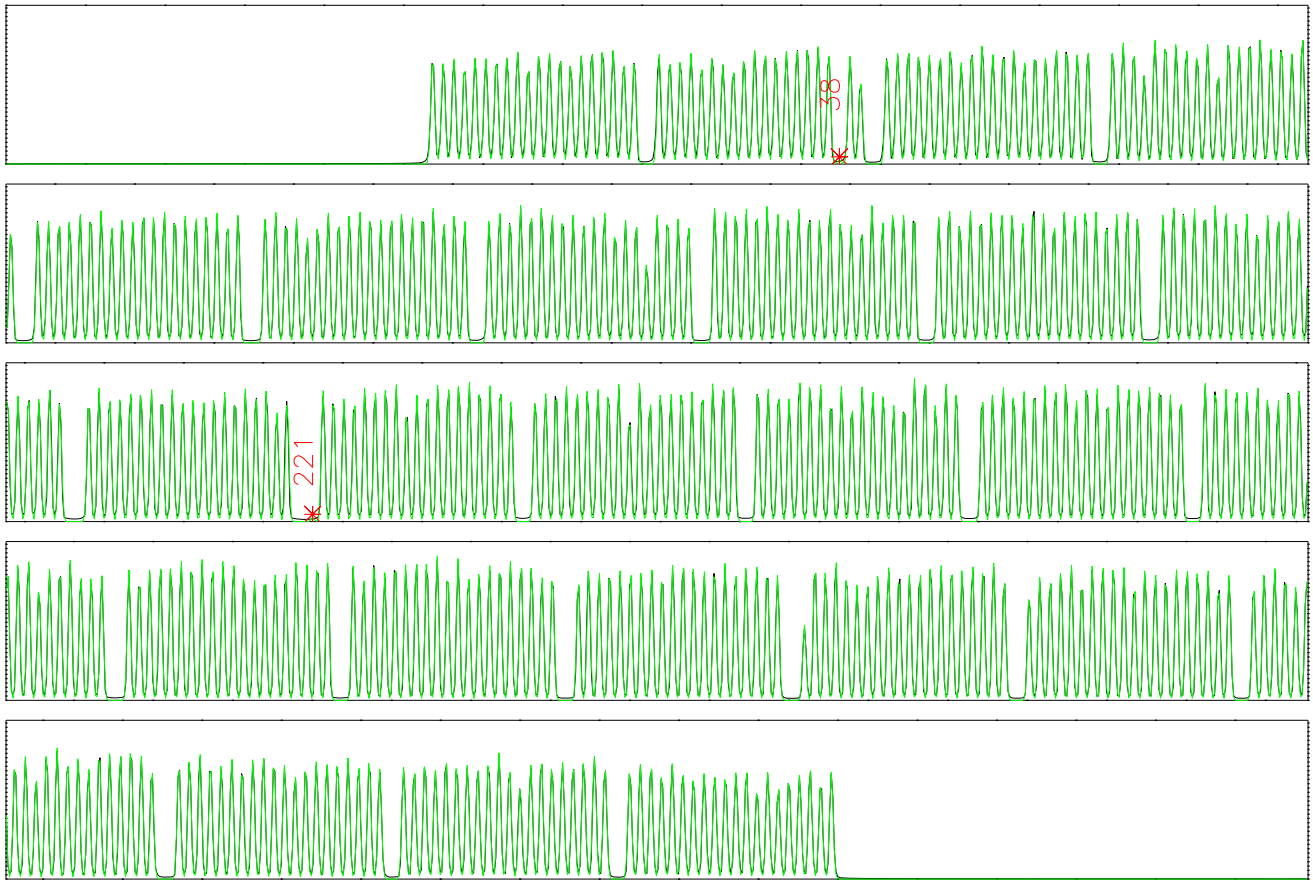
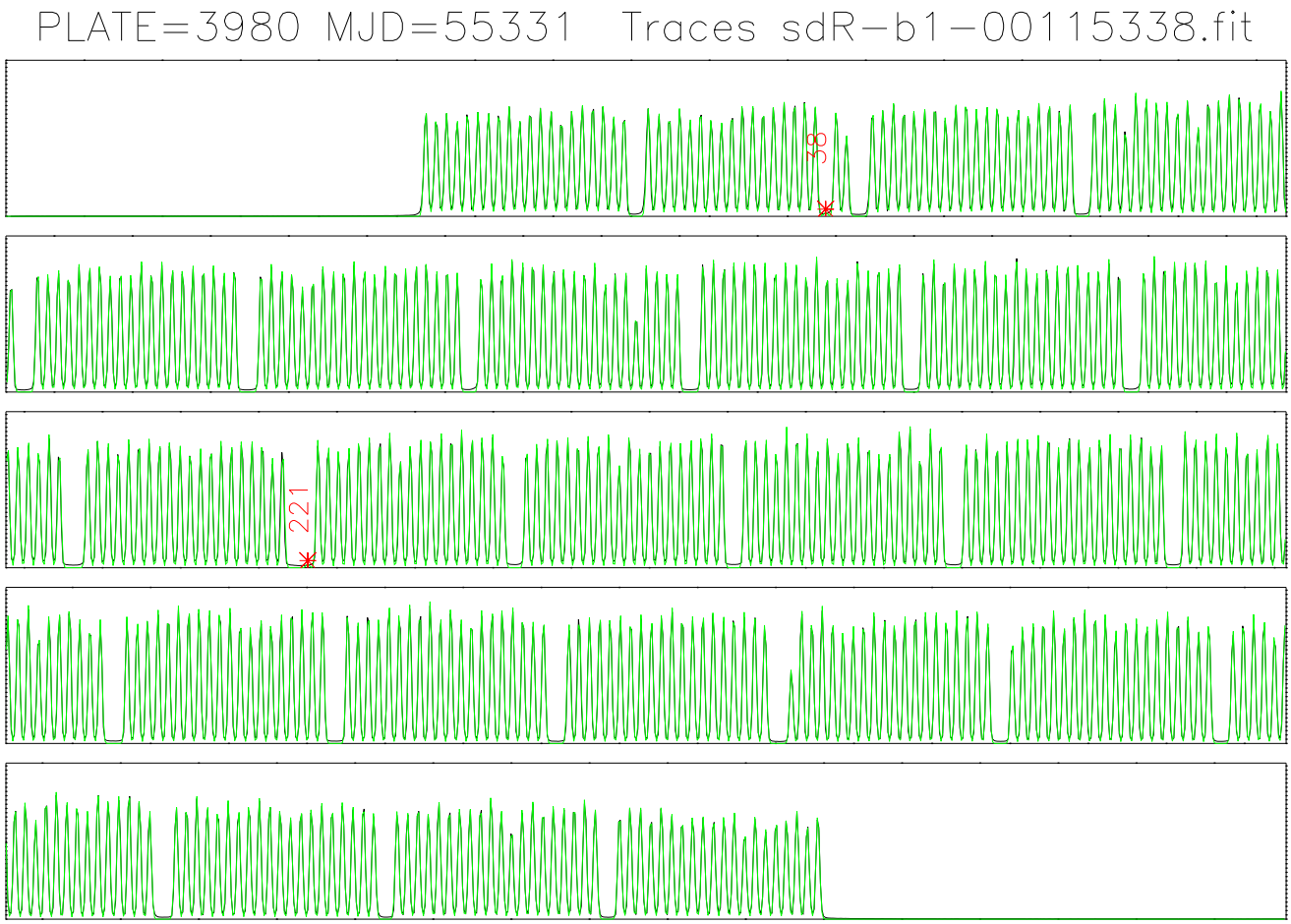
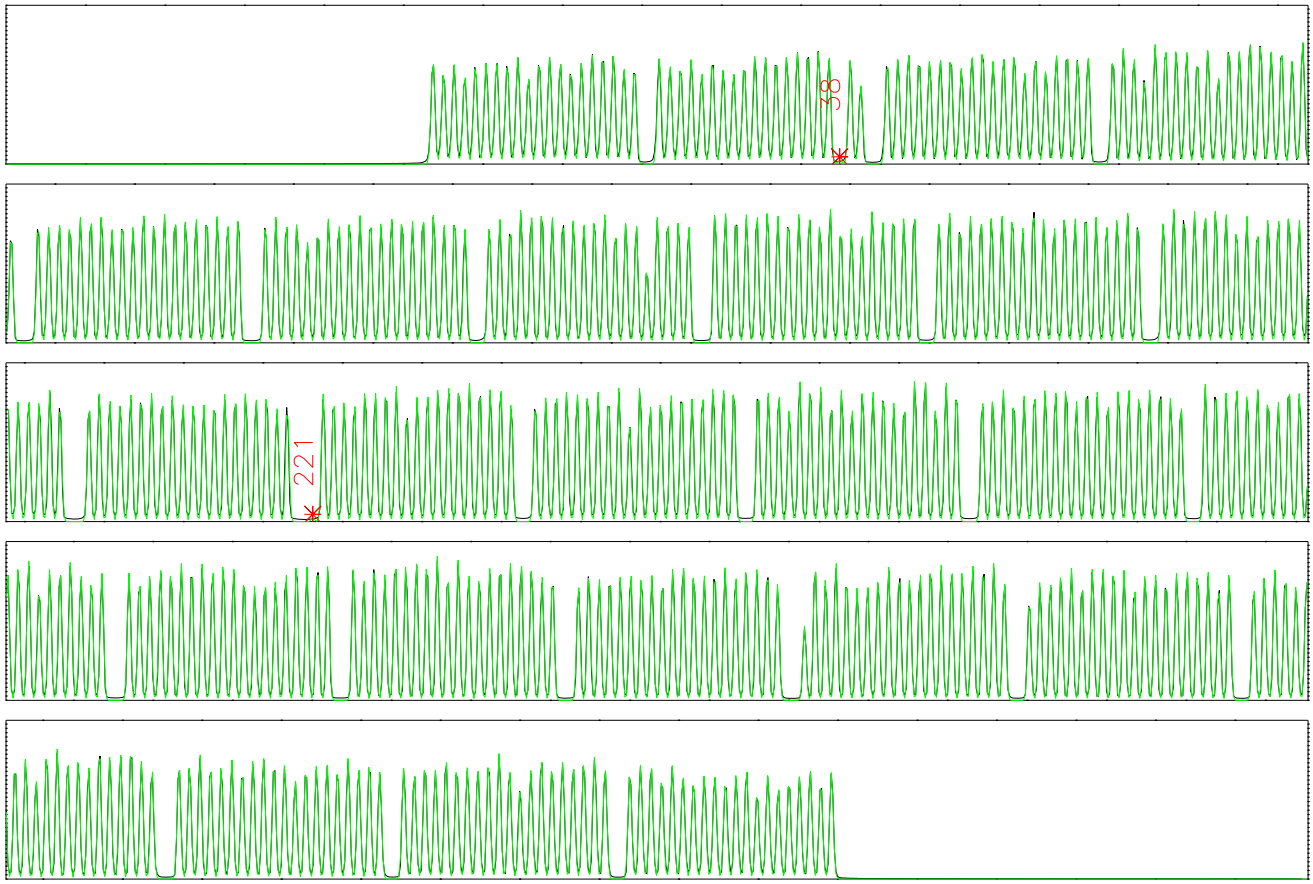
PLATE=3980 MJD=55331 Traces sdR-b1-00115334.fit

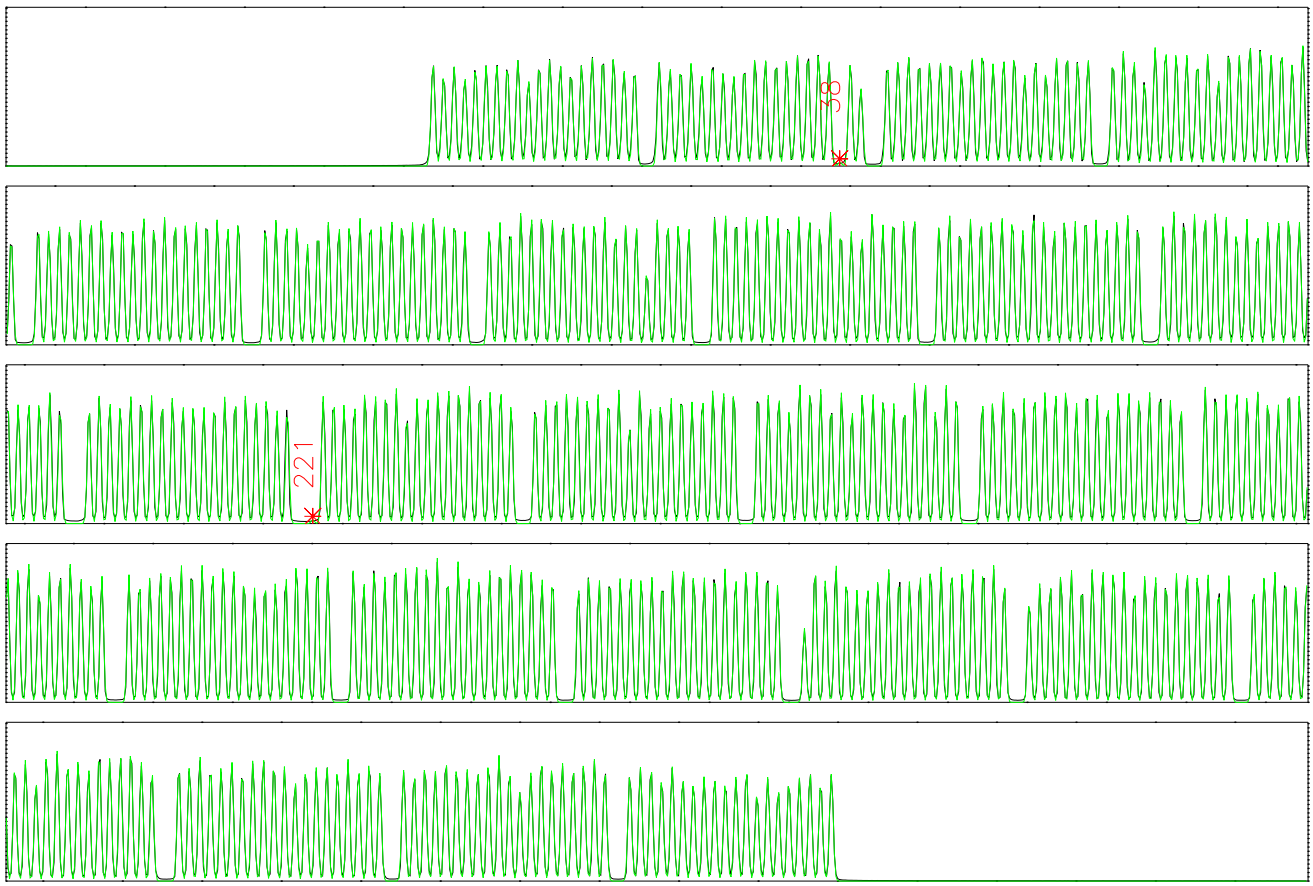


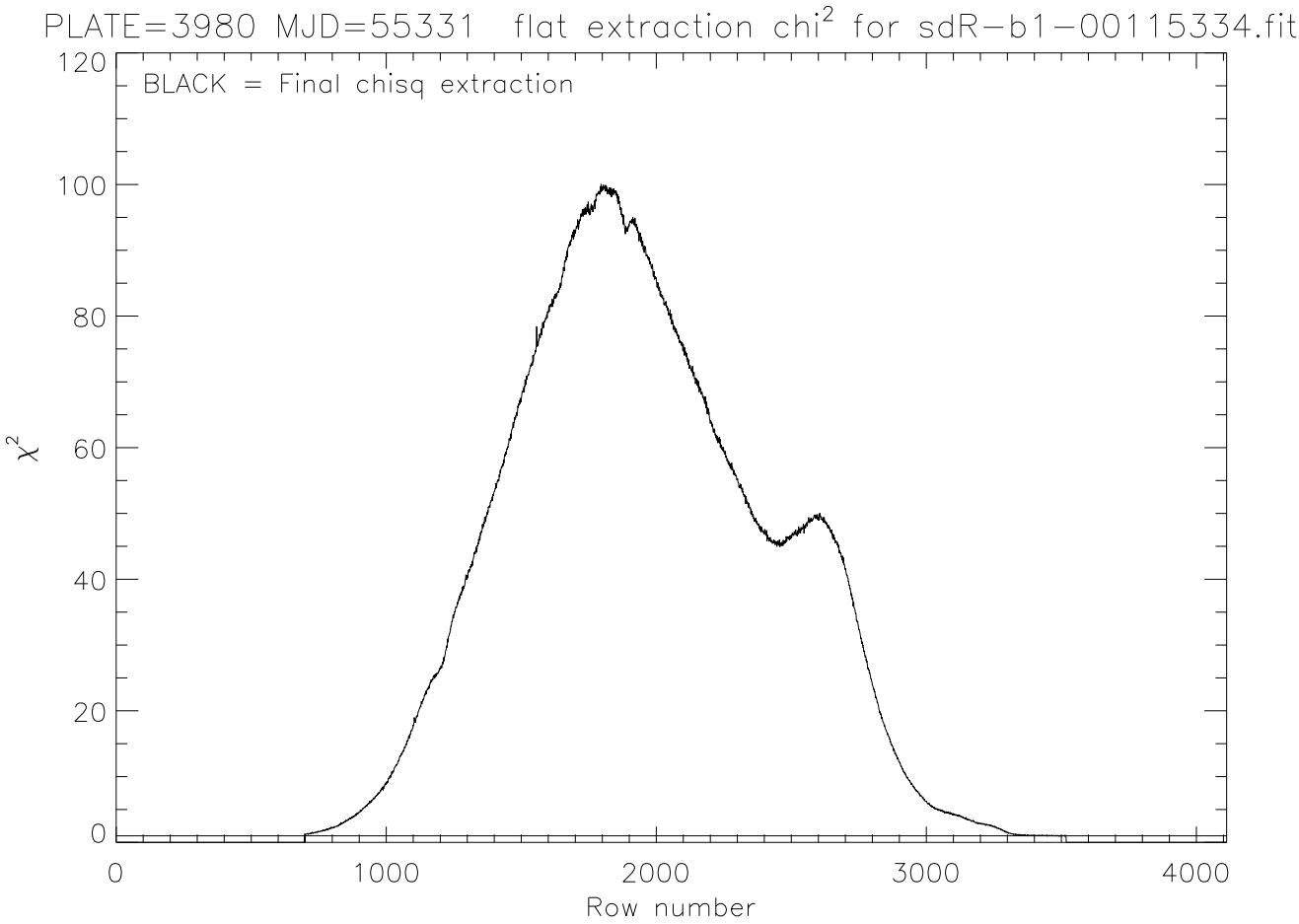

PLATE=3980 MJD=55331 Traces sdR-b1-00115338.fit
39
221

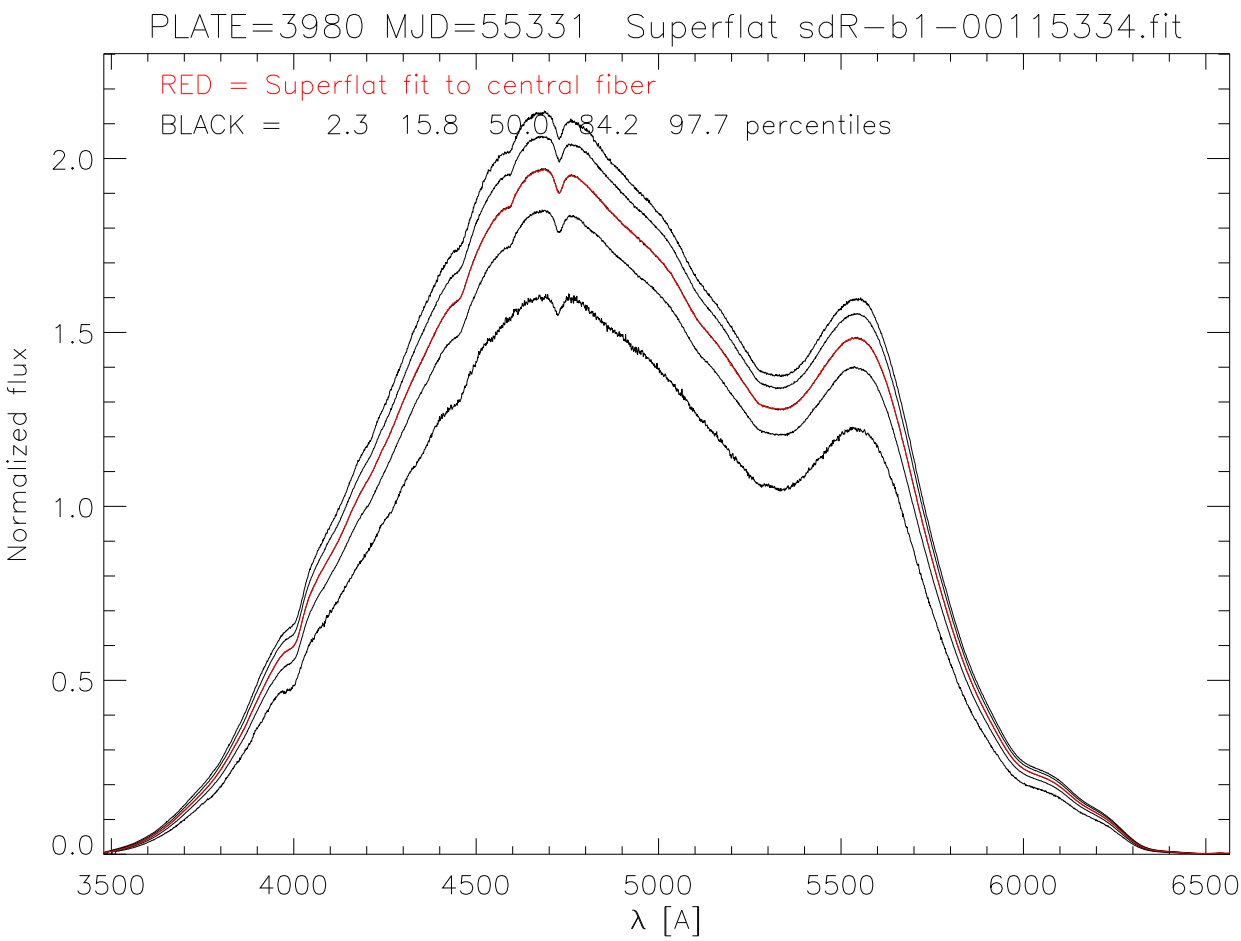
PLATE=3980 MJD=55331 Traces sdR-b1-00115342.fit

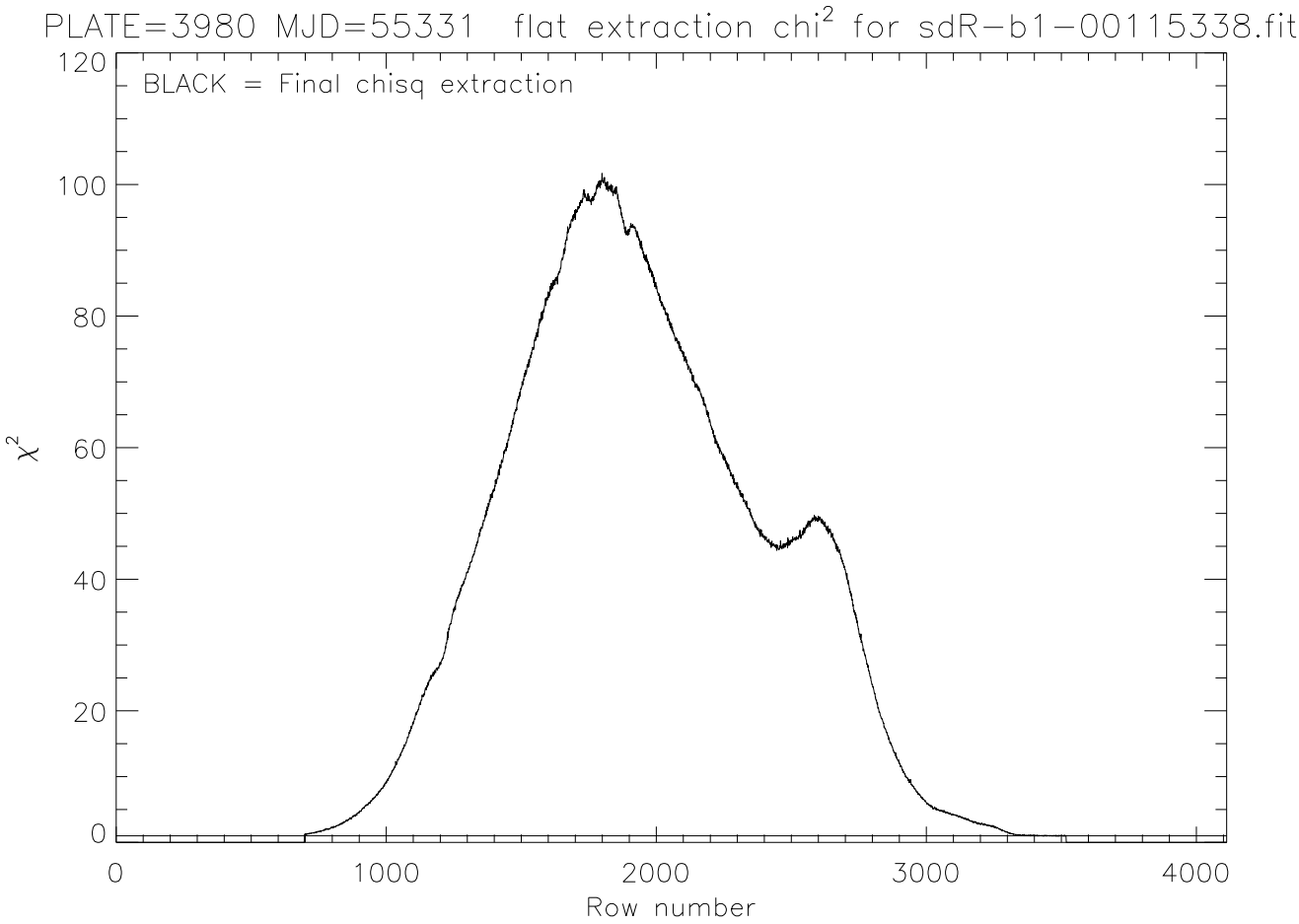


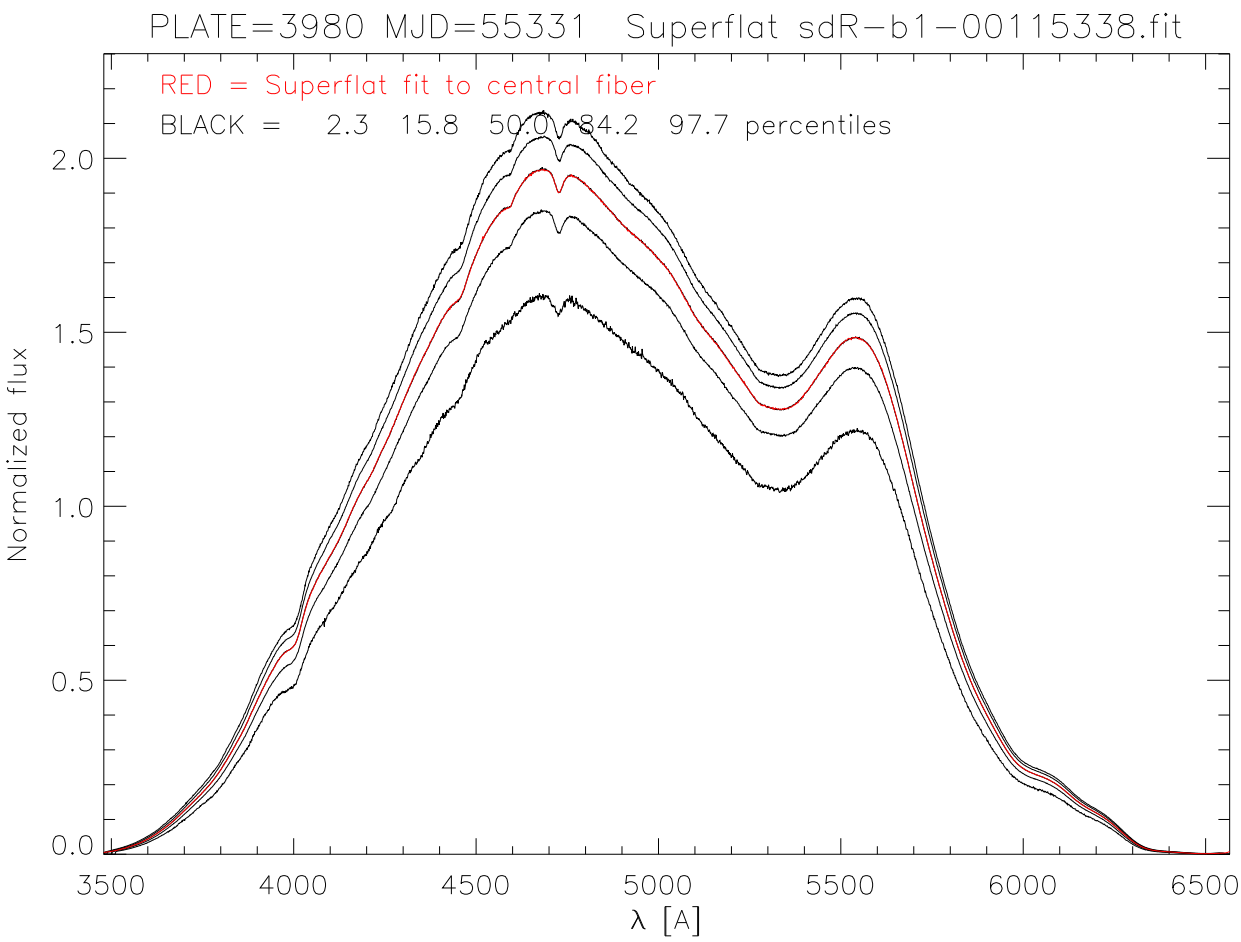
PLATE=3980 MJD=55331 Traces sdR-b1-00115347.fit

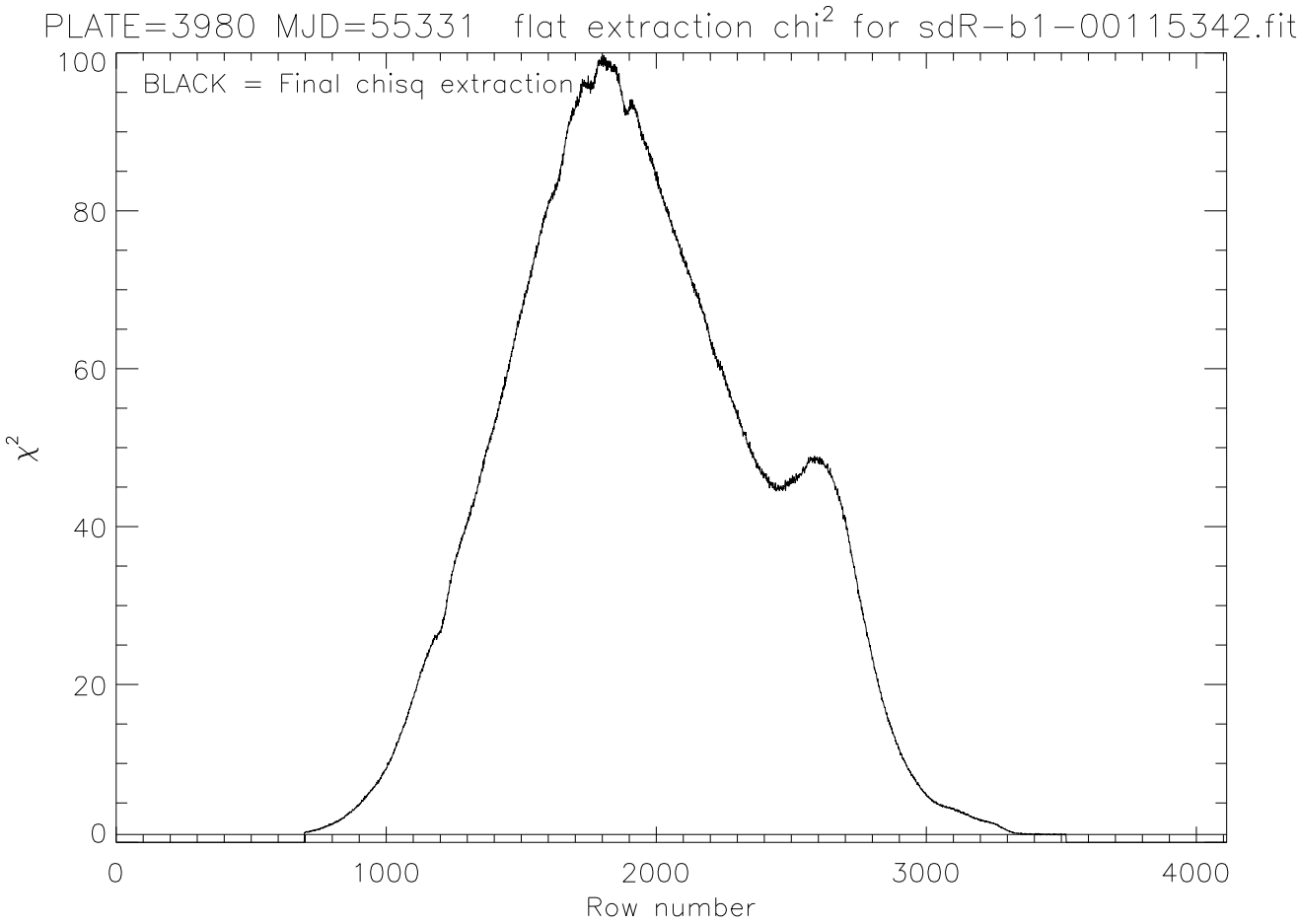


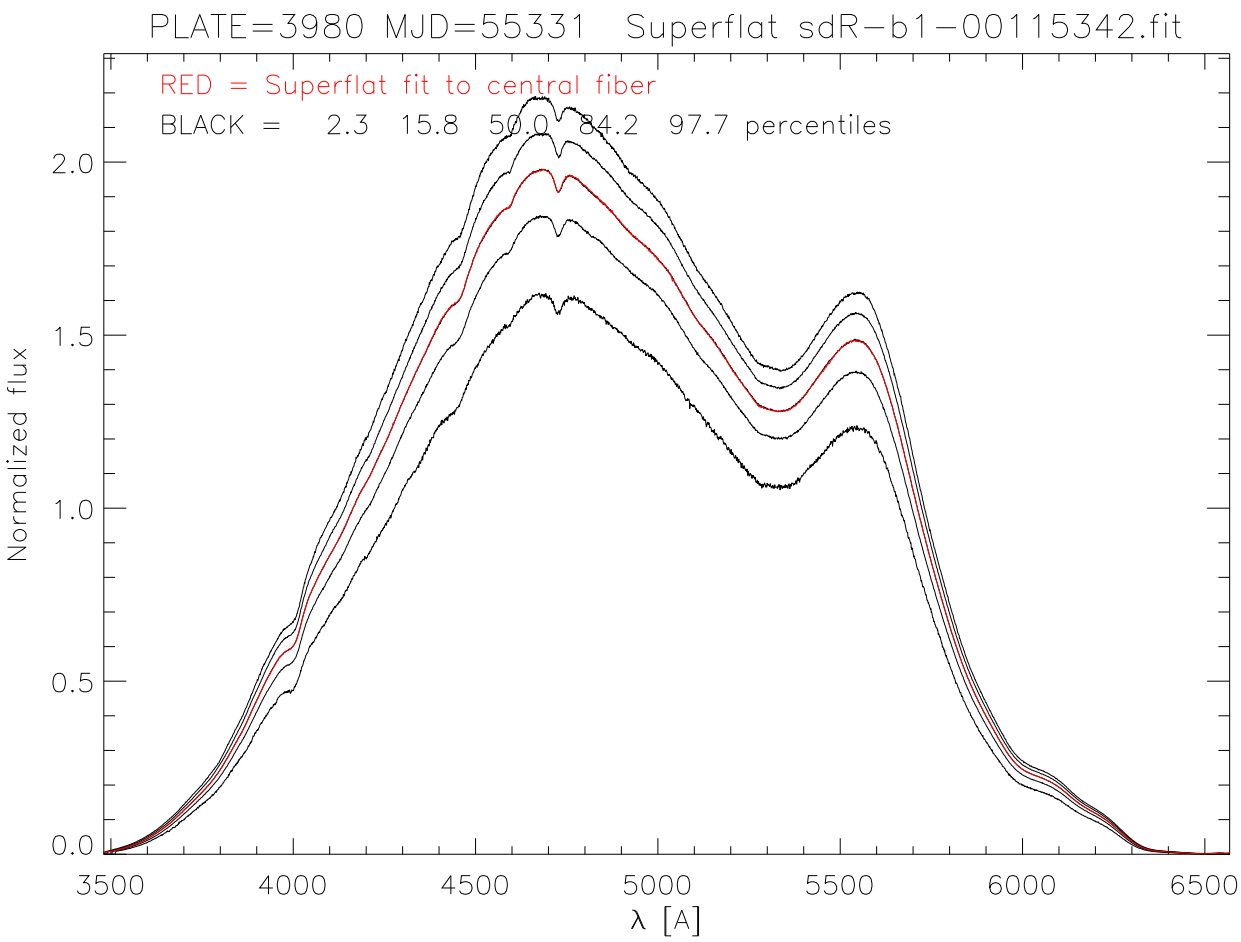

PLATE=3980 MJD=55331 flat extraction chi^2 for sdR−b1−00115334.fit
BLACK = Final chisq extraction
χ^2
Row number
0
20
40
60
80
100
120
0
1000
2000
3000
4000

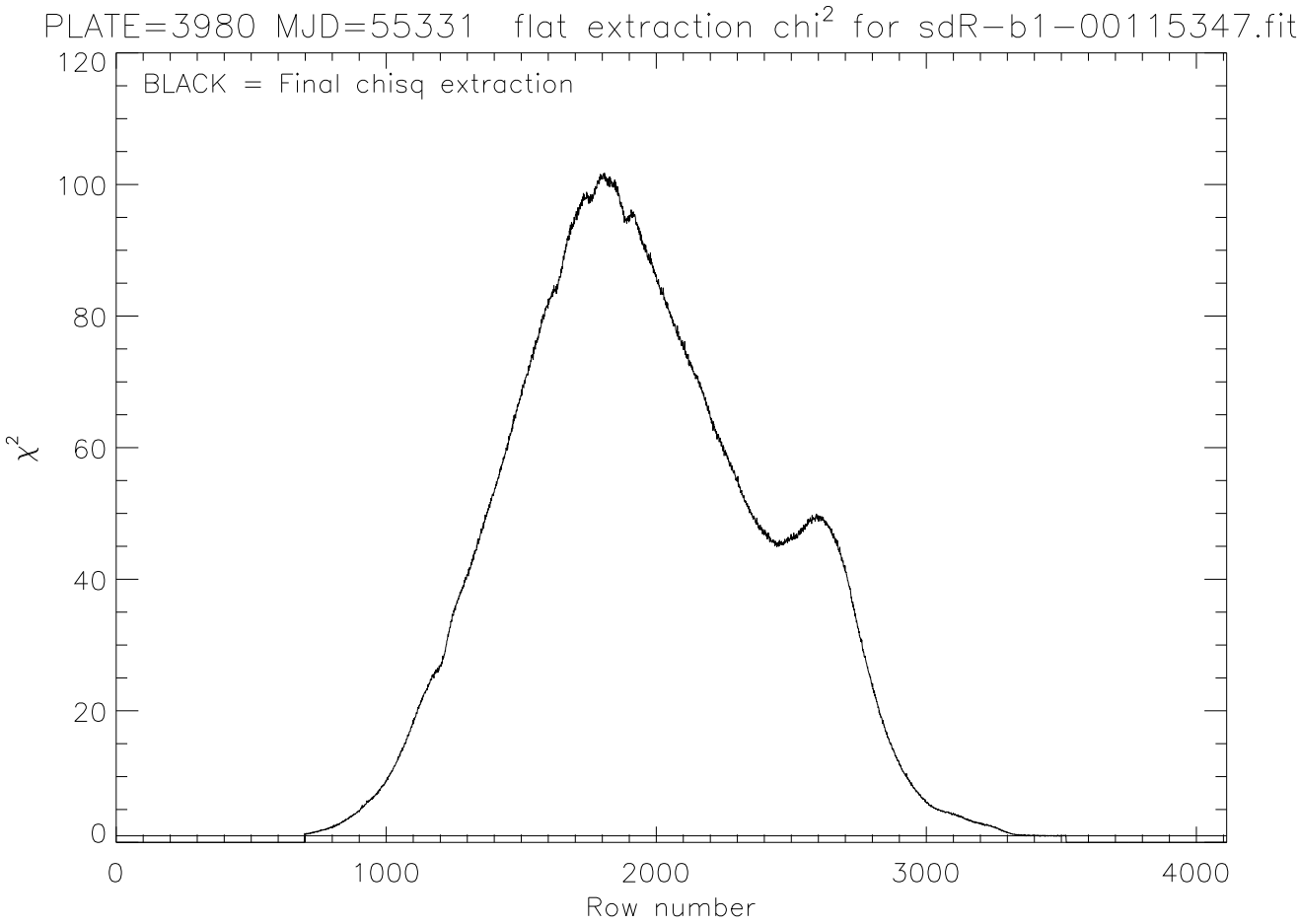

PLATE=3980 MJD=55331 Superflat sdR-b1-00115334.fit
RED = Superflat fit to central fiber
BLACK = 2.3 15.8 50.0 84.2 97.7 percentiles
Normalized flux
0.0
0.5
1.0
1.5
2.0
3500
4000
4500
5000
5500
6000
6500
λ [A]

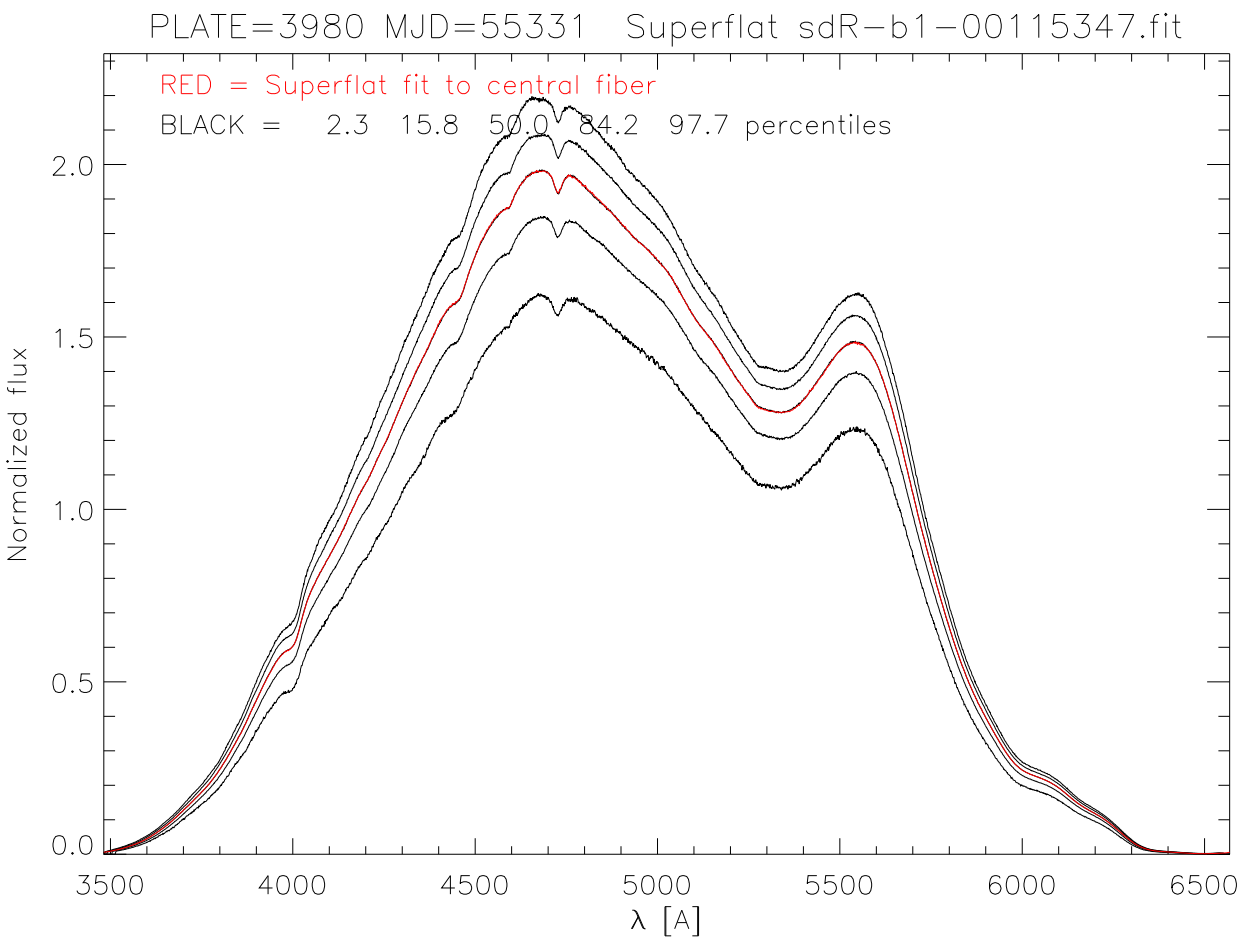

PLATE=3980 MJD=55331 flat extraction chi^2 for sdR−b1−00115338.fit
BLACK = Final chisq extraction
χ^2
Row number
0
20
40
60
80
100
120
0
1000
2000
3000
4000

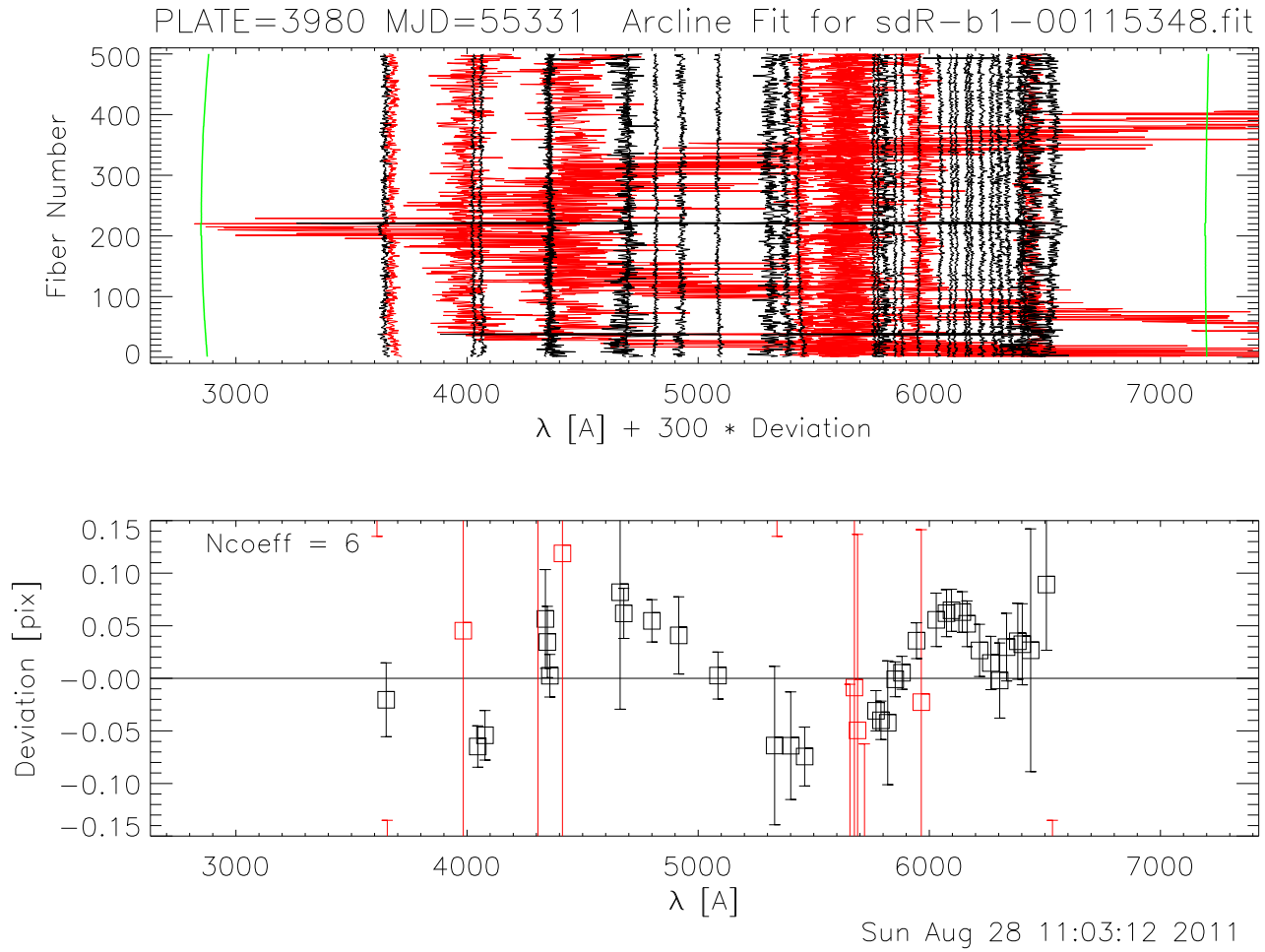

PLATE=3980 MJD=55331 Superflat sdR-b1-00115338.fit
RED = Superflat fit to central fiber
BLACK = 2.3 15.8 50.0 84.2 97.7 percentiles
Normalized flux
0.0
0.5
1.0
1.5
2.0
3500
4000
4500
5000
5500
6000
6500
λ [A]

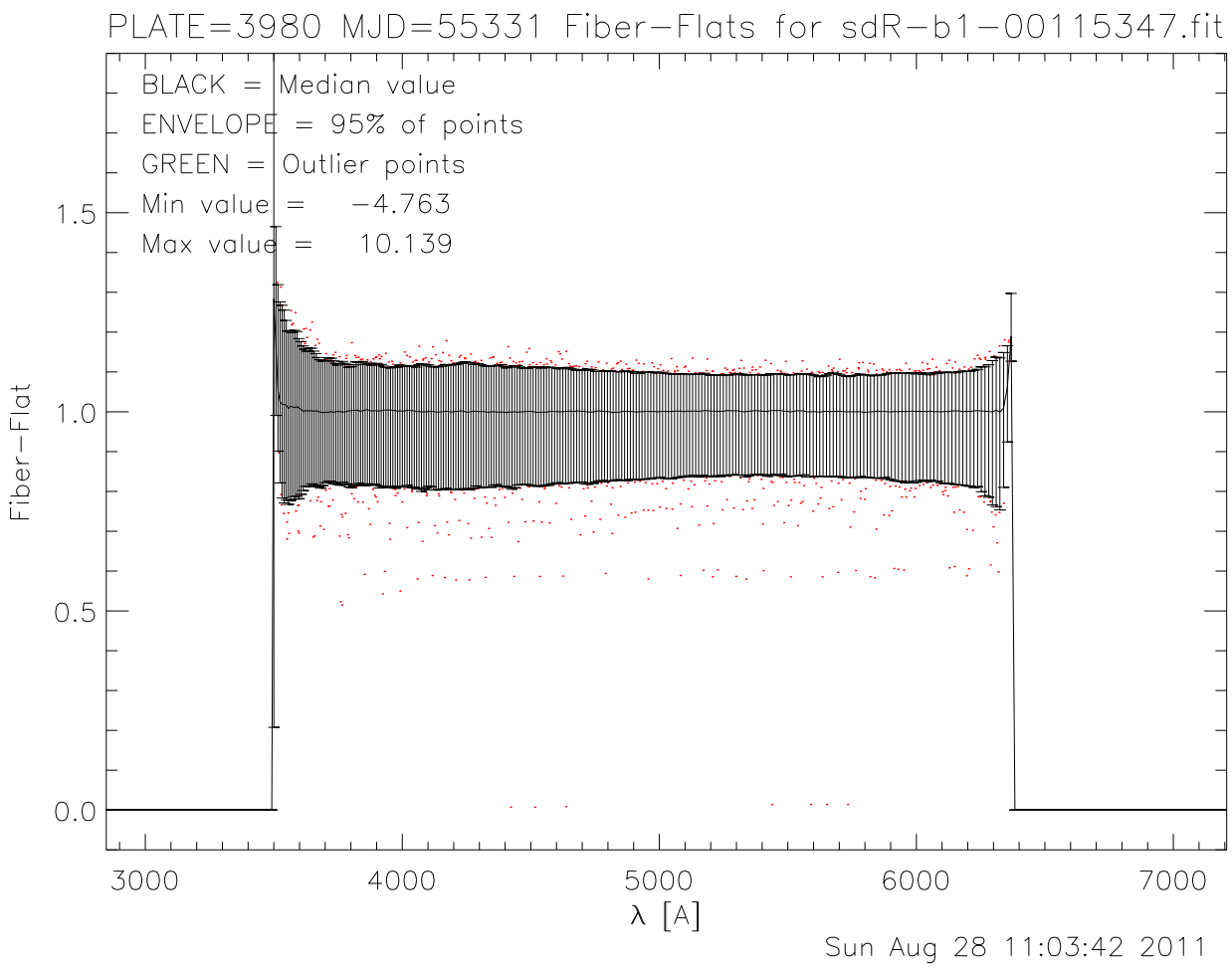

PLATE=3980 MJD=55331 flat extraction chi^2 for sdR−b1−00115342.fit
BLACK = Final chisq extraction
χ^2
Row number
0
20
40
60
80
100
0
1000
2000
3000
4000

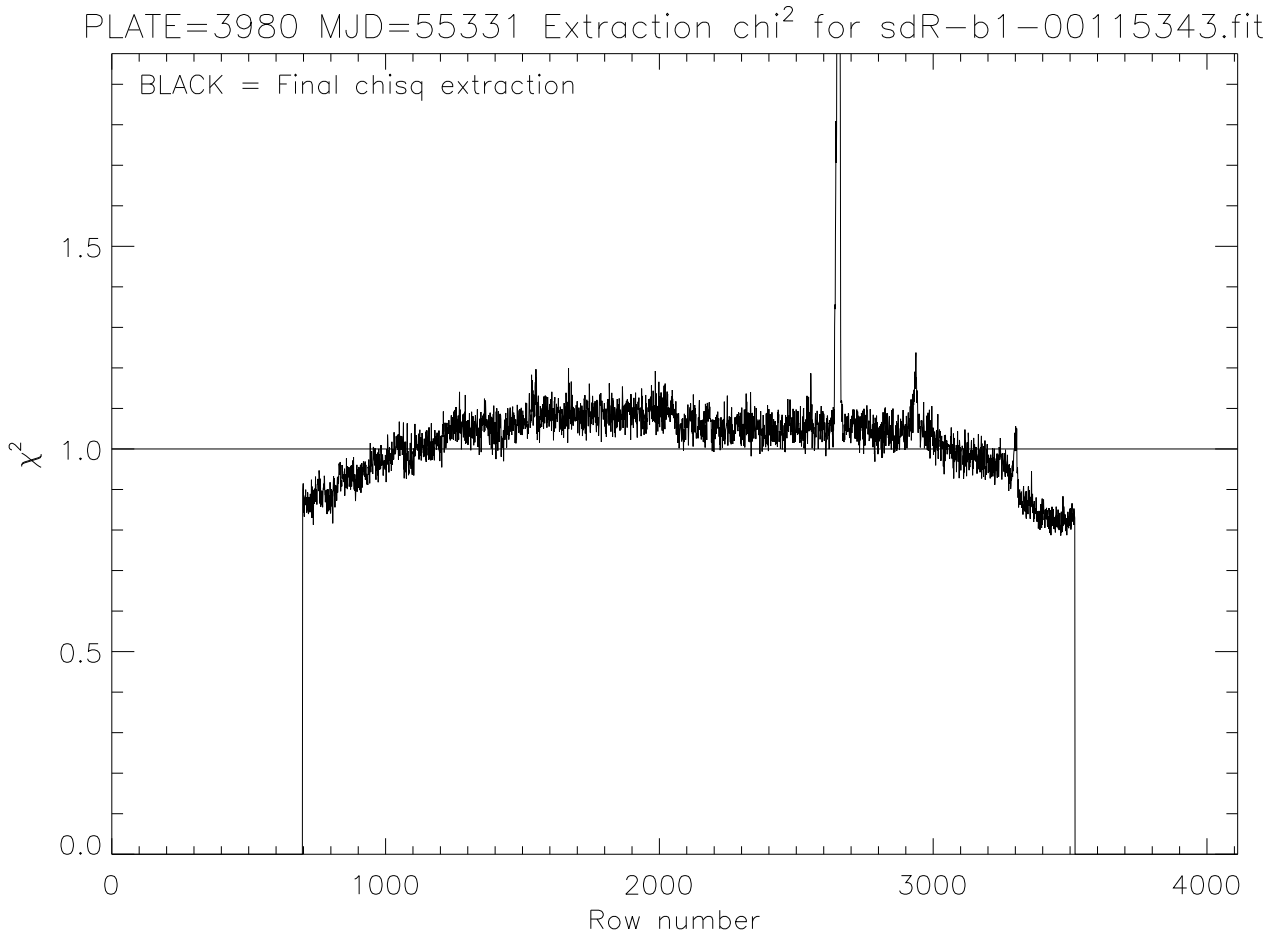

PLATE=3980 MJD=55331 Superflat sdR-b1-00115342.fit
RED = Superflat fit to central fiber
BLACK = 2.3 15.8 50.0 84.2 97.7 percentiles
Normalized flux
0.0
0.5
1.0
1.5
2.0
3500
4000
4500
5000
5500
6000
6500
λ [A]

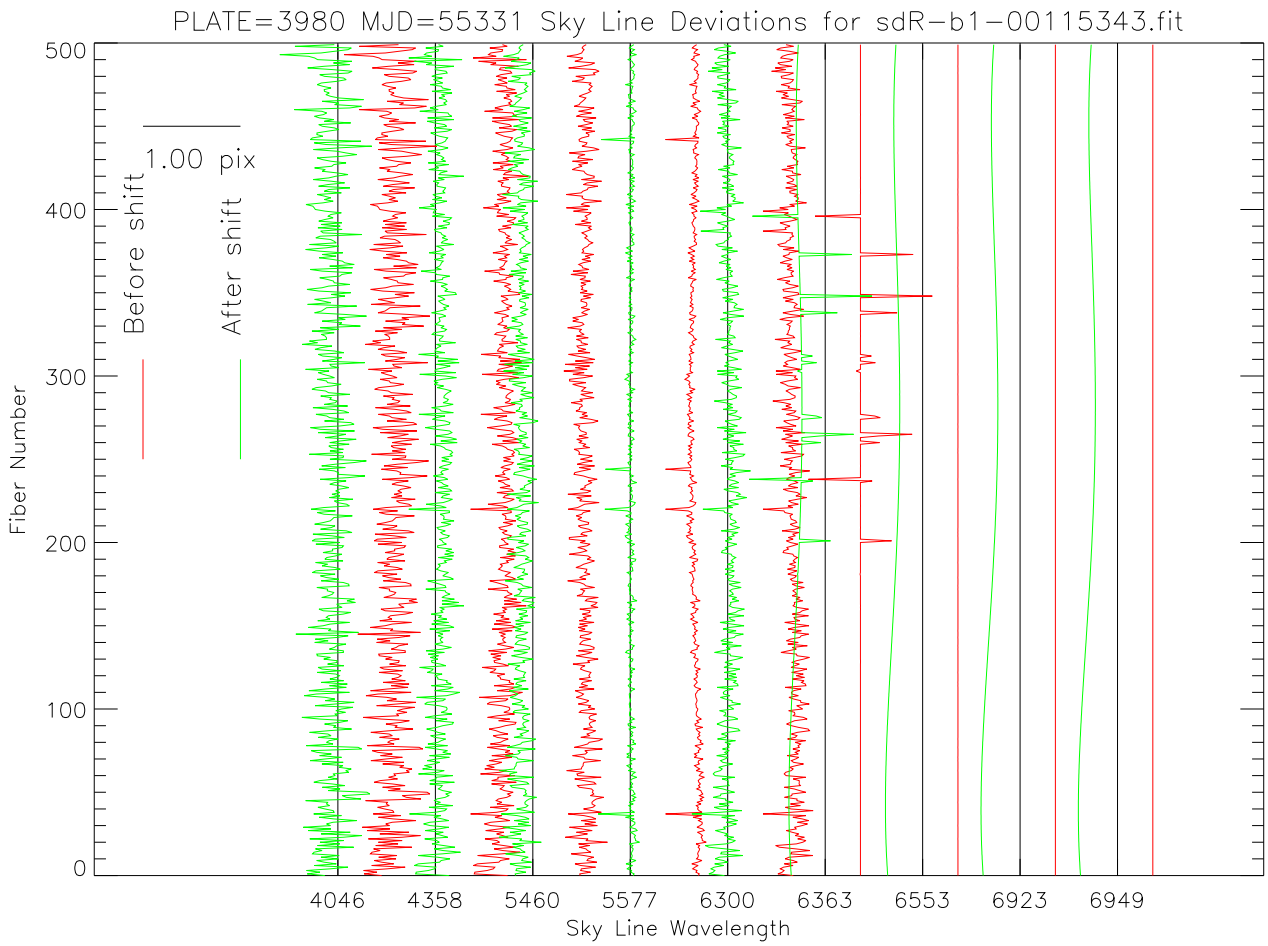

PLATE=3980 MJD=55331 flat extraction chi^2 for sdR−b1−00115347.fit
BLACK = Final chisq extraction
χ^2
Row number
0
20
40
60
80
100
120
0
1000
2000
3000
4000

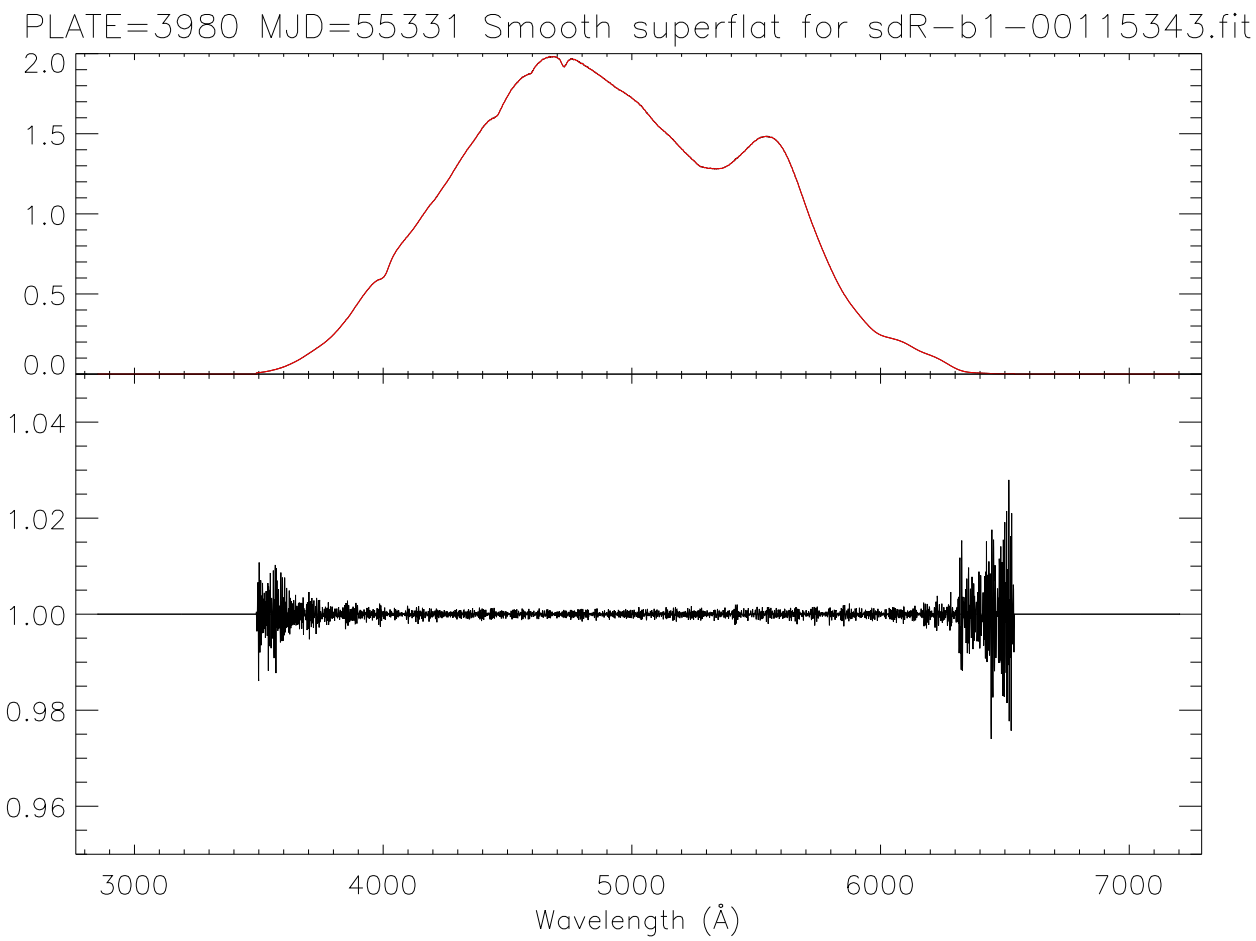

PLATE=3980 MJD=55331 Superflat sdR-b1-00115347.fit
RED = Superflat fit to central fiber
BLACK = 2.3 15.8 50.0 84.2 97.7 percentiles
Normalized flux
0.0
0.5
1.0
1.5
2.0
3500
4000
4500
5000
5500
6000
6500
λ [A]

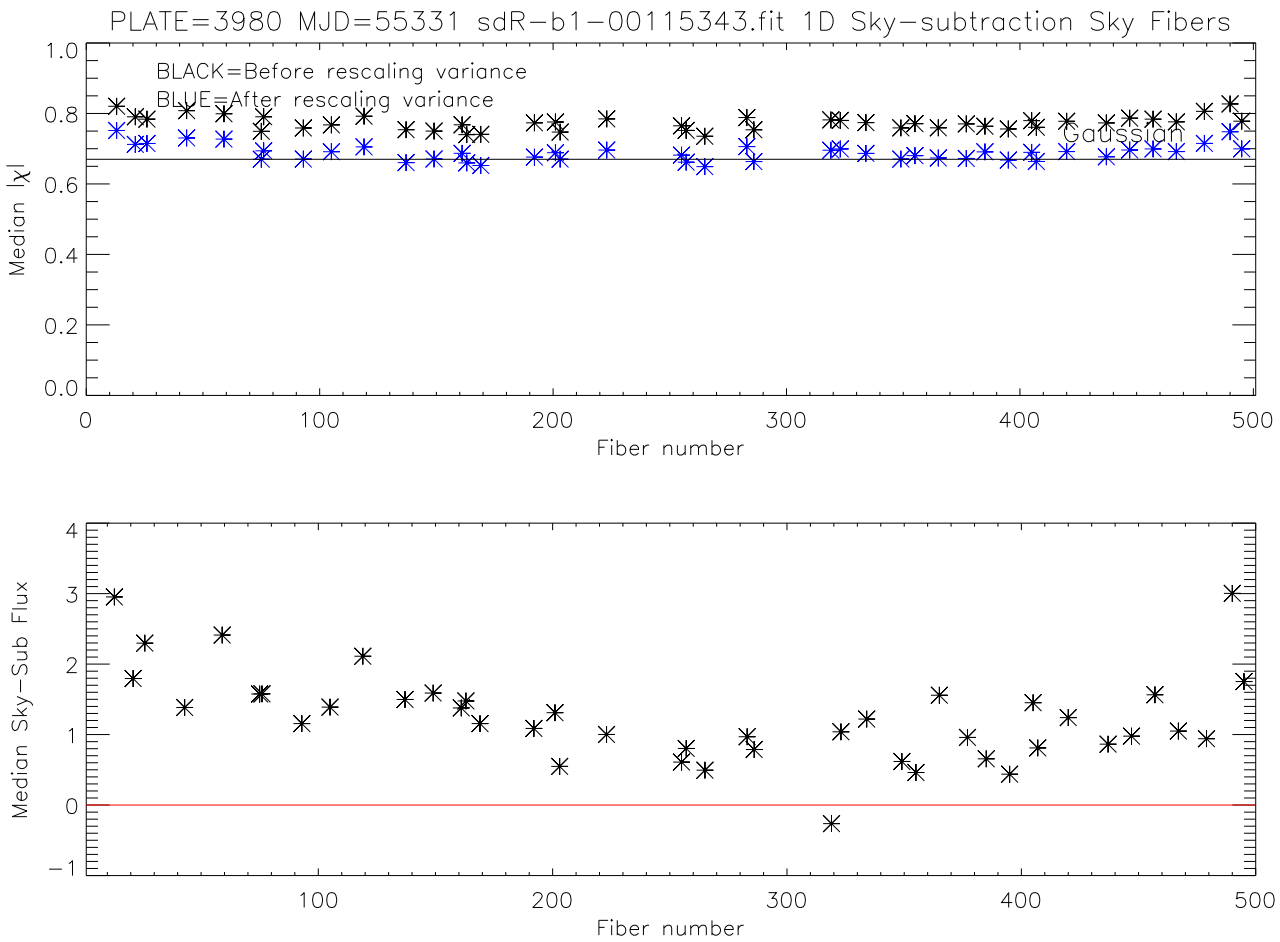

PLATE=3980 MJD=55331 Arcline Fit for sdR-b1-00115348.fit
Fiber Number
500
400
300
200
100
0
3000
4000
5000
6000
7000
λ [A] + 300 * Deviation
Ncoeff = 6
Deviation [pix]
0.15
0.10
0.05
−0.00
−0.05
−0.10
−0.15
3000
4000
5000
6000
7000
λ [A]
Sun Aug 28 11:03:12 2011

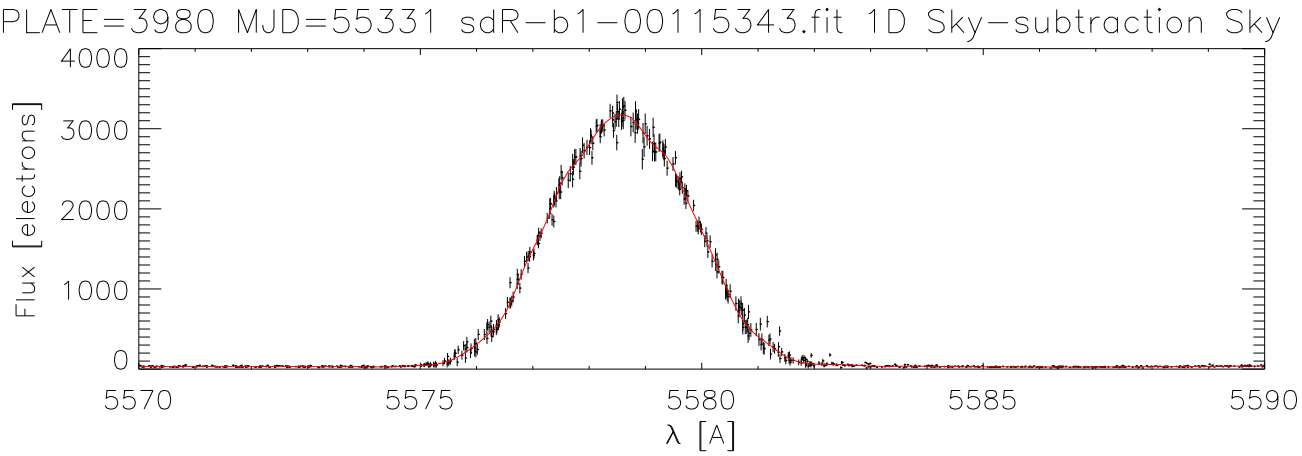

PLATE=3980 MJD=55331 Fiber−Flats for sdR−b1−00115347.fit
BLACK = Median value
ENVELOPE = 95% of points
GREEN = Outlier points
Min value = −4.763
Max value = 10.139
Fiber−Flat
1.5
1.0
0.5
0.0
3000
4000
5000
6000
7000
λ [A]
Sun Aug 28 11:03:42 2011

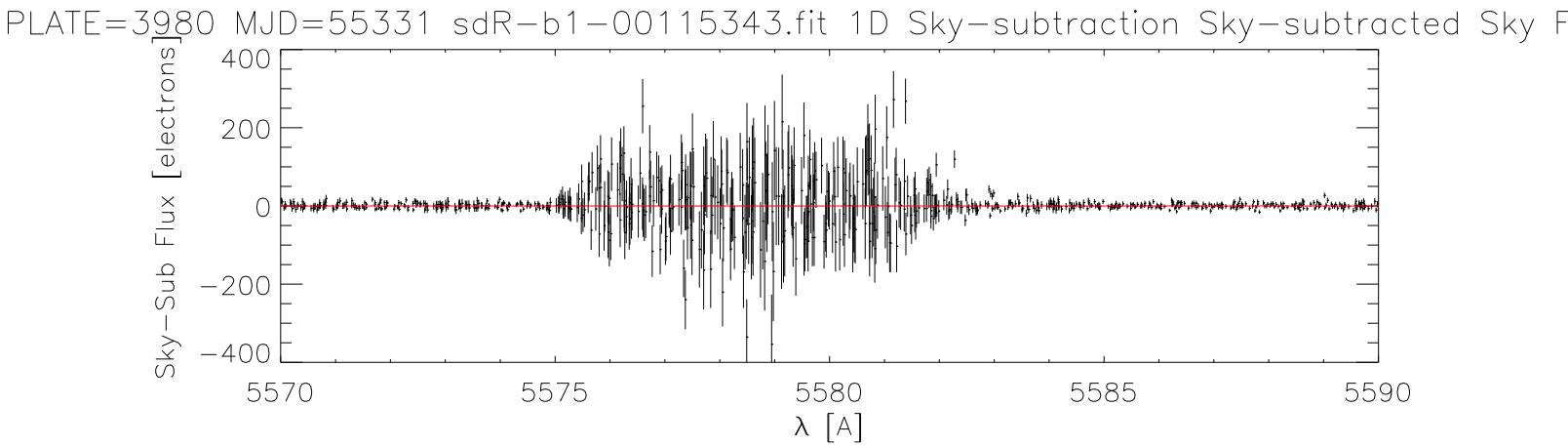

PLATE=3980 MJD=55331 Extraction chi^2 for sdR−b1−00115343.fit
BLACK = Final chisq extraction
χ^2
0.0
0.5
1.0
1.5
0
1000
2000
3000
4000
Row number


PLATE=3980 MJD=55331 Sky Line Deviations for sdR-b1-00115343.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

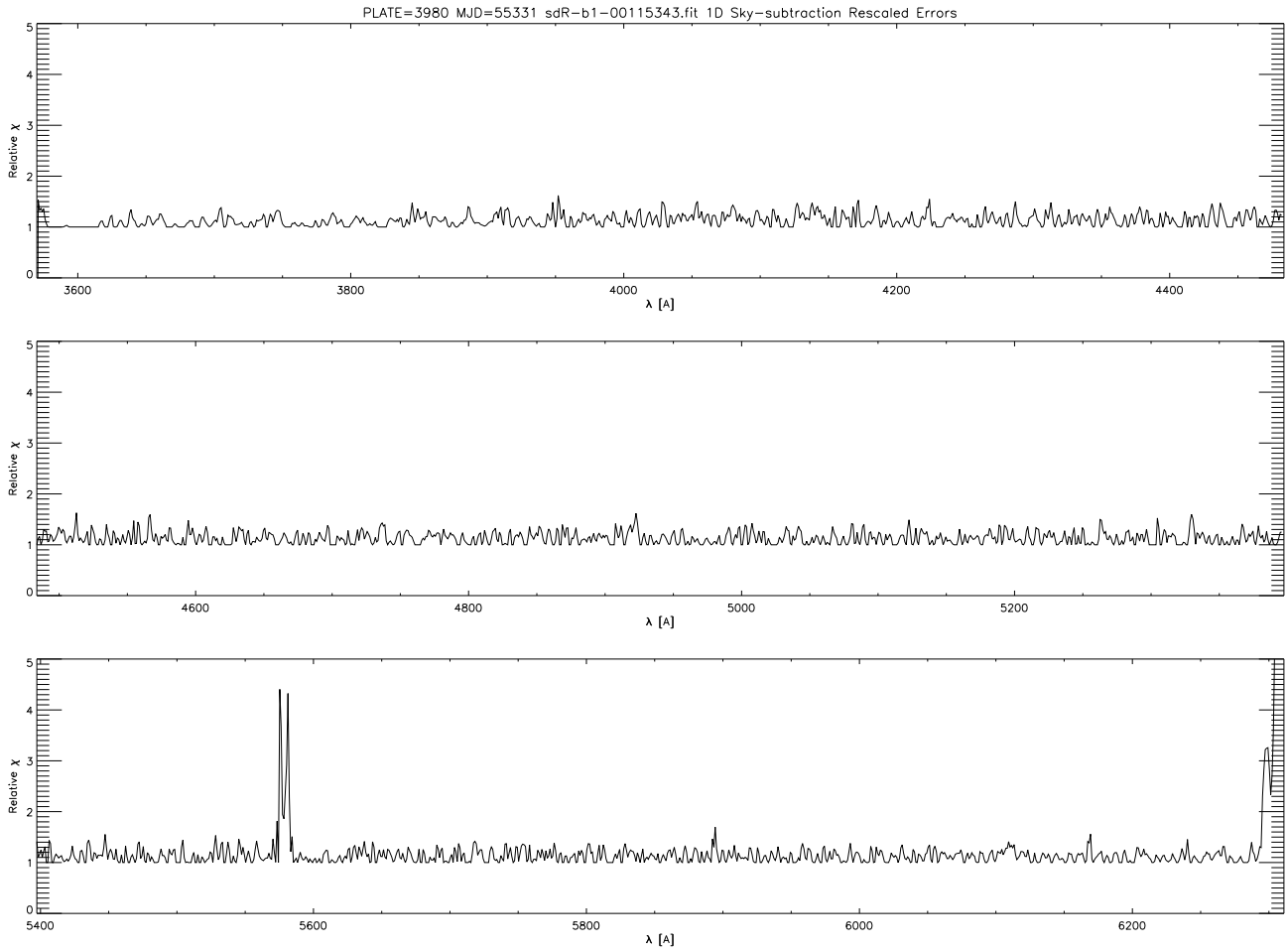

PLATE=3980 MJD=55331 Smooth superflat for sdR-b1-00115343.fit
2.0
1.5
1.0
0.5
0.0
1.04
1.02
1.00
0.98
0.96
3000
4000
5000
6000
7000
Wavelength (Å)

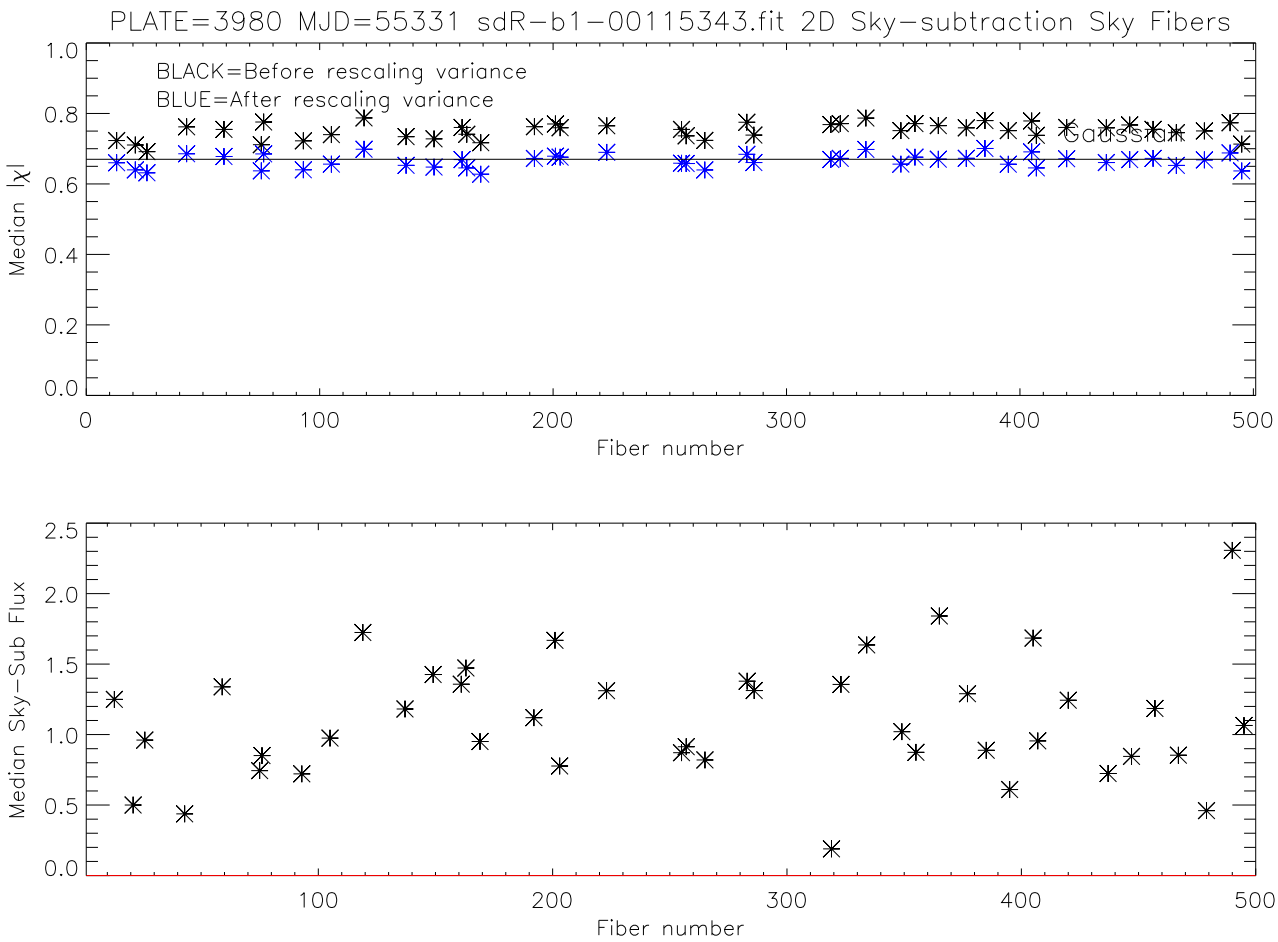

PLATE=3980 MJD=55331 sdR-b1-00115343.fit 1D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

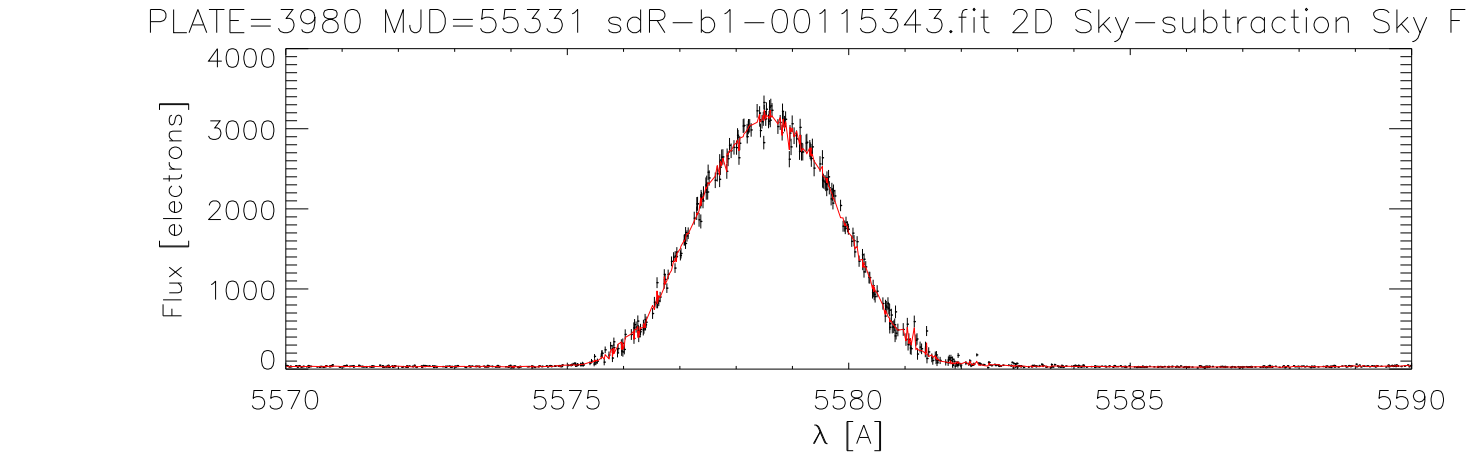

PLATE=3980 MJD=55331 sdR-b1-00115343.fit 1D Sky-subtraction Sky Fibers
Flux [electrons]
4000
3000
2000
1000
0
5570
5575
5580
5585
5590
λ [A]

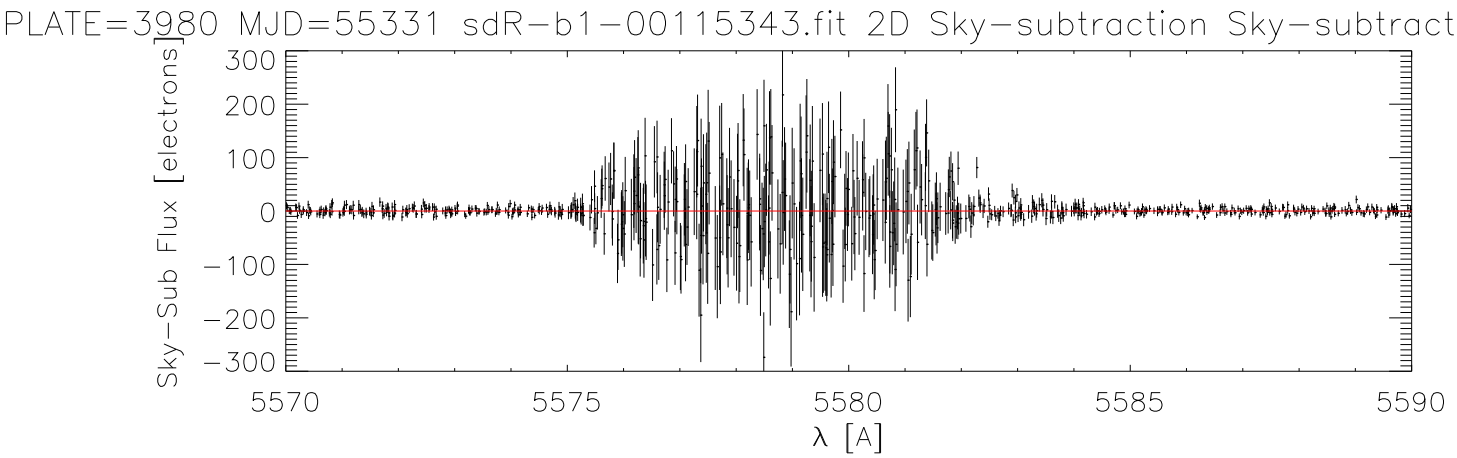

PLATE=3980 MJD=55331 sdR-b1-00115343.fit 1D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
400
200
0
-200
-400
5570
5575
5580
5585
5590
λ [A]

Number of sky fibers = 43

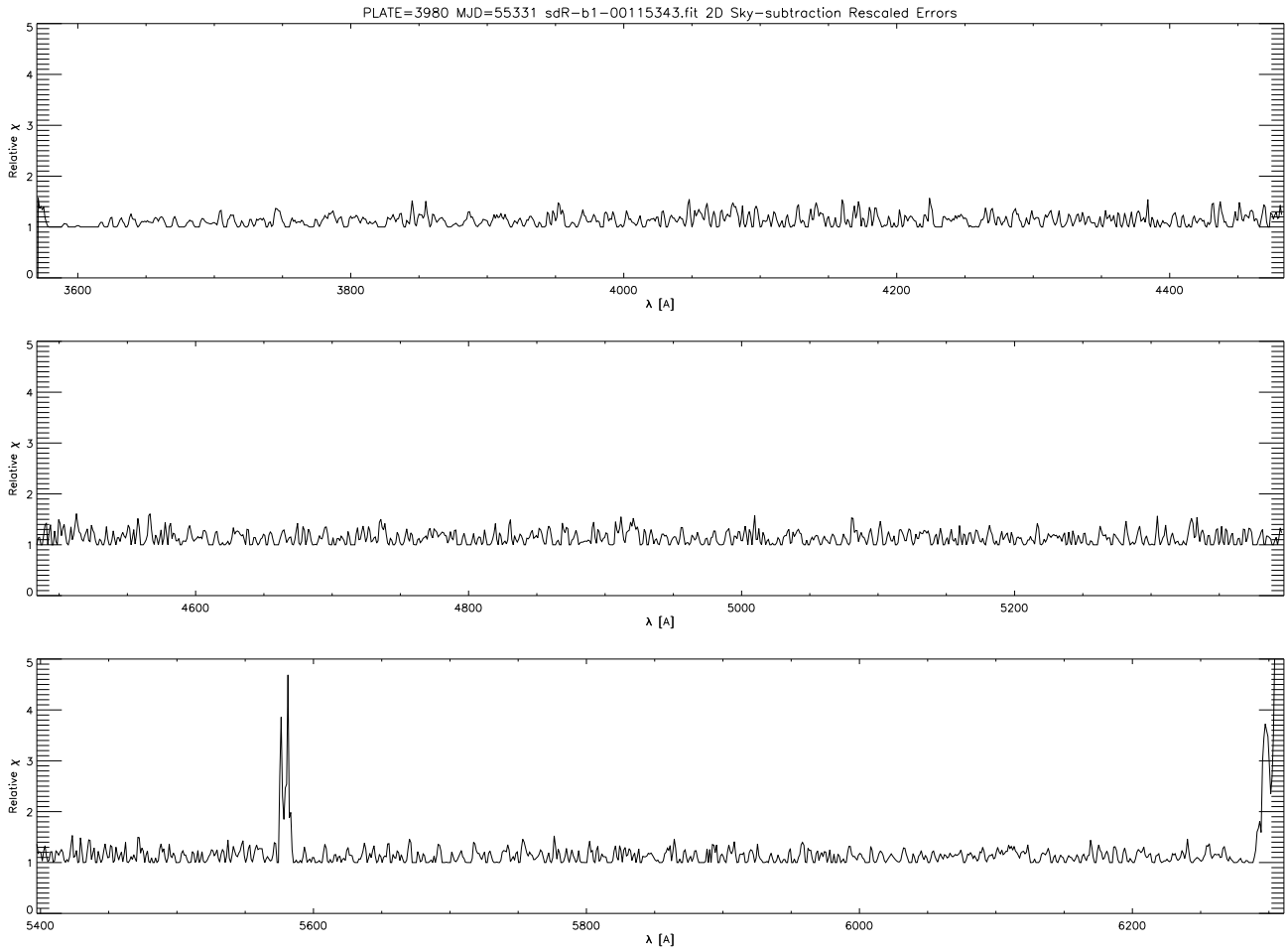


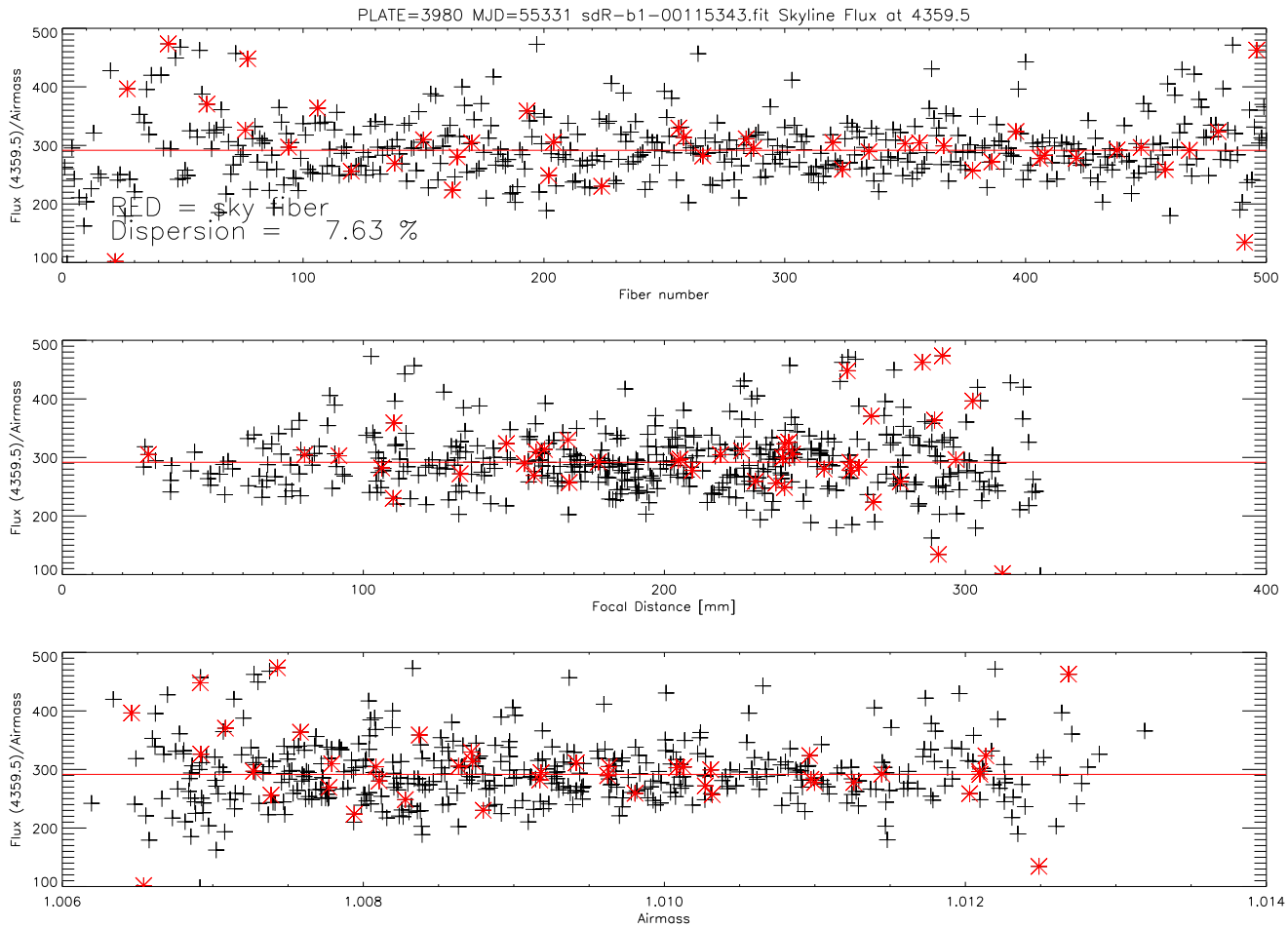

PLATE=3980 MJD=55331 sdR-b1-00115343.fit 2D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

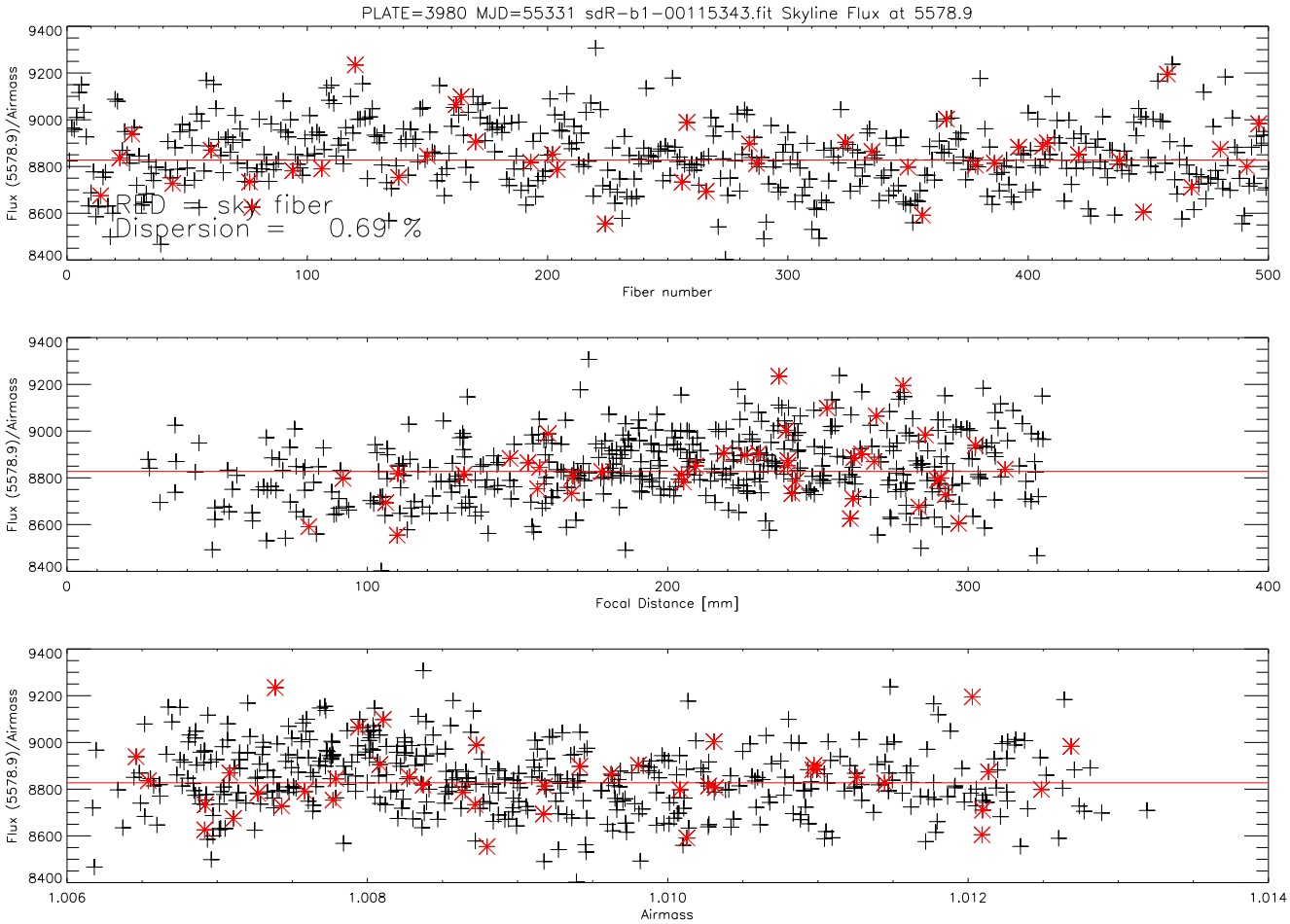

PLATE=3980 MJD=55331 sdR-b1-00115343.fit 2D Sky-subtraction Sky Fibers
Flux [electrons]
4000
3000
2000
1000
0
5570
5575
5580
5585
5590
λ [A]

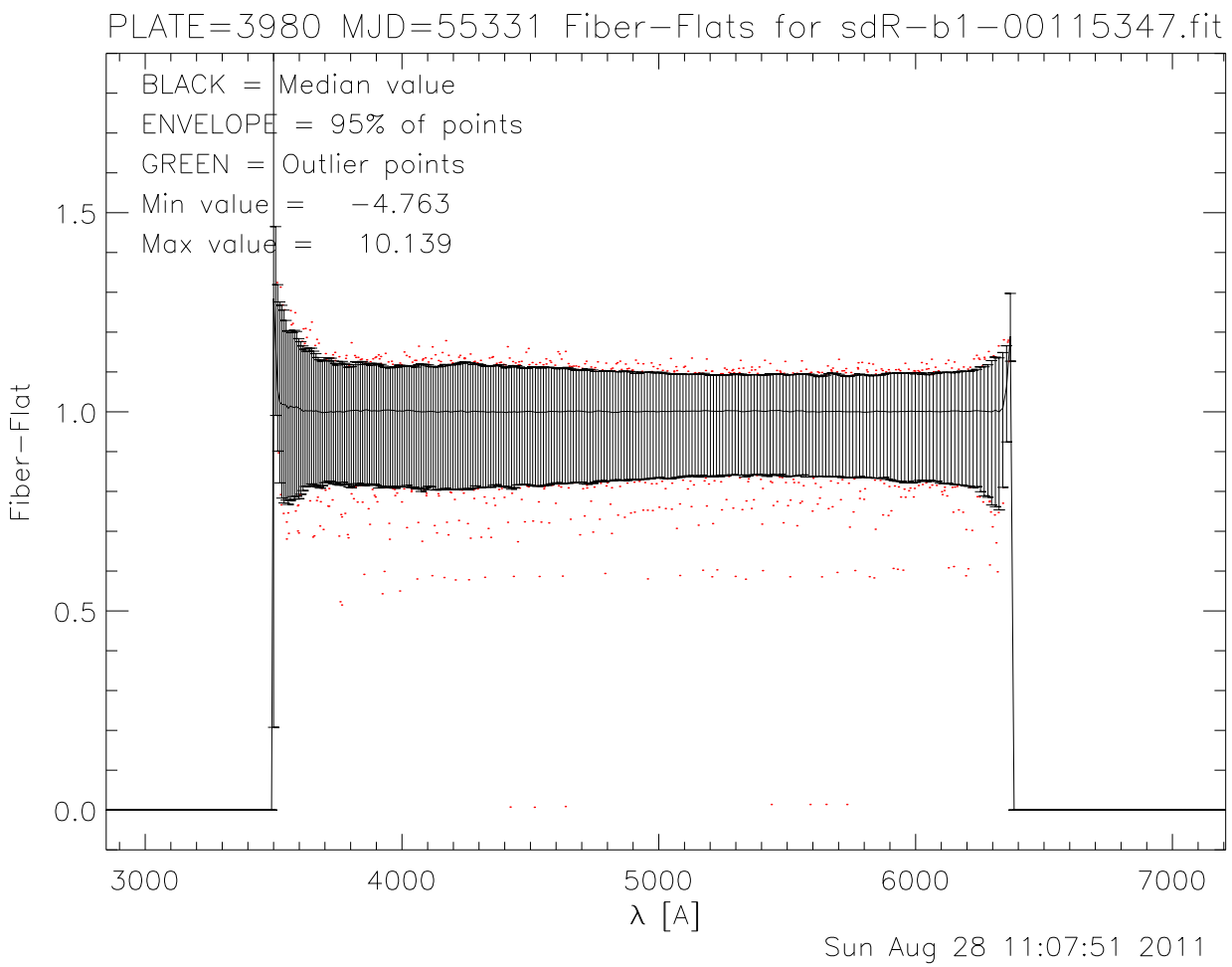

PLATE=3980 MJD=55331 sdR-b1-00115343.fit 2D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
300
200
100
0
-100
-200
-300
5570
5575
5580
5585
5590
λ [A]

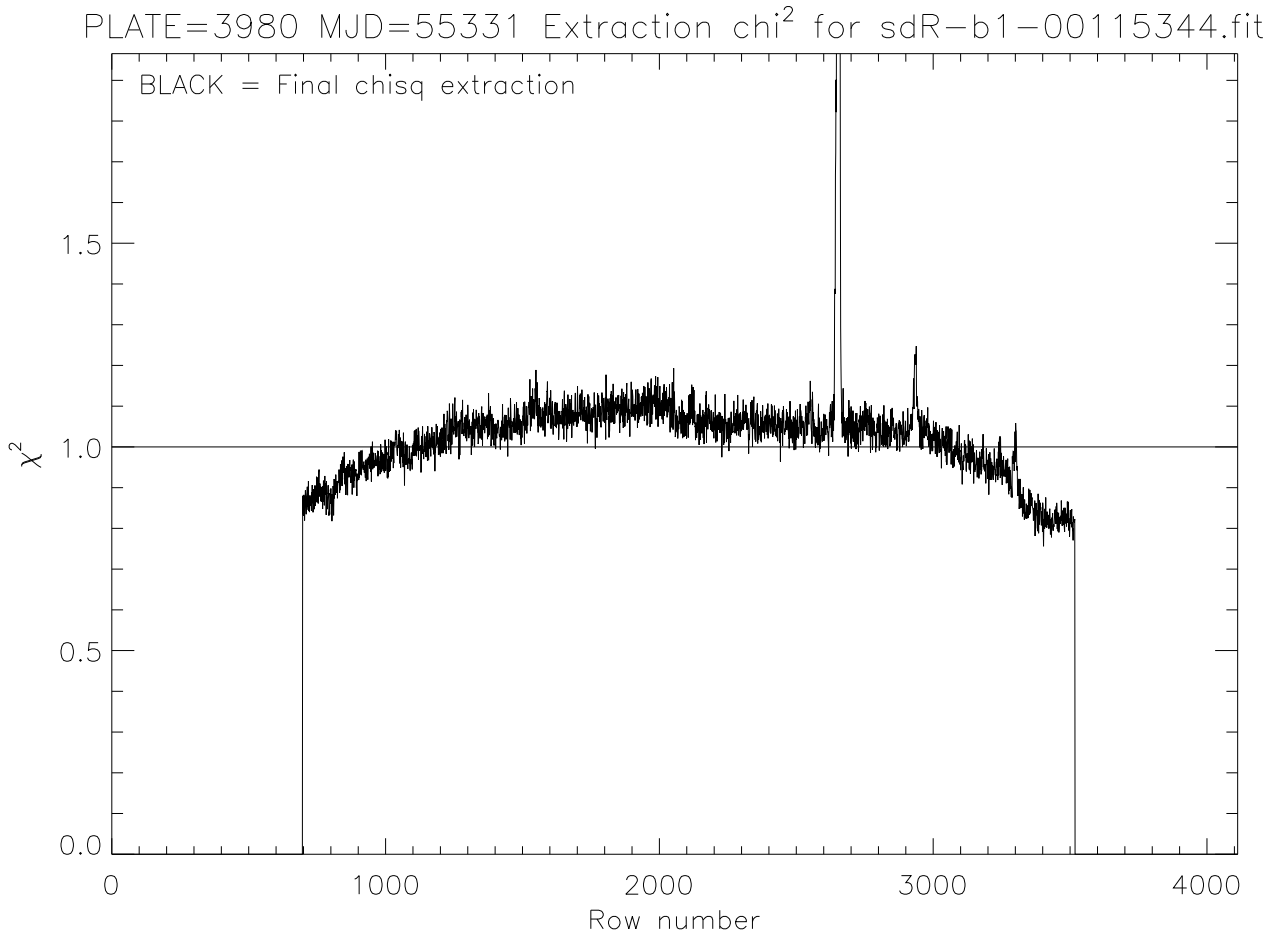
Number of sky fibers = 43

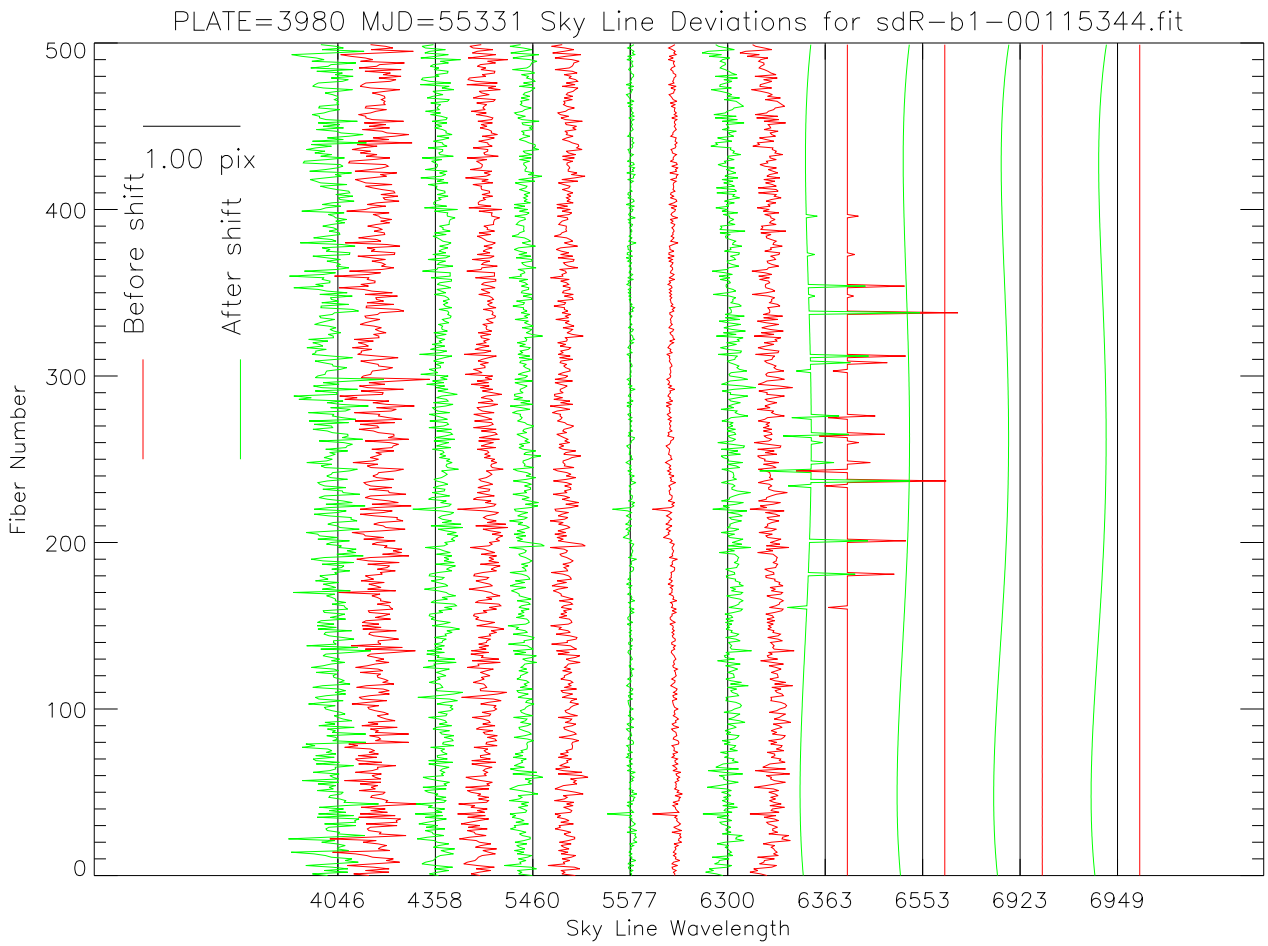


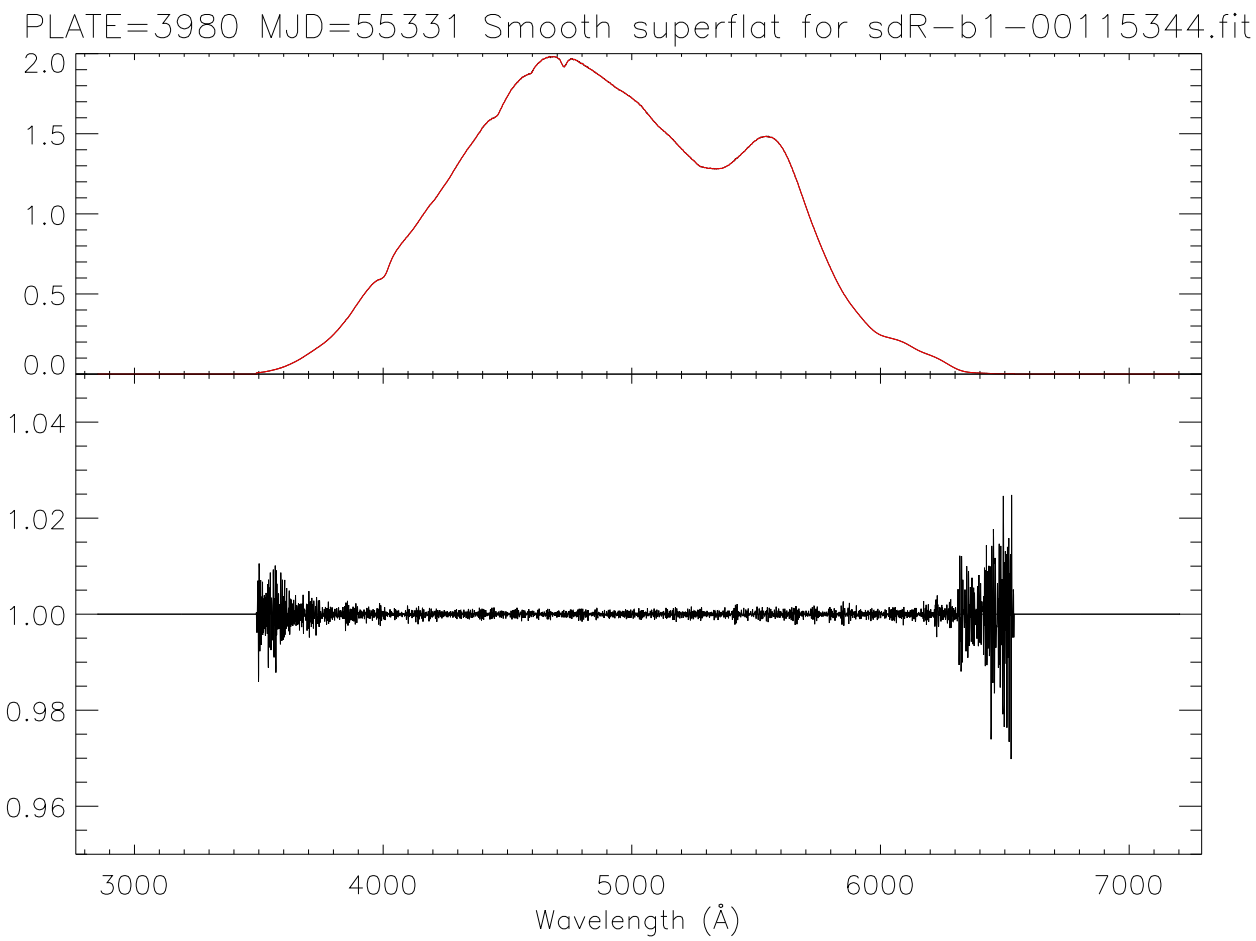

PLATE=3980 MJD=55331 sdR-b1-00115343.fit Skyline Flux at 4359.5
Flux (4359.5)/Airmass
Fiber number
RED = sky fiber
Dispersion = 7.63 %
Flux (4359.5)/Airmass
Focal Distance [mm]
Flux (4359.5)/Airmass
Airmass

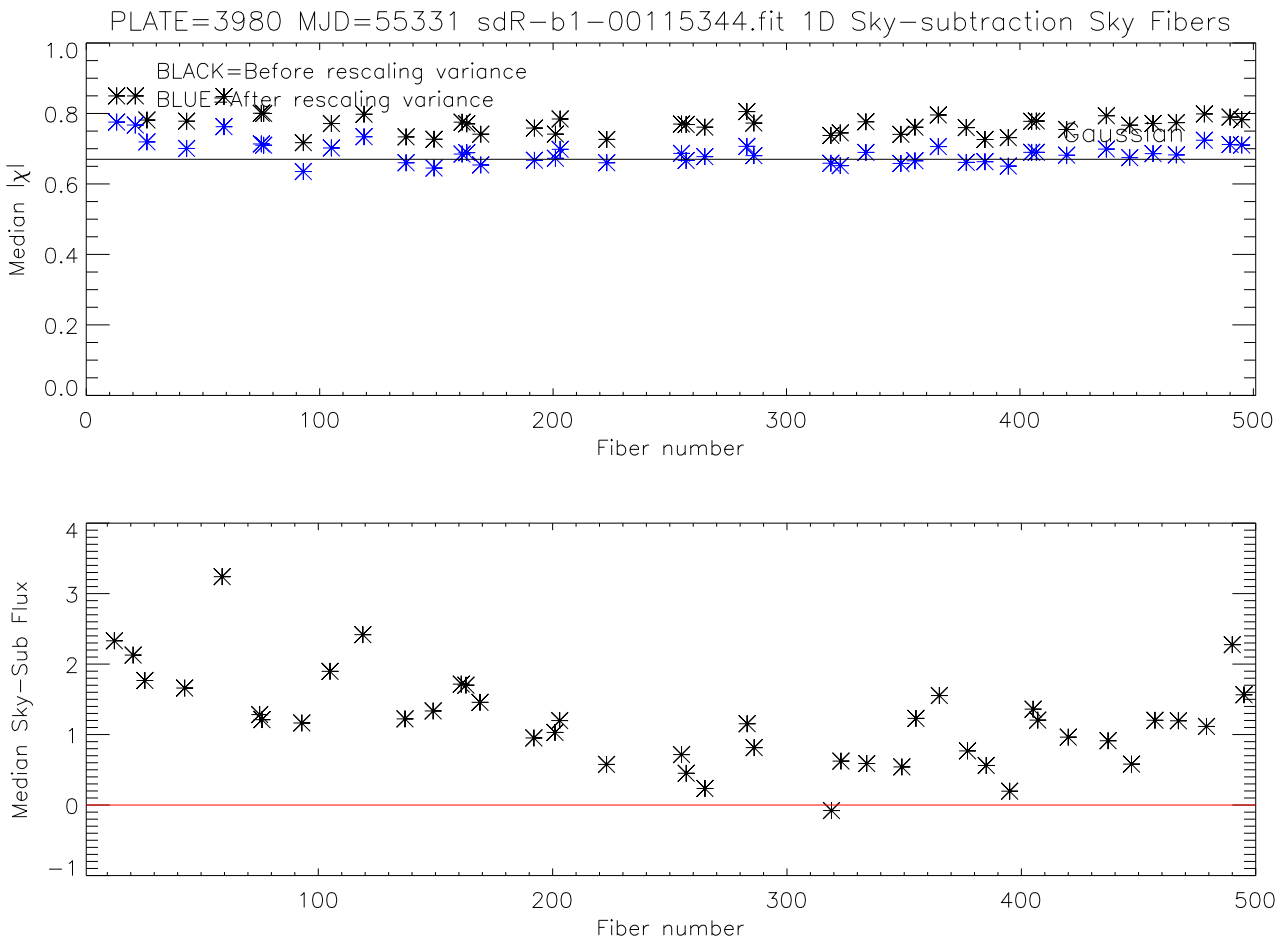

PLATE=3980 MJD=55331 sdR-b1-00115343.fit Skyline Flux at 5578.9
RED = sky fiber
Dispersion = 0.69 %
Flux (5578.9)/Airmass
Fiber number
Focal Distance [mm]
Airmass

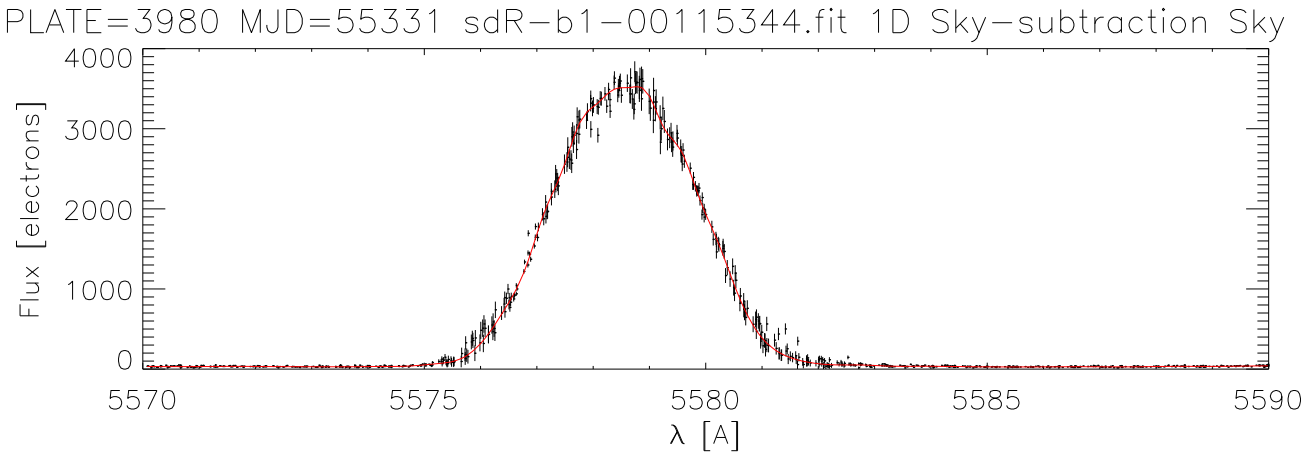

PLATE=3980 MJD=55331 Fiber−Flats for sdR−b1−00115347.fit
BLACK = Median value
ENVELOPE = 95% of points
GREEN = Outlier points
Min value = −4.763
Max value = 10.139
Fiber−Flat
1.5
1.0
0.5
0.0
3000
4000
5000
6000
7000
λ [A]
Sun Aug 28 11:07:51 2011

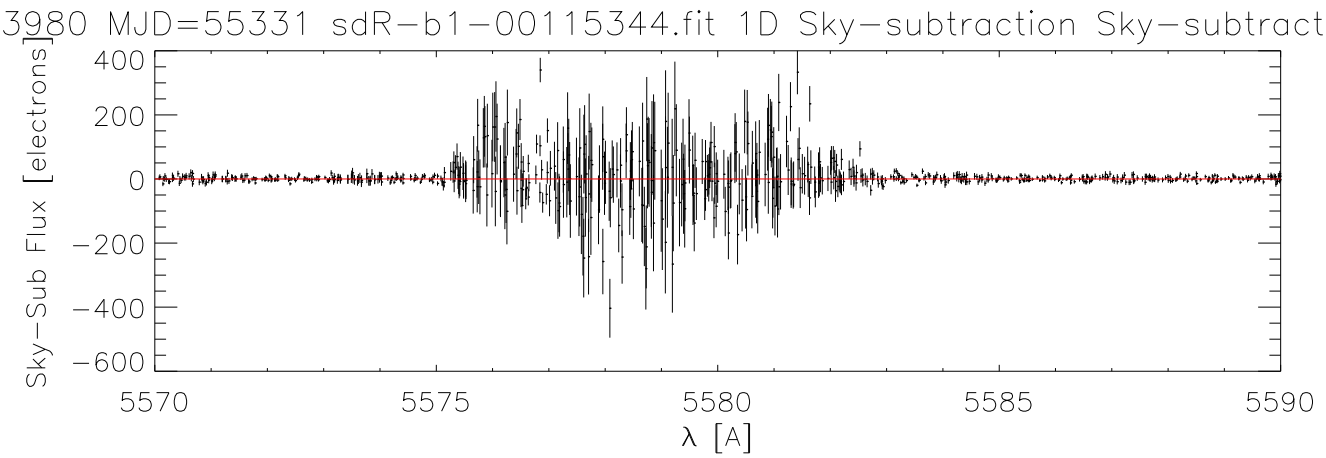

PLATE=3980 MJD=55331 Extraction chi^2 for sdR−b1−00115344.fit
BLACK = Final chisq extraction
χ^2
0.0
0.5
1.0
1.5
0
1000
2000
3000
4000
Row number


PLATE=3980 MJD=55331 Sky Line Deviations for sdR-b1-00115344.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

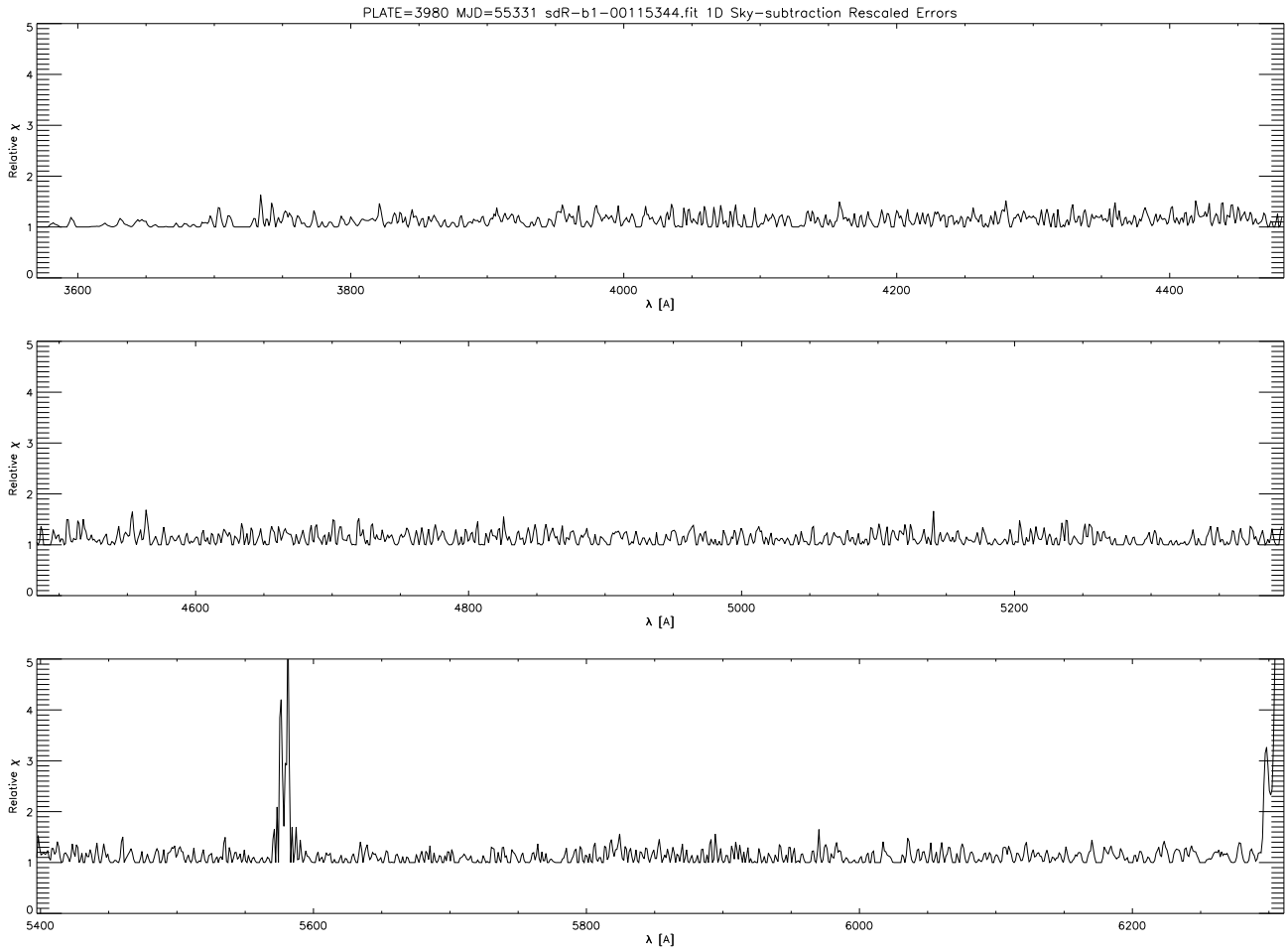

PLATE=3980 MJD=55331 Smooth superflat for sdR-b1-00115344.fit
2.0
1.5
1.0
0.5
0.0
1.04
1.02
1.00
0.98
0.96
3000
4000
5000
6000
7000
Wavelength (Å)

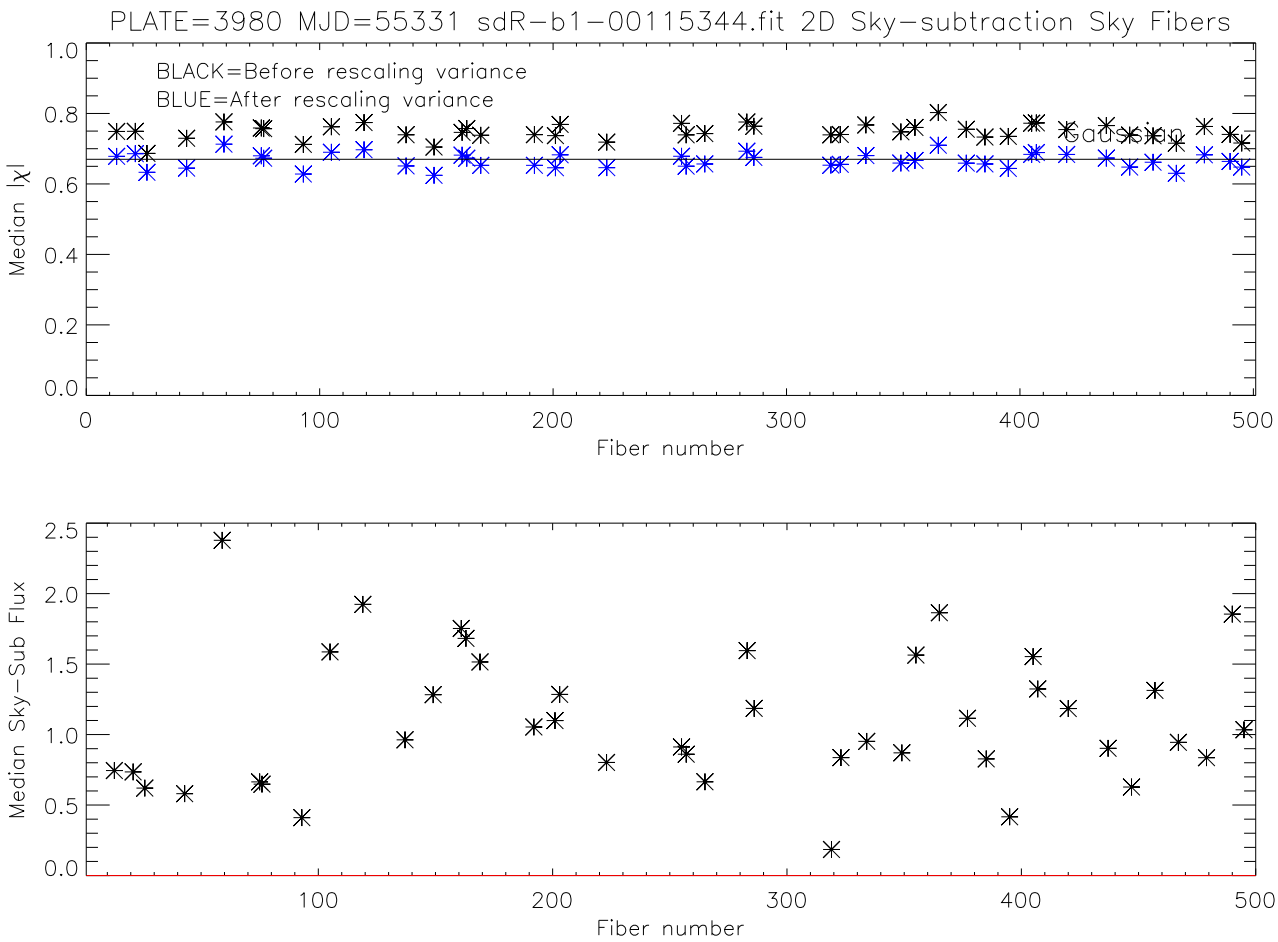

PLATE=3980 MJD=55331 sdR-b1-00115344.fit 1D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

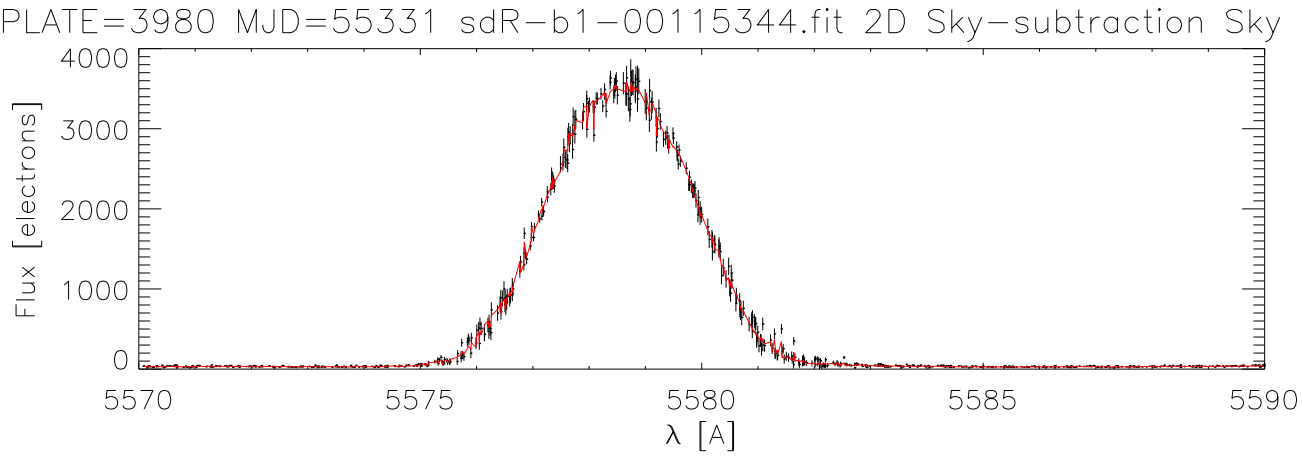

PLATE=3980 MJD=55331 sdR-b1-00115344.fit 1D Sky-subtraction Sky Fibers
Flux [electrons]
4000
3000
2000
1000
0
5570
5575
5580
5585
5590
λ [A]

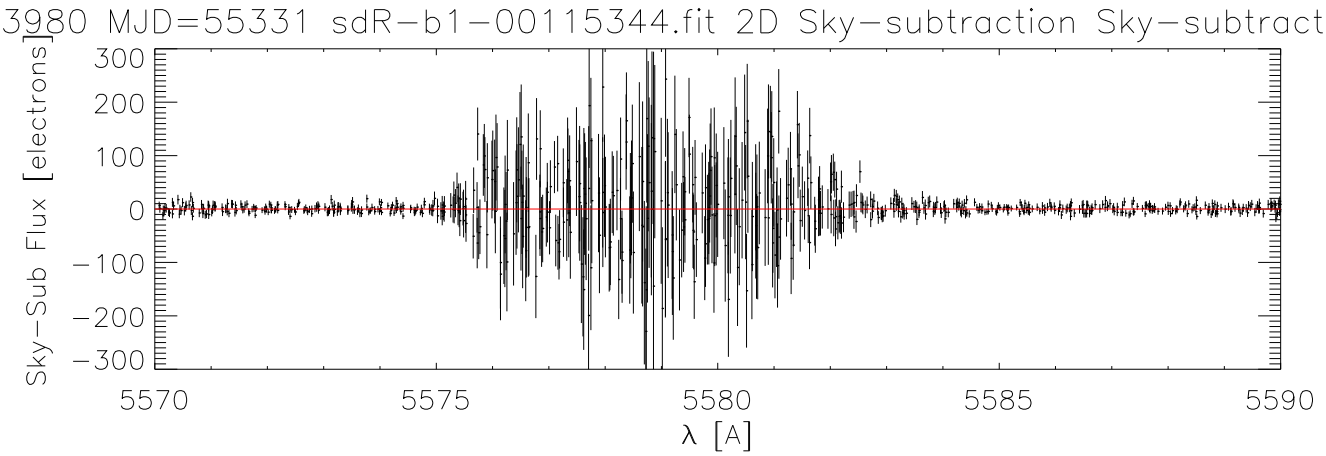

PLATE=3980 MJD=55331 sdR-b1-00115344.fit 1D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
400
200
0
-200
-400
-600
5570
5575
5580
5585
5590
λ [A]

Number of sky fibers = 43

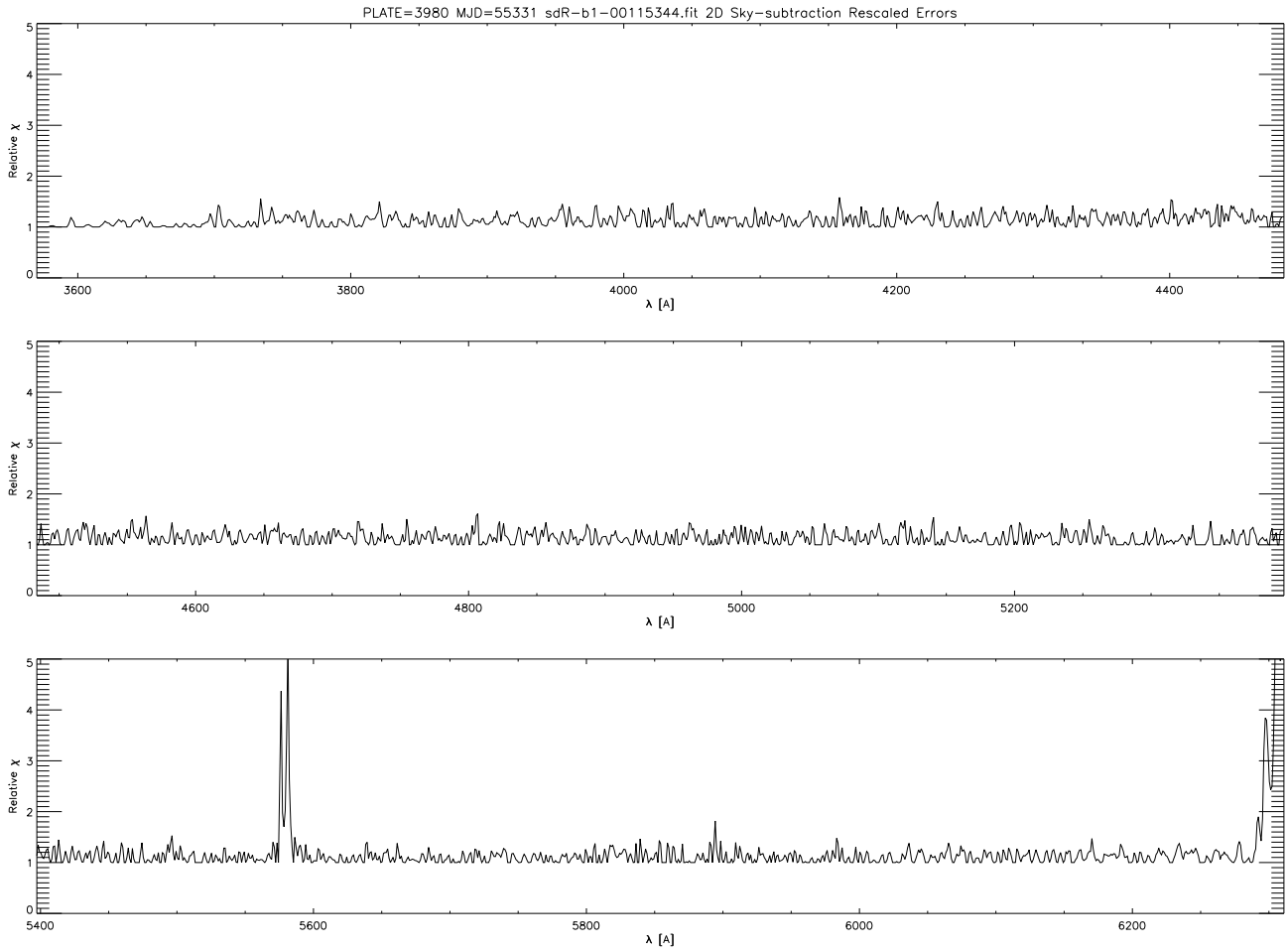


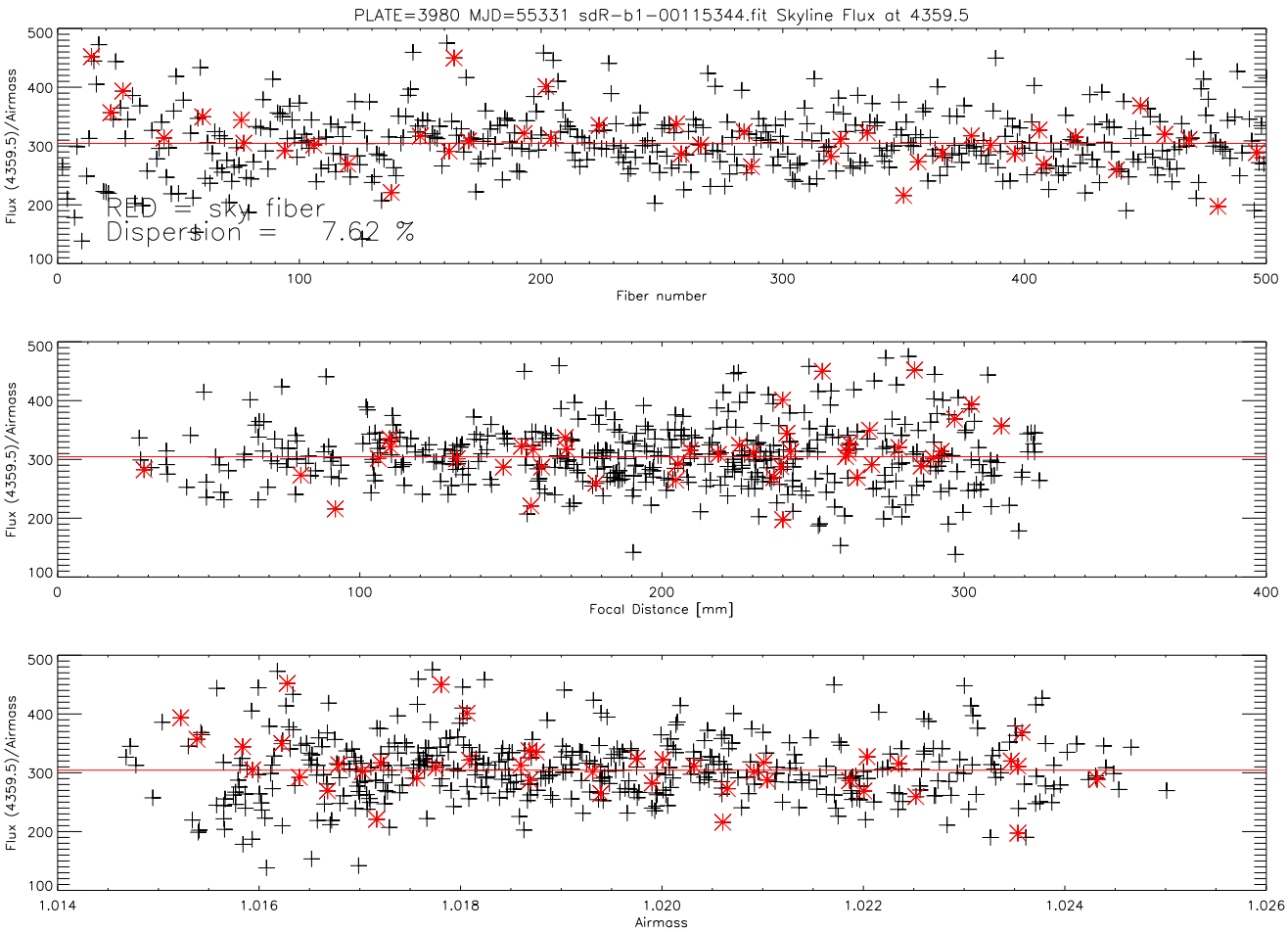

PLATE=3980 MJD=55331 sdR-b1-00115344.fit 2D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

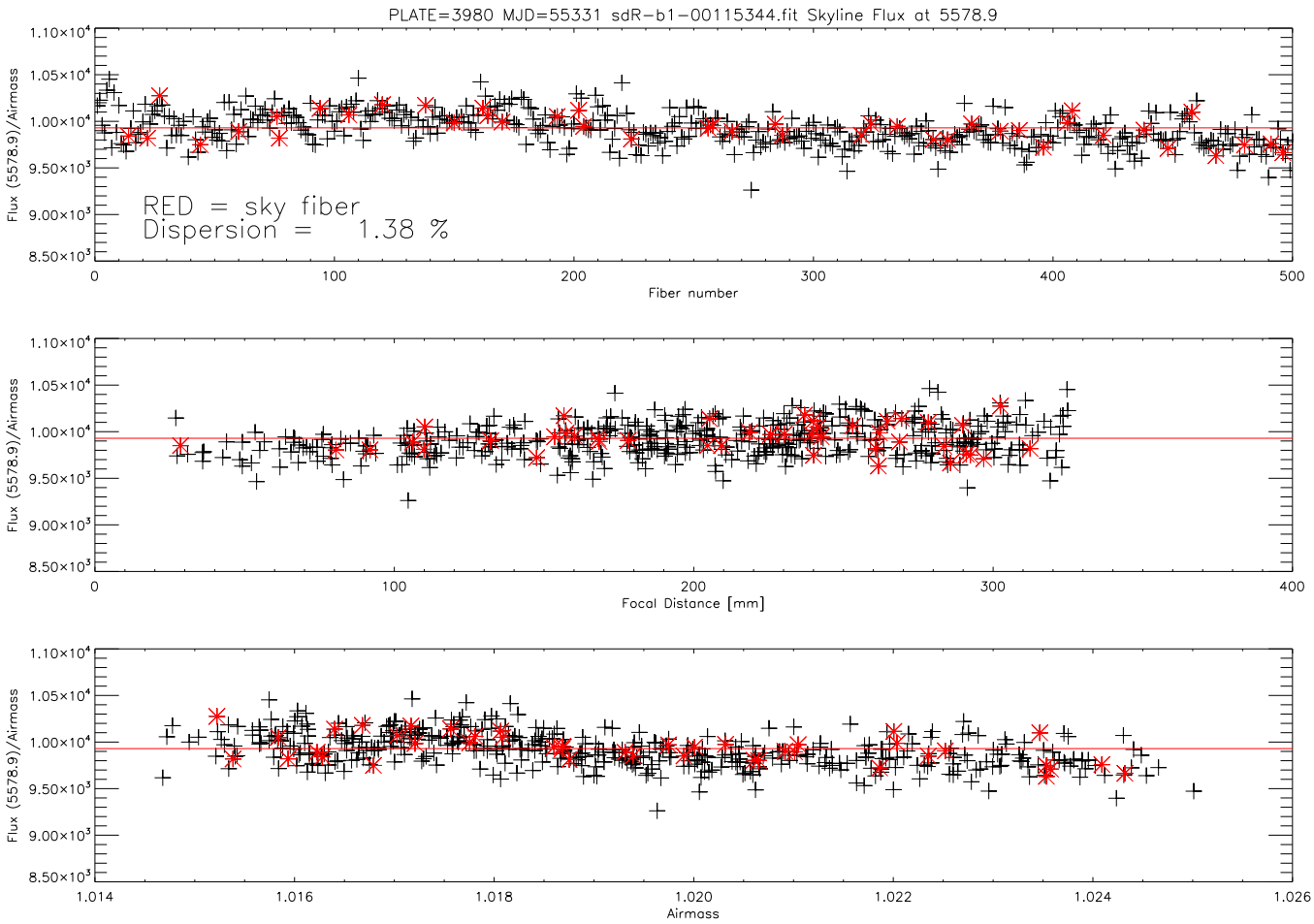

PLATE=3980 MJD=55331 sdR-b1-00115344.fit 2D Sky-subtraction Sky Fibers
Flux [electrons]
4000
3000
2000
1000
0
5570
5575
5580
5585
5590
λ [A]

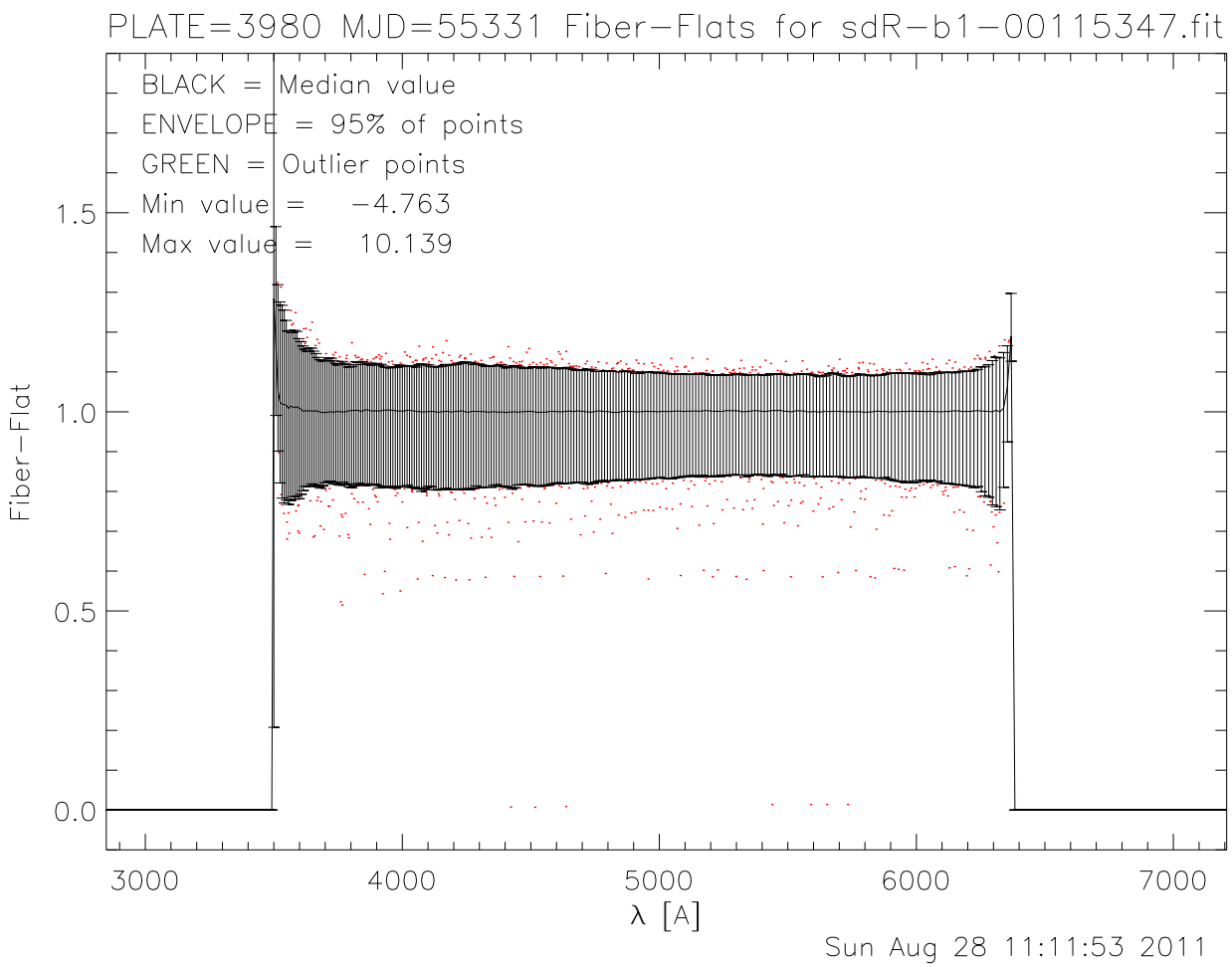

PLATE=3980 MJD=55331 sdR-b1-00115344.fit 2D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
300
200
100
0
-100
-200
-300
5570
5575
5580
5585
5590
λ [A]

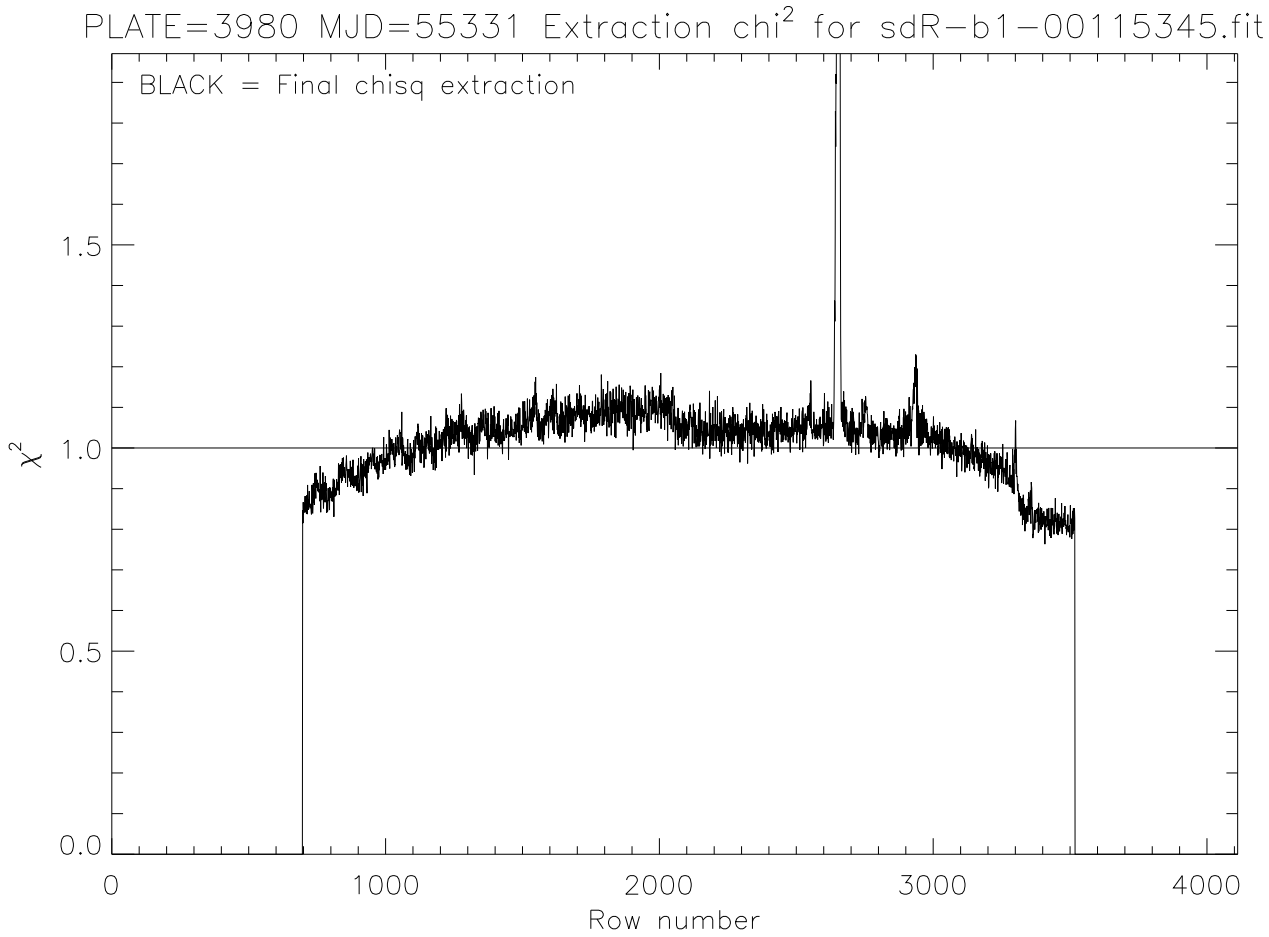
Number of sky fibers = 43

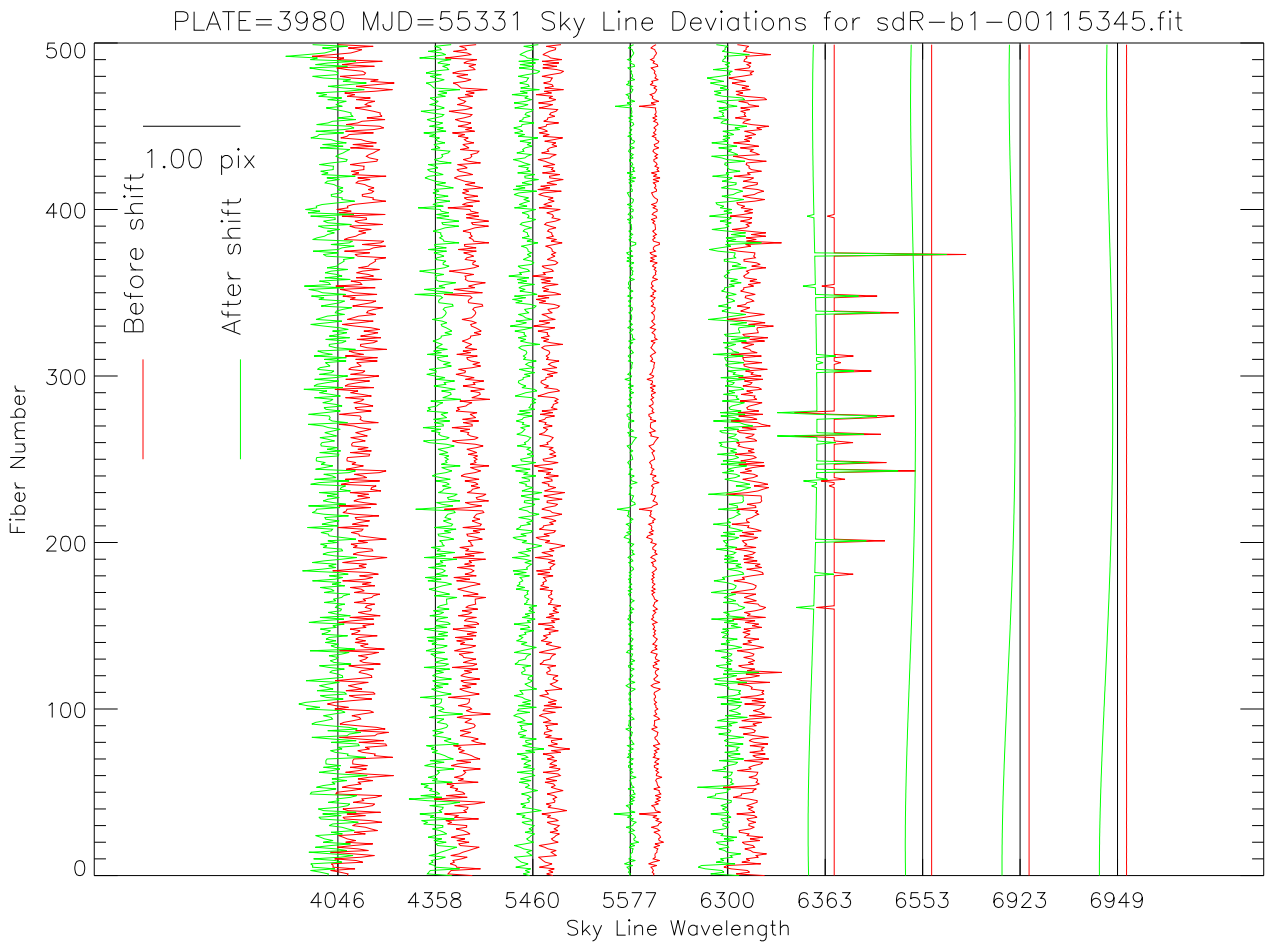


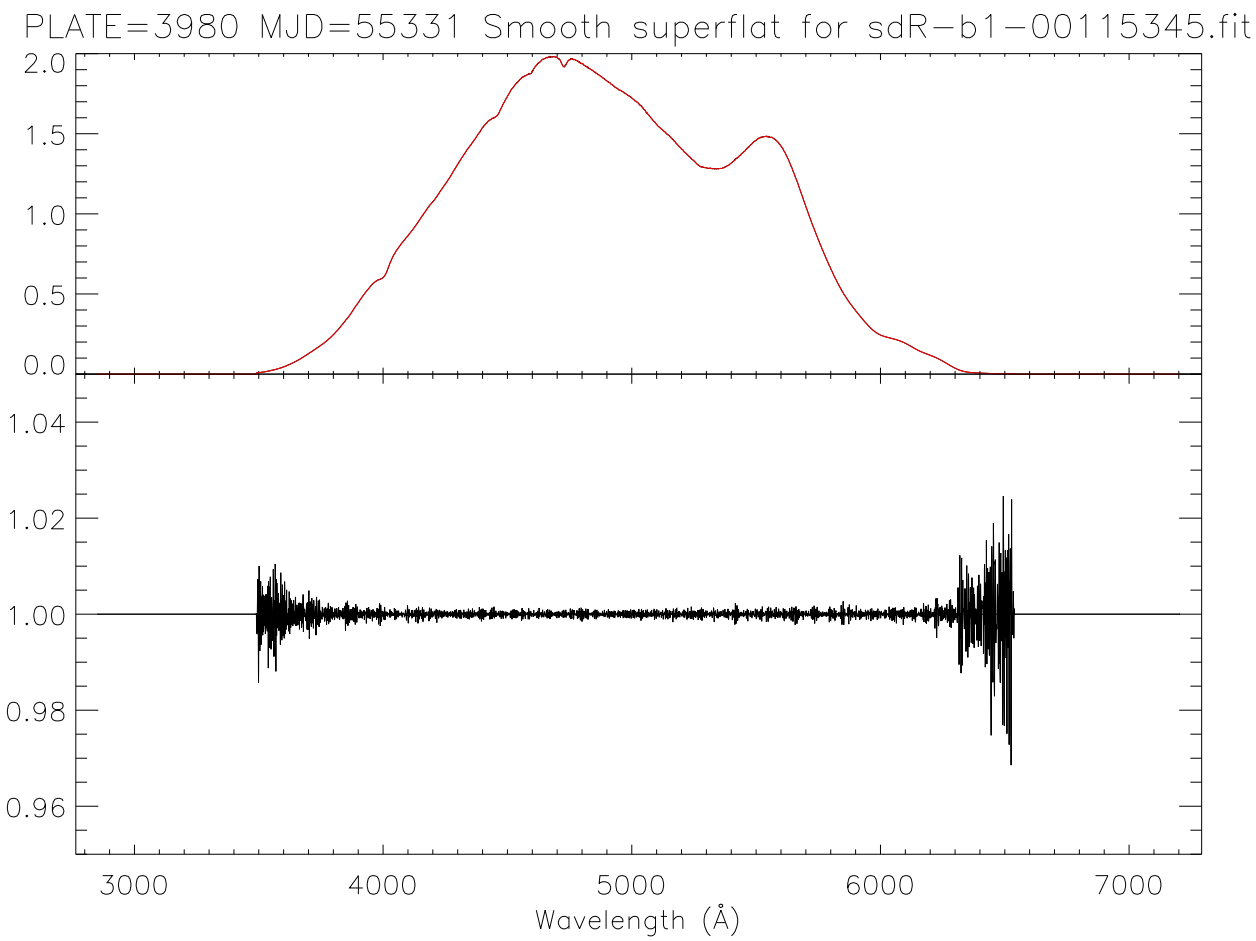

PLATE=3980 MJD=55331 sdR-b1-00115344.fit Skyline Flux at 4359.5
Flux (4359.5)/Airmass
Fiber number
RED = sky fiber
Dispersion = 7.62 %
Flux (4359.5)/Airmass
Focal Distance [mm]
Flux (4359.5)/Airmass
Airmass

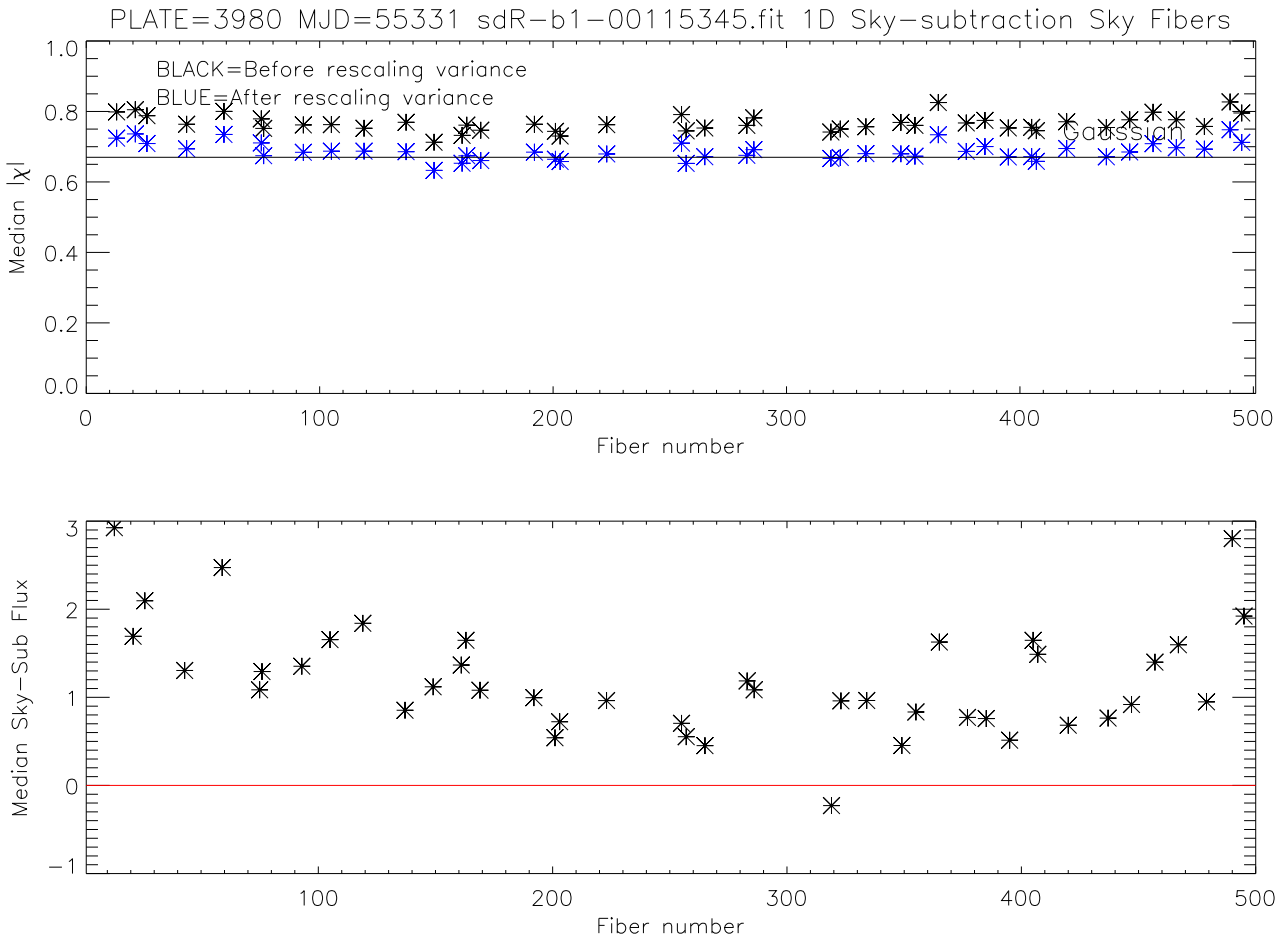

PLATE=3980 MJD=55331 sdR-b1-00115344.fit Skyline Flux at 5578.9
Flux (5578.9)/Airmass
RED = sky fiber
Dispersion = 1.38 %
Fiber number
Flux (5578.9)/Airmass
Focal Distance [mm]
Flux (5578.9)/Airmass
Airmass

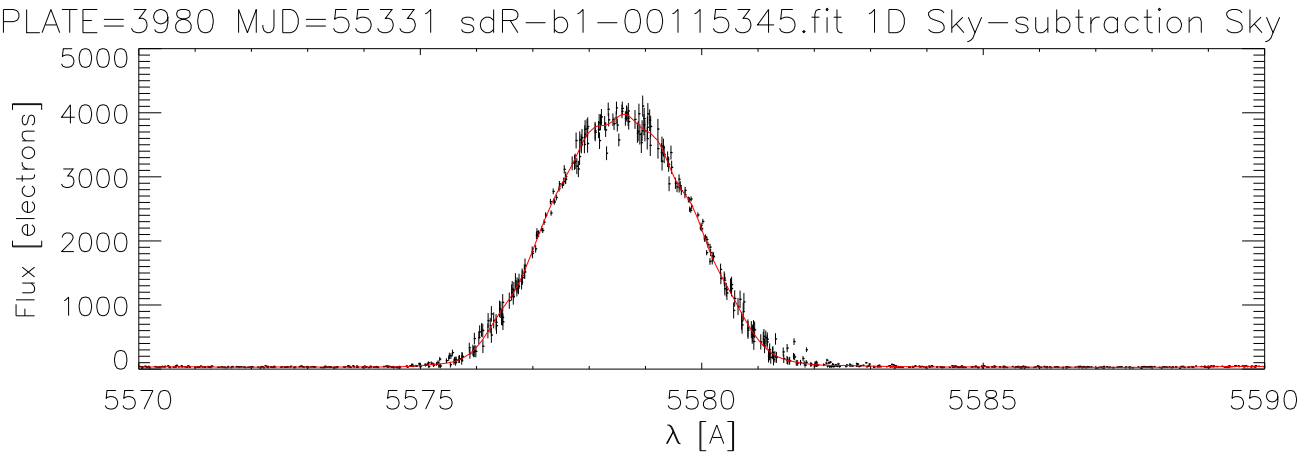

PLATE=3980 MJD=55331 Fiber−Flats for sdR−b1−00115347.fit
BLACK = Median value
ENVELOPE = 95% of points
GREEN = Outlier points
Min value = −4.763
Max value = 10.139
Fiber−Flat
1.5
1.0
0.5
0.0
3000
4000
5000
6000
7000
λ [A]
Sun Aug 28 11:11:53 2011

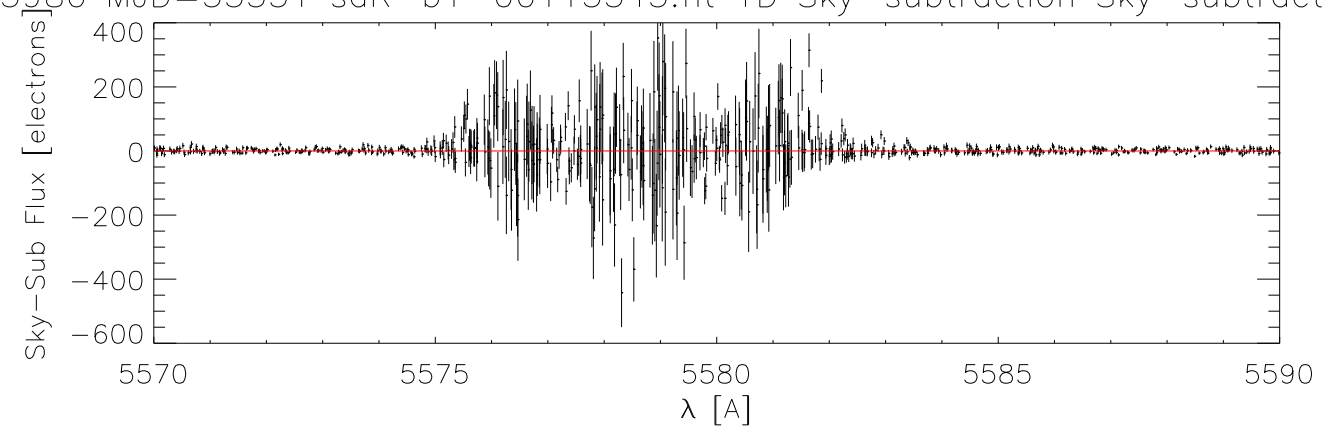

PLATE=3980 MJD=55331 Extraction chi^2 for sdR−b1−00115345.fit
BLACK = Final chisq extraction
χ^2
1.5
1.0
0.5
0.0
0
1000
2000
3000
4000
Row number


PLATE=3980 MJD=55331 Sky Line Deviations for sdR-b1-00115345.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

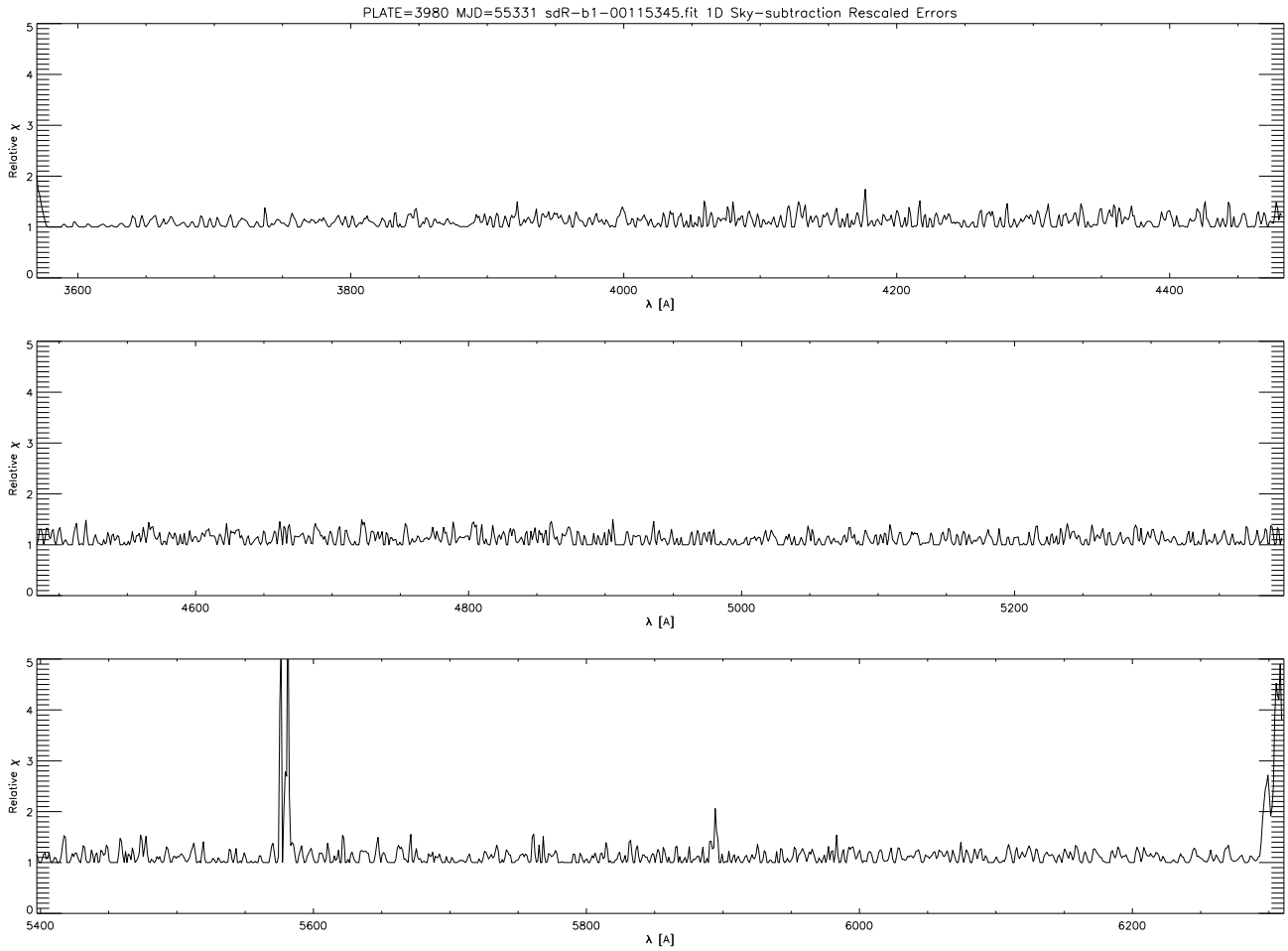

PLATE=3980 MJD=55331 Smooth superflat for sdR-b1-00115345.fit
2.0
1.5
1.0
0.5
0.0
1.04
1.02
1.00
0.98
0.96
3000
4000
5000
6000
7000
Wavelength (Å)

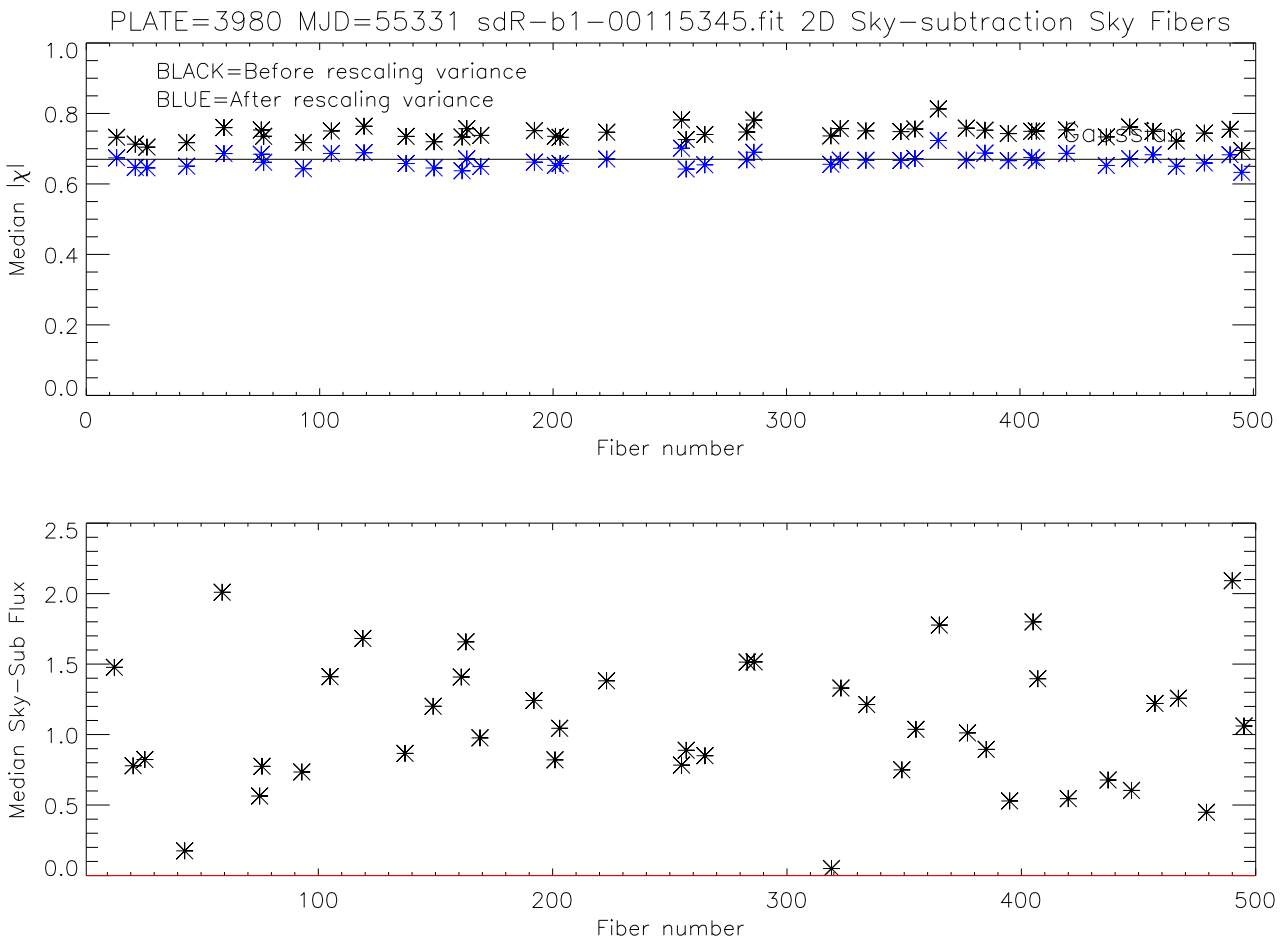

PLATE=3980 MJD=55331 sdR-b1-00115345.fit 1D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number


PLATE=3980 MJD=55331 sdR-b1-00115345.fit 1D Sky-subtraction Sky Fibers
Flux [electrons]
5000
4000
3000
2000
1000
0
5570
5575
5580
5585
5590
λ [A]

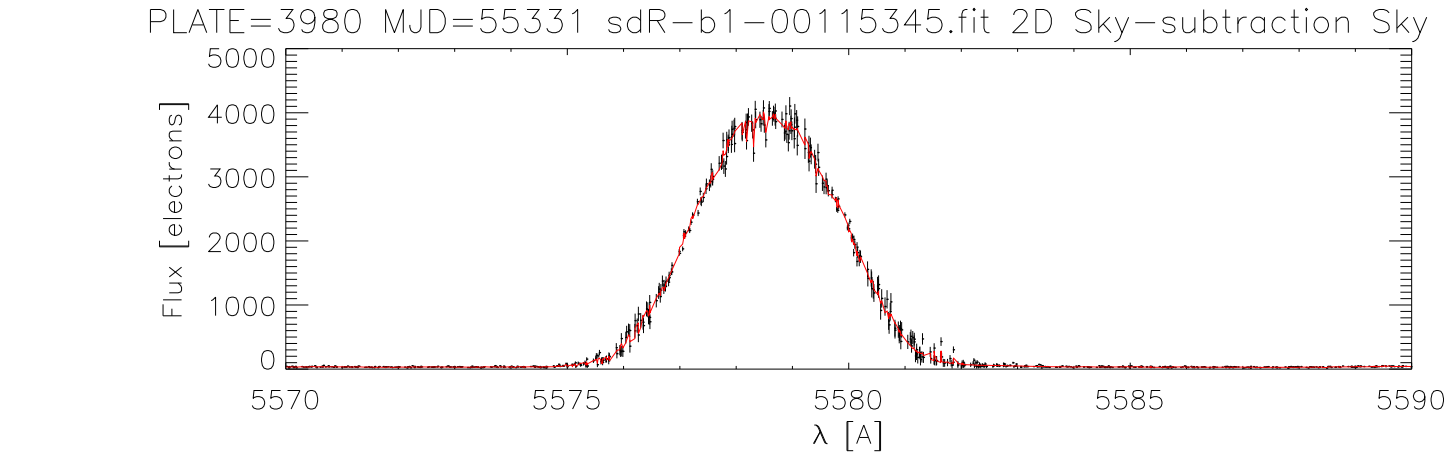

PLATE=3980 MJD=55331 sdR-b1-00115345.fit 1D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
400
200
0
-200
-400
-600
5570
5575
5580
5585
5590
λ [A]

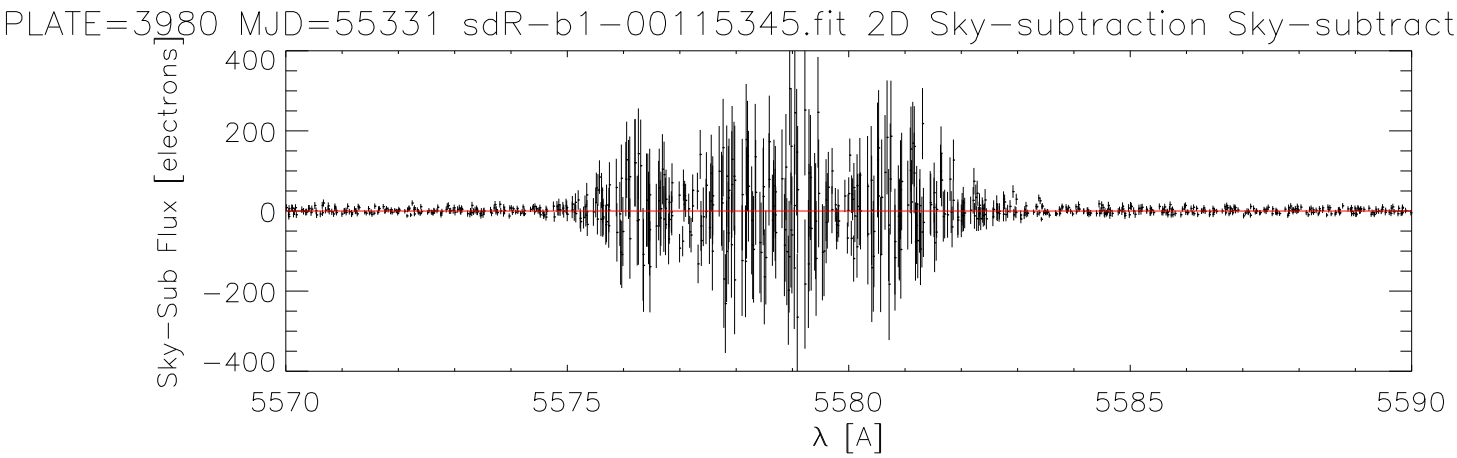
Number of sky fibers = 43



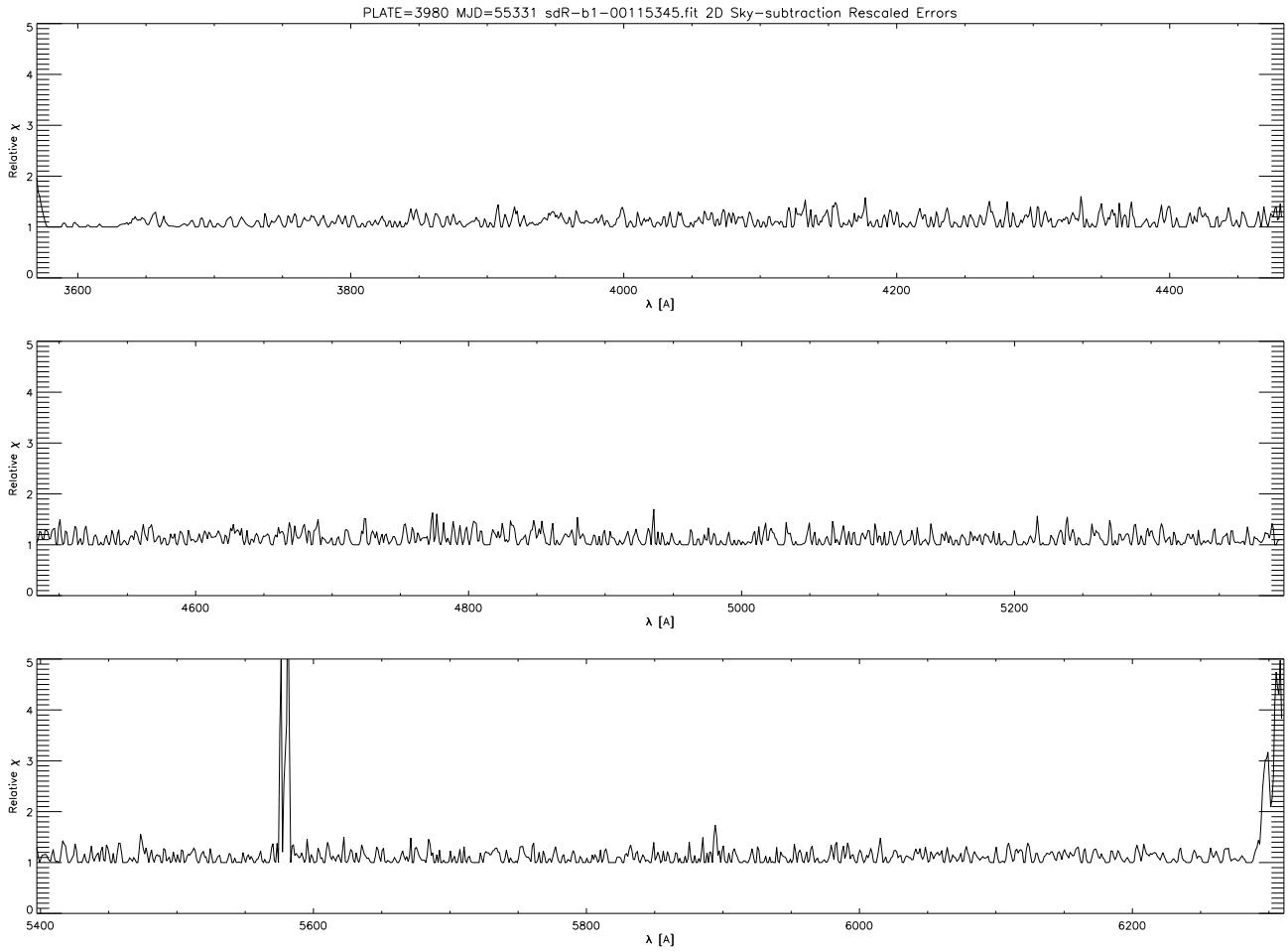

PLATE=3980 MJD=55331 sdR-b1-00115345.fit 2D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Median |χ|
Fiber number
1.0
0.8
0.6
0.4
0.2
0.0
0
100
200
300
400
500

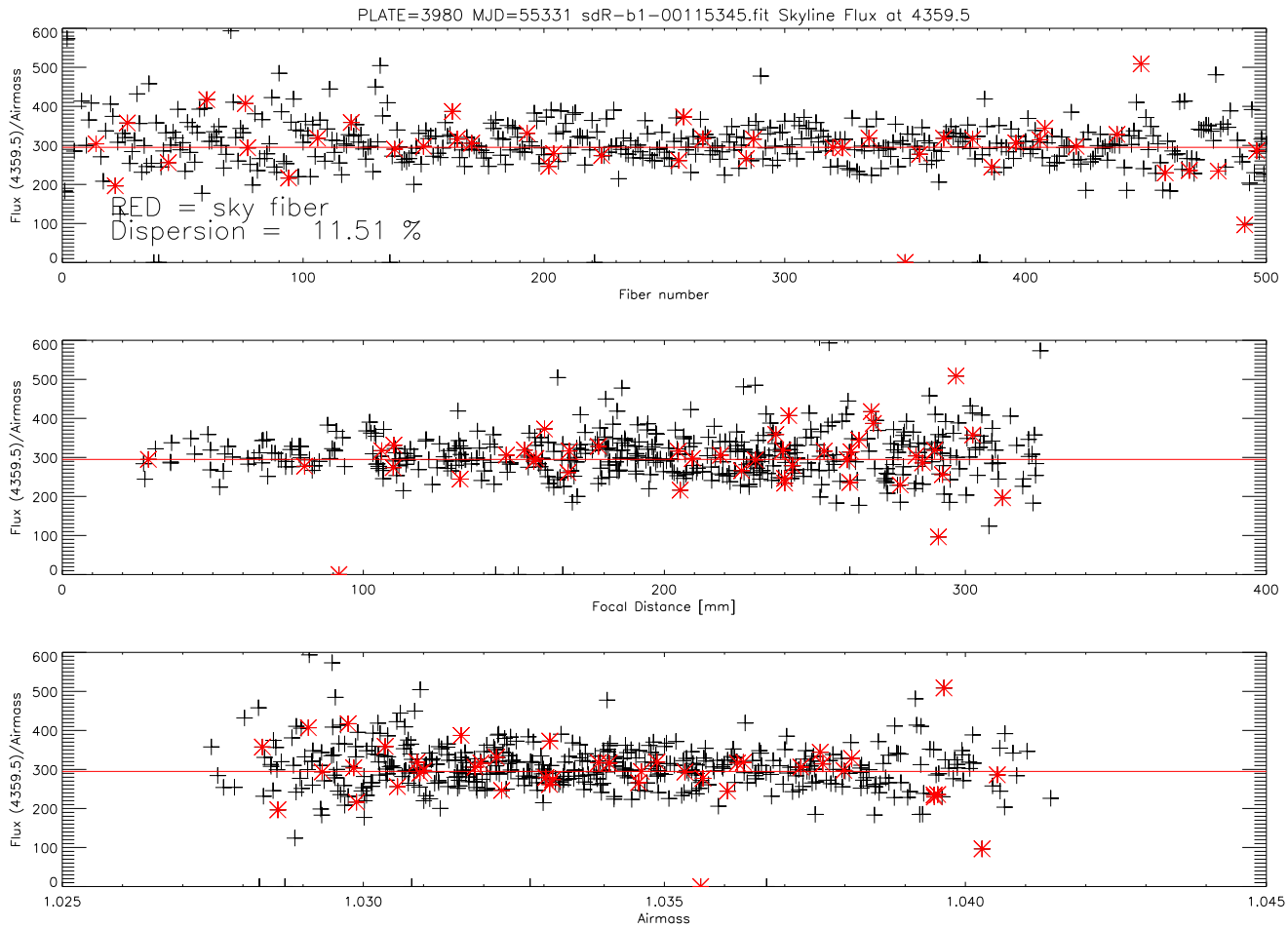
Median Sky-Sub Flux
Fiber number
2.5
2.0
1.5
1.0
0.5
0.0
100
200
300
400
500

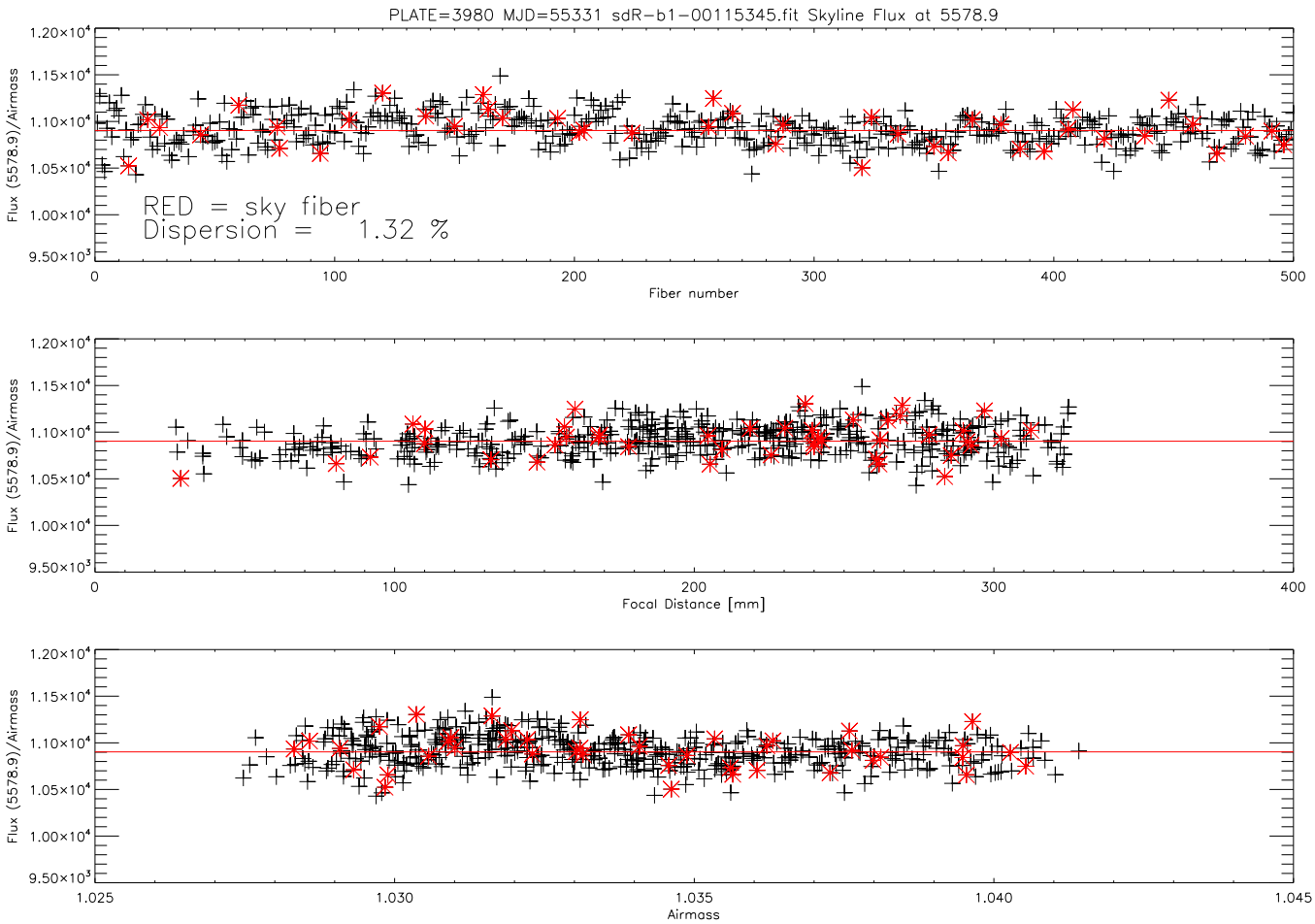

PLATE=3980 MJD=55331 sdR-b1-00115345.fit 2D Sky-subtraction Sky Fibers
Flux [electrons]
5000
4000
3000
2000
1000
0
5570
5575
5580
5585
5590
λ [A]

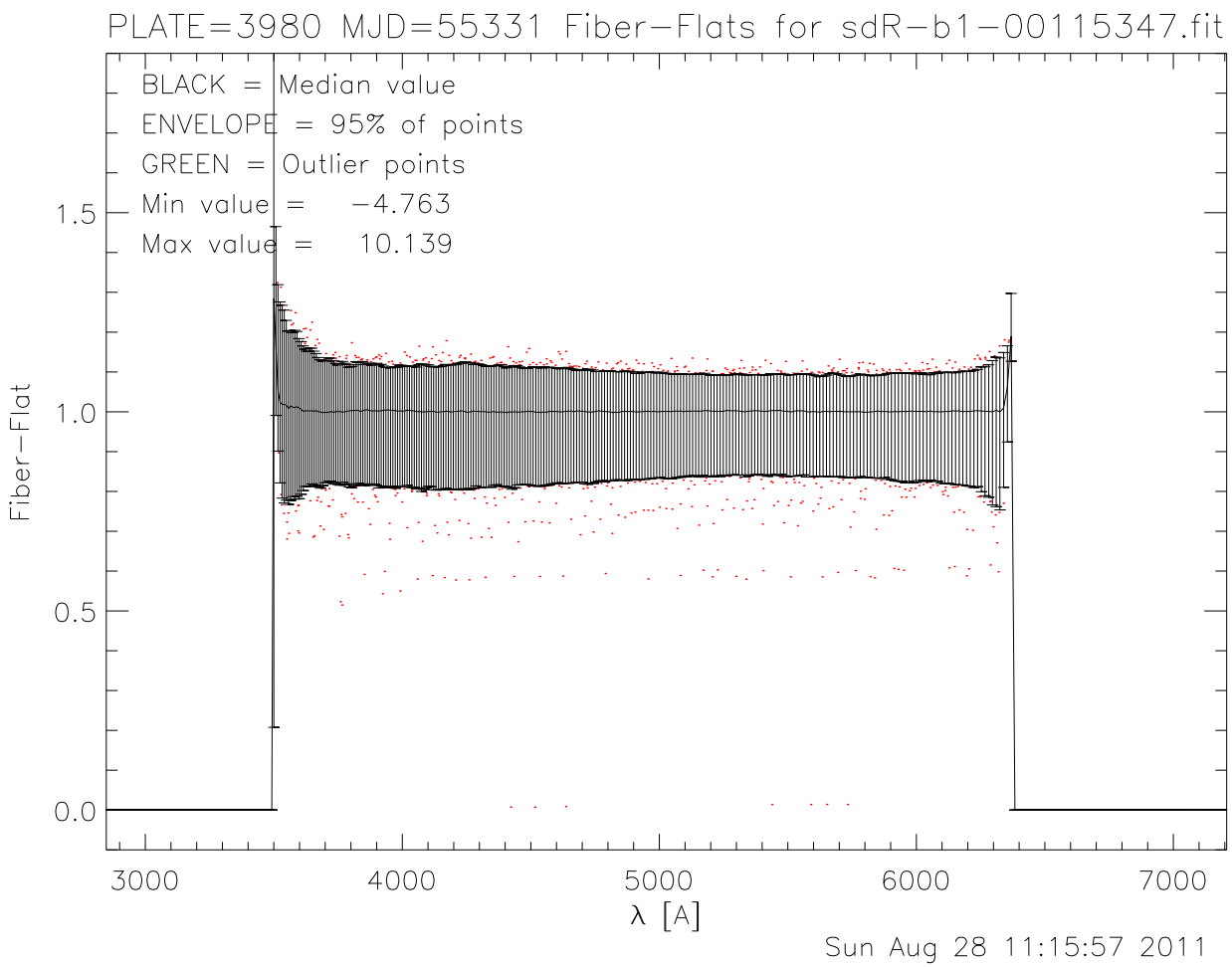

PLATE=3980 MJD=55331 sdR-b1-00115345.fit 2D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
400
200
0
-200
-400
5570
5575
5580
5585
5590
λ [A]

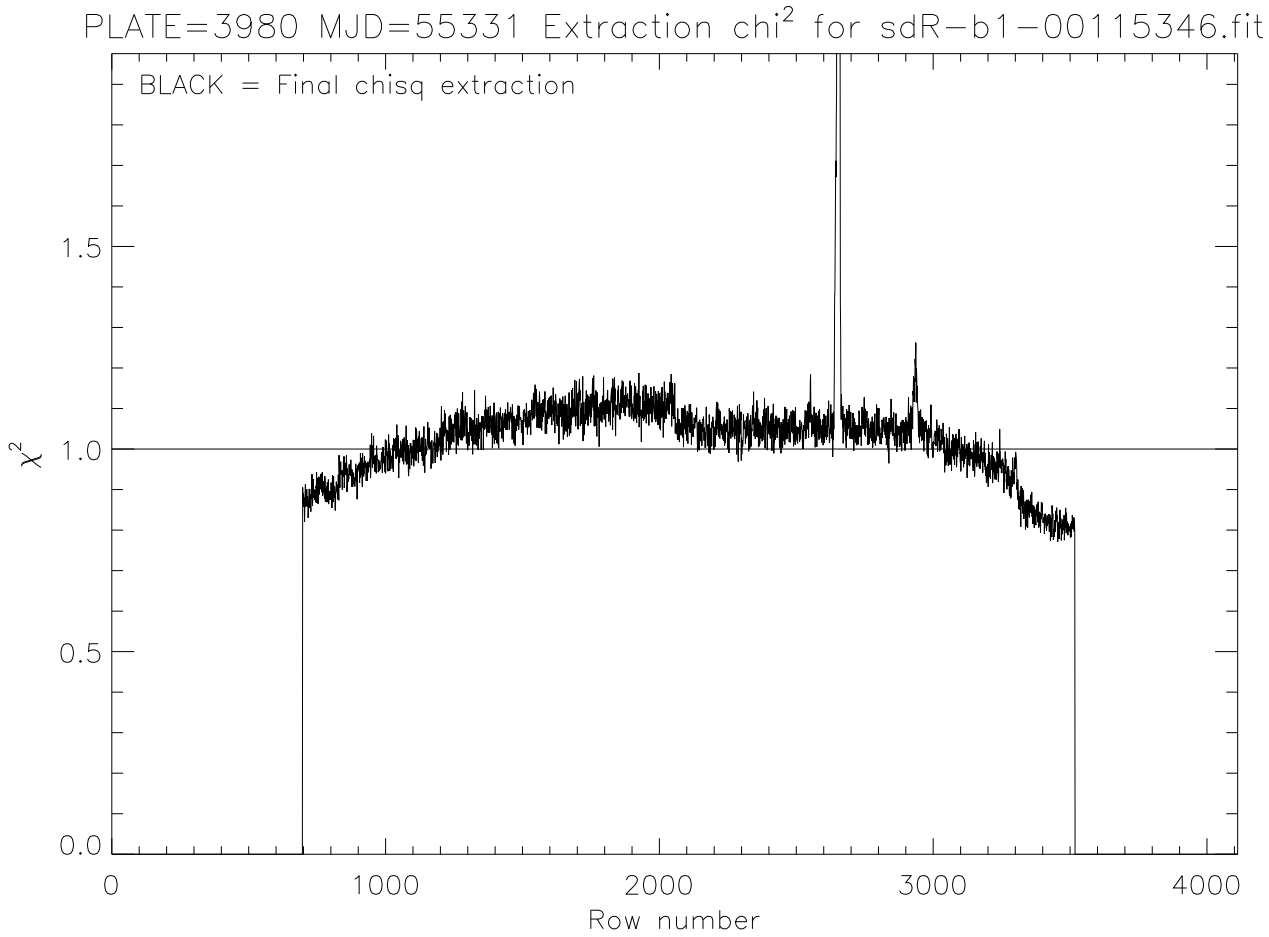
Number of sky fibers = 43

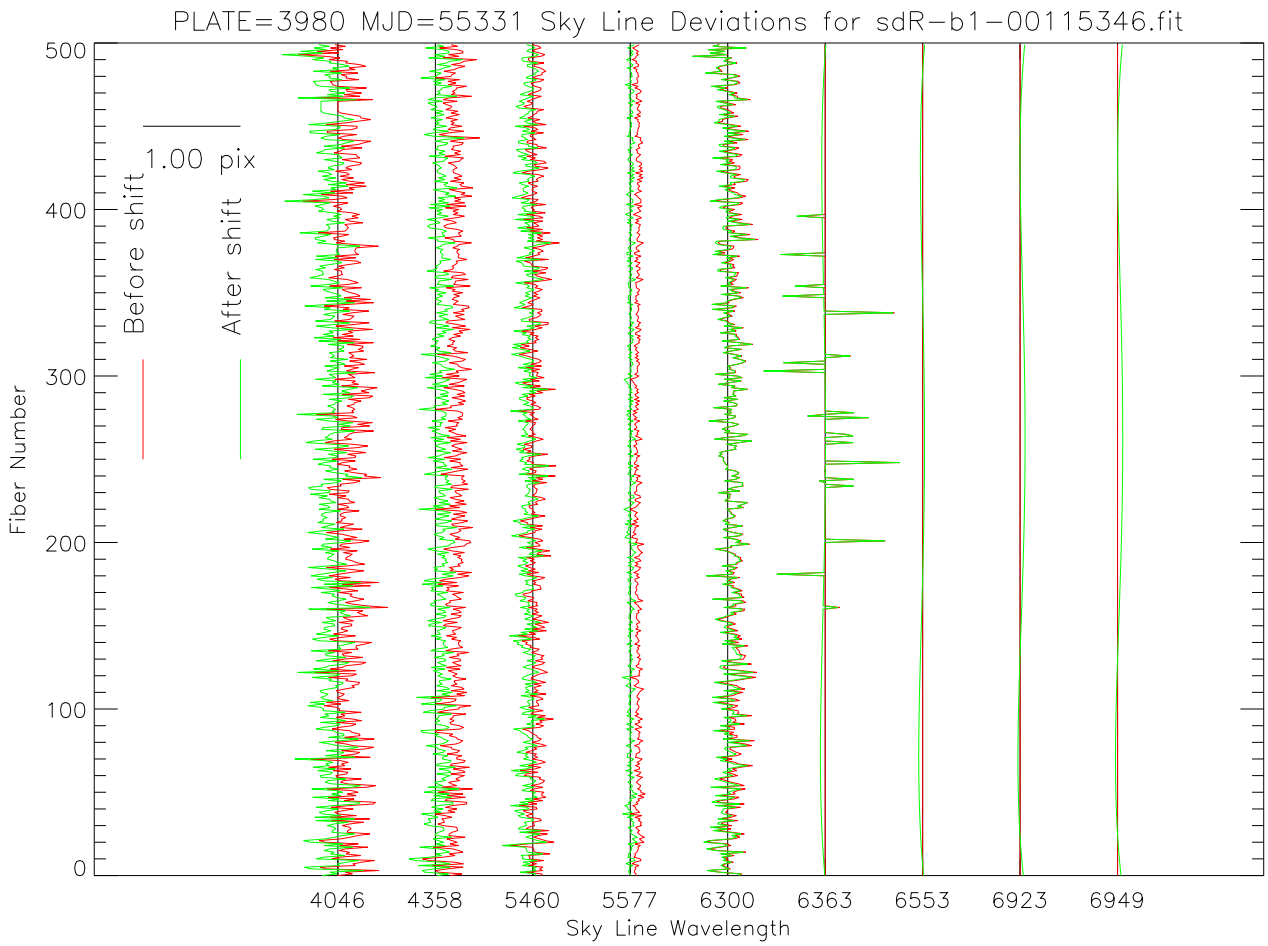


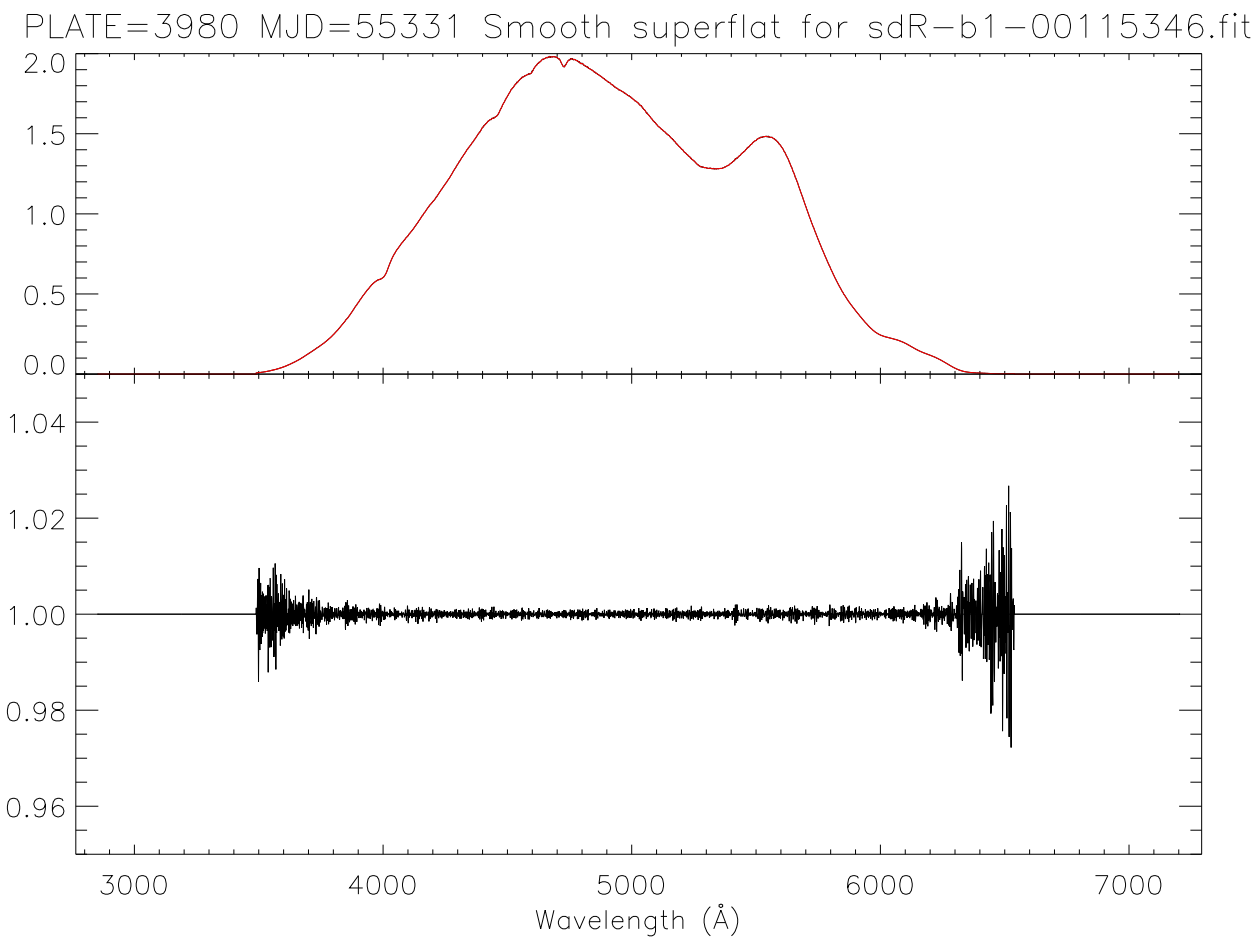

PLATE=3980 MJD=55331 sdR-b1-00115345.fit Skyline Flux at 4359.5
Flux (4359.5)/Airmass
RED = sky fiber
Dispersion = 11.51 %
Fiber number
Flux (4359.5)/Airmass
Focal Distance [mm]
Flux (4359.5)/Airmass
Airmass

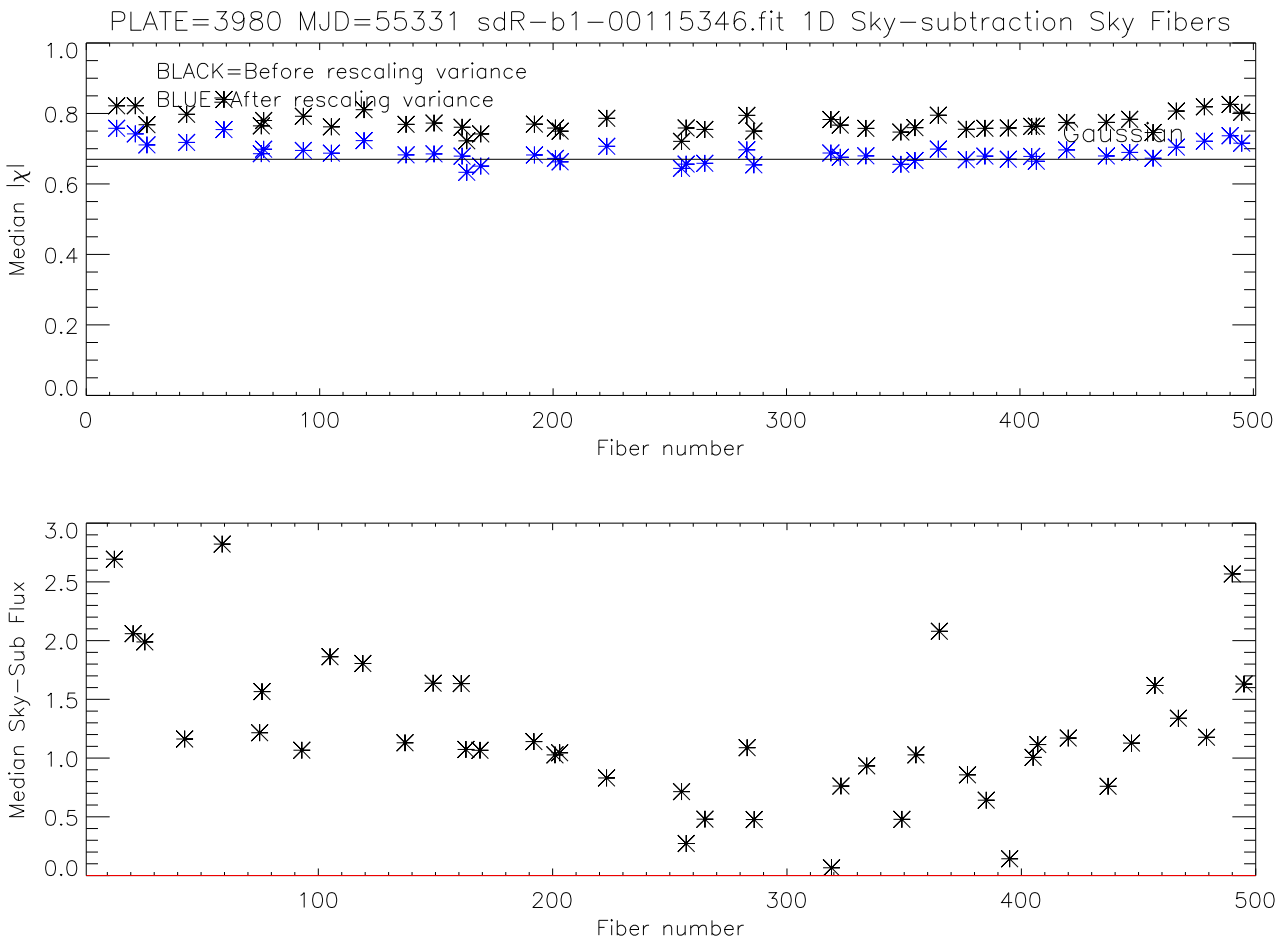

PLATE=3980 MJD=55331 sdR-b1-00115345.fit Skyline Flux at 5578.9
Flux (5578.9)/Airmass
RED = sky fiber
Dispersion = 1.32 %
Fiber number
Flux (5578.9)/Airmass
Focal Distance [mm]
Flux (5578.9)/Airmass
Airmass

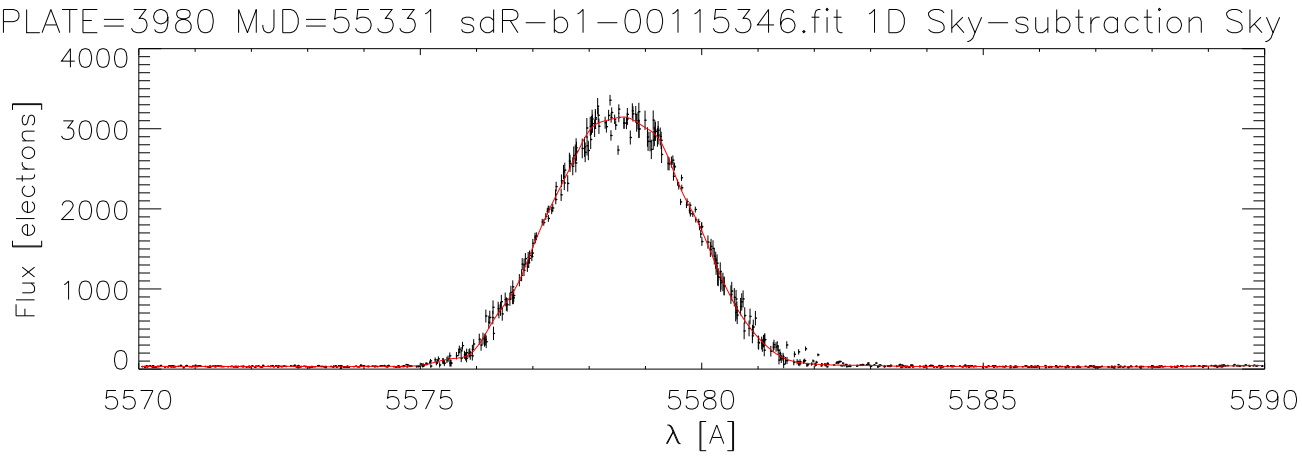

PLATE=3980 MJD=55331 Fiber−Flats for sdR−b1−00115347.fit
BLACK = Median value
ENVELOPE = 95% of points
GREEN = Outlier points
Min value = −4.763
Max value = 10.139
Fiber−Flat
1.5
1.0
0.5
0.0
3000
4000
5000
6000
7000
λ [A]
Sun Aug 28 11:15:57 2011

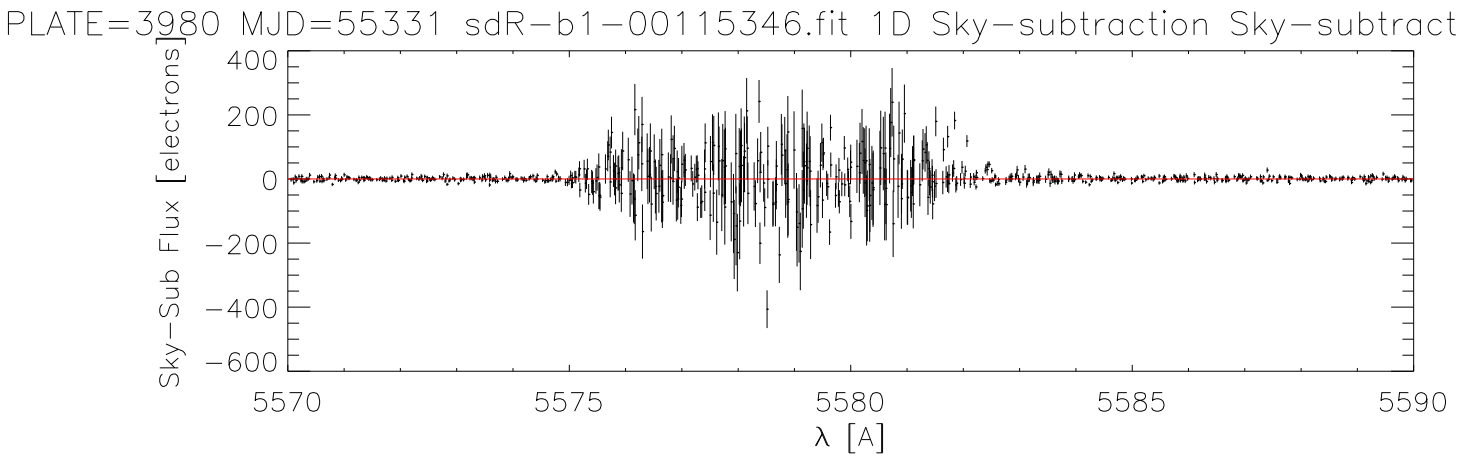

PLATE=3980 MJD=55331 Extraction chi^2 for sdR−b1−00115346.fit
BLACK = Final chisq extraction
χ^2
1.5
1.0
0.5
0.0
0
1000
2000
3000
4000
Row number


PLATE=3980 MJD=55331 Sky Line Deviations for sdR-b1-00115346.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

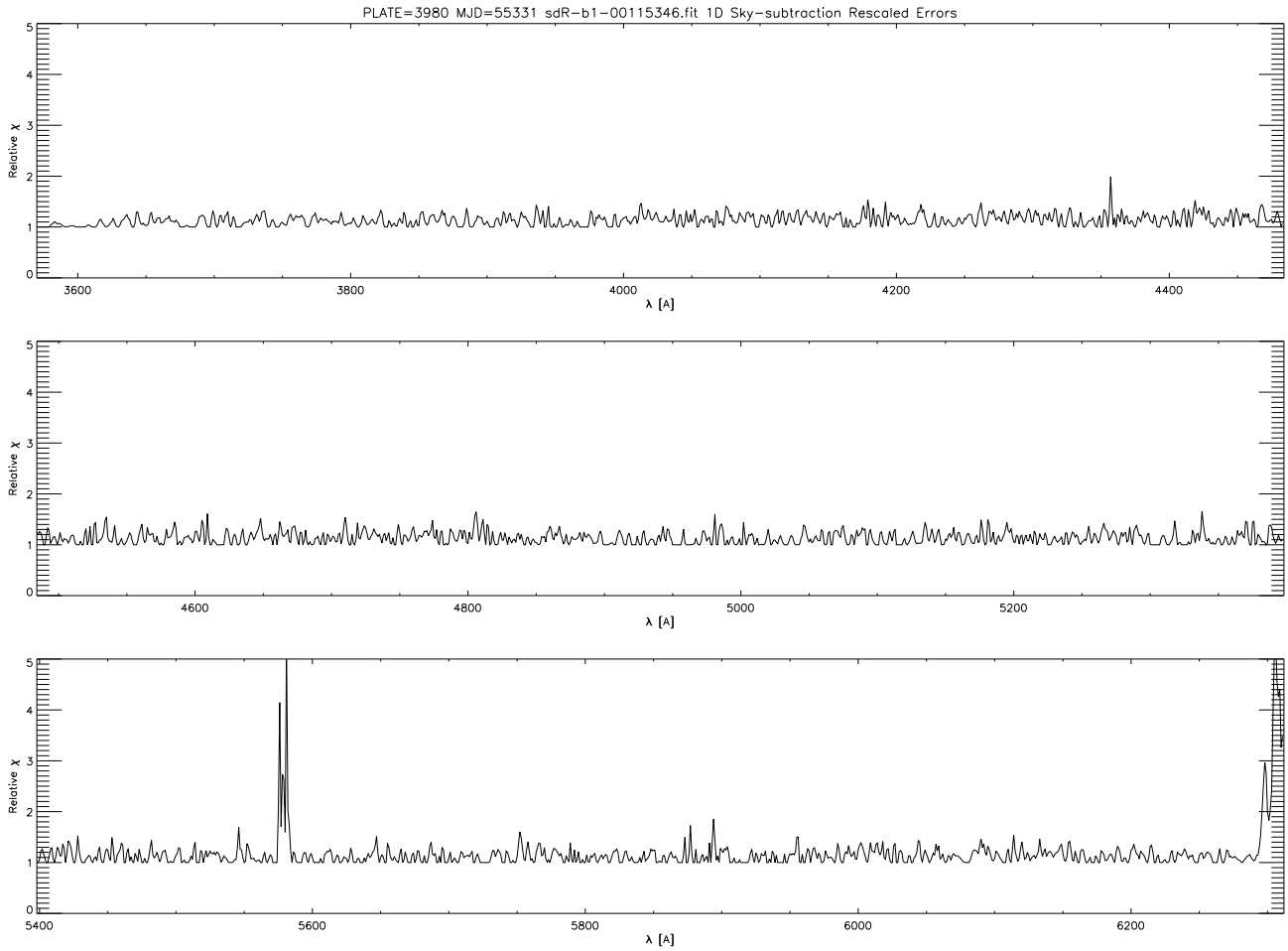

PLATE=3980 MJD=55331 Smooth superflat for sdR-b1-00115346.fit
2.0
1.5
1.0
0.5
0.0
1.04
1.02
1.00
0.98
0.96
3000
4000
5000
6000
7000
Wavelength (Å)

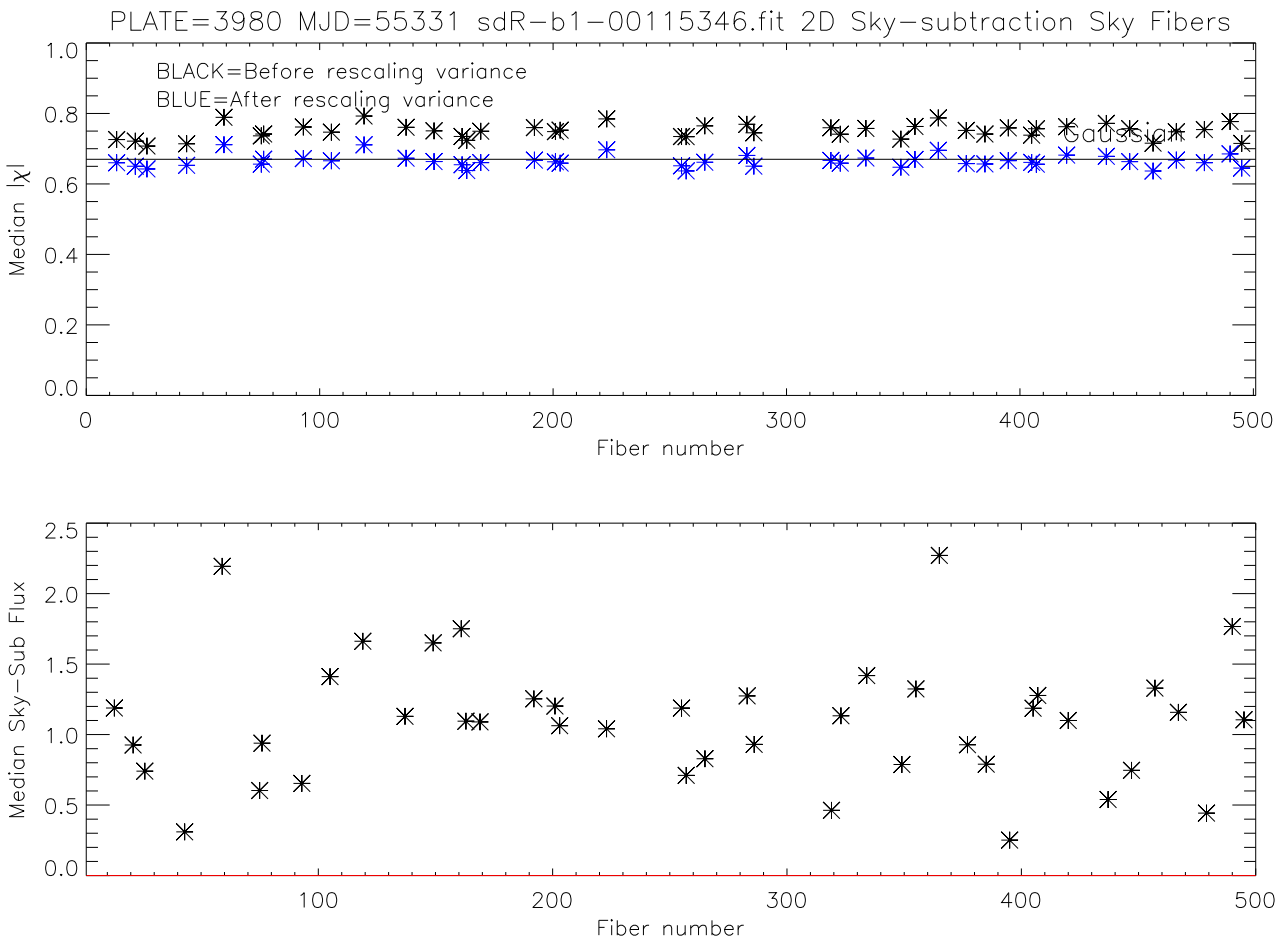

PLATE=3980 MJD=55331 sdR-b1-00115346.fit 1D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number


PLATE=3980 MJD=55331 sdR-b1-00115346.fit 1D Sky-subtraction Sky Fibers
Flux [electrons]
4000
3000
2000
1000
0
5570
5575
5580
5585
5590
λ [A]

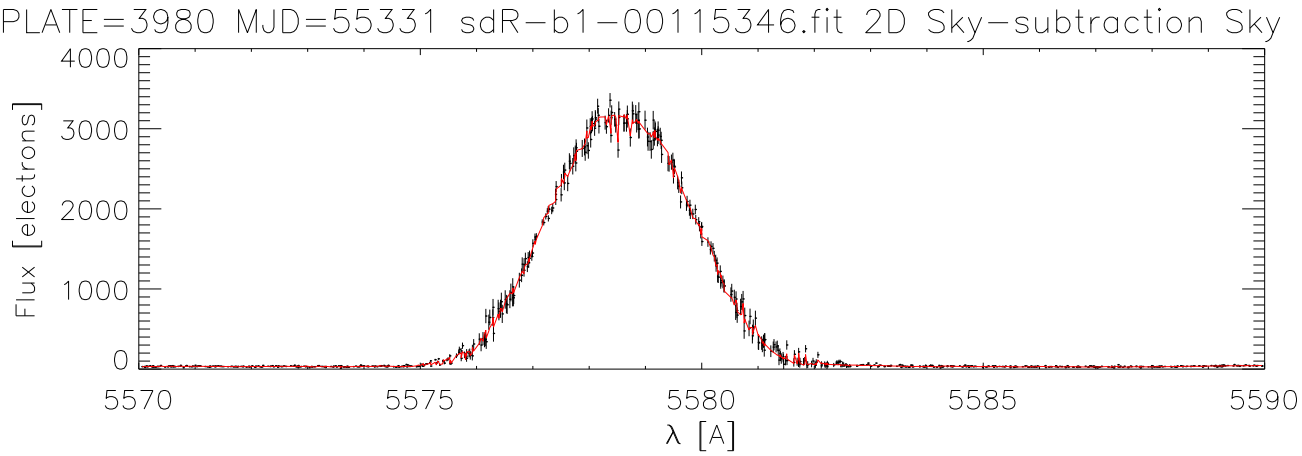

PLATE=3980 MJD=55331 sdR-b1-00115346.fit 1D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
400
200
0
-200
-400
-600
5570
5575
5580
5585
5590
λ [A]

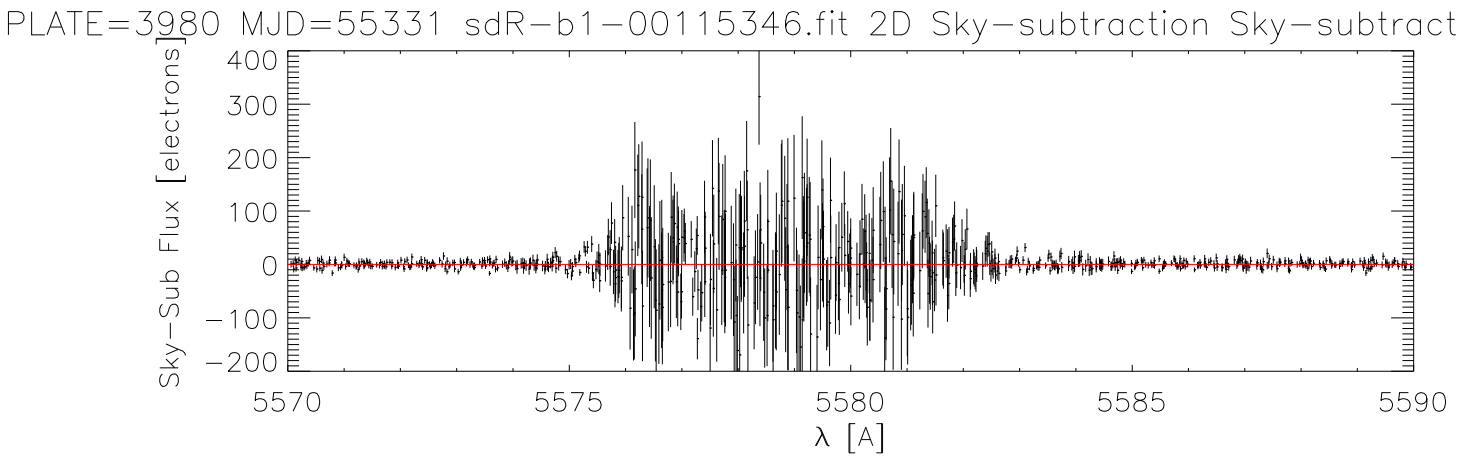
Number of sky fibers = 43



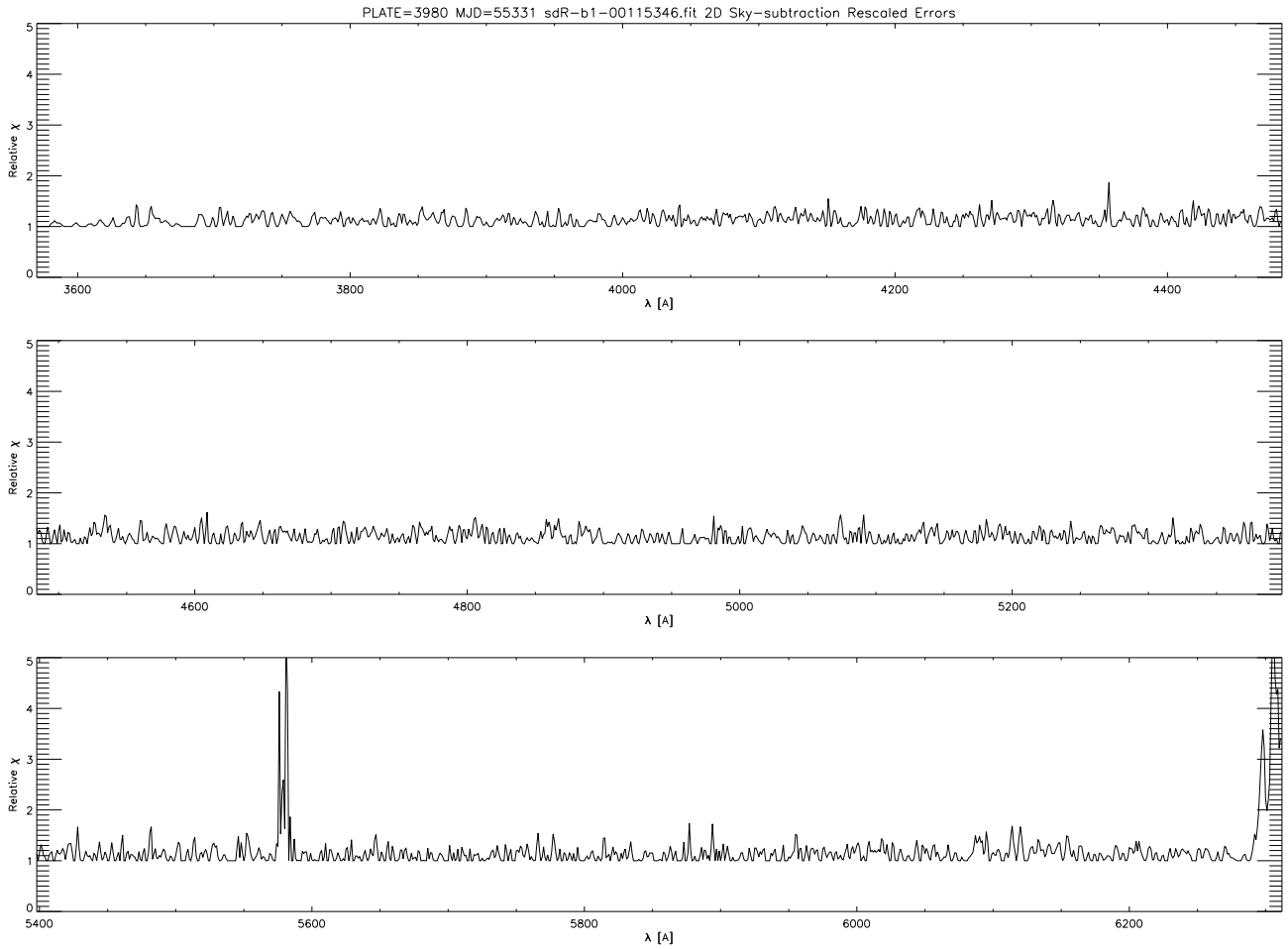

PLATE=3980 MJD=55331 sdR-b1-00115346.fit 2D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
1.0
0.8
0.6
0.4
0.2
0.0
0
100
200
300
400
500

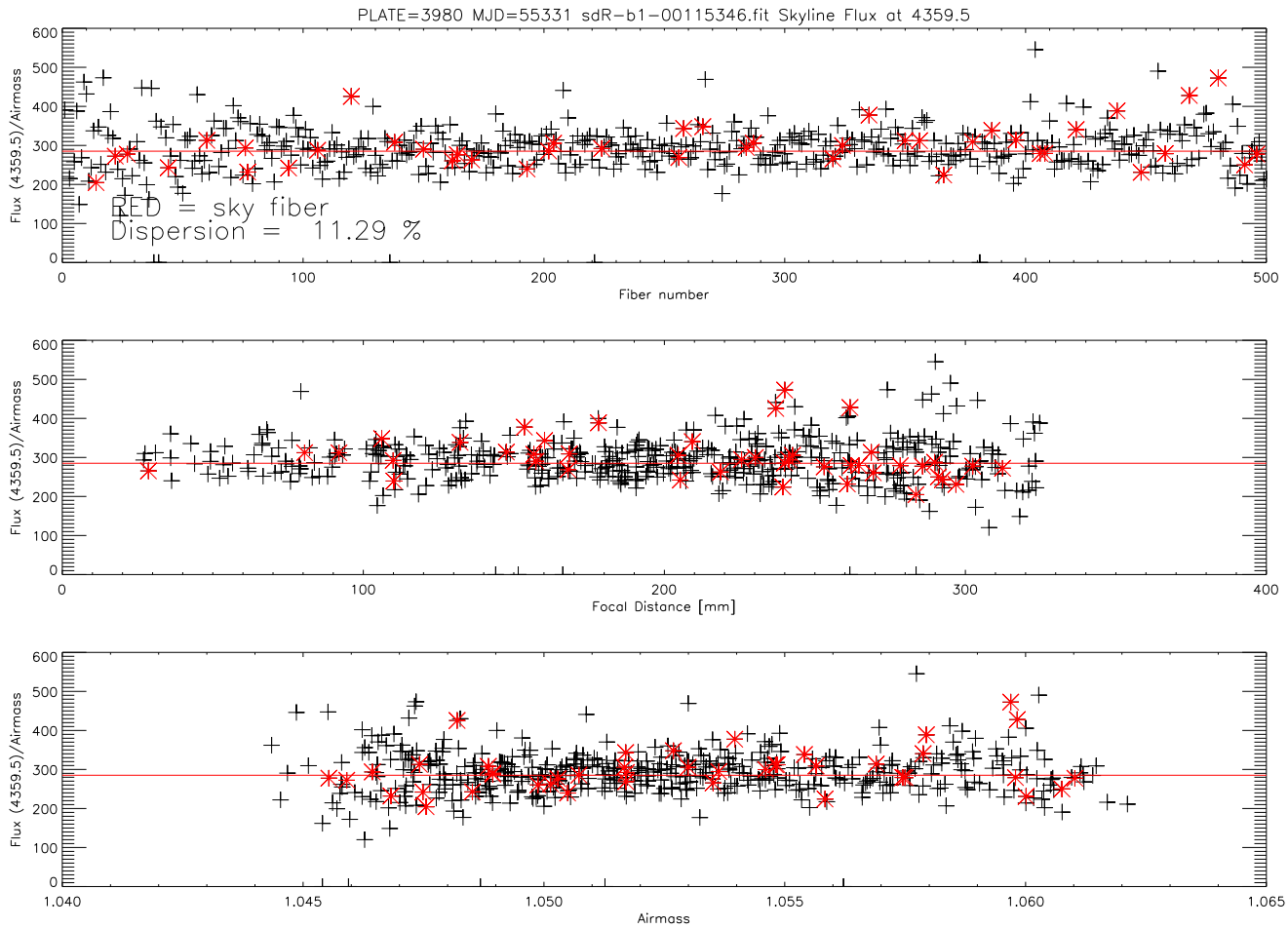
Median Sky-Sub Flux
Fiber number
2.5
2.0
1.5
1.0
0.5
0.0
100
200
300
400
500

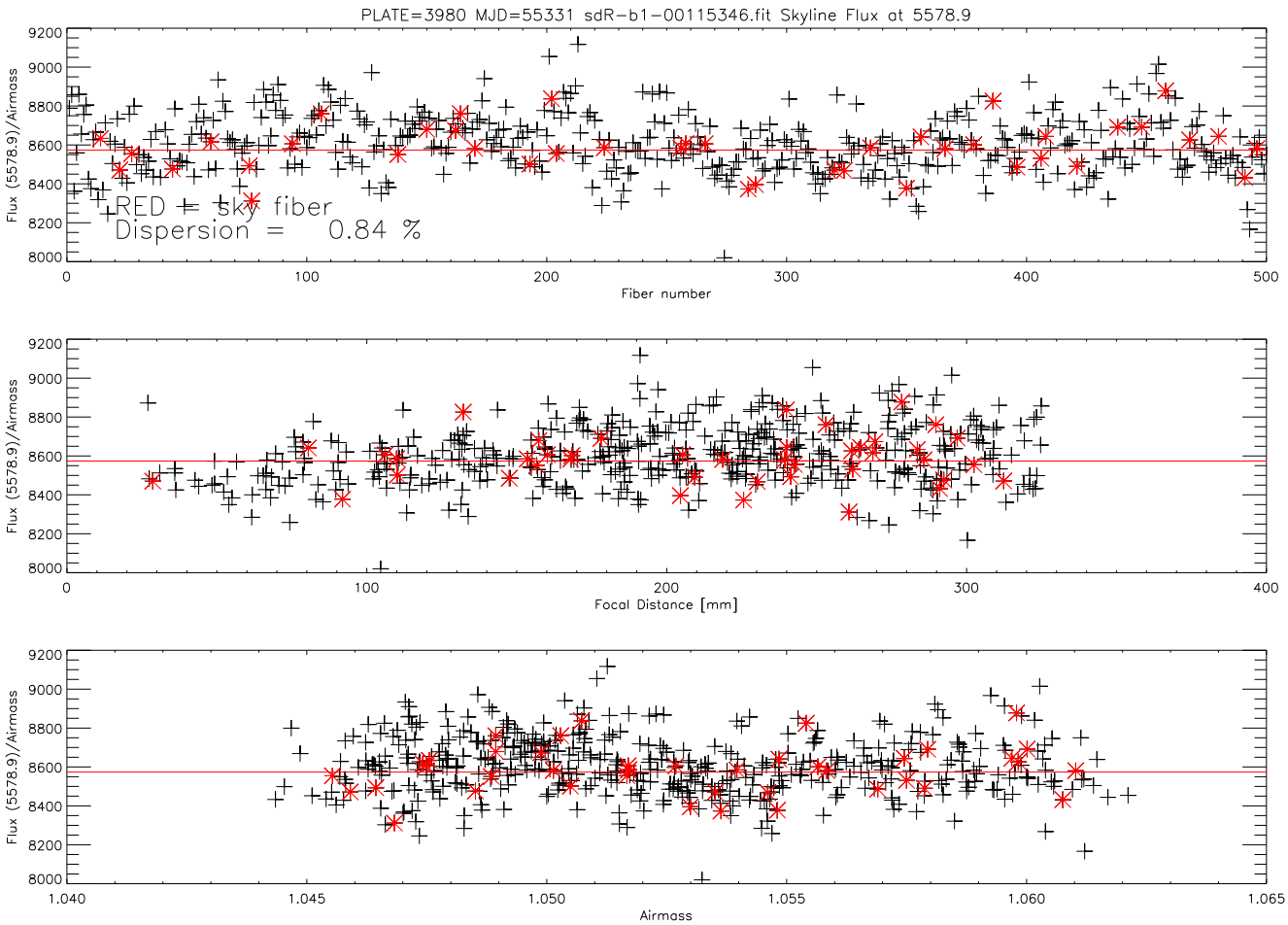

PLATE=3980 MJD=55331 sdR-b1-00115346.fit 2D Sky-subtraction Sky Fibers
Flux [electrons]
4000
3000
2000
1000
0
5570
5575
5580
5585
5590
λ [A]


PLATE=3980 MJD=55331 sdR-b1-00115346.fit 2D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
400
300
200
100
0
-100
-200
5570
5575
5580
5585
5590
λ [A]

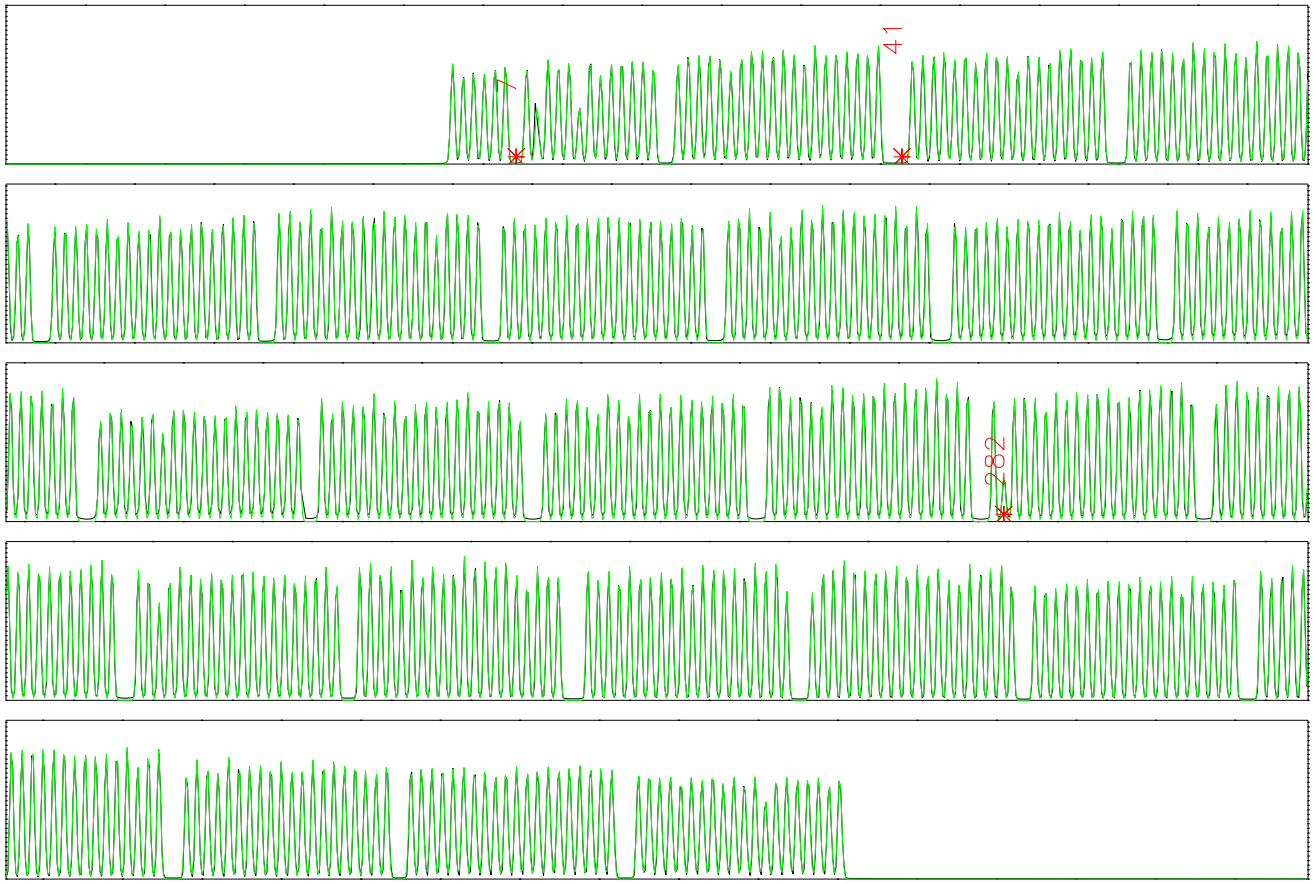
Number of sky fibers = 43



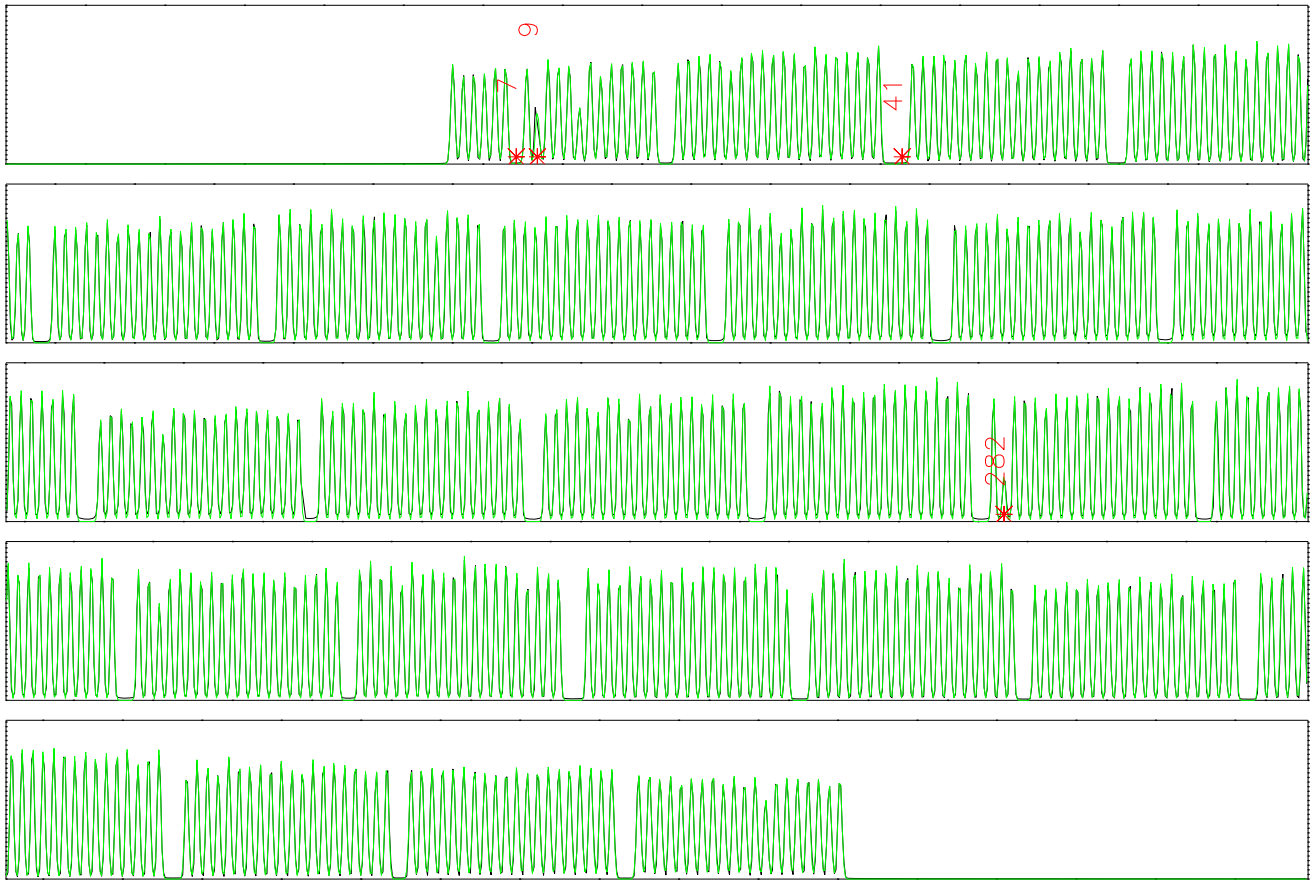

PLATE=3980 MJD=55331 sdR-b1-00115346.fit Skyline Flux at 4359.5
Flux (4359.5)/Airmass
Fiber number
RED = sky fiber
Dispersion = 11.29 %
Flux (4359.5)/Airmass
Focal Distance [mm]
Flux (4359.5)/Airmass
Airmass


PLATE=3980 MJD=55331 sdR-b1-00115346.fit Skyline Flux at 5578.9
Flux (5578.9)/Airmass
RED = sky fiber
Dispersion = 0.84 %
Fiber number
Flux (5578.9)/Airmass
Focal Distance [mm]
Flux (5578.9)/Airmass
Airmass

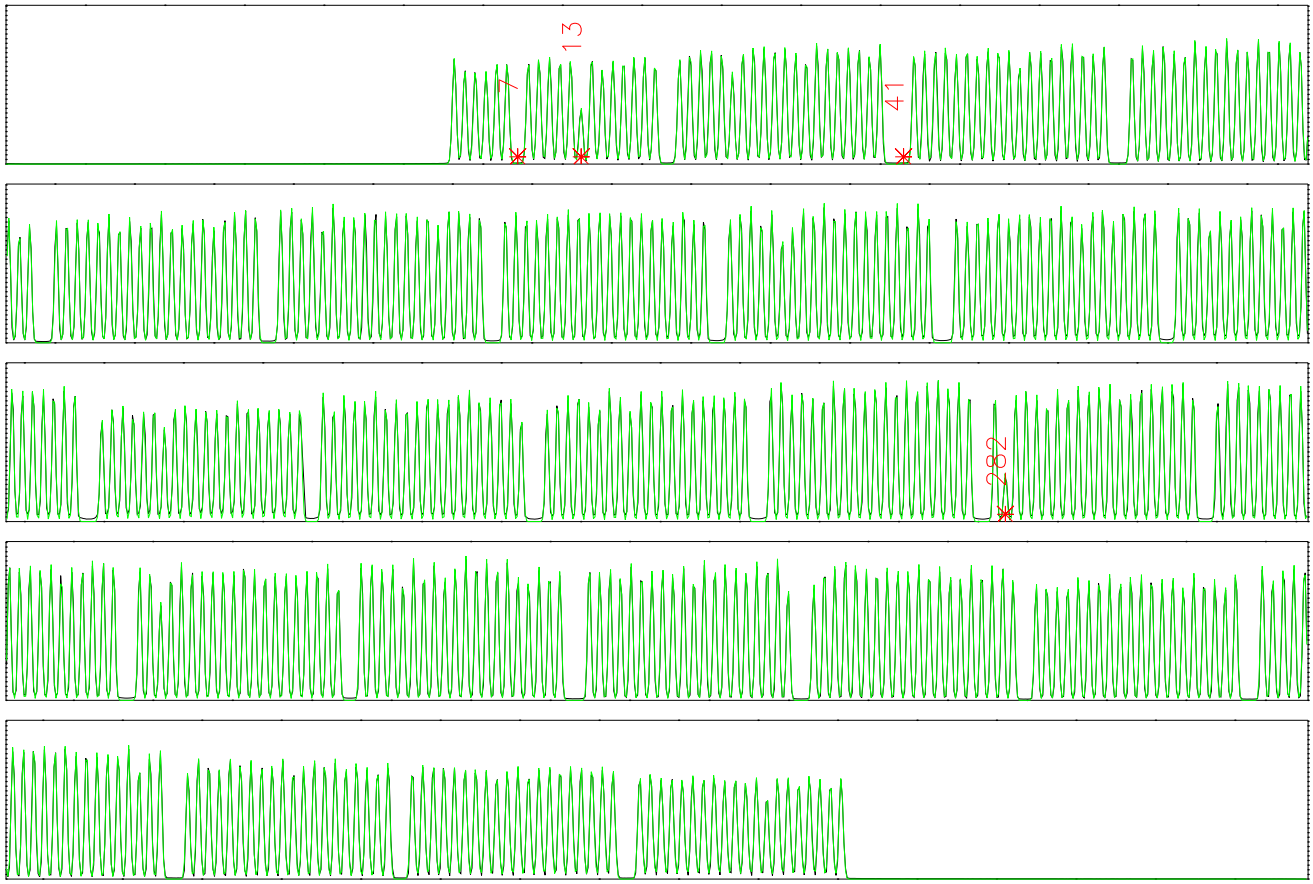
PLATE=3980 MJD=55331 Traces sdR-b2-00115334.fit



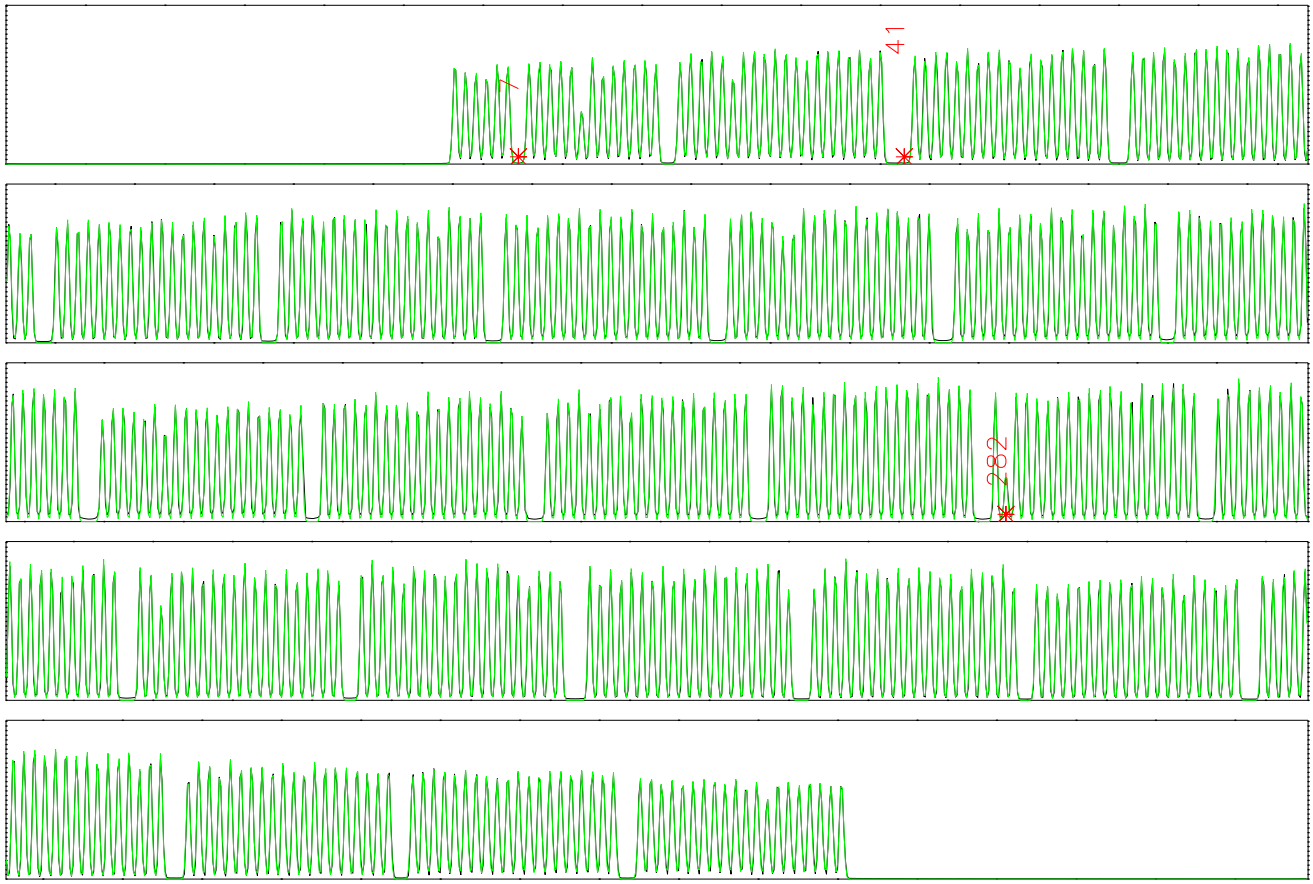
PLATE=3980 MJD=55331 Traces sdR-b2-00115338.fit

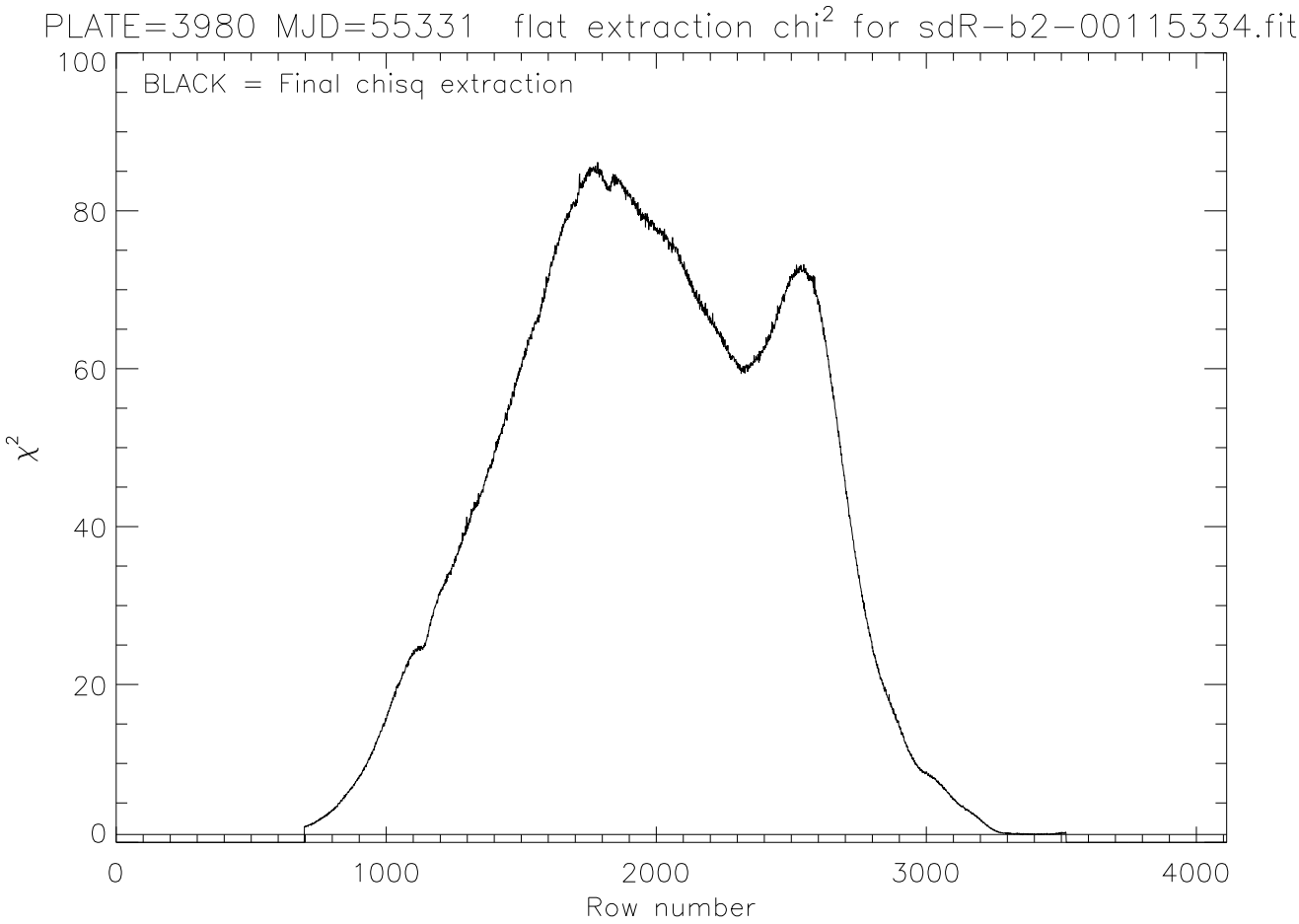


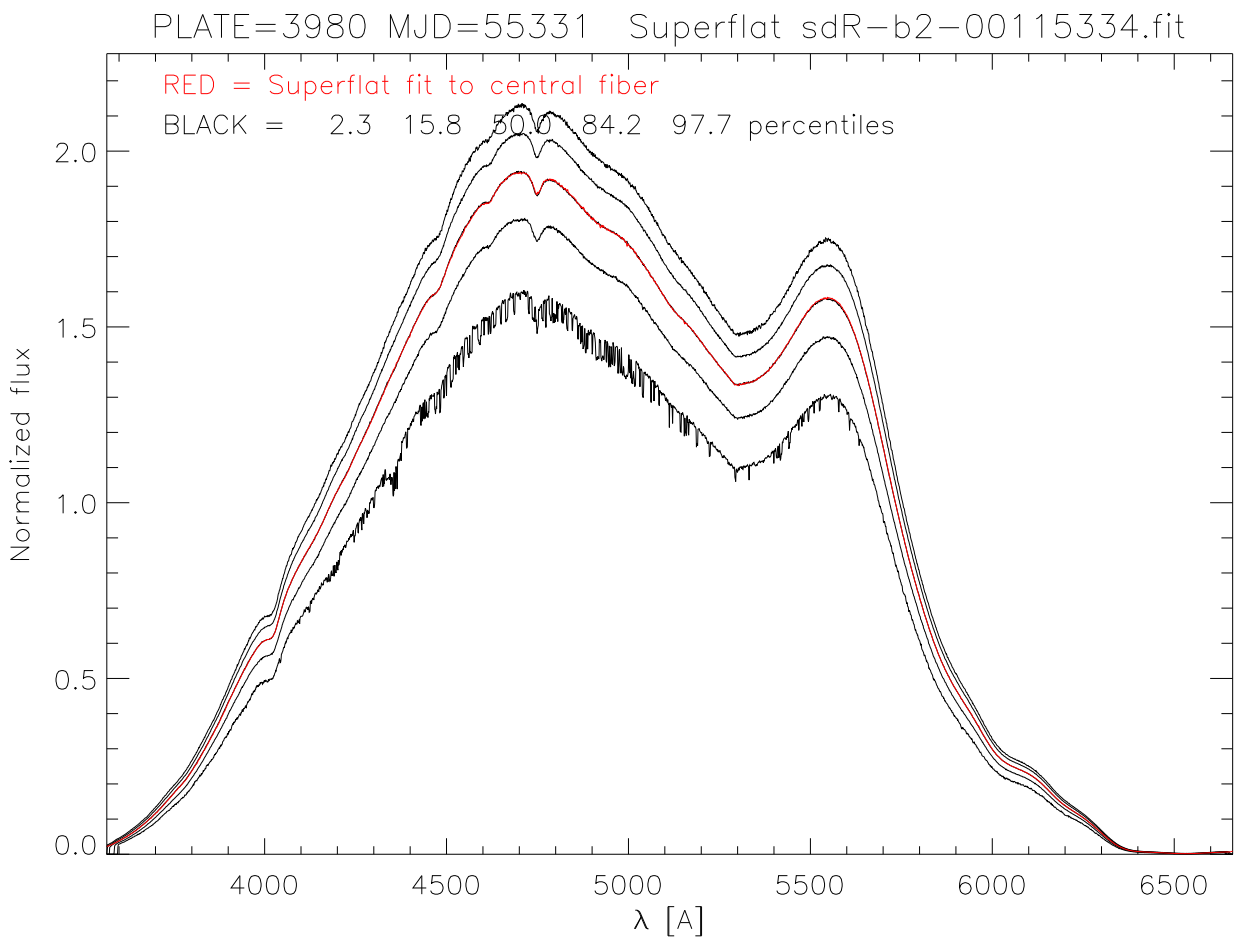
PLATE=3980 MJD=55331 Traces sdR-b2-00115342.fit

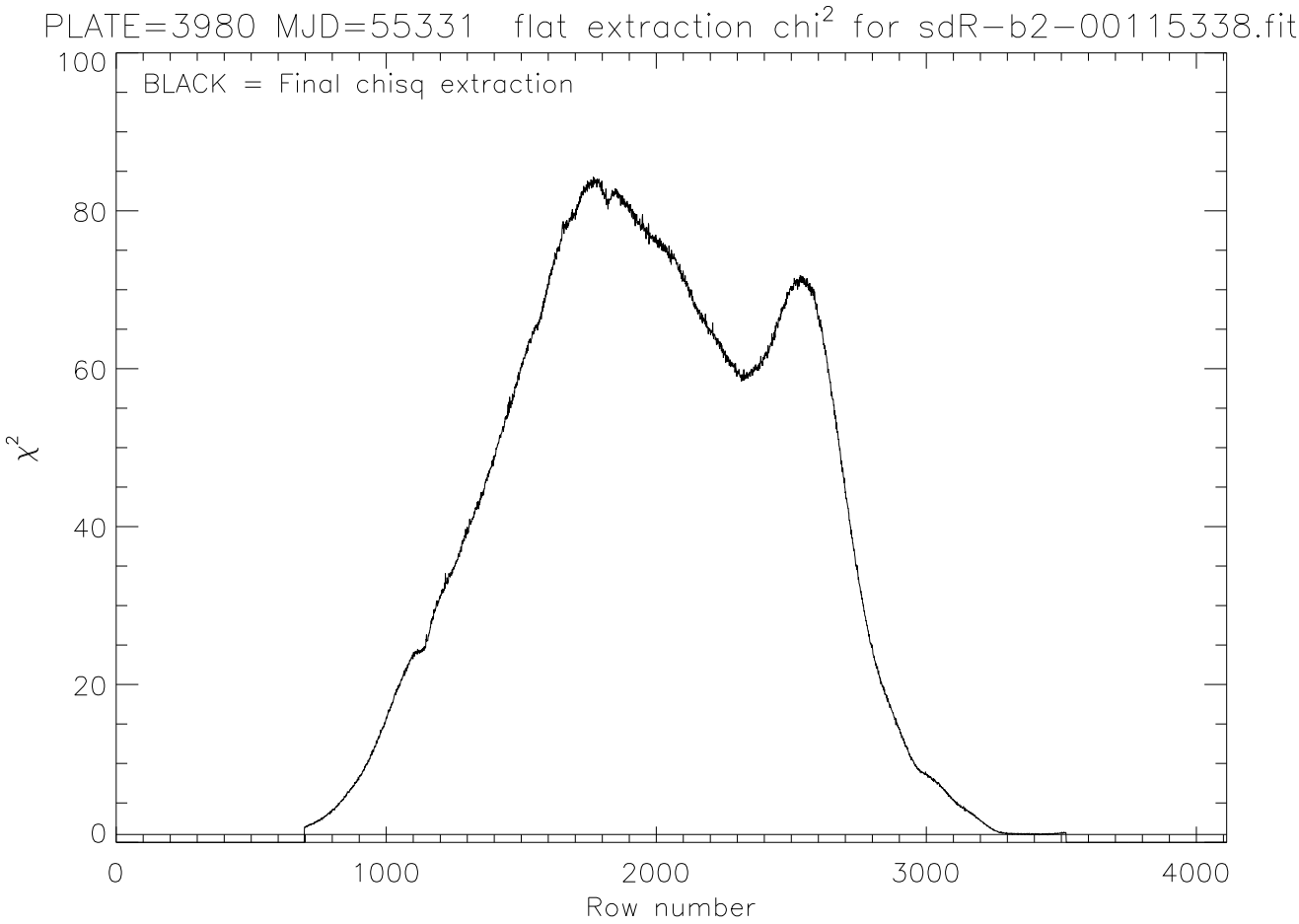


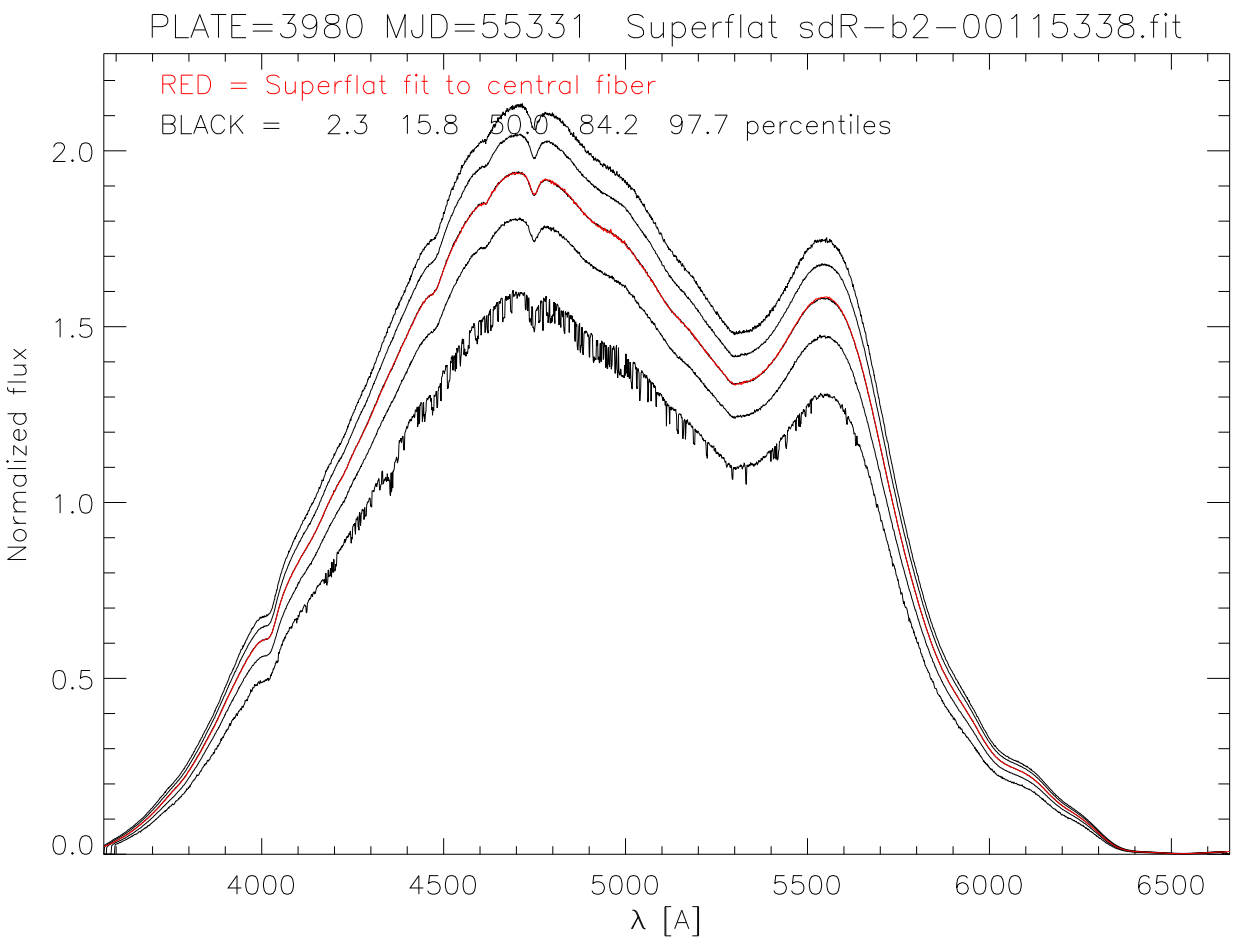
PLATE=3980 MJD=55331 Traces sdR-b2-00115347.fit

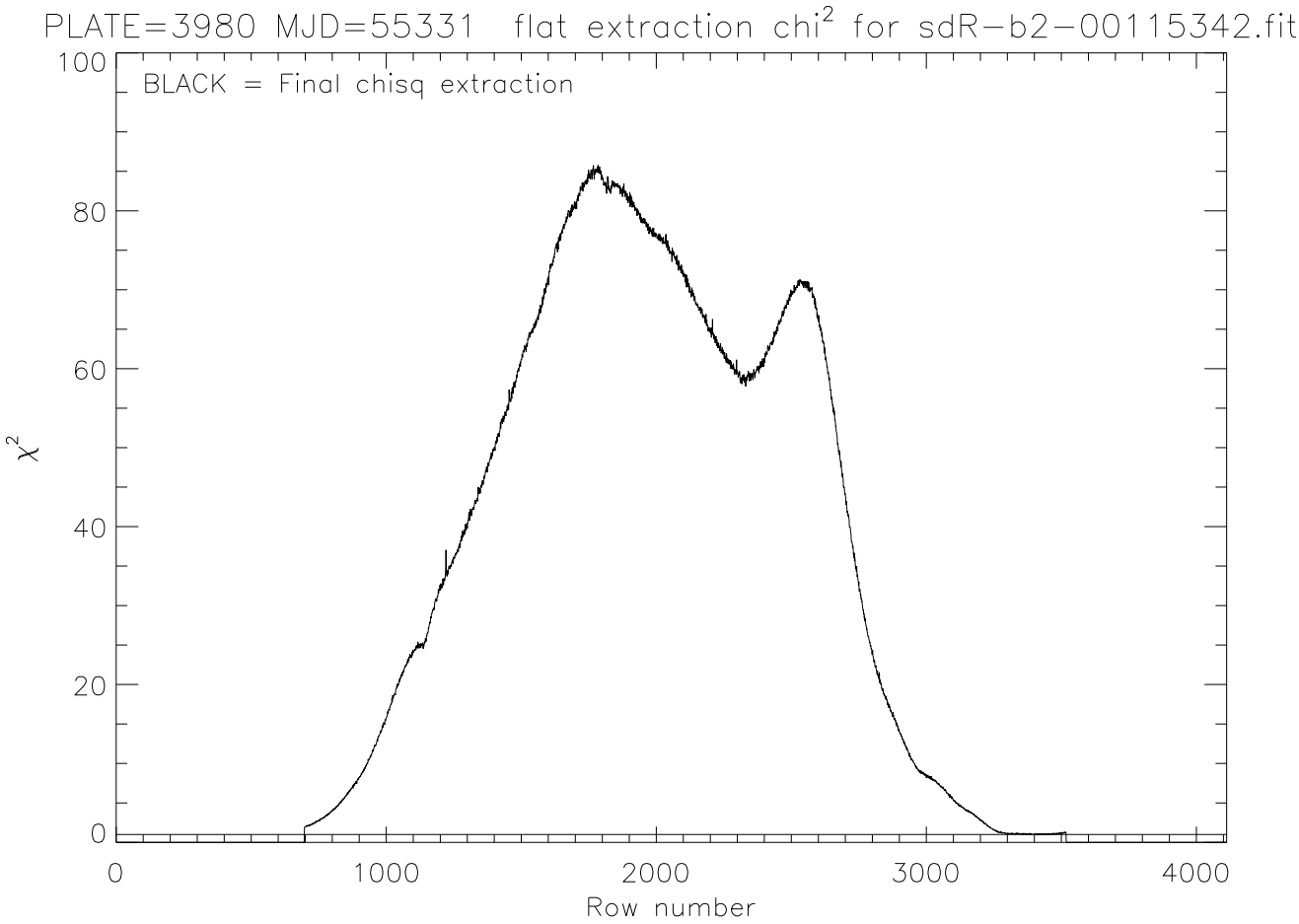


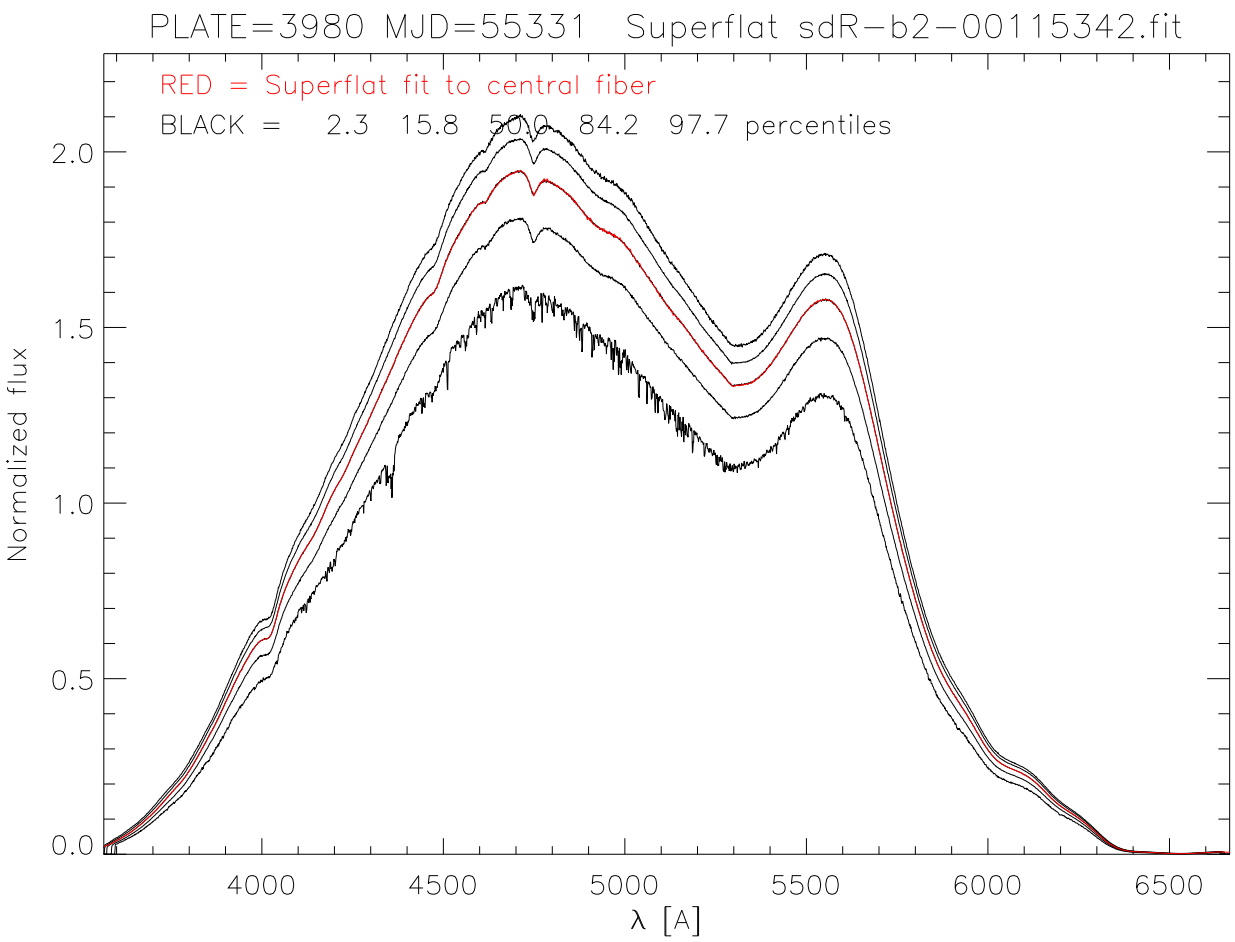

PLATE=3980 MJD=55331 flat extraction chi^2 for sdR−b2−00115334.fit
BLACK = Final chisq extraction
χ^2
Row number
0
20
40
60
80
100
0
1000
2000
3000
4000

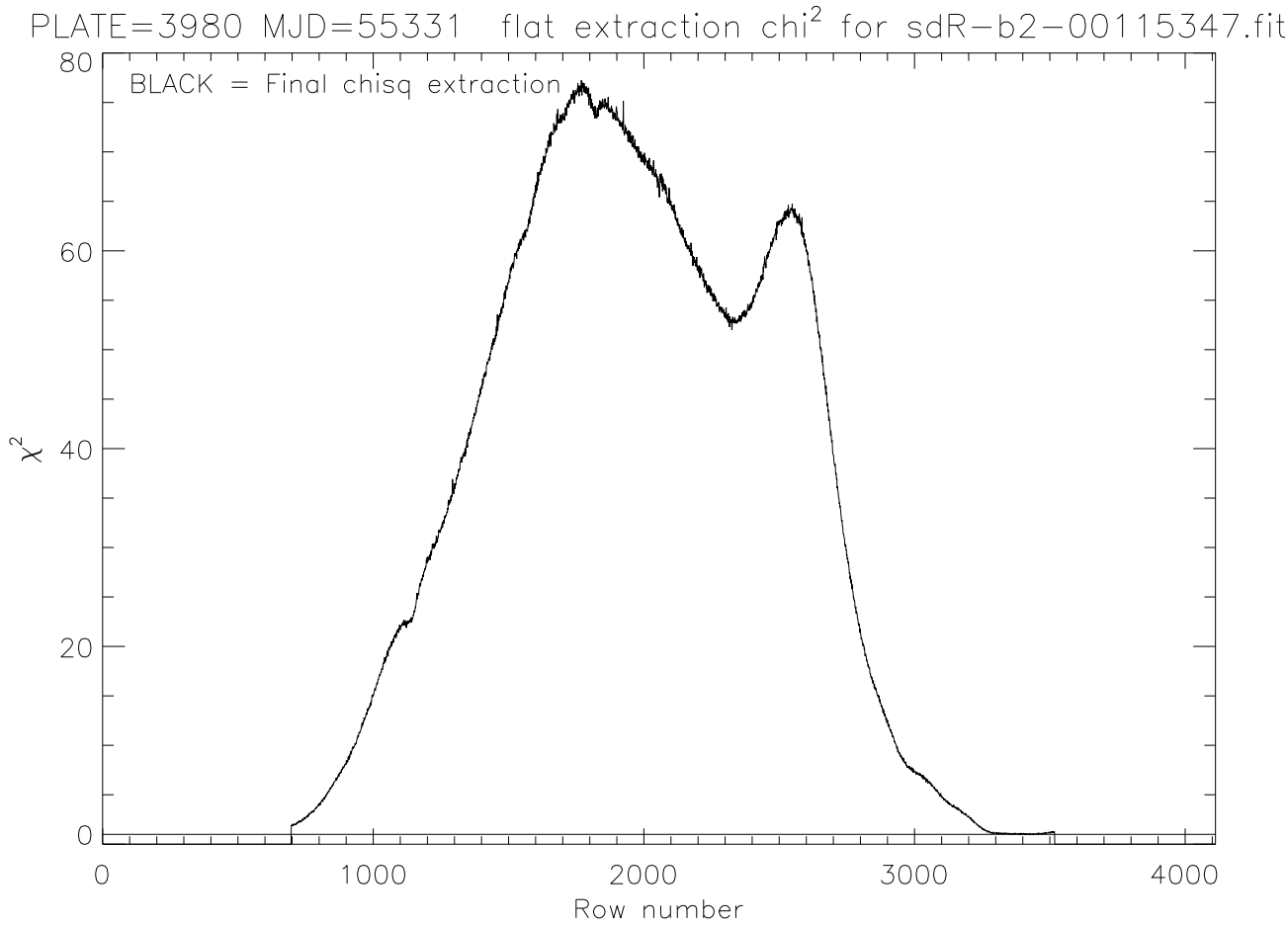

PLATE=3980 MJD=55331 Superflat sdR-b2-00115334.fit
RED = Superflat fit to central fiber
BLACK = 2.3 15.8 50.0 84.2 97.7 percentiles
Normalized flux
0.0
0.5
1.0
1.5
2.0
4000
4500
5000
5500
6000
6500
λ [A]

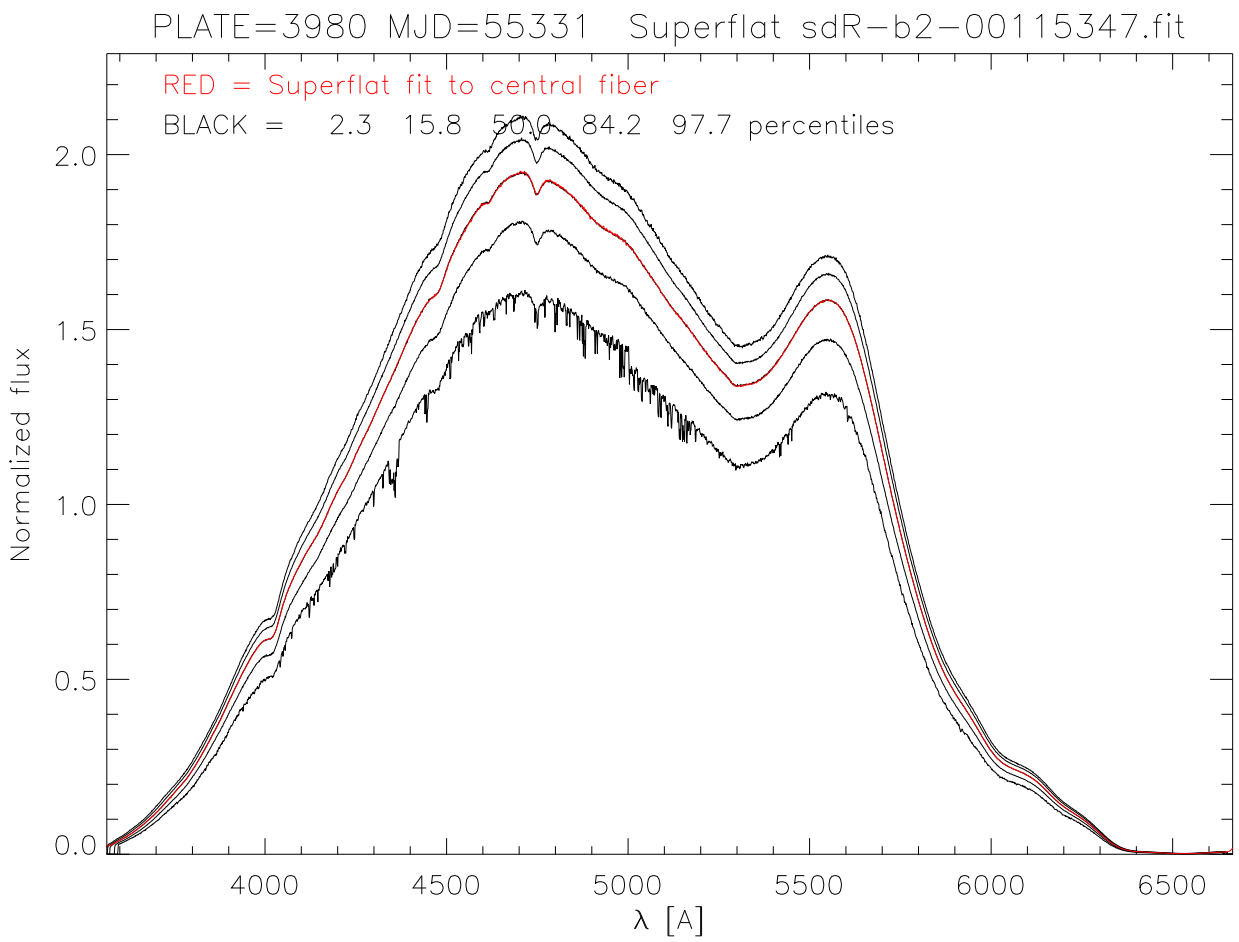

PLATE=3980 MJD=55331 flat extraction chi^2 for sdR−b2−00115338.fit
BLACK = Final chisq extraction
χ^2
Row number
0
20
40
60
80
100
0
1000
2000
3000
4000

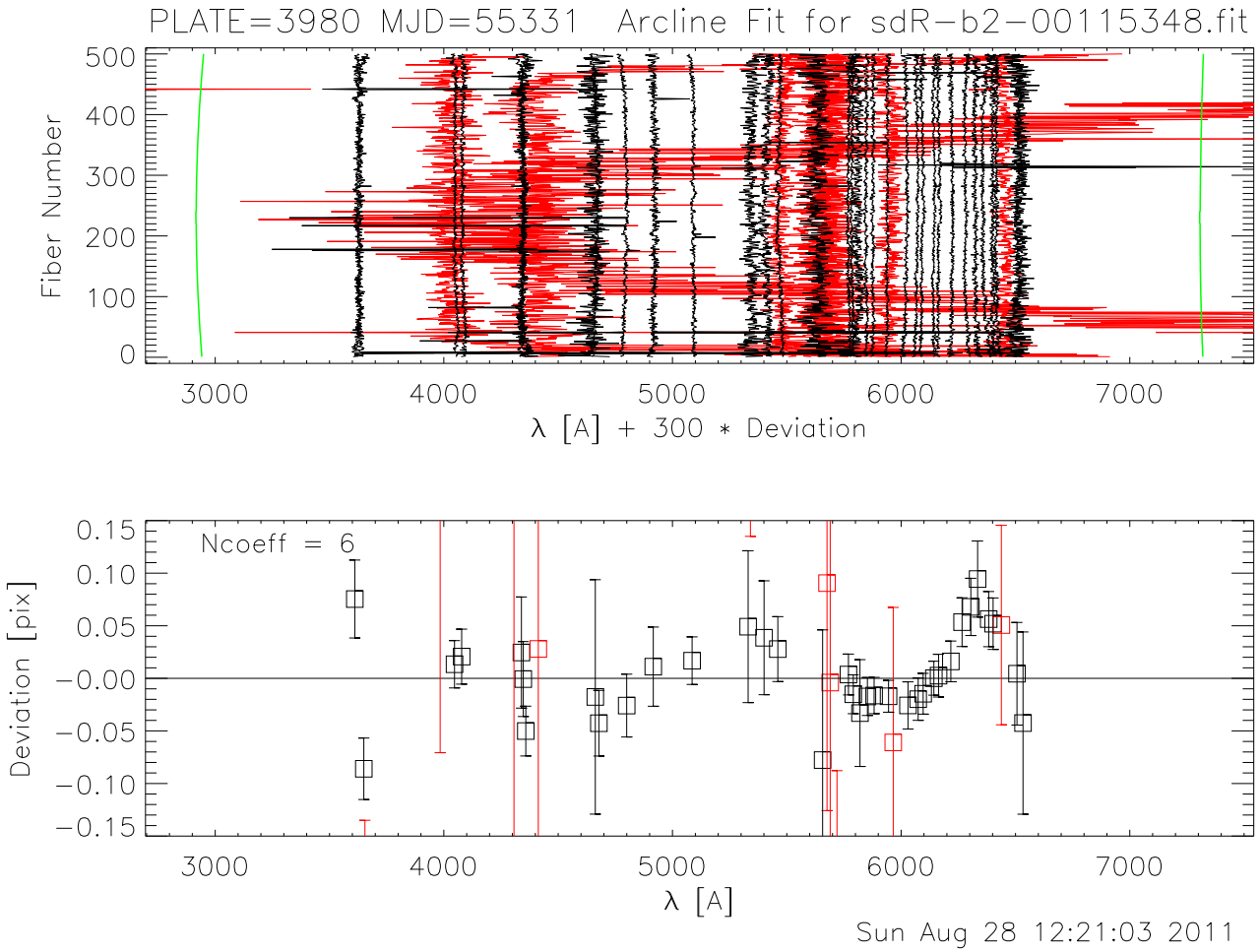

PLATE=3980 MJD=55331 Superflat sdR-b2-00115338.fit
RED = Superflat fit to central fiber
BLACK = 2.3 15.8 50.0 84.2 97.7 percentiles
Normalized flux
λ [A]
0.0
0.5
1.0
1.5
2.0
4000
4500
5000
5500
6000
6500

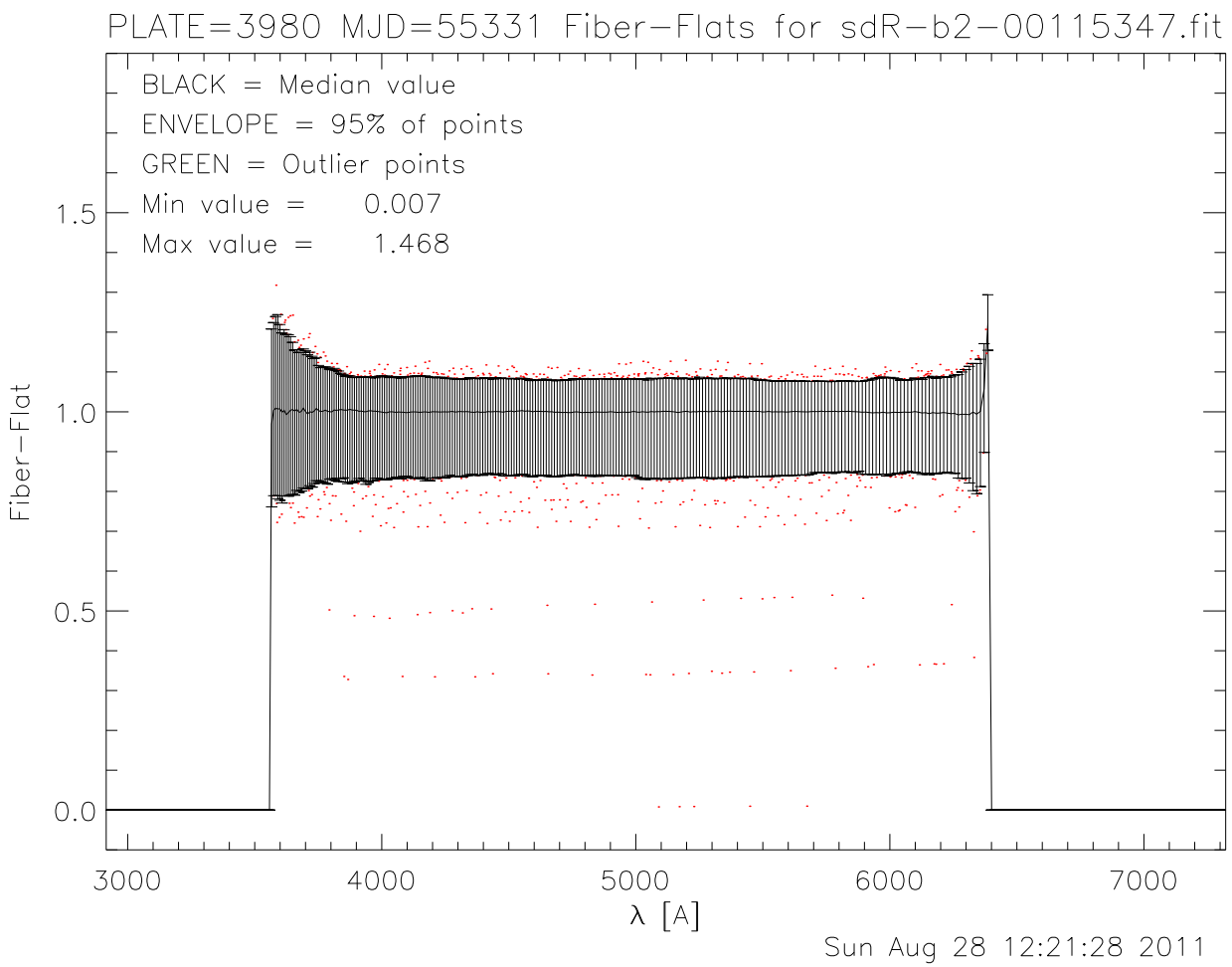

PLATE=3980 MJD=55331 flat extraction chi^2 for sdR−b2−00115342.fit
BLACK = Final chisq extraction
χ^2
Row number
0
20
40
60
80
100
0
1000
2000
3000
4000

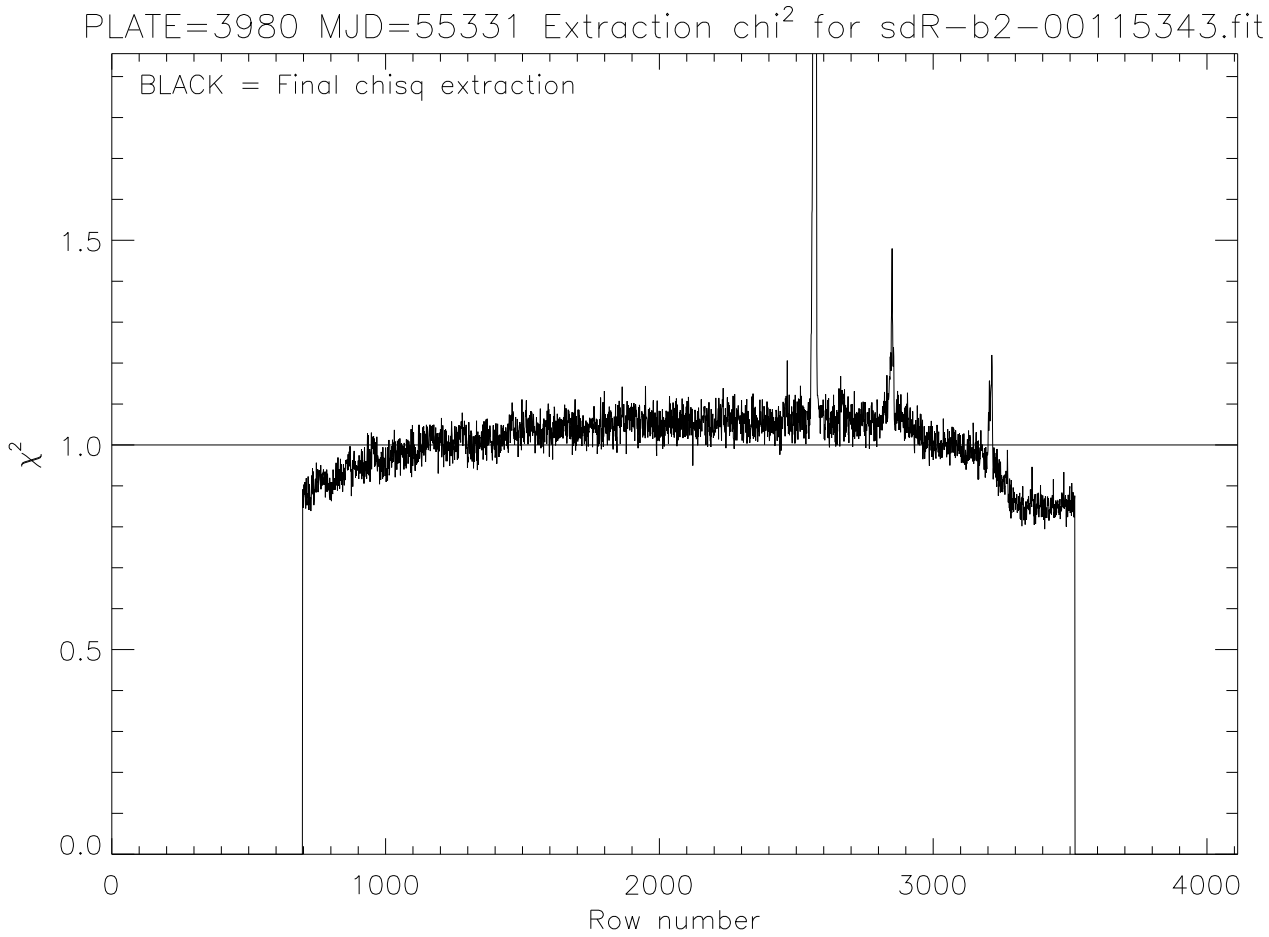

PLATE=3980 MJD=55331 Superflat sdR-b2-00115342.fit
RED = Superflat fit to central fiber
BLACK = 2.3 15.8 50.0 84.2 97.7 percentiles
Normalized flux
λ [A]
0.0
0.5
1.0
1.5
2.0
4000
4500
5000
5500
6000
6500

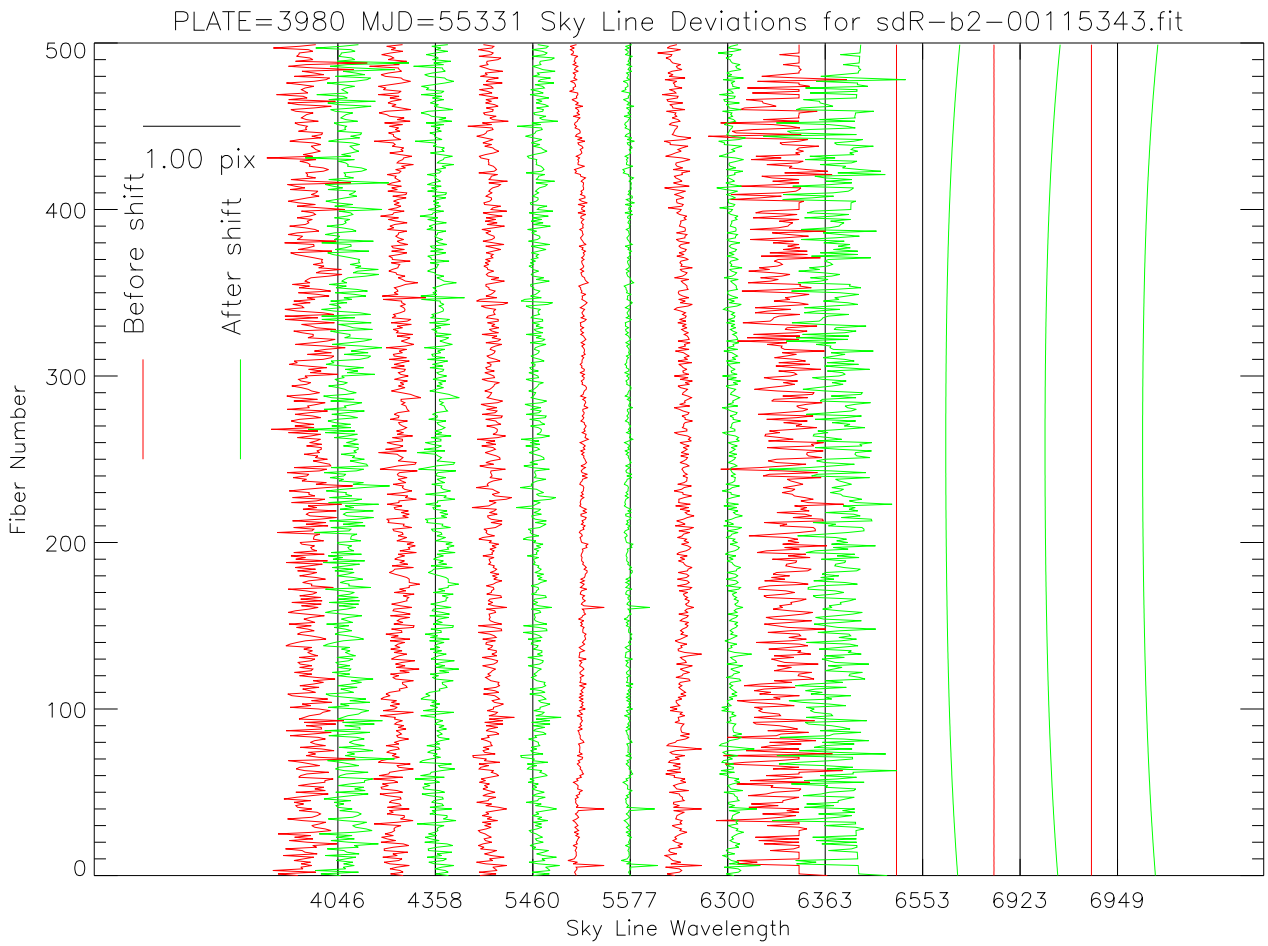

PLATE=3980 MJD=55331 flat extraction chi^2 for sdR−b2−00115347.fit
BLACK = Final chisq extraction
χ^2
0
20
40
60
80
0
1000
2000
3000
4000
Row number

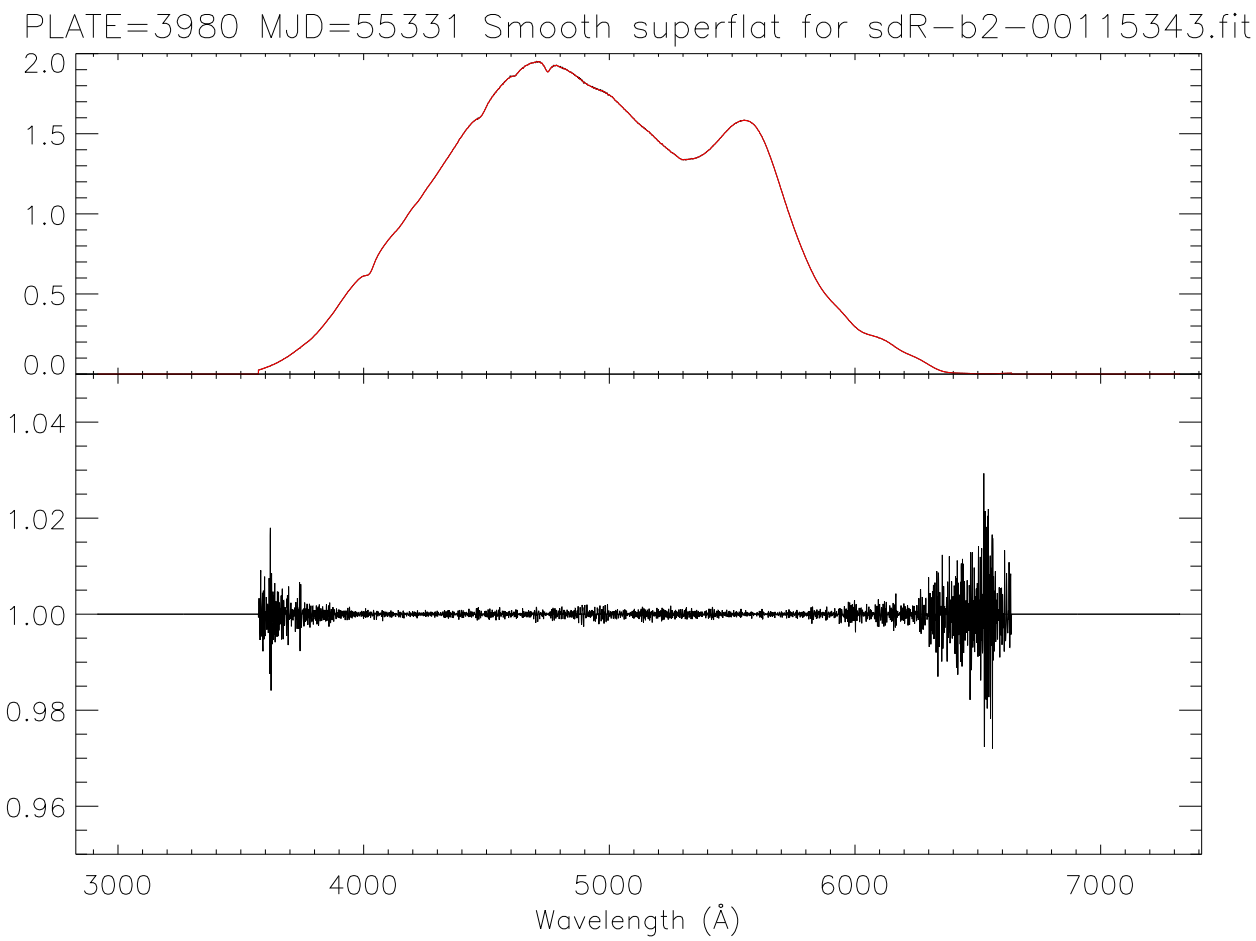

PLATE=3980 MJD=55331 Superflat sdR-b2-00115347.fit
RED = Superflat fit to central fiber
BLACK = 2.3 15.8 50.0 84.2 97.7 percentiles
Normalized flux
0.0
0.5
1.0
1.5
2.0
4000
4500
5000
5500
6000
6500
λ [A]

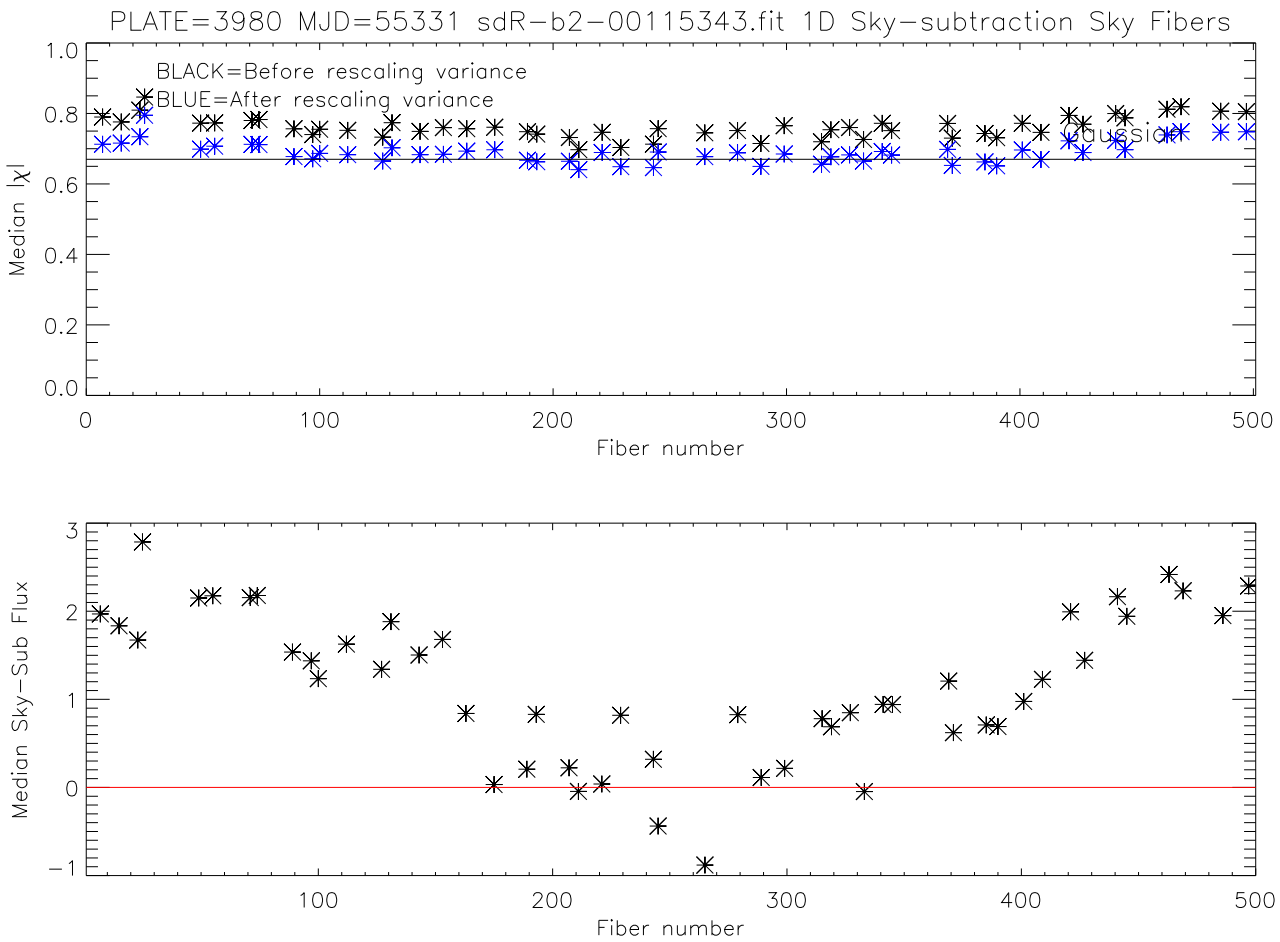

PLATE=3980 MJD=55331 Arcline Fit for sdR-b2-00115348.fit
Fiber Number
500
400
300
200
100
0
3000
4000
5000
6000
7000
λ [A] + 300 * Deviation
Ncoeff = 6
Deviation [pix]
0.15
0.10
0.05
−0.00
−0.05
−0.10
−0.15
3000
4000
5000
6000
7000
λ [A]
Sun Aug 28 12:21:03 2011

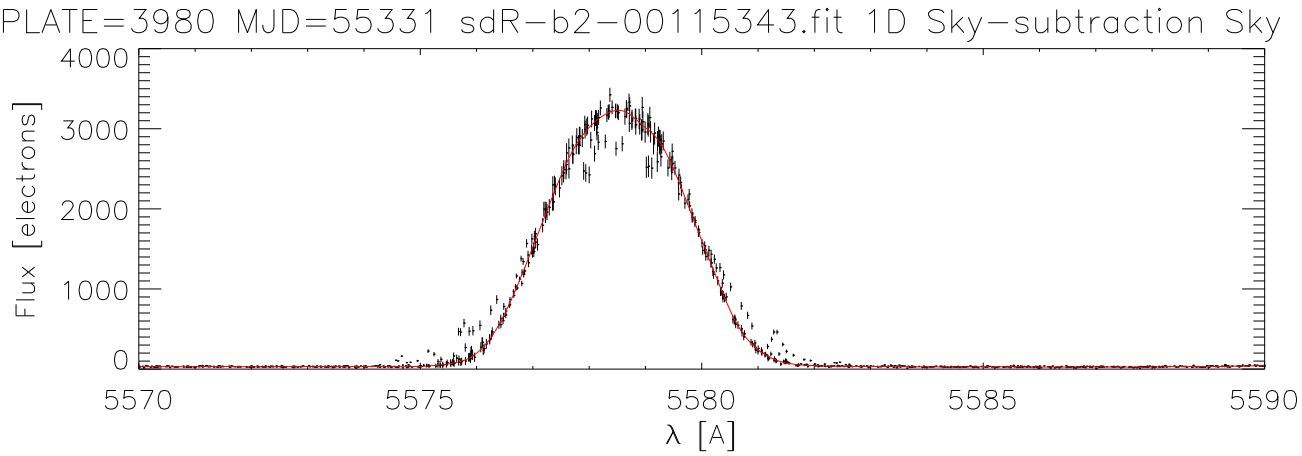

PLATE=3980 MJD=55331 Fiber−Flats for sdR−b2−00115347.fit
BLACK = Median value
ENVELOPE = 95% of points
GREEN = Outlier points
Min value = 0.007
Max value = 1.468
Fiber−Flat
1.5
1.0
0.5
0.0
3000
4000
5000
6000
7000
λ [A]
Sun Aug 28 12:21:28 2011

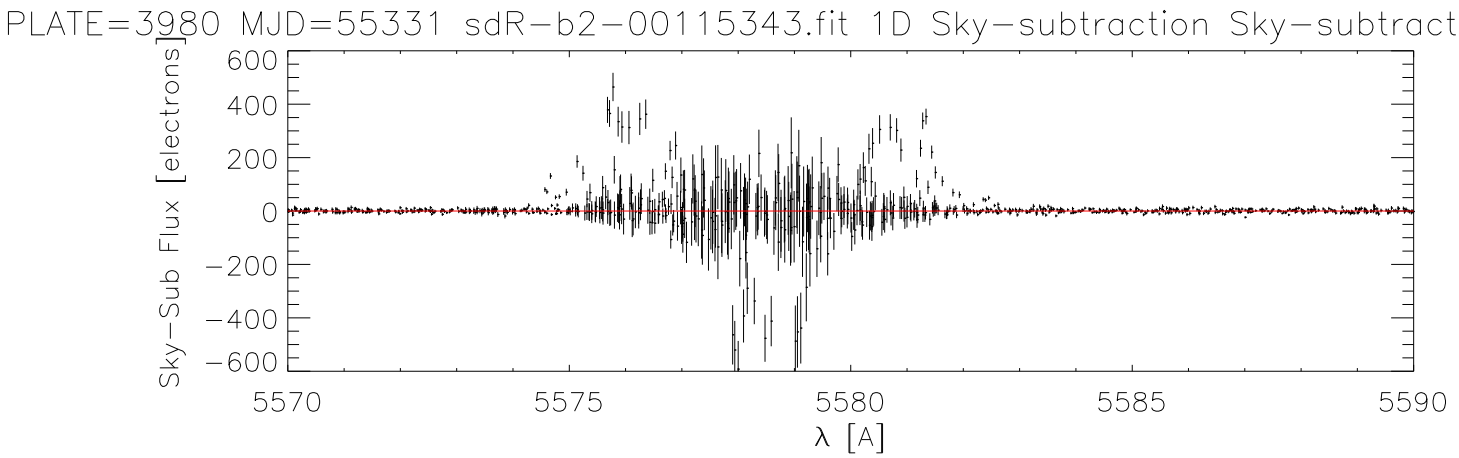

PLATE=3980 MJD=55331 Extraction chi^2 for sdR−b2−00115343.fit
BLACK = Final chisq extraction
χ^2
0.0
0.5
1.0
1.5
0
1000
2000
3000
4000
Row number


PLATE=3980 MJD=55331 Sky Line Deviations for sdR-b2-00115343.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

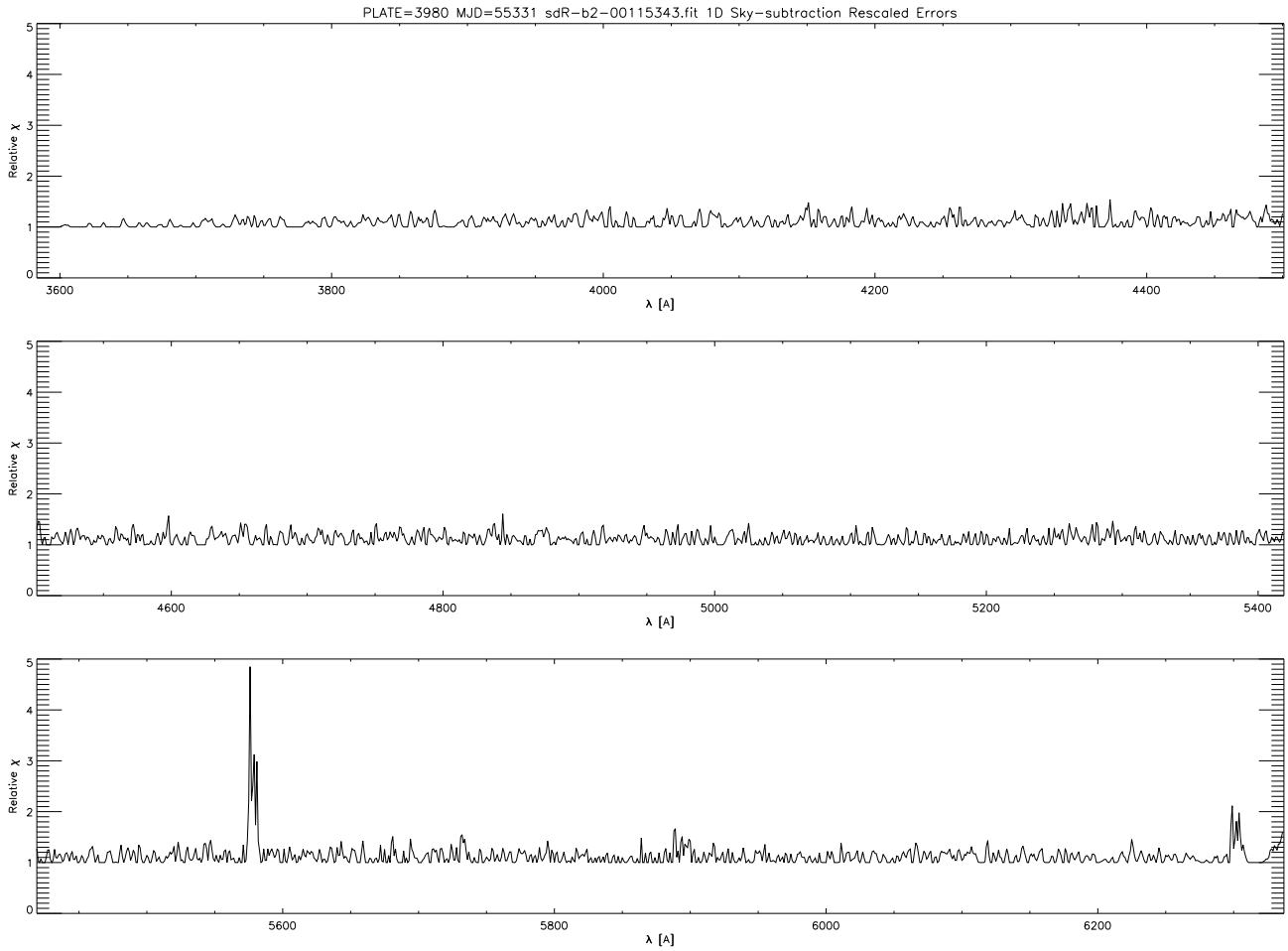

PLATE=3980 MJD=55331 Smooth superflat for sdR-b2-00115343.fit
2.0
1.5
1.0
0.5
0.0
1.04
1.02
1.00
0.98
0.96
3000
4000
5000
6000
7000
Wavelength (Å)

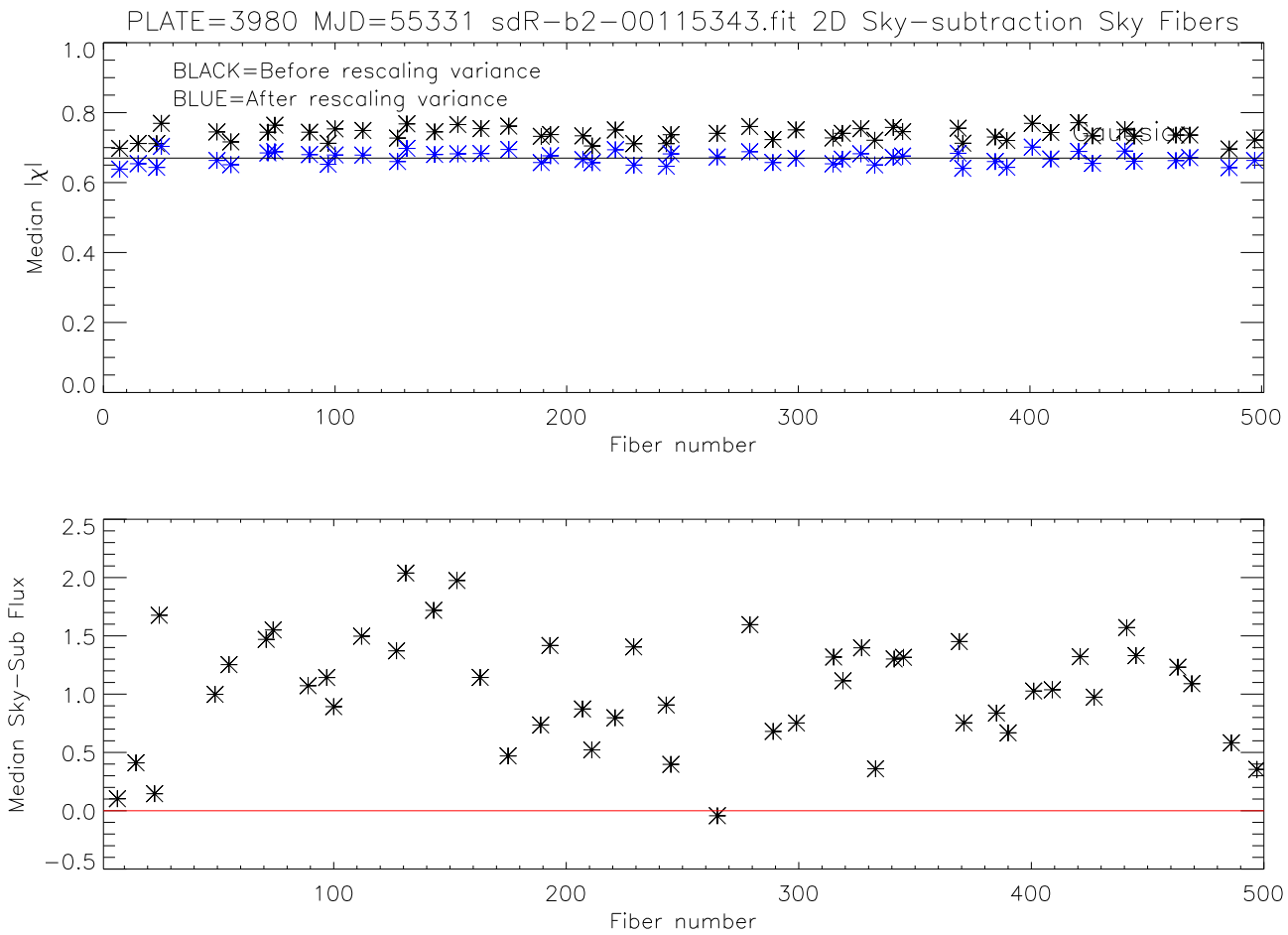

PLATE=3980 MJD=55331 sdR-b2-00115343.fit 1D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number


PLATE=3980 MJD=55331 sdR-b2-00115343.fit 1D Sky-subtraction Sky Fibers
Flux [electrons]
4000
3000
2000
1000
0
5570
5575
5580
5585
5590
λ [A]

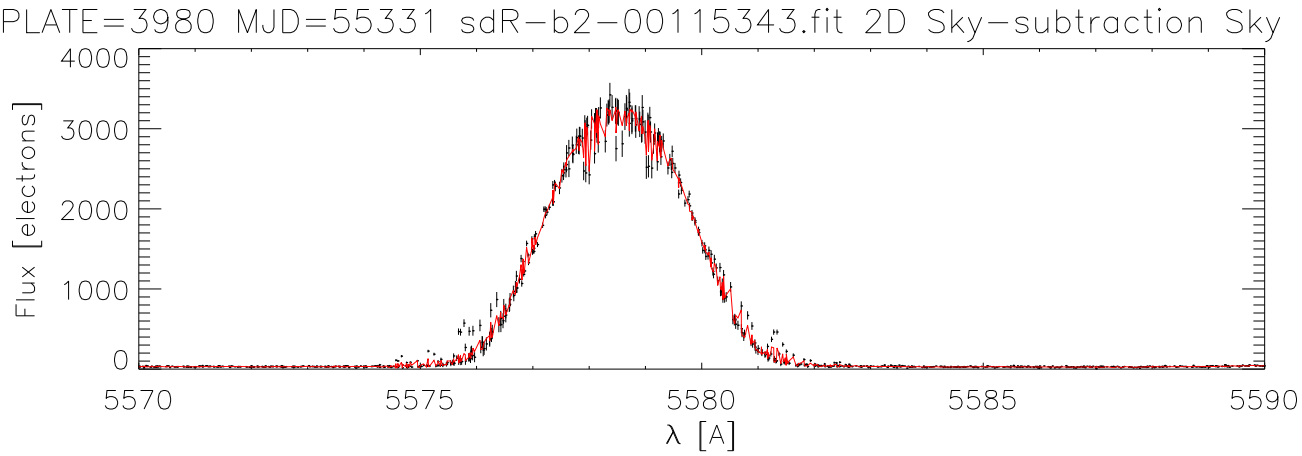

PLATE=3980 MJD=55331 sdR-b2-00115343.fit 1D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
600
400
200
0
-200
-400
-600
5570
5575
5580
5585
5590
λ [A]

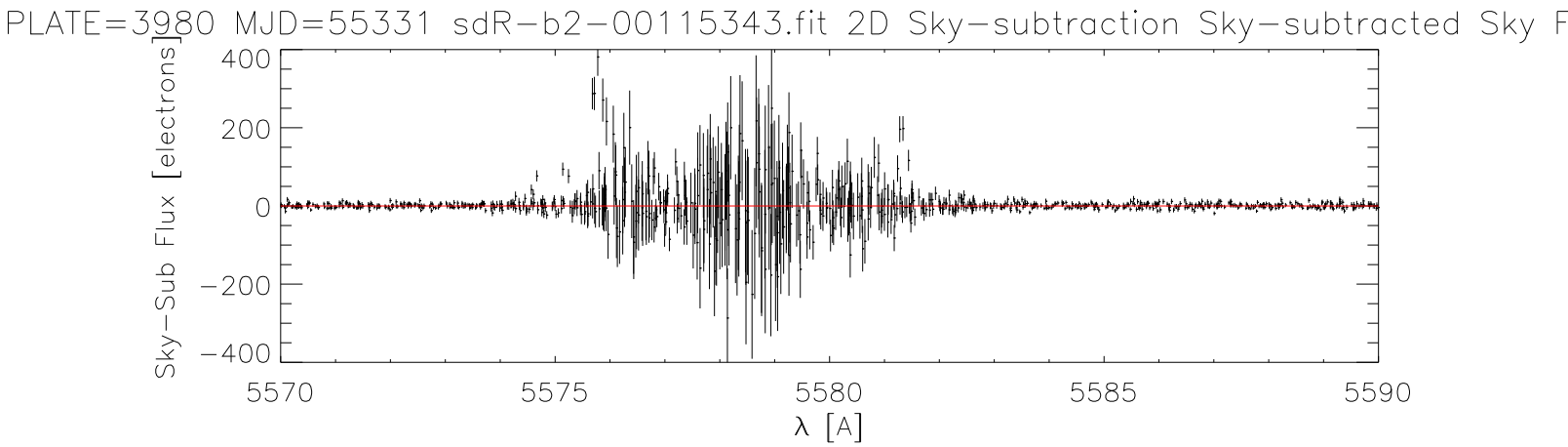
Number of sky fibers = 50



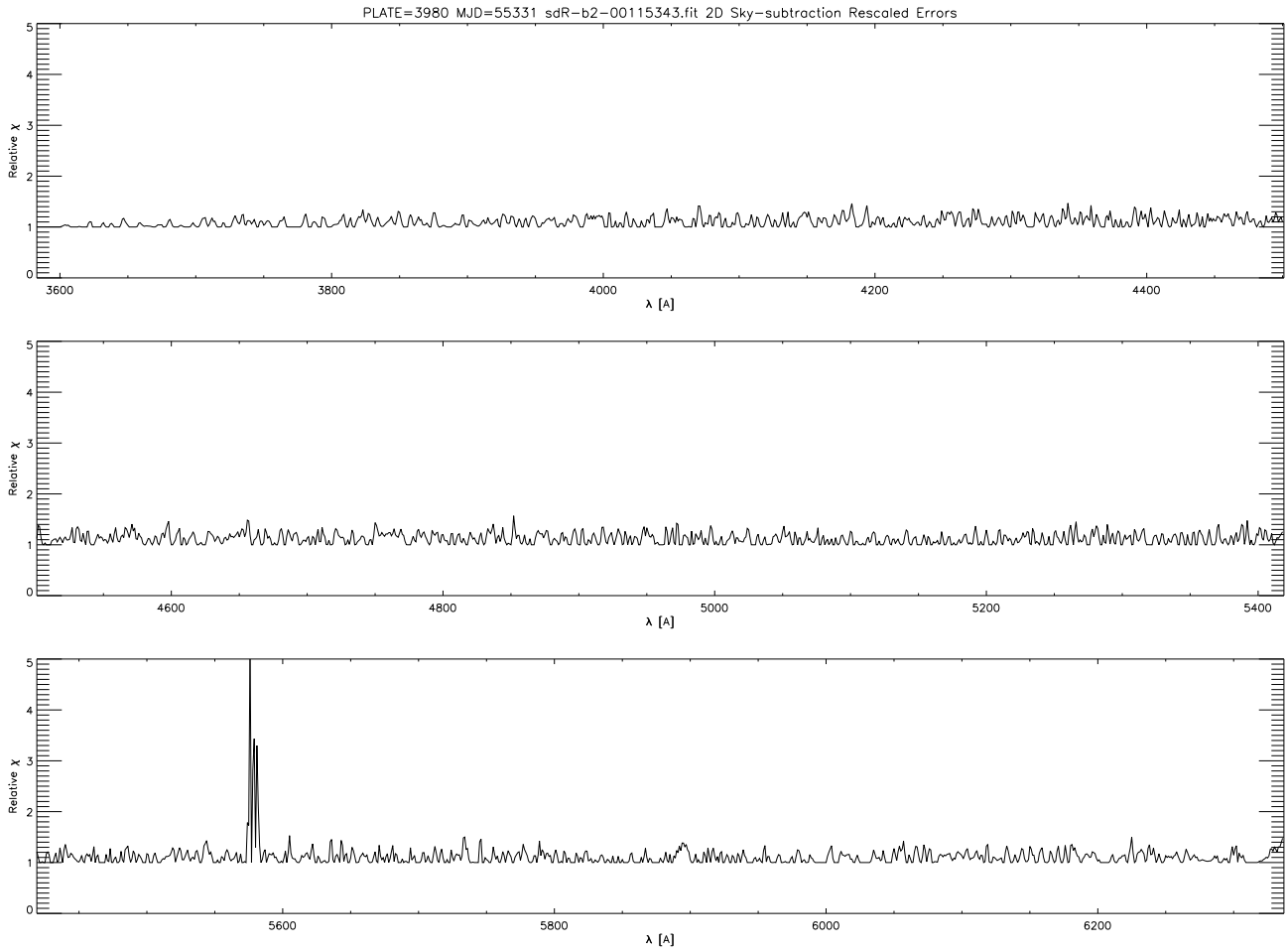

PLATE=3980 MJD=55331 sdR-b2-00115343.fit 2D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Median |χ|
Fiber number
1.0
0.8
0.6
0.4
0.2
0.0
0
100
200
300
400
500

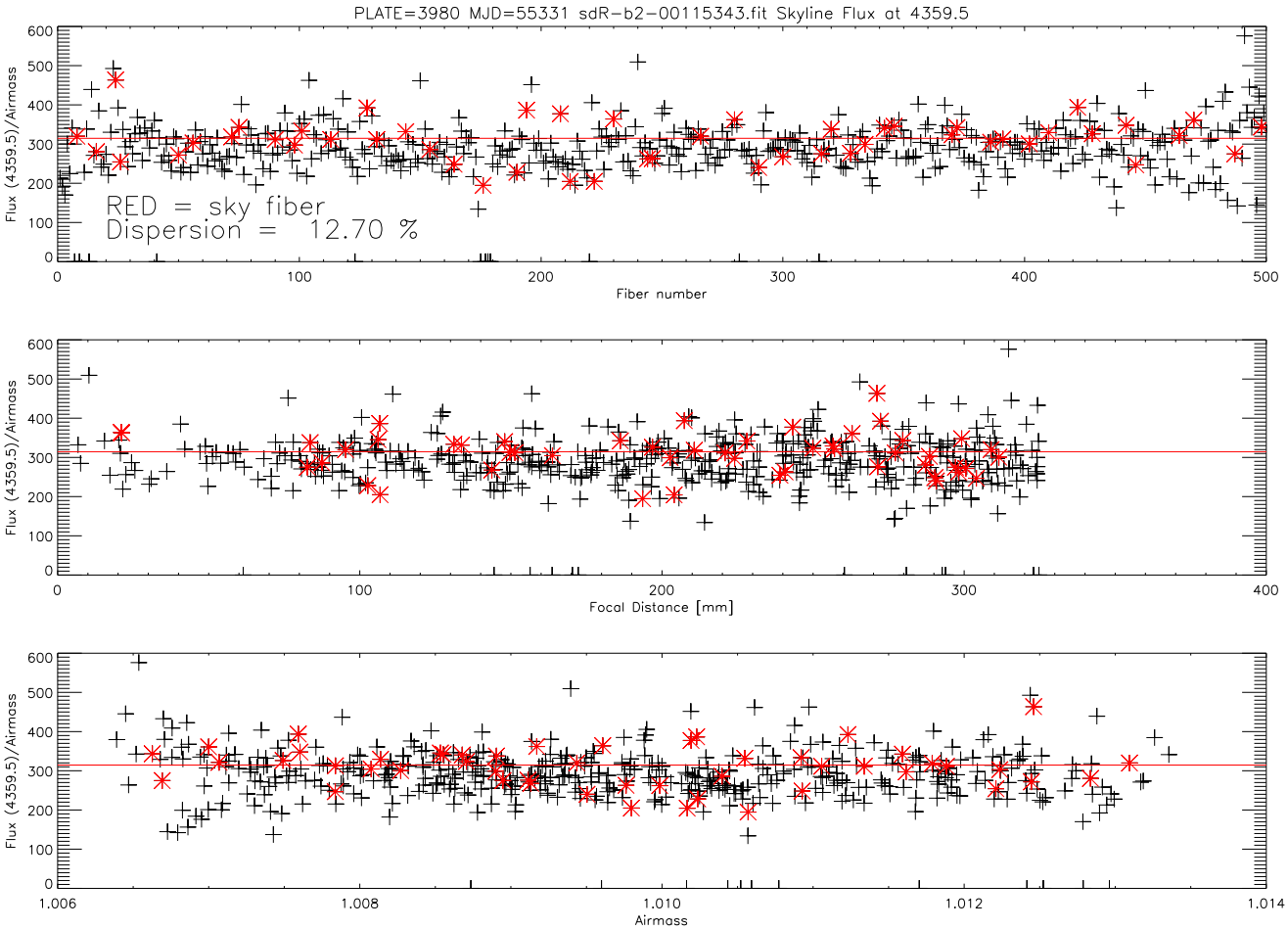
Median Sky-Sub Flux
Fiber number
2.5
2.0
1.5
1.0
0.5
0.0
−0.5
100
200
300
400
500

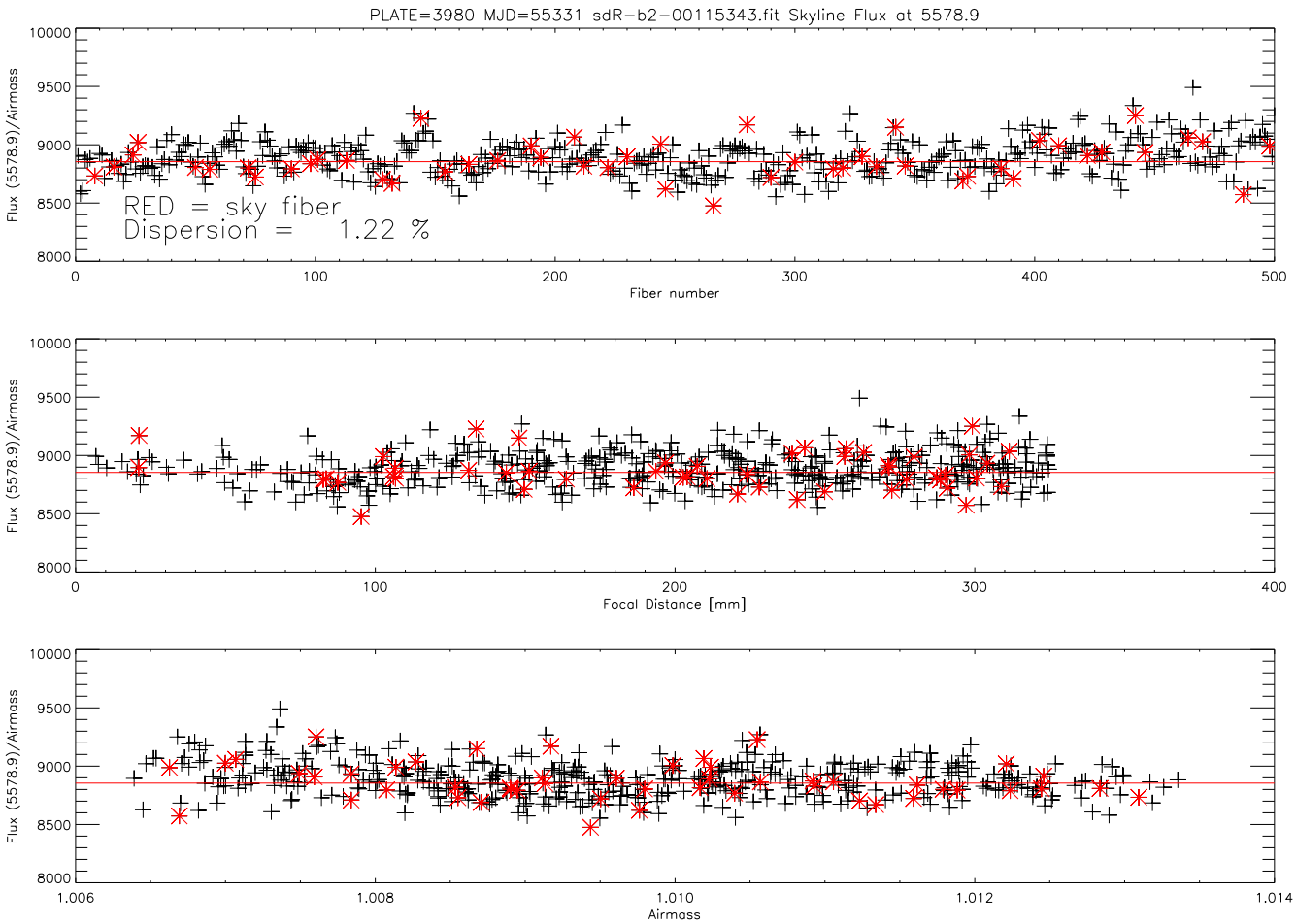

PLATE=3980 MJD=55331 sdR-b2-00115343.fit 2D Sky-subtraction Sky Fibers
Flux [electrons]
4000
3000
2000
1000
0
5570
5575
5580
5585
5590
λ [A]

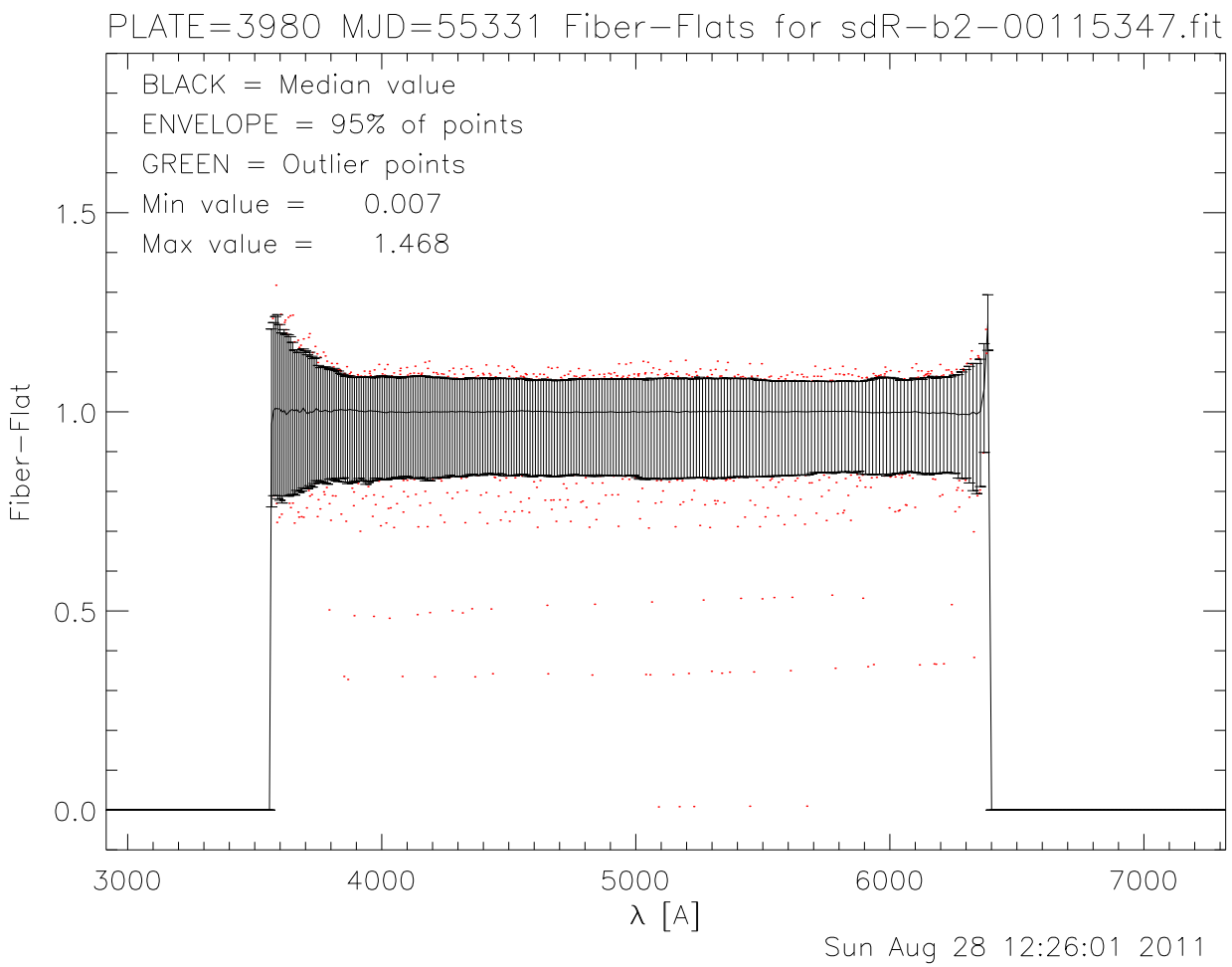

PLATE=3980 MJD=55331 sdR-b2-00115343.fit 2D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
400
200
0
-200
-400
5570
5575
5580
5585
5590
λ [A]

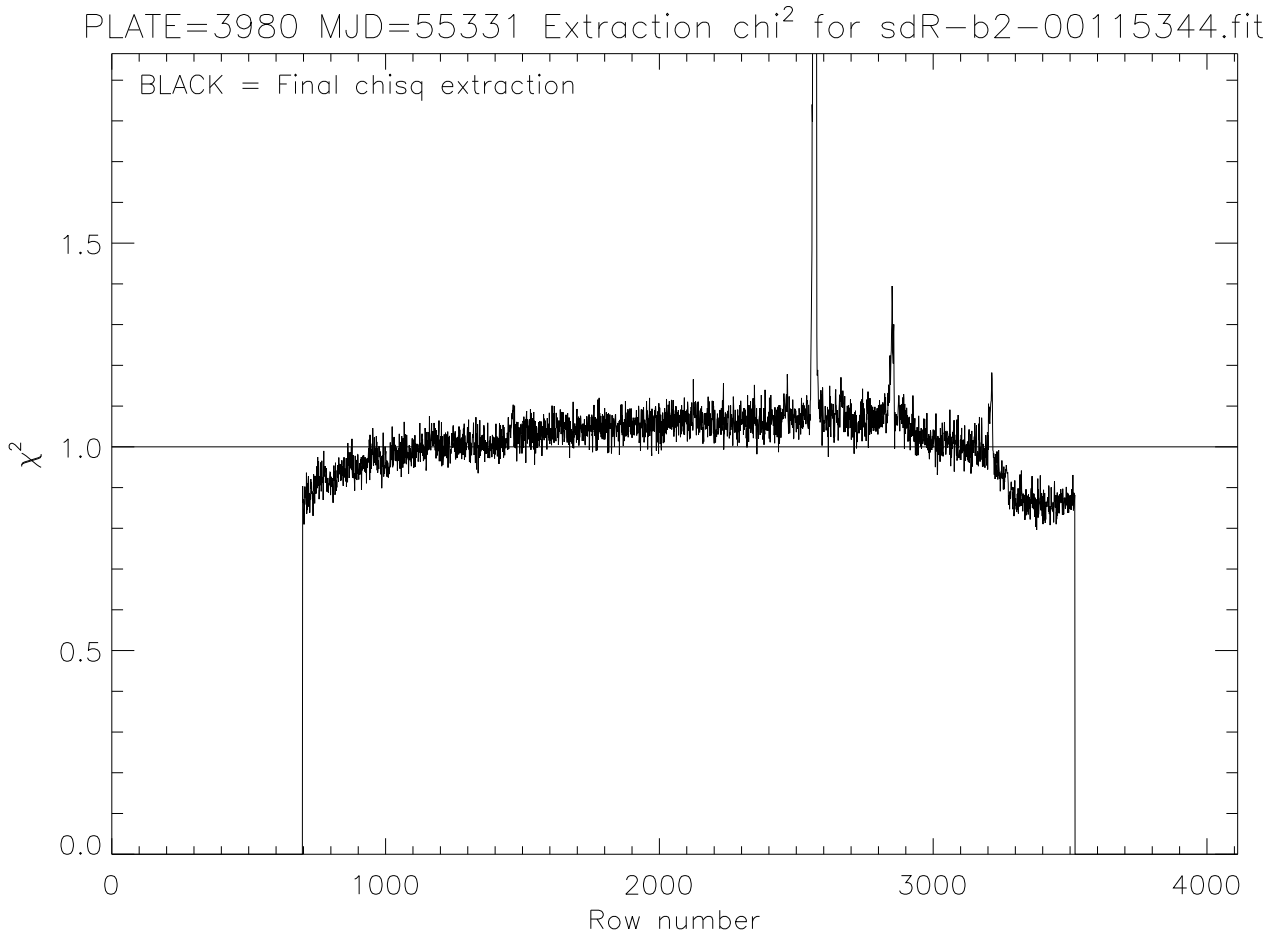
Number of sky fibers = 50

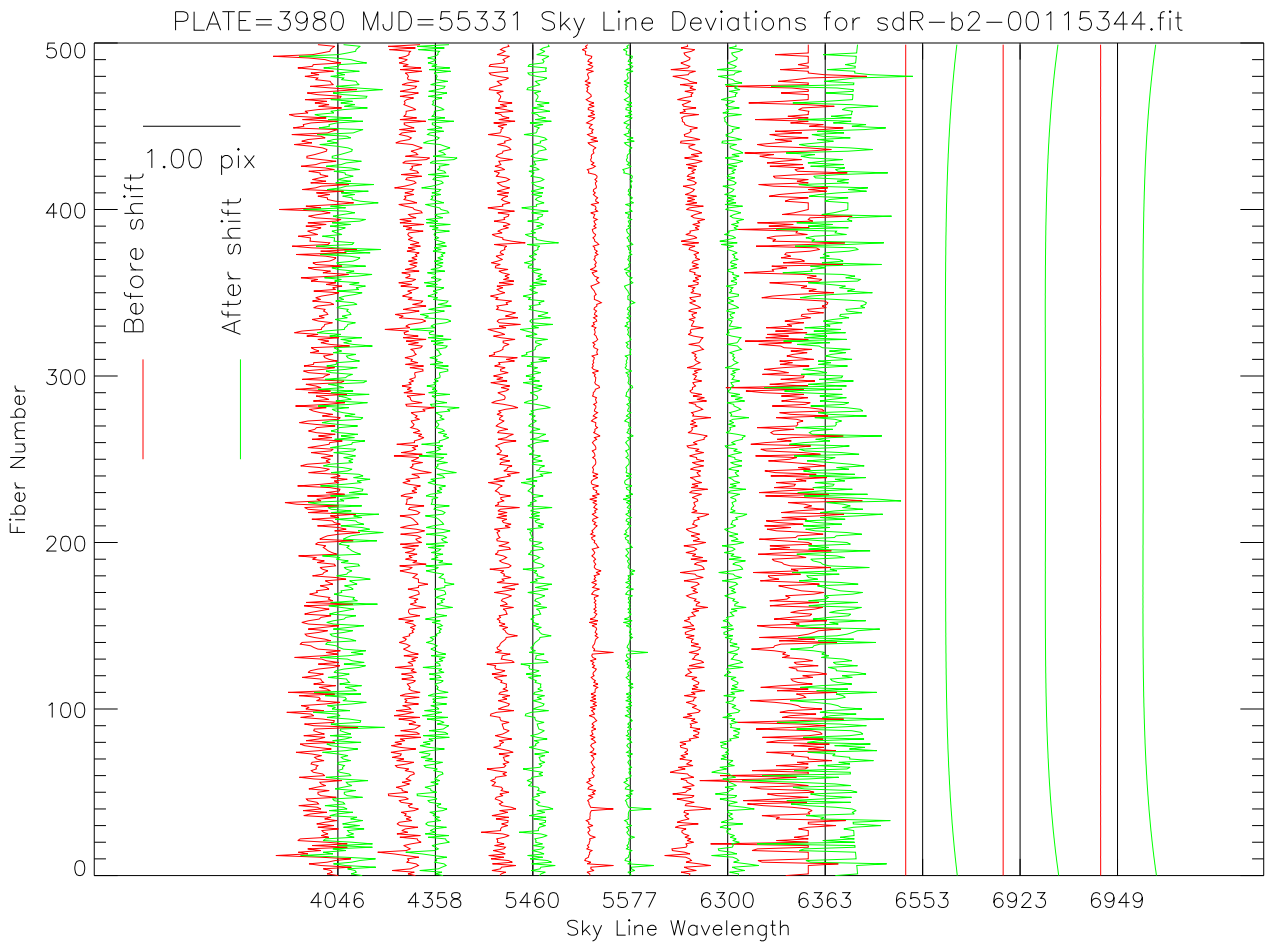


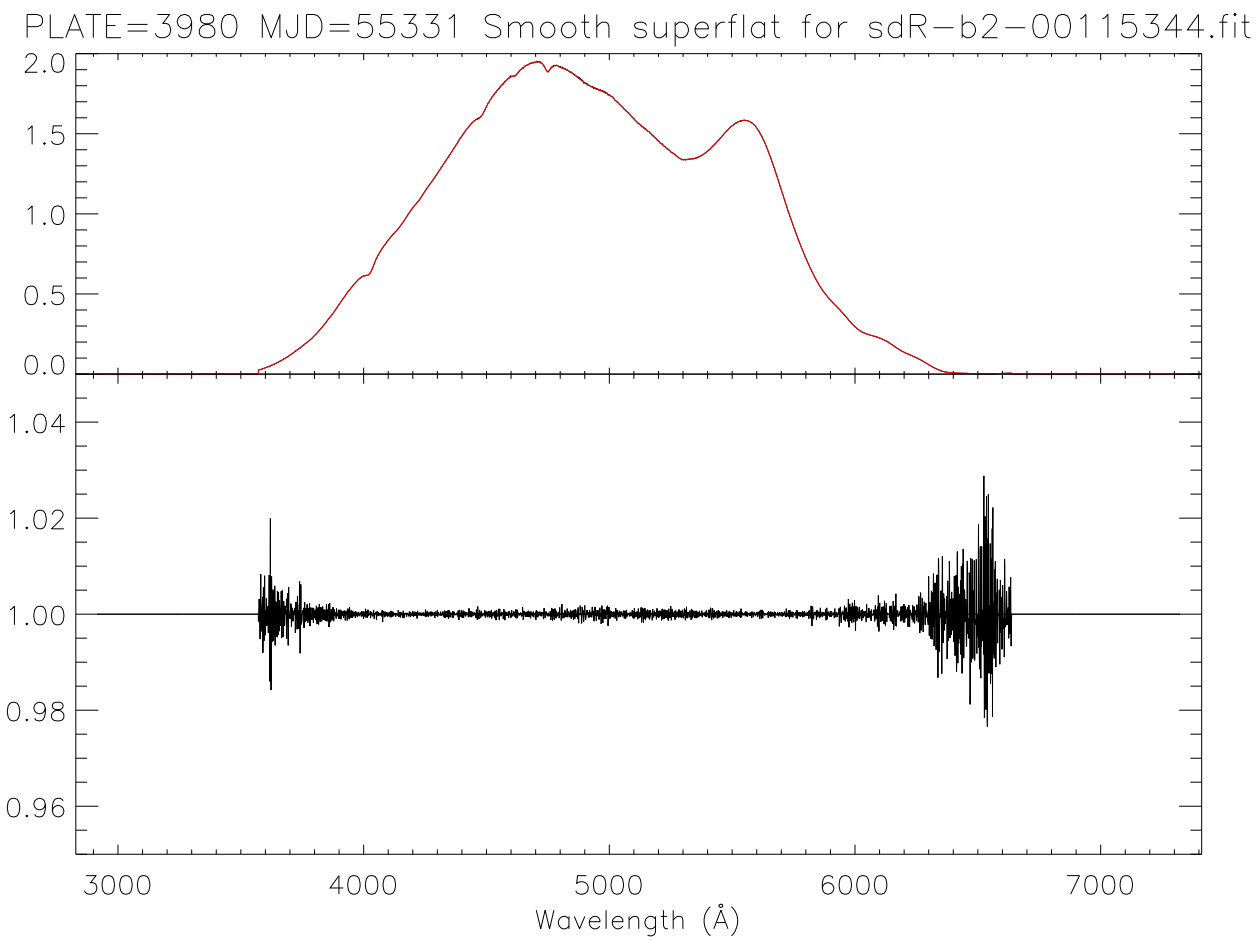

PLATE=3980 MJD=55331 sdR-b2-00115343.fit Skyline Flux at 4359.5
Flux (4359.5)/Airmass
RED = sky fiber
Dispersion = 12.70 %
Fiber number
Flux (4359.5)/Airmass
Focal Distance [mm]
Flux (4359.5)/Airmass
Airmass

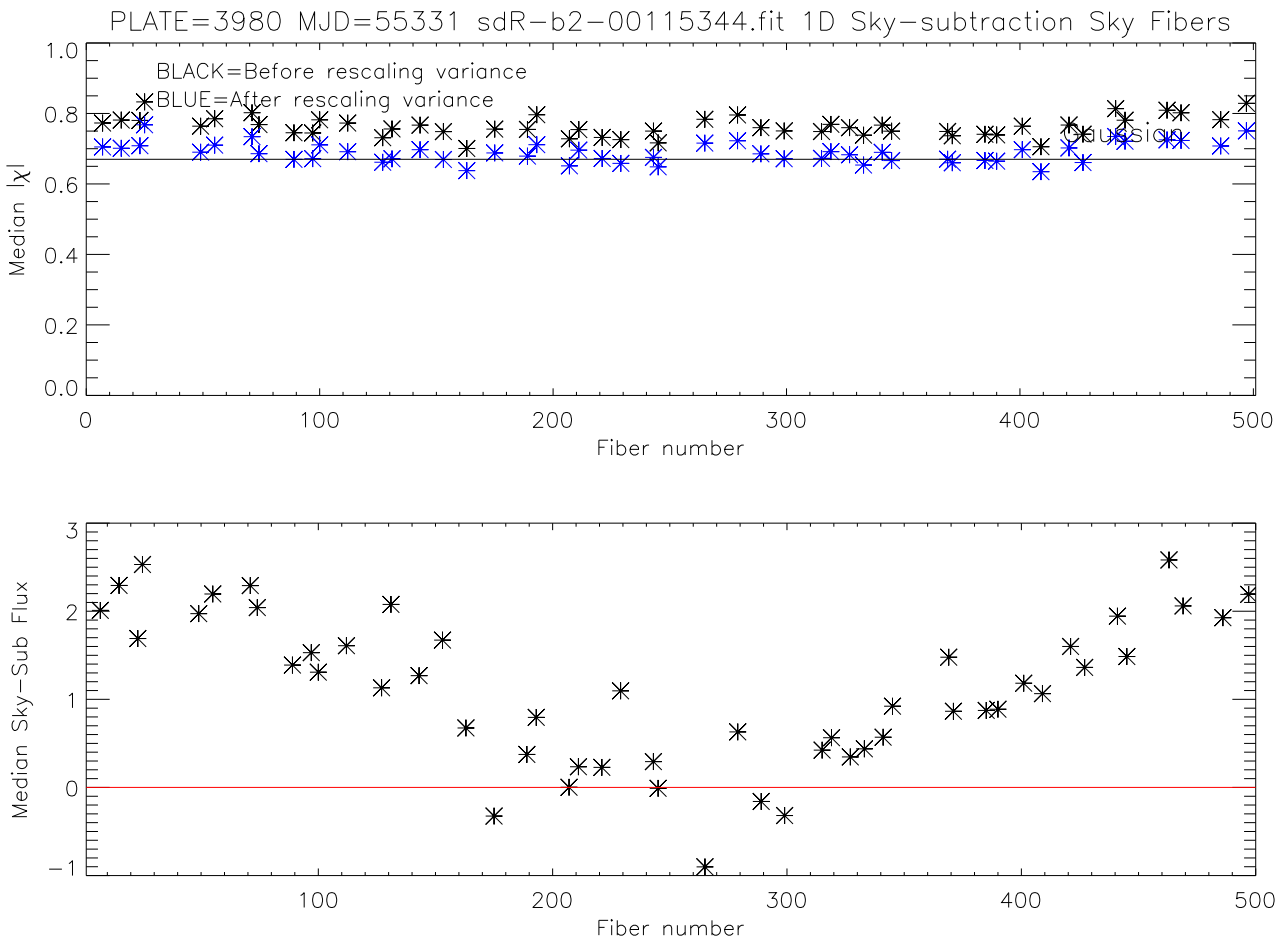

PLATE=3980 MJD=55331 sdR-b2-00115343.fit Skyline Flux at 5578.9
Flux (5578.9)/Airmass
RED = sky fiber
Dispersion = 1.22 %
Fiber number
Focal Distance [mm]
Airmass

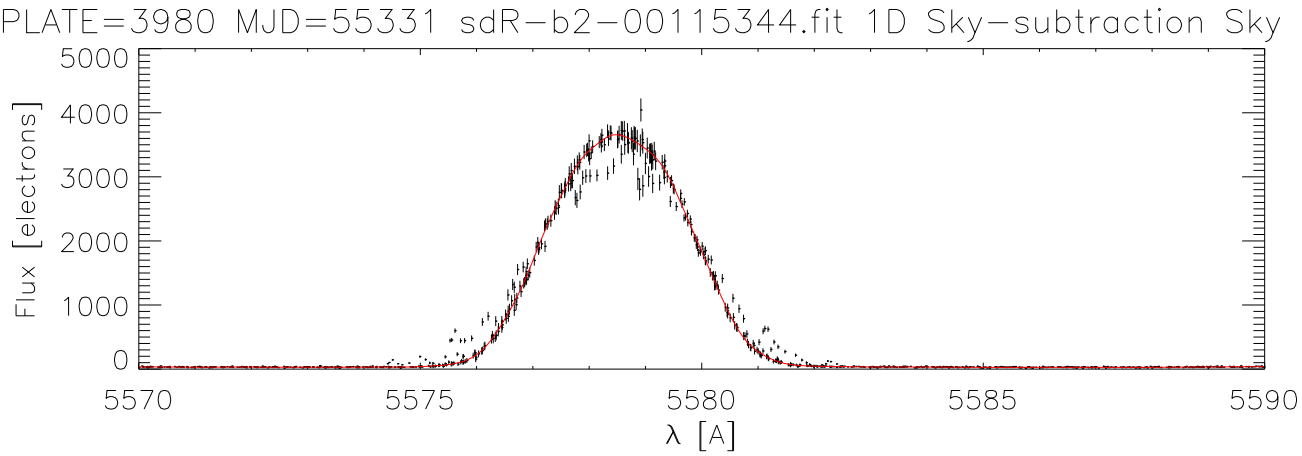

PLATE=3980 MJD=55331 Fiber-Flats for sdR-b2-00115347.fit
BLACK = Median value
ENVELOPE = 95% of points
GREEN = Outlier points
Min value = 0.007
Max value = 1.468
Fiber-Flat
1.5
1.0
0.5
0.0
3000
4000
5000
6000
7000
λ [A]
Sun Aug 28 12:26:01 2011

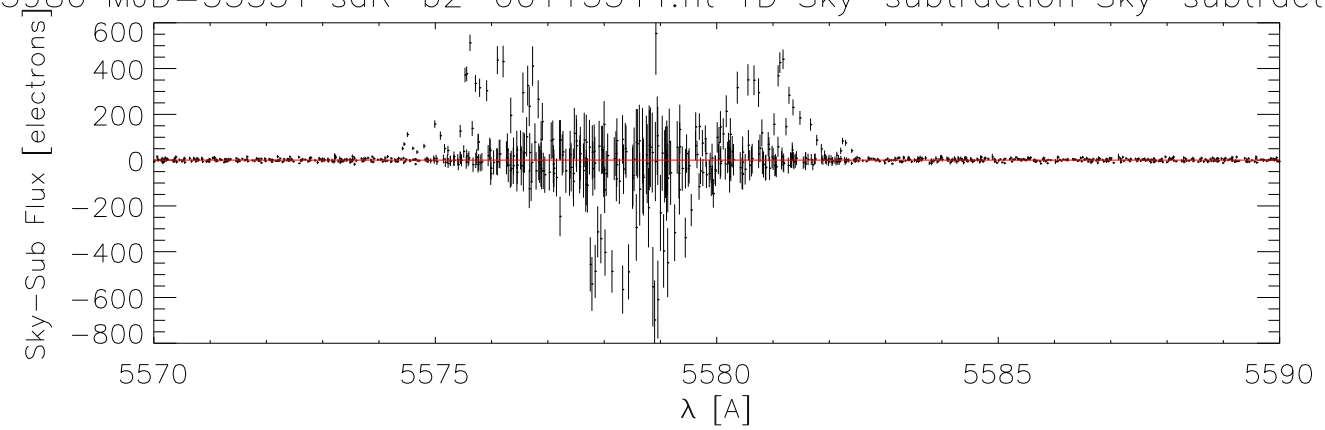

PLATE=3980 MJD=55331 Extraction chi^2 for sdR−b2−00115344.fit
BLACK = Final chisq extraction
χ^2
1.5
1.0
0.5
0.0
0
1000
2000
3000
4000
Row number


PLATE=3980 MJD=55331 Sky Line Deviations for sdR-b2-00115344.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

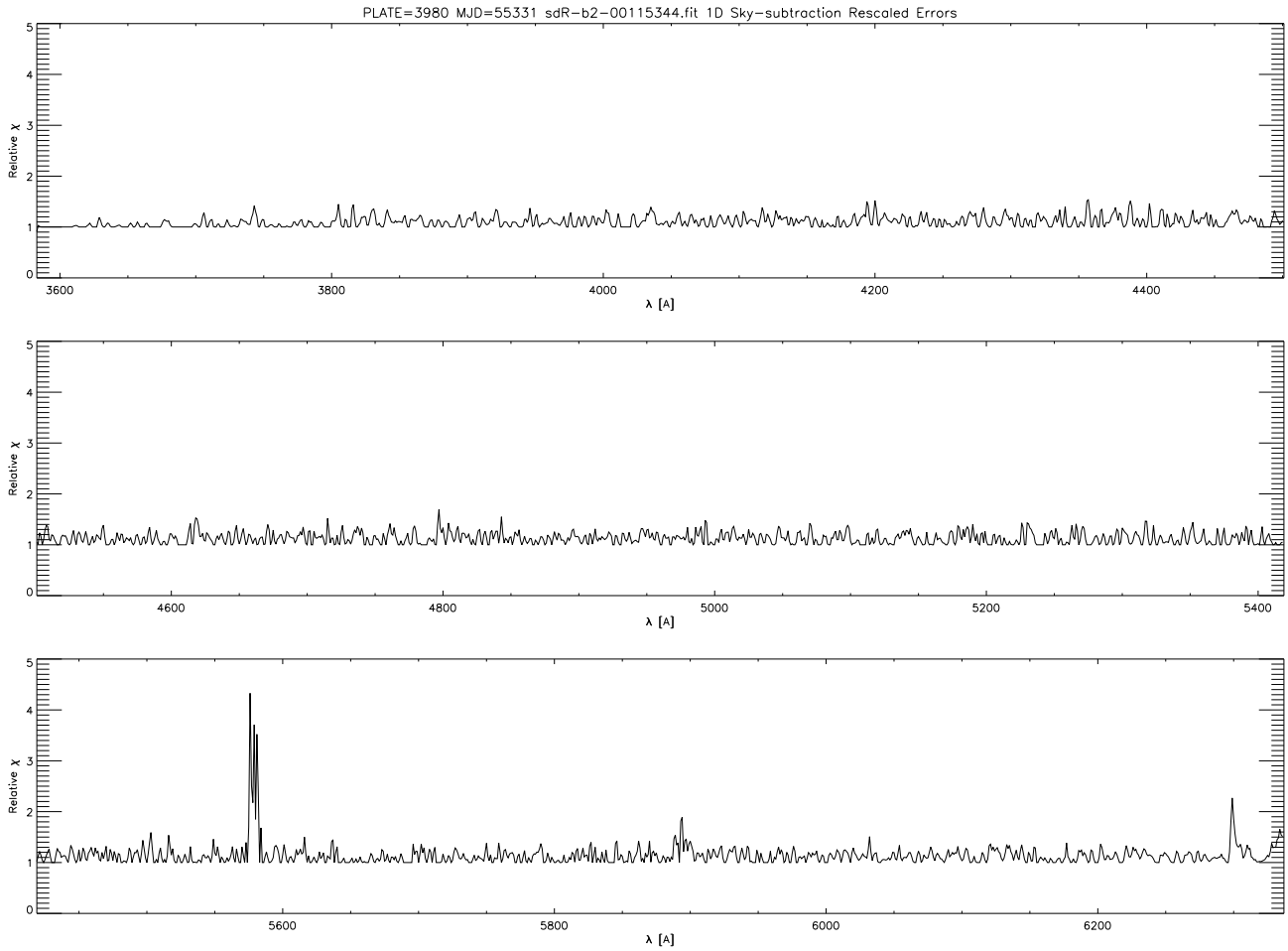

PLATE=3980 MJD=55331 Smooth superflat for sdR-b2-00115344.fit
2.0
1.5
1.0
0.5
0.0
1.04
1.02
1.00
0.98
0.96
3000
4000
5000
6000
7000
Wavelength (Å)

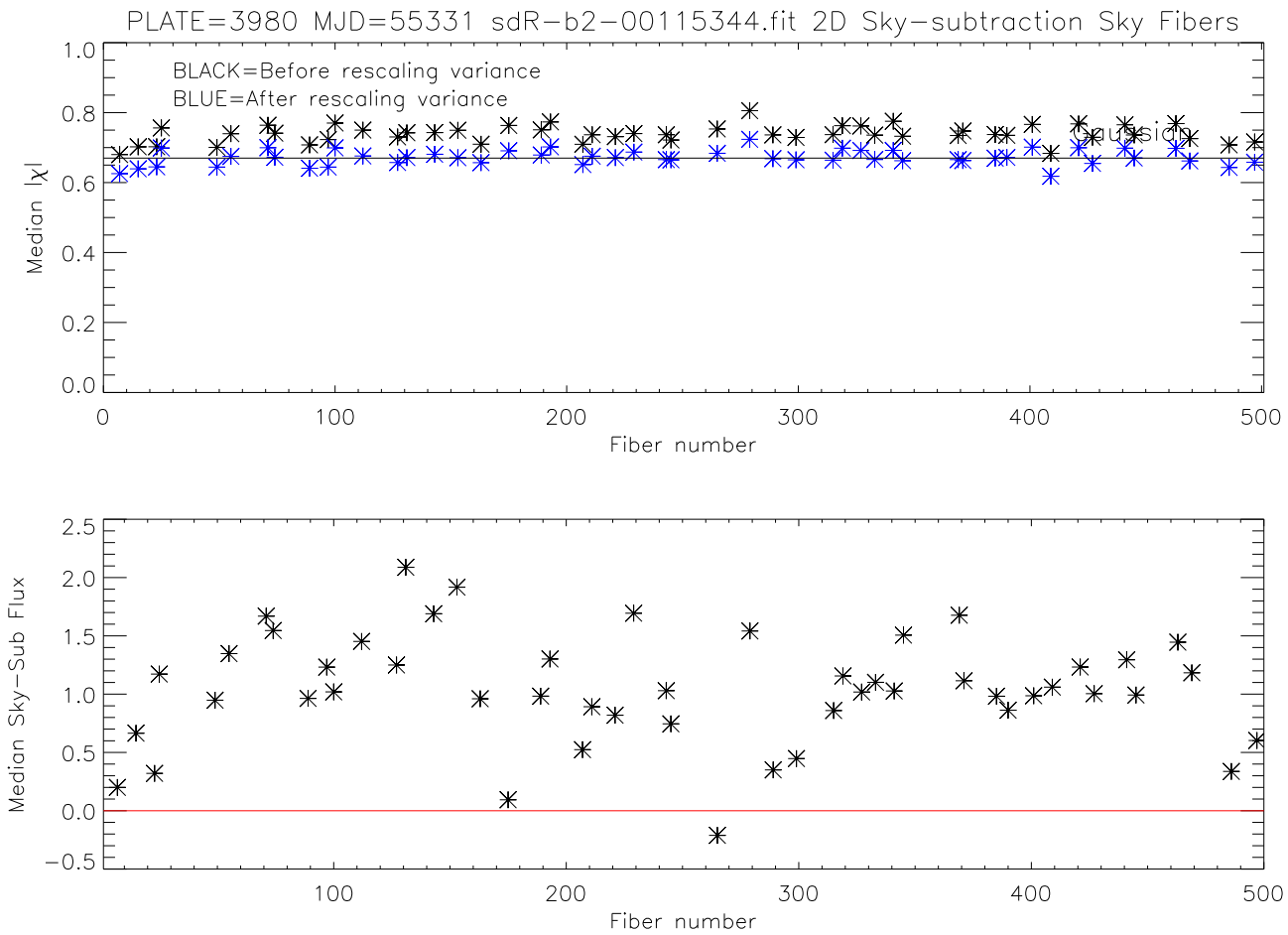

PLATE=3980 MJD=55331 sdR-b2-00115344.fit 1D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number


PLATE=3980 MJD=55331 sdR-b2-00115344.fit 1D Sky-subtraction Sky Fibers
Flux [electrons]
5000
4000
3000
2000
1000
0
5570
5575
5580
5585
5590
λ [A]

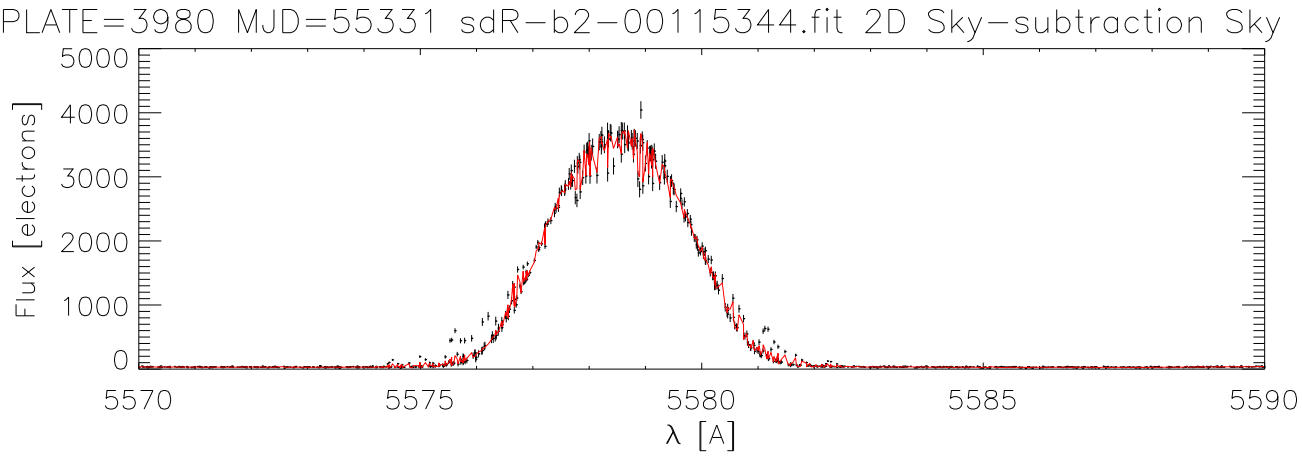

PLATE=3980 MJD=55331 sdR-b2-00115344.fit 1D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
600
400
200
0
-200
-400
-600
-800
5570
5575
5580
5585
5590
λ [A]

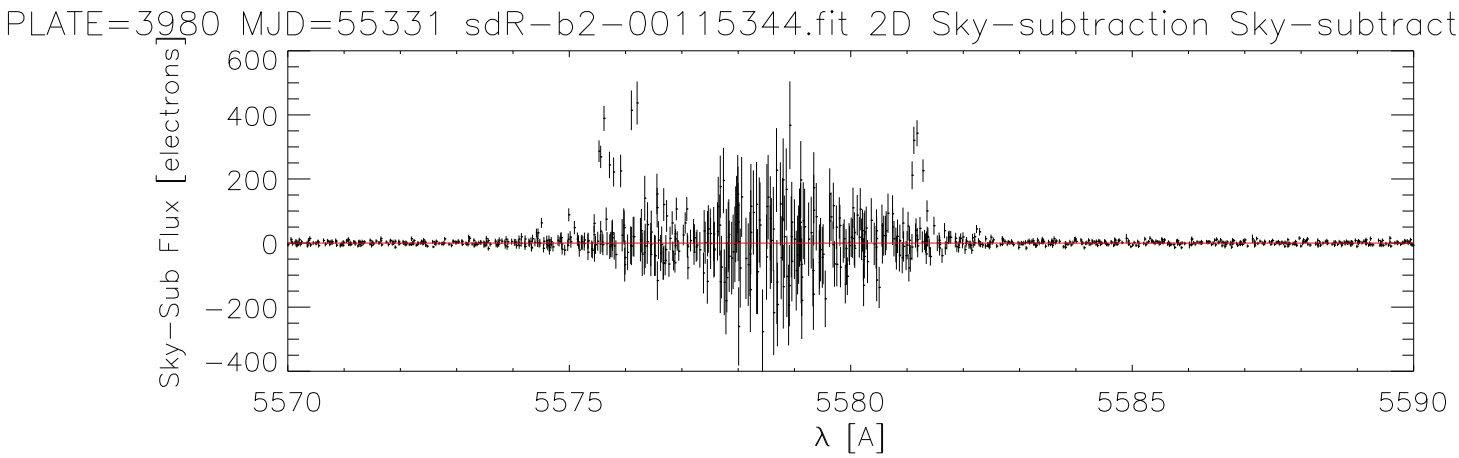
Number of sky fibers = 50



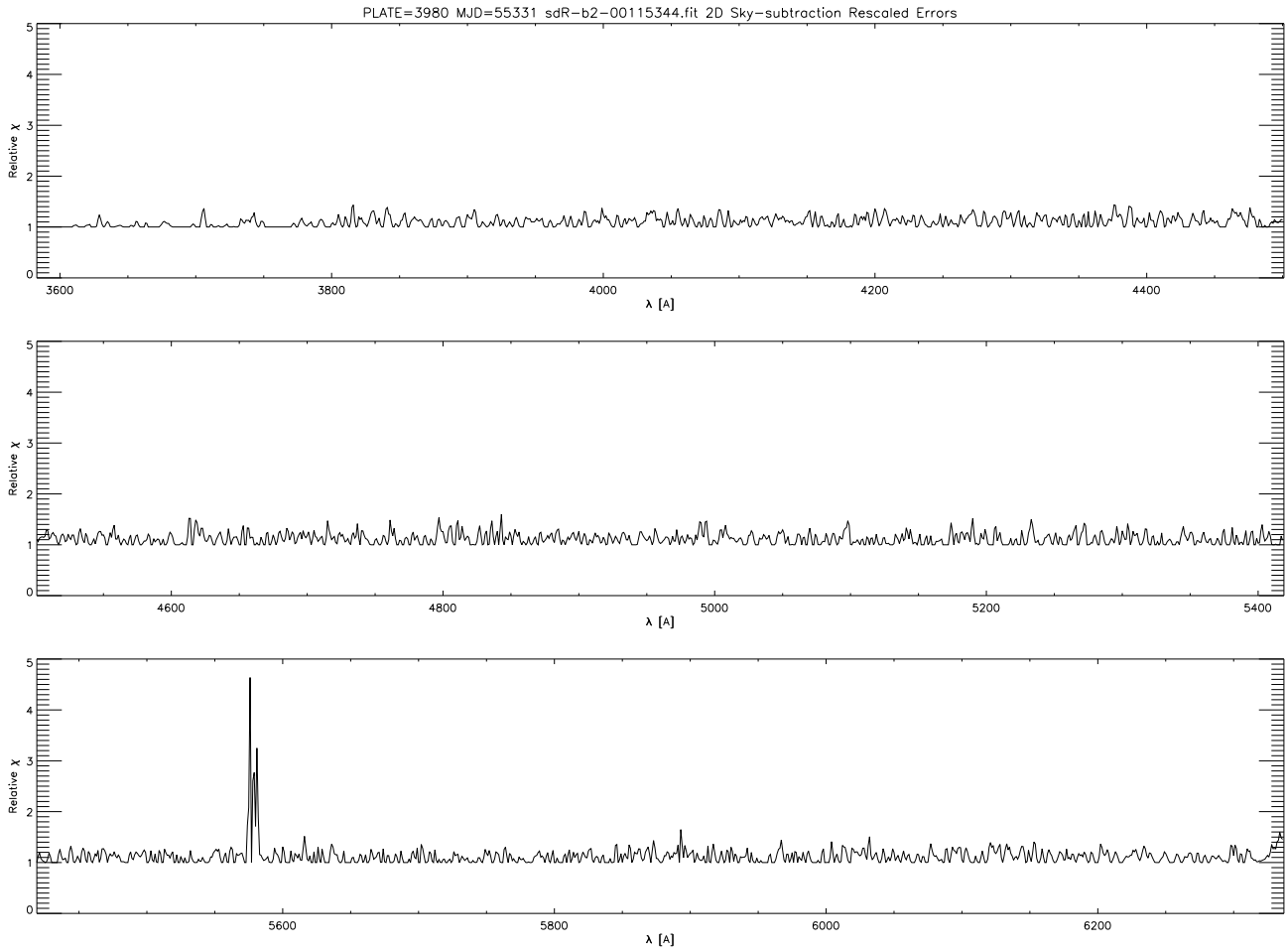

PLATE=3980 MJD=55331 sdR-b2-00115344.fit 2D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Median |χ|
Fiber number
1.0
0.8
0.6
0.4
0.2
0.0
0
100
200
300
400
500

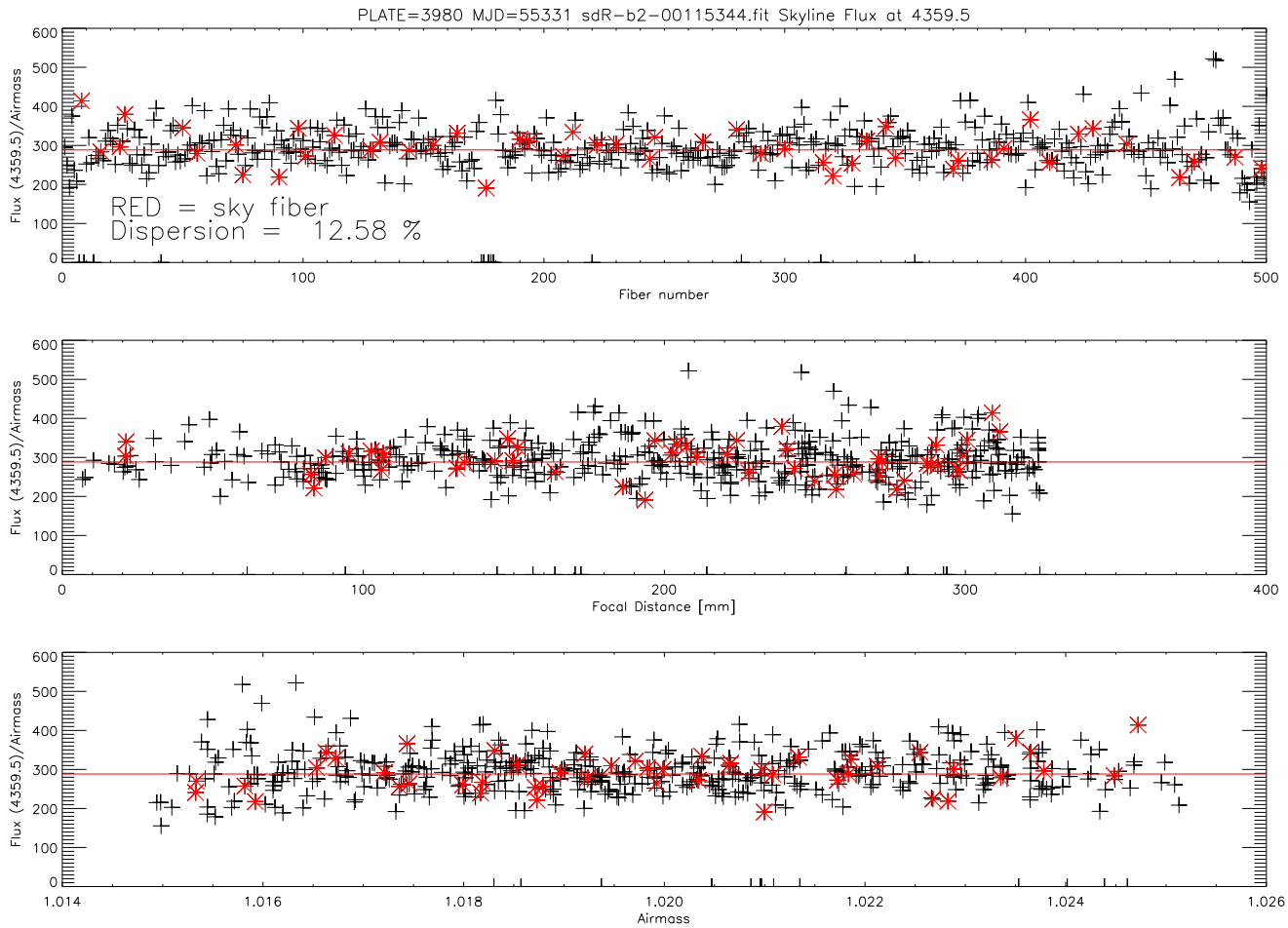
Median Sky-Sub Flux
Fiber number
2.5
2.0
1.5
1.0
0.5
0.0
−0.5
100
200
300
400
500

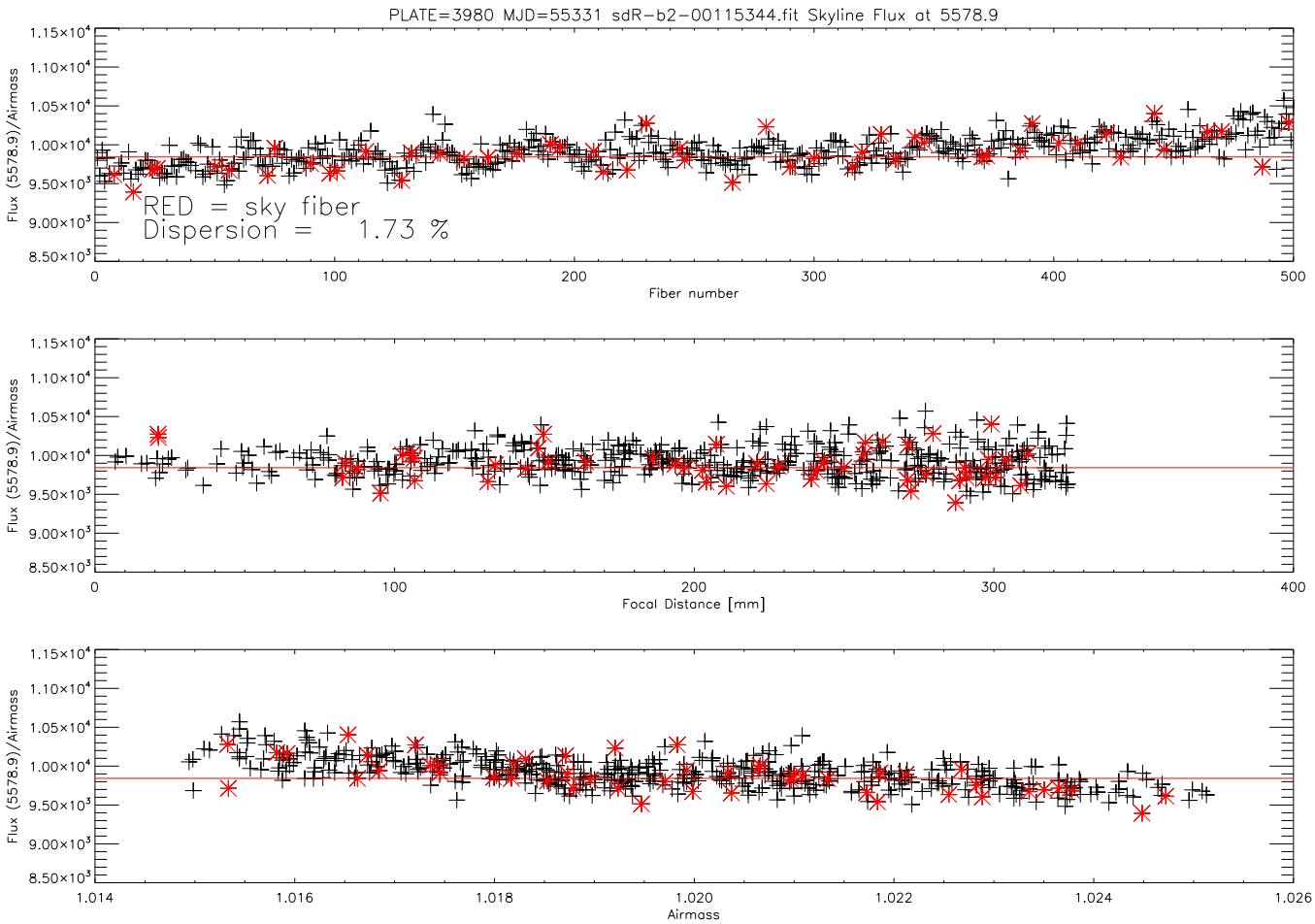

PLATE=3980 MJD=55331 sdR-b2-00115344.fit 2D Sky-subtraction Sky Fibers
Flux [electrons]
5000
4000
3000
2000
1000
0
5570
5575
5580
5585
5590
λ [A]

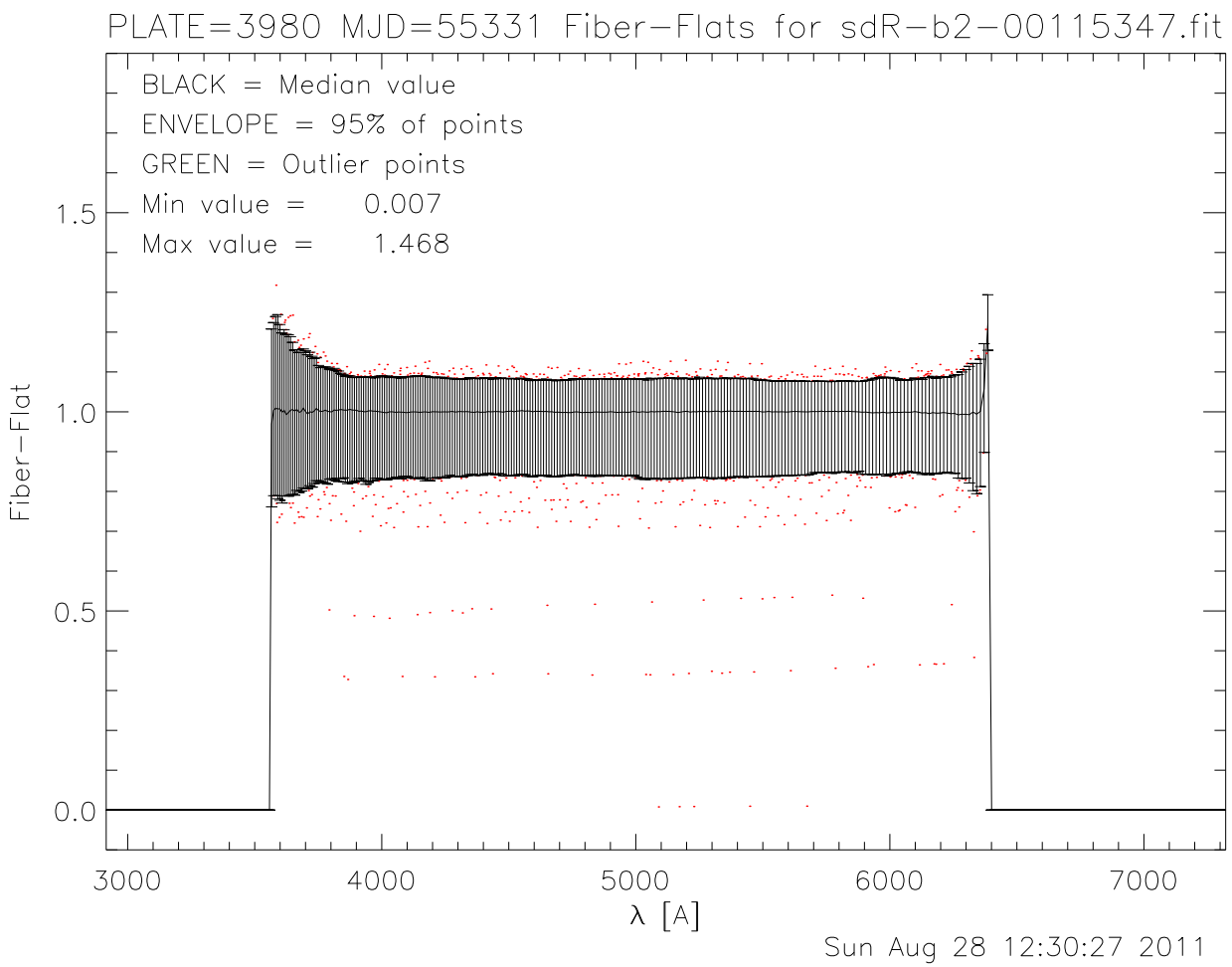

PLATE=3980 MJD=55331 sdR-b2-00115344.fit 2D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
600
400
200
0
-200
-400
5570
5575
5580
5585
5590
λ [A]

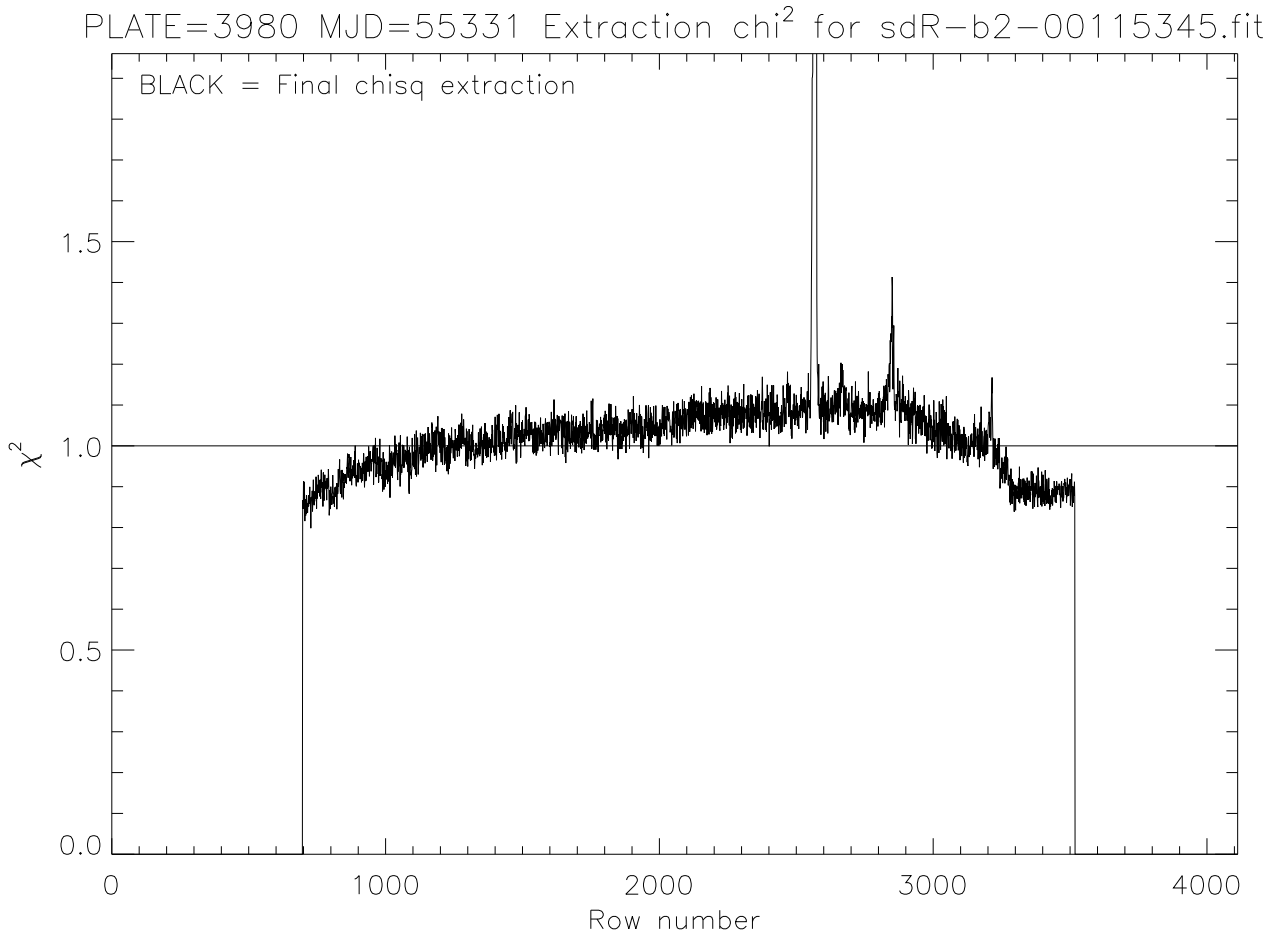
Number of sky fibers = 50

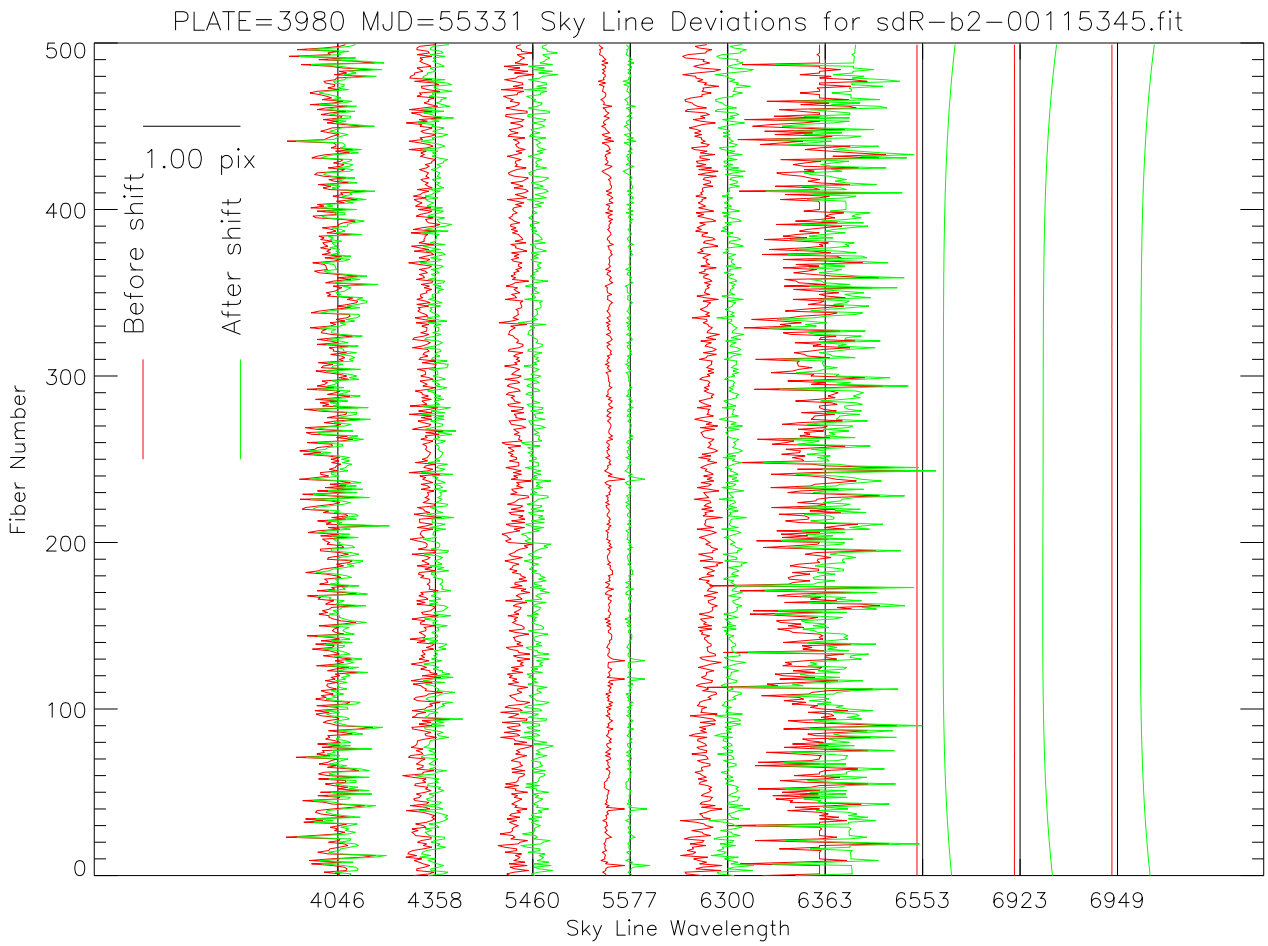


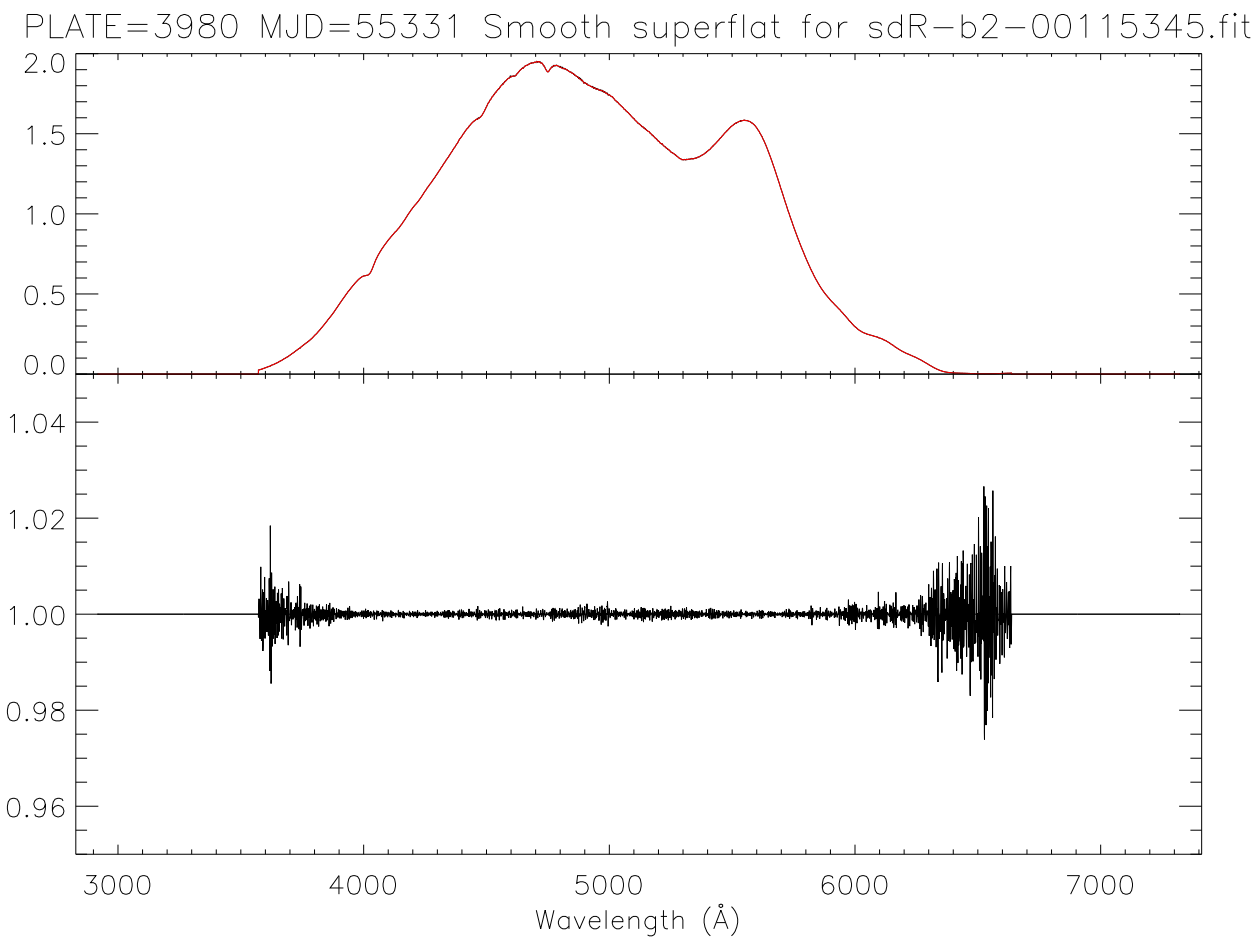

PLATE=3980 MJD=55331 sdR-b2-00115344.fit Skyline Flux at 4359.5
Flux (4359.5)/Airmass
RED = sky fiber
Dispersion = 12.58 %
Fiber number
Flux (4359.5)/Airmass
Focal Distance [mm]
Flux (4359.5)/Airmass
Airmass

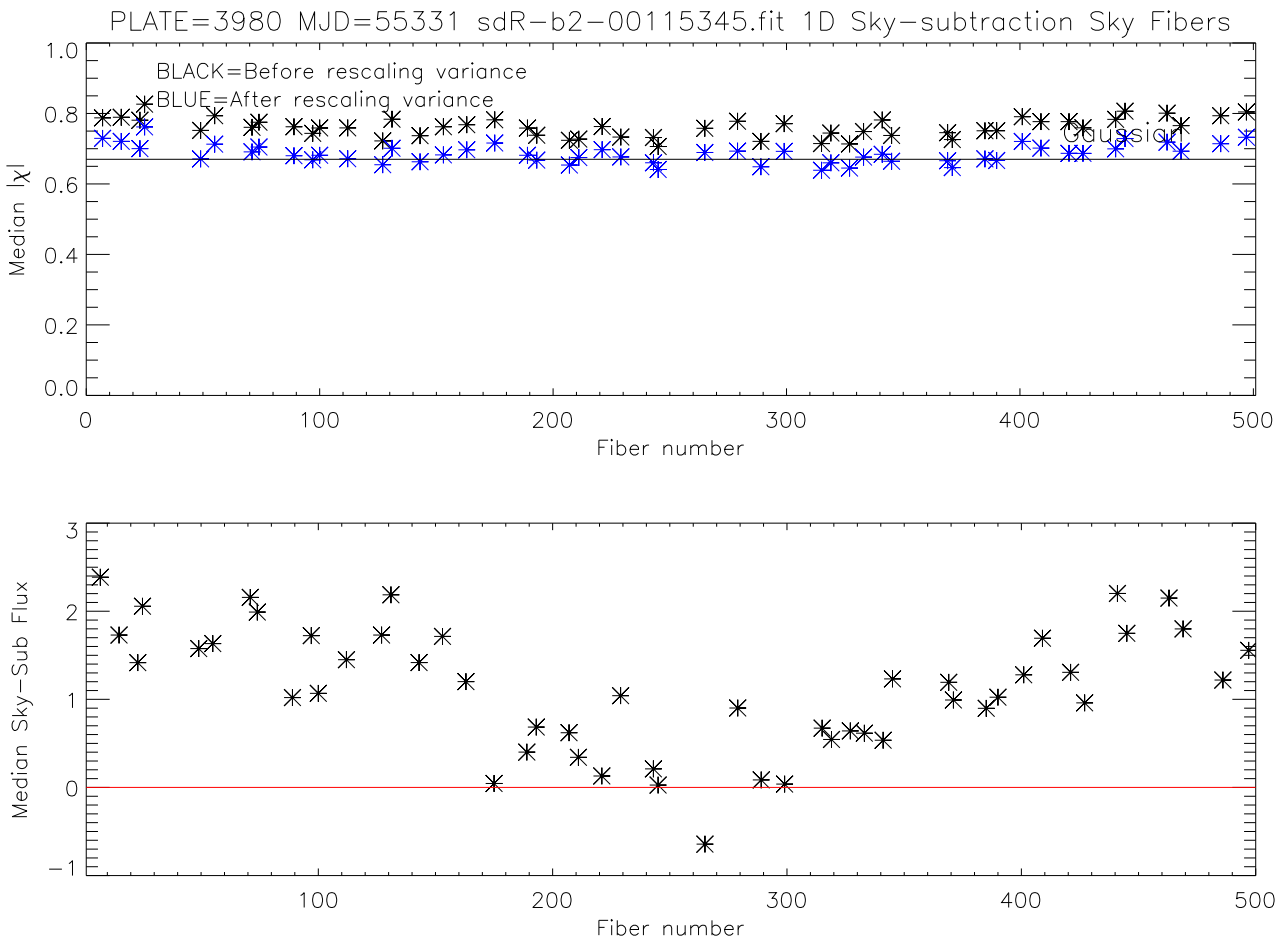

PLATE=3980 MJD=55331 sdR-b2-00115344.fit Skyline Flux at 5578.9
Flux (5578.9)/Airmass
RED = sky fiber
Dispersion = 1.73 %
Fiber number
Flux (5578.9)/Airmass
Focal Distance [mm]
Flux (5578.9)/Airmass
Airmass

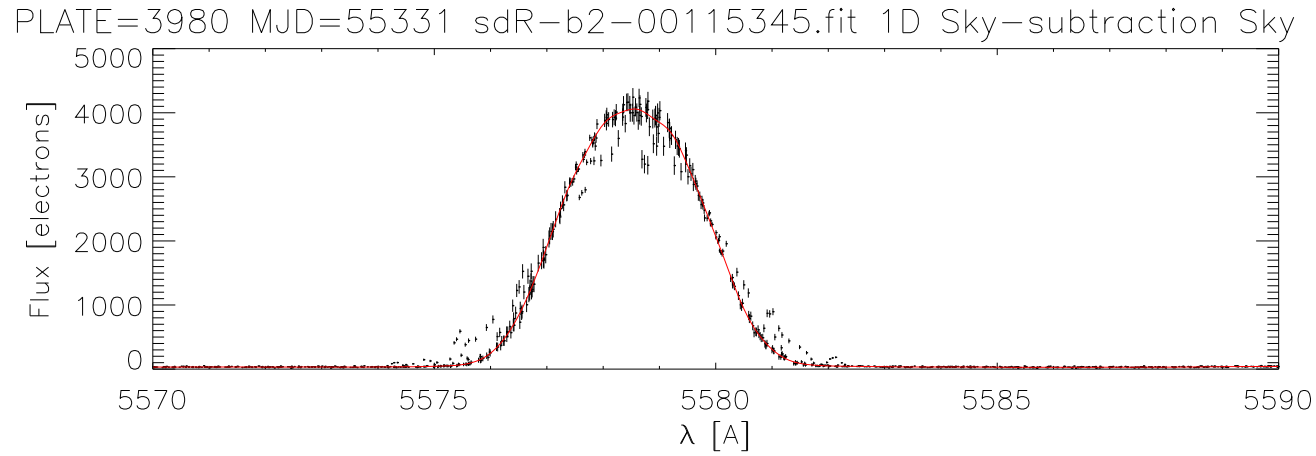

PLATE=3980 MJD=55331 Fiber−Flats for sdR−b2−00115347.fit
BLACK = Median value
ENVELOPE = 95% of points
GREEN = Outlier points
Min value = 0.007
Max value = 1.468
Fiber−Flat
1.5
1.0
0.5
0.0
3000
4000
5000
6000
7000
λ [A]
Sun Aug 28 12:30:27 2011

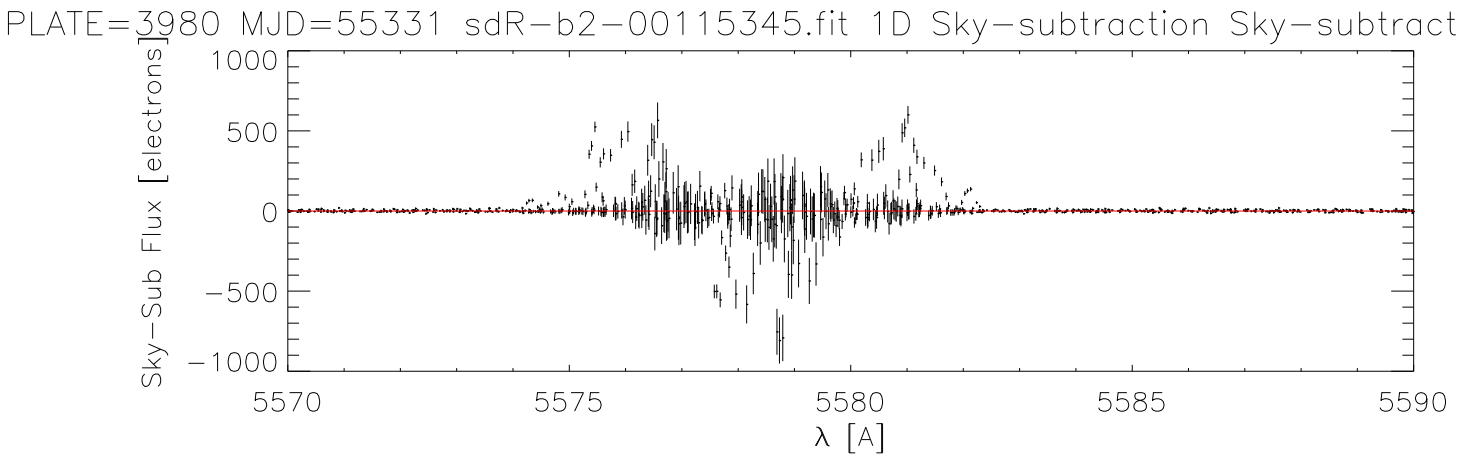

PLATE=3980 MJD=55331 Extraction chi^2 for sdR−b2−00115345.fit
BLACK = Final chisq extraction
χ^2
0.0
0.5
1.0
1.5
0
1000
2000
3000
4000
Row number


PLATE=3980 MJD=55331 Sky Line Deviations for sdR-b2-00115345.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

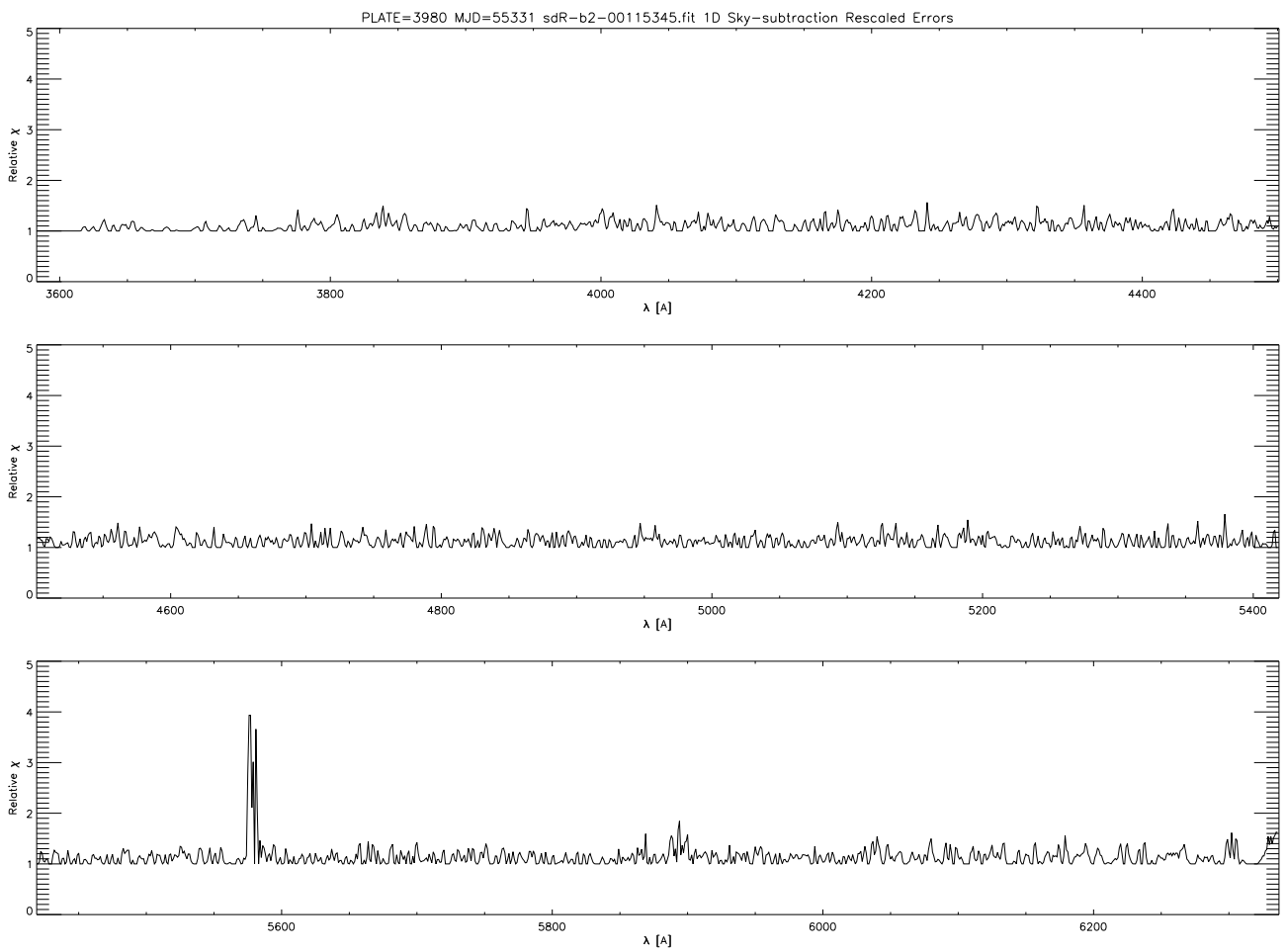

PLATE=3980 MJD=55331 Smooth superflat for sdR-b2-00115345.fit
2.0
1.5
1.0
0.5
0.0
1.04
1.02
1.00
0.98
0.96
3000
4000
5000
6000
7000
Wavelength (Å)

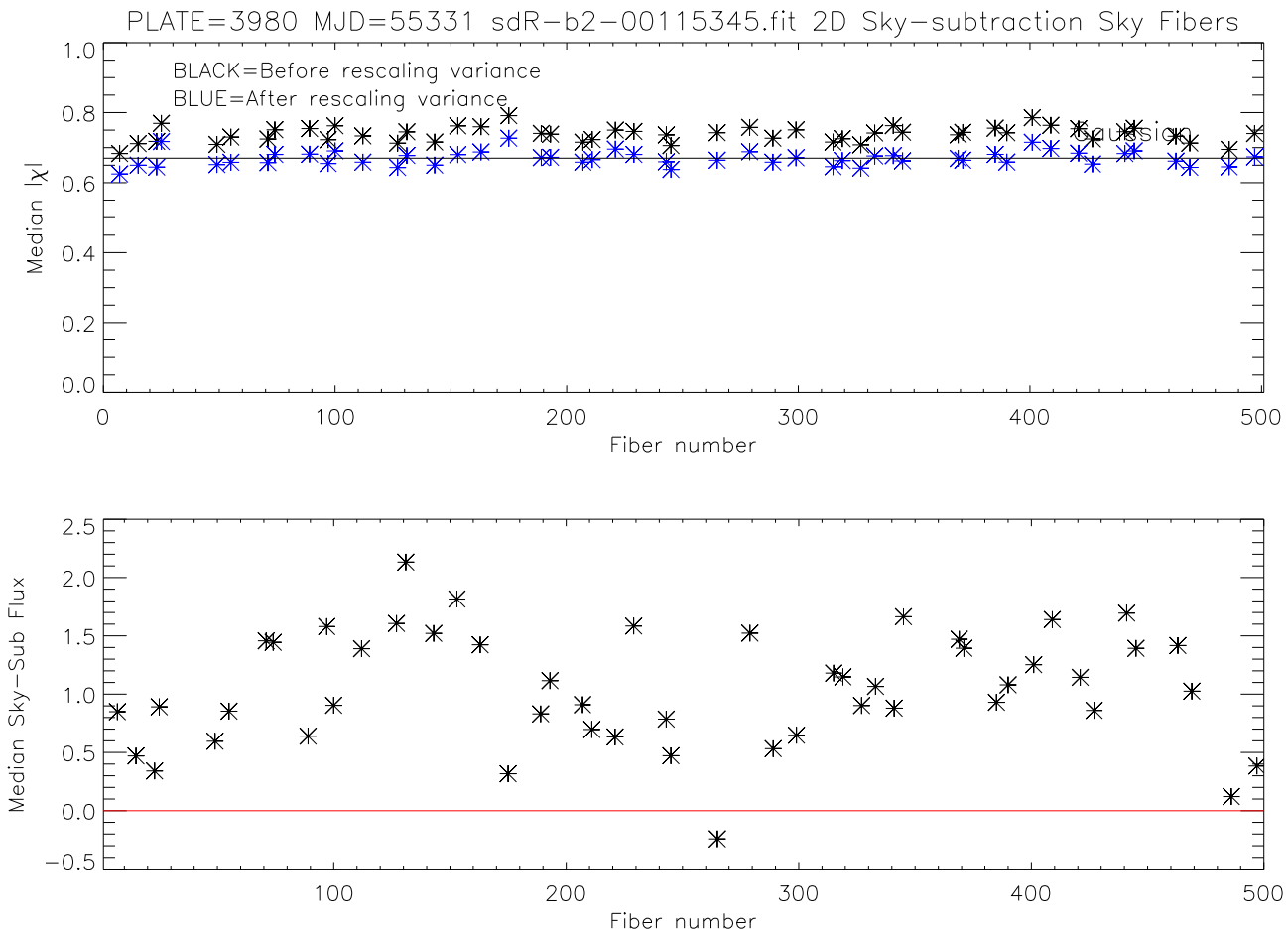

PLATE=3980 MJD=55331 sdR-b2-00115345.fit 1D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

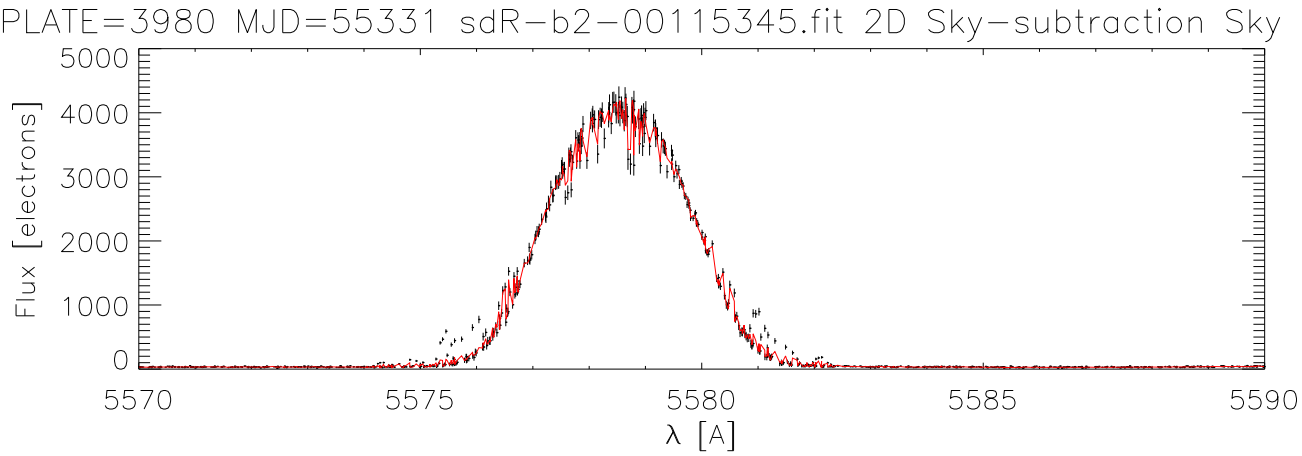

PLATE=3980 MJD=55331 sdR-b2-00115345.fit 1D Sky-subtraction Sky Fibers
Flux [electrons]
5000
4000
3000
2000
1000
0
5570
5575
5580
5585
5590
λ [A]

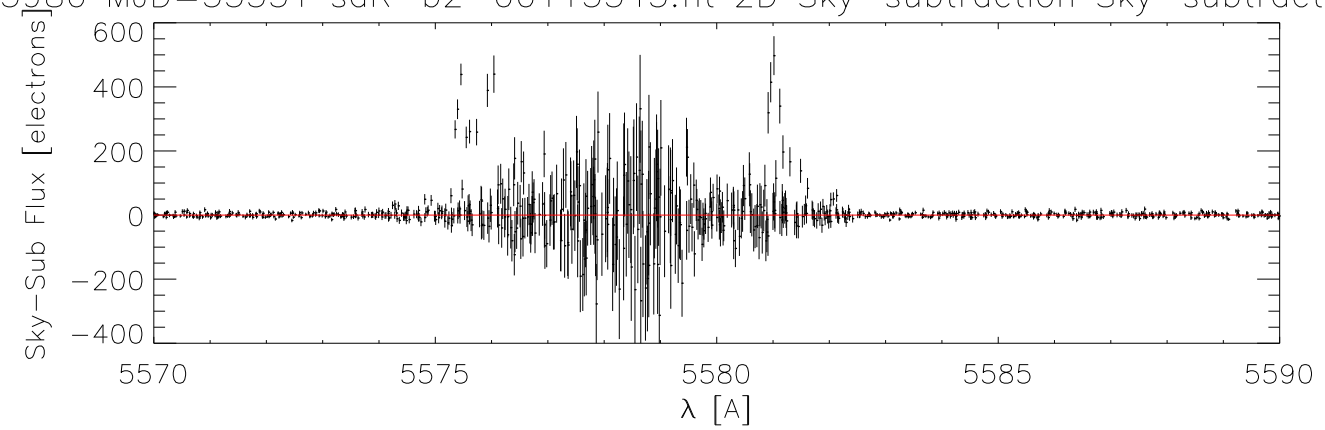

PLATE=3980 MJD=55331 sdR-b2-00115345.fit 1D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
1000
500
0
-500
-1000
5570
5575
5580
5585
5590
λ [A]

Number of sky fibers = 50

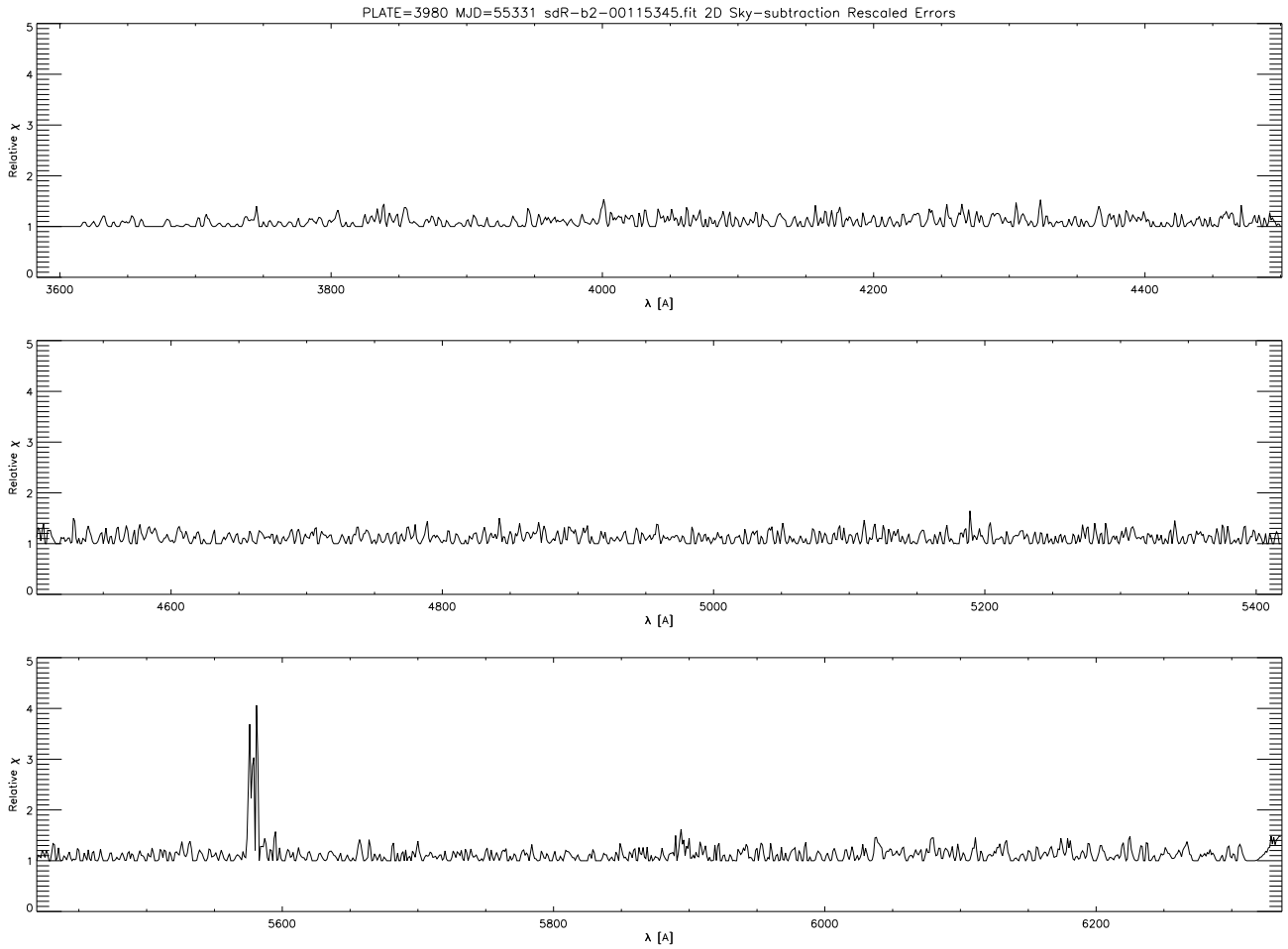


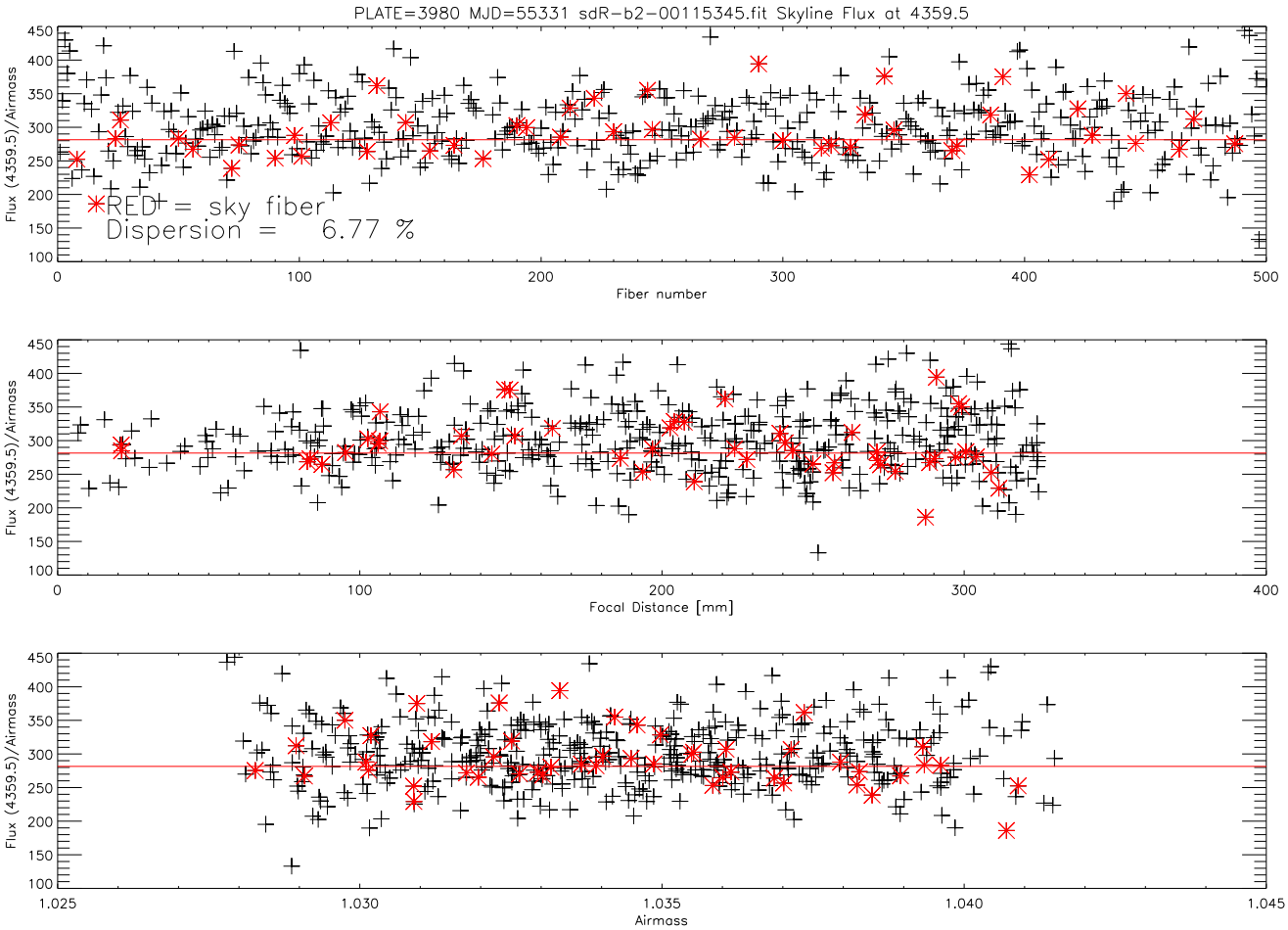

PLATE=3980 MJD=55331 sdR-b2-00115345.fit 2D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

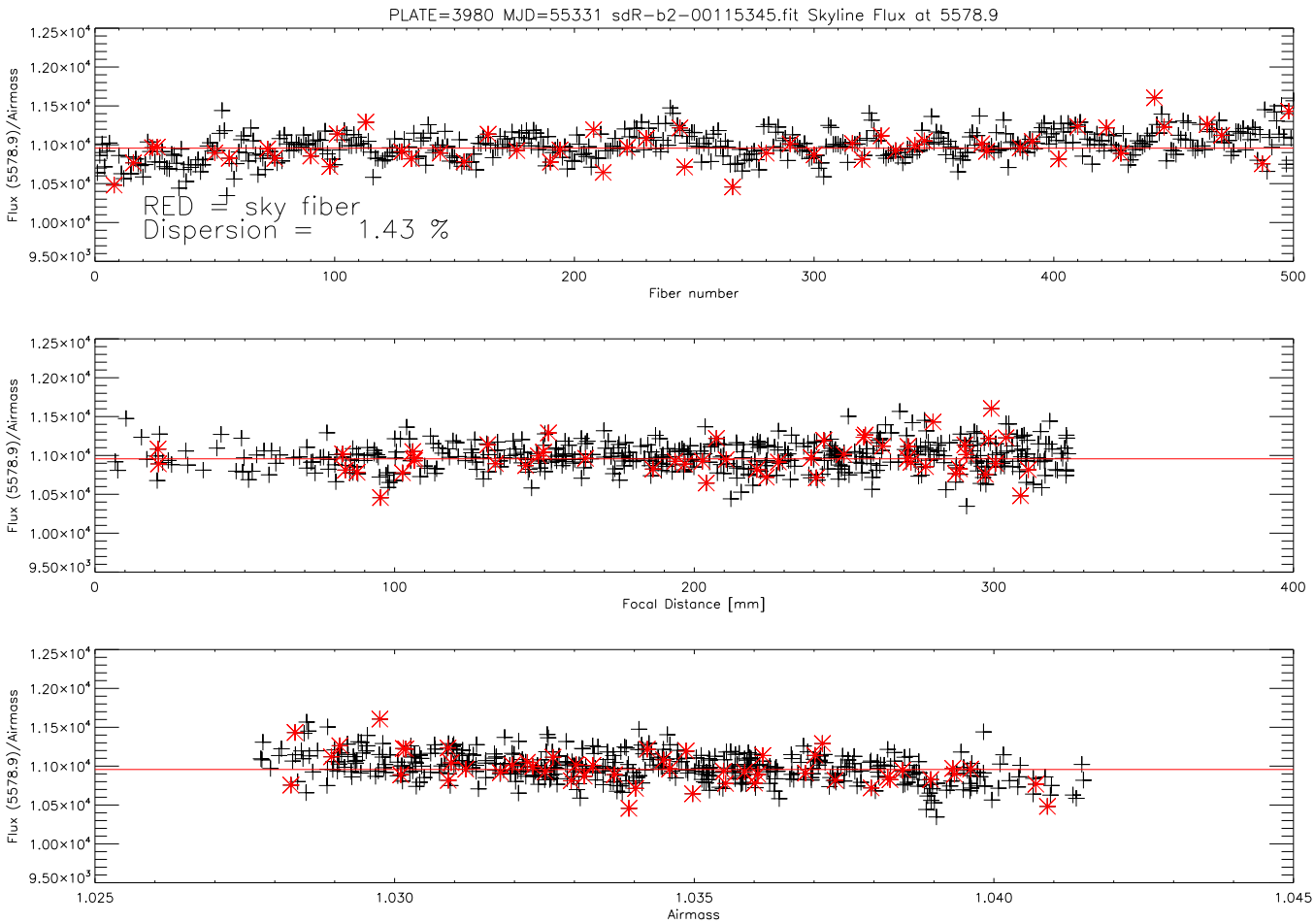

PLATE=3980 MJD=55331 sdR-b2-00115345.fit 2D Sky-subtraction Sky Fibers
Flux [electrons]
5000
4000
3000
2000
1000
0
5570
5575
5580
5585
5590
λ [A]

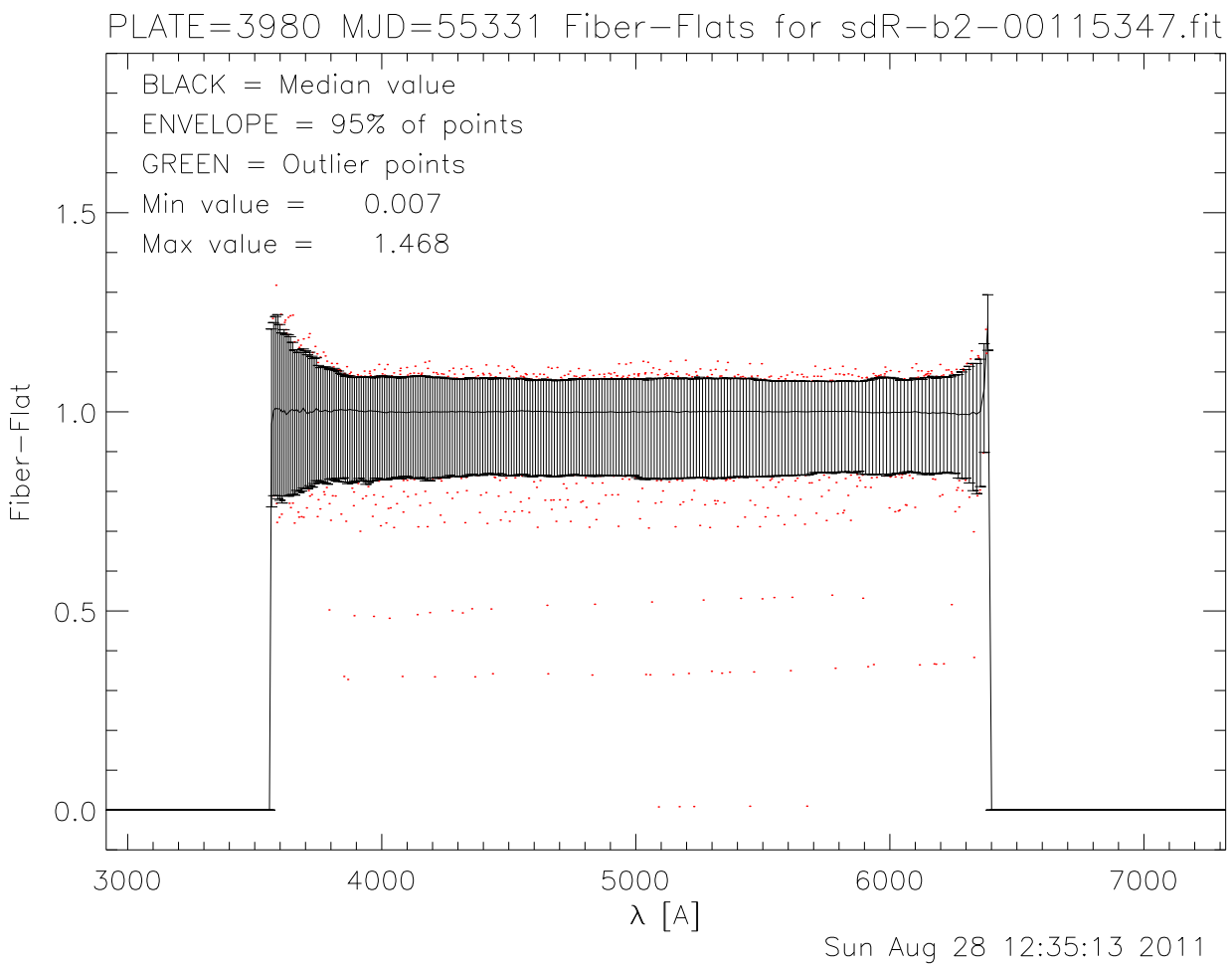

PLATE=3980 MJD=55331 sdR-b2-00115345.fit 2D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
600
400
200
0
-200
-400
5570
5575
5580
5585
5590
λ [A]

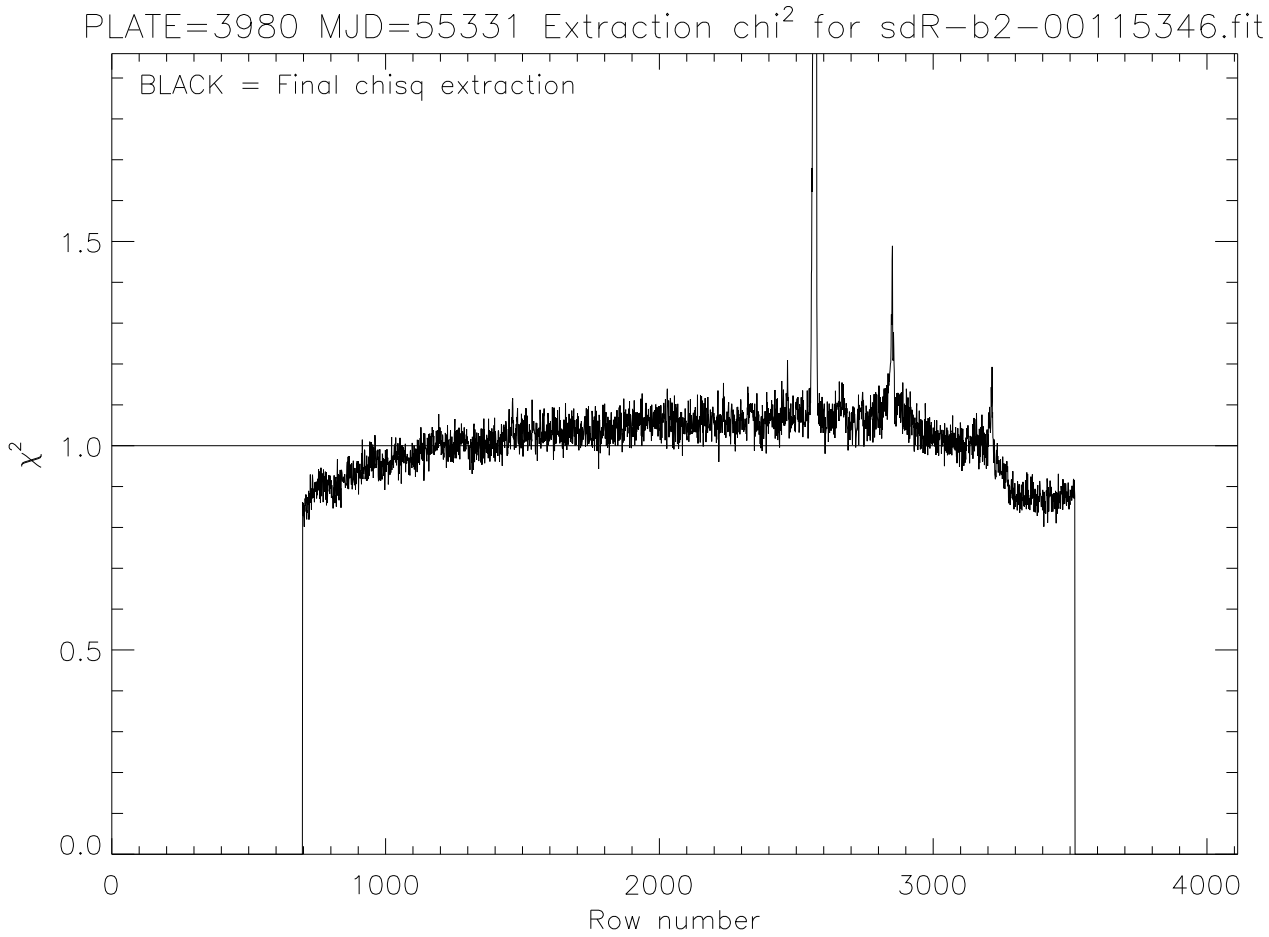
Number of sky fibers = 50

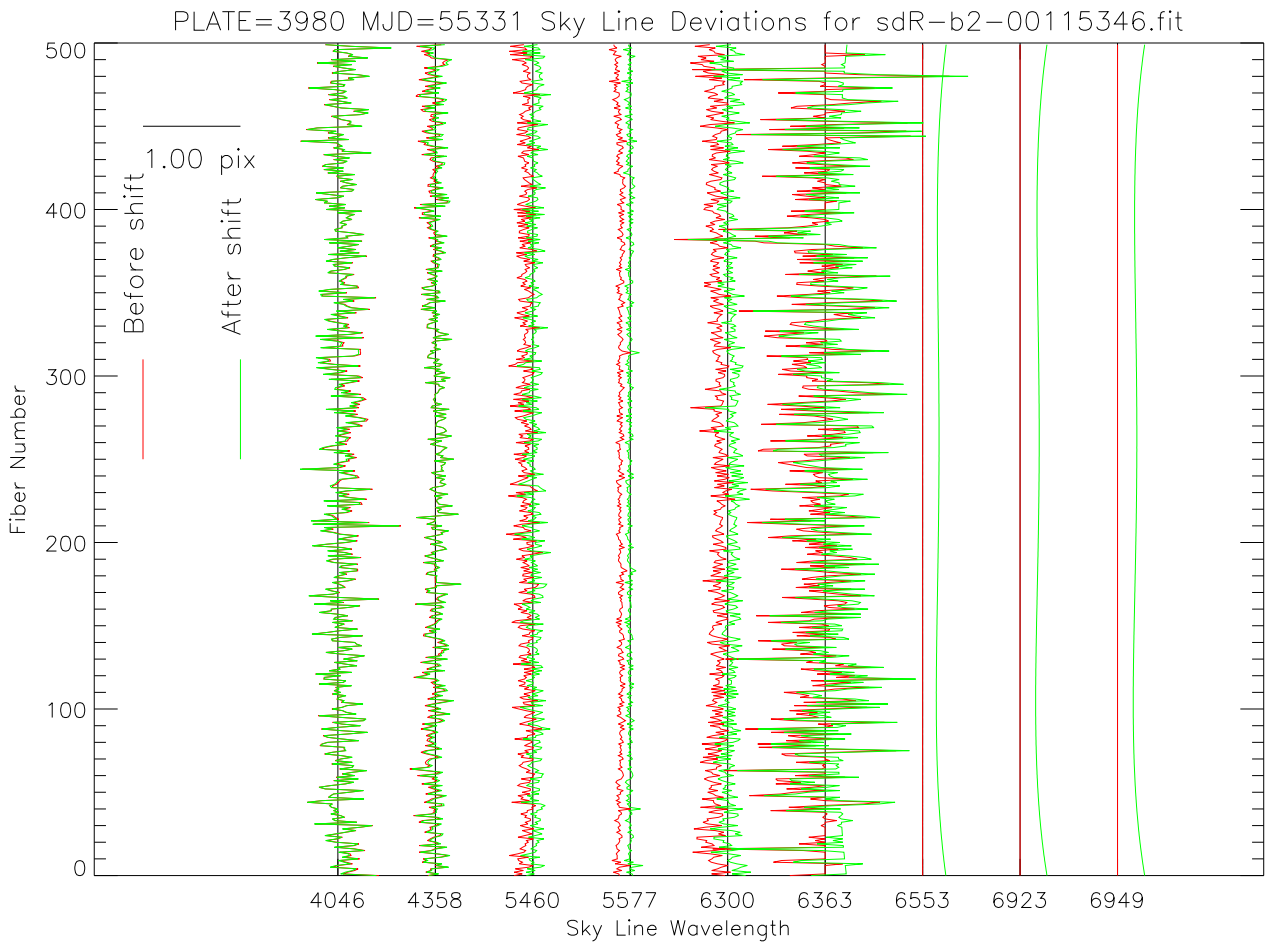


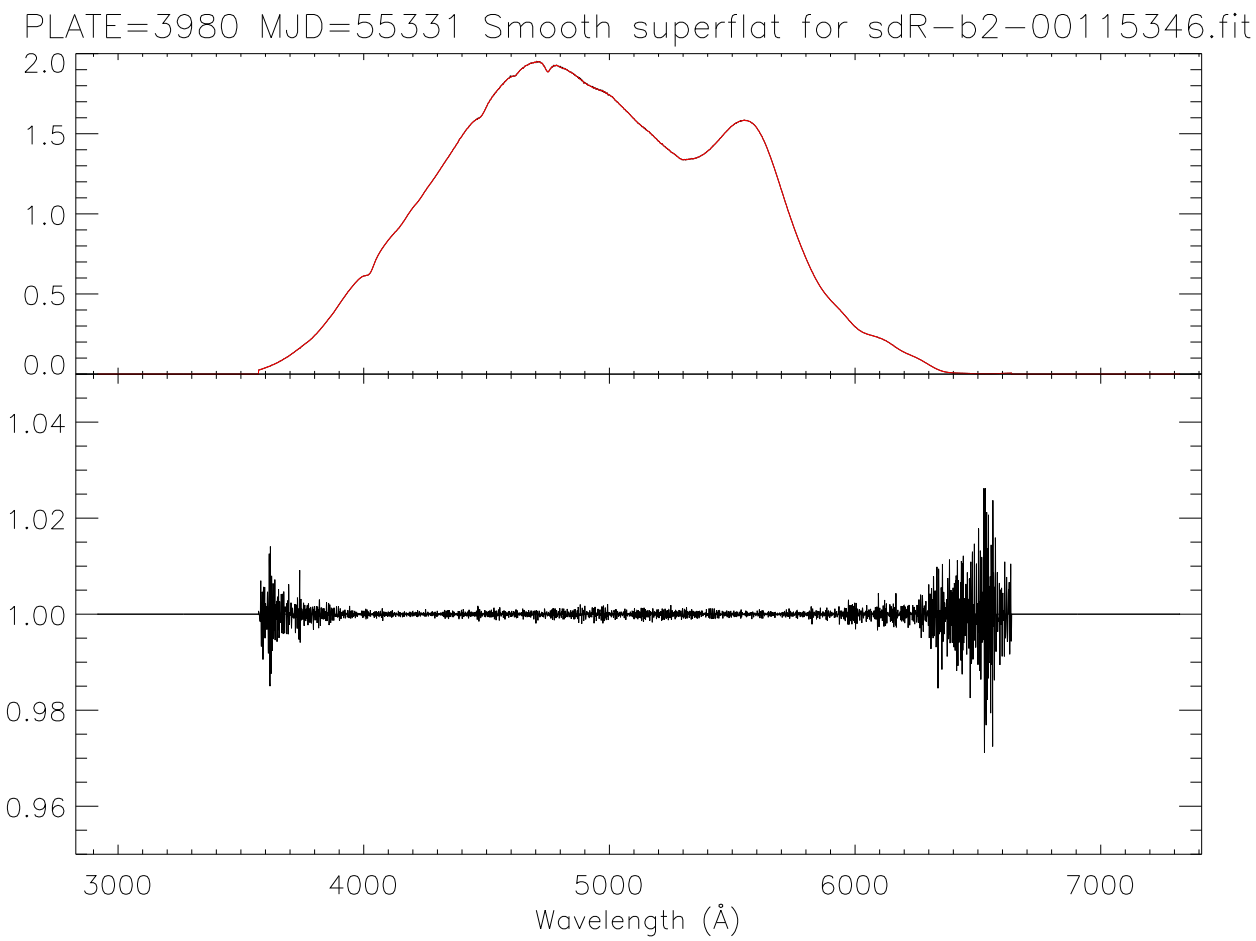

PLATE=3980 MJD=55331 sdR-b2-00115345.fit Skyline Flux at 4359.5
Flux (4359.5)/Airmass
RED = sky fiber
Dispersion = 6.77 %
Fiber number
Flux (4359.5)/Airmass
Focal Distance [mm]
Flux (4359.5)/Airmass
Airmass

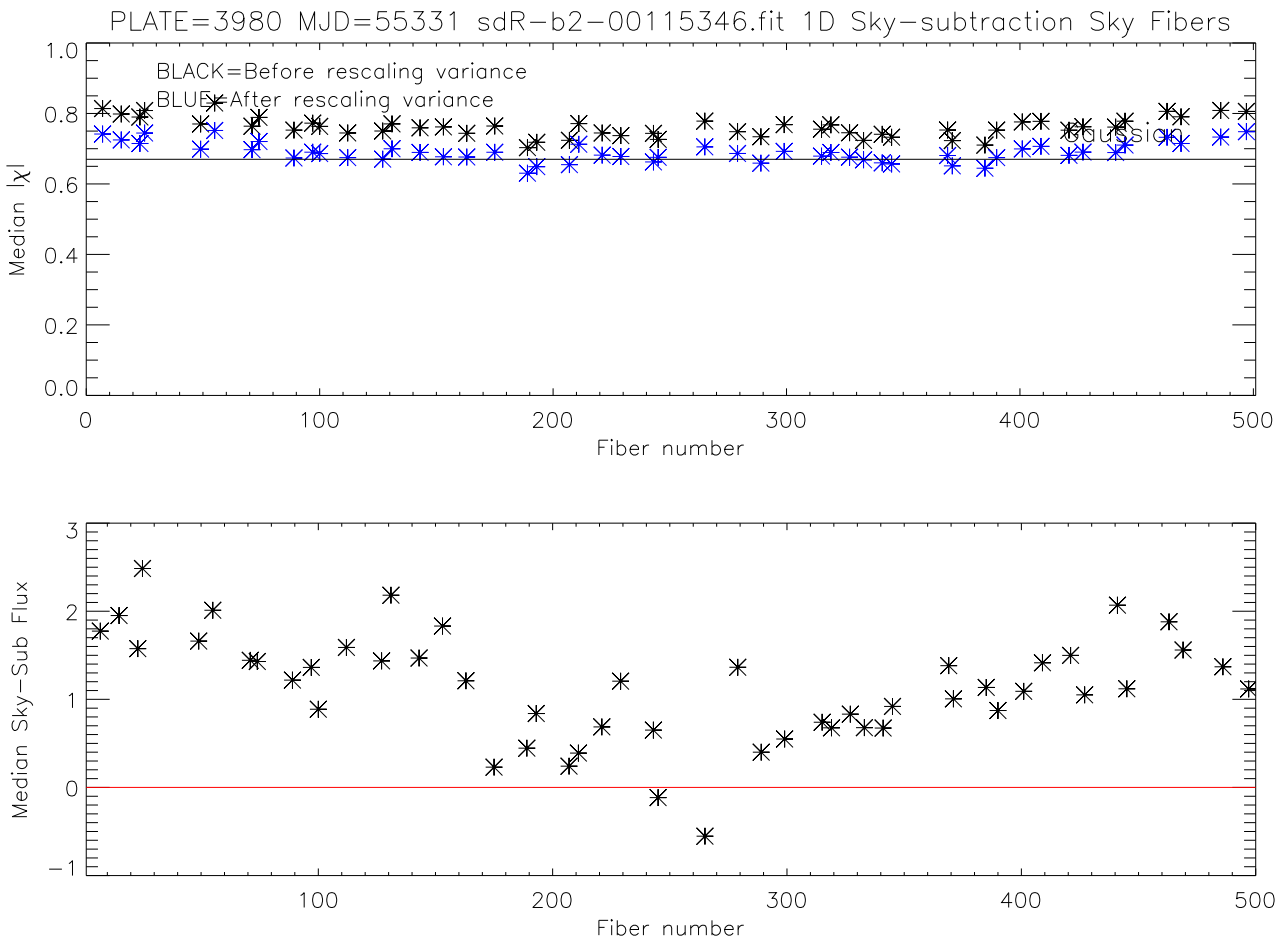

PLATE=3980 MJD=55331 sdR-b2-00115345.fit Skyline Flux at 5578.9
Flux (5578.9)/Airmass
1.25×10⁴
1.20×10⁴
1.15×10⁴
1.10×10⁴
1.05×10⁴
1.00×10⁴
9.50×10³
RED = sky fiber
Dispersion = 1.43 %
0
100
200
300
400
500
Fiber number
Flux (5578.9)/Airmass
Focal Distance [mm]
Flux (5578.9)/Airmass
1.025
1.030
1.035
1.040
1.045
Airmass


PLATE=3980 MJD=55331 Fiber-Flats for sdR-b2-00115347.fit
BLACK = Median value
ENVELOPE = 95% of points
GREEN = Outlier points
Min value = 0.007
Max value = 1.468
Fiber-Flat
1.5
1.0
0.5
0.0
3000
4000
5000
6000
7000
λ [A]
Sun Aug 28 12:35:13 2011

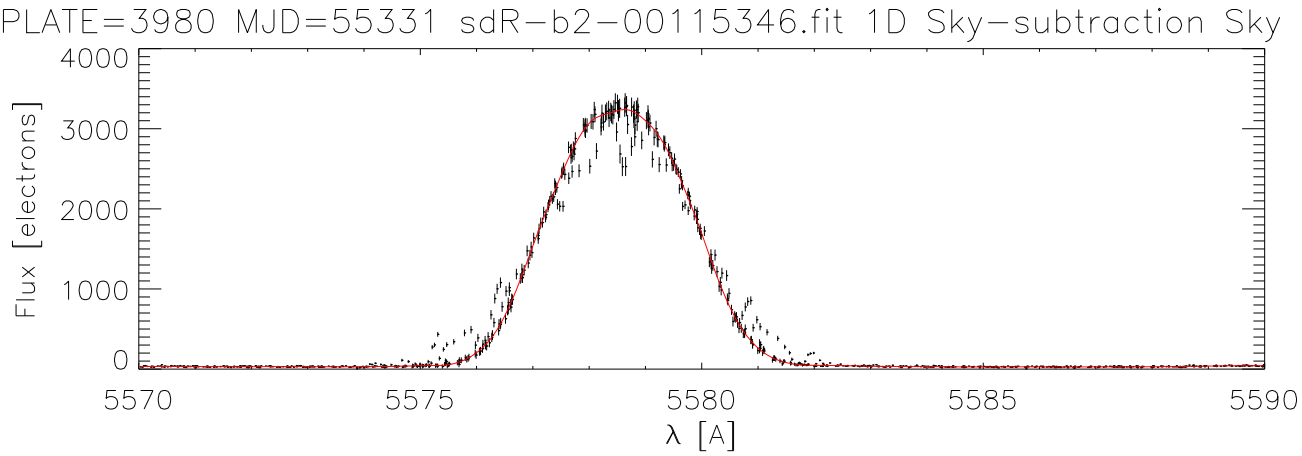

PLATE=3980 MJD=55331 Extraction chi^2 for sdR−b2−00115346.fit
BLACK = Final chisq extraction
χ^2
0.0
0.5
1.0
1.5
0
1000
2000
3000
4000
Row number

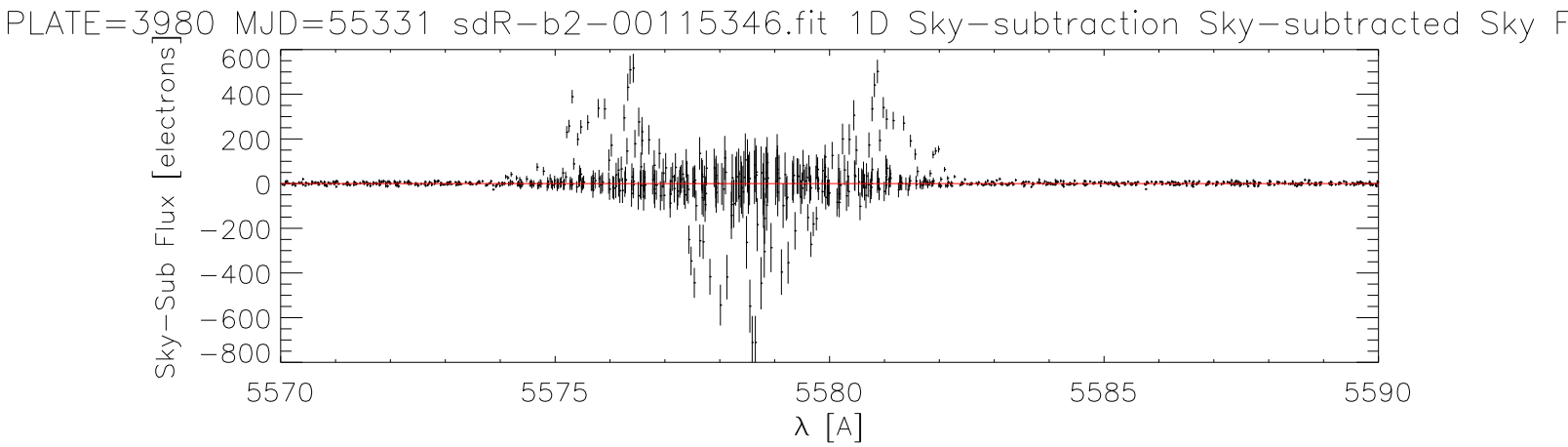

PLATE=3980 MJD=55331 Sky Line Deviations for sdR-b2-00115346.fit
1.00 pix
Before shift
After shift
Fiber Number
0
100
200
300
400
500
4046
4358
5460
5577
6300
6363
6553
6923
6949
Sky Line Wavelength


PLATE=3980 MJD=55331 Smooth superflat for sdR-b2-00115346.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)

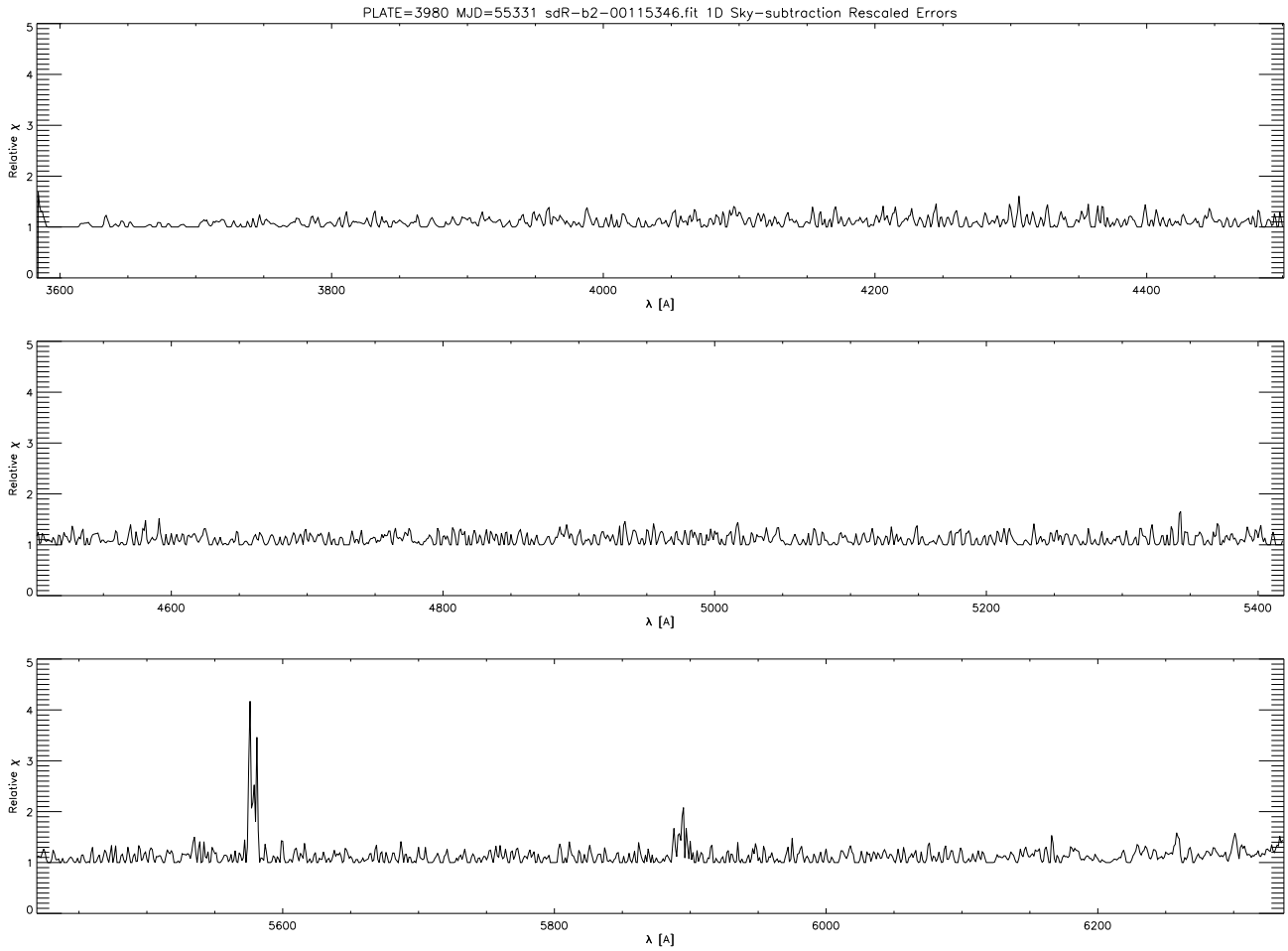

PLATE=3980 MJD=55331 sdR-b2-00115346.fit 1D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Median |χ|
Fiber number

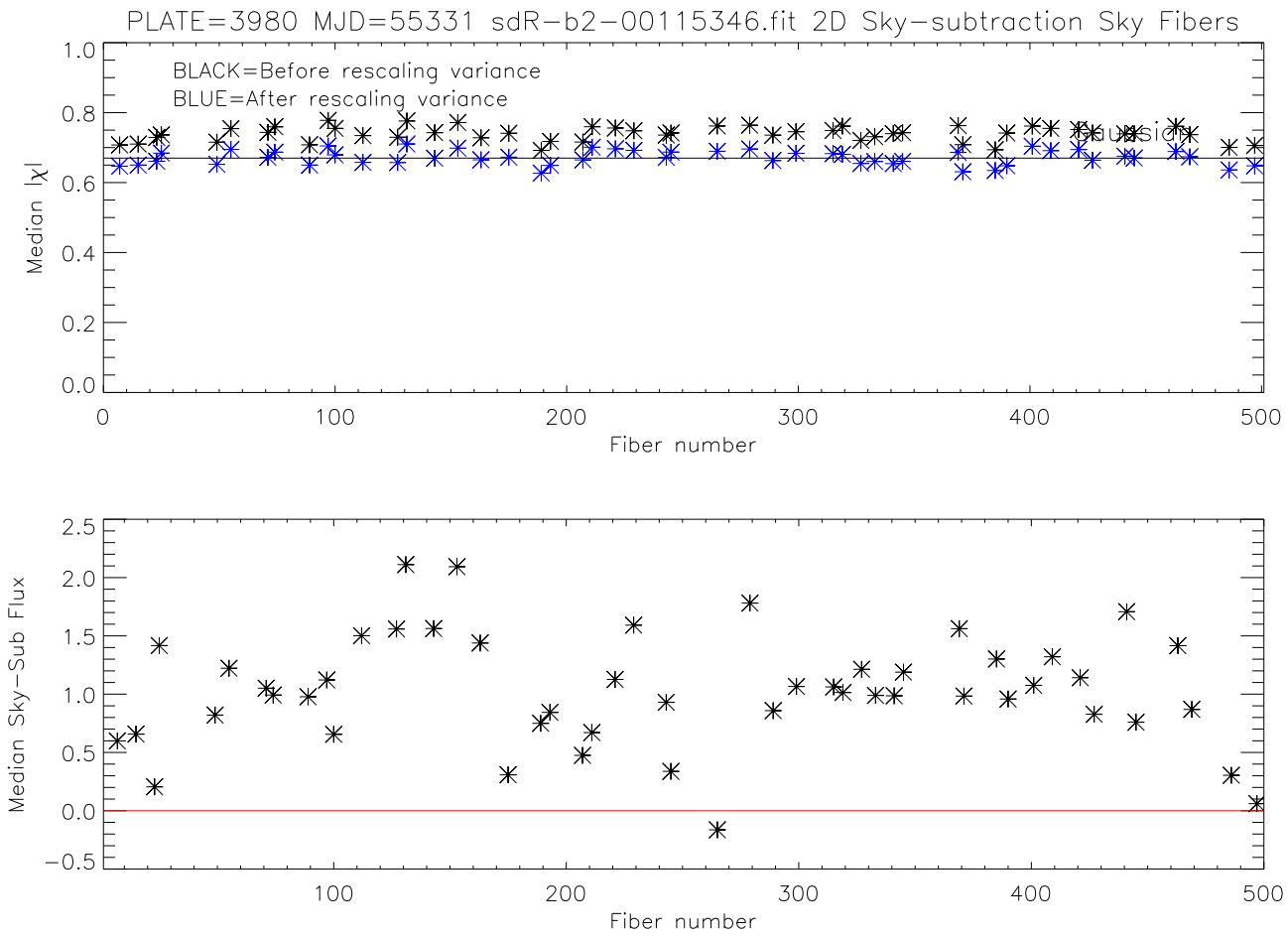
Median Sky-Sub Flux
Fiber number


PLATE=3980 MJD=55331 sdR-b2-00115346.fit 1D Sky-subtraction Sky Fibers
Flux [electrons]
4000
3000
2000
1000
0
5570
5575
5580
5585
5590
λ [A]

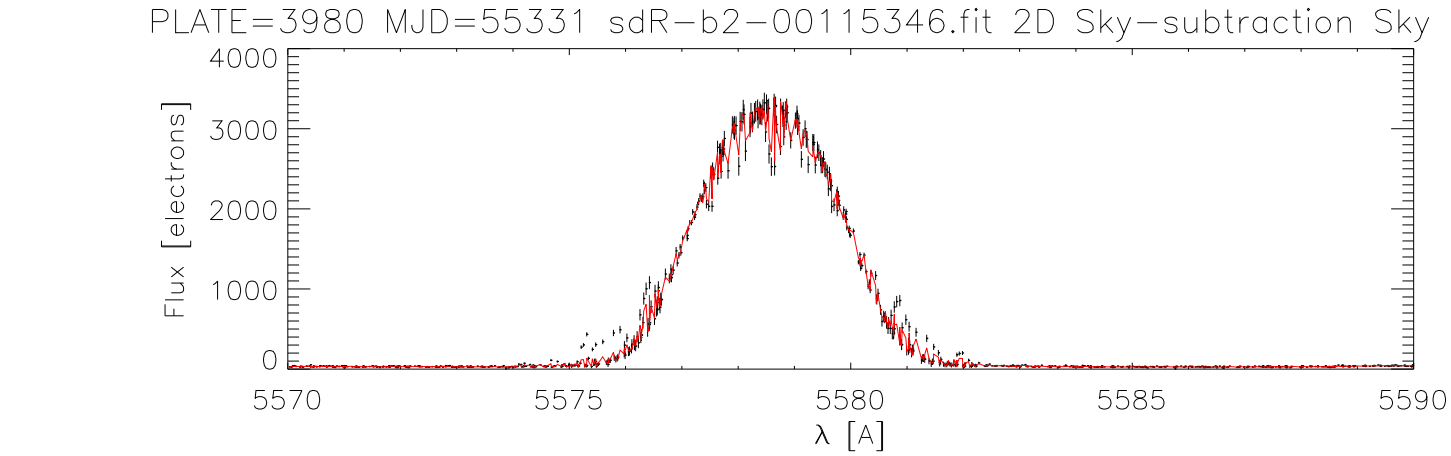

PLATE=3980 MJD=55331 sdR-b2-00115346.fit 1D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
600
400
200
0
-200
-400
-600
-800
5570
5575
5580
5585
5590
λ [A]

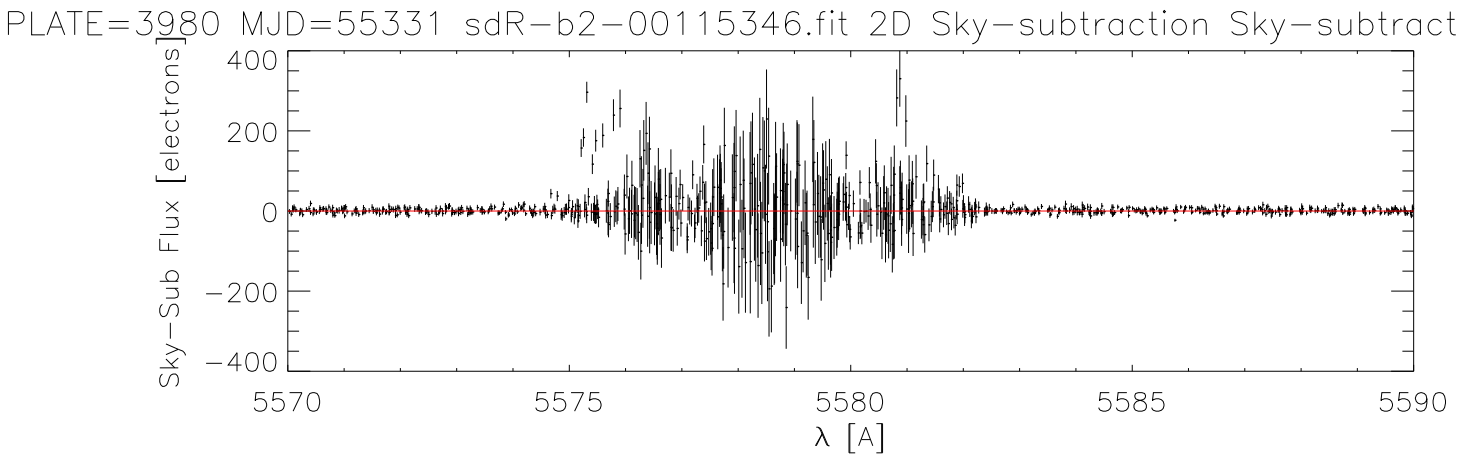
Number of sky fibers = 50



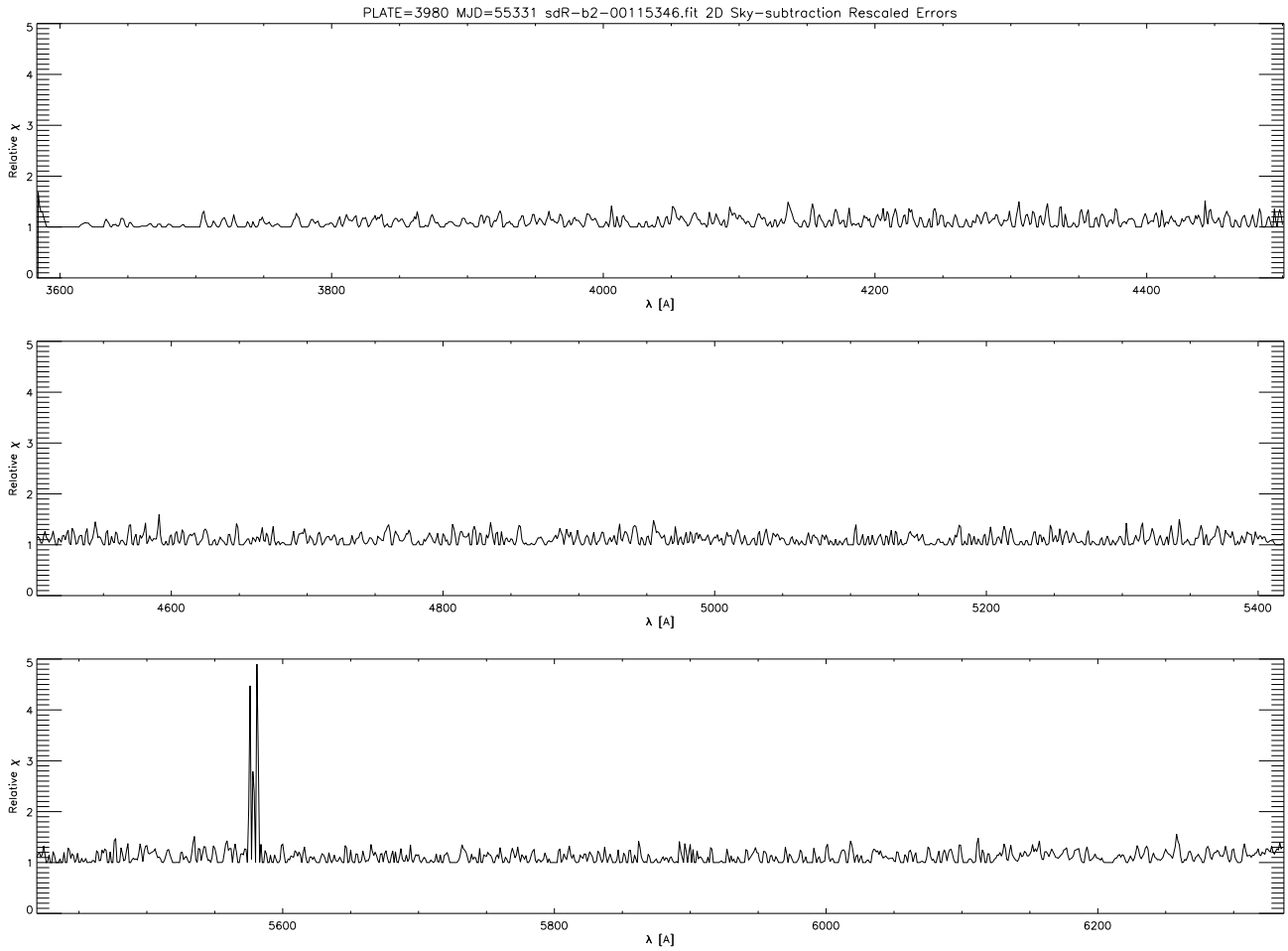

PLATE=3980 MJD=55331 sdR-b2-00115346.fit 2D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Median |χ|
Fiber number

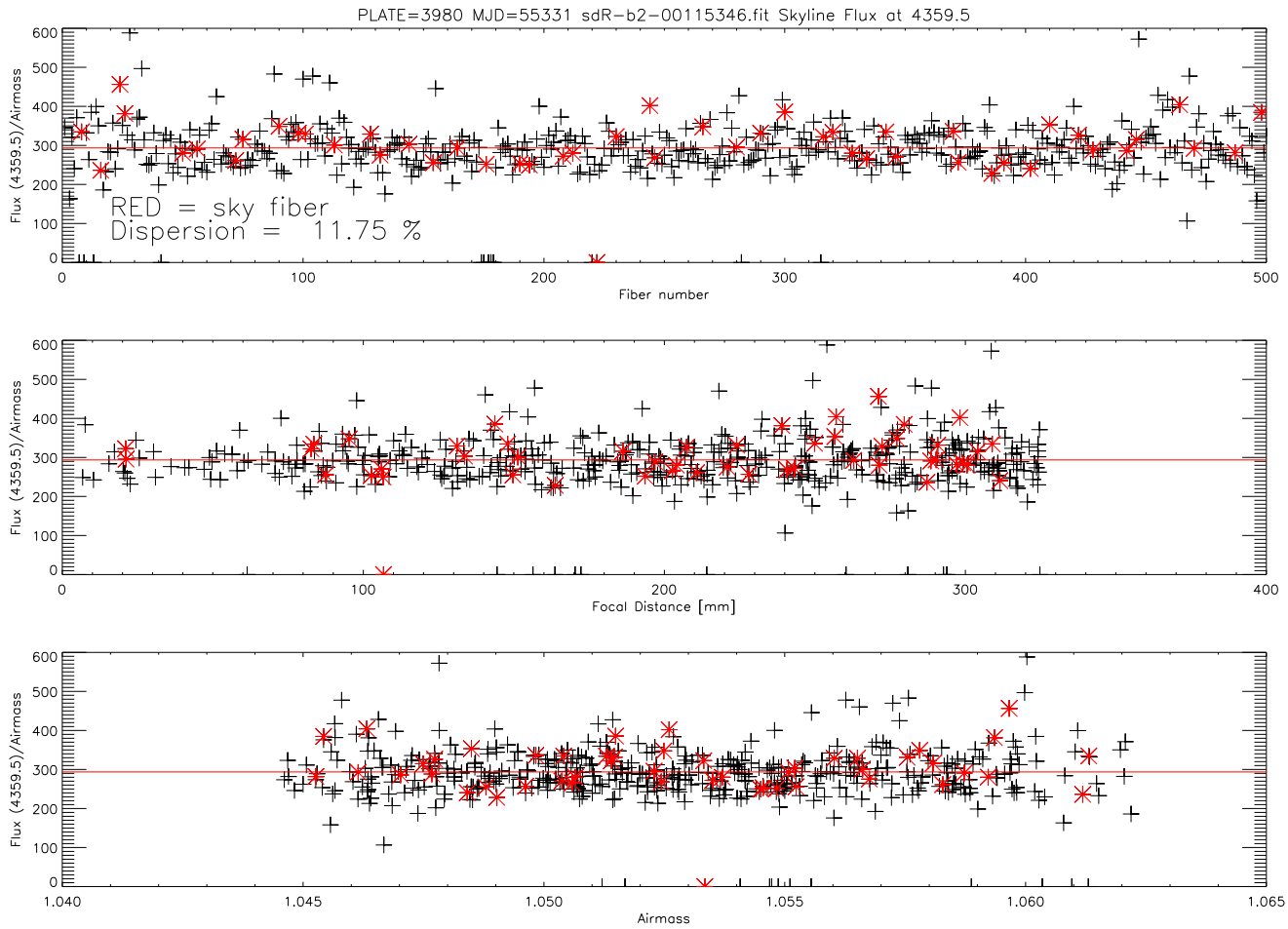
Median Sky-Sub Flux
Fiber number

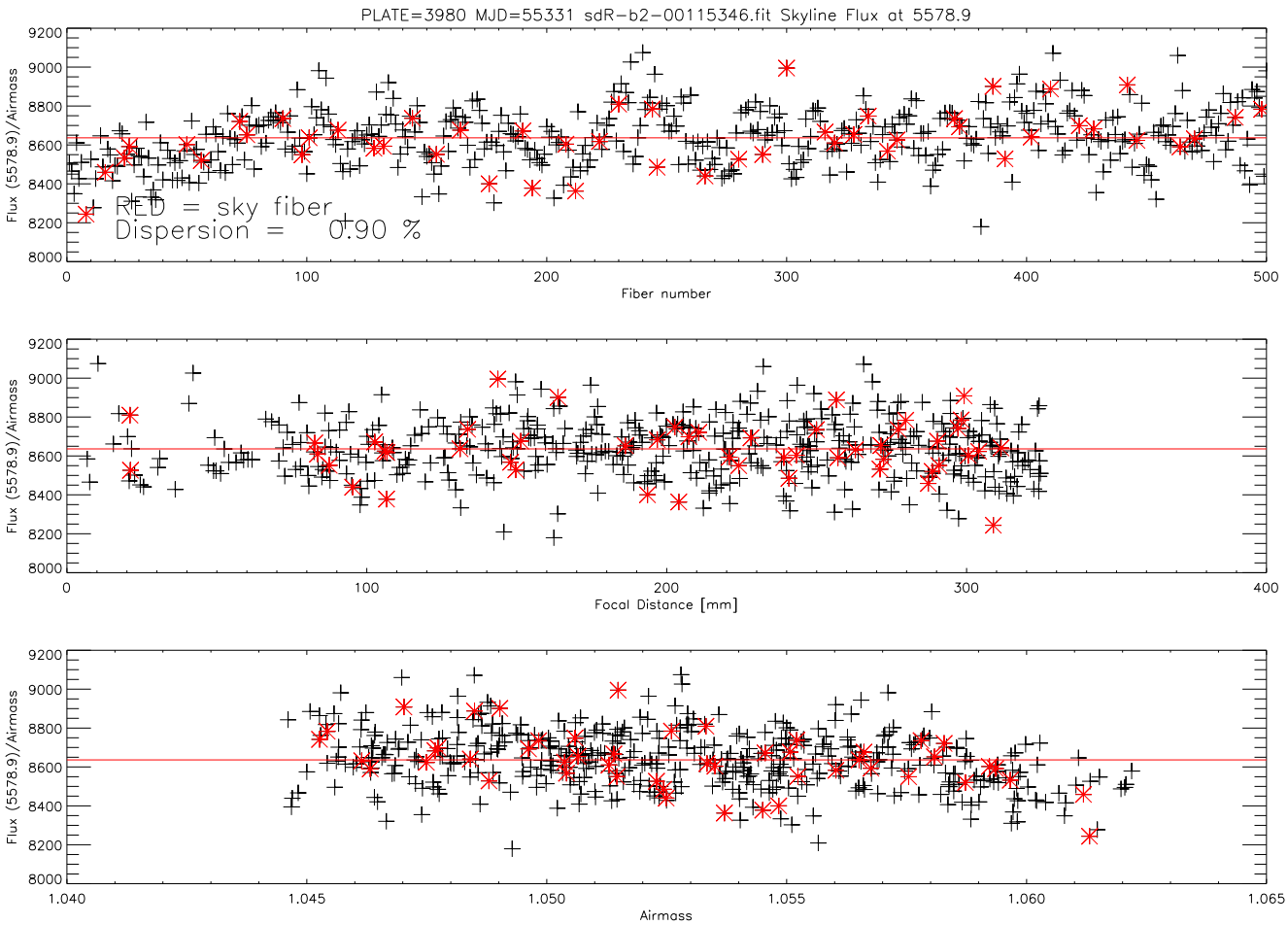

PLATE=3980 MJD=55331 sdR-b2-00115346.fit 2D Sky-subtraction Sky Fibers
Flux [electrons]
4000
3000
2000
1000
0
5570
5575
5580
5585
5590
λ [A]


PLATE=3980 MJD=55331 sdR-b2-00115346.fit 2D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
400
200
0
-200
-400
5570
5575
5580
5585
5590
λ [A]

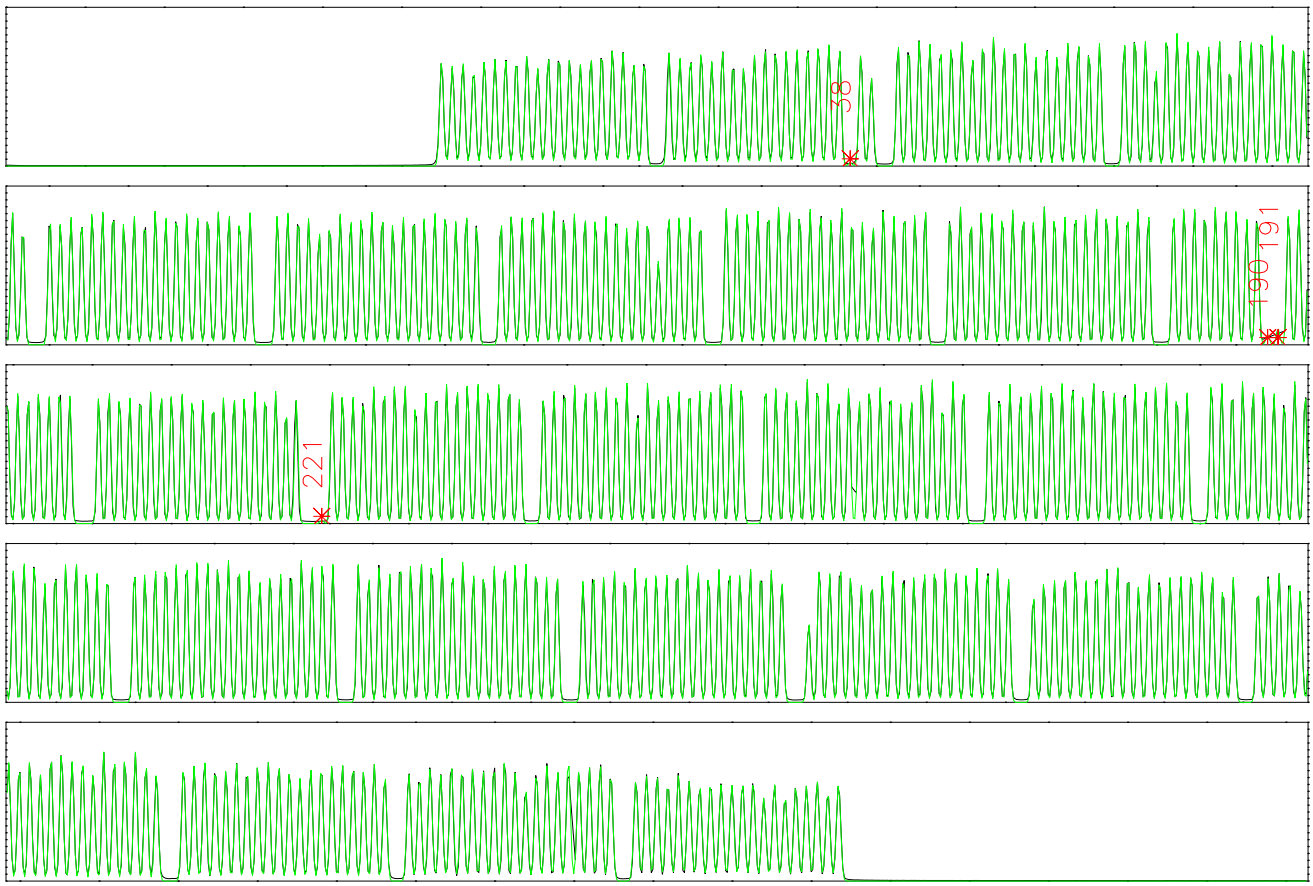
Number of sky fibers = 50



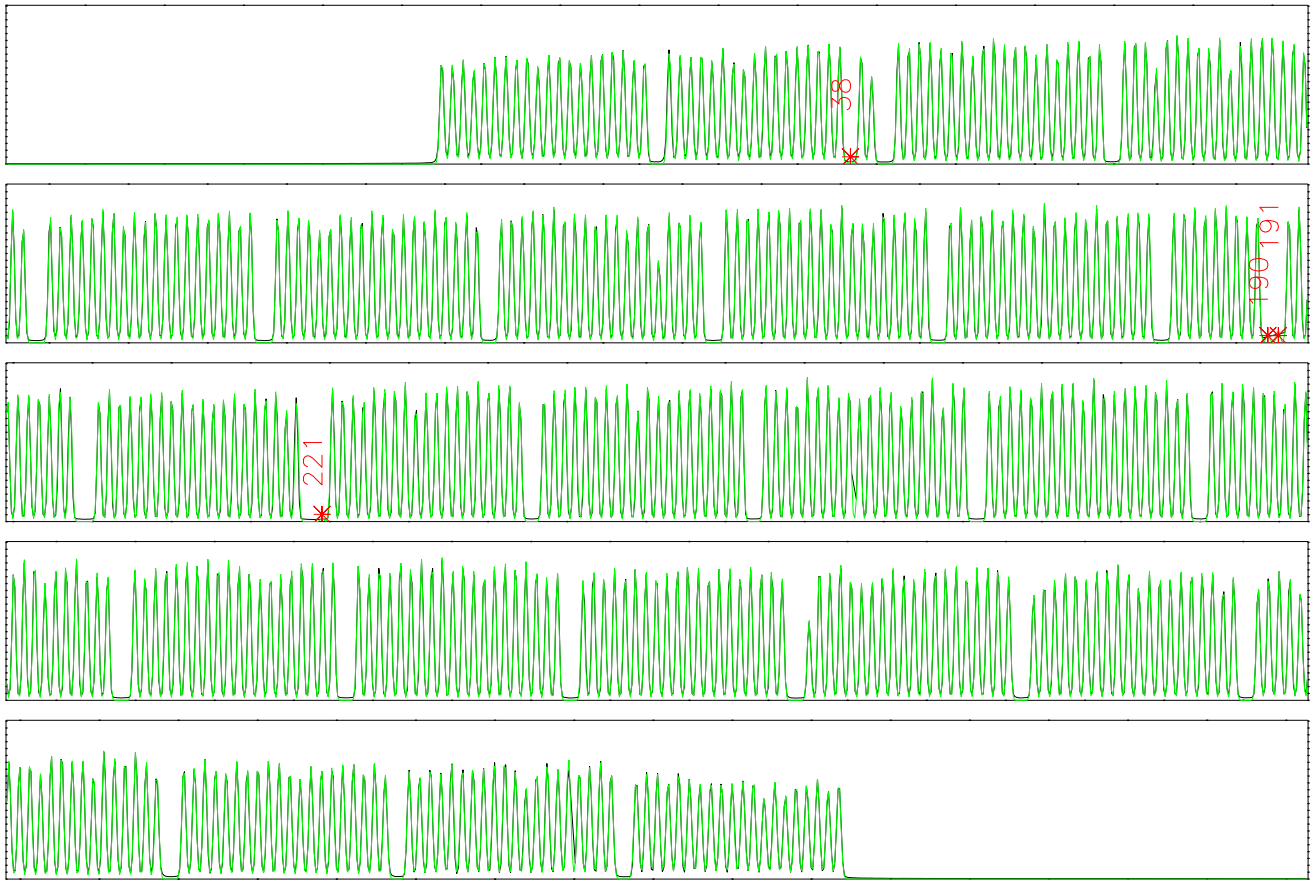

PLATE=3980 MJD=55331 sdR-b2-00115346.fit Skyline Flux at 4359.5
Flux (4359.5)/Airmass
RED = sky fiber
Dispersion = 11.75 %
Fiber number
Flux (4359.5)/Airmass
Focal Distance [mm]
Flux (4359.5)/Airmass
Airmass


PLATE=3980 MJD=55331 sdR-b2-00115346.fit Skyline Flux at 5578.9
Flux (5578.9)/Airmass
RED = sky fiber
Dispersion = 0.90 %
Fiber number
Flux (5578.9)/Airmass
Focal Distance [mm]
Flux (5578.9)/Airmass
Airmass

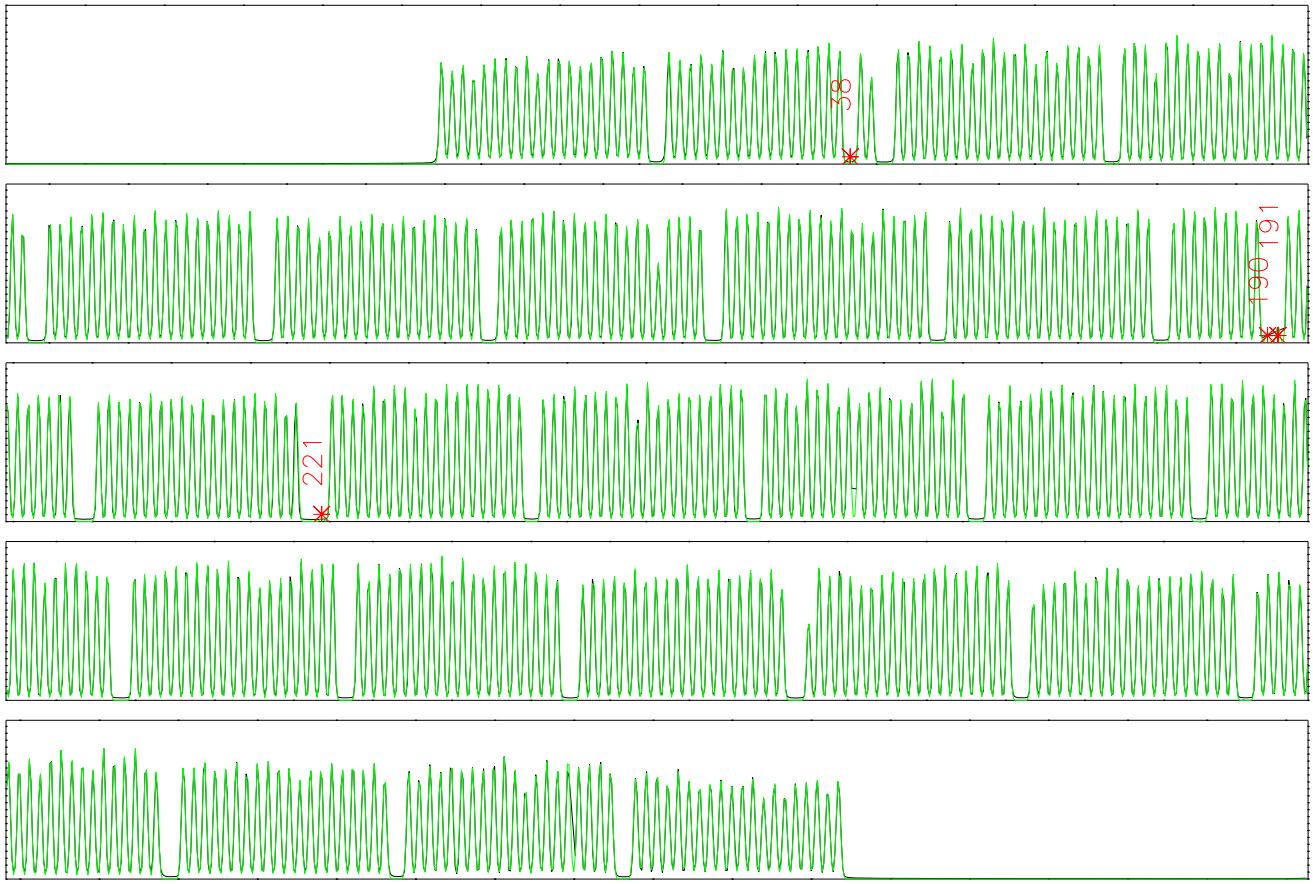
PLATE=3980 MJD=55331 Traces sdR-r1-00115334.fit



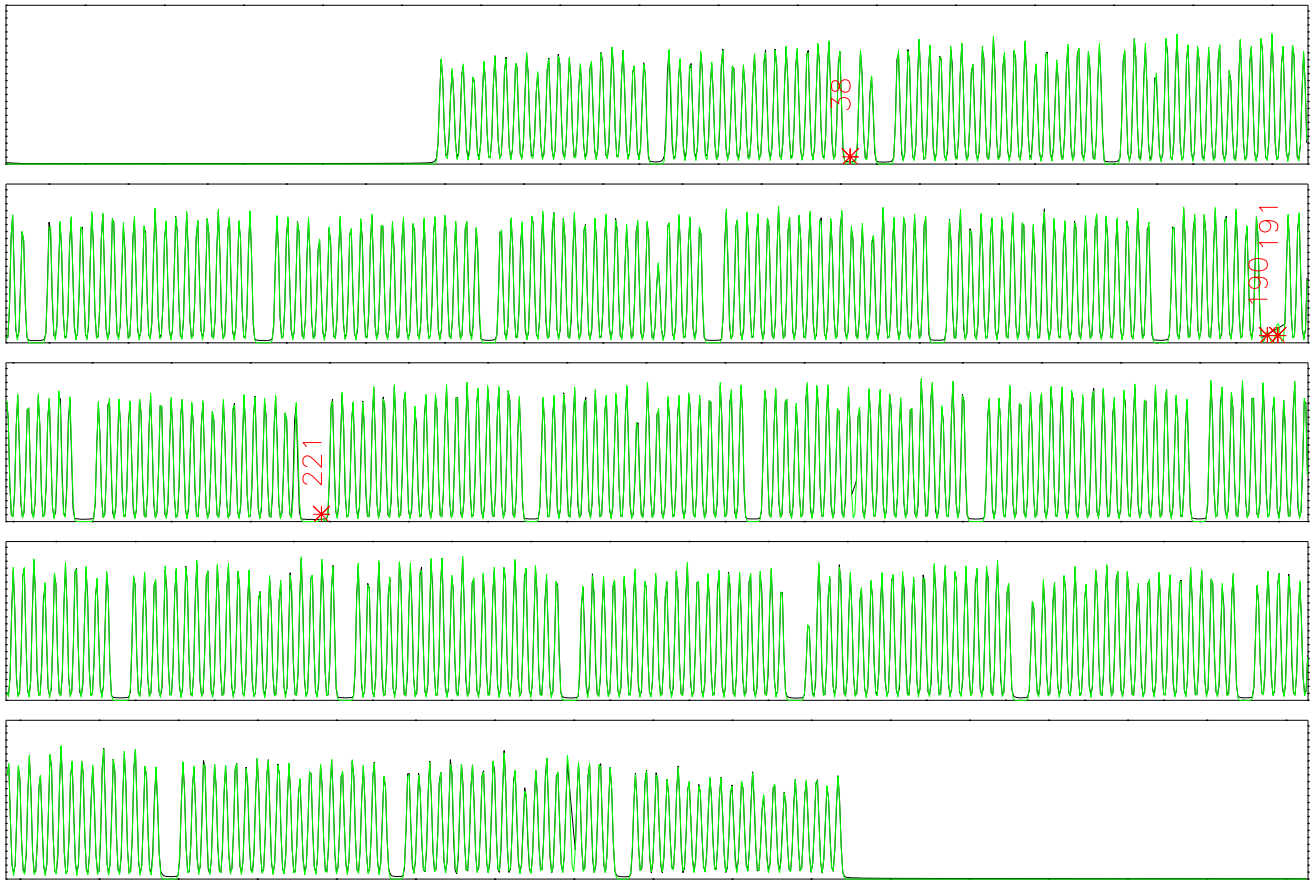
PLATE=3980 MJD=55331 Traces sdR-r1-00115338.fit

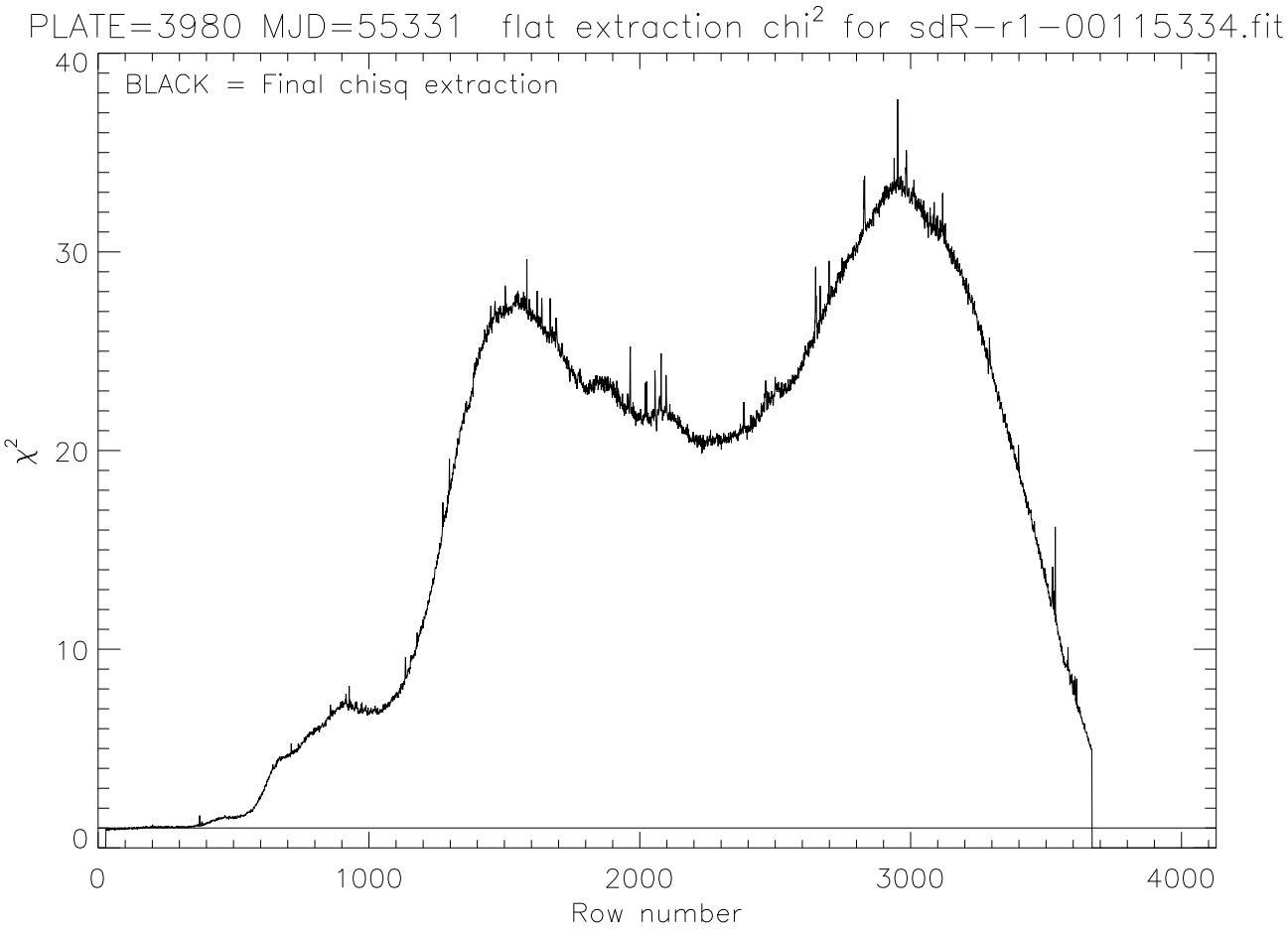


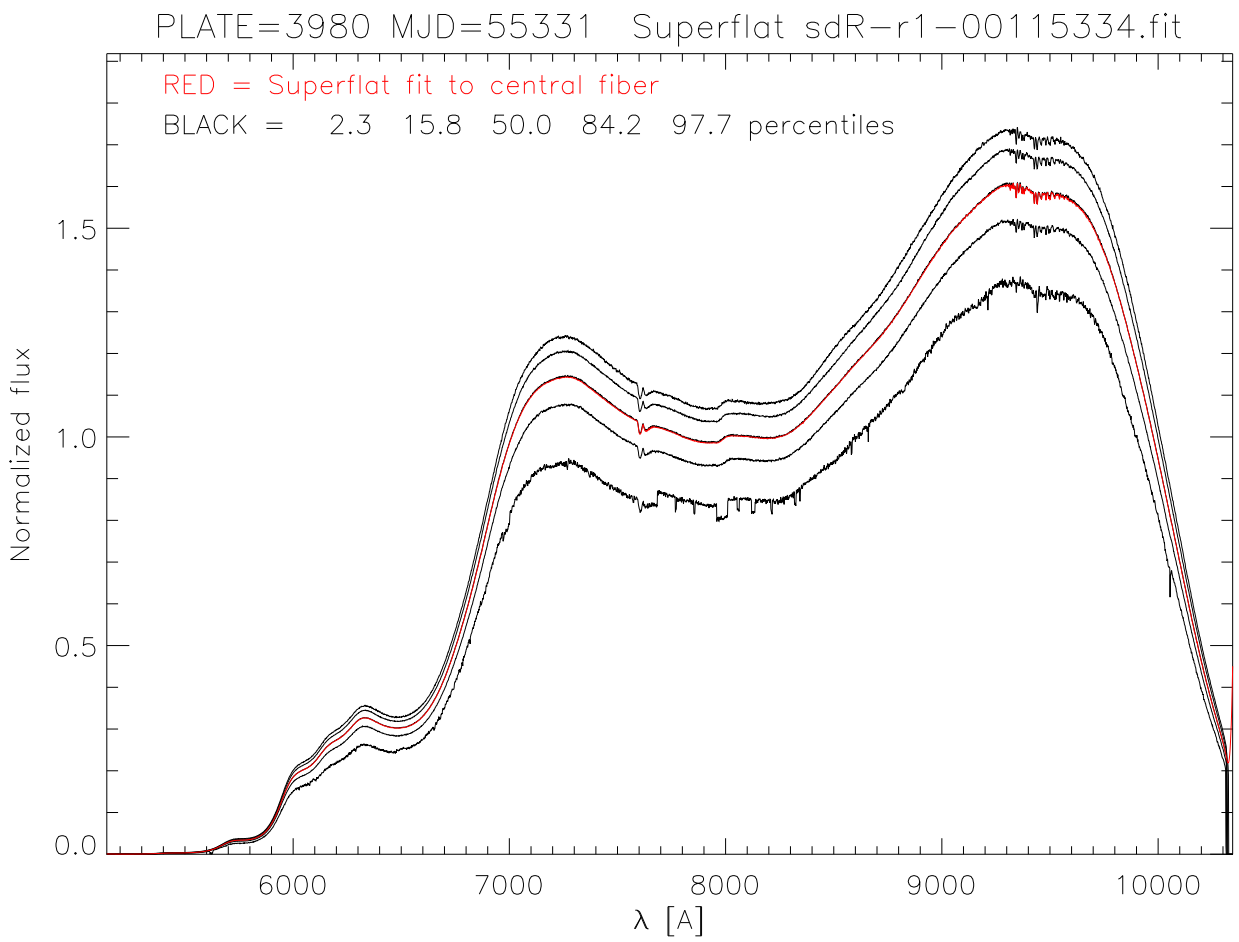
PLATE=3980 MJD=55331 Traces sdR-r1-00115342.fit

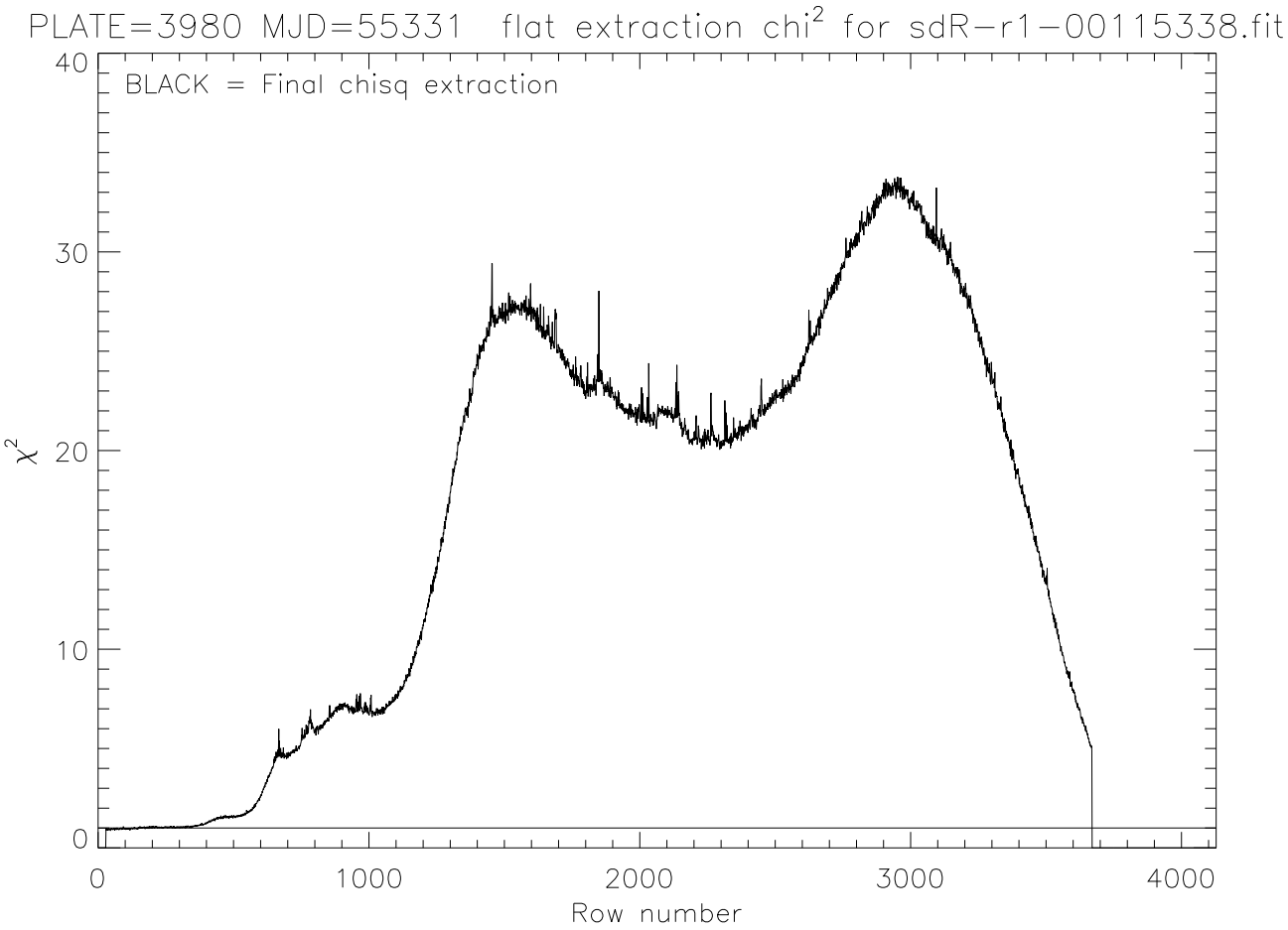


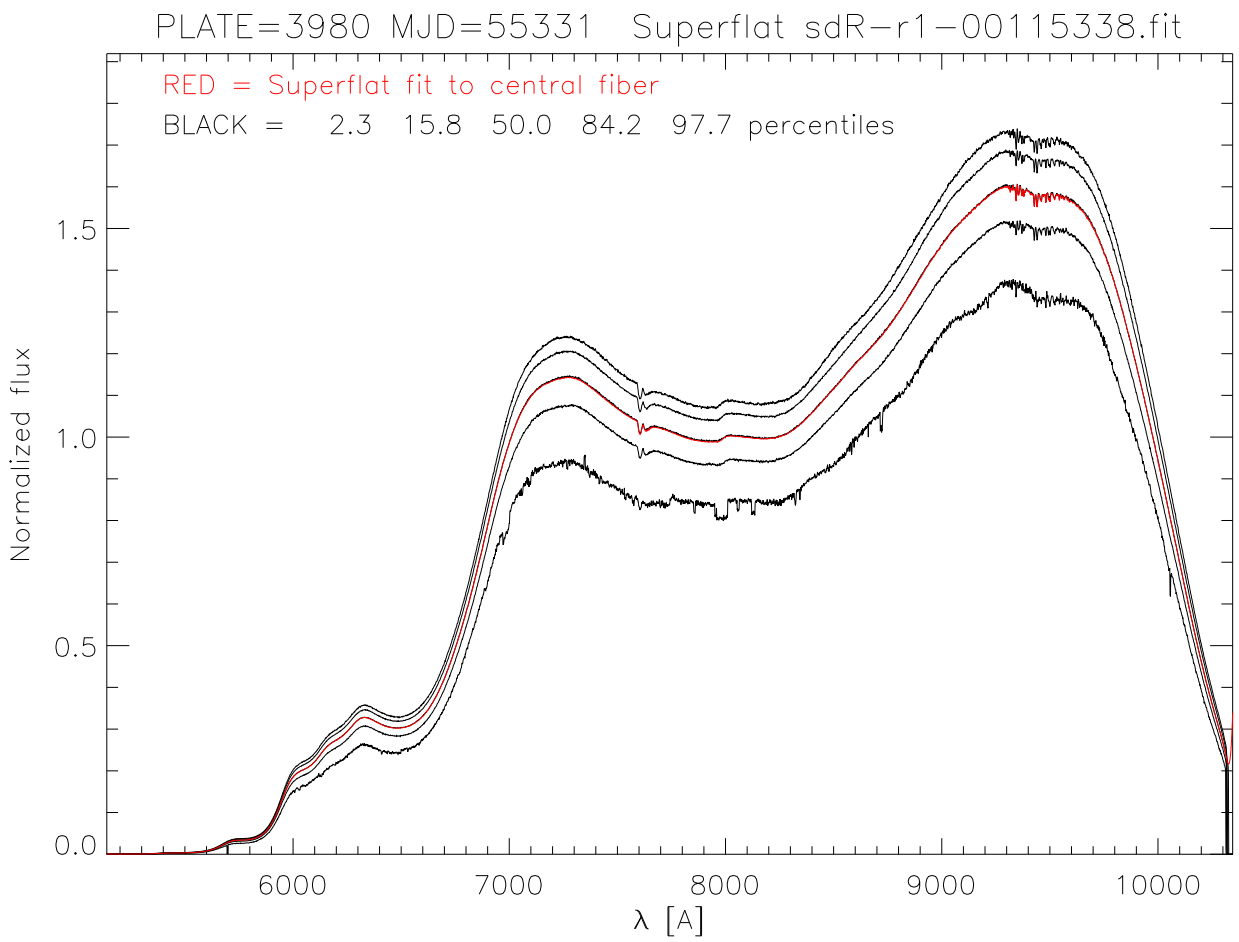
PLATE=3980 MJD=55331 Traces sdR-r1-00115347.fit

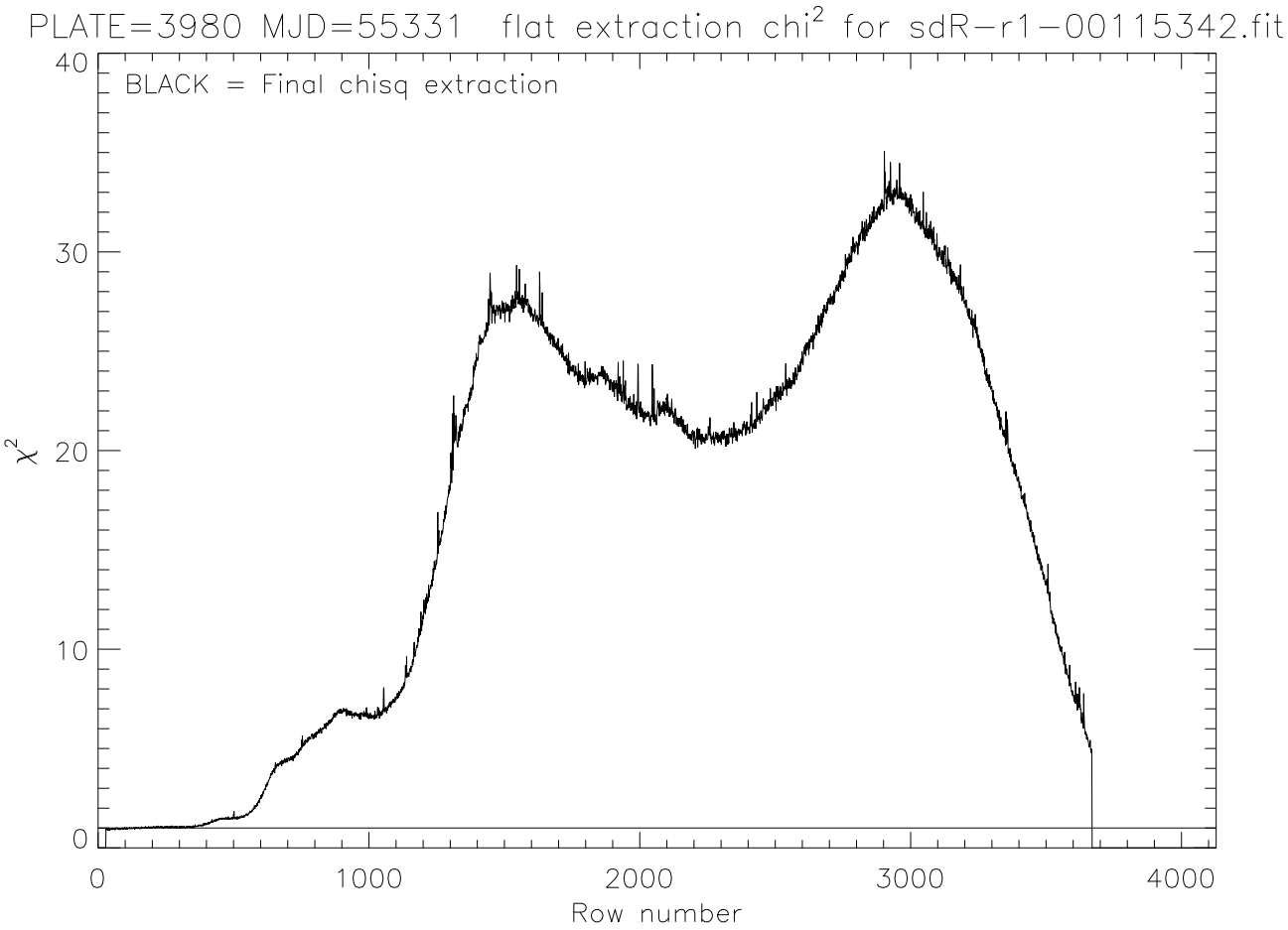


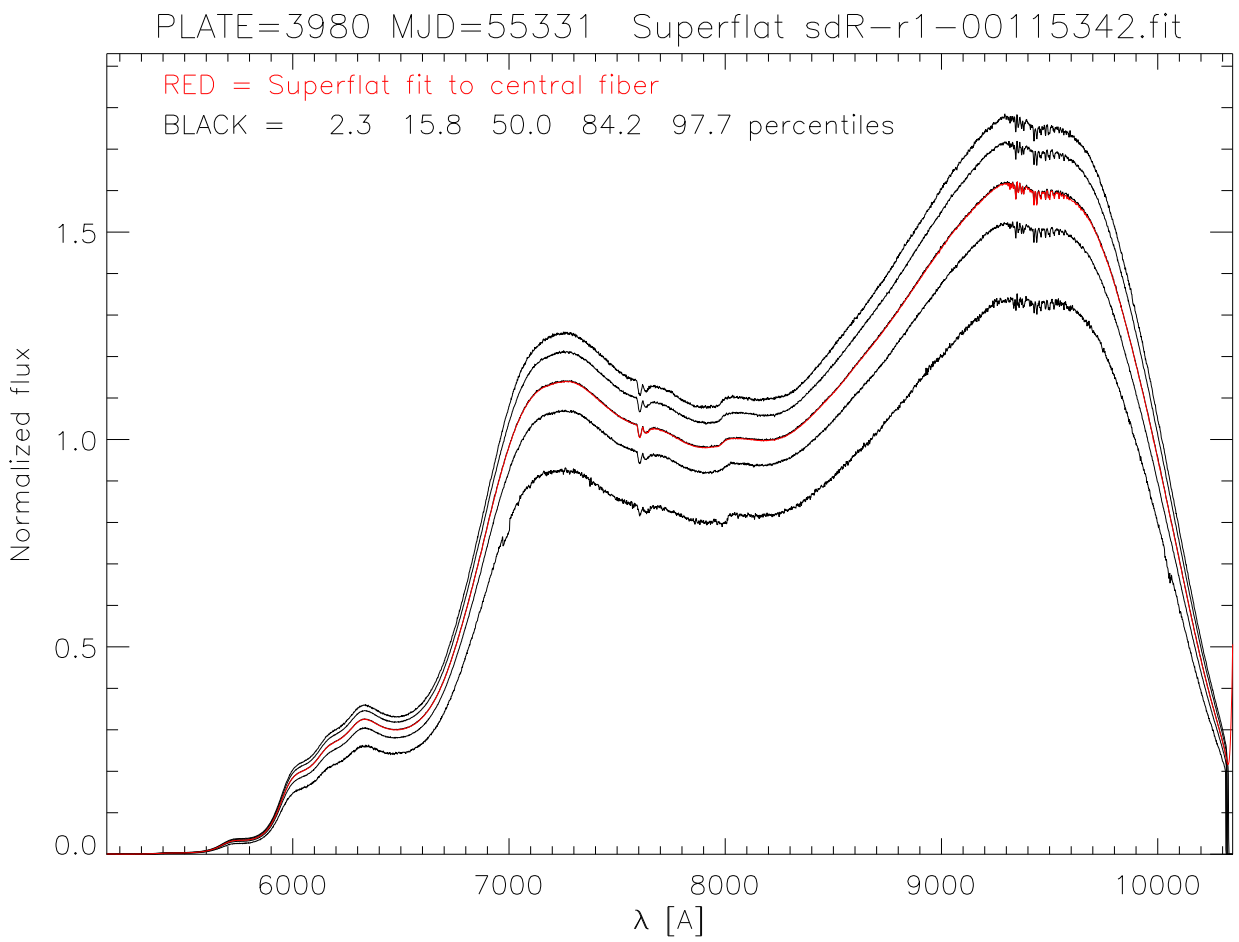

PLATE=3980 MJD=55331 flat extraction chi^2 for sdR−r1−00115334.fit
BLACK = Final chisq extraction
χ^2
0
10
20
30
40
0
1000
2000
3000
4000
Row number

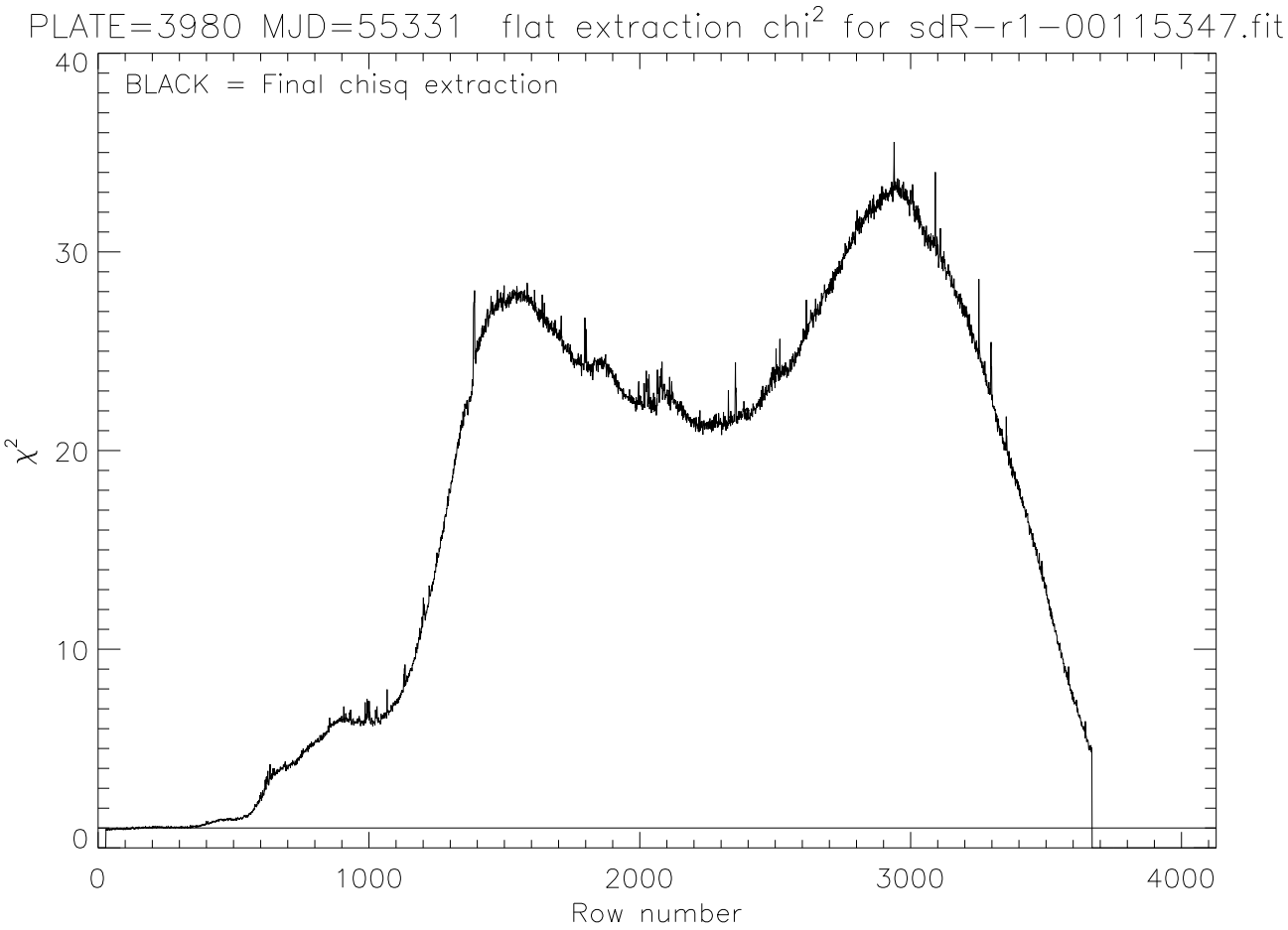

PLATE=3980 MJD=55331 Superflat sdR-r1-00115334.fit
RED = Superflat fit to central fiber
BLACK = 2.3 15.8 50.0 84.2 97.7 percentiles
Normalized flux
0.0
0.5
1.0
1.5
6000
7000
8000
9000
10000
λ [A]

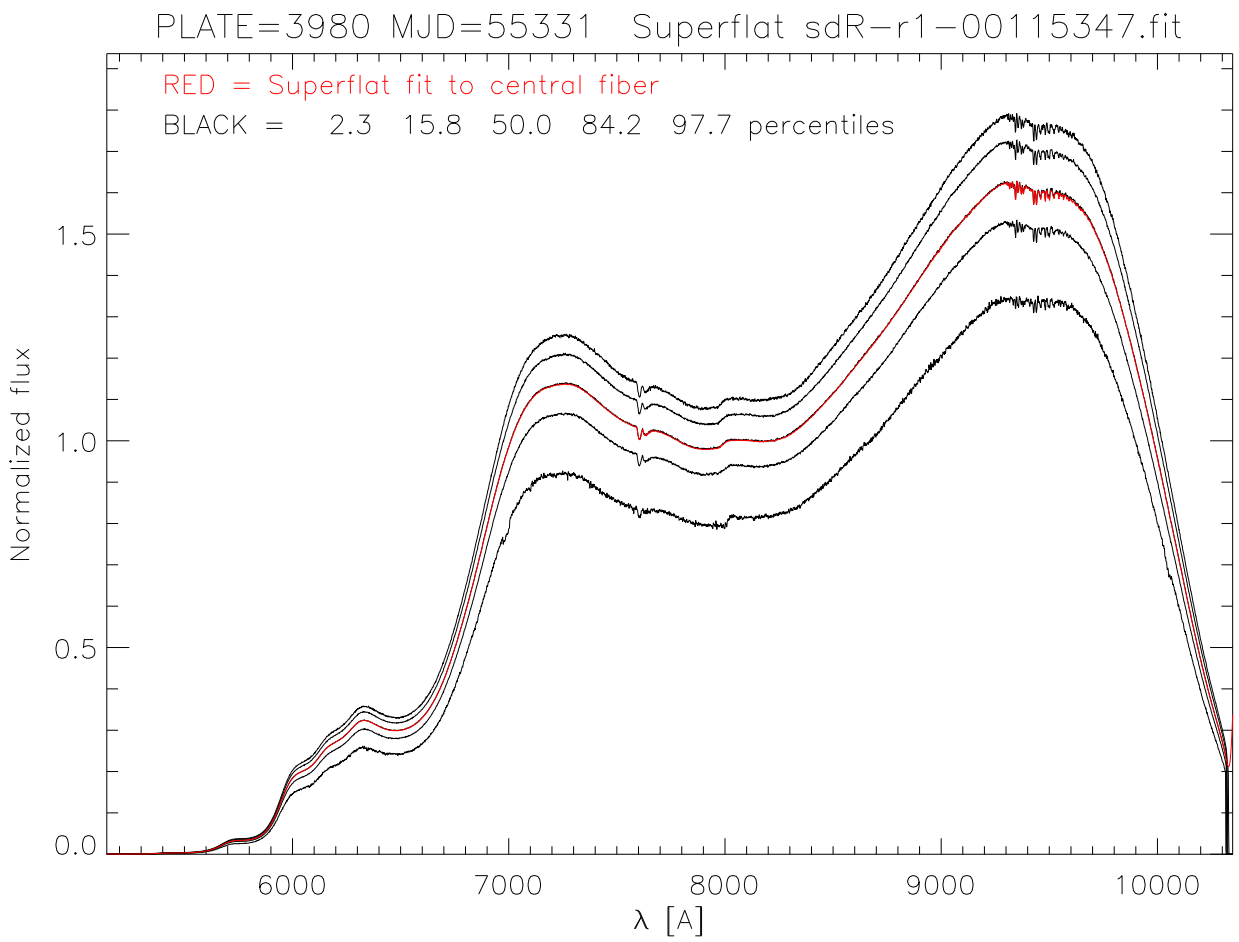

PLATE=3980 MJD=55331 flat extraction chi^2 for sdR−r1−00115338.fit
BLACK = Final chisq extraction
χ^2
0
10
20
30
40
0
1000
2000
3000
4000
Row number

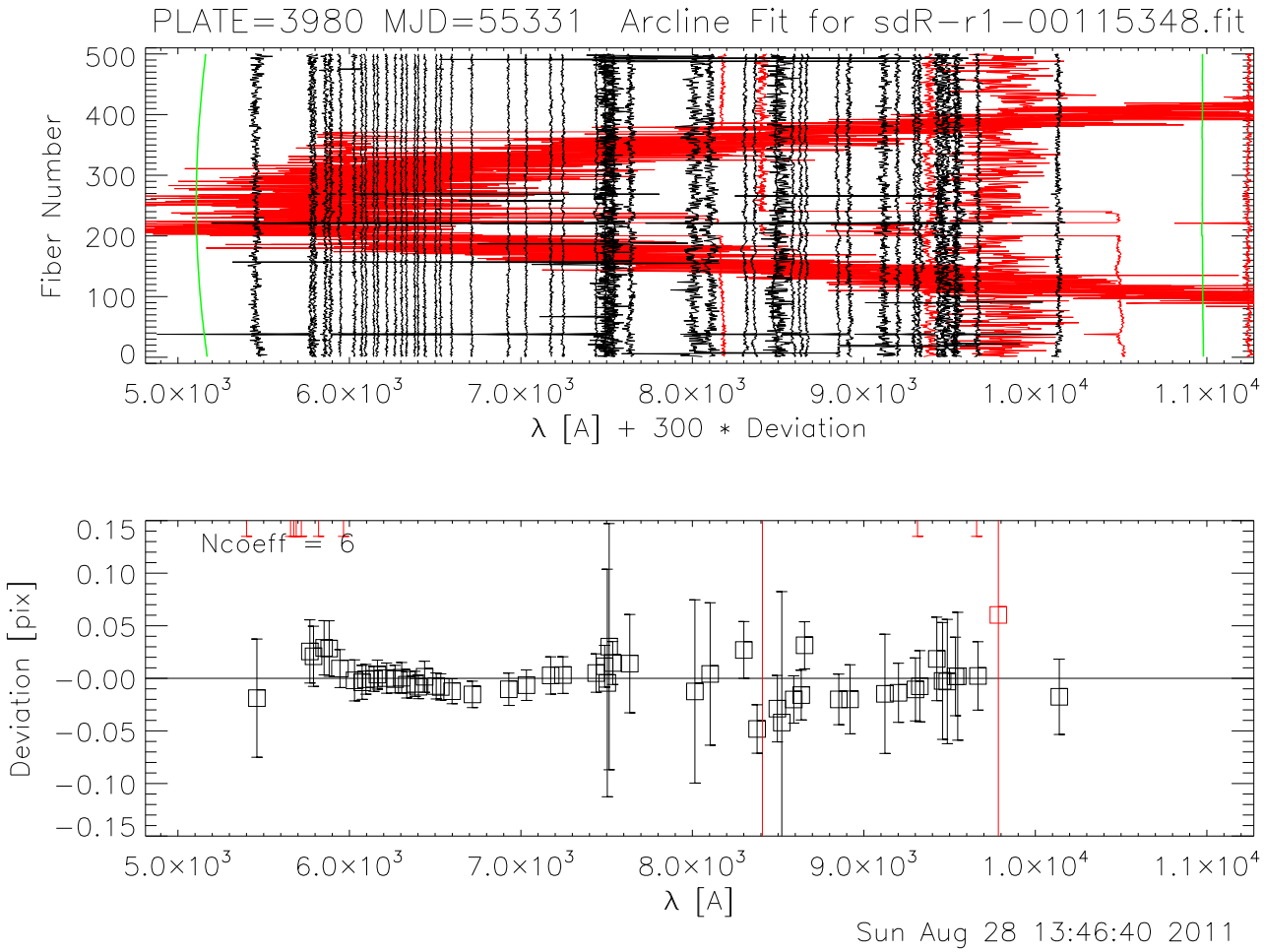

PLATE=3980 MJD=55331 Superflat sdR-r1-00115338.fit
RED = Superflat fit to central fiber
BLACK = 2.3 15.8 50.0 84.2 97.7 percentiles
Normalized flux
0.0
0.5
1.0
1.5
6000
7000
8000
9000
10000
λ [A]

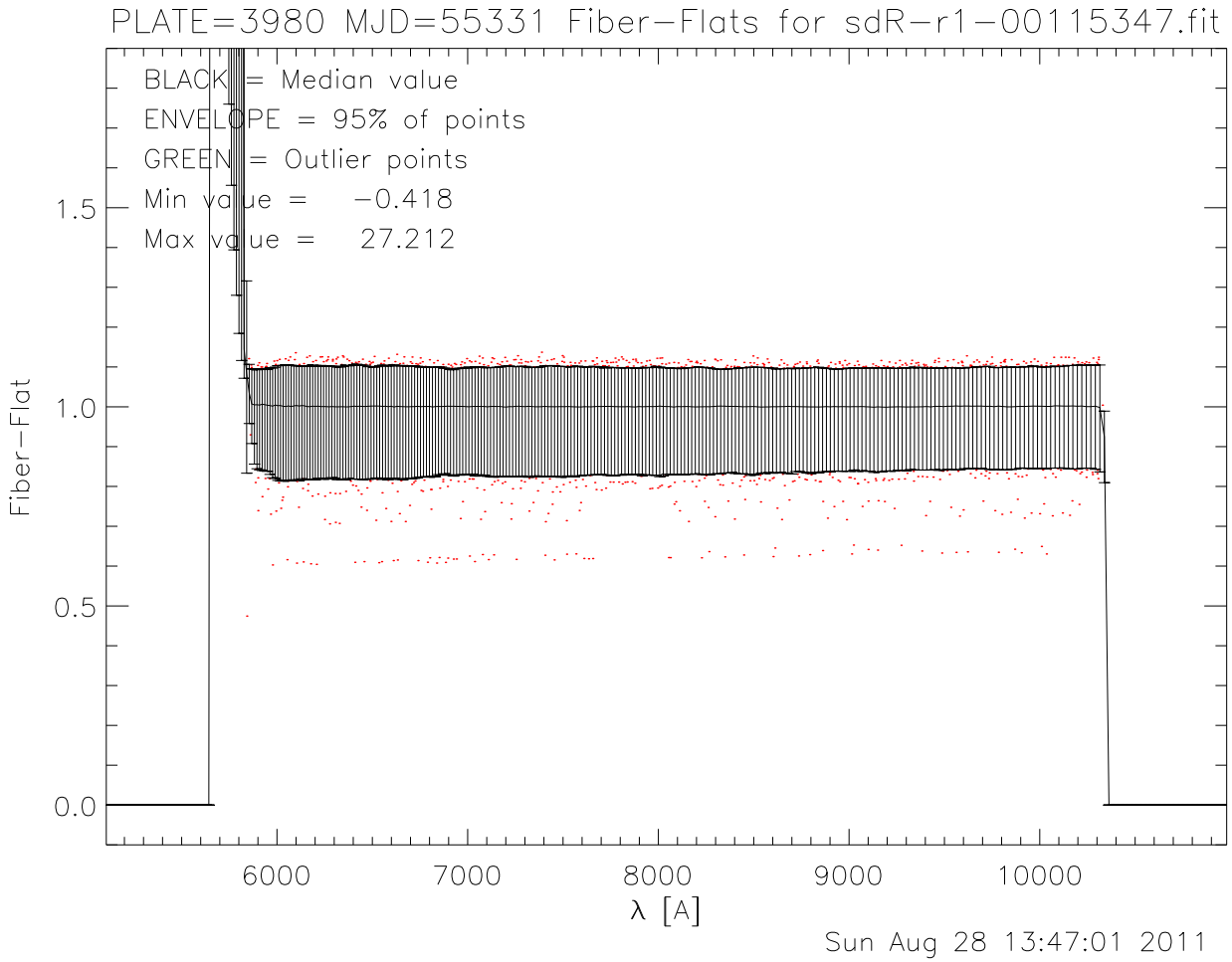

PLATE=3980 MJD=55331 flat extraction chi^2 for sdR−r1−00115342.fit
BLACK = Final chisq extraction
χ^2
0
10
20
30
40
0
1000
2000
3000
4000
Row number

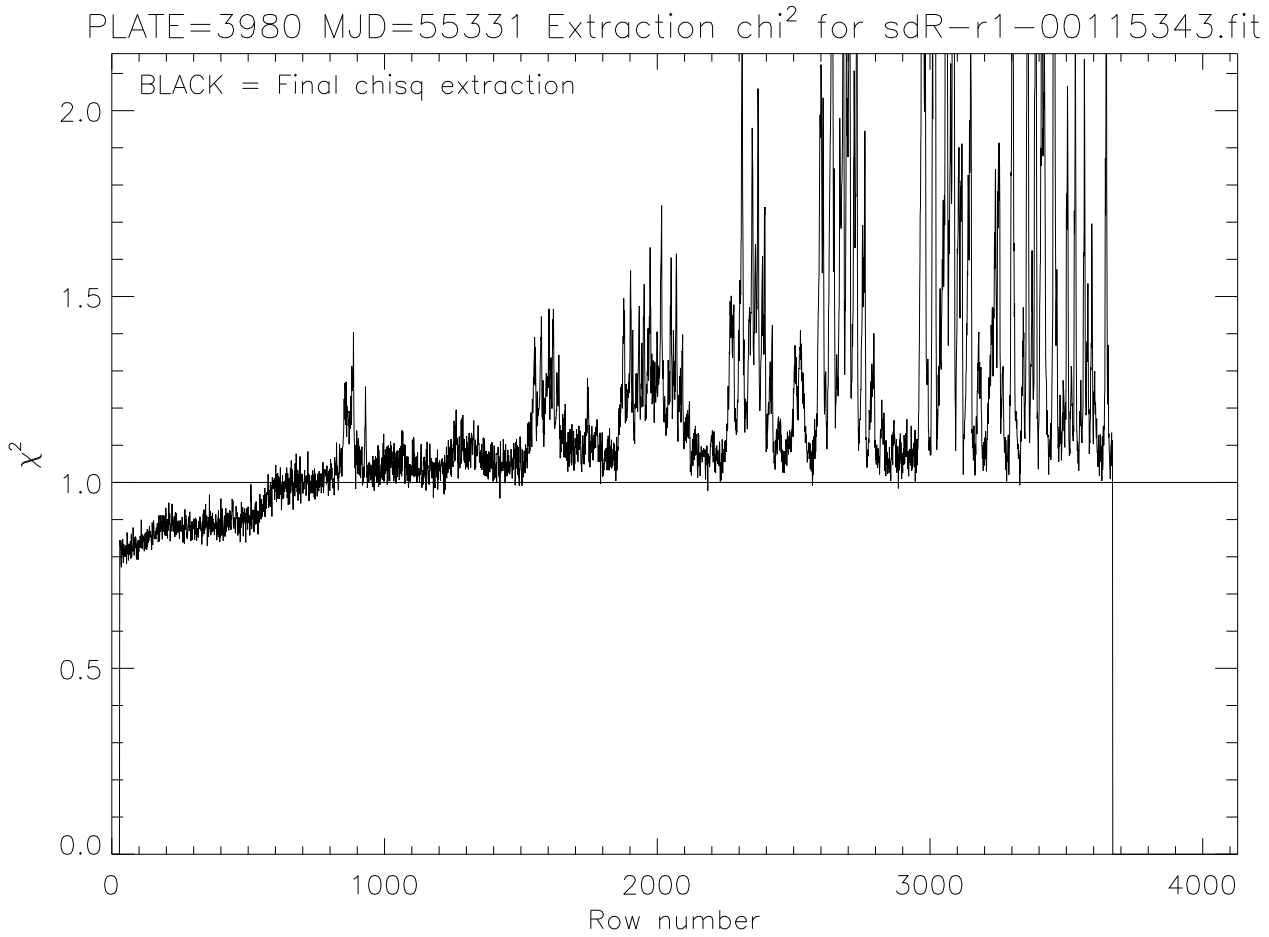

PLATE=3980 MJD=55331 Superflat sdR-r1-00115342.fit
RED = Superflat fit to central fiber
BLACK = 2.3 15.8 50.0 84.2 97.7 percentiles
Normalized flux
0.0
0.5
1.0
1.5
6000
7000
8000
9000
10000
λ [A]

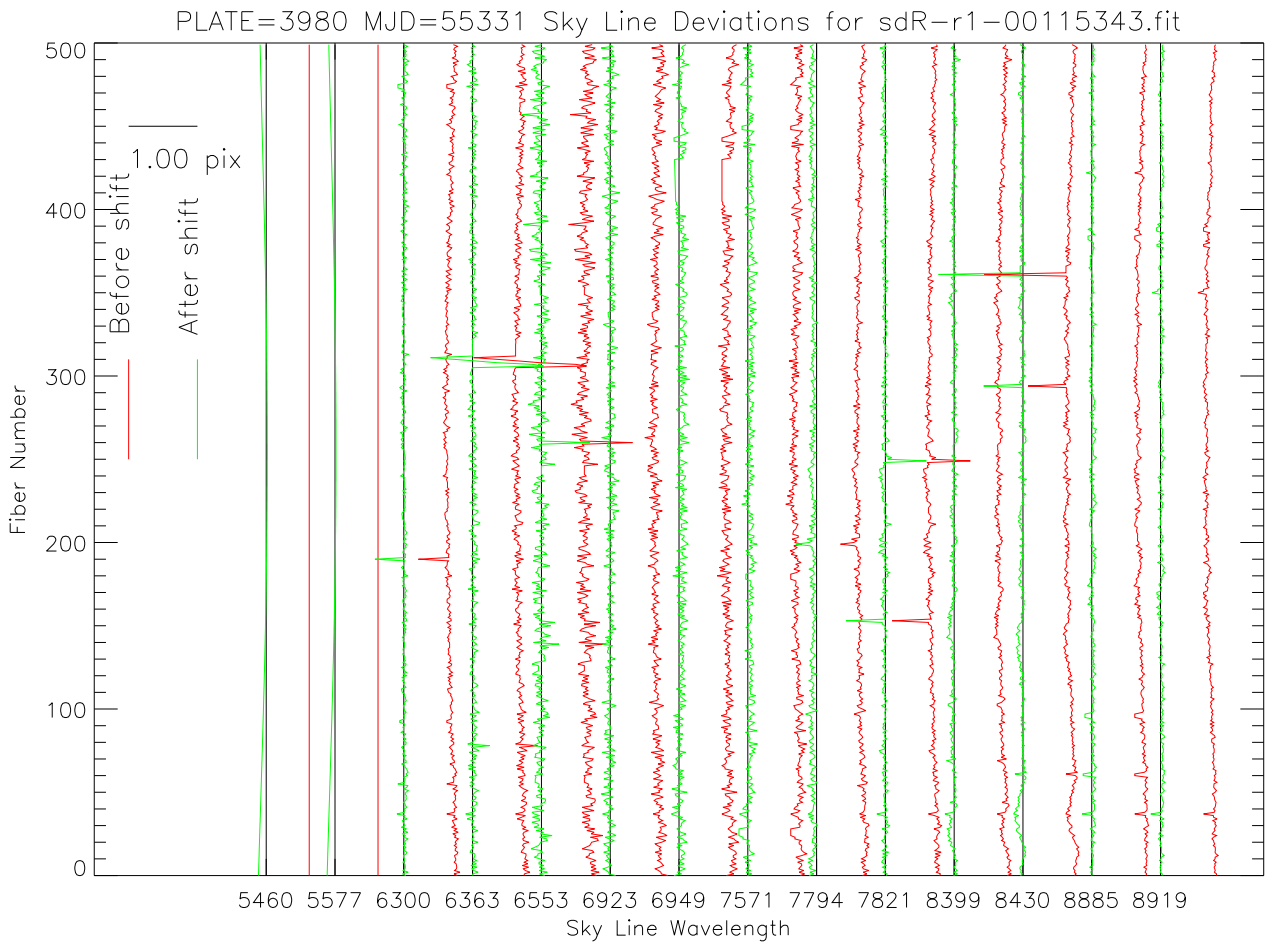

PLATE=3980 MJD=55331 flat extraction chi^2 for sdR−r1−00115347.fit
BLACK = Final chisq extraction
χ^2
0
10
20
30
40
0
1000
2000
3000
4000
Row number

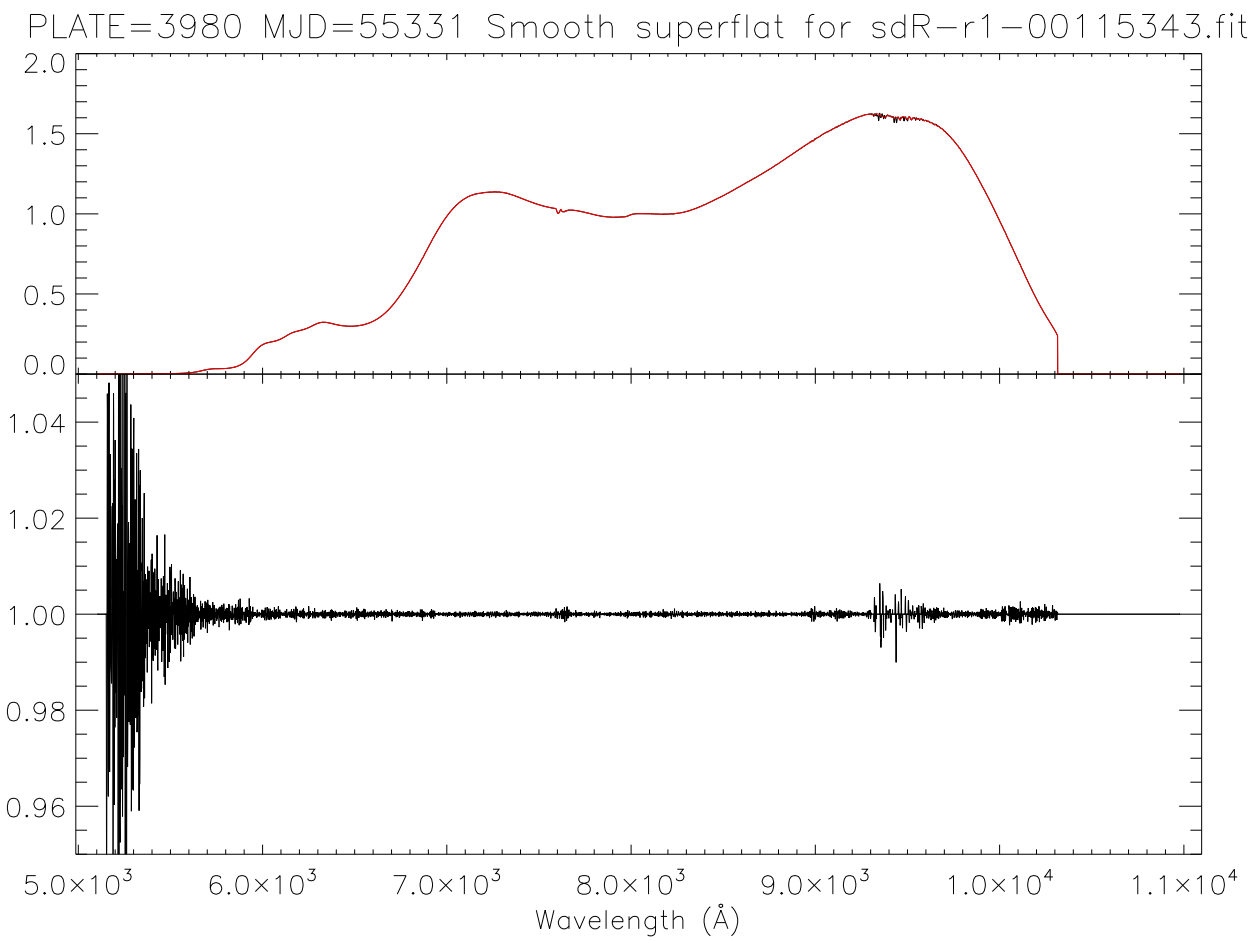

PLATE=3980 MJD=55331 Superflat sdR-r1-00115347.fit
RED = Superflat fit to central fiber
BLACK = 2.3 15.8 50.0 84.2 97.7 percentiles
Normalized flux
0.0
0.5
1.0
1.5
6000
7000
8000
9000
10000
λ [A]

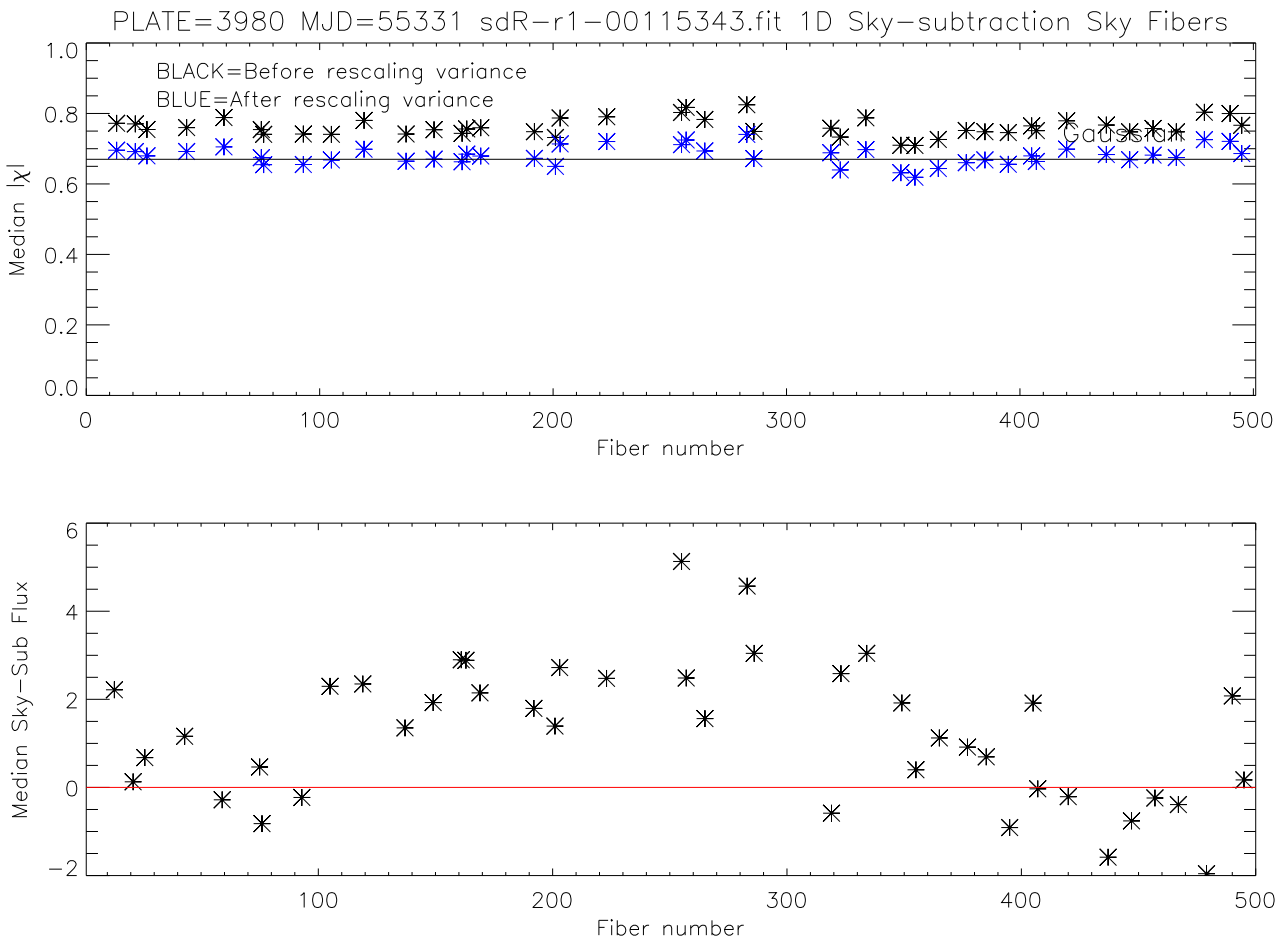

PLATE=3980 MJD=55331 Arcline Fit for sdR-r1-00115348.fit
Fiber Number
500
400
300
200
100
0
5.0×10^3
6.0×10^3
7.0×10^3
8.0×10^3
9.0×10^3
1.0×10^4
1.1×10^4
λ [A] + 300 * Deviation
Ncoeff = 6
Deviation [pix]
0.15
0.10
0.05
−0.00
−0.05
−0.10
−0.15
λ [A]
Sun Aug 28 13:46:40 2011

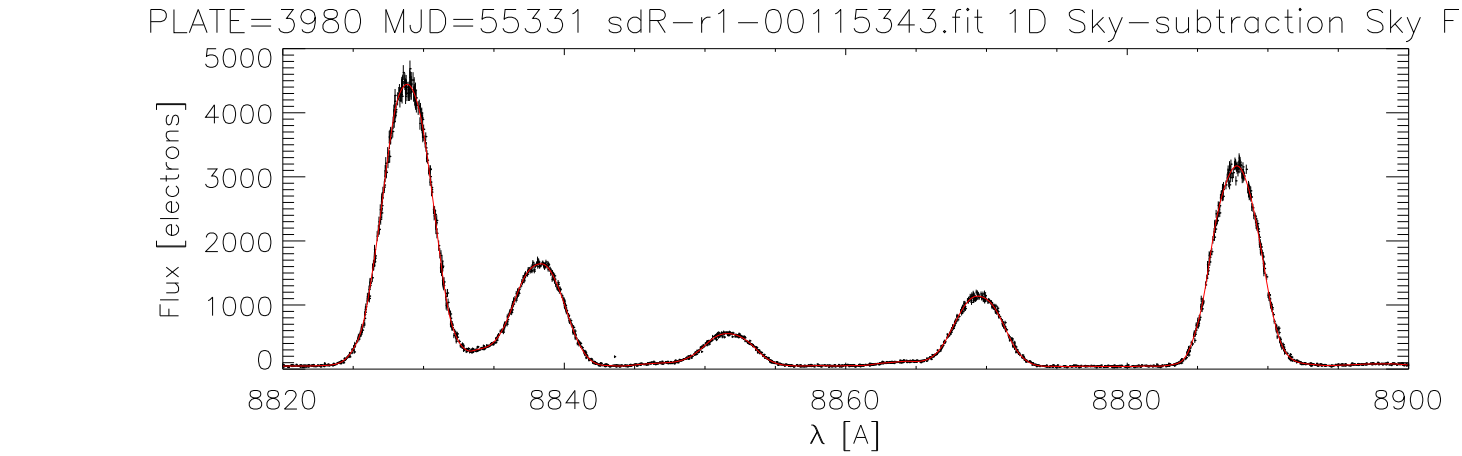

PLATE=3980 MJD=55331 Fiber−Flats for sdR−r1−00115347.fit
BLACK = Median value
ENVELOPE = 95% of points
GREEN = Outlier points
Min value = −0.418
Max value = 27.212
Fiber−Flat
1.5
1.0
0.5
0.0
6000
7000
8000
9000
10000
λ [A]
Sun Aug 28 13:47:01 2011

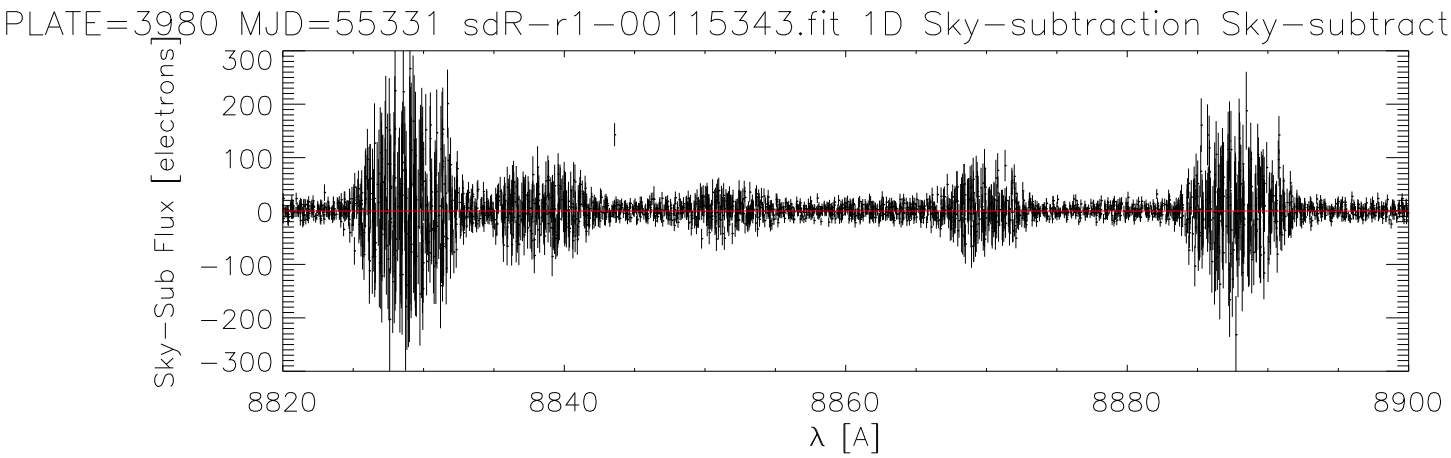

PLATE=3980 MJD=55331 Extraction chi^2 for sdR−r1−00115343.fit
BLACK = Final chisq extraction
χ^2
2.0
1.5
1.0
0.5
0.0
0
1000
2000
3000
4000
Row number


PLATE=3980 MJD=55331 Sky Line Deviations for sdR-r1-00115343.fit
Before shift
After shift
1.00 pix
Fiber Number
0
100
200
300
400
500
5460 5577 6300 6363 6553 6923 6949 7571 7794 7821 8399 8430 8885 8919
Sky Line Wavelength

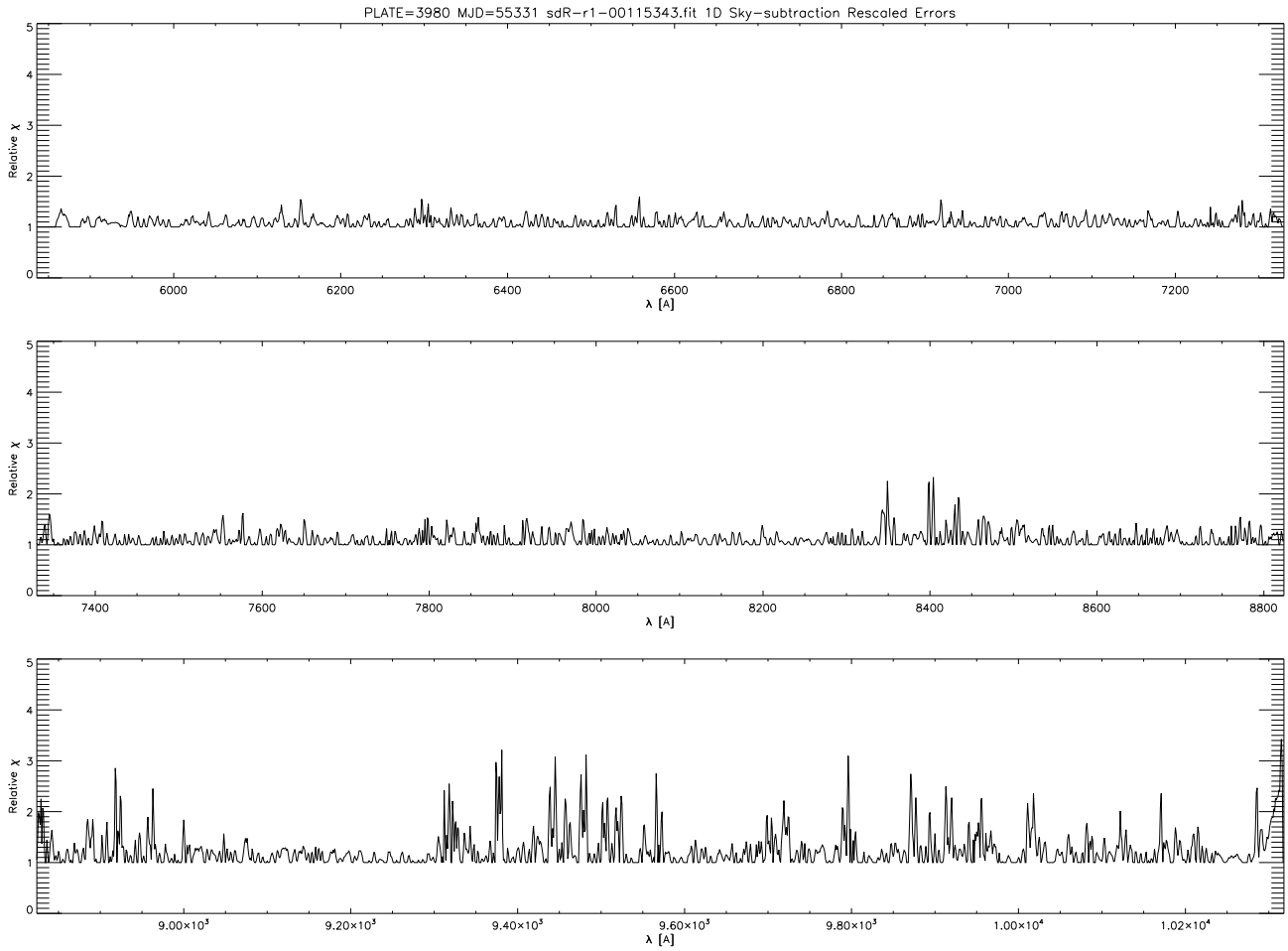

PLATE=3980 MJD=55331 Smooth superflat for sdR-r1-00115343.fit
2.0
1.5
1.0
0.5
0.0
1.04
1.02
1.00
0.98
0.96
5.0×10^3
6.0×10^3
7.0×10^3
8.0×10^3
9.0×10^3
1.0×10^4
1.1×10^4
Wavelength (Å)

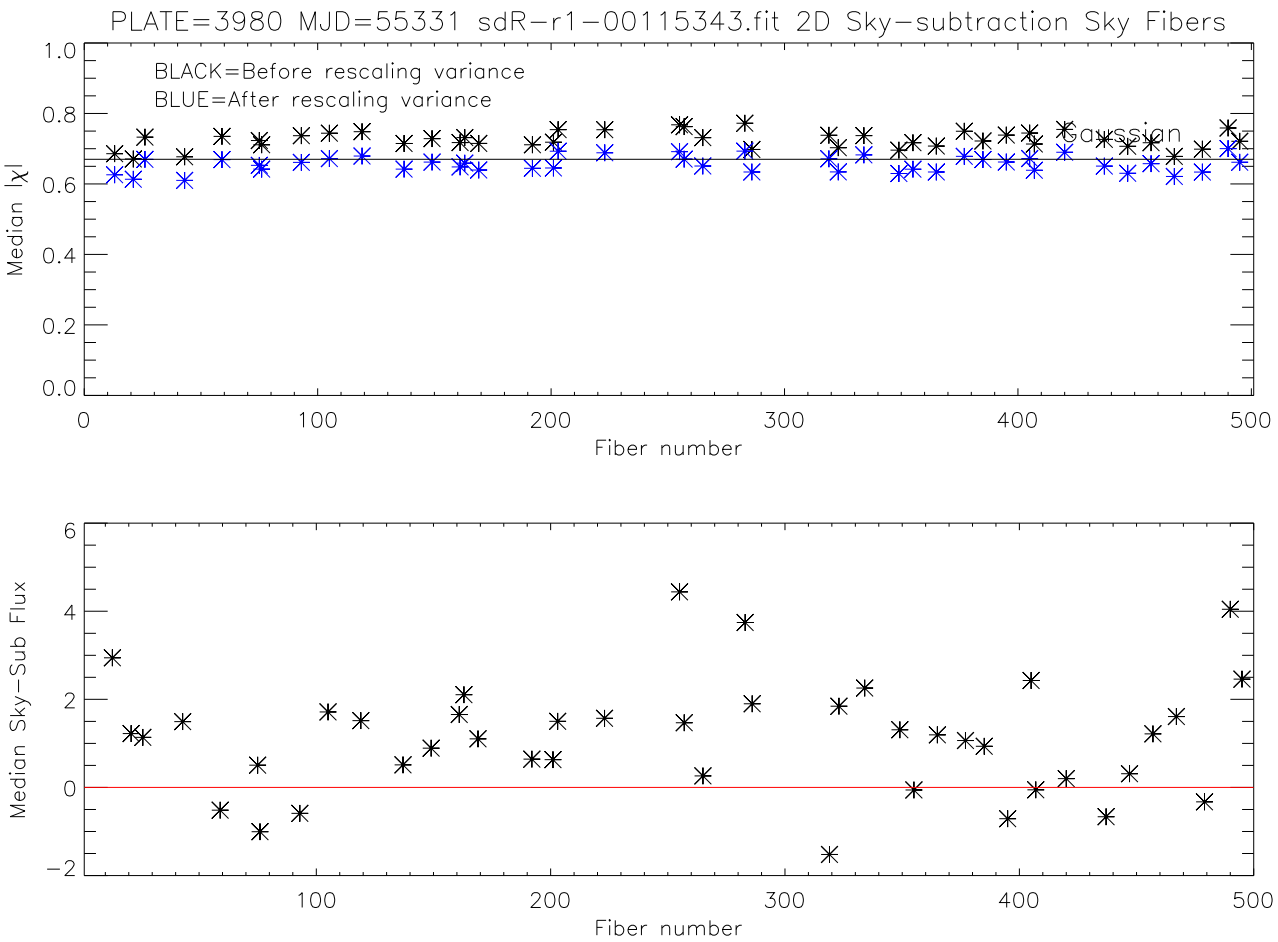

PLATE=3980 MJD=55331 sdR-r1-00115343.fit 1D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

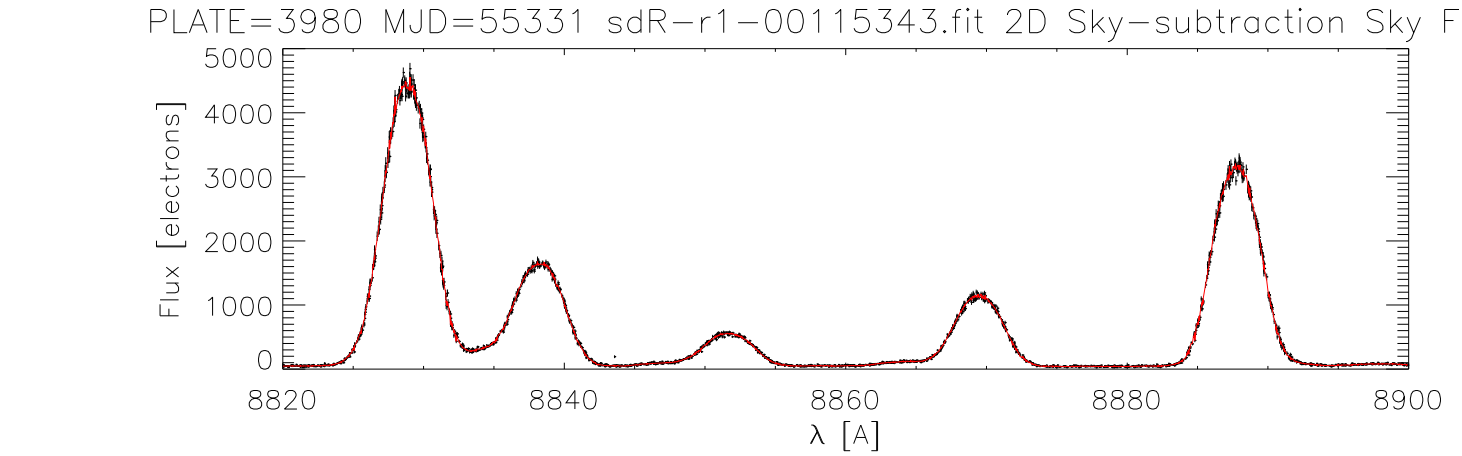

PLATE=3980 MJD=55331 sdR-r1-00115343.fit 1D Sky-subtraction Sky Fibers
Flux [electrons]
5000
4000
3000
2000
1000
0
8820
8840
8860
8880
8900
λ [A]

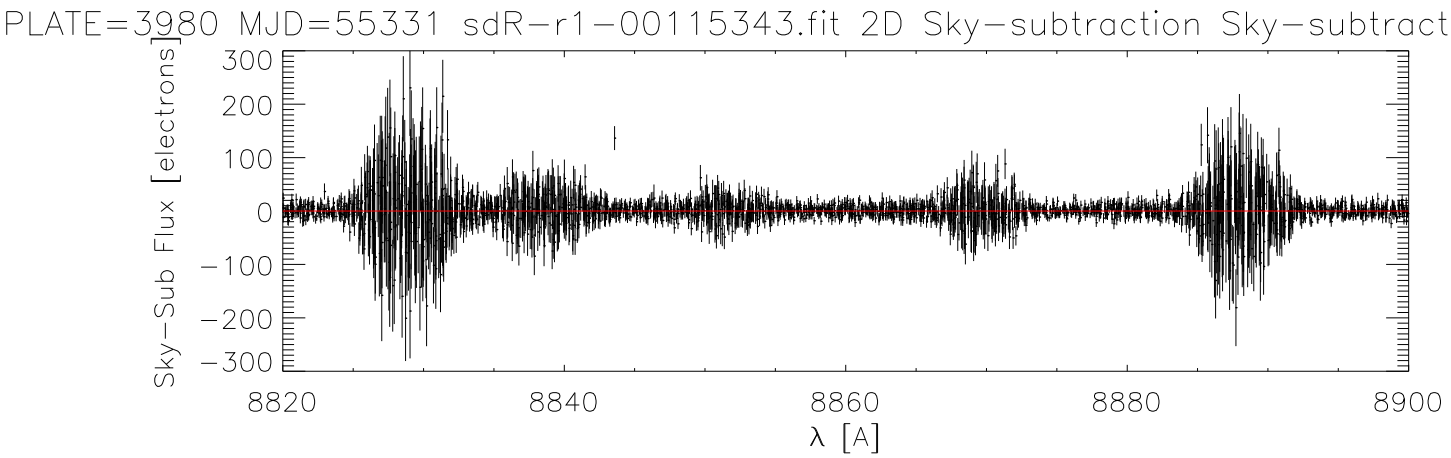

PLATE=3980 MJD=55331 sdR-r1-00115343.fit 1D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
300
200
100
0
-100
-200
-300
8820
8840
8860
8880
8900
λ [A]

Number of sky fibers = 43

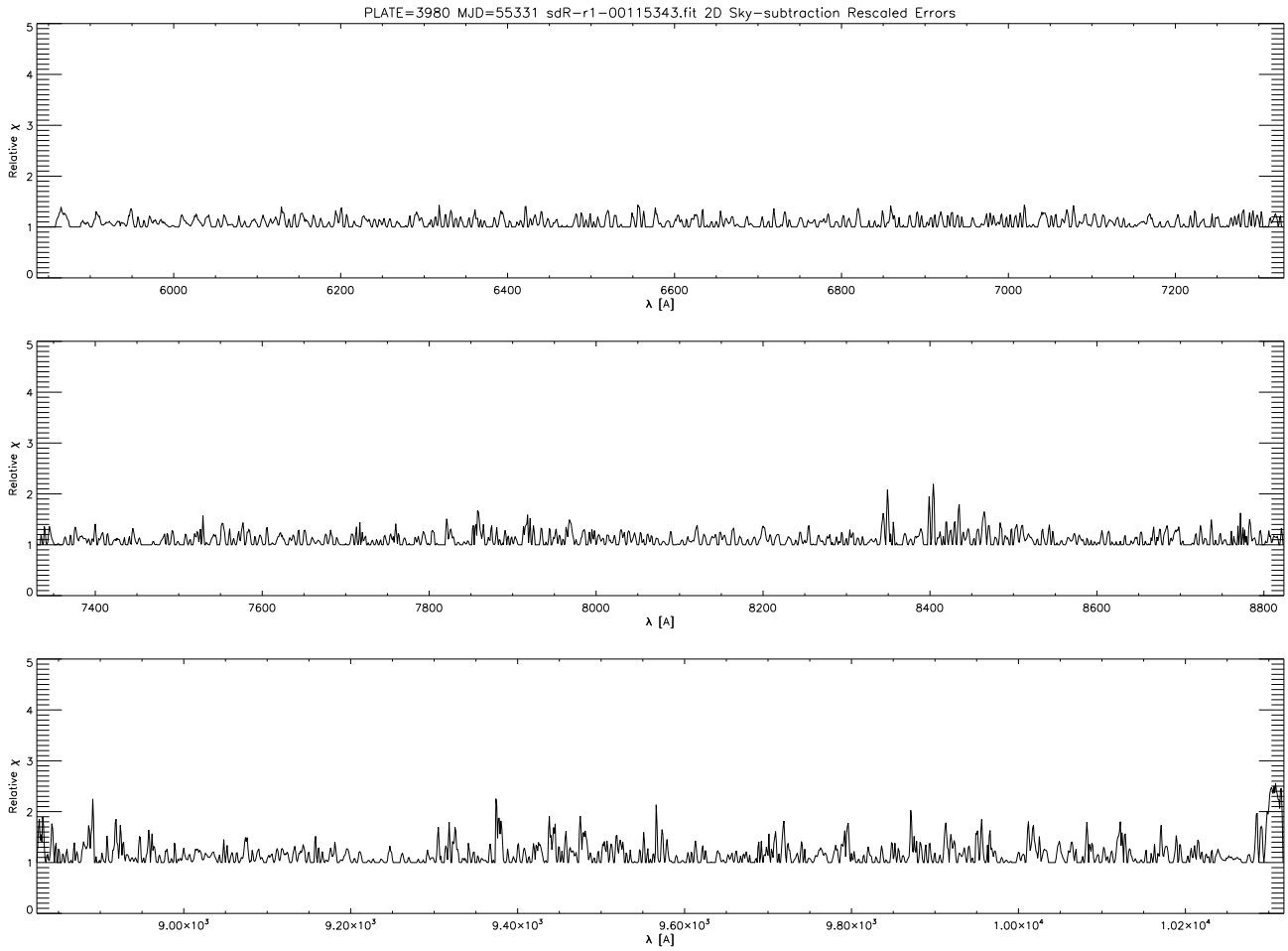


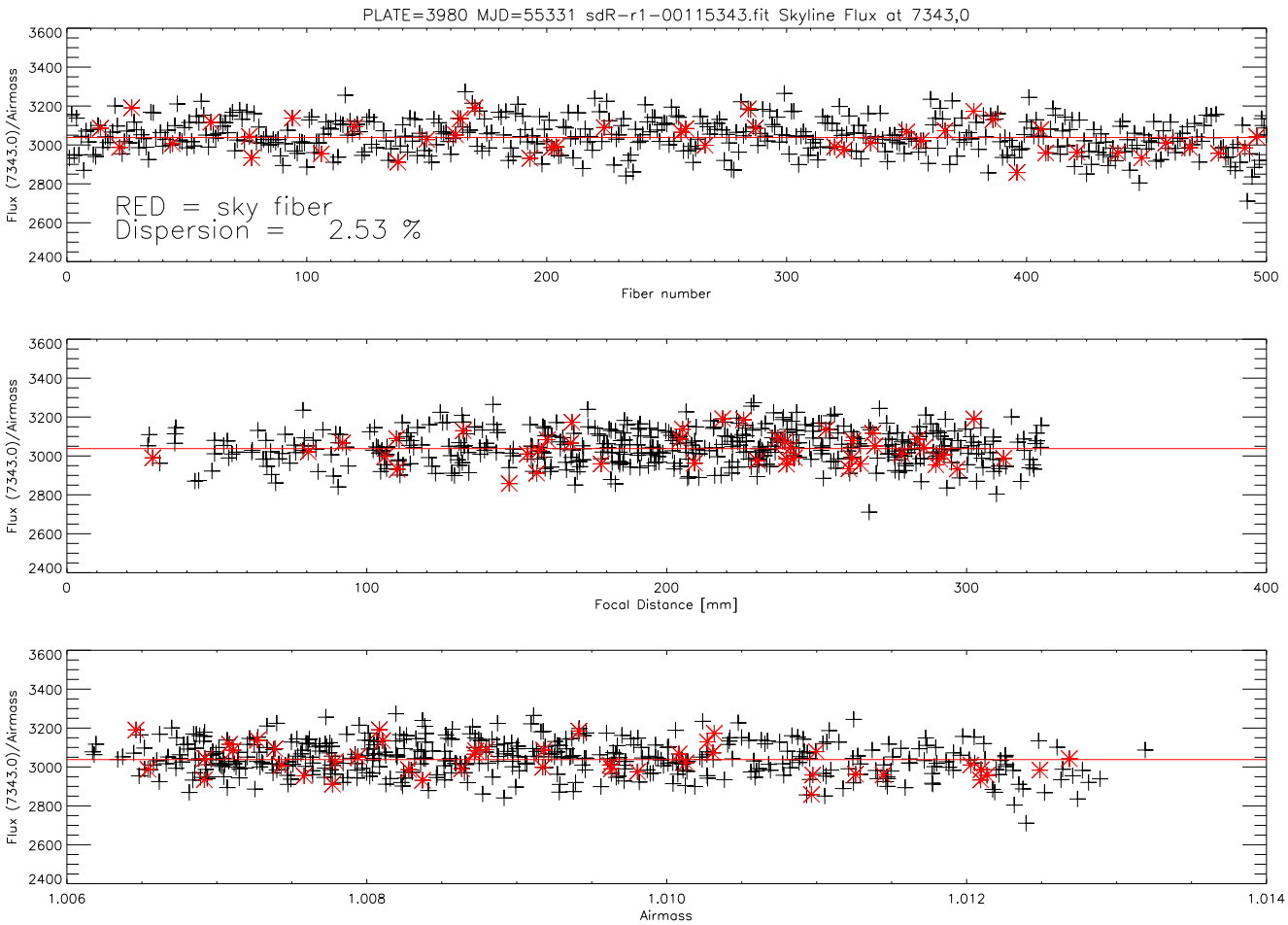

PLATE=3980 MJD=55331 sdR-r1-00115343.fit 2D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

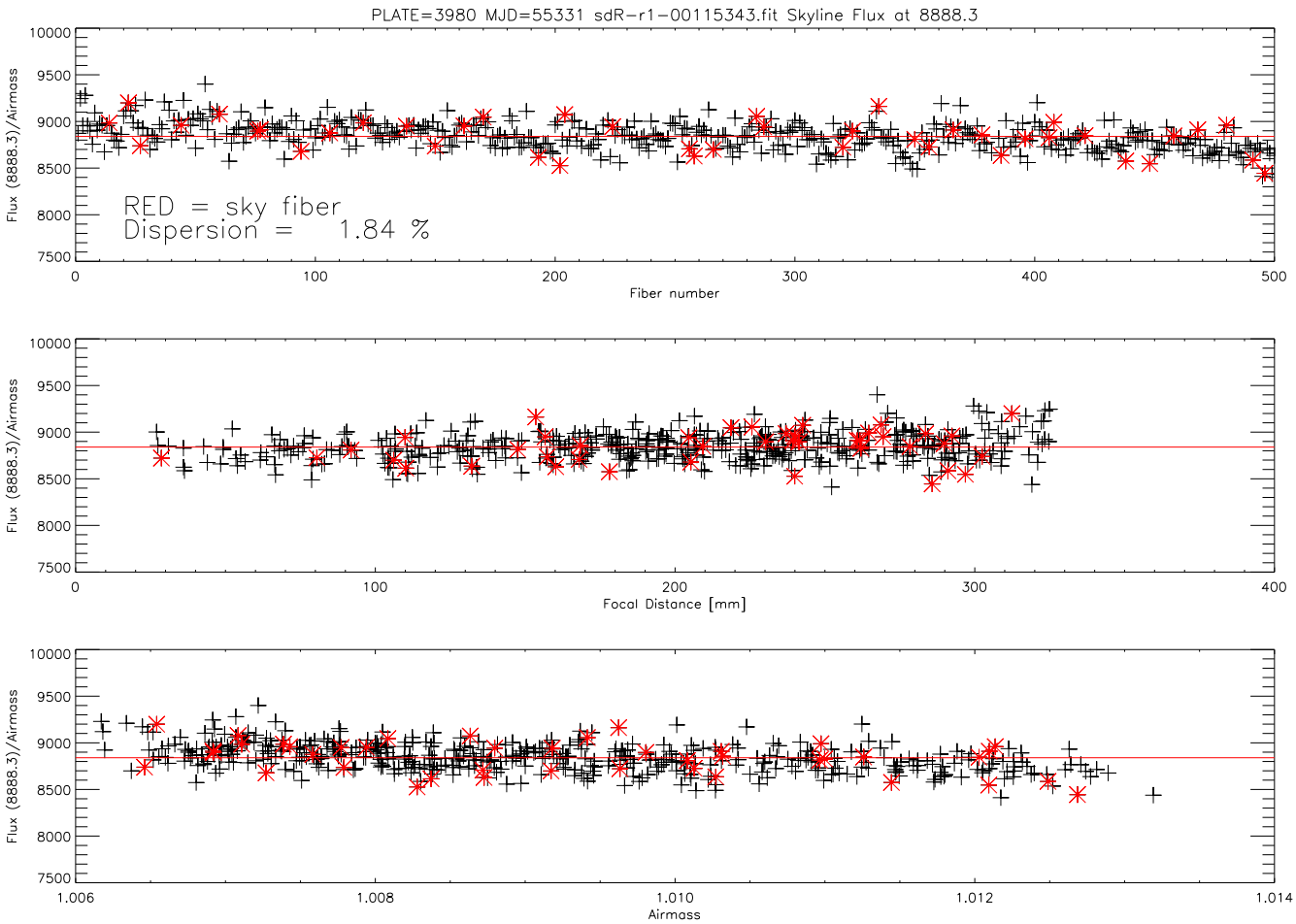

PLATE=3980 MJD=55331 sdR-r1-00115343.fit 2D Sky-subtraction Sky Fibers
Flux [electrons]
5000
4000
3000
2000
1000
0
8820
8840
8860
8880
8900
λ [A]

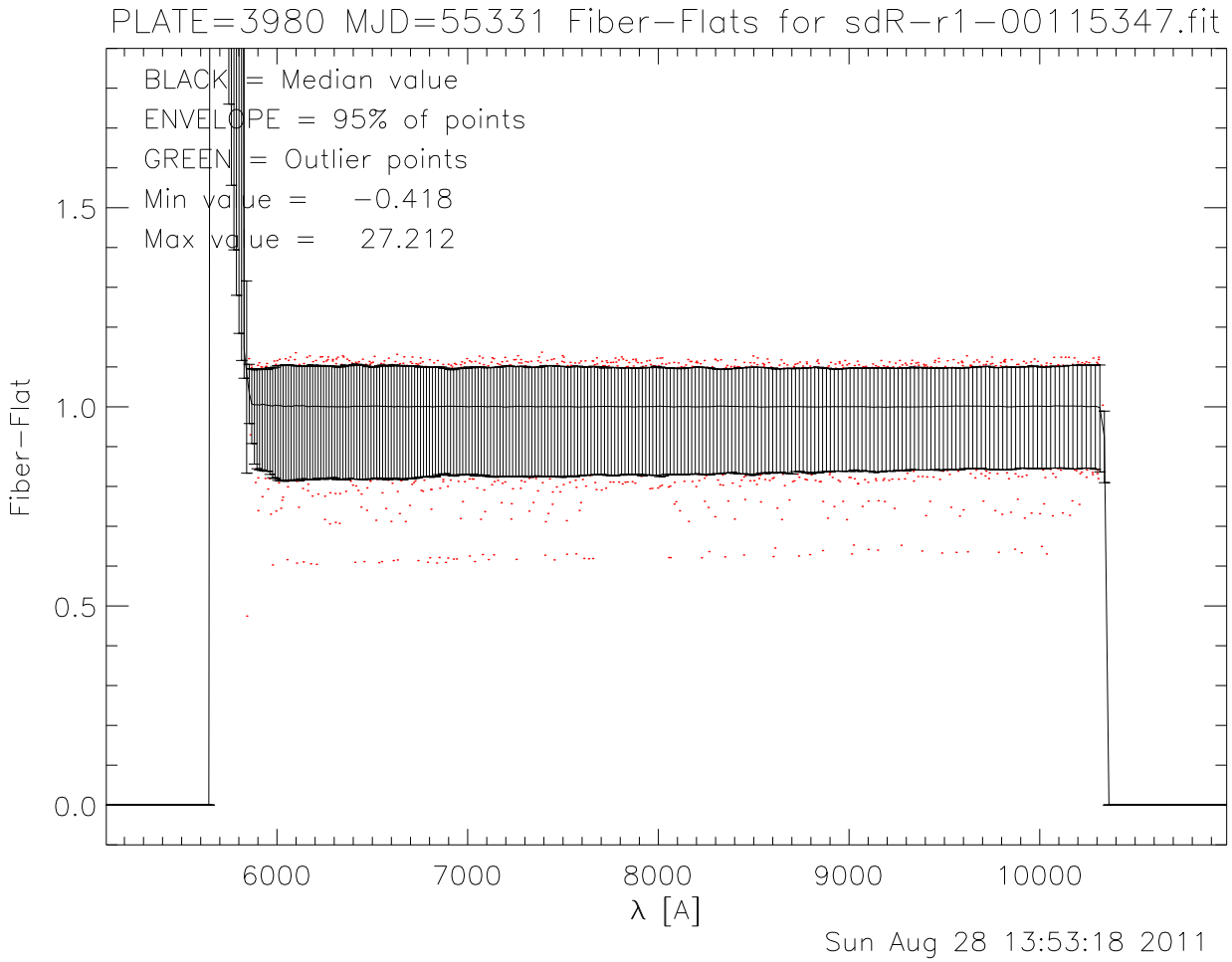

PLATE=3980 MJD=55331 sdR-r1-00115343.fit 2D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
300
200
100
0
-100
-200
-300
8820
8840
8860
8880
8900
λ [A]

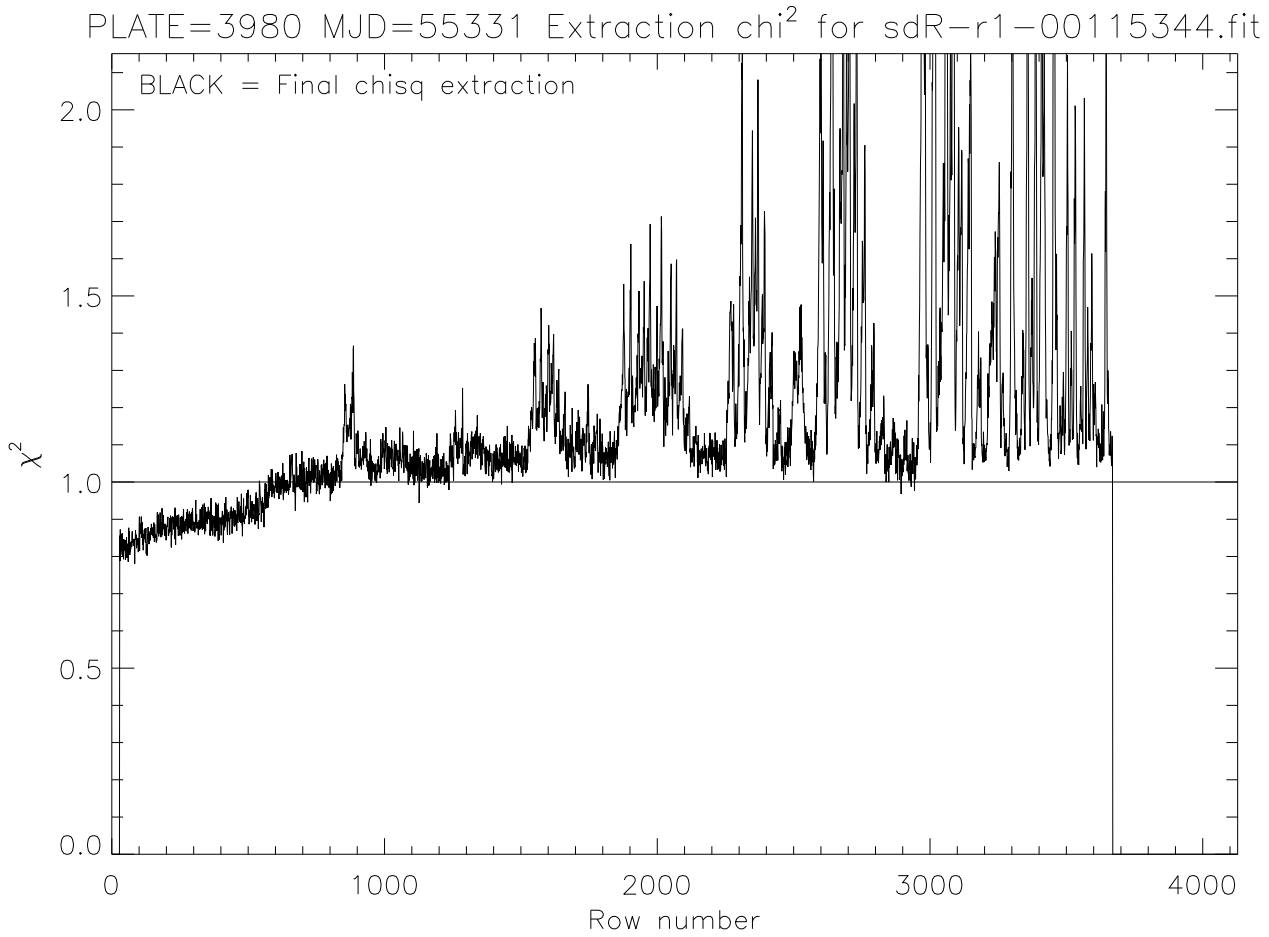
Number of sky fibers = 43

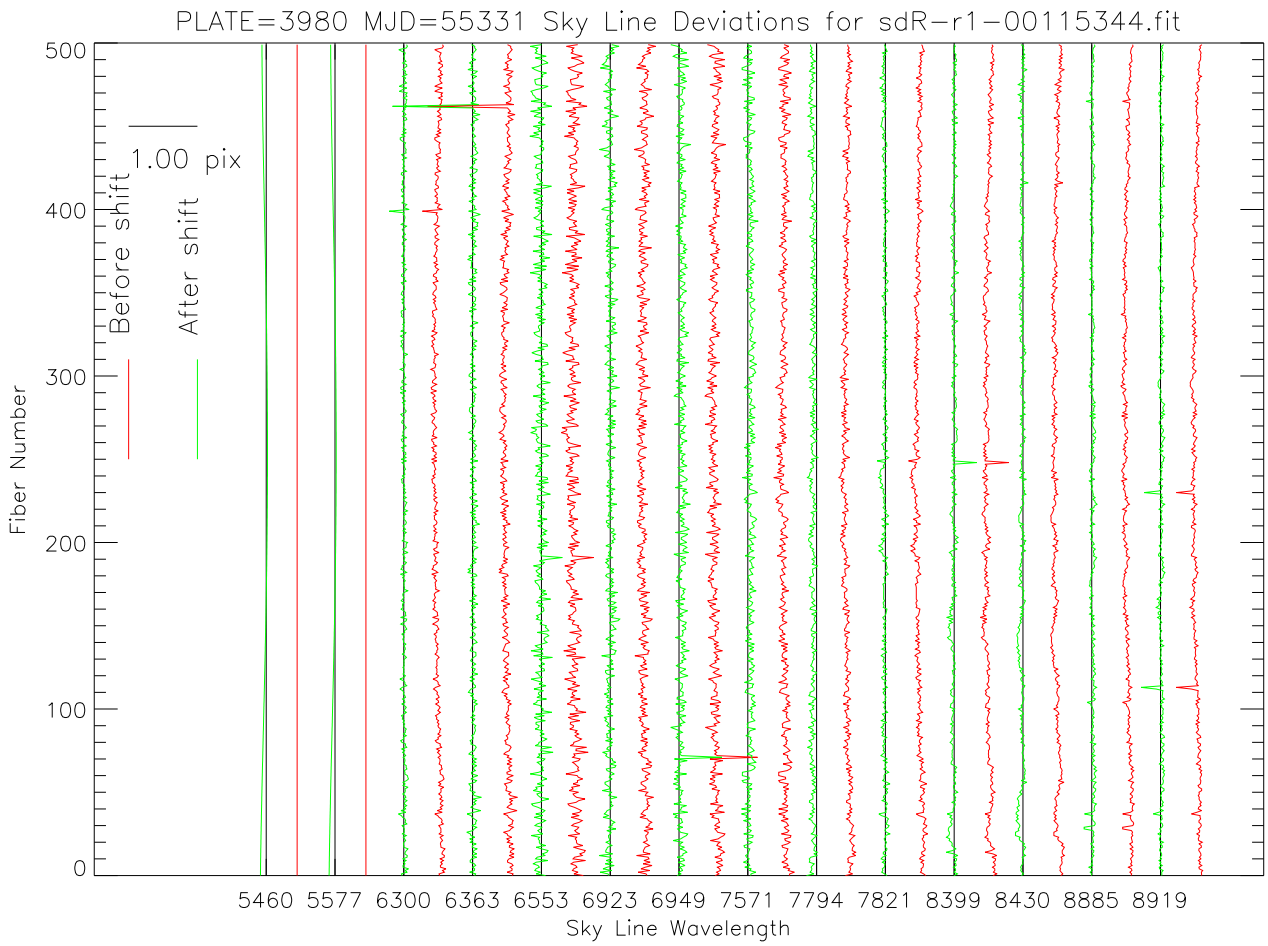


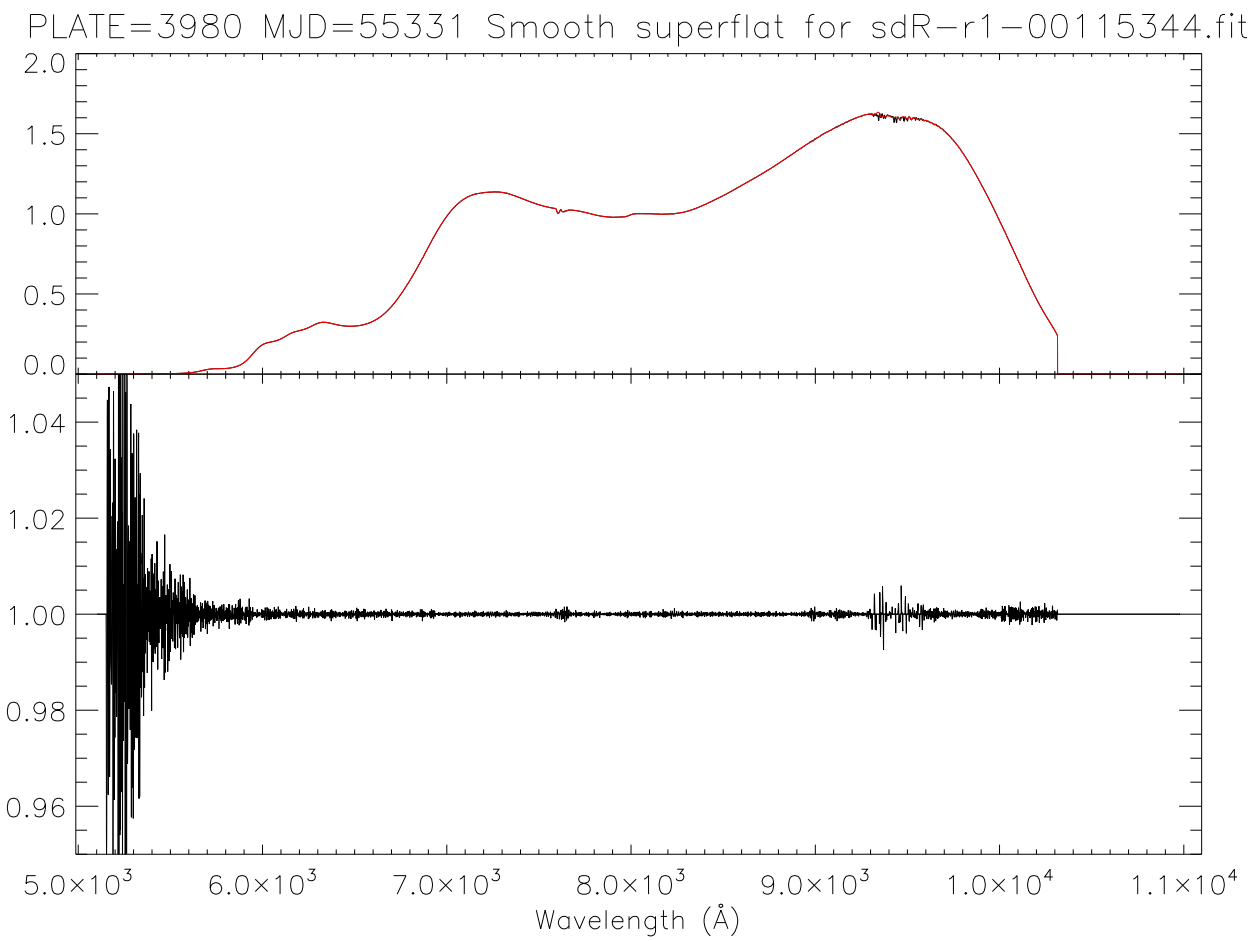

PLATE=3980 MJD=55331 sdR-r1-00115343.fit Skyline Flux at 7343,0
Flux (7343.0)/Airmass
RED = sky fiber
Dispersion = 2.53 %
Fiber number
Flux (7343.0)/Airmass
Focal Distance [mm]
Flux (7343.0)/Airmass
Airmass

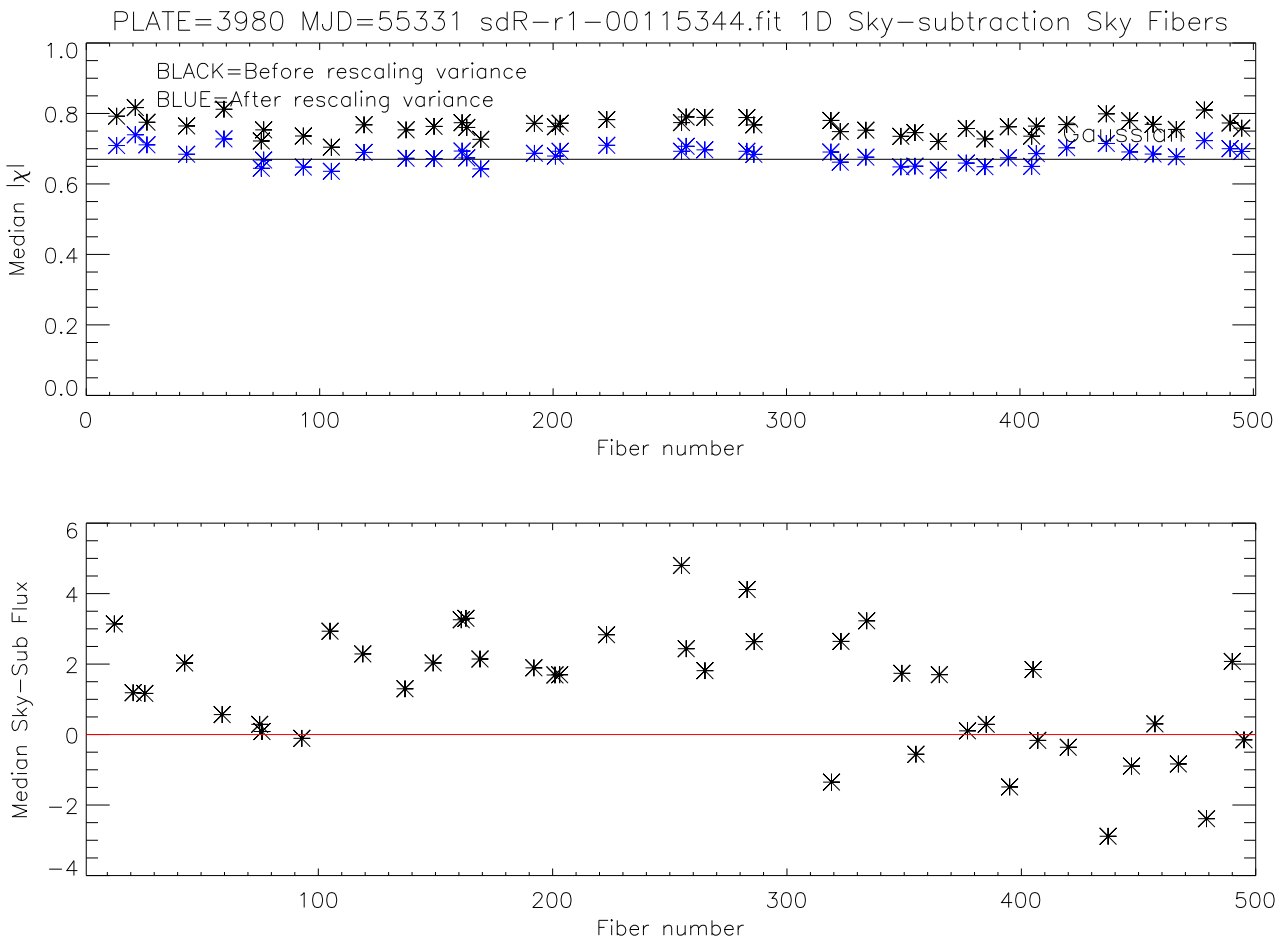

PLATE=3980 MJD=55331 sdR-r1-00115343.fit Skyline Flux at 8888.3
Flux (8888.3)/Airmass
RED = sky fiber
Dispersion = 1.84 %
Fiber number
Flux (8888.3)/Airmass
Focal Distance [mm]
Flux (8888.3)/Airmass
Airmass

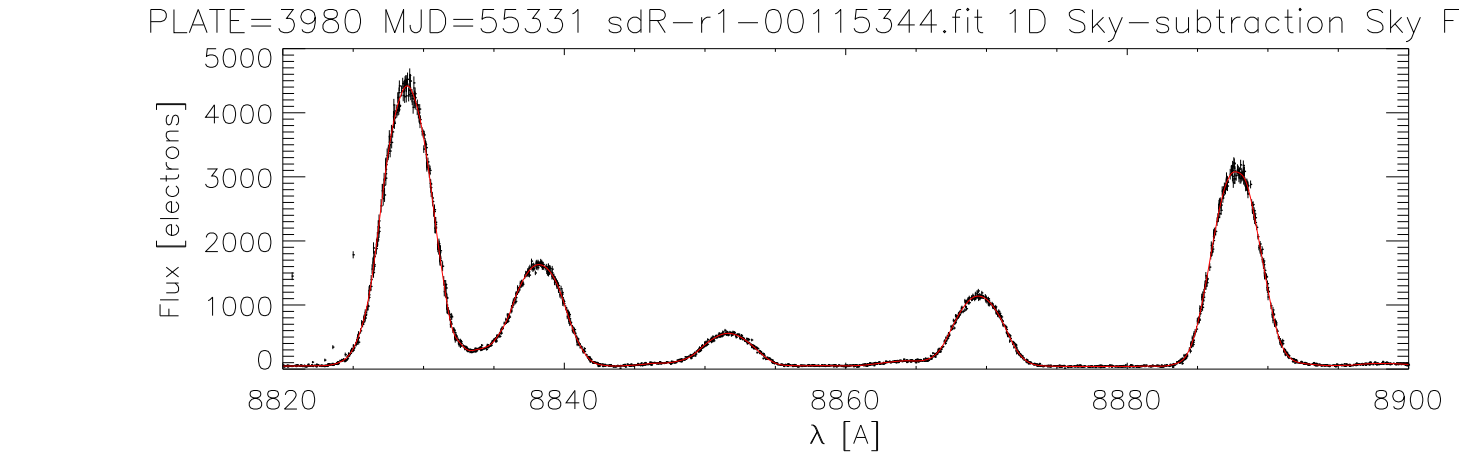

PLATE=3980 MJD=55331 Fiber−Flats for sdR−r1−00115347.fit
BLACK = Median value
ENVELOPE = 95% of points
GREEN = Outlier points
Min value = −0.418
Max value = 27.212
Fiber−Flat
1.5
1.0
0.5
0.0
6000
7000
8000
9000
10000
λ [A]
Sun Aug 28 13:53:18 2011

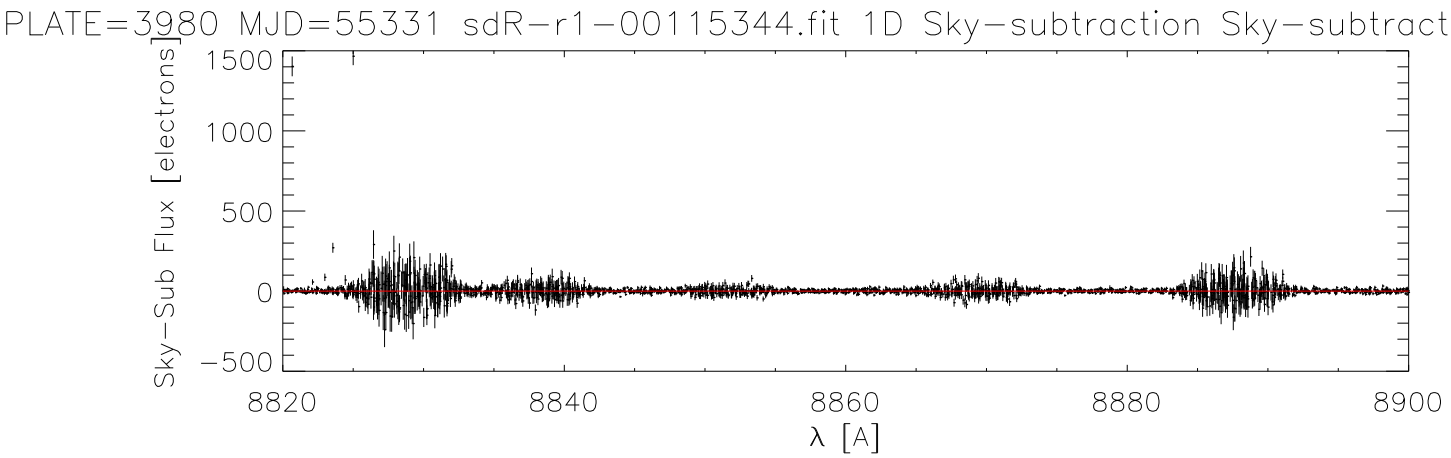

PLATE=3980 MJD=55331 Extraction chi^2 for sdR−r1−00115344.fit
BLACK = Final chisq extraction
χ^2
0.0
0.5
1.0
1.5
2.0
0
1000
2000
3000
4000
Row number


PLATE=3980 MJD=55331 Sky Line Deviations for sdR-r1-00115344.fit
Before shift
After shift
1.00 pix
Fiber Number
0
100
200
300
400
500
5460 5577 6300 6363 6553 6923 6949 7571 7794 7821 8399 8430 8885 8919
Sky Line Wavelength

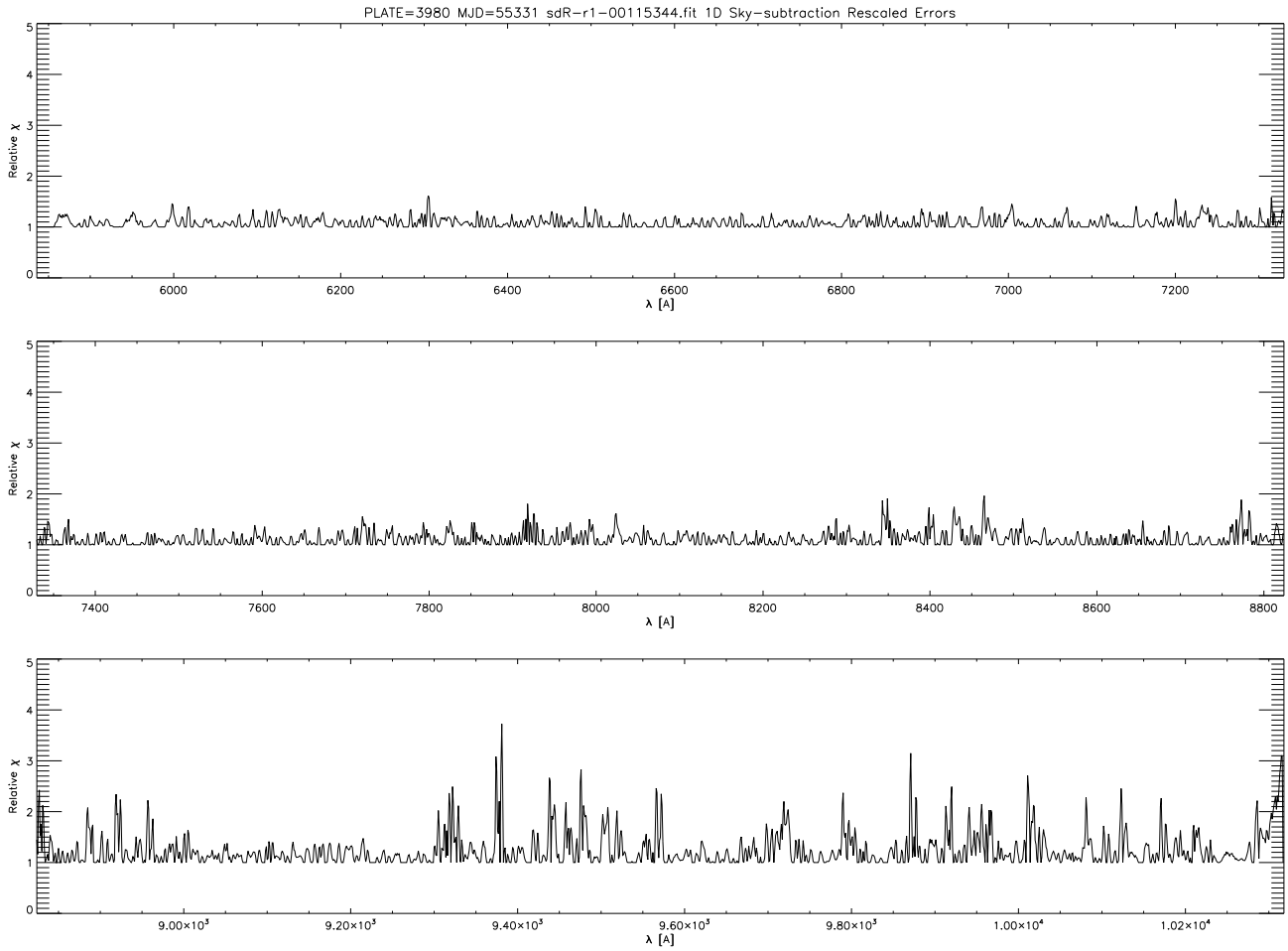

PLATE=3980 MJD=55331 Smooth superflat for sdR-r1-00115344.fit
2.0
1.5
1.0
0.5
0.0
1.04
1.02
1.00
0.98
0.96
5.0×10^3
6.0×10^3
7.0×10^3
8.0×10^3
9.0×10^3
1.0×10^4
1.1×10^4
Wavelength (Å)

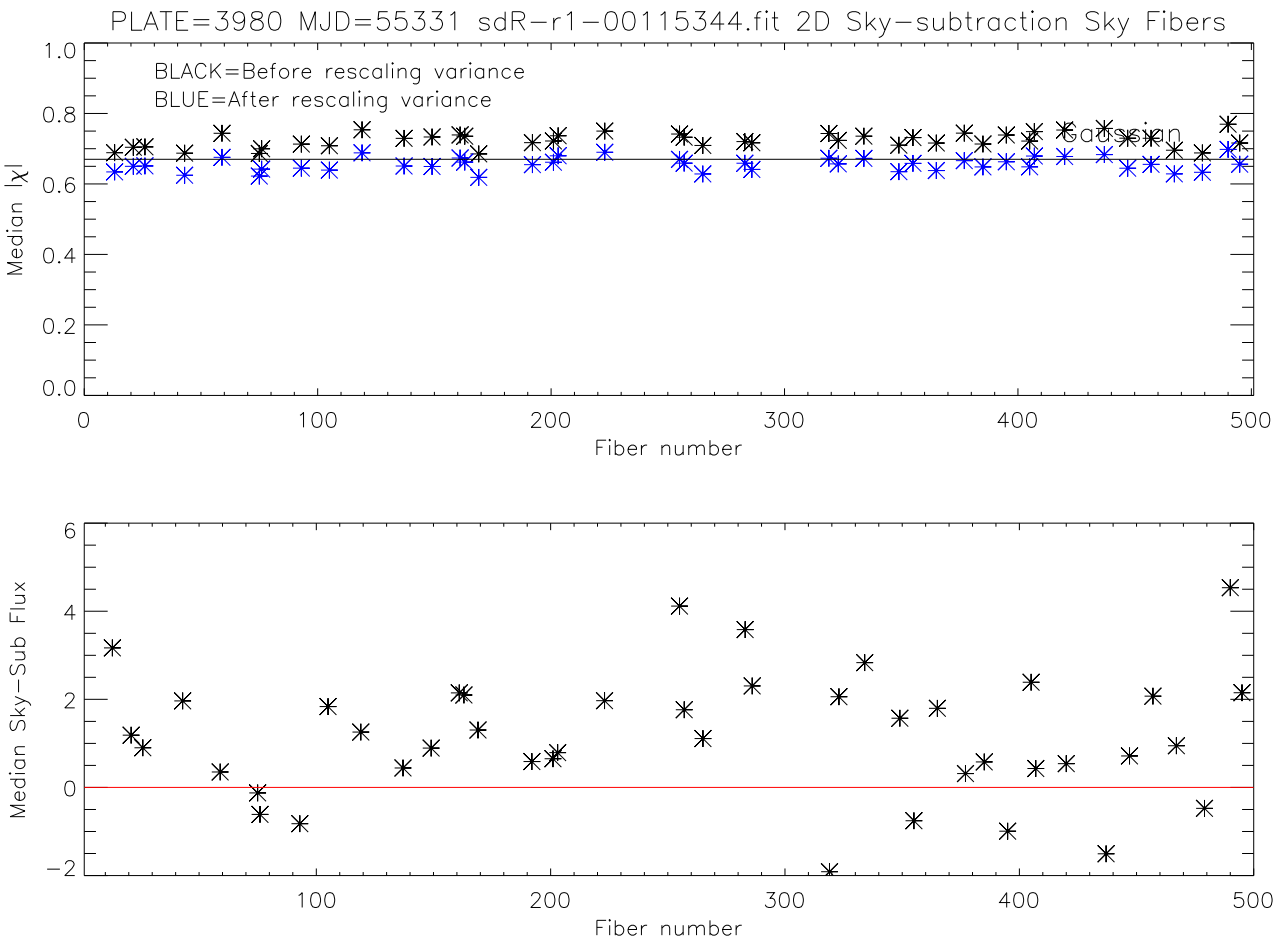

PLATE=3980 MJD=55331 sdR-r1-00115344.fit 1D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

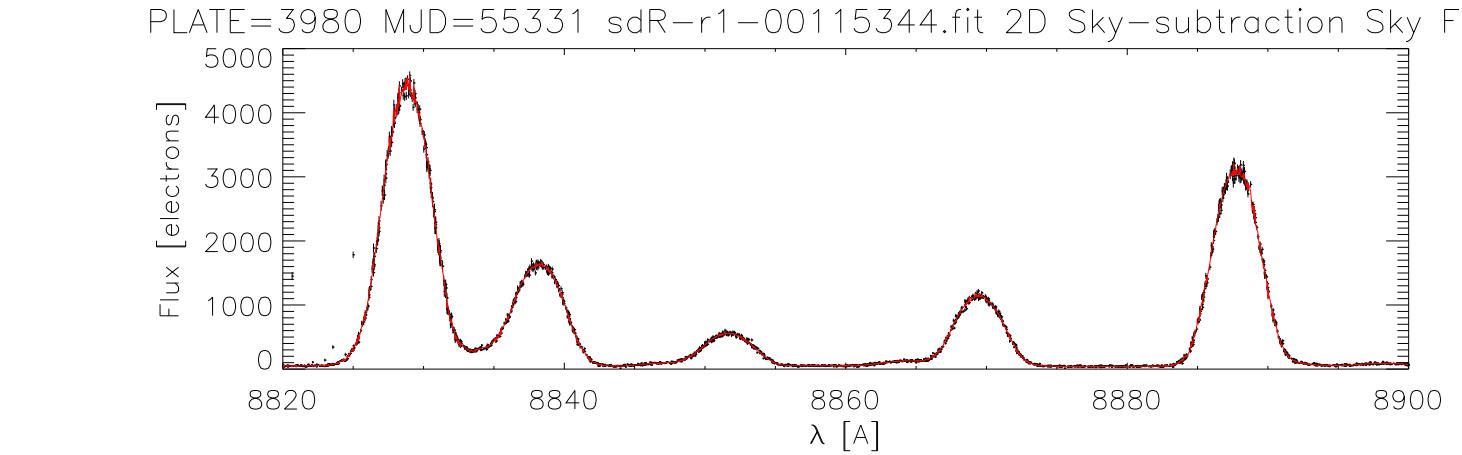

PLATE=3980 MJD=55331 sdR-r1-00115344.fit 1D Sky-subtraction Sky Fibers
Flux [electrons]
5000
4000
3000
2000
1000
0
8820
8840
8860
8880
8900
λ [A]

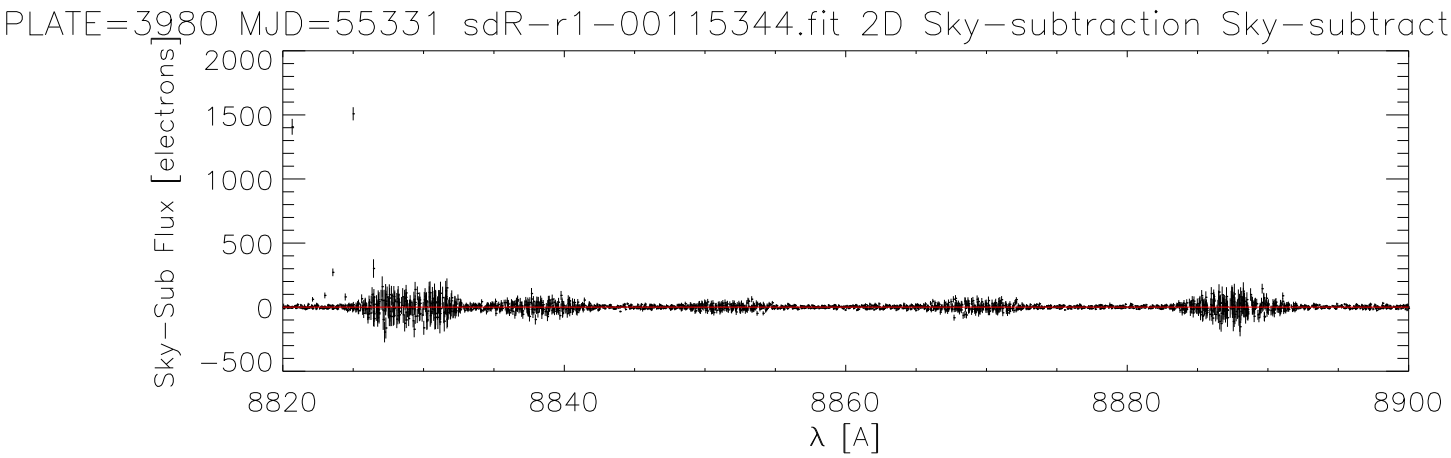

PLATE=3980 MJD=55331 sdR-r1-00115344.fit 1D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
1500
1000
500
0
-500
8820
8840
8860
8880
8900
λ [A]

Number of sky fibers = 43

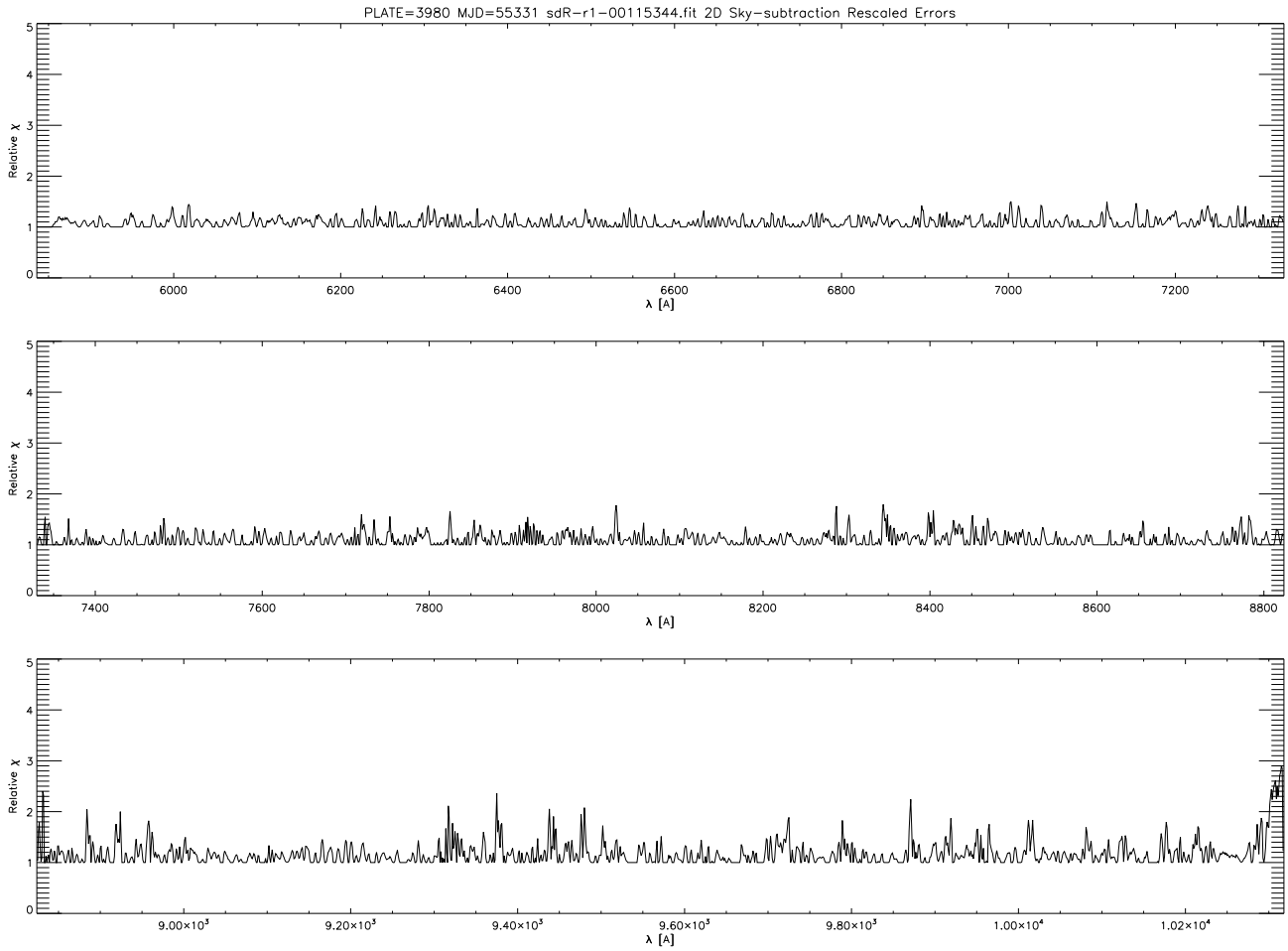


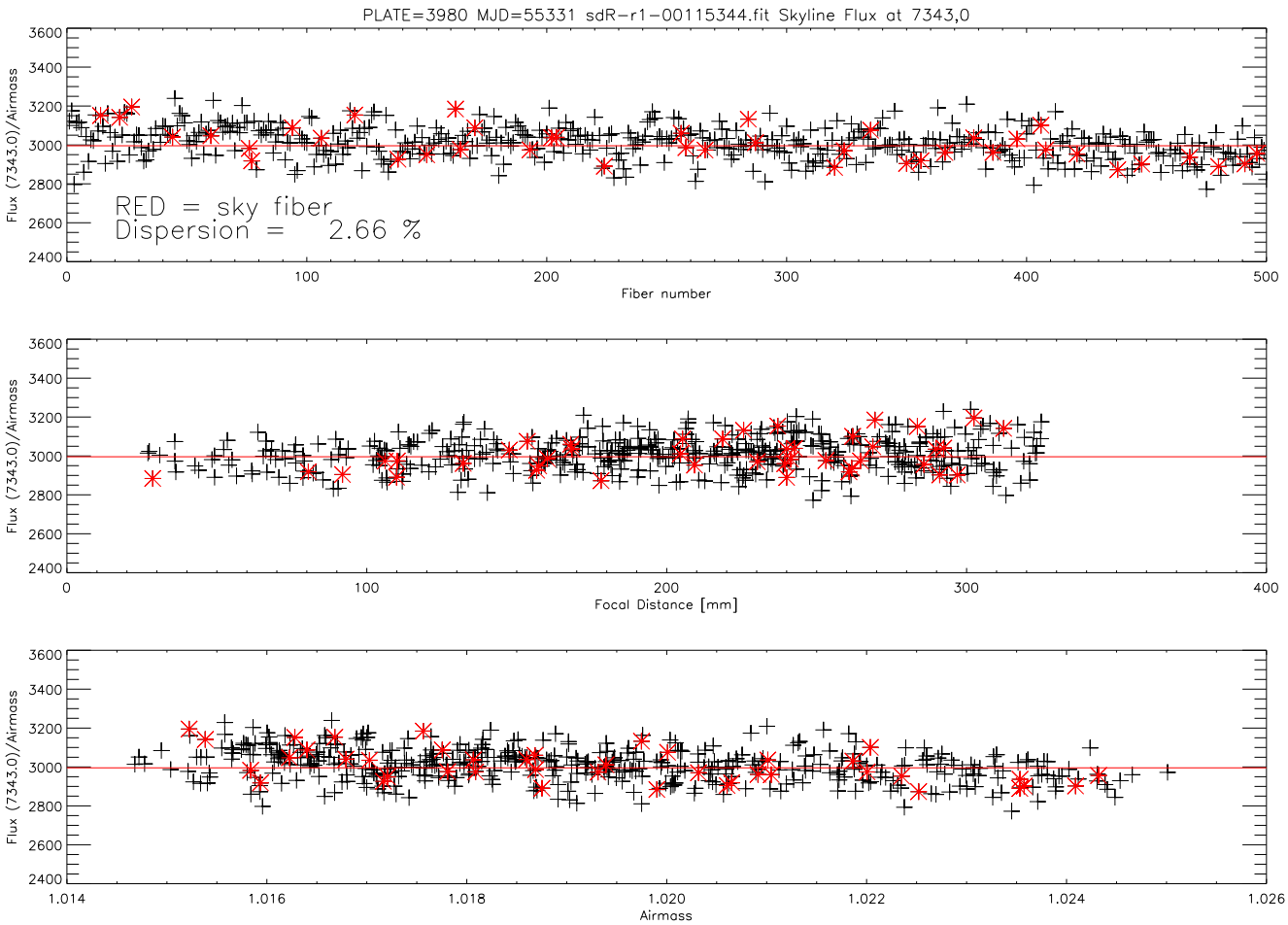

PLATE=3980 MJD=55331 sdR-r1-00115344.fit 2D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

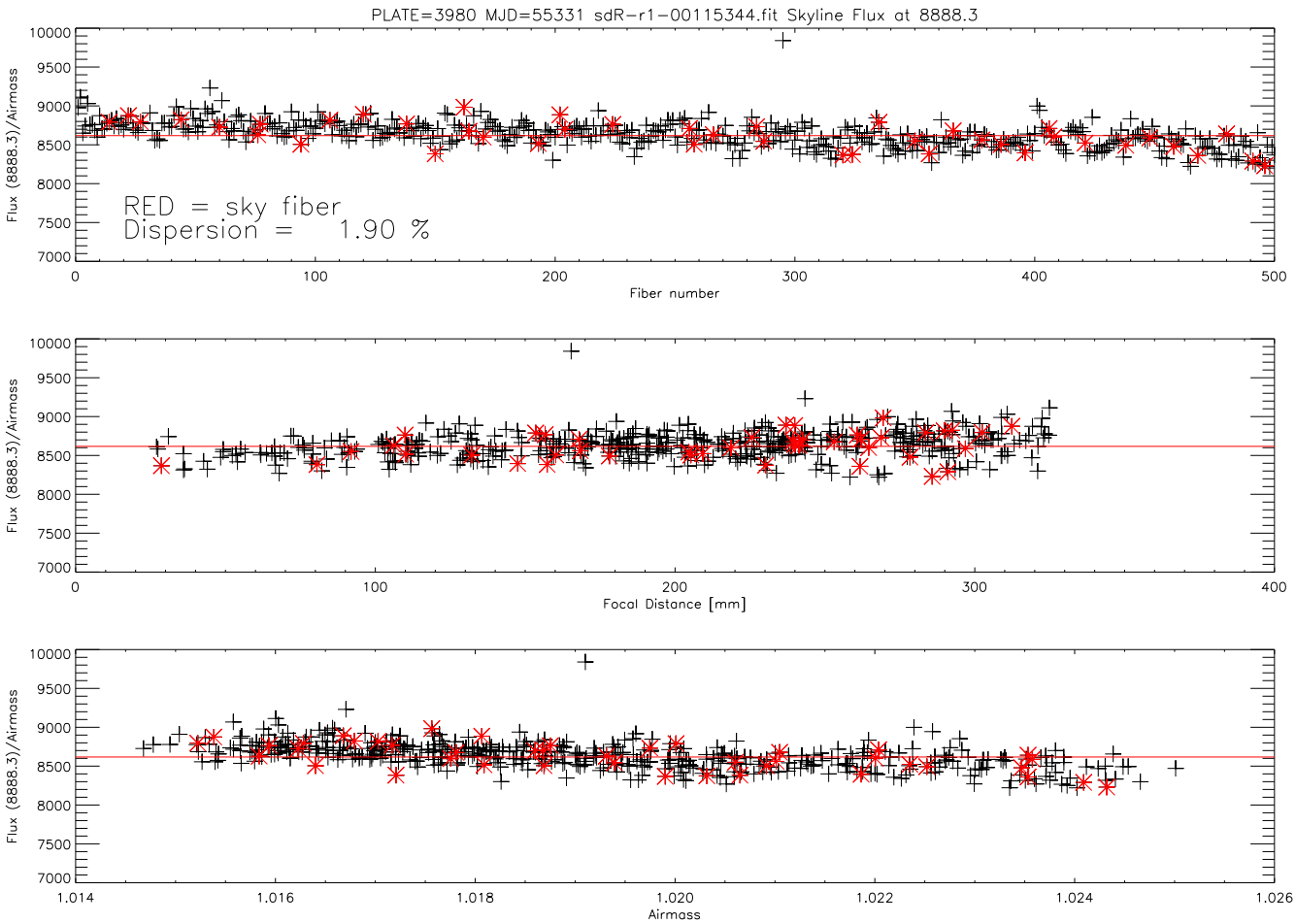

PLATE=3980 MJD=55331 sdR-r1-00115344.fit 2D Sky-subtraction Sky Fibers
Flux [electrons]
5000
4000
3000
2000
1000
0
8820
8840
8860
8880
8900
λ [A]

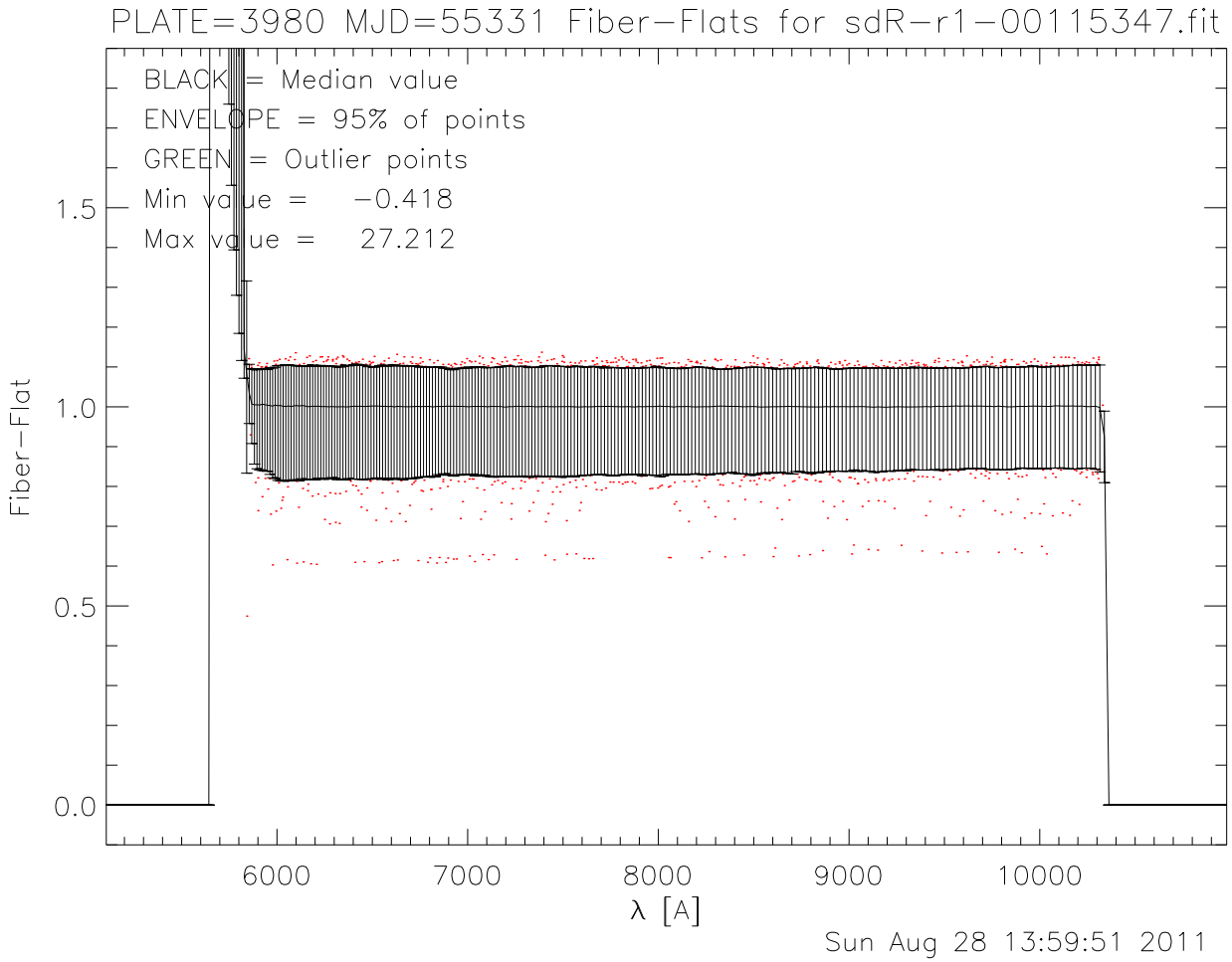

PLATE=3980 MJD=55331 sdR-r1-00115344.fit 2D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
2000
1500
1000
500
0
-500
8820
8840
8860
8880
8900
λ [A]

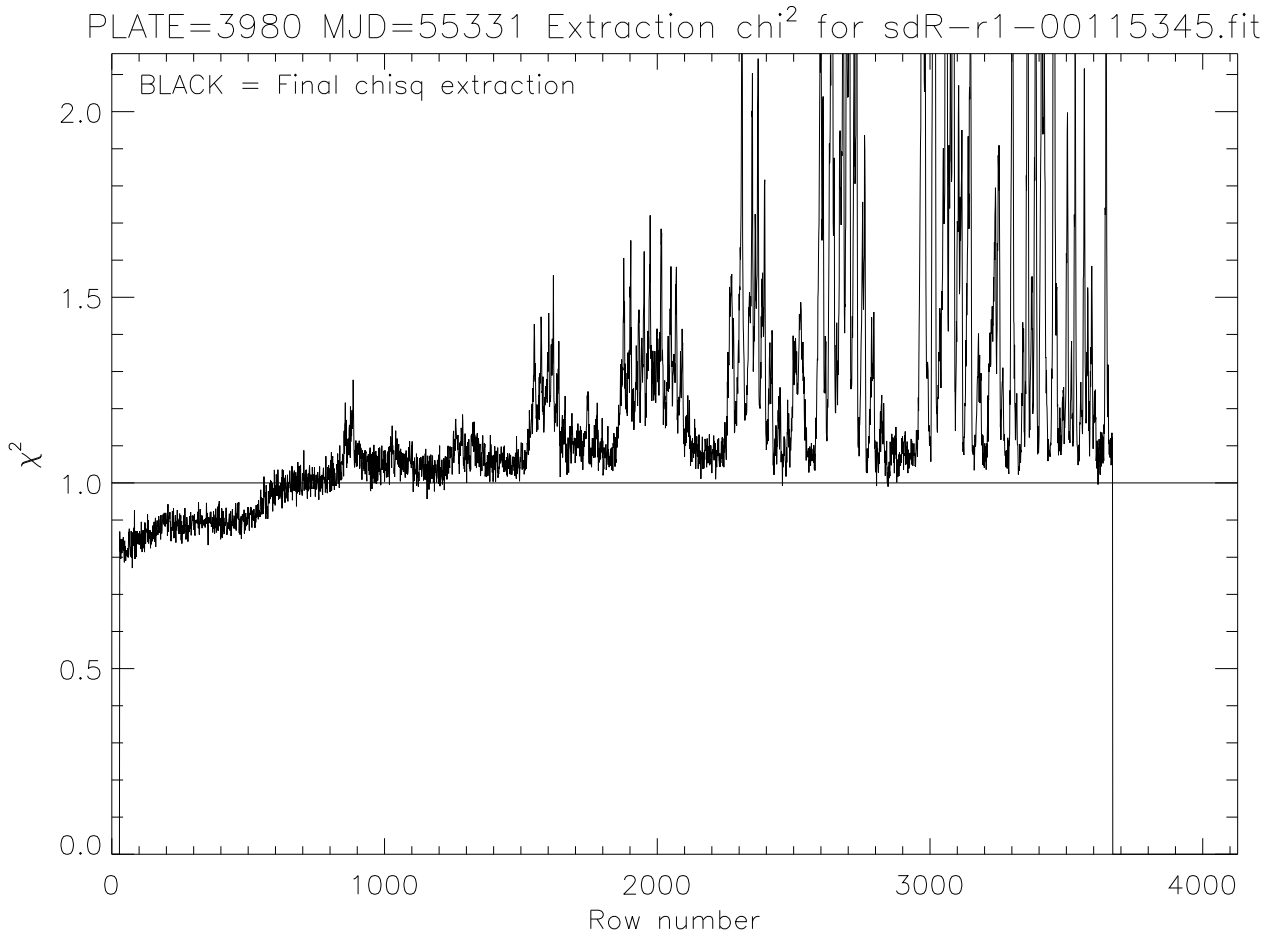
Number of sky fibers = 43

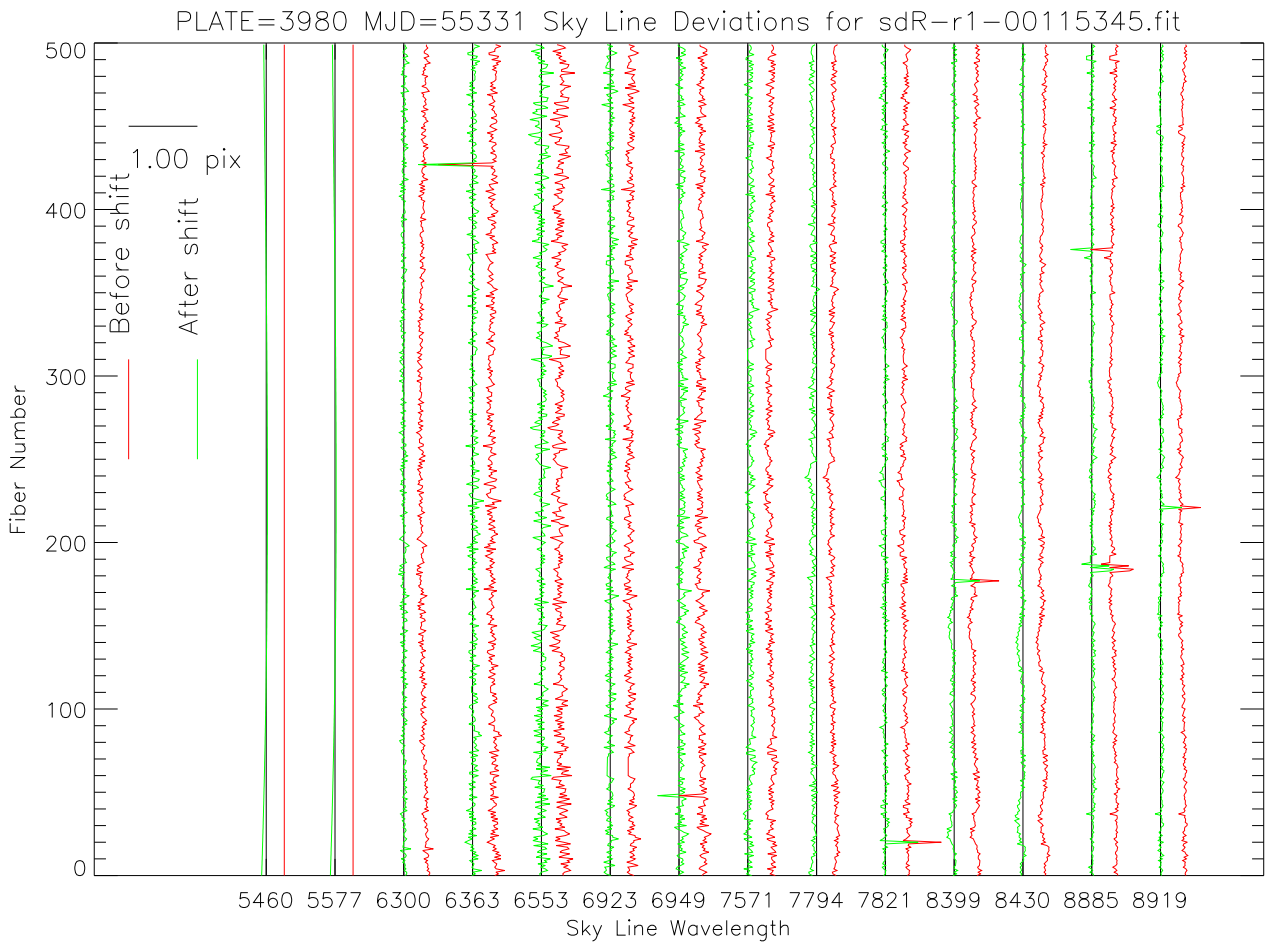


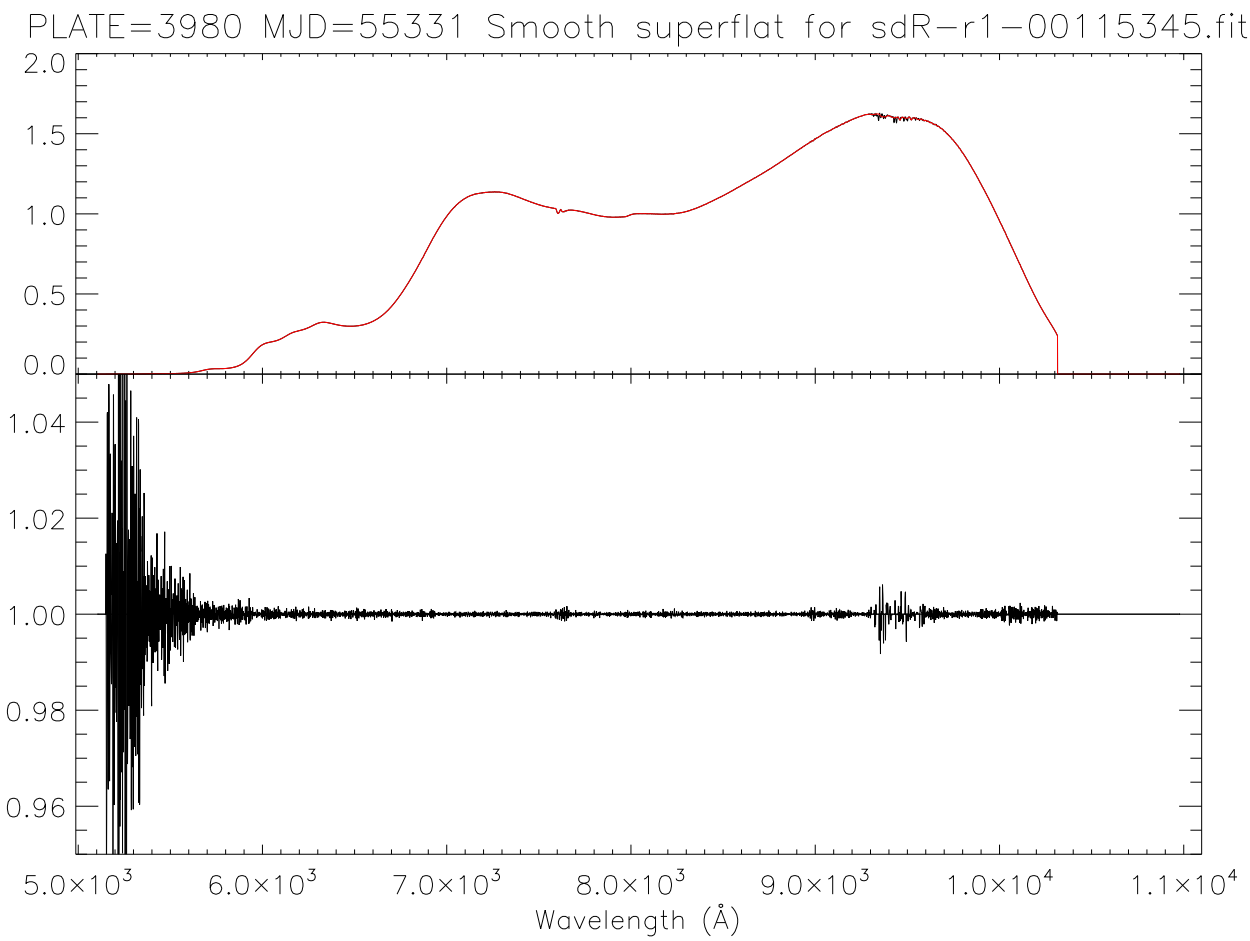

PLATE=3980 MJD=55331 sdR-r1-00115344.fit Skyline Flux at 7343,0
Flux (7343.0)/Airmass
RED = sky fiber
Dispersion = 2.66 %
Fiber number
Flux (7343.0)/Airmass
Focal Distance [mm]
Flux (7343.0)/Airmass
Airmass

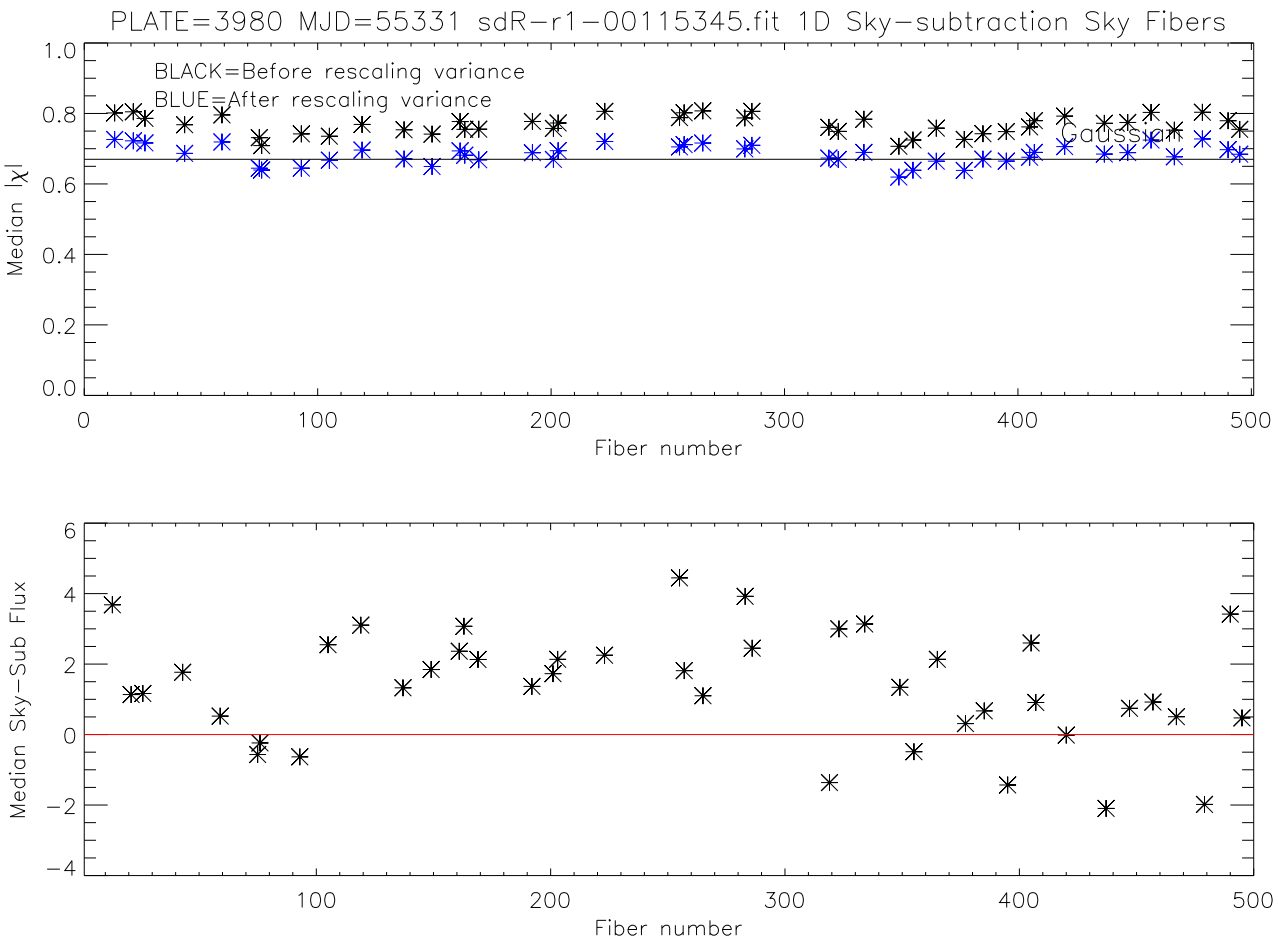

PLATE=3980 MJD=55331 sdR-r1-00115344.fit Skyline Flux at 8888.3
Flux (8888.3)/Airmass
RED = sky fiber
Dispersion = 1.90 %
Fiber number
Flux (8888.3)/Airmass
Focal Distance [mm]
Flux (8888.3)/Airmass
Airmass

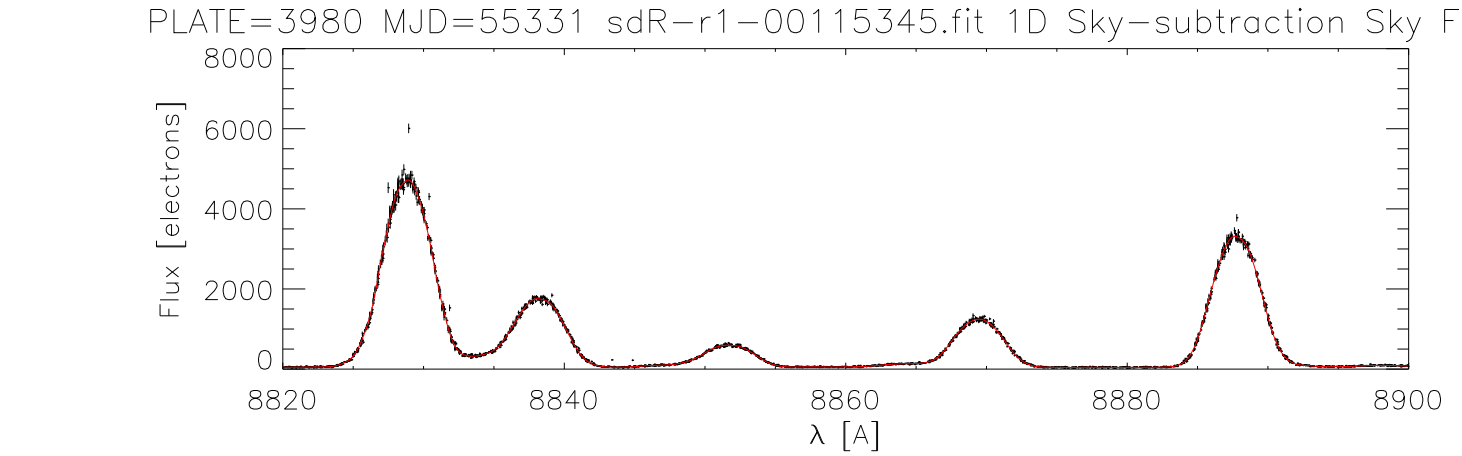

PLATE=3980 MJD=55331 Fiber−Flats for sdR−r1−00115347.fit
BLACK = Median value
ENVELOPE = 95% of points
GREEN = Outlier points
Min value = −0.418
Max value = 27.212
Fiber−Flat
1.5
1.0
0.5
0.0
6000
7000
8000
9000
10000
λ [A]
Sun Aug 28 13:59:51 2011

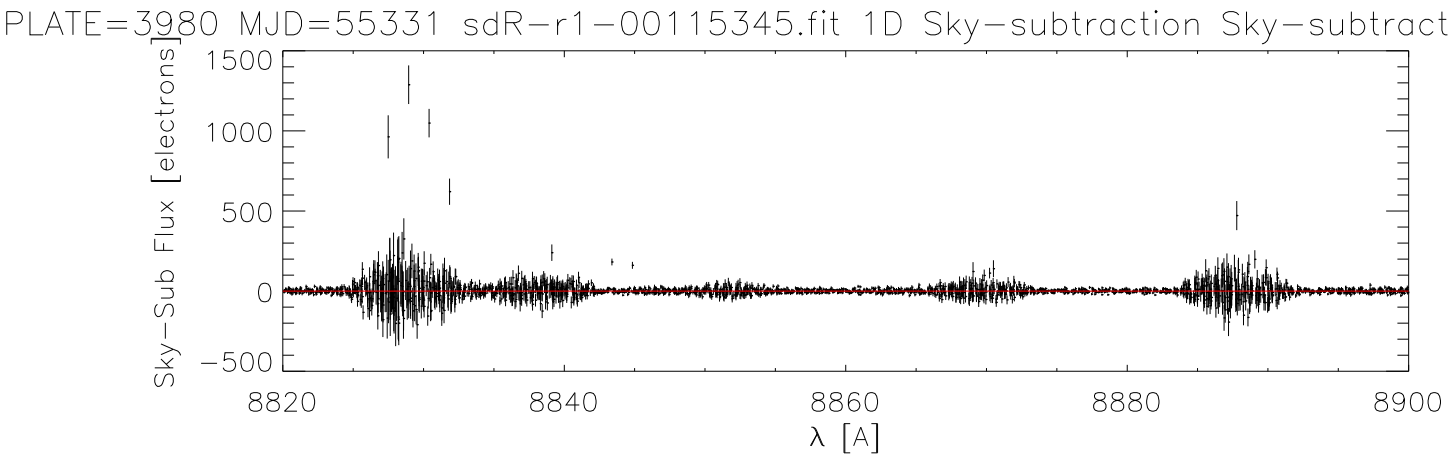

PLATE=3980 MJD=55331 Extraction chi^2 for sdR−r1−00115345.fit
BLACK = Final chisq extraction
χ^2
0.0
0.5
1.0
1.5
2.0
0
1000
2000
3000
4000
Row number


PLATE=3980 MJD=55331 Sky Line Deviations for sdR-r1-00115345.fit
1.00 pix
Before shift
After shift
Fiber Number
0
100
200
300
400
500
5460 5577 6300 6363 6553 6923 6949 7571 7794 7821 8399 8430 8885 8919
Sky Line Wavelength

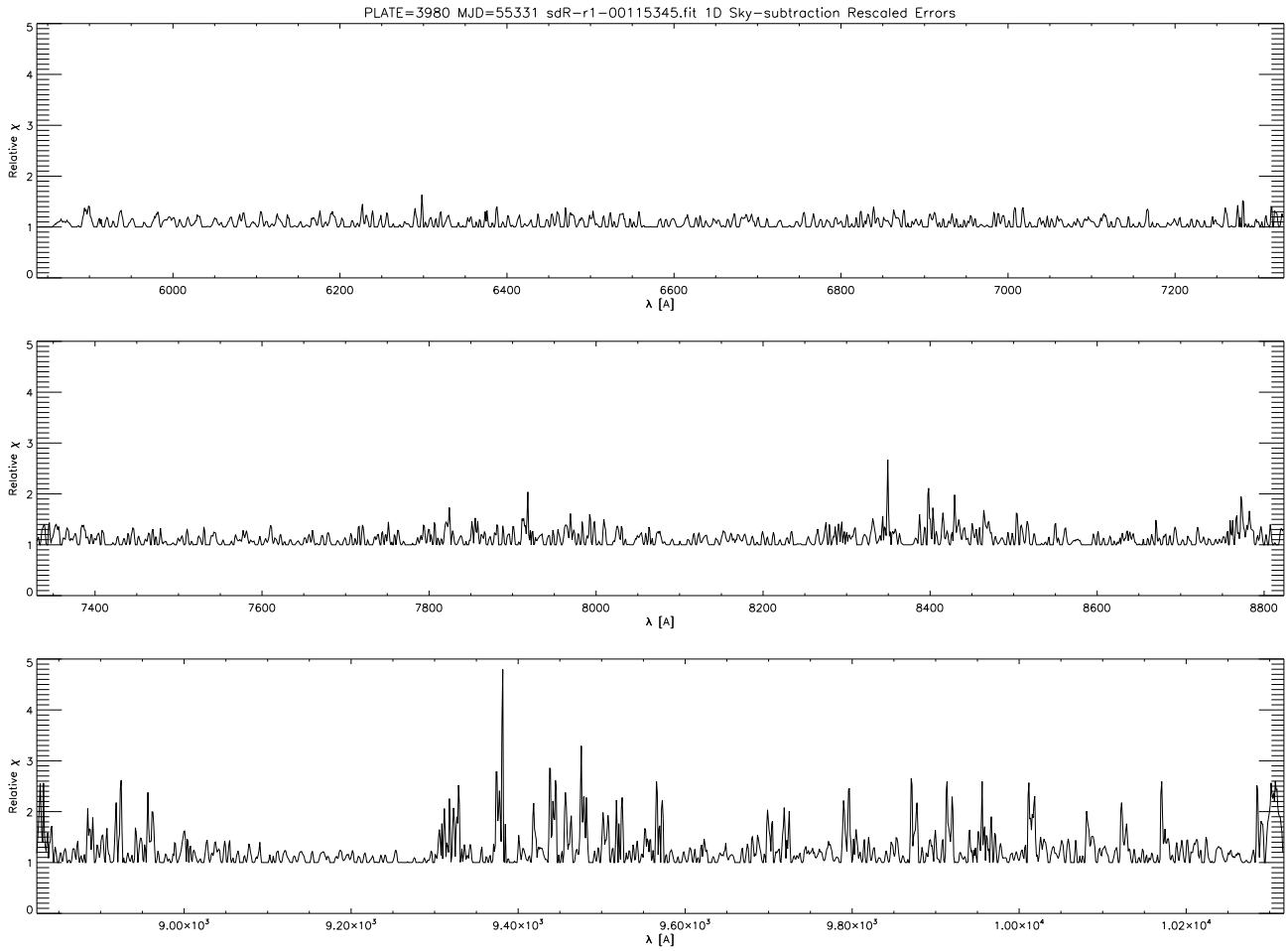

PLATE=3980 MJD=55331 Smooth superflat for sdR-r1-00115345.fit
2.0
1.5
1.0
0.5
0.0
1.04
1.02
1.00
0.98
0.96
5.0×10^3
6.0×10^3
7.0×10^3
8.0×10^3
9.0×10^3
1.0×10^4
1.1×10^4
Wavelength (Å)

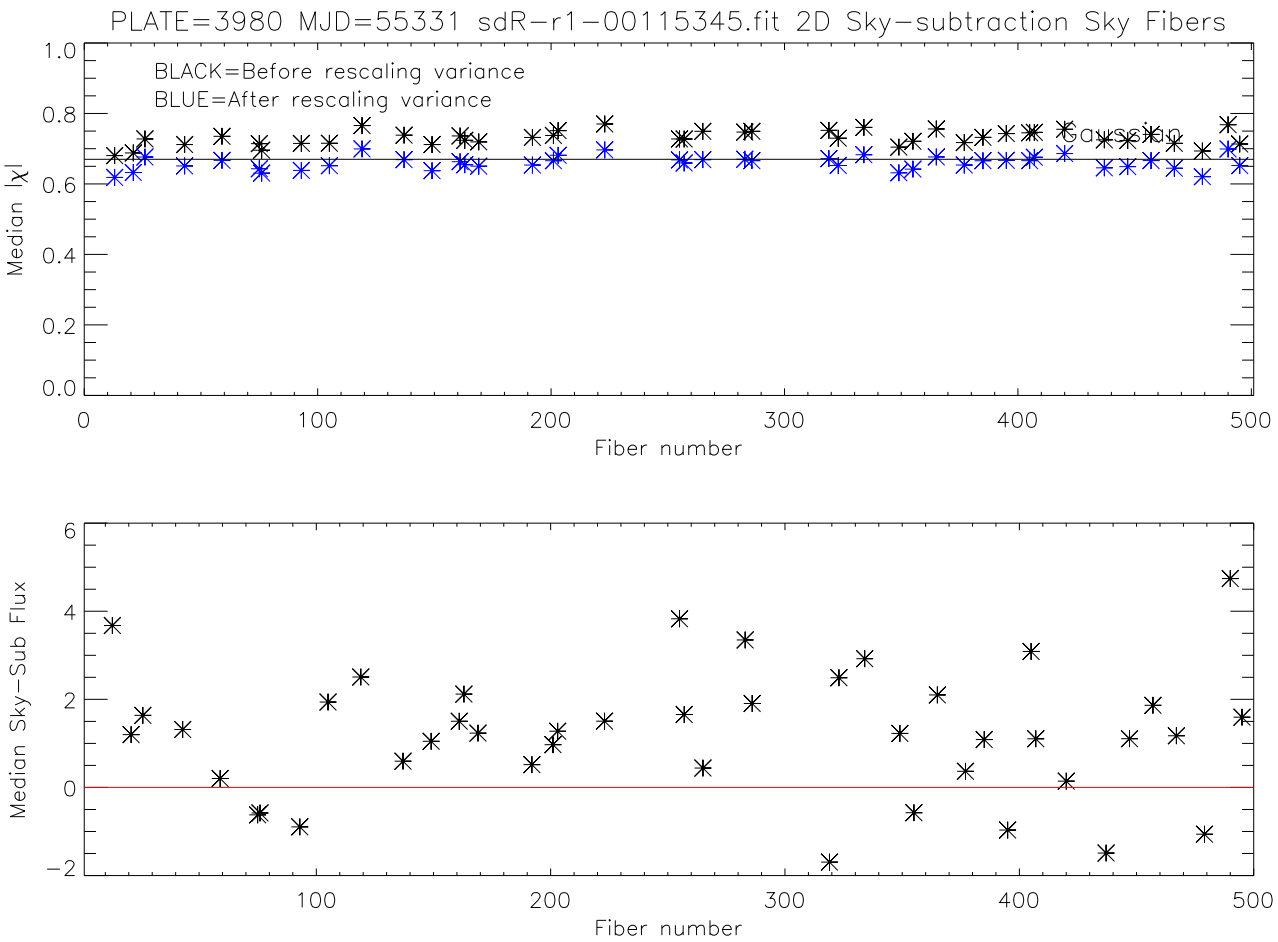

PLATE=3980 MJD=55331 sdR-r1-00115345.fit 1D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

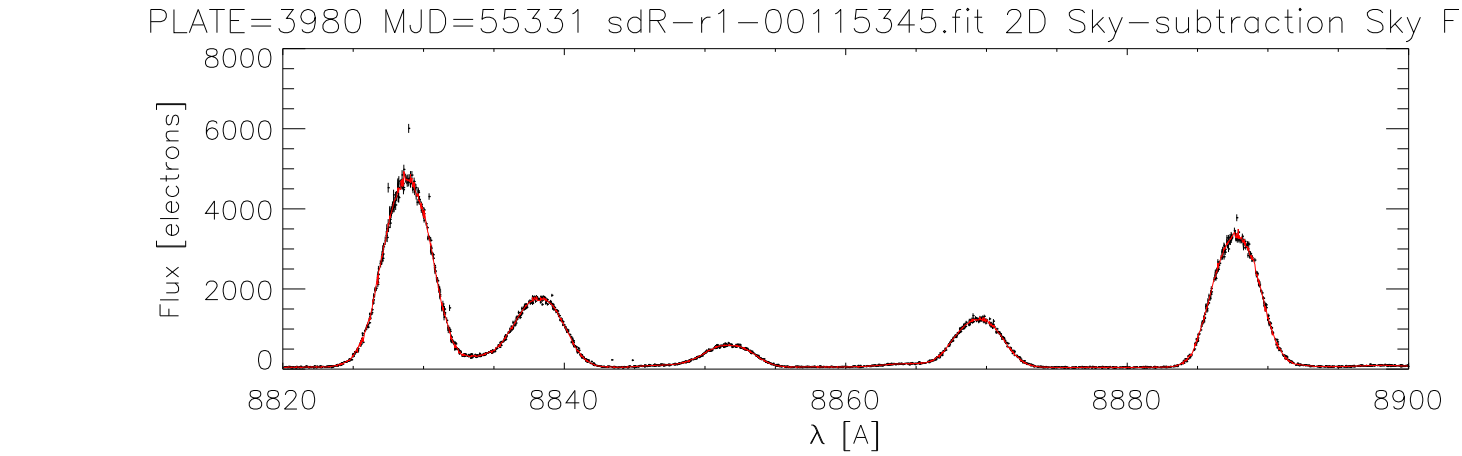

PLATE=3980 MJD=55331 sdR-r1-00115345.fit 1D Sky-subtraction Sky Fibers
Flux [electrons]
8000
6000
4000
2000
0
8820
8840
8860
8880
8900
λ [A]

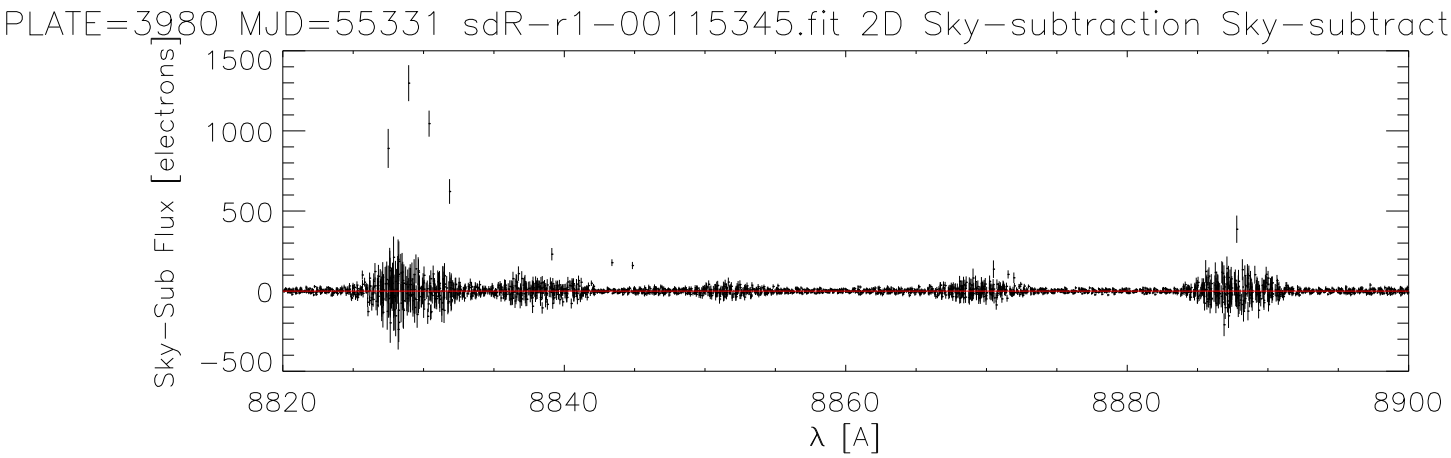

PLATE=3980 MJD=55331 sdR-r1-00115345.fit 1D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
1500
1000
500
0
-500
8820
8840
8860
8880
8900
λ [A]

Number of sky fibers = 43

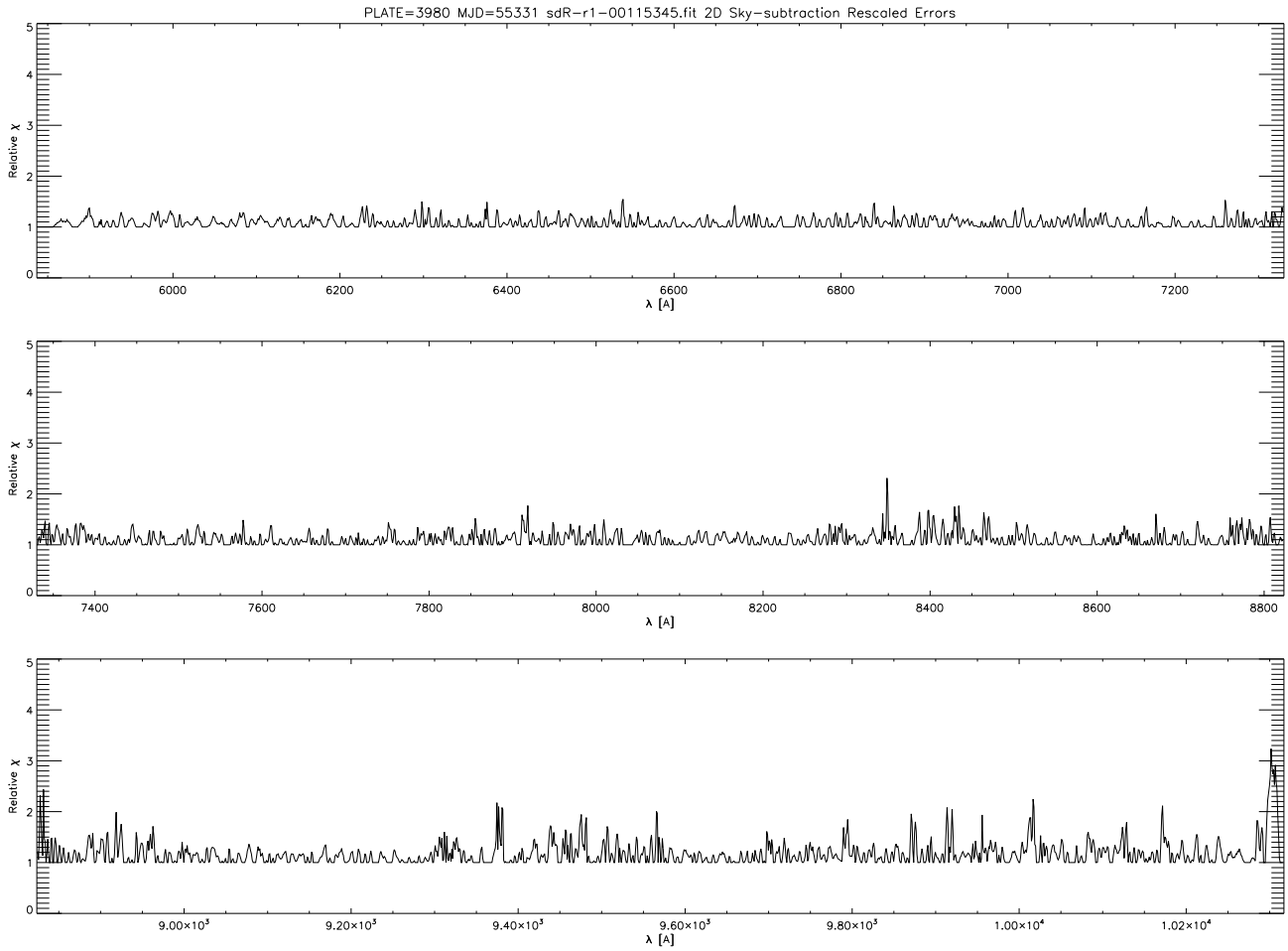


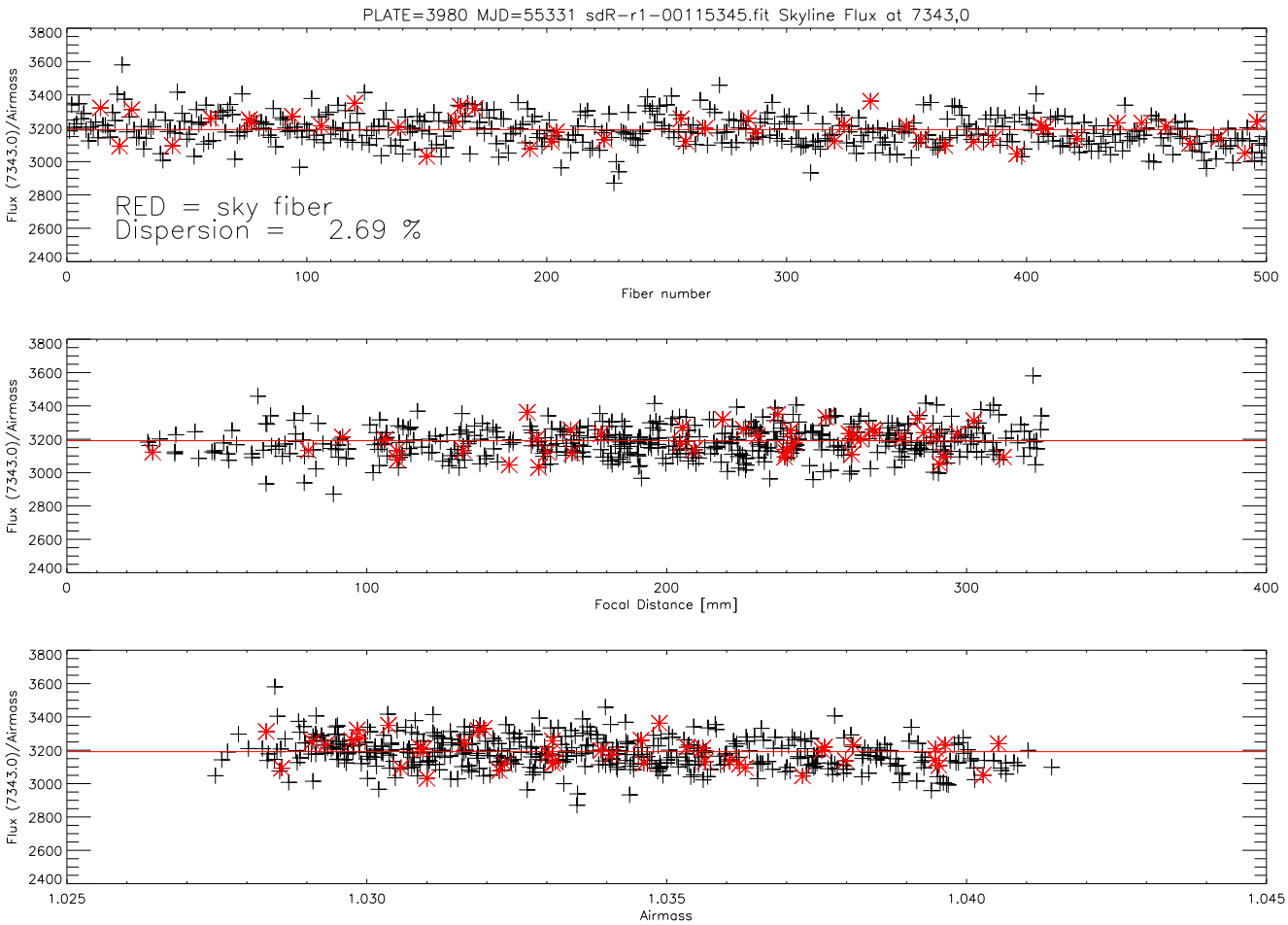

PLATE=3980 MJD=55331 sdR-r1-00115345.fit 2D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

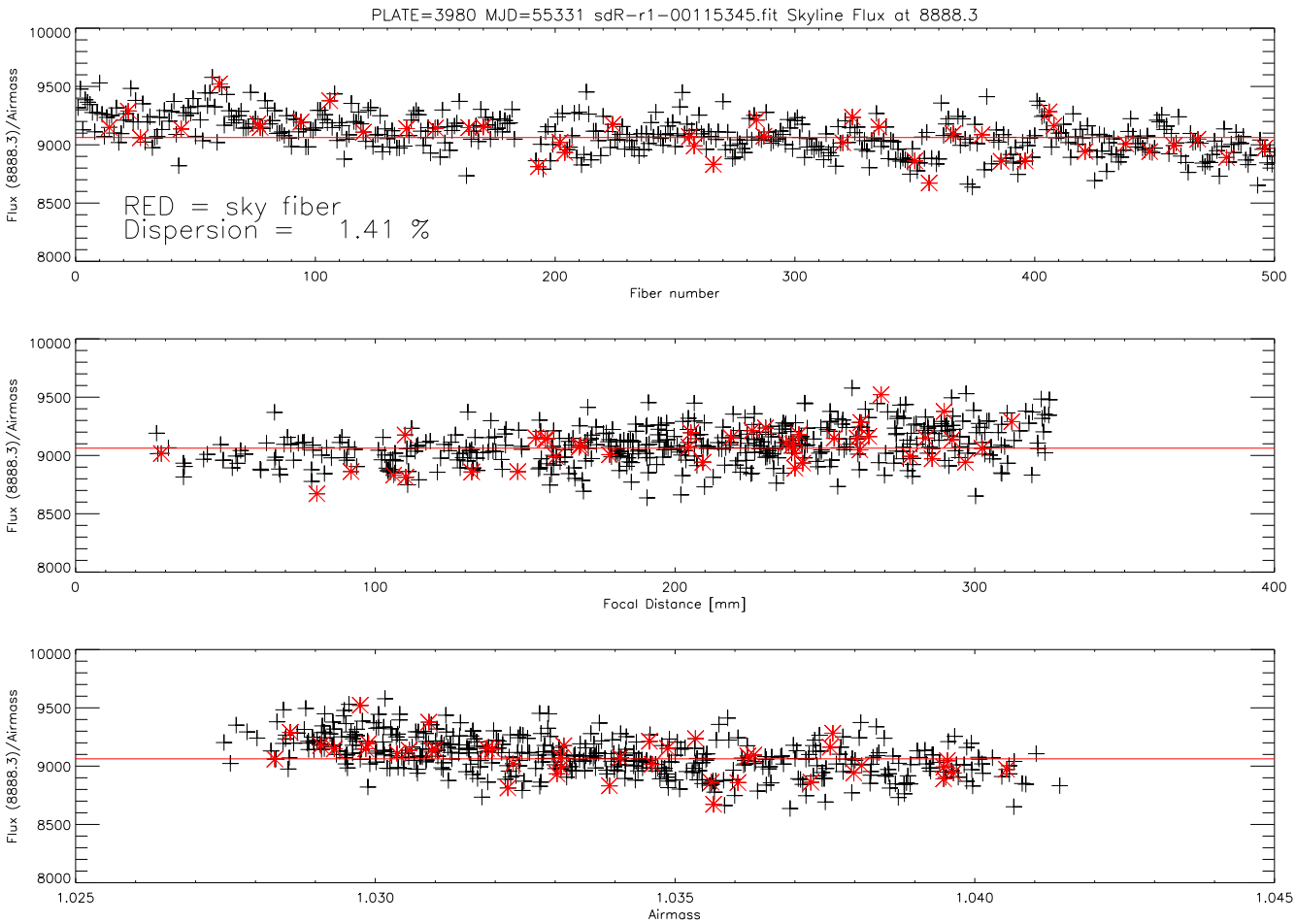

PLATE=3980 MJD=55331 sdR-r1-00115345.fit 2D Sky-subtraction Sky Fibers
Flux [electrons]
8000
6000
4000
2000
0
8820
8840
8860
8880
8900
λ [A]

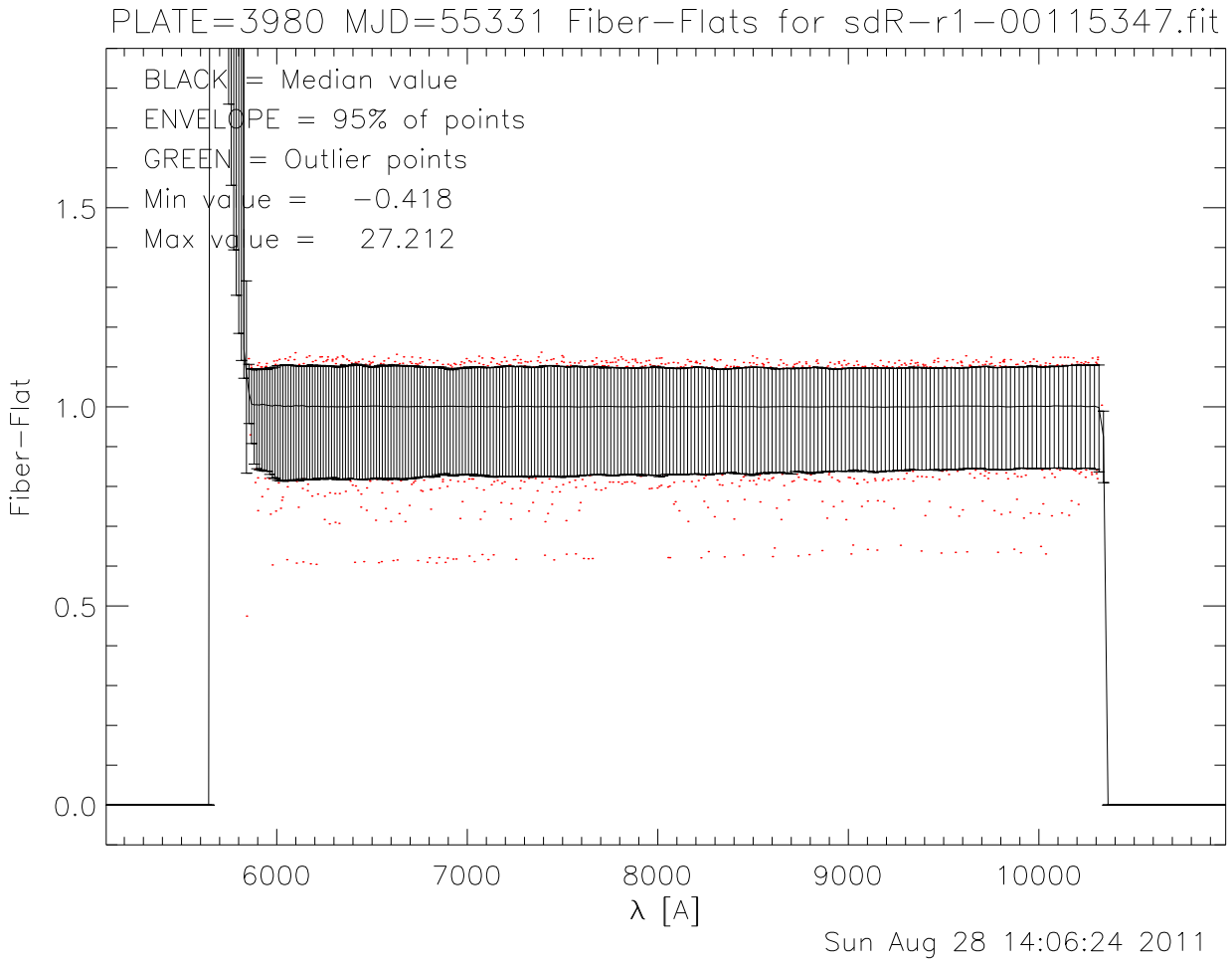

PLATE=3980 MJD=55331 sdR-r1-00115345.fit 2D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
1500
1000
500
0
-500
8820
8840
8860
8880
8900
λ [A]

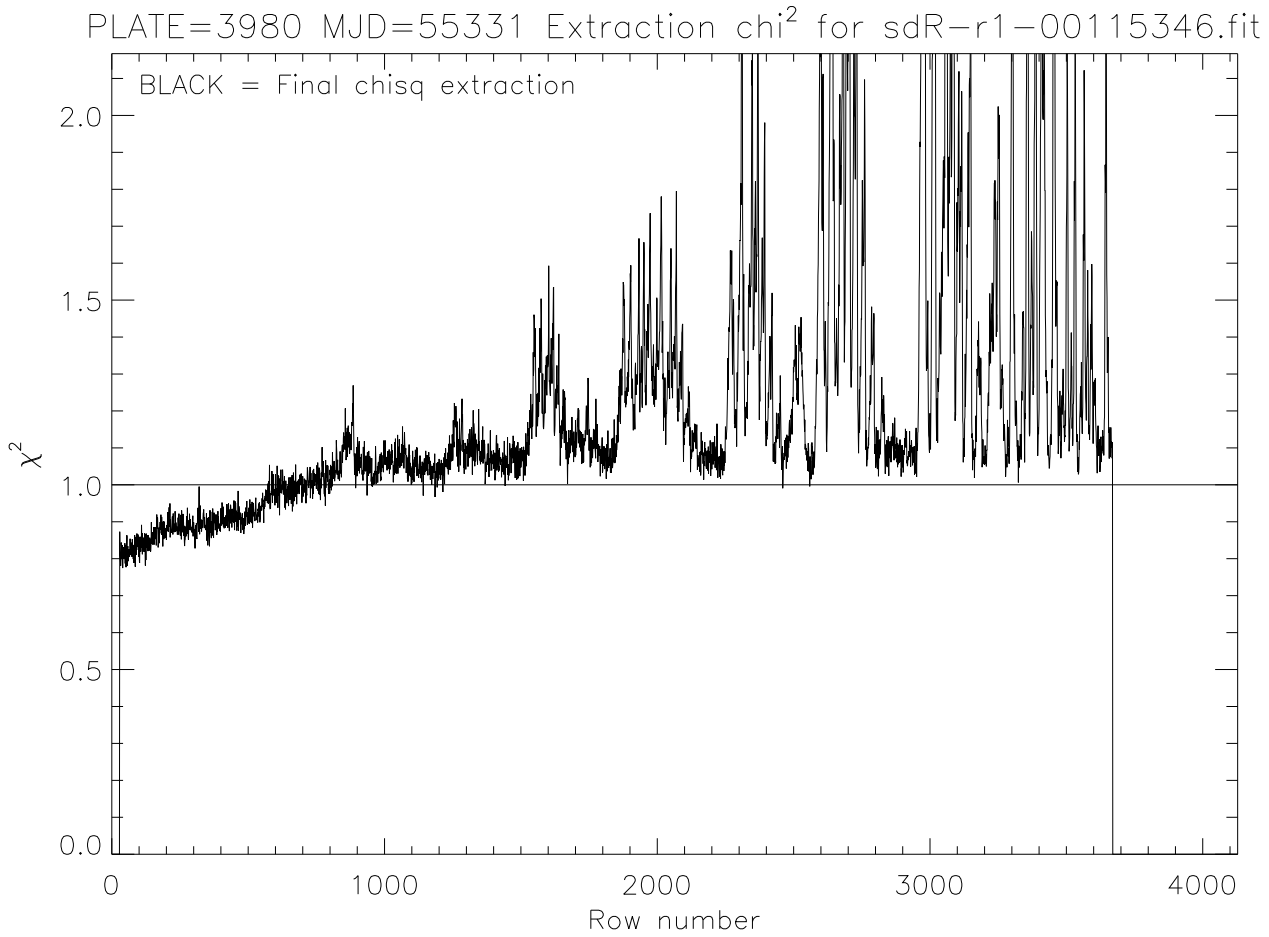
Number of sky fibers = 43

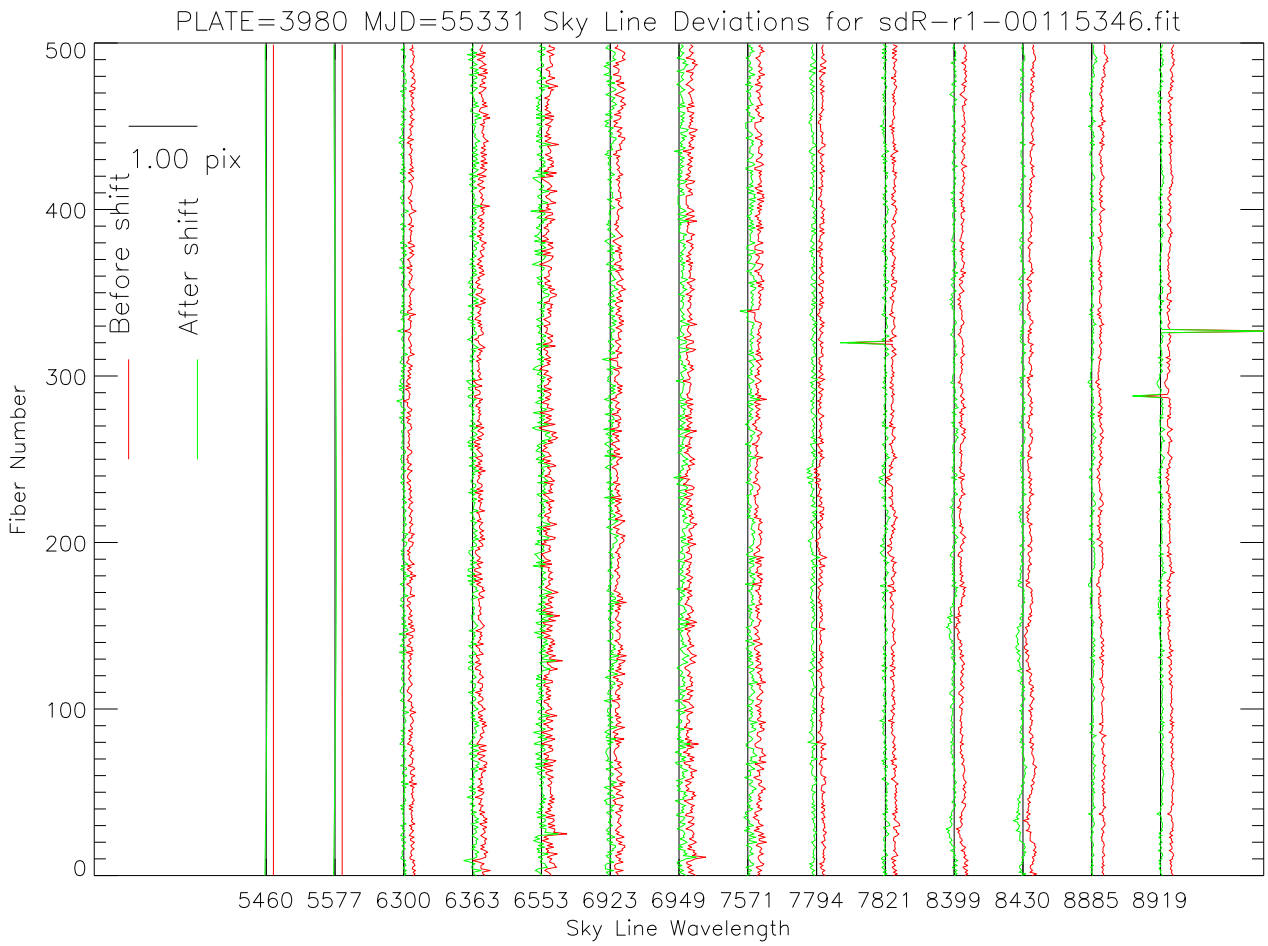


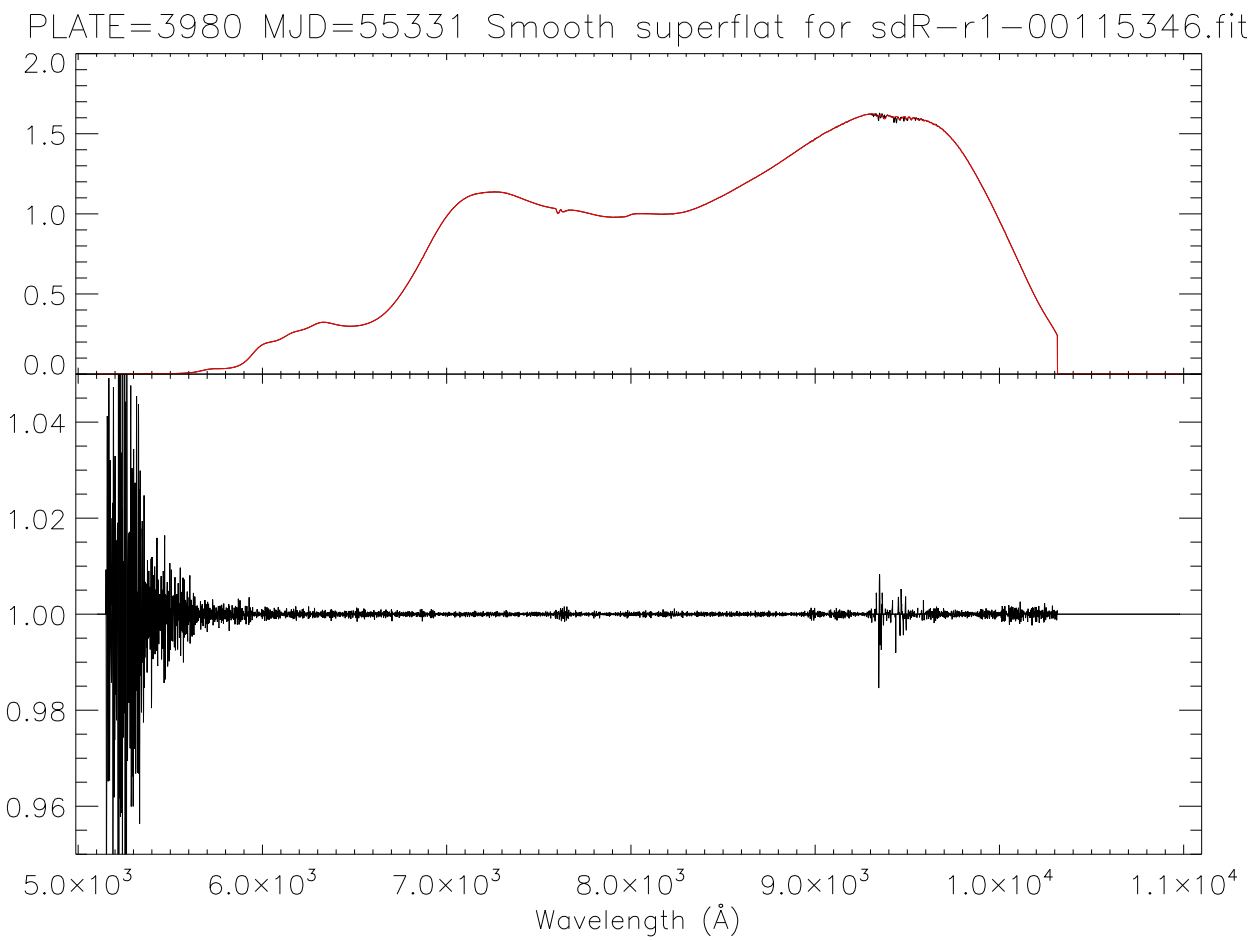

PLATE=3980 MJD=55331 sdR-r1-00115345.fit Skyline Flux at 7343,0
Flux (7343.0)/Airmass
RED = sky fiber
Dispersion = 2.69 %
Fiber number
Flux (7343.0)/Airmass
Focal Distance [mm]
Flux (7343.0)/Airmass
Airmass

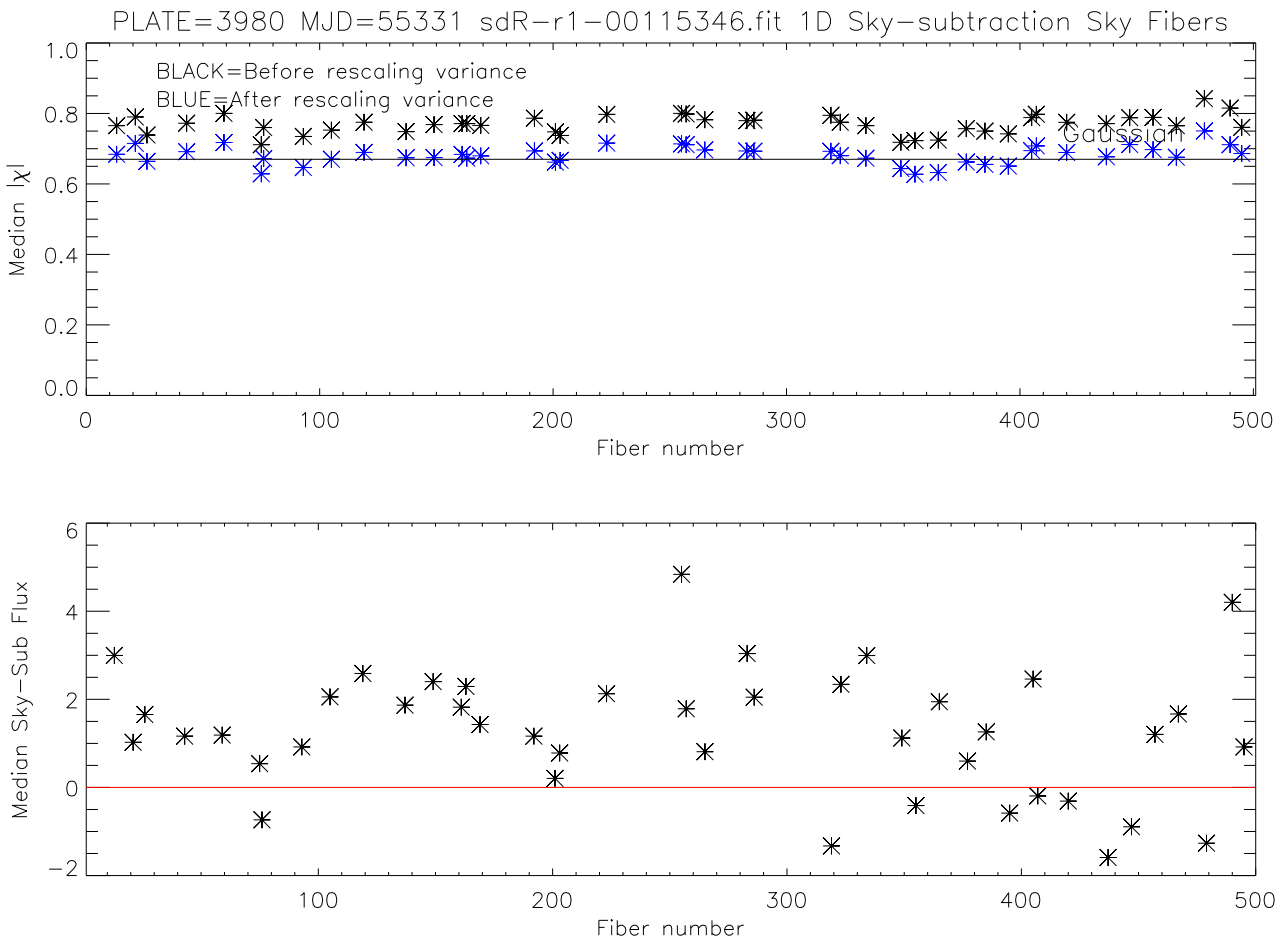

PLATE=3980 MJD=55331 sdR-r1-00115345.fit Skyline Flux at 8888.3
Flux (8888.3)/Airmass
RED = sky fiber
Dispersion = 1.41 %
Fiber number
Focal Distance [mm]
Airmass

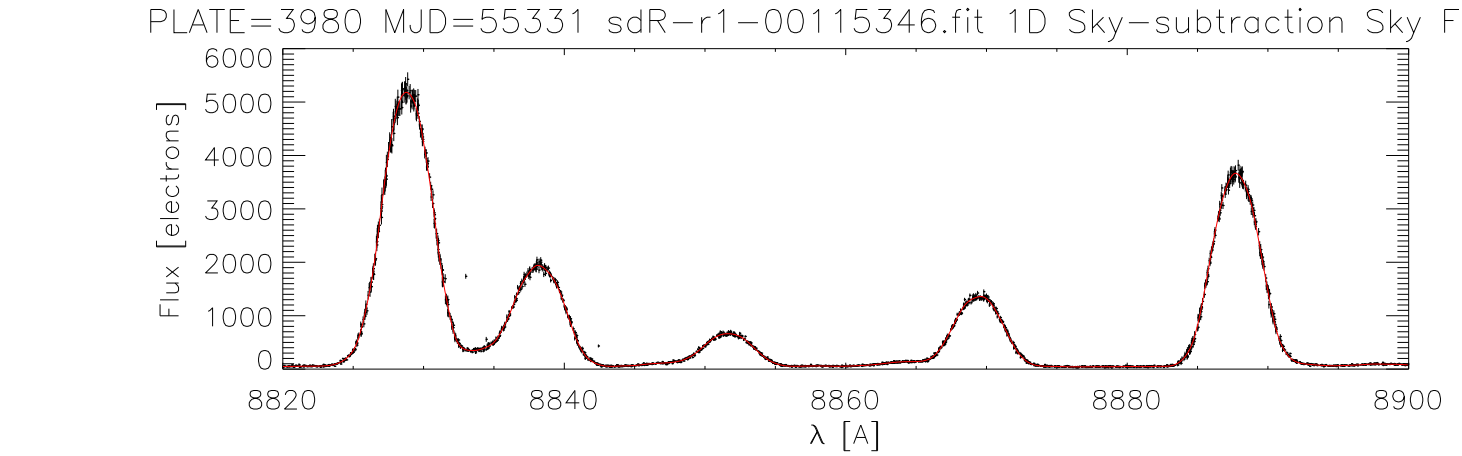

PLATE=3980 MJD=55331 Fiber−Flats for sdR−r1−00115347.fit
BLACK = Median value
ENVELOPE = 95% of points
GREEN = Outlier points
Min value = −0.418
Max value = 27.212
Fiber−Flat
1.5
1.0
0.5
0.0
6000
7000
8000
9000
10000
λ [A]
Sun Aug 28 14:06:24 2011

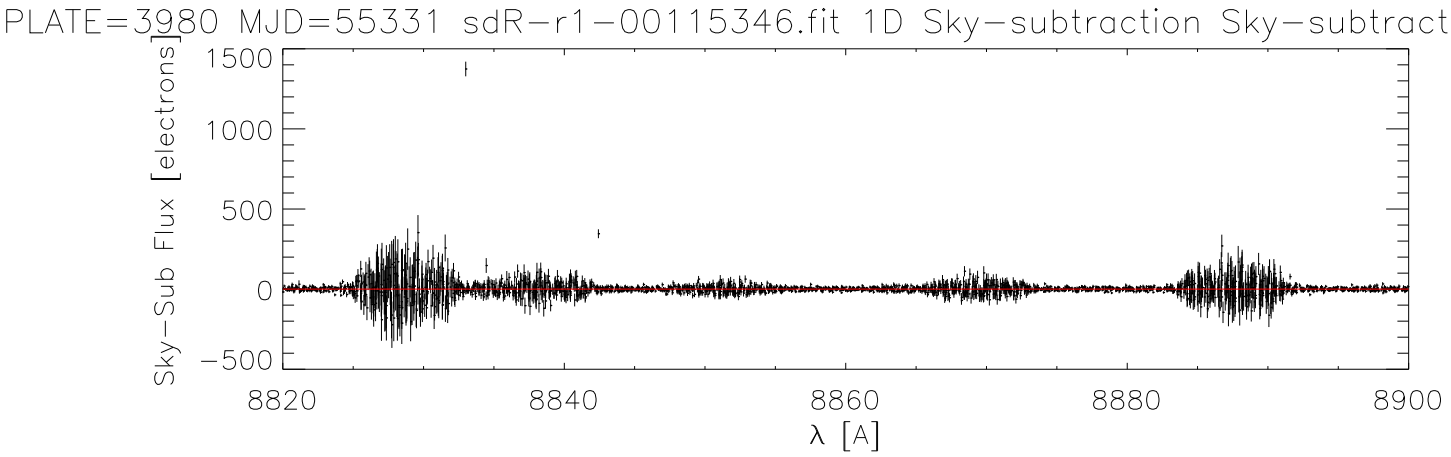

PLATE=3980 MJD=55331 Extraction chi^2 for sdR−r1−00115346.fit
BLACK = Final chisq extraction
χ^2
0.0
0.5
1.0
1.5
2.0
0
1000
2000
3000
4000
Row number


PLATE=3980 MJD=55331 Sky Line Deviations for sdR-r1-00115346.fit
Before shift
After shift
1.00 pix
Fiber Number
0
100
200
300
400
500
5460 5577 6300 6363 6553 6923 6949 7571 7794 7821 8399 8430 8885 8919
Sky Line Wavelength

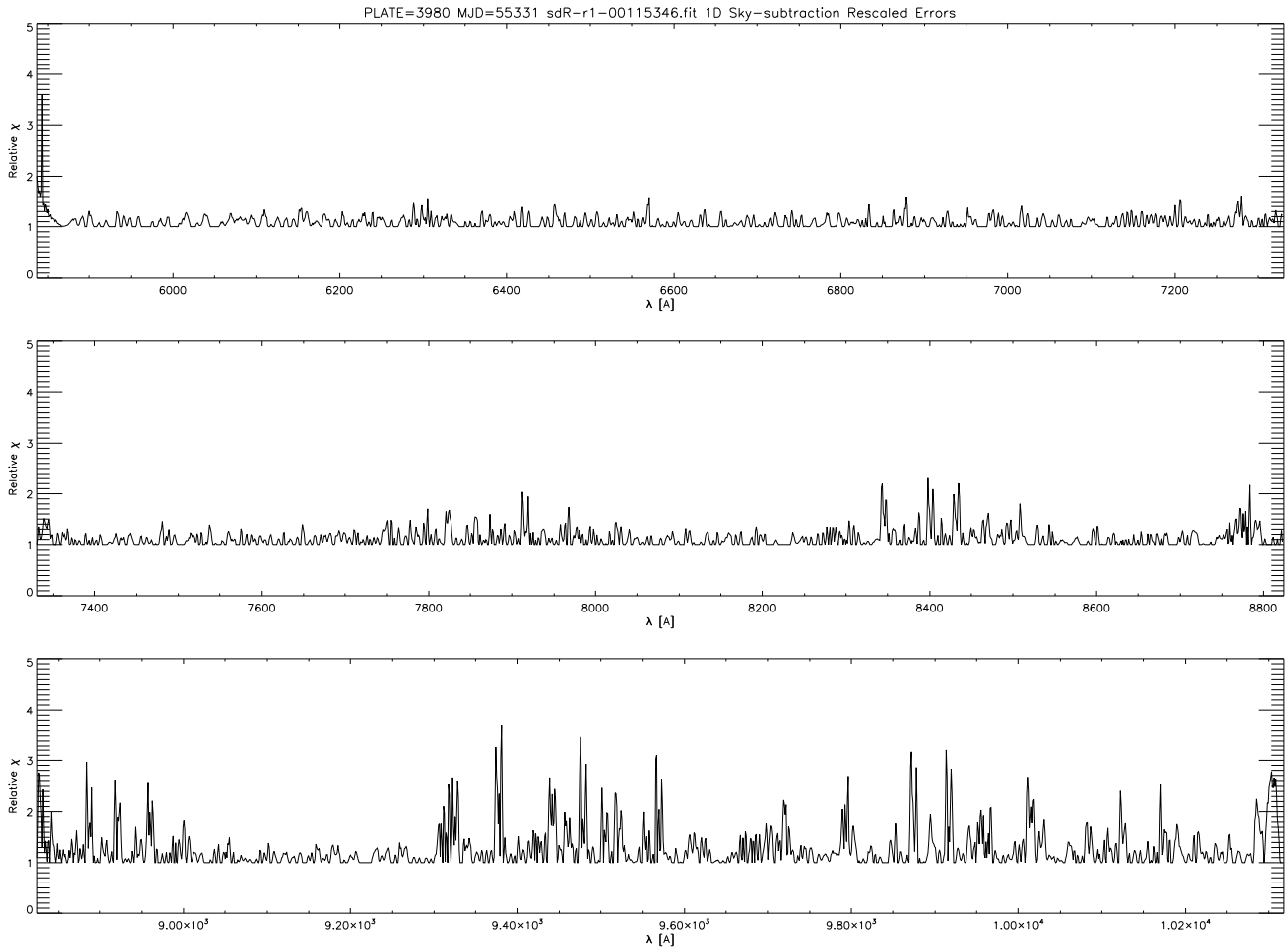

PLATE=3980 MJD=55331 Smooth superflat for sdR-r1-00115346.fit
2.0
1.5
1.0
0.5
0.0
1.04
1.02
1.00
0.98
0.96
5.0×10^3
6.0×10^3
7.0×10^3
8.0×10^3
9.0×10^3
1.0×10^4
1.1×10^4
Wavelength (Å)

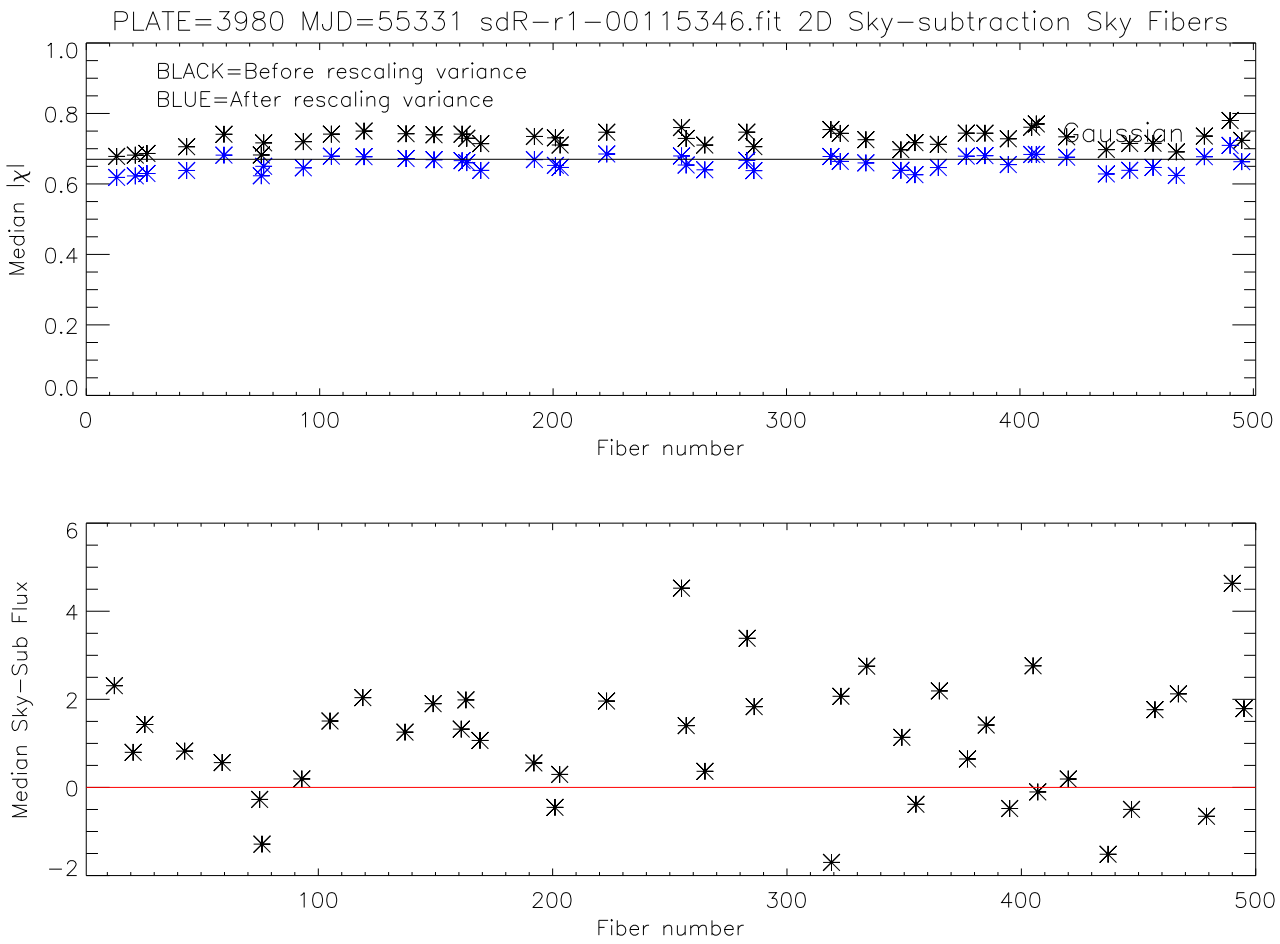

PLATE=3980 MJD=55331 sdR-r1-00115346.fit 1D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

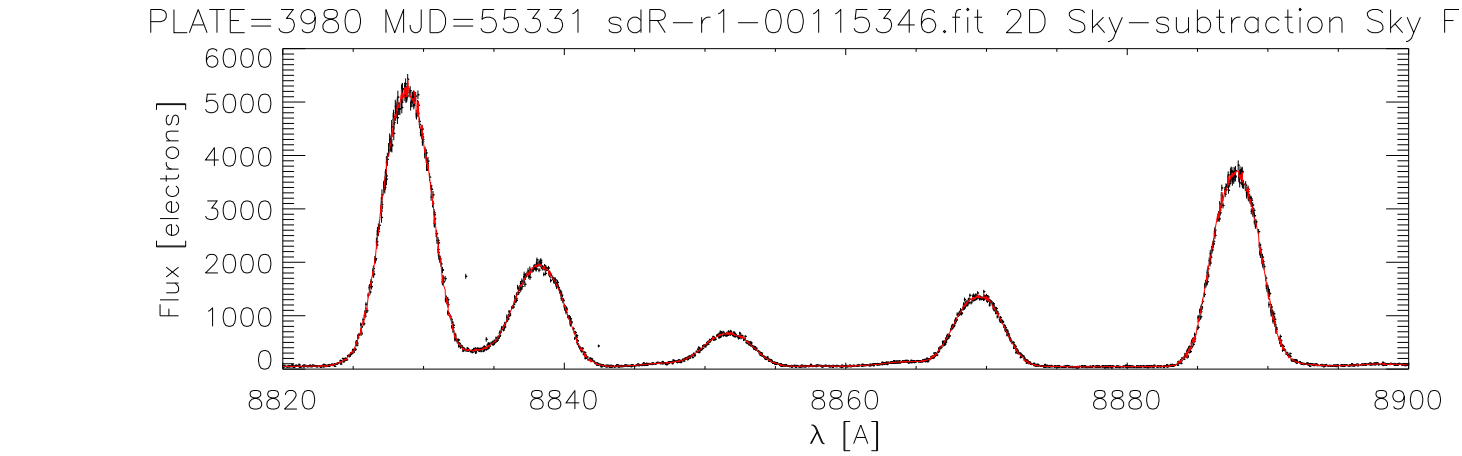

PLATE=3980 MJD=55331 sdR-r1-00115346.fit 1D Sky-subtraction Sky Fibers
Flux [electrons]
6000
5000
4000
3000
2000
1000
0
8820
8840
8860
8880
8900
λ [A]

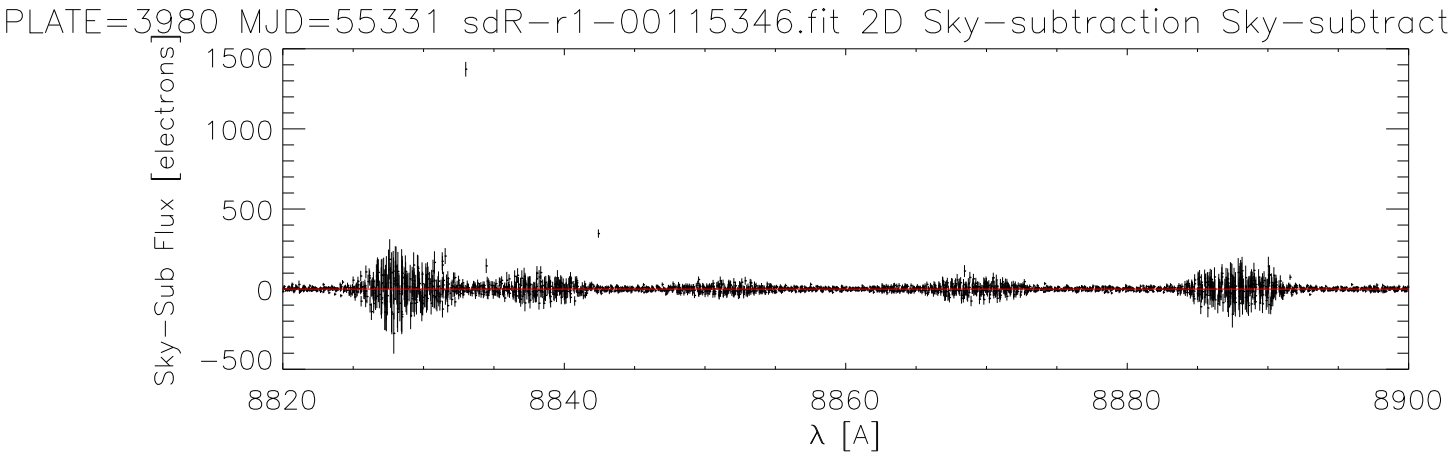

PLATE=3980 MJD=55331 sdR-r1-00115346.fit 1D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
1500
1000
500
0
-500
8820
8840
8860
8880
8900
λ [A]

Number of sky fibers = 43

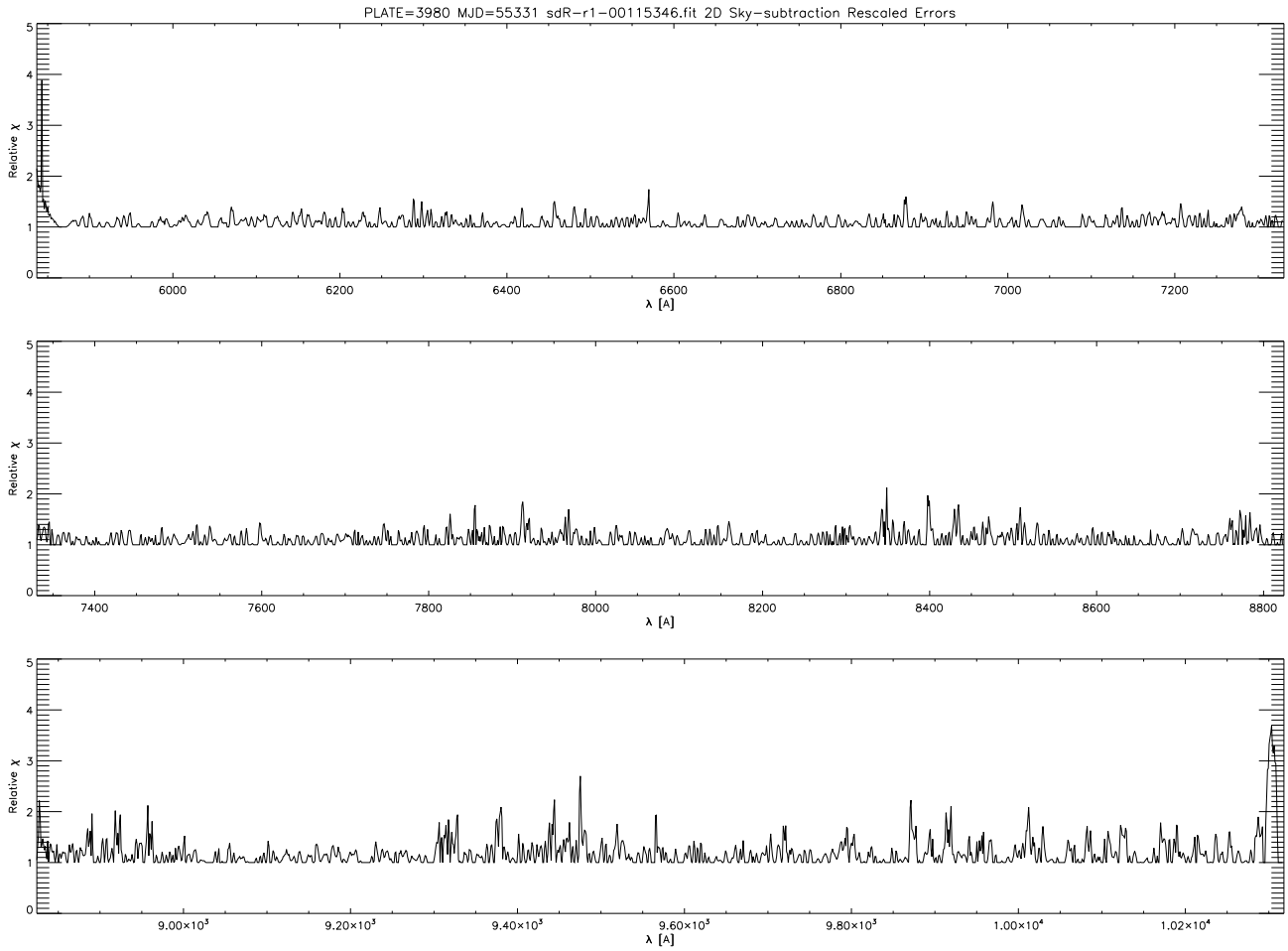


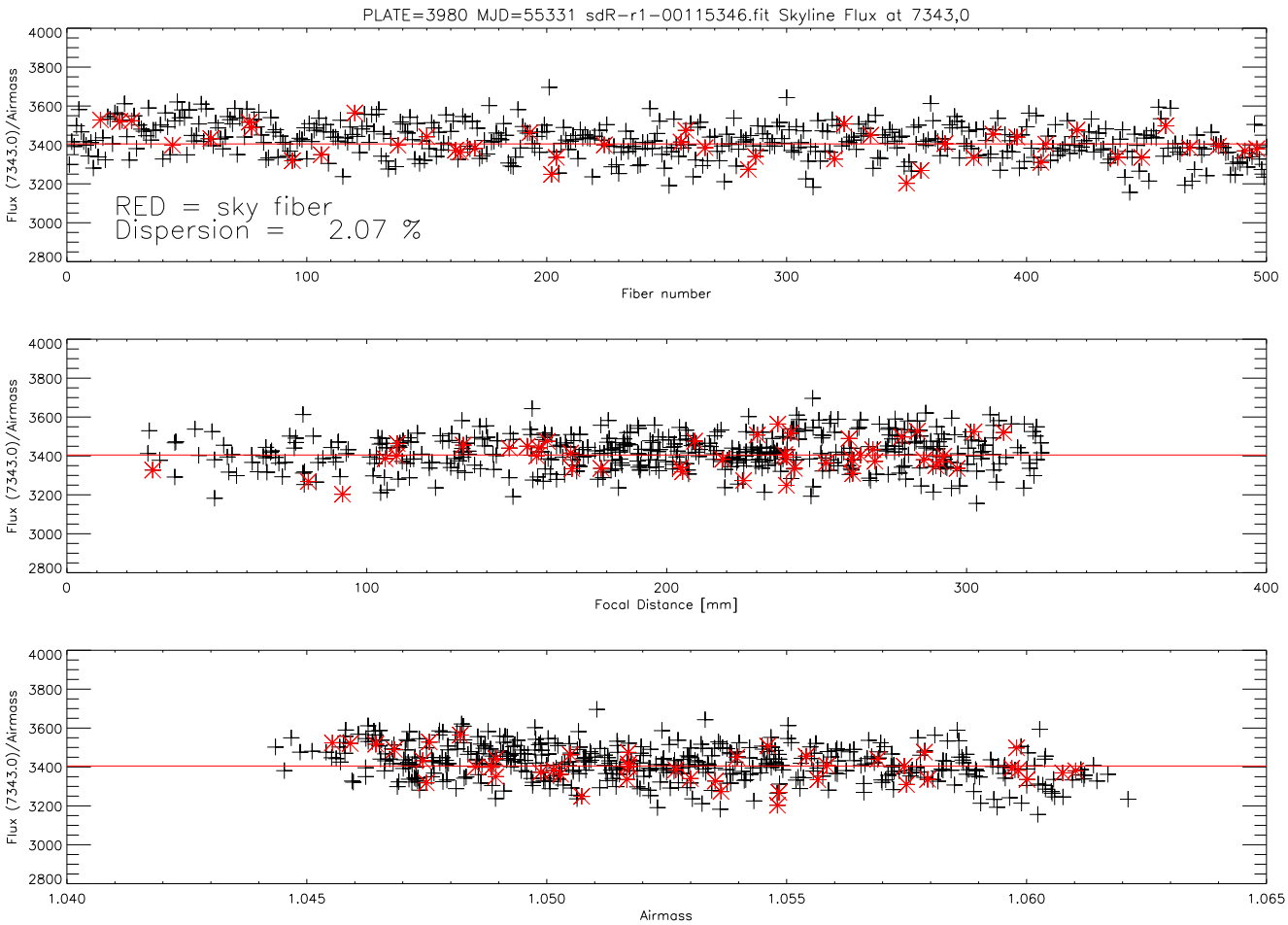

PLATE=3980 MJD=55331 sdR-r1-00115346.fit 2D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

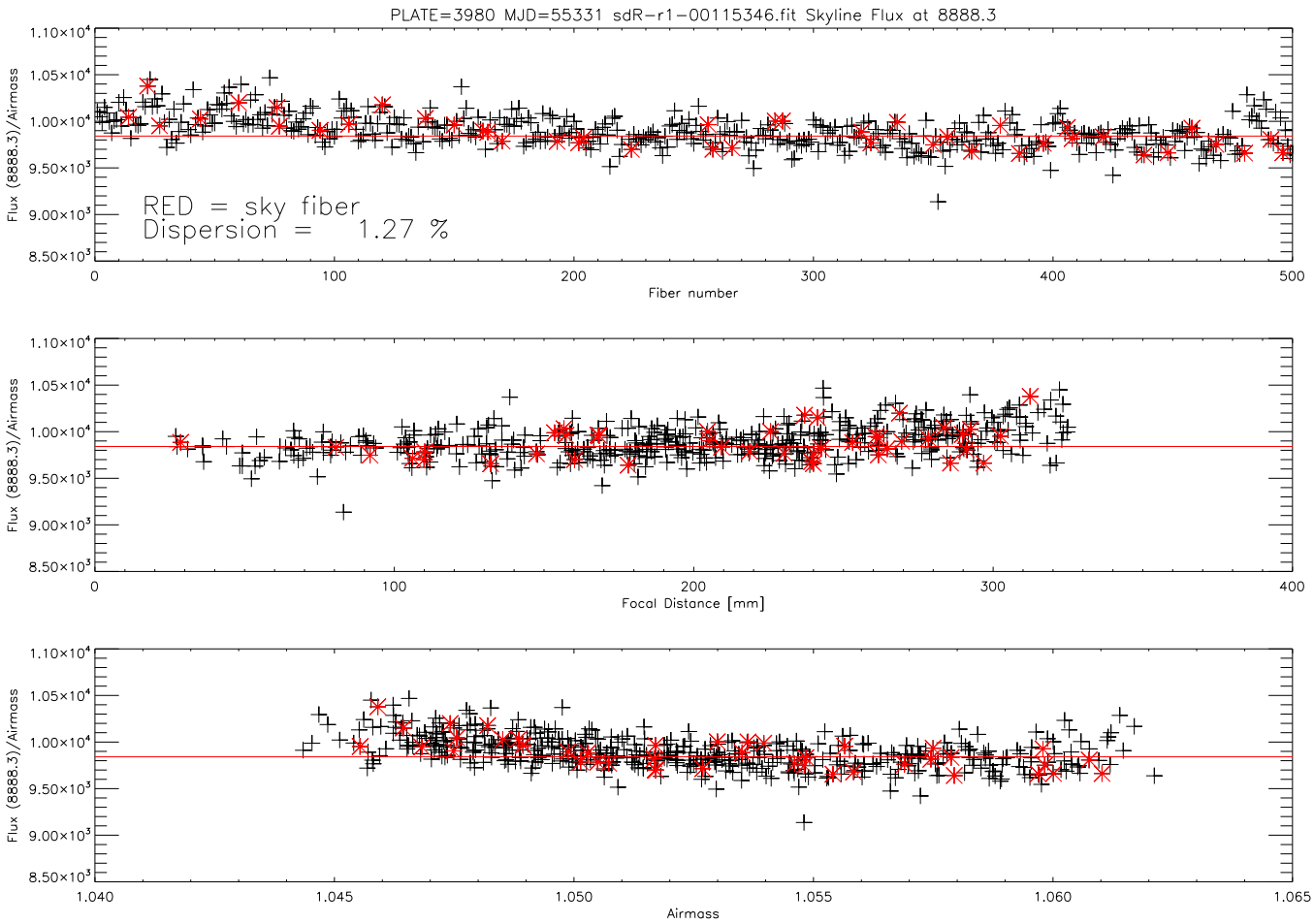

PLATE=3980 MJD=55331 sdR-r1-00115346.fit 2D Sky-subtraction Sky Fibers
Flux [electrons]
6000
5000
4000
3000
2000
1000
0
8820
8840
8860
8880
8900
λ [A]


PLATE=3980 MJD=55331 sdR-r1-00115346.fit 2D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
1500
1000
500
0
-500
8820
8840
8860
8880
8900
λ [A]

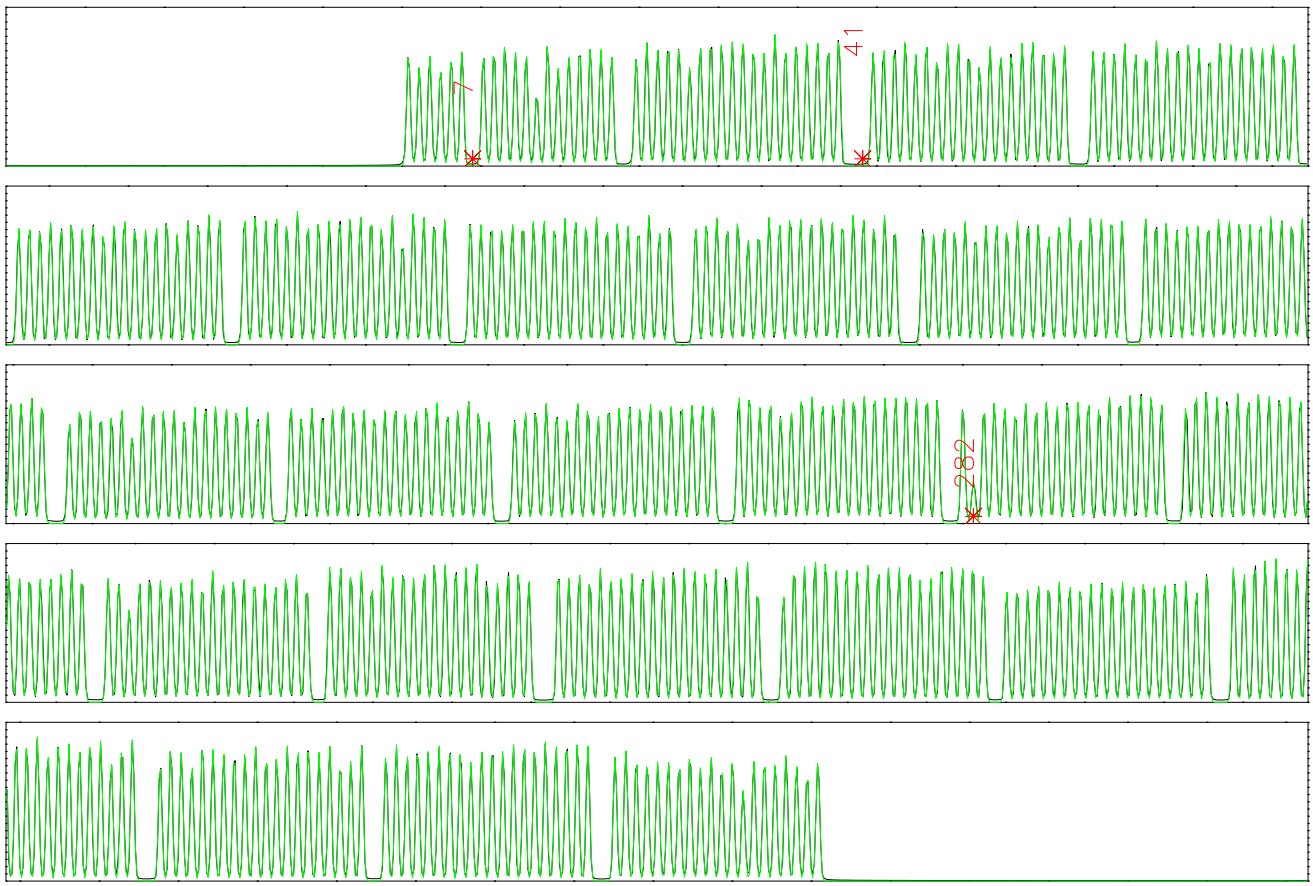
Number of sky fibers = 43



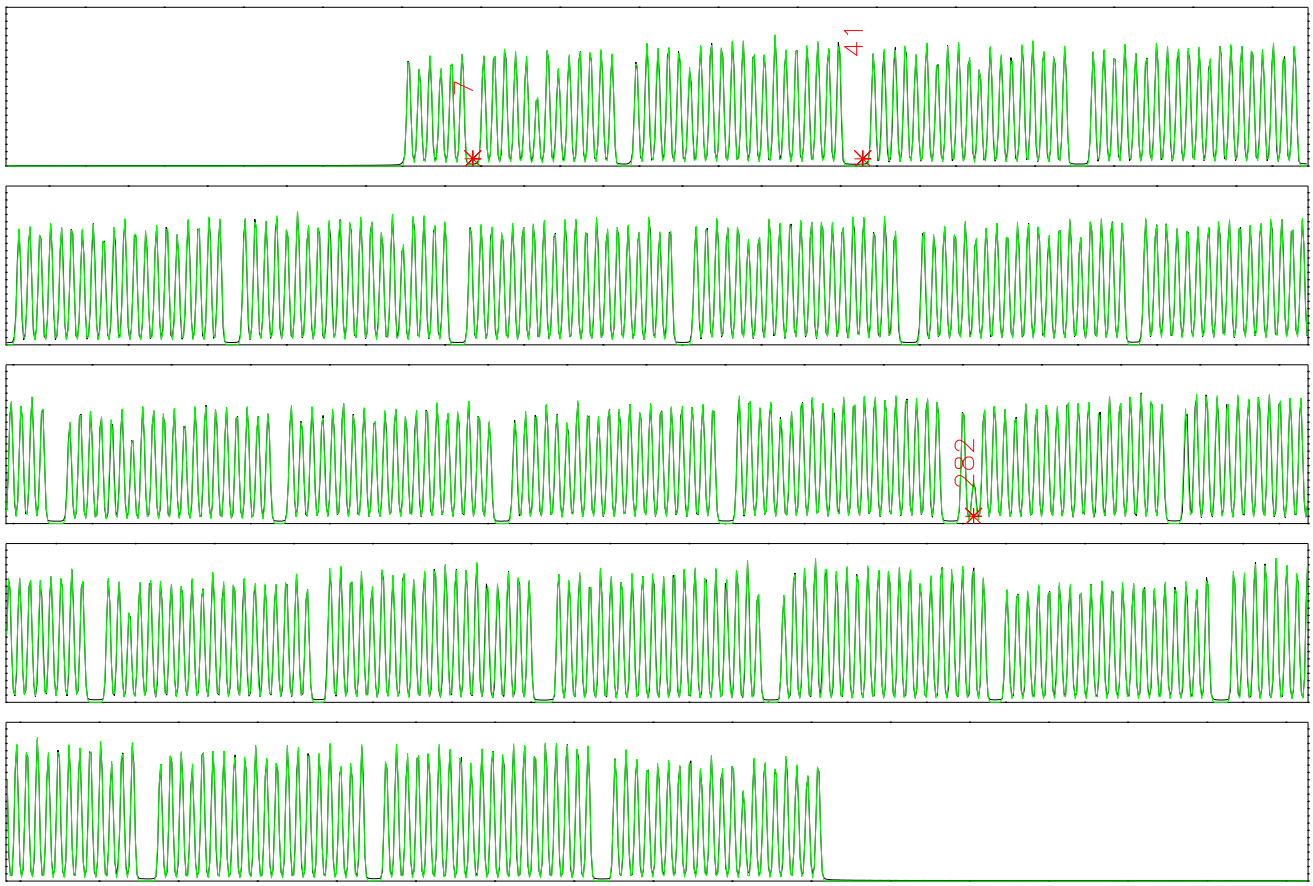

PLATE=3980 MJD=55331 sdR-r1-00115346.fit Skyline Flux at 7343,0
Flux (7343.0)/Airmass
RED = sky fiber
Dispersion = 2.07 %
Fiber number
Flux (7343.0)/Airmass
Focal Distance [mm]
Flux (7343.0)/Airmass
Airmass


PLATE=3980 MJD=55331 sdR-r1-00115346.fit Skyline Flux at 8888.3
Flux (8888.3)/Airmass
Fiber number
RED = sky fiber
Dispersion = 1.27 %
Flux (8888.3)/Airmass
Focal Distance [mm]
Flux (8888.3)/Airmass
Airmass

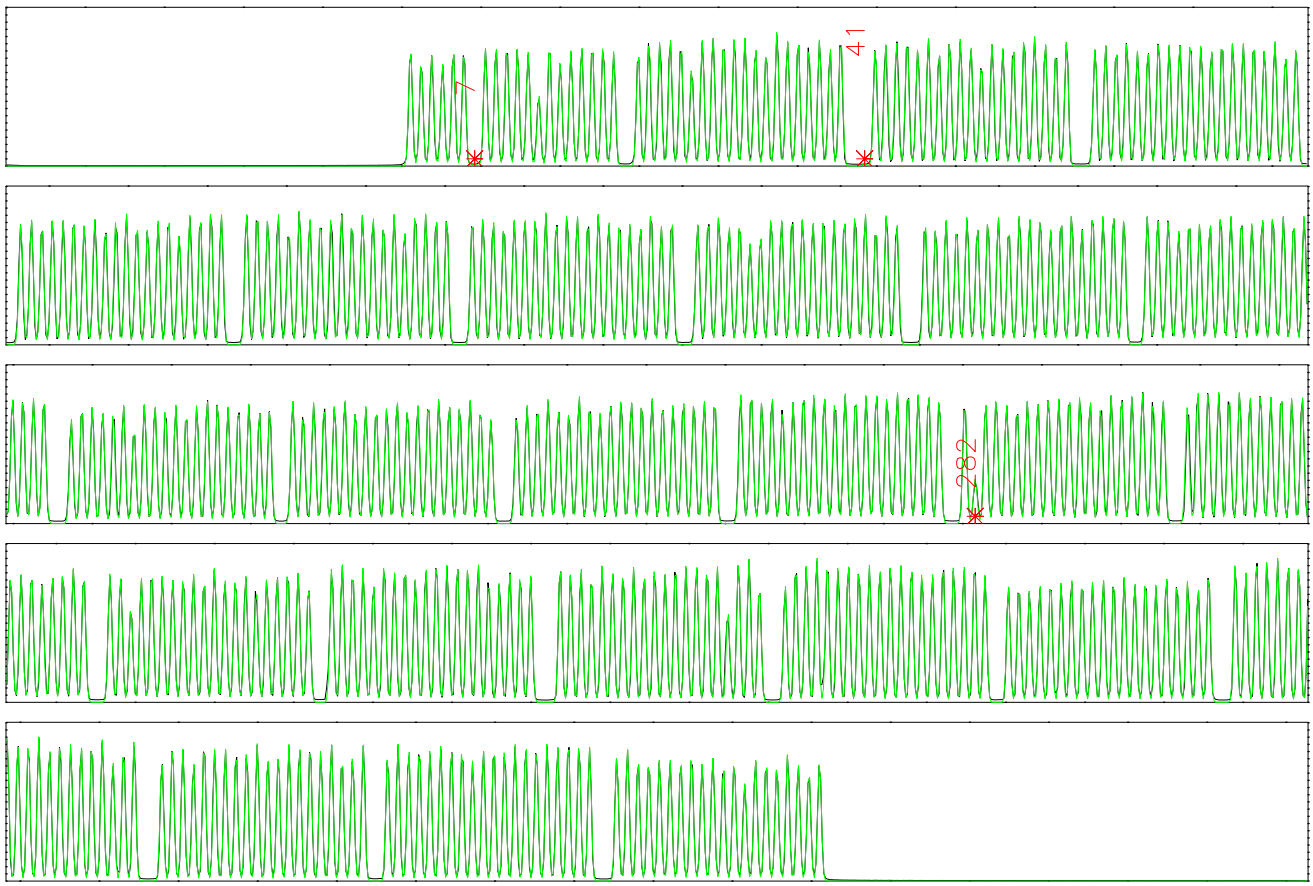
PLATE=3980 MJD=55331 Traces sdR-r2-00115334.fit



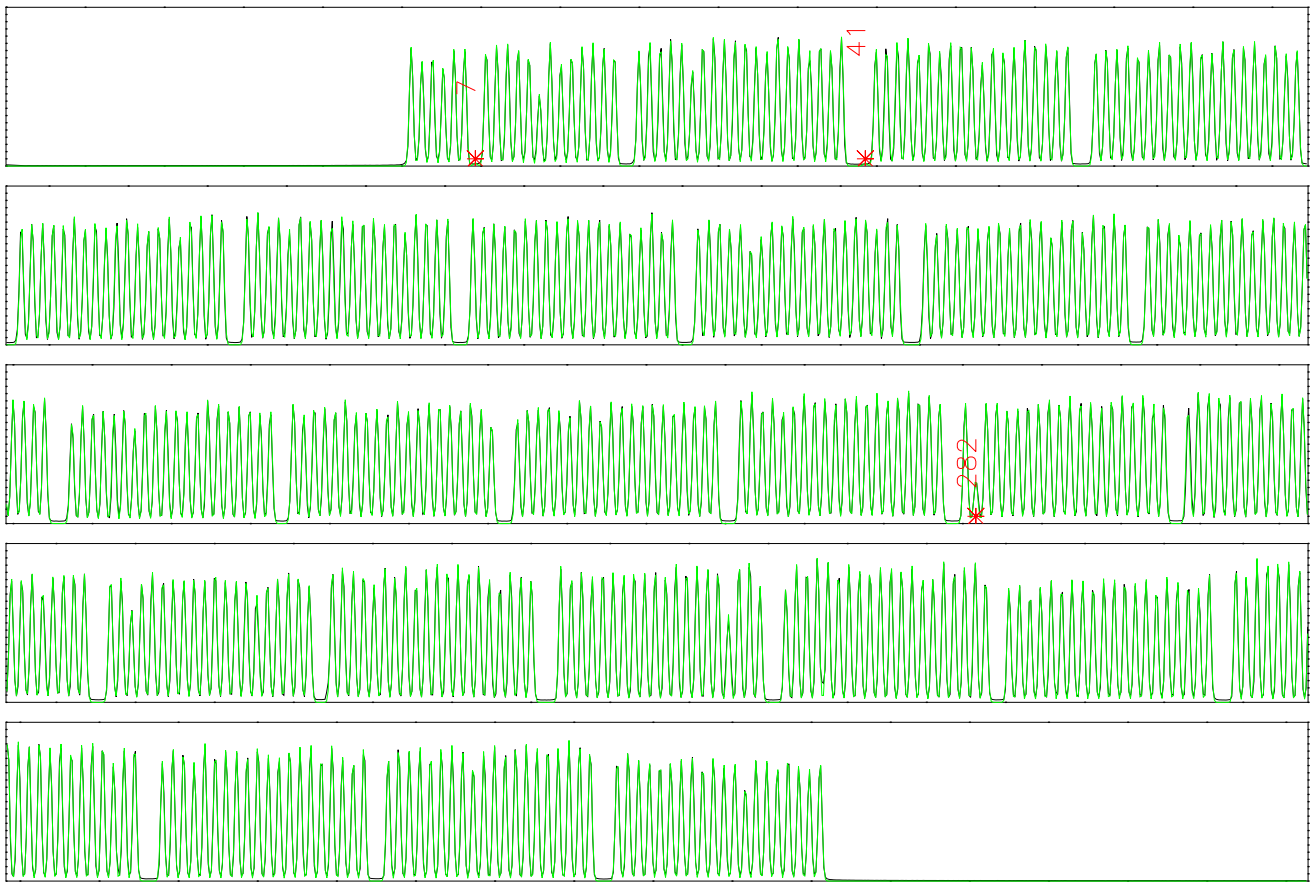
PLATE=3980 MJD=55331 Traces sdR-r2-00115338.fit

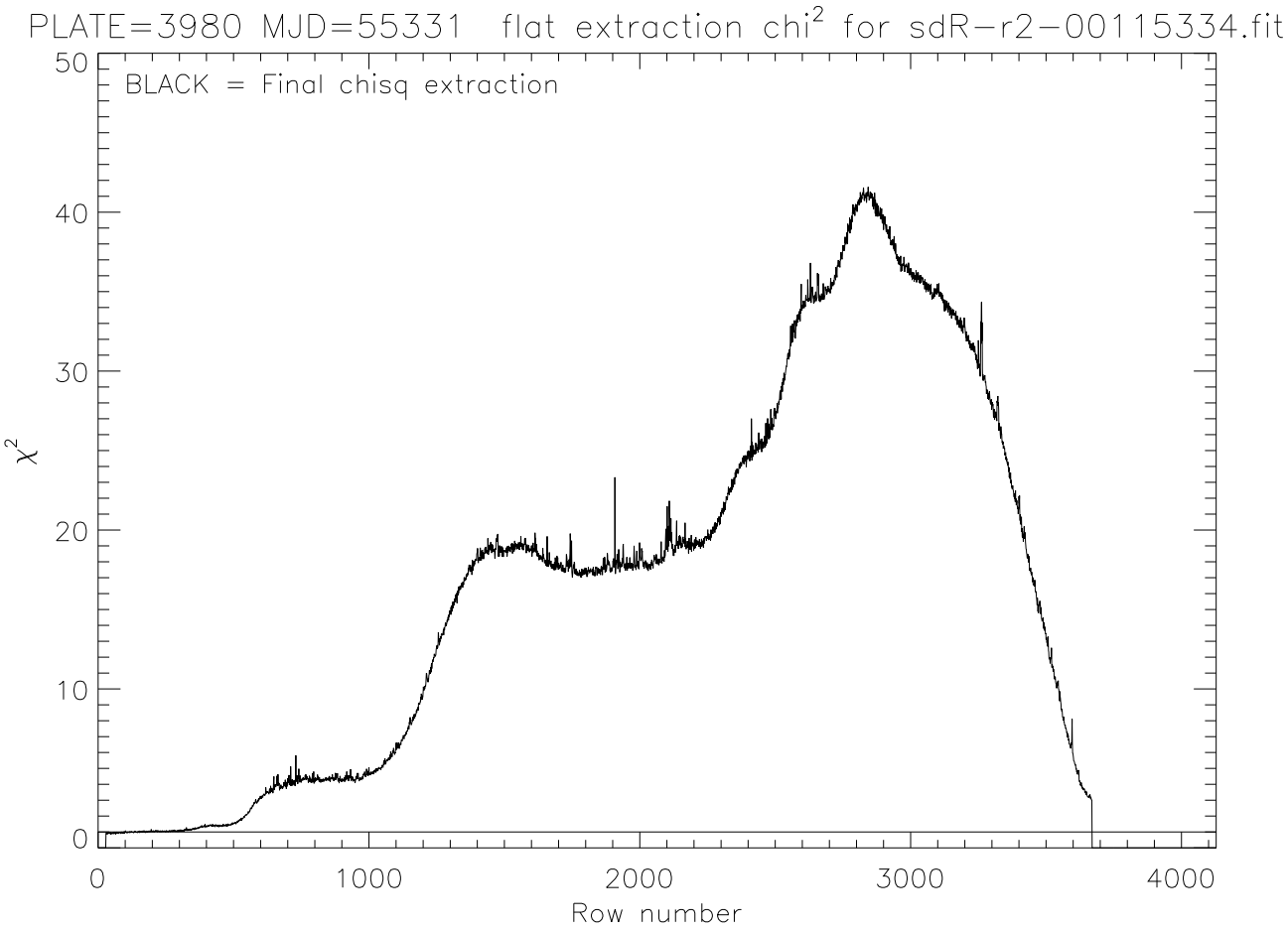


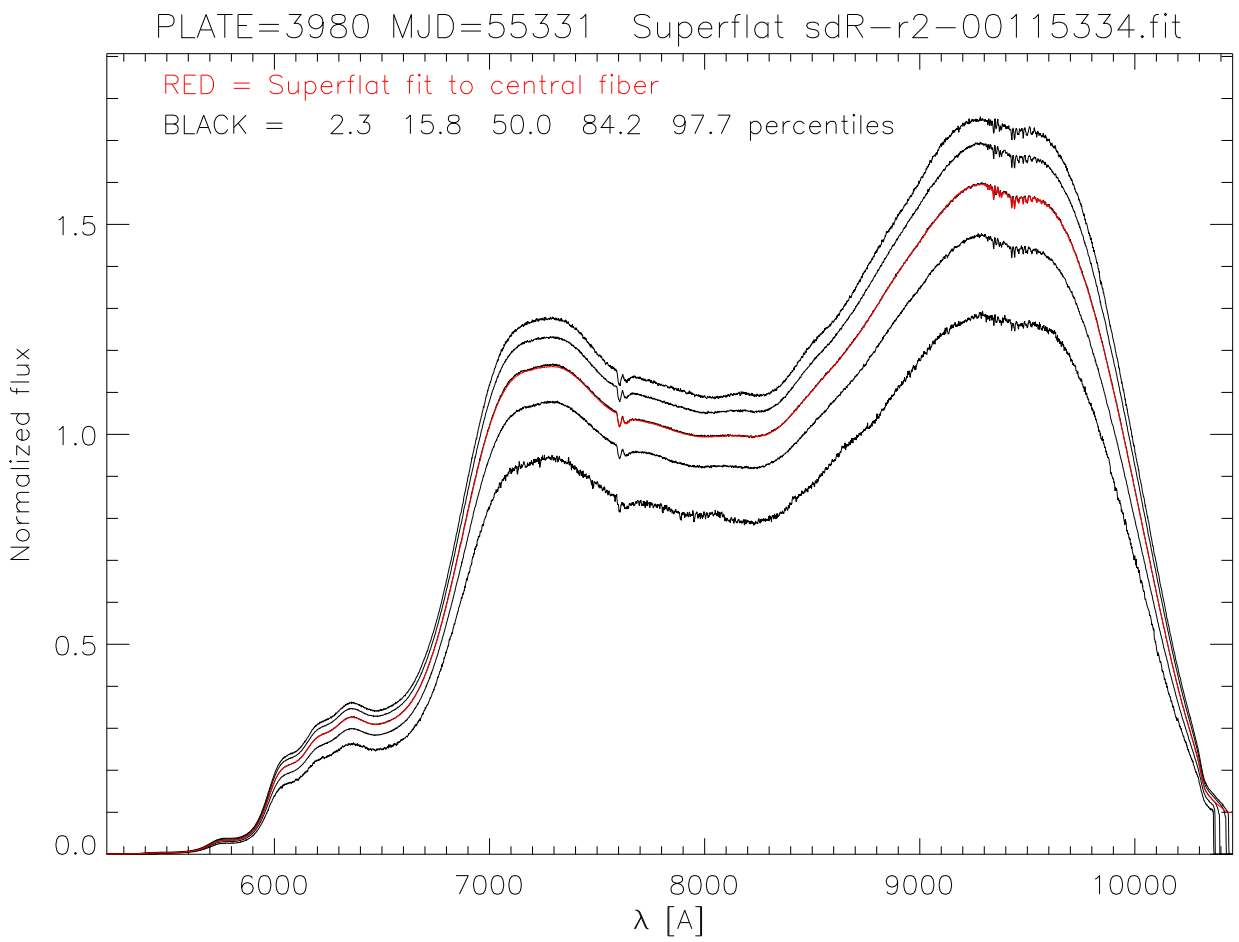
PLATE=3980 MJD=55331 Traces sdR-r2-00115342.fit

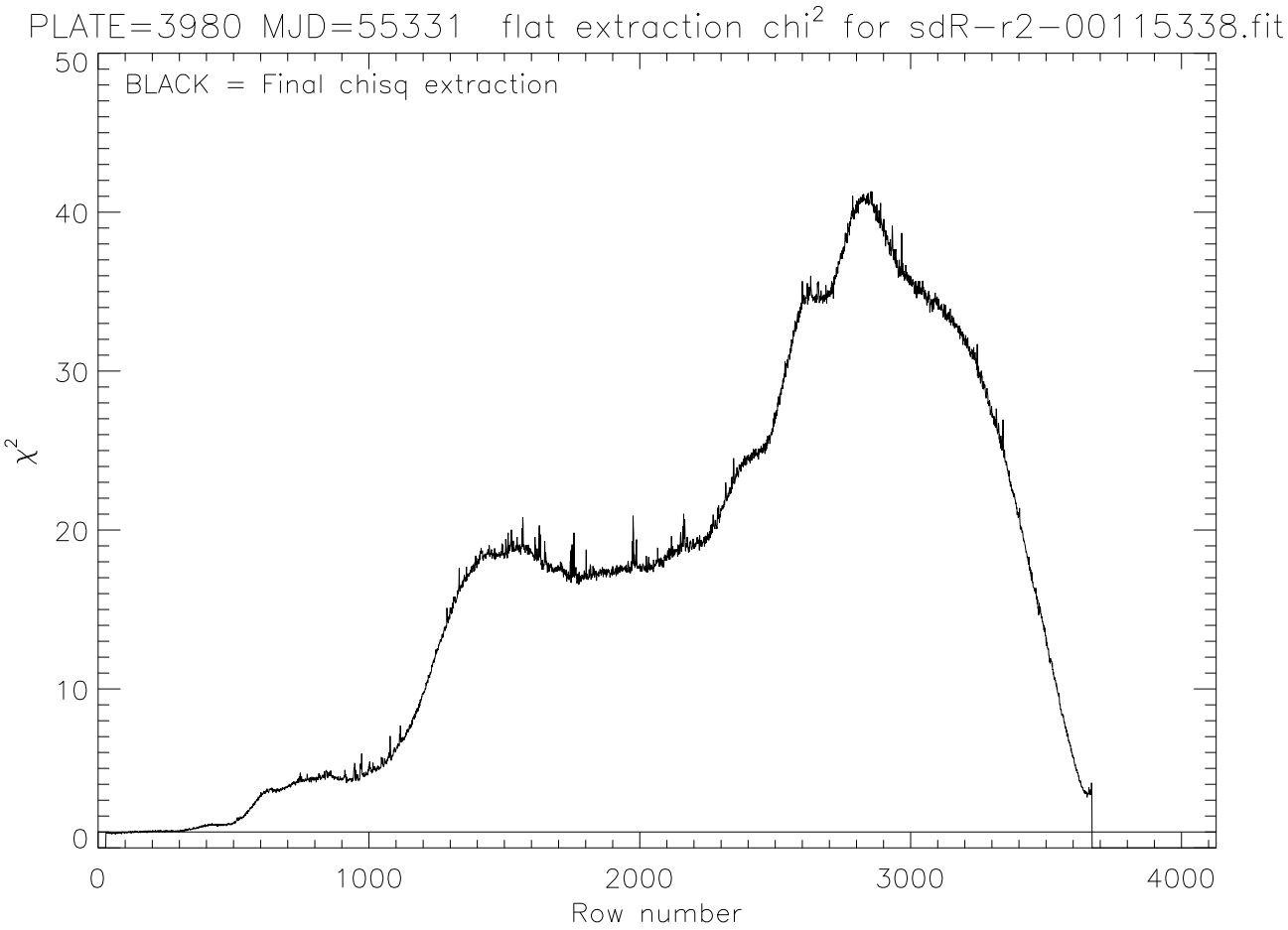


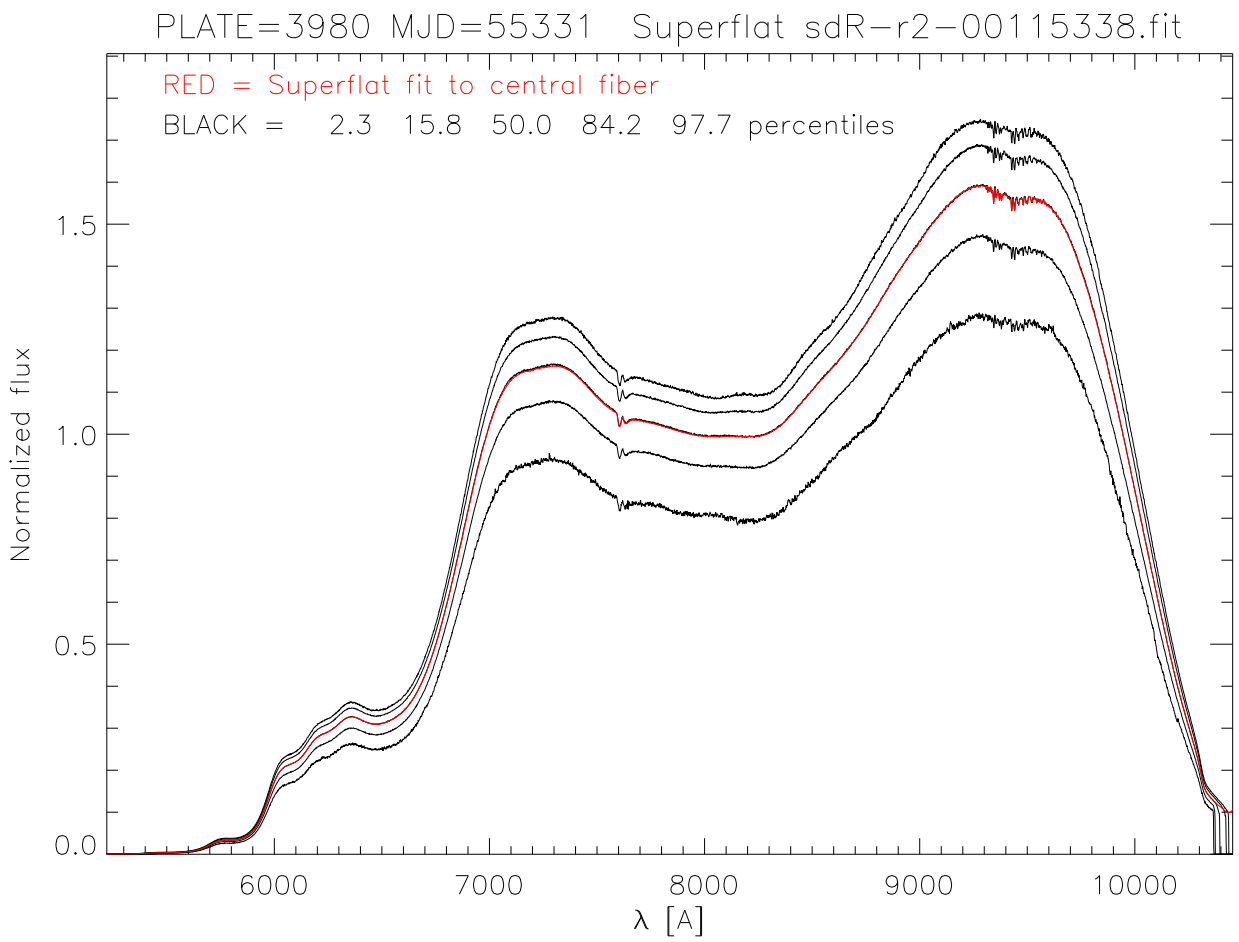
PLATE=3980 MJD=55331 Traces sdR-r2-00115347.fit

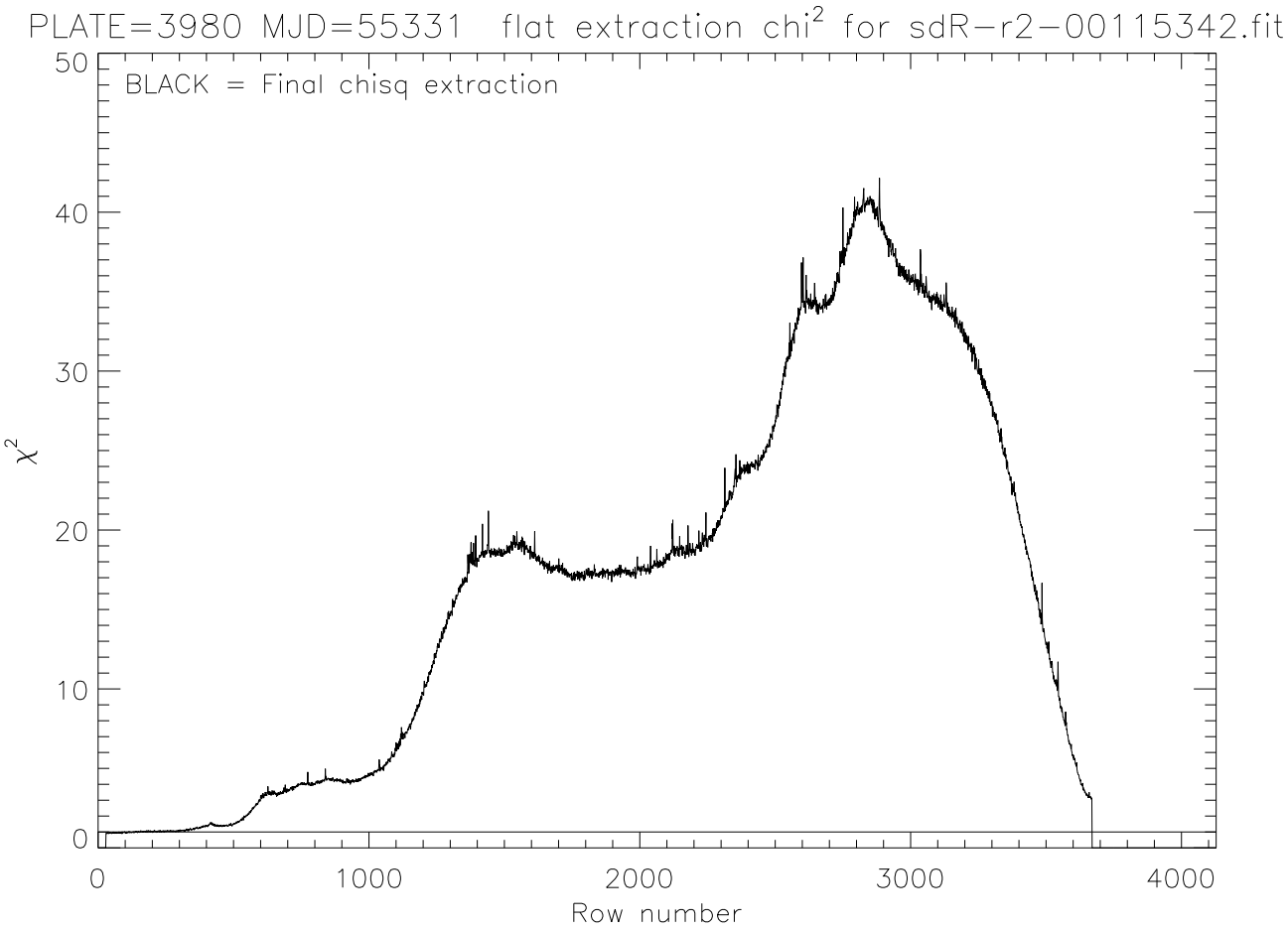


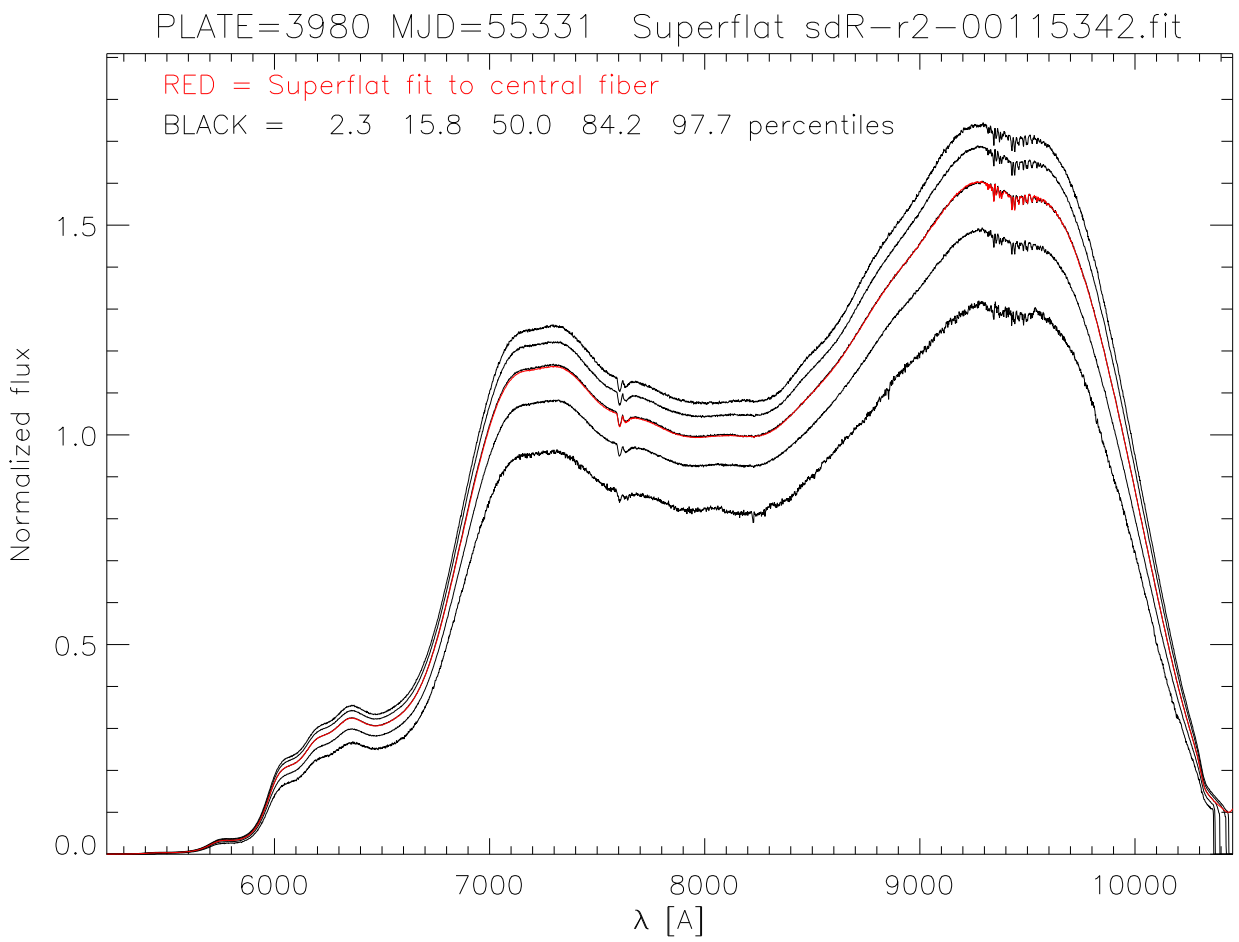

PLATE=3980 MJD=55331 flat extraction chi^2 for sdR−r2−00115334.fit
BLACK = Final chisq extraction
χ^2
Row number
0
10
20
30
40
50
0
1000
2000
3000
4000

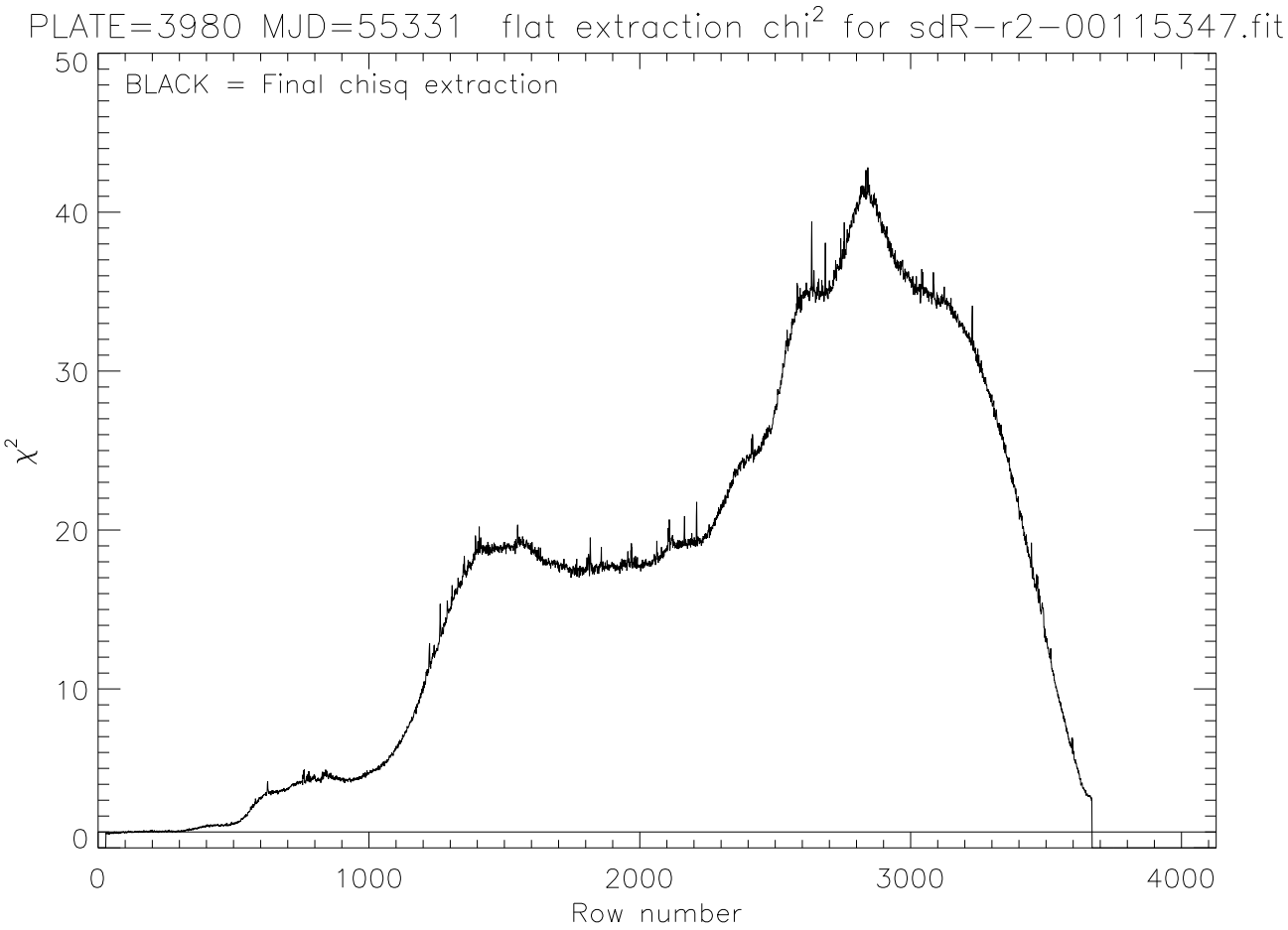

PLATE=3980 MJD=55331 Superflat sdR-r2-00115334.fit
RED = Superflat fit to central fiber
BLACK = 2.3 15.8 50.0 84.2 97.7 percentiles
Normalized flux
0.0
0.5
1.0
1.5
6000
7000
8000
9000
10000
λ [A]

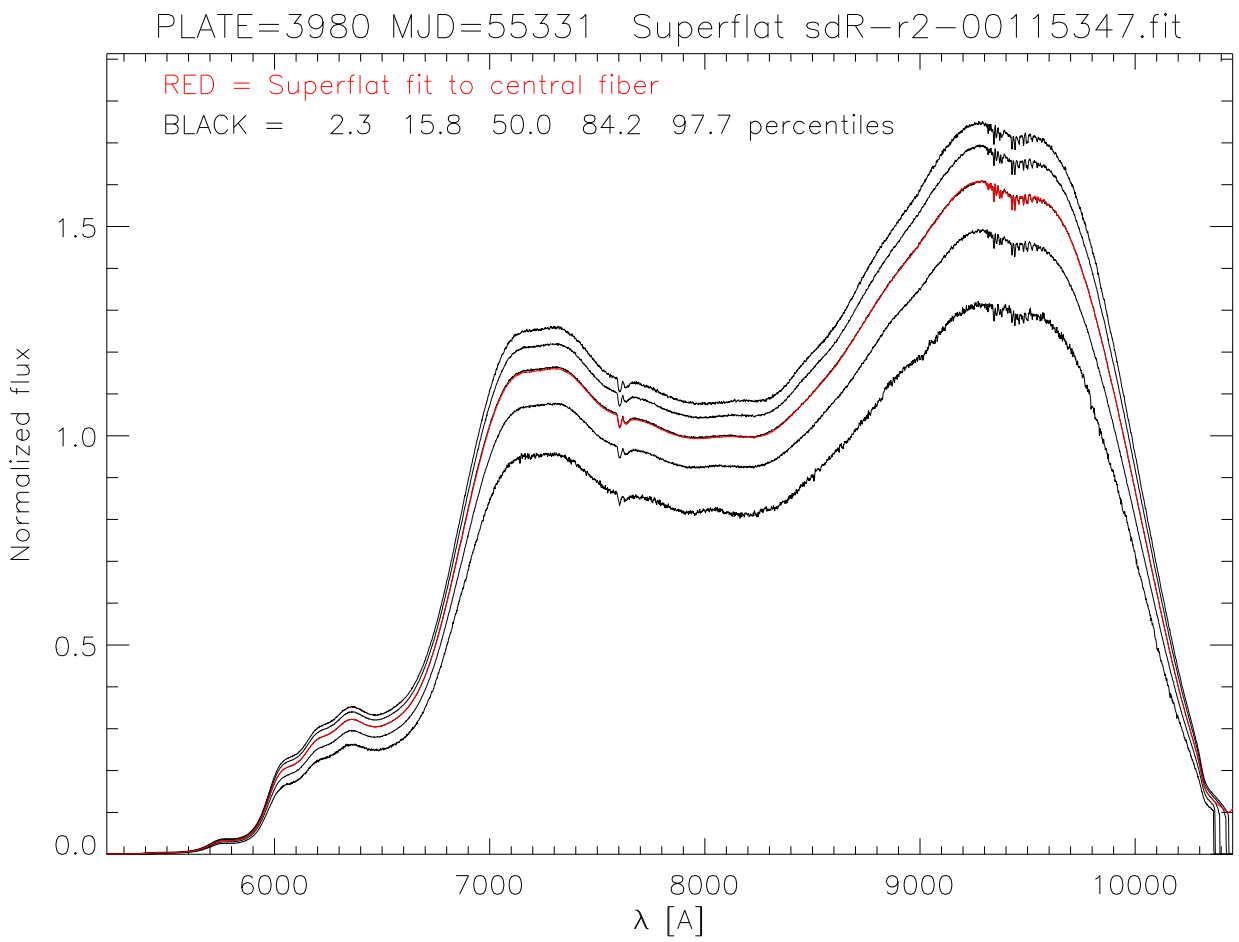

PLATE=3980 MJD=55331 flat extraction chi^2 for sdR−r2−00115338.fit
BLACK = Final chisq extraction
χ^2
Row number
0
10
20
30
40
50
0
1000
2000
3000
4000

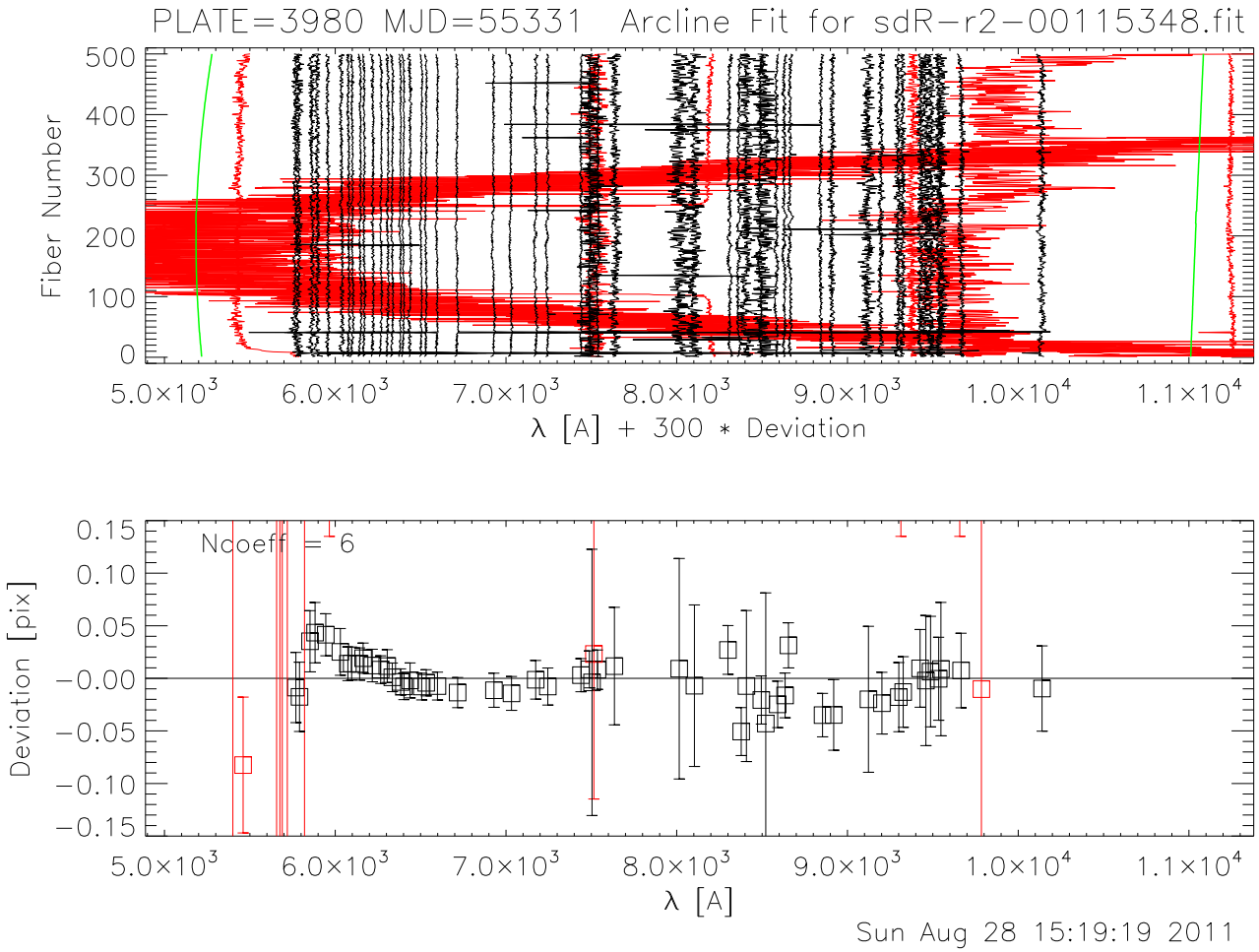

PLATE=3980 MJD=55331 Superflat sdR-r2-00115338.fit
RED = Superflat fit to central fiber
BLACK = 2.3 15.8 50.0 84.2 97.7 percentiles
Normalized flux
0.0
0.5
1.0
1.5
6000
7000
8000
9000
10000
λ [A]

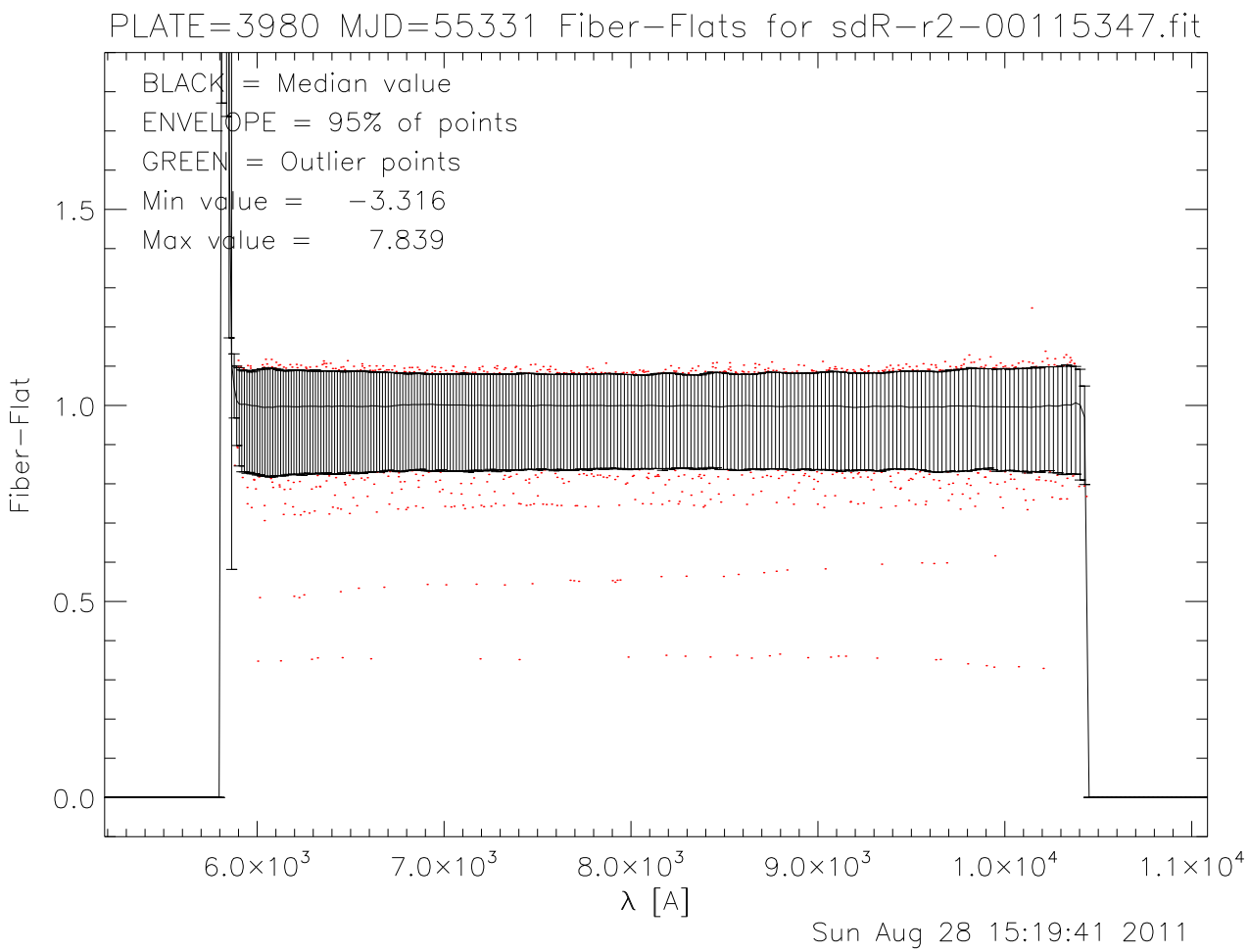

PLATE=3980 MJD=55331 flat extraction chi^2 for sdR−r2−00115342.fit
BLACK = Final chisq extraction
χ^2
Row number
0
10
20
30
40
50
0
1000
2000
3000
4000

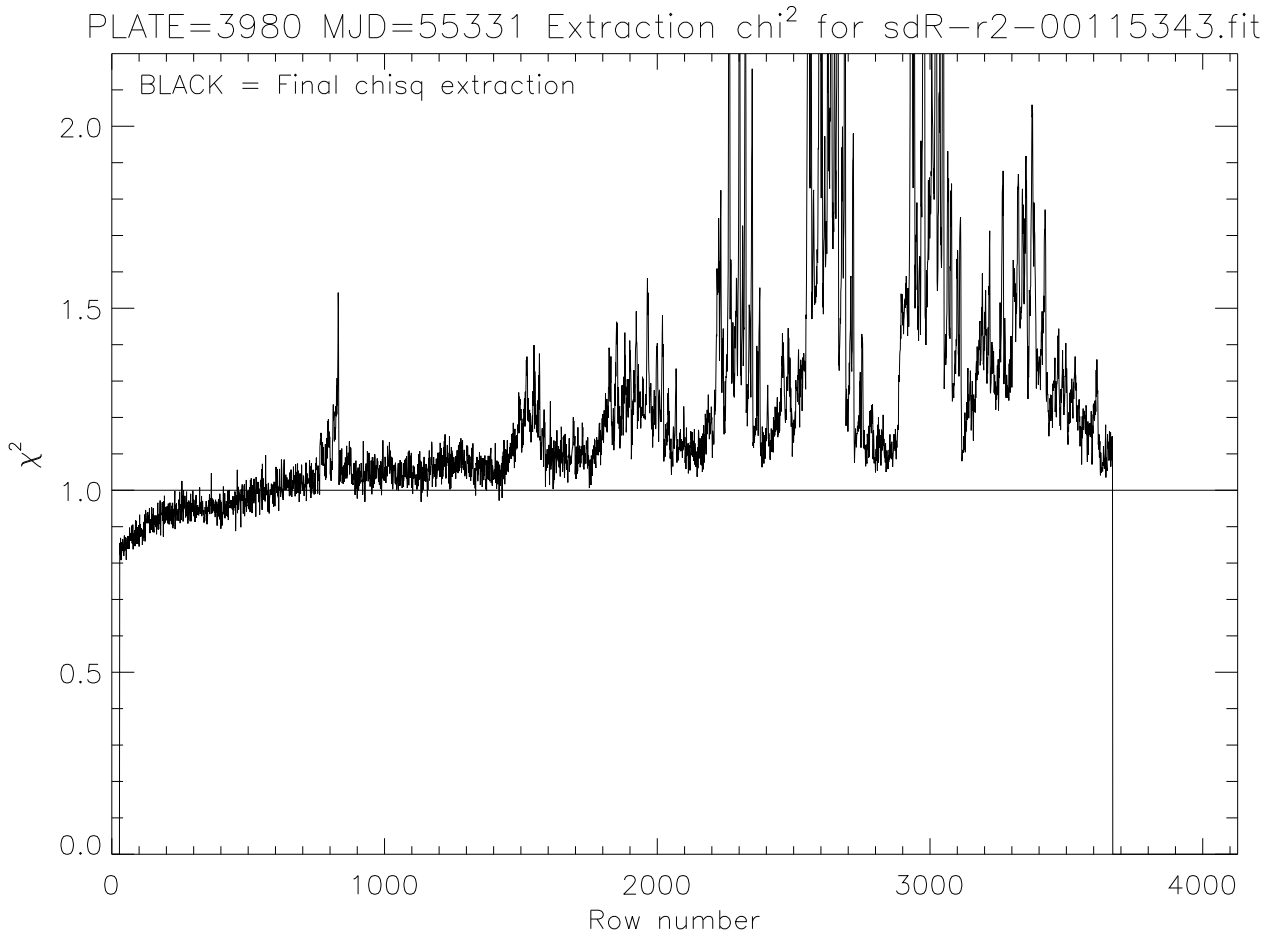

PLATE=3980 MJD=55331 Superflat sdR-r2-00115342.fit
RED = Superflat fit to central fiber
BLACK = 2.3 15.8 50.0 84.2 97.7 percentiles
Normalized flux
0.0
0.5
1.0
1.5
6000
7000
8000
9000
10000
λ [A]

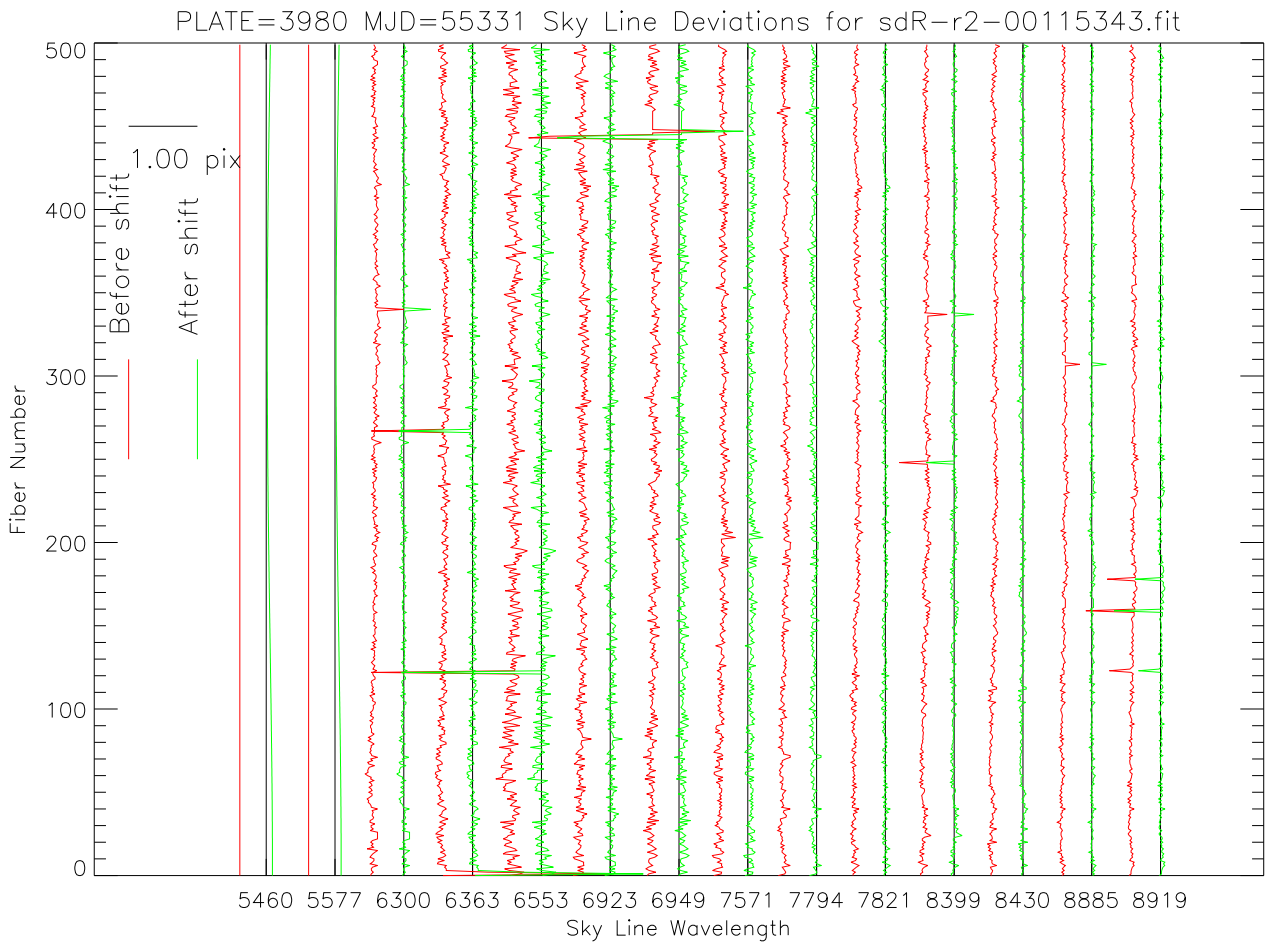

PLATE=3980 MJD=55331 flat extraction chi^2 for sdR−r2−00115347.fit
BLACK = Final chisq extraction
χ^2
Row number
0
10
20
30
40
50
0
1000
2000
3000
4000

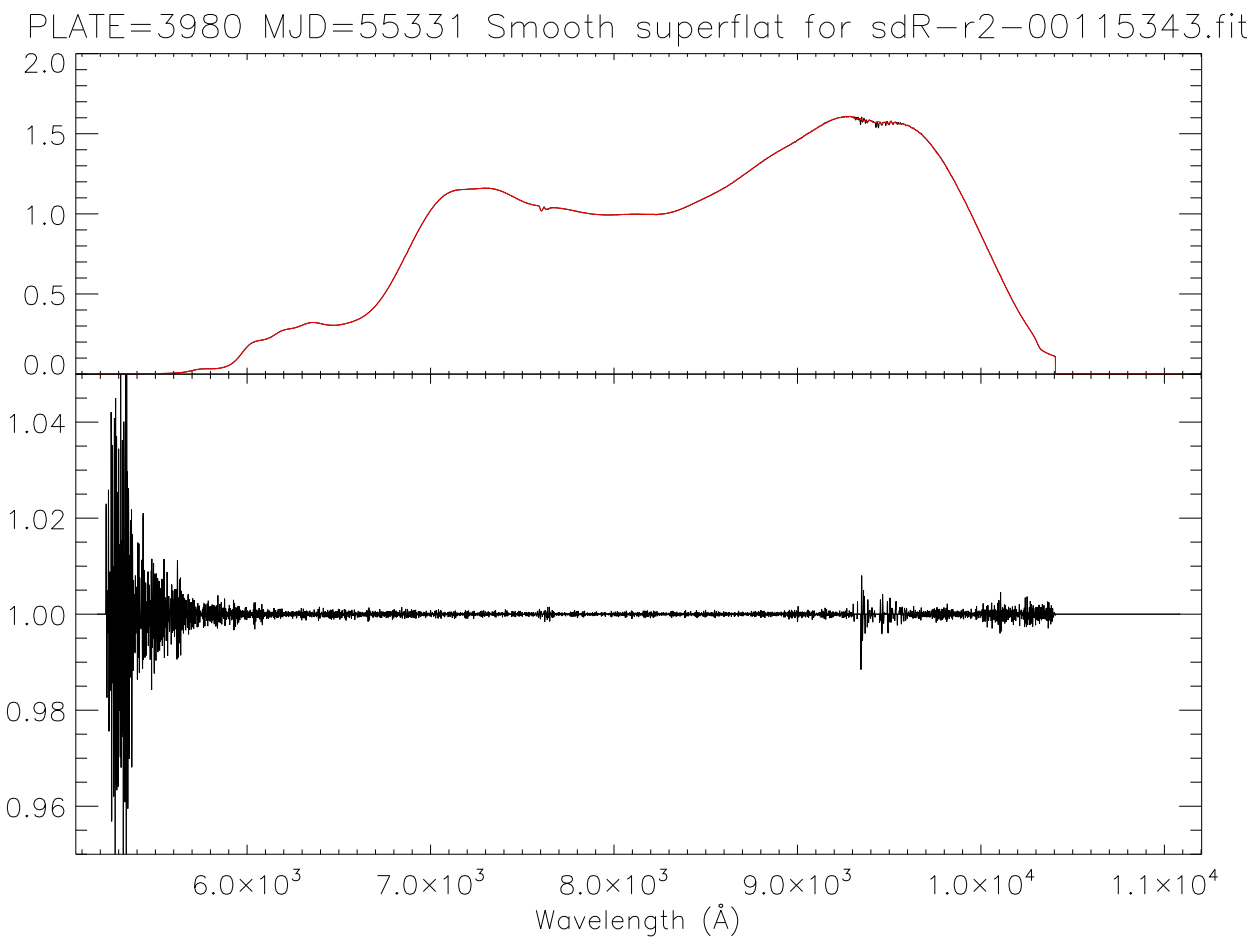

PLATE=3980 MJD=55331 Superflat sdR-r2-00115347.fit
RED = Superflat fit to central fiber
BLACK = 2.3 15.8 50.0 84.2 97.7 percentiles
Normalized flux
0.0
0.5
1.0
1.5
6000
7000
8000
9000
10000
λ [A]

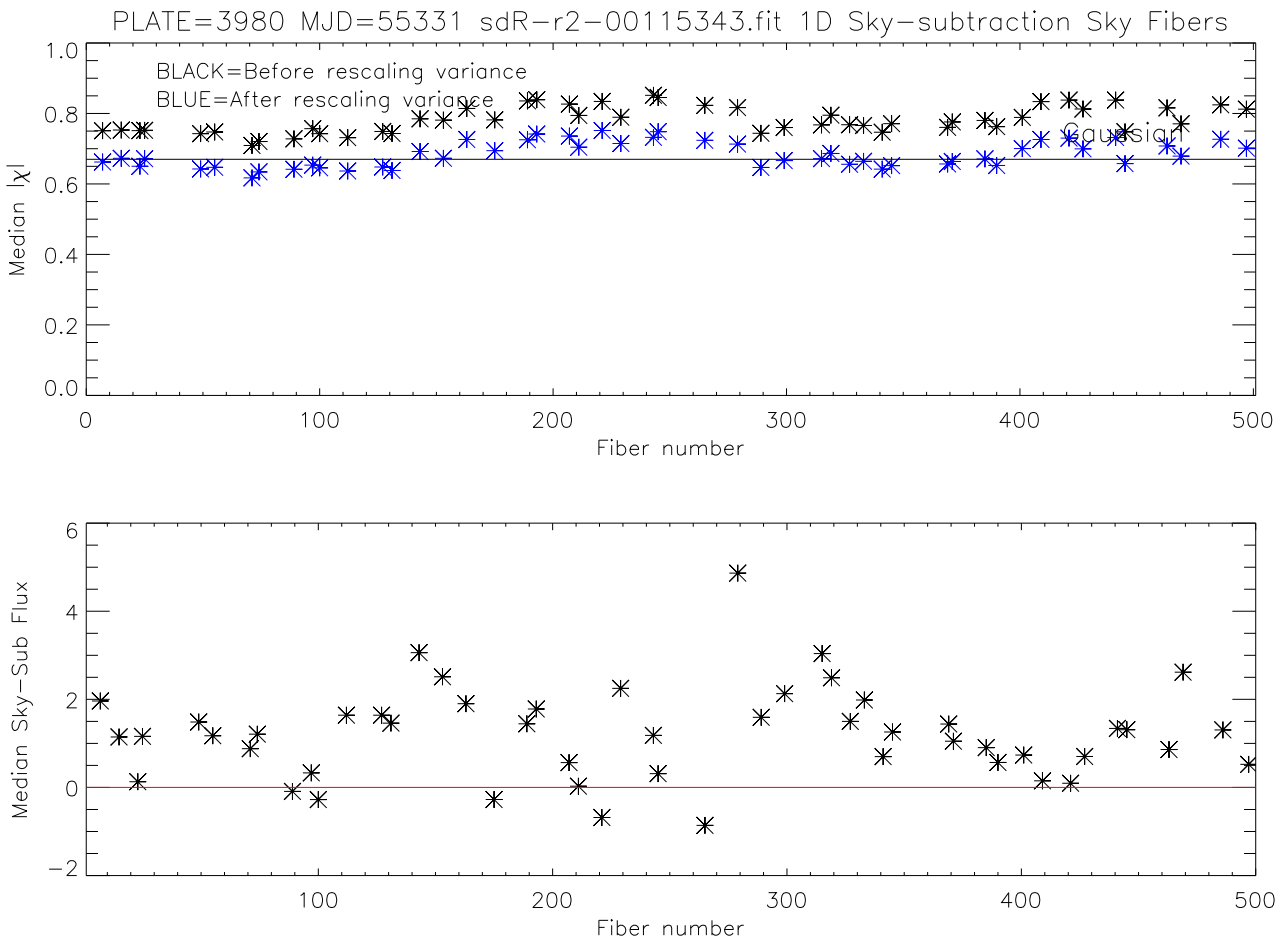

PLATE=3980 MJD=55331 Arcline Fit for sdR-r2-00115348.fit
Fiber Number
500
400
300
200
100
0
5.0×10^3
6.0×10^3
7.0×10^3
8.0×10^3
9.0×10^3
1.0×10^4
1.1×10^4
λ [A] + 300 * Deviation
Deviation [pix]
0.15
0.10
0.05
−0.00
−0.05
−0.10
−0.15
Ncoeff = 6
λ [A]
Sun Aug 28 15:19:19 2011

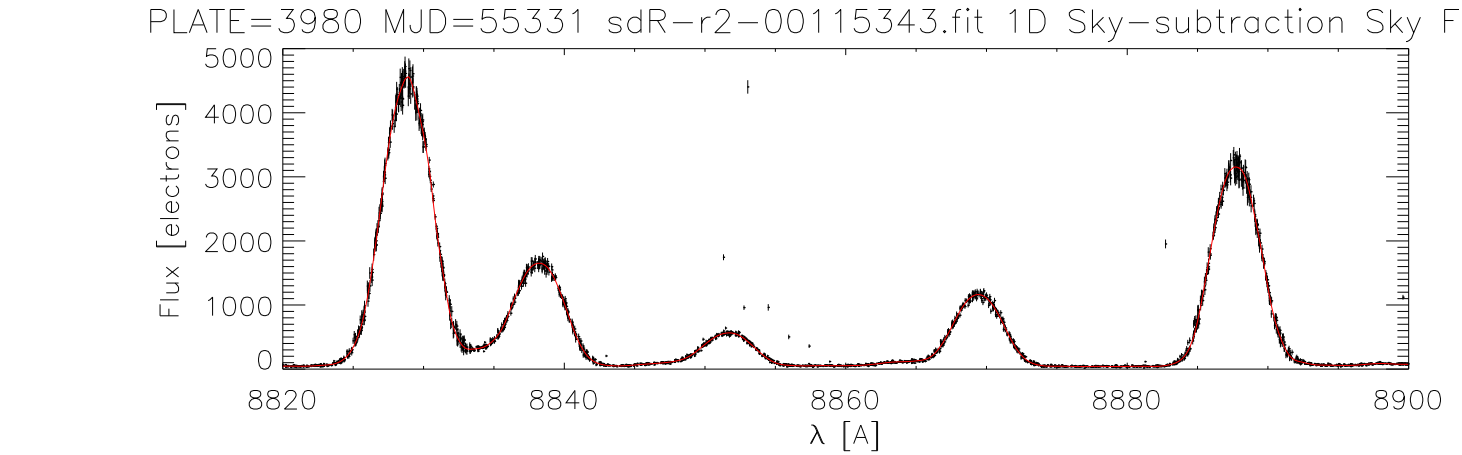

PLATE=3980 MJD=55331 Fiber−Flats for sdR−r2−00115347.fit
BLACK = Median value
ENVELOPE = 95% of points
GREEN = Outlier points
Min value = −3.316
Max value = 7.839
Fiber−Flat
1.5
1.0
0.5
0.0
6.0×10^3
7.0×10^3
8.0×10^3
9.0×10^3
1.0×10^4
1.1×10^4
λ [A]
Sun Aug 28 15:19:41 2011

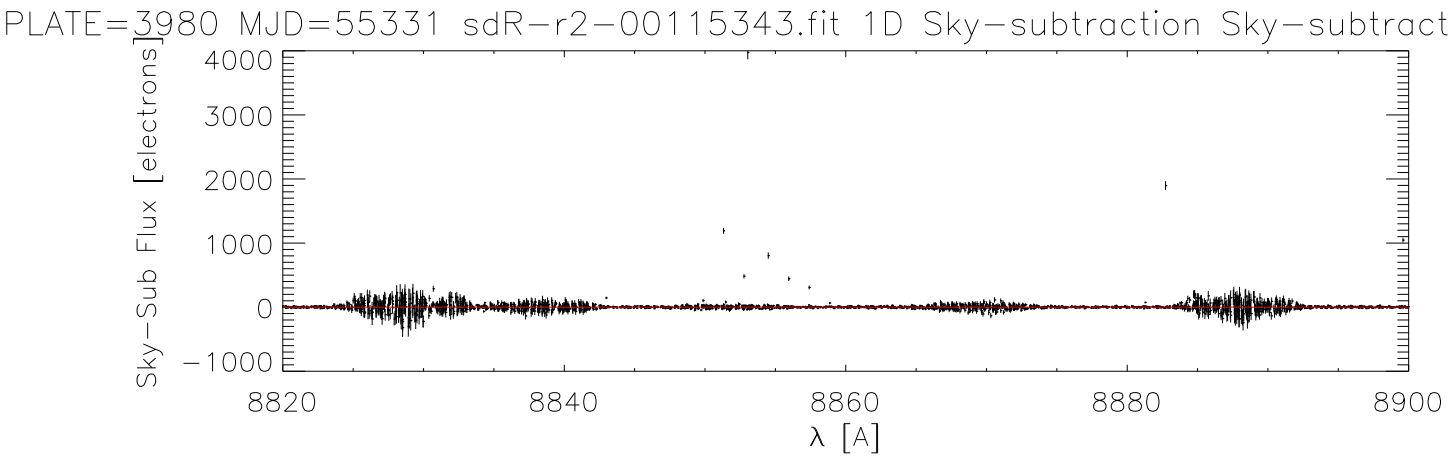

PLATE=3980 MJD=55331 Extraction chi^2 for sdR−r2−00115343.fit
BLACK = Final chisq extraction
2.0
1.5
1.0
0.5
0.0
χ^2
0
1000
2000
3000
4000
Row number


PLATE=3980 MJD=55331 Sky Line Deviations for sdR-r2-00115343.fit
Before shift
After shift
1.00 pix
Fiber Number
0
100
200
300
400
500
5460 5577 6300 6363 6553 6923 6949 7571 7794 7821 8399 8430 8885 8919
Sky Line Wavelength

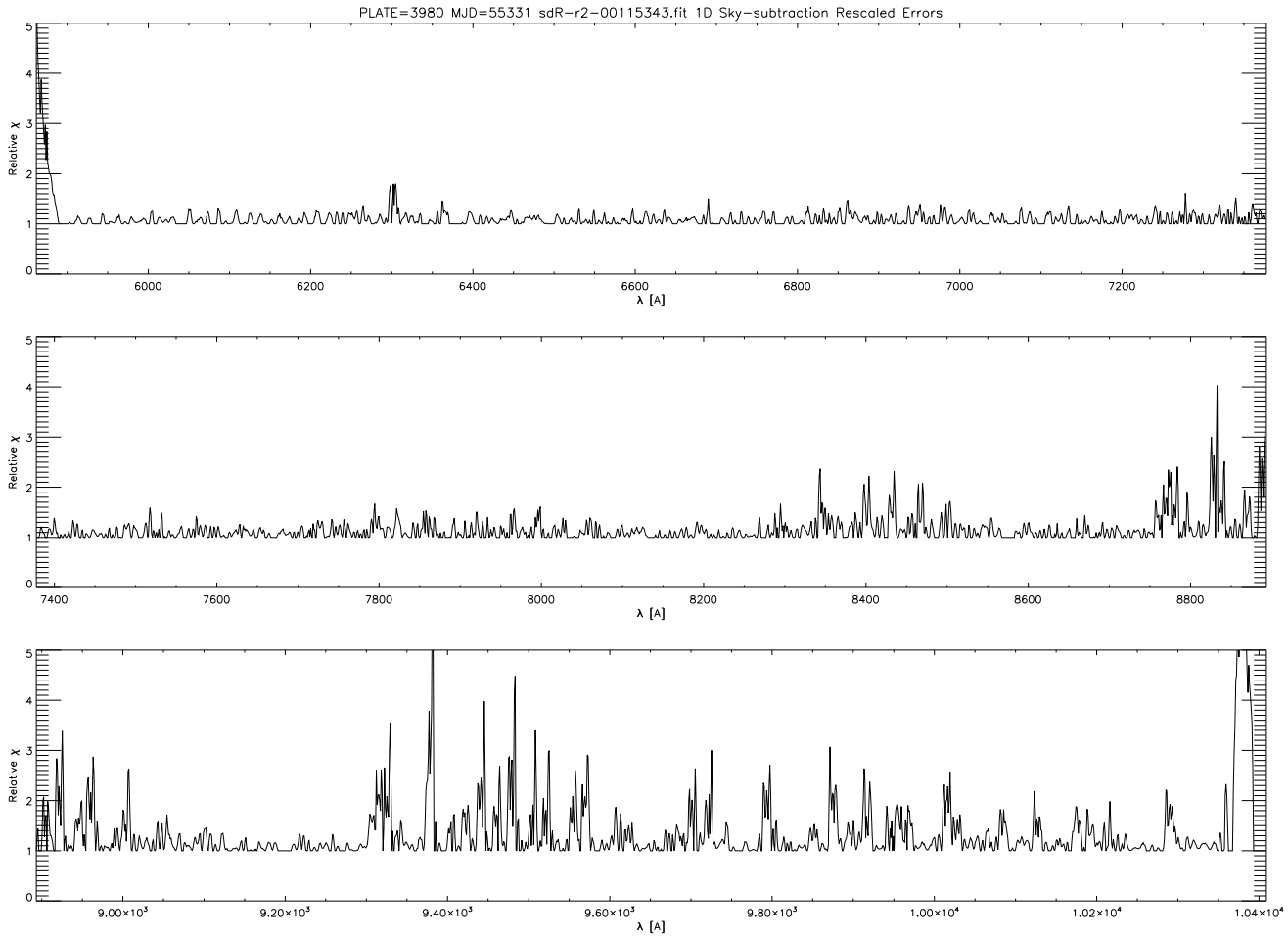

PLATE=3980 MJD=55331 Smooth superflat for sdR-r2-00115343.fit
2.0
1.5
1.0
0.5
0.0
1.04
1.02
1.00
0.98
0.96
6.0×10^3
7.0×10^3
8.0×10^3
9.0×10^3
1.0×10^4
1.1×10^4
Wavelength (Å)

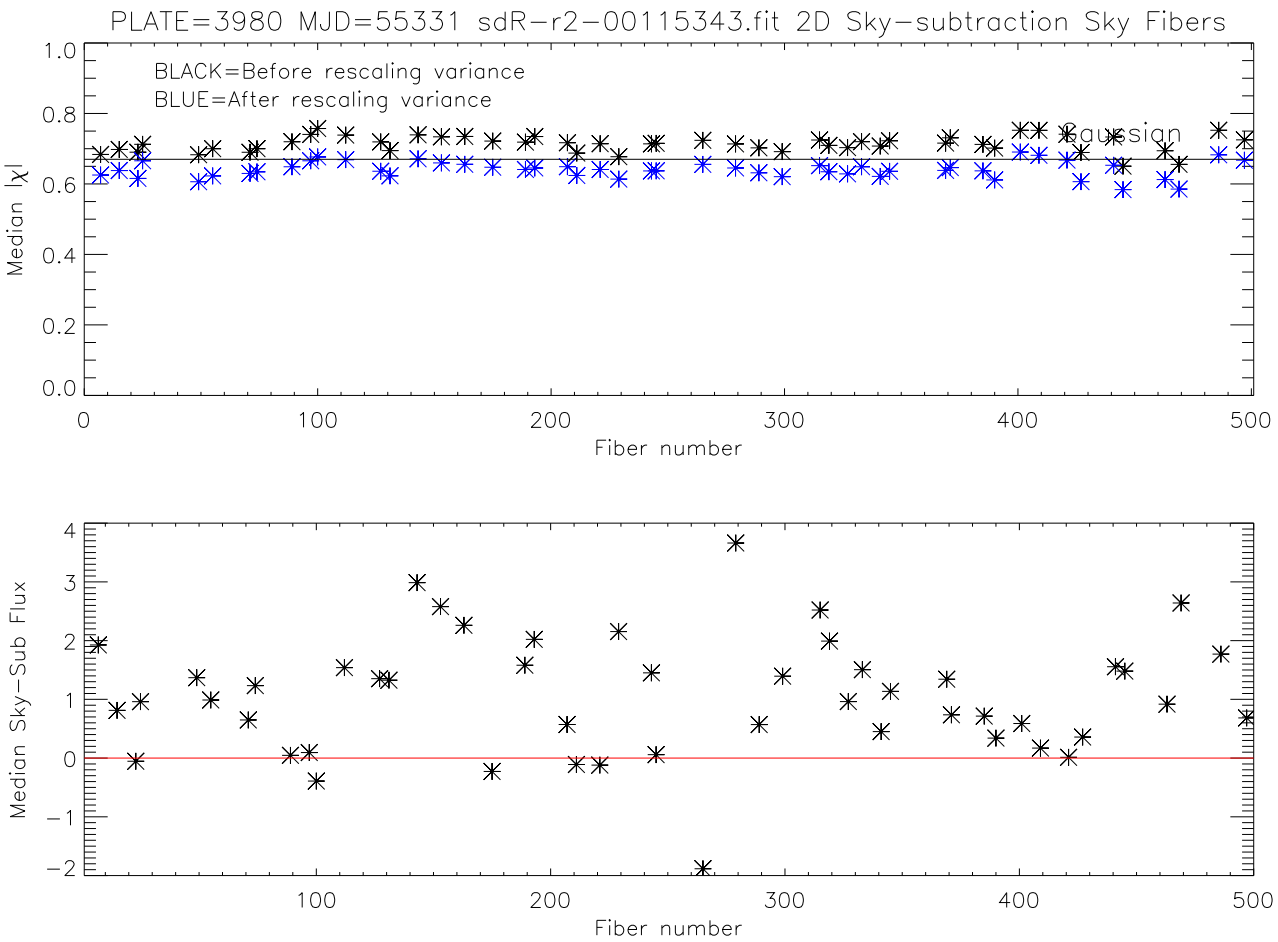

PLATE=3980 MJD=55331 sdR-r2-00115343.fit 1D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

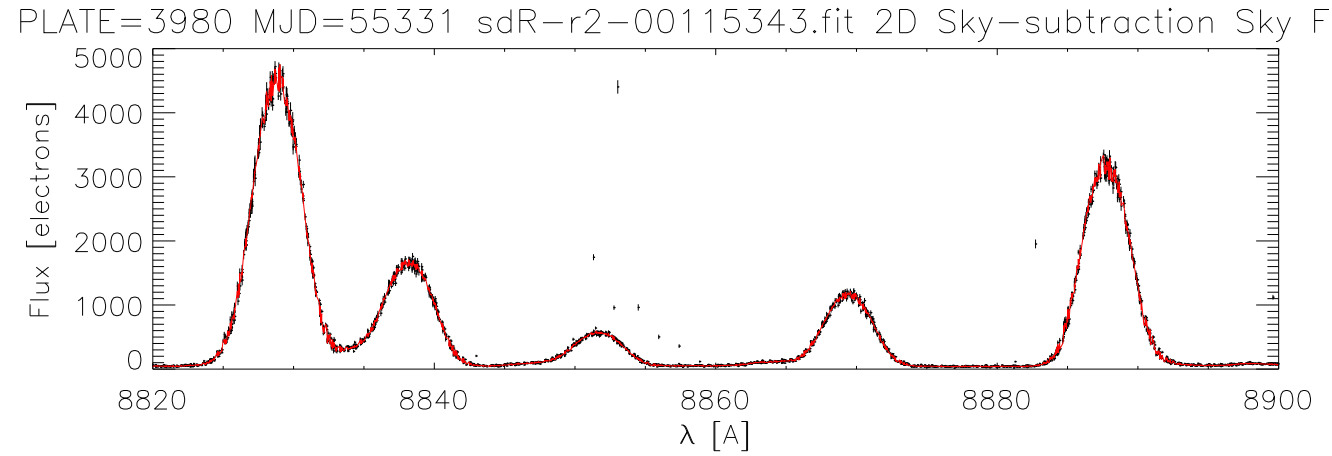

PLATE=3980 MJD=55331 sdR-r2-00115343.fit 1D Sky-subtraction Sky Fibers
Flux [electrons]
5000
4000
3000
2000
1000
0
8820
8840
8860
8880
8900
λ [A]

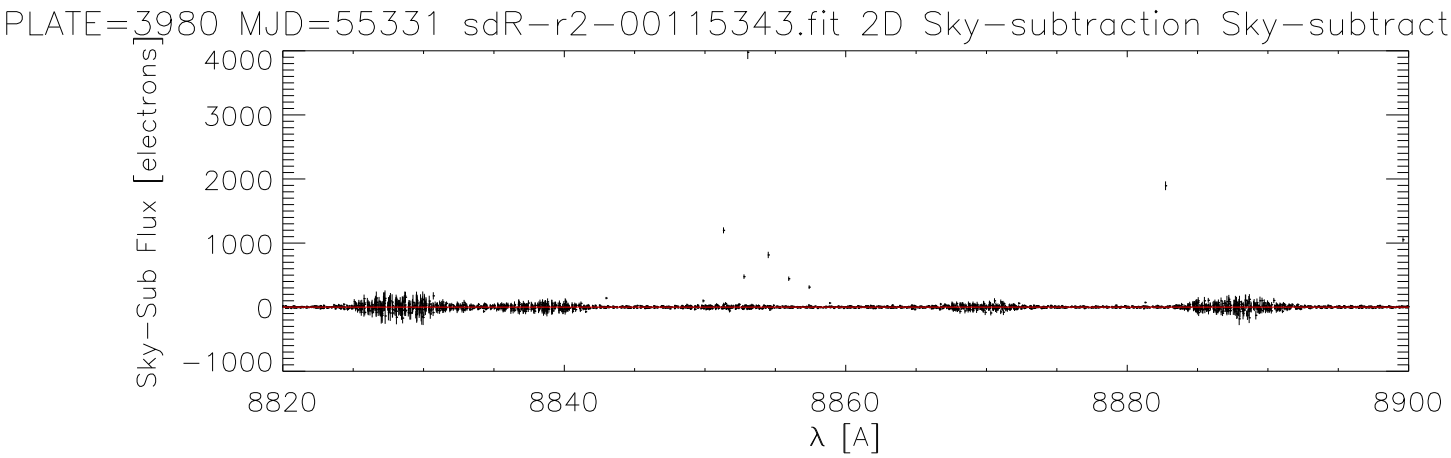

PLATE=3980 MJD=55331 sdR-r2-00115343.fit 1D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
4000
3000
2000
1000
0
-1000
8820
8840
8860
8880
8900
λ [A]

Number of sky fibers = 50

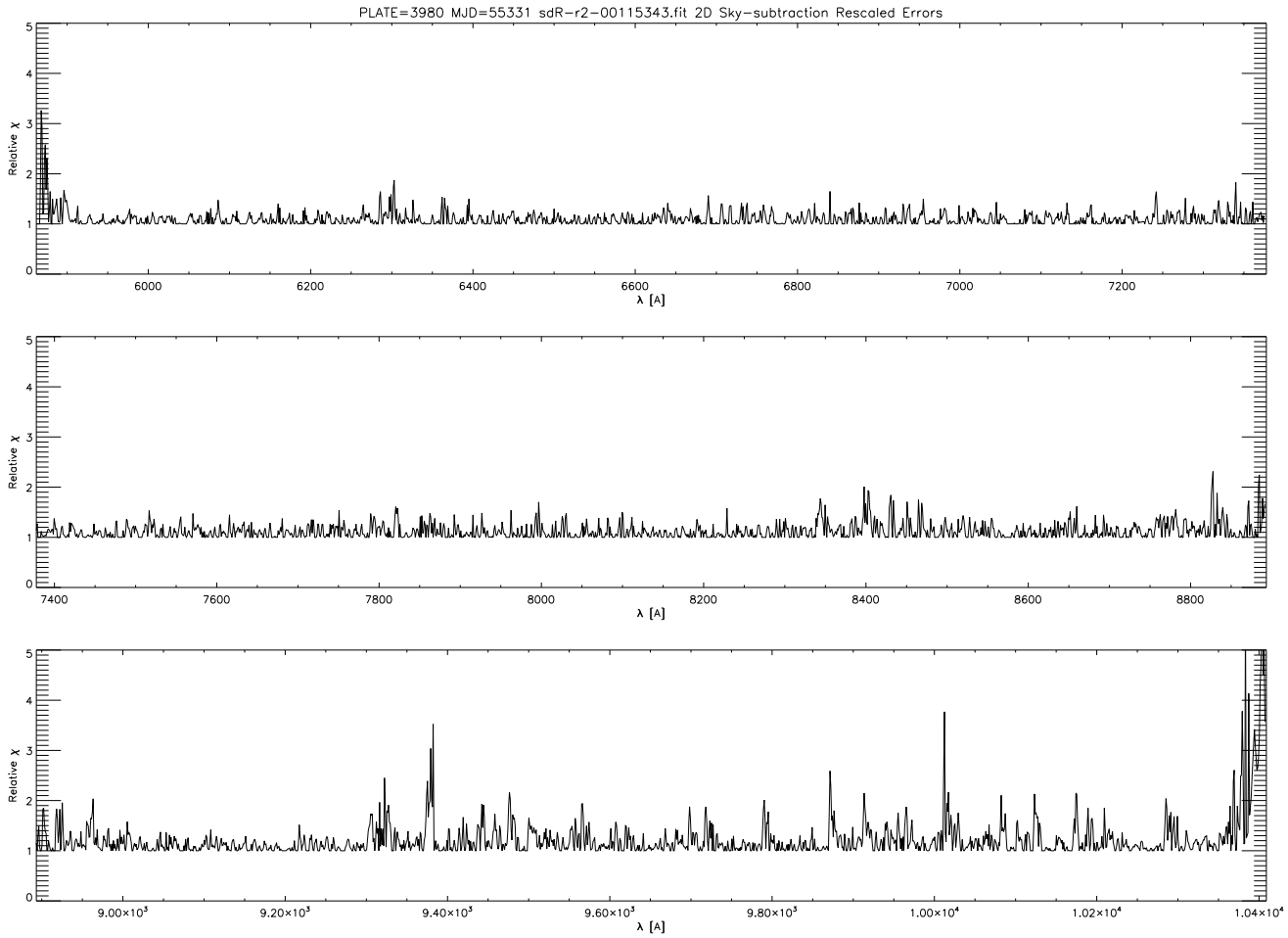


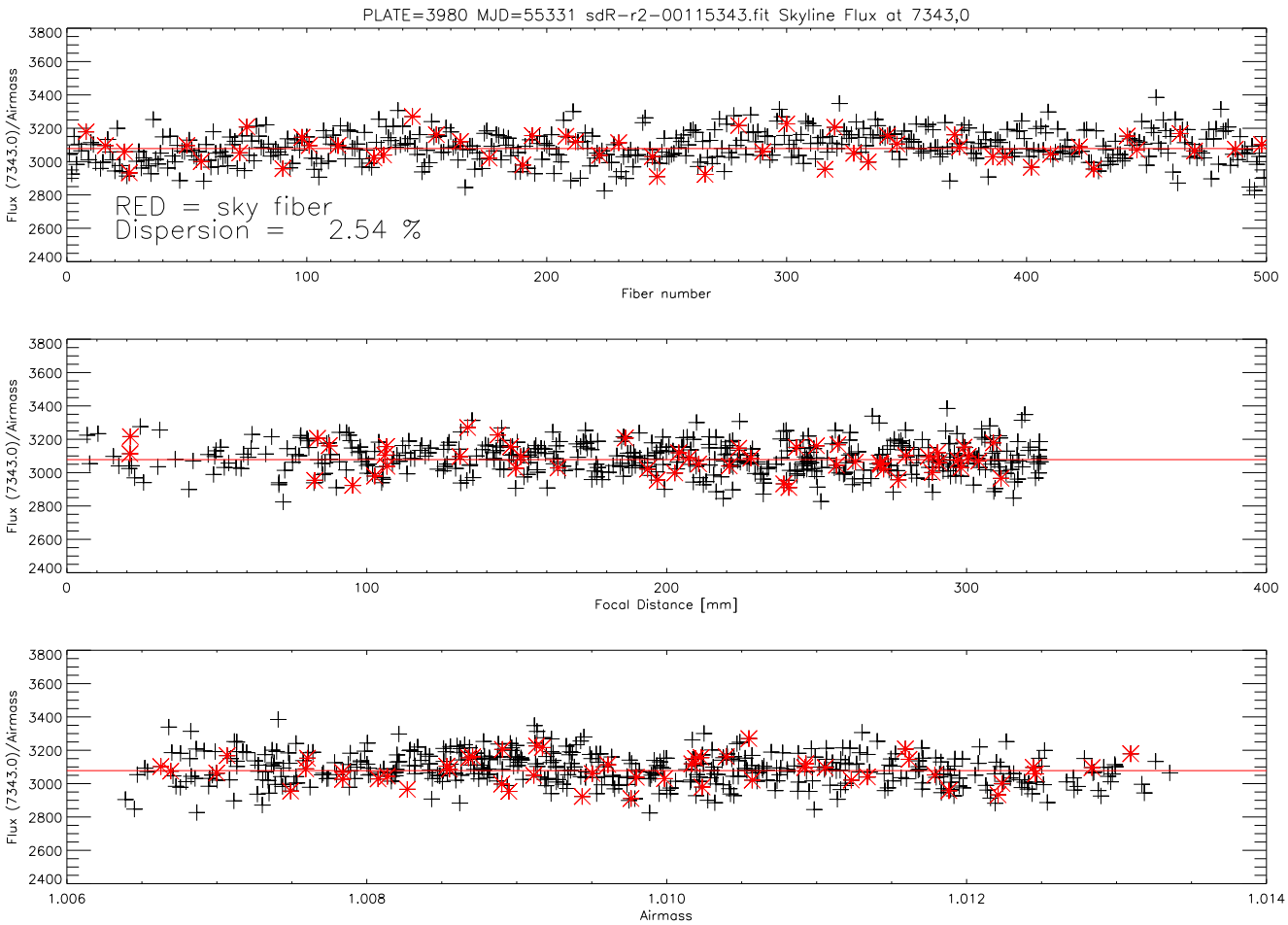

PLATE=3980 MJD=55331 sdR-r2-00115343.fit 2D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

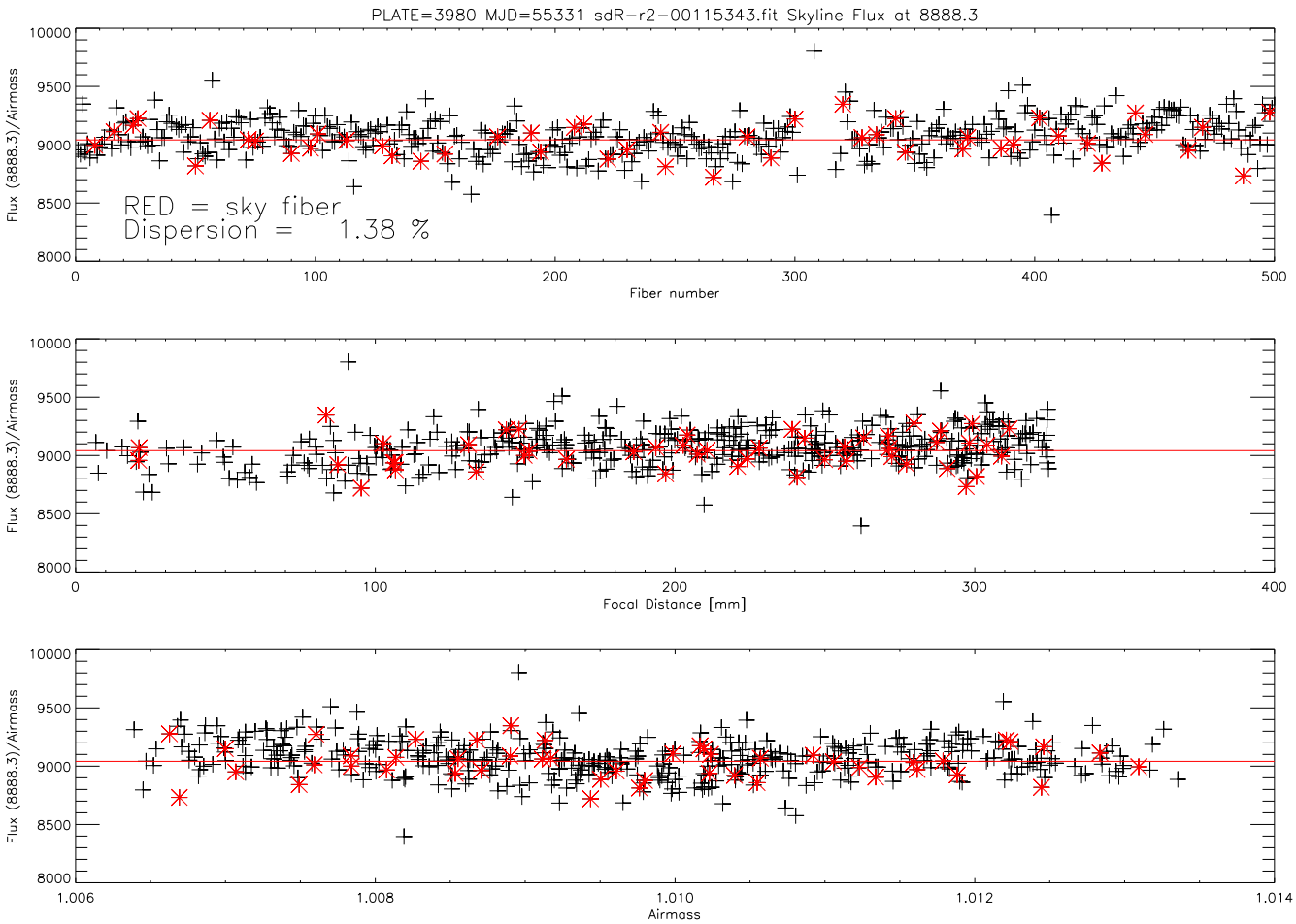

PLATE=3980 MJD=55331 sdR-r2-00115343.fit 2D Sky-subtraction Sky Fibers
Flux [electrons]
5000
4000
3000
2000
1000
0
8820
8840
8860
8880
8900
λ [A]

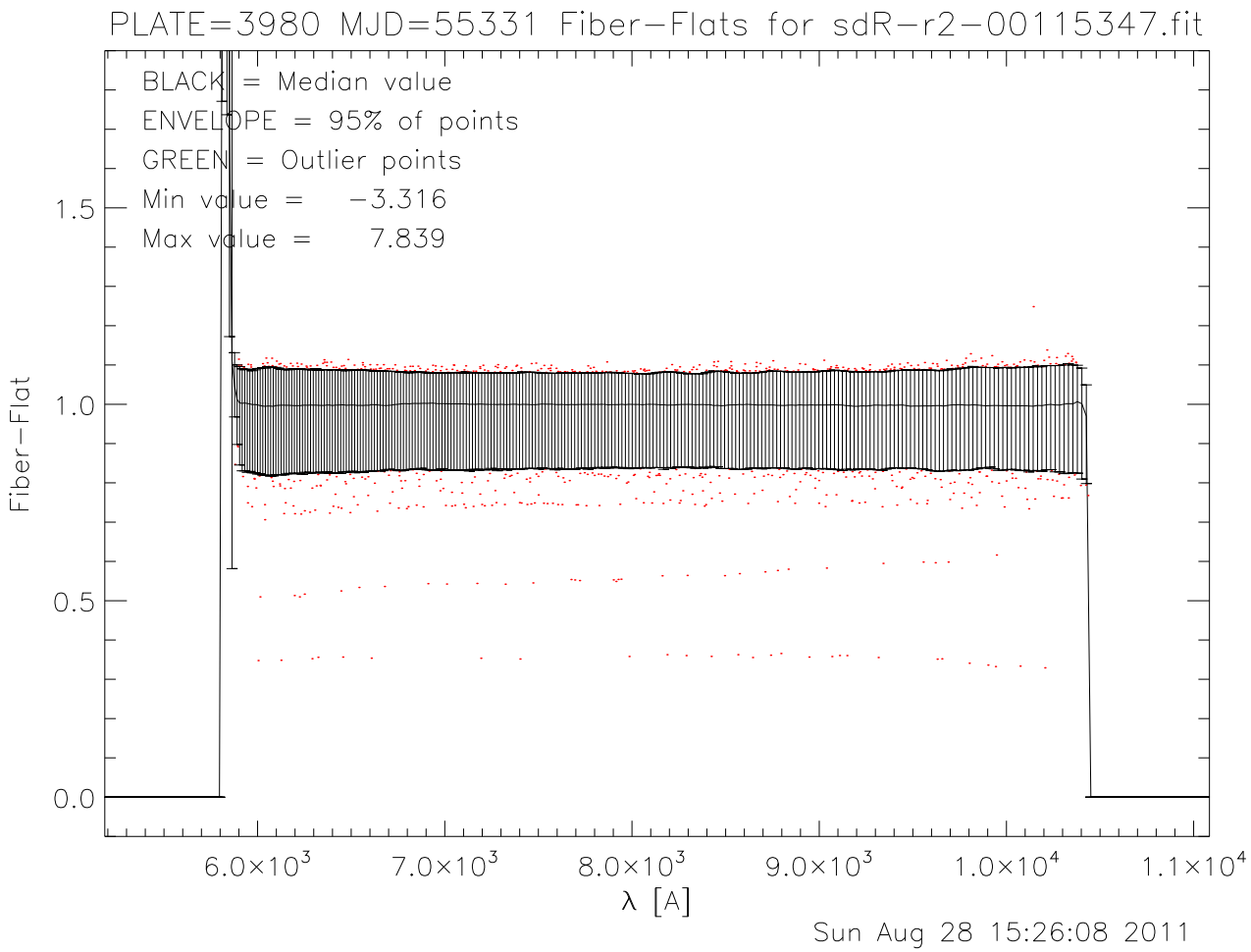

PLATE=3980 MJD=55331 sdR-r2-00115343.fit 2D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
4000
3000
2000
1000
0
-1000
8820
8840
8860
8880
8900
λ [A]

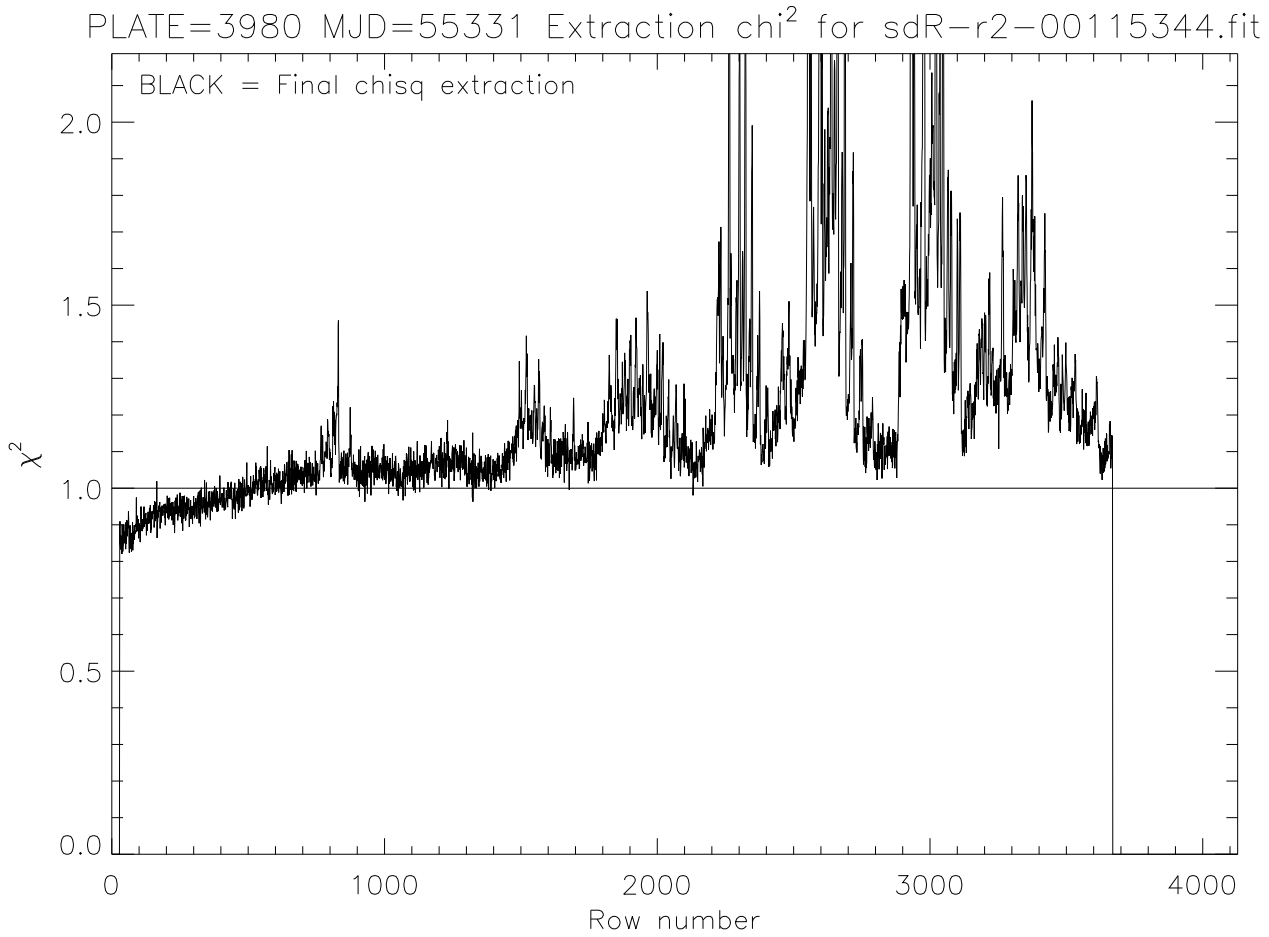
Number of sky fibers = 50

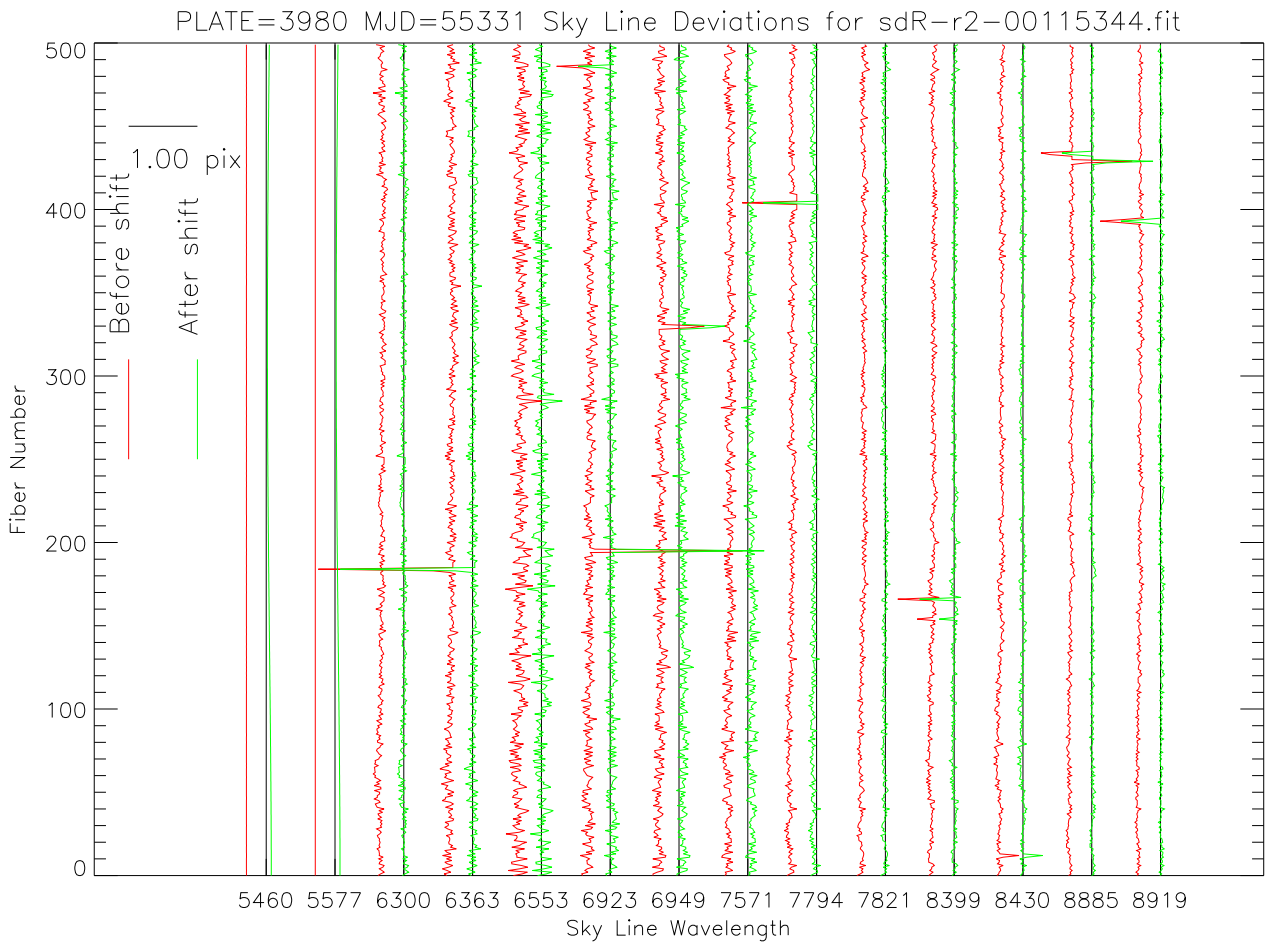


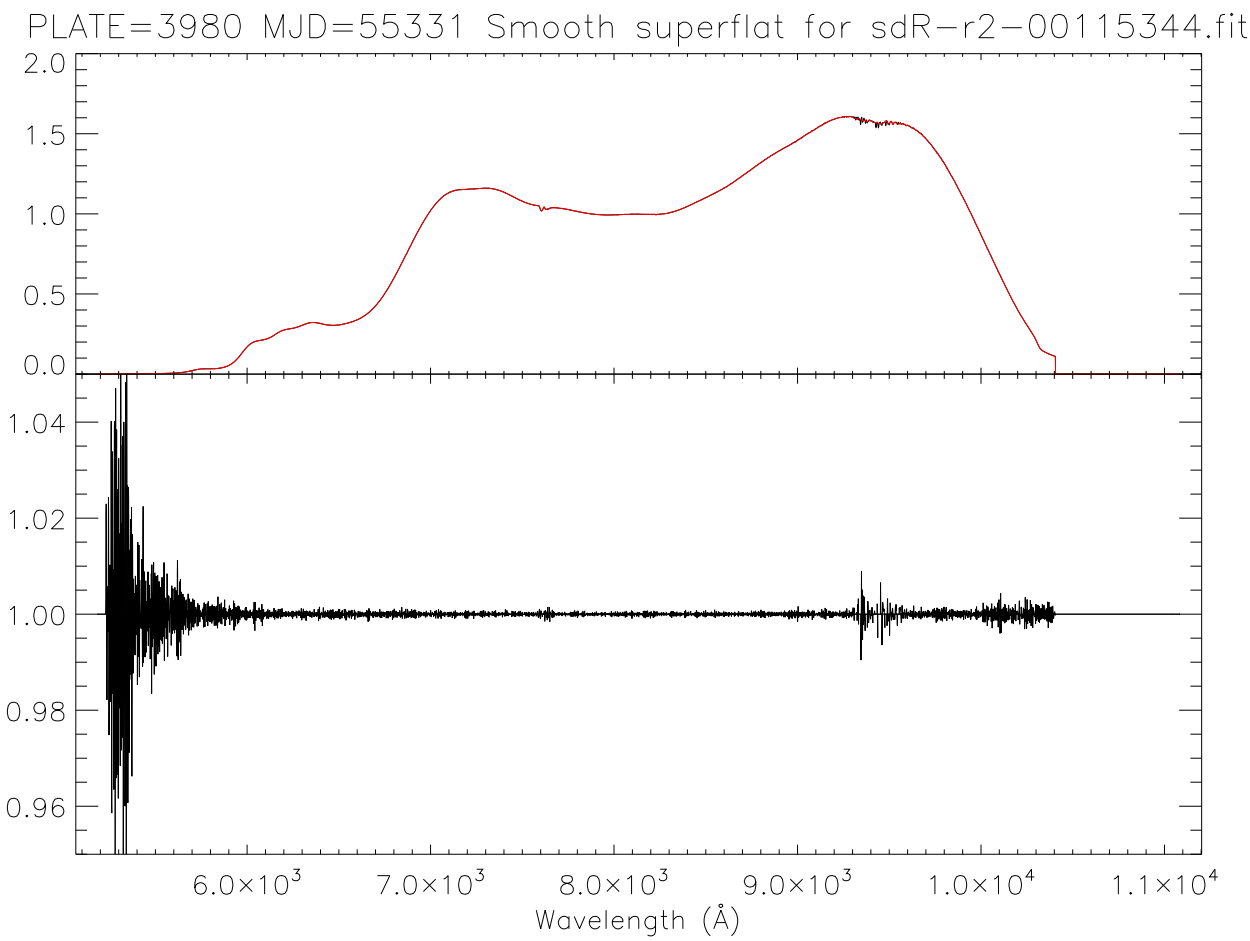

PLATE=3980 MJD=55331 sdR-r2-00115343.fit Skyline Flux at 7343,0
Flux (7343.0)/Airmass
RED = sky fiber
Dispersion = 2.54 %
Fiber number
Flux (7343.0)/Airmass
Focal Distance [mm]
Flux (7343.0)/Airmass
Airmass

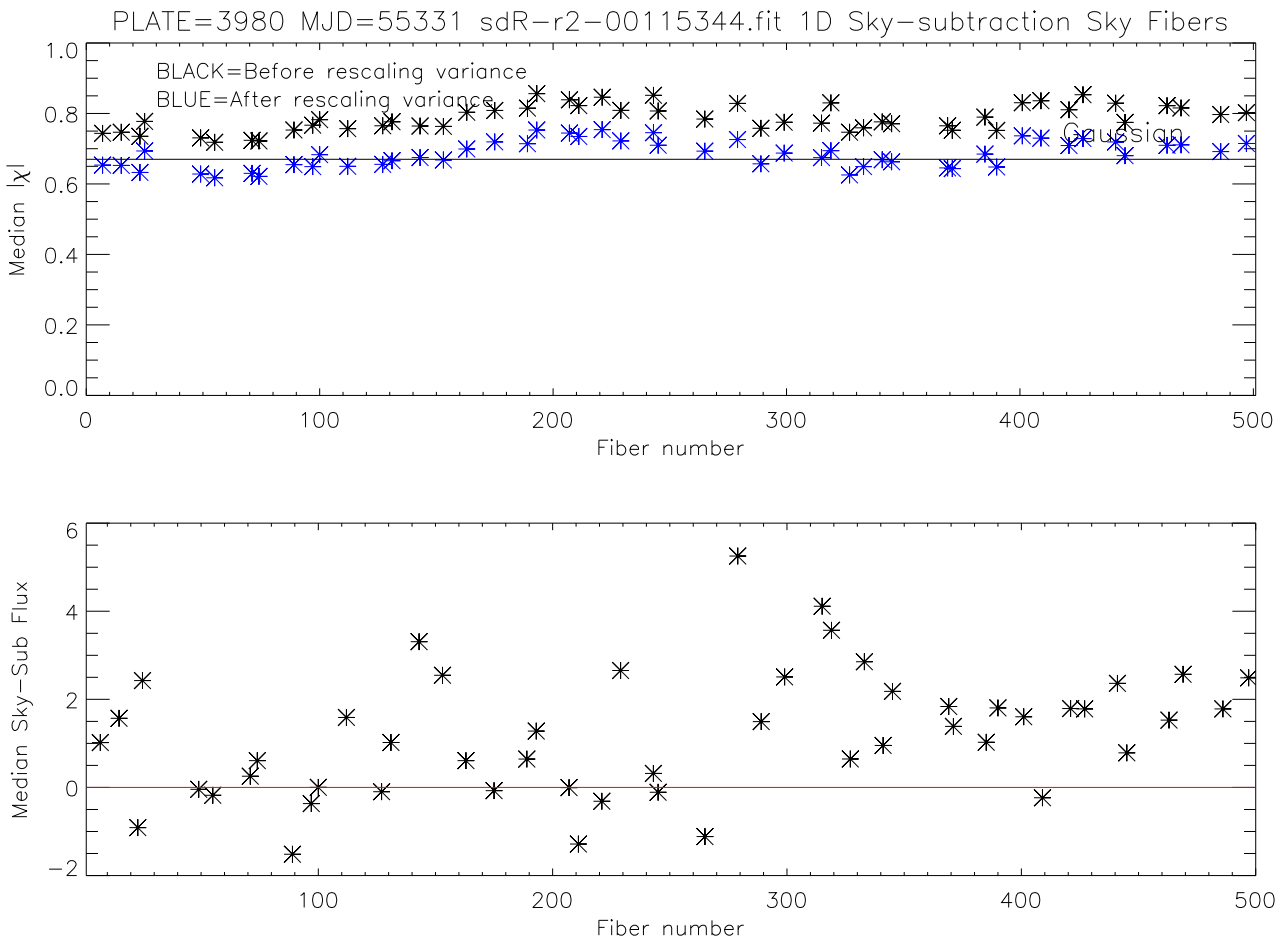

PLATE=3980 MJD=55331 sdR-r2-00115343.fit Skyline Flux at 8888.3
Flux (8888.3)/Airmass
RED = sky fiber
Dispersion = 1.38 %
Fiber number
Flux (8888.3)/Airmass
Focal Distance [mm]
Flux (8888.3)/Airmass
Airmass

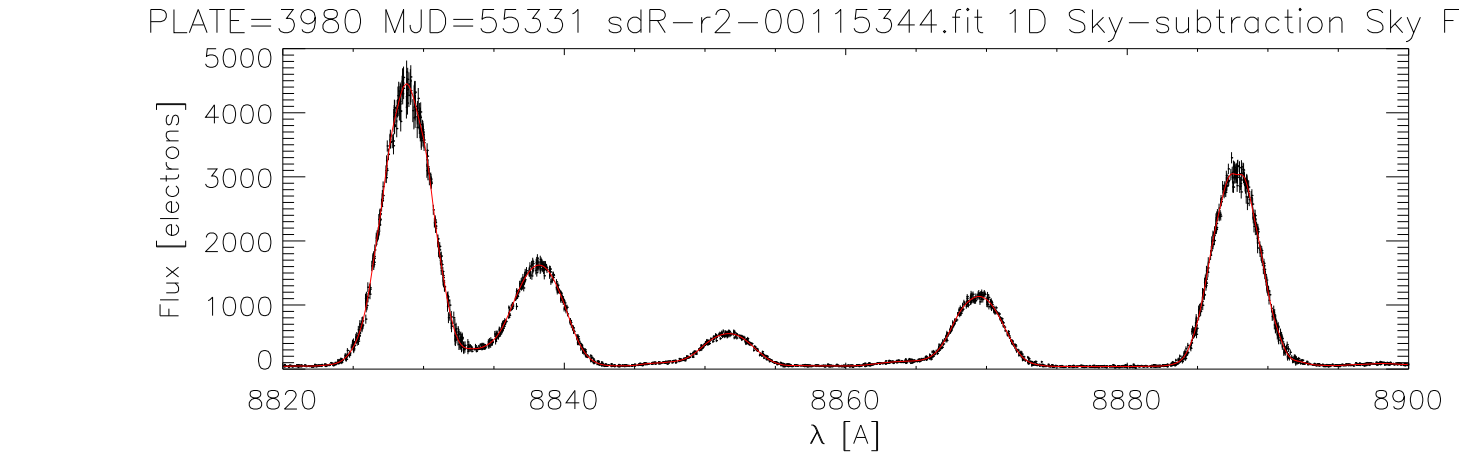

PLATE=3980 MJD=55331 Fiber−Flats for sdR−r2−00115347.fit
BLACK = Median value
ENVELOPE = 95% of points
GREEN = Outlier points
Min value = −3.316
Max value = 7.839
Fiber−Flat
1.5
1.0
0.5
0.0
6.0×10^3
7.0×10^3
8.0×10^3
9.0×10^3
1.0×10^4
1.1×10^4
λ [A]
Sun Aug 28 15:26:08 2011

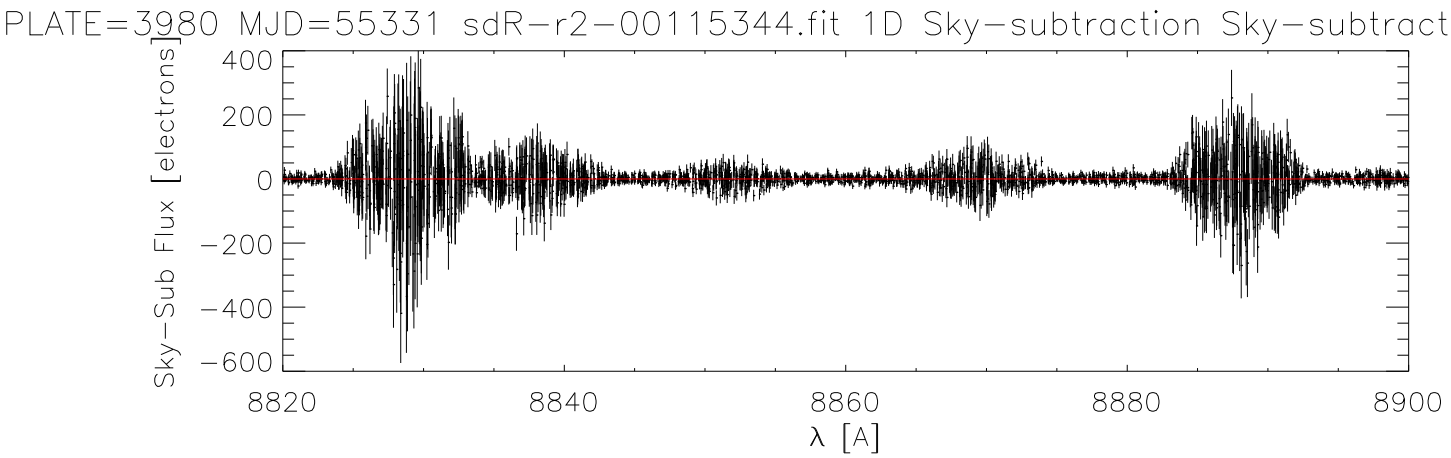

PLATE=3980 MJD=55331 Extraction chi^2 for sdR−r2−00115344.fit
BLACK = Final chisq extraction
2.0
1.5
1.0
0.5
0.0
χ^2
0
1000
2000
3000
4000
Row number


PLATE=3980 MJD=55331 Sky Line Deviations for sdR-r2-00115344.fit
1.00 pix
Before shift
After shift
Fiber Number
0
100
200
300
400
500
5460 5577 6300 6363 6553 6923 6949 7571 7794 7821 8399 8430 8885 8919
Sky Line Wavelength

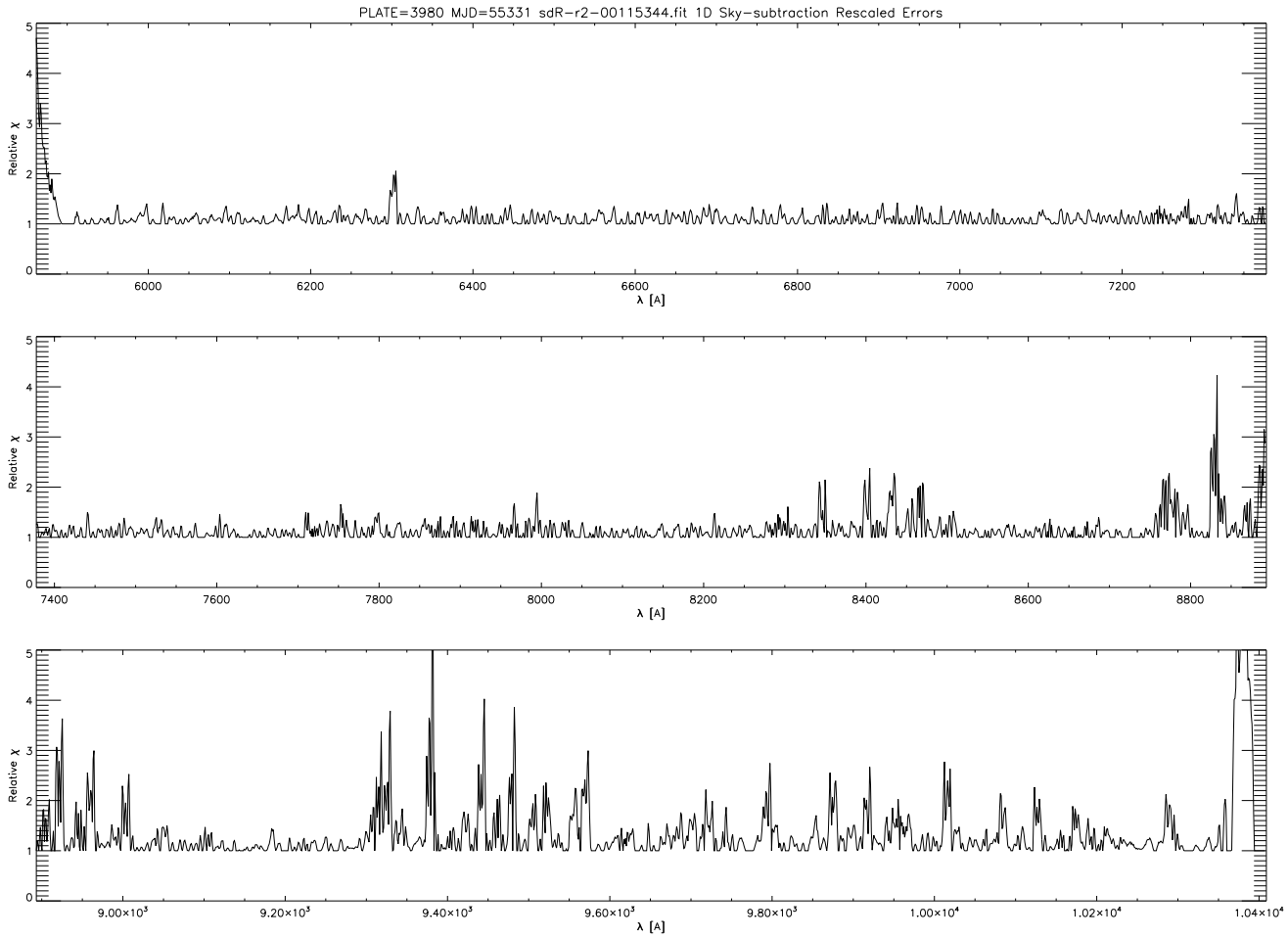

PLATE=3980 MJD=55331 Smooth superflat for sdR-r2-00115344.fit
2.0
1.5
1.0
0.5
0.0
1.04
1.02
1.00
0.98
0.96
6.0×10^3
7.0×10^3
8.0×10^3
9.0×10^3
1.0×10^4
1.1×10^4
Wavelength (Å)

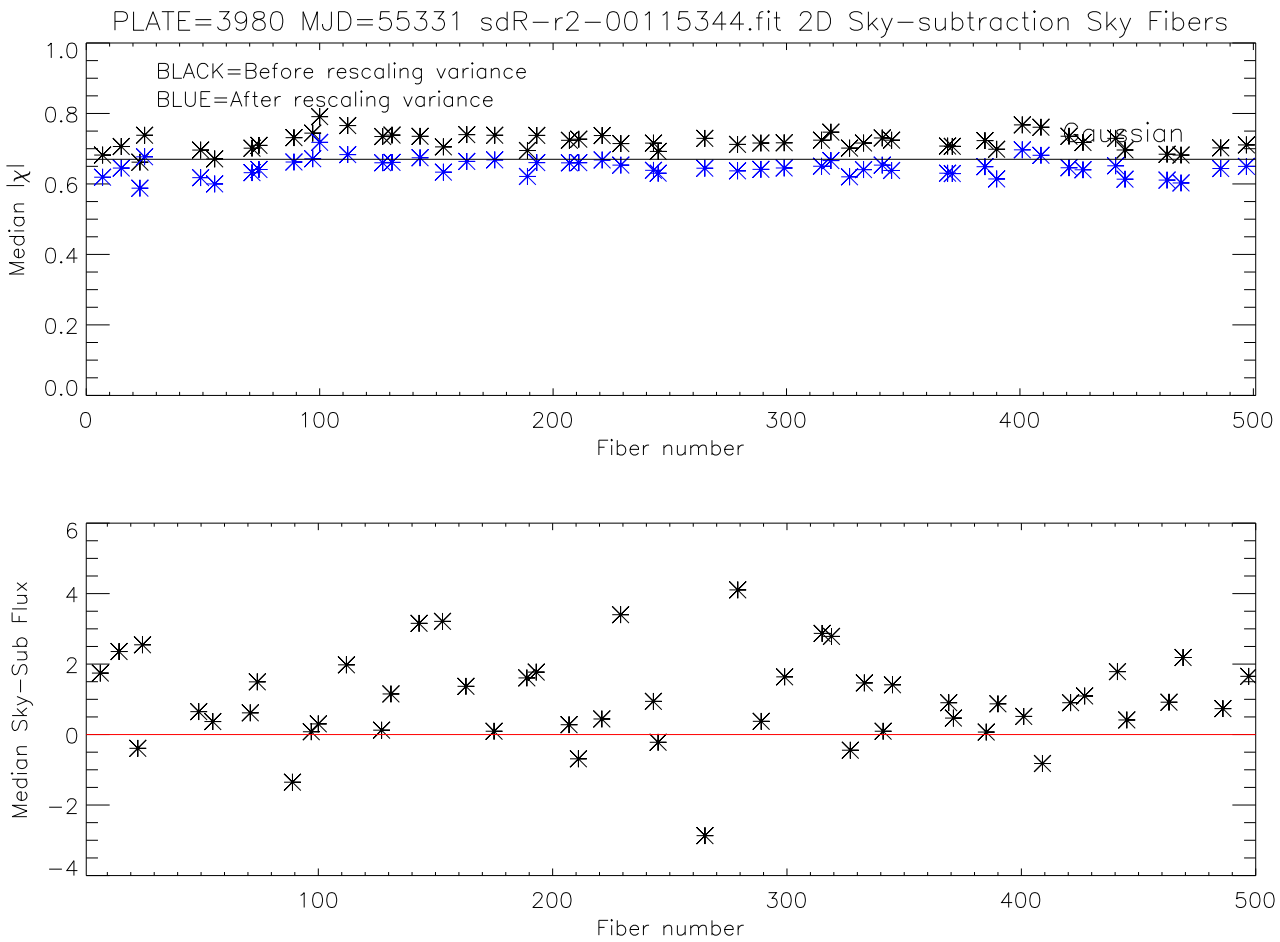

PLATE=3980 MJD=55331 sdR-r2-00115344.fit 1D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

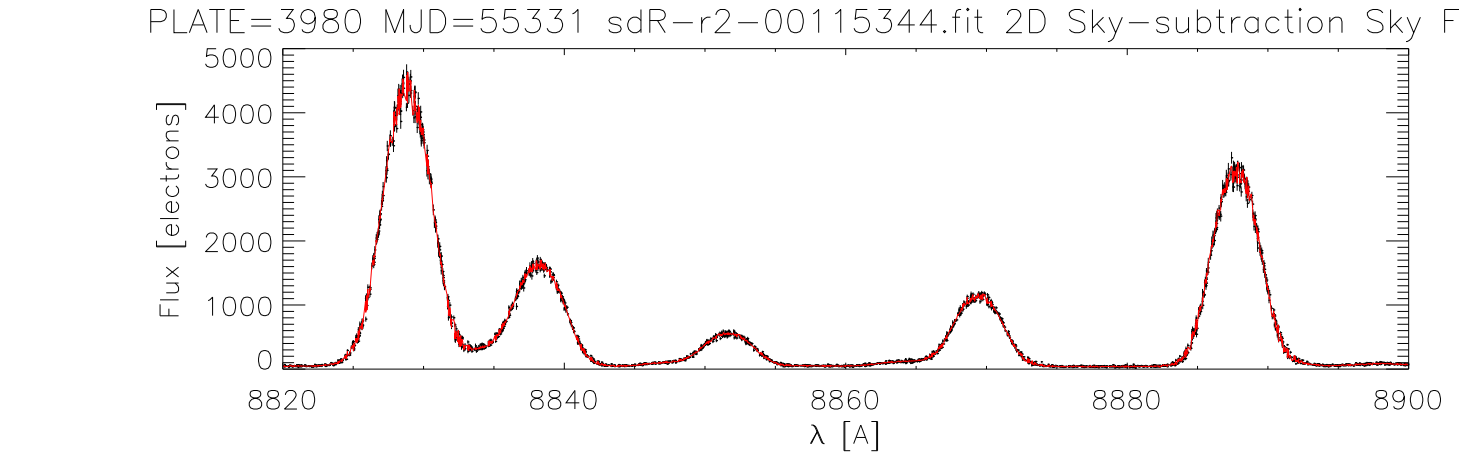

PLATE=3980 MJD=55331 sdR-r2-00115344.fit 1D Sky-subtraction Sky Fibers
Flux [electrons]
5000
4000
3000
2000
1000
0
8820
8840
8860
8880
8900
λ [A]

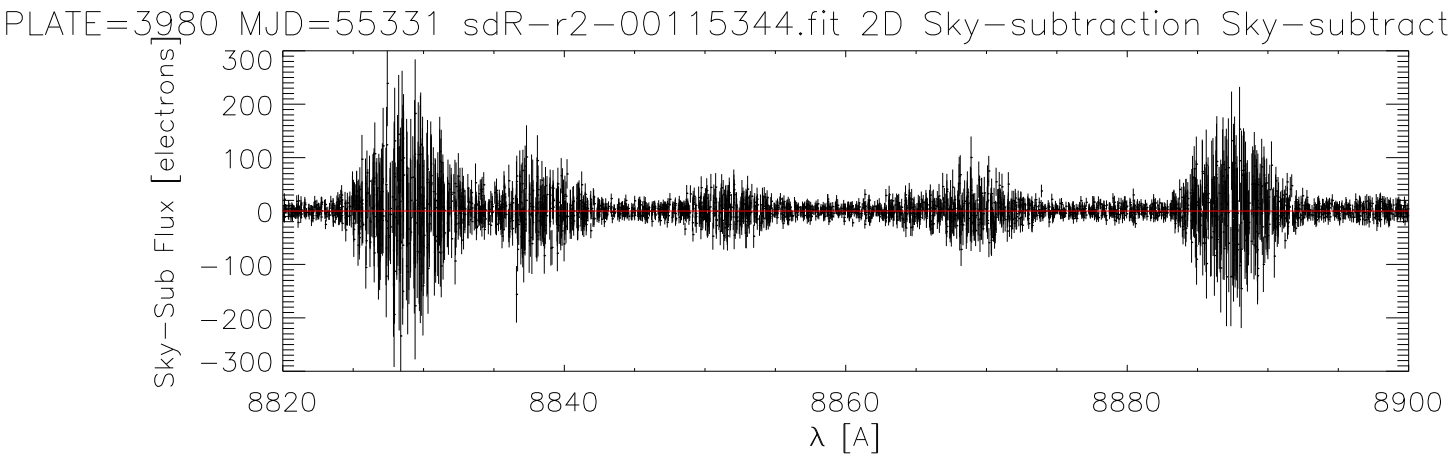

PLATE=3980 MJD=55331 sdR-r2-00115344.fit 1D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
400
200
0
-200
-400
-600
8820
8840
8860
8880
8900
λ [A]

Number of sky fibers = 50

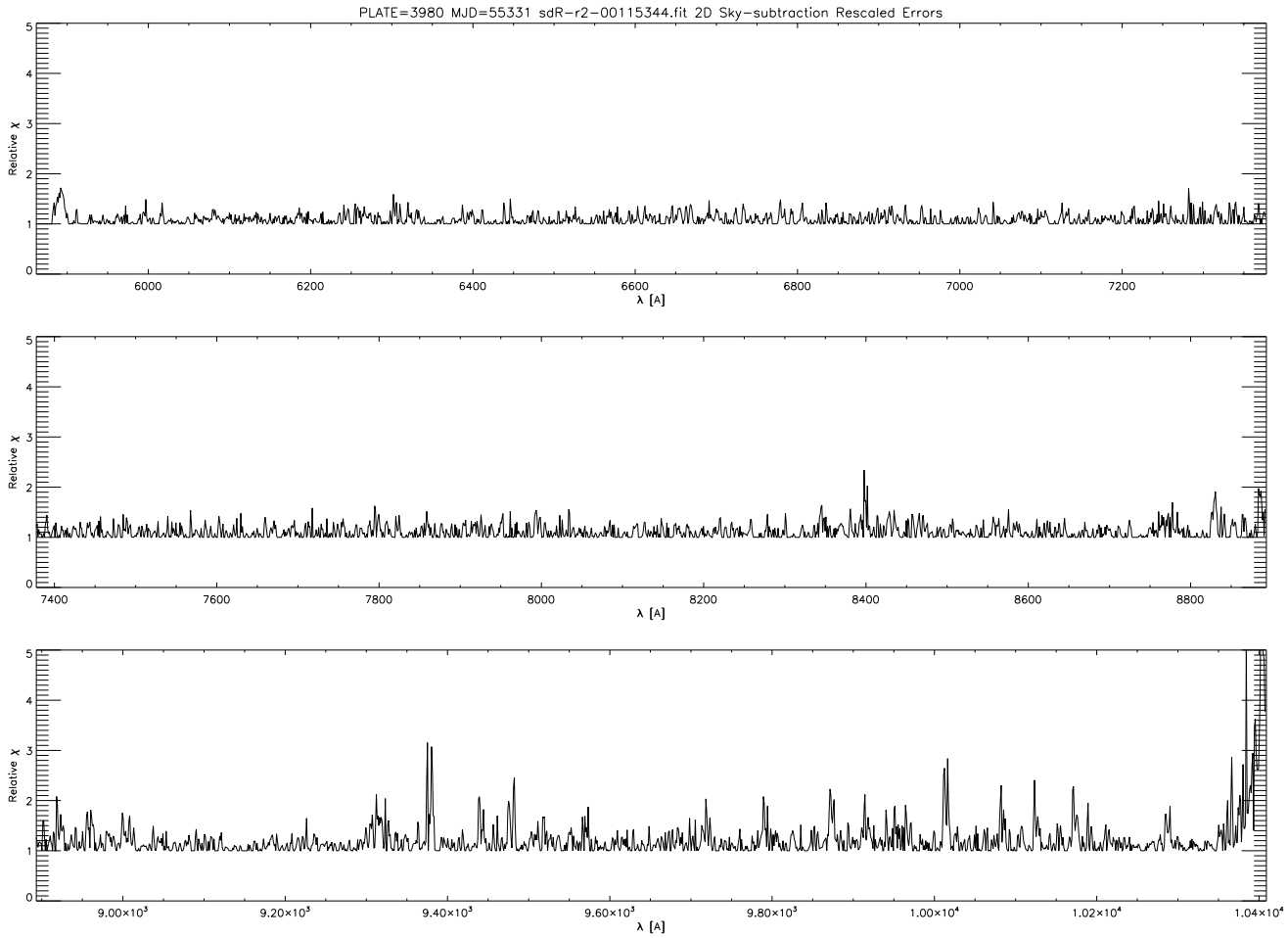


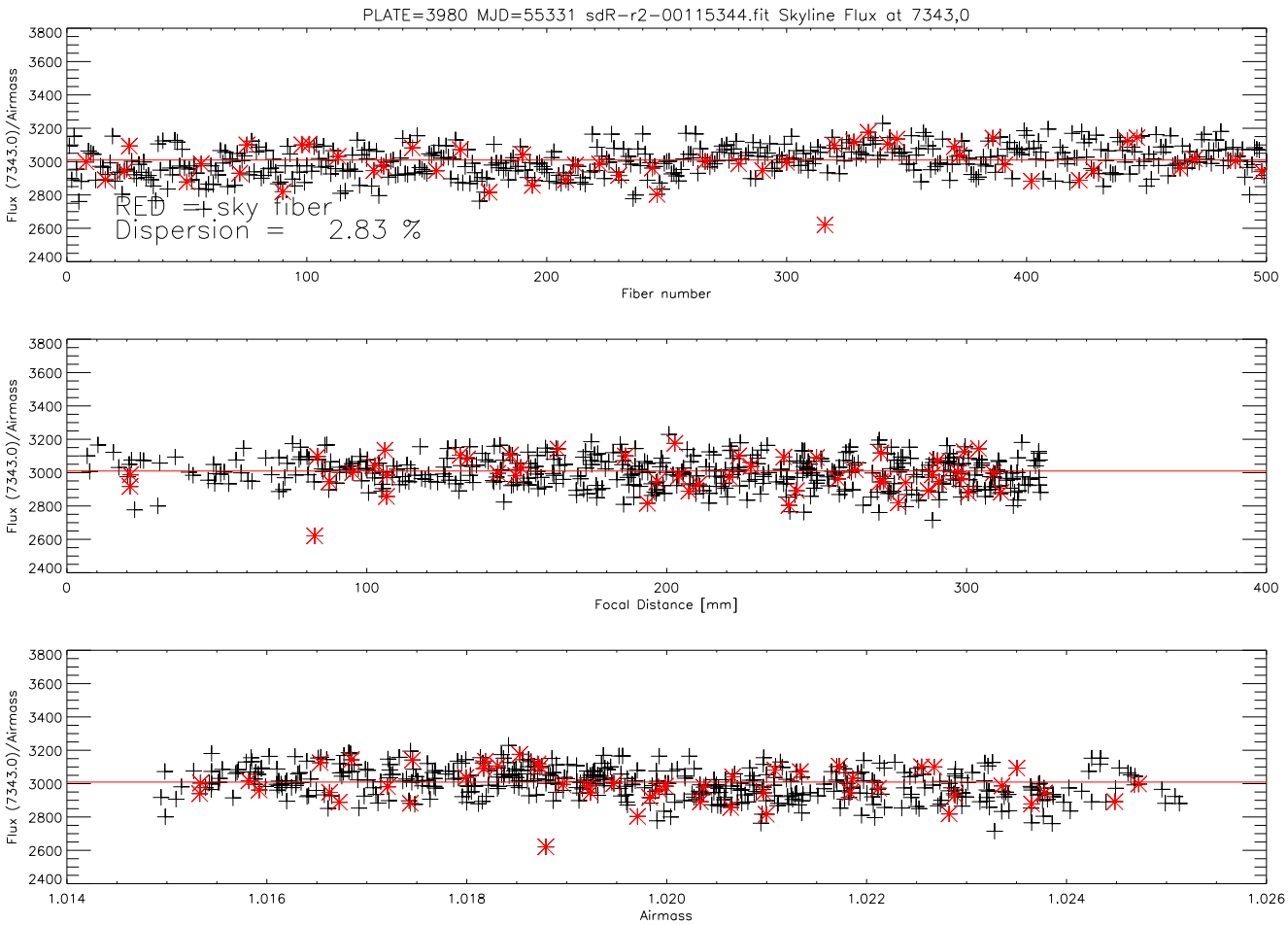

PLATE=3980 MJD=55331 sdR-r2-00115344.fit 2D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

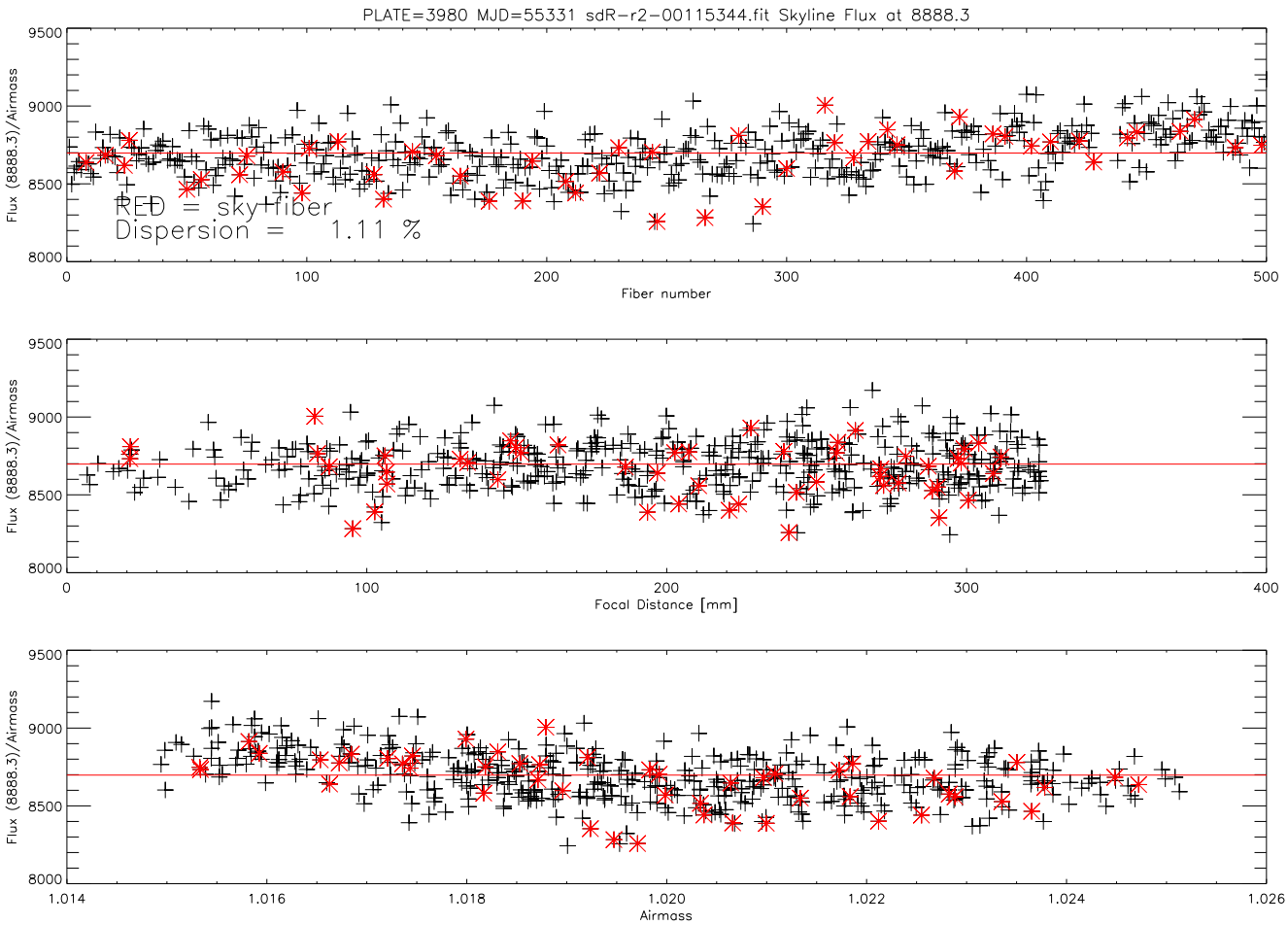

PLATE=3980 MJD=55331 sdR-r2-00115344.fit 2D Sky-subtraction Sky Fibers
Flux [electrons]
5000
4000
3000
2000
1000
0
8820
8840
8860
8880
8900
λ [A]

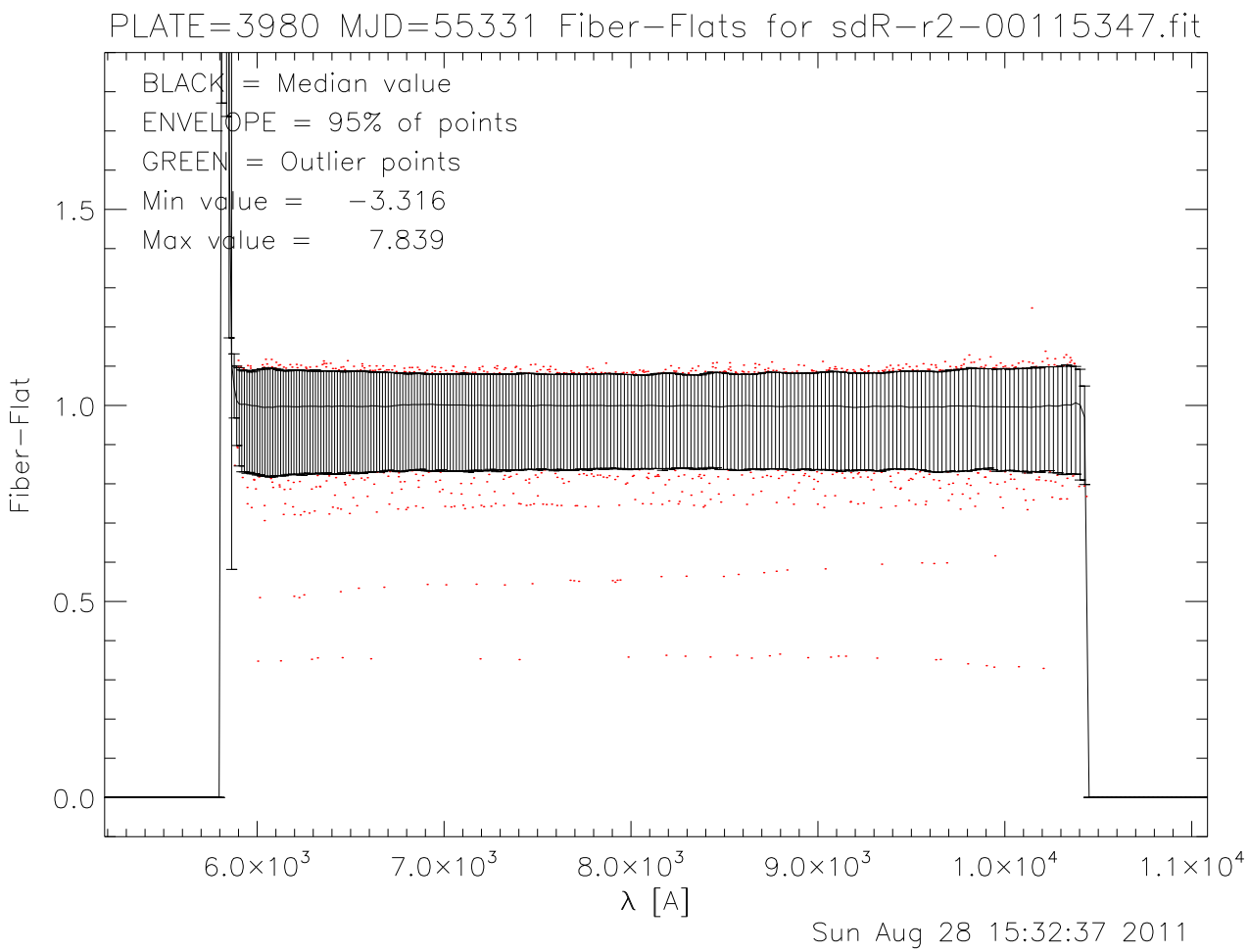

PLATE=3980 MJD=55331 sdR-r2-00115344.fit 2D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
300
200
100
0
-100
-200
-300
8820
8840
8860
8880
8900
λ [A]

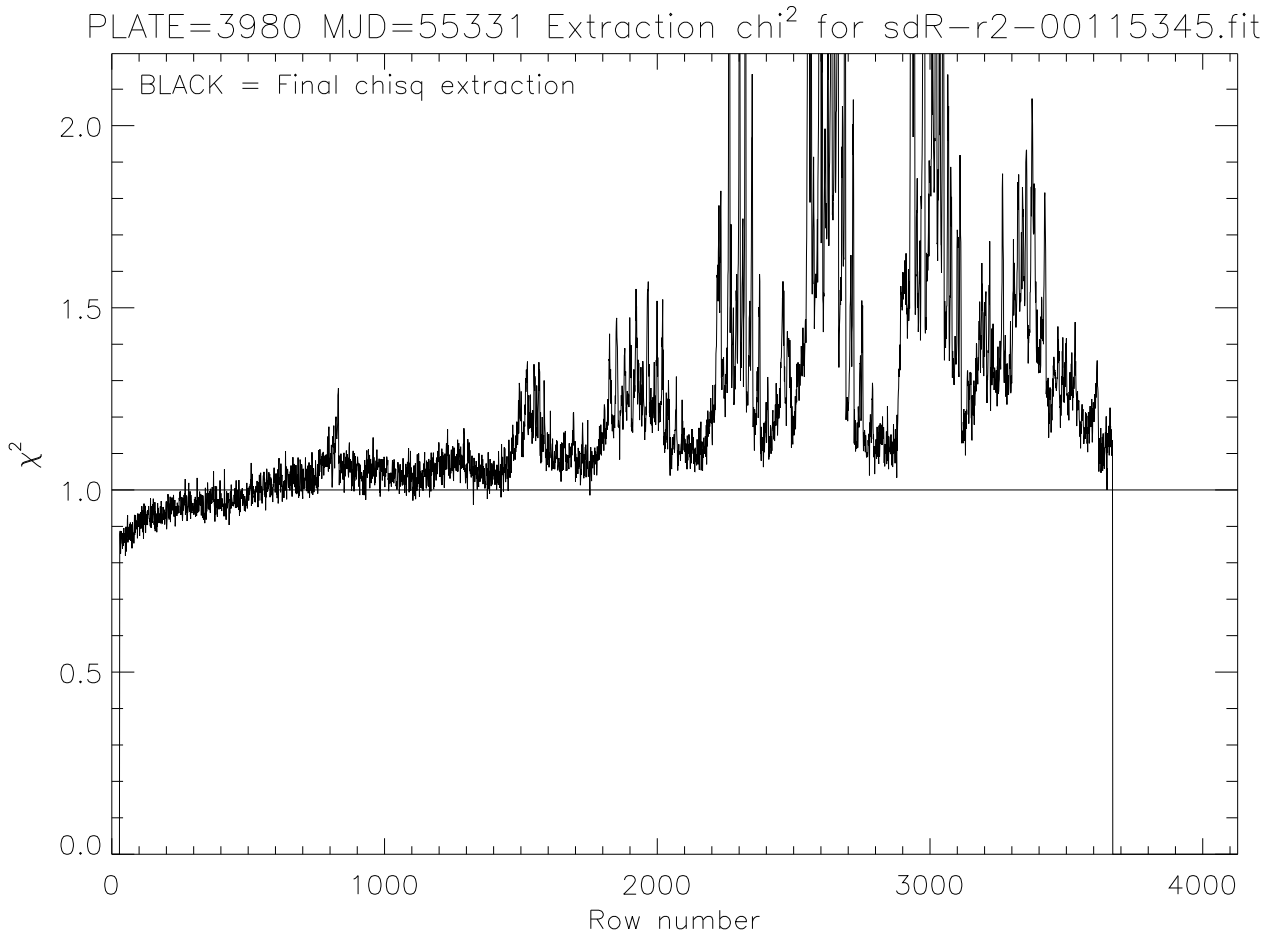
Number of sky fibers = 50

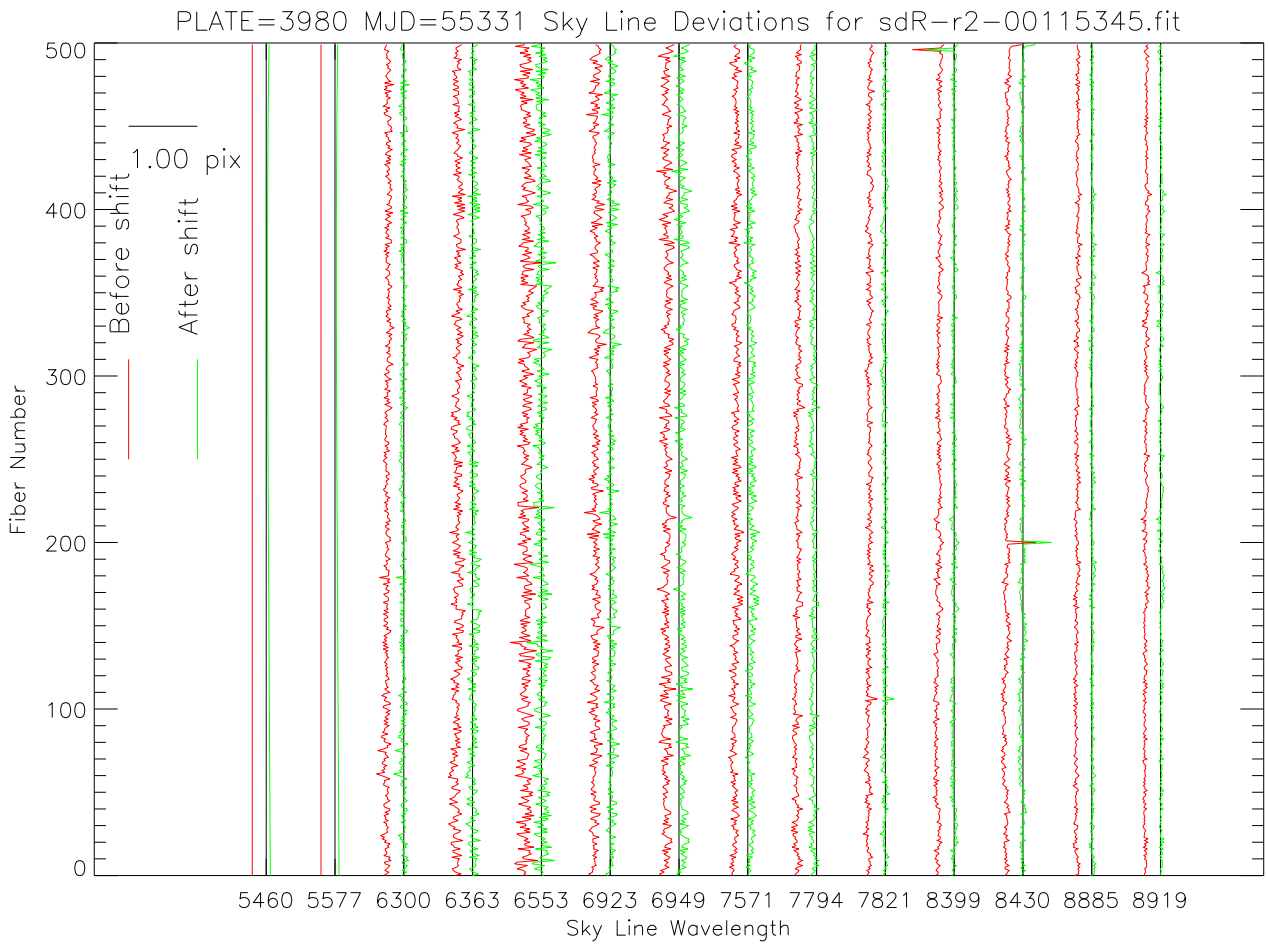


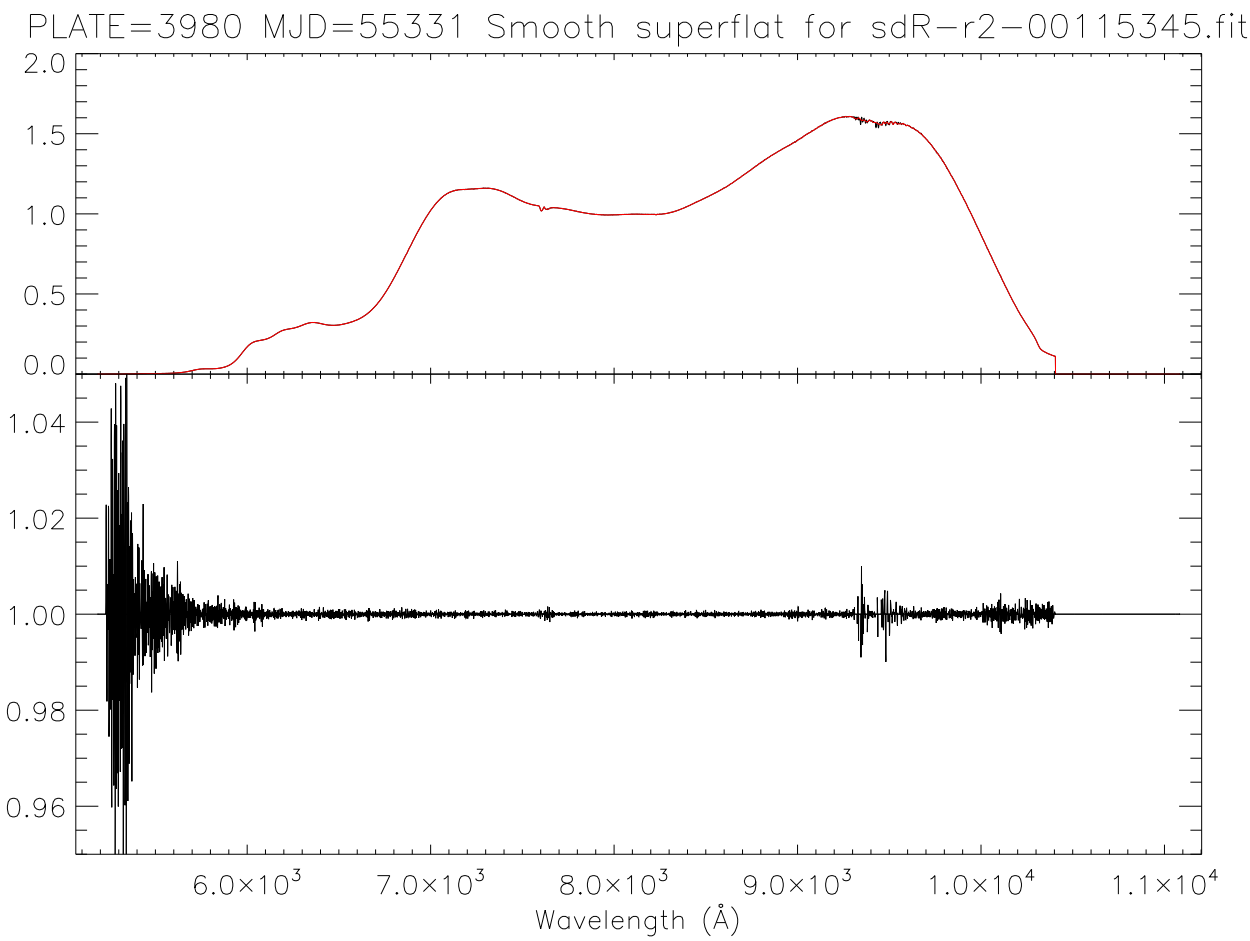

PLATE=3980 MJD=55331 sdR-r2-00115344.fit Skyline Flux at 7343,0
Flux (7343.0)/Airmass
RED =+sky fiber
Dispersion = 2.83 %
Fiber number
Flux (7343.0)/Airmass
Focal Distance [mm]
Flux (7343.0)/Airmass
Airmass

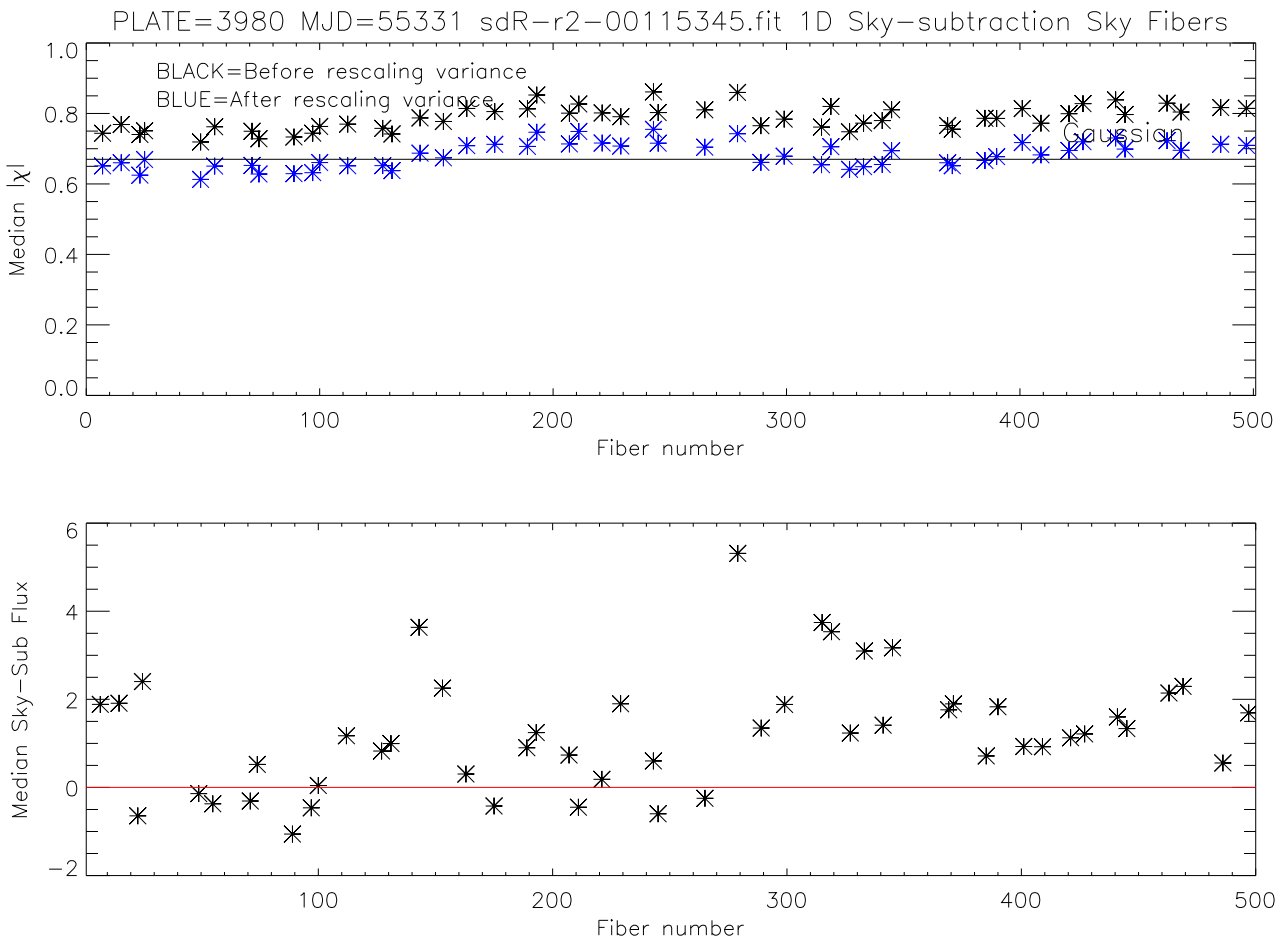

PLATE=3980 MJD=55331 sdR-r2-00115344.fit Skyline Flux at 8888.3
Flux (8888.3)/Airmass
RED = sky fiber
Dispersion = 1.11 %
Fiber number
Focal Distance [mm]
Airmass

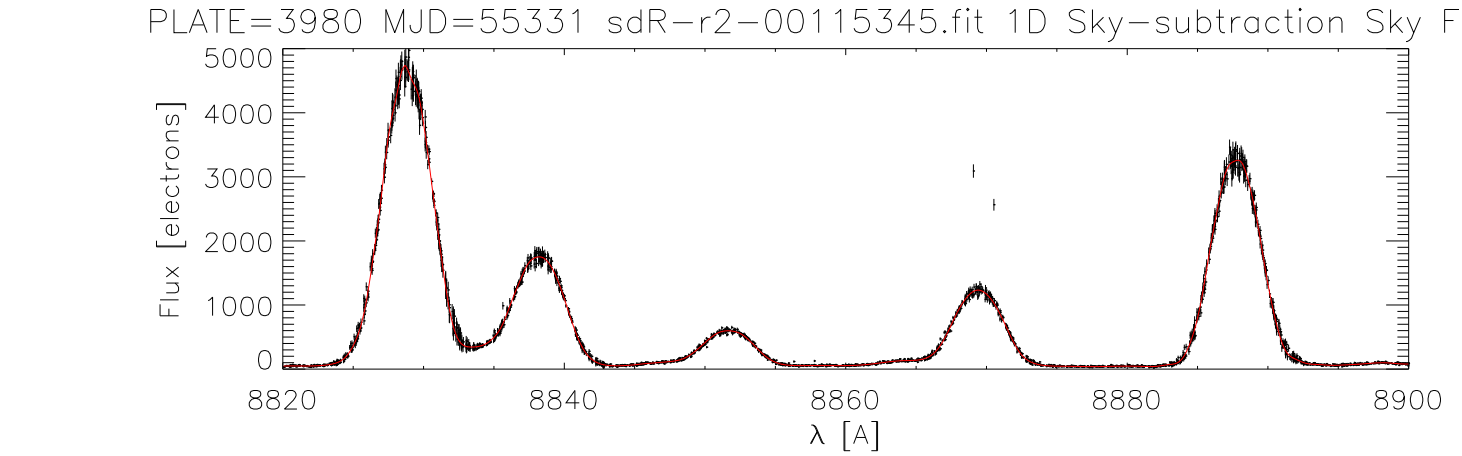

PLATE=3980 MJD=55331 Fiber−Flats for sdR−r2−00115347.fit
BLACK = Median value
ENVELOPE = 95% of points
GREEN = Outlier points
Min value = −3.316
Max value = 7.839
Fiber−Flat
1.5
1.0
0.5
0.0
6.0×10^3
7.0×10^3
8.0×10^3
9.0×10^3
1.0×10^4
1.1×10^4
λ [A]
Sun Aug 28 15:32:37 2011

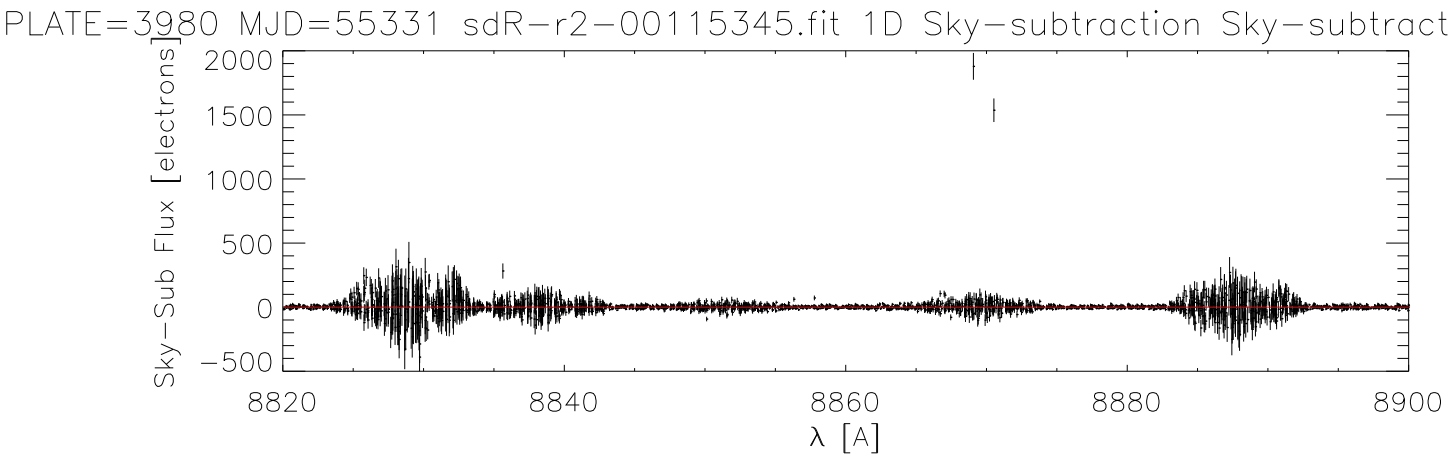

PLATE=3980 MJD=55331 Extraction chi^2 for sdR−r2−00115345.fit
BLACK = Final chisq extraction
χ^2
2.0
1.5
1.0
0.5
0.0
0
1000
2000
3000
4000
Row number


PLATE=3980 MJD=55331 Sky Line Deviations for sdR-r2-00115345.fit
Before shift
After shift
1.00 pix
Fiber Number
0
100
200
300
400
500
5460 5577 6300 6363 6553 6923 6949 7571 7794 7821 8399 8430 8885 8919
Sky Line Wavelength

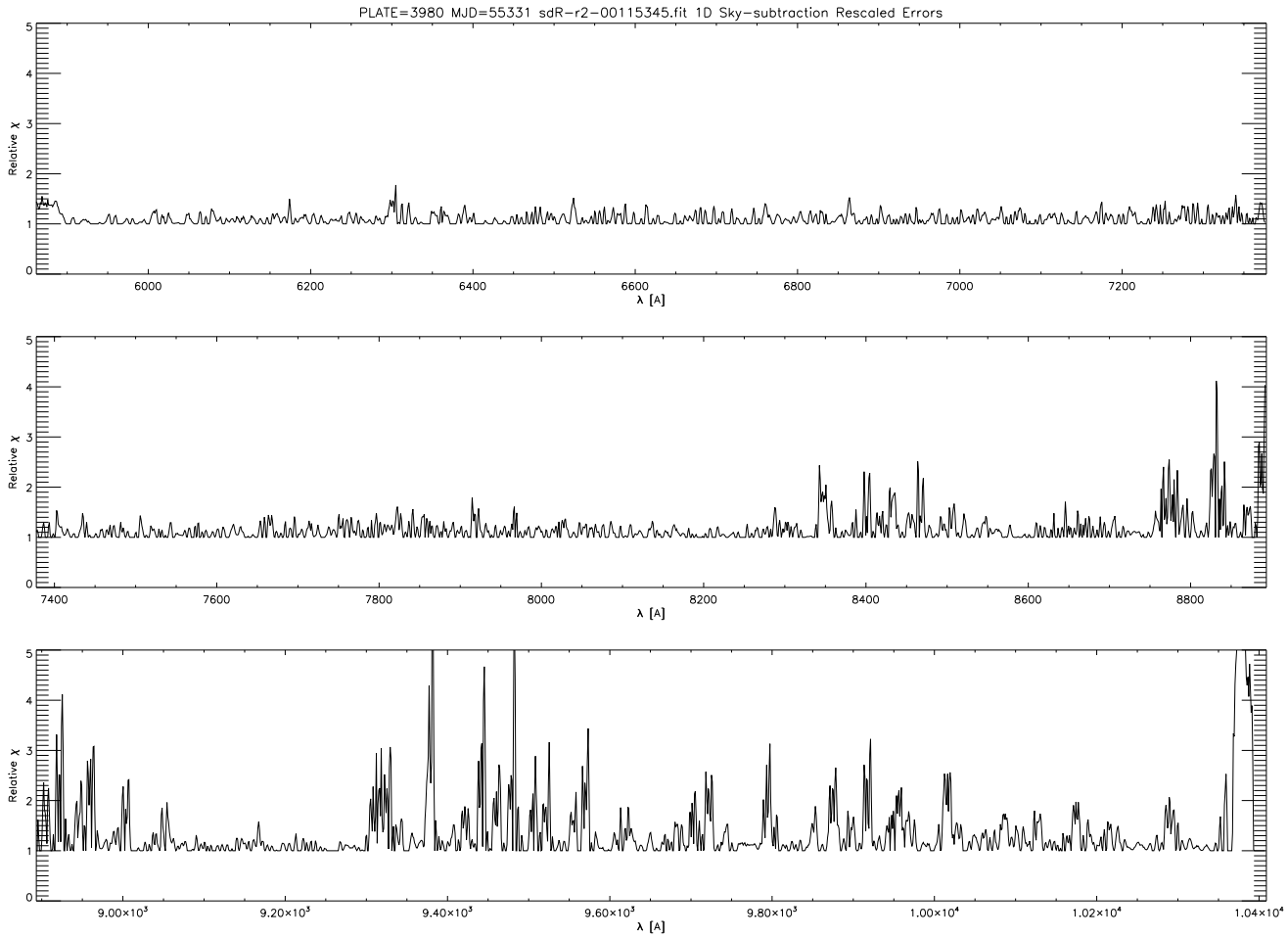

PLATE=3980 MJD=55331 Smooth superflat for sdR-r2-00115345.fit
2.0
1.5
1.0
0.5
0.0
1.04
1.02
1.00
0.98
0.96
6.0×10^3
7.0×10^3
8.0×10^3
9.0×10^3
1.0×10^4
1.1×10^4
Wavelength (Å)

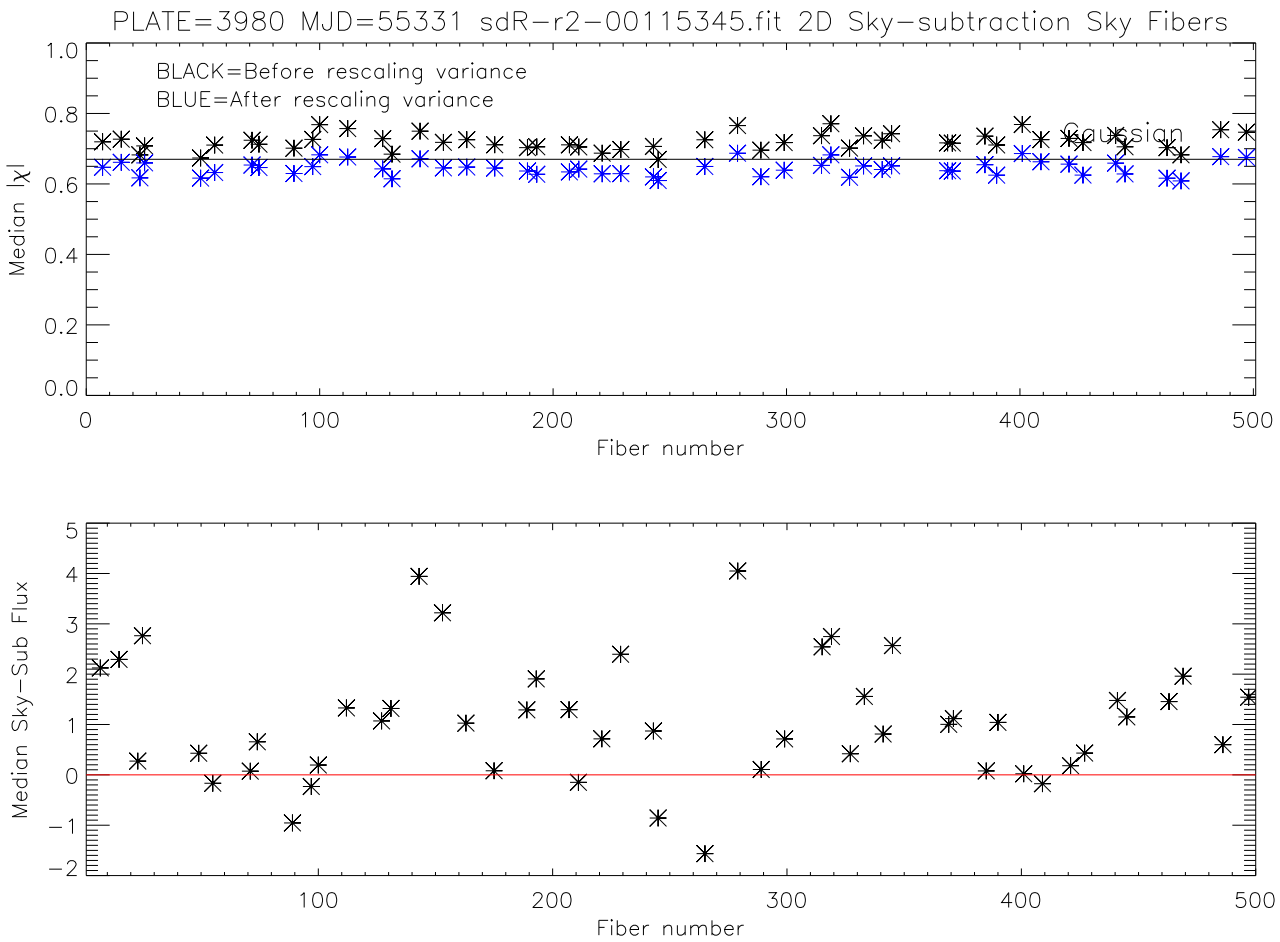

PLATE=3980 MJD=55331 sdR-r2-00115345.fit 1D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

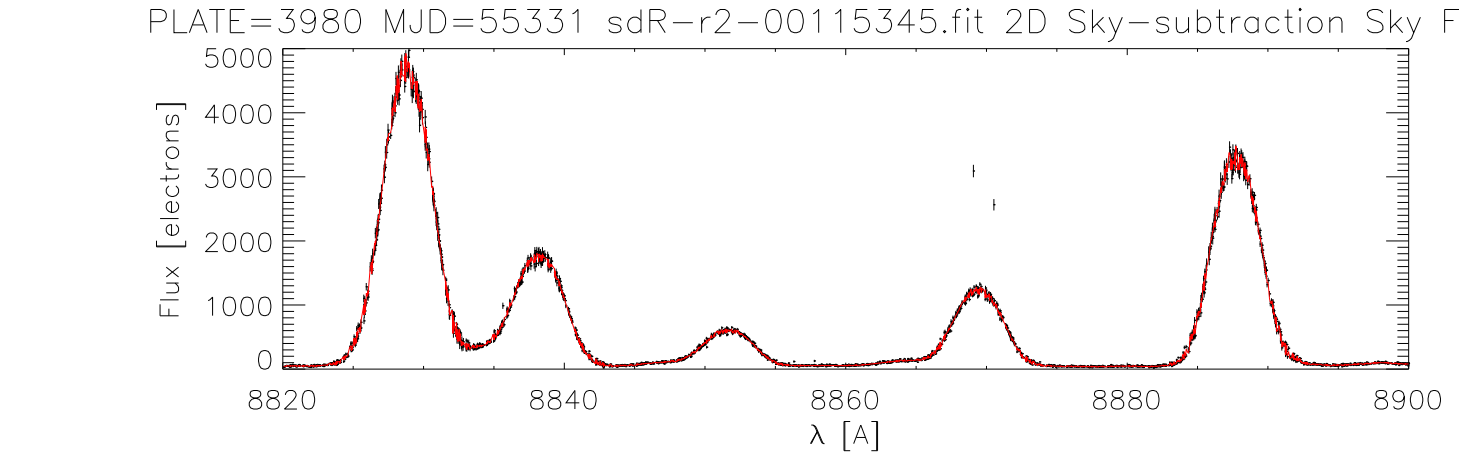

PLATE=3980 MJD=55331 sdR-r2-00115345.fit 1D Sky-subtraction Sky Fibers
Flux [electrons]
5000
4000
3000
2000
1000
0
8820
8840
8860
8880
8900
λ [A]

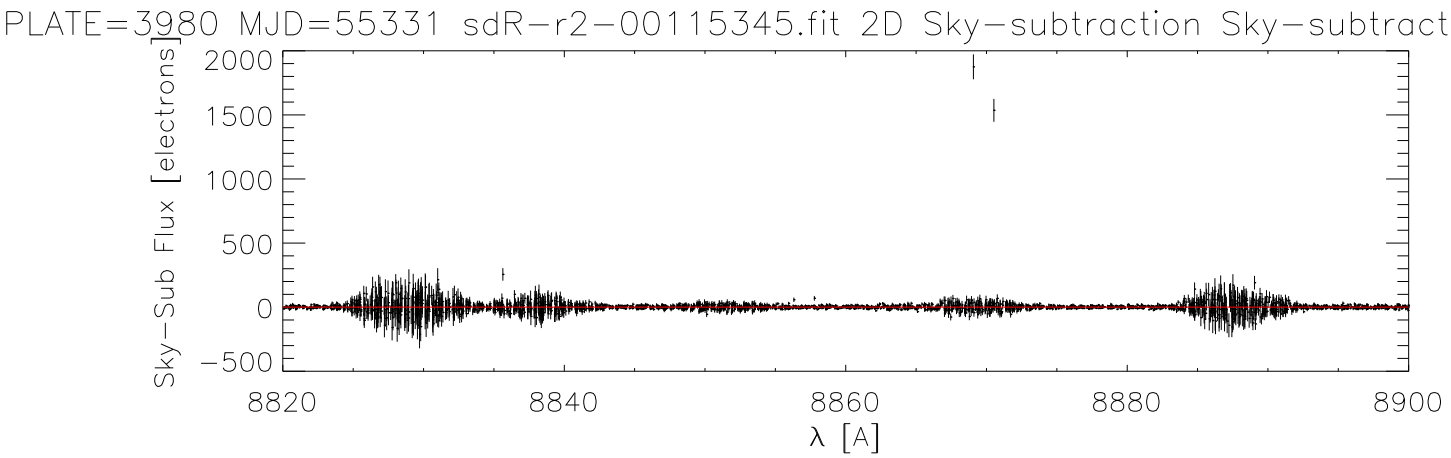

PLATE=3980 MJD=55331 sdR-r2-00115345.fit 1D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
2000
1500
1000
500
0
-500
8820
8840
8860
8880
8900
λ [A]

Number of sky fibers = 50

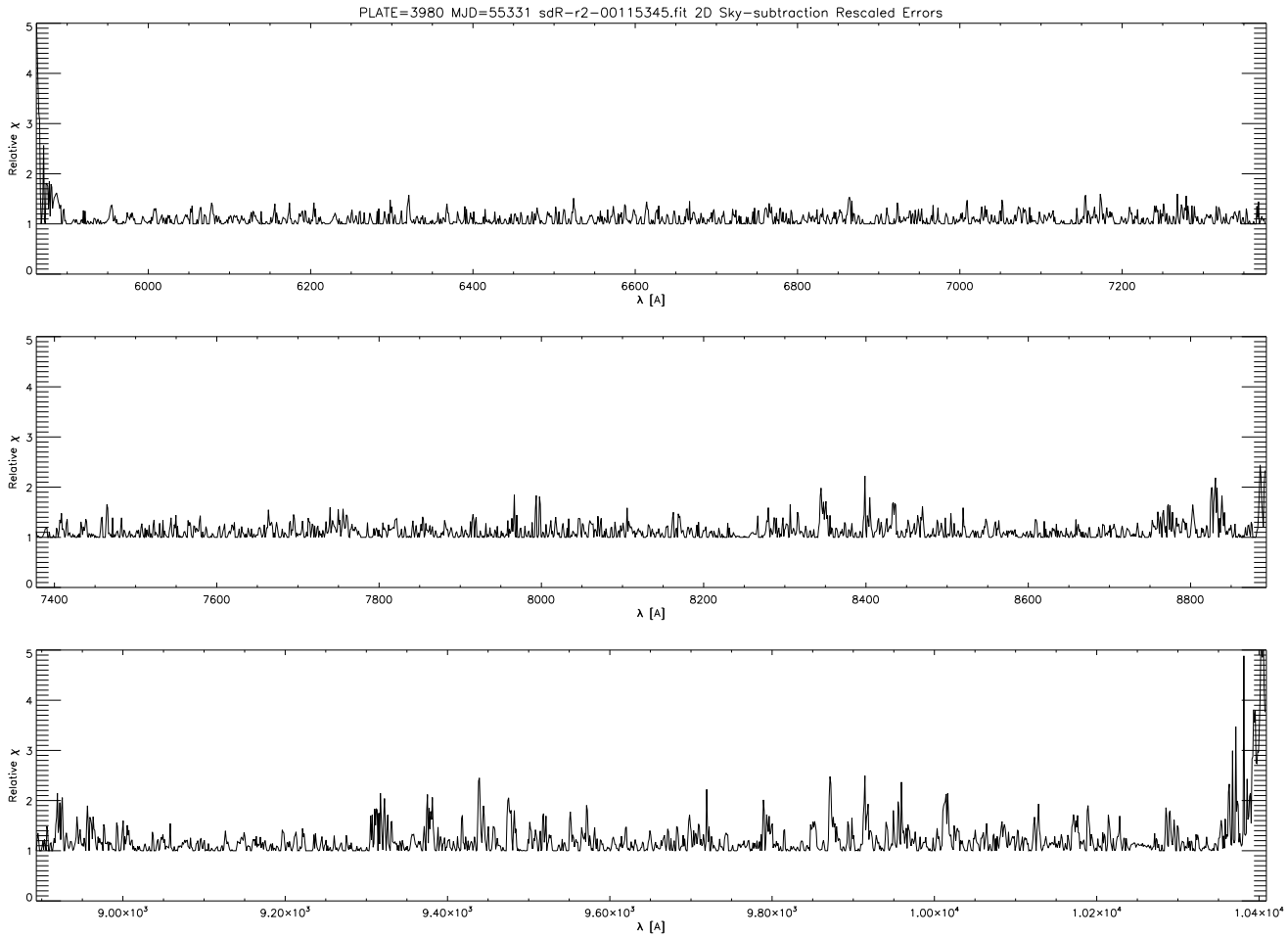


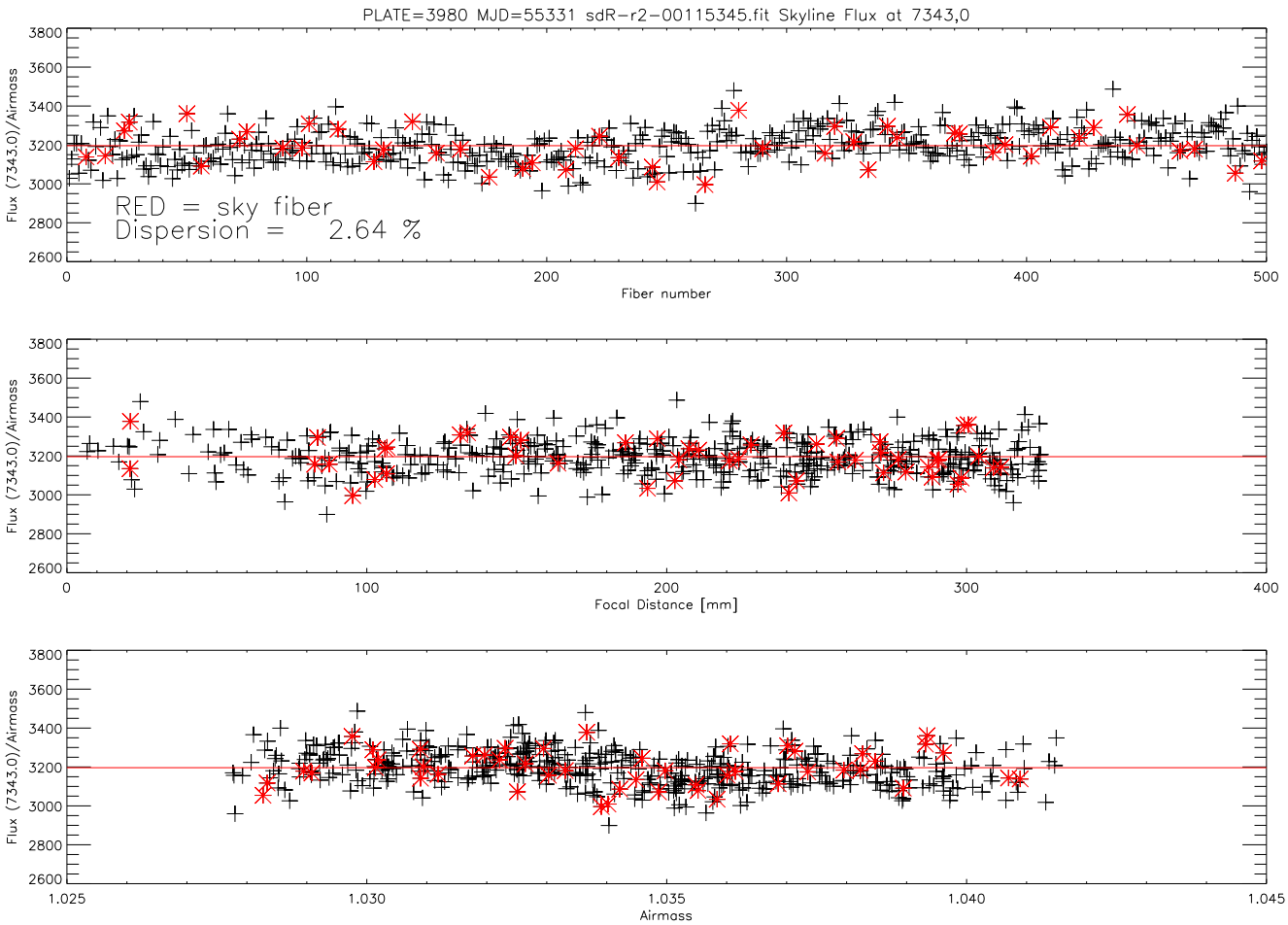

PLATE=3980 MJD=55331 sdR-r2-00115345.fit 2D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

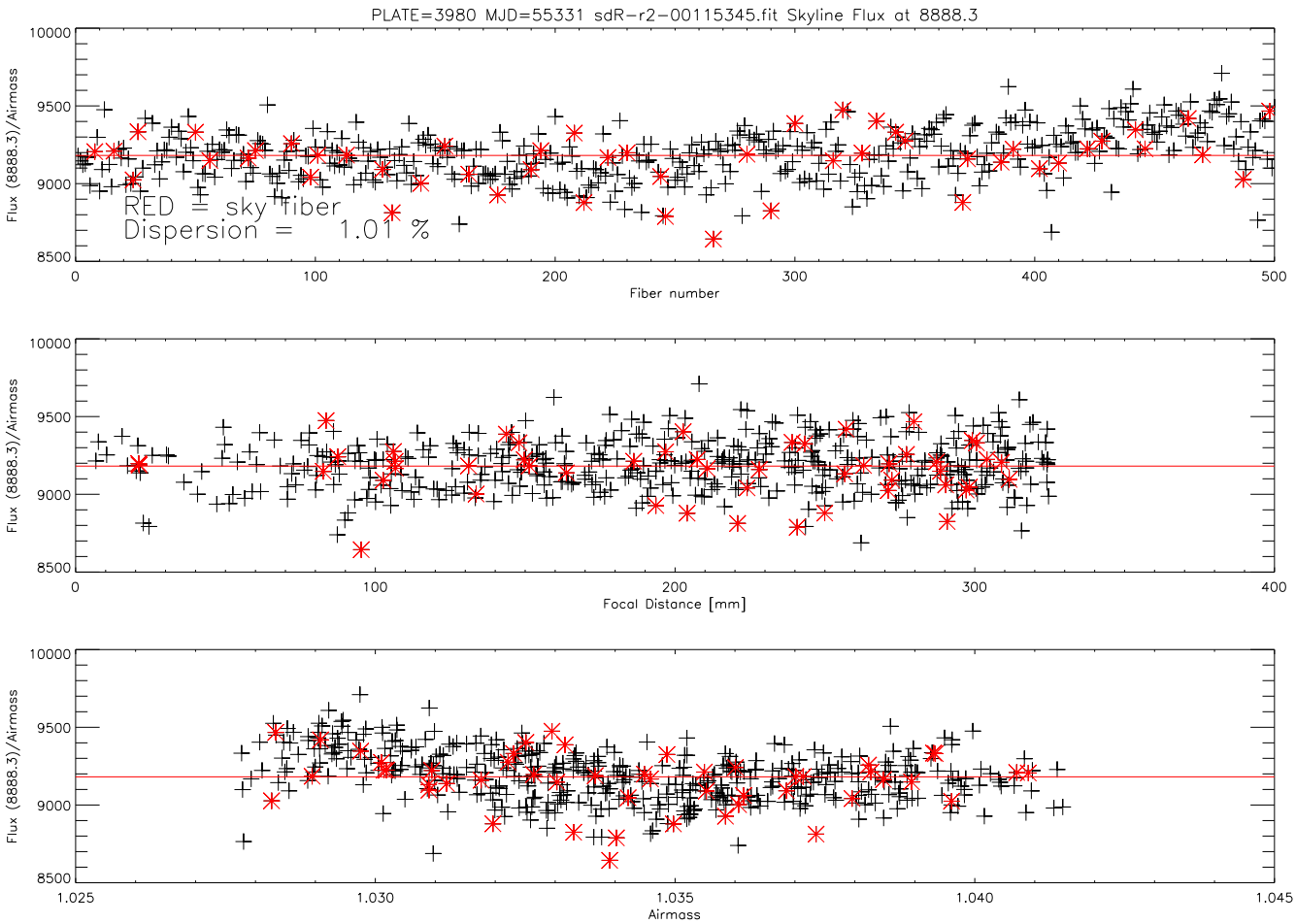

PLATE=3980 MJD=55331 sdR-r2-00115345.fit 2D Sky-subtraction Sky Fibers
Flux [electrons]
5000
4000
3000
2000
1000
0
8820
8840
8860
8880
8900
λ [A]

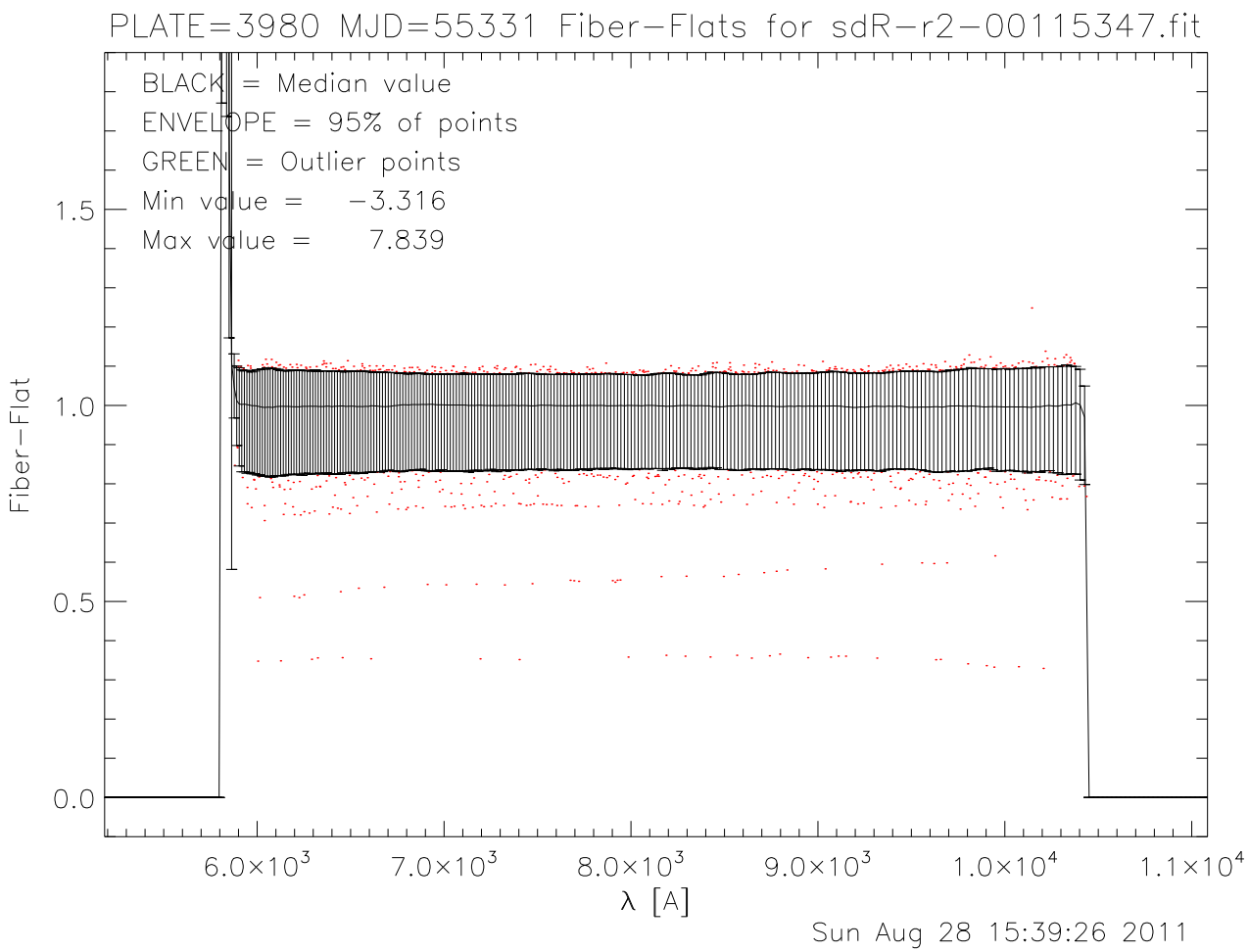

PLATE=3980 MJD=55331 sdR-r2-00115345.fit 2D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
2000
1500
1000
500
0
-500
8820
8840
8860
8880
8900
λ [A]

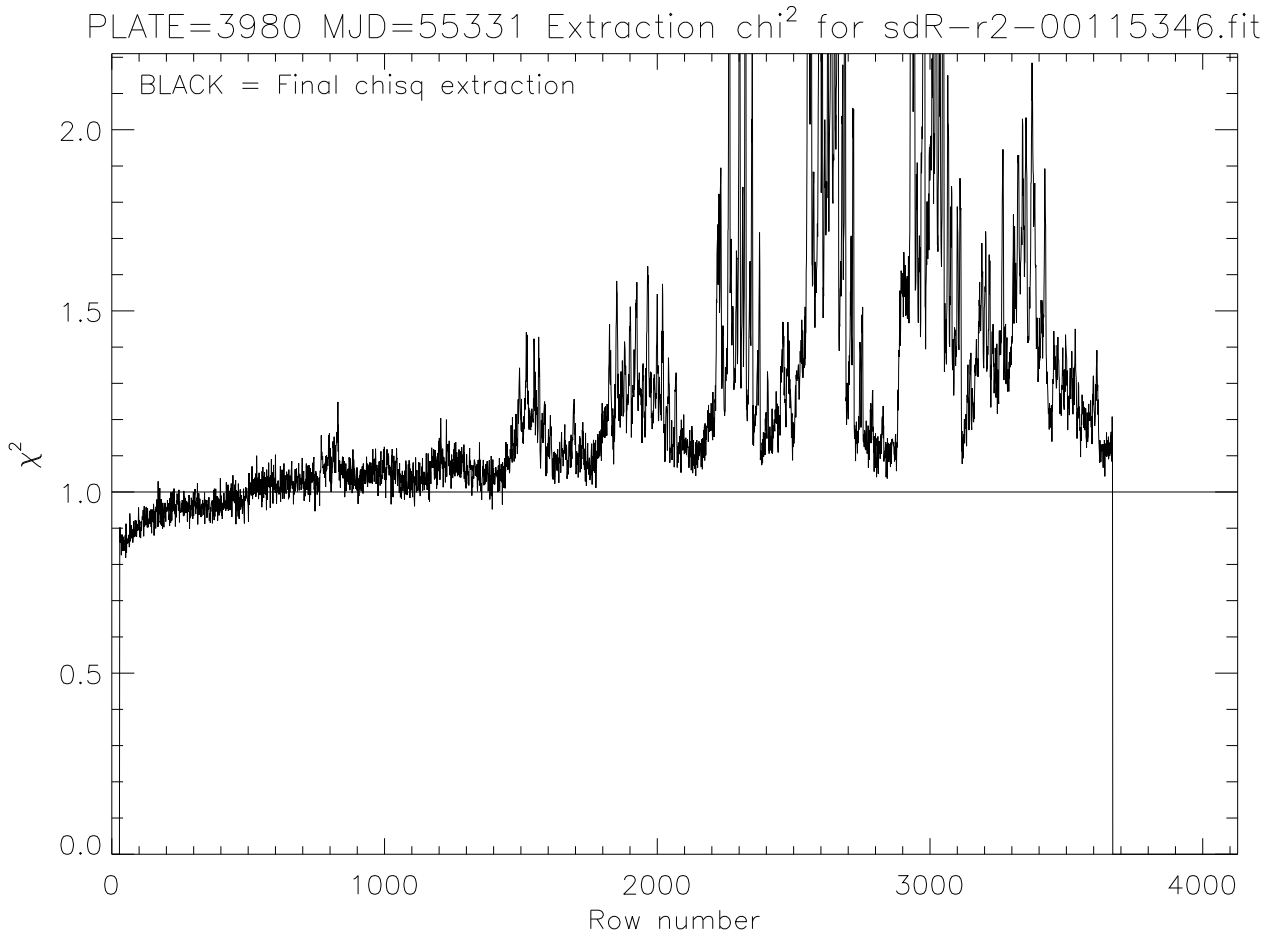
Number of sky fibers = 50

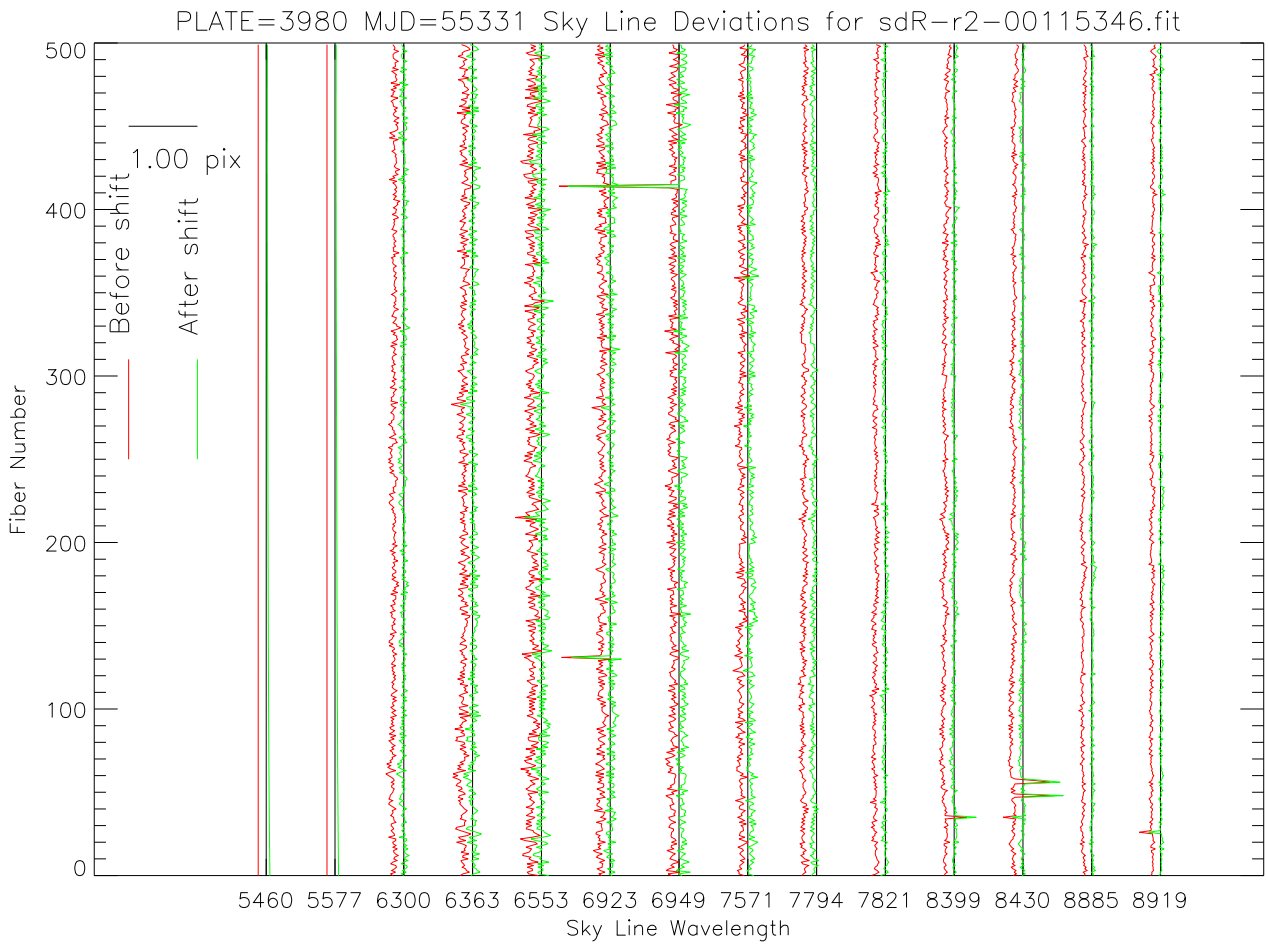


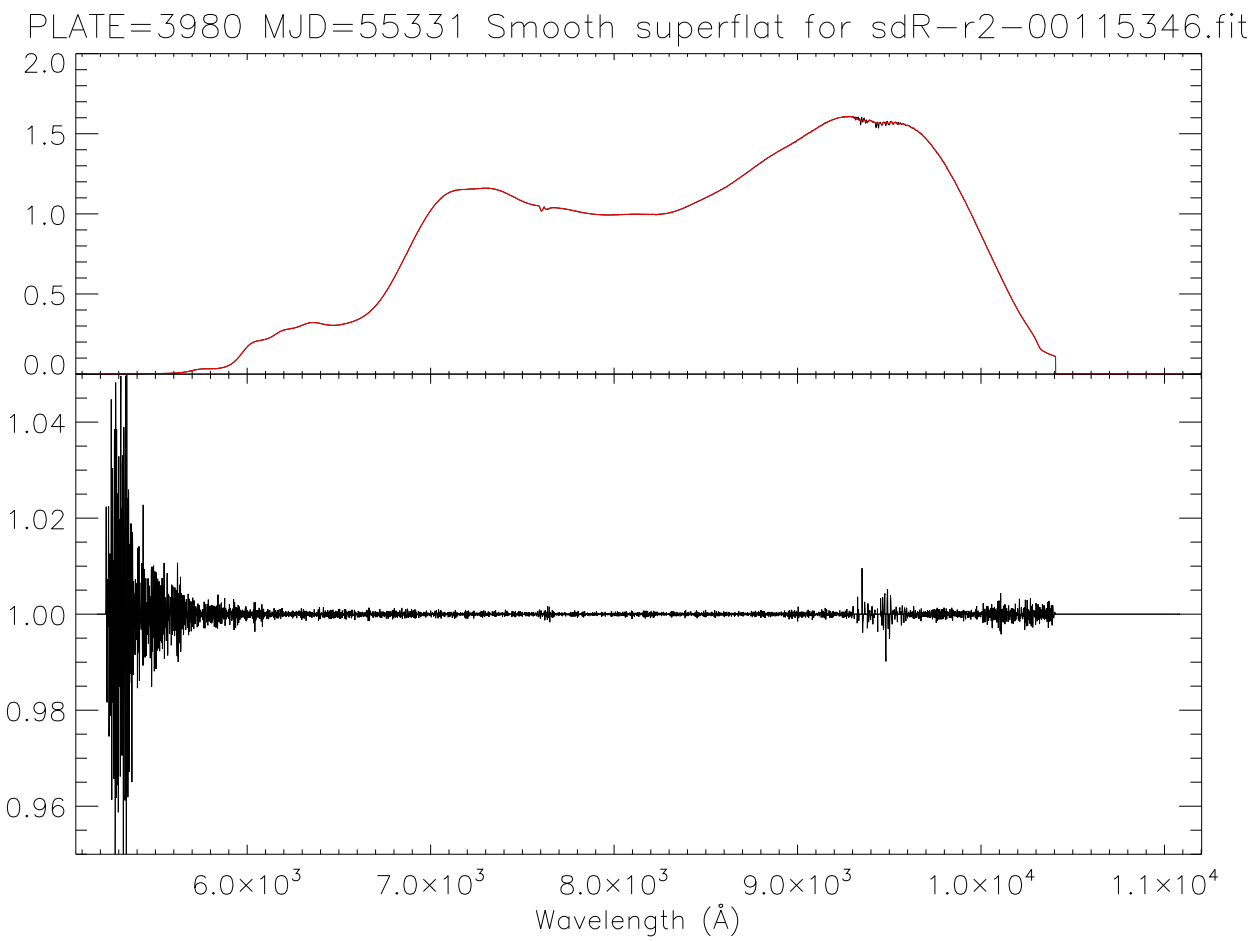

PLATE=3980 MJD=55331 sdR-r2-00115345.fit Skyline Flux at 7343,0
Flux (7343.0)/Airmass
RED = sky fiber
Dispersion = 2.64 %
Fiber number
Flux (7343.0)/Airmass
Focal Distance [mm]
Flux (7343.0)/Airmass
Airmass

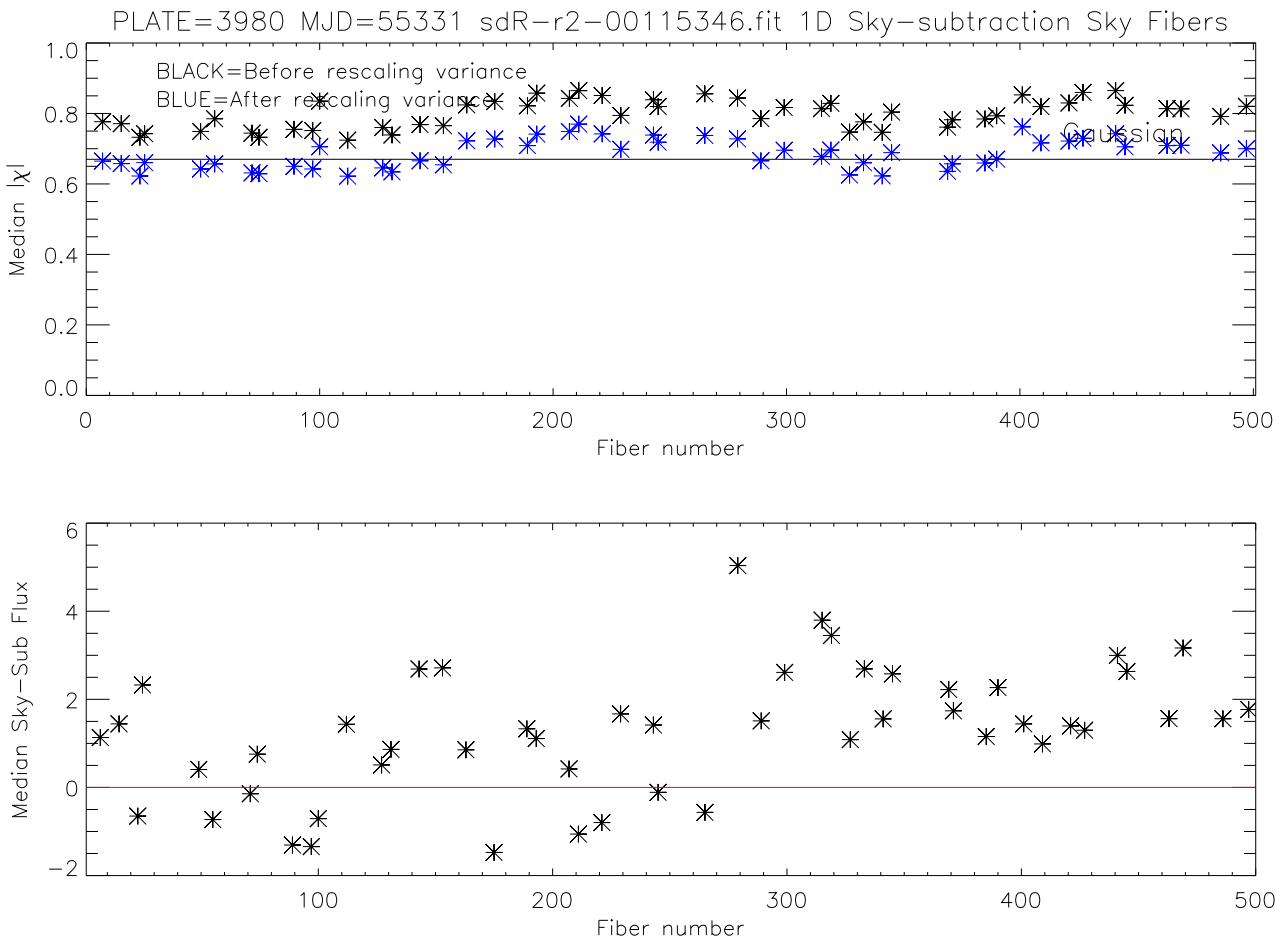

PLATE=3980 MJD=55331 sdR-r2-00115345.fit Skyline Flux at 8888.3
Flux (8888.3)/Airmass
RED = sky fiber
Dispersion = 1.01 %
Fiber number
Focal Distance [mm]
Airmass

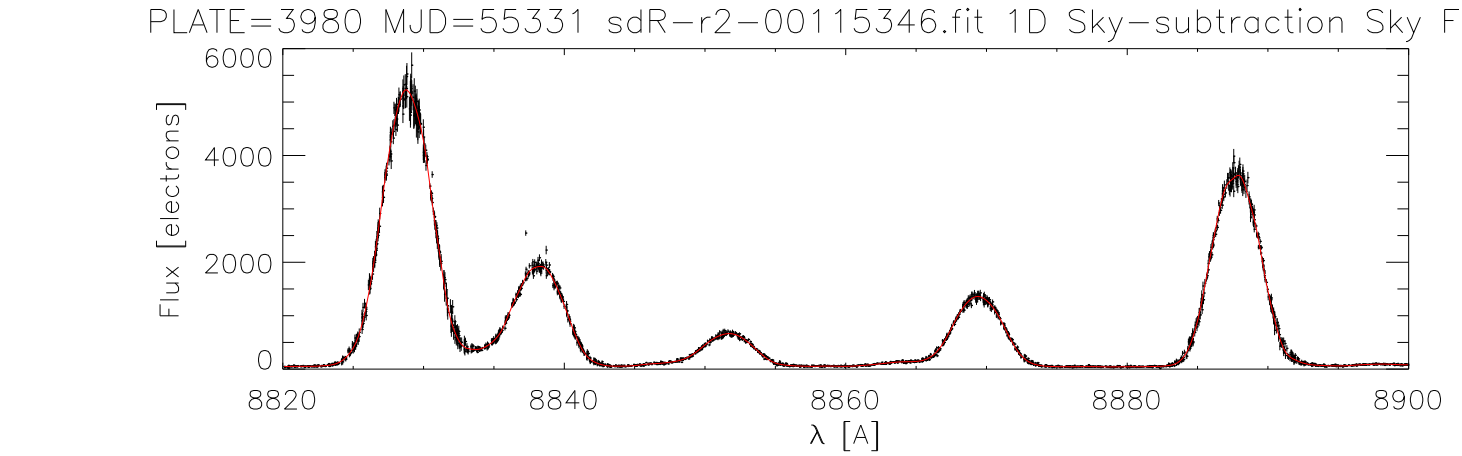

PLATE=3980 MJD=55331 Fiber−Flats for sdR−r2−00115347.fit
BLACK = Median value
ENVELOPE = 95% of points
GREEN = Outlier points
Min value = −3.316
Max value = 7.839
Fiber−Flat
1.5
1.0
0.5
0.0
6.0×10^3
7.0×10^3
8.0×10^3
9.0×10^3
1.0×10^4
1.1×10^4
λ [A]
Sun Aug 28 15:39:26 2011

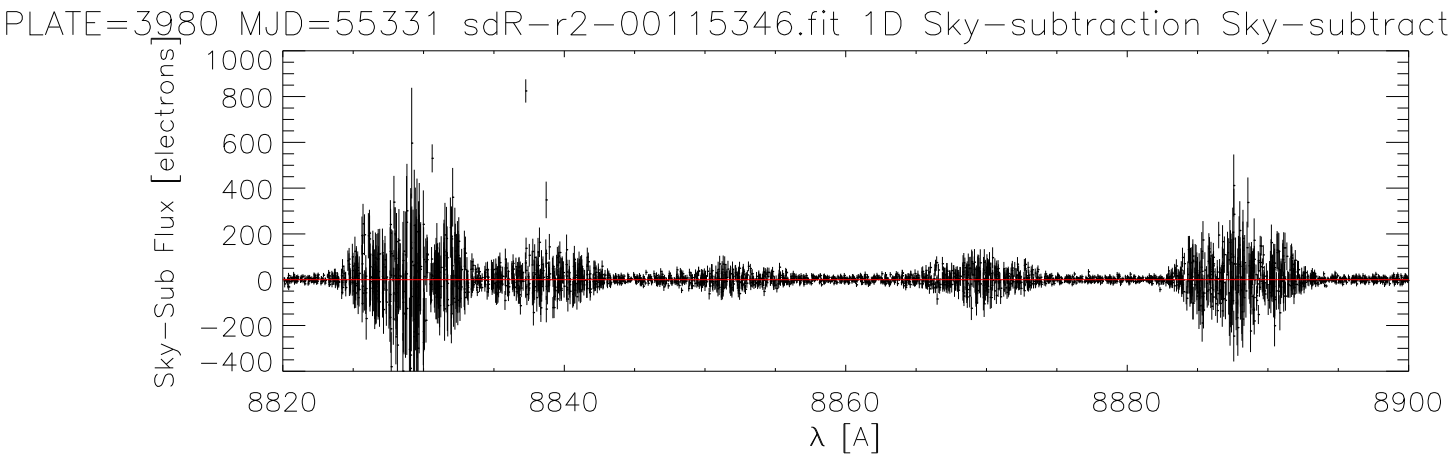

PLATE=3980 MJD=55331 Extraction chi^2 for sdR−r2−00115346.fit
BLACK = Final chisq extraction
χ^2
2.0
1.5
1.0
0.5
0.0
0
1000
2000
3000
4000
Row number


PLATE=3980 MJD=55331 Sky Line Deviations for sdR-r2-00115346.fit
Before shift
After shift
1.00 pix
Fiber Number
0
100
200
300
400
500
5460 5577 6300 6363 6553 6923 6949 7571 7794 7821 8399 8430 8885 8919
Sky Line Wavelength

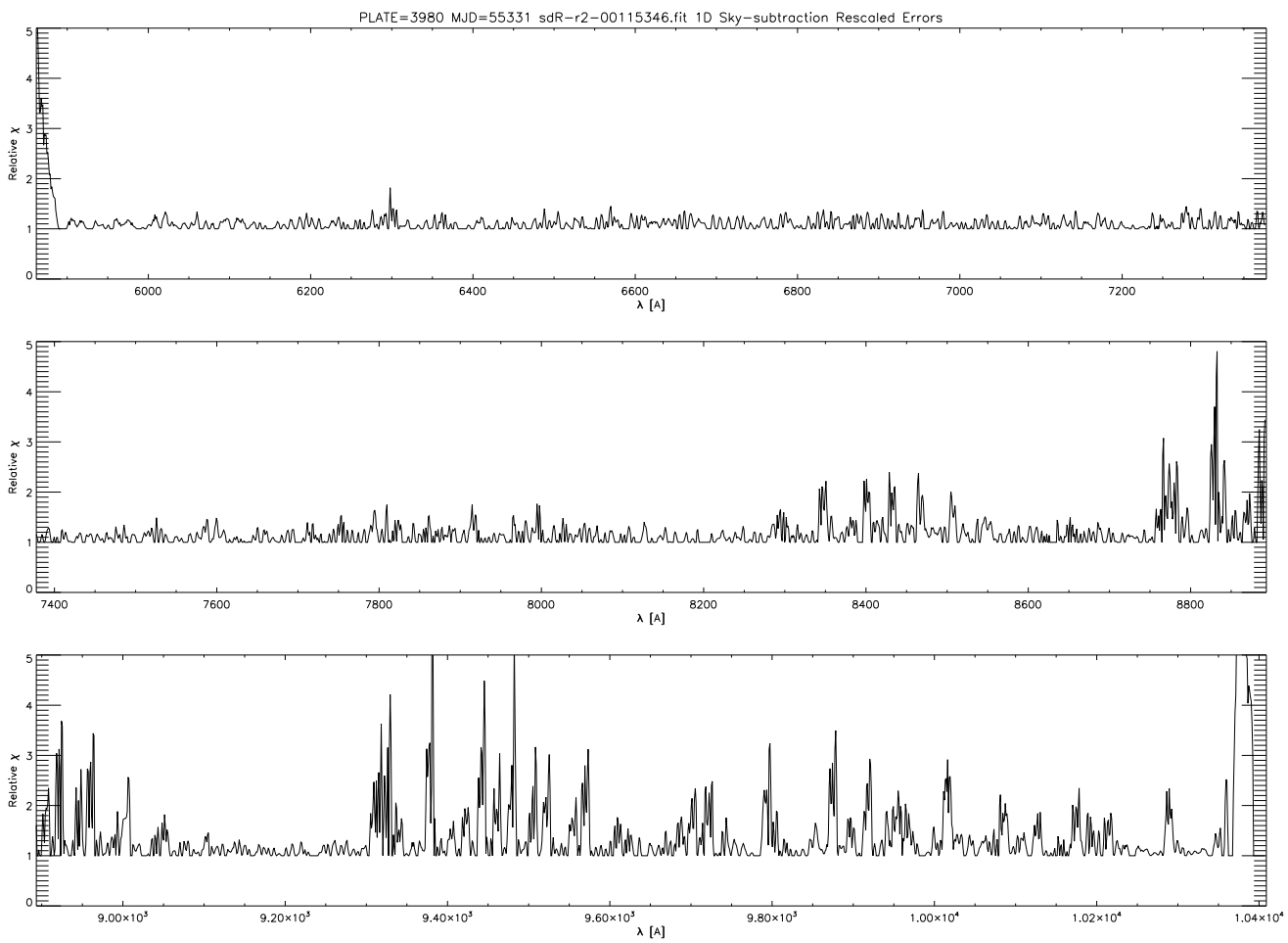

PLATE=3980 MJD=55331 Smooth superflat for sdR-r2-00115346.fit
2.0
1.5
1.0
0.5
0.0
1.04
1.02
1.00
0.98
0.96
6.0×10^3
7.0×10^3
8.0×10^3
9.0×10^3
1.0×10^4
1.1×10^4
Wavelength (Å)

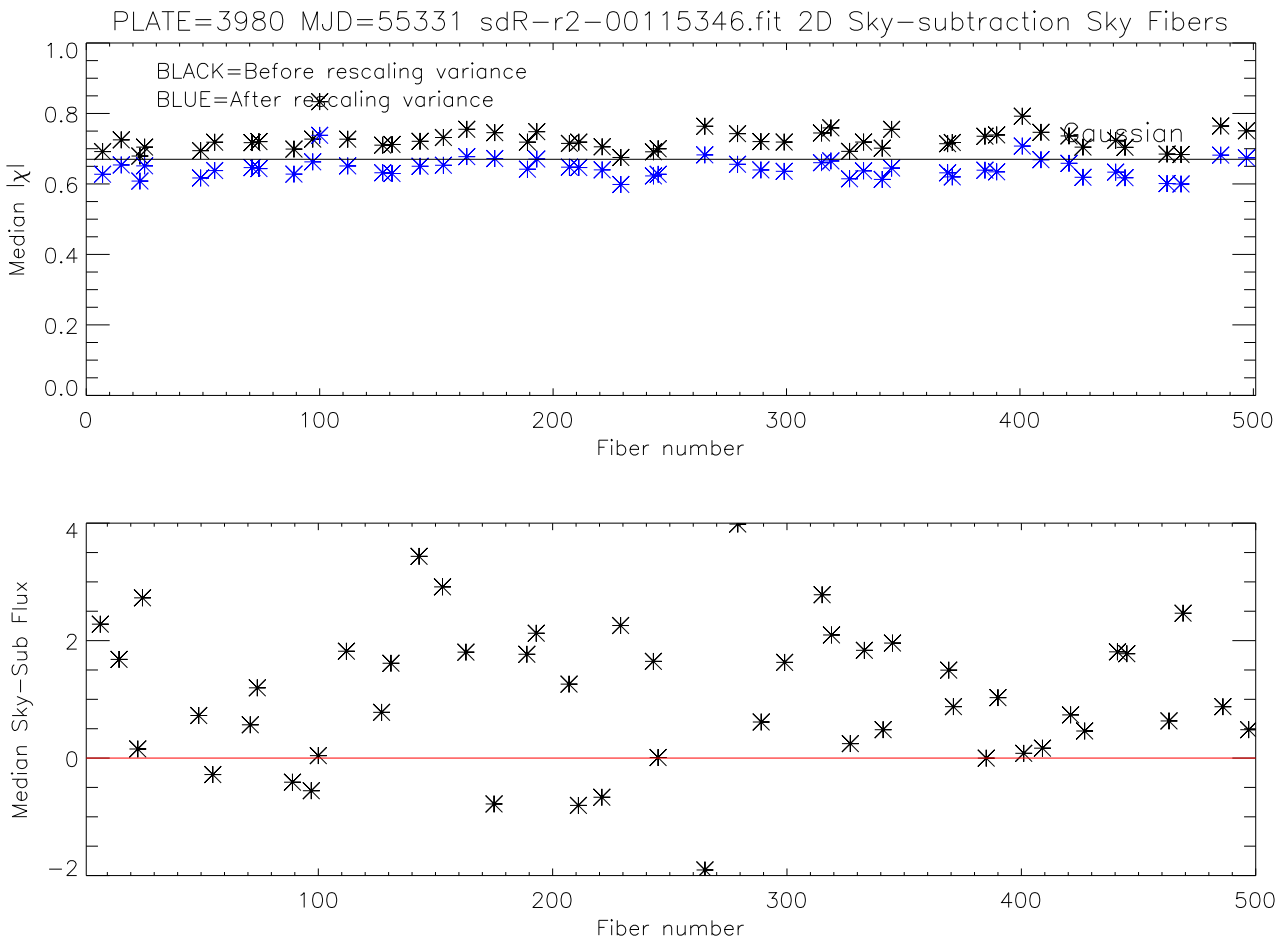

PLATE=3980 MJD=55331 sdR-r2-00115346.fit 1D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

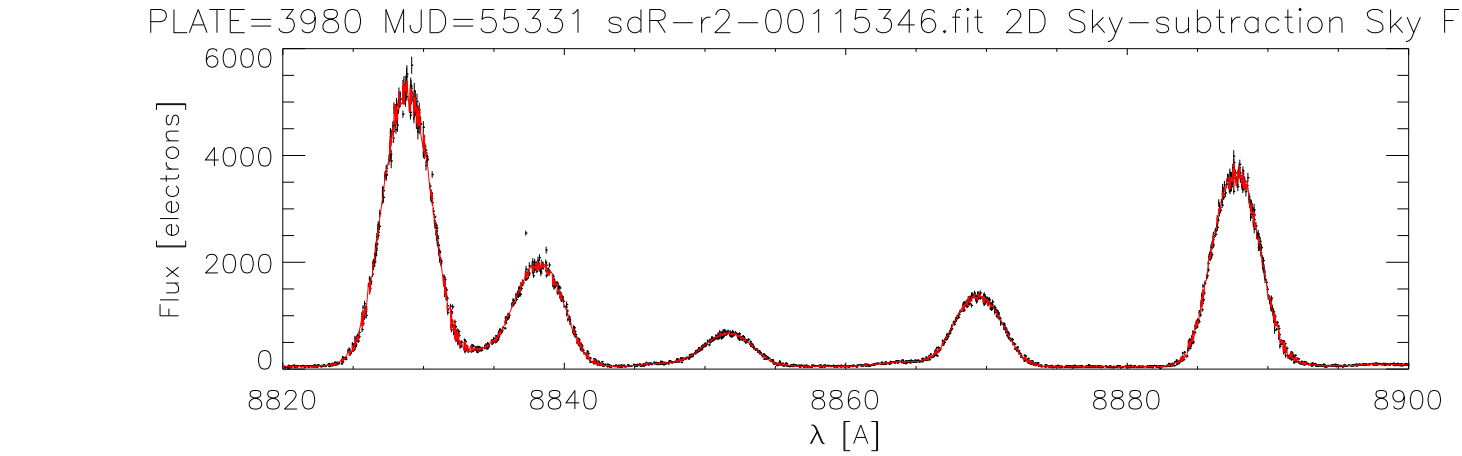

PLATE=3980 MJD=55331 sdR-r2-00115346.fit 1D Sky-subtraction Sky Fibers
Flux [electrons]
6000
4000
2000
0
8820
8840
8860
8880
8900
λ [A]

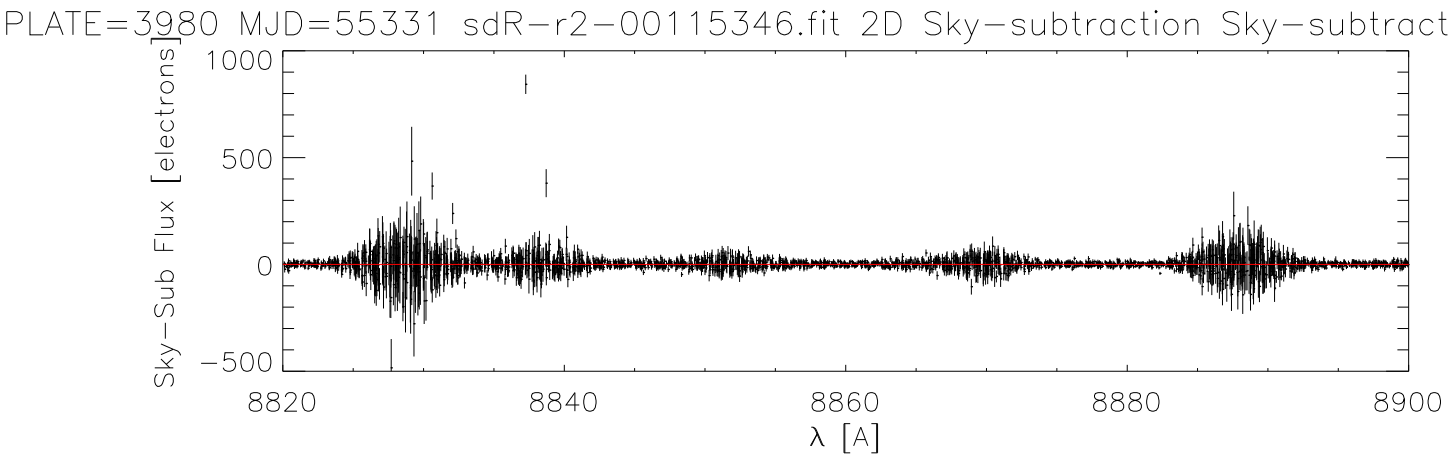

PLATE=3980 MJD=55331 sdR-r2-00115346.fit 1D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
1000
800
600
400
200
0
-200
-400
8820
8840
8860
8880
8900
λ [A]

Number of sky fibers = 50

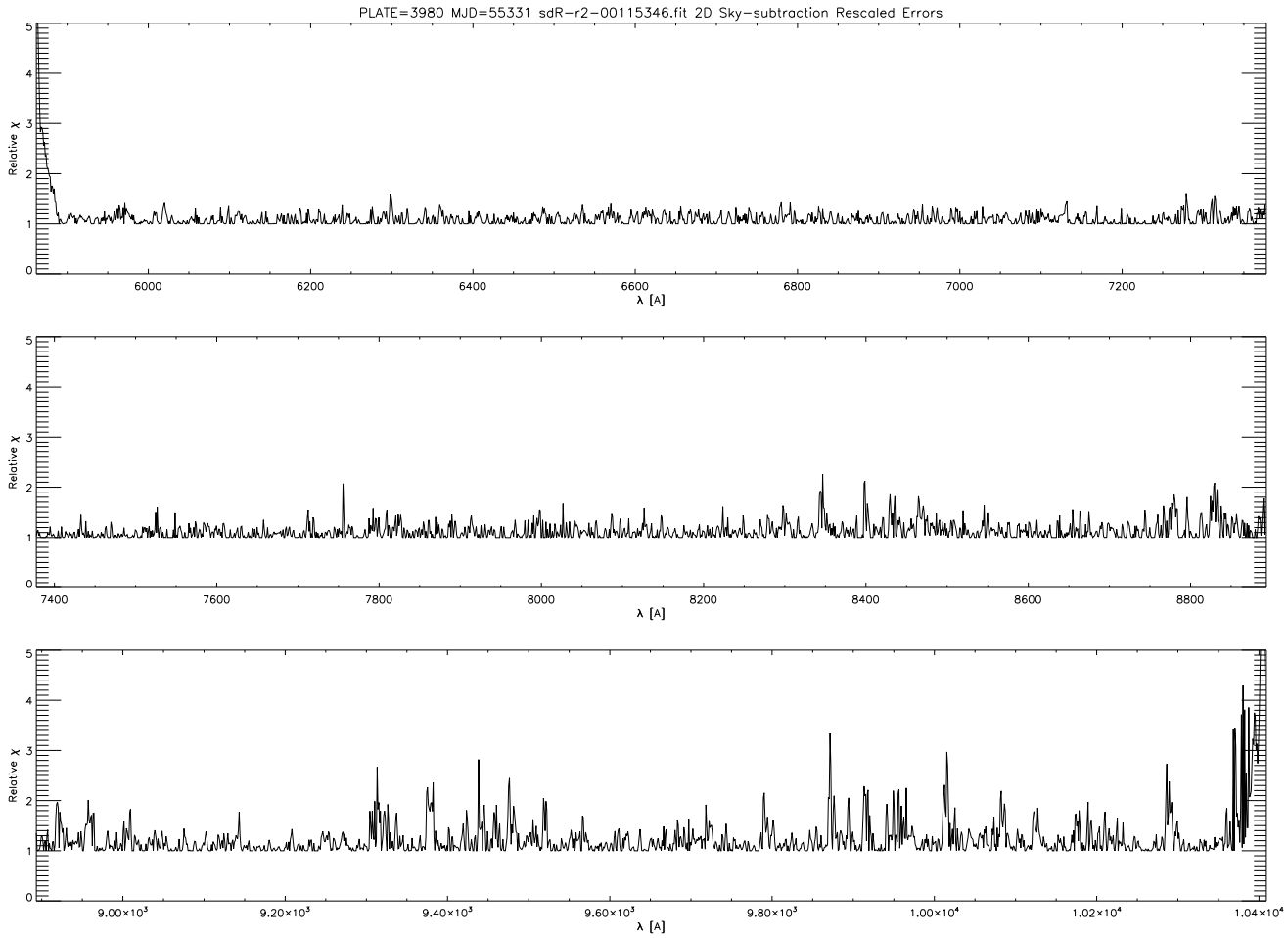


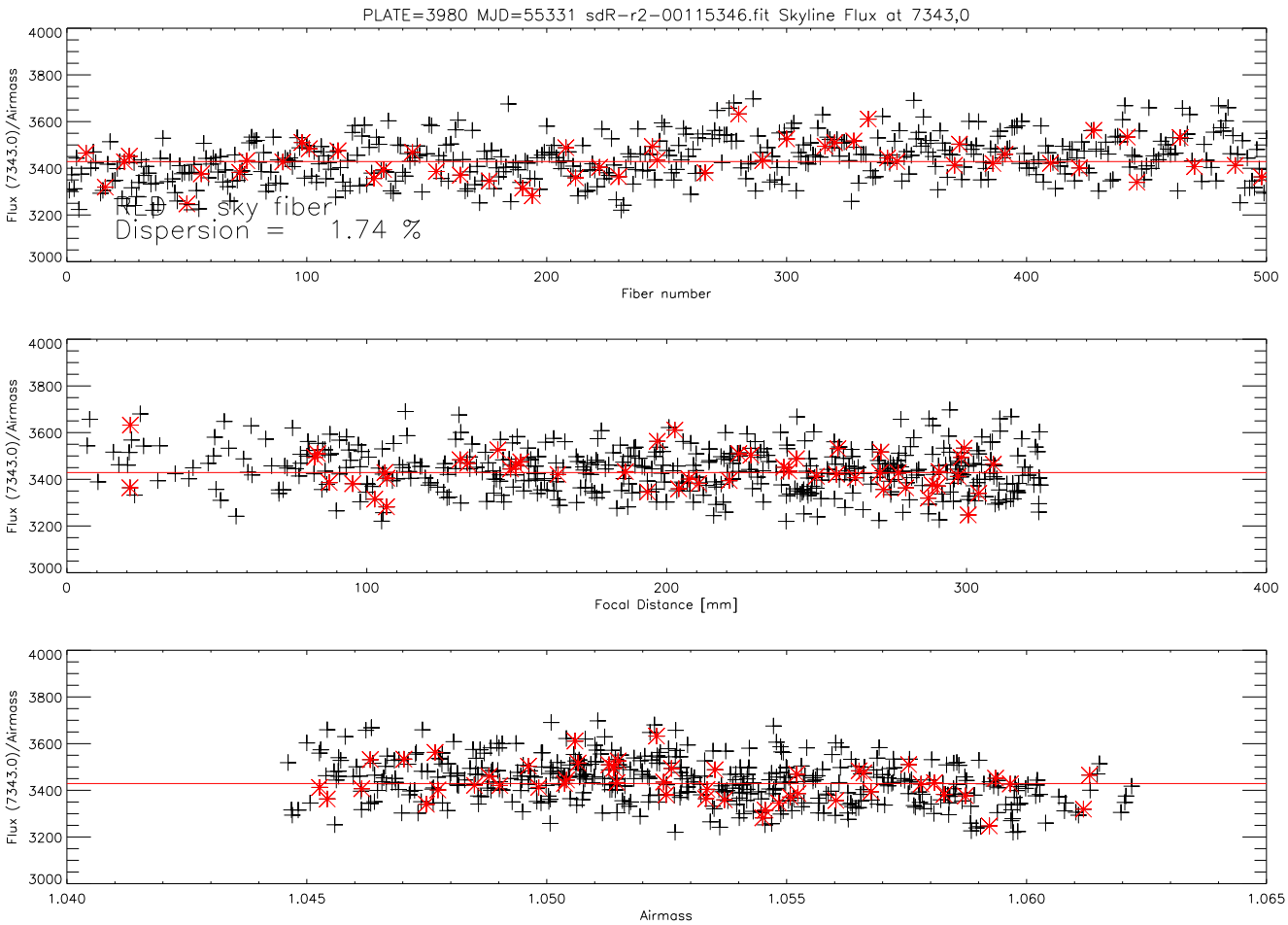

PLATE=3980 MJD=55331 sdR-r2-00115346.fit 2D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

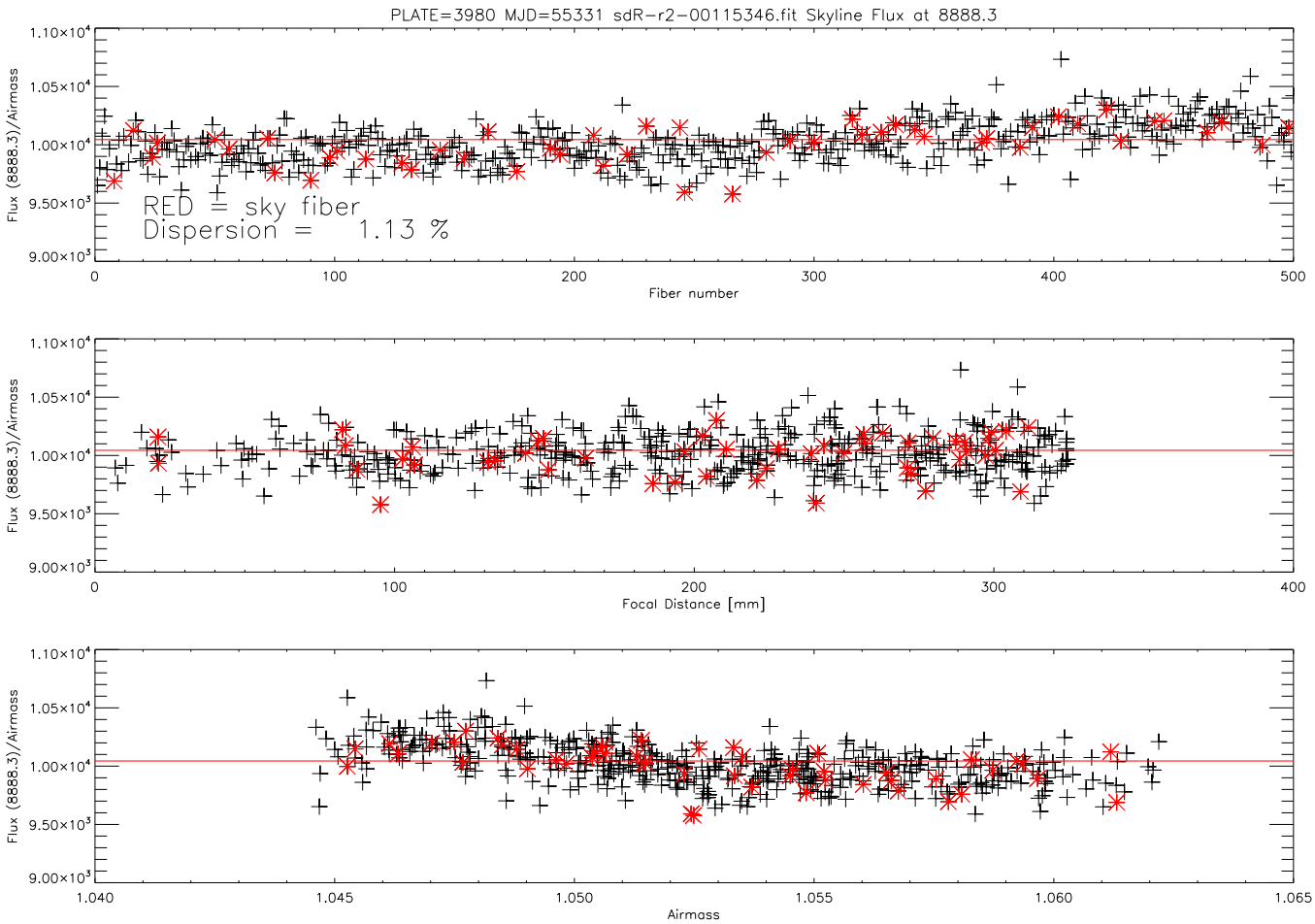

PLATE=3980 MJD=55331 sdR-r2-00115346.fit 2D Sky-subtraction Sky Fibers
Flux [electrons]
6000
4000
2000
0
8820
8840
8860
8880
8900
λ [A]


PLATE=3980 MJD=55331 sdR-r2-00115346.fit 2D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
1000
500
0
-500
8820
8840
8860
8880
8900
λ [A]

Number of sky fibers = 50




PLATE=3980 MJD=55331 sdR-r2-00115346.fit Skyline Flux at 7343,0
Flux (7343.0)/Airmass
Fiber number
Red sky fiber
Dispersion = 1.74 %
Focal Distance [mm]
Airmass


PLATE=3980 MJD=55331 sdR-r2-00115346.fit Skyline Flux at 8888.3
Flux (8888.3)/Airmass
1.10×10⁴
1.05×10⁴
1.00×10⁴
9.50×10³
9.00×10³
RED = sky fiber
Dispersion = 1.13 %
0
100
200
300
400
500
Fiber number
Flux (8888.3)/Airmass
Focal Distance [mm]
Flux (8888.3)/Airmass
1.040
1.045
1.050
1.055
1.060
1.065
Airmass