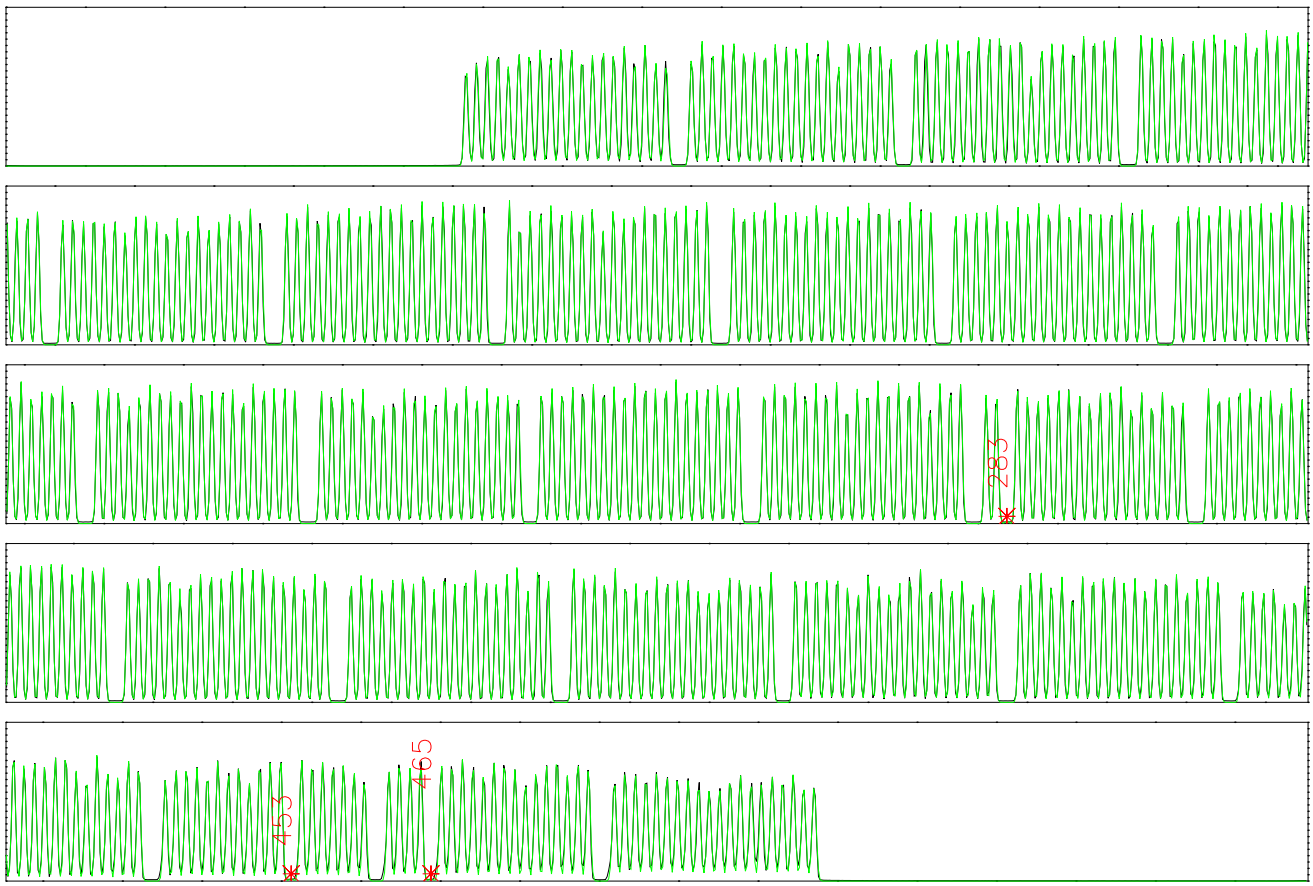
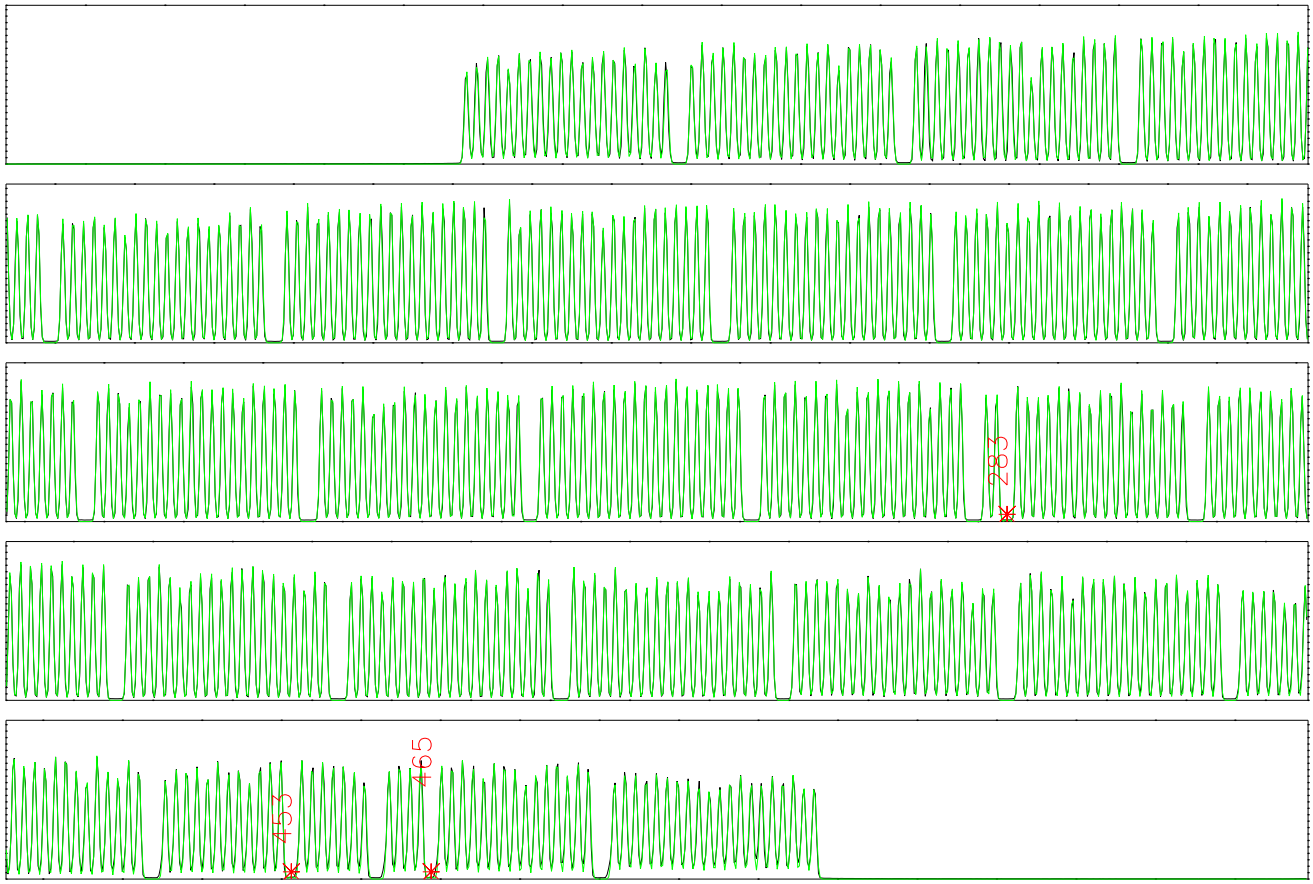
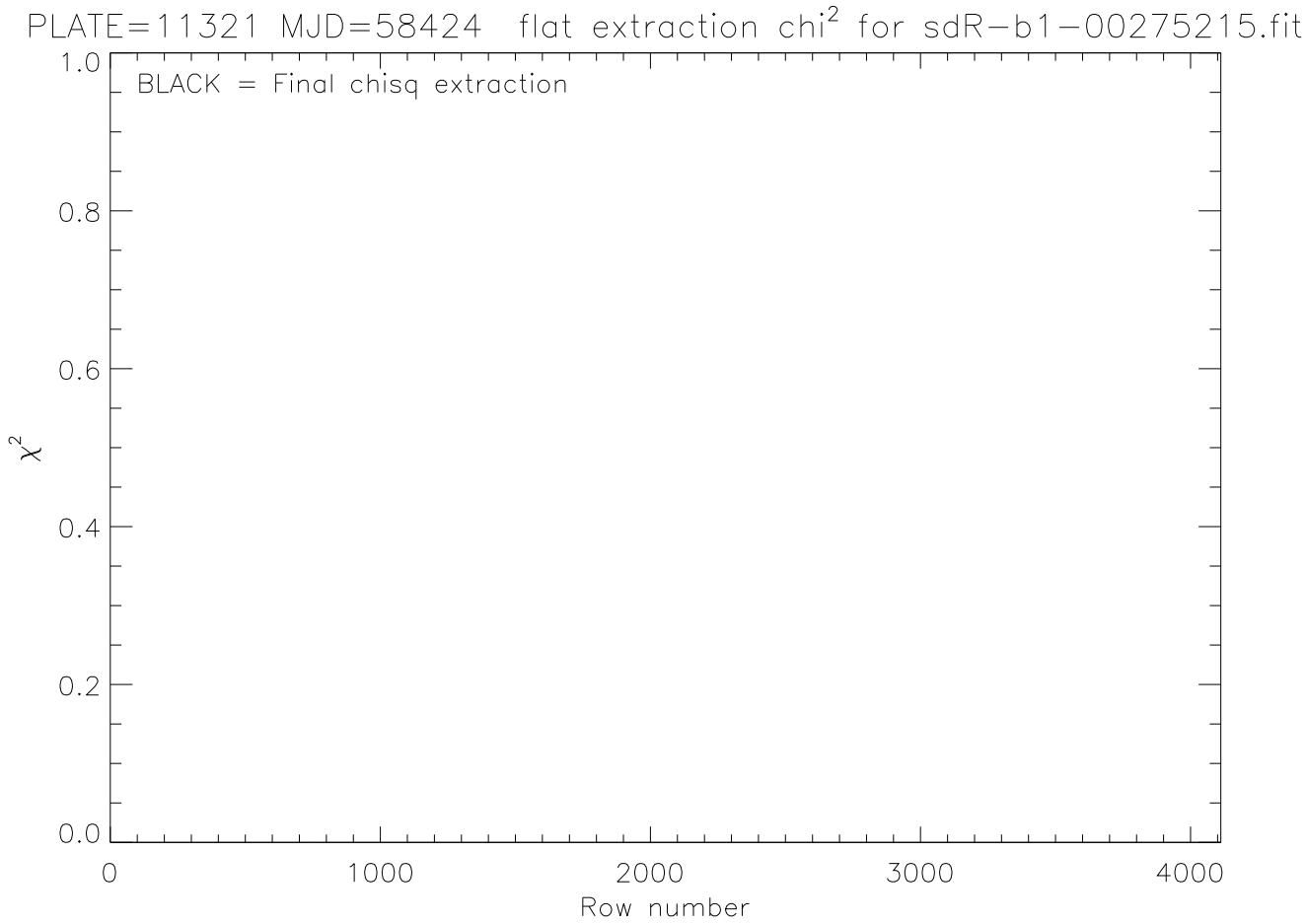
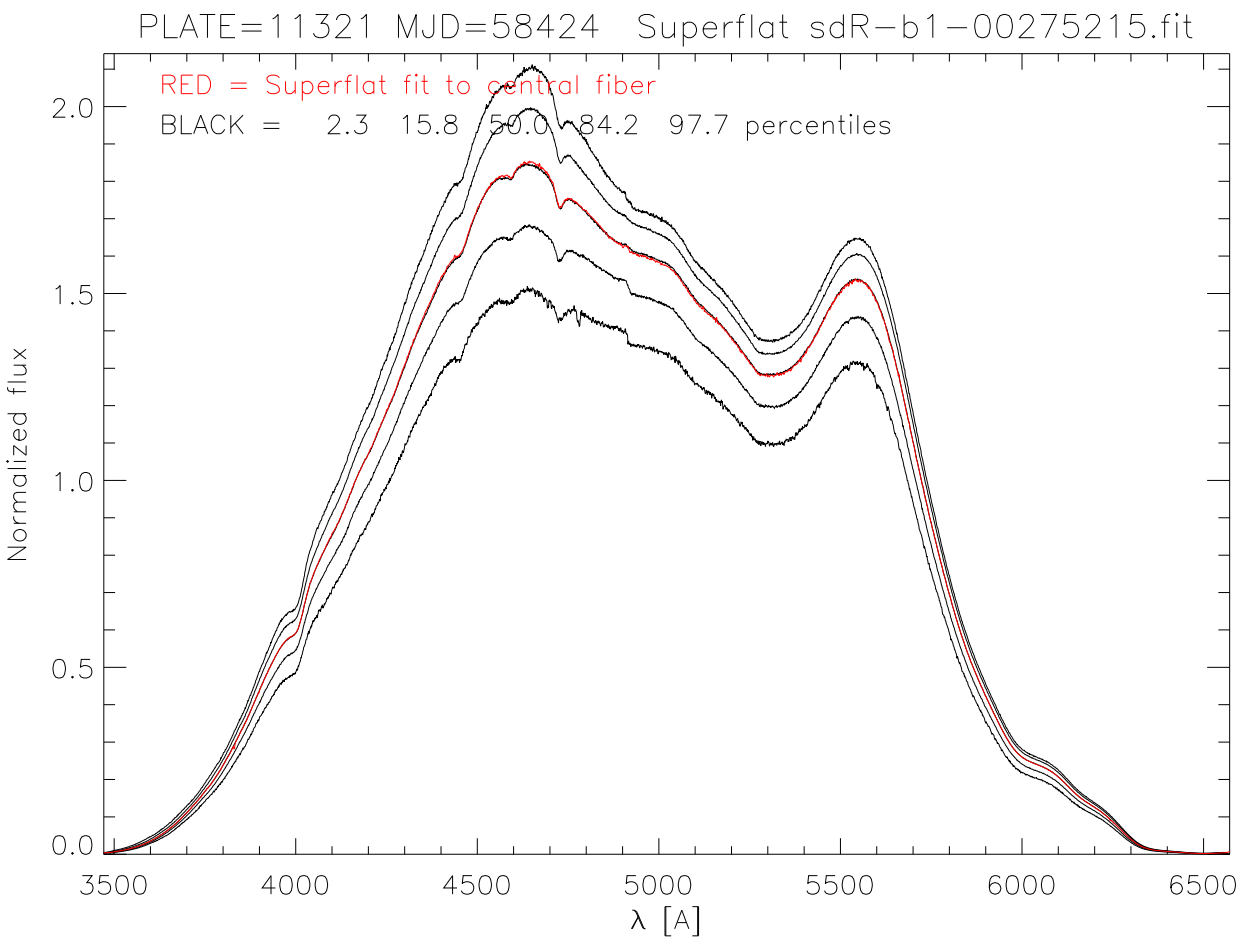
PLATE=11321 MJD=58424 Traces sdR-b1-00275215.fit

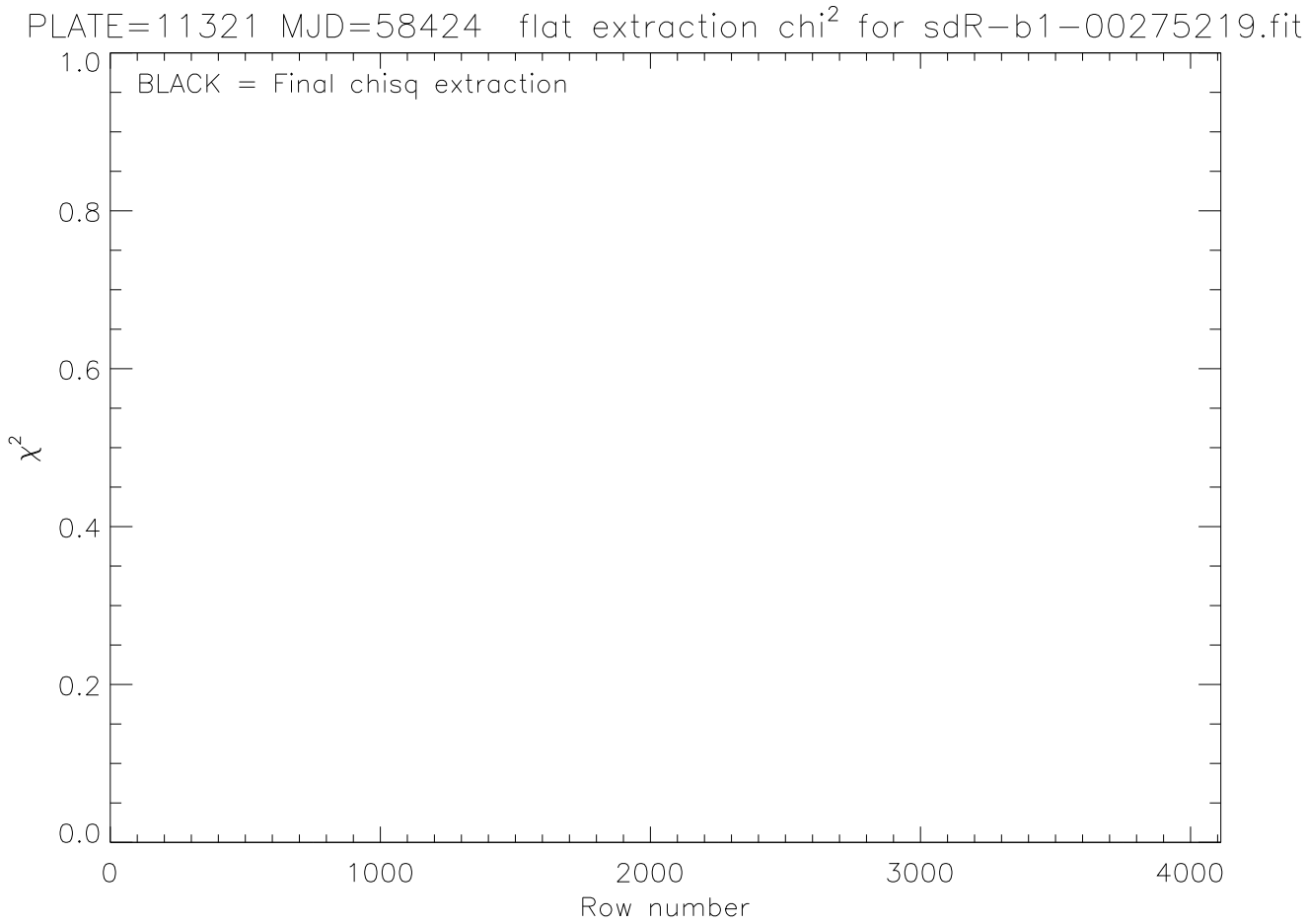


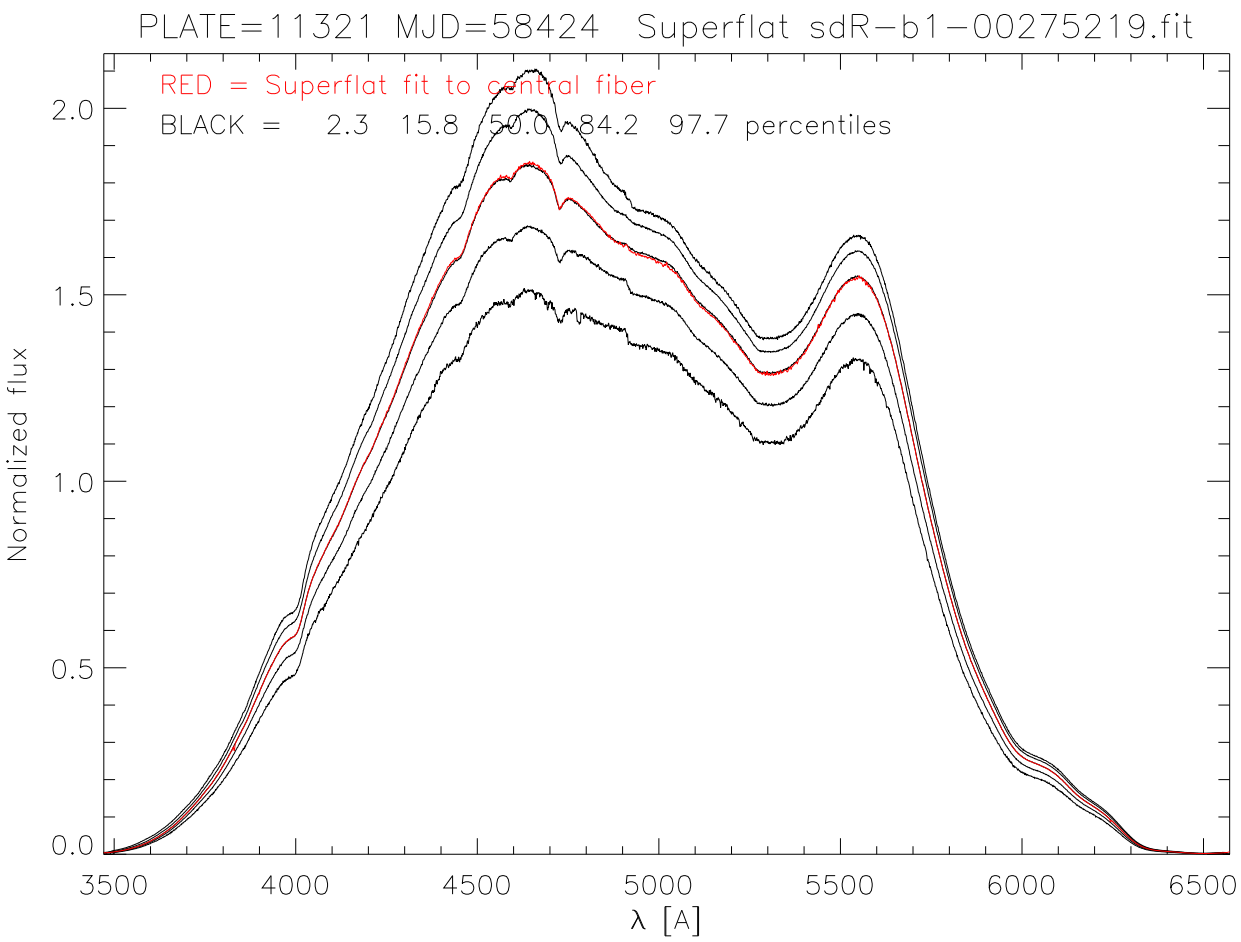
PLATE=11321 MJD=58424 Traces sdR-b1-00275219.fit

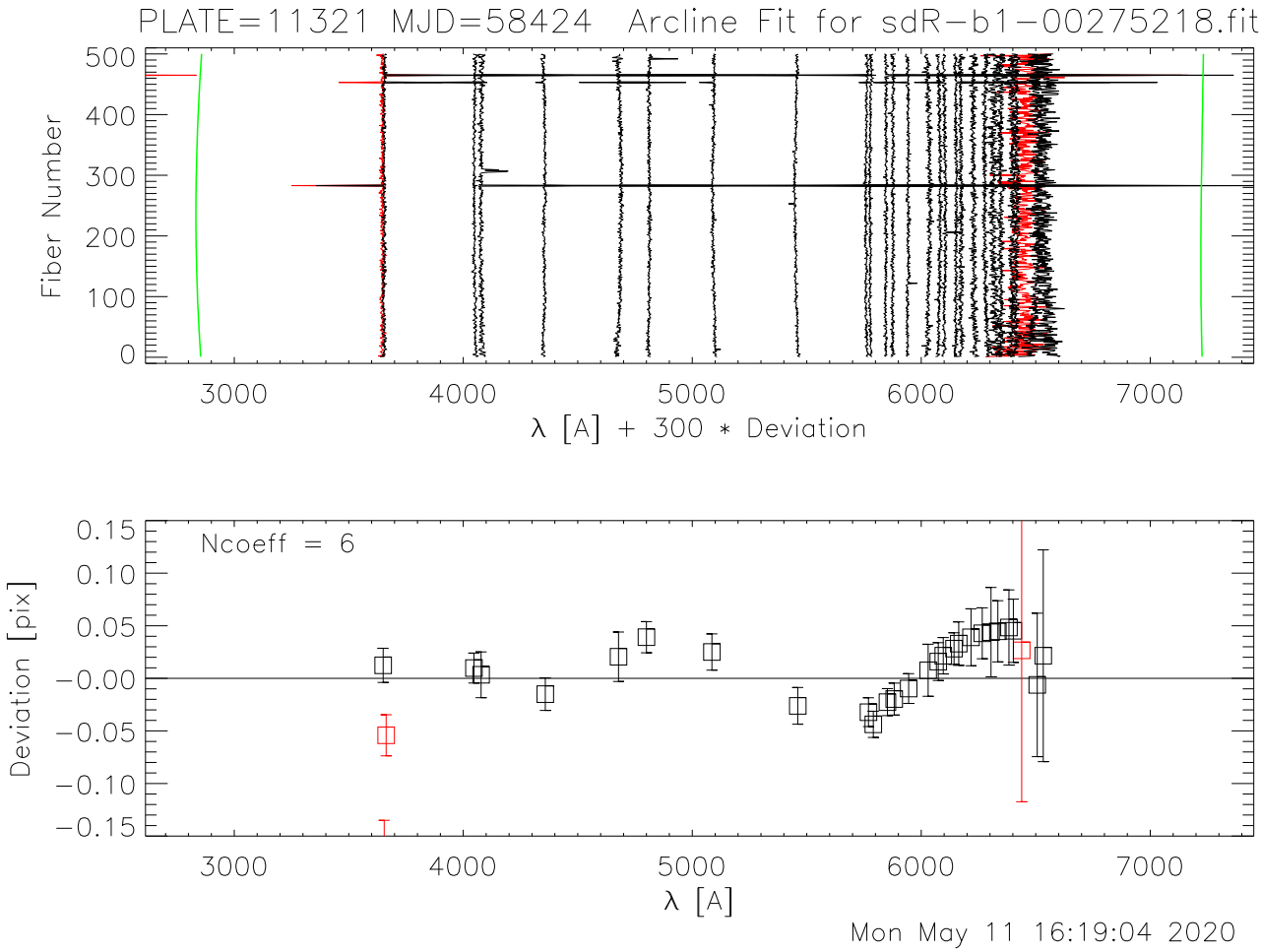


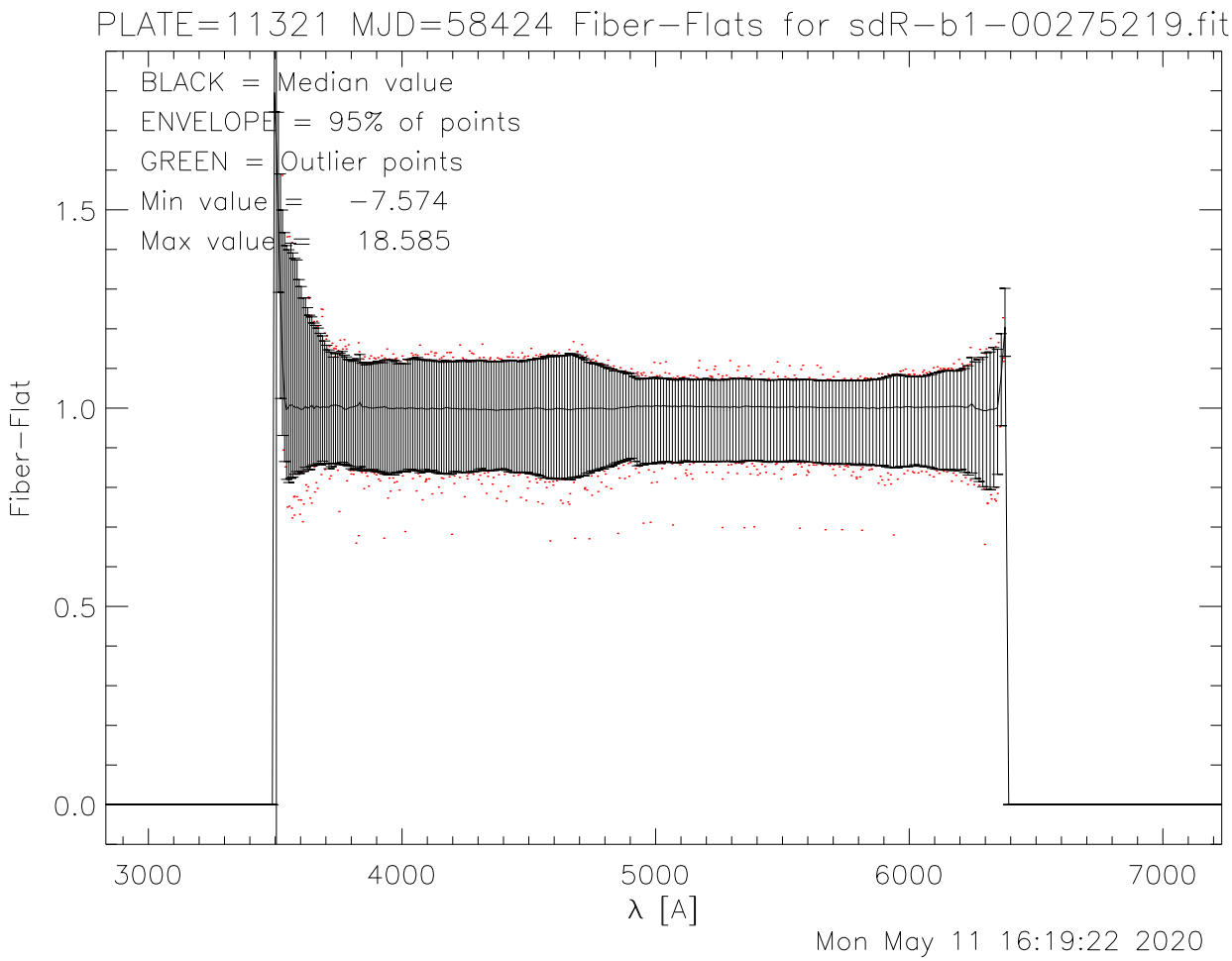

PLATE=11321 MJD=58424 flat extraction chi^2 for sdR-b1-00275215.fit
BLACK = Final chisq extraction
1.0
0.8
0.6
0.4
0.2
0.0
χ^2
0
1000
2000
3000
4000
Row number

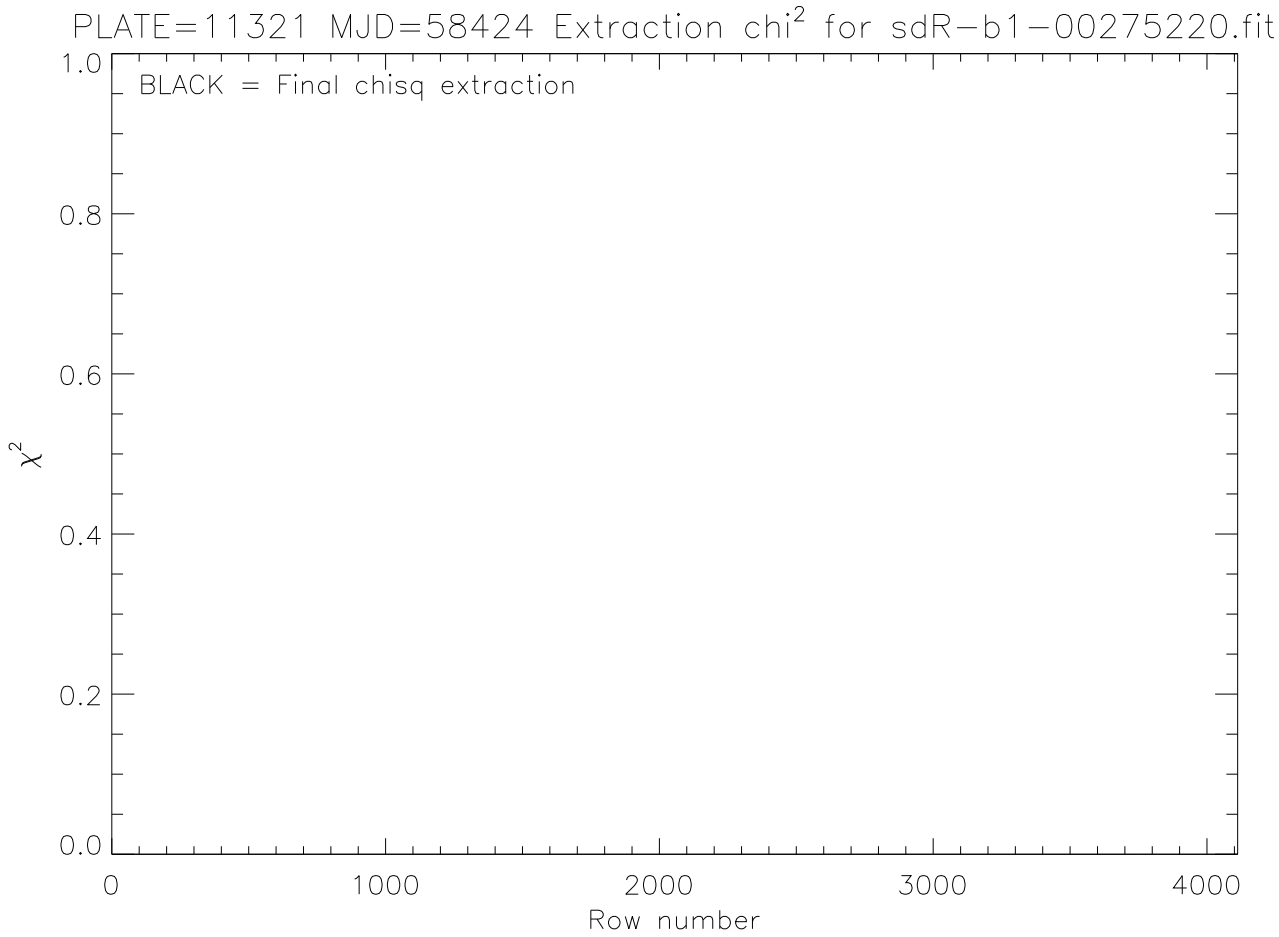

PLATE=11321 MJD=58424 Superflat sdR-b1-00275215.fit
RED = Superflat fit to central fiber
BLACK = 2.3 15.8 50.0 84.2 97.7 percentiles
Normalized flux
λ [A]
0.0
0.5
1.0
1.5
2.0
3500
4000
4500
5000
5500
6000
6500

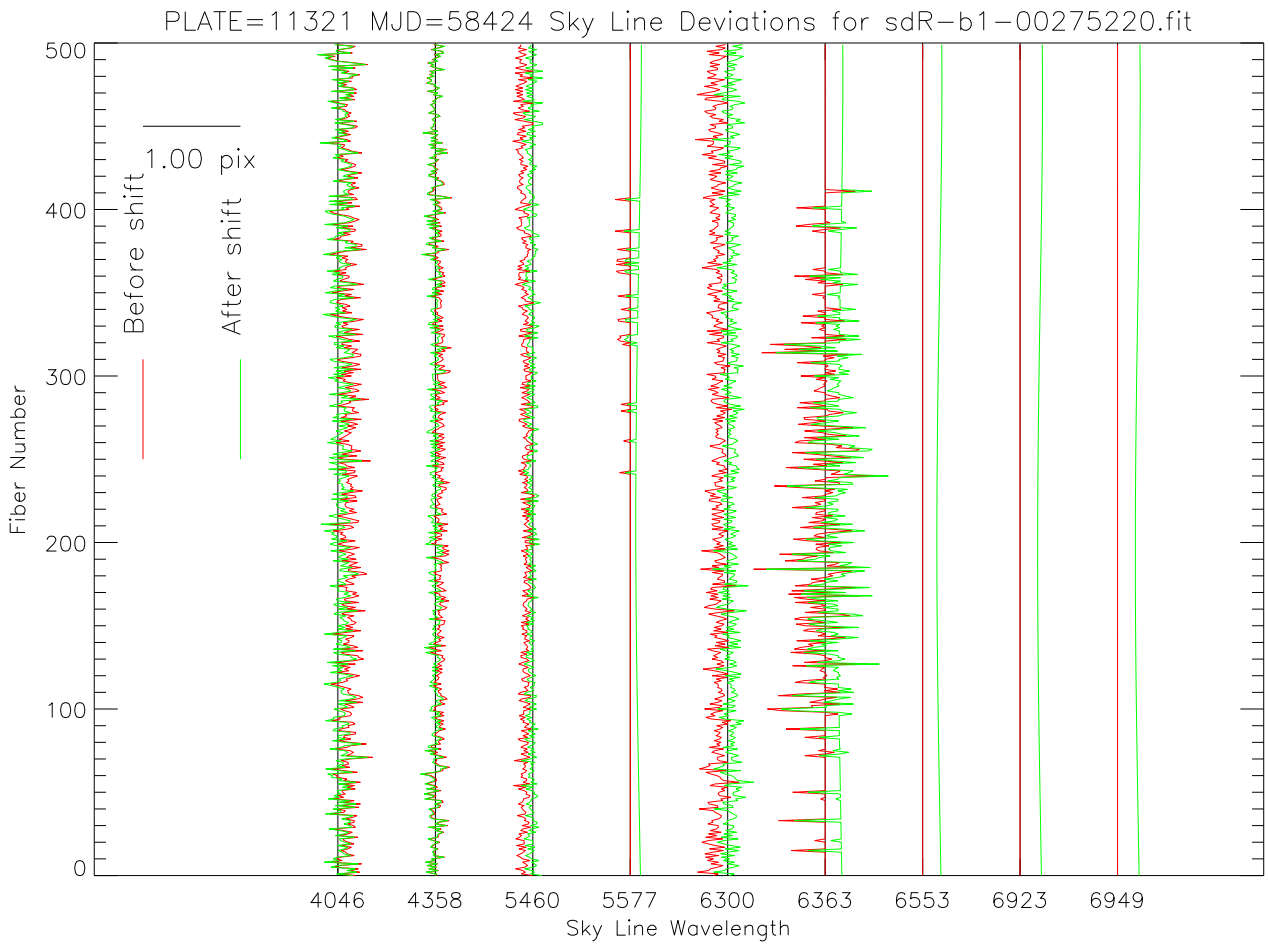

PLATE=11321 MJD=58424 flat extraction chi^2 for sdR−b1−00275219.fit
BLACK = Final chisq extraction
1.0
0.8
0.6
0.4
0.2
0.0
χ^2
0
1000
2000
3000
4000
Row number

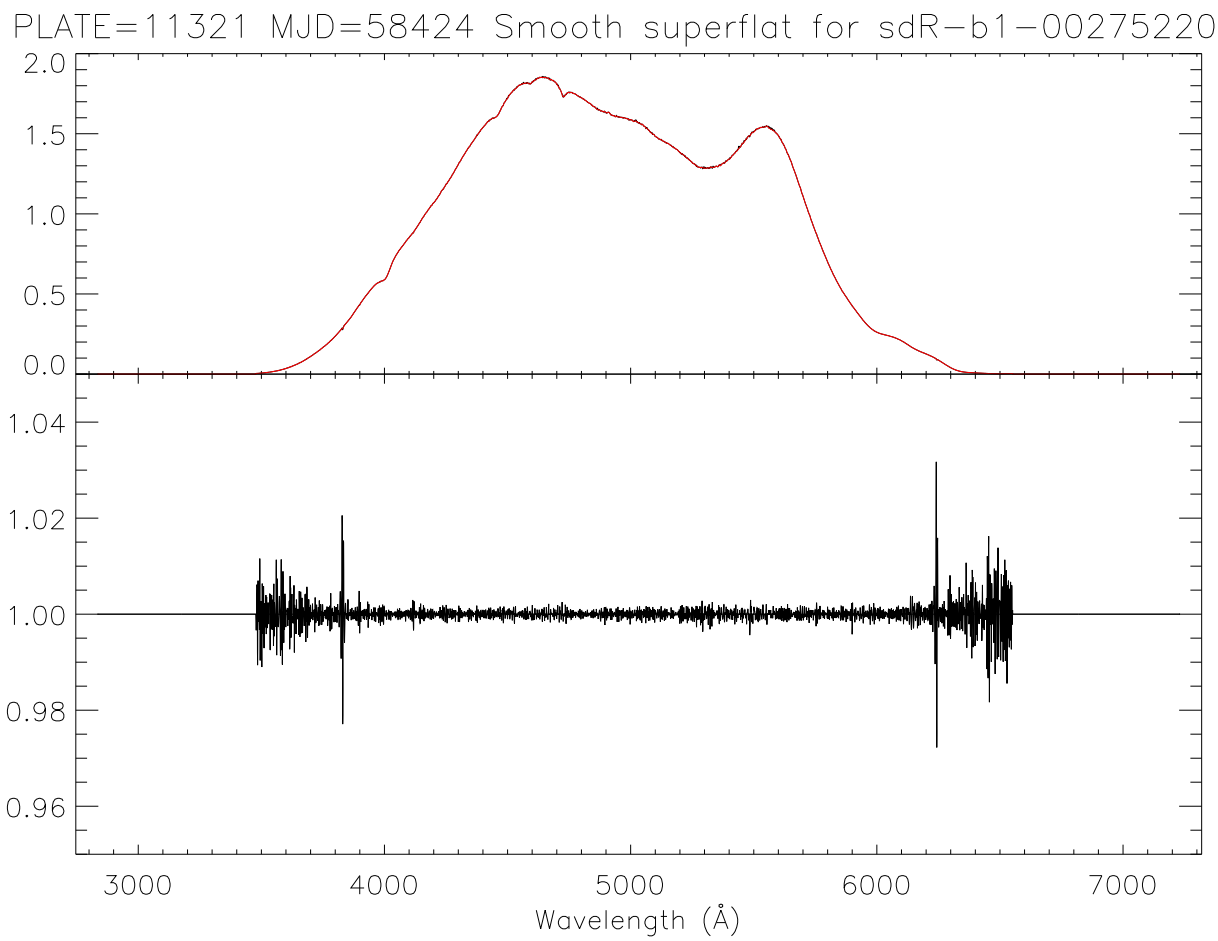

PLATE=11321 MJD=58424 Superflat sdR-b1-00275219.fit
RED = Superflat fit to central fiber
BLACK = 2.3 15.8 50.0 84.2 97.7 percentiles
Normalized flux
λ [A]
0.0
0.5
1.0
1.5
2.0
3500
4000
4500
5000
5500
6000
6500

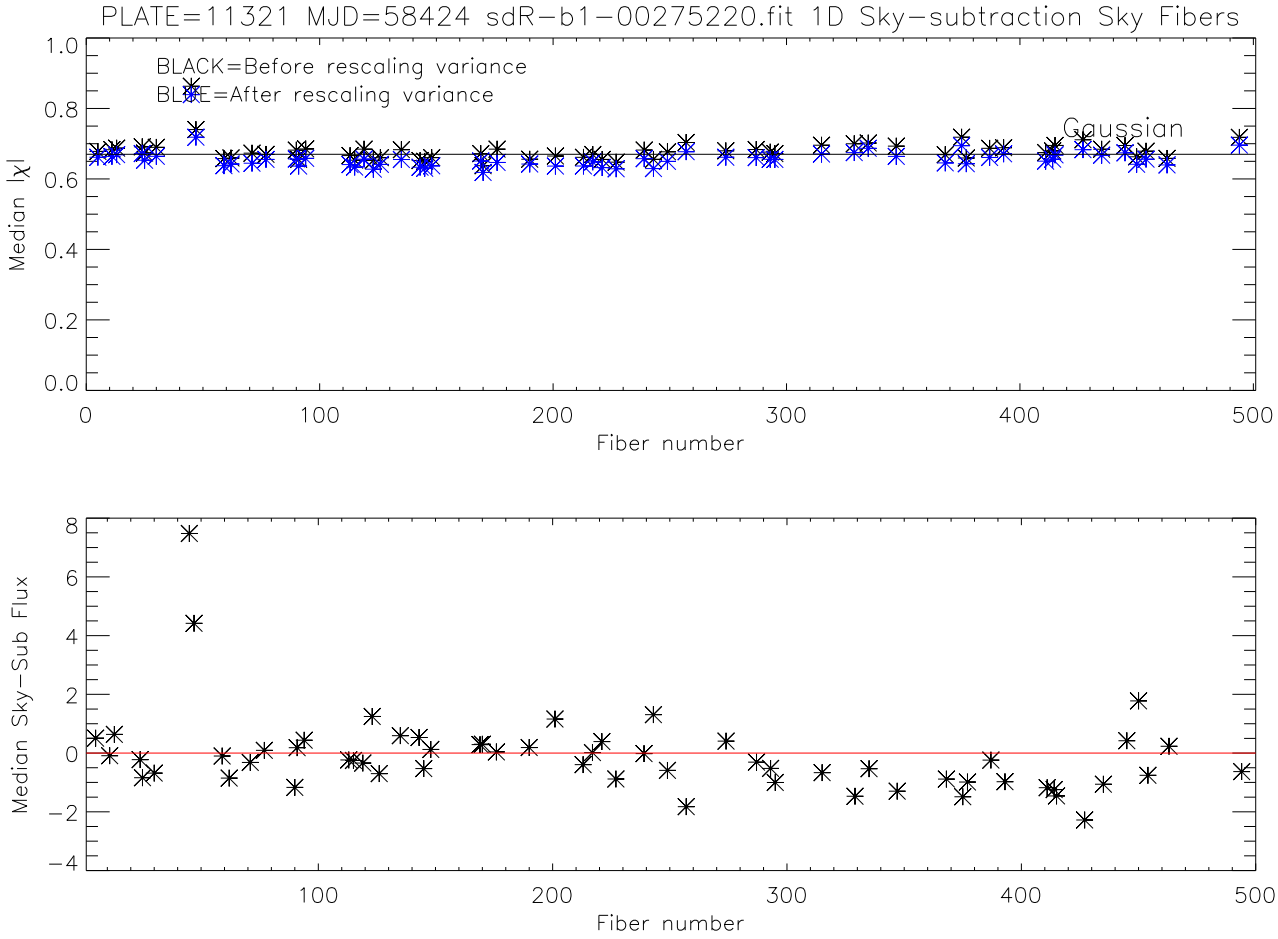

PLATE=11321 MJD=58424 Arcline Fit for sdR-b1-00275218.fit
Fiber Number
500
400
300
200
100
0
3000
4000
5000
6000
7000
λ [A] + 300 * Deviation
Ncoeff = 6
Deviation [pix]
0.15
0.10
0.05
−0.00
−0.05
−0.10
−0.15
3000
4000
5000
6000
7000
λ [A]
Mon May 11 16:19:04 2020

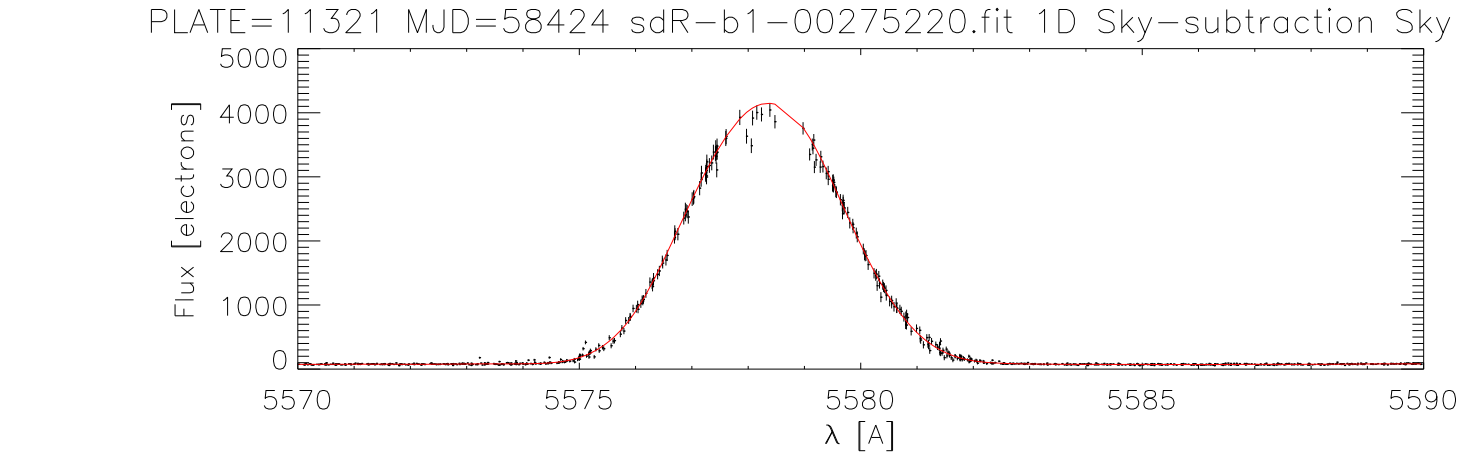

PLATE=11321 MJD=58424 Fiber−Flats for sdR−b1−00275219.fit
BLACK = Median value
ENVELOPE = 95% of points
GREEN = Outlier points
Min value = −7.574
Max value = 18.585
Fiber−Flat
1.5
1.0
0.5
0.0
3000
4000
5000
6000
7000
λ [A]
Mon May 11 16:19:22 2020

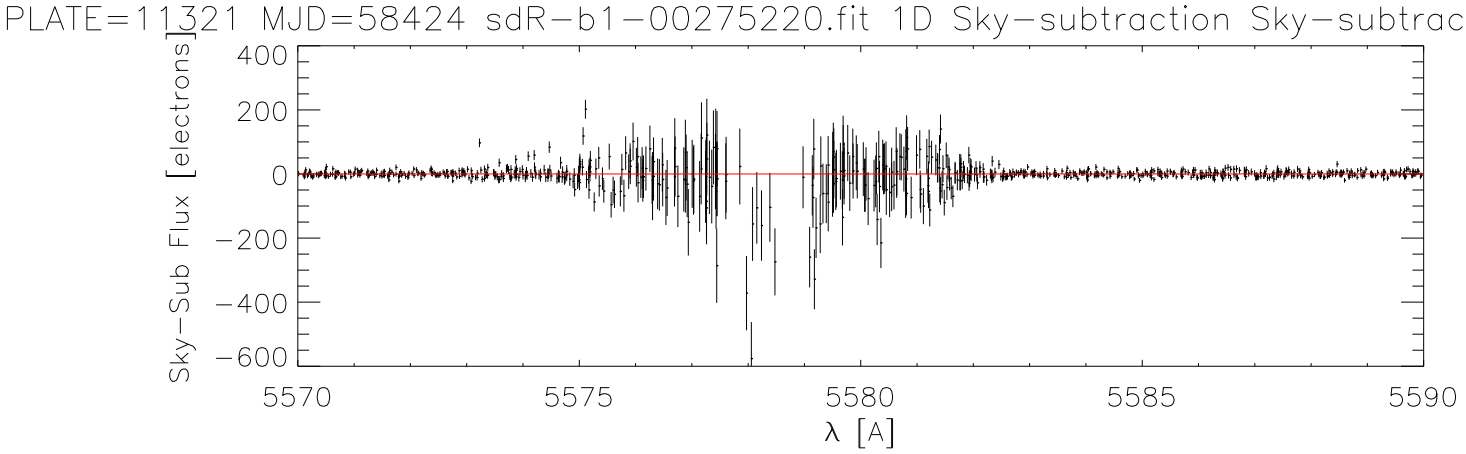

PLATE=11321 MJD=58424 Extraction chi^2 for sdR−b1−00275220.fit
BLACK = Final chisq extraction
χ^2
1.0
0.8
0.6
0.4
0.2
0.0
0
1000
2000
3000
4000
Row number


PLATE=11321 MJD=58424 Sky Line Deviations for sdR-b1-00275220.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

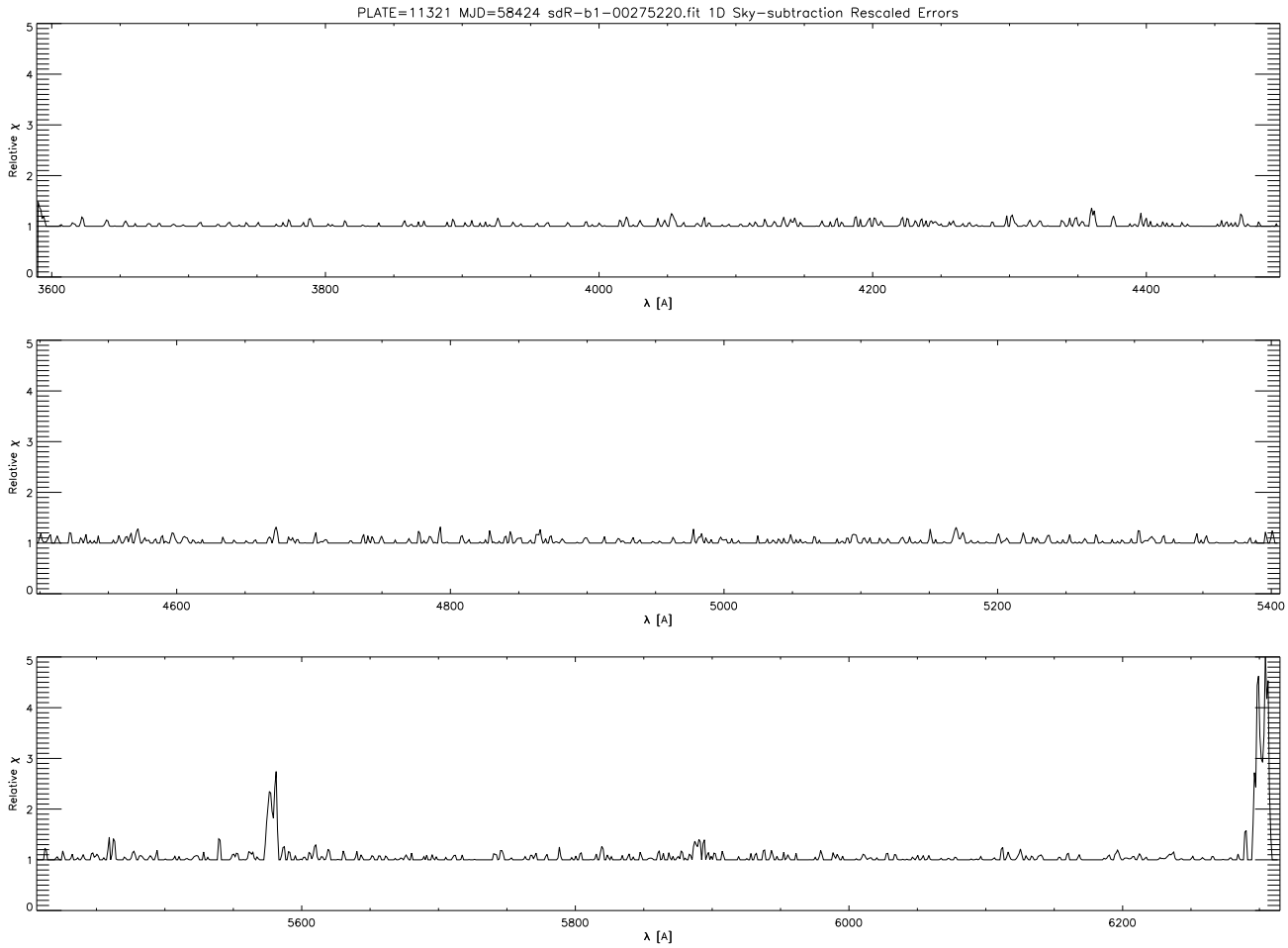

PLATE=11321 MJD=58424 Smooth superflat for sdR-b1-00275220.fit
2.0
1.5
1.0
0.5
0.0
1.04
1.02
1.00
0.98
0.96
3000
4000
5000
6000
7000
Wavelength (Å)

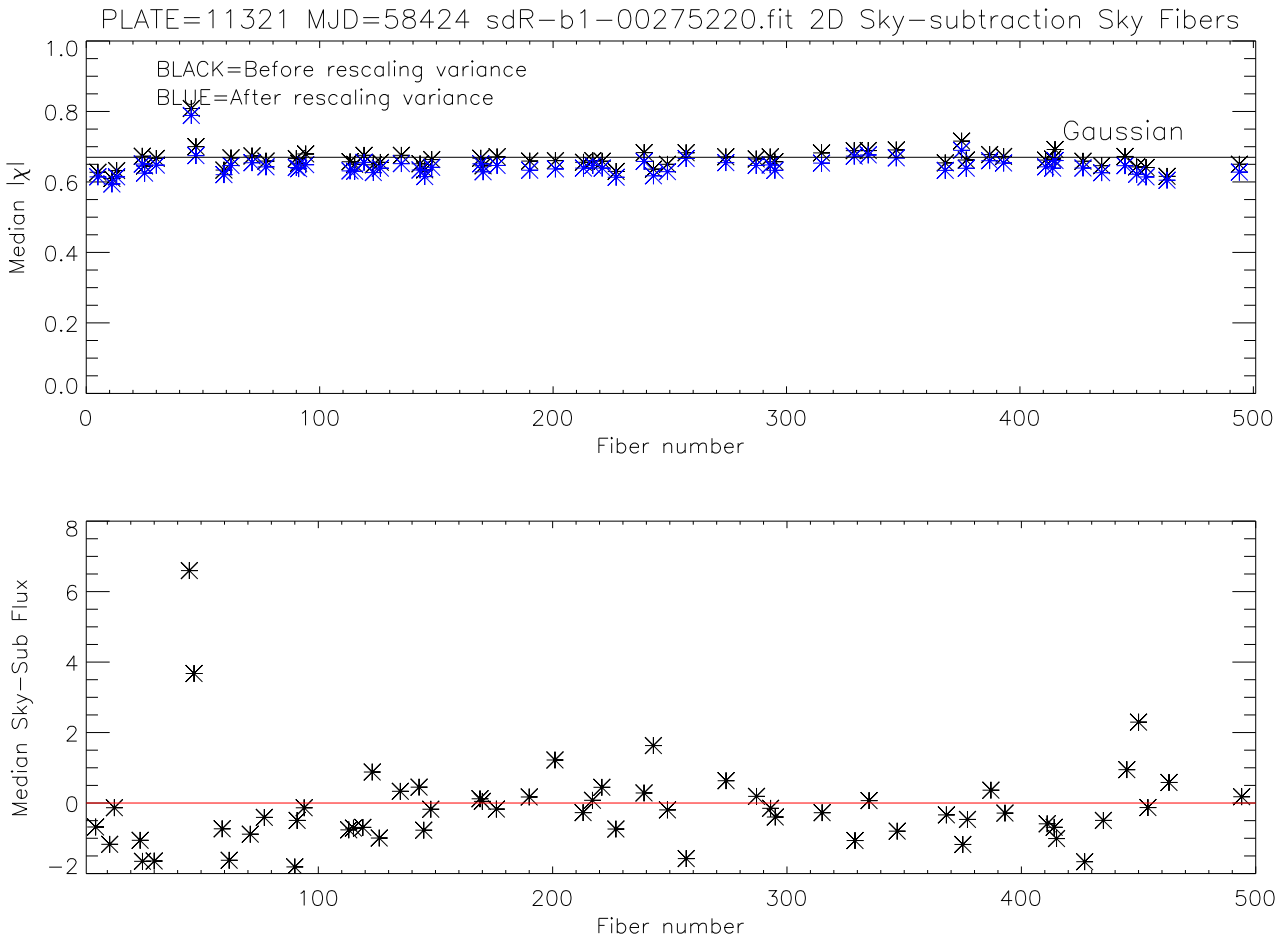

PLATE=11321 MJD=58424 sdR-b1-00275220.fit 1D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

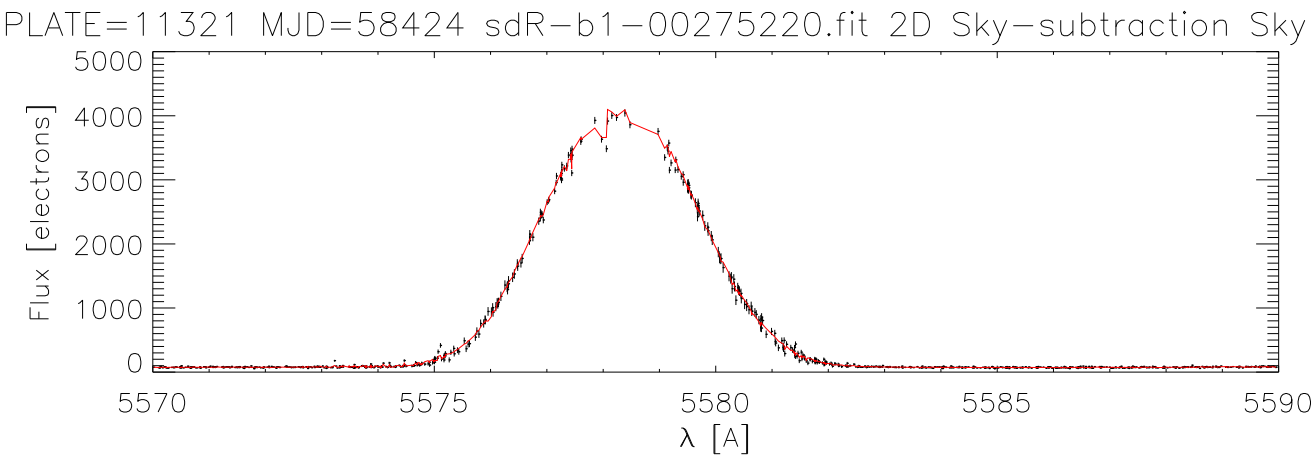

PLATE=11321 MJD=58424 sdR-b1-00275220.fit 1D Sky-subtraction Sky Fibers
Flux [electrons]
5000
4000
3000
2000
1000
0
5570
5575
5580
5585
5590
λ [A]

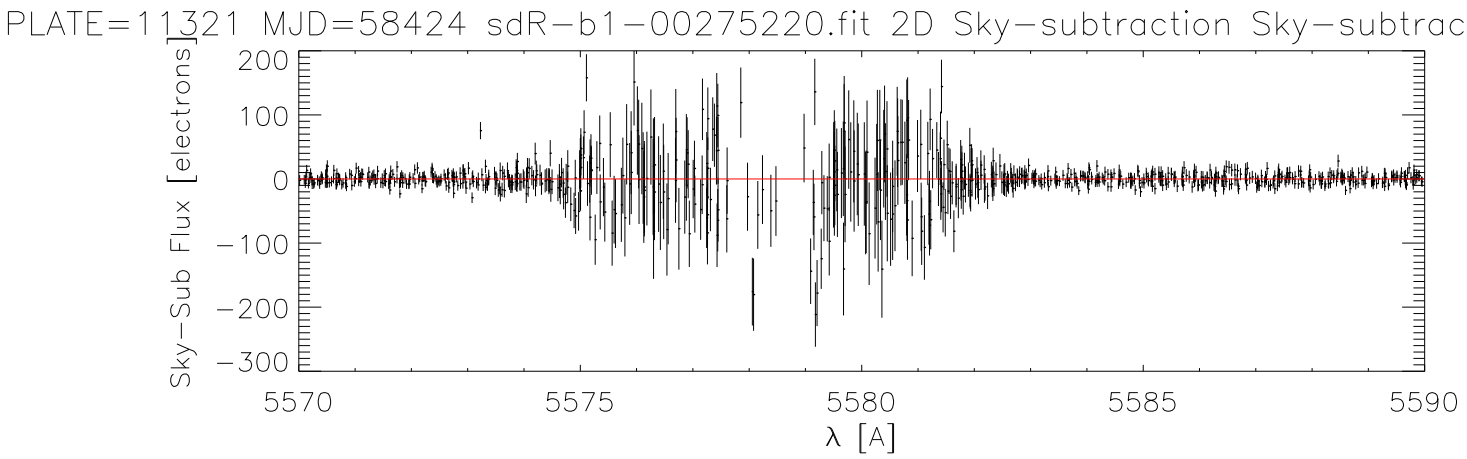

PLATE=11321 MJD=58424 sdR-b1-00275220.fit 1D Sky-subtraction Sky-subtracted Sky
Sky-Sub Flux [electrons]
400
200
0
-200
-400
-600
5570
5575
5580
5585
5590
λ [A]

Number of sky fibers = 60

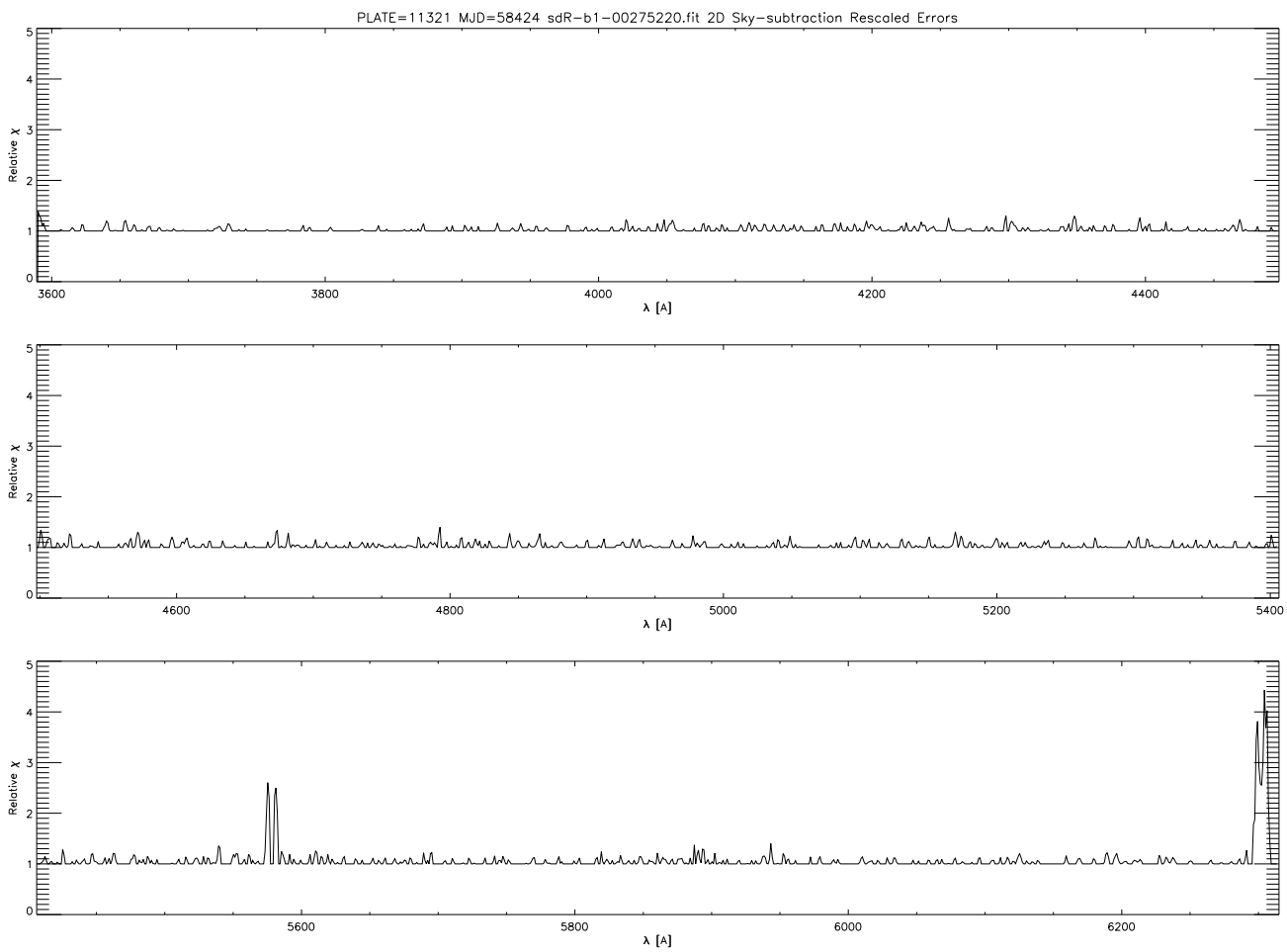


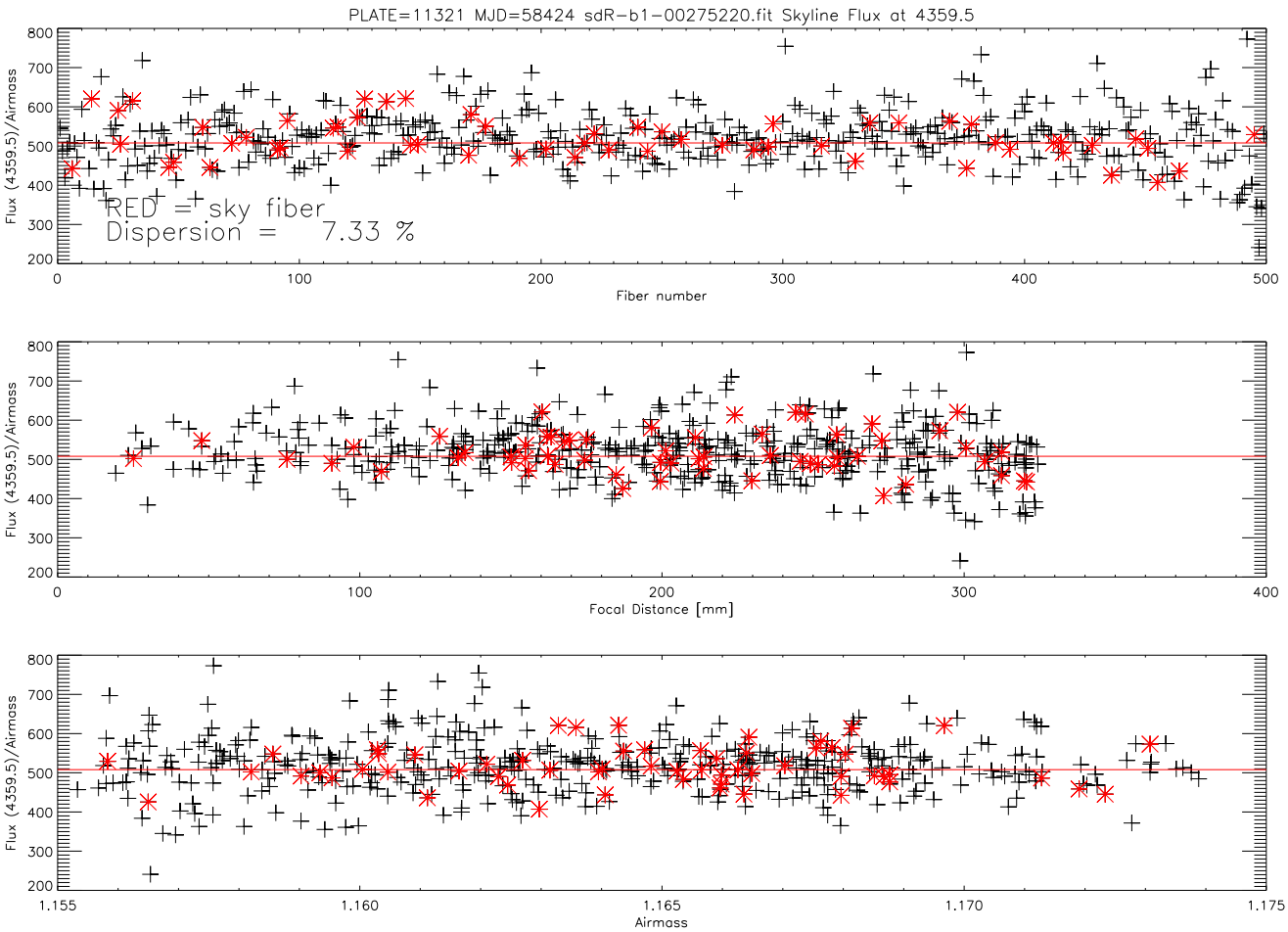

PLATE=11321 MJD=58424 sdR-b1-00275220.fit 2D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

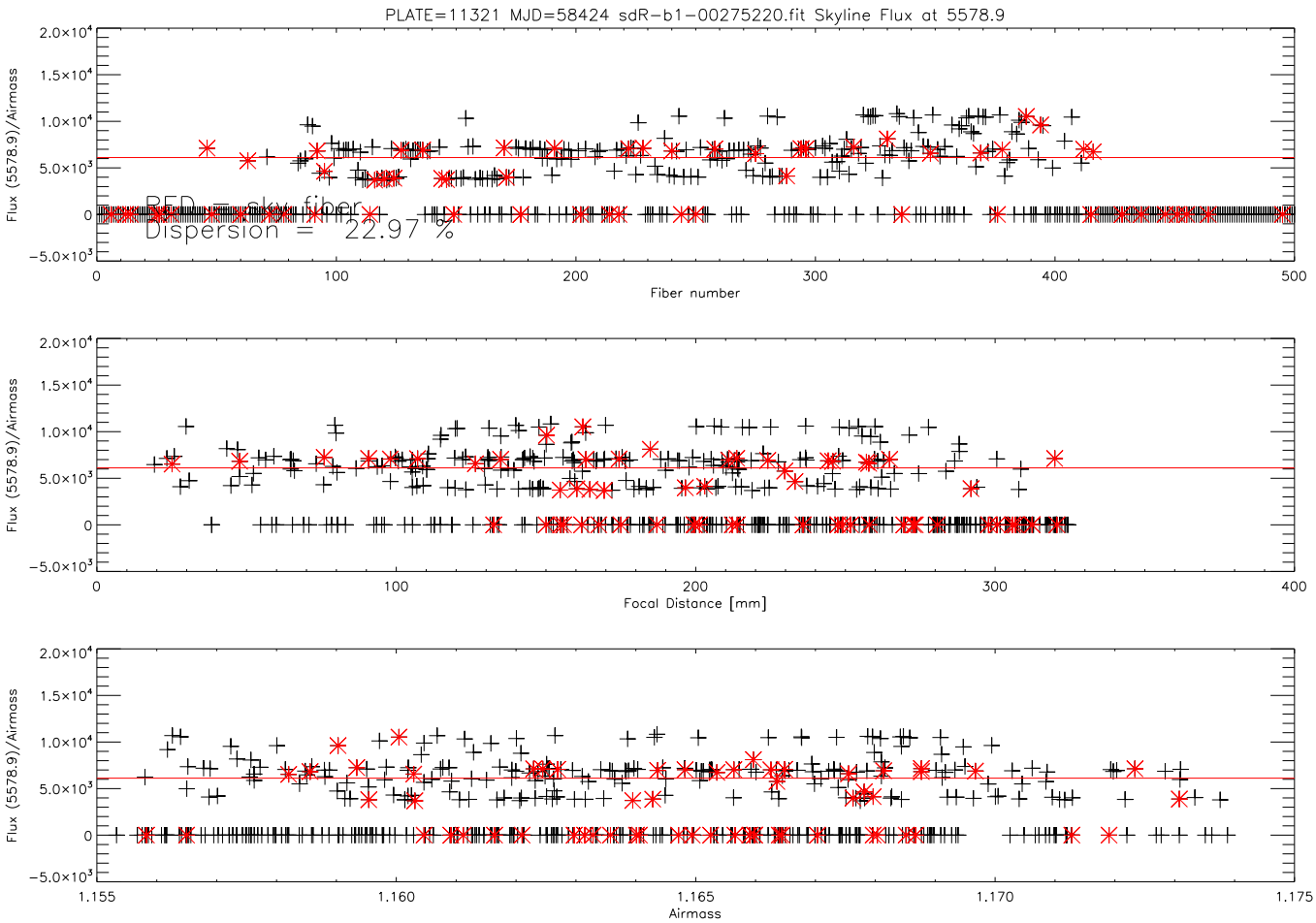

PLATE=11321 MJD=58424 sdR-b1-00275220.fit 2D Sky-subtraction Sky Fibers
Flux [electrons]
5000
4000
3000
2000
1000
0
5570
5575
5580
5585
5590
λ [A]

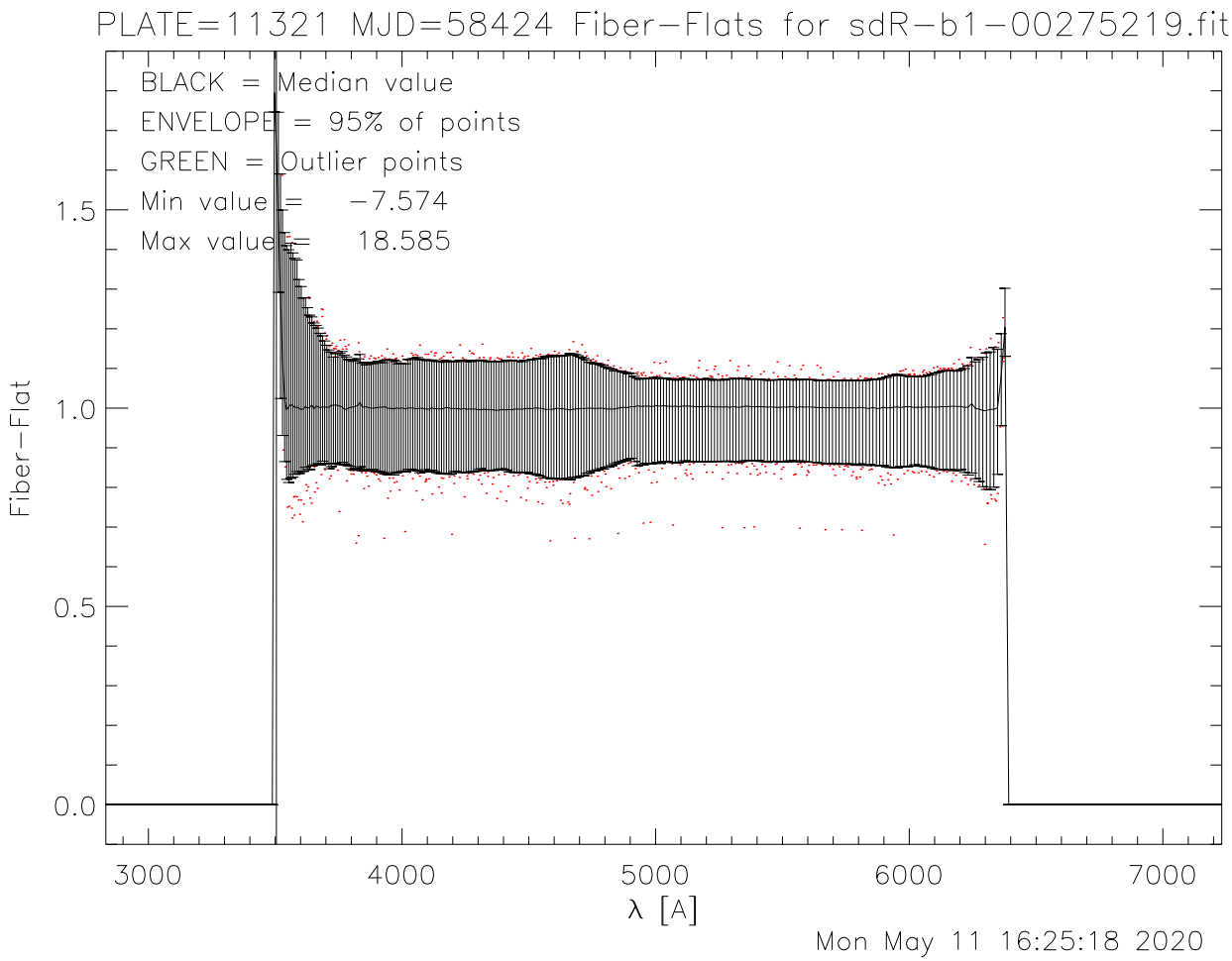

PLATE=11321 MJD=58424 sdR-b1-00275220.fit 2D Sky-subtraction Sky-subtracted Sky
Sky-Sub Flux [electrons]
200
100
0
-100
-200
-300
5570
5575
5580
5585
5590
λ [A]

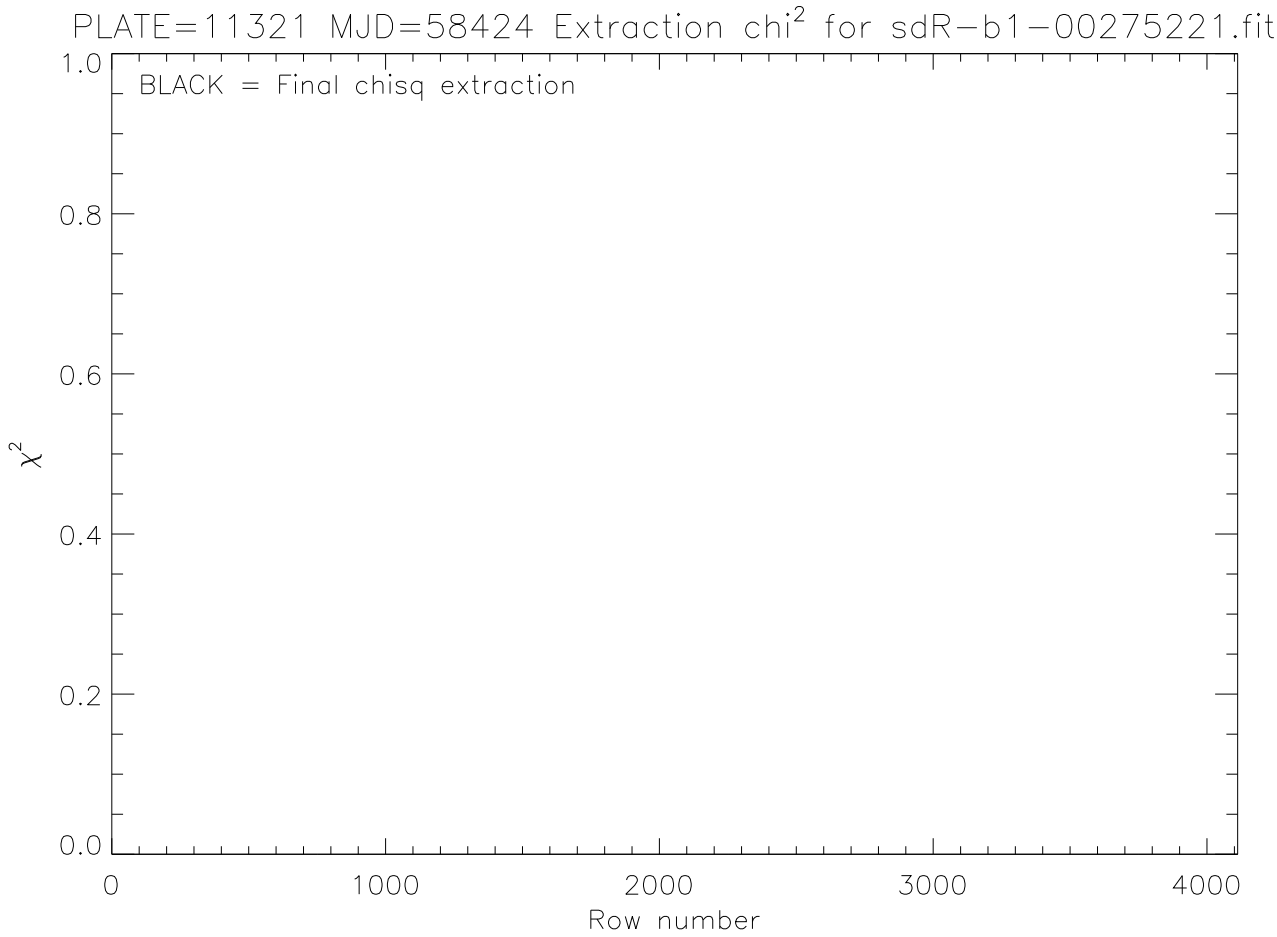
Number of sky fibers = 60

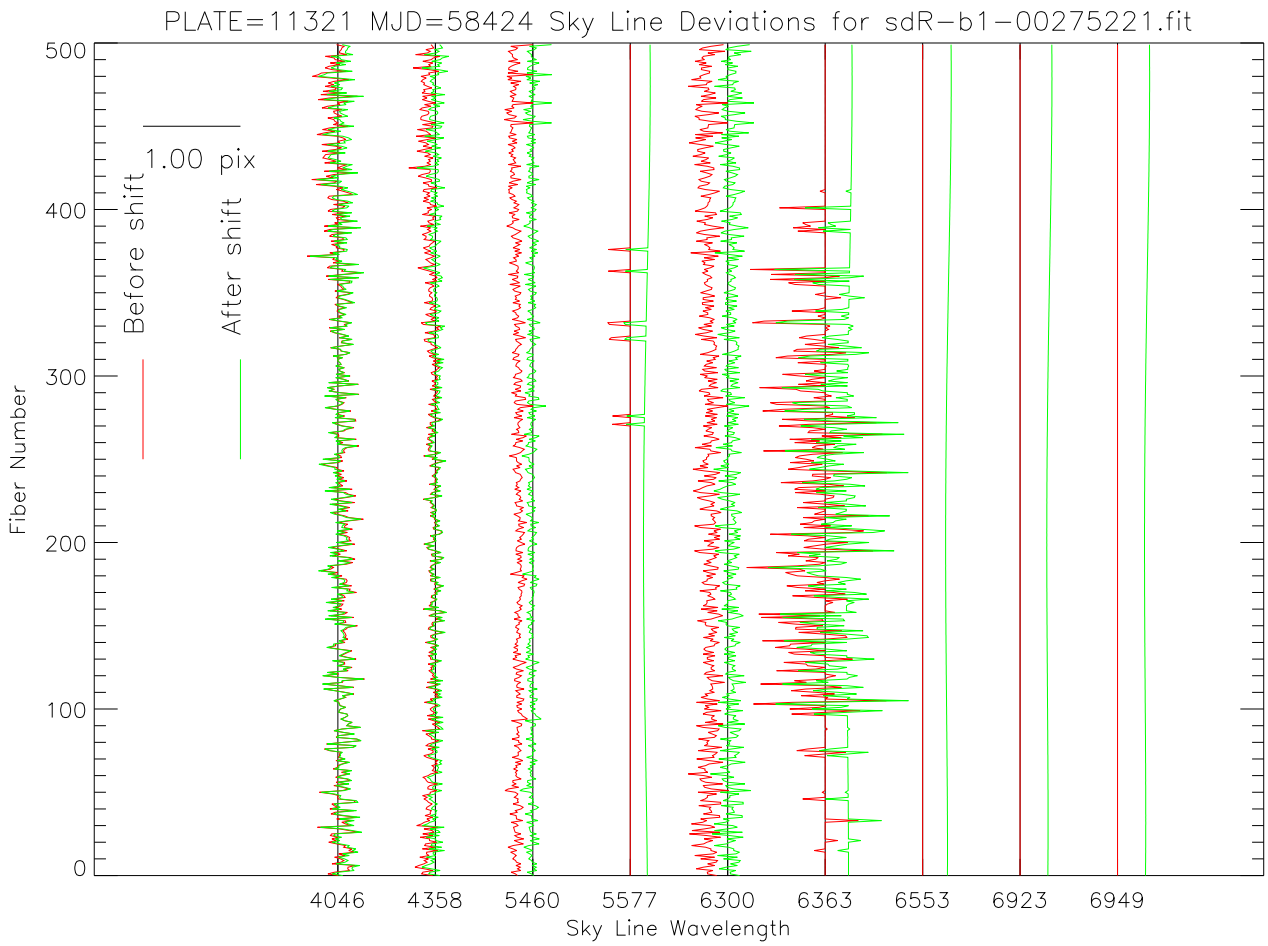


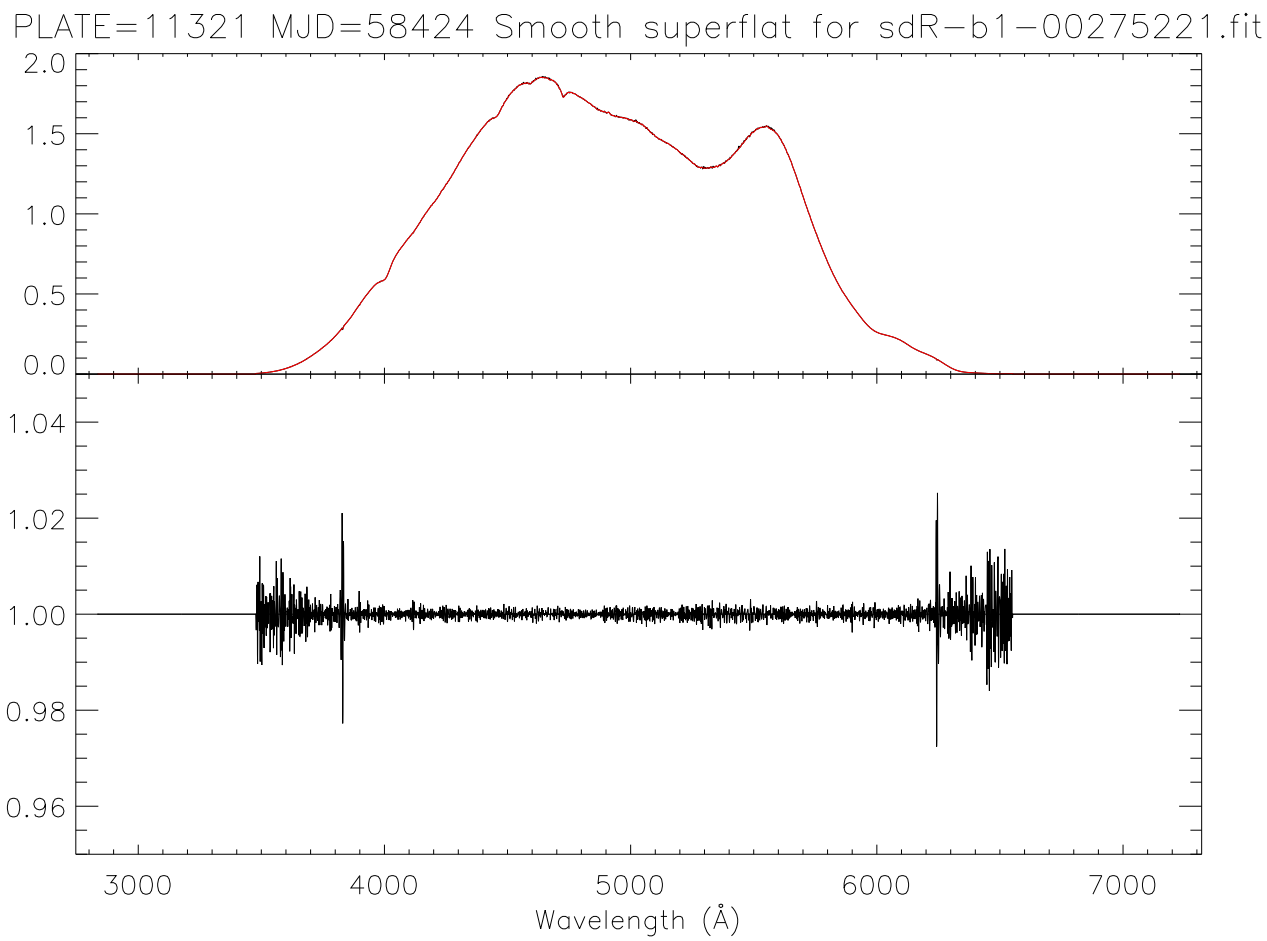

PLATE=11321 MJD=58424 sdR-b1-00275220.fit Skyline Flux at 4359.5
Flux (4359.5)/Airmass
Fiber number
RED = sky fiber
Dispersion = 7.33 %
Flux (4359.5)/Airmass
Focal Distance [mm]
Flux (4359.5)/Airmass
Airmass

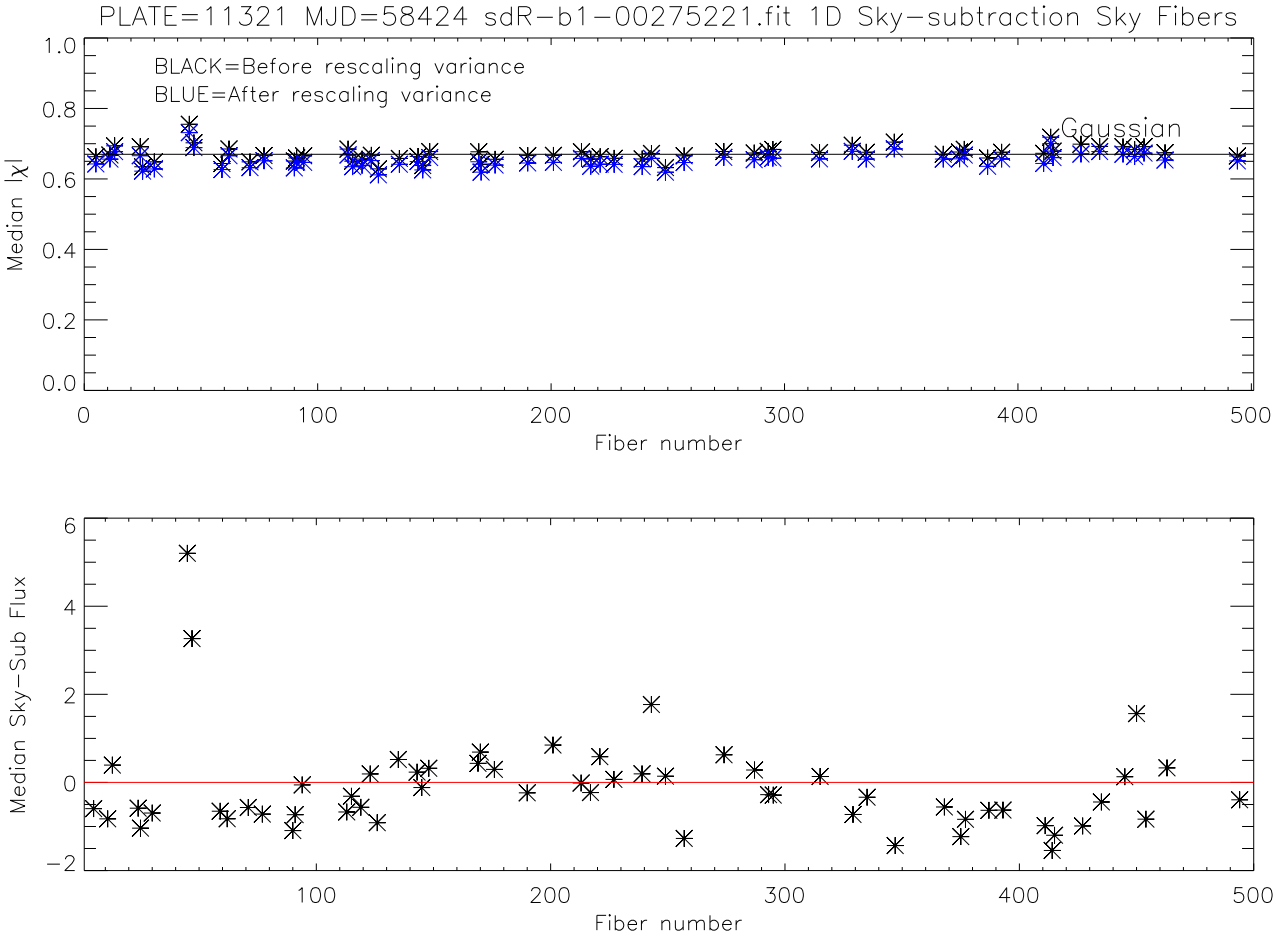

PLATE=11321 MJD=58424 sdR-b1-00275220.fit Skyline Flux at 5578.9
Flux (5578.9)/Airmass
Fiber number
RED = sky fiber
Dispersion = 22.97 %
Flux (5578.9)/Airmass
Focal Distance [mm]
Flux (5578.9)/Airmass
Airmass

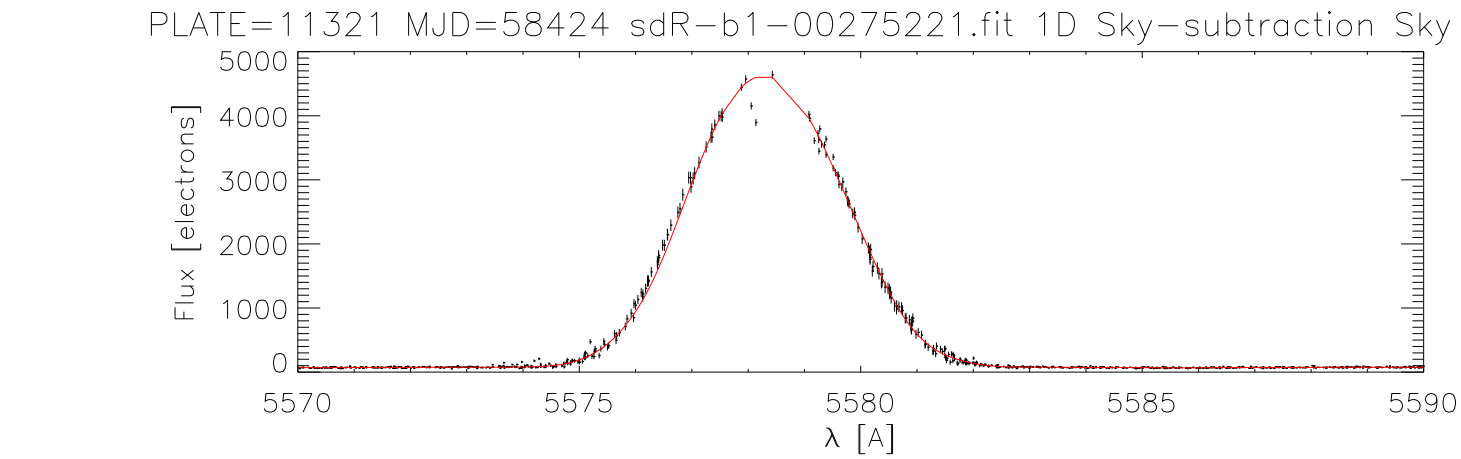

PLATE=11321 MJD=58424 Fiber−Flats for sdR−b1−00275219.fit
BLACK = Median value
ENVELOPE = 95% of points
GREEN = Outlier points
Min value = −7.574
Max value = 18.585
Fiber−Flat
1.5
1.0
0.5
0.0
3000
4000
5000
6000
7000
λ [A]
Mon May 11 16:25:18 2020

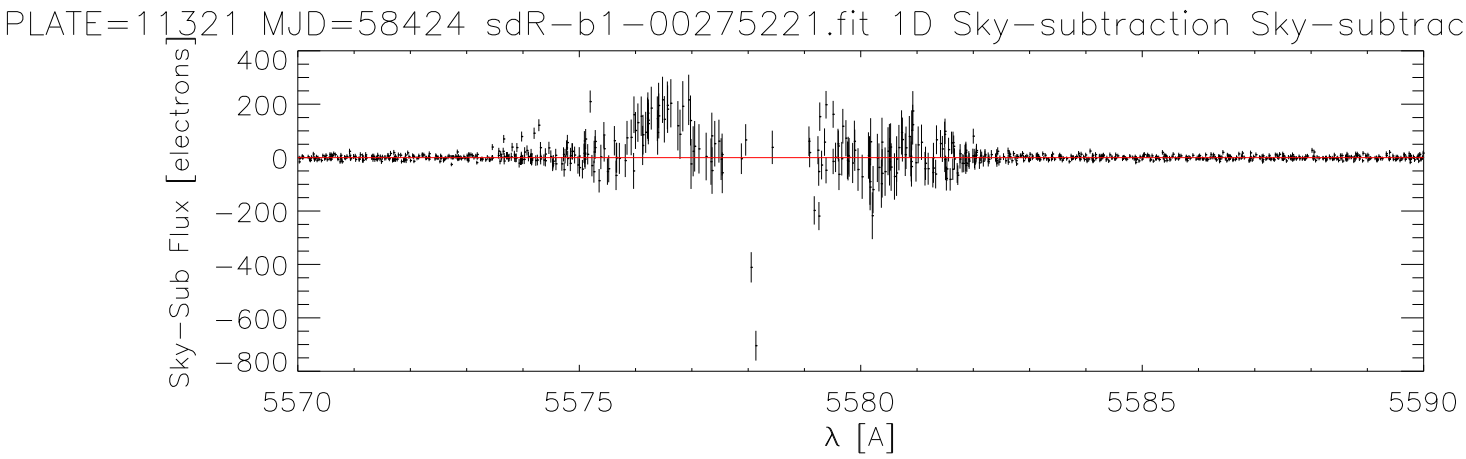

PLATE=11321 MJD=58424 Extraction chi^2 for sdR−b1−00275221.fit
BLACK = Final chisq extraction
1.0
0.8
0.6
0.4
0.2
0.0
χ^2
0
1000
2000
3000
4000
Row number


PLATE=11321 MJD=58424 Sky Line Deviations for sdR-b1-00275221.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

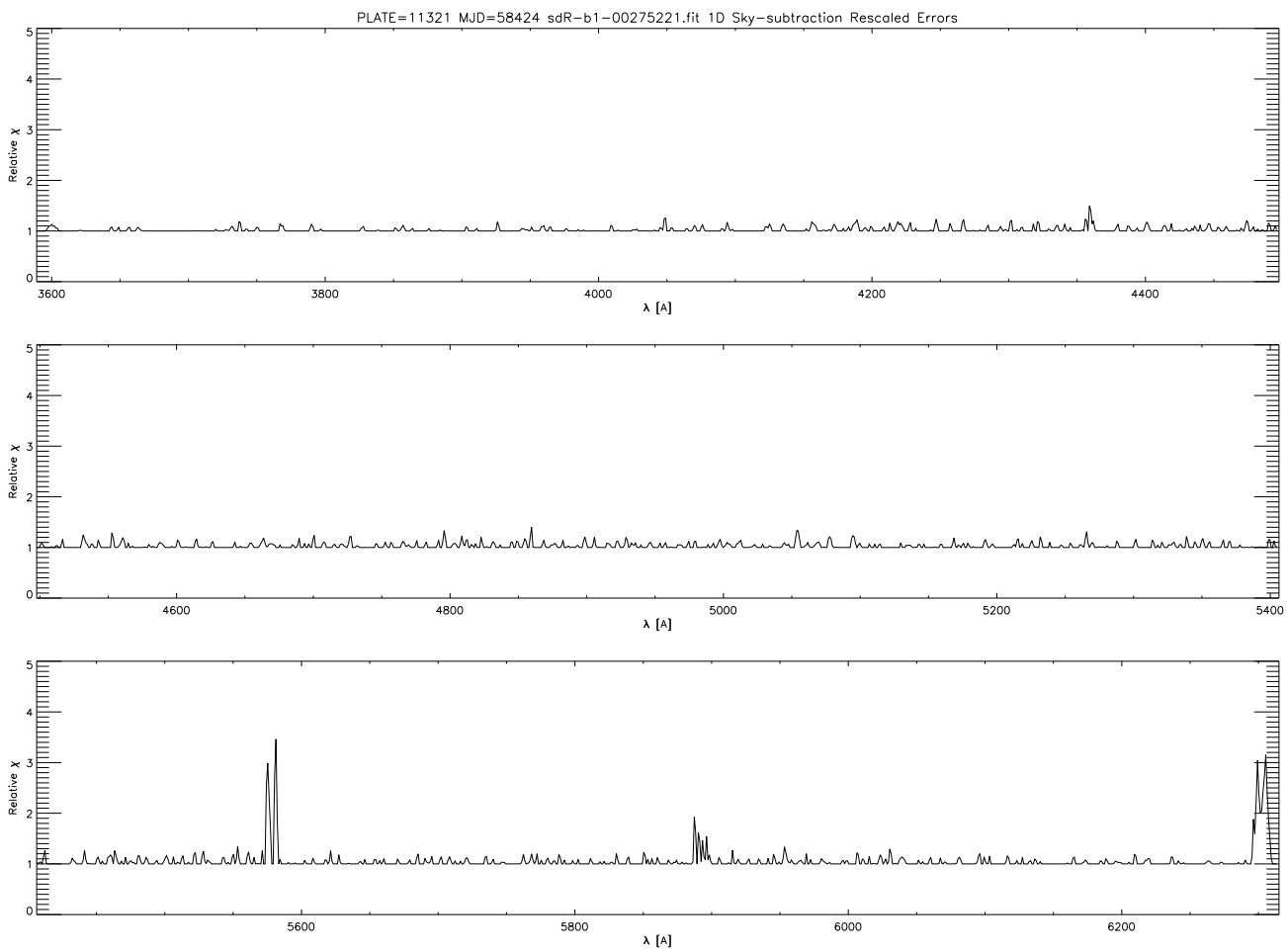

PLATE=11321 MJD=58424 Smooth superflat for sdR-b1-00275221.fit
2.0
1.5
1.0
0.5
0.0
1.04
1.02
1.00
0.98
0.96
3000
4000
5000
6000
7000
Wavelength (Å)

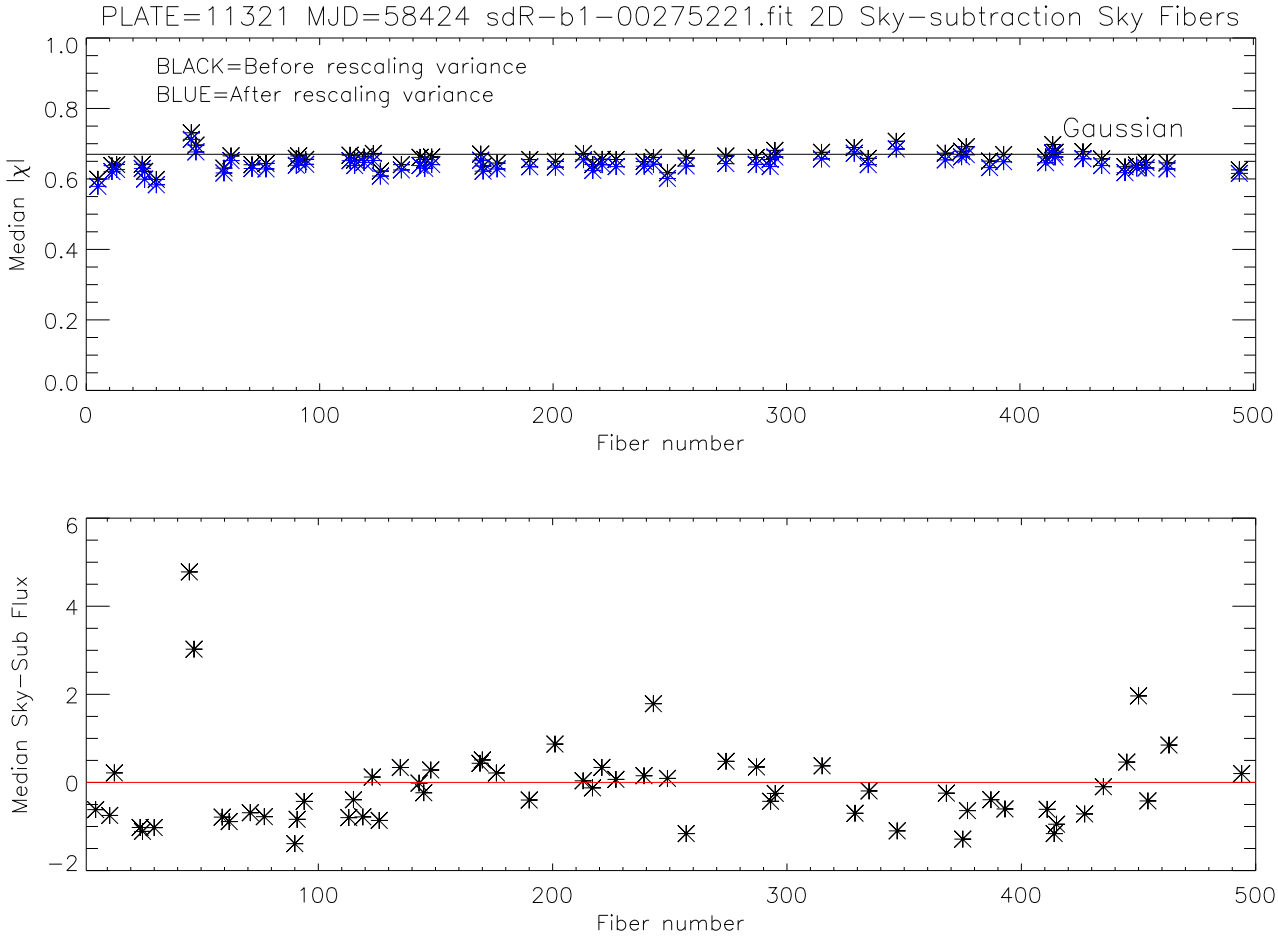

PLATE=11321 MJD=58424 sdR-b1-00275221.fit 1D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

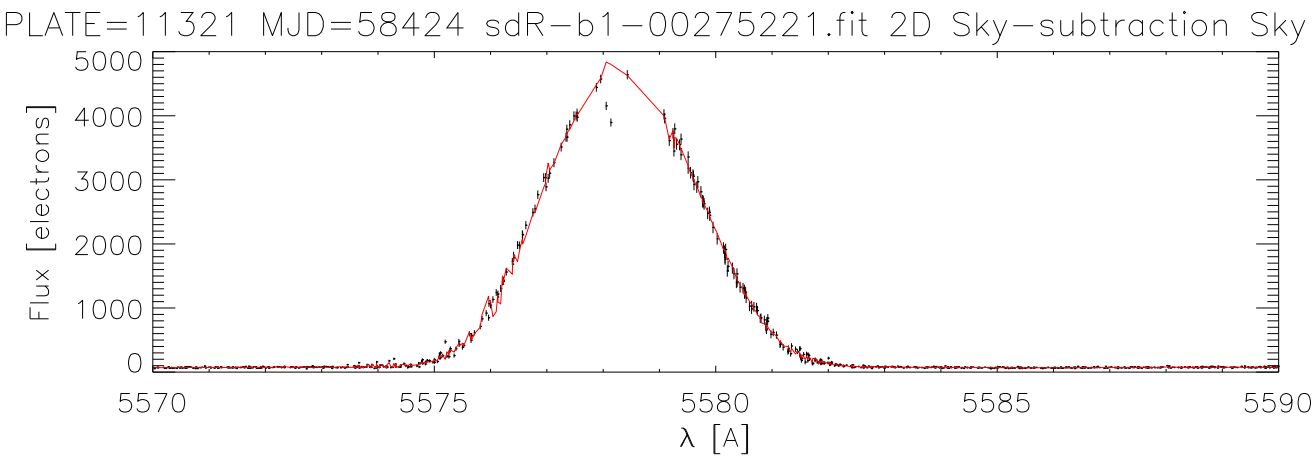

PLATE=11321 MJD=58424 sdR-b1-00275221.fit 1D Sky-subtraction Sky Fibers
Flux [electrons]
5000
4000
3000
2000
1000
0
5570
5575
5580
5585
5590
λ [A]

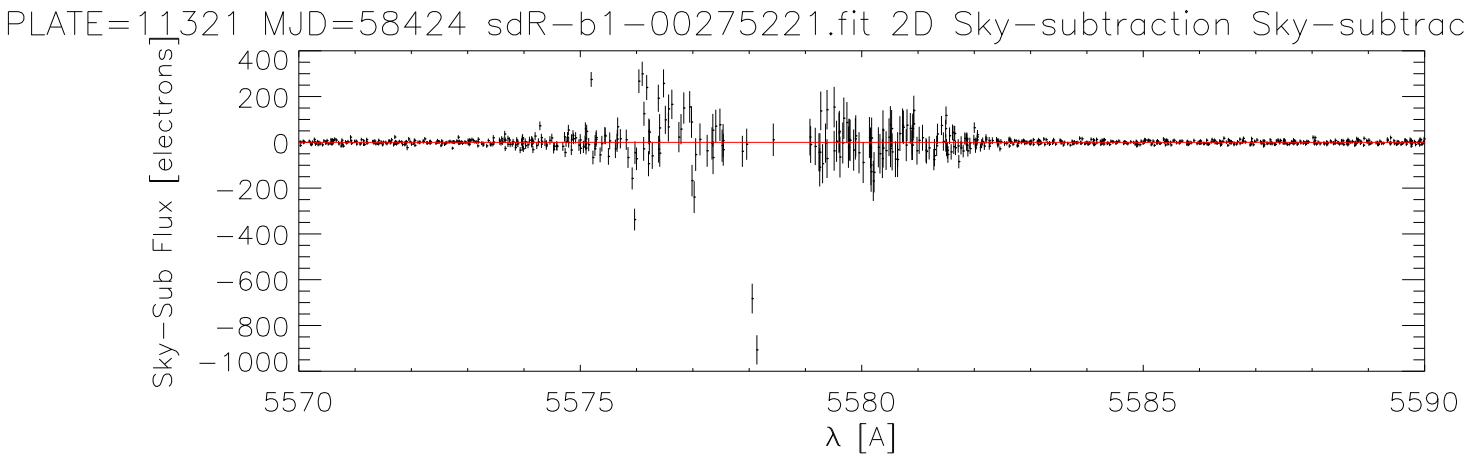

PLATE=11321 MJD=58424 sdR-b1-00275221.fit 1D Sky-subtraction Sky-subtracted Sky
Sky-Sub Flux [electrons]
400
200
0
-200
-400
-600
-800
5570
5575
5580
5585
5590
λ [A]

Number of sky fibers = 60

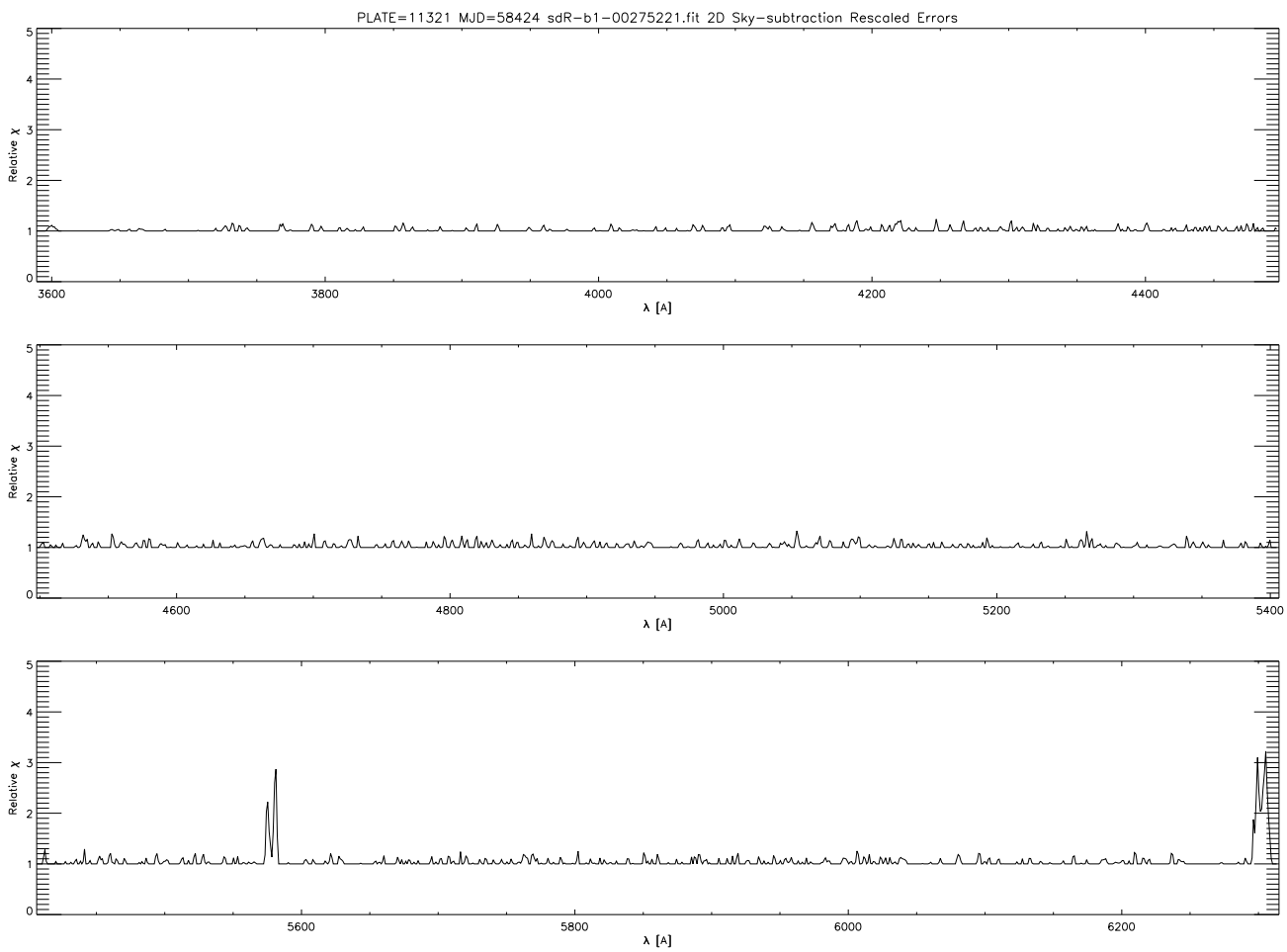


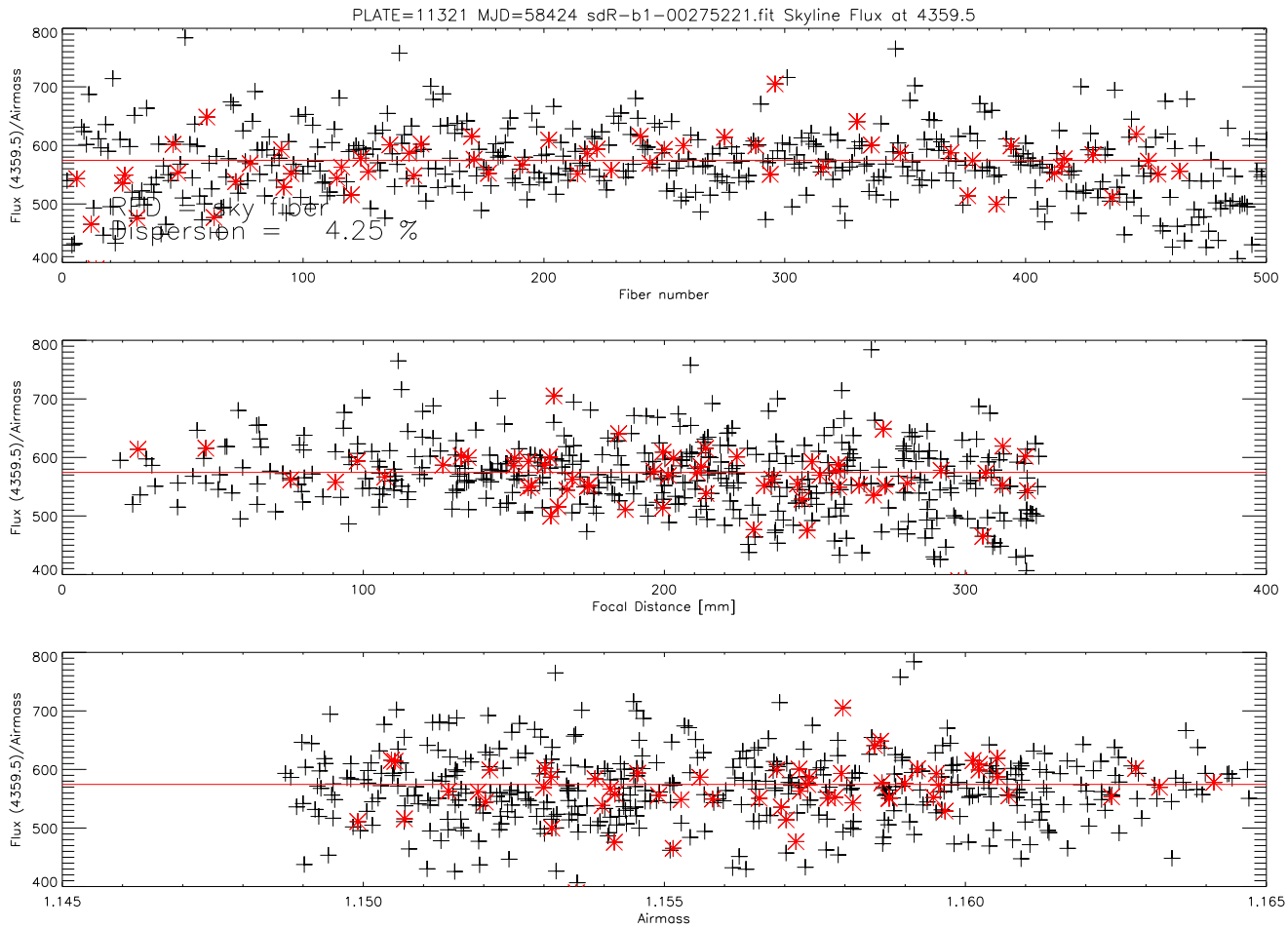

PLATE=11321 MJD=58424 sdR-b1-00275221.fit 2D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

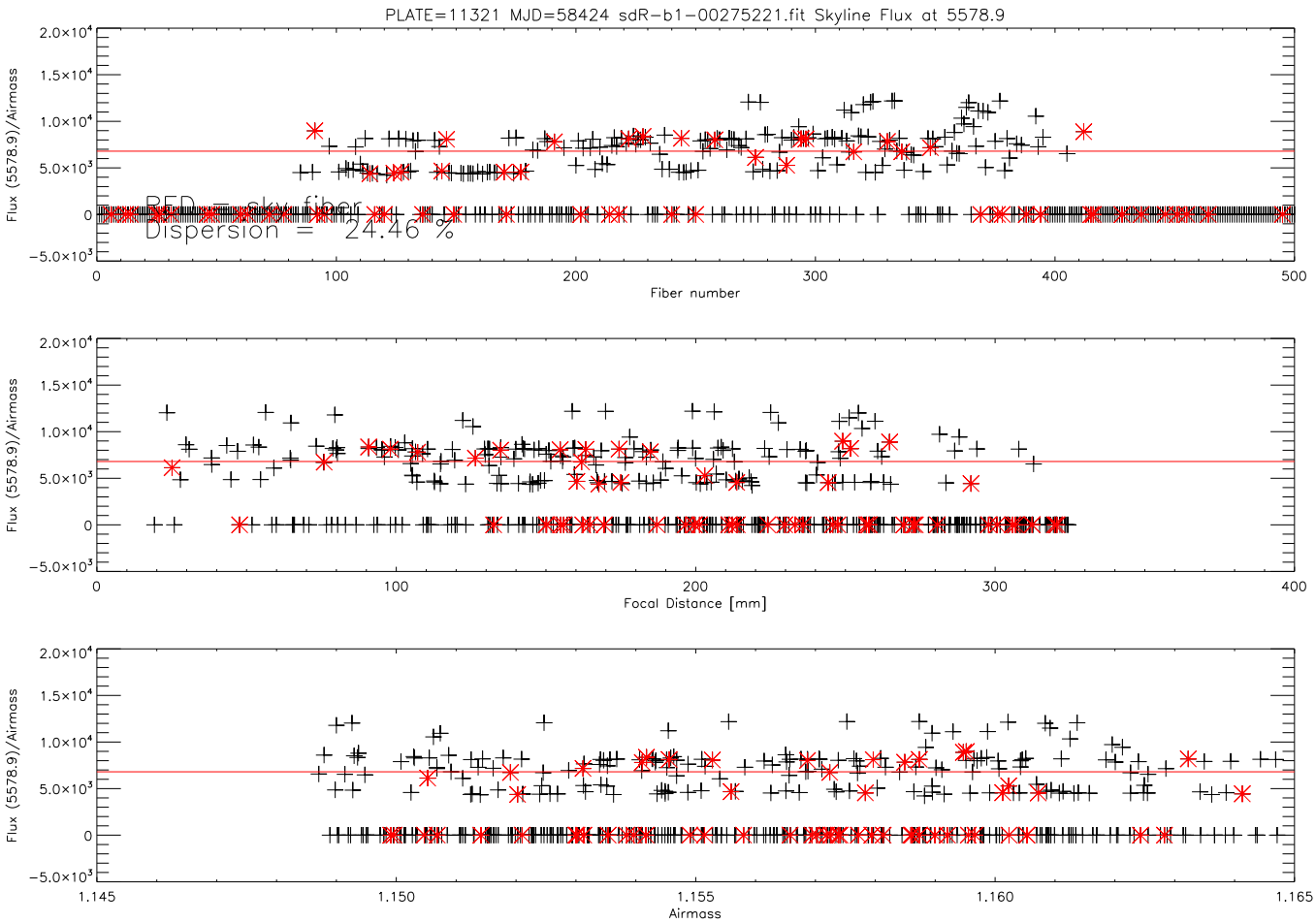

PLATE=11321 MJD=58424 sdR-b1-00275221.fit 2D Sky-subtraction Sky Fibers
Flux [electrons]
5000
4000
3000
2000
1000
0
5570
5575
5580
5585
5590
λ [A]

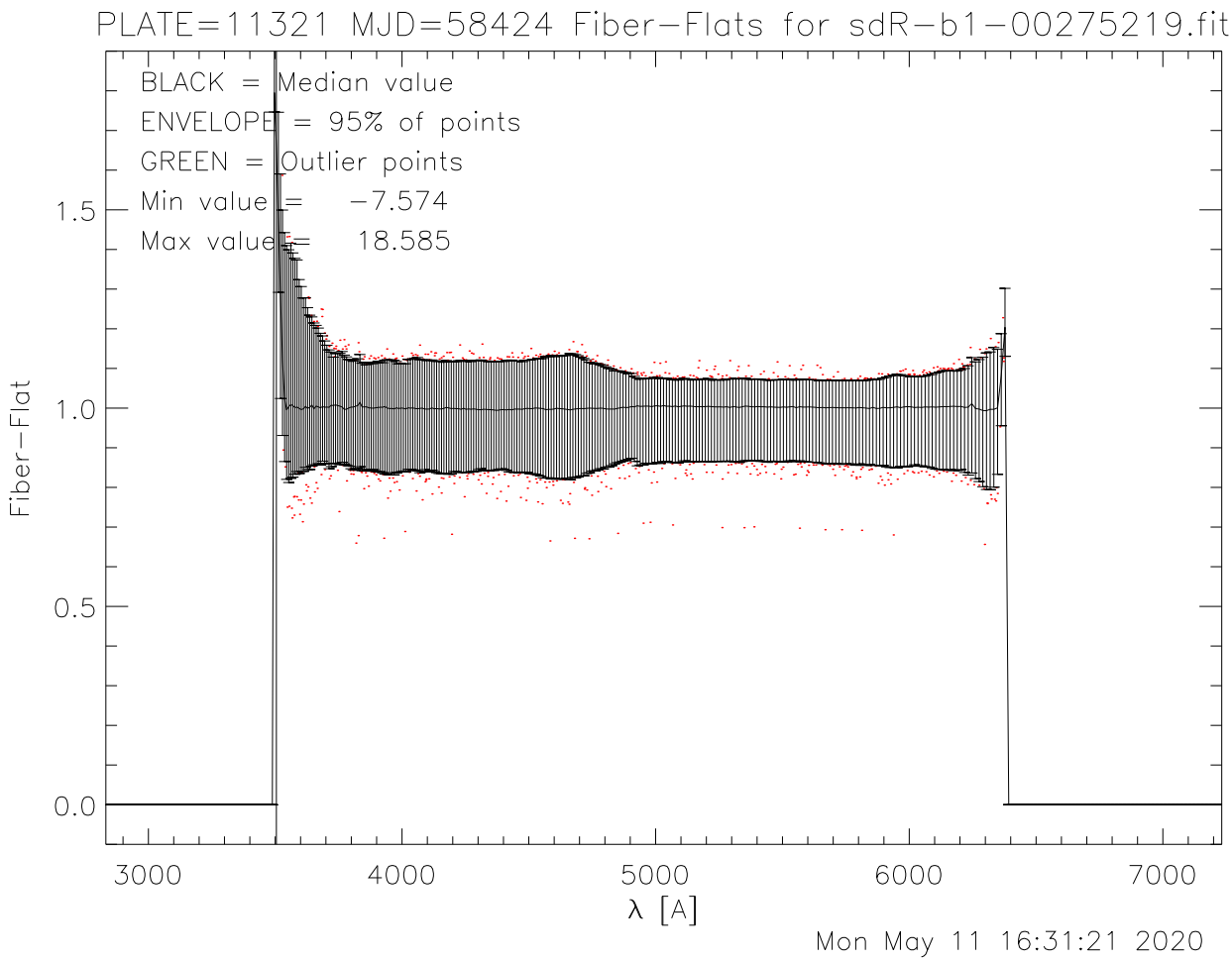

PLATE=11321 MJD=58424 sdR-b1-00275221.fit 2D Sky-subtraction Sky-subtracted Sky
Sky-Sub Flux [electrons]
400
200
0
-200
-400
-600
-800
-1000
5570
5575
5580
5585
5590
λ [A]

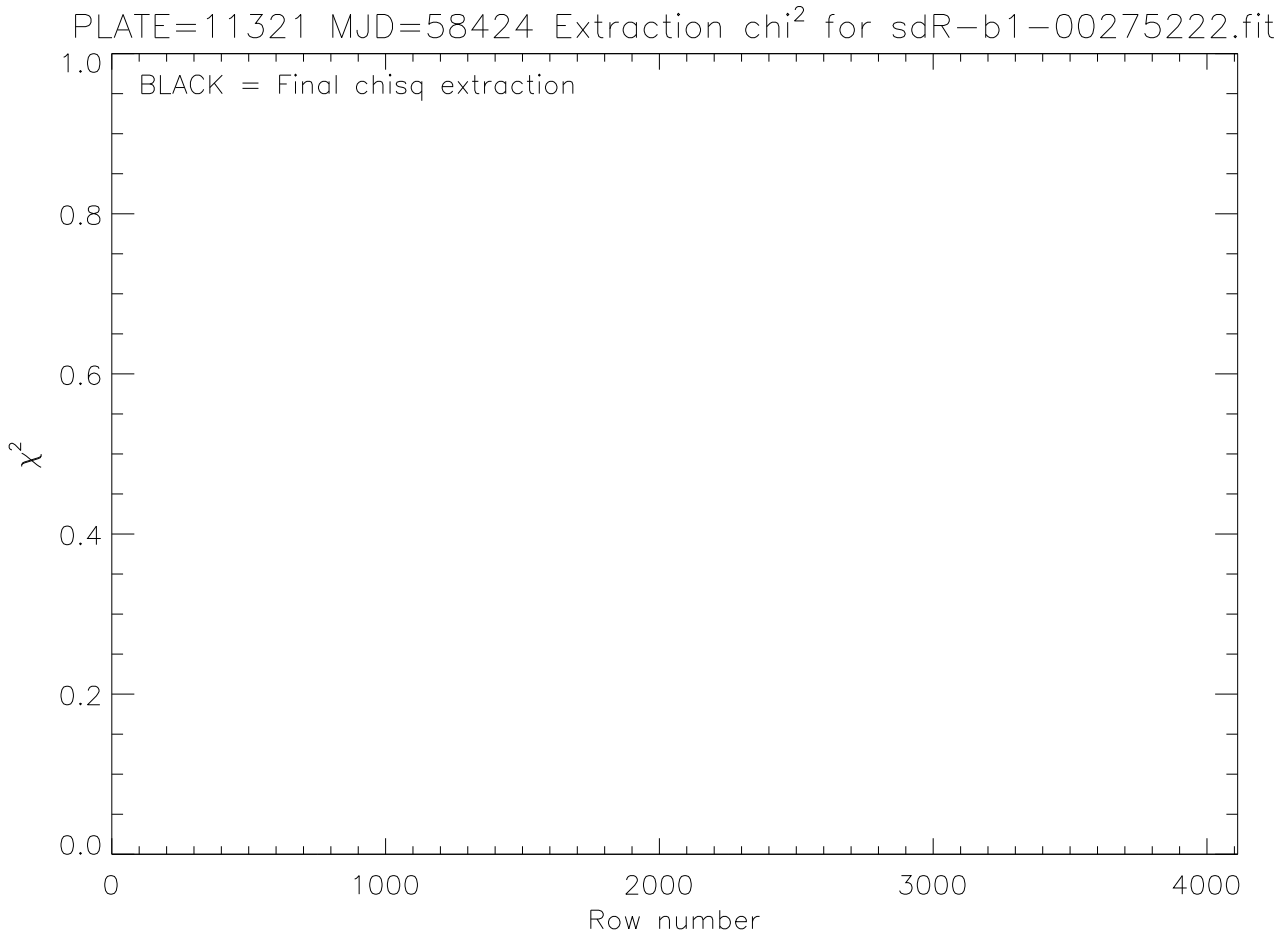
Number of sky fibers = 60

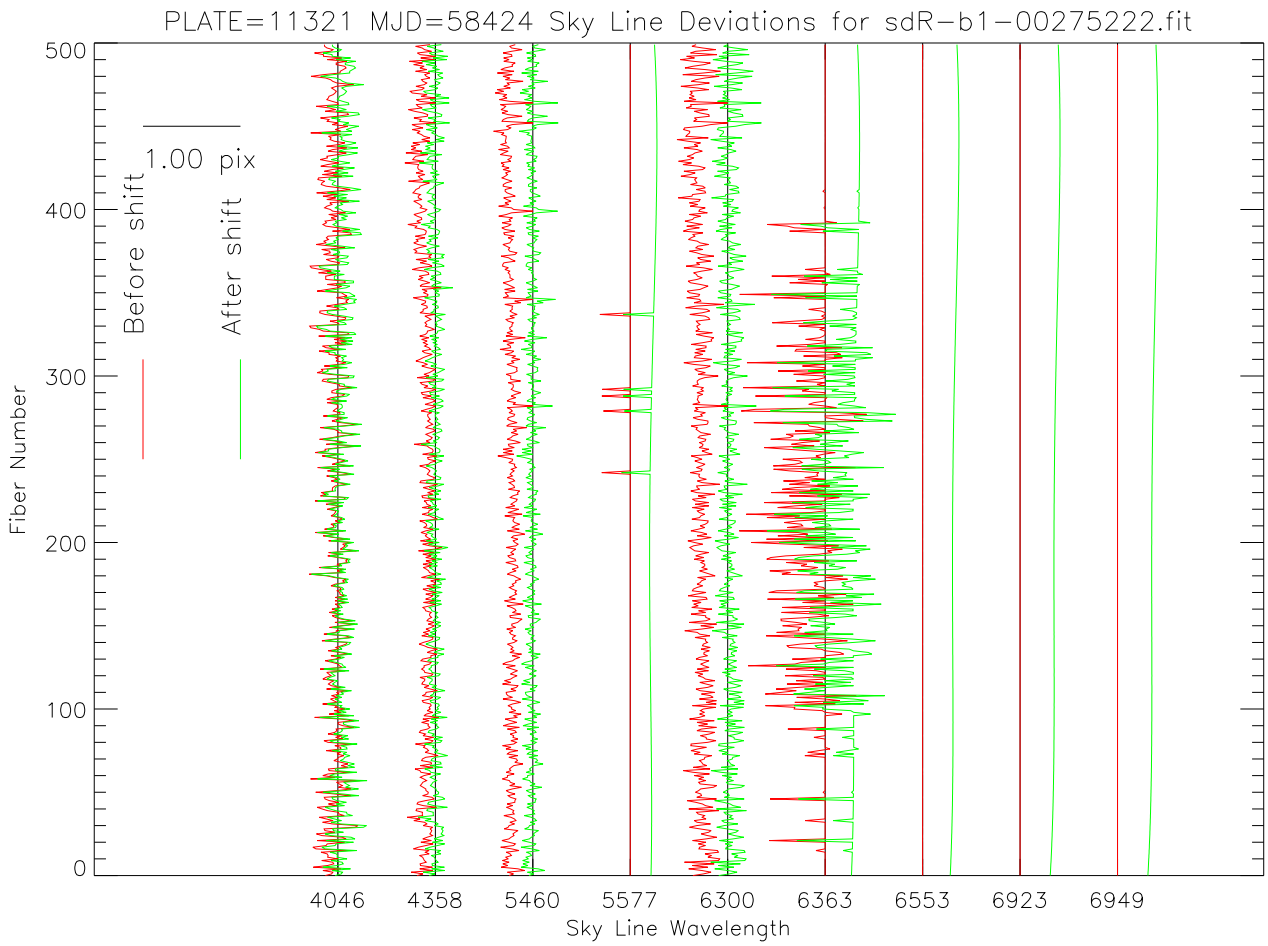


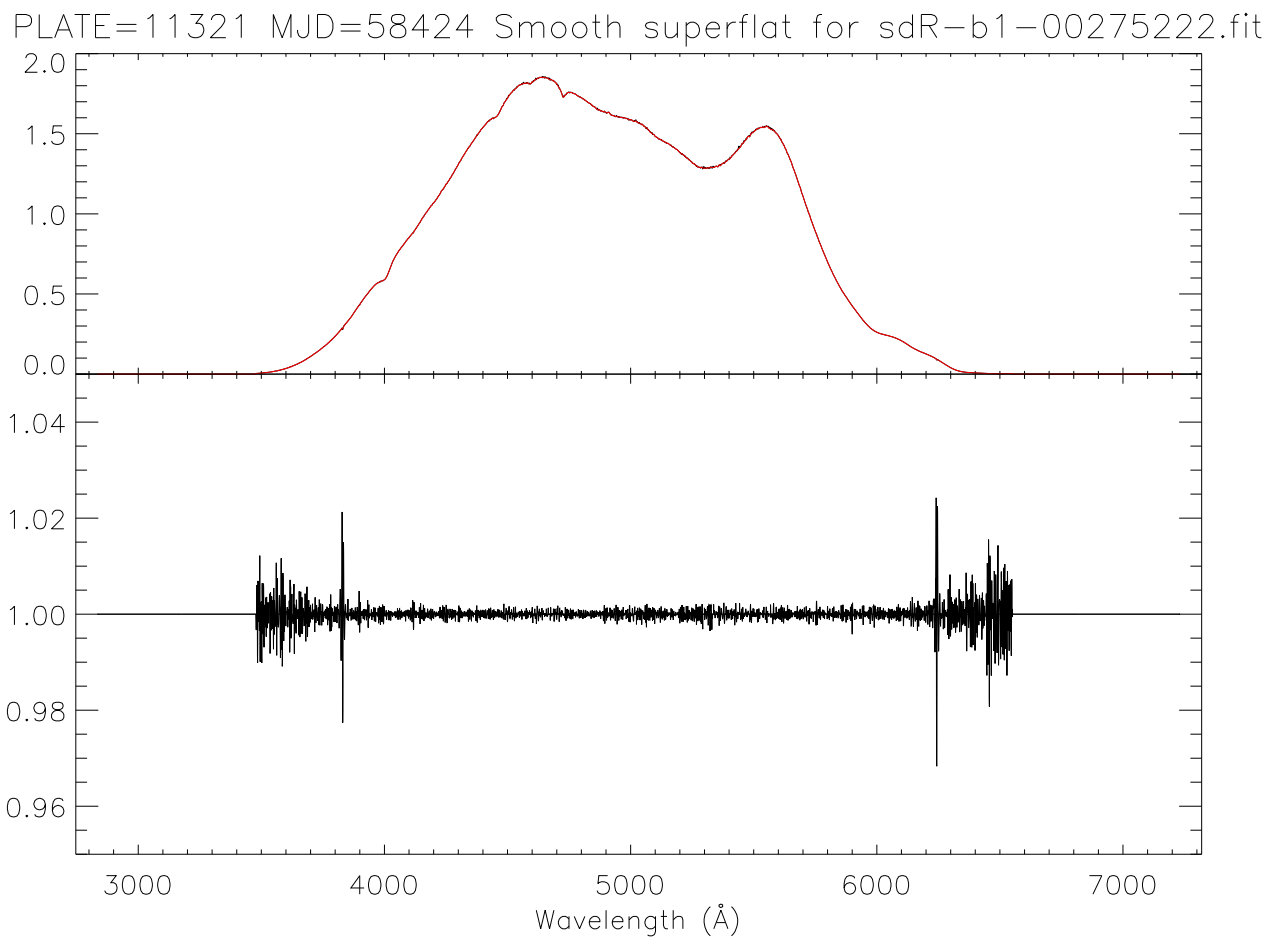

PLATE=11321 MJD=58424 sdR-b1-00275221.fit Skyline Flux at 4359.5
Flux (4359.5)/Airmass
Fiber number
RED = sky fiber
Dispersion = 4.25 %
Focal Distance [mm]
Airmass

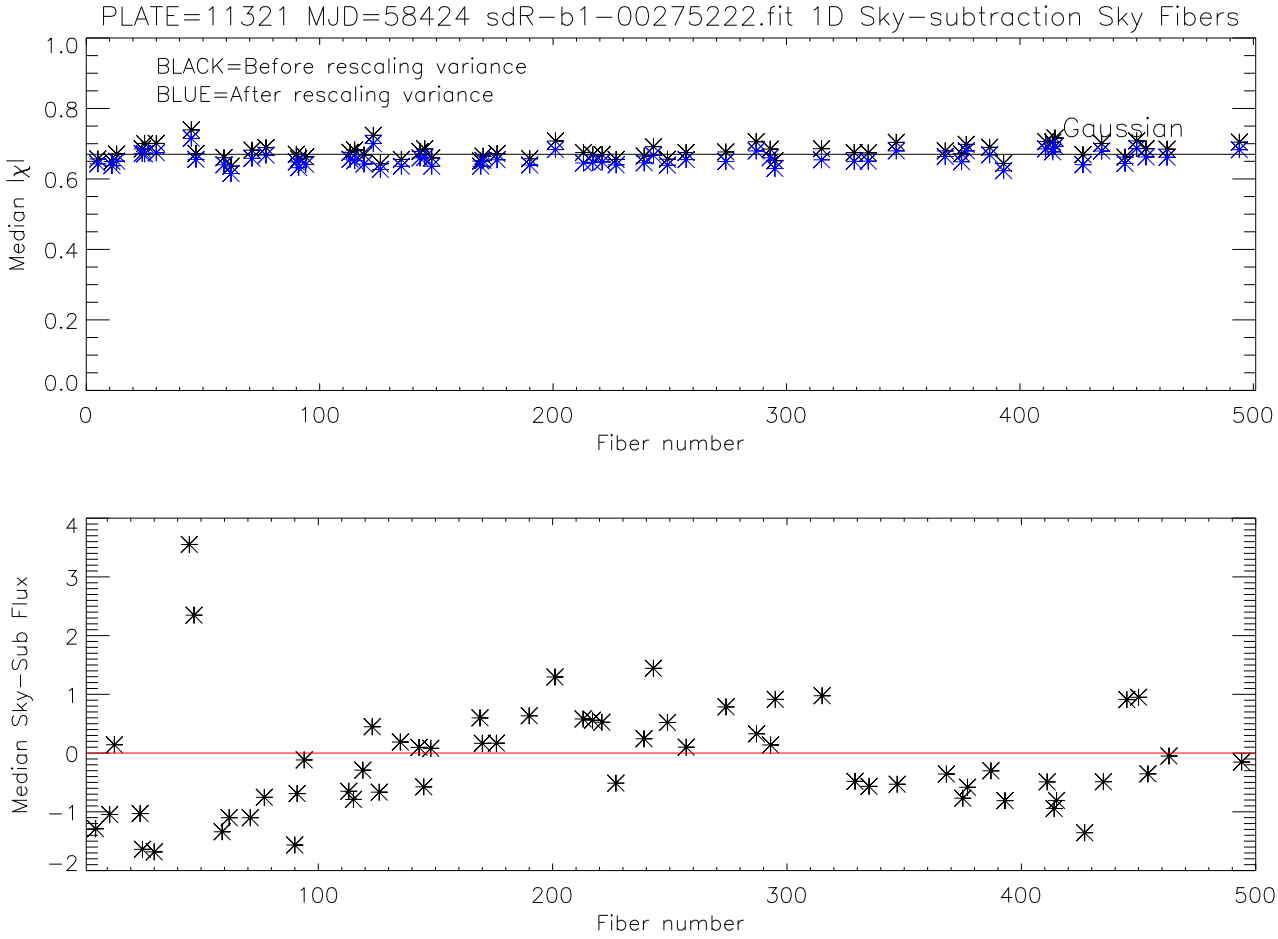

PLATE=11321 MJD=58424 sdR-b1-00275221.fit Skyline Flux at 5578.9
Flux (5578.9)/Airmass
Fiber number
RED = sky fiber
Dispersion = 24.46 %
Flux (5578.9)/Airmass
Focal Distance [mm]
Flux (5578.9)/Airmass
Airmass

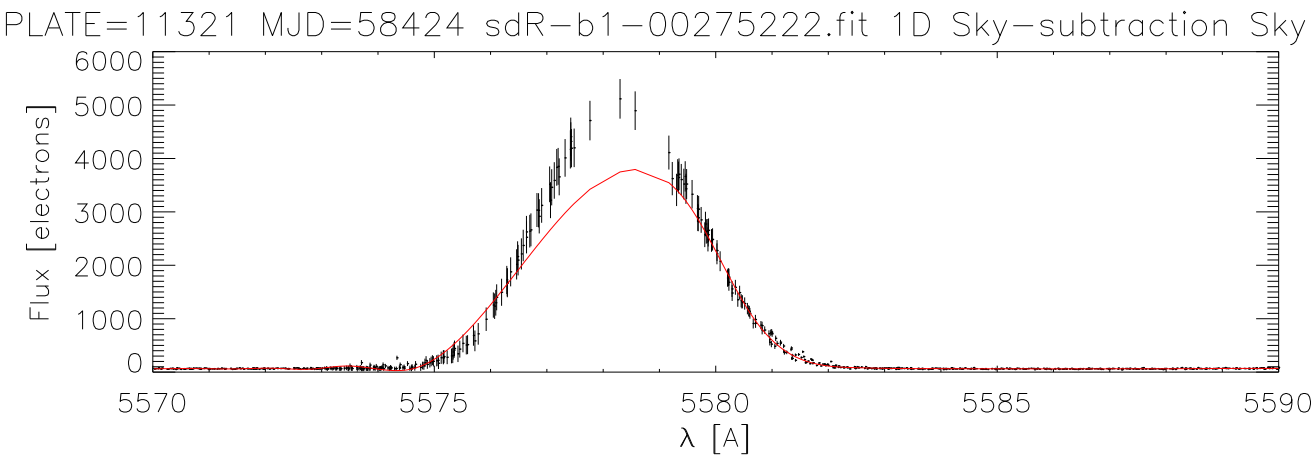

PLATE=11321 MJD=58424 Fiber−Flats for sdR−b1−00275219.fit
BLACK = Median value
ENVELOPE = 95% of points
GREEN = Outlier points
Min value = −7.574
Max value = 18.585
Fiber−Flat
1.5
1.0
0.5
0.0
3000
4000
5000
6000
7000
λ [A]
Mon May 11 16:31:21 2020

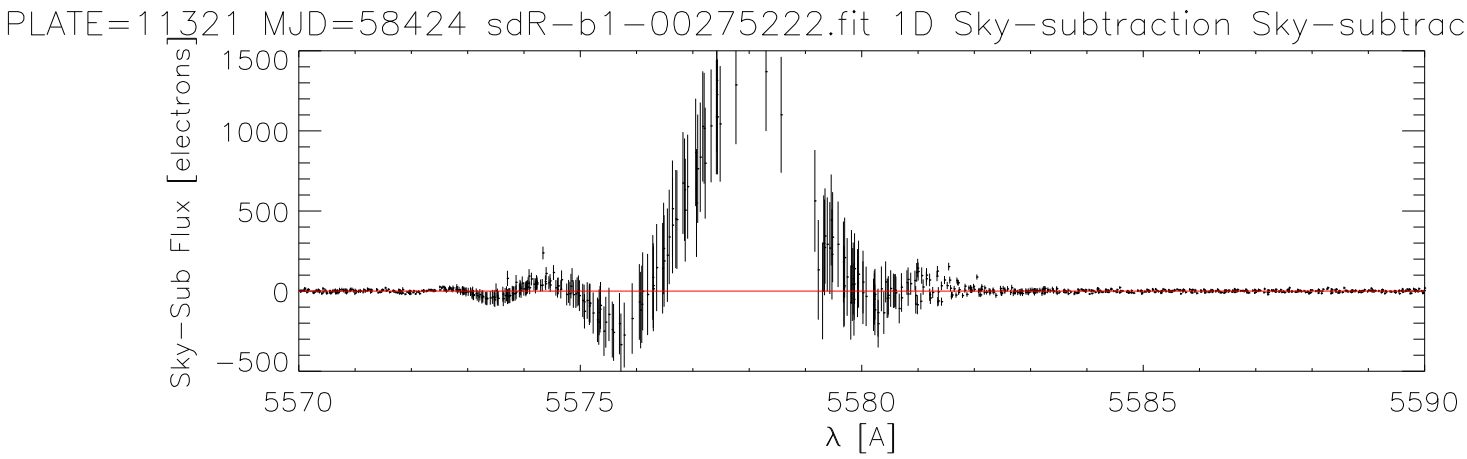

PLATE=11321 MJD=58424 Extraction chi^2 for sdR−b1−00275222.fit
BLACK = Final chisq extraction
χ^2
1.0
0.8
0.6
0.4
0.2
0.0
0
1000
2000
3000
4000
Row number


PLATE=11321 MJD=58424 Sky Line Deviations for sdR-b1-00275222.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

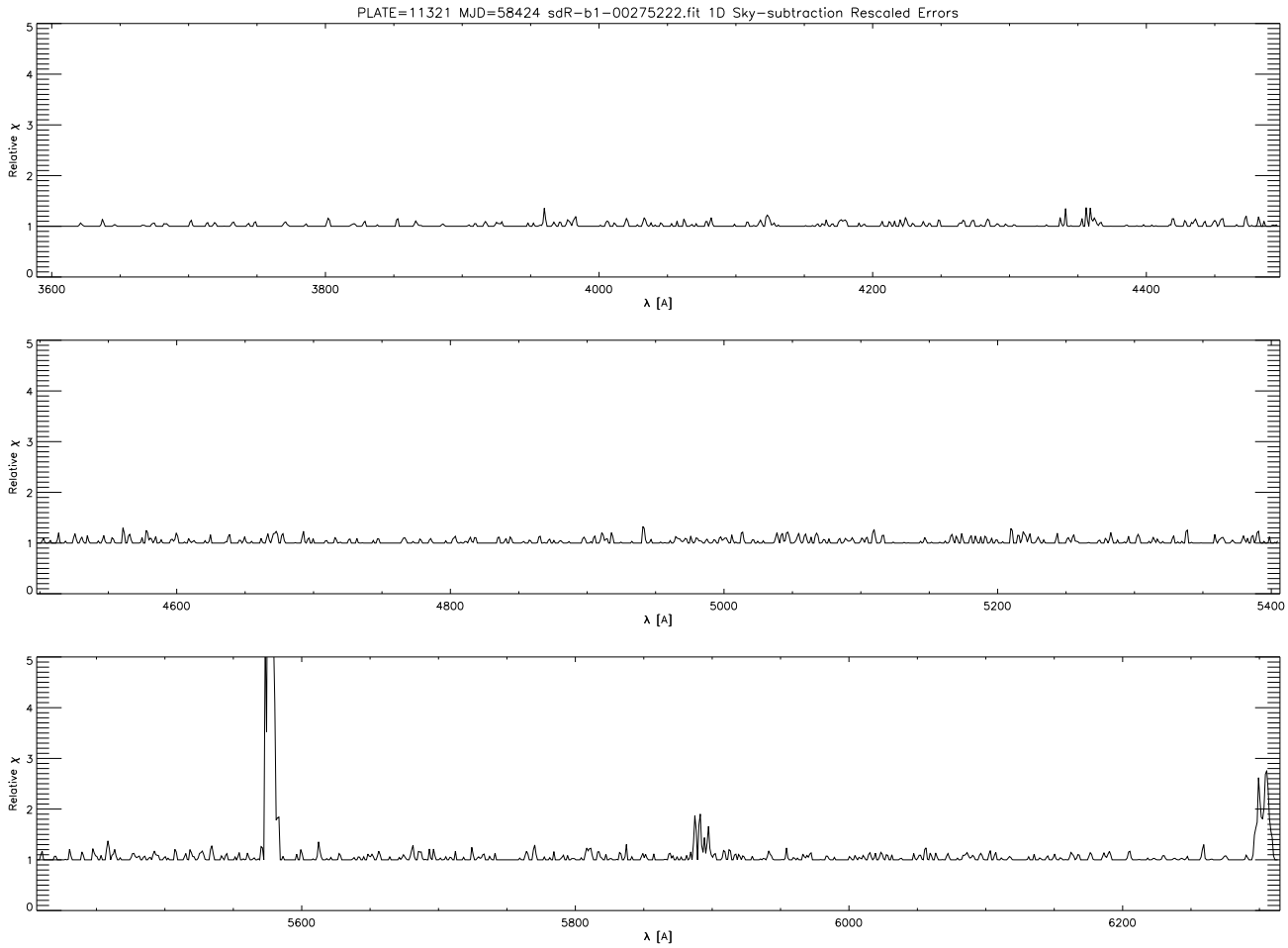

PLATE=11321 MJD=58424 Smooth superflat for sdR-b1-00275222.fit
2.0
1.5
1.0
0.5
0.0
1.04
1.02
1.00
0.98
0.96
3000
4000
5000
6000
7000
Wavelength (Å)

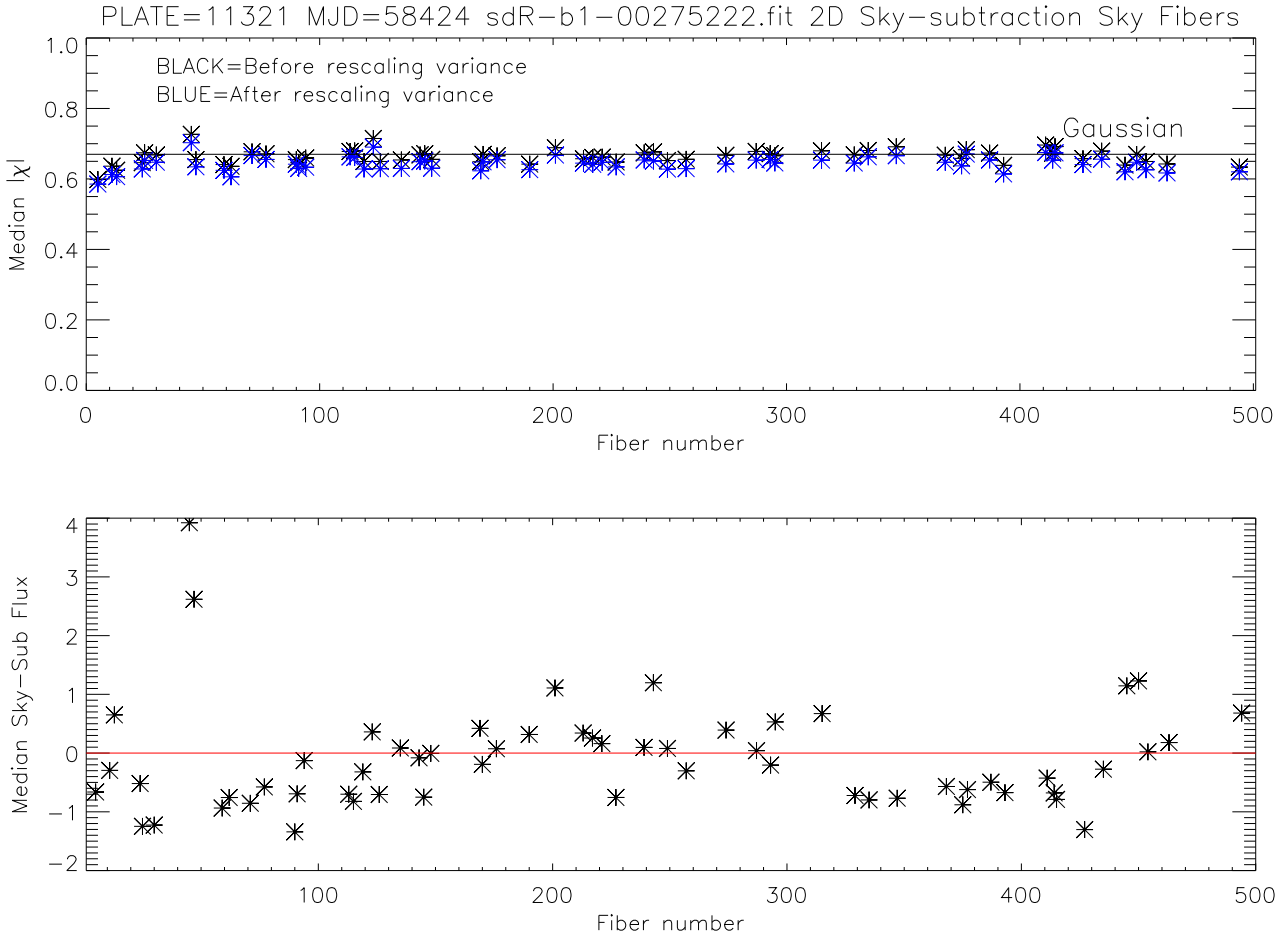

PLATE=11321 MJD=58424 sdR-b1-00275222.fit 1D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

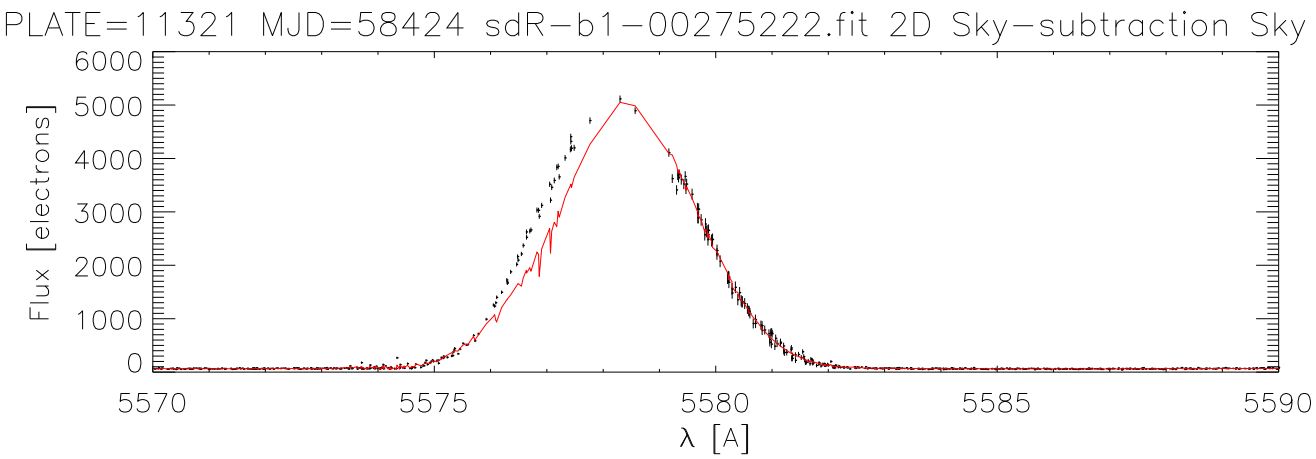

PLATE=11321 MJD=58424 sdR-b1-00275222.fit 1D Sky-subtraction Sky Fibers
Flux [electrons]
6000
5000
4000
3000
2000
1000
0
5570
5575
5580
5585
5590
λ [A]

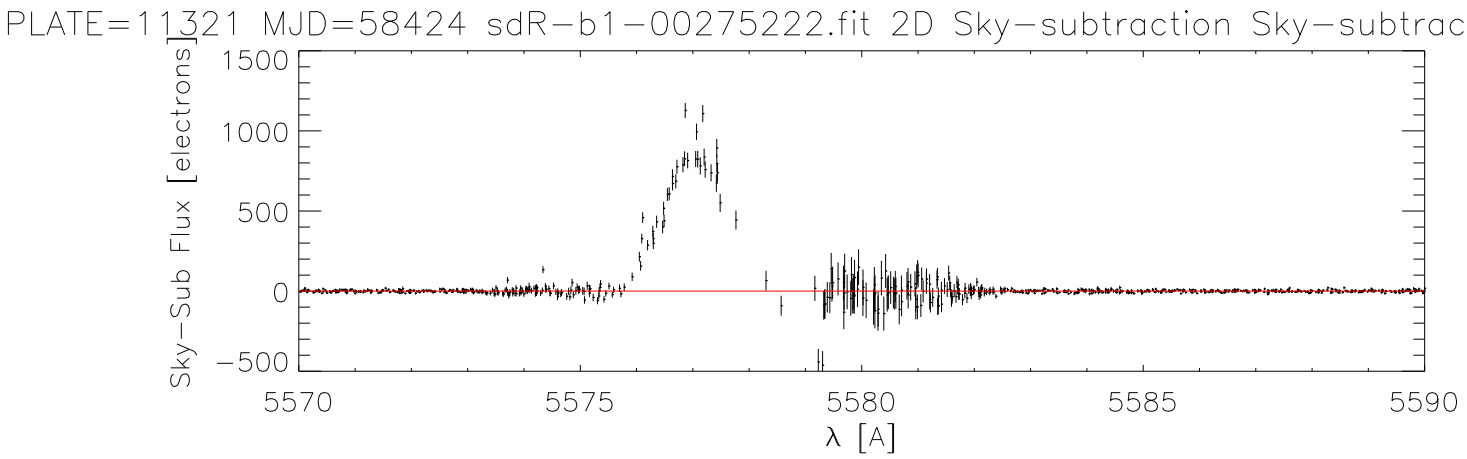

PLATE=11321 MJD=58424 sdR-b1-00275222.fit 1D Sky-subtraction Sky-subtracted Sky
Sky-Sub Flux [electrons]
1500
1000
500
0
-500
5570
5575
5580
5585
5590
λ [A]

Number of sky fibers = 60

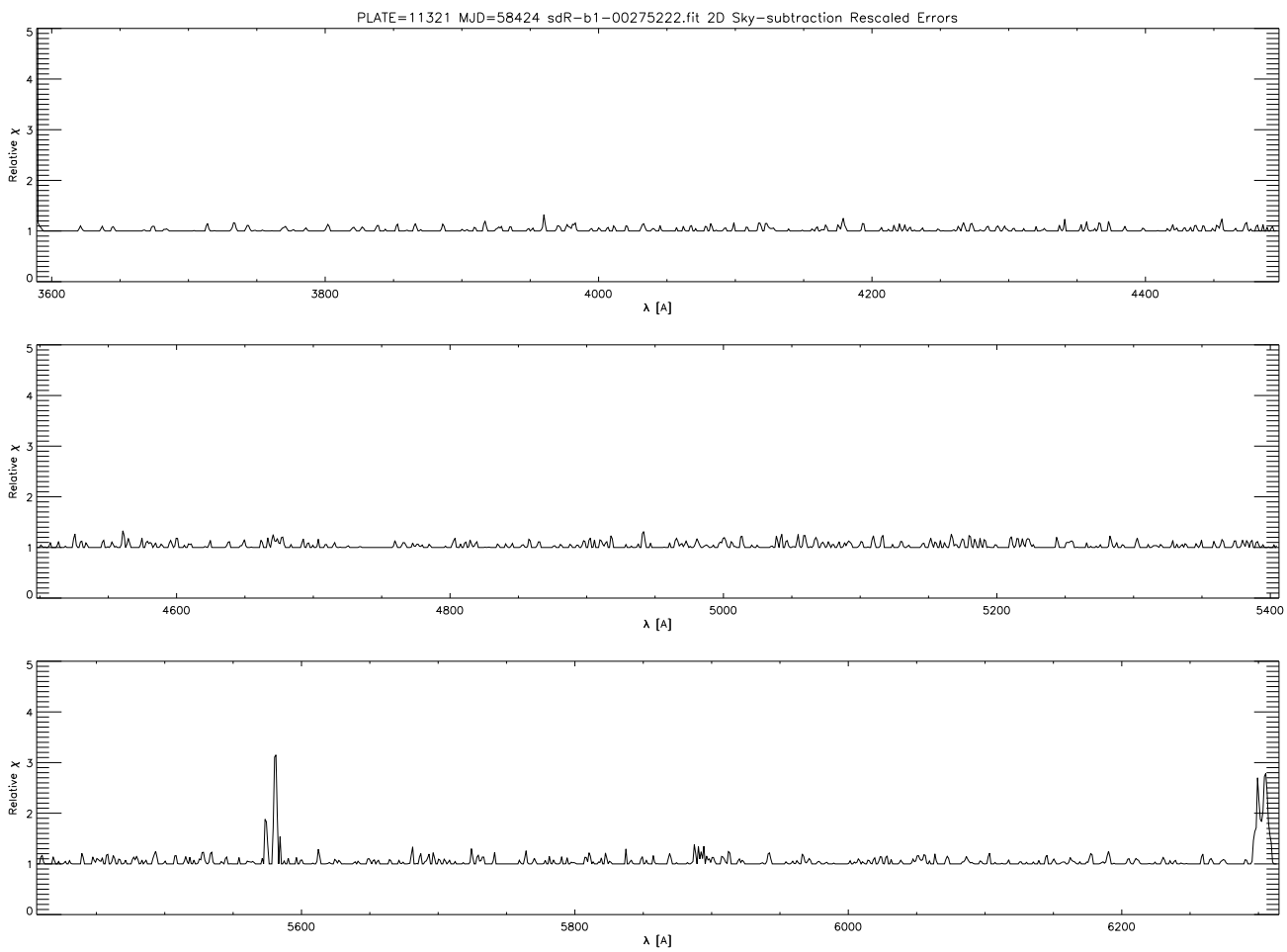


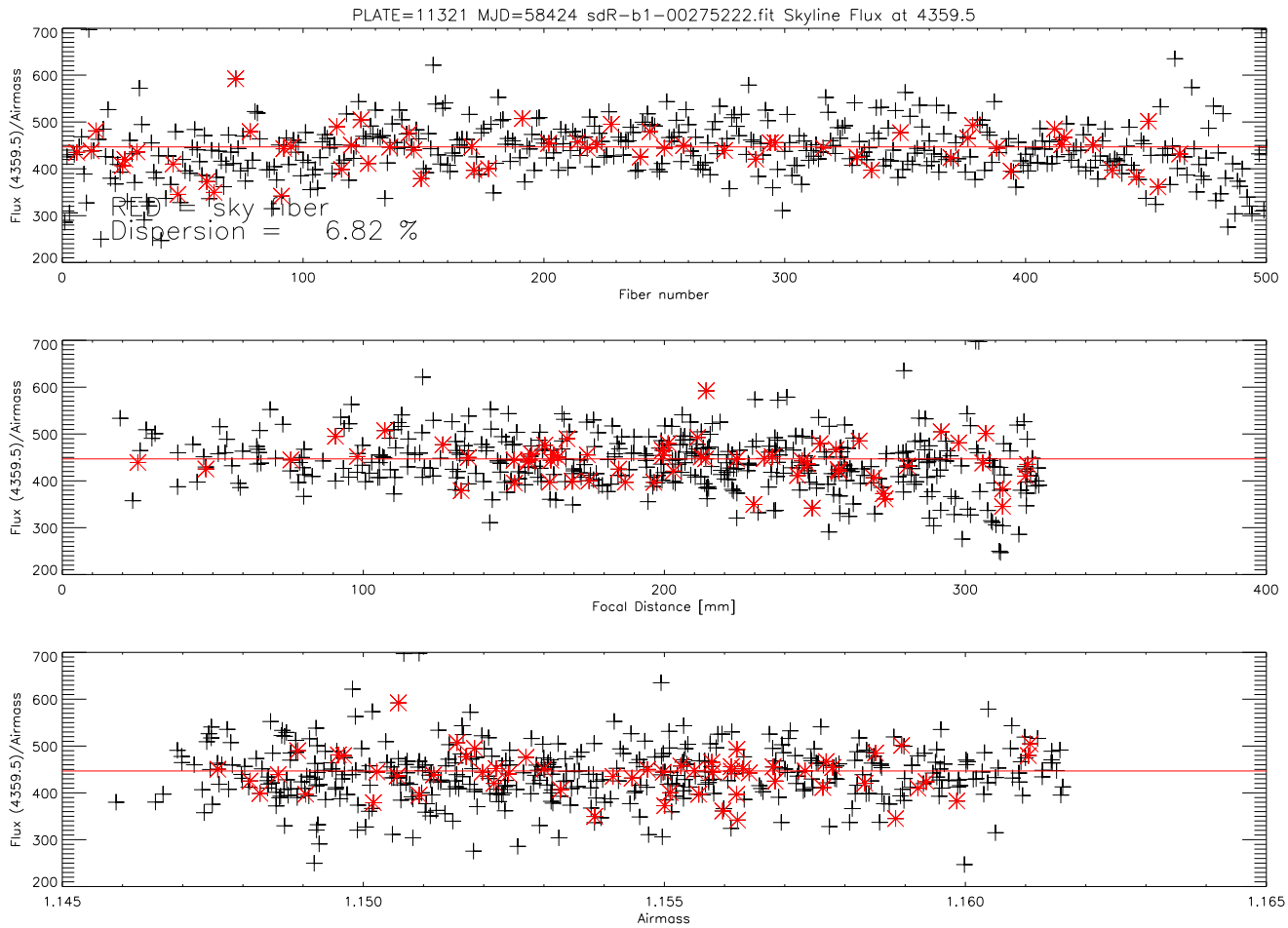

PLATE=11321 MJD=58424 sdR-b1-00275222.fit 2D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

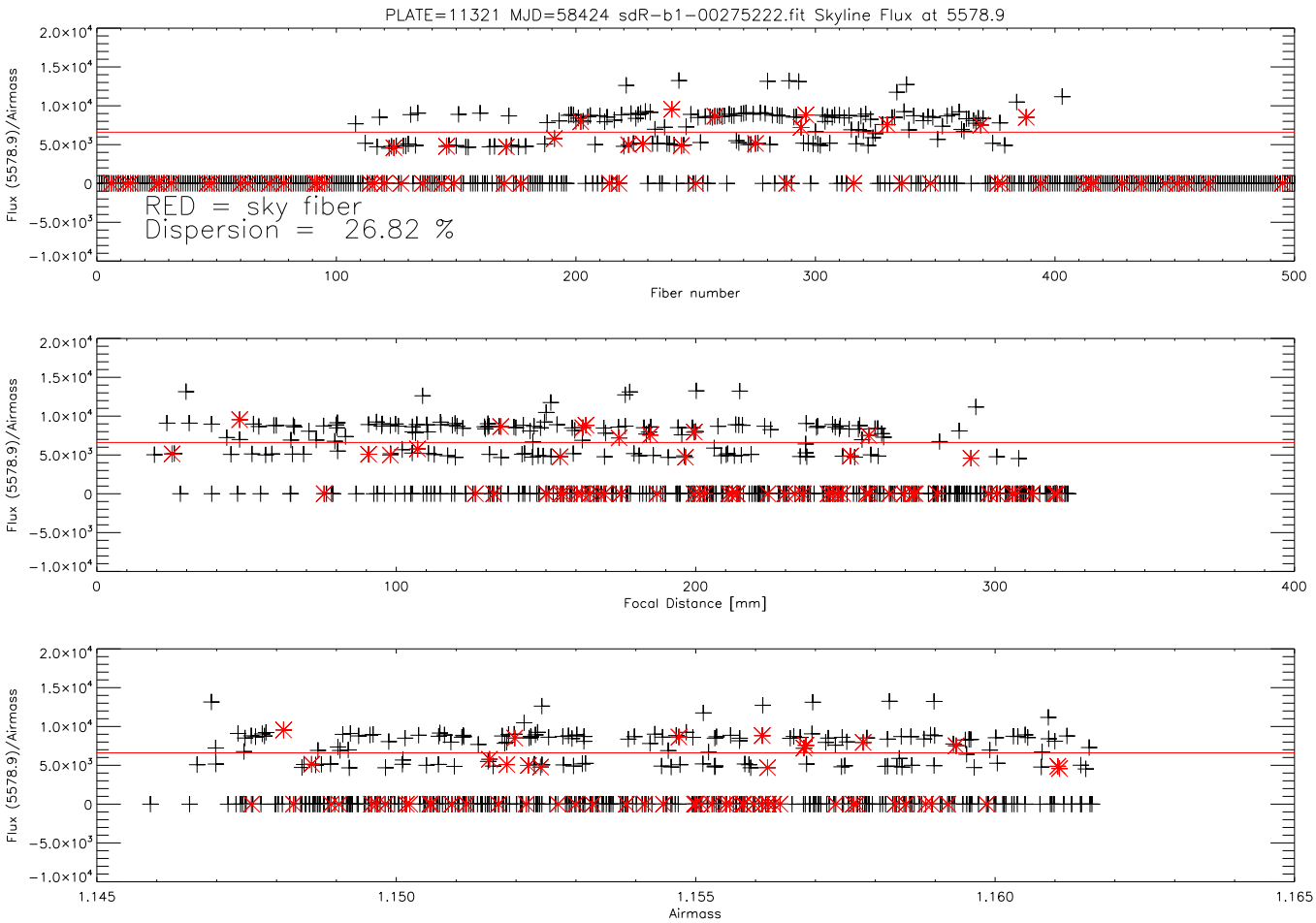

PLATE=11321 MJD=58424 sdR-b1-00275222.fit 2D Sky-subtraction Sky Fibers
Flux [electrons]
6000
5000
4000
3000
2000
1000
0
5570
5575
5580
5585
5590
λ [A]

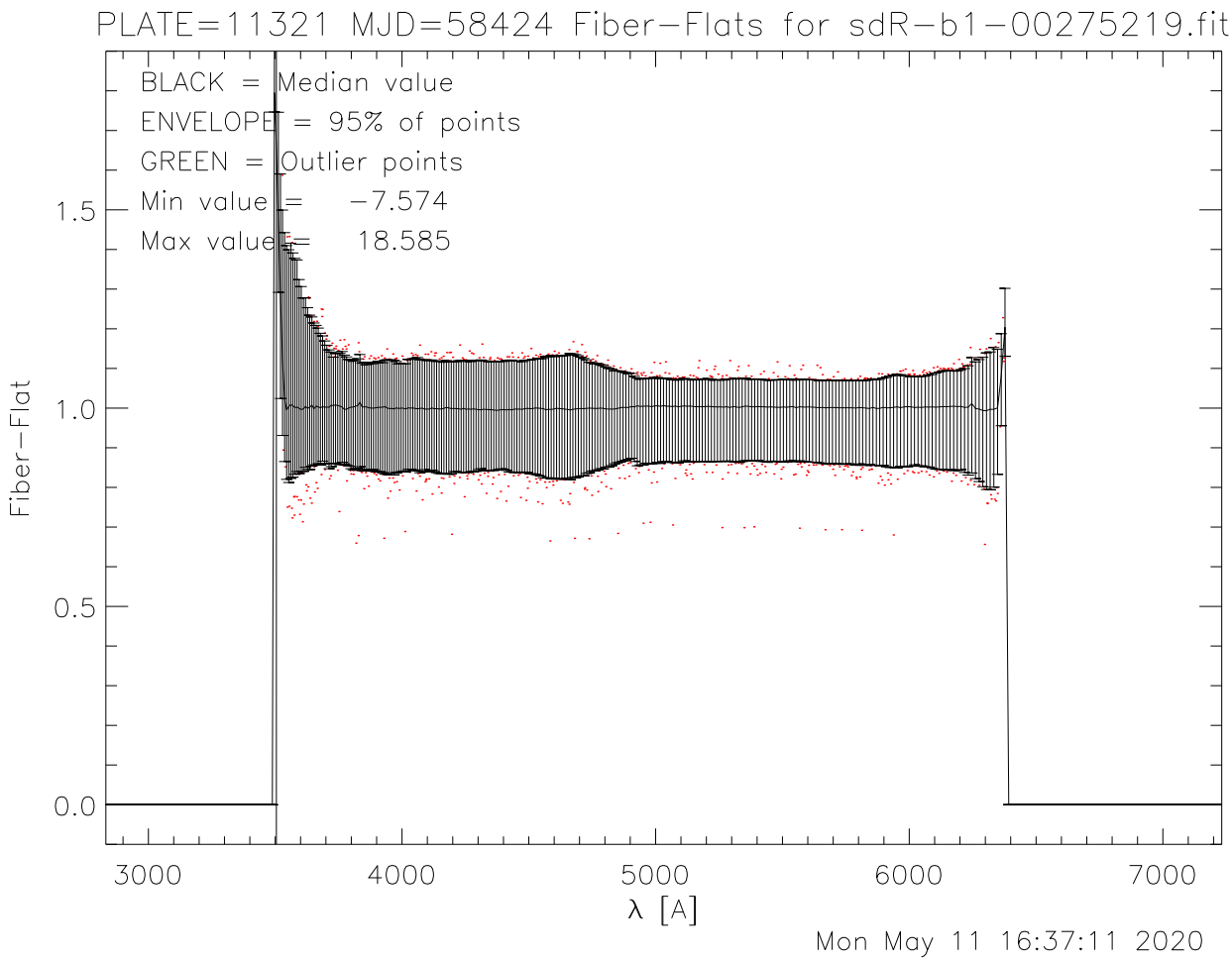

PLATE=11321 MJD=58424 sdR-b1-00275222.fit 2D Sky-subtraction Sky-subtracted Sky
Sky-Sub Flux [electrons]
1500
1000
500
0
-500
5570
5575
5580
5585
5590
λ [A]

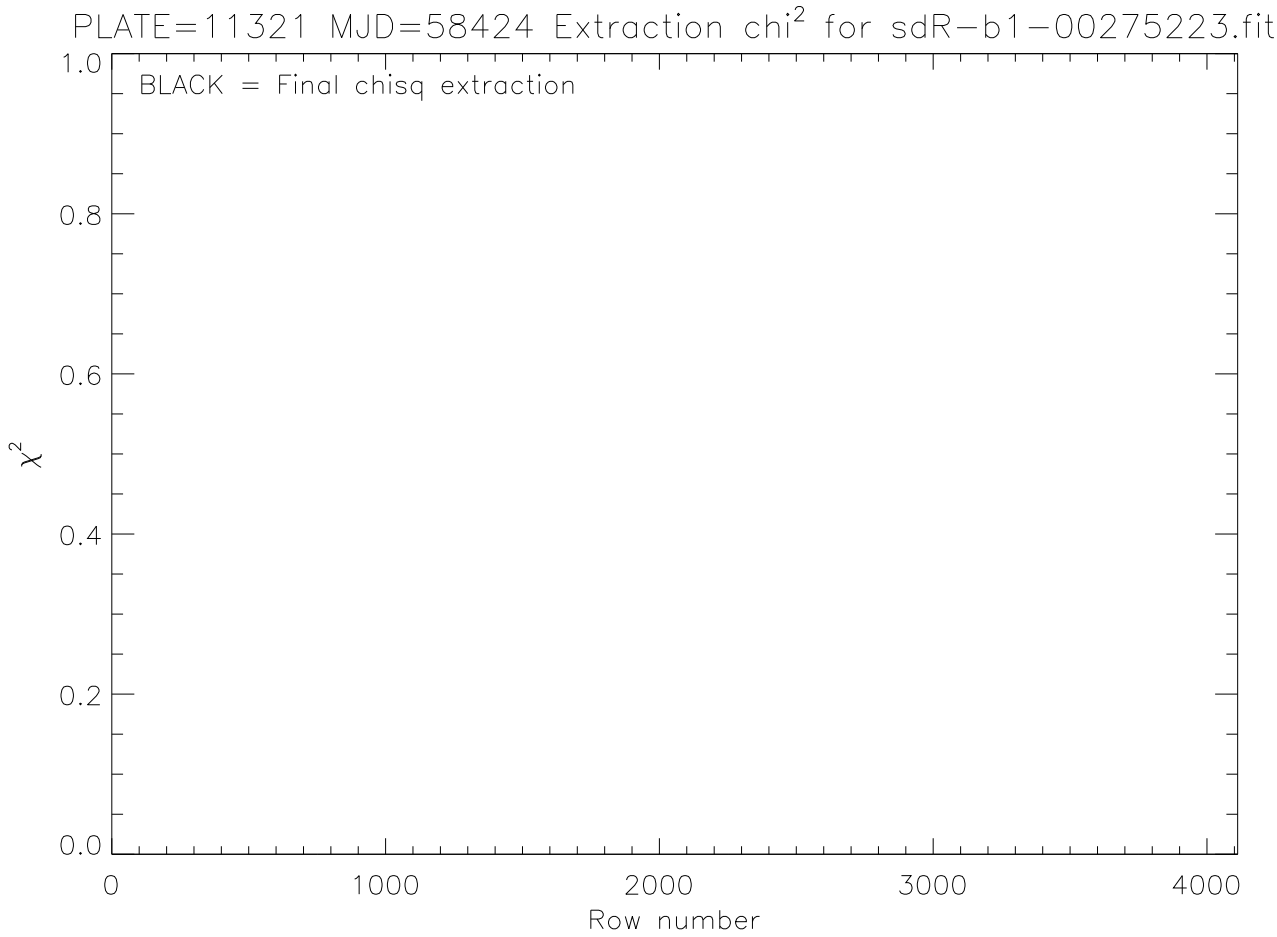
Number of sky fibers = 60

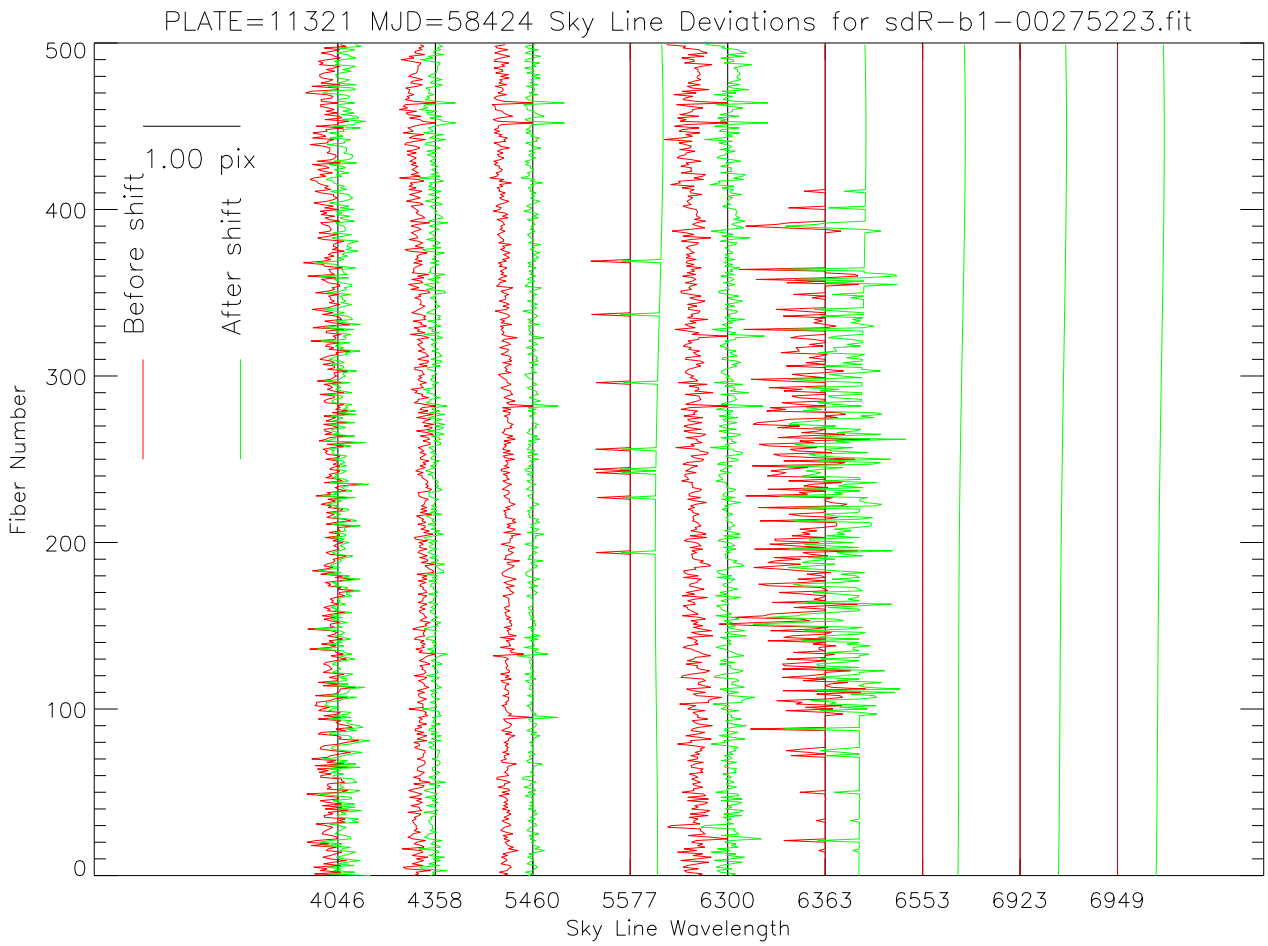


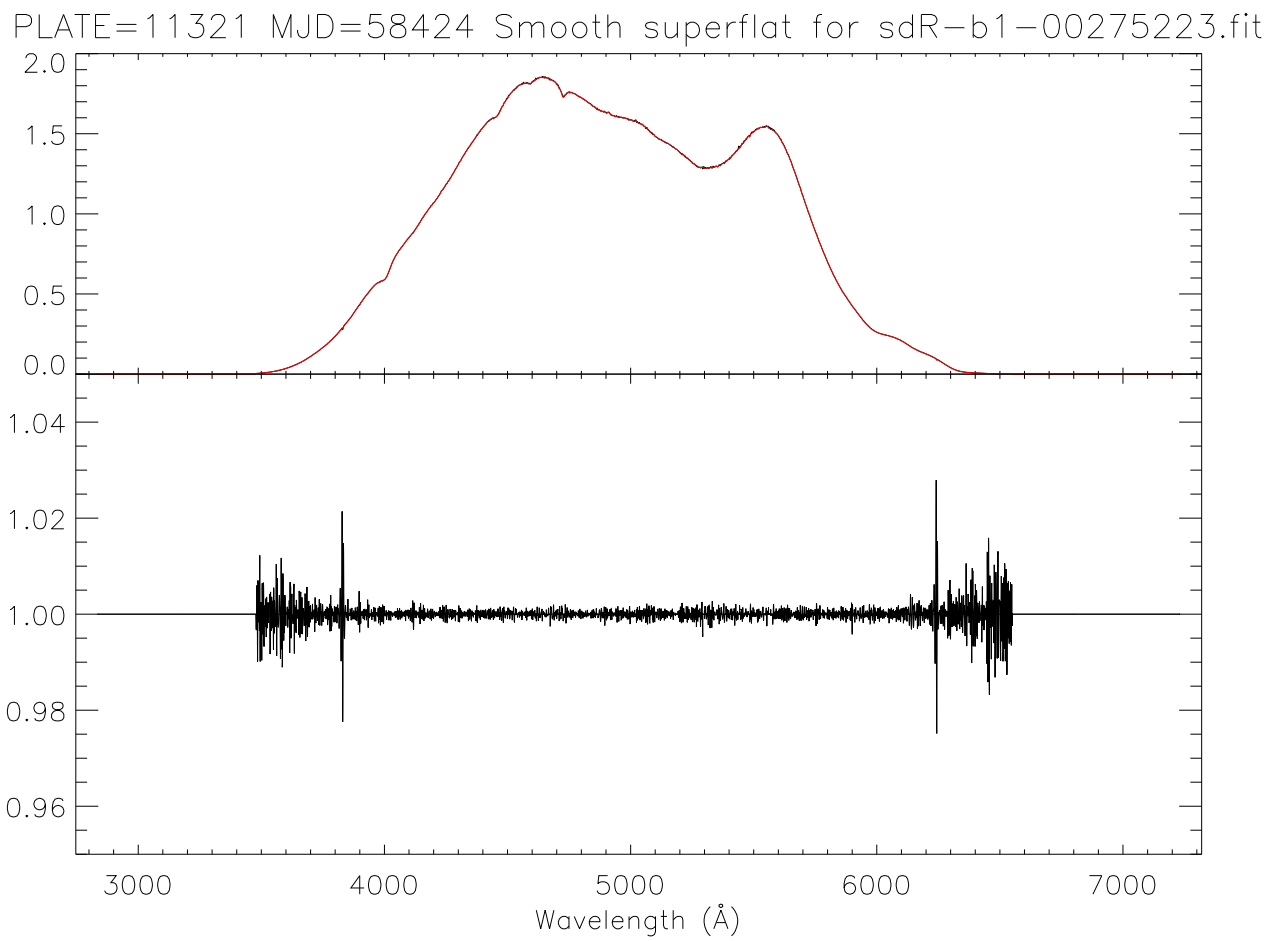

PLATE=11321 MJD=58424 sdR-b1-00275222.fit Skyline Flux at 4359.5
Flux (4359.5)/Airmass
Fiber number
RED = sky fiber
Dispersion = 6.82 %
Flux (4359.5)/Airmass
Focal Distance [mm]
Flux (4359.5)/Airmass
Airmass

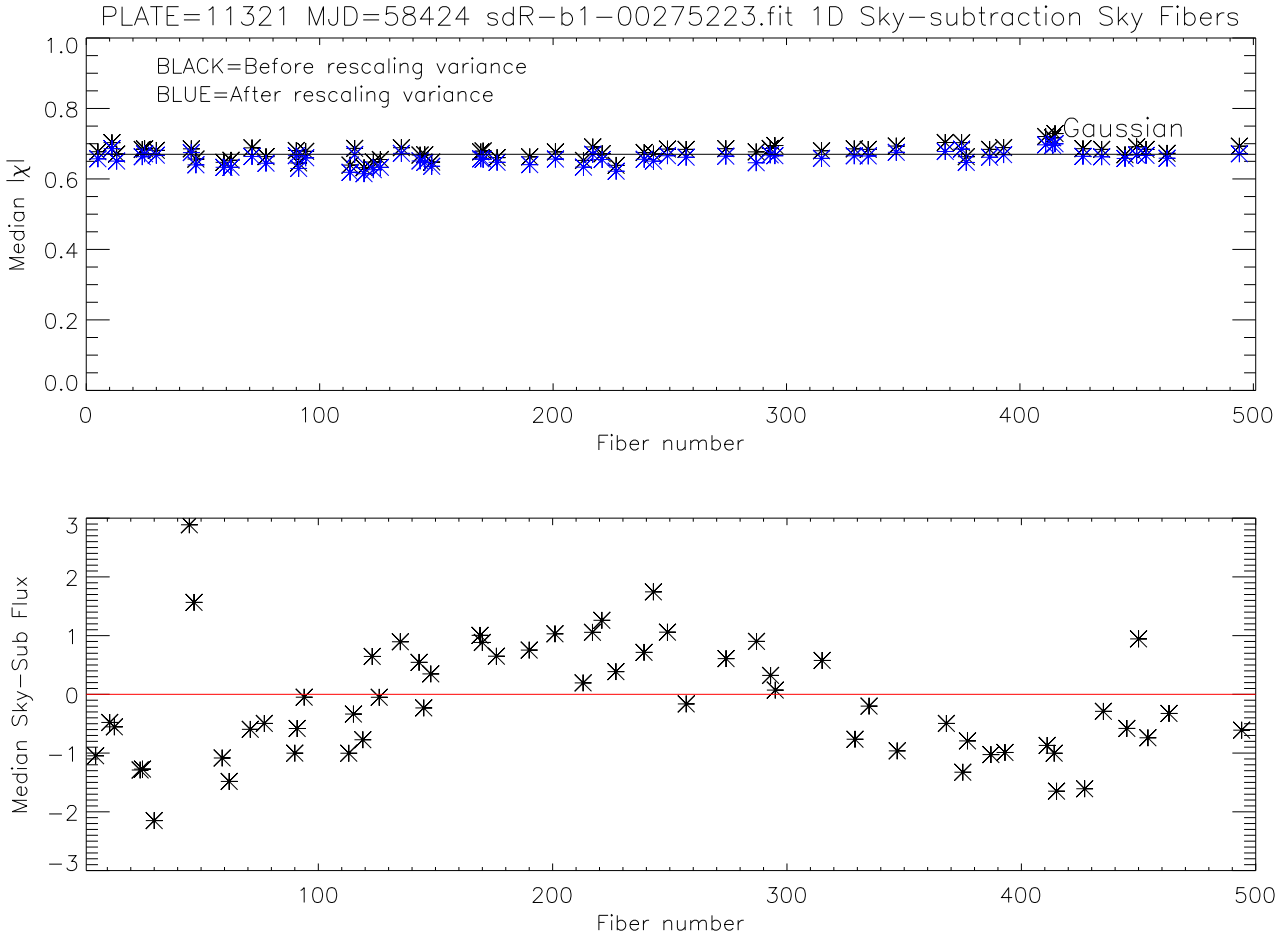

PLATE=11321 MJD=58424 sdR-b1-00275222.fit Skyline Flux at 5578.9
Flux (5578.9)/Airmass
RED = sky fiber
Dispersion = 26.82 %
Fiber number
Flux (5578.9)/Airmass
Focal Distance [mm]
Flux (5578.9)/Airmass
Airmass

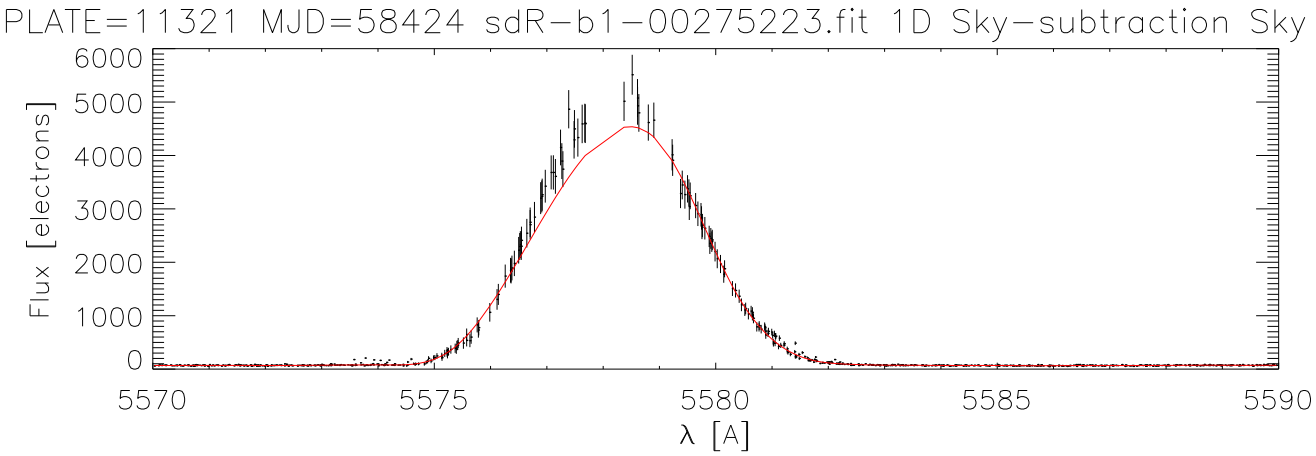

PLATE=11321 MJD=58424 Fiber−Flats for sdR−b1−00275219.fit
BLACK = Median value
ENVELOPE = 95% of points
GREEN = Outlier points
Min value = −7.574
Max value = 18.585
Fiber−Flat
1.5
1.0
0.5
0.0
3000
4000
5000
6000
7000
λ [A]
Mon May 11 16:37:11 2020

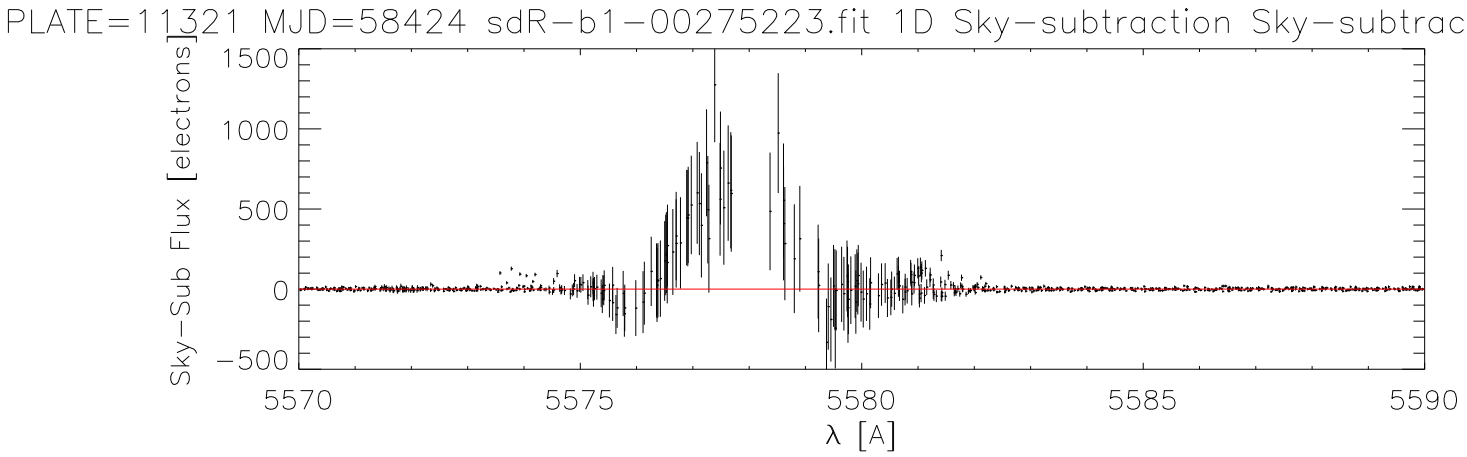

PLATE=11321 MJD=58424 Extraction chi^2 for sdR-b1-00275223.fit
BLACK = Final chisq extraction
χ^2
1.0
0.8
0.6
0.4
0.2
0.0
0
1000
2000
3000
4000
Row number


PLATE=11321 MJD=58424 Sky Line Deviations for sdR-b1-00275223.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

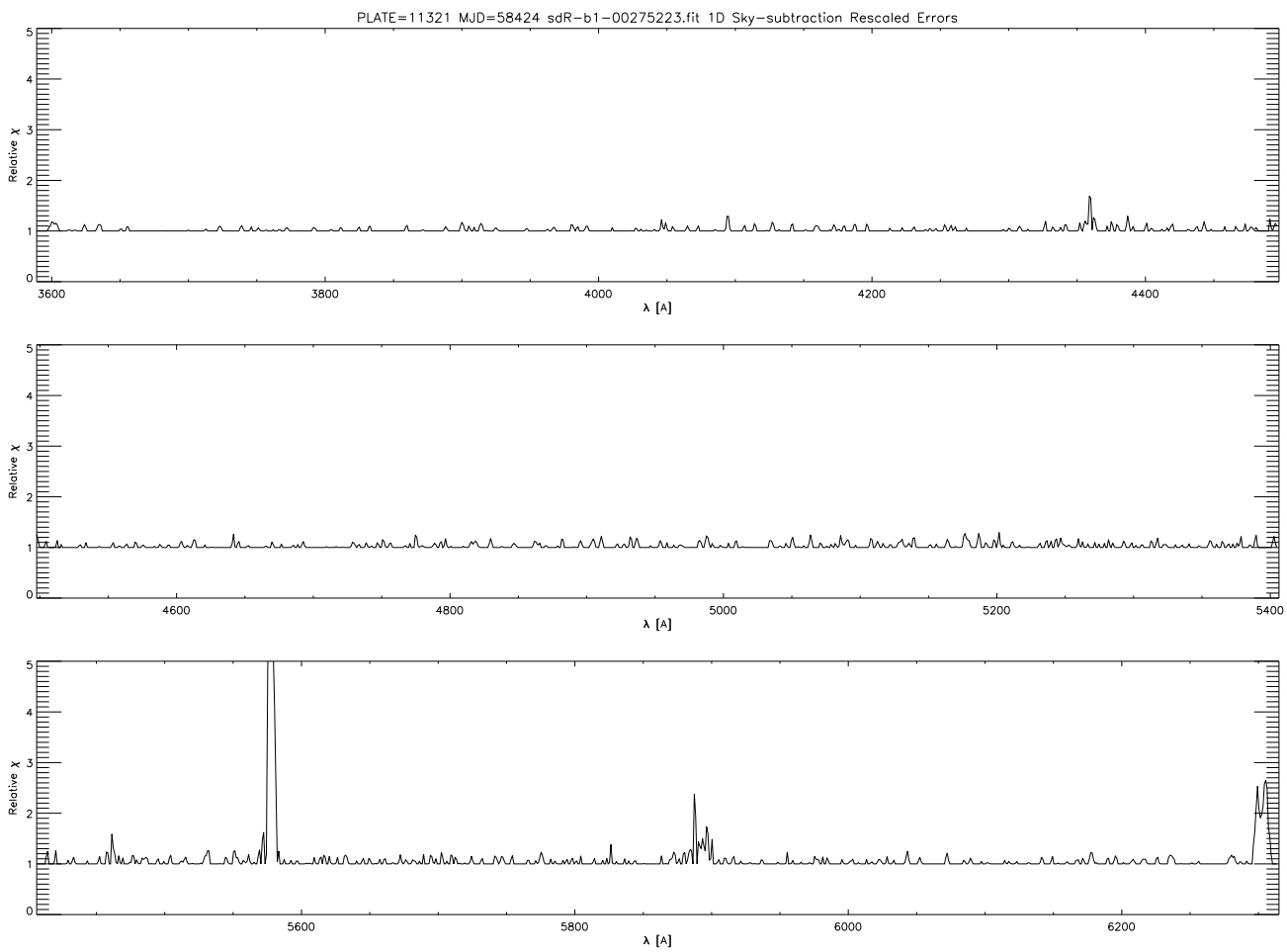

PLATE=11321 MJD=58424 Smooth superflat for sdR-b1-00275223.fit
2.0
1.5
1.0
0.5
0.0
1.04
1.02
1.00
0.98
0.96
3000
4000
5000
6000
7000
Wavelength (Å)

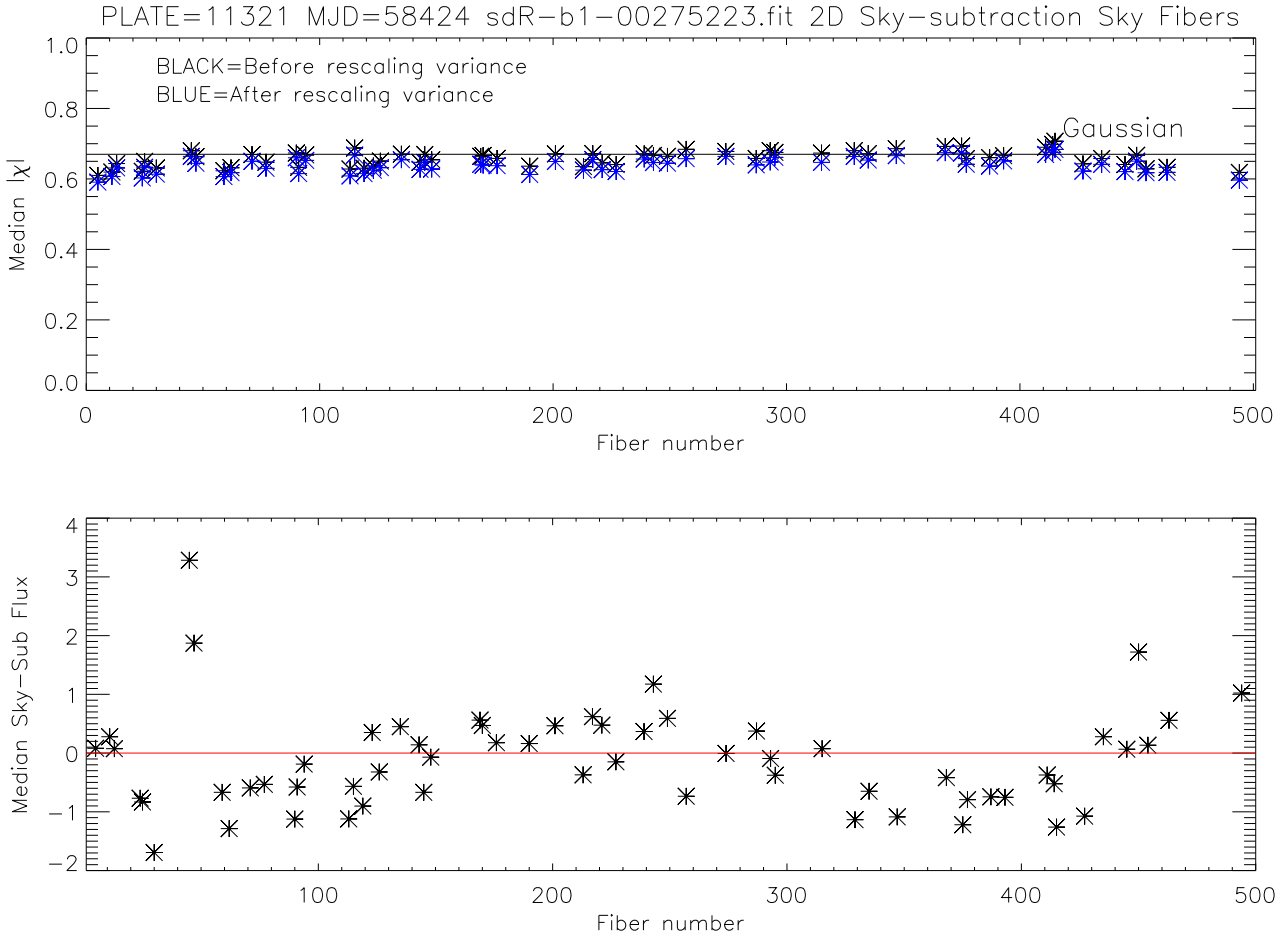

PLATE=11321 MJD=58424 sdR-b1-00275223.fit 1D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

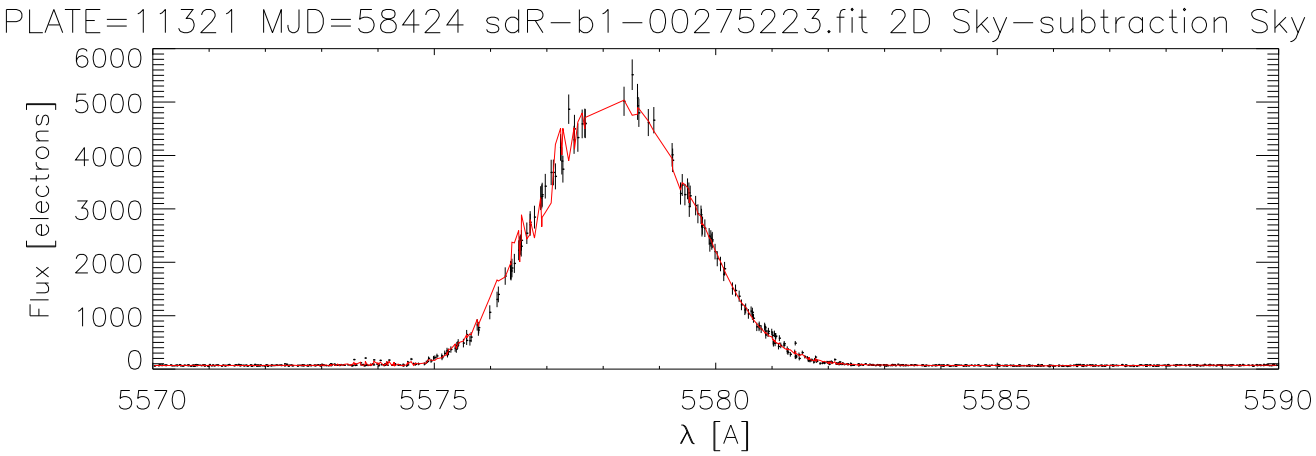

PLATE=11321 MJD=58424 sdR-b1-00275223.fit 1D Sky-subtraction Sky Fibers
Flux [electrons]
6000
5000
4000
3000
2000
1000
0
5570
5575
5580
5585
5590
λ [A]

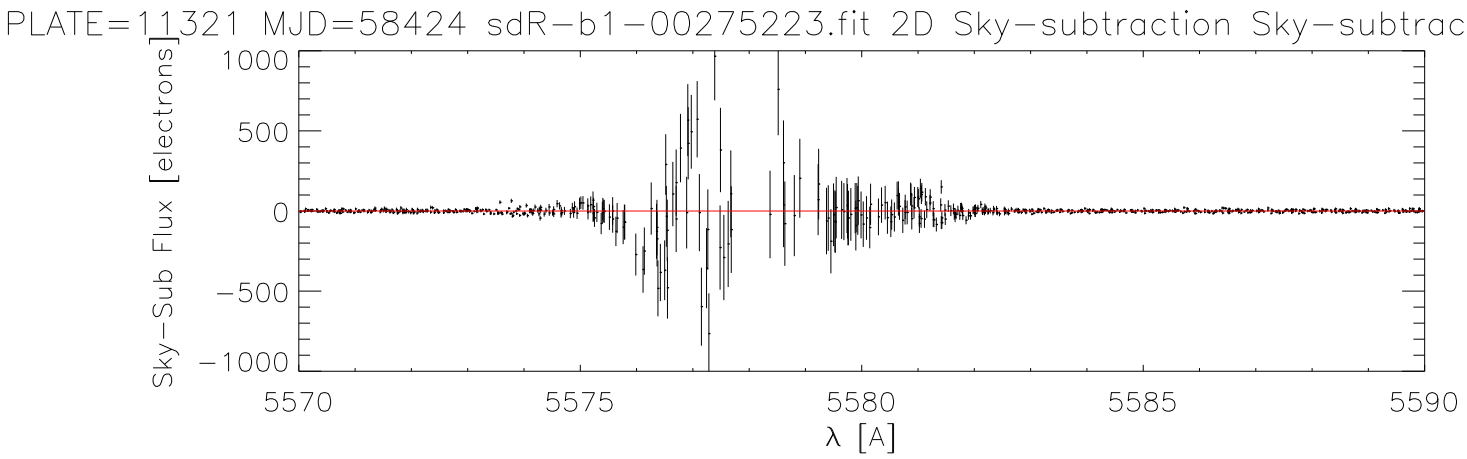

PLATE=11321 MJD=58424 sdR-b1-00275223.fit 1D Sky-subtraction Sky-subtracted Sky
Sky-Sub Flux [electrons]
1500
1000
500
0
-500
5570
5575
5580
5585
5590
λ [A]

Number of sky fibers = 60

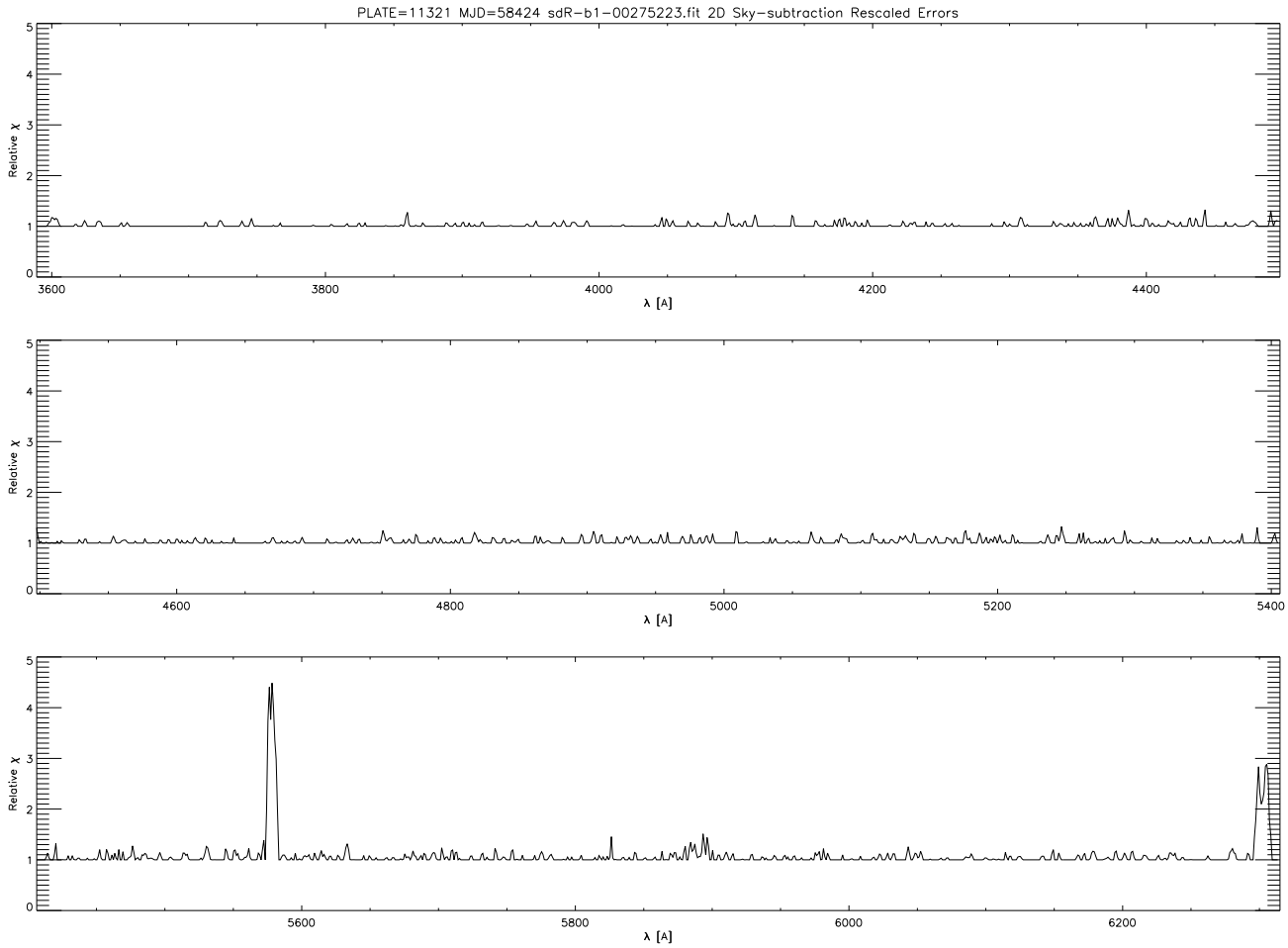


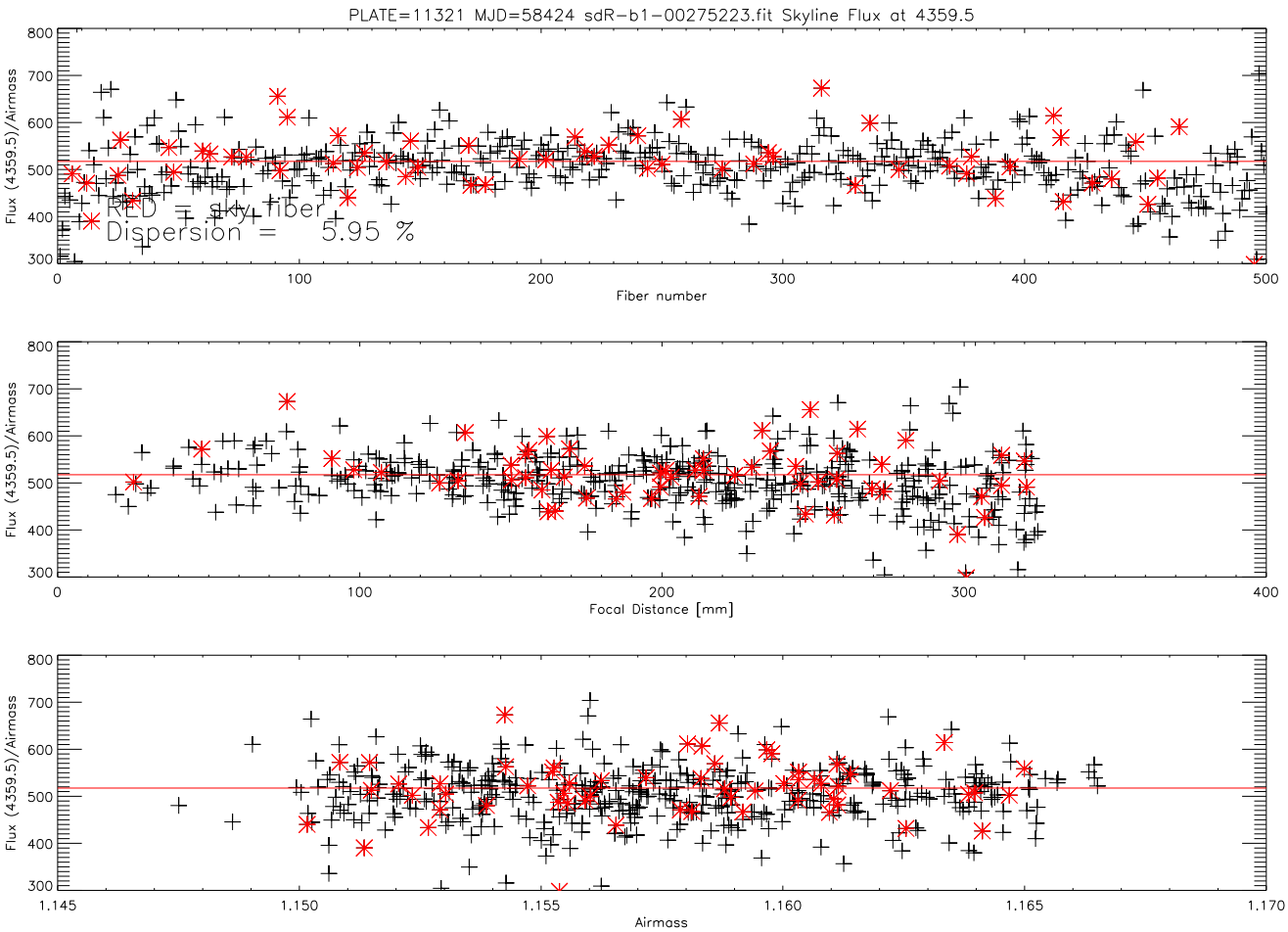

PLATE=11321 MJD=58424 sdR-b1-00275223.fit 2D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

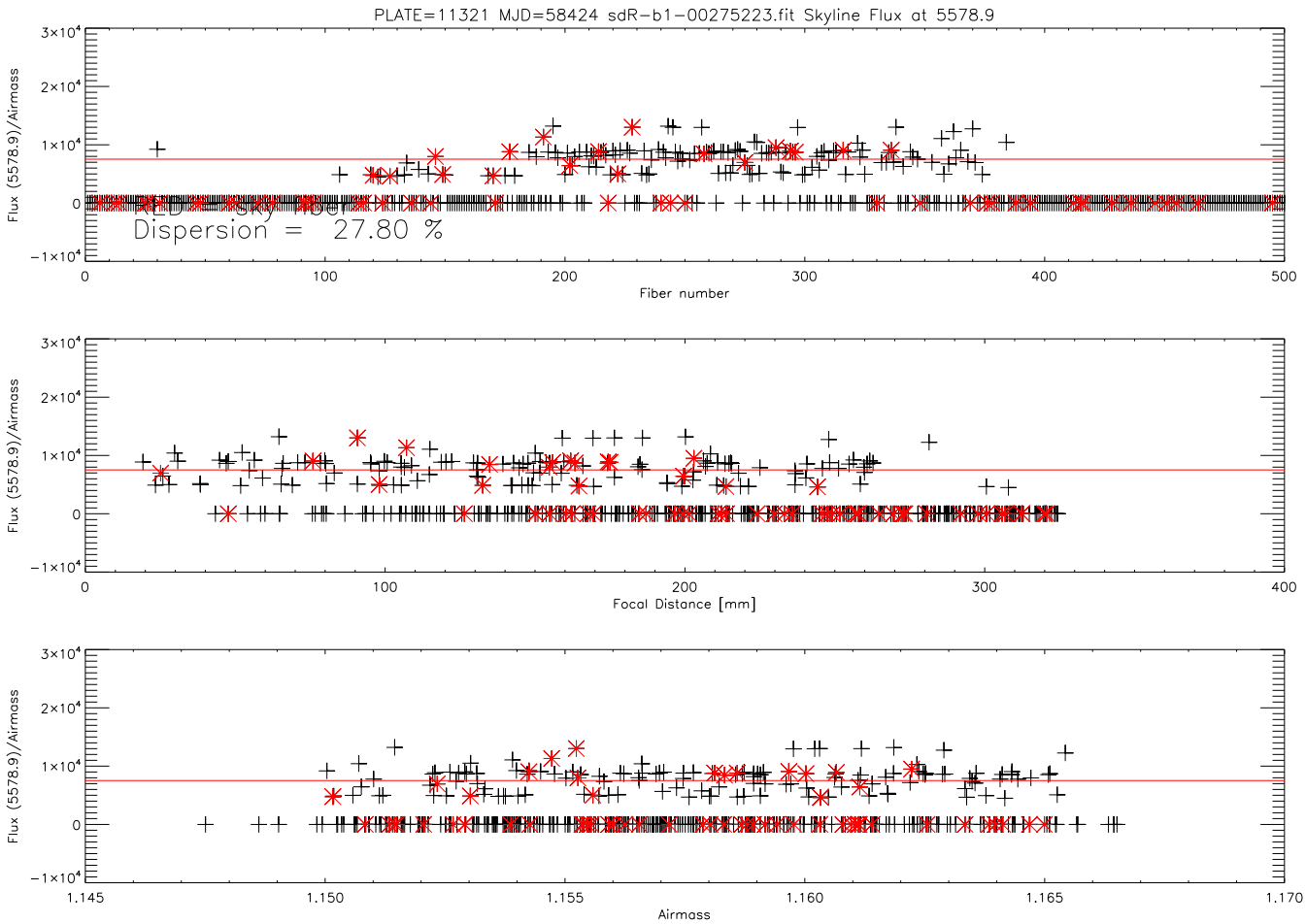

PLATE=11321 MJD=58424 sdR-b1-00275223.fit 2D Sky-subtraction Sky Fibers
Flux [electrons]
6000
5000
4000
3000
2000
1000
0
5570
5575
5580
5585
5590
λ [A]

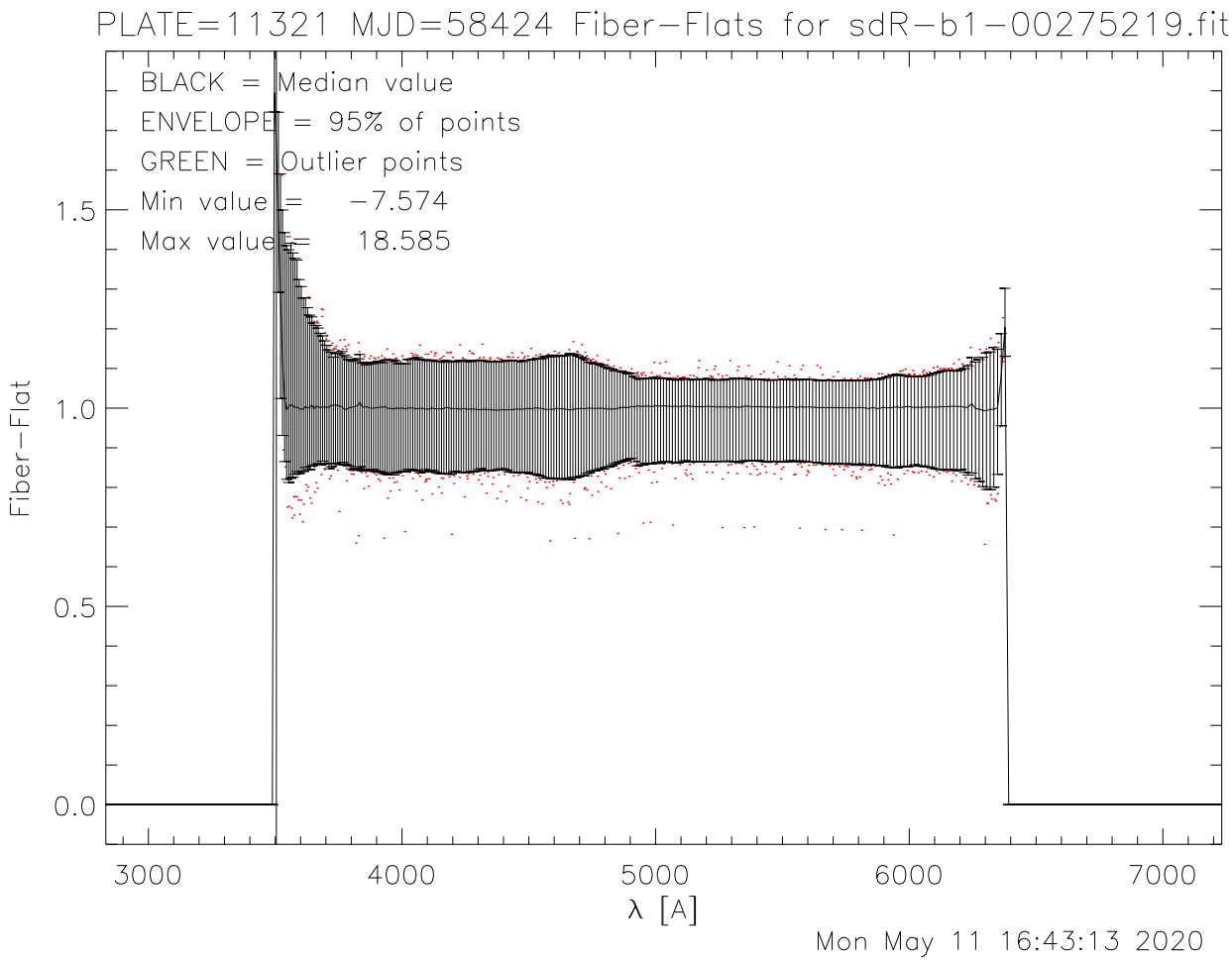

PLATE=11321 MJD=58424 sdR-b1-00275223.fit 2D Sky-subtraction Sky-subtracted Sky
Sky-Sub Flux [electrons]
1000
500
0
-500
-1000
5570
5575
5580
5585
5590
λ [A]

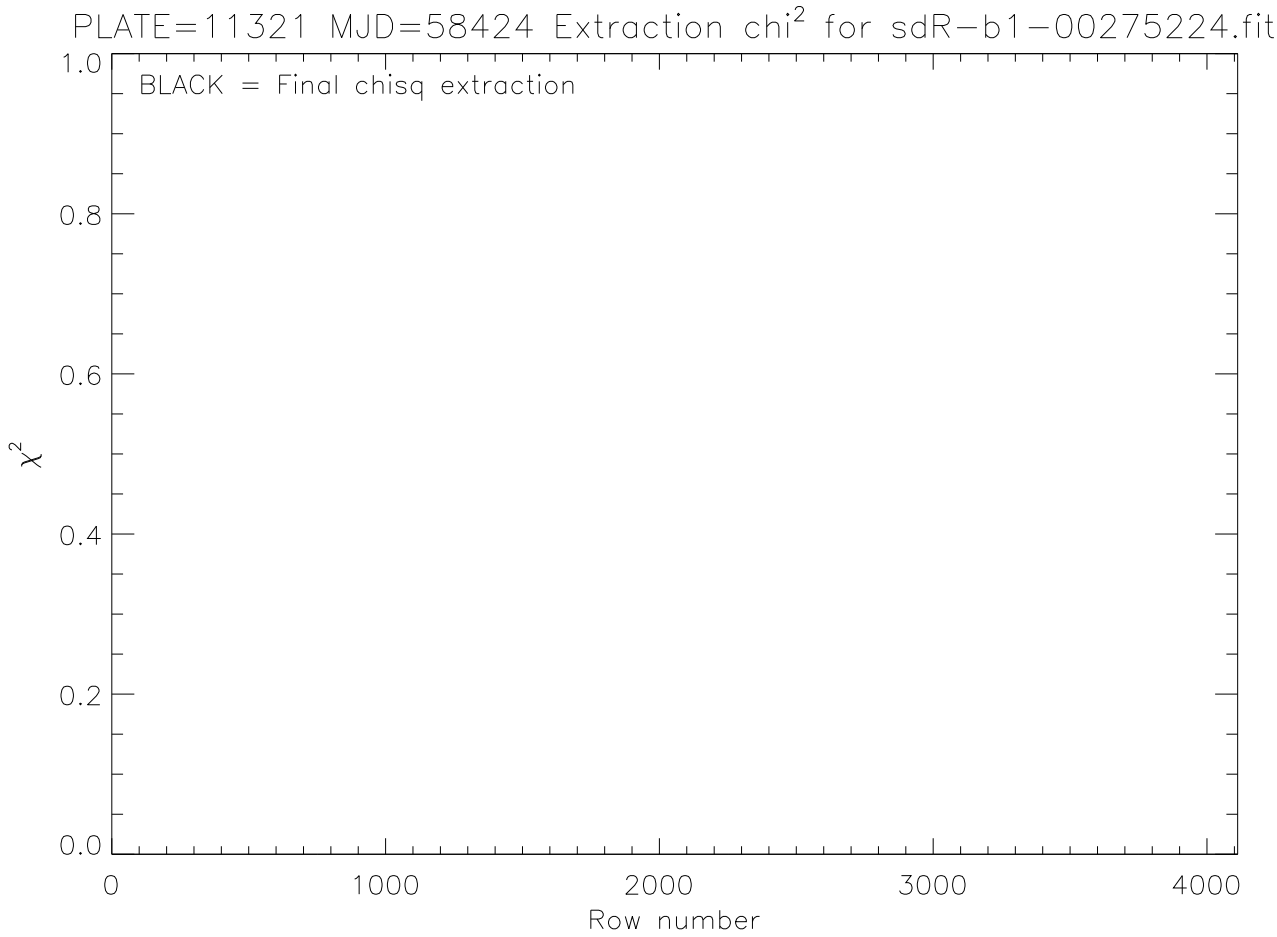
Number of sky fibers = 60

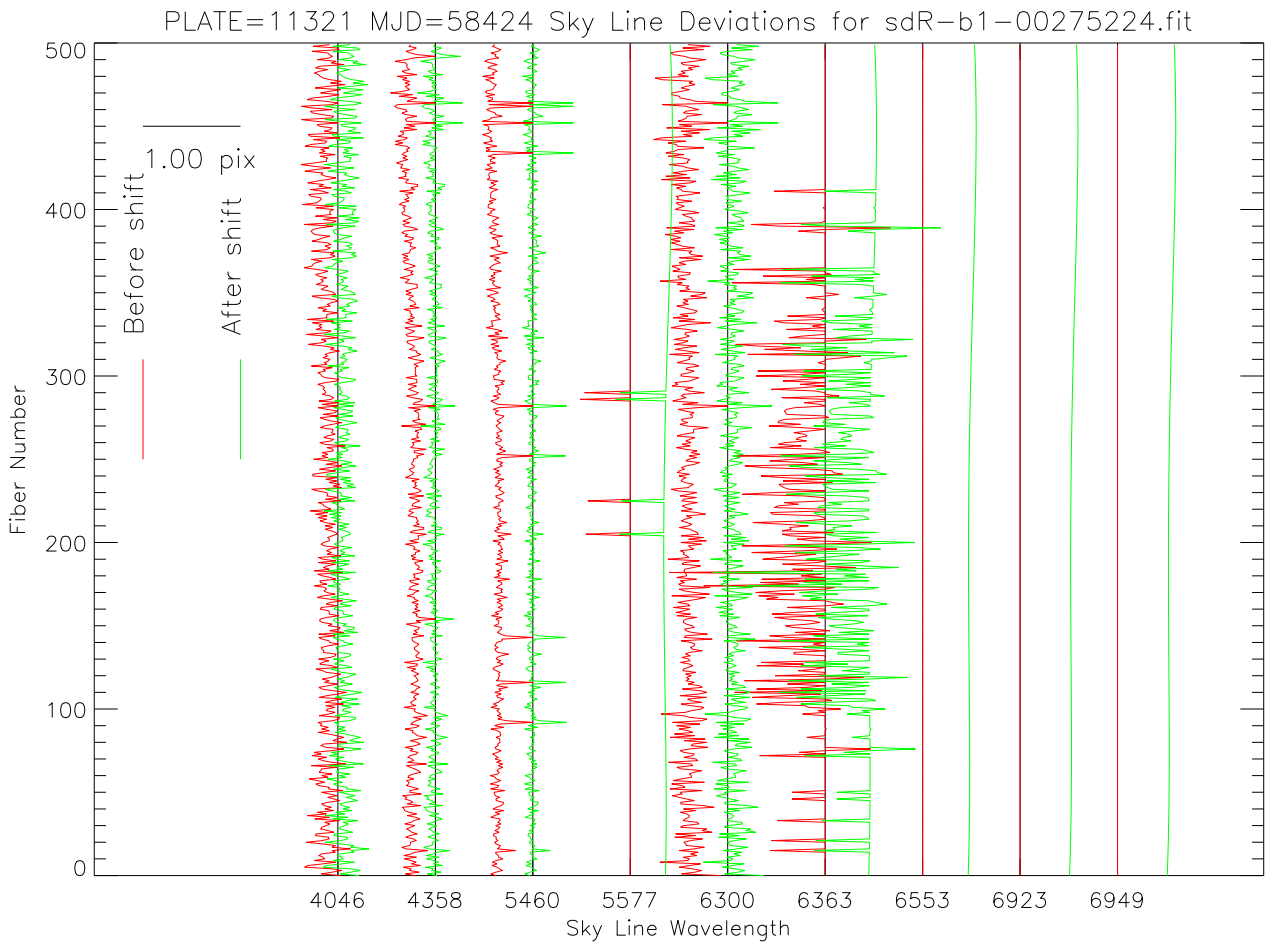


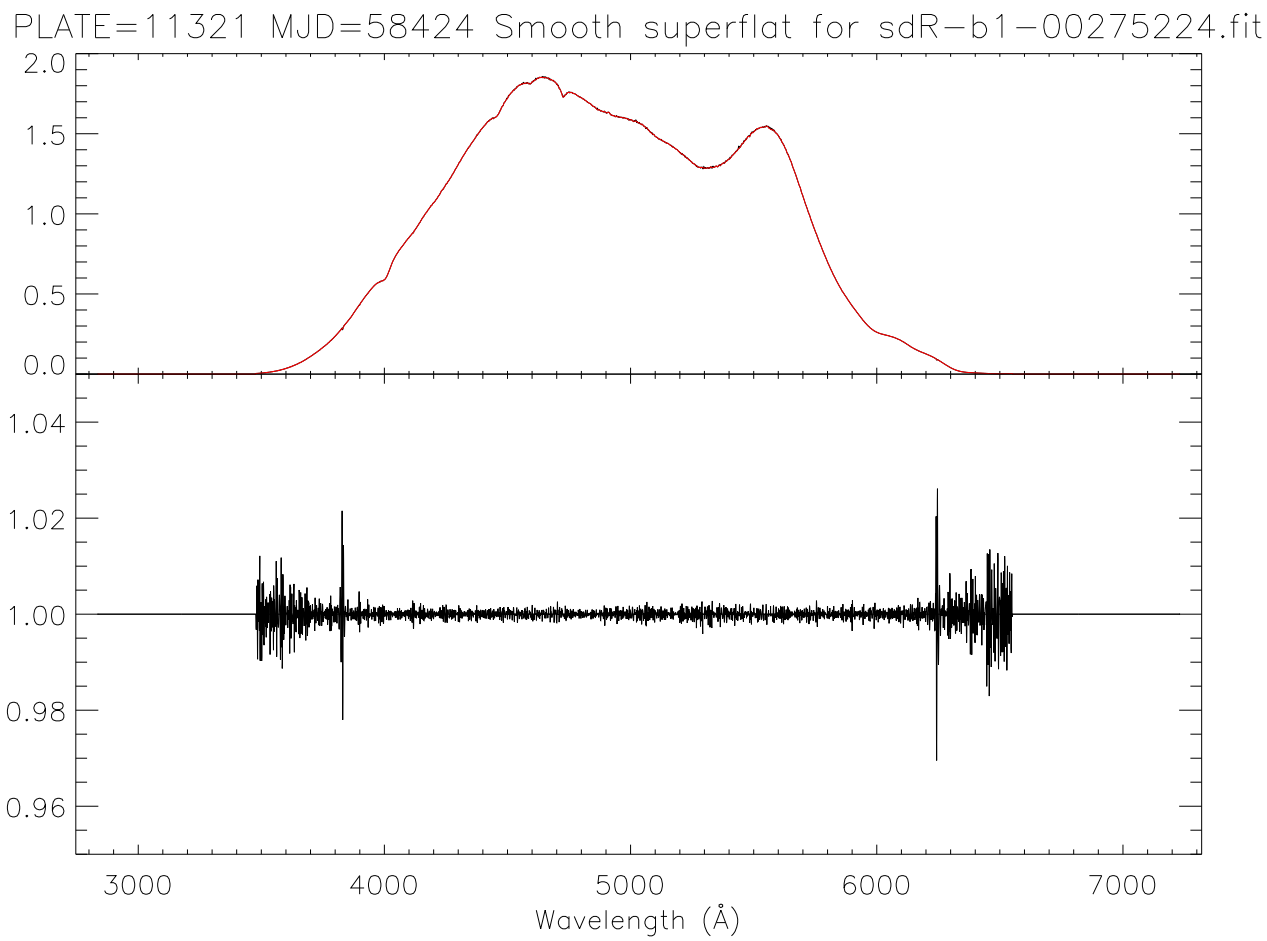

PLATE=11321 MJD=58424 sdR-b1-00275223.fit Skyline Flux at 4359.5
Flux (4359.5)/Airmass
Fiber number
RED = sky fiber
Dispersion = 5.95 %
Flux (4359.5)/Airmass
Focal Distance [mm]
Flux (4359.5)/Airmass
Airmass

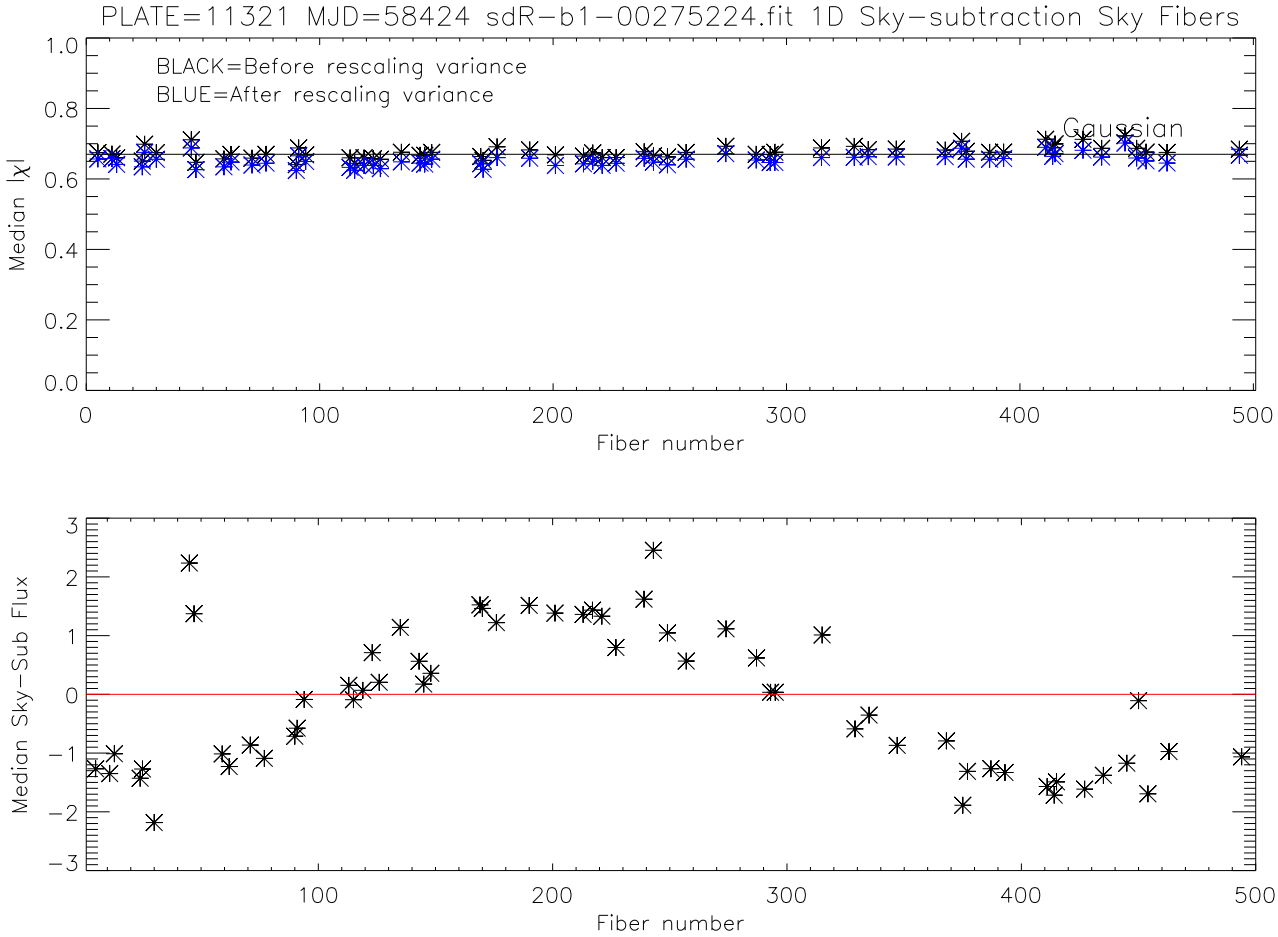

PLATE=11321 MJD=58424 sdR-b1-00275223.fit Skyline Flux at 5578.9
Flux (5578.9)/Airmass
Fiber number
Dispersion = 27.80 %
Focal Distance [mm]
Airmass

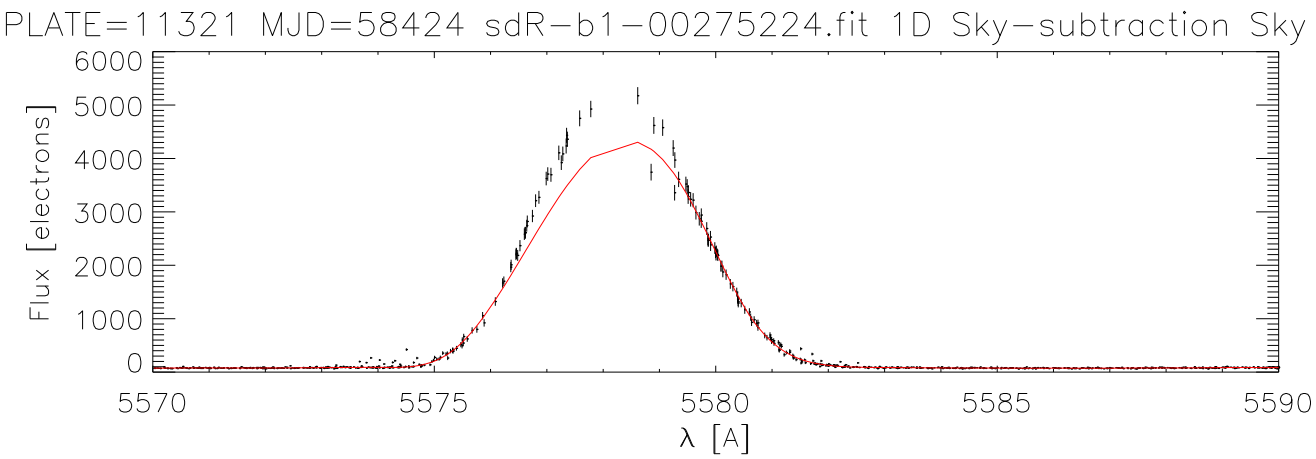

PLATE=11321 MJD=58424 Fiber−Flats for sdR−b1−00275219.fit
BLACK = Median value
ENVELOPE = 95% of points
GREEN = Outlier points
Min value = −7.574
Max value = 18.585
Fiber−Flat
1.5
1.0
0.5
0.0
3000
4000
5000
6000
7000
λ [A]
Mon May 11 16:43:13 2020

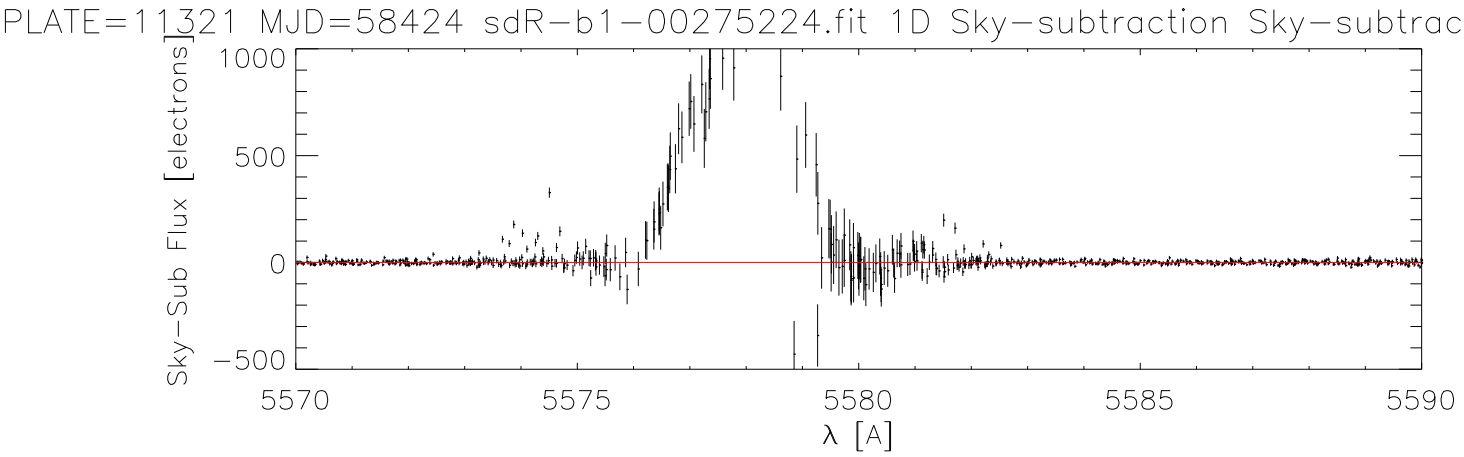

PLATE=11321 MJD=58424 Extraction chi^2 for sdR−b1−00275224.fit
BLACK = Final chisq extraction
1.0
0.8
0.6
0.4
0.2
0.0
χ^2
0
1000
2000
3000
4000
Row number


PLATE=11321 MJD=58424 Sky Line Deviations for sdR-b1-00275224.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

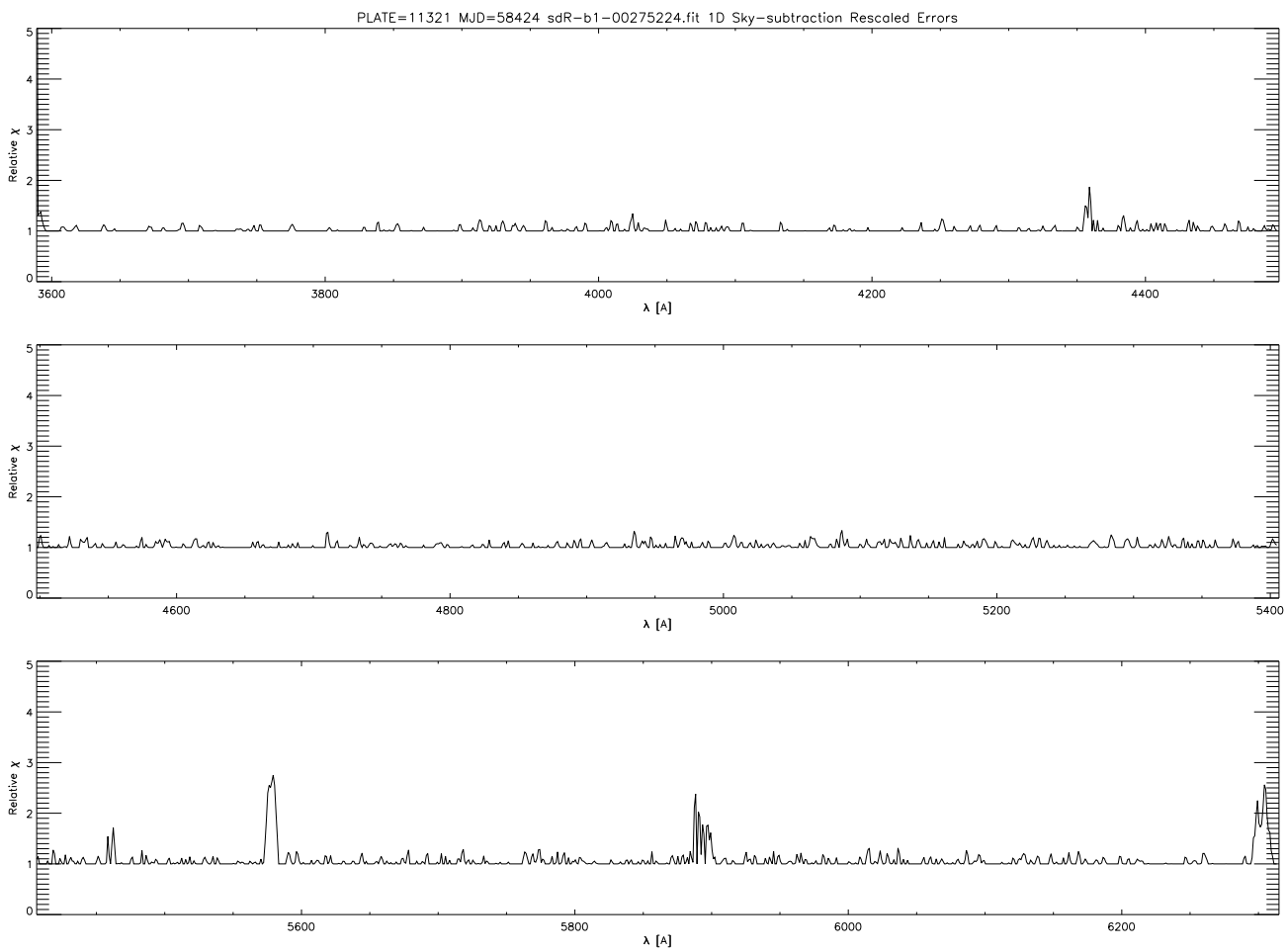

PLATE=11321 MJD=58424 Smooth superflat for sdR-b1-00275224.fit
2.0
1.5
1.0
0.5
0.0
1.04
1.02
1.00
0.98
0.96
3000
4000
5000
6000
7000
Wavelength (Å)

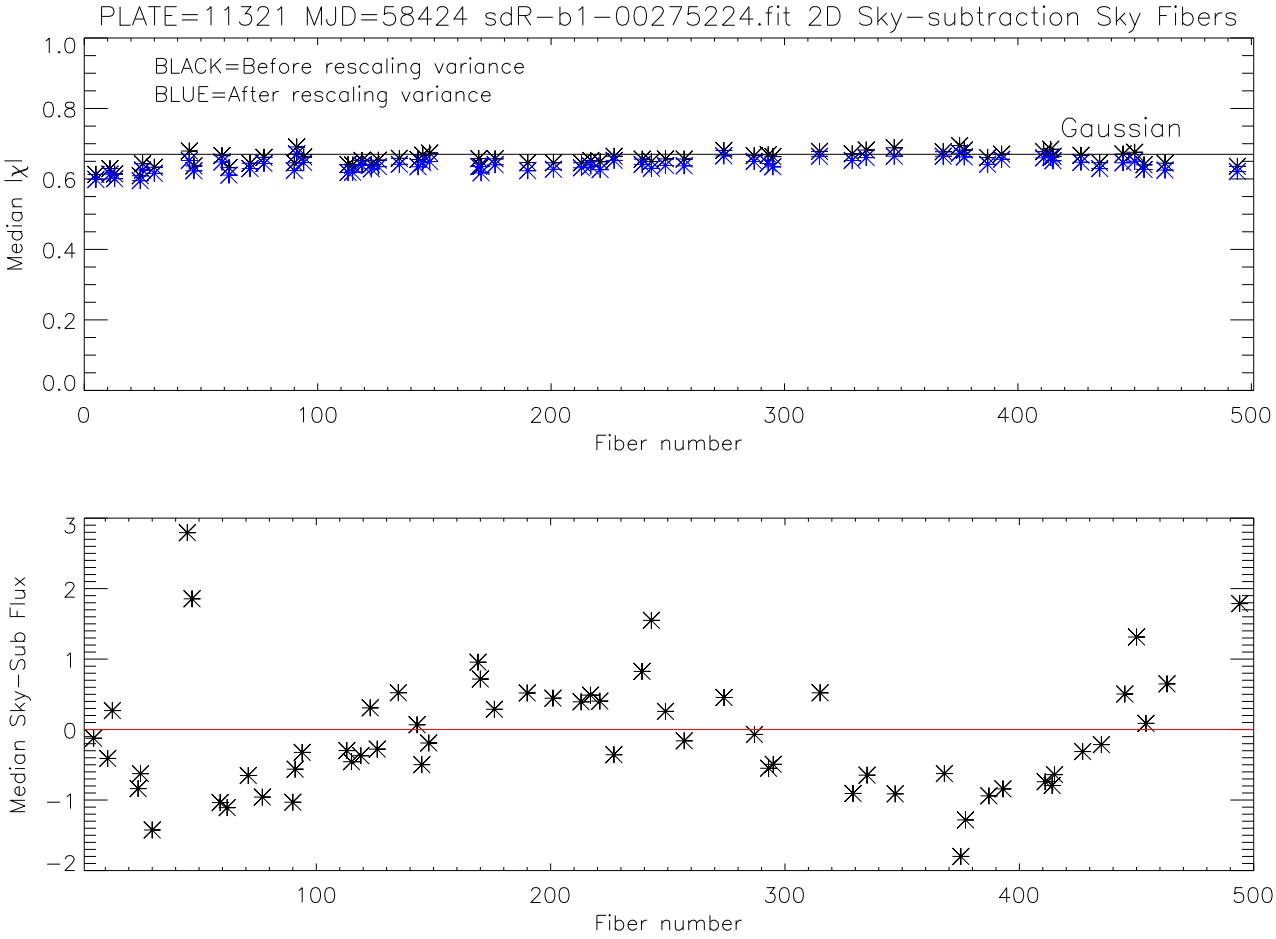

PLATE=11321 MJD=58424 sdR-b1-00275224.fit 1D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

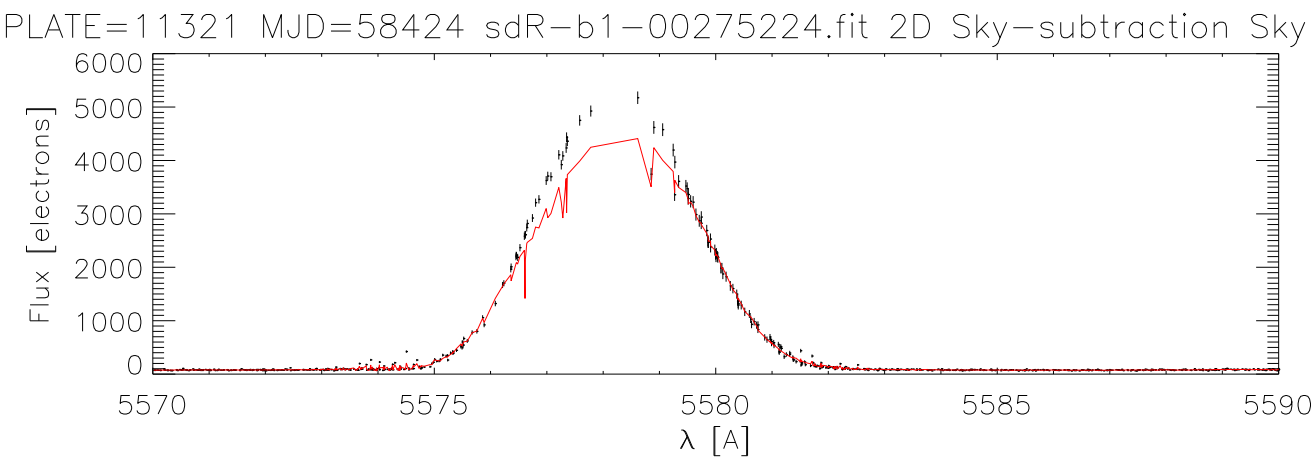

PLATE=11321 MJD=58424 sdR-b1-00275224.fit 1D Sky-subtraction Sky Fibers
Flux [electrons]
6000
5000
4000
3000
2000
1000
0
5570
5575
5580
5585
5590
λ [A]

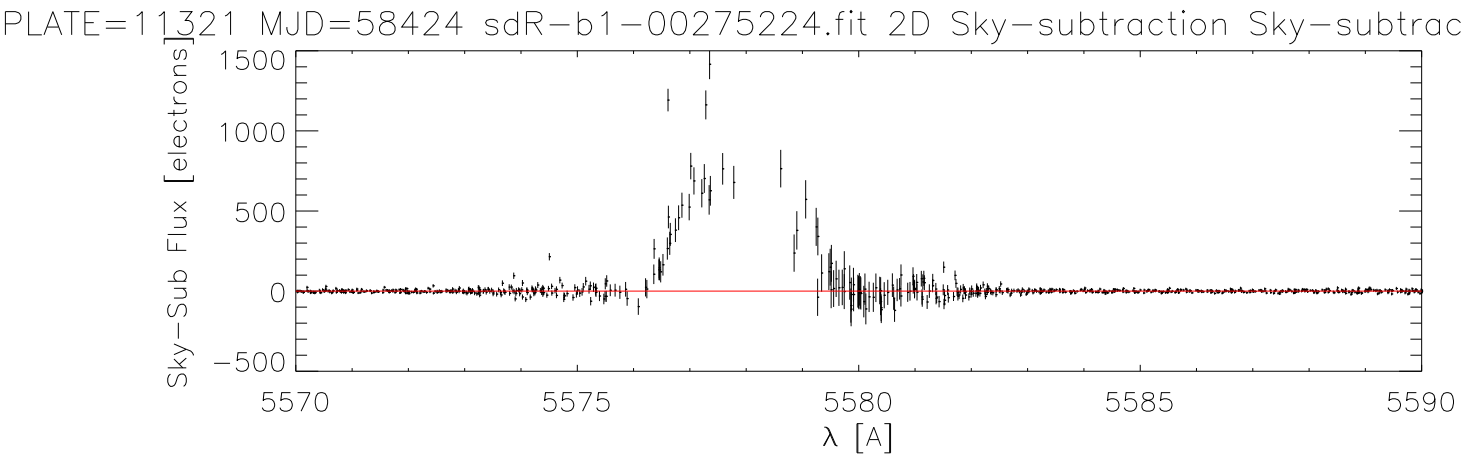

PLATE=11321 MJD=58424 sdR-b1-00275224.fit 1D Sky-subtraction Sky-subtracted Sky
Sky-Sub Flux [electrons]
1000
500
0
-500
5570
5575
5580
5585
5590
λ [A]

Number of sky fibers = 60

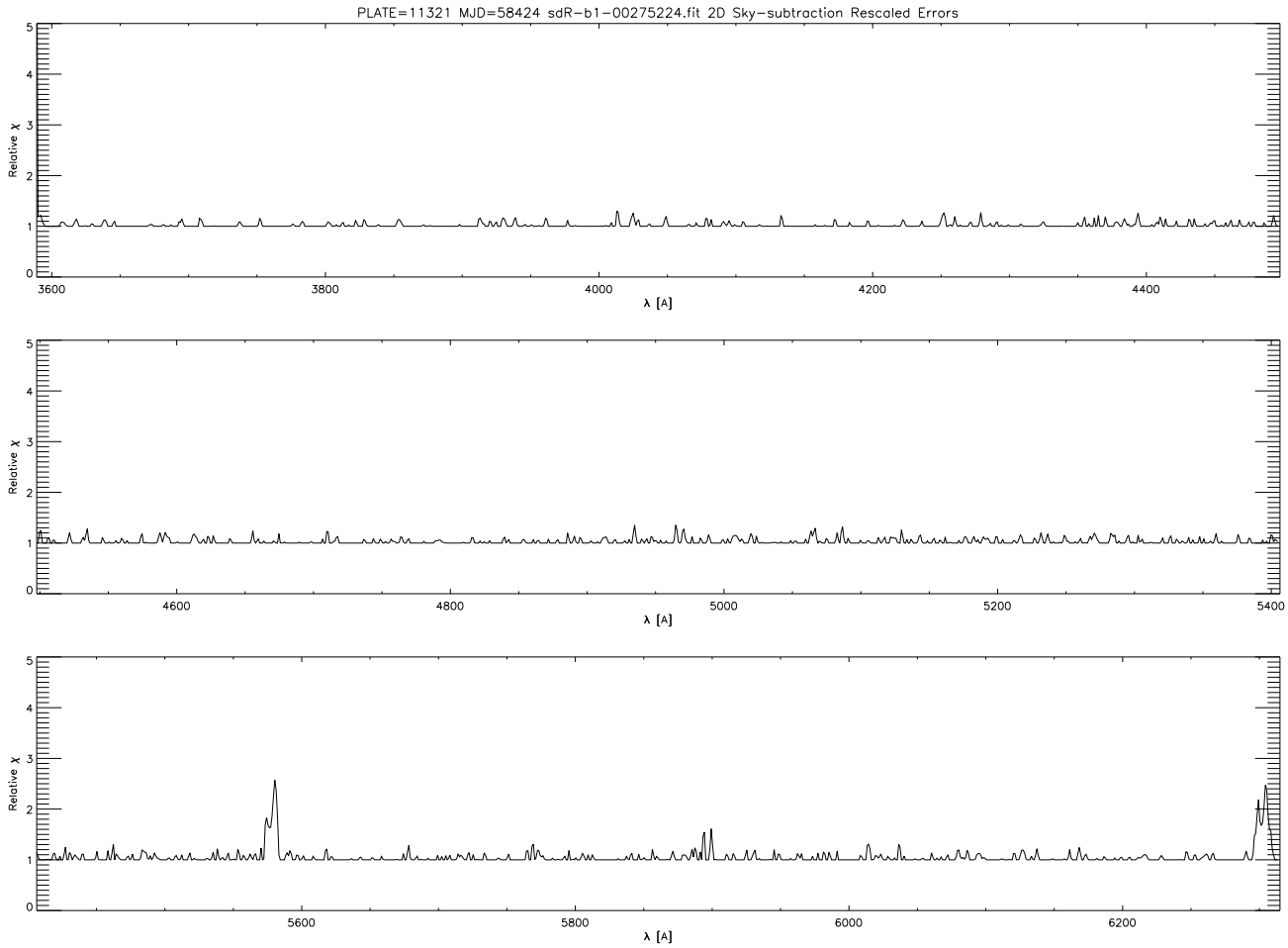


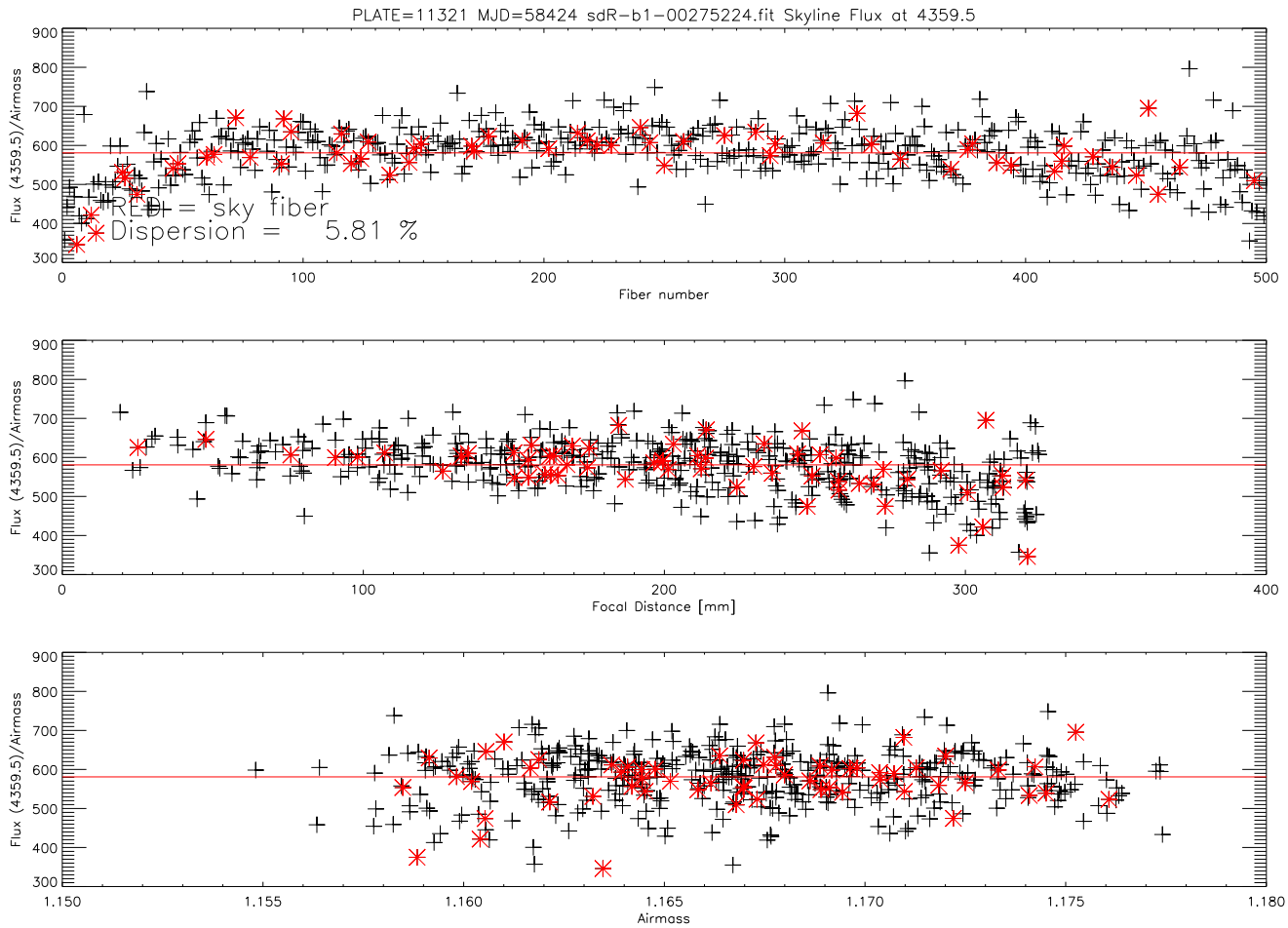

PLATE=11321 MJD=58424 sdR-b1-00275224.fit 2D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

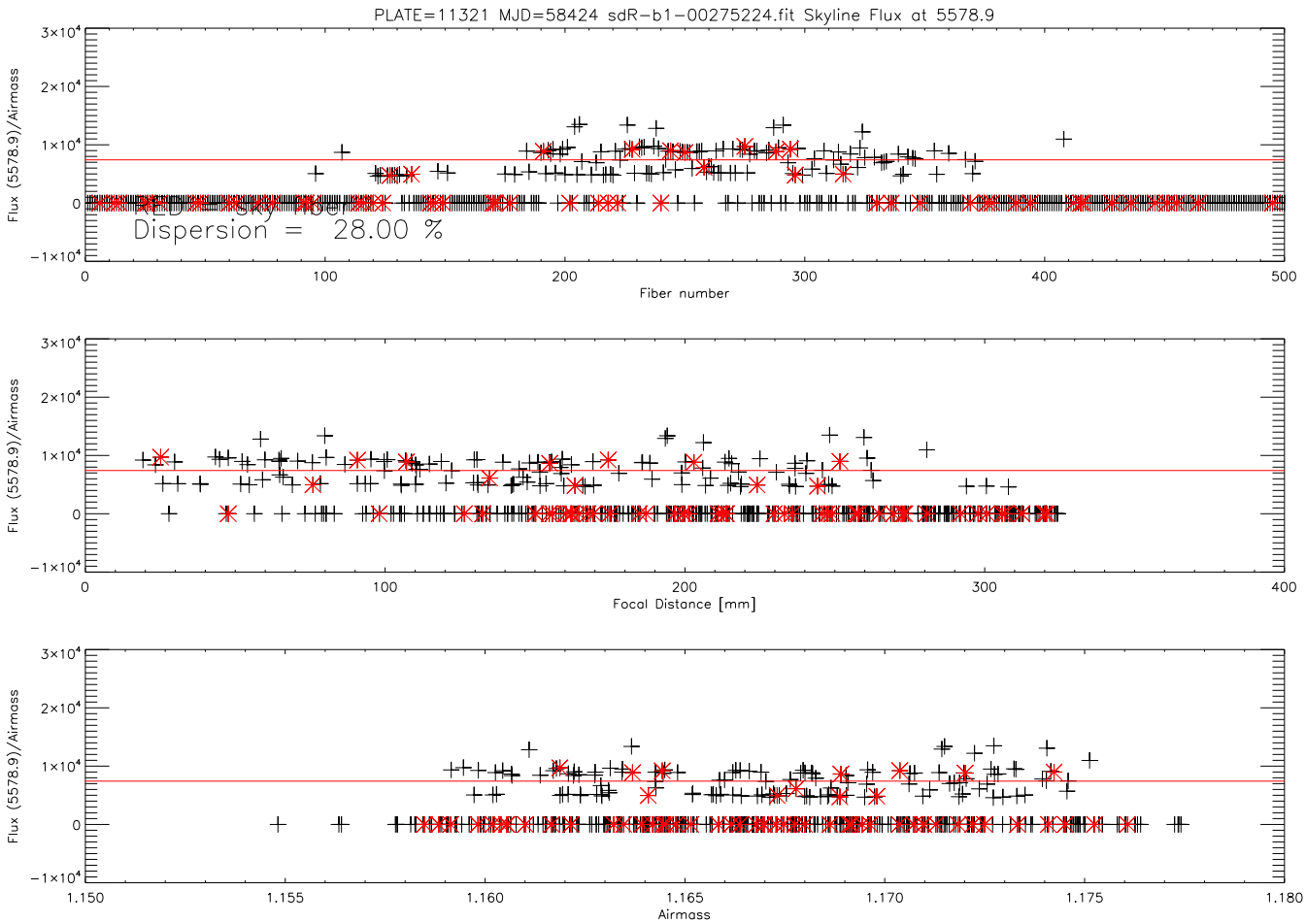

PLATE=11321 MJD=58424 sdR-b1-00275224.fit 2D Sky-subtraction Sky Fibers
Flux [electrons]
6000
5000
4000
3000
2000
1000
0
5570
5575
5580
5585
5590
λ [A]

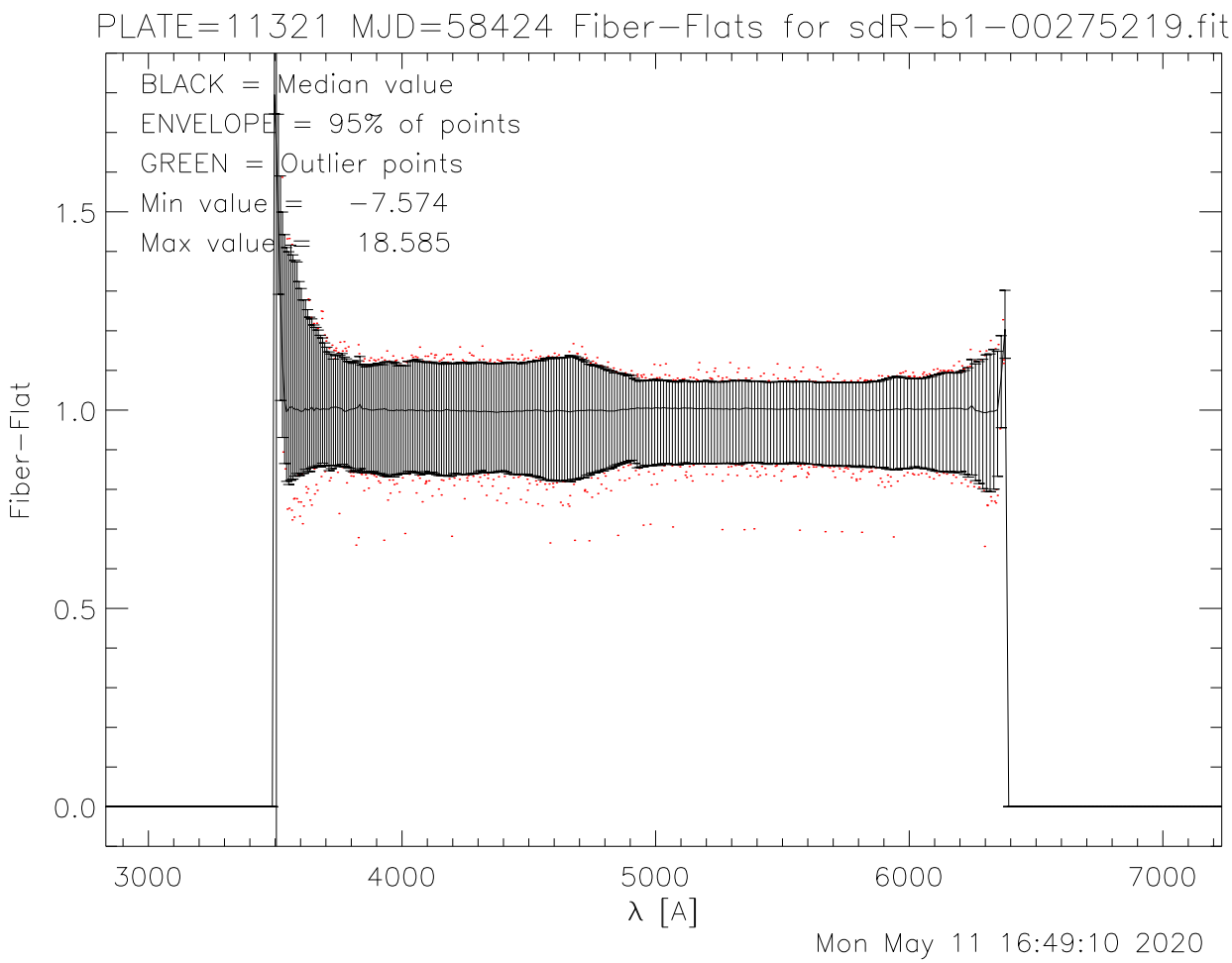

PLATE=11321 MJD=58424 sdR-b1-00275224.fit 2D Sky-subtraction Sky-subtracted Sky
Sky-Sub Flux [electrons]
1500
1000
500
0
-500
5570
5575
5580
5585
5590
λ [A]

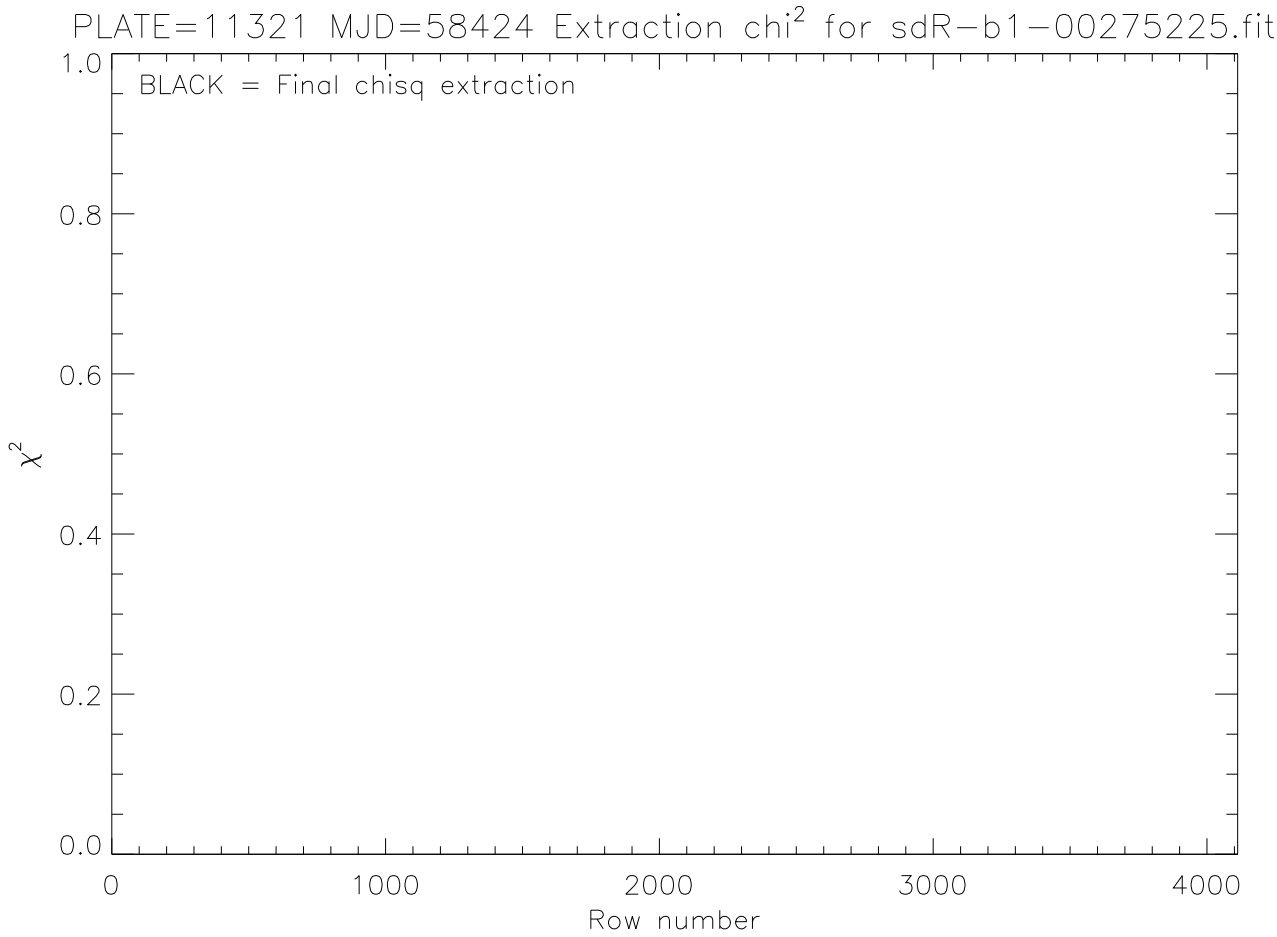
Number of sky fibers = 60

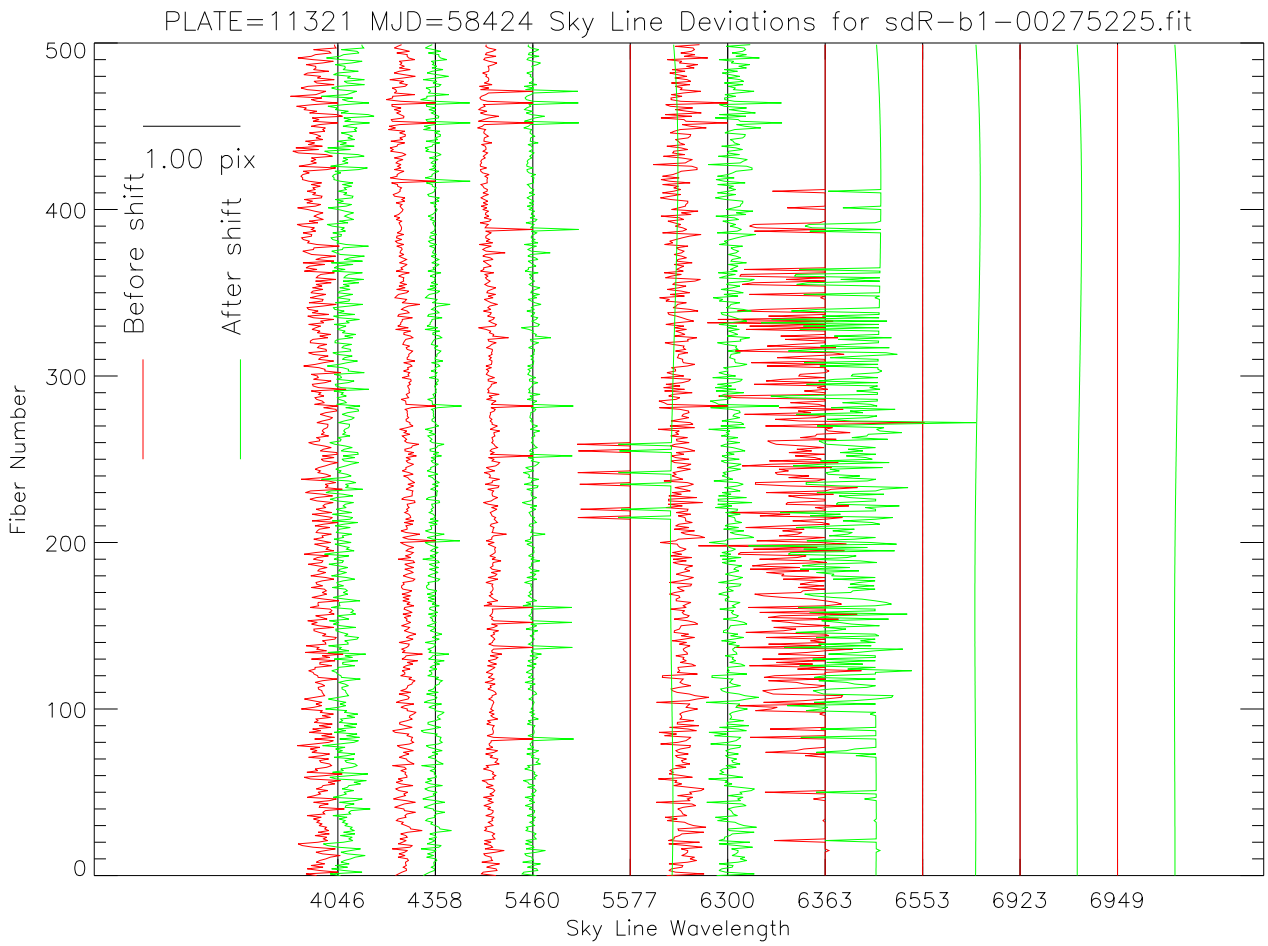


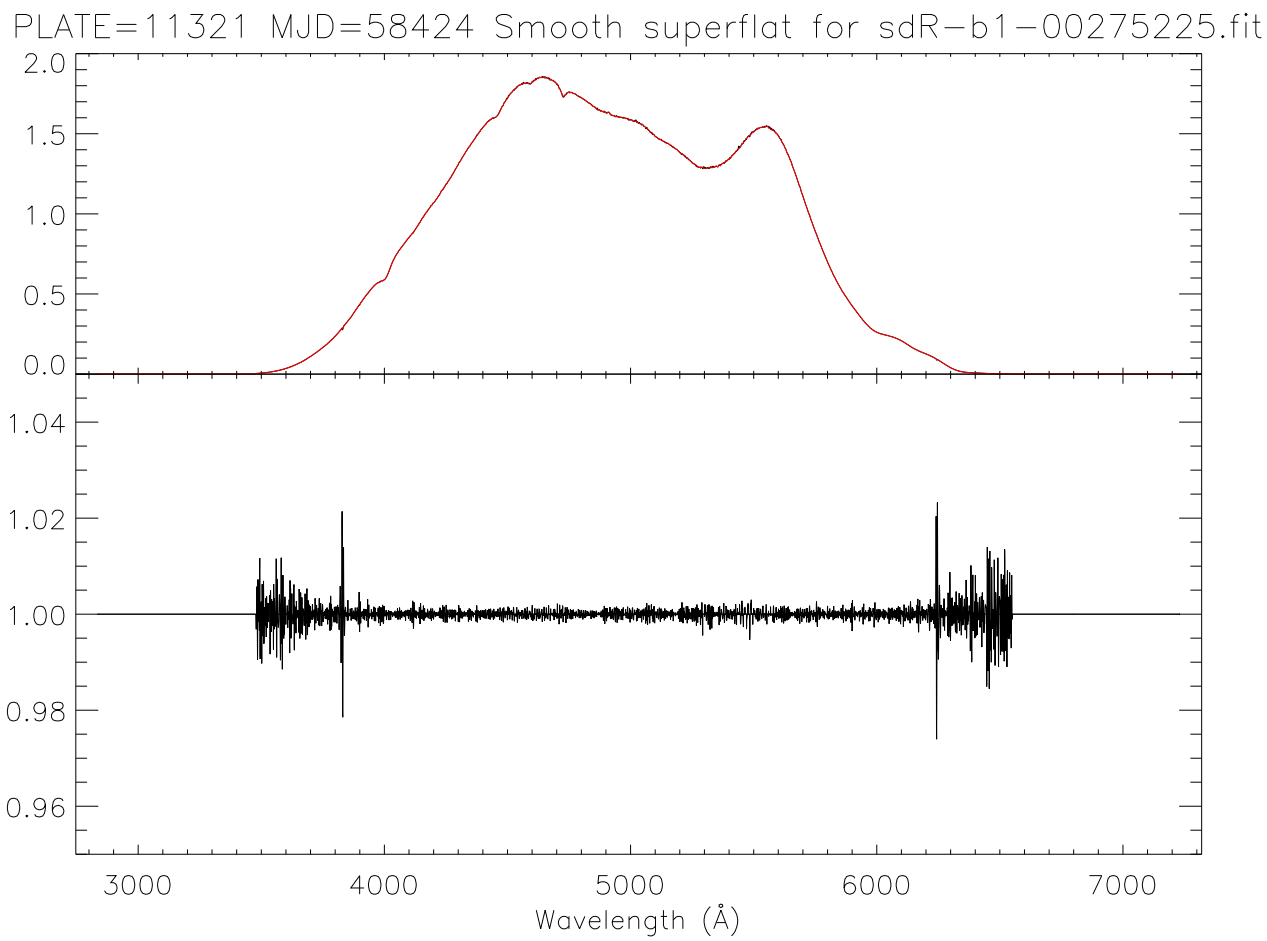

PLATE=11321 MJD=58424 sdR-b1-00275224.fit Skyline Flux at 4359.5
Flux (4359.5)/Airmass
Fiber number
Focal Distance [mm]
Airmass
REJ = sky fiber
Dispersion = 5.81 %

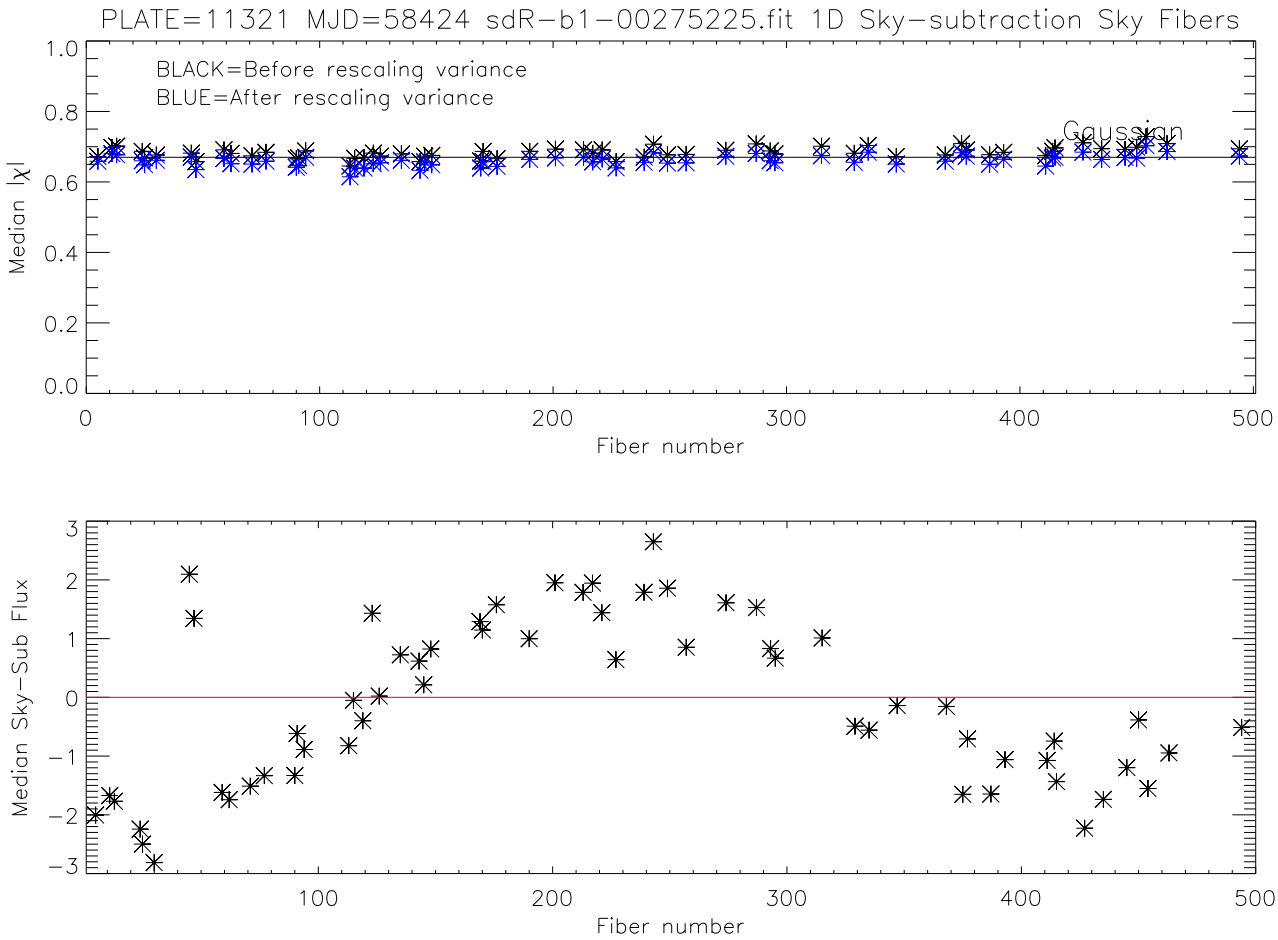

PLATE=11321 MJD=58424 sdR-b1-00275224.fit Skyline Flux at 5578.9
Flux (5578.9)/Airmass
Fiber number
Dispersion = 28.00 %
Focal Distance [mm]
Airmass

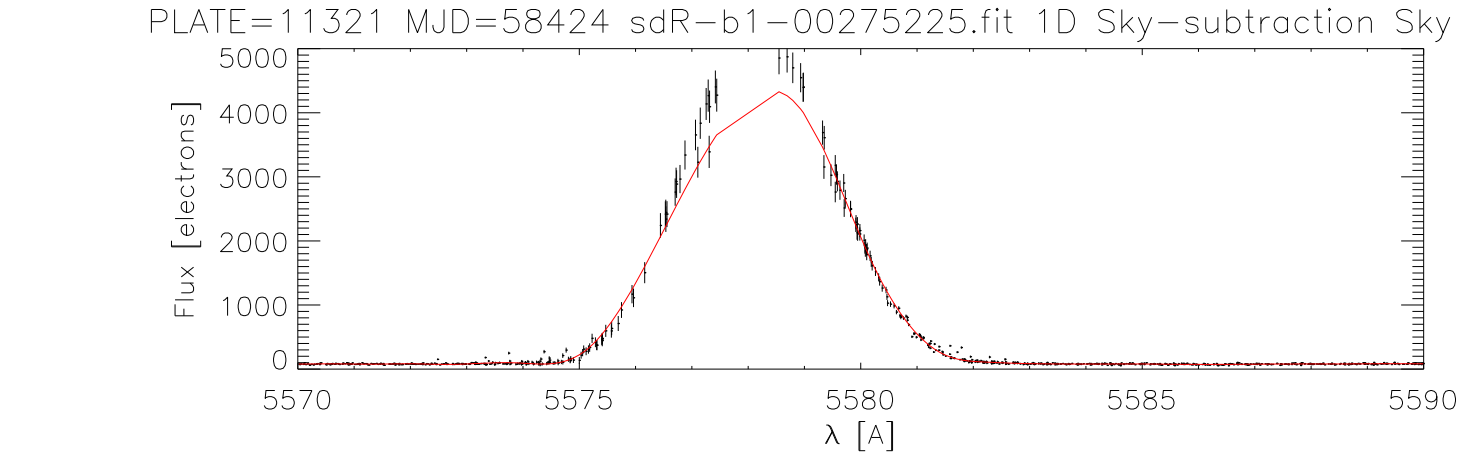

PLATE=11321 MJD=58424 Fiber−Flats for sdR−b1−00275219.fit
BLACK = Median value
ENVELOPE = 95% of points
GREEN = Outlier points
Min value = −7.574
Max value = 18.585
Fiber−Flat
1.5
1.0
0.5
0.0
3000
4000
5000
6000
7000
λ [A]
Mon May 11 16:49:10 2020

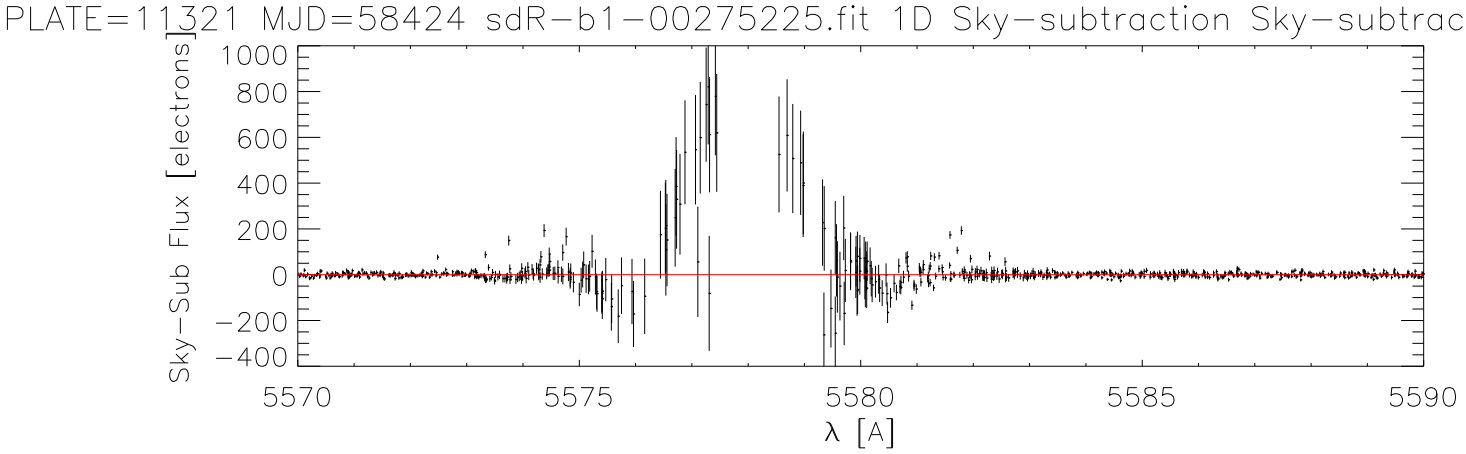

PLATE=11321 MJD=58424 Extraction chi^2 for sdR−b1−00275225.fit
BLACK = Final chisq extraction
χ^2
1.0
0.8
0.6
0.4
0.2
0.0
0
1000
2000
3000
4000
Row number


PLATE=11321 MJD=58424 Sky Line Deviations for sdR-b1-00275225.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

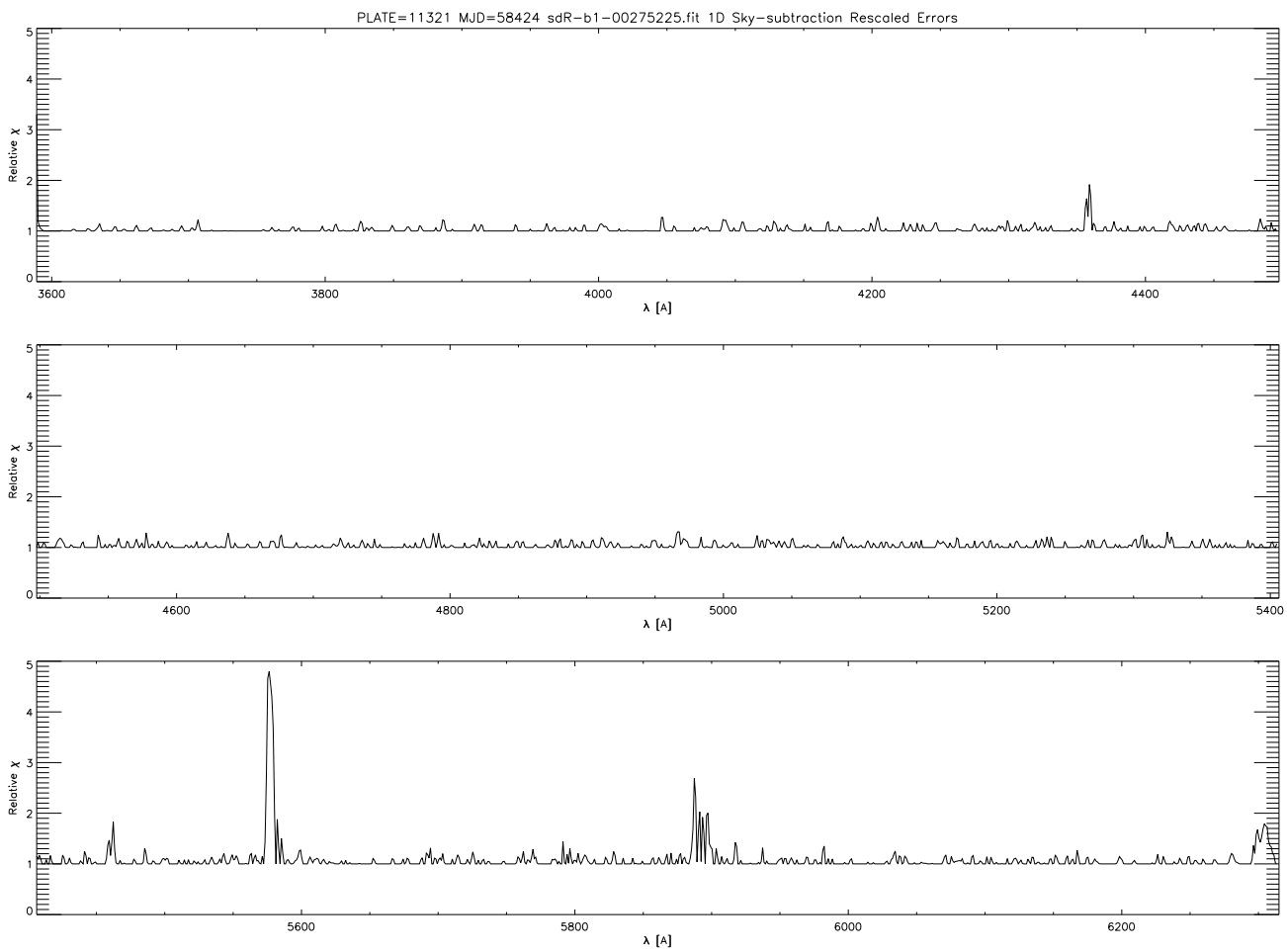

PLATE=11321 MJD=58424 Smooth superflat for sdR-b1-00275225.fit
2.0
1.5
1.0
0.5
0.0
1.04
1.02
1.00
0.98
0.96
3000
4000
5000
6000
7000
Wavelength (Å)

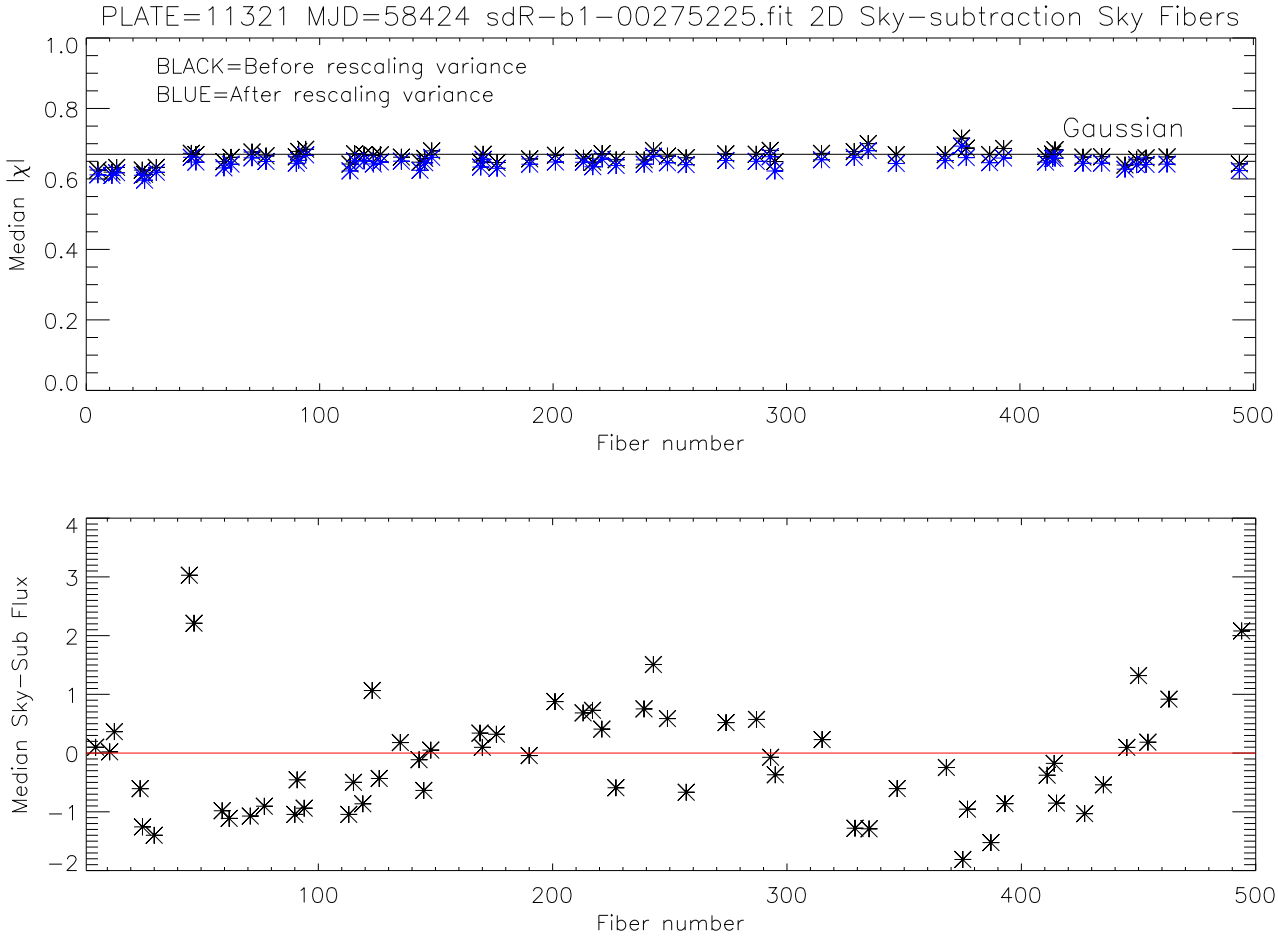

PLATE=11321 MJD=58424 sdR-b1-00275225.fit 1D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

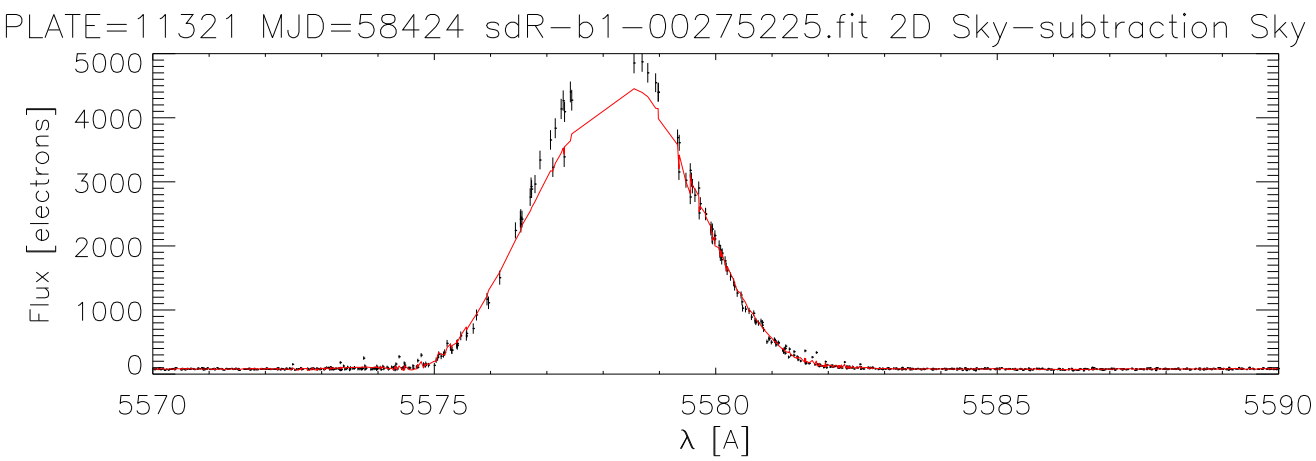

PLATE=11321 MJD=58424 sdR-b1-00275225.fit 1D Sky-subtraction Sky Fibers
Flux [electrons]
5000
4000
3000
2000
1000
0
5570
5575
5580
5585
5590
λ [A]

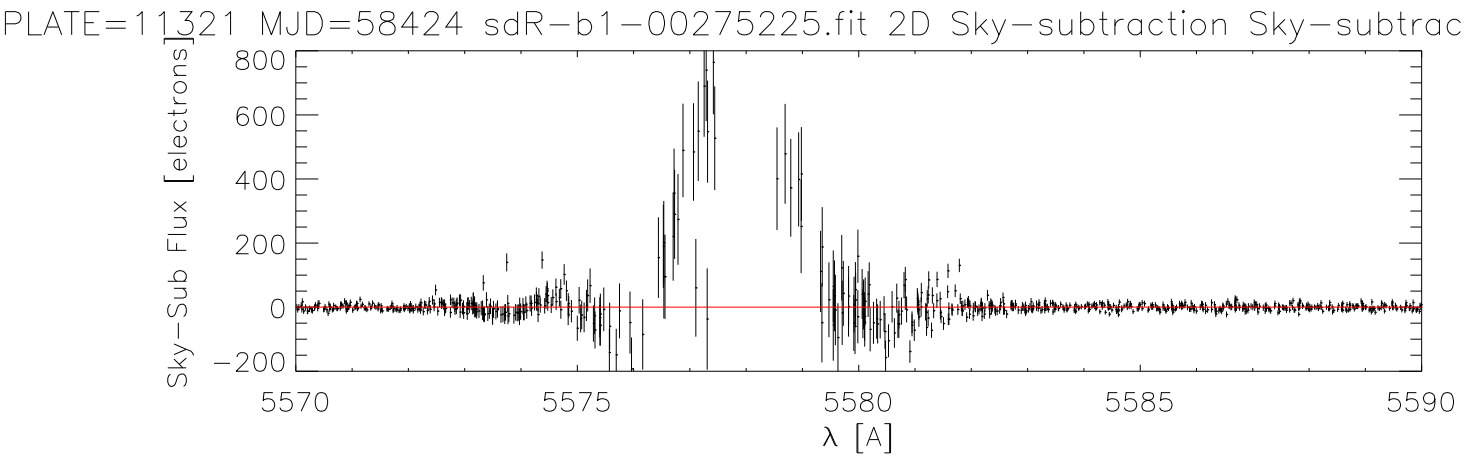

PLATE=11321 MJD=58424 sdR-b1-00275225.fit 1D Sky-subtraction Sky-subtracted Sky
Sky-Sub Flux [electrons]
1000
800
600
400
200
0
-200
-400
5570
5575
5580
5585
5590
λ [A]

Number of sky fibers = 60

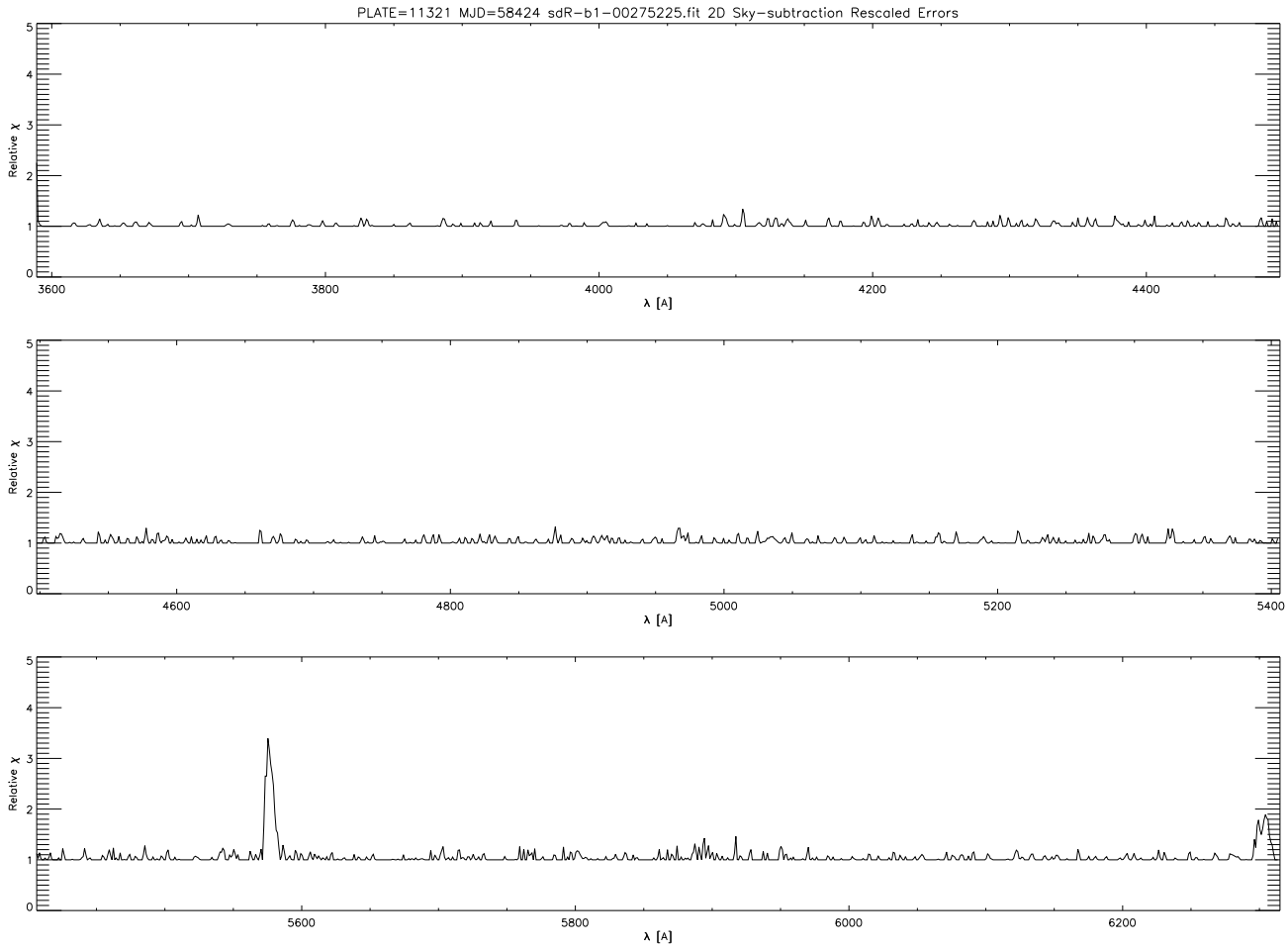


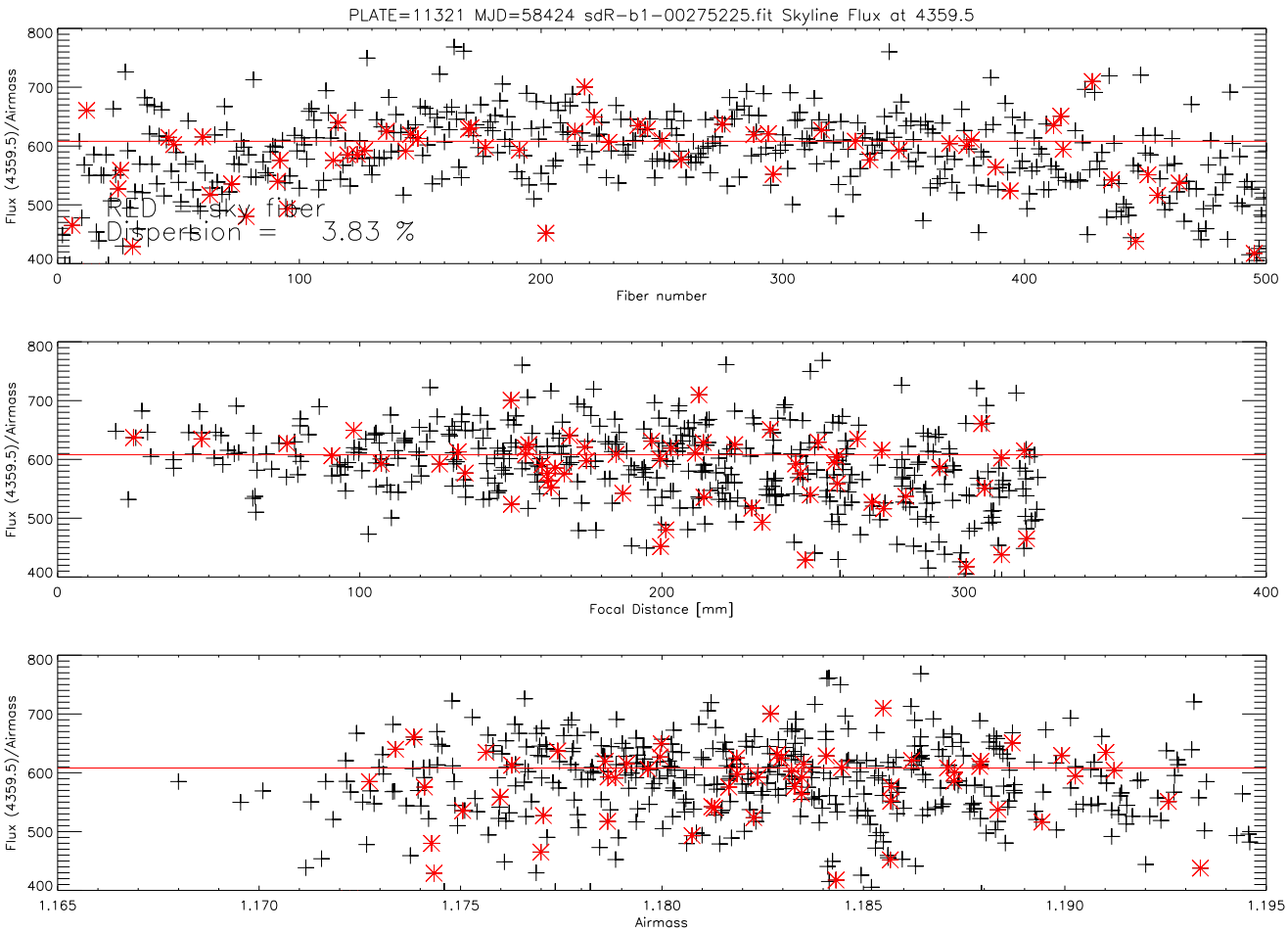

PLATE=11321 MJD=58424 sdR-b1-00275225.fit 2D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

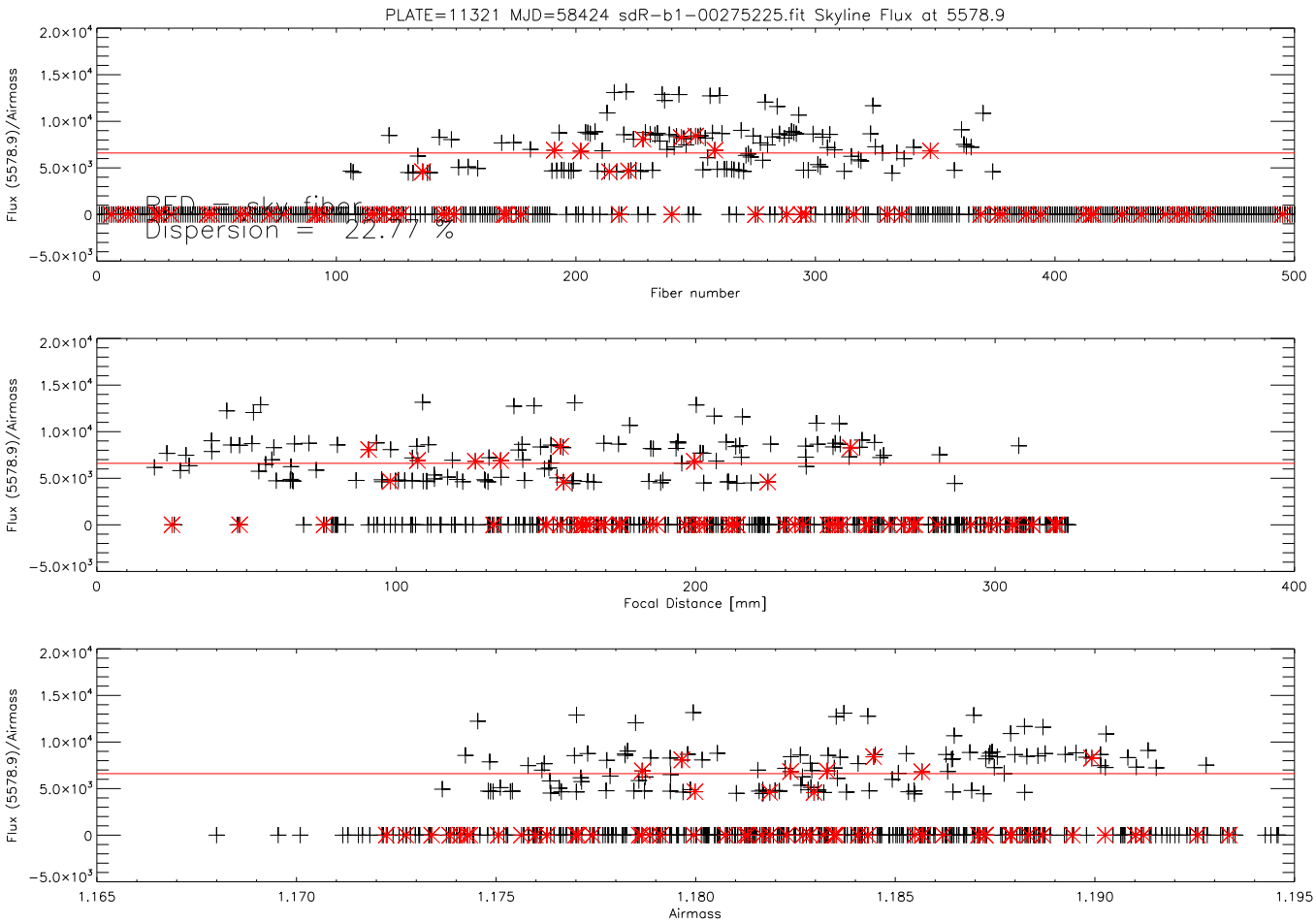

PLATE=11321 MJD=58424 sdR-b1-00275225.fit 2D Sky-subtraction Sky Fibers
Flux [electrons]
5000
4000
3000
2000
1000
0
5570
5575
5580
5585
5590
λ [A]


PLATE=11321 MJD=58424 sdR-b1-00275225.fit 2D Sky-subtraction Sky-subtracted Sky
Sky-Sub Flux [electrons]
800
600
400
200
0
-200
5570
5575
5580
5585
5590
λ [A]

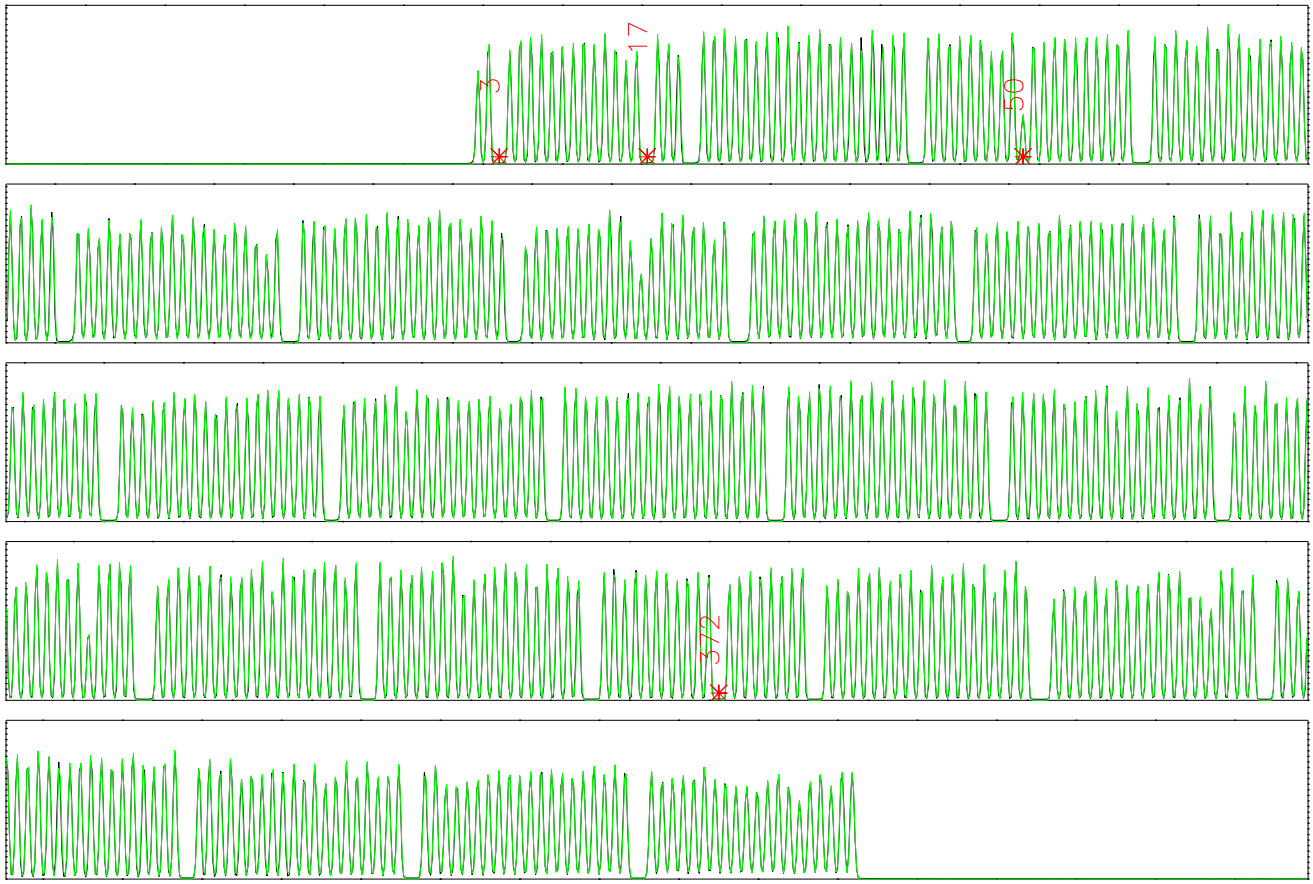
Number of sky fibers = 60



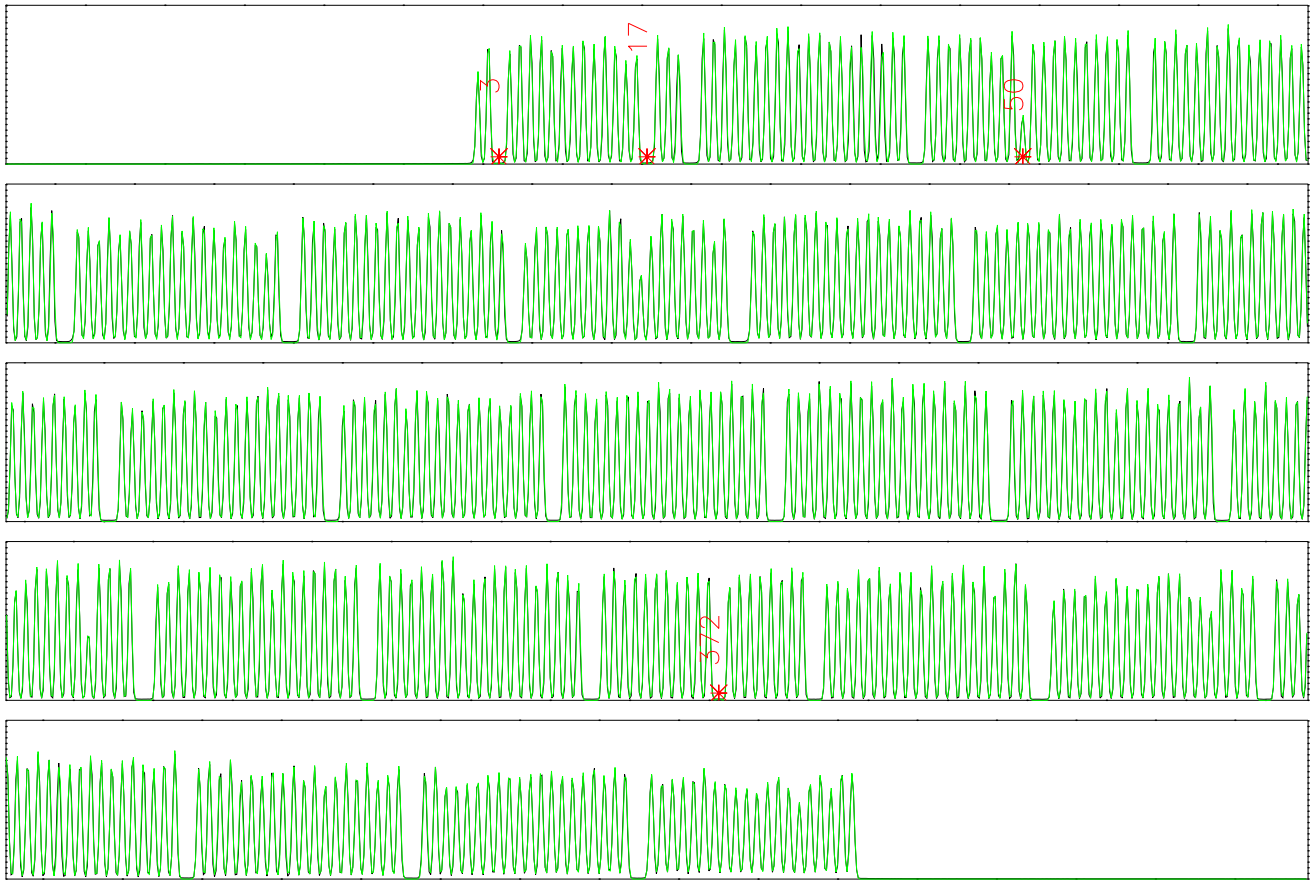

PLATE=11321 MJD=58424 sdR-b1-00275225.fit Skyline Flux at 4359.5
Flux (4359.5)/Airmass
Fiber number
RED = sky fiber
Dispersion = 3.83 %
Focal Distance [mm]
Airmass

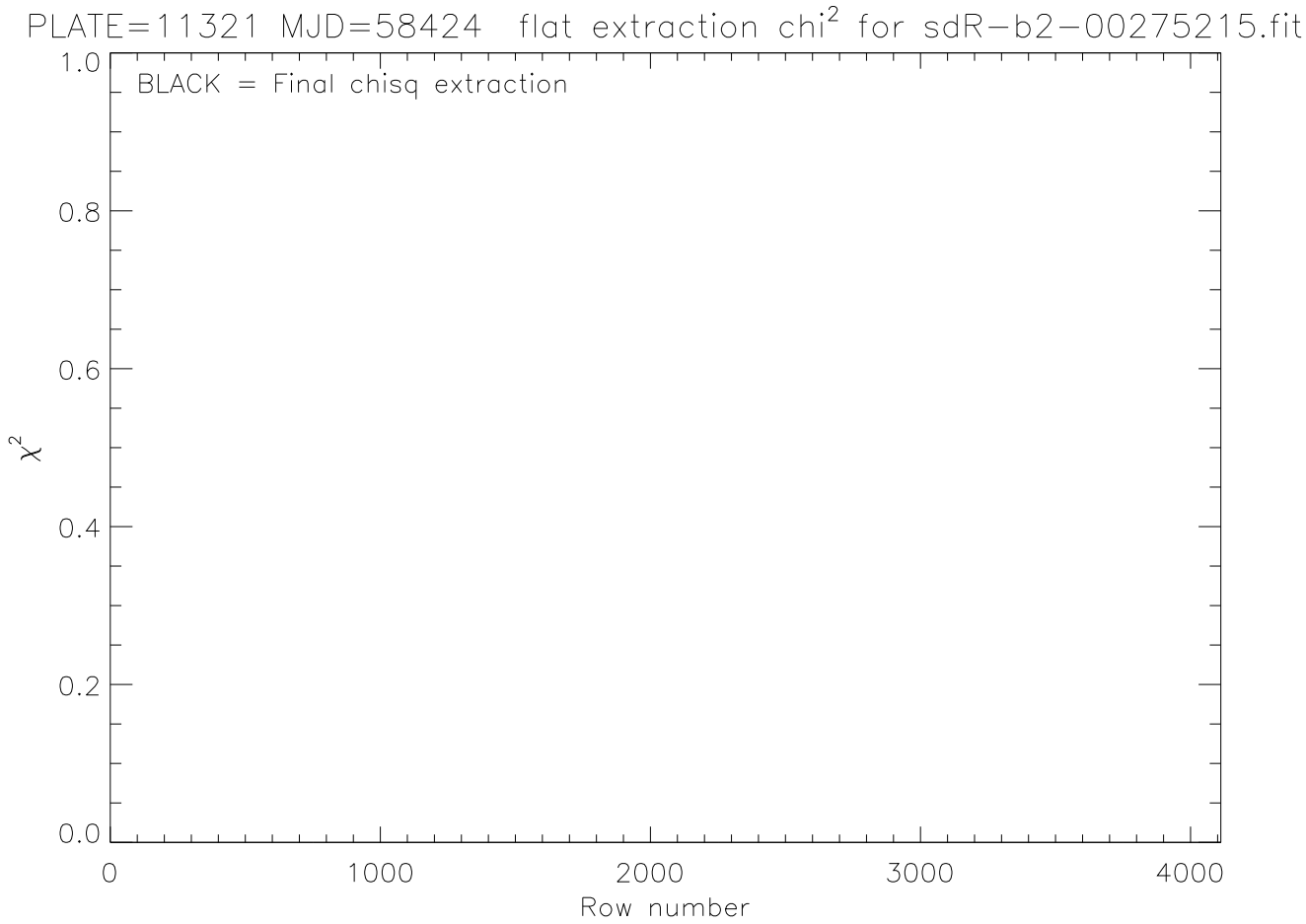

PLATE=11321 MJD=58424 sdR-b1-00275225.fit Skyline Flux at 5578.9
Flux (5578.9)/Airmass
Fiber number
RED = sky fiber
Dispersion = 22.77 %
Flux (5578.9)/Airmass
Focal Distance [mm]
Flux (5578.9)/Airmass
Airmass

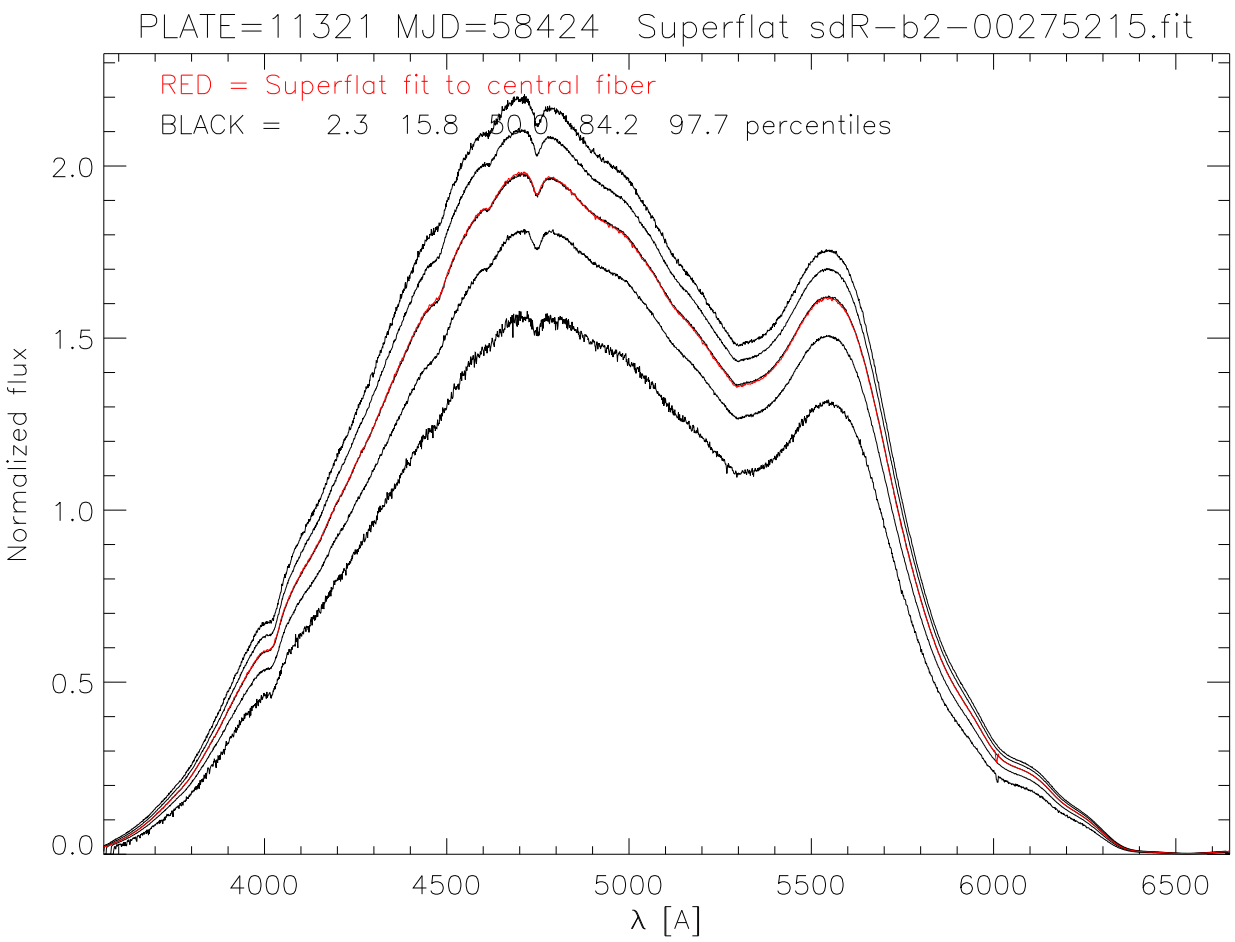
PLATE=11321 MJD=58424 Traces sdR-b2-00275215.fit

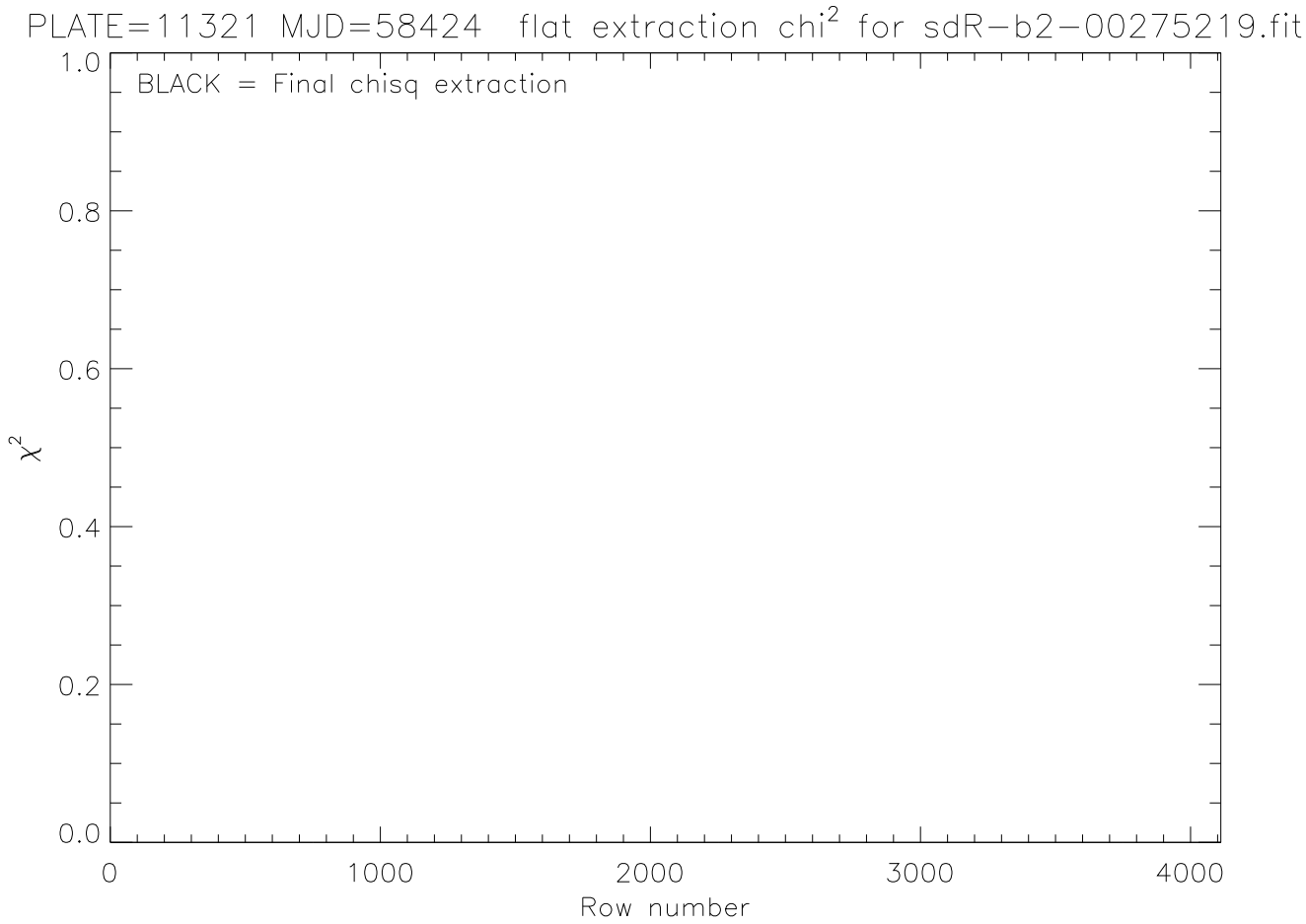


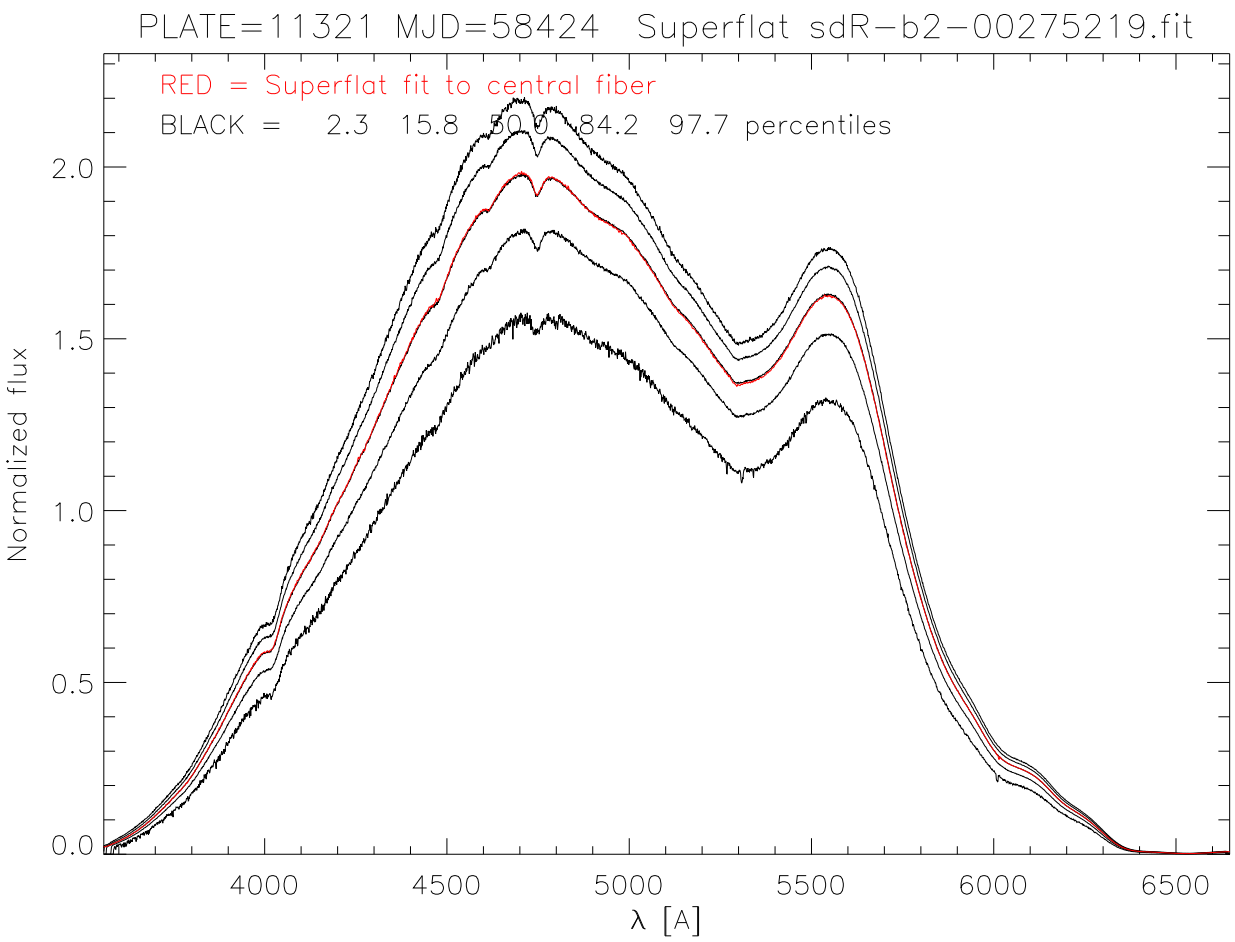
PLATE=11321 MJD=58424 Traces sdR-b2-00275219.fit

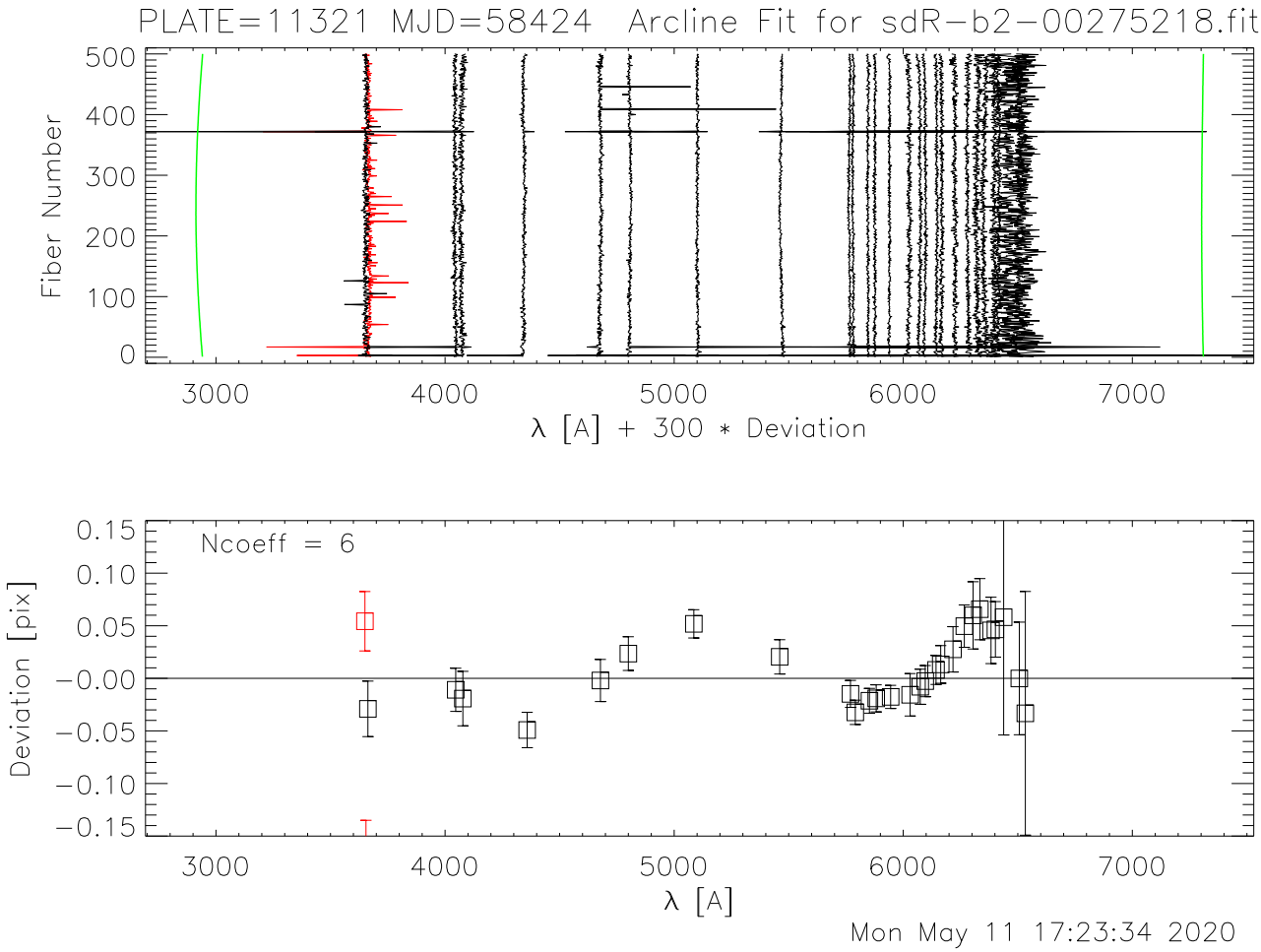


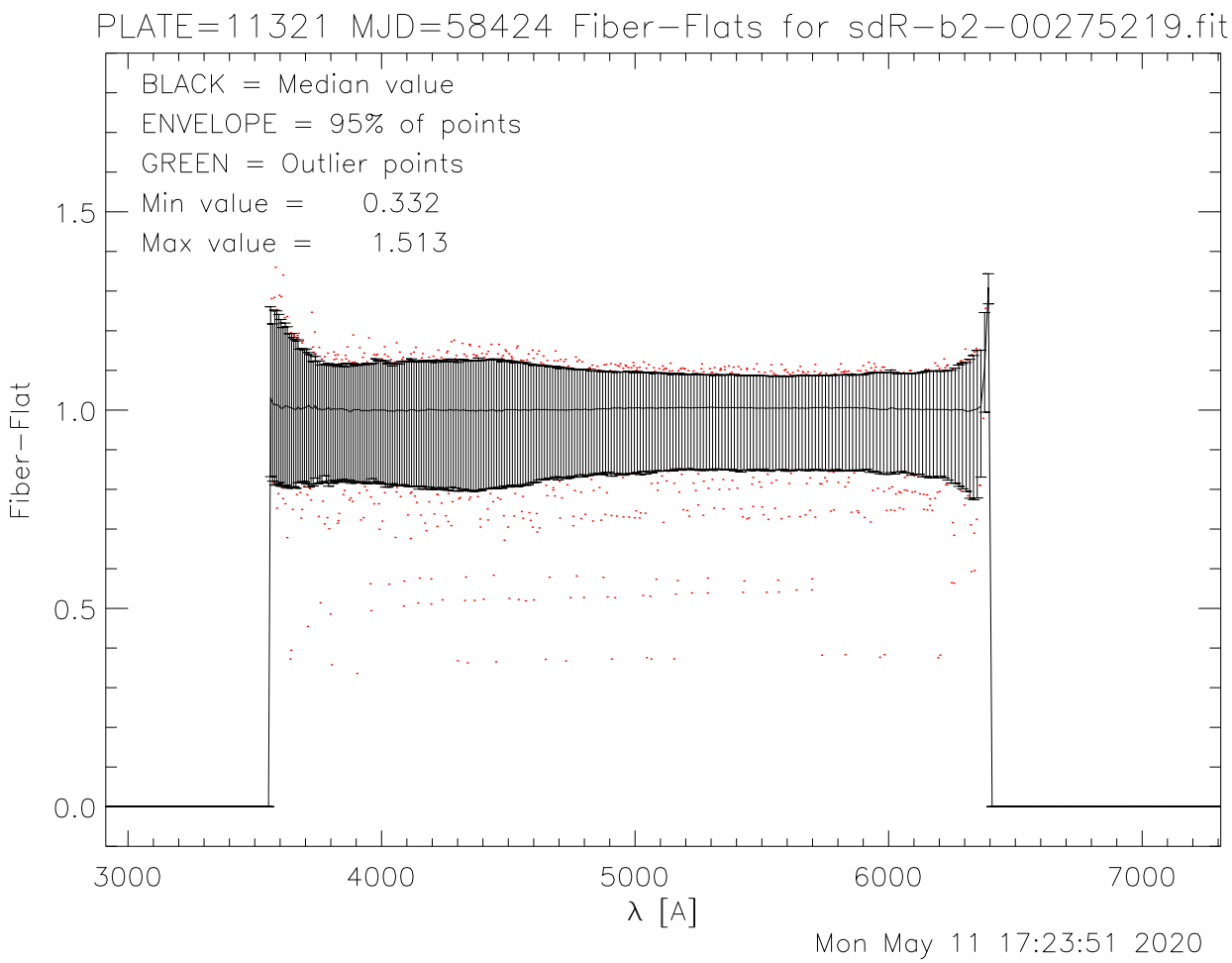

PLATE=11321 MJD=58424 flat extraction chi^2 for sdR-b2-00275215.fit
BLACK = Final chisq extraction
χ^2
1.0
0.8
0.6
0.4
0.2
0.0
0
1000
2000
3000
4000
Row number

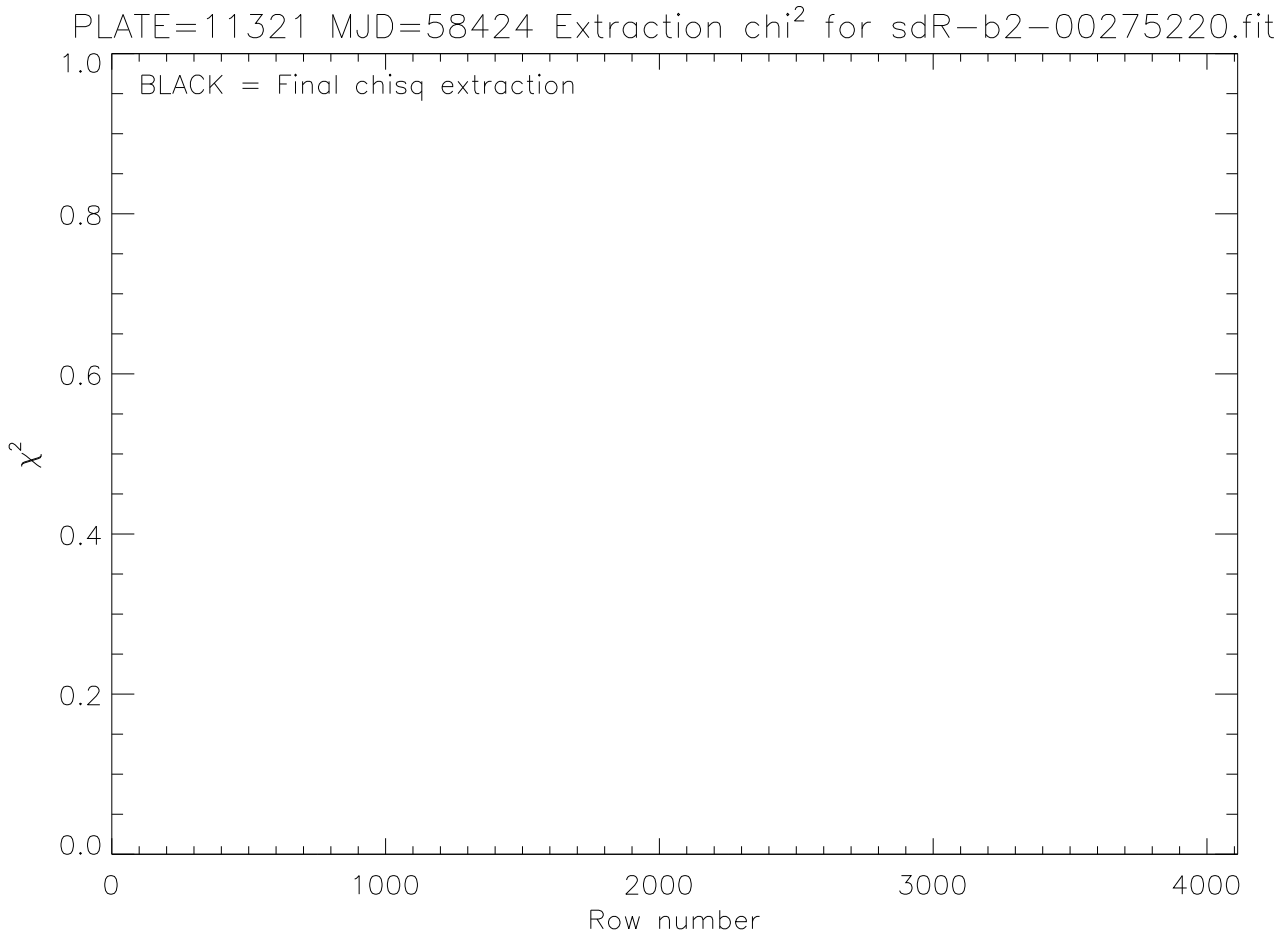

PLATE=11321 MJD=58424 Superflat sdR-b2-00275215.fit
RED = Superflat fit to central fiber
BLACK = 2.3 15.8 50.0 84.2 97.7 percentiles
Normalized flux
0.0
0.5
1.0
1.5
2.0
4000
4500
5000
5500
6000
6500
λ [A]

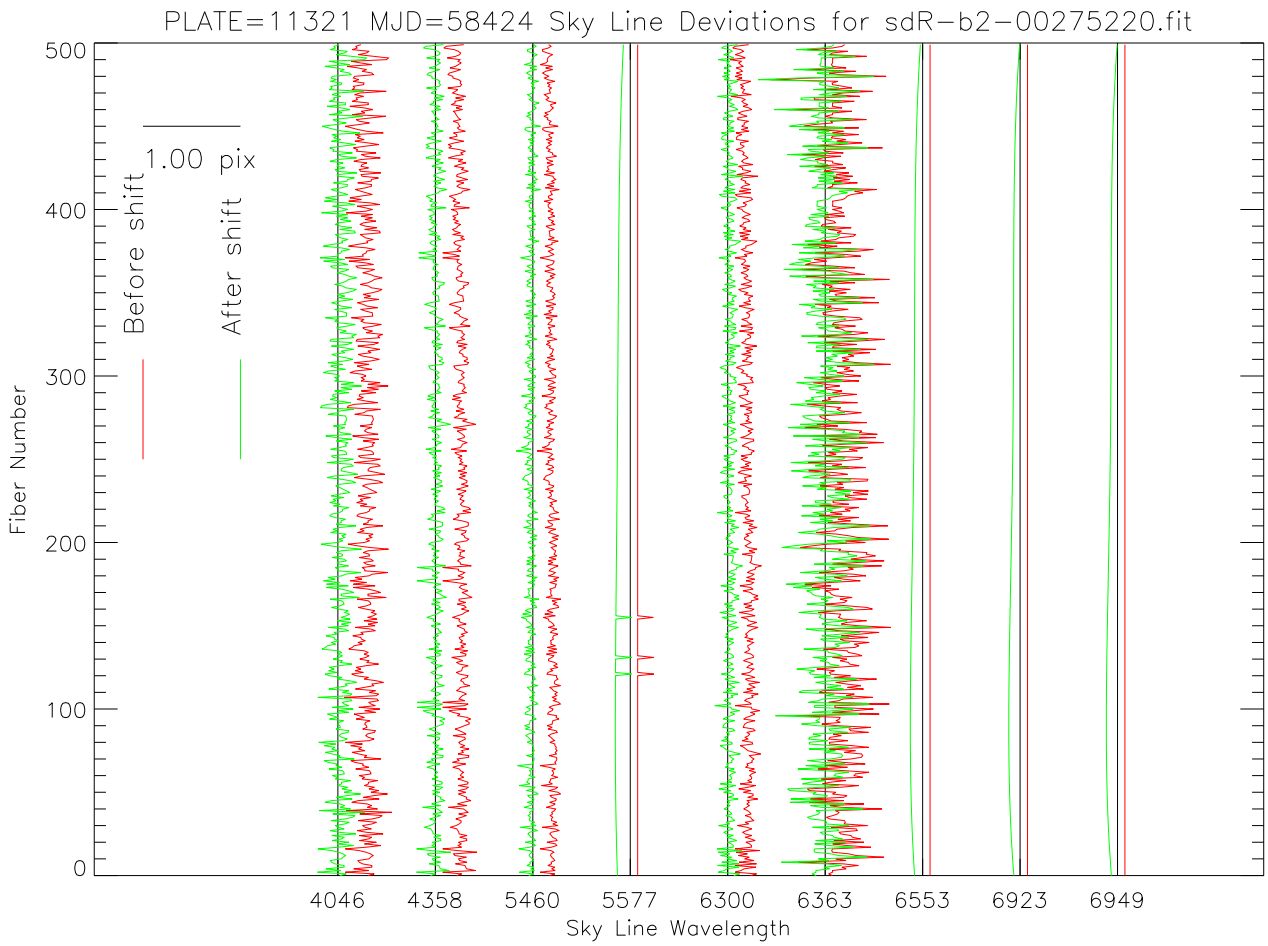

PLATE=11321 MJD=58424 flat extraction chi^2 for sdR-b2-00275219.fit
BLACK = Final chisq extraction
χ^2
1.0
0.8
0.6
0.4
0.2
0.0
0
1000
2000
3000
4000
Row number

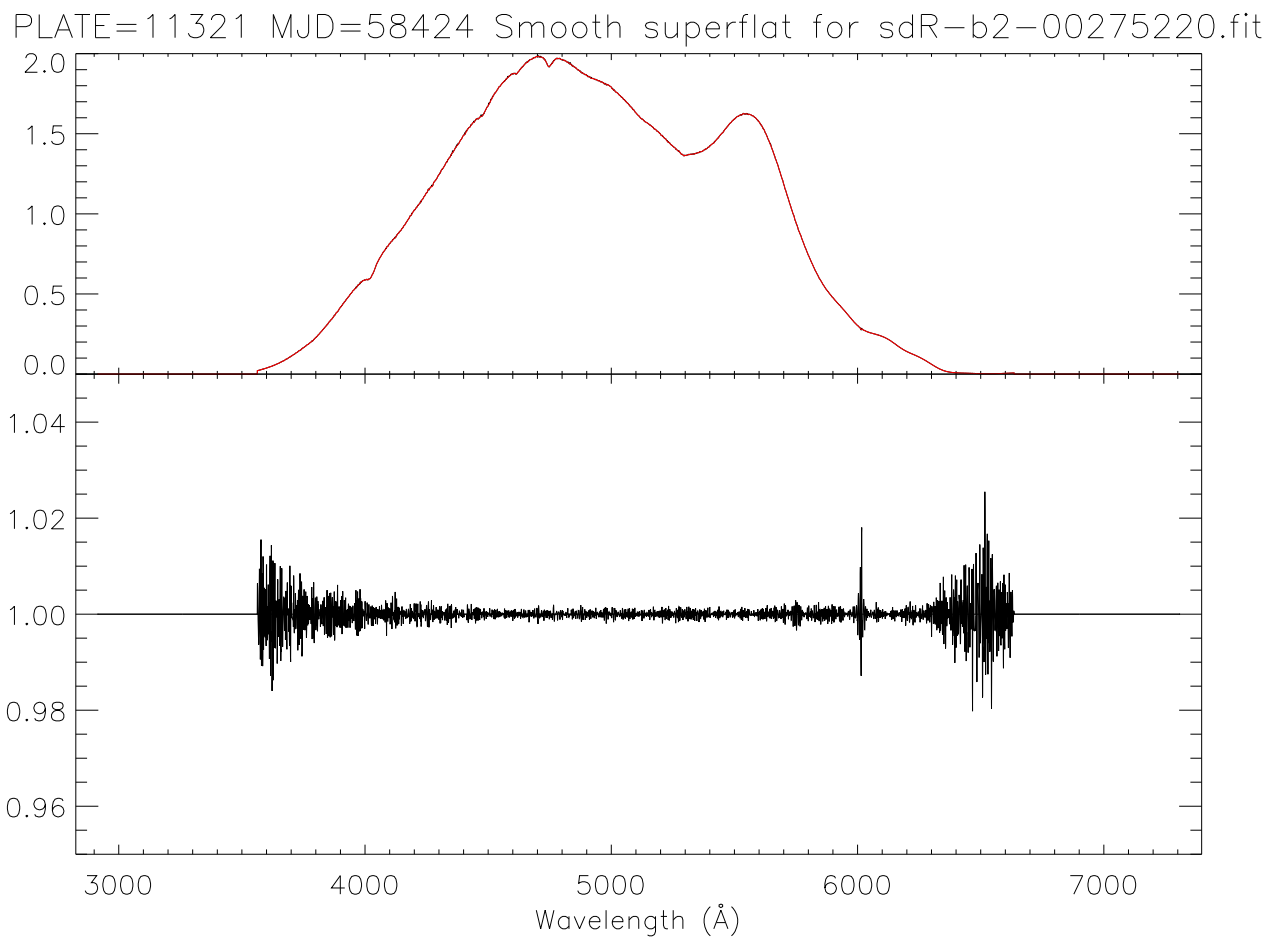

PLATE=11321 MJD=58424 Superflat sdR-b2-00275219.fit
RED = Superflat fit to central fiber
BLACK = 2.3 15.8 50.0 84.2 97.7 percentiles
Normalized flux
0.0
0.5
1.0
1.5
2.0
4000
4500
5000
5500
6000
6500
λ [A]

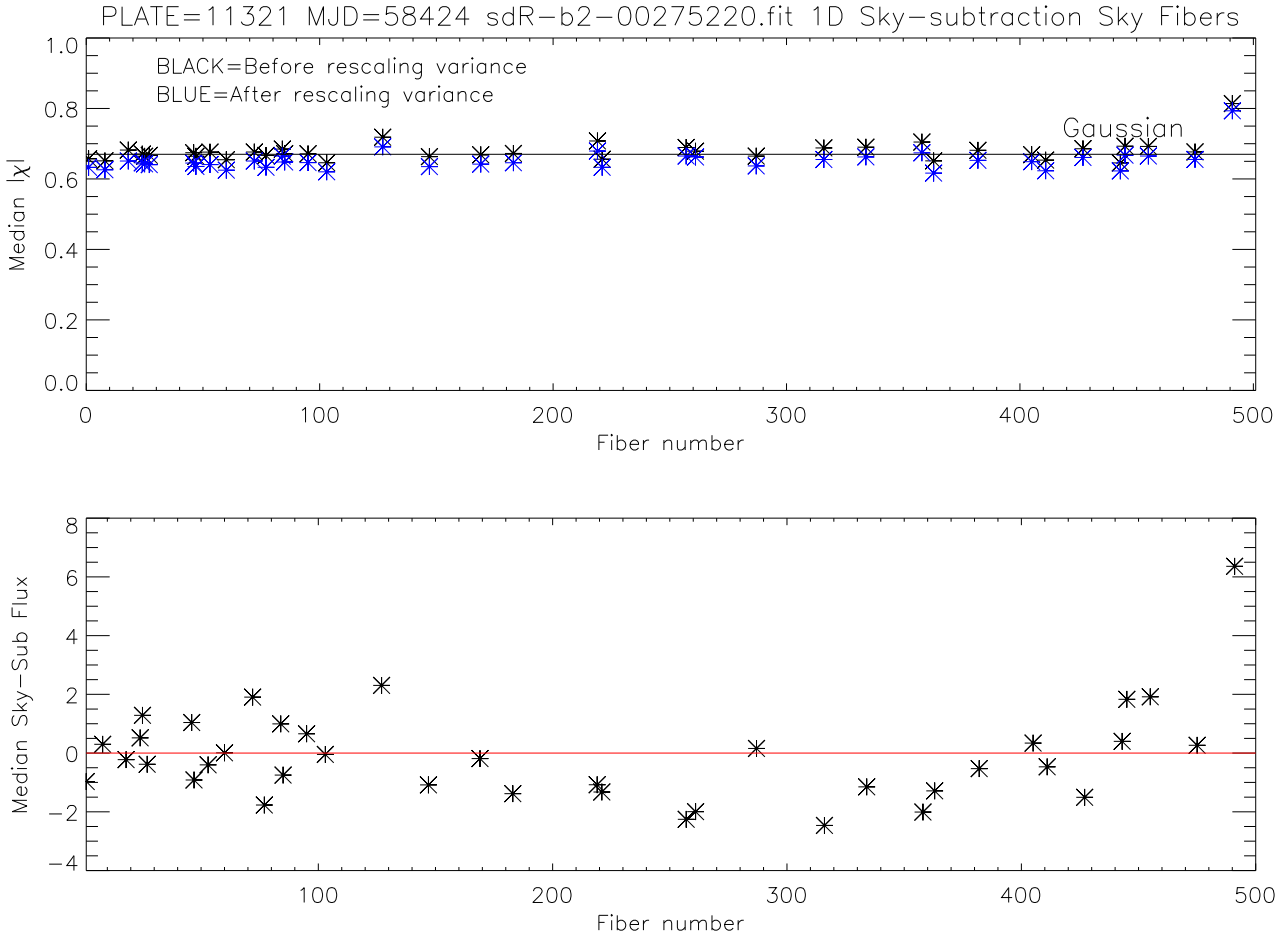

PLATE=11321 MJD=58424 Arcline Fit for sdR-b2-00275218.fit
Fiber Number
500
400
300
200
100
0
3000
4000
5000
6000
7000
λ [A] + 300 * Deviation
Ncoeff = 6
Deviation [pix]
0.15
0.10
0.05
−0.00
−0.05
−0.10
−0.15
λ [A]
Mon May 11 17:23:34 2020

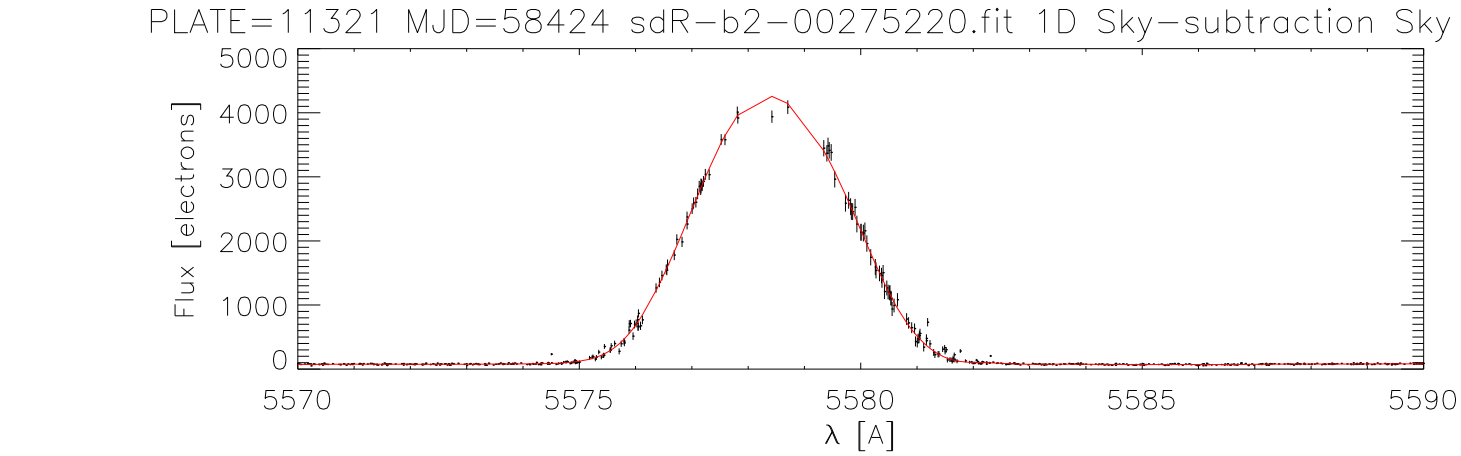

PLATE=11321 MJD=58424 Fiber−Flats for sdR−b2−00275219.fit
BLACK = Median value
ENVELOPE = 95% of points
GREEN = Outlier points
Min value = 0.332
Max value = 1.513
Fiber−Flat
1.5
1.0
0.5
0.0
3000
4000
5000
6000
7000
λ [A]
Mon May 11 17:23:51 2020

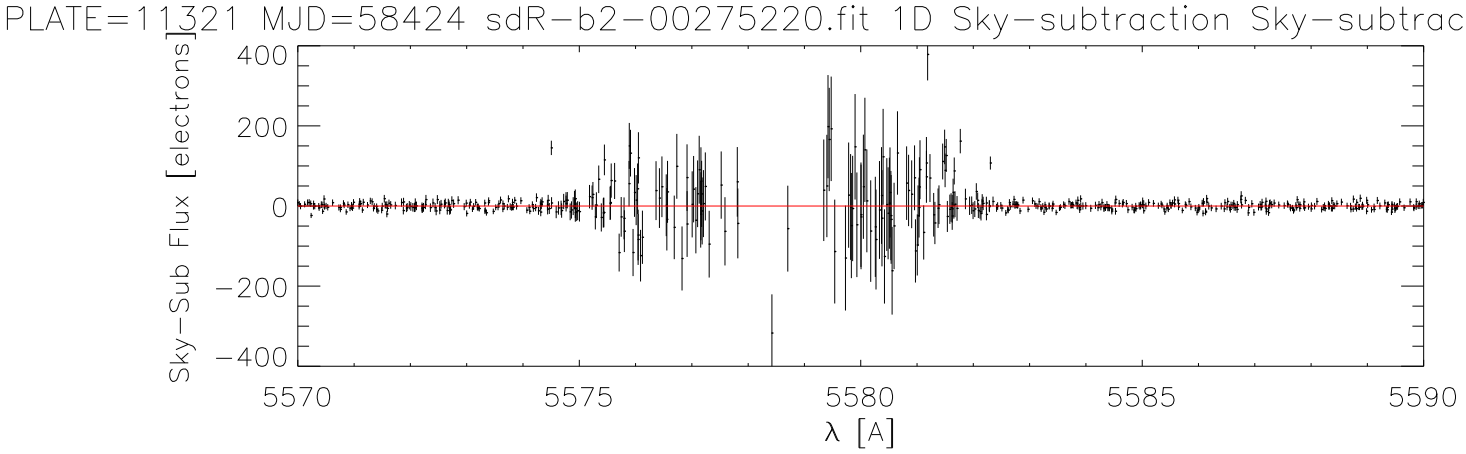

PLATE=11321 MJD=58424 Extraction chi^2 for sdR−b2−00275220.fit
BLACK = Final chisq extraction
χ^2
1.0
0.8
0.6
0.4
0.2
0.0
0
1000
2000
3000
4000
Row number


PLATE=11321 MJD=58424 Sky Line Deviations for sdR-b2-00275220.fit
Before shift
After shift
1.00 pix
Fiber Number
0
100
200
300
400
500
4046
4358
5460
5577
6300
6363
6553
6923
6949
Sky Line Wavelength

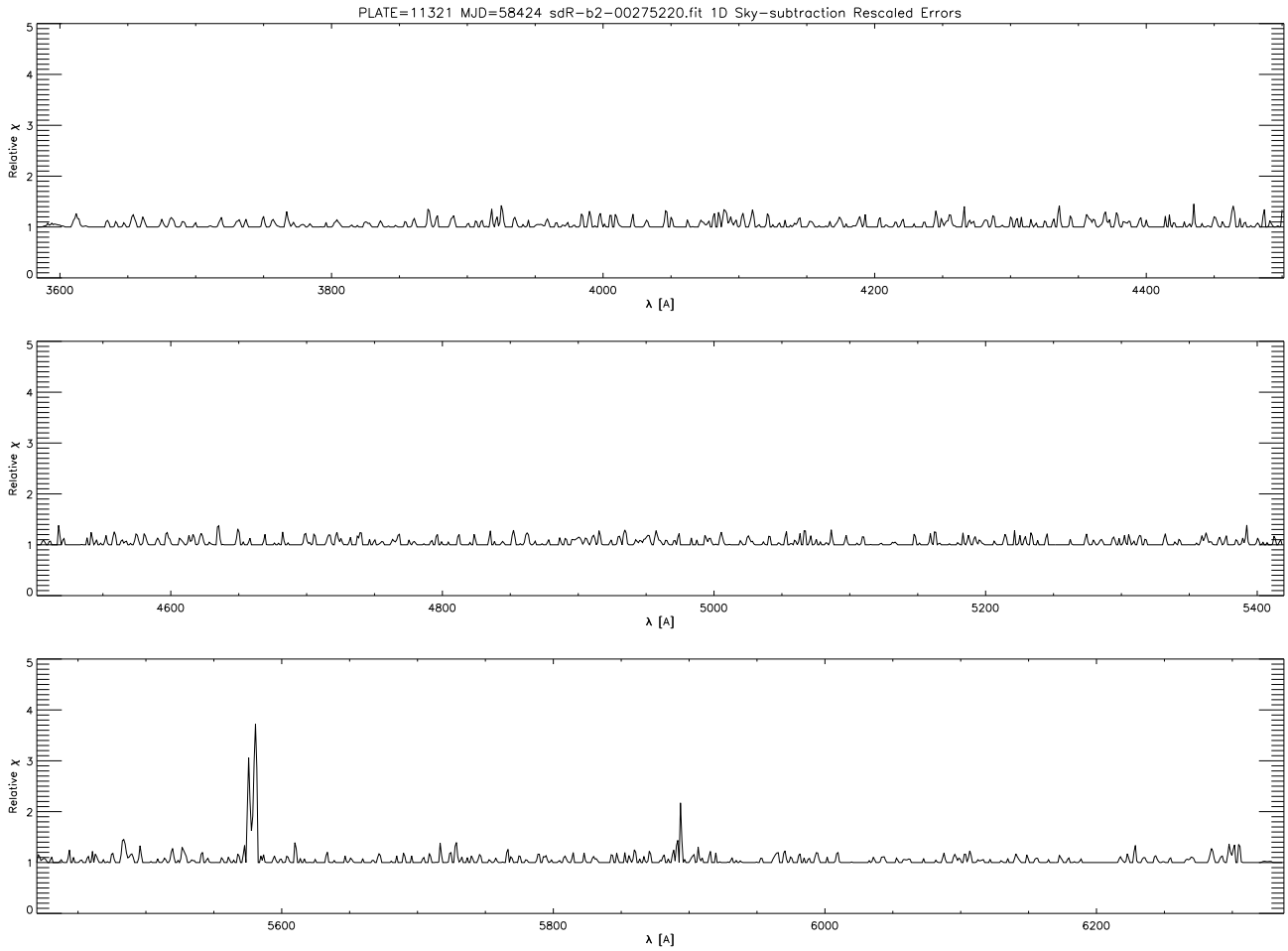

PLATE=11321 MJD=58424 Smooth superflat for sdR-b2-00275220.fit
2.0
1.5
1.0
0.5
0.0
1.04
1.02
1.00
0.98
0.96
3000
4000
5000
6000
7000
Wavelength (Å)

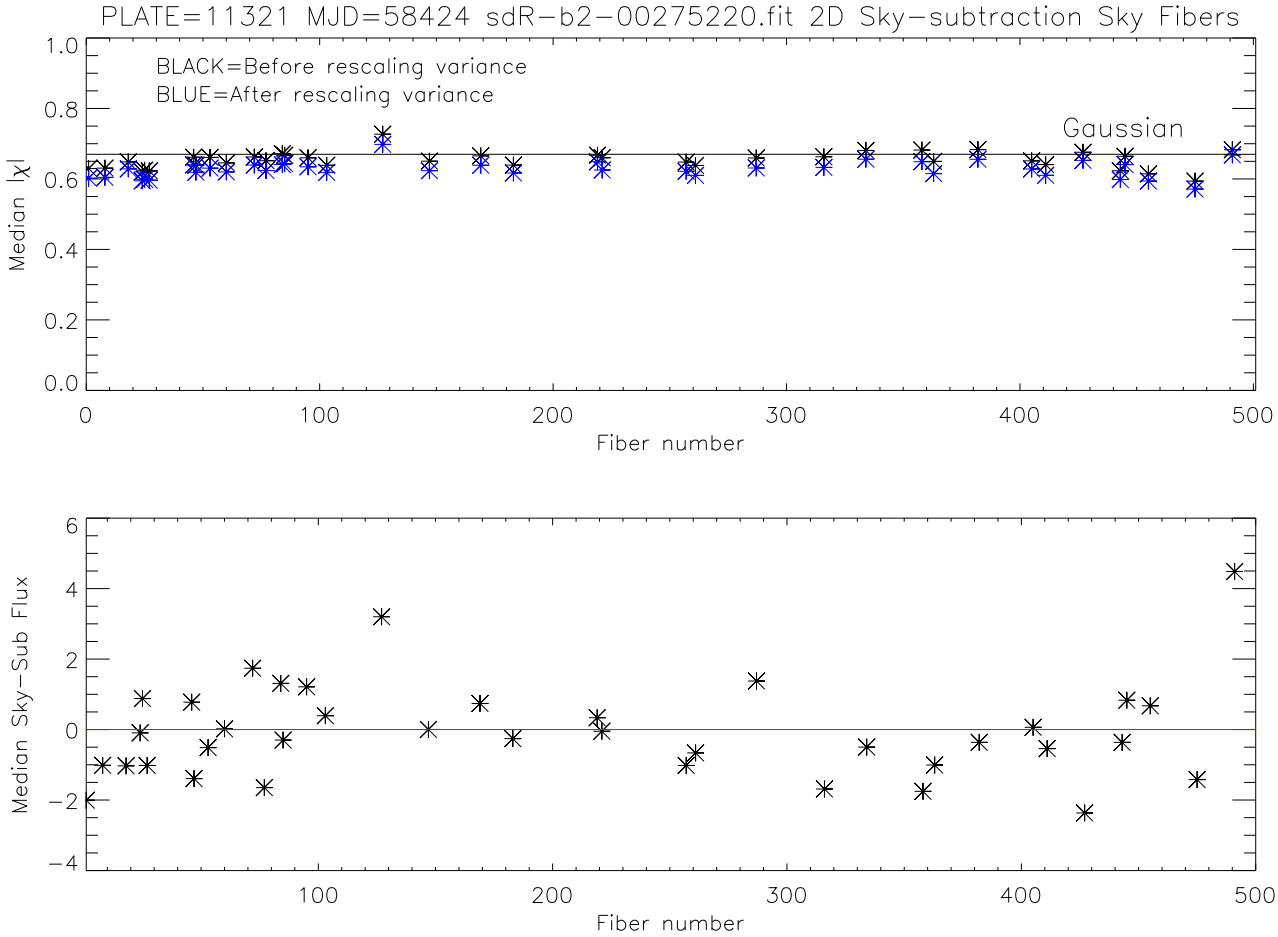

PLATE=11321 MJD=58424 sdR-b2-00275220.fit 1D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

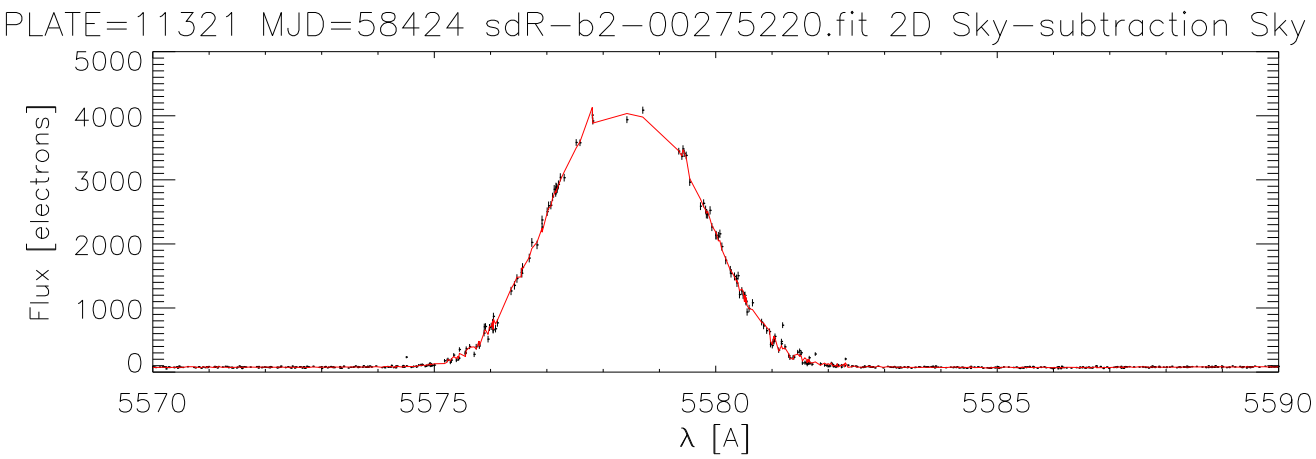

PLATE=11321 MJD=58424 sdR-b2-00275220.fit 1D Sky-subtraction Sky Fibers
Flux [electrons]
5000
4000
3000
2000
1000
0
5570
5575
5580
5585
5590
λ [A]

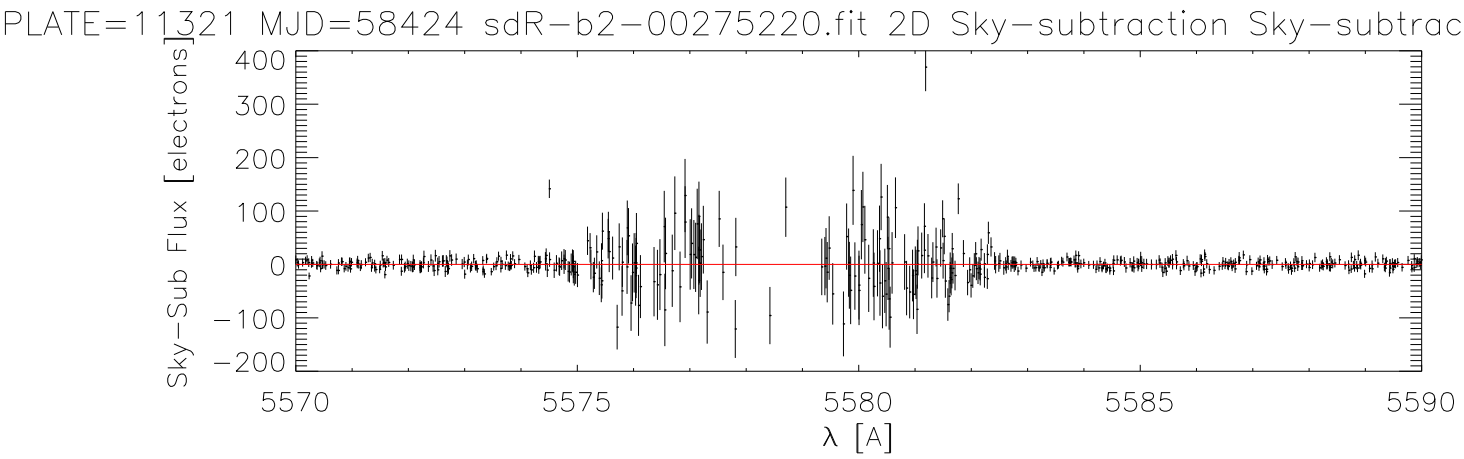

PLATE=11321 MJD=58424 sdR-b2-00275220.fit 1D Sky-subtraction Sky-subtracted Sky
Sky-Sub Flux [electrons]
400
200
0
-200
-400
5570
5575
5580
5585
5590
λ [A]

Number of sky fibers = 38

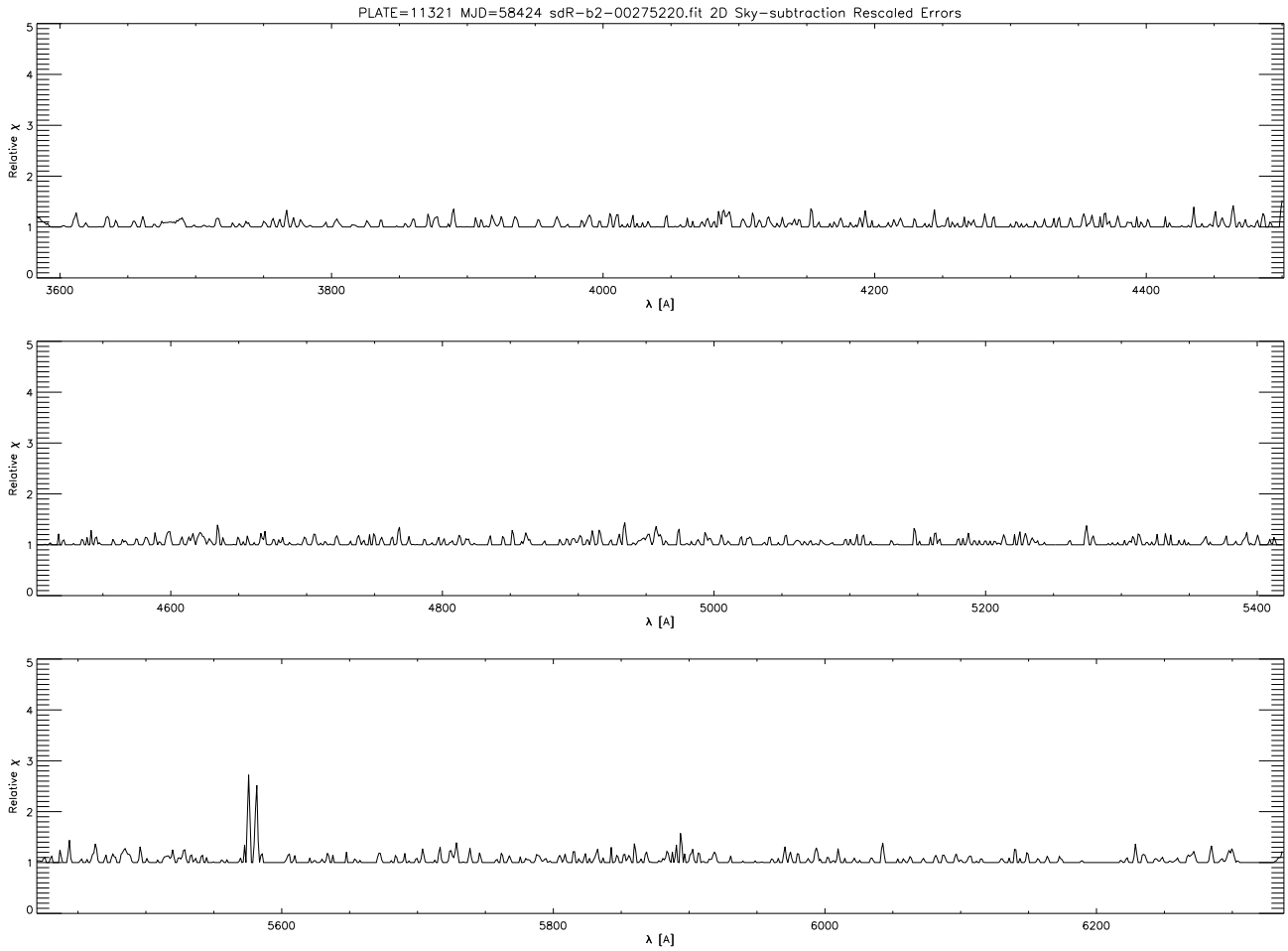


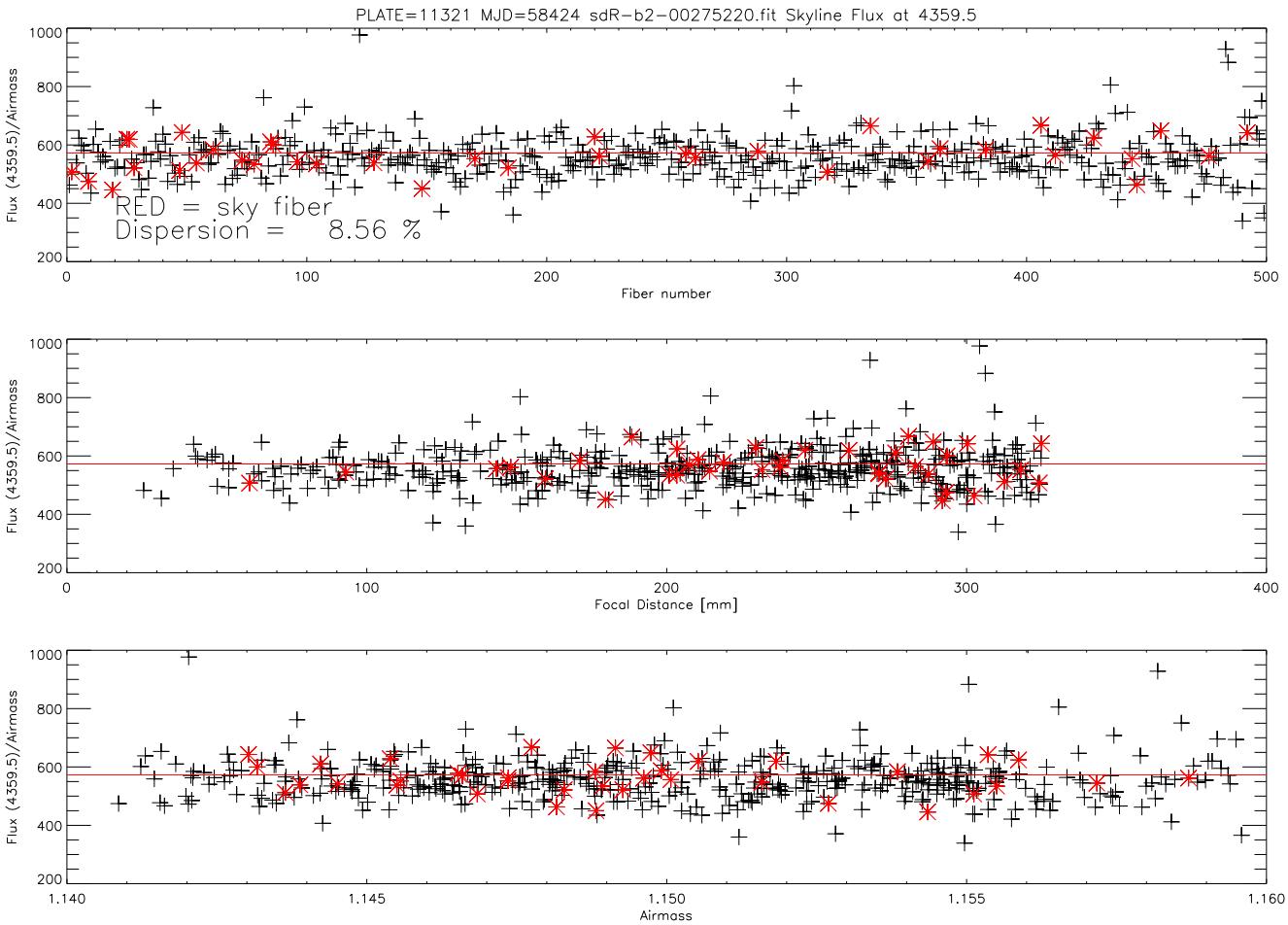

PLATE=11321 MJD=58424 sdR-b2-00275220.fit 2D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

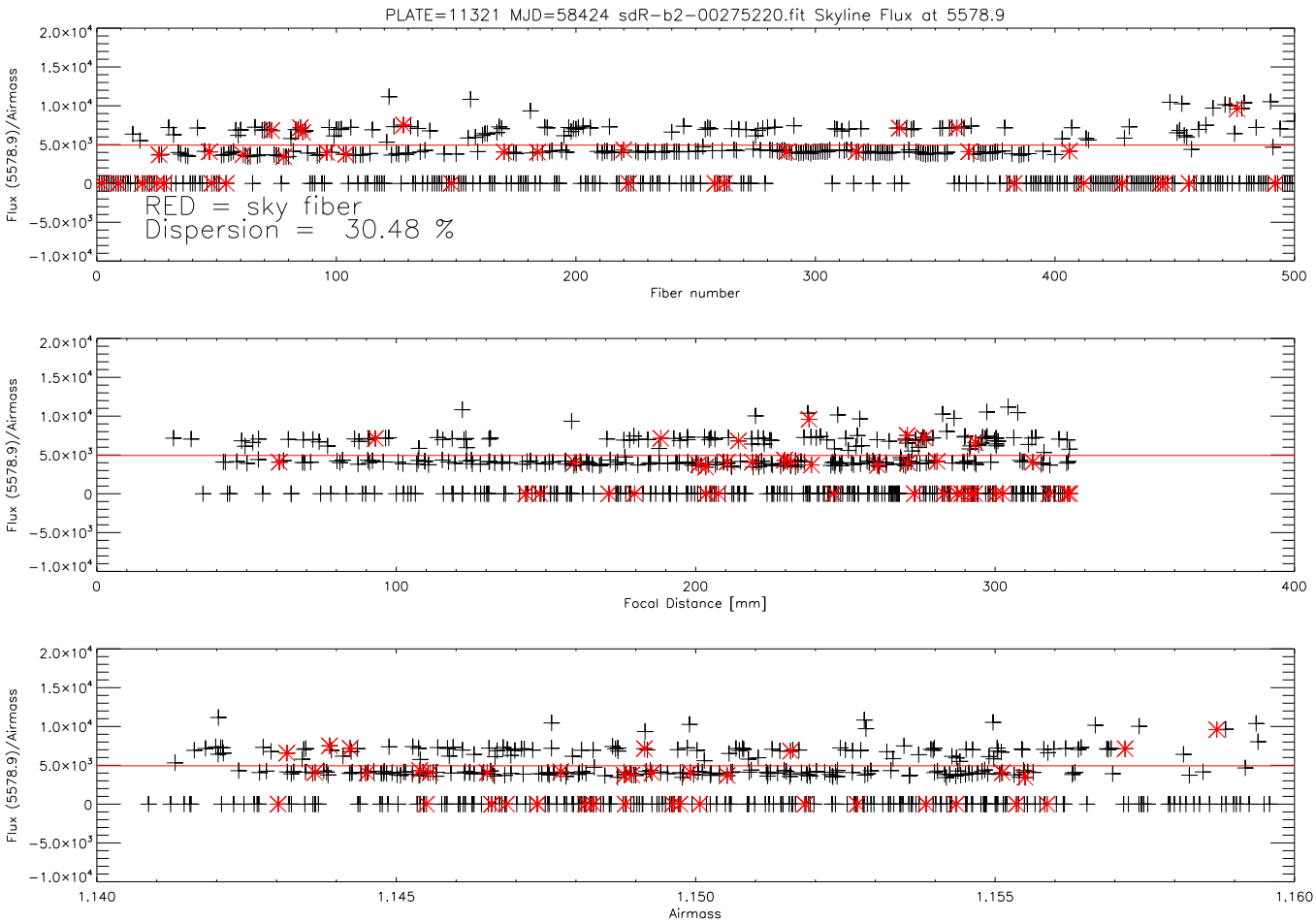

PLATE=11321 MJD=58424 sdR-b2-00275220.fit 2D Sky-subtraction Sky Fibers
Flux [electrons]
5000
4000
3000
2000
1000
0
5570
5575
5580
5585
5590
λ [A]

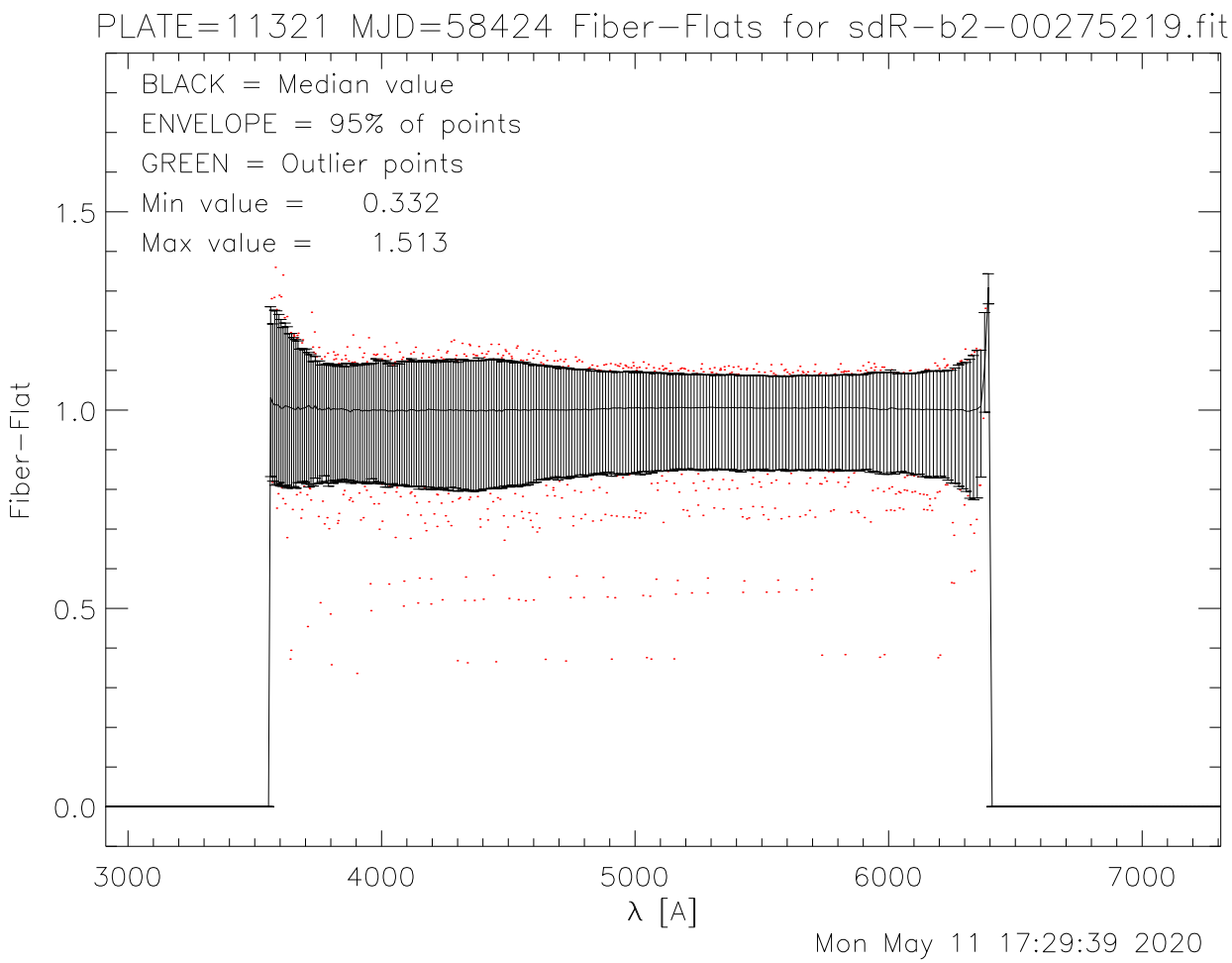

PLATE=11321 MJD=58424 sdR-b2-00275220.fit 2D Sky-subtraction Sky-subtracted Sky
Sky-Sub Flux [electrons]
400
300
200
100
0
-100
-200
5570
5575
5580
5585
5590
λ [A]

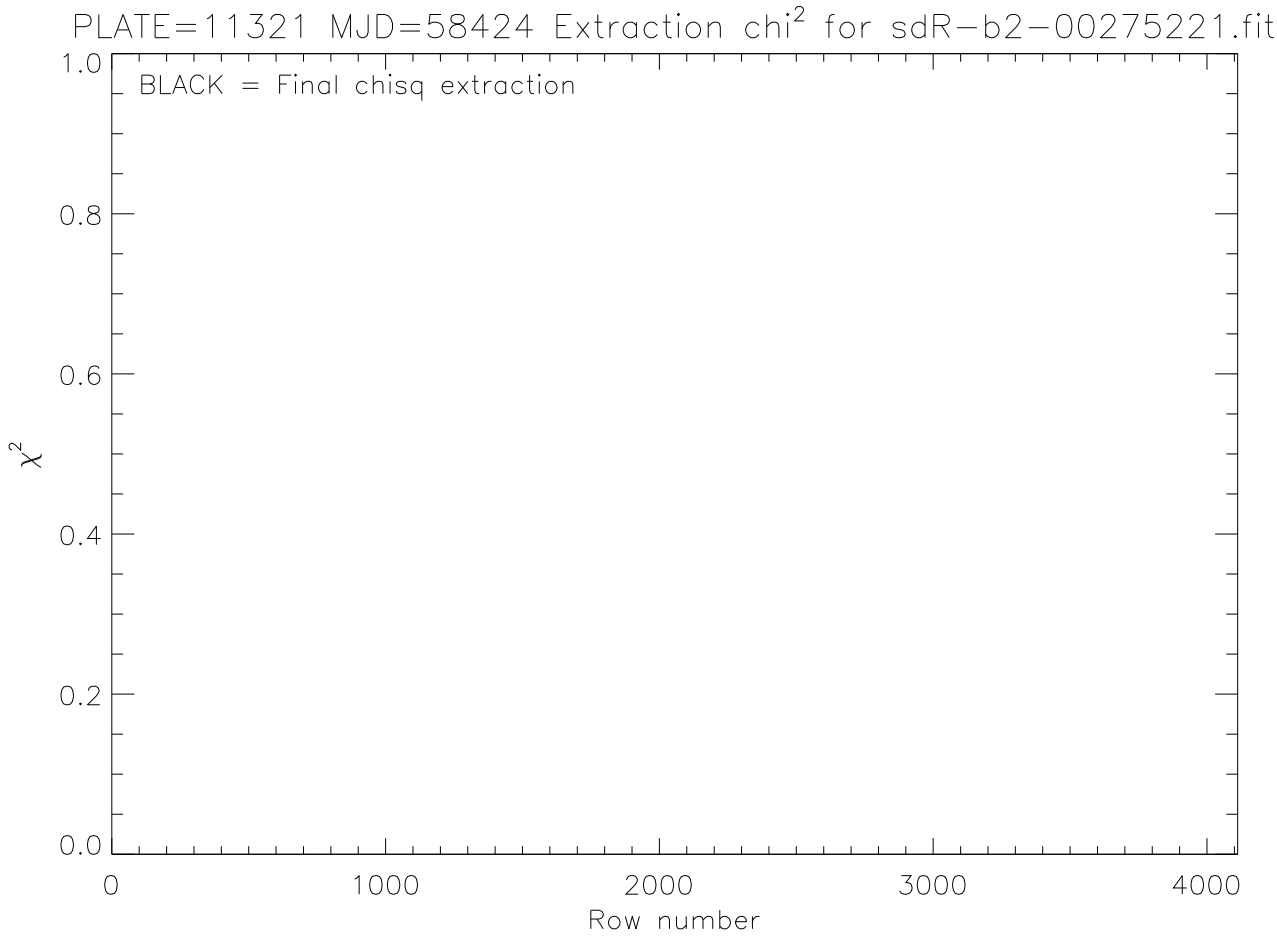
Number of sky fibers = 38

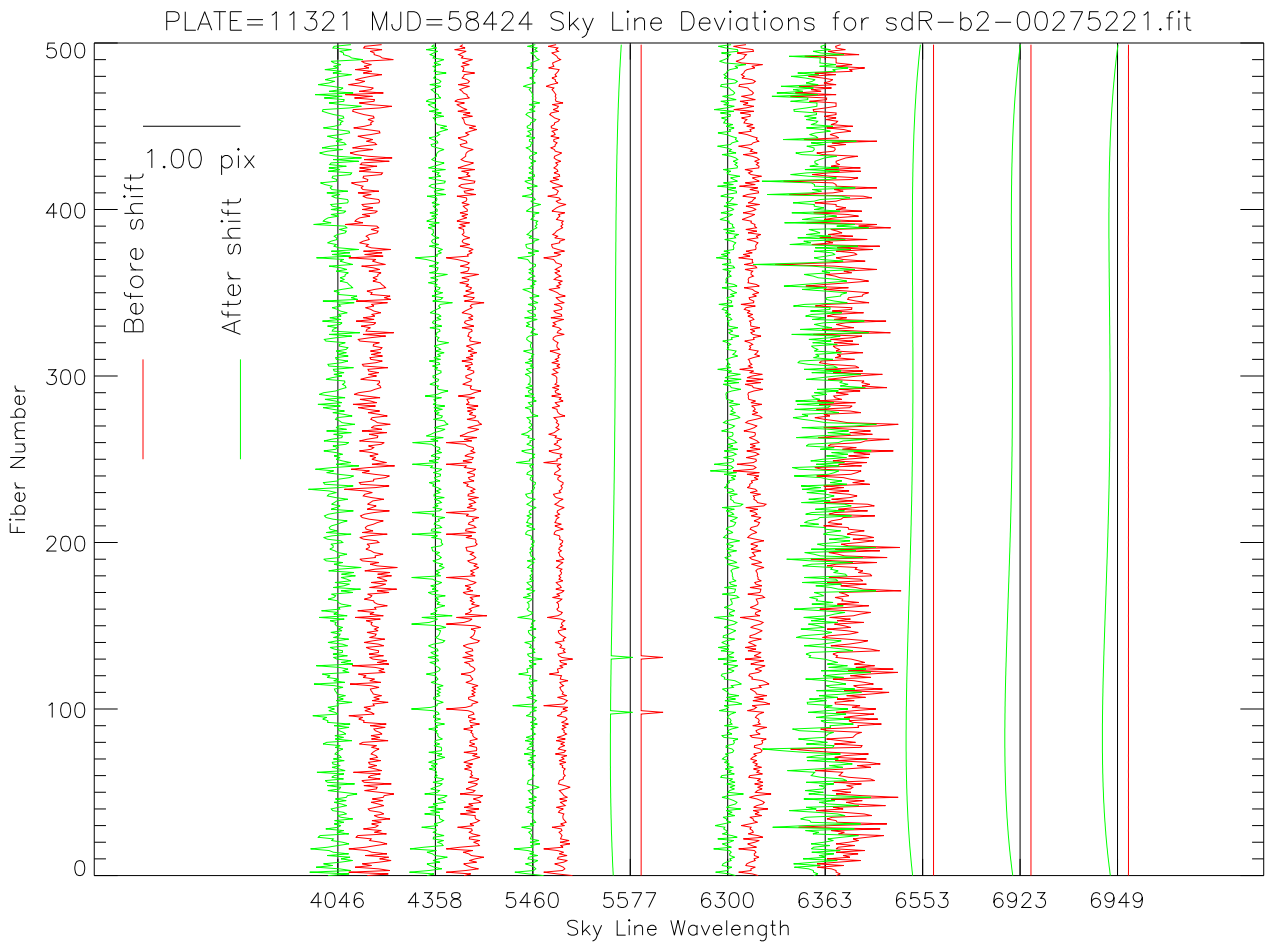


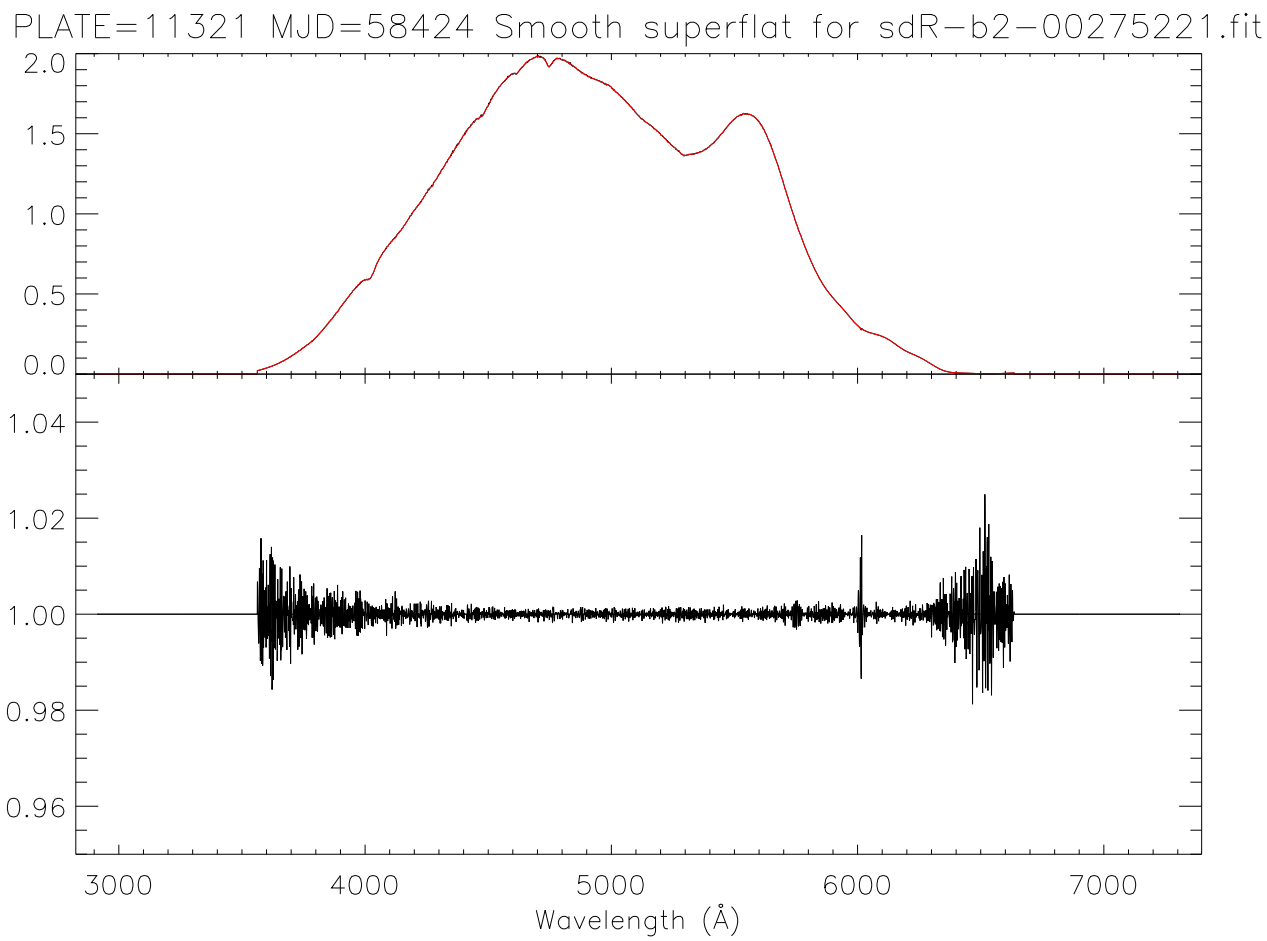

PLATE=11321 MJD=58424 sdR-b2-00275220.fit Skyline Flux at 4359.5
Flux (4359.5)/Airmass
RED = sky fiber
Dispersion = 8.56 %
Fiber number
Flux (4359.5)/Airmass
Focal Distance [mm]
Flux (4359.5)/Airmass
Airmass

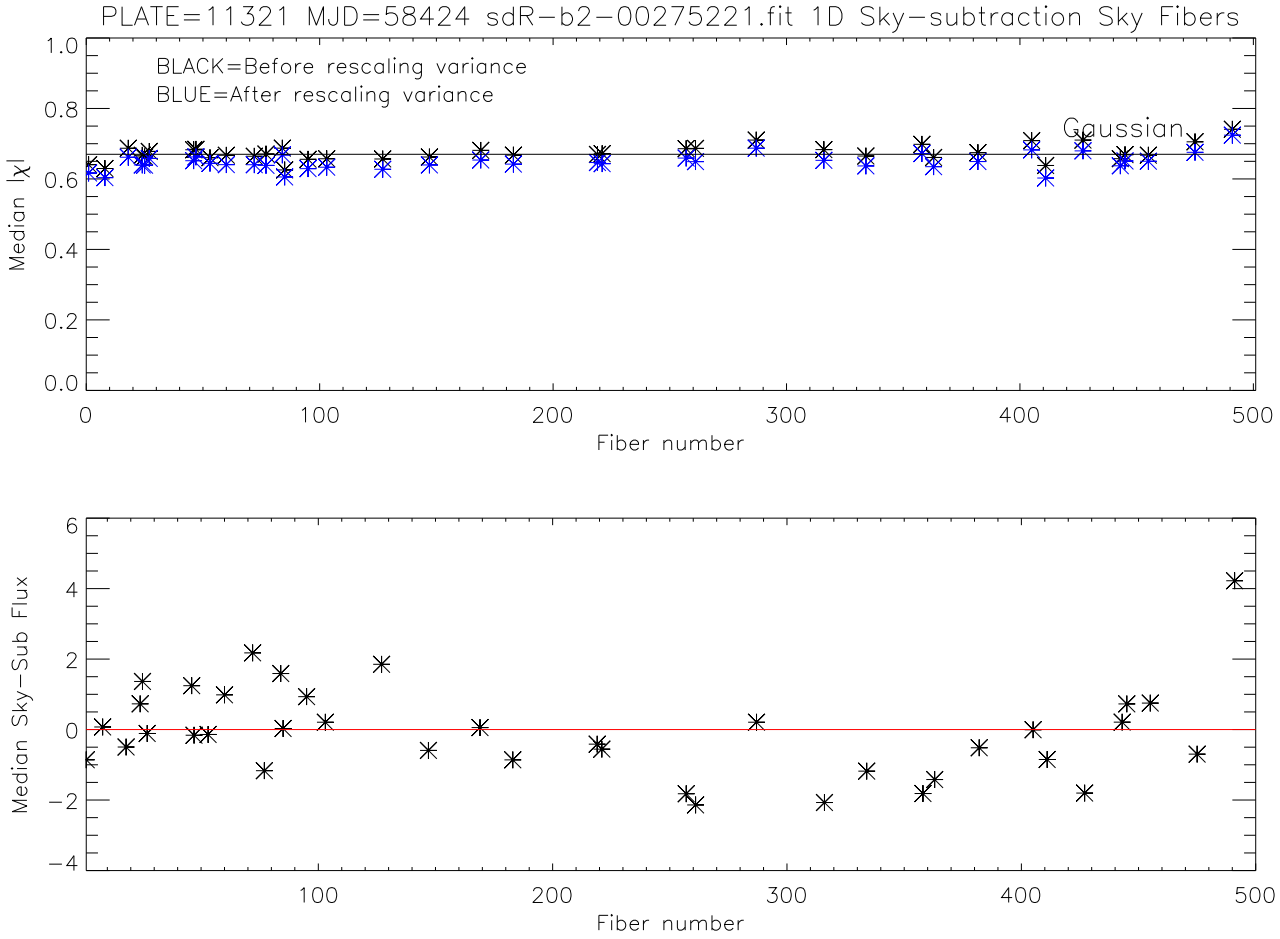

PLATE=11321 MJD=58424 sdR-b2-00275220.fit Skyline Flux at 5578.9
Flux (5578.9)/Airmass
RED = sky fiber
Dispersion = 30.48 %
Fiber number
Flux (5578.9)/Airmass
Focal Distance [mm]
Flux (5578.9)/Airmass
Airmass

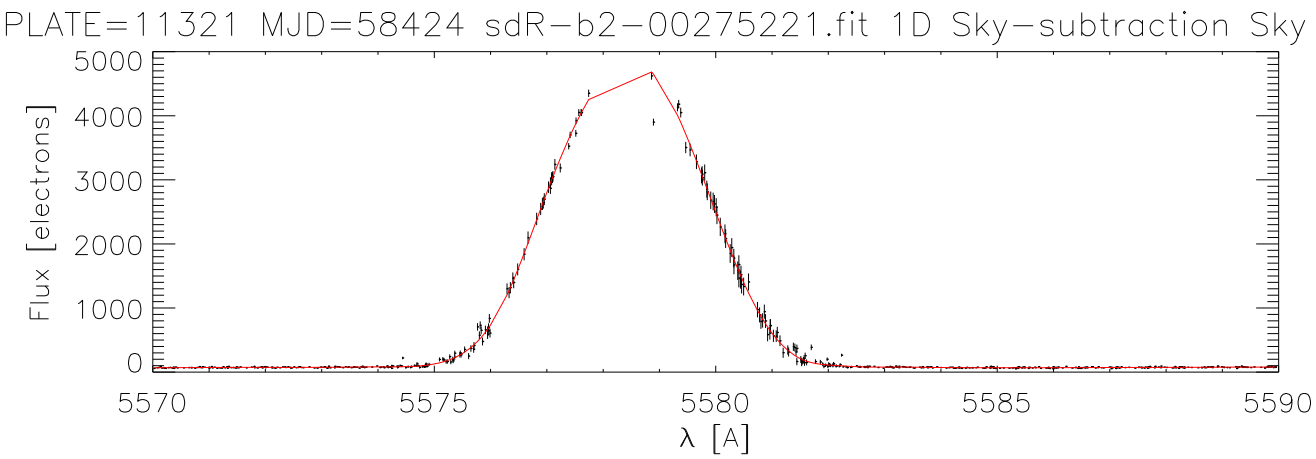

PLATE=11321 MJD=58424 Fiber−Flats for sdR−b2−00275219.fit
BLACK = Median value
ENVELOPE = 95% of points
GREEN = Outlier points
Min value = 0.332
Max value = 1.513
Fiber−Flat
1.5
1.0
0.5
0.0
3000
4000
5000
6000
7000
λ [A]
Mon May 11 17:29:39 2020

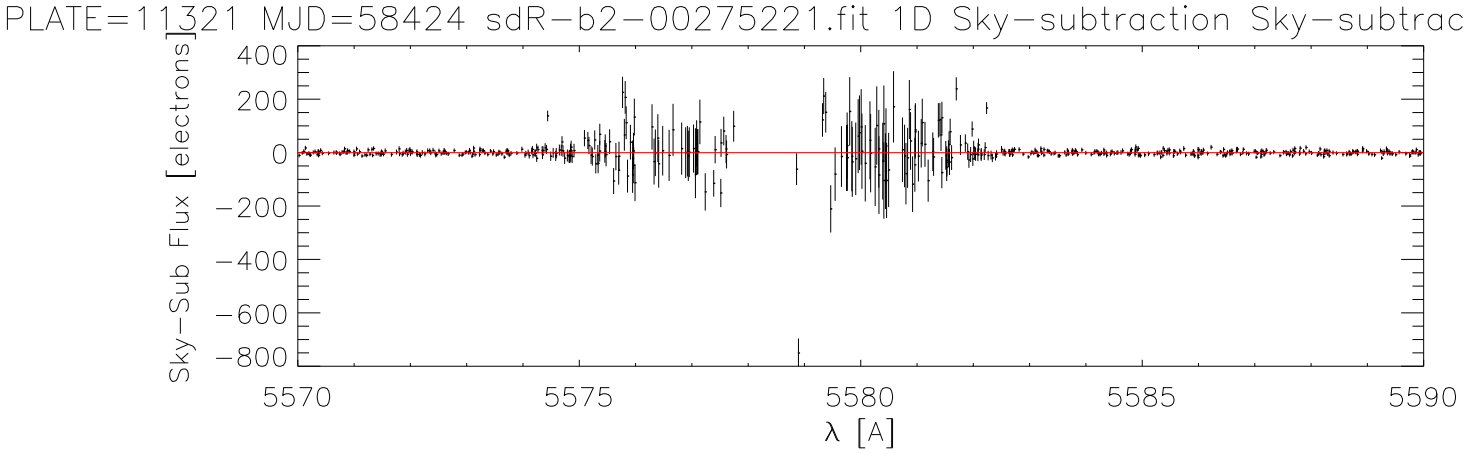

PLATE=11321 MJD=58424 Extraction chi^2 for sdR−b2−00275221.fit
BLACK = Final chisq extraction
χ^2
1.0
0.8
0.6
0.4
0.2
0.0
0
1000
2000
3000
4000
Row number


PLATE=11321 MJD=58424 Sky Line Deviations for sdR-b2-00275221.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

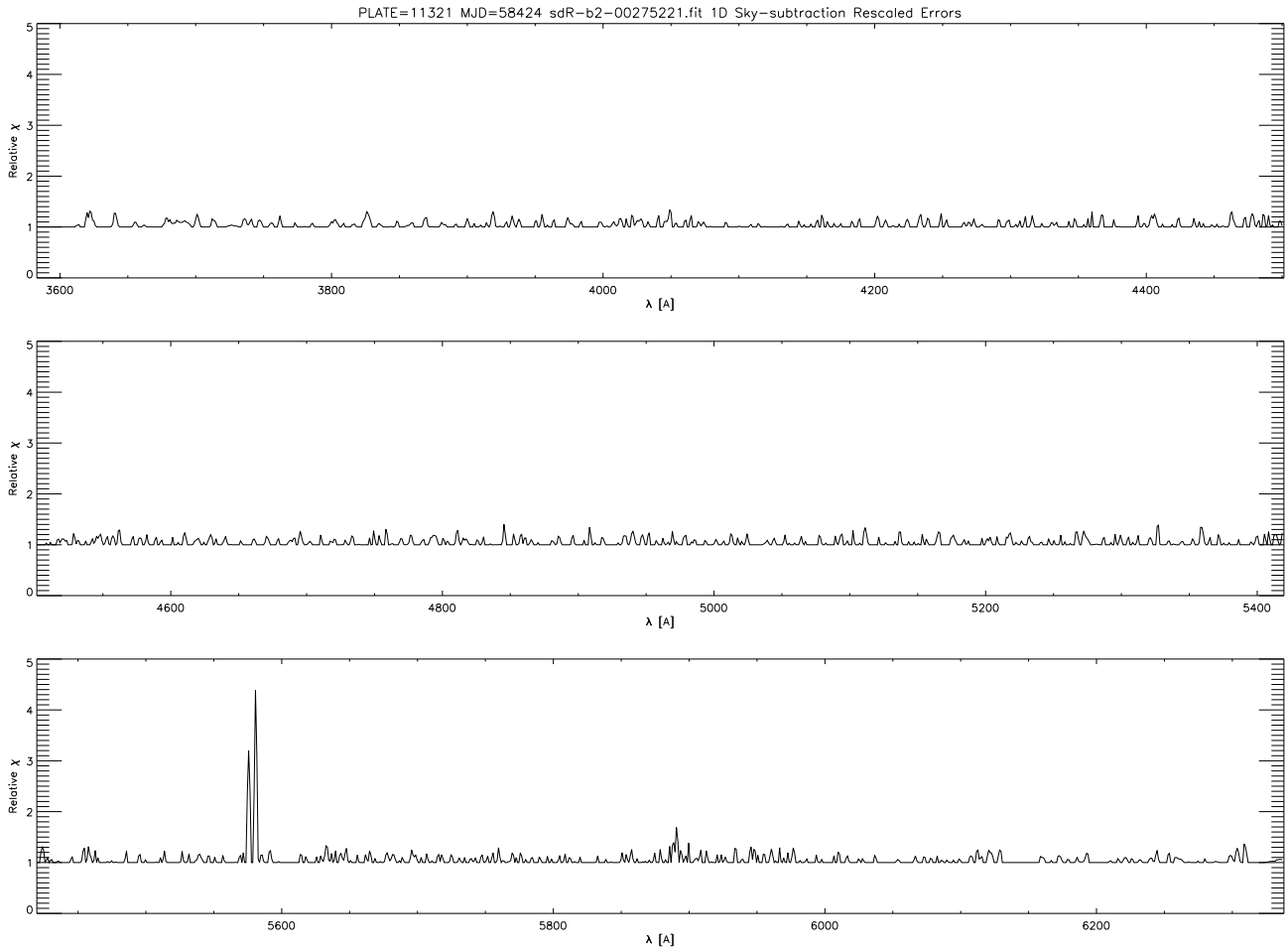

PLATE=11321 MJD=58424 Smooth superflat for sdR-b2-00275221.fit
2.0
1.5
1.0
0.5
0.0
1.04
1.02
1.00
0.98
0.96
3000
4000
5000
6000
7000
Wavelength (Å)

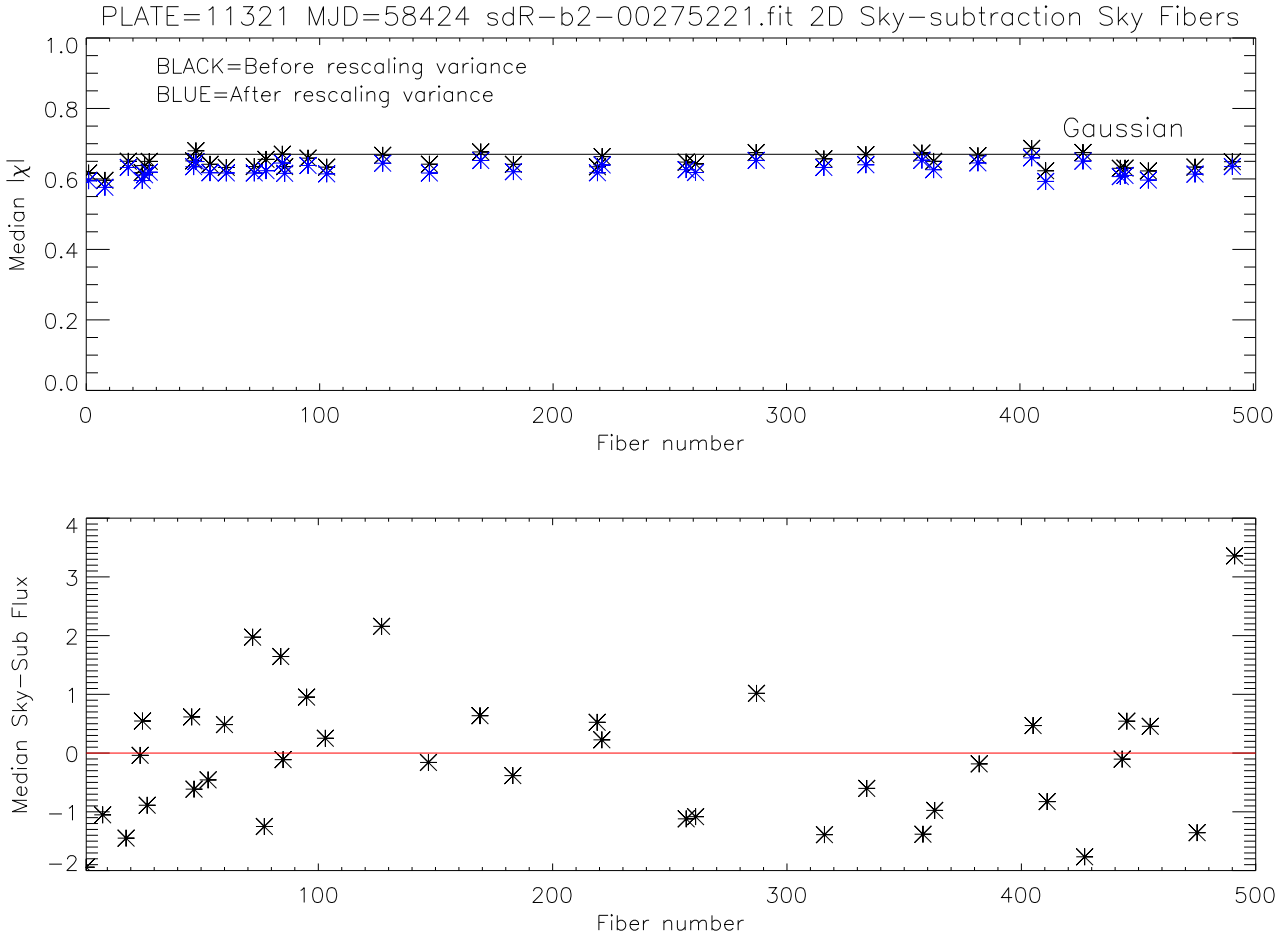

PLATE=11321 MJD=58424 sdR-b2-00275221.fit 1D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

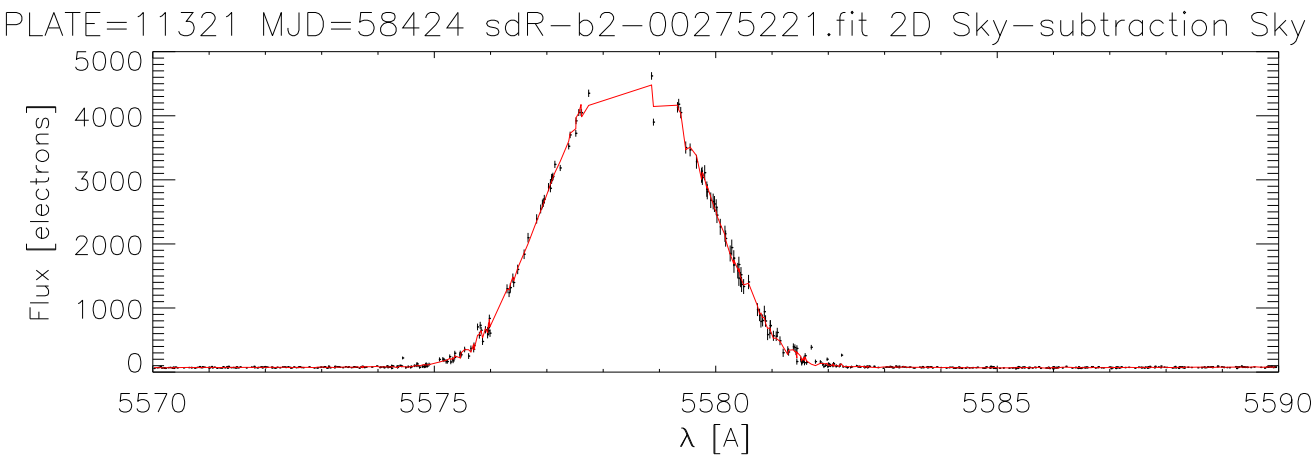

PLATE=11321 MJD=58424 sdR-b2-00275221.fit 1D Sky-subtraction Sky Fibers
Flux [electrons]
5000
4000
3000
2000
1000
0
5570
5575
5580
5585
5590
λ [A]

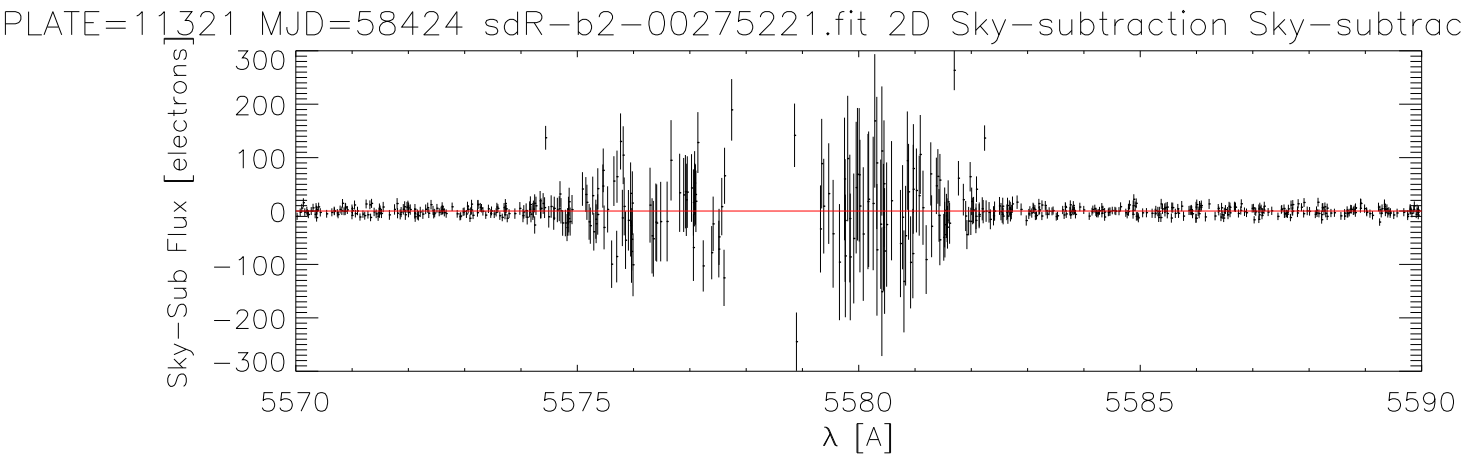

PLATE=11321 MJD=58424 sdR-b2-00275221.fit 1D Sky-subtraction Sky-subtracted Sky
Sky-Sub Flux [electrons]
400
200
0
-200
-400
-600
-800
5570
5575
5580
5585
5590
λ [A]

Number of sky fibers = 38

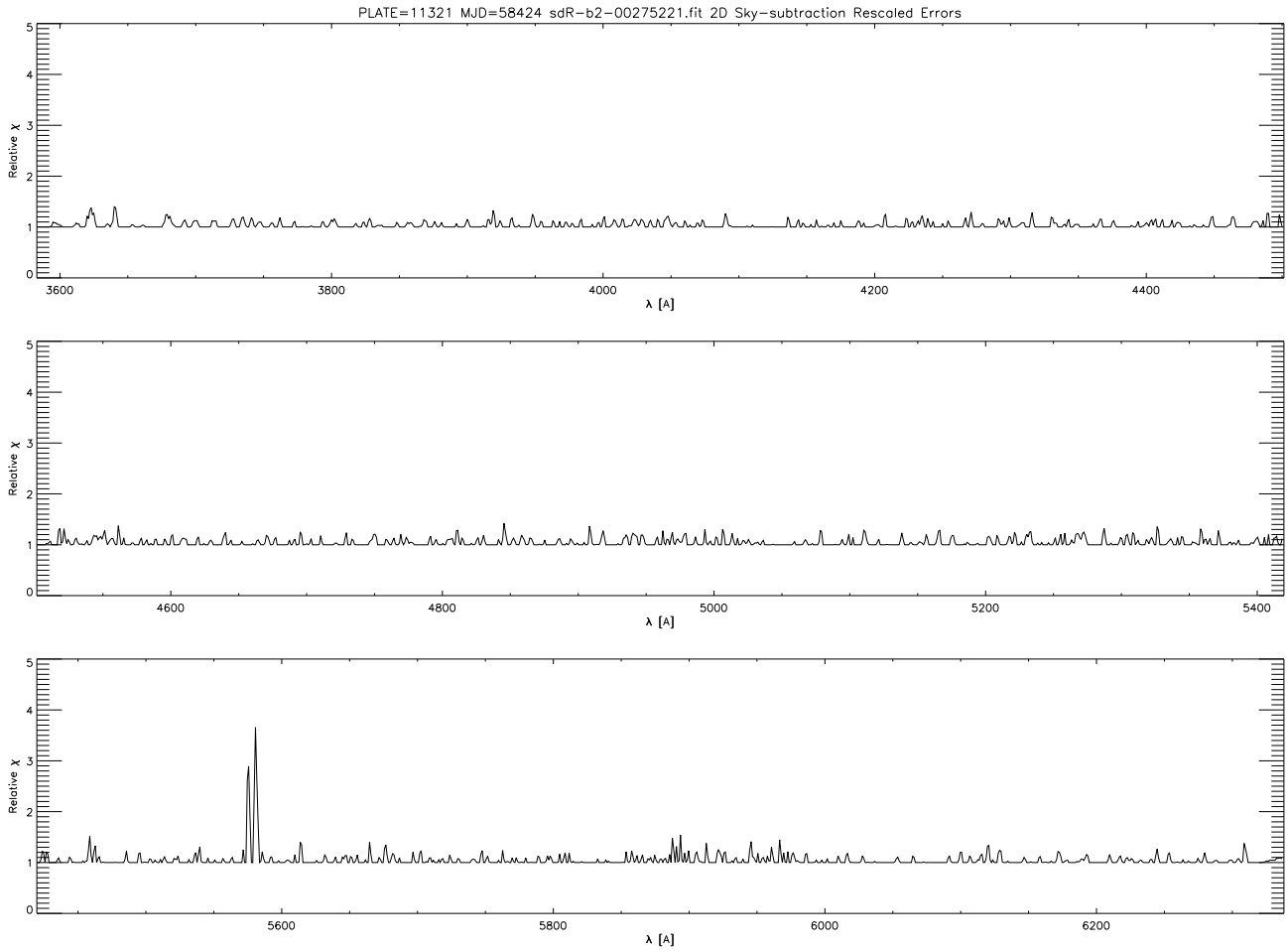


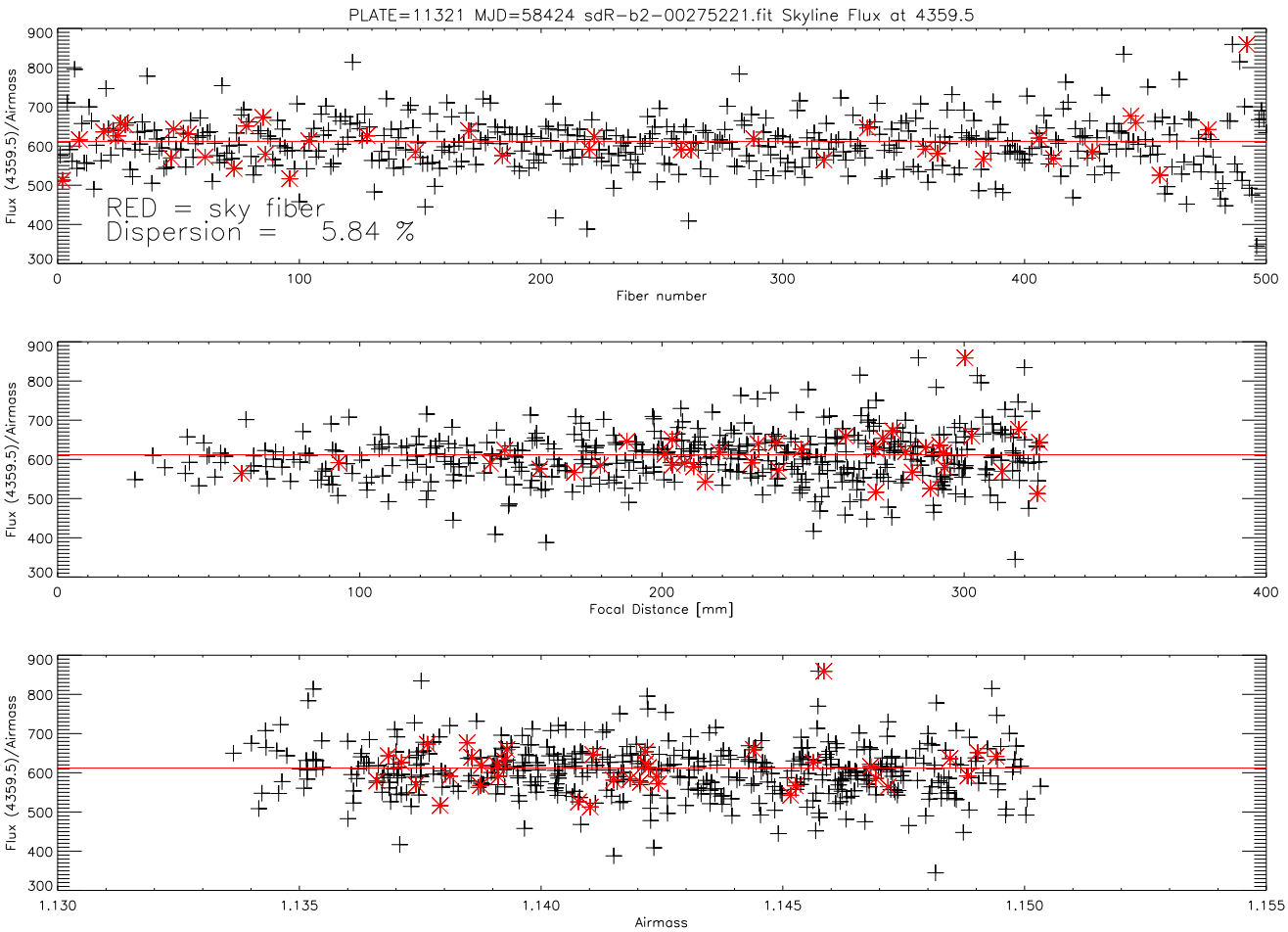

PLATE=11321 MJD=58424 sdR-b2-00275221.fit 2D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

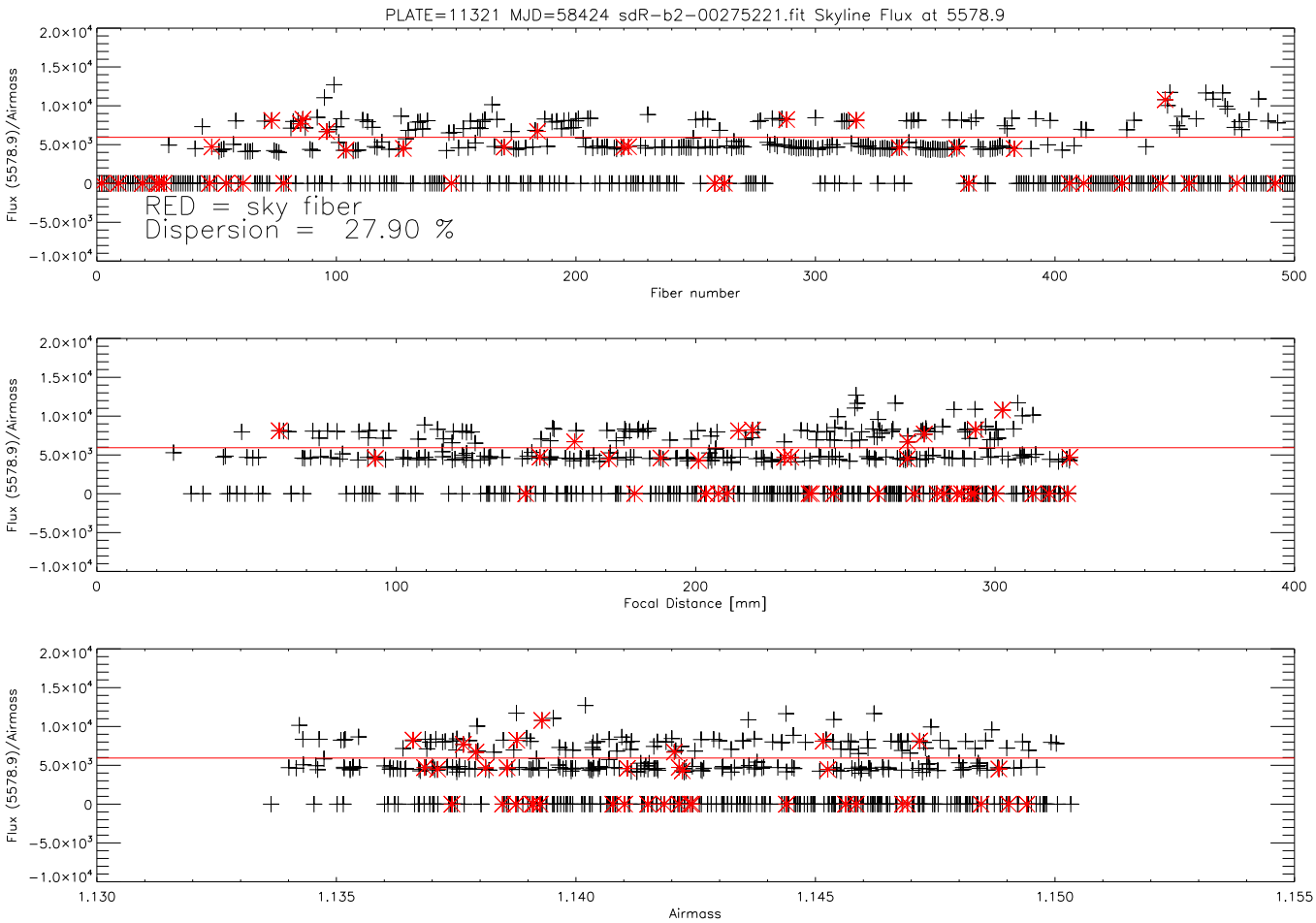

PLATE=11321 MJD=58424 sdR-b2-00275221.fit 2D Sky-subtraction Sky Fibers
Flux [electrons]
5000
4000
3000
2000
1000
0
5570
5575
5580
5585
5590
λ [A]

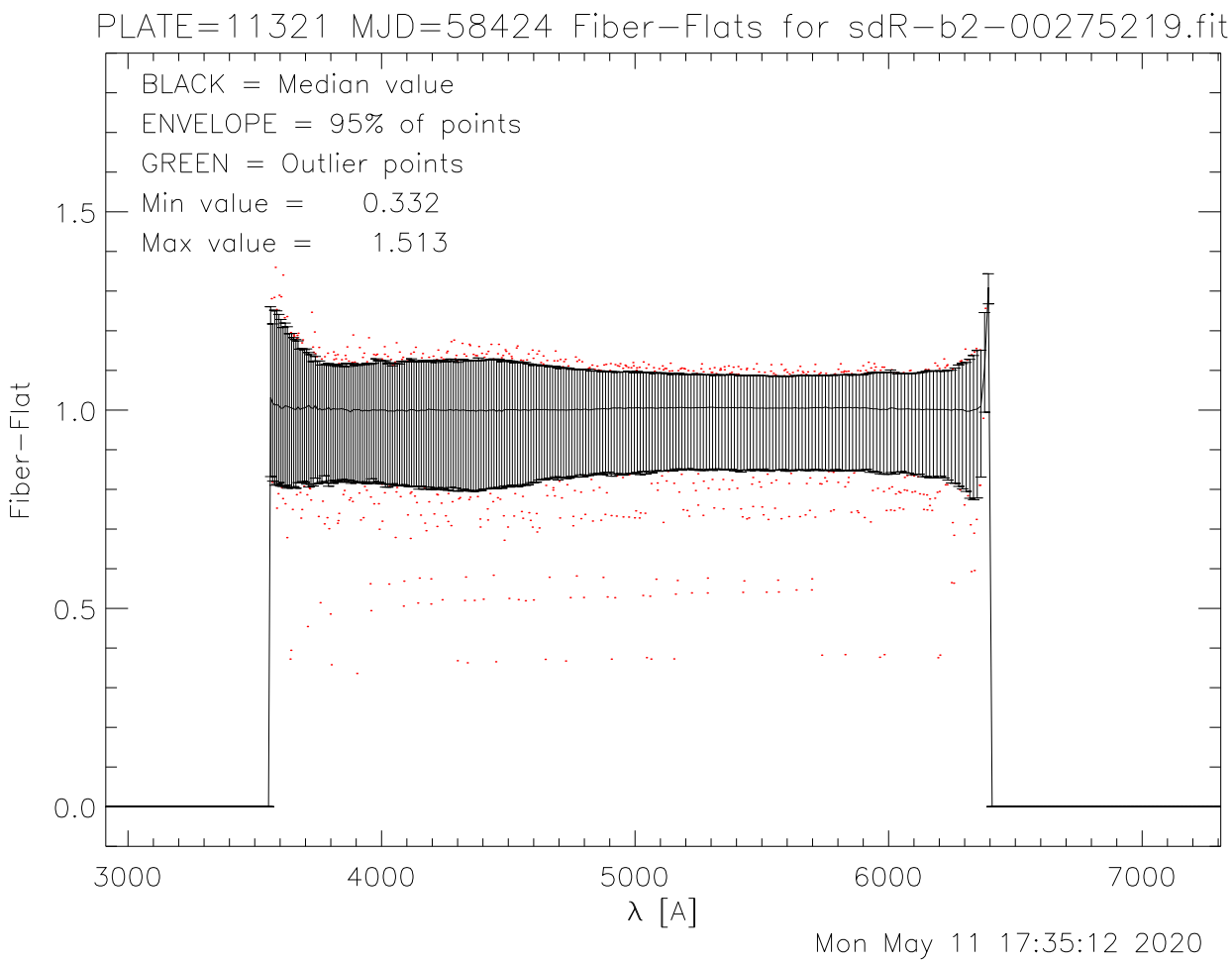

PLATE=11321 MJD=58424 sdR-b2-00275221.fit 2D Sky-subtraction Sky-subtracted Sky
Sky-Sub Flux [electrons]
300
200
100
0
-100
-200
-300
5570
5575
5580
5585
5590
λ [A]

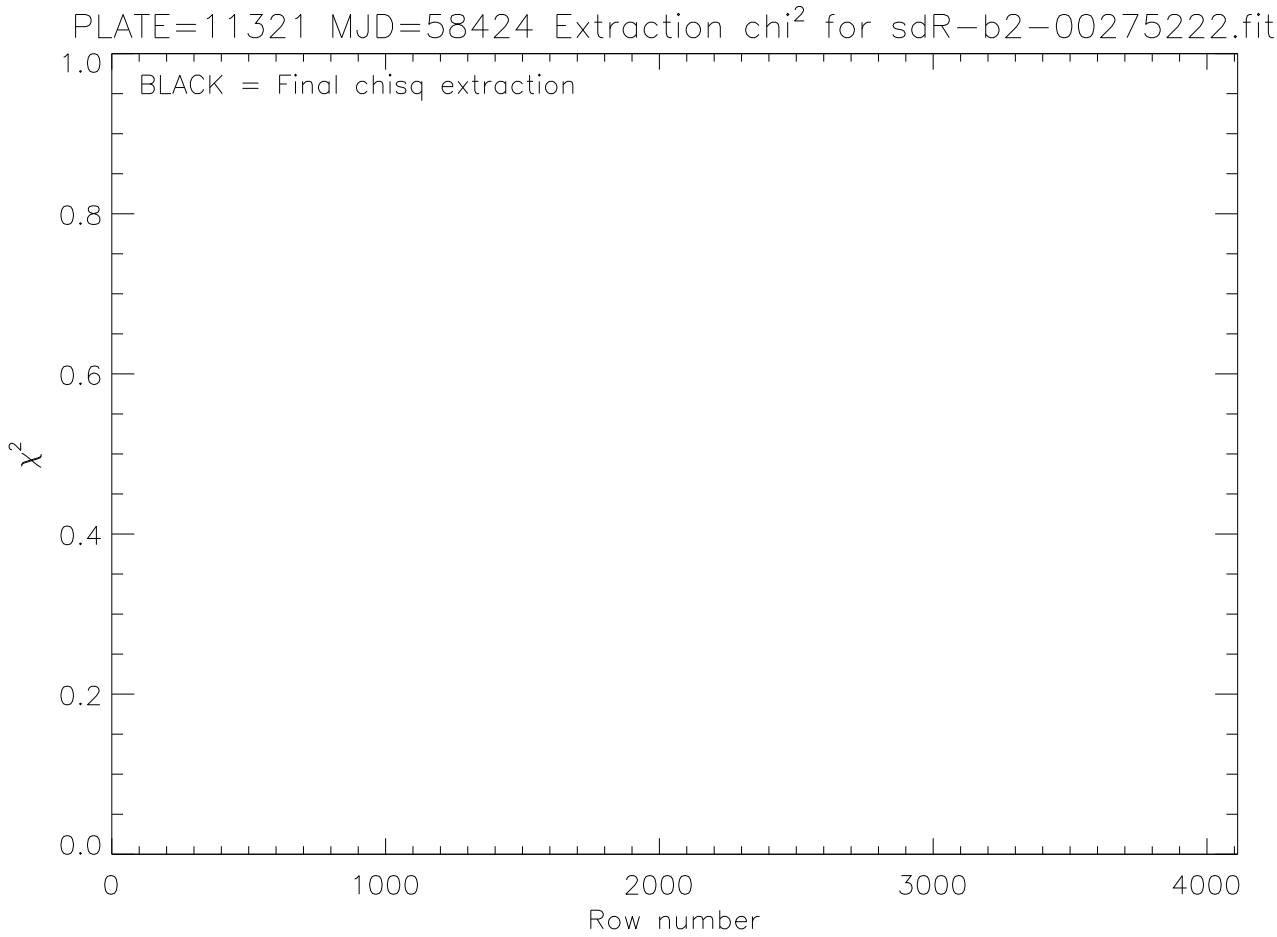
Number of sky fibers = 38

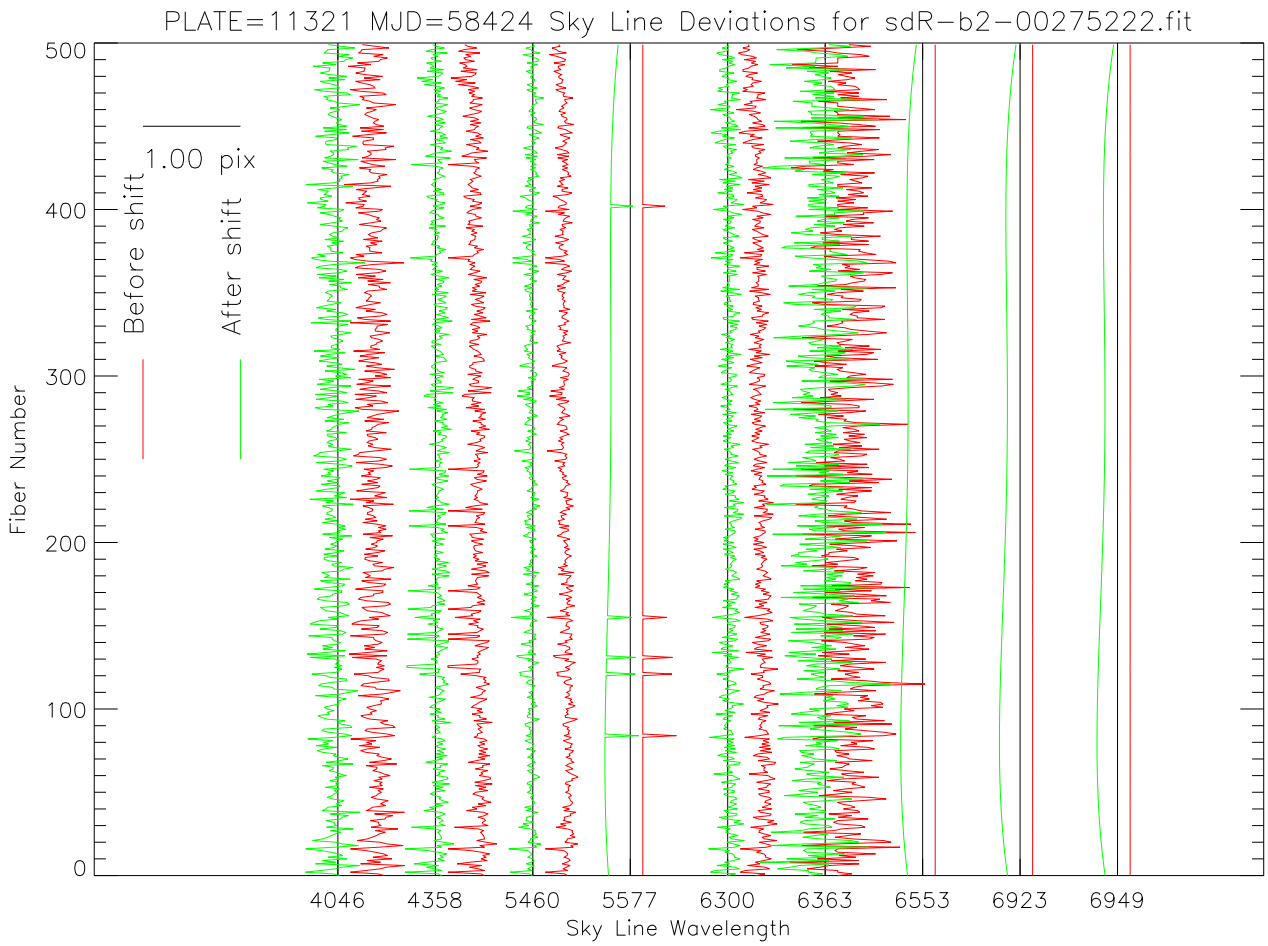


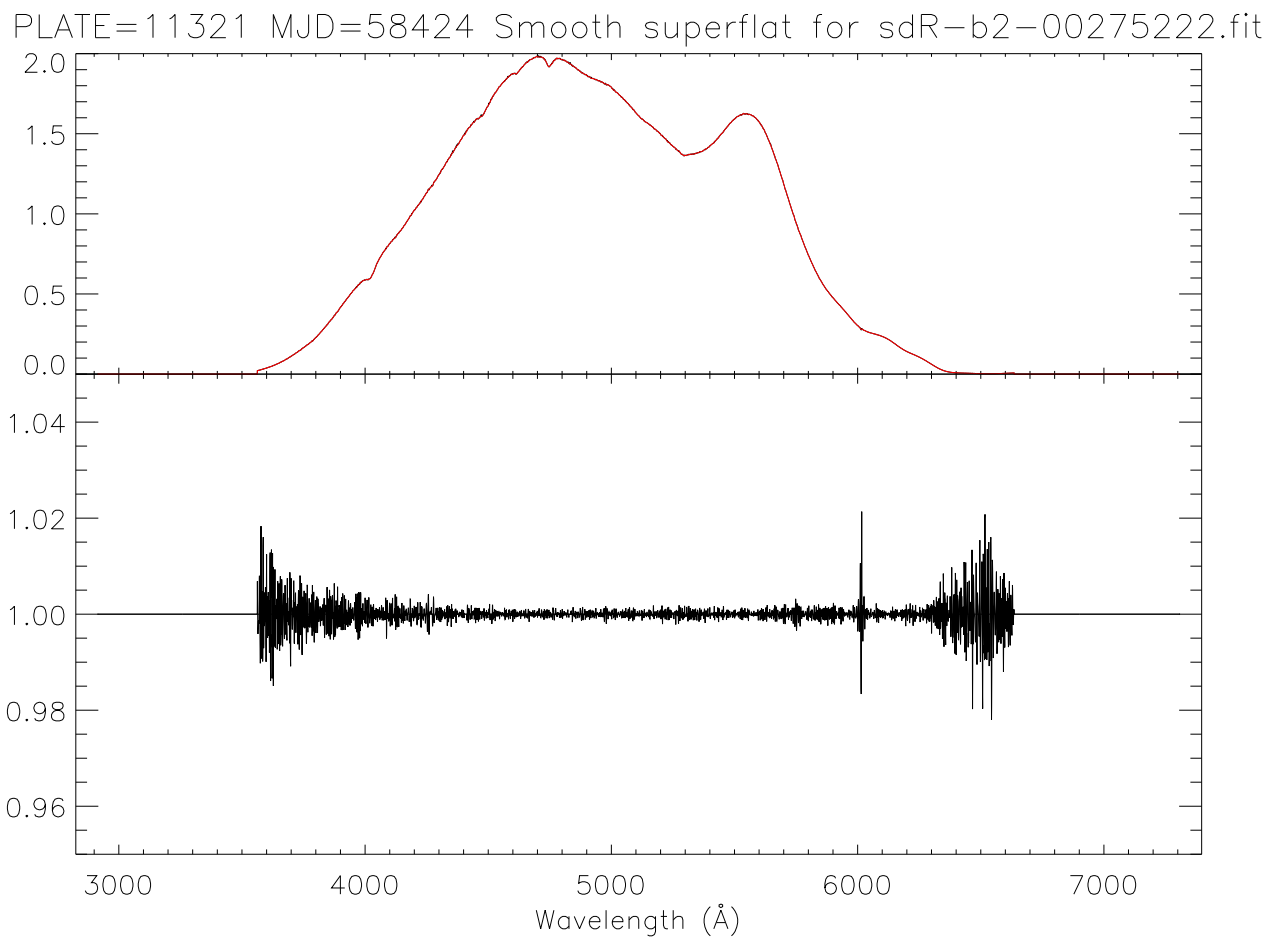

PLATE=11321 MJD=58424 sdR-b2-00275221.fit Skyline Flux at 4359.5
Flux (4359.5)/Airmass
RED = sky fiber
Dispersion = 5.84 %
Fiber number
Flux (4359.5)/Airmass
Focal Distance [mm]
Flux (4359.5)/Airmass
Airmass

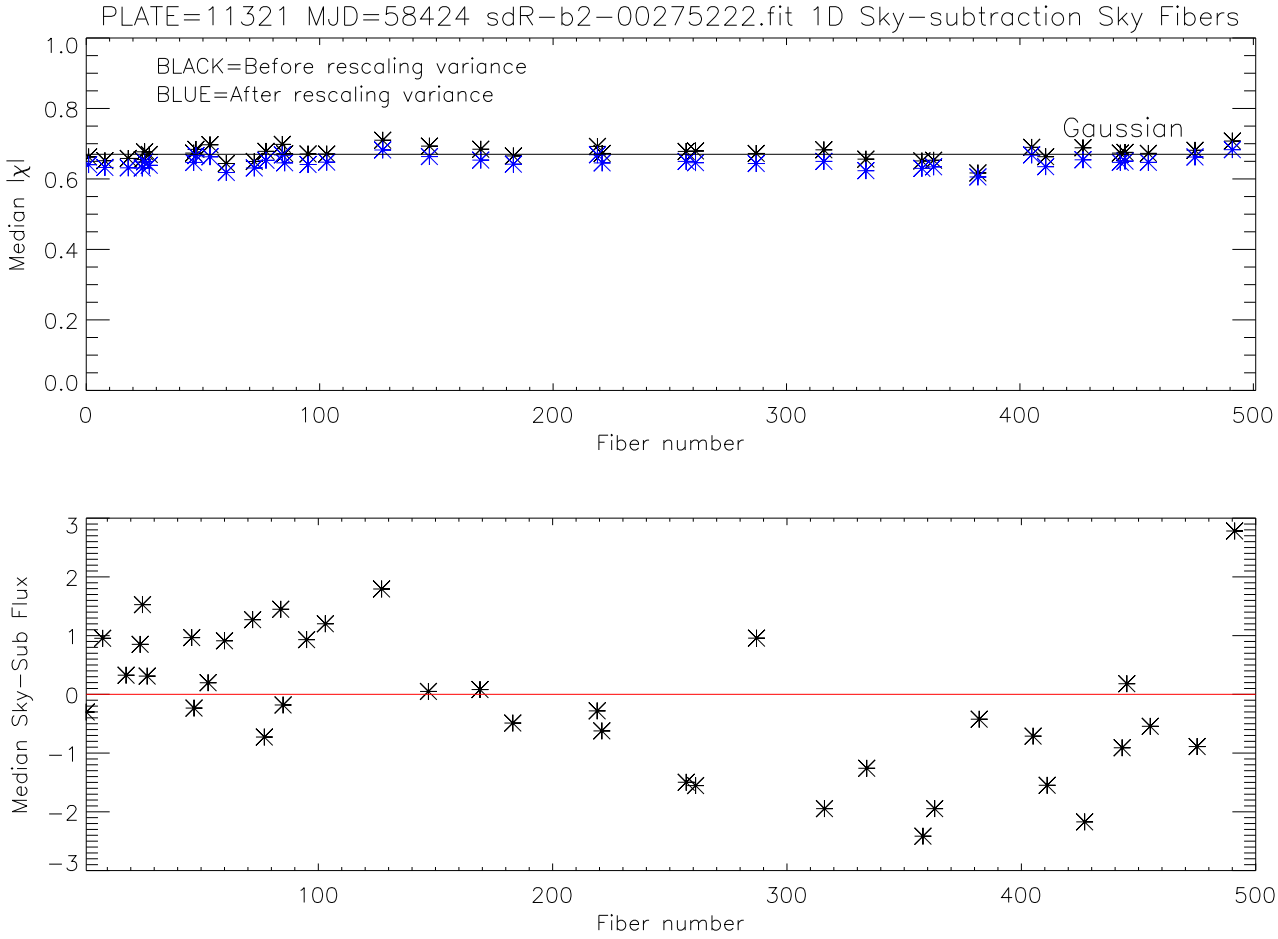

PLATE=11321 MJD=58424 sdR-b2-00275221.fit Skyline Flux at 5578.9
Flux (5578.9)/Airmass
RED = sky fiber
Dispersion = 27.90 %
Fiber number
Focal Distance [mm]
Airmass

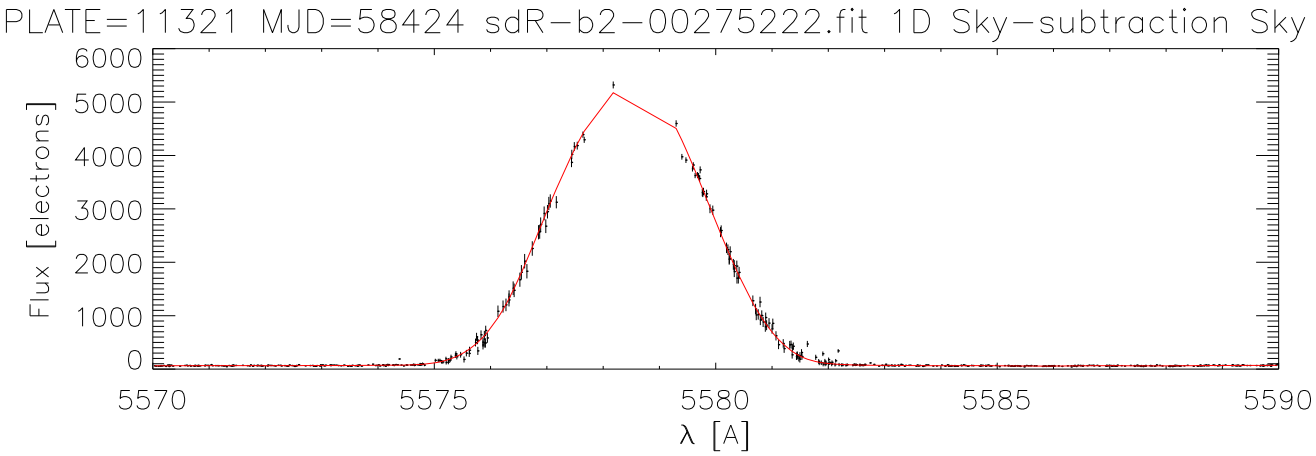

PLATE=11321 MJD=58424 Fiber−Flats for sdR−b2−00275219.fit
BLACK = Median value
ENVELOPE = 95% of points
GREEN = Outlier points
Min value = 0.332
Max value = 1.513
Fiber−Flat
1.5
1.0
0.5
0.0
3000
4000
5000
6000
7000
λ [A]
Mon May 11 17:35:12 2020

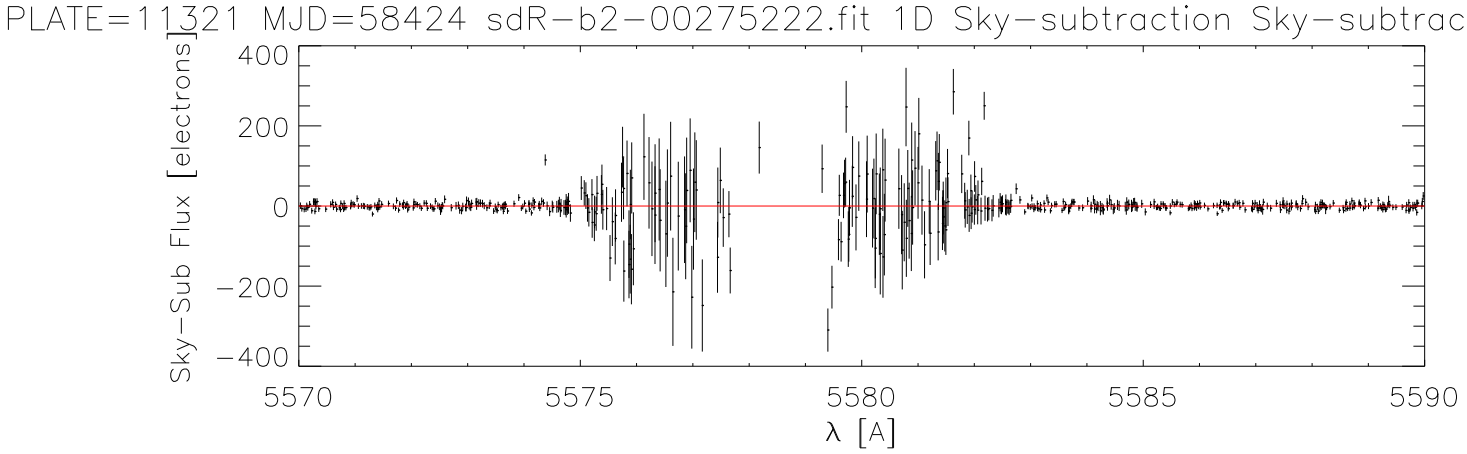

PLATE=11321 MJD=58424 Extraction chi^2 for sdR−b2−00275222.fit
BLACK = Final chisq extraction
χ^2
1.0
0.8
0.6
0.4
0.2
0.0
0
1000
2000
3000
4000
Row number


PLATE=11321 MJD=58424 Sky Line Deviations for sdR-b2-00275222.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

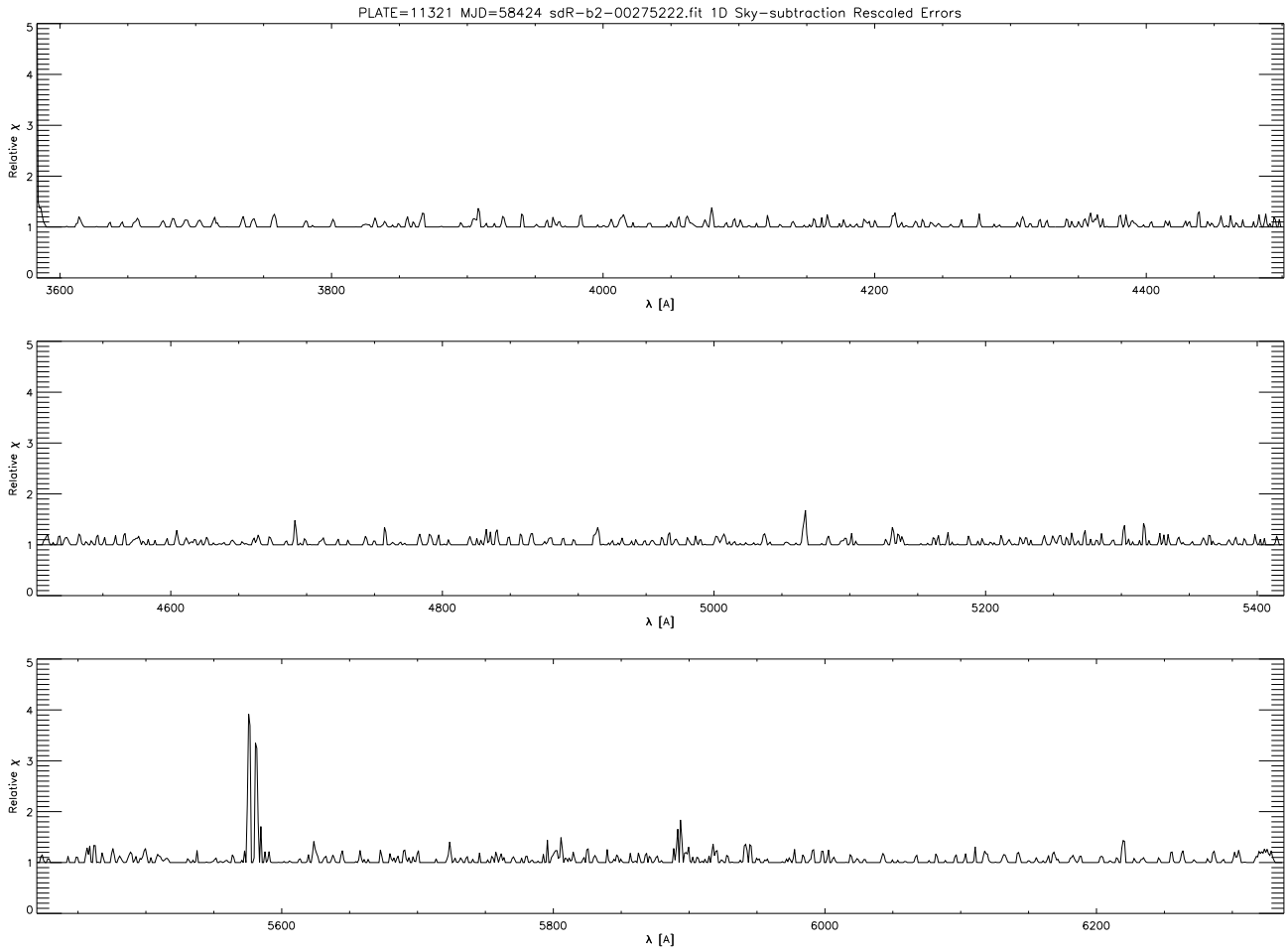

PLATE=11321 MJD=58424 Smooth superflat for sdR-b2-00275222.fit
2.0
1.5
1.0
0.5
0.0
1.04
1.02
1.00
0.98
0.96
3000
4000
5000
6000
7000
Wavelength (Å)

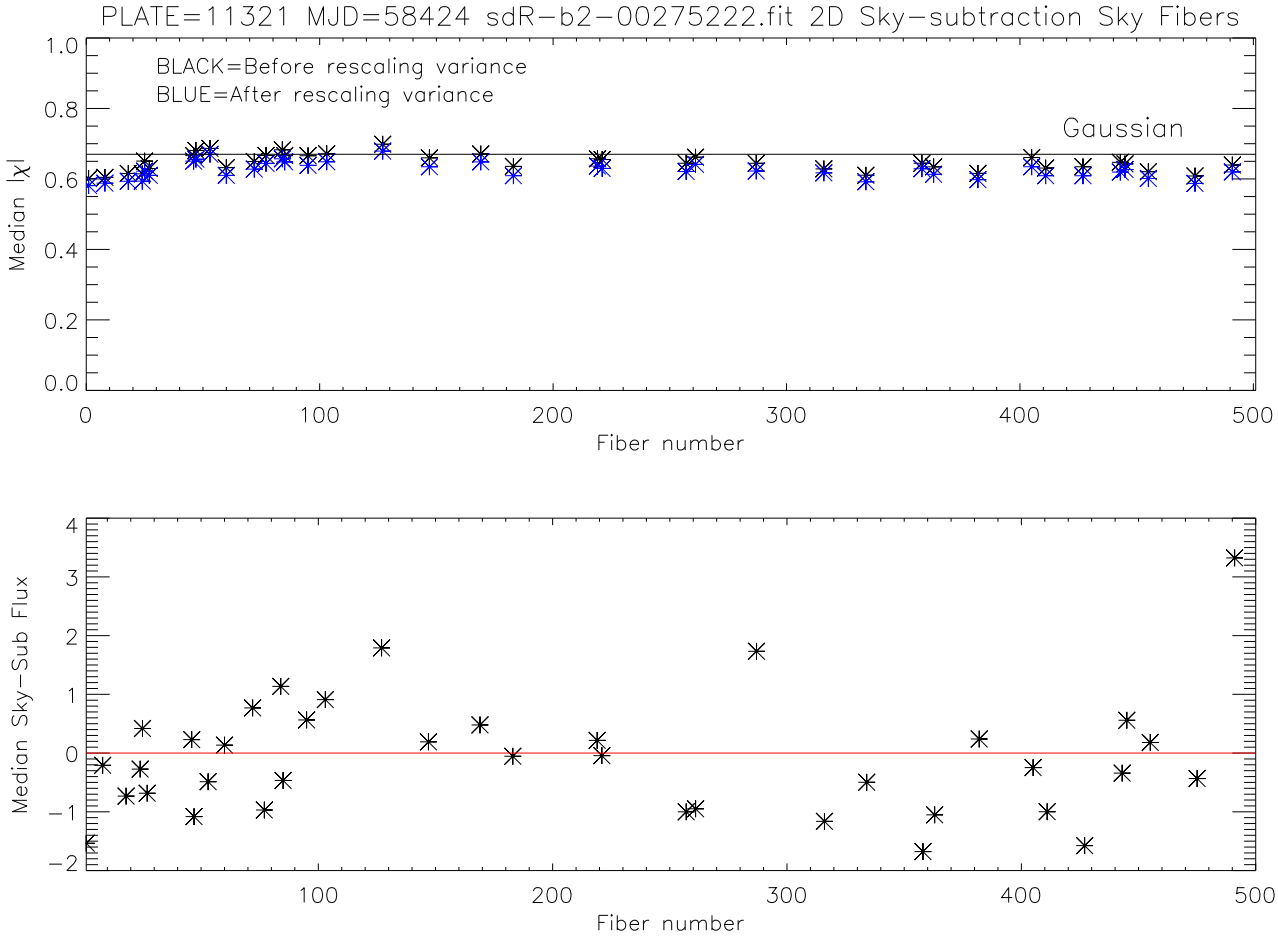

PLATE=11321 MJD=58424 sdR-b2-00275222.fit 1D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number


PLATE=11321 MJD=58424 sdR-b2-00275222.fit 1D Sky-subtraction Sky Fibers
Flux [electrons]
6000
5000
4000
3000
2000
1000
0
5570
5575
5580
5585
5590
λ [A]

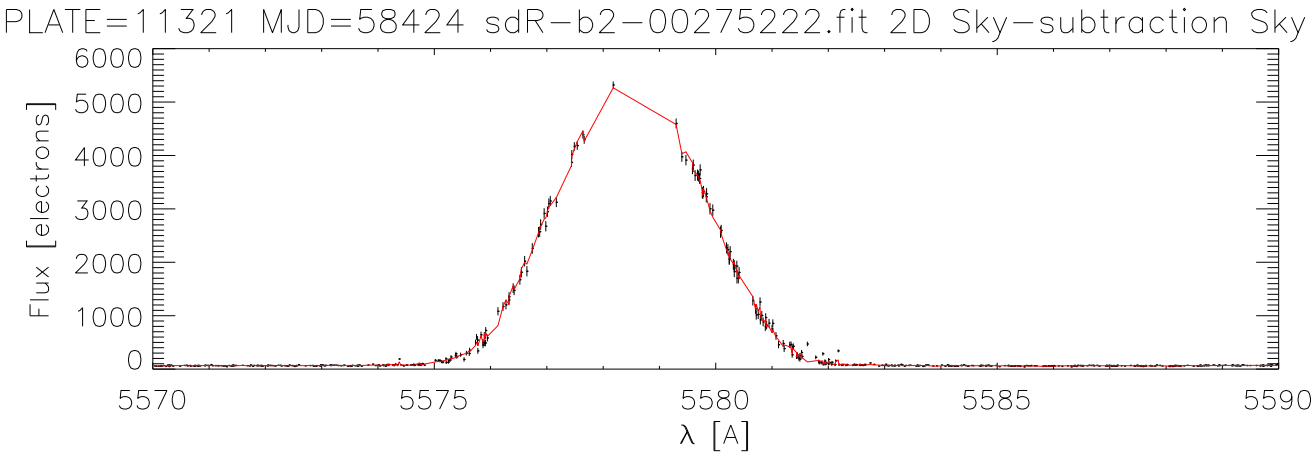

PLATE=11321 MJD=58424 sdR-b2-00275222.fit 1D Sky-subtraction Sky-subtracted Sky
Sky-Sub Flux [electrons]
400
200
0
-200
-400
5570
5575
5580
5585
5590
λ [A]

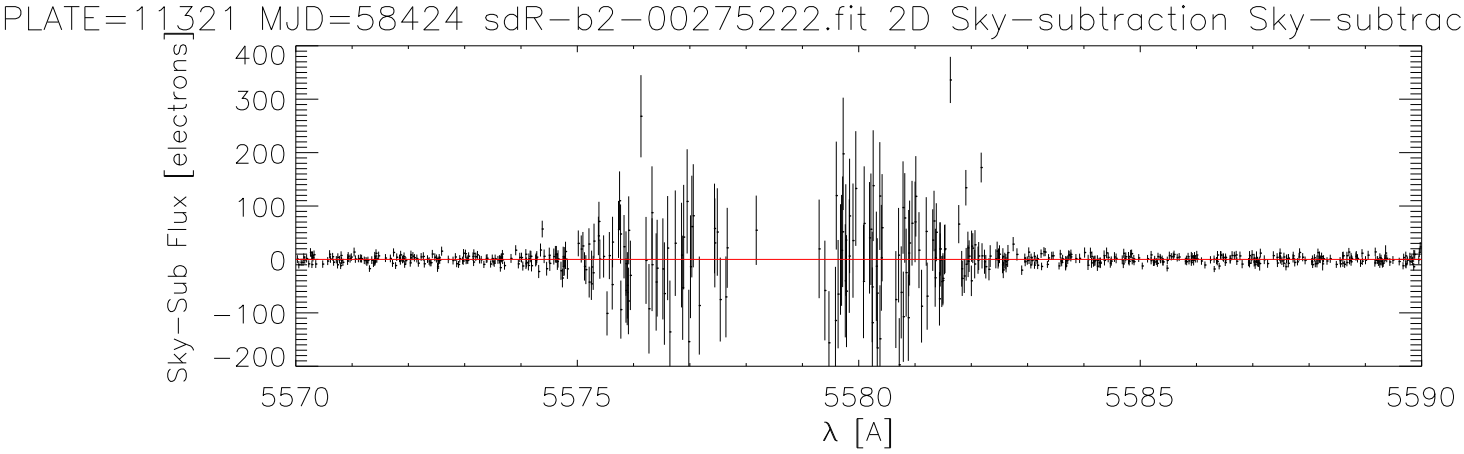
Number of sky fibers = 38



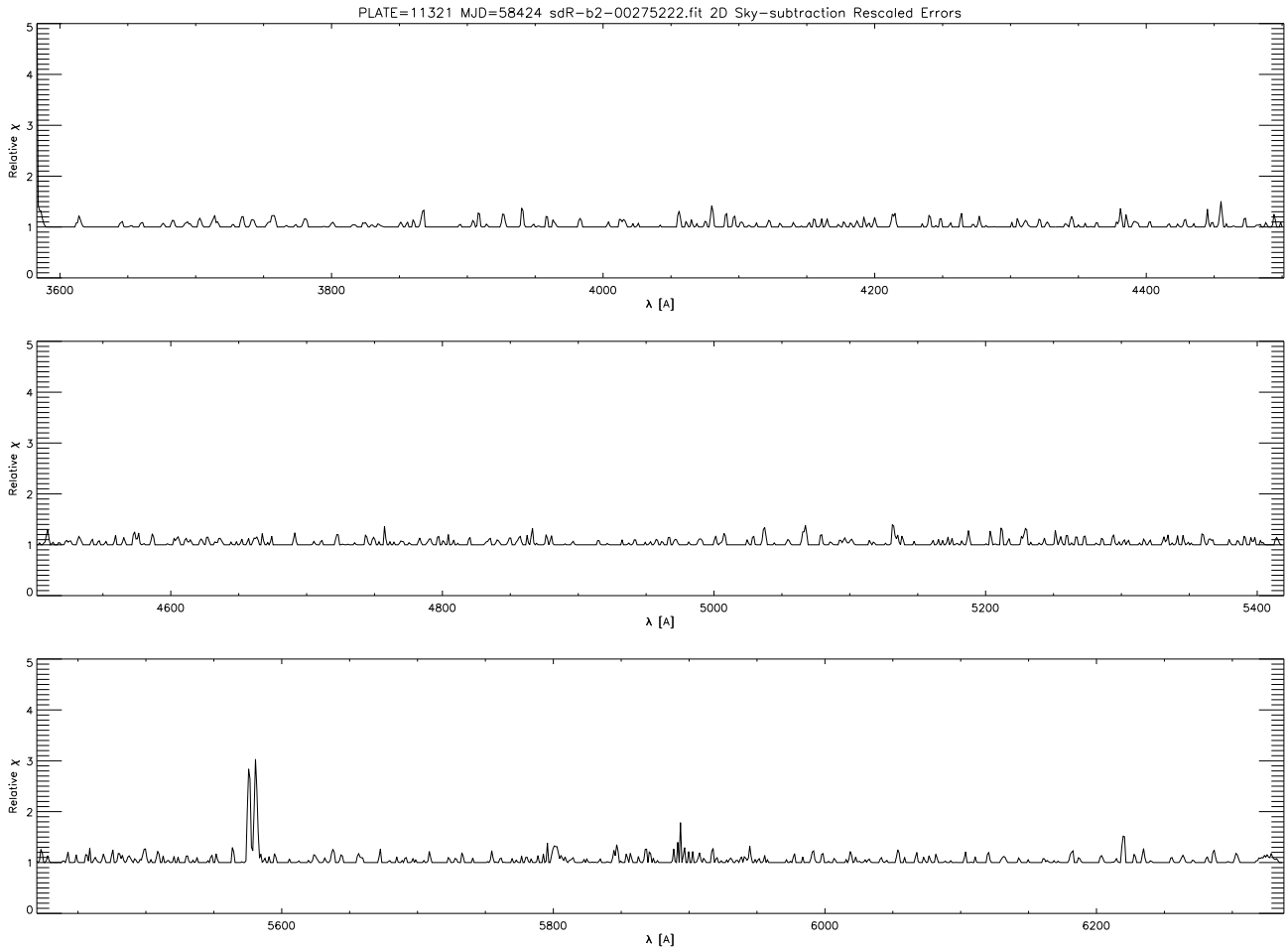

PLATE=11321 MJD=58424 sdR-b2-00275222.fit 2D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number

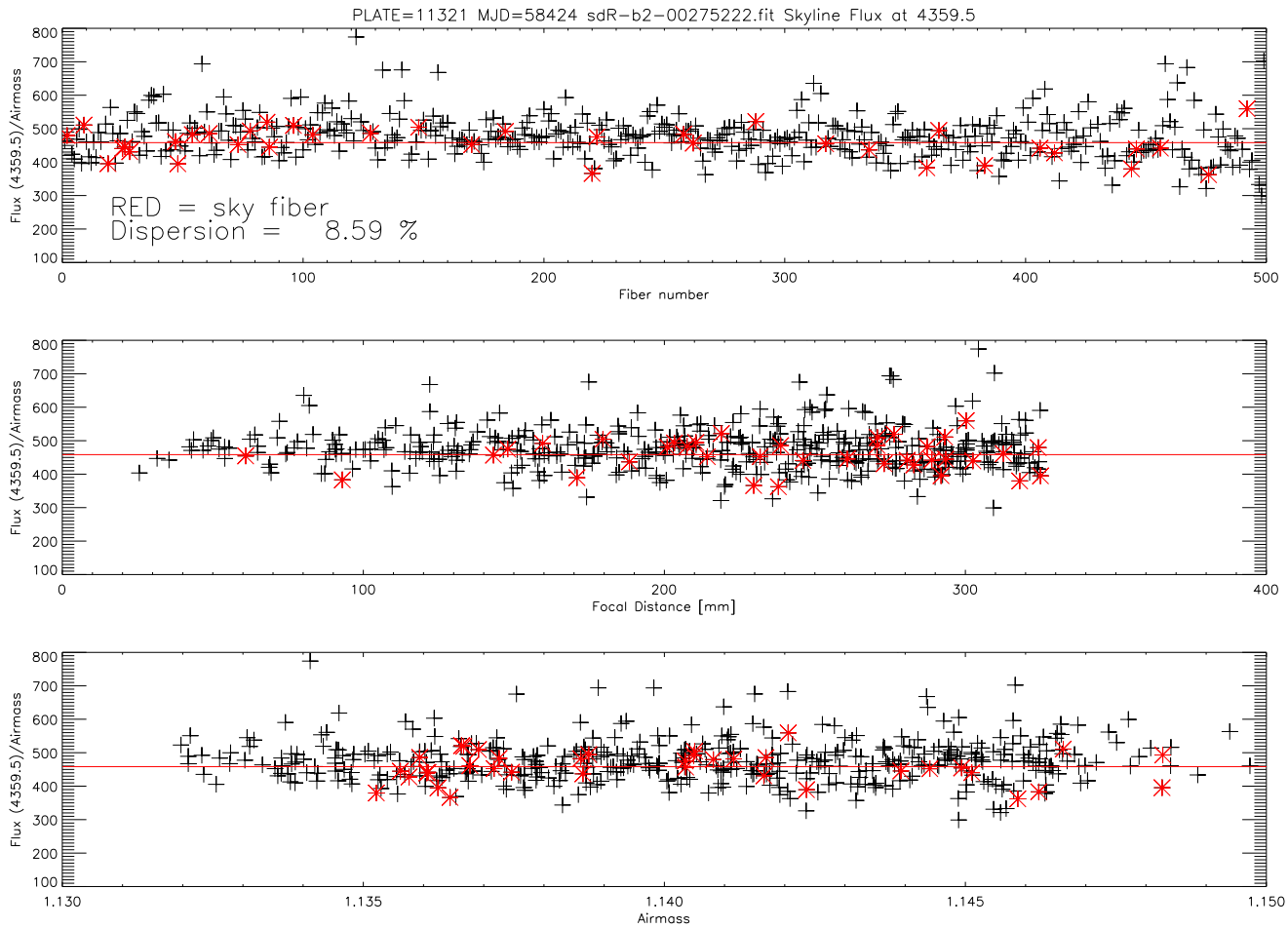
Median Sky-Sub Flux
Fiber number

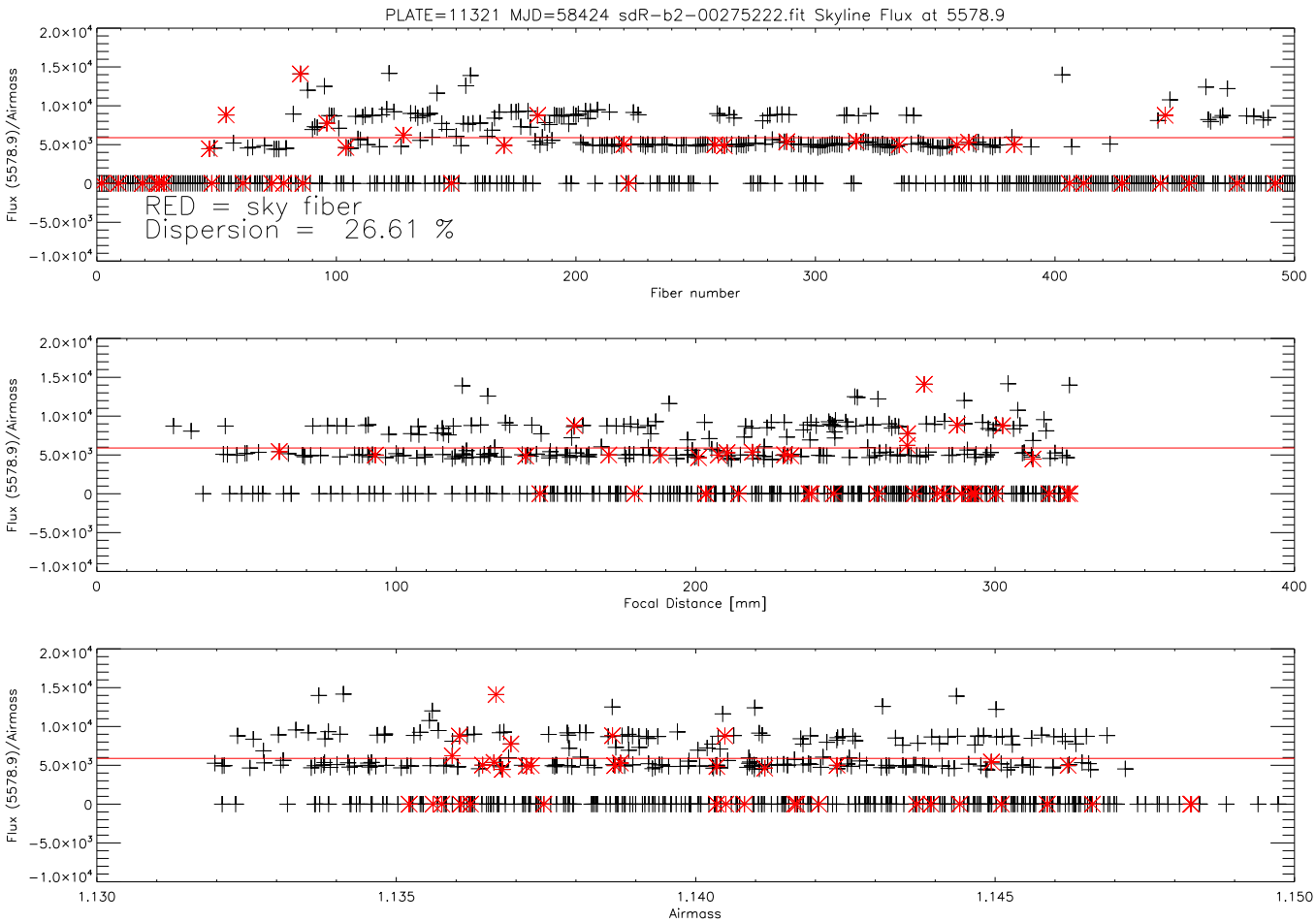

PLATE=11321 MJD=58424 sdR-b2-00275222.fit 2D Sky-subtraction Sky Fibers
Flux [electrons]
6000
5000
4000
3000
2000
1000
0
5570
5575
5580
5585
5590
λ [A]

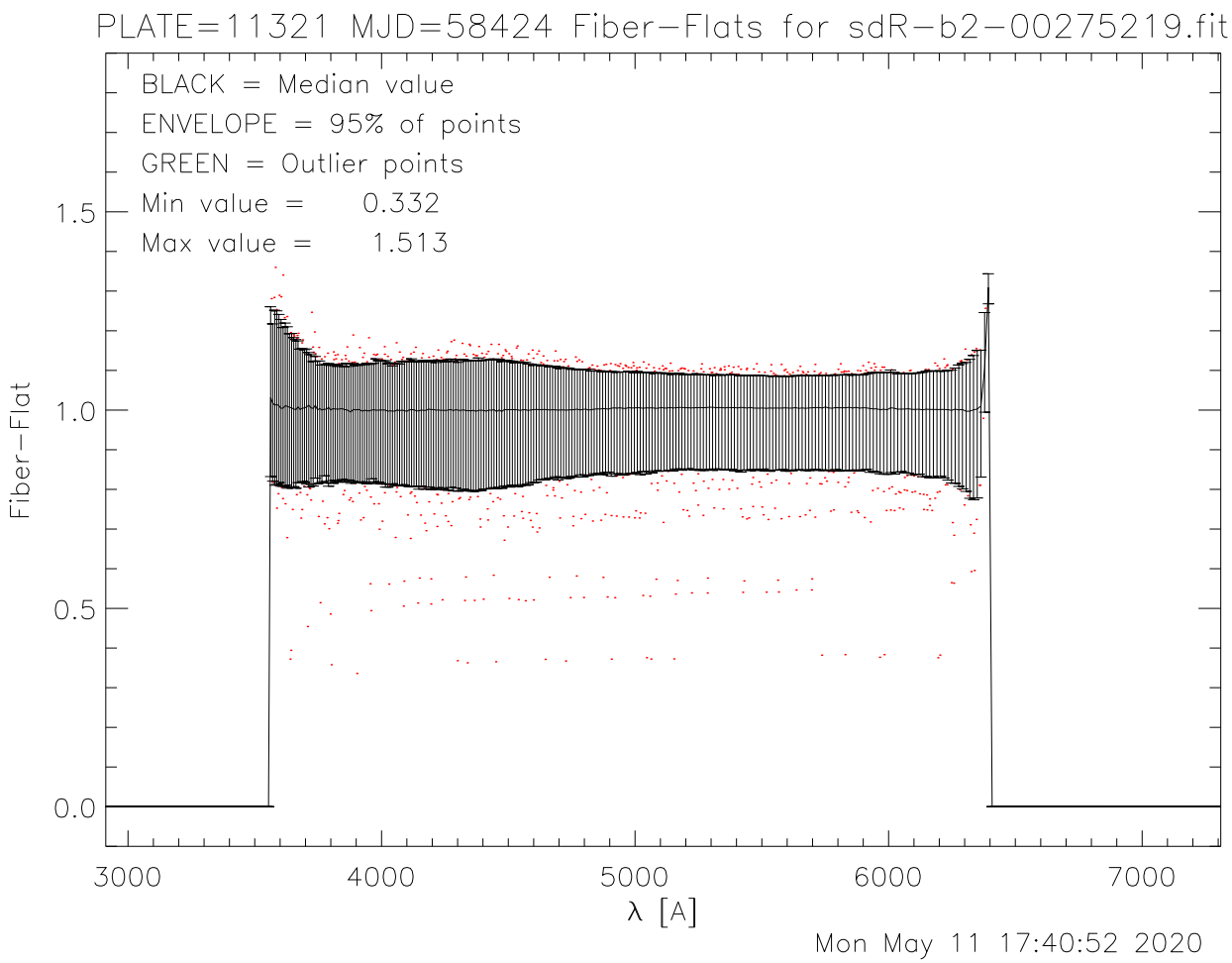

PLATE=11321 MJD=58424 sdR-b2-00275222.fit 2D Sky-subtraction Sky-subtracted Sky
Sky-Sub Flux [electrons]
400
300
200
100
0
-100
-200
5570
5575
5580
5585
5590
λ [A]

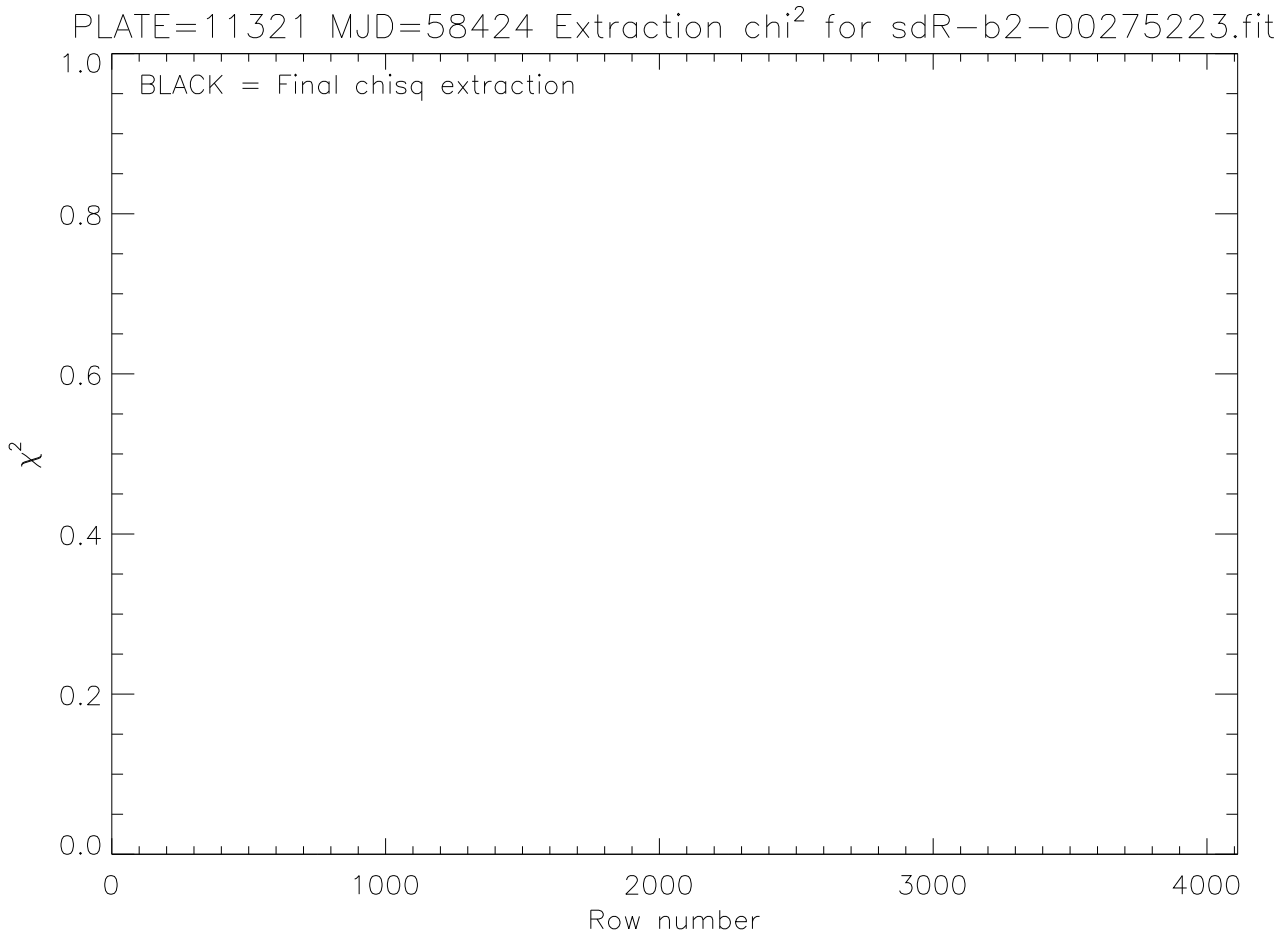
Number of sky fibers = 38

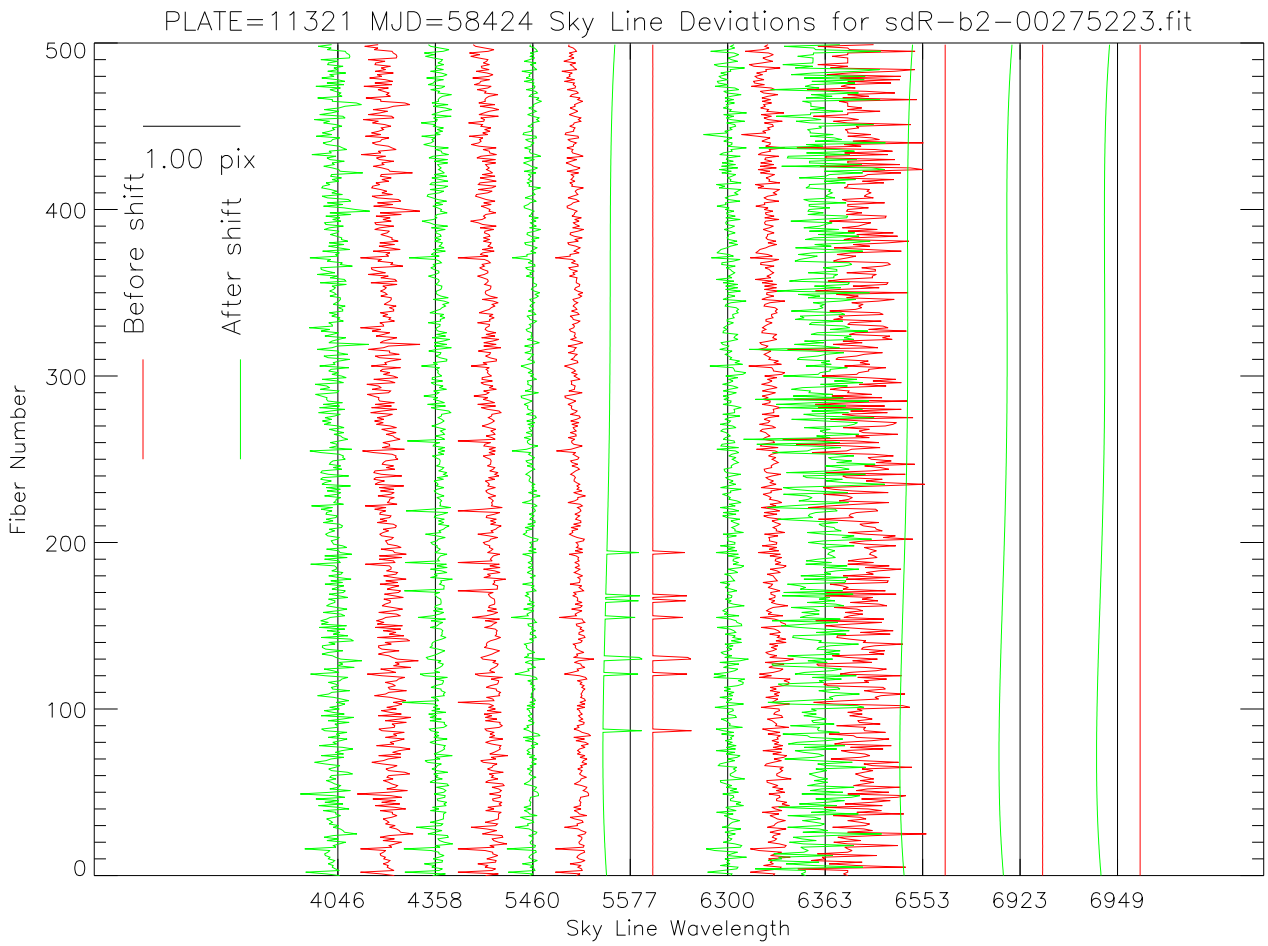


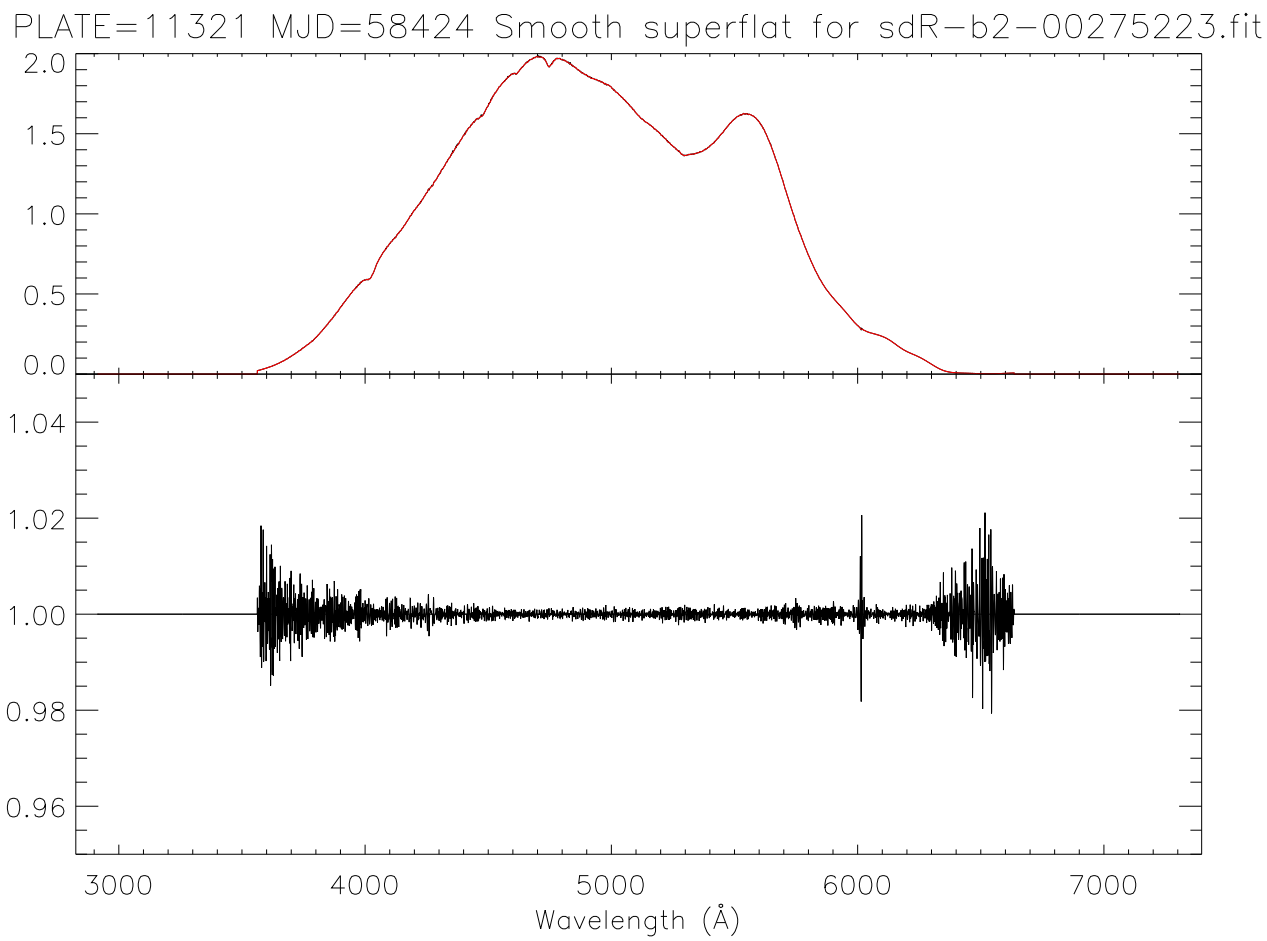

PLATE=11321 MJD=58424 sdR-b2-00275222.fit Skyline Flux at 4359.5
Flux (4359.5)/Airmass
RED = sky fiber
Dispersion = 8.59 %
Fiber number
Flux (4359.5)/Airmass
Focal Distance [mm]
Flux (4359.5)/Airmass
Airmass

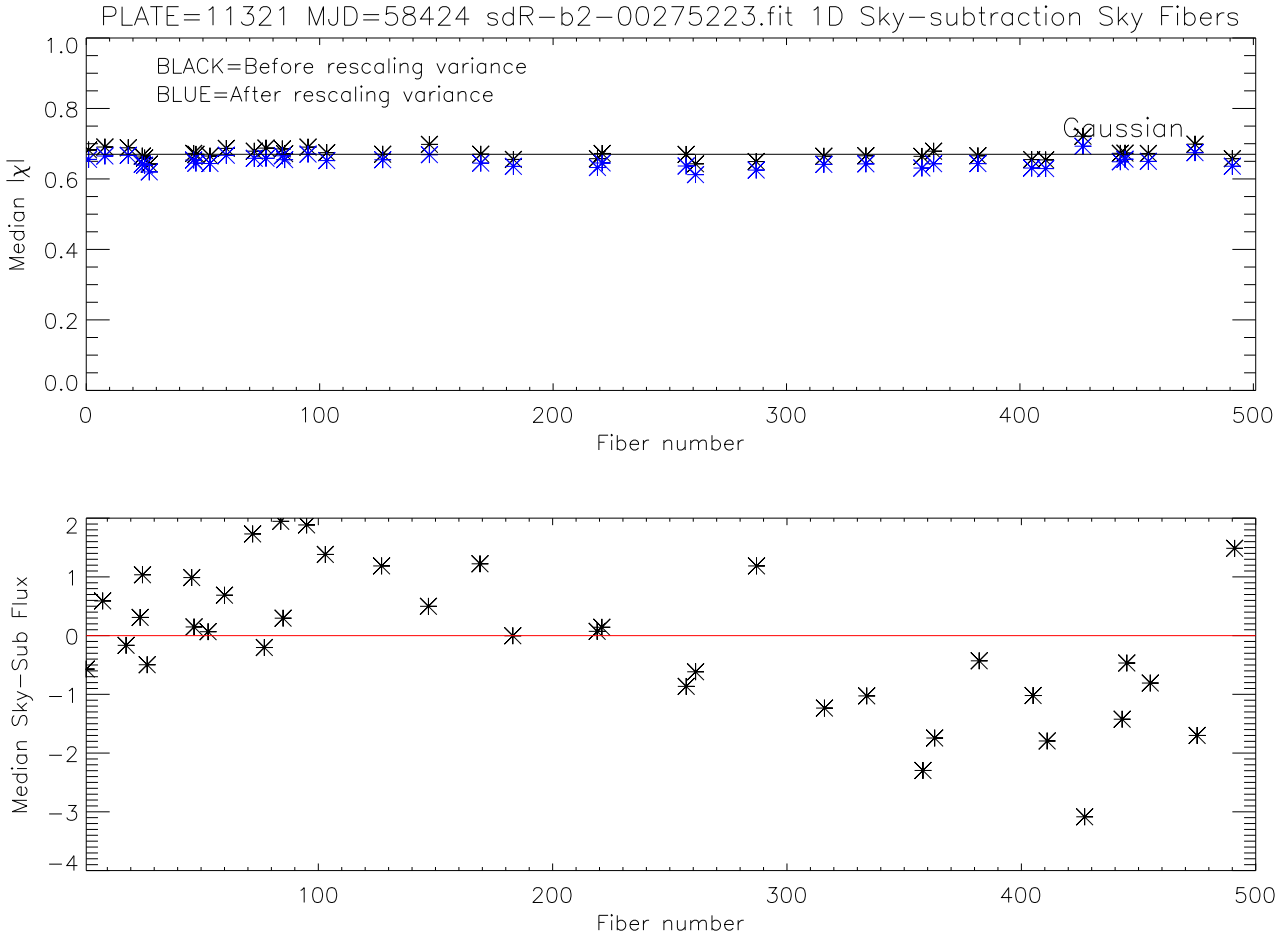

PLATE=11321 MJD=58424 sdR-b2-00275222.fit Skyline Flux at 5578.9
Flux (5578.9)/Airmass
RED = sky fiber
Dispersion = 26.61 %
Fiber number
Focal Distance [mm]
Airmass

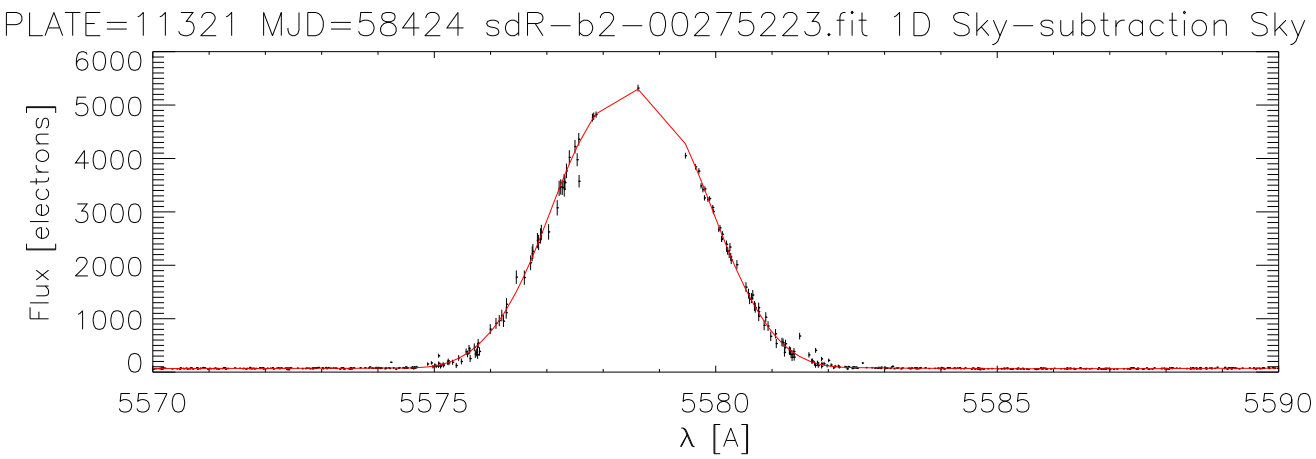

PLATE=11321 MJD=58424 Fiber−Flats for sdR−b2−00275219.fit
BLACK = Median value
ENVELOPE = 95% of points
GREEN = Outlier points
Min value = 0.332
Max value = 1.513
Fiber−Flat
1.5
1.0
0.5
0.0
3000
4000
5000
6000
7000
λ [A]
Mon May 11 17:40:52 2020

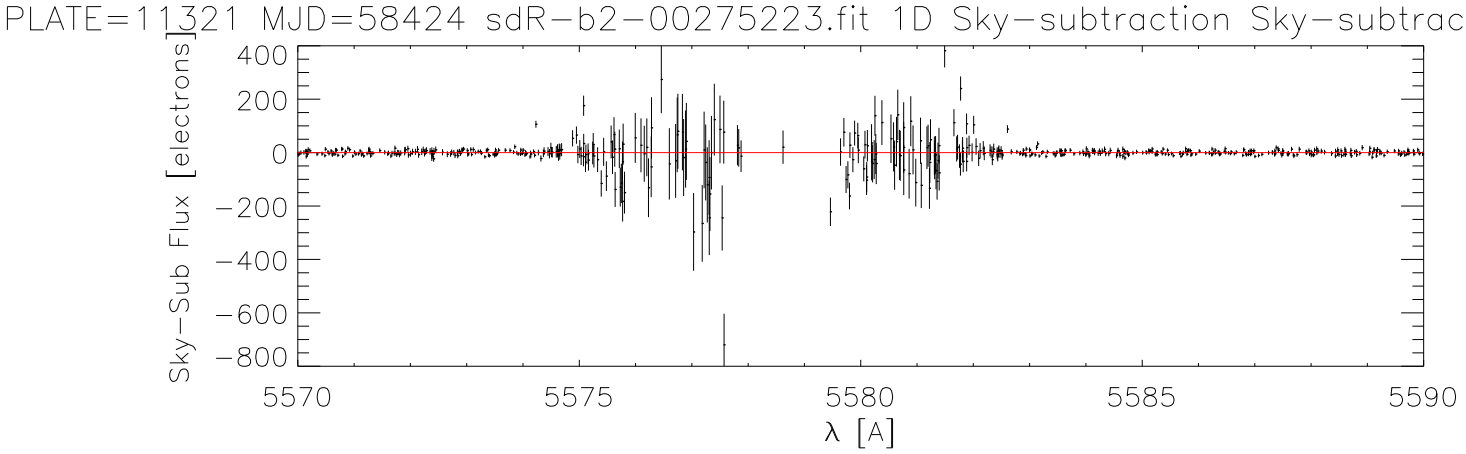

PLATE=11321 MJD=58424 Extraction chi^2 for sdR−b2−00275223.fit
BLACK = Final chisq extraction
χ^2
1.0
0.8
0.6
0.4
0.2
0.0
0
1000
2000
3000
4000
Row number


PLATE=11321 MJD=58424 Sky Line Deviations for sdR-b2-00275223.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

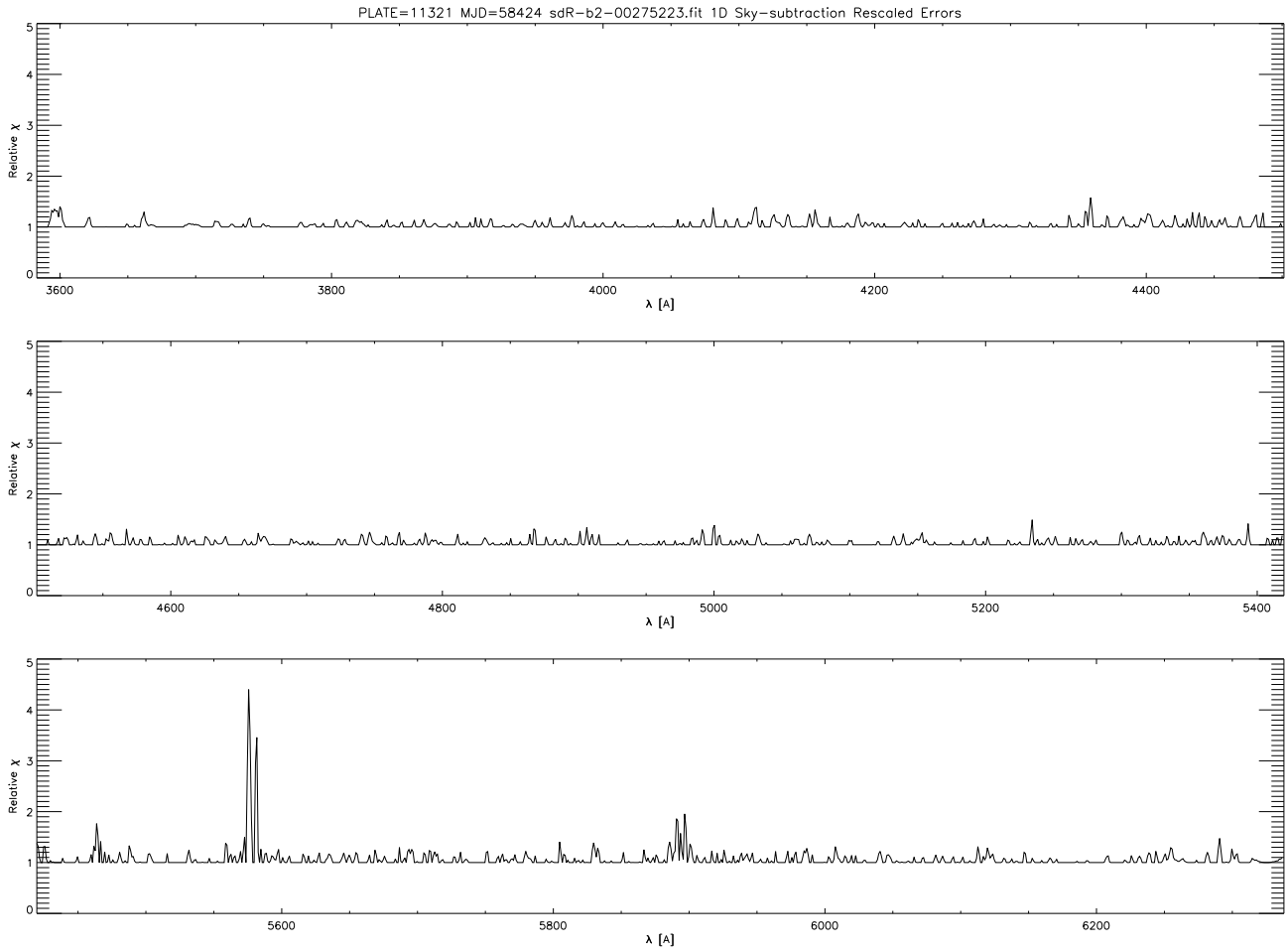

PLATE=11321 MJD=58424 Smooth superflat for sdR-b2-00275223.fit
2.0
1.5
1.0
0.5
0.0
1.04
1.02
1.00
0.98
0.96
3000
4000
5000
6000
7000
Wavelength (Å)

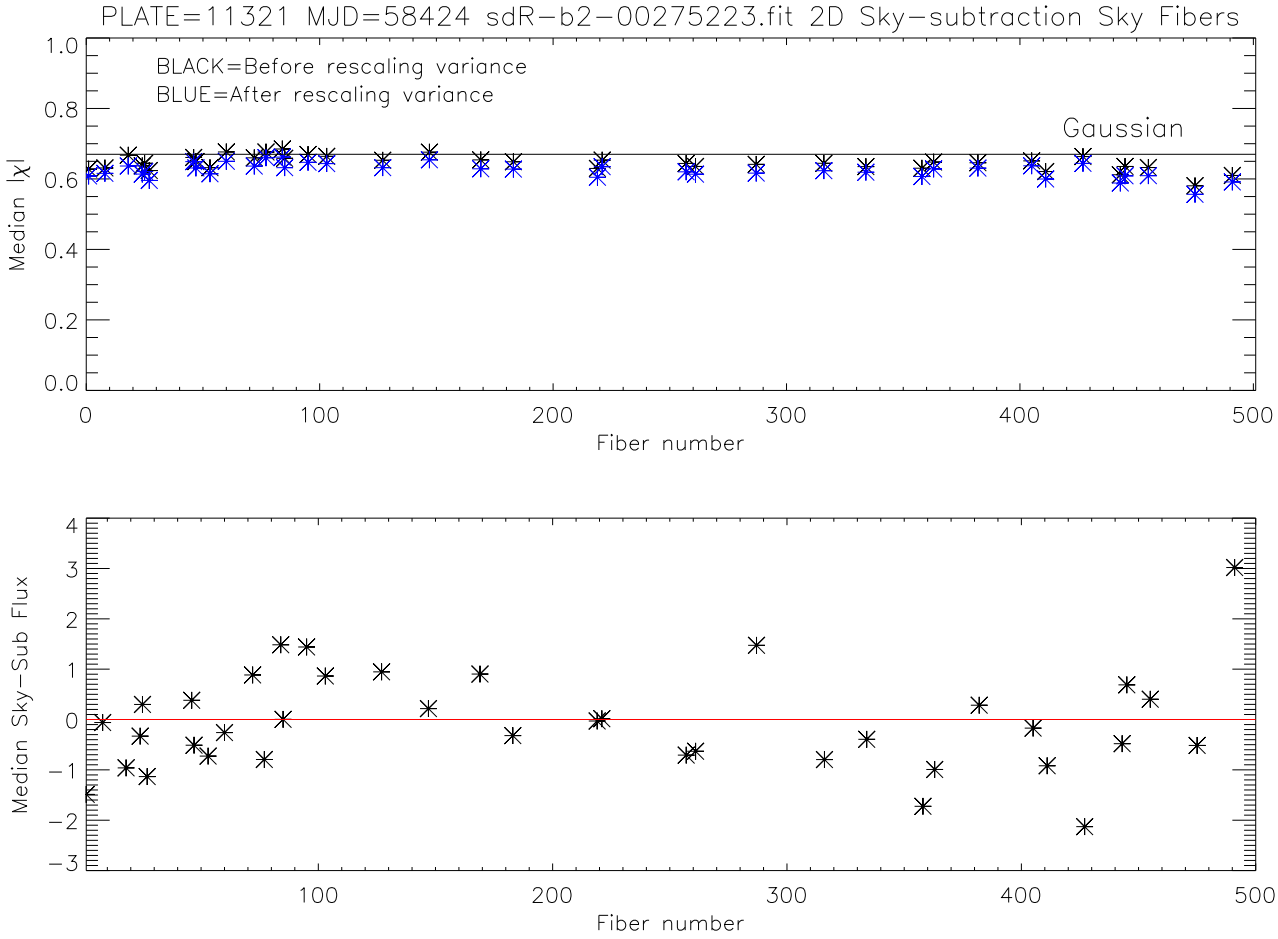

PLATE=11321 MJD=58424 sdR-b2-00275223.fit 1D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

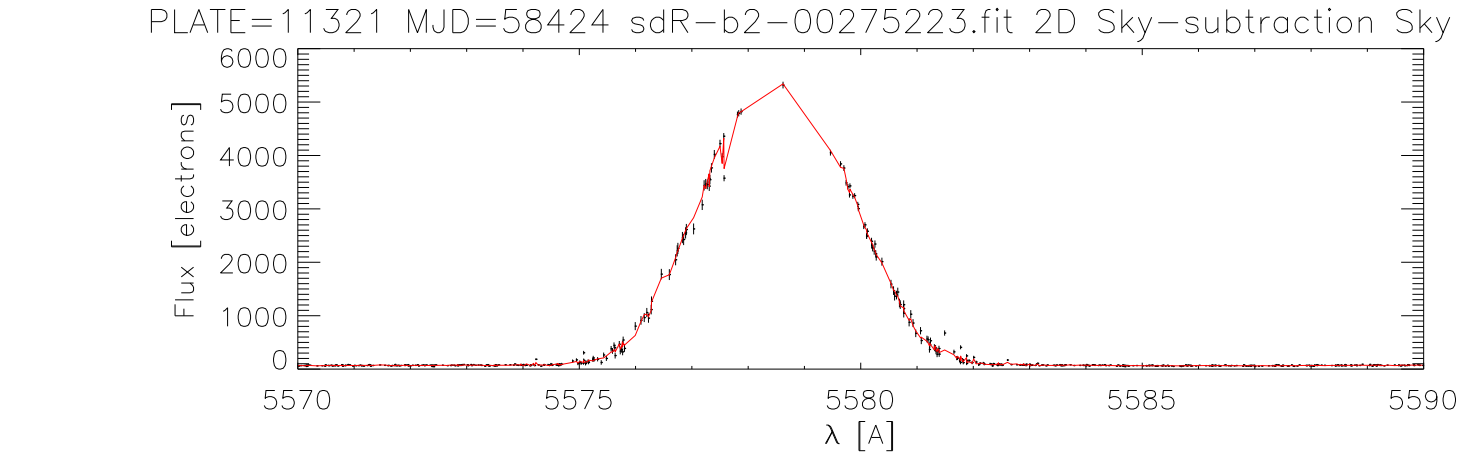

PLATE=11321 MJD=58424 sdR-b2-00275223.fit 1D Sky-subtraction Sky Fibers
Flux [electrons]
6000
5000
4000
3000
2000
1000
0
5570
5575
5580
5585
5590
λ [A]

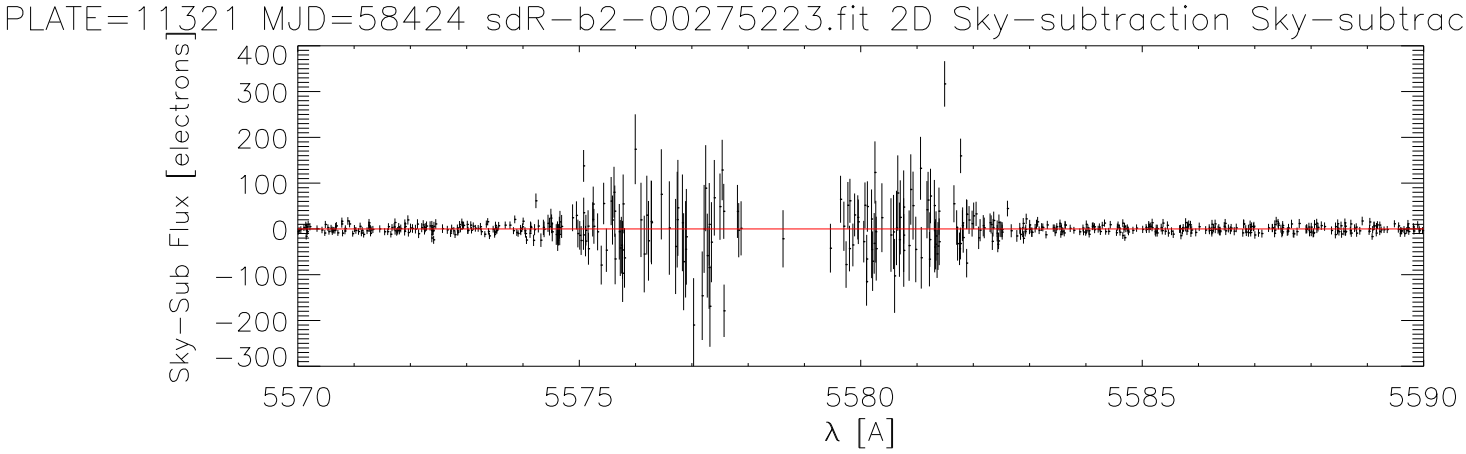

PLATE=11321 MJD=58424 sdR-b2-00275223.fit 1D Sky-subtraction Sky-subtracted Sky
Sky-Sub Flux [electrons]
400
200
0
-200
-400
-600
-800
5570
5575
5580
5585
5590
λ [A]

Number of sky fibers = 38

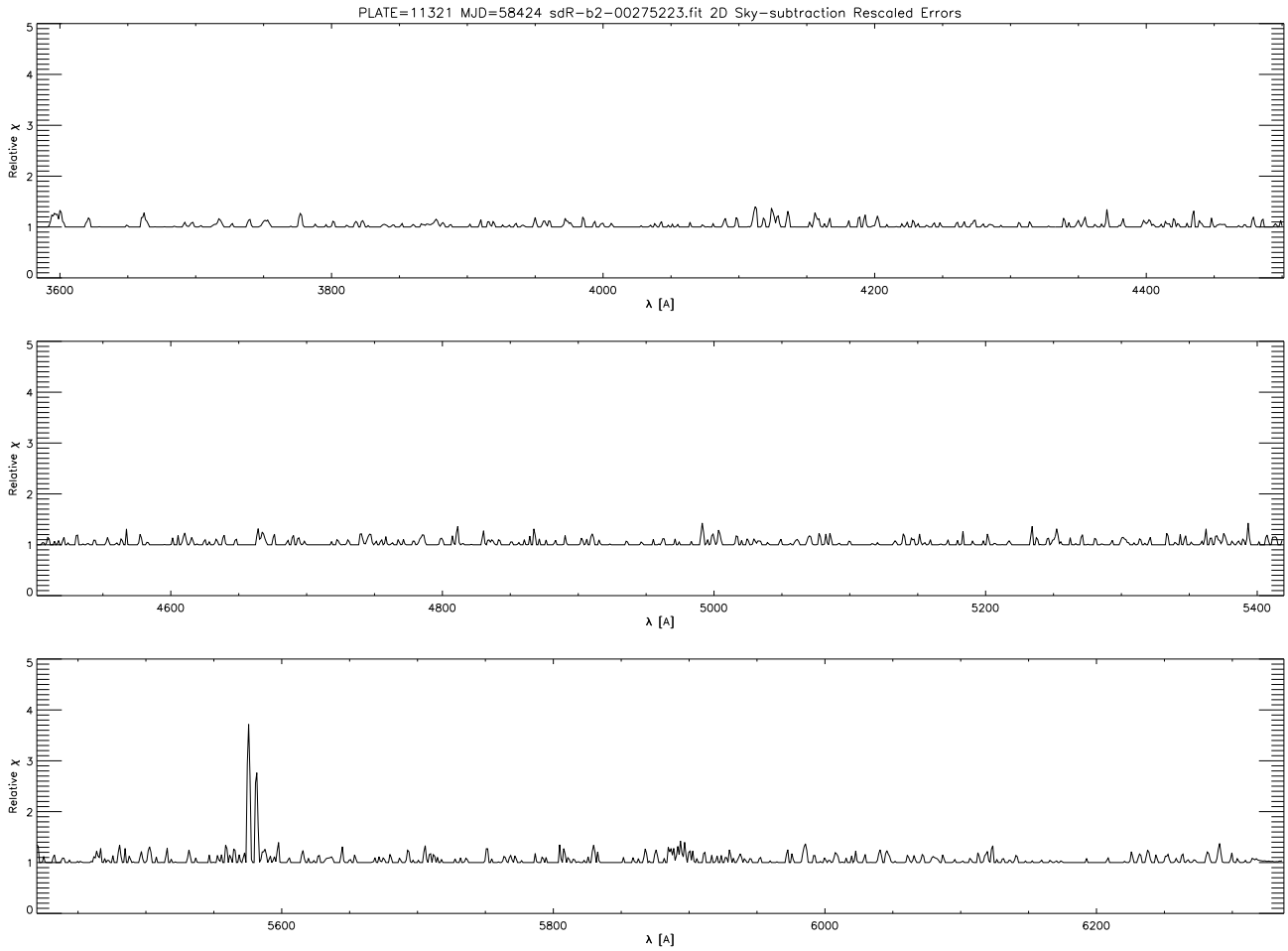


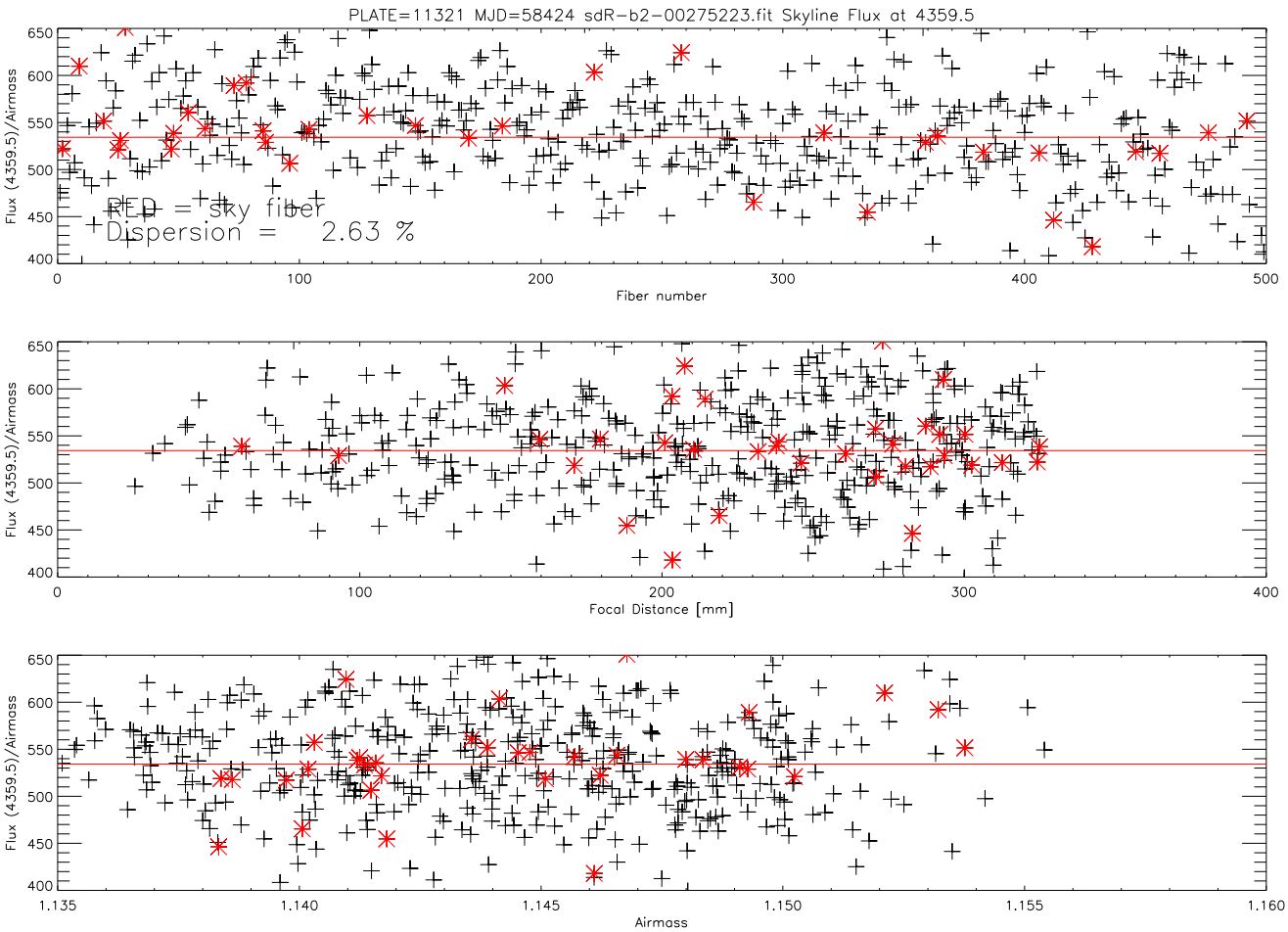

PLATE=11321 MJD=58424 sdR-b2-00275223.fit 2D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

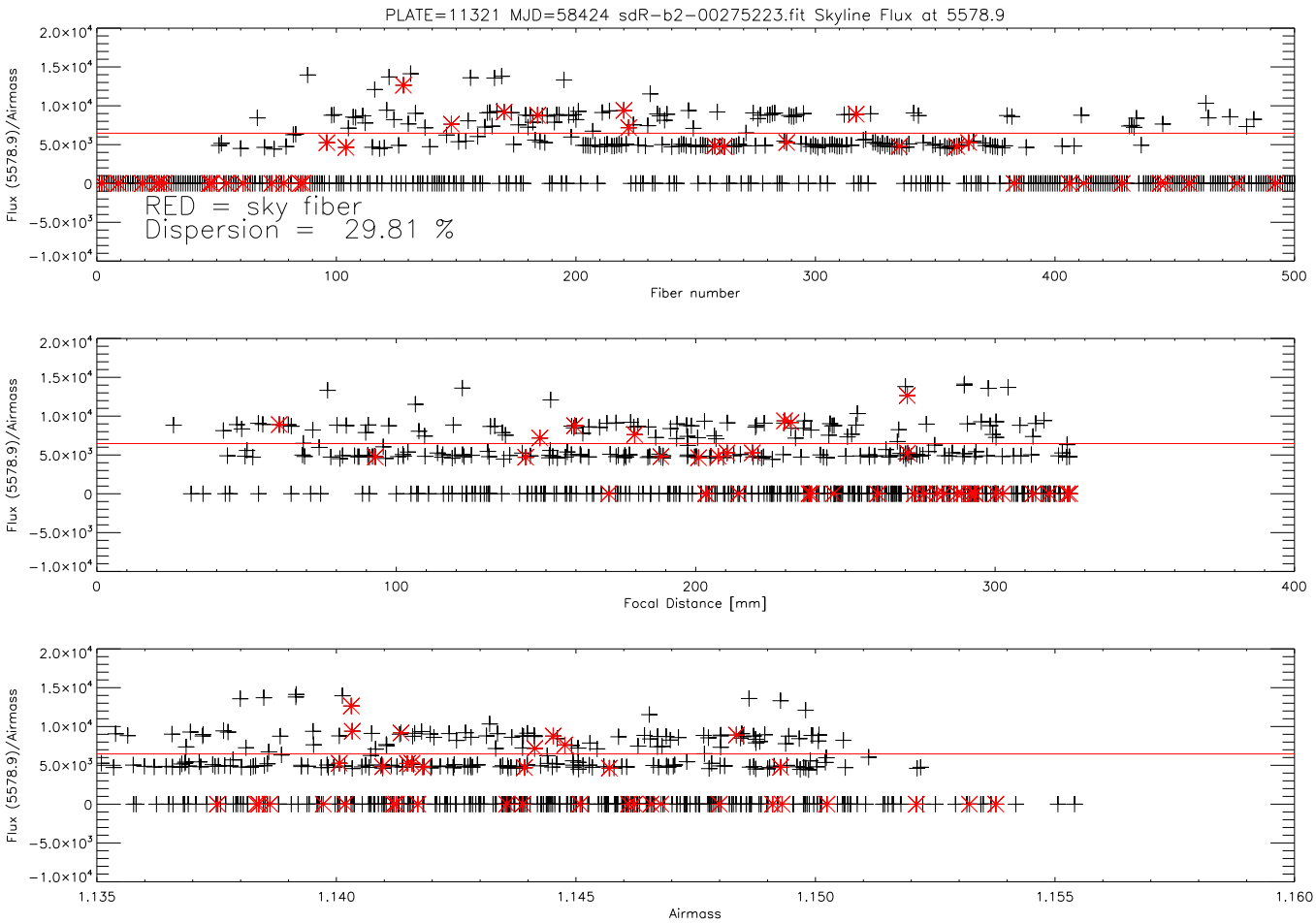

PLATE=11321 MJD=58424 sdR-b2-00275223.fit 2D Sky-subtraction Sky Fibers
Flux [electrons]
6000
5000
4000
3000
2000
1000
0
5570
5575
5580
5585
5590
λ [A]

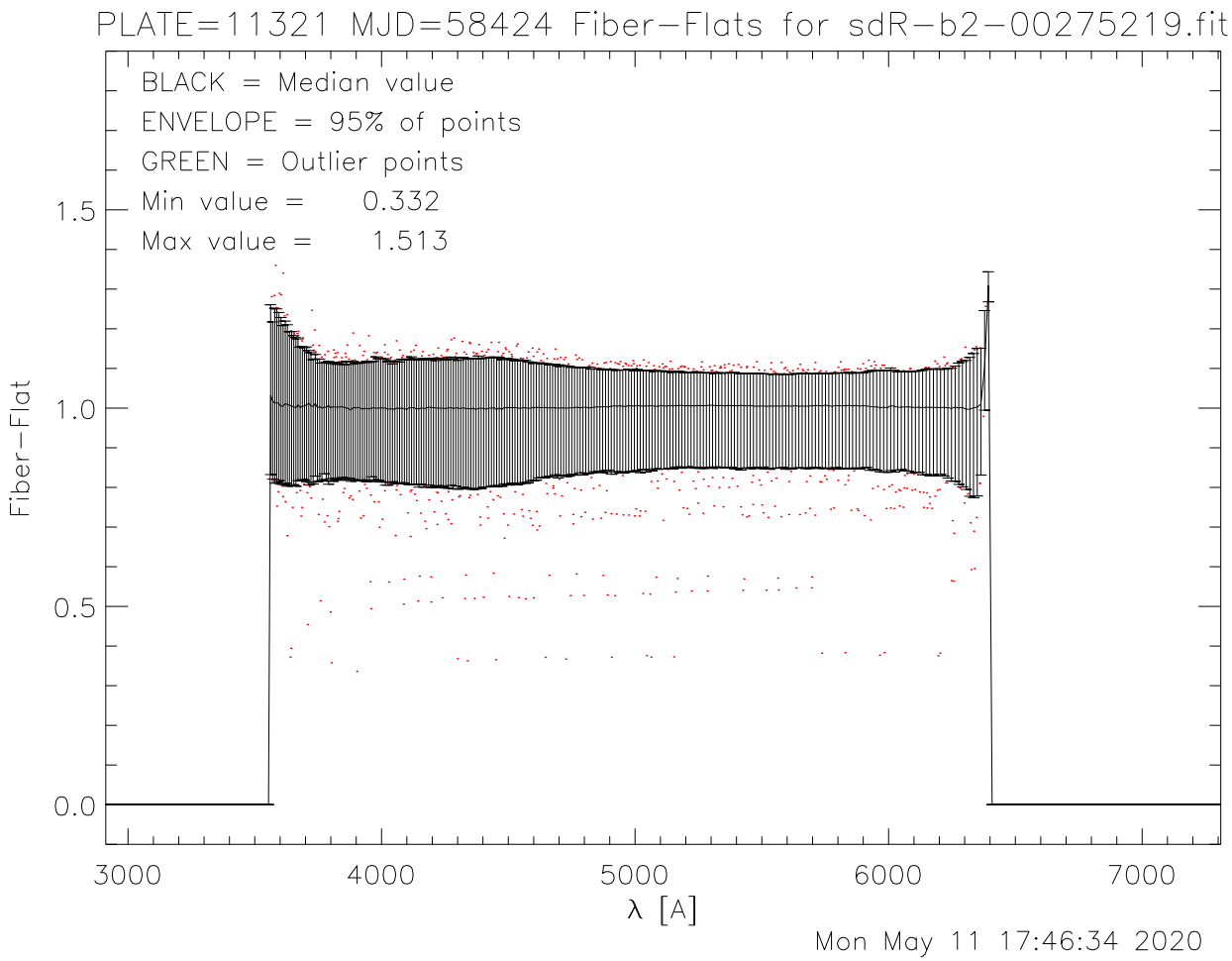

PLATE=11321 MJD=58424 sdR-b2-00275223.fit 2D Sky-subtraction Sky-subtracted Sky
Sky-Sub Flux [electrons]
400
300
200
100
0
-100
-200
-300
5570
5575
5580
5585
5590
λ [A]

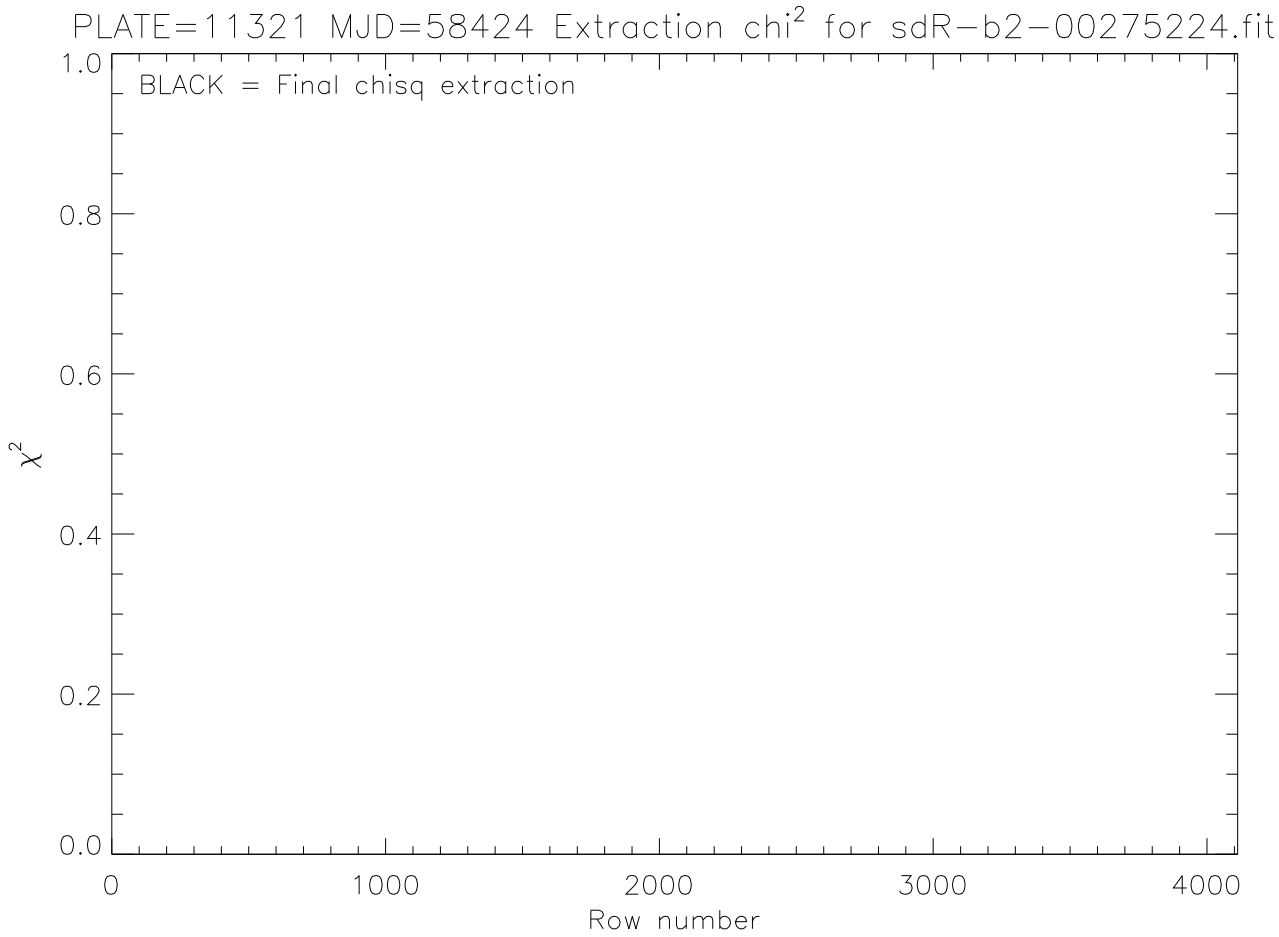
Number of sky fibers = 38

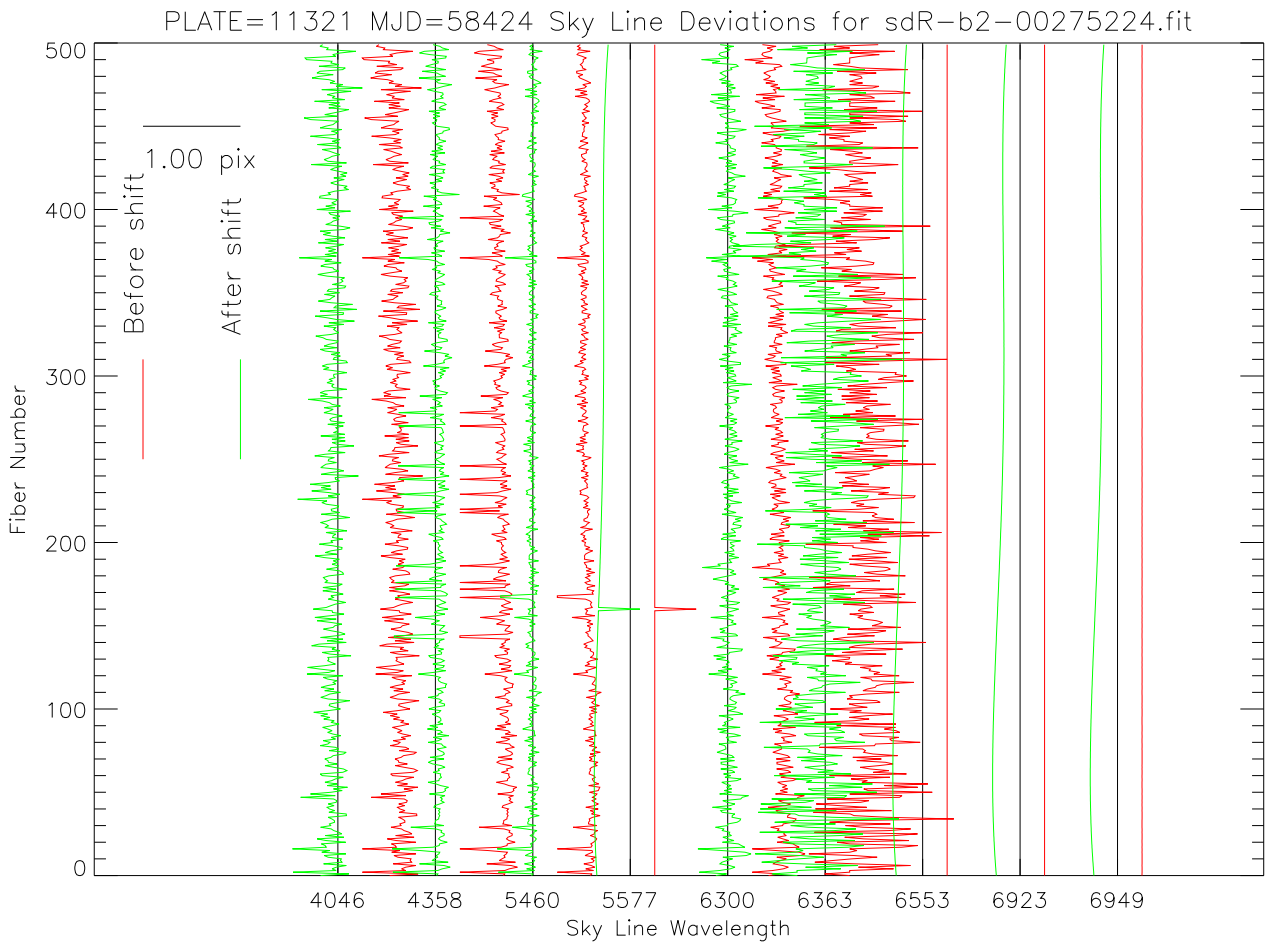


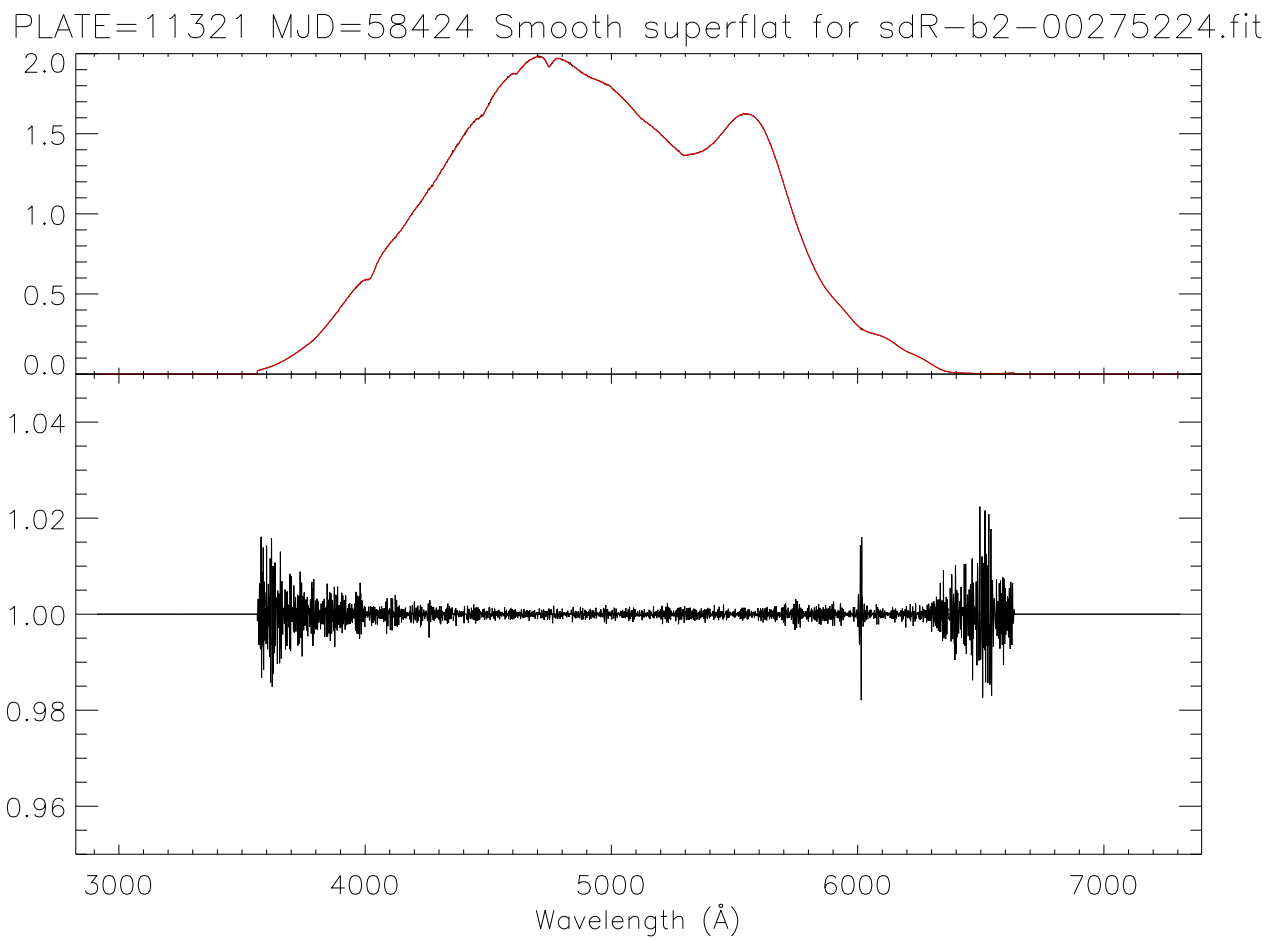

PLATE=11321 MJD=58424 sdR-b2-00275223.fit Skyline Flux at 4359.5
RED = sky fiber
Dispersion = 2.63 %
Flux (4359.5)/Airmass
Fiber number
Focal Distance [mm]
Airmass

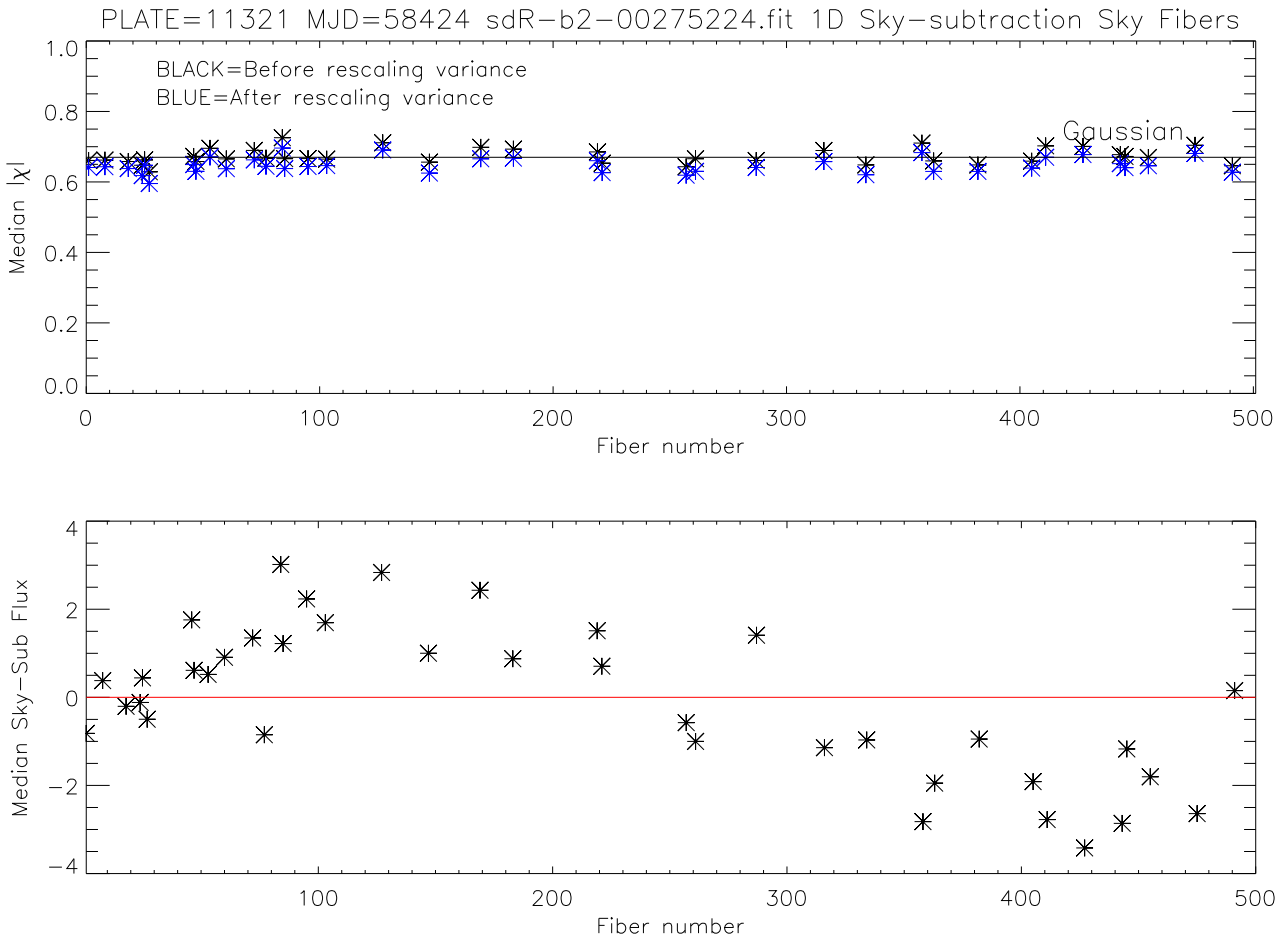

PLATE=11321 MJD=58424 sdR-b2-00275223.fit Skyline Flux at 5578.9
Flux (5578.9)/Airmass
RED = sky fiber
Dispersion = 29.81 %
Fiber number
Focal Distance [mm]
Airmass

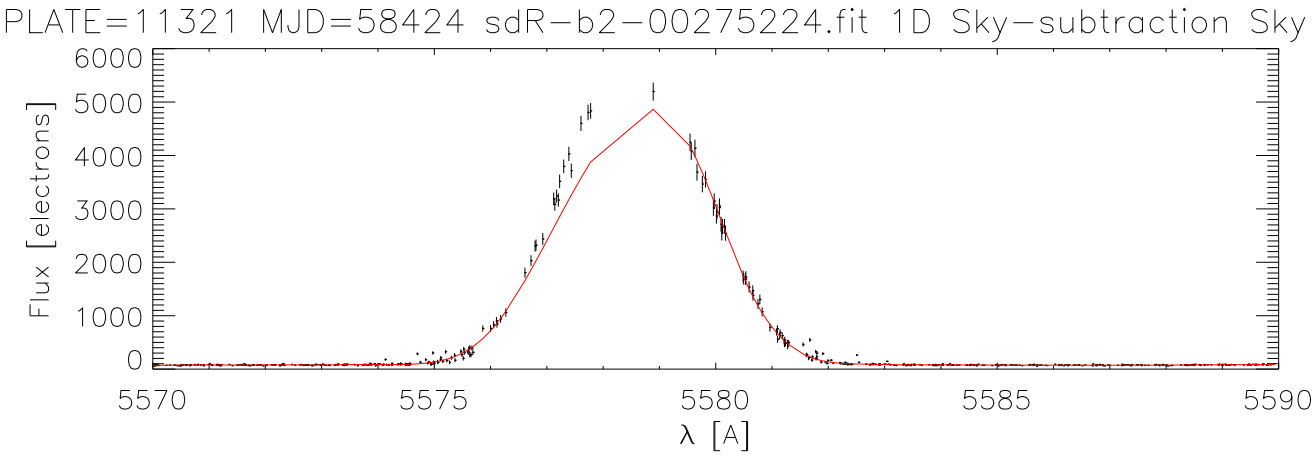

PLATE=11321 MJD=58424 Fiber−Flats for sdR−b2−00275219.fit
BLACK = Median value
ENVELOPE = 95% of points
GREEN = Outlier points
Min value = 0.332
Max value = 1.513
Fiber−Flat
1.5
1.0
0.5
0.0
3000
4000
5000
6000
7000
λ [A]
Mon May 11 17:46:34 2020

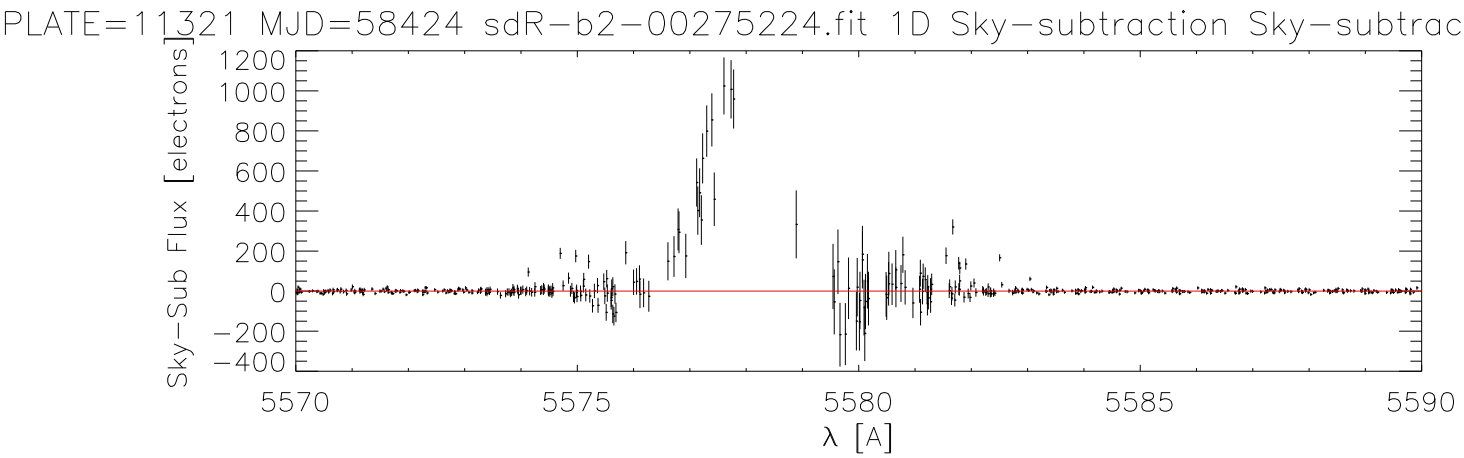

PLATE=11321 MJD=58424 Extraction chi^2 for sdR−b2−00275224.fit
BLACK = Final chisq extraction
χ^2
1.0
0.8
0.6
0.4
0.2
0.0
0
1000
2000
3000
4000
Row number


PLATE=11321 MJD=58424 Sky Line Deviations for sdR-b2-00275224.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

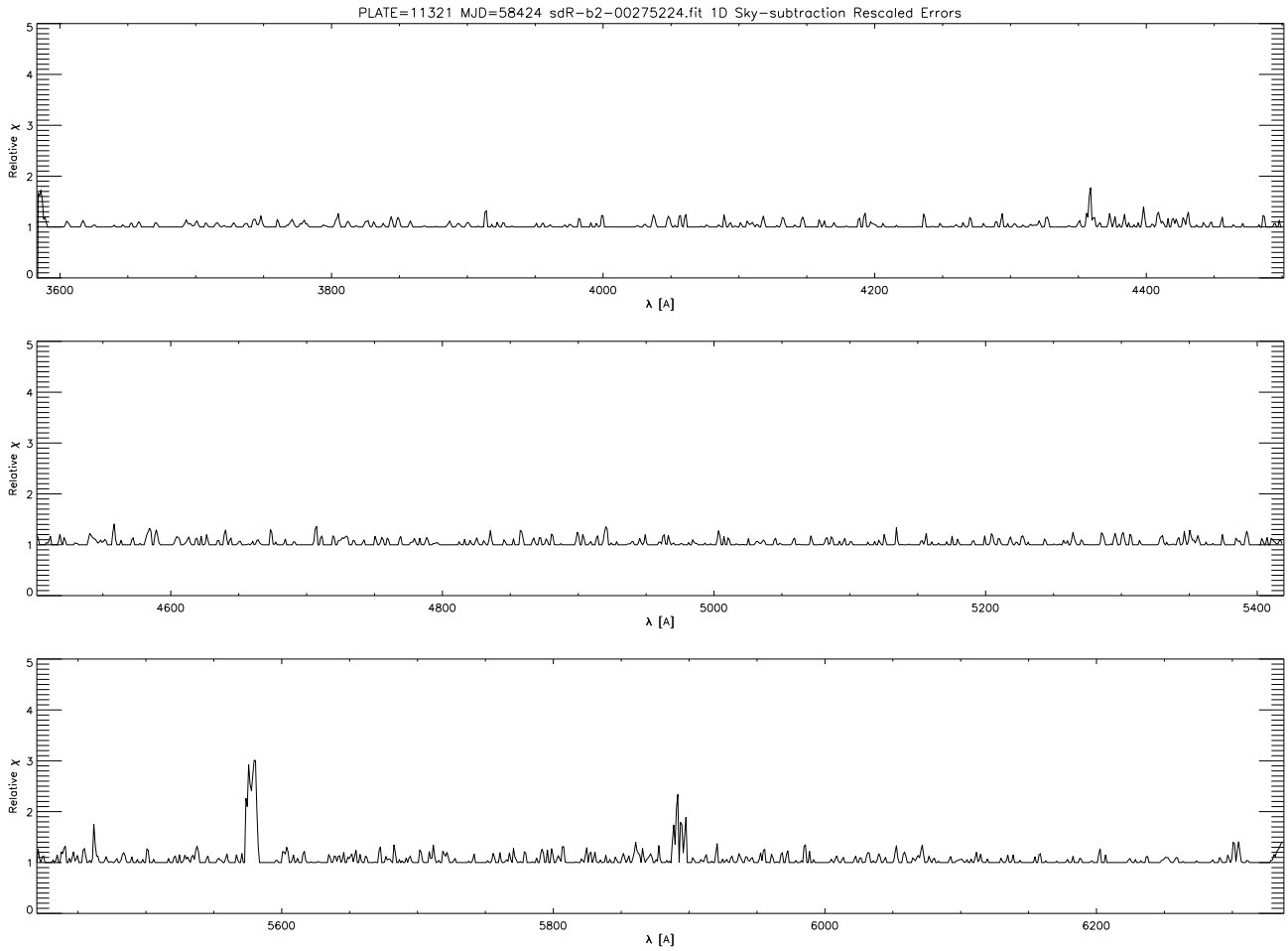

PLATE=11321 MJD=58424 Smooth superflat for sdR-b2-00275224.fit
2.0
1.5
1.0
0.5
0.0
1.04
1.02
1.00
0.98
0.96
3000
4000
5000
6000
7000
Wavelength (Å)

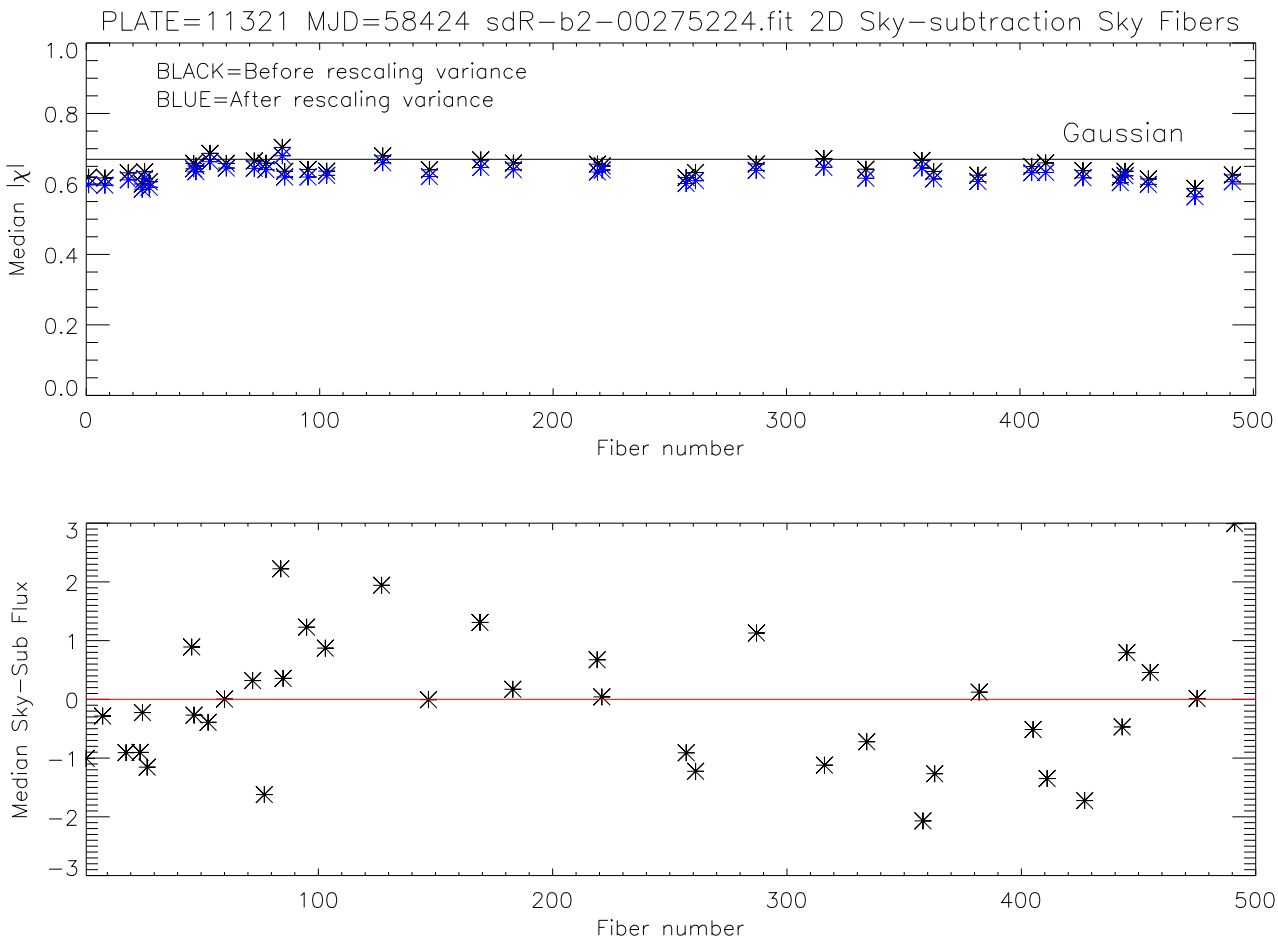

PLATE=11321 MJD=58424 sdR-b2-00275224.fit 1D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

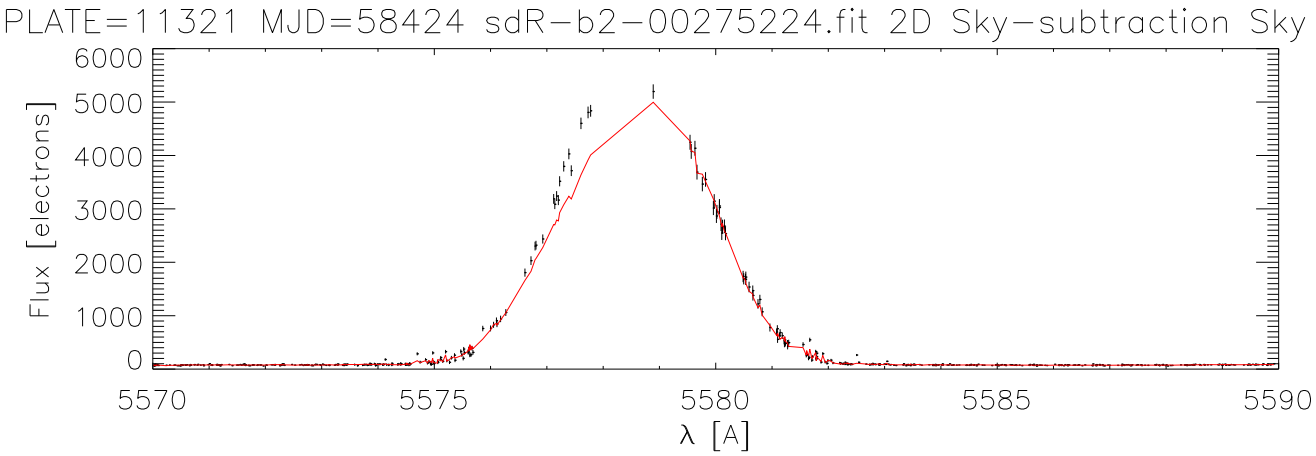

PLATE=11321 MJD=58424 sdR-b2-00275224.fit 1D Sky-subtraction Sky Fibers
Flux [electrons]
6000
5000
4000
3000
2000
1000
0
5570
5575
5580
5585
5590
λ [A]

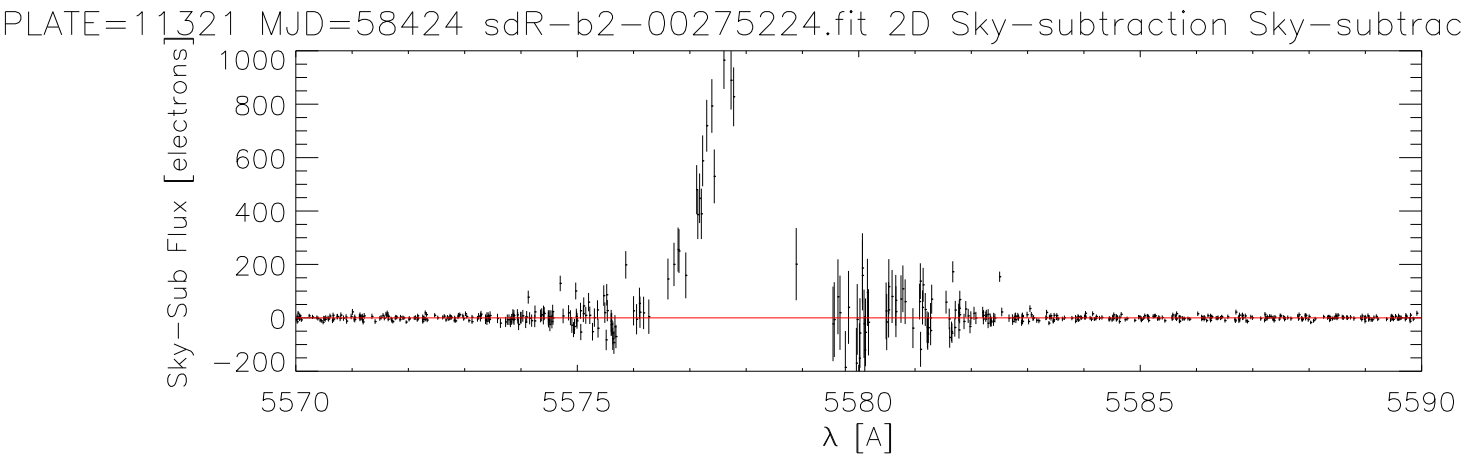

PLATE=11321 MJD=58424 sdR-b2-00275224.fit 1D Sky-subtraction Sky-subtracted Sky
Sky-Sub Flux [electrons]
1200
1000
800
600
400
200
0
-200
-400
5570
5575
5580
5585
5590
λ [A]

Number of sky fibers = 38

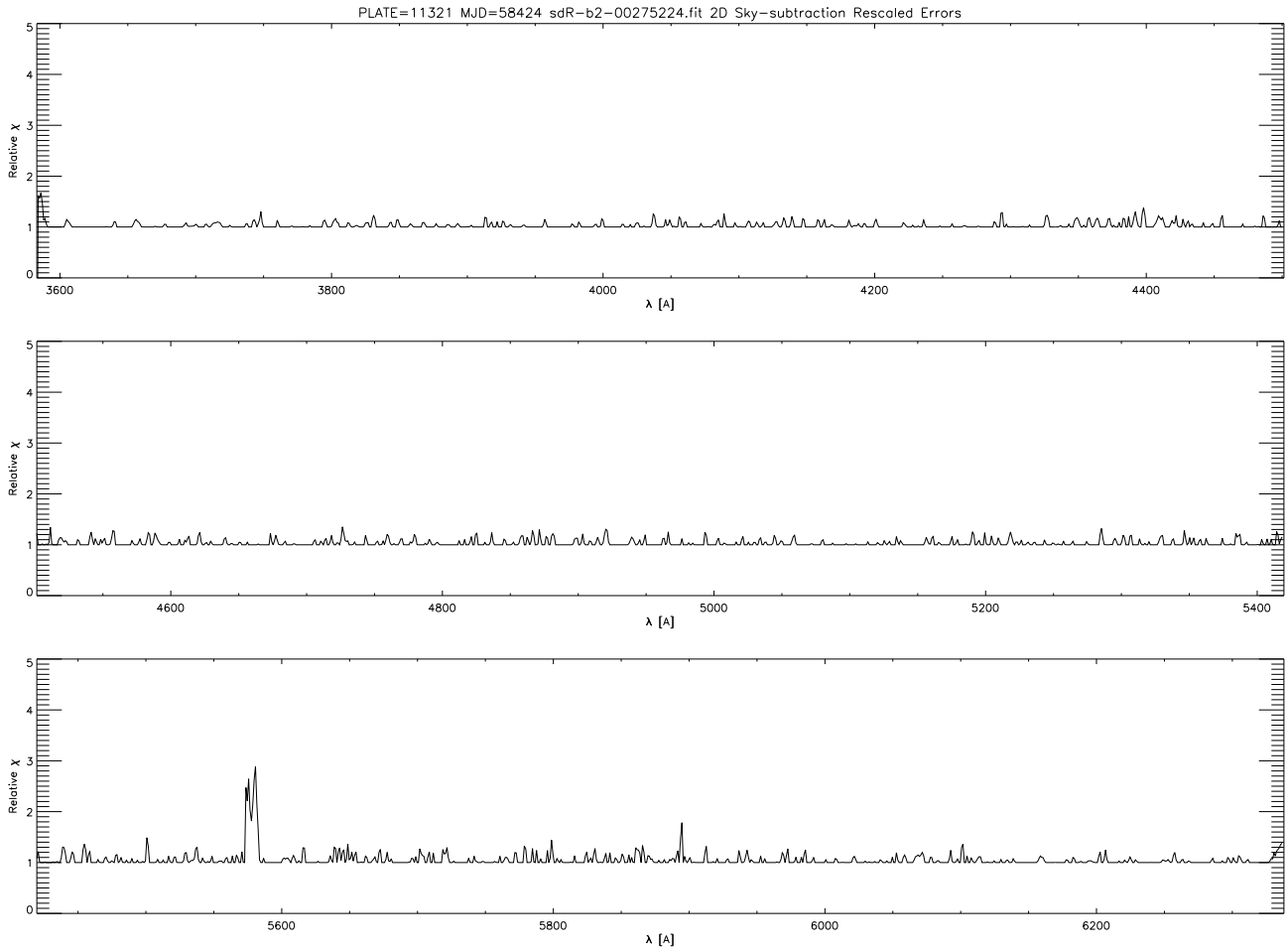


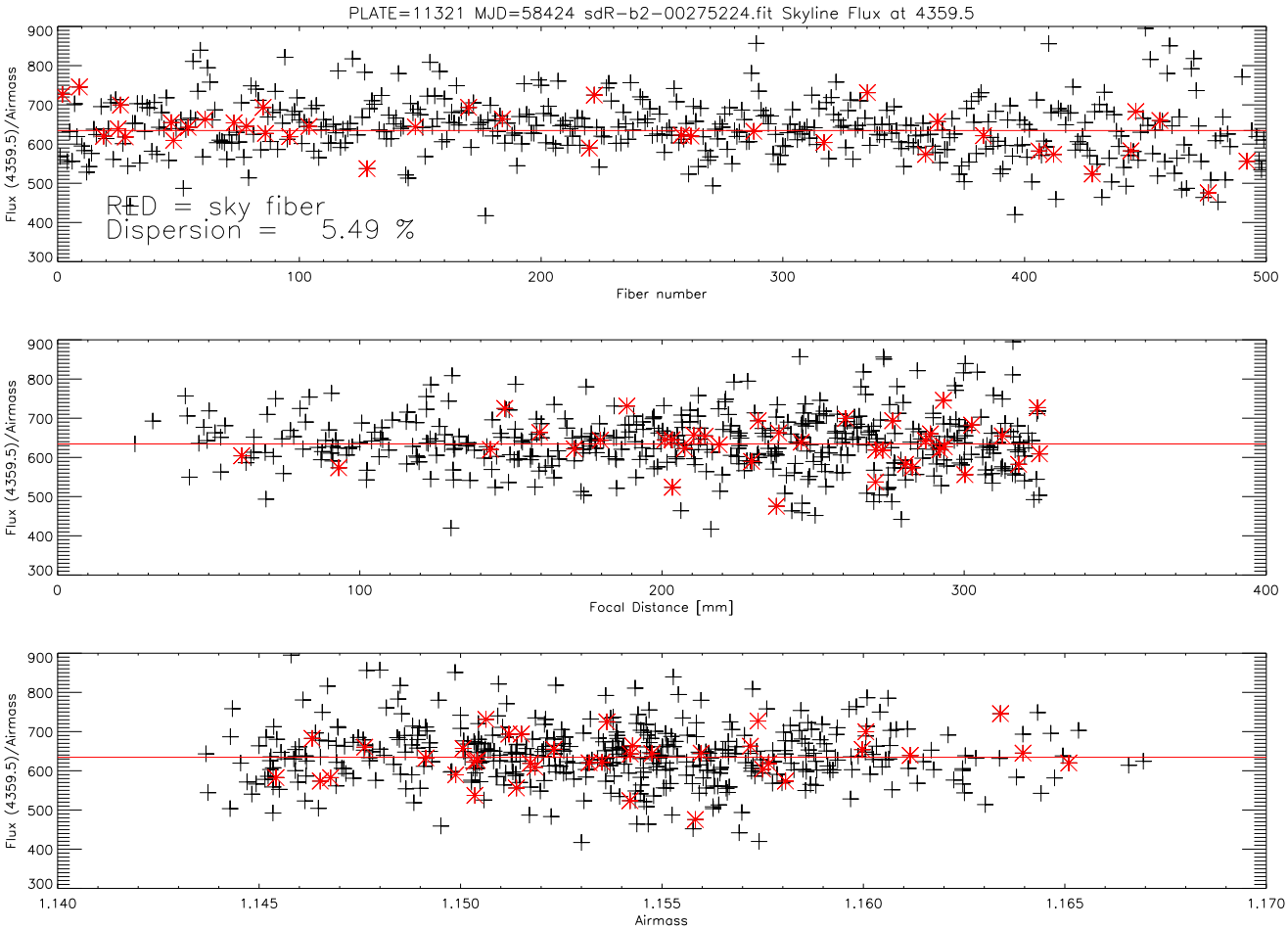

PLATE=11321 MJD=58424 sdR-b2-00275224.fit 2D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

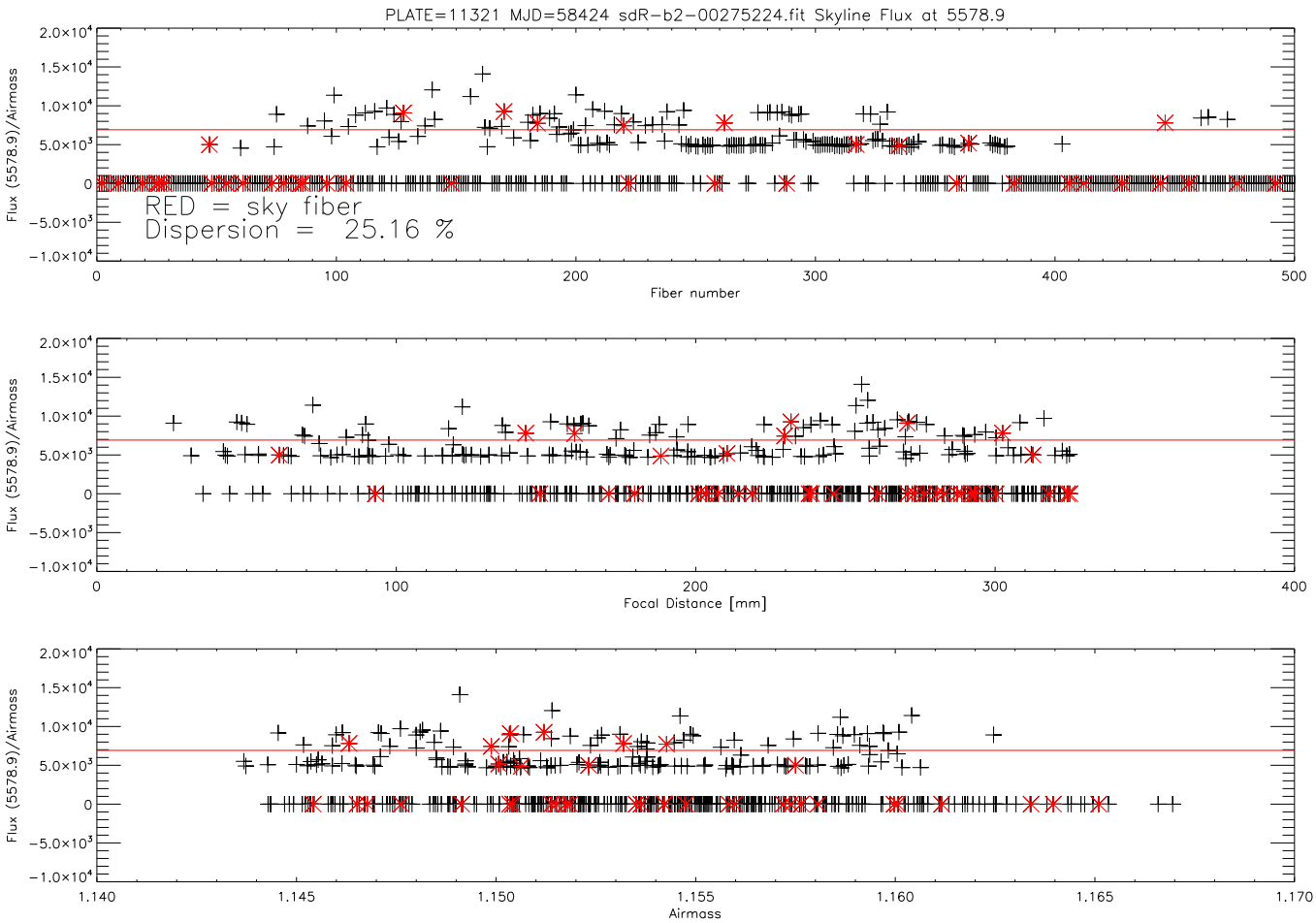

PLATE=11321 MJD=58424 sdR-b2-00275224.fit 2D Sky-subtraction Sky Fibers
Flux [electrons]
6000
5000
4000
3000
2000
1000
0
5570
5575
5580
5585
5590
λ [A]

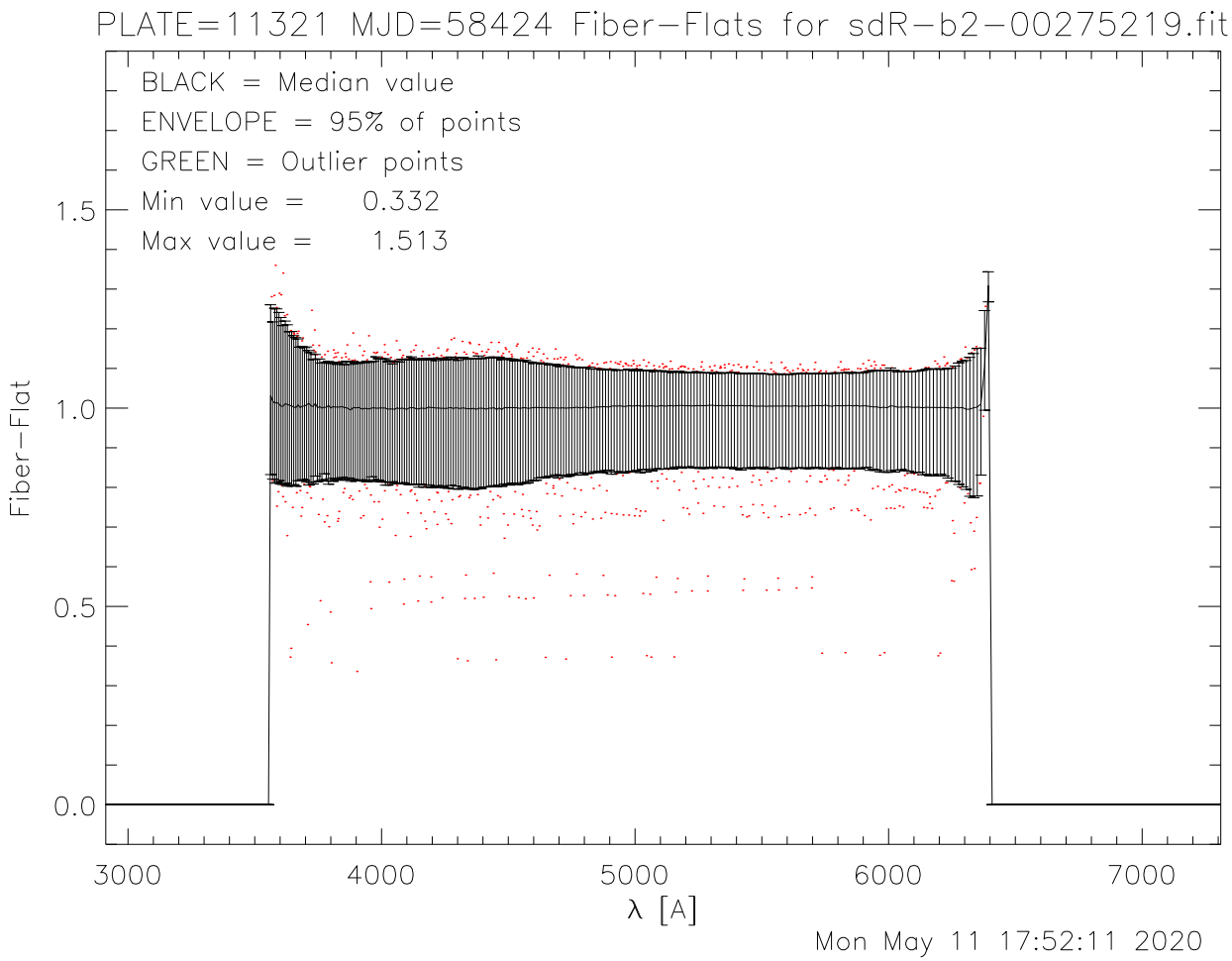

PLATE=11321 MJD=58424 sdR-b2-00275224.fit 2D Sky-subtraction Sky-subtracted Sky
Sky-Sub Flux [electrons]
1000
800
600
400
200
0
-200
5570
5575
5580
5585
5590
λ [A]

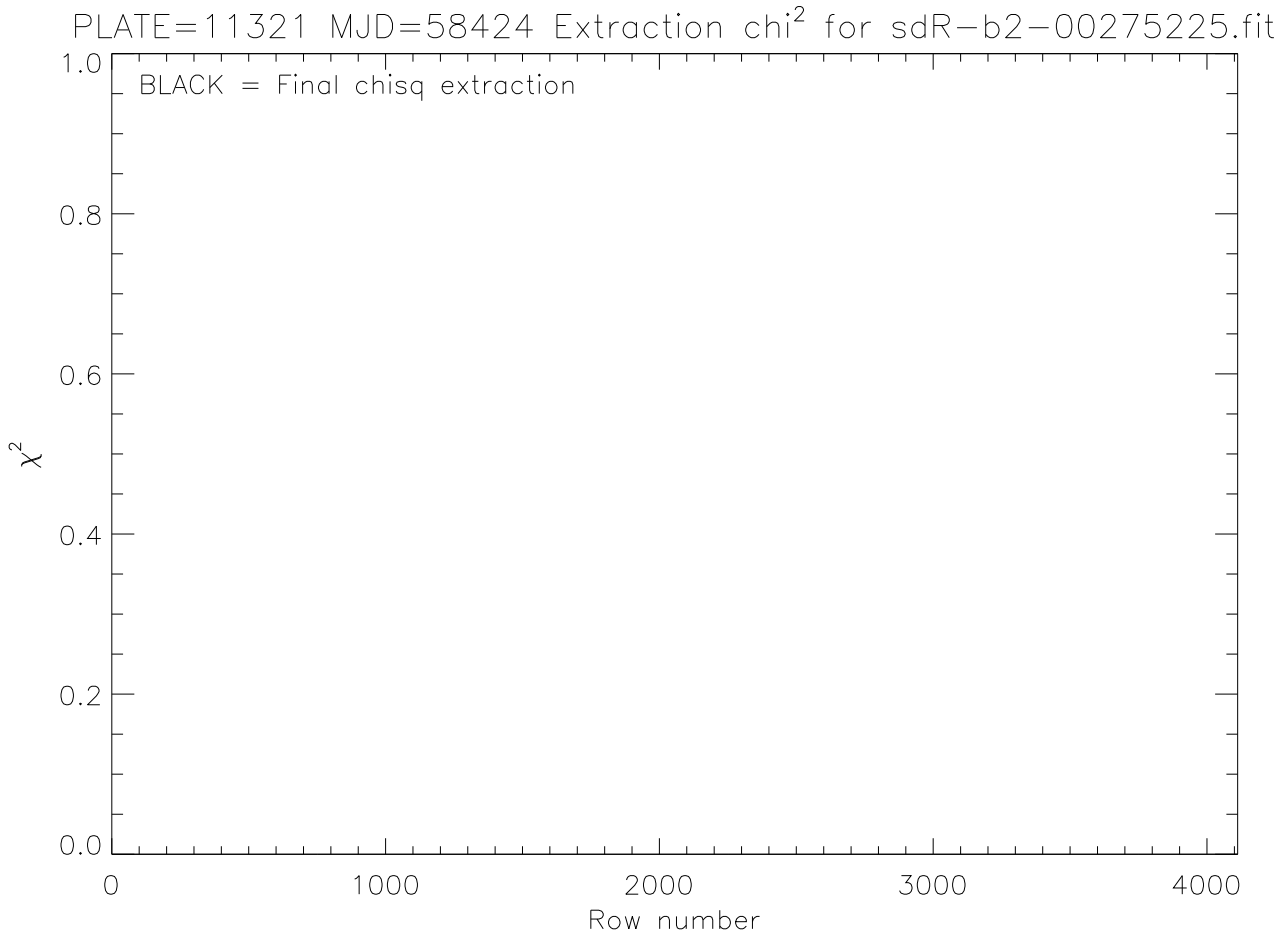
Number of sky fibers = 38

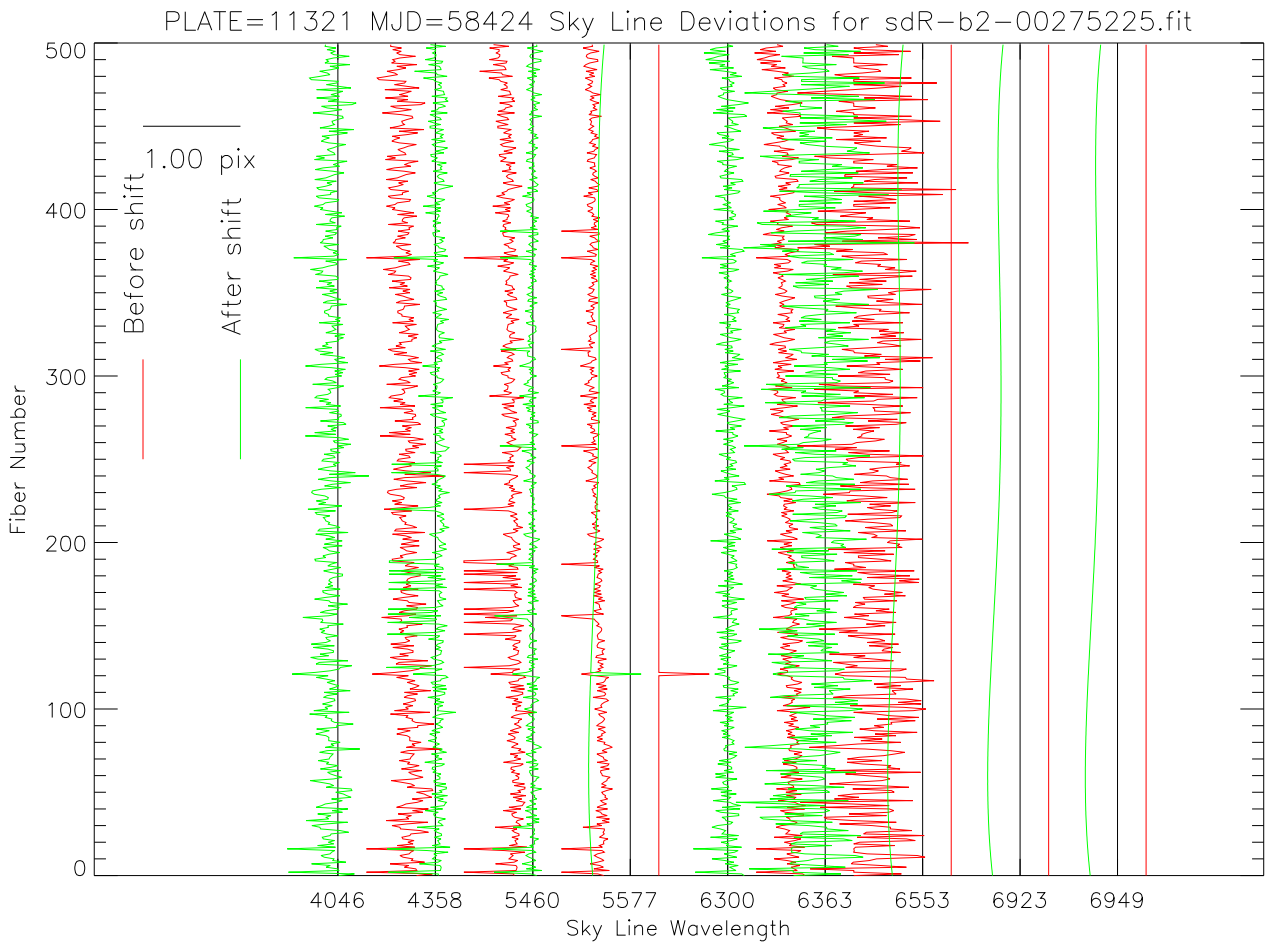


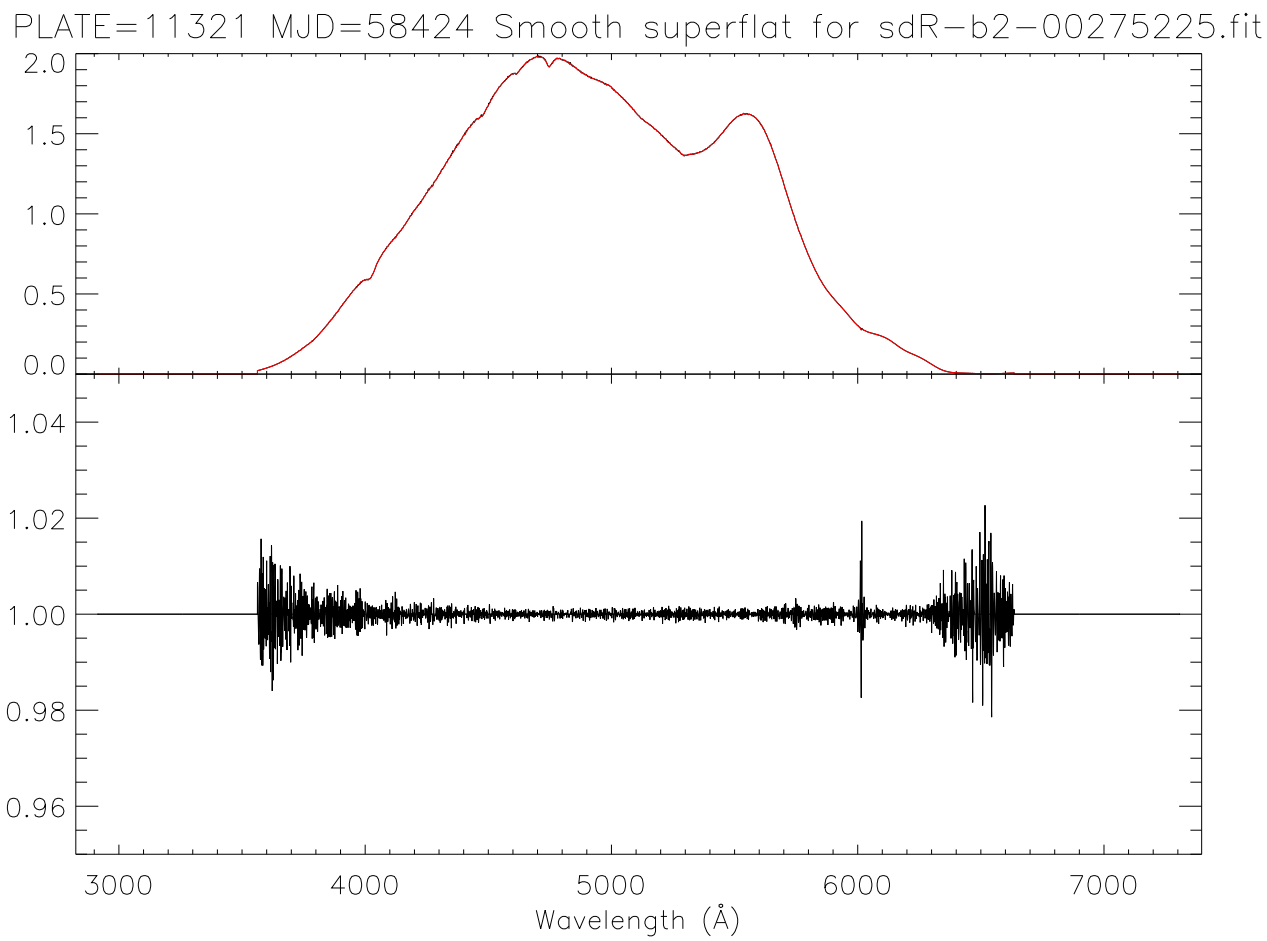

PLATE=11321 MJD=58424 sdR-b2-00275224.fit Skyline Flux at 4359.5
Flux (4359.5)/Airmass
RED = sky fiber
Dispersion = 5.49 %
Fiber number
Flux (4359.5)/Airmass
Focal Distance [mm]
Flux (4359.5)/Airmass
Airmass

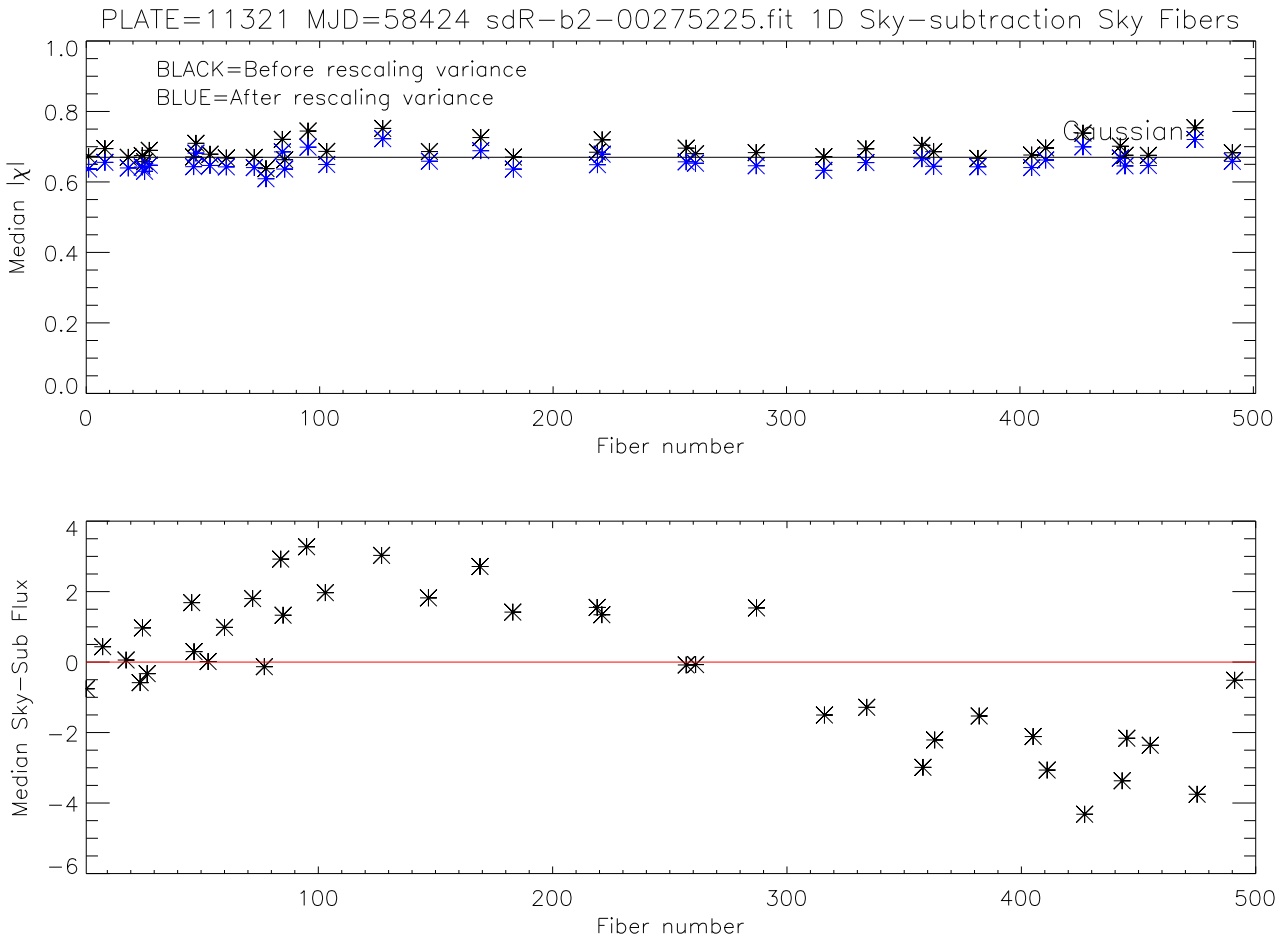

PLATE=11321 MJD=58424 sdR-b2-00275224.fit Skyline Flux at 5578.9
Flux (5578.9)/Airmass
RED = sky fiber
Dispersion = 25.16 %
Fiber number
Focal Distance [mm]
Airmass

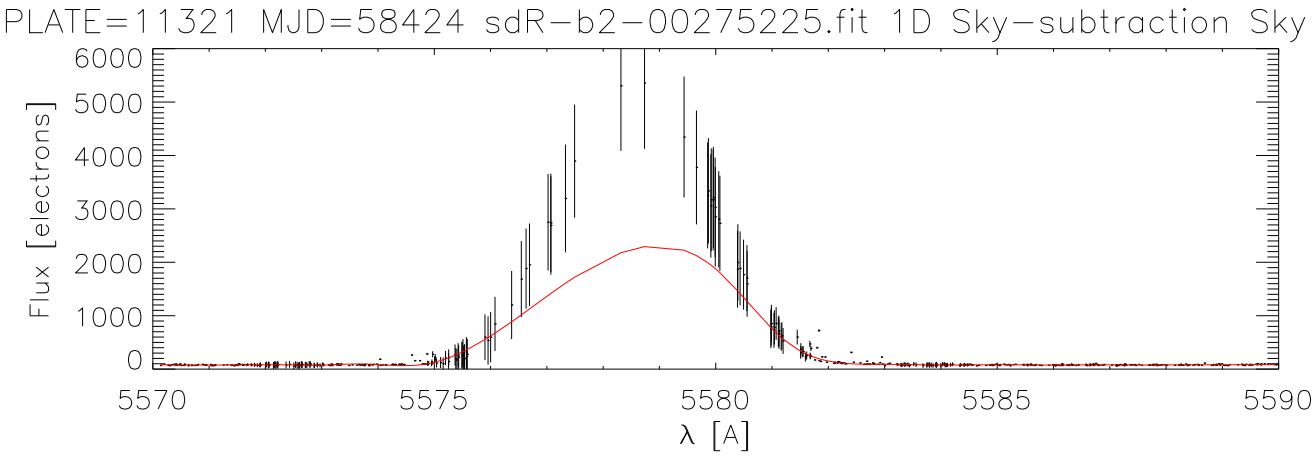

PLATE=11321 MJD=58424 Fiber−Flats for sdR−b2−00275219.fit
BLACK = Median value
ENVELOPE = 95% of points
GREEN = Outlier points
Min value = 0.332
Max value = 1.513
Fiber−Flat
1.5
1.0
0.5
0.0
3000
4000
5000
6000
7000
λ [A]
Mon May 11 17:52:11 2020

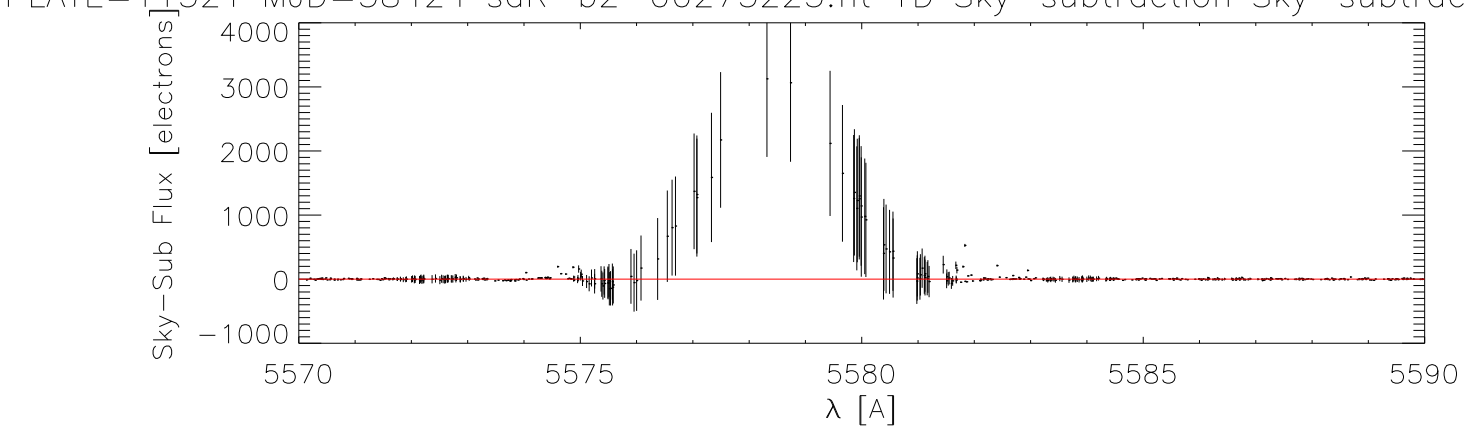

PLATE=11321 MJD=58424 Extraction chi^2 for sdR−b2−00275225.fit
BLACK = Final chisq extraction
χ^2
1.0
0.8
0.6
0.4
0.2
0.0
0
1000
2000
3000
4000
Row number


PLATE=11321 MJD=58424 Sky Line Deviations for sdR-b2-00275225.fit
Before shift
After shift
1.00 pix
Fiber Number
0
100
200
300
400
500
4046
4358
5460
5577
6300
6363
6553
6923
6949
Sky Line Wavelength

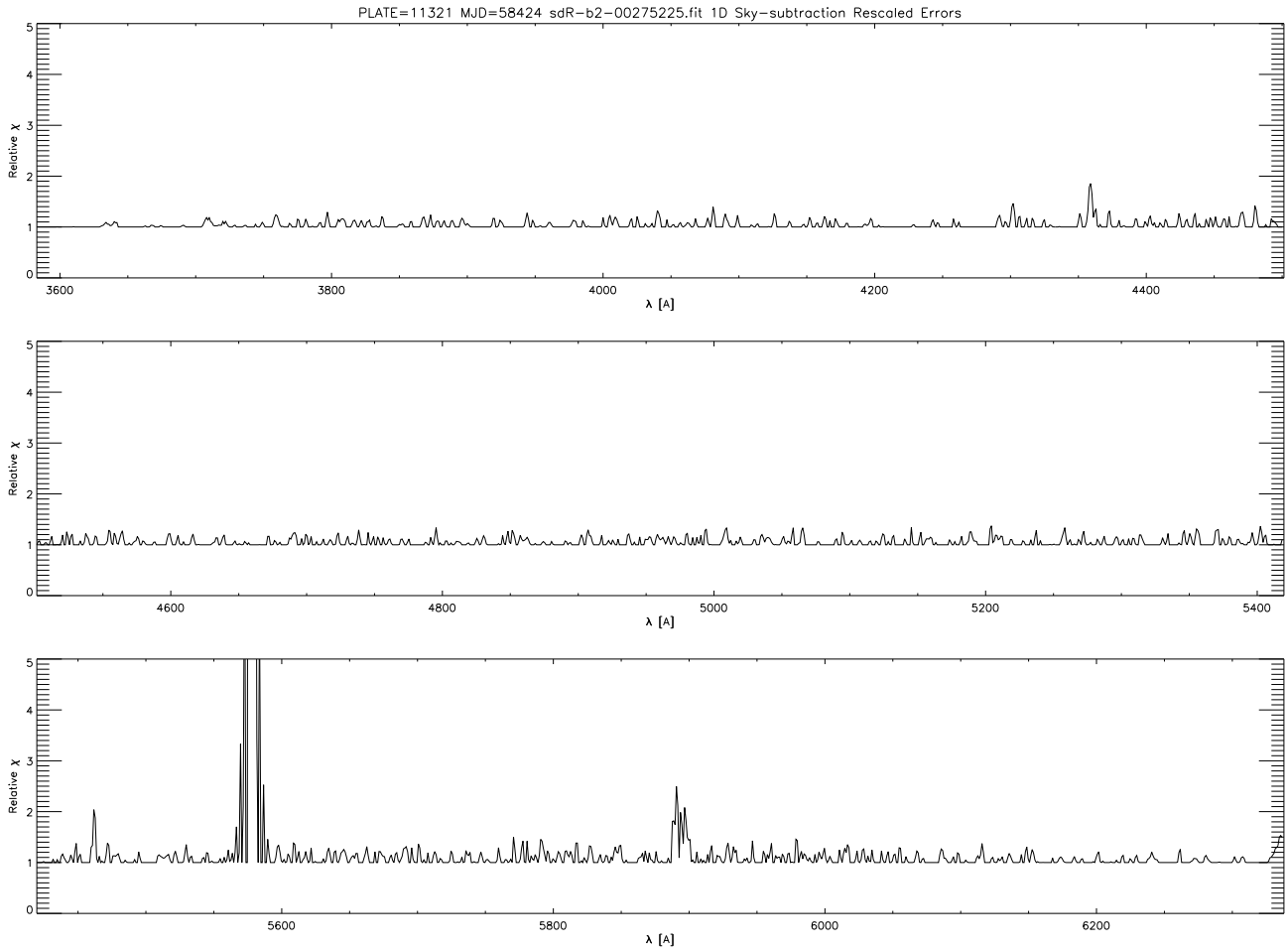

PLATE=11321 MJD=58424 Smooth superflat for sdR-b2-00275225.fit
2.0
1.5
1.0
0.5
0.0
1.04
1.02
1.00
0.98
0.96
3000
4000
5000
6000
7000
Wavelength (Å)

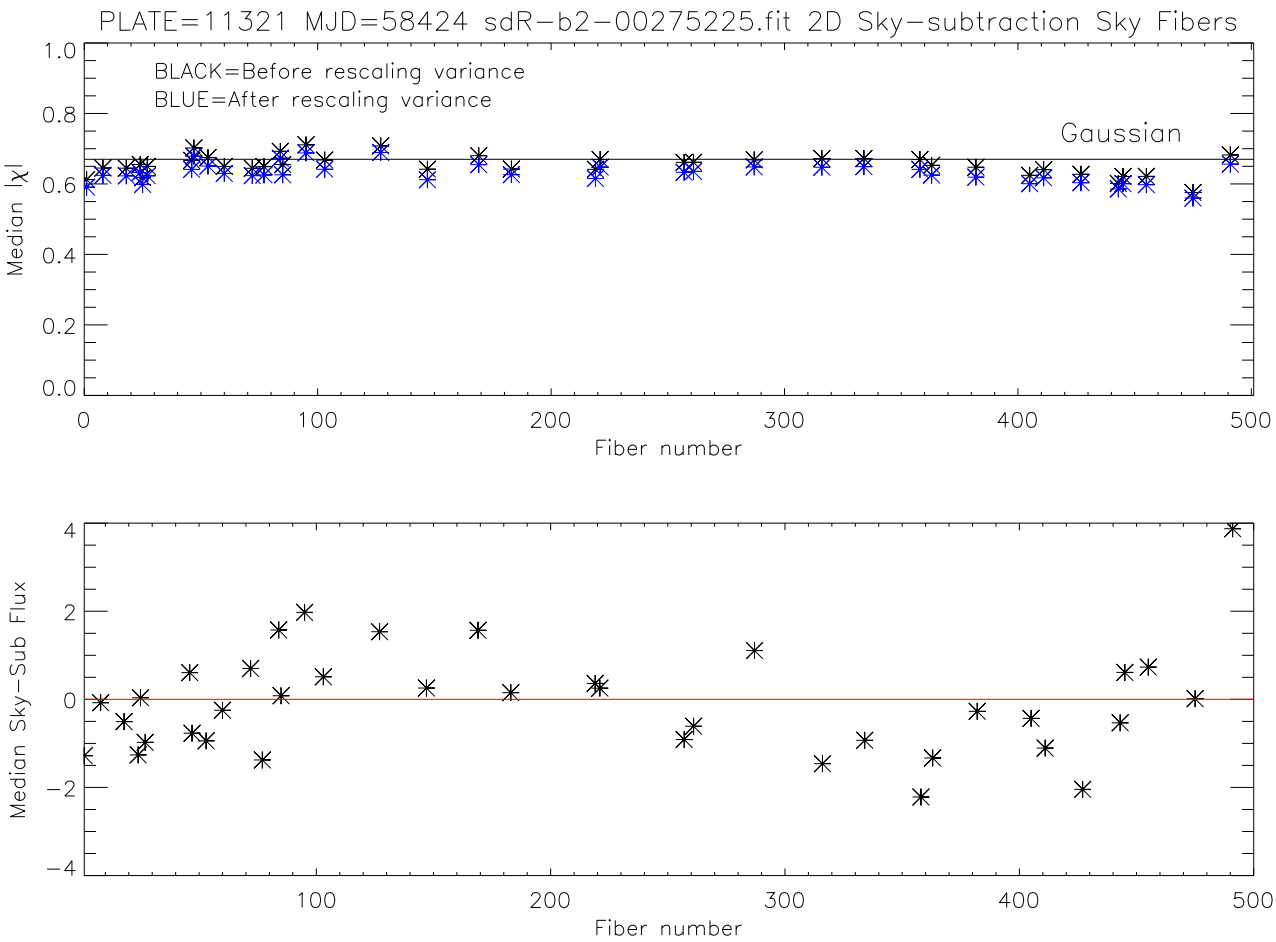

PLATE=11321 MJD=58424 sdR-b2-00275225.fit 1D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

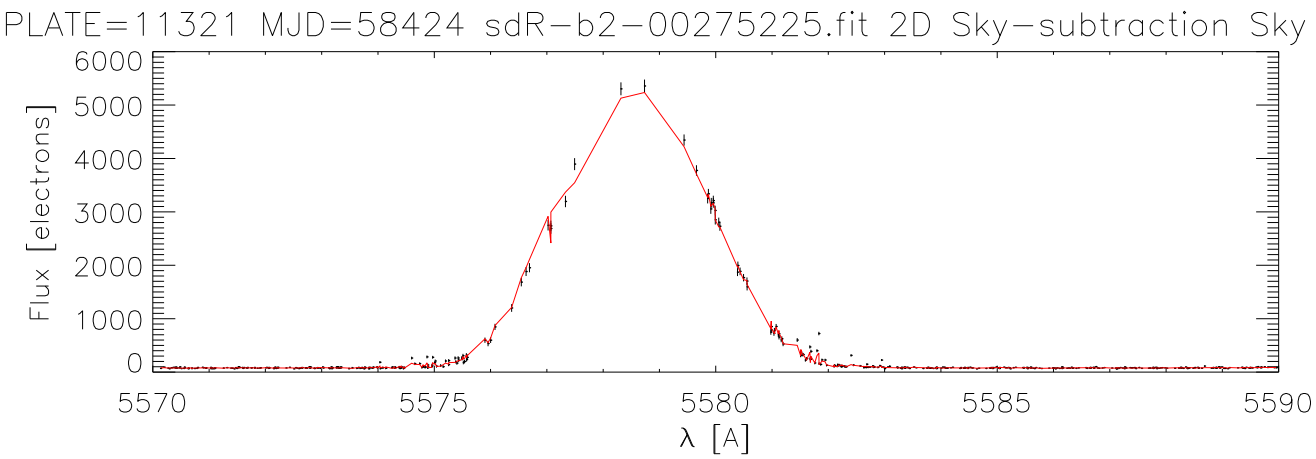

PLATE=11321 MJD=58424 sdR-b2-00275225.fit 1D Sky-subtraction Sky Fibers
Flux [electrons]
6000
5000
4000
3000
2000
1000
0
5570
5575
5580
5585
5590
λ [A]

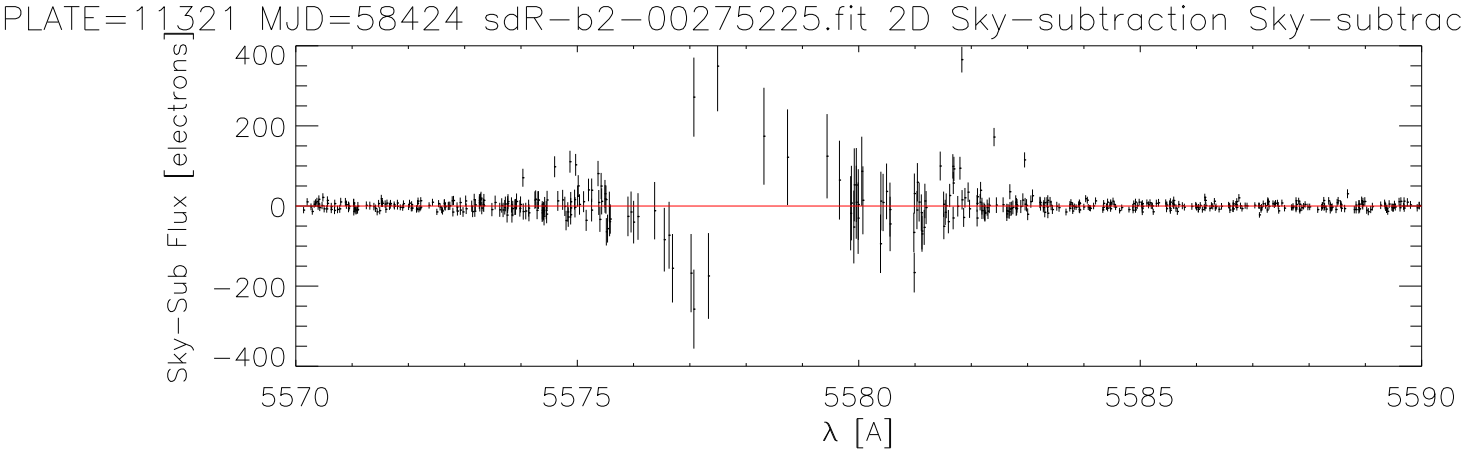

PLATE=11321 MJD=58424 sdR-b2-00275225.fit 1D Sky-subtraction Sky-subtracted Sky
Sky-Sub Flux [electrons]
4000
3000
2000
1000
0
-1000
5570
5575
5580
5585
5590
λ [A]

Number of sky fibers = 38

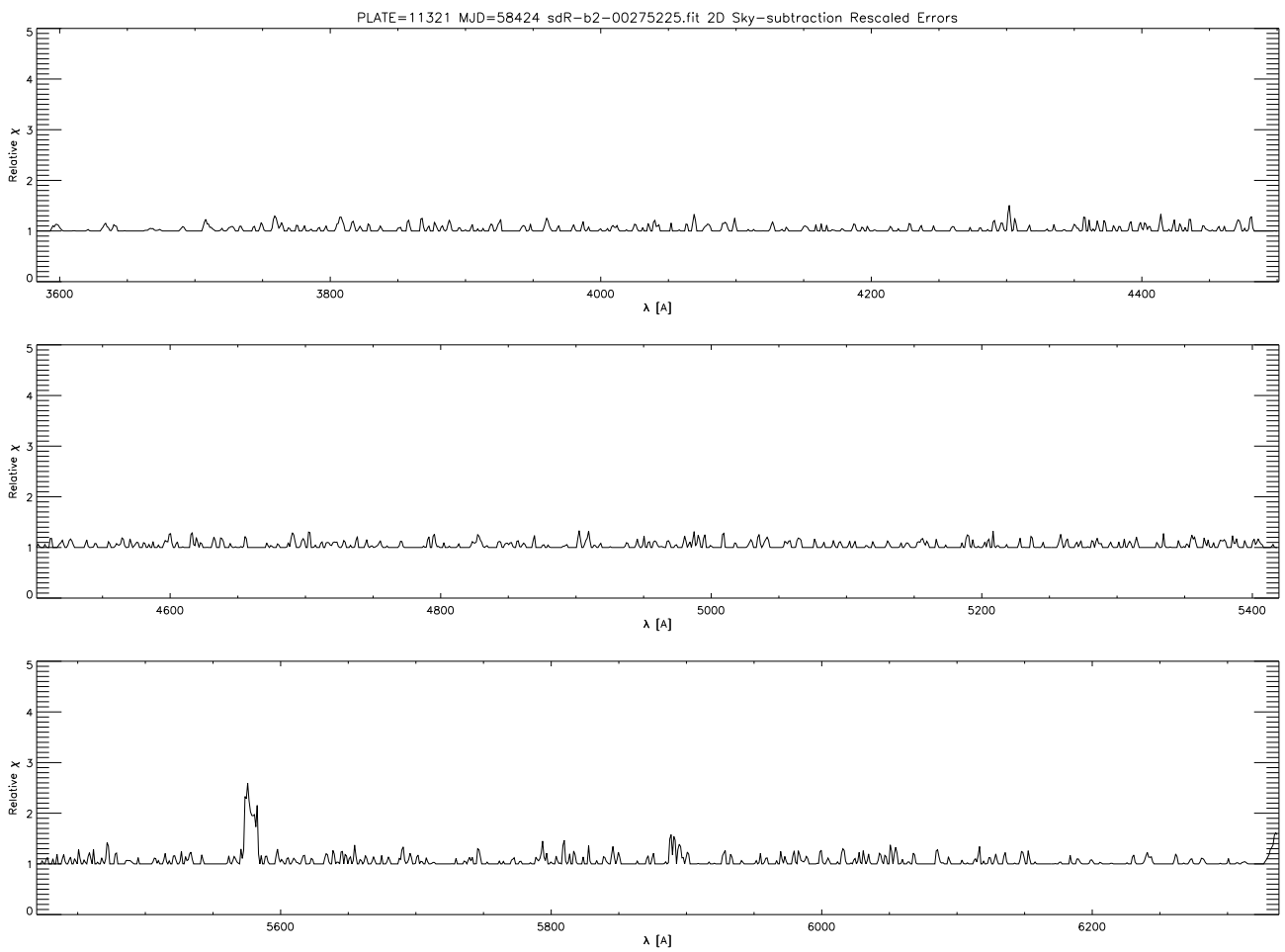


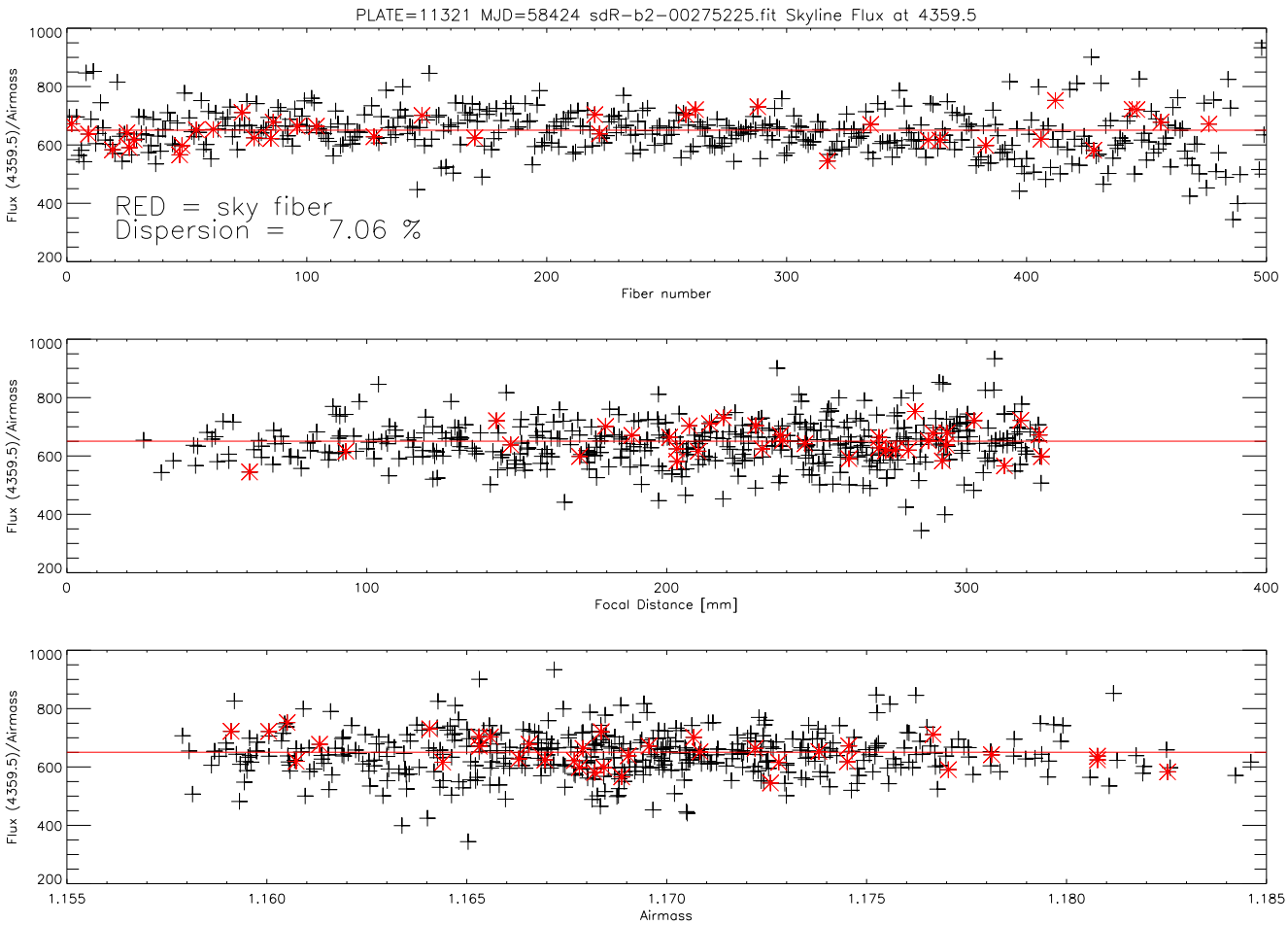

PLATE=11321 MJD=58424 sdR-b2-00275225.fit 2D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

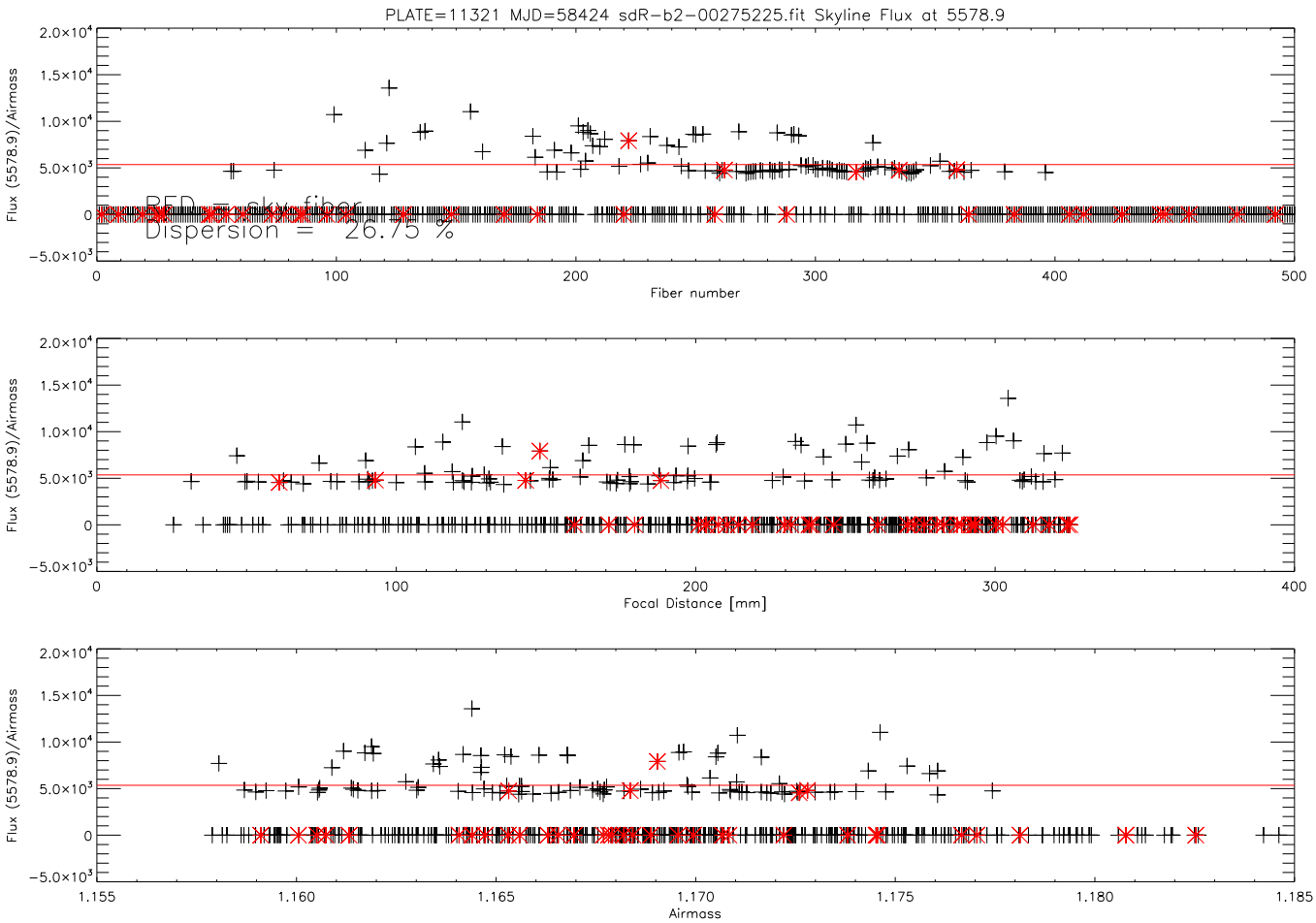

PLATE=11321 MJD=58424 sdR-b2-00275225.fit 2D Sky-subtraction Sky Fibers
Flux [electrons]
6000
5000
4000
3000
2000
1000
0
5570
5575
5580
5585
5590
λ [A]


PLATE=11321 MJD=58424 sdR-b2-00275225.fit 2D Sky-subtraction Sky-subtracted Sky
Sky-Sub Flux [electrons]
400
200
0
-200
-400
5570
5575
5580
5585
5590
λ [A]

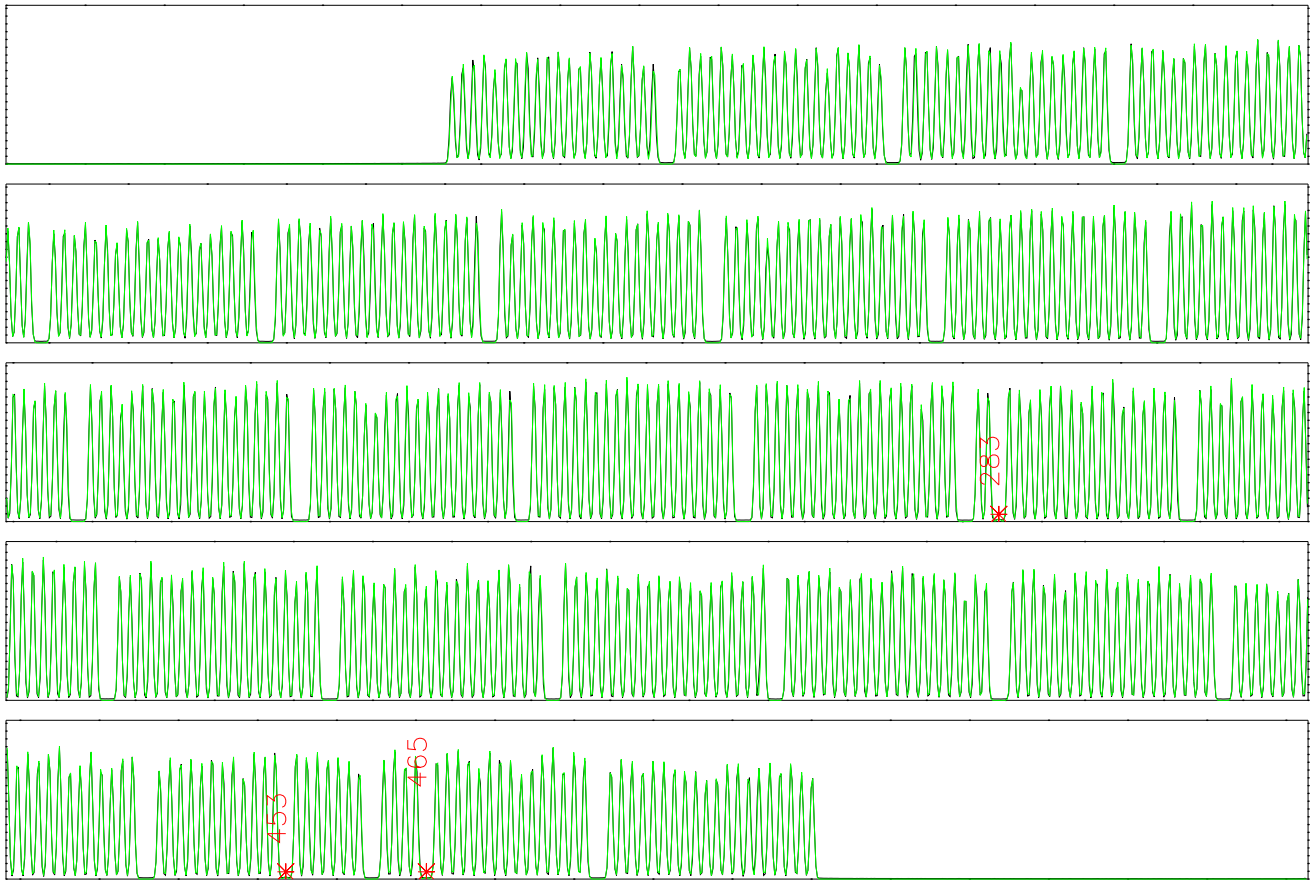
Number of sky fibers = 38



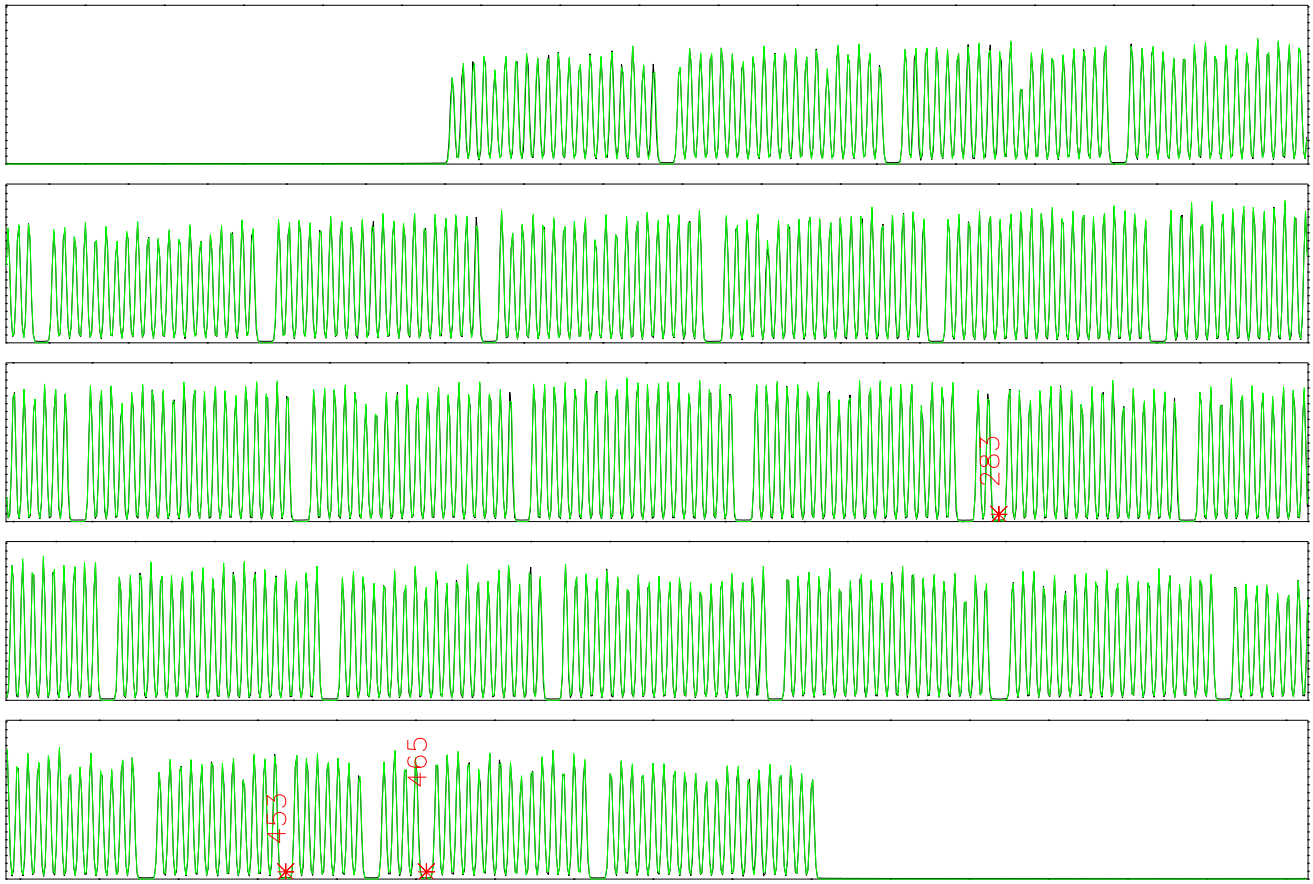

PLATE=11321 MJD=58424 sdR-b2-00275225.fit Skyline Flux at 4359.5
Flux (4359.5)/Airmass
RED = sky fiber
Dispersion = 7.06 %
Fiber number
Flux (4359.5)/Airmass
Focal Distance [mm]
Flux (4359.5)/Airmass
Airmass

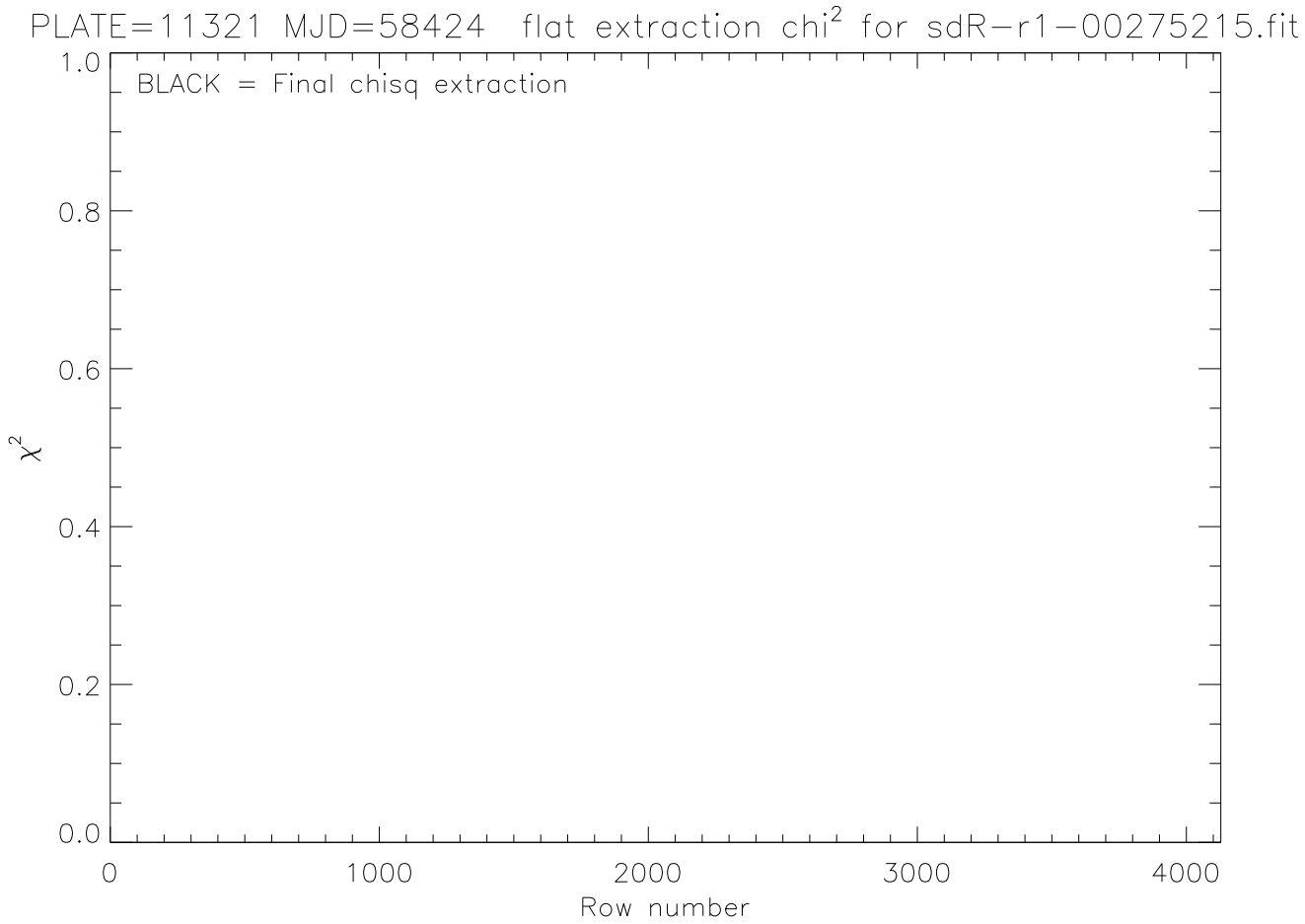

PLATE=11321 MJD=58424 sdR-b2-00275225.fit Skyline Flux at 5578.9
Flux (5578.9)/Airmass
Fiber number
RED = sky fiber
Dispersion = 26.75 %
Flux (5578.9)/Airmass
Focal Distance [mm]
Flux (5578.9)/Airmass
Airmass

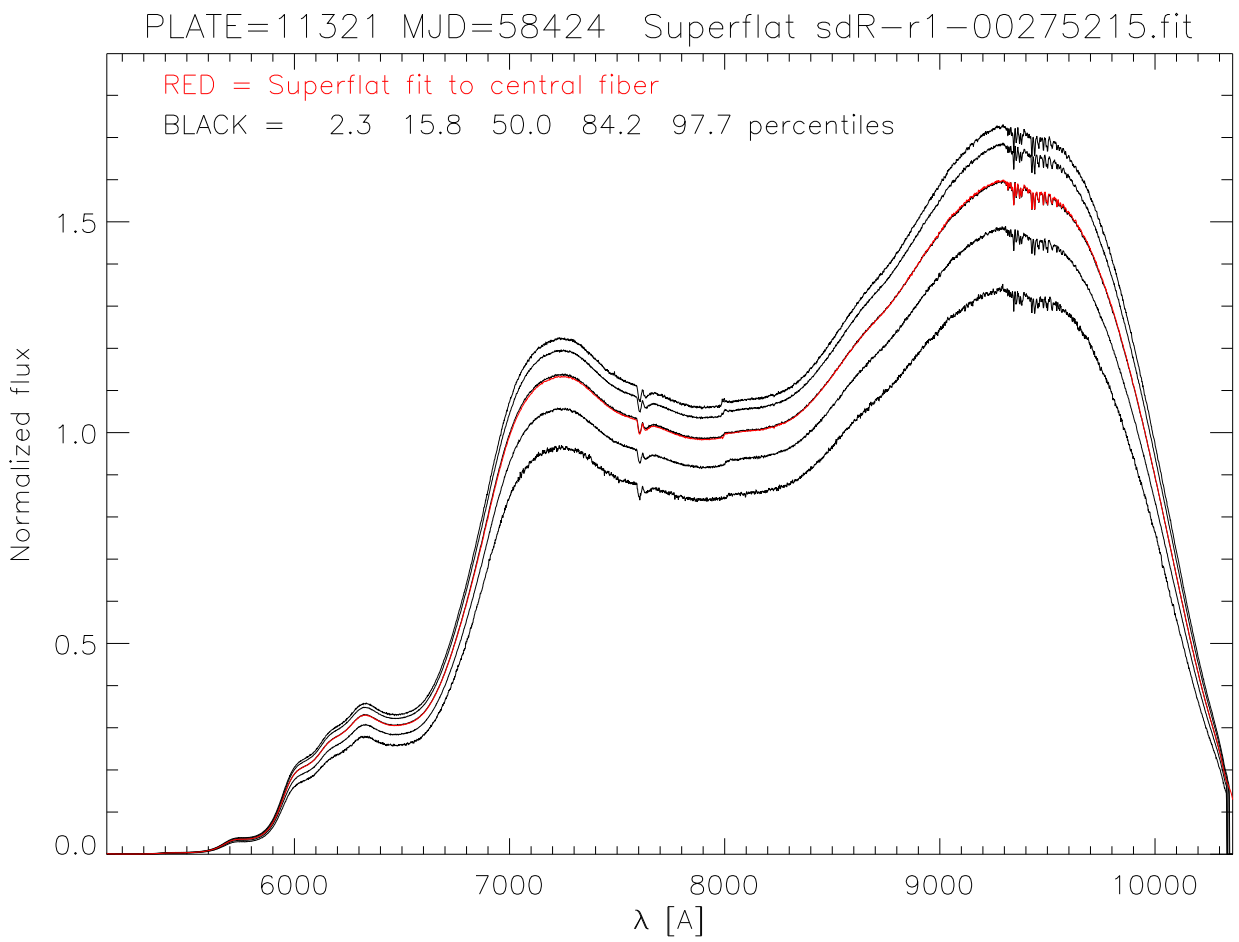
PLATE=11321 MJD=58424 Traces sdR-r1-00275215.fit

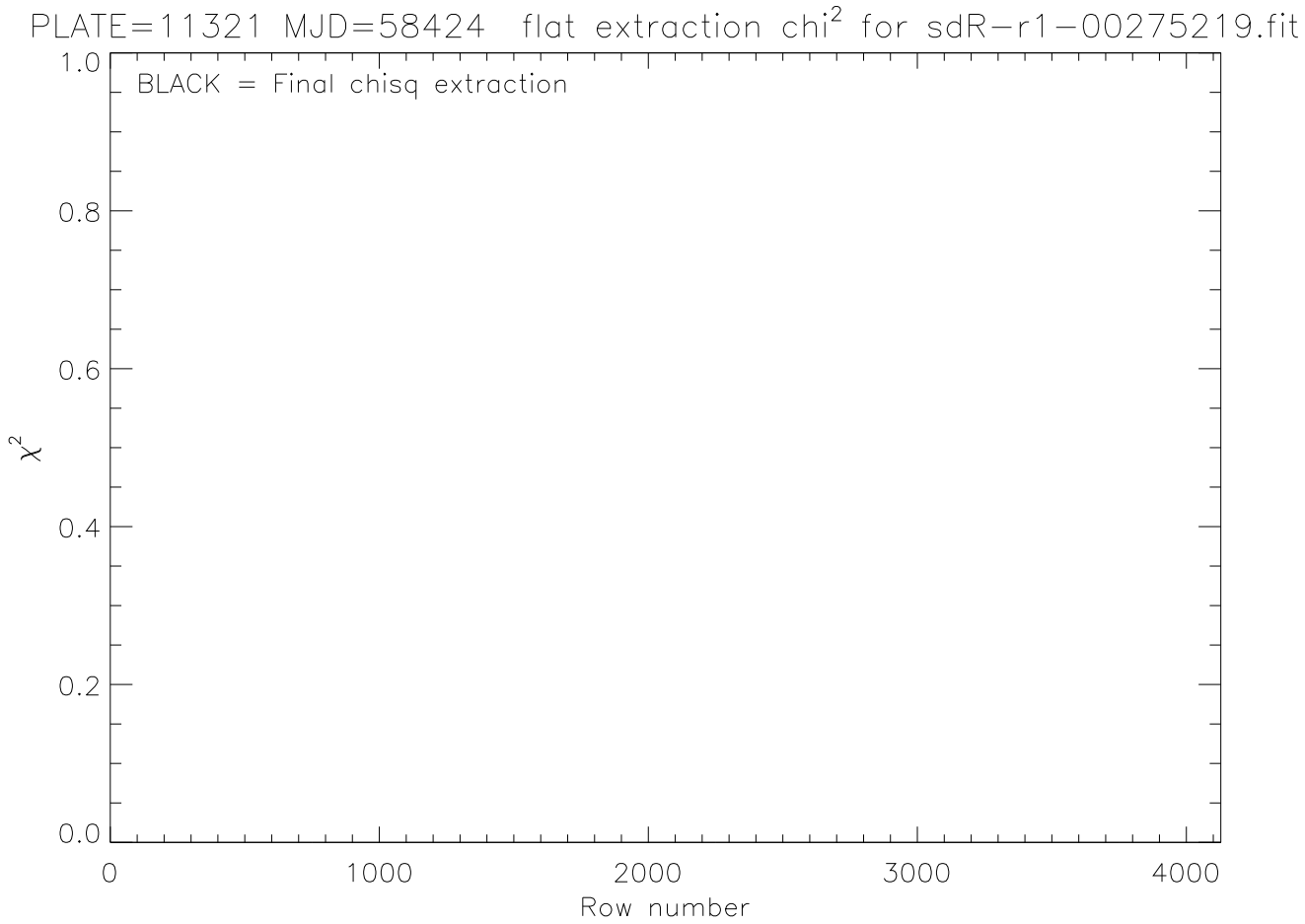


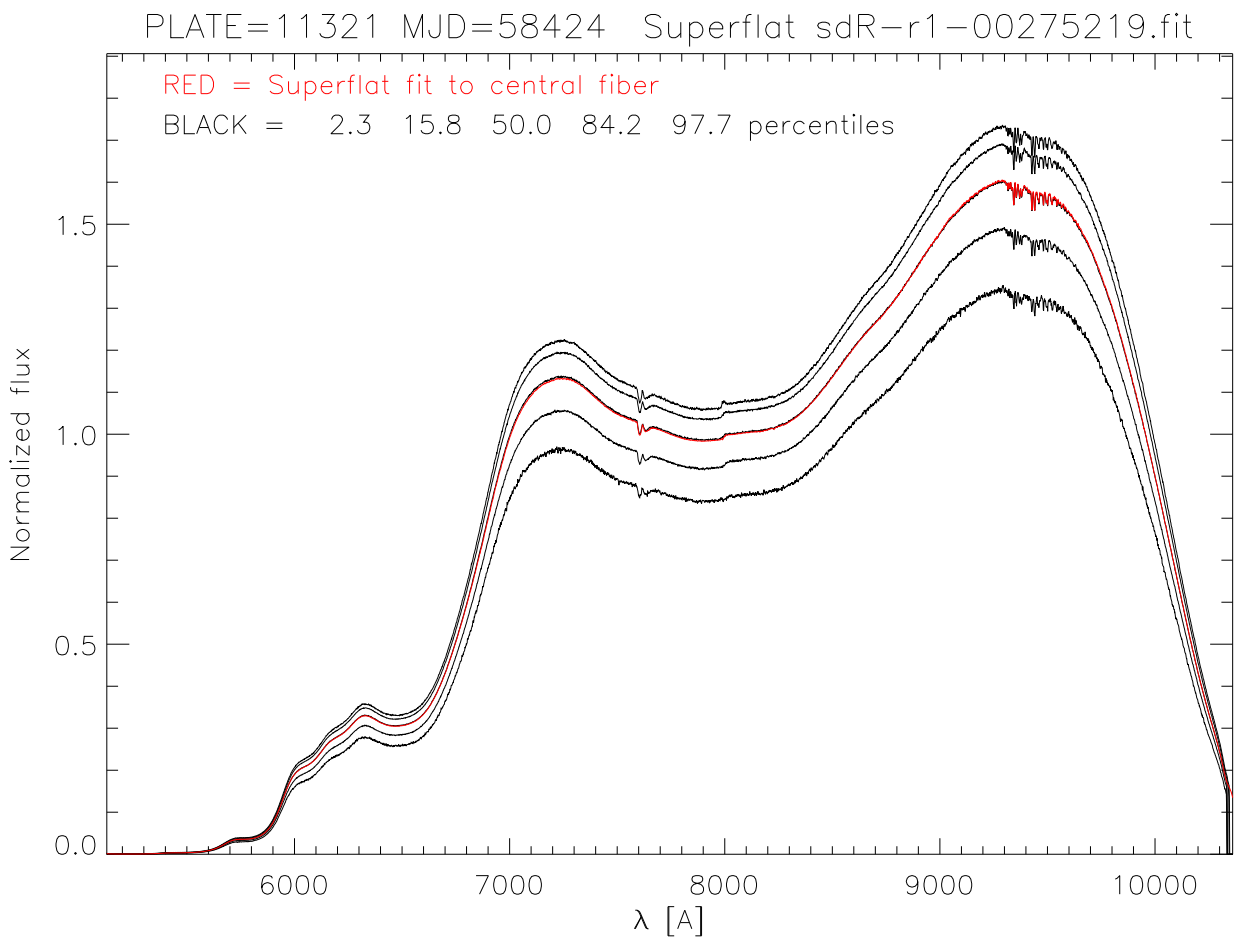
PLATE=11321 MJD=58424 Traces sdR-r1-00275219.fit

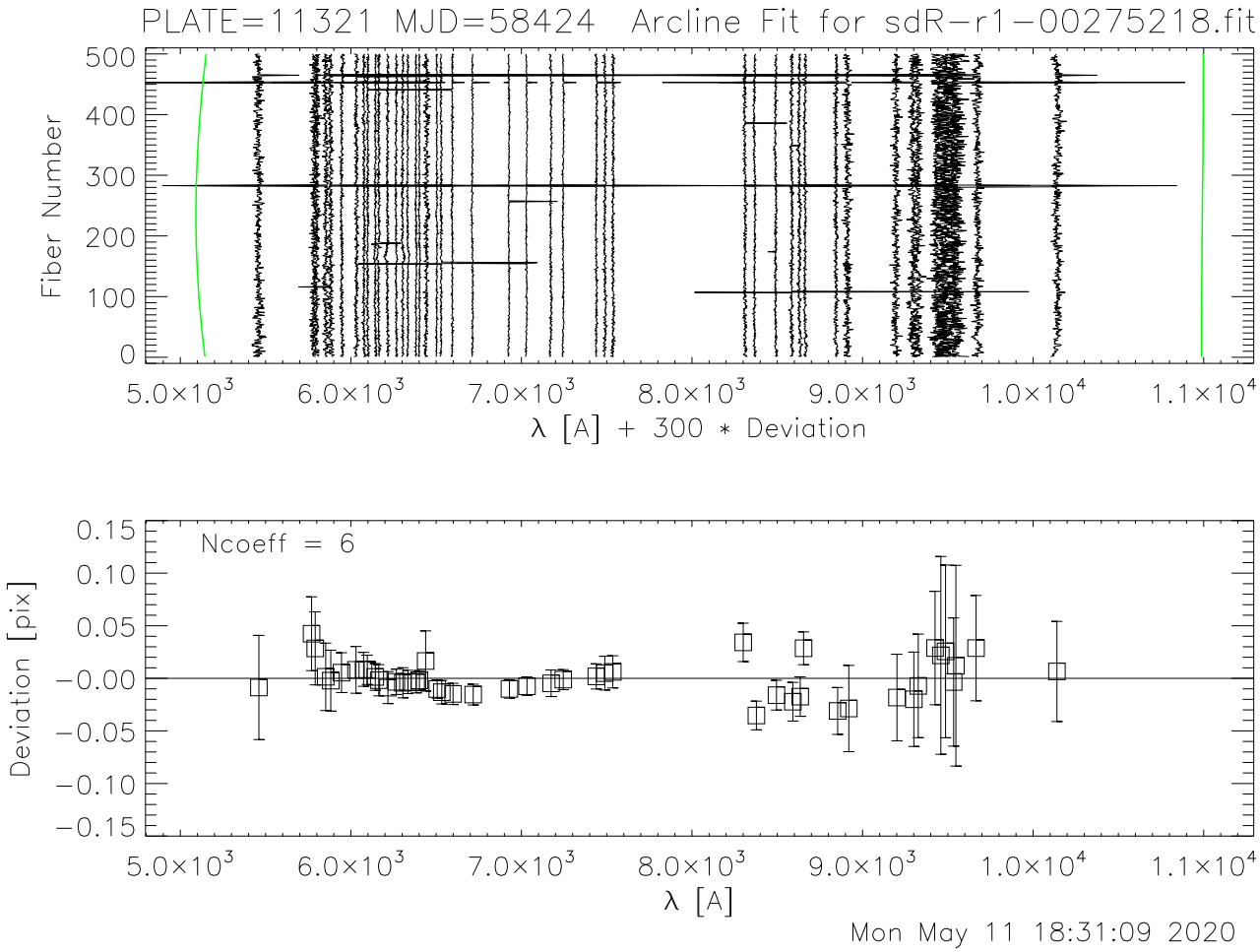


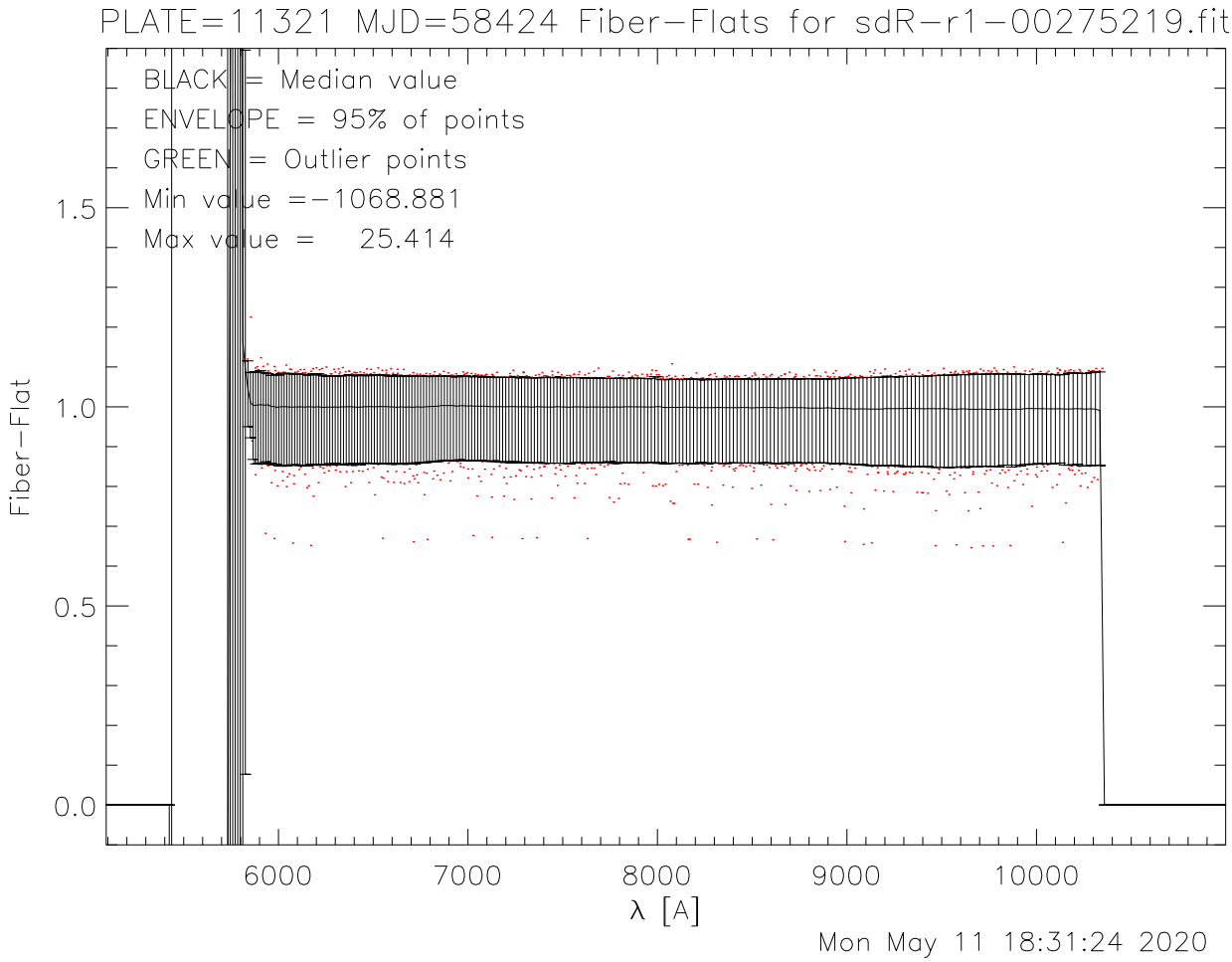

PLATE=11321 MJD=58424 flat extraction chi^2 for sdR−r1−00275215.fit
BLACK = Final chisq extraction
1.0
0.8
0.6
0.4
0.2
0.0
χ^2
0
1000
2000
3000
4000
Row number

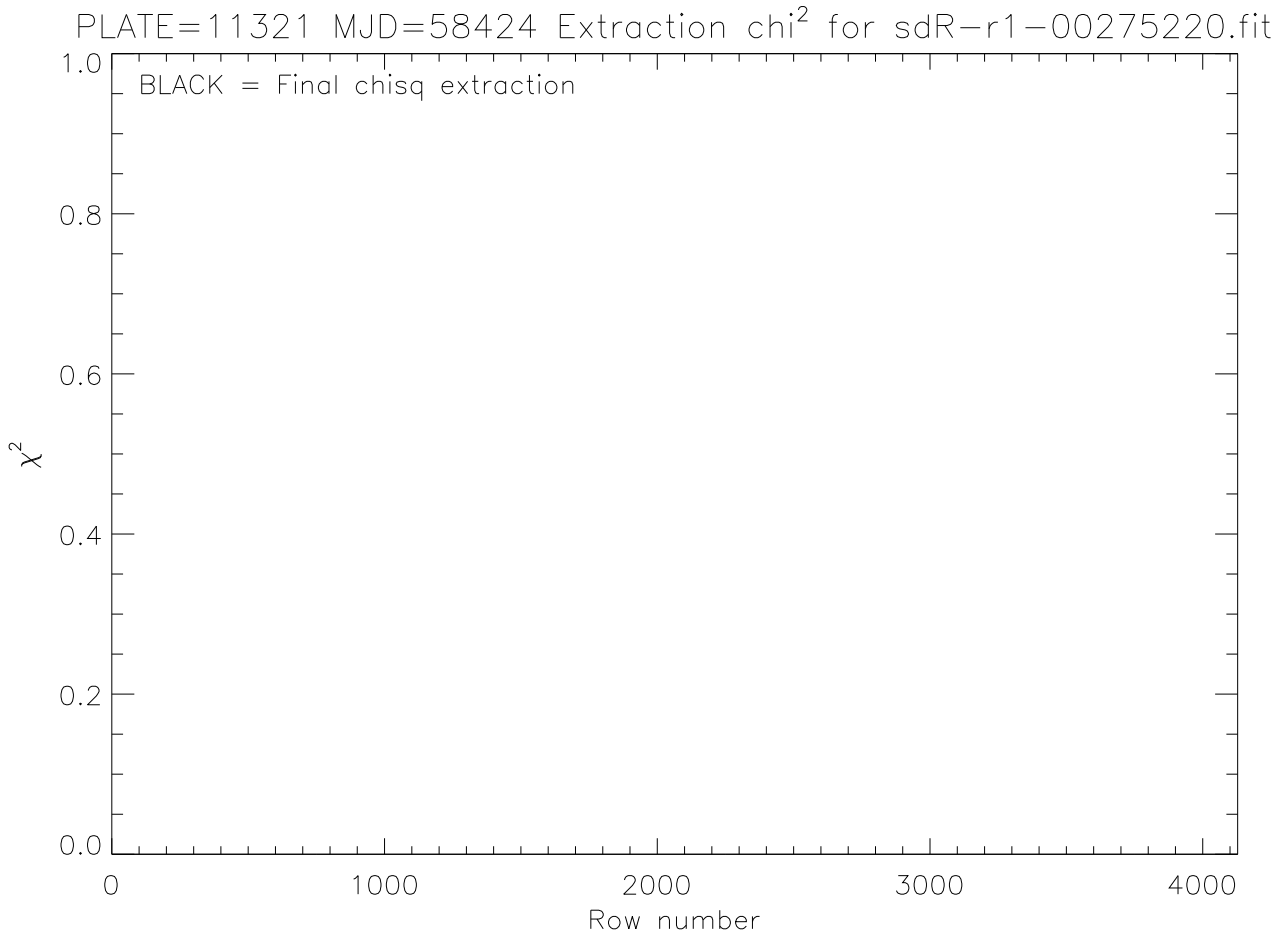

PLATE=11321 MJD=58424 Superflat sdR-r1-00275215.fit
RED = Superflat fit to central fiber
BLACK = 2.3 15.8 50.0 84.2 97.7 percentiles
Normalized flux
0.0
0.5
1.0
1.5
6000
7000
8000
9000
10000
λ [A]

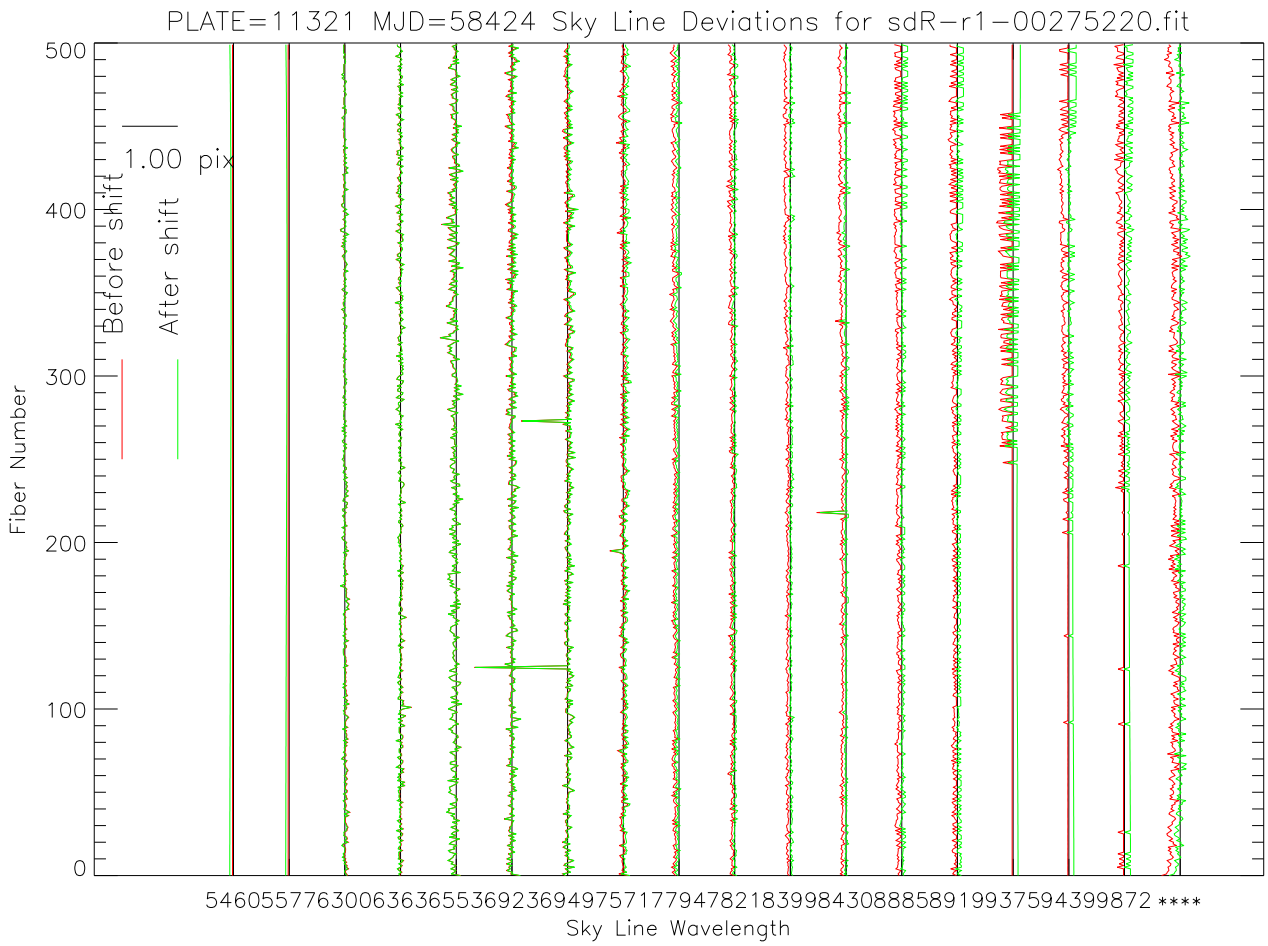

PLATE=11321 MJD=58424 flat extraction chi^2 for sdR−r1−00275219.fit
BLACK = Final chisq extraction
1.0
0.8
0.6
0.4
0.2
0.0
χ^2
0
1000
2000
3000
4000
Row number

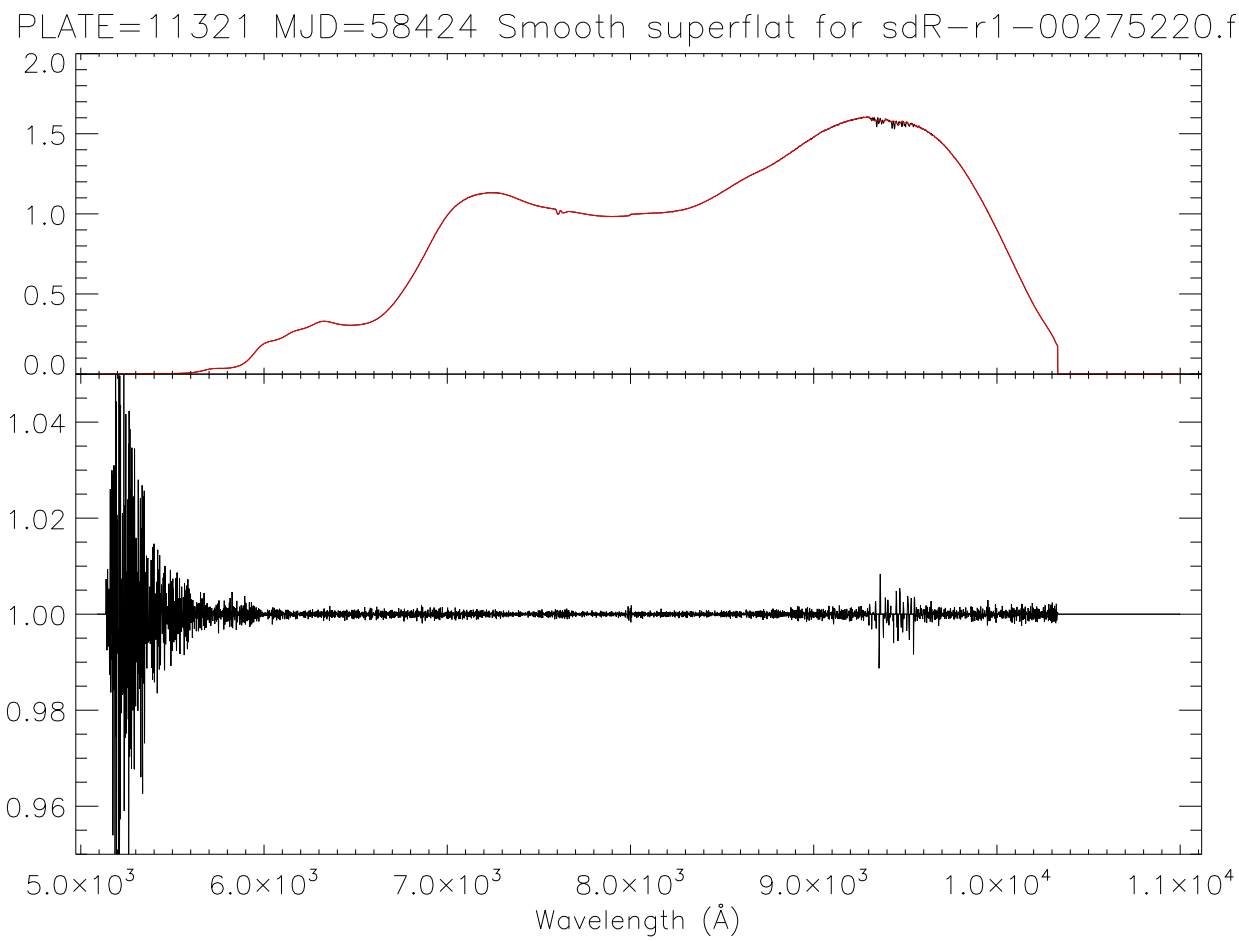

PLATE=11321 MJD=58424 Superflat sdR-r1-00275219.fit
RED = Superflat fit to central fiber
BLACK = 2.3 15.8 50.0 84.2 97.7 percentiles
Normalized flux
0.0
0.5
1.0
1.5
6000
7000
8000
9000
10000
λ [A]

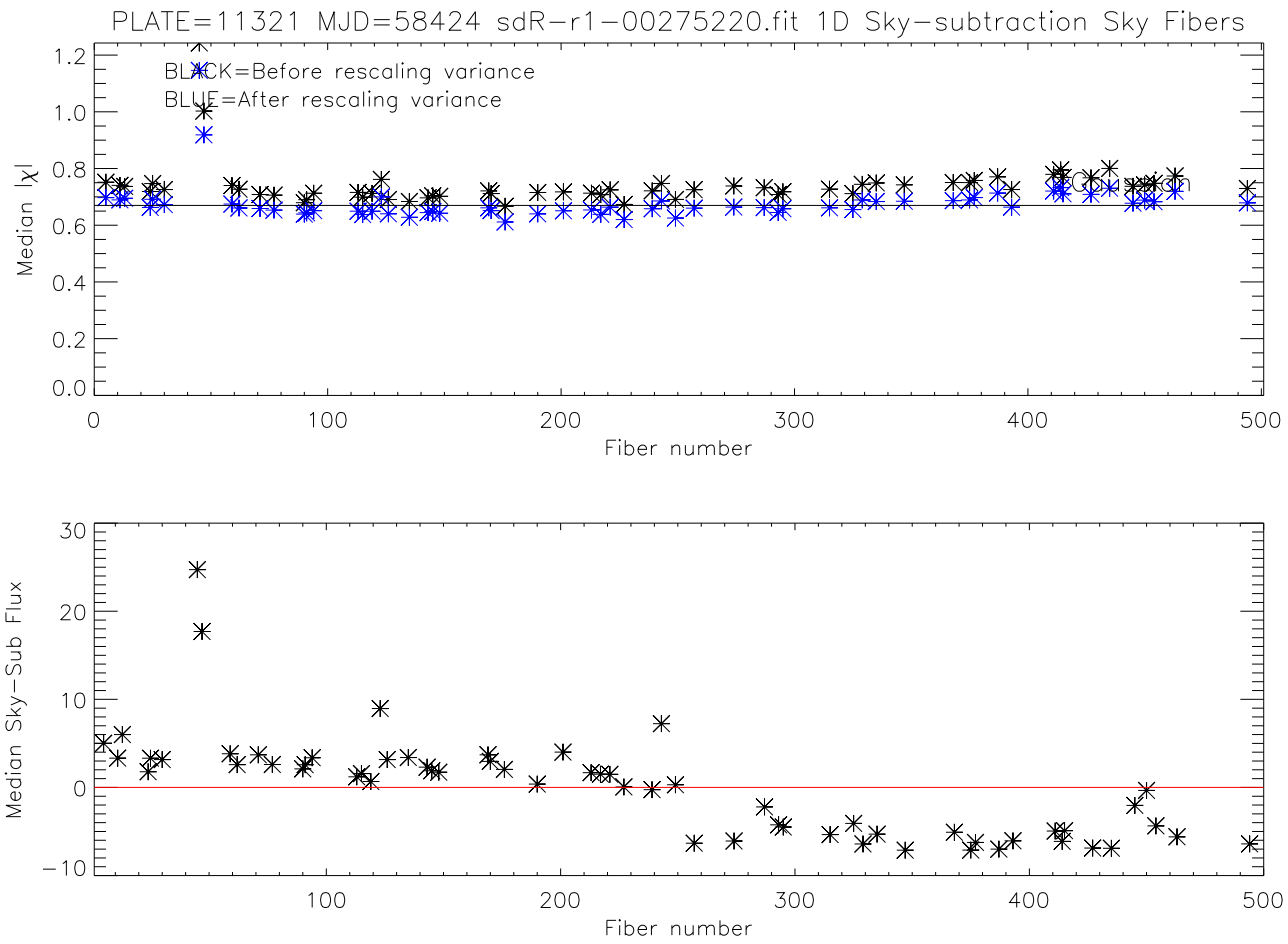

PLATE=11321 MJD=58424 Arcline Fit for sdR-r1-00275218.fit
Fiber Number
500
400
300
200
100
0
5.0×10^3
6.0×10^3
7.0×10^3
8.0×10^3
9.0×10^3
1.0×10^4
1.1×10^4
λ [A] + 300 * Deviation
Ncoeff = 6
Deviation [pix]
0.15
0.10
0.05
−0.00
−0.05
−0.10
−0.15
λ [A]
Mon May 11 18:31:09 2020

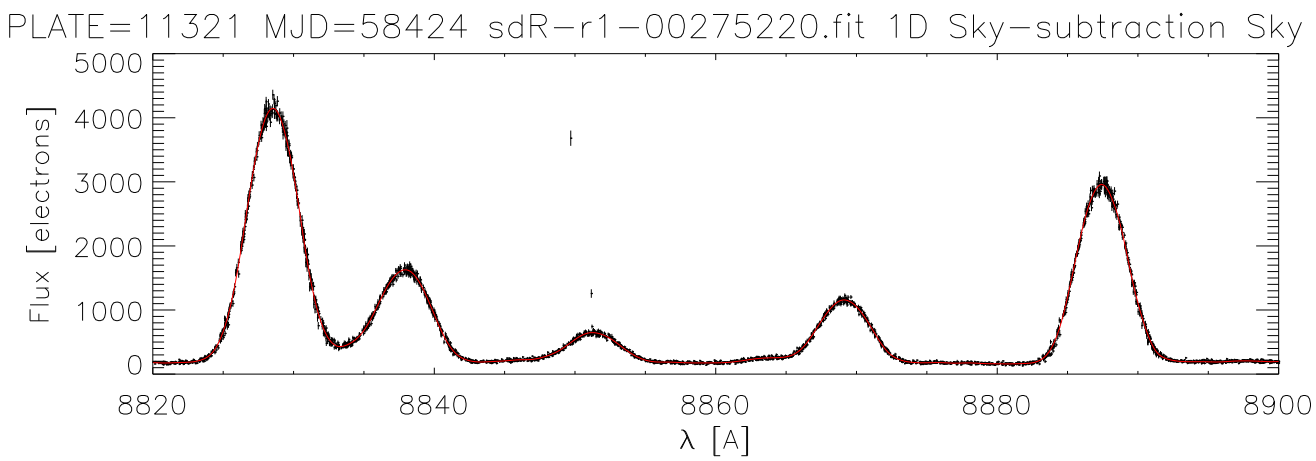

PLATE=11321 MJD=58424 Fiber-Flats for sdR-r1-00275219.fit
BLACK = Median value
ENVELOPE = 95% of points
GREEN = Outlier points
Min value =-1068.881
Max value = 25.414
Fiber-Flat
1.5
1.0
0.5
0.0
6000
7000
8000
9000
10000
λ [A]
Mon May 11 18:31:24 2020

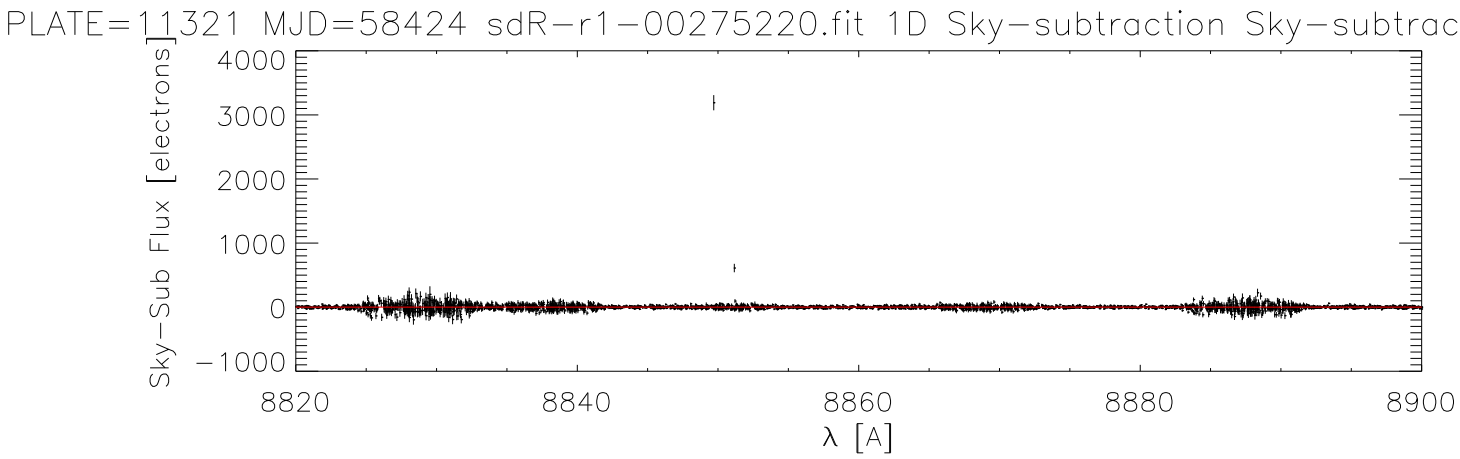

PLATE=11321 MJD=58424 Extraction chi^2 for sdR−r1−00275220.fit
BLACK = Final chisq extraction
χ^2
1.0
0.8
0.6
0.4
0.2
0.0
0
1000
2000
3000
4000
Row number


PLATE=11321 MJD=58424 Sky Line Deviations for sdR-r1-00275220.fit
Before shift
After shift
1.00 pix
Fiber Number
500
400
300
200
100
0
5460557763006363655369236949757177947821839984308885891993759439987 2 ****
Sky Line Wavelength

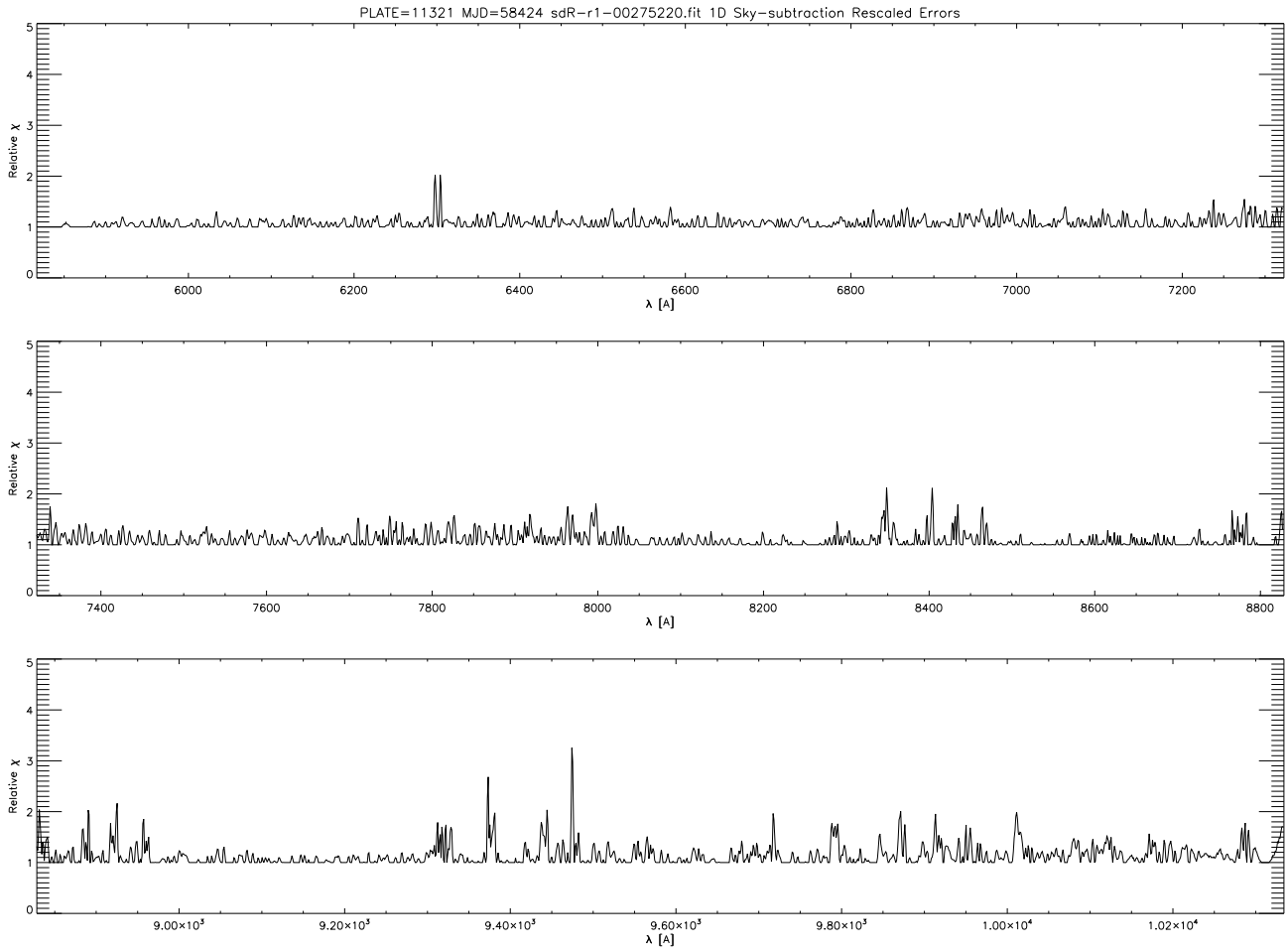

PLATE=11321 MJD=58424 Smooth superflat for sdR-r1-00275220.fit
2.0
1.5
1.0
0.5
0.0
1.04
1.02
1.00
0.98
0.96
5.0×10^3
6.0×10^3
7.0×10^3
8.0×10^3
9.0×10^3
1.0×10^4
1.1×10^4
Wavelength (Å)

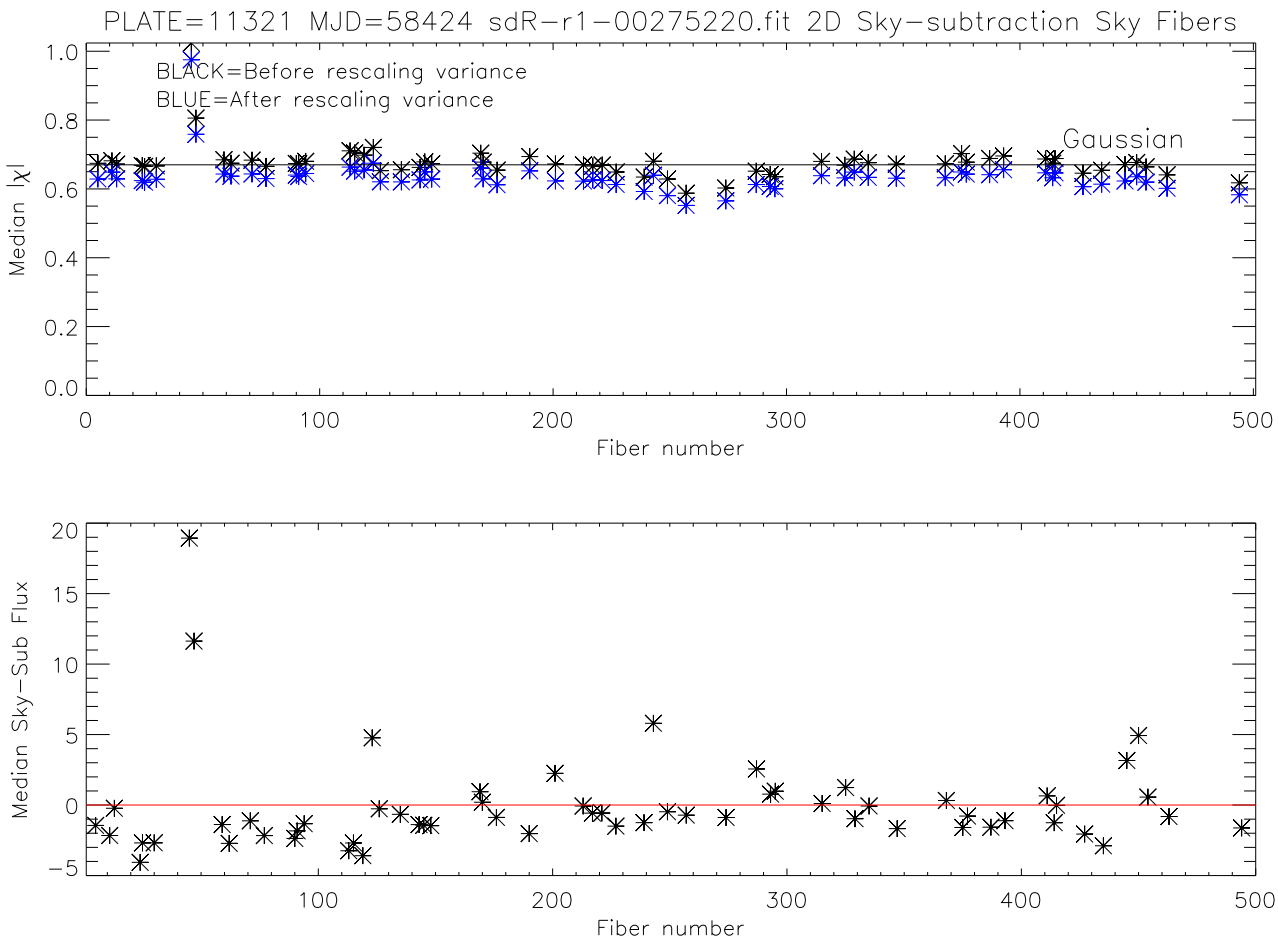

PLATE=11321 MJD=58424 sdR-r1-00275220.fit 1D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

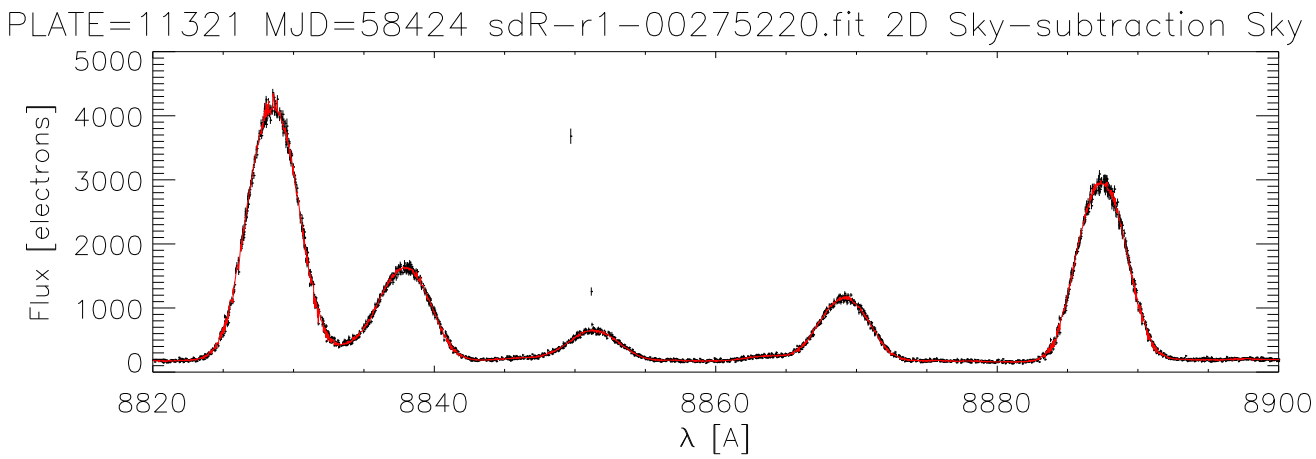

PLATE=11321 MJD=58424 sdR-r1-00275220.fit 1D Sky-subtraction Sky Fibers
Flux [electrons]
5000
4000
3000
2000
1000
0
8820
8840
8860
8880
8900
λ [A]

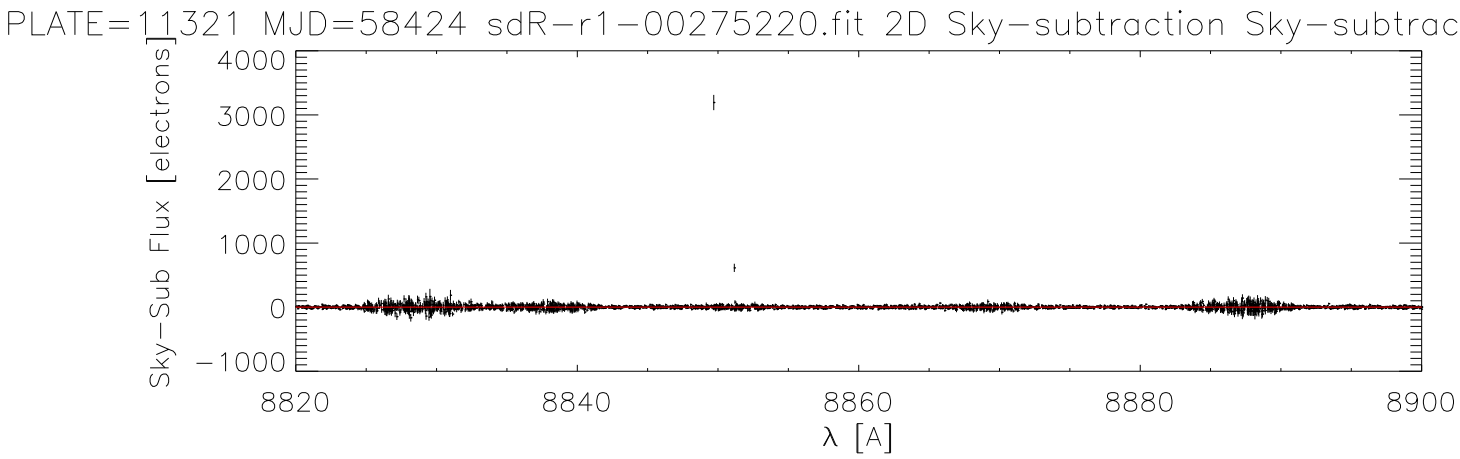

PLATE=11321 MJD=58424 sdR-r1-00275220.fit 1D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
4000
3000
2000
1000
0
-1000
8820
8840
8860
8880
8900
λ [A]

Number of sky fibers = 61

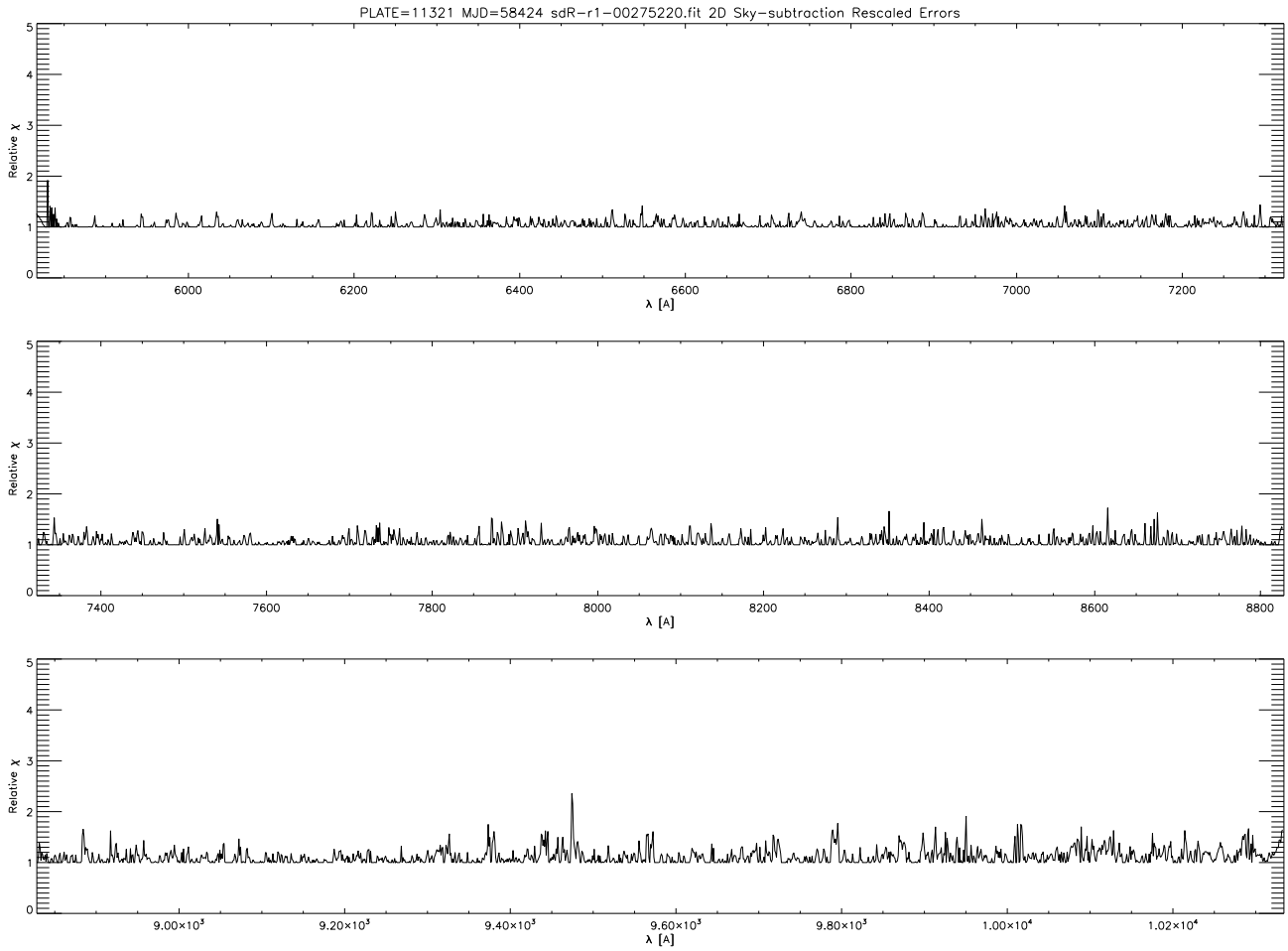


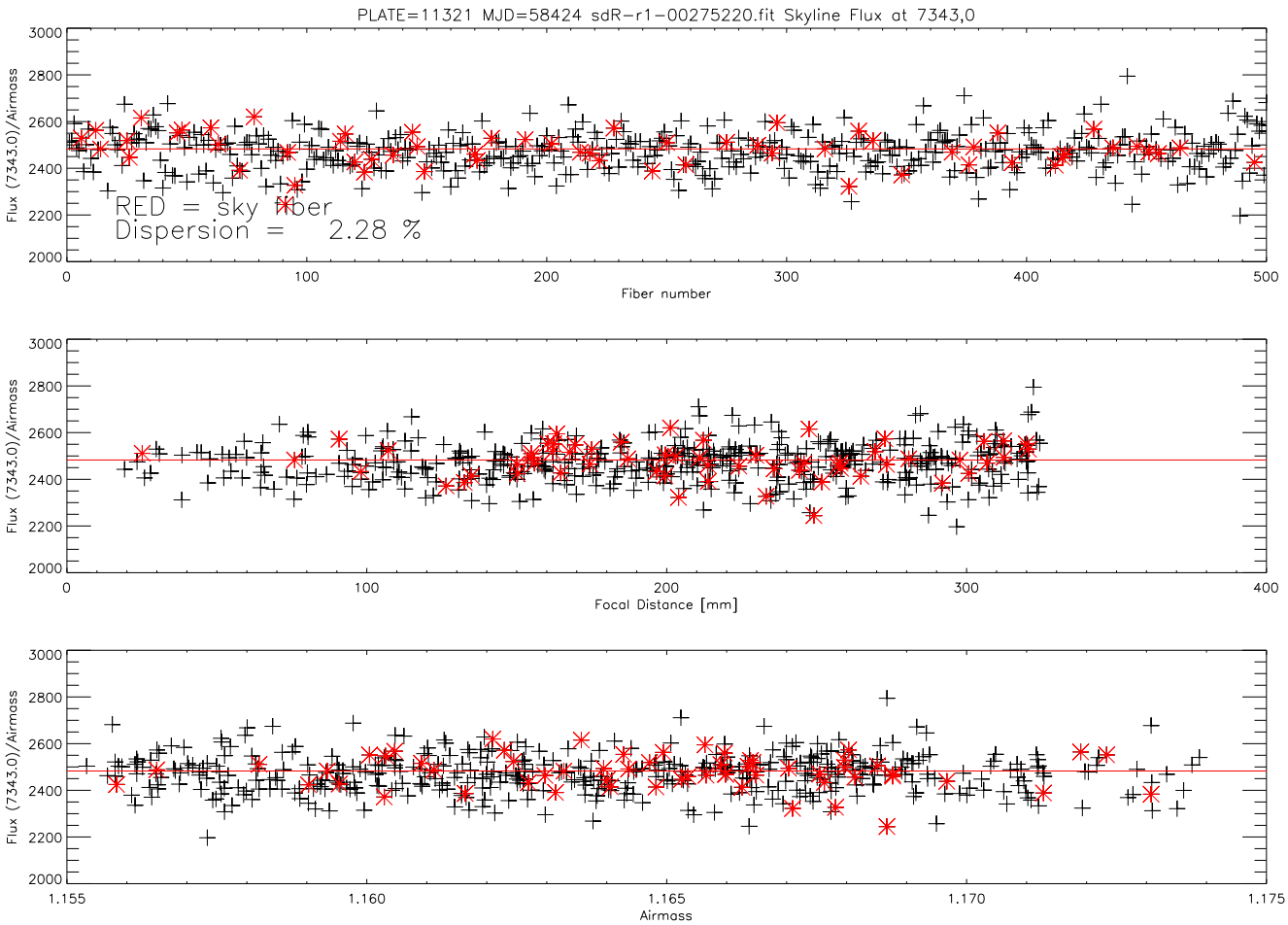

PLATE=11321 MJD=58424 sdR-r1-00275220.fit 2D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

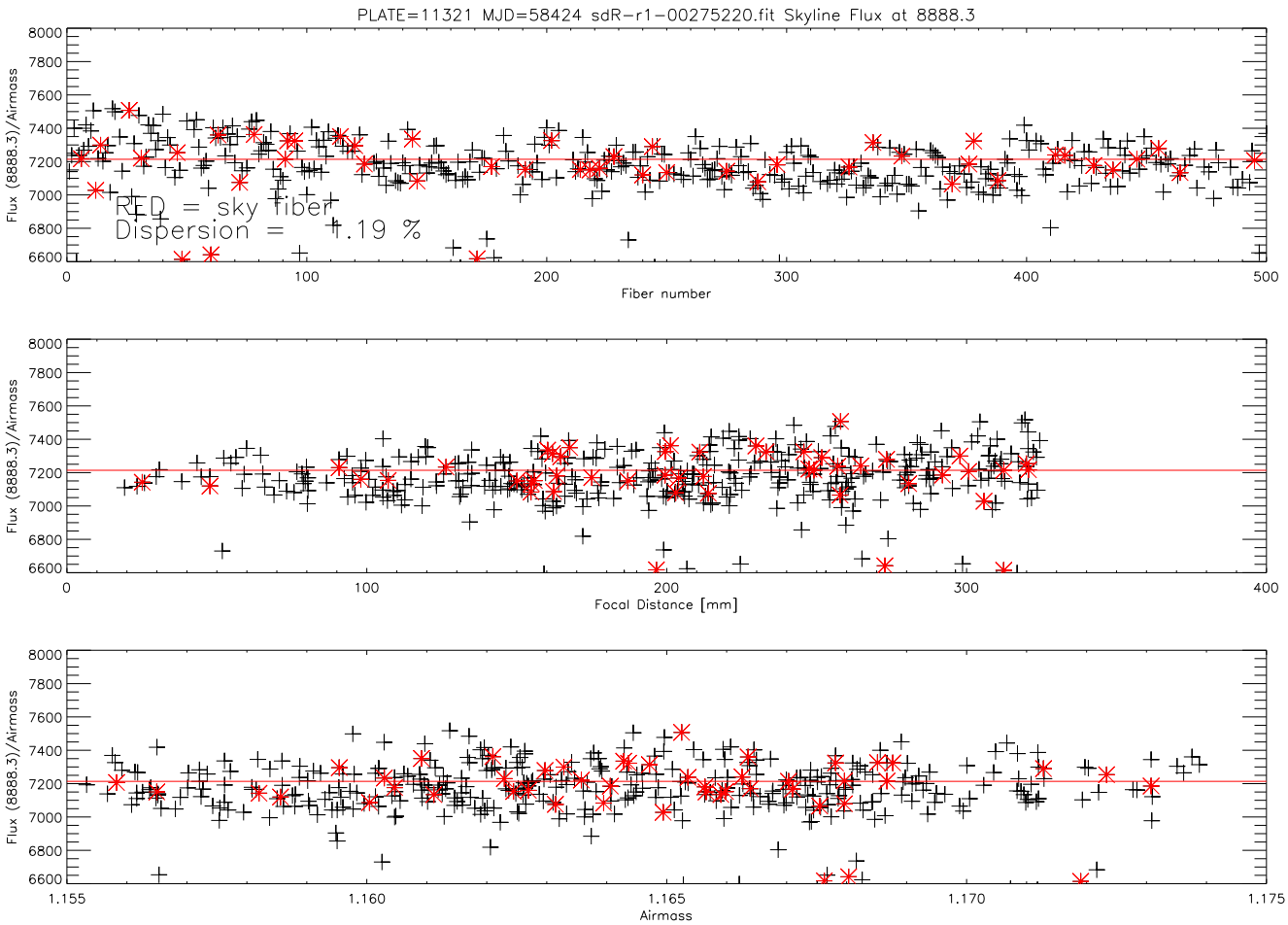

PLATE=11321 MJD=58424 sdR-r1-00275220.fit 2D Sky-subtraction Sky Fibers
Flux [electrons]
5000
4000
3000
2000
1000
0
8820
8840
8860
8880
8900
λ [A]

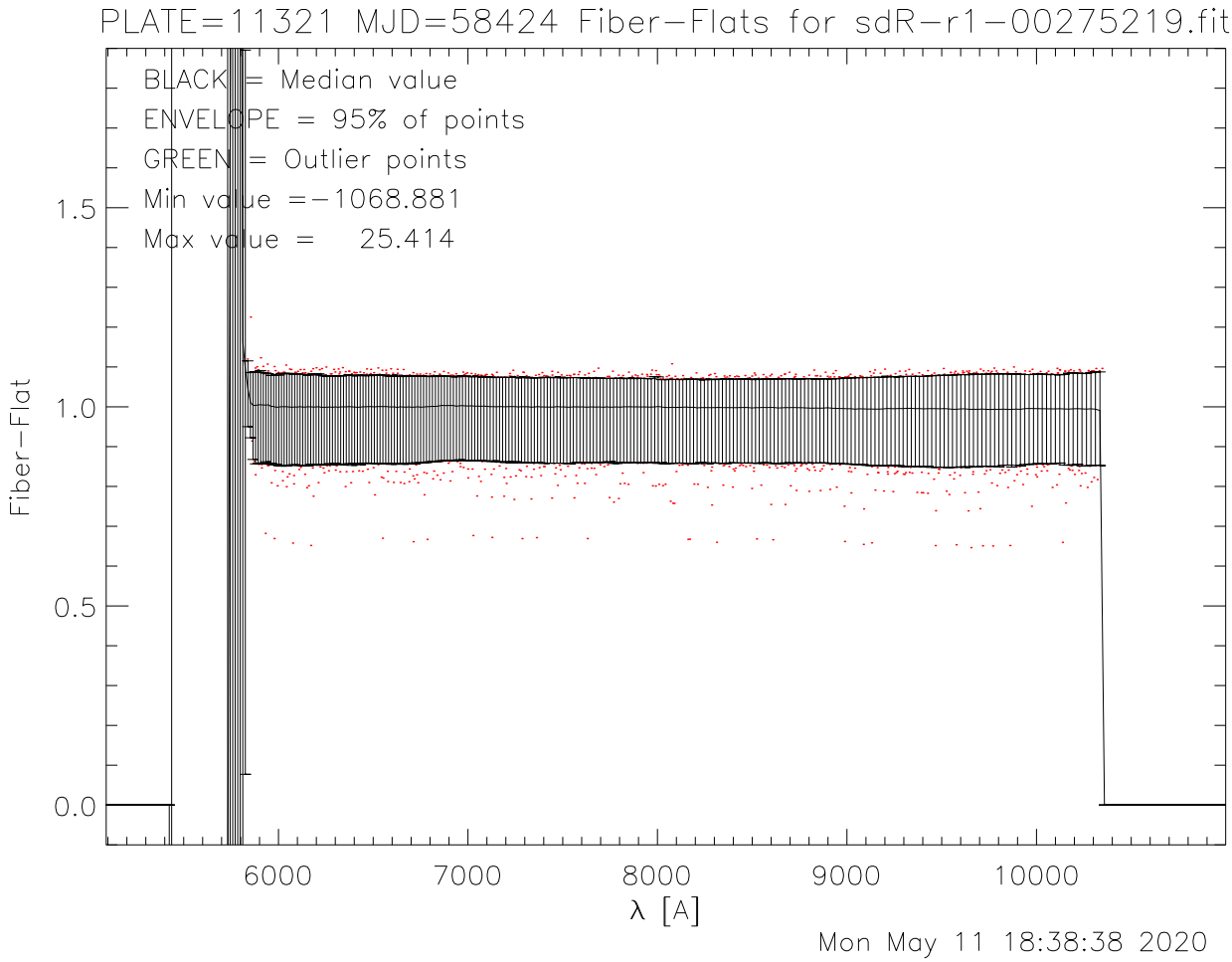

PLATE=11321 MJD=58424 sdR-r1-00275220.fit 2D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
4000
3000
2000
1000
0
-1000
8820
8840
8860
8880
8900
λ [A]

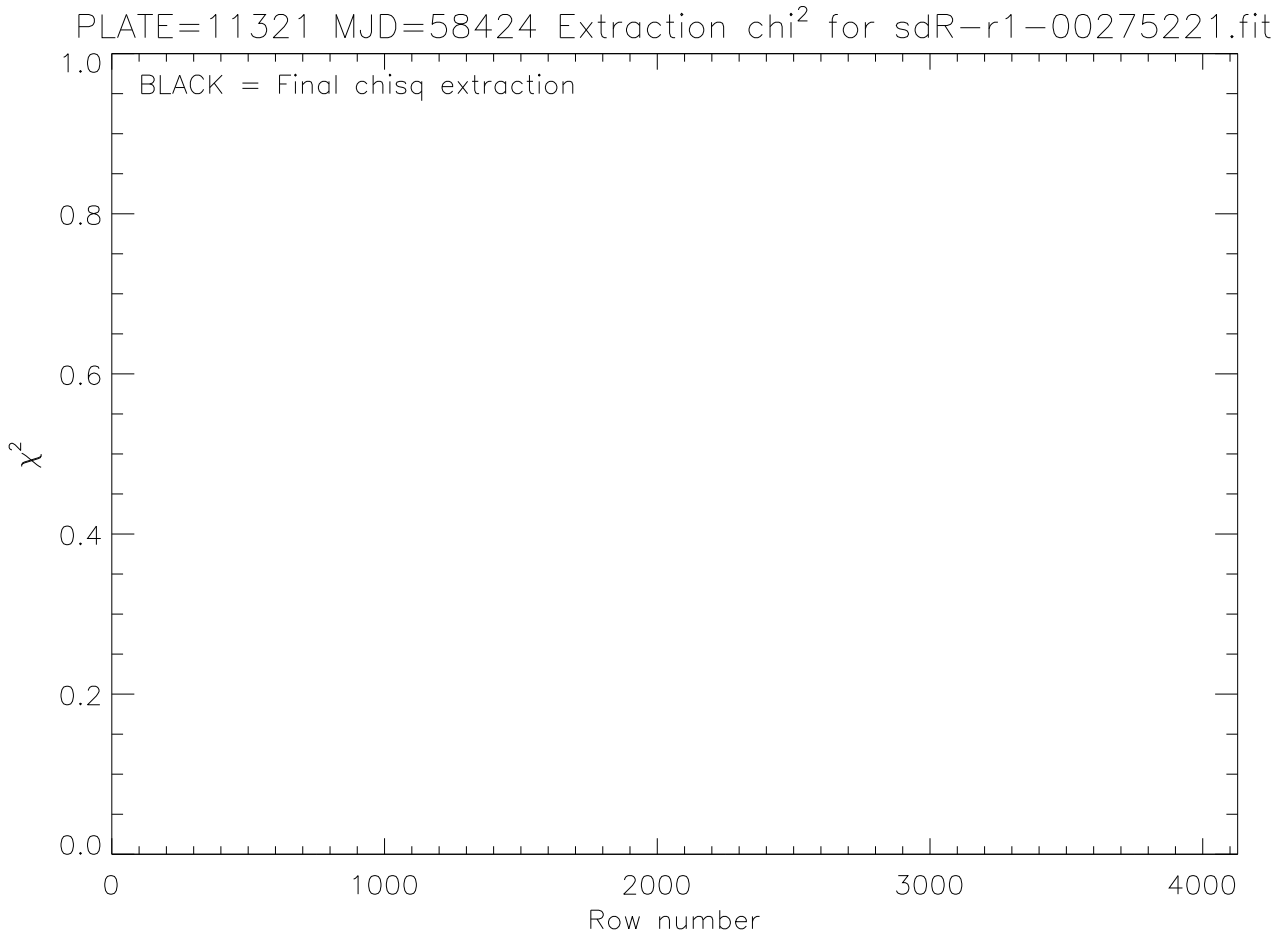
Number of sky fibers = 61

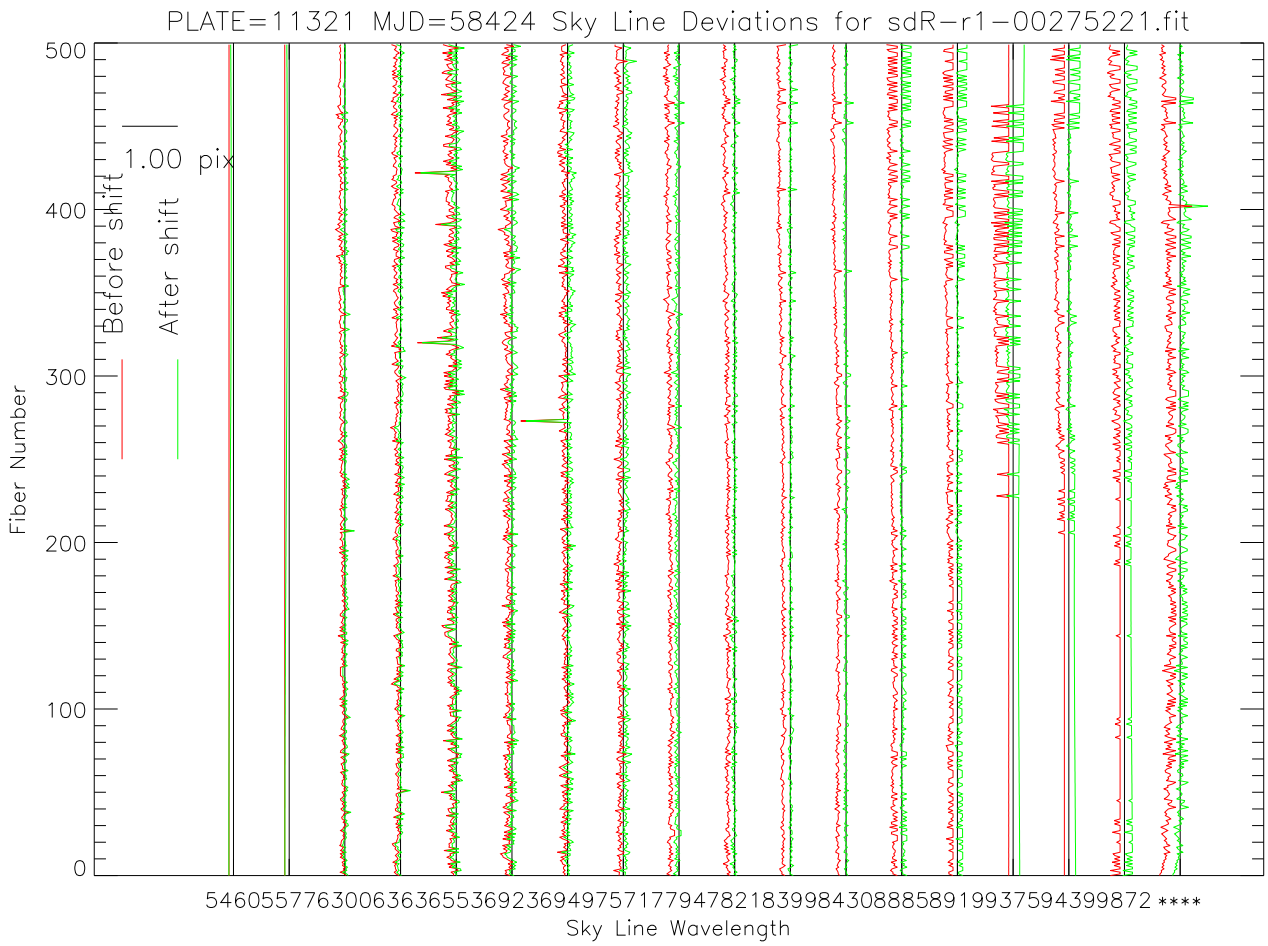


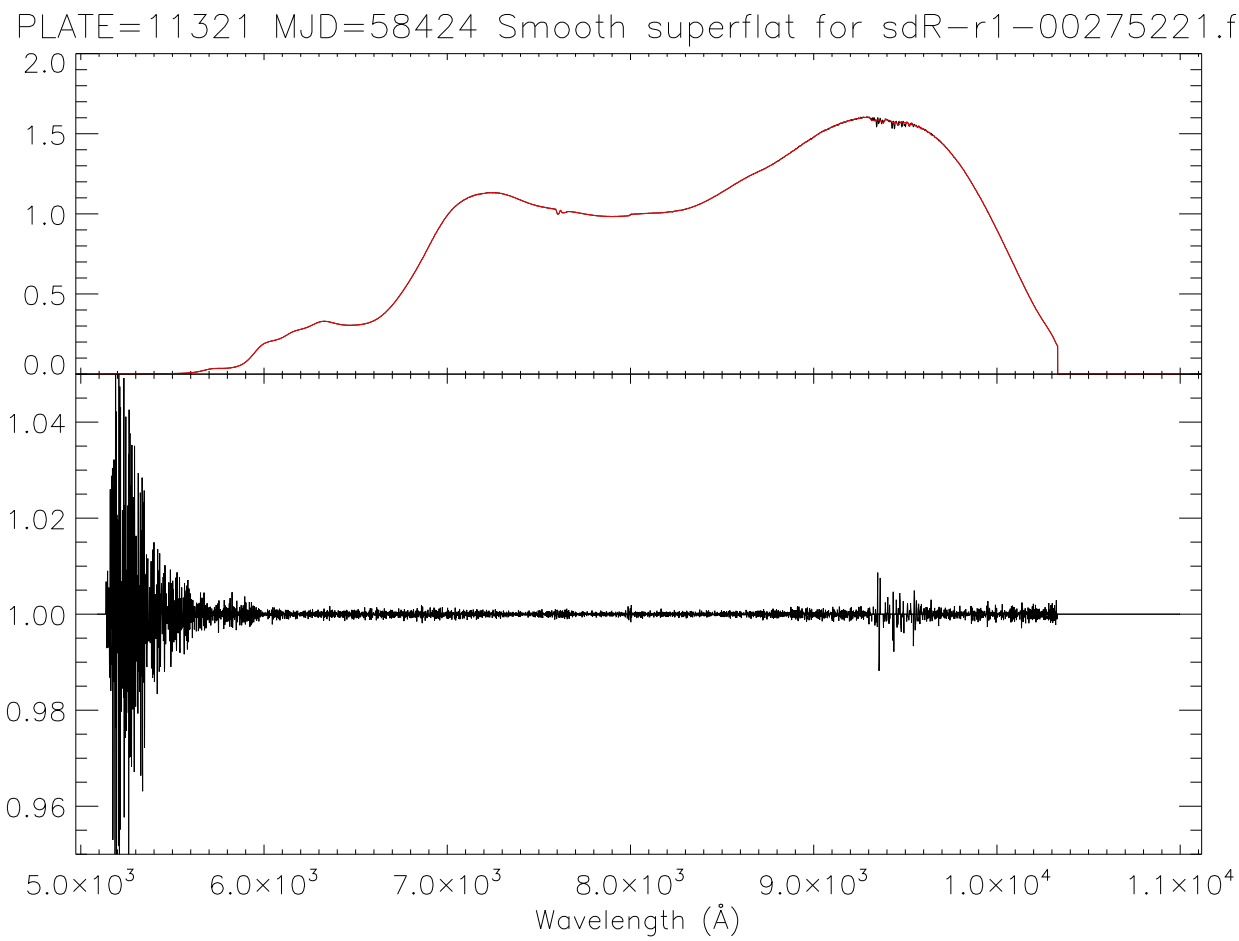

PLATE=11321 MJD=58424 sdR-r1-00275220.fit Skyline Flux at 7343,0
Flux (7343.0)/Airmass
RED = sky fiber
Dispersion = 2.28 %
Fiber number
Focal Distance [mm]
Airmass

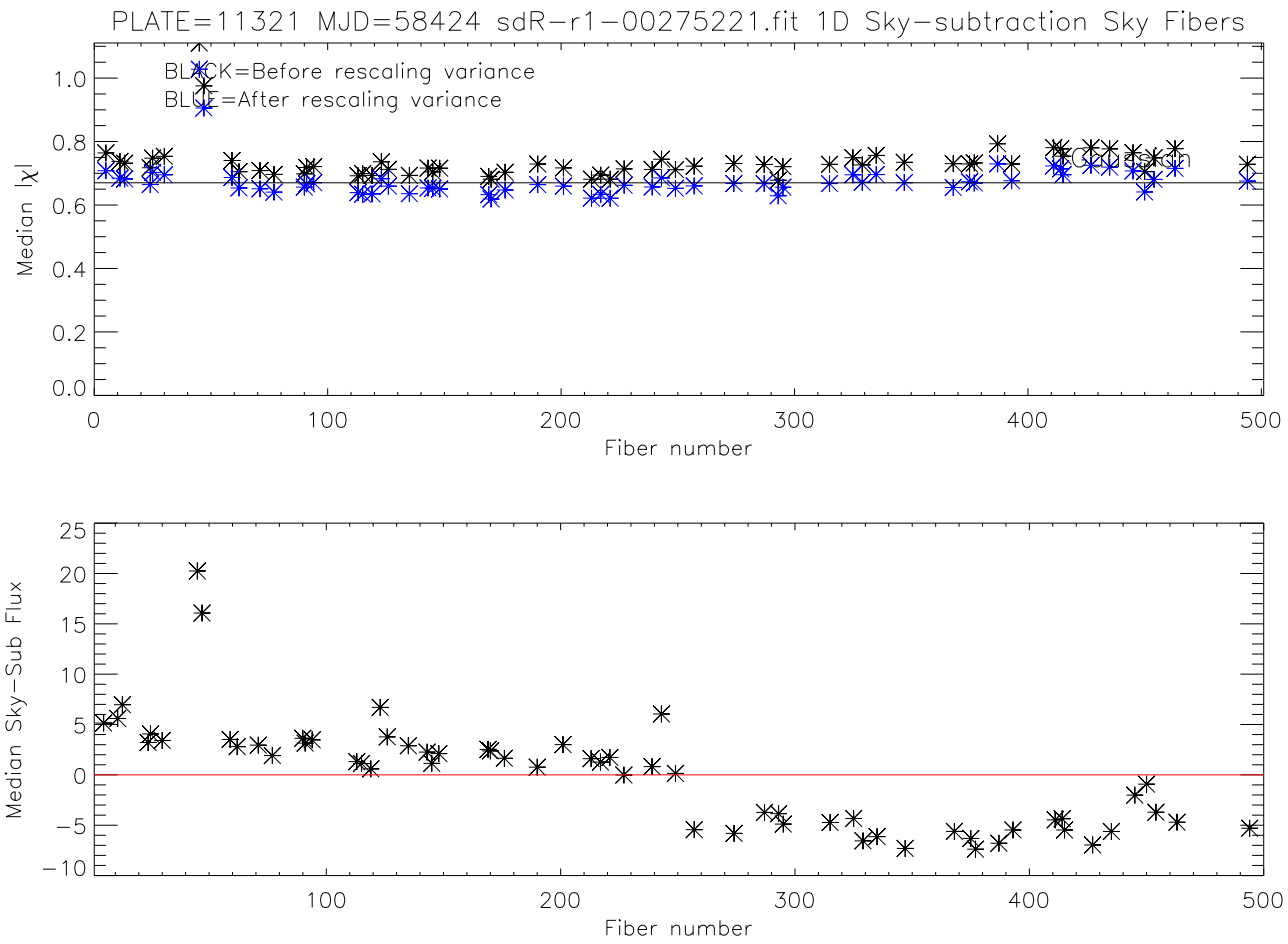

PLATE=11321 MJD=58424 sdR-r1-00275220.fit Skyline Flux at 8888.3
Flux (8888.3)/Airmass
RED = sky fiber
Dispersion = 1.19 %
Fiber number
Flux (8888.3)/Airmass
Focal Distance [mm]
Flux (8888.3)/Airmass
Airmass

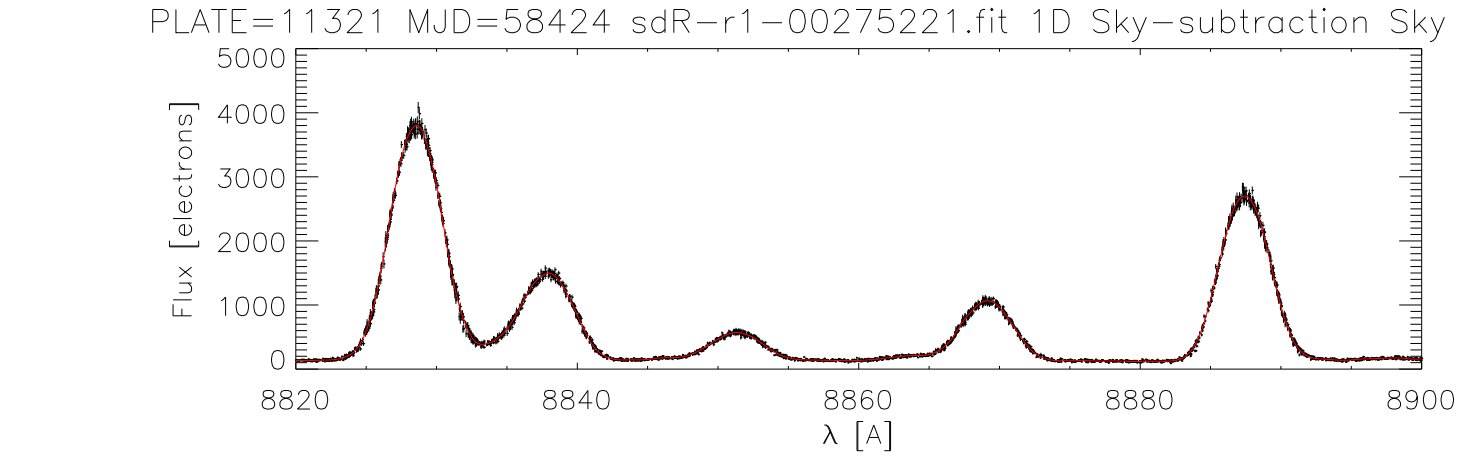

PLATE=11321 MJD=58424 Fiber-Flats for sdR-r1-00275219.fit
BLACK = Median value
ENVELOPE = 95% of points
GREEN = Outlier points
Min value =-1068.881
Max value = 25.414
Fiber-Flat
1.5
1.0
0.5
0.0
6000
7000
8000
9000
10000
λ [A]
Mon May 11 18:38:38 2020

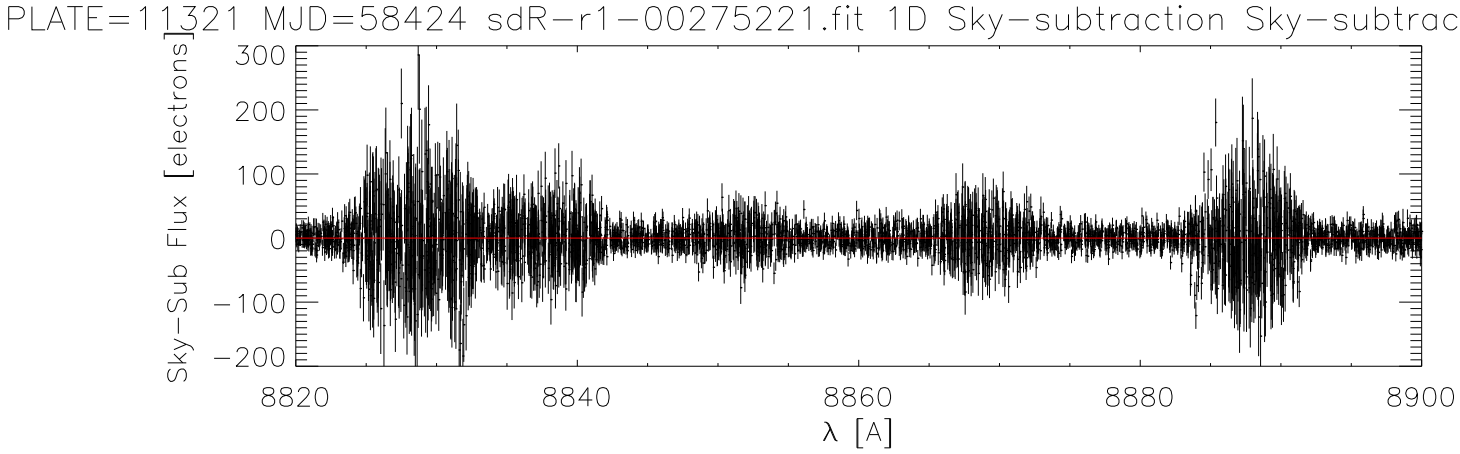

PLATE=11321 MJD=58424 Extraction chi^2 for sdR−r1−00275221.fit
BLACK = Final chisq extraction
1.0
0.8
0.6
0.4
0.2
0.0
χ^2
0
1000
2000
3000
4000
Row number


PLATE=11321 MJD=58424 Sky Line Deviations for sdR-r1-00275221.fit
Before shift
After shift
1.00 pix
Fiber Number
0
100
200
300
400
500
5460557763006363655369236949757177947821839984308885891993759439987 2 ****
Sky Line Wavelength

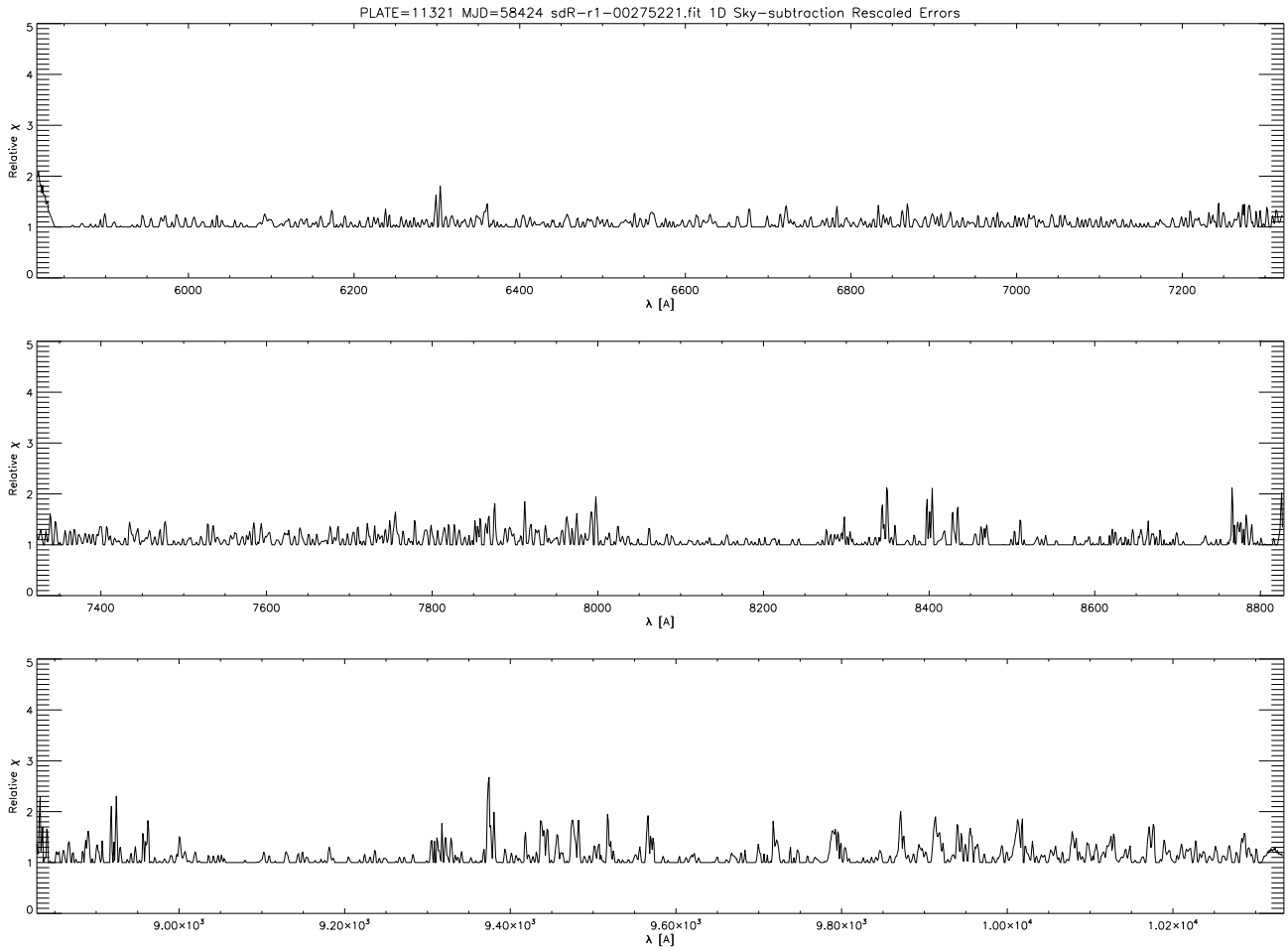

PLATE=11321 MJD=58424 Smooth superflat for sdR-r1-00275221.fit
2.0
1.5
1.0
0.5
0.0
1.04
1.02
1.00
0.98
0.96
5.0×10^3
6.0×10^3
7.0×10^3
8.0×10^3
9.0×10^3
1.0×10^4
1.1×10^4
Wavelength (Å)

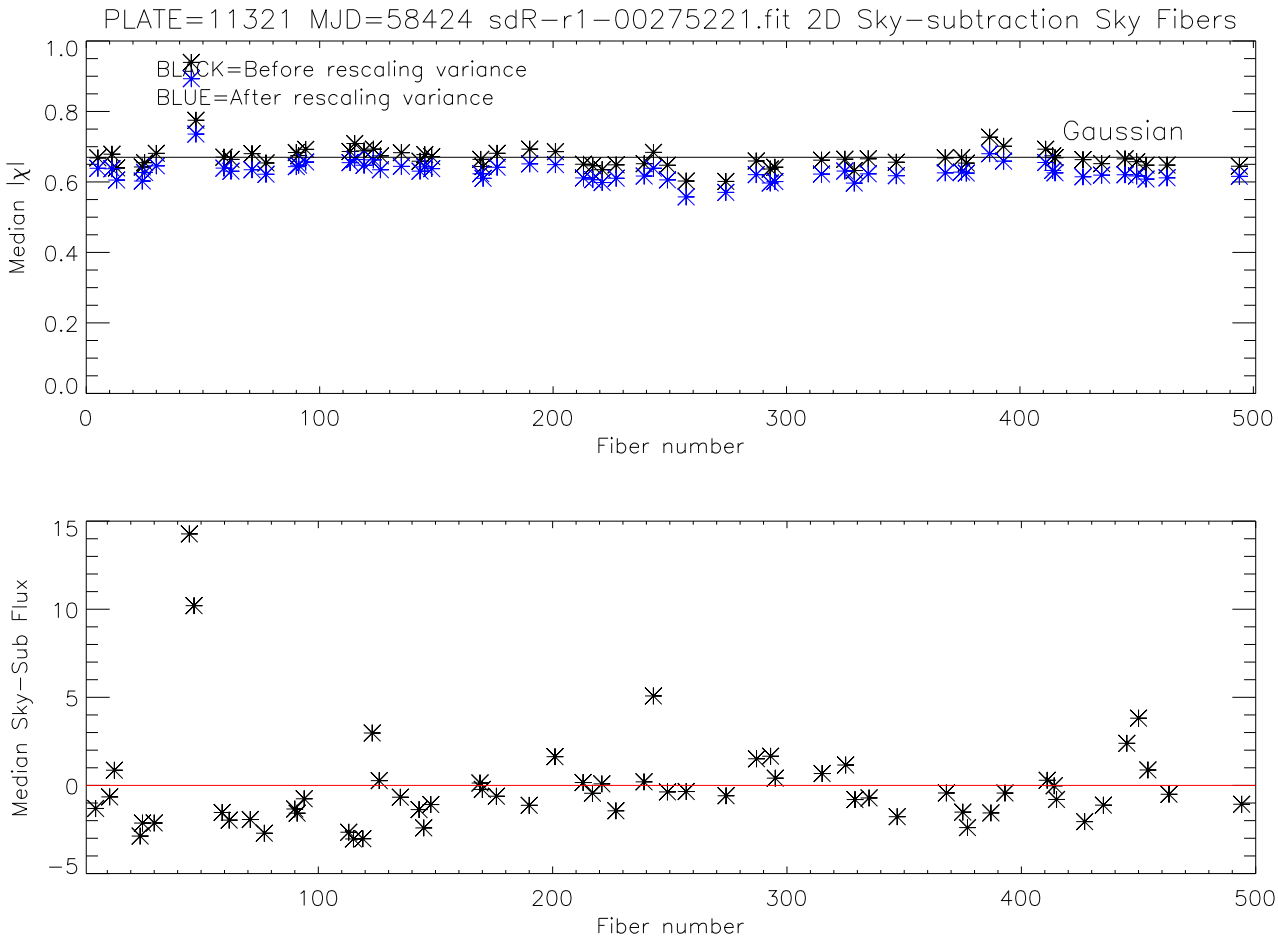

PLATE=11321 MJD=58424 sdR-r1-00275221.fit 1D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

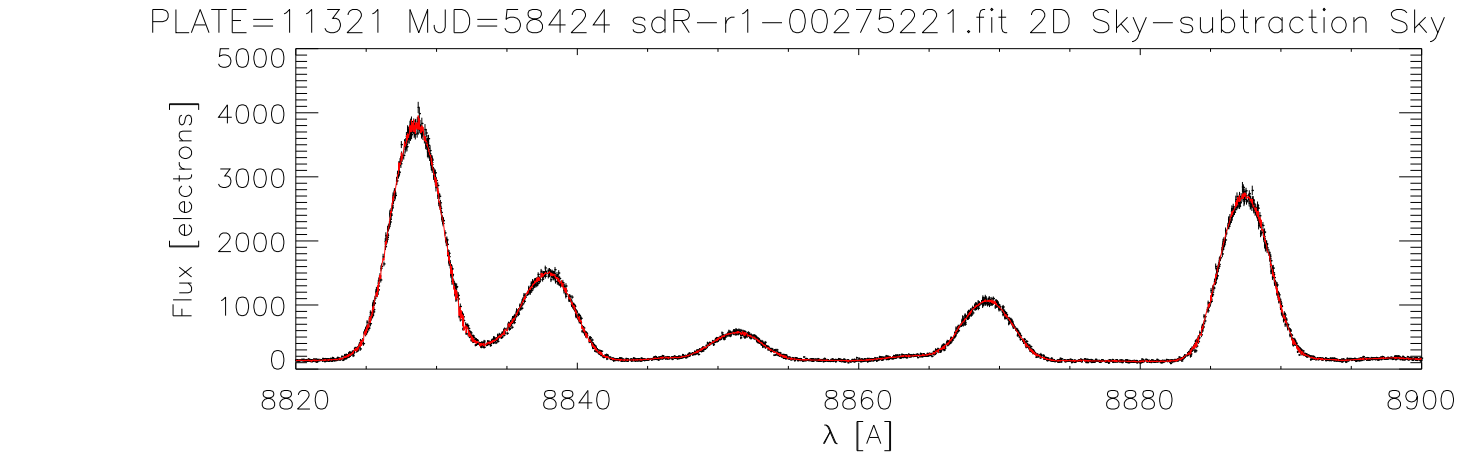

PLATE=11321 MJD=58424 sdR-r1-00275221.fit 1D Sky-subtraction Sky Fibers
Flux [electrons]
5000
4000
3000
2000
1000
0
8820
8840
8860
8880
8900
λ [A]

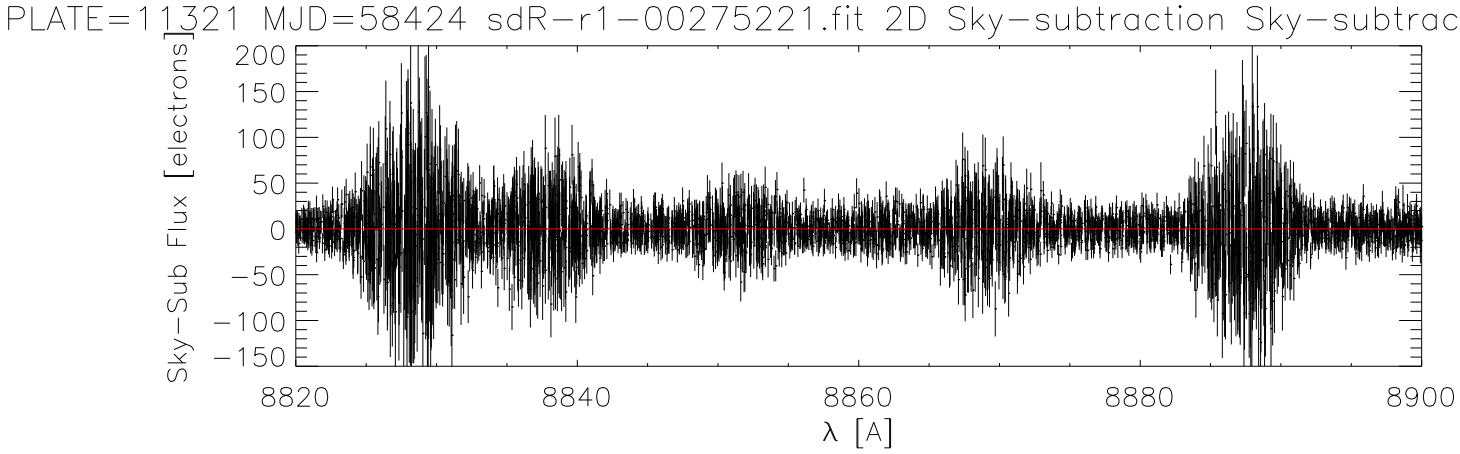

PLATE=11321 MJD=58424 sdR-r1-00275221.fit 1D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
300
200
100
0
-100
-200
8820
8840
8860
8880
8900
λ [A]

Number of sky fibers = 61

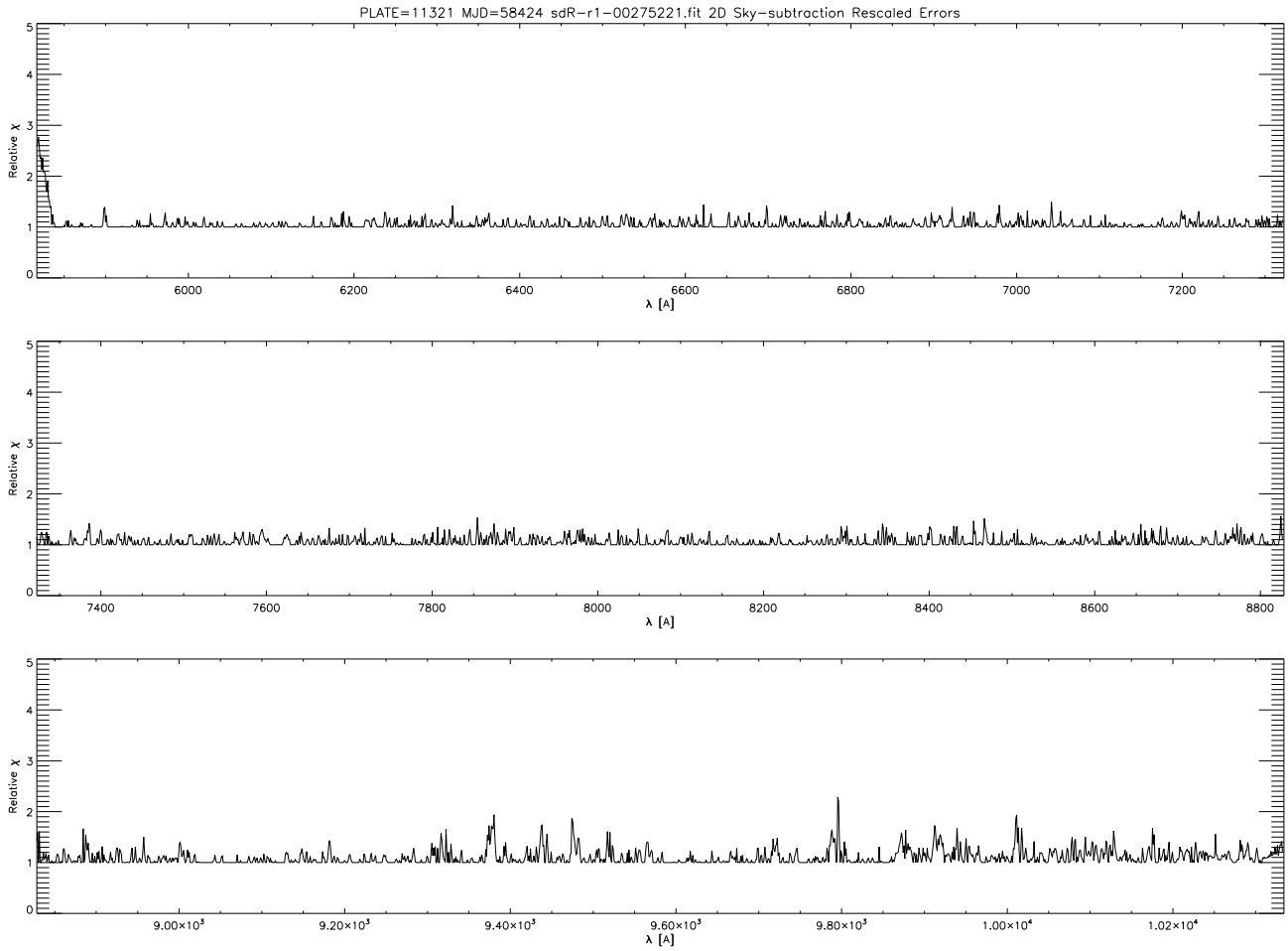


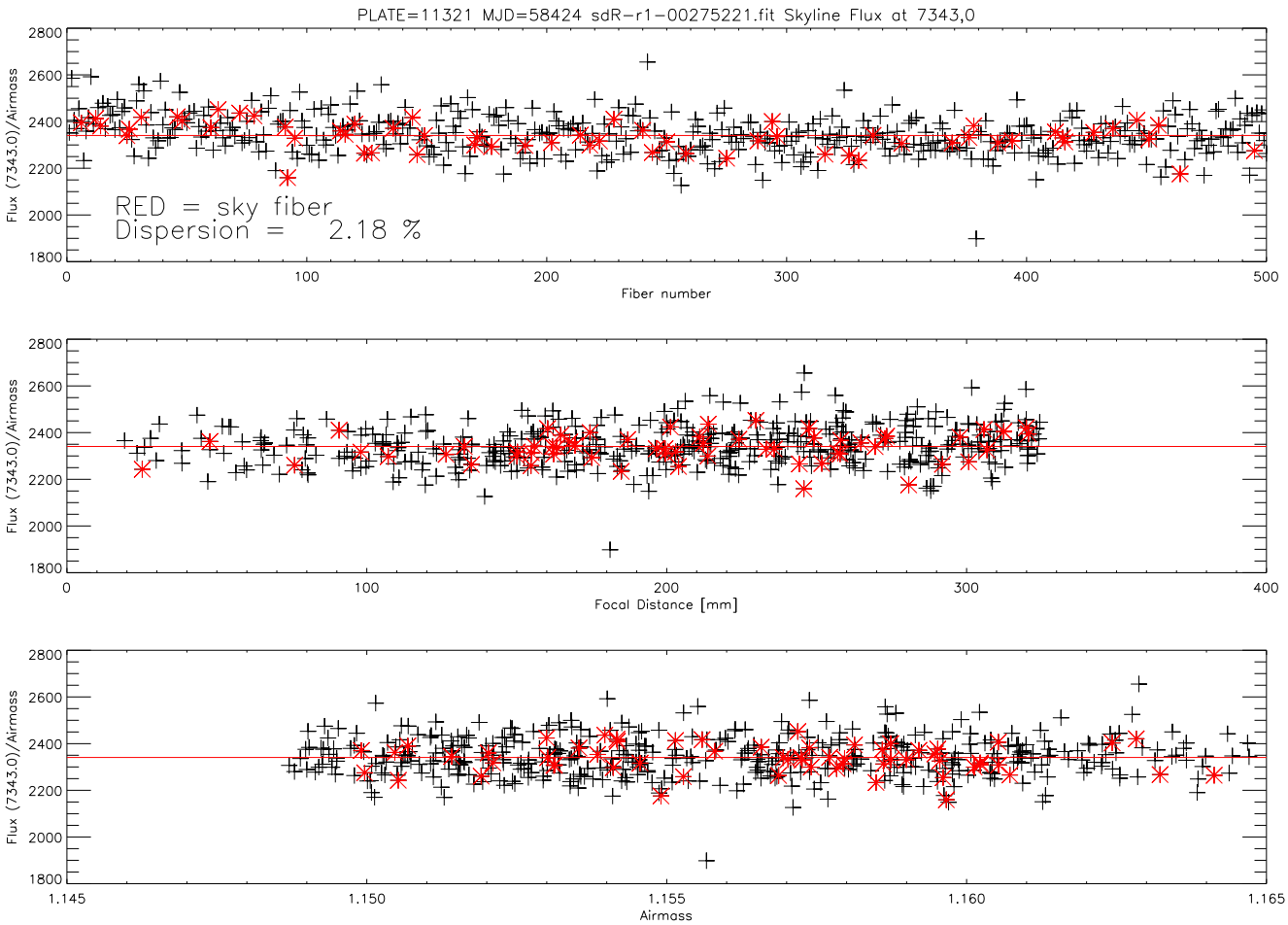

PLATE=11321 MJD=58424 sdR-r1-00275221.fit 2D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

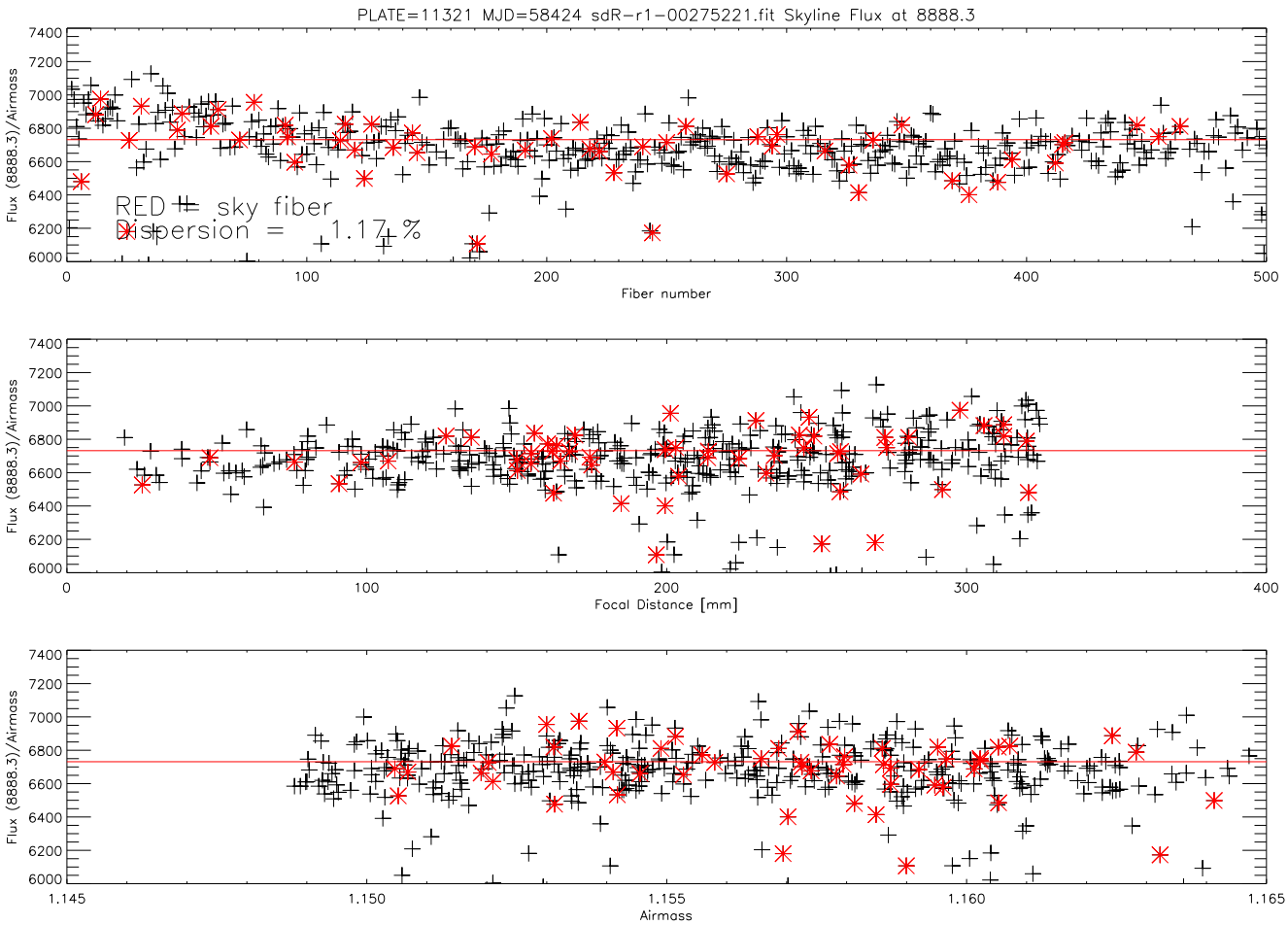

PLATE=11321 MJD=58424 sdR-r1-00275221.fit 2D Sky-subtraction Sky Fibers
Flux [electrons]
5000
4000
3000
2000
1000
0
8820
8840
8860
8880
8900
λ [A]

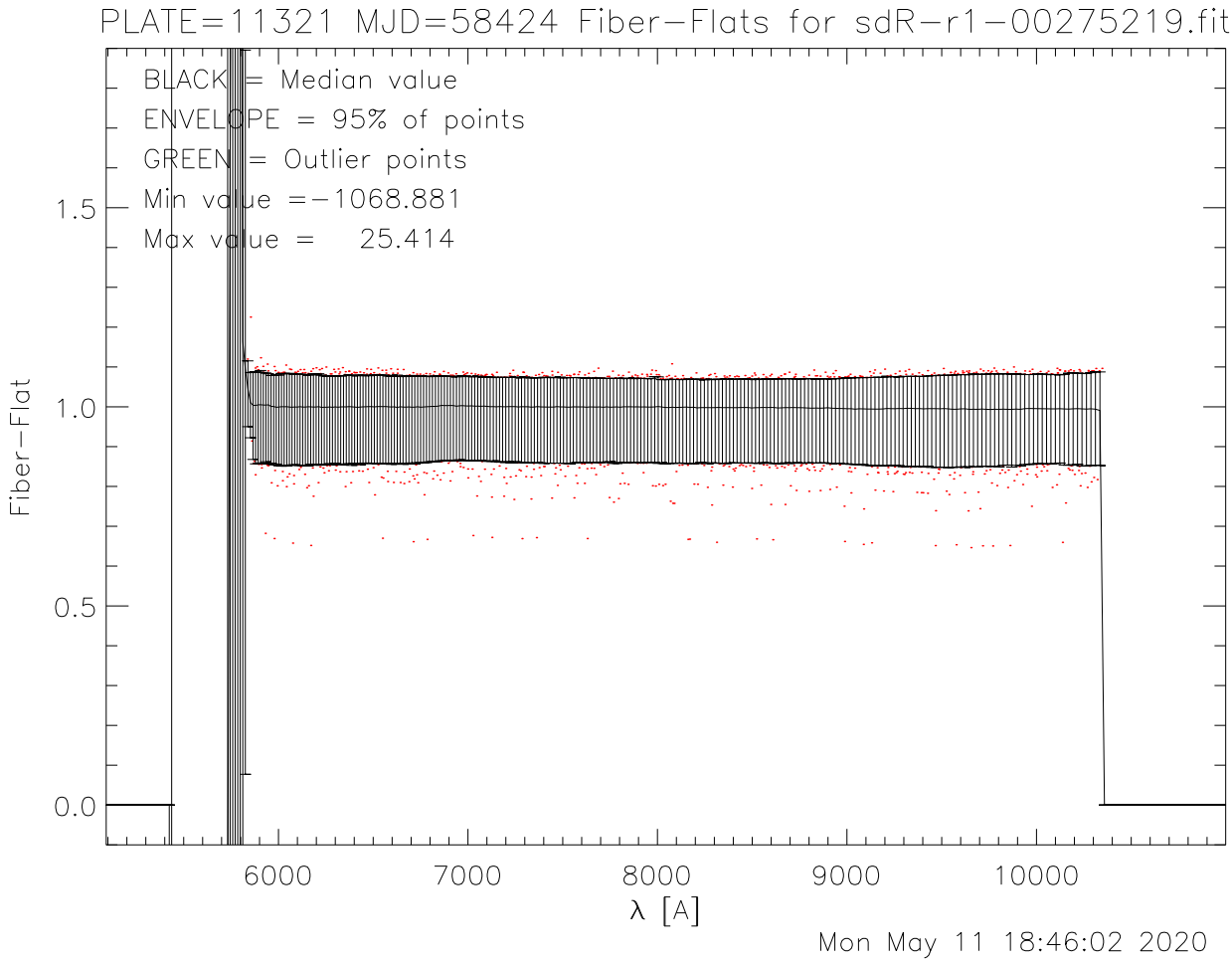

PLATE=11321 MJD=58424 sdR-r1-00275221.fit 2D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
200
150
100
50
0
-50
-100
-150
8820
8840
8860
8880
8900
λ [A]

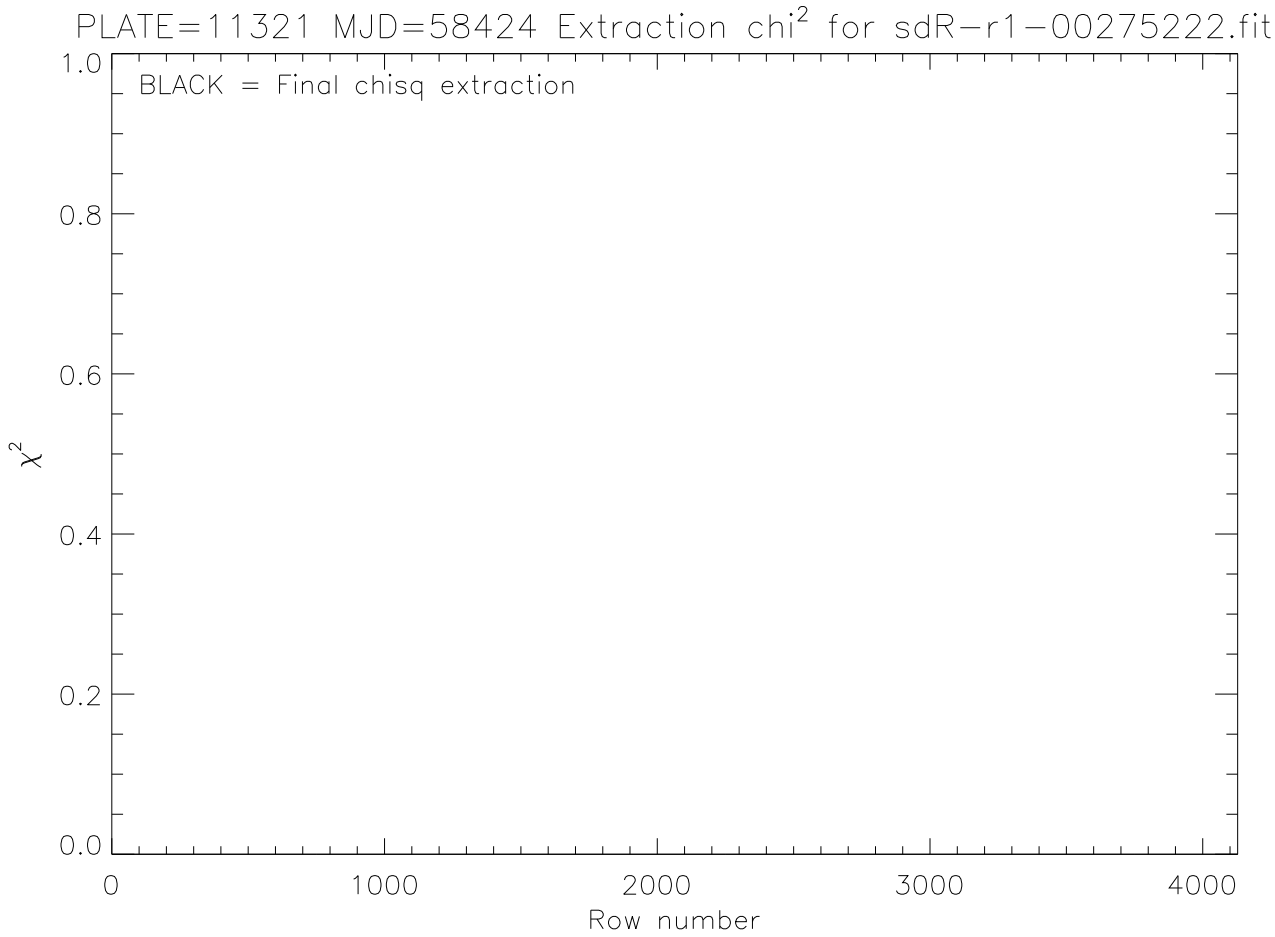
Number of sky fibers = 61

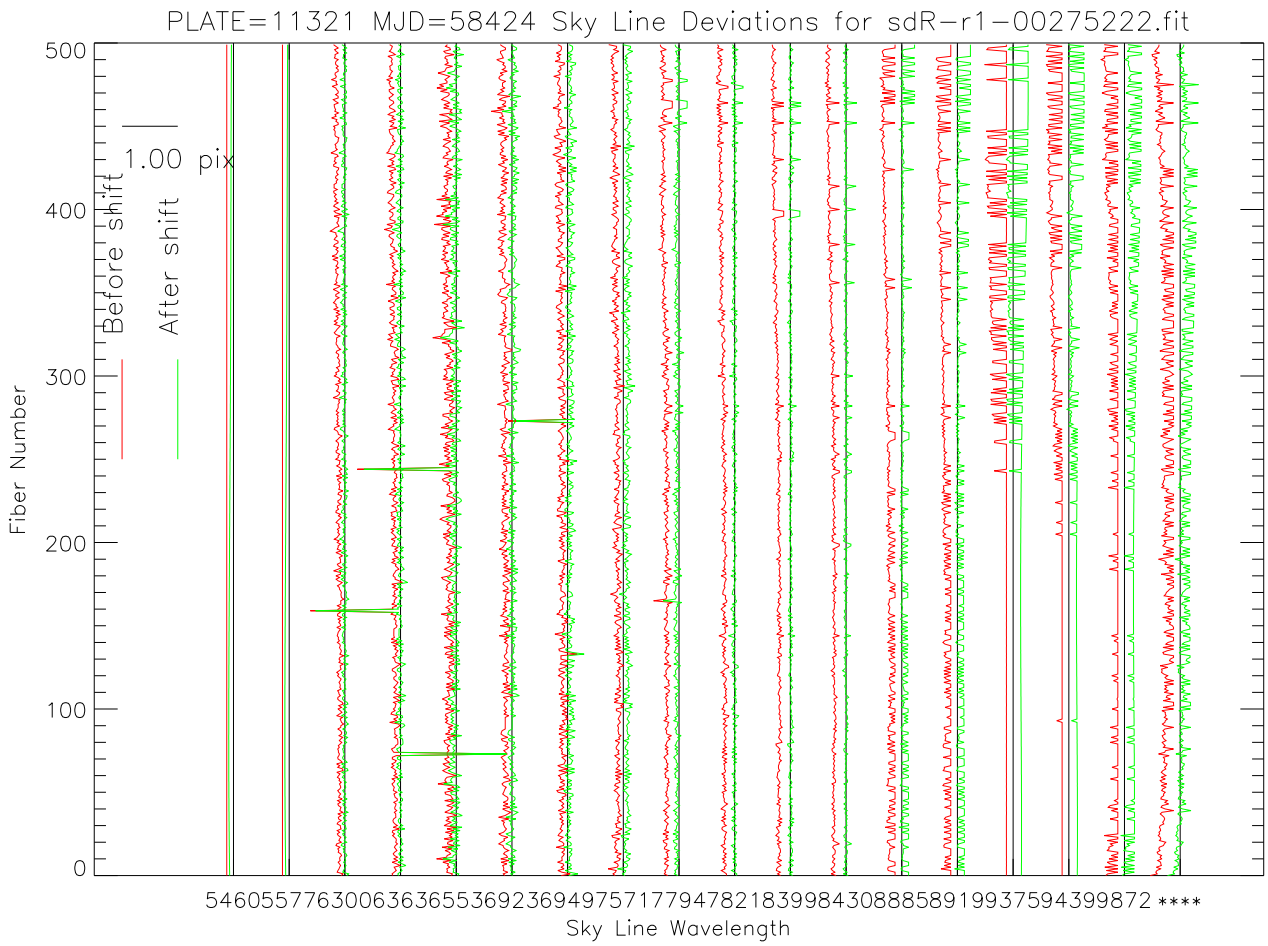


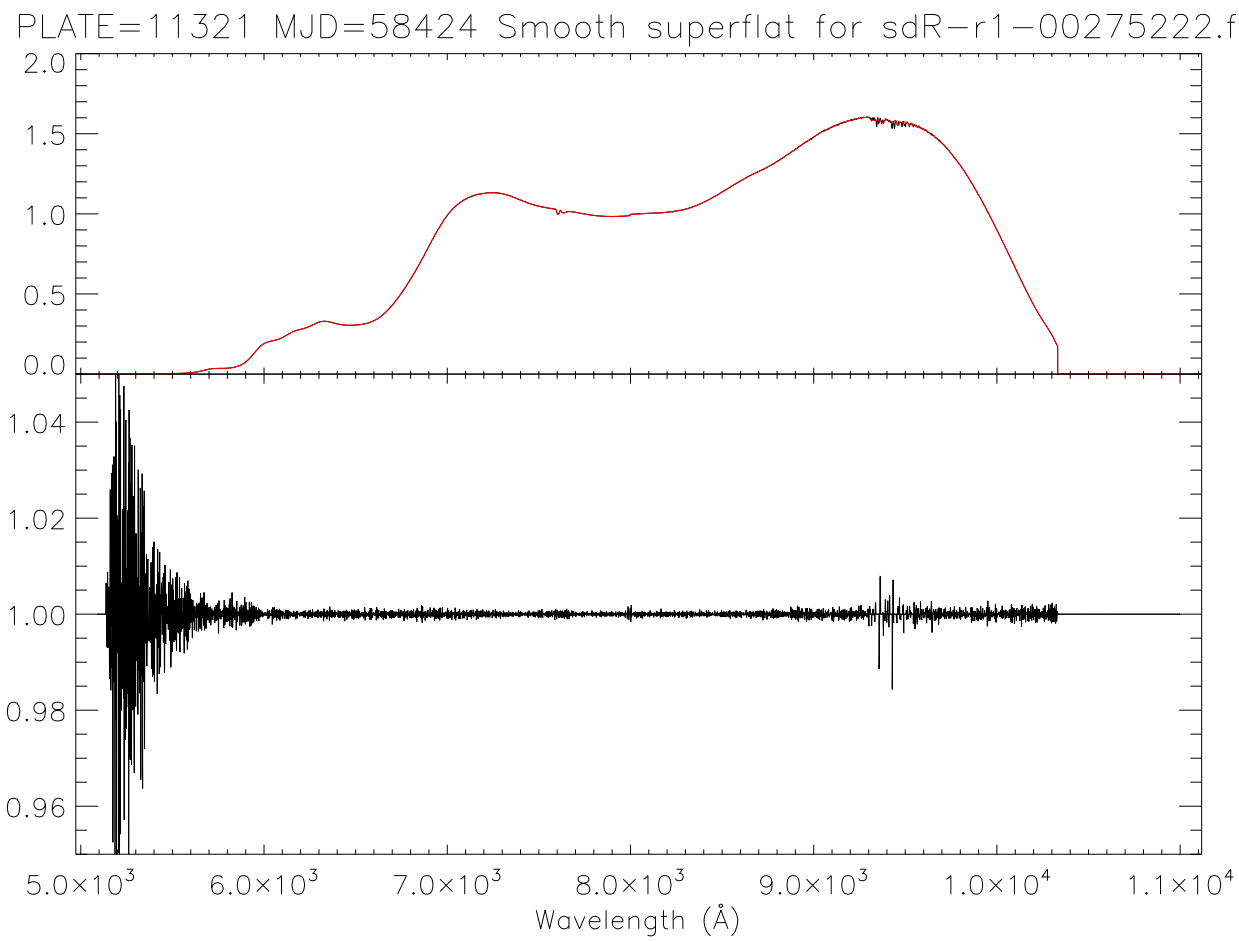

PLATE=11321 MJD=58424 sdR-r1-00275221.fit Skyline Flux at 7343,0
Flux (7343.0)/Airmass
RED = sky fiber
Dispersion = 2.18 %
Fiber number
Flux (7343.0)/Airmass
Focal Distance [mm]
Flux (7343.0)/Airmass
Airmass

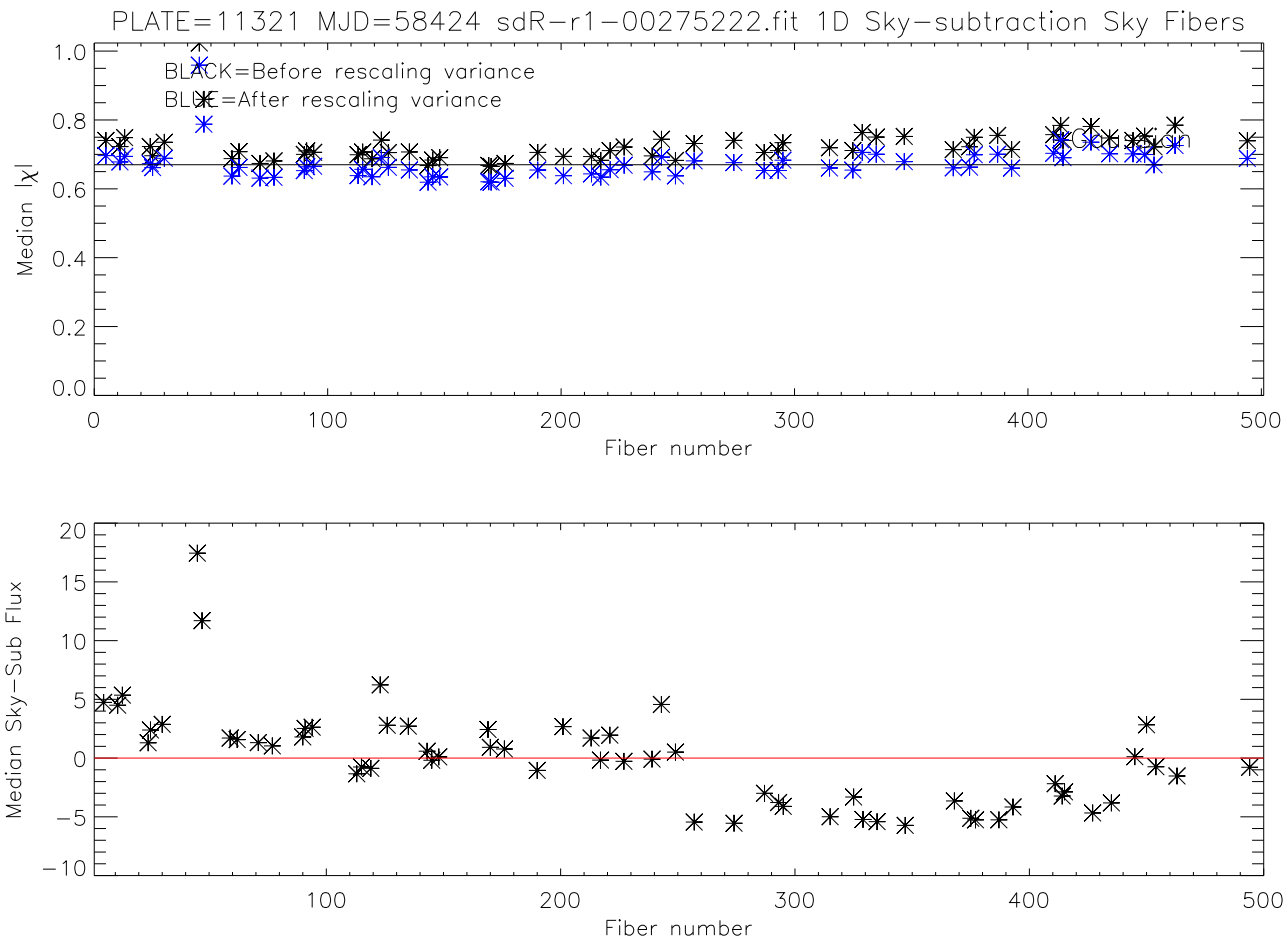

PLATE=11321 MJD=58424 sdR-r1-00275221.fit Skyline Flux at 8888.3
Flux (8888.3)/Airmass
Fiber number
RED = sky fiber
Dispersion = 1.17 %
Flux (8888.3)/Airmass
Focal Distance [mm]
Flux (8888.3)/Airmass
Airmass

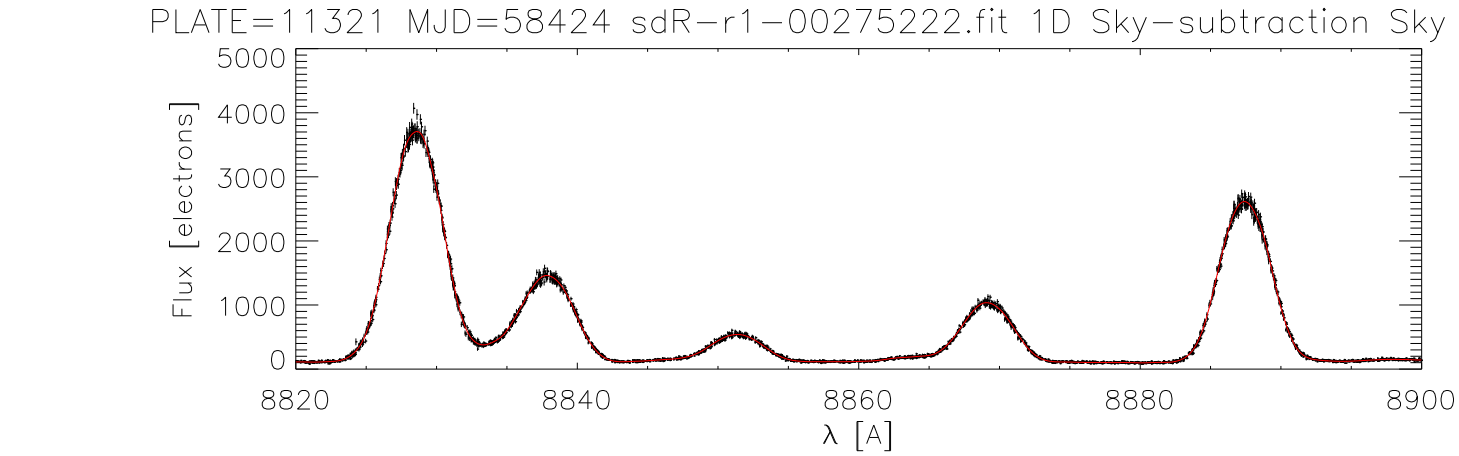

PLATE=11321 MJD=58424 Fiber-Flats for sdR-r1-00275219.fit
BLACK = Median value
ENVELOPE = 95% of points
GREEN = Outlier points
Min value =-1068.881
Max value = 25.414
Fiber-Flat
1.5
1.0
0.5
0.0
6000
7000
8000
9000
10000
λ [A]
Mon May 11 18:46:02 2020

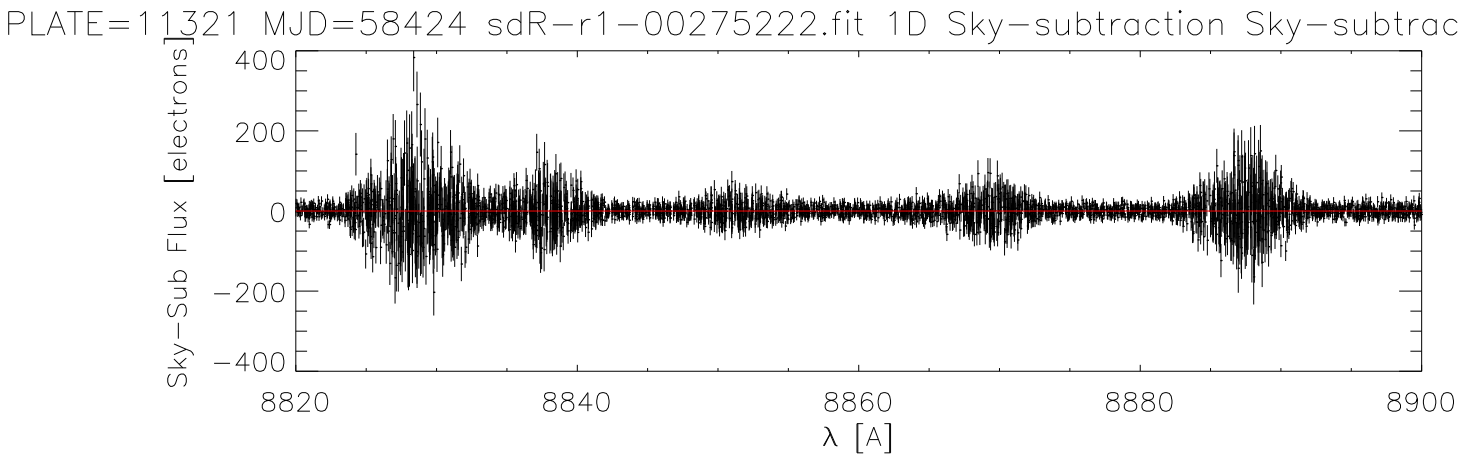

PLATE=11321 MJD=58424 Extraction chi^2 for sdR−r1−00275222.fit
BLACK = Final chisq extraction
1.0
0.8
0.6
0.4
0.2
0.0
χ^2
0
1000
2000
3000
4000
Row number


PLATE=11321 MJD=58424 Sky Line Deviations for sdR-r1-00275222.fit
Before shift
After shift
1.00 pix
Fiber Number
0
100
200
300
400
500
Sky Line Wavelength
5460557763006363655369236949757177947821839984308885891993759439987 2 ****

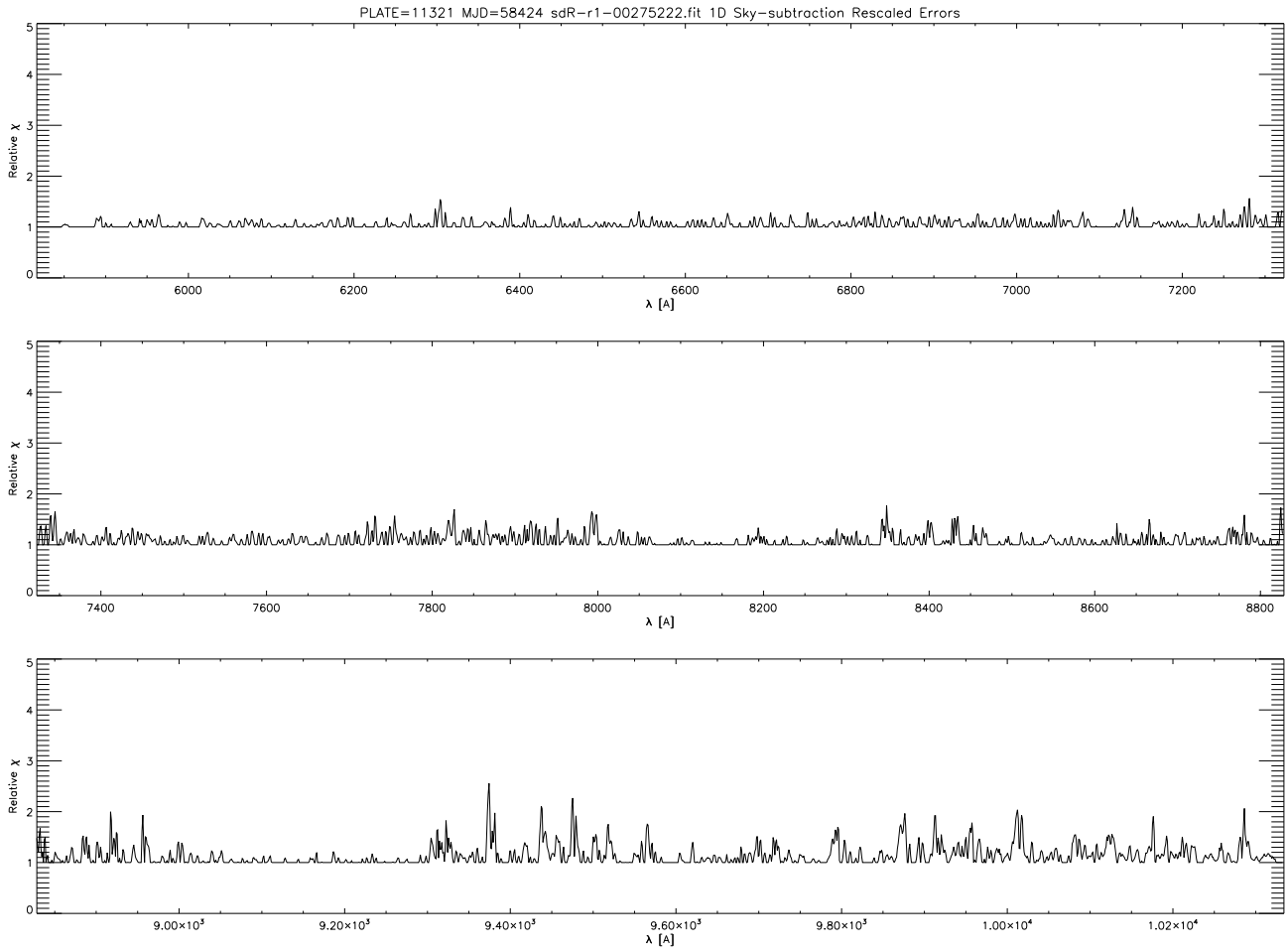

PLATE=11321 MJD=58424 Smooth superflat for sdR-r1-00275222.fit
2.0
1.5
1.0
0.5
0.0
1.04
1.02
1.00
0.98
0.96
5.0×10^3
6.0×10^3
7.0×10^3
8.0×10^3
9.0×10^3
1.0×10^4
1.1×10^4
Wavelength (Å)

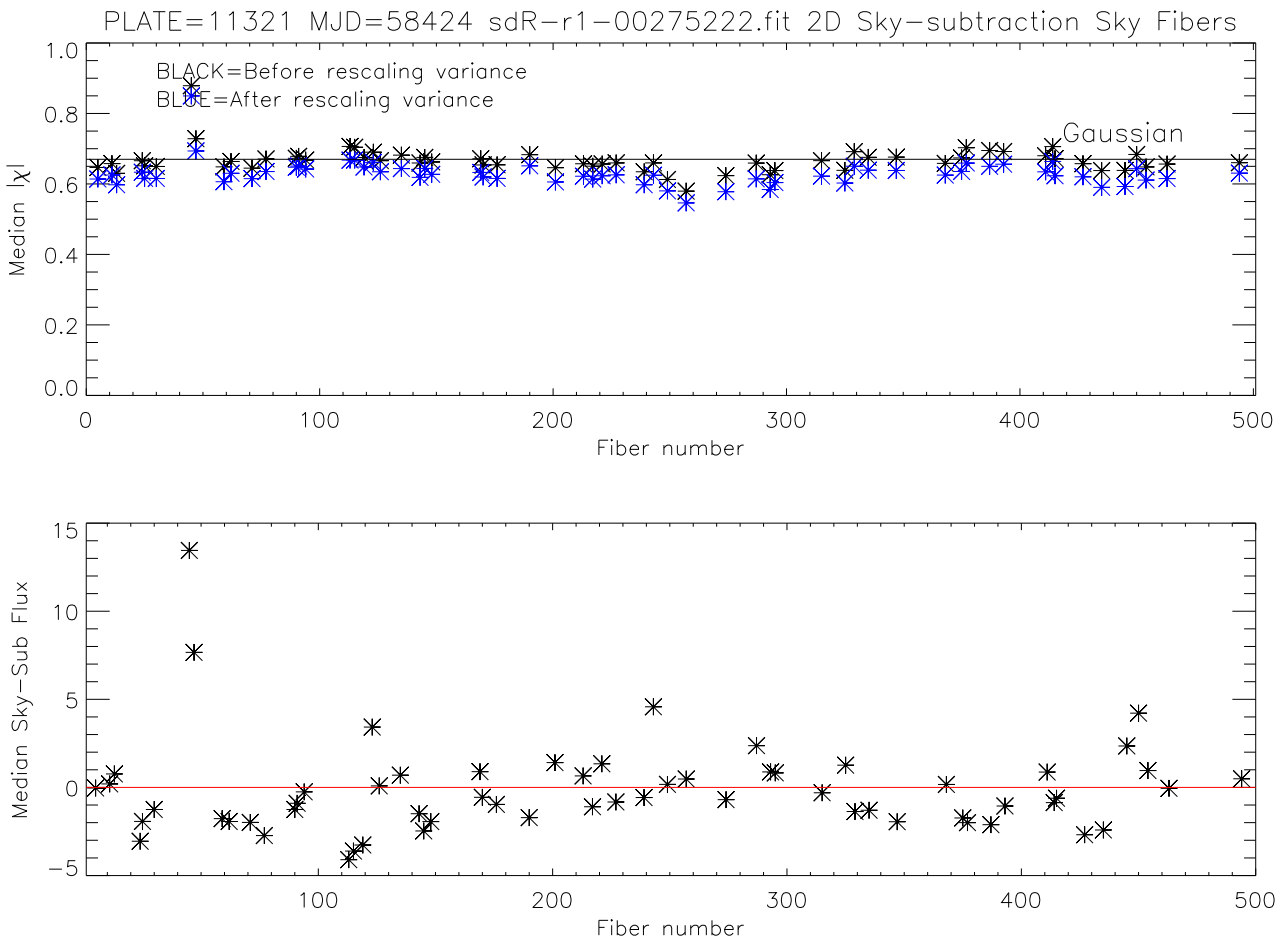

PLATE=11321 MJD=58424 sdR-r1-00275222.fit 1D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

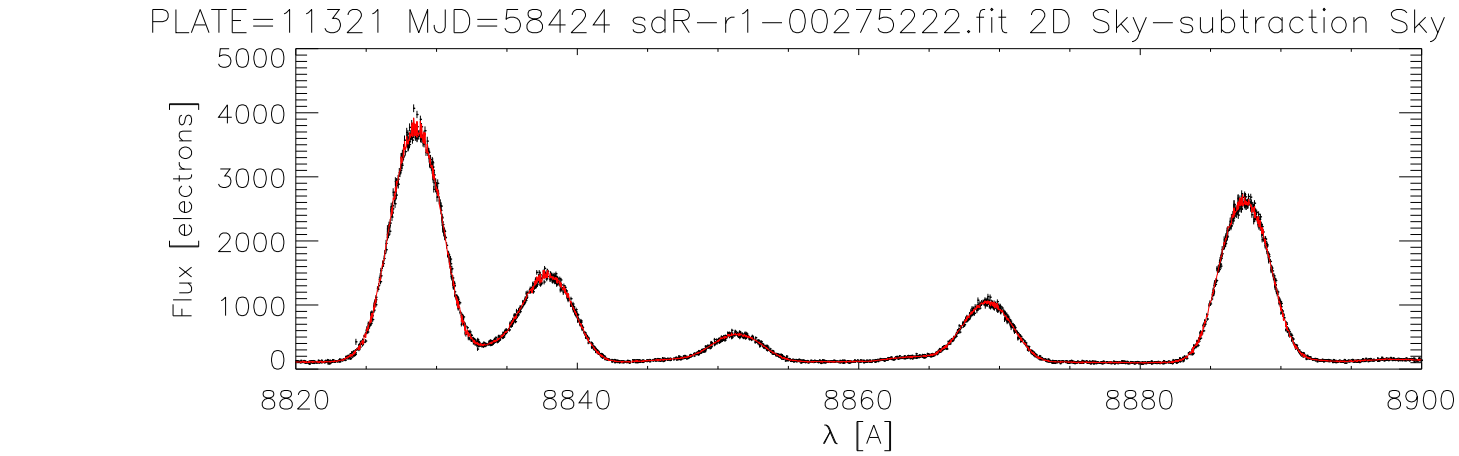

PLATE=11321 MJD=58424 sdR-r1-00275222.fit 1D Sky-subtraction Sky Fibers
Flux [electrons]
5000
4000
3000
2000
1000
0
8820
8840
8860
8880
8900
λ [A]

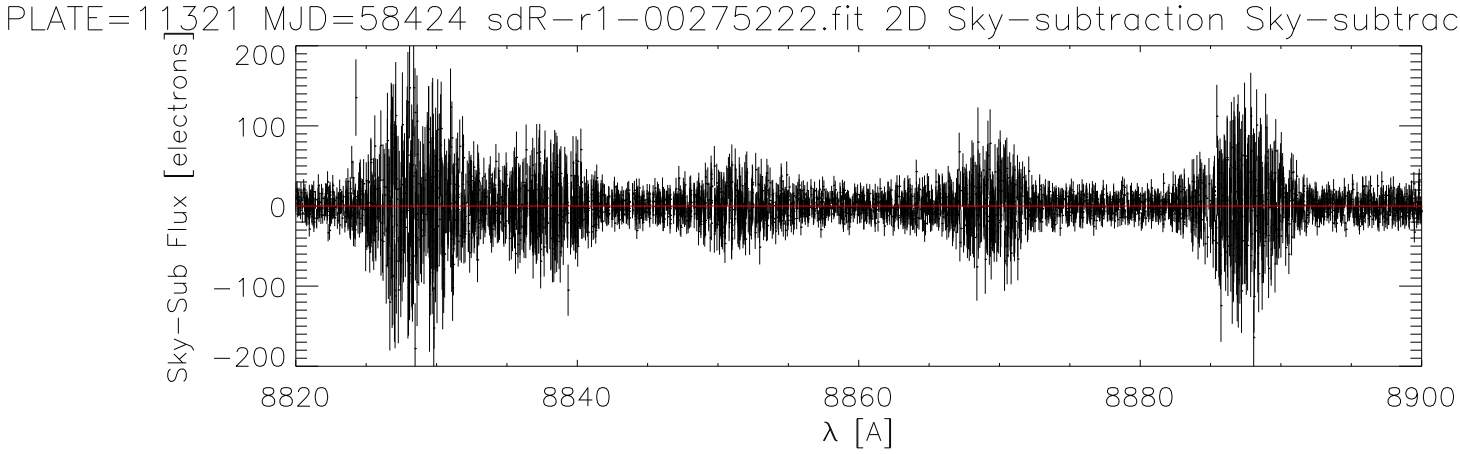

PLATE=11321 MJD=58424 sdR-r1-00275222.fit 1D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
400
200
0
-200
-400
8820
8840
8860
8880
8900
λ [A]

Number of sky fibers = 61

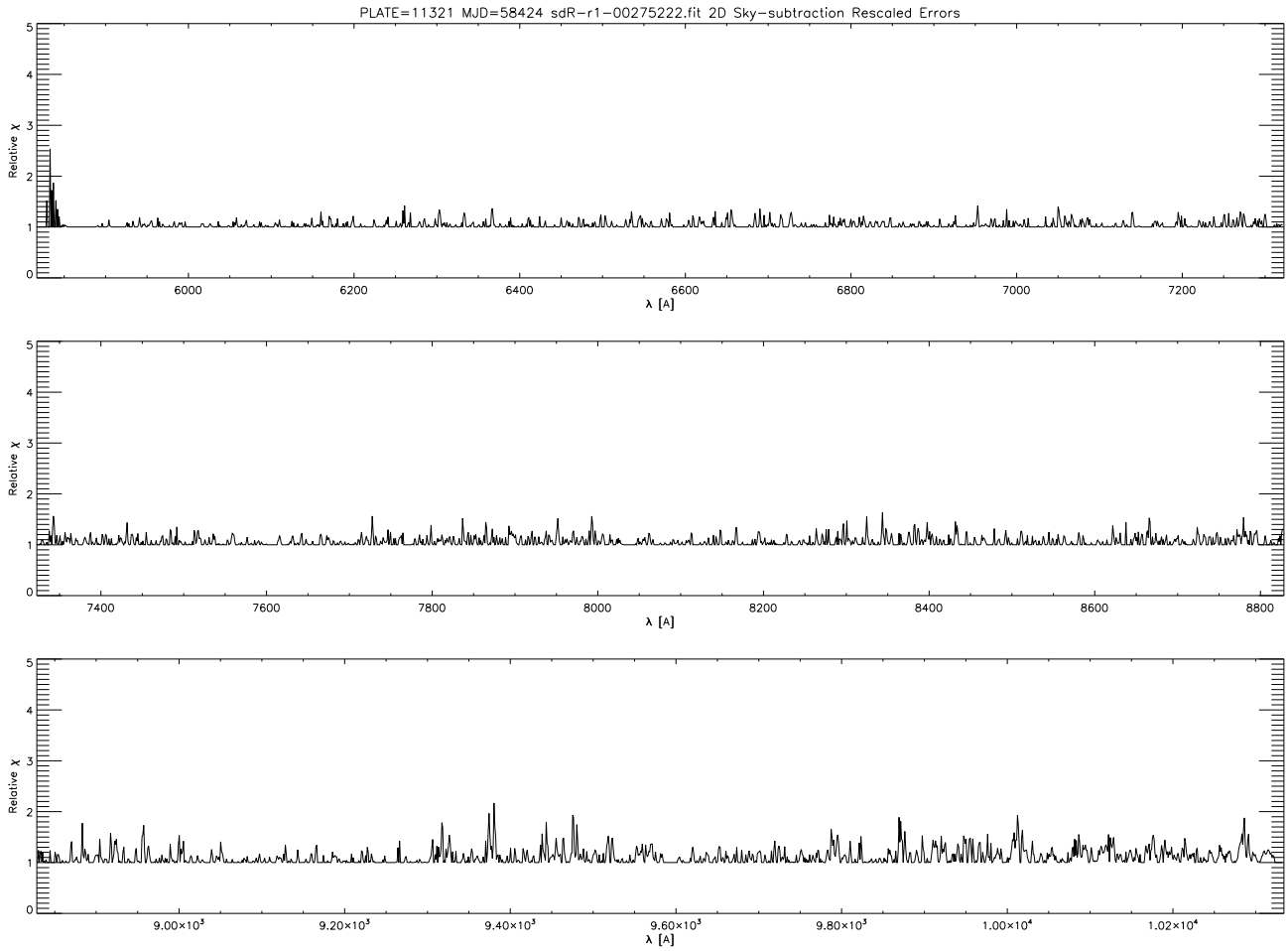


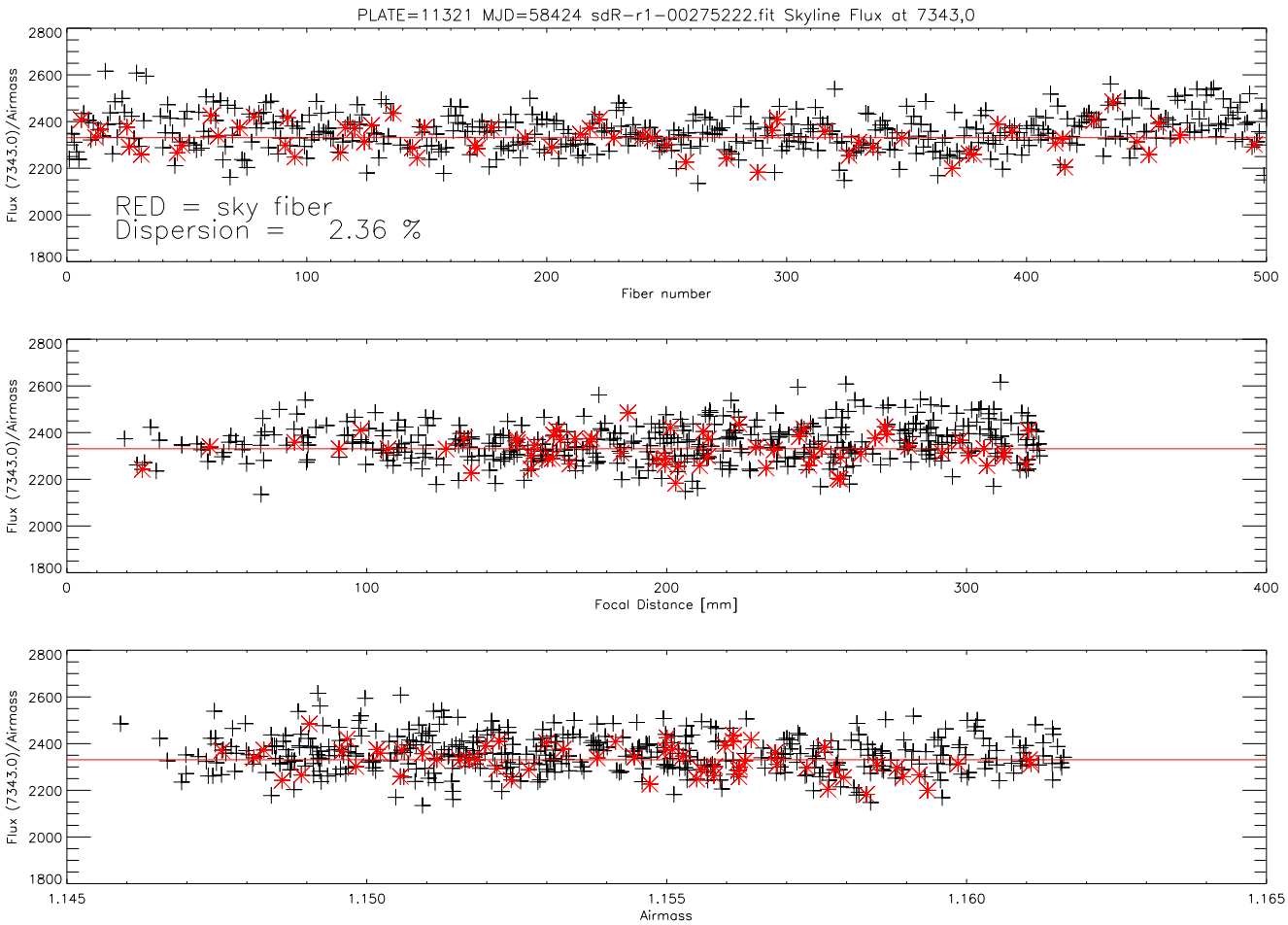

PLATE=11321 MJD=58424 sdR-r1-00275222.fit 2D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

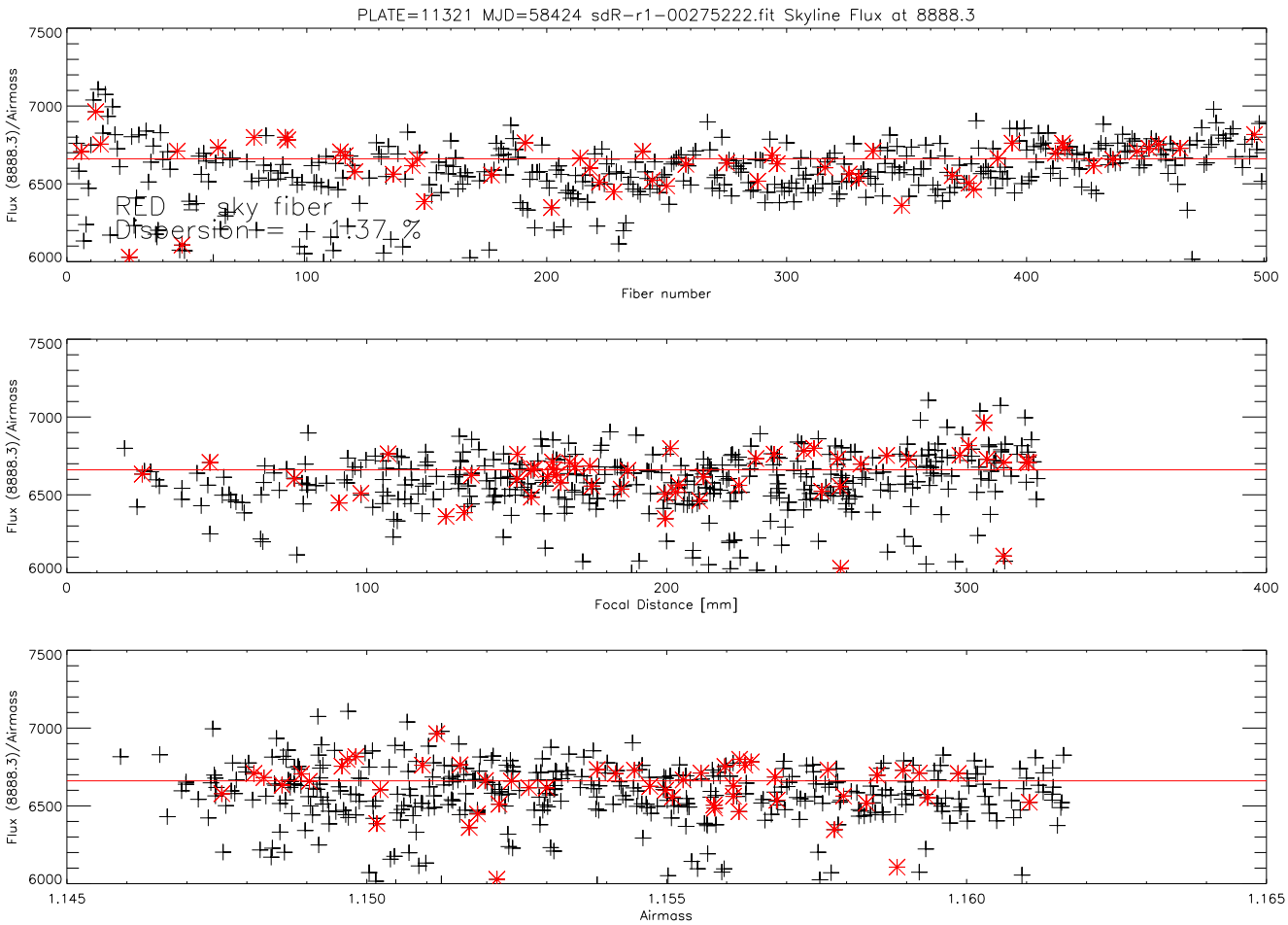

PLATE=11321 MJD=58424 sdR-r1-00275222.fit 2D Sky-subtraction Sky Fibers
Flux [electrons]
5000
4000
3000
2000
1000
0
8820
8840
8860
8880
8900
λ [A]

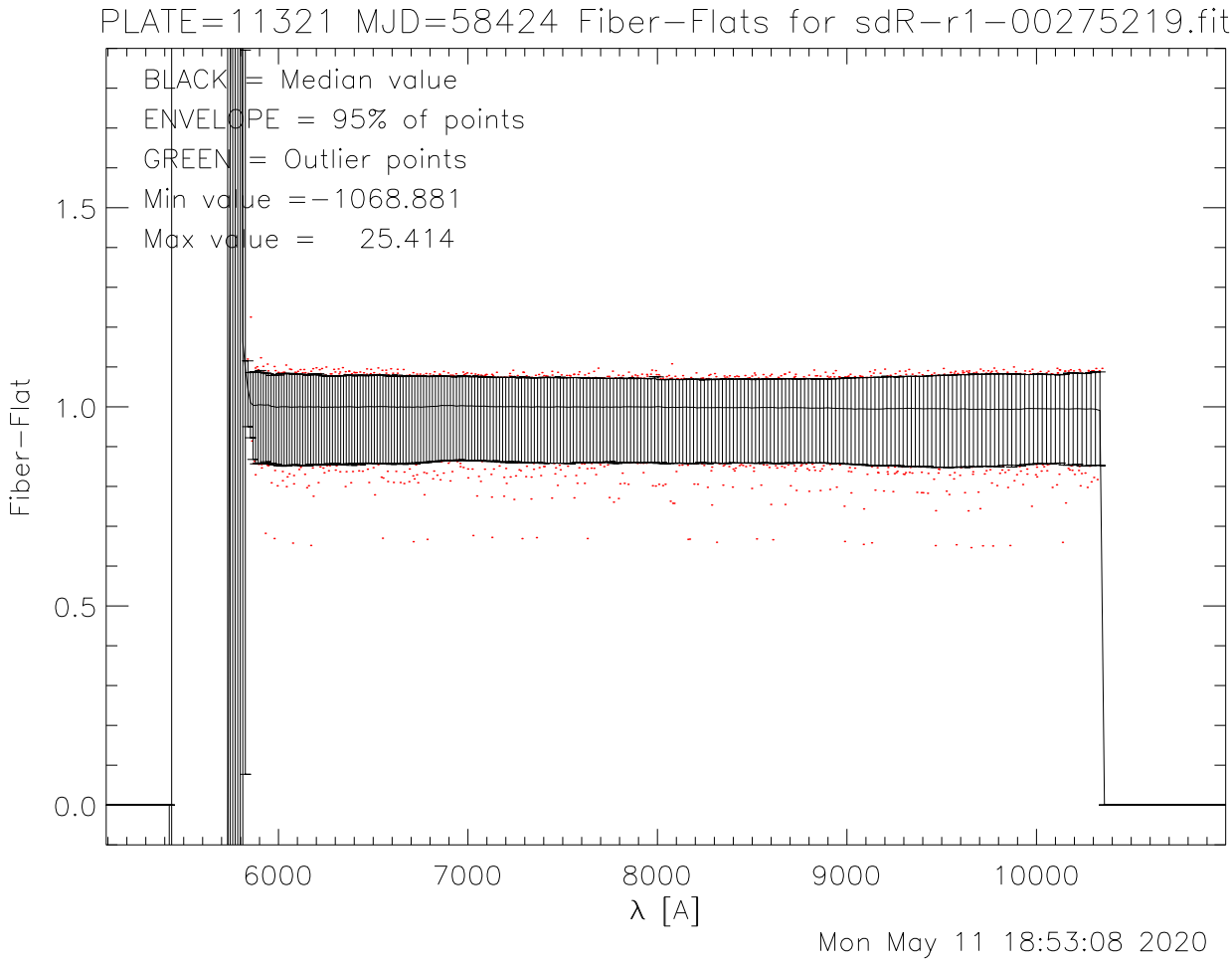

PLATE=11321 MJD=58424 sdR-r1-00275222.fit 2D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
200
100
0
-100
-200
8820
8840
8860
8880
8900
λ [A]

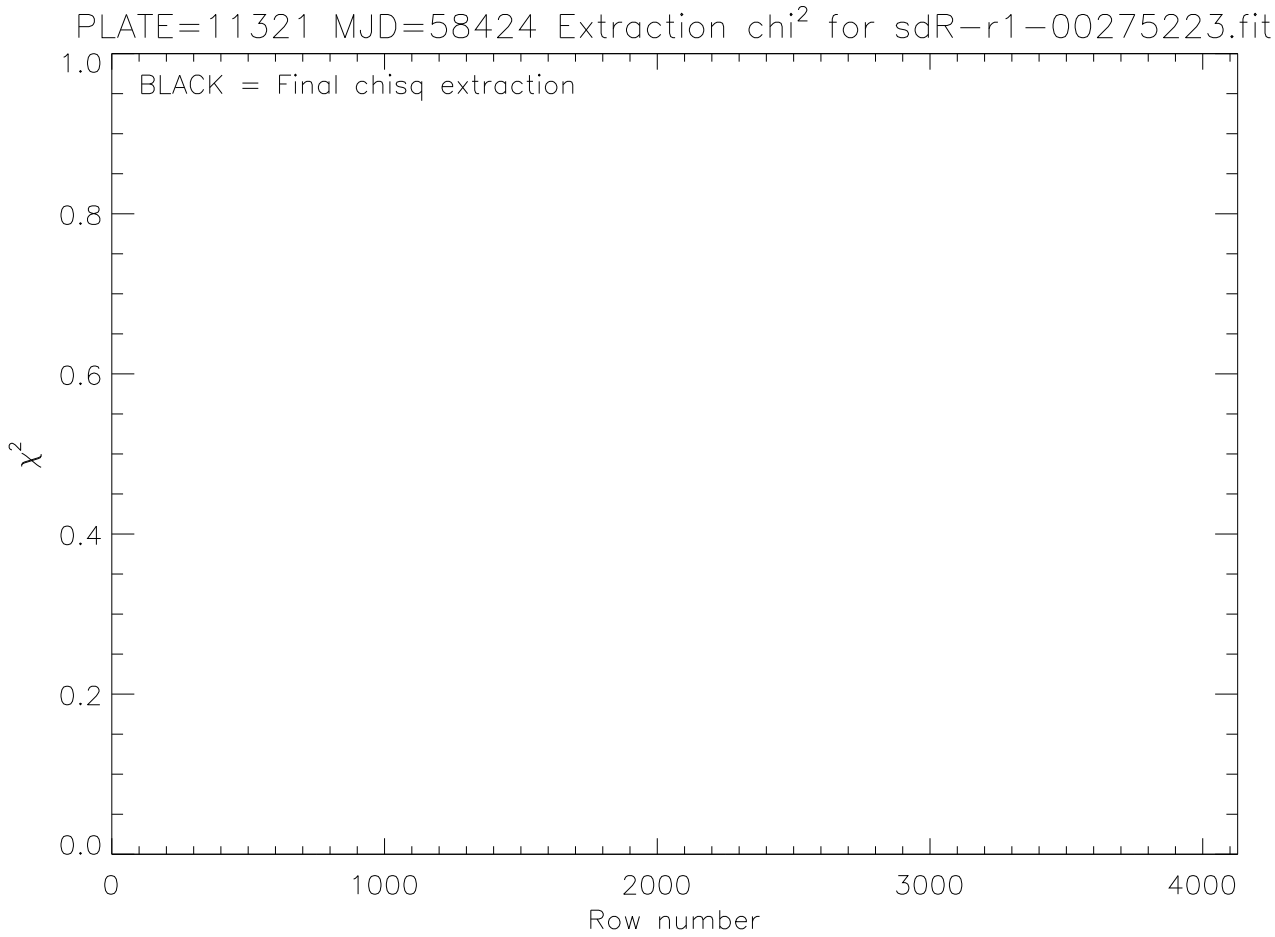
Number of sky fibers = 61

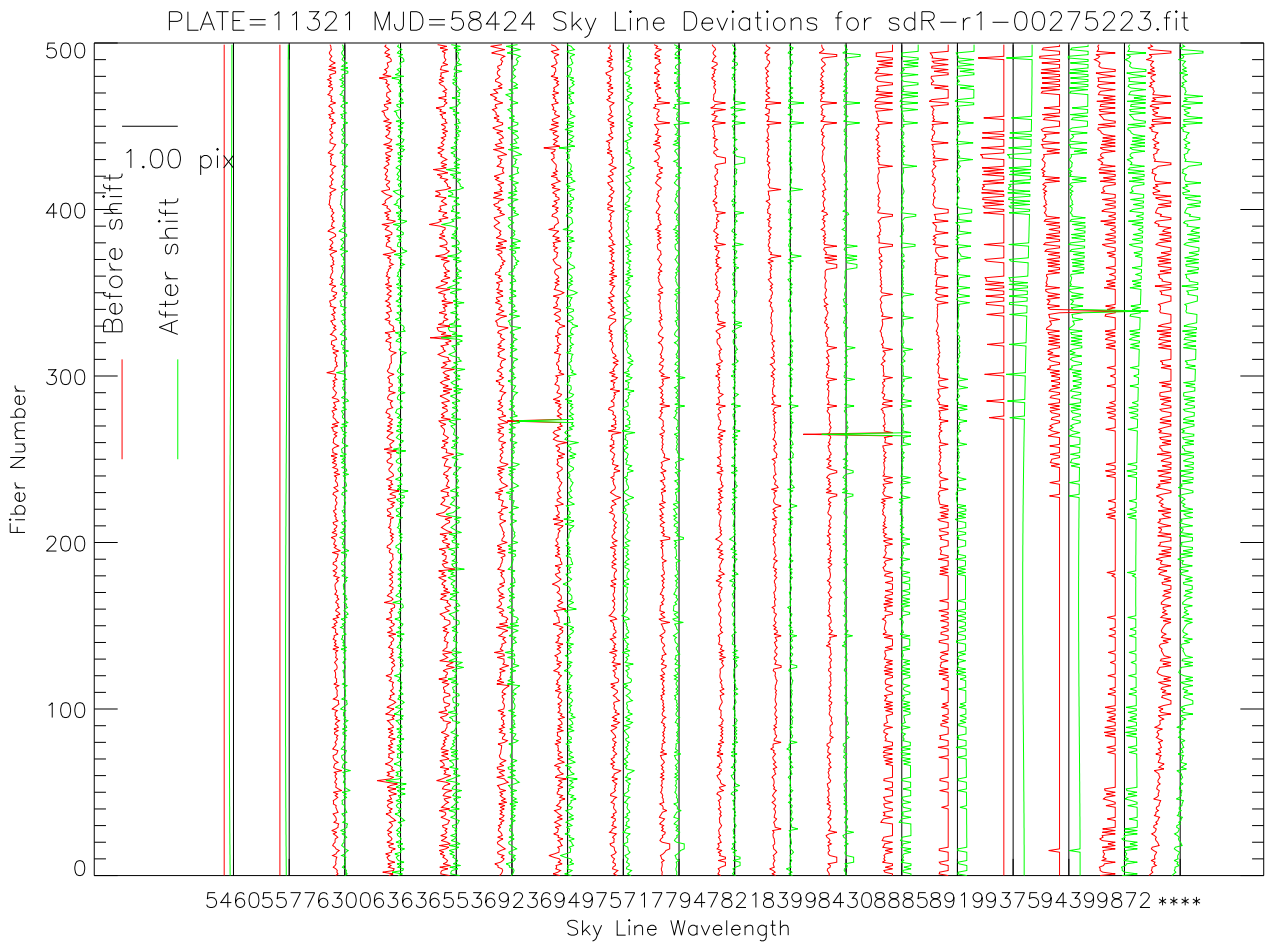


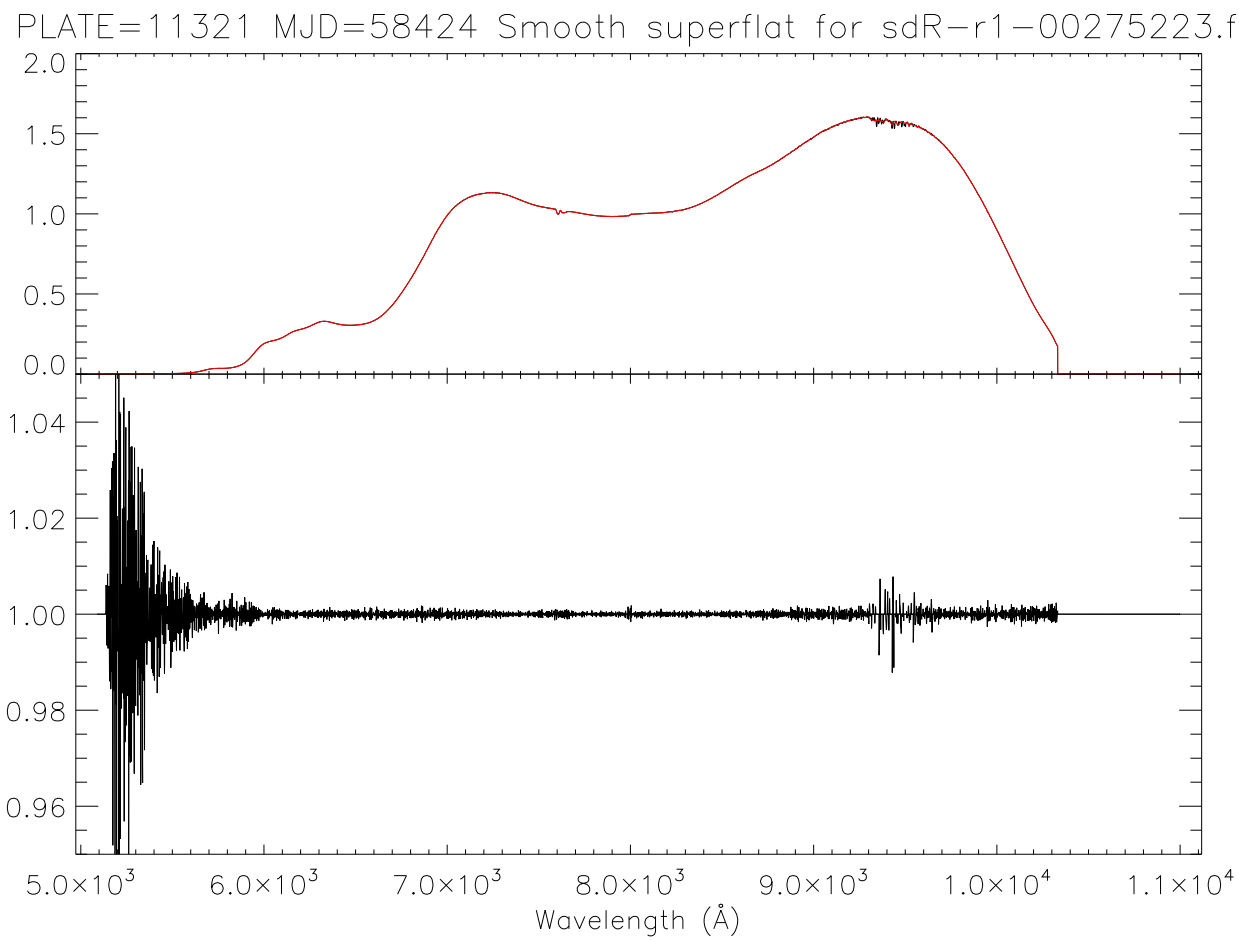

PLATE=11321 MJD=58424 sdR-r1-00275222.fit Skyline Flux at 7343,0
Flux (7343.0)/Airmass
RED = sky fiber
Dispersion = 2.36 %
Fiber number
Flux (7343.0)/Airmass
Focal Distance [mm]
Flux (7343.0)/Airmass
Airmass

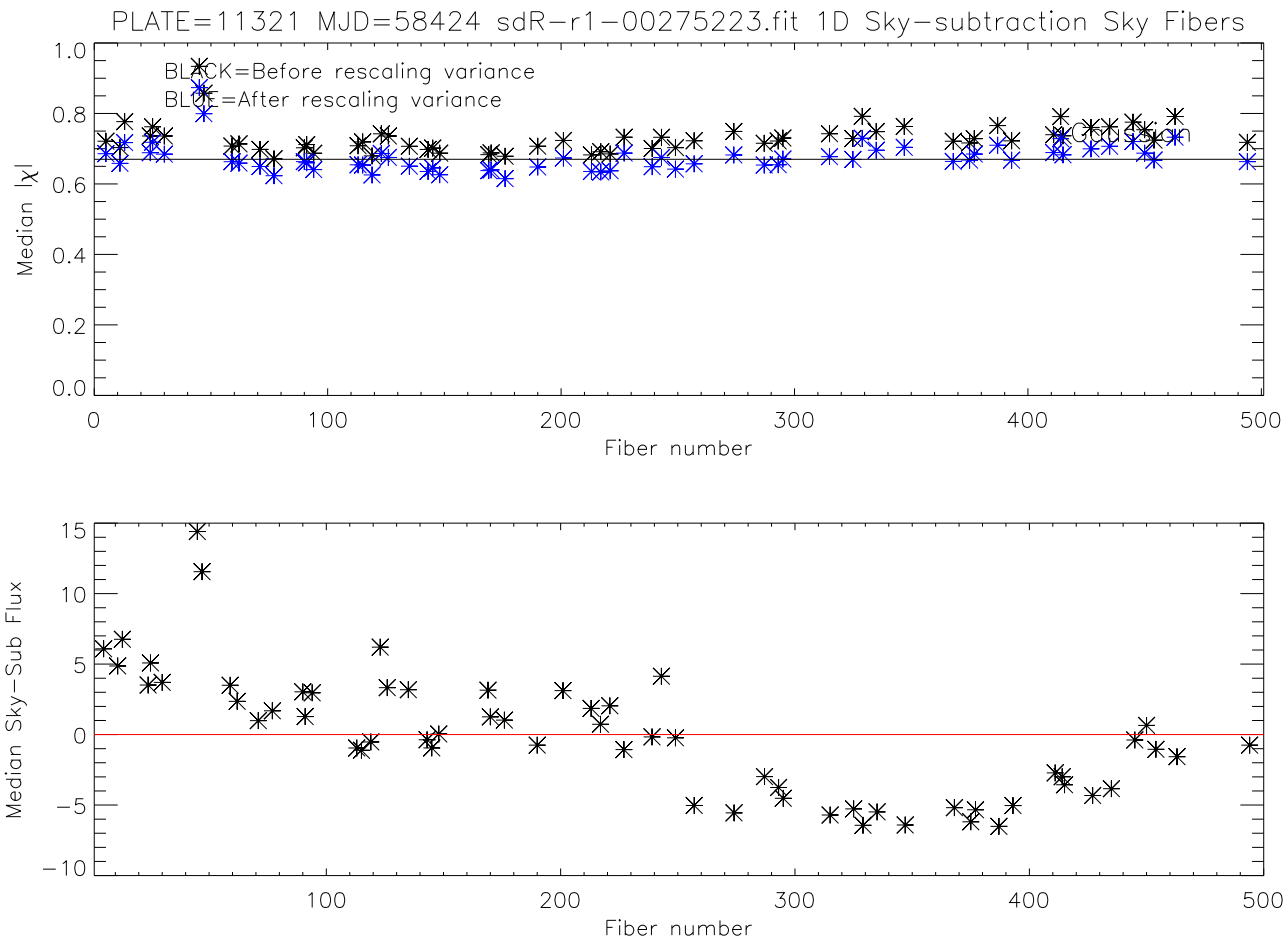

PLATE=11321 MJD=58424 sdR-r1-00275222.fit Skyline Flux at 8888.3
Flux (8888.3)/Airmass
Fiber number
RED = sky fiber
Dispersion= 1.37 %
Flux (8888.3)/Airmass
Focal Distance [mm]
Flux (8888.3)/Airmass
Airmass

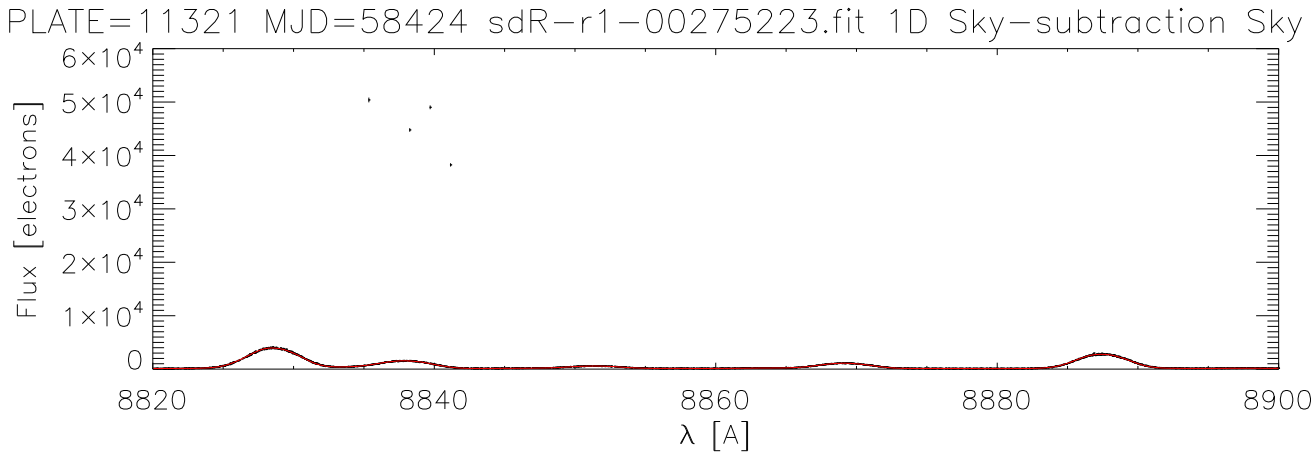

PLATE=11321 MJD=58424 Fiber-Flats for sdR-r1-00275219.fit
BLACK = Median value
ENVELOPE = 95% of points
GREEN = Outlier points
Min value =-1068.881
Max value = 25.414
Fiber-Flat
1.5
1.0
0.5
0.0
6000
7000
8000
9000
10000
λ [A]
Mon May 11 18:53:08 2020

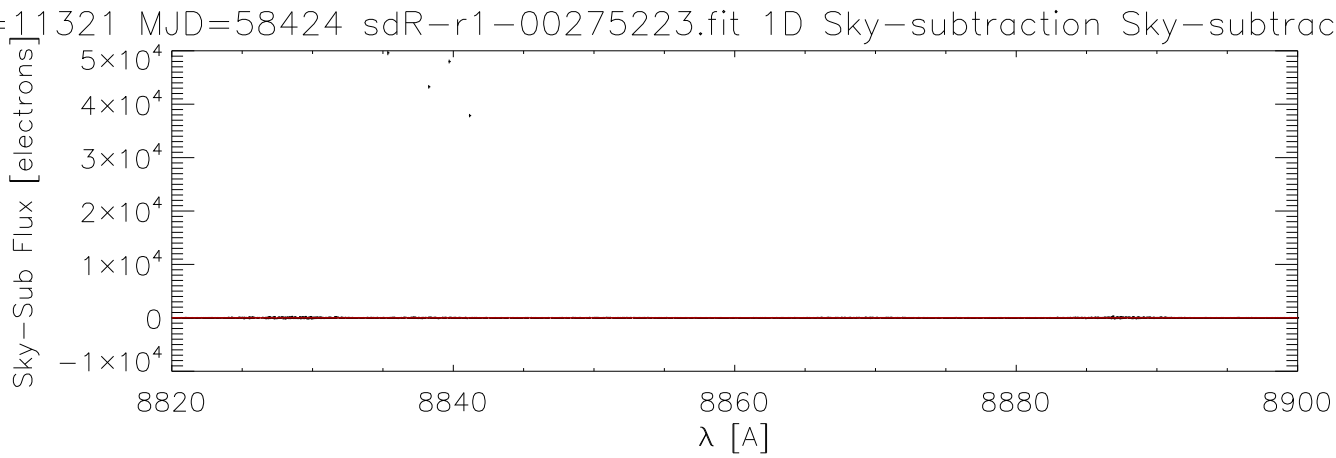

PLATE=11321 MJD=58424 Extraction chi^2 for sdR−r1−00275223.fit
BLACK = Final chisq extraction
1.0
0.8
0.6
0.4
0.2
0.0
χ^2
0
1000
2000
3000
4000
Row number


PLATE=11321 MJD=58424 Sky Line Deviations for sdR-r1-00275223.fit
Before shift
After shift
1.00 pix
Fiber Number
0
100
200
300
400
500
5460557763006363655369236949757177947821839984308885891993759439987 ****
Sky Line Wavelength

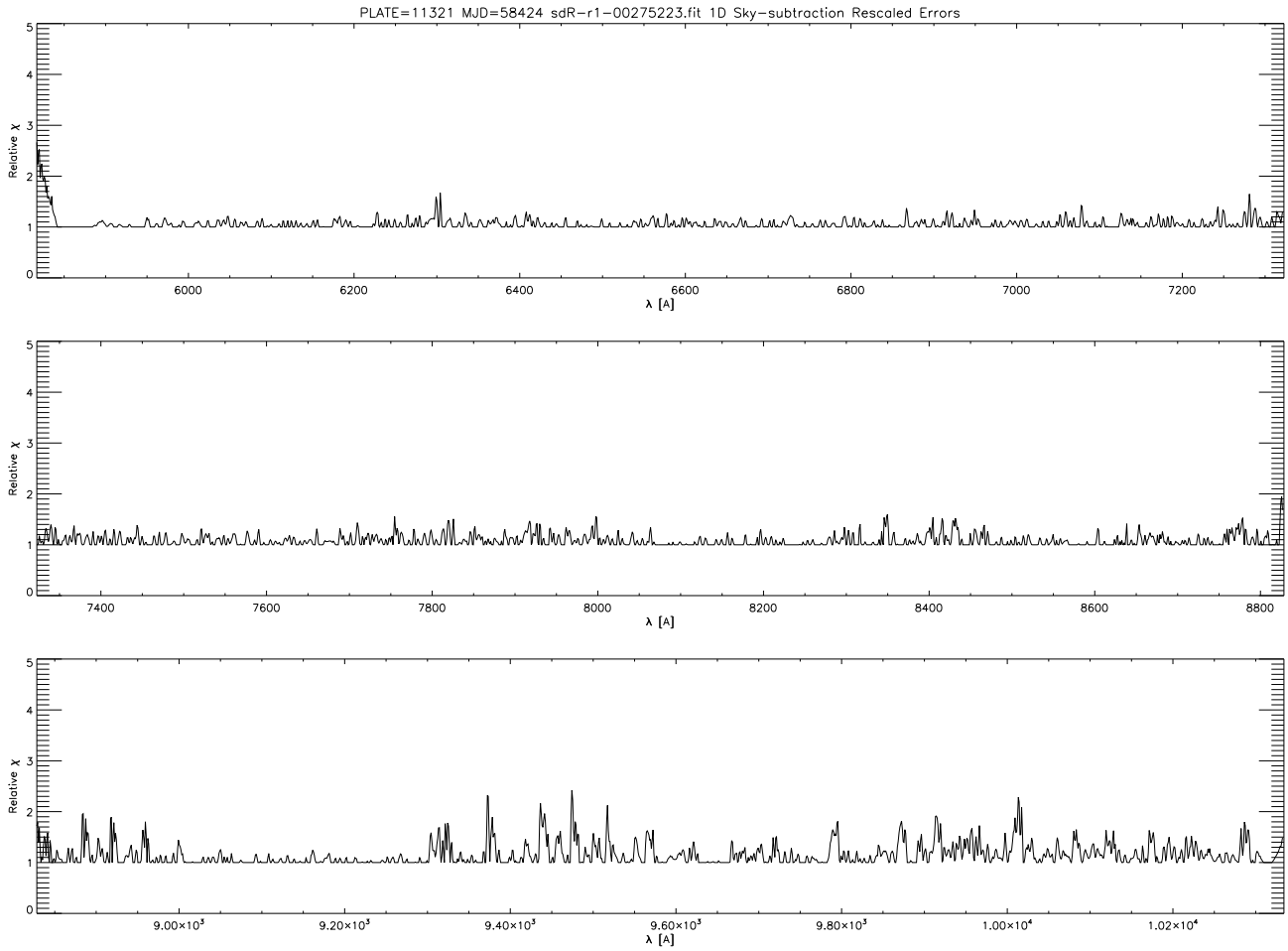

PLATE=11321 MJD=58424 Smooth superflat for sdR-r1-00275223.fit
2.0
1.5
1.0
0.5
0.0
1.04
1.02
1.00
0.98
0.96
5.0×10^3
6.0×10^3
7.0×10^3
8.0×10^3
9.0×10^3
1.0×10^4
1.1×10^4
Wavelength (Å)

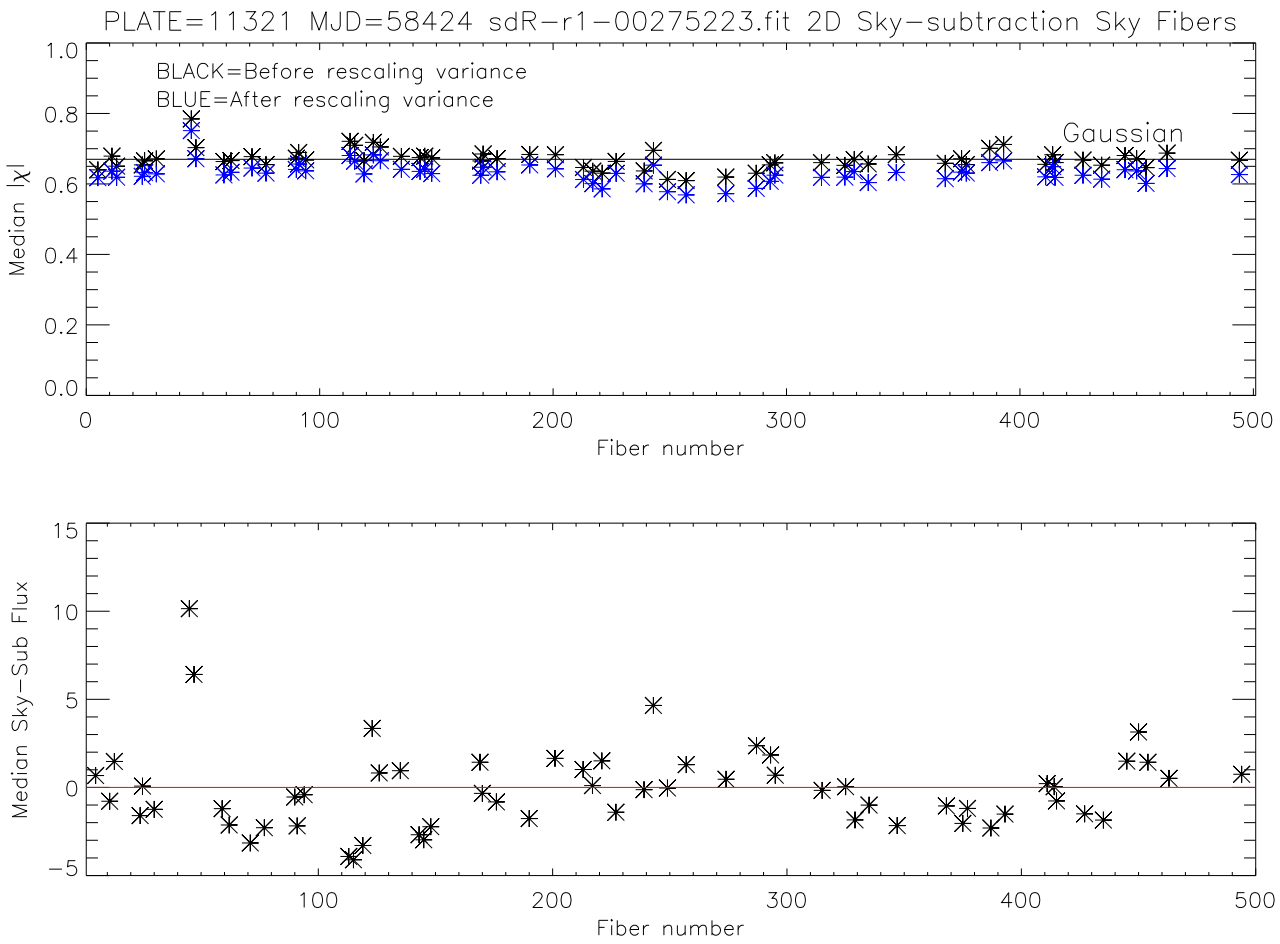

PLATE=11321 MJD=58424 sdR-r1-00275223.fit 1D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

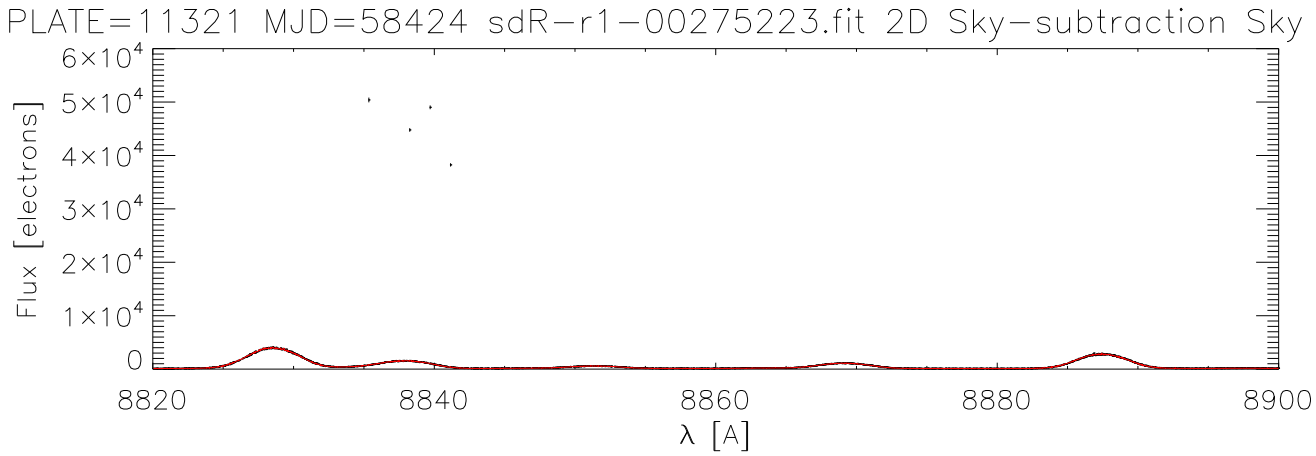

PLATE=11321 MJD=58424 sdR-r1-00275223.fit 1D Sky-subtraction Sky Fibers
Flux [electrons]
6×10^4
5×10^4
4×10^4
3×10^4
2×10^4
1×10^4
0
8820
8840
8860
8880
8900
λ [A]

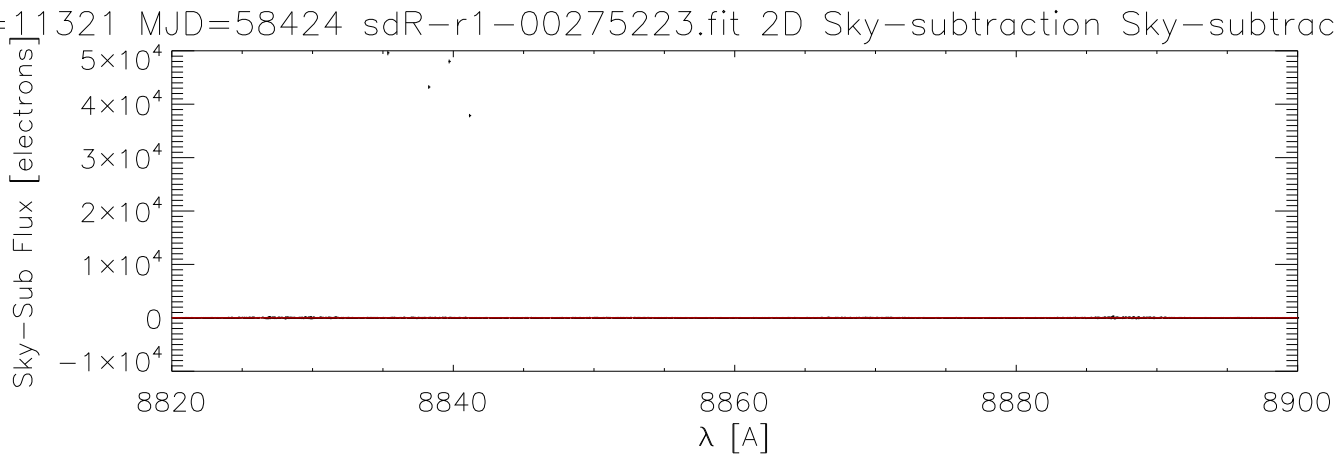

PLATE=11321 MJD=58424 sdR-r1-00275223.fit 1D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
5×10^4
4×10^4
3×10^4
2×10^4
1×10^4
0
-1×10^4
8820
8840
8860
8880
8900
λ [A]

Number of sky fibers = 61

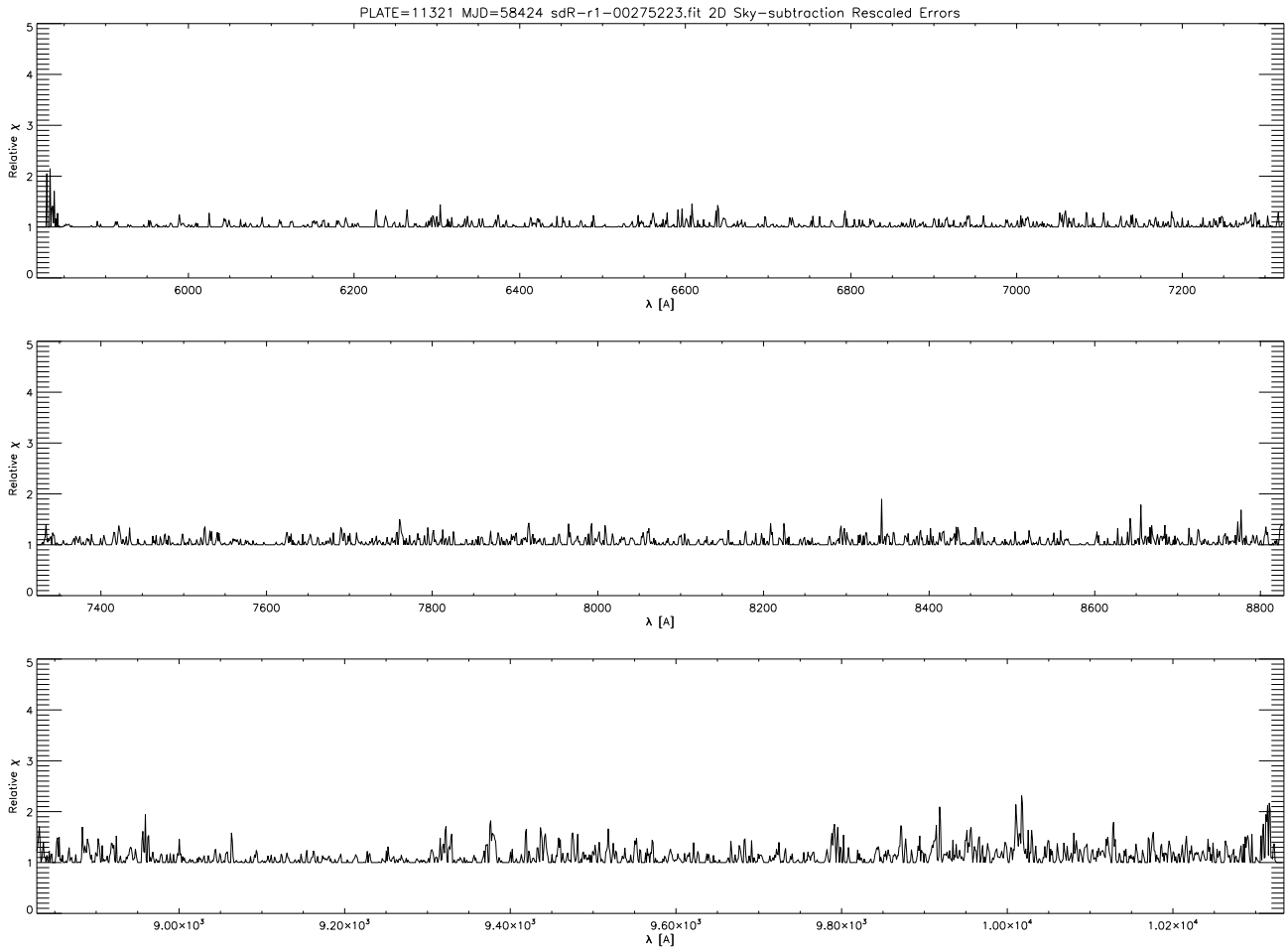


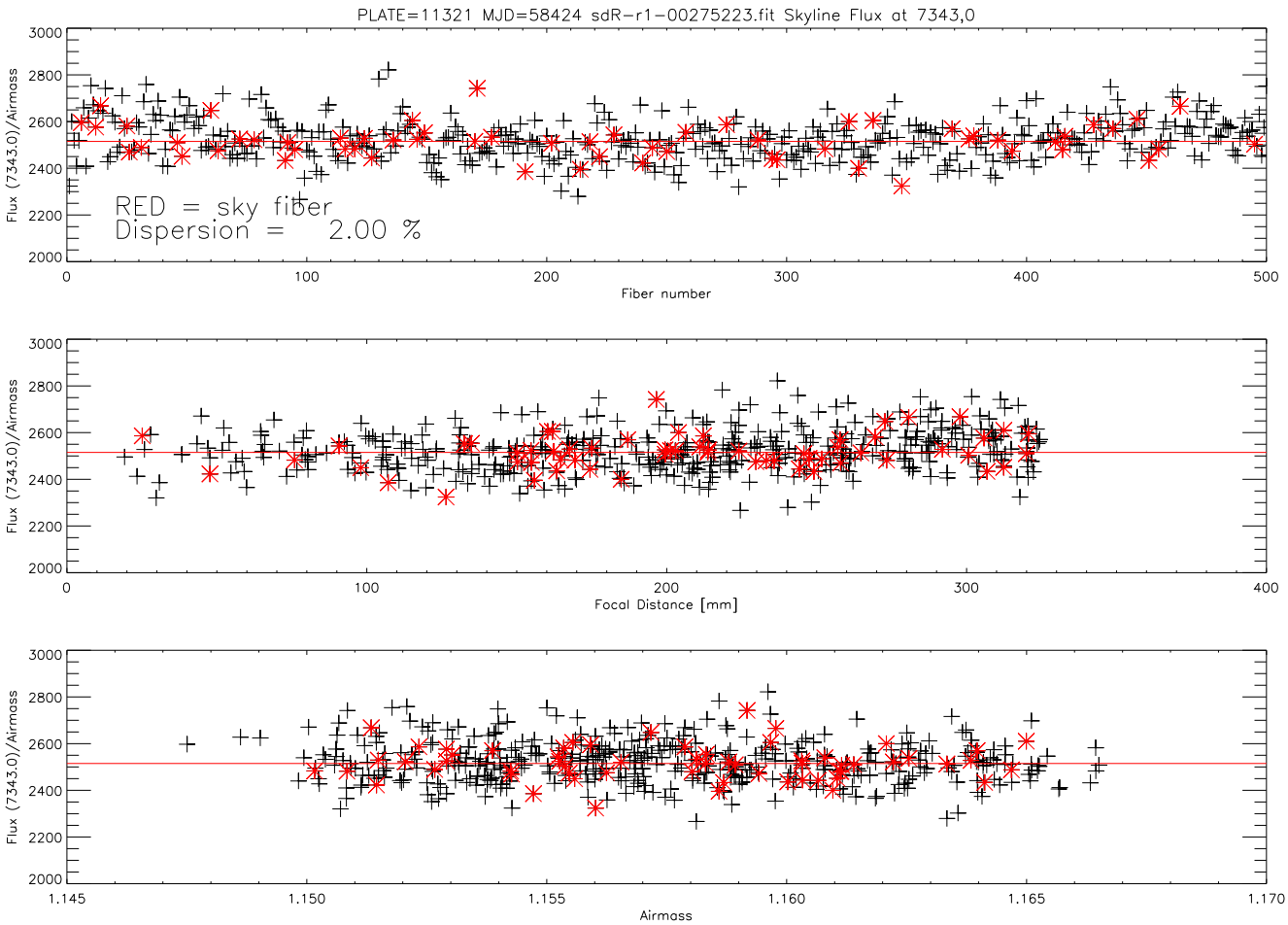

PLATE=11321 MJD=58424 sdR-r1-00275223.fit 2D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

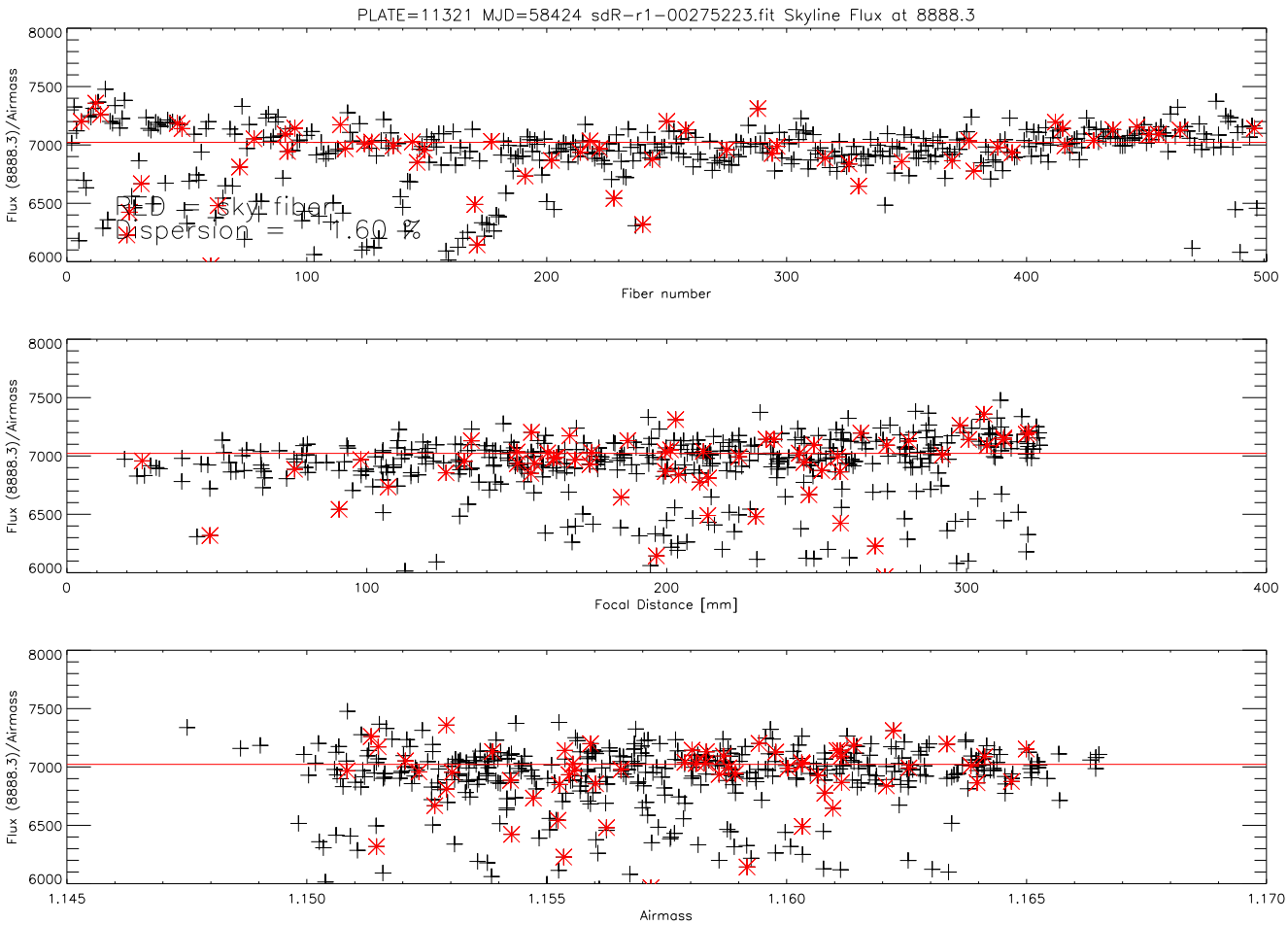

PLATE=11321 MJD=58424 sdR-r1-00275223.fit 2D Sky-subtraction Sky Fibers
Flux [electrons]
6×10^4
5×10^4
4×10^4
3×10^4
2×10^4
1×10^4
0
8820
8840
8860
8880
8900
λ [A]

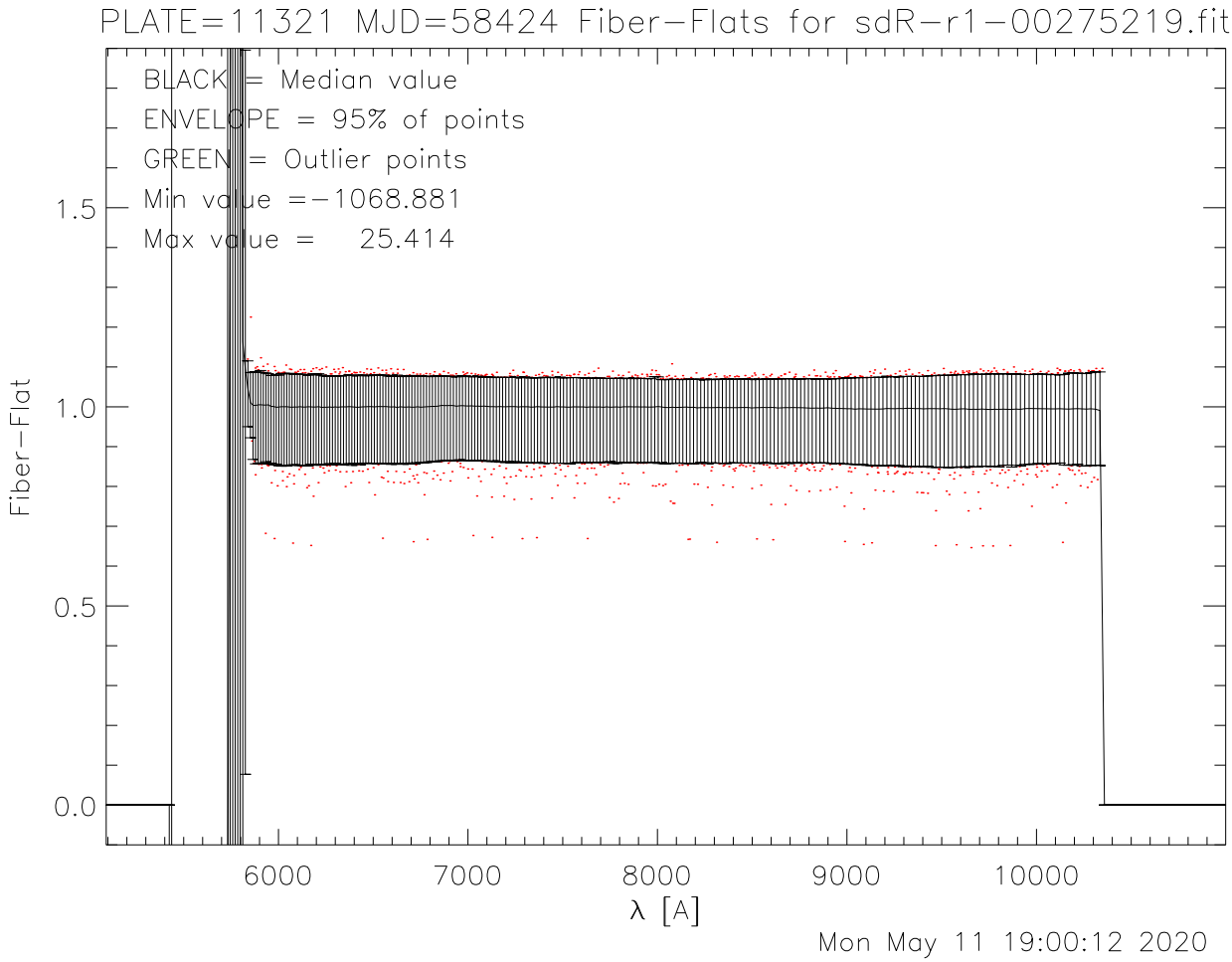

PLATE=11321 MJD=58424 sdR-r1-00275223.fit 2D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
5×10^4
4×10^4
3×10^4
2×10^4
1×10^4
0
-1×10^4
8820
8840
8860
8880
8900
λ [A]

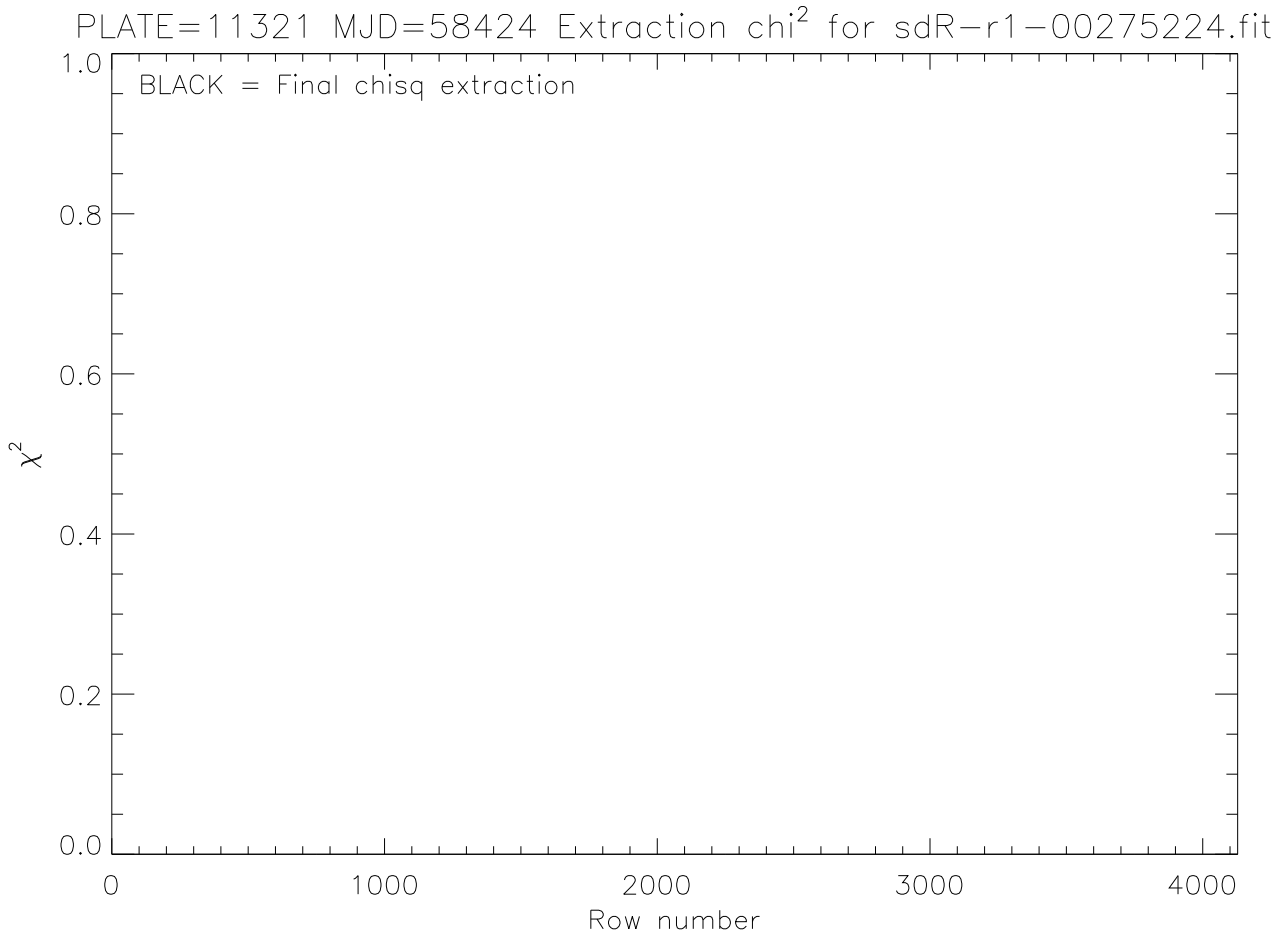
Number of sky fibers = 61

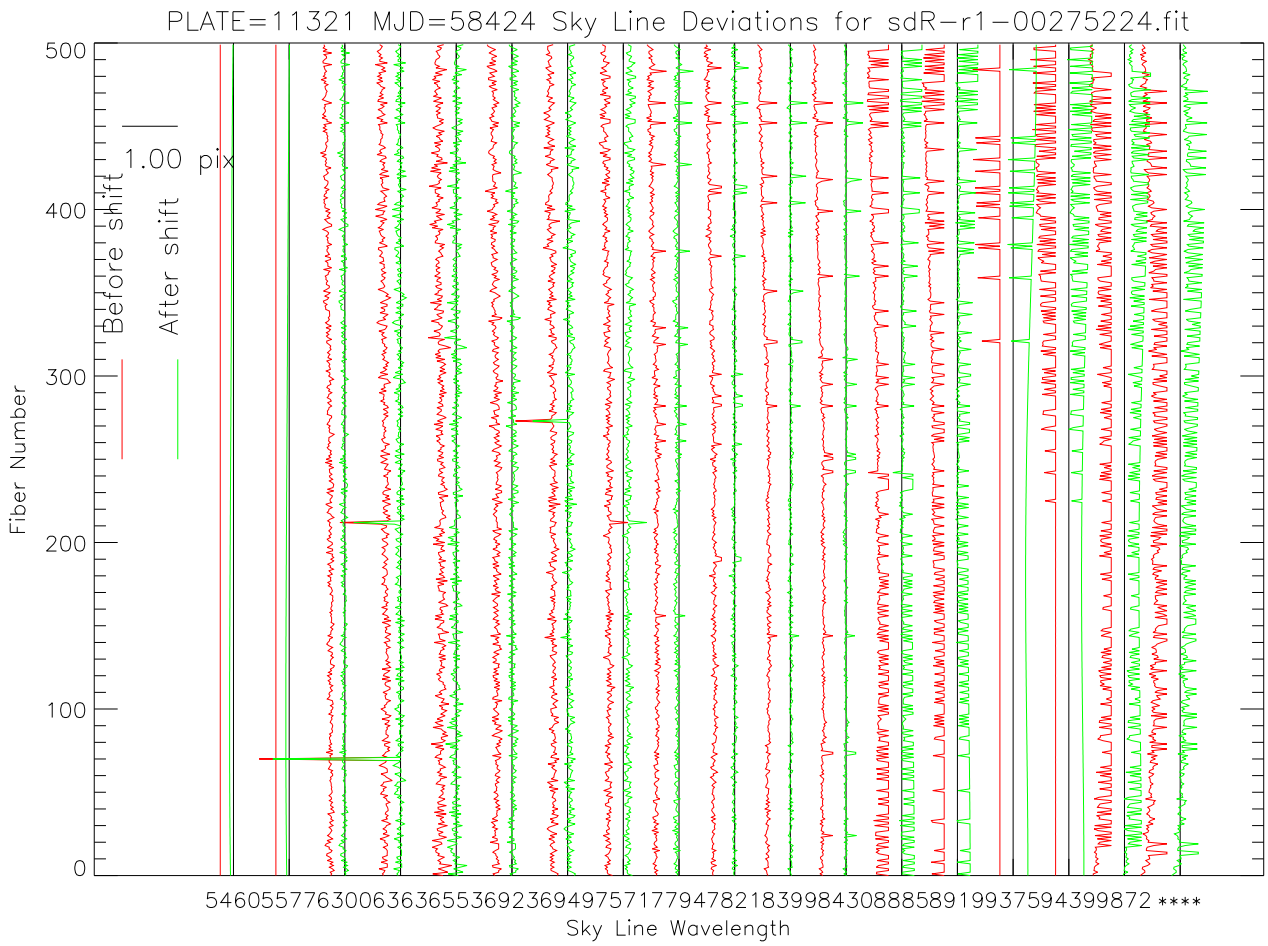


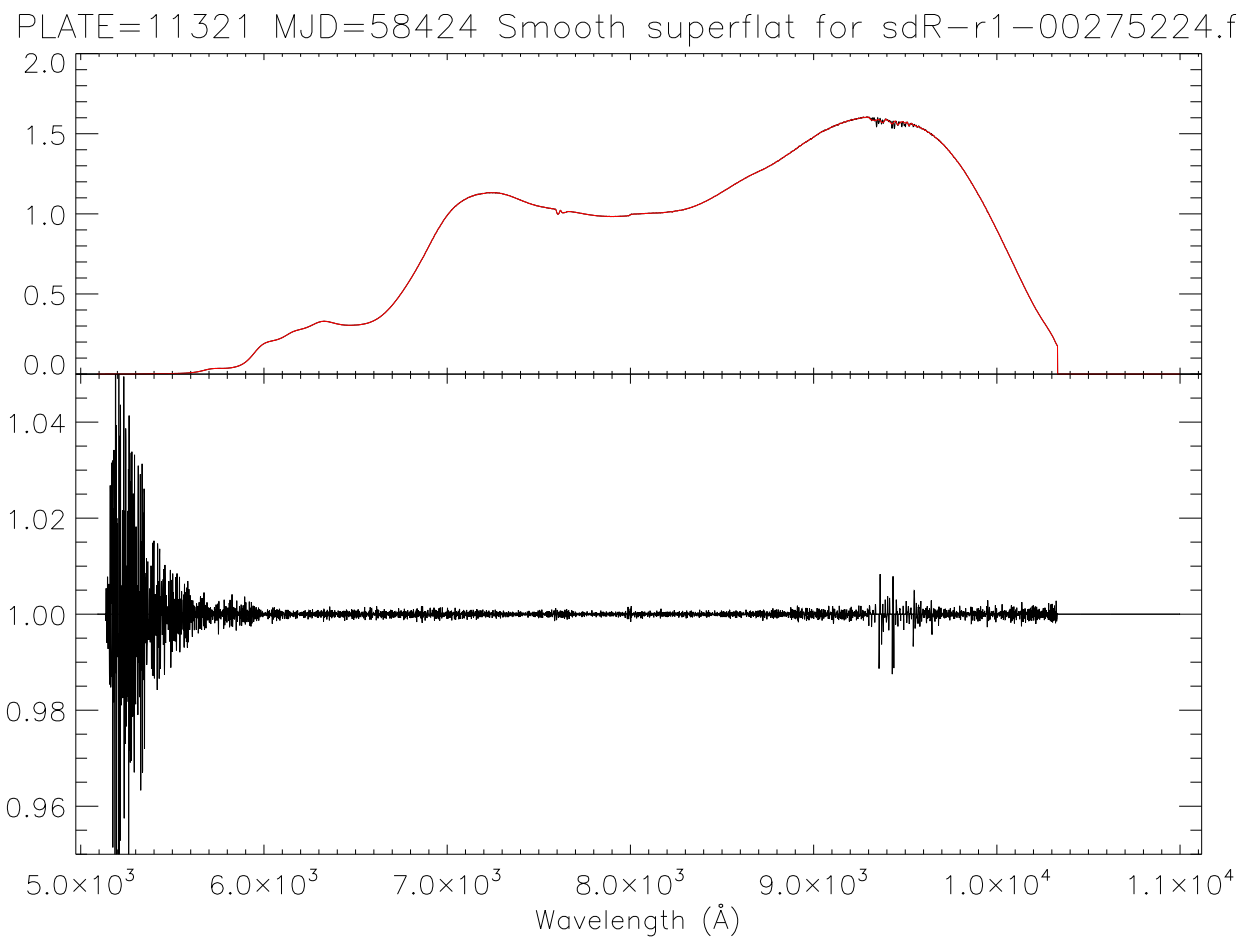

PLATE=11321 MJD=58424 sdR-r1-00275223.fit Skyline Flux at 7343,0
Flux (7343.0)/Airmass
RED = sky fiber
Dispersion = 2.00 %
Fiber number
Flux (7343.0)/Airmass
Focal Distance [mm]
Flux (7343.0)/Airmass
Airmass

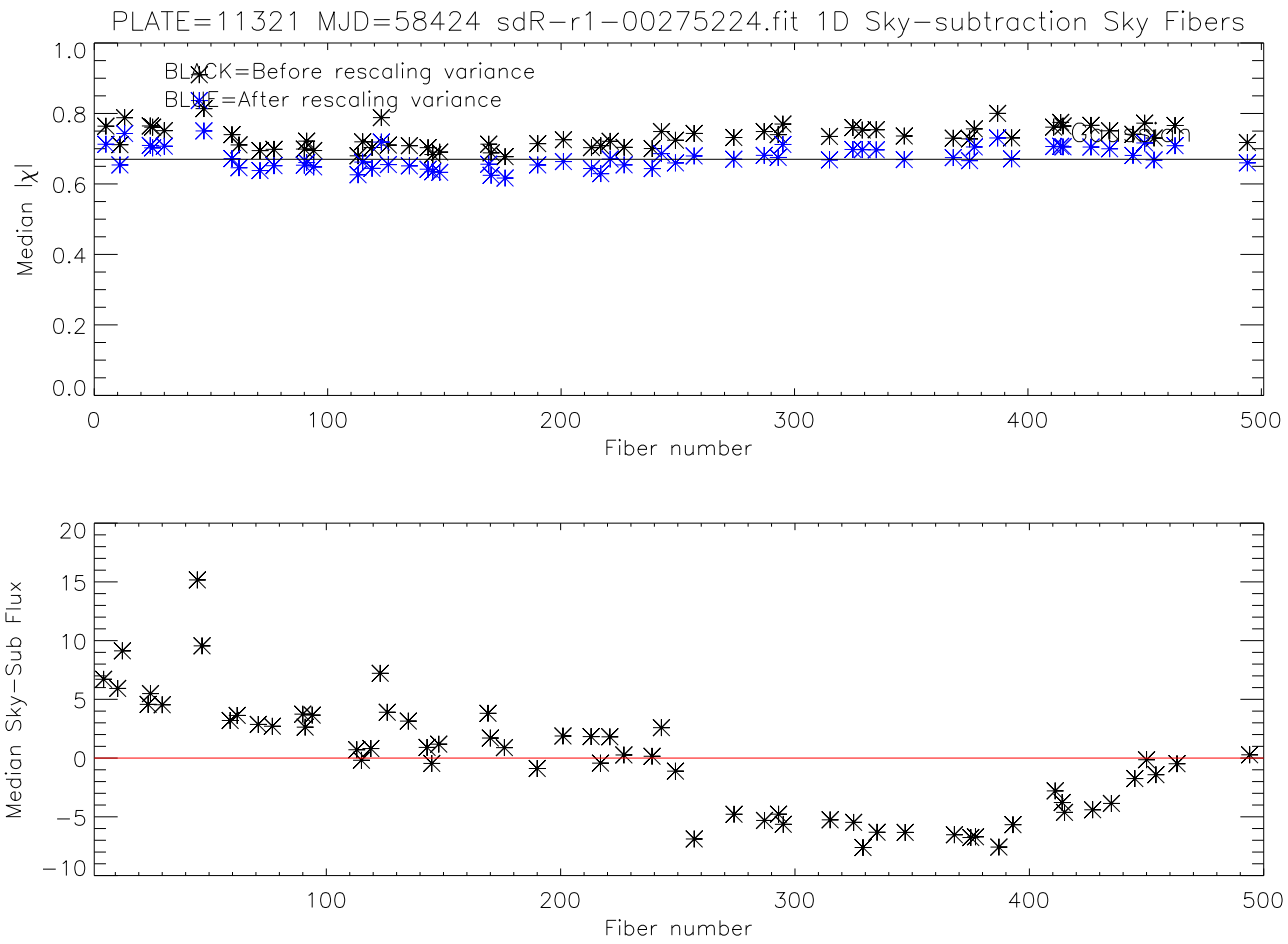

PLATE=11321 MJD=58424 sdR-r1-00275223.fit Skyline Flux at 8888.3
Flux (8888.3)/Airmass
Fiber number
Red = sky fibers
Dispersion = +/- 1.60 %
Flux (8888.3)/Airmass
Focal Distance [mm]
Flux (8888.3)/Airmass
Airmass

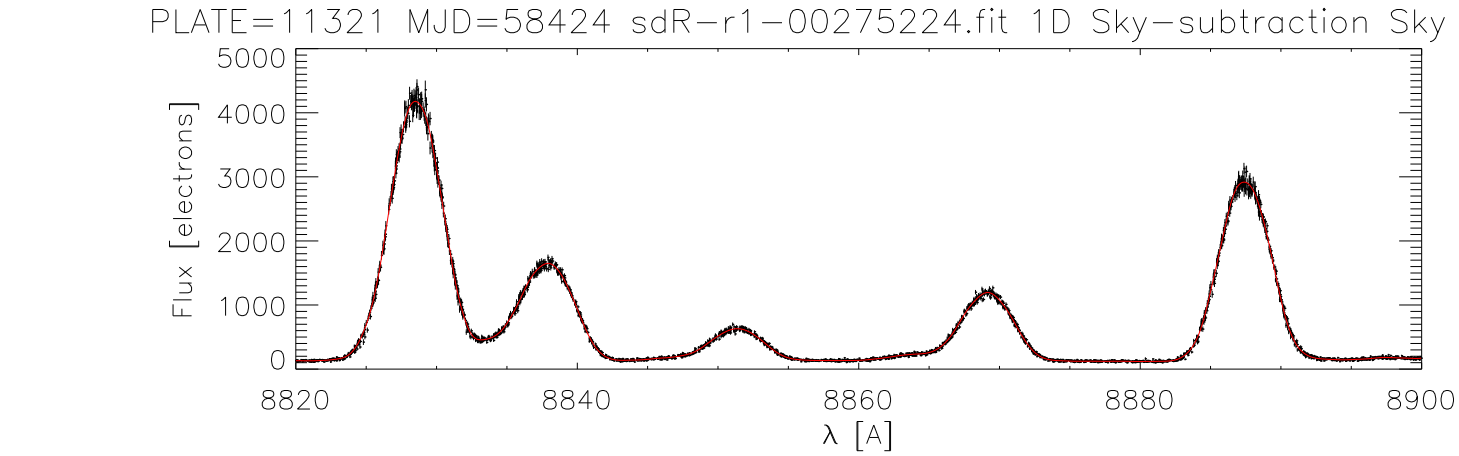

PLATE=11321 MJD=58424 Fiber-Flats for sdR-r1-00275219.fit
BLACK = Median value
ENVELOPE = 95% of points
GREEN = Outlier points
Min value =-1068.881
Max value = 25.414
Fiber-Flat
1.5
1.0
0.5
0.0
6000
7000
8000
9000
10000
λ [A]
Mon May 11 19:00:12 2020

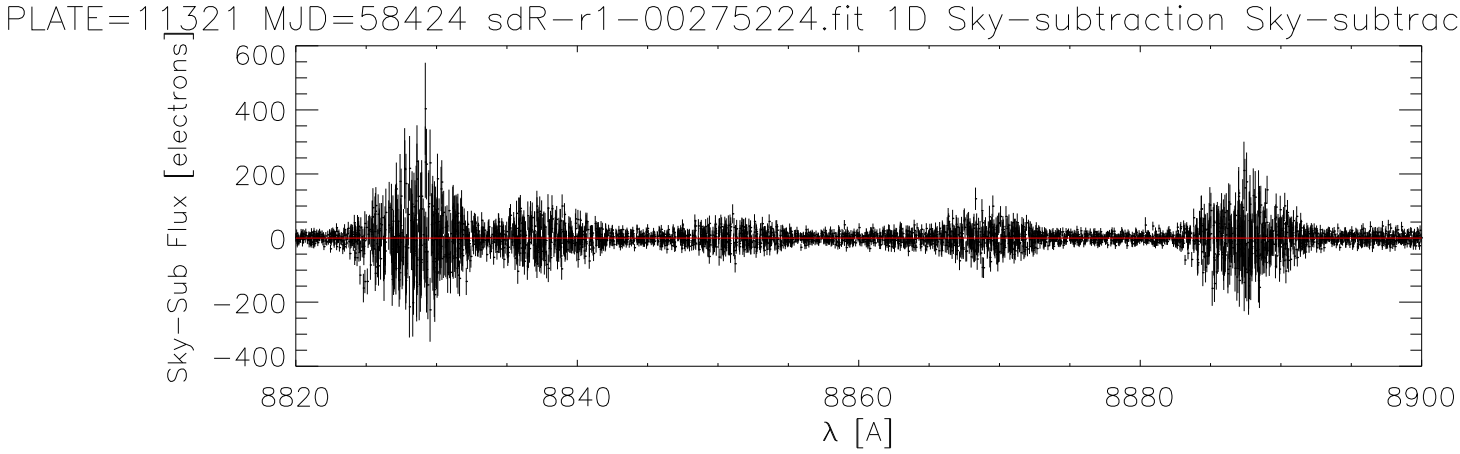

PLATE=11321 MJD=58424 Extraction chi^2 for sdR−r1−00275224.fit
BLACK = Final chisq extraction
1.0
0.8
0.6
0.4
0.2
0.0
χ^2
0
1000
2000
3000
4000
Row number


PLATE=11321 MJD=58424 Sky Line Deviations for sdR-r1-00275224.fit
Before shift
After shift
1.00 pix
Fiber Number
0
100
200
300
400
500
Sky Line Wavelength

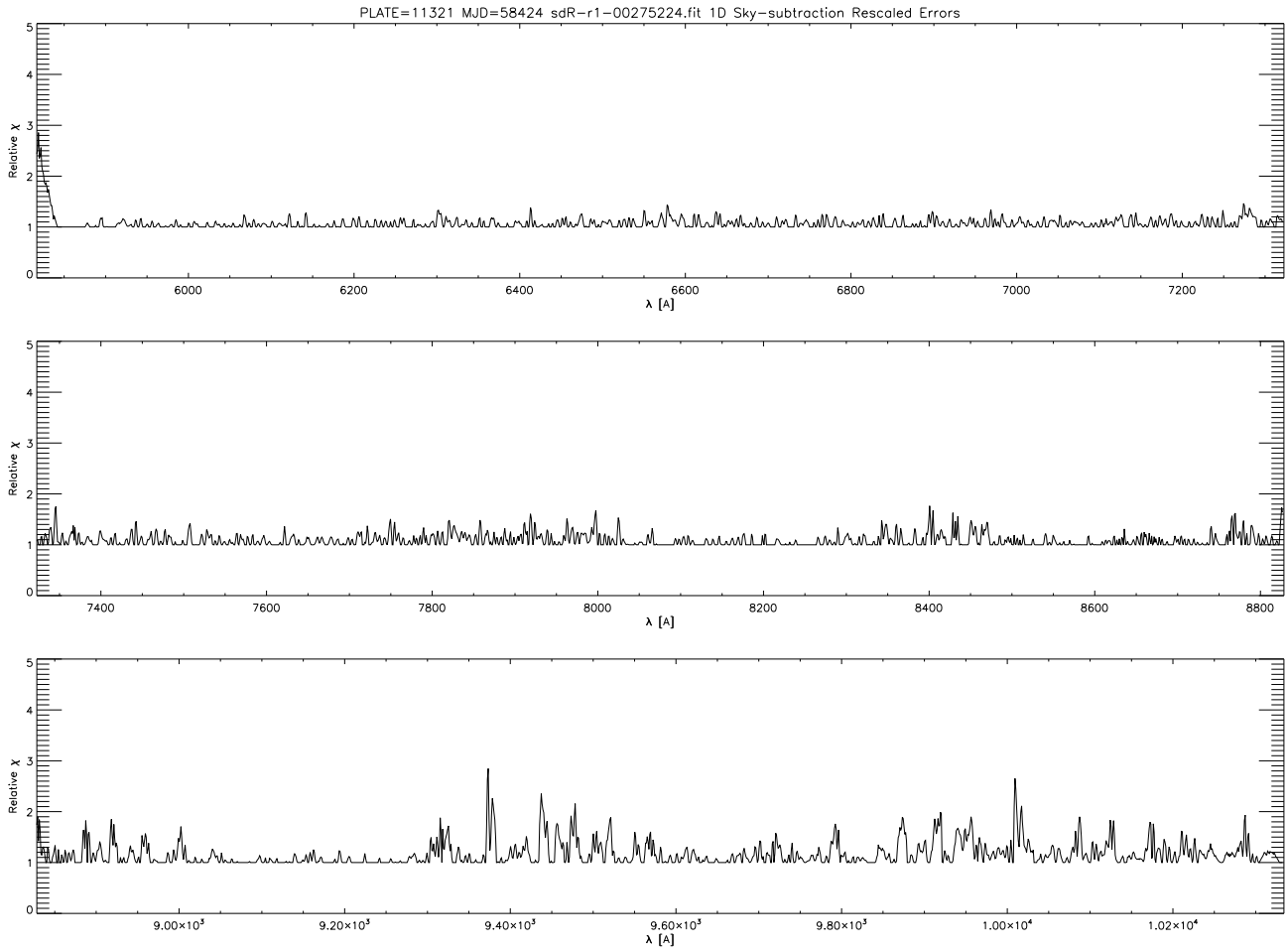

PLATE=11321 MJD=58424 Smooth superflat for sdR-r1-00275224.fit
2.0
1.5
1.0
0.5
0.0
1.04
1.02
1.00
0.98
0.96
5.0×10^3
6.0×10^3
7.0×10^3
8.0×10^3
9.0×10^3
1.0×10^4
1.1×10^4
Wavelength (Å)

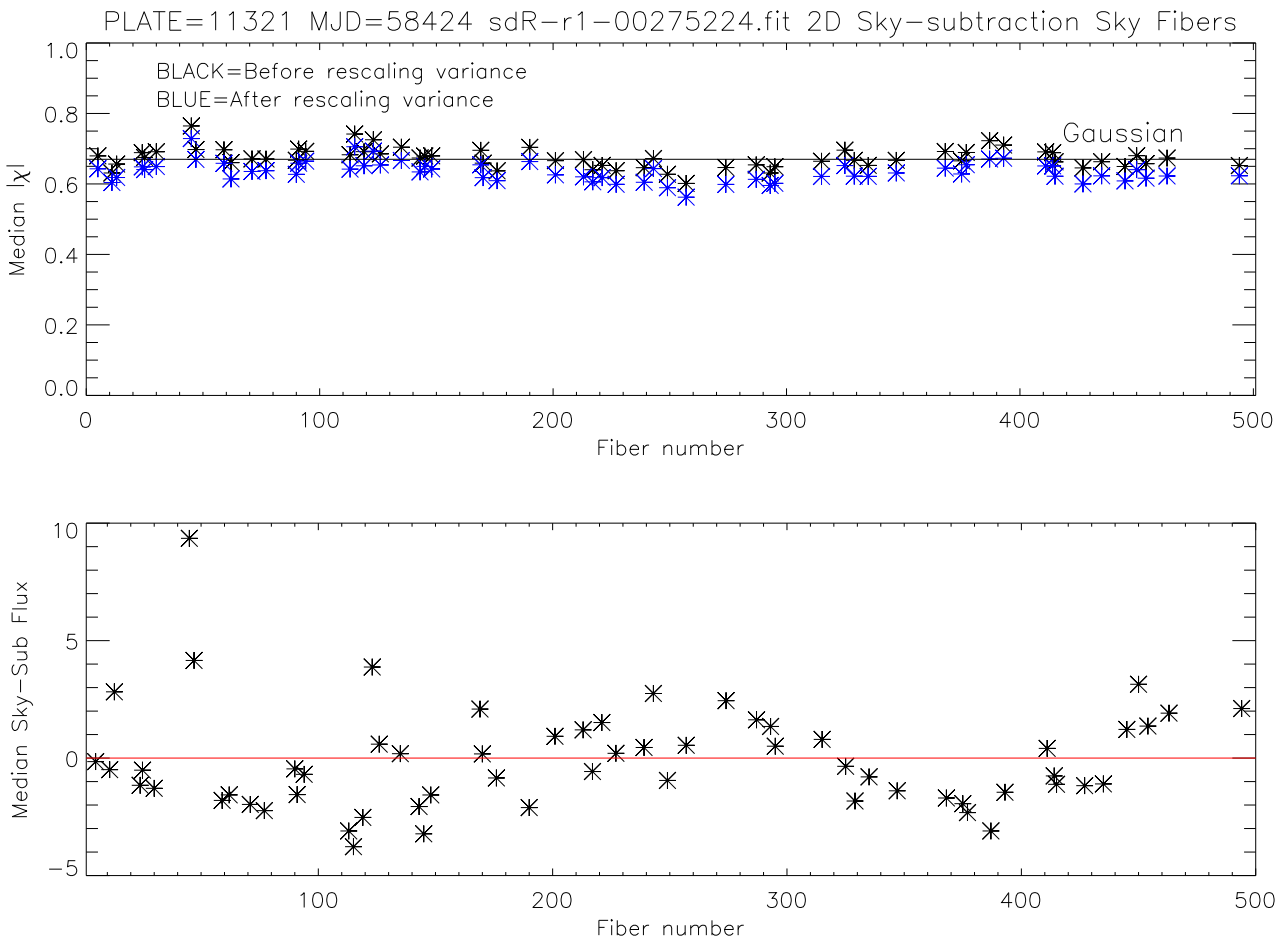

PLATE=11321 MJD=58424 sdR-r1-00275224.fit 1D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

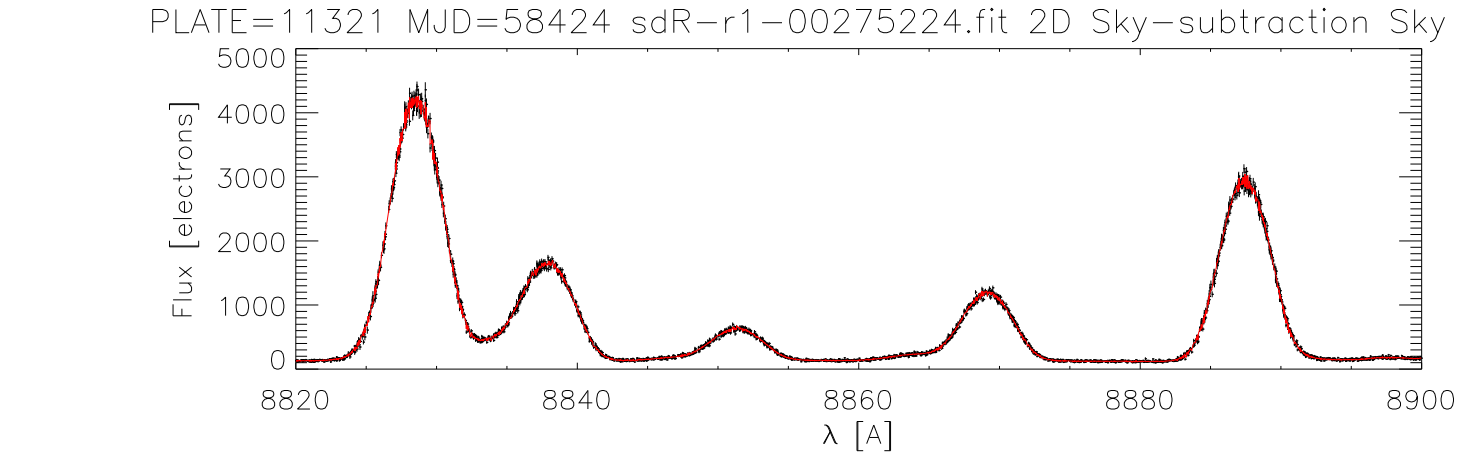

PLATE=11321 MJD=58424 sdR-r1-00275224.fit 1D Sky-subtraction Sky Fibers
Flux [electrons]
5000
4000
3000
2000
1000
0
8820
8840
8860
8880
8900
λ [A]

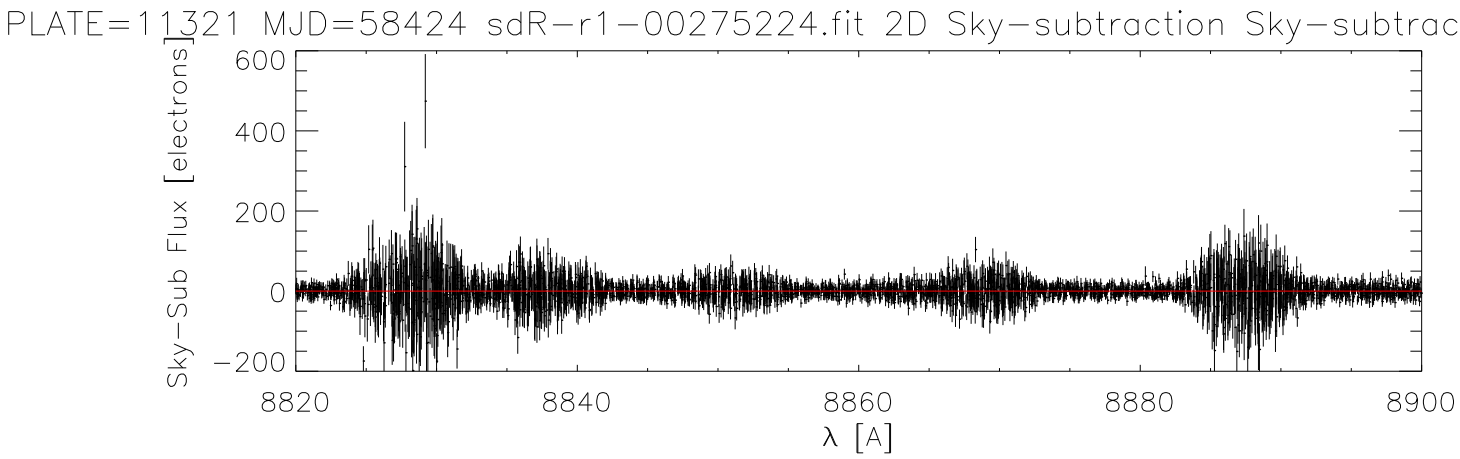

PLATE=11321 MJD=58424 sdR-r1-00275224.fit 1D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
600
400
200
0
-200
-400
8820
8840
8860
8880
8900
λ [A]

Number of sky fibers = 61

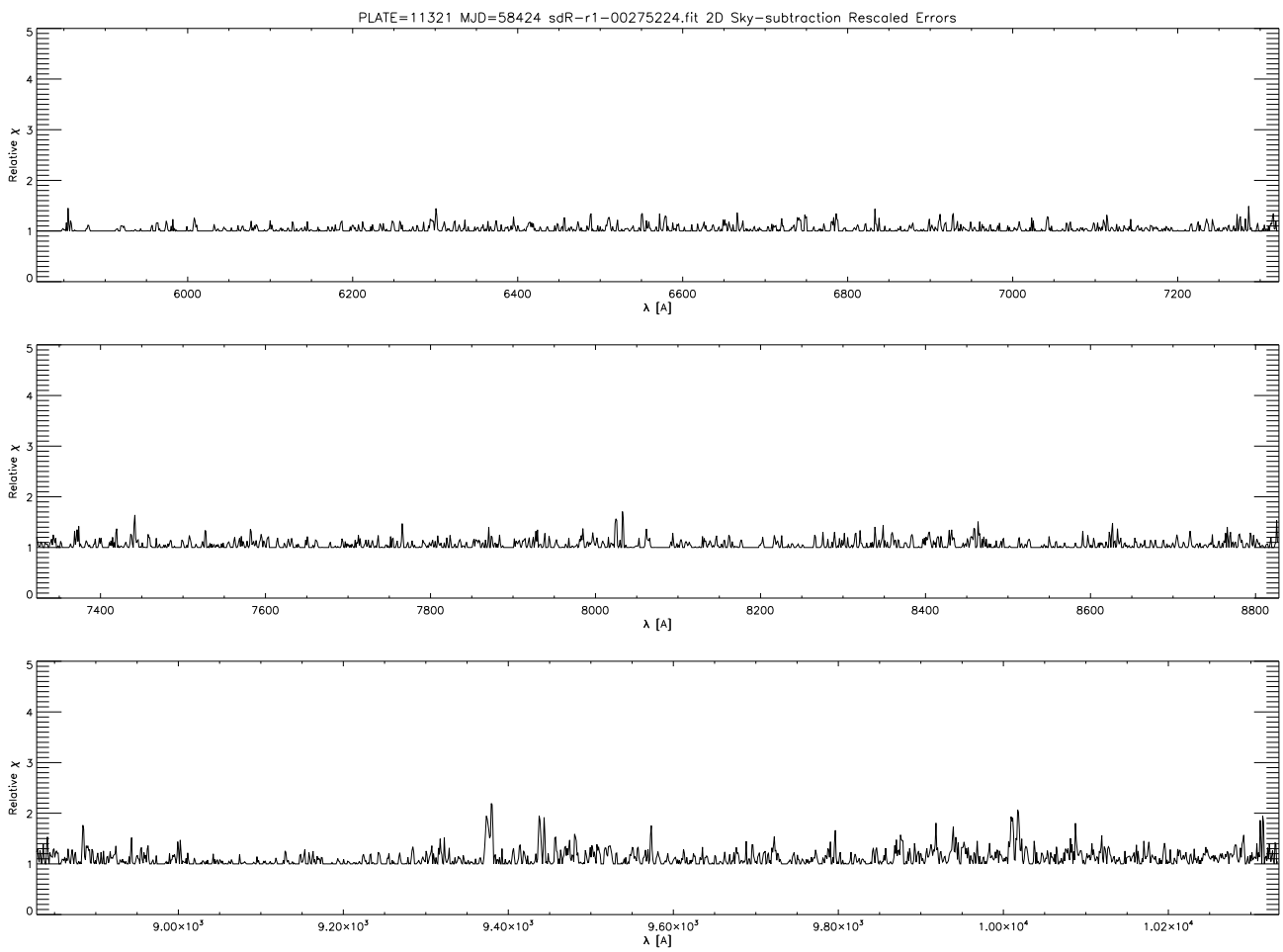


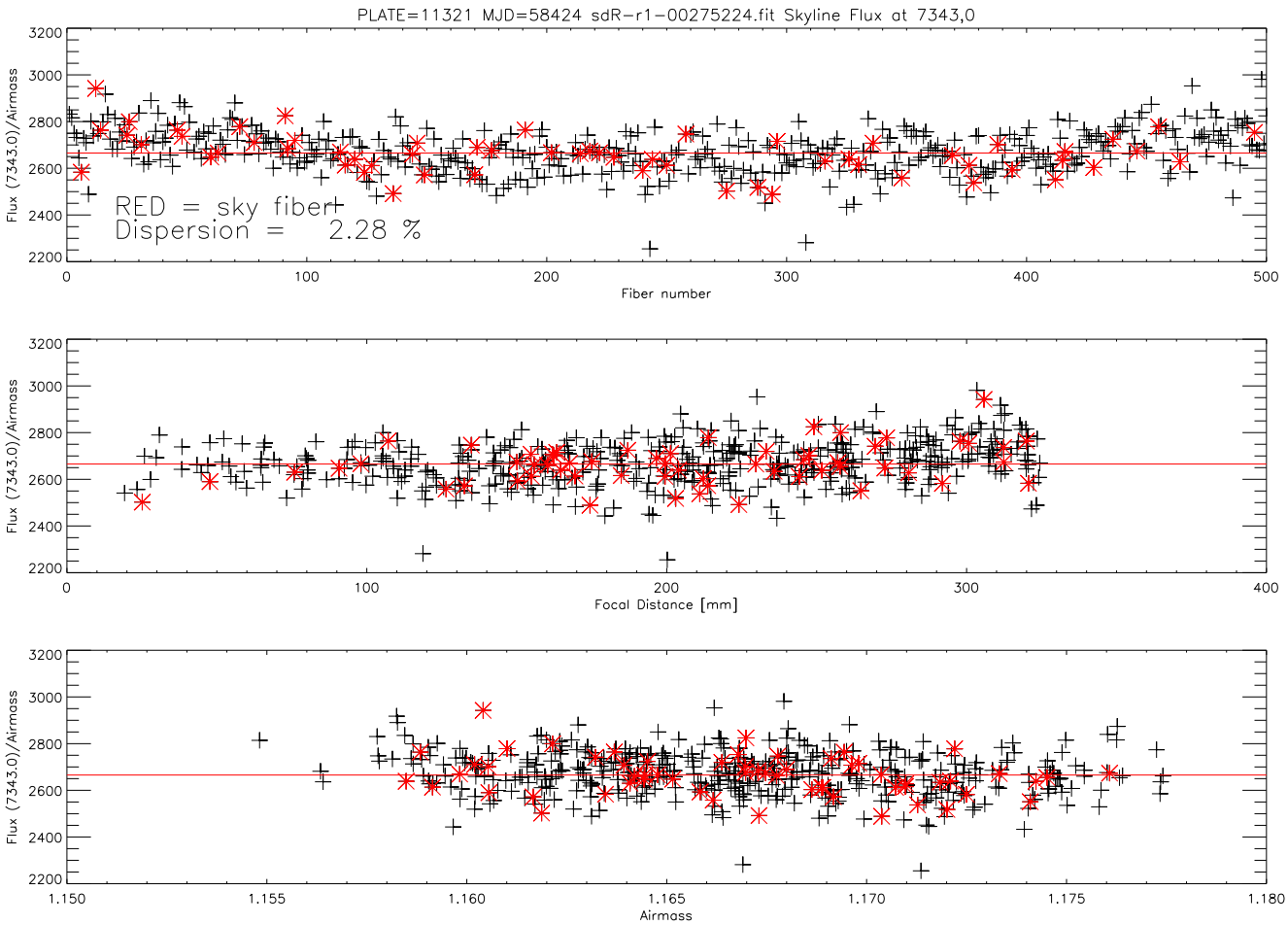

PLATE=11321 MJD=58424 sdR-r1-00275224.fit 2D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

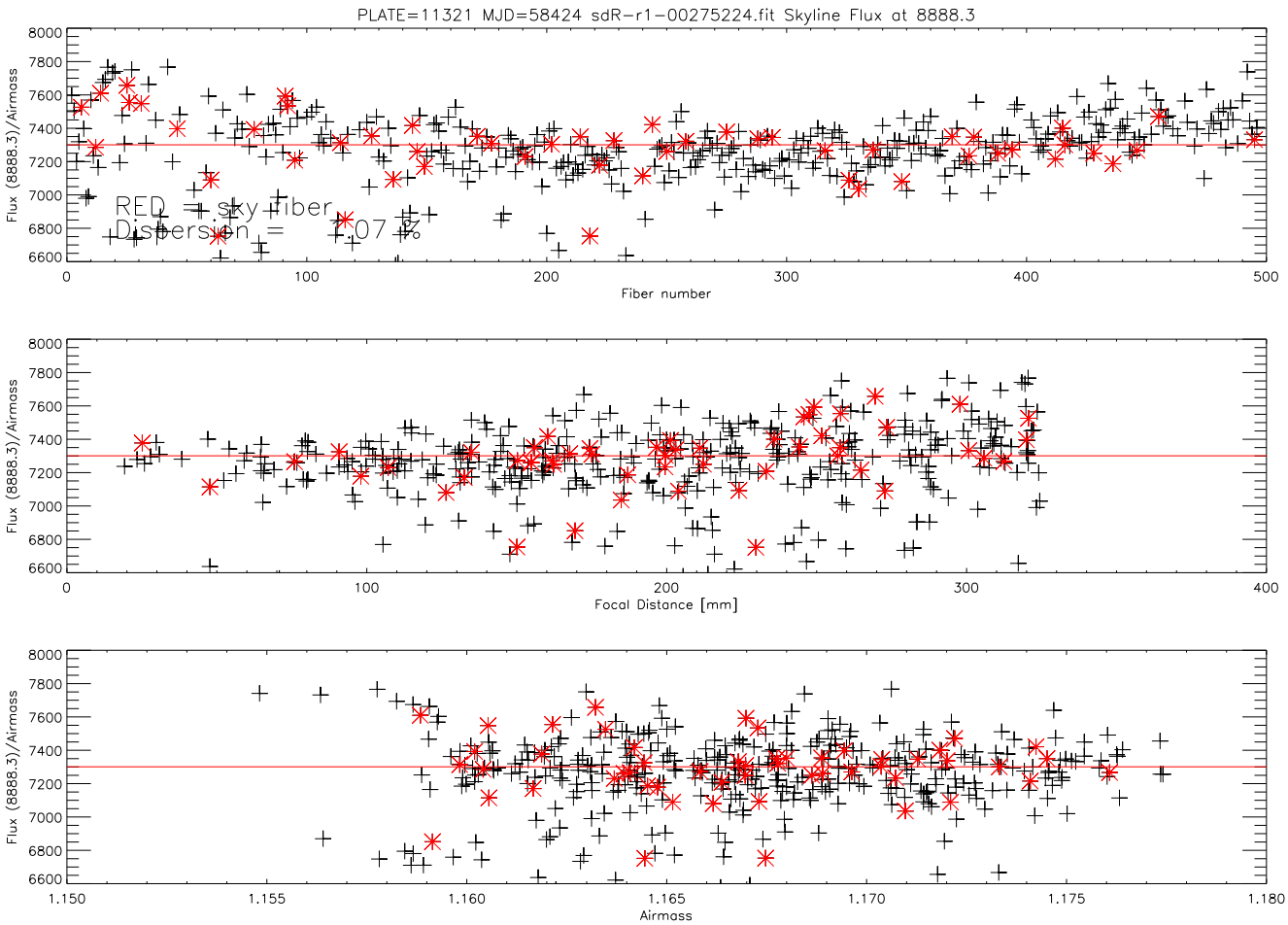

PLATE=11321 MJD=58424 sdR-r1-00275224.fit 2D Sky-subtraction Sky Fibers
Flux [electrons]
5000
4000
3000
2000
1000
0
8820
8840
8860
8880
8900
λ [A]

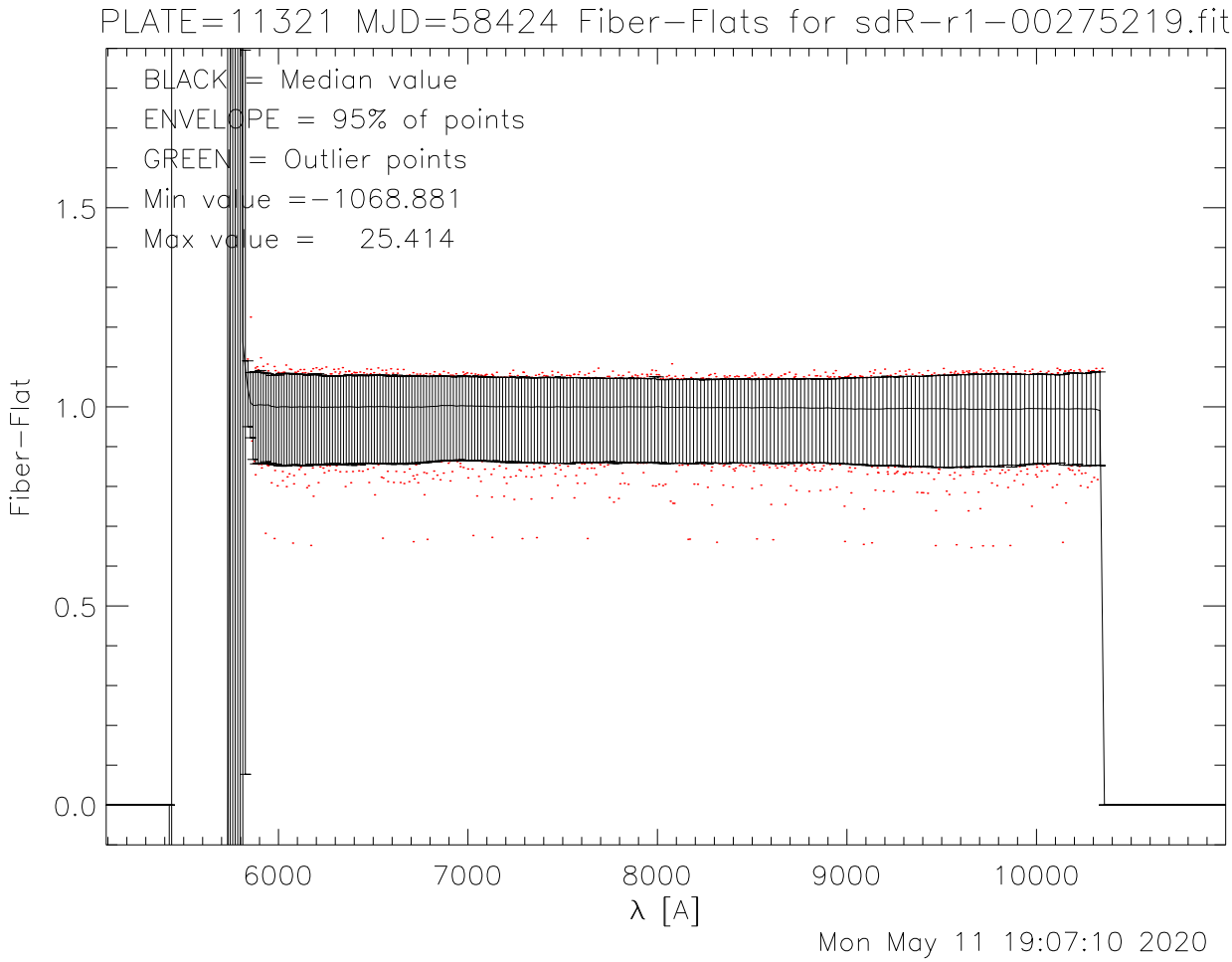

PLATE=11321 MJD=58424 sdR-r1-00275224.fit 2D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
600
400
200
0
-200
8820
8840
8860
8880
8900
λ [A]

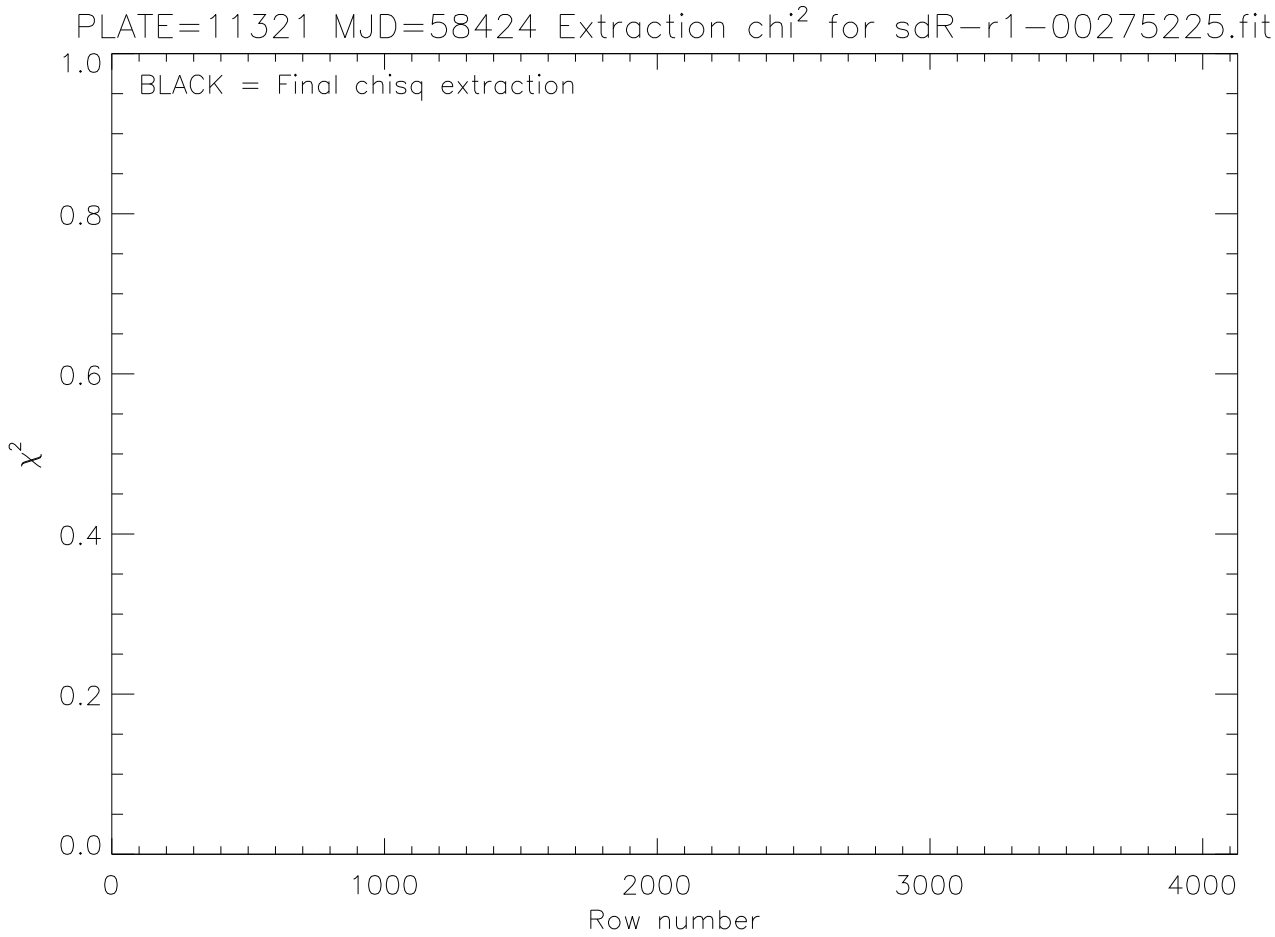
Number of sky fibers = 61

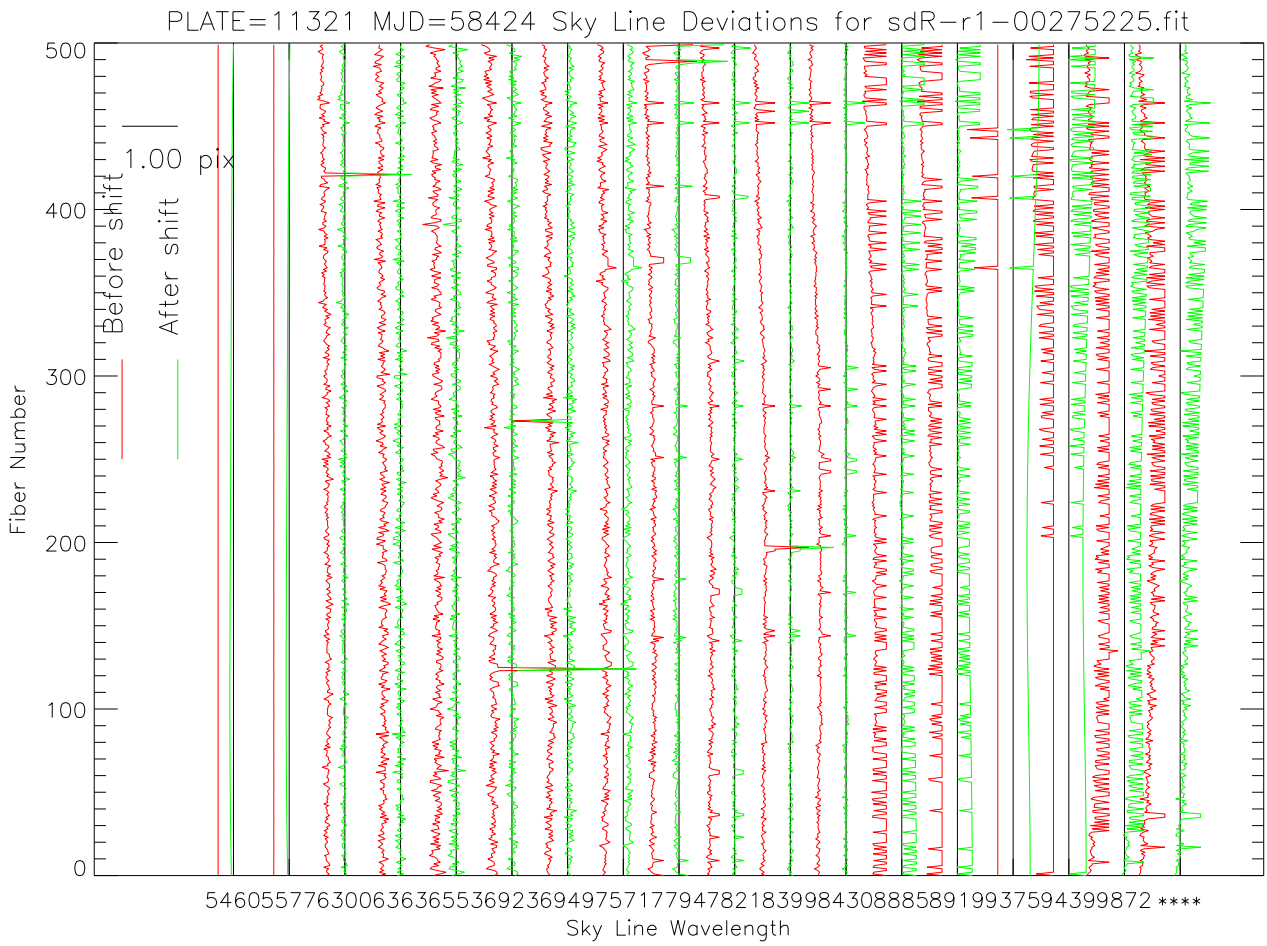


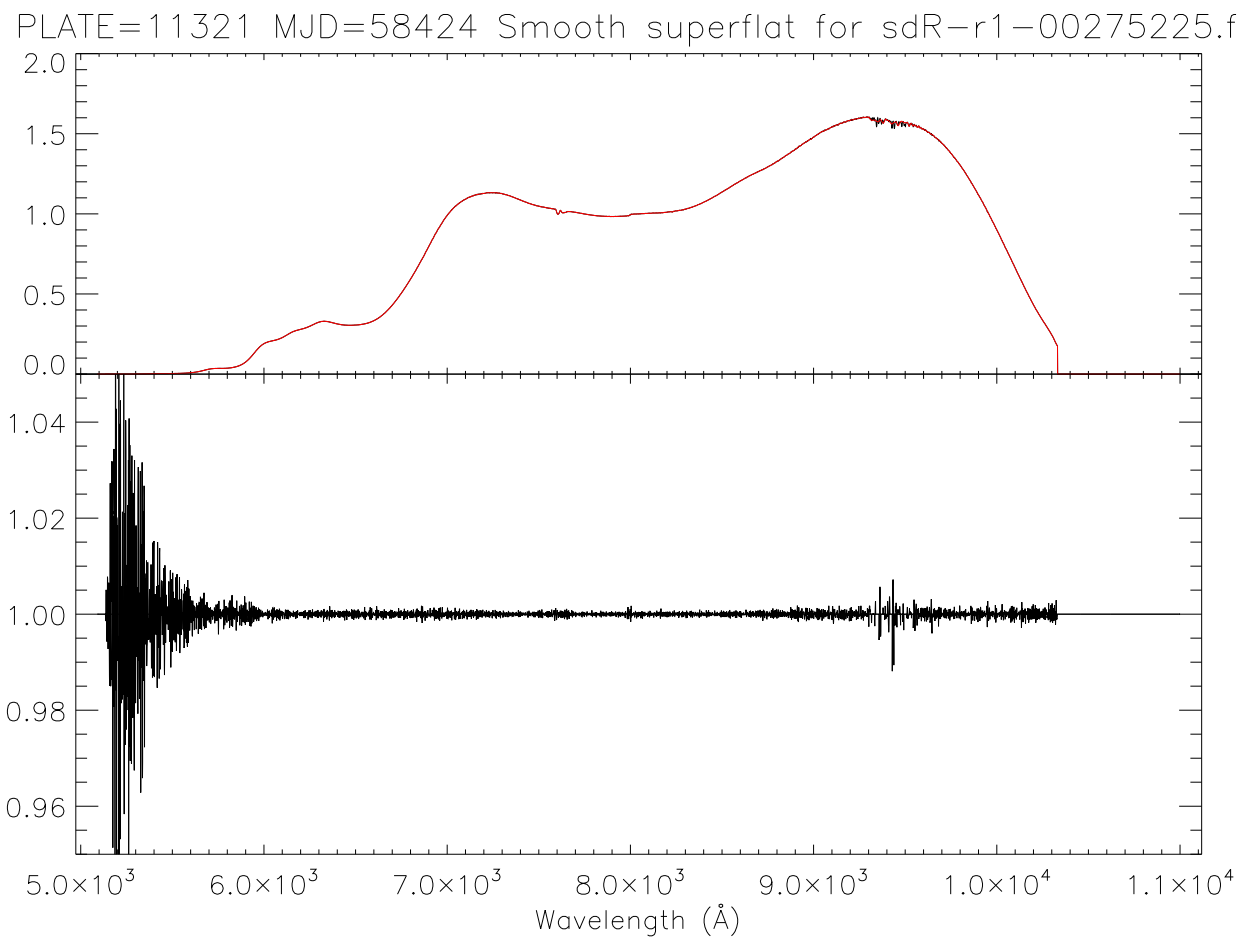

PLATE=11321 MJD=58424 sdR-r1-00275224.fit Skyline Flux at 7343,0
Flux (7343.0)/Airmass
RED = sky fiber
Dispersion = 2.28 %
Fiber number
Flux (7343.0)/Airmass
Focal Distance [mm]
Flux (7343.0)/Airmass
Airmass

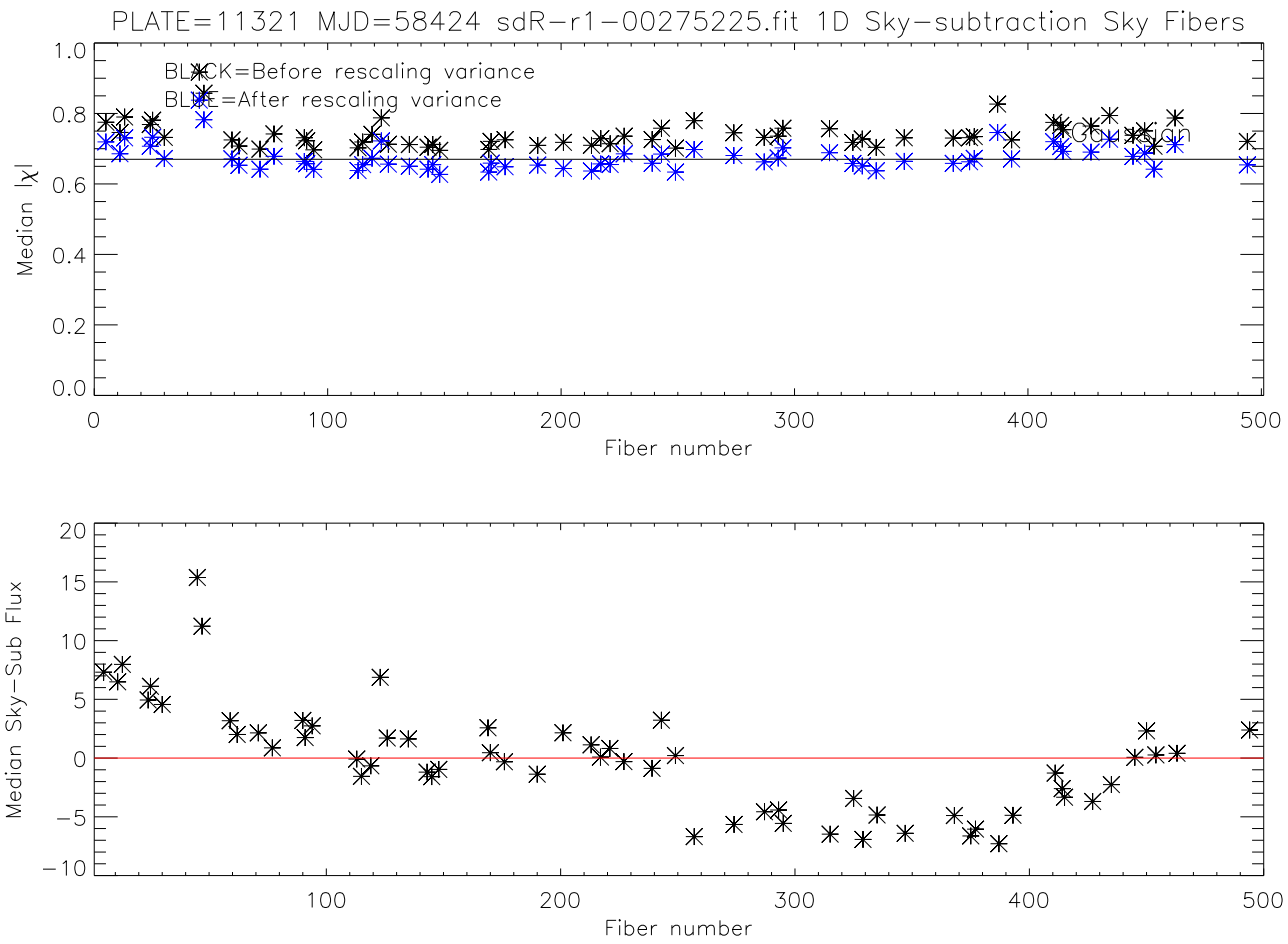

PLATE=11321 MJD=58424 sdR-r1-00275224.fit Skyline Flux at 8888.3
Flux (8888.3)/Airmass
Fiber number
RED = sky fiber
Dispersion = .07 %
Flux (8888.3)/Airmass
Focal Distance [mm]
Flux (8888.3)/Airmass
Airmass

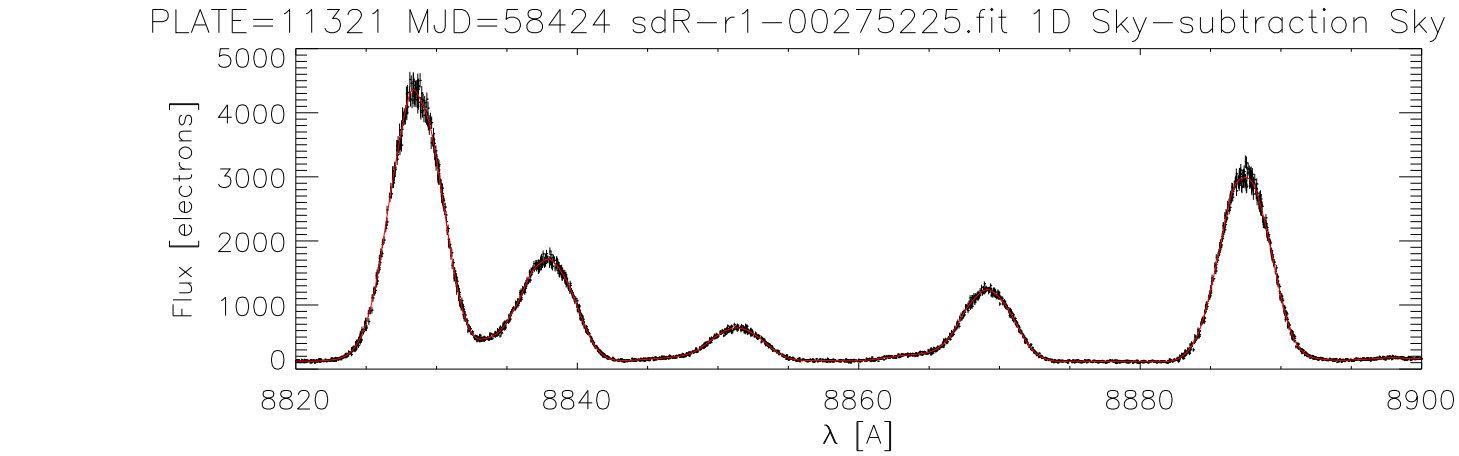

PLATE=11321 MJD=58424 Fiber-Flats for sdR-r1-00275219.fit
BLACK = Median value
ENVELOPE = 95% of points
GREEN = Outlier points
Min value =-1068.881
Max value = 25.414
Fiber-Flat
1.5
1.0
0.5
0.0
6000
7000
8000
9000
10000
λ [A]
Mon May 11 19:07:10 2020

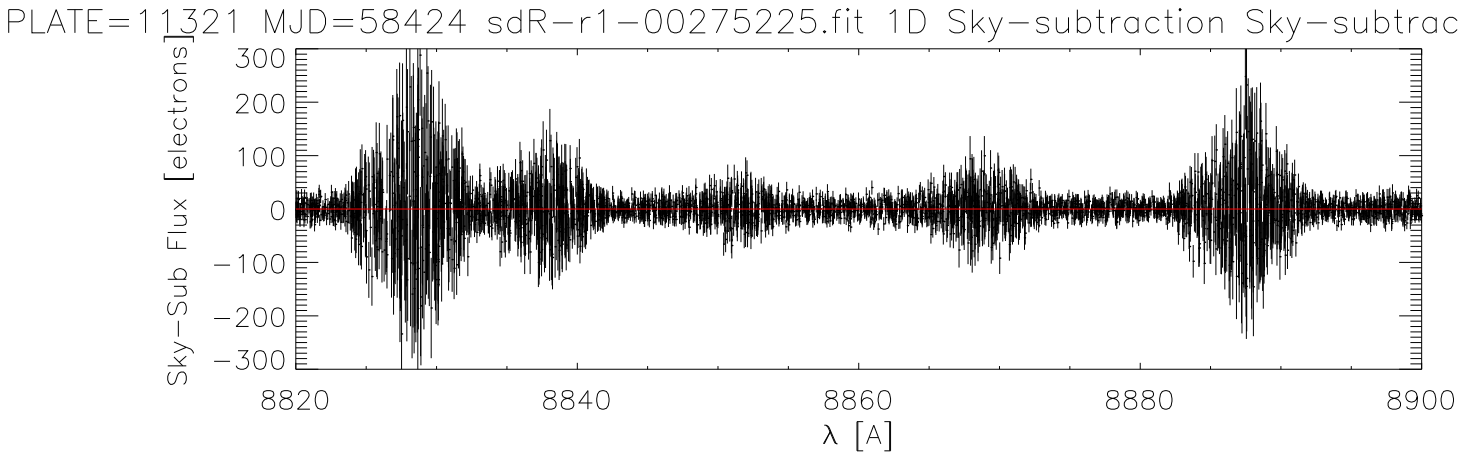

PLATE=11321 MJD=58424 Extraction chi^2 for sdR−r1−00275225.fit
BLACK = Final chisq extraction
χ^2
1.0
0.8
0.6
0.4
0.2
0.0
0
1000
2000
3000
4000
Row number


PLATE=11321 MJD=58424 Sky Line Deviations for sdR-r1-00275225.fit
Before shift
After shift
1.00 pix
Fiber Number
0
100
200
300
400
500
Sky Line Wavelength

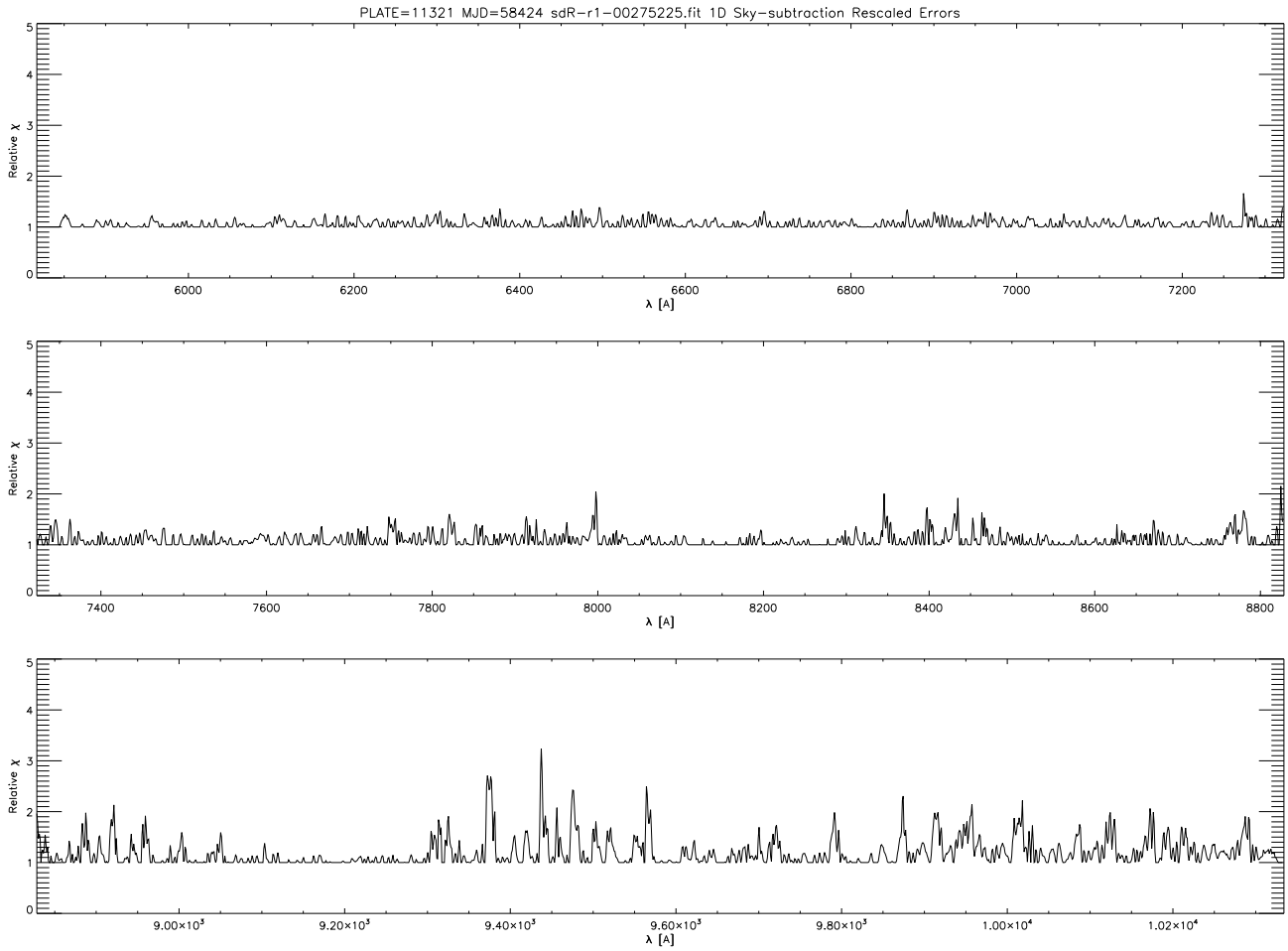

PLATE=11321 MJD=58424 Smooth superflat for sdR-r1-00275225.fit
2.0
1.5
1.0
0.5
0.0
1.04
1.02
1.00
0.98
0.96
5.0×10^3
6.0×10^3
7.0×10^3
8.0×10^3
9.0×10^3
1.0×10^4
1.1×10^4
Wavelength (Å)

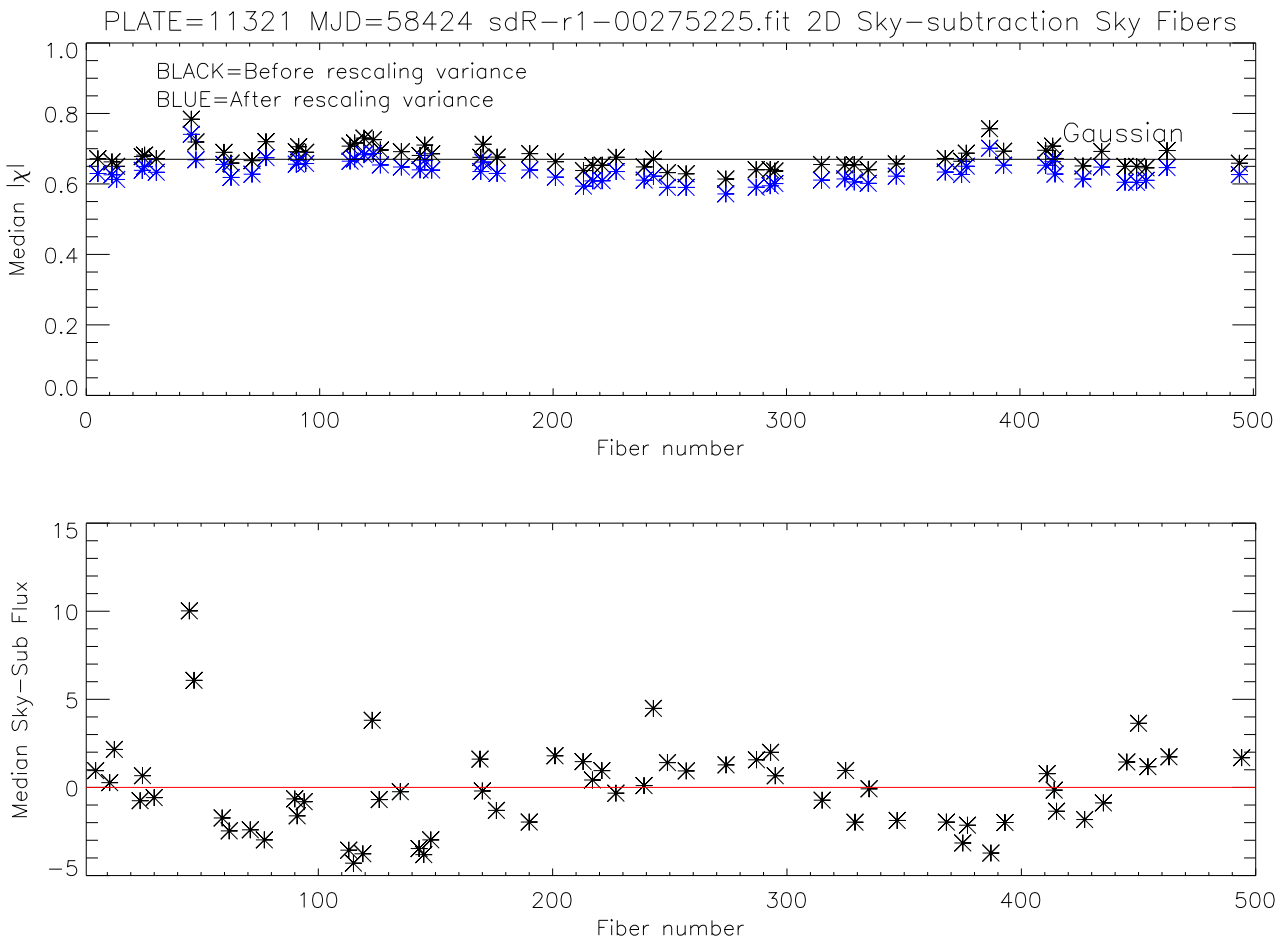

PLATE=11321 MJD=58424 sdR-r1-00275225.fit 1D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

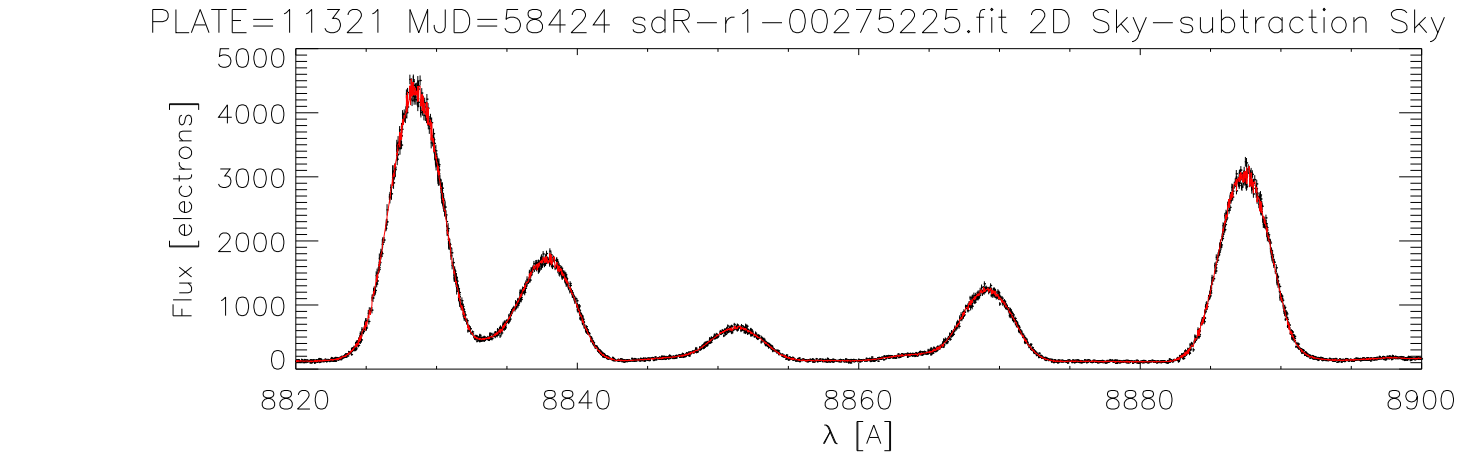

PLATE=11321 MJD=58424 sdR-r1-00275225.fit 1D Sky-subtraction Sky Fibers
Flux [electrons]
5000
4000
3000
2000
1000
0
8820
8840
8860
8880
8900
λ [A]

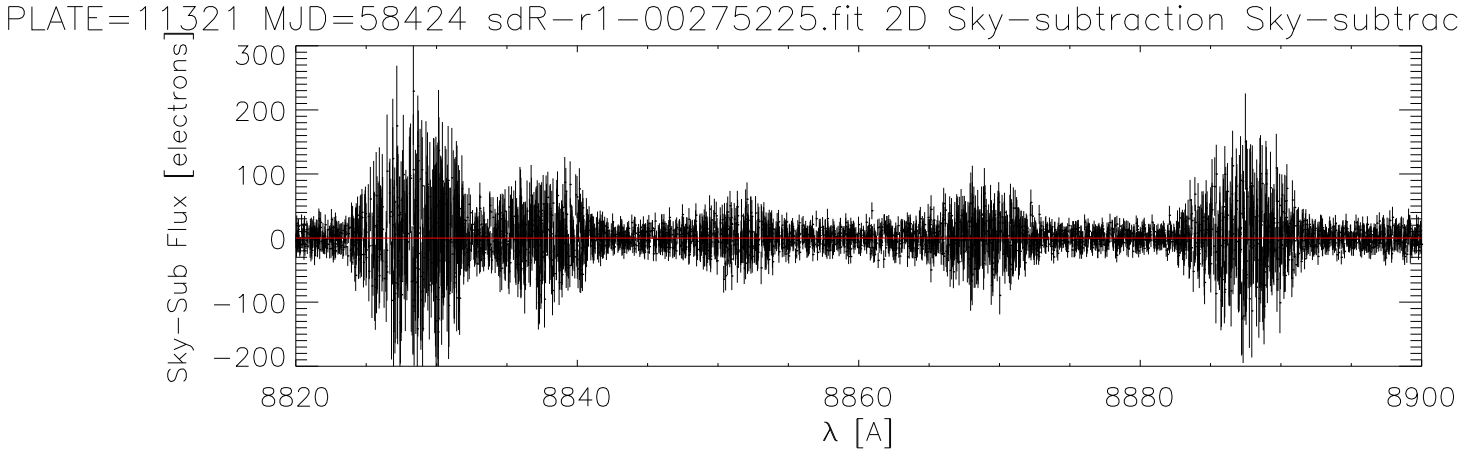

PLATE=11321 MJD=58424 sdR-r1-00275225.fit 1D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
300
200
100
0
-100
-200
-300
8820
8840
8860
8880
8900
λ [A]

Number of sky fibers = 61

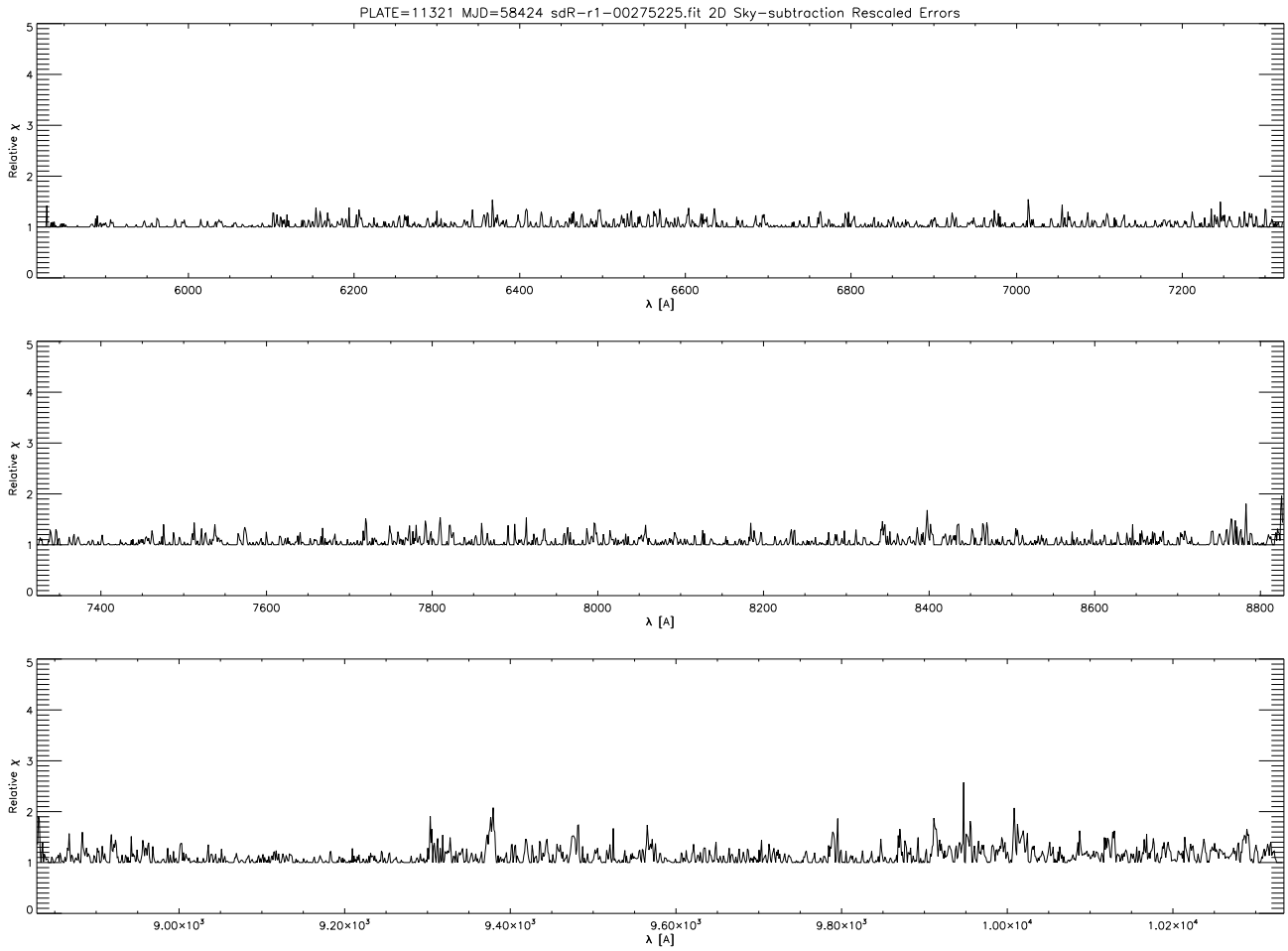


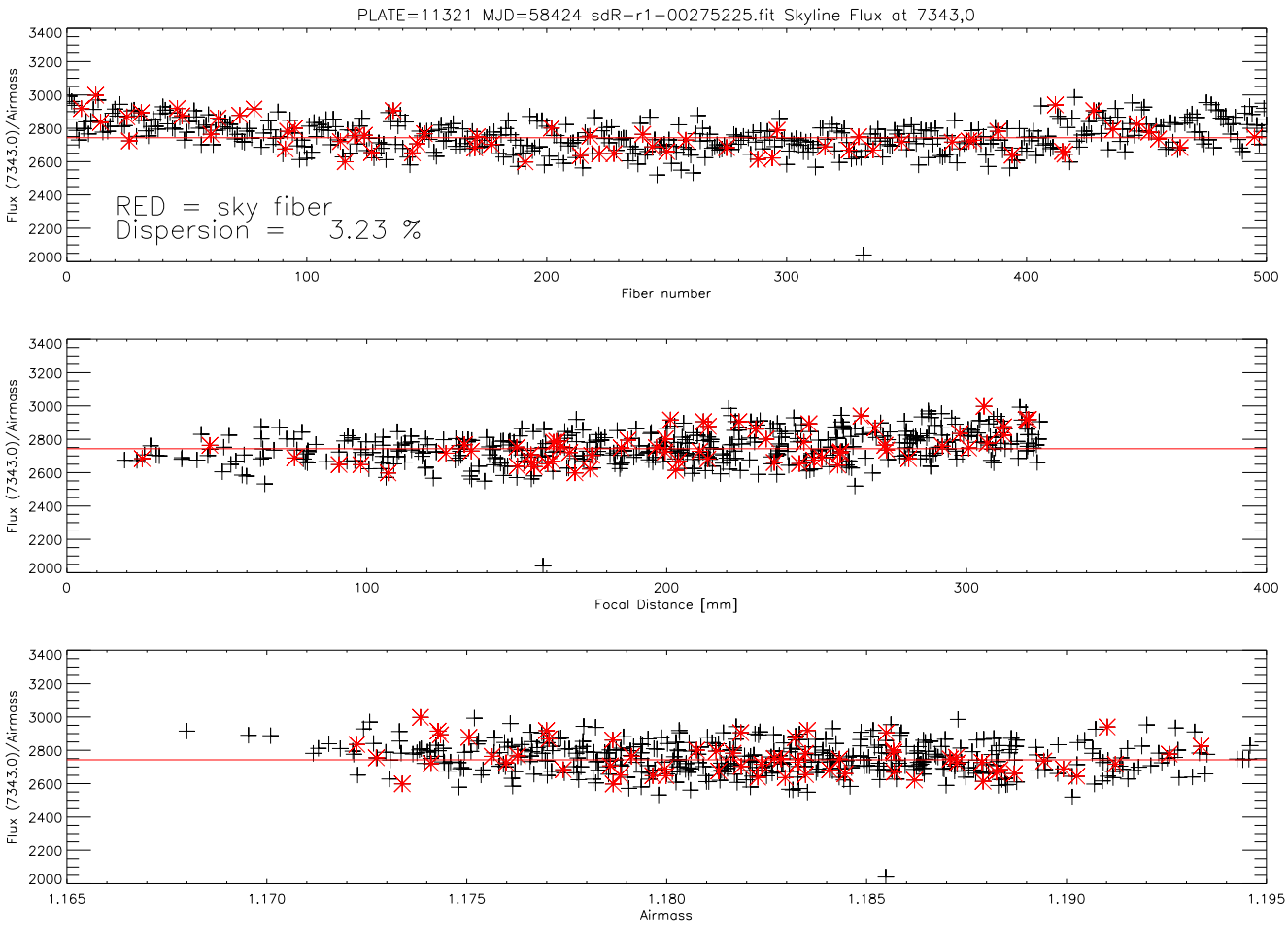

PLATE=11321 MJD=58424 sdR-r1-00275225.fit 2D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

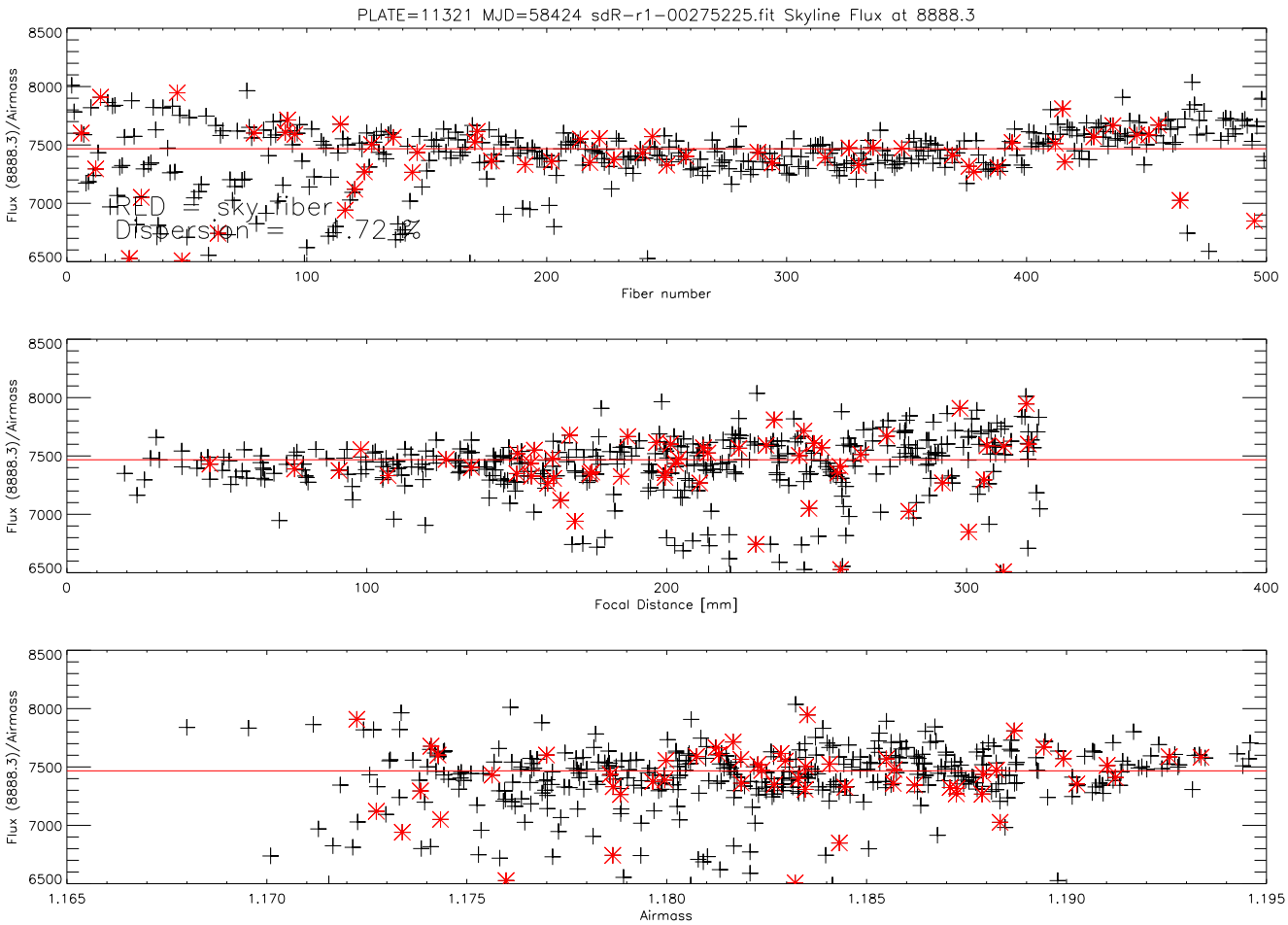

PLATE=11321 MJD=58424 sdR-r1-00275225.fit 2D Sky-subtraction Sky Fibers
Flux [electrons]
5000
4000
3000
2000
1000
0
8820
8840
8860
8880
8900
λ [A]


PLATE=11321 MJD=58424 sdR-r1-00275225.fit 2D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
300
200
100
0
-100
-200
8820
8840
8860
8880
8900
λ [A]

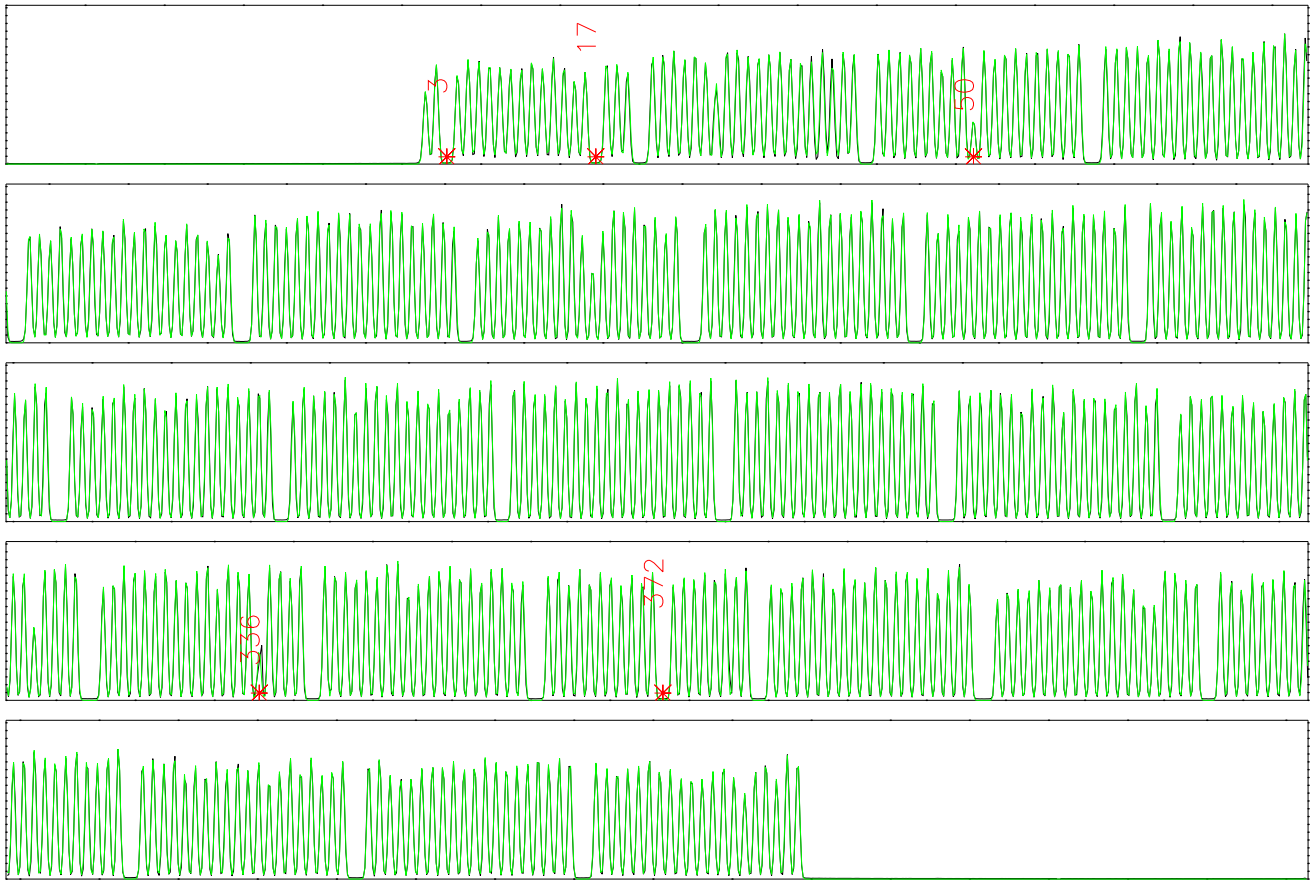
Number of sky fibers = 61



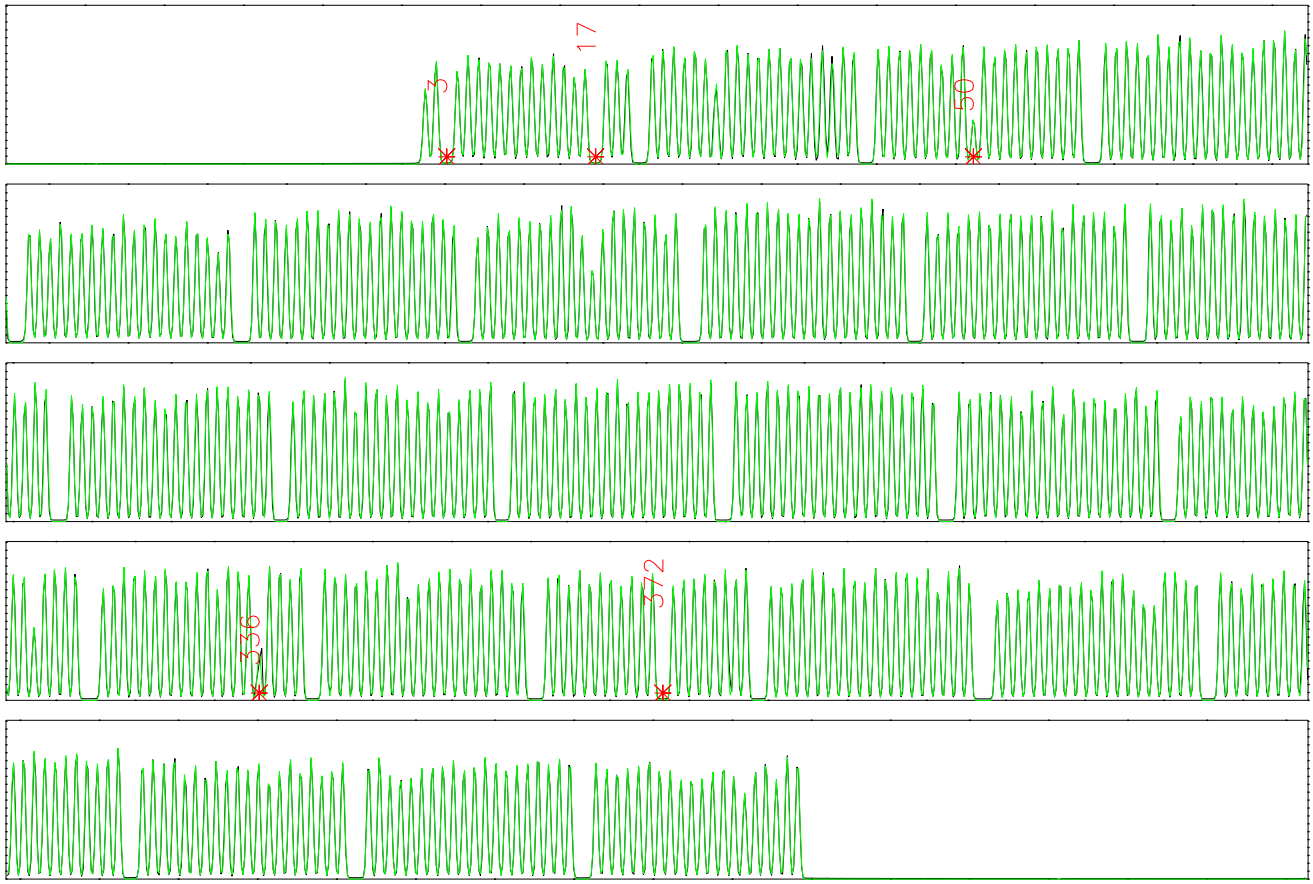

PLATE=11321 MJD=58424 sdR-r1-00275225.fit Skyline Flux at 7343,0
Flux (7343.0)/Airmass
RED = sky fiber
Dispersion = 3.23 %
Fiber number
Flux (7343.0)/Airmass
Focal Distance [mm]
Flux (7343.0)/Airmass
Airmass

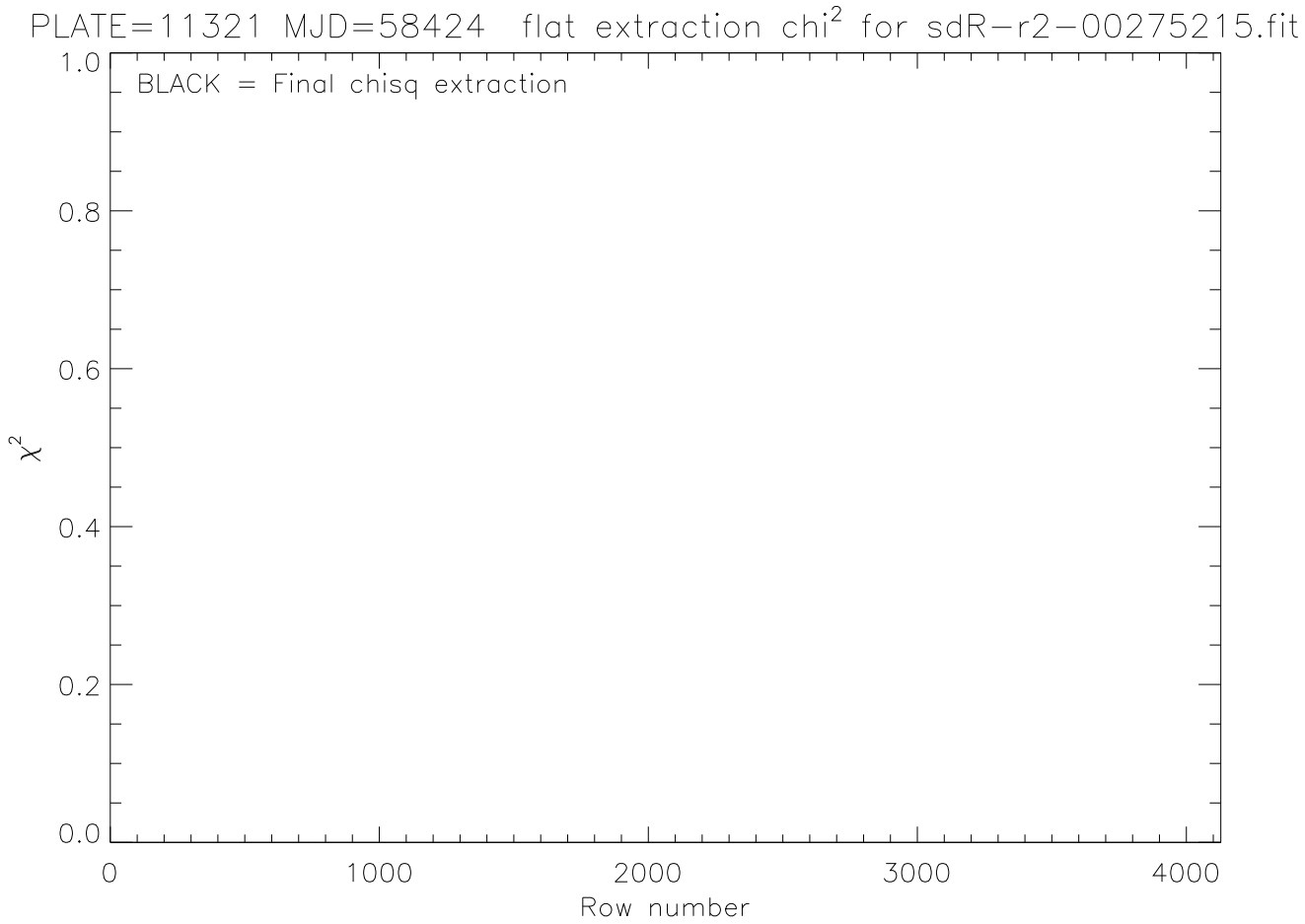

PLATE=11321 MJD=58424 sdR-r1-00275225.fit Skyline Flux at 8888.3
Flux (8888.3)/Airmass
Fiber number
RED = sky fiber
Dispersion = #.72#
Flux (8888.3)/Airmass
Focal Distance [mm]
Flux (8888.3)/Airmass
Airmass

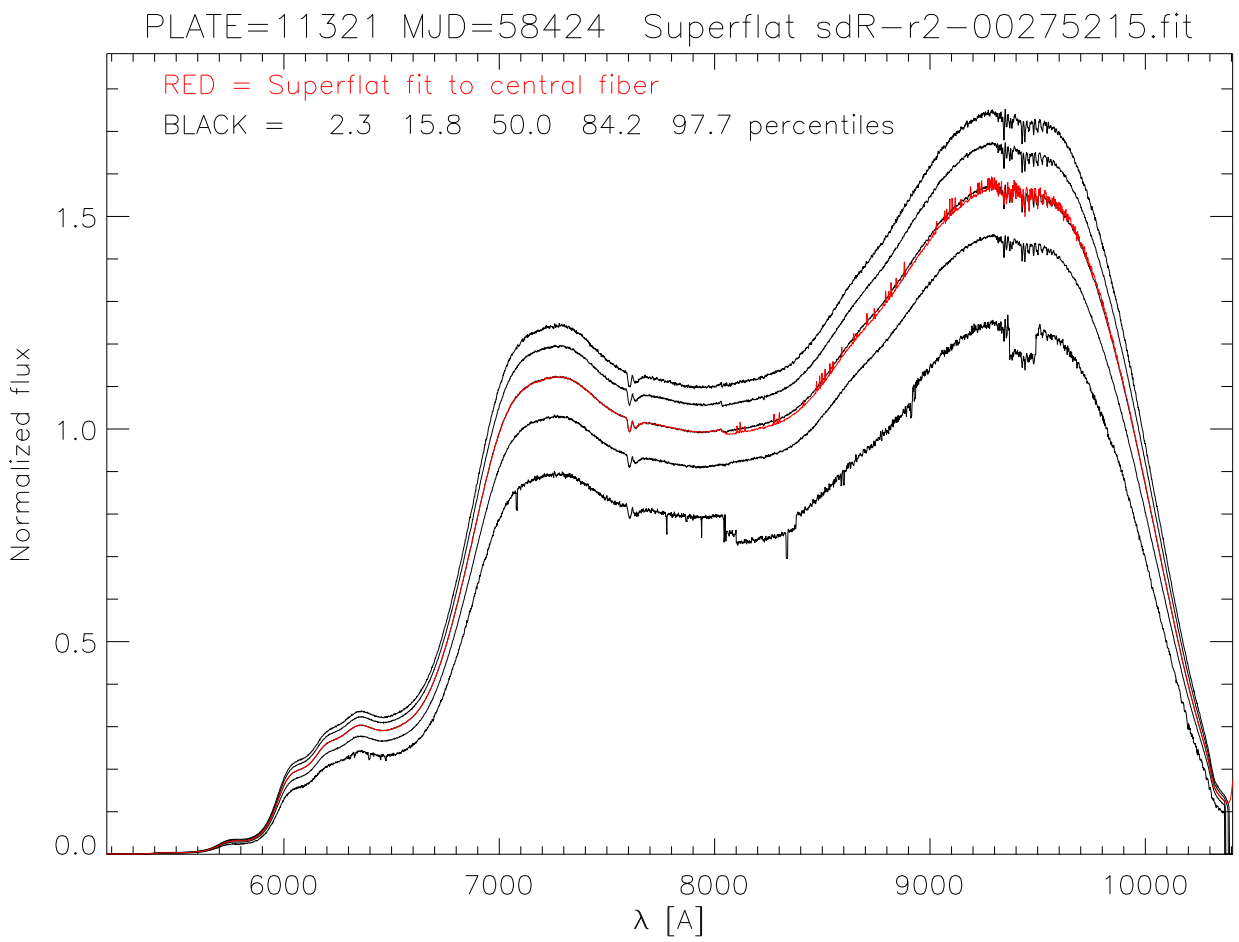
PLATE=11321 MJD=58424 Traces sdR-r2-00275215.fit

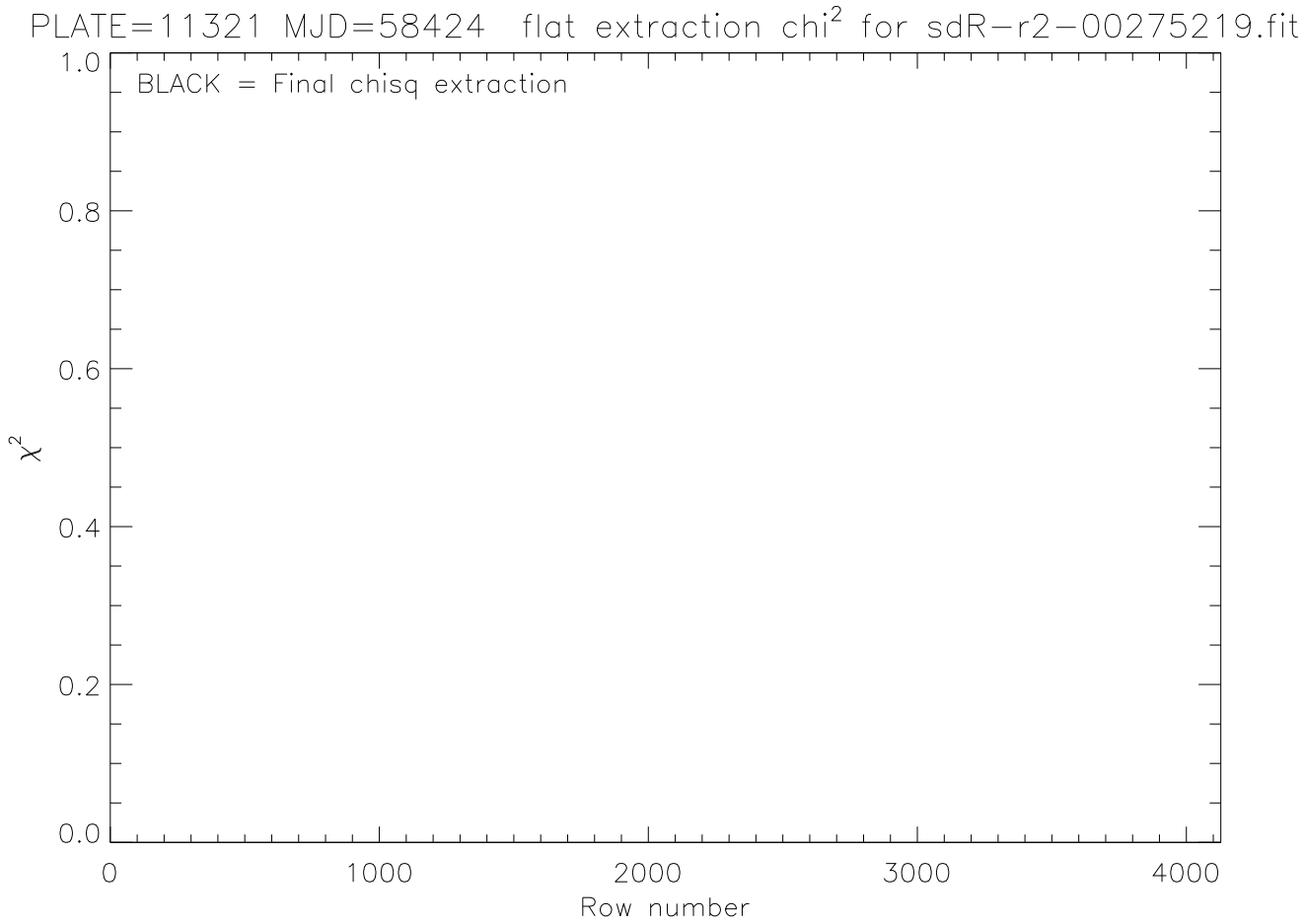


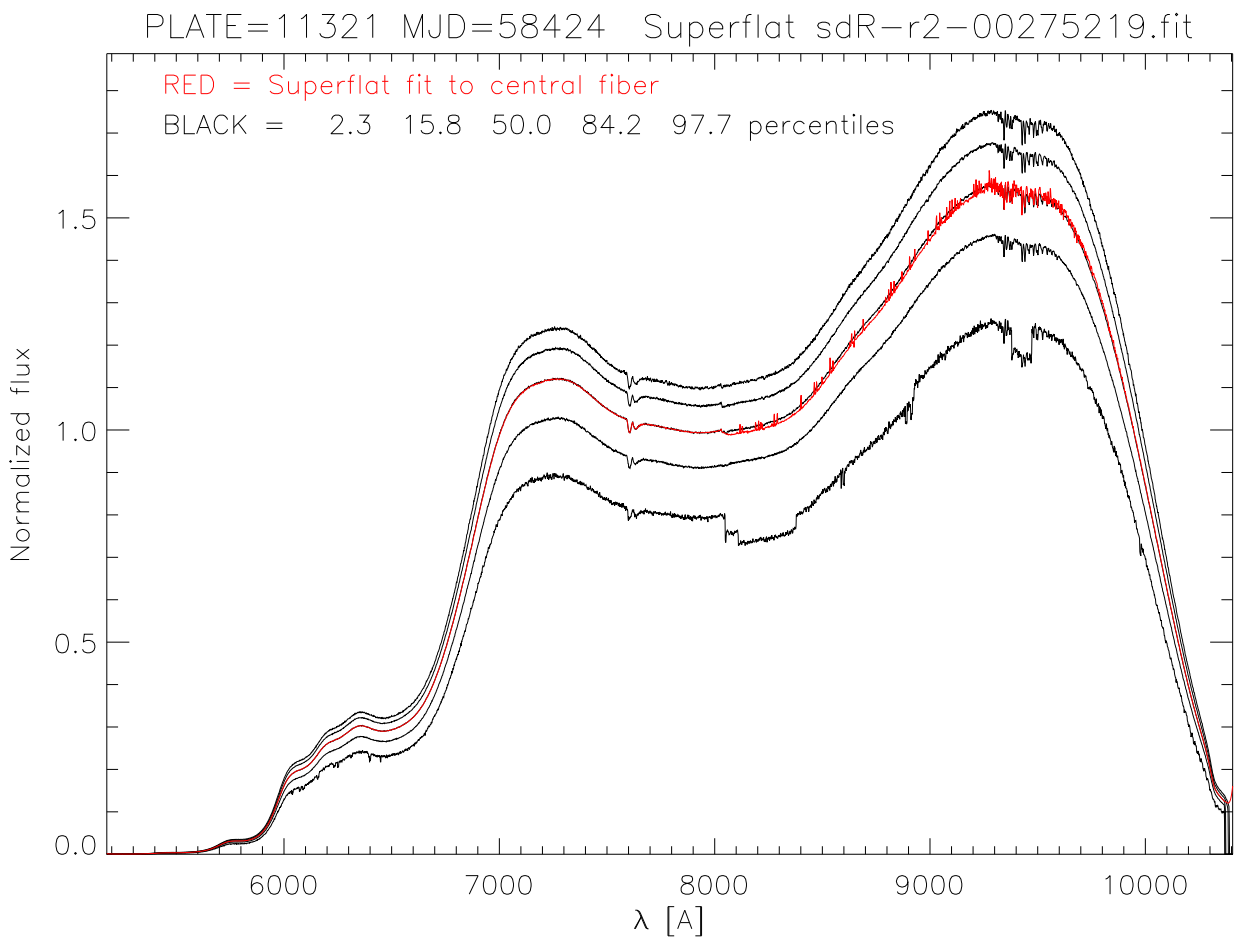
PLATE=11321 MJD=58424 Traces sdR-r2-00275219.fit

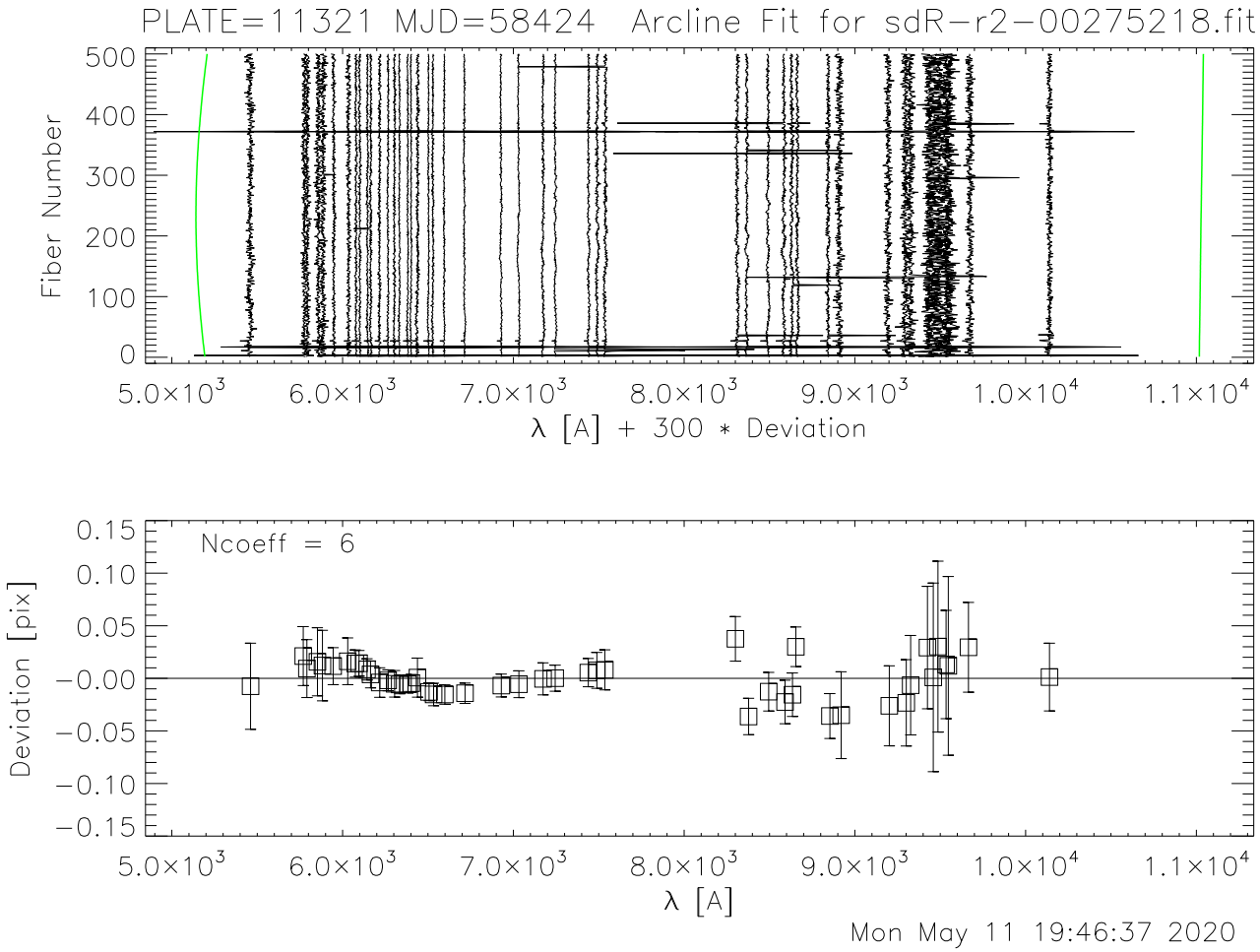


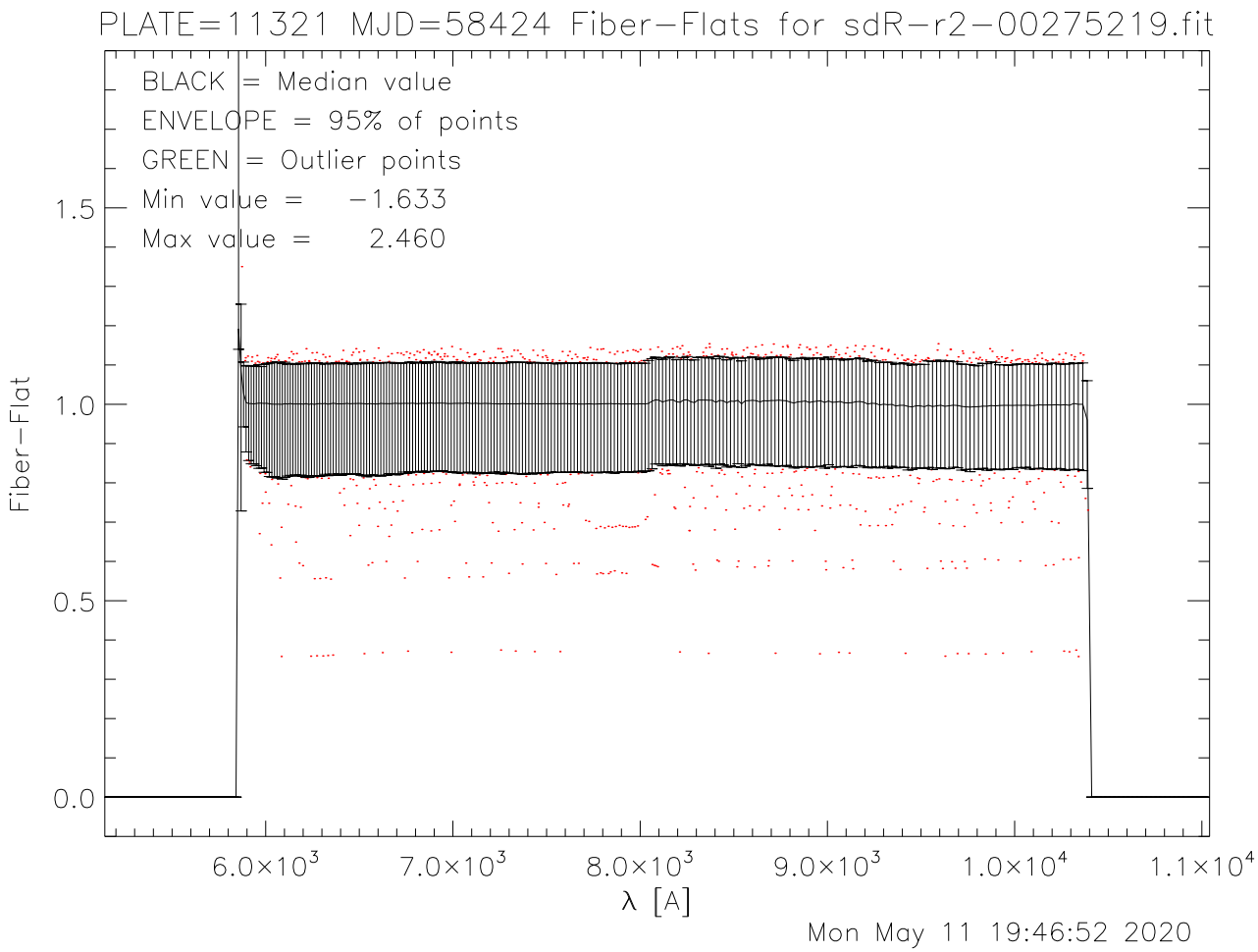

PLATE=11321 MJD=58424 flat extraction chi^2 for sdR-r2-00275215.fit
BLACK = Final chisq extraction
1.0
0.8
0.6
0.4
0.2
0.0
χ^2
0
1000
2000
3000
4000
Row number

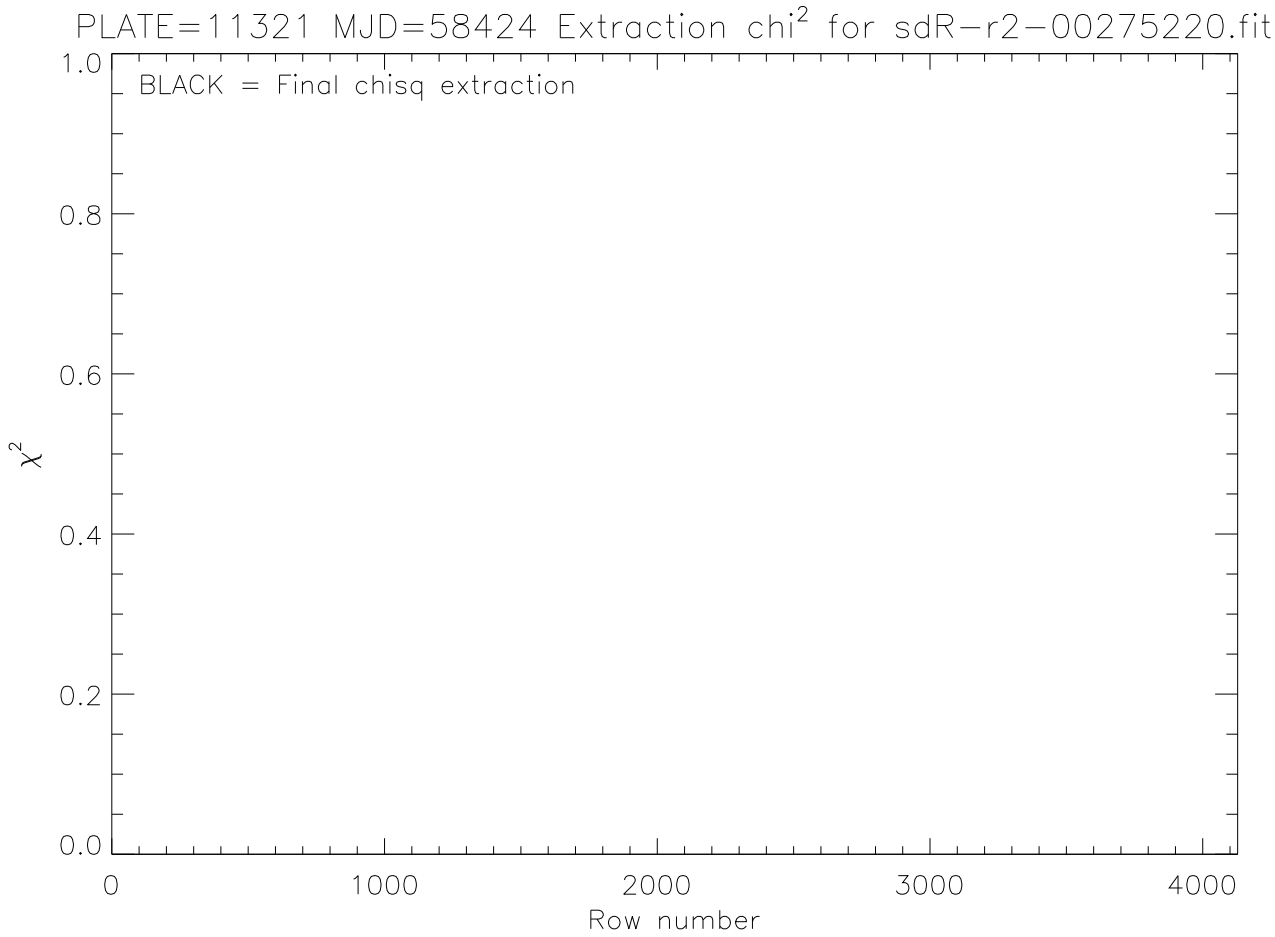

PLATE=11321 MJD=58424 Superflat sdR-r2-00275215.fit
RED = Superflat fit to central fiber
BLACK = 2.3 15.8 50.0 84.2 97.7 percentiles
Normalized flux
0.0
0.5
1.0
1.5
6000
7000
8000
9000
10000
λ [A]

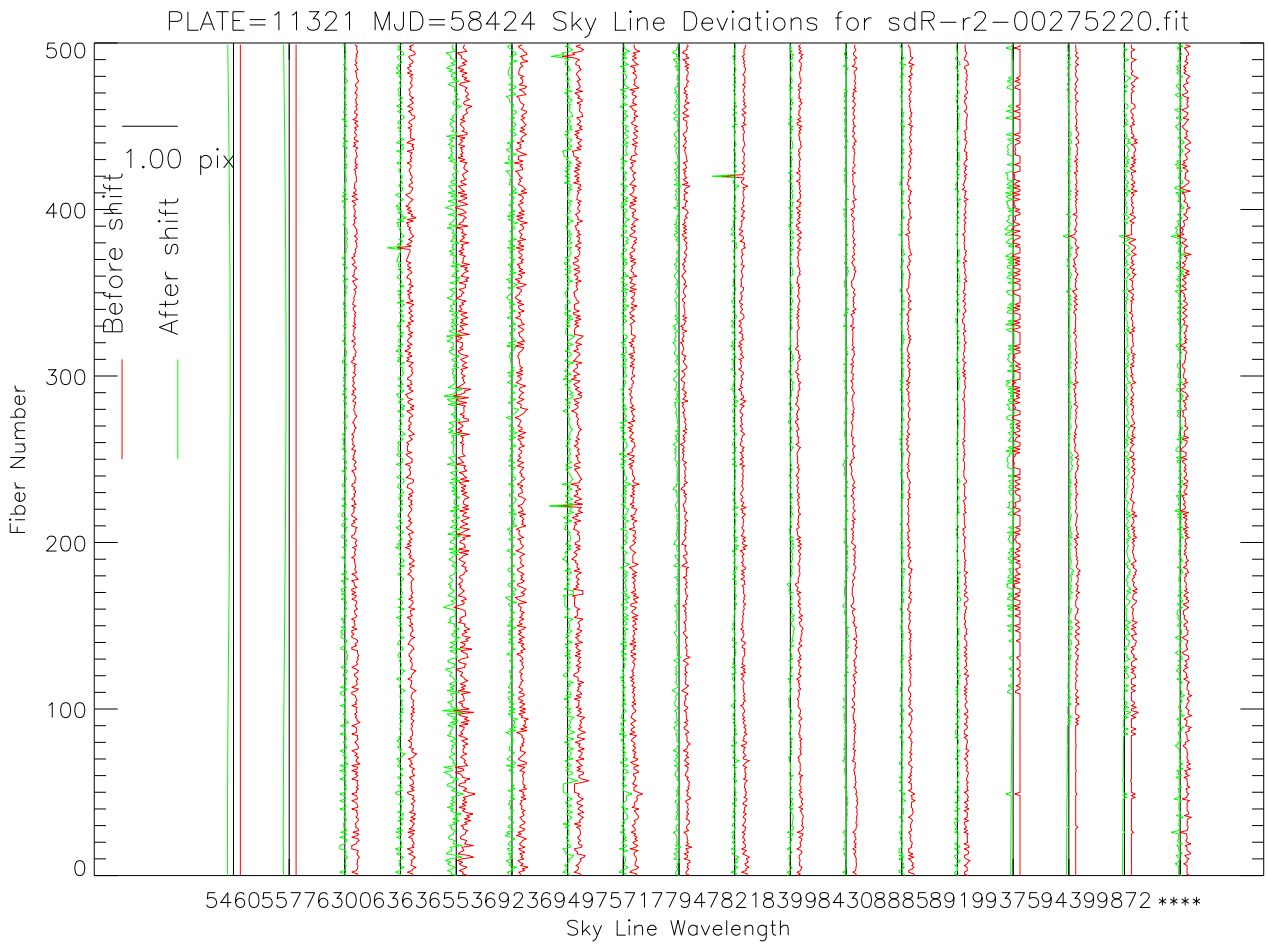

PLATE=11321 MJD=58424 flat extraction chi^2 for sdR-r2-00275219.fit
BLACK = Final chisq extraction
1.0
0.8
0.6
0.4
0.2
0.0
χ^2
0
1000
2000
3000
4000
Row number

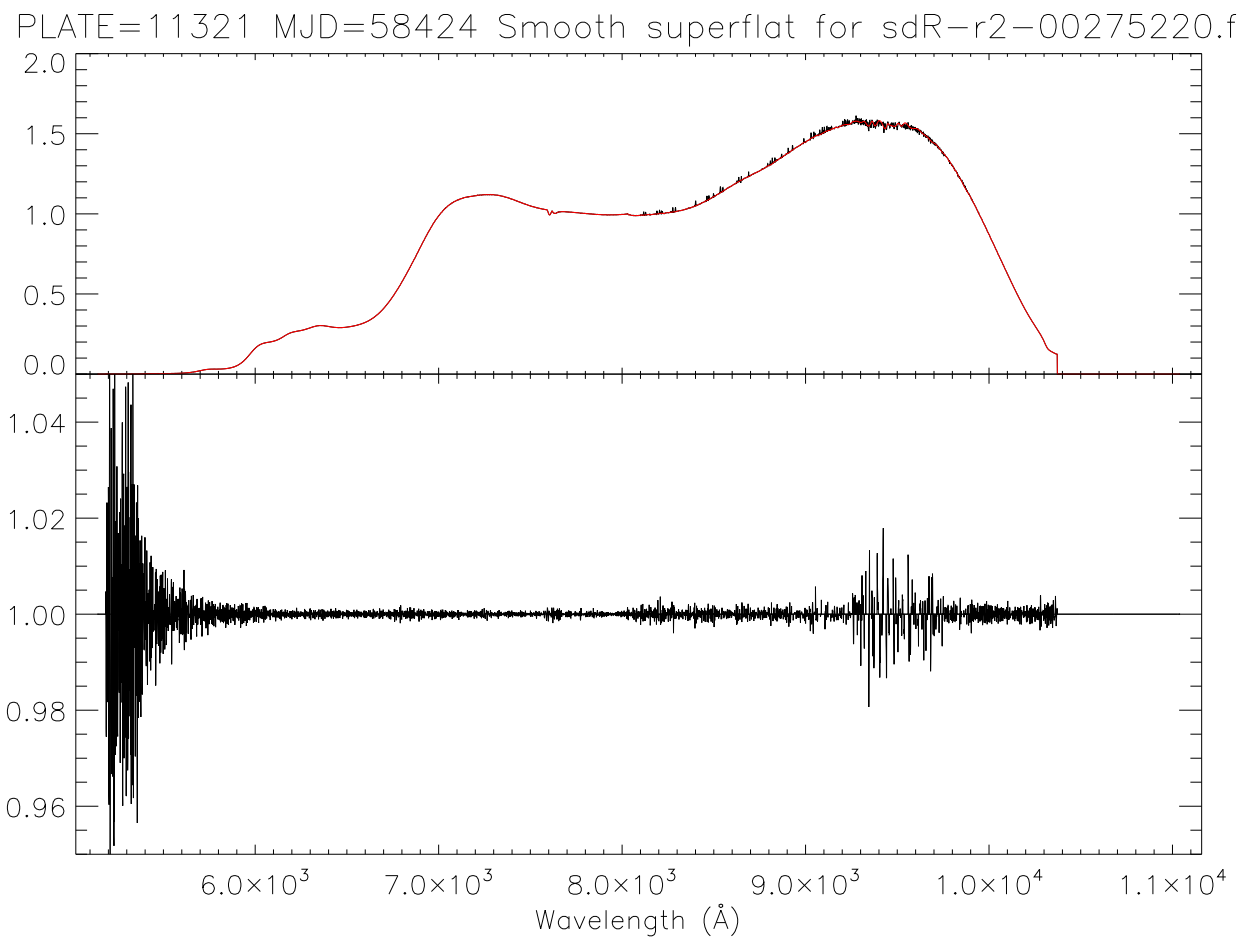

PLATE=11321 MJD=58424 Superflat sdR-r2-00275219.fit
RED = Superflat fit to central fiber
BLACK = 2.3 15.8 50.0 84.2 97.7 percentiles
Normalized flux
0.0
0.5
1.0
1.5
6000
7000
8000
9000
10000
λ [A]

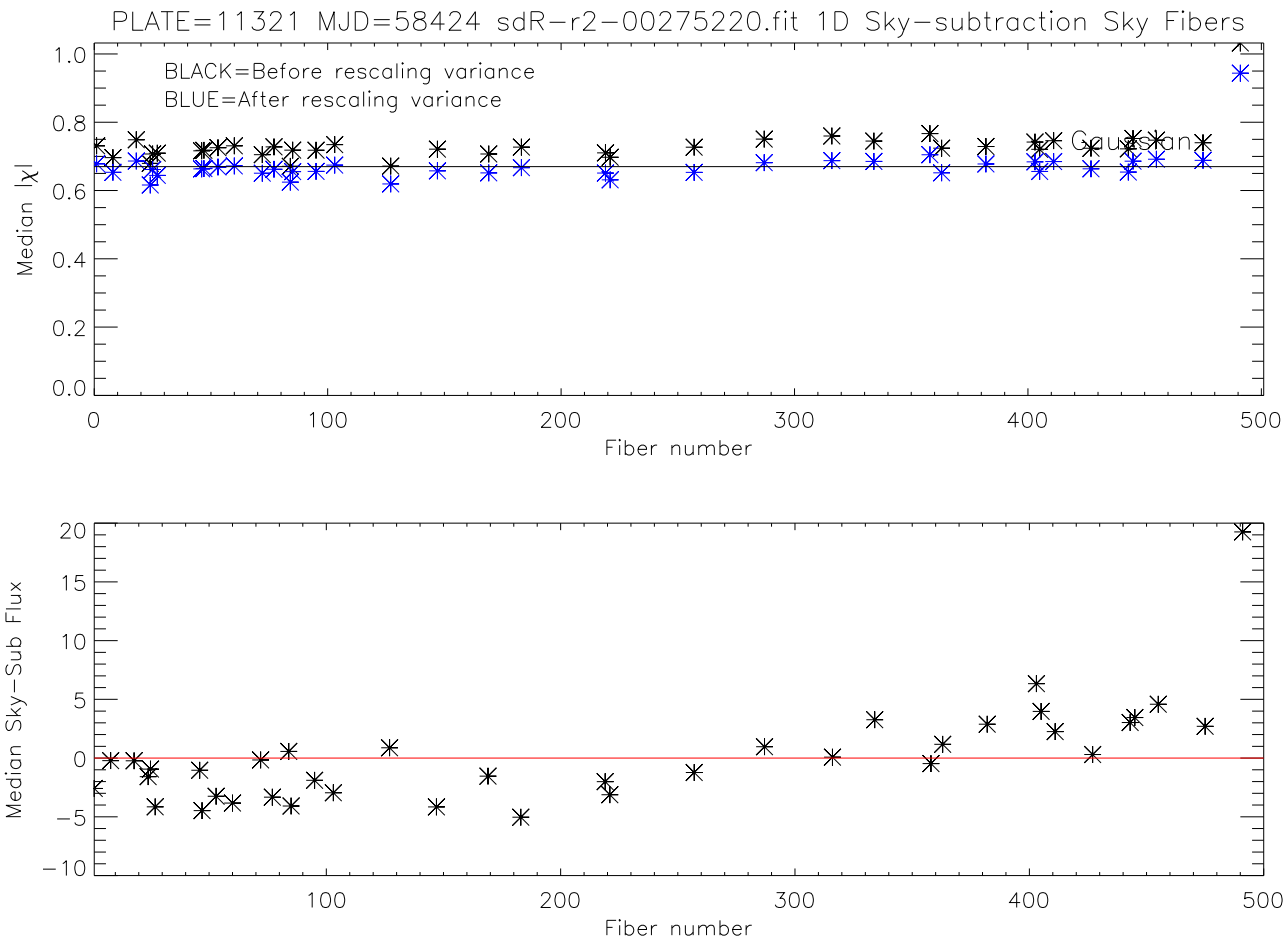

PLATE=11321 MJD=58424 Arcline Fit for sdR-r2-00275218.fit
Fiber Number
500
400
300
200
100
0
5.0×10^3
6.0×10^3
7.0×10^3
8.0×10^3
9.0×10^3
1.0×10^4
1.1×10^4
λ [A] + 300 * Deviation
Ncoeff = 6
Deviation [pix]
0.15
0.10
0.05
−0.00
−0.05
−0.10
−0.15
λ [A]
Mon May 11 19:46:37 2020

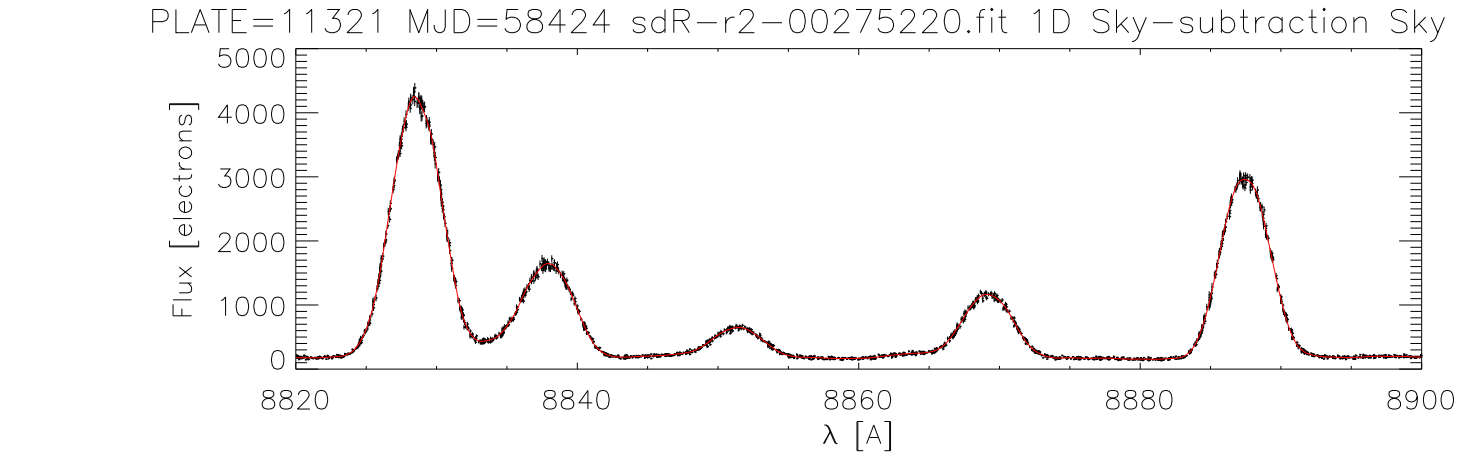

PLATE=11321 MJD=58424 Fiber-Flats for sdR-r2-00275219.fit
BLACK = Median value
ENVELOPE = 95% of points
GREEN = Outlier points
Min value = -1.633
Max value = 2.460
Fiber-Flat
1.5
1.0
0.5
0.0
6.0×10^3
7.0×10^3
8.0×10^3
9.0×10^3
1.0×10^4
1.1×10^4
λ [A]
Mon May 11 19:46:52 2020

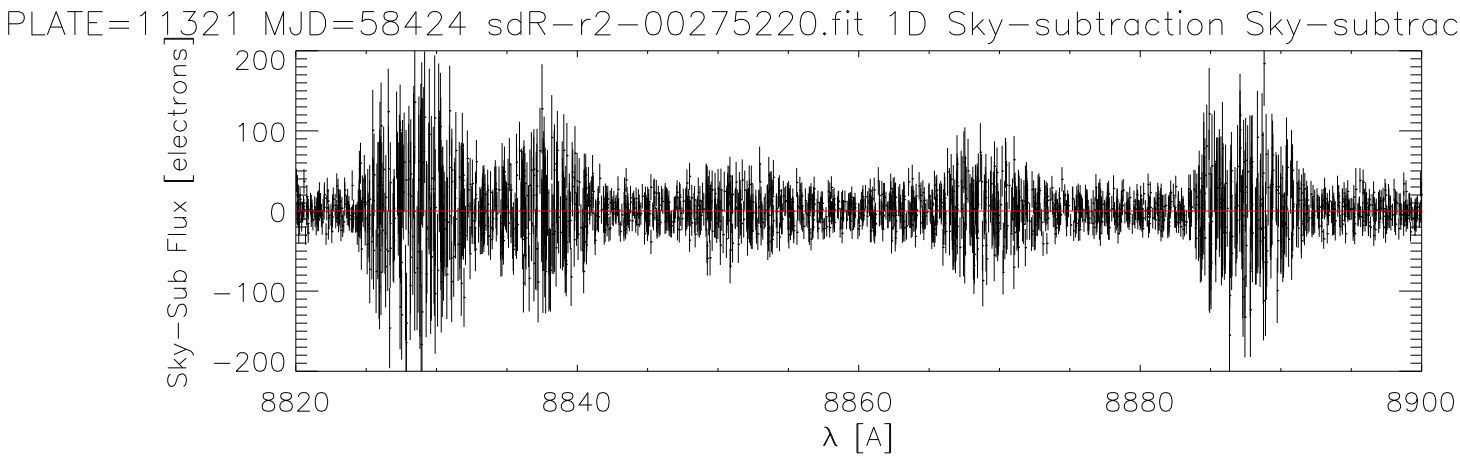

PLATE=11321 MJD=58424 Extraction chi^2 for sdR−r2−00275220.fit
BLACK = Final chisq extraction
1.0
0.8
0.6
0.4
0.2
0.0
χ^2
0
1000
2000
3000
4000
Row number


PLATE=11321 MJD=58424 Sky Line Deviations for sdR-r2-00275220.fit
500
400
300
200
100
0
Fiber Number
1.00 pix
Before shift
After shift
5460557763006363655369236949757177947821839984308885891993759439987 2 ****
Sky Line Wavelength

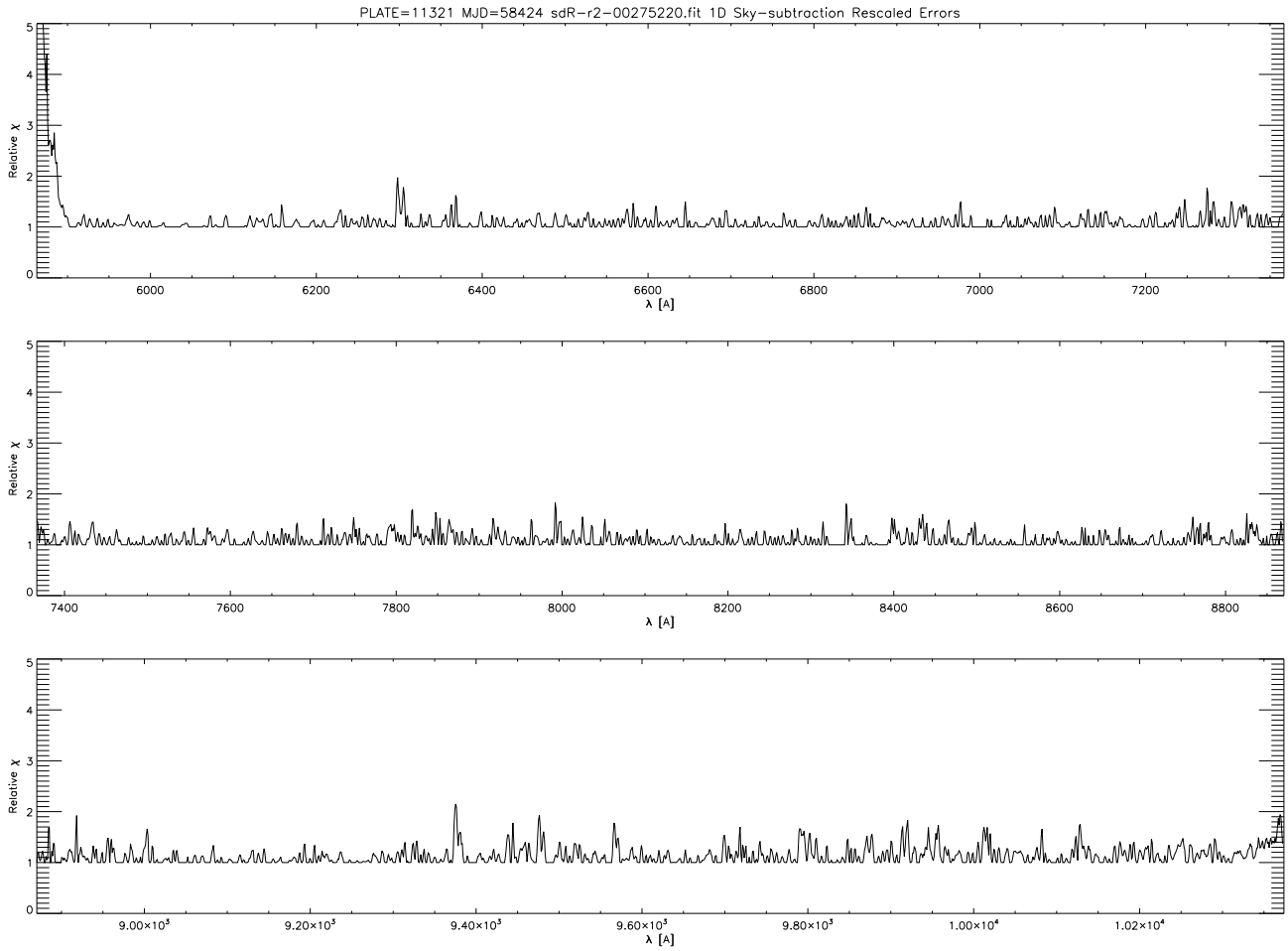

PLATE=11321 MJD=58424 Smooth superflat for sdR-r2-00275220.fit
2.0
1.5
1.0
0.5
0.0
1.04
1.02
1.00
0.98
0.96
6.0×10^3
7.0×10^3
8.0×10^3
9.0×10^3
1.0×10^4
1.1×10^4
Wavelength (Å)

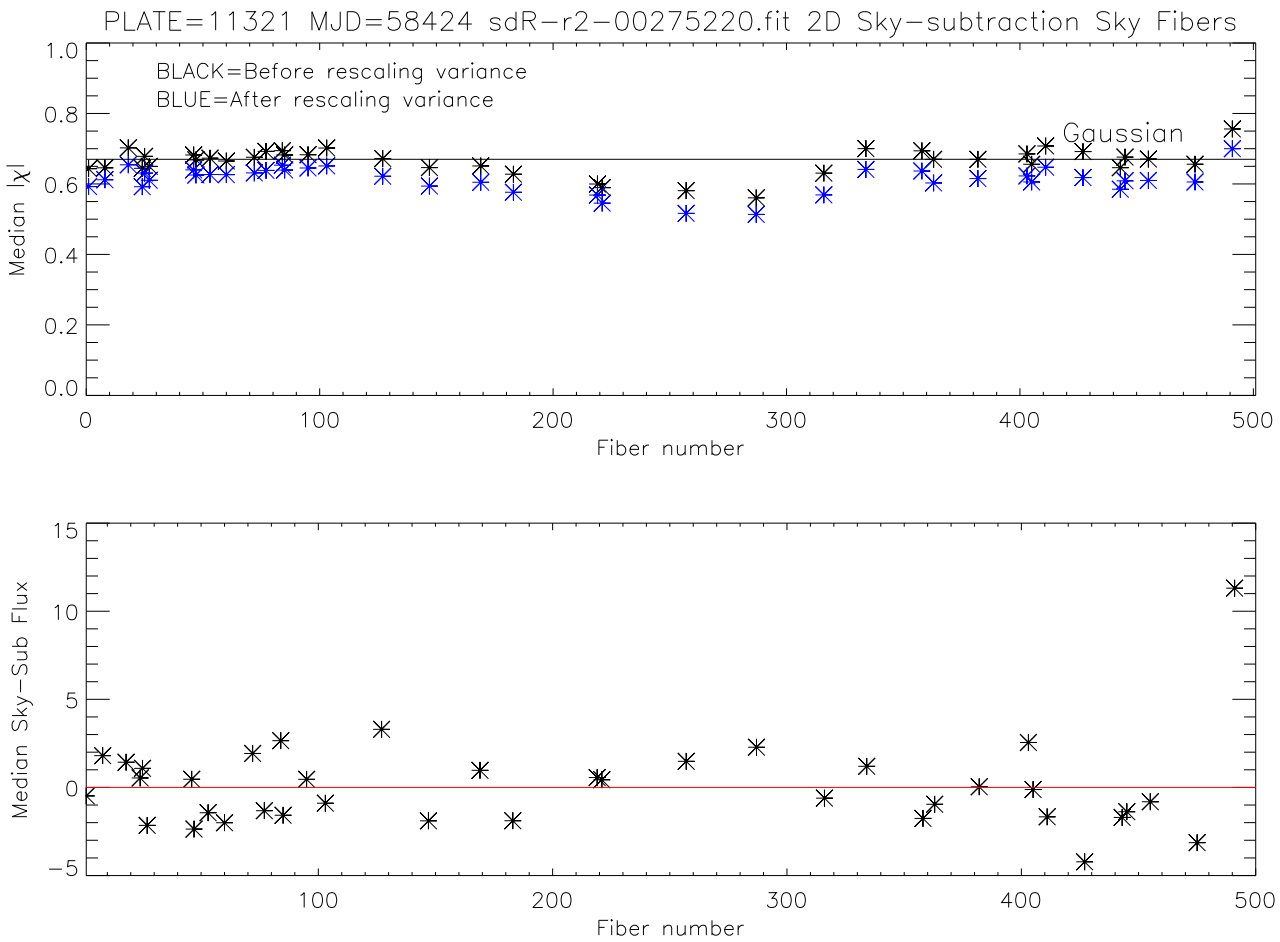

PLATE=11321 MJD=58424 sdR-r2-00275220.fit 1D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

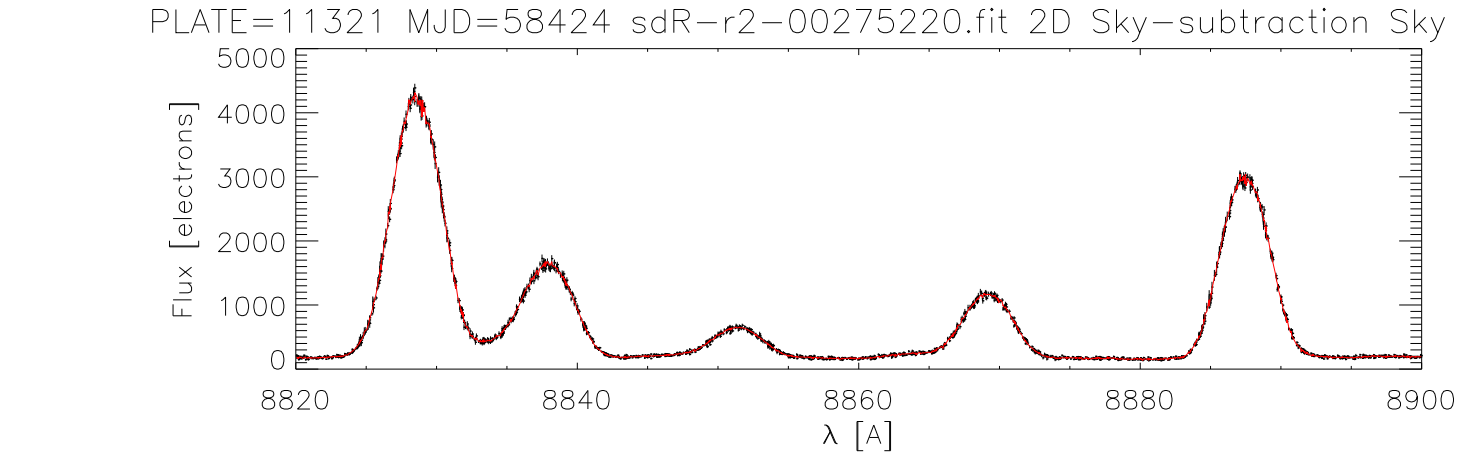

PLATE=11321 MJD=58424 sdR-r2-00275220.fit 1D Sky-subtraction Sky Fibers
Flux [electrons]
5000
4000
3000
2000
1000
0
8820
8840
8860
8880
8900
λ [A]

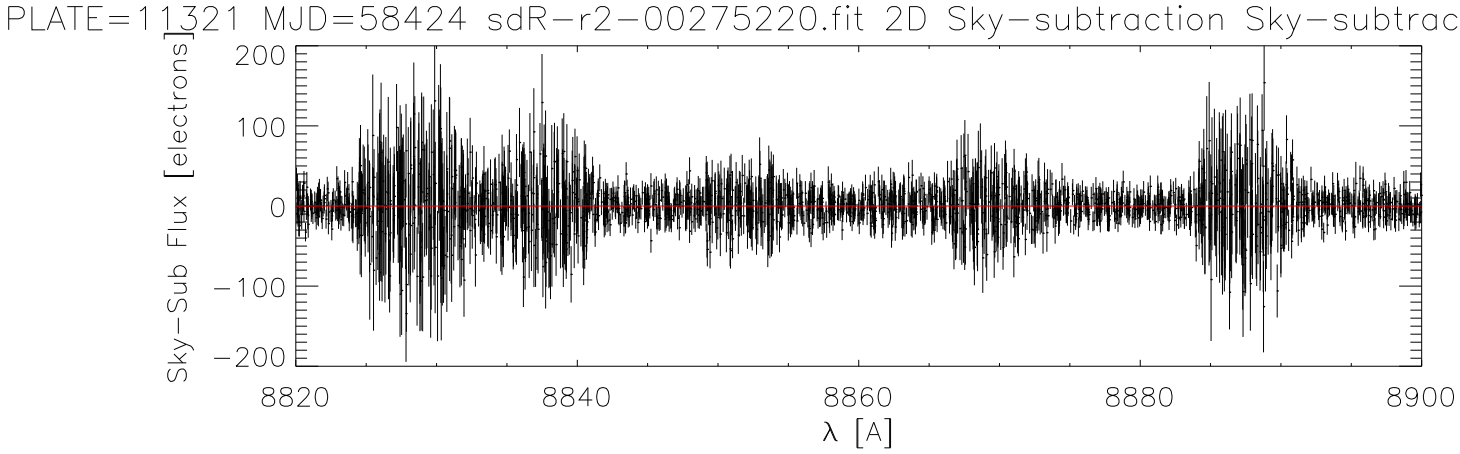

PLATE=11321 MJD=58424 sdR-r2-00275220.fit 1D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
200
100
0
-100
-200
8820
8840
8860
8880
8900
λ [A]

Number of sky fibers = 38

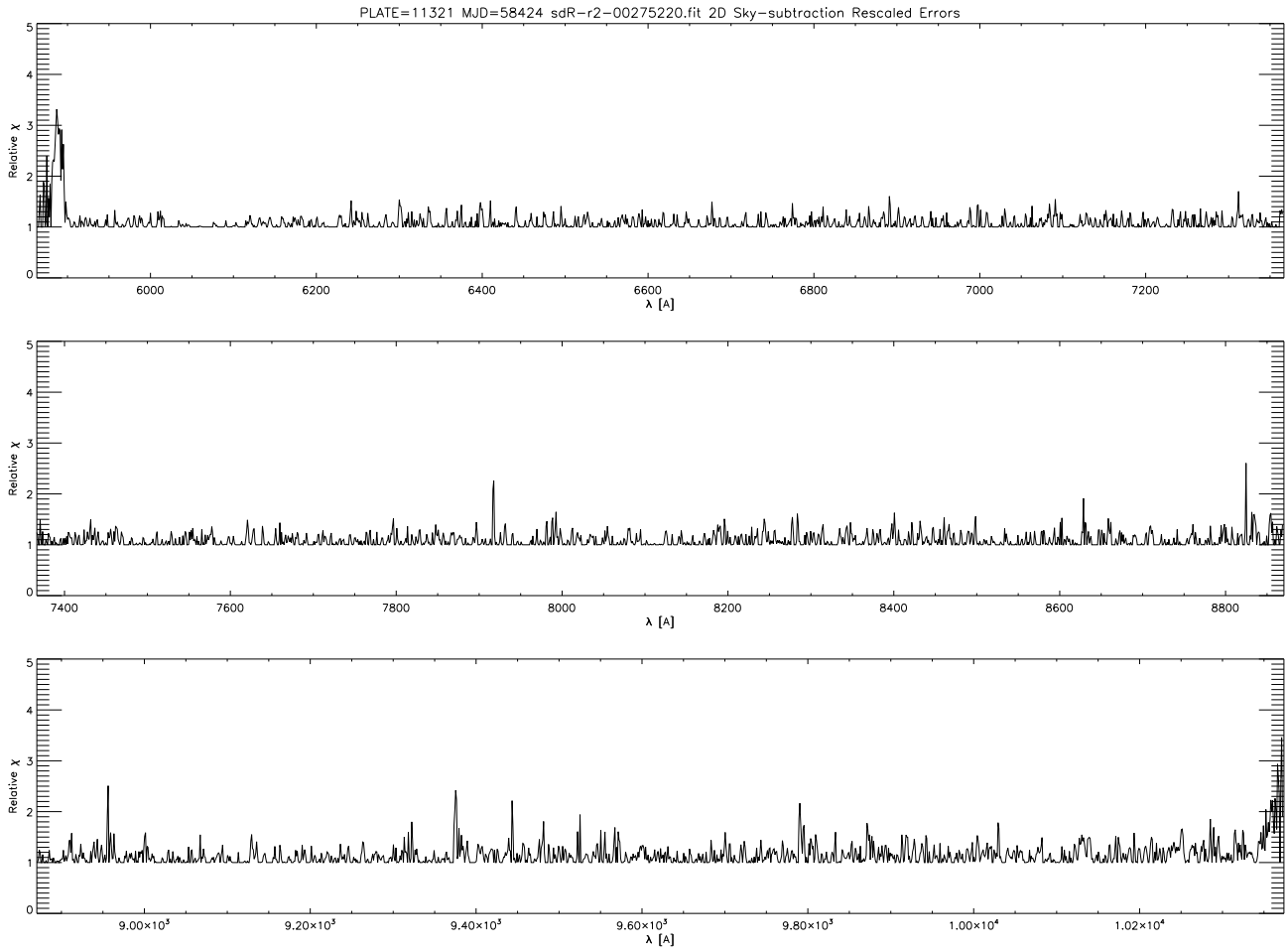


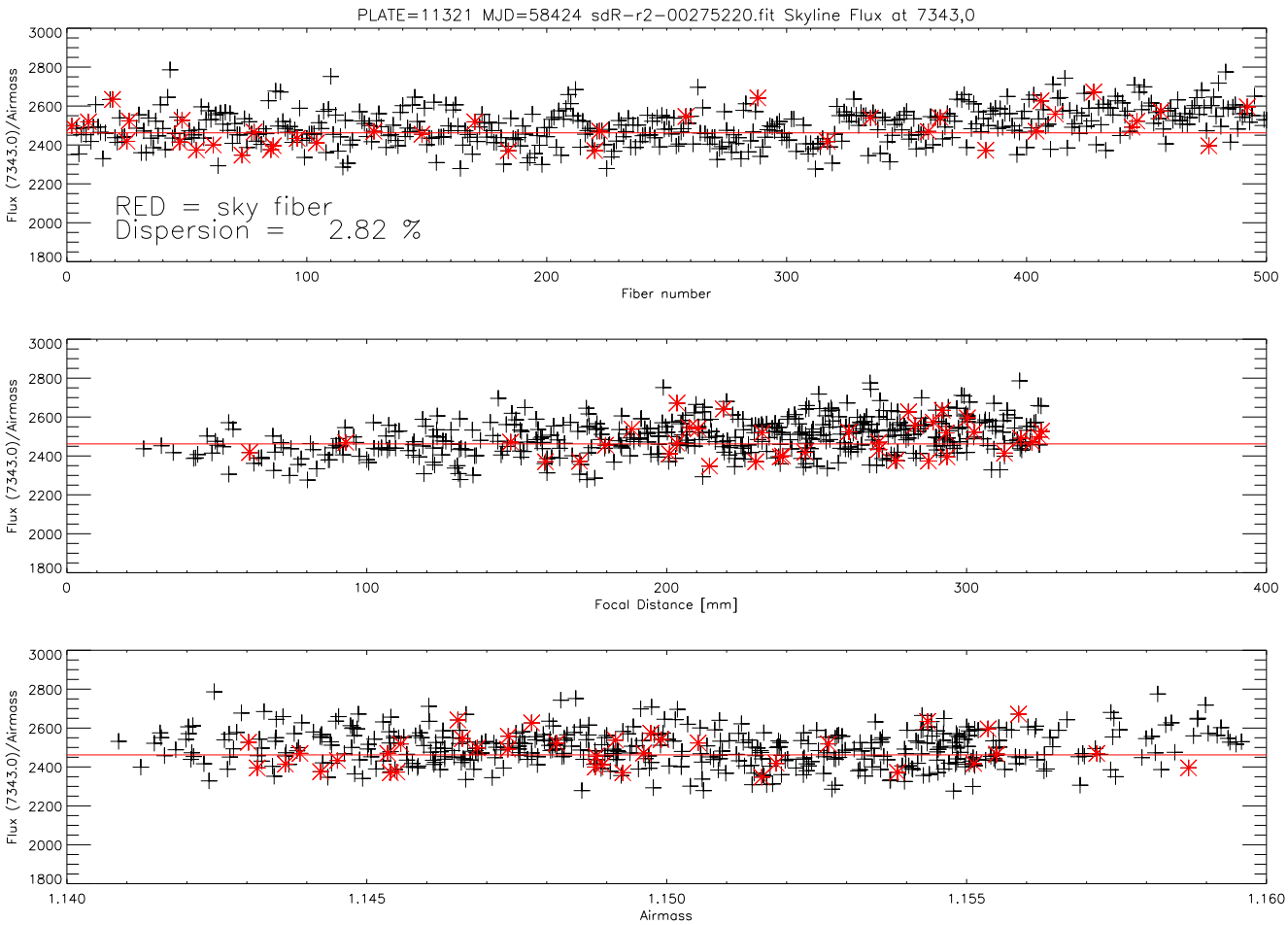

PLATE=11321 MJD=58424 sdR-r2-00275220.fit 2D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

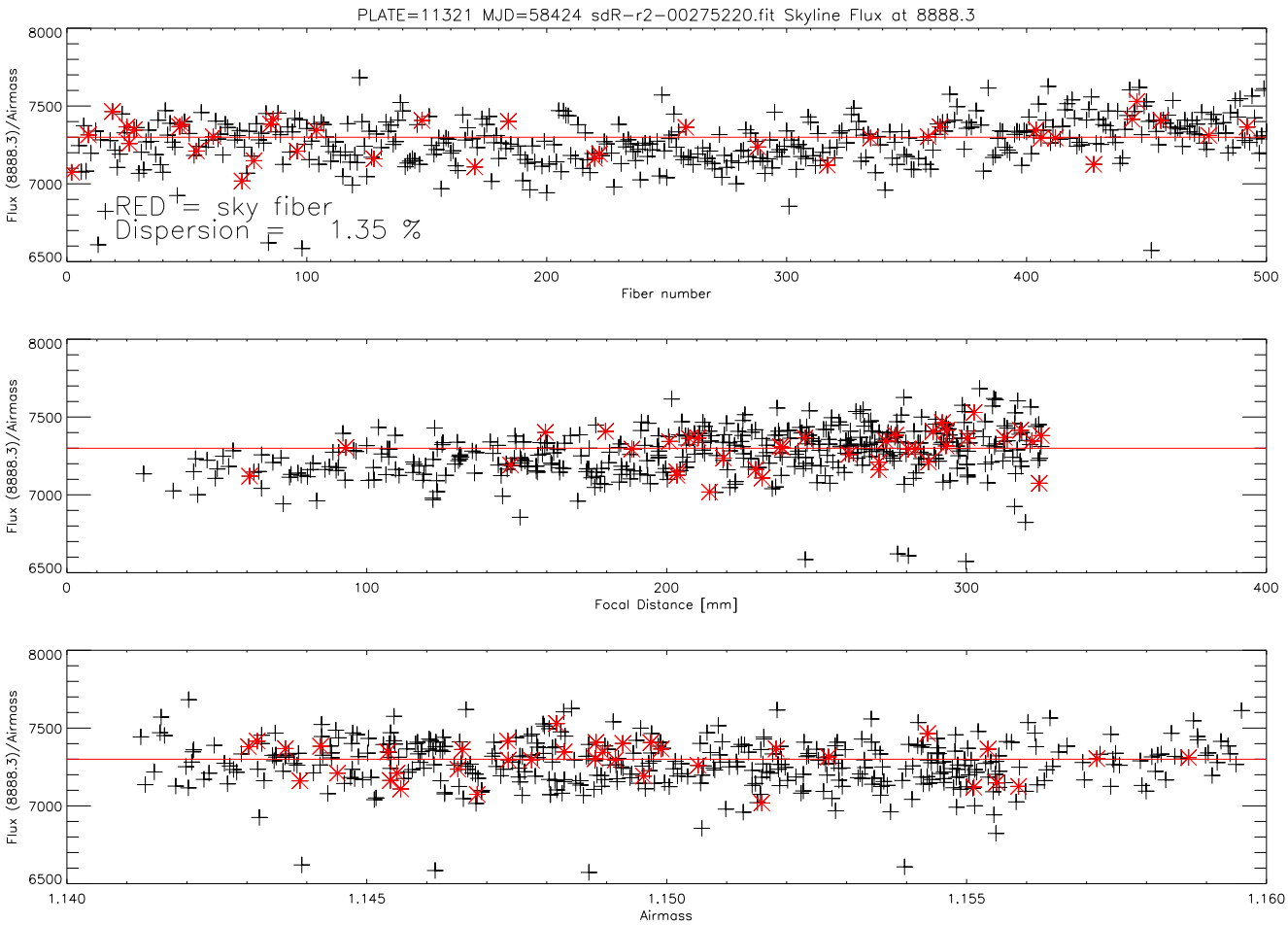

PLATE=11321 MJD=58424 sdR-r2-00275220.fit 2D Sky-subtraction Sky Fibers
Flux [electrons]
5000
4000
3000
2000
1000
0
8820
8840
8860
8880
8900
λ [A]

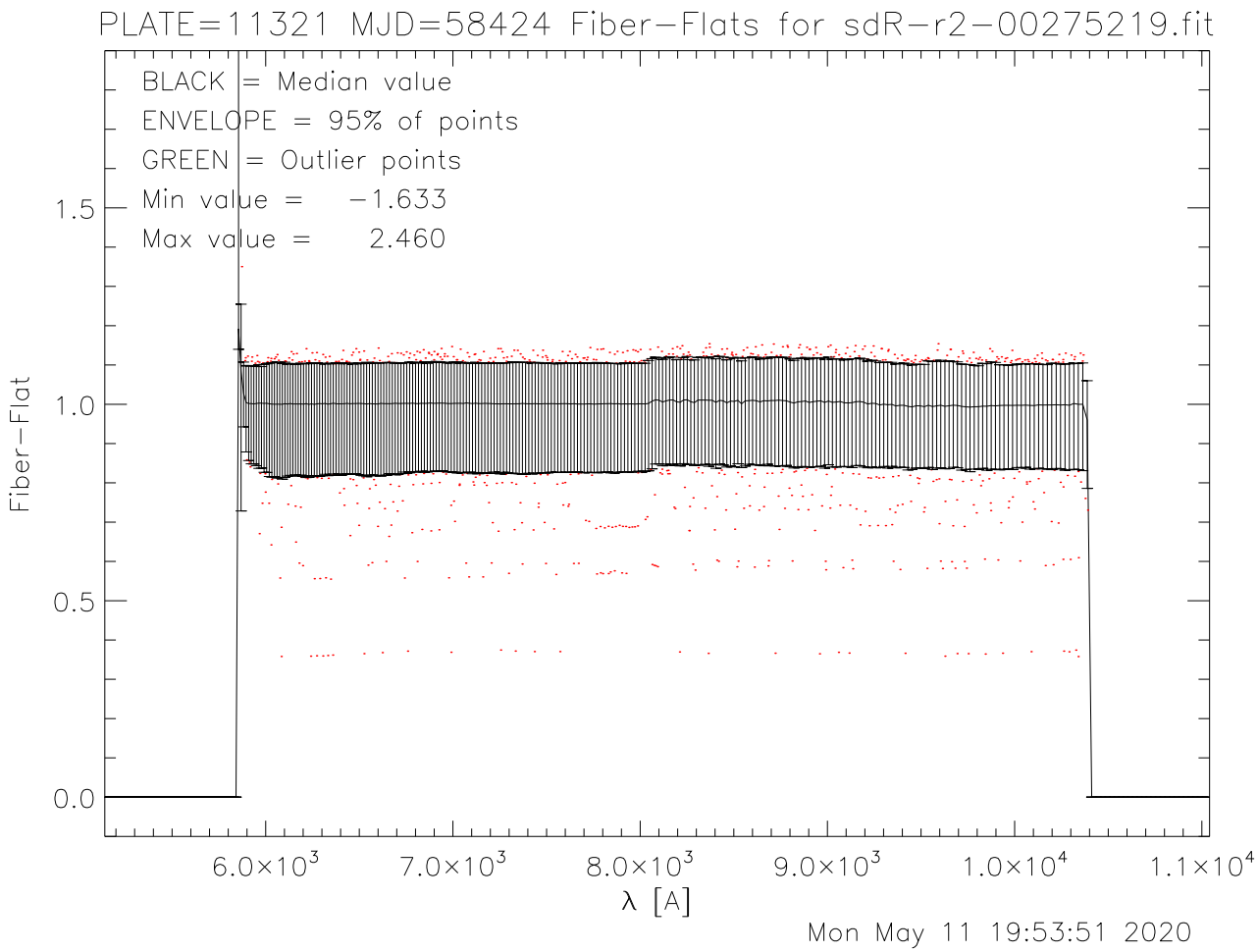

PLATE=11321 MJD=58424 sdR-r2-00275220.fit 2D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
200
100
0
-100
-200
8820
8840
8860
8880
8900
λ [A]

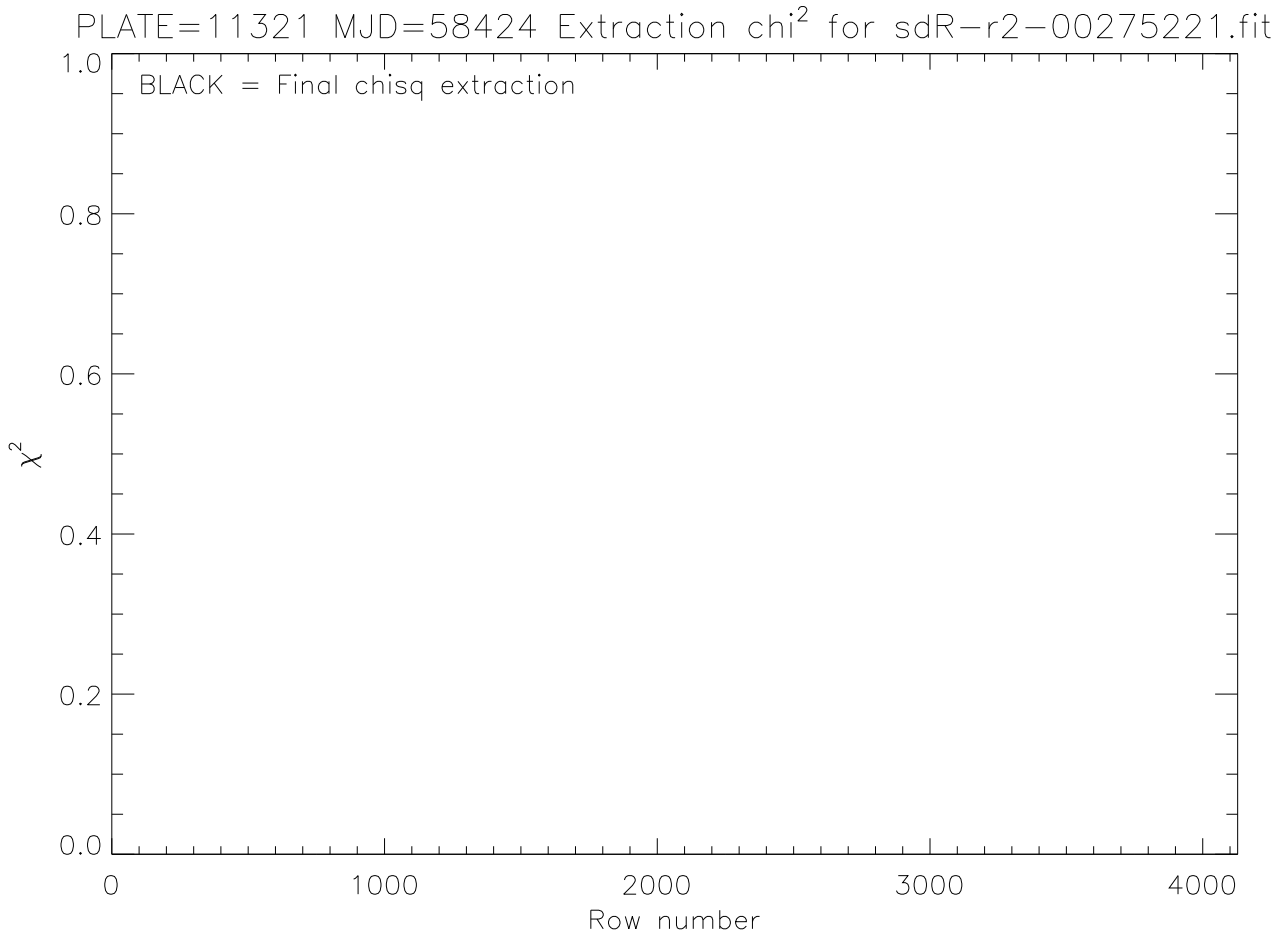
Number of sky fibers = 38

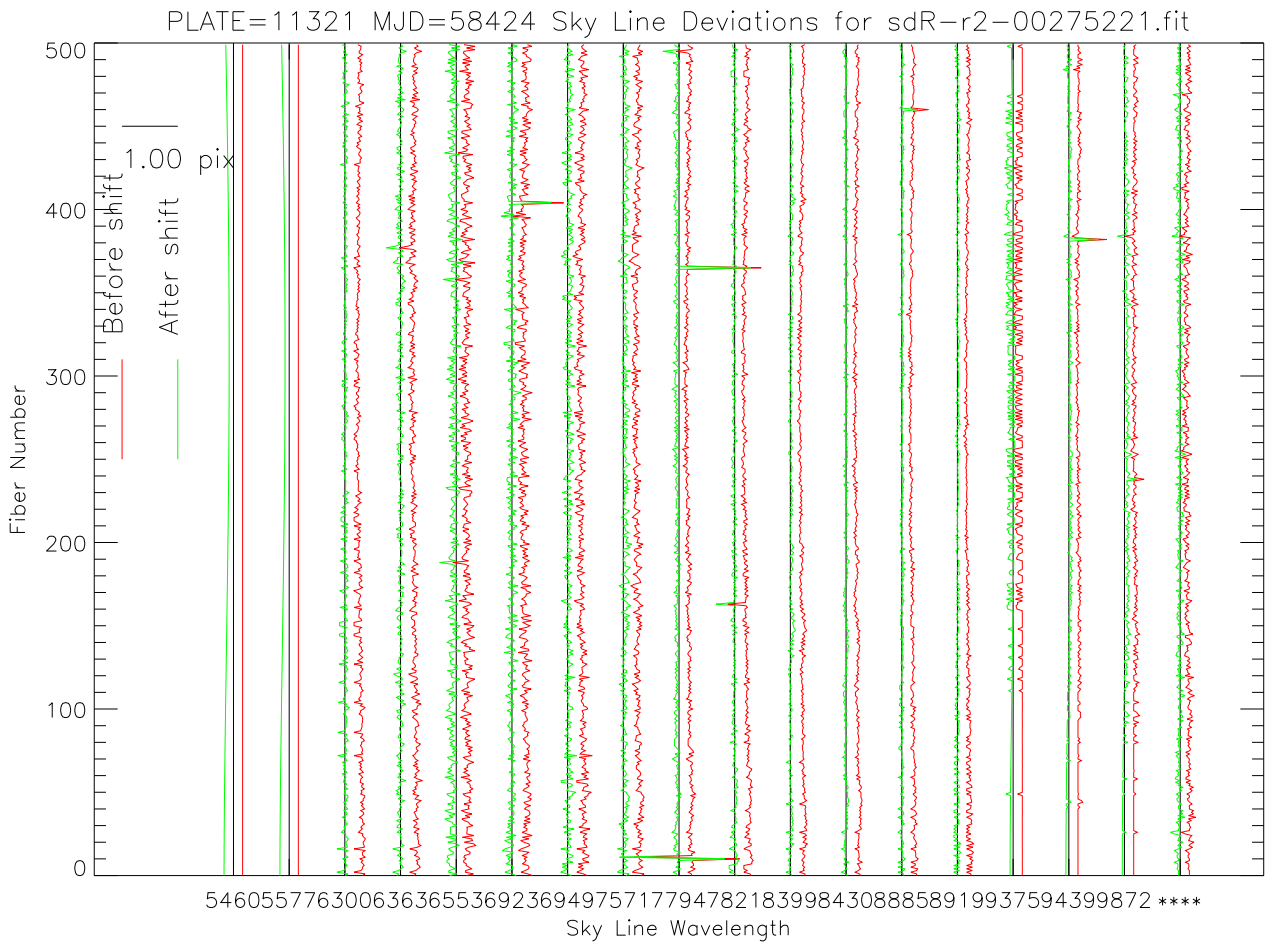


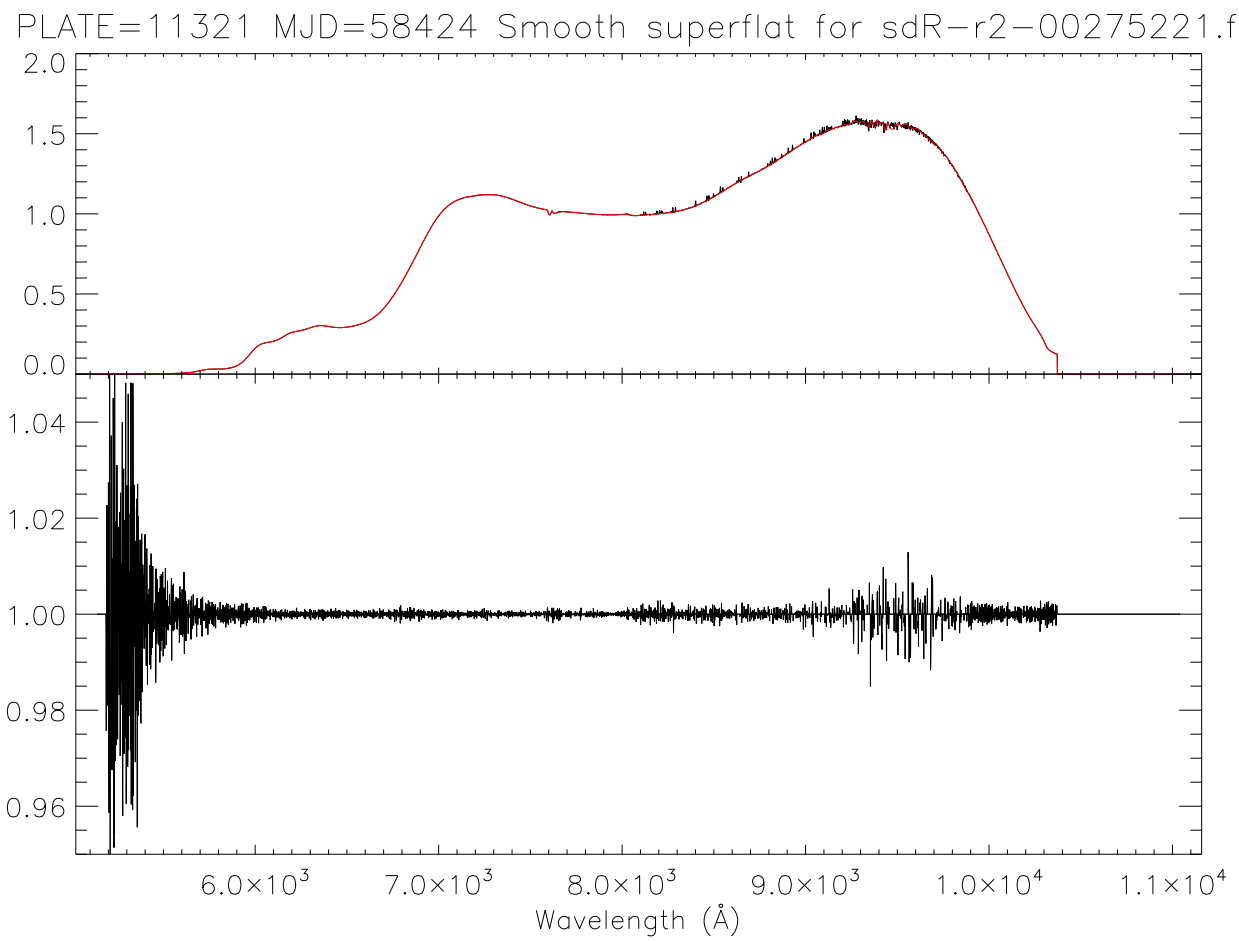

PLATE=11321 MJD=58424 sdR-r2-00275220.fit Skyline Flux at 7343,0
Flux (7343.0)/Airmass
RED = sky fiber
Dispersion = 2.82 %
Fiber number
Flux (7343.0)/Airmass
Focal Distance [mm]
Flux (7343.0)/Airmass
Airmass

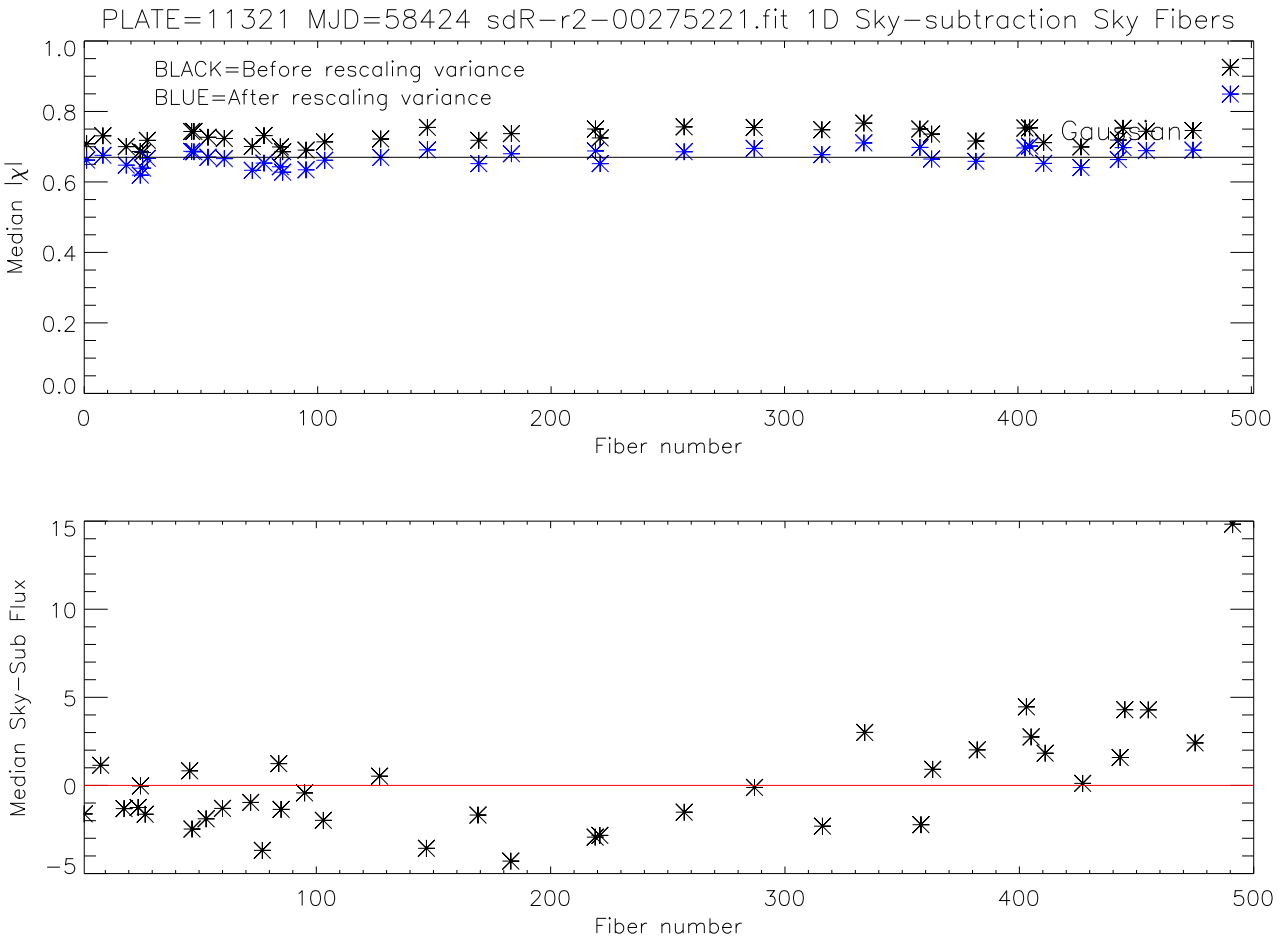

PLATE=11321 MJD=58424 sdR-r2-00275220.fit Skyline Flux at 8888.3
Flux (8888.3)/Airmass
Fiber number
RED = sky fiber
Dispersion = 1.35 %
Flux (8888.3)/Airmass
Focal Distance [mm]
Flux (8888.3)/Airmass
Airmass

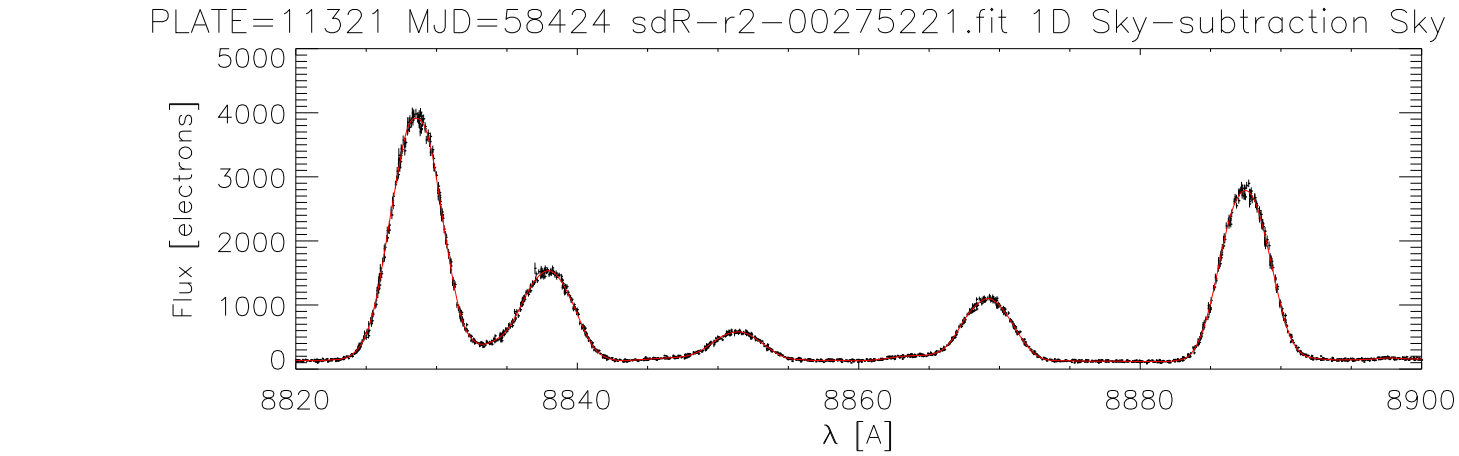

PLATE=11321 MJD=58424 Fiber-Flats for sdR-r2-00275219.fit
BLACK = Median value
ENVELOPE = 95% of points
GREEN = Outlier points
Min value = -1.633
Max value = 2.460
Fiber-Flat
1.5
1.0
0.5
0.0
6.0×10^3
7.0×10^3
8.0×10^3
9.0×10^3
1.0×10^4
1.1×10^4
λ [A]
Mon May 11 19:53:51 2020

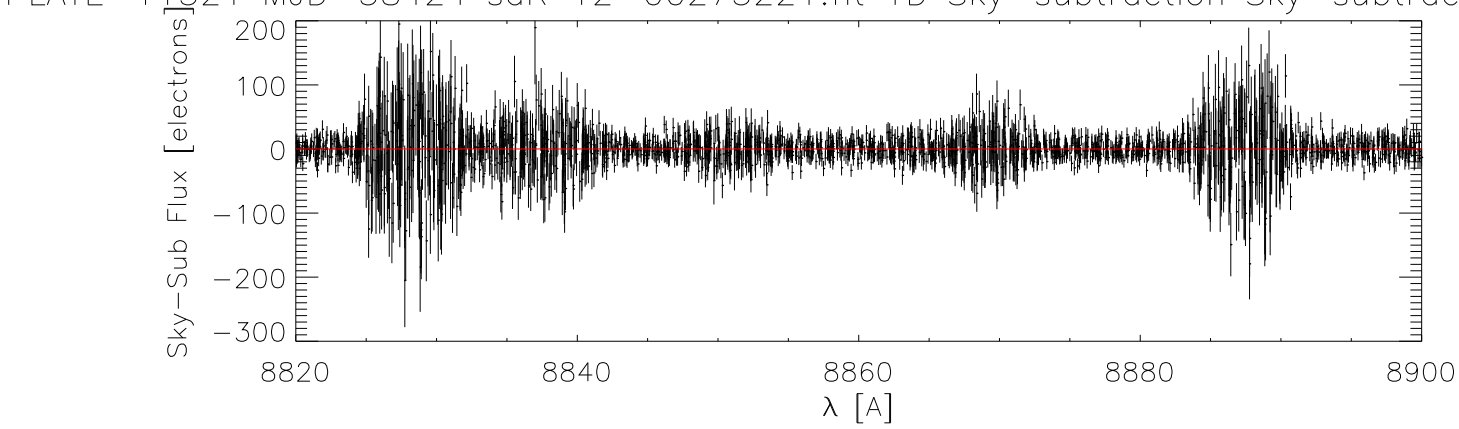

PLATE=11321 MJD=58424 Extraction chi^2 for sdR−r2−00275221.fit
BLACK = Final chisq extraction
χ^2
1.0
0.8
0.6
0.4
0.2
0.0
0
1000
2000
3000
4000
Row number


PLATE=11321 MJD=58424 Sky Line Deviations for sdR-r2-00275221.fit
500
400
300
200
100
0
Fiber Number
1.00 pix
Before shift
After shift
5460557763006363655369236949757177947821839984308885891993759439987 2 ****
Sky Line Wavelength

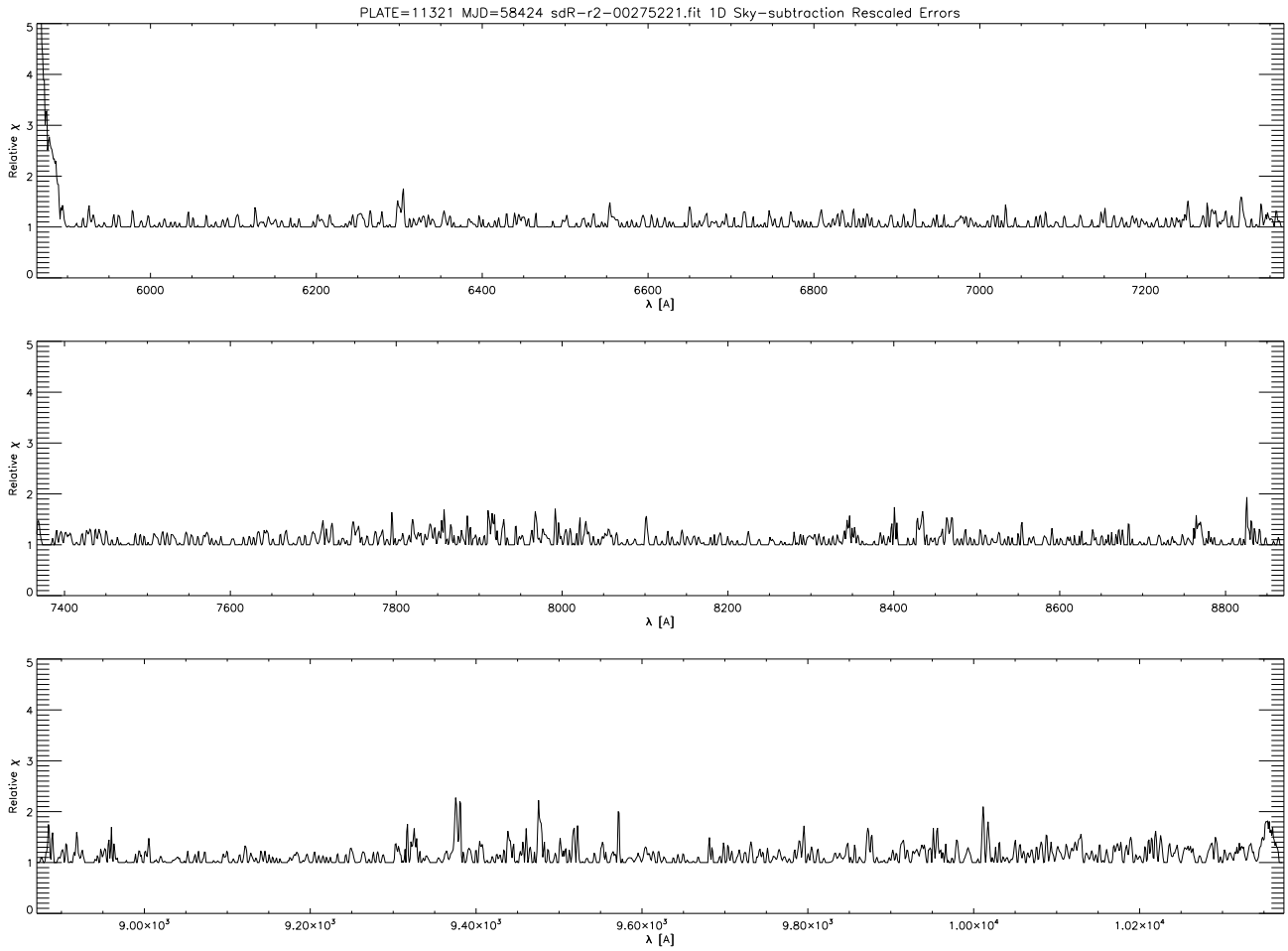

PLATE=11321 MJD=58424 Smooth superflat for sdR-r2-00275221.fit
2.0
1.5
1.0
0.5
0.0
1.04
1.02
1.00
0.98
0.96
6.0×10^3
7.0×10^3
8.0×10^3
9.0×10^3
1.0×10^4
1.1×10^4
Wavelength (Å)

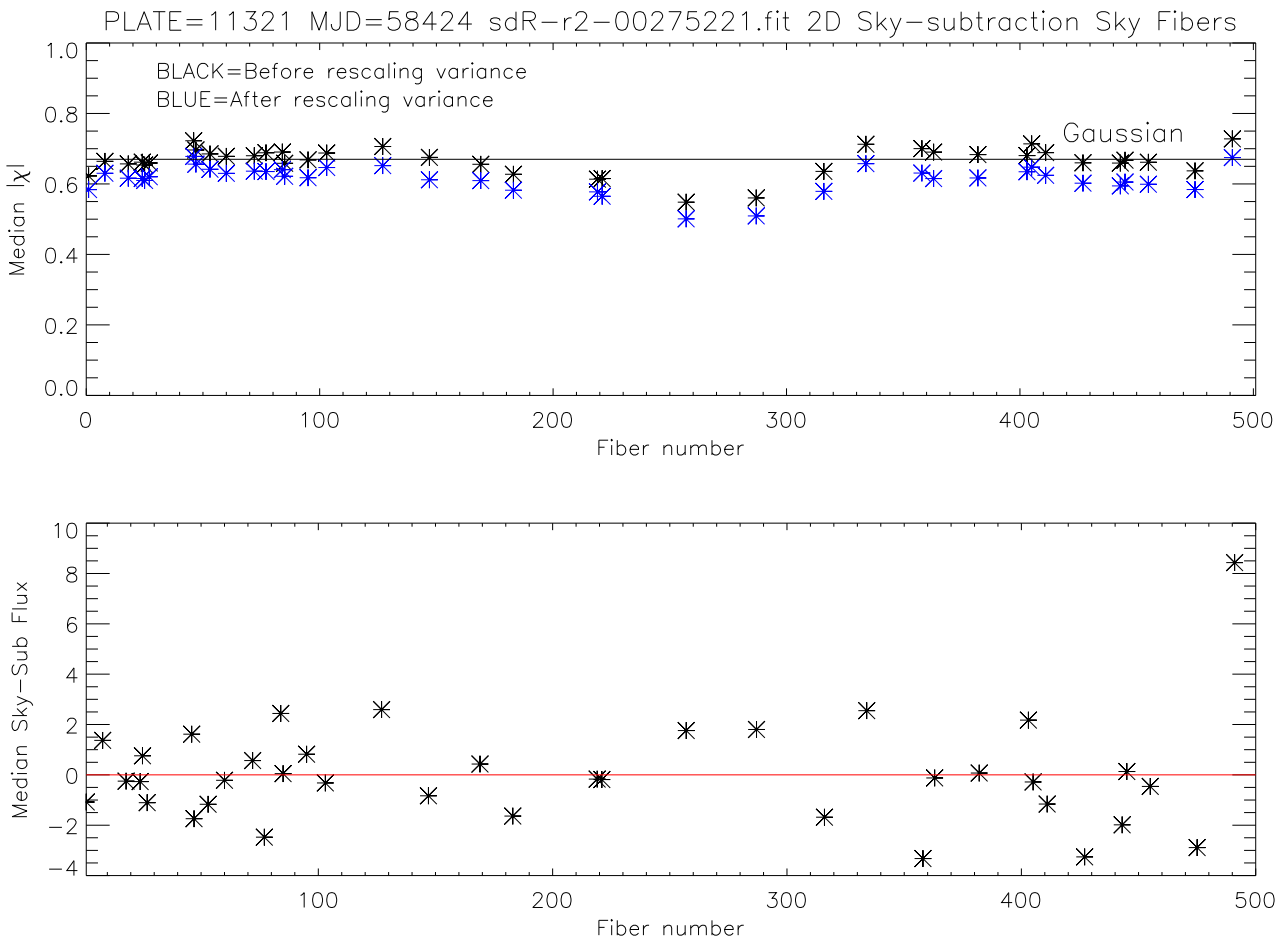

PLATE=11321 MJD=58424 sdR-r2-00275221.fit 1D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

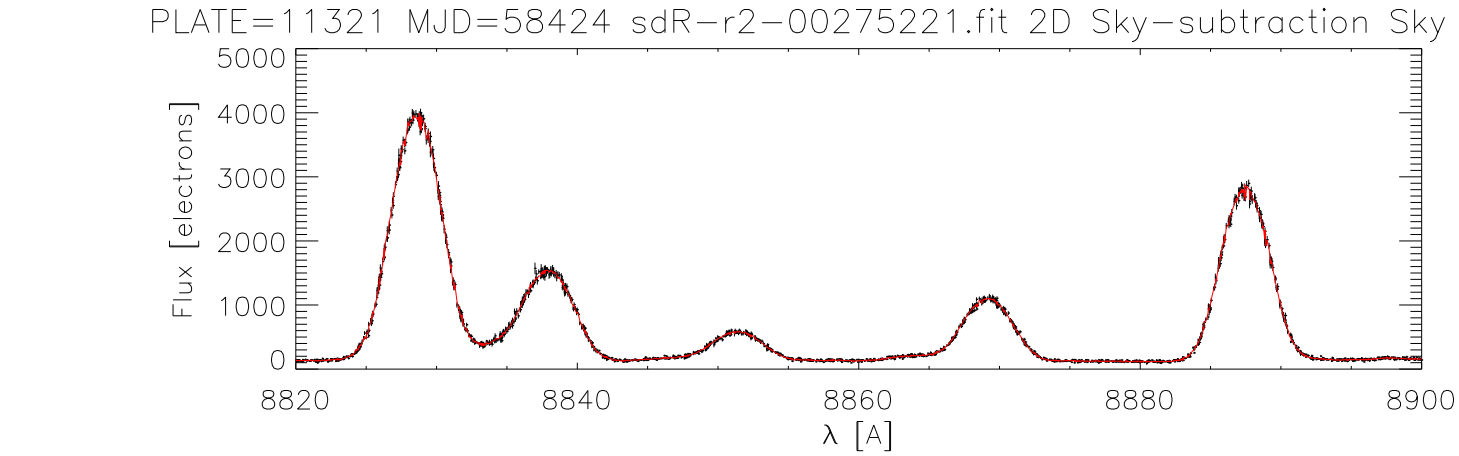

PLATE=11321 MJD=58424 sdR-r2-00275221.fit 1D Sky-subtraction Sky Fibers
Flux [electrons]
5000
4000
3000
2000
1000
0
8820
8840
8860
8880
8900
λ [A]

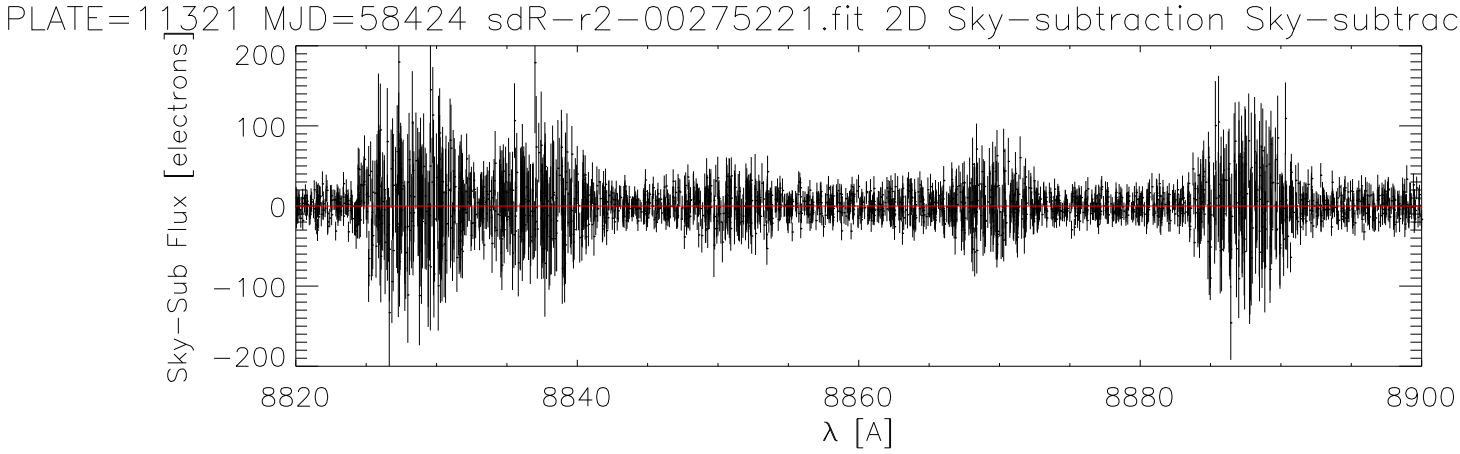

PLATE=11321 MJD=58424 sdR-r2-00275221.fit 1D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
200
100
0
-100
-200
-300
8820
8840
8860
8880
8900
λ [A]

Number of sky fibers = 38

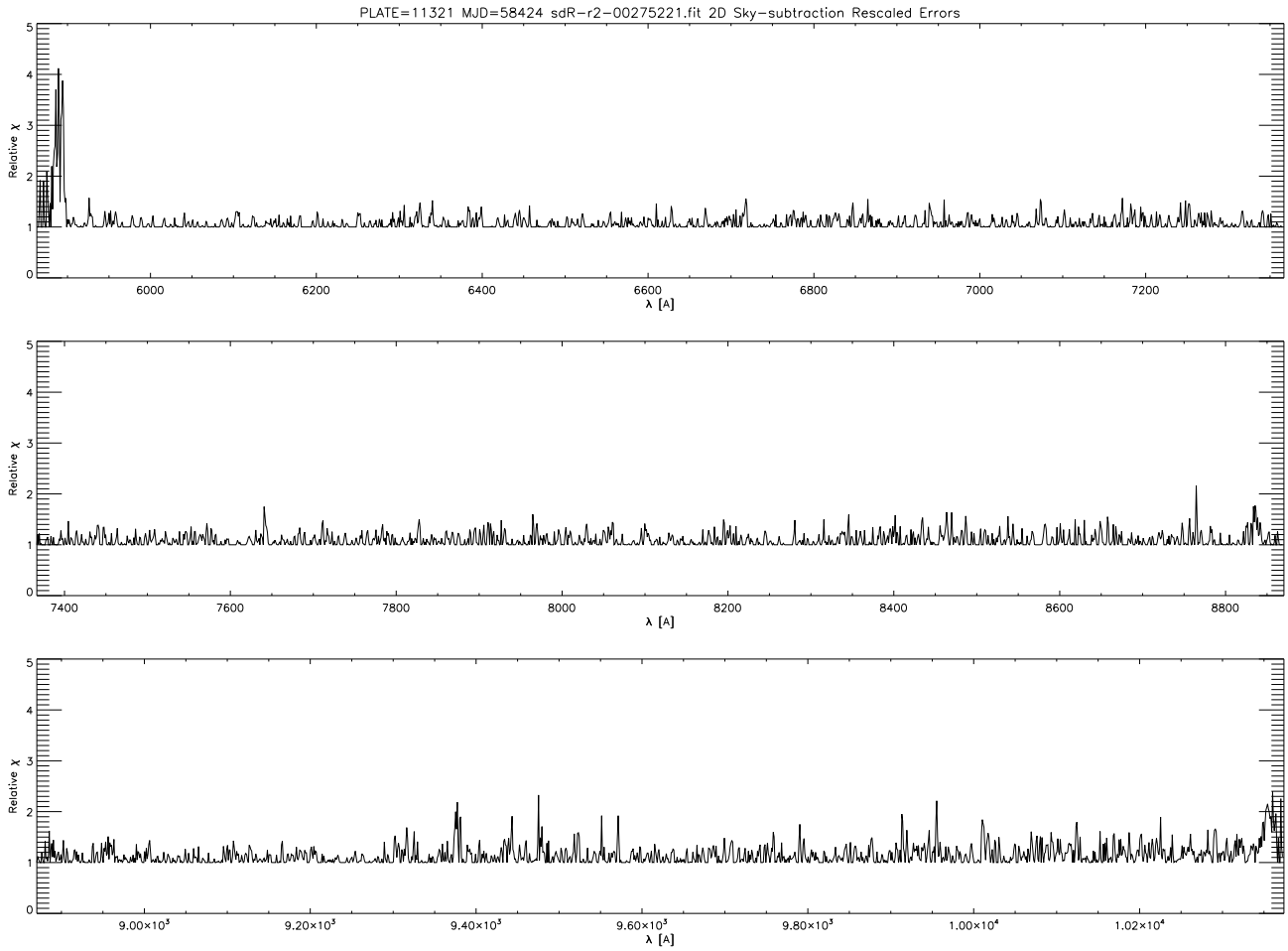


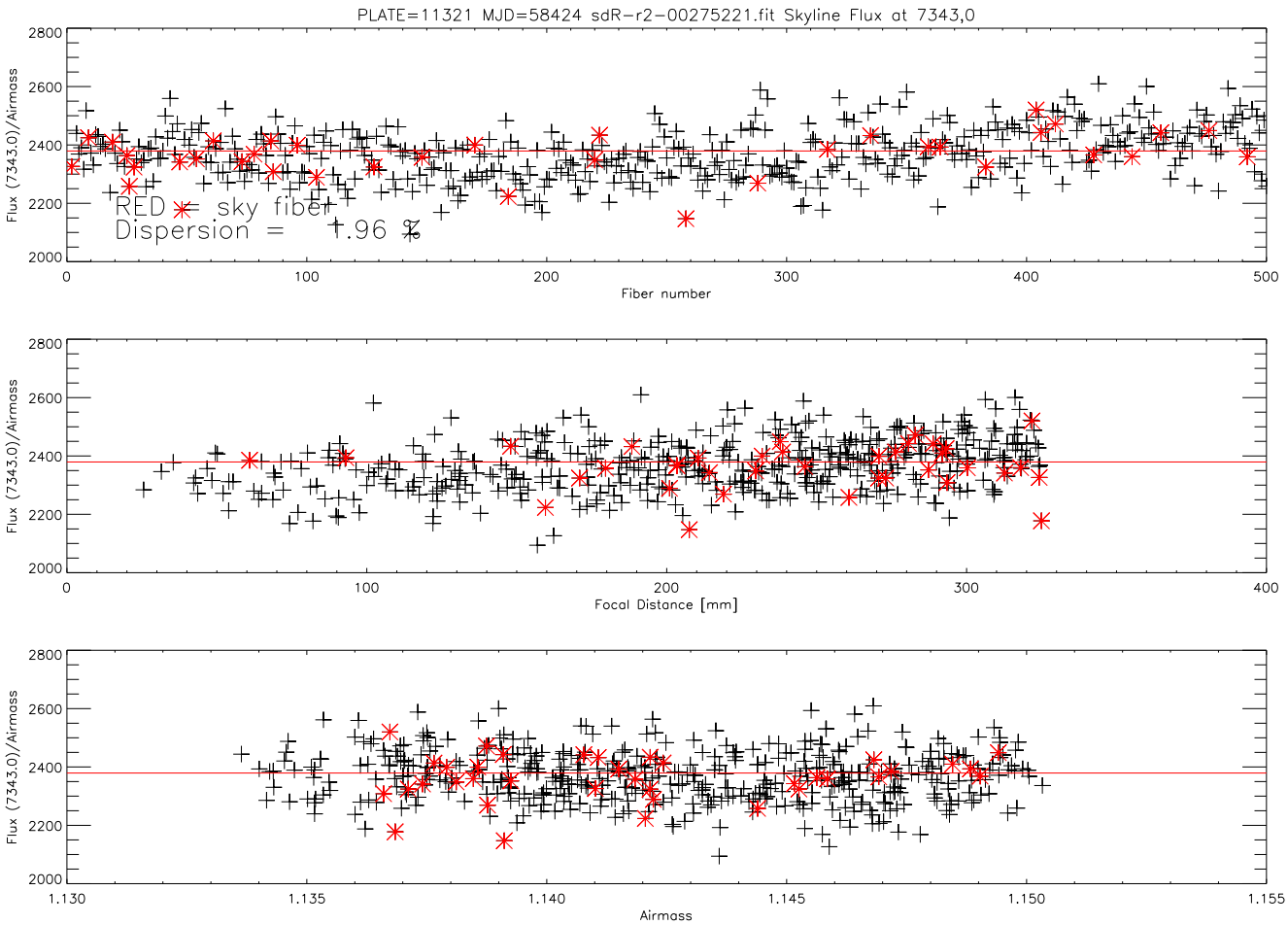

PLATE=11321 MJD=58424 sdR-r2-00275221.fit 2D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

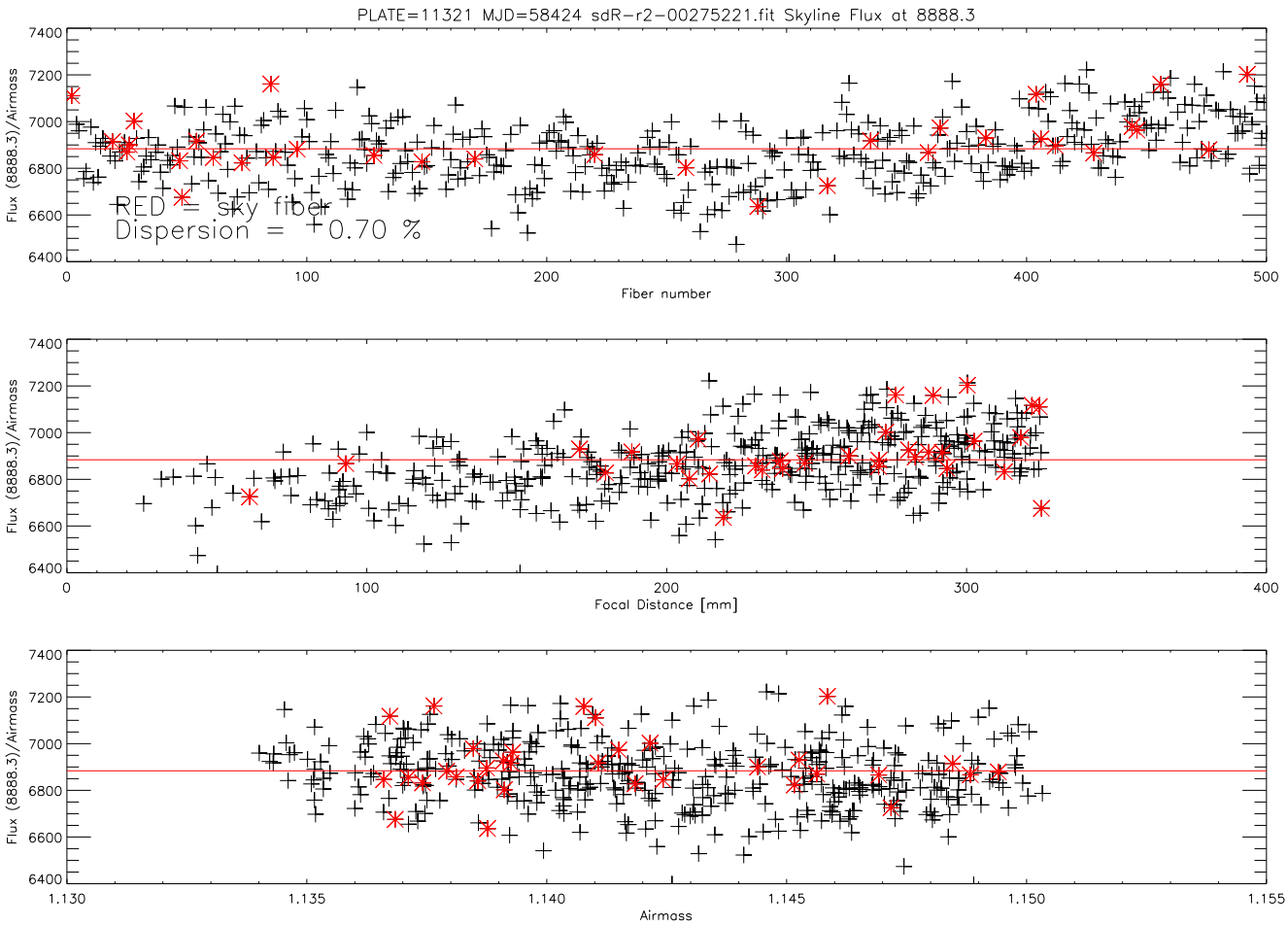

PLATE=11321 MJD=58424 sdR-r2-00275221.fit 2D Sky-subtraction Sky Fibers
Flux [electrons]
5000
4000
3000
2000
1000
0
8820
8840
8860
8880
8900
λ [A]

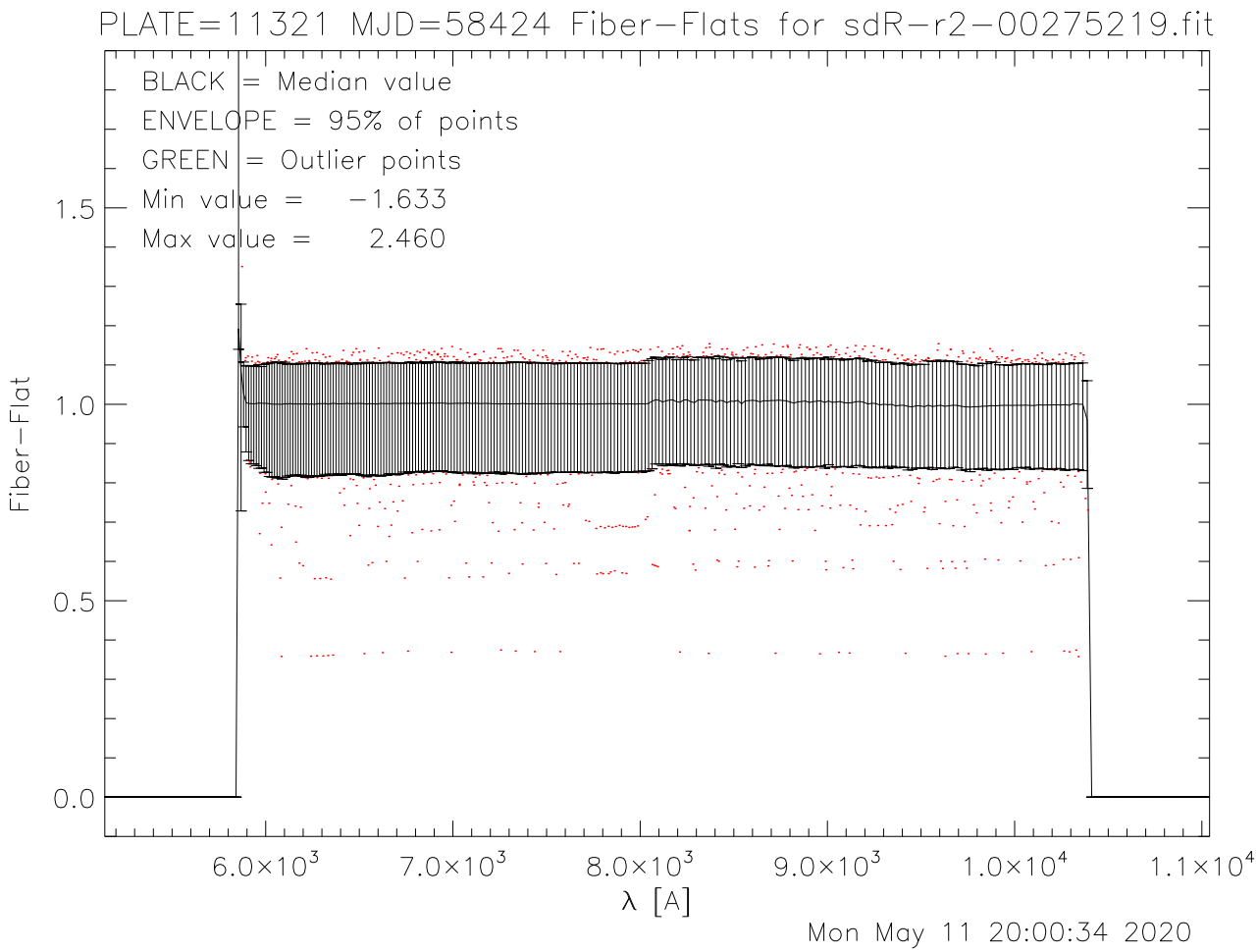

PLATE=11321 MJD=58424 sdR-r2-00275221.fit 2D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
200
100
0
-100
-200
8820
8840
8860
8880
8900
λ [A]

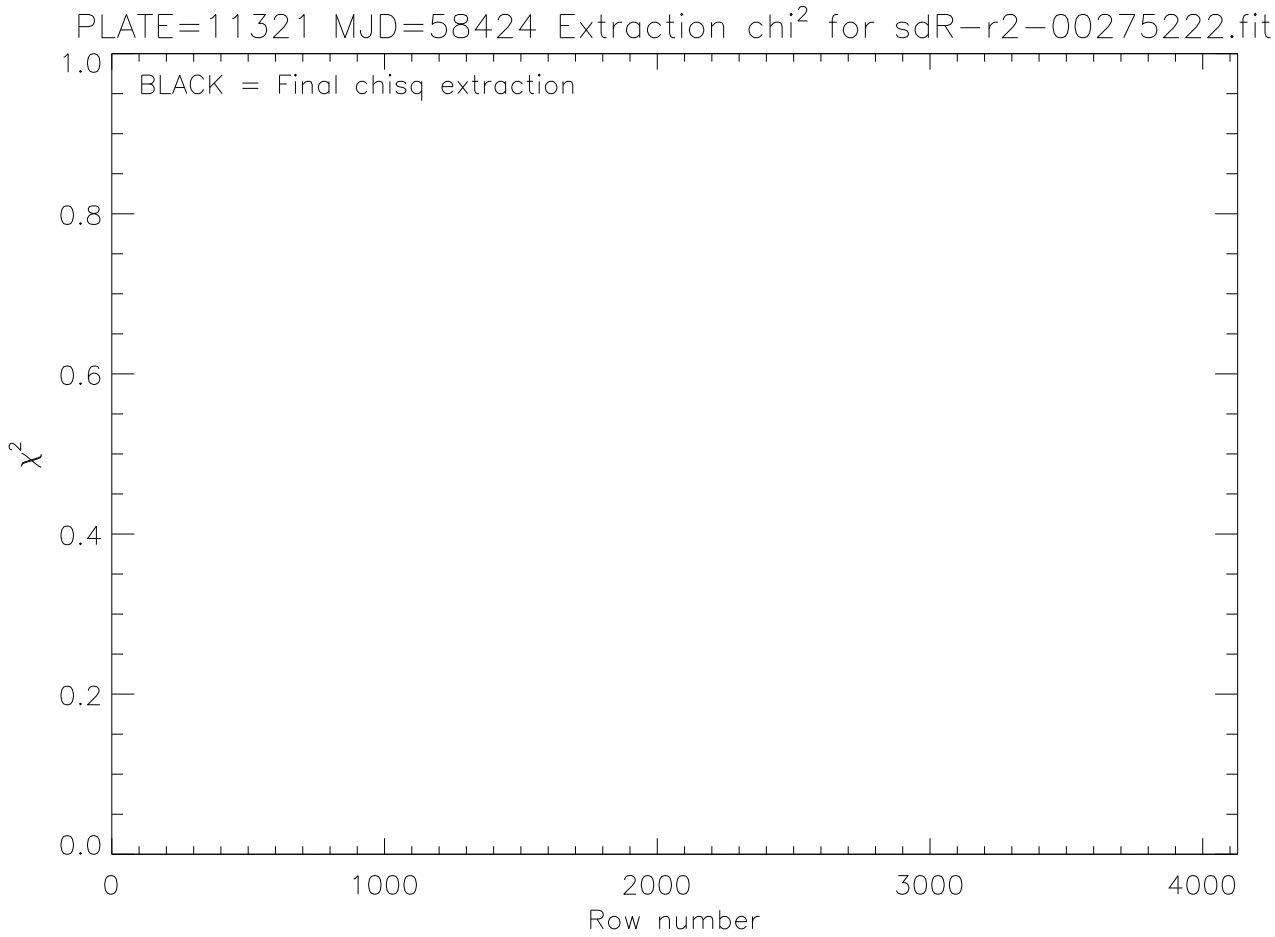
Number of sky fibers = 38

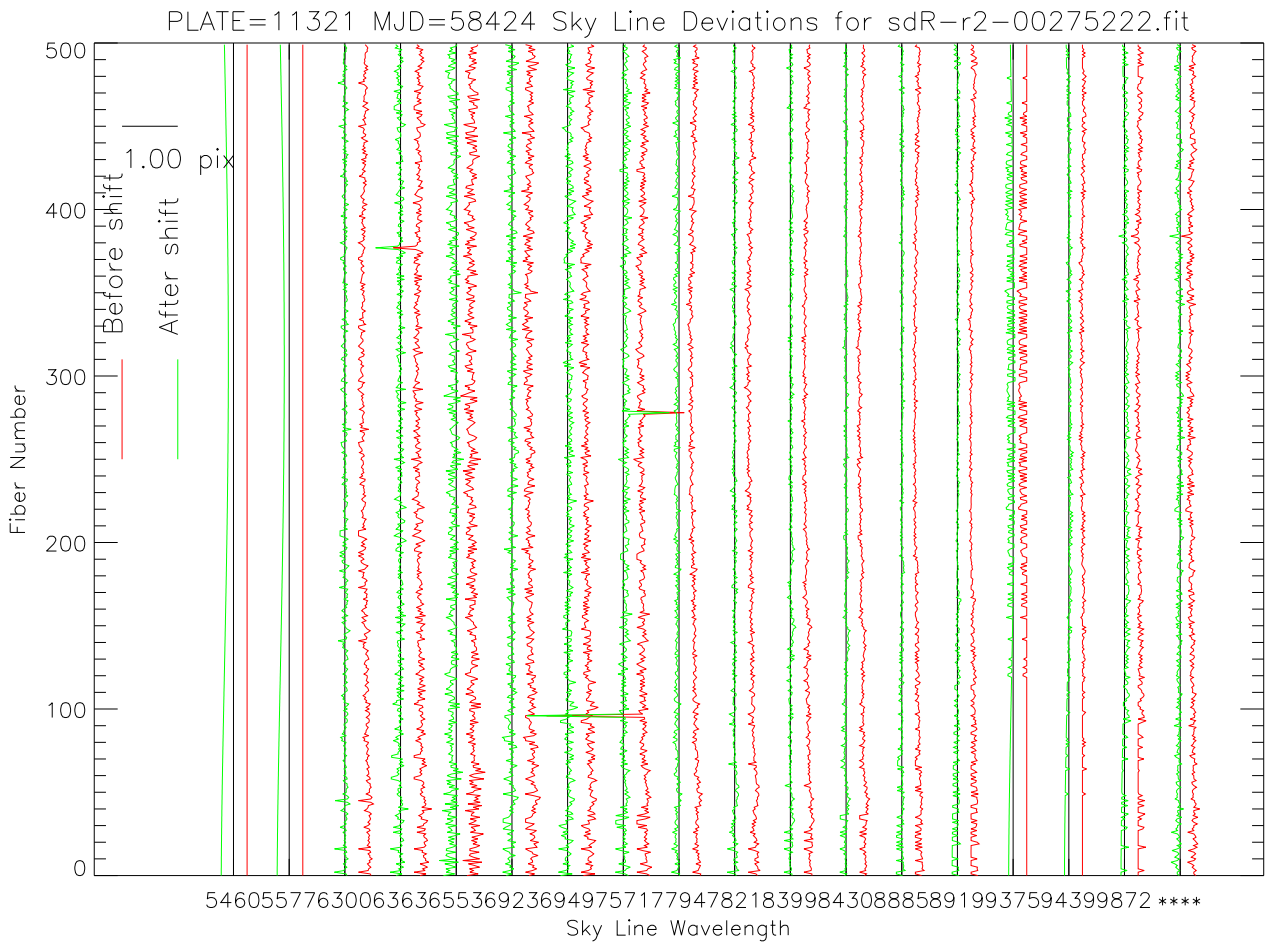


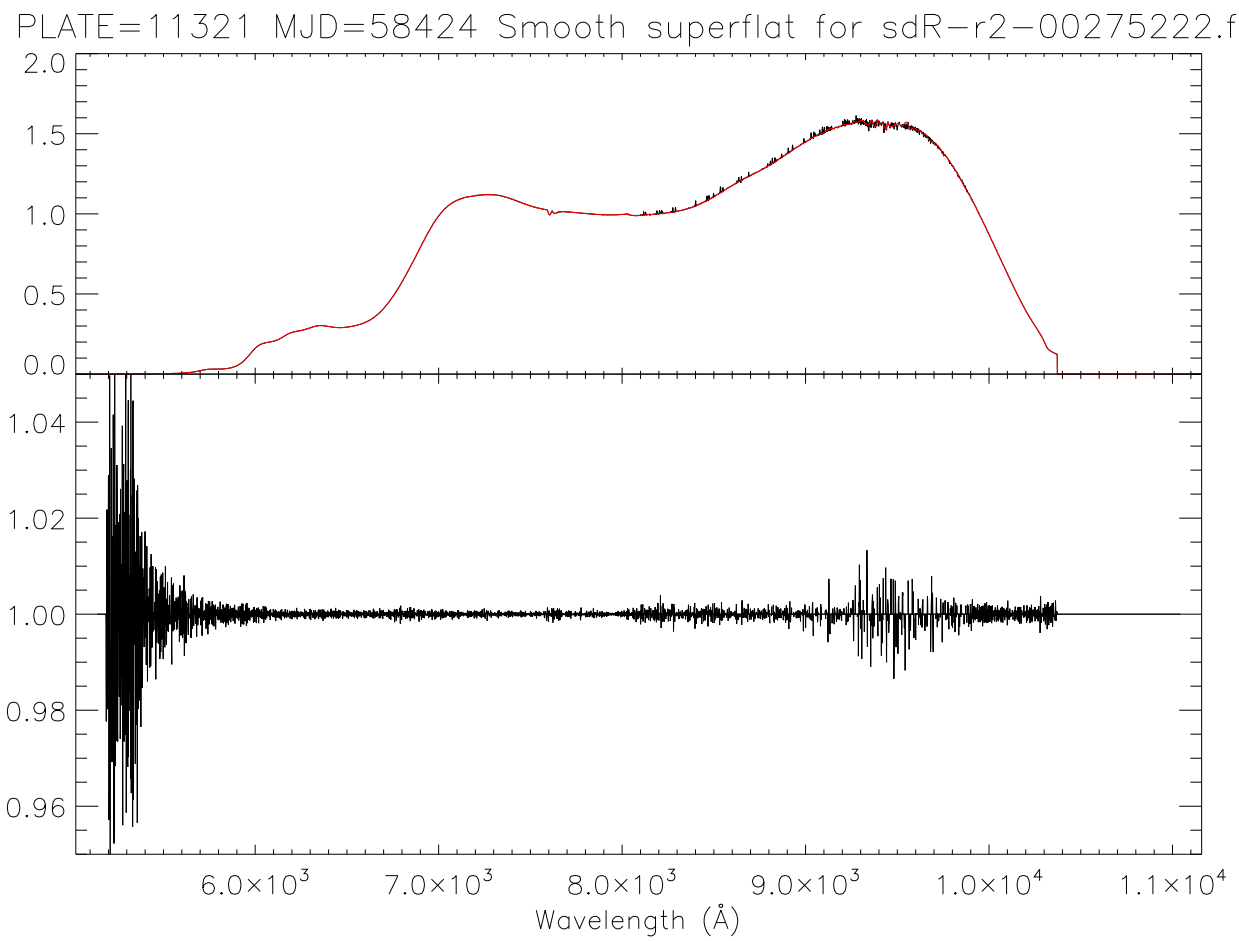

PLATE=11321 MJD=58424 sdR-r2-00275221.fit Skyline Flux at 7343,0
Flux (7343.0)/Airmass
Fiber number
RED = sky fiber
Dispersion = 7.96 %
Flux (7343.0)/Airmass
Focal Distance [mm]
Flux (7343.0)/Airmass
Airmass

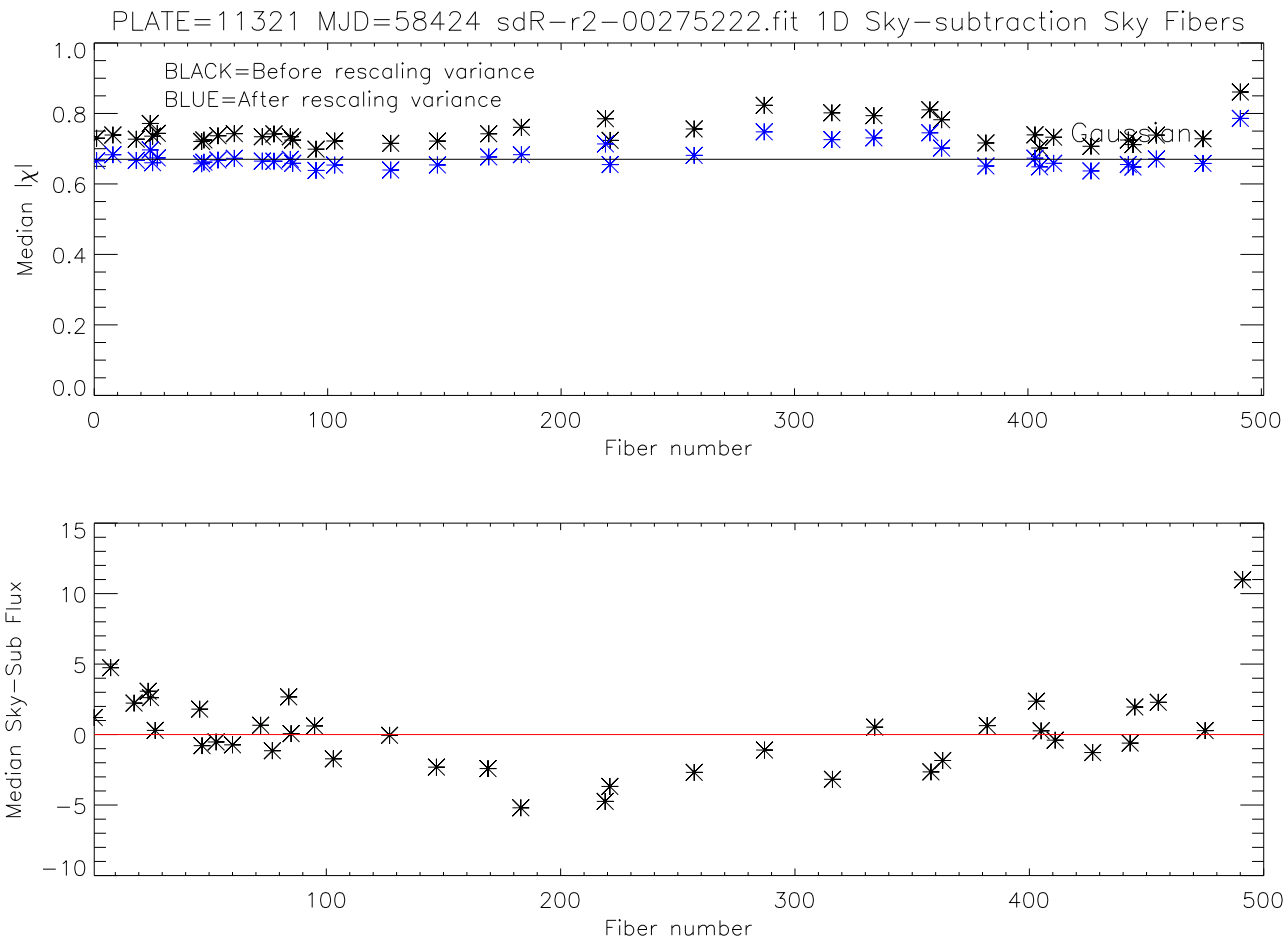

PLATE=11321 MJD=58424 sdR-r2-00275221.fit Skyline Flux at 8888.3
Flux (8888.3)/Airmass
RED = sky fiber
Dispersion = ±0.70 %
Fiber number
Focal Distance [mm]
Airmass

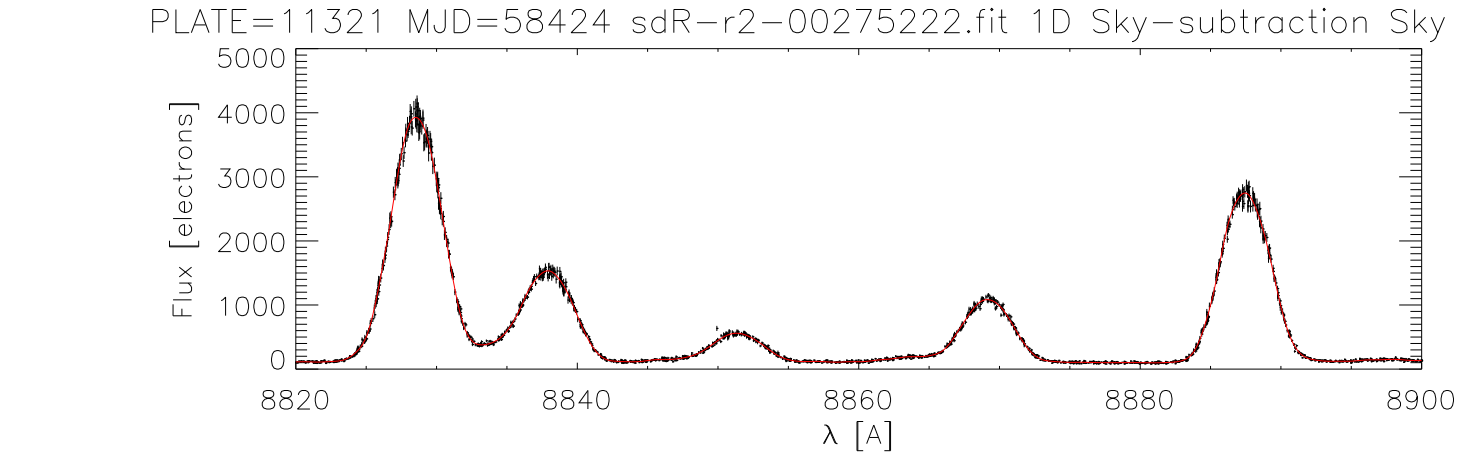

PLATE=11321 MJD=58424 Fiber-Flats for sdR-r2-00275219.fit
BLACK = Median value
ENVELOPE = 95% of points
GREEN = Outlier points
Min value = -1.633
Max value = 2.460
Fiber-Flat
1.5
1.0
0.5
0.0
6.0×10^3
7.0×10^3
8.0×10^3
9.0×10^3
1.0×10^4
1.1×10^4
λ [A]
Mon May 11 20:00:34 2020

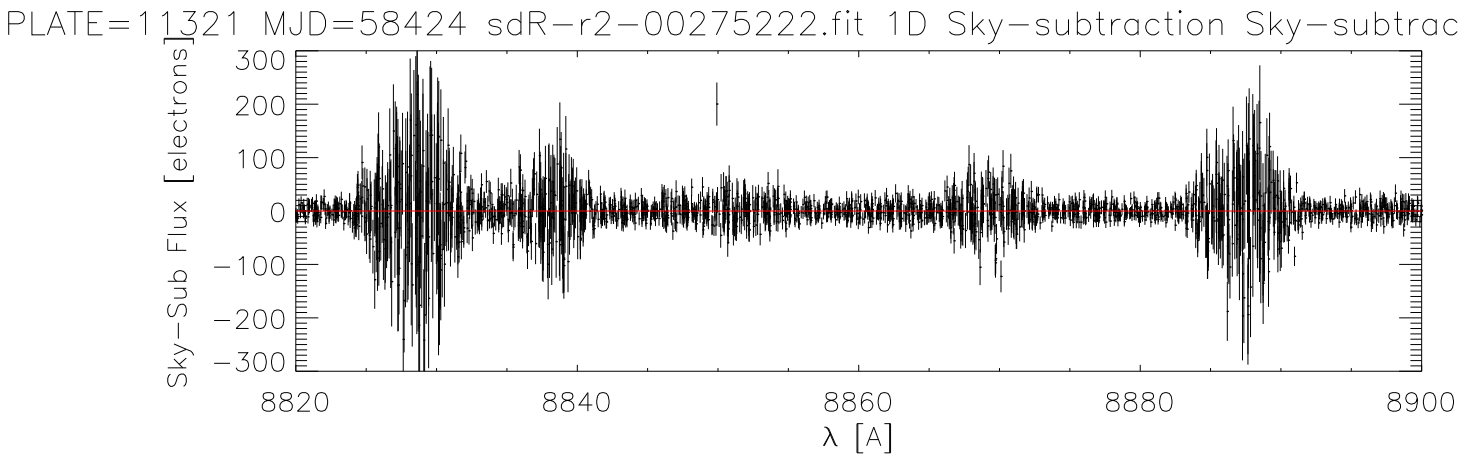

PLATE=11321 MJD=58424 Extraction chi^2 for sdR−r2−00275222.fit
BLACK = Final chisq extraction
χ^2
1.0
0.8
0.6
0.4
0.2
0.0
0
1000
2000
3000
4000
Row number


PLATE=11321 MJD=58424 Sky Line Deviations for sdR-r2-00275222.fit
Before shift
After shift
1.00 pix
Fiber Number
0
100
200
300
400
500
5460557763006363655369236949757177947821839984308885891993759439987 ****
Sky Line Wavelength

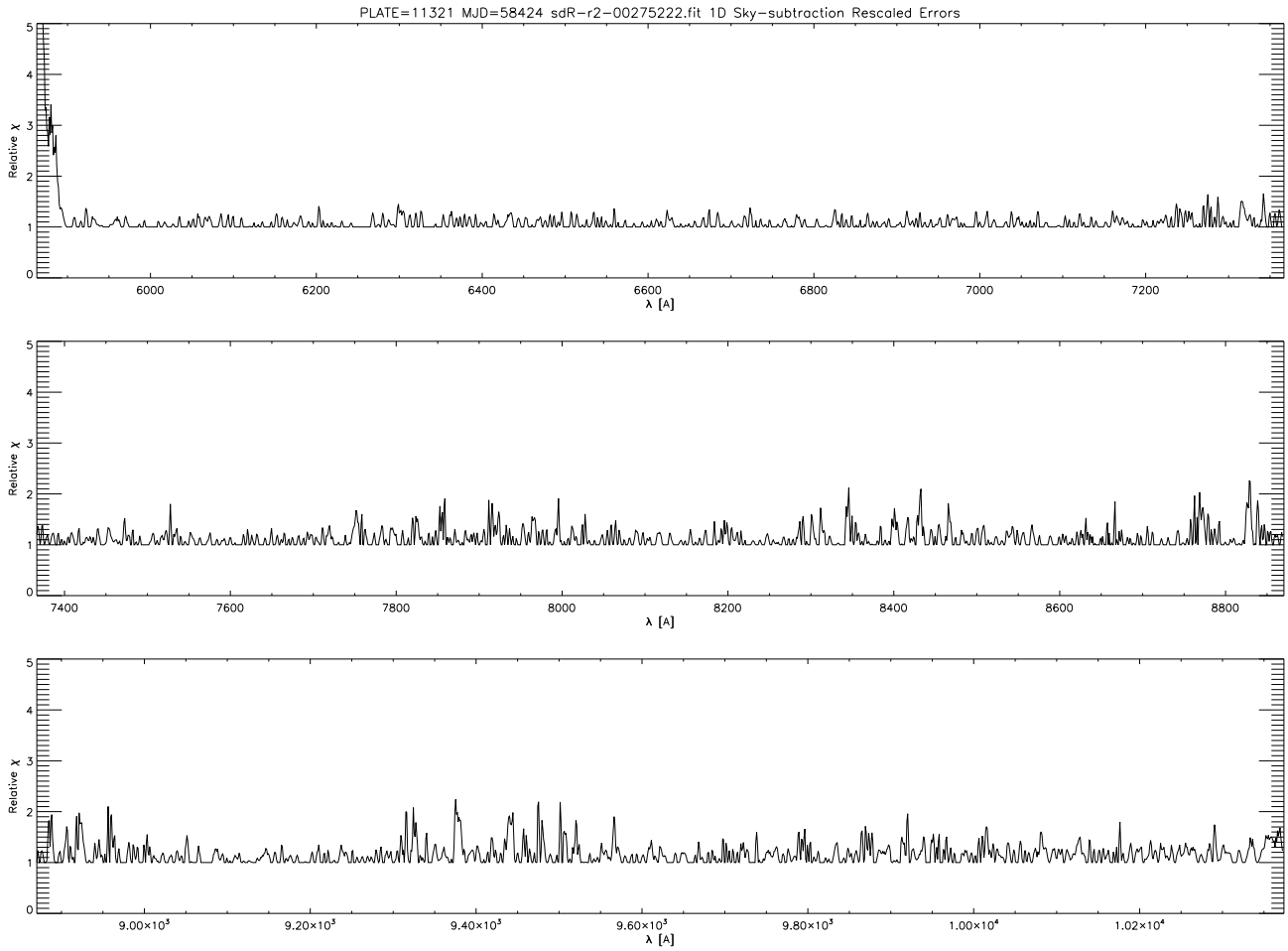

PLATE=11321 MJD=58424 Smooth superflat for sdR-r2-00275222.fit
2.0
1.5
1.0
0.5
0.0
1.04
1.02
1.00
0.98
0.96
6.0×10^3
7.0×10^3
8.0×10^3
9.0×10^3
1.0×10^4
1.1×10^4
Wavelength (Å)

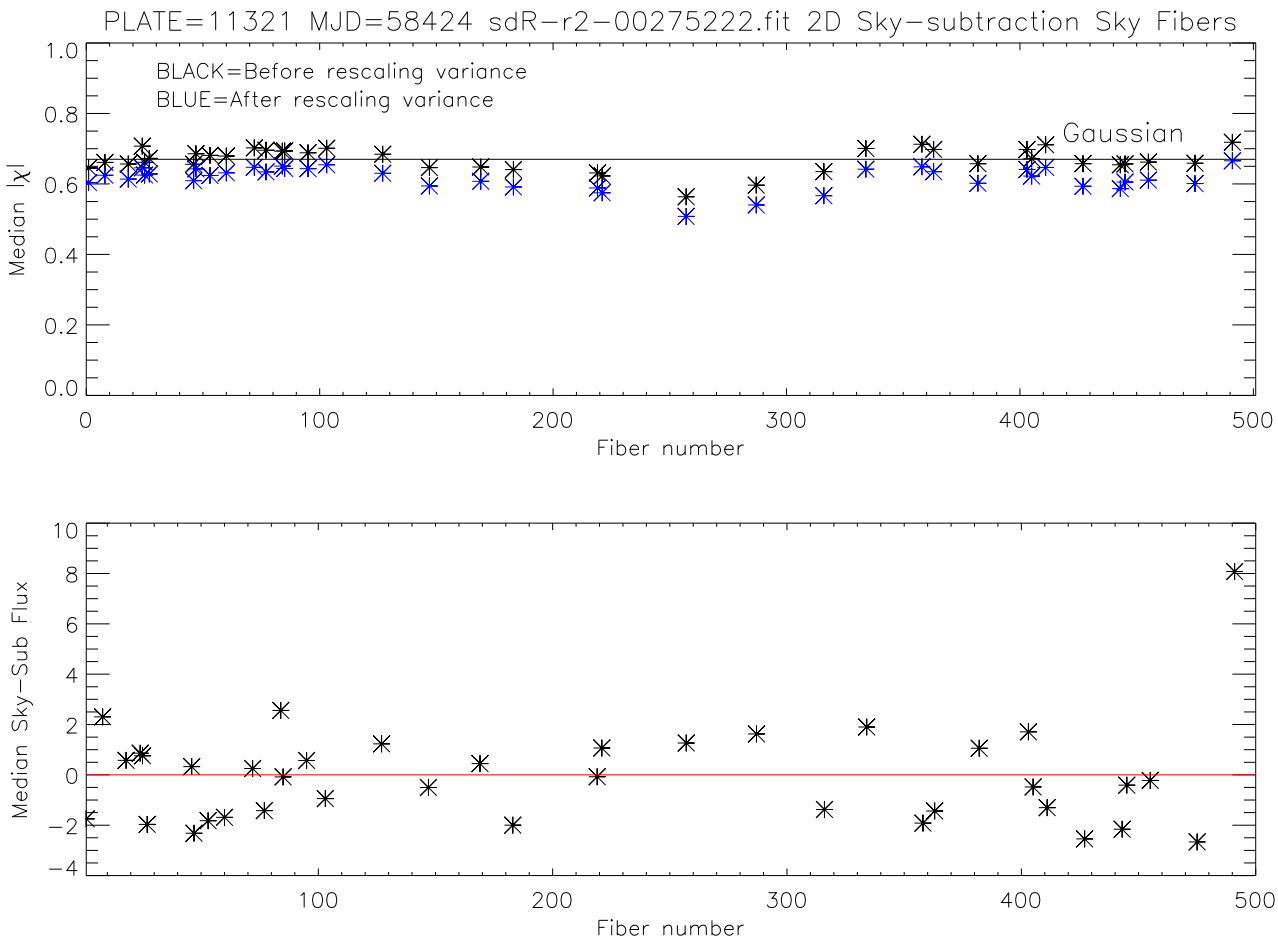

PLATE=11321 MJD=58424 sdR-r2-00275222.fit 1D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

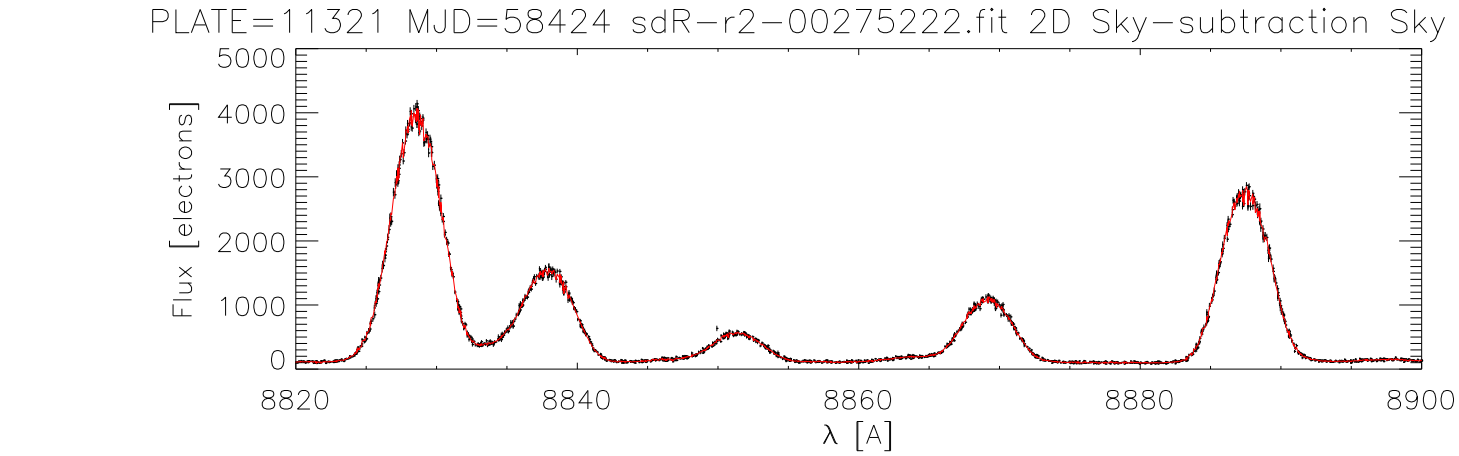

PLATE=11321 MJD=58424 sdR-r2-00275222.fit 1D Sky-subtraction Sky Fibers
Flux [electrons]
5000
4000
3000
2000
1000
0
8820
8840
8860
8880
8900
λ [A]

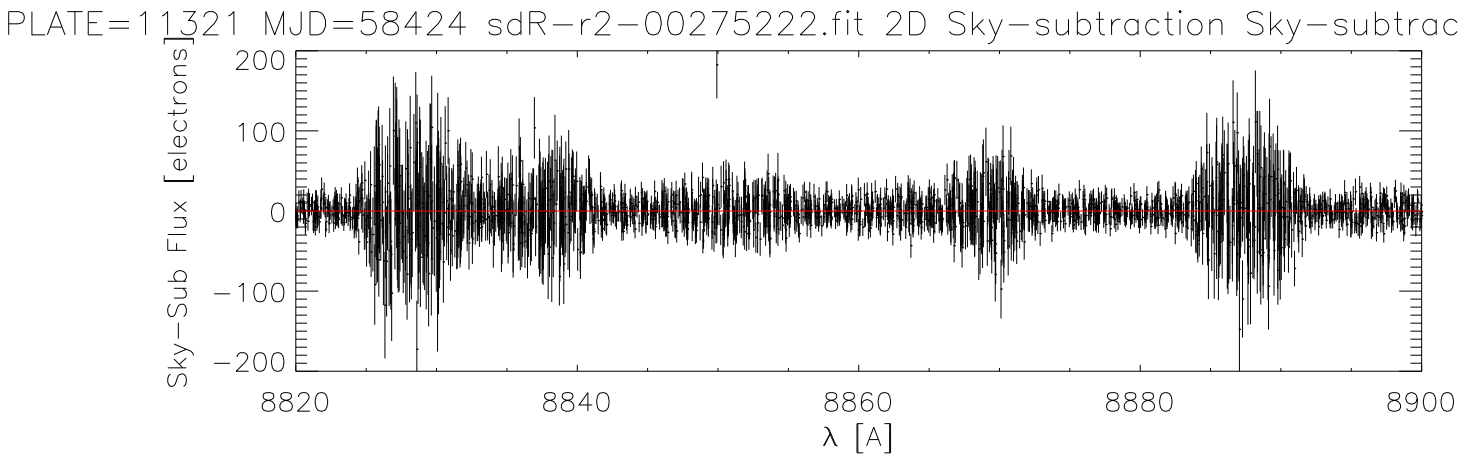

PLATE=11321 MJD=58424 sdR-r2-00275222.fit 1D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
300
200
100
0
-100
-200
-300
8820
8840
8860
8880
8900
λ [A]

Number of sky fibers = 38

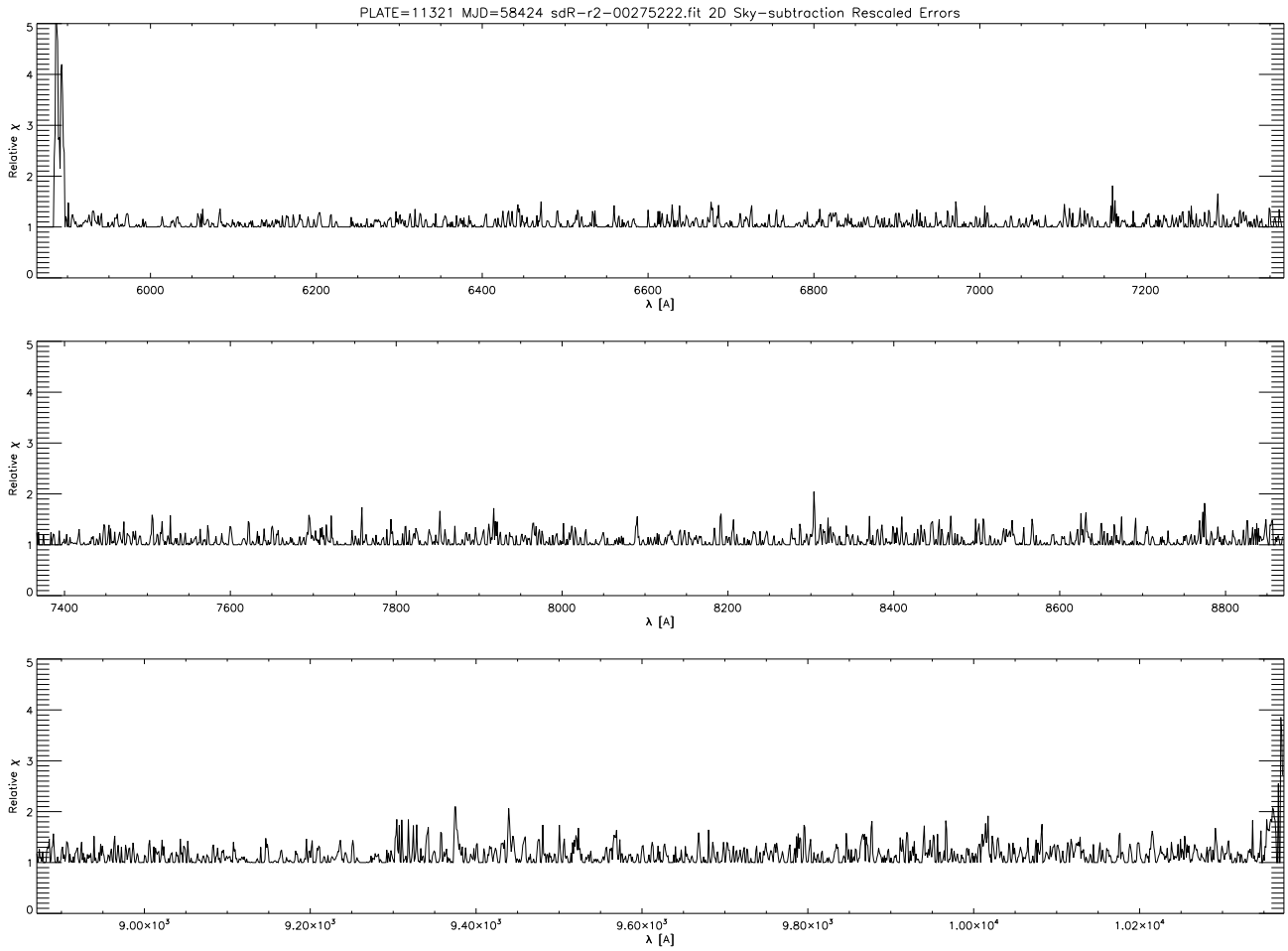


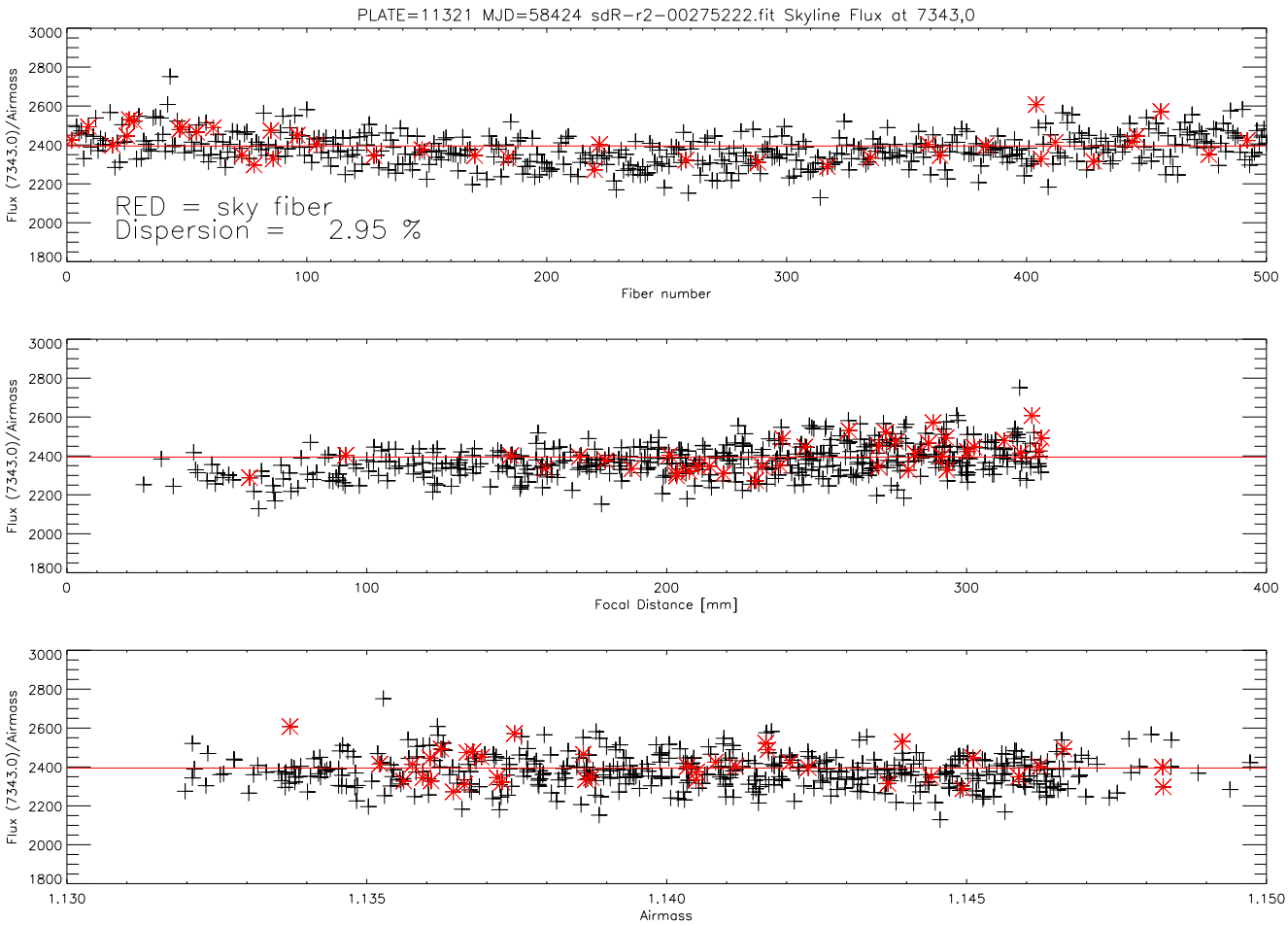

PLATE=11321 MJD=58424 sdR-r2-00275222.fit 2D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

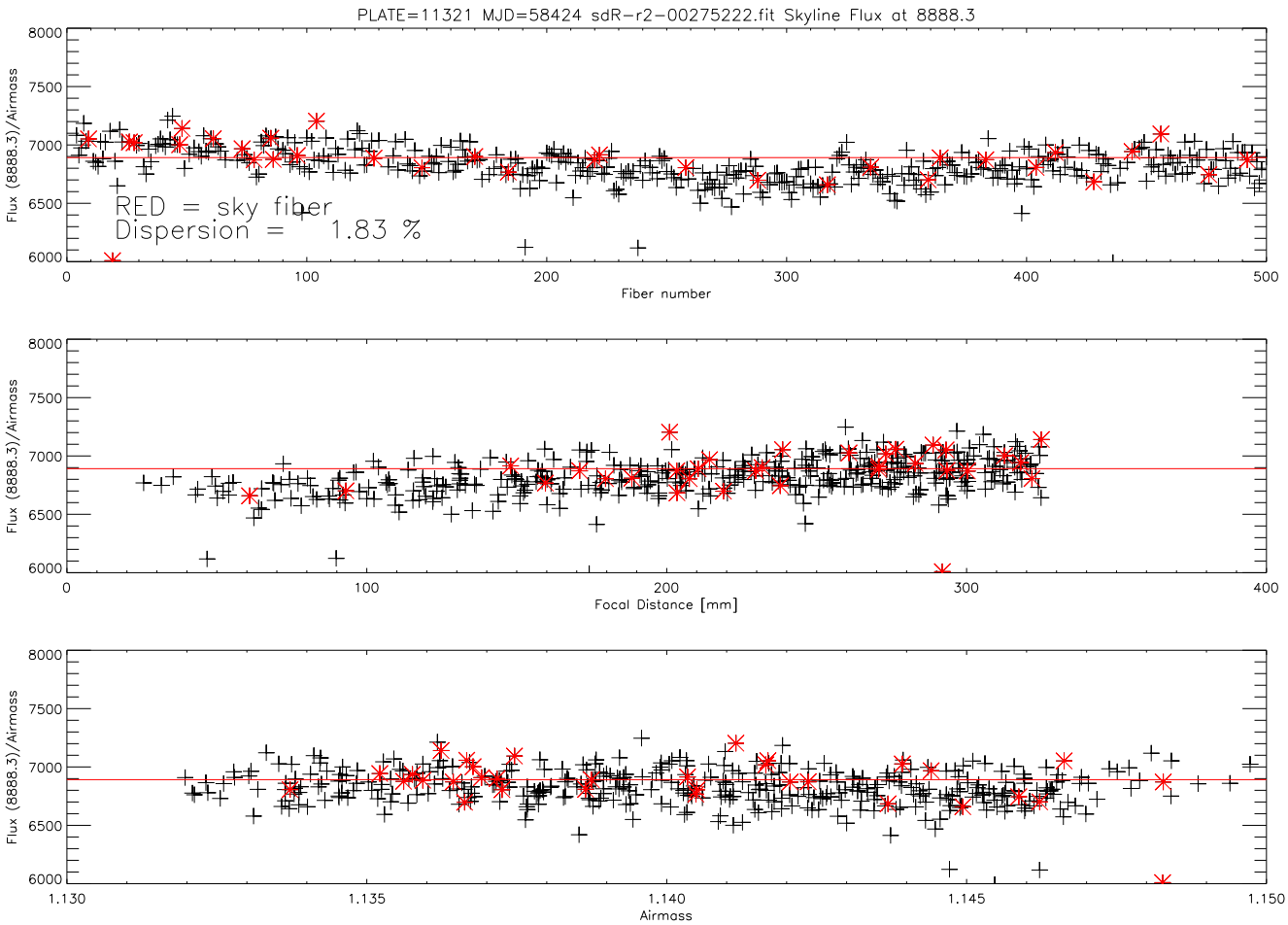

PLATE=11321 MJD=58424 sdR-r2-00275222.fit 2D Sky-subtraction Sky Fibers
Flux [electrons]
5000
4000
3000
2000
1000
0
8820
8840
8860
8880
8900
λ [A]

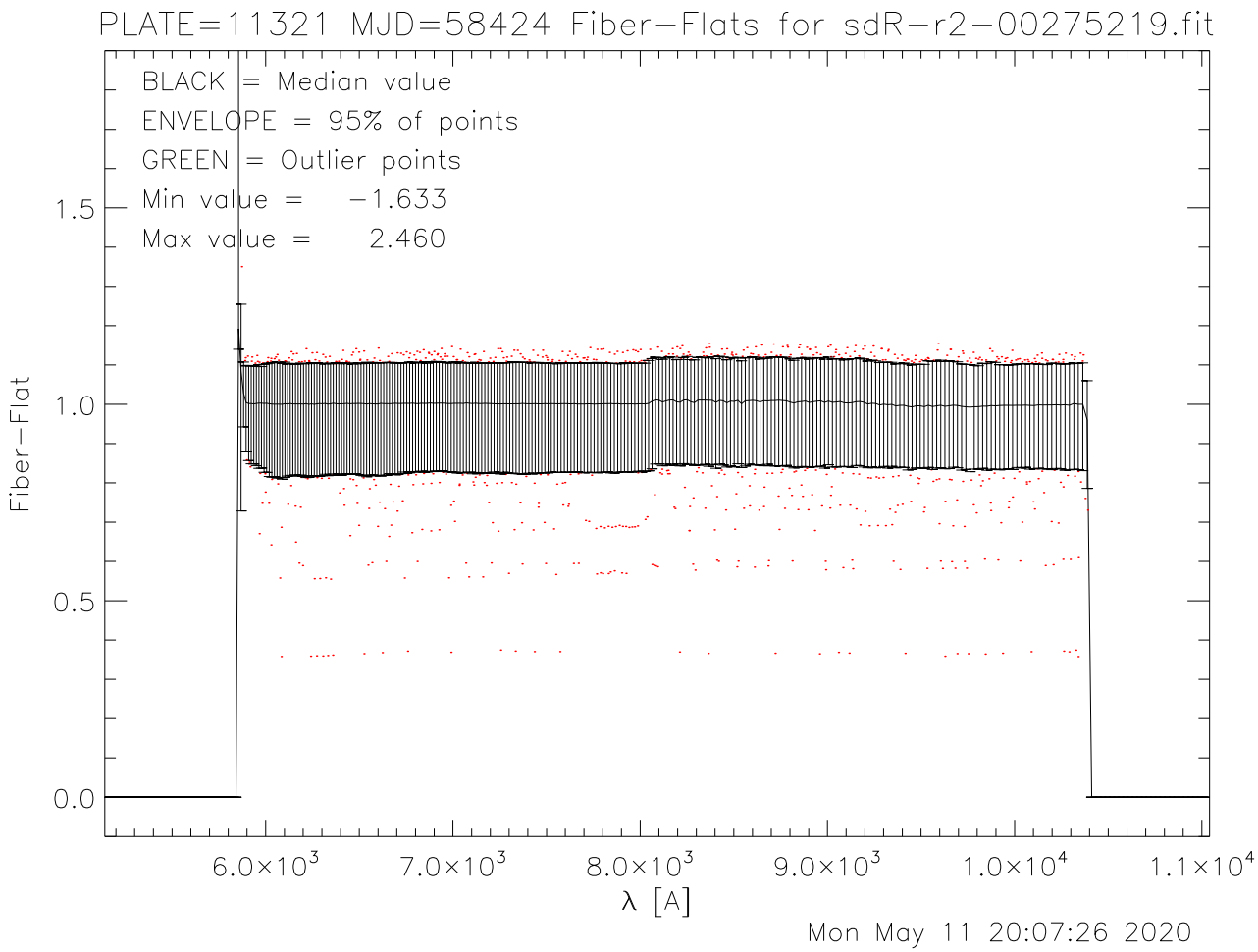

PLATE=11321 MJD=58424 sdR-r2-00275222.fit 2D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
200
100
0
-100
-200
8820
8840
8860
8880
8900
λ [A]

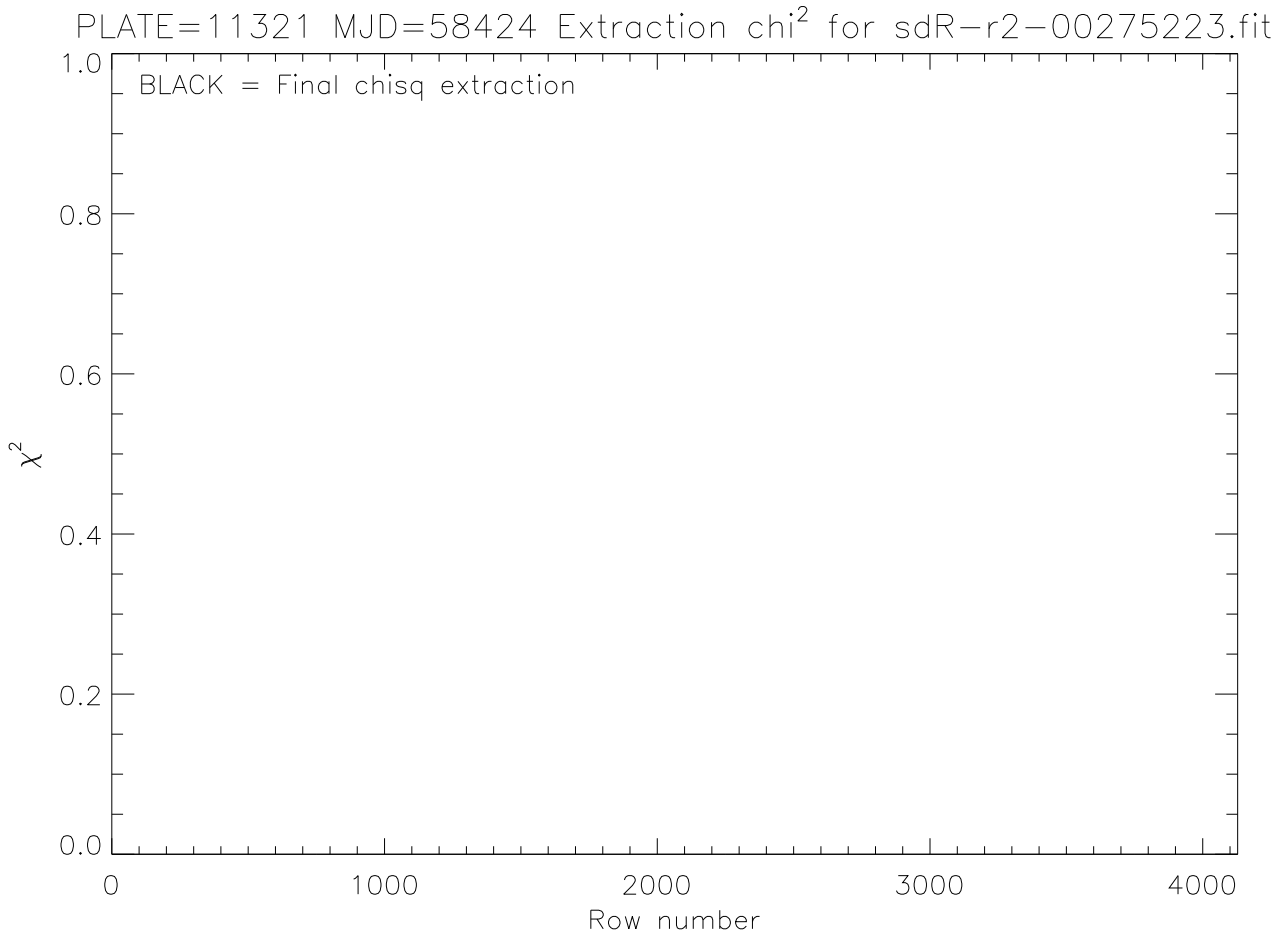
Number of sky fibers = 38

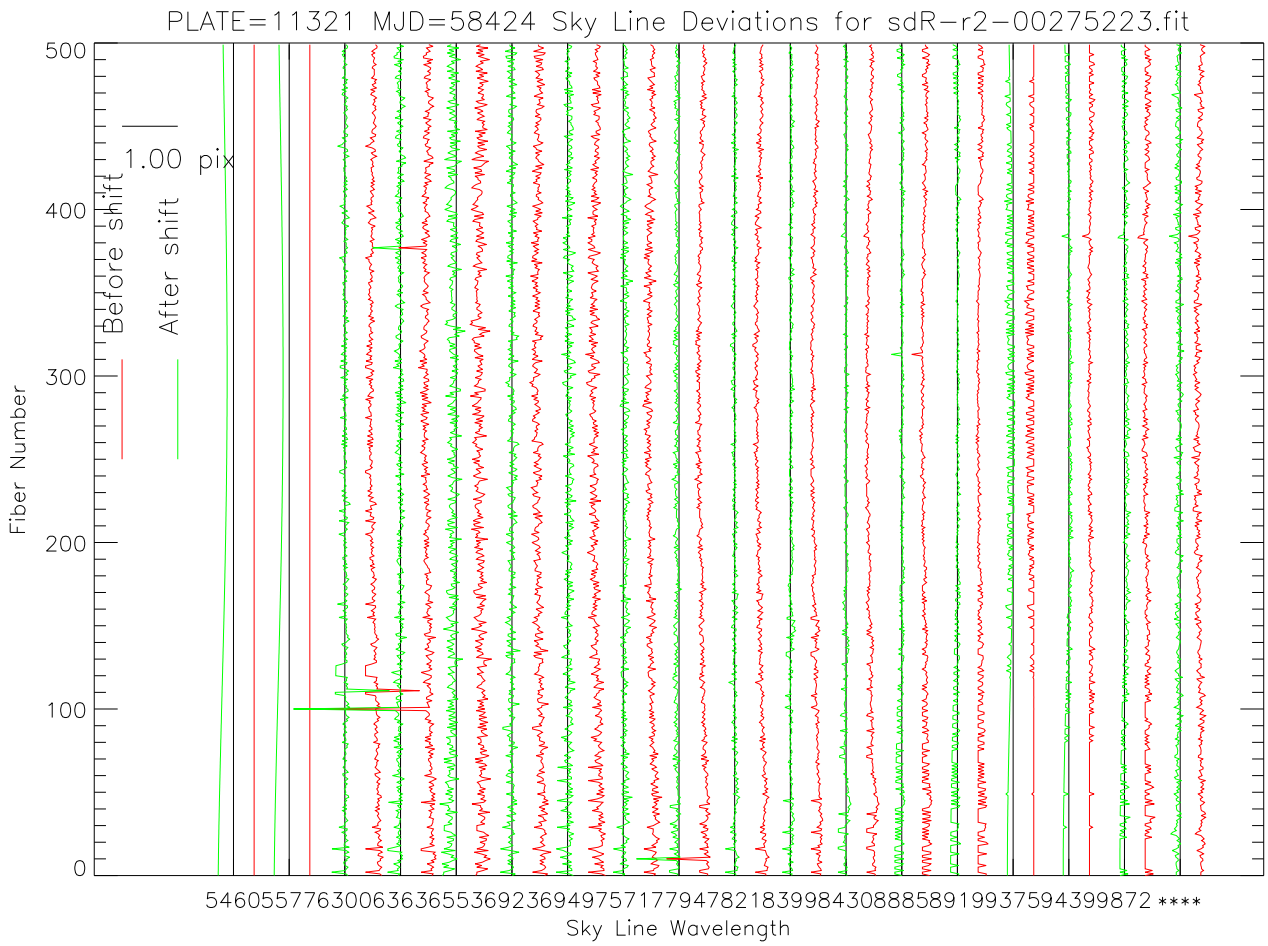


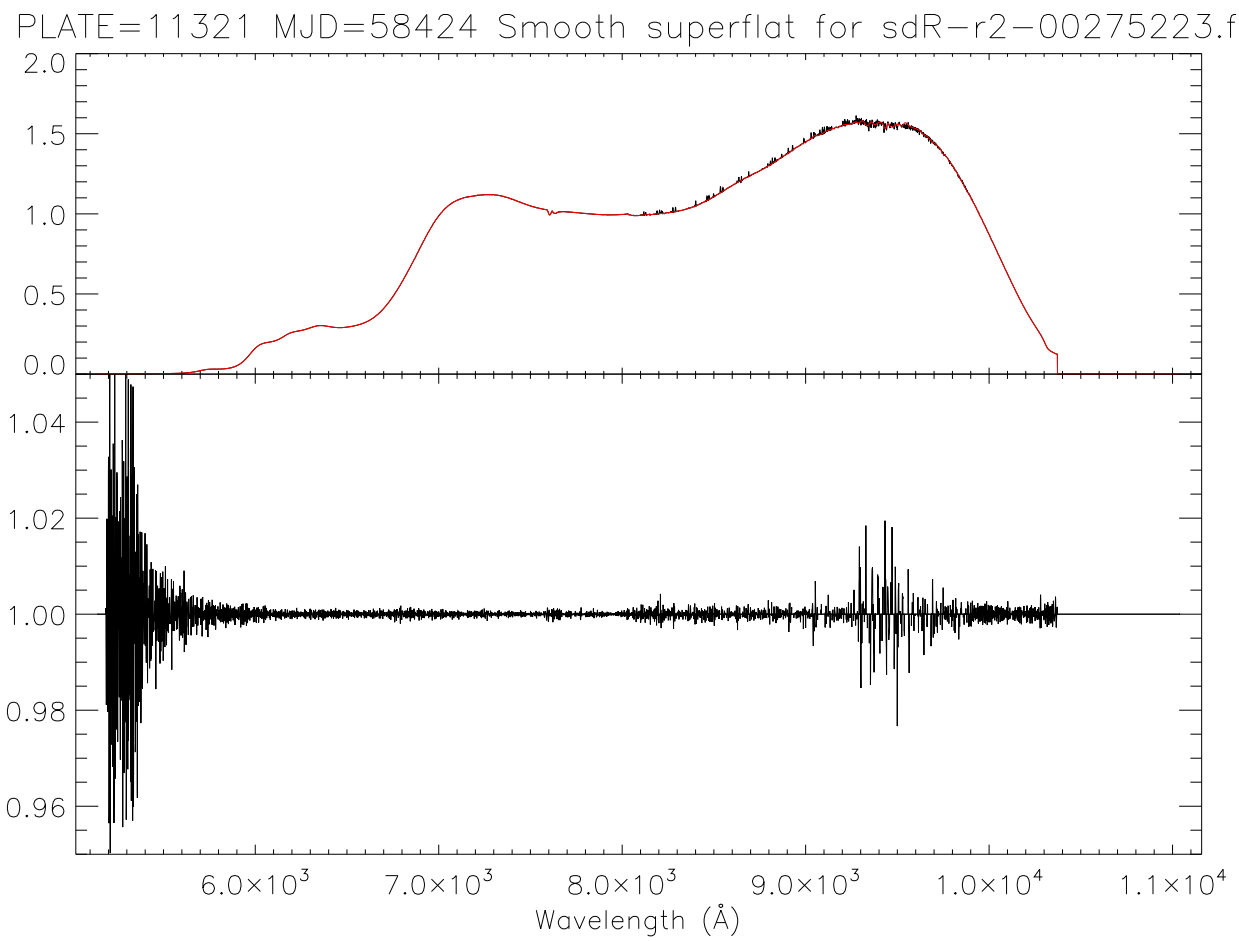

PLATE=11321 MJD=58424 sdR-r2-00275222.fit Skyline Flux at 7343,0
Flux (7343.0)/Airmass
RED = sky fiber
Dispersion = 2.95 %
Fiber number
Flux (7343.0)/Airmass
Focal Distance [mm]
Flux (7343.0)/Airmass
Airmass

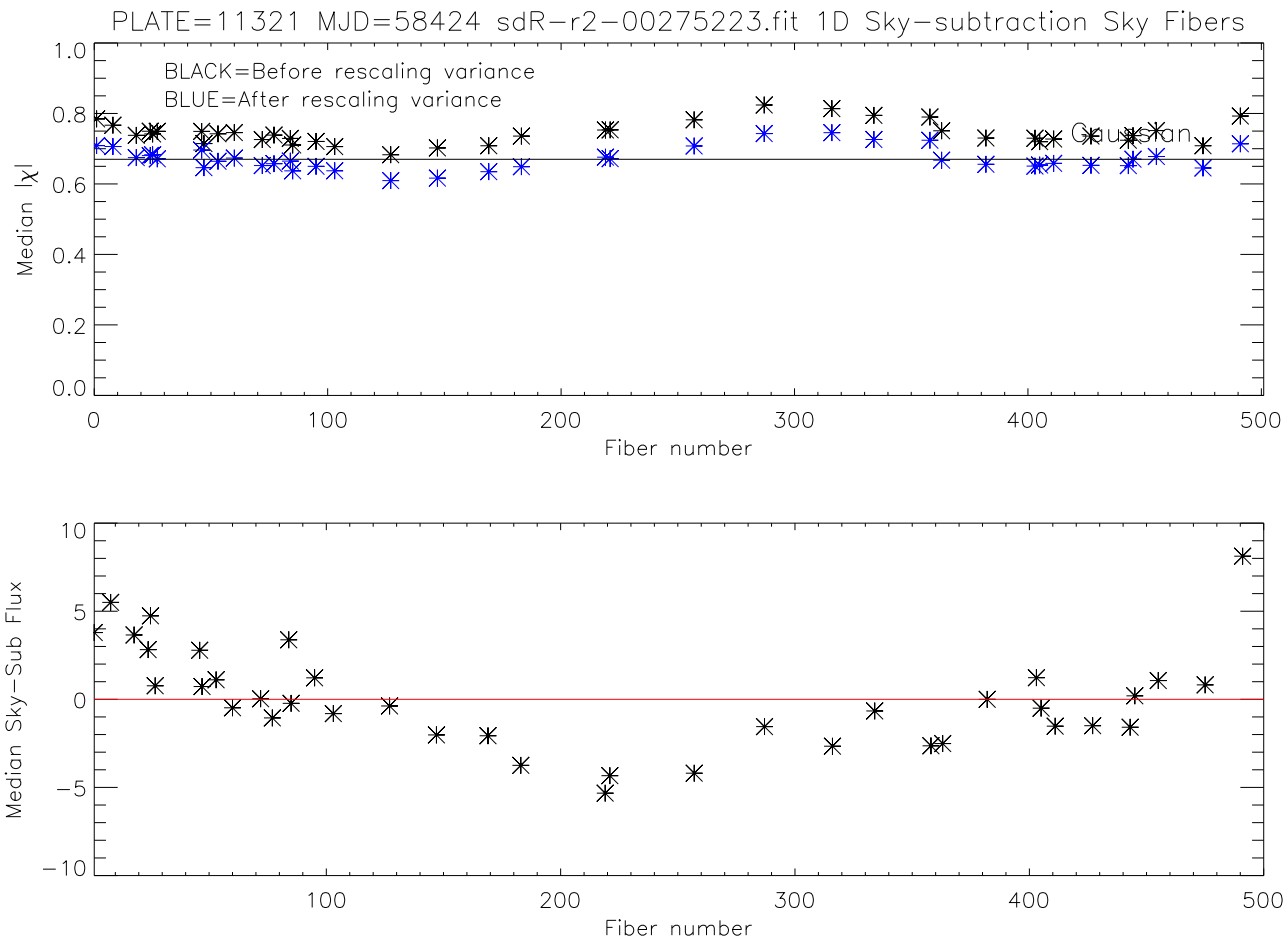

PLATE=11321 MJD=58424 sdR-r2-00275222.fit Skyline Flux at 8888.3
Flux (8888.3)/Airmass
RED = sky fiber
Dispersion = 1.83 %
Fiber number
Focal Distance [mm]
Airmass

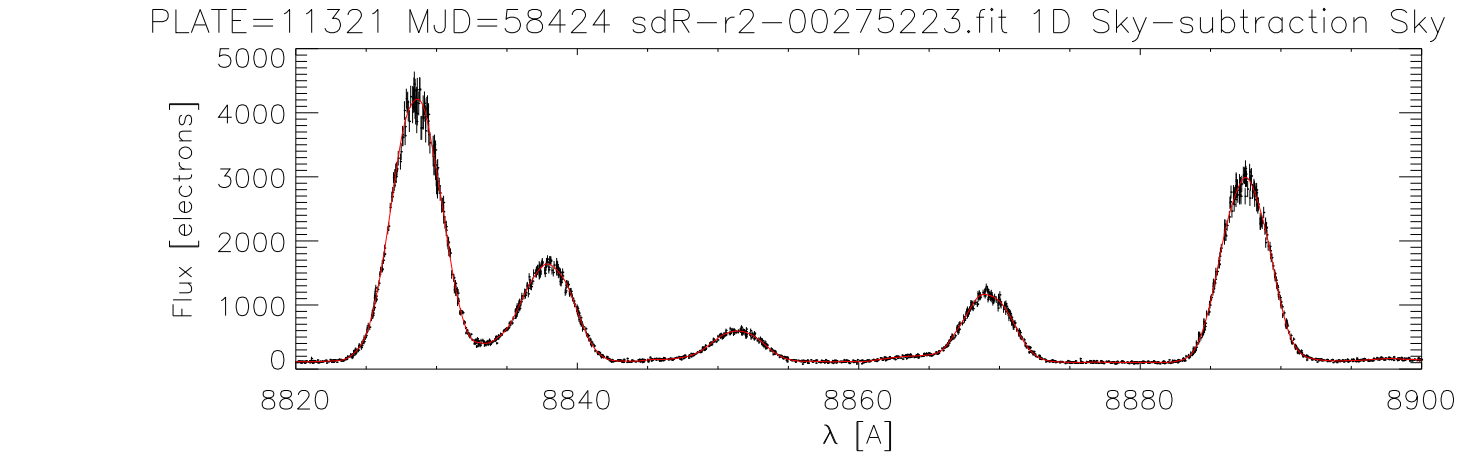

PLATE=11321 MJD=58424 Fiber-Flats for sdR-r2-00275219.fit
BLACK = Median value
ENVELOPE = 95% of points
GREEN = Outlier points
Min value = -1.633
Max value = 2.460
Fiber-Flat
1.5
1.0
0.5
0.0
6.0×10^3
7.0×10^3
8.0×10^3
9.0×10^3
1.0×10^4
1.1×10^4
λ [A]
Mon May 11 20:07:26 2020

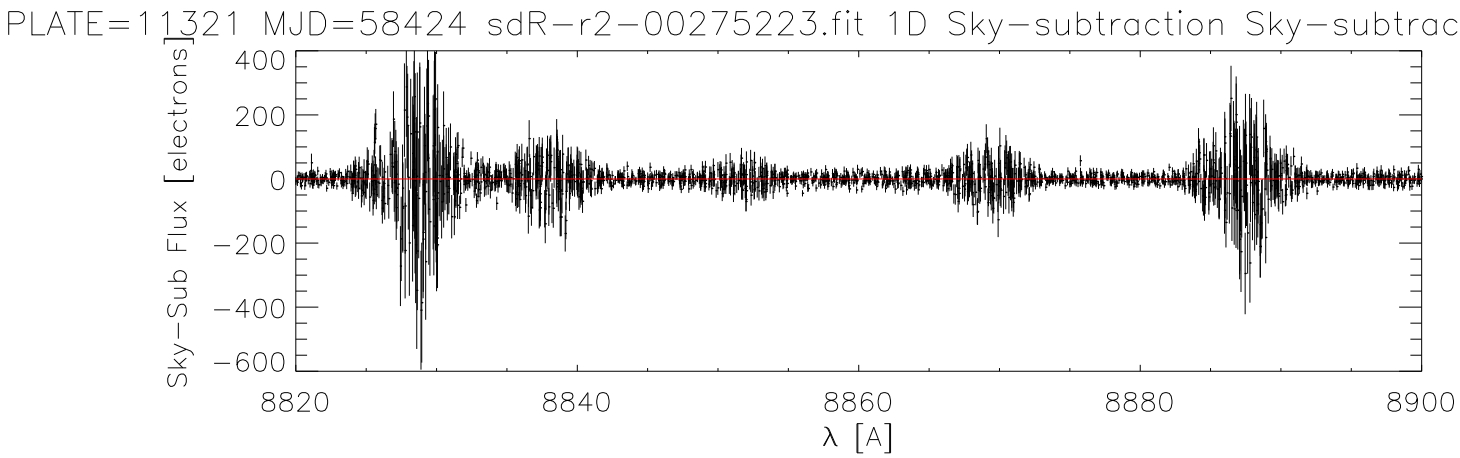

PLATE=11321 MJD=58424 Extraction chi^2 for sdR−r2−00275223.fit
BLACK = Final chisq extraction
1.0
0.8
0.6
0.4
0.2
0.0
χ^2
0
1000
2000
3000
4000
Row number


PLATE=11321 MJD=58424 Sky Line Deviations for sdR-r2-00275223.fit
Before shift
After shift
1.00 pix
Fiber Number
0
100
200
300
400
500
Sky Line Wavelength

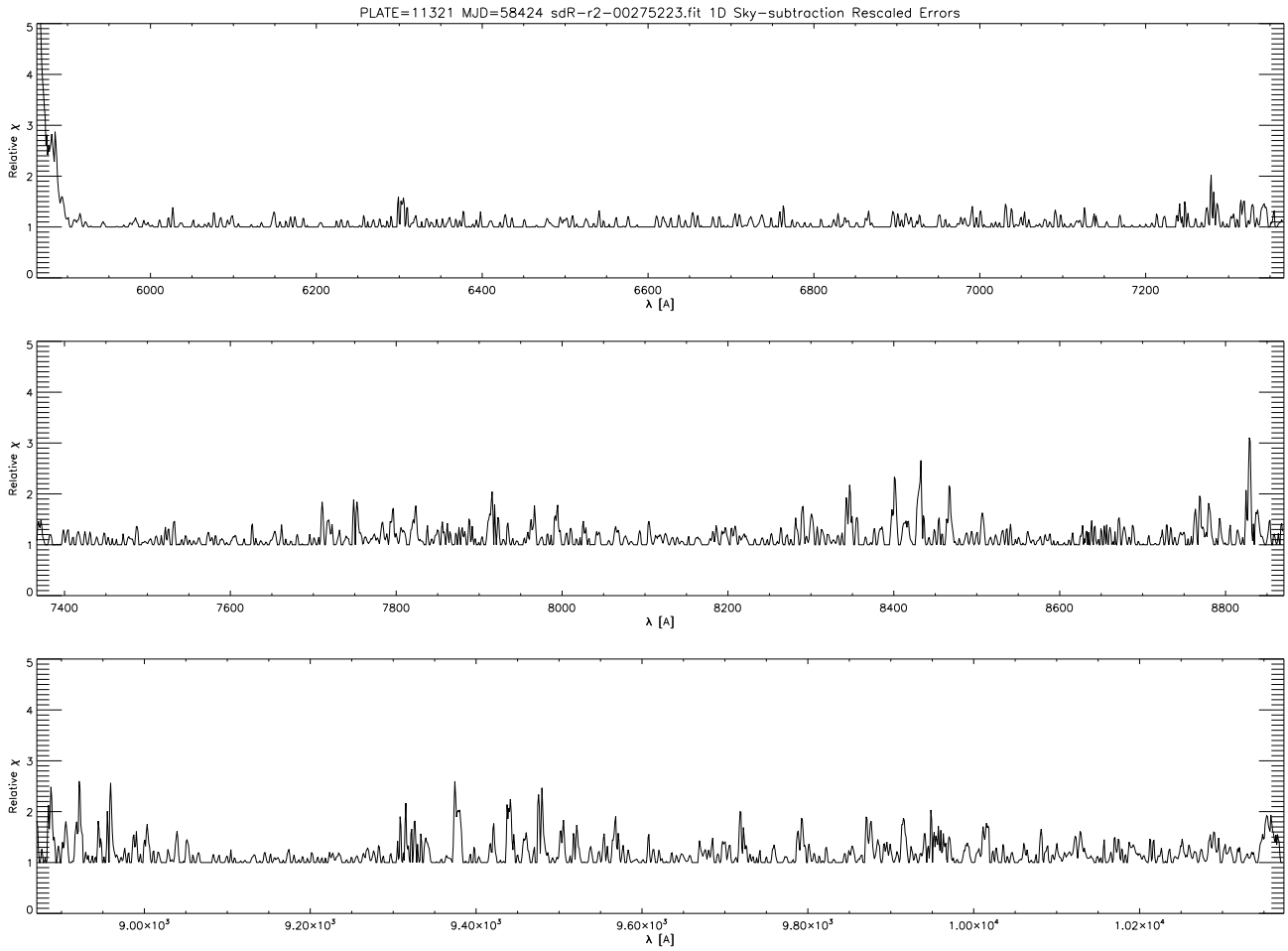

PLATE=11321 MJD=58424 Smooth superflat for sdR-r2-00275223.fit
2.0
1.5
1.0
0.5
0.0
1.04
1.02
1.00
0.98
0.96
6.0×10^3
7.0×10^3
8.0×10^3
9.0×10^3
1.0×10^4
1.1×10^4
Wavelength (Å)

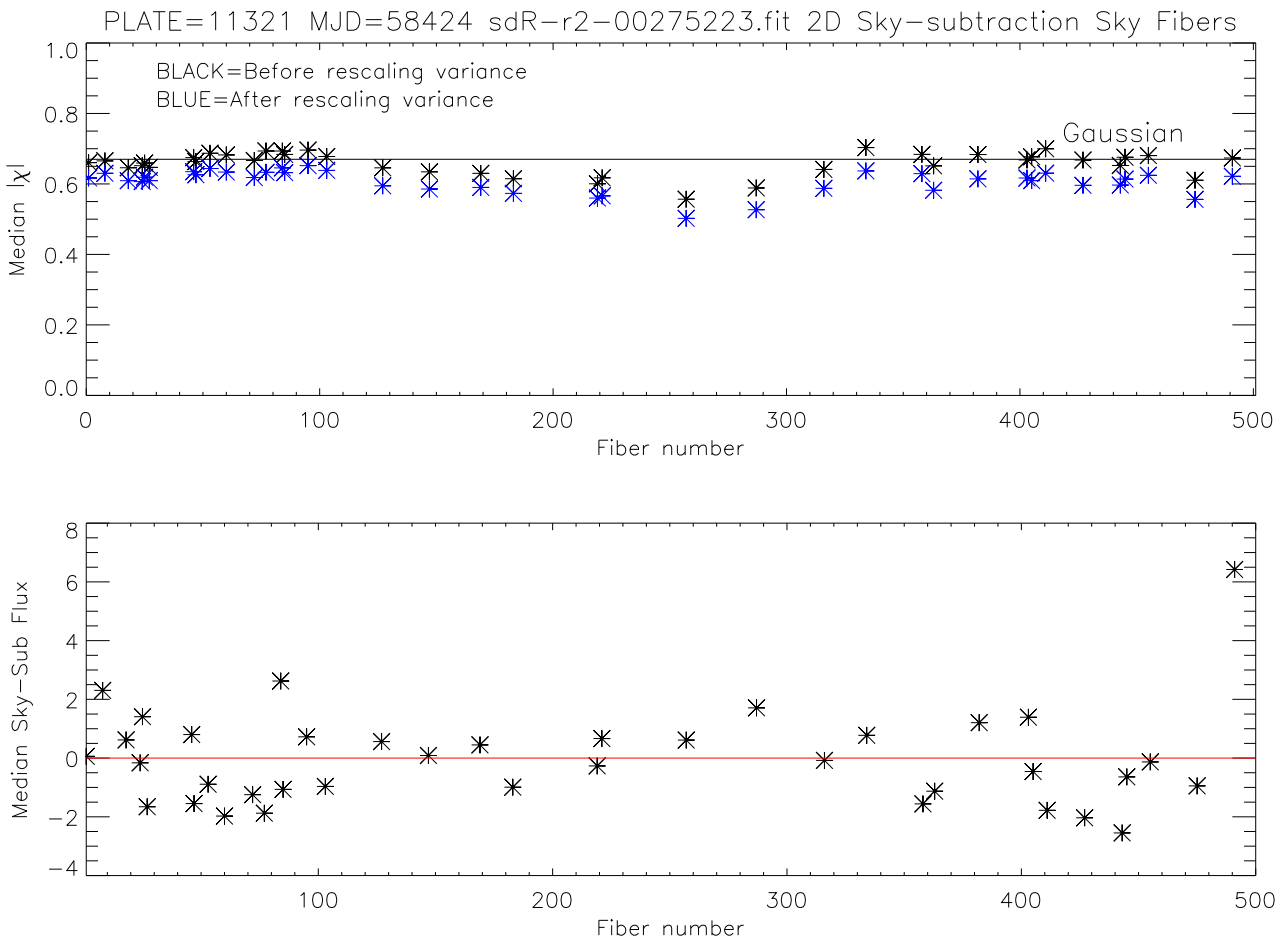

PLATE=11321 MJD=58424 sdR-r2-00275223.fit 1D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

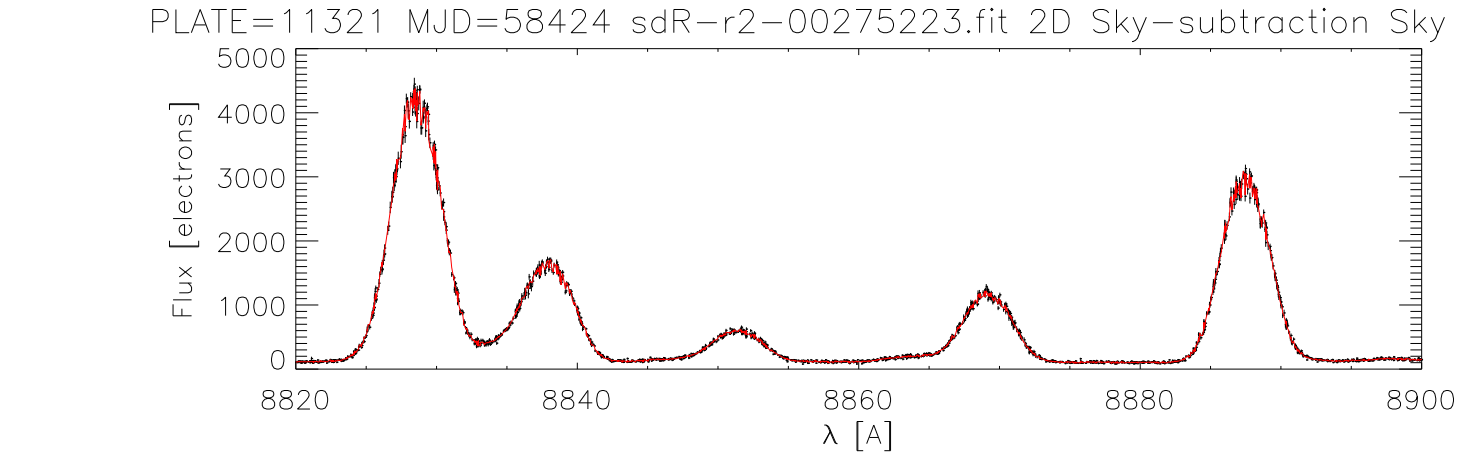

PLATE=11321 MJD=58424 sdR-r2-00275223.fit 1D Sky-subtraction Sky Fibers
Flux [electrons]
5000
4000
3000
2000
1000
0
8820
8840
8860
8880
8900
λ [A]

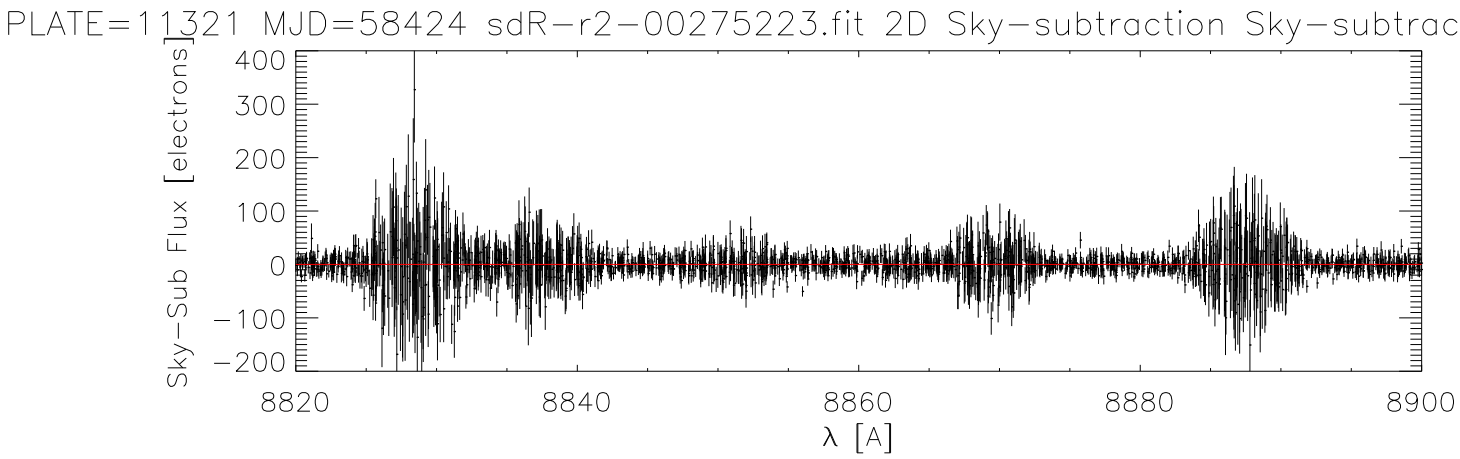

PLATE=11321 MJD=58424 sdR-r2-00275223.fit 1D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
400
200
0
-200
-400
-600
8820
8840
8860
8880
8900
λ [A]

Number of sky fibers = 38

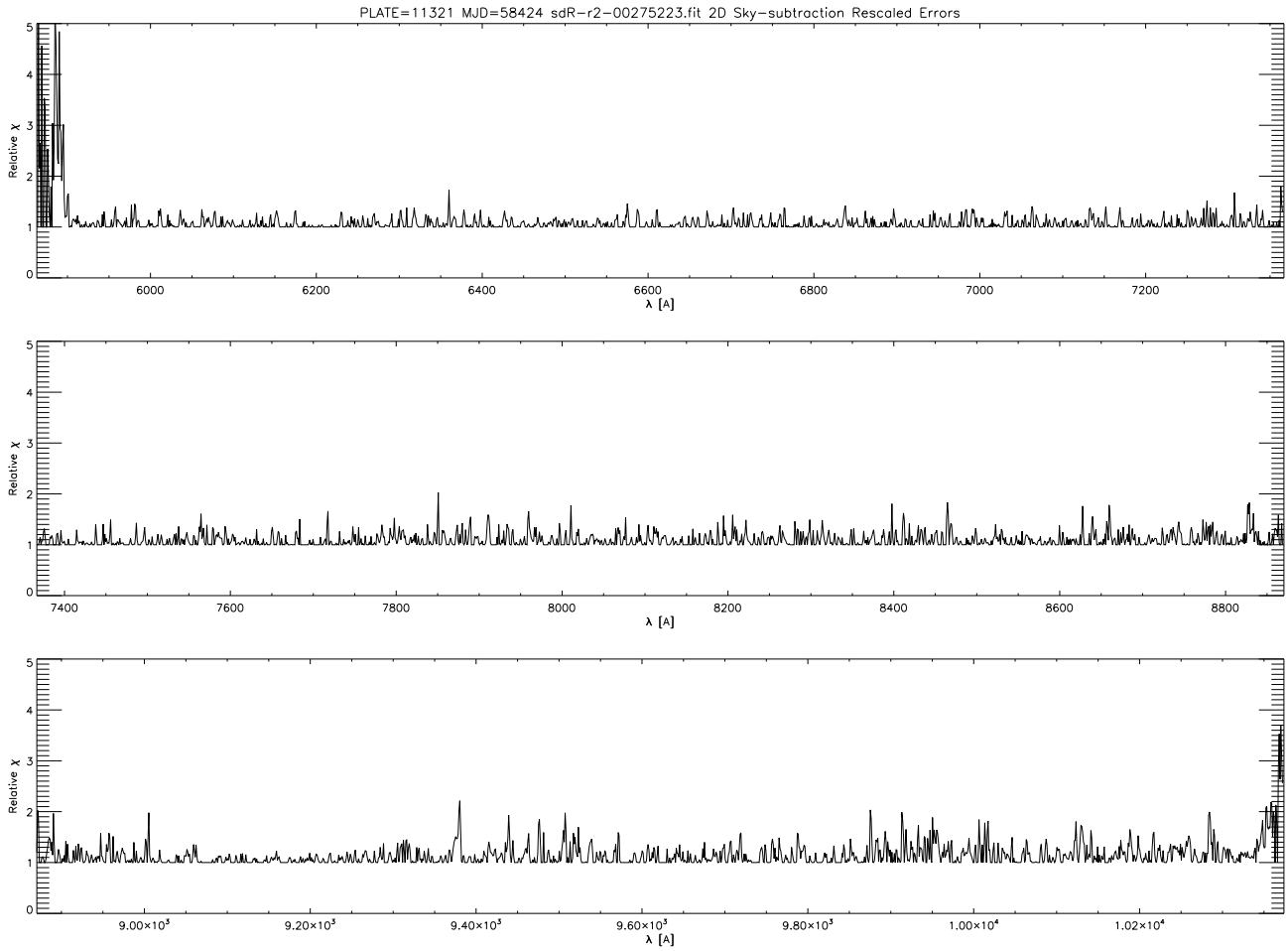


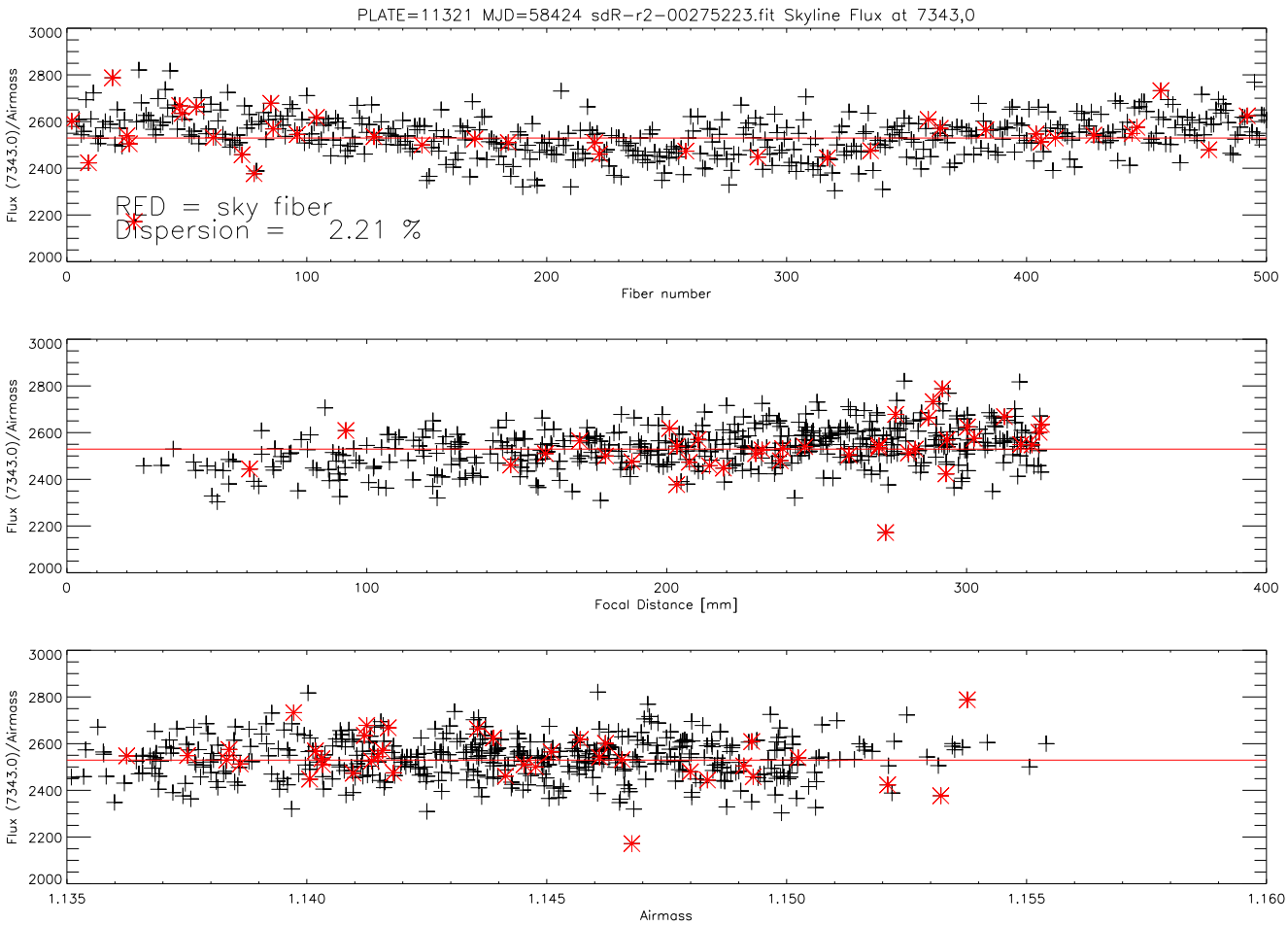

PLATE=11321 MJD=58424 sdR-r2-00275223.fit 2D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

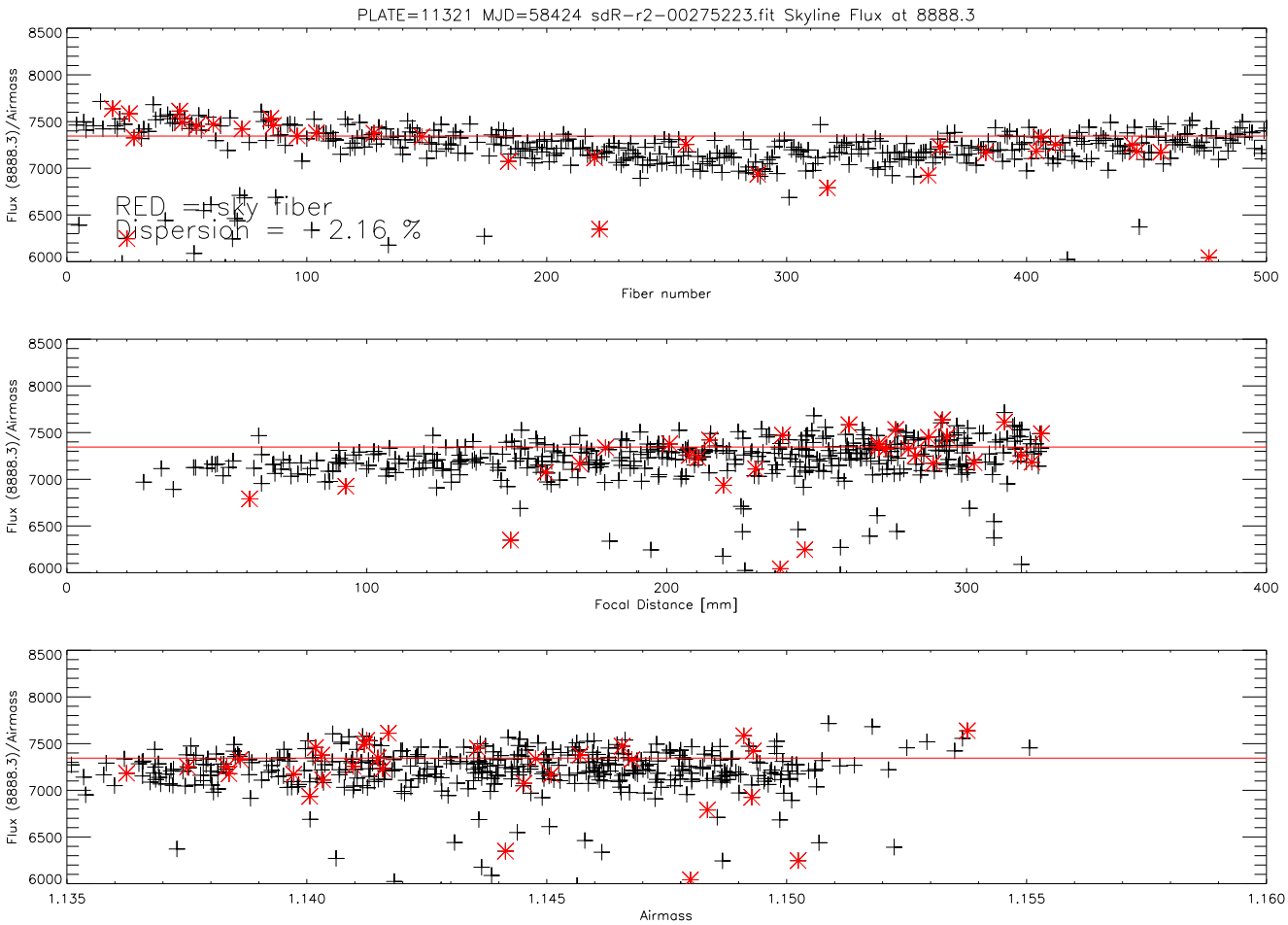

PLATE=11321 MJD=58424 sdR-r2-00275223.fit 2D Sky-subtraction Sky Fibers
Flux [electrons]
5000
4000
3000
2000
1000
0
8820
8840
8860
8880
8900
λ [A]

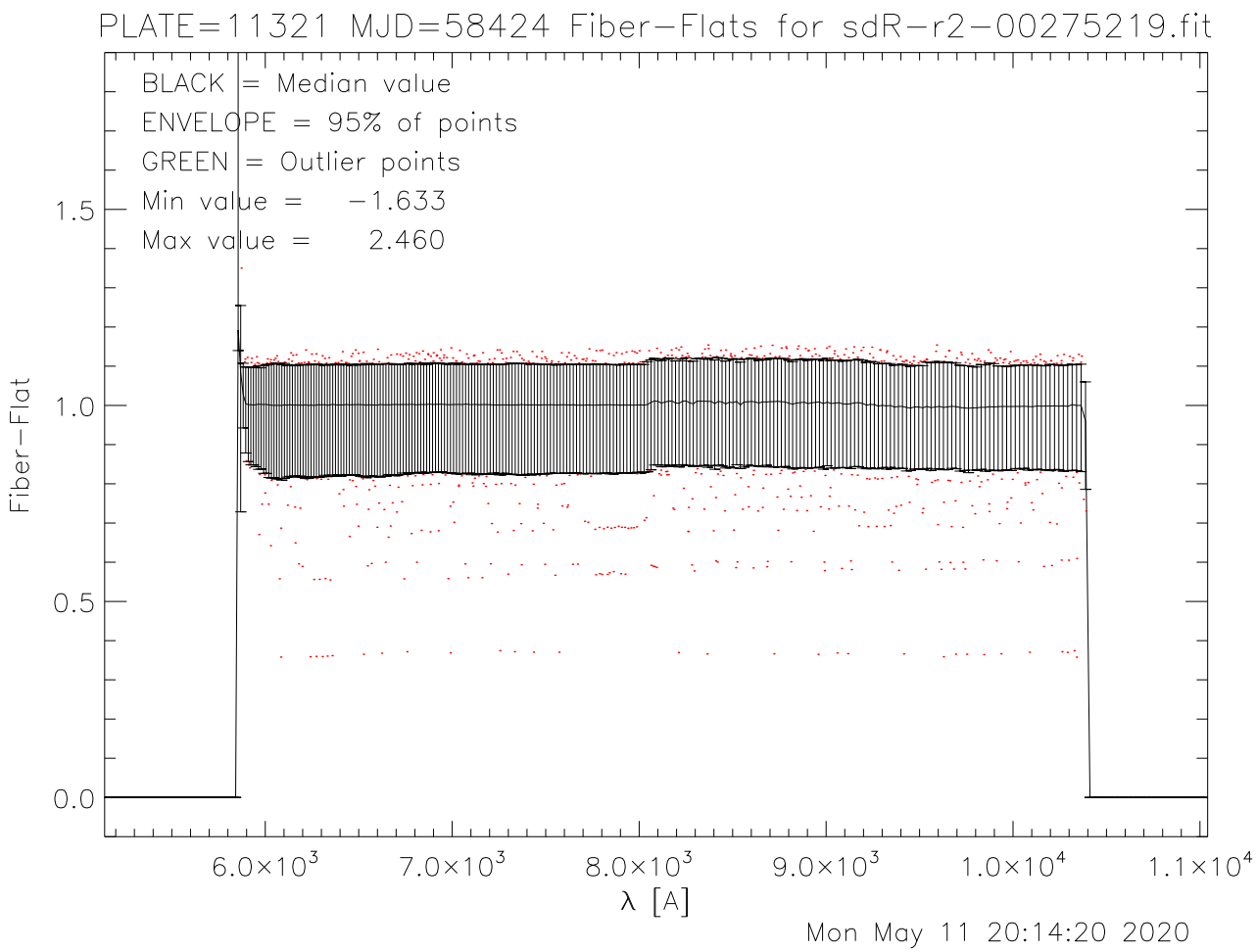

PLATE=11321 MJD=58424 sdR-r2-00275223.fit 2D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
400
300
200
100
0
-100
-200
8820
8840
8860
8880
8900
λ [A]

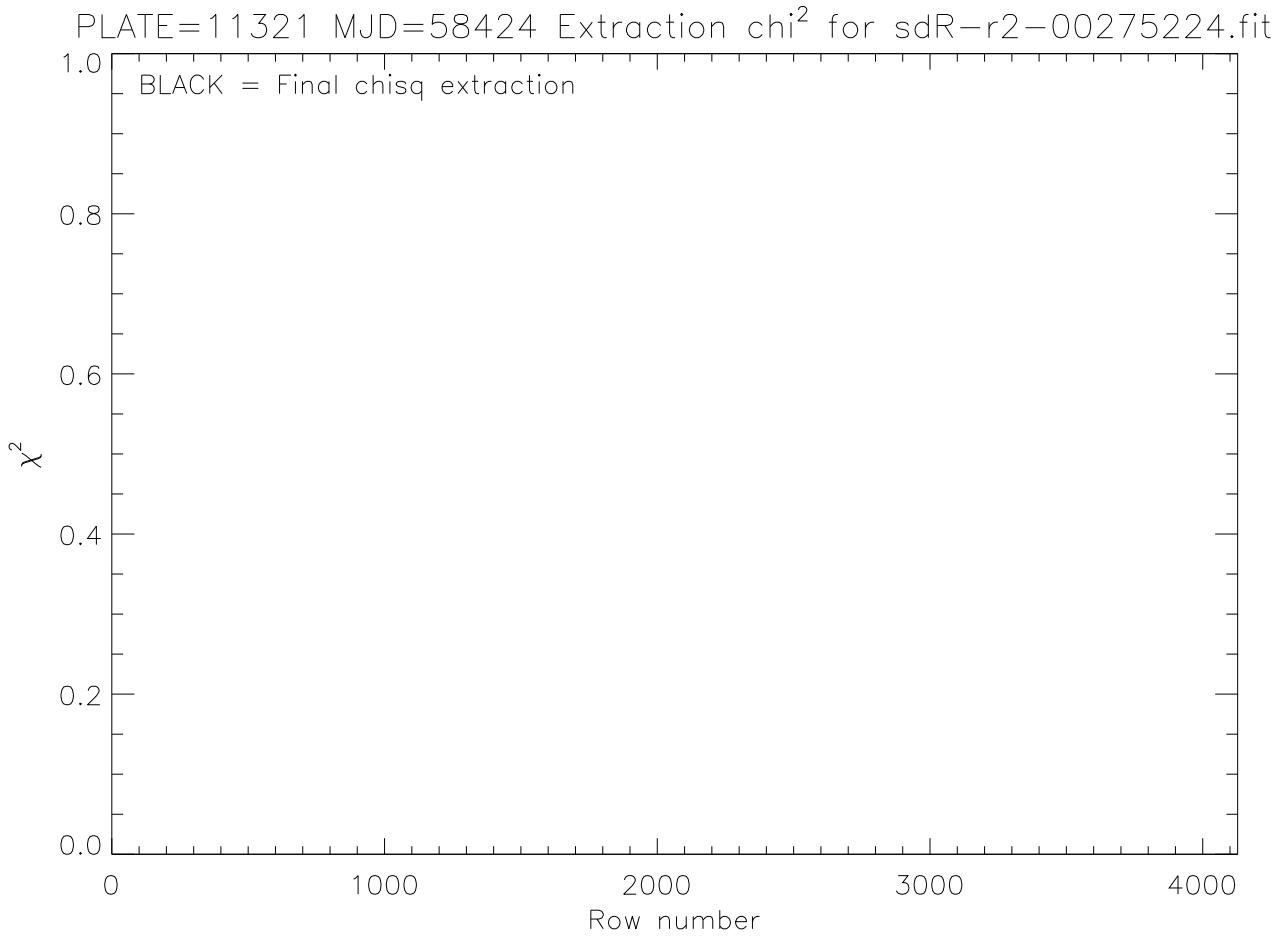
Number of sky fibers = 38

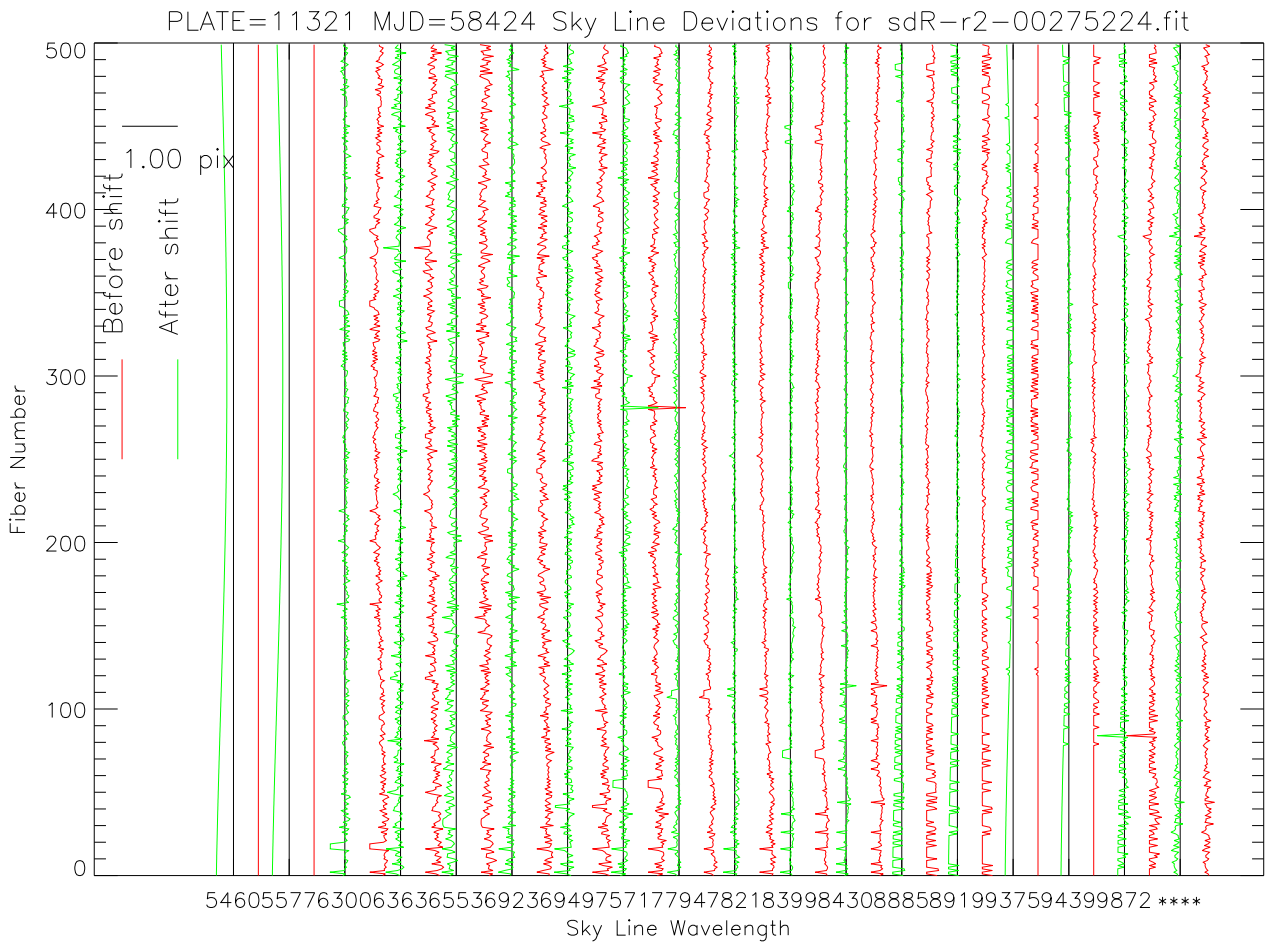


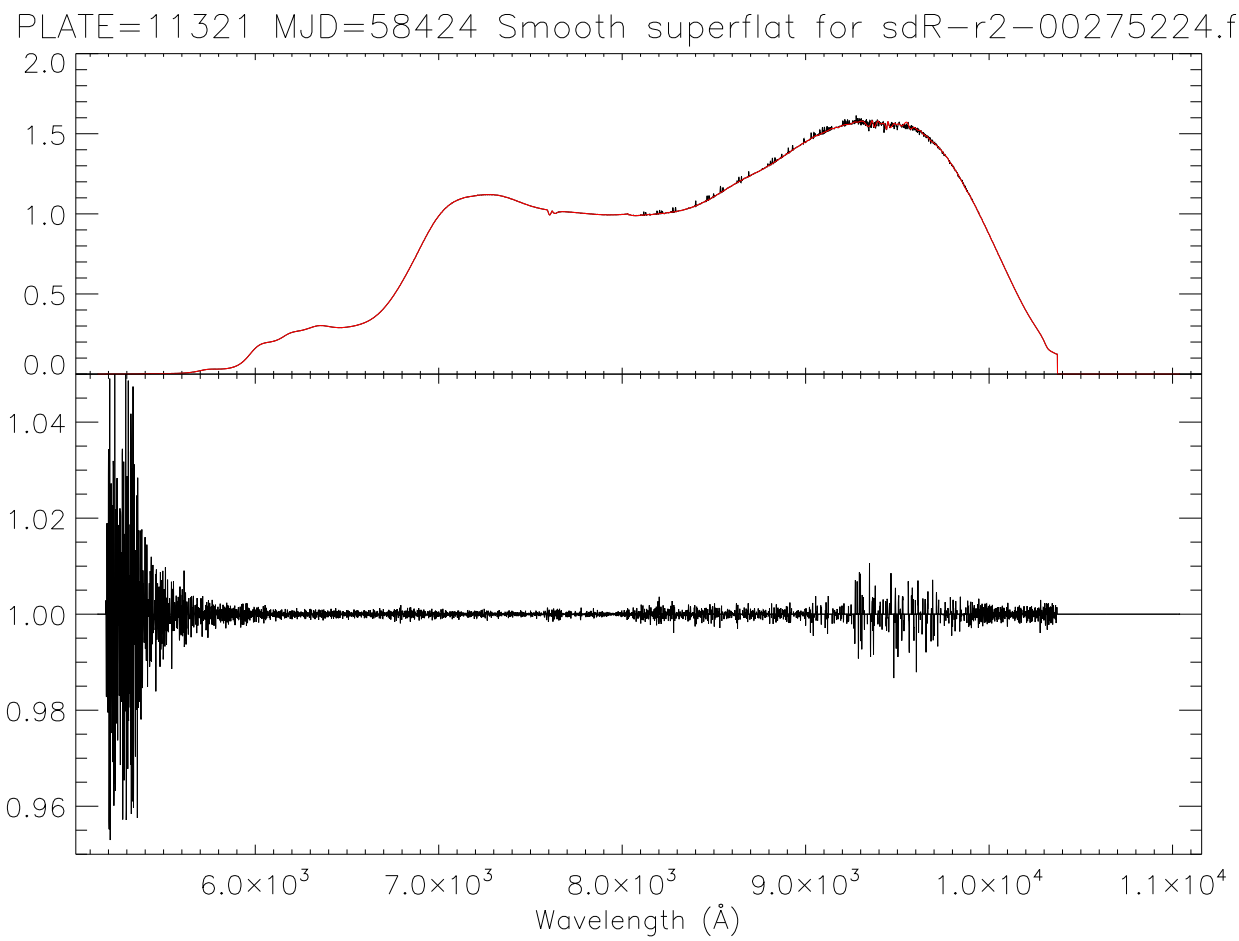

PLATE=11321 MJD=58424 sdR-r2-00275223.fit Skyline Flux at 7343,0
Flux (7343.0)/Airmass
RED = sky fiber
Dispersion = 2.21 %
Fiber number
Flux (7343.0)/Airmass
Focal Distance [mm]
Flux (7343.0)/Airmass
Airmass

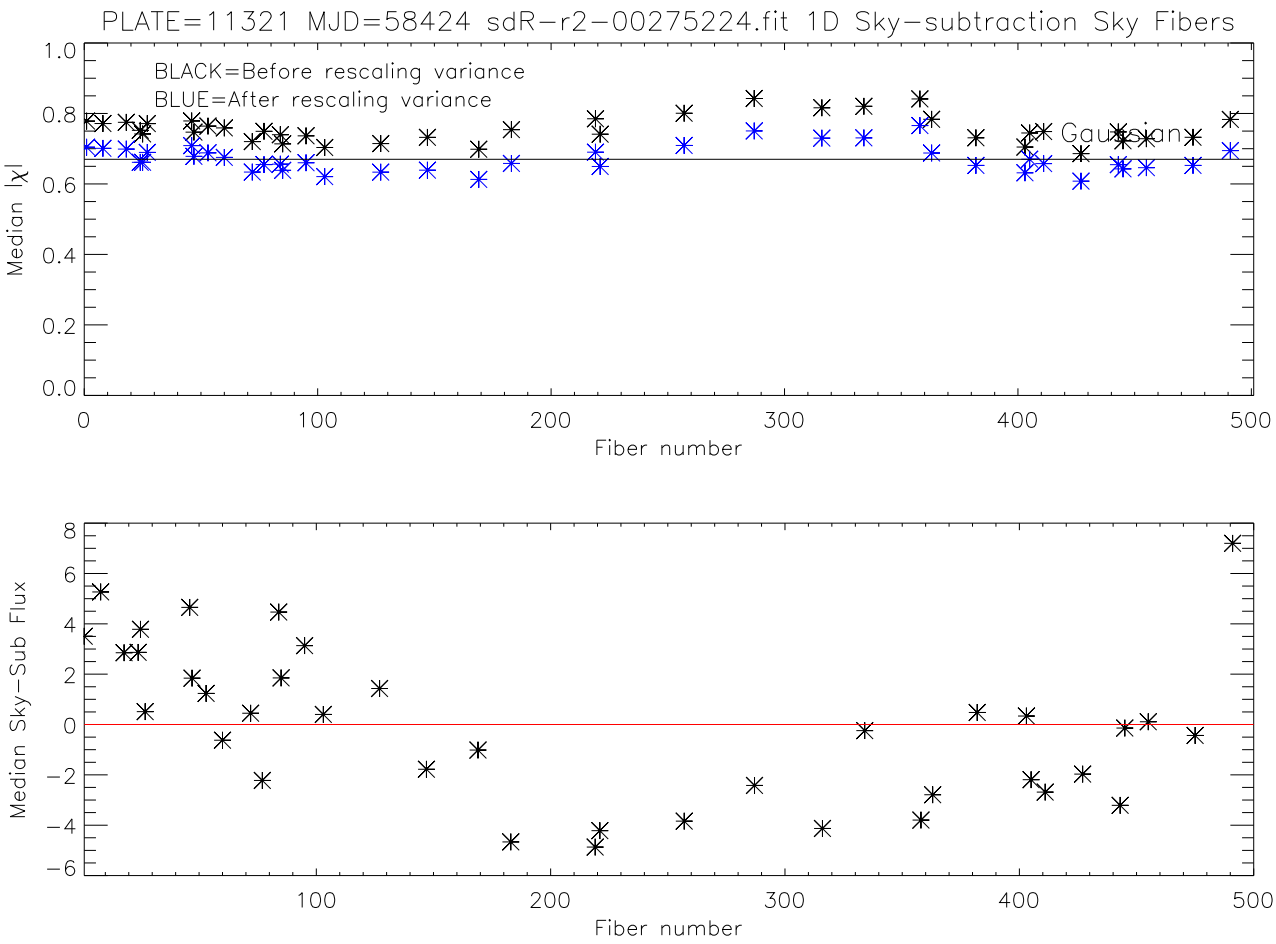

PLATE=11321 MJD=58424 sdR-r2-00275223.fit Skyline Flux at 8888.3
Flux (8888.3)/Airmass
Fiber number
RED = sky fiber
Dispersion = +2.16 %
Flux (8888.3)/Airmass
Focal Distance [mm]
Flux (8888.3)/Airmass
Airmass

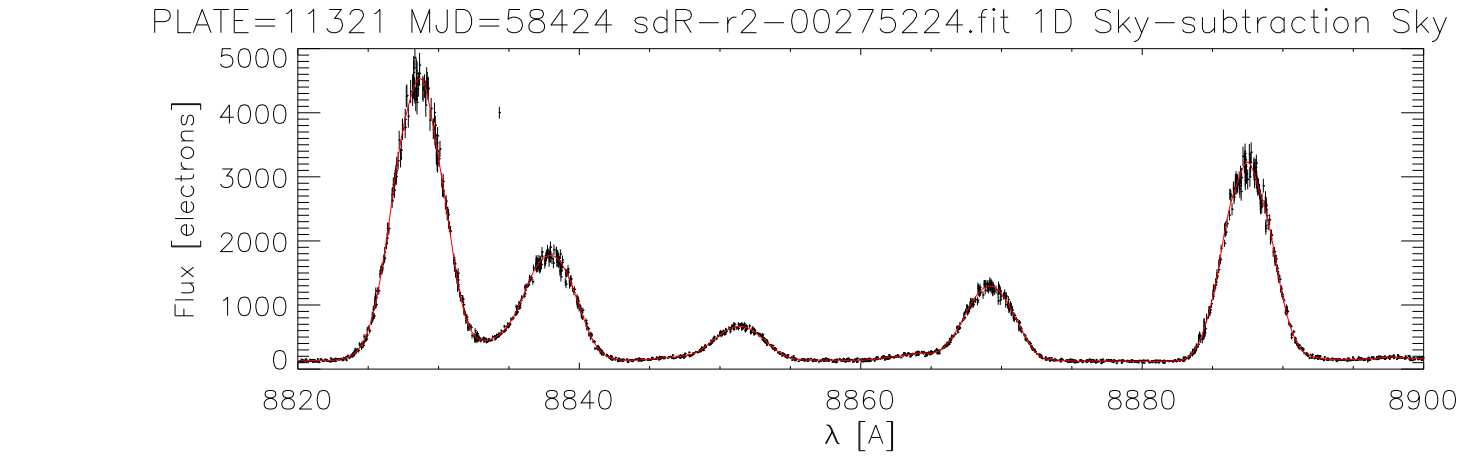

PLATE=11321 MJD=58424 Fiber-Flats for sdR-r2-00275219.fit
BLACK = Median value
ENVELOPE = 95% of points
GREEN = Outlier points
Min value = -1.633
Max value = 2.460
Fiber-Flat
1.5
1.0
0.5
0.0
6.0×10^3
7.0×10^3
8.0×10^3
9.0×10^3
1.0×10^4
1.1×10^4
λ [A]
Mon May 11 20:14:20 2020

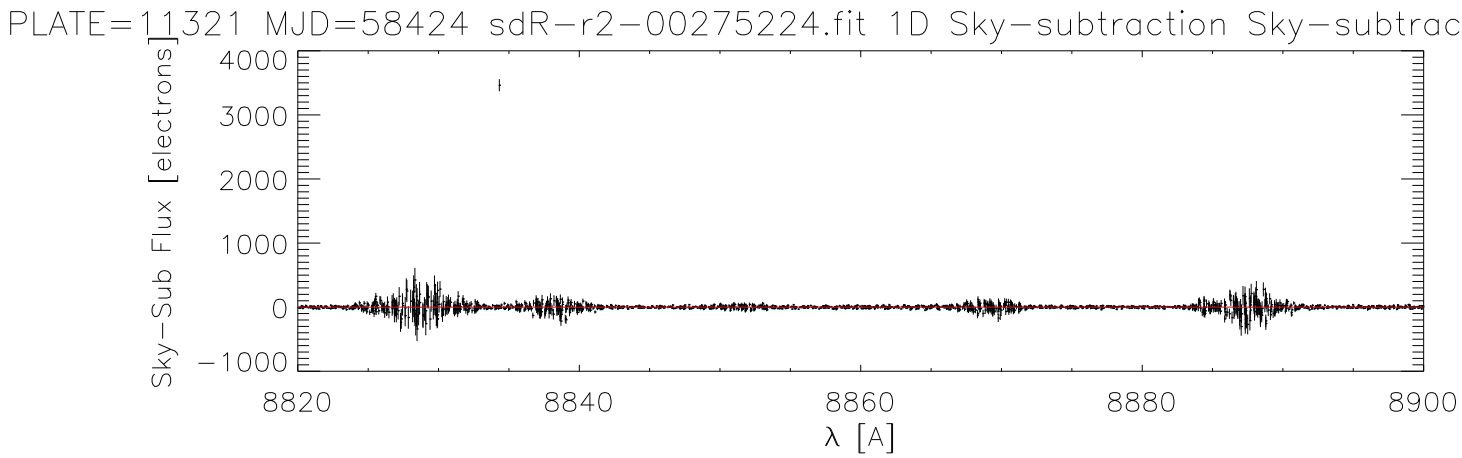

PLATE=11321 MJD=58424 Extraction chi^2 for sdR−r2−00275224.fit
BLACK = Final chisq extraction
1.0
0.8
0.6
0.4
0.2
0.0
χ^2
0
1000
2000
3000
4000
Row number


PLATE=11321 MJD=58424 Sky Line Deviations for sdR-r2-00275224.fit
Before shift
After shift
1.00 pix
Fiber Number
0
100
200
300
400
500
5460557763006363655369236949757177947821839984308885891993759439987 2 ****
Sky Line Wavelength

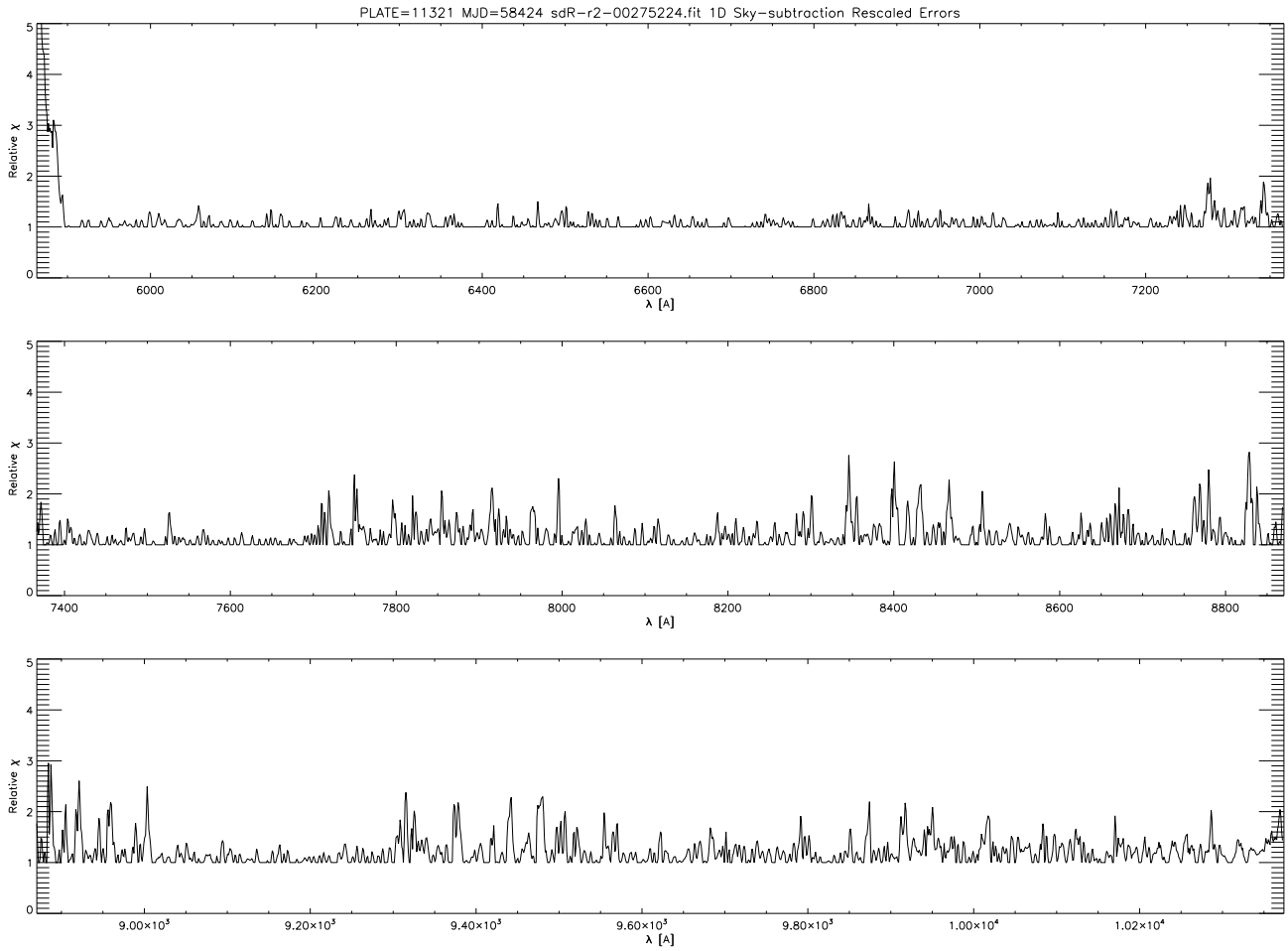

PLATE=11321 MJD=58424 Smooth superflat for sdR-r2-00275224.fit
2.0
1.5
1.0
0.5
0.0
1.04
1.02
1.00
0.98
0.96
6.0×10^3
7.0×10^3
8.0×10^3
9.0×10^3
1.0×10^4
1.1×10^4
Wavelength (Å)

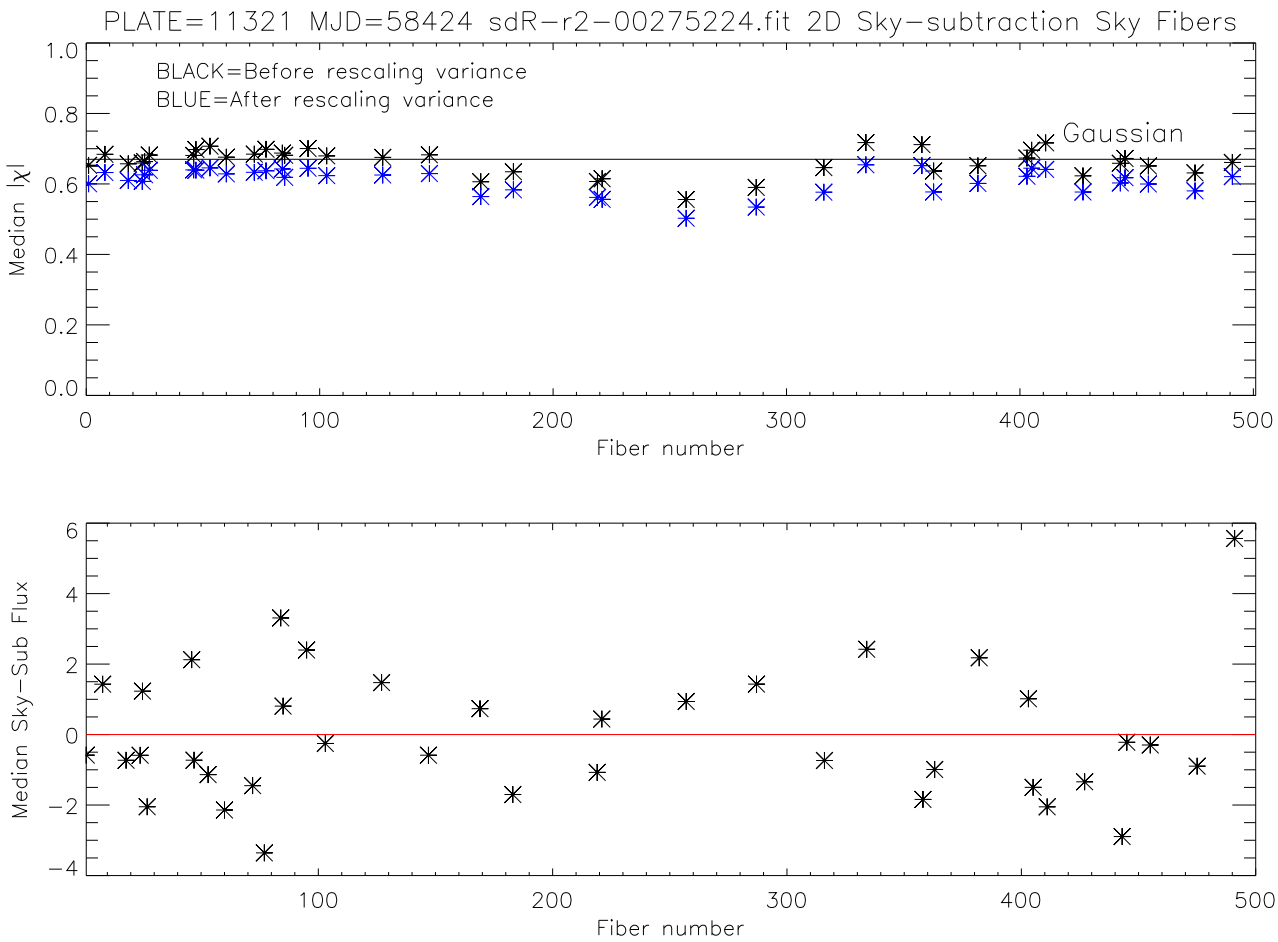

PLATE=11321 MJD=58424 sdR-r2-00275224.fit 1D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

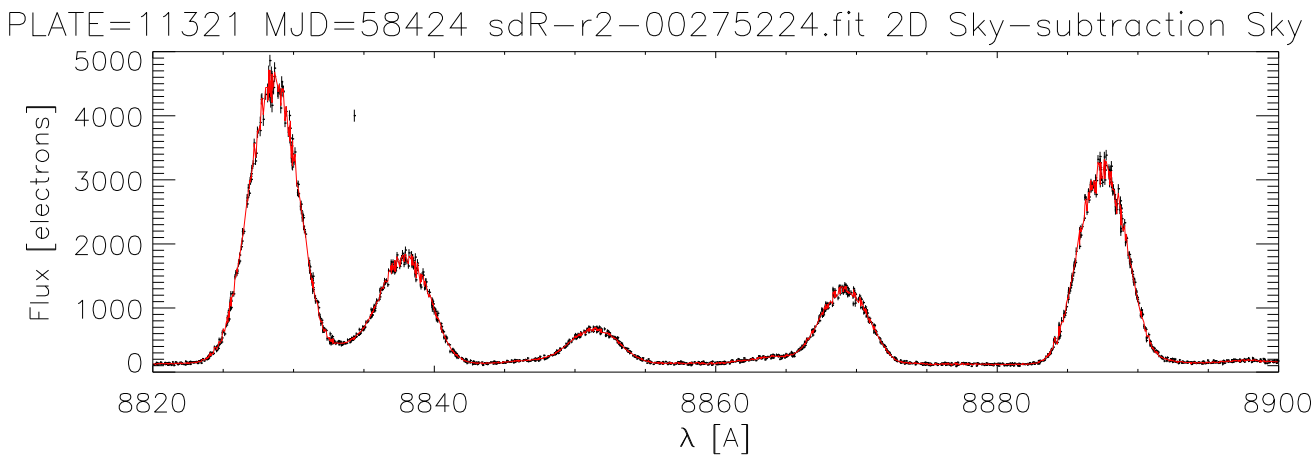

PLATE=11321 MJD=58424 sdR-r2-00275224.fit 1D Sky-subtraction Sky Fibers
Flux [electrons]
5000
4000
3000
2000
1000
0
8820
8840
8860
8880
8900
λ [A]

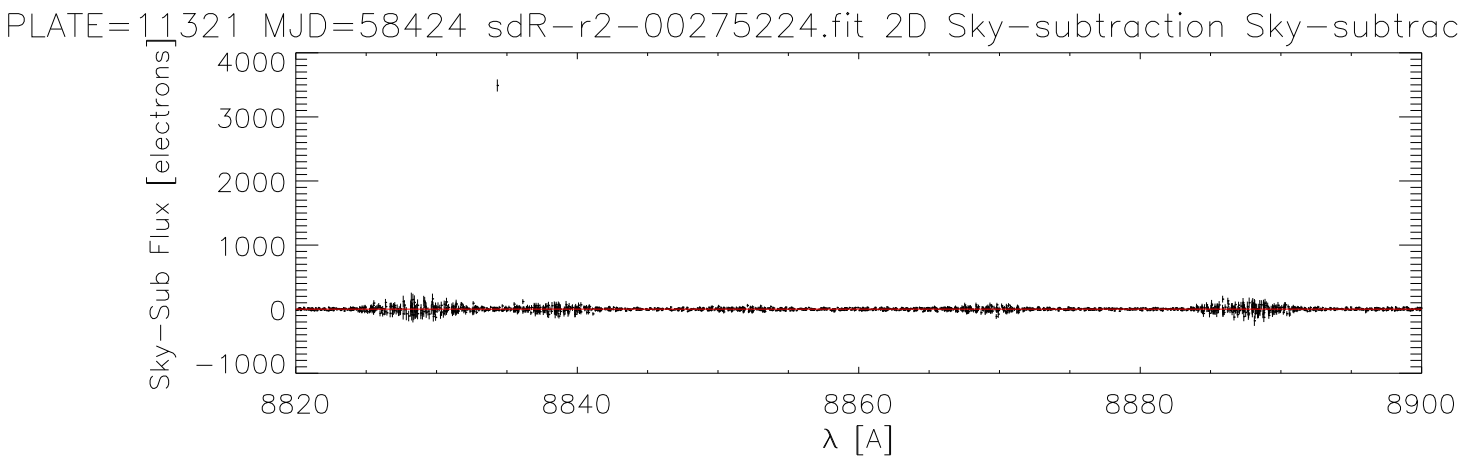

PLATE=11321 MJD=58424 sdR-r2-00275224.fit 1D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
4000
3000
2000
1000
0
-1000
8820
8840
8860
8880
8900
λ [A]

Number of sky fibers = 38

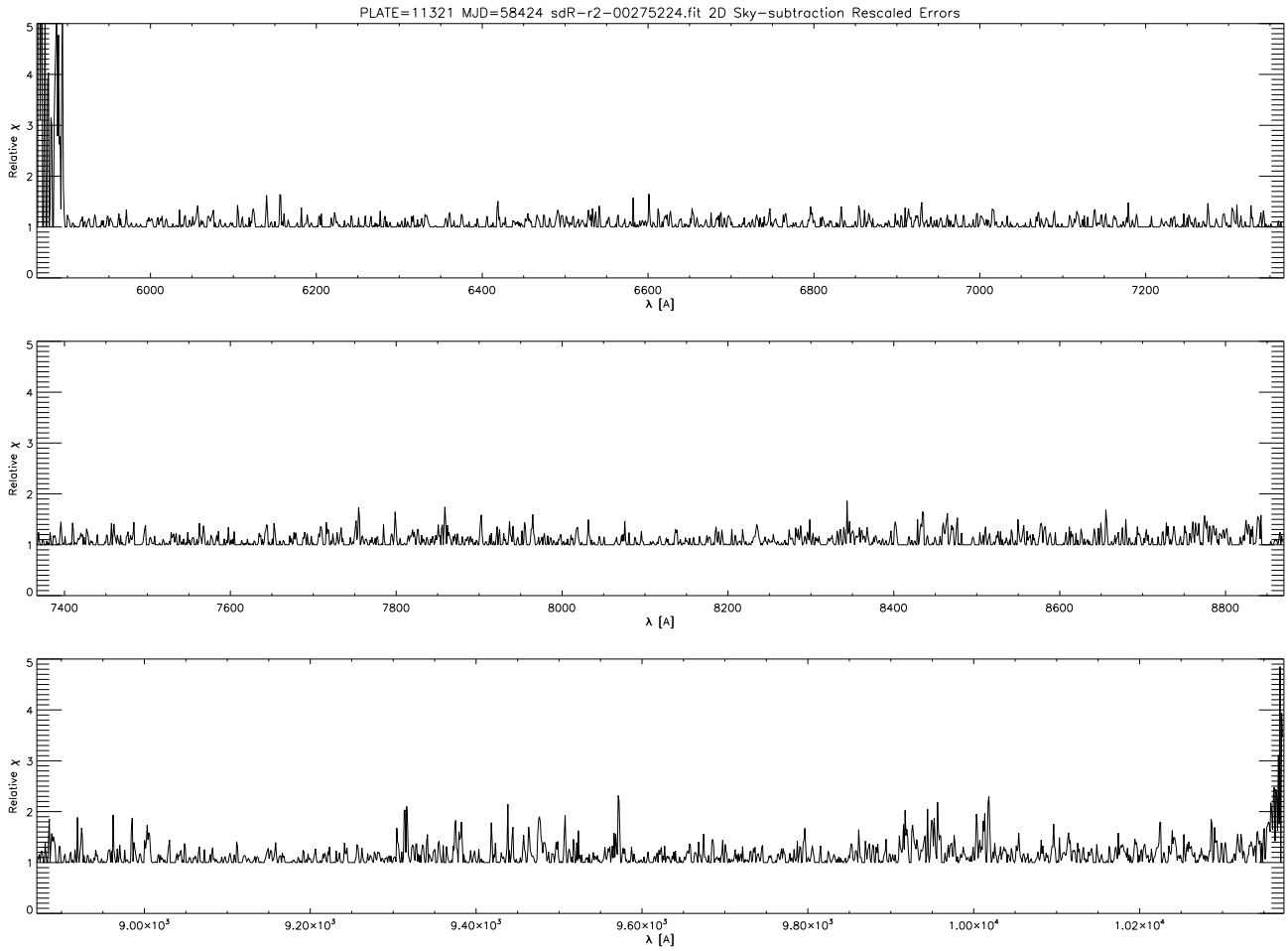


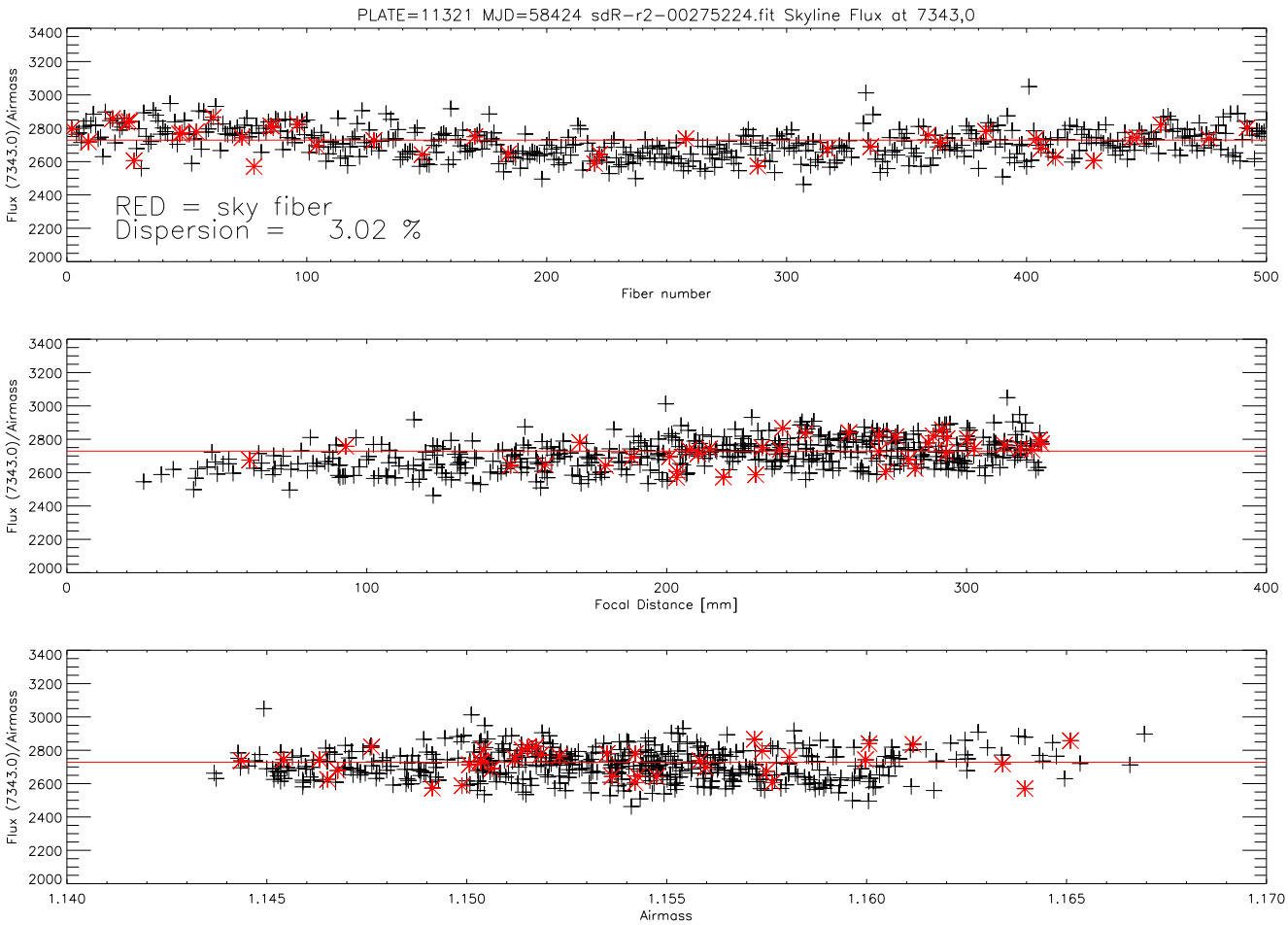

PLATE=11321 MJD=58424 sdR-r2-00275224.fit 2D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

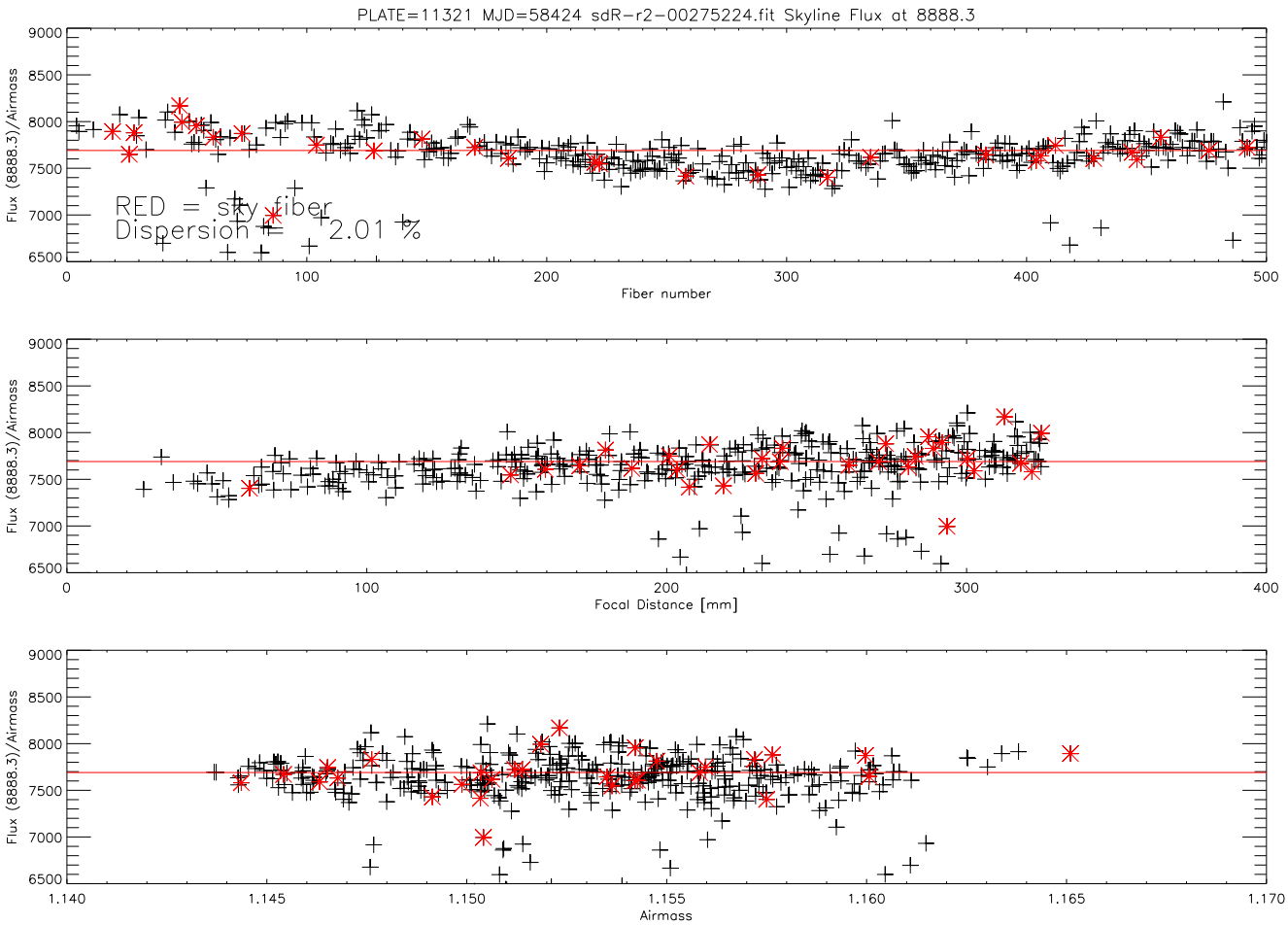

PLATE=11321 MJD=58424 sdR-r2-00275224.fit 2D Sky-subtraction Sky Fibers
Flux [electrons]
5000
4000
3000
2000
1000
0
8820
8840
8860
8880
8900
λ [A]

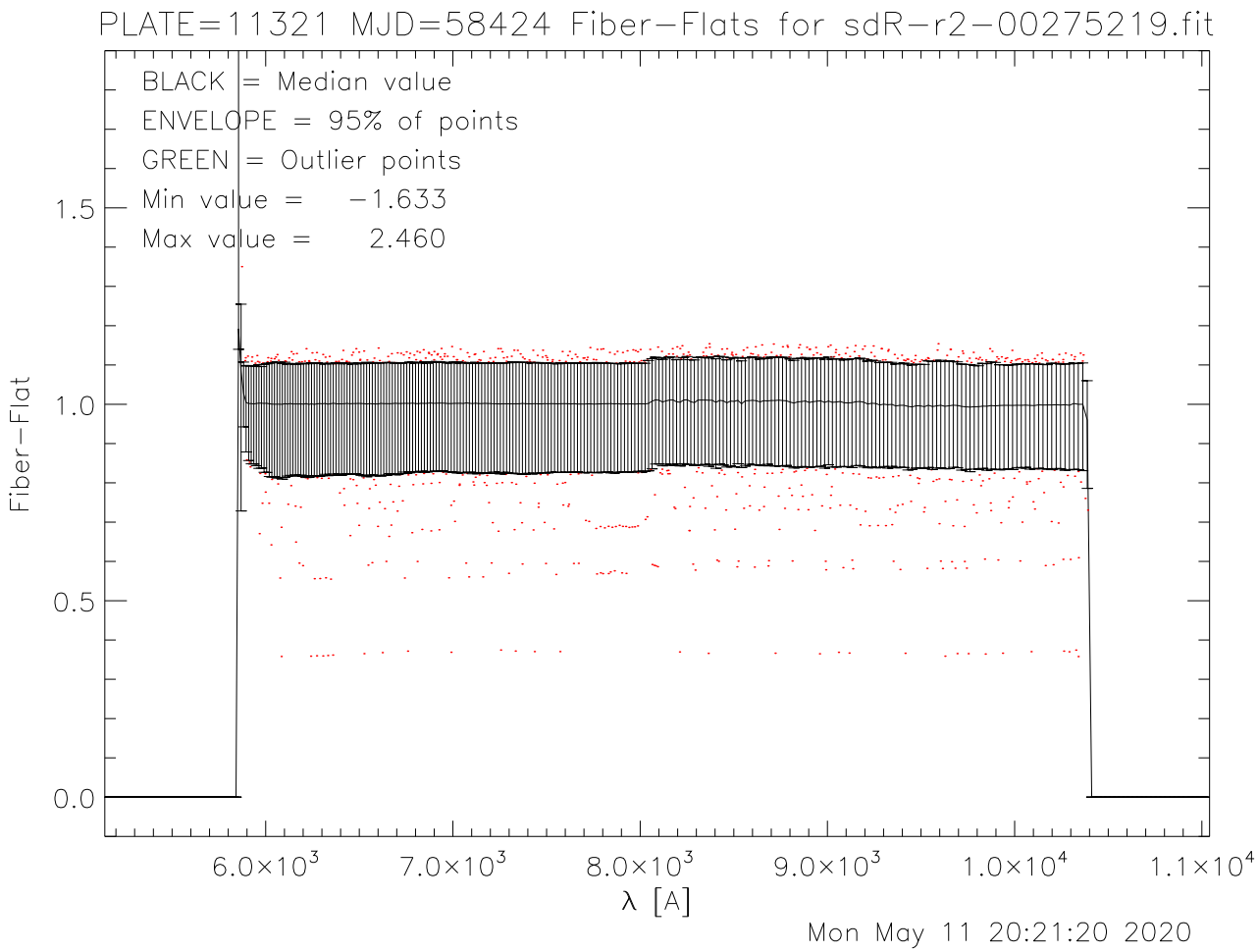

PLATE=11321 MJD=58424 sdR-r2-00275224.fit 2D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
4000
3000
2000
1000
0
-1000
8820
8840
8860
8880
8900
λ [A]

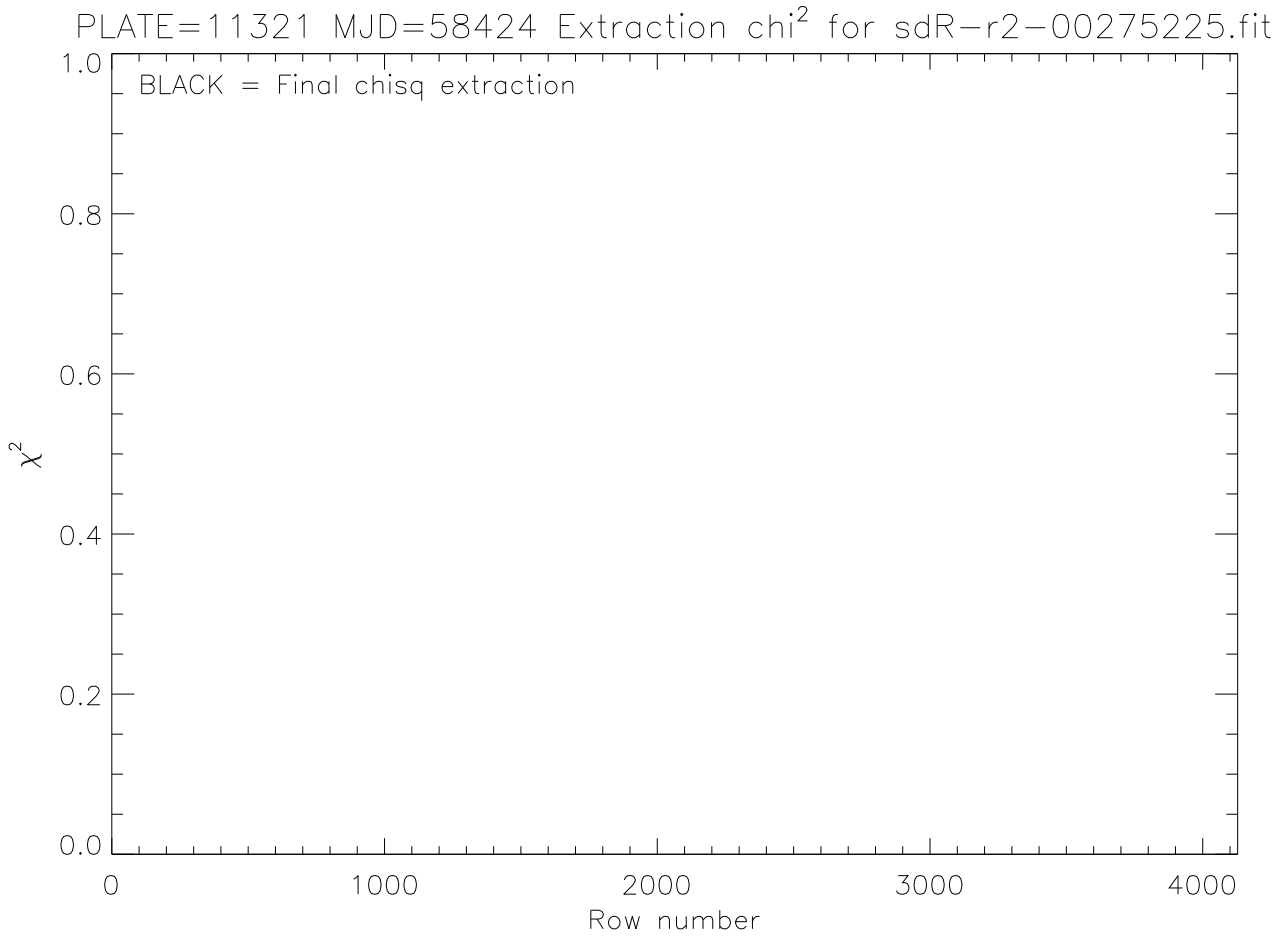
Number of sky fibers = 38

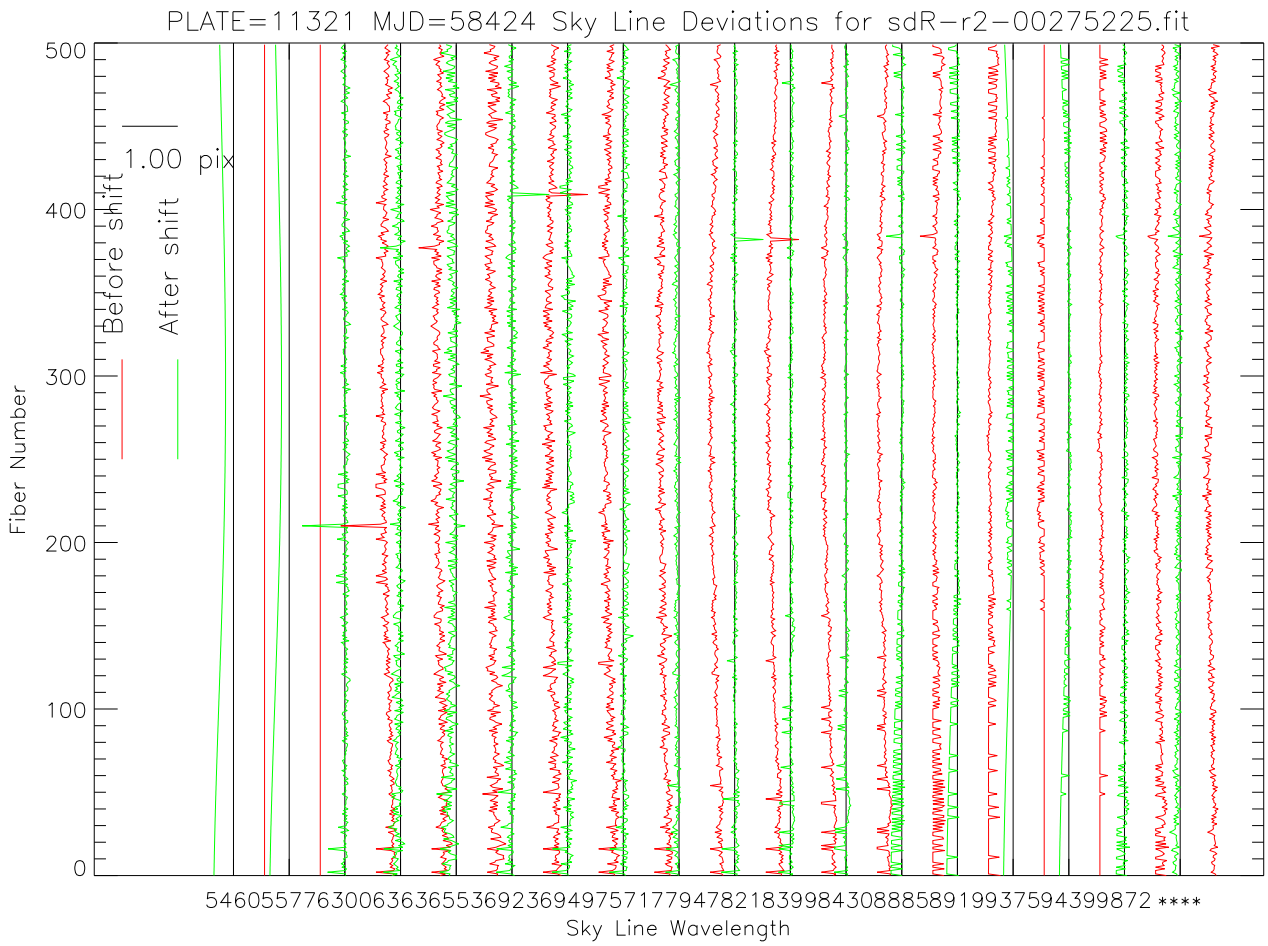


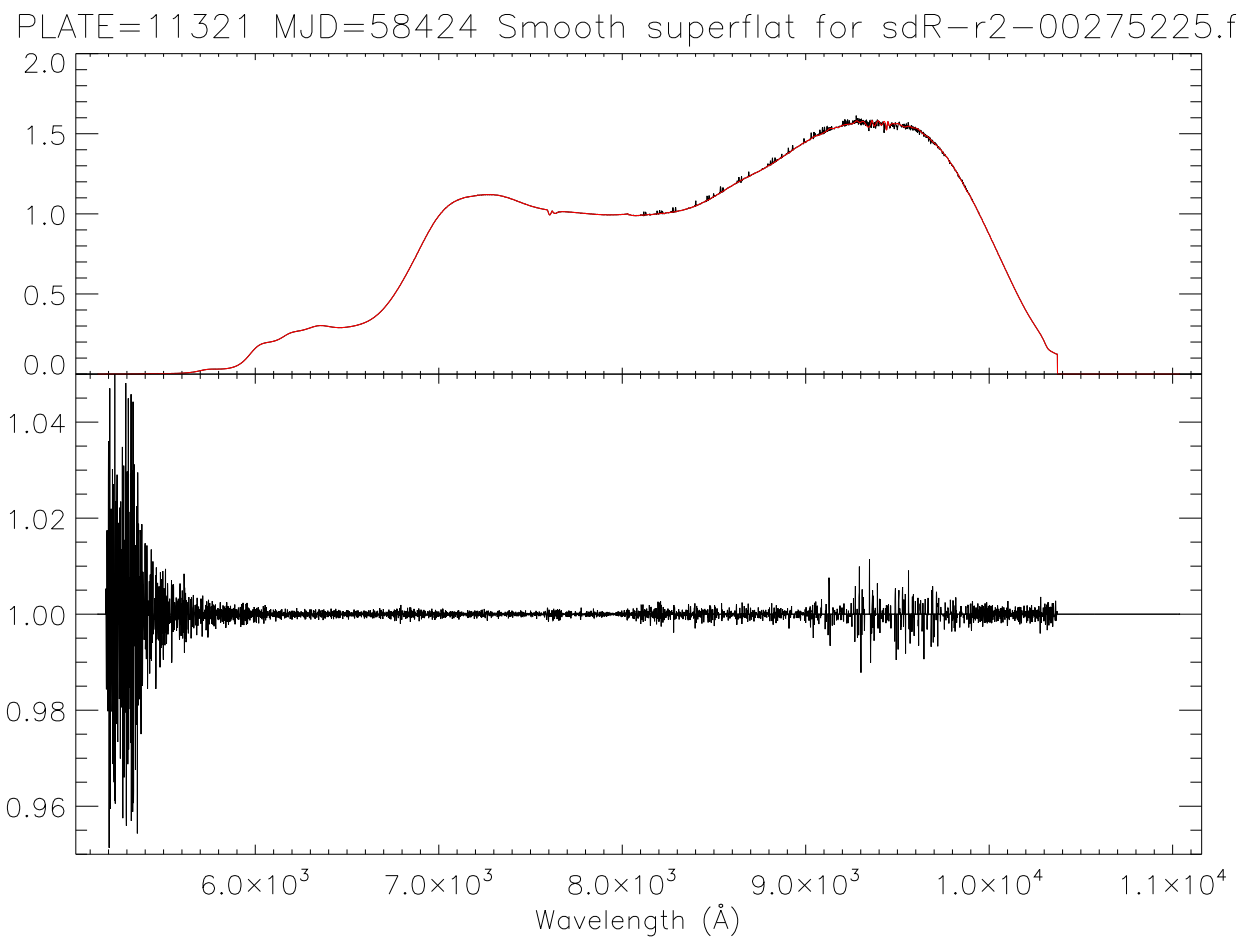

PLATE=11321 MJD=58424 sdR-r2-00275224.fit Skyline Flux at 7343,0
Flux (7343.0)/Airmass
RED = sky fiber
Dispersion = 3.02 %
Fiber number
Flux (7343.0)/Airmass
Focal Distance [mm]
Flux (7343.0)/Airmass
Airmass

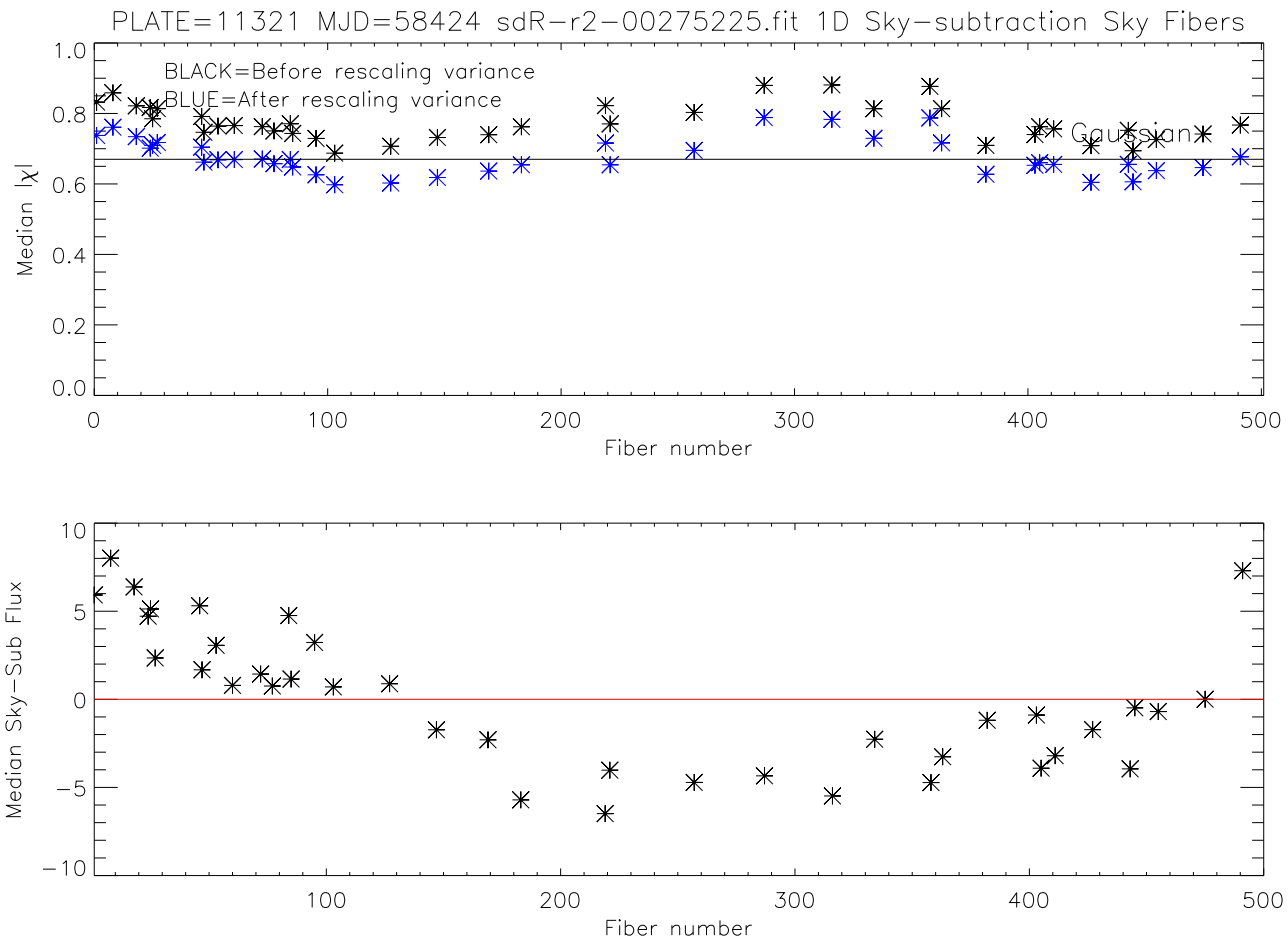

PLATE=11321 MJD=58424 sdR-r2-00275224.fit Skyline Flux at 8888.3
Flux (8888.3)/Airmass
Fiber number
RED = sky fiber
Dispersion = 2.01 %
Flux (8888.3)/Airmass
Focal Distance [mm]
Flux (8888.3)/Airmass
Airmass

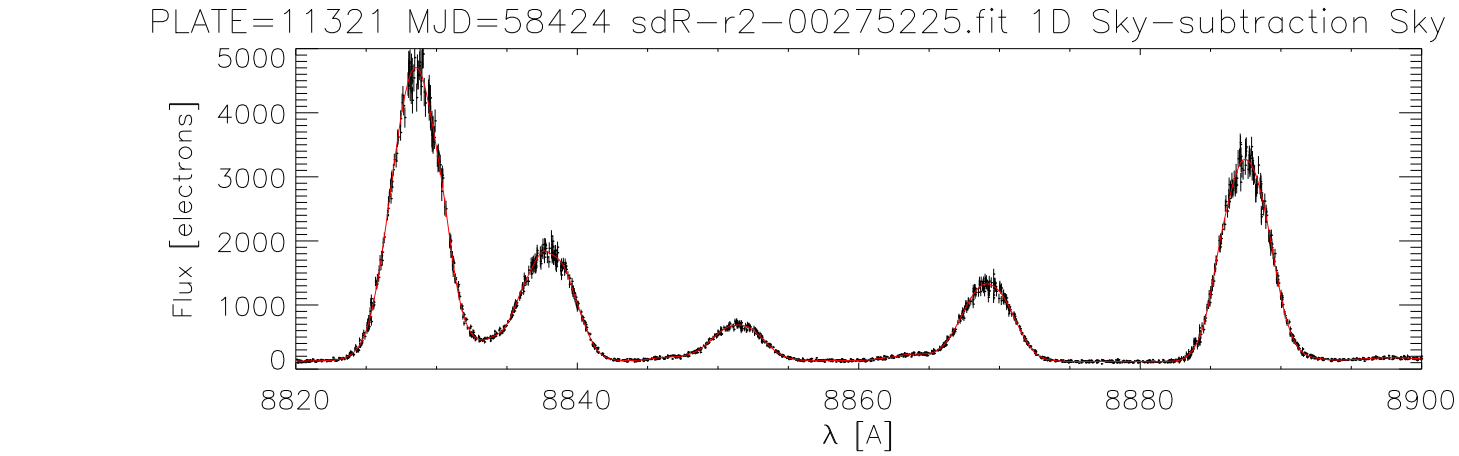

PLATE=11321 MJD=58424 Fiber-Flats for sdR-r2-00275219.fit
BLACK = Median value
ENVELOPE = 95% of points
GREEN = Outlier points
Min value = -1.633
Max value = 2.460
Fiber-Flat
1.5
1.0
0.5
0.0
6.0×10^3
7.0×10^3
8.0×10^3
9.0×10^3
1.0×10^4
1.1×10^4
λ [A]
Mon May 11 20:21:20 2020

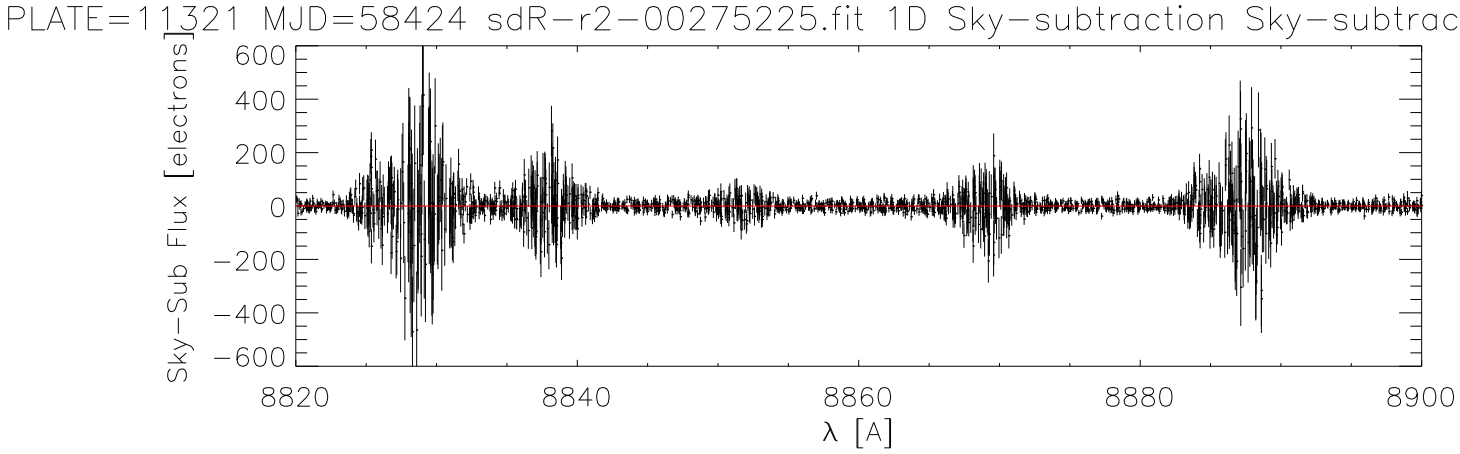

PLATE=11321 MJD=58424 Extraction chi^2 for sdR−r2−00275225.fit
BLACK = Final chisq extraction
1.0
0.8
0.6
0.4
0.2
0.0
χ^2
0
1000
2000
3000
4000
Row number


PLATE=11321 MJD=58424 Sky Line Deviations for sdR-r2-00275225.fit
Before shift
After shift
1.00 pix
Fiber Number
0
100
200
300
400
500
5460557763006363655369236949757177947821839984308885891993759439987 2 ****
Sky Line Wavelength

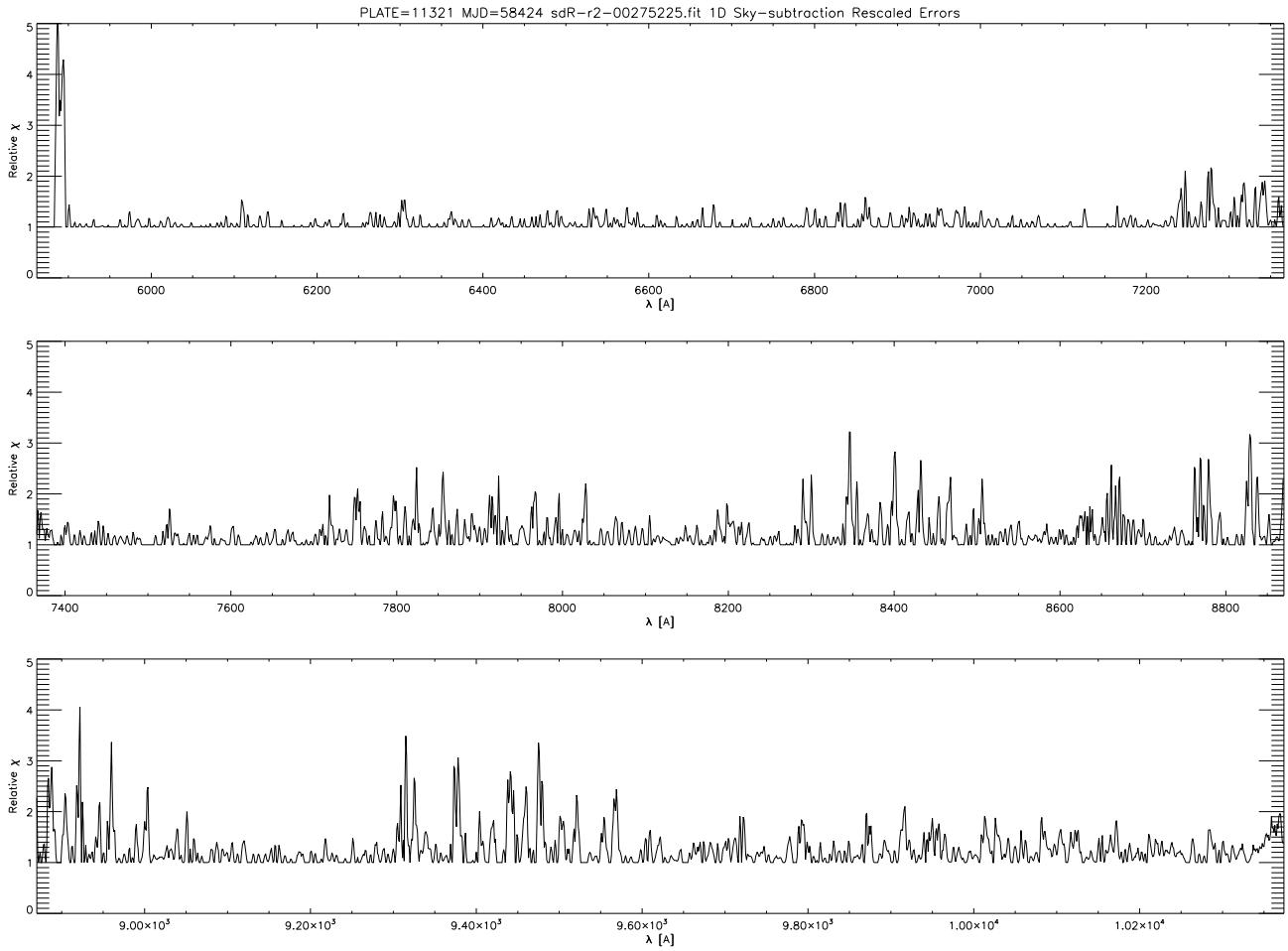

PLATE=11321 MJD=58424 Smooth superflat for sdR-r2-00275225.fit
2.0
1.5
1.0
0.5
0.0
1.04
1.02
1.00
0.98
0.96
6.0×10^3
7.0×10^3
8.0×10^3
9.0×10^3
1.0×10^4
1.1×10^4
Wavelength (Å)

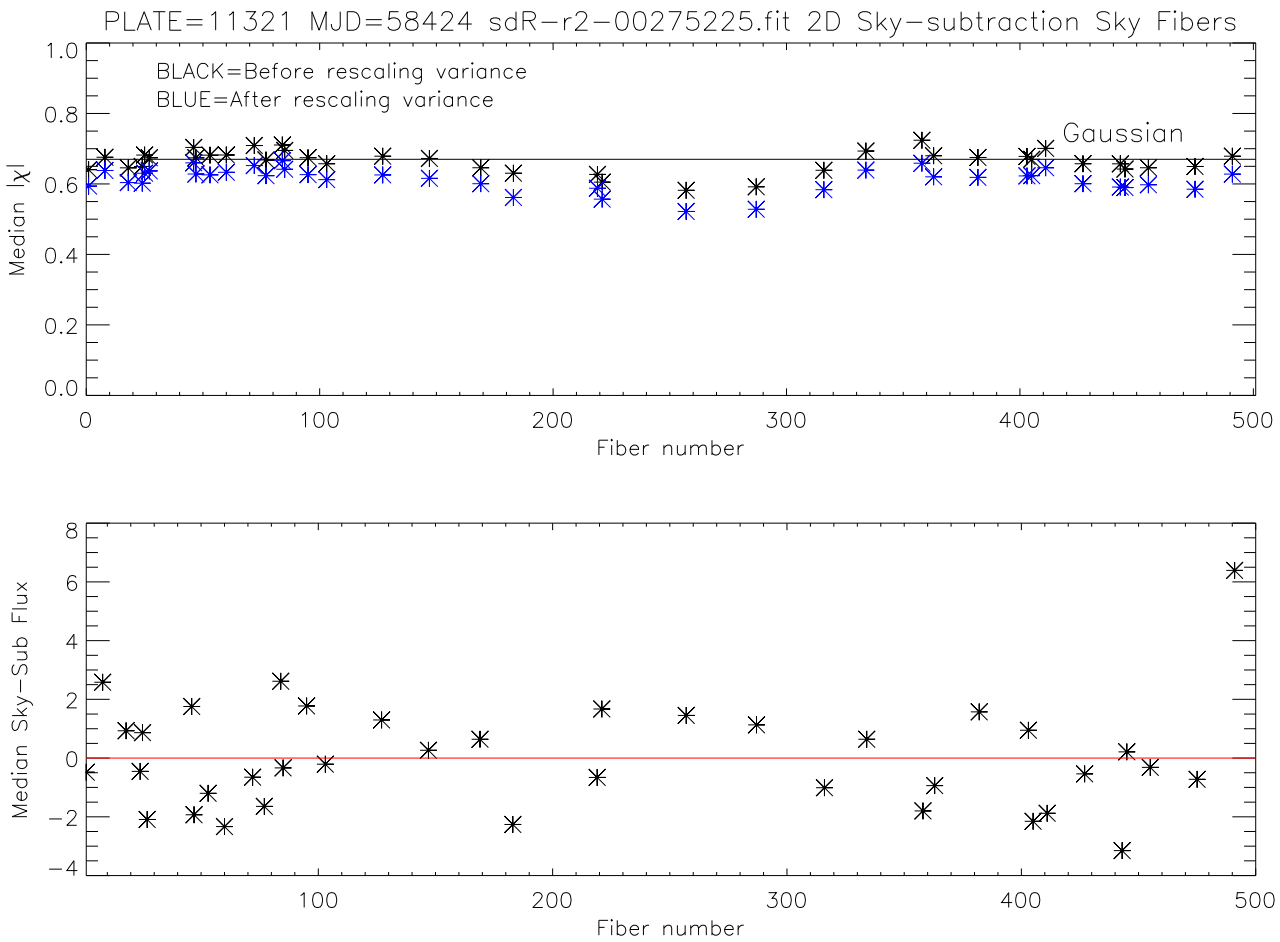

PLATE=11321 MJD=58424 sdR-r2-00275225.fit 1D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

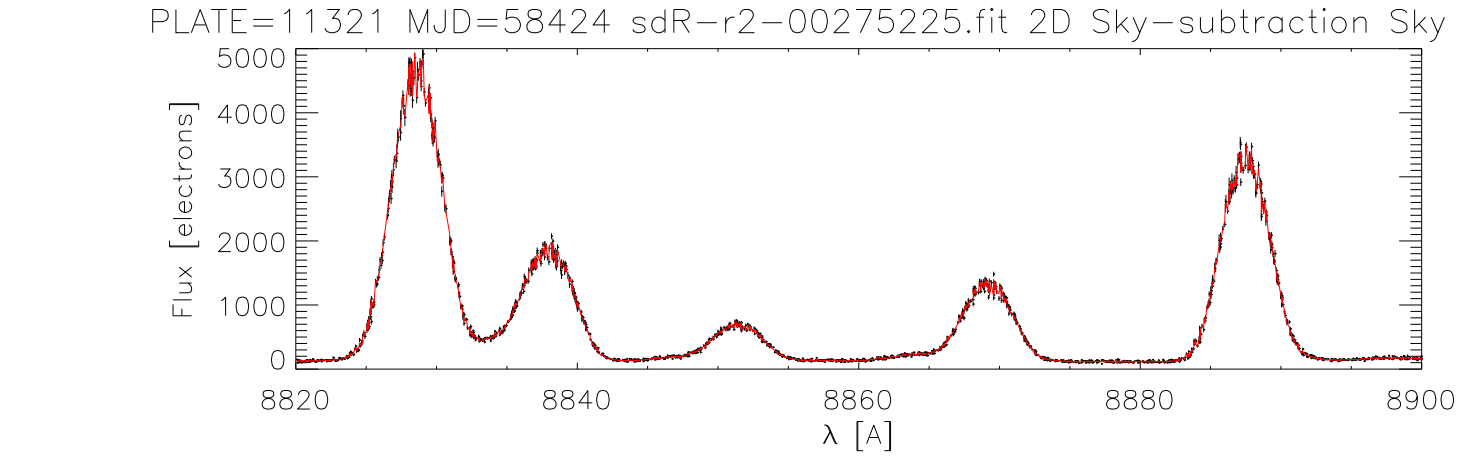

PLATE=11321 MJD=58424 sdR-r2-00275225.fit 1D Sky-subtraction Sky Fibers
Flux [electrons]
5000
4000
3000
2000
1000
0
8820
8840
8860
8880
8900
λ [A]

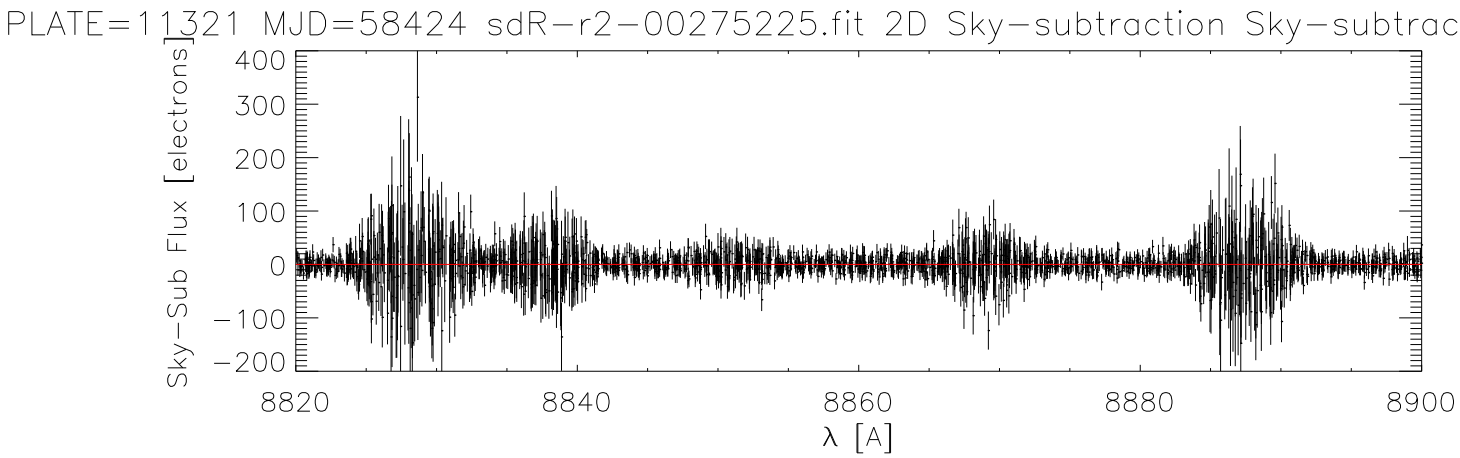

PLATE=11321 MJD=58424 sdR-r2-00275225.fit 1D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
600
400
200
0
-200
-400
-600
8820
8840
8860
8880
8900
λ [A]

Number of sky fibers = 38

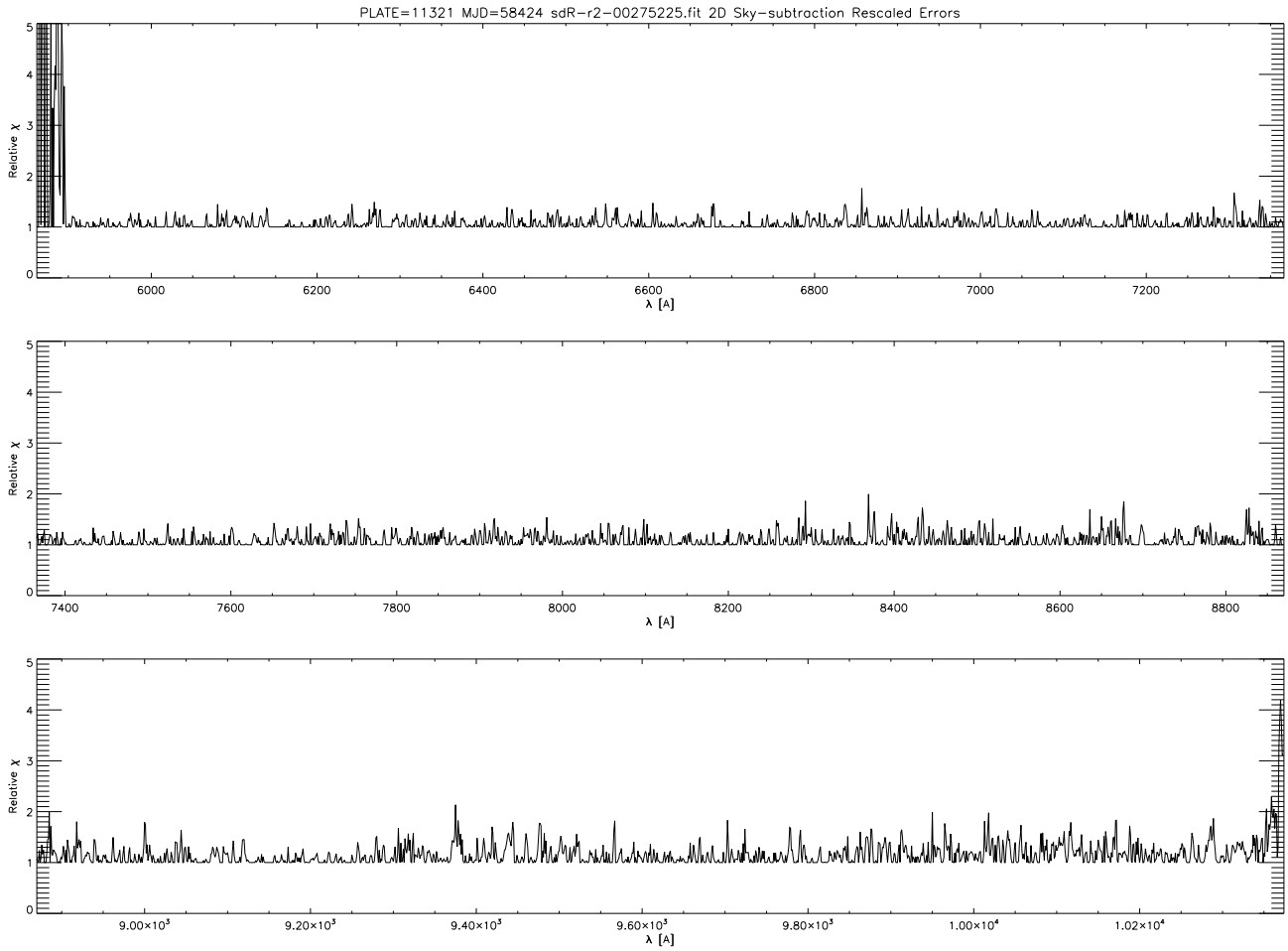


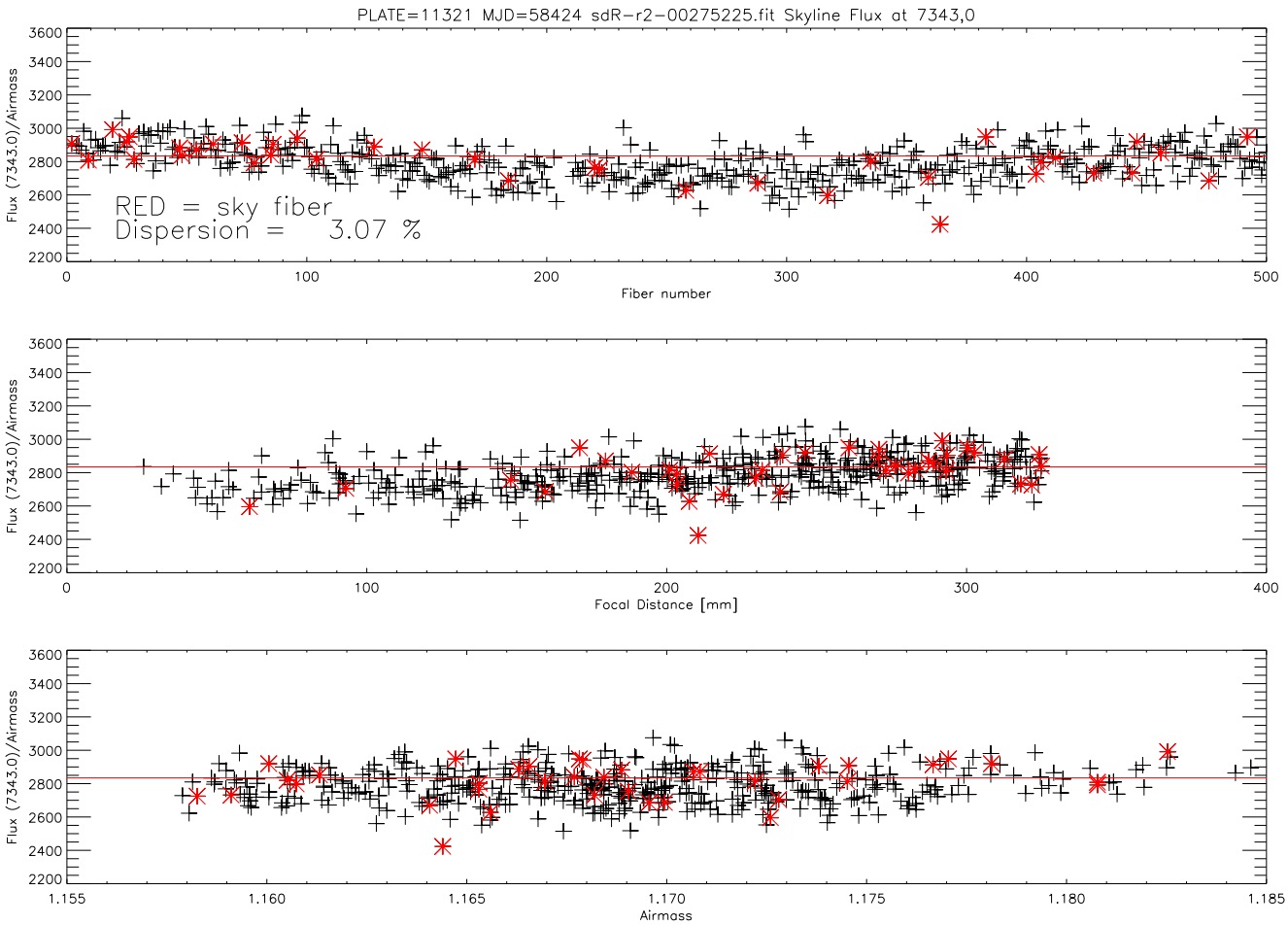

PLATE=11321 MJD=58424 sdR-r2-00275225.fit 2D Sky-subtraction Sky Fibers
BLACK=Before rescaling variance
BLUE=After rescaling variance
Gaussian
Median |χ|
Fiber number
Median Sky-Sub Flux
Fiber number

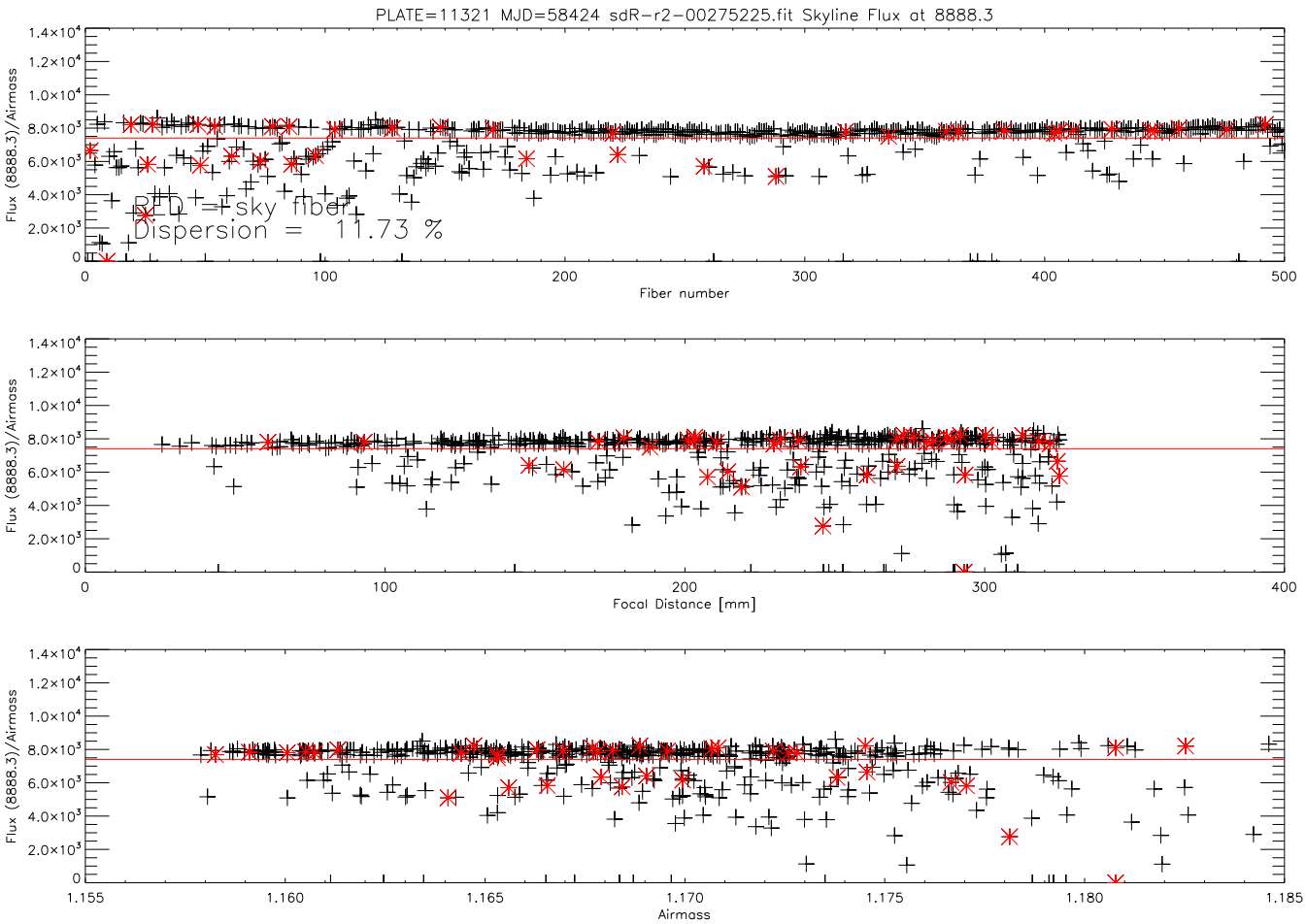

PLATE=11321 MJD=58424 sdR-r2-00275225.fit 2D Sky-subtraction Sky Fibers
Flux [electrons]
5000
4000
3000
2000
1000
0
8820
8840
8860
8880
8900
λ [A]


PLATE=11321 MJD=58424 sdR-r2-00275225.fit 2D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
400
300
200
100
0
-100
-200
8820
8840
8860
8880
8900
λ [A]

Number of sky fibers = 38




PLATE=11321 MJD=58424 sdR-r2-00275225.fit Skyline Flux at 7343,0
Flux (7343.0)/Airmass
RED = sky fiber
Dispersion = 3.07 %
Fiber number
Flux (7343.0)/Airmass
Focal Distance [mm]
Flux (7343.0)/Airmass
Airmass


PLATE=11321 MJD=58424 sdR-r2-00275225.fit Skyline Flux at 8888.3
Flux (8888.3)/Airmass
Fiber number
Red =sky fiber
Dispersion = 11.73 %
Flux (8888.3)/Airmass
Focal Distance [mm]
Flux (8888.3)/Airmass
Airmass