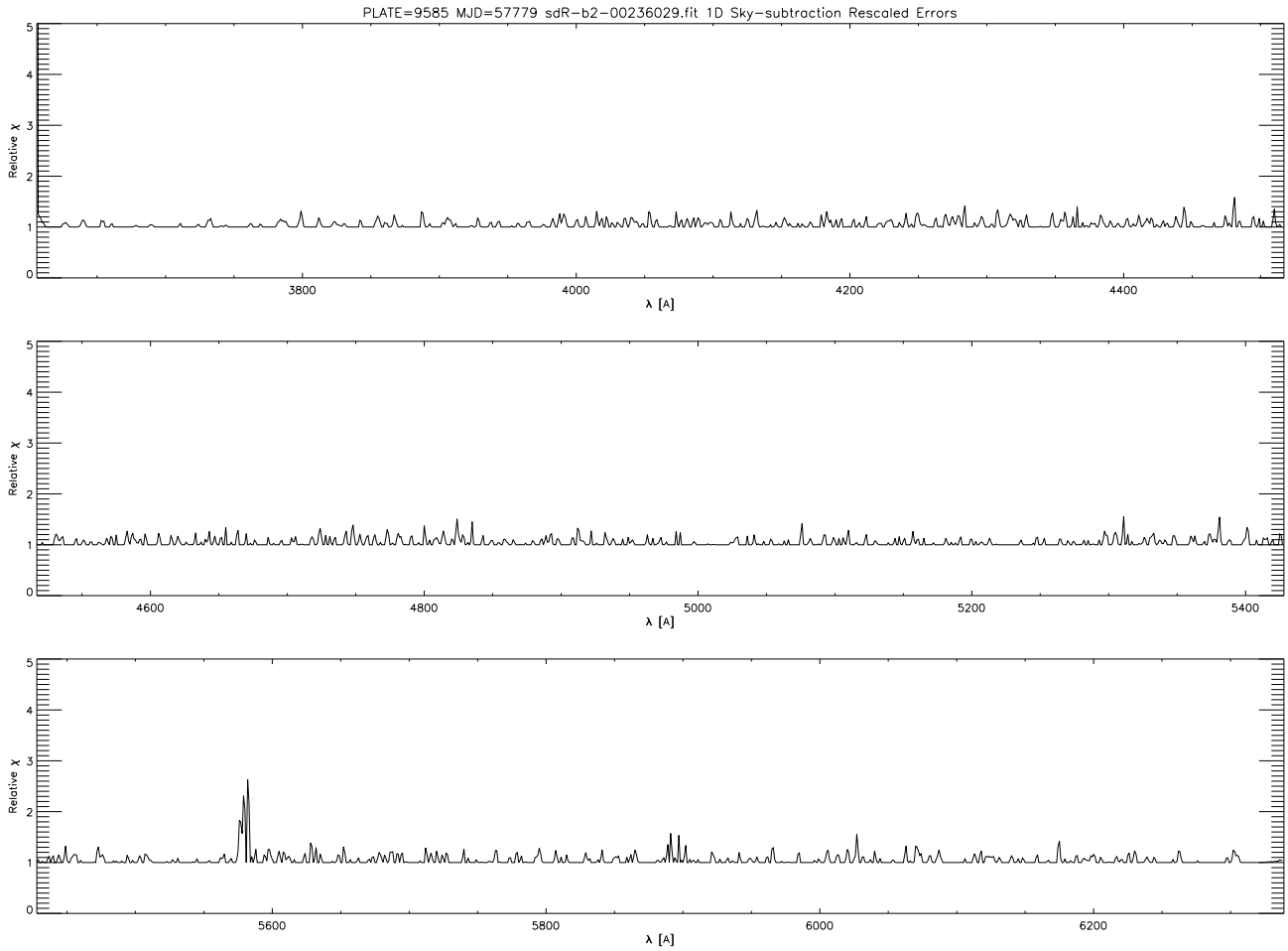

PLATE=9585 MJD=57779 Smooth superflat for sdR-b2-00236029.fit
2.0
1.5
1.0
0.5
0.0
1.04
1.02
1.00
0.98
0.96
3000
4000
5000
6000
7000
Wavelength (Å)

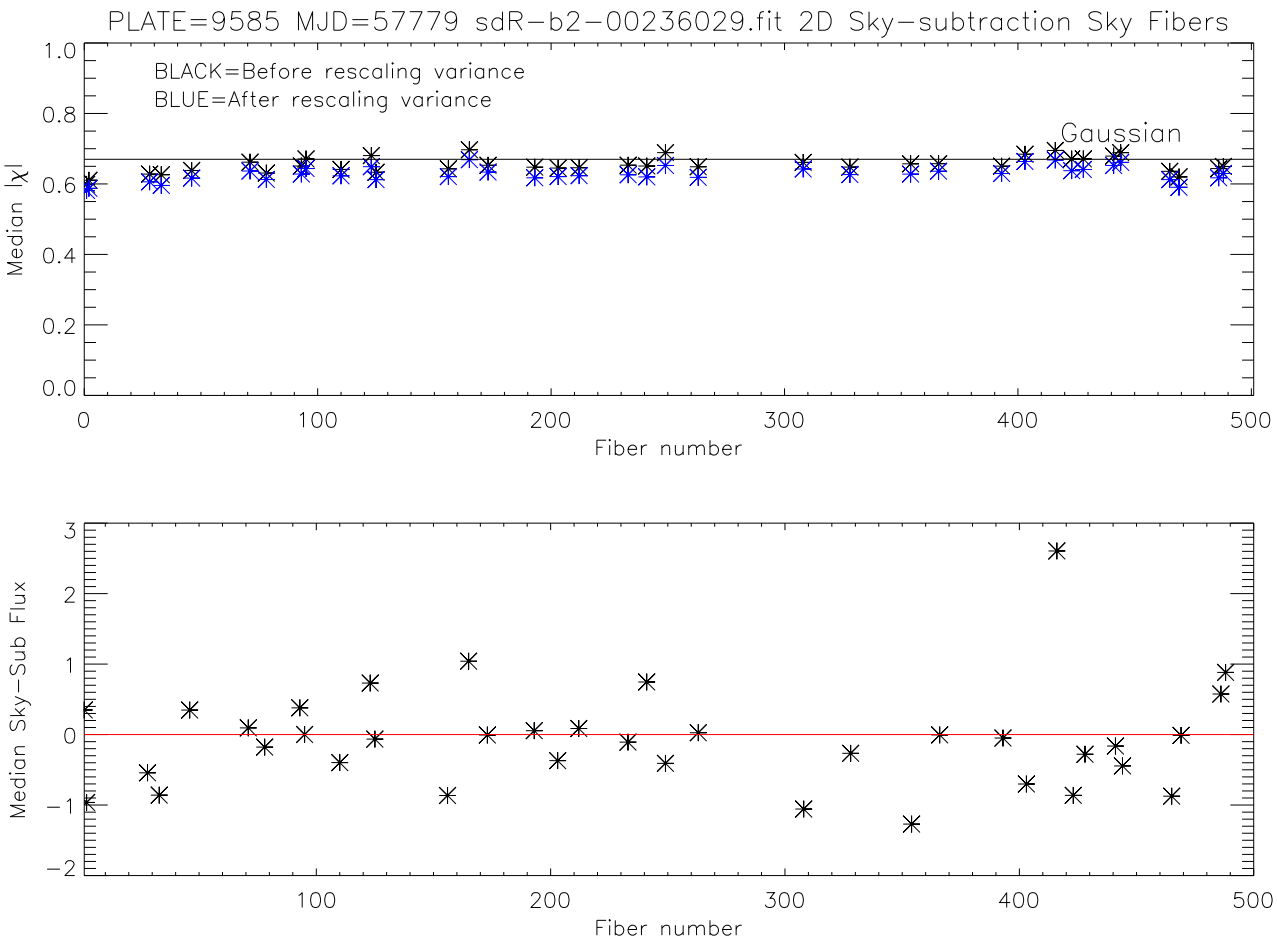

PLATE=9585 MJD=57779 sdR-b2-00236029.fit 1D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

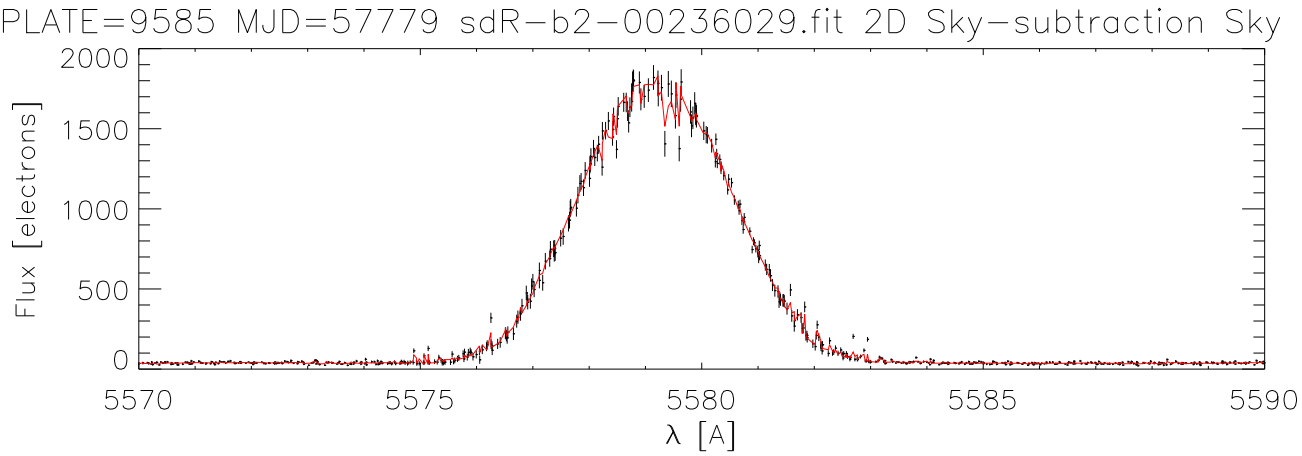

PLATE=9585 MJD=57779 sdR-b2-00236029.fit 1D Sky-subtraction Sky Fibers
Flux [electrons]
2000
1500
1000
500
0
5570
5575
5580
5585
5590
λ [A]

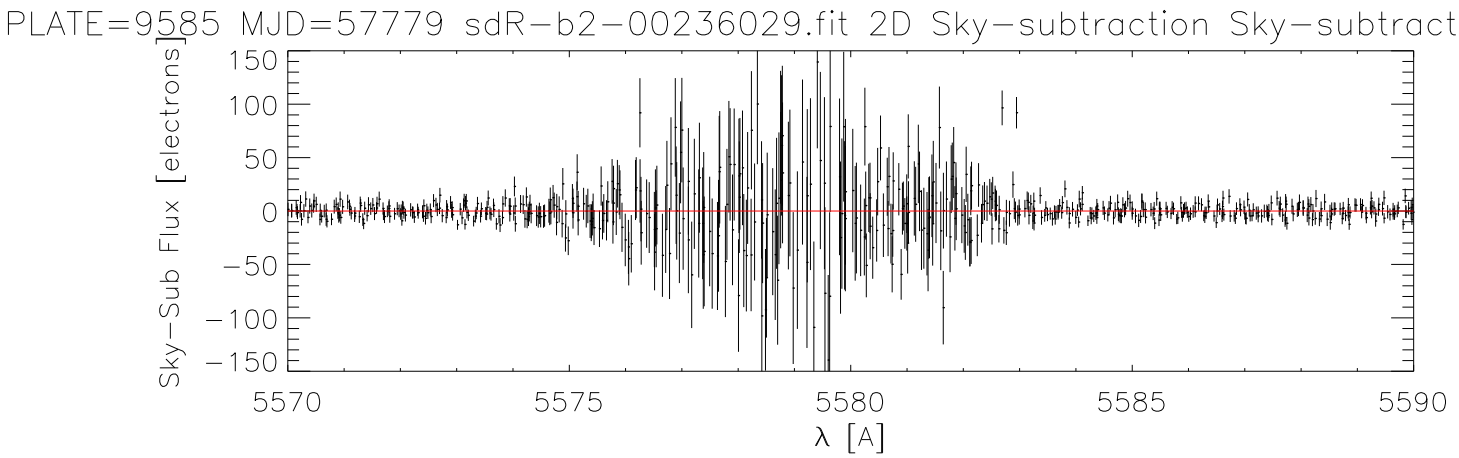

PLATE=9585 MJD=57779 sdR-b2-00236029.fit 1D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
200
100
0
-100
-200
-300
-400
5570
5575
5580
5585
5590
λ [A]

Number of sky fibers = 37

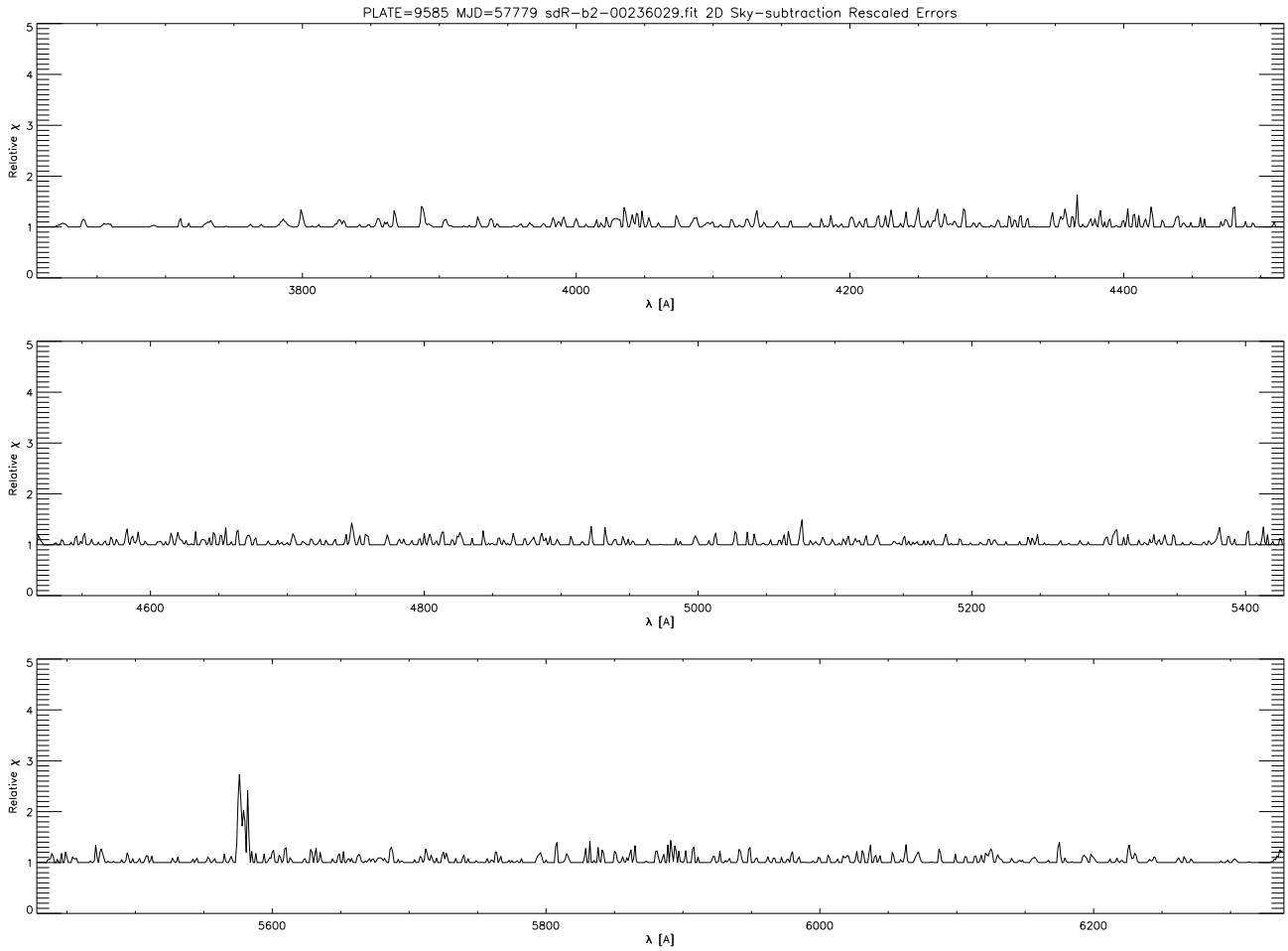


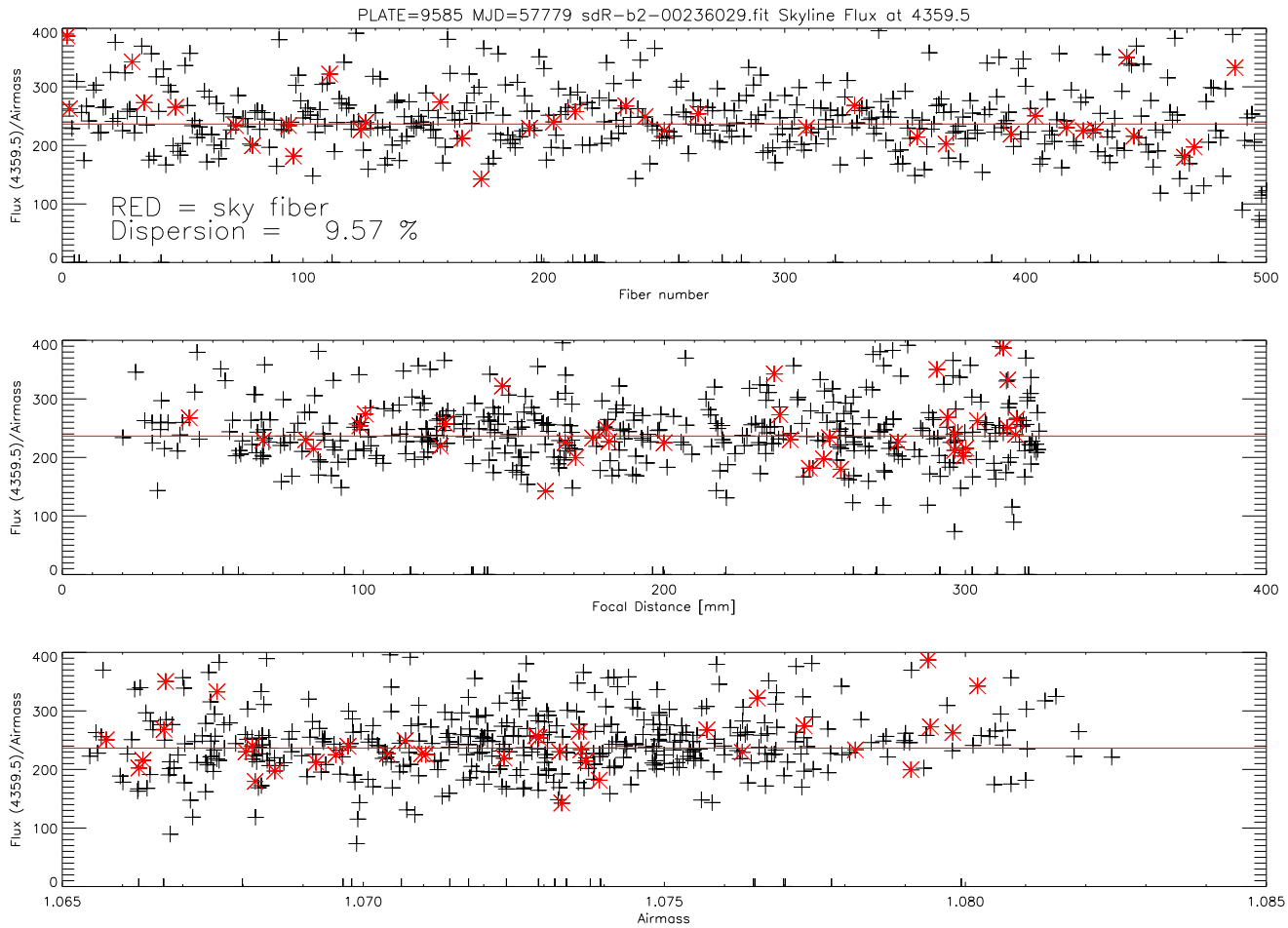

PLATE=9585 MJD=57779 sdR-b2-00236029.fit 2D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

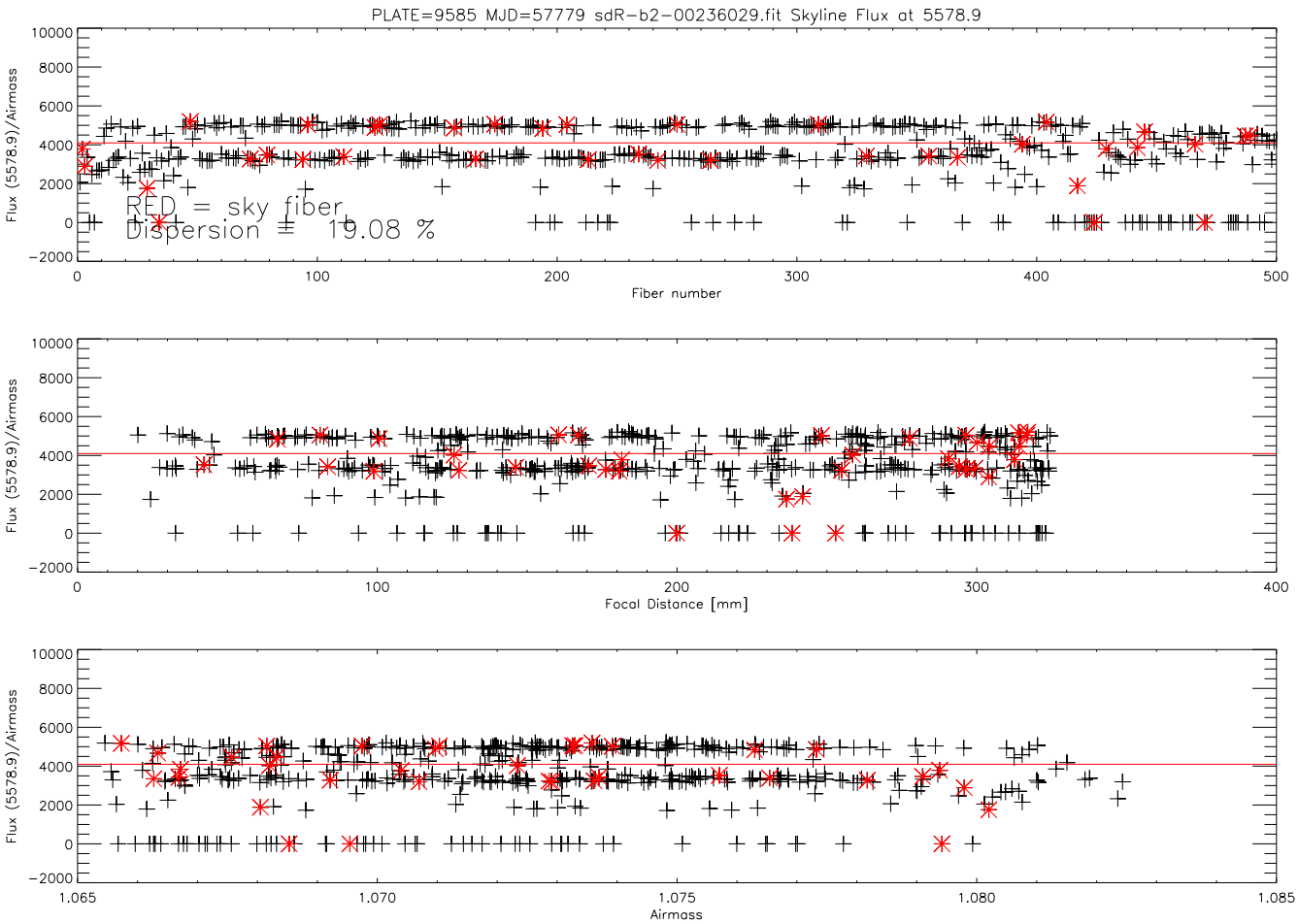

PLATE=9585 MJD=57779 sdR-b2-00236029.fit 2D Sky-subtraction Sky Fibers
Flux [electrons]
2000
1500
1000
500
0
5570
5575
5580
5585
5590
λ [A]

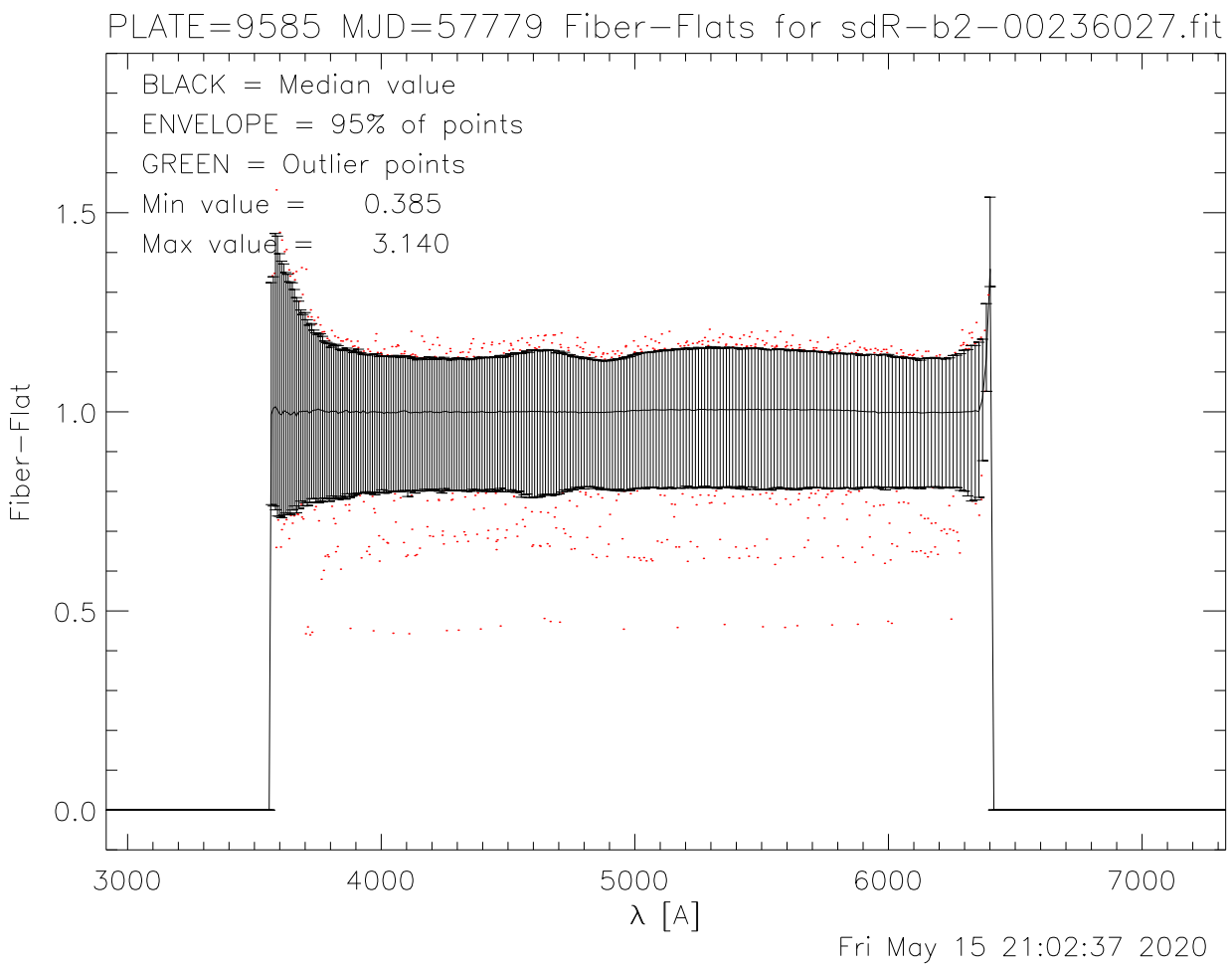

PLATE=9585 MJD=57779 sdR-b2-00236029.fit 2D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
150
100
50
0
-50
-100
-150
5570
5575
5580
5585
5590
λ [A]

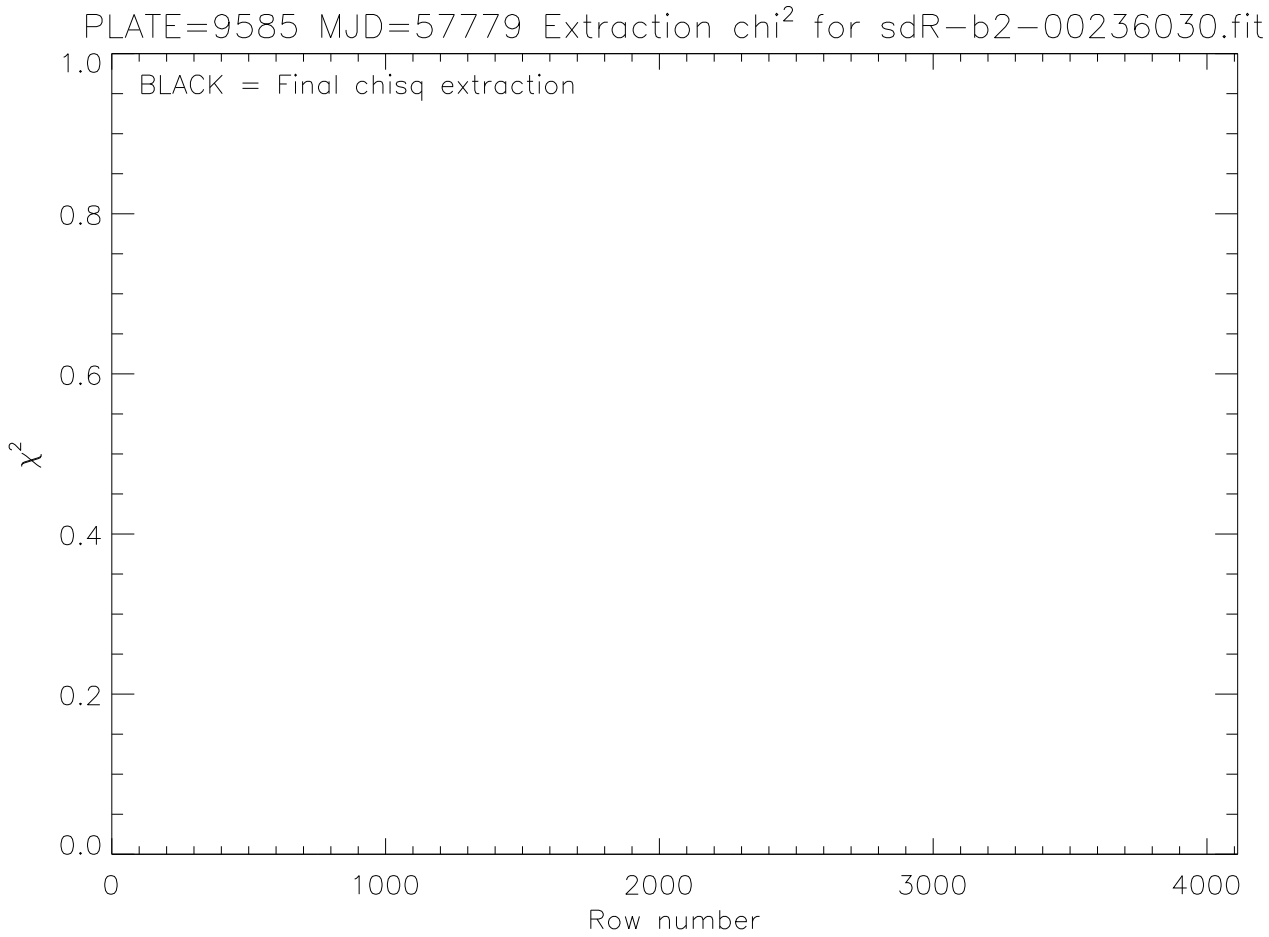
Number of sky fibers = 37

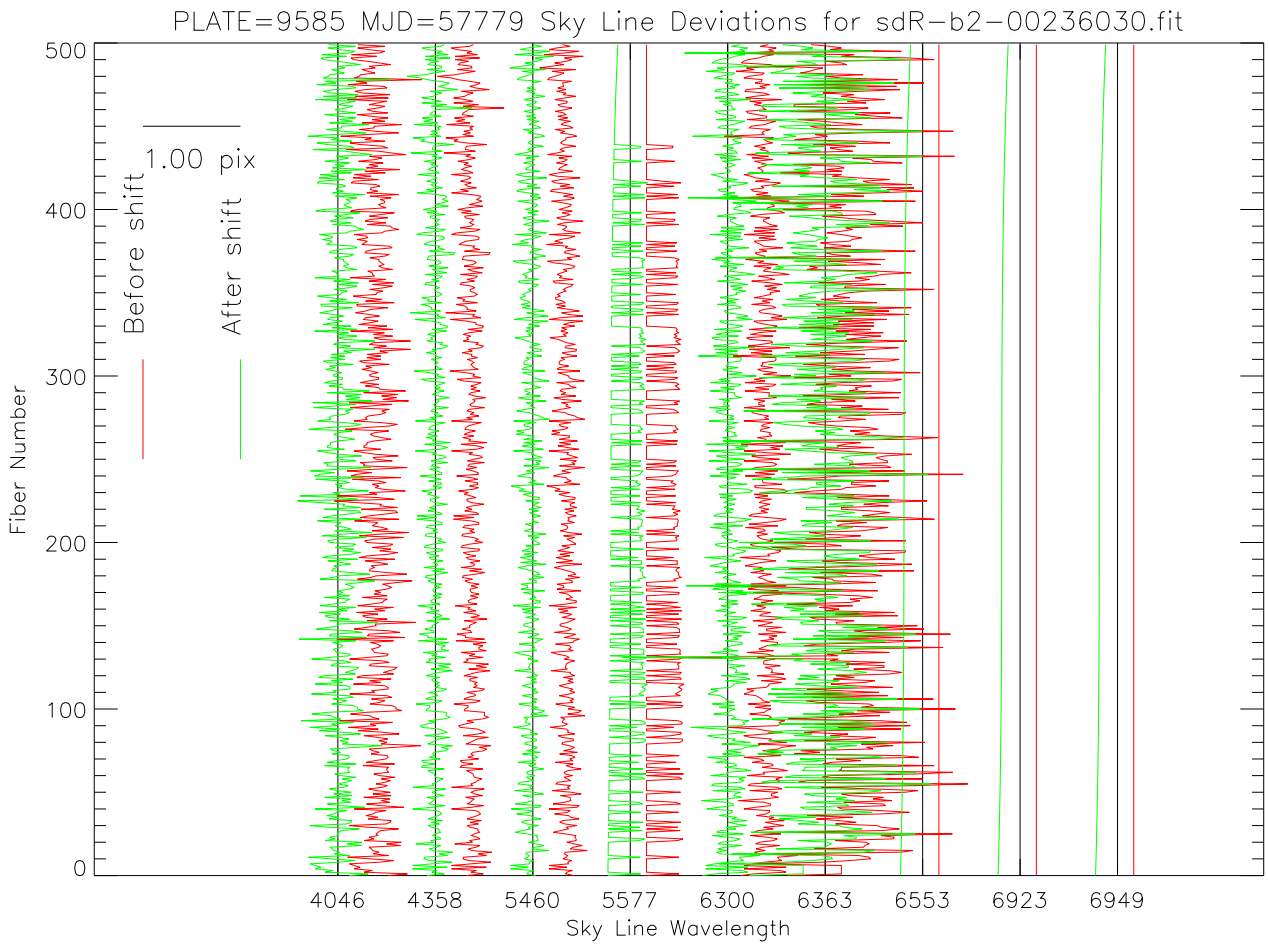


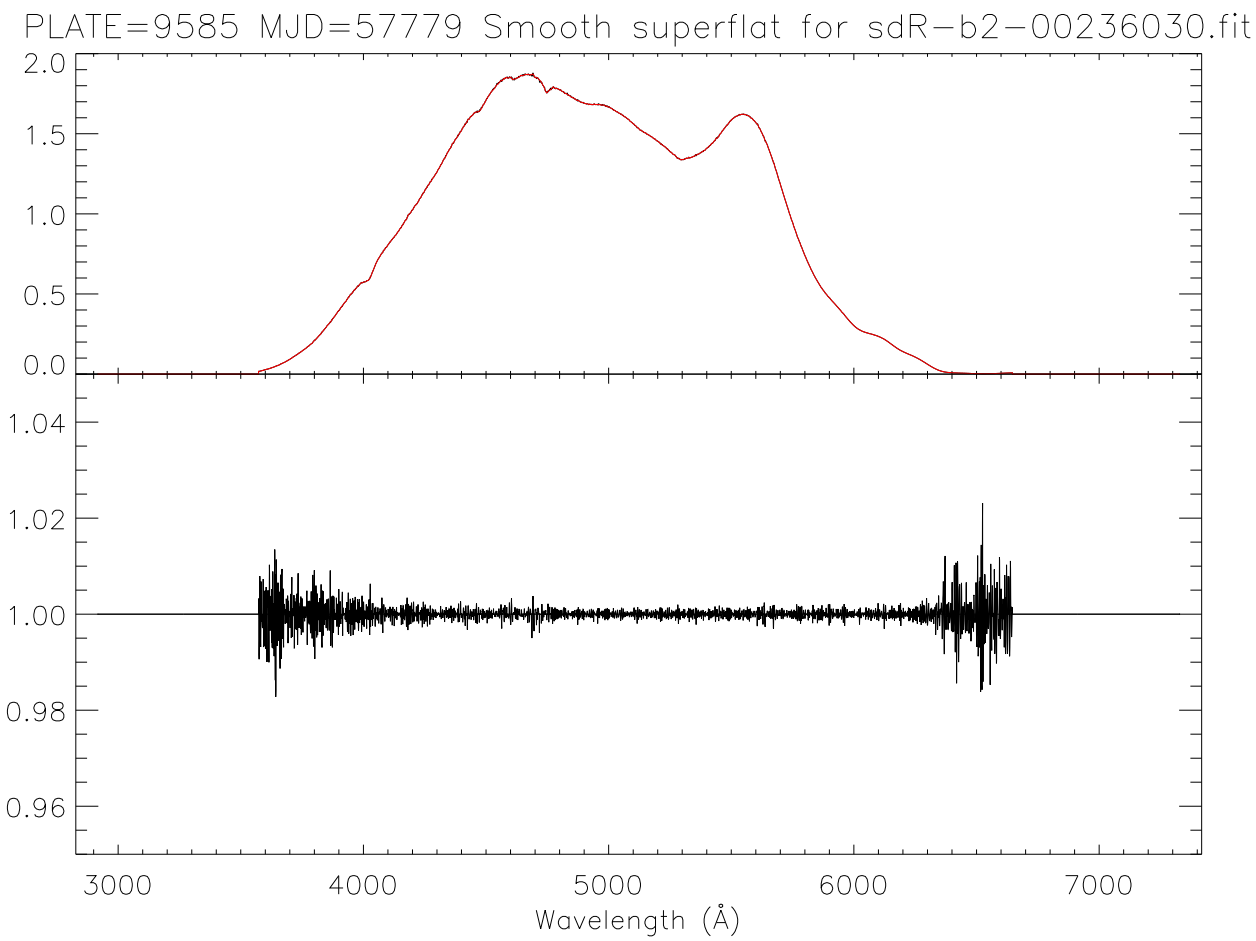

PLATE=9585 MJD=57779 sdR-b2-00236029.fit Skyline Flux at 4359.5
Flux (4359.5)/Airmass
RED = sky fiber
Dispersion = 9.57 %
Fiber number
Flux (4359.5)/Airmass
Focal Distance [mm]
Flux (4359.5)/Airmass
Airmass

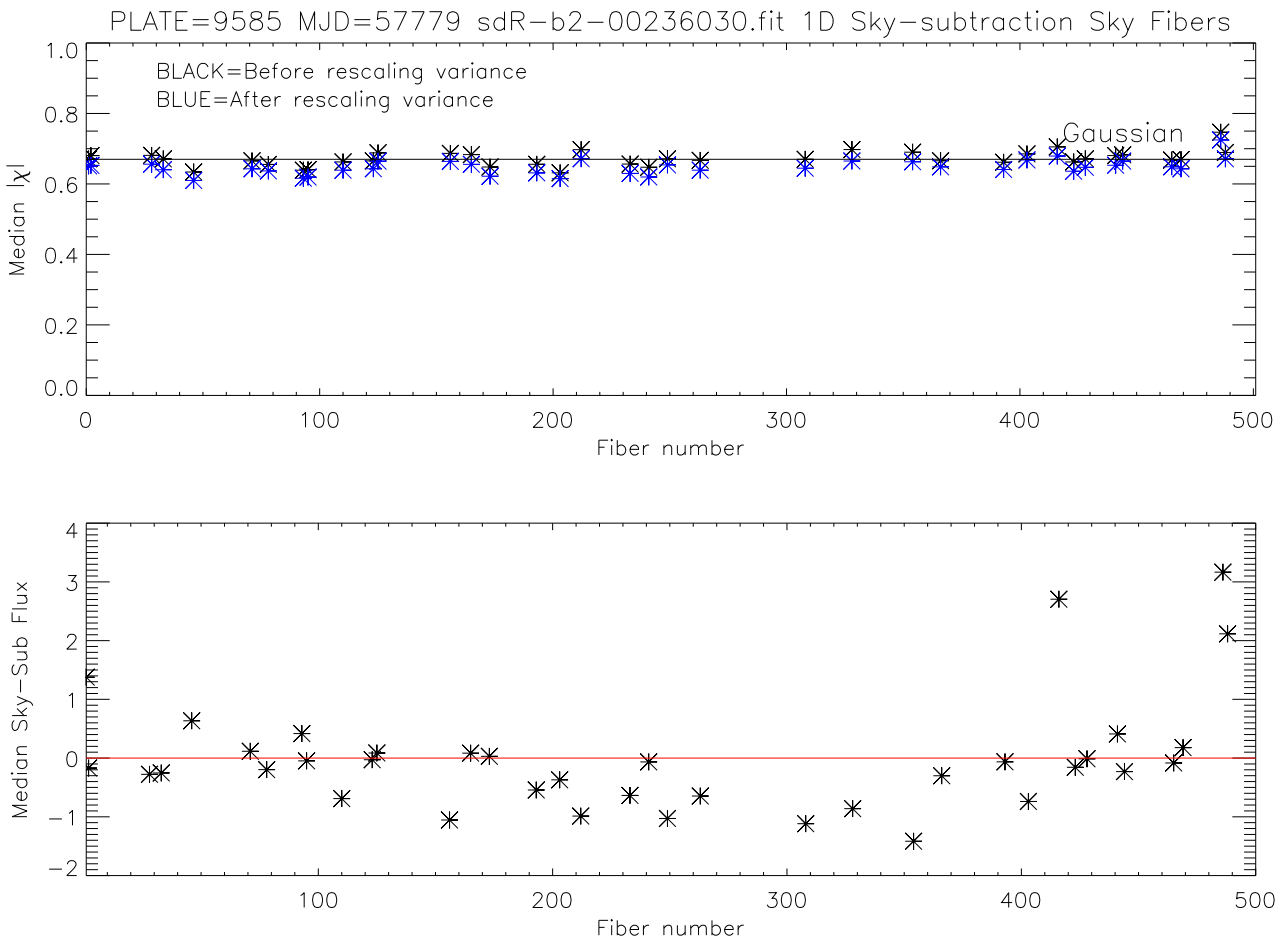

PLATE=9585 MJD=57779 sdR-b2-00236029.fit Skyline Flux at 5578.9
Flux (5578.9)/Airmass
Fiber number
RED = sky fiber
Dispersion = 19.08 %
Flux (5578.9)/Airmass
Focal Distance [mm]
Flux (5578.9)/Airmass
Airmass

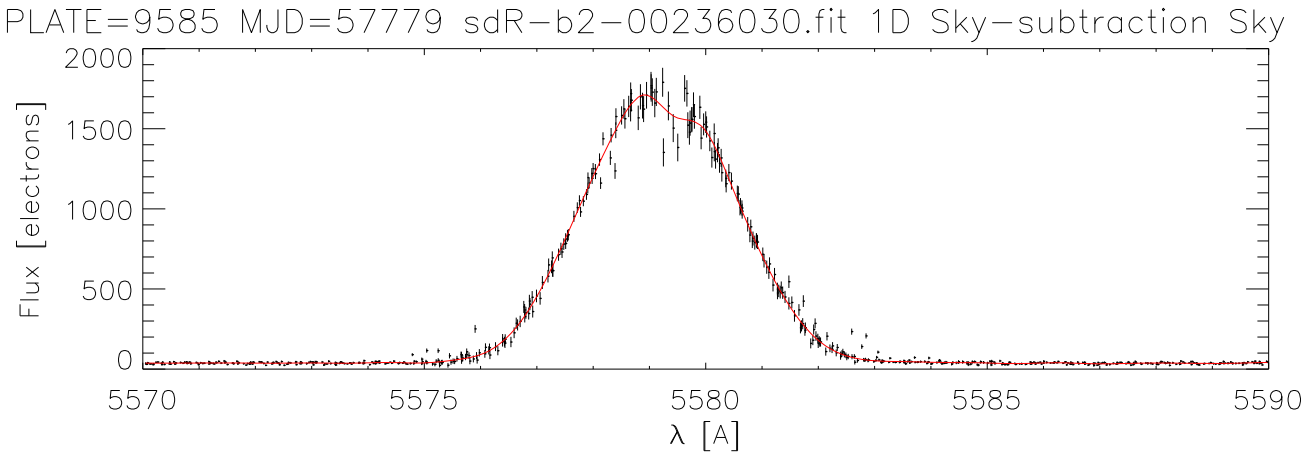

PLATE=9585 MJD=57779 Fiber−Flats for sdR−b2−00236027.fit
BLACK = Median value
ENVELOPE = 95% of points
GREEN = Outlier points
Min value = 0.385
Max value = 3.140
Fiber−Flat
1.5
1.0
0.5
0.0
3000
4000
5000
6000
7000
λ [A]
Fri May 15 21:02:37 2020

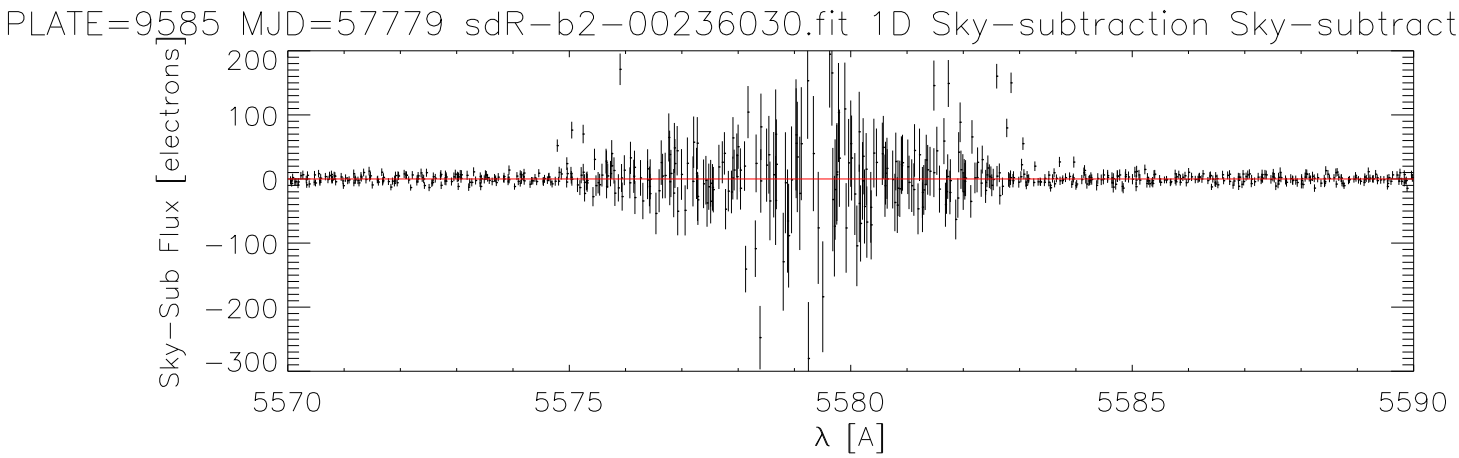

PLATE=9585 MJD=57779 Extraction chi^2 for sdR-b2-00236030.fit
BLACK = Final chisq extraction
χ^2
1.0
0.8
0.6
0.4
0.2
0.0
0
1000
2000
3000
4000
Row number


PLATE=9585 MJD=57779 Sky Line Deviations for sdR-b2-00236030.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

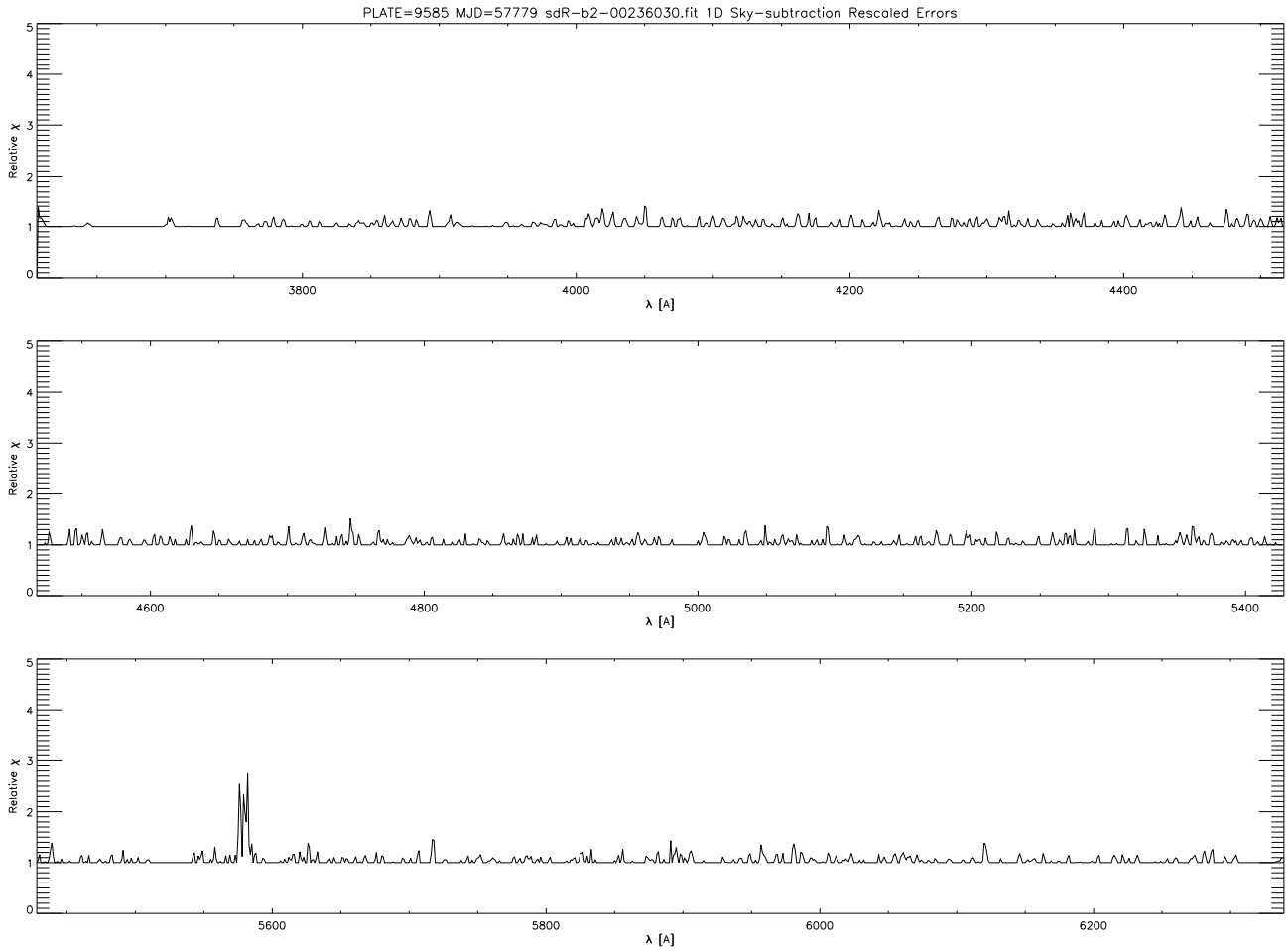

PLATE=9585 MJD=57779 Smooth superflat for sdR-b2-00236030.fit
2.0
1.5
1.0
0.5
0.0
1.04
1.02
1.00
0.98
0.96
3000
4000
5000
6000
7000
Wavelength (Å)

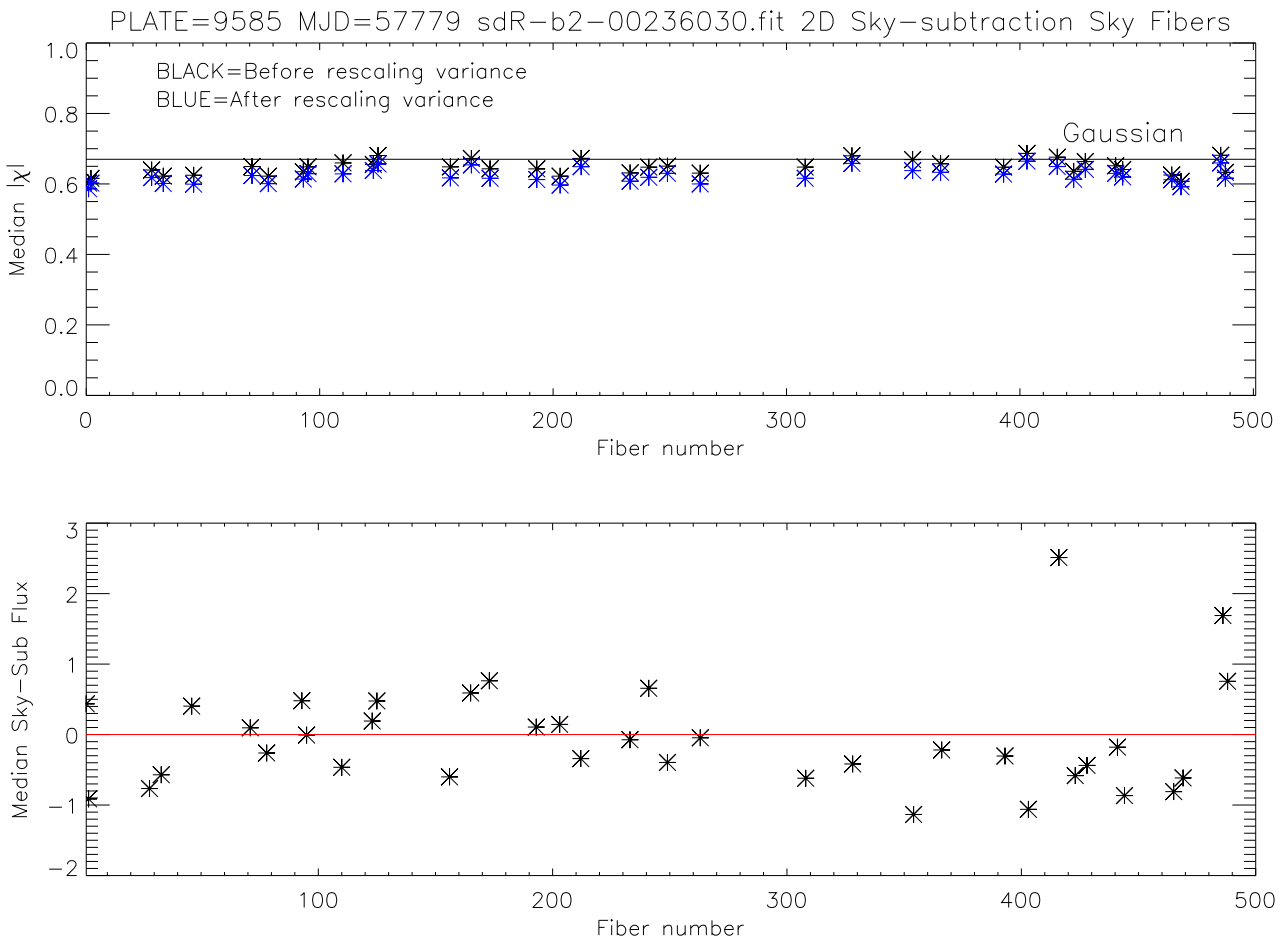

PLATE=9585 MJD=57779 sdR-b2-00236030.fit 1D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

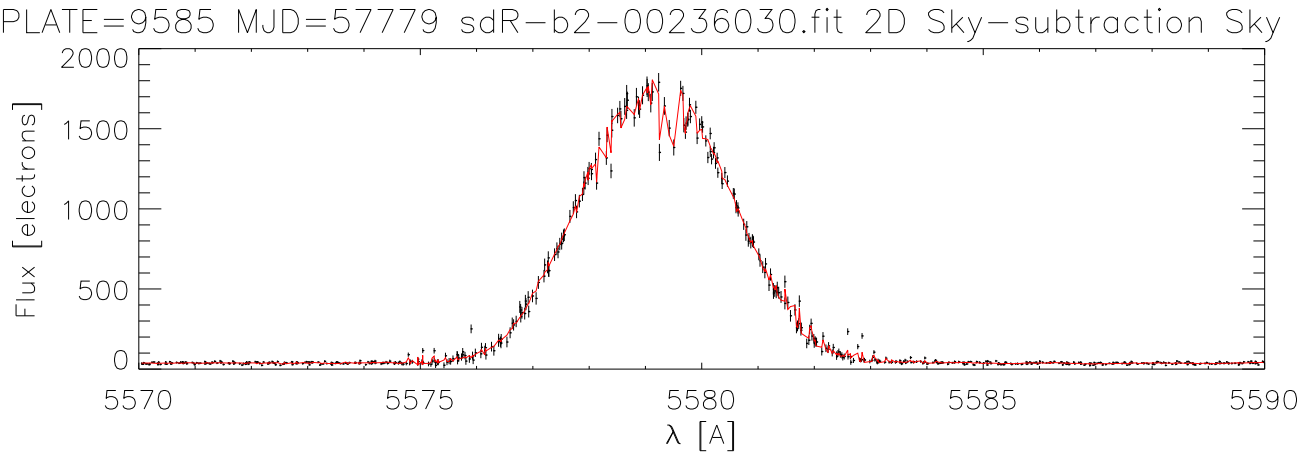

PLATE=9585 MJD=57779 sdR-b2-00236030.fit 1D Sky-subtraction Sky Fibers
Flux [electrons]
2000
1500
1000
500
0
5570
5575
5580
5585
5590
λ [A]

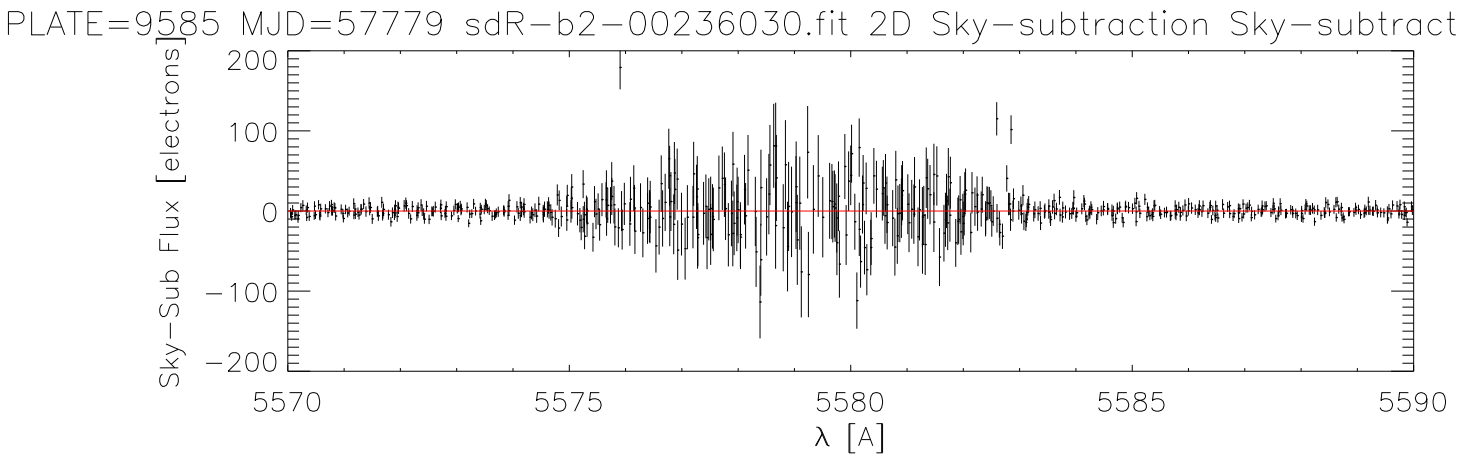

PLATE=9585 MJD=57779 sdR-b2-00236030.fit 1D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
200
100
0
-100
-200
-300
5570
5575
5580
5585
5590
λ [A]

Number of sky fibers = 37

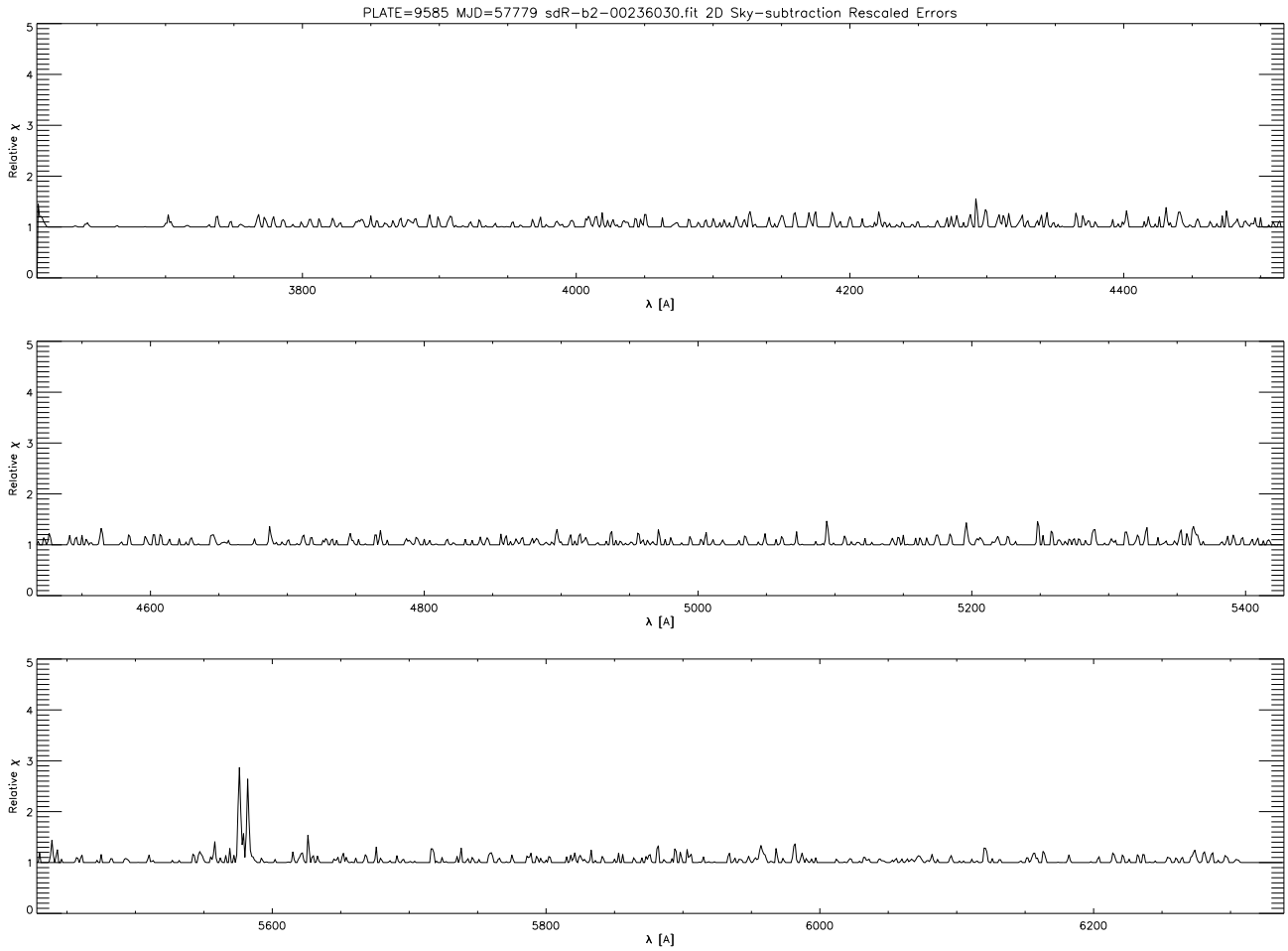


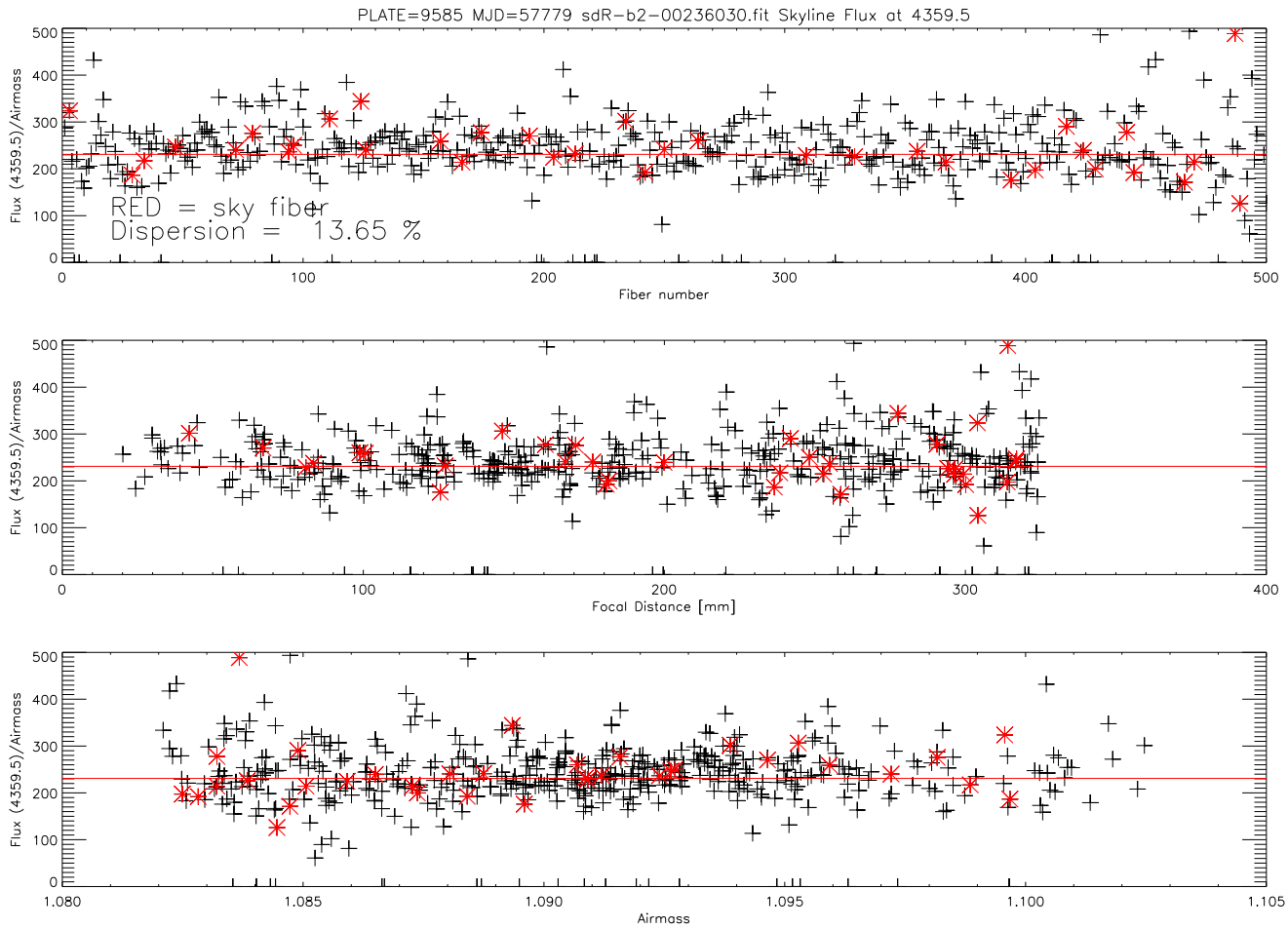

PLATE=9585 MJD=57779 sdR-b2-00236030.fit 2D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

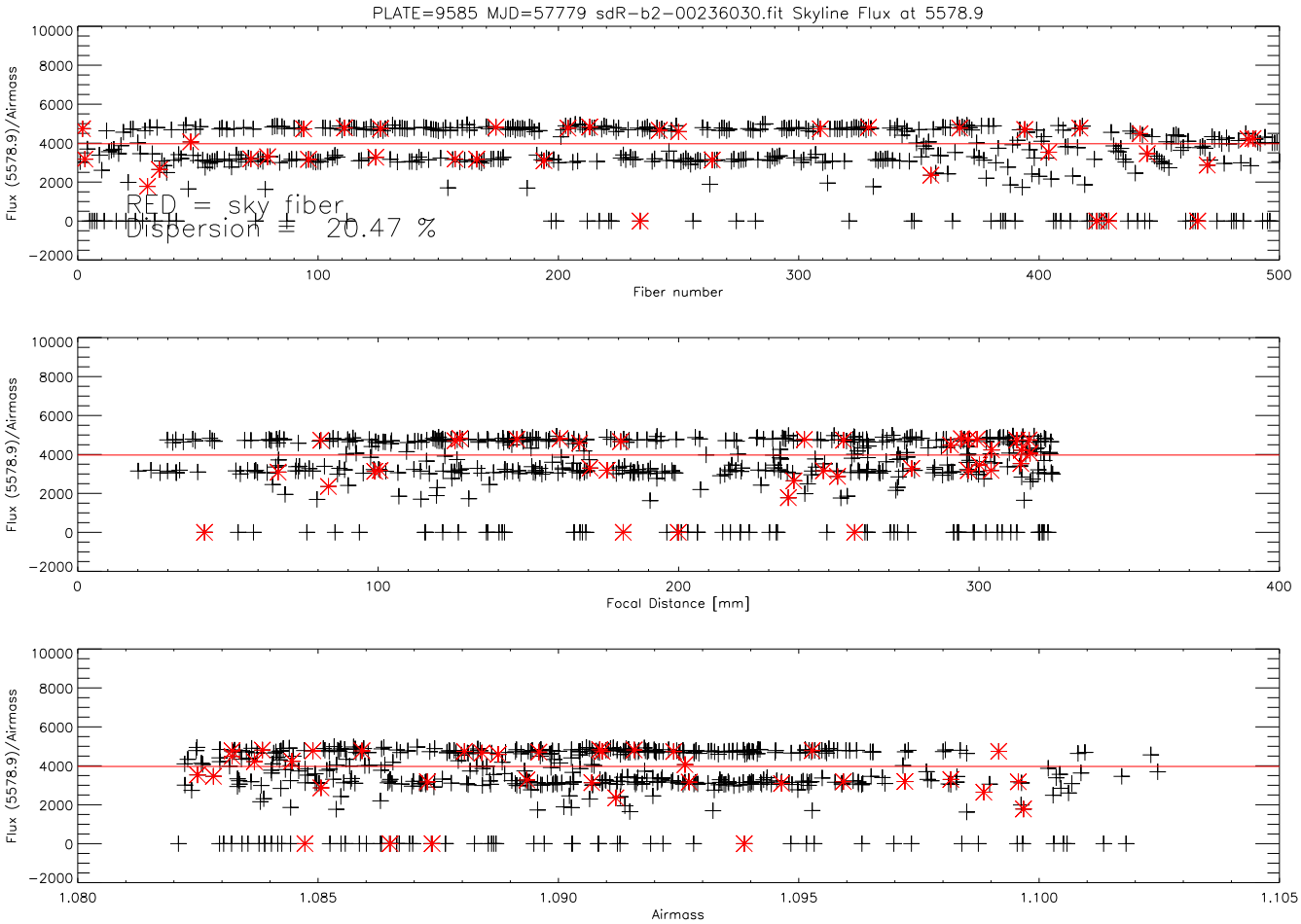

PLATE=9585 MJD=57779 sdR-b2-00236030.fit 2D Sky-subtraction Sky Fibers
Flux [electrons]
2000
1500
1000
500
0
5570
5575
5580
5585
5590
λ [A]

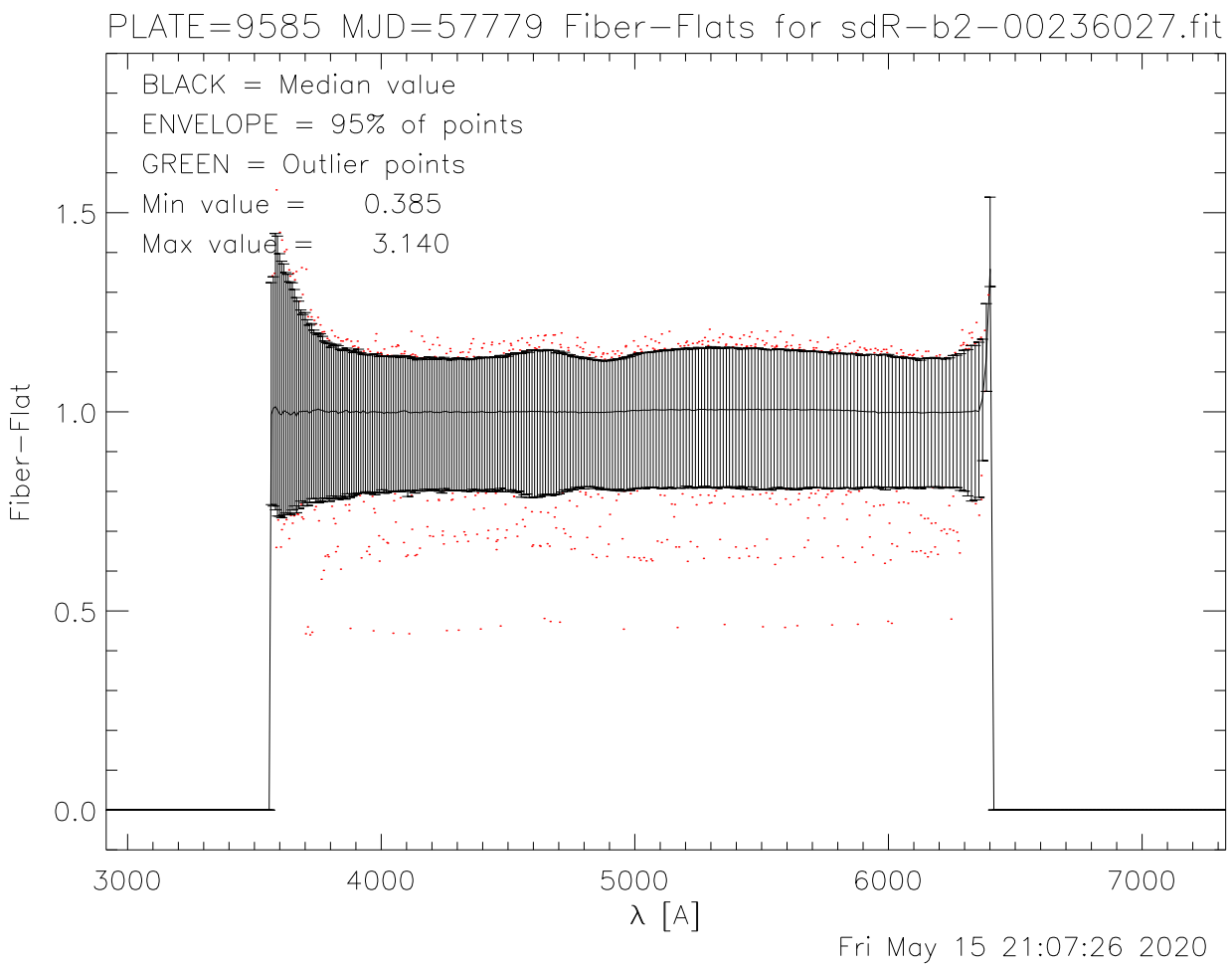

PLATE=9585 MJD=57779 sdR-b2-00236030.fit 2D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
200
100
0
-100
-200
5570
5575
5580
5585
5590
λ [A]

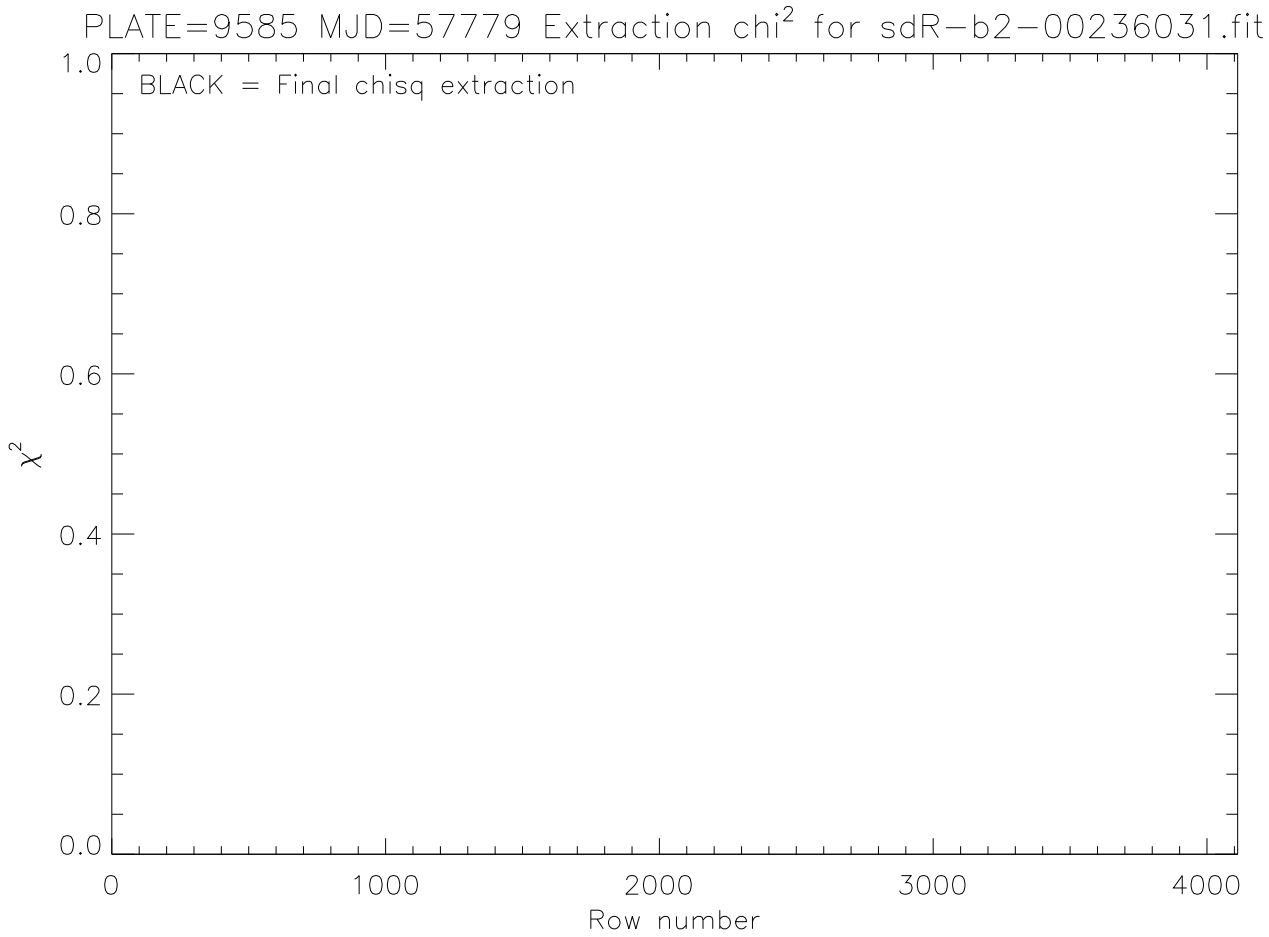
Number of sky fibers = 37

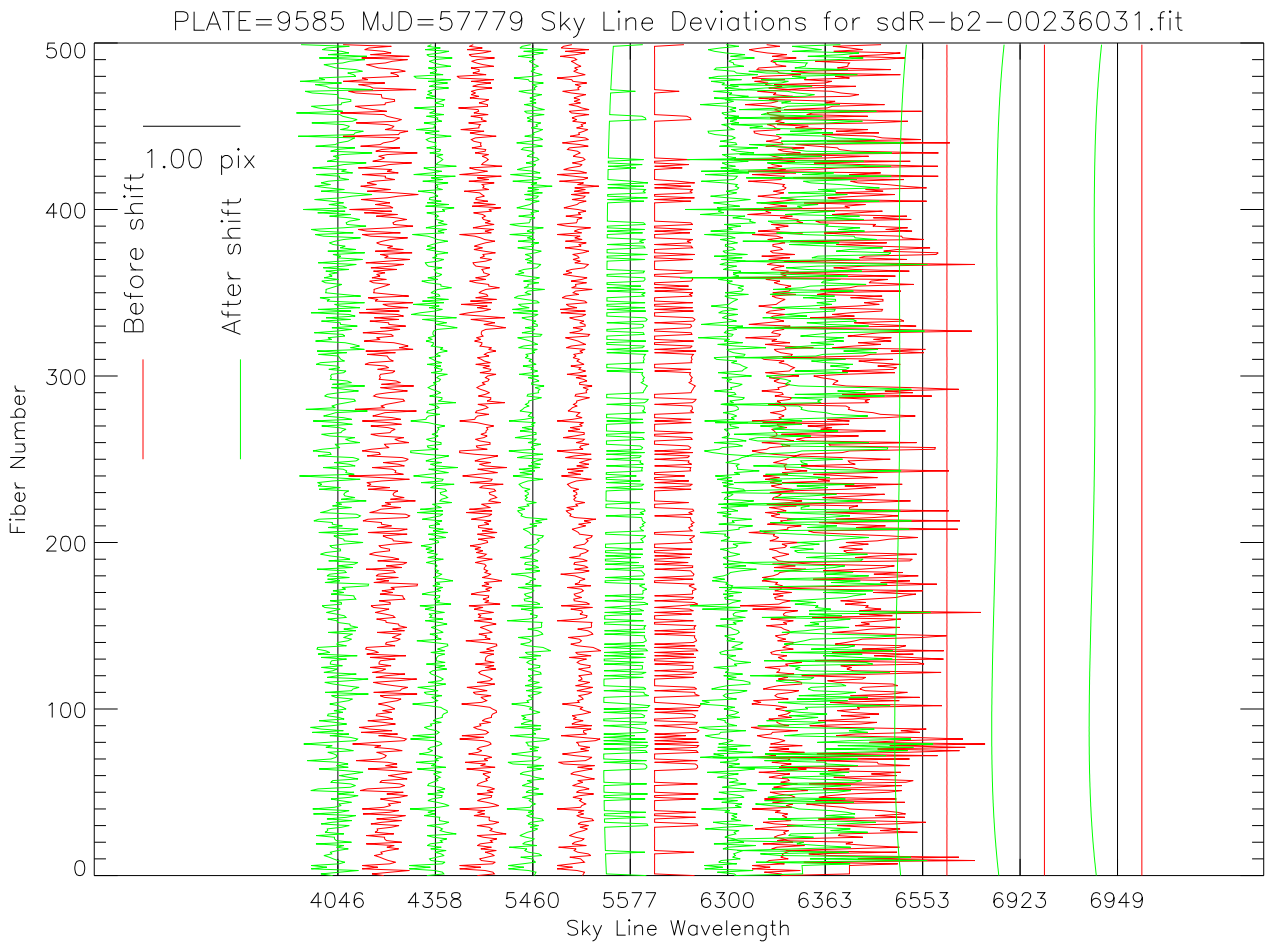


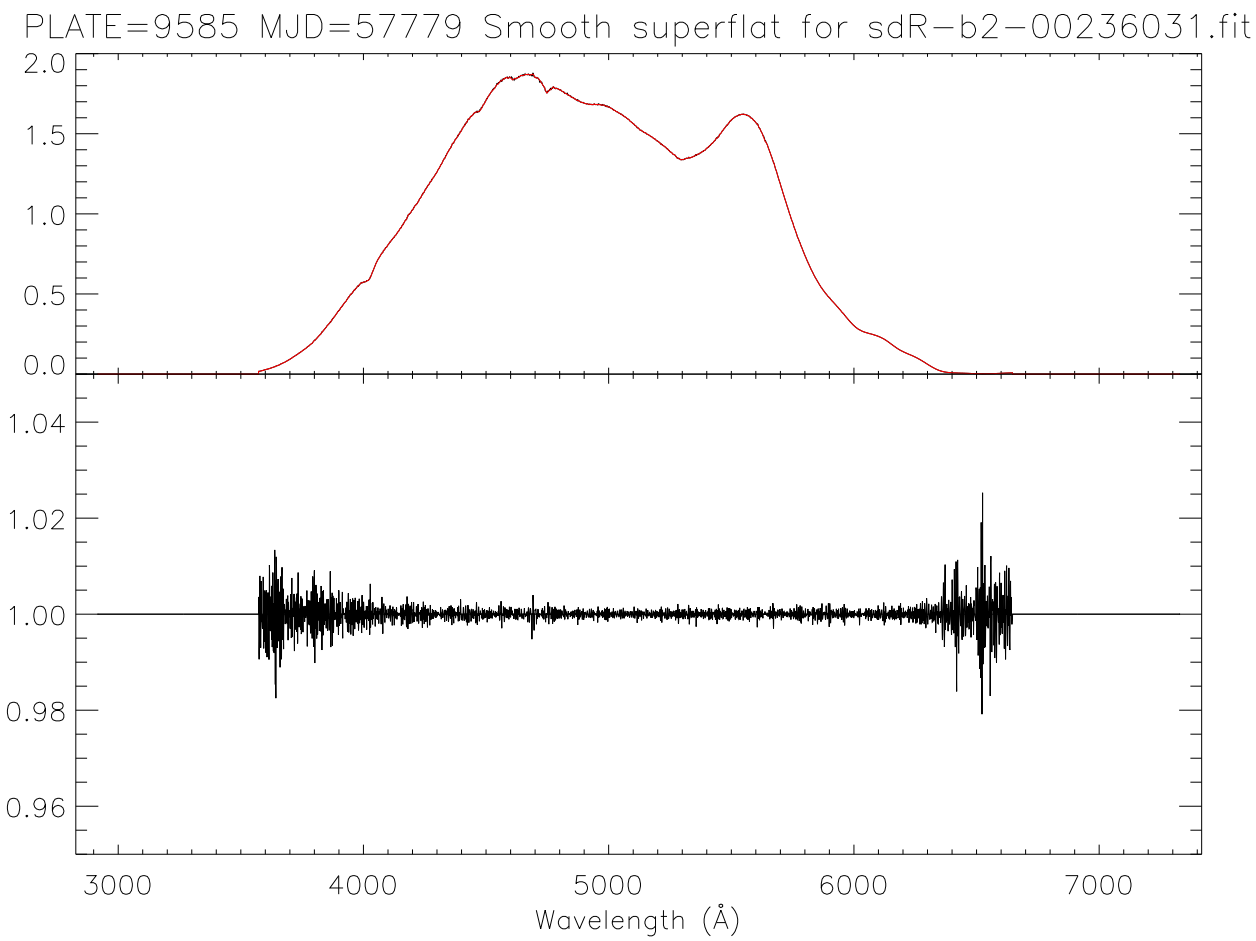

PLATE=9585 MJD=57779 sdR-b2-00236030.fit Skyline Flux at 4359.5
Flux (4359.5)/Airmass
RED = sky fiber
Dispersion = 13.65 %
Fiber number
Flux (4359.5)/Airmass
Focal Distance [mm]
Flux (4359.5)/Airmass
Airmass

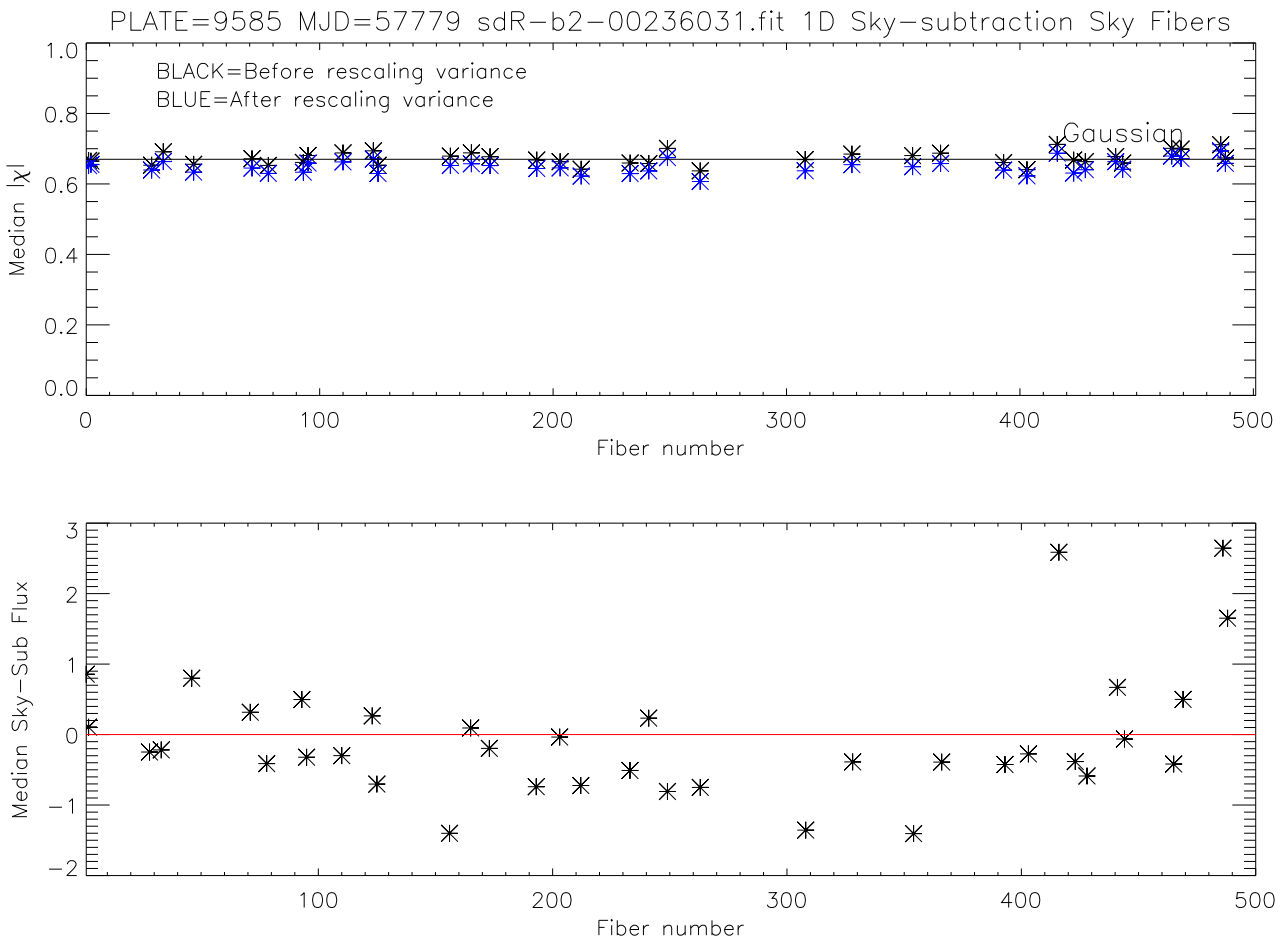

PLATE=9585 MJD=57779 sdR-b2-00236030.fit Skyline Flux at 5578.9
Flux (5578.9)/Airmass
Fiber number
RED = sky fiber
Dispersion = 20.47 %
Flux (5578.9)/Airmass
Focal Distance [mm]
Flux (5578.9)/Airmass
Airmass

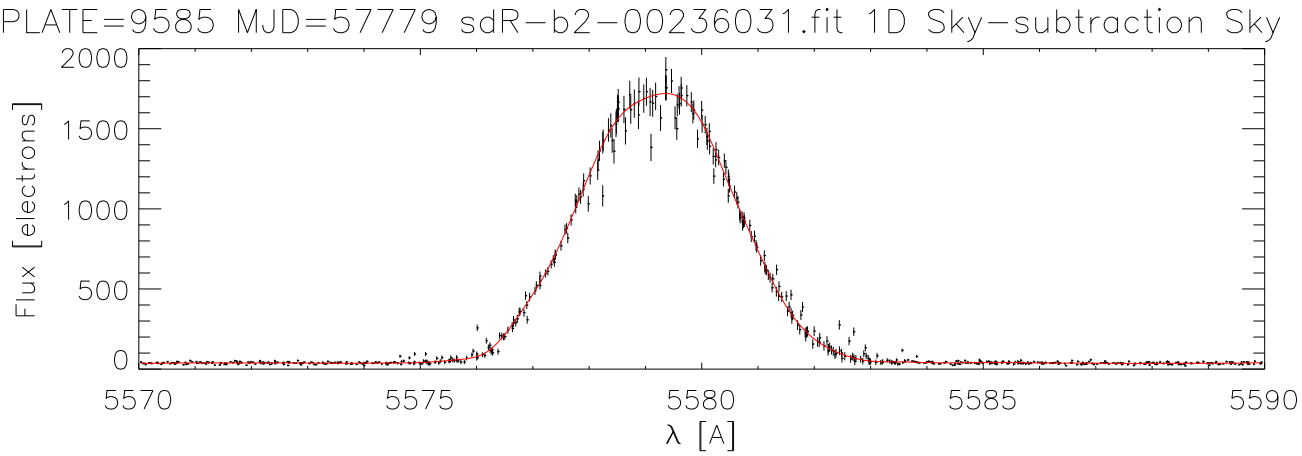

PLATE=9585 MJD=57779 Fiber-Flats for sdR-b2-00236027.fit
BLACK = Median value
ENVELOPE = 95% of points
GREEN = Outlier points
Min value = 0.385
Max value = 3.140
Fiber-Flat
1.5
1.0
0.5
0.0
3000
4000
5000
6000
7000
λ [A]
Fri May 15 21:07:26 2020

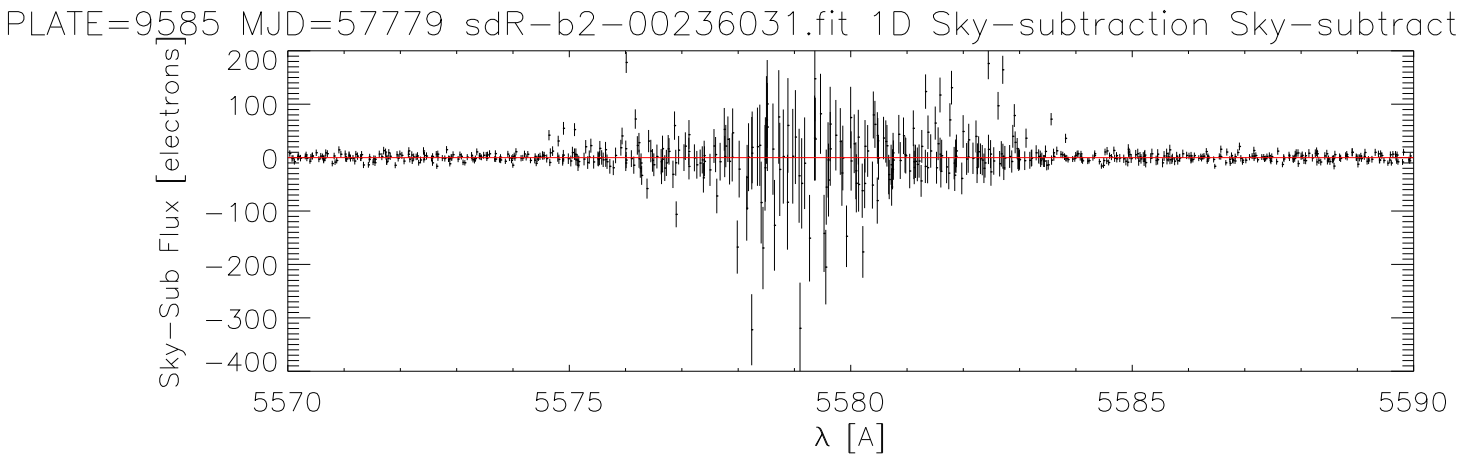

PLATE=9585 MJD=57779 Extraction chi^2 for sdR-b2-00236031.fit
BLACK = Final chisq extraction
χ^2
1.0
0.8
0.6
0.4
0.2
0.0
0
1000
2000
3000
4000
Row number


PLATE=9585 MJD=57779 Sky Line Deviations for sdR-b2-00236031.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

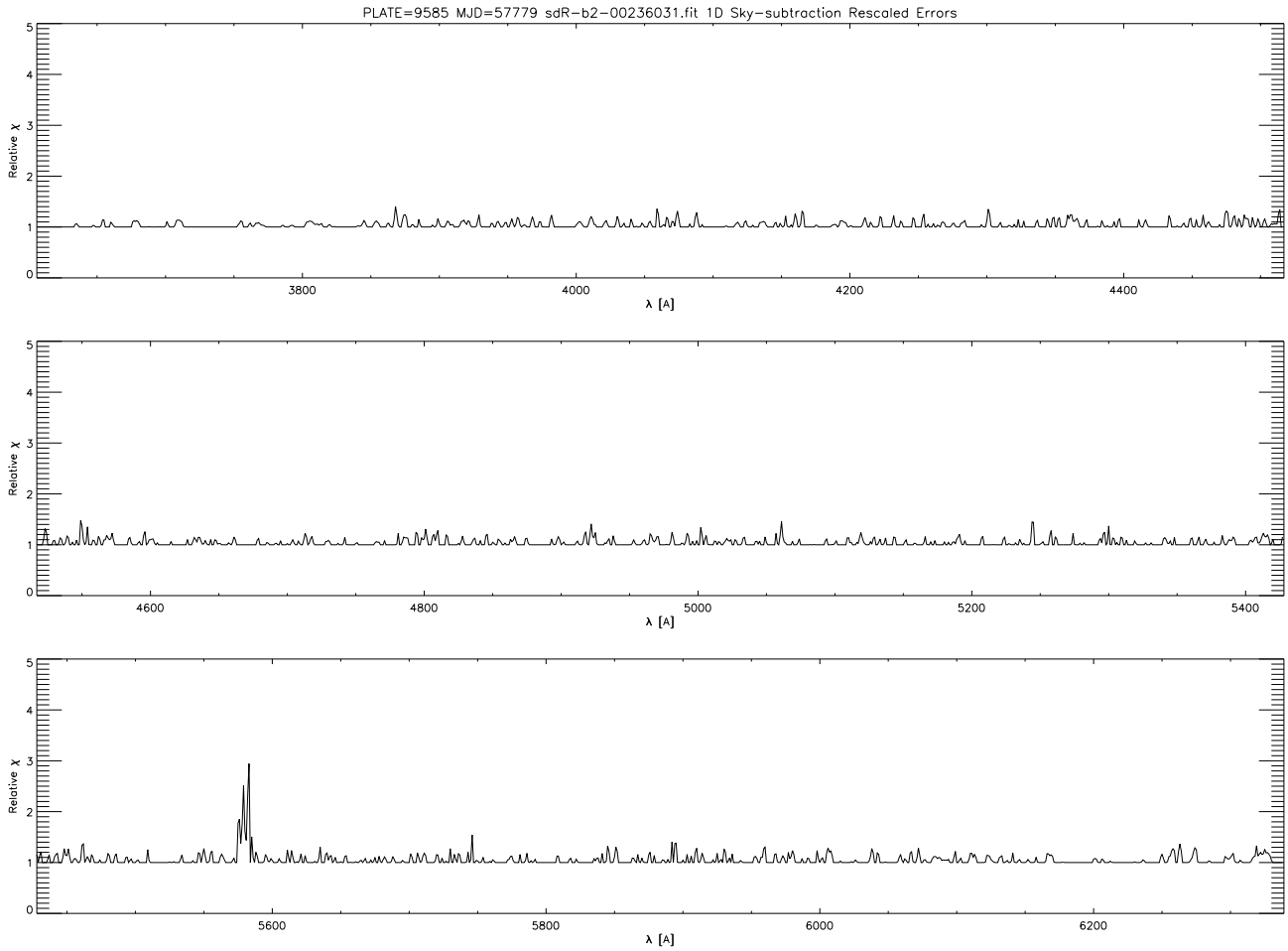

PLATE=9585 MJD=57779 Smooth superflat for sdR-b2-00236031.fit
2.0
1.5
1.0
0.5
0.0
1.04
1.02
1.00
0.98
0.96
3000
4000
5000
6000
7000
Wavelength (Å)

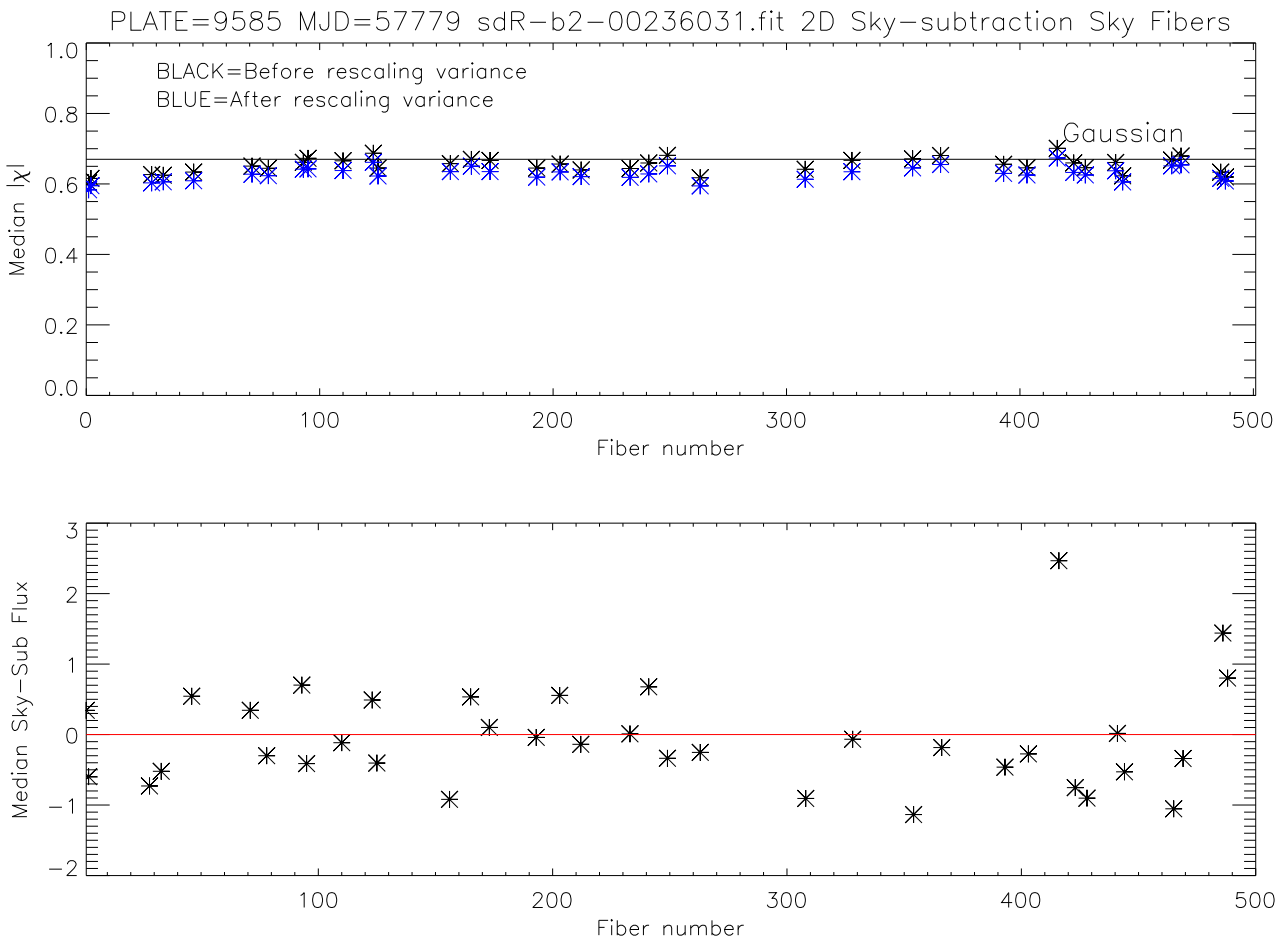

PLATE=9585 MJD=57779 sdR-b2-00236031.fit 1D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

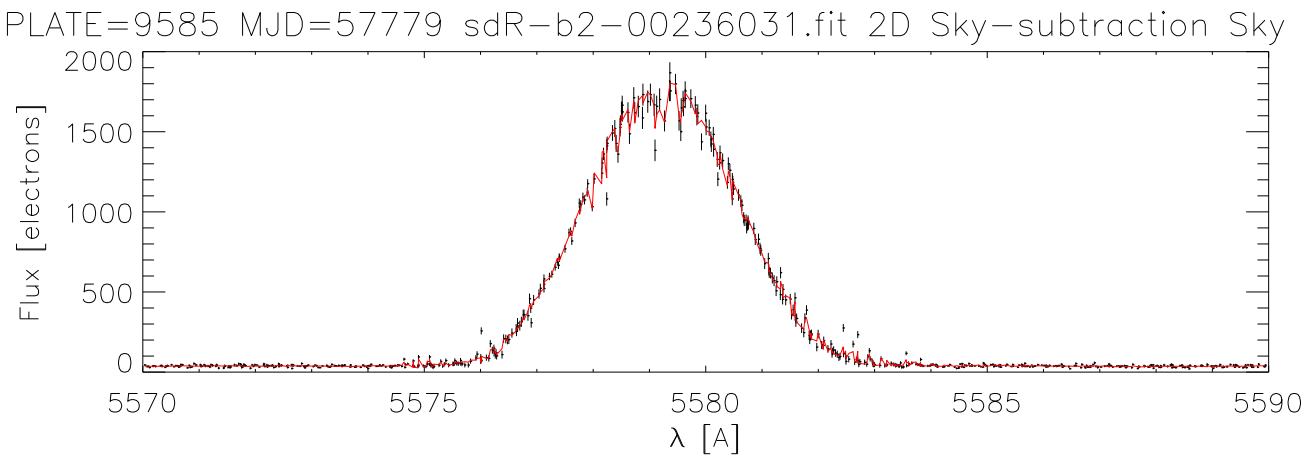

PLATE=9585 MJD=57779 sdR-b2-00236031.fit 1D Sky-subtraction Sky Fibers
Flux [electrons]
2000
1500
1000
500
0
5570
5575
5580
5585
5590
λ [A]

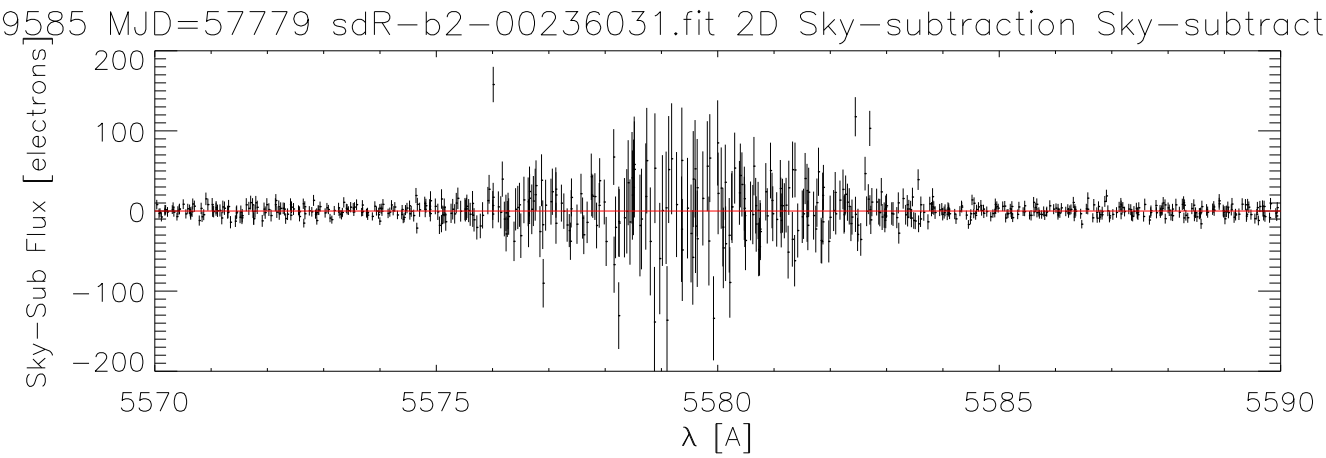

PLATE=9585 MJD=57779 sdR-b2-00236031.fit 1D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
200
100
0
-100
-200
-300
-400
5570
5575
5580
5585
5590
λ [A]

Number of sky fibers = 37

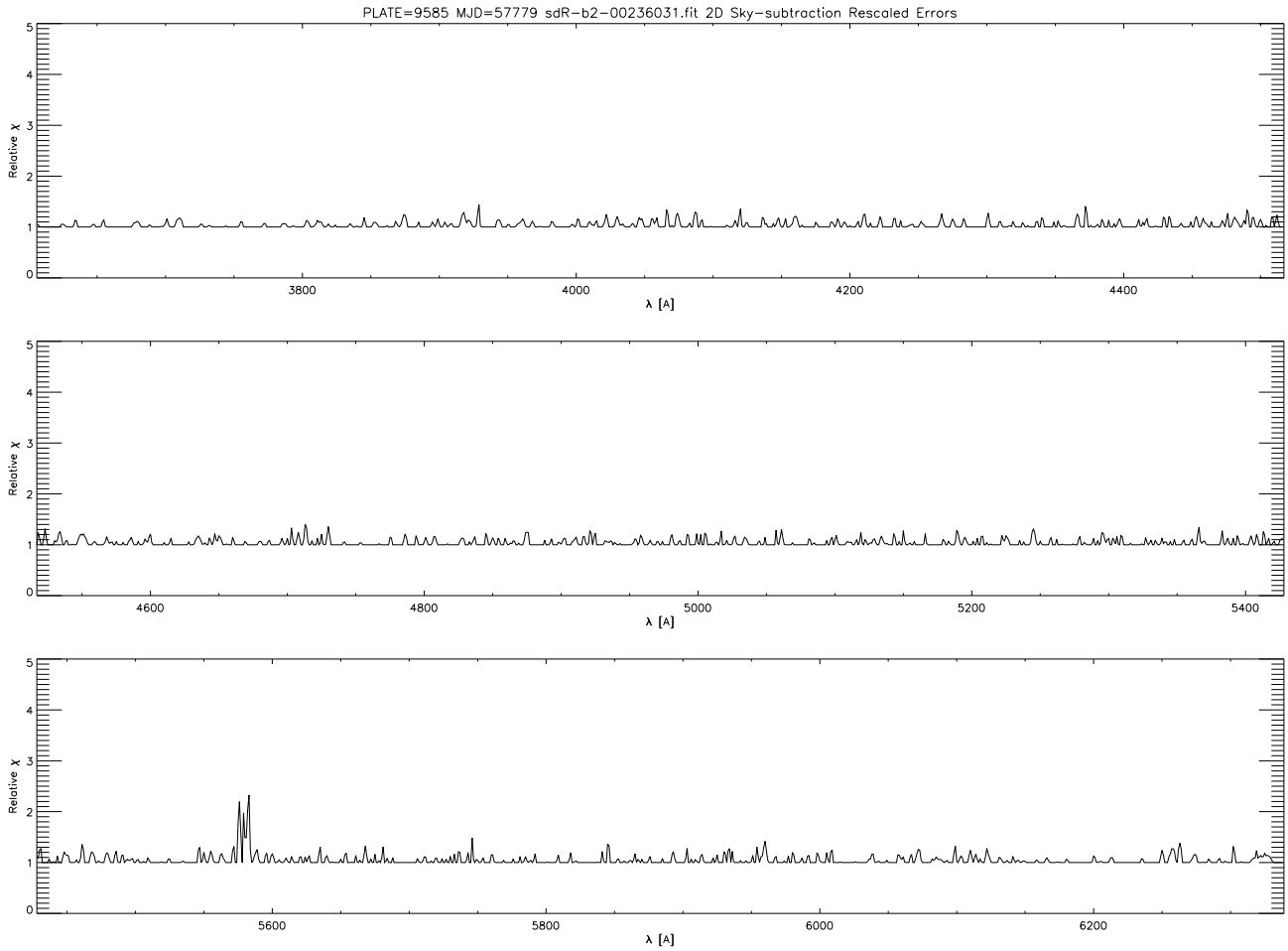


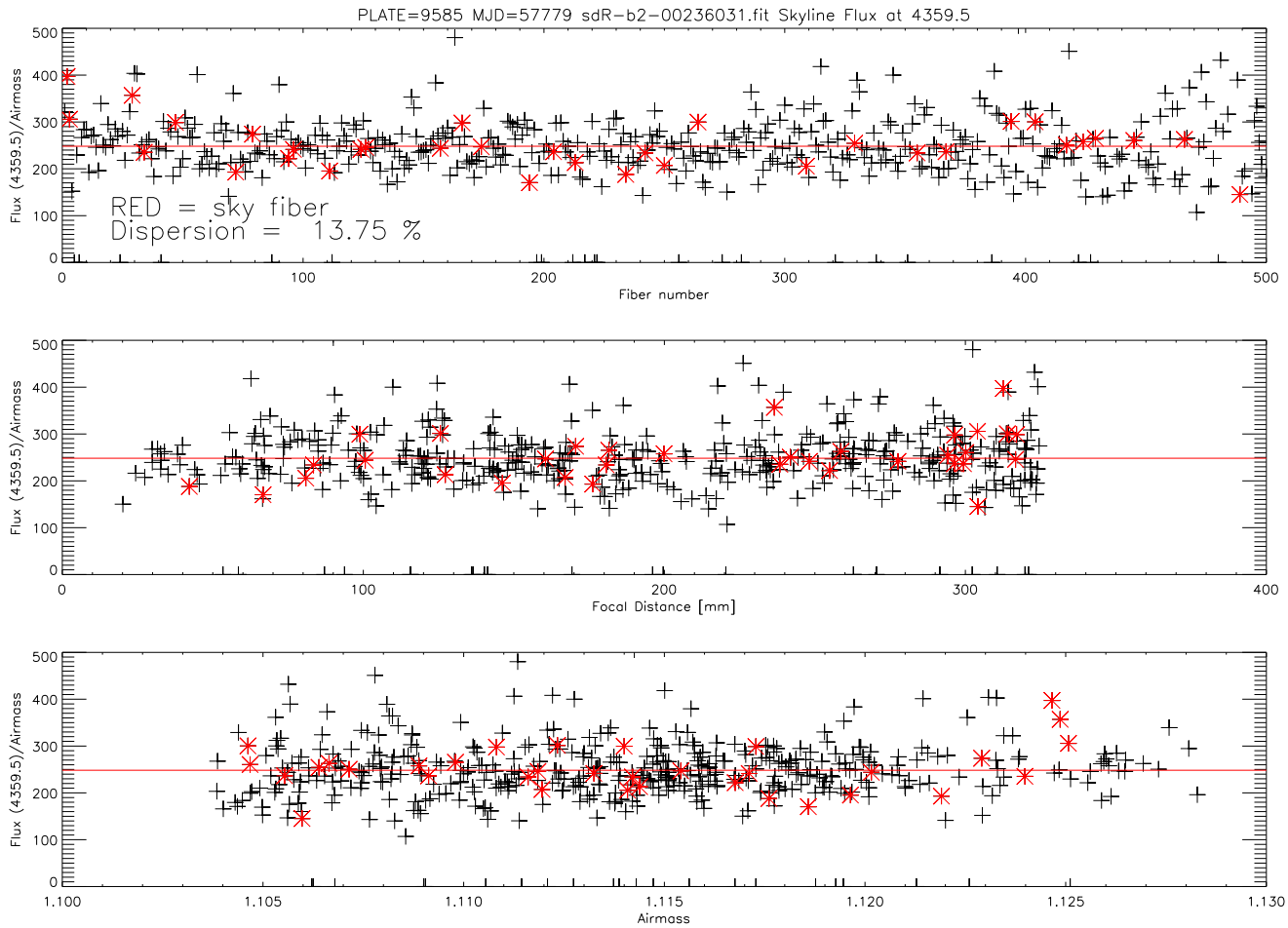

PLATE=9585 MJD=57779 sdR-b2-00236031.fit 2D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

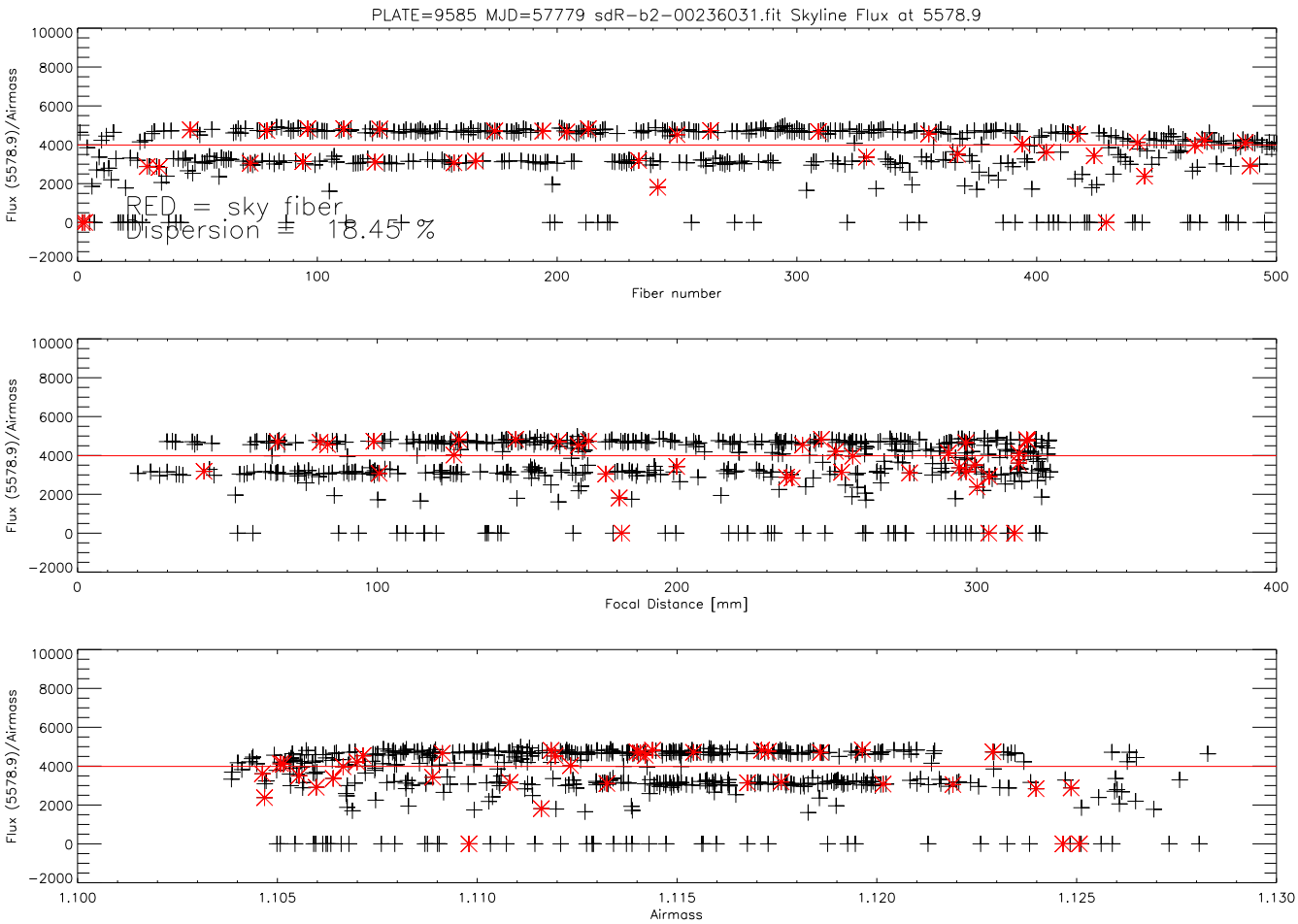

PLATE=9585 MJD=57779 sdR-b2-00236031.fit 2D Sky-subtraction Sky Fibers
Flux [electrons]
2000
1500
1000
500
0
5570
5575
5580
5585
5590
λ [A]


PLATE=9585 MJD=57779 sdR-b2-00236031.fit 2D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
200
100
0
-100
-200
5570
5575
5580
5585
5590
λ [A]

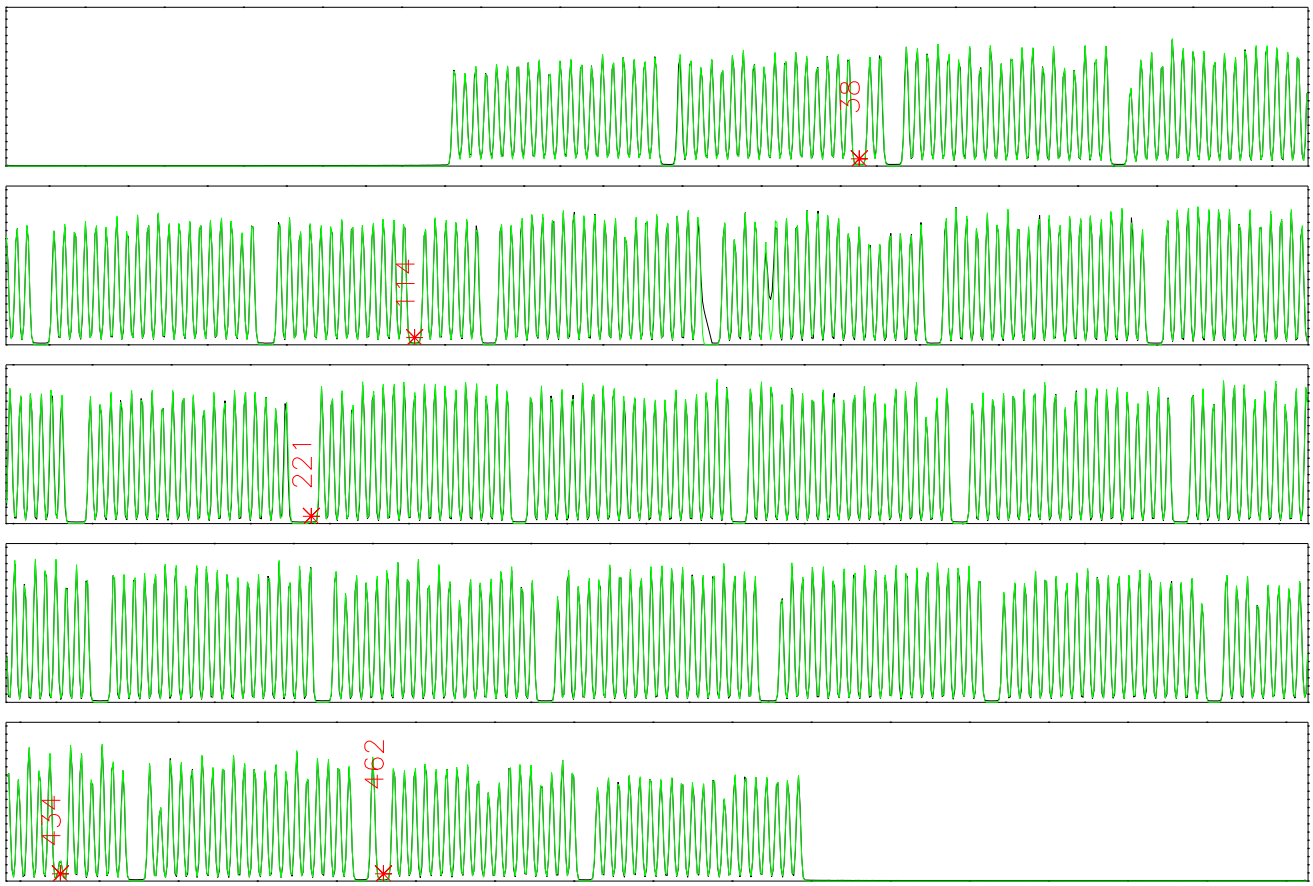
Number of sky fibers = 37

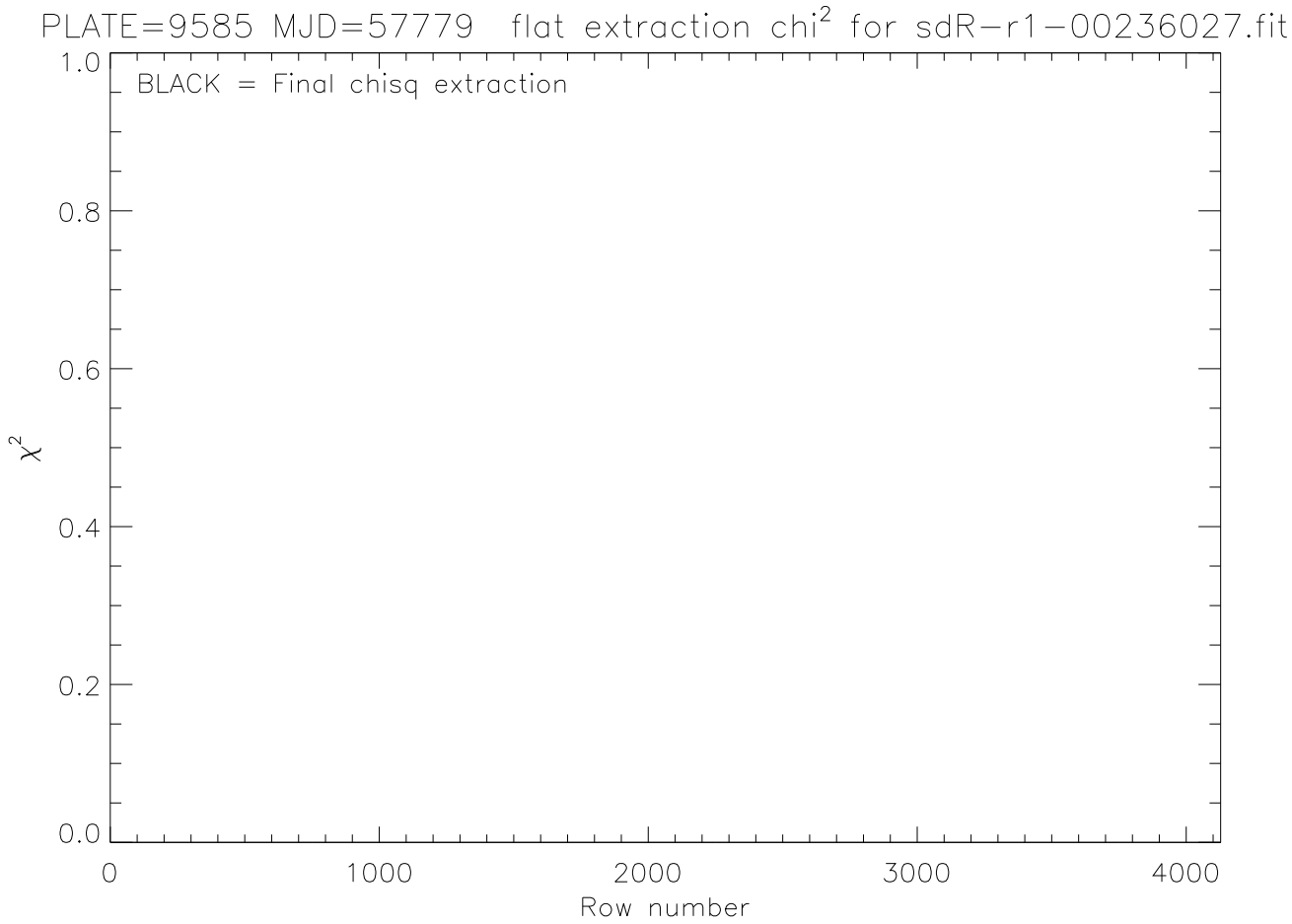


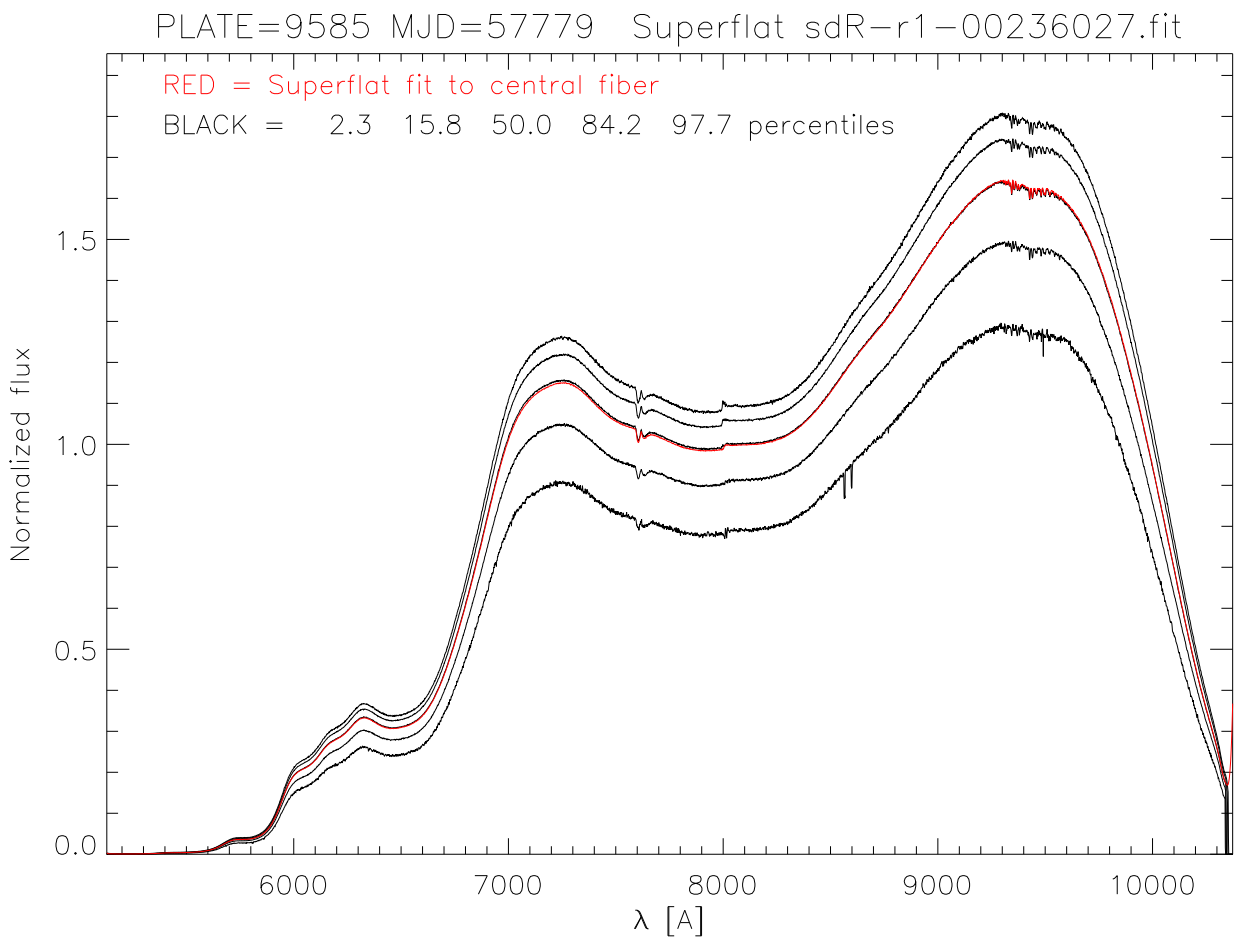

PLATE=9585 MJD=57779 sdR-b2-00236031.fit Skyline Flux at 4359.5
Flux (4359.5)/Airmass
RED = sky fiber
Dispersion = 13.75 %
Fiber number
Flux (4359.5)/Airmass
Focal Distance [mm]
Flux (4359.5)/Airmass
Airmass

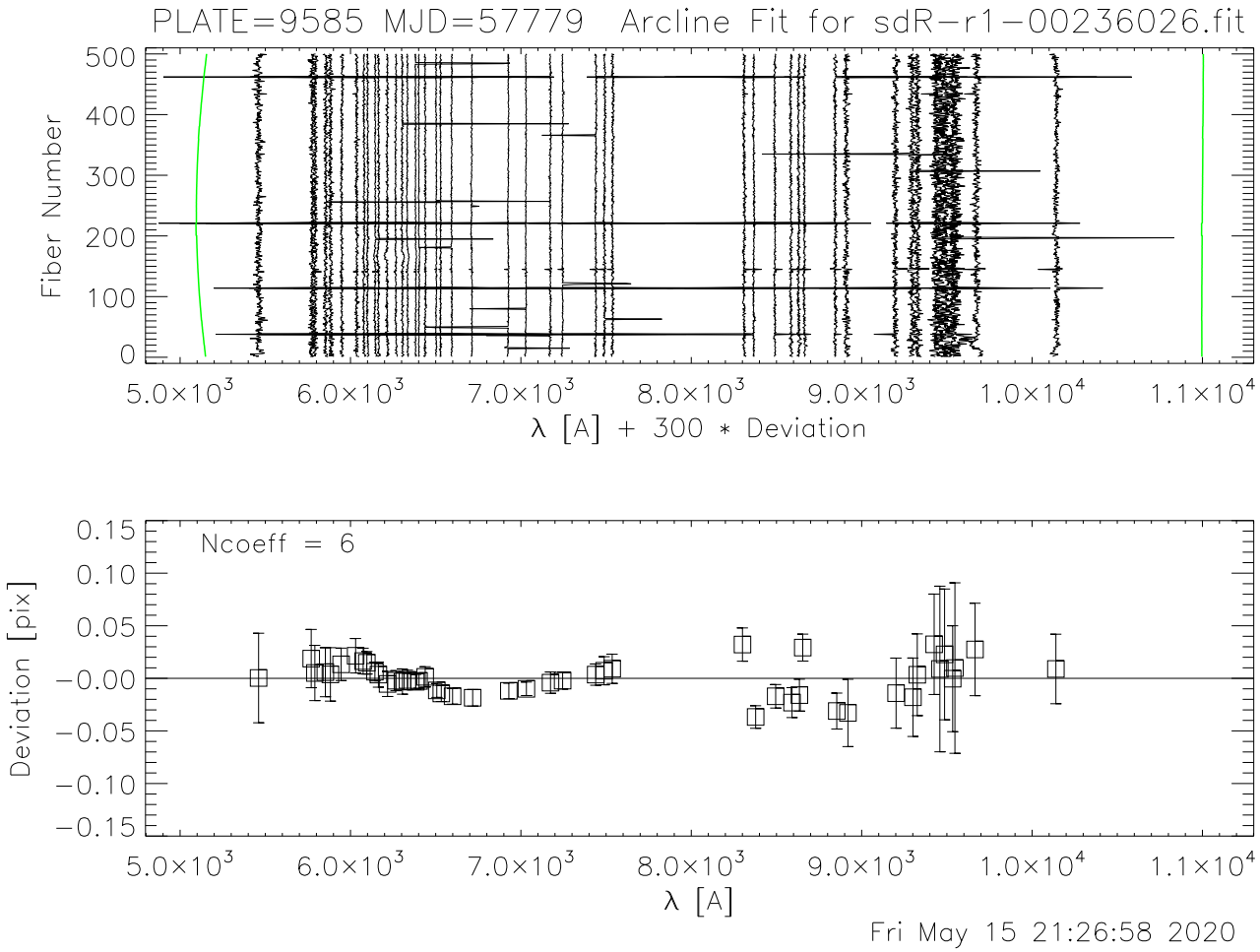

PLATE=9585 MJD=57779 sdR-b2-00236031.fit Skyline Flux at 5578.9
Flux (5578.9)/Airmass
RED = sky fiber
Dispersion = 18.45 %
Fiber number
Flux (5578.9)/Airmass
Focal Distance [mm]
Flux (5578.9)/Airmass
Airmass

PLATE=9585 MJD=57779 Traces sdR-r1-00236027.fit

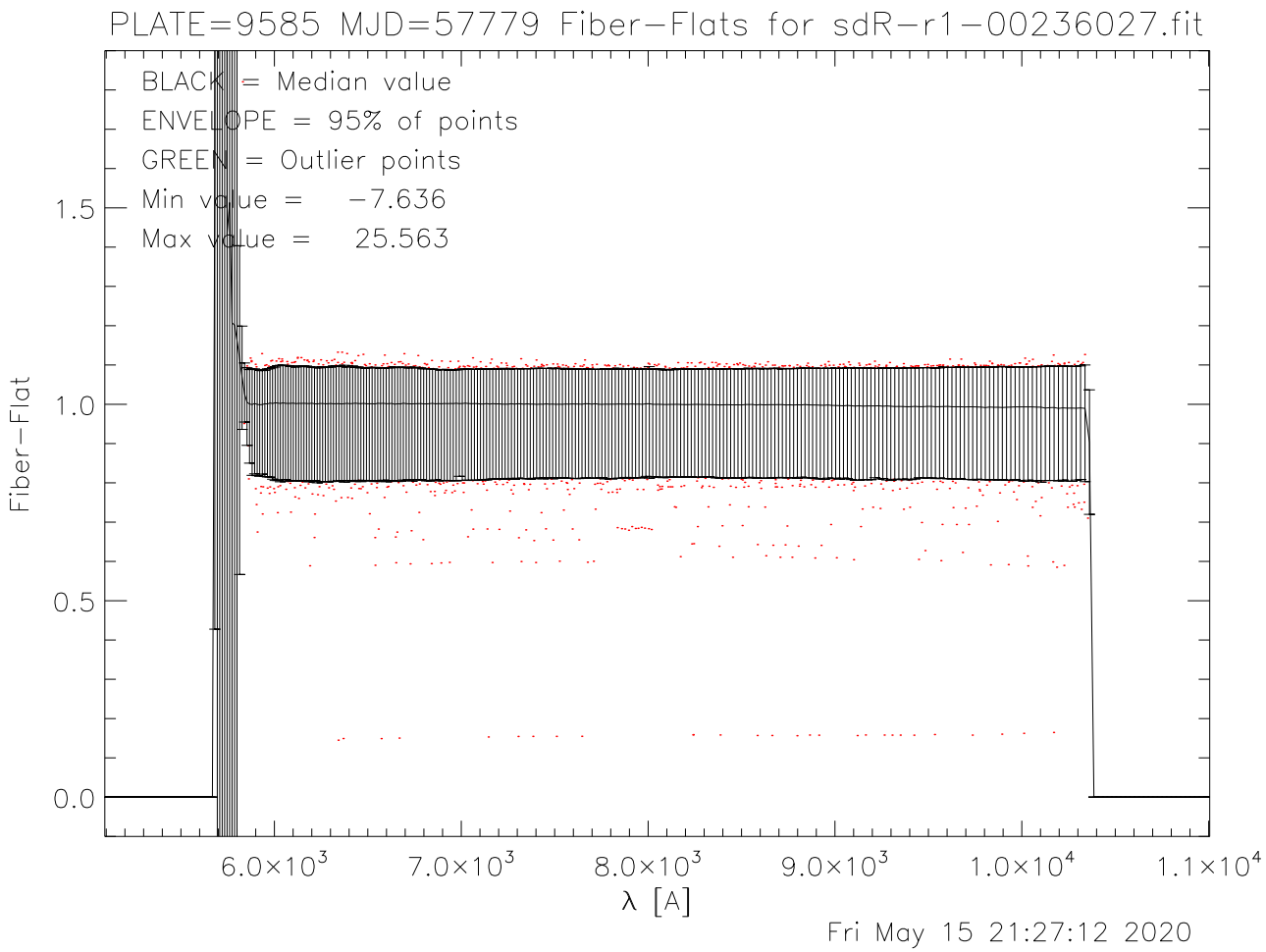


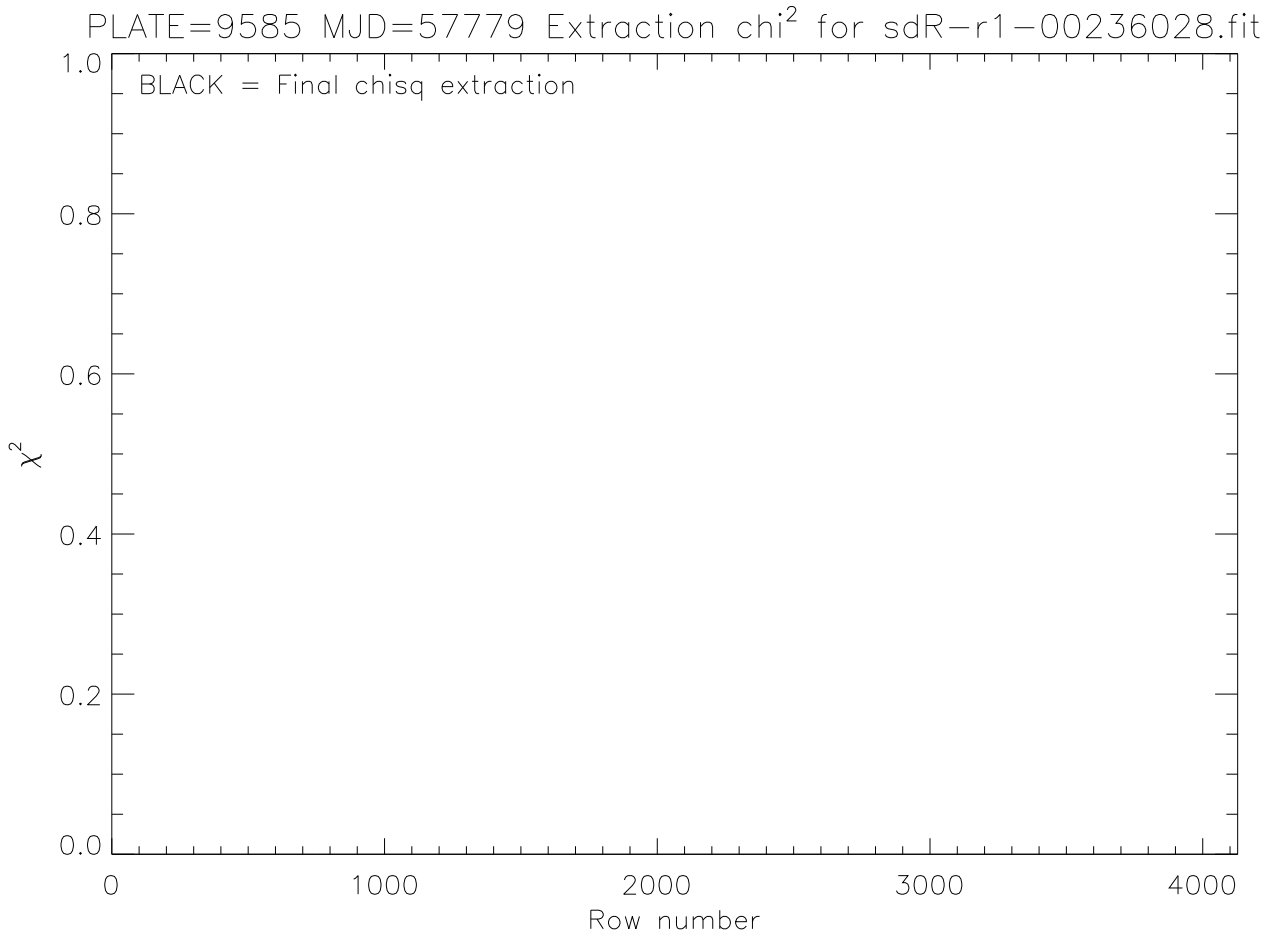

PLATE=9585 MJD=57779 flat extraction chi^2 for sdR−r1−00236027.fit
BLACK = Final chisq extraction
χ^2
1.0
0.8
0.6
0.4
0.2
0.0
0
1000
2000
3000
4000
Row number

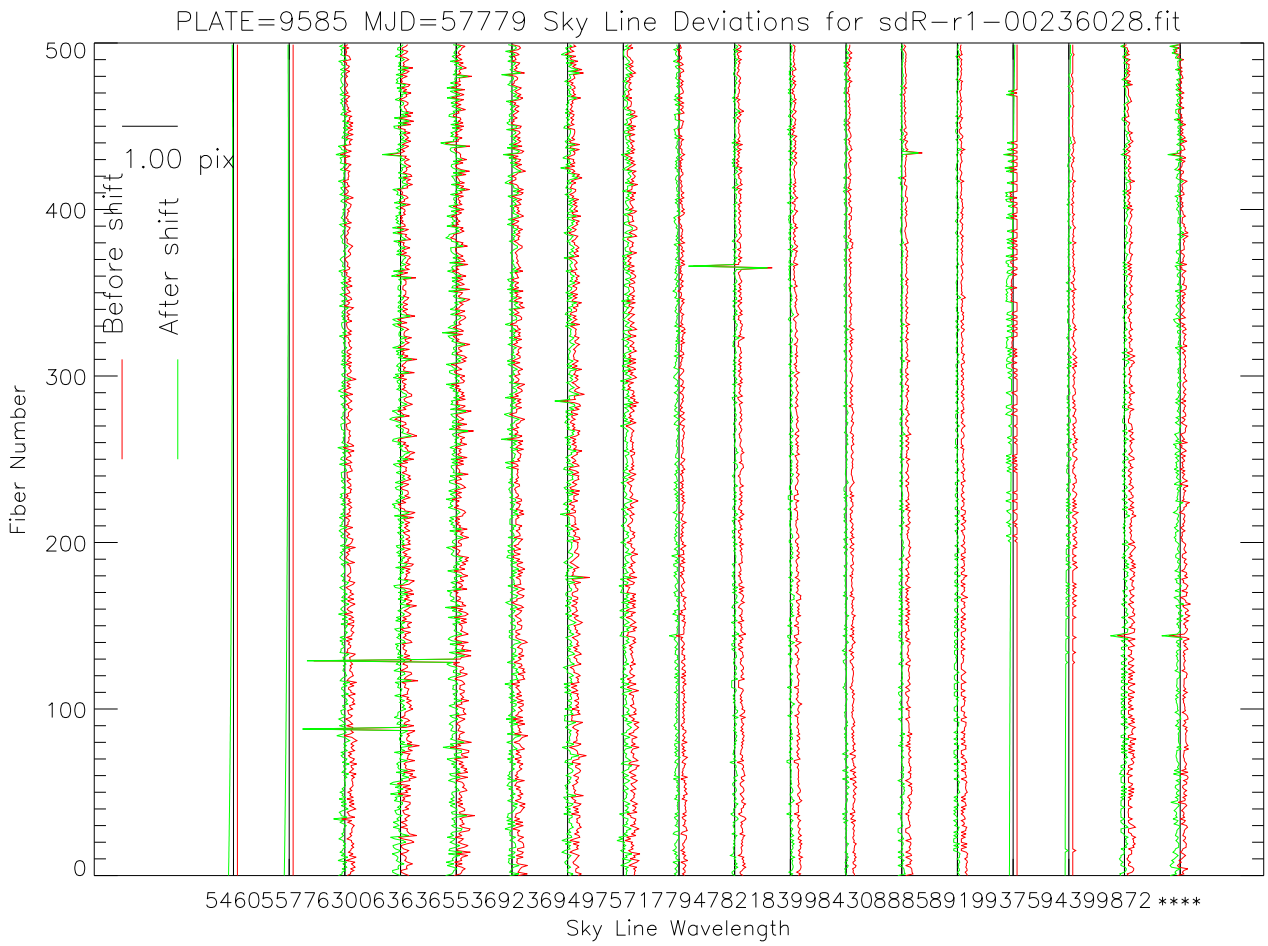

PLATE=9585 MJD=57779 Superflat sdR-r1-00236027.fit
RED = Superflat fit to central fiber
BLACK = 2.3 15.8 50.0 84.2 97.7 percentiles
Normalized flux
0.0
0.5
1.0
1.5
6000
7000
8000
9000
10000
λ [A]

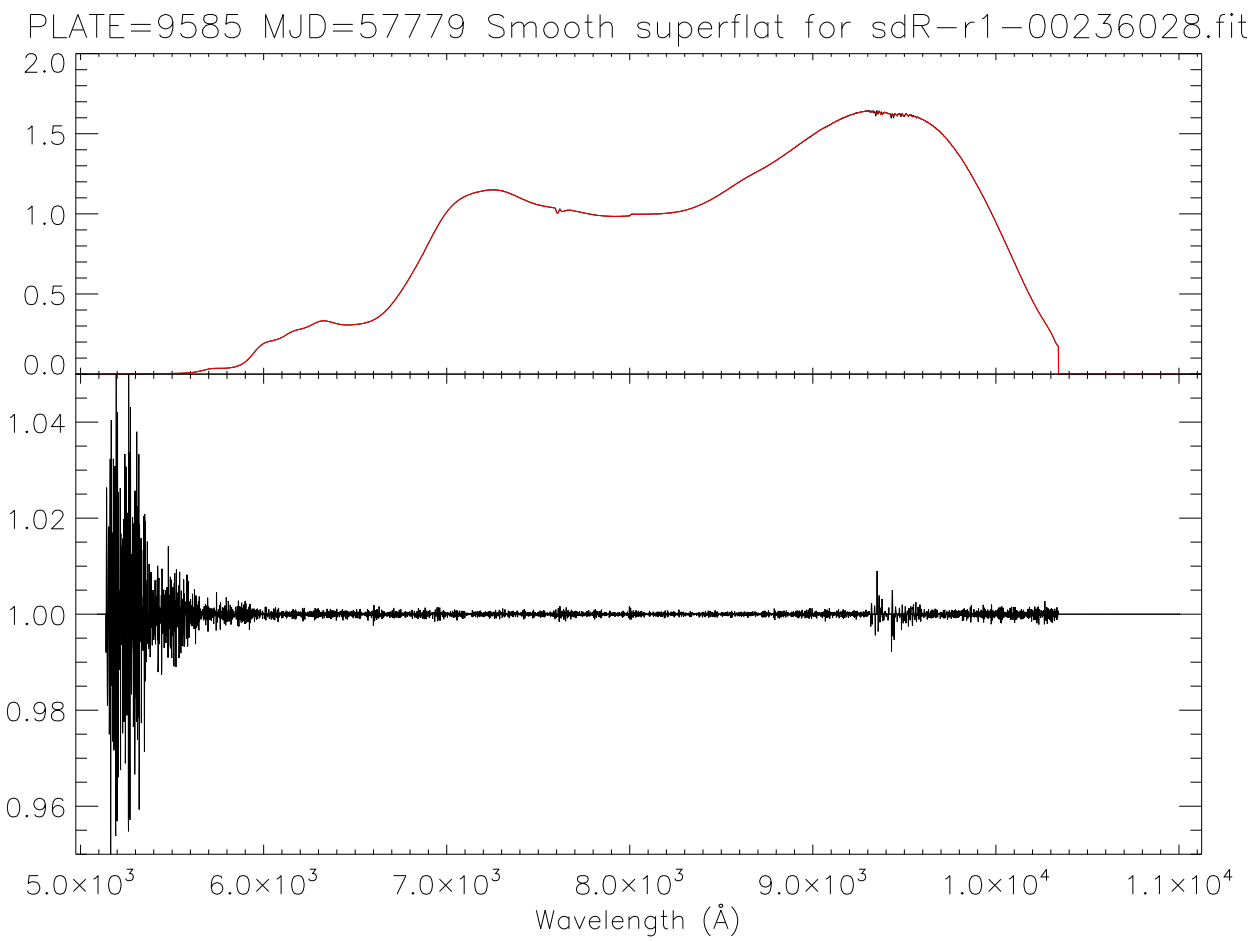

PLATE=9585 MJD=57779 Arcline Fit for sdR-r1-00236026.fit
Fiber Number
500
400
300
200
100
0
5.0×10^3
6.0×10^3
7.0×10^3
8.0×10^3
9.0×10^3
1.0×10^4
1.1×10^4
λ [A] + 300 * Deviation

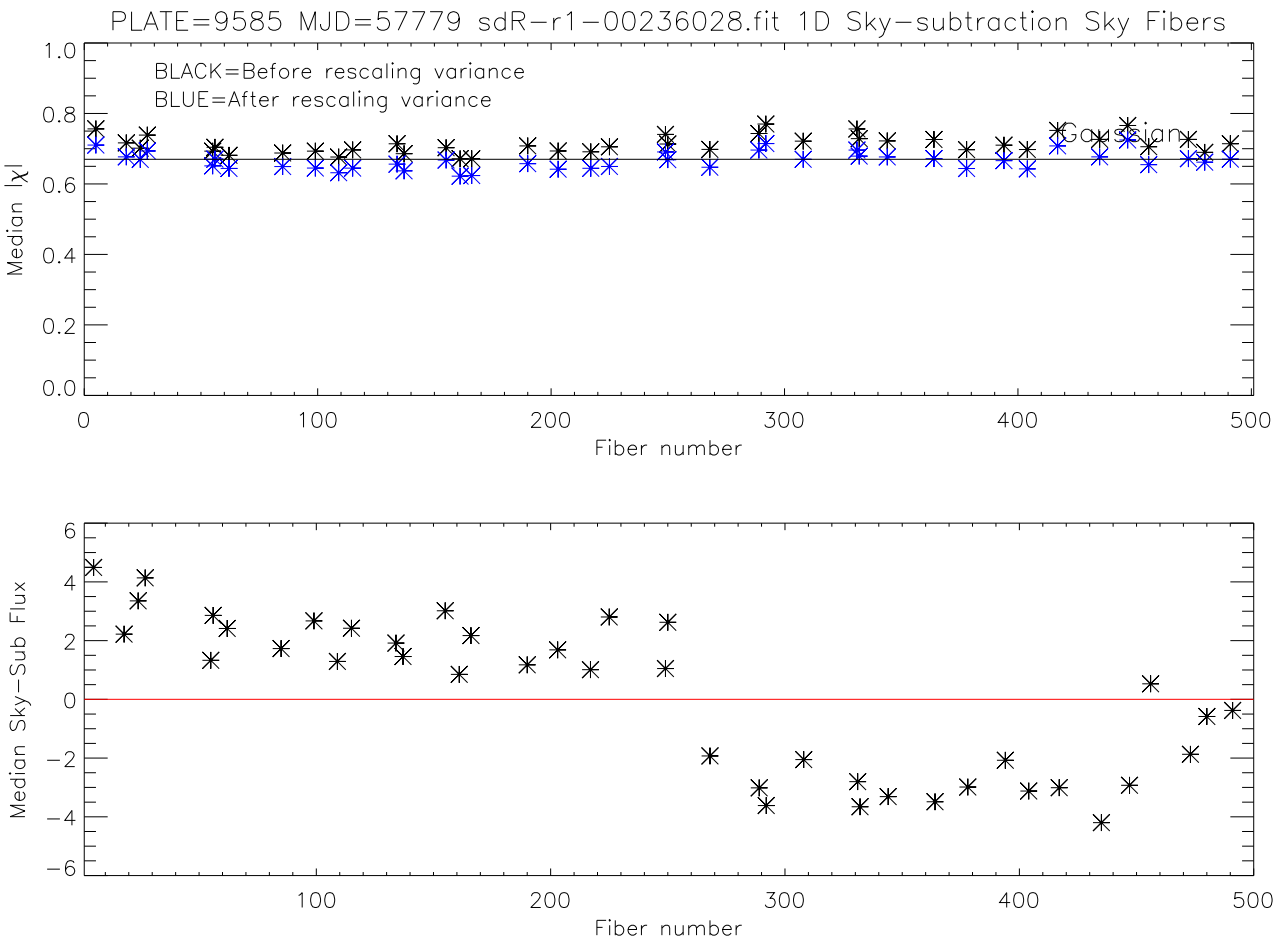
Ncoeff = 6
Deviation [pix]
0.15
0.10
0.05
−0.00
−0.05
−0.10
−0.15
5.0×10^3
6.0×10^3
7.0×10^3
8.0×10^3
9.0×10^3
1.0×10^4
1.1×10^4
λ [A]
Fri May 15 21:26:58 2020

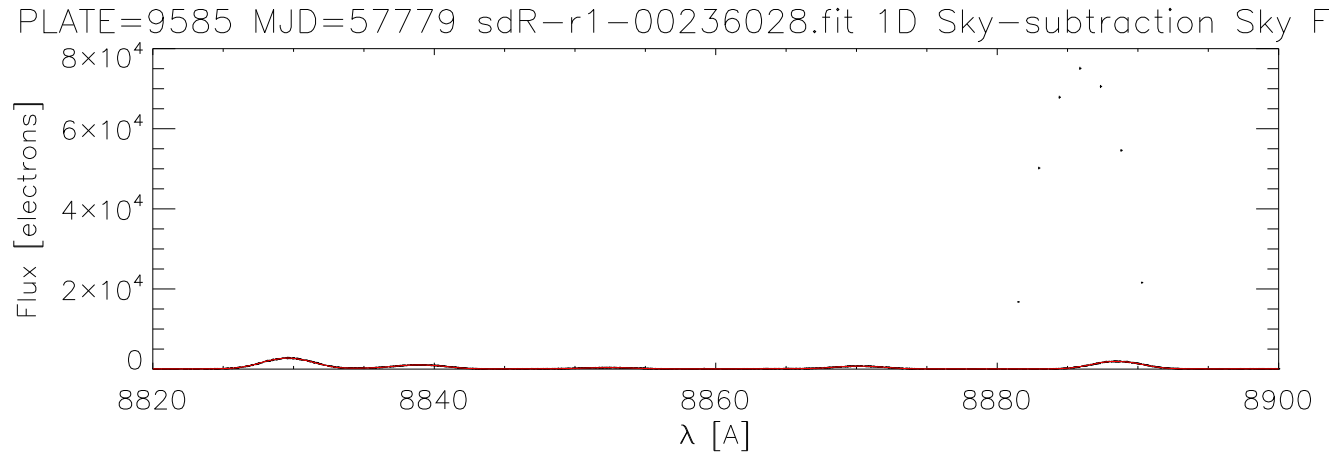

PLATE=9585 MJD=57779 Fiber−Flats for sdR−r1−00236027.fit
BLACK = Median value
ENVELOPE = 95% of points
GREEN = Outlier points
Min value = −7.636
Max value = 25.563
Fiber−Flat
1.5
1.0
0.5
0.0
6.0×10^3
7.0×10^3
8.0×10^3
9.0×10^3
1.0×10^4
1.1×10^4
λ [A]
Fri May 15 21:27:12 2020

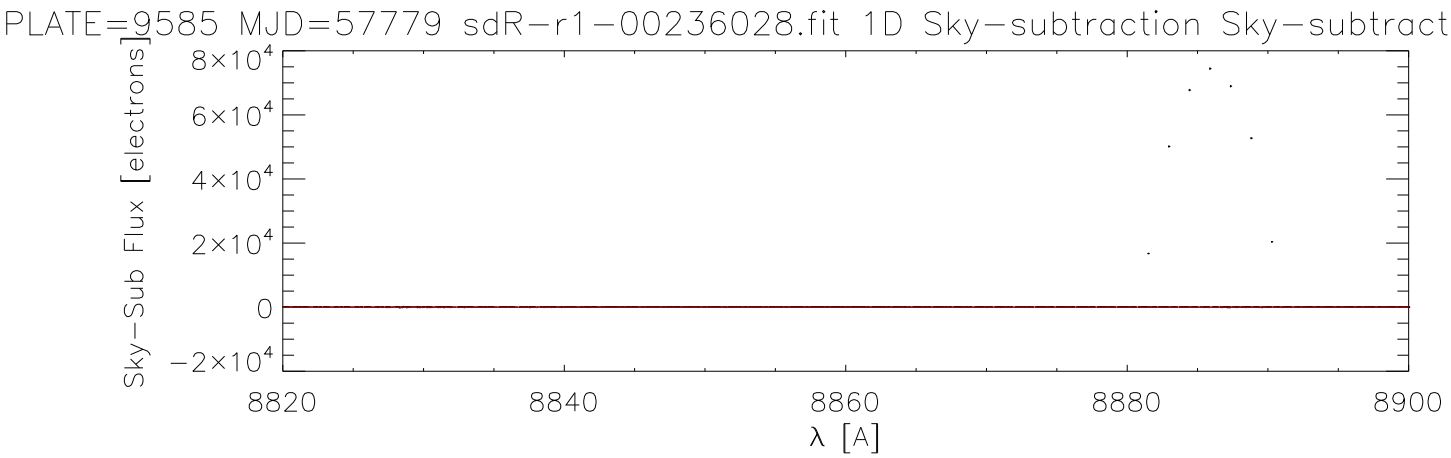

PLATE=9585 MJD=57779 Extraction chi^2 for sdR−r1−00236028.fit
BLACK = Final chisq extraction
χ^2
1.0
0.8
0.6
0.4
0.2
0.0
0
1000
2000
3000
4000
Row number


PLATE=9585 MJD=57779 Sky Line Deviations for sdR-r1-00236028.fit
500
400
300
200
100
0
Fiber Number
1.00 pix
Before shift
After shift
5460557763006363655369236949757177947821839984308885891993759439987 2 ****
Sky Line Wavelength

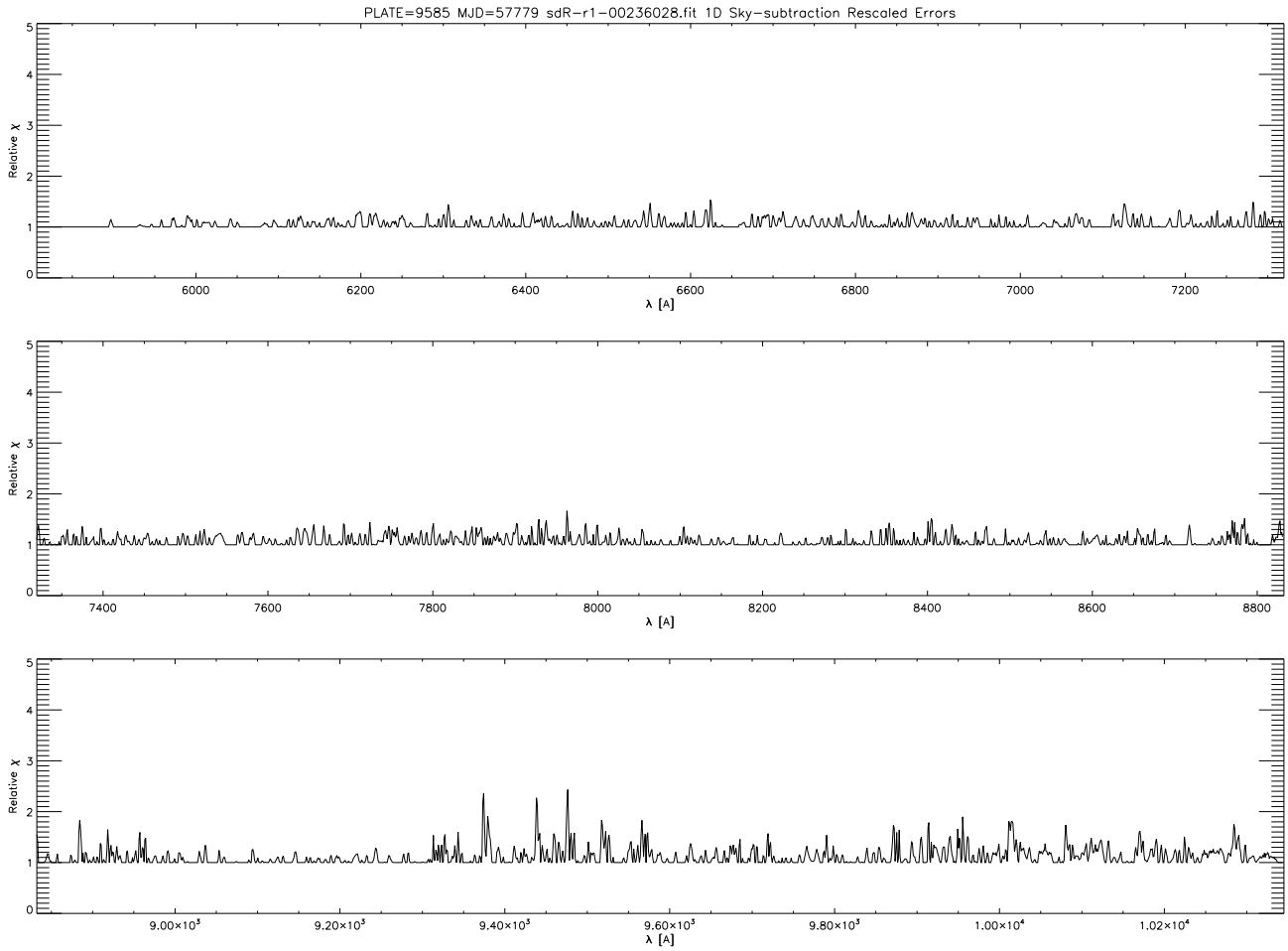

PLATE=9585 MJD=57779 Smooth superflat for sdR-r1-00236028.fit
2.0
1.5
1.0
0.5
0.0
1.04
1.02
1.00
0.98
0.96
5.0×10^3
6.0×10^3
7.0×10^3
8.0×10^3
9.0×10^3
1.0×10^4
1.1×10^4
Wavelength (Å)

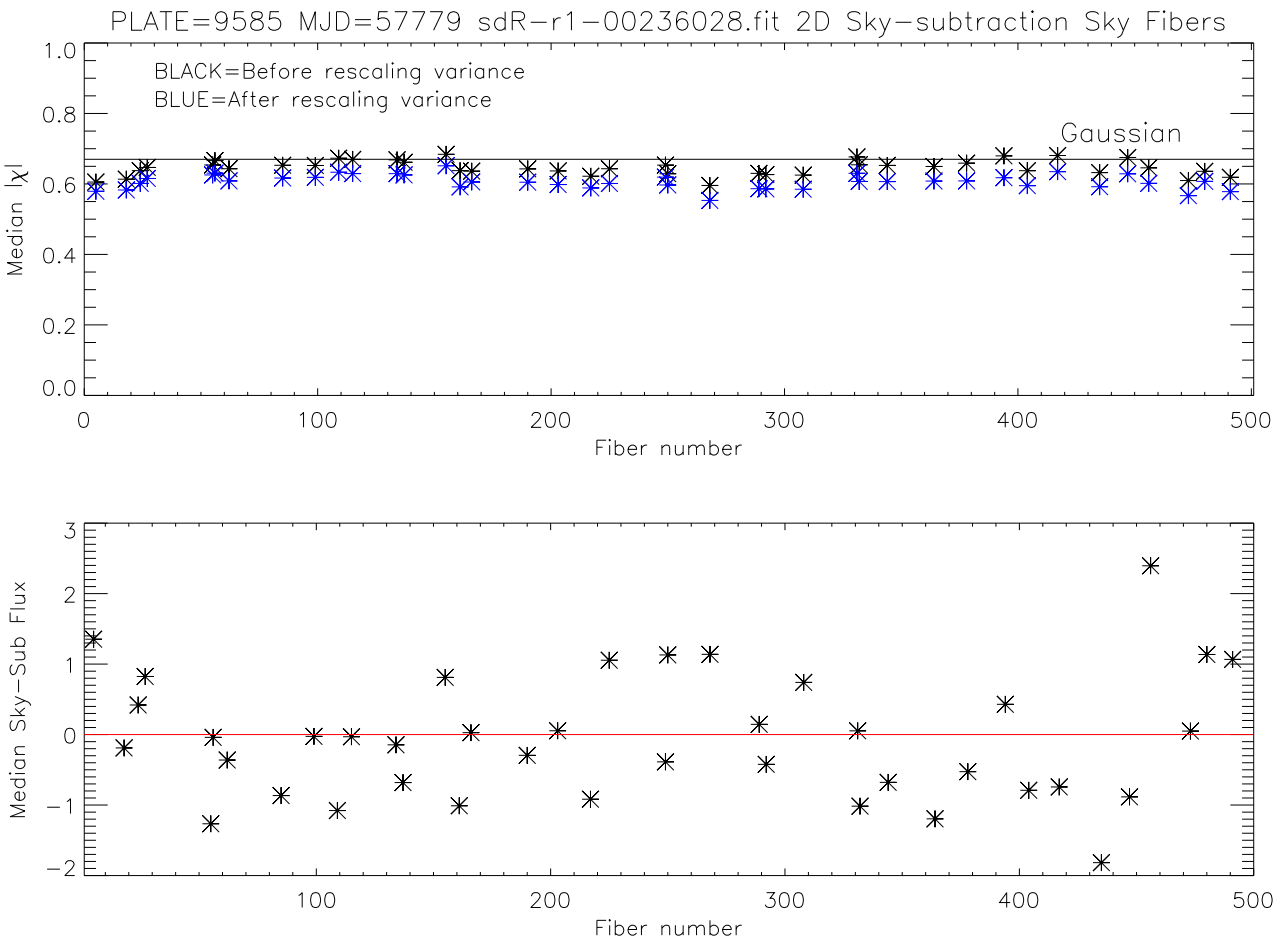

PLATE=9585 MJD=57779 sdR-r1-00236028.fit 1D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

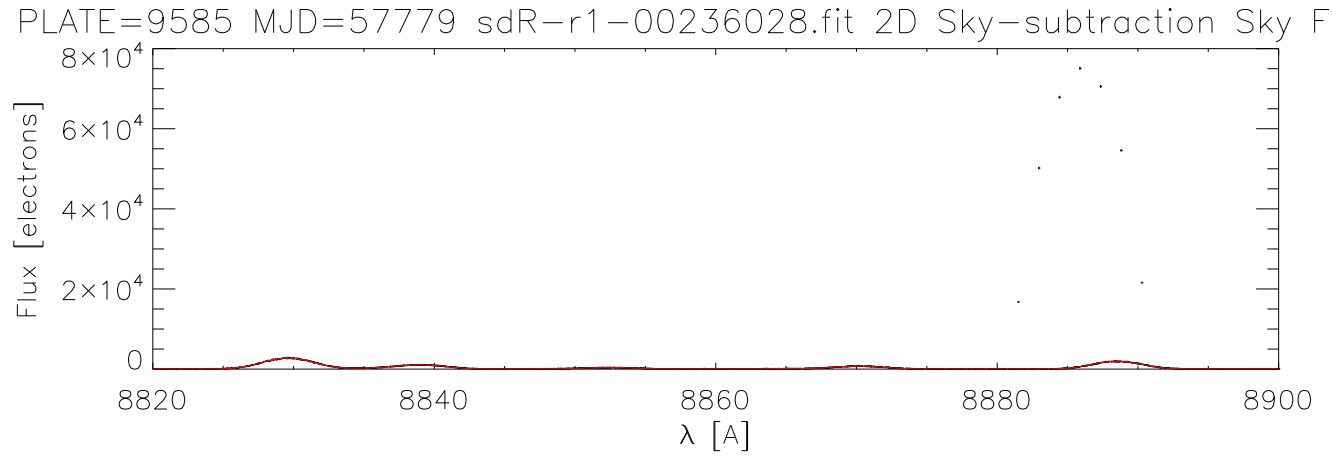

PLATE=9585 MJD=57779 sdR-r1-00236028.fit 1D Sky-subtraction Sky Fibers
Flux [electrons]
8×10^4
6×10^4
4×10^4
2×10^4
0
8820
8840
8860
8880
8900
λ [A]

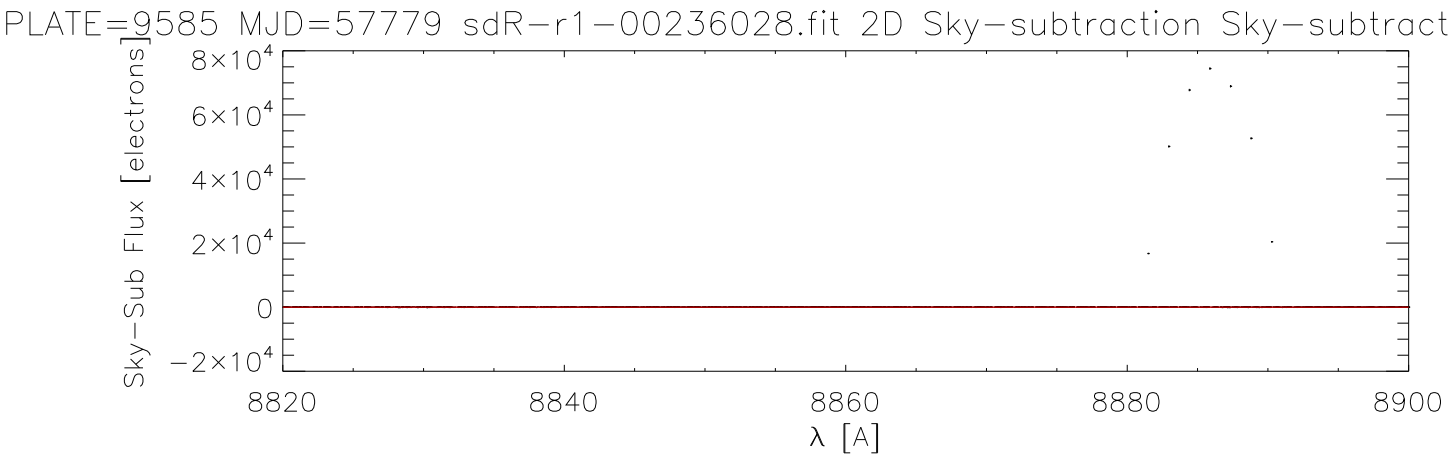

PLATE=9585 MJD=57779 sdR-r1-00236028.fit 1D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
8×10^4
6×10^4
4×10^4
2×10^4
0
-2×10^4
8820
8840
8860
8880
8900
λ [A]

Number of sky fibers = 40

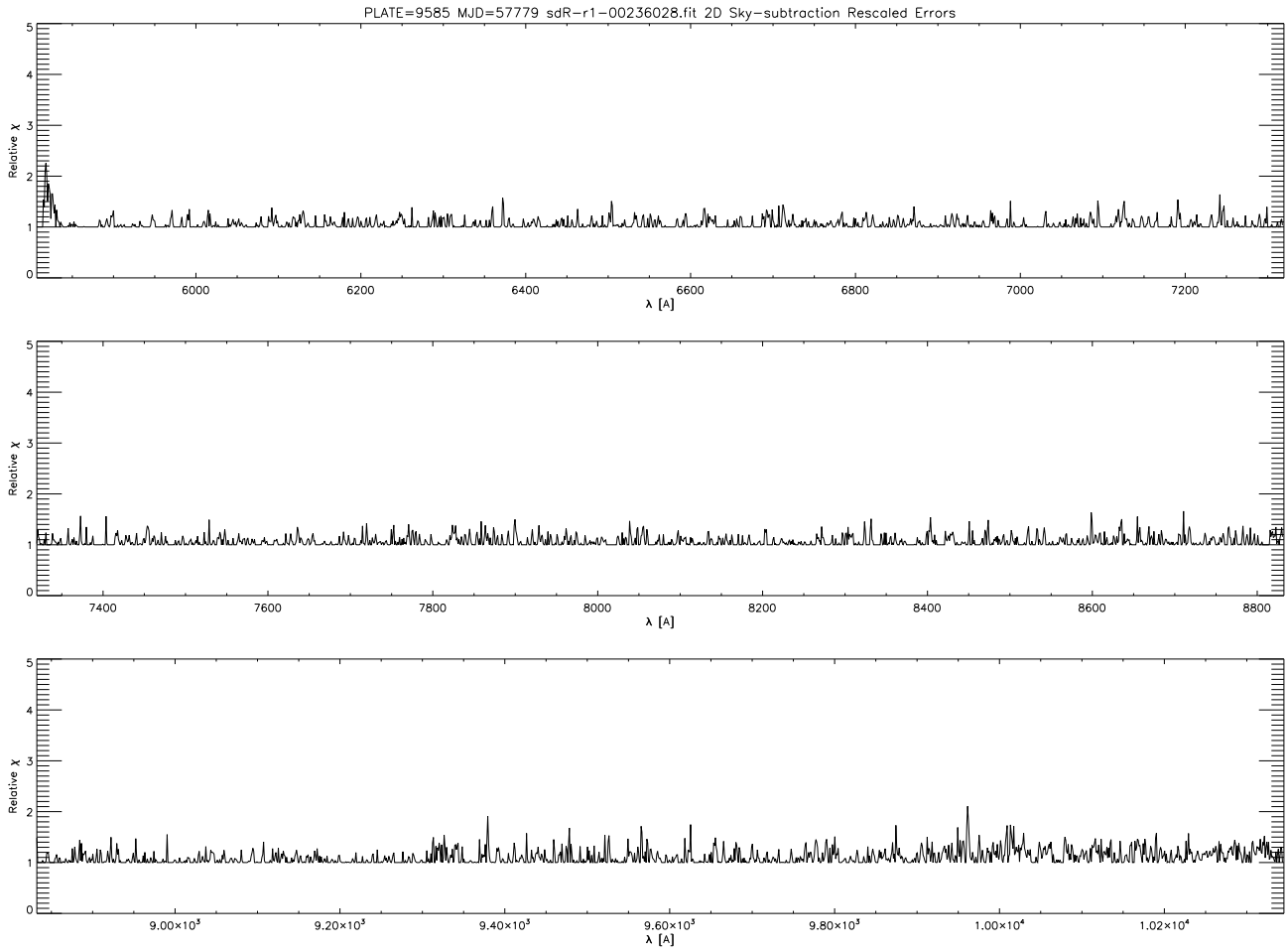


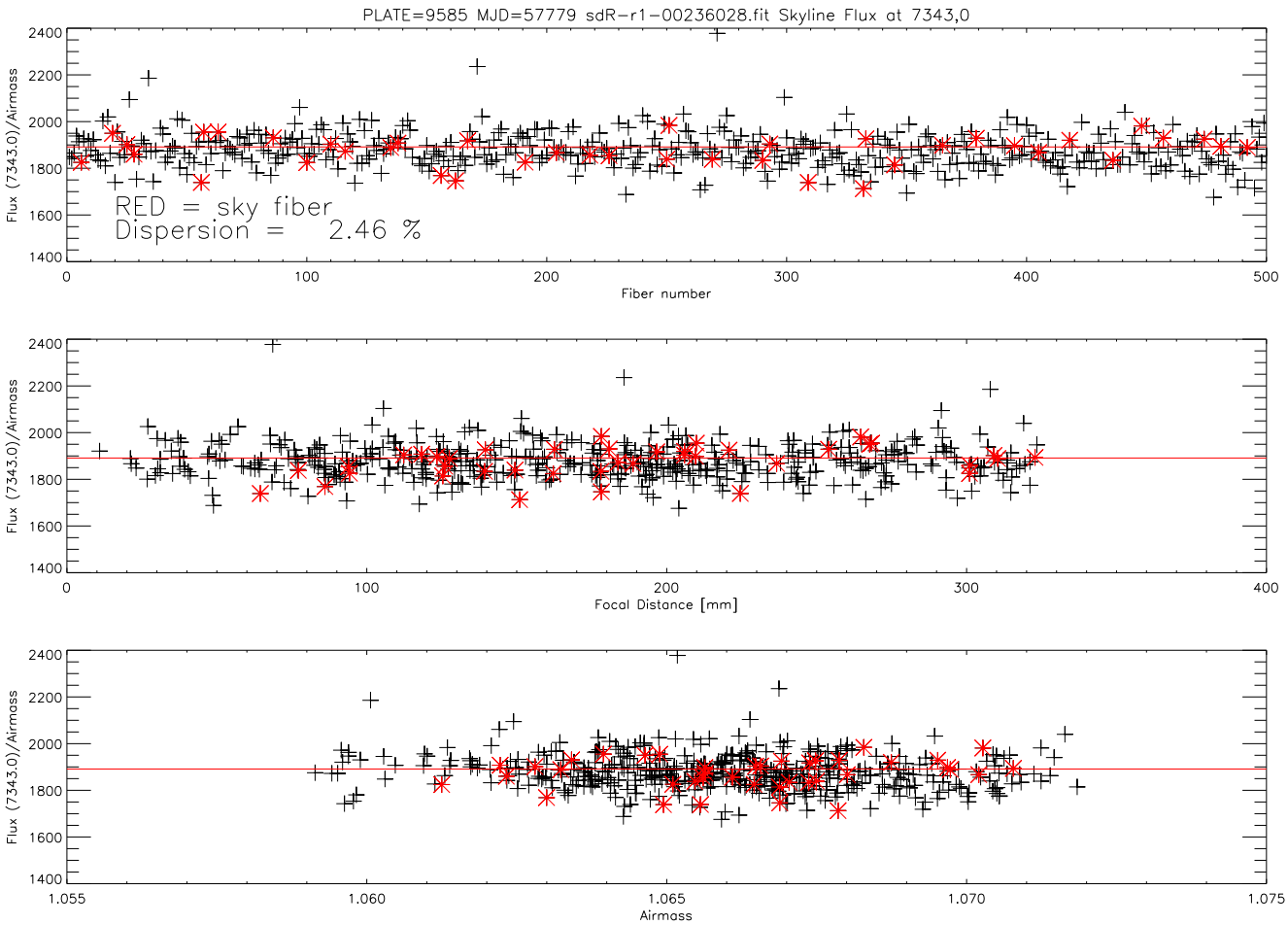

PLATE=9585 MJD=57779 sdR-r1-00236028.fit 2D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

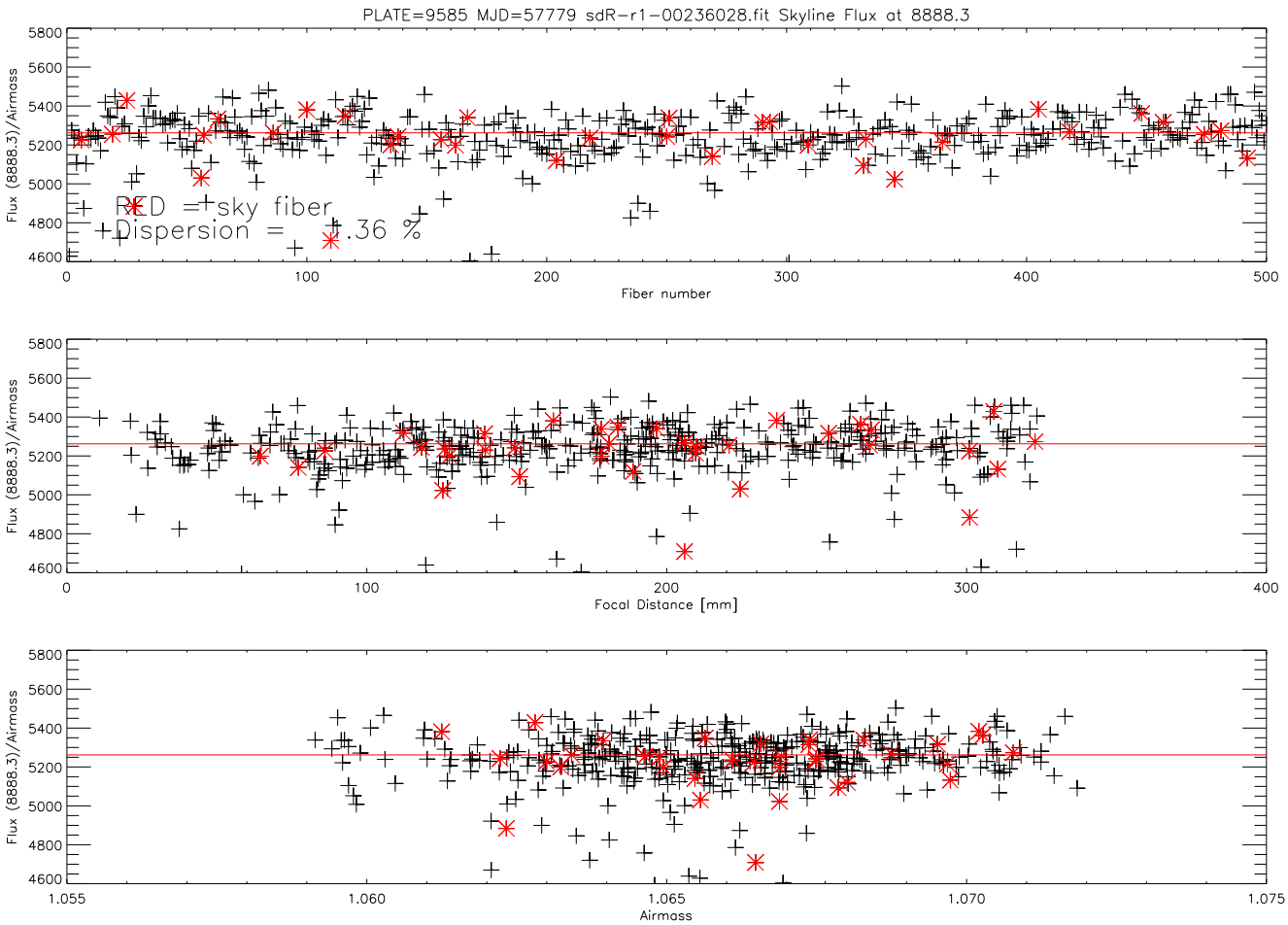

PLATE=9585 MJD=57779 sdR-r1-00236028.fit 2D Sky-subtraction Sky Fibers
Flux [electrons]
8×10^4
6×10^4
4×10^4
2×10^4
0
8820
8840
8860
8880
8900
λ [A]

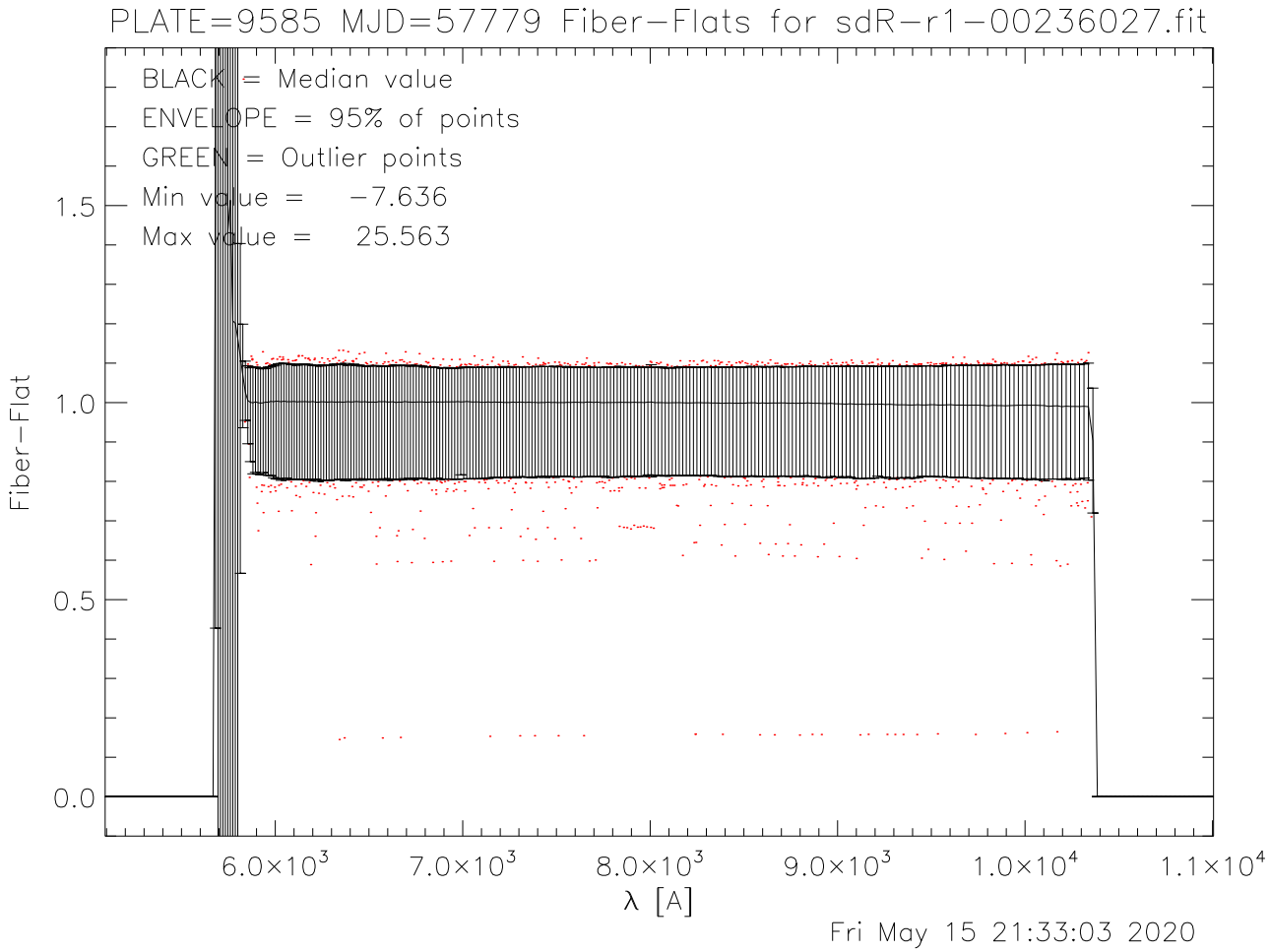

PLATE=9585 MJD=57779 sdR-r1-00236028.fit 2D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
8×10^4
6×10^4
4×10^4
2×10^4
0
-2×10^4
8820
8840
8860
8880
8900
λ [A]

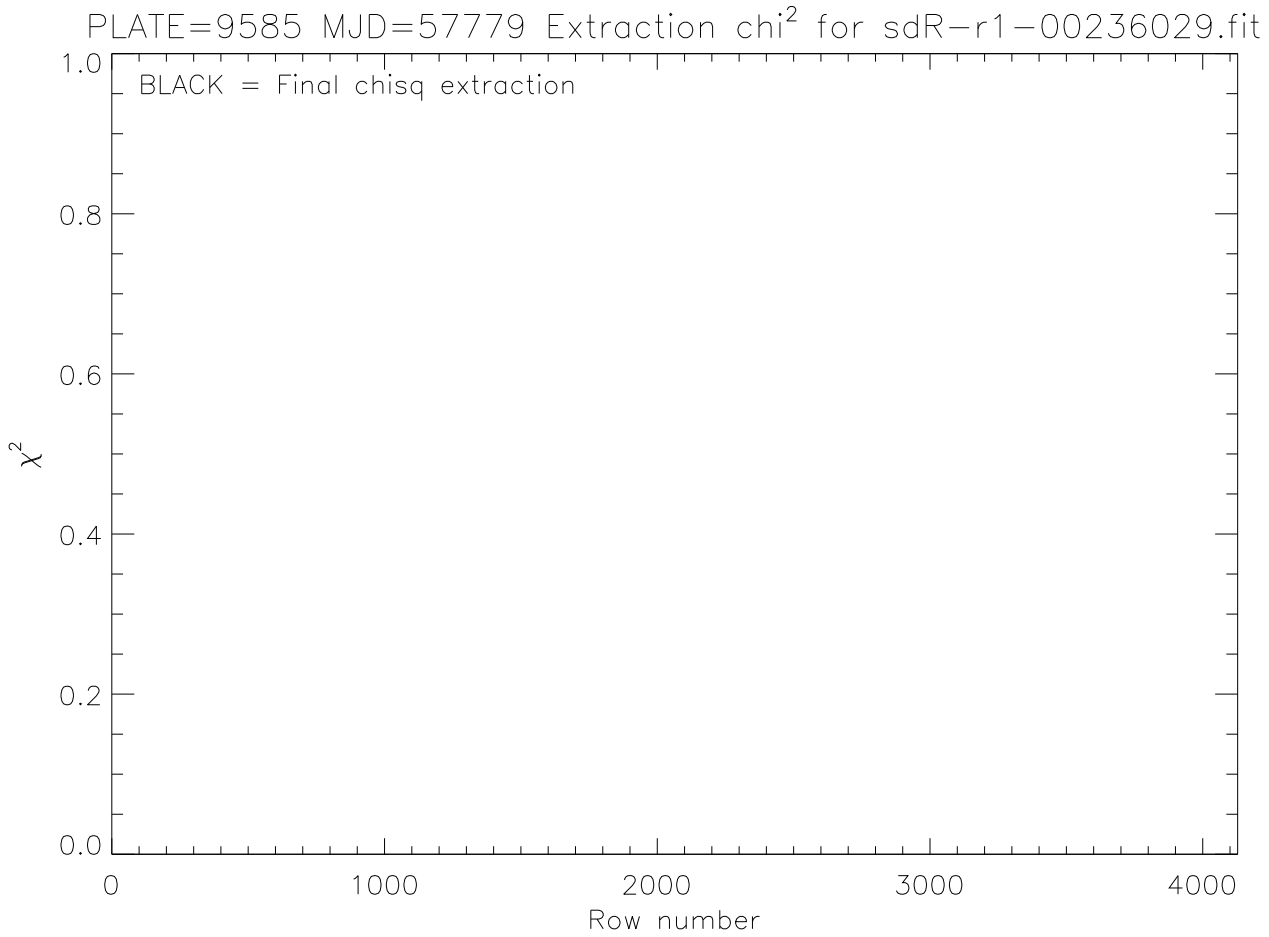
Number of sky fibers = 40

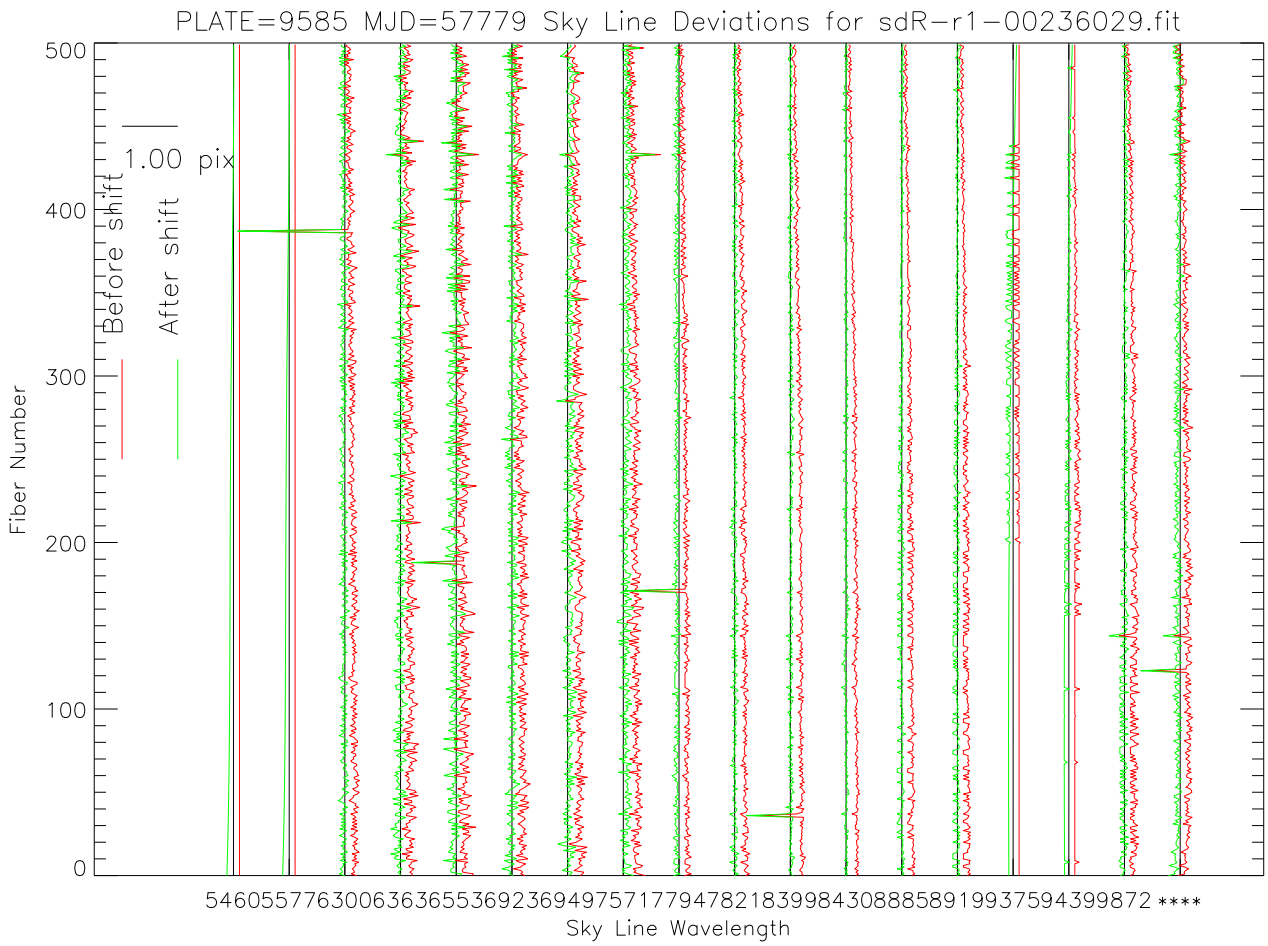


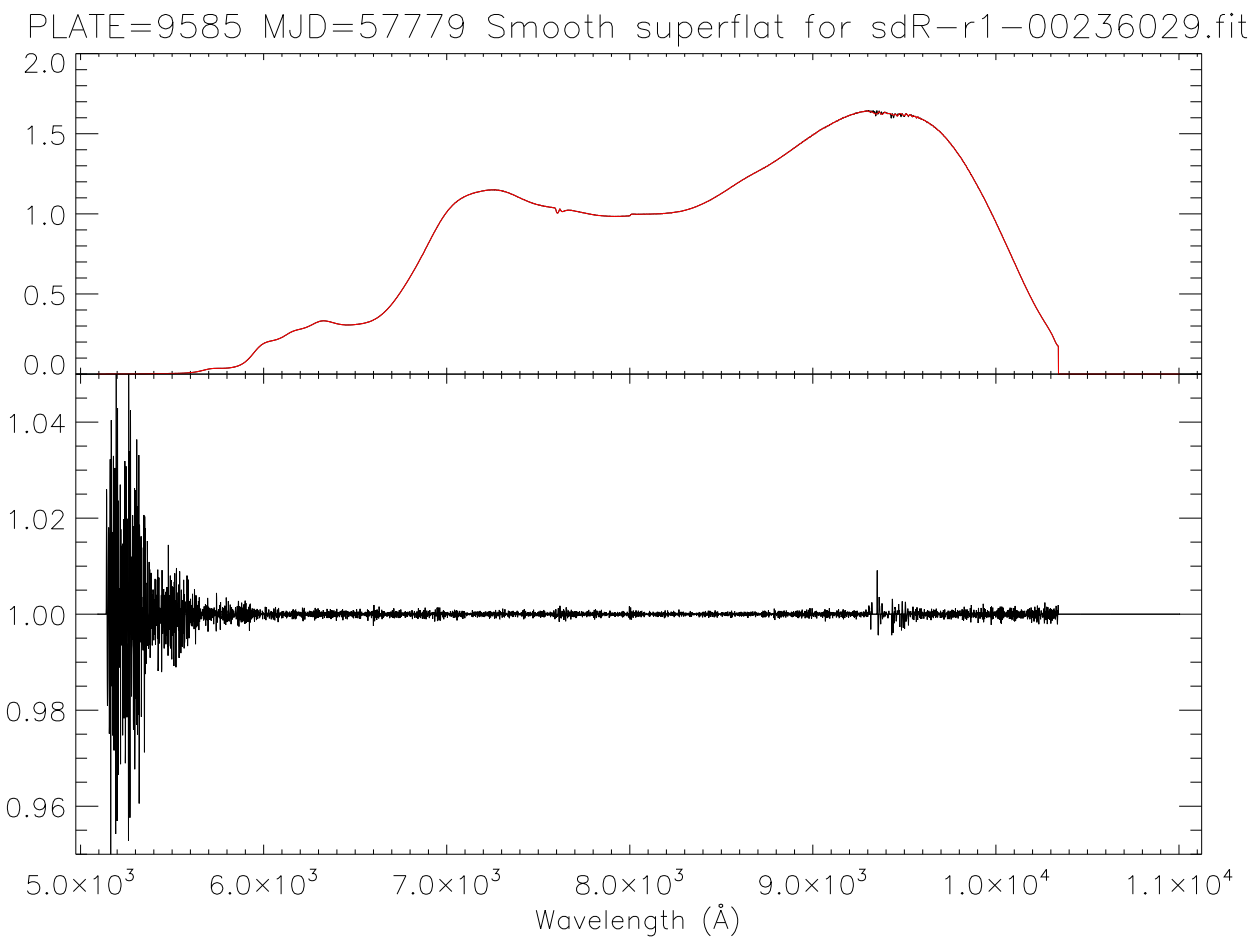

PLATE=9585 MJD=57779 sdR-r1-00236028.fit Skyline Flux at 7343.0
RED = sky fiber
Dispersion = 2.46 %
Flux (7343.0)/Airmass
Fiber number
Focal Distance [mm]
Airmass

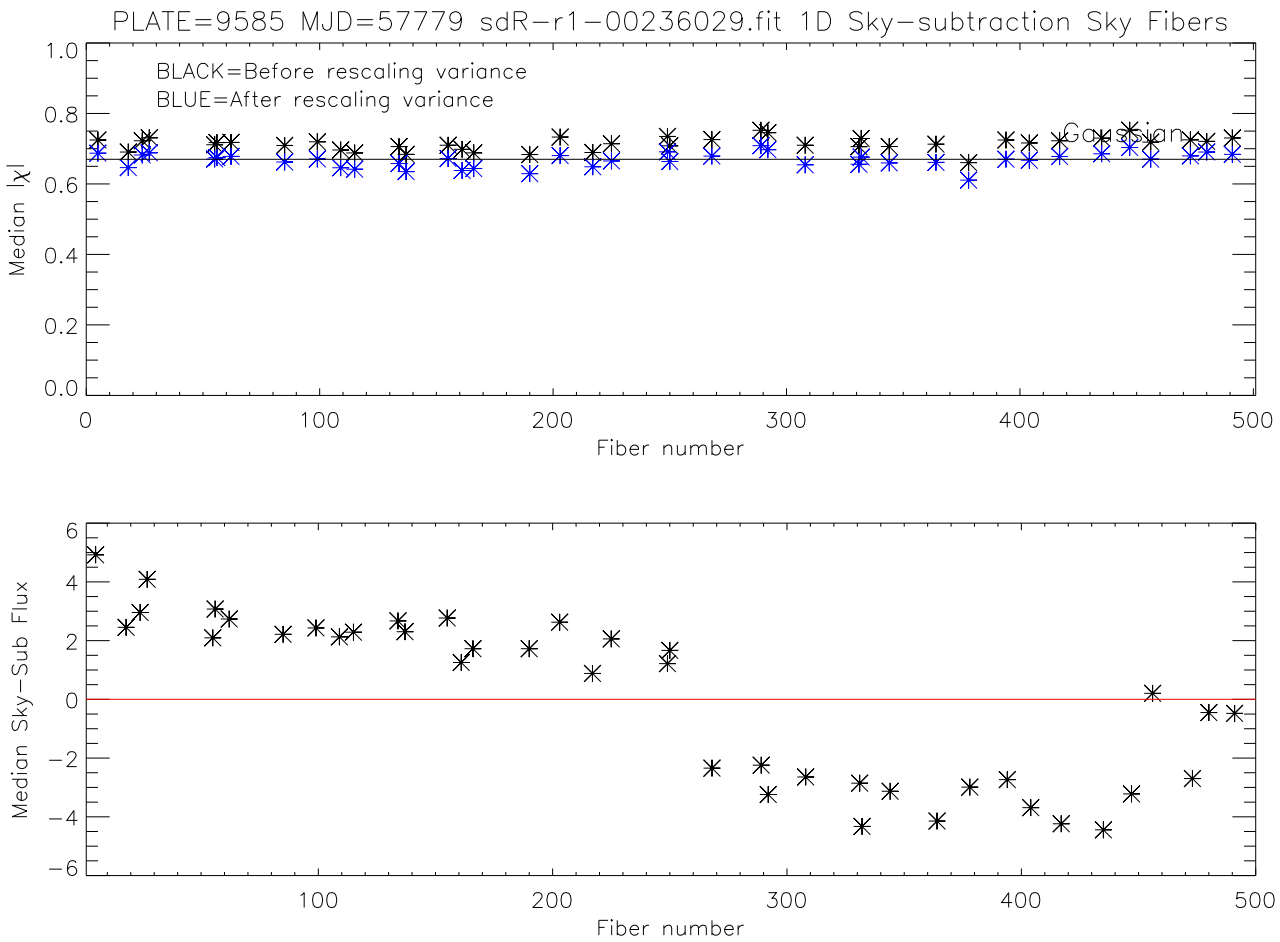

PLATE=9585 MJD=57779 sdR-r1-00236028.fit Skyline Flux at 8888.3
Flux (8888.3)/Airmass
Fiber number
RED = sky fiber
Dispersion = 2.36 %
Flux (8888.3)/Airmass
Focal Distance [mm]
Flux (8888.3)/Airmass
Airmass

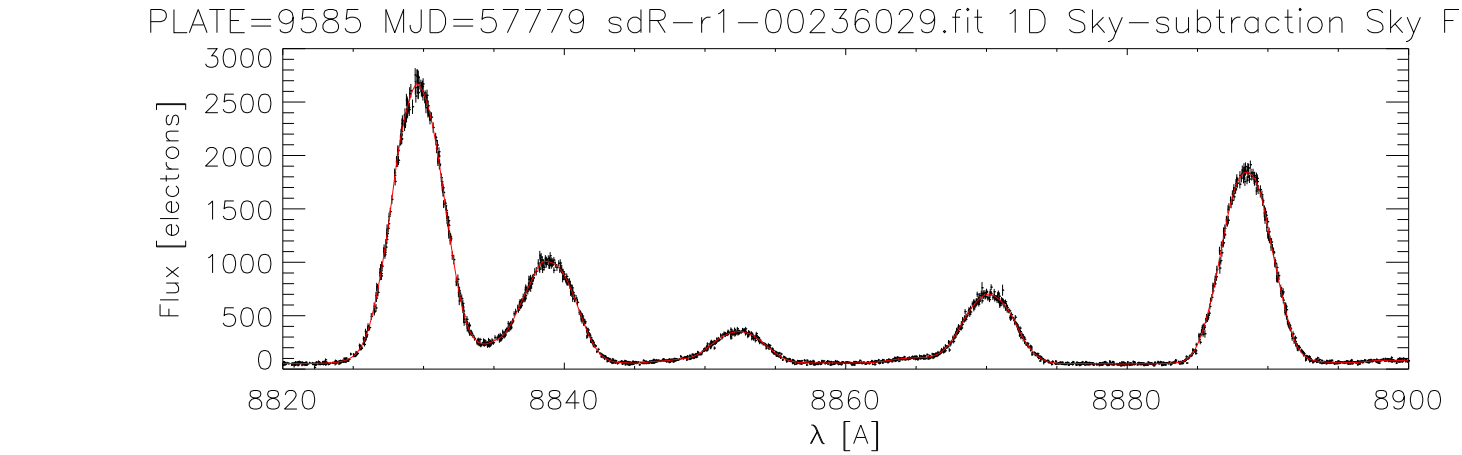

PLATE=9585 MJD=57779 Fiber−Flats for sdR−r1−00236027.fit
BLACK = Median value
ENVELOPE = 95% of points
GREEN = Outlier points
Min value = −7.636
Max value = 25.563
Fiber−Flat
1.5
1.0
0.5
0.0
6.0×10^3
7.0×10^3
8.0×10^3
9.0×10^3
1.0×10^4
1.1×10^4
λ [A]
Fri May 15 21:33:03 2020

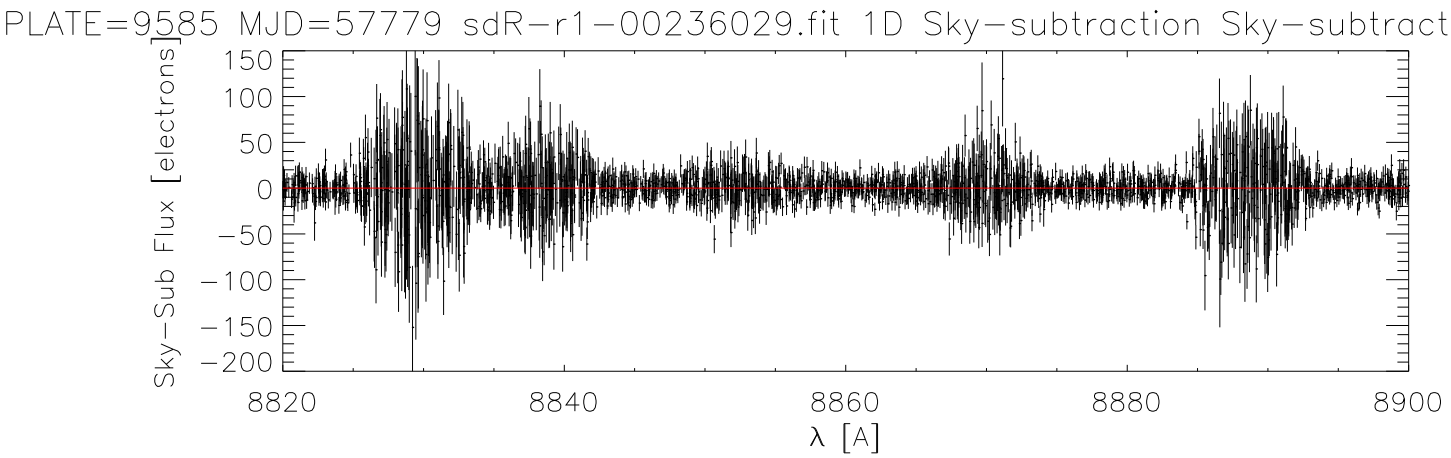

PLATE=9585 MJD=57779 Extraction chi^2 for sdR−r1−00236029.fit
BLACK = Final chisq extraction
χ^2
1.0
0.8
0.6
0.4
0.2
0.0
0
1000
2000
3000
4000
Row number


PLATE=9585 MJD=57779 Sky Line Deviations for sdR-r1-00236029.fit
500
400
300
200
100
0
Fiber Number
1.00 pix
Before shift
After shift
5460557763006363655369236949757177947821839984308885891993759439987 2 ****
Sky Line Wavelength

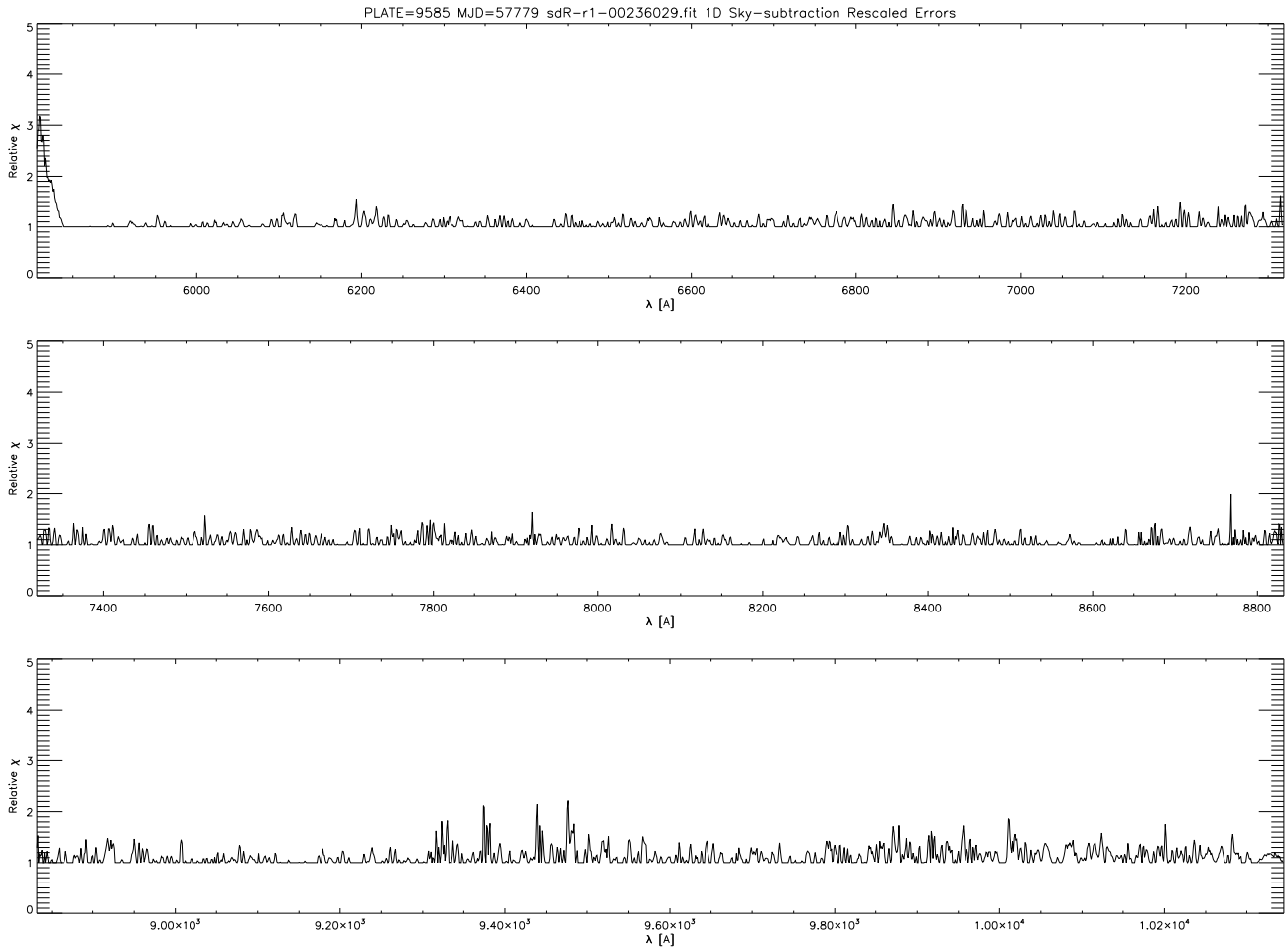

PLATE=9585 MJD=57779 Smooth superflat for sdR-r1-00236029.fit
2.0
1.5
1.0
0.5
0.0
1.04
1.02
1.00
0.98
0.96
5.0×10^3
6.0×10^3
7.0×10^3
8.0×10^3
9.0×10^3
1.0×10^4
1.1×10^4
Wavelength (Å)

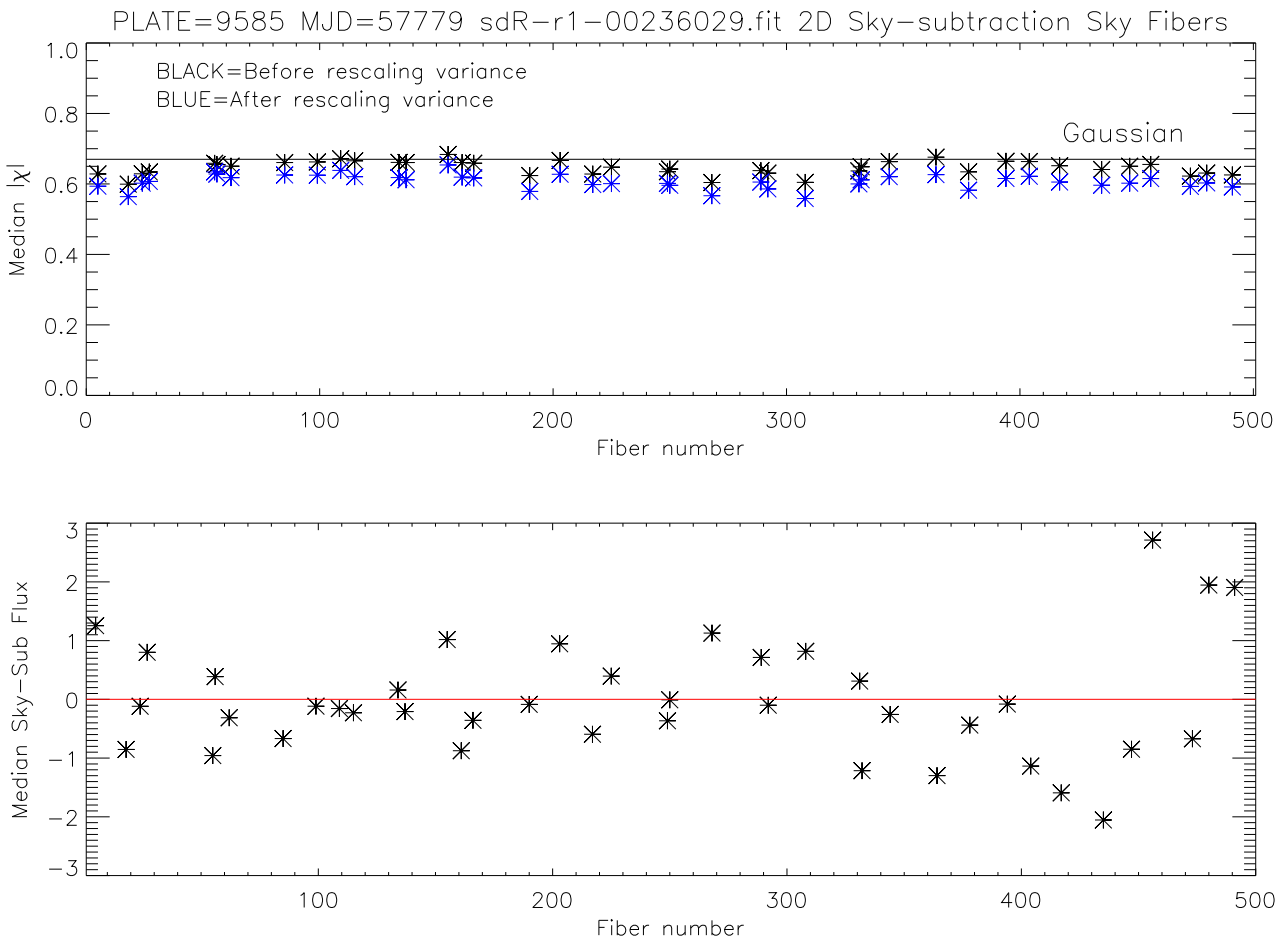

PLATE=9585 MJD=57779 sdR-r1-00236029.fit 1D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

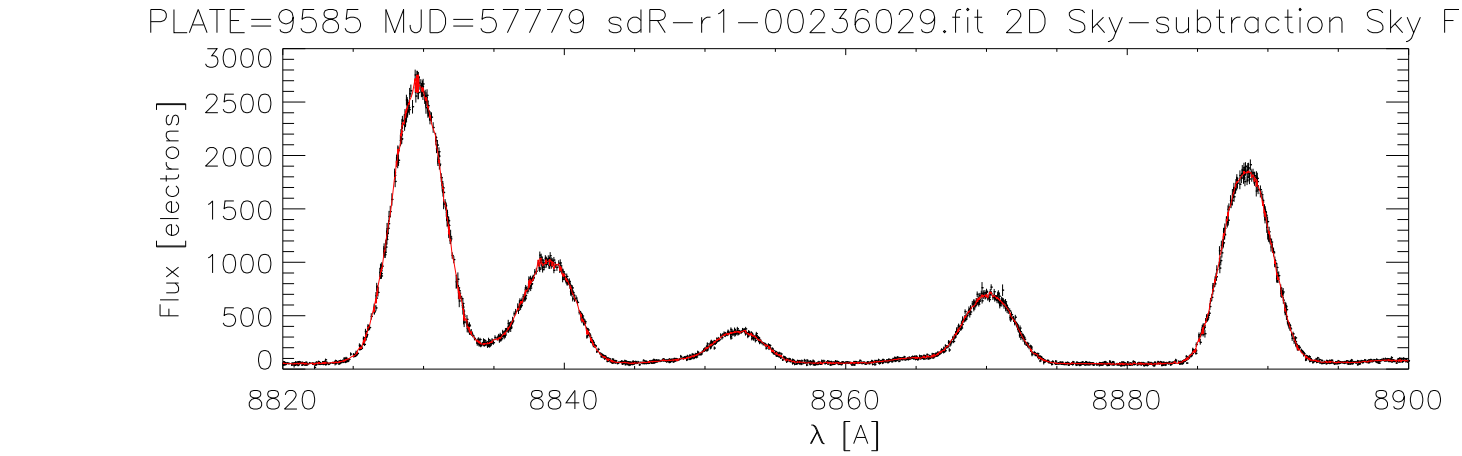

PLATE=9585 MJD=57779 sdR-r1-00236029.fit 1D Sky-subtraction Sky Fibers
Flux [electrons]
3000
2500
2000
1500
1000
500
0
8820
8840
8860
8880
8900
λ [A]

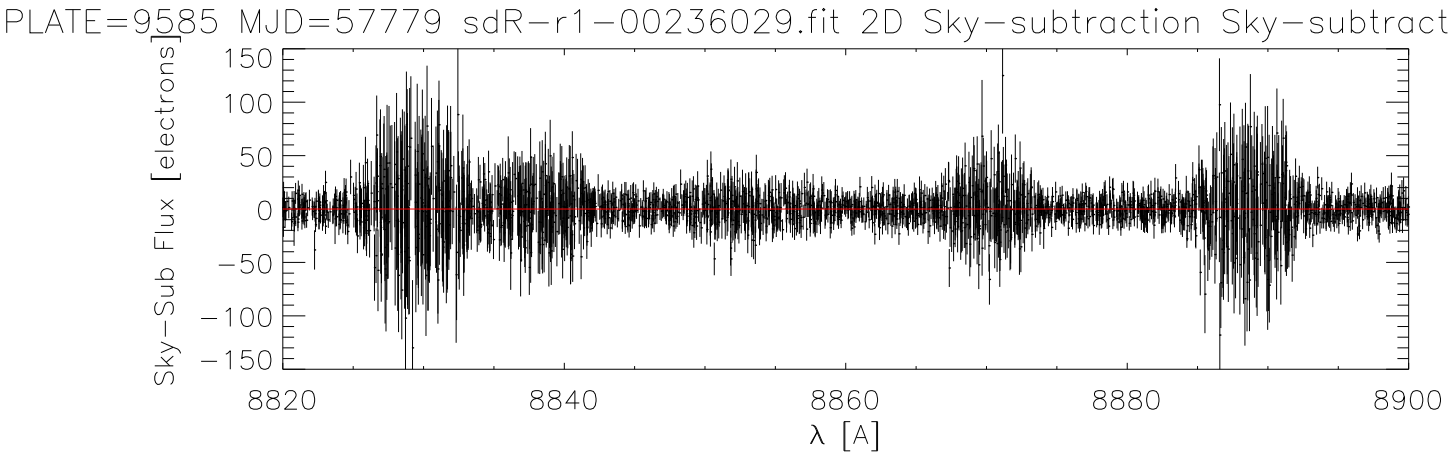

PLATE=9585 MJD=57779 sdR-r1-00236029.fit 1D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
150
100
50
0
-50
-100
-150
-200
8820
8840
8860
8880
8900
λ [A]

Number of sky fibers = 40

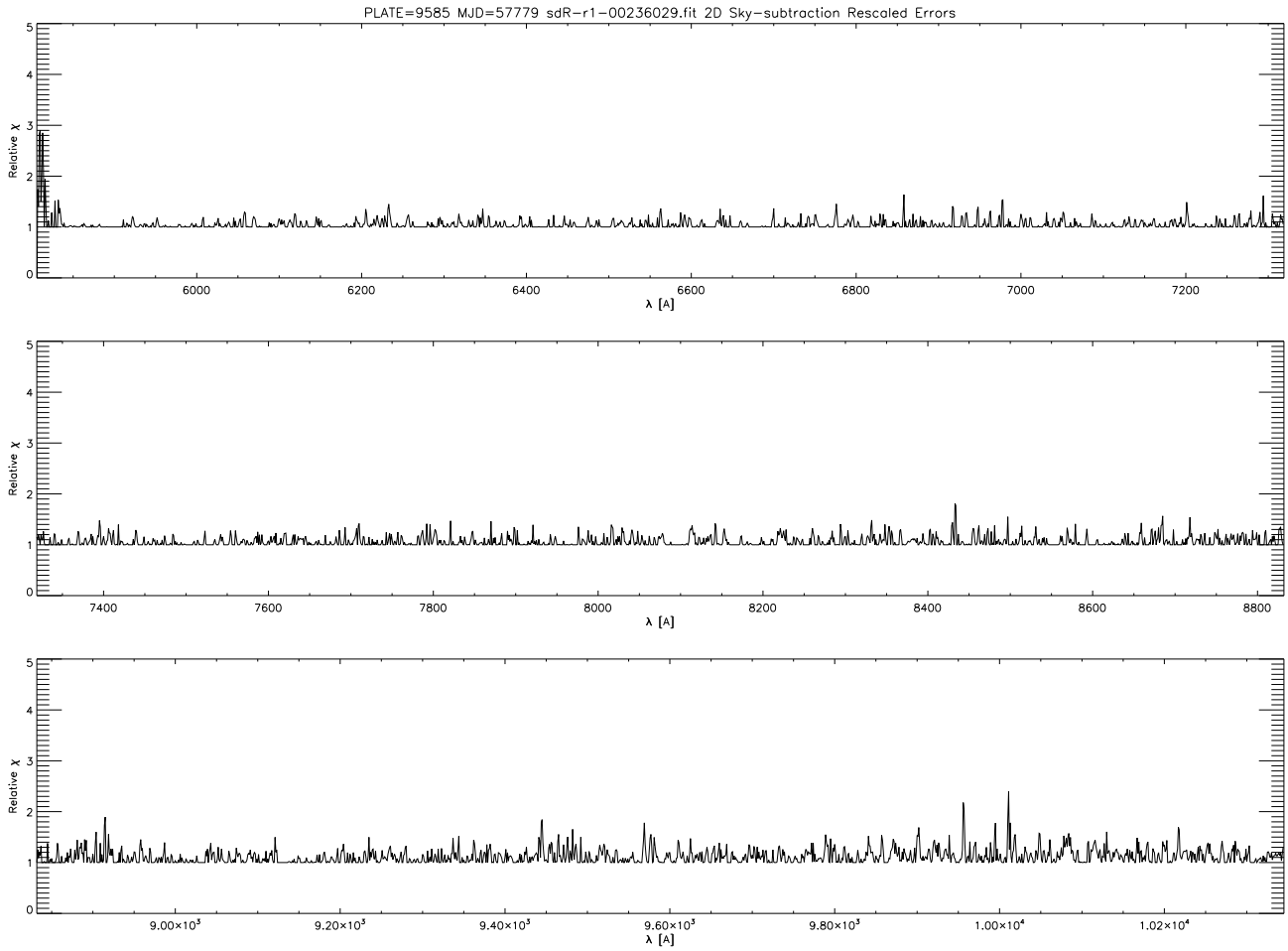


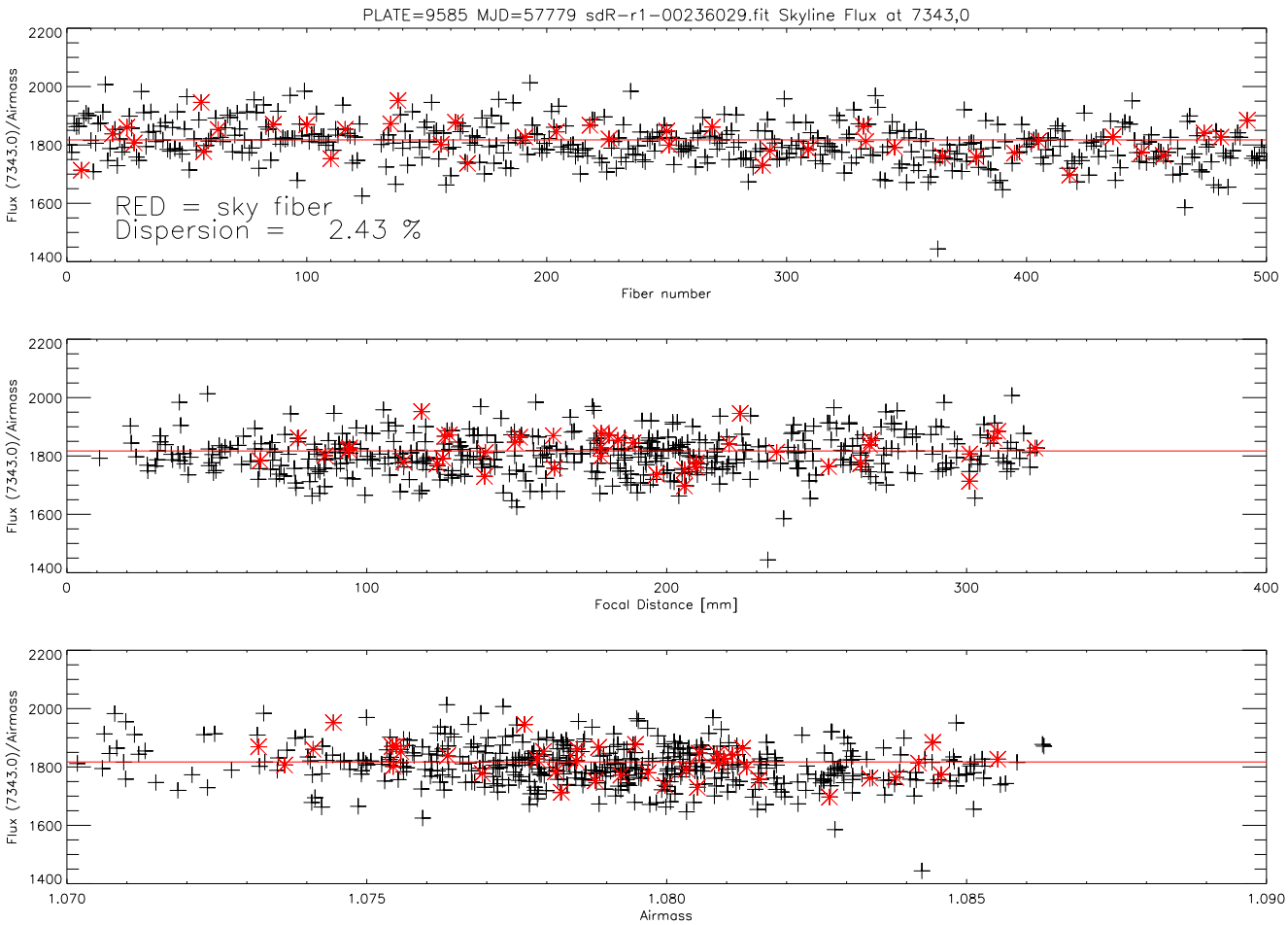

PLATE=9585 MJD=57779 sdR-r1-00236029.fit 2D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

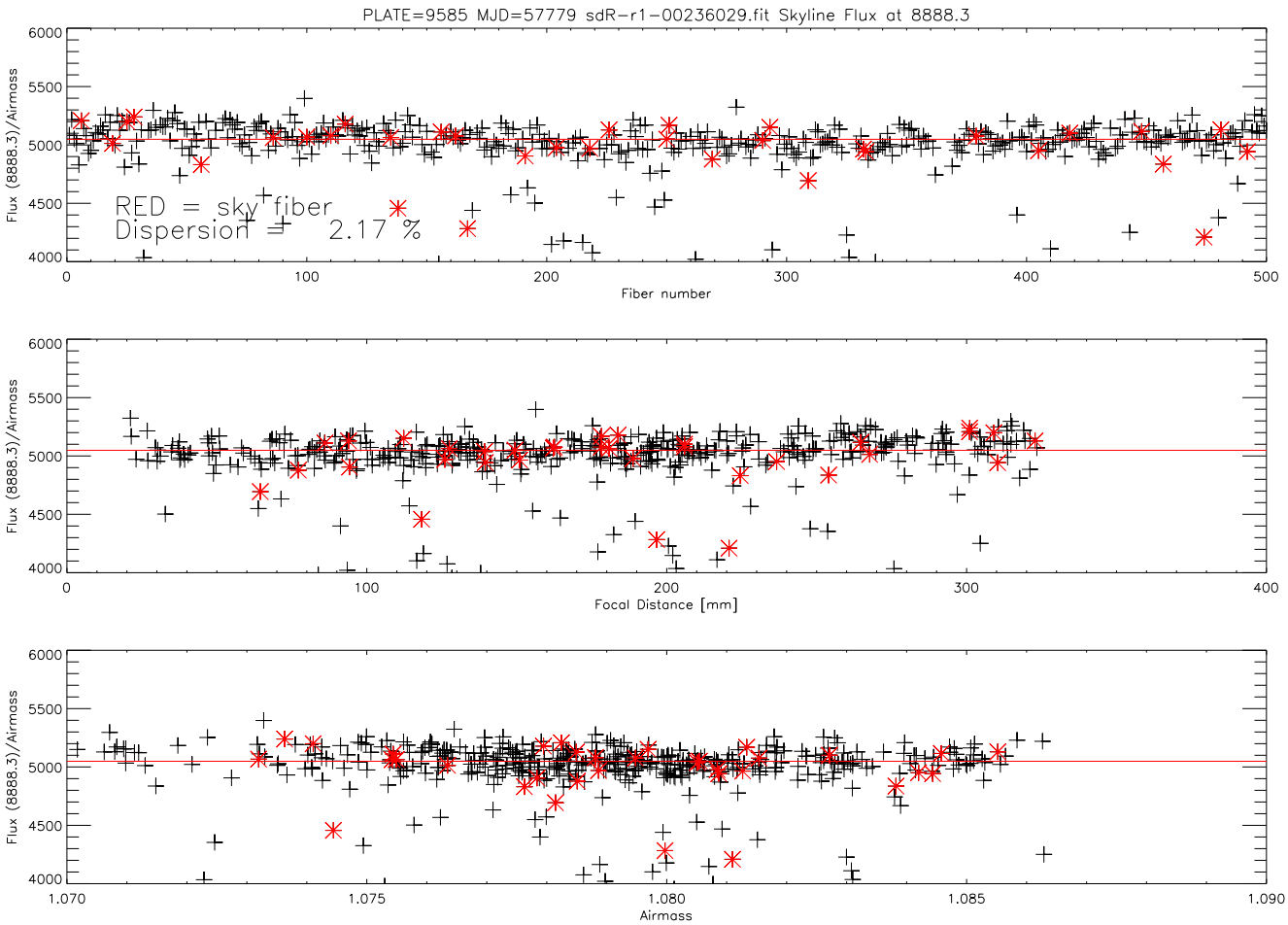

PLATE=9585 MJD=57779 sdR-r1-00236029.fit 2D Sky-subtraction Sky Fibers
Flux [electrons]
3000
2500
2000
1500
1000
500
0
8820
8840
8860
8880
8900
λ [A]

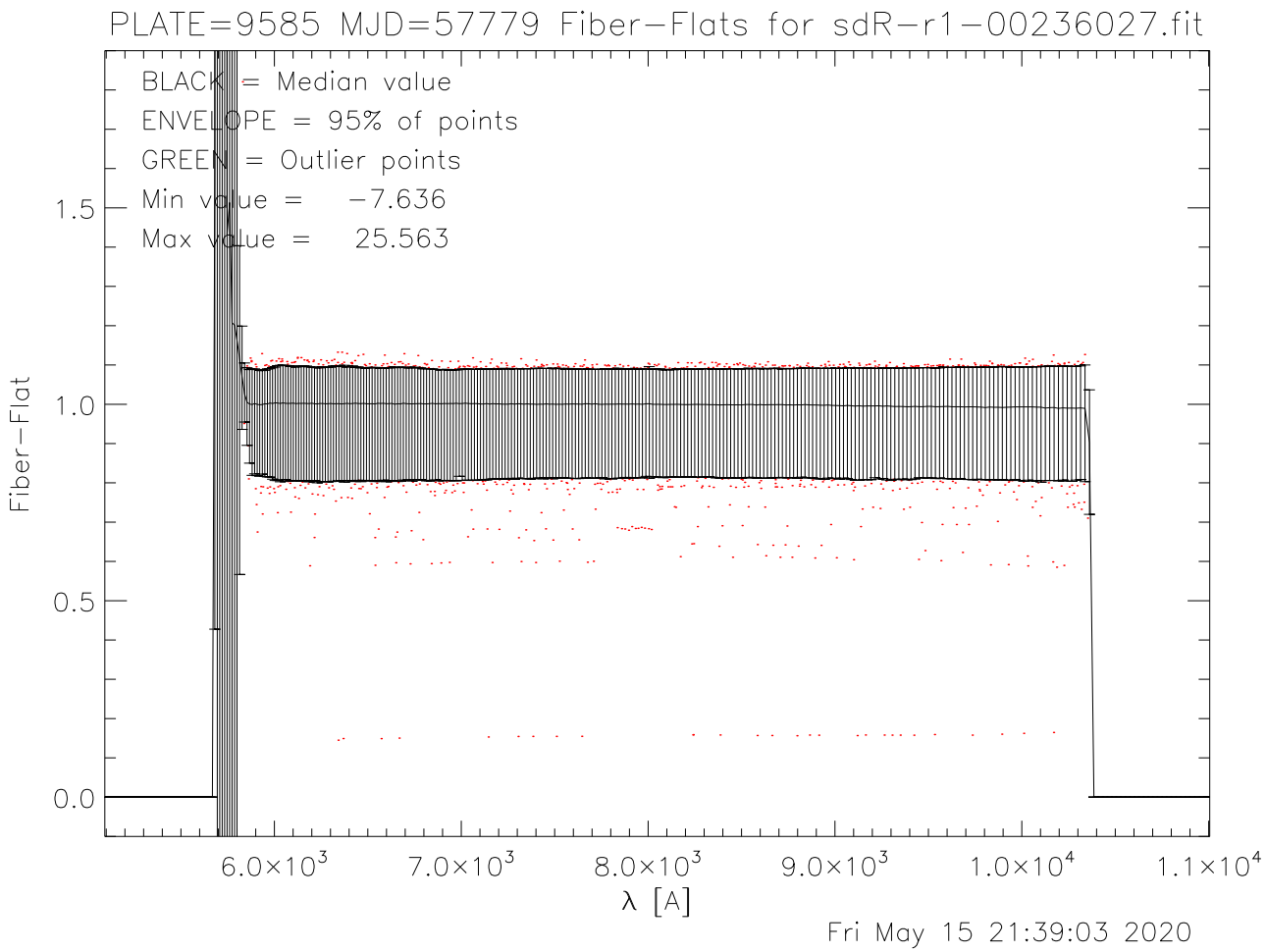

PLATE=9585 MJD=57779 sdR-r1-00236029.fit 2D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
150
100
50
0
-50
-100
-150
8820
8840
8860
8880
8900
λ [A]

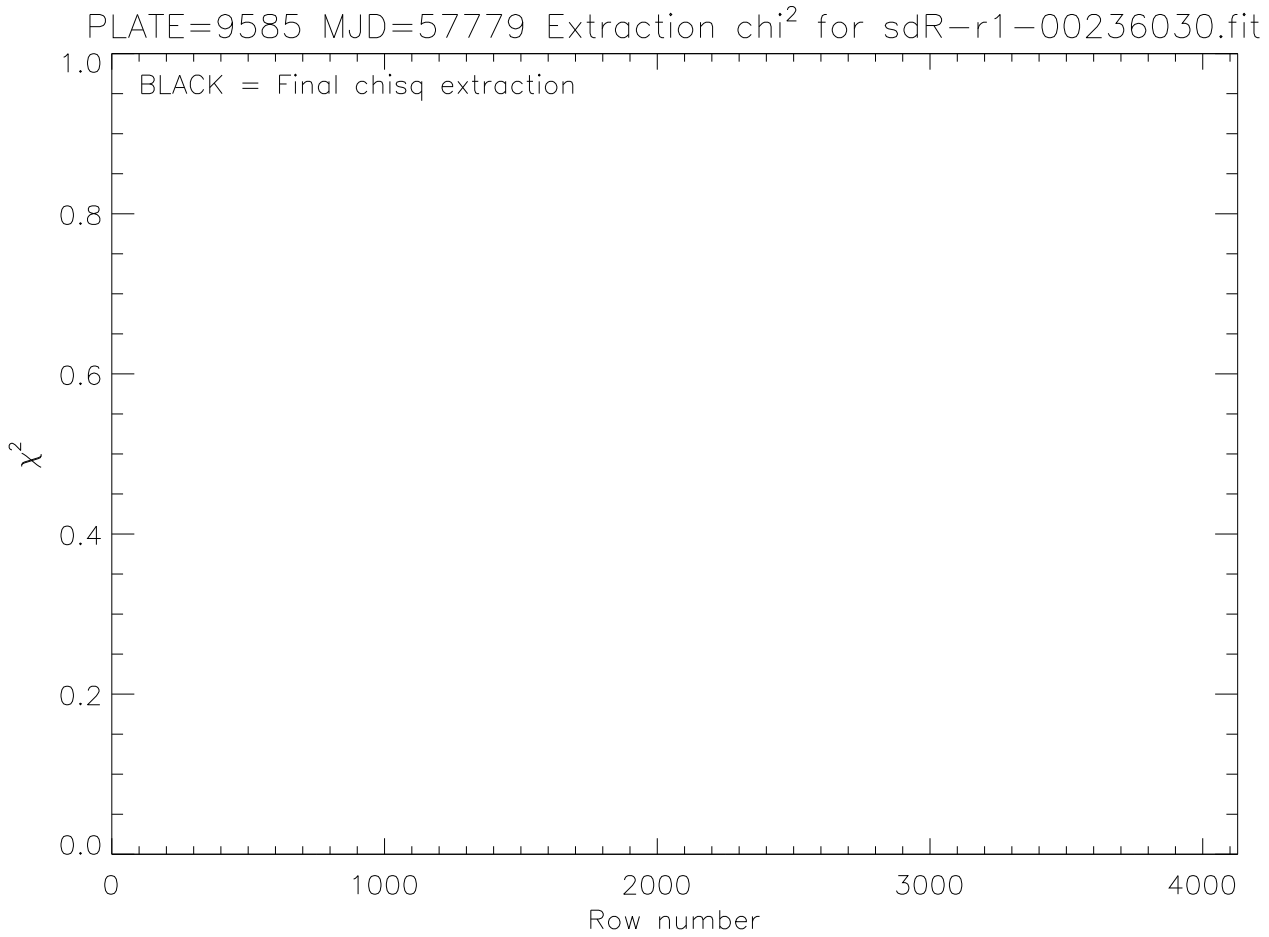
Number of sky fibers = 40

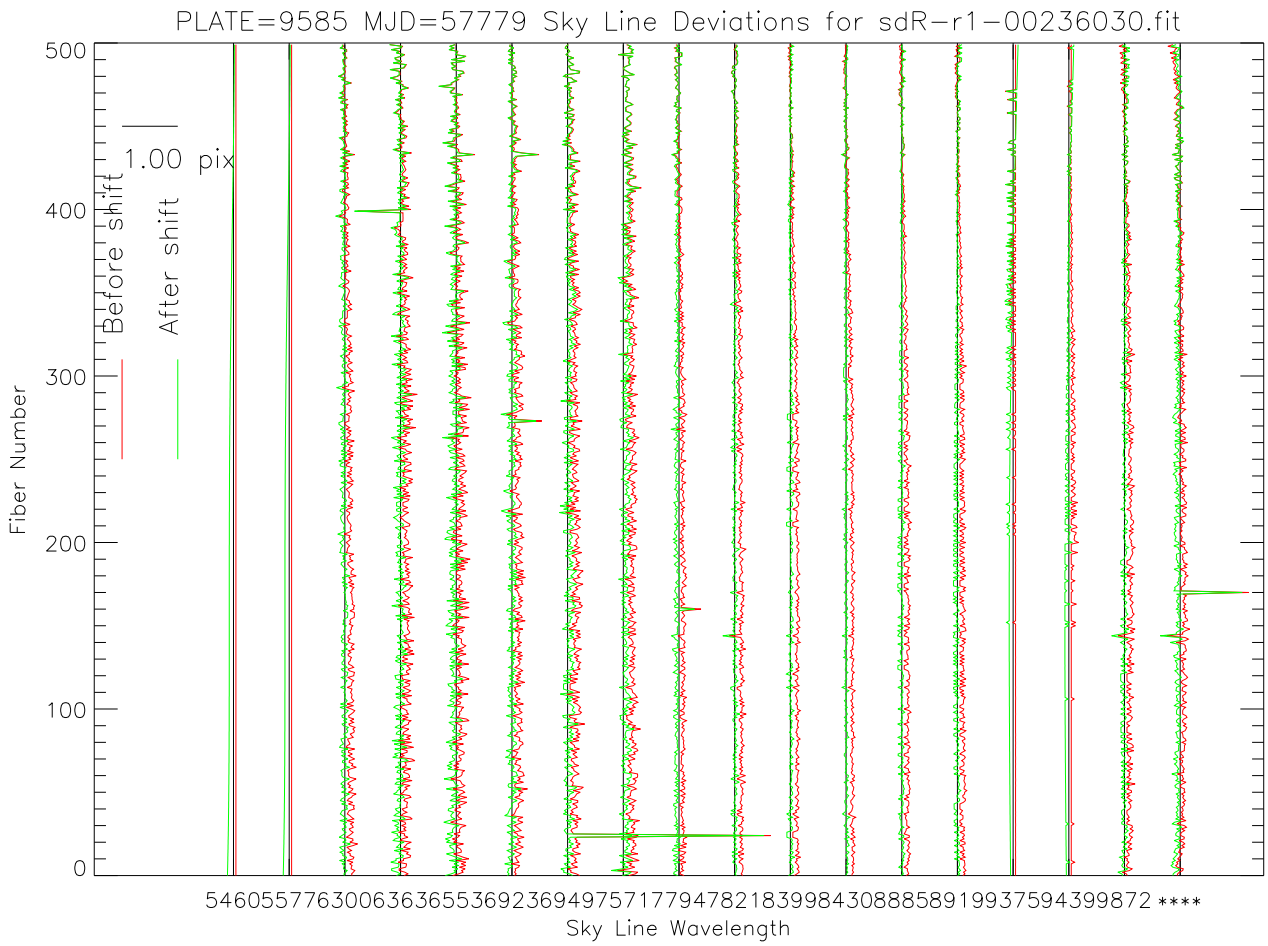


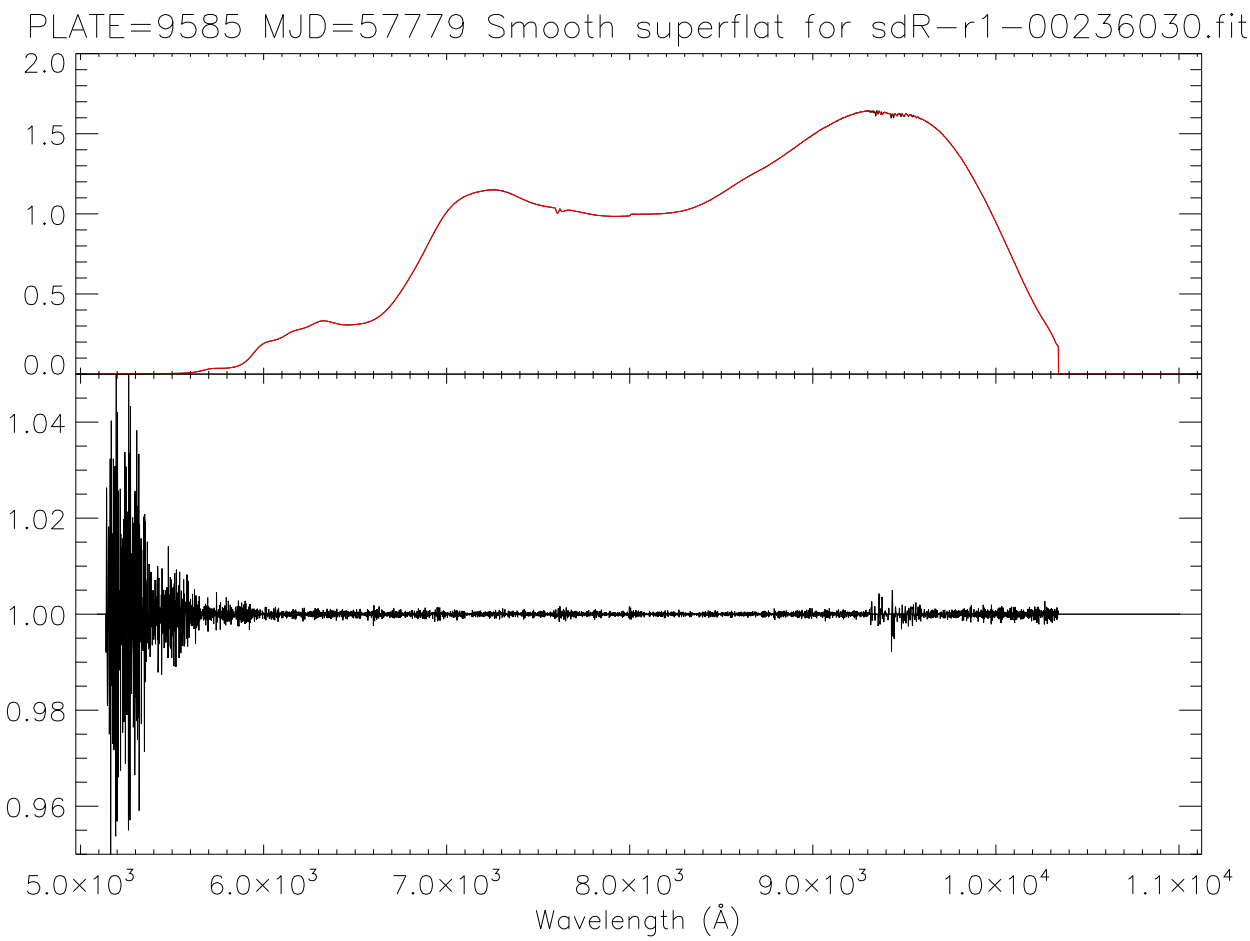

PLATE=9585 MJD=57779 sdR-r1-00236029.fit Skyline Flux at 7343,0
Flux (7343.0)/Airmass
RED = sky fiber
Dispersion = 2.43 %
Fiber number
Flux (7343.0)/Airmass
Focal Distance [mm]
Flux (7343.0)/Airmass
Airmass

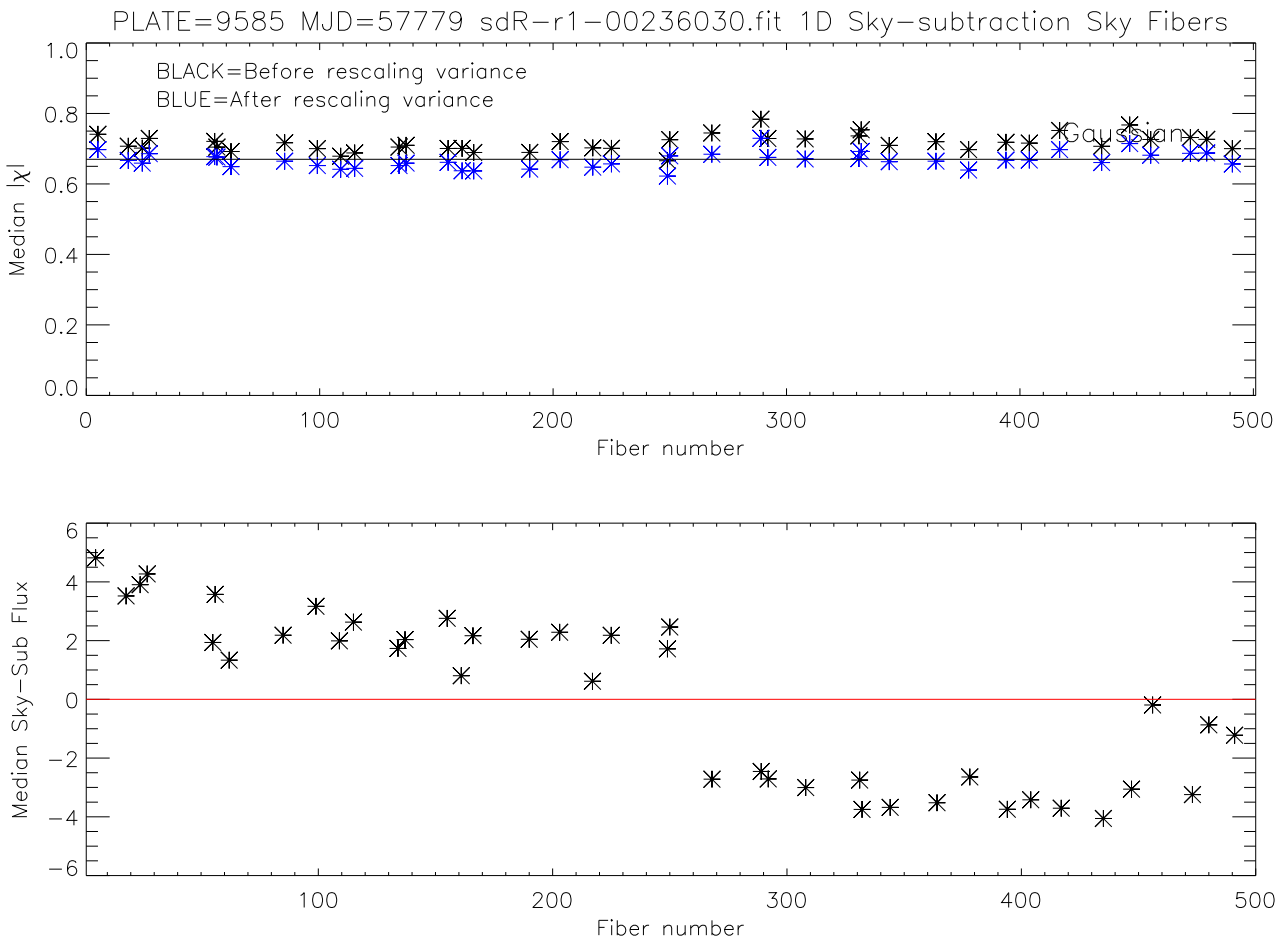

PLATE=9585 MJD=57779 sdR-r1-00236029.fit Skyline Flux at 8888.3
Flux (8888.3)/Airmass
Fiber number
RED = sky fiber
Dispersion = 2.17 %
Flux (8888.3)/Airmass
Focal Distance [mm]
Flux (8888.3)/Airmass
Airmass

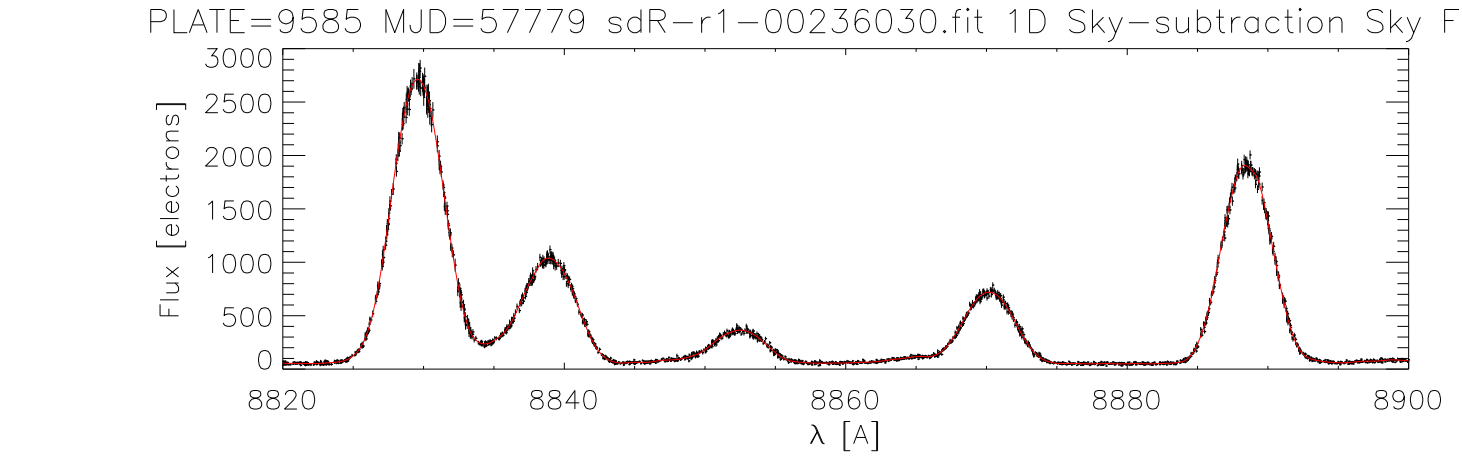

PLATE=9585 MJD=57779 Fiber−Flats for sdR−r1−00236027.fit
BLACK = Median value
ENVELOPE = 95% of points
GREEN = Outlier points
Min value = −7.636
Max value = 25.563
Fiber−Flat
1.5
1.0
0.5
0.0
6.0×10^3
7.0×10^3
8.0×10^3
9.0×10^3
1.0×10^4
1.1×10^4
λ [A]
Fri May 15 21:39:03 2020

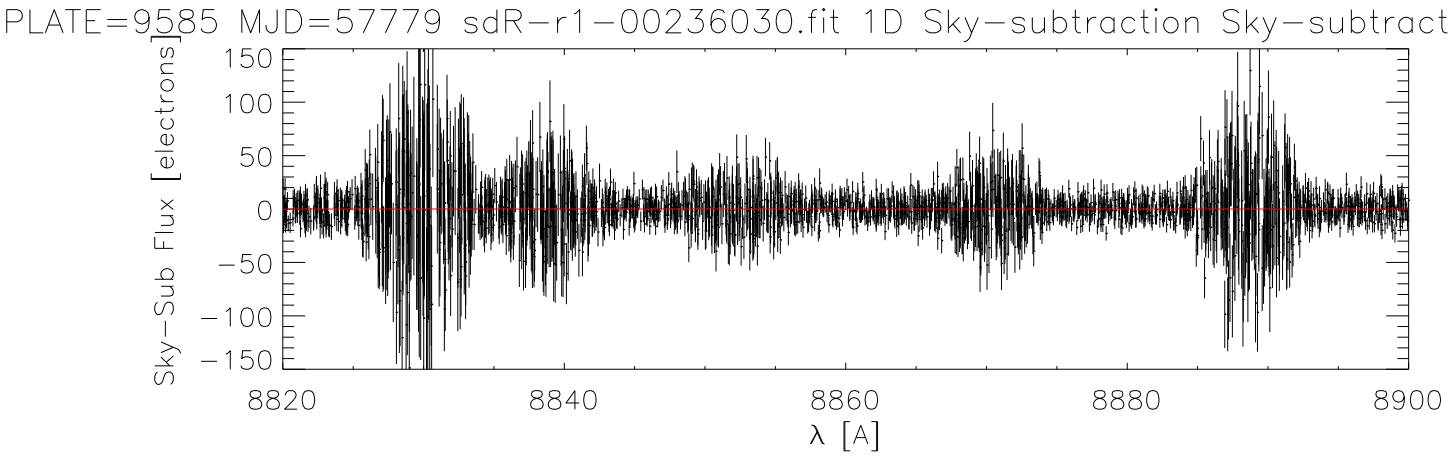

PLATE=9585 MJD=57779 Extraction chi^2 for sdR−r1−00236030.fit
BLACK = Final chisq extraction
χ^2
1.0
0.8
0.6
0.4
0.2
0.0
0
1000
2000
3000
4000
Row number


PLATE=9585 MJD=57779 Sky Line Deviations for sdR-r1-00236030.fit
1.00 pix
Before shift
After shift
Fiber Number
0
100
200
300
400
500
5460557763006363655369236949757177947821839984308885891993759439987 2 ****
Sky Line Wavelength

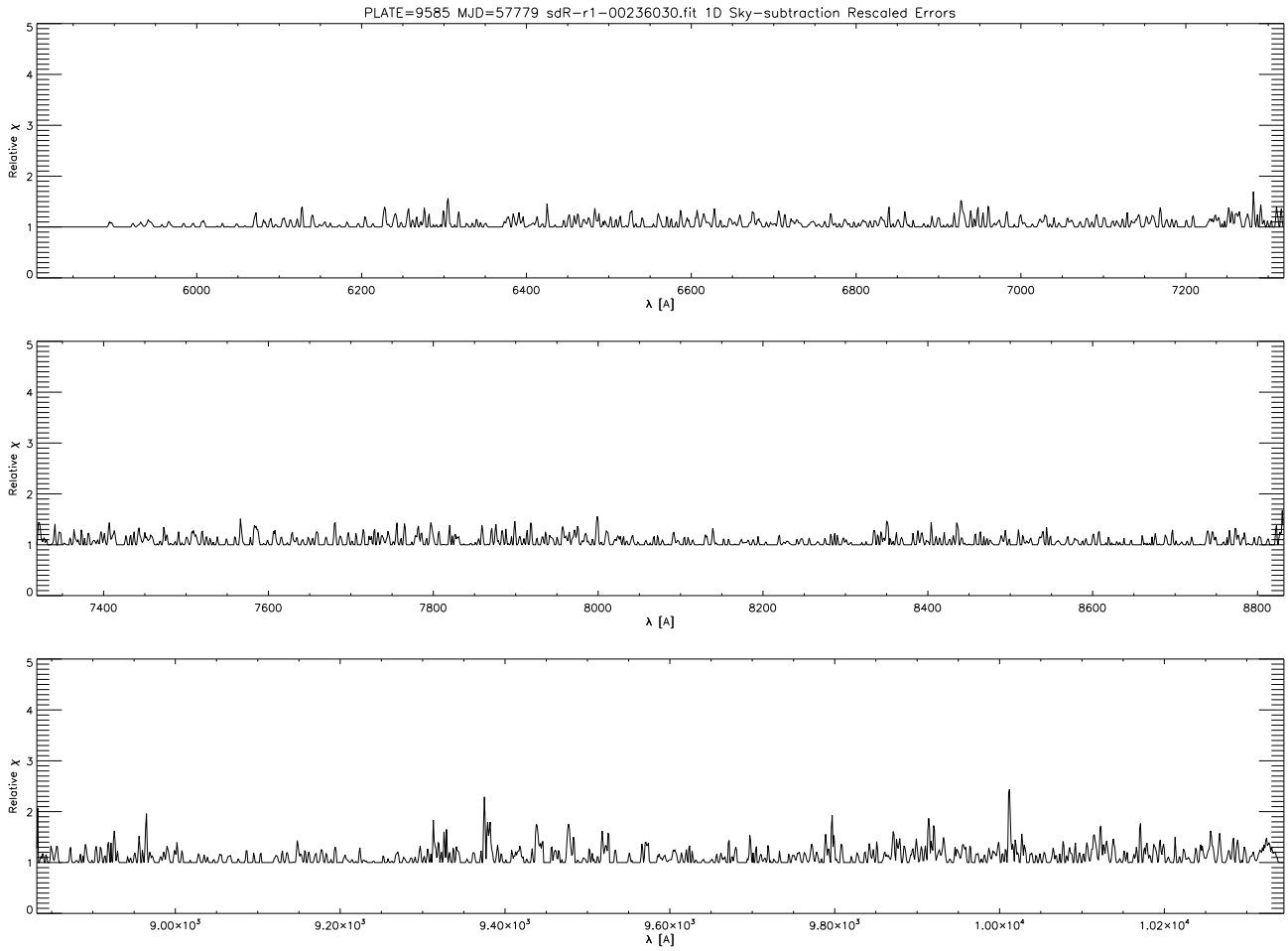

PLATE=9585 MJD=57779 Smooth superflat for sdR-r1-00236030.fit
2.0
1.5
1.0
0.5
0.0
1.04
1.02
1.00
0.98
0.96
5.0×10^3
6.0×10^3
7.0×10^3
8.0×10^3
9.0×10^3
1.0×10^4
1.1×10^4
Wavelength (Å)

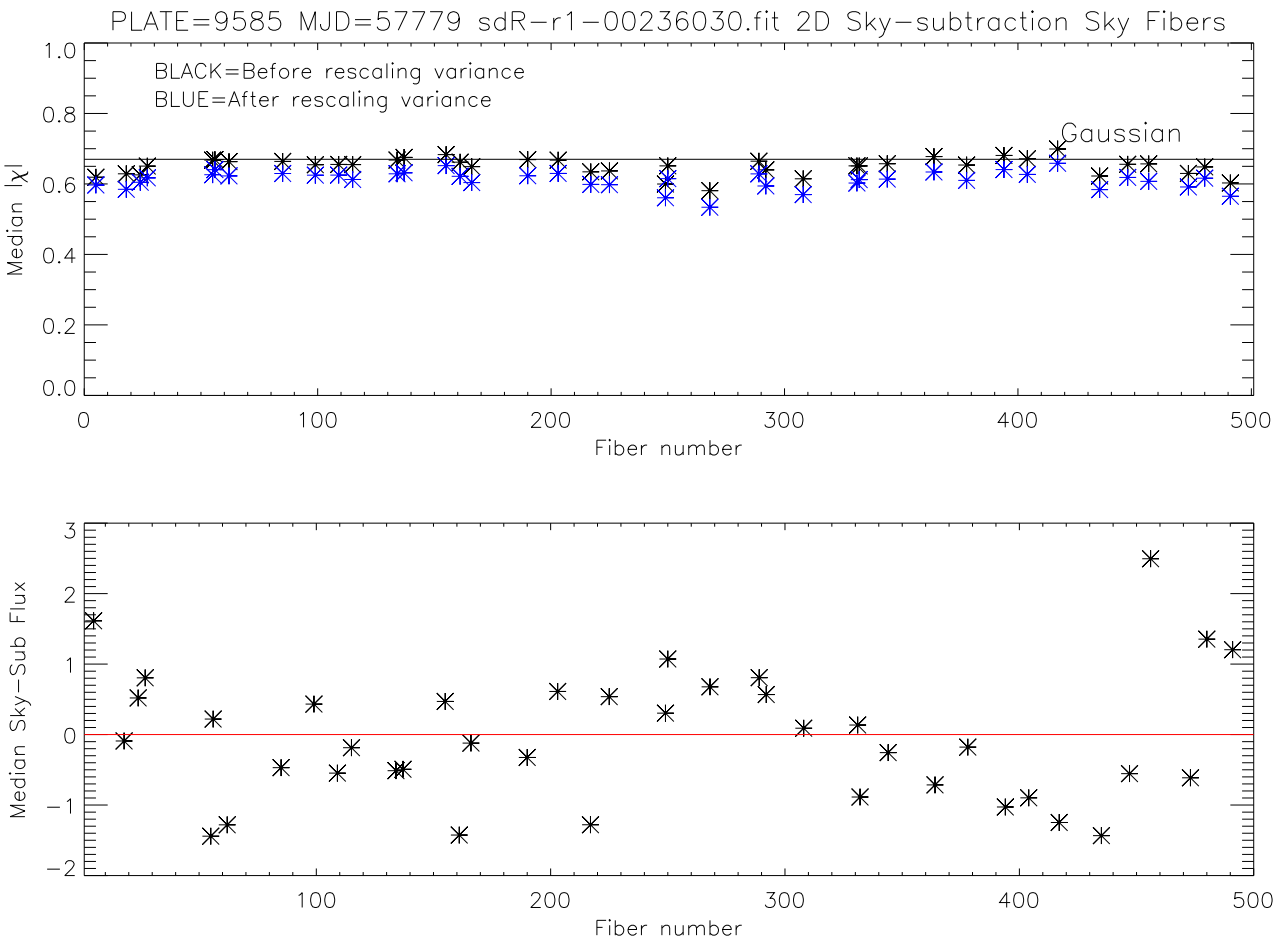

PLATE=9585 MJD=57779 sdR-r1-00236030.fit 1D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

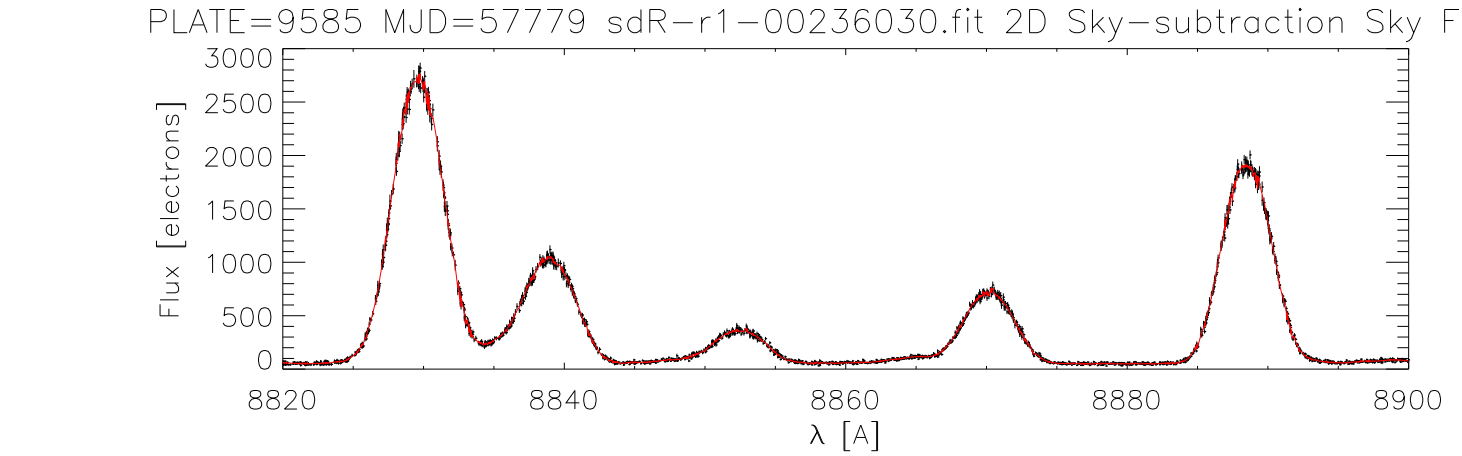

PLATE=9585 MJD=57779 sdR-r1-00236030.fit 1D Sky-subtraction Sky Fibers
Flux [electrons]
3000
2500
2000
1500
1000
500
0
8820
8840
8860
8880
8900
λ [A]

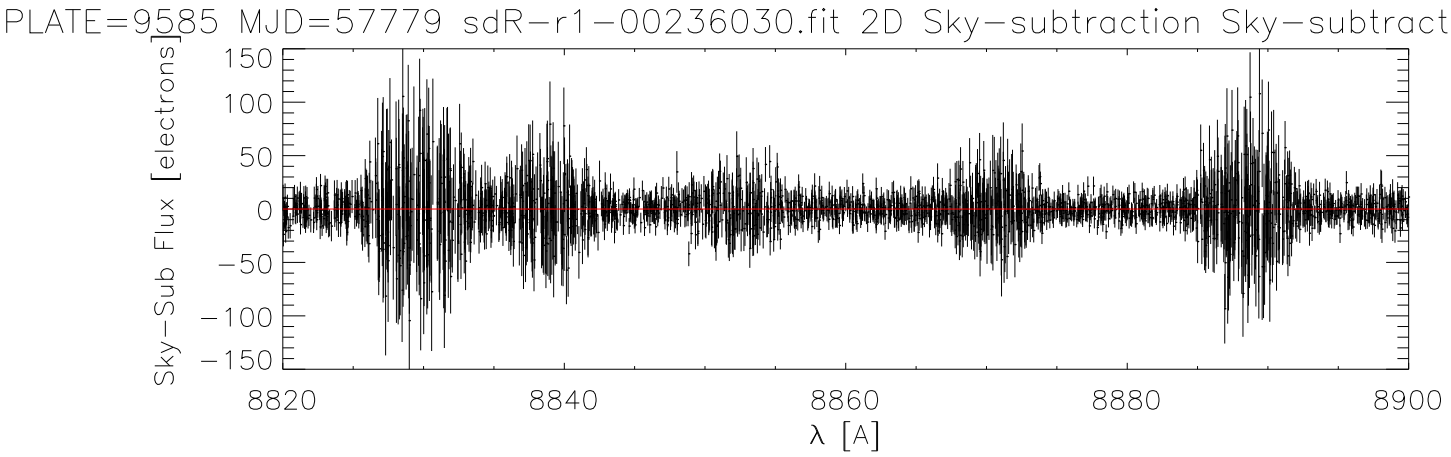

PLATE=9585 MJD=57779 sdR-r1-00236030.fit 1D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
150
100
50
0
−50
−100
−150
8820
8840
8860
8880
8900
λ [A]

Number of sky fibers = 40

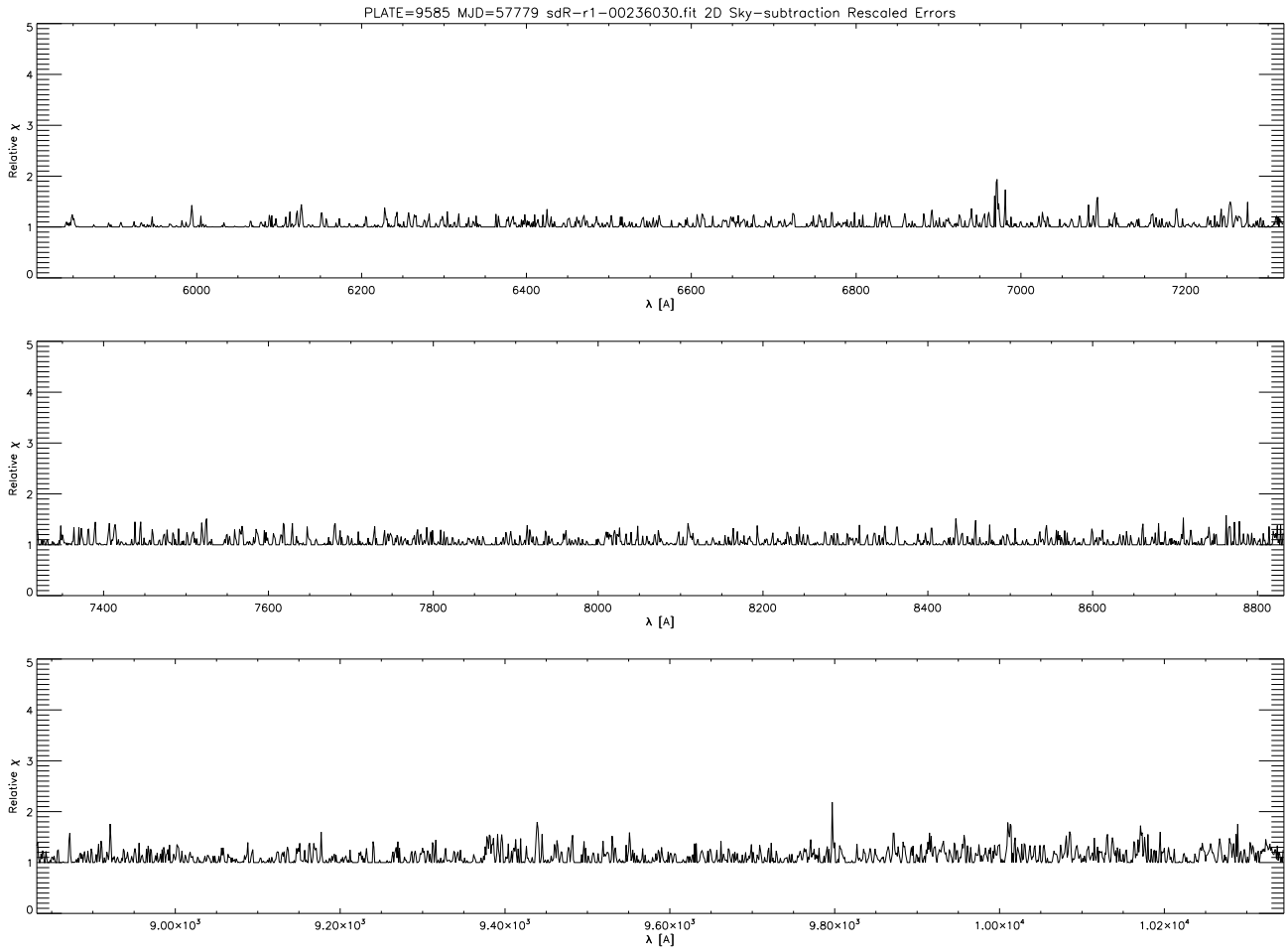


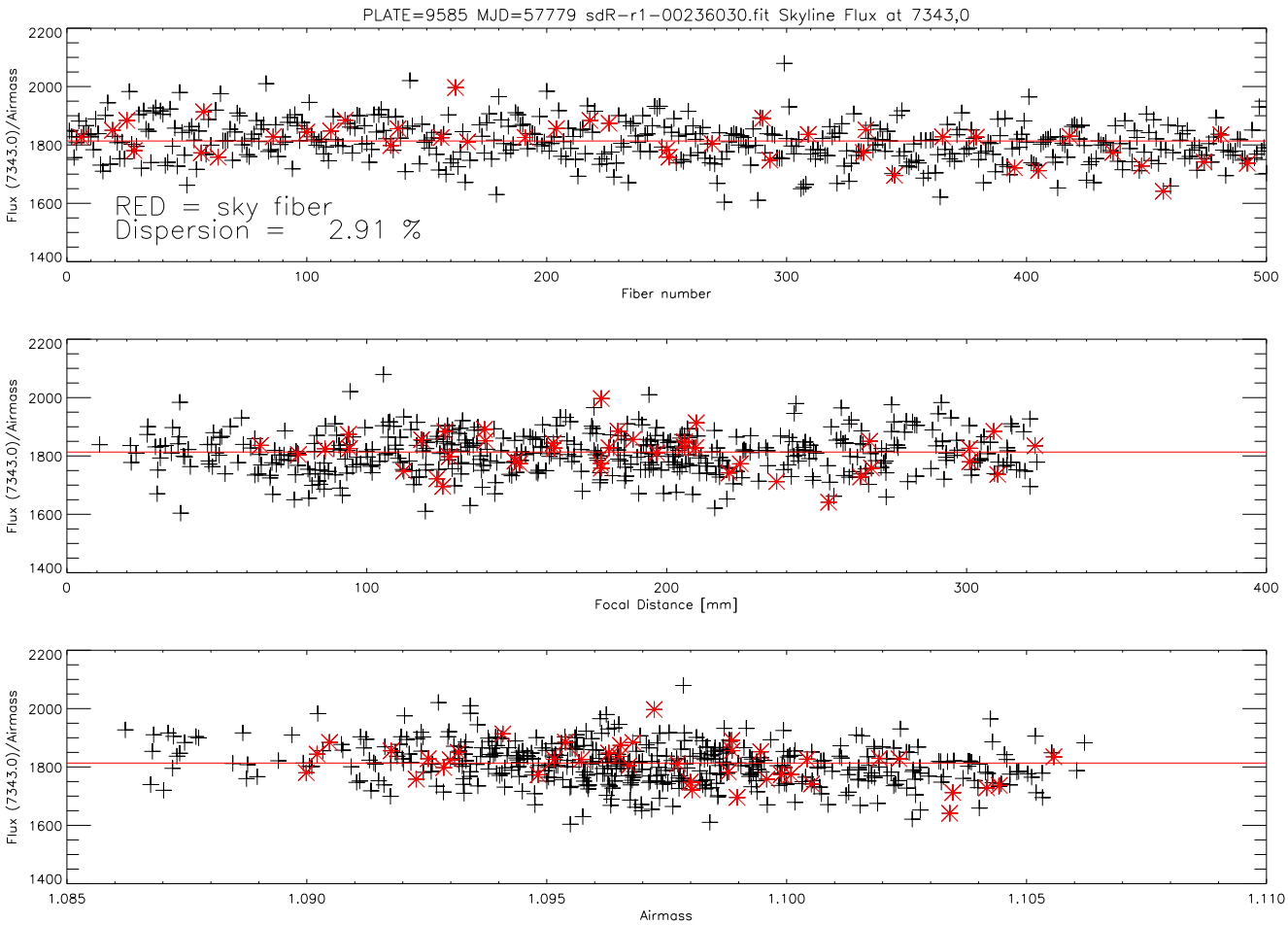

PLATE=9585 MJD=57779 sdR-r1-00236030.fit 2D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

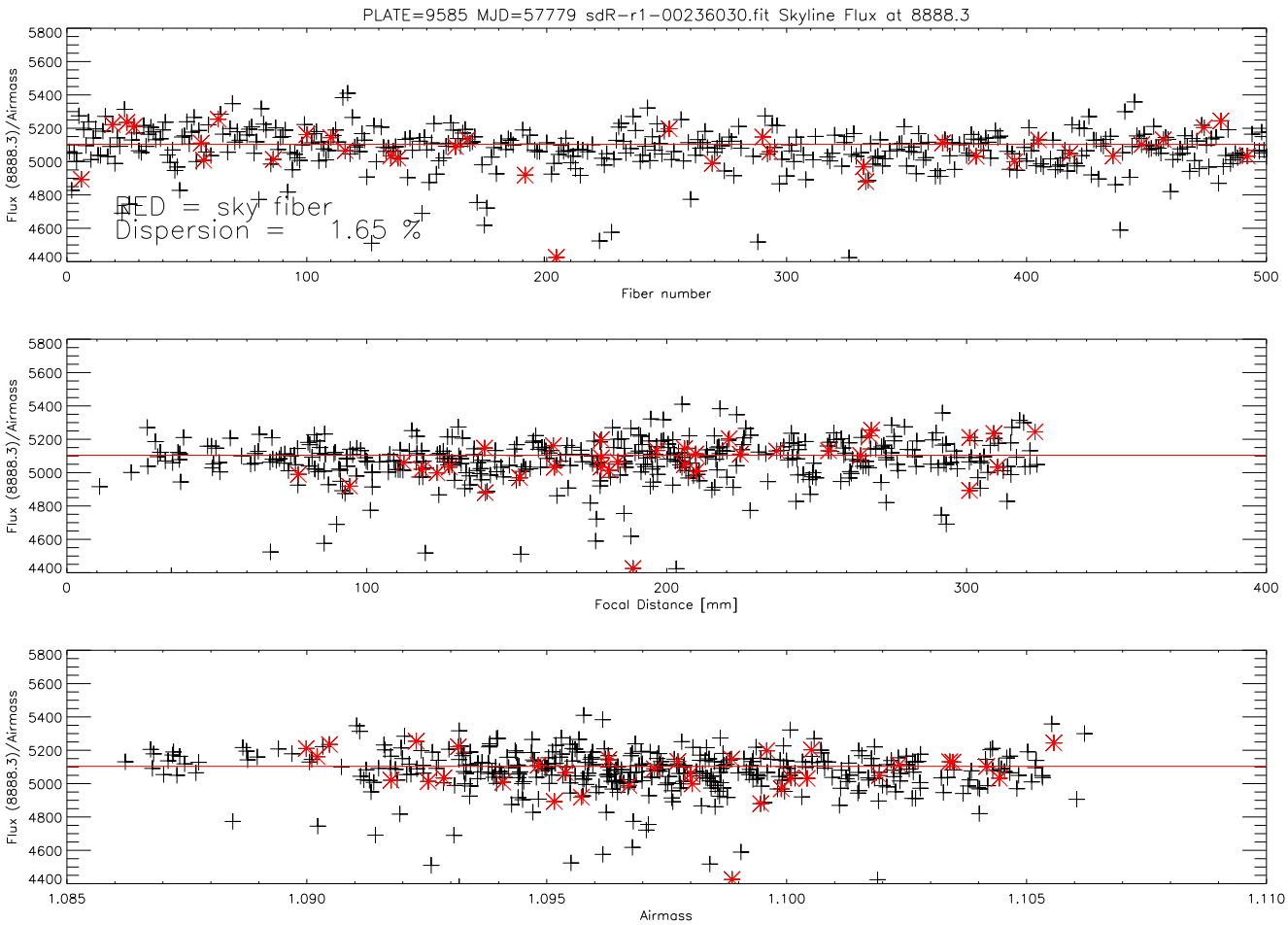

PLATE=9585 MJD=57779 sdR-r1-00236030.fit 2D Sky-subtraction Sky Fibers
Flux [electrons]
3000
2500
2000
1500
1000
500
0
8820
8840
8860
8880
8900
λ [A]

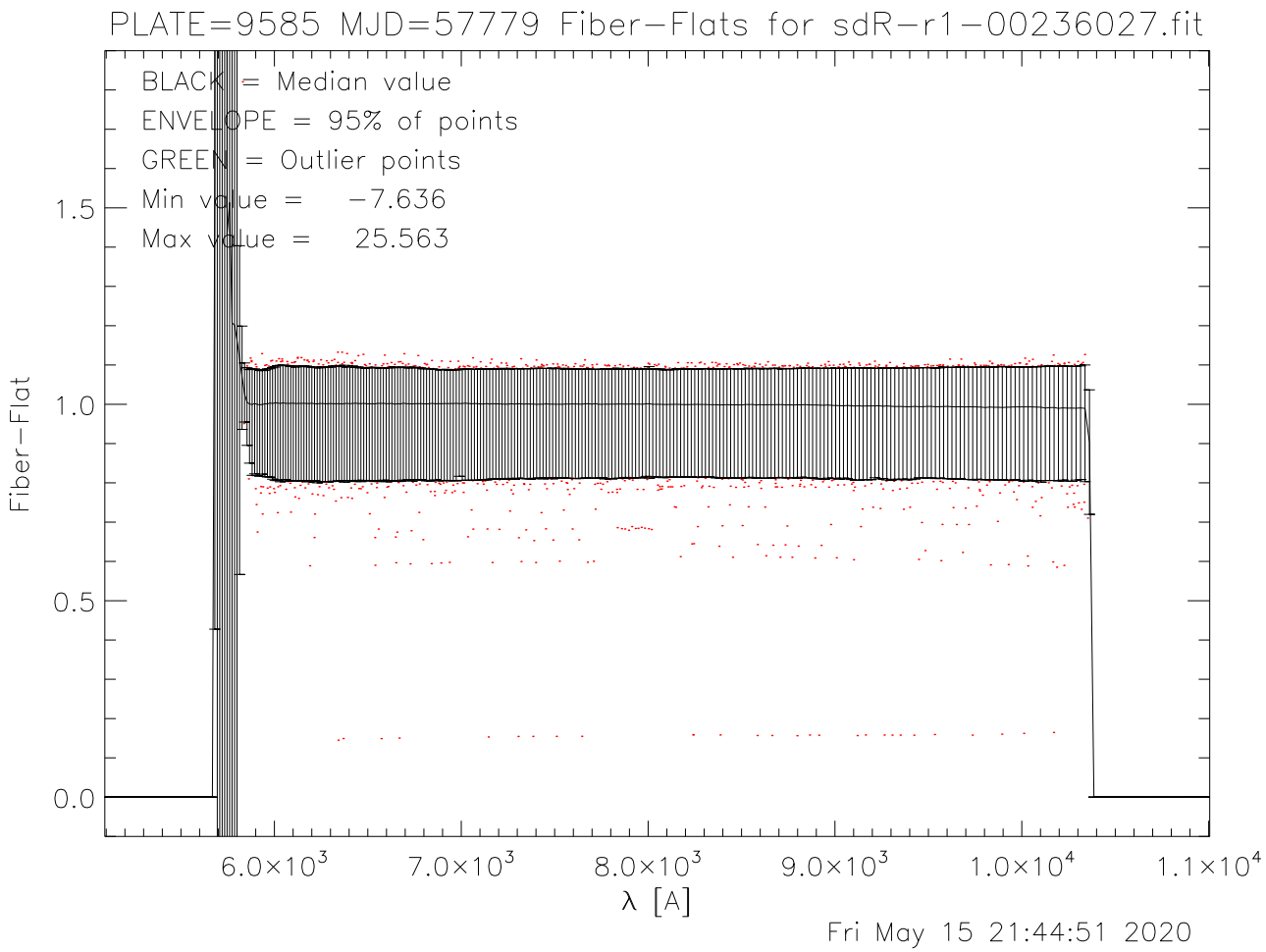

PLATE=9585 MJD=57779 sdR-r1-00236030.fit 2D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
150
100
50
0
−50
−100
−150
8820
8840
8860
8880
8900
λ [A]

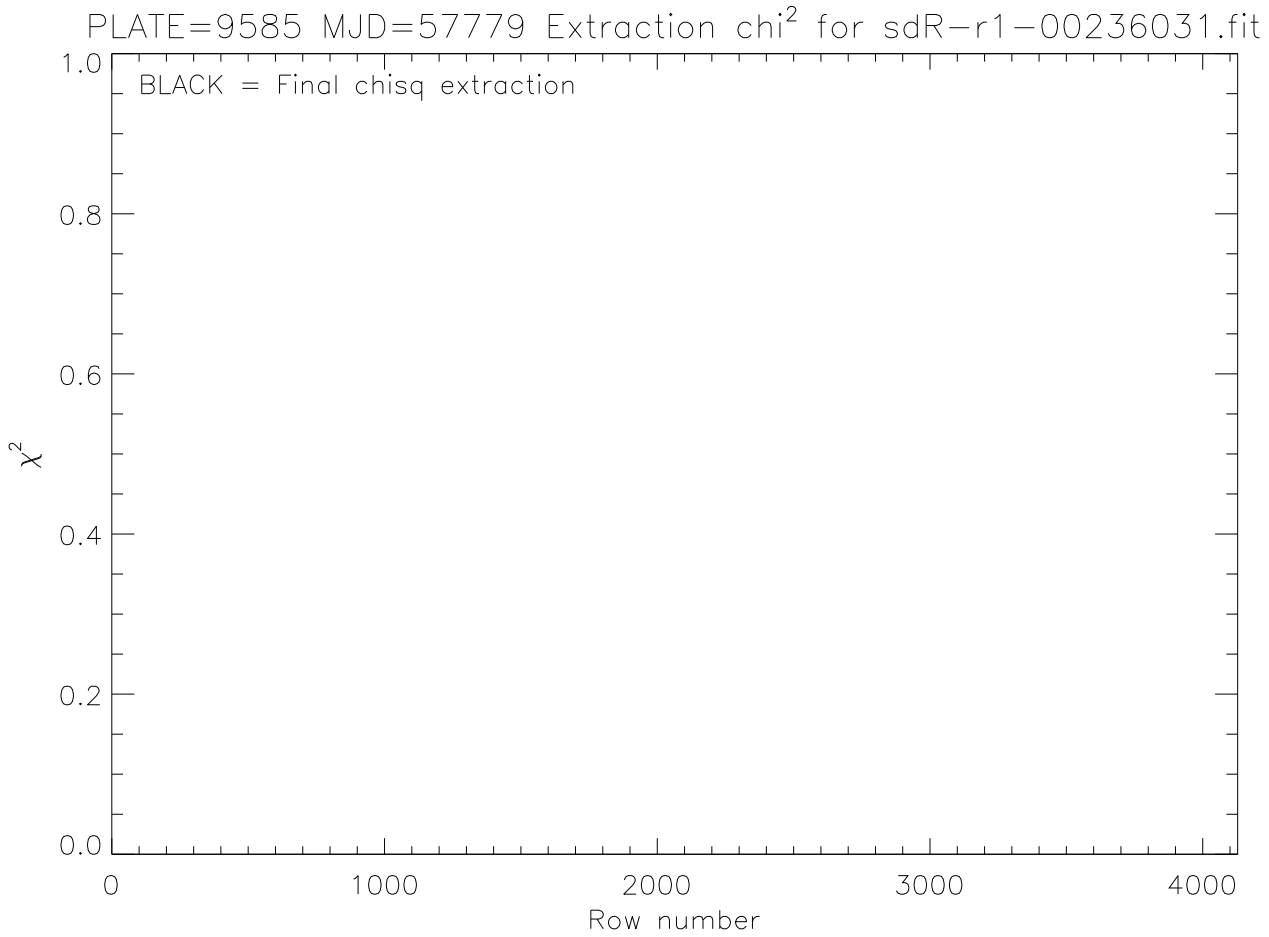
Number of sky fibers = 40

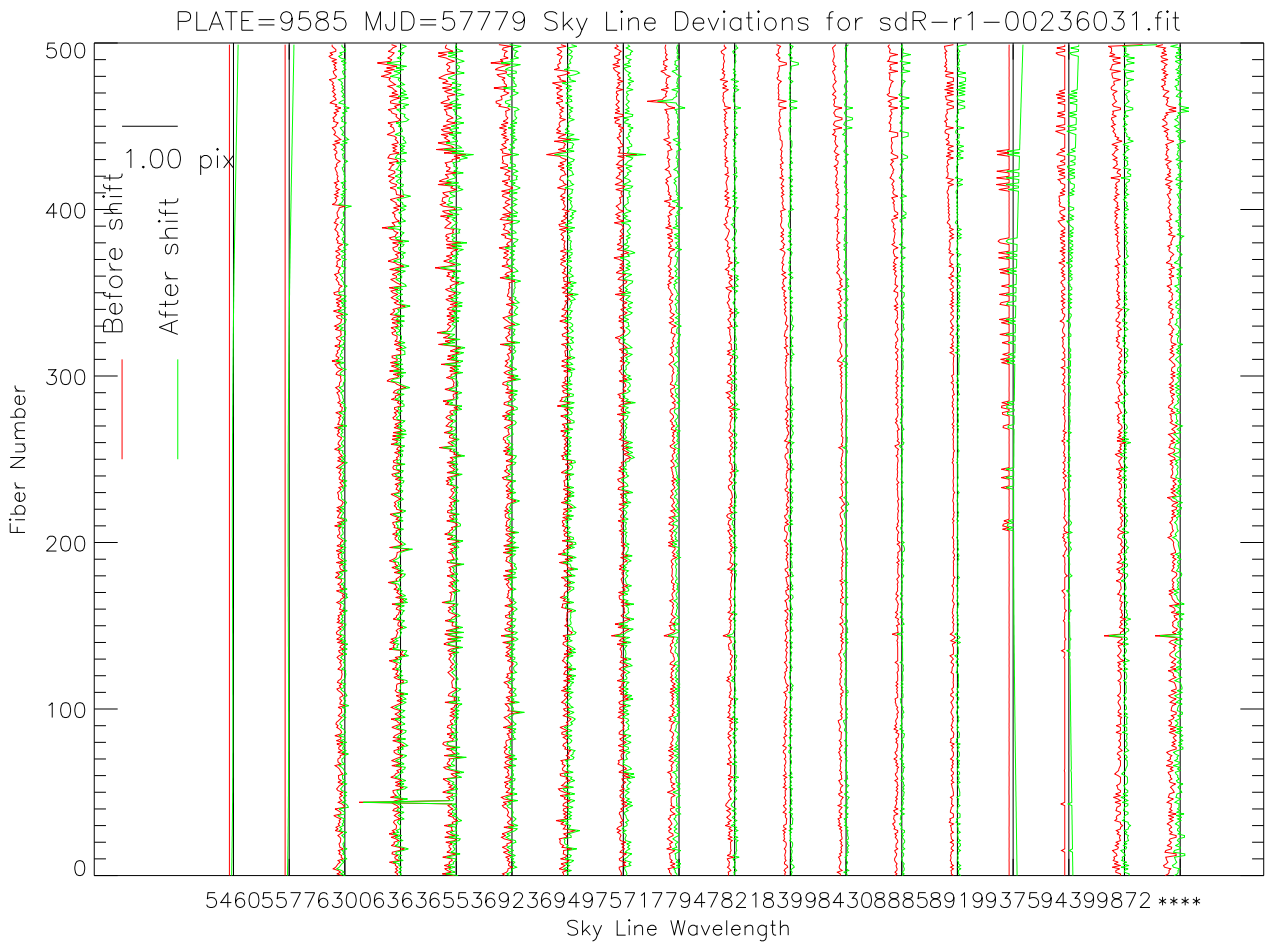


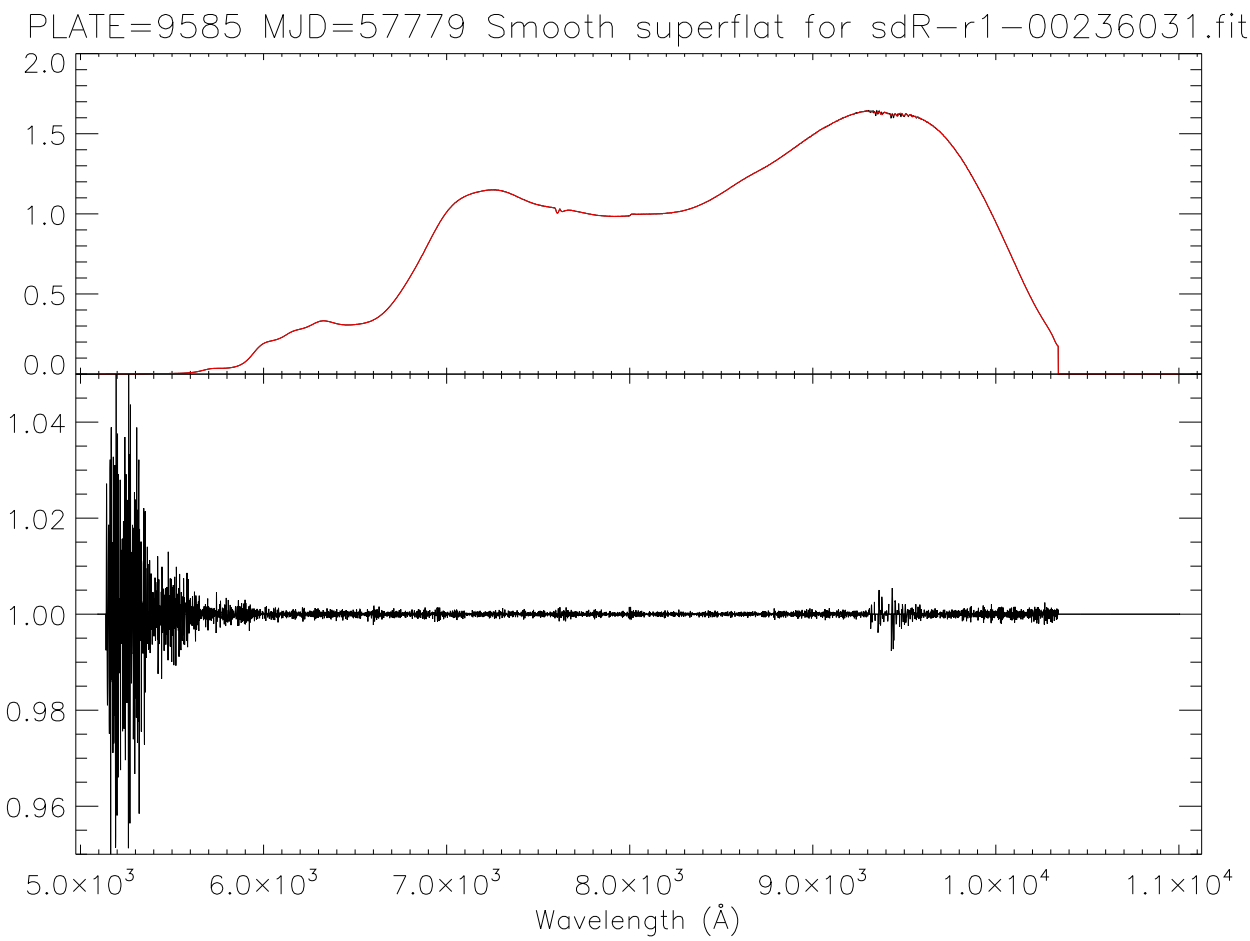

PLATE=9585 MJD=57779 sdR-r1-00236030.fit Skyline Flux at 7343,0
Flux (7343.0)/Airmass
RED = sky fiber
Dispersion = 2.91 %
Fiber number
Flux (7343.0)/Airmass
Focal Distance [mm]
Flux (7343.0)/Airmass
Airmass

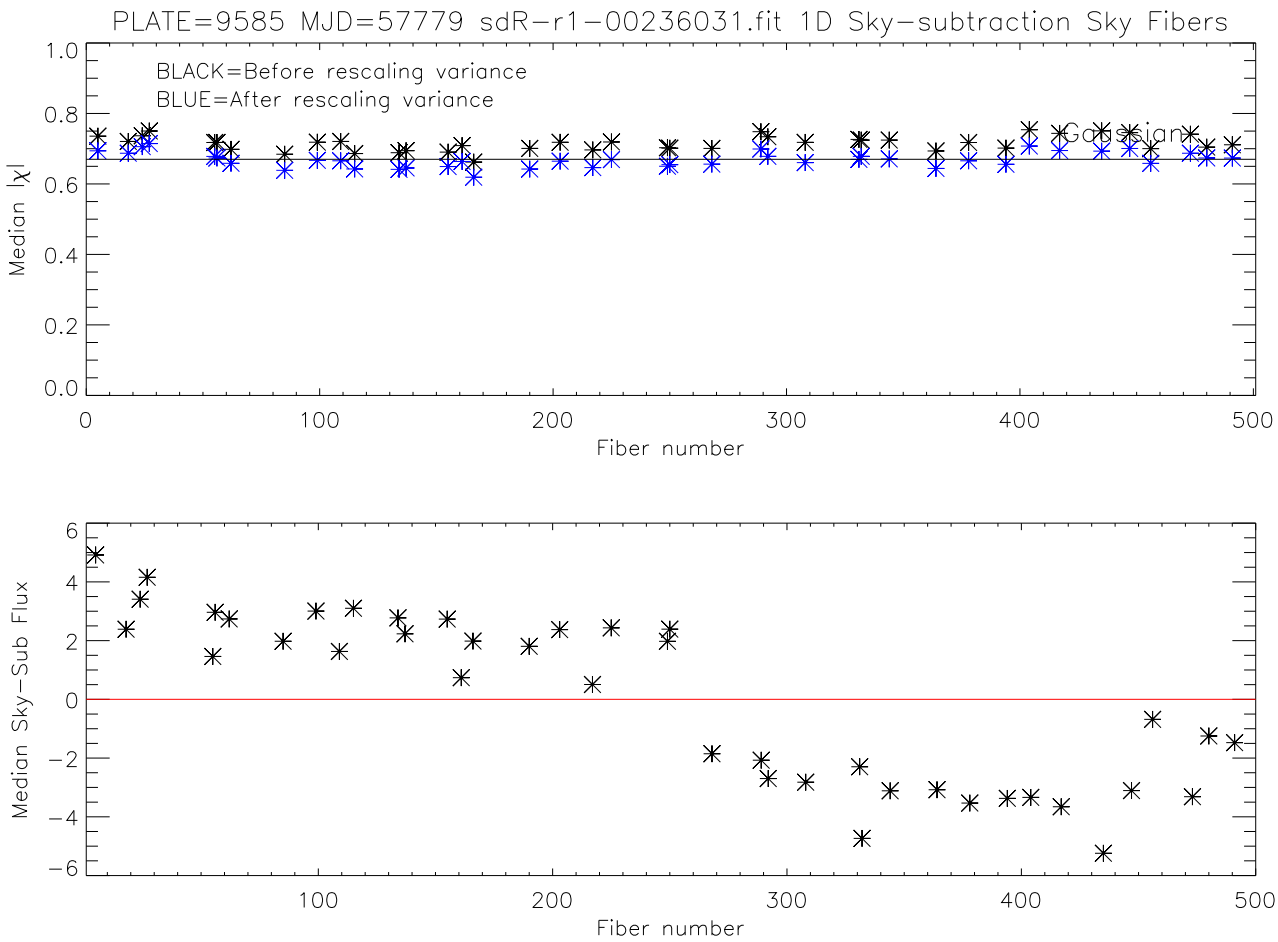

PLATE=9585 MJD=57779 sdR-r1-00236030.fit Skyline Flux at 8888.3
Flux (8888.3)/Airmass
Fiber number
RED = sky fiber
Dispersion = 1.65 %
Flux (8888.3)/Airmass
Focal Distance [mm]
Flux (8888.3)/Airmass
Airmass

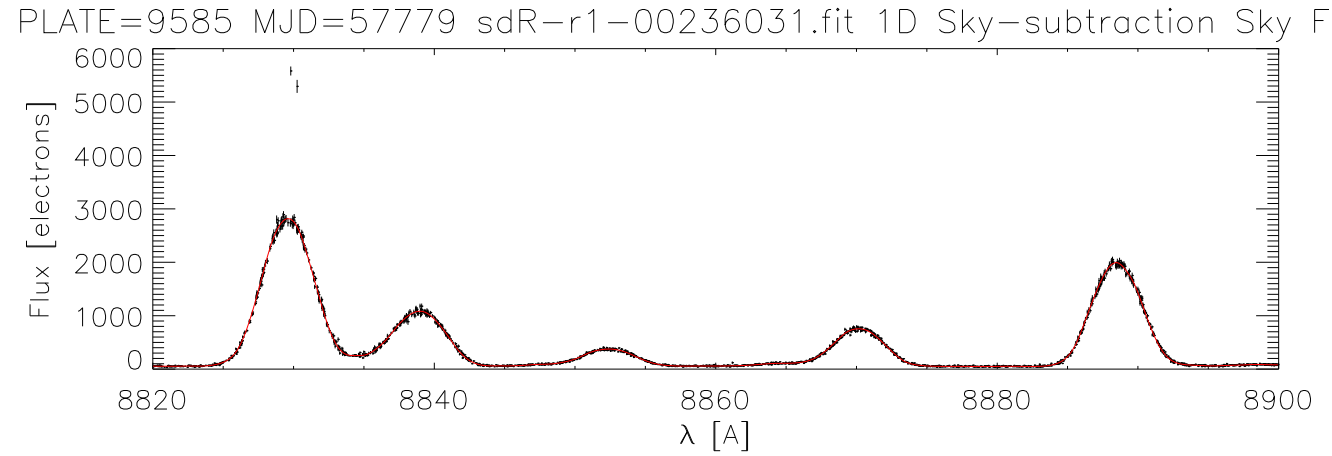

PLATE=9585 MJD=57779 Fiber−Flats for sdR−r1−00236027.fit
BLACK = Median value
ENVELOPE = 95% of points
GREEN = Outlier points
Min value = −7.636
Max value = 25.563
Fiber−Flat
1.5
1.0
0.5
0.0
6.0×10^3
7.0×10^3
8.0×10^3
9.0×10^3
1.0×10^4
1.1×10^4
λ [A]
Fri May 15 21:44:51 2020

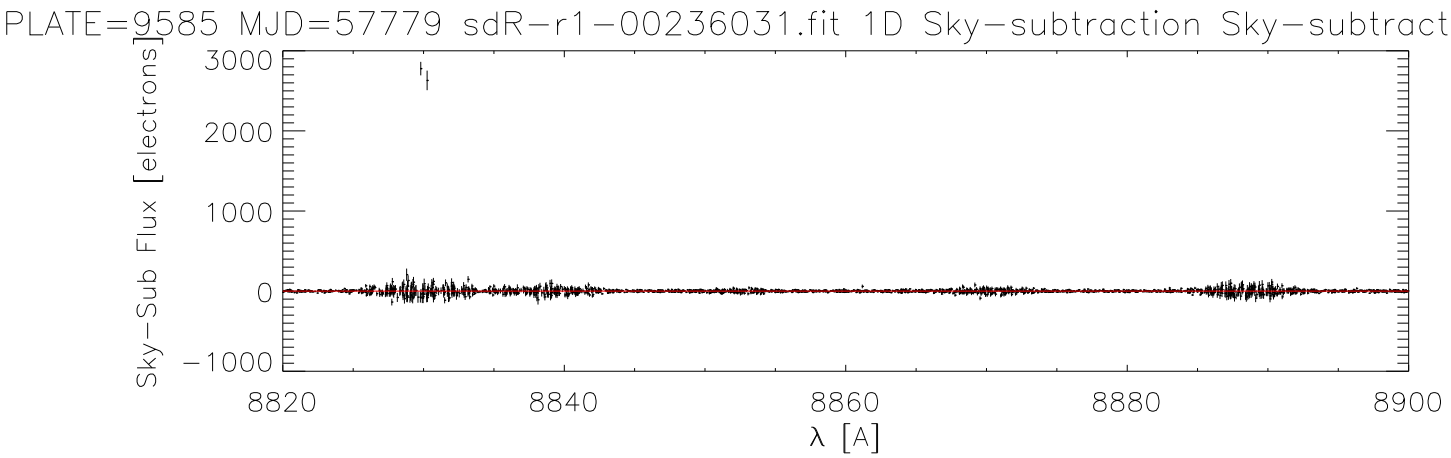

PLATE=9585 MJD=57779 Extraction chi^2 for sdR−r1−00236031.fit
BLACK = Final chisq extraction
χ^2
1.0
0.8
0.6
0.4
0.2
0.0
0
1000
2000
3000
4000
Row number


PLATE=9585 MJD=57779 Sky Line Deviations for sdR-r1-00236031.fit
Before shift
After shift
1.00 pix
Fiber Number
500
400
300
200
100
0
5460557763006363655369236949757177947821839984308885891993759439987 2 ****
Sky Line Wavelength

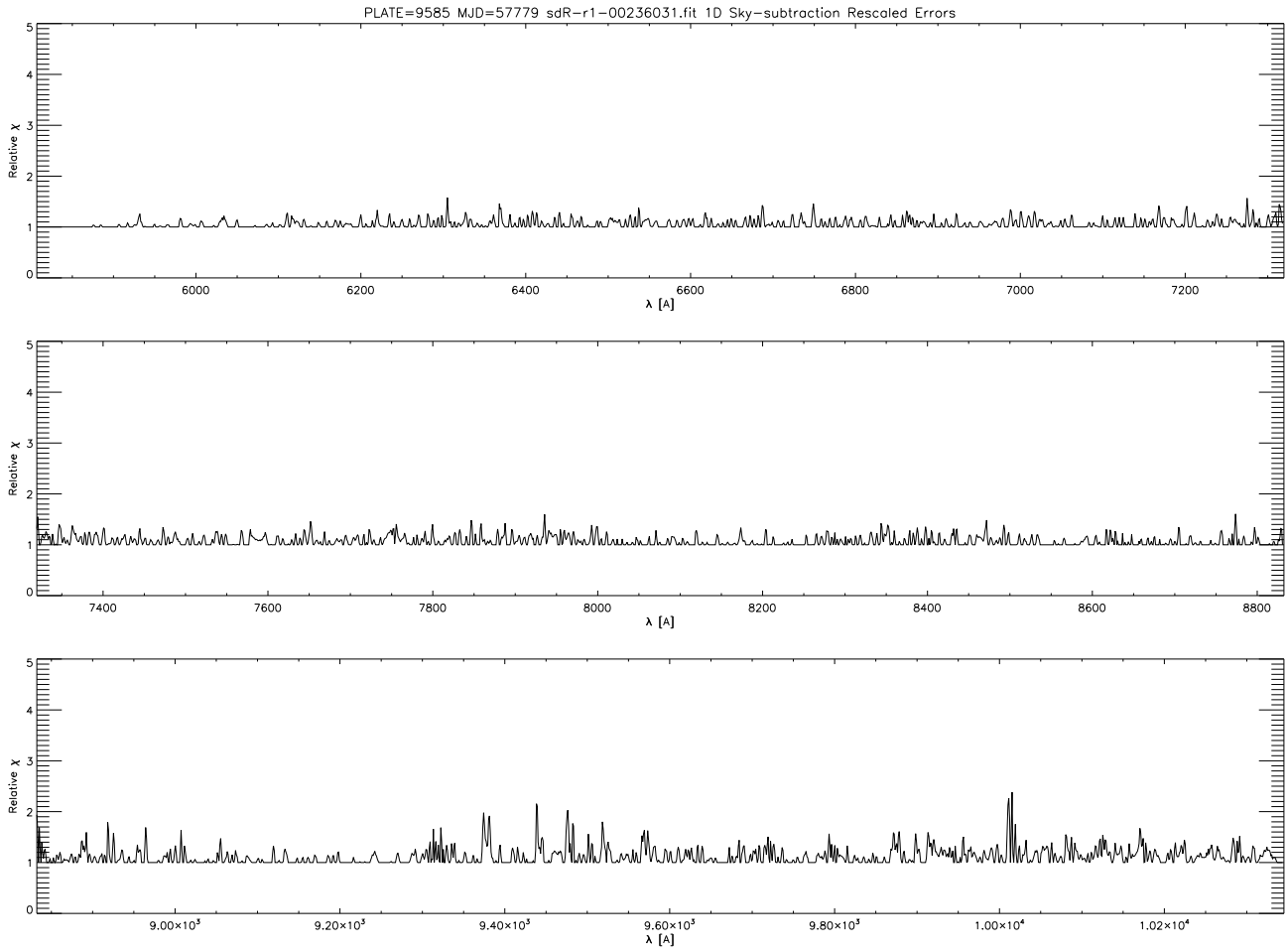

PLATE=9585 MJD=57779 Smooth superflat for sdR-r1-00236031.fit
2.0
1.5
1.0
0.5
0.0
1.04
1.02
1.00
0.98
0.96
5.0×10^3
6.0×10^3
7.0×10^3
8.0×10^3
9.0×10^3
1.0×10^4
1.1×10^4
Wavelength (Å)

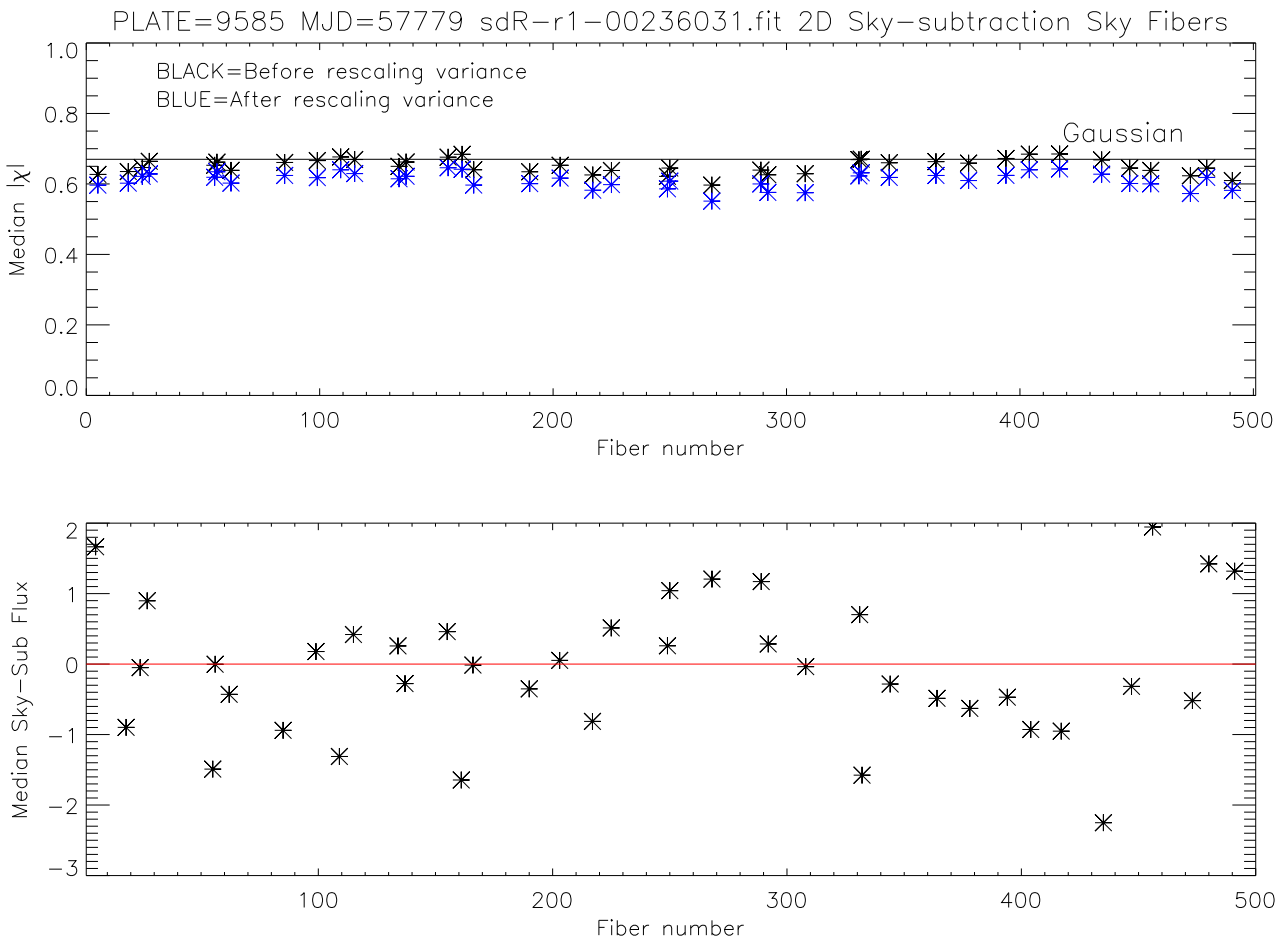

PLATE=9585 MJD=57779 sdR-r1-00236031.fit 1D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

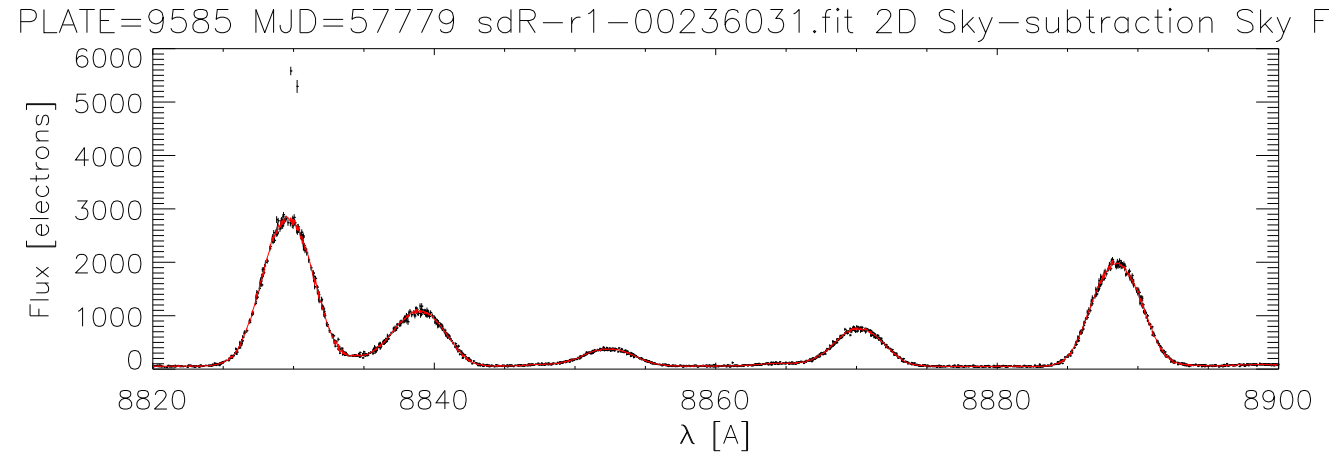

PLATE=9585 MJD=57779 sdR-r1-00236031.fit 1D Sky-subtraction Sky Fibers
Flux [electrons]
6000
5000
4000
3000
2000
1000
0
8820
8840
8860
8880
8900
λ [A]

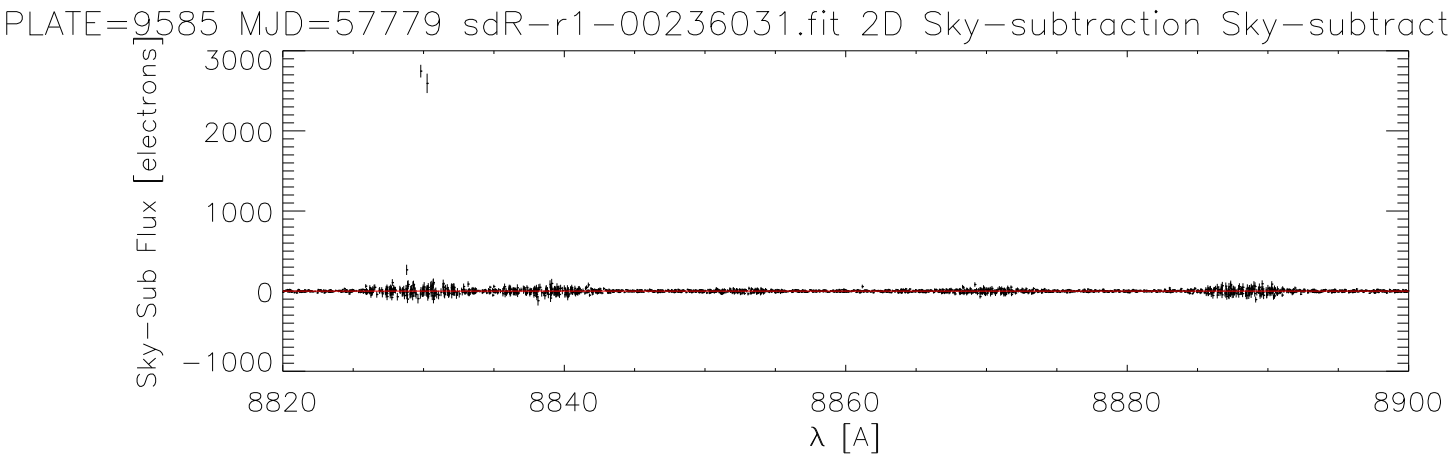

PLATE=9585 MJD=57779 sdR-r1-00236031.fit 1D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
3000
2000
1000
0
-1000
8820
8840
8860
8880
8900
λ [A]

Number of sky fibers = 40

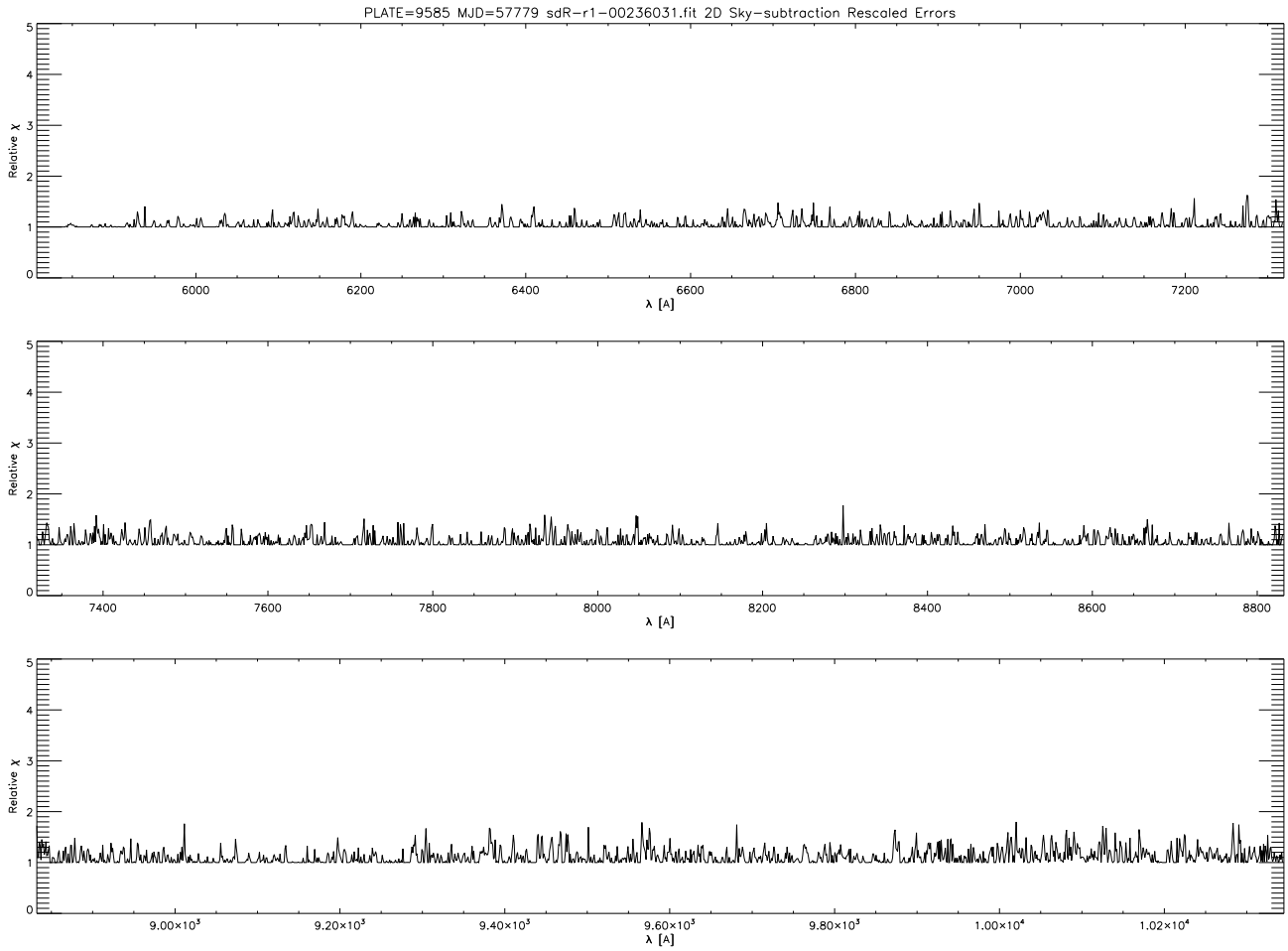


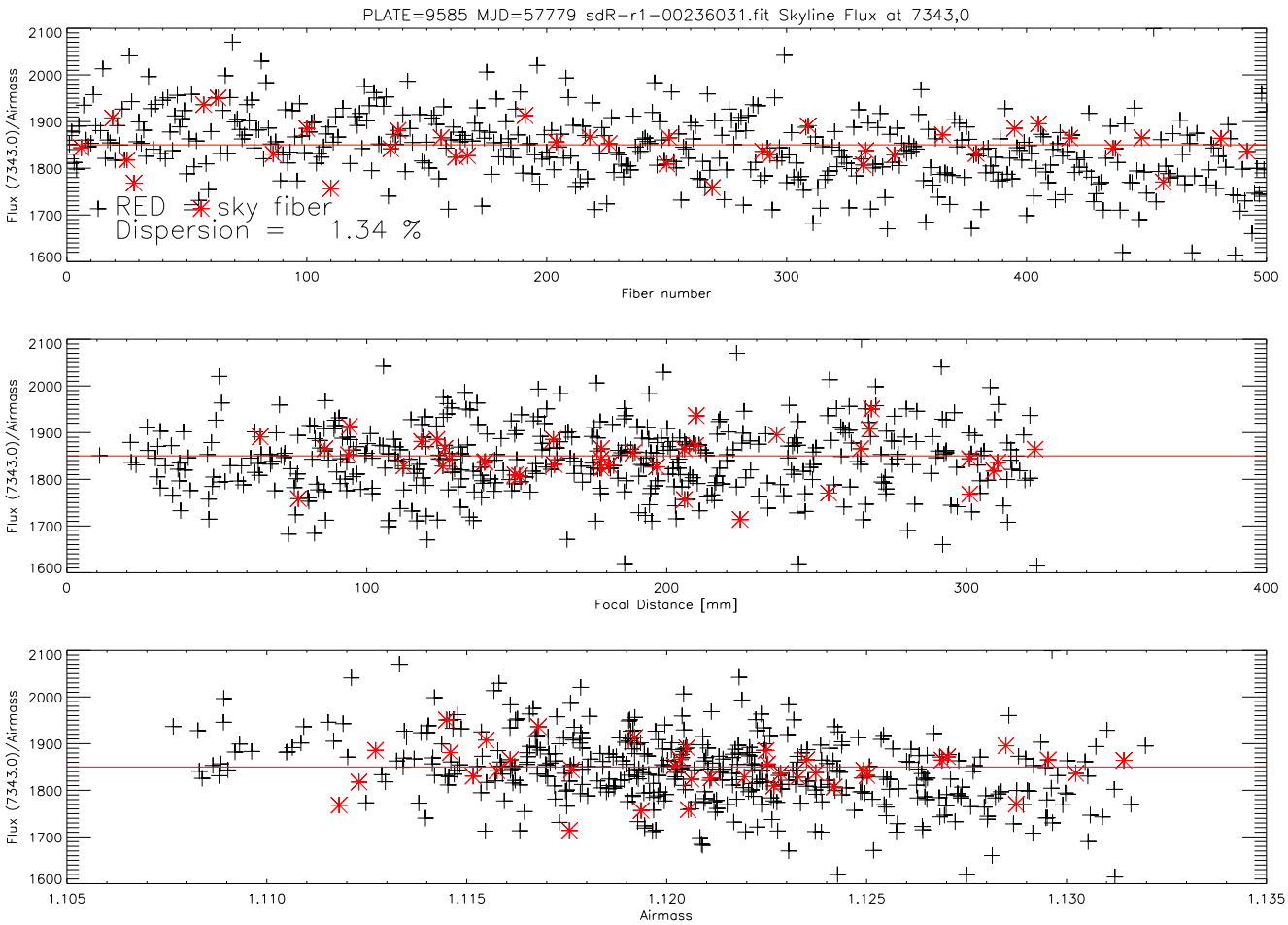

PLATE=9585 MJD=57779 sdR-r1-00236031.fit 2D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

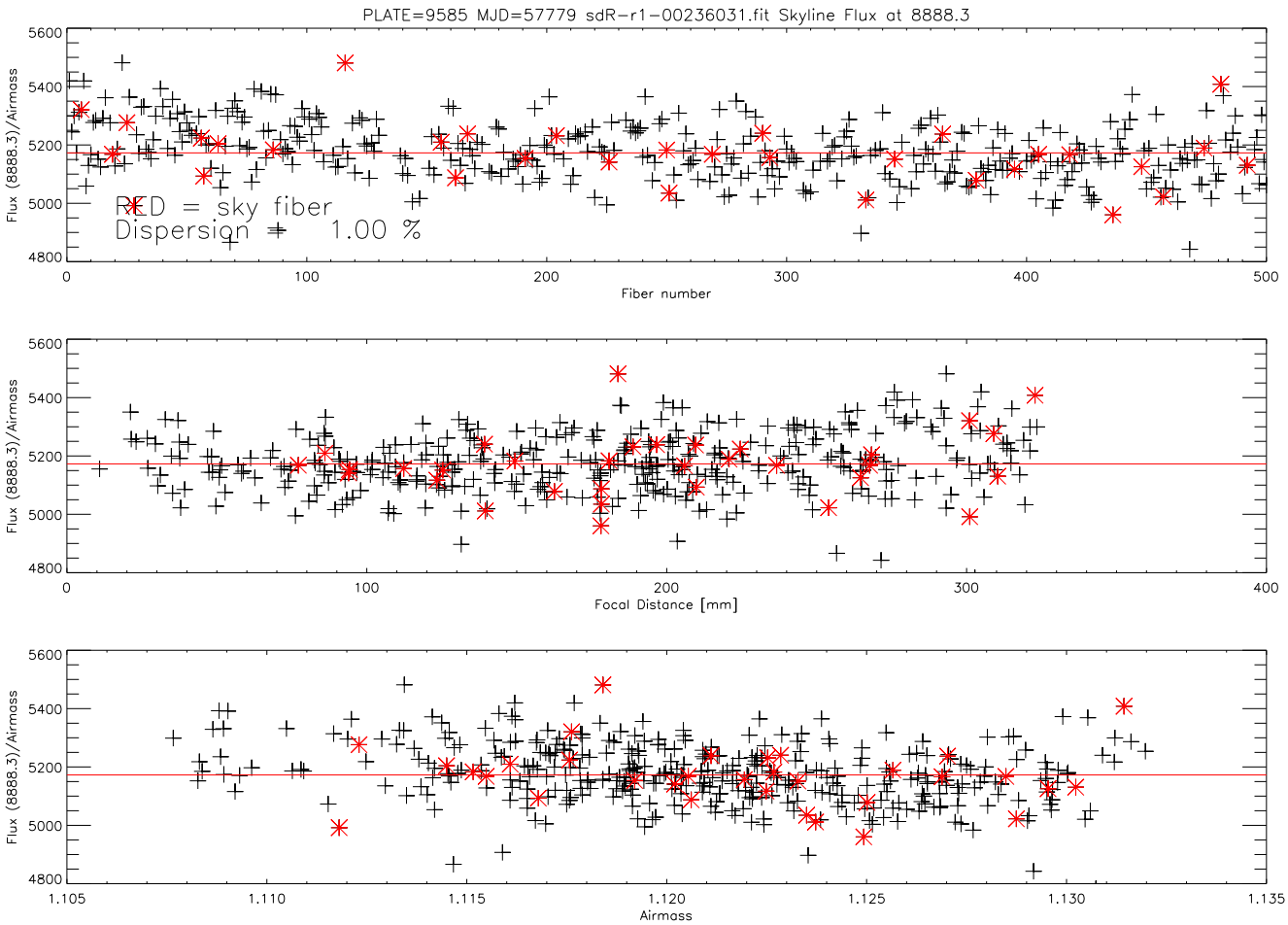

PLATE=9585 MJD=57779 sdR-r1-00236031.fit 2D Sky-subtraction Sky Fibers
Flux [electrons]
6000
5000
4000
3000
2000
1000
0
8820
8840
8860
8880
8900
λ [A]


PLATE=9585 MJD=57779 sdR-r1-00236031.fit 2D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
3000
2000
1000
0
-1000
8820
8840
8860
8880
8900
λ [A]

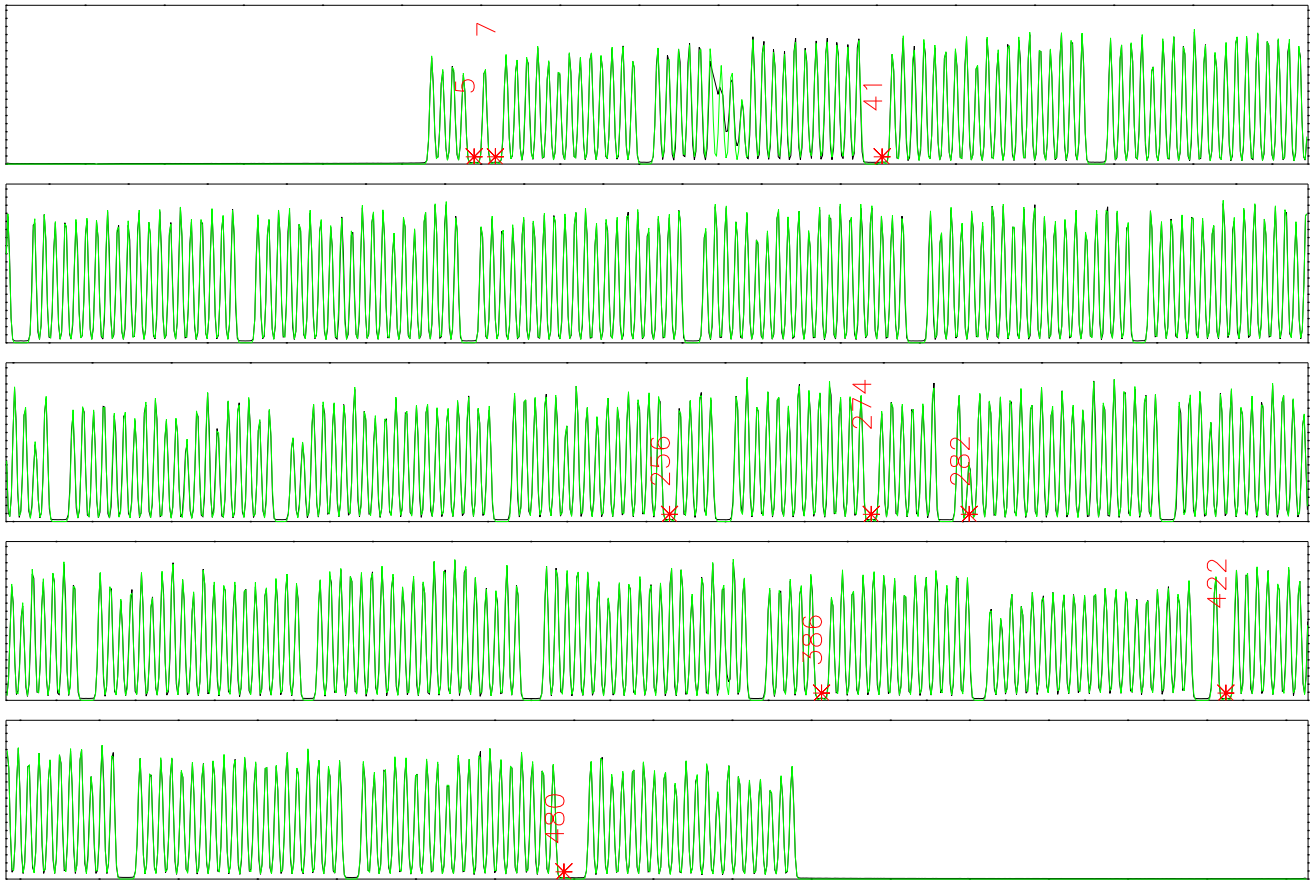
Number of sky fibers = 40

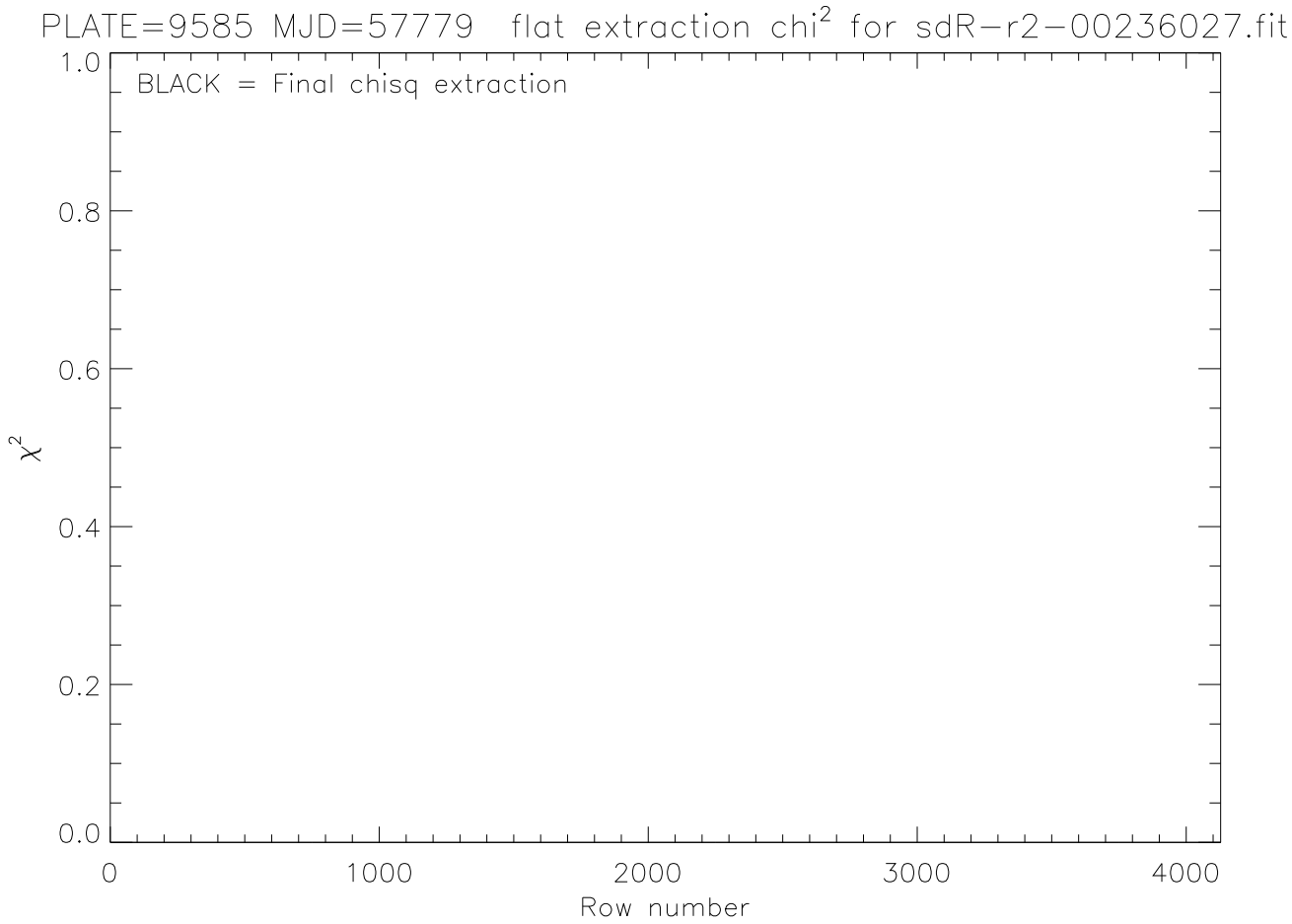


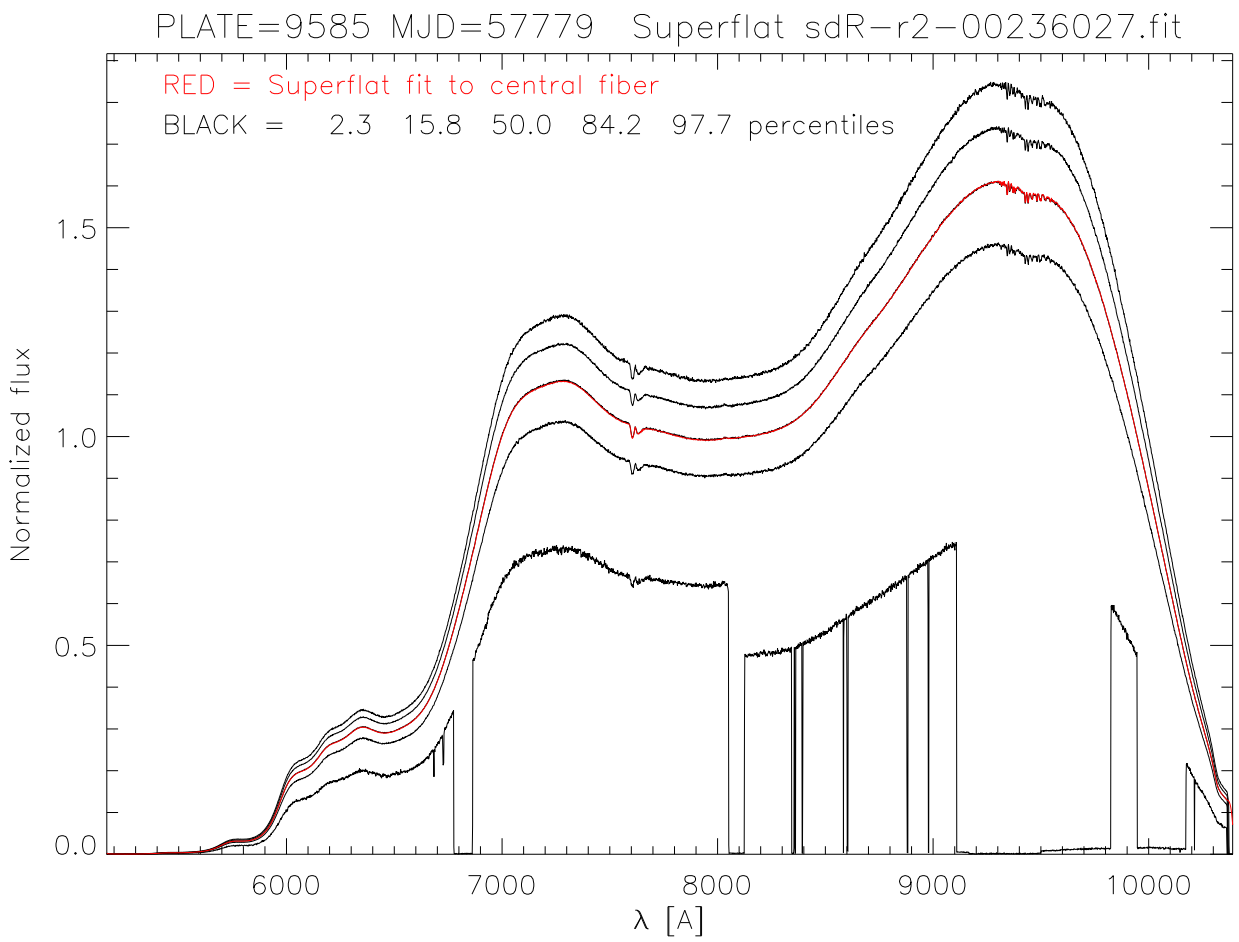

PLATE=9585 MJD=57779 sdR-r1-00236031.fit Skyline Flux at 7343,0
Flux (7343.0)/Airmass
RED = sky fiber
Dispersion = 1.34 %
Fiber number
Focal Distance [mm]
Airmass

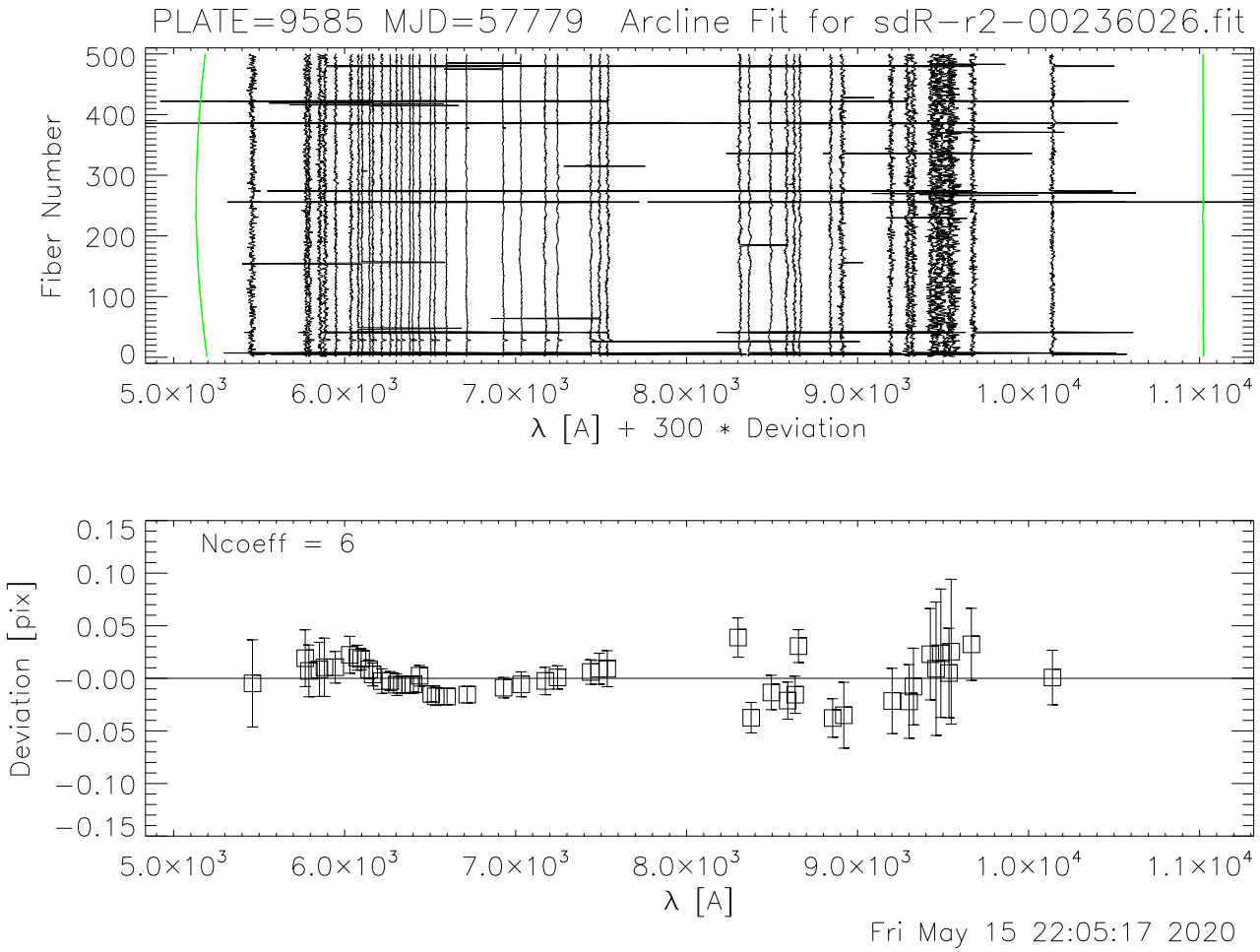

PLATE=9585 MJD=57779 sdR-r1-00236031.fit Skyline Flux at 8888.3
RED = sky fiber
Dispersion = 1.00 %
Flux (8888.3)/Airmass
Fiber number
Focal Distance [mm]
Airmass

PLATE=9585 MJD=57779 Traces sdR-r2-00236027.fit

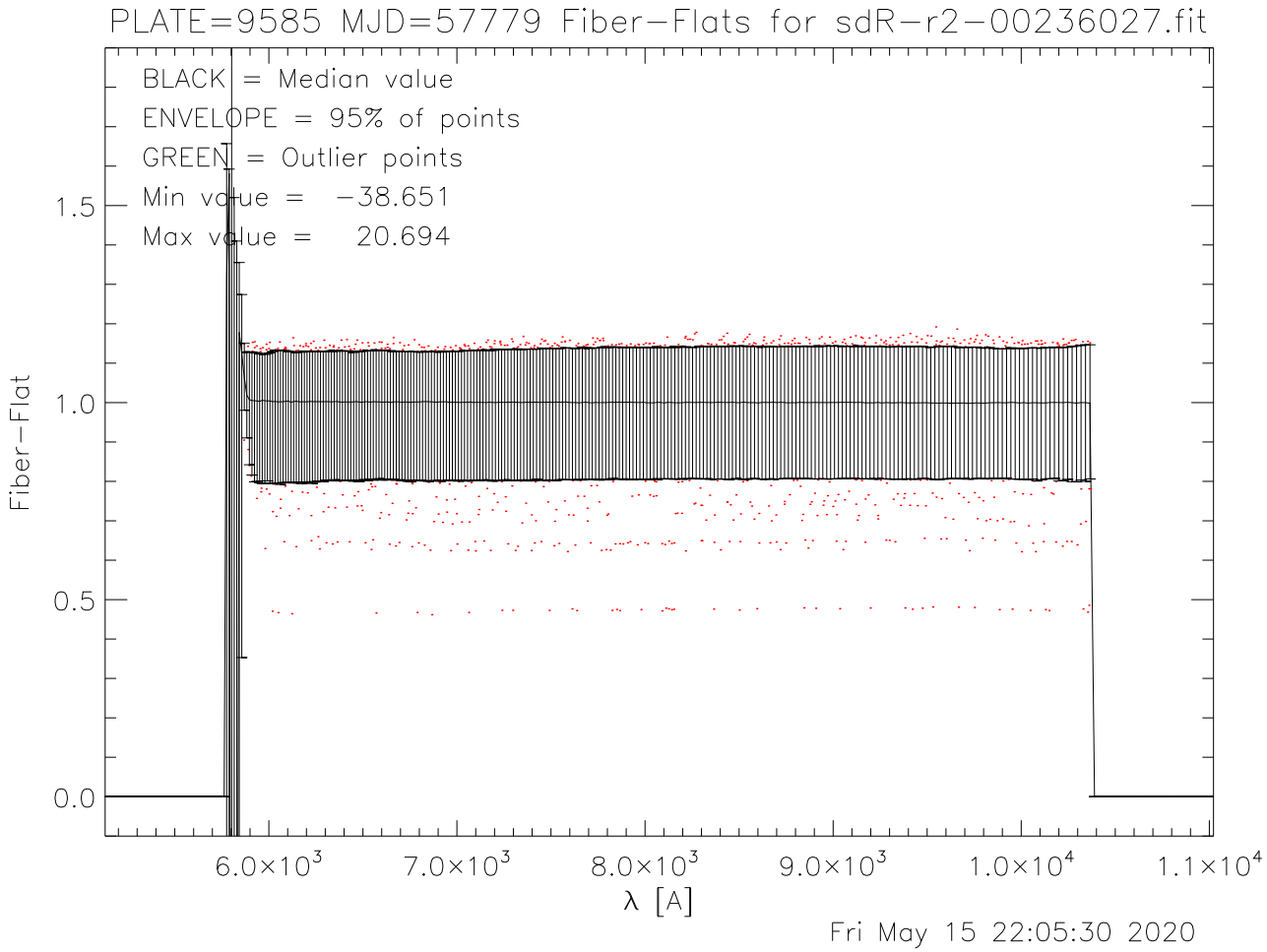


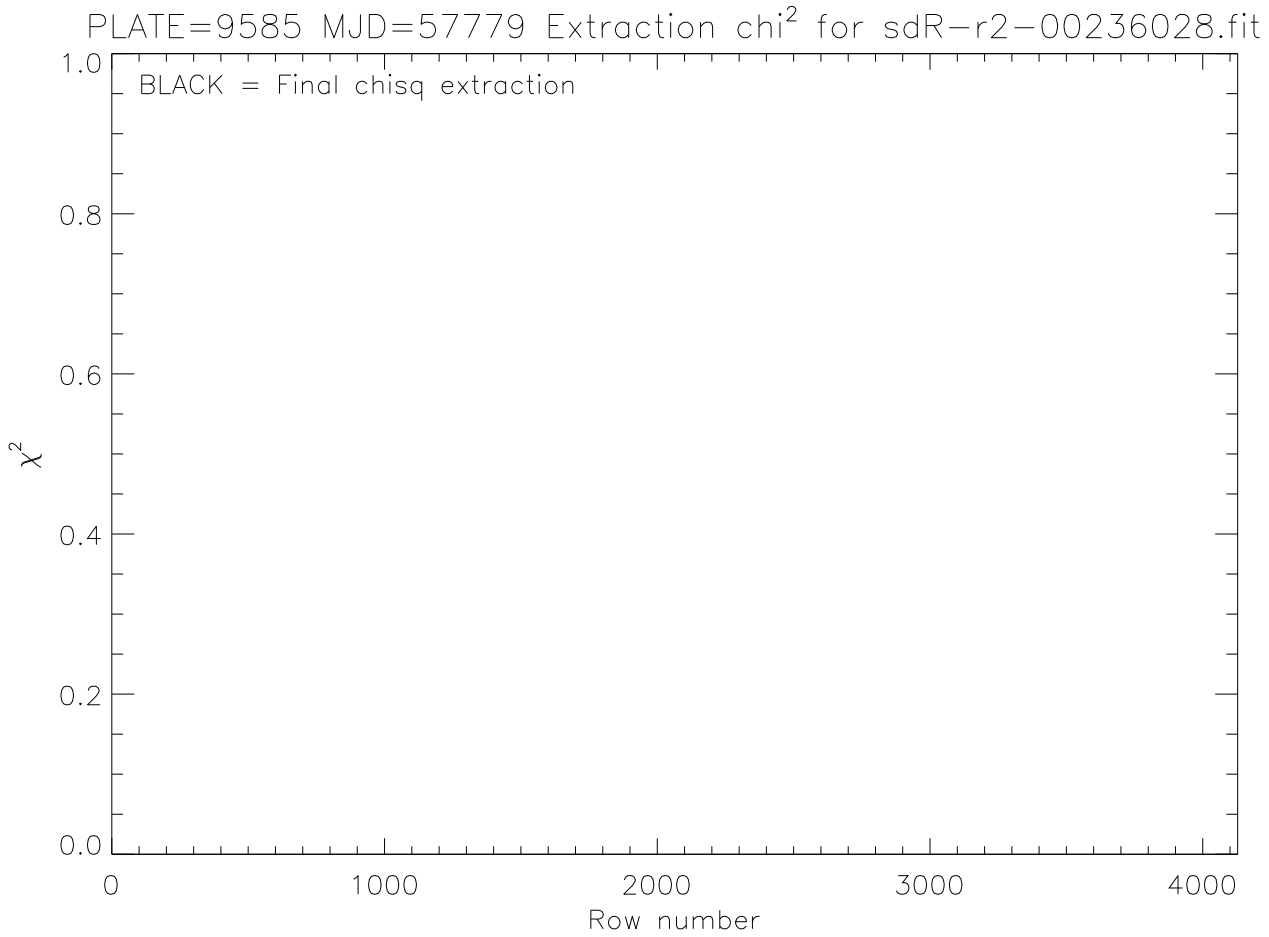

PLATE=9585 MJD=57779 flat extraction chi^2 for sdR−r2−00236027.fit
BLACK = Final chisq extraction
χ^2
1.0
0.8
0.6
0.4
0.2
0.0
0
1000
2000
3000
4000
Row number

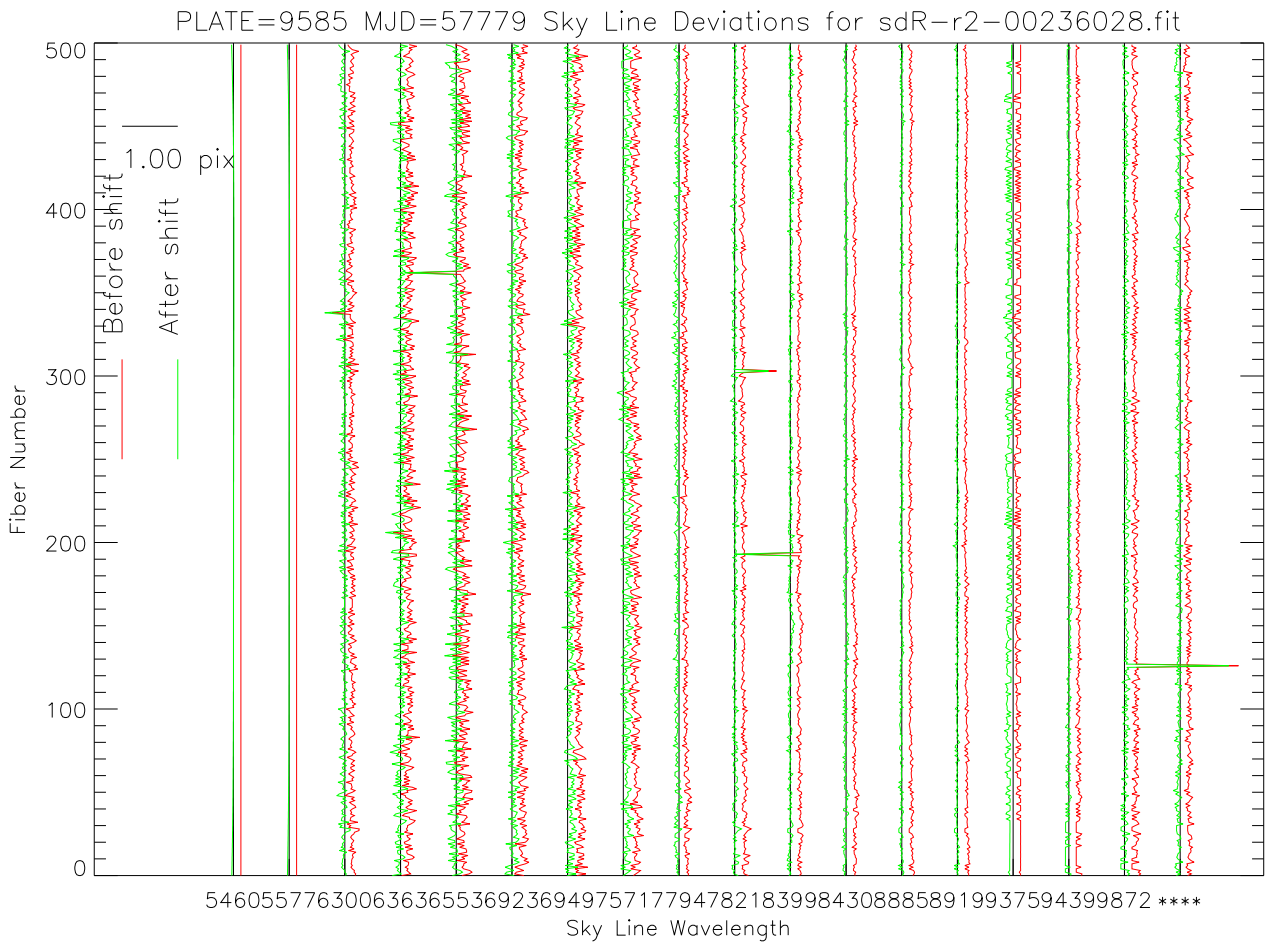

PLATE=9585 MJD=57779 Superflat sdR-r2-00236027.fit
RED = Superflat fit to central fiber
BLACK = 2.3 15.8 50.0 84.2 97.7 percentiles
Normalized flux
0.0
0.5
1.0
1.5
6000
7000
8000
9000
10000
λ [A]

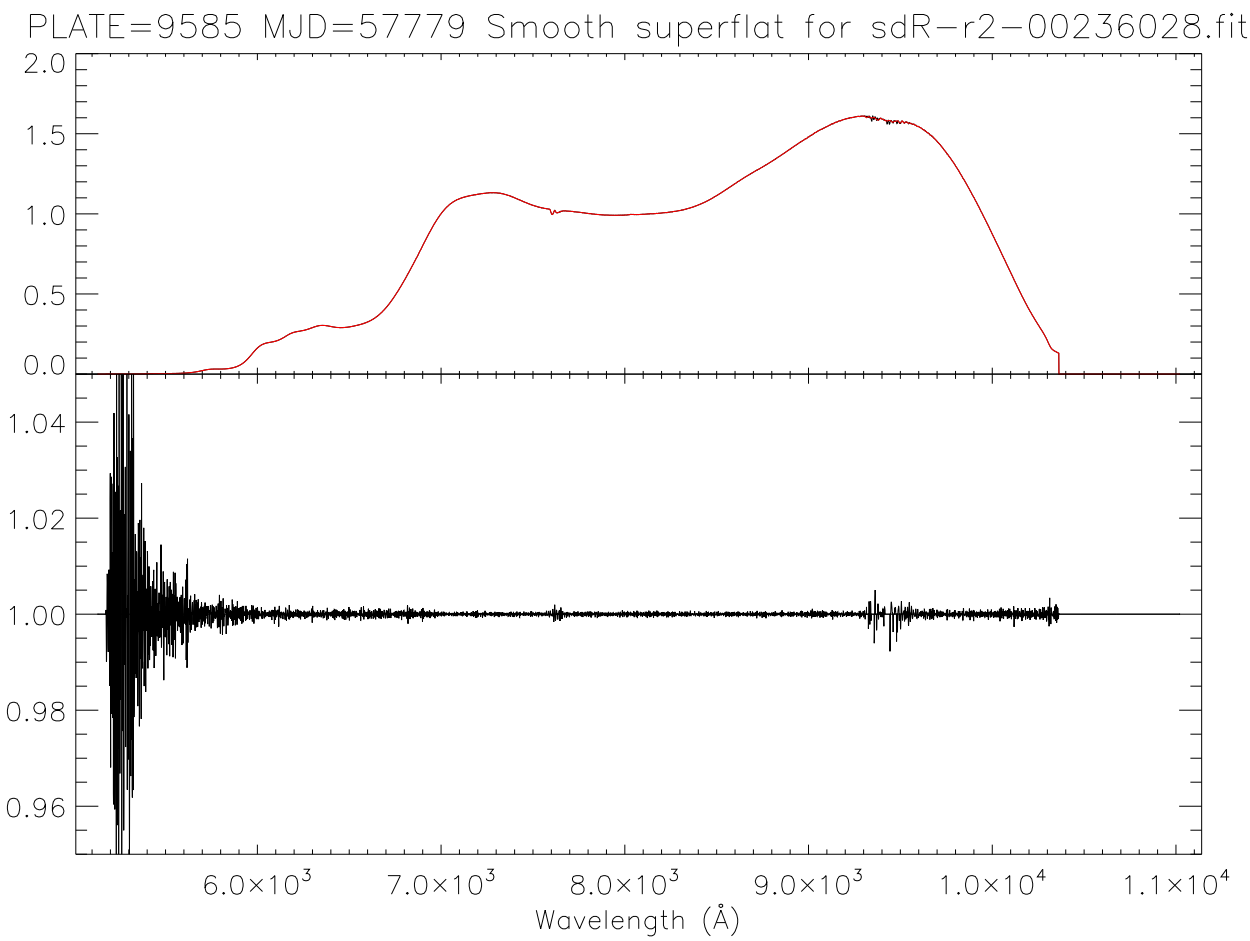

PLATE=9585 MJD=57779 Arcline Fit for sdR-r2-00236026.fit
Fiber Number
500
400
300
200
100
0
5.0×10^3
6.0×10^3
7.0×10^3
8.0×10^3
9.0×10^3
1.0×10^4
1.1×10^4
λ [A] + 300 * Deviation

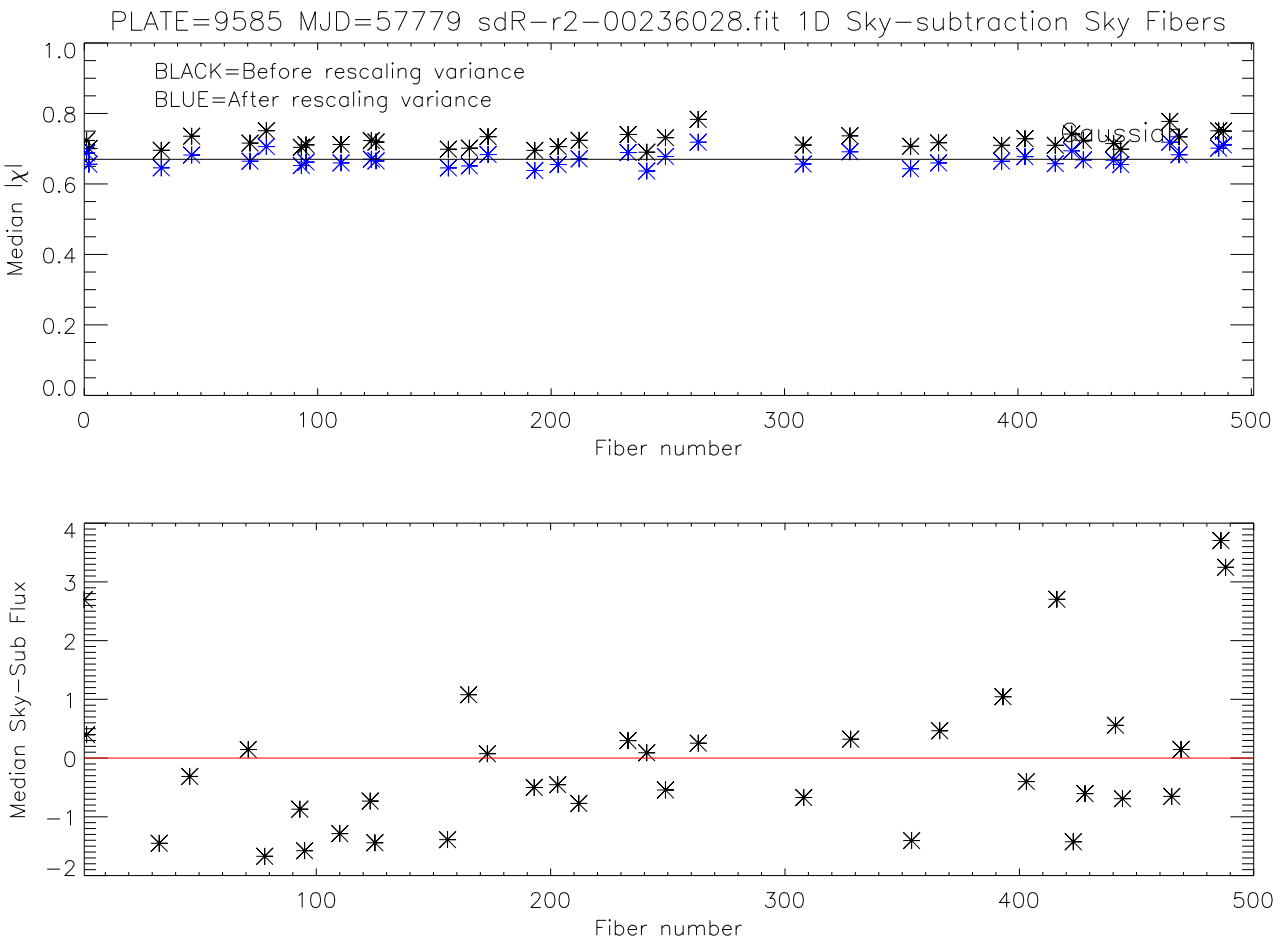
Ncoeff = 6
Deviation [pix]
0.15
0.10
0.05
−0.00
−0.05
−0.10
−0.15
5.0×10^3
6.0×10^3
7.0×10^3
8.0×10^3
9.0×10^3
1.0×10^4
1.1×10^4
λ [A]
Fri May 15 22:05:17 2020


PLATE=9585 MJD=57779 Fiber−Flats for sdR−r2−00236027.fit
BLACK = Median value
ENVELOPE = 95% of points
GREEN = Outlier points
Min value = −38.651
Max value = 20.694
Fiber−Flat
1.5
1.0
0.5
0.0
6.0×10^3
7.0×10^3
8.0×10^3
9.0×10^3
1.0×10^4
1.1×10^4
λ [A]
Fri May 15 22:05:30 2020

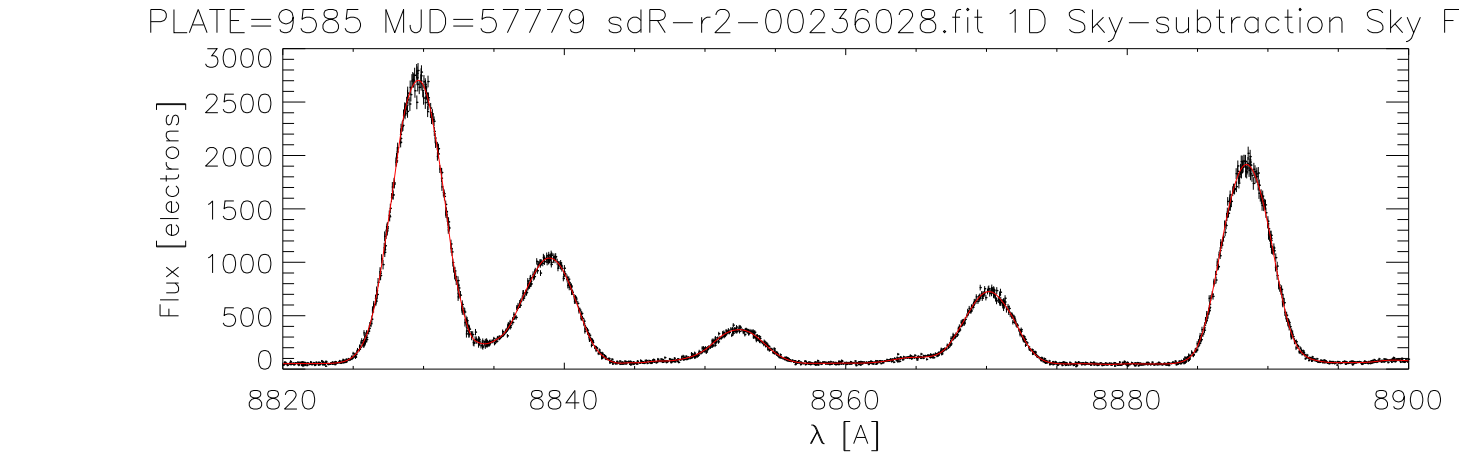

PLATE=9585 MJD=57779 Extraction chi^2 for sdR−r2−00236028.fit
BLACK = Final chisq extraction
χ^2
1.0
0.8
0.6
0.4
0.2
0.0
0
1000
2000
3000
4000
Row number

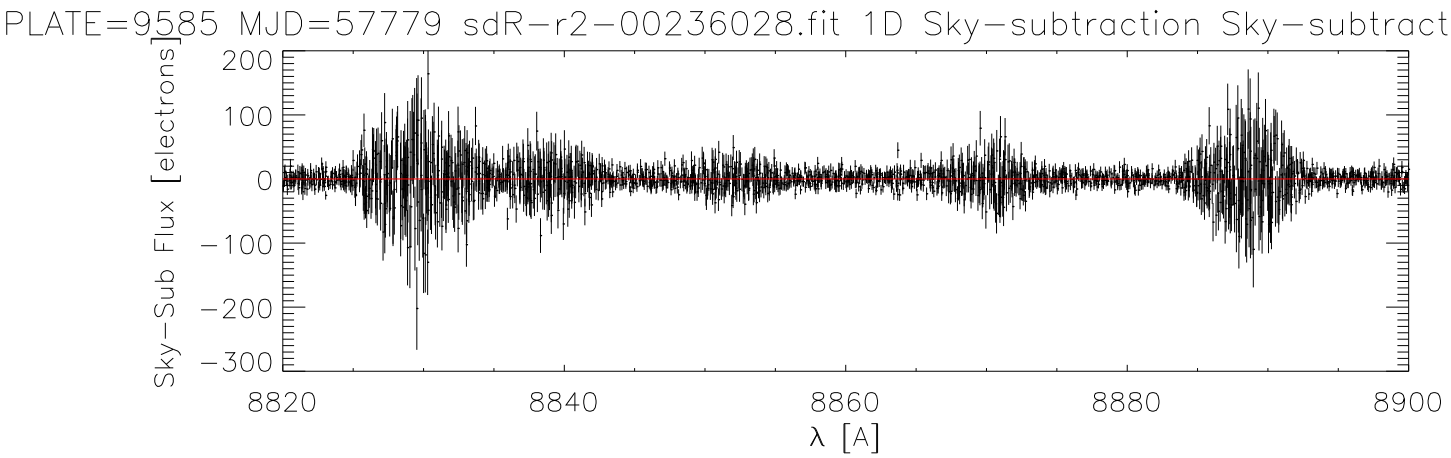

PLATE=9585 MJD=57779 Sky Line Deviations for sdR-r2-00236028.fit
1.00 pix
Before shift
After shift
Fiber Number
0
100
200
300
400
500
5460557763006363655369236949757177947821839984308885891993759439987 2 ****
Sky Line Wavelength


PLATE=9585 MJD=57779 Smooth superflat for sdR-r2-00236028.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)

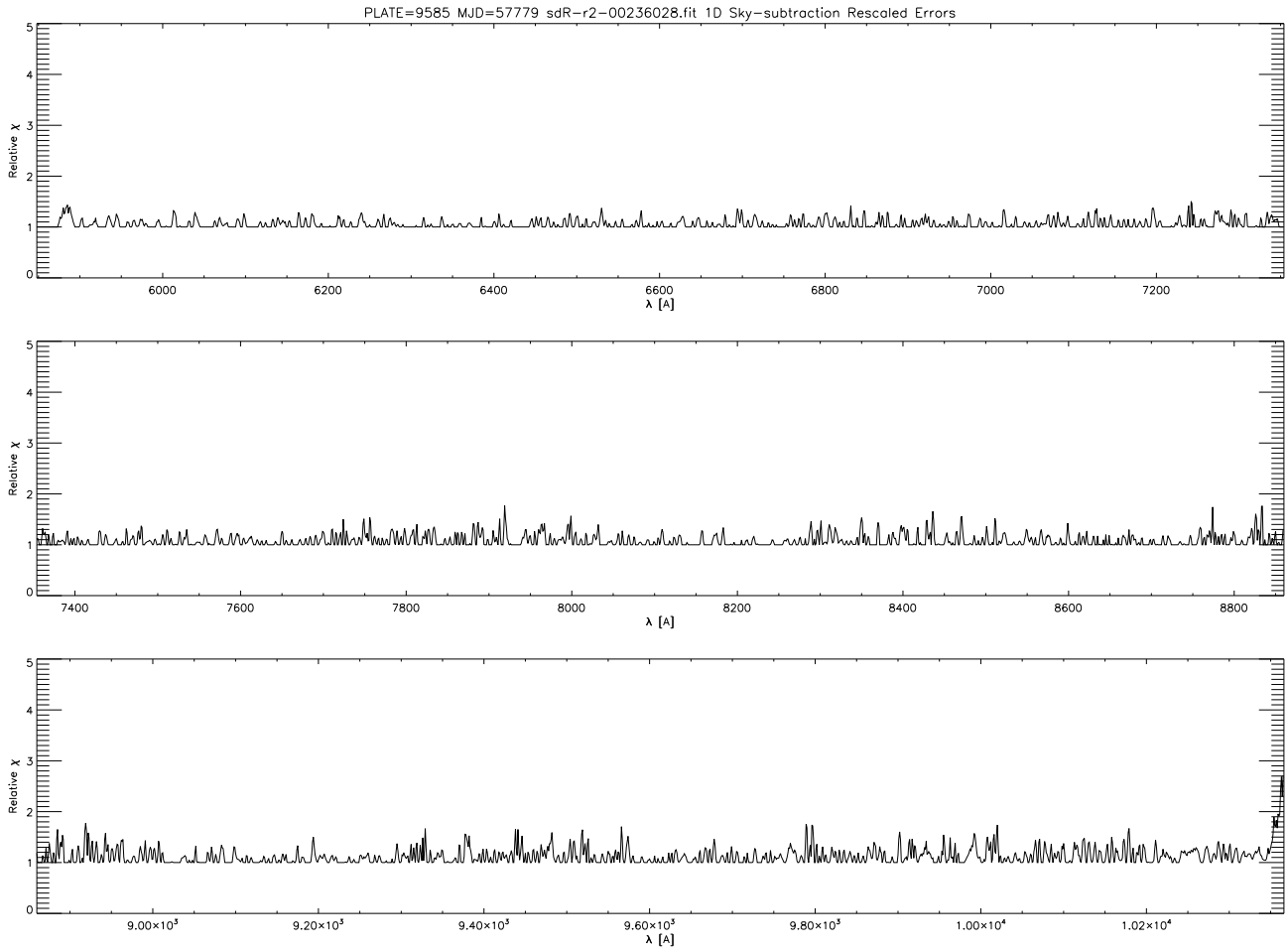

PLATE=9585 MJD=57779 sdR-r2-00236028.fit 1D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Median |χ|
Fiber number

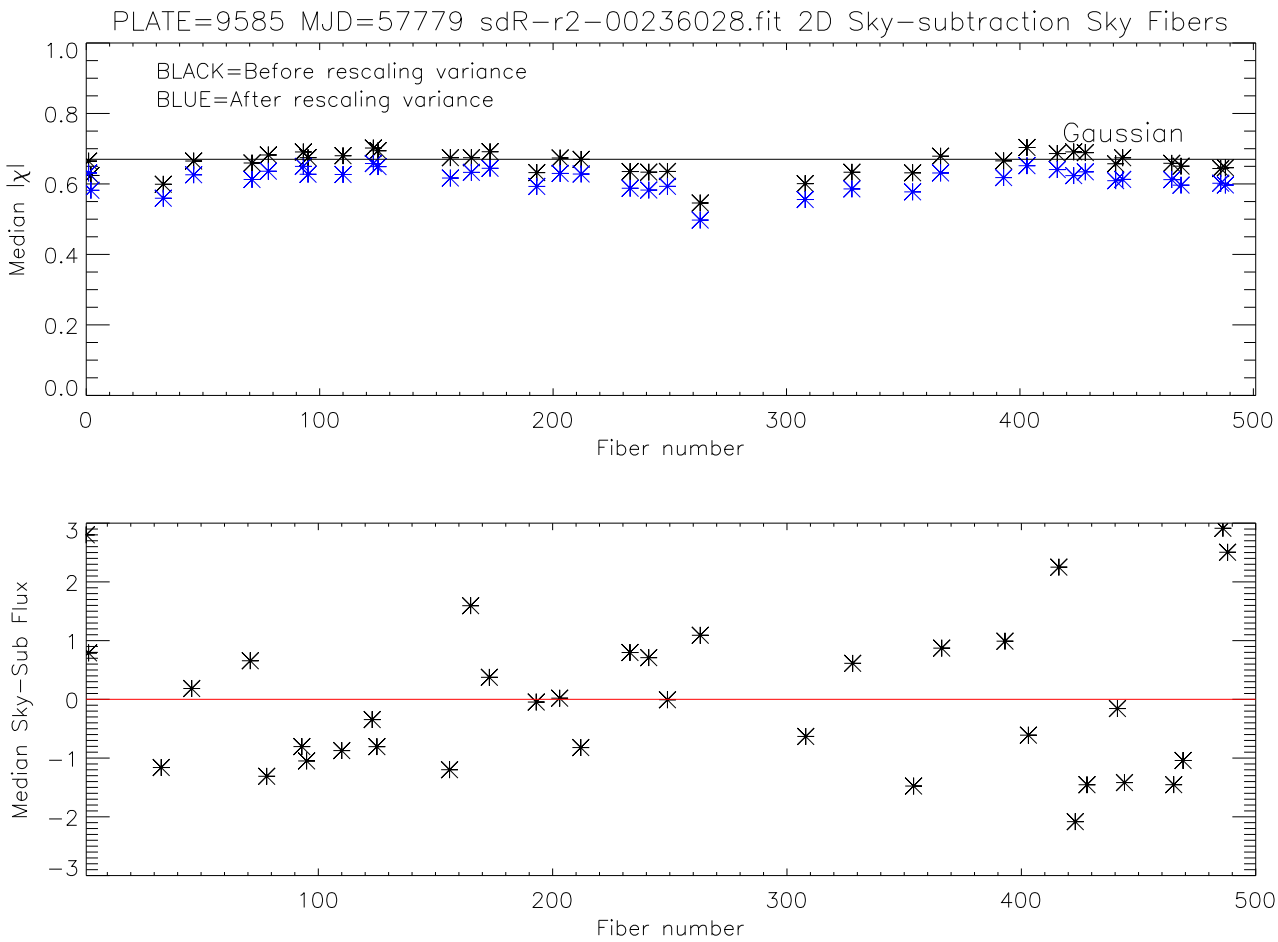
Median Sky-Sub Flux
Fiber number


PLATE=9585 MJD=57779 sdR-r2-00236028.fit 1D Sky-subtraction Sky Fibers
Flux [electrons]
3000
2500
2000
1500
1000
500
0
8820
8840
8860
8880
8900
λ [A]

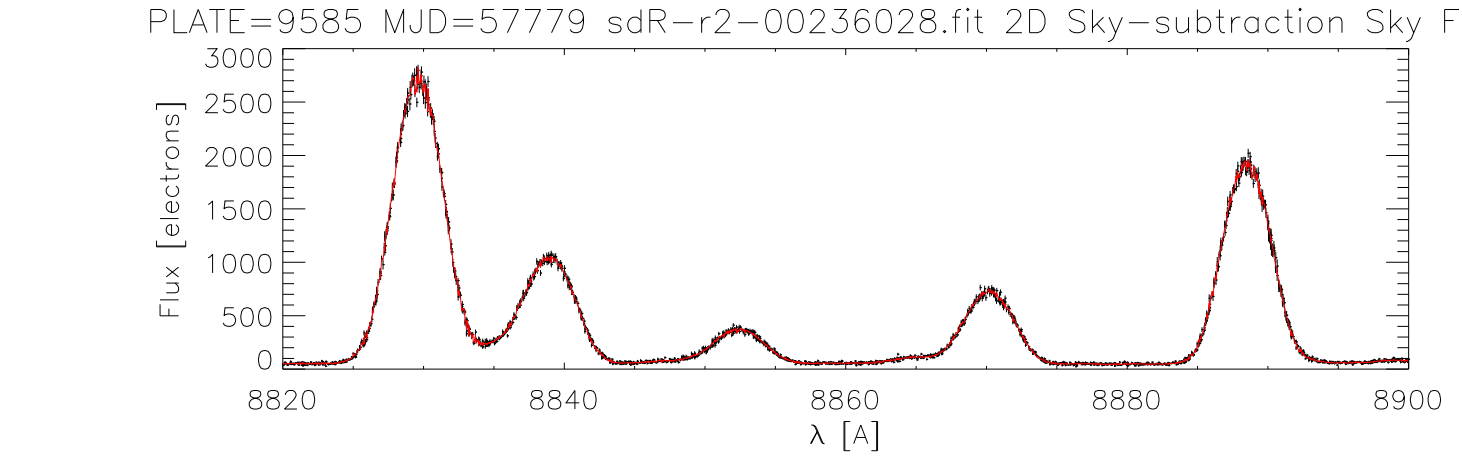

PLATE=9585 MJD=57779 sdR-r2-00236028.fit 1D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
200
100
0
-100
-200
-300
8820
8840
8860
8880
8900
λ [A]

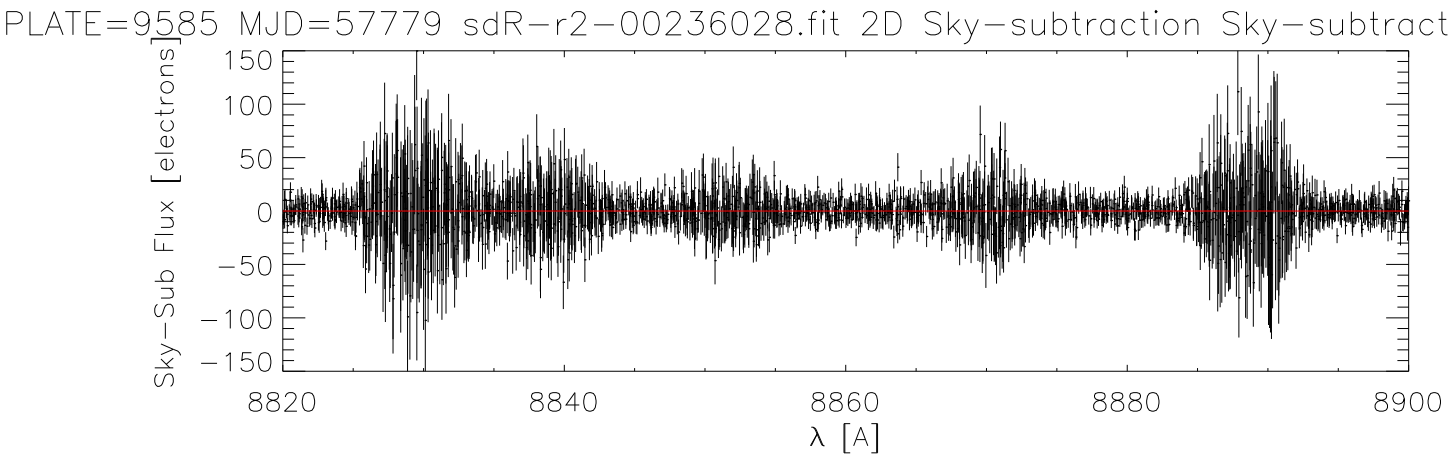
Number of sky fibers = 36



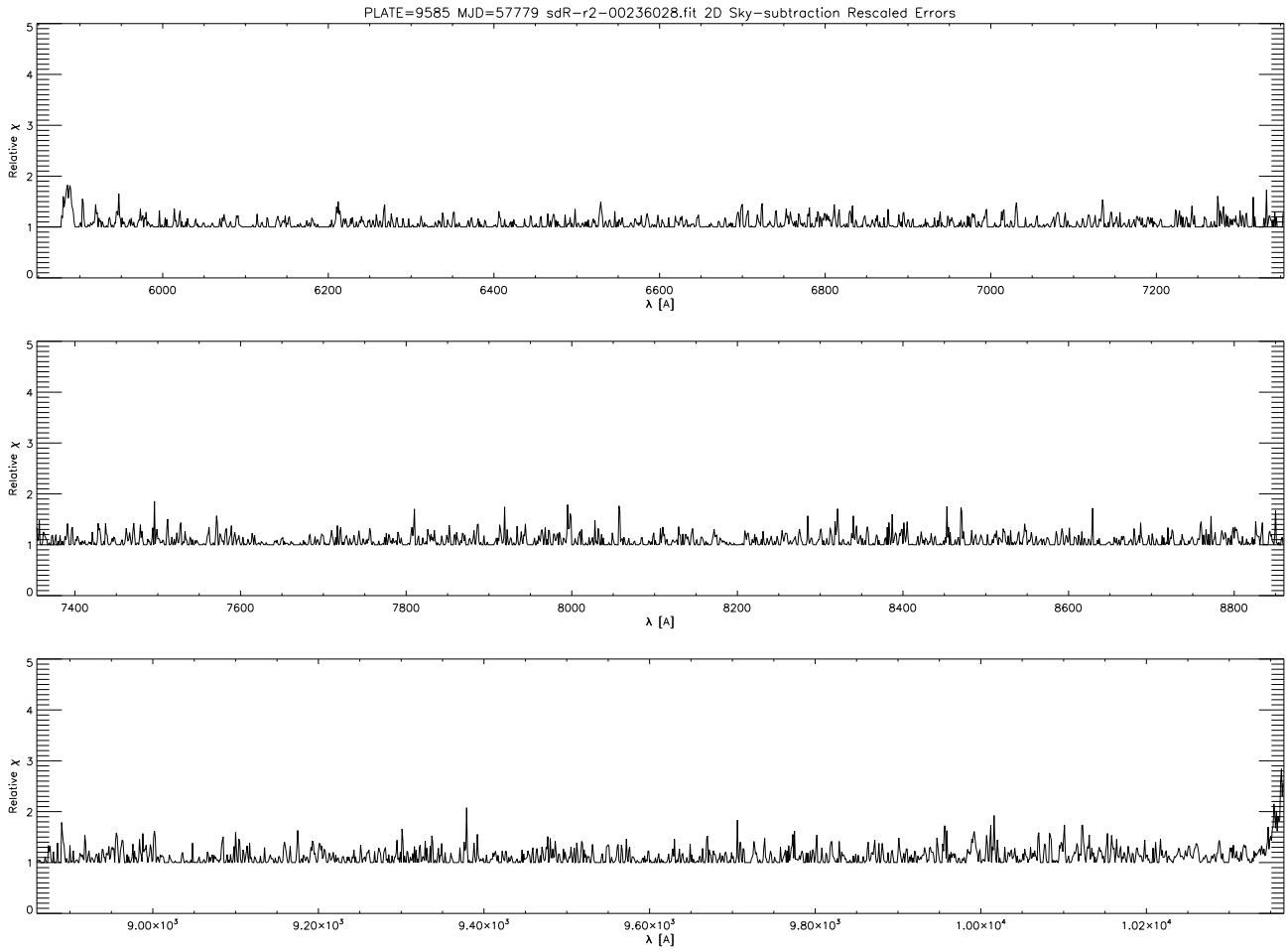

PLATE=9585 MJD=57779 sdR-r2-00236028.fit 2D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number

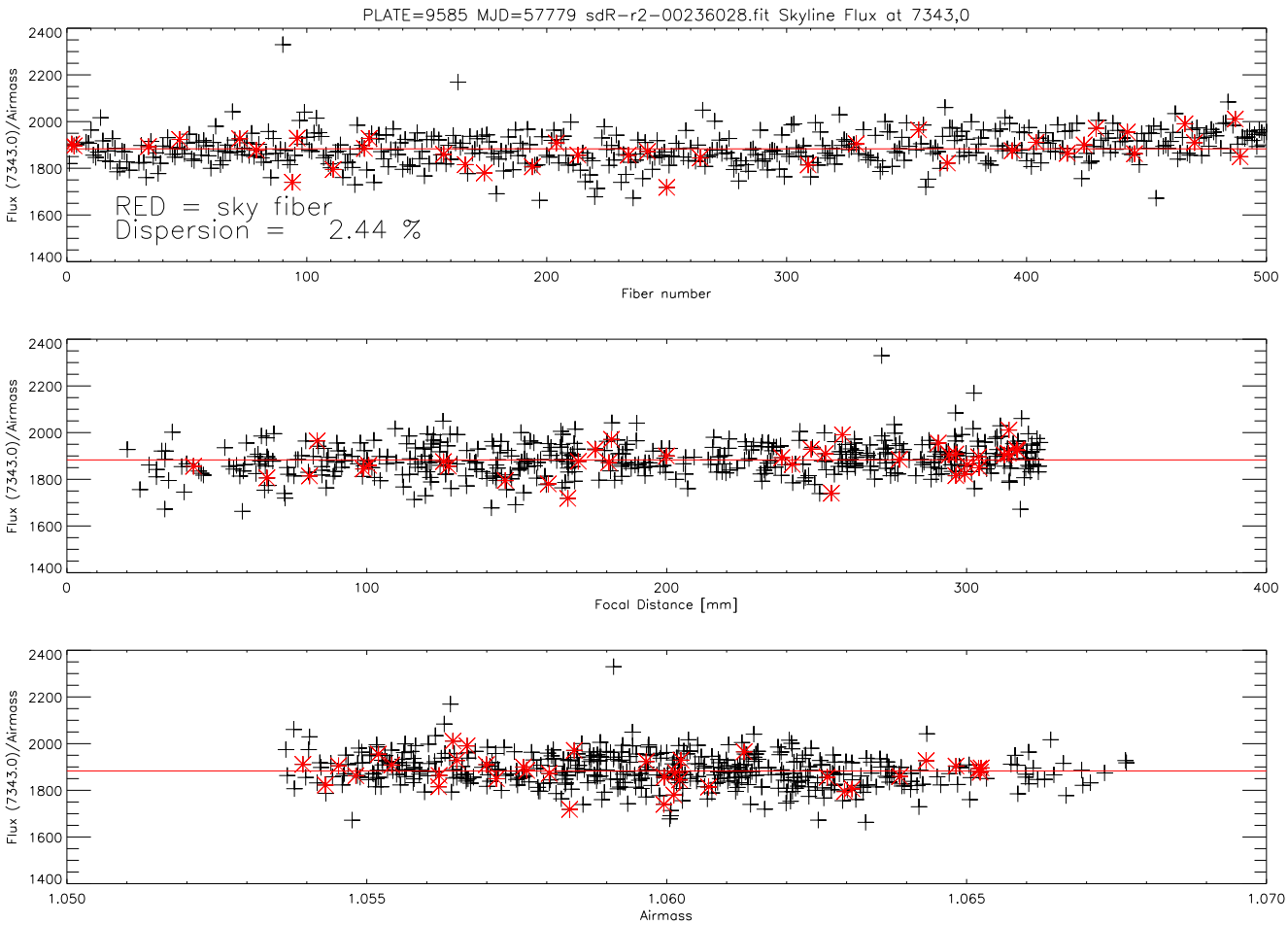
Median Sky-Sub Flux
Fiber number

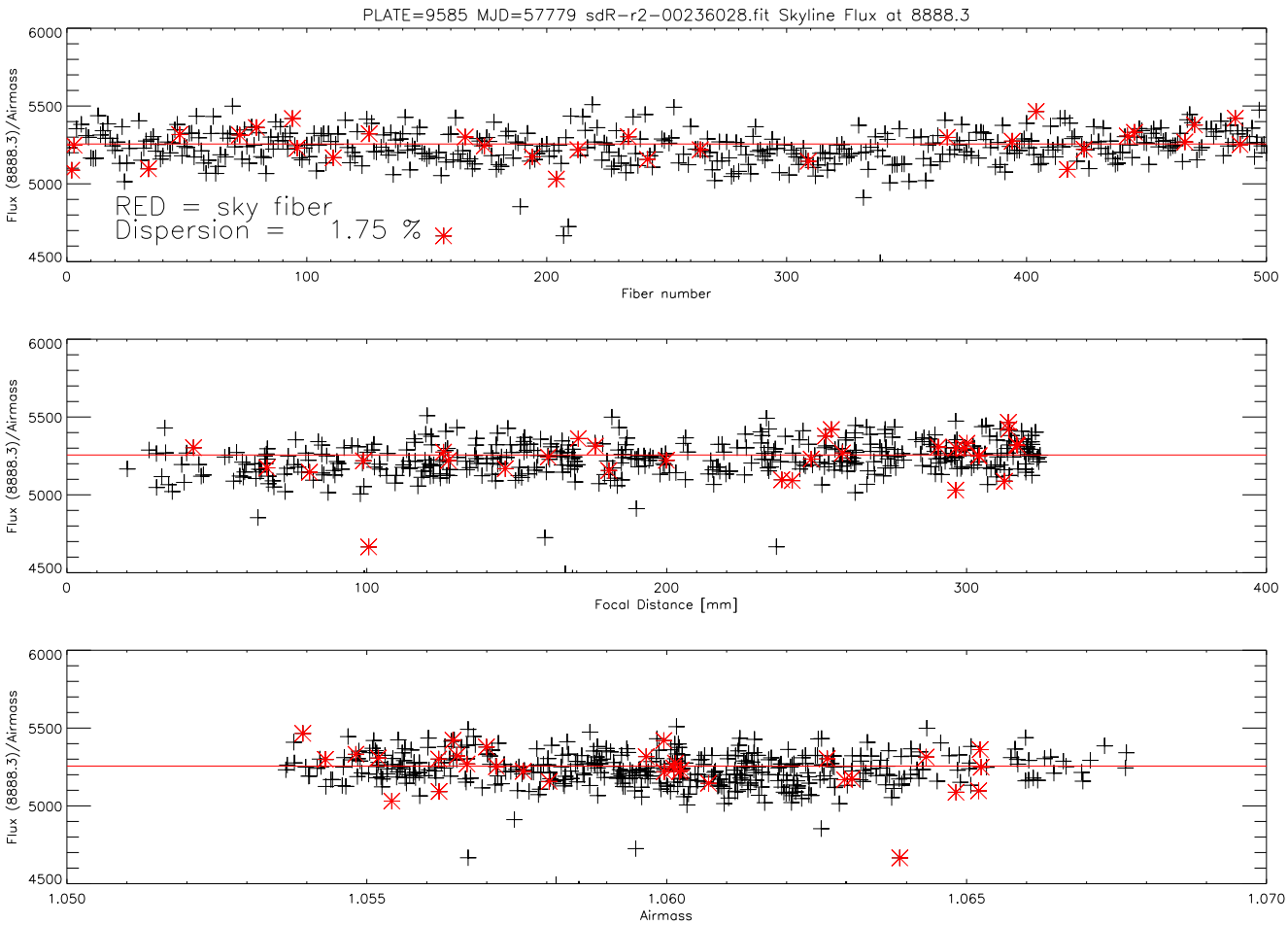

PLATE=9585 MJD=57779 sdR-r2-00236028.fit 2D Sky-subtraction Sky Fibers
Flux [electrons]
3000
2500
2000
1500
1000
500
0
8820
8840
8860
8880
8900
λ [A]

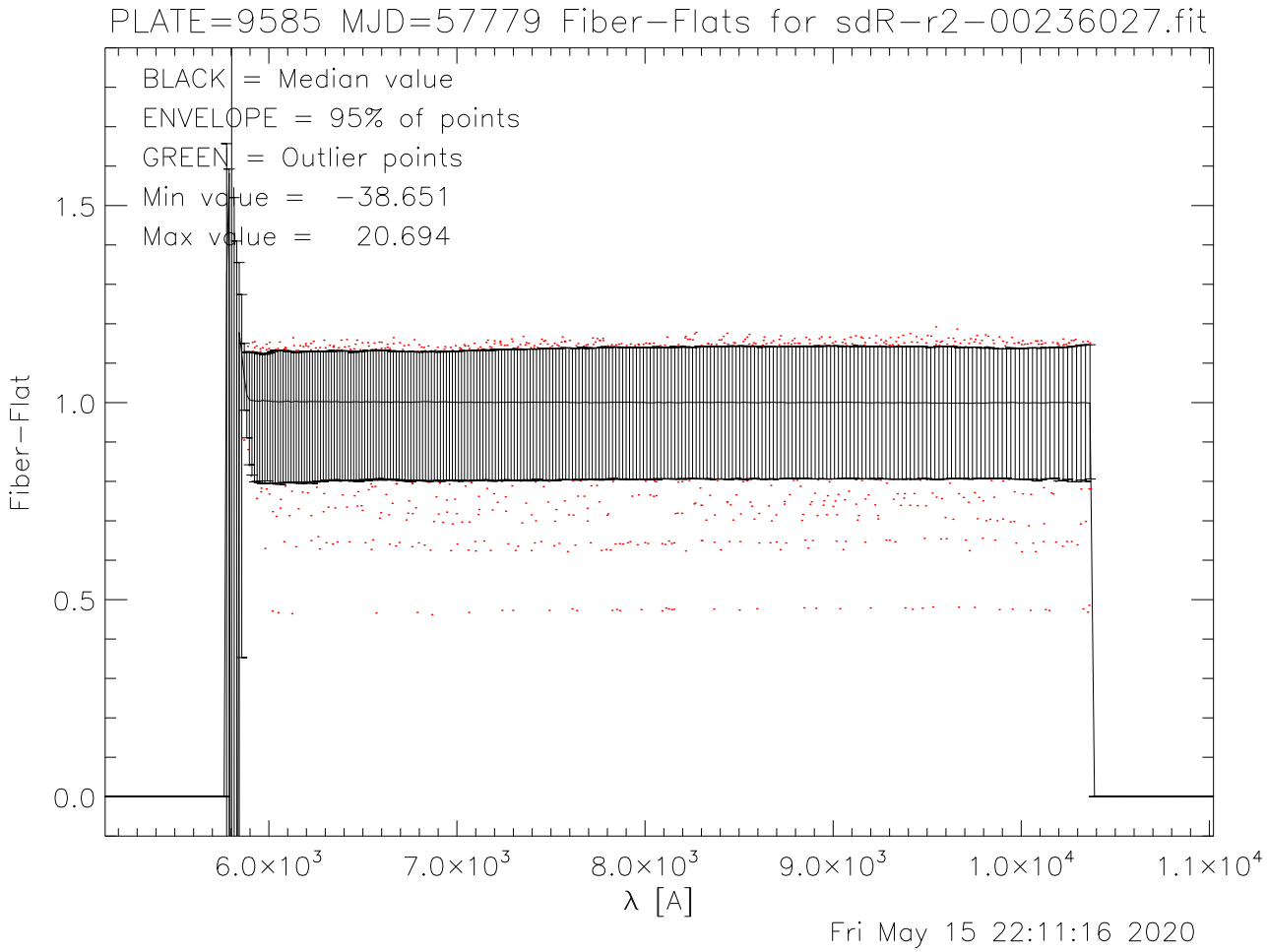

PLATE=9585 MJD=57779 sdR-r2-00236028.fit 2D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
150
100
50
0
-50
-100
-150
8820
8840
8860
8880
8900
λ [A]

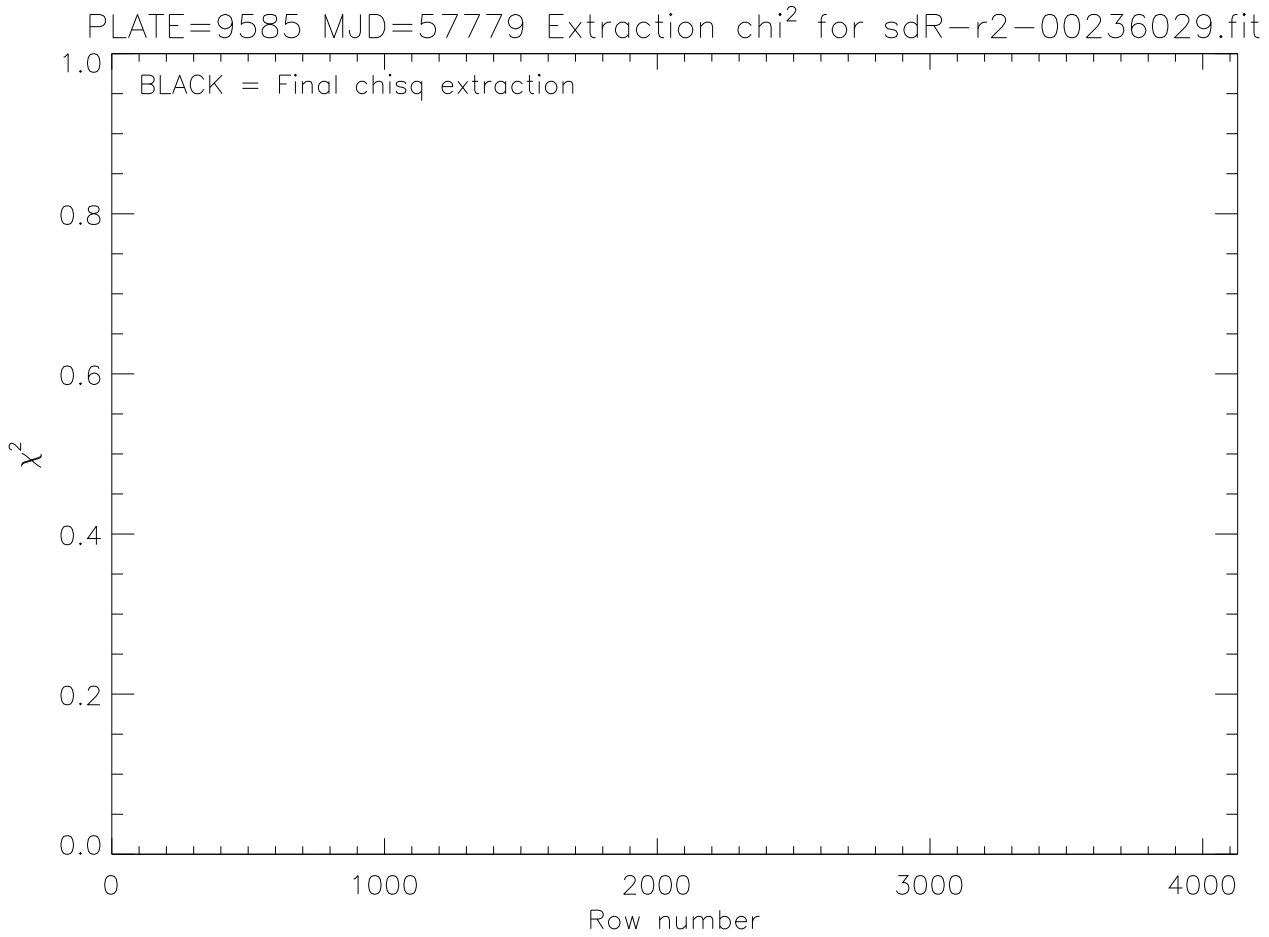
Number of sky fibers = 36

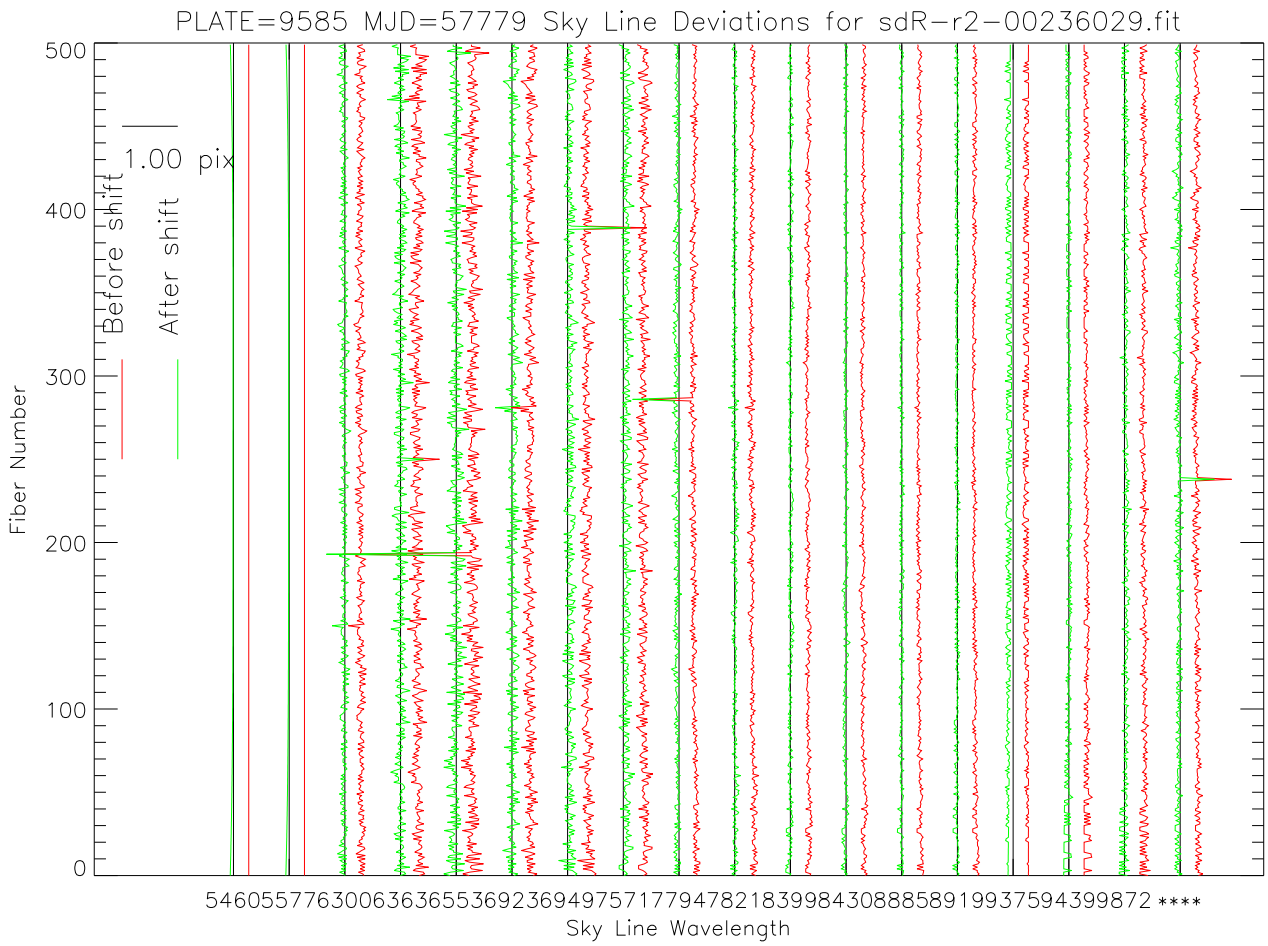


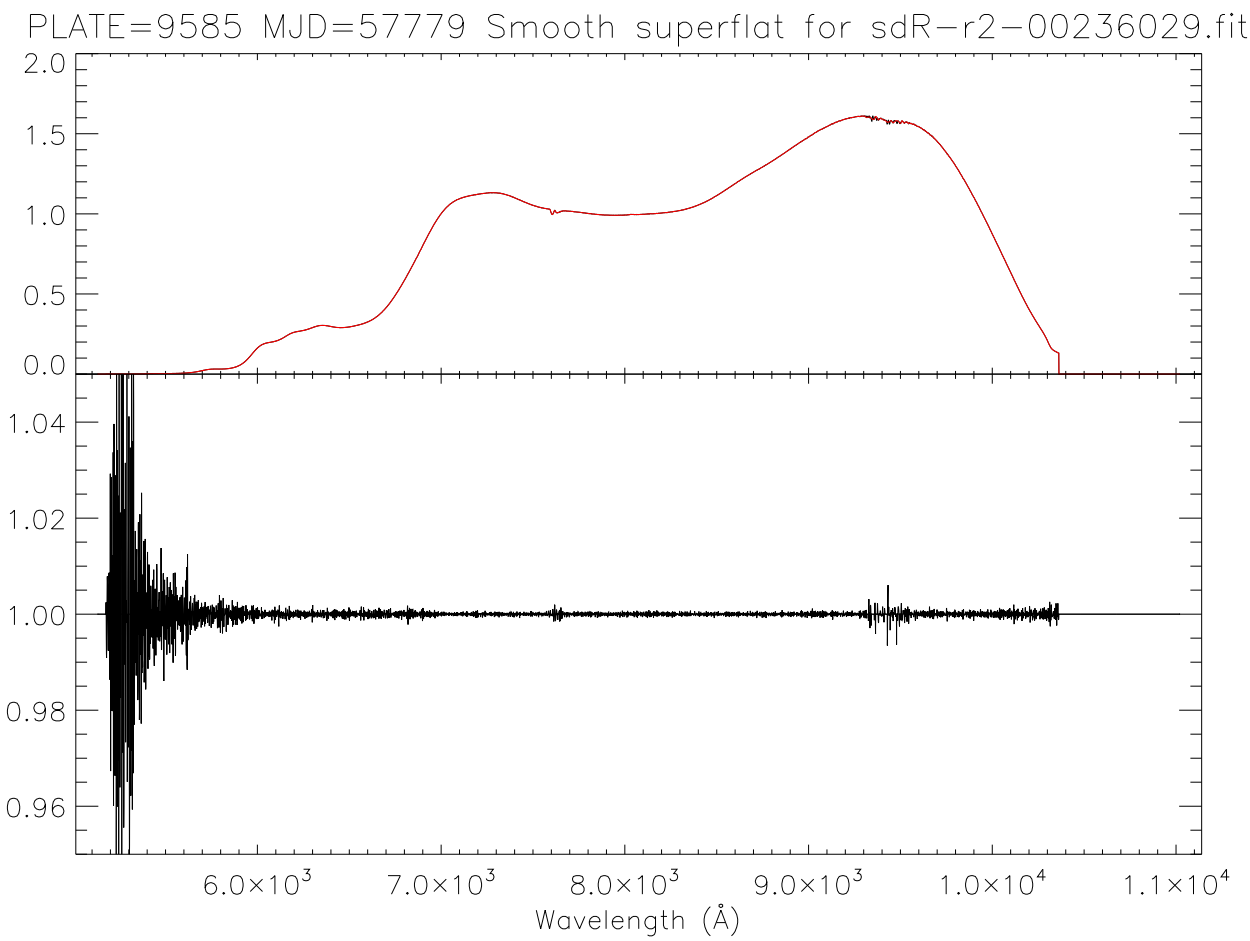

PLATE=9585 MJD=57779 sdR-r2-00236028.fit Skyline Flux at 7343,0
Flux (7343.0)/Airmass
RED = sky fiber
Dispersion = 2.44 %
Fiber number
Flux (7343.0)/Airmass
Focal Distance [mm]
Flux (7343.0)/Airmass
Airmass

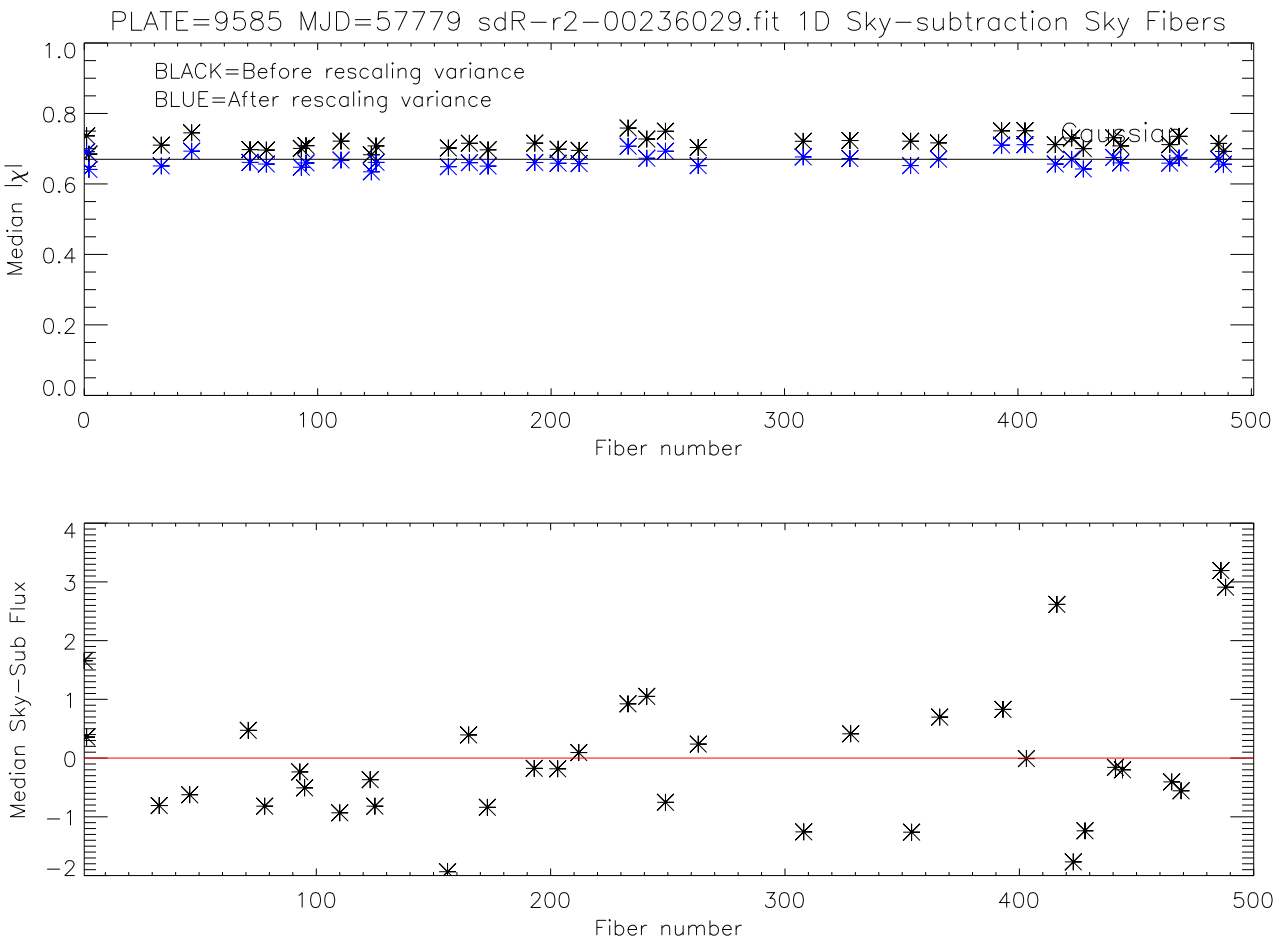

PLATE=9585 MJD=57779 sdR-r2-00236028.fit Skyline Flux at 8888.3
Flux (8888.3)/Airmass
RED = sky fiber
Dispersion = 1.75 %
Fiber number
Flux (8888.3)/Airmass
Focal Distance [mm]
Flux (8888.3)/Airmass
Airmass

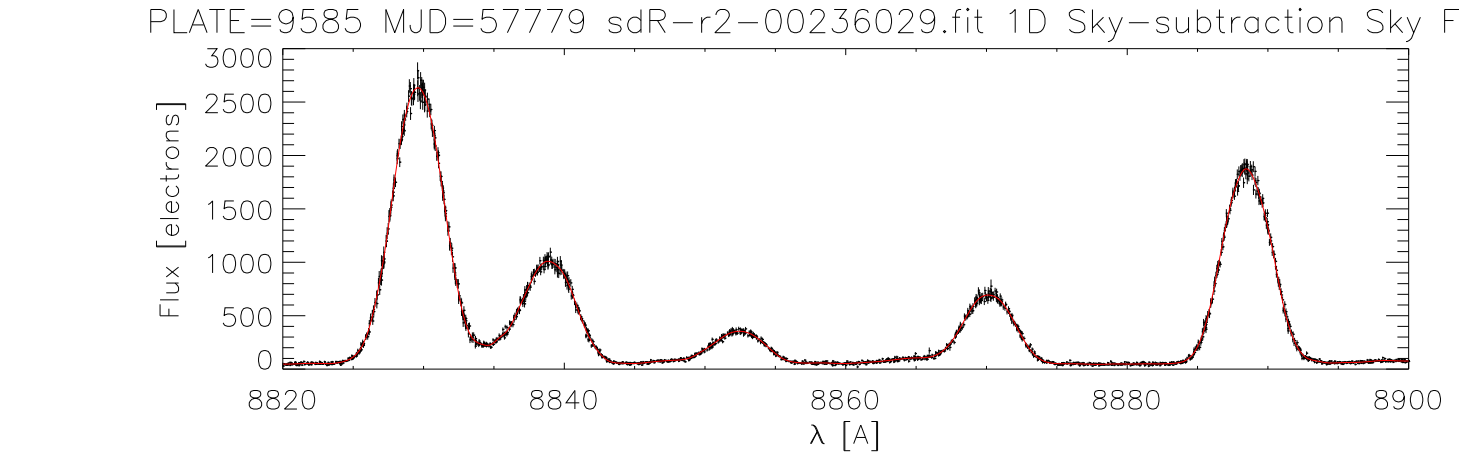

PLATE=9585 MJD=57779 Fiber−Flats for sdR−r2−00236027.fit
BLACK = Median value
ENVELOPE = 95% of points
GREEN = Outlier points
Min value = −38.651
Max value = 20.694
Fiber−Flat
1.5
1.0
0.5
0.0
6.0×10^3
7.0×10^3
8.0×10^3
9.0×10^3
1.0×10^4
1.1×10^4
λ [A]
Fri May 15 22:11:16 2020

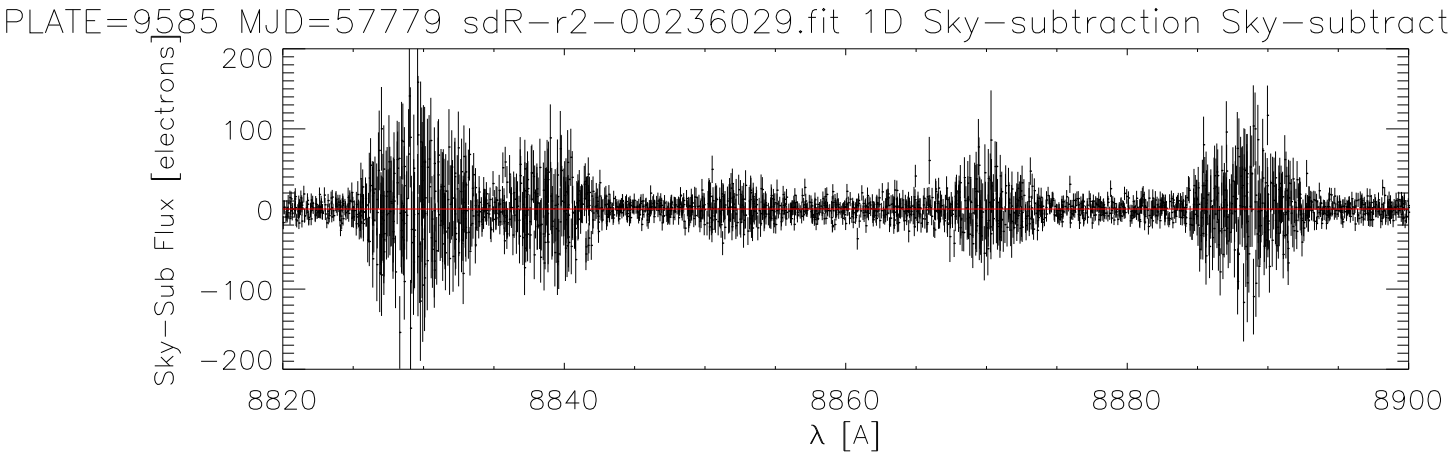

PLATE=9585 MJD=57779 Extraction chi^2 for sdR−r2−00236029.fit
BLACK = Final chisq extraction
χ^2
1.0
0.8
0.6
0.4
0.2
0.0
0
1000
2000
3000
4000
Row number


PLATE=9585 MJD=57779 Sky Line Deviations for sdR-r2-00236029.fit
500
400
300
200
100
0
Fiber Number
1.00 pix
Before shift
After shift
5460557763006363655369236949757177947821839984308885891993759439987 2 ****
Sky Line Wavelength

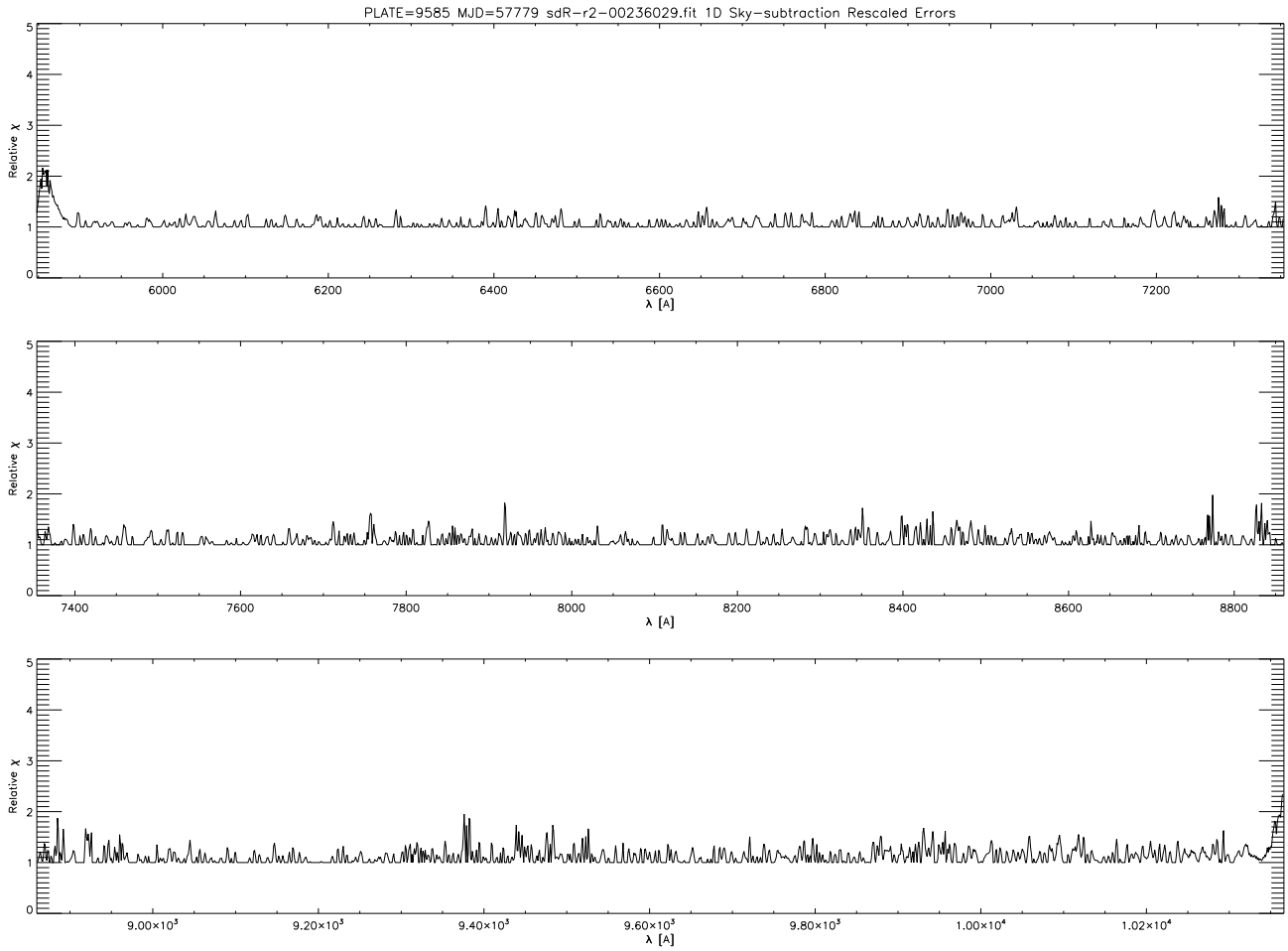

PLATE=9585 MJD=57779 Smooth superflat for sdR-r2-00236029.fit
2.0
1.5
1.0
0.5
0.0
1.04
1.02
1.00
0.98
0.96
6.0×10^3
7.0×10^3
8.0×10^3
9.0×10^3
1.0×10^4
1.1×10^4
Wavelength (Å)

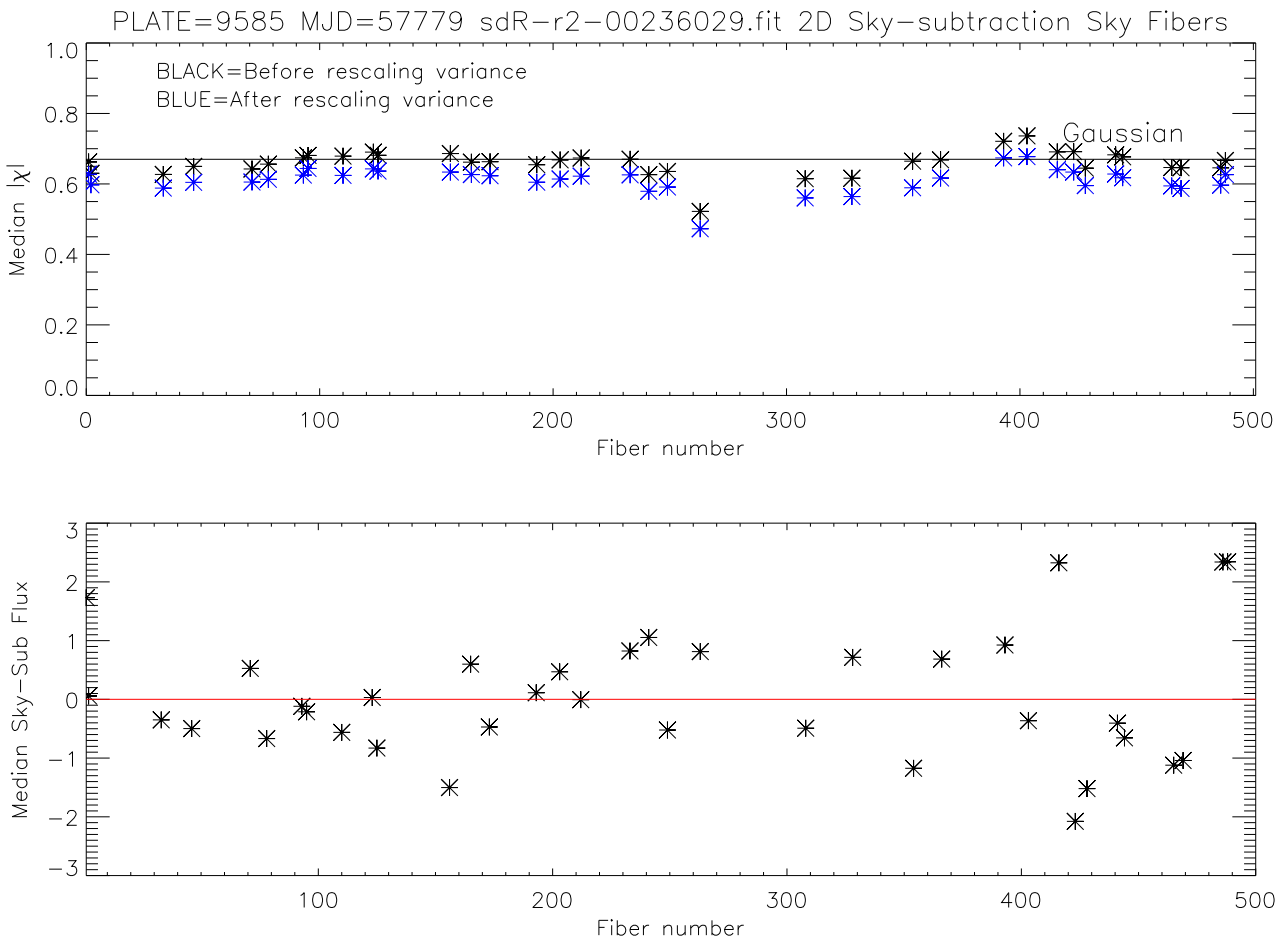

PLATE=9585 MJD=57779 sdR-r2-00236029.fit 1D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

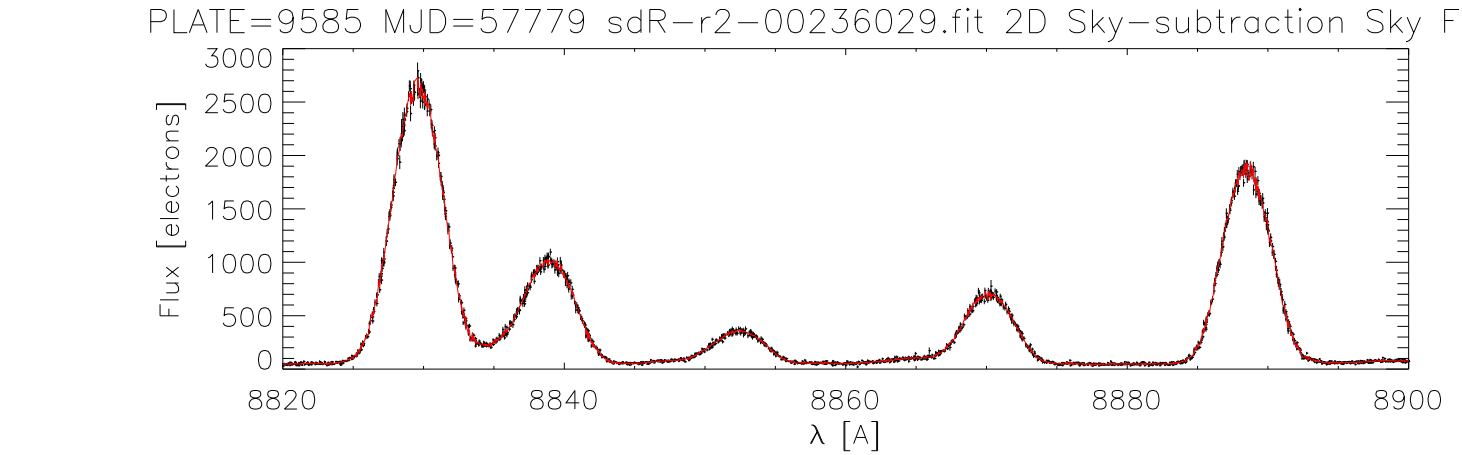

PLATE=9585 MJD=57779 sdR-r2-00236029.fit 1D Sky-subtraction Sky Fibers
Flux [electrons]
3000
2500
2000
1500
1000
500
0
8820
8840
8860
8880
8900
λ [A]

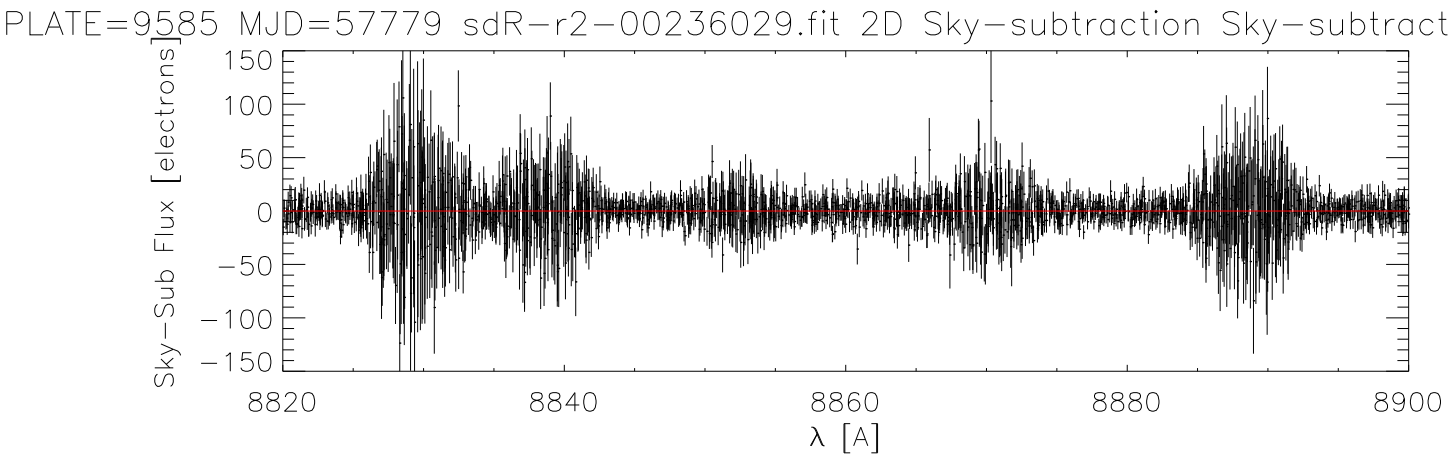

PLATE=9585 MJD=57779 sdR-r2-00236029.fit 1D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
200
100
0
-100
-200
8820
8840
8860
8880
8900
λ [A]

Number of sky fibers = 36

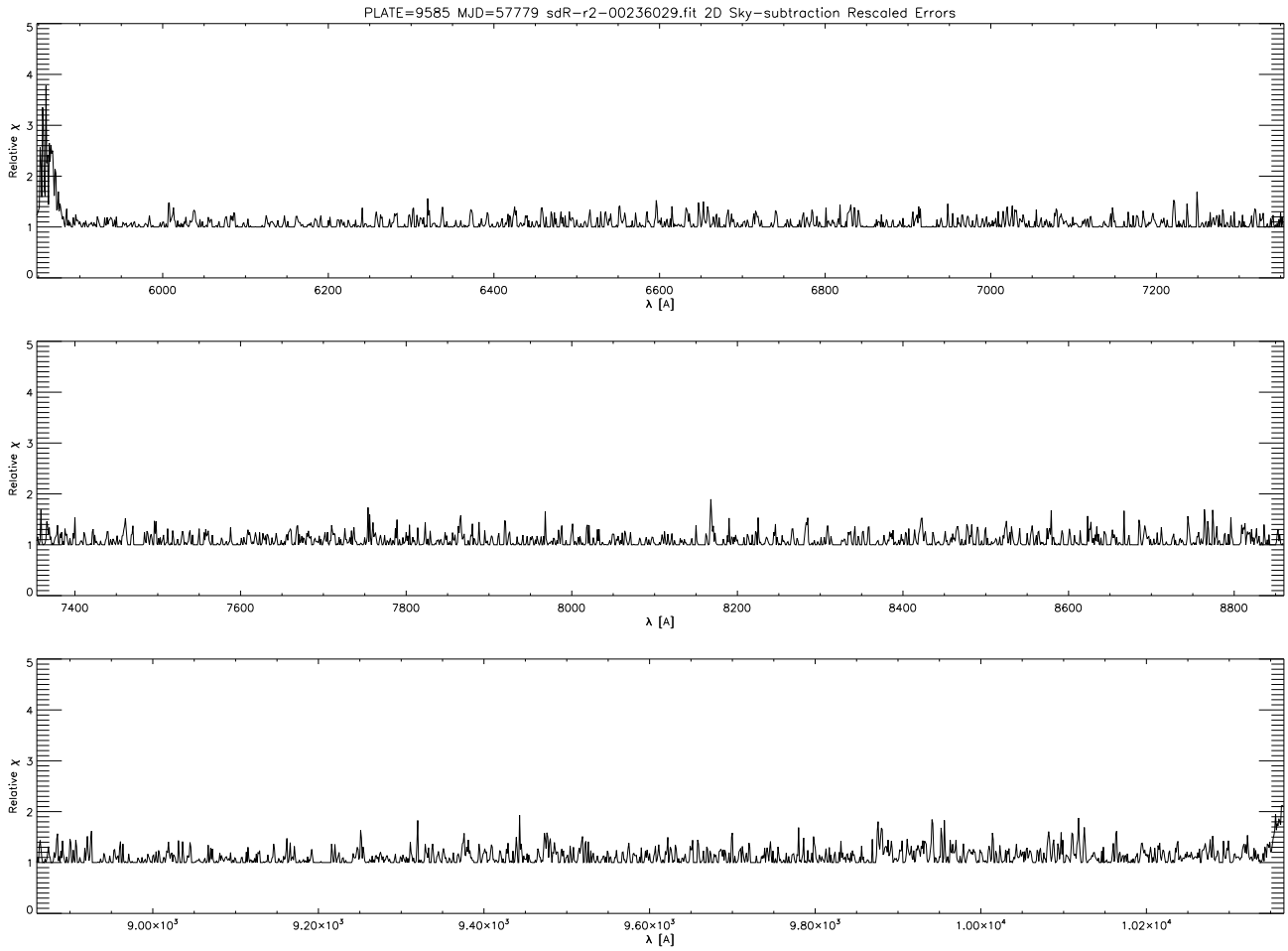


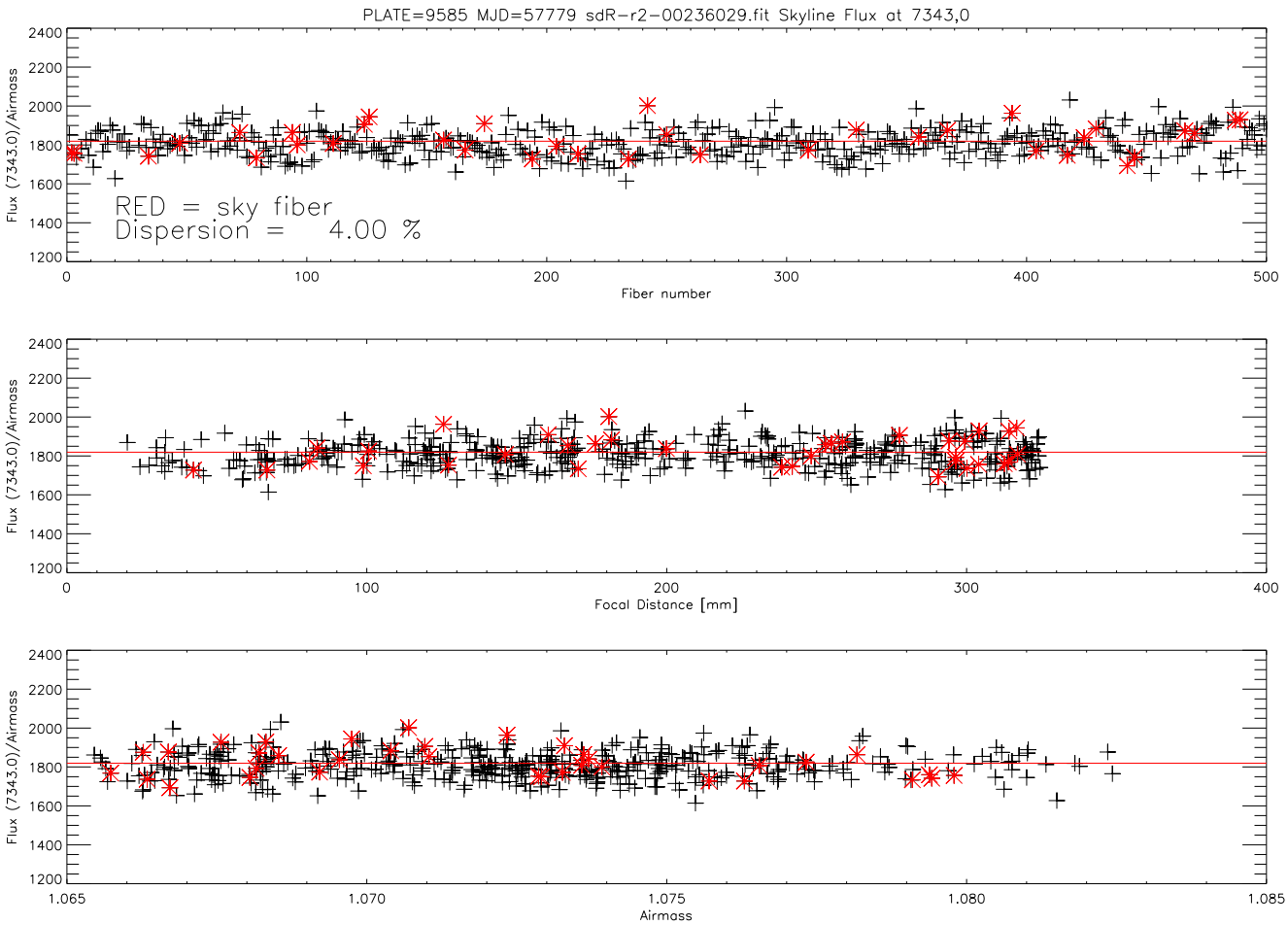

PLATE=9585 MJD=57779 sdR-r2-00236029.fit 2D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

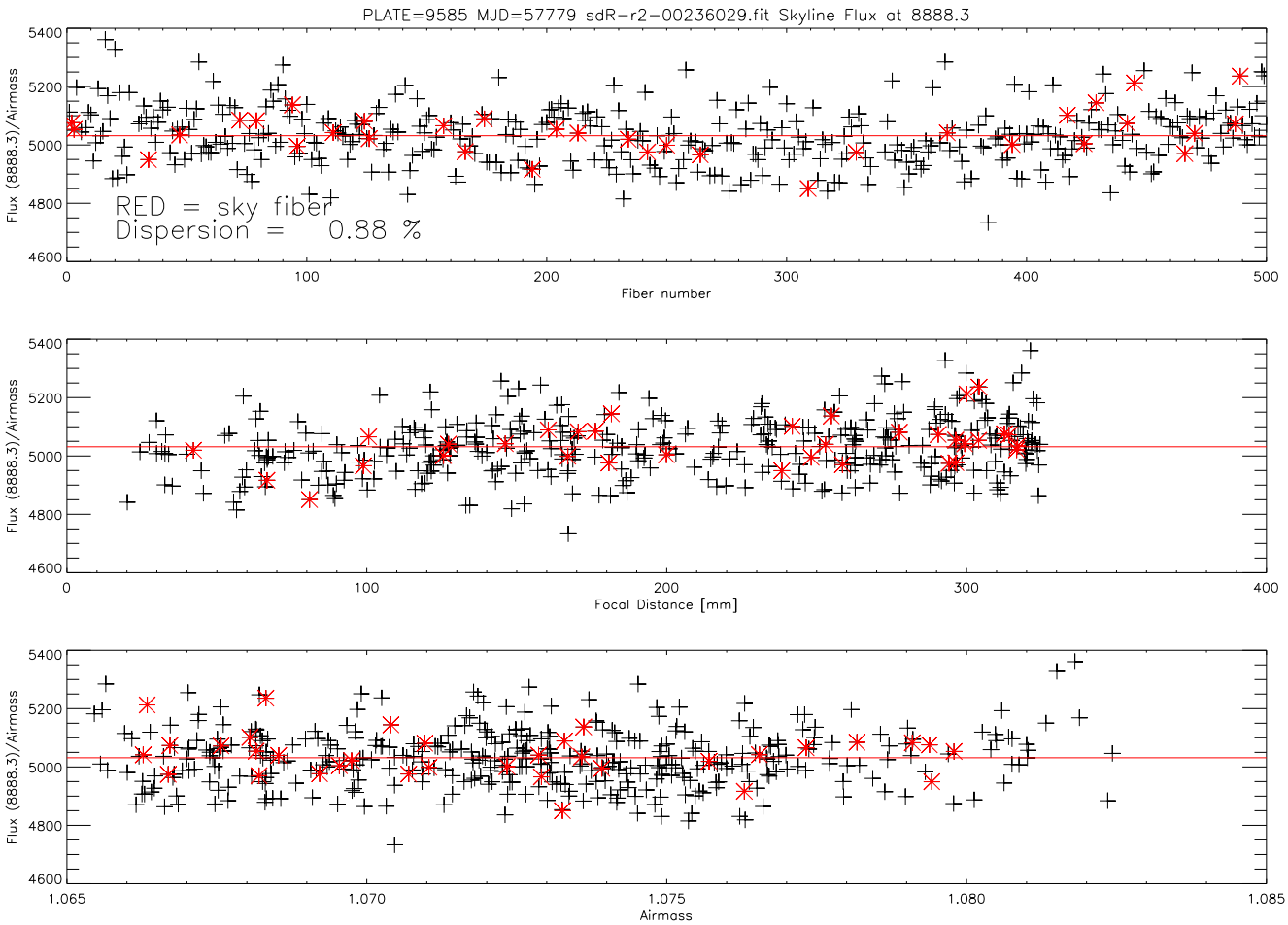

PLATE=9585 MJD=57779 sdR-r2-00236029.fit 2D Sky-subtraction Sky Fibers
Flux [electrons]
3000
2500
2000
1500
1000
500
0
8820
8840
8860
8880
8900
λ [A]

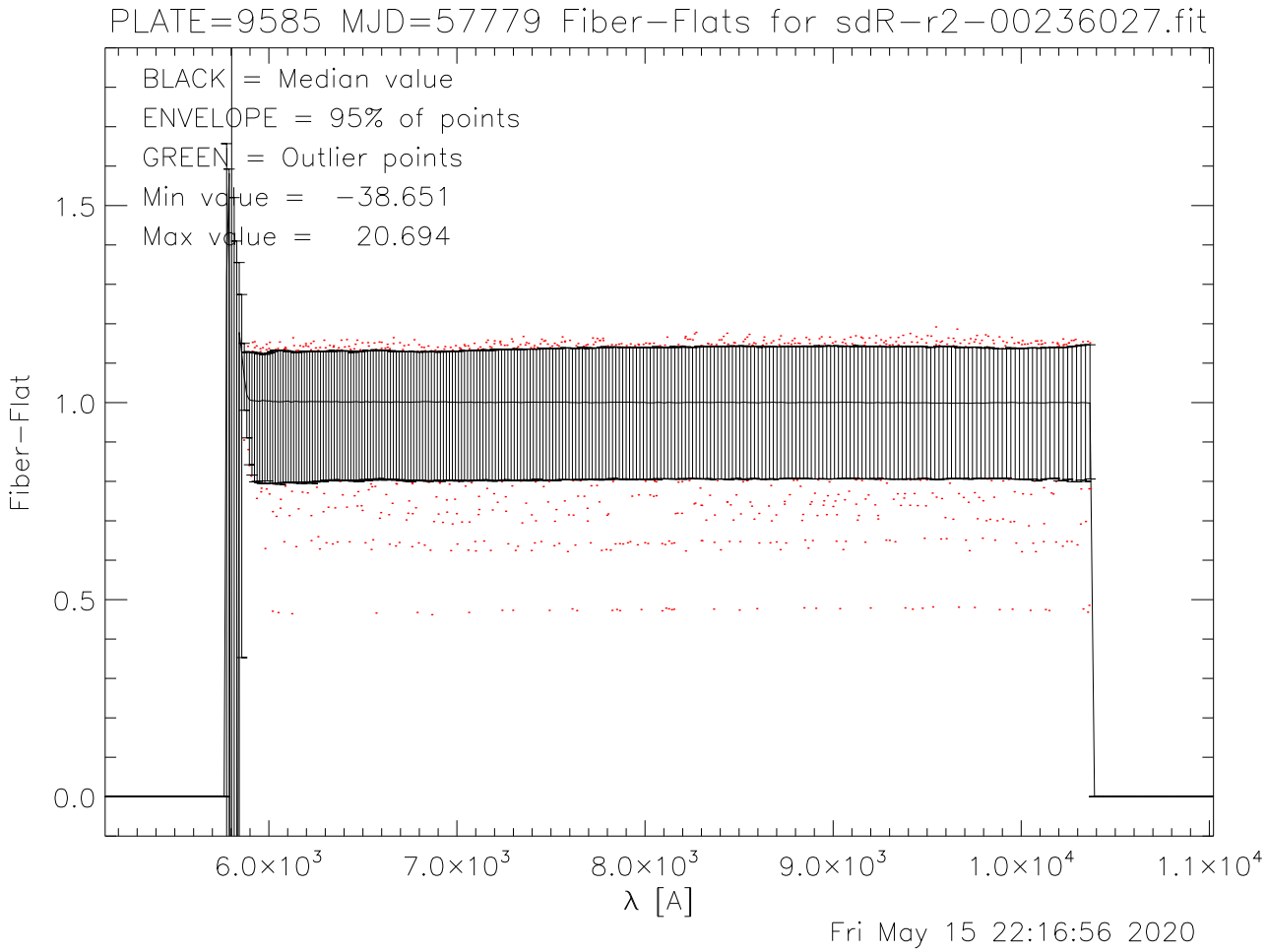

PLATE=9585 MJD=57779 sdR-r2-00236029.fit 2D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
150
100
50
0
-50
-100
-150
8820
8840
8860
8880
8900
λ [A]

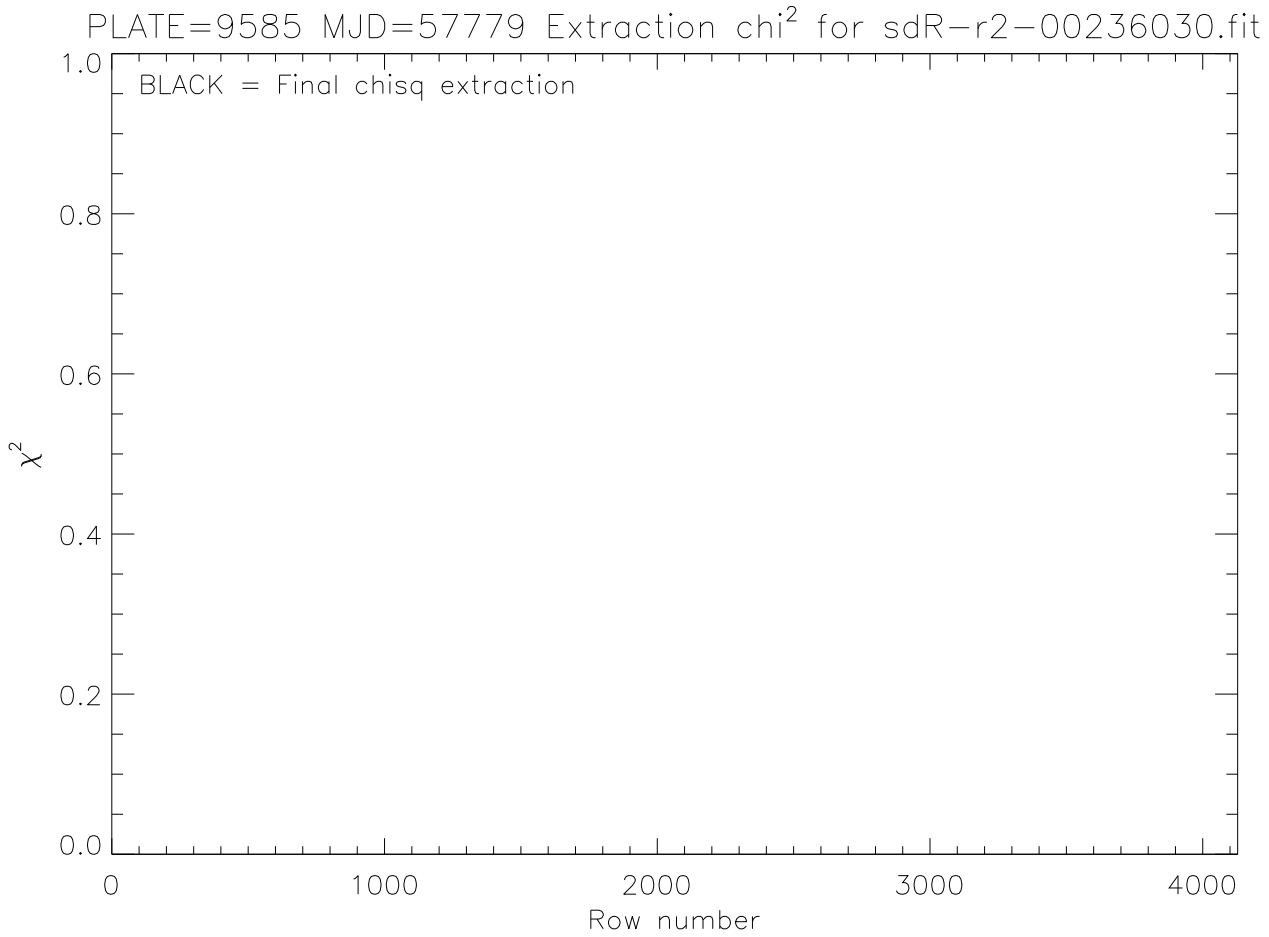
Number of sky fibers = 36

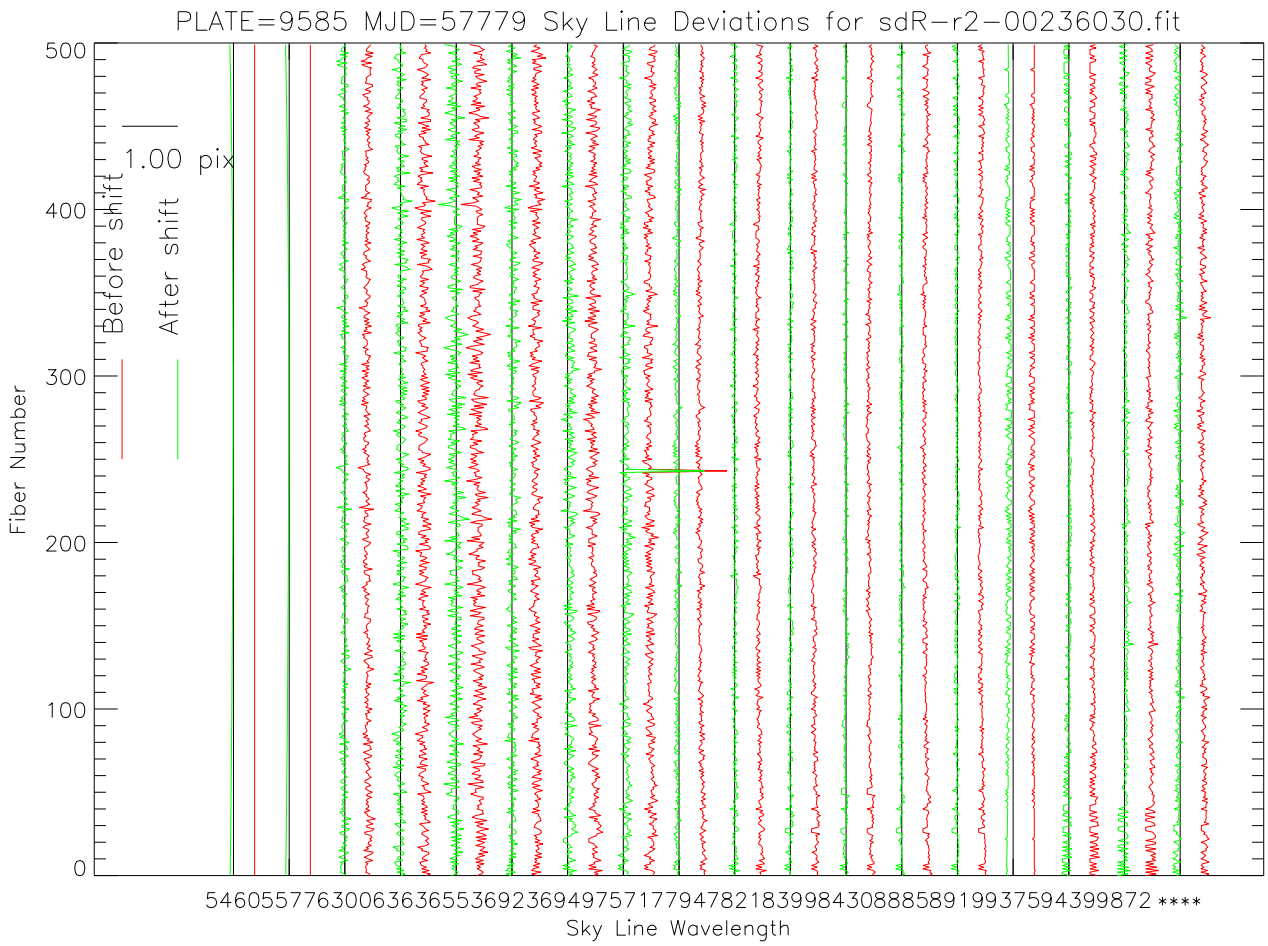


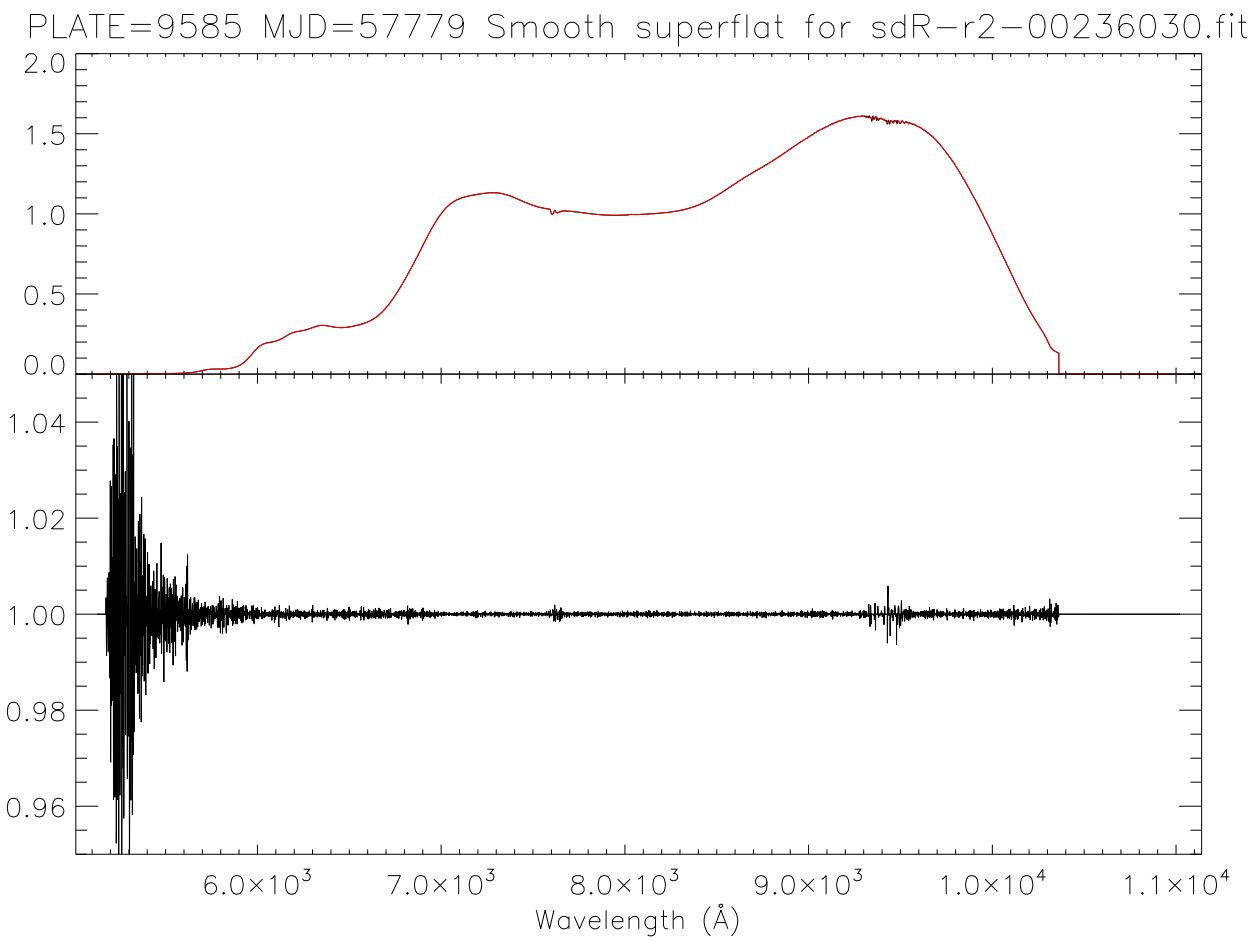

PLATE=9585 MJD=57779 sdR-r2-00236029.fit Skyline Flux at 7343,0
Flux (7343.0)/Airmass
RED = sky fiber
Dispersion = 4.00 %
Fiber number
Flux (7343.0)/Airmass
Focal Distance [mm]
Flux (7343.0)/Airmass
Airmass

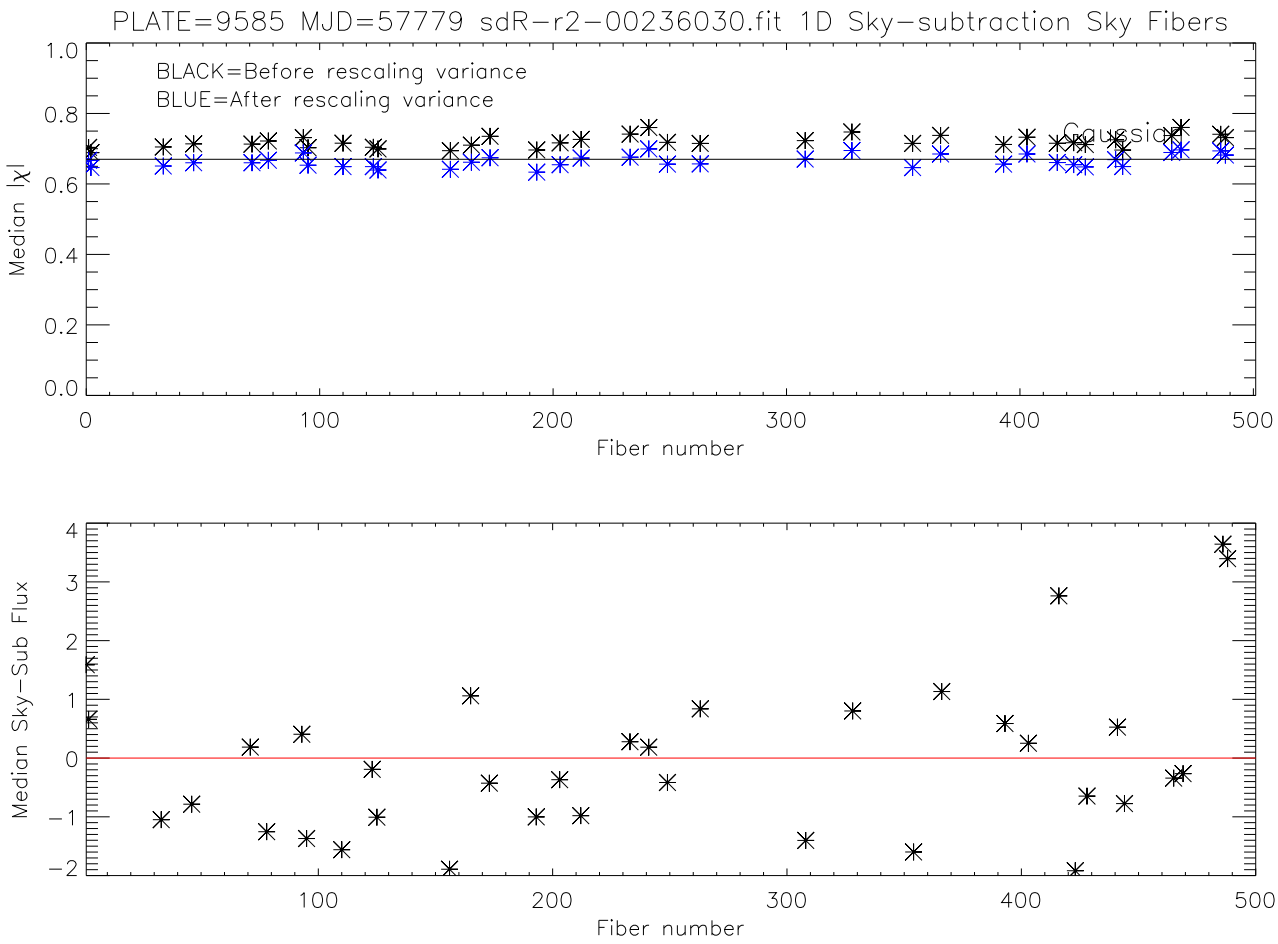

PLATE=9585 MJD=57779 sdR-r2-00236029.fit Skyline Flux at 8888.3
Flux (8888.3)/Airmass
RED = sky fiber
Dispersion = 0.88 %
Fiber number
Focal Distance [mm]
Airmass


PLATE=9585 MJD=57779 Fiber−Flats for sdR−r2−00236027.fit
BLACK = Median value
ENVELOPE = 95% of points
GREEN = Outlier points
Min value = −38.651
Max value = 20.694
Fiber−Flat
1.5
1.0
0.5
0.0
6.0×10^3
7.0×10^3
8.0×10^3
9.0×10^3
1.0×10^4
1.1×10^4
λ [A]
Fri May 15 22:16:56 2020

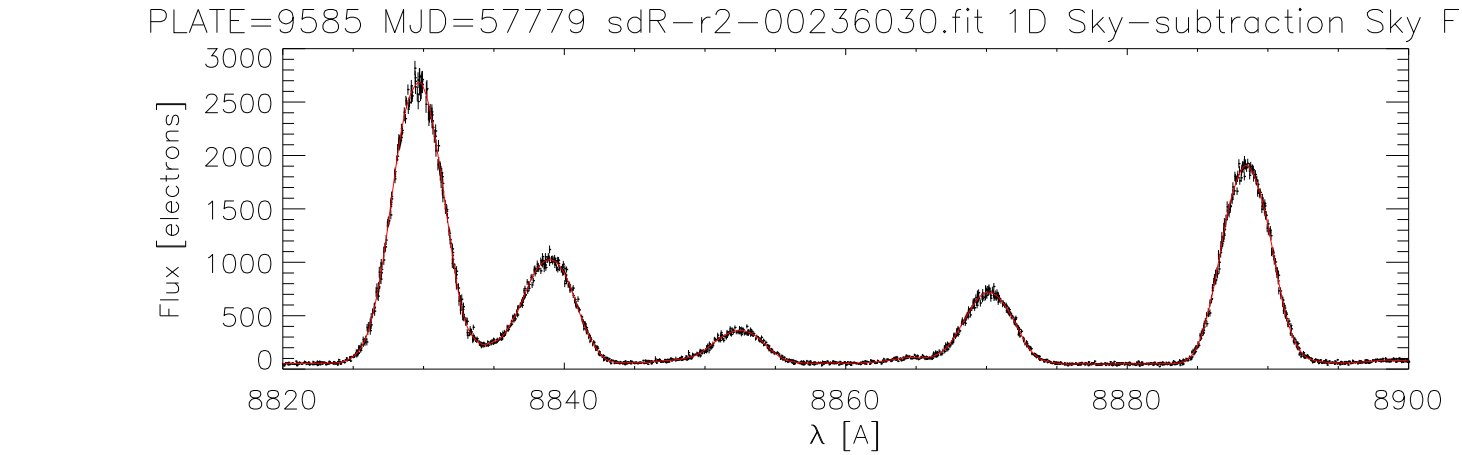

PLATE=9585 MJD=57779 Extraction chi^2 for sdR−r2−00236030.fit
BLACK = Final chisq extraction
χ^2
1.0
0.8
0.6
0.4
0.2
0.0
0
1000
2000
3000
4000
Row number

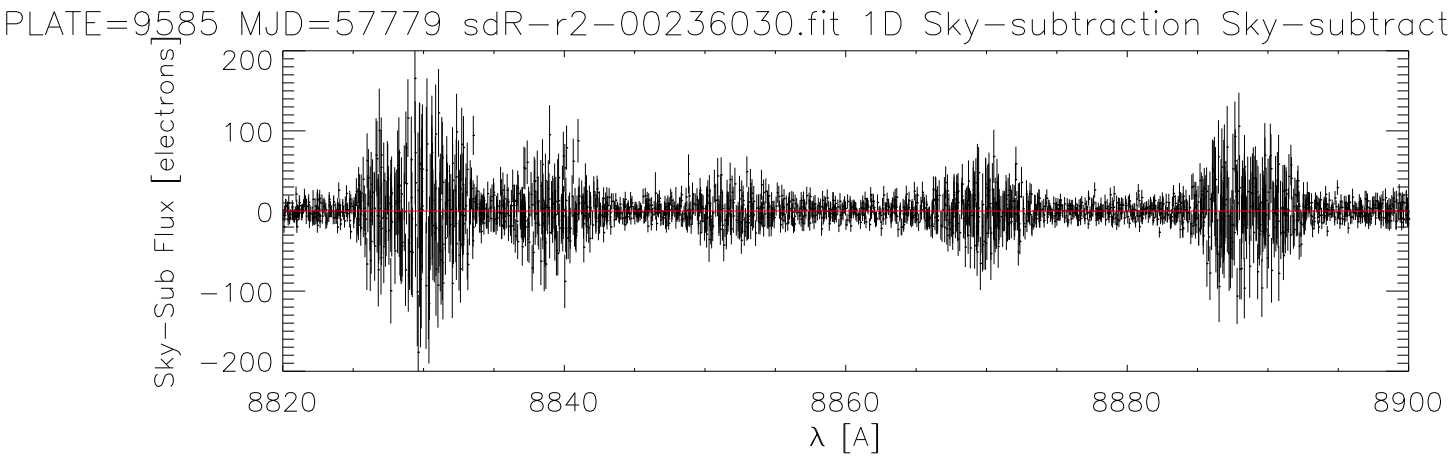

PLATE=9585 MJD=57779 Sky Line Deviations for sdR-r2-00236030.fit
Before shift
After shift
1.00 pix
Fiber Number
0
100
200
300
400
500
546055776300636365536923694975717794782183998430888589199375943998 72 ****
Sky Line Wavelength


PLATE=9585 MJD=57779 Smooth superflat for sdR-r2-00236030.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)

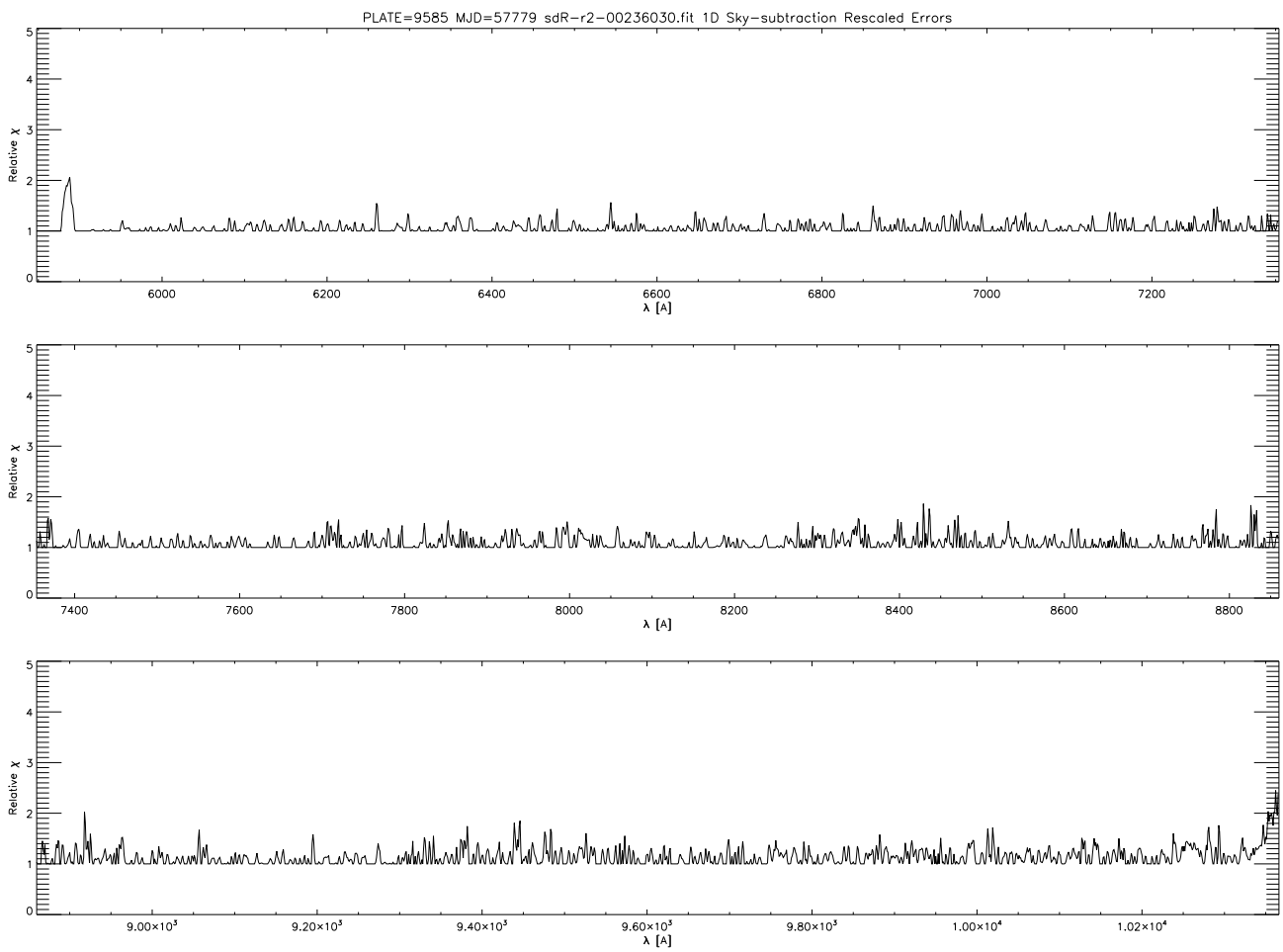

PLATE=9585 MJD=57779 sdR-r2-00236030.fit 1D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number

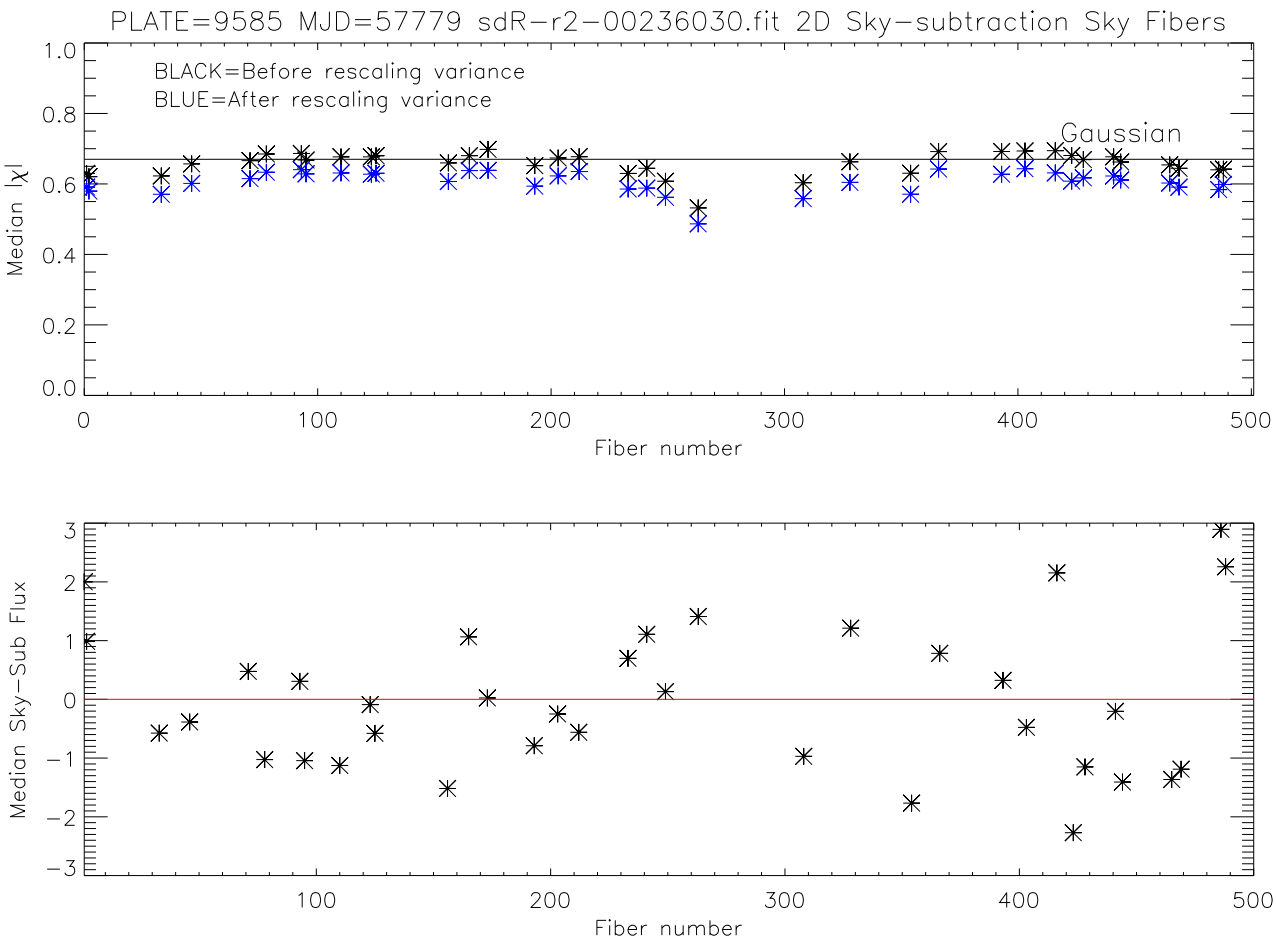
Median Sky-Sub Flux
Fiber number

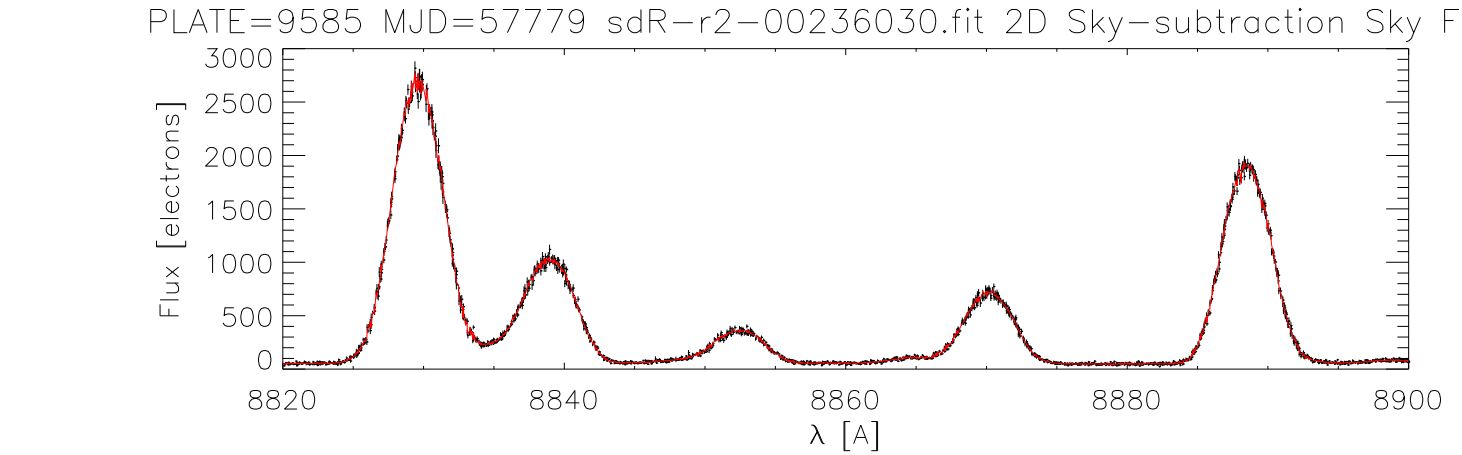

PLATE=9585 MJD=57779 sdR-r2-00236030.fit 1D Sky-subtraction Sky Fibers
Flux [electrons]
3000
2500
2000
1500
1000
500
0
8820
8840
8860
8880
8900
λ [A]

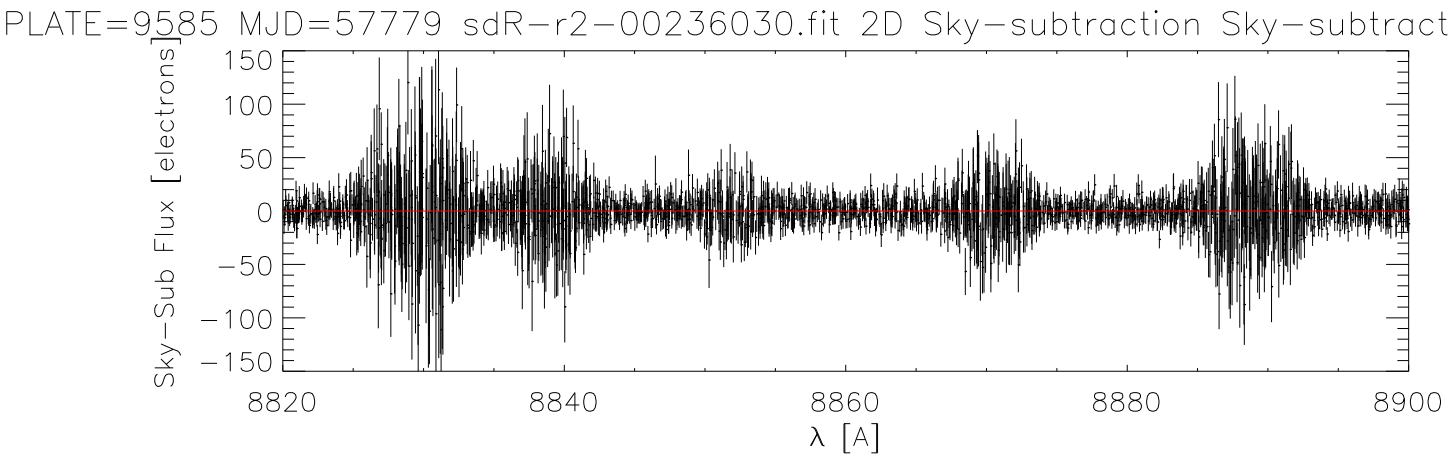

PLATE=9585 MJD=57779 sdR-r2-00236030.fit 1D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
200
100
0
-100
-200
8820
8840
8860
8880
8900
λ [A]

Number of sky fibers = 36

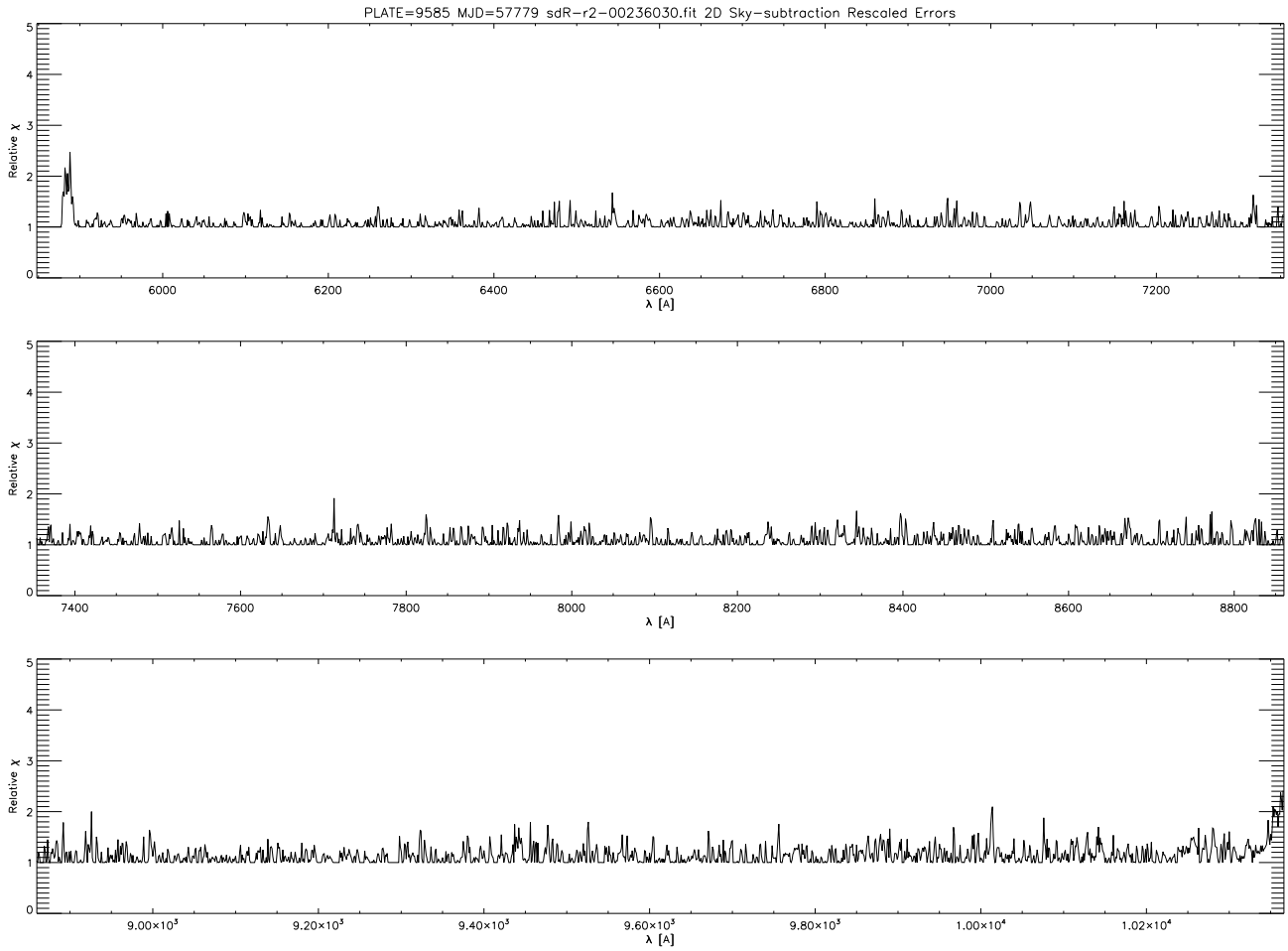


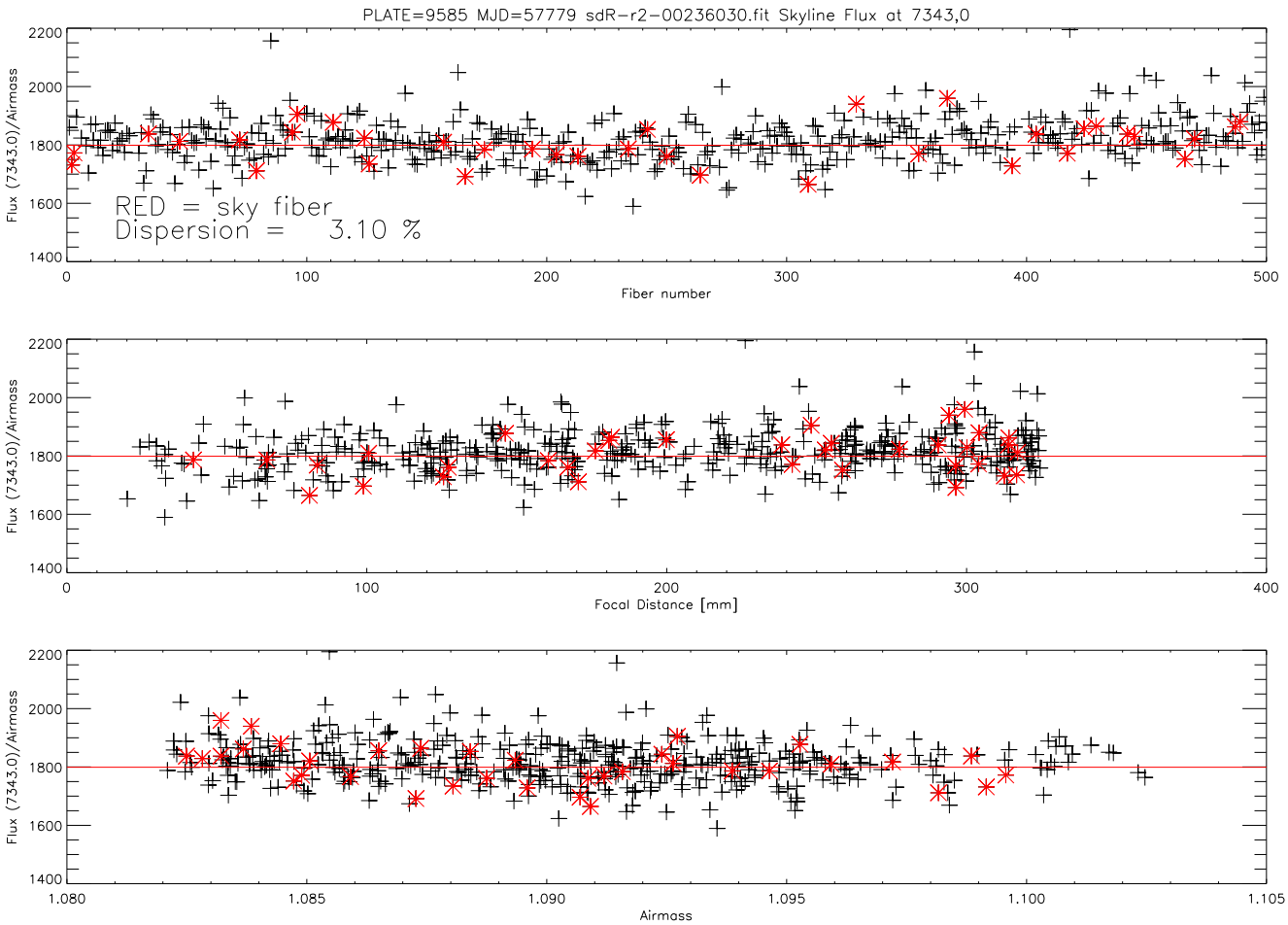

PLATE=9585 MJD=57779 sdR-r2-00236030.fit 2D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

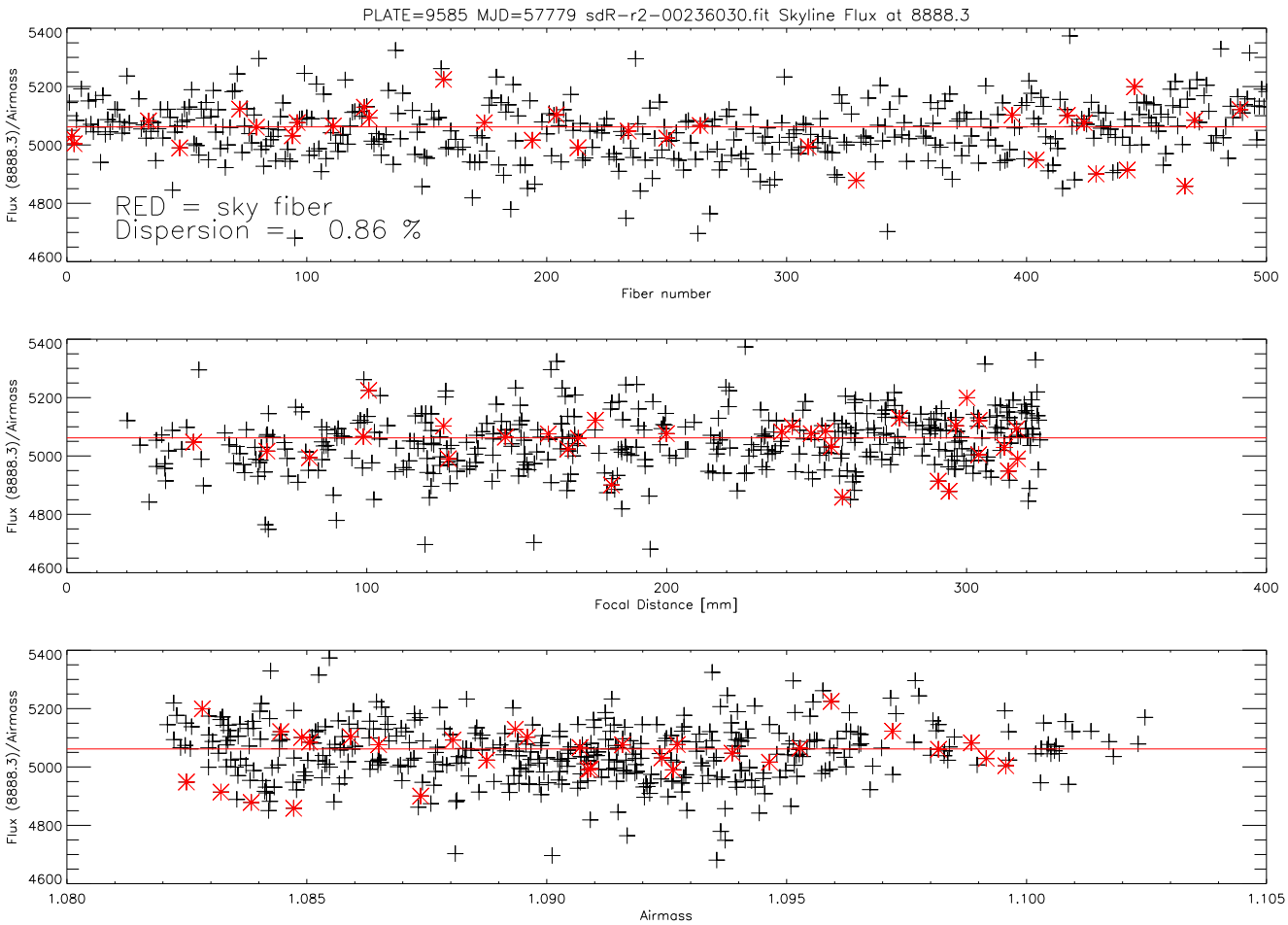

PLATE=9585 MJD=57779 sdR-r2-00236030.fit 2D Sky-subtraction Sky Fibers
Flux [electrons]
3000
2500
2000
1500
1000
500
0
8820
8840
8860
8880
8900
λ [A]

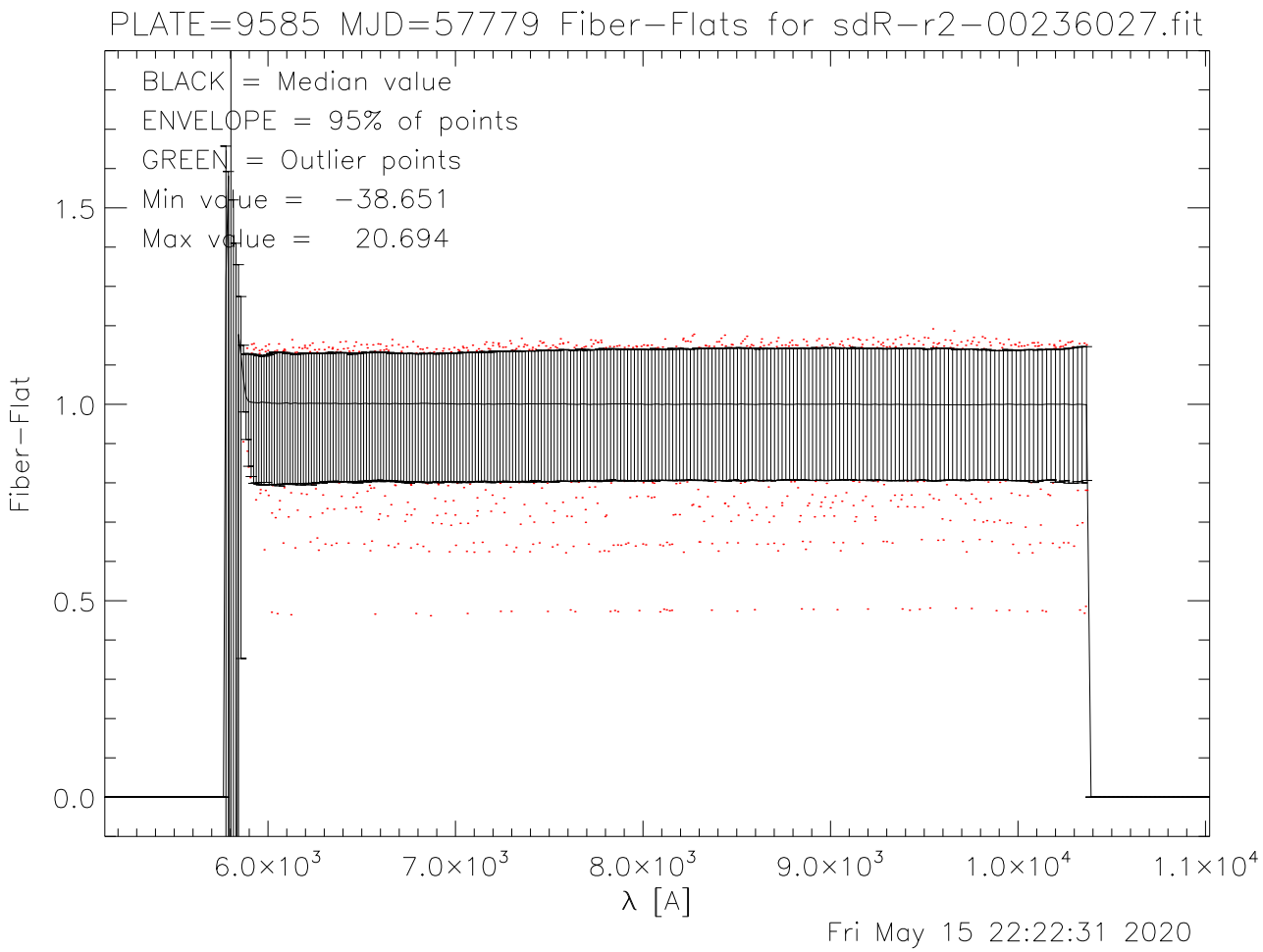

PLATE=9585 MJD=57779 sdR-r2-00236030.fit 2D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
150
100
50
0
-50
-100
-150
8820
8840
8860
8880
8900
λ [A]

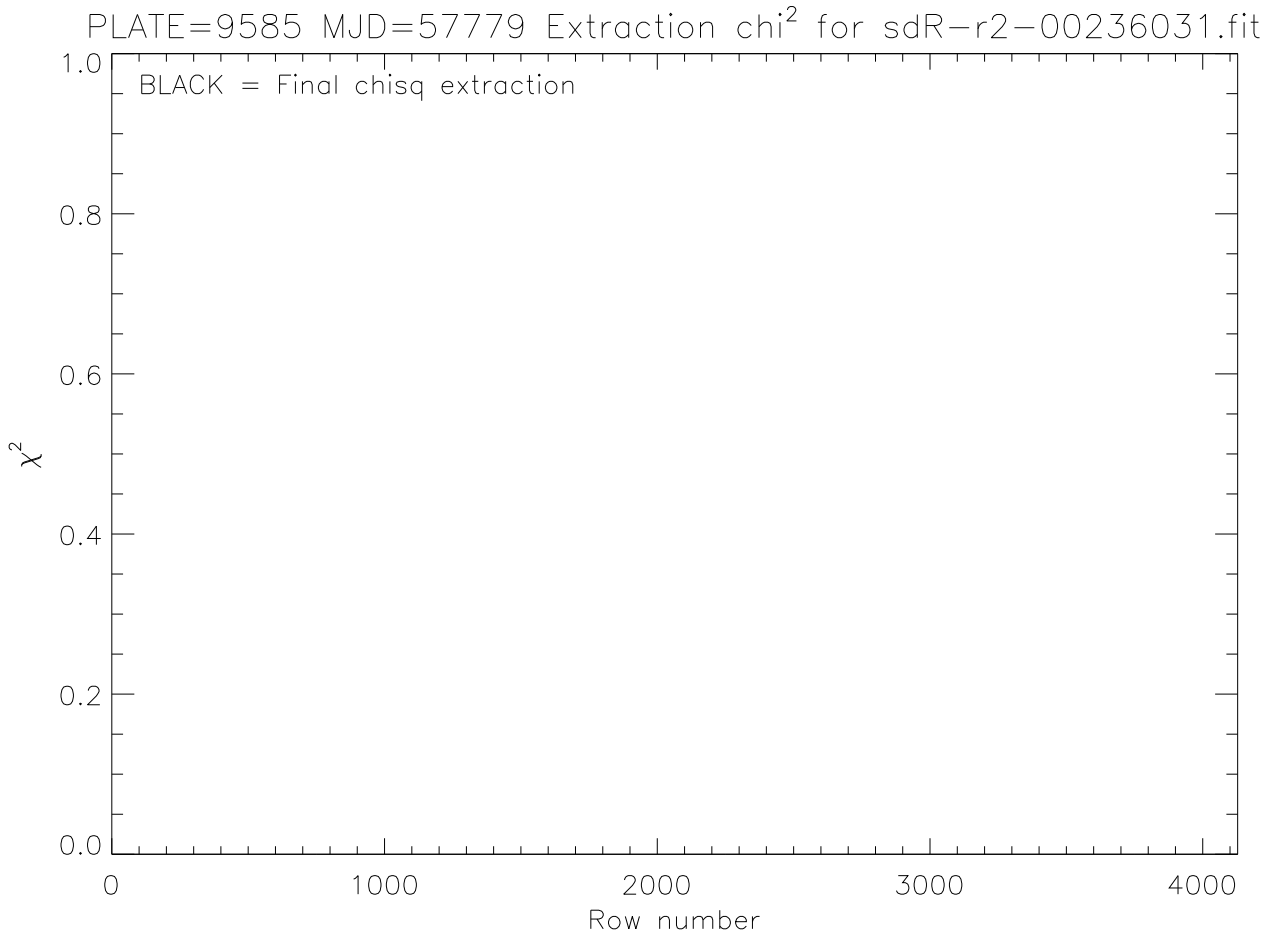
Number of sky fibers = 36

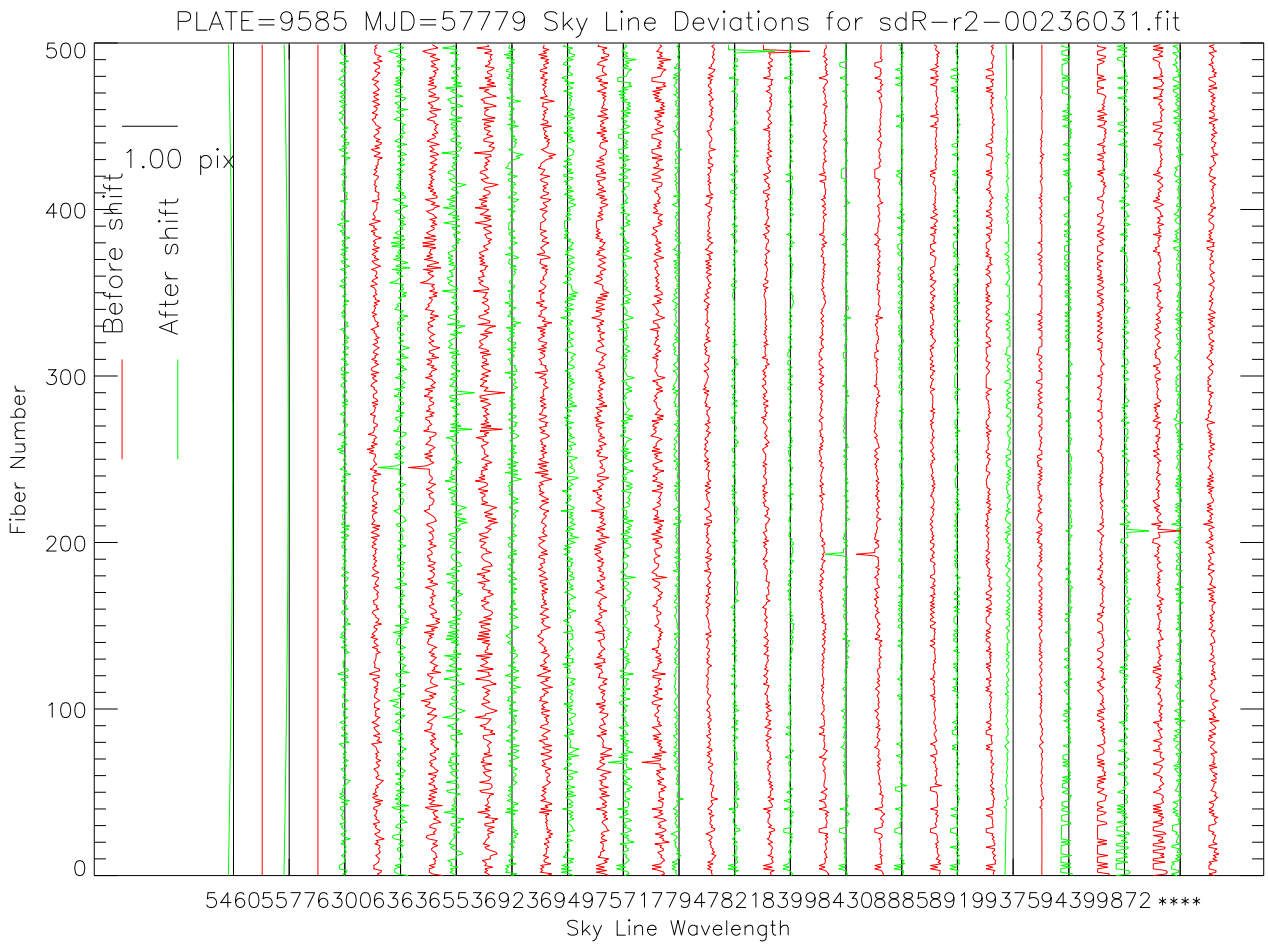


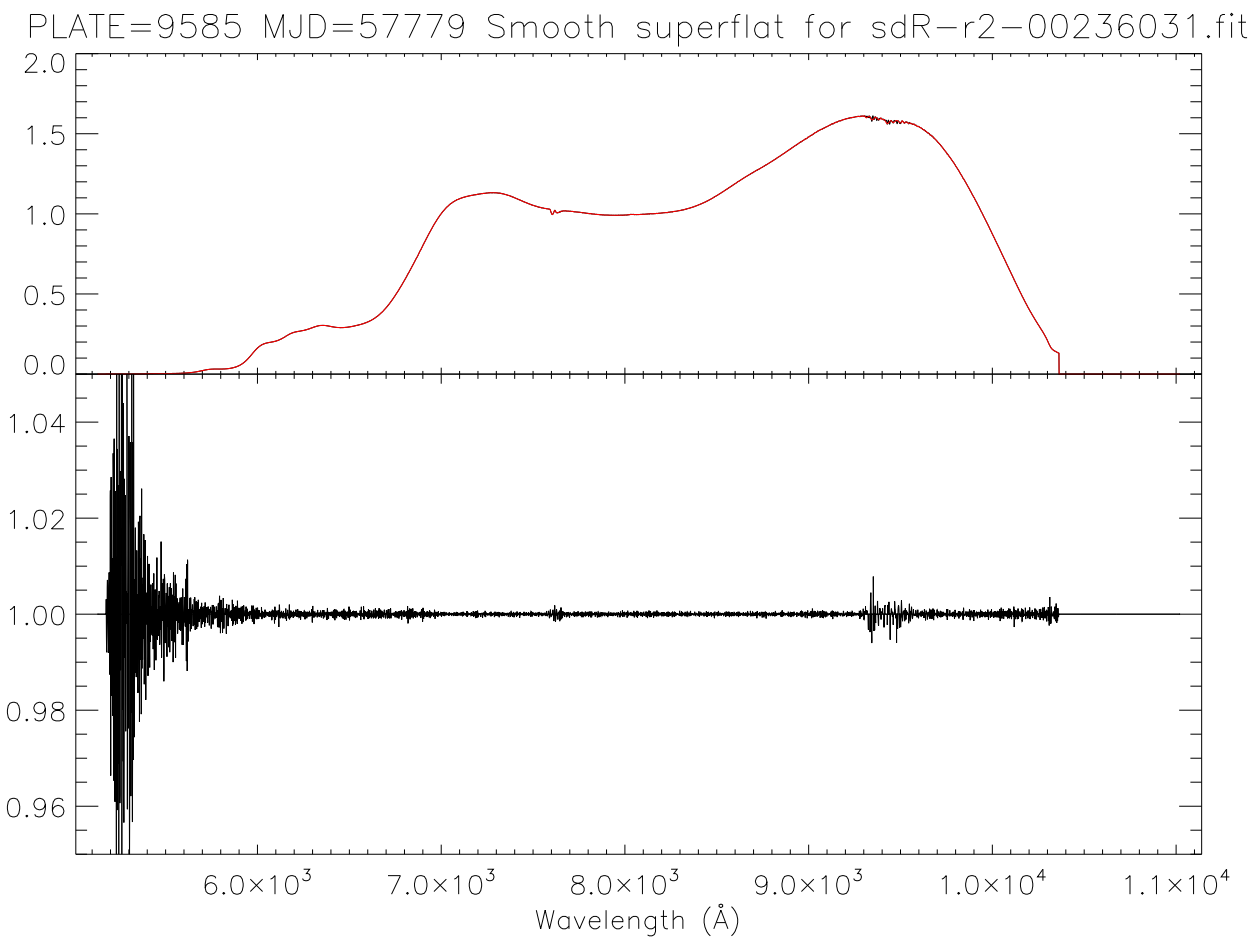

PLATE=9585 MJD=57779 sdR-r2-00236030.fit Skyline Flux at 7343,0
Flux (7343.0)/Airmass
RED = sky fiber
Dispersion = 3.10 %
Fiber number
Flux (7343.0)/Airmass
Focal Distance [mm]
Flux (7343.0)/Airmass
Airmass

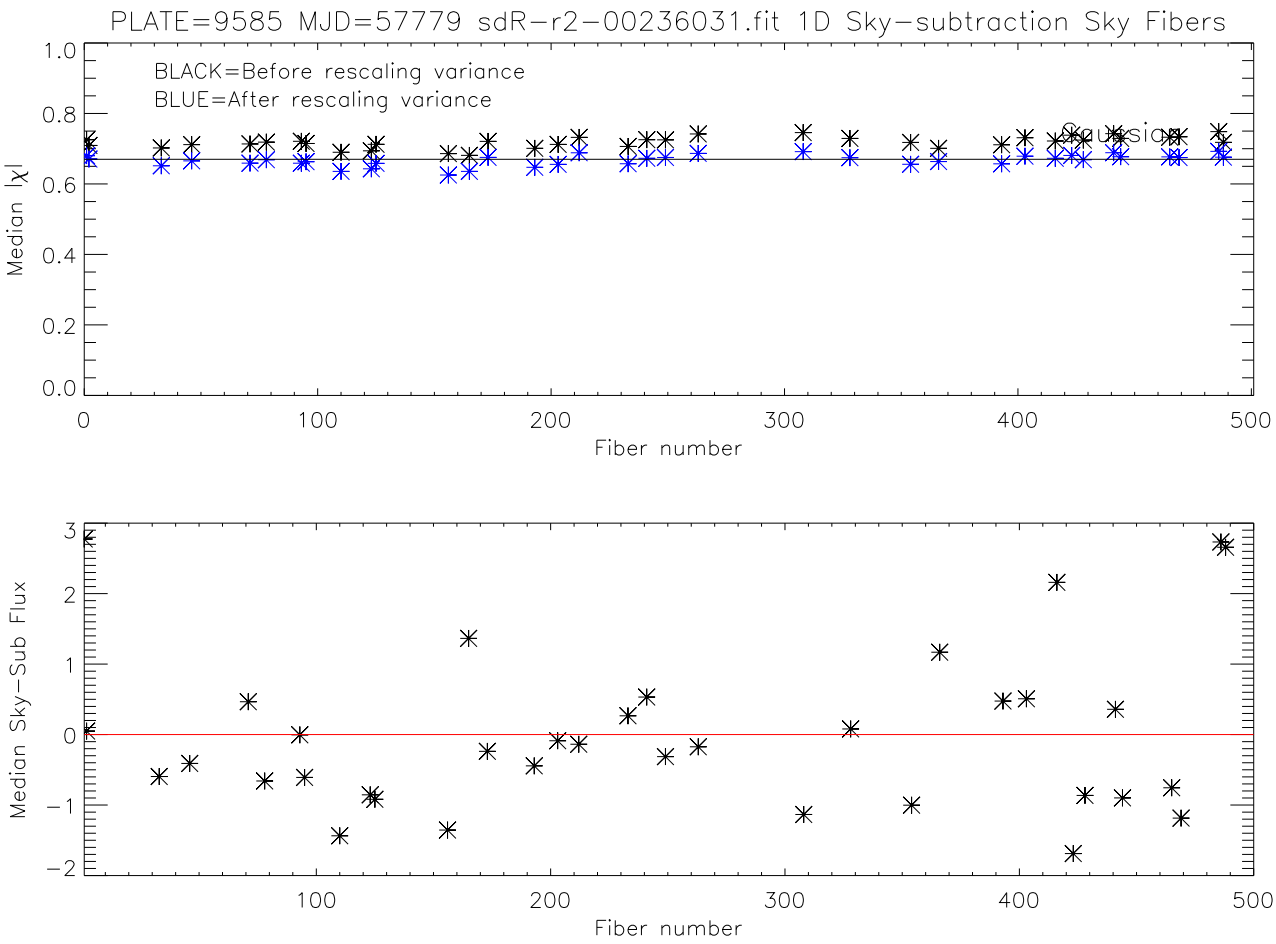

PLATE=9585 MJD=57779 sdR-r2-00236030.fit Skyline Flux at 8888.3
Flux (8888.3)/Airmass
RED = sky fiber
Dispersion =+ 0.86 %
Fiber number
Flux (8888.3)/Airmass
Focal Distance [mm]
Flux (8888.3)/Airmass
Airmass

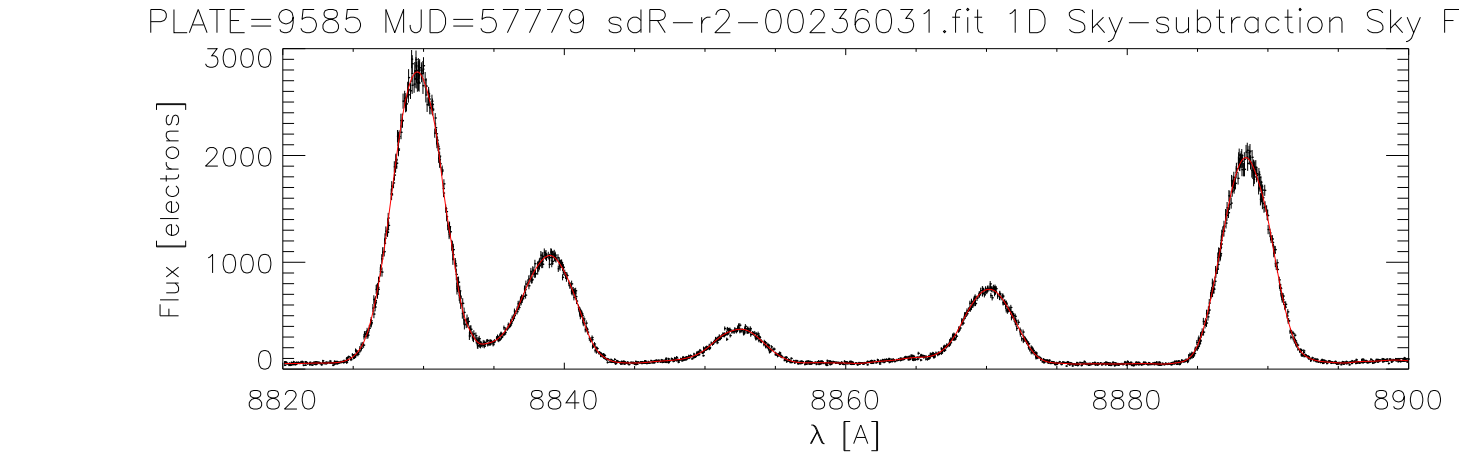

PLATE=9585 MJD=57779 Fiber−Flats for sdR−r2−00236027.fit
BLACK = Median value
ENVELOPE = 95% of points
GREEN = Outlier points
Min value = −38.651
Max value = 20.694
Fiber−Flat
1.5
1.0
0.5
0.0
6.0×10^3
7.0×10^3
8.0×10^3
9.0×10^3
1.0×10^4
1.1×10^4
λ [A]
Fri May 15 22:22:31 2020

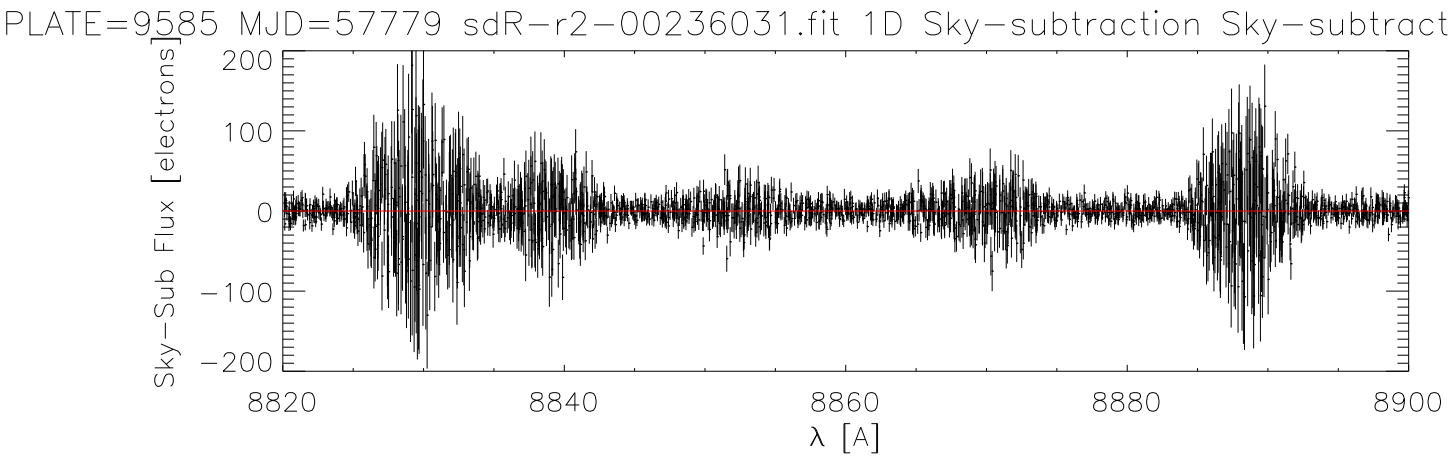

PLATE=9585 MJD=57779 Extraction chi^2 for sdR−r2−00236031.fit
BLACK = Final chisq extraction
χ^2
1.0
0.8
0.6
0.4
0.2
0.0
0
1000
2000
3000
4000
Row number


PLATE=9585 MJD=57779 Sky Line Deviations for sdR-r2-00236031.fit
Before shift
After shift
1.00 pix
Fiber Number
0
100
200
300
400
500
5460557763006363655369236949757177947821839984308885891993759439987 2 ****
Sky Line Wavelength

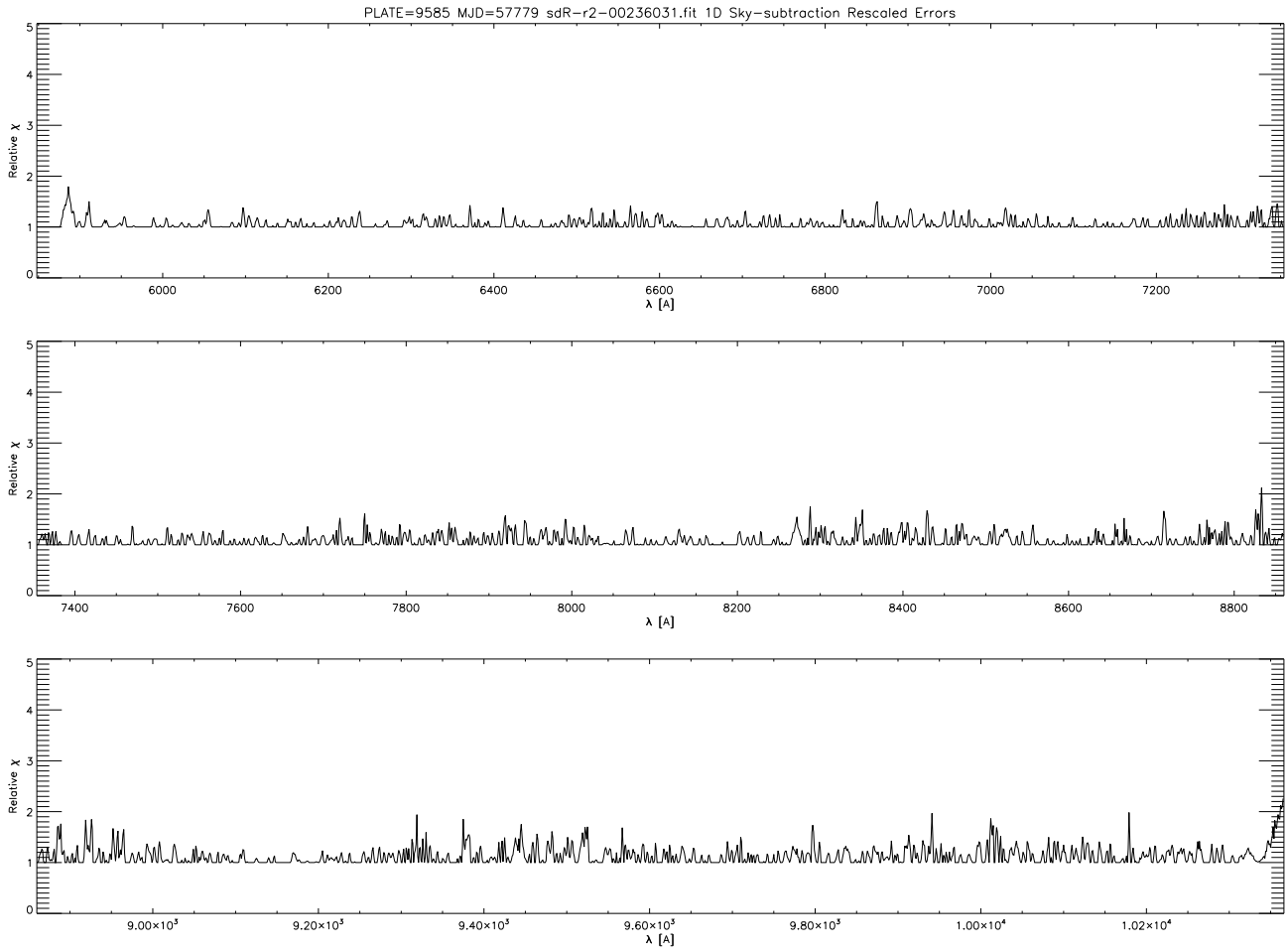

PLATE=9585 MJD=57779 Smooth superflat for sdR-r2-00236031.fit
2.0
1.5
1.0
0.5
0.0
1.04
1.02
1.00
0.98
0.96
6.0×10^3
7.0×10^3
8.0×10^3
9.0×10^3
1.0×10^4
1.1×10^4
Wavelength (Å)

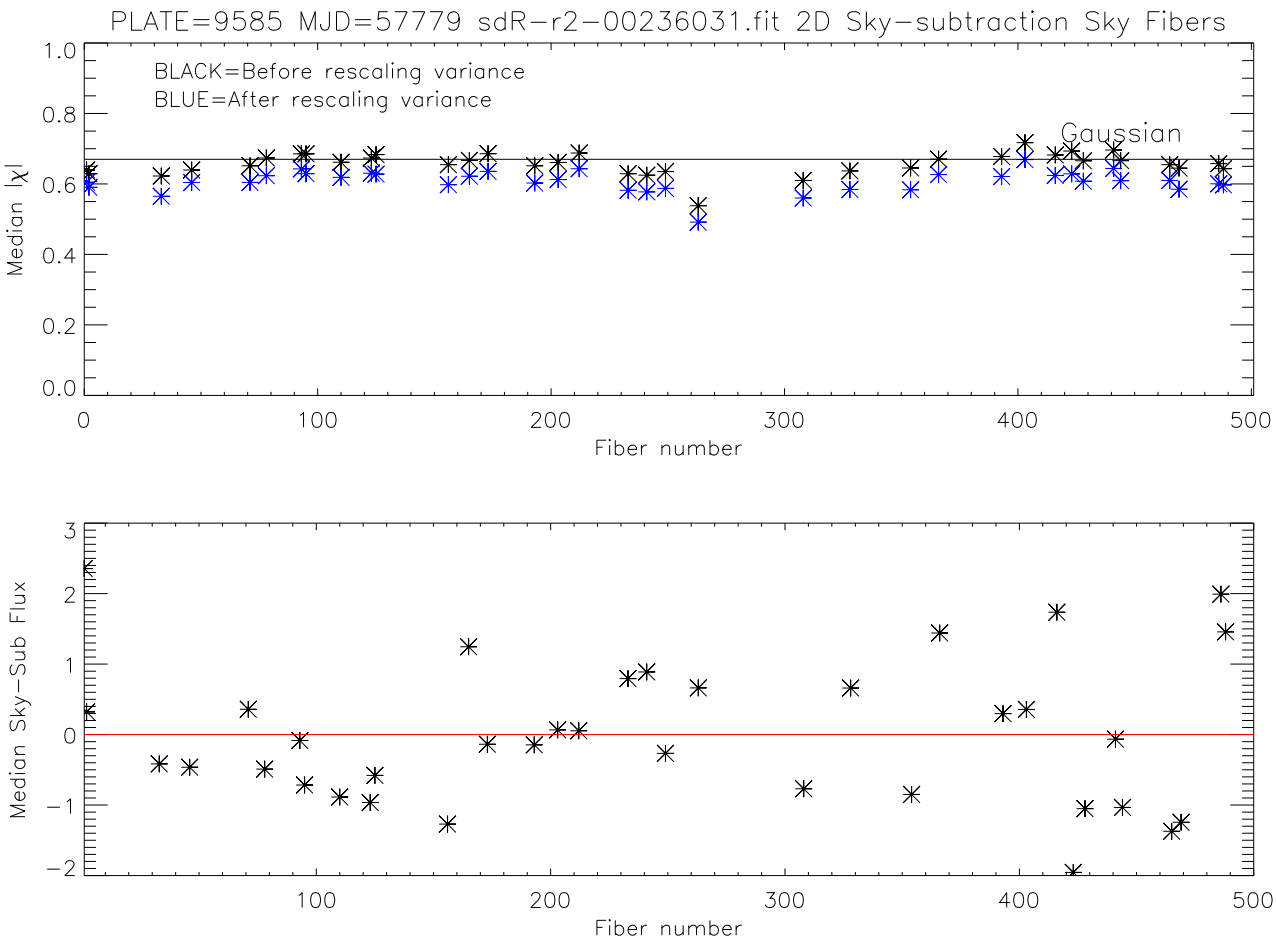

PLATE=9585 MJD=57779 sdR-r2-00236031.fit 1D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

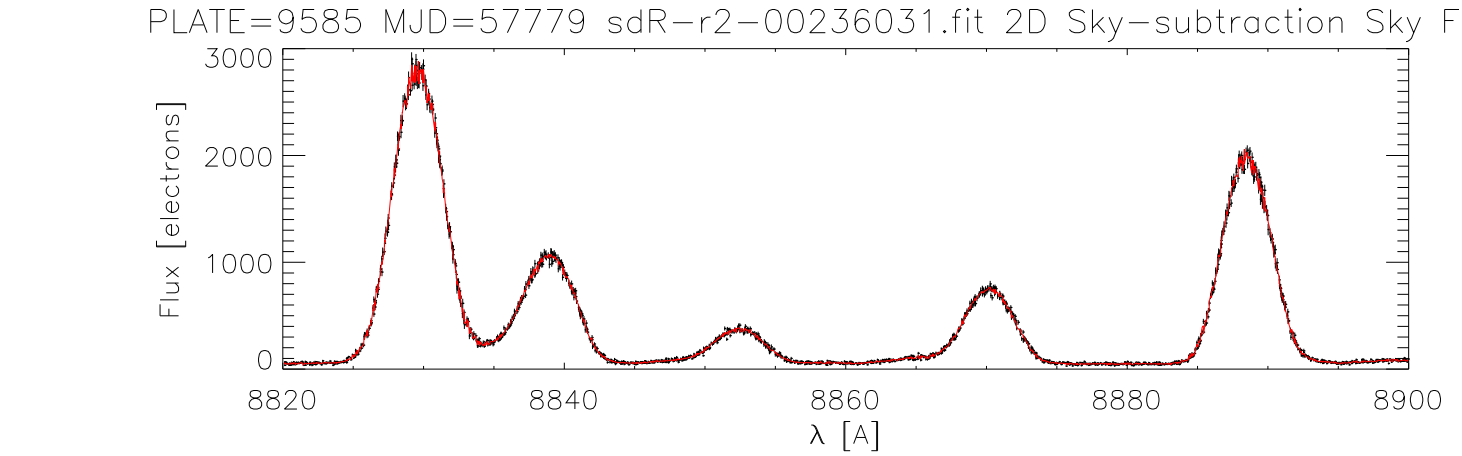

PLATE=9585 MJD=57779 sdR-r2-00236031.fit 1D Sky-subtraction Sky Fibers
Flux [electrons]
3000
2000
1000
0
8820
8840
8860
8880
8900
λ [A]

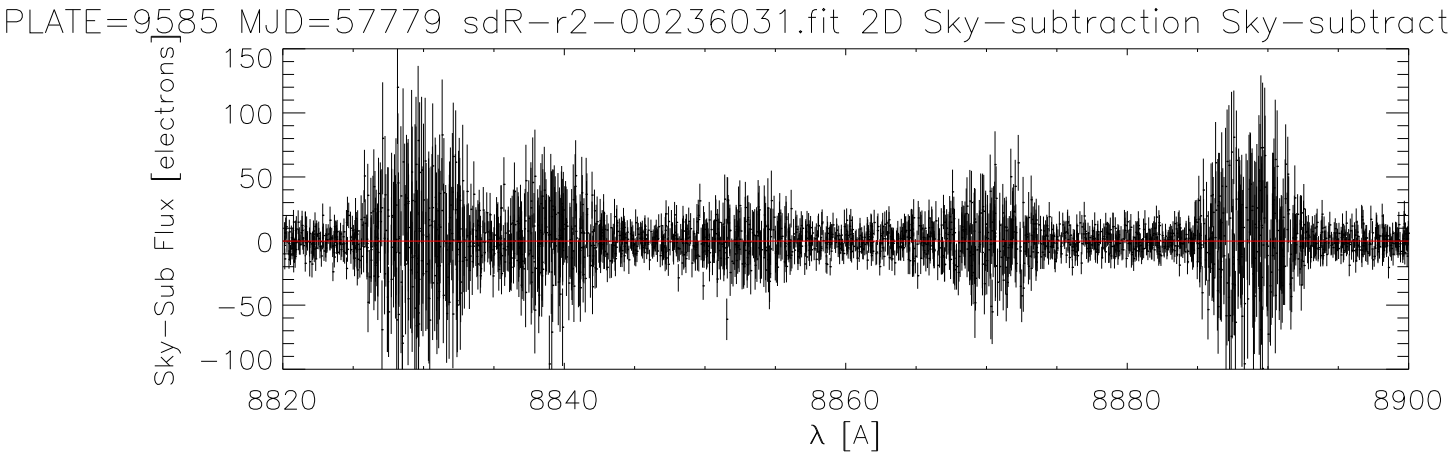

PLATE=9585 MJD=57779 sdR-r2-00236031.fit 1D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
200
100
0
-100
-200
8820
8840
8860
8880
8900
λ [A]

Number of sky fibers = 36

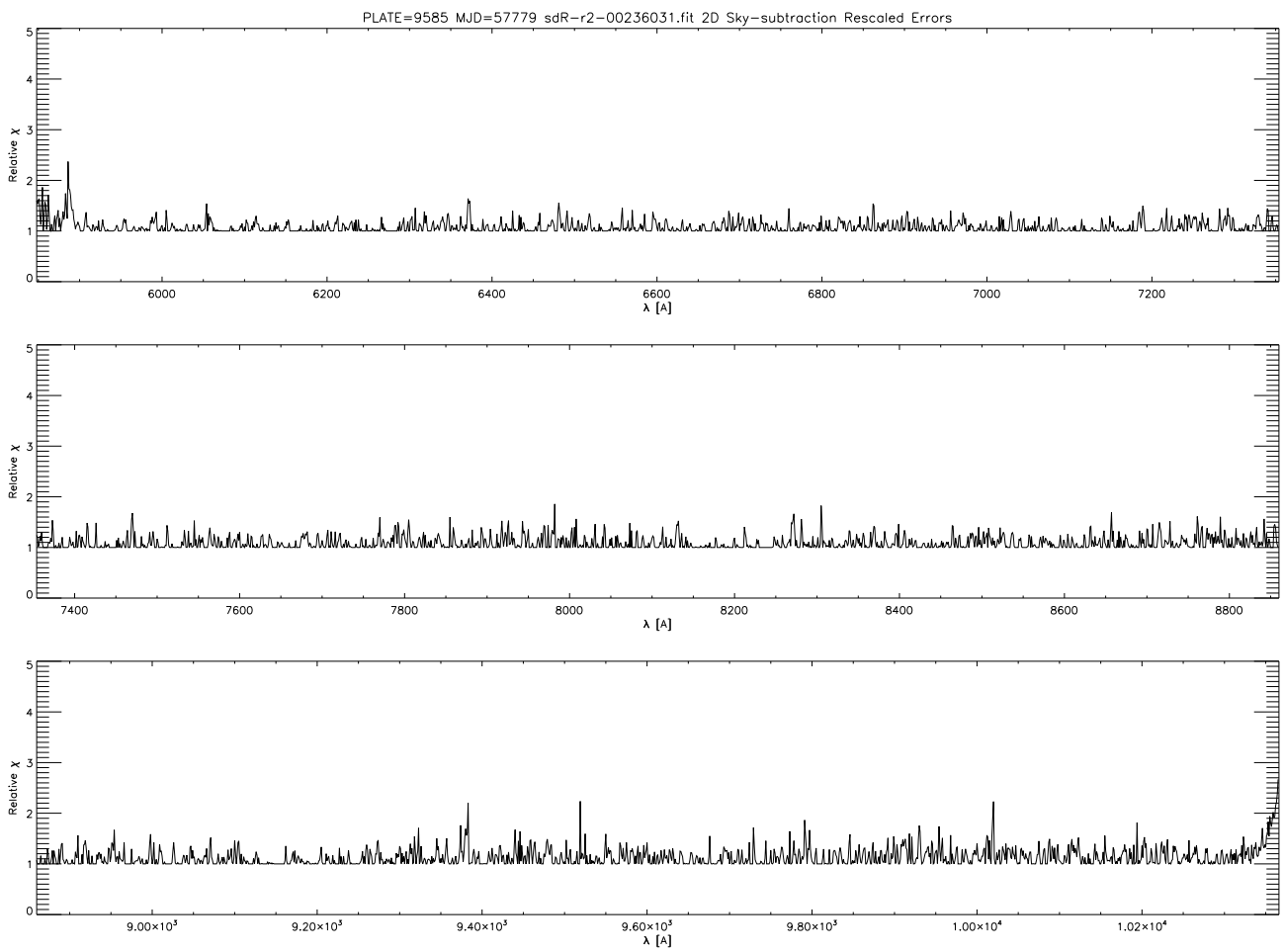


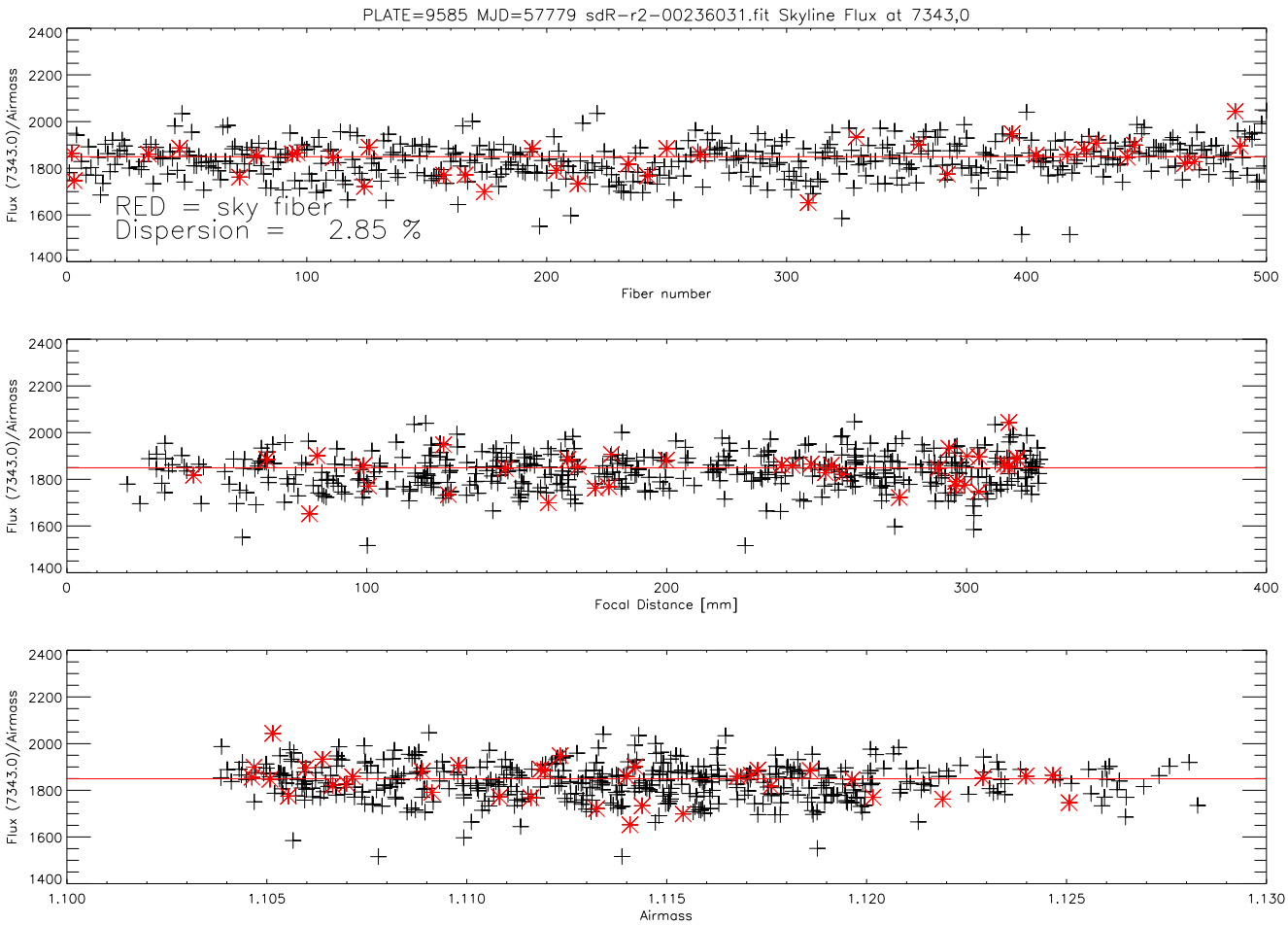

PLATE=9585 MJD=57779 sdR-r2-00236031.fit 2D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

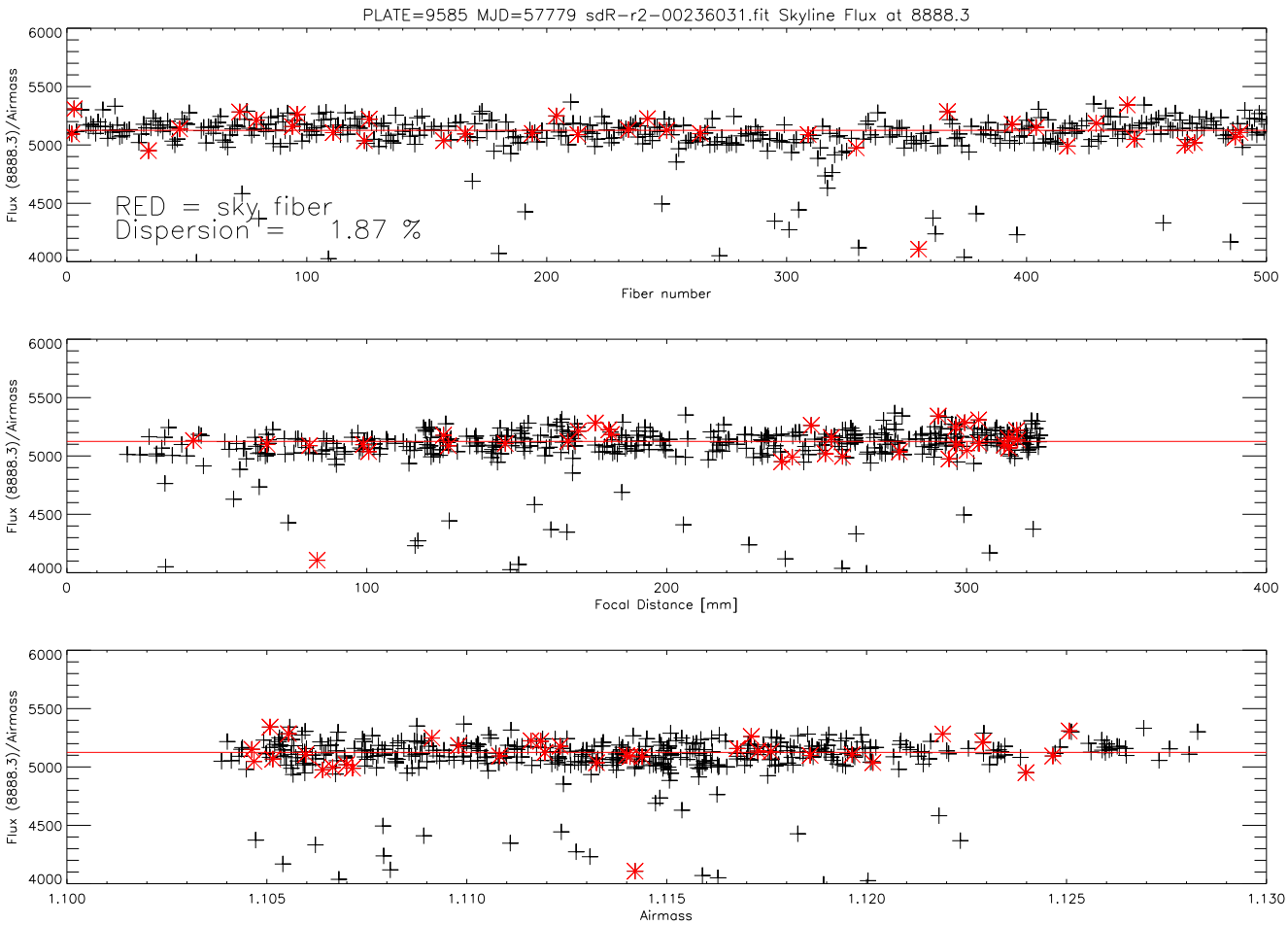

PLATE=9585 MJD=57779 sdR-r2-00236031.fit 2D Sky-subtraction Sky Fibers
Flux [electrons]
3000
2000
1000
0
8820
8840
8860
8880
8900
λ [A]


PLATE=9585 MJD=57779 sdR-r2-00236031.fit 2D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
150
100
50
0
−50
−100
8820
8840
8860
8880
8900
λ [A]

Number of sky fibers = 36




PLATE=9585 MJD=57779 sdR-r2-00236031.fit Skyline Flux at 7343.0
RED = sky fiber
Dispersion = 2.85 %
Flux (7343.0)/Airmass
Fiber number
Flux (7343.0)/Airmass
Focal Distance [mm]
Flux (7343.0)/Airmass
Airmass


PLATE=9585 MJD=57779 sdR-r2-00236031.fit Skyline Flux at 8888.3
Flux (8888.3)/Airmass
RED = sky fiber
Dispersion = 1.87 %
Fiber number
Focal Distance [mm]
Airmass