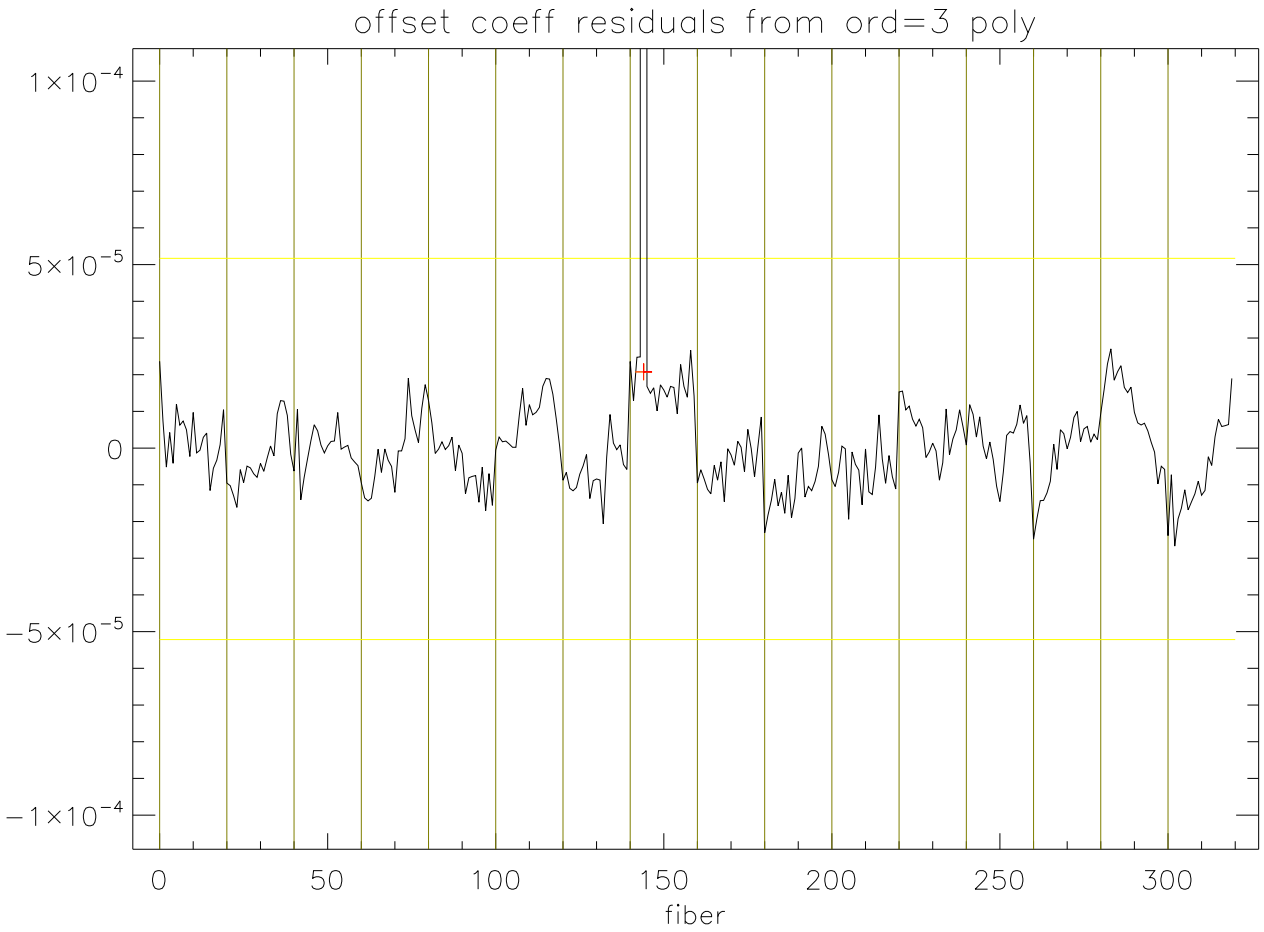
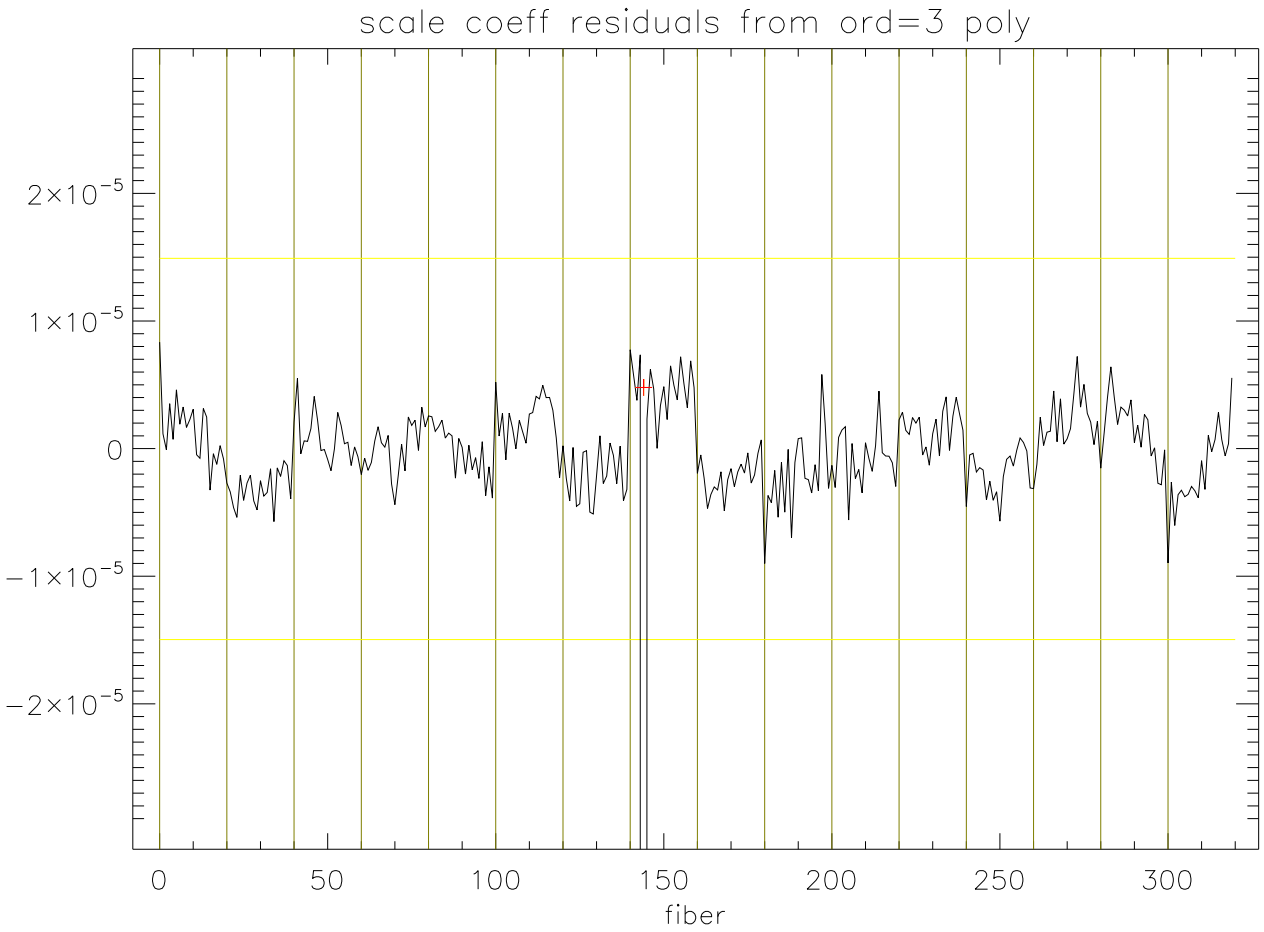
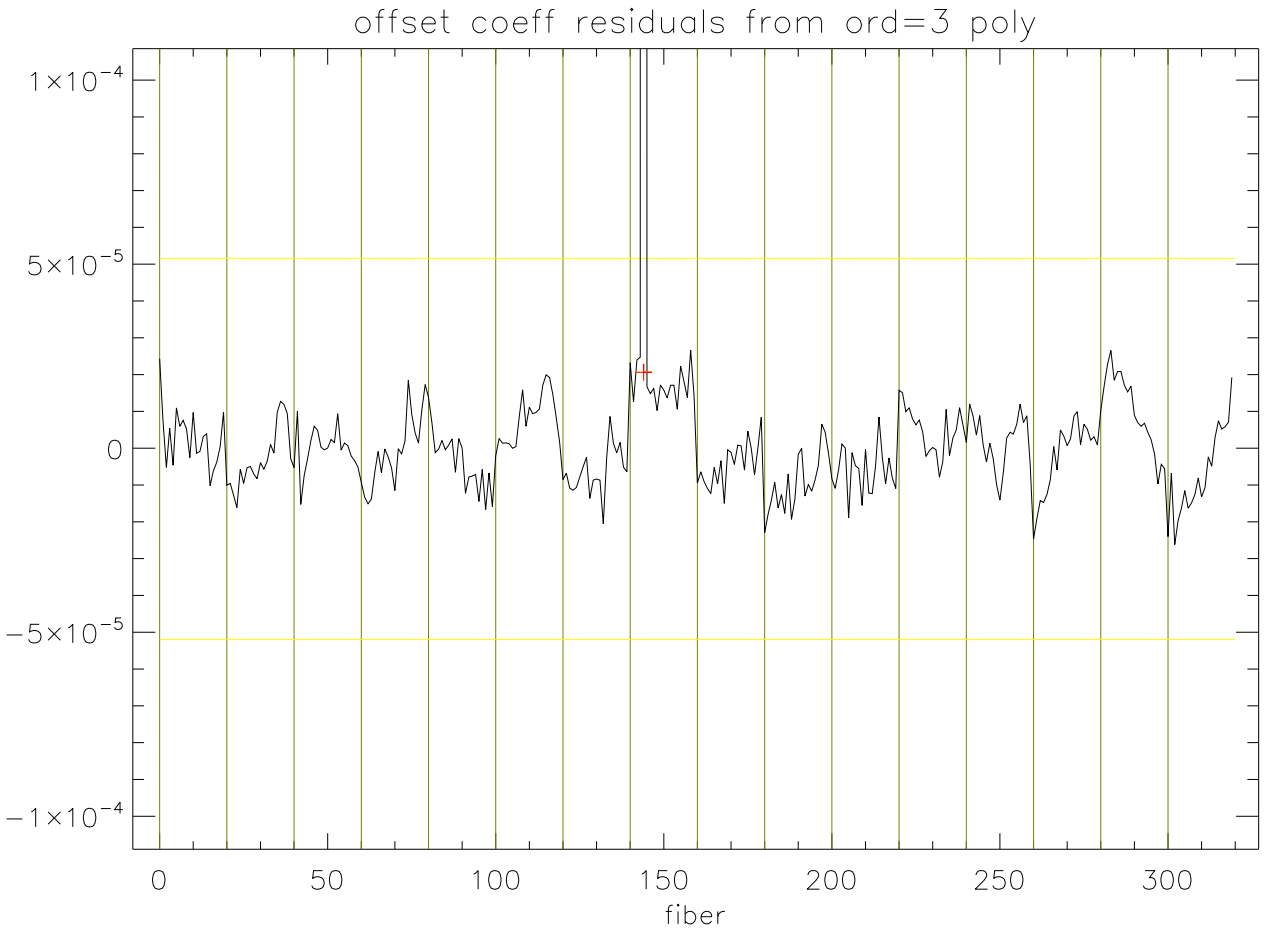
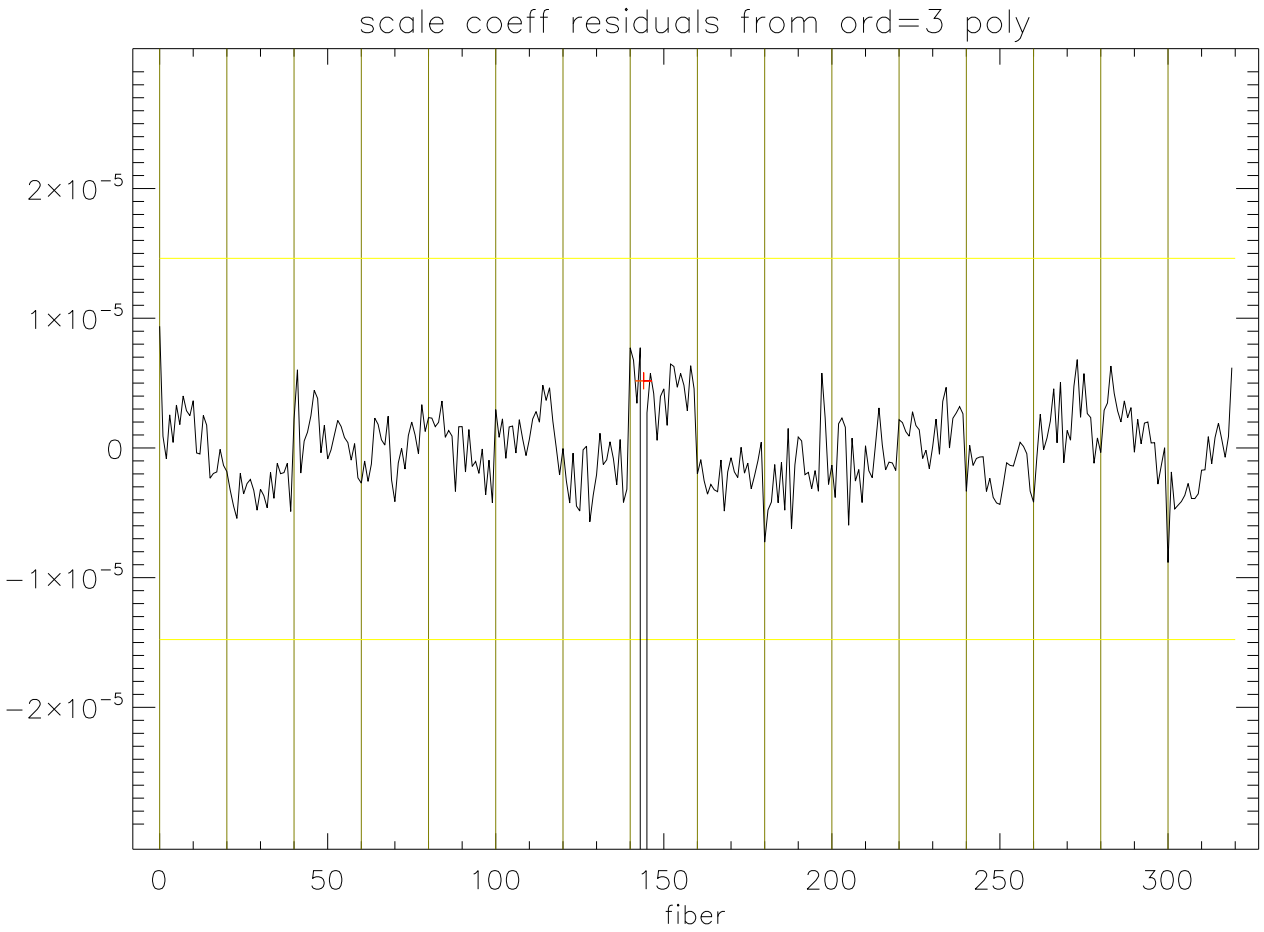
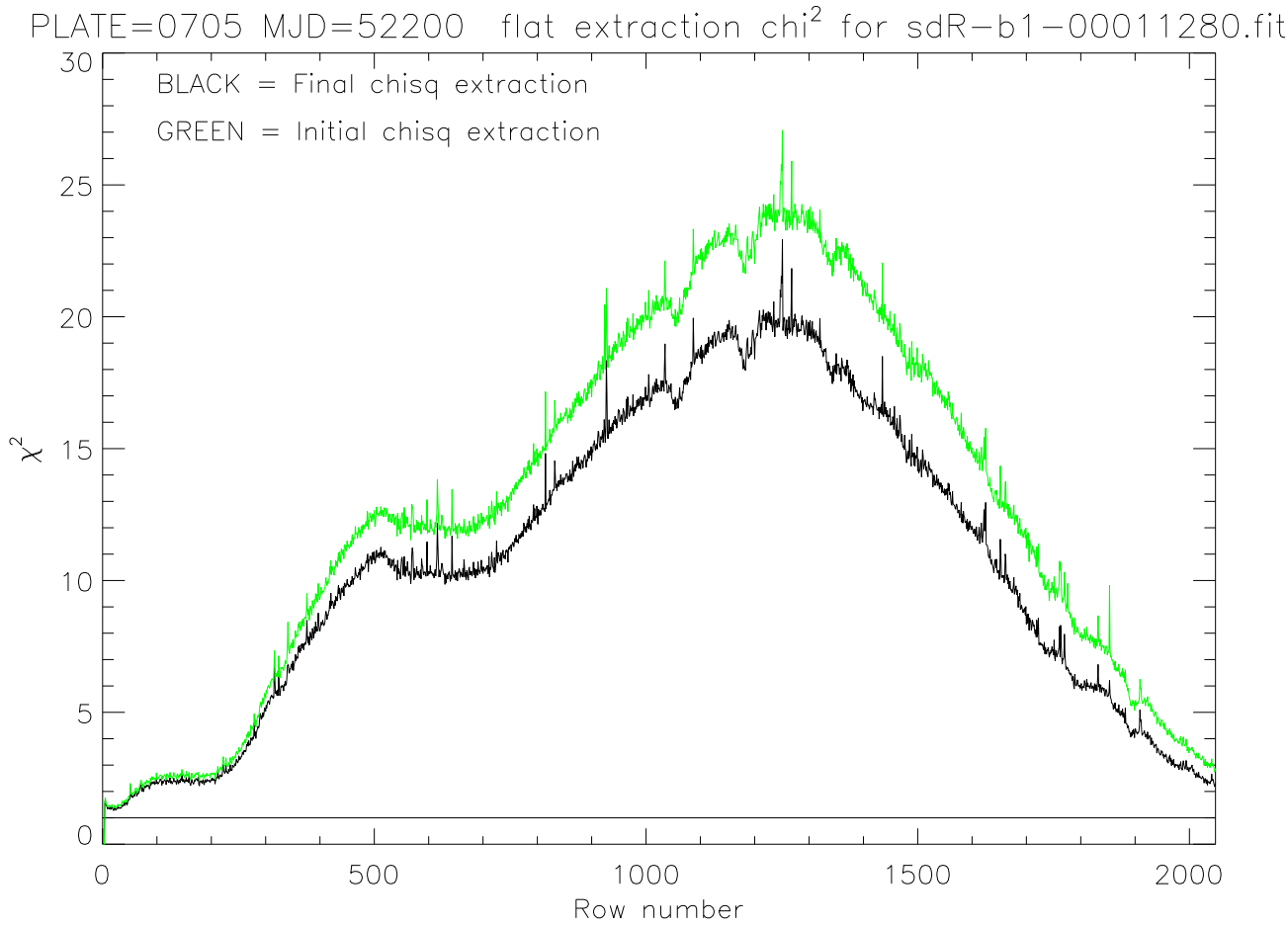
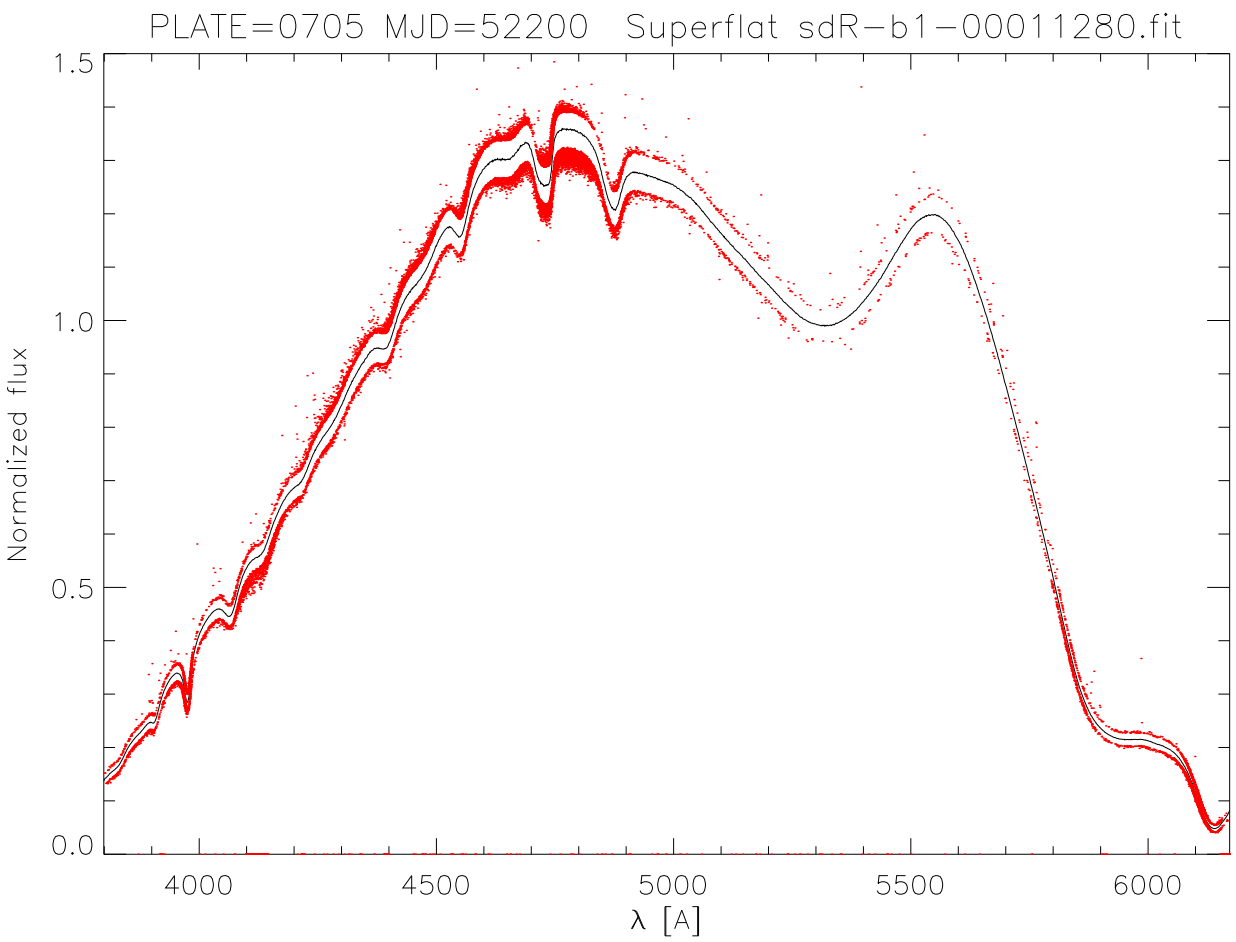

offset coeff residuals from ord=3 poly
1×10⁻⁴
5×10⁻⁵
0
−5×10⁻⁵
−1×10⁻⁴
0
50
100
150
200
250
300
fiber

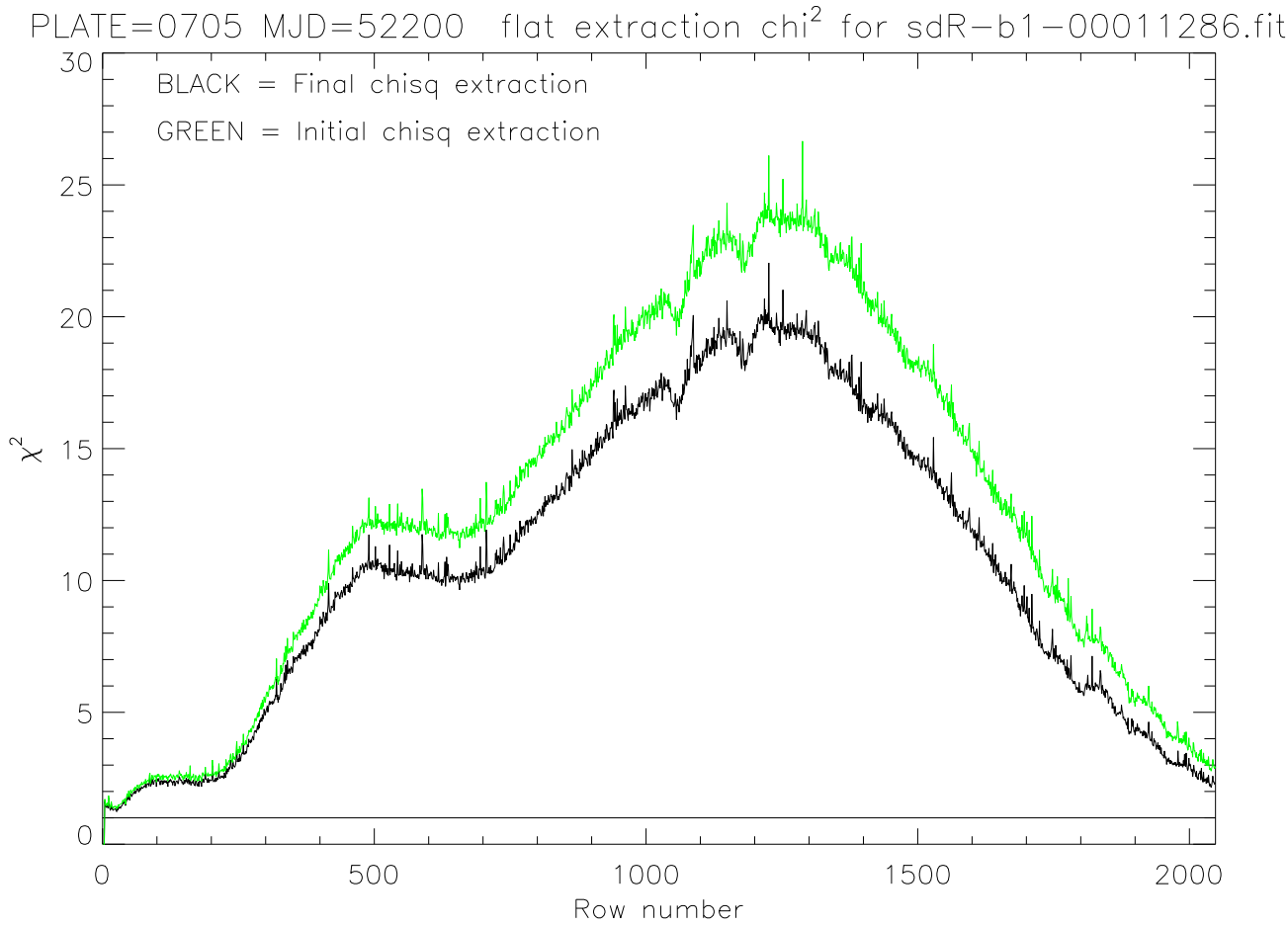

scale coeff residuals from ord=3 poly
2×10⁻⁵
1×10⁻⁵
0
−1×10⁻⁵
−2×10⁻⁵
0
50
100
150
200
250
300
fiber

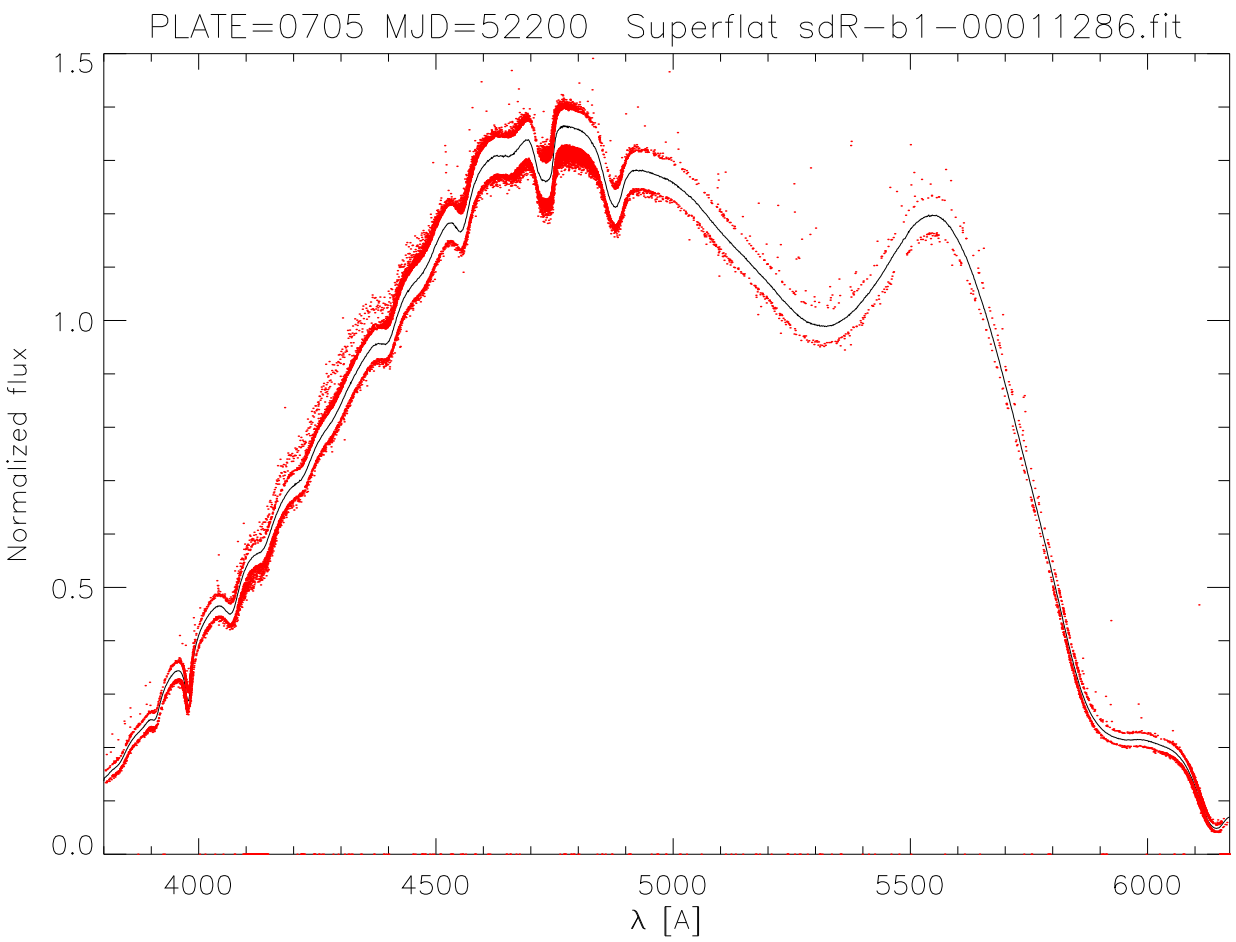

offset coeff residuals from ord=3 poly
1×10^-4
5×10^-5
0
−5×10^-5
−1×10^-4
0
50
100
150
200
250
300
fiber

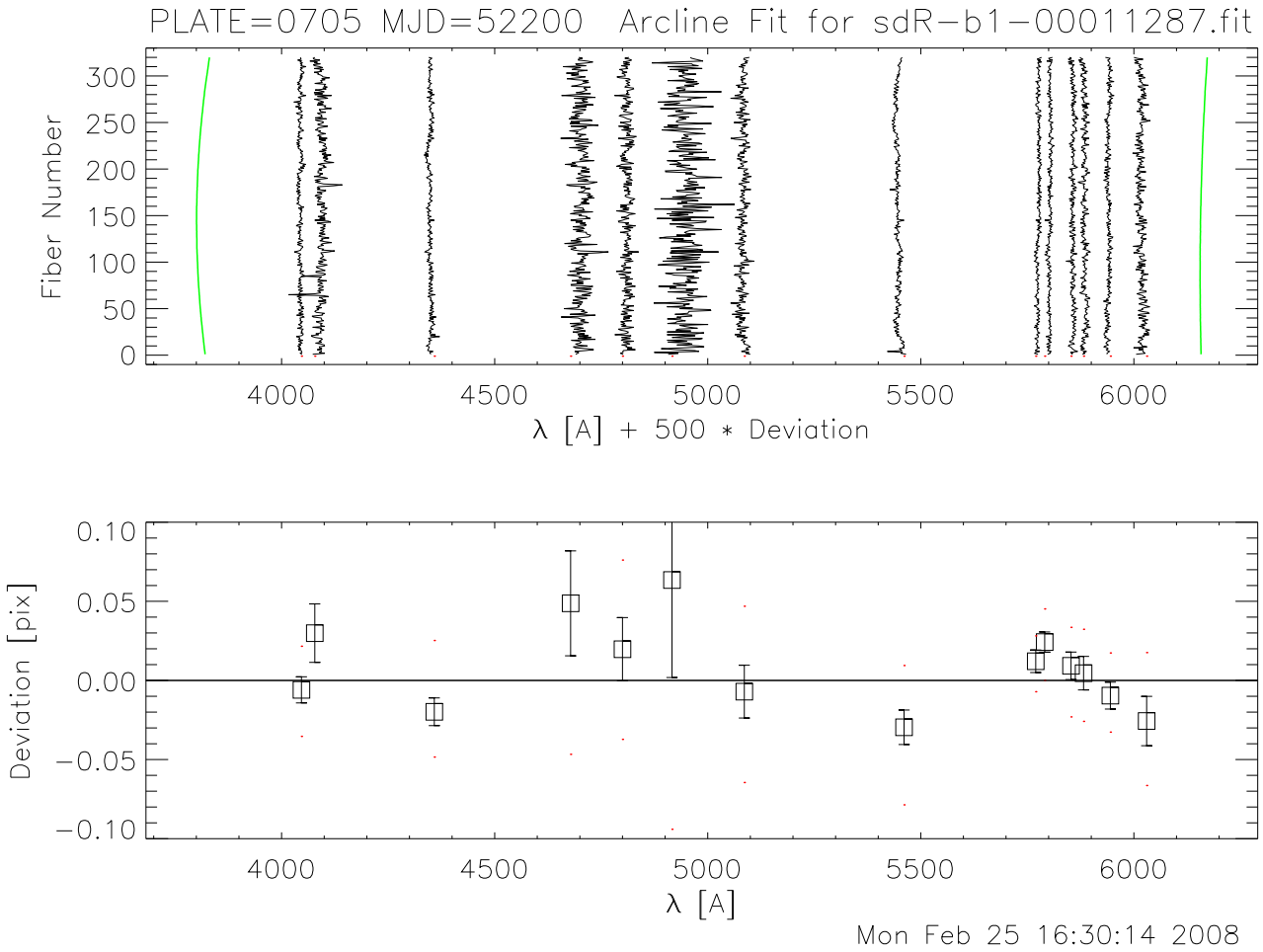

scale coeff residuals from ord=3 poly
2×10⁻⁵
1×10⁻⁵
0
−1×10⁻⁵
−2×10⁻⁵
0
50
100
150
200
250
300
fiber

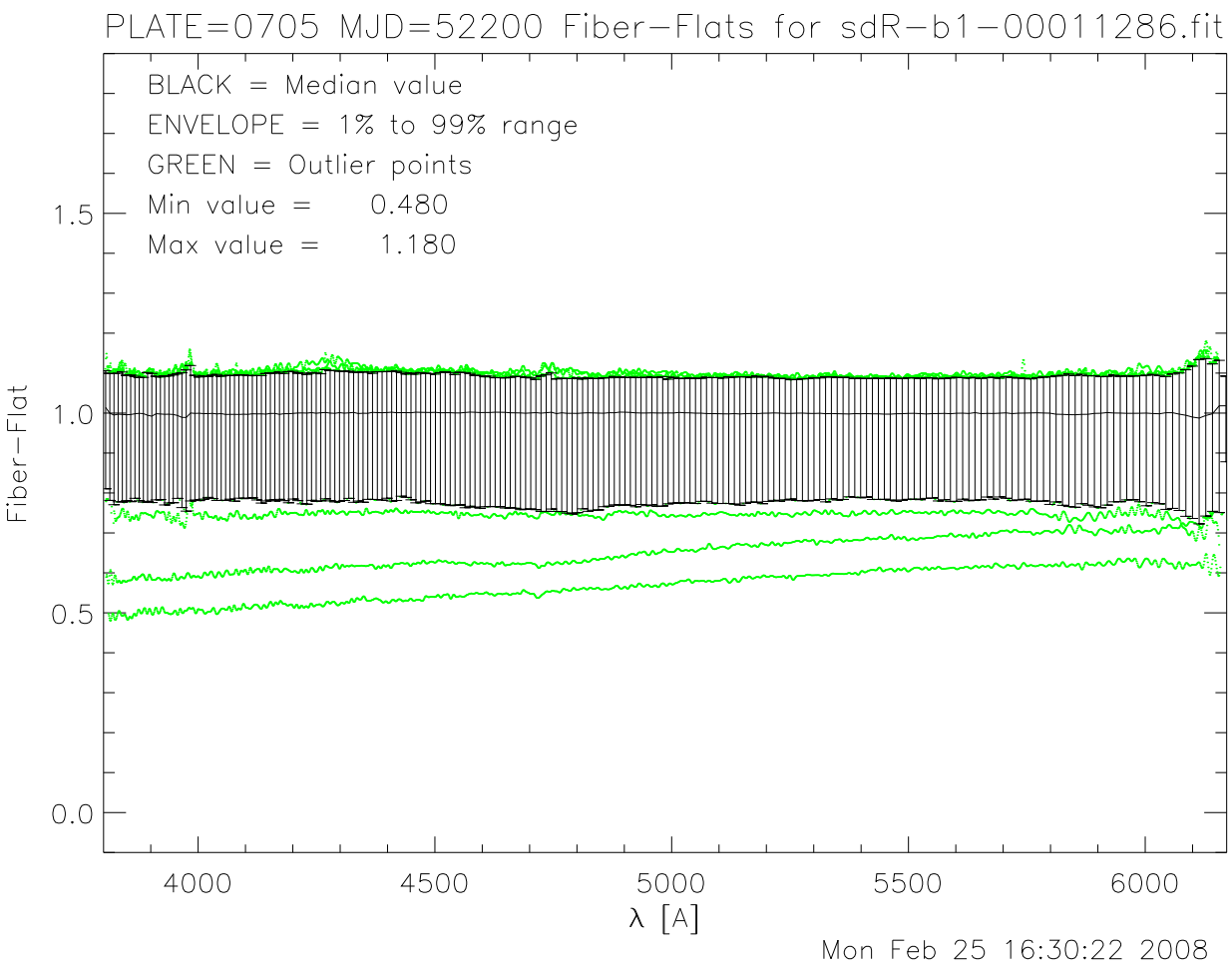

PLATE=0705 MJD=52200 flat extraction chi$^2$ for sdR−b1−00011280.fit
BLACK = Final chisq extraction
GREEN = Initial chisq extraction
$\chi^2$
Row number
0
5
10
15
20
25
30
0
500
1000
1500
2000

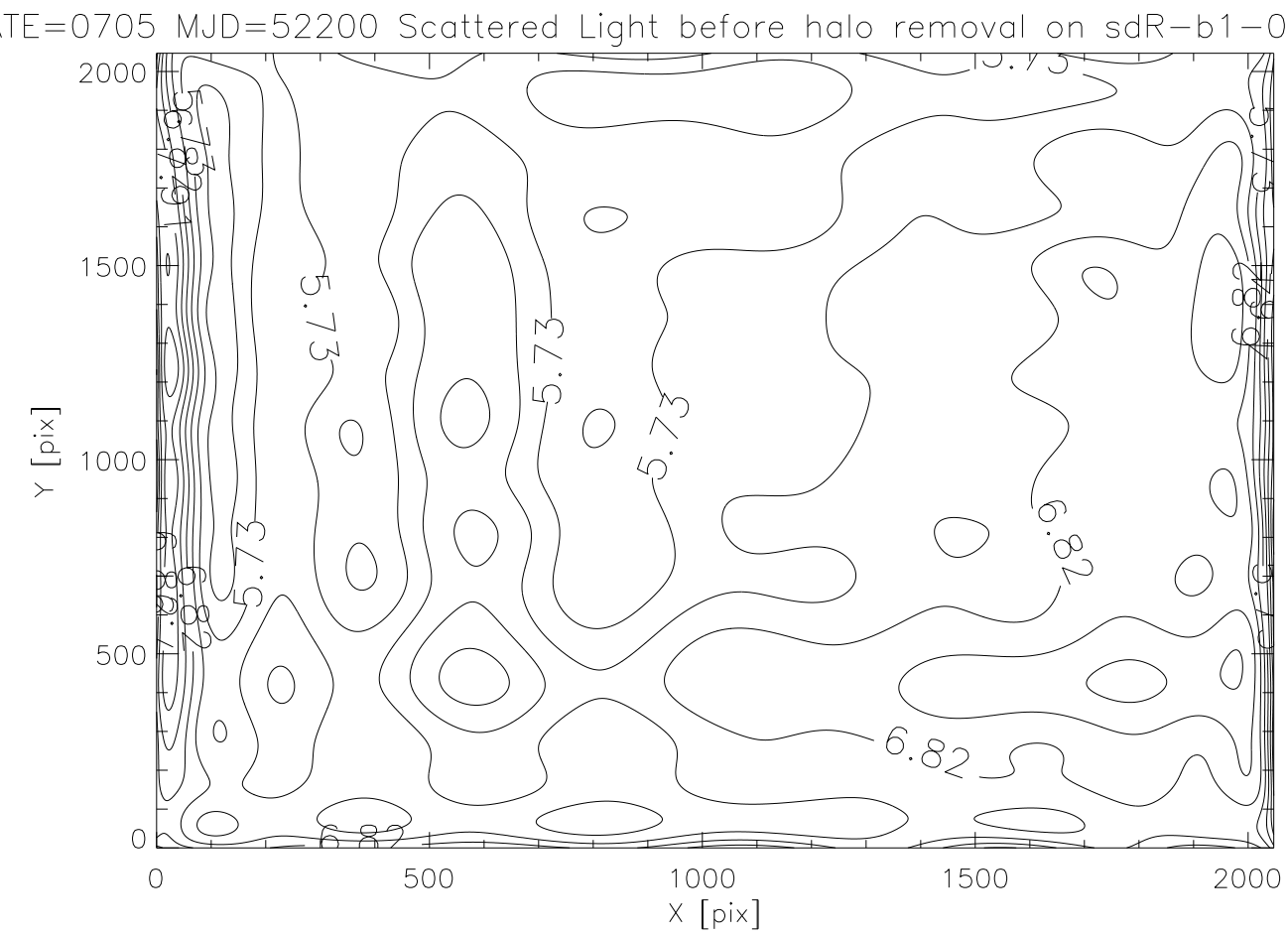

PLATE=0705 MJD=52200 Superflat sdR-b1-00011280.fit
Normalized flux
1.5
1.0
0.5
0.0
4000
4500
5000
5500
6000
λ [A]

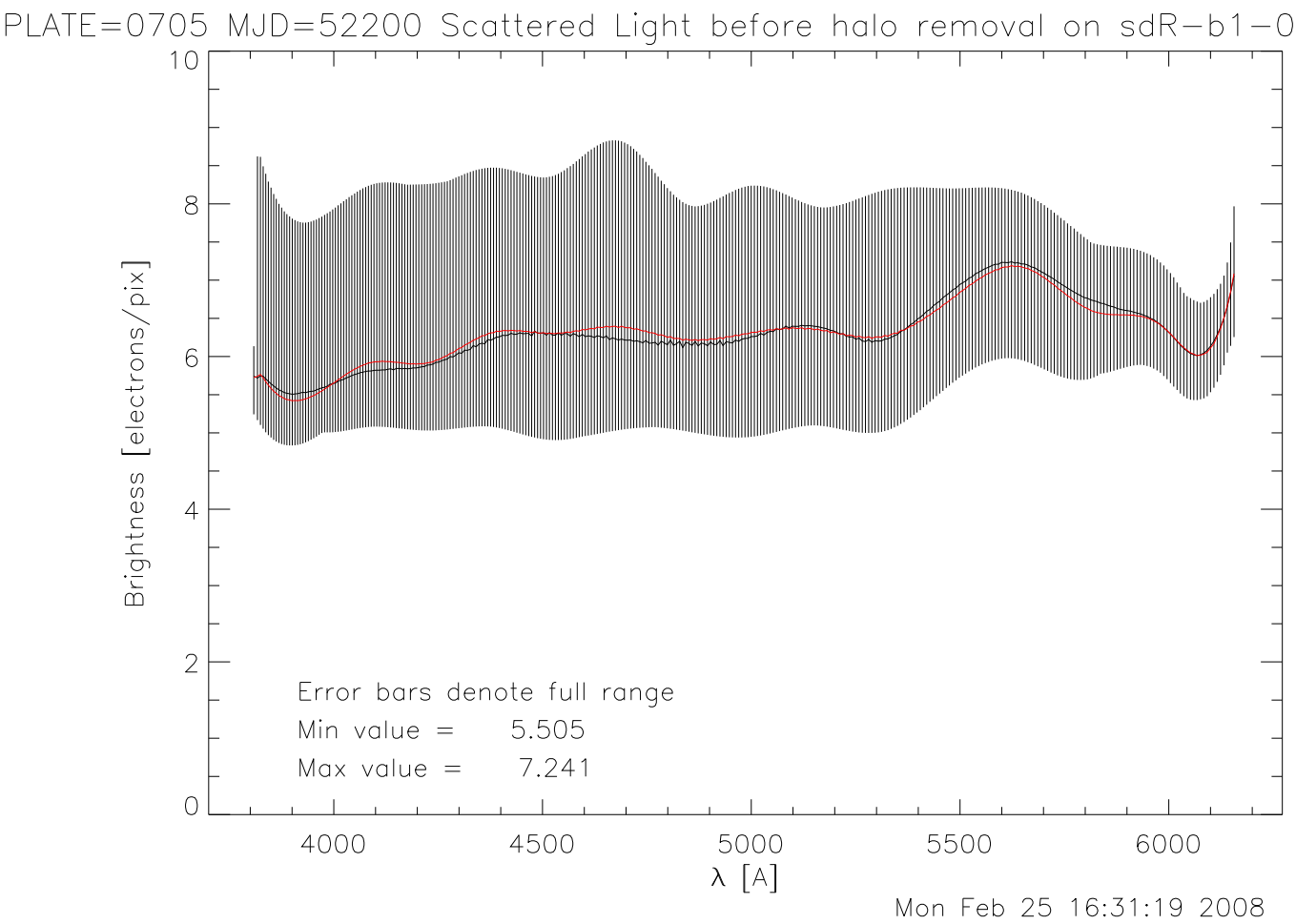

PLATE=0705 MJD=52200 flat extraction chi$^2$ for sdR−b1−00011286.fit
BLACK = Final chisq extraction
GREEN = Initial chisq extraction
$\chi^2$
Row number
0
5
10
15
20
25
30
0
500
1000
1500
2000

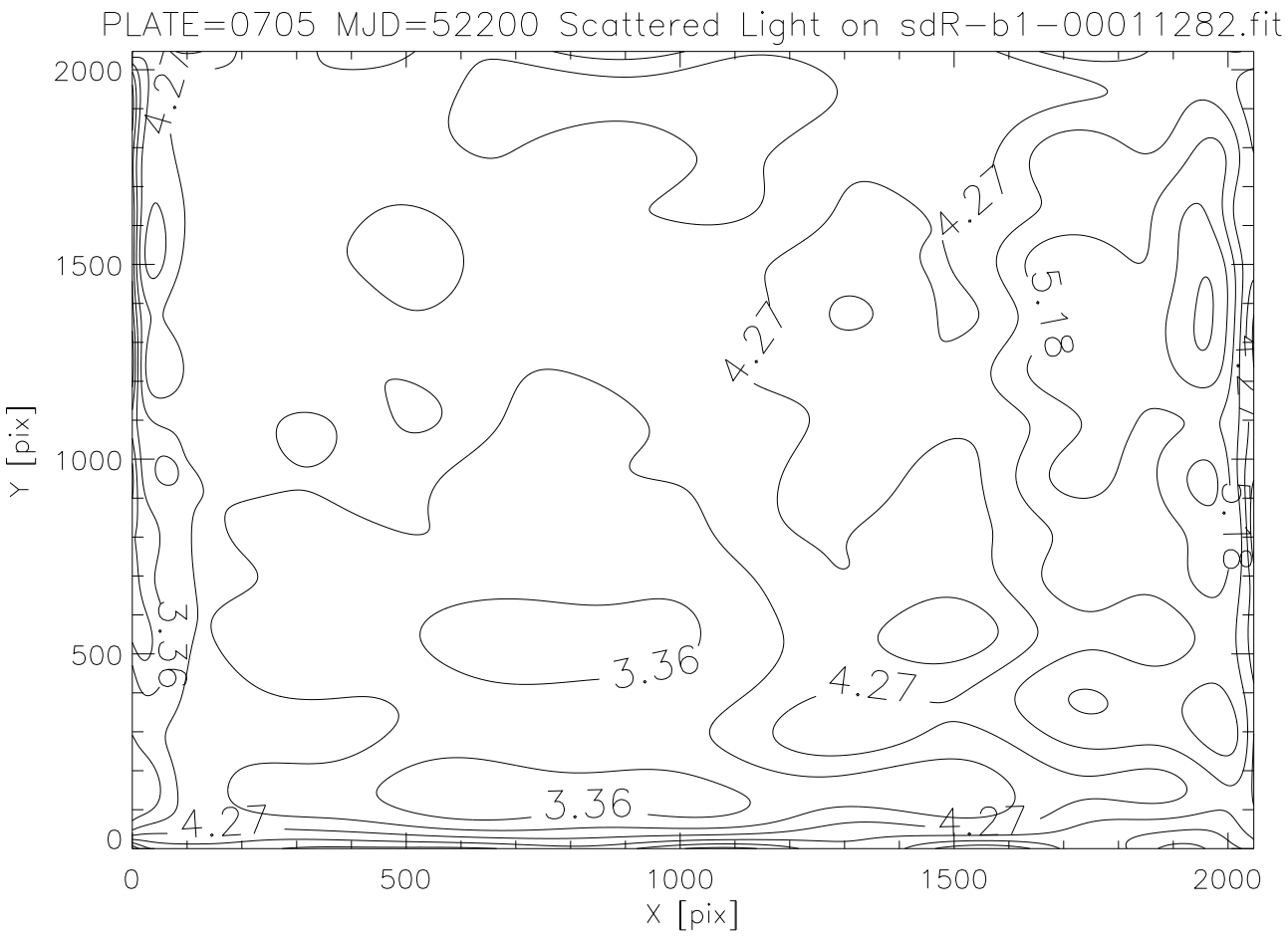

PLATE=0705 MJD=52200 Superflat sdR-b1-00011286.fit
Normalized flux
1.5
1.0
0.5
0.0
4000
4500
5000
5500
6000
λ [A]

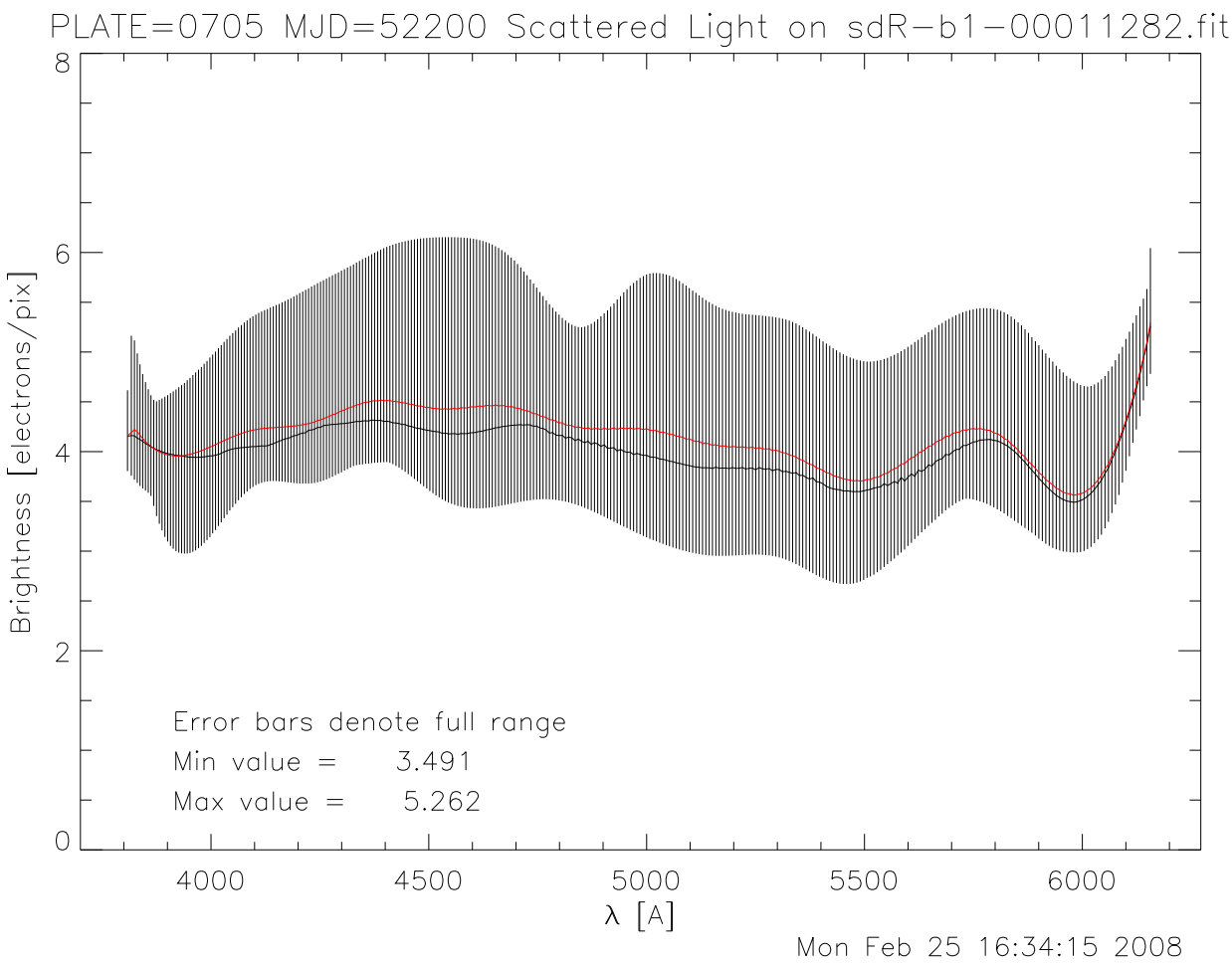

PLATE=0705 MJD=52200 Arcline Fit for sdR-b1-00011287.fit
Fiber Number
300
250
200
150
100
50
0
4000
4500
5000
5500
6000
λ [A] + 500 * Deviation
Deviation [pix]
0.10
0.05
0.00
−0.05
−0.10
4000
4500
5000
5500
6000
λ [A]
Mon Feb 25 16:30:14 2008

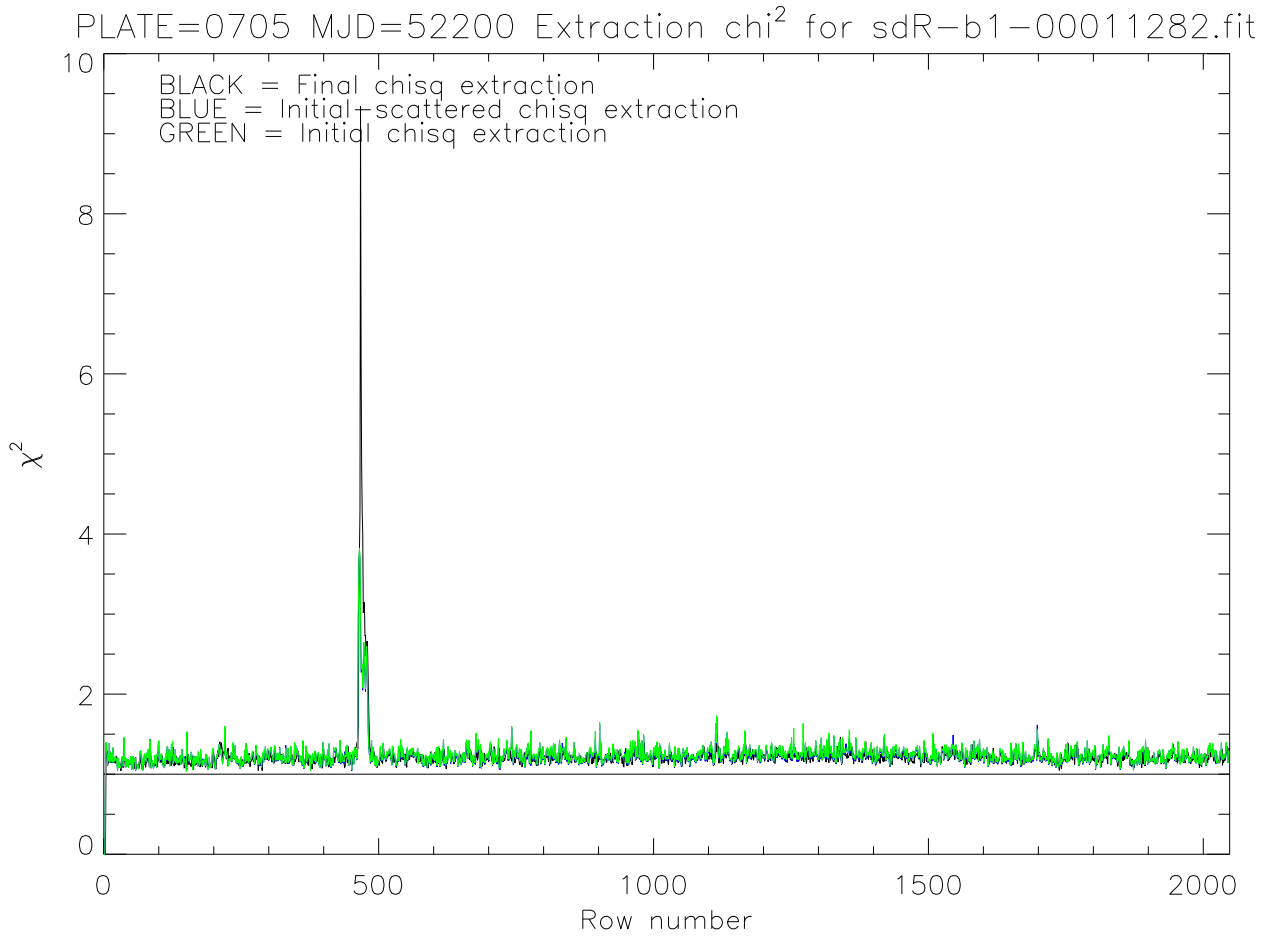

PLATE=0705 MJD=52200 Fiber−Flats for sdR−b1−00011286.fit
BLACK = Median value
ENVELOPE = 1% to 99% range
GREEN = Outlier points
Min value = 0.480
Max value = 1.180
Fiber−Flat
1.5
1.0
0.5
0.0
4000
4500
5000
5500
6000
λ [A]
Mon Feb 25 16:30:22 2008

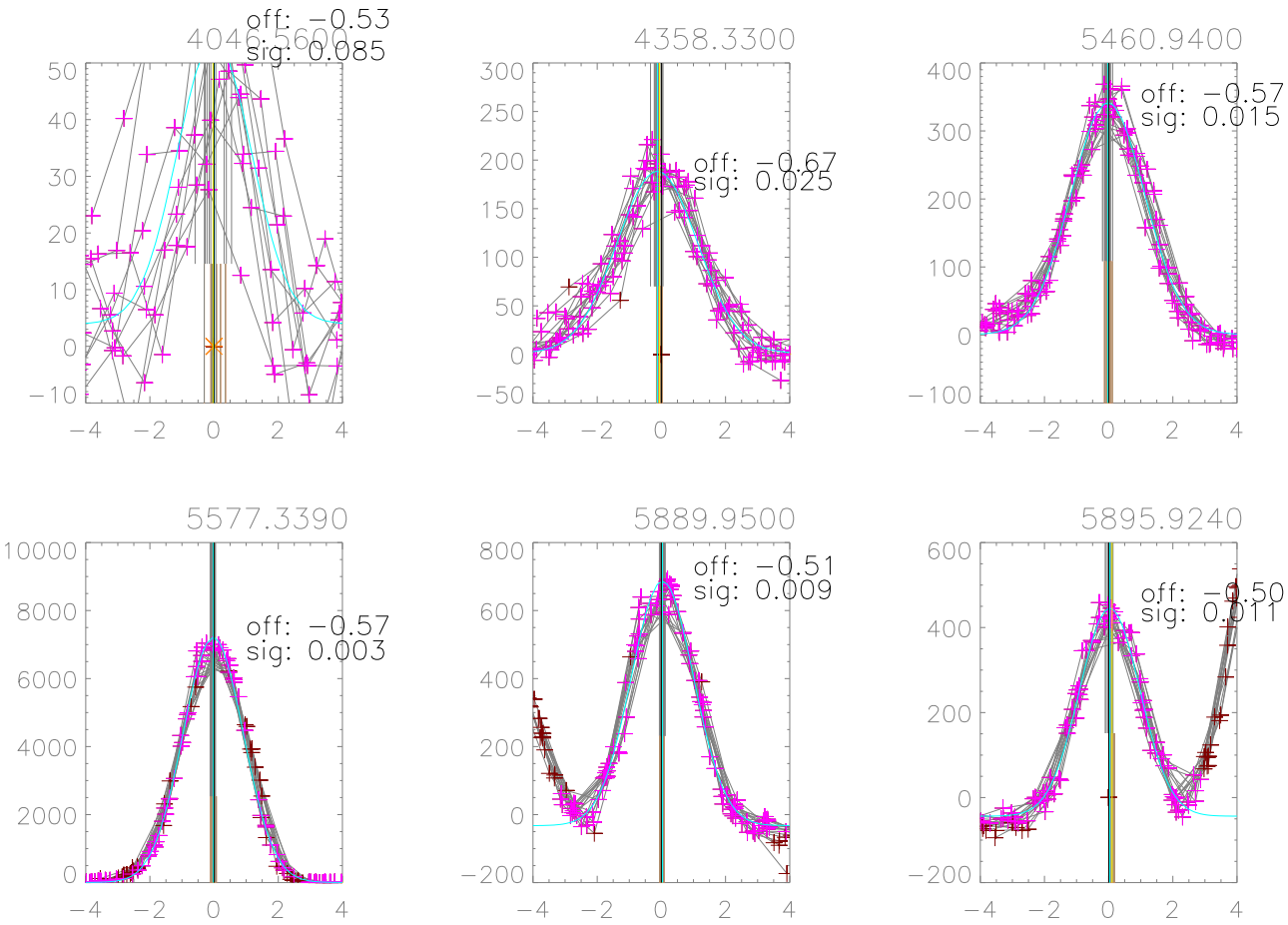

PLATE=0705 MJD=52200 Scattered Light before halo removal on sdR−b1−00011282.f
2000
1500
1000
500
0
Y [pix]
0
500
1000
1500
2000
X [pix]
5.73
6.82

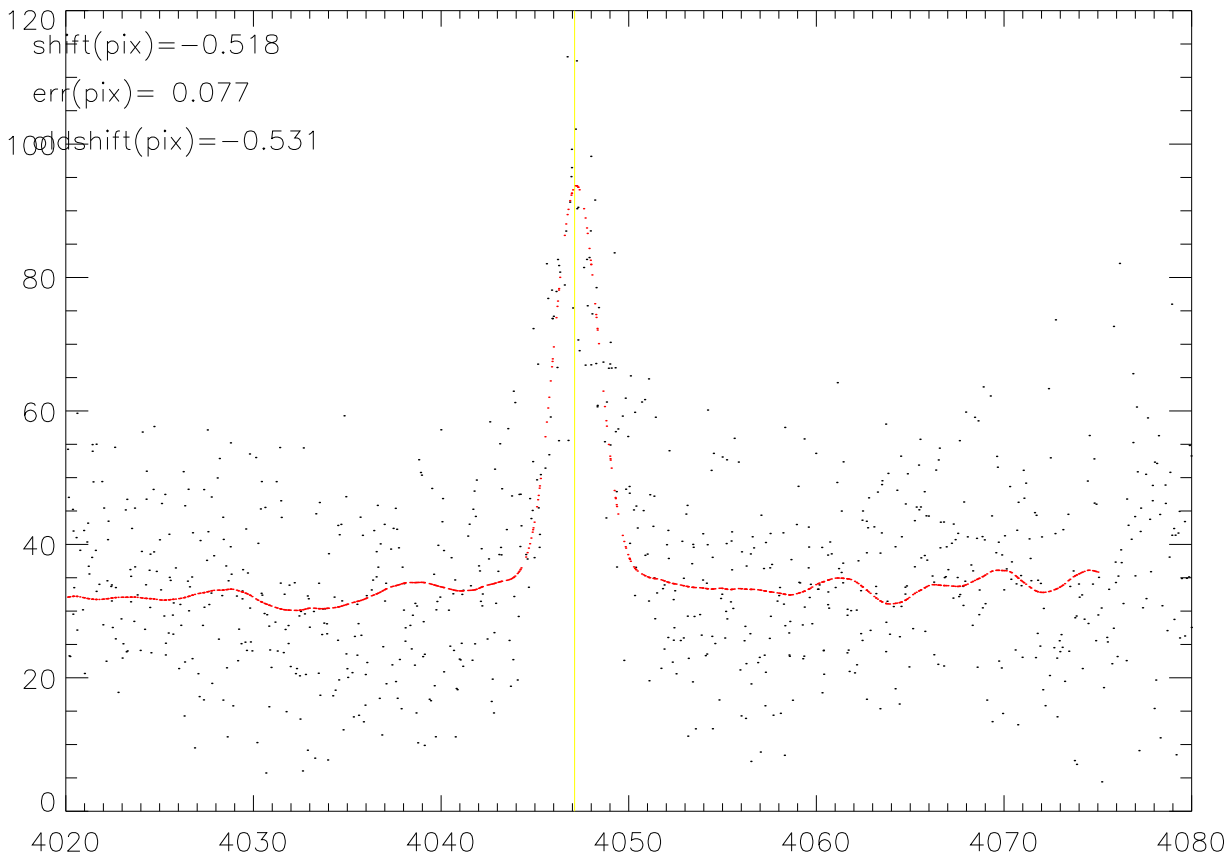

PLATE=0705 MJD=52200 Scattered Light before halo removal on sdR-b1-00011282.f
Brightness [electrons/pix]
10
8
6
4
2
0
Error bars denote full range
Min value = 5.505
Max value = 7.241
4000
4500
5000
5500
6000
λ [A]
Mon Feb 25 16:31:19 2008

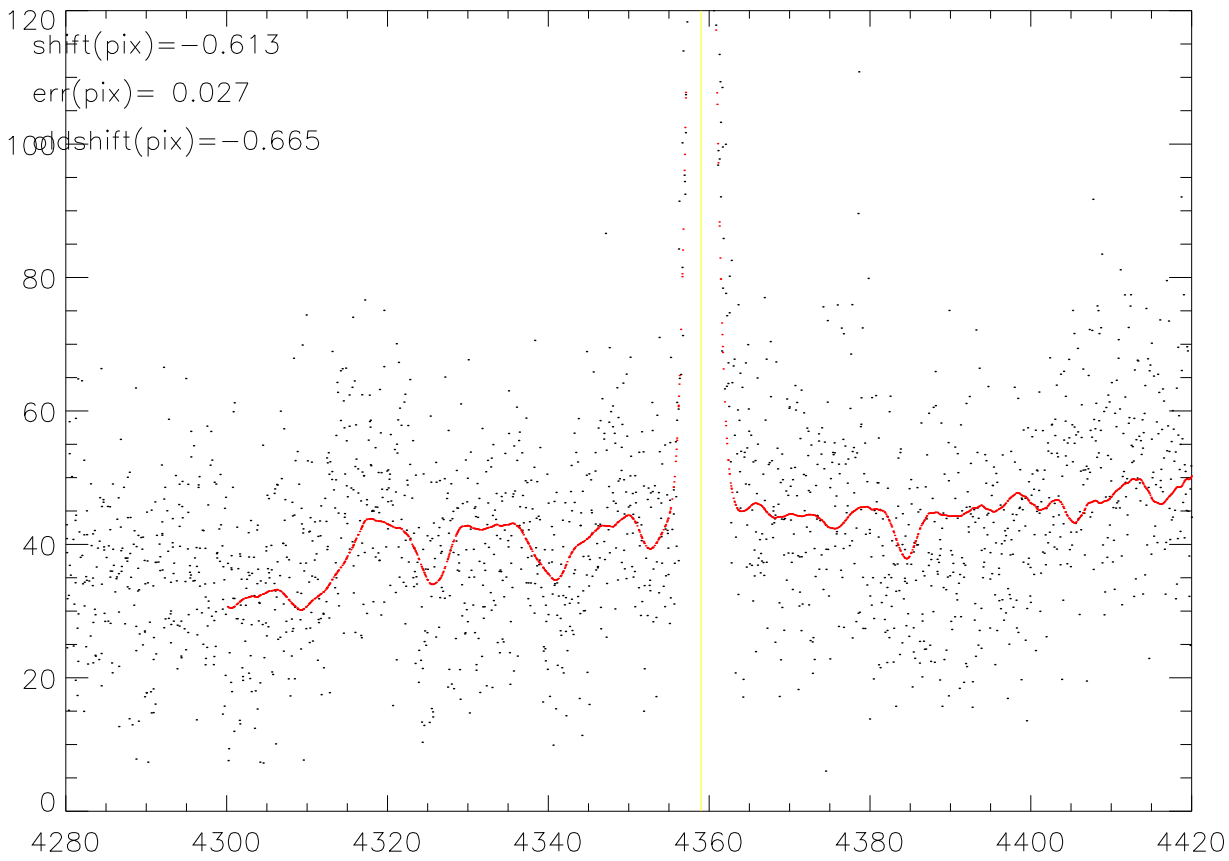

PLATE=0705 MJD=52200 Scattered Light on sdR-b1-00011282.fit
Y [pix]
X [pix]
0
500
1000
1500
2000
4.27
3.36
5.18

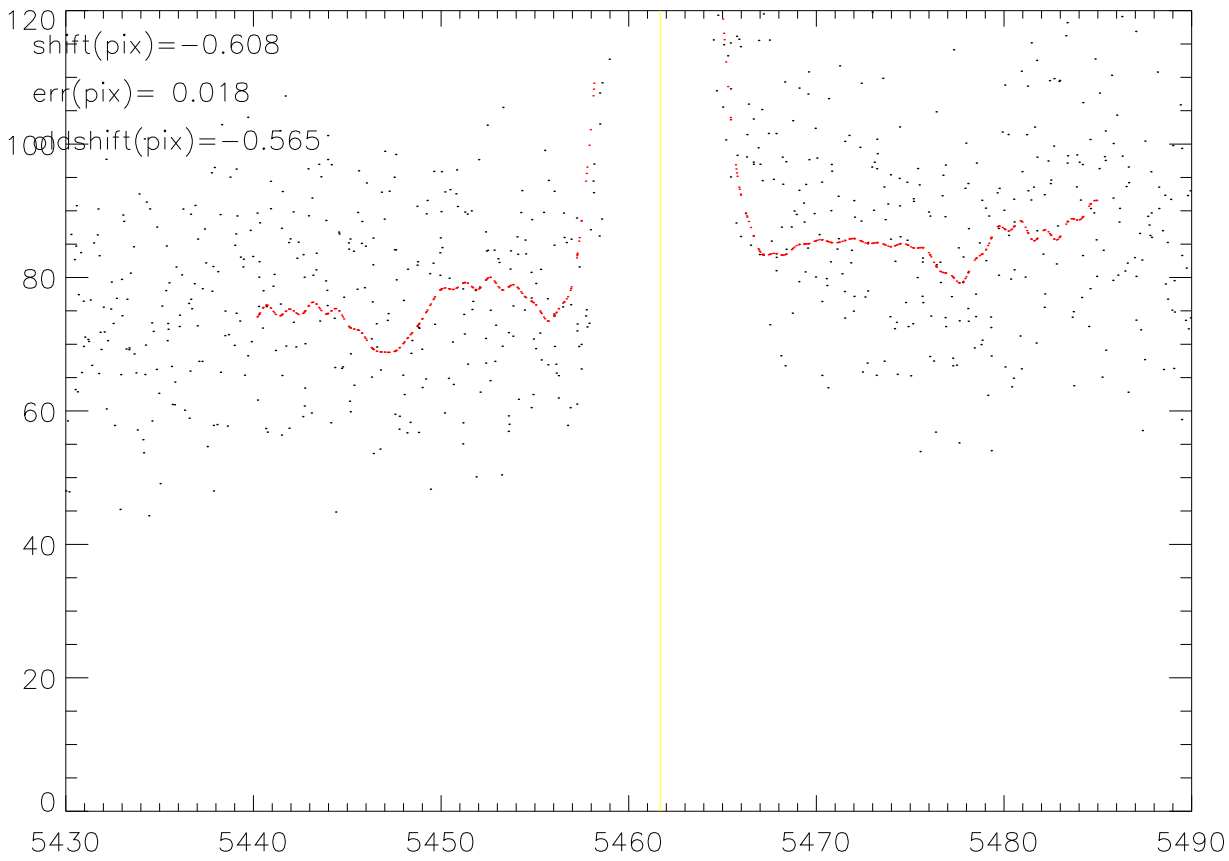

PLATE=0705 MJD=52200 Scattered Light on sdR-b1-00011282.fit
Brightness [electrons/pix]
λ [A]
Error bars denote full range
Min value = 3.491
Max value = 5.262
Mon Feb 25 16:34:15 2008

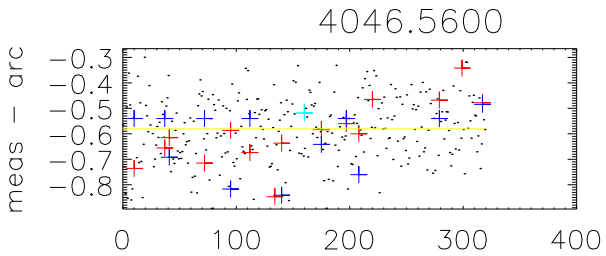

PLATE=0705 MJD=52200 Extraction chi$^2$ for sdR-b1-00011282.fit
BLACK = Final chisq extraction
BLUE = Initial+scattered chisq extraction
GREEN = Initial chisq extraction
$\chi^2$
Row number
0
2
4
6
8
10
0
500
1000
1500
2000

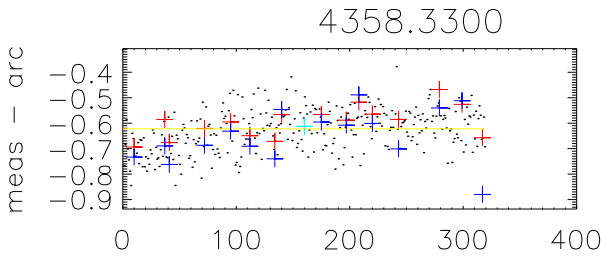

4046.5600
off: −0.53
sig: 0.085
4358.3300
off: −0.67
sig: 0.025
5460.9400
off: −0.57
sig: 0.015
5577.3390
off: −0.57
sig: 0.003
5889.9500
off: −0.51
sig: 0.009
5895.9240
off: −0.50
sig: 0.011

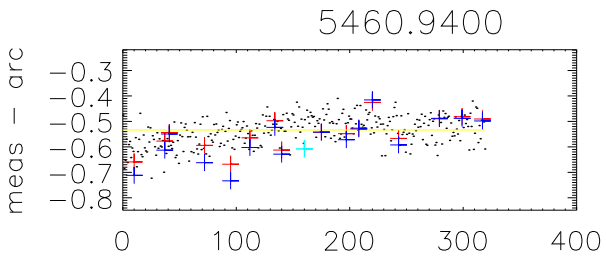

shift(pix)=−0.518
err(pix)= 0.077
oldshift(pix)=−0.531
120
100
80
60
40
20
0
4020
4030
4040
4050
4060
4070
4080

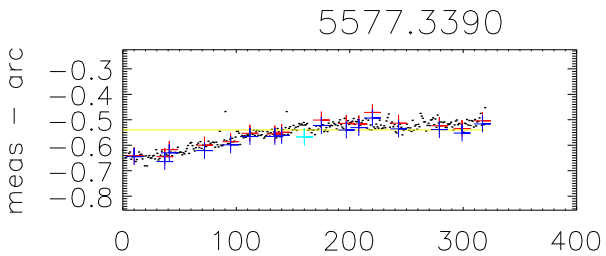

shift(pix)=−0.613
err(pix)= 0.027
oldshift(pix)=−0.665
120
100
80
60
40
20
0
4280
4300
4320
4340
4360
4380
4400
4420

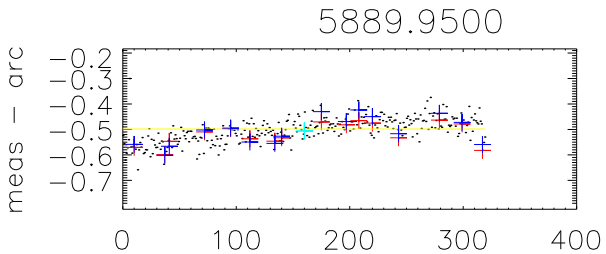

shift(pix)=−0.608
err(pix)= 0.018
oldshift(pix)=−0.565
120
100
80
60
40
20
0
5430
5440
5450
5460
5470
5480
5490

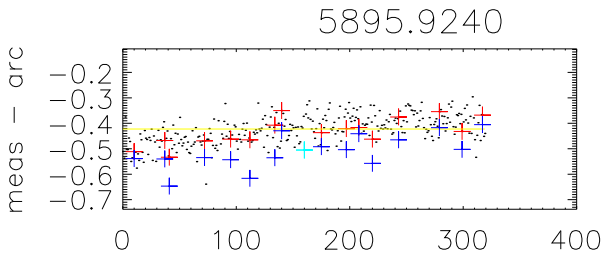

4046.5600
meas − arc
−0.3
−0.4
−0.5
−0.6
−0.7
−0.8
0
100
200
300
400

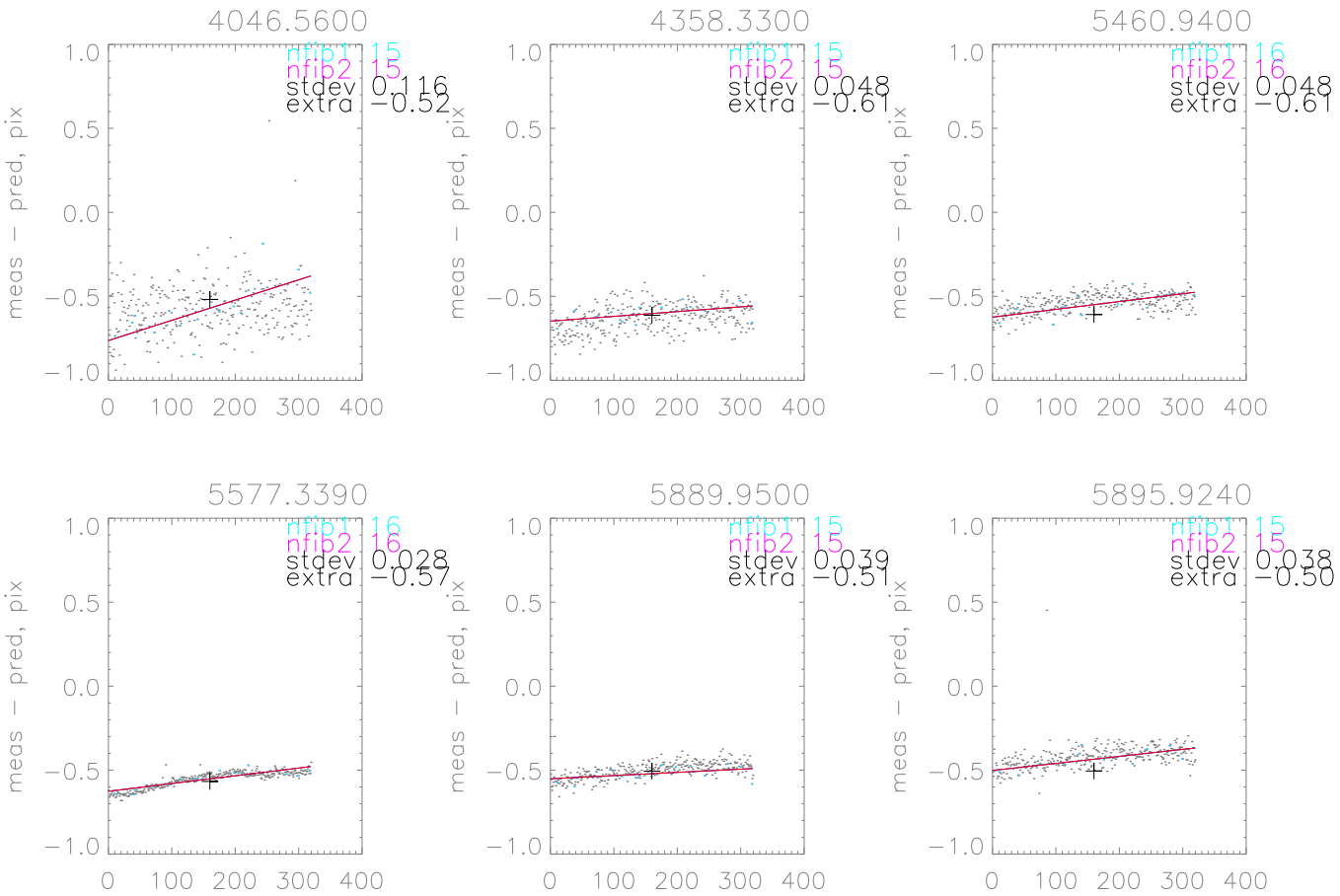

4358.3300
meas − arc
−0.4
−0.5
−0.6
−0.7
−0.8
−0.9
0
100
200
300
400

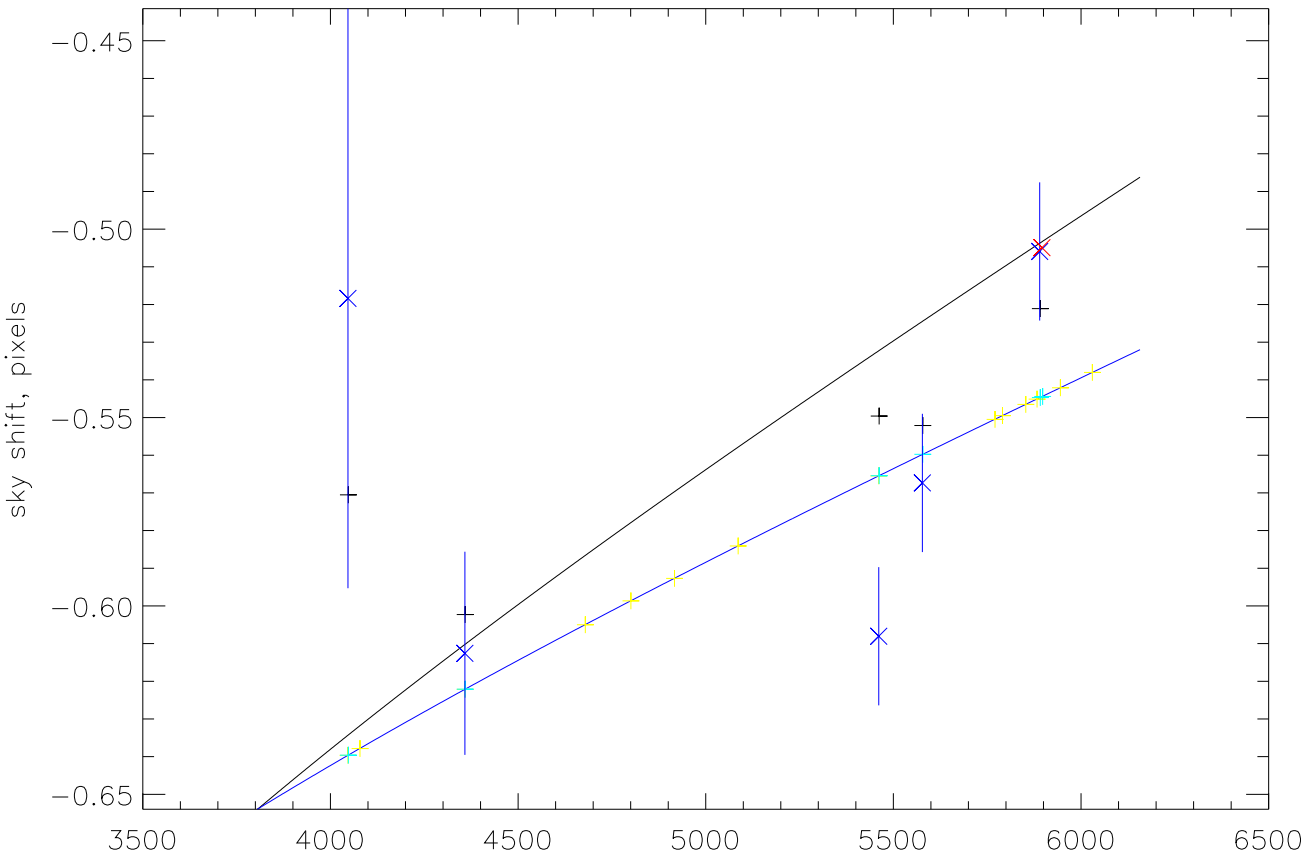

5460.9400
meas − arc
−0.3
−0.4
−0.5
−0.6
−0.7
−0.8
0
100
200
300
400

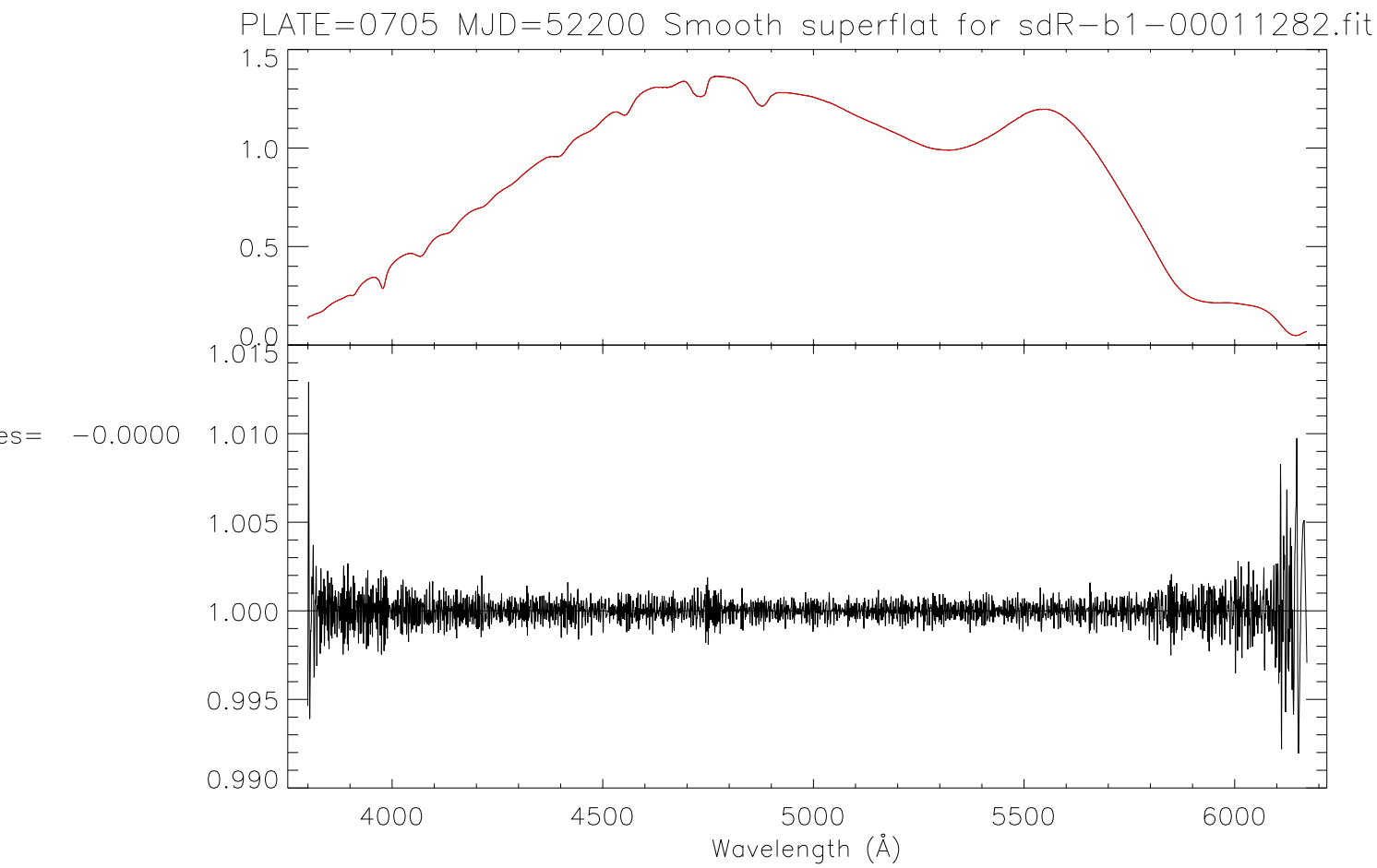

5577.3390
meas − arc
−0.3
−0.4
−0.5
−0.6
−0.7
−0.8
0
100
200
300
400

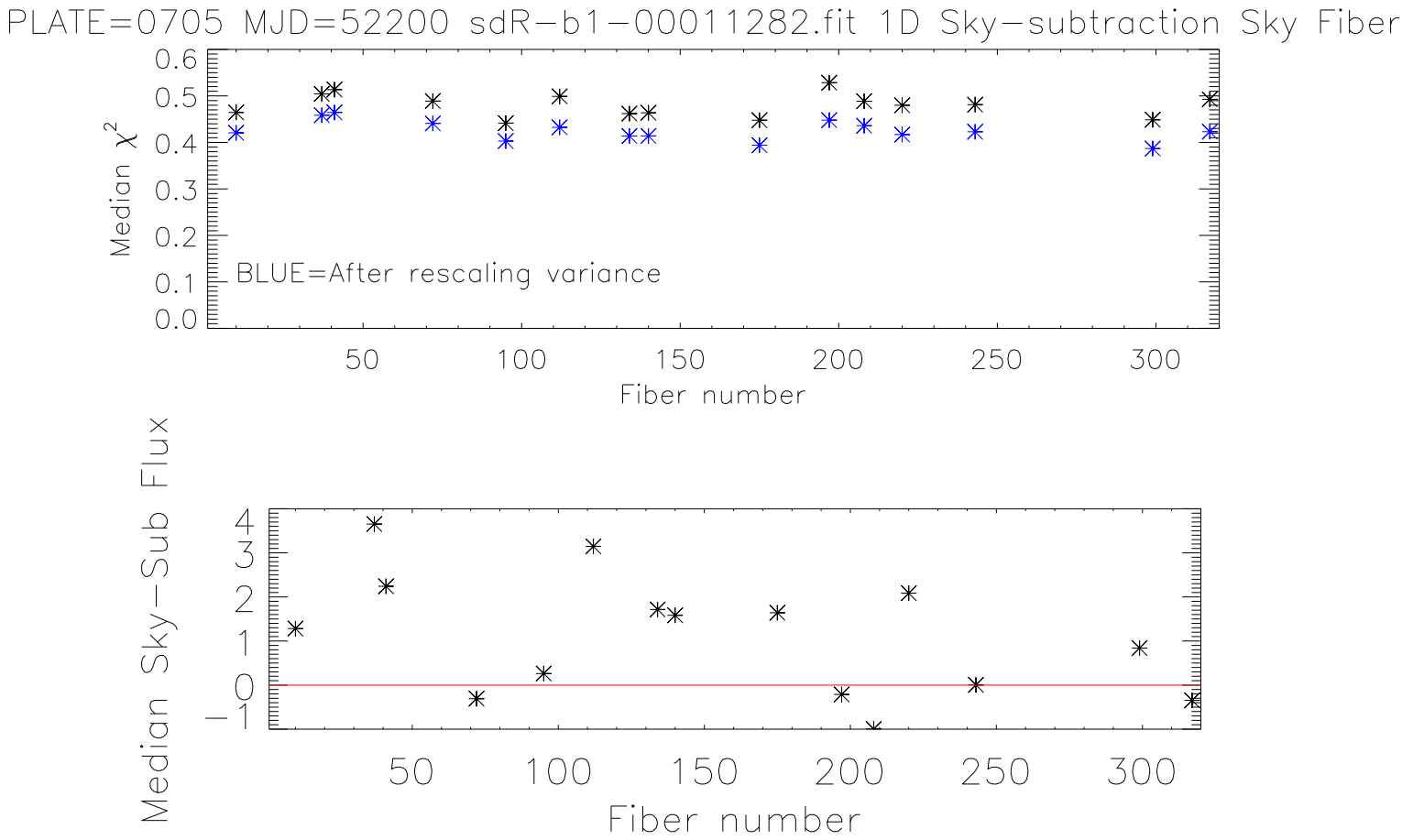

5889.9500
meas − arc
−0.2
−0.3
−0.4
−0.5
−0.6
−0.7
0
100
200
300
400

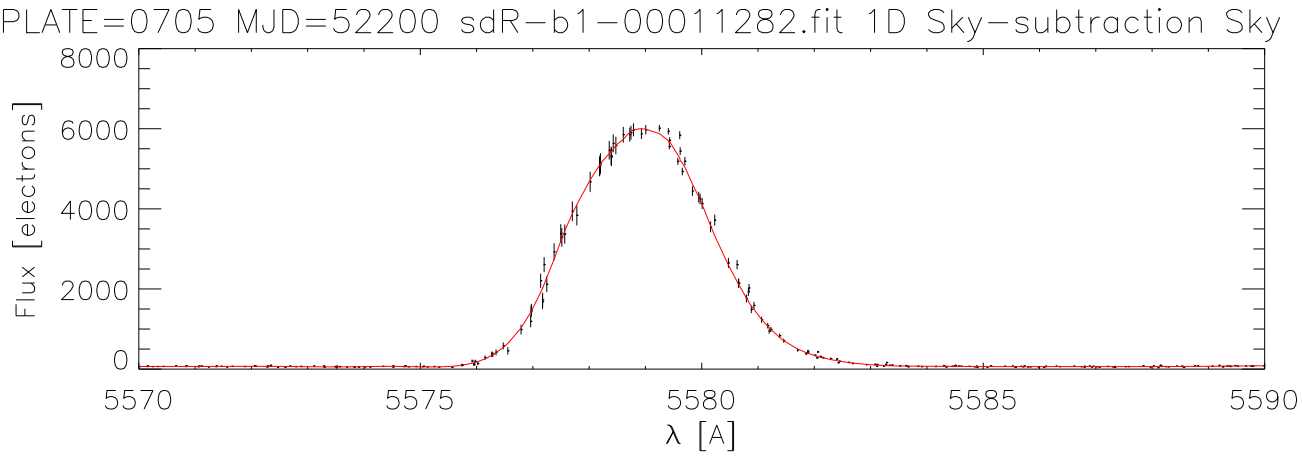

5895.9240
meas − arc
−0.2
−0.3
−0.4
−0.5
−0.6
−0.7
0
100
200
300
400

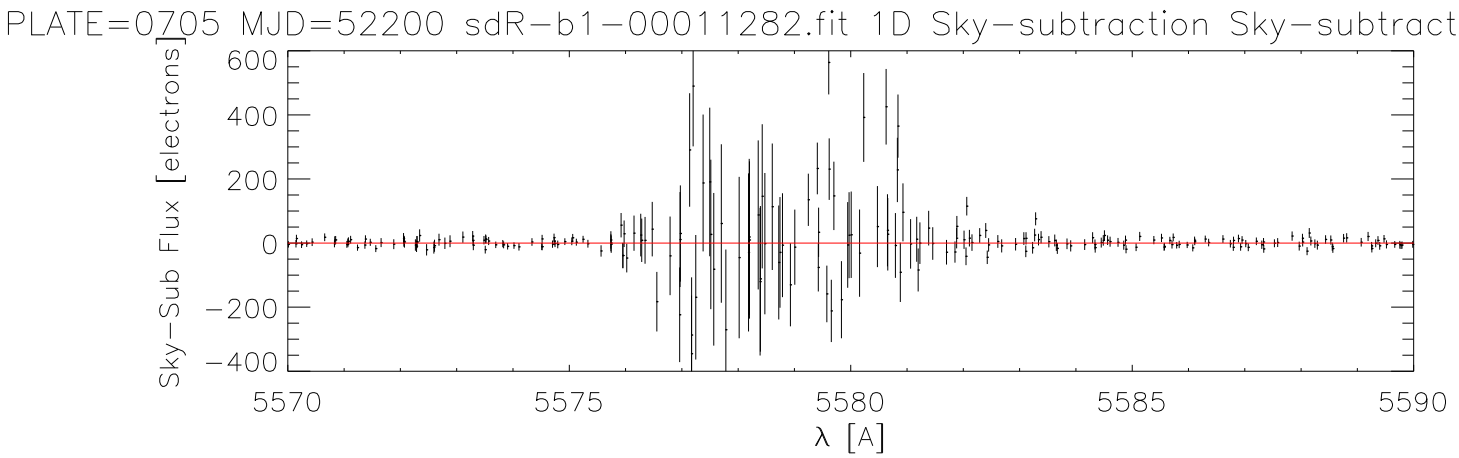

4046.5600
nfib1 15
nfib2 15
stdev 0.116
extra −0.52
4358.3300
nfib1 15
nfib2 15
stdev 0.048
extra −0.61
5460.9400
nfib1 16
nfib2 16
stdev 0.048
extra −0.61
5577.3390
nfib1 16
nfib2 16
stdev 0.028
extra −0.57
5889.9500
nfib1 15
nfib2 15
stdev 0.039
extra −0.51
5895.9240
nfib1 15
nfib2 15
stdev 0.038
extra −0.50
meas − pred, pix
1.0
0.5
0.0
−0.5
−1.0
0
100
200
300
400

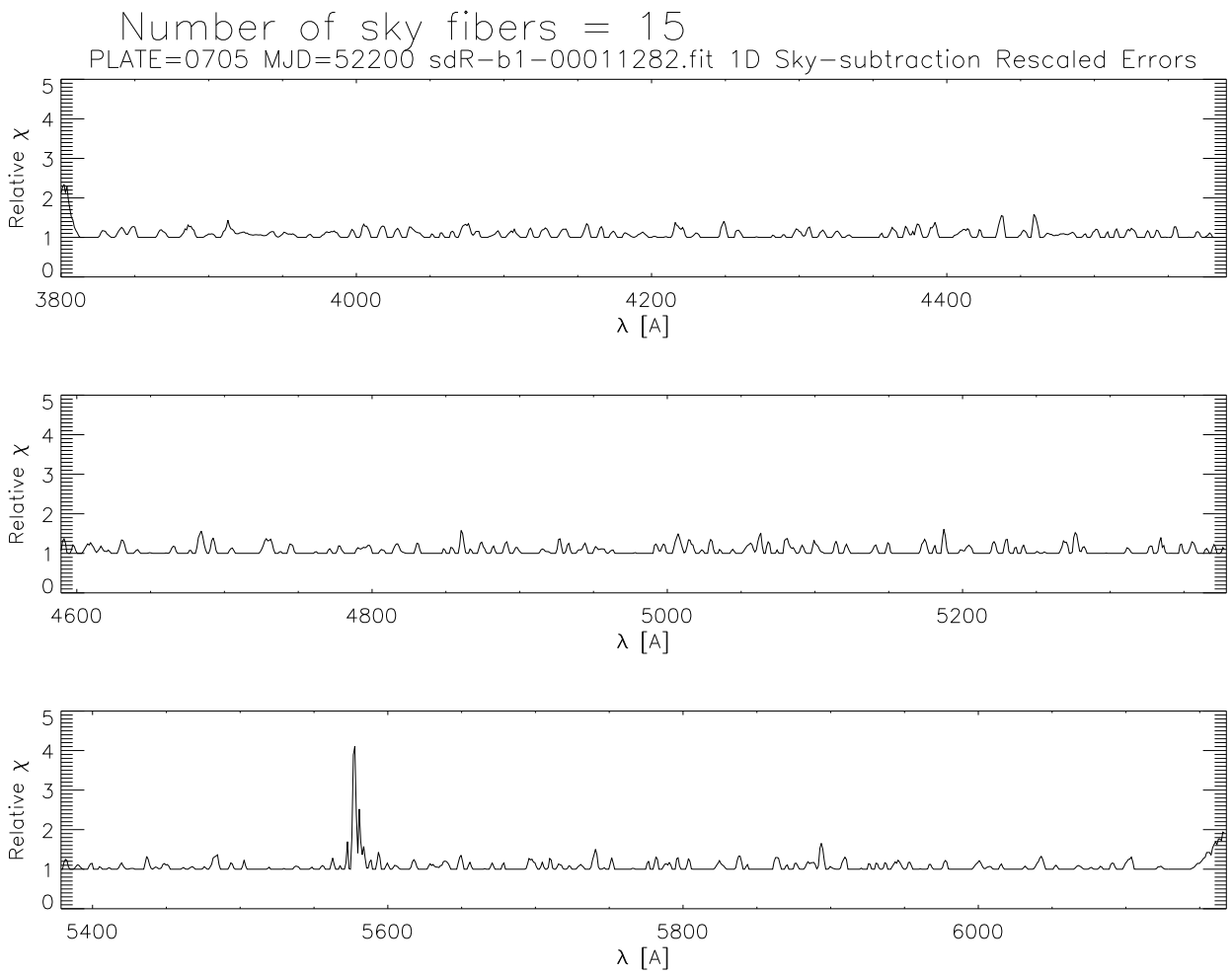

−0.45
−0.50
−0.55
−0.60
−0.65
sky shift, pixels
3500
4000
4500
5000
5500
6000
6500

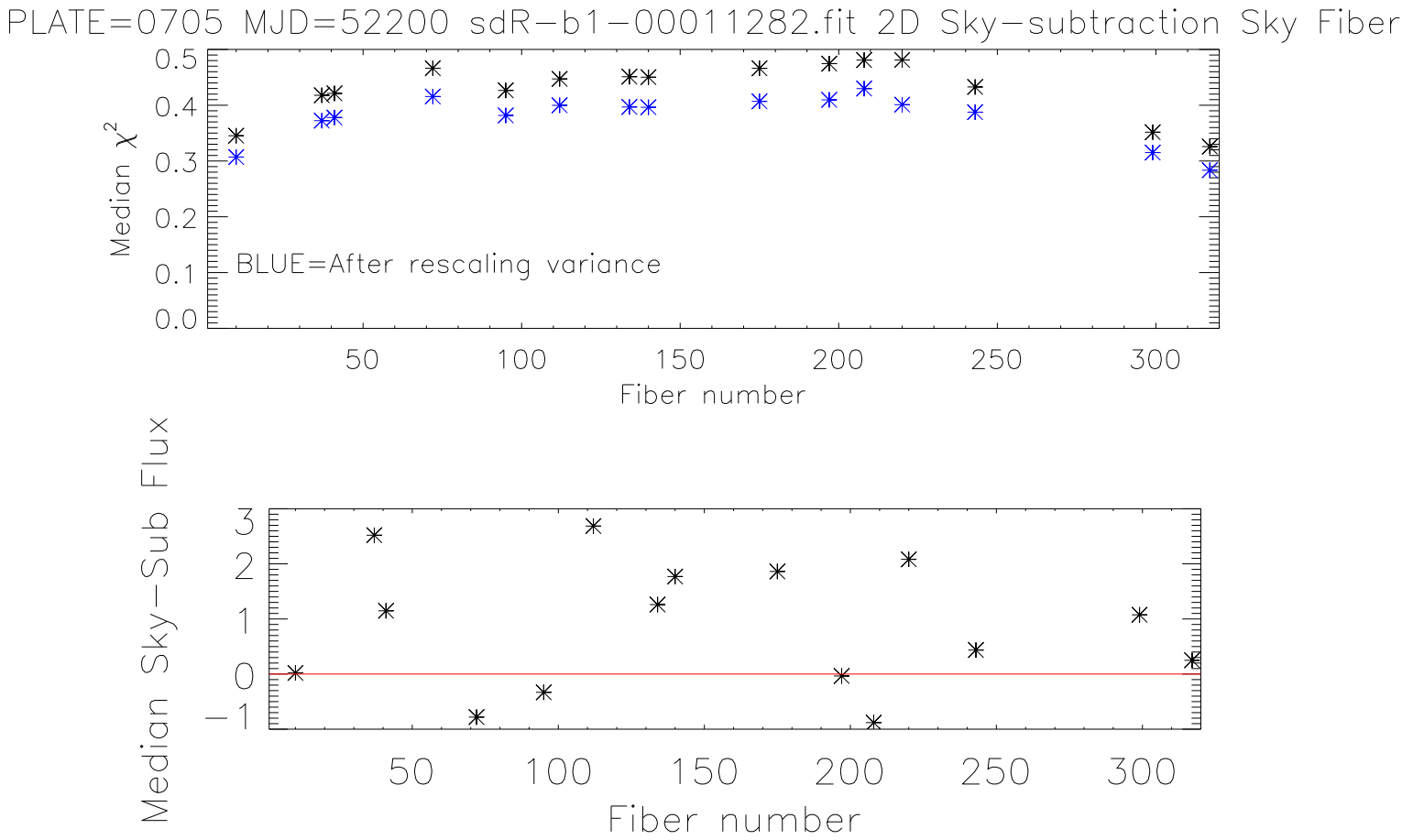

PLATE=0705 MJD=52200 Smooth superflat for sdR-b1-00011282.fit
1.5
1.0
0.5
0.0
1.015
1.010
1.005
1.000
0.995
0.990
es= −0.0000
4000
4500
5000
5500
6000
Wavelength (Å)

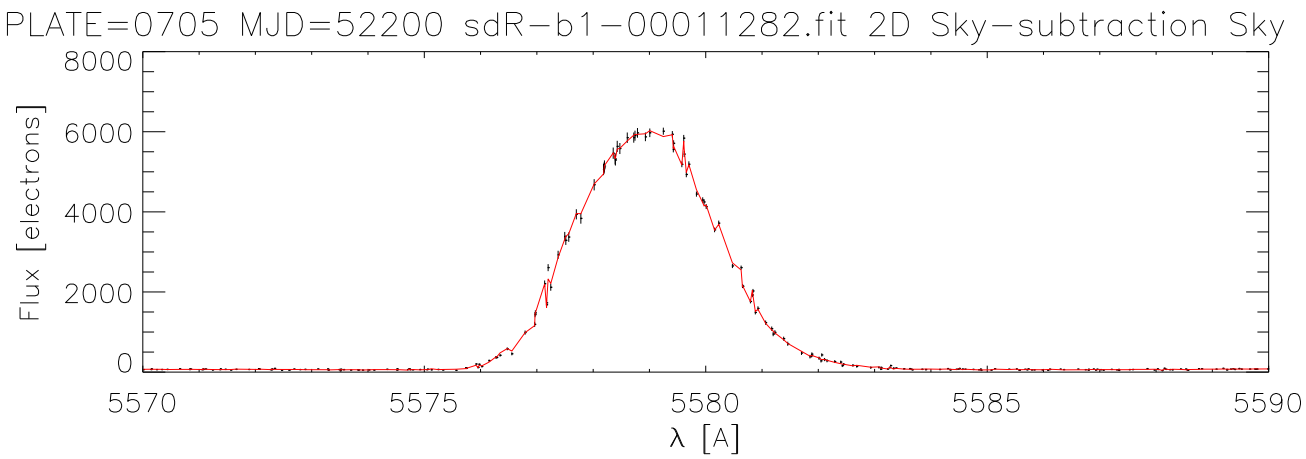

PLATE=0705 MJD=52200 sdR-b1-00011282.fit 1D Sky-subtraction Sky Fiber
Median $\chi^2$
BLUE=After rescaling variance
Fiber number
Median Sky-Sub Flux
Fiber number

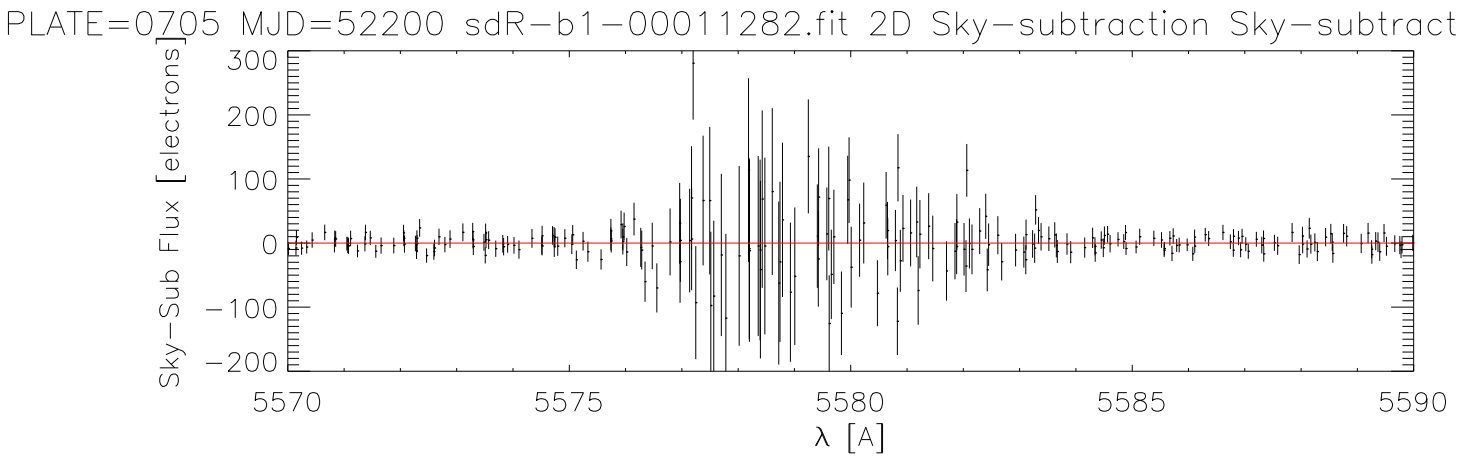

PLATE=0705 MJD=52200 sdR-b1-00011282.fit 1D Sky-subtraction Sky Fibers
Flux [electrons]
8000
6000
4000
2000
0
5570
5575
5580
5585
5590
λ [A]

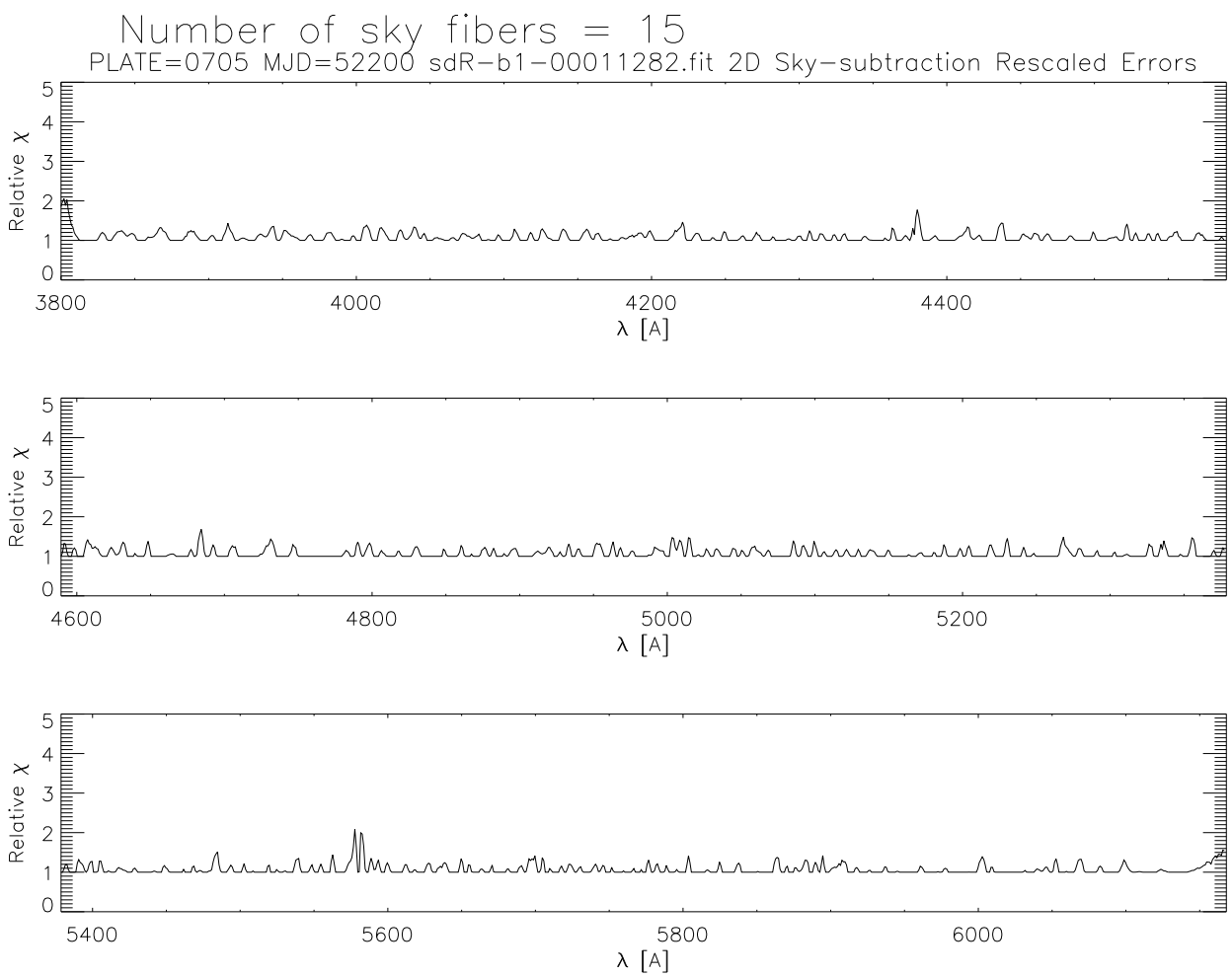

PLATE=0705 MJD=52200 sdR-b1-00011282.fit 1D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
600
400
200
0
-200
-400
5570
5575
5580
5585
5590
λ [A]

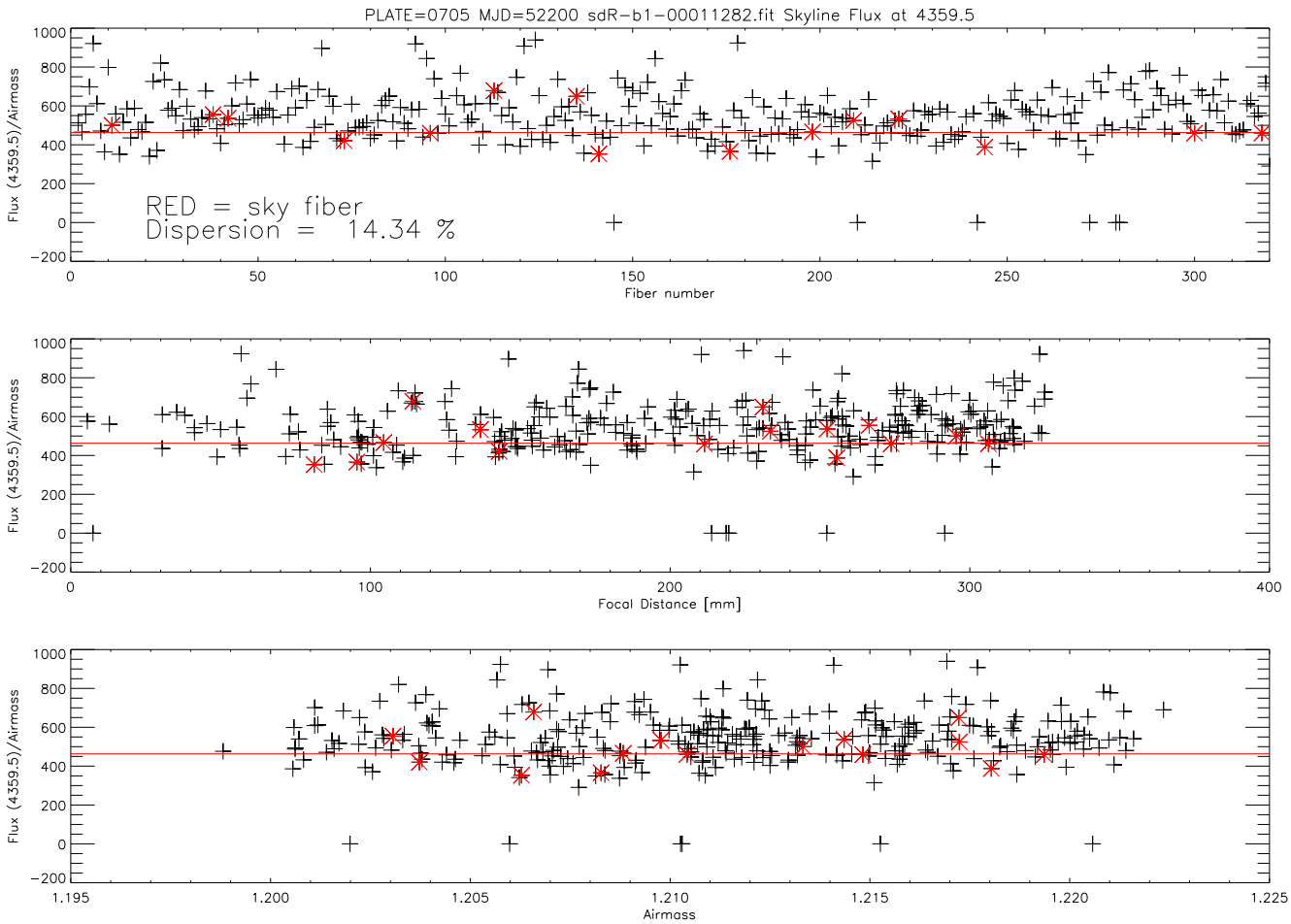

Number of sky fibers = 15
PLATE=0705 MJD=52200 sdR-b1-00011282.fit 1D Sky-subtraction Rescaled Errors
Relative χ
λ [A]
3800
4000
4200
4400
4600
4800
5000
5200
5400
5600
5800
6000

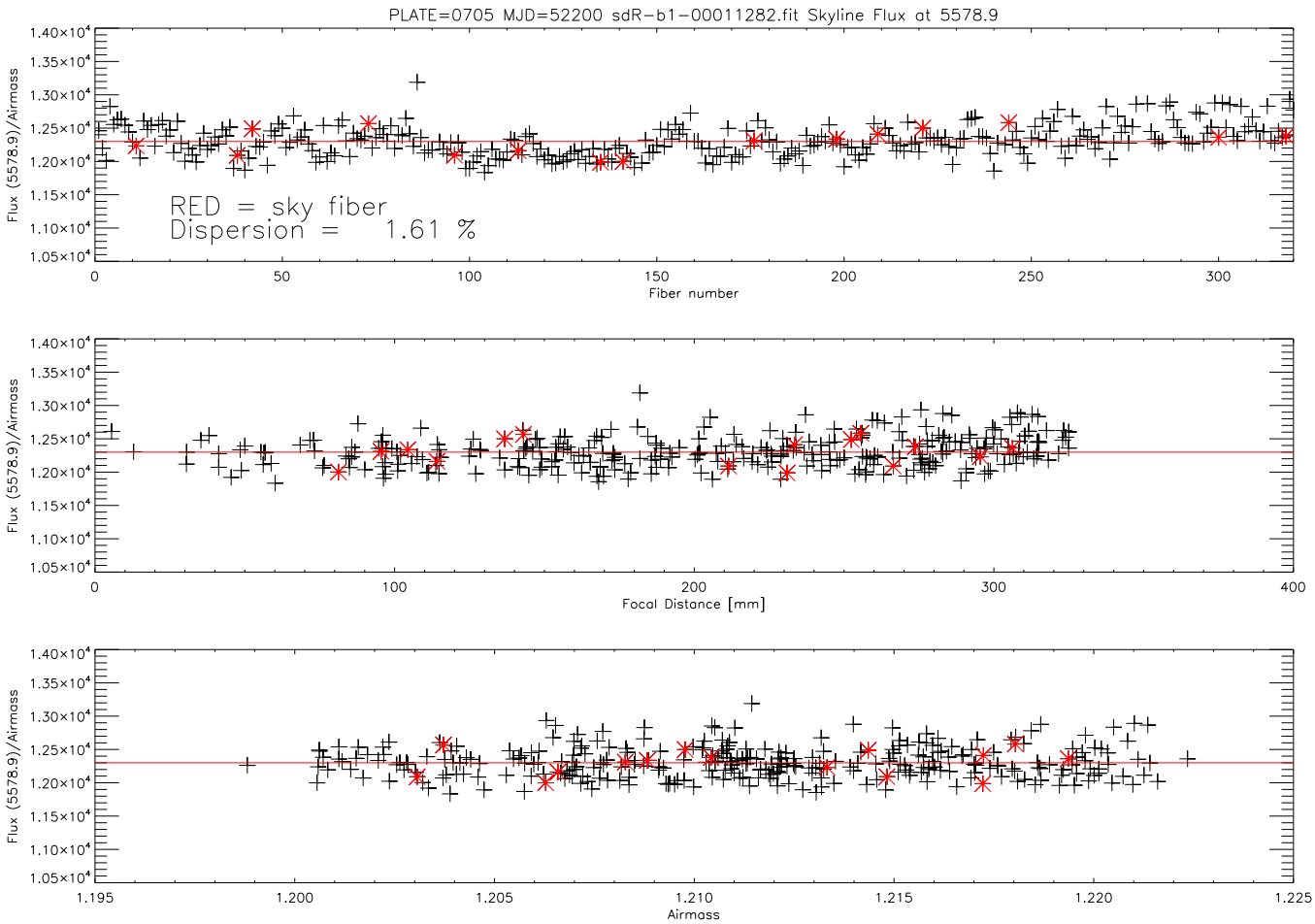

PLATE=0705 MJD=52200 sdR-b1-00011282.fit 2D Sky-subtraction Sky Fiber
Median $\chi^2$
BLUE=After rescaling variance
Fiber number
Median Sky-Sub Flux
Fiber number

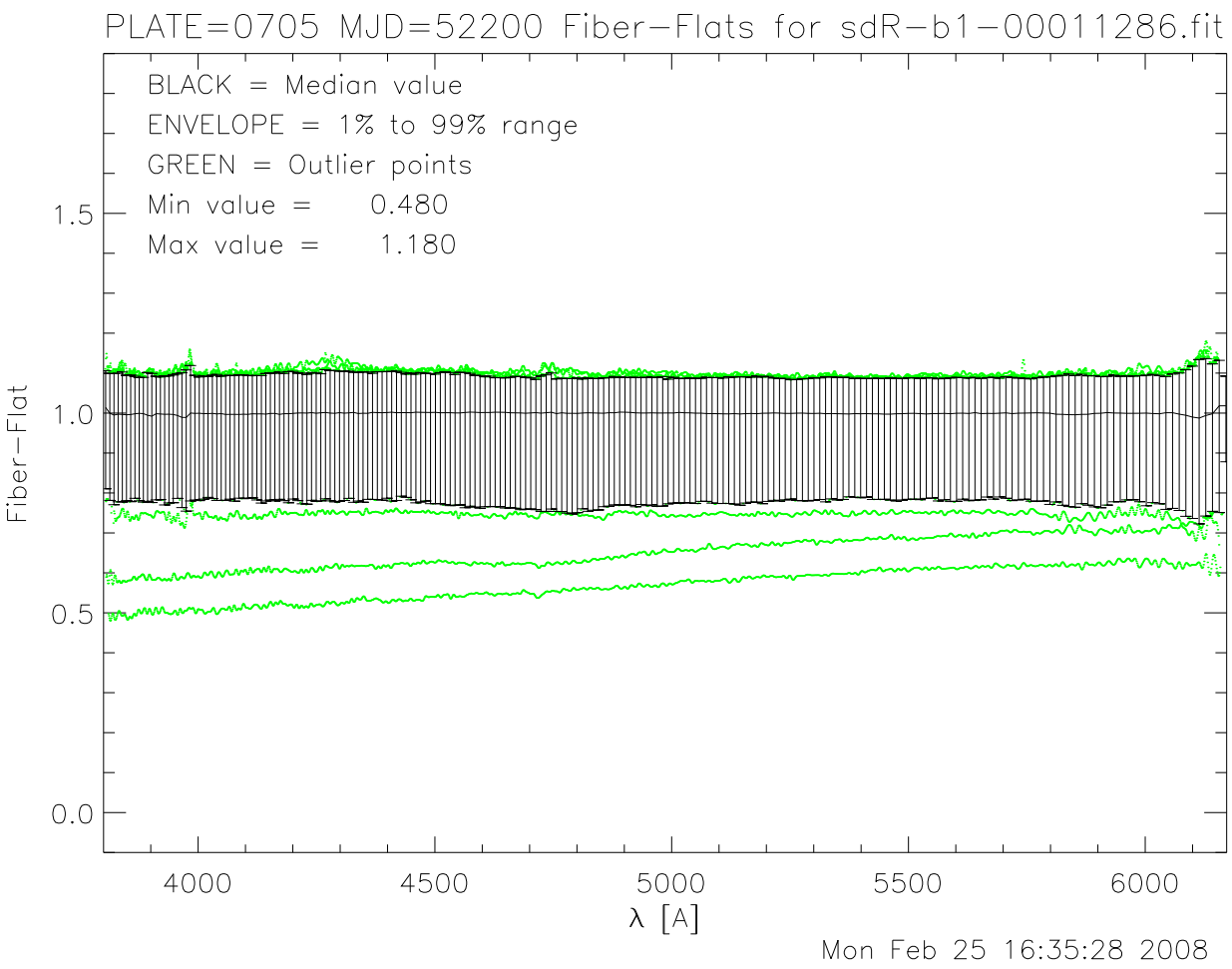

PLATE=0705 MJD=52200 sdR-b1-00011282.fit 2D Sky-subtraction Sky Fibers
Flux [electrons]
8000
6000
4000
2000
0
5570
5575
5580
5585
5590
λ [A]

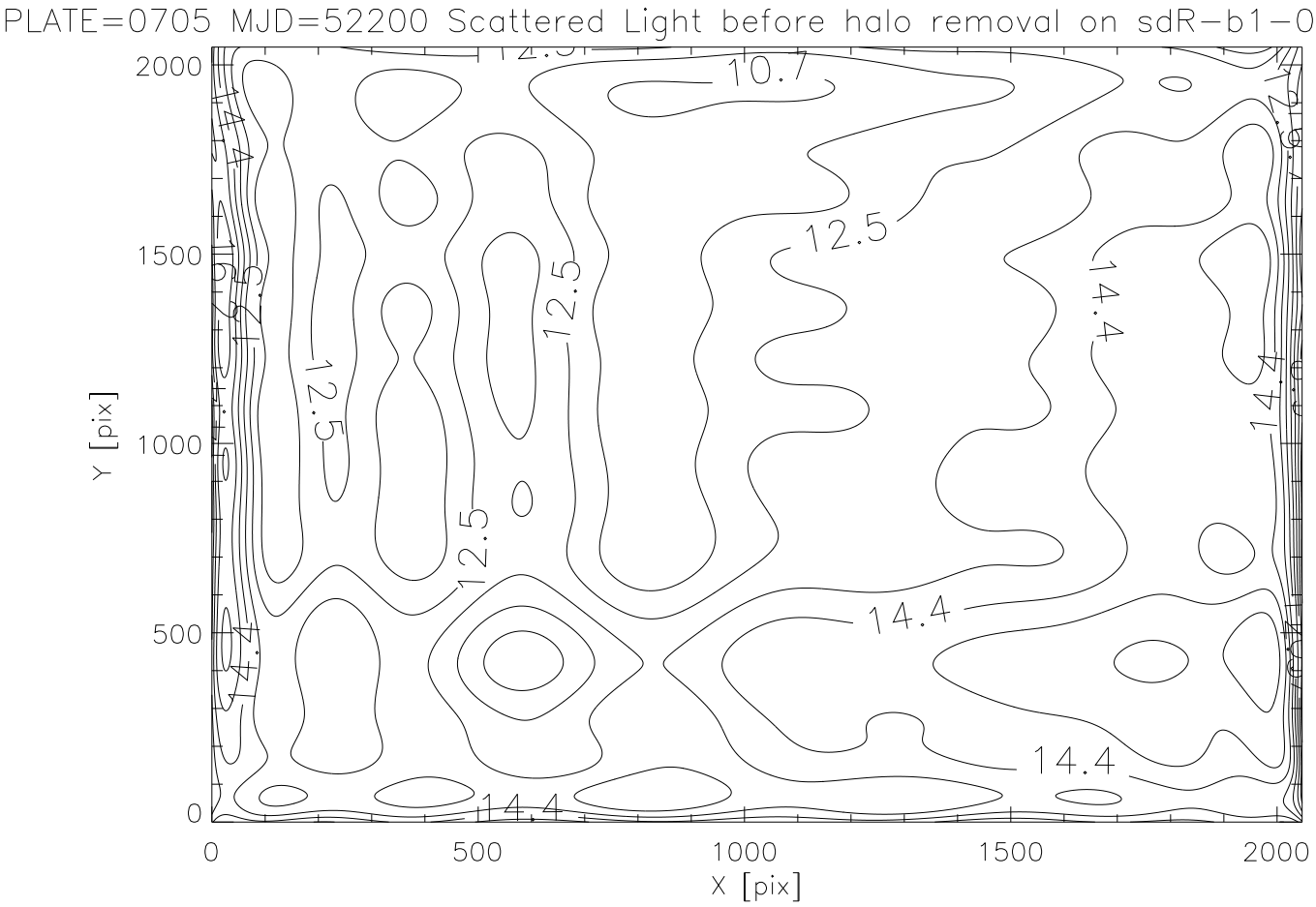

PLATE=0705 MJD=52200 sdR-b1-00011282.fit 2D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
300
200
100
0
-100
-200
5570
5575
5580
5585
5590
λ [A]

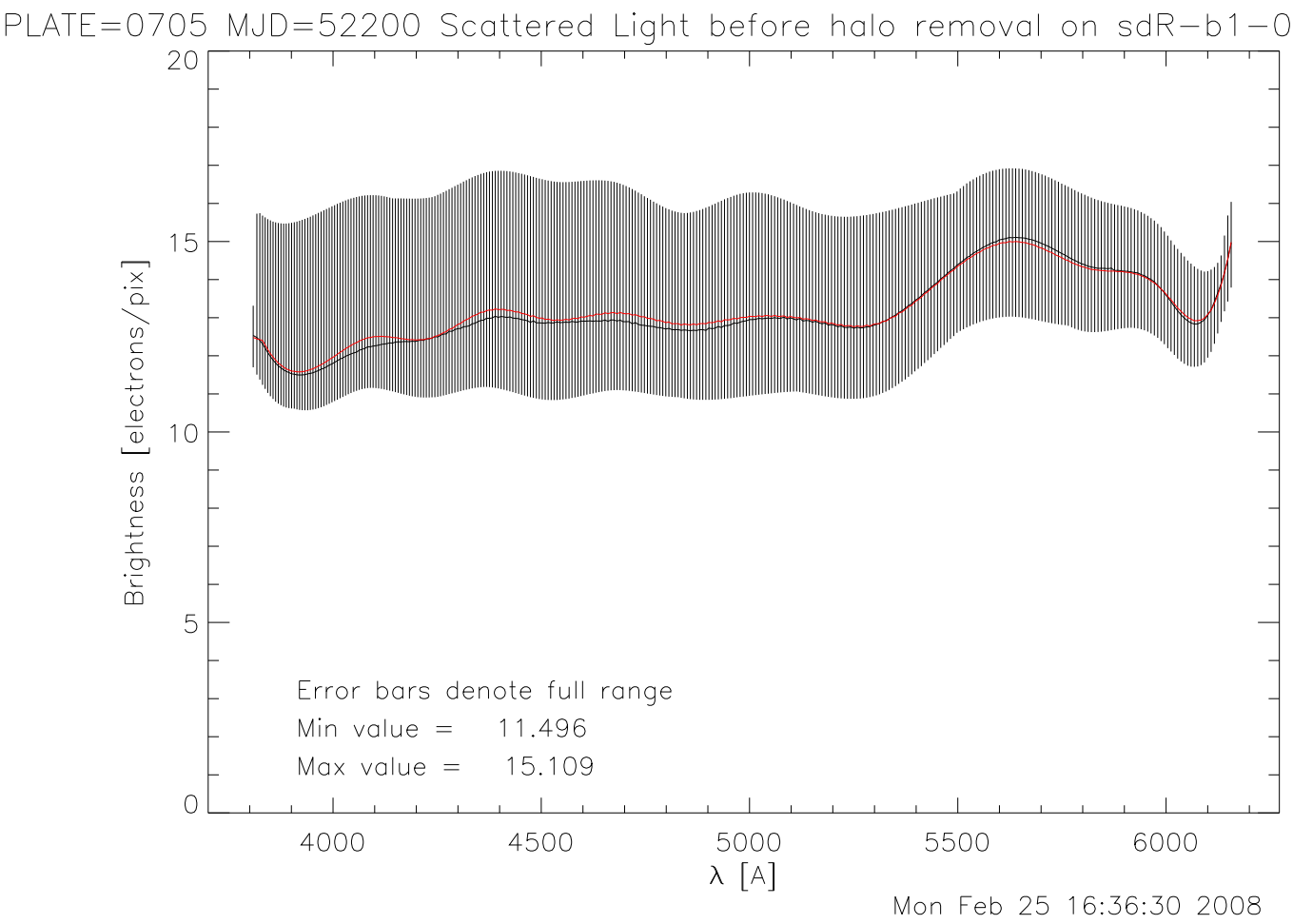

Number of sky fibers = 15
PLATE=0705 MJD=52200 sdR-b1-00011282.fit 2D Sky-subtraction Rescaled Errors
Relative χ
λ [A]
3800
4000
4200
4400
4600
4800
5000
5200
5400
5600
5800
6000

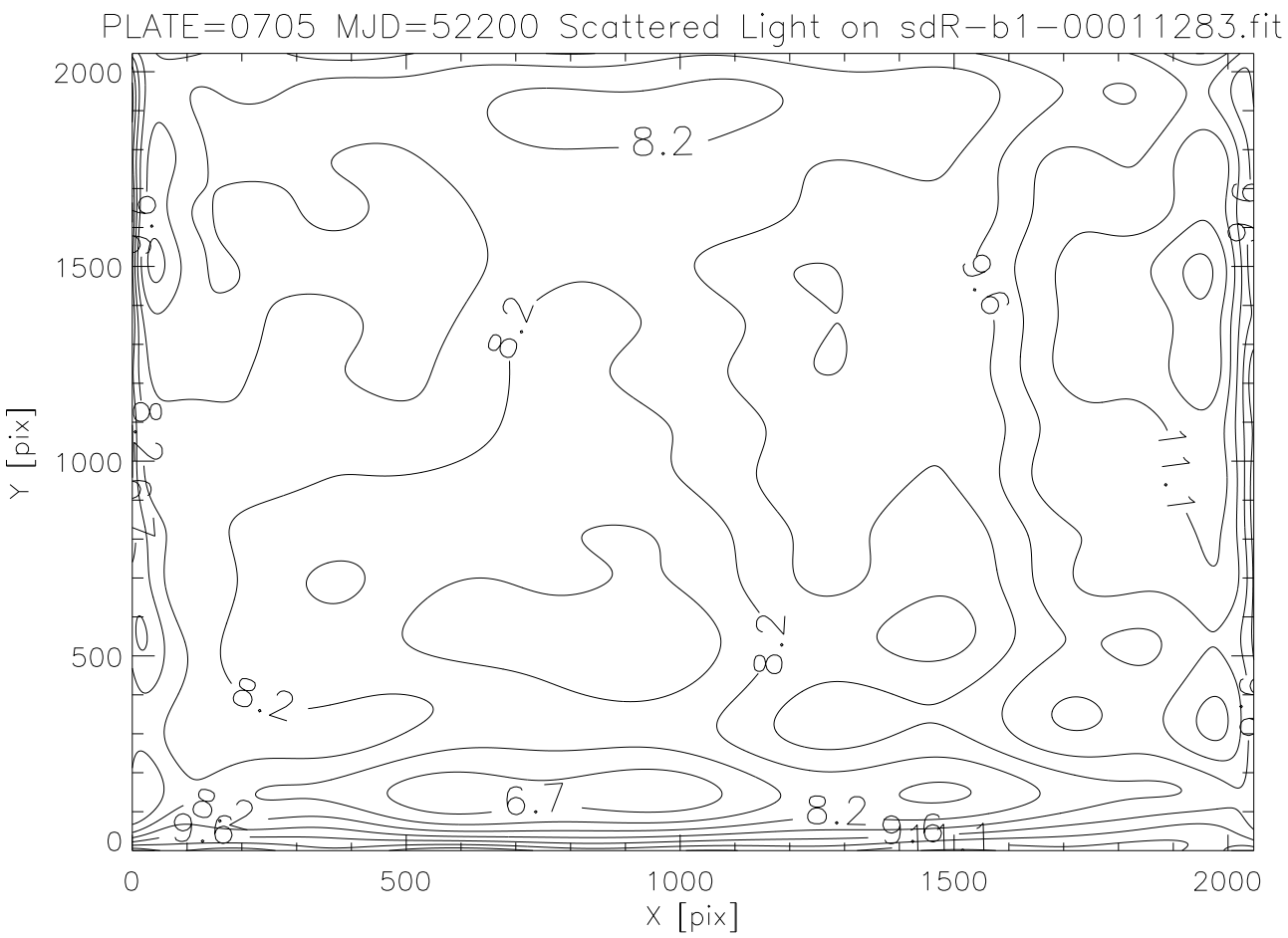

PLATE=0705 MJD=52200 sdR-b1-00011282.fit Skyline Flux at 4359.5
Flux (4359.5)/Airmass
RED = sky fiber
Dispersion = 14.34 %
Fiber number
Flux (4359.5)/Airmass
Focal Distance [mm]
Flux (4359.5)/Airmass
Airmass

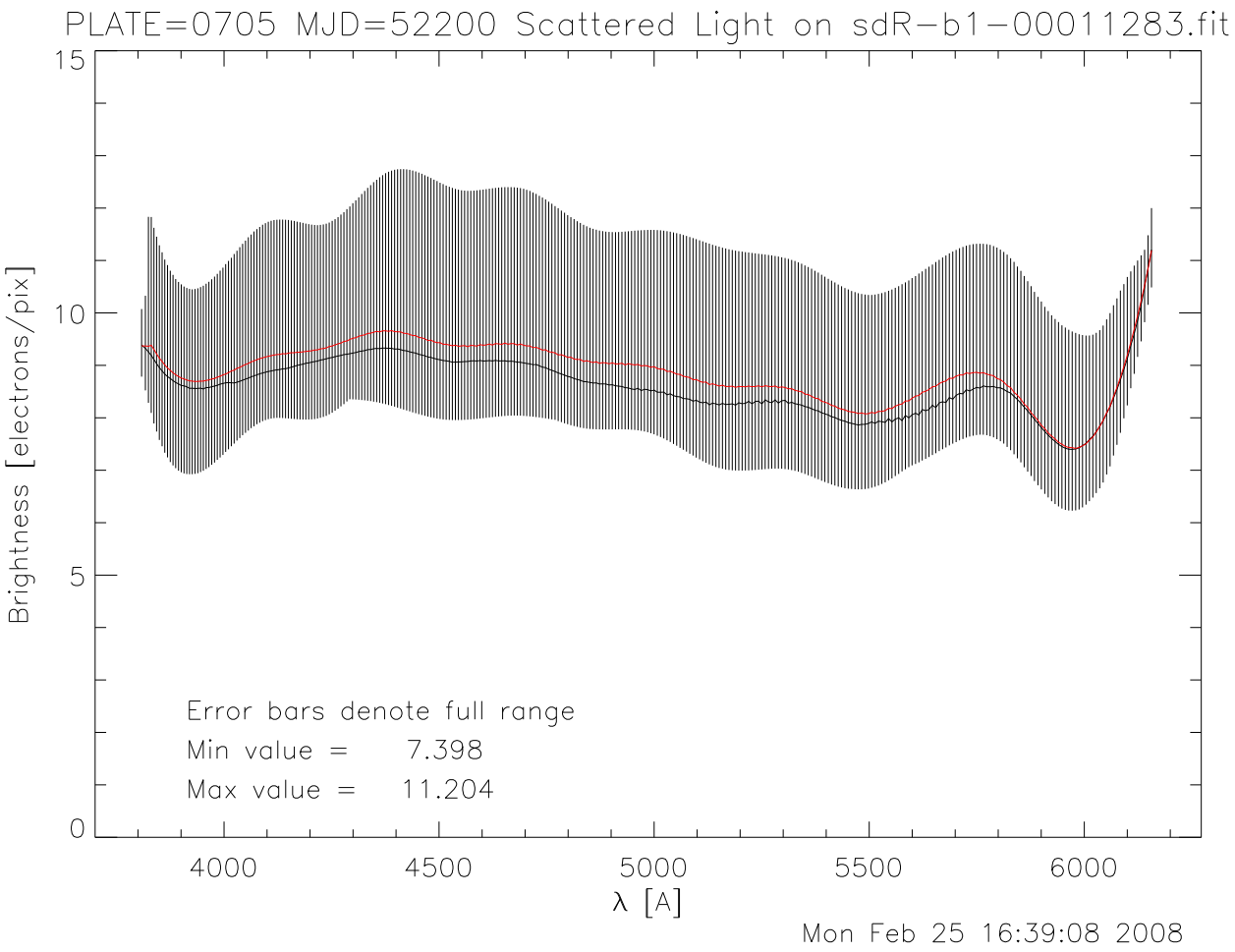

PLATE=0705 MJD=52200 sdR-b1-00011282.fit Skyline Flux at 5578.9
Flux (5578.9)/Airmass
RED = sky fiber
Dispersion = 1.61 %
Fiber number
Flux (5578.9)/Airmass
Focal Distance [mm]
Flux (5578.9)/Airmass
Airmass

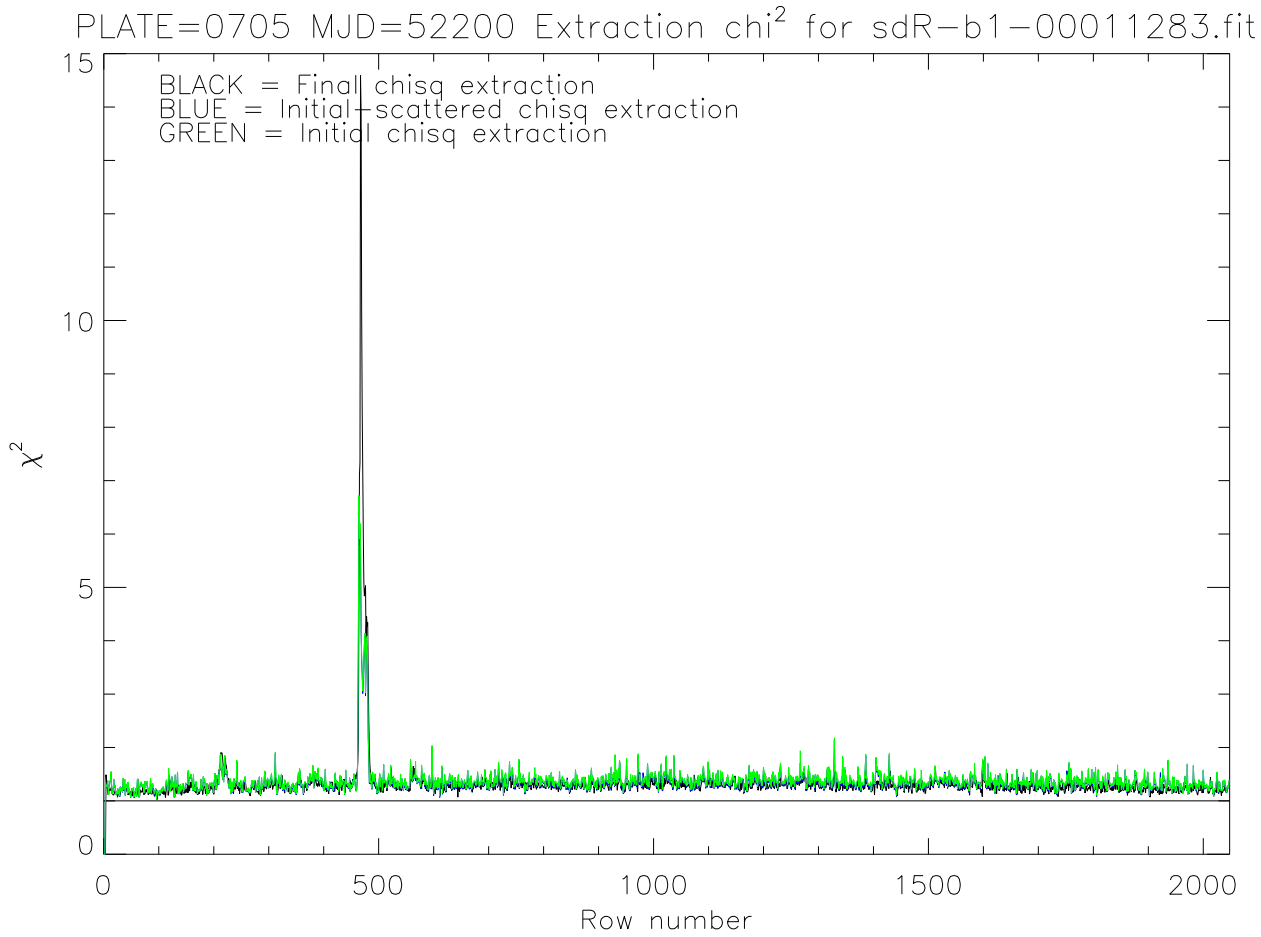

PLATE=0705 MJD=52200 Fiber−Flats for sdR−b1−00011286.fit
BLACK = Median value
ENVELOPE = 1% to 99% range
GREEN = Outlier points
Min value = 0.480
Max value = 1.180
Fiber−Flat
1.5
1.0
0.5
0.0
4000
4500
5000
5500
6000
λ [A]
Mon Feb 25 16:35:28 2008

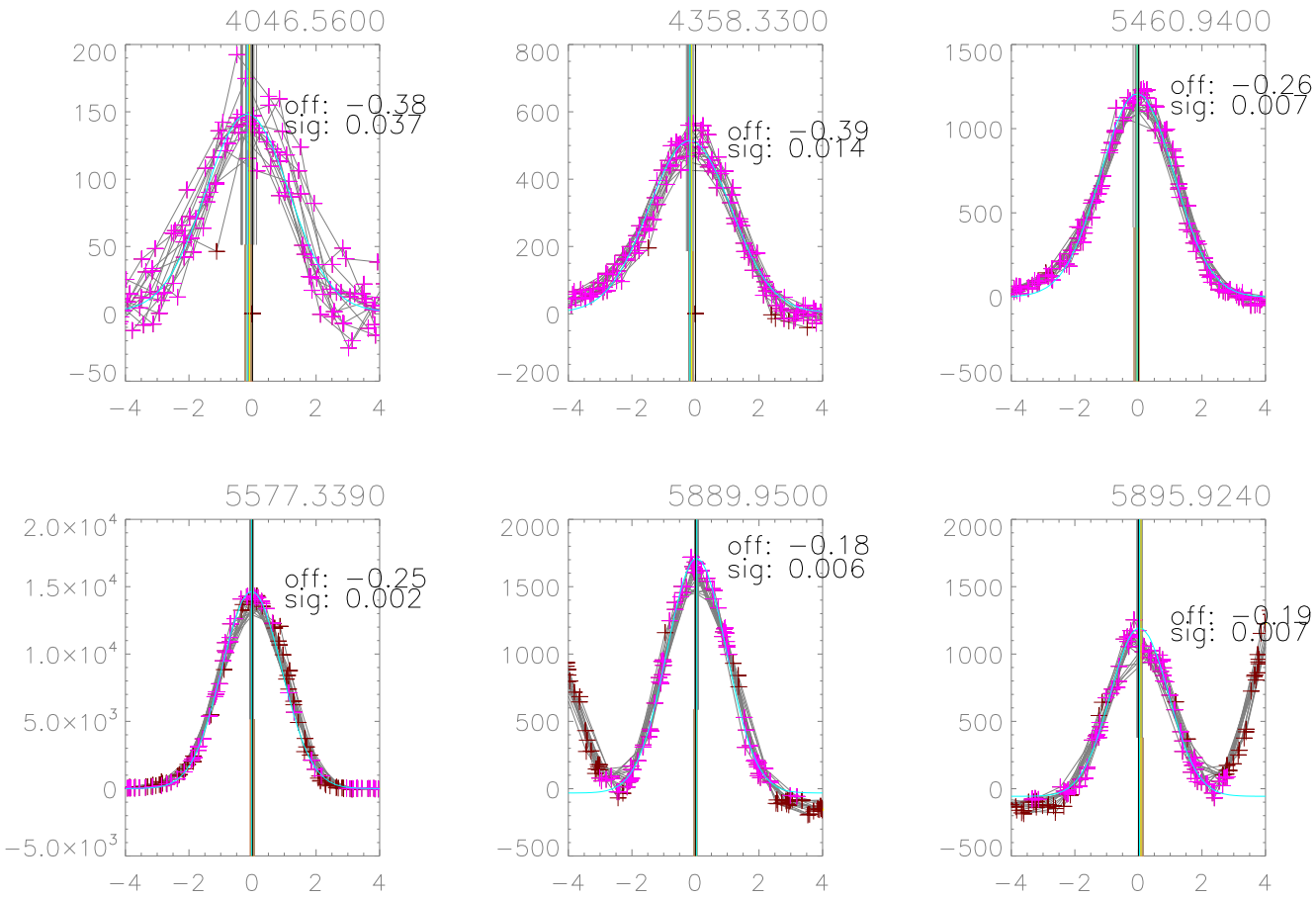

PLATE=0705 MJD=52200 Scattered Light before halo removal on sdR-b1-00011283.f
10.7
12.5
14.4
0
Y [pix]
X [pix]
2000
1500
1000
500
0

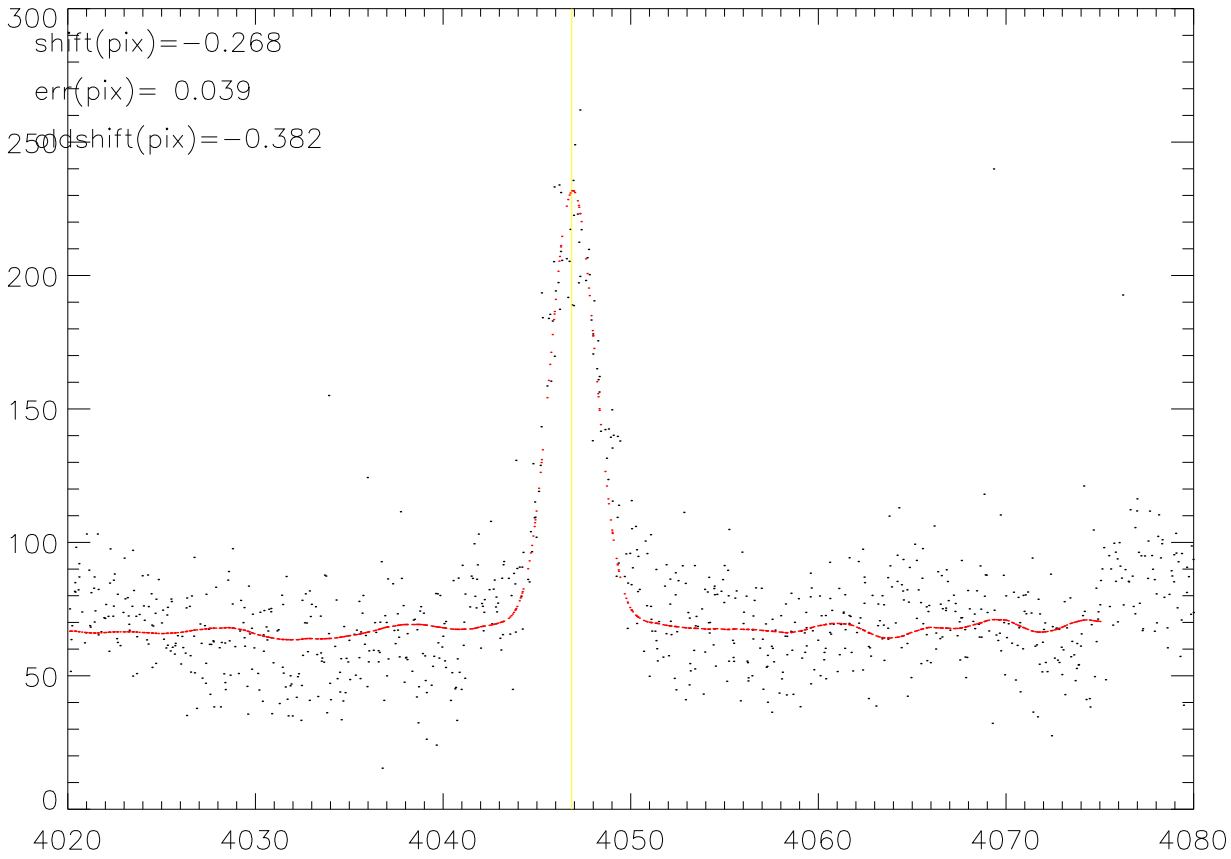

PLATE=0705 MJD=52200 Scattered Light before halo removal on sdR-b1-00011283.f
Brightness [electrons/pix]
20
15
10
5
0
Error bars denote full range
Min value = 11.496
Max value = 15.109
4000
4500
5000
5500
6000
λ [A]
Mon Feb 25 16:36:30 2008

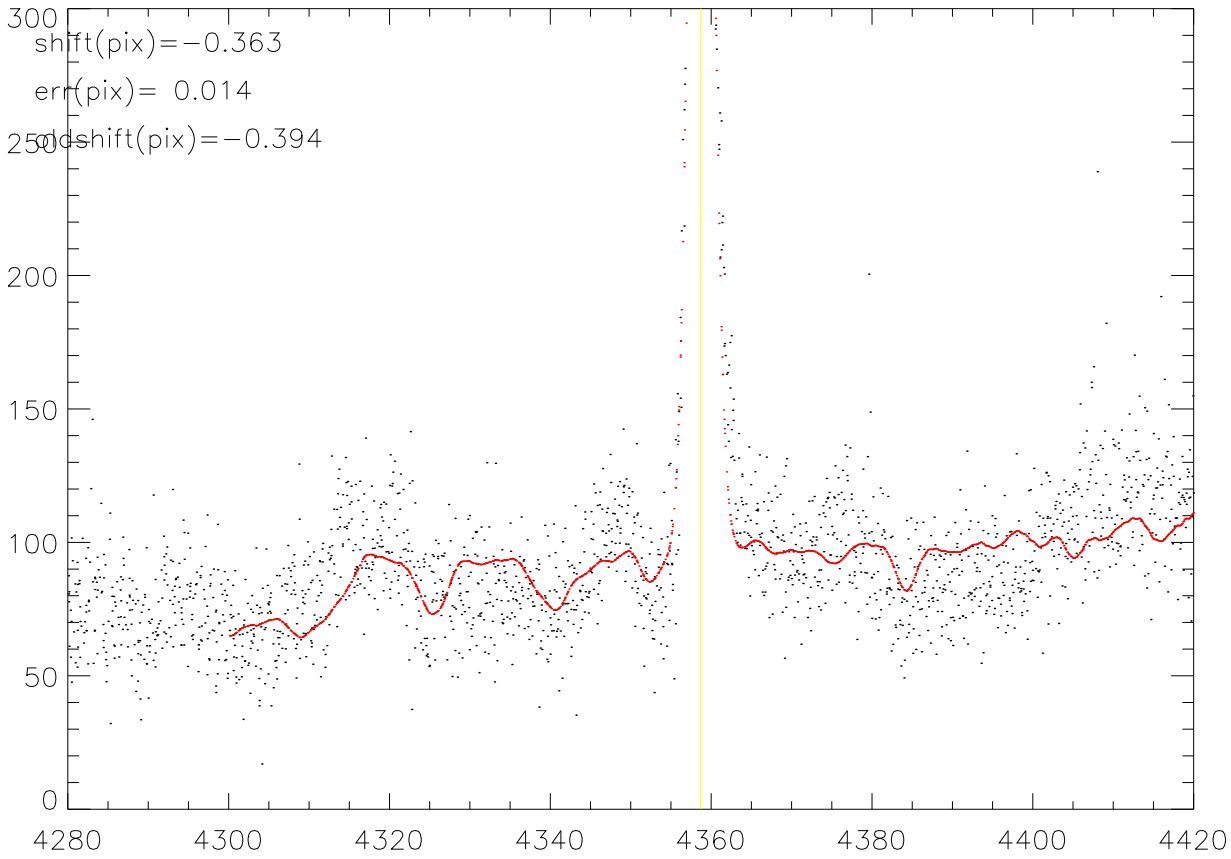

PLATE=0705 MJD=52200 Scattered Light on sdR-b1-00011283.fit
Y [pix]
X [pix]
0
500
1000
1500
2000
8.2
9.6
11.1
6.7

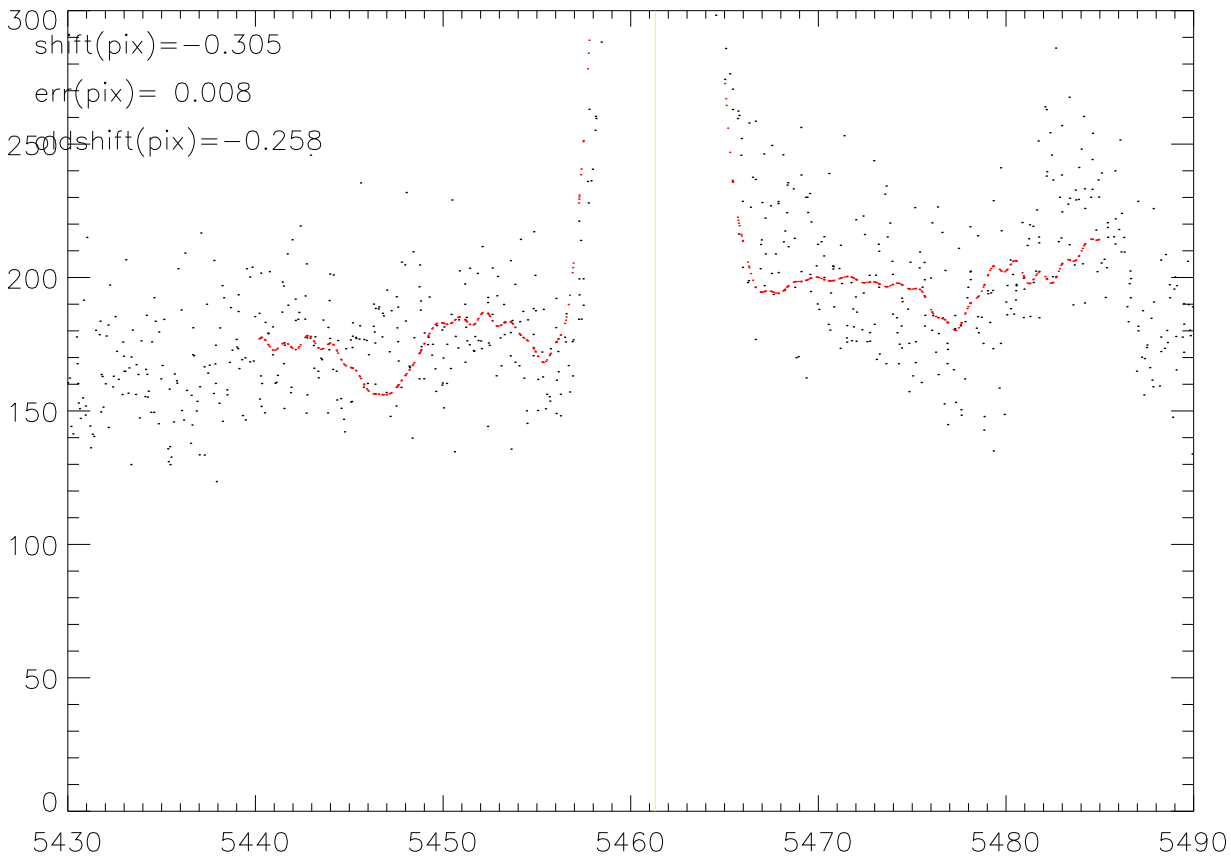

PLATE=0705 MJD=52200 Scattered Light on sdR-b1-00011283.fit
Brightness [electrons/pix]
15
10
5
0
4000
4500
5000
5500
6000
λ [A]
Error bars denote full range
Min value = 7.398
Max value = 11.204
Mon Feb 25 16:39:08 2008

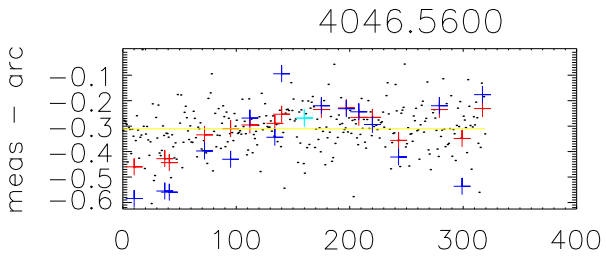

PLATE=0705 MJD=52200 Extraction chi$^2$ for sdR-b1-00011283.fit
BLACK = Final chisq extraction
BLUE = Initial-scattered chisq extraction
GREEN = Initial chisq extraction
$\chi^2$
15
10
5
0
0
500
1000
1500
2000
Row number

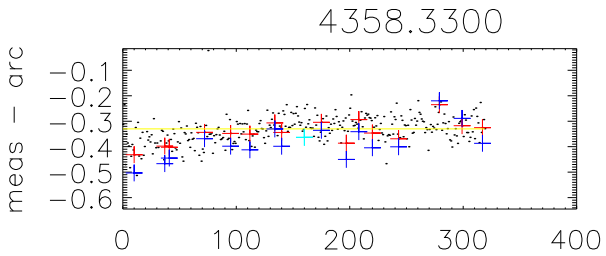

4046.5600
off: −0.38
sig: 0.037
4358.3300
off: −0.39
sig: 0.014
5460.9400
off: −0.26
sig: 0.007
5577.3390
off: −0.25
sig: 0.002
5889.9500
off: −0.18
sig: 0.006
5895.9240
off: −0.19
sig: 0.007

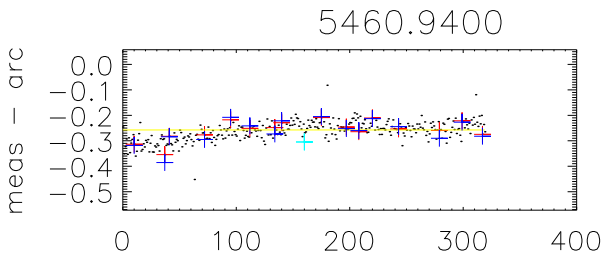

shift(pix)=−0.268
err(pix)= 0.039
oldshift(pix)=−0.382
300
250
200
150
100
50
0
4020
4030
4040
4050
4060
4070
4080

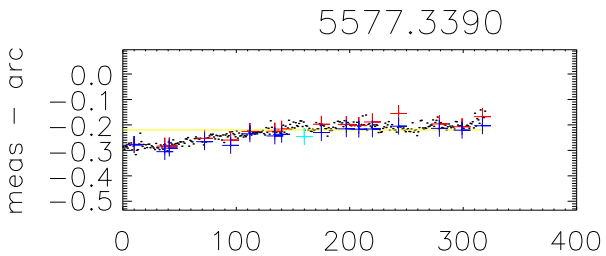

shift(pix)=−0.363
err(pix)= 0.014
oldshift(pix)=−0.394
300
250
200
150
100
50
0
4280
4300
4320
4340
4360
4380
4400
4420

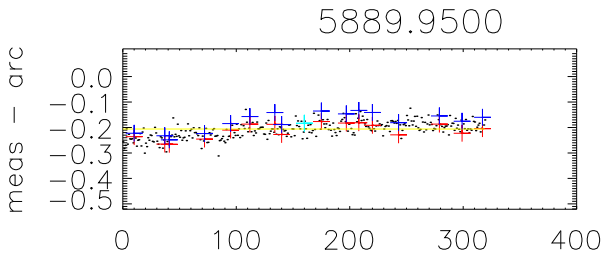

shift(pix)=−0.305
err(pix)= 0.008
oldshift(pix)=−0.258
300
250
200
150
100
50
0
5430
5440
5450
5460
5470
5480
5490

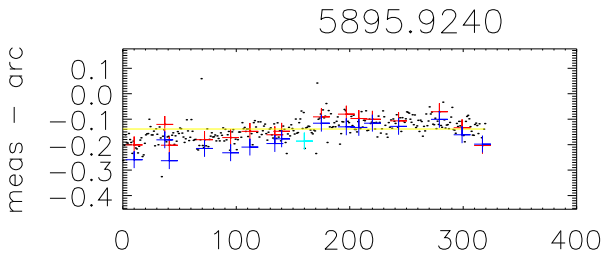

4046.5600
meas − arc
−0.1
−0.2
−0.3
−0.4
−0.5
−0.6
0
100
200
300
400

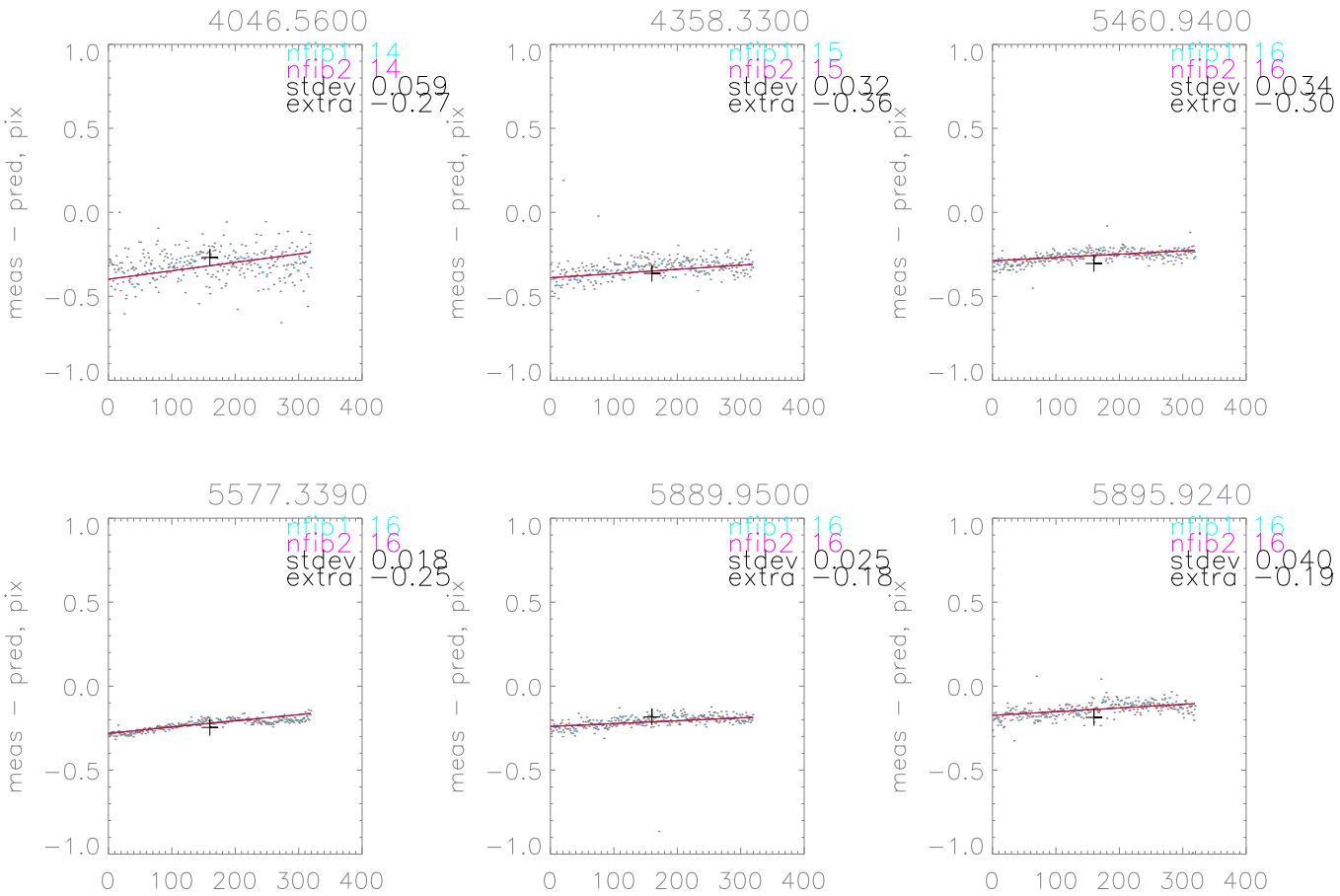

4358.3300
meas − arc
−0.1
−0.2
−0.3
−0.4
−0.5
−0.6
0
100
200
300
400

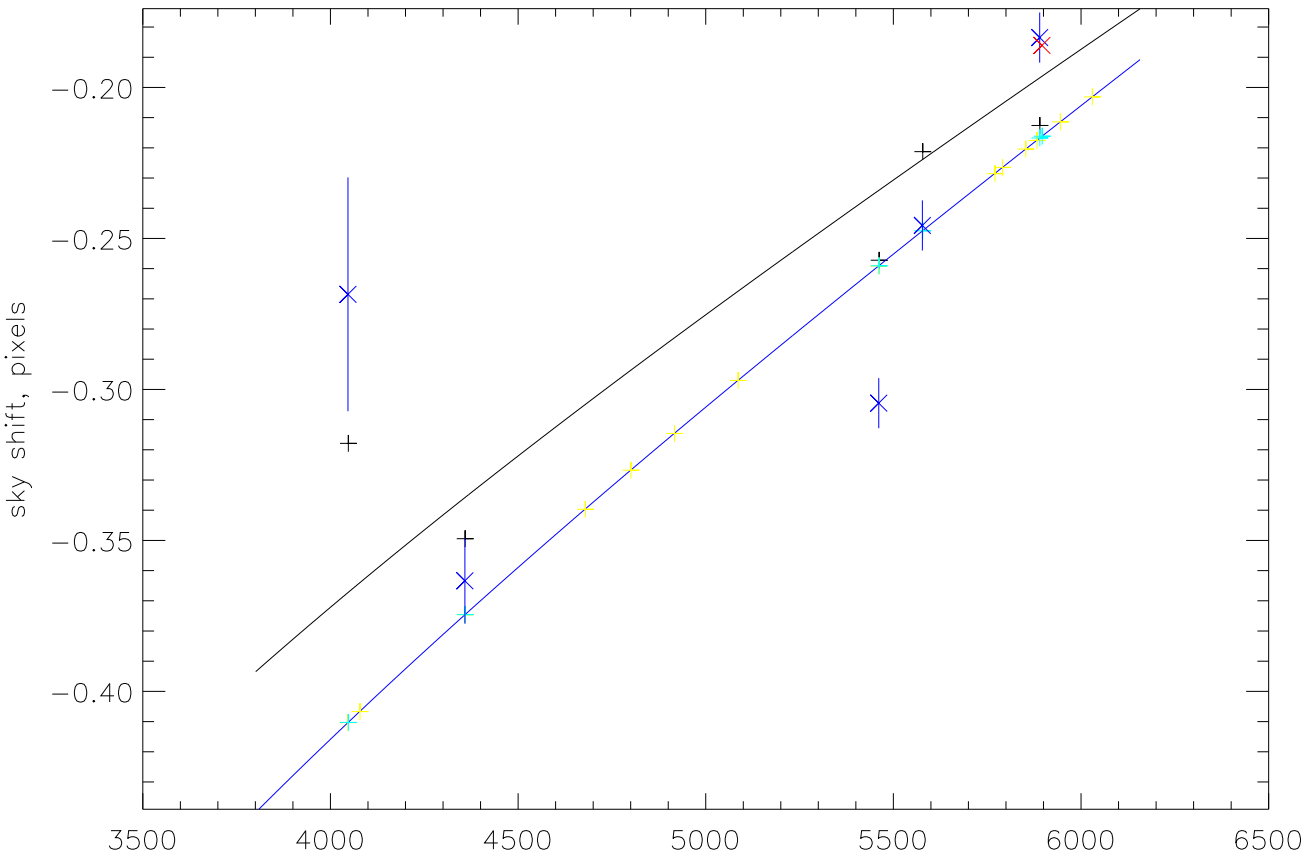

5460.9400
meas − arc
0.0
−0.1
−0.2
−0.3
−0.4
−0.5
0
100
200
300
400

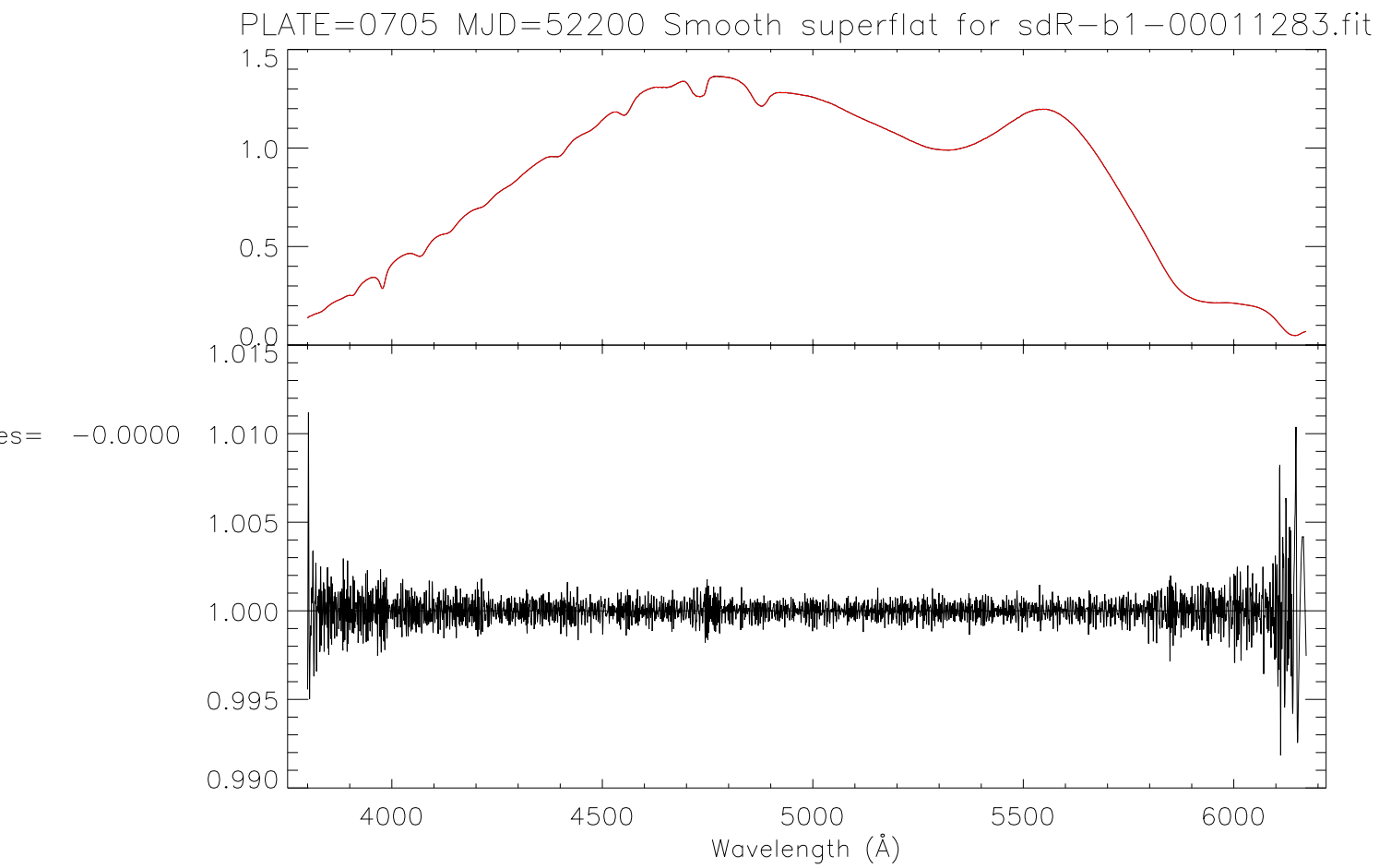

5577.3390
meas − arc
0.0
−0.1
−0.2
−0.3
−0.4
−0.5
0
100
200
300
400

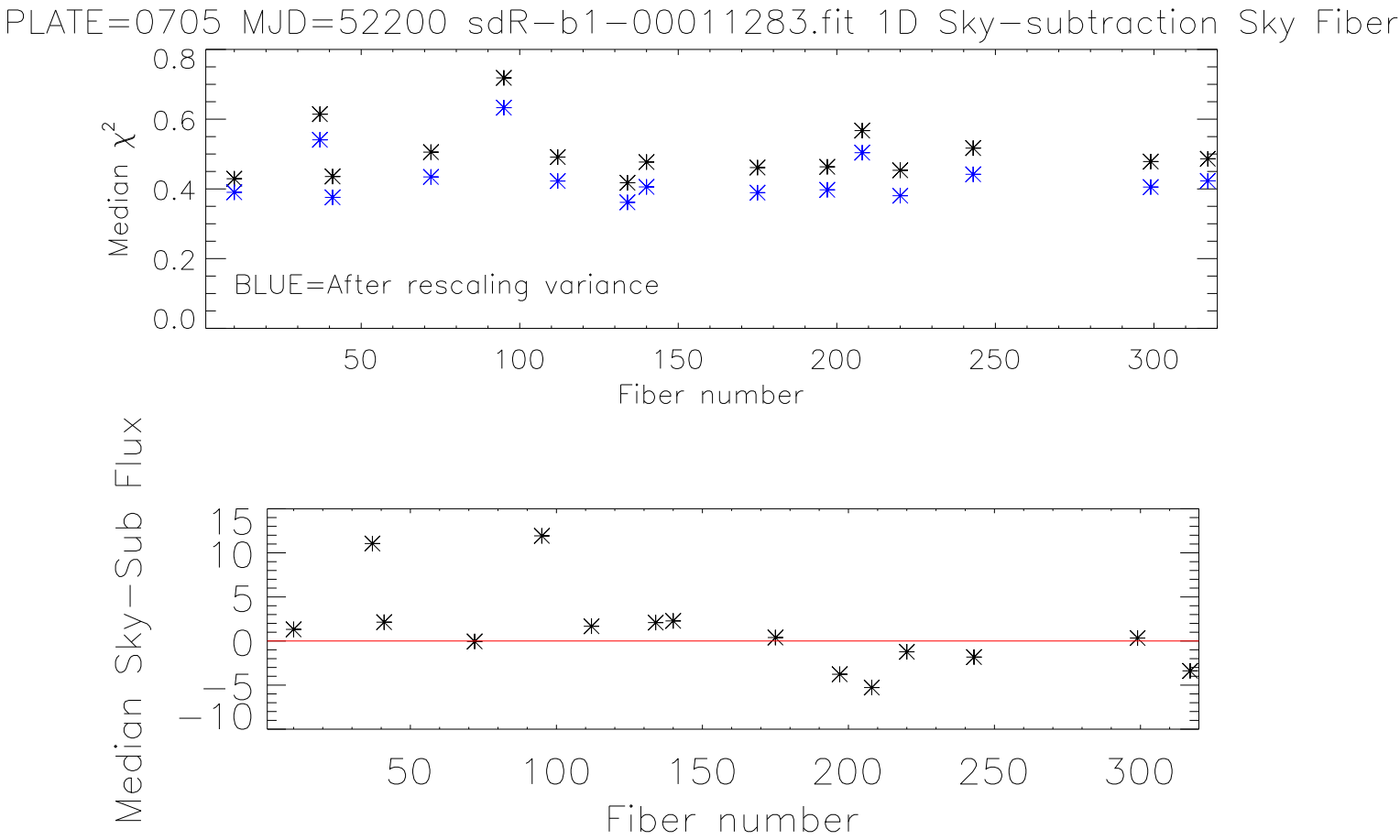

5889.9500
meas − arc
0.0
−0.1
−0.2
−0.3
−0.4
−0.5
0
100
200
300
400

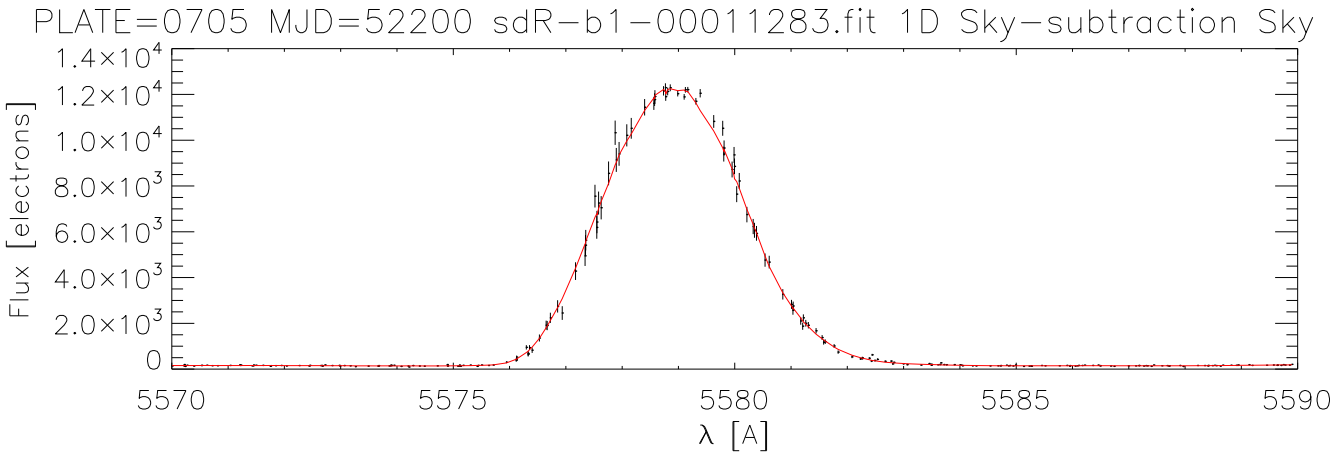

5895.9240
meas − arc
0.1
0.0
−0.1
−0.2
−0.3
−0.4
0
100
200
300
400

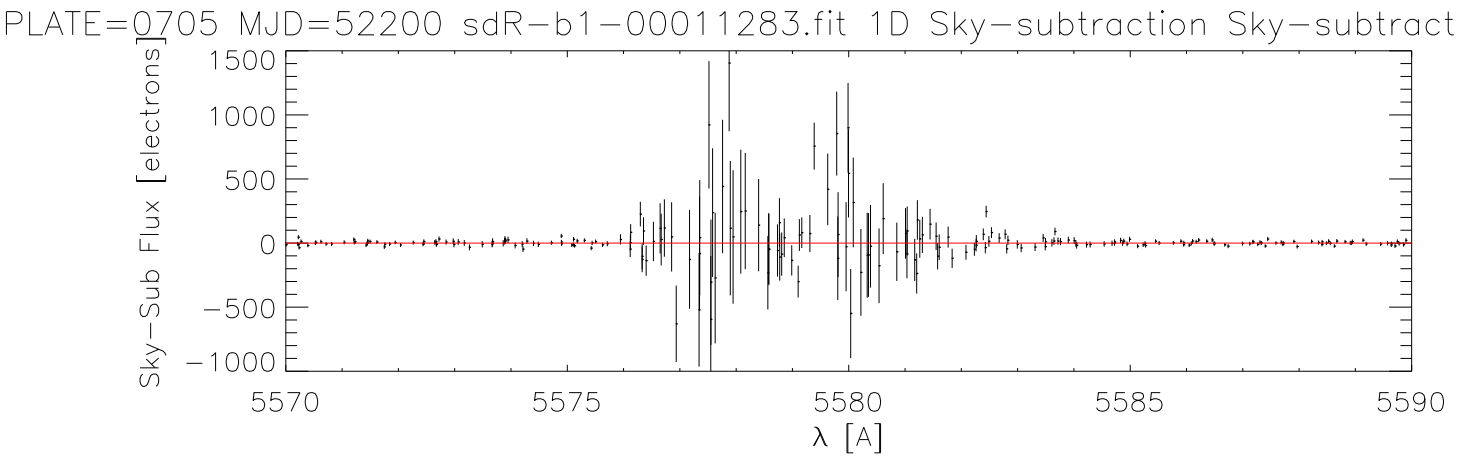

4046.5600
nfib1 14
nfib2 14
stdev 0.059
extra −0.27
4358.3300
nfib1 15
nfib2 15
stdev 0.032
extra −0.36
5460.9400
nfib1 16
nfib2 16
stdev 0.034
extra −0.30
5577.3390
nfib1 16
nfib2 16
stdev 0.018
extra −0.25
5889.9500
nfib1 16
nfib2 16
stdev 0.025
extra −0.18
5895.9240
nfib1 16
nfib2 16
stdev 0.040
extra −0.19
meas − pred, pix
1.0
0.5
0.0
−0.5
−1.0
0
100
200
300
400

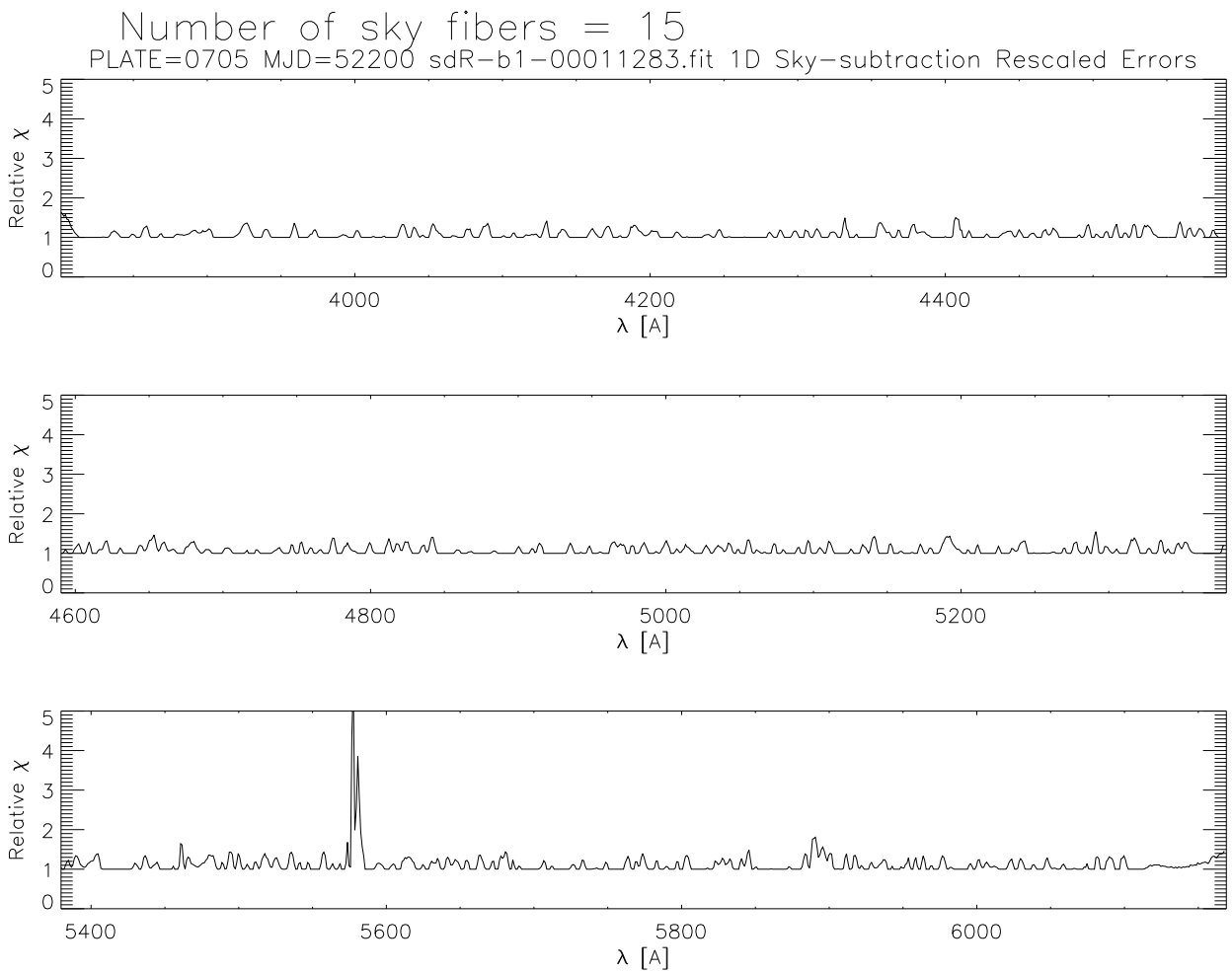

sky shift, pixels
−0.20
−0.25
−0.30
−0.35
−0.40
3500
4000
4500
5000
5500
6000
6500

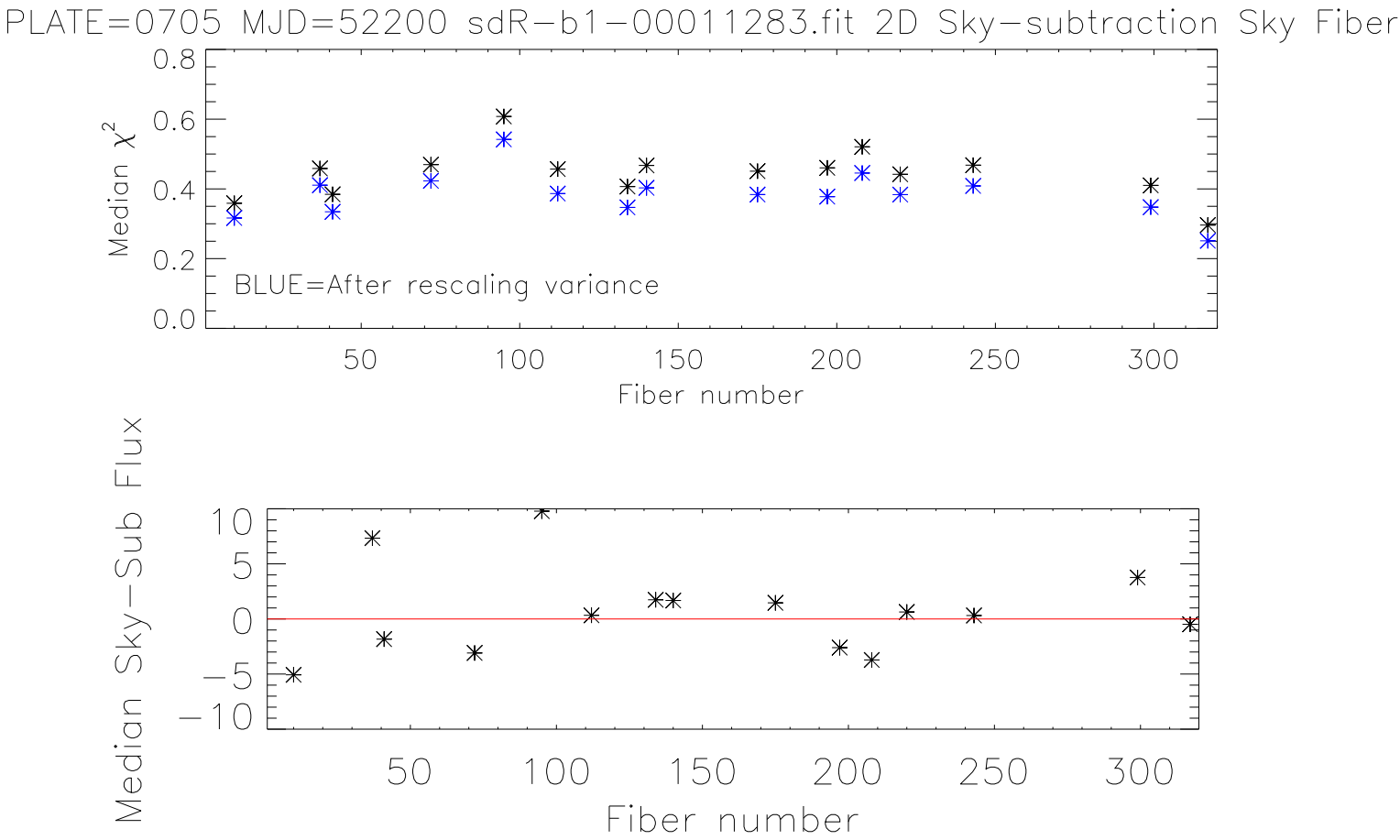

PLATE=0705 MJD=52200 Smooth superflat for sdR-b1-00011283.fit
1.5
1.0
0.5
0.0
1.015
es= -0.0000
1.010
1.005
1.000
0.995
0.990
4000
4500
5000
5500
6000
Wavelength (Å)

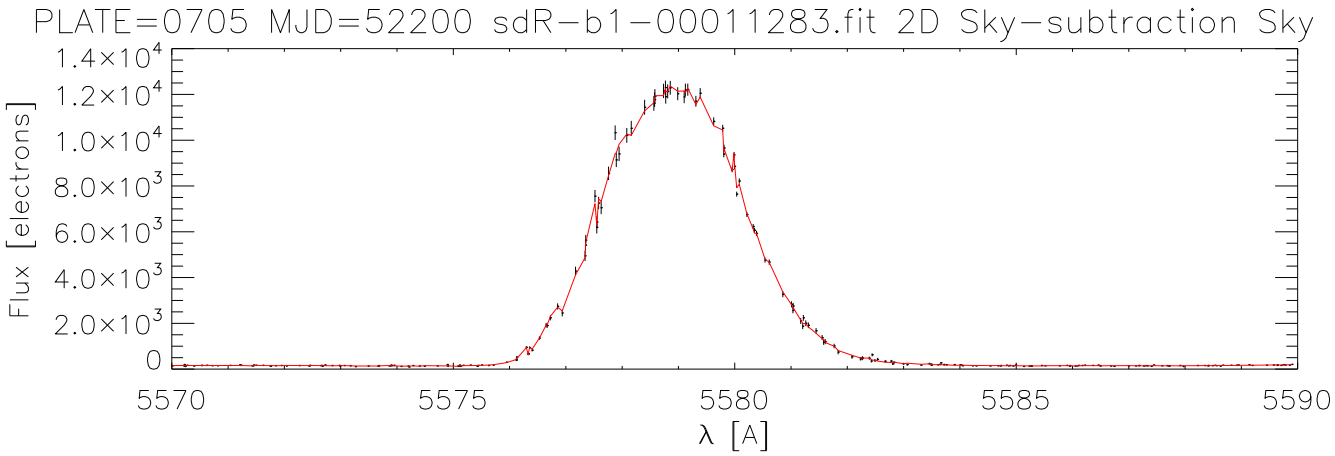

PLATE=0705 MJD=52200 sdR-b1-00011283.fit 1D Sky-subtraction Sky Fiber
Median $\chi^2$
0.0
0.2
0.4
0.6
0.8
BLUE=After rescaling variance
50
100
150
200
250
300
Fiber number
Median Sky-Sub Flux
15
10
5
0
-5
-10
50
100
150
200
250
300
Fiber number

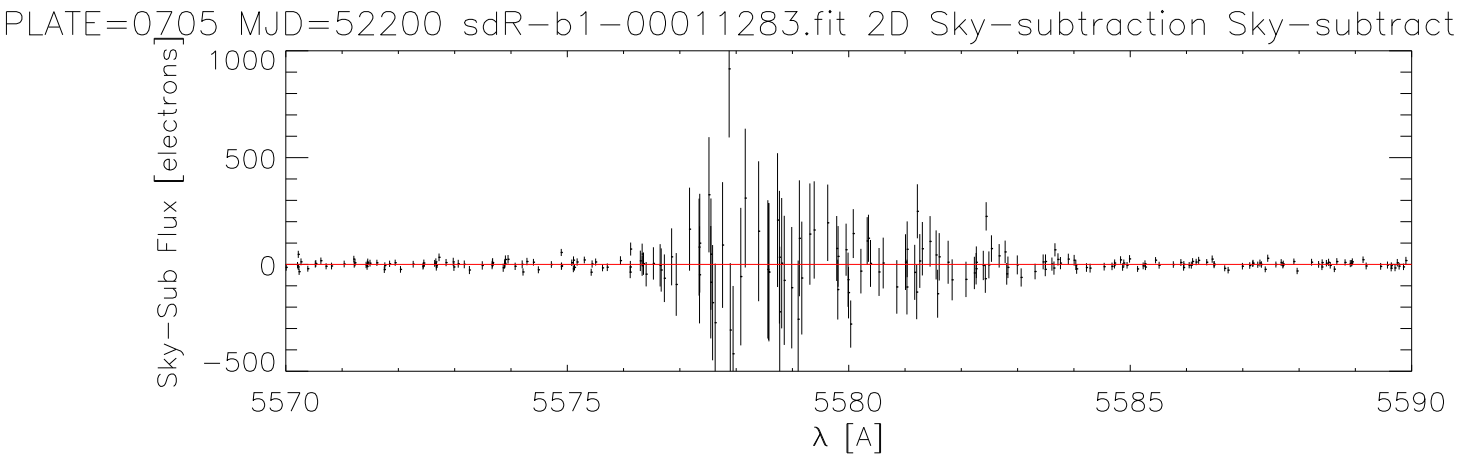

PLATE=0705 MJD=52200 sdR-b1-00011283.fit 1D Sky-subtraction Sky Fibers
Flux [electrons]
1.4×10^4
1.2×10^4
1.0×10^4
8.0×10^3
6.0×10^3
4.0×10^3
2.0×10^3
0
5570
5575
5580
5585
5590
λ [A]

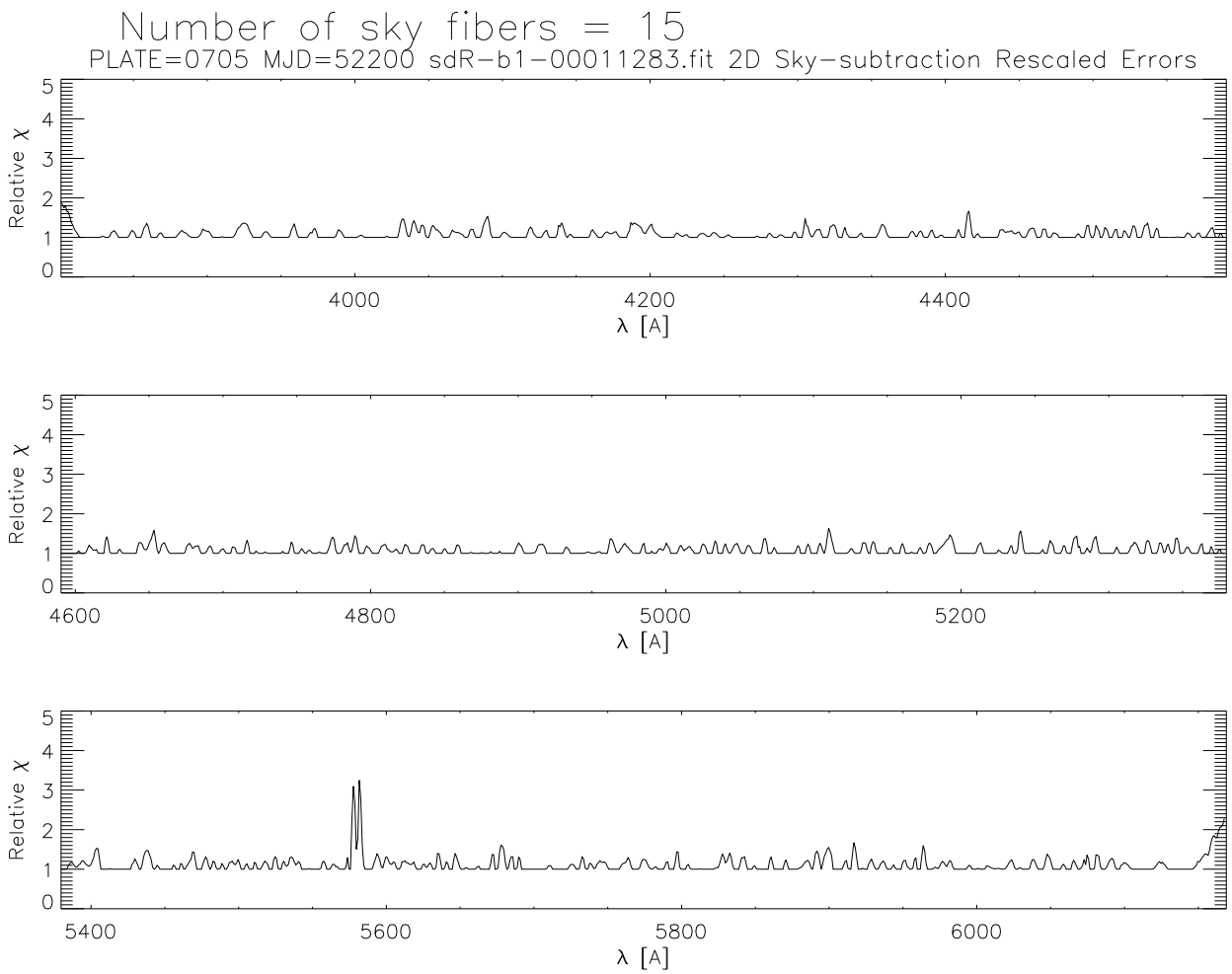

PLATE=0705 MJD=52200 sdR-b1-00011283.fit 1D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
1500
1000
500
0
−500
−1000
5570
5575
5580
5585
5590
λ [A]

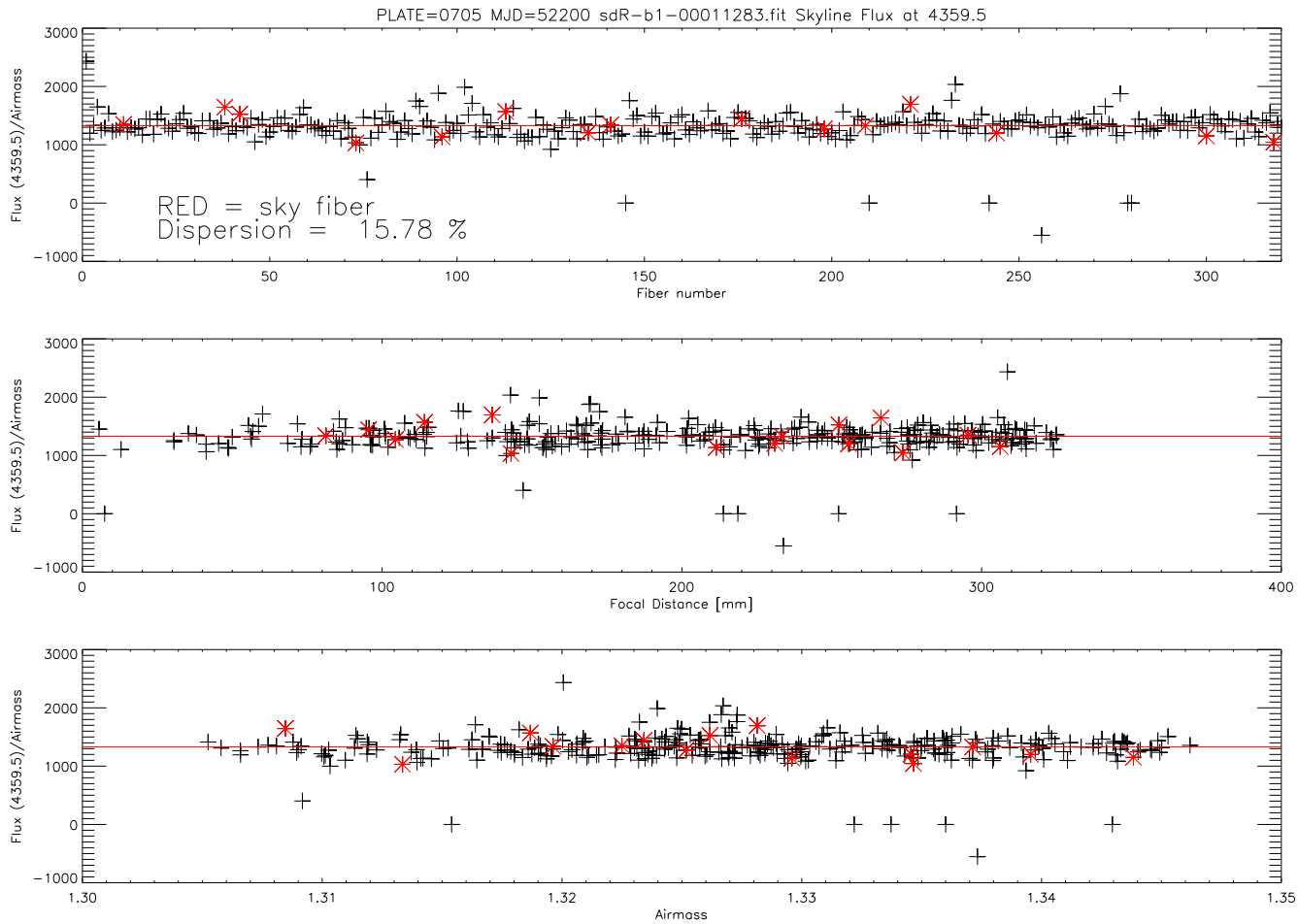

Number of sky fibers = 15
PLATE=0705 MJD=52200 sdR-b1-00011283.fit 1D Sky-subtraction Rescaled Errors
Relative χ
λ [A]
4000
4200
4400
4600
4800
5000
5200
5400
5600
5800
6000

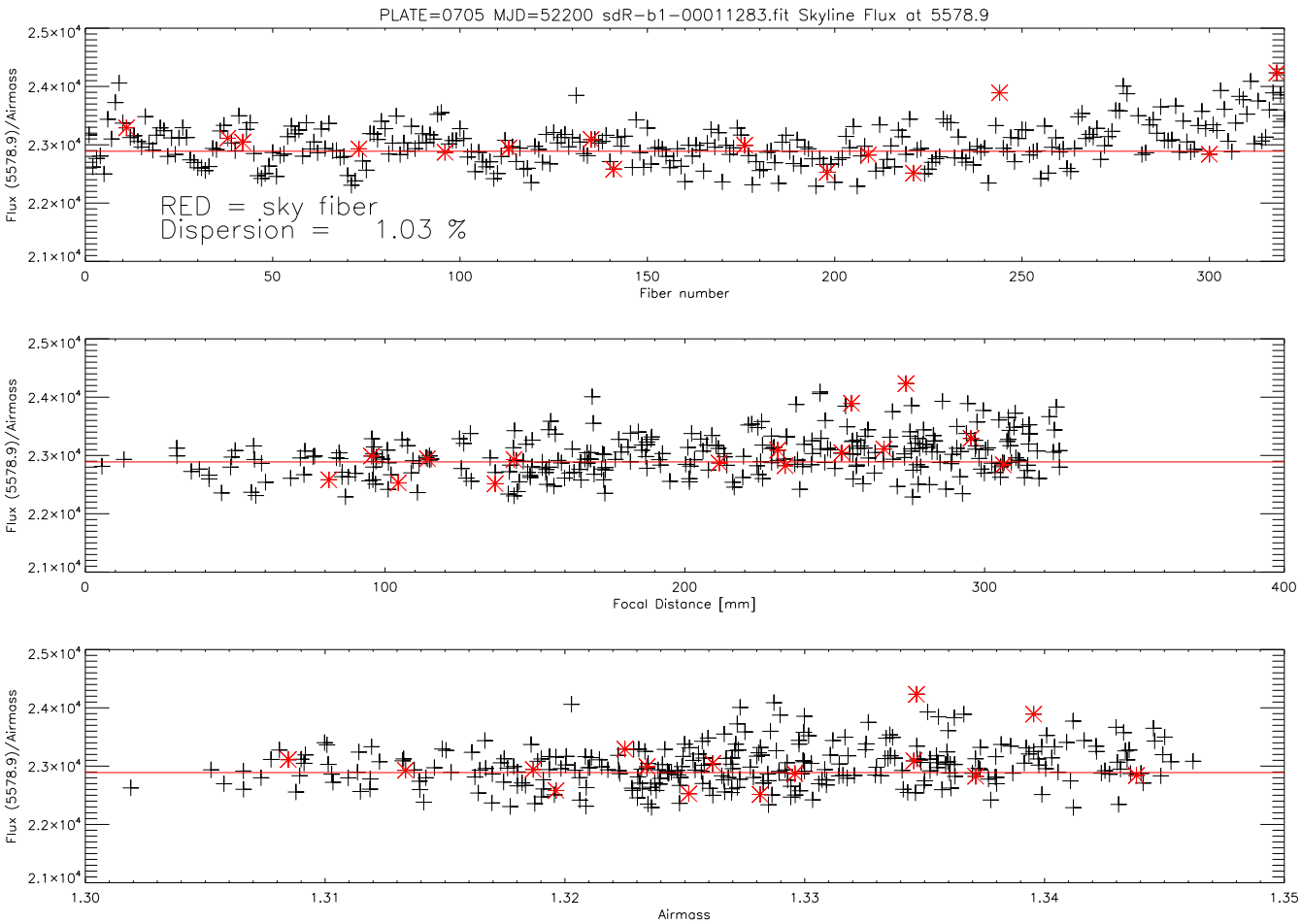

PLATE=0705 MJD=52200 sdR-b1-00011283.fit 2D Sky-subtraction Sky Fiber
Median $\chi^2$
0.0
0.2
0.4
0.6
0.8
BLUE=After rescaling variance
50
100
150
200
250
300
Fiber number
Median Sky-Sub Flux
10
5
0
−5
−10
50
100
150
200
250
300
Fiber number

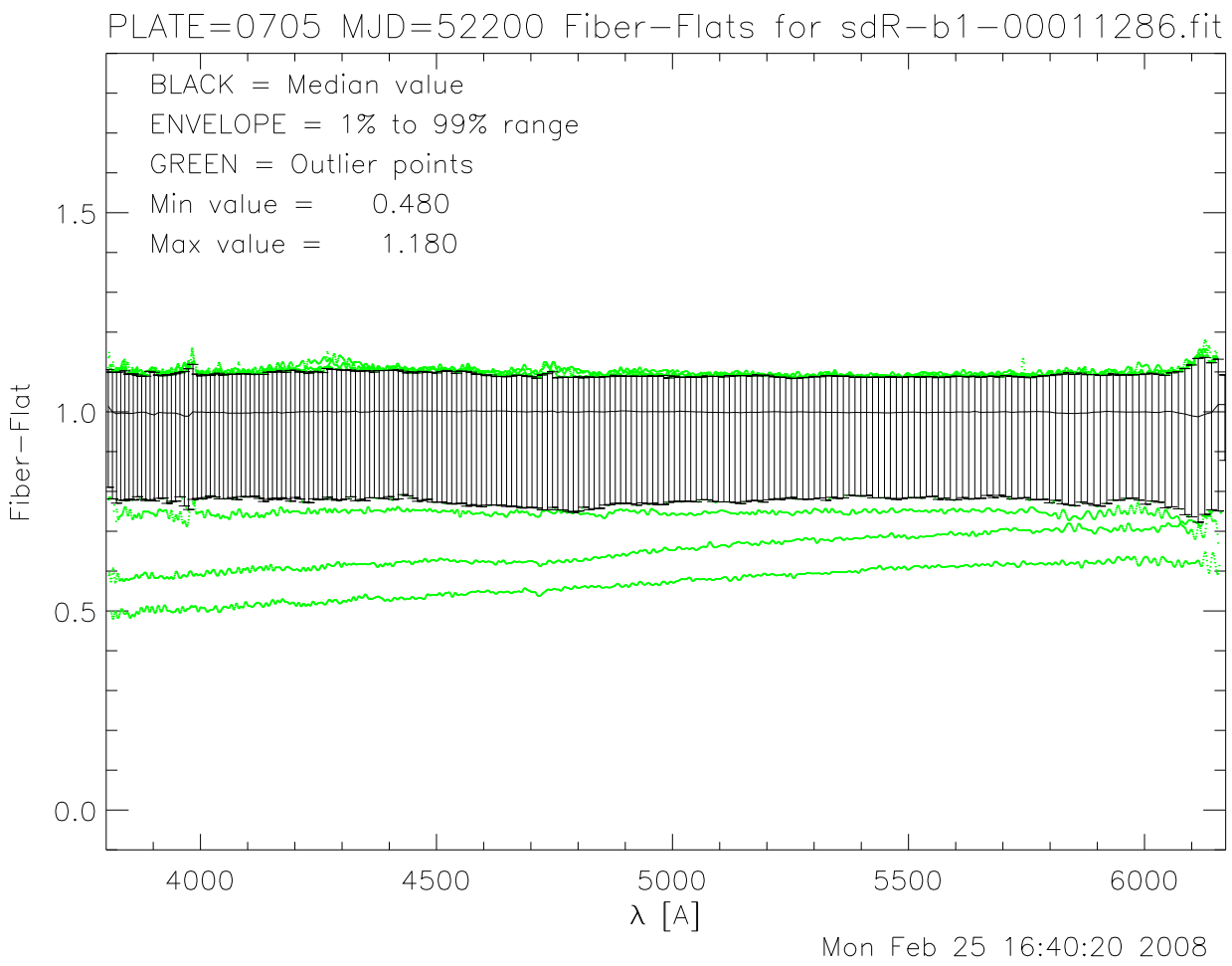

PLATE=0705 MJD=52200 sdR-b1-00011283.fit 2D Sky-subtraction Sky Fibers
Flux [electrons]
1.4×10^4
1.2×10^4
1.0×10^4
8.0×10^3
6.0×10^3
4.0×10^3
2.0×10^3
0
5570
5575
5580
5585
5590
λ [A]

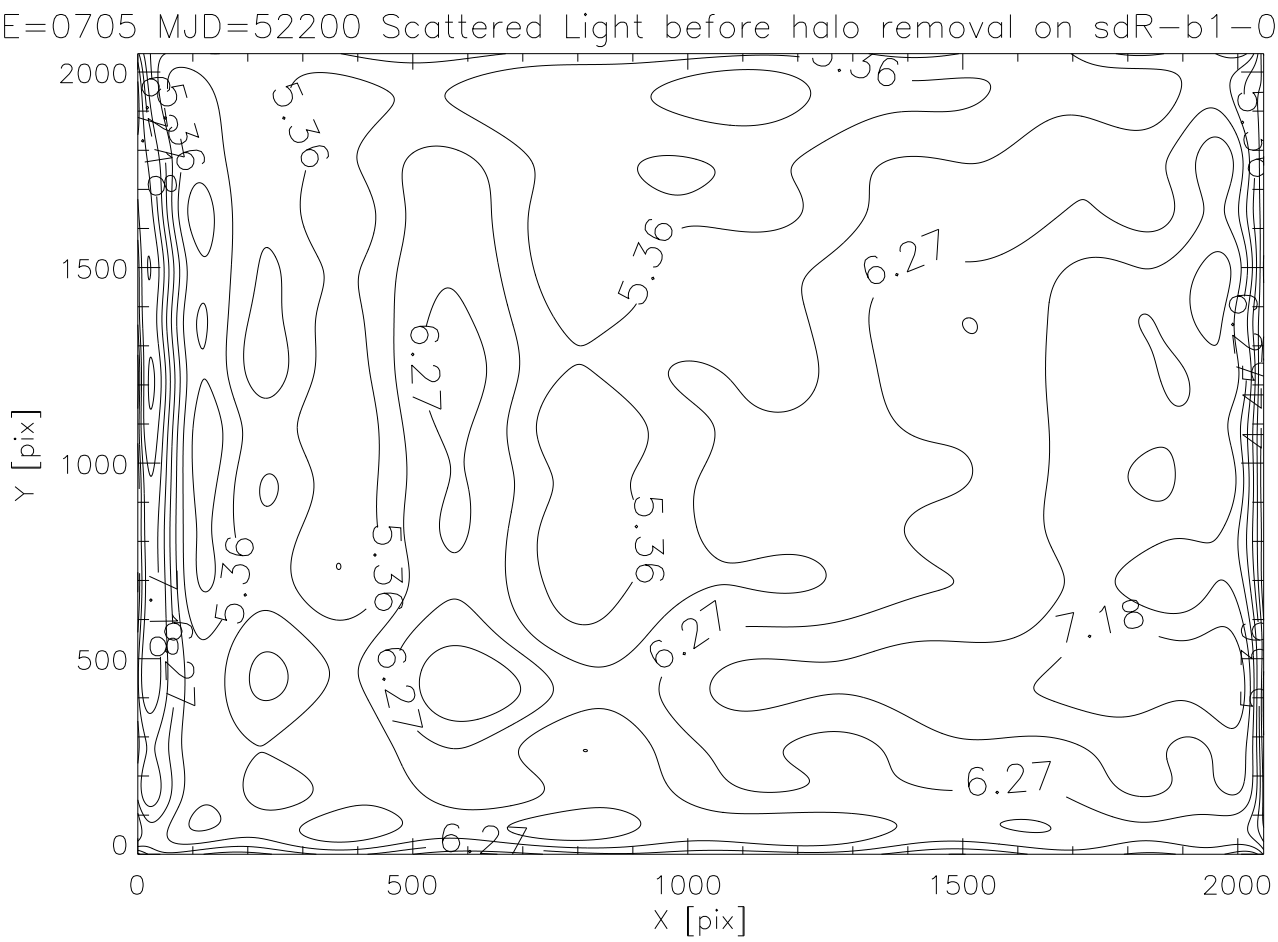

PLATE=0705 MJD=52200 sdR-b1-00011283.fit 2D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
1000
500
0
−500
5570
5575
5580
5585
5590
λ [A]

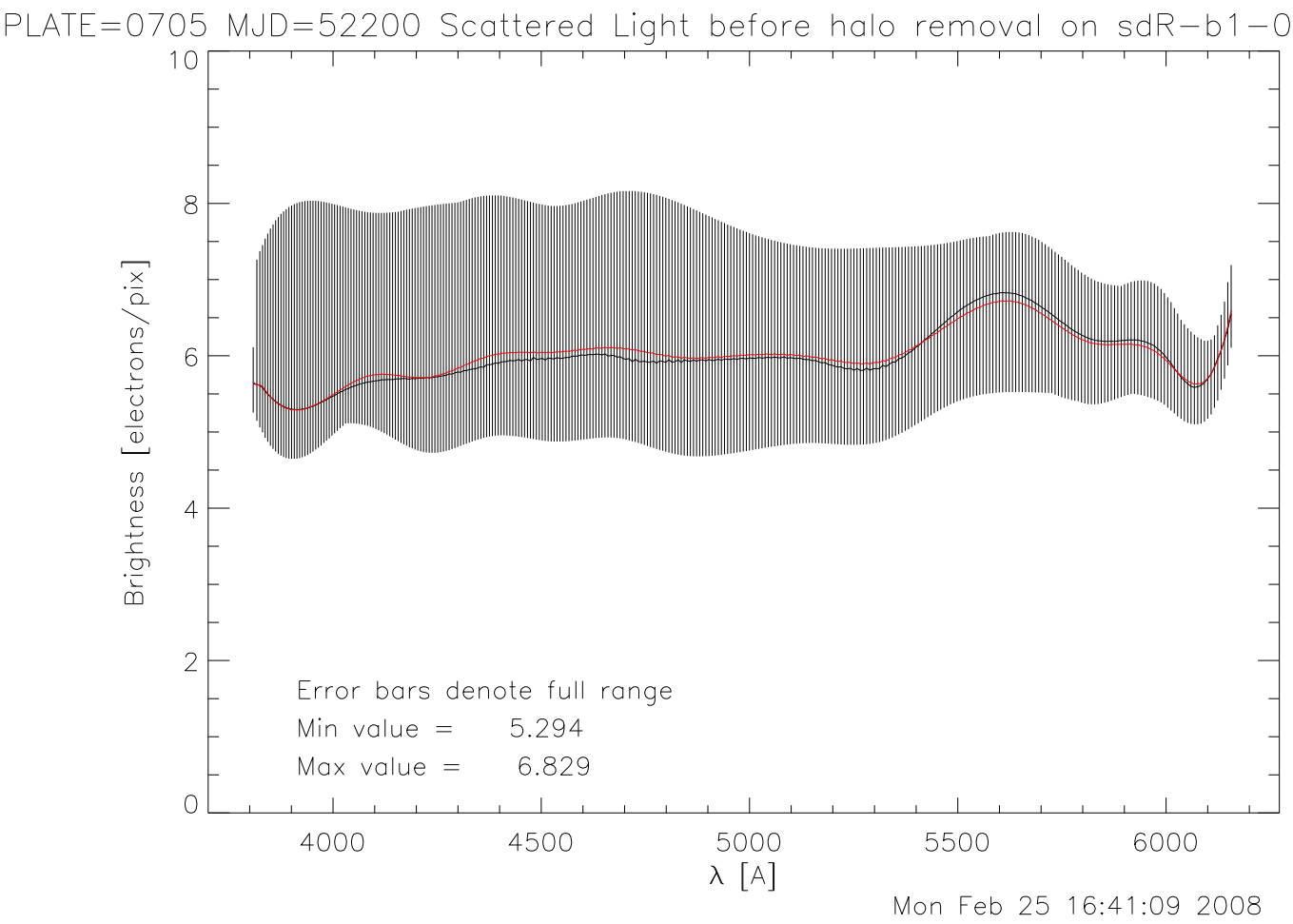

Number of sky fibers = 15
PLATE=0705 MJD=52200 sdR-b1-00011283.fit 2D Sky-subtraction Rescaled Errors
Relative χ
λ [A]
4000
4200
4400
4600
4800
5000
5200
5400
5600
5800
6000

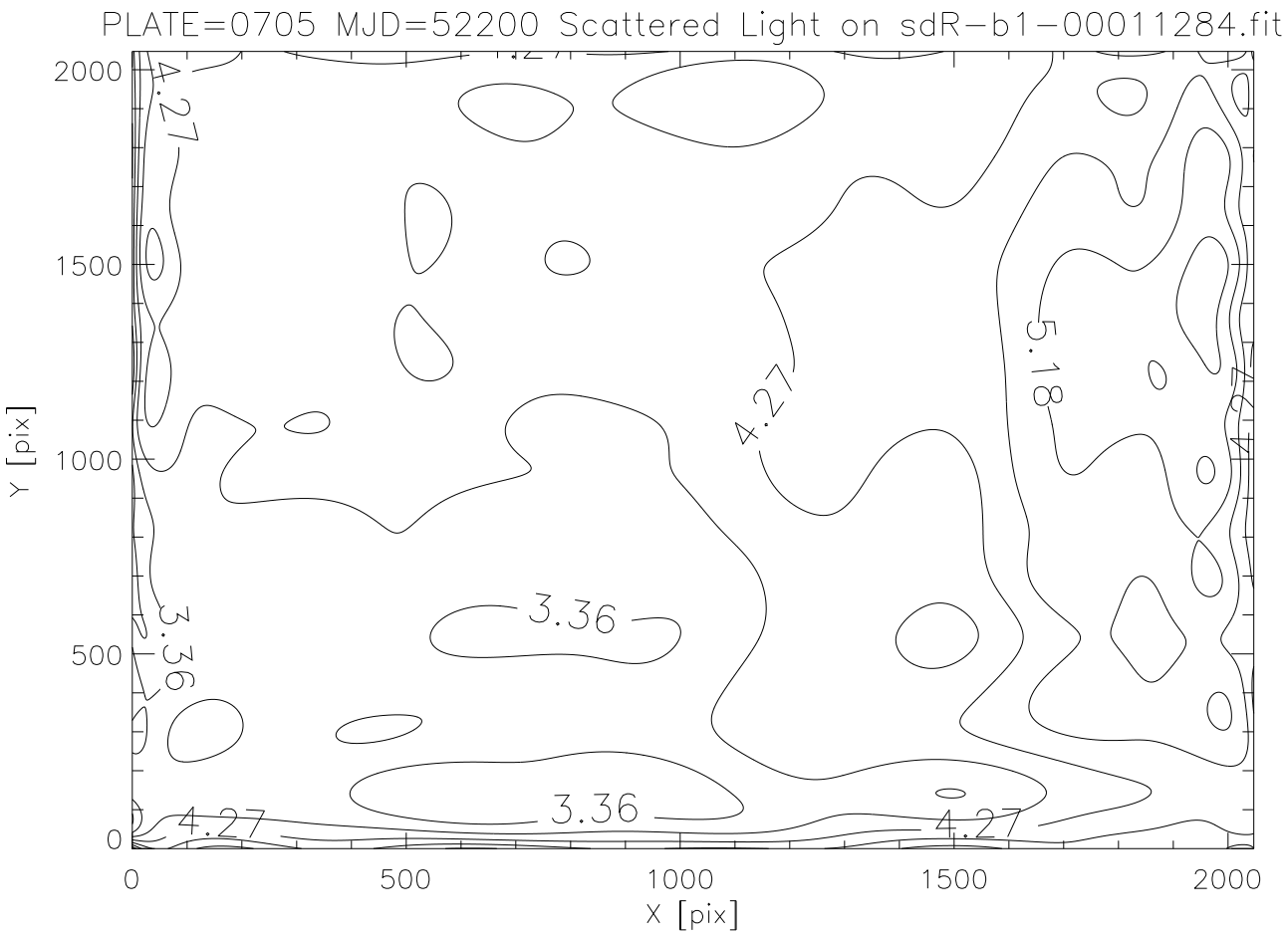

PLATE=0705 MJD=52200 sdR-b1-00011283.fit Skyline Flux at 4359.5
Flux (4359.5)/Airmass
RED = sky fiber
Dispersion = 15.78 %
Fiber number
Flux (4359.5)/Airmass
Focal Distance [mm]
Flux (4359.5)/Airmass
Airmass

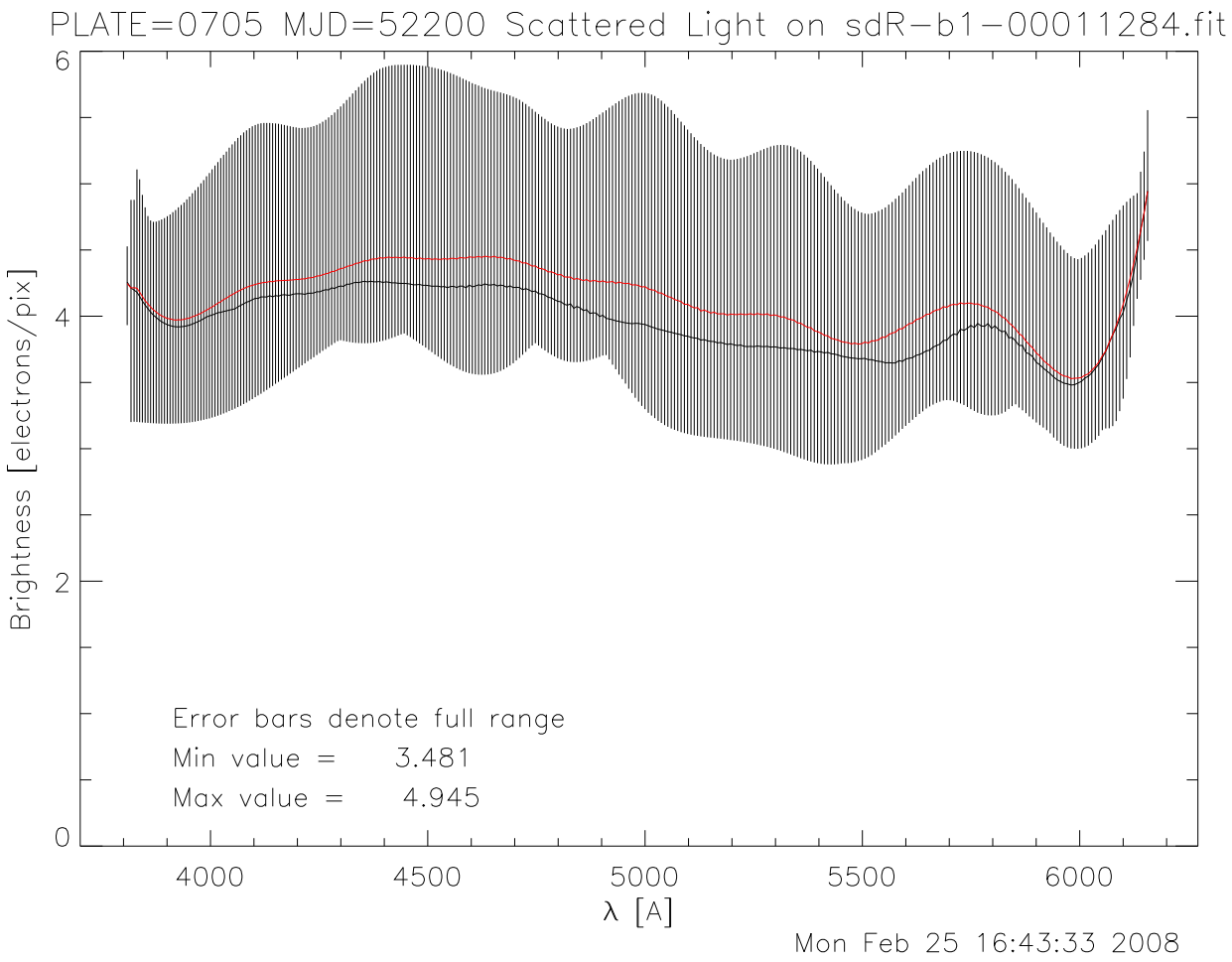

PLATE=0705 MJD=52200 sdR-b1-00011283.fit Skyline Flux at 5578.9
Flux (5578.9)/Airmass
2.5×10^4
2.4×10^4
2.3×10^4
2.2×10^4
2.1×10^4
RED = sky fiber
Dispersion = 1.03 %
0
50
100
150
200
250
300
Fiber number
Flux (5578.9)/Airmass
2.5×10^4
2.4×10^4
2.3×10^4
2.2×10^4
2.1×10^4
0
100
200
300
400
Focal Distance [mm]
Flux (5578.9)/Airmass
2.5×10^4
2.4×10^4
2.3×10^4
2.2×10^4
2.1×10^4
1.30
1.31
1.32
1.33
1.34
1.35
Airmass

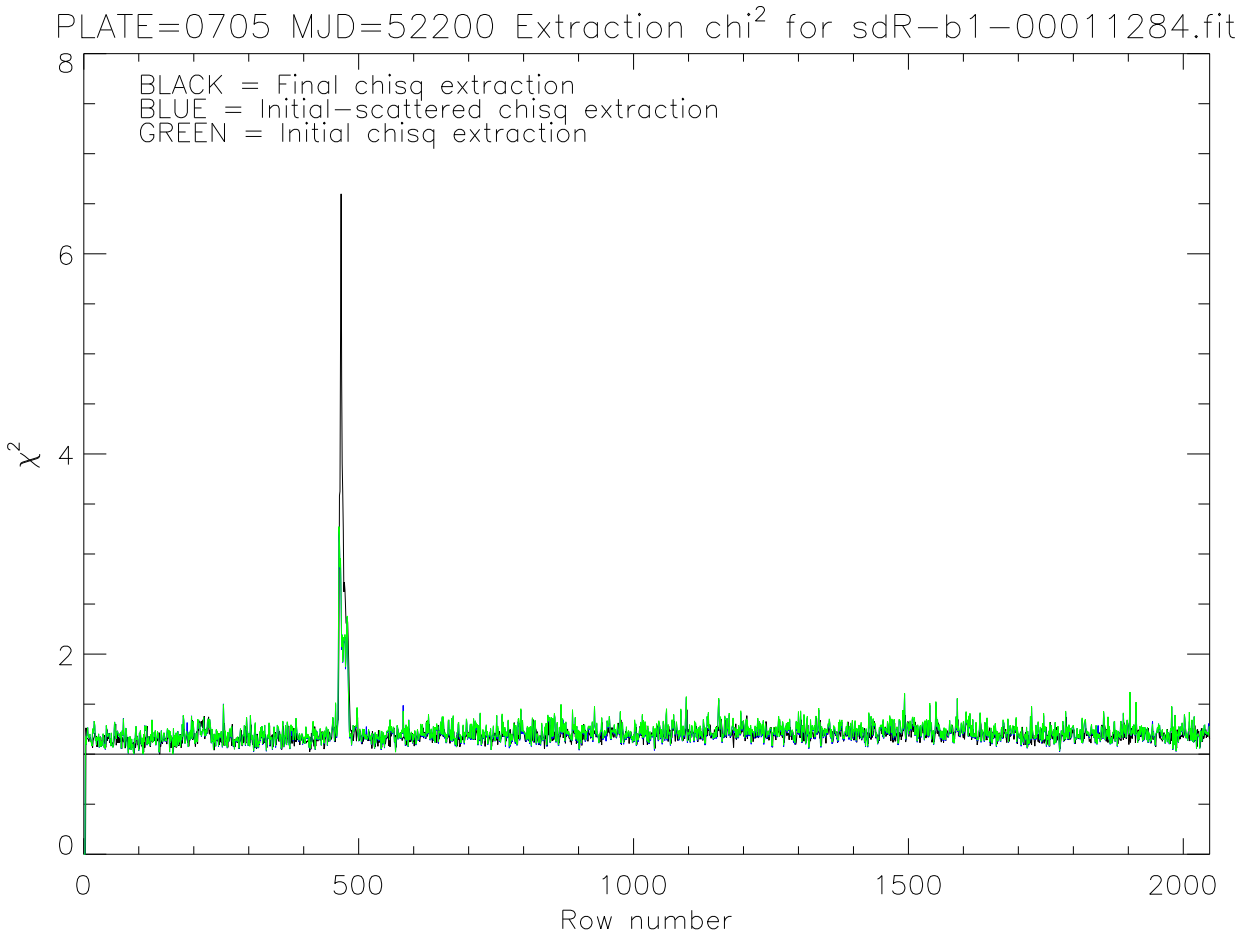

PLATE=0705 MJD=52200 Fiber−Flats for sdR−b1−00011286.fit
BLACK = Median value
ENVELOPE = 1% to 99% range
GREEN = Outlier points
Min value = 0.480
Max value = 1.180
Fiber−Flat
1.5
1.0
0.5
0.0
4000
4500
5000
5500
6000
λ [A]
Mon Feb 25 16:40:20 2008

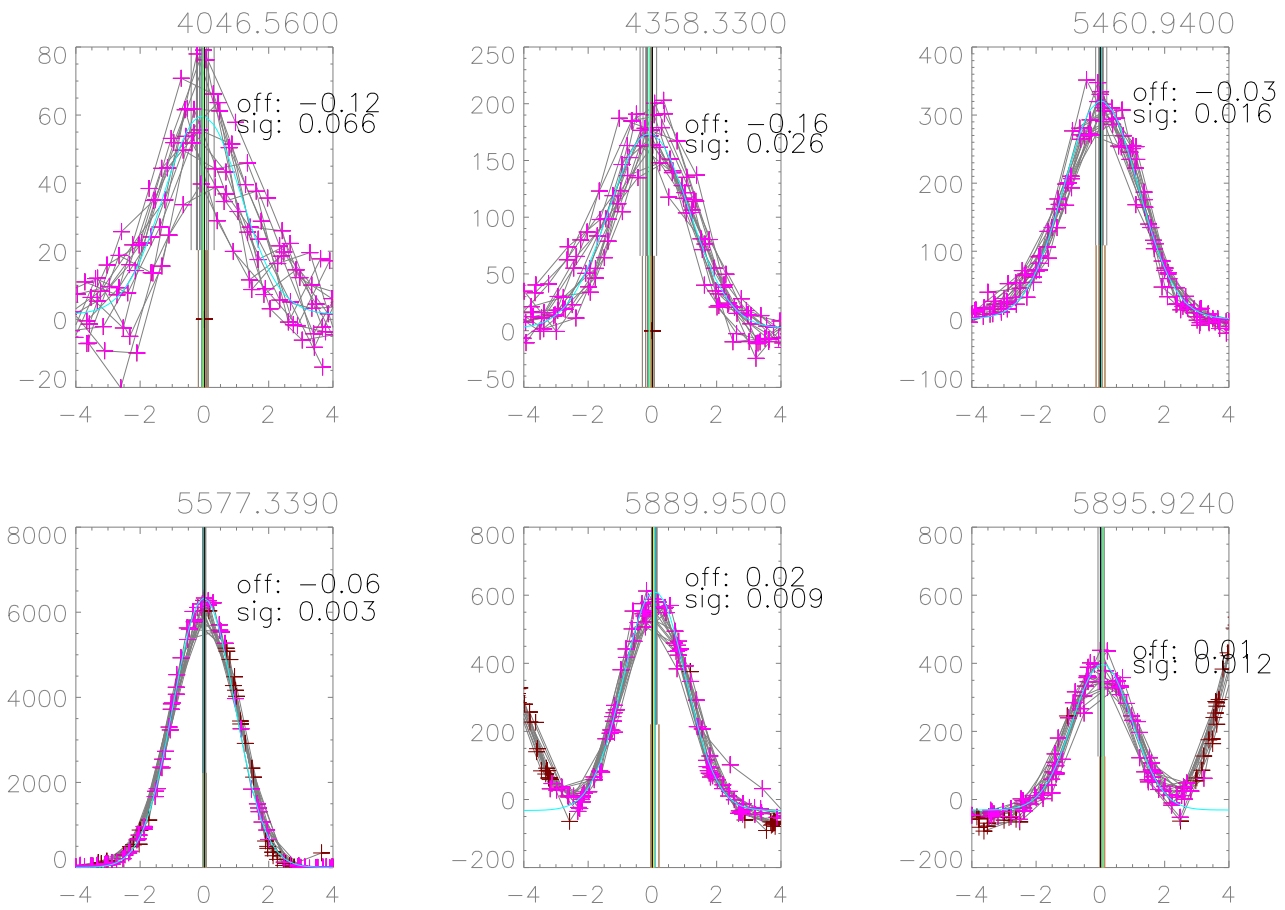

PLATE=0705 MJD=52200 Scattered Light before halo removal on sdR−b1−00011284.f
2000
1500
1000
500
0
Y [pix]
0
500
1000
1500
2000
X [pix]
5.36
6.27
7.18

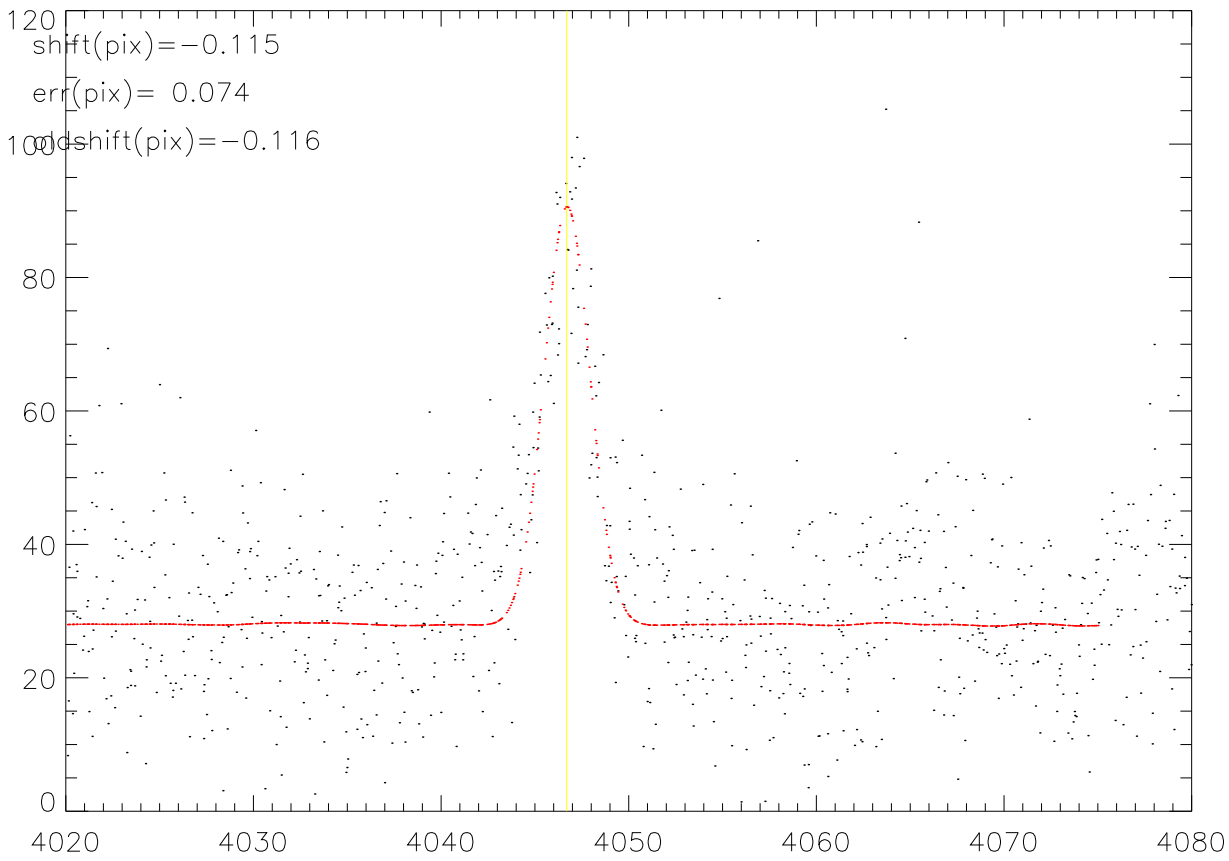

PLATE=0705 MJD=52200 Scattered Light before halo removal on sdR-b1-00011284.f
Brightness [electrons/pix]
10
8
6
4
2
0
Error bars denote full range
Min value = 5.294
Max value = 6.829
4000
4500
5000
5500
6000
λ [A]
Mon Feb 25 16:41:09 2008

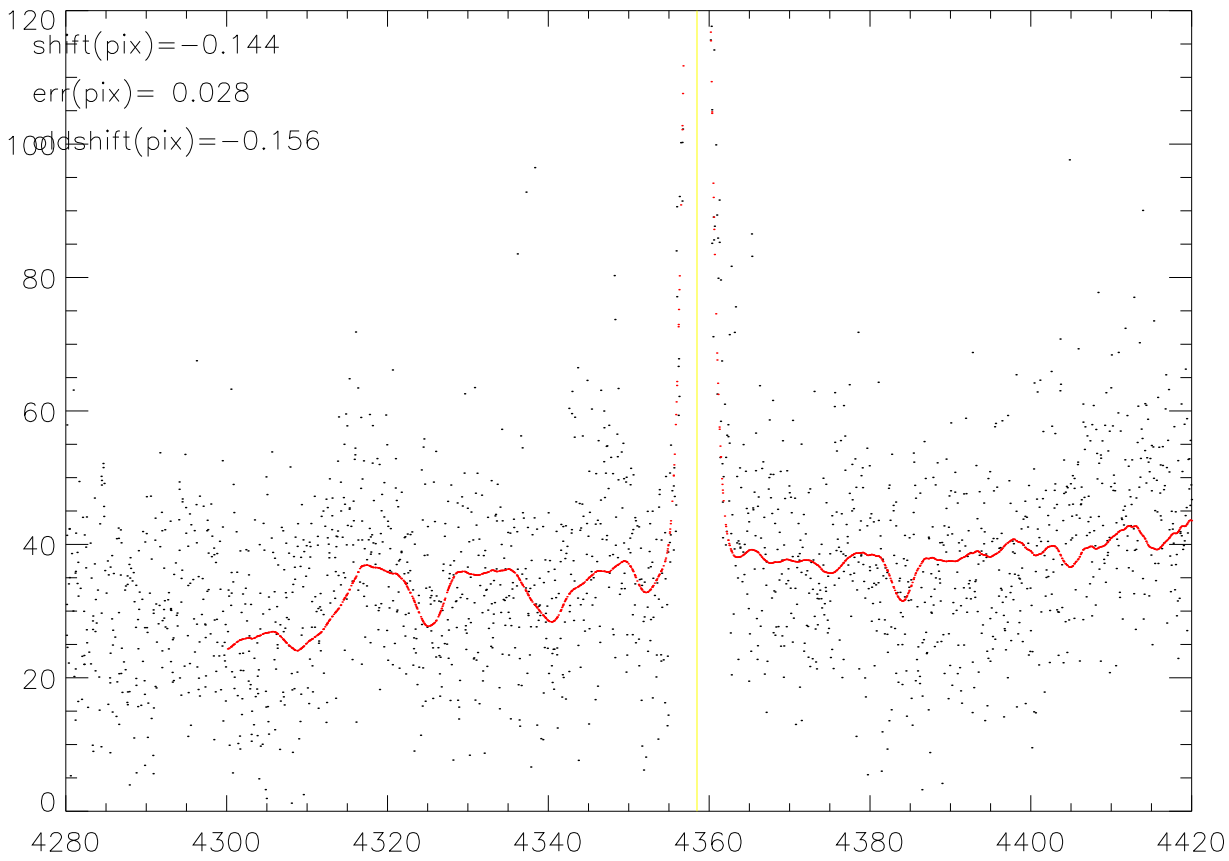

PLATE=0705 MJD=52200 Scattered Light on sdR-b1-00011284.fit
Y [pix]
X [pix]
0
500
1000
1500
2000
4.27
3.36
5.18

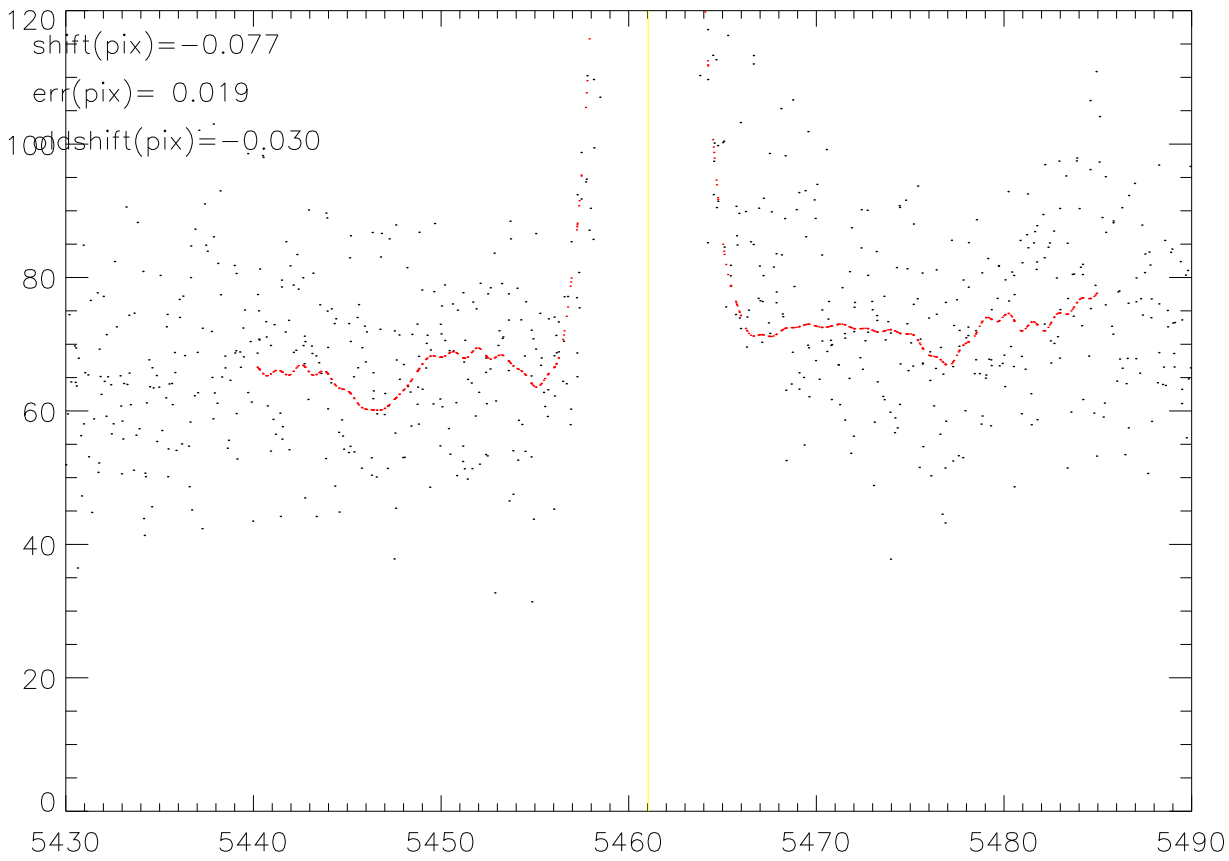

PLATE=0705 MJD=52200 Scattered Light on sdR-b1-00011284.fit
Brightness [electrons/pix]
0
2
4
6
4000
4500
5000
5500
6000
λ [A]
Error bars denote full range
Min value = 3.481
Max value = 4.945
Mon Feb 25 16:43:33 2008

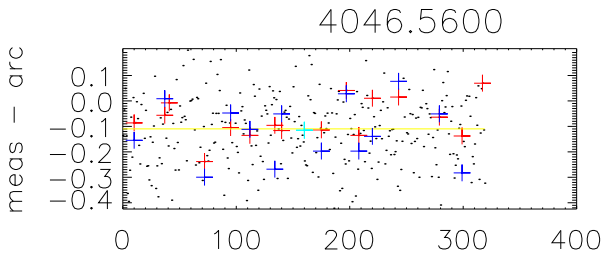

PLATE=0705 MJD=52200 Extraction chi$^2$ for sdR-b1-00011284.fit
BLACK = Final chisq extraction
BLUE = Initial-scattered chisq extraction
GREEN = Initial chisq extraction
$\chi^2$
0
2
4
6
8
0
500
1000
1500
2000
Row number

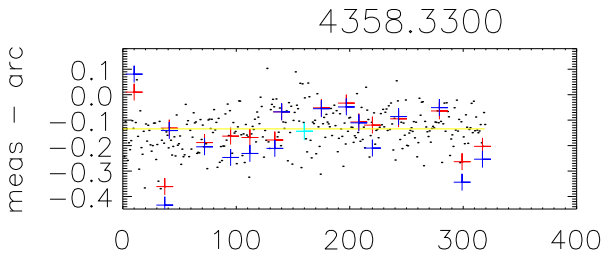

4046.5600
off: −0.12
sig: 0.066
4358.3300
off: −0.16
sig: 0.026
5460.9400
off: −0.03
sig: 0.016
5577.3390
off: −0.06
sig: 0.003
5889.9500
off: 0.02
sig: 0.009
5895.9240
off: 0.01
sig: 0.012

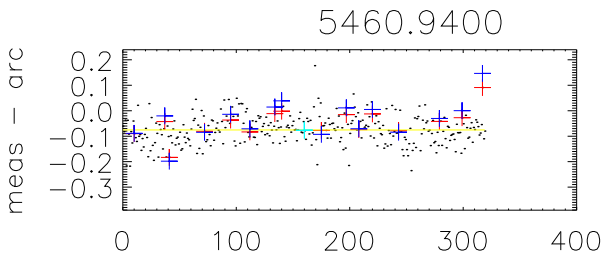

shift(pix)=−0.115
err(pix)= 0.074
oldshift(pix)=−0.116
120
100
80
60
40
20
0
4020
4030
4040
4050
4060
4070
4080

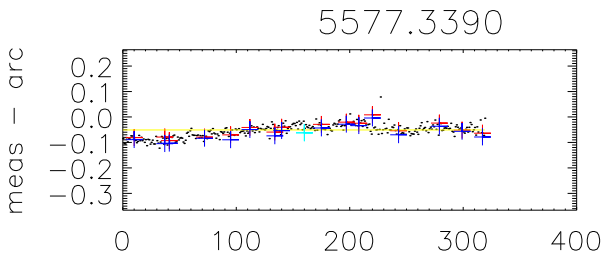

shift(pix)=−0.144
err(pix)= 0.028
oldshift(pix)=−0.156
120
100
80
60
40
20
0
4280
4300
4320
4340
4360
4380
4400
4420

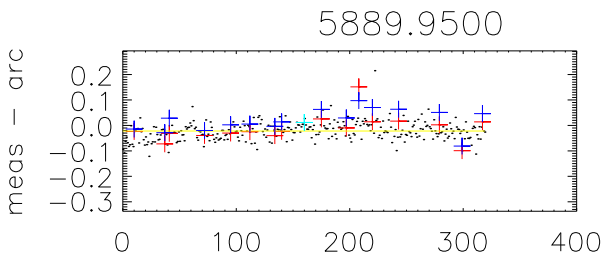

shift(pix)=−0.077
err(pix)= 0.019
oldshift(pix)=−0.030
120
100
80
60
40
20
0
5430
5440
5450
5460
5470
5480
5490

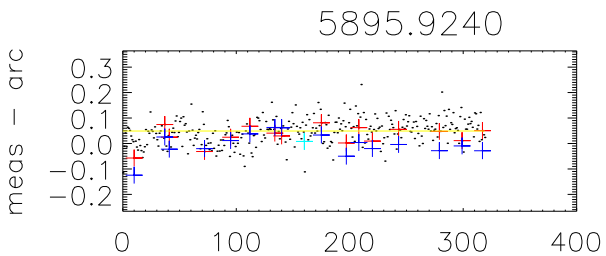

4046.5600
meas − arc
0.1
0.0
−0.1
−0.2
−0.3
−0.4
0
100
200
300
400

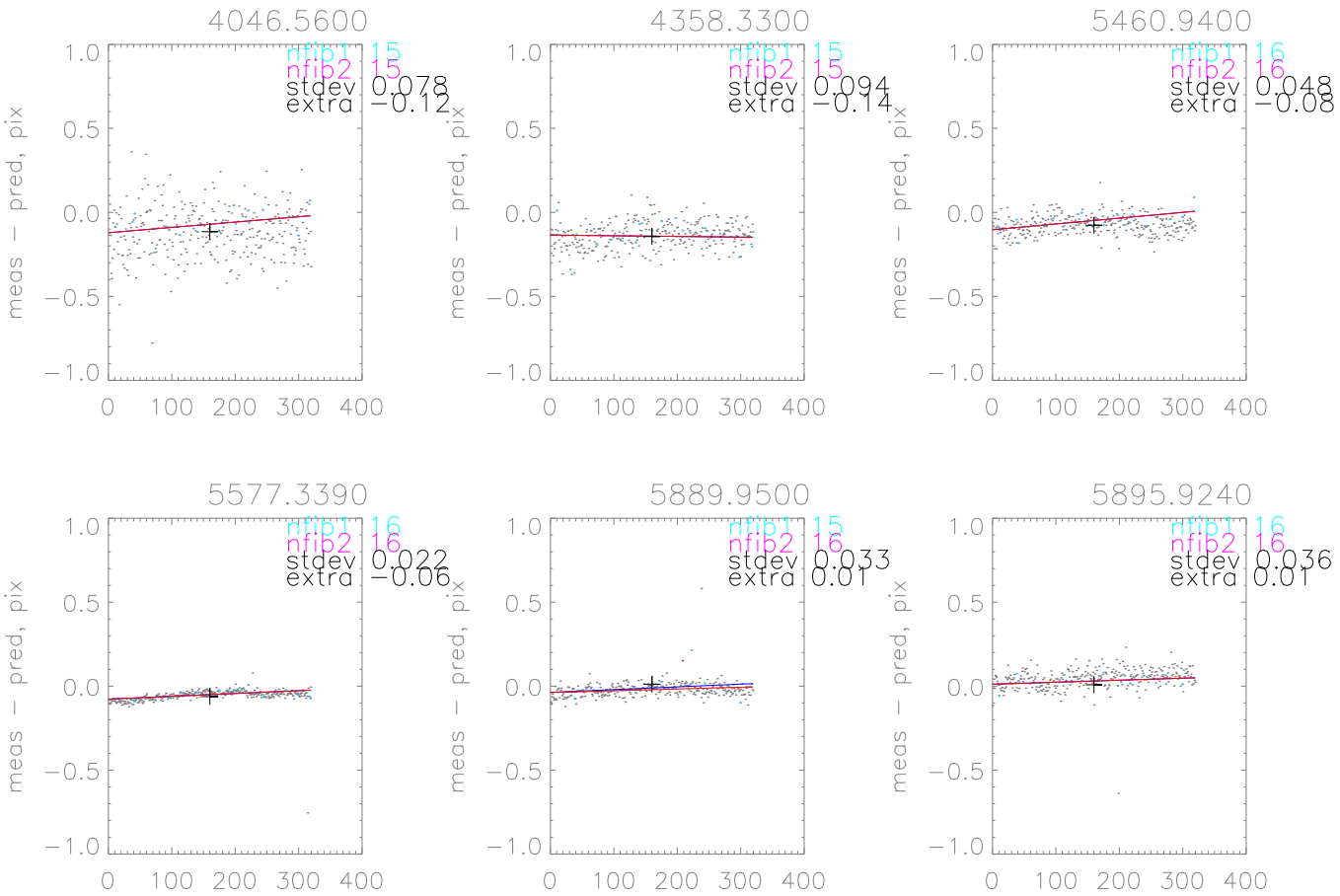

4358.3300
meas − arc
0.1
0.0
−0.1
−0.2
−0.3
−0.4
0
100
200
300
400

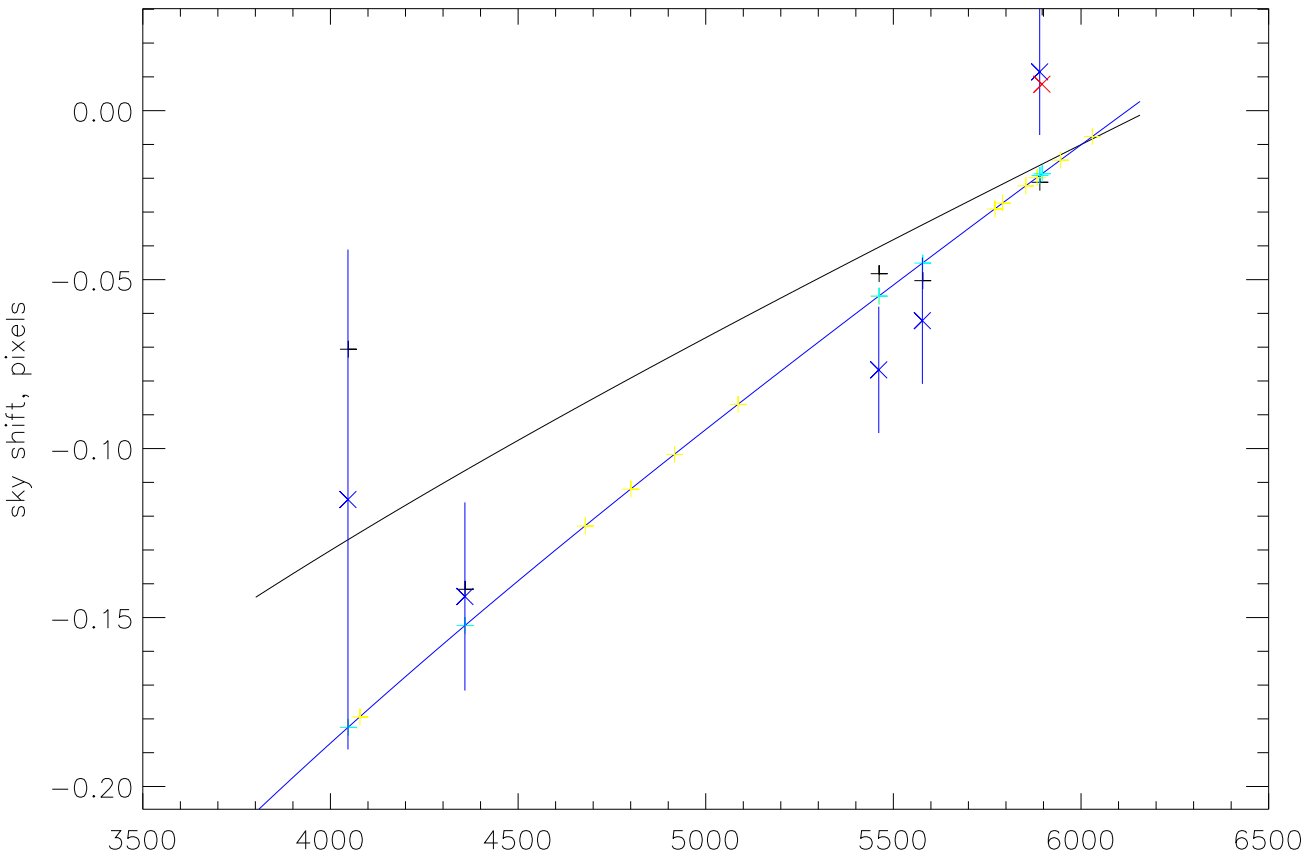

5460.9400
meas − arc
0.2
0.1
0.0
−0.1
−0.2
−0.3
0
100
200
300
400

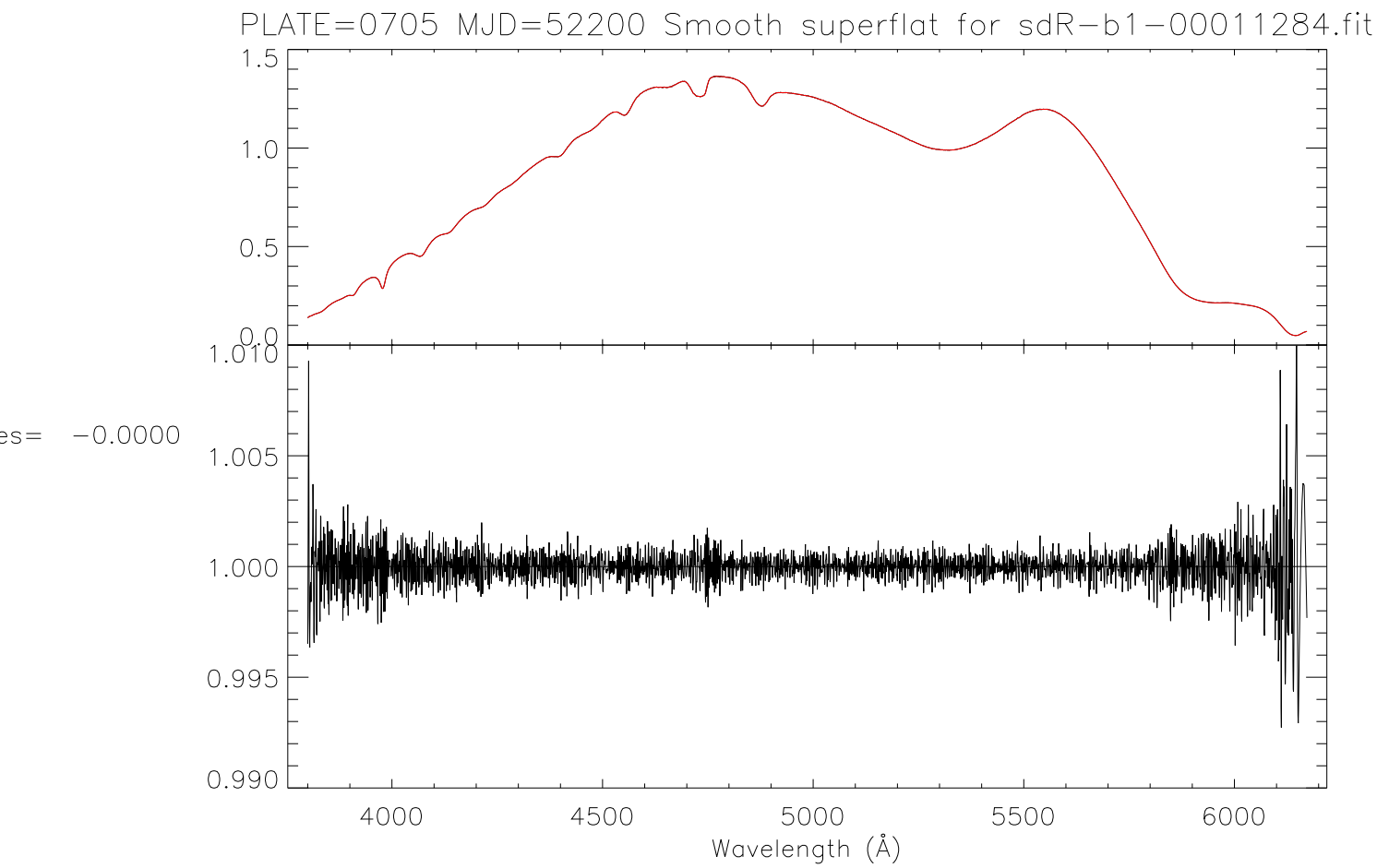

5577.3390
meas − arc
0.2
0.1
0.0
−0.1
−0.2
−0.3
0
100
200
300
400


5889.9500
meas − arc
0.2
0.1
0.0
−0.1
−0.2
−0.3
0
100
200
300
400

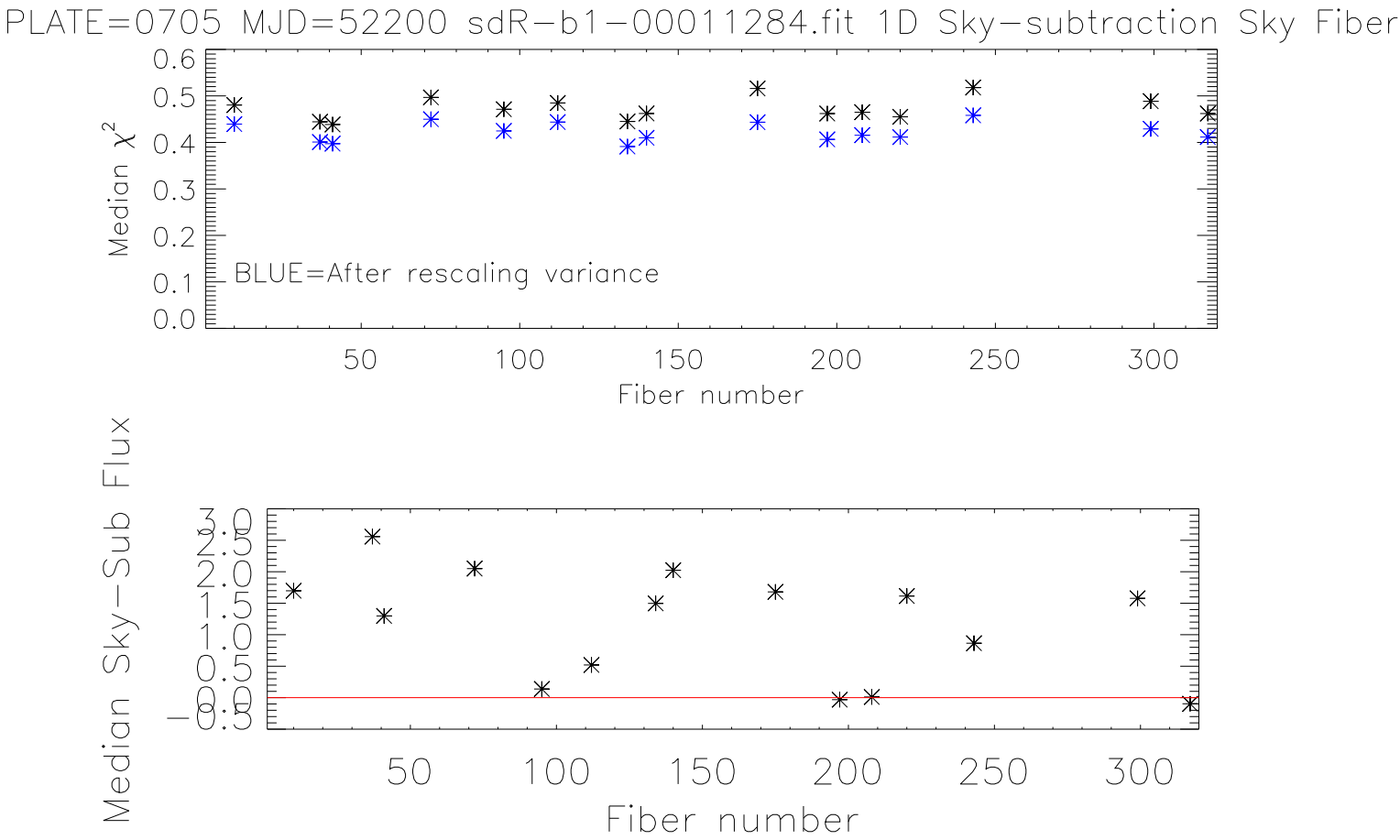

5895.9240
meas − arc
0.3
0.2
0.1
0.0
−0.1
−0.2
0
100
200
300
400

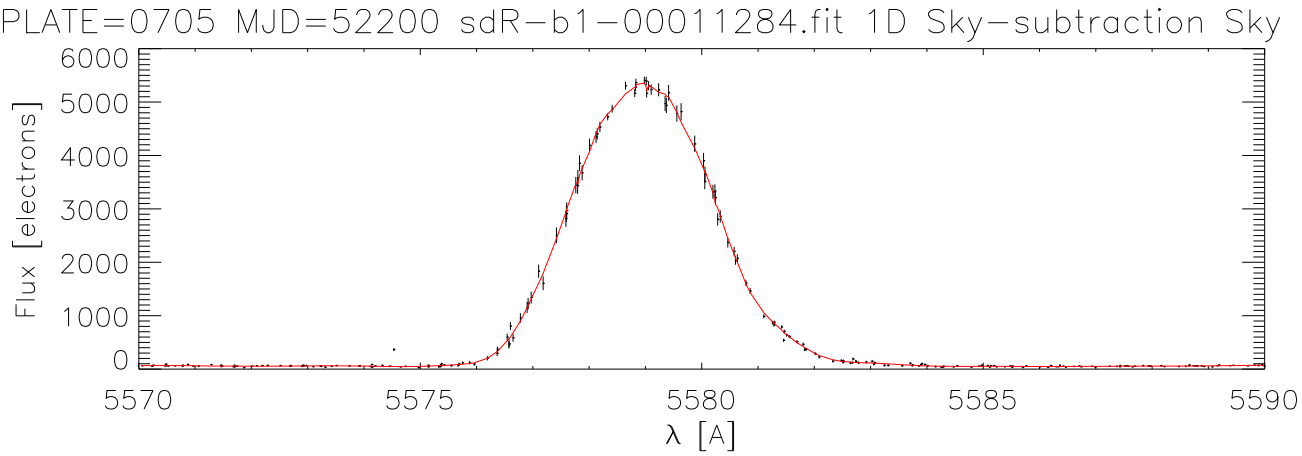

4046.5600
nfib1 15
nfib2 15
stdev 0.078
extra −0.12
4358.3300
nfib1 15
nfib2 15
stdev 0.094
extra −0.14
5460.9400
nfib1 16
nfib2 16
stdev 0.048
extra −0.08
5577.3390
nfib1 16
nfib2 16
stdev 0.022
extra −0.06
5889.9500
nfib1 15
nfib2 16
stdev 0.033
extra 0.01
5895.9240
nfib1 16
nfib2 16
stdev 0.036
extra 0.01
meas − pred, pix
1.0
0.5
0.0
−0.5
−1.0
0
100
200
300
400

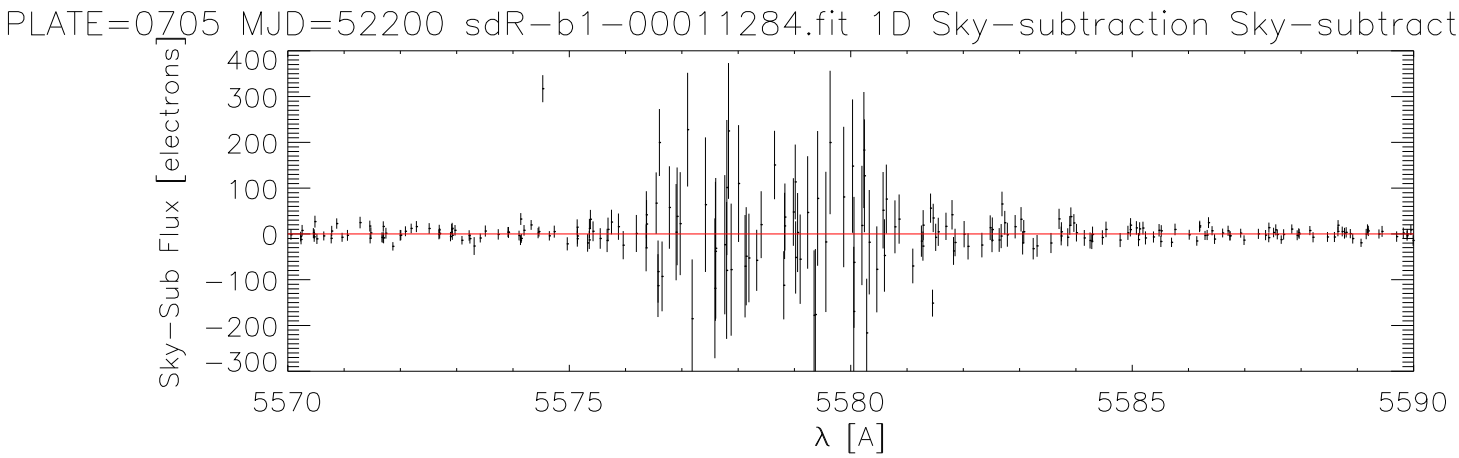

0.00
−0.05
−0.10
−0.15
−0.20
sky shift, pixels
3500
4000
4500
5000
5500
6000
6500

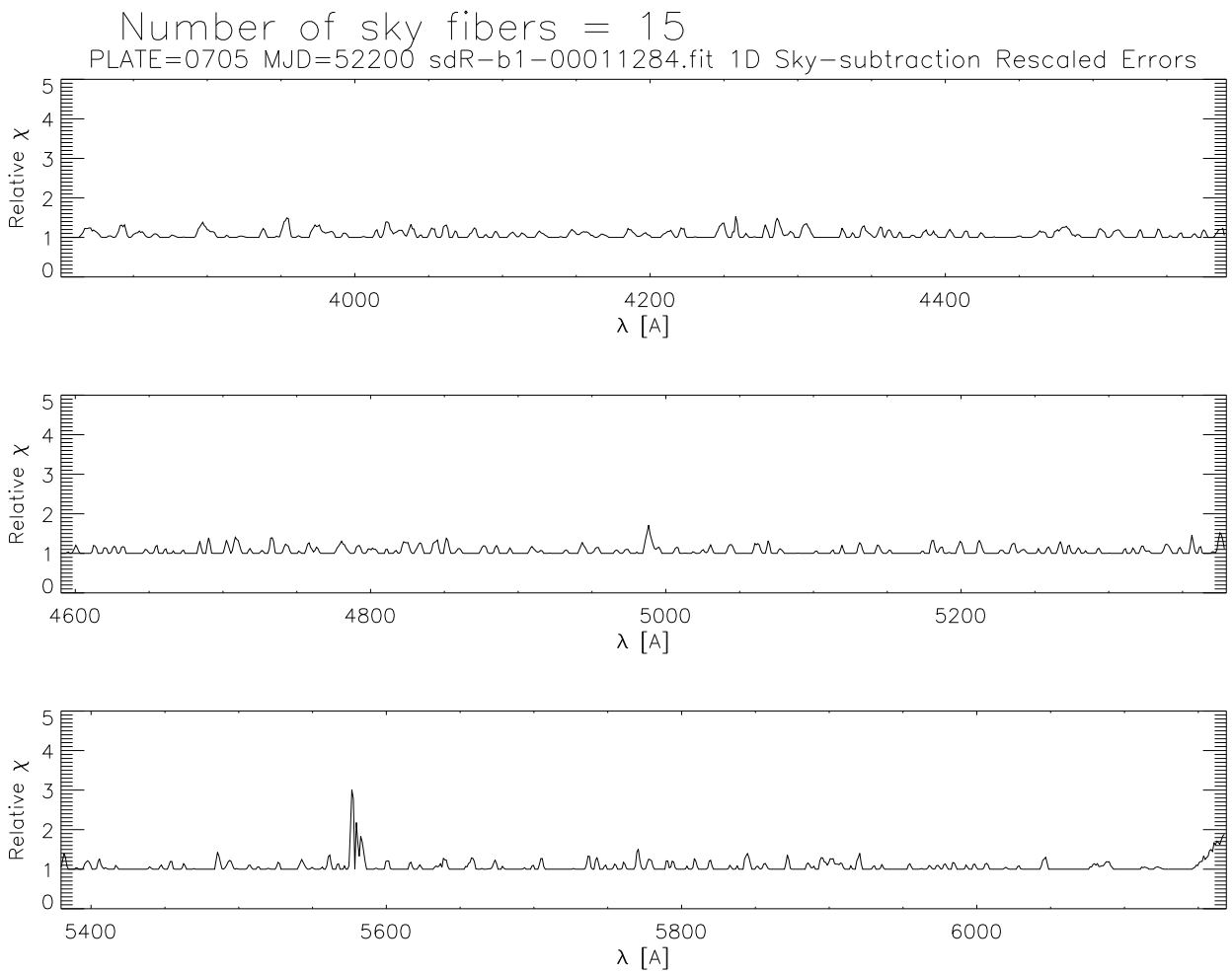

PLATE=0705 MJD=52200 Smooth superflat for sdR-b1-00011284.fit
1.5
1.0
0.5
0.0
1.010
1.005
1.000
0.995
0.990
4000
4500
5000
5500
6000
Wavelength (Å)

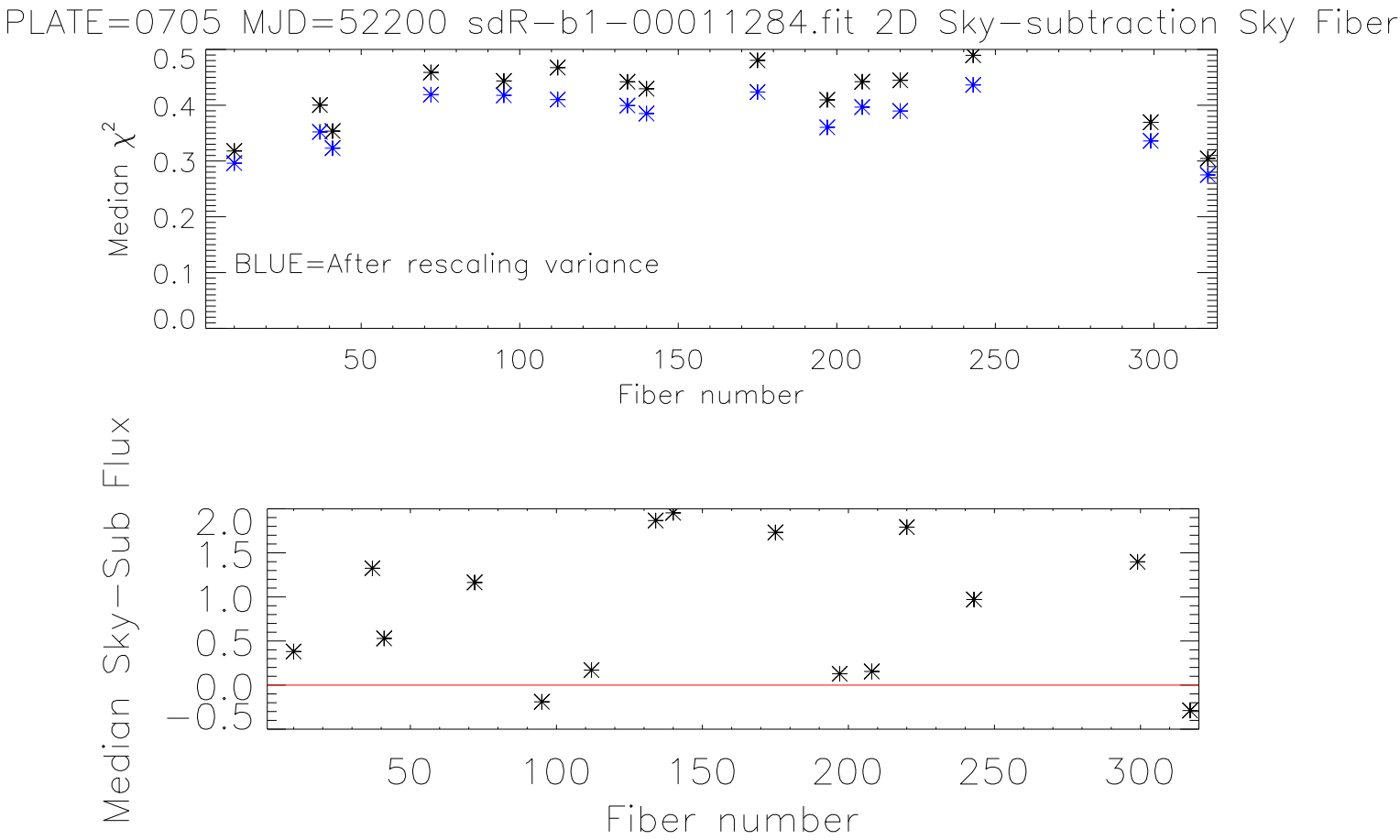
es= −0.0000

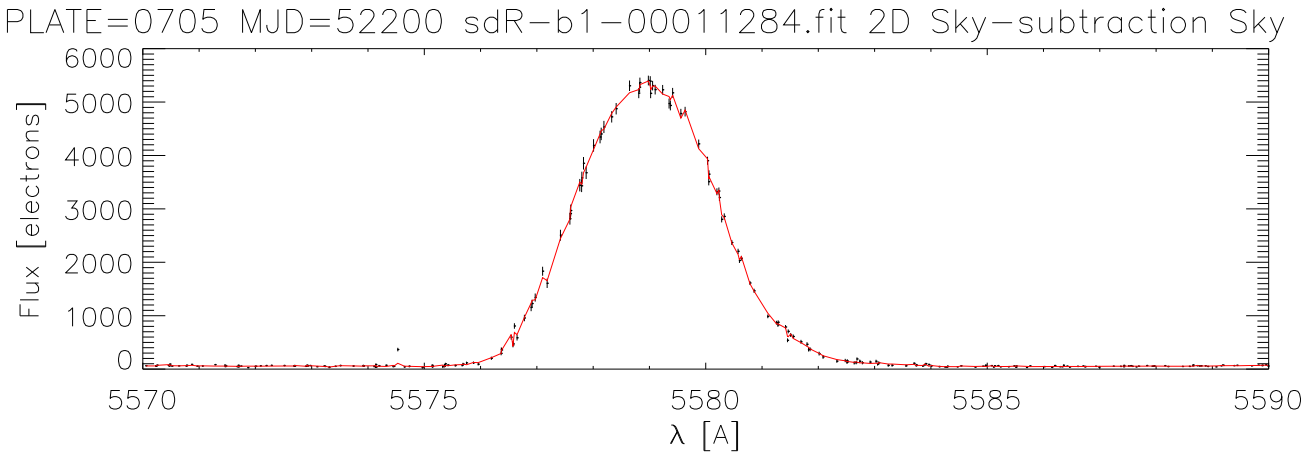

PLATE=0705 MJD=52200 sdR-b1-00011284.fit 1D Sky-subtraction Sky Fiber
Median $\chi^2$
BLUE=After rescaling variance
Fiber number
Median Sky-Sub Flux
Fiber number

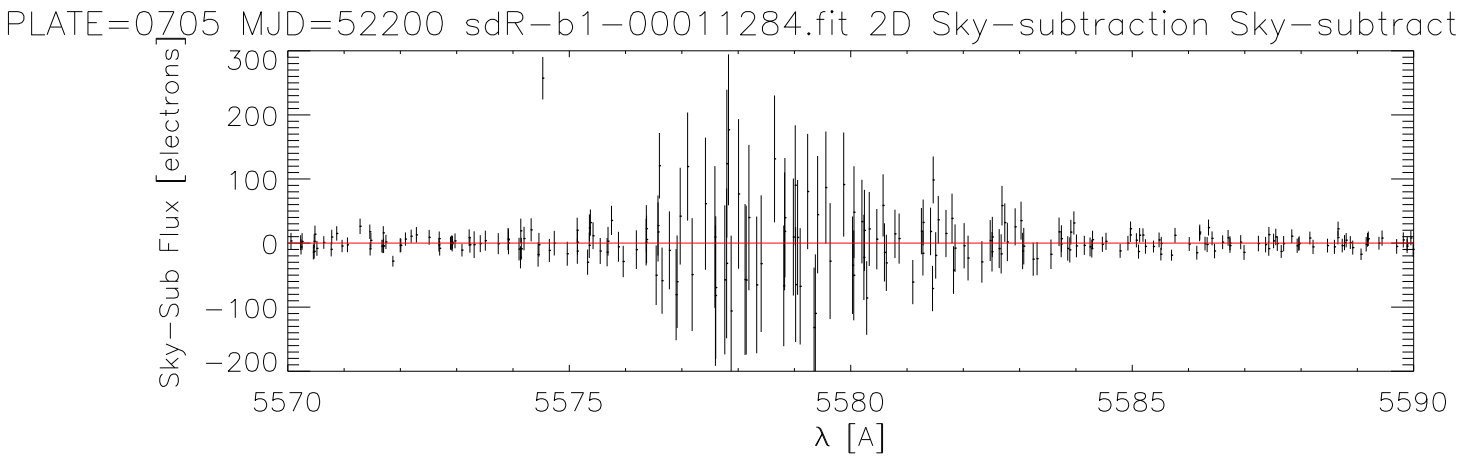

PLATE=0705 MJD=52200 sdR-b1-00011284.fit 1D Sky-subtraction Sky Fibers
Flux [electrons]
6000
5000
4000
3000
2000
1000
0
5570
5575
5580
5585
5590
λ [A]

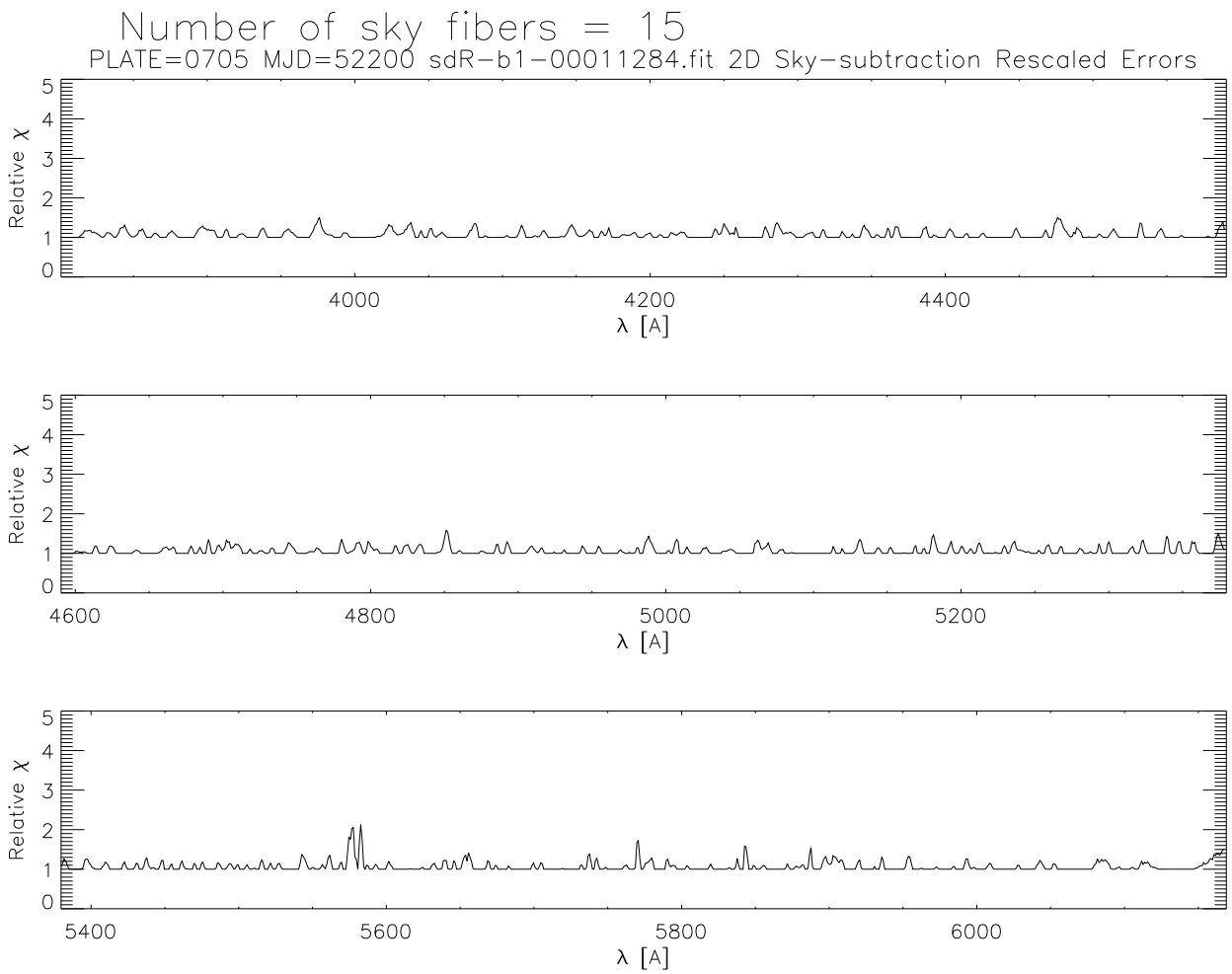

PLATE=0705 MJD=52200 sdR-b1-00011284.fit 1D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
400
300
200
100
0
-100
-200
-300
5570
5575
5580
5585
5590
λ [A]

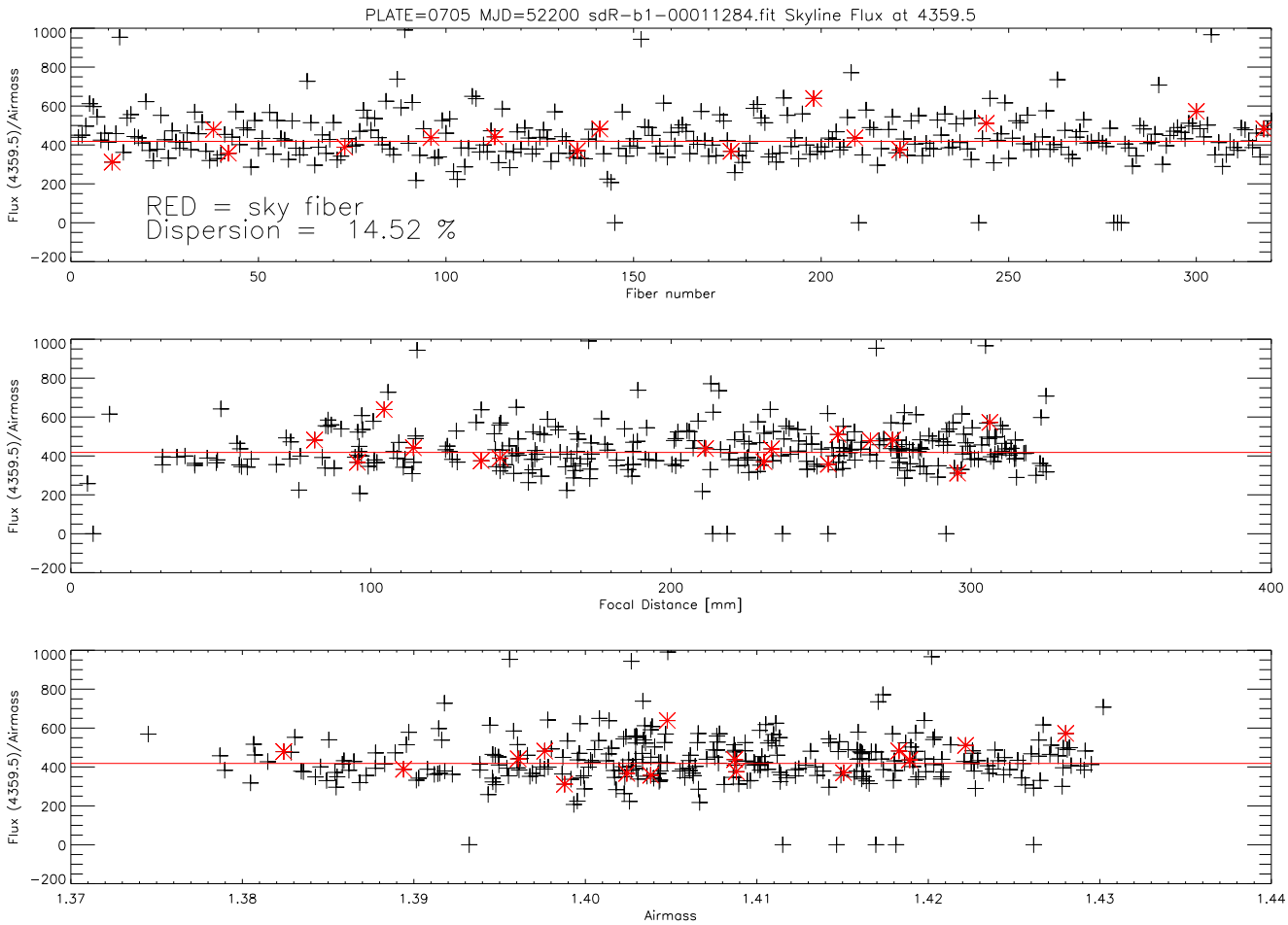

Number of sky fibers = 15
PLATE=0705 MJD=52200 sdR-b1-00011284.fit 1D Sky-subtraction Rescaled Errors
Relative χ
λ [A]
4000
4200
4400
4600
4800
5000
5200
5400
5600
5800
6000

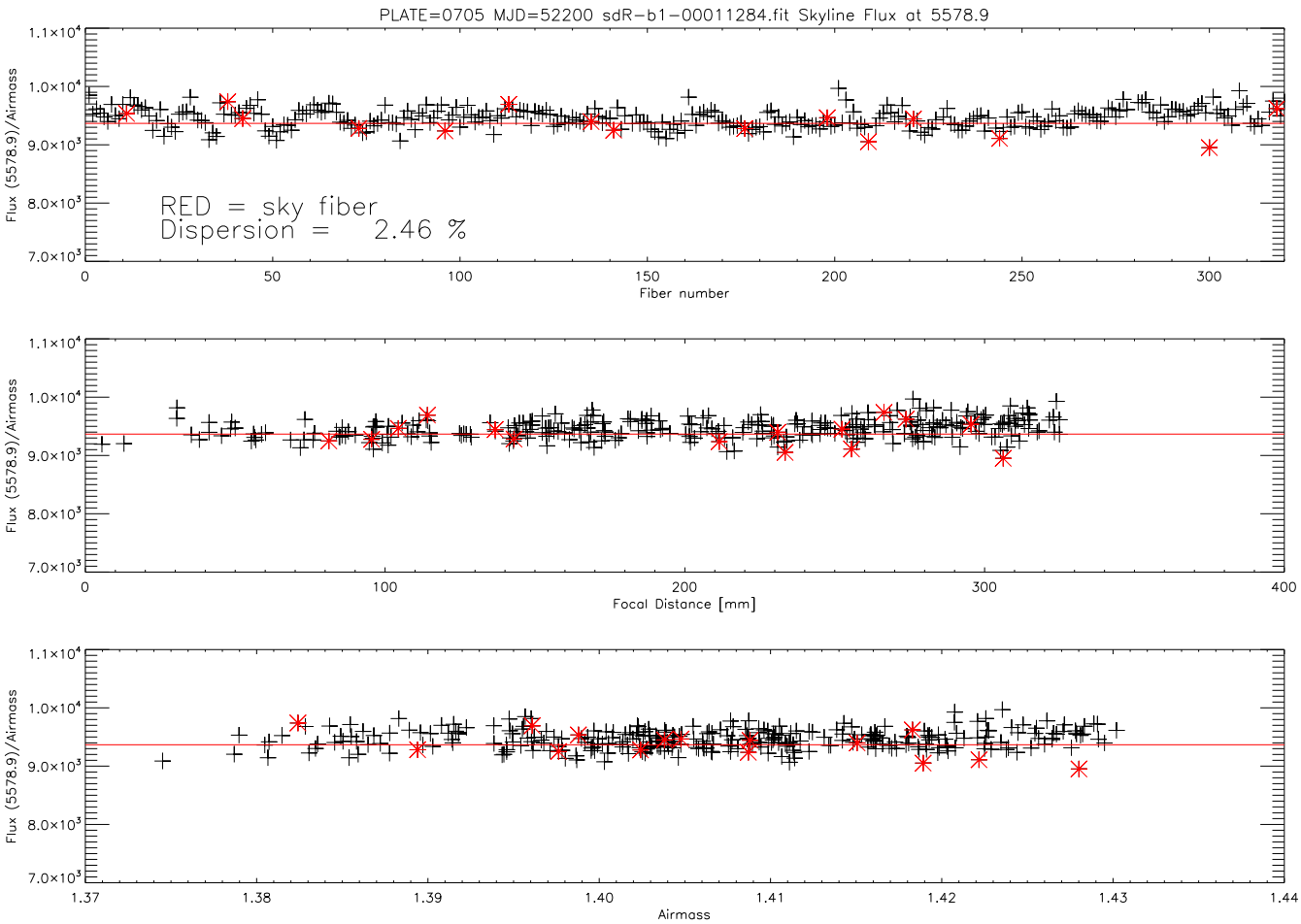

PLATE=0705 MJD=52200 sdR-b1-00011284.fit 2D Sky-subtraction Sky Fiber
Median $\chi^2$
BLUE=After rescaling variance
Fiber number
Median Sky-Sub Flux
Fiber number

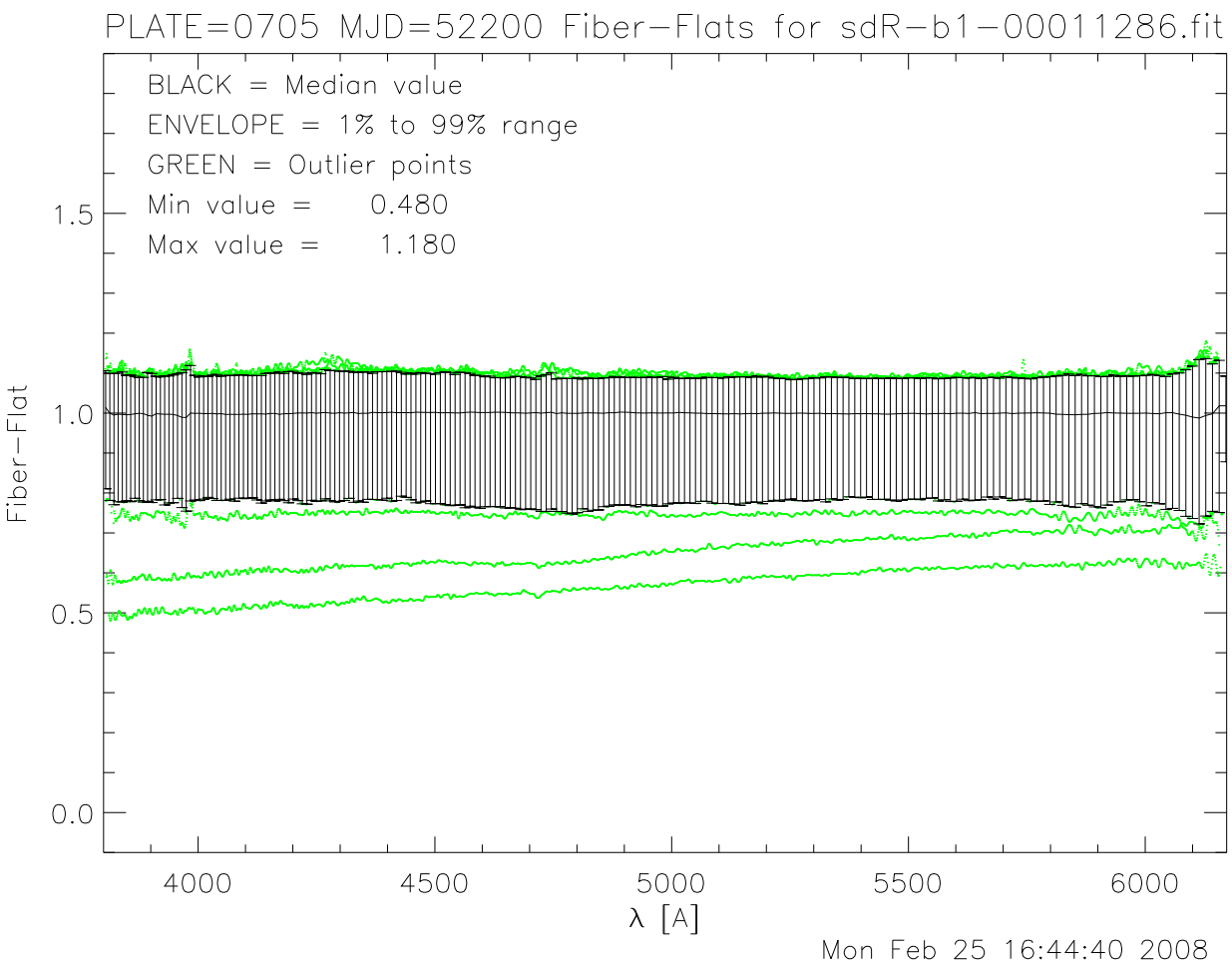

PLATE=0705 MJD=52200 sdR-b1-00011284.fit 2D Sky-subtraction Sky Fibers
Flux [electrons]
6000
5000
4000
3000
2000
1000
0
5570
5575
5580
5585
5590
λ [A]

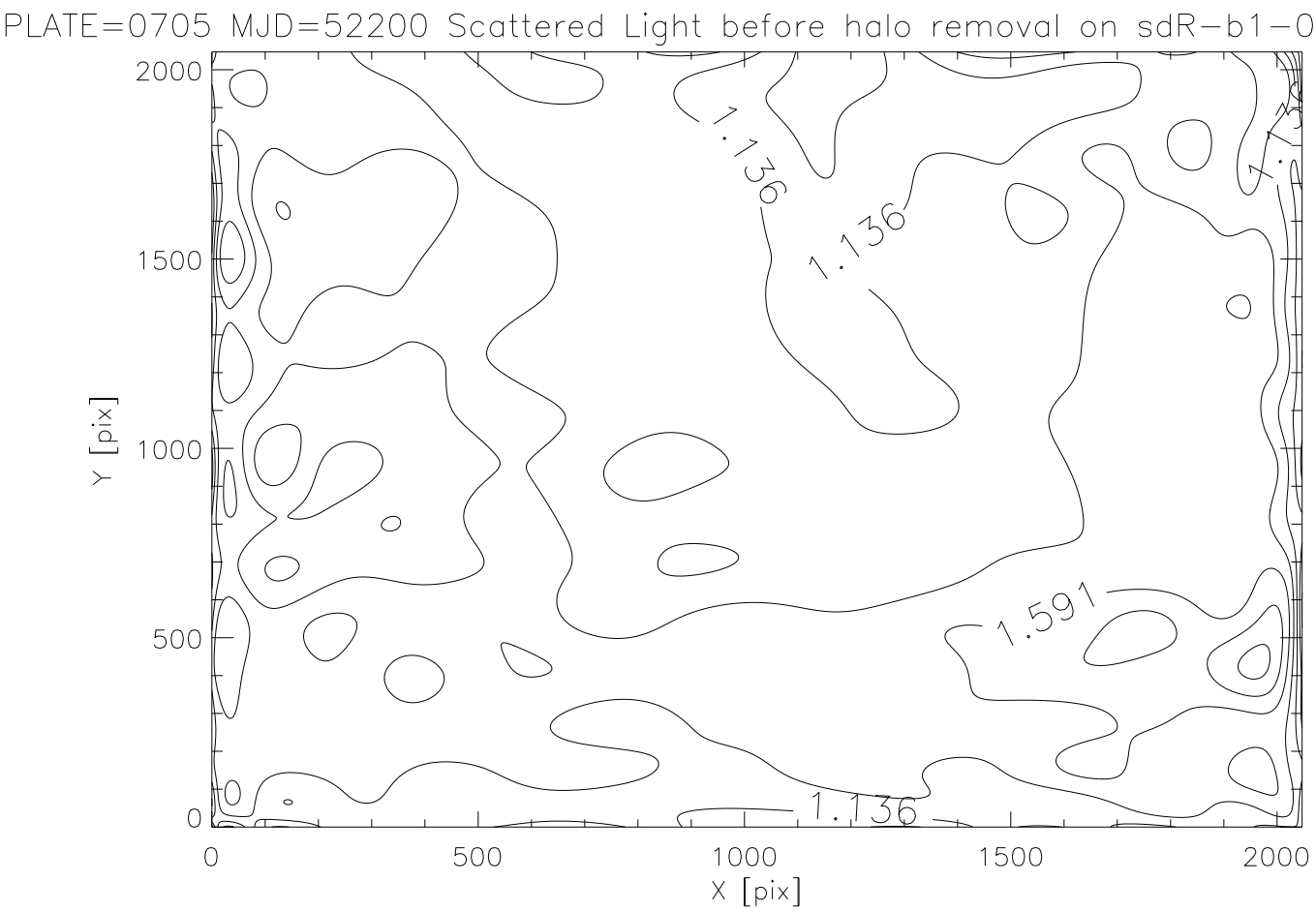

PLATE=0705 MJD=52200 sdR-b1-00011284.fit 2D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
300
200
100
0
-100
-200
5570
5575
5580
5585
5590
λ [A]

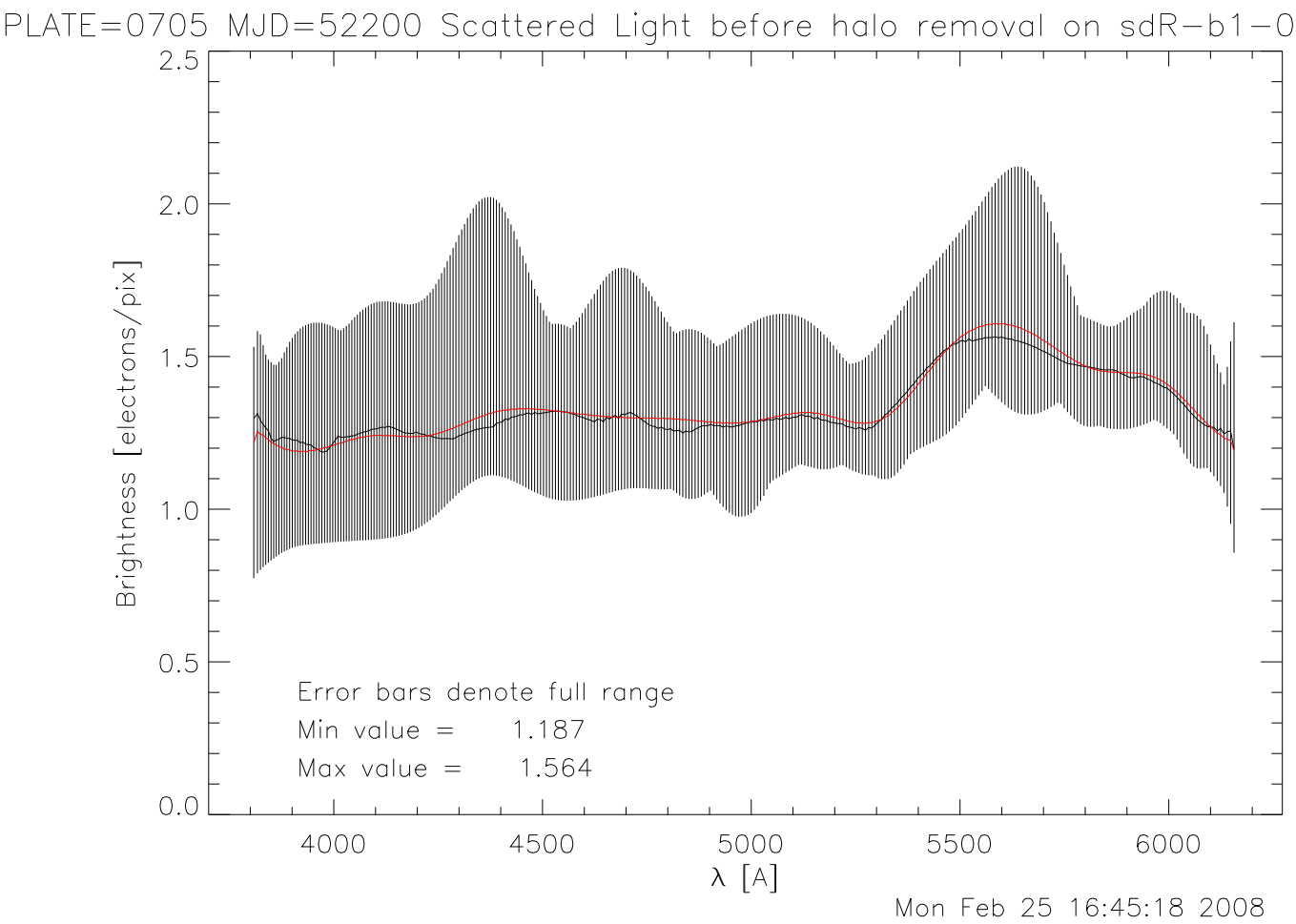

Number of sky fibers = 15
PLATE=0705 MJD=52200 sdR-b1-00011284.fit 2D Sky-subtraction Rescaled Errors
Relative χ
λ [A]
4000
4200
4400
4600
4800
5000
5200
5400
5600
5800
6000

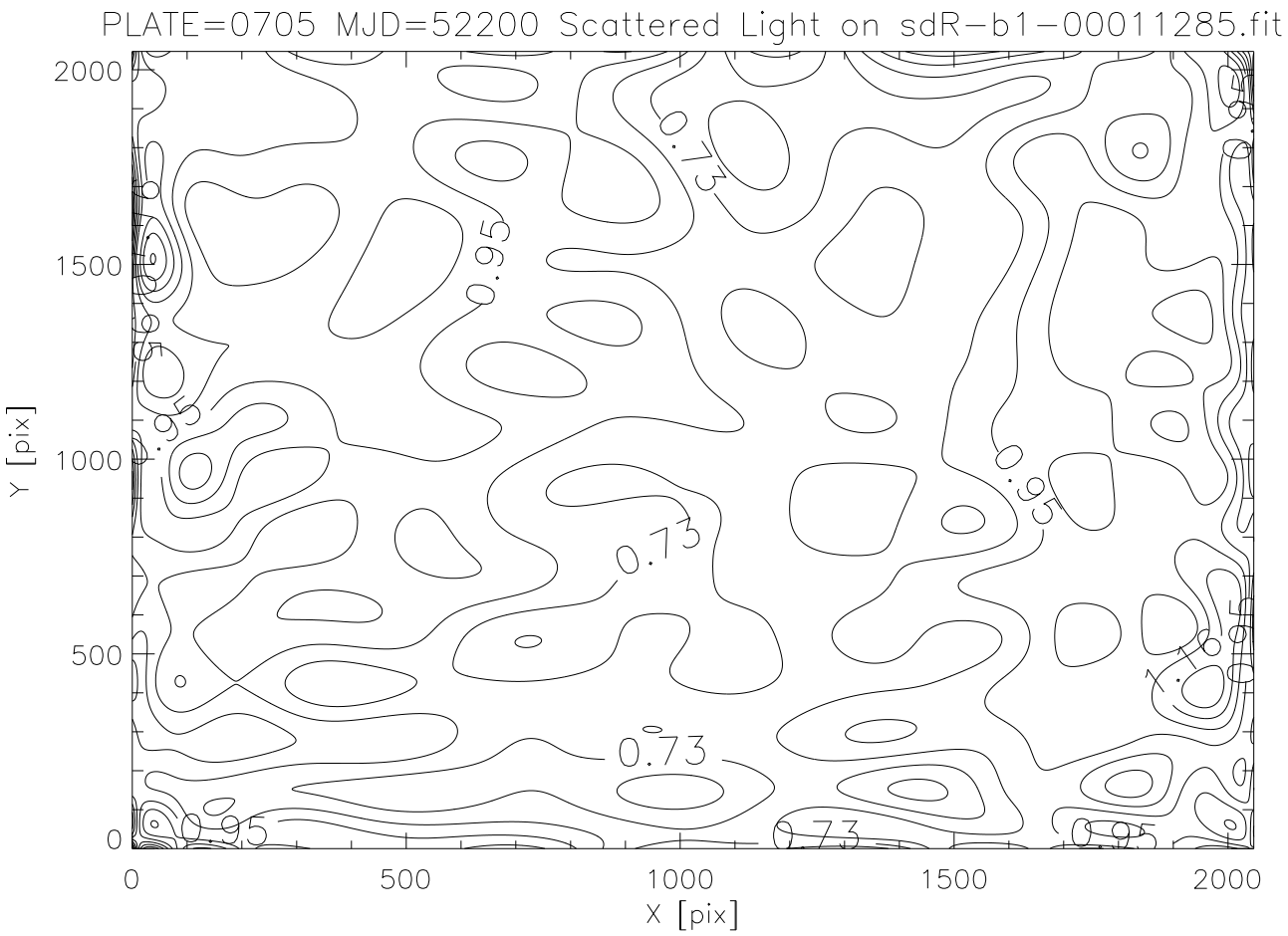

PLATE=0705 MJD=52200 sdR-b1-00011284.fit Skyline Flux at 4359.5
Flux (4359.5)/Airmass
RED = sky fiber
Dispersion = 14.52 %
Fiber number
Flux (4359.5)/Airmass
Focal Distance [mm]
Flux (4359.5)/Airmass
Airmass

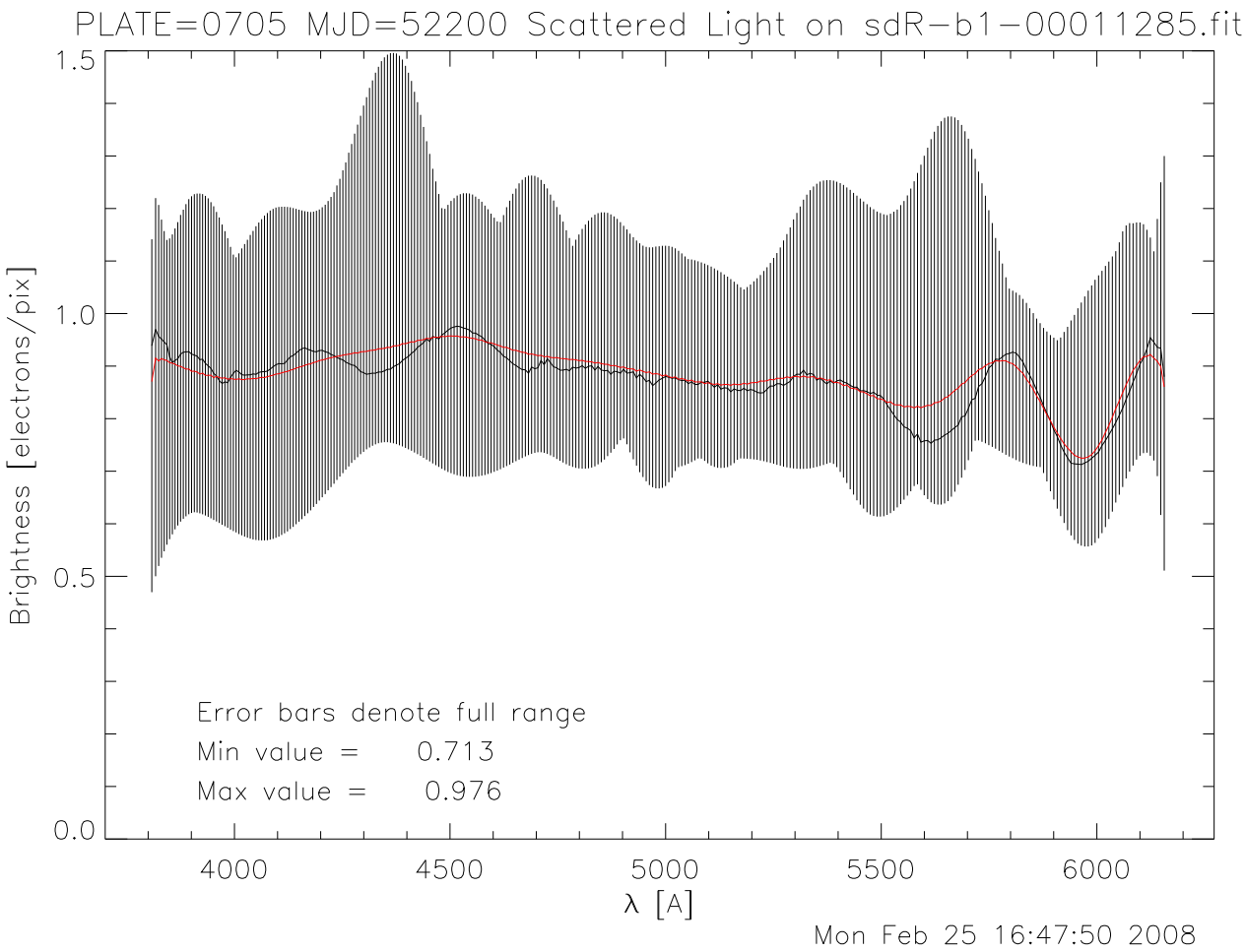

PLATE=0705 MJD=52200 sdR-b1-00011284.fit Skyline Flux at 5578.9
Flux (5578.9)/Airmass
RED = sky fiber
Dispersion = 2.46 %
Fiber number
Focal Distance [mm]
Airmass

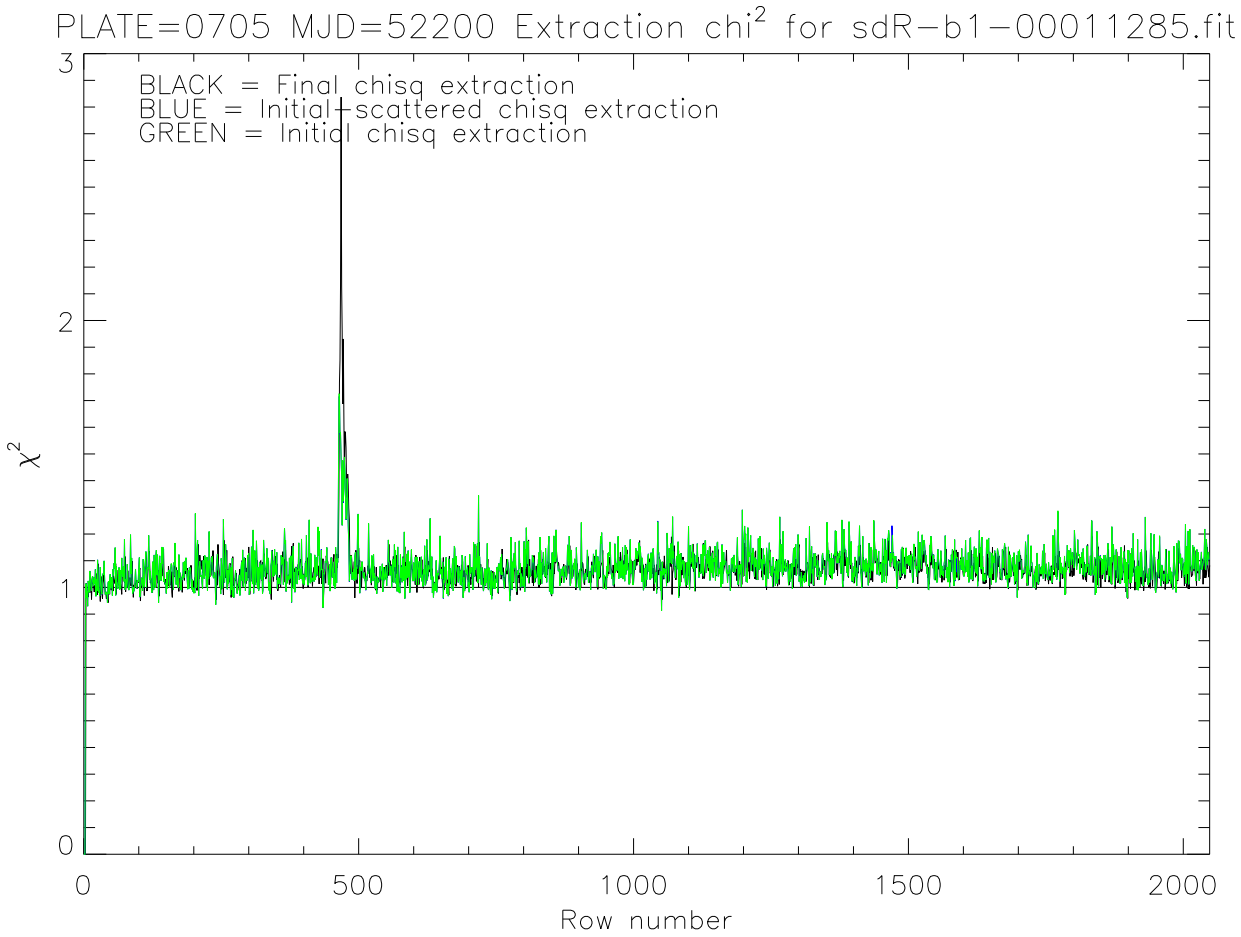

PLATE=0705 MJD=52200 Fiber−Flats for sdR−b1−00011286.fit
BLACK = Median value
ENVELOPE = 1% to 99% range
GREEN = Outlier points
Min value = 0.480
Max value = 1.180
Fiber−Flat
1.5
1.0
0.5
0.0
4000
4500
5000
5500
6000
λ [A]
Mon Feb 25 16:44:40 2008

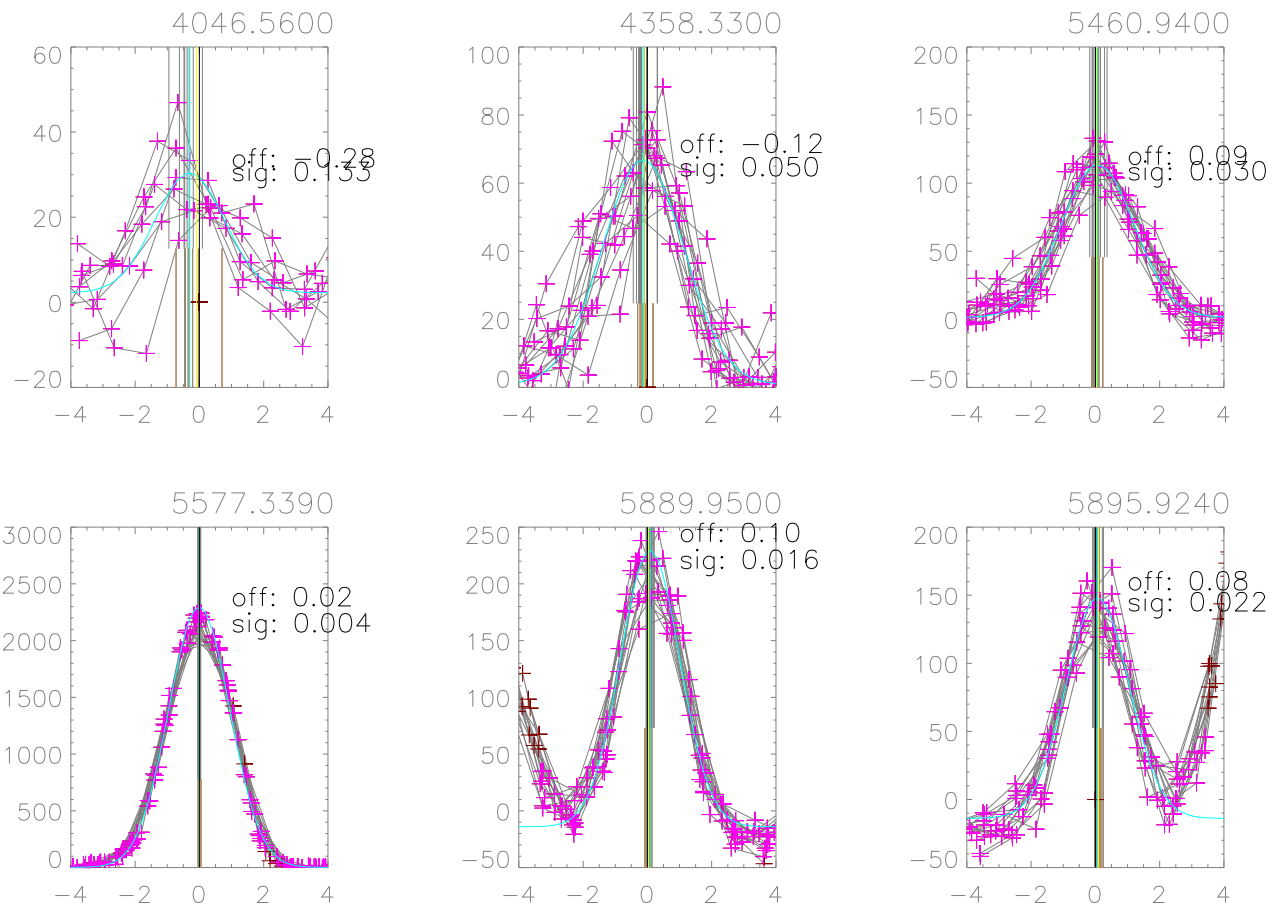

PLATE=0705 MJD=52200 Scattered Light before halo removal on sdR-b1-00011285.f
2000
1500
1000
500
0
Y [pix]
0
500
1000
1500
2000
X [pix]
1.136
1.136
1.136
1.591
1.136
0
0
0

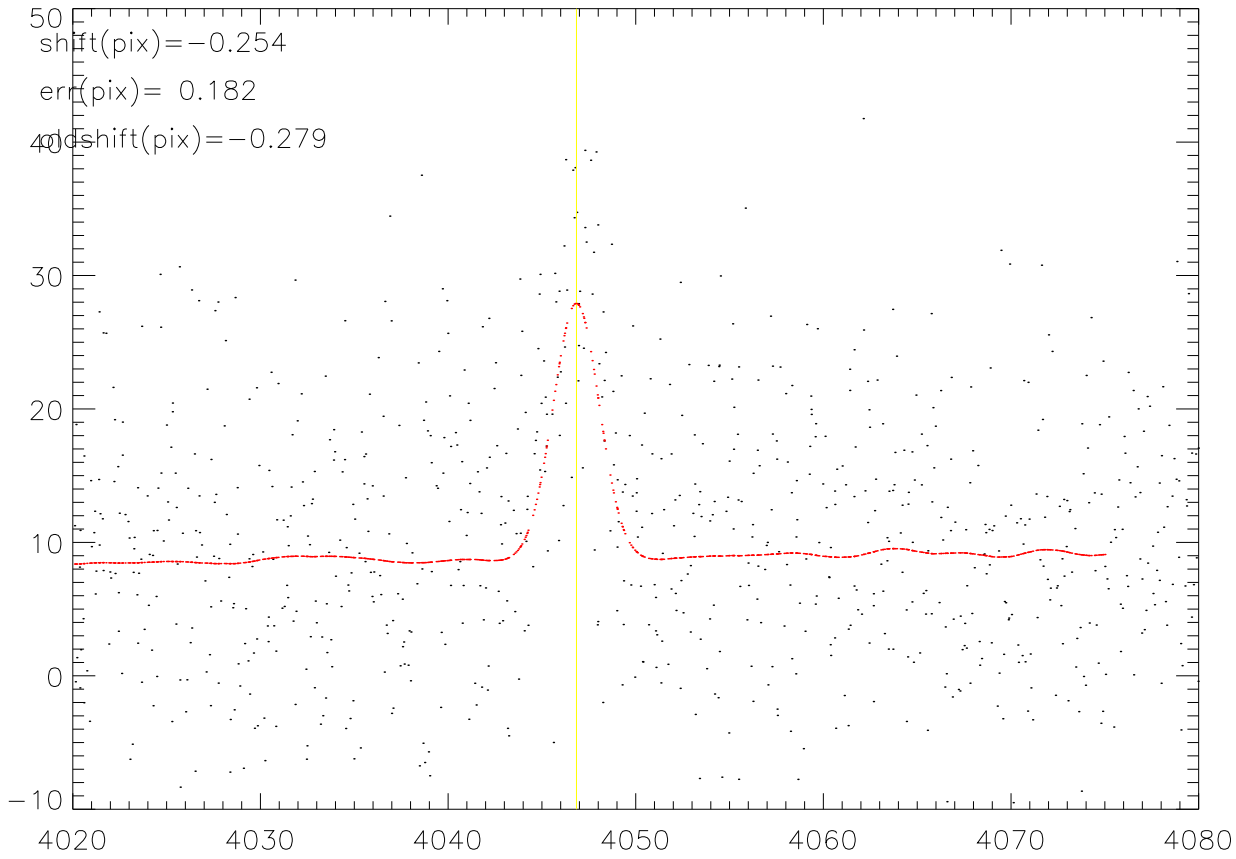

PLATE=0705 MJD=52200 Scattered Light before halo removal on sdR-b1-00011285.f
Brightness [electrons/pix]
2.5
2.0
1.5
1.0
0.5
0.0
Error bars denote full range
Min value = 1.187
Max value = 1.564
4000
4500
5000
5500
6000
λ [A]
Mon Feb 25 16:45:18 2008

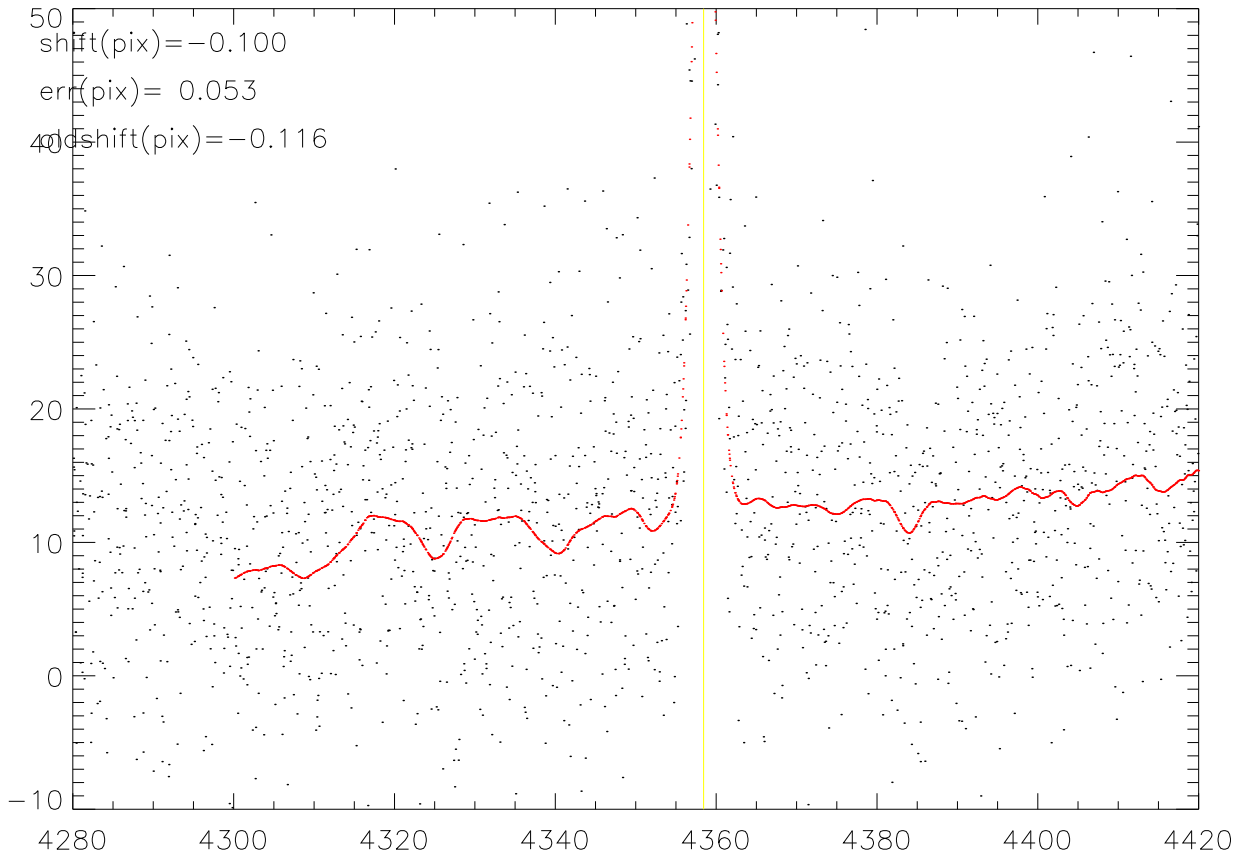

PLATE=0705 MJD=52200 Scattered Light on sdR-b1-00011285.fit
Y [pix]
X [pix]
0
500
1000
1500
2000
0.95
0.73

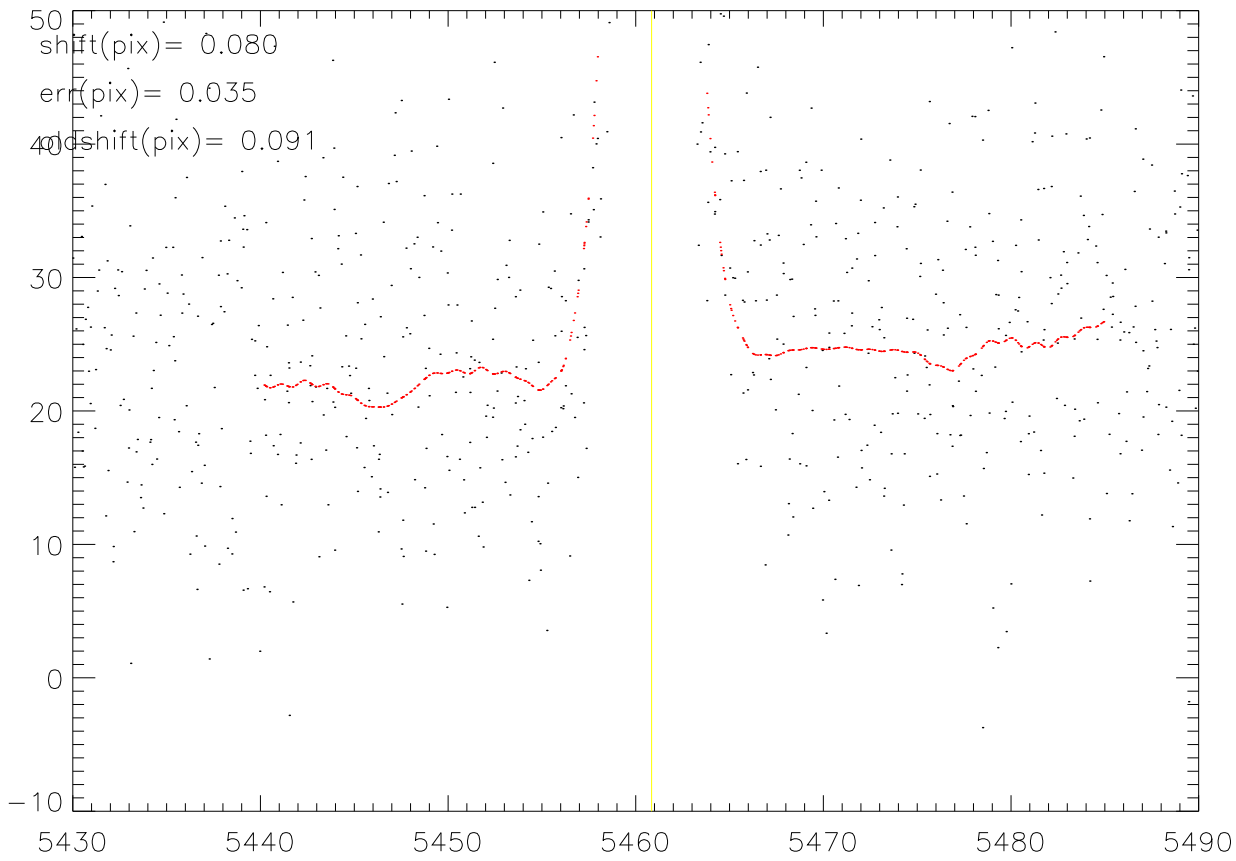

PLATE=0705 MJD=52200 Scattered Light on sdR-b1-00011285.fit
Brightness [electrons/pix]
1.5
1.0
0.5
0.0
Error bars denote full range
Min value = 0.713
Max value = 0.976
4000
4500
5000
5500
6000
λ [A]
Mon Feb 25 16:47:50 2008

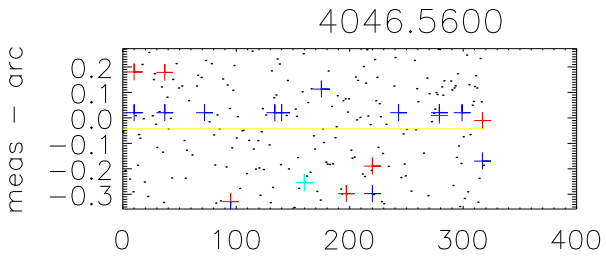

PLATE=0705 MJD=52200 Extraction chi$^2$ for sdR-b1-00011285.fit
BLACK = Final chisq extraction
BLUE = Initial+scattered chisq extraction
GREEN = Initial chisq extraction
$\chi^2$
0
1
2
3
0
500
1000
1500
2000
Row number

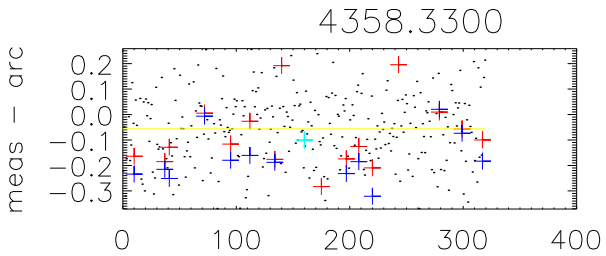

4046.5600
off: −0.28
sig: 0.133
4358.3300
off: −0.12
sig: 0.050
5460.9400
off: 0.09
sig: 0.030
5577.3390
off: 0.02
sig: 0.004
5889.9500
off: 0.10
sig: 0.016
5895.9240
off: 0.08
sig: 0.022

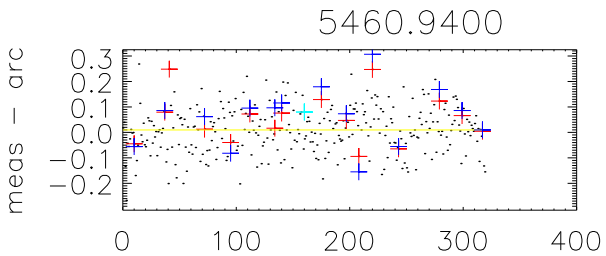

shift(pix)=−0.254
err(pix)= 0.182
addshift(pix)=−0.279
50
40
30
20
10
0
−10
4020
4030
4040
4050
4060
4070
4080

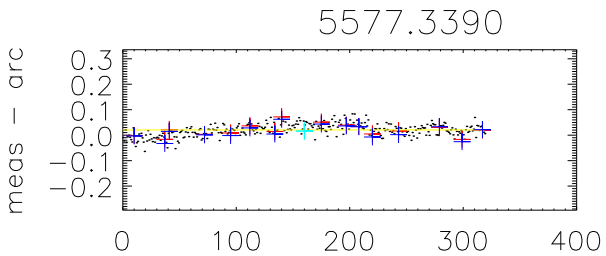

shift(pix)=−0.100
err(pix)= 0.053
oldshift(pix)=−0.116
50
40
30
20
10
0
−10
4280
4300
4320
4340
4360
4380
4400
4420

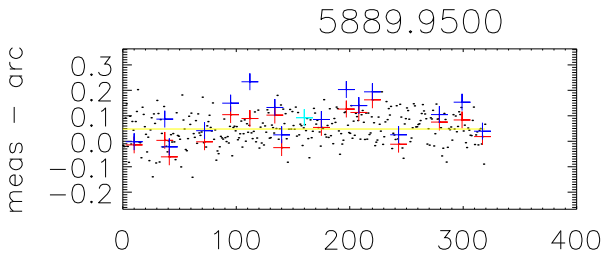

shift(pix)= 0.080
err(pix)= 0.035
oldshift(pix)= 0.091
50
40
30
20
10
0
−10
5430
5440
5450
5460
5470
5480
5490

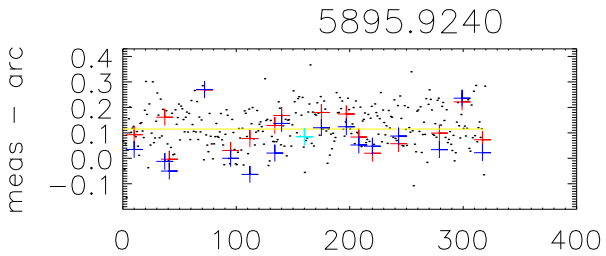

4046.5600
meas − arc
0.2
0.1
0.0
−0.1
−0.2
−0.3
0
100
200
300
400

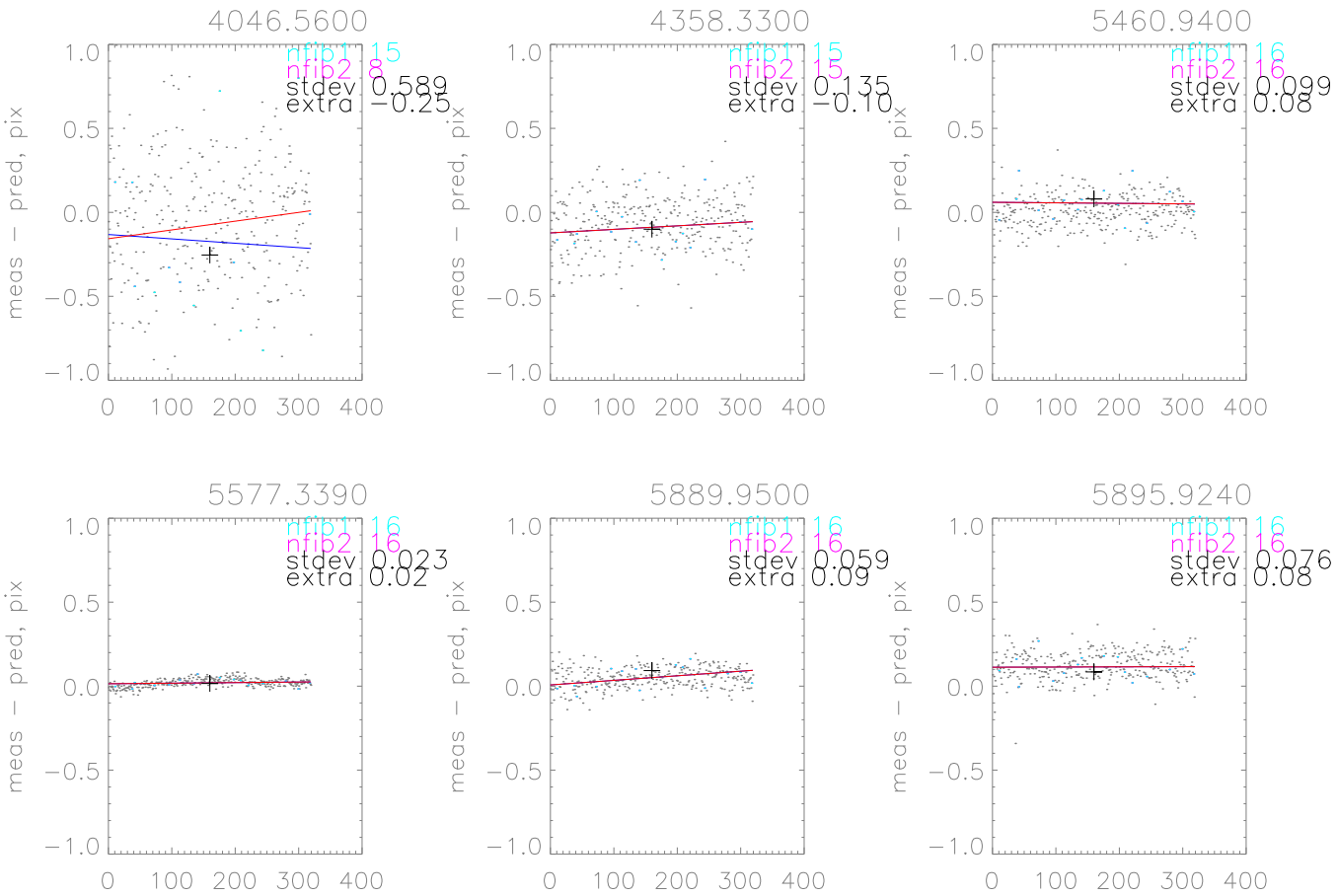

4358.3300
meas − arc
0.2
0.1
0.0
−0.1
−0.2
−0.3
0
100
200
300
400

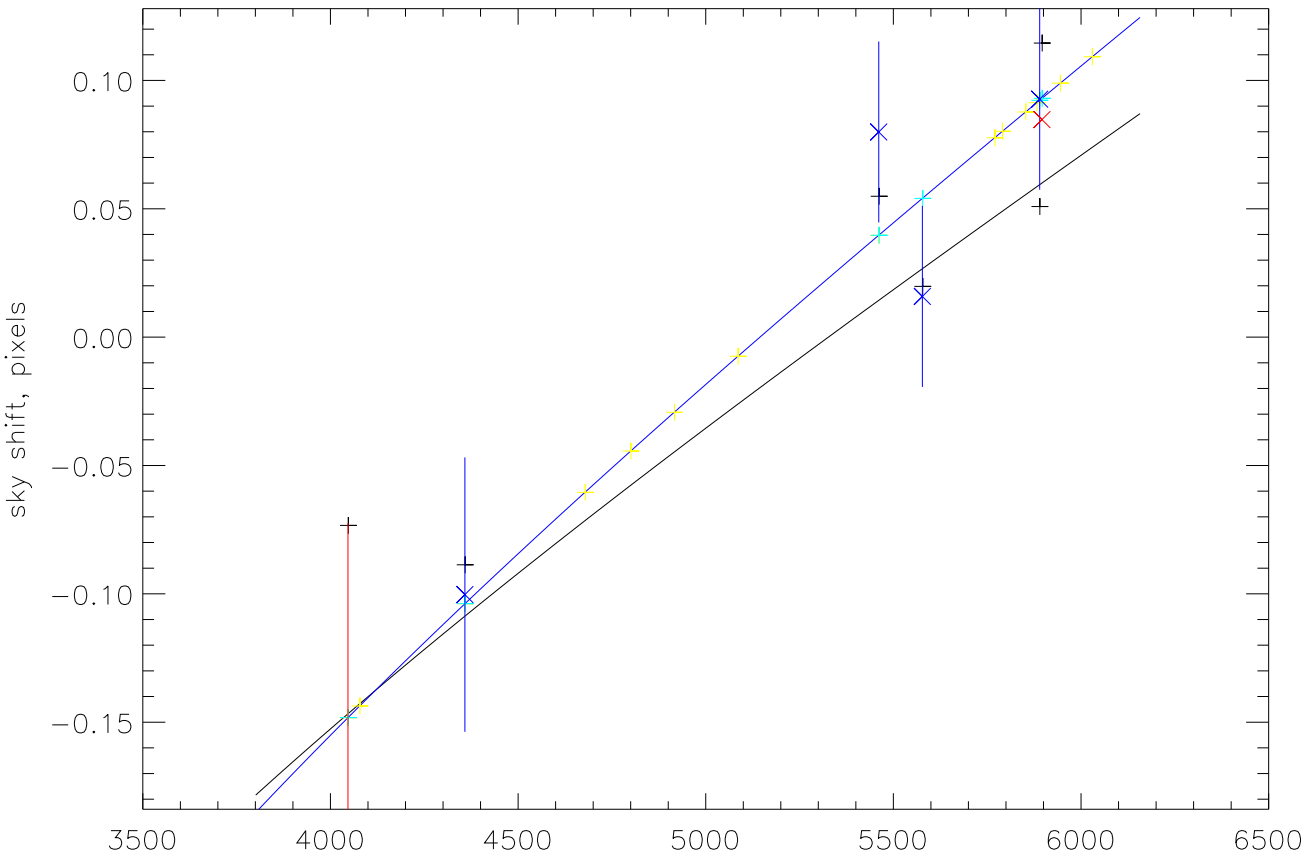

5460.9400
meas − arc
0.3
0.2
0.1
0.0
−0.1
−0.2
0
100
200
300
400

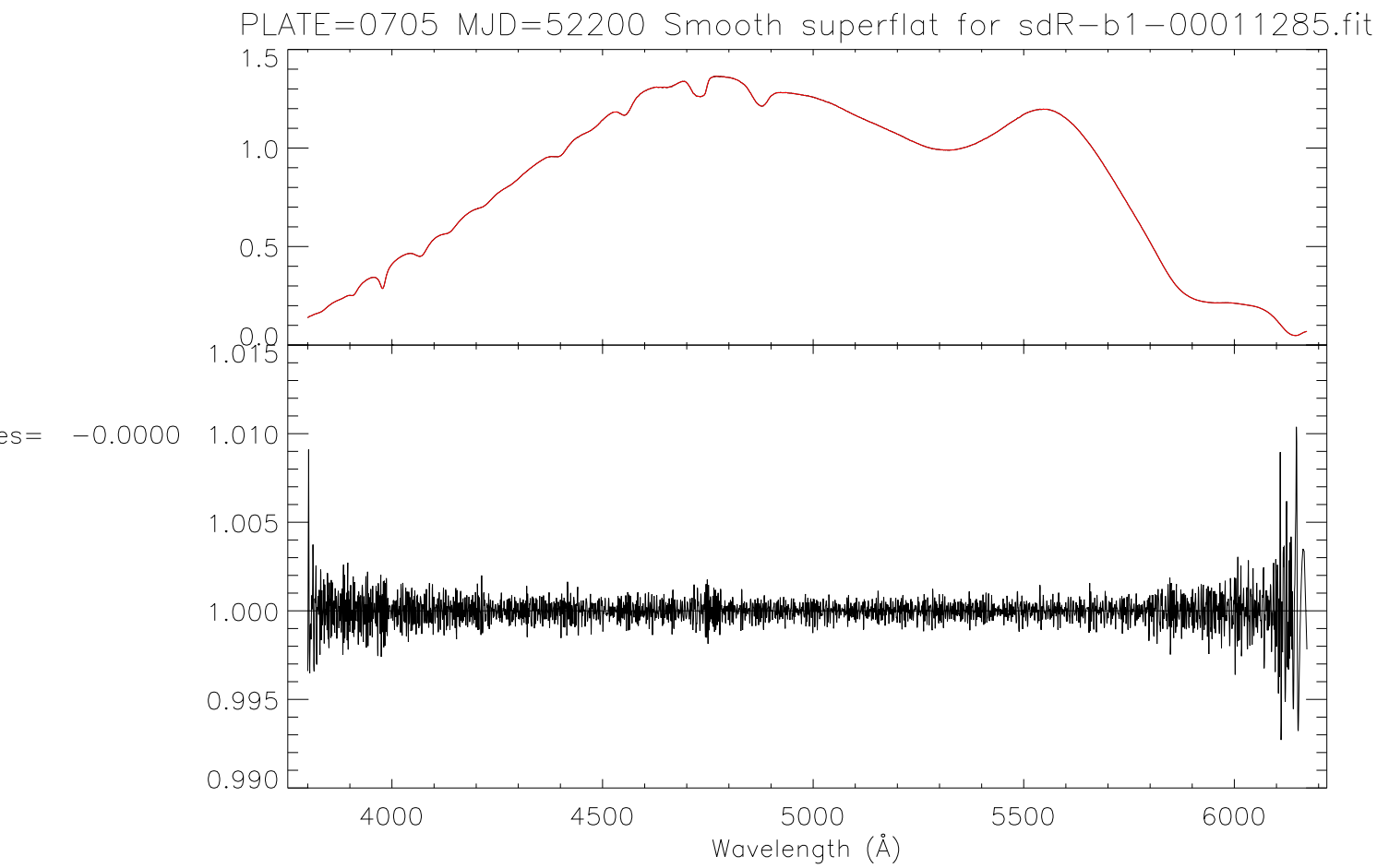

5577.3390
meas − arc
0.3
0.2
0.1
0.0
−0.1
−0.2
0
100
200
300
400

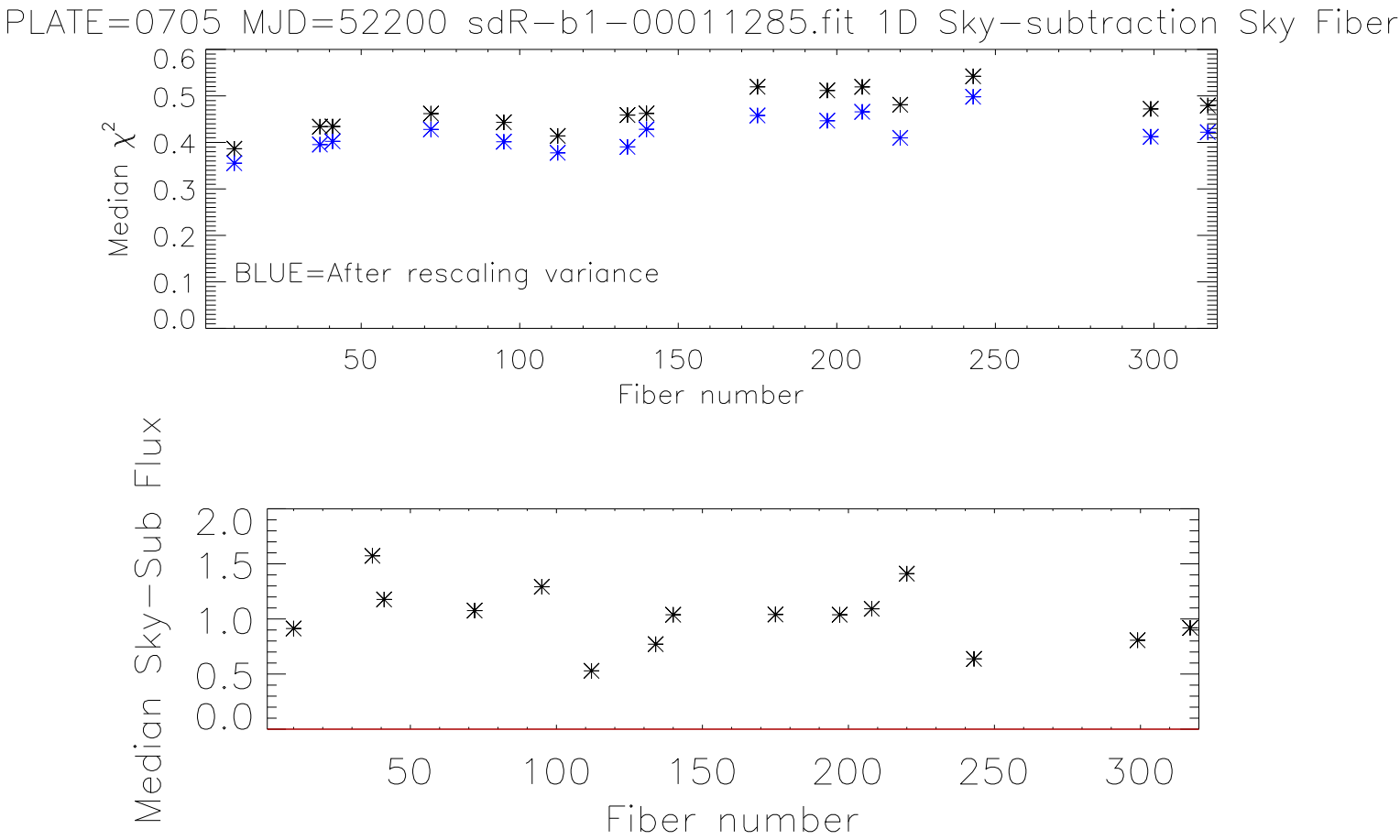

5889.9500
meas − arc
0.3
0.2
0.1
0.0
−0.1
−0.2
0
100
200
300
400

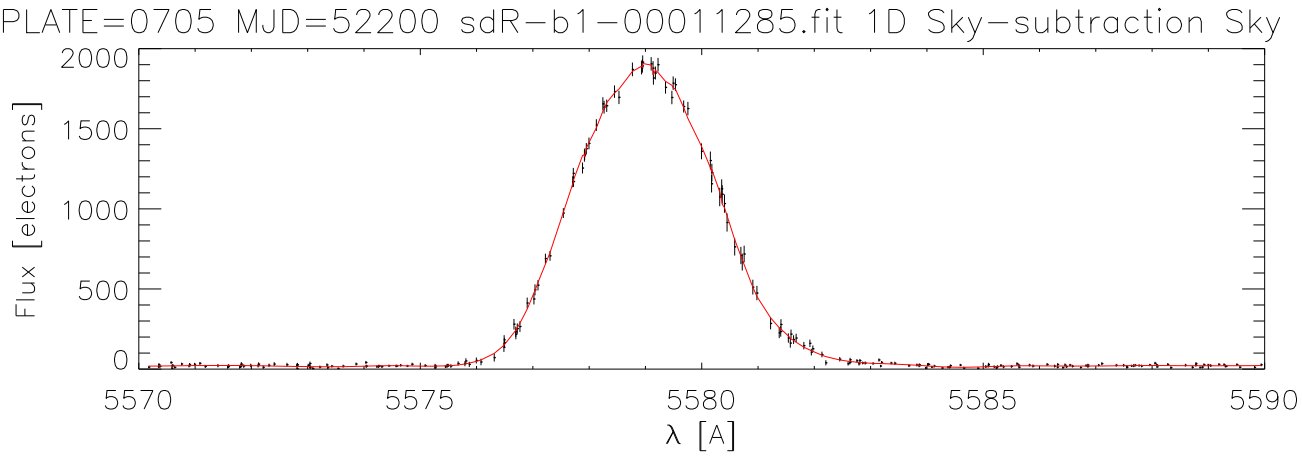

5895.9240
meas − arc
0.4
0.3
0.2
0.1
0.0
−0.1
0
100
200
300
400

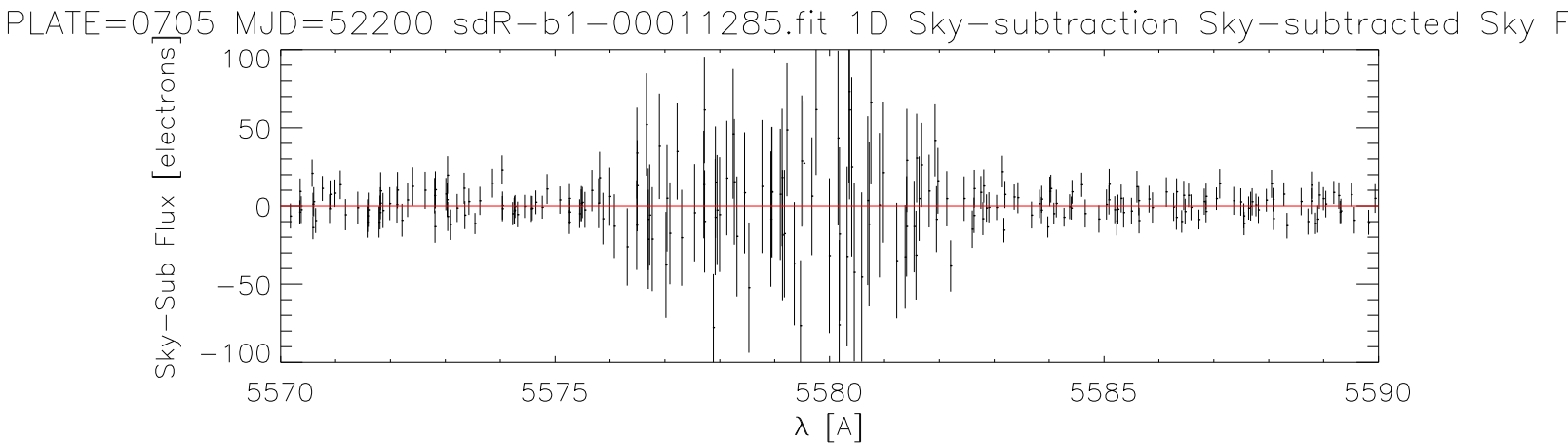

4046.5600
nfib1 15
nfib2 8
stdev 0.589
extra −0.25
4358.3300
nfib1 15
nfib2 15
stdev 0.135
extra −0.10
5460.9400
nfib1 16
nfib2 16
stdev 0.099
extra 0.08
5577.3390
nfib1 16
nfib2 16
stdev 0.023
extra 0.02
5889.9500
nfib1 16
nfib2 16
stdev 0.059
extra 0.09
5895.9240
nfib1 16
nfib2 16
stdev 0.076
extra 0.08
meas − pred, pix
1.0
0.5
0.0
−0.5
−1.0
0
100
200
300
400

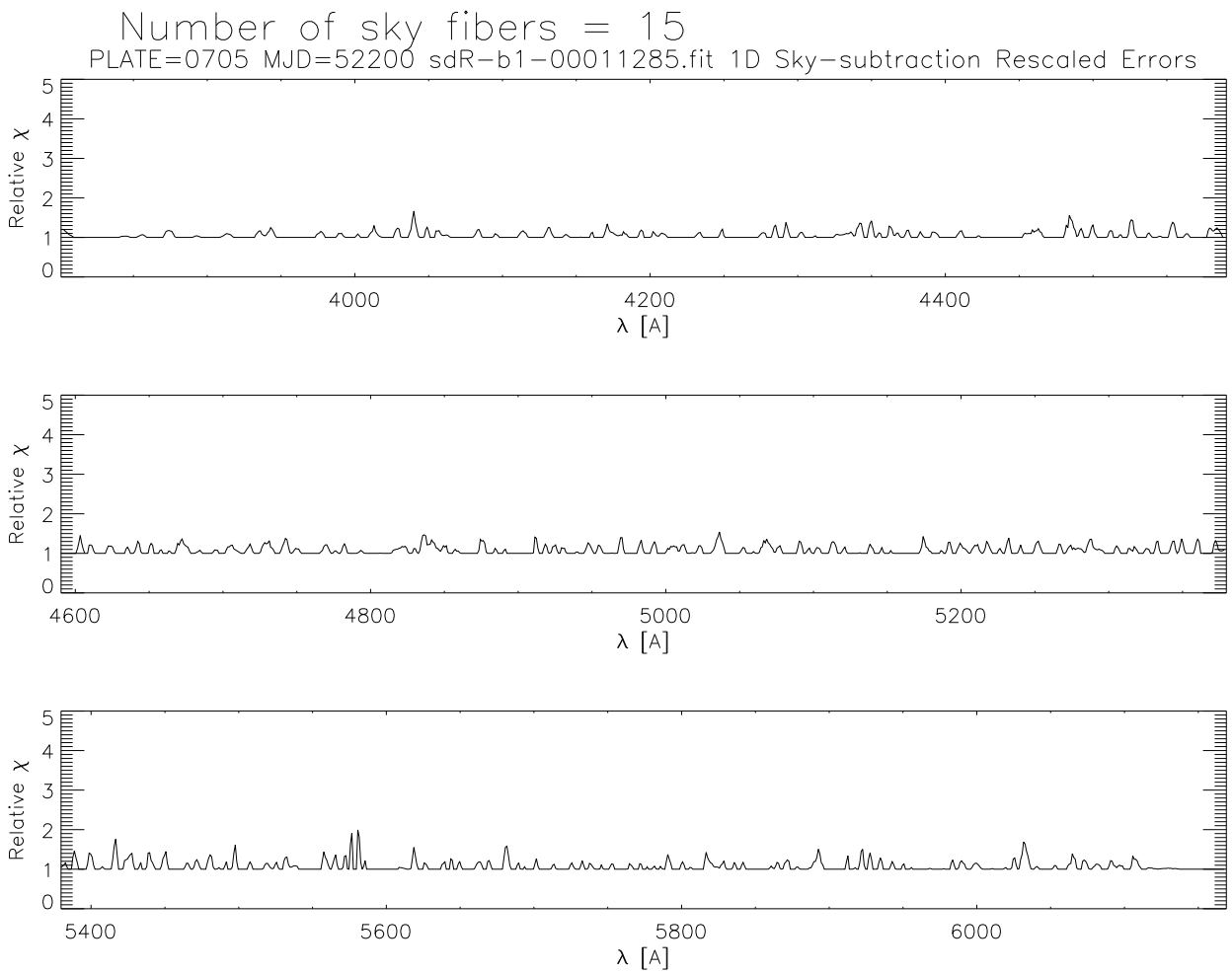

sky shift, pixels
0.10
0.05
0.00
−0.05
−0.10
−0.15
3500
4000
4500
5000
5500
6000
6500

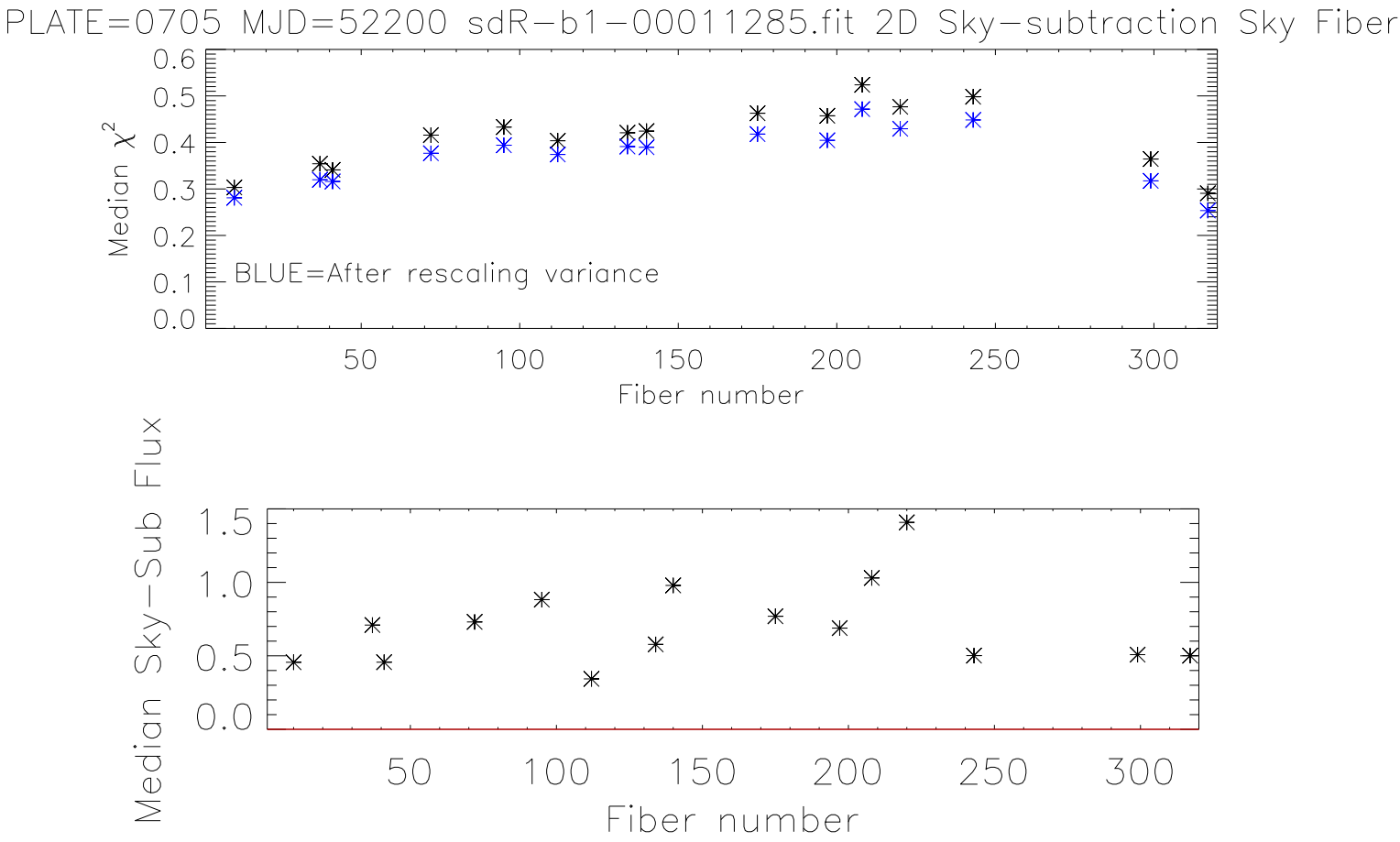

PLATE=0705 MJD=52200 Smooth superflat for sdR-b1-00011285.fit
1.5
1.0
0.5
0.0
es= -0.0000
1.015
1.010
1.005
1.000
0.995
0.990
4000
4500
5000
5500
6000
Wavelength (Å)

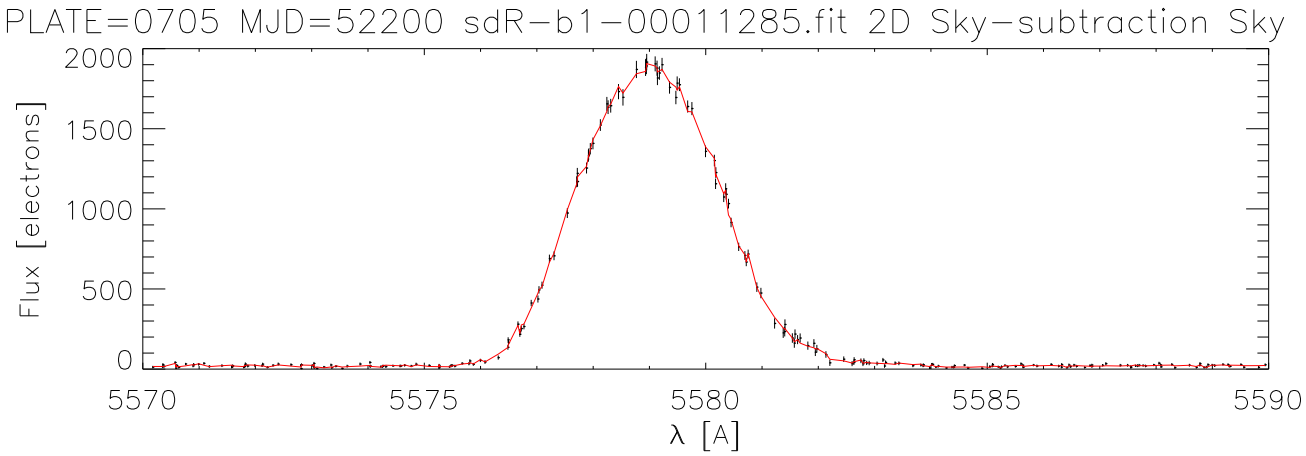

PLATE=0705 MJD=52200 sdR-b1-00011285.fit 1D Sky-subtraction Sky Fiber
Median $\chi^2$
BLUE=After rescaling variance
Fiber number
Median Sky-Sub Flux
Fiber number

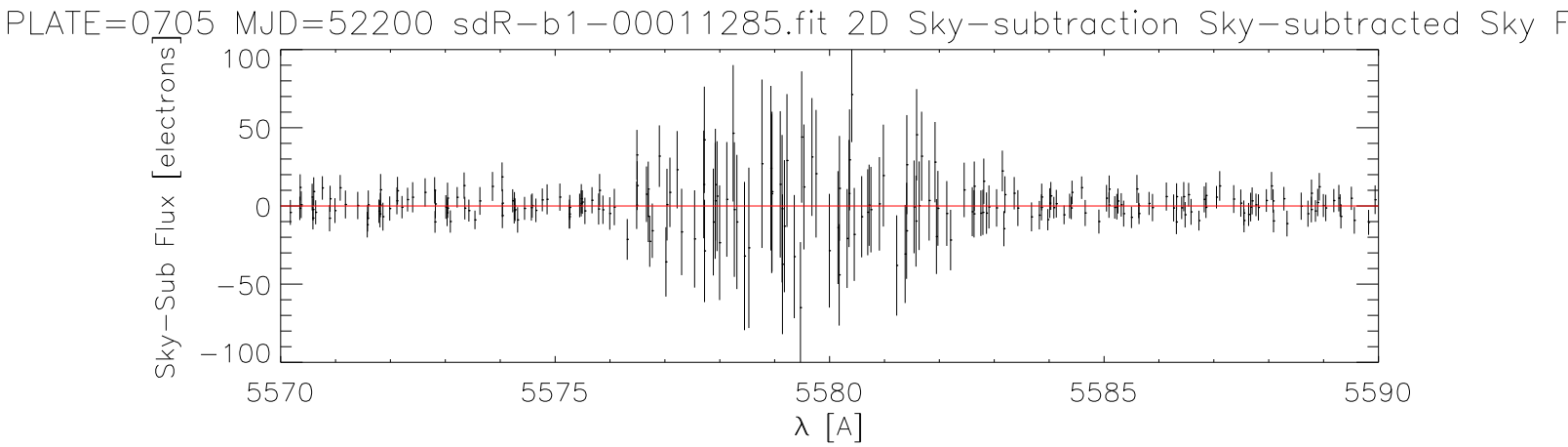

PLATE=0705 MJD=52200 sdR-b1-00011285.fit 1D Sky-subtraction Sky Fibers
Flux [electrons]
2000
1500
1000
500
0
5570
5575
5580
5585
5590
λ [A]

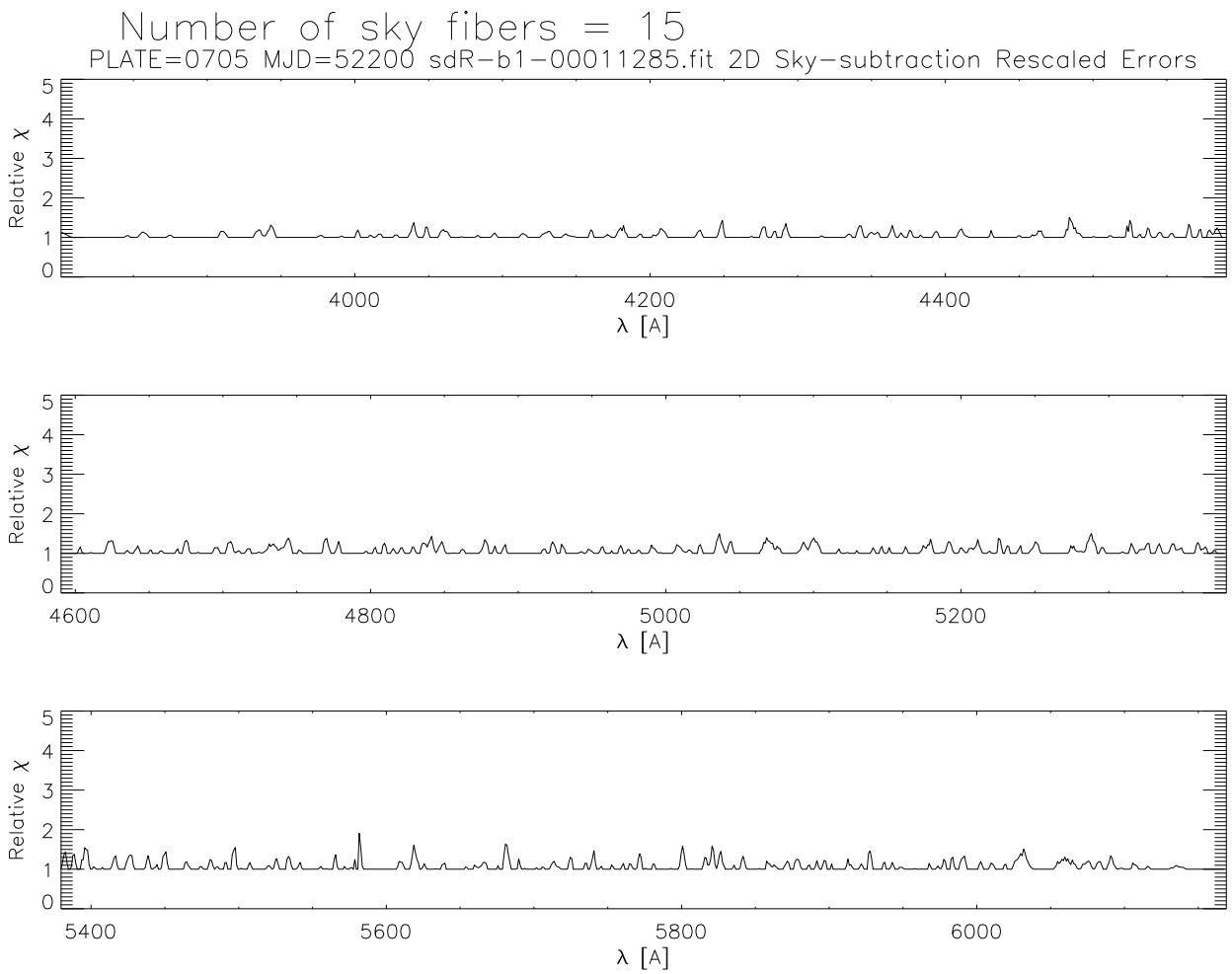

PLATE=0705 MJD=52200 sdR-b1-00011285.fit 1D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
100
50
0
-50
-100
5570
5575
5580
5585
5590
λ [A]

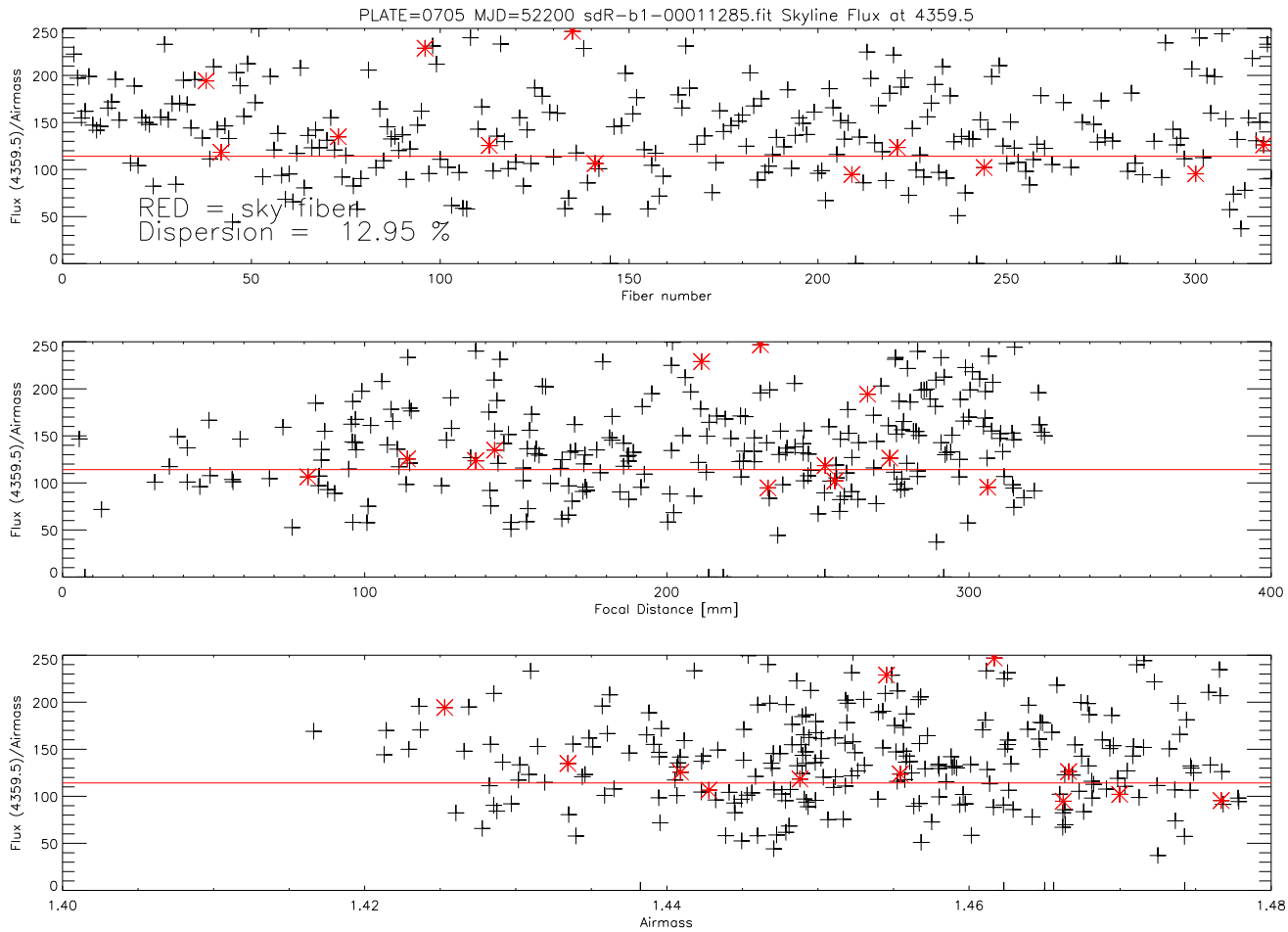

Number of sky fibers = 15
PLATE=0705 MJD=52200 sdR-b1-00011285.fit 1D Sky-subtraction Rescaled Errors
Relative χ
λ [A]
4000
4200
4400
4600
4800
5000
5200
5400
5600
5800
6000

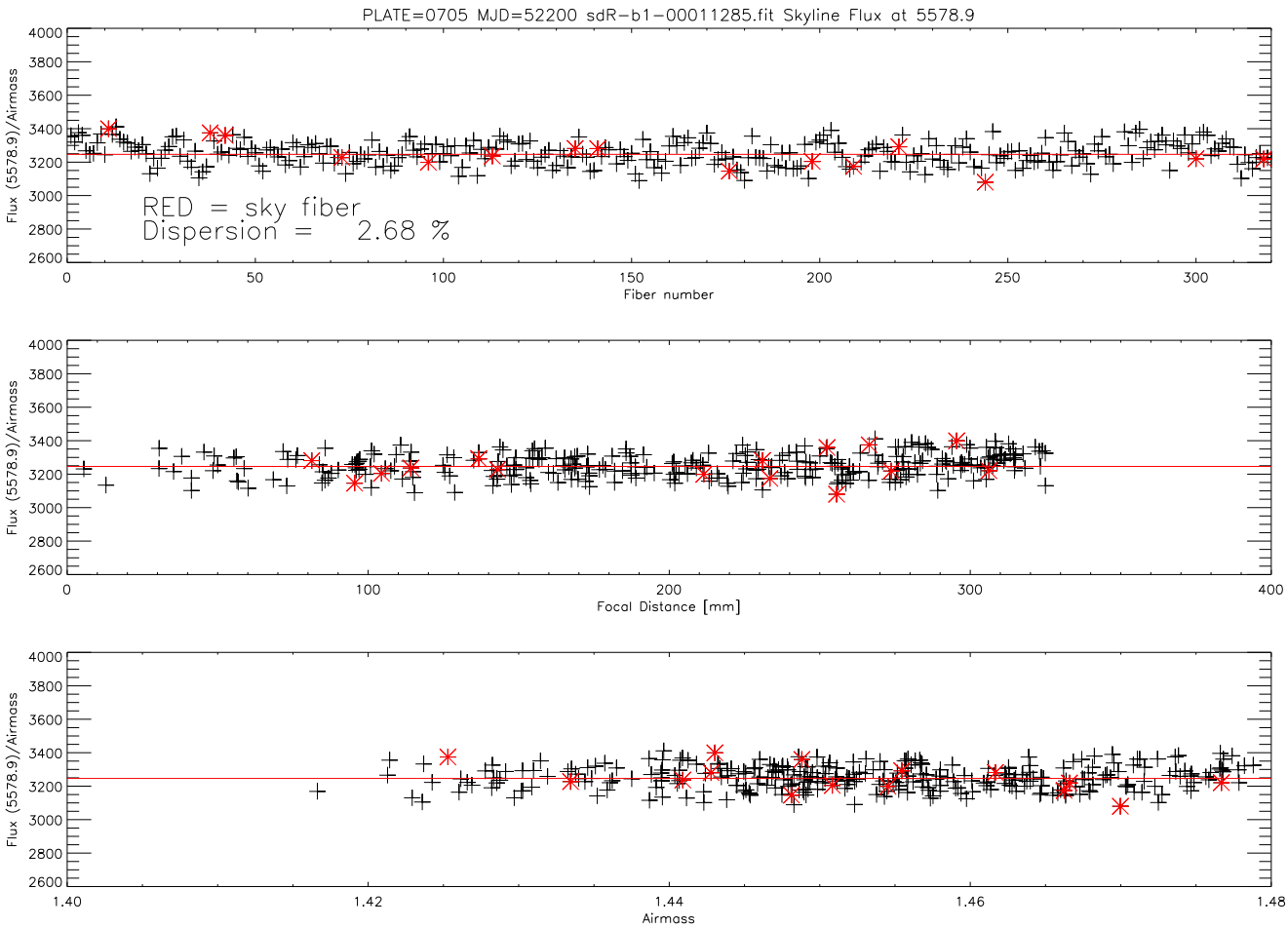

PLATE=0705 MJD=52200 sdR-b1-00011285.fit 2D Sky-subtraction Sky Fiber
Median $\chi^2$
BLUE=After rescaling variance
Fiber number
Median Sky-Sub Flux
Fiber number

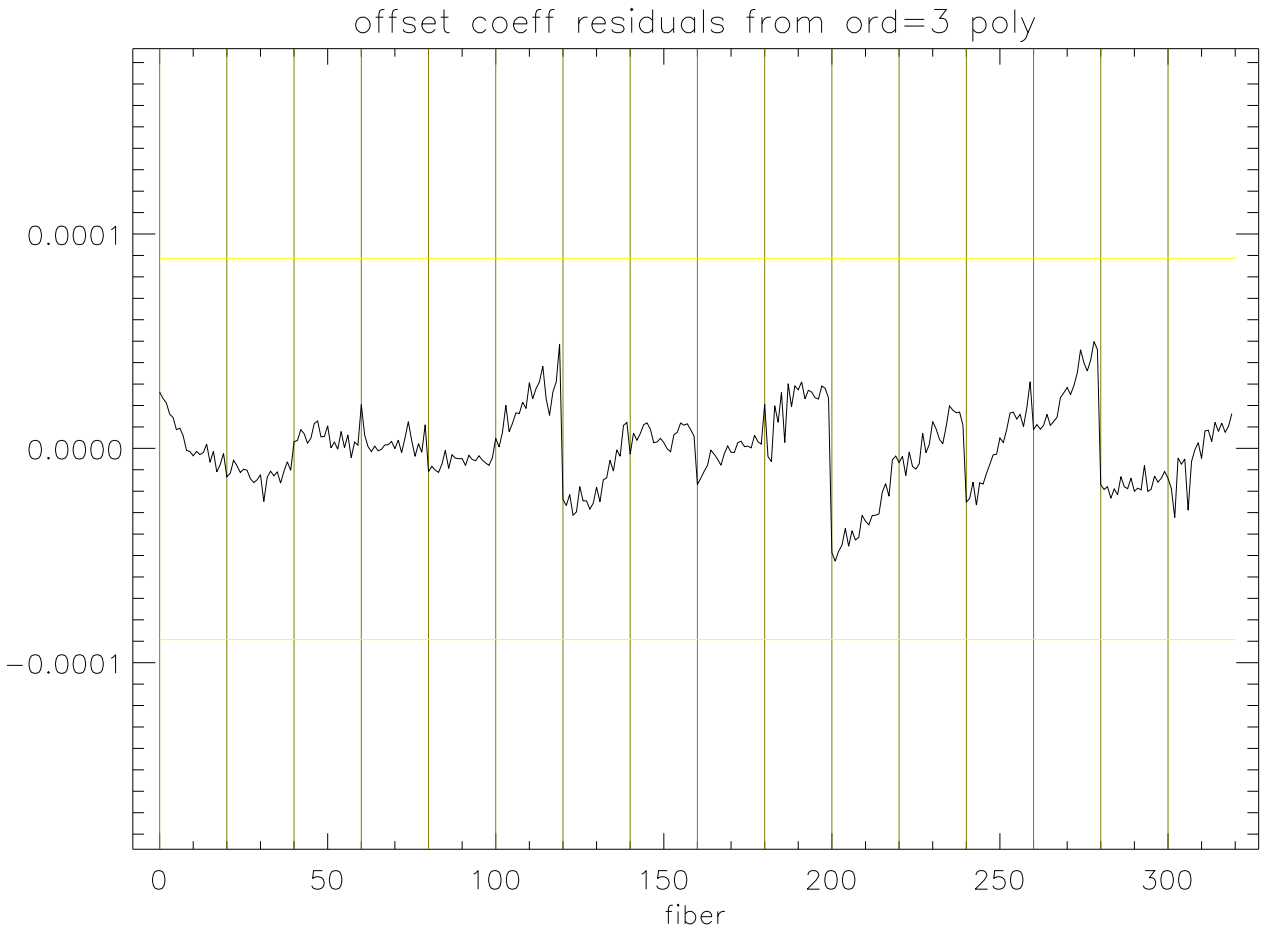

PLATE=0705 MJD=52200 sdR-b1-00011285.fit 2D Sky-subtraction Sky Fibers
Flux [electrons]
2000
1500
1000
500
0
5570
5575
5580
5585
5590
λ [A]

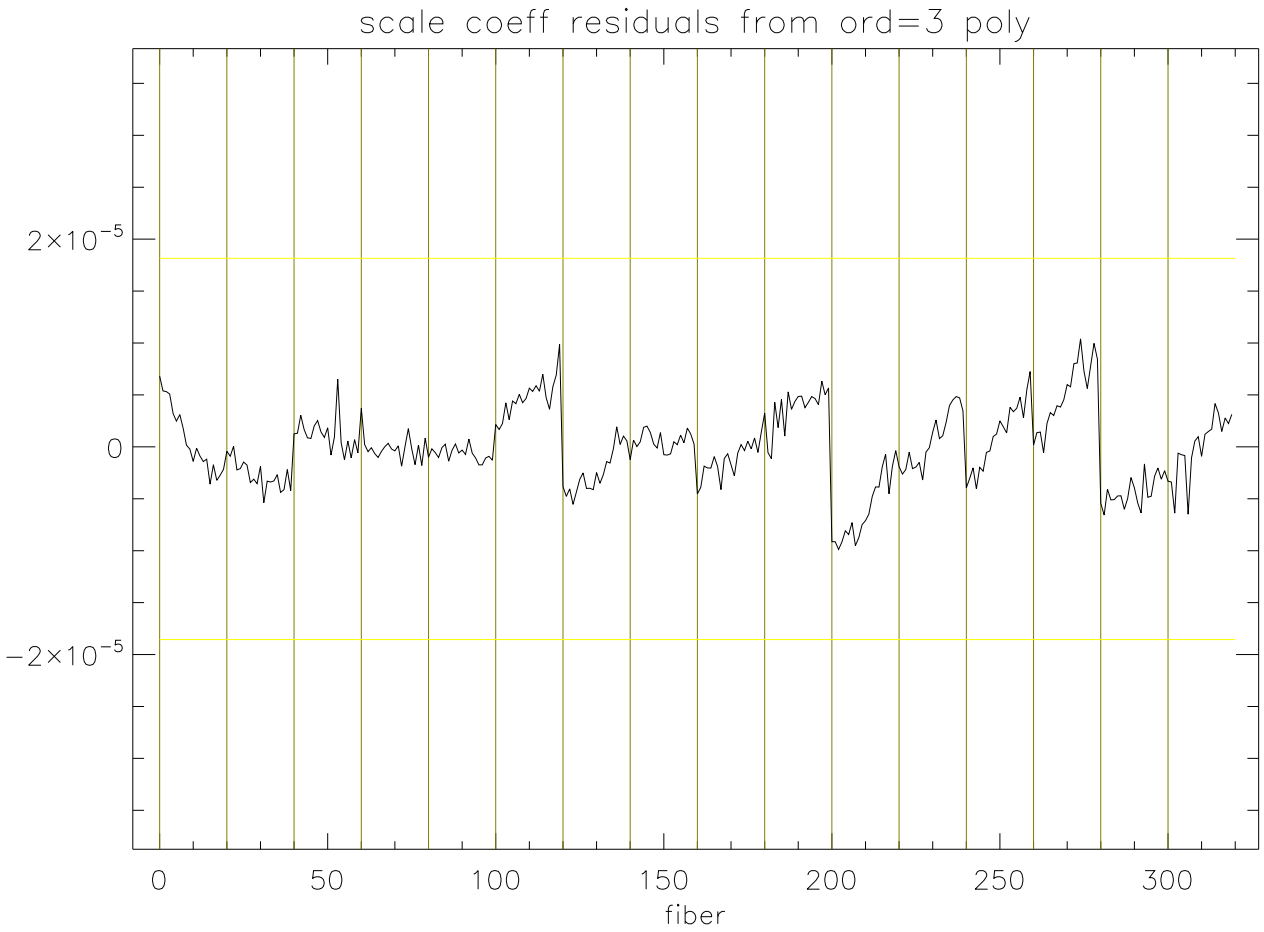

PLATE=0705 MJD=52200 sdR-b1-00011285.fit 2D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
100
50
0
-50
-100
5570
5575
5580
5585
5590
λ [A]

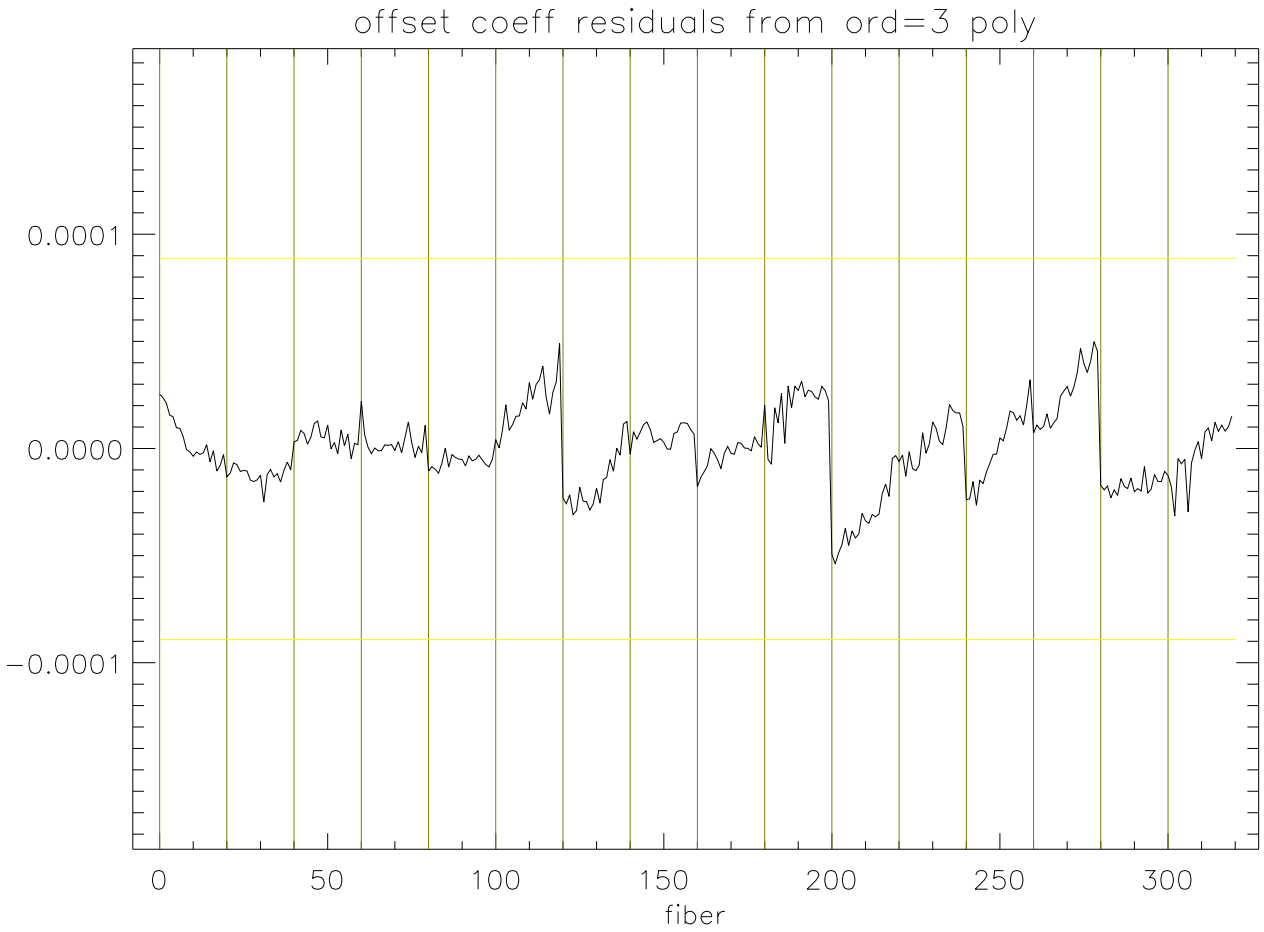

Number of sky fibers = 15
PLATE=0705 MJD=52200 sdR-b1-00011285.fit 2D Sky-subtraction Rescaled Errors
Relative χ
λ [A]
4000
4200
4400
4600
4800
5000
5200
5400
5600
5800
6000

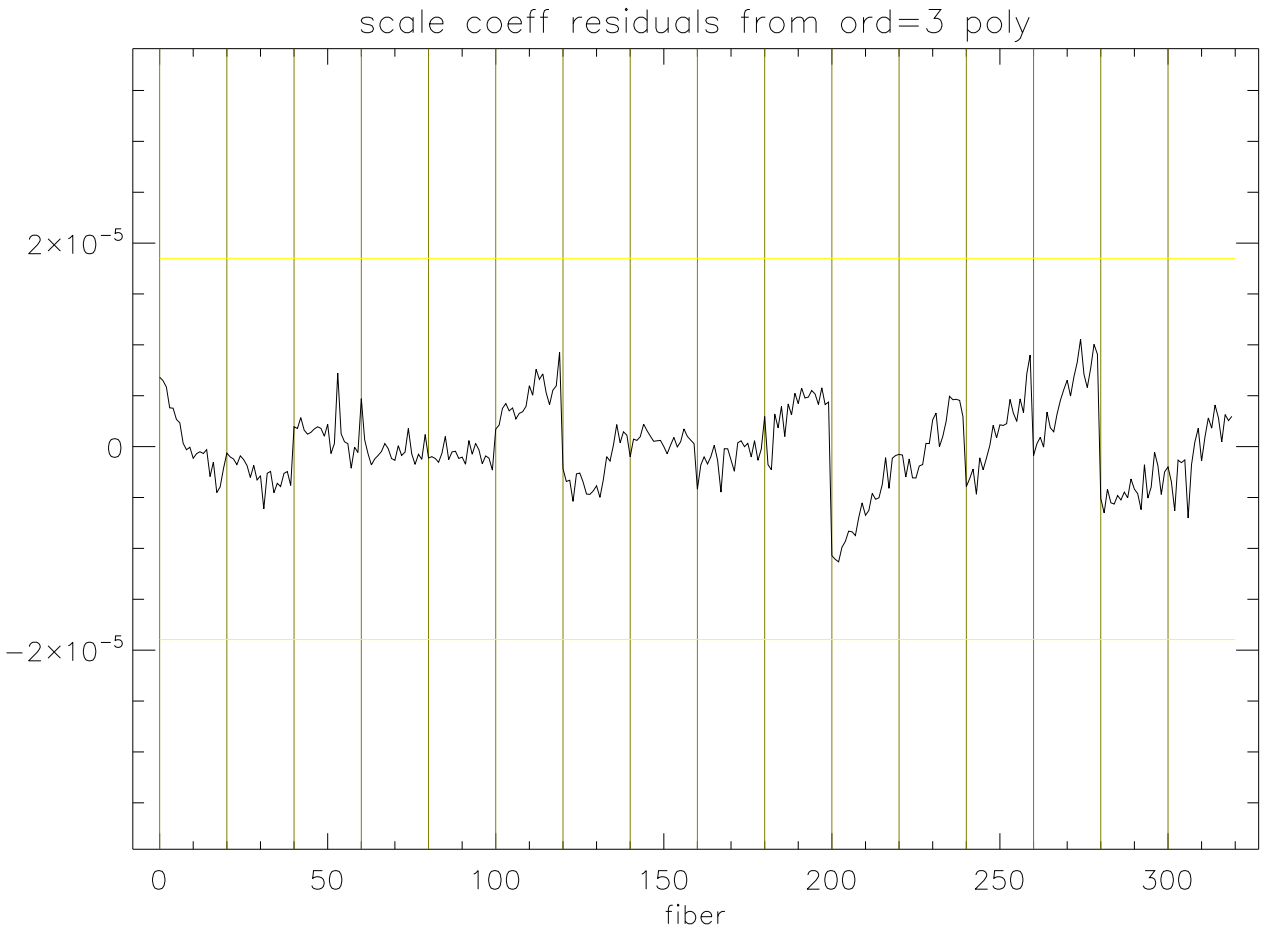

PLATE=0705 MJD=52200 sdR-b1-00011285.fit Skyline Flux at 4359.5
Flux (4359.5)/Airmass
Fiber number
RED = sky fiber
Dispersion = 12.95 %
Flux (4359.5)/Airmass
Focal Distance [mm]
Flux (4359.5)/Airmass
Airmass

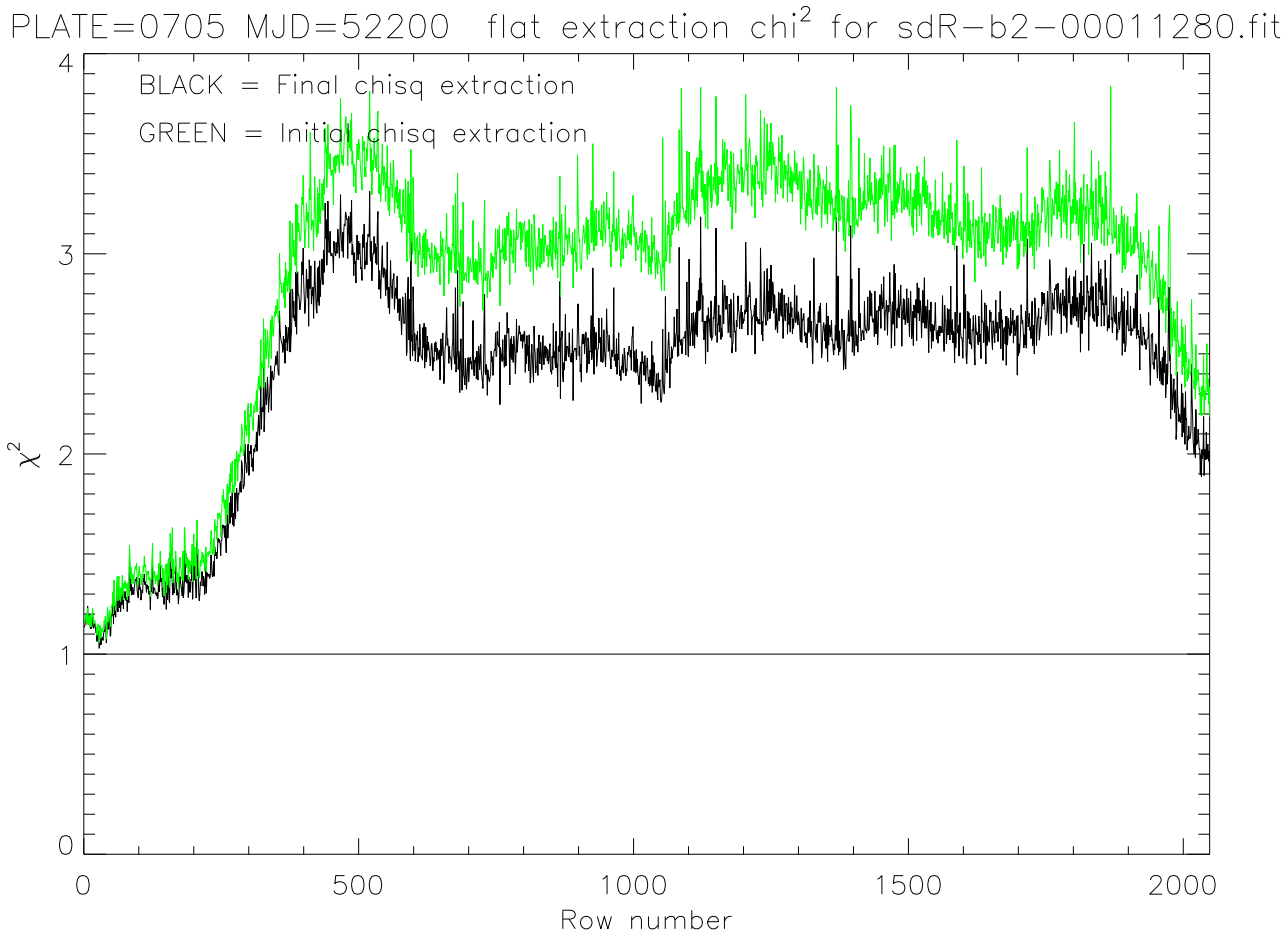

PLATE=0705 MJD=52200 sdR-b1-00011285.fit Skyline Flux at 5578.9
Flux (5578.9)/Airmass
RED = sky fiber
Dispersion = 2.68 %
Fiber number
Flux (5578.9)/Airmass
Focal Distance [mm]
Flux (5578.9)/Airmass
Airmass

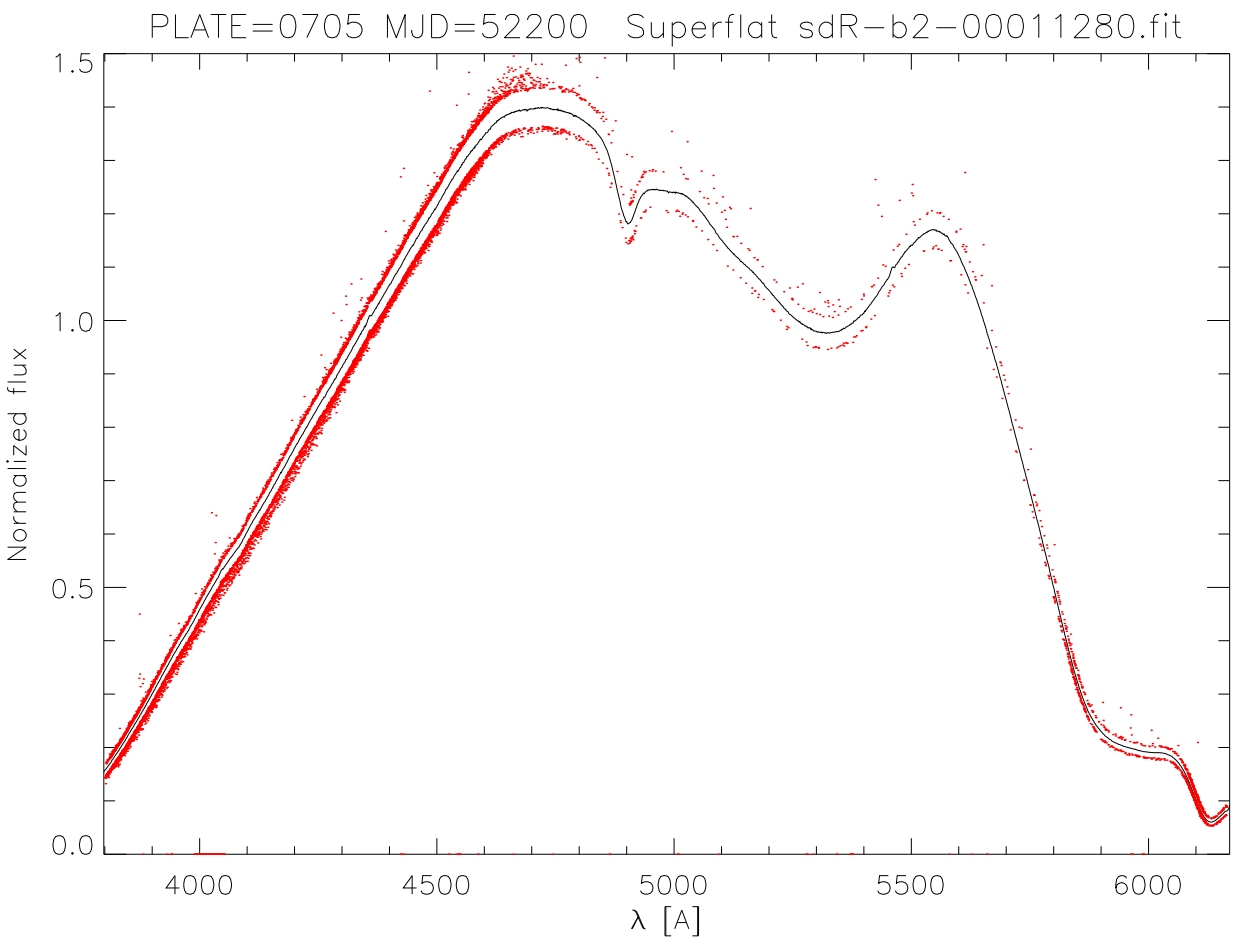

offset coeff residuals from ord=3 poly
0.0001
0.0000
−0.0001
0
50
100
150
200
250
300
fiber

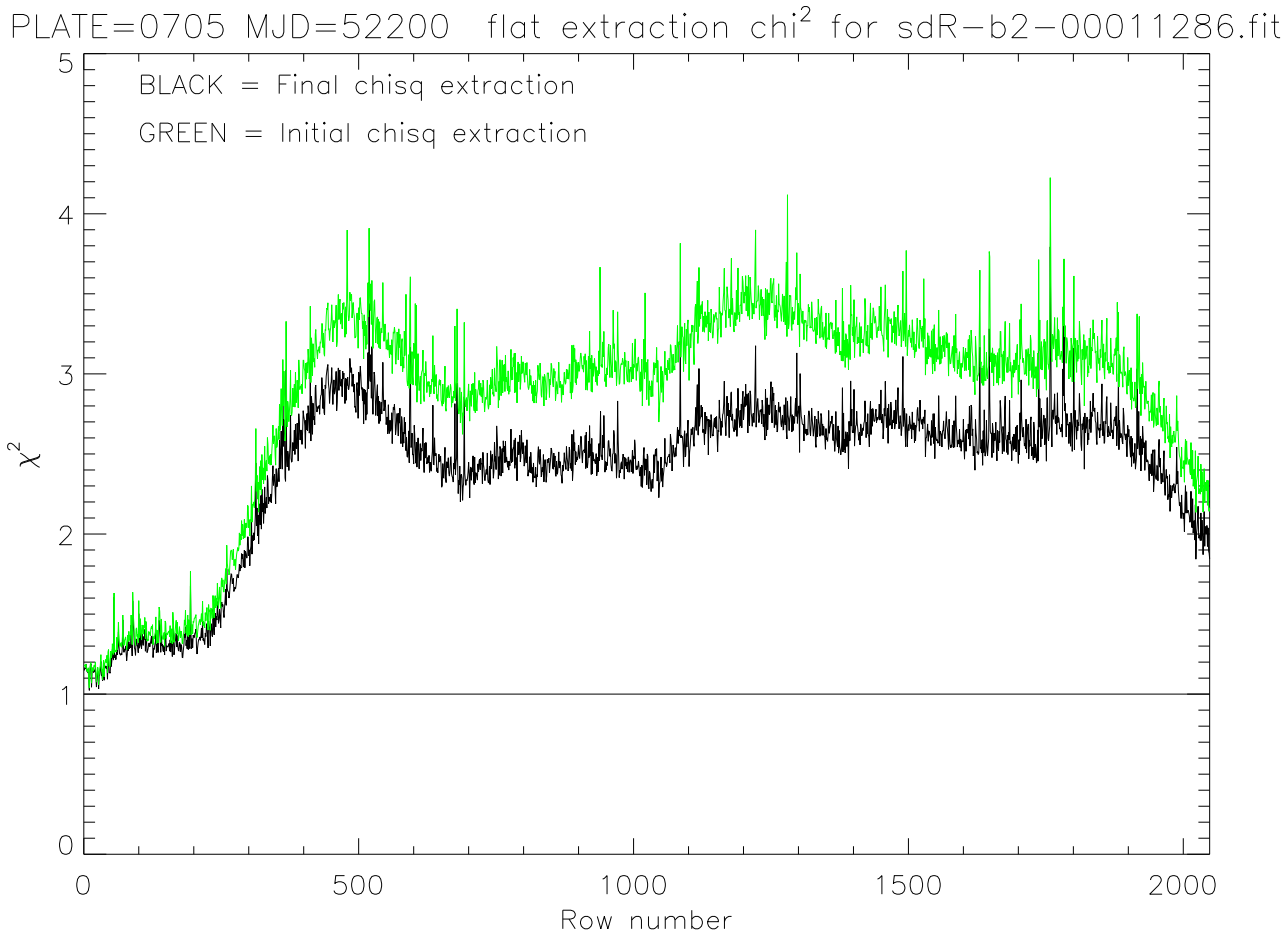

scale coeff residuals from ord=3 poly
2×10⁻⁵
0
−2×10⁻⁵
0
50
100
150
200
250
300
fiber

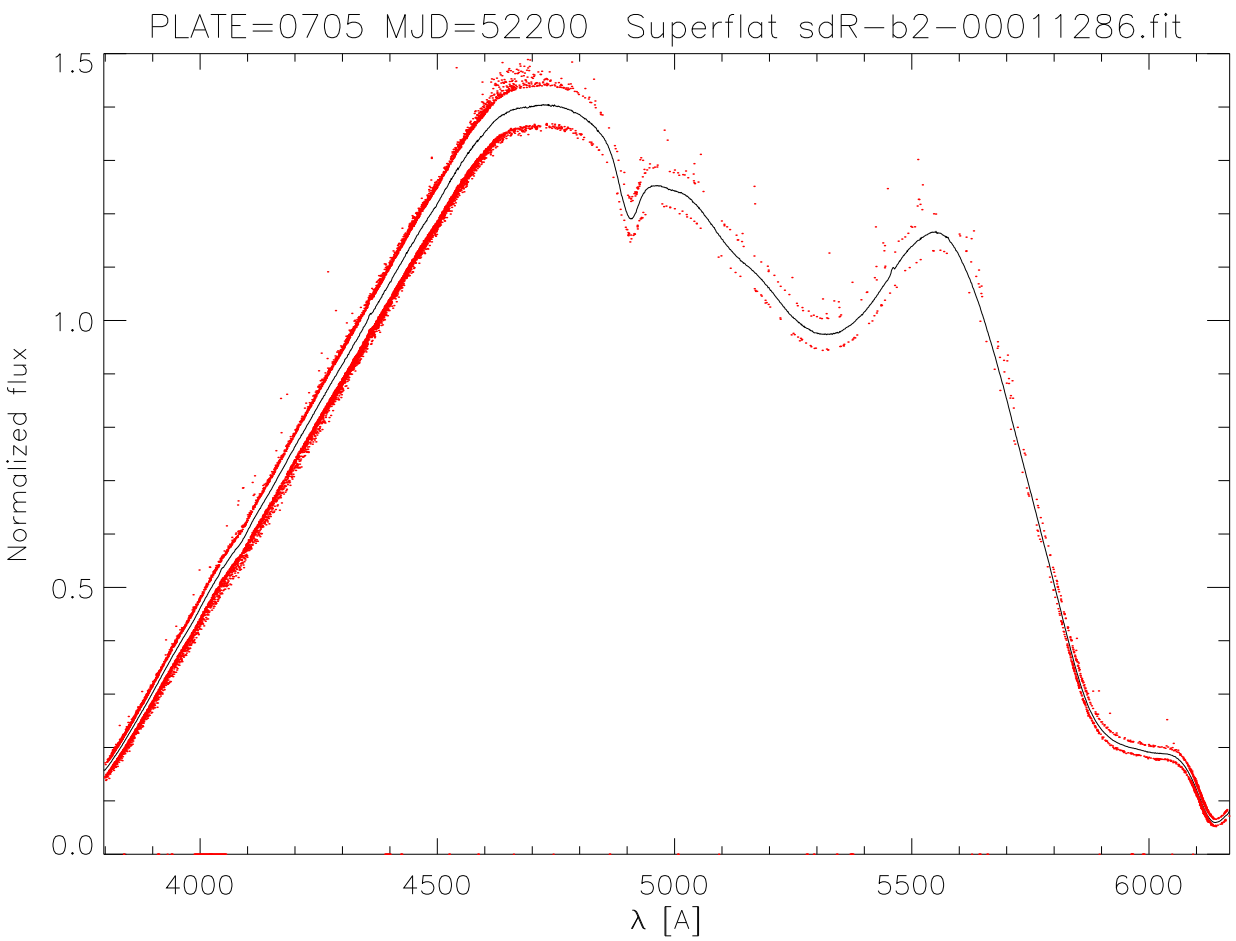

offset coeff residuals from ord=3 poly
0.0001
0.0000
−0.0001
0
50
100
150
200
250
300
fiber

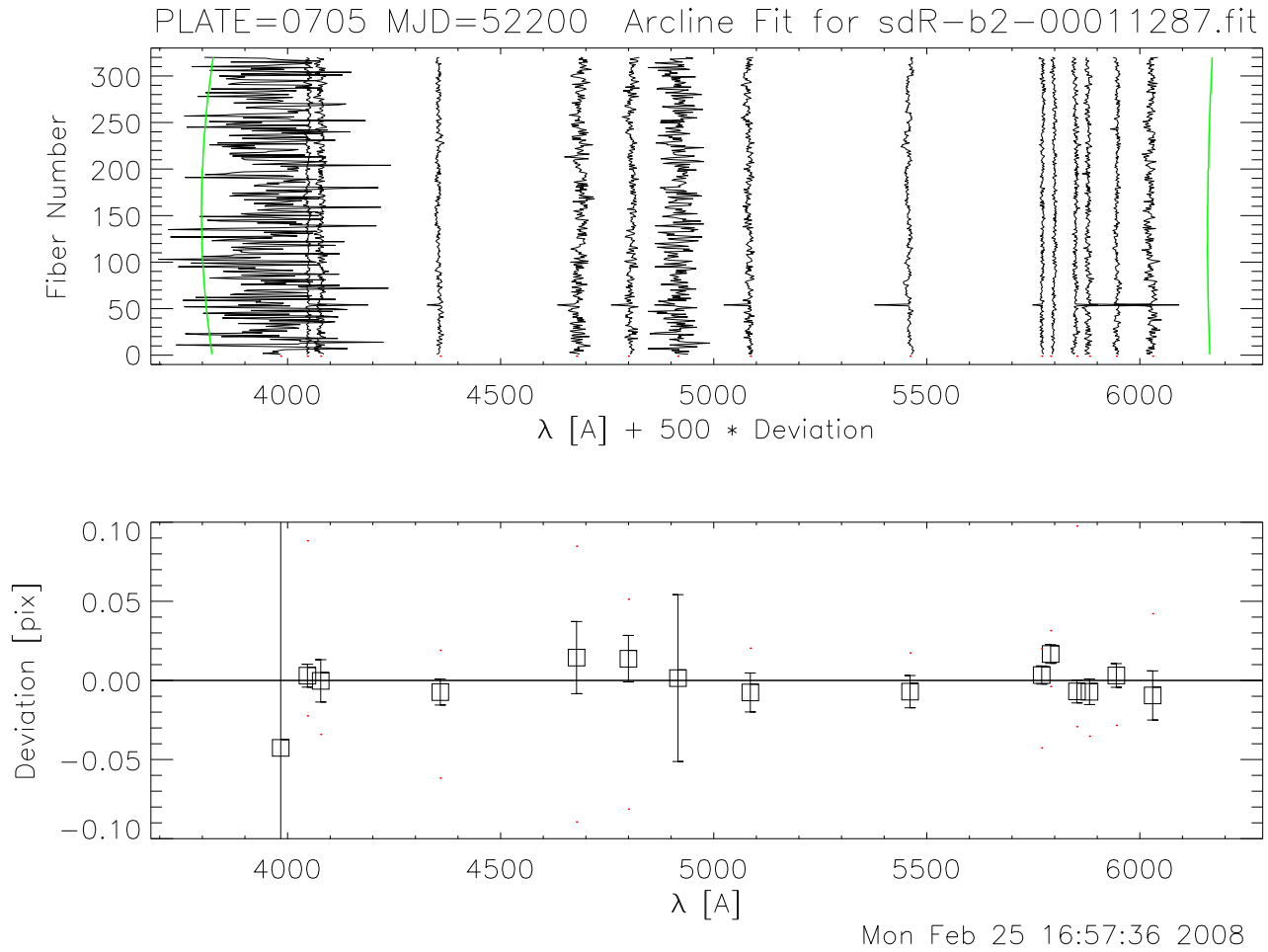

scale coeff residuals from ord=3 poly
2×10^-5
0
−2×10^-5
0
50
100
150
200
250
300
fiber

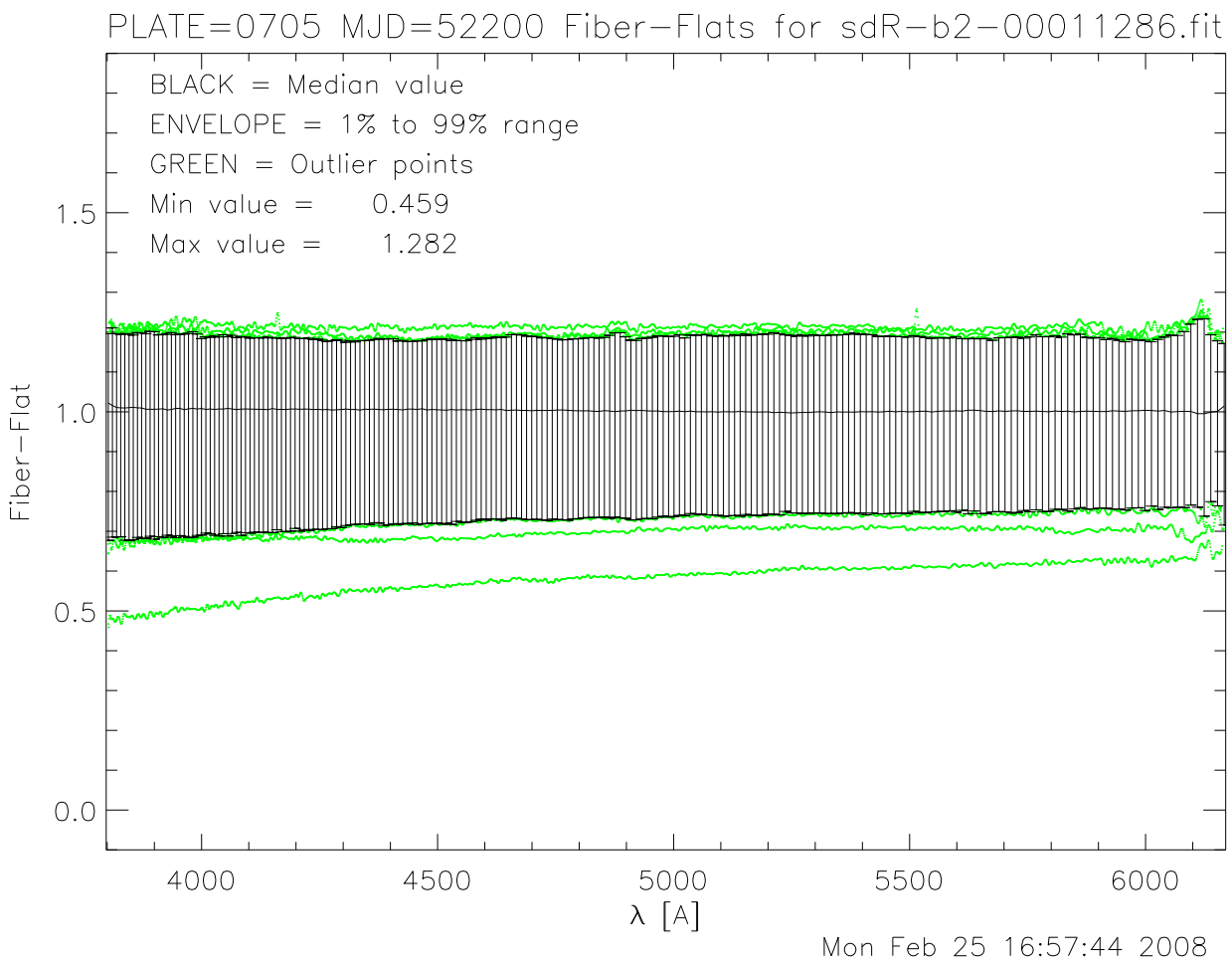

PLATE=0705 MJD=52200 flat extraction chi$^2$ for sdR−b2−00011280.fit
BLACK = Final chisq extraction
GREEN = Initial chisq extraction
$\chi^2$
0
1
2
3
4
0
500
1000
1500
2000
Row number

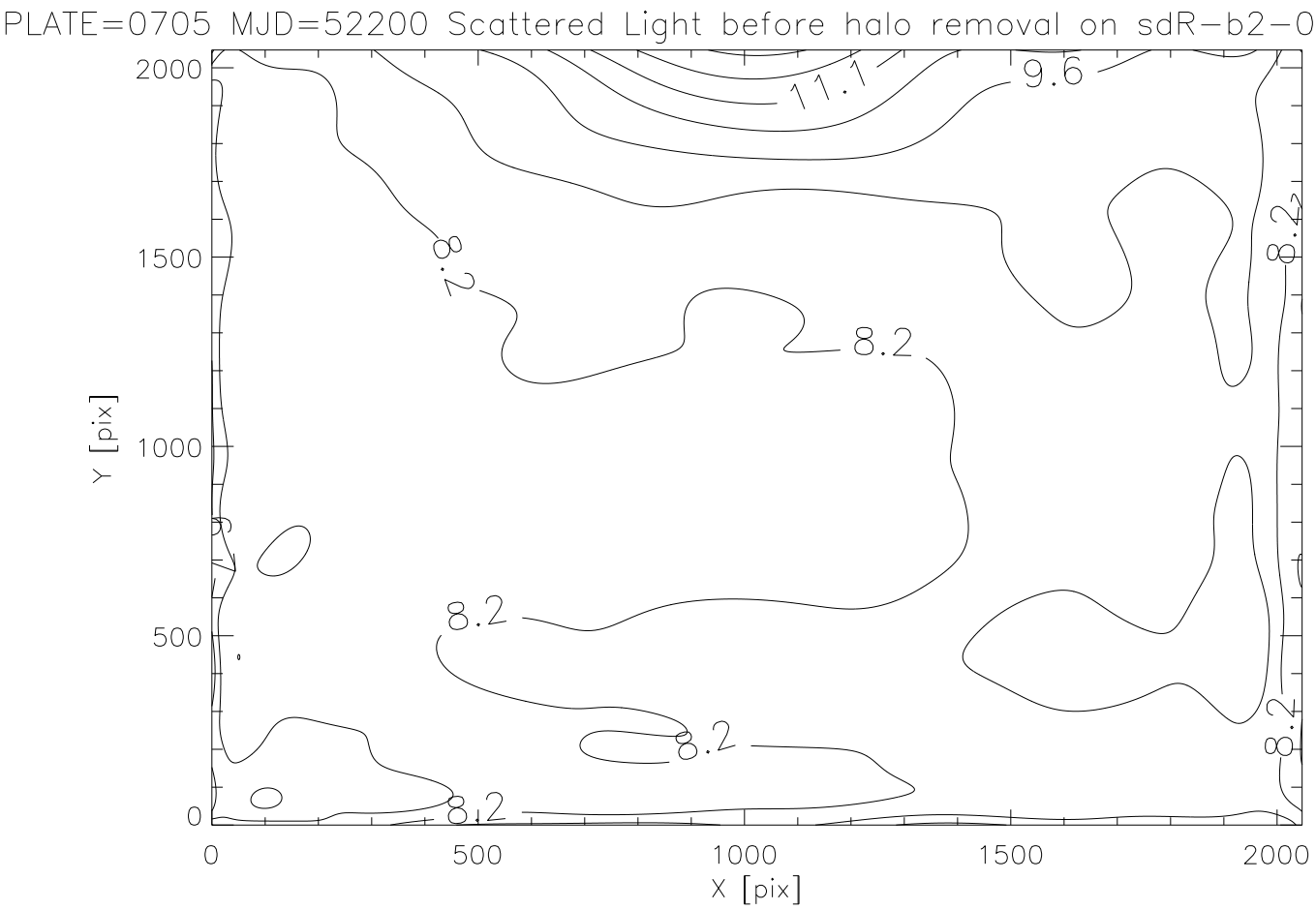

PLATE=0705 MJD=52200 Superflat sdR-b2-00011280.fit
Normalized flux
1.5
1.0
0.5
0.0
4000
4500
5000
5500
6000
λ [A]

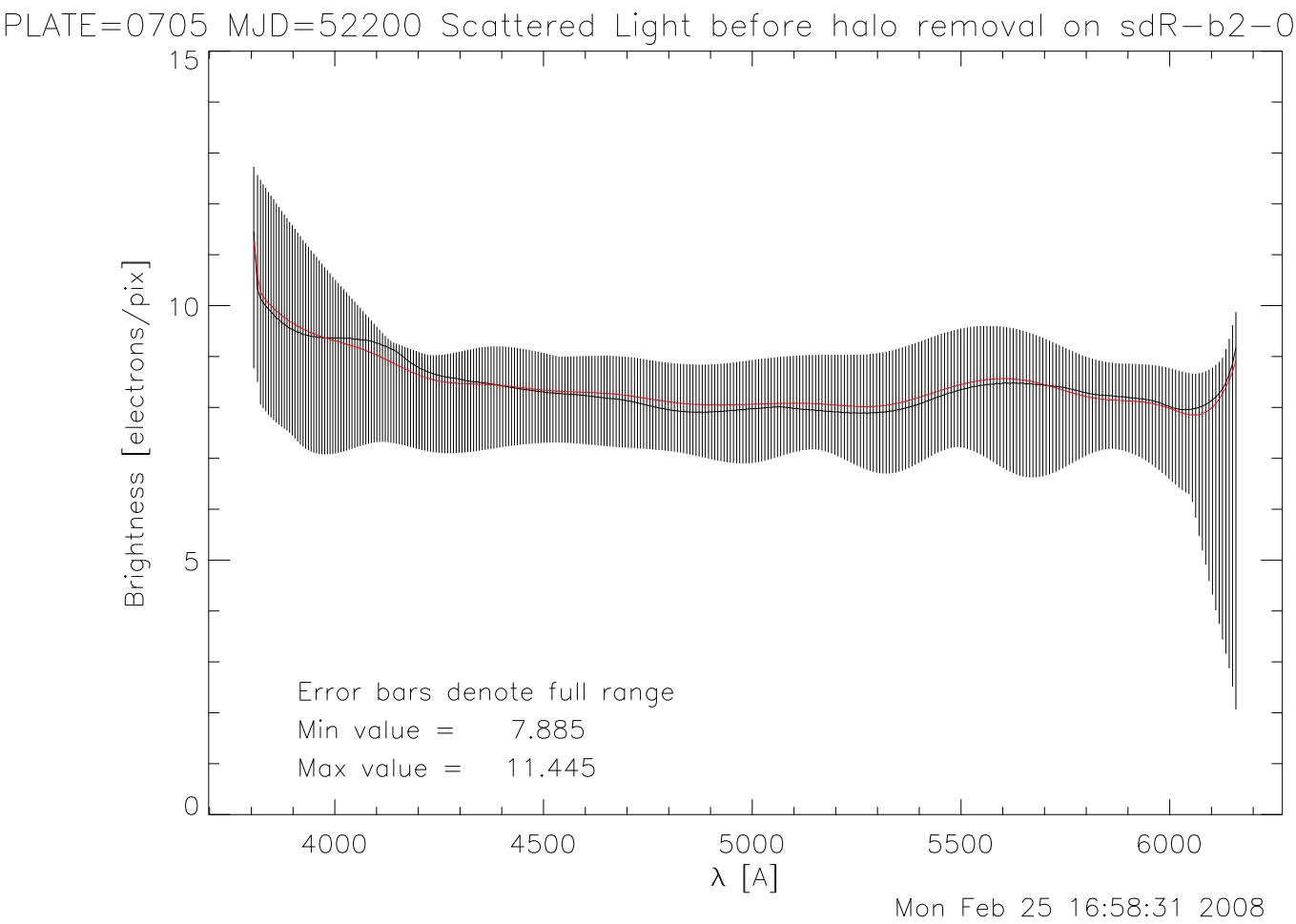

PLATE=0705 MJD=52200 flat extraction chi$^2$ for sdR−b2−00011286.fit
BLACK = Final chisq extraction
GREEN = Initial chisq extraction
$\chi^2$
Row number
0
1
2
3
4
5
0
500
1000
1500
2000

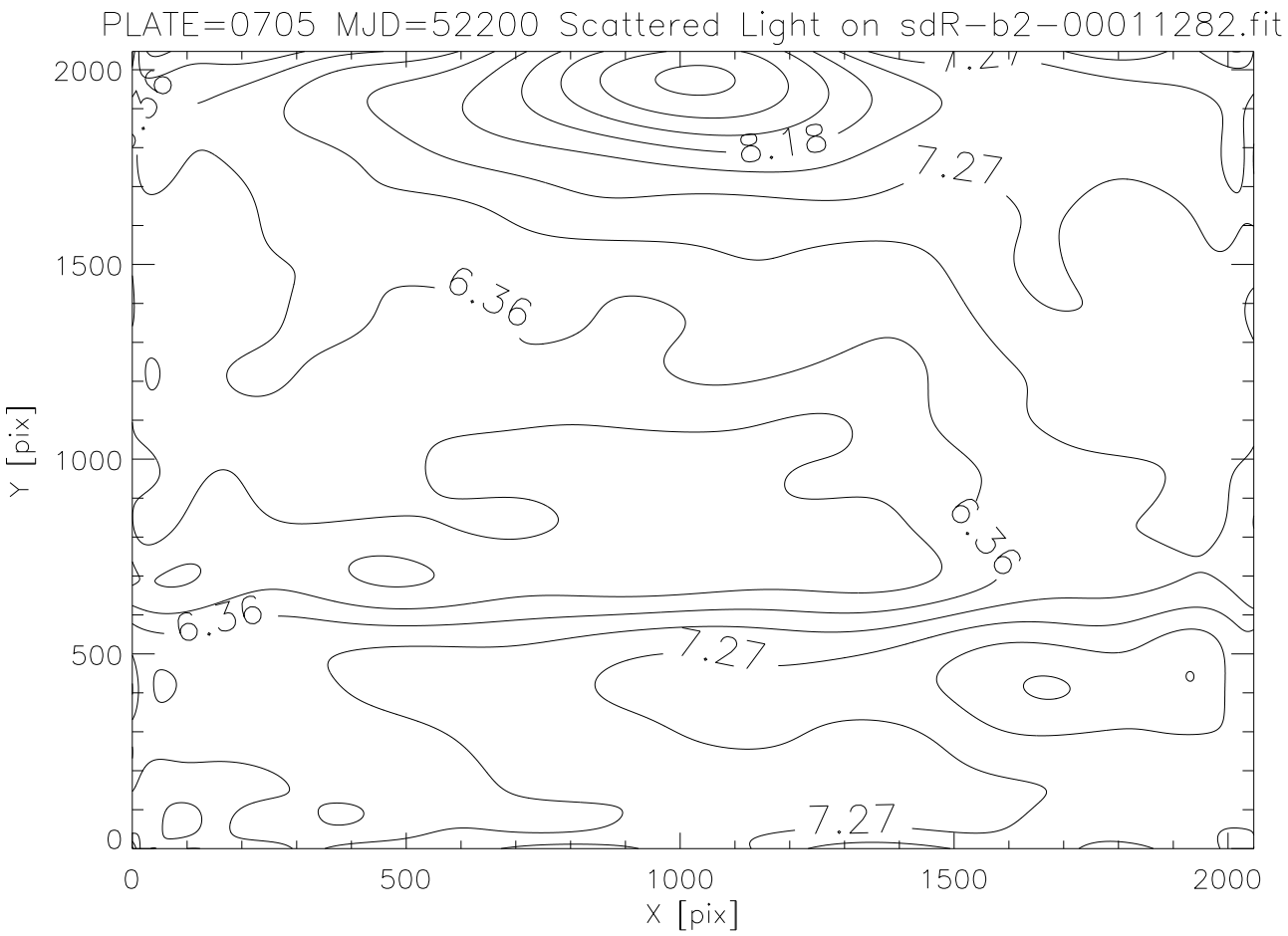

PLATE=0705 MJD=52200 Superflat sdR-b2-00011286.fit
Normalized flux
1.5
1.0
0.5
0.0
4000
4500
5000
5500
6000
λ [A]

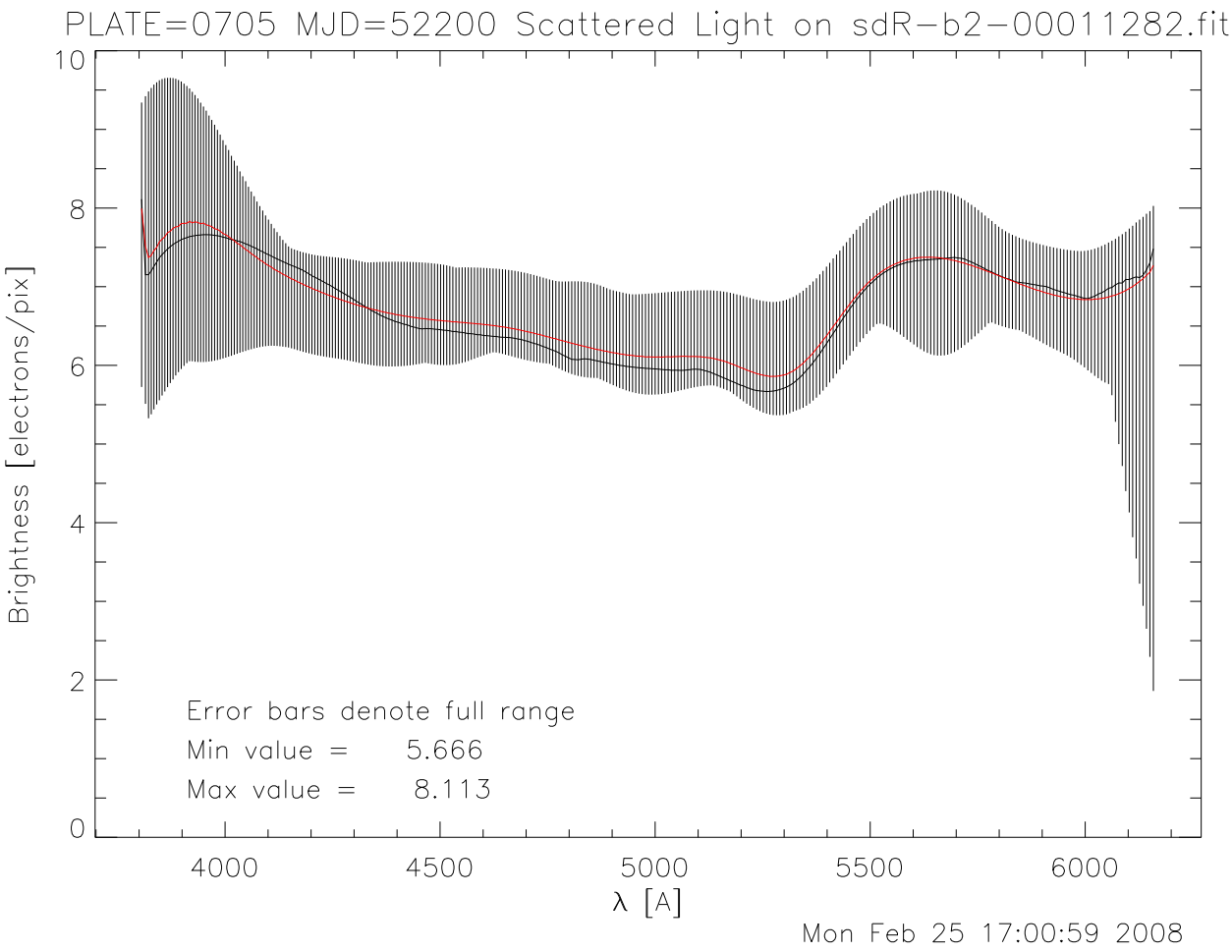

PLATE=0705 MJD=52200 Arcline Fit for sdR-b2-00011287.fit
Fiber Number
300
250
200
150
100
50
0
4000
4500
5000
5500
6000
λ [A] + 500 * Deviation
Deviation [pix]
0.10
0.05
0.00
−0.05
−0.10
4000
4500
5000
5500
6000
λ [A]
Mon Feb 25 16:57:36 2008

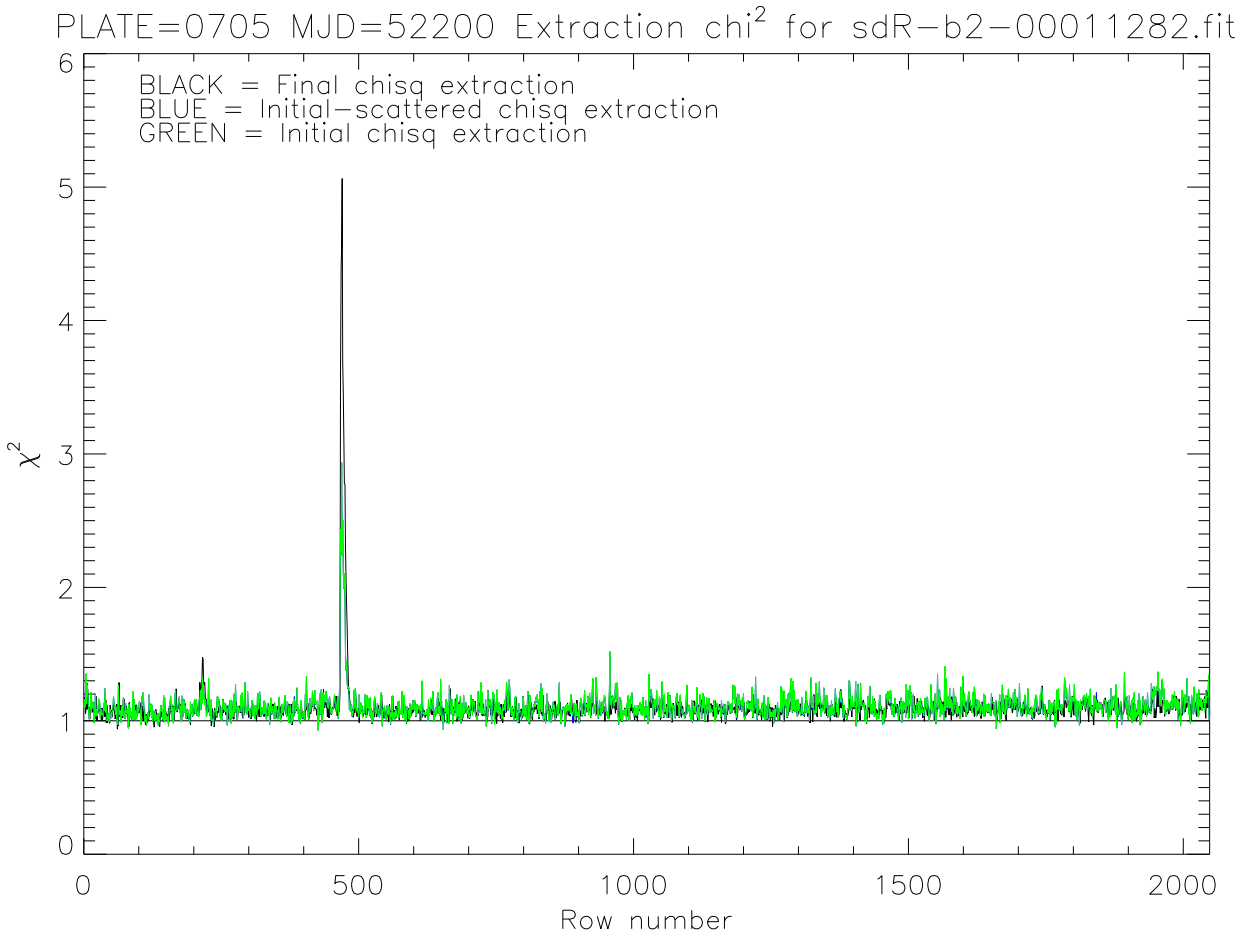

PLATE=0705 MJD=52200 Fiber-Flats for sdR-b2-00011286.fit
BLACK = Median value
ENVELOPE = 1% to 99% range
GREEN = Outlier points
Min value = 0.459
Max value = 1.282
Fiber-Flat
1.5
1.0
0.5
0.0
4000
4500
5000
5500
6000
λ [A]
Mon Feb 25 16:57:44 2008

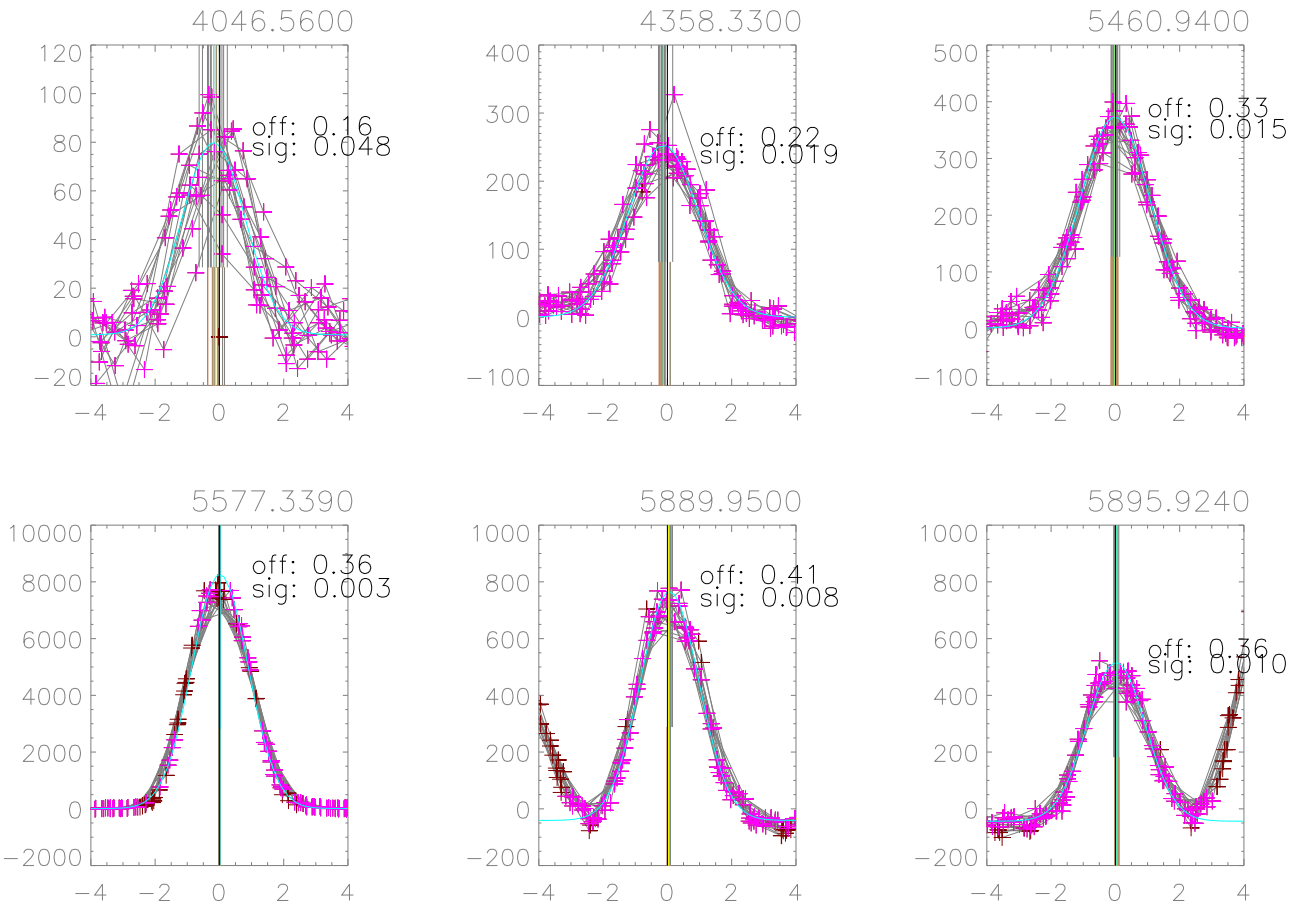

PLATE=0705 MJD=52200 Scattered Light before halo removal on sdR−b2−00011282.f
11.1
9.6
8.2
8.2
8.2
8.2
8.2
8.2
8.2
8.2
8.2
8.2
Y [pix]
X [pix]
0
500
1000
1500
2000

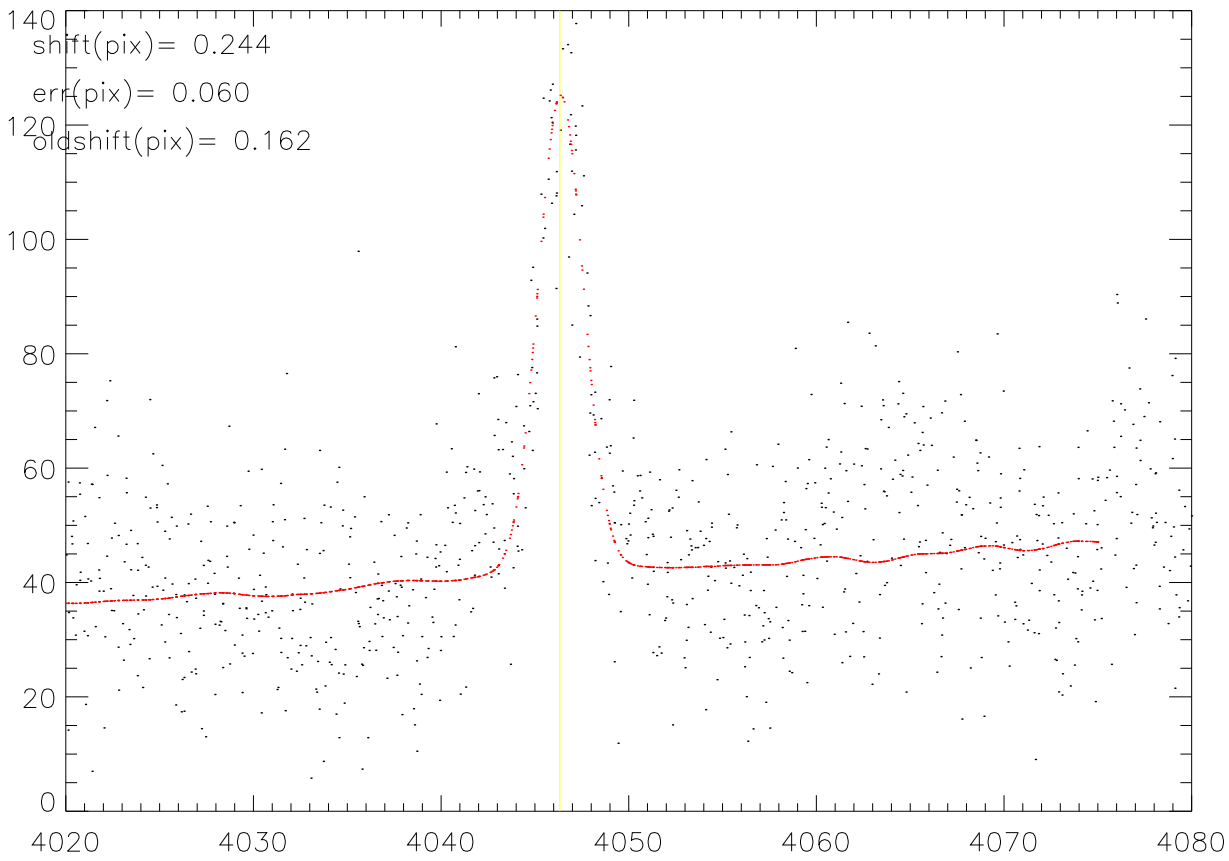

PLATE=0705 MJD=52200 Scattered Light before halo removal on sdR-b2-00011282.f
Brightness [electrons/pix]
15
10
5
0
Error bars denote full range
Min value = 7.885
Max value = 11.445
4000
4500
5000
5500
6000
λ [A]
Mon Feb 25 16:58:31 2008

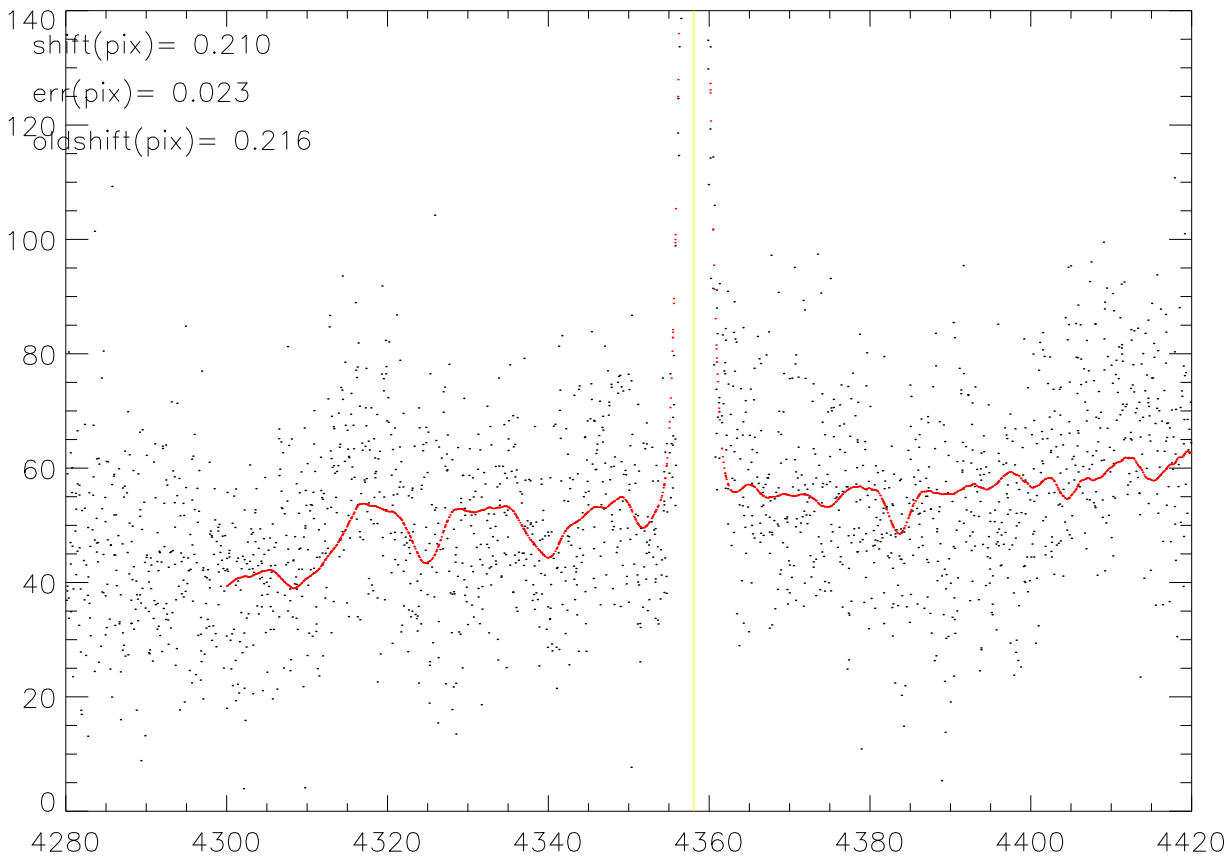

PLATE=0705 MJD=52200 Scattered Light on sdR-b2-00011282.fit
8.18
7.27
6.36
6.36
6.36
7.27
7.27
Y [pix]
X [pix]
0
500
1000
1500
2000

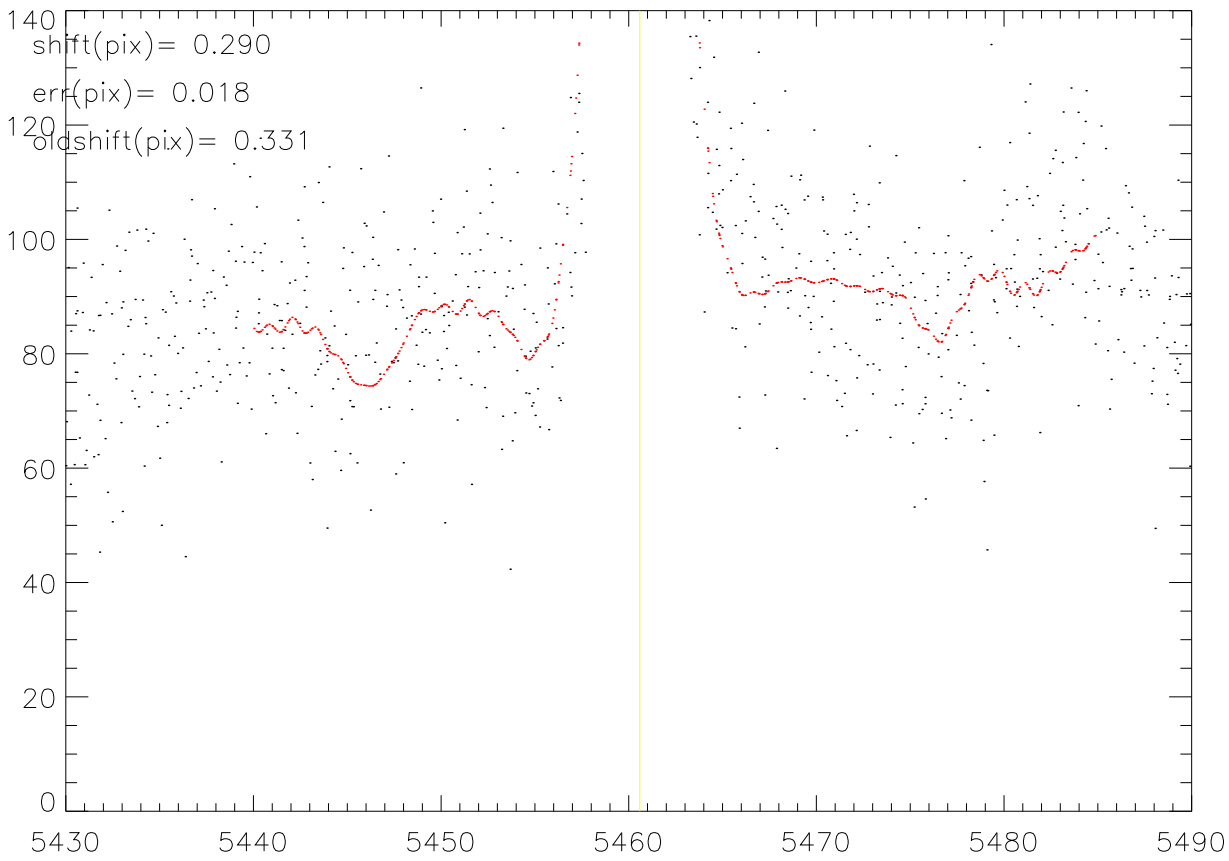

PLATE=0705 MJD=52200 Scattered Light on sdR-b2-00011282.fit
Brightness [electrons/pix]
10
8
6
4
2
0
Error bars denote full range
Min value = 5.666
Max value = 8.113
4000
4500
5000
5500
6000
λ [A]
Mon Feb 25 17:00:59 2008

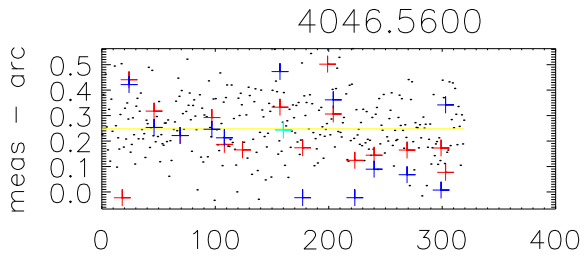

PLATE=0705 MJD=52200 Extraction chi$^2$ for sdR-b2-00011282.fit
BLACK = Final chisq extraction
BLUE = Initial-scattered chisq extraction
GREEN = Initial chisq extraction
$\chi^2$
0
1
2
3
4
5
6
0
500
1000
1500
2000
Row number

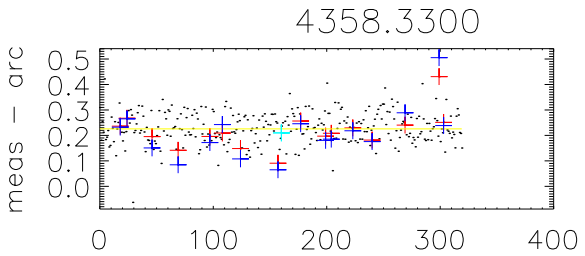

4046.5600
off: 0.16
sig: 0.048
4358.3300
off: 0.22
sig: 0.019
5460.9400
off: 0.33
sig: 0.015
5577.3390
off: 0.36
sig: 0.003
5889.9500
off: 0.41
sig: 0.008
5895.9240
off: 0.36
sig: 0.010

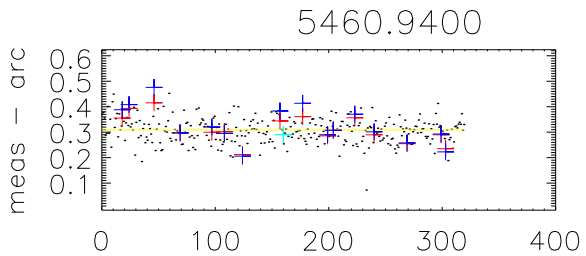

shift(pix)= 0.244
err(pix)= 0.060
oldshift(pix)= 0.162
140
120
100
80
60
40
20
0
4020
4030
4040
4050
4060
4070
4080

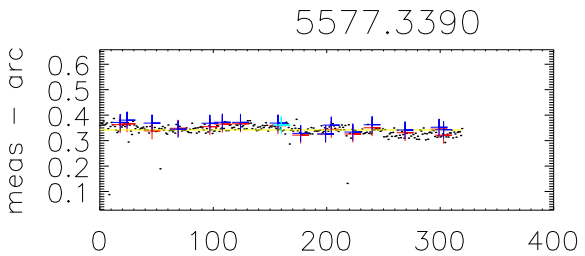

shift(pix)= 0.210
err(pix)= 0.023
oldshift(pix)= 0.216
140
120
100
80
60
40
20
0
4280
4300
4320
4340
4360
4380
4400
4420

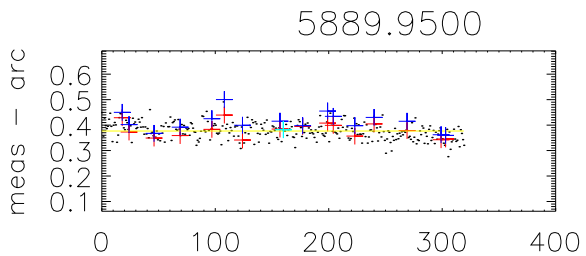

shift(pix)= 0.290
err(pix)= 0.018
oldshift(pix)= 0.331
140
120
100
80
60
40
20
0
5430
5440
5450
5460
5470
5480
5490

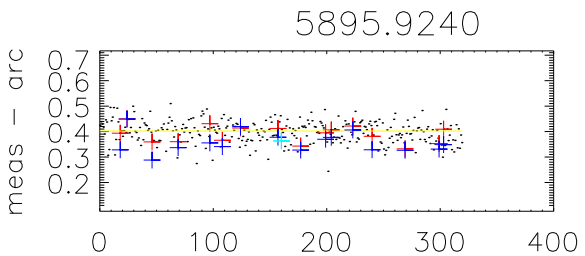

4046.5600
meas − arc
0.0
0.1
0.2
0.3
0.4
0.5
0
100
200
300
400

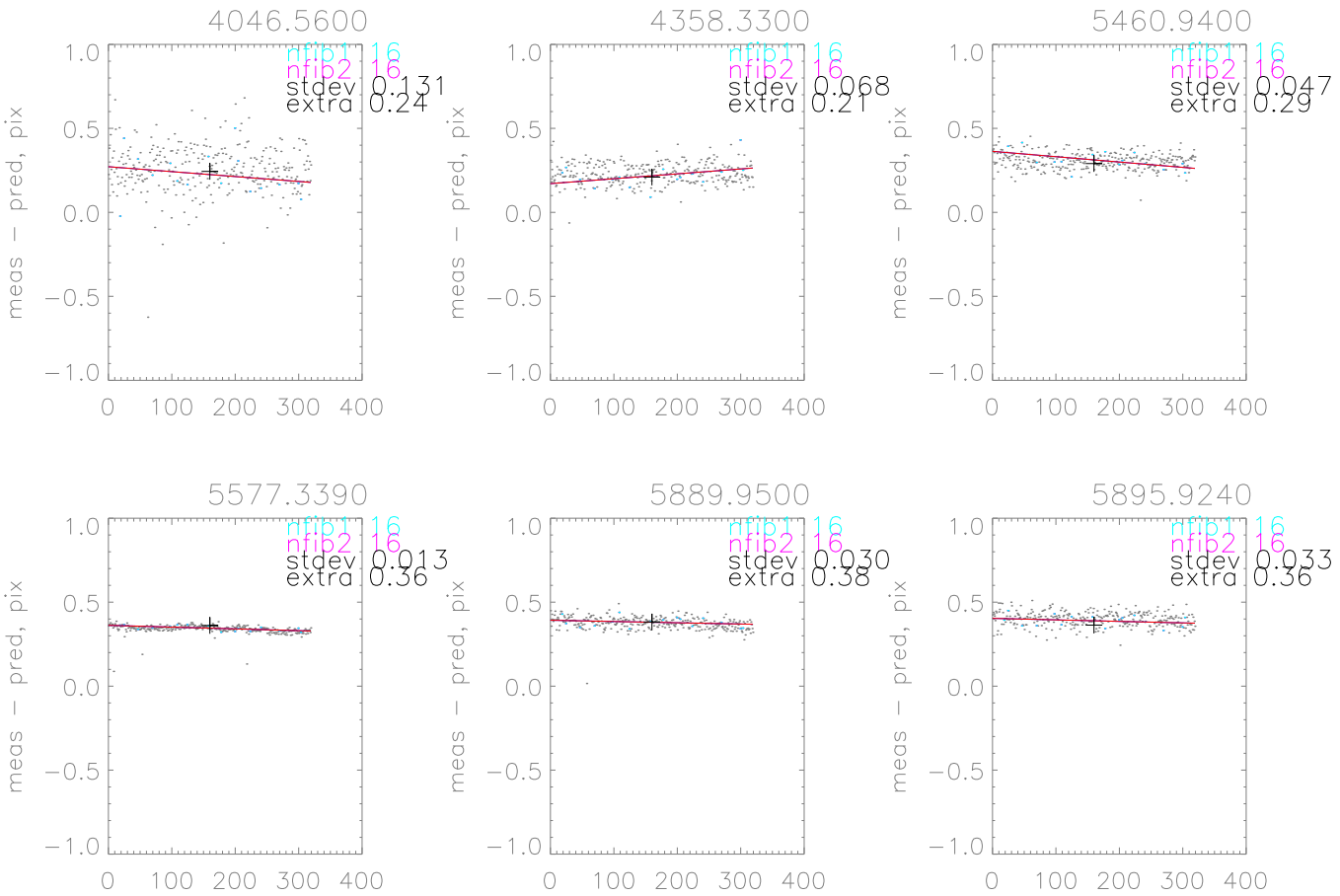

4358.3300
meas − arc
0.0
0.1
0.2
0.3
0.4
0.5
0
100
200
300
400

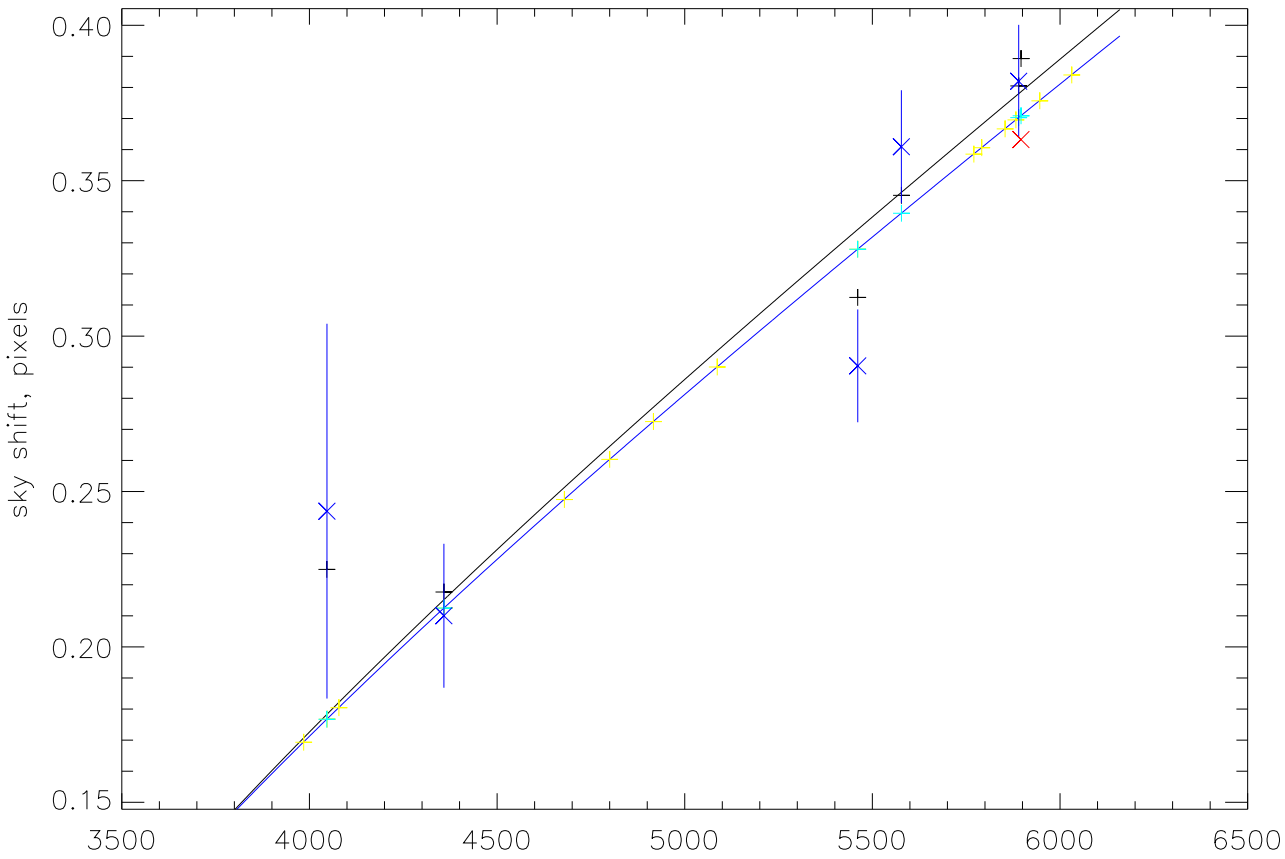

5460.9400
meas − arc
0.1
0.2
0.3
0.4
0.5
0.6
0
100
200
300
400

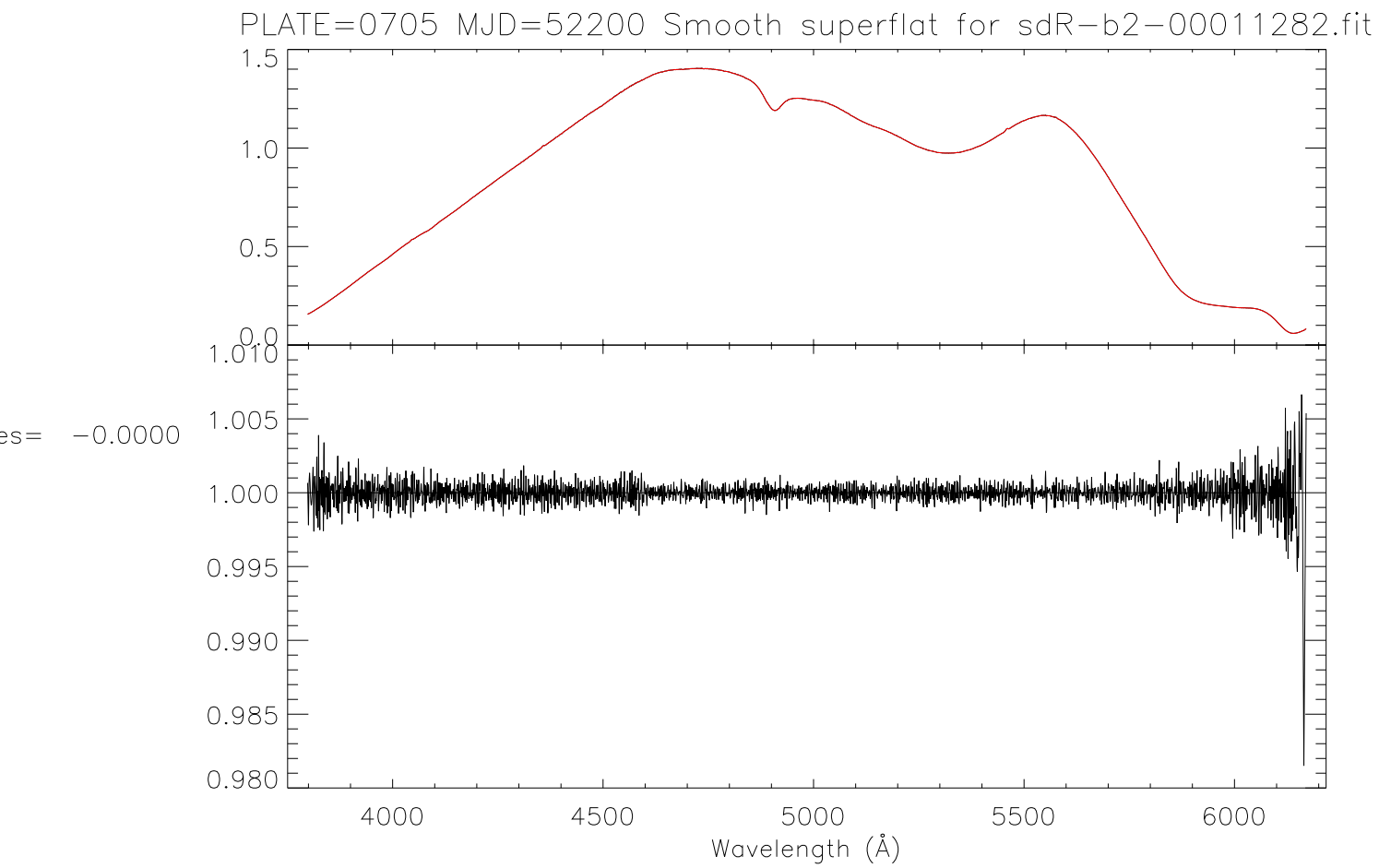

5577.3390
meas − arc
0.1
0.2
0.3
0.4
0.5
0.6
0
100
200
300
400

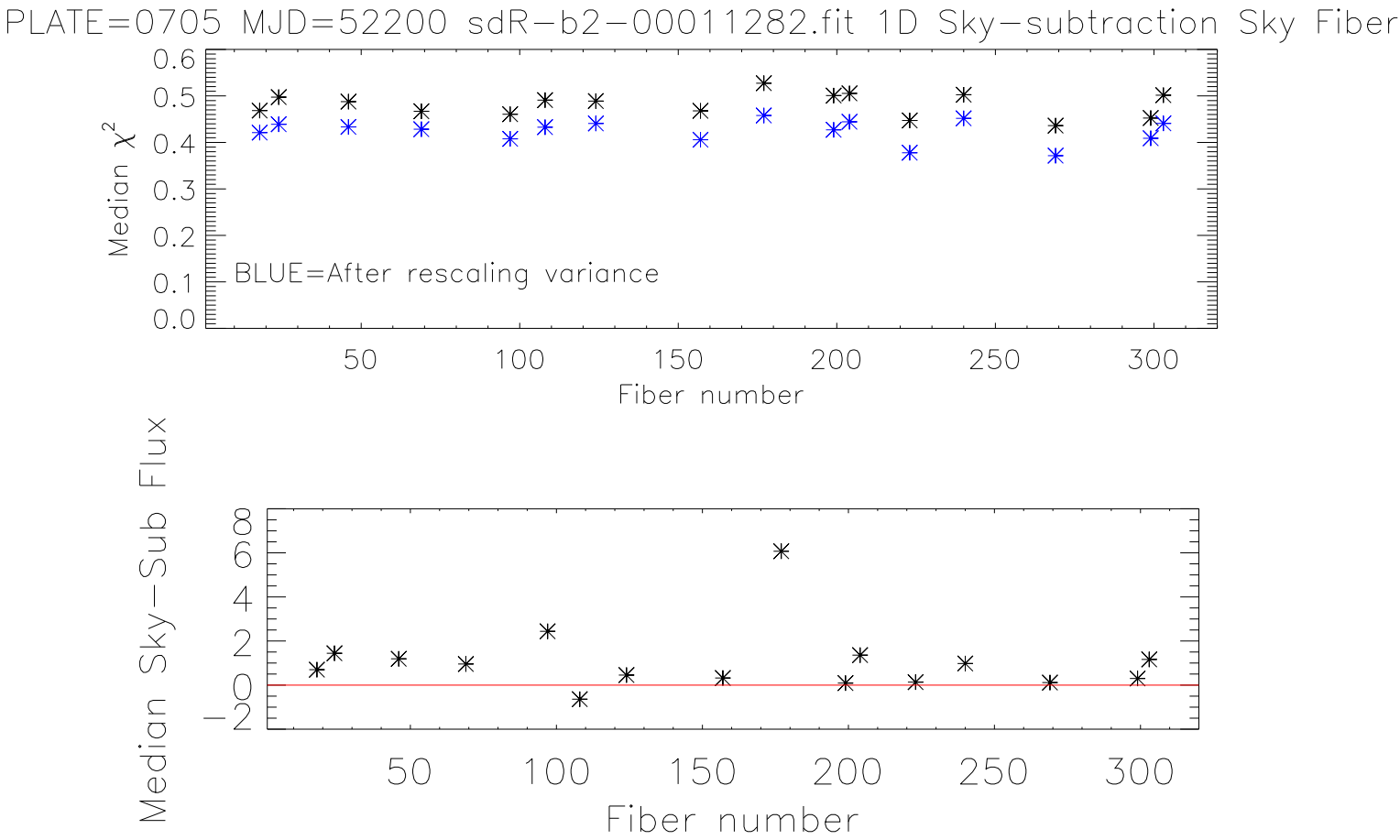

5889.9500
meas − arc
0.1
0.2
0.3
0.4
0.5
0.6
0
100
200
300
400

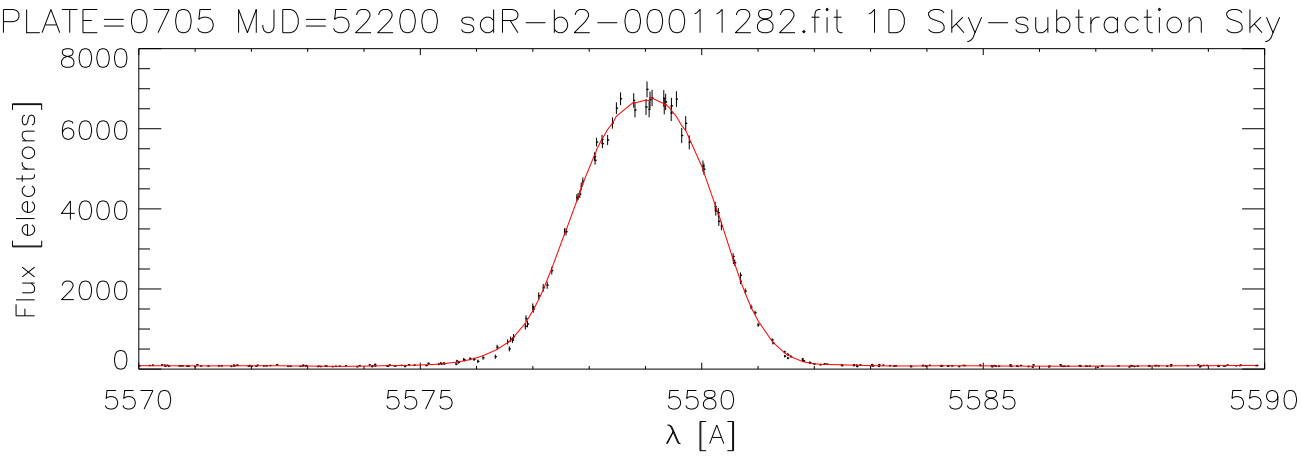

5895.9240
meas − arc
0.2
0.3
0.4
0.5
0.6
0.7
0
100
200
300
400

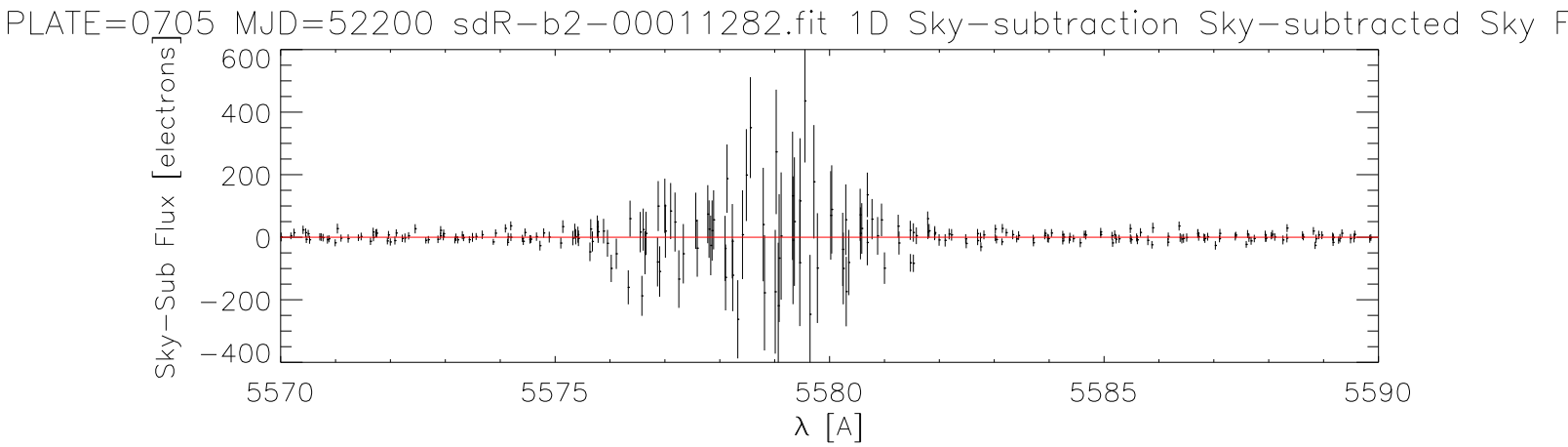

4046.5600
nfib1 16
nfib2 16
stdev 0.131
extra 0.24
4358.3300
nfib1 16
nfib2 16
stdev 0.068
extra 0.21
5460.9400
nfib1 16
nfib2 16
stdev 0.047
extra 0.29
5577.3390
nfib1 16
nfib2 16
stdev 0.013
extra 0.36
5889.9500
nfib1 16
nfib2 16
stdev 0.030
extra 0.38
5895.9240
nfib1 16
nfib2 16
stdev 0.033
extra 0.36
meas − pred, pix
1.0
0.5
0.0
−0.5
−1.0
0
100
200
300
400

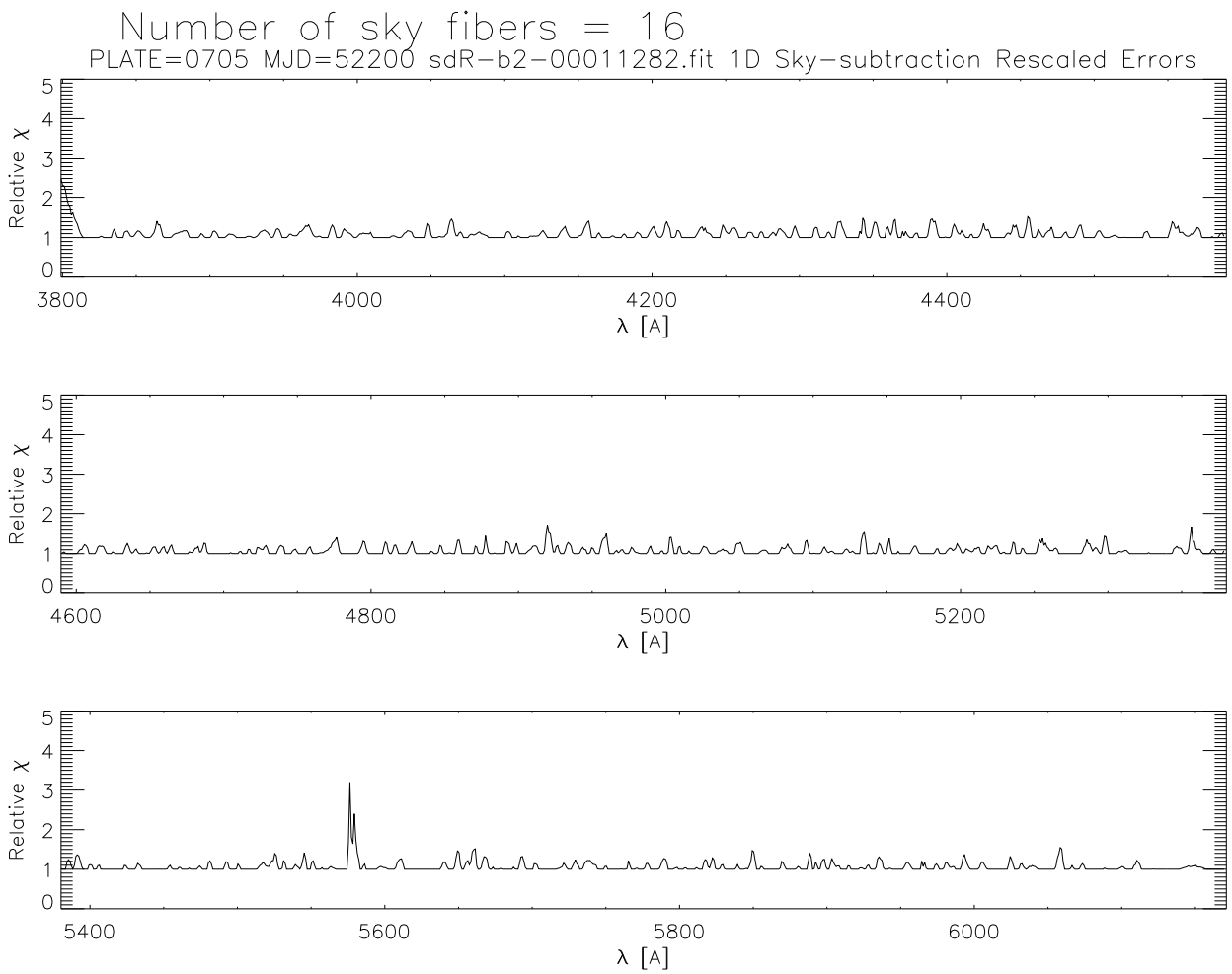

0.40
0.35
0.30
0.25
0.20
0.15
sky shift, pixels
3500
4000
4500
5000
5500
6000
6500

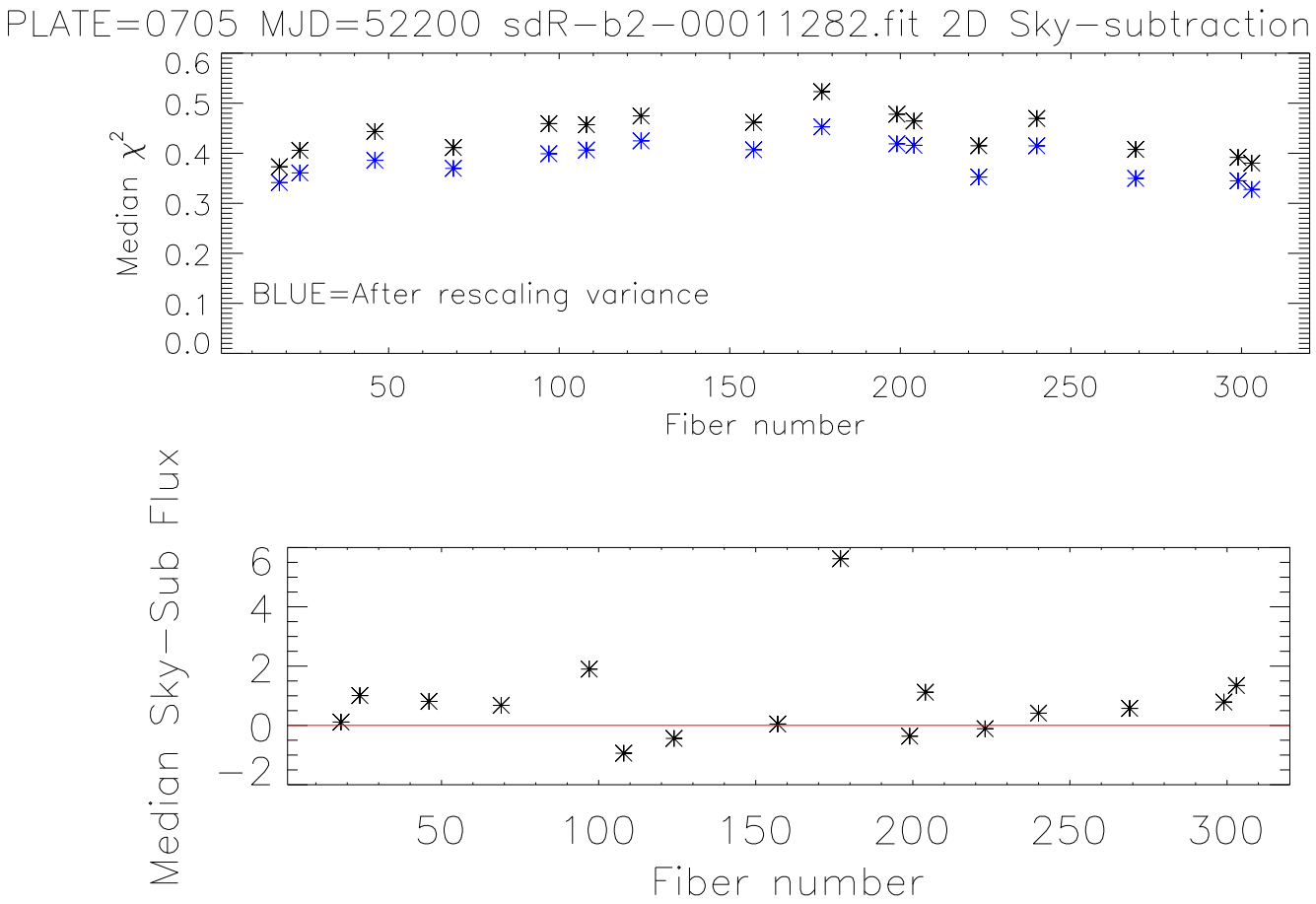

PLATE=0705 MJD=52200 Smooth superflat for sdR-b2-00011282.fit
1.5
1.0
0.5
0.0
1.010
1.005
1.000
0.995
0.990
0.985
0.980
es= −0.0000
4000
4500
5000
5500
6000
Wavelength (Å)

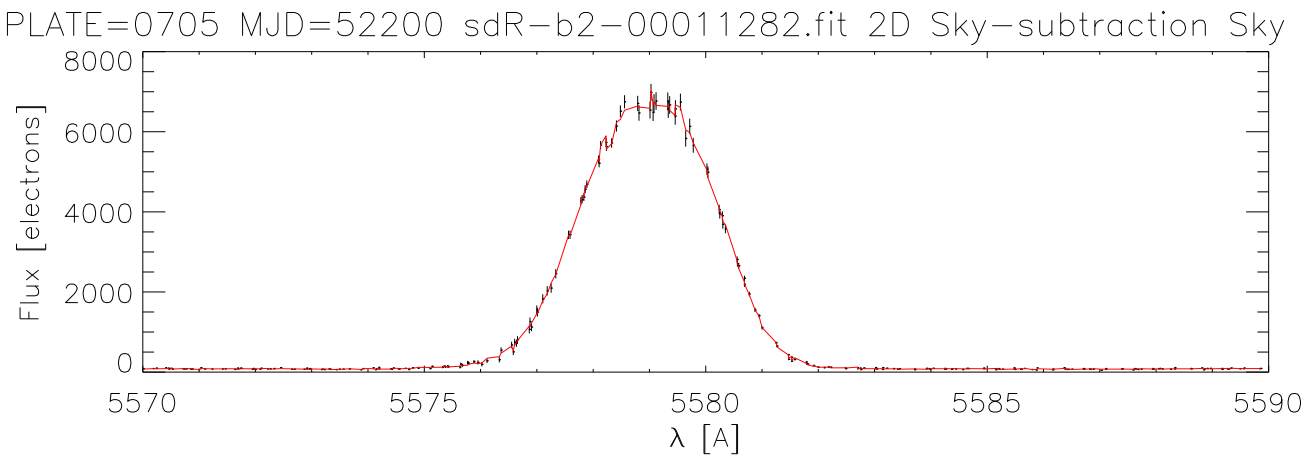

PLATE=0705 MJD=52200 sdR-b2-00011282.fit 1D Sky-subtraction Sky Fiber
Median $\chi^2$
0.0
0.1
0.2
0.3
0.4
0.5
0.6
BLUE=After rescaling variance
50
100
150
200
250
300
Fiber number
Median Sky-Sub Flux
-2
0
2
4
6
8
50
100
150
200
250
300
Fiber number

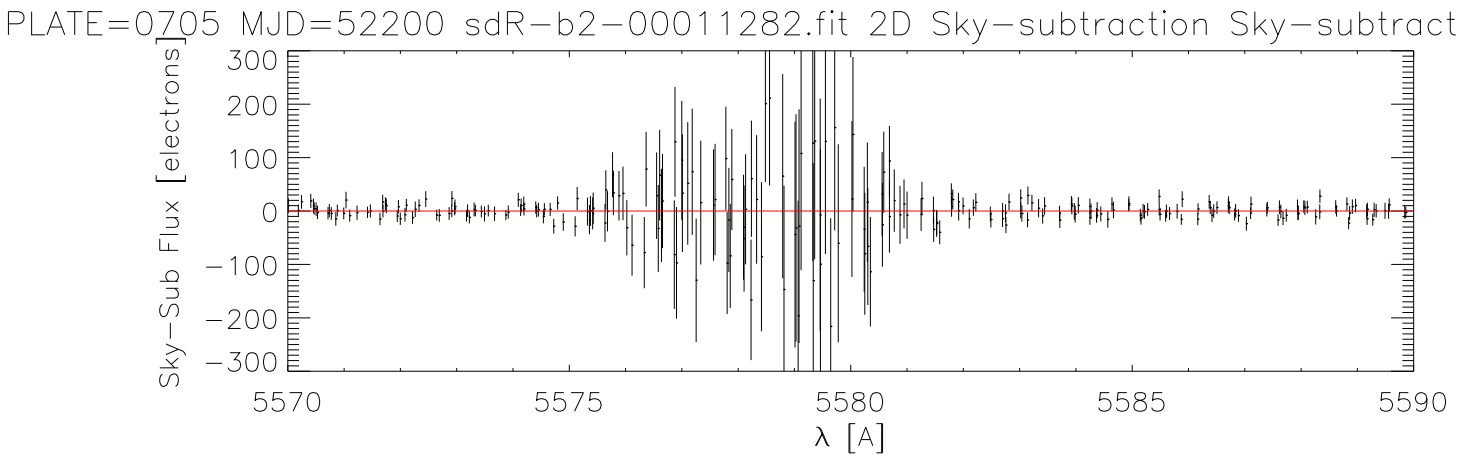

PLATE=0705 MJD=52200 sdR-b2-00011282.fit 1D Sky-subtraction Sky Fibers
Flux [electrons]
8000
6000
4000
2000
0
5570
5575
5580
5585
5590
λ [A]

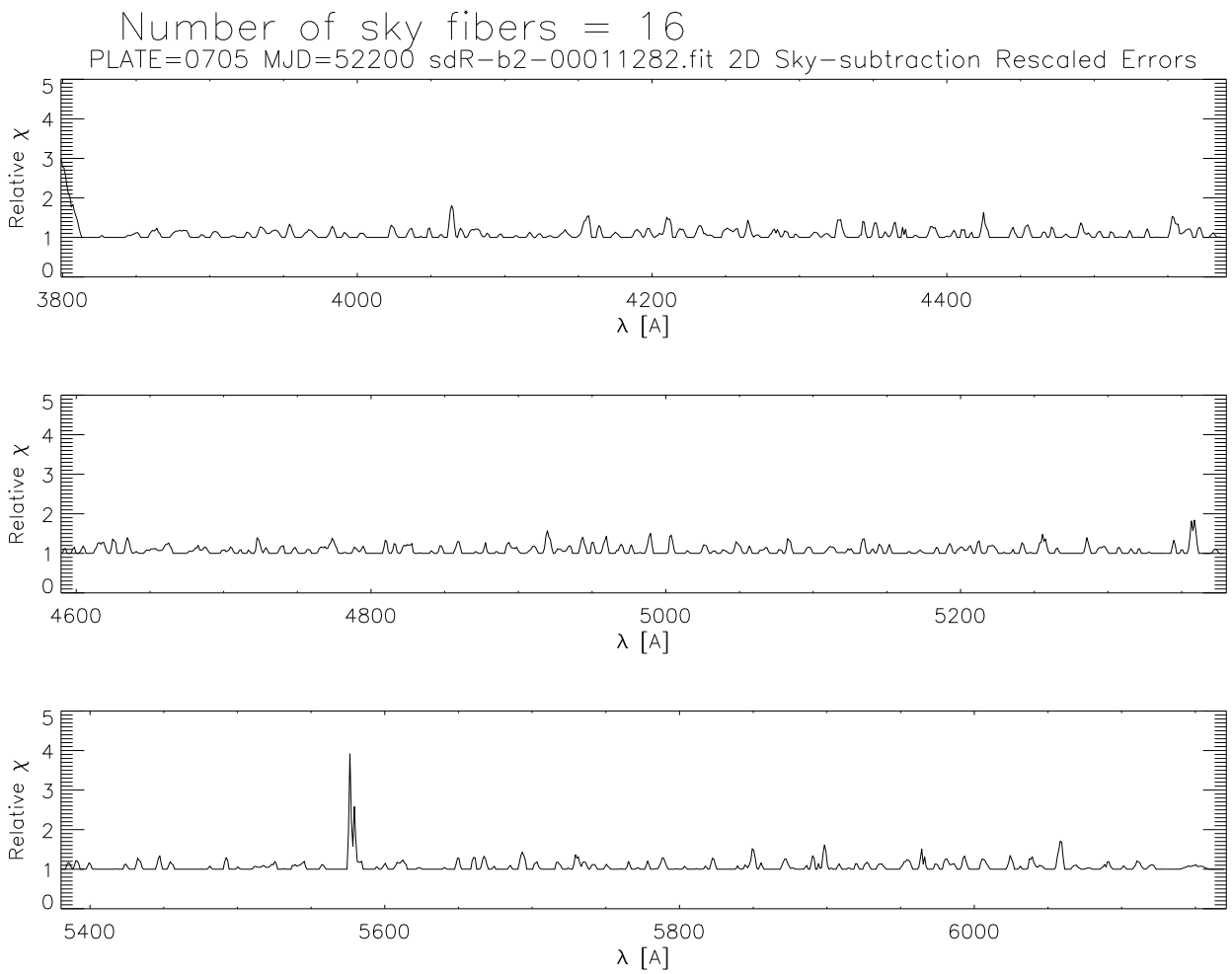

PLATE=0705 MJD=52200 sdR-b2-00011282.fit 1D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
600
400
200
0
-200
-400
5570
5575
5580
5585
5590
λ [A]

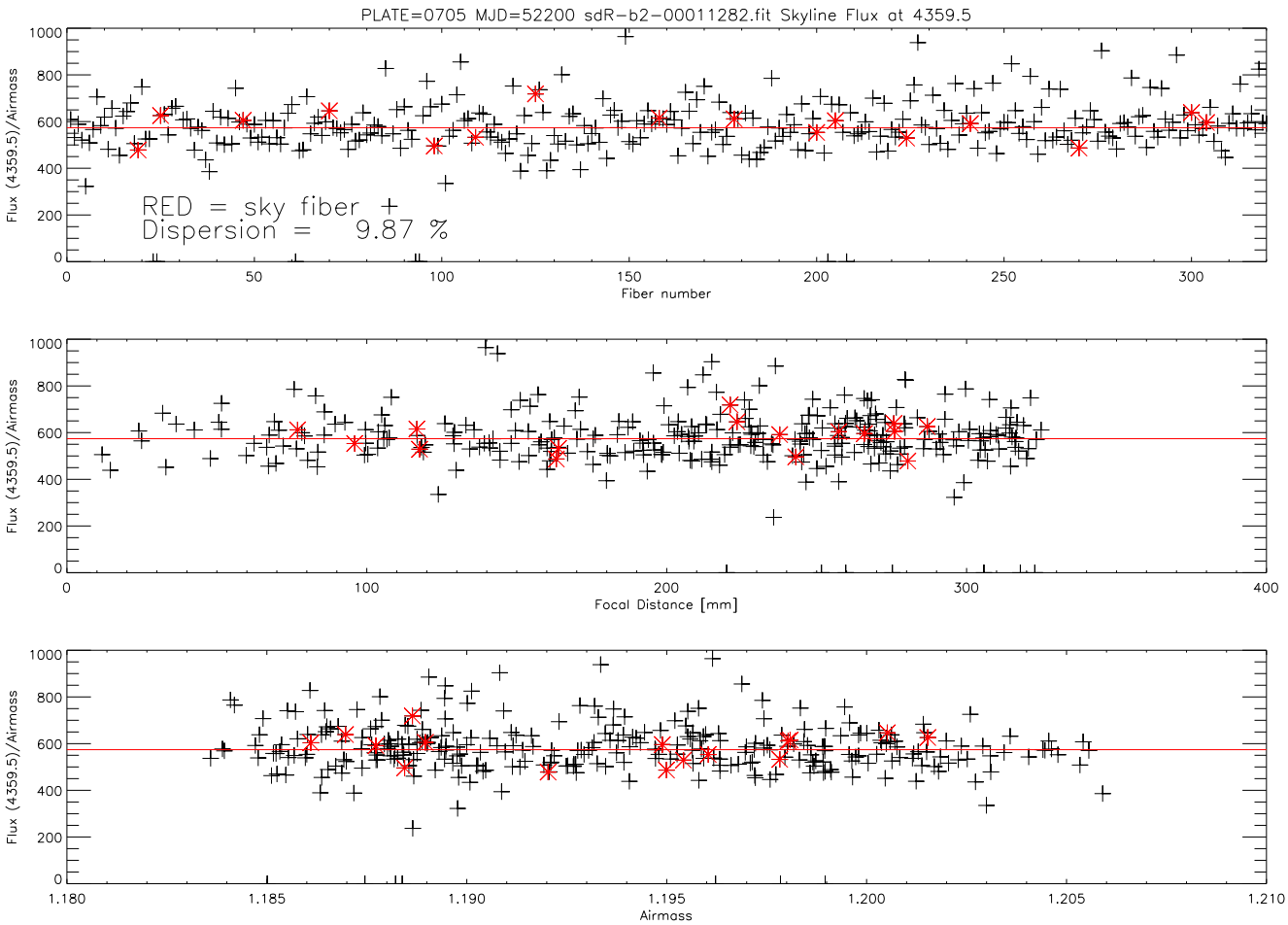

Number of sky fibers = 16
PLATE=0705 MJD=52200 sdR-b2-00011282.fit 1D Sky-subtraction Rescaled Errors
Relative χ
λ [A]
3800
4000
4200
4400
4600
4800
5000
5200
5400
5600
5800
6000

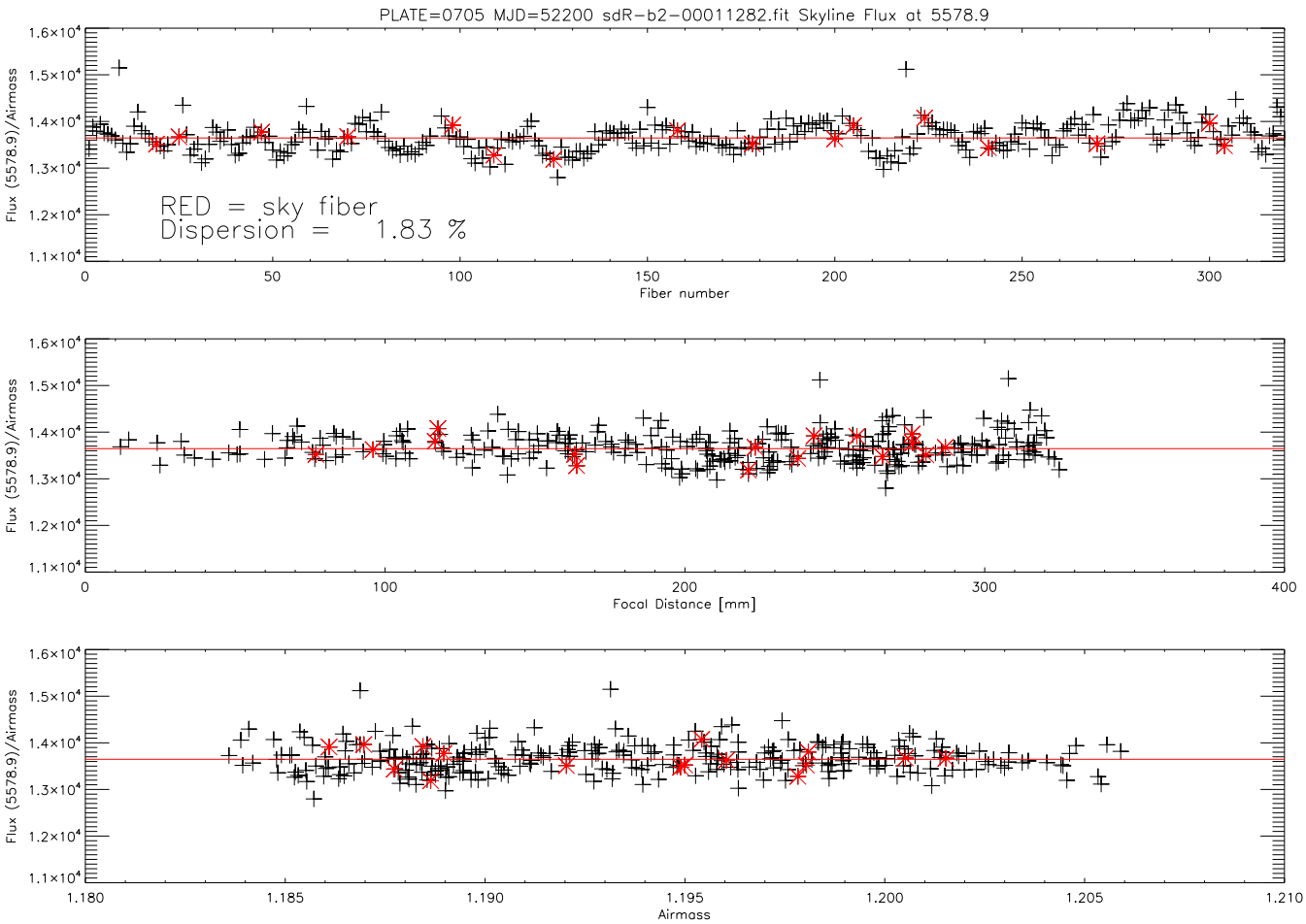

PLATE=0705 MJD=52200 sdR-b2-00011282.fit 2D Sky-subtraction Sky Fiber
Median $\chi^2$
BLUE=After rescaling variance
Fiber number
Median Sky-Sub Flux
Fiber number

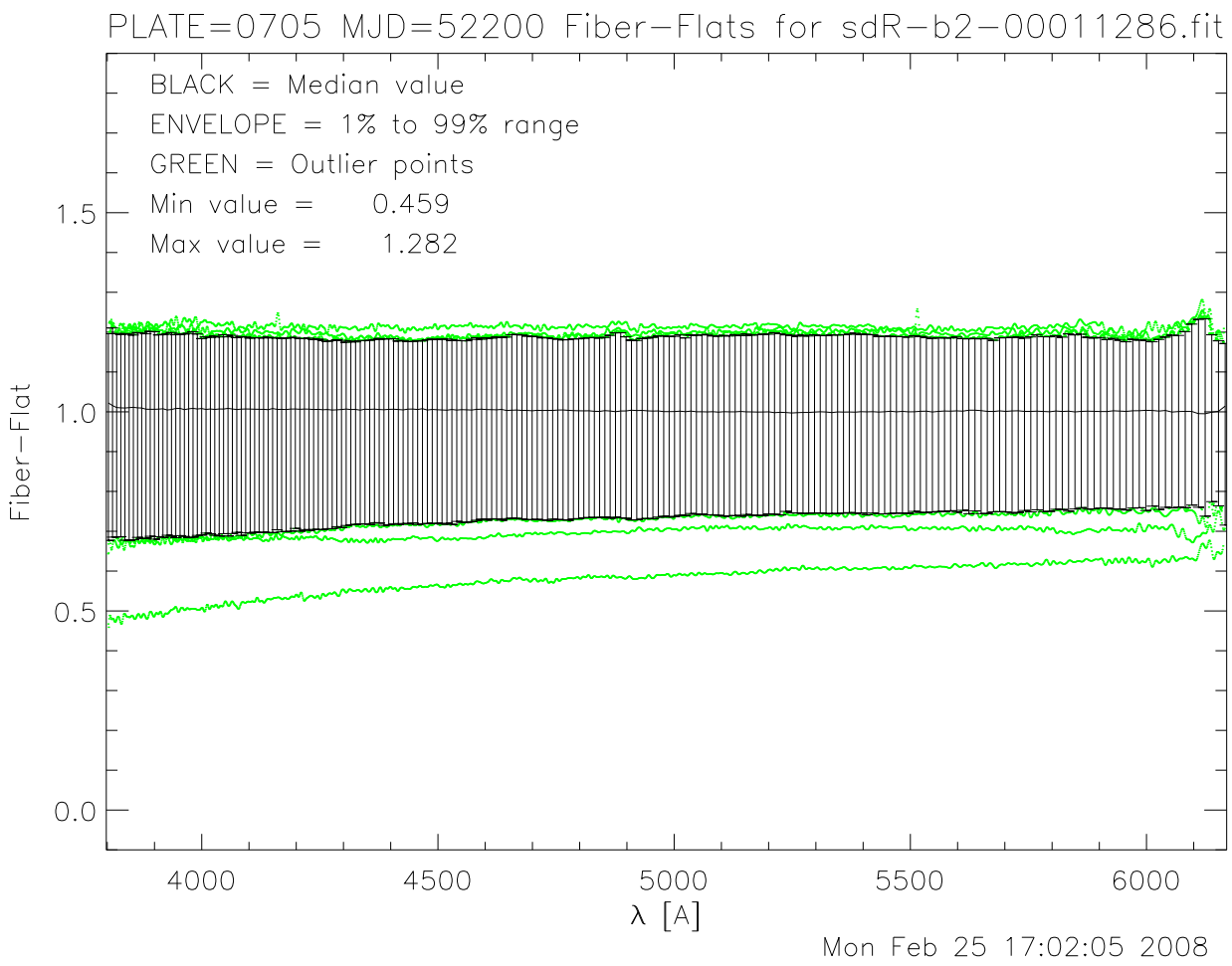

PLATE=0705 MJD=52200 sdR-b2-00011282.fit 2D Sky-subtraction Sky Fibers
Flux [electrons]
8000
6000
4000
2000
0
5570
5575
5580
5585
5590
λ [A]

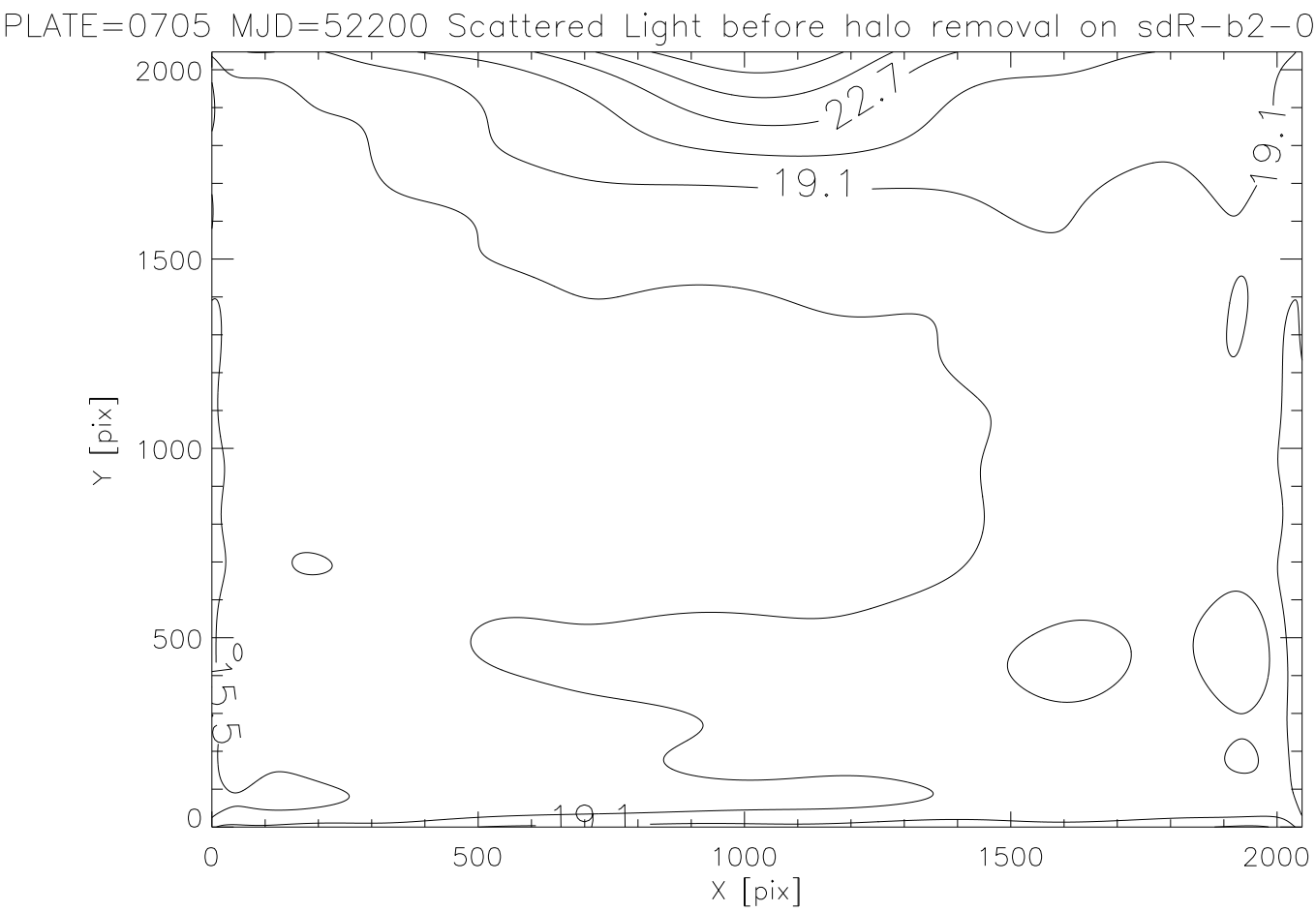

PLATE=0705 MJD=52200 sdR-b2-00011282.fit 2D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
300
200
100
0
-100
-200
-300
5570
5575
5580
5585
5590
λ [A]

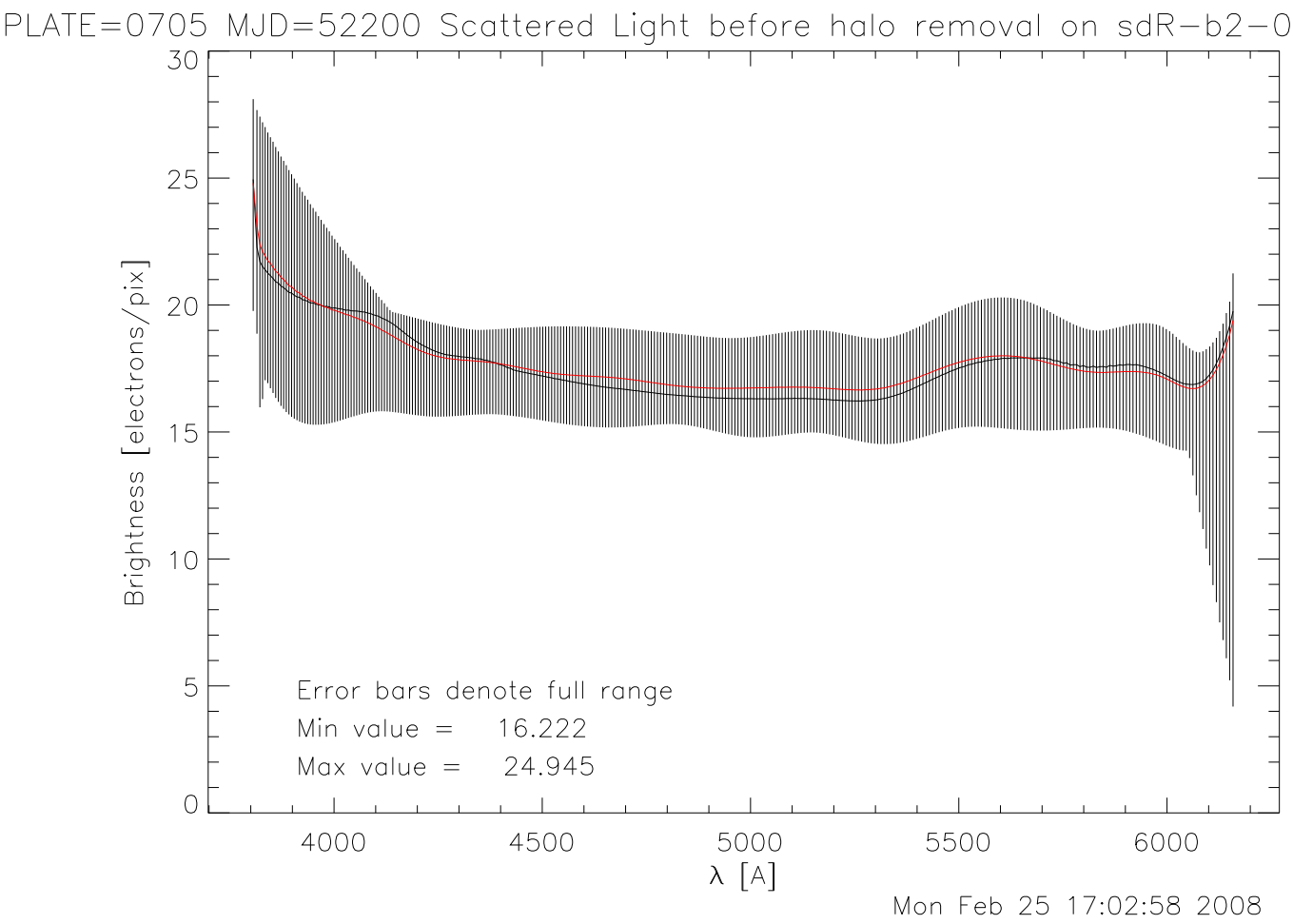

Number of sky fibers = 16
PLATE=0705 MJD=52200 sdR-b2-00011282.fit 2D Sky-subtraction Rescaled Errors
Relative χ
λ [A]
3800
4000
4200
4400
4600
4800
5000
5200
5400
5600
5800
6000
0
1
2
3
4
5

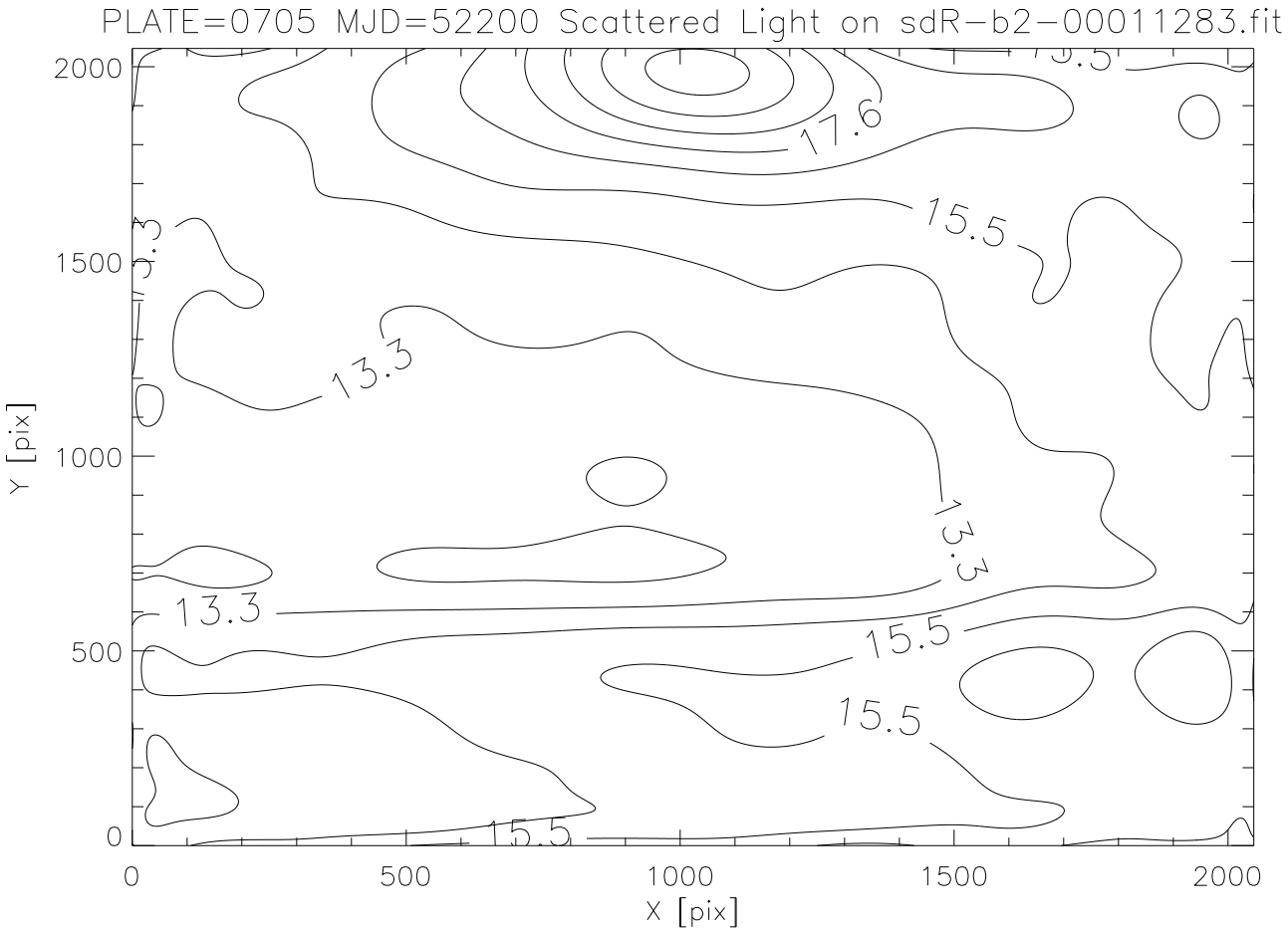

PLATE=0705 MJD=52200 sdR-b2-00011282.fit Skyline Flux at 4359.5
Flux (4359.5)/Airmass
RED = sky fiber +
Dispersion = 9.87 %
Fiber number
Flux (4359.5)/Airmass
Focal Distance [mm]
Flux (4359.5)/Airmass
Airmass

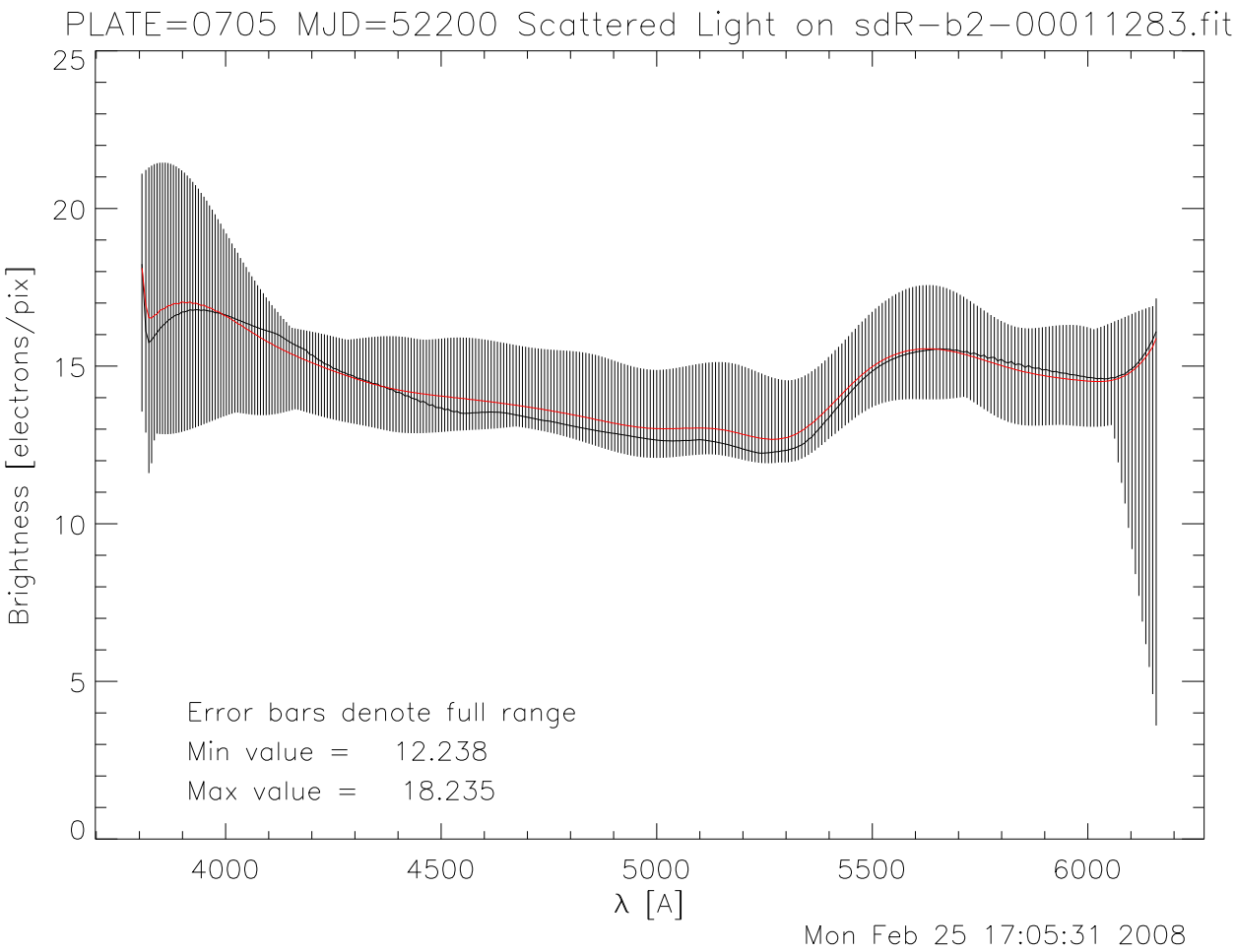

PLATE=0705 MJD=52200 sdR-b2-00011282.fit Skyline Flux at 5578.9
Flux (5578.9)/Airmass
RED = sky fiber
Dispersion = 1.83 %
Fiber number
Focal Distance [mm]
Airmass

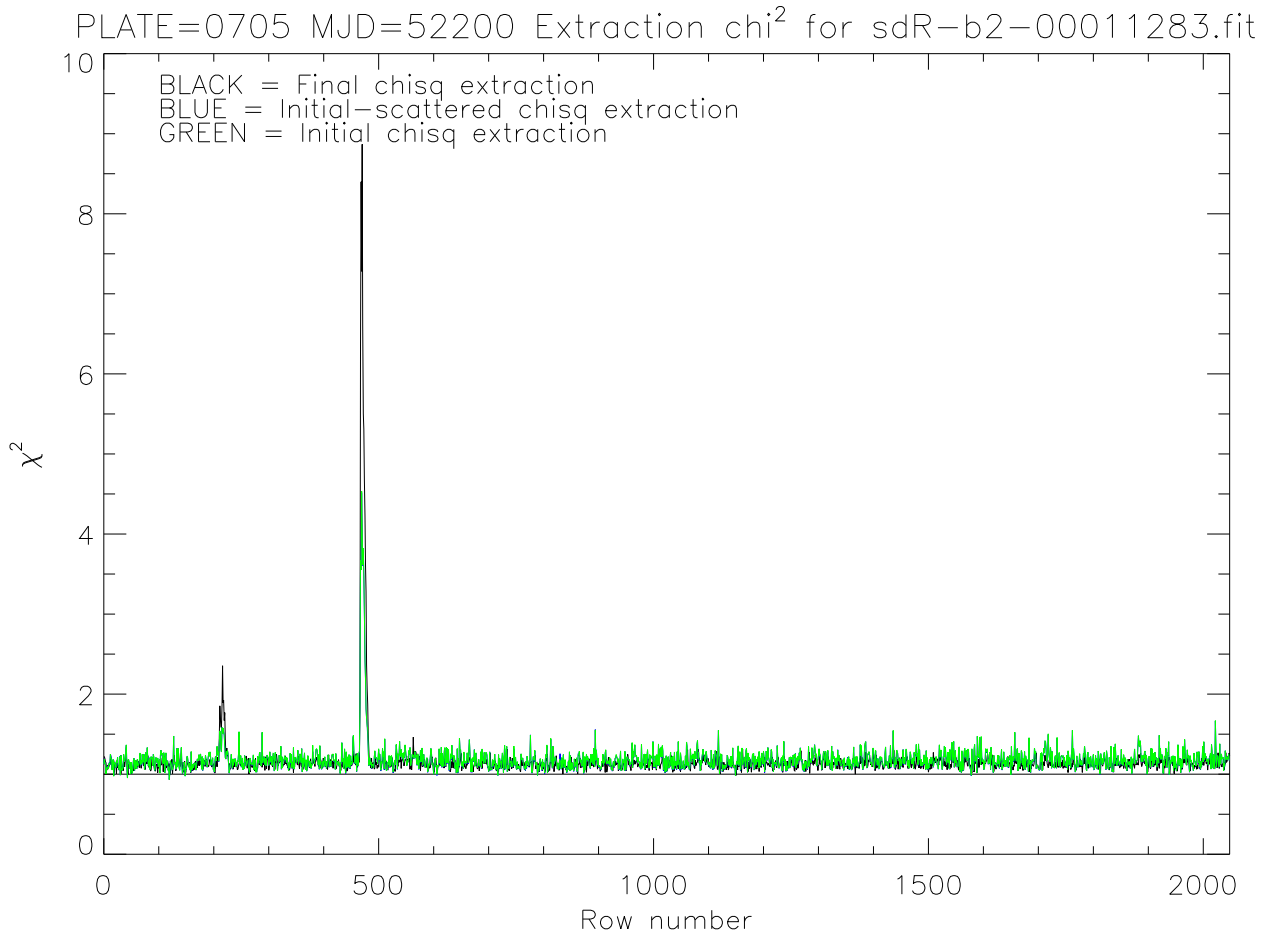

PLATE=0705 MJD=52200 Fiber-Flats for sdR-b2-00011286.fit
BLACK = Median value
ENVELOPE = 1% to 99% range
GREEN = Outlier points
Min value = 0.459
Max value = 1.282
Fiber-Flat
1.5
1.0
0.5
0.0
4000
4500
5000
5500
6000
λ [A]
Mon Feb 25 17:02:05 2008

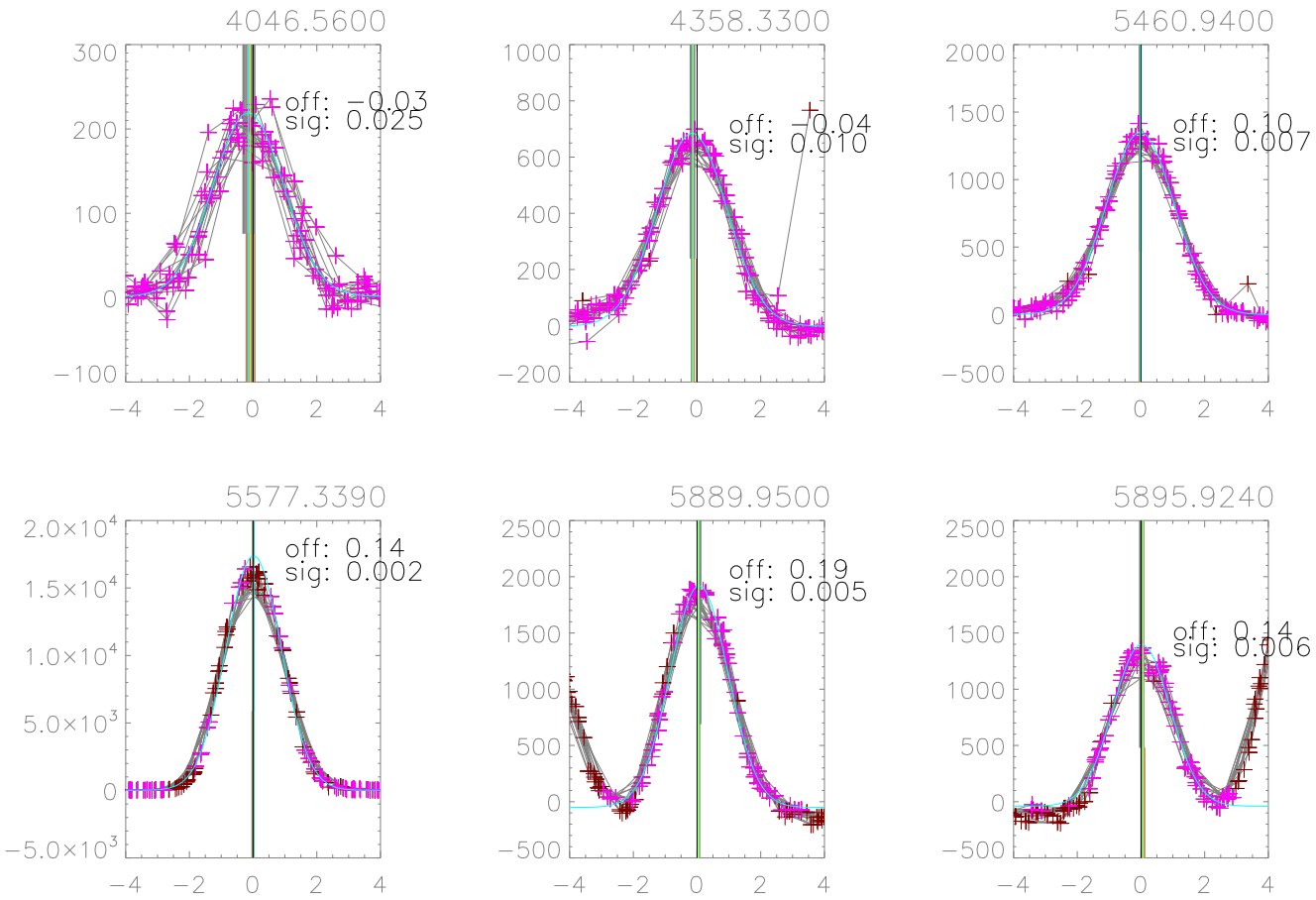

PLATE=0705 MJD=52200 Scattered Light before halo removal on sdR-b2-00011283.f
2000
1500
1000
500
0
Y [pix]
0
500
1000
1500
2000
X [pix]
22.7
19.1
19.1
15.5
0
19.1

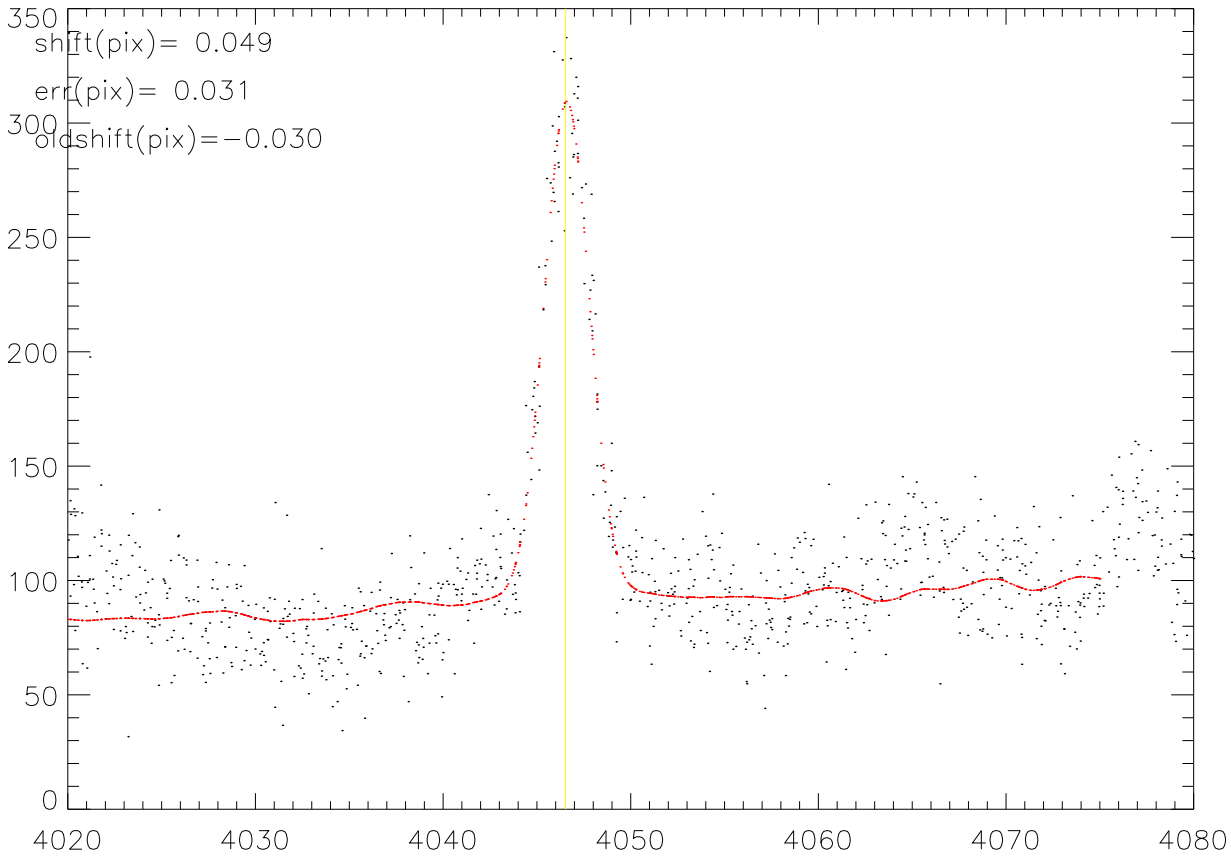

PLATE=0705 MJD=52200 Scattered Light before halo removal on sdR-b2-00011283.f
Brightness [electrons/pix]
30
25
20
15
10
5
0
Error bars denote full range
Min value = 16.222
Max value = 24.945
4000
4500
5000
5500
6000
λ [A]
Mon Feb 25 17:02:58 2008

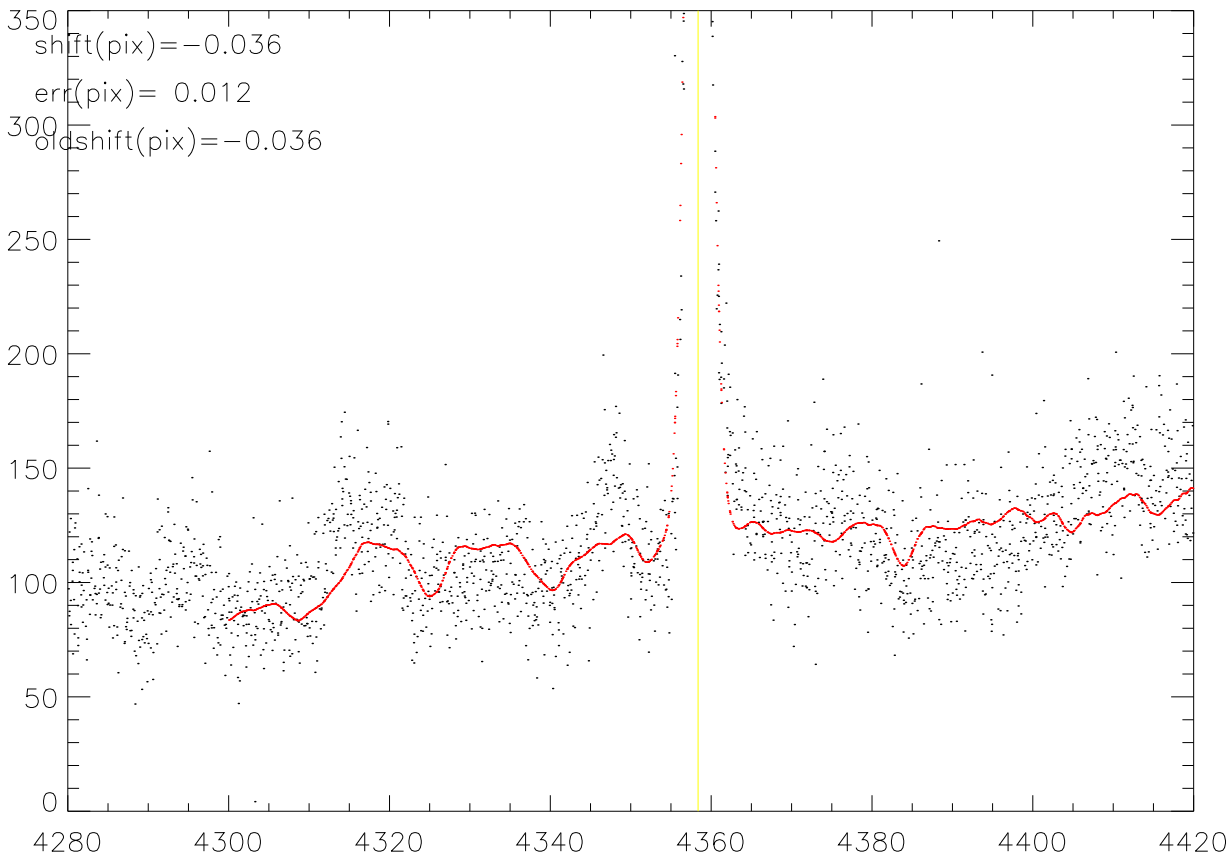

PLATE=0705 MJD=52200 Scattered Light on sdR-b2-00011283.fit
17.6
15.5
13.3
13.3
13.3
15.5
15.5
15.5
Y [pix]
X [pix]
0
500
1000
1500
2000

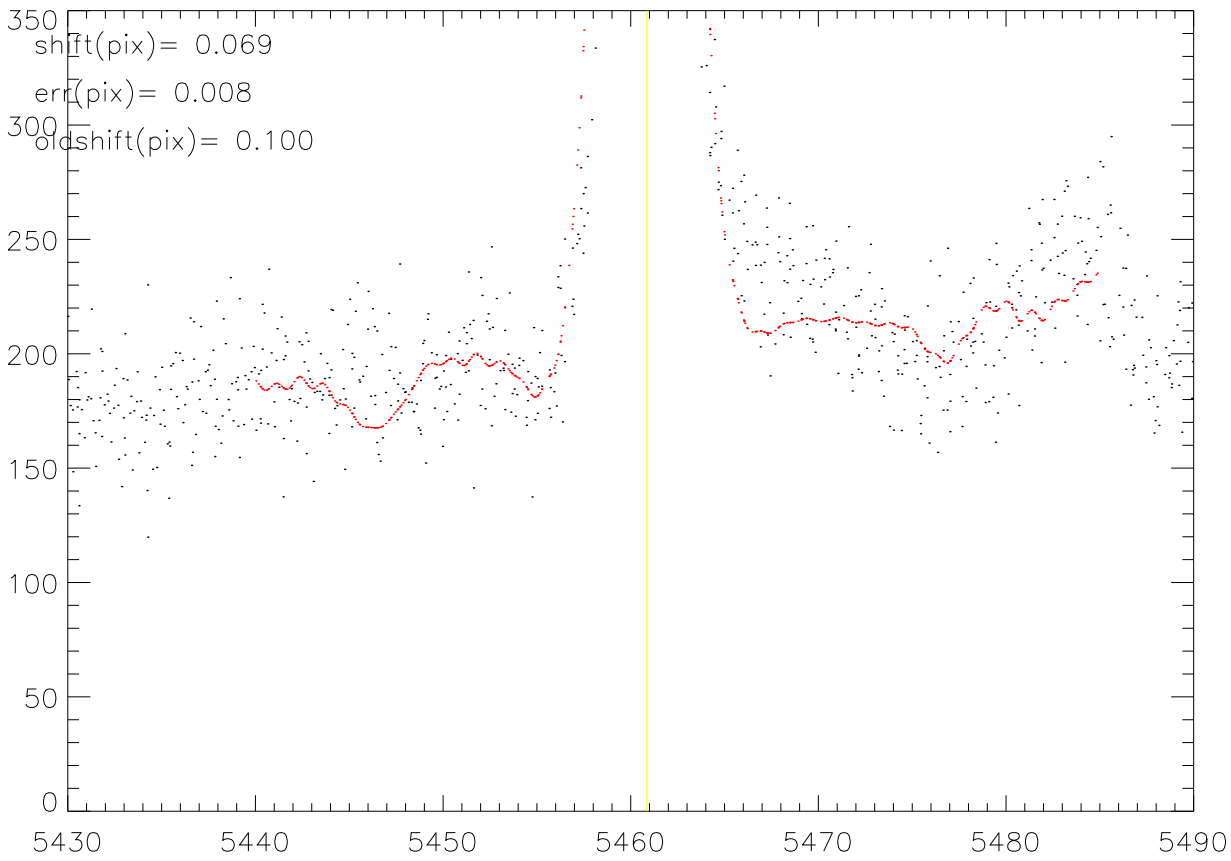

PLATE=0705 MJD=52200 Scattered Light on sdR-b2-00011283.fit
Brightness [electrons/pix]
25
20
15
10
5
0
4000
4500
5000
5500
6000
λ [A]
Error bars denote full range
Min value = 12.238
Max value = 18.235
Mon Feb 25 17:05:31 2008

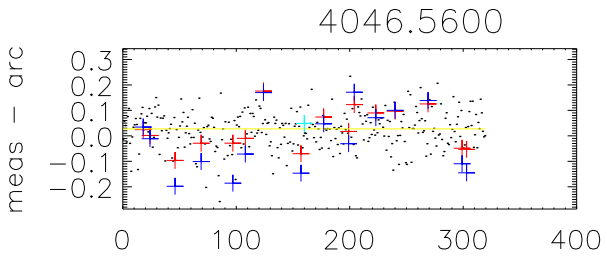

PLATE=0705 MJD=52200 Extraction chi$^2$ for sdR-b2-00011283.fit
BLACK = Final chisq extraction
BLUE = Initial-scattered chisq extraction
GREEN = Initial chisq extraction
$\chi^2$
Row number
0
2
4
6
8
10
0
500
1000
1500
2000

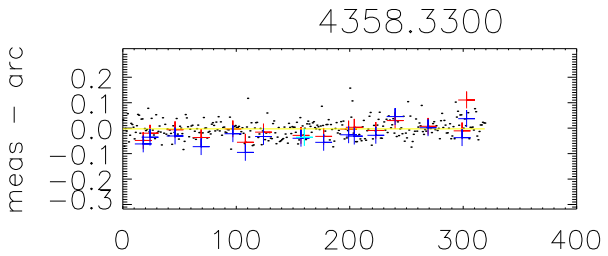

4046.5600
off: −0.03
sig: 0.025
4358.3300
off: −0.04
sig: 0.010
5460.9400
off: 0.10
sig: 0.007
5577.3390
off: 0.14
sig: 0.002
5889.9500
off: 0.19
sig: 0.005
5895.9240
off: 0.14
sig: 0.006

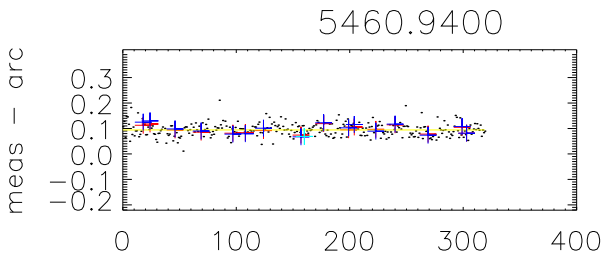

shift(pix)= 0.049
err(pix)= 0.031
oldshift(pix)=−0.030
350
300
250
200
150
100
50
0
4020
4030
4040
4050
4060
4070
4080

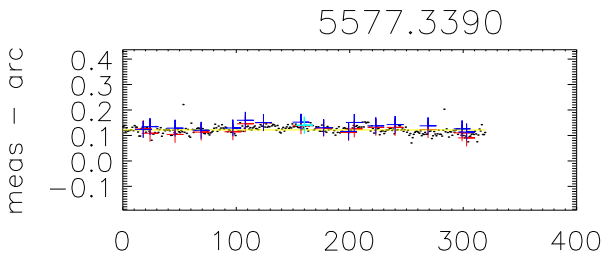

shift(pix)=−0.036
err(pix)= 0.012
oldshift(pix)=−0.036
350
300
250
200
150
100
50
0
4280
4300
4320
4340
4360
4380
4400
4420

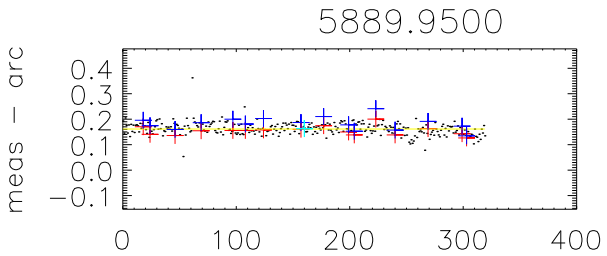

shift(pix)= 0.069
err(pix)= 0.008
oldshift(pix)= 0.100
350
300
250
200
150
100
50
0
5430
5440
5450
5460
5470
5480
5490

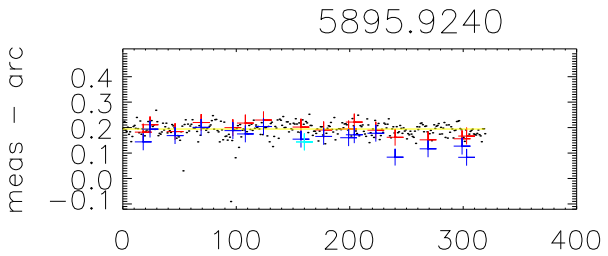

4046.5600
meas − arc
0.3
0.2
0.1
0.0
−0.1
−0.2
0
100
200
300
400

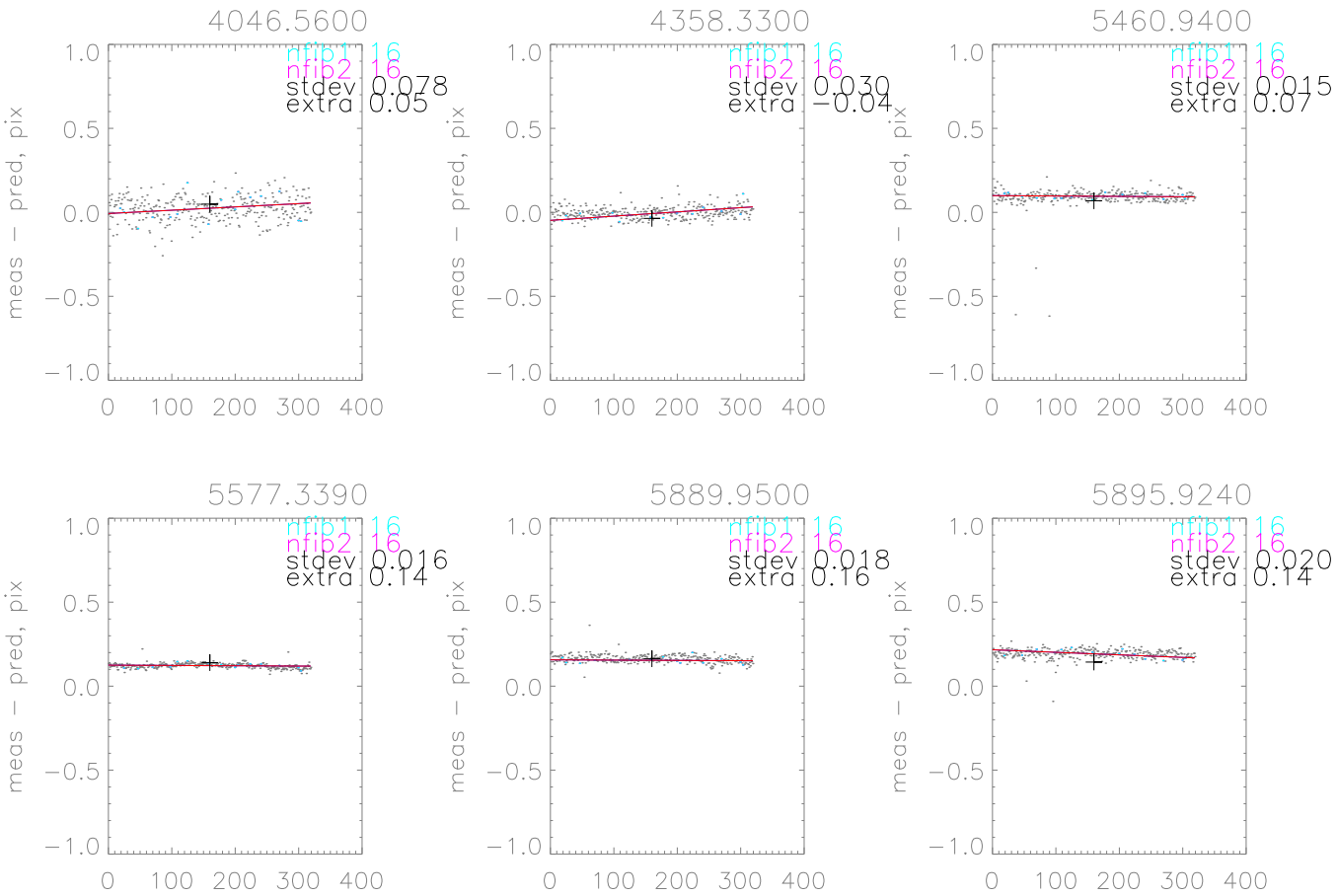

4358.3300
meas − arc
0.2
0.1
0.0
−0.1
−0.2
−0.3
0
100
200
300
400

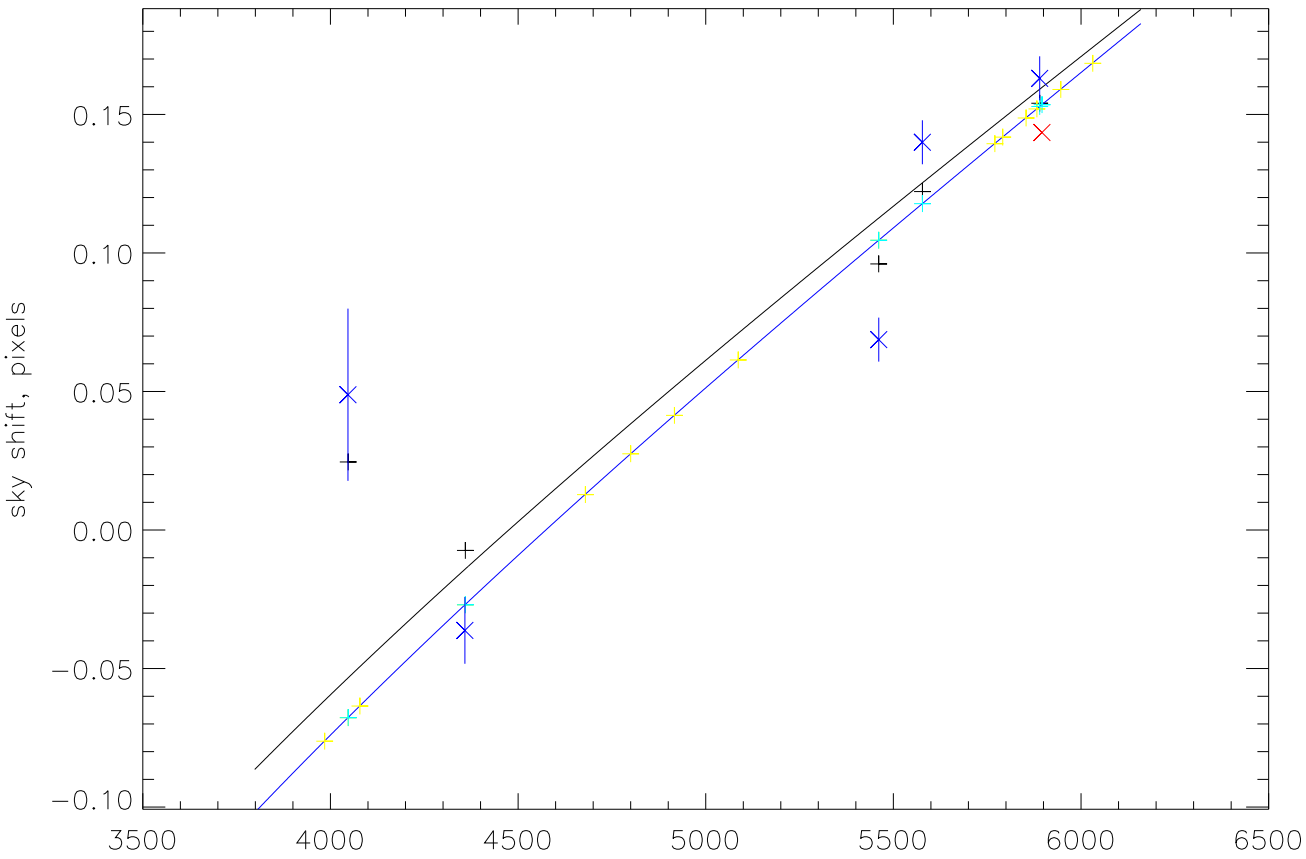

5460.9400
meas − arc
0.3
0.2
0.1
0.0
−0.1
−0.2
0
100
200
300
400

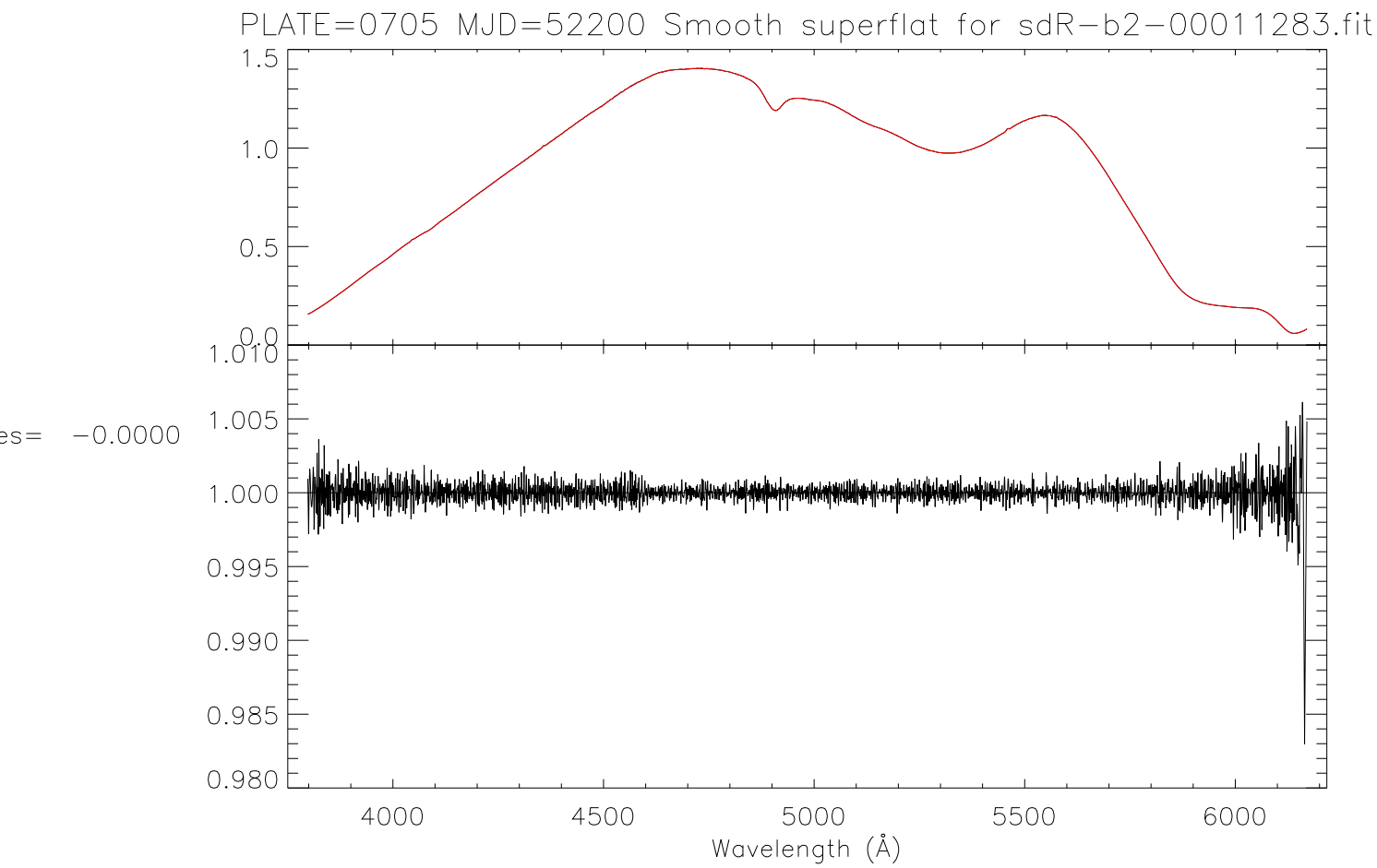

5577.3390
meas − arc
0.4
0.3
0.2
0.1
0.0
−0.1
0
100
200
300
400


5889.9500
meas − arc
0.4
0.3
0.2
0.1
0.0
−0.1
0
100
200
300
400

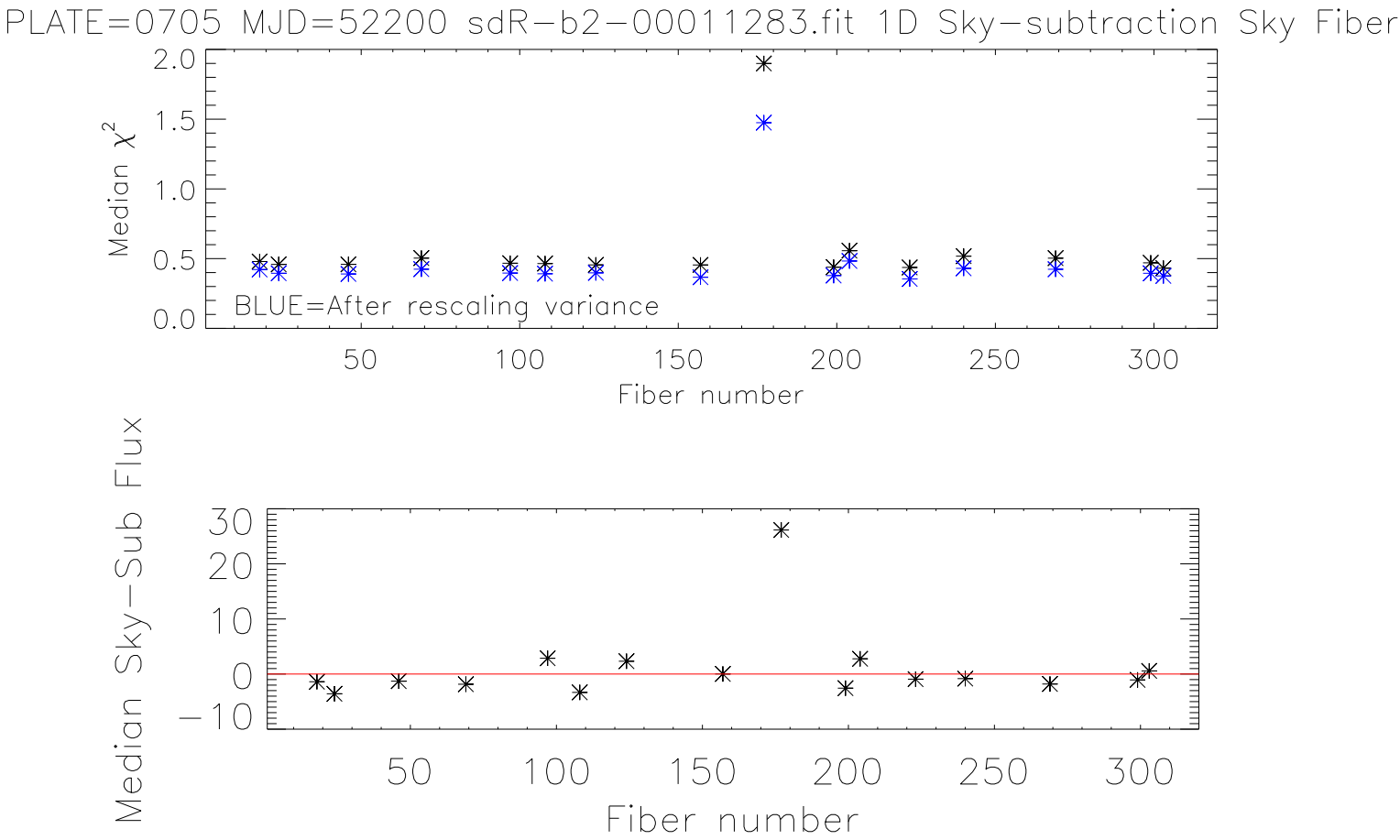

5895.9240
meas − arc
0.4
0.3
0.2
0.1
0.0
−0.1
0
100
200
300
400

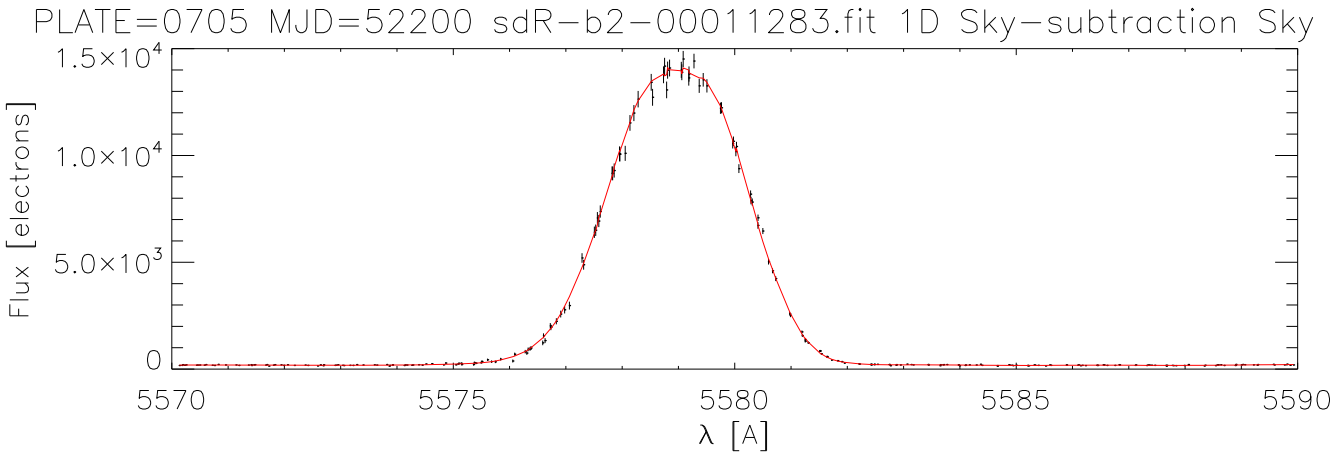

4046.5600
nfib1 16
nfib2 16
stdev 0.078
extra 0.05
4358.3300
nfib1 16
nfib2 16
stdev 0.030
extra −0.04
5460.9400
nfib1 16
nfib2 16
stdev 0.015
extra 0.07
5577.3390
nfib1 16
nfib2 16
stdev 0.016
extra 0.14
5889.9500
nfib1 16
nfib2 16
stdev 0.018
extra 0.16
5895.9240
nfib1 16
nfib2 16
stdev 0.020
extra 0.14
meas − pred, pix
1.0
0.5
0.0
−0.5
−1.0
0
100
200
300
400

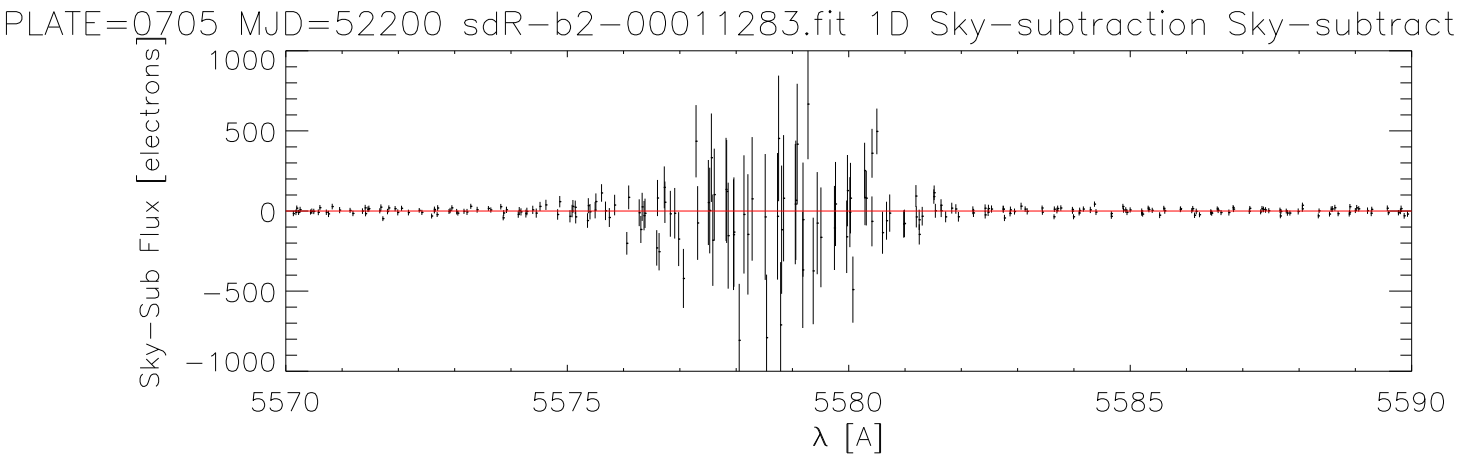

sky shift, pixels
0.15
0.10
0.05
0.00
−0.05
−0.10
3500
4000
4500
5000
5500
6000
6500

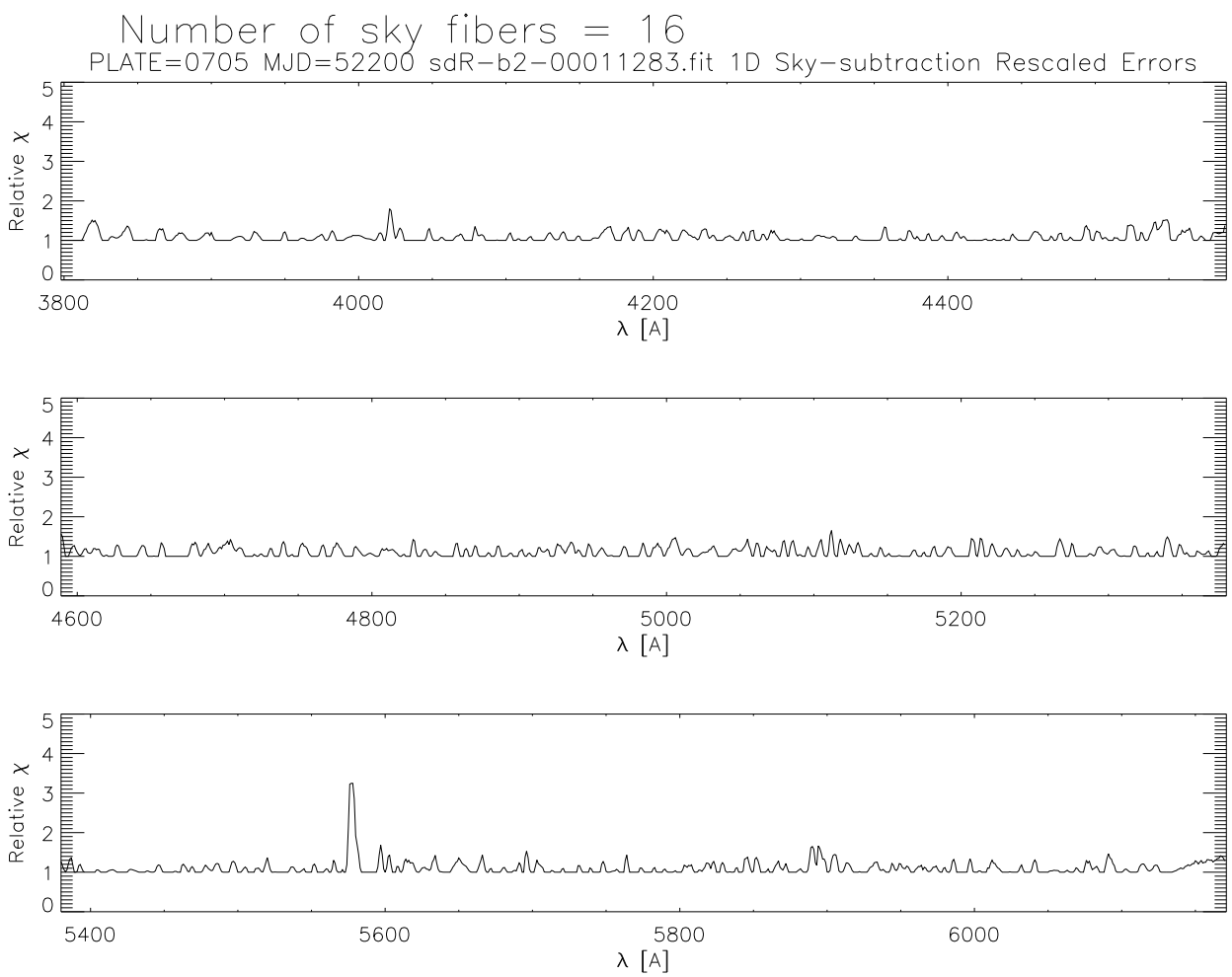

PLATE=0705 MJD=52200 Smooth superflat for sdR-b2-00011283.fit
1.5
1.0
0.5
0.0
1.010
1.005
1.000
0.995
0.990
0.985
0.980
4000
4500
5000
5500
6000
Wavelength (Å)

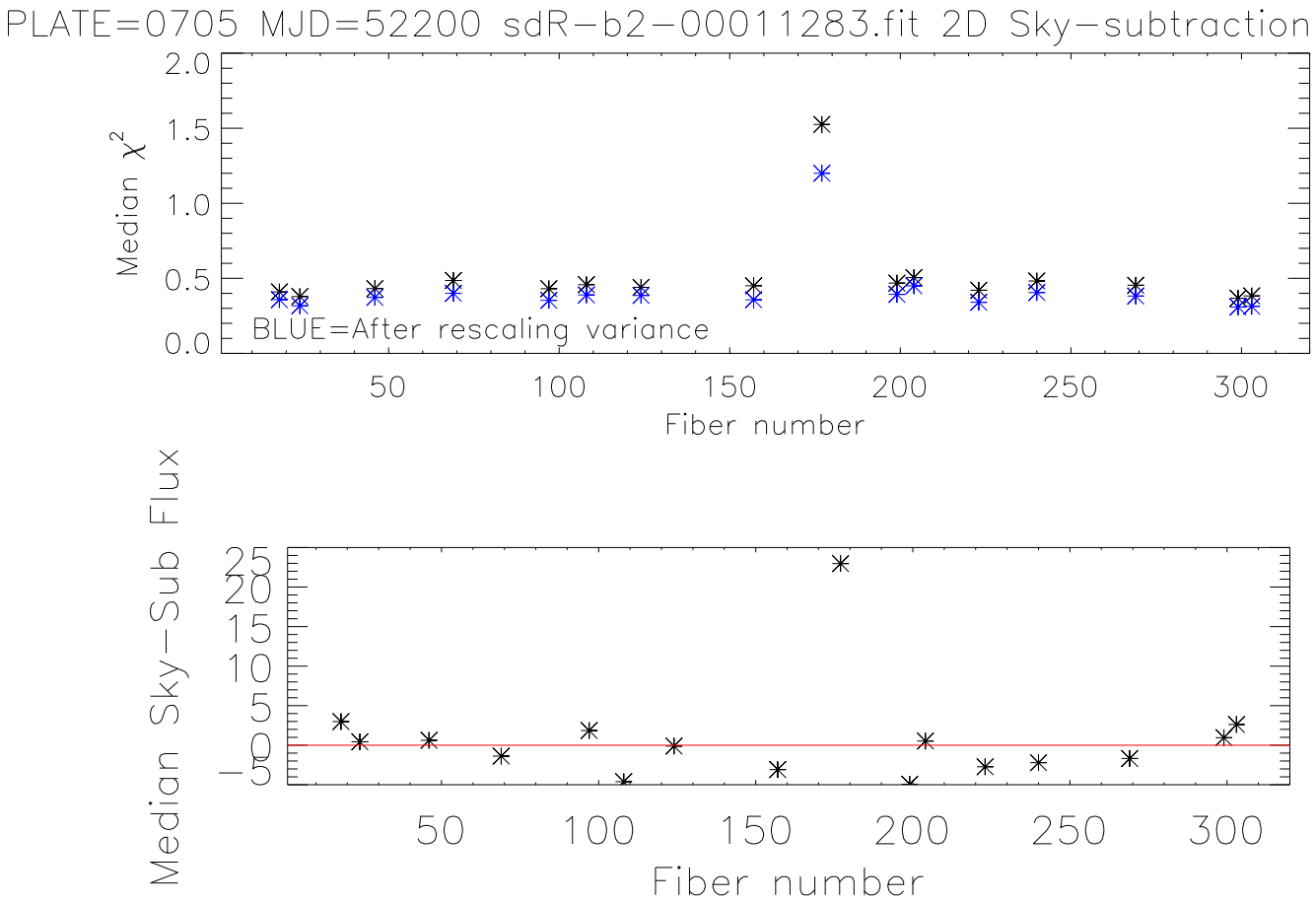
es= −0.0000

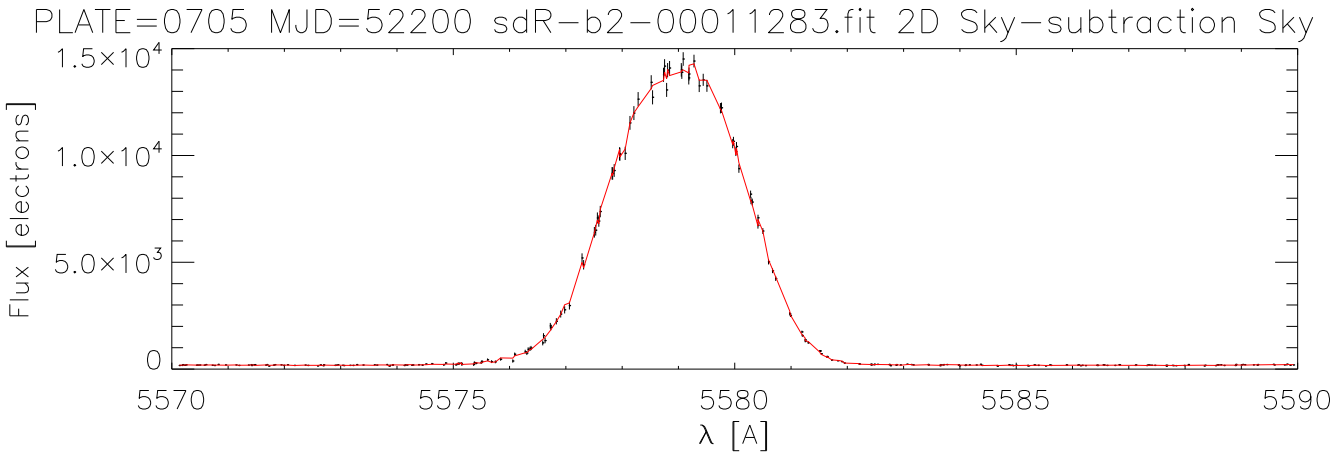

PLATE=0705 MJD=52200 sdR-b2-00011283.fit 1D Sky-subtraction Sky Fiber
Median $\chi^2$
2.0
1.5
1.0
0.5
0.0
BLUE=After rescaling variance
50
100
150
200
250
300
Fiber number
Median Sky-Sub Flux
30
20
10
0
-10
50
100
150
200
250
300
Fiber number

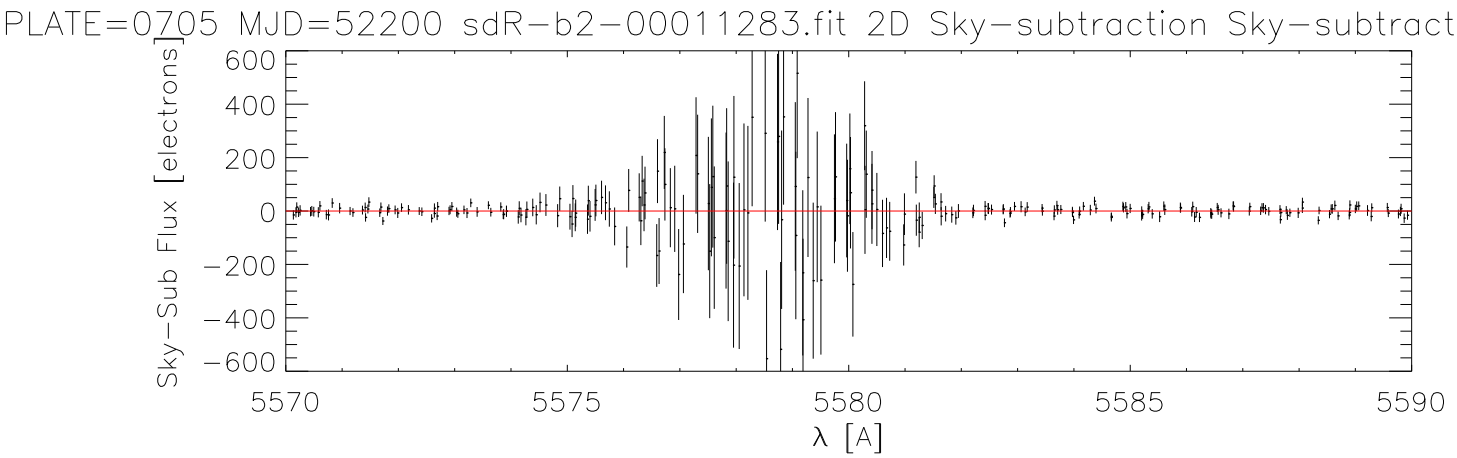

PLATE=0705 MJD=52200 sdR-b2-00011283.fit 1D Sky-subtraction Sky Fibers
Flux [electrons]
1.5×10^4
1.0×10^4
5.0×10^3
0
5570
5575
5580
5585
5590
λ [A]

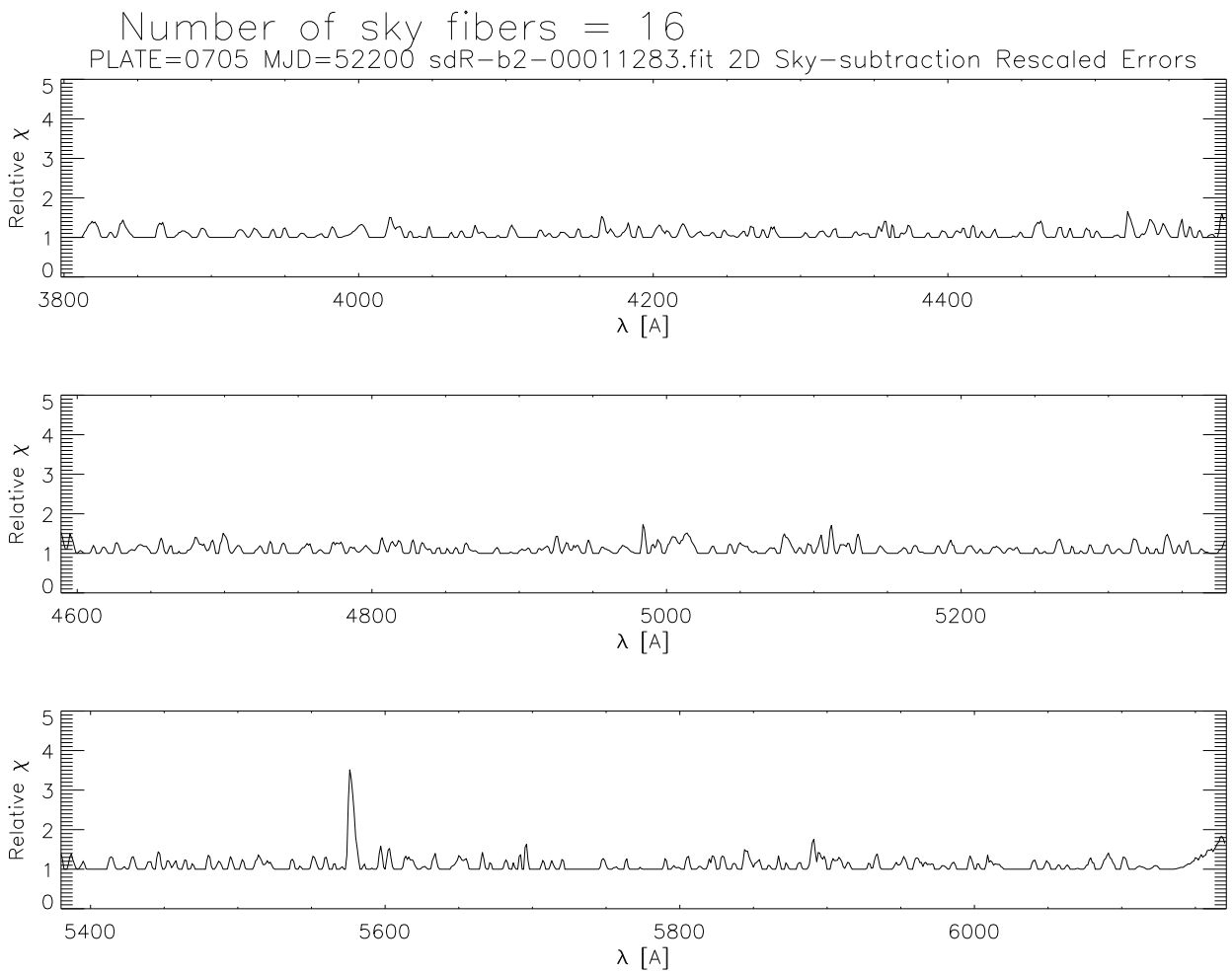

PLATE=0705 MJD=52200 sdR-b2-00011283.fit 1D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
1000
500
0
−500
−1000
5570
5575
5580
5585
5590
λ [A]

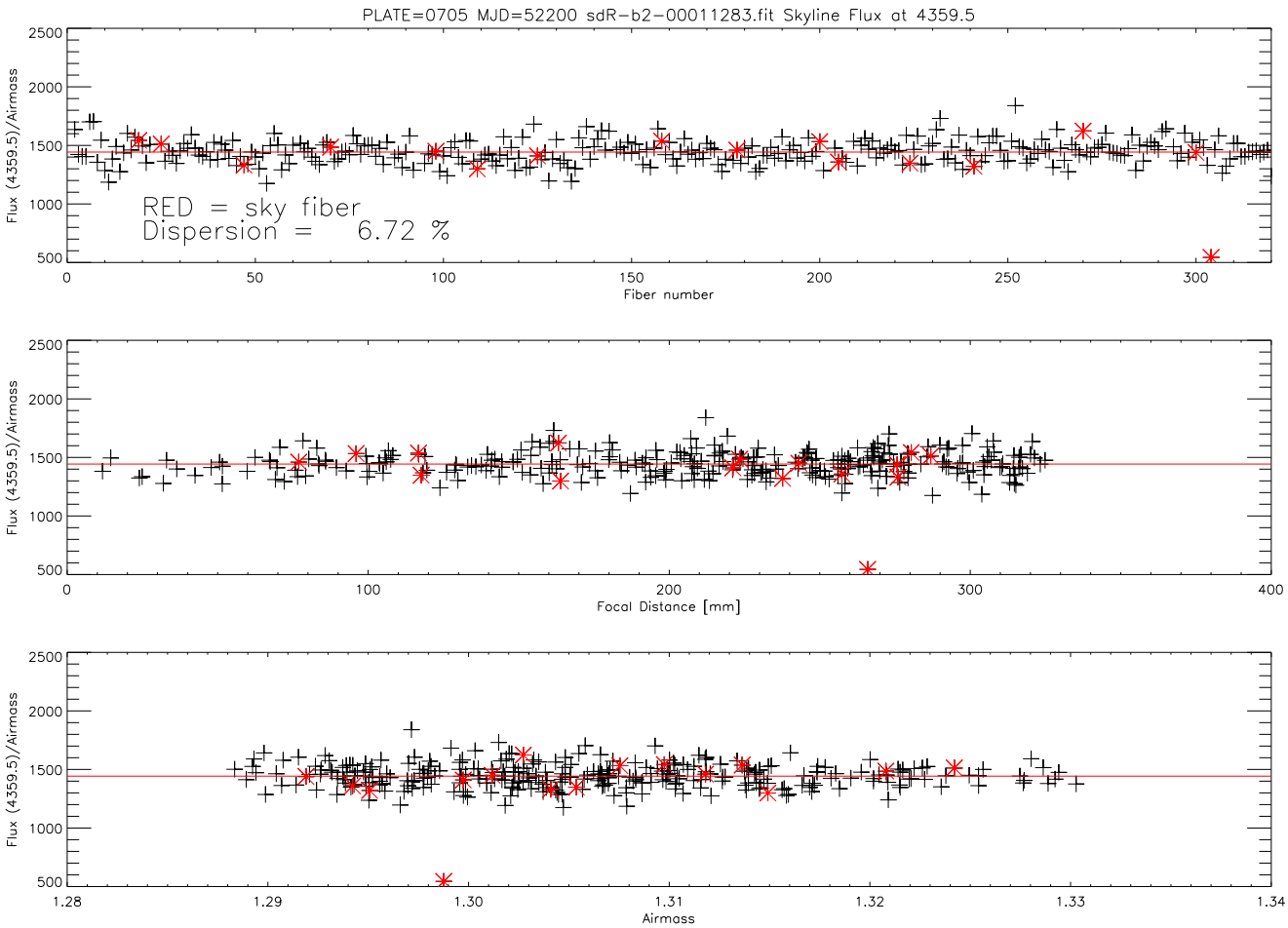

Number of sky fibers = 16
PLATE=0705 MJD=52200 sdR-b2-00011283.fit 1D Sky-subtraction Rescaled Errors
Relative χ
λ [A]
3800
4000
4200
4400
4600
4800
5000
5200
5400
5600
5800
6000

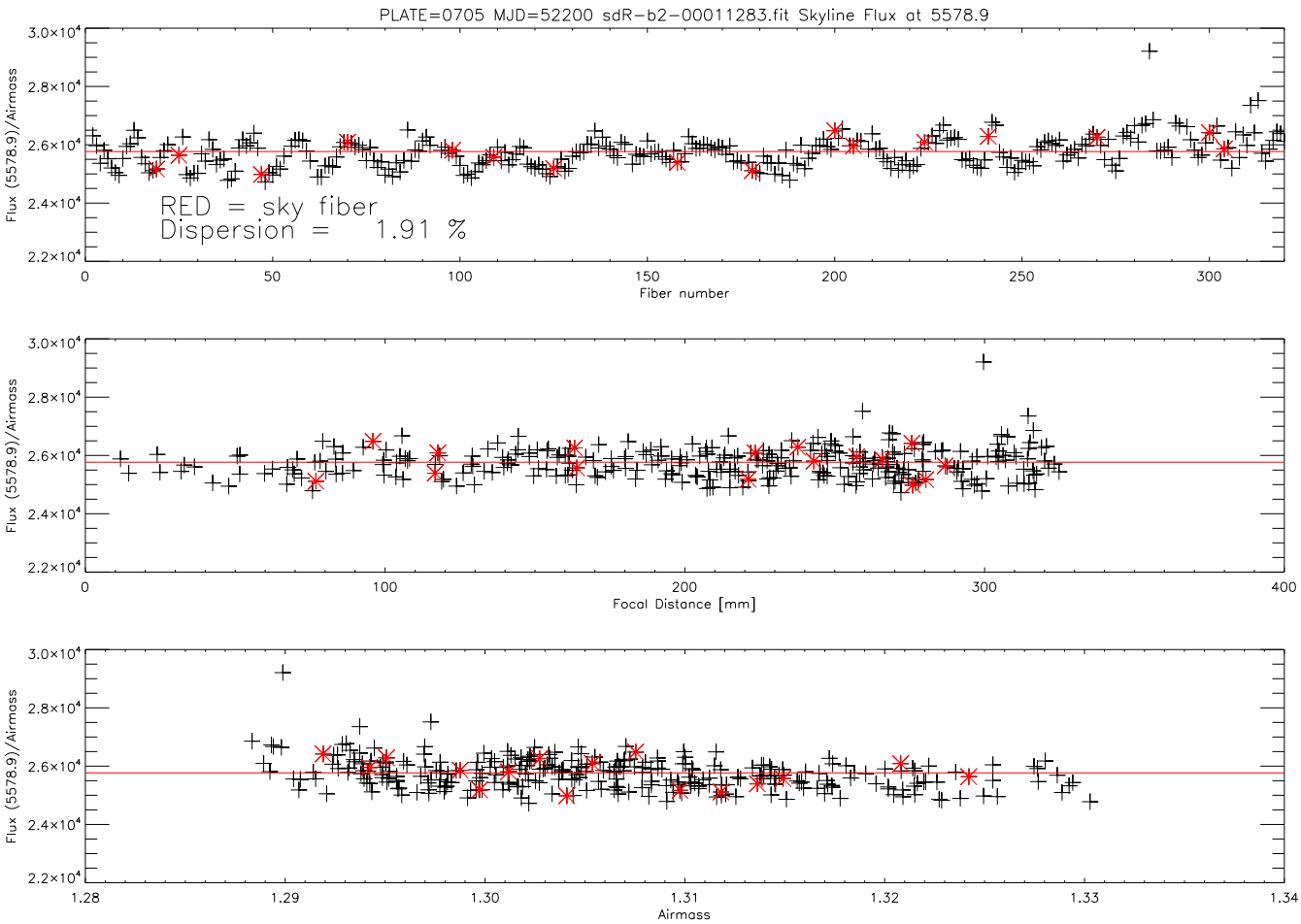

PLATE=0705 MJD=52200 sdR-b2-00011283.fit 2D Sky-subtraction Sky Fiber
Median $\chi^2$
BLUE=After rescaling variance
Fiber number
Median Sky-Sub Flux
Fiber number

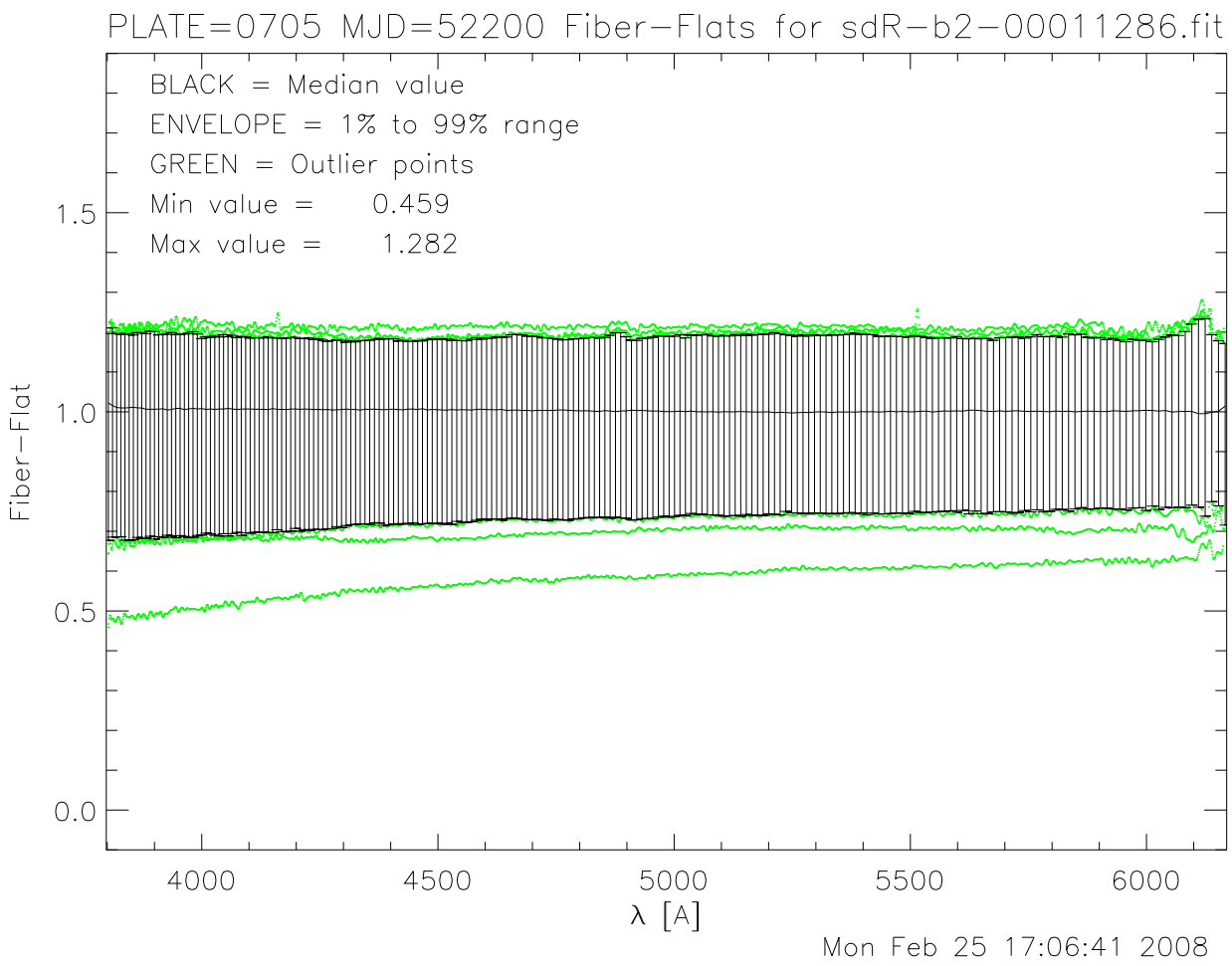

PLATE=0705 MJD=52200 sdR-b2-00011283.fit 2D Sky-subtraction Sky Fibers
Flux [electrons]
1.5×10^4
1.0×10^4
5.0×10^3
0
5570
5575
5580
5585
5590
λ [A]

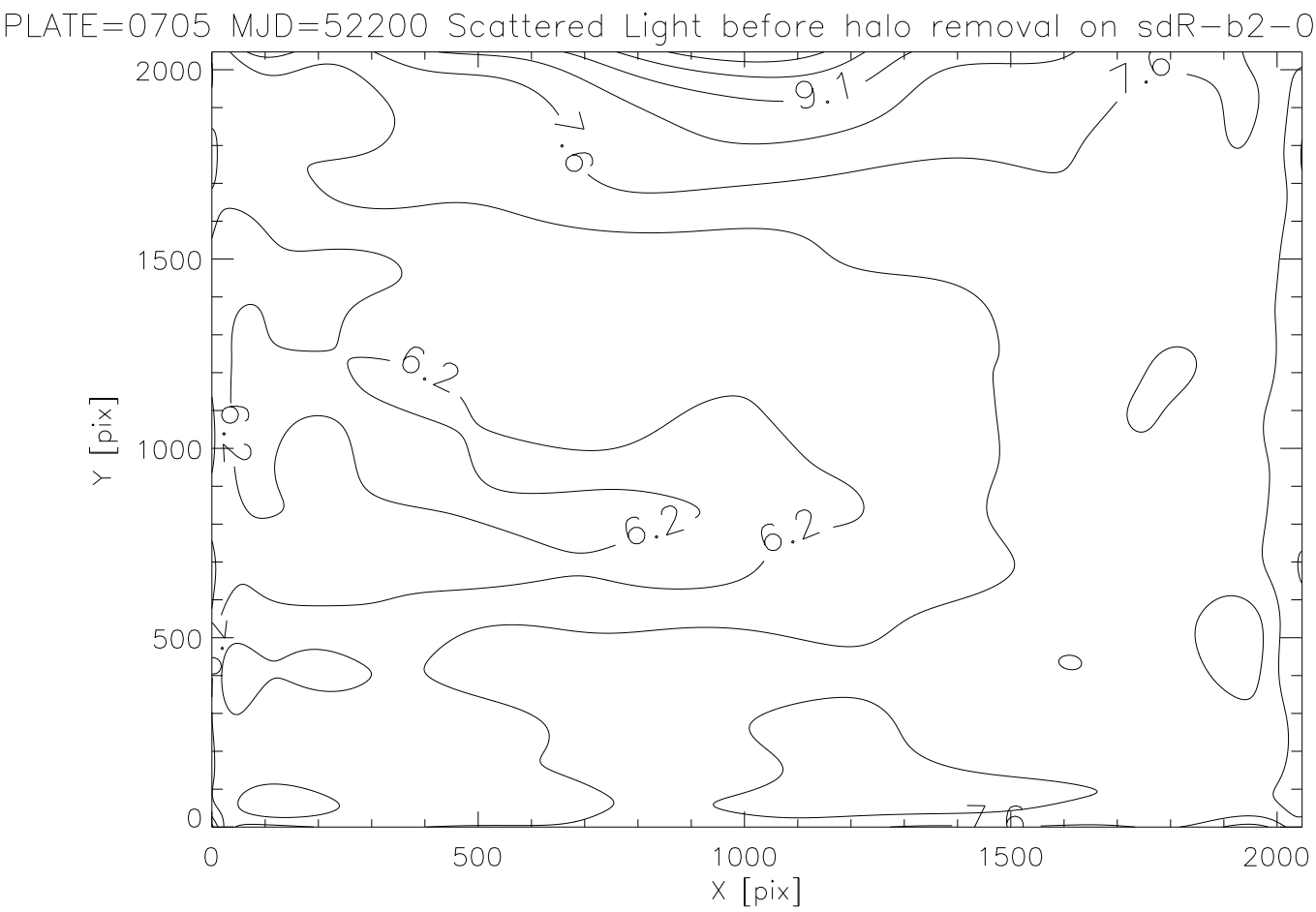

PLATE=0705 MJD=52200 sdR-b2-00011283.fit 2D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
600
400
200
0
−200
−400
−600
5570
5575
5580
5585
5590
λ [A]

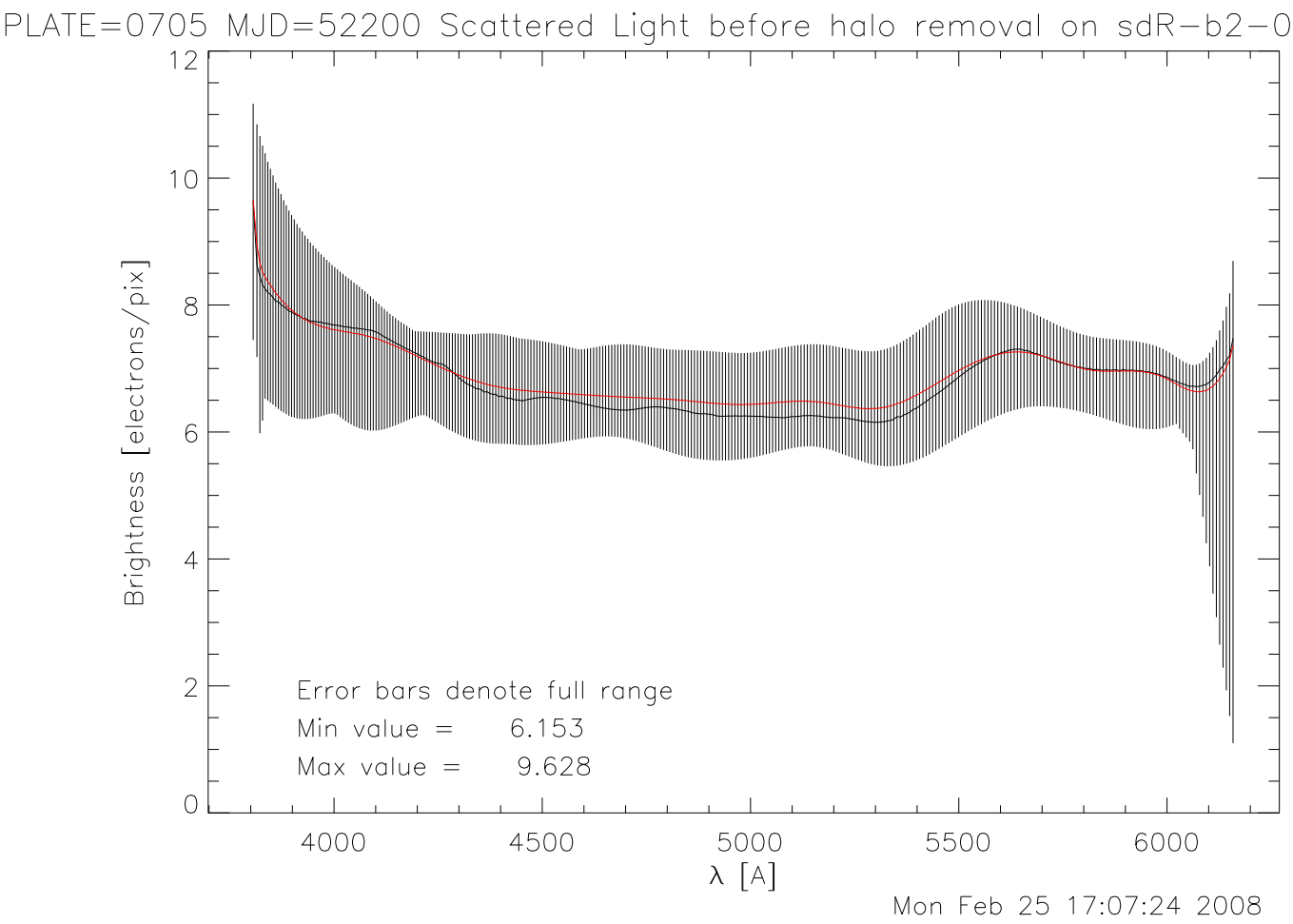

Number of sky fibers = 16
PLATE=0705 MJD=52200 sdR-b2-00011283.fit 2D Sky-subtraction Rescaled Errors
Relative χ
λ [A]
3800
4000
4200
4400
4600
4800
5000
5200
5400
5600
5800
6000

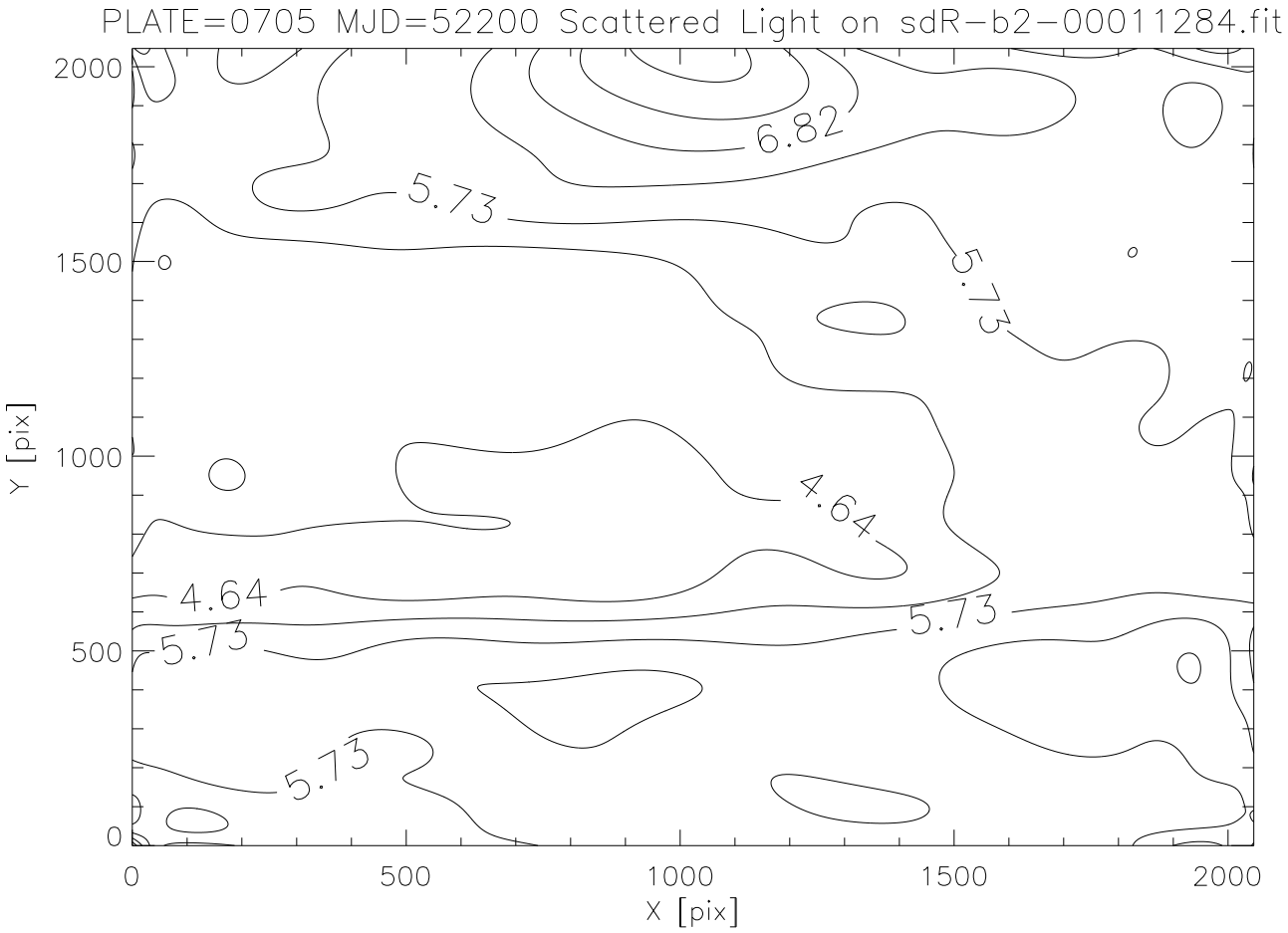

PLATE=0705 MJD=52200 sdR-b2-00011283.fit Skyline Flux at 4359.5
Flux (4359.5)/Airmass
RED = sky fiber
Dispersion = 6.72 %
Fiber number
Flux (4359.5)/Airmass
Focal Distance [mm]
Flux (4359.5)/Airmass
Airmass

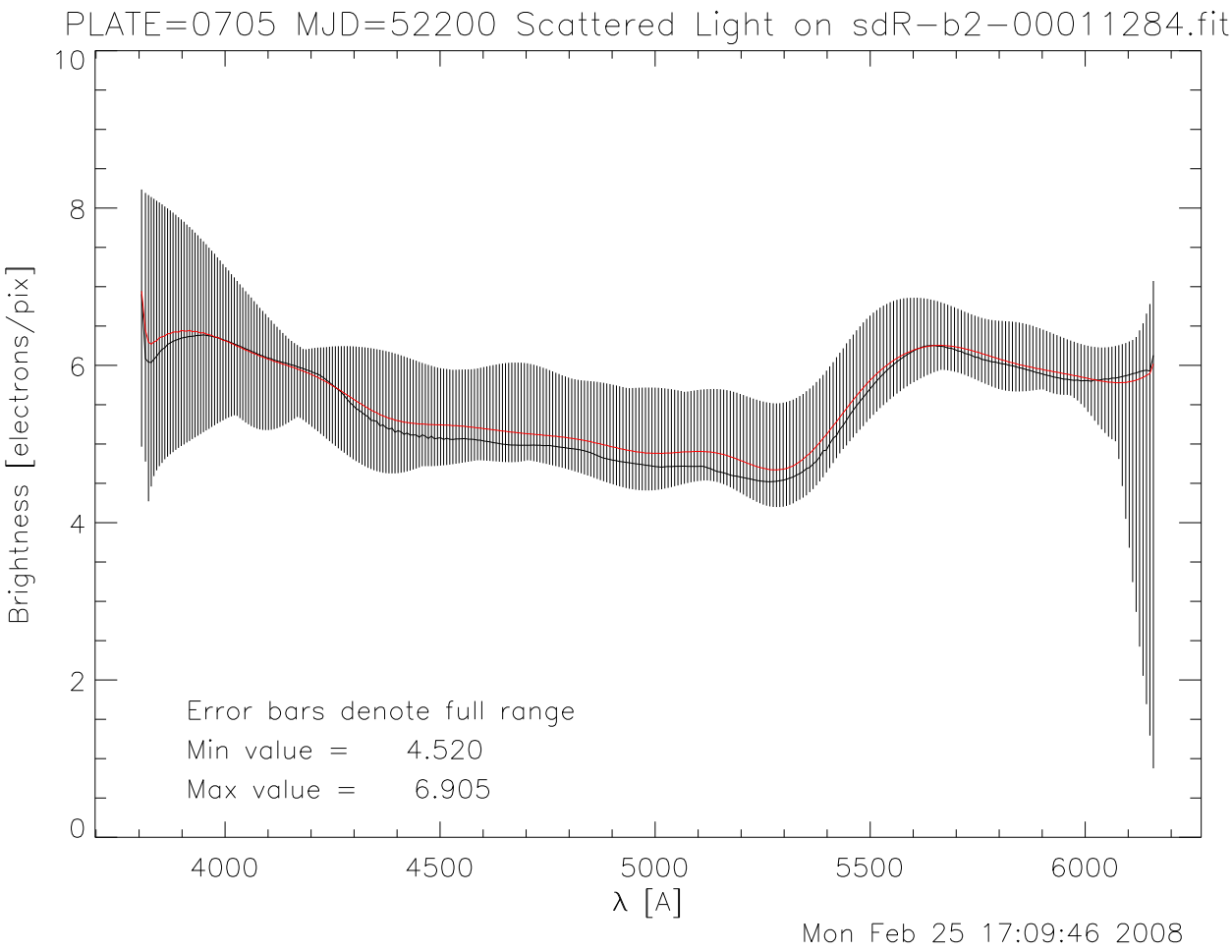

PLATE=0705 MJD=52200 sdR-b2-00011283.fit Skyline Flux at 5578.9
Flux (5578.9)/Airmass
RED = sky fiber
Dispersion = 1.91 %
Fiber number
Focal Distance [mm]
Airmass

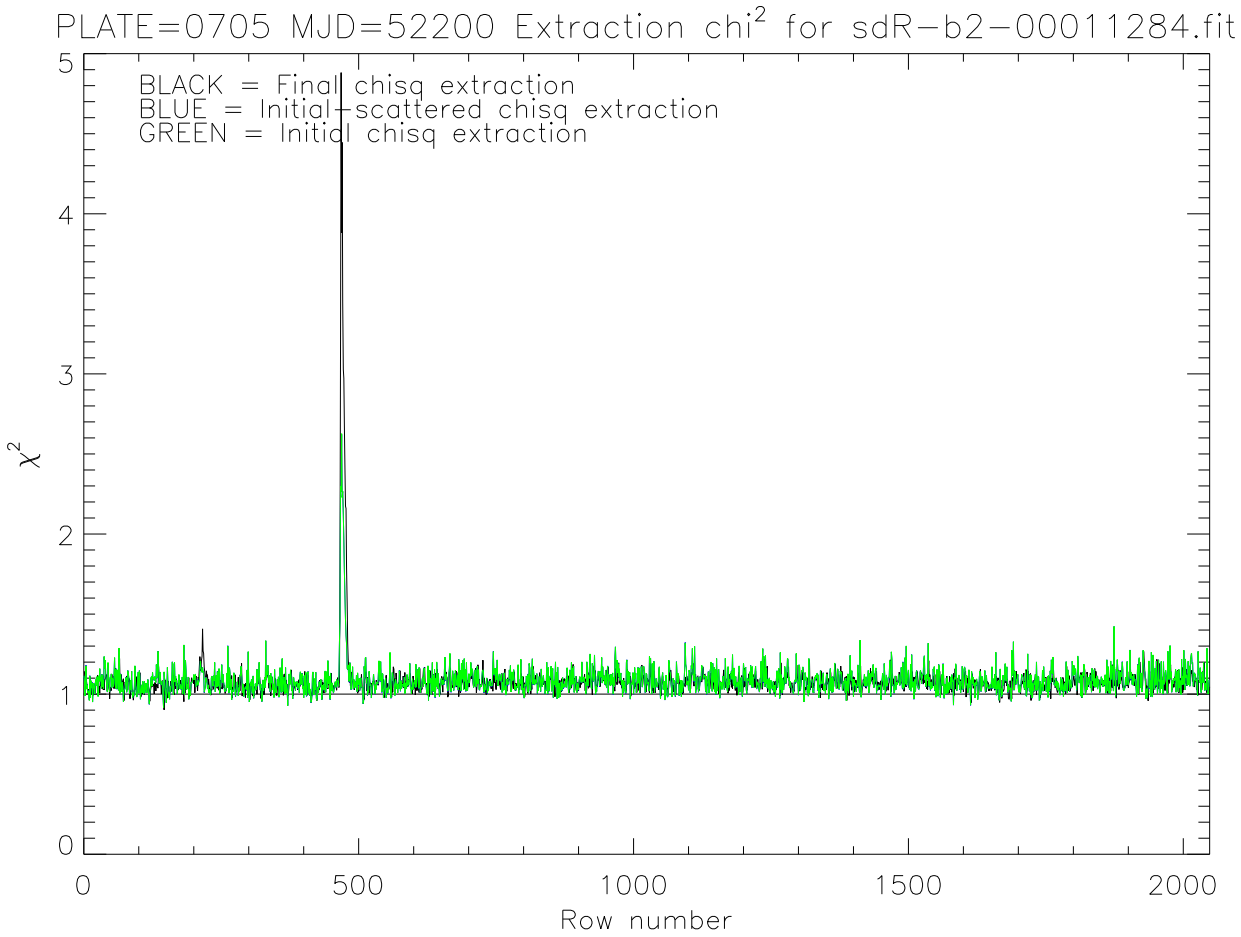

PLATE=0705 MJD=52200 Fiber-Flats for sdR-b2-00011286.fit
BLACK = Median value
ENVELOPE = 1% to 99% range
GREEN = Outlier points
Min value = 0.459
Max value = 1.282
Fiber-Flat
1.5
1.0
0.5
0.0
4000
4500
5000
5500
6000
λ [A]
Mon Feb 25 17:06:41 2008

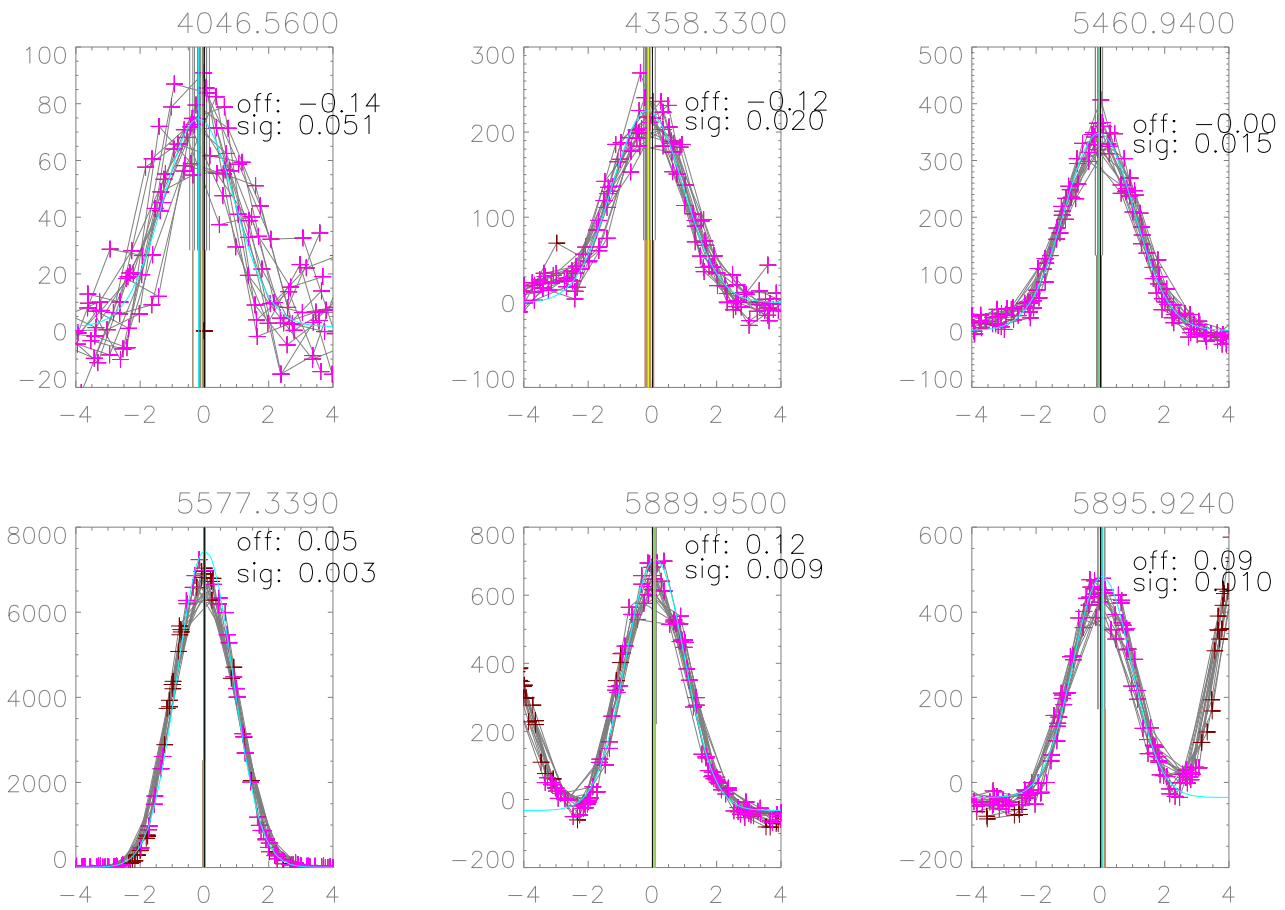

PLATE=0705 MJD=52200 Scattered Light before halo removal on sdR-b2-00011284.f
2000
1500
1000
500
0
Y [pix]
0
500
1000
1500
2000
X [pix]
9.1
1.6
6.2
6.2
6.2
7.6
0

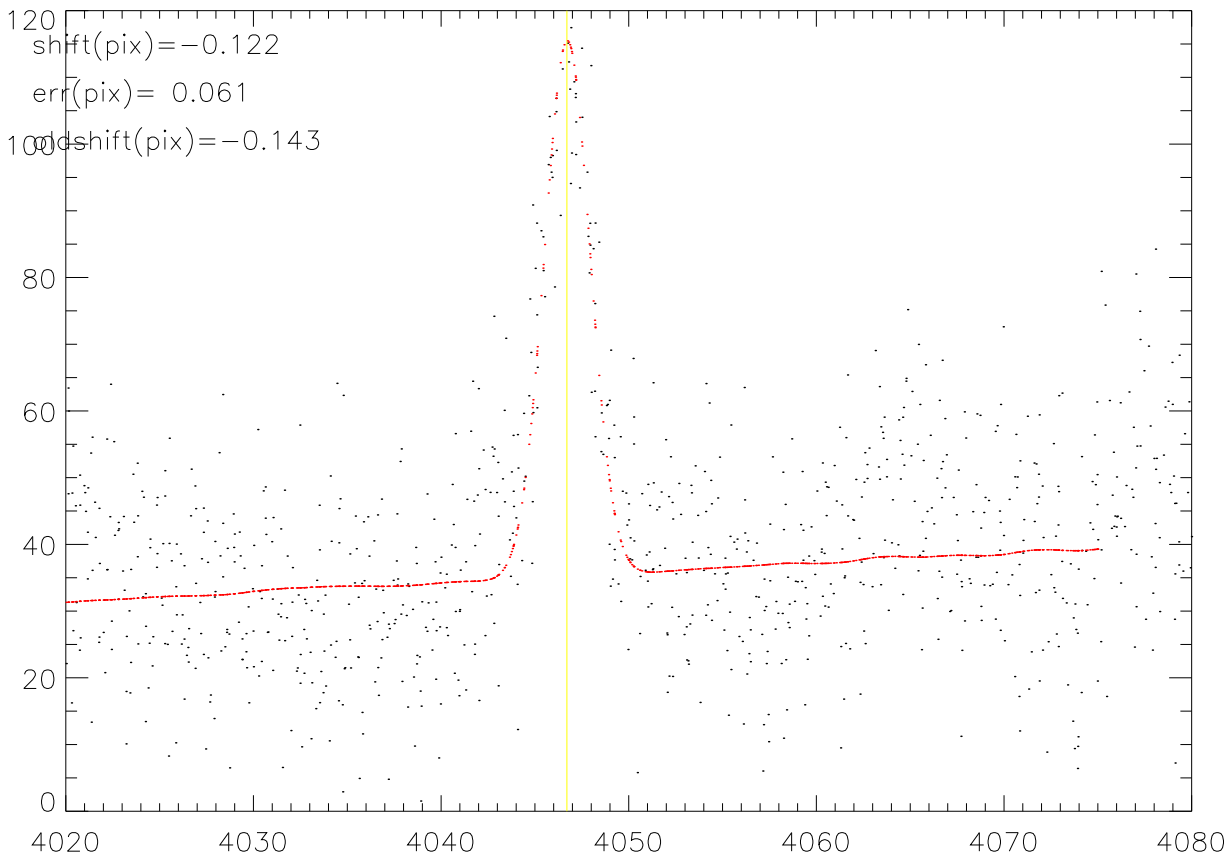

PLATE=0705 MJD=52200 Scattered Light before halo removal on sdR-b2-00011284.f
Brightness [electrons/pix]
λ [A]
Error bars denote full range
Min value = 6.153
Max value = 9.628
Mon Feb 25 17:07:24 2008

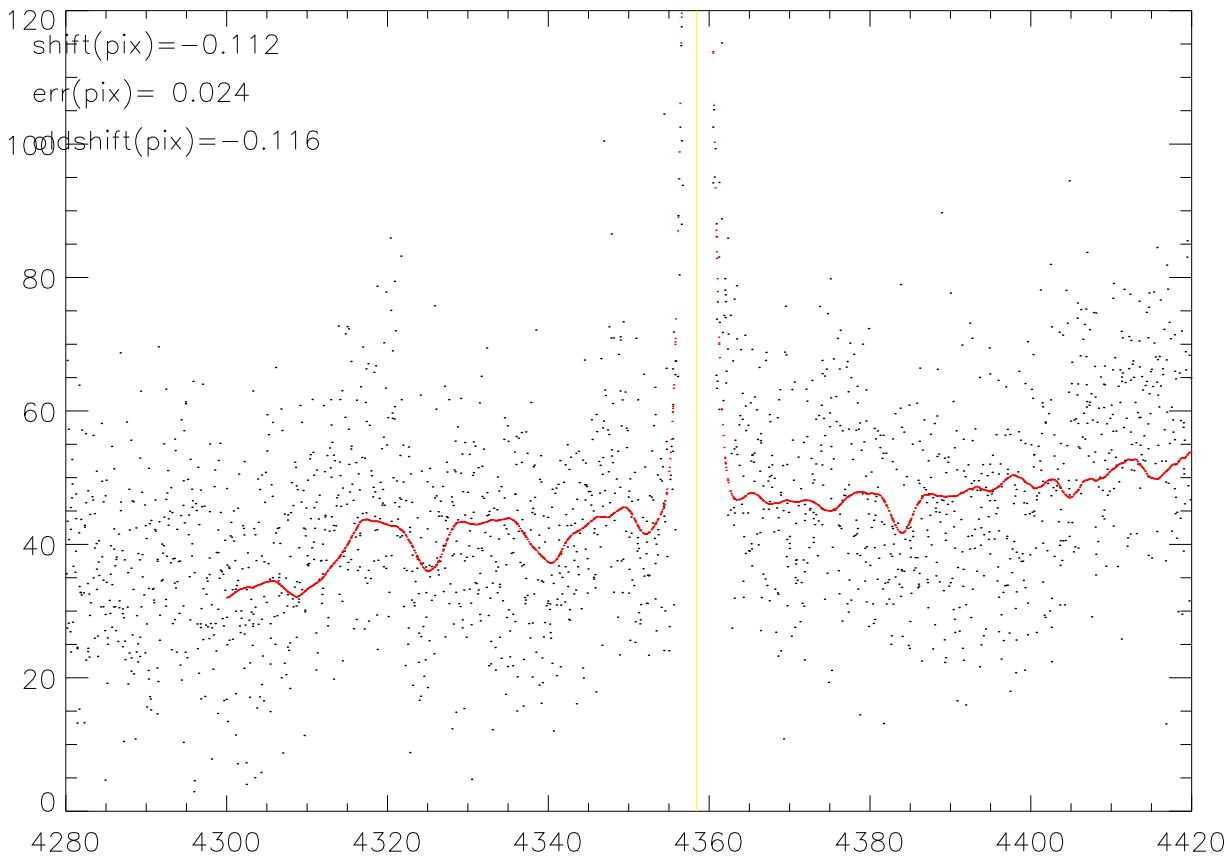

PLATE=0705 MJD=52200 Scattered Light on sdR-b2-00011284.fit
6.82
5.73
5.73
4.64
4.64
5.73
5.73
5.73
Y [pix]
X [pix]
0
500
1000
1500
2000

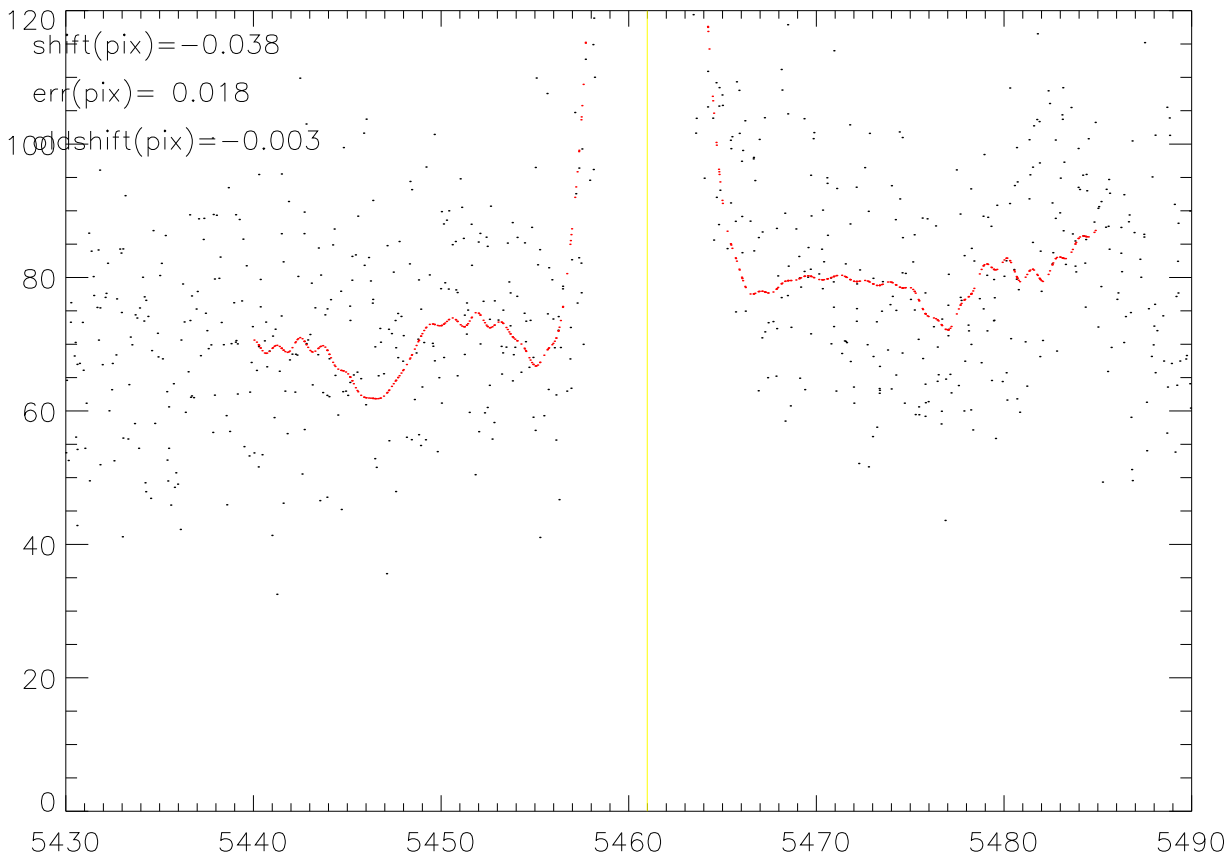

PLATE=0705 MJD=52200 Scattered Light on sdR-b2-00011284.fit
Brightness [electrons/pix]
λ [A]
Error bars denote full range
Min value = 4.520
Max value = 6.905
Mon Feb 25 17:09:46 2008

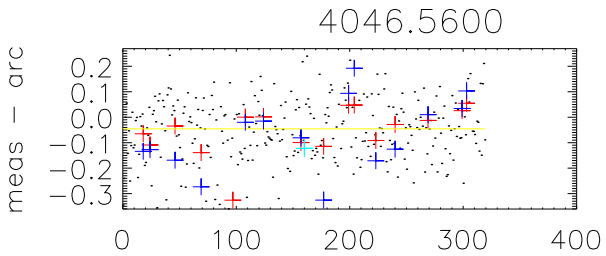

PLATE=0705 MJD=52200 Extraction chi$^2$ for sdR-b2-00011284.fit
BLACK = Final chisq extraction
BLUE = Initial-scattered chisq extraction
GREEN = Initial chisq extraction
$\chi^2$
0
1
2
3
4
5
0
500
1000
1500
2000
Row number

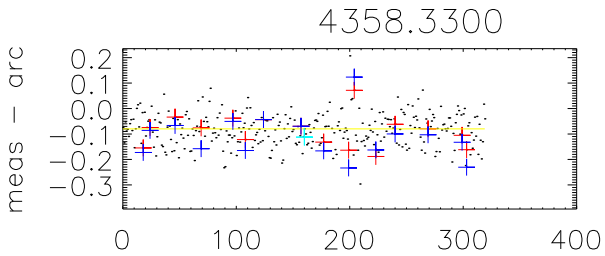

4046.5600
off: −0.14
sig: 0.051
4358.3300
off: −0.12
sig: 0.020
5460.9400
off: −0.00
sig: 0.015
5577.3390
off: 0.05
sig: 0.003
5889.9500
off: 0.12
sig: 0.009
5895.9240
off: 0.09
sig: 0.010

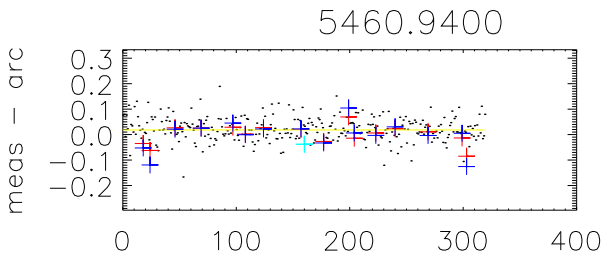

shift(pix)=−0.122
err(pix)= 0.061
oldshift(pix)=−0.143
120
100
80
60
40
20
0
4020
4030
4040
4050
4060
4070
4080

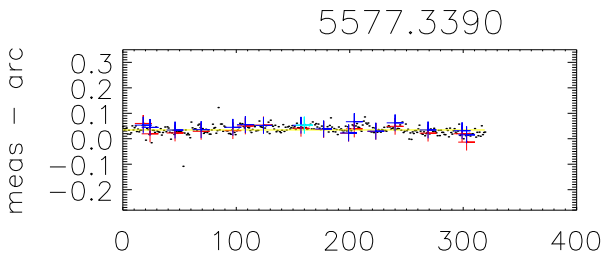

shift(pix)=−0.112
err(pix)= 0.024
oldshift(pix)=−0.116
120
100
80
60
40
20
0
4280
4300
4320
4340
4360
4380
4400
4420

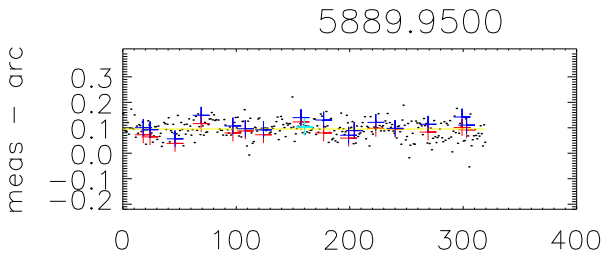

shift(pix)=−0.038
err(pix)= 0.018
oldshift(pix)=−0.003
120
100
80
60
40
20
0
5430
5440
5450
5460
5470
5480
5490

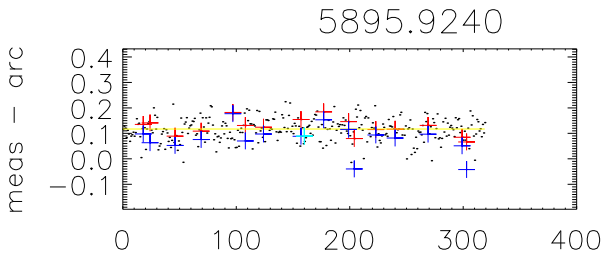

4046.5600
meas − arc
0.2
0.1
0.0
−0.1
−0.2
−0.3
0
100
200
300
400

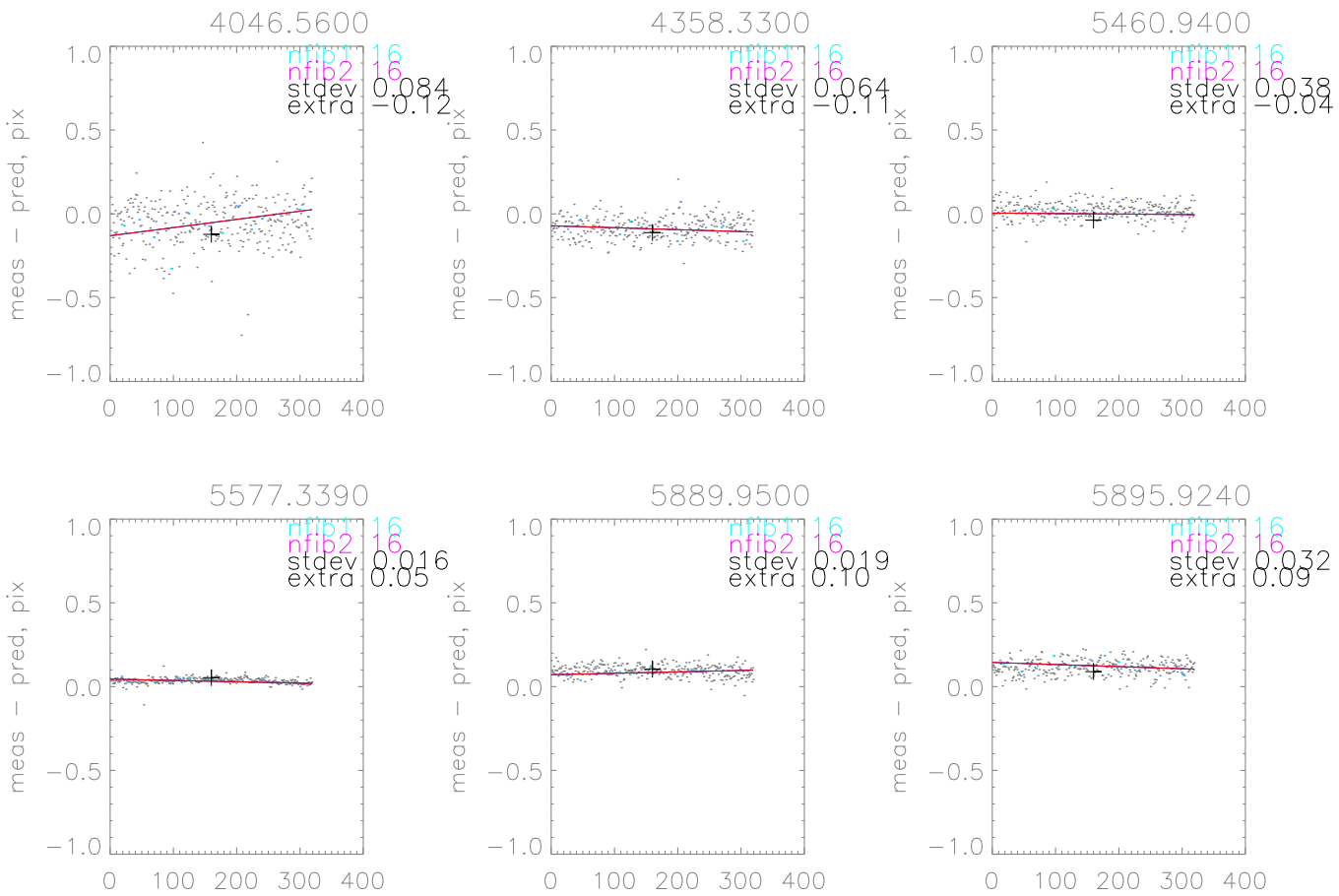

4358.3300
meas − arc
0.2
0.1
0.0
−0.1
−0.2
−0.3
0
100
200
300
400

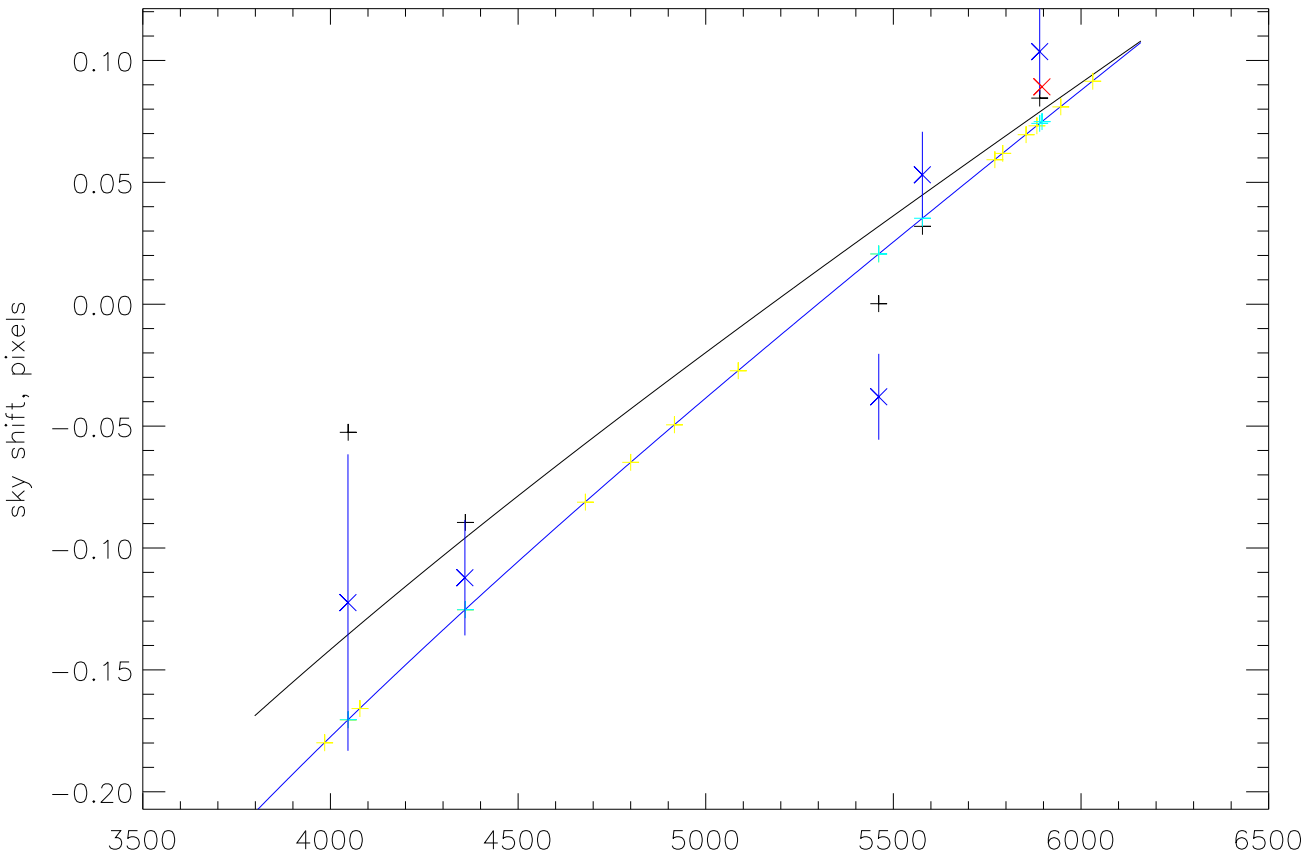

5460.9400
meas − arc
0.3
0.2
0.1
0.0
−0.1
−0.2
0
100
200
300
400

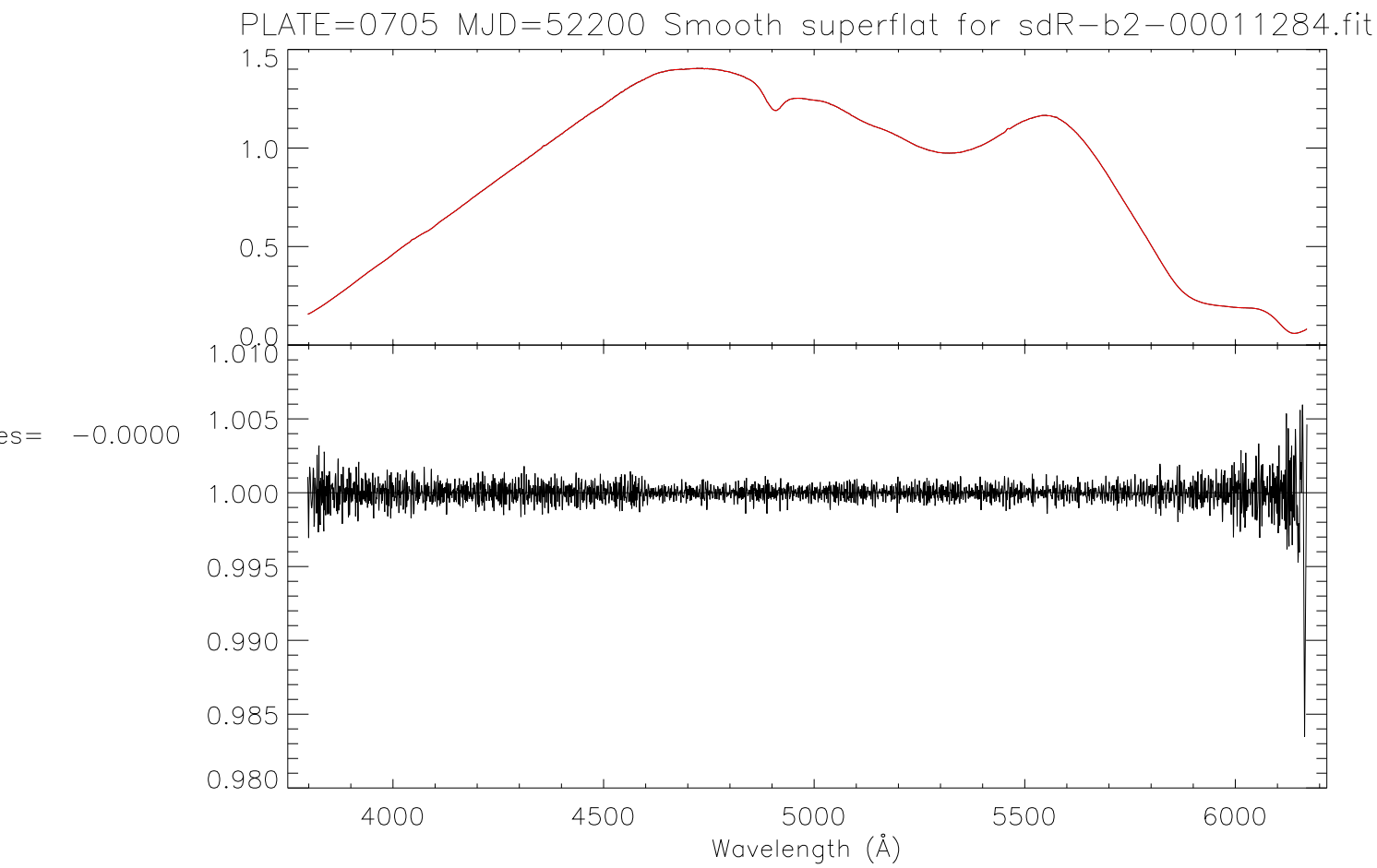

5577.3390
meas − arc
0.3
0.2
0.1
0.0
−0.1
−0.2
0
100
200
300
400

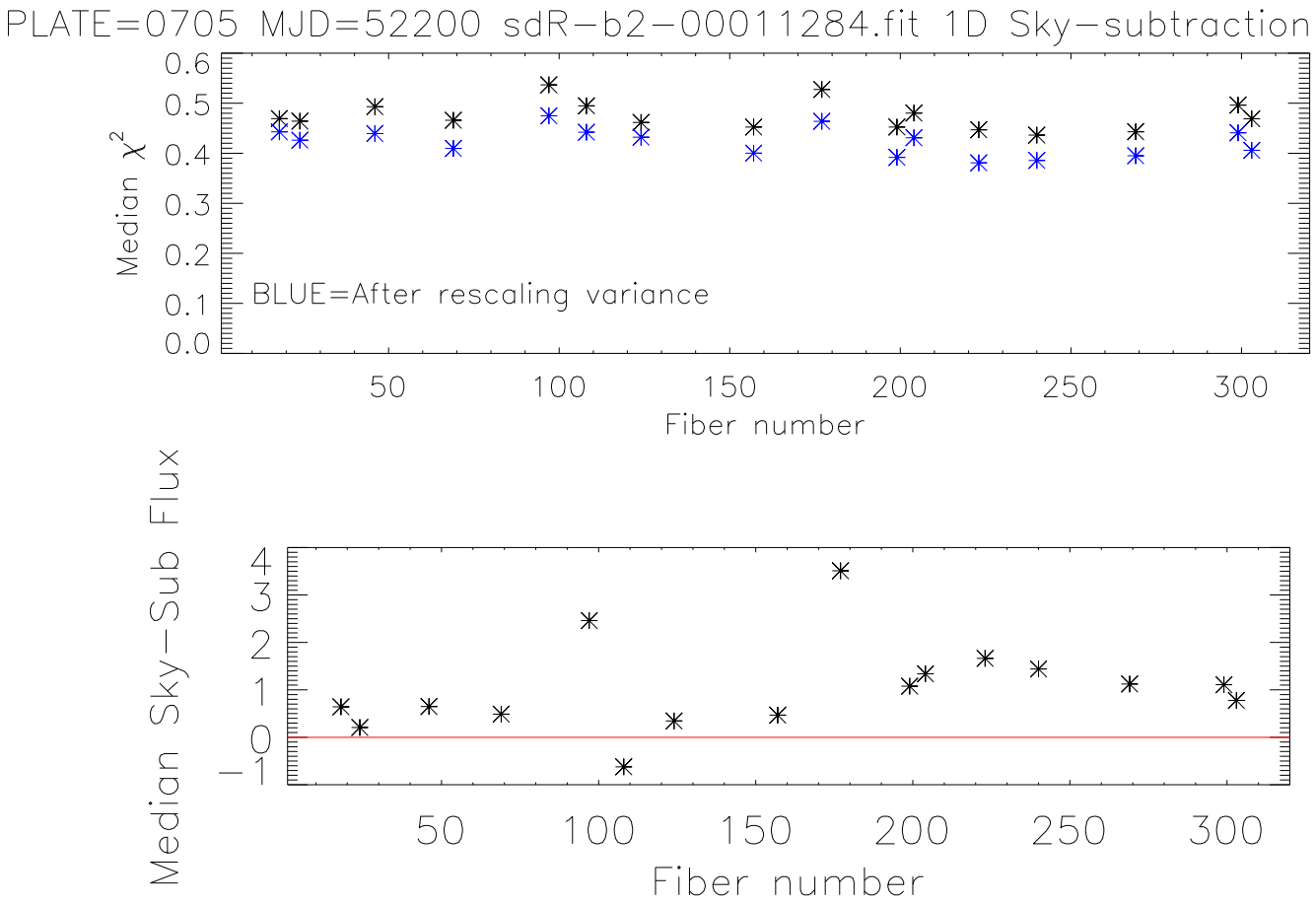

5889.9500
meas − arc
0.3
0.2
0.1
0.0
−0.1
−0.2
0
100
200
300
400

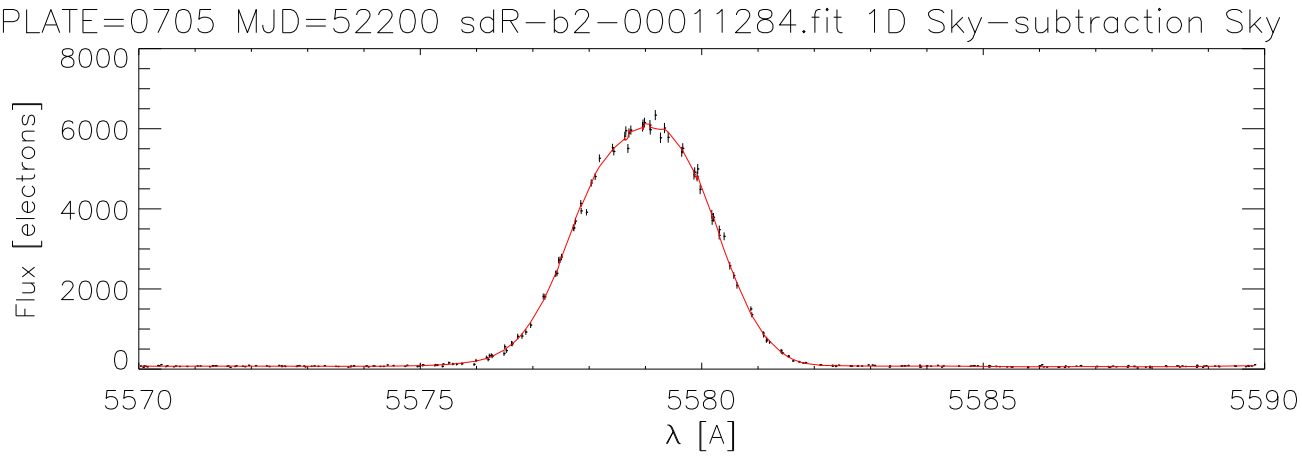

5895.9240
meas − arc
0.4
0.3
0.2
0.1
0.0
−0.1
0
100
200
300
400

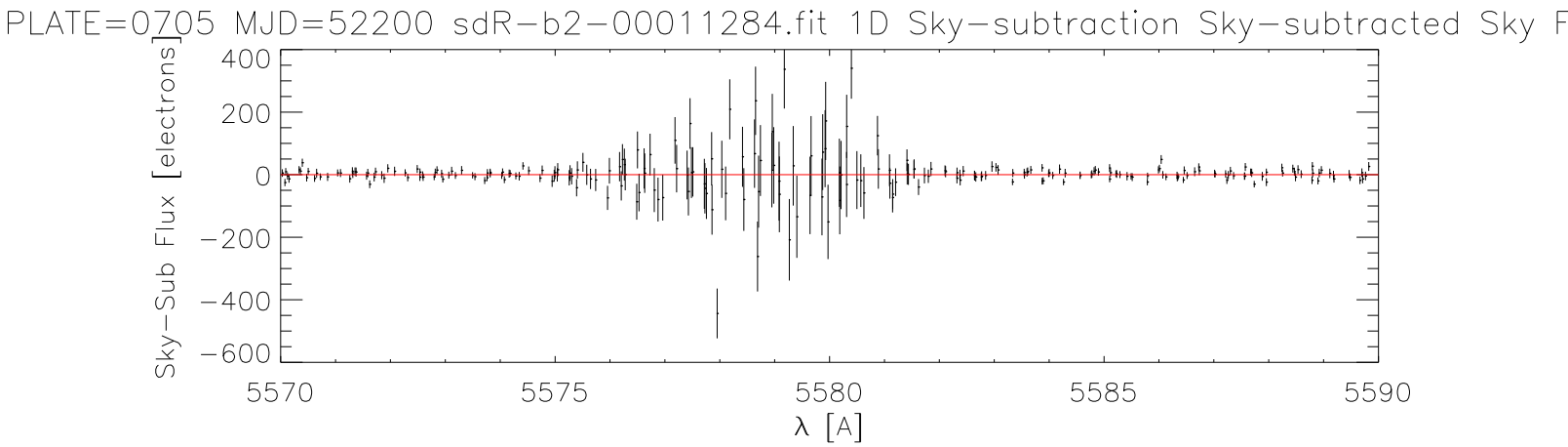

4046.5600
nfib1 16
nfib2 16
stdev 0.084
extra −0.12
4358.3300
nfib1 16
nfib2 16
stdev 0.064
extra −0.11
5460.9400
nfib1 16
nfib2 16
stdev 0.038
extra −0.04
5577.3390
nfib1 16
nfib2 16
stdev 0.016
extra 0.05
5889.9500
nfib1 16
nfib2 16
stdev 0.019
extra 0.10
5895.9240
nfib1 16
nfib2 16
stdev 0.032
extra 0.09
meas − pred, pix
1.0
0.5
0.0
−0.5
−1.0
0
100
200
300
400

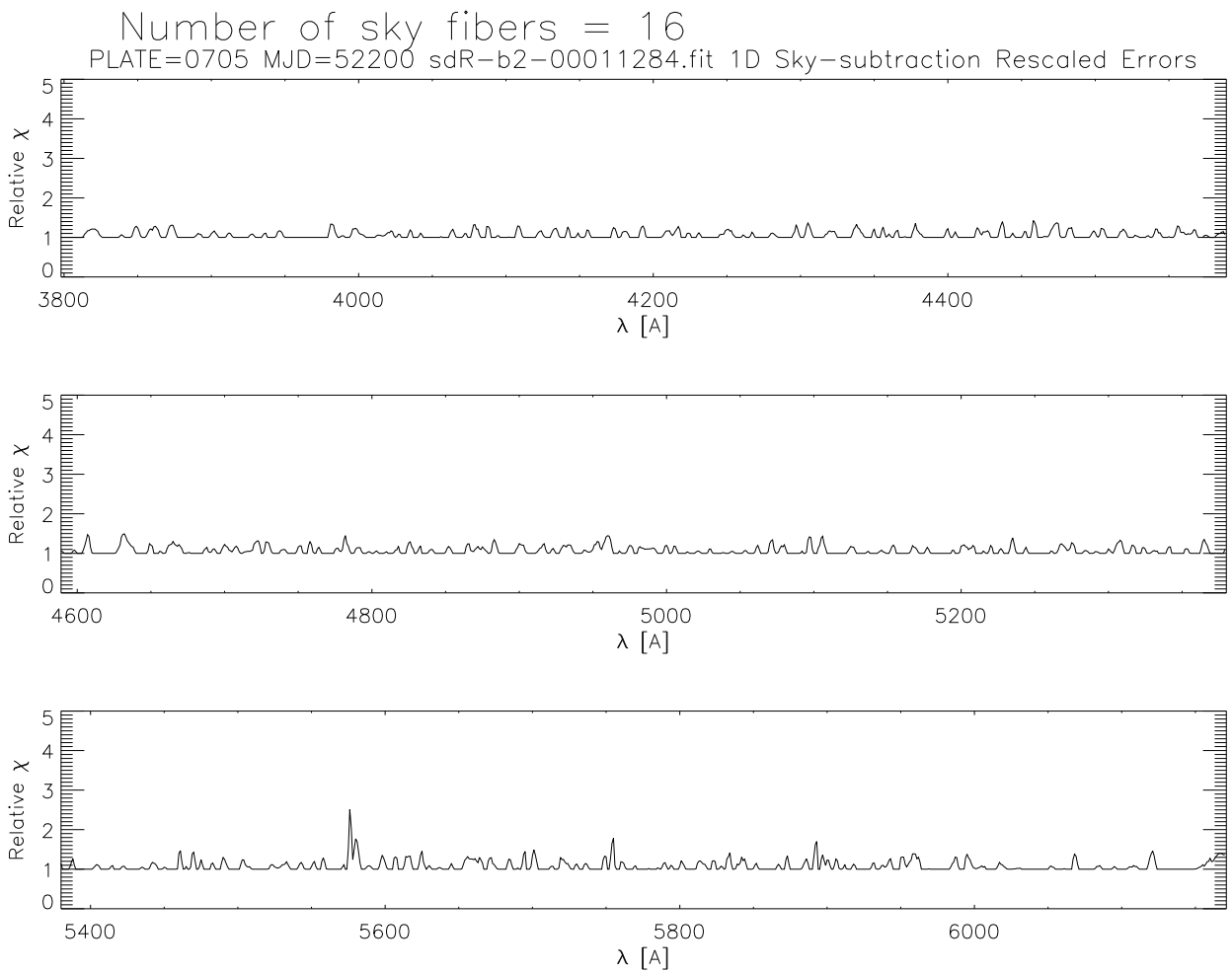

sky shift, pixels
0.10
0.05
0.00
−0.05
−0.10
−0.15
−0.20
3500
4000
4500
5000
5500
6000
6500

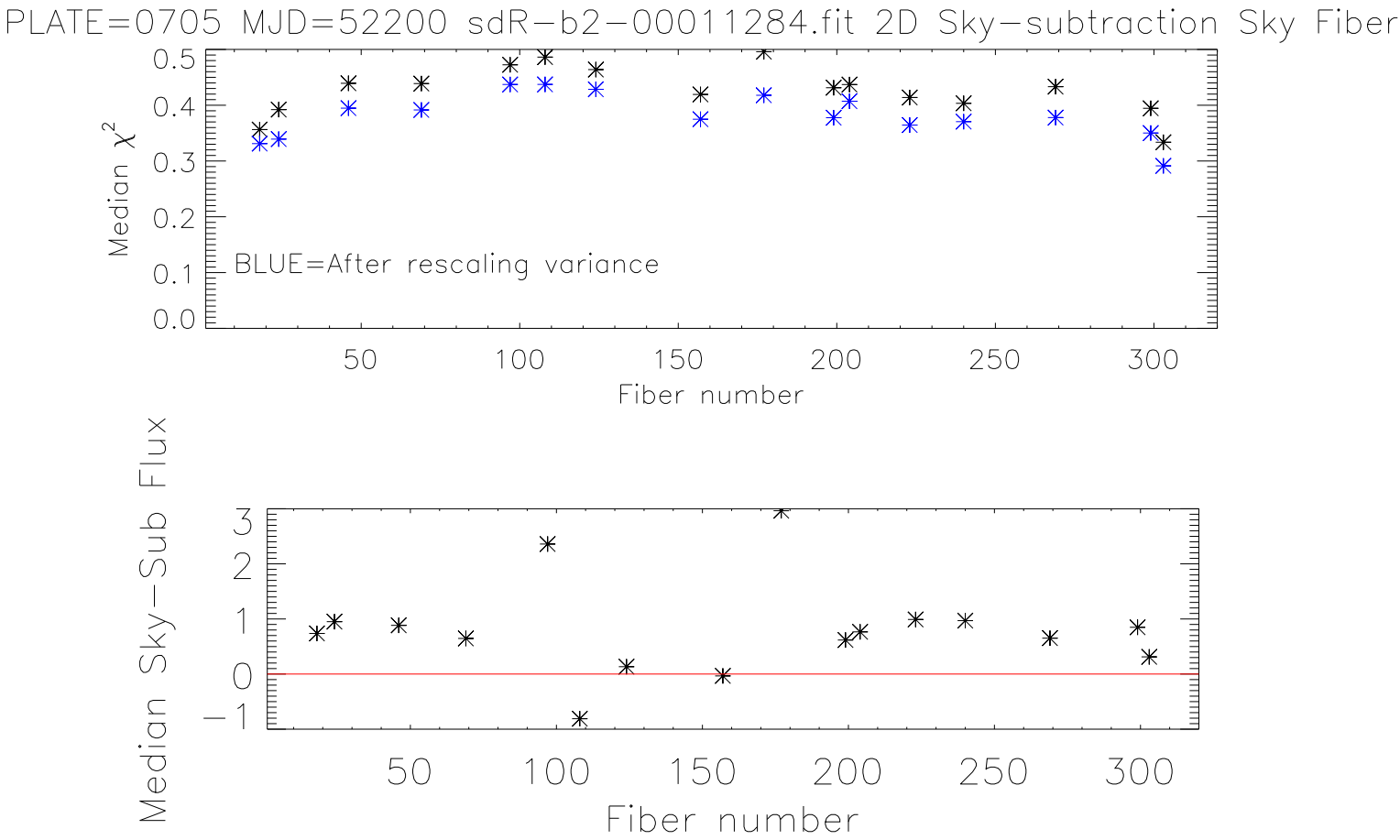

PLATE=0705 MJD=52200 Smooth superflat for sdR-b2-00011284.fit
1.5
1.0
0.5
0.0
1.010
1.005
1.000
0.995
0.990
0.985
0.980
es= −0.0000
4000
4500
5000
5500
6000
Wavelength (Å)

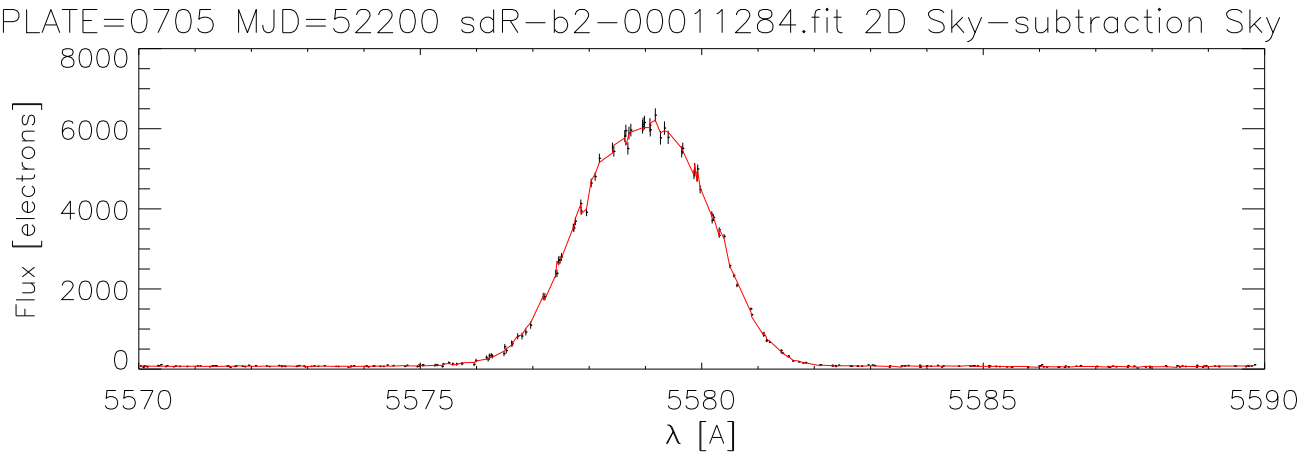

PLATE=0705 MJD=52200 sdR-b2-00011284.fit 1D Sky-subtraction Sky Fiber
Median $\chi^2$
BLUE=After rescaling variance
Fiber number
Median Sky-Sub Flux
Fiber number

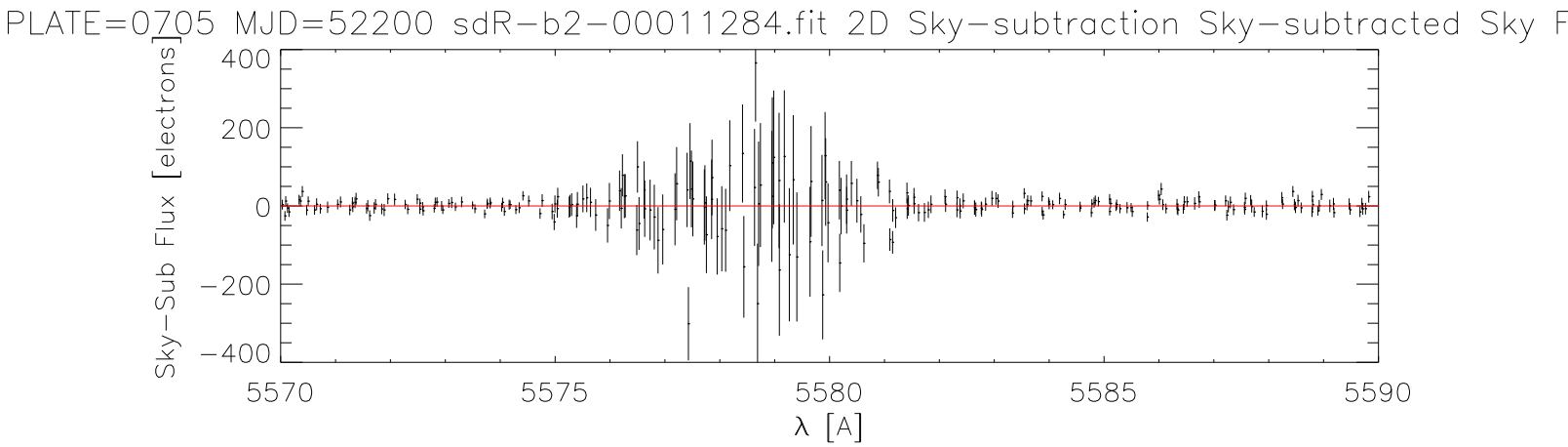

PLATE=0705 MJD=52200 sdR-b2-00011284.fit 1D Sky-subtraction Sky Fibers
Flux [electrons]
8000
6000
4000
2000
0
5570
5575
5580
5585
5590
λ [A]

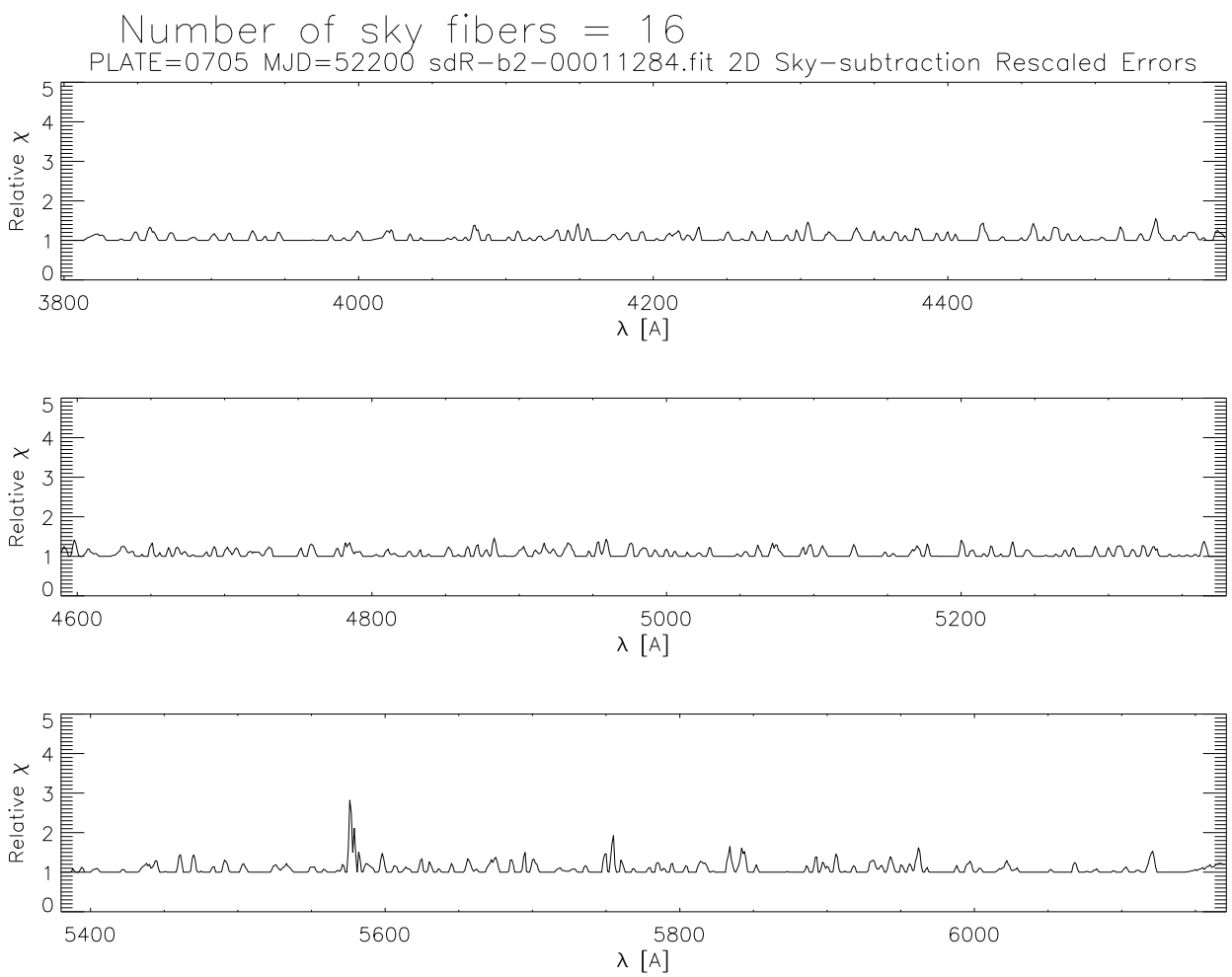

PLATE=0705 MJD=52200 sdR-b2-00011284.fit 1D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
400
200
0
-200
-400
-600
5570
5575
5580
5585
5590
λ [A]

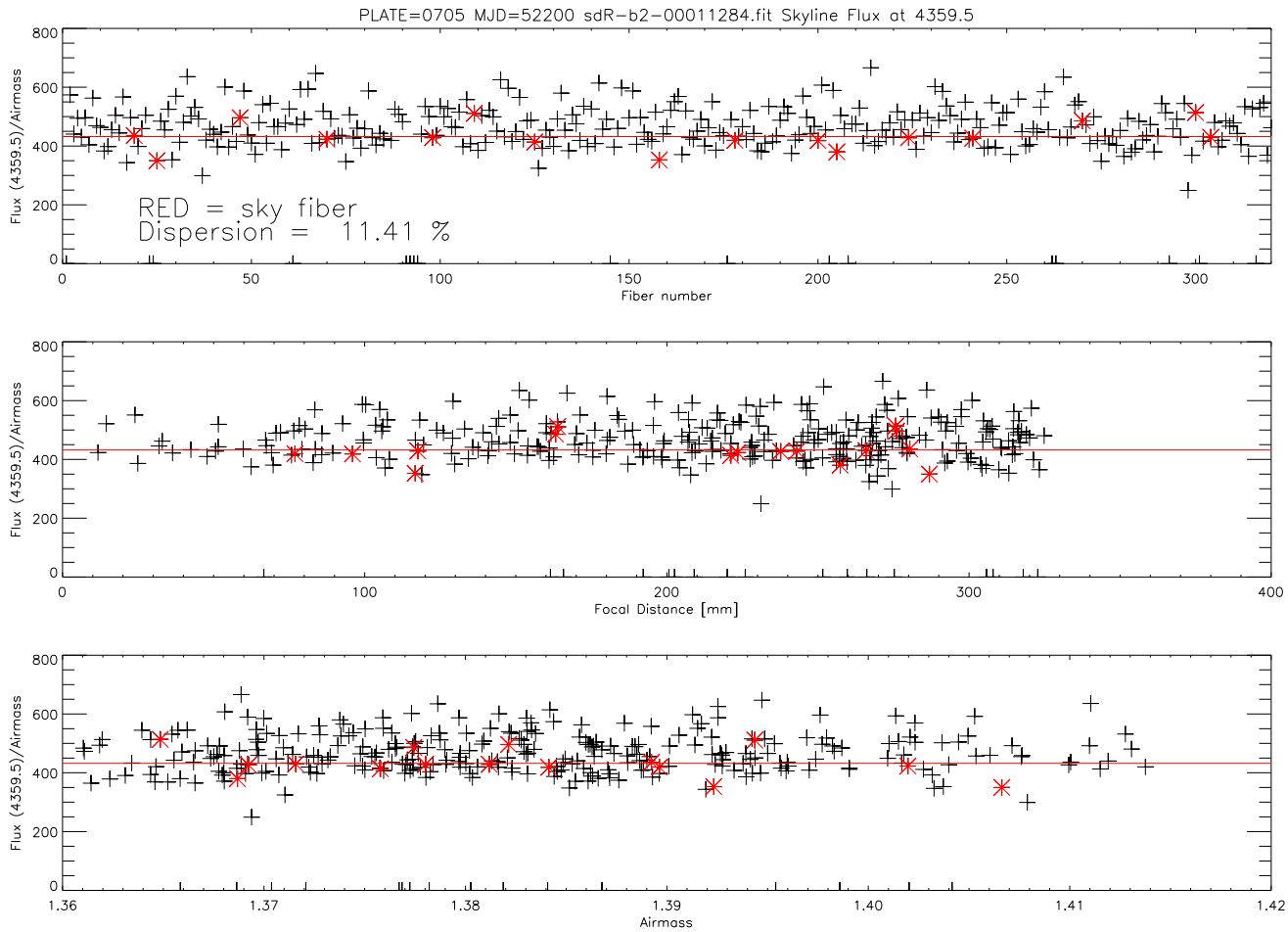

Number of sky fibers = 16
PLATE=0705 MJD=52200 sdR-b2-00011284.fit 1D Sky-subtraction Rescaled Errors
Relative χ
λ [A]
3800
4000
4200
4400
4600
4800
5000
5200
5400
5600
5800
6000

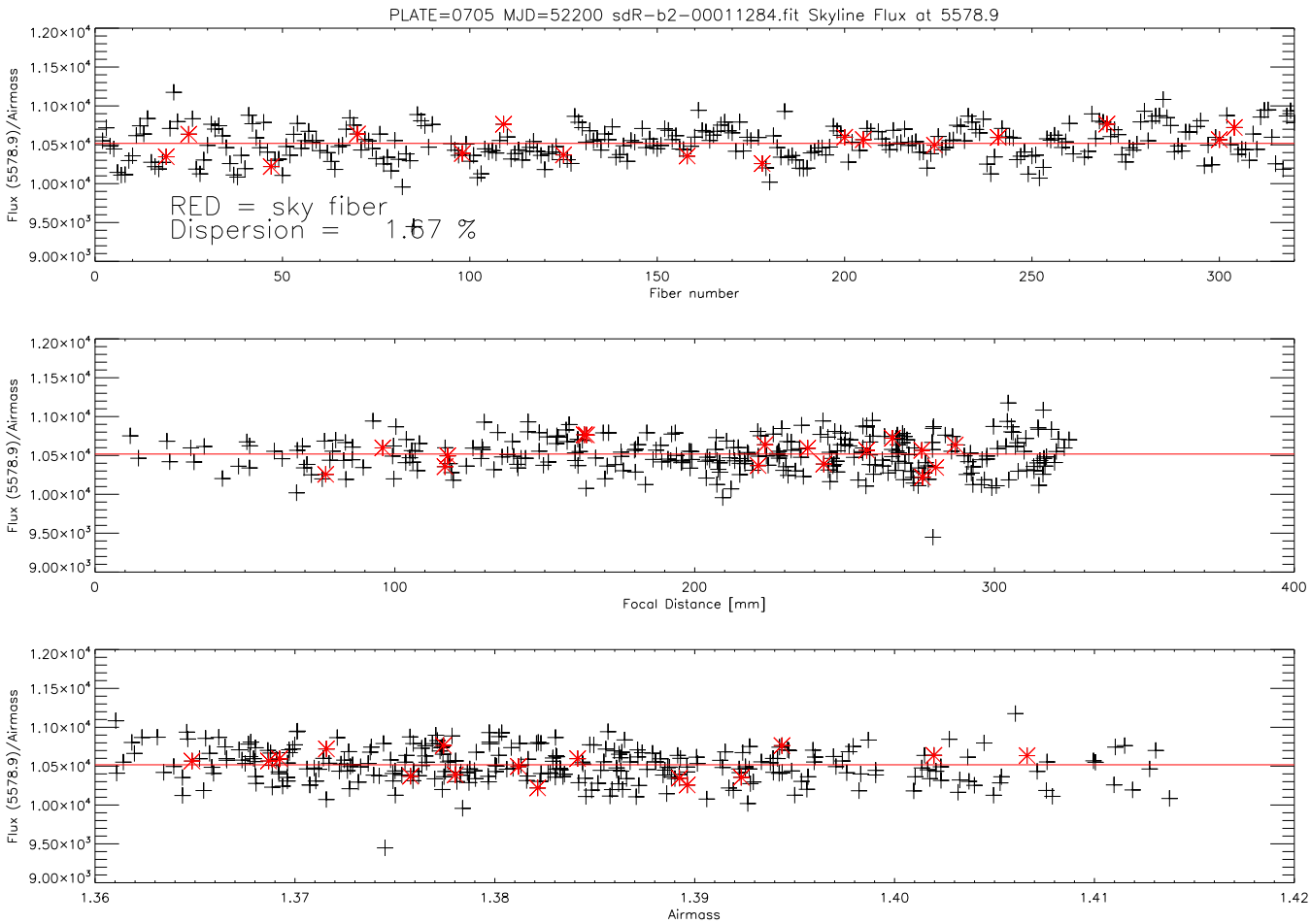

PLATE=0705 MJD=52200 sdR-b2-00011284.fit 2D Sky-subtraction Sky Fiber
Median $\chi^2$
0.0
0.1
0.2
0.3
0.4
0.5
BLUE=After rescaling variance
50
100
150
200
250
300
Fiber number
Median Sky-Sub Flux
−1
0
1
2
3
50
100
150
200
250
300
Fiber number

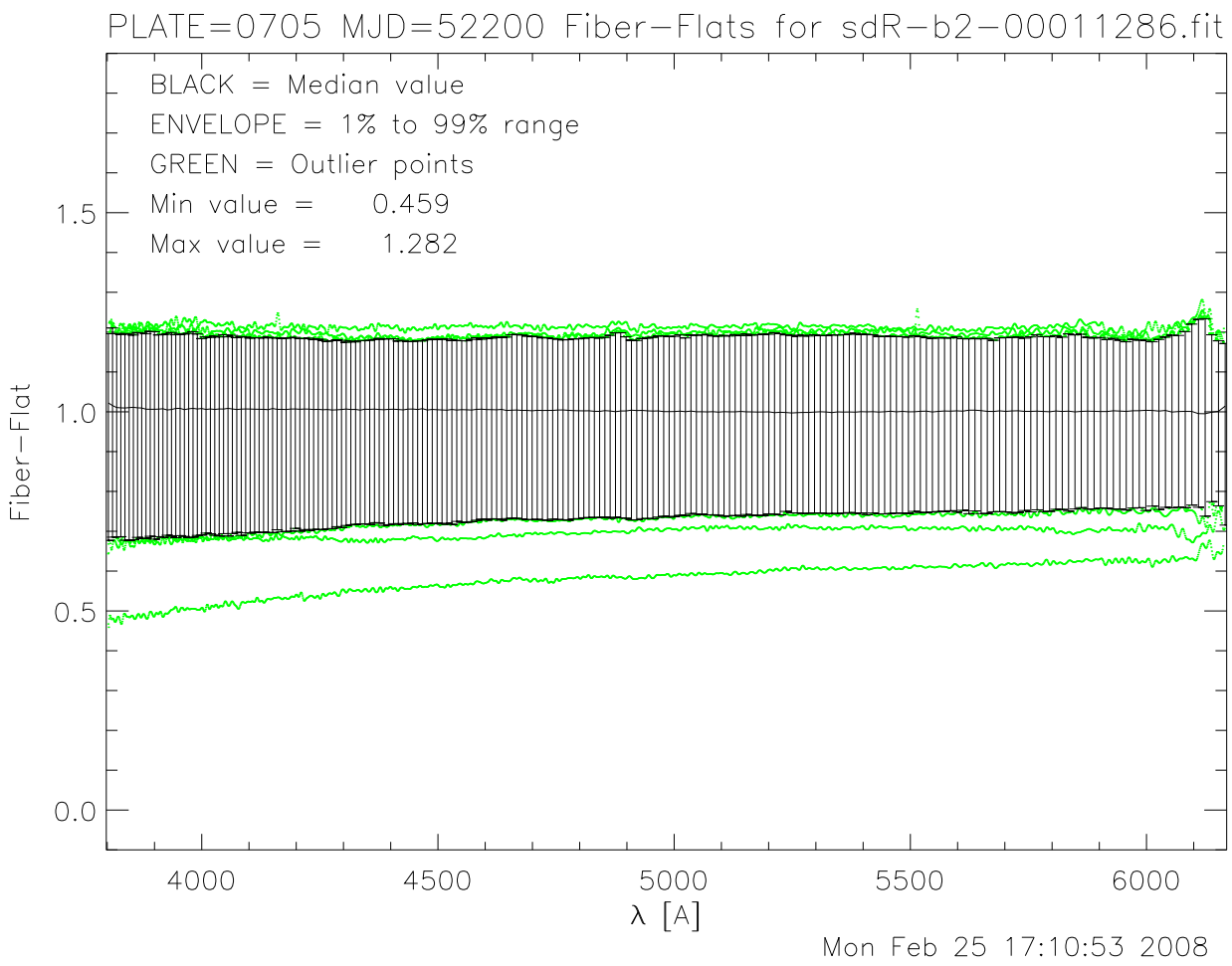

PLATE=0705 MJD=52200 sdR-b2-00011284.fit 2D Sky-subtraction Sky Fibers
Flux [electrons]
8000
6000
4000
2000
0
5570
5575
5580
5585
5590
λ [A]

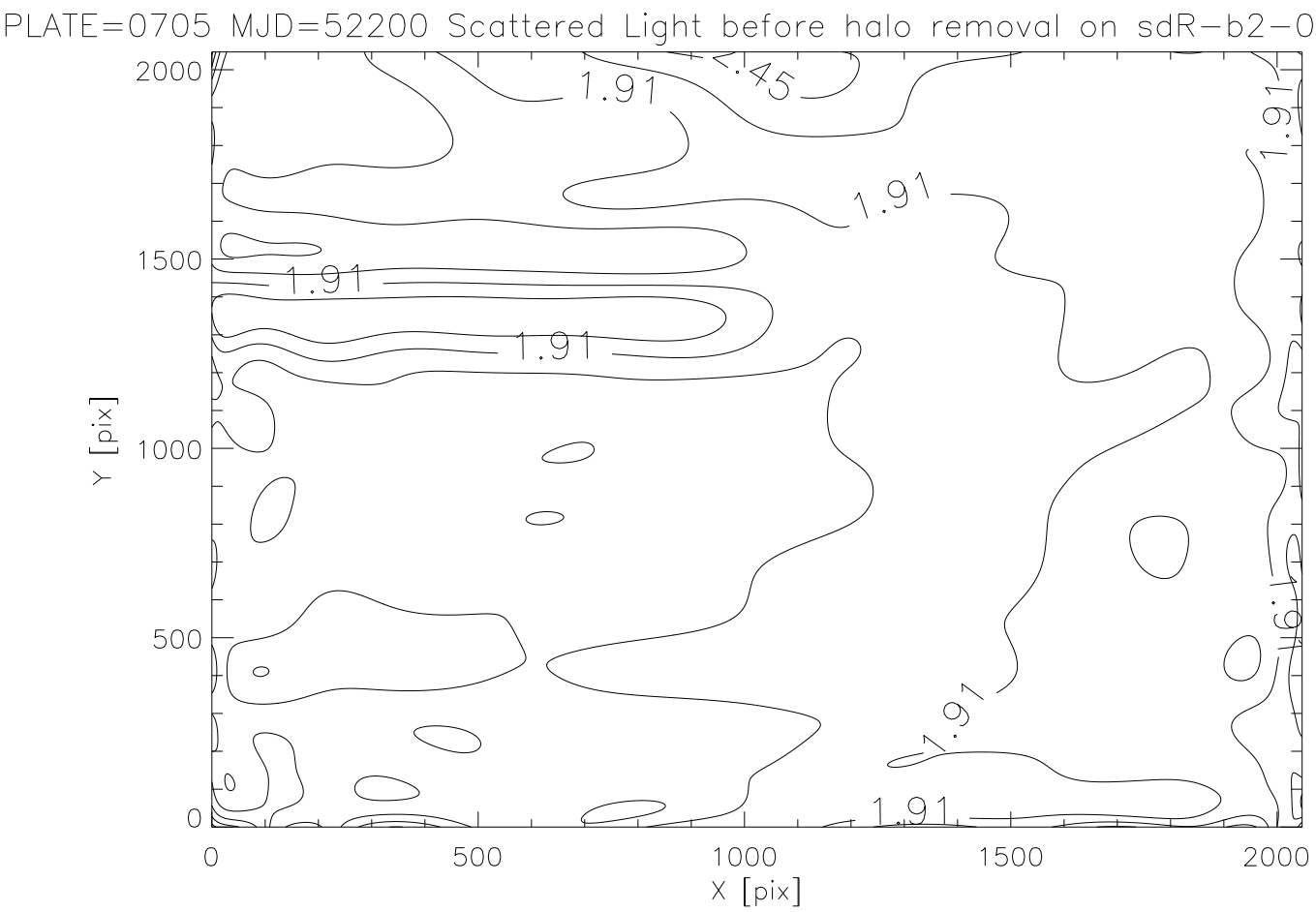

PLATE=0705 MJD=52200 sdR-b2-00011284.fit 2D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
400
200
0
-200
-400
5570
5575
5580
5585
5590
λ [A]

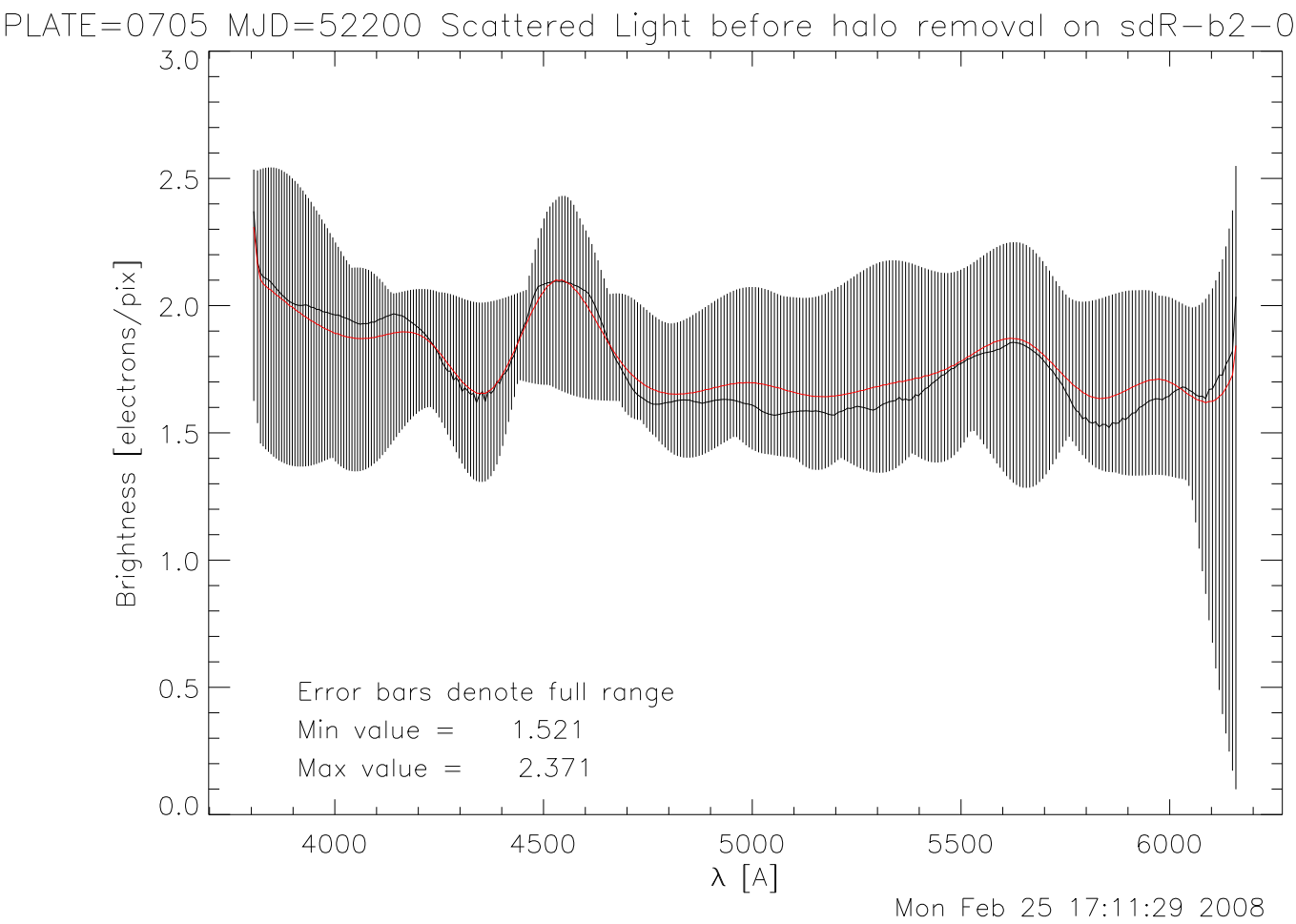

Number of sky fibers = 16
PLATE=0705 MJD=52200 sdR-b2-00011284.fit 2D Sky-subtraction Rescaled Errors
Relative χ
λ [A]
3800
4000
4200
4400
4600
4800
5000
5200
5400
5600
5800
6000

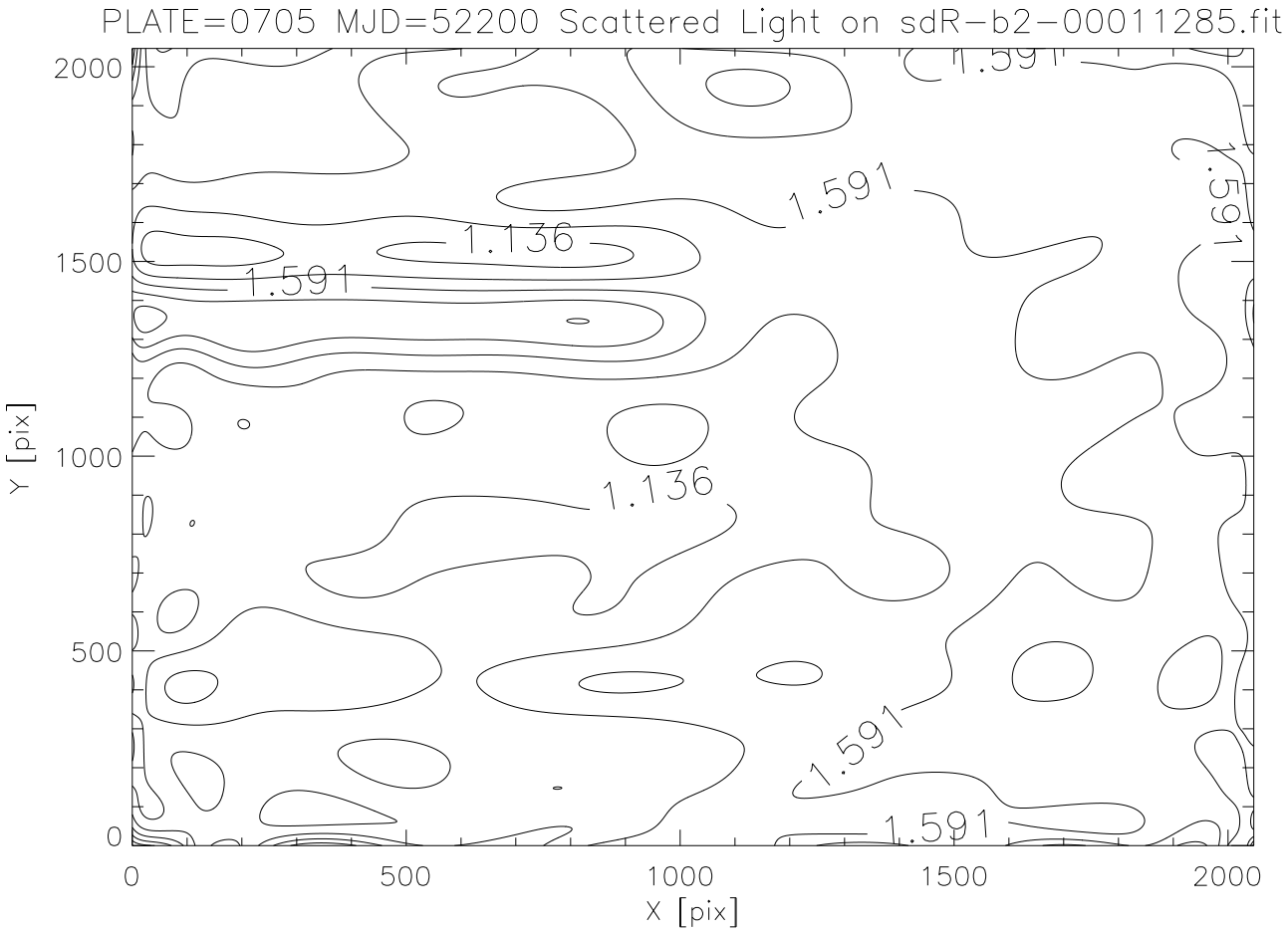

PLATE=0705 MJD=52200 sdR-b2-00011284.fit Skyline Flux at 4359.5
Flux (4359.5)/Airmass
RED = sky fiber
Dispersion = 11.41 %
Fiber number
Flux (4359.5)/Airmass
Focal Distance [mm]
Flux (4359.5)/Airmass
Airmass

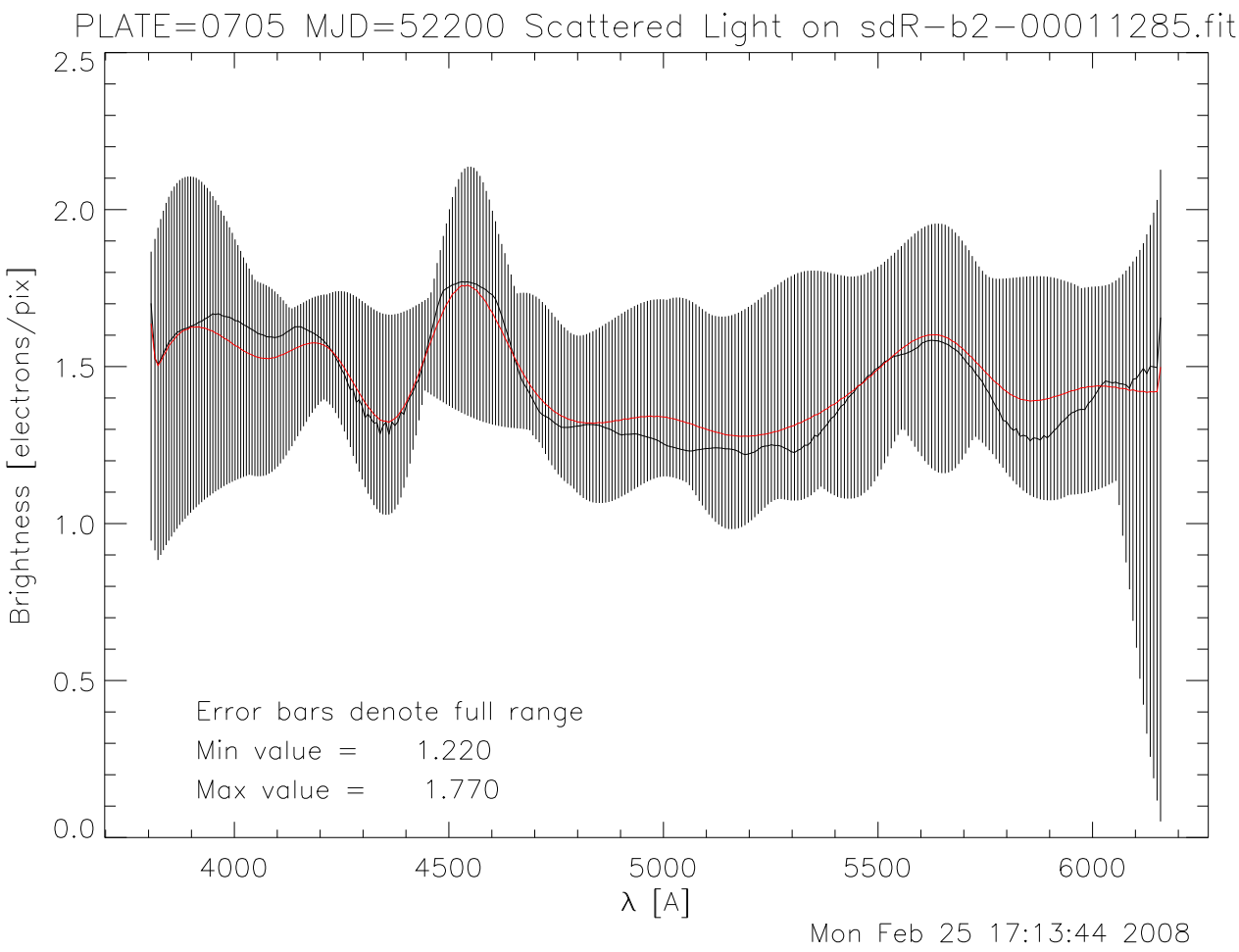

PLATE=0705 MJD=52200 sdR-b2-00011284.fit Skyline Flux at 5578.9
Flux (5578.9)/Airmass
RED = sky fiber
Dispersion = 1.67 %
Fiber number
Focal Distance [mm]
Airmass

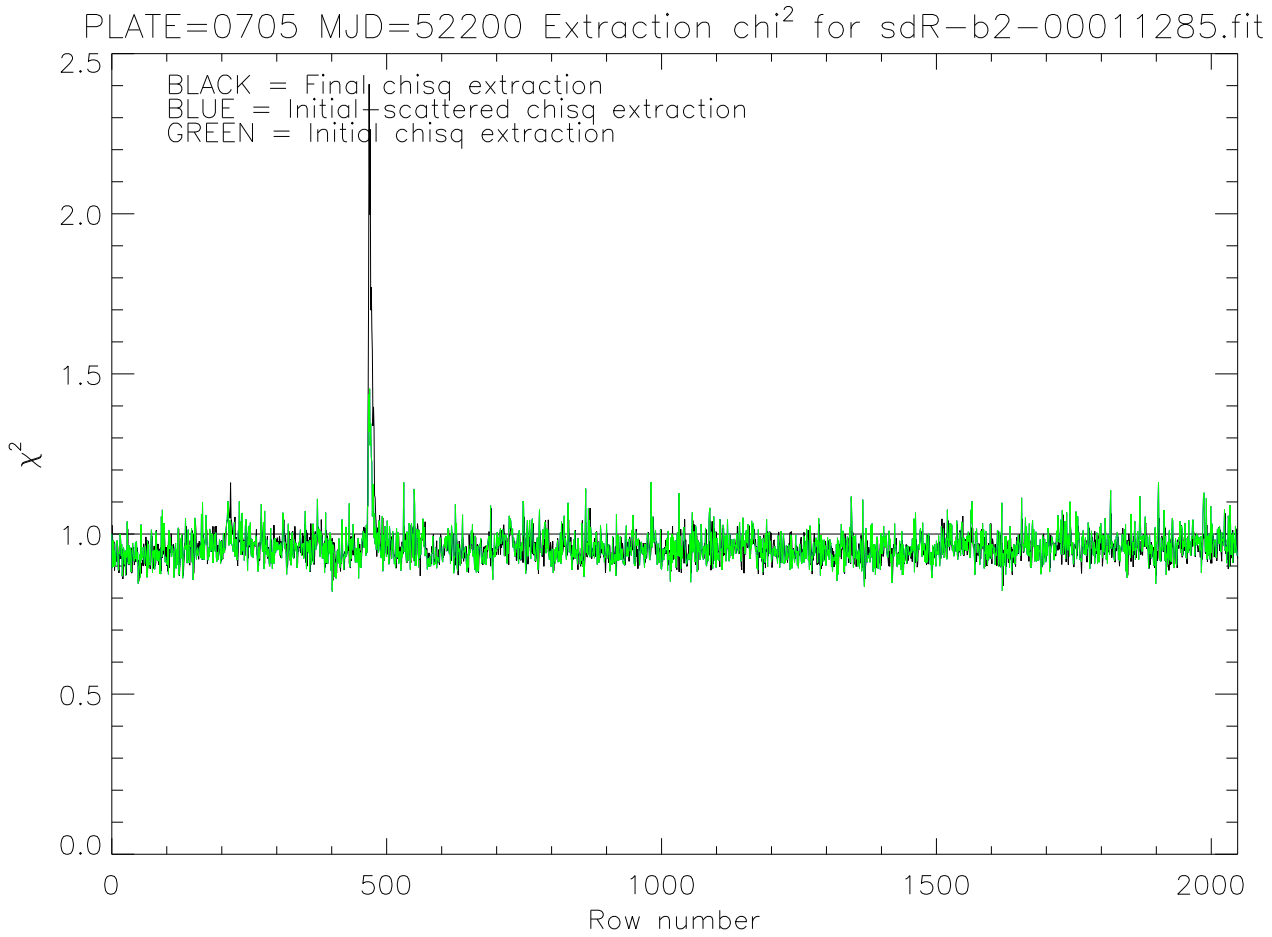

PLATE=0705 MJD=52200 Fiber-Flats for sdR-b2-00011286.fit
BLACK = Median value
ENVELOPE = 1% to 99% range
GREEN = Outlier points
Min value = 0.459
Max value = 1.282
Fiber-Flat
1.5
1.0
0.5
0.0
4000
4500
5000
5500
6000
λ [A]
Mon Feb 25 17:10:53 2008

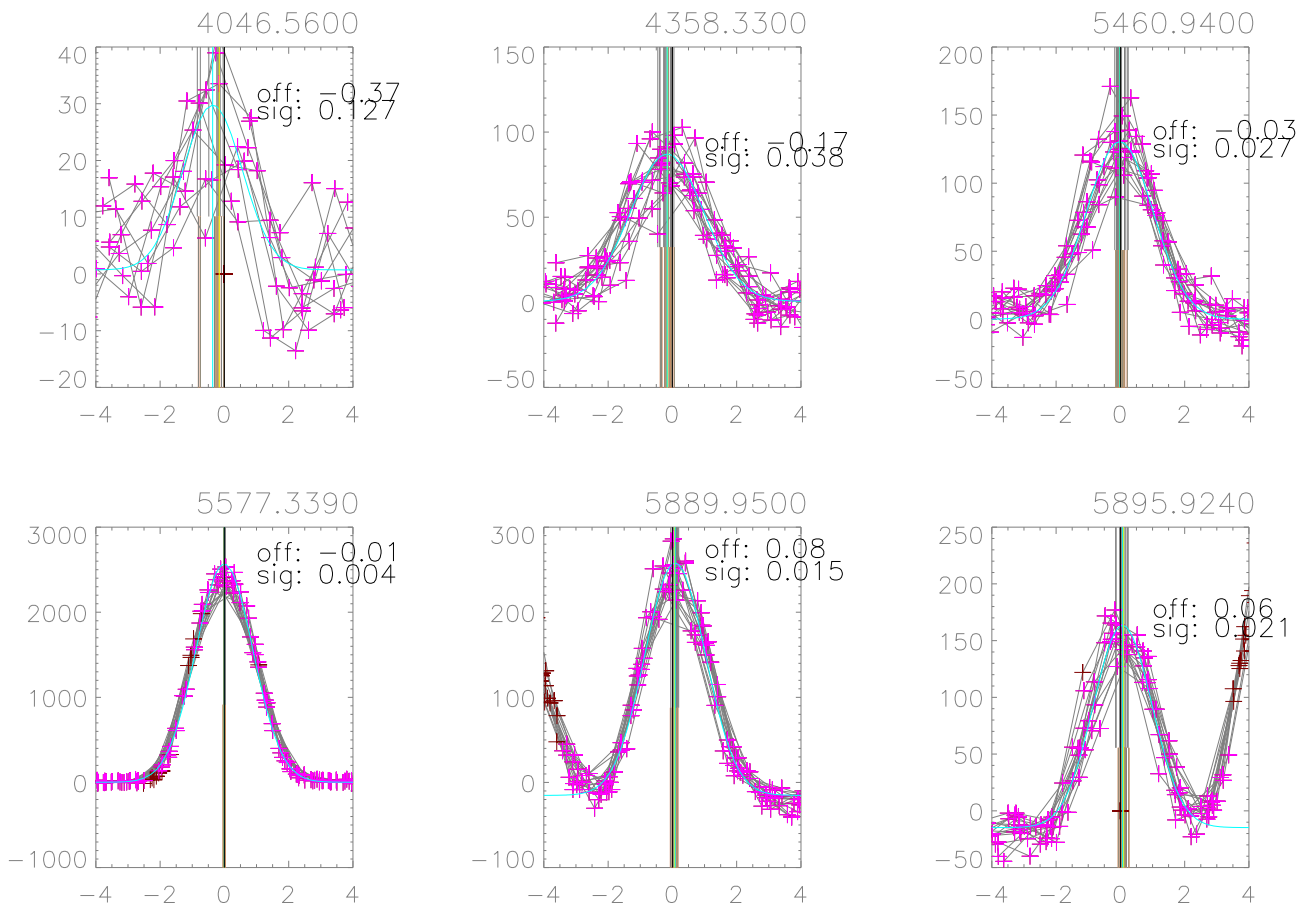

PLATE=0705 MJD=52200 Scattered Light before halo removal on sdR−b2−00011285.f
1.91
1.91
1.91
1.91
1.91
1.91
1.91
1.91
2000
1500
1000
500
0
Y [pix]
0
500
1000
1500
2000
X [pix]

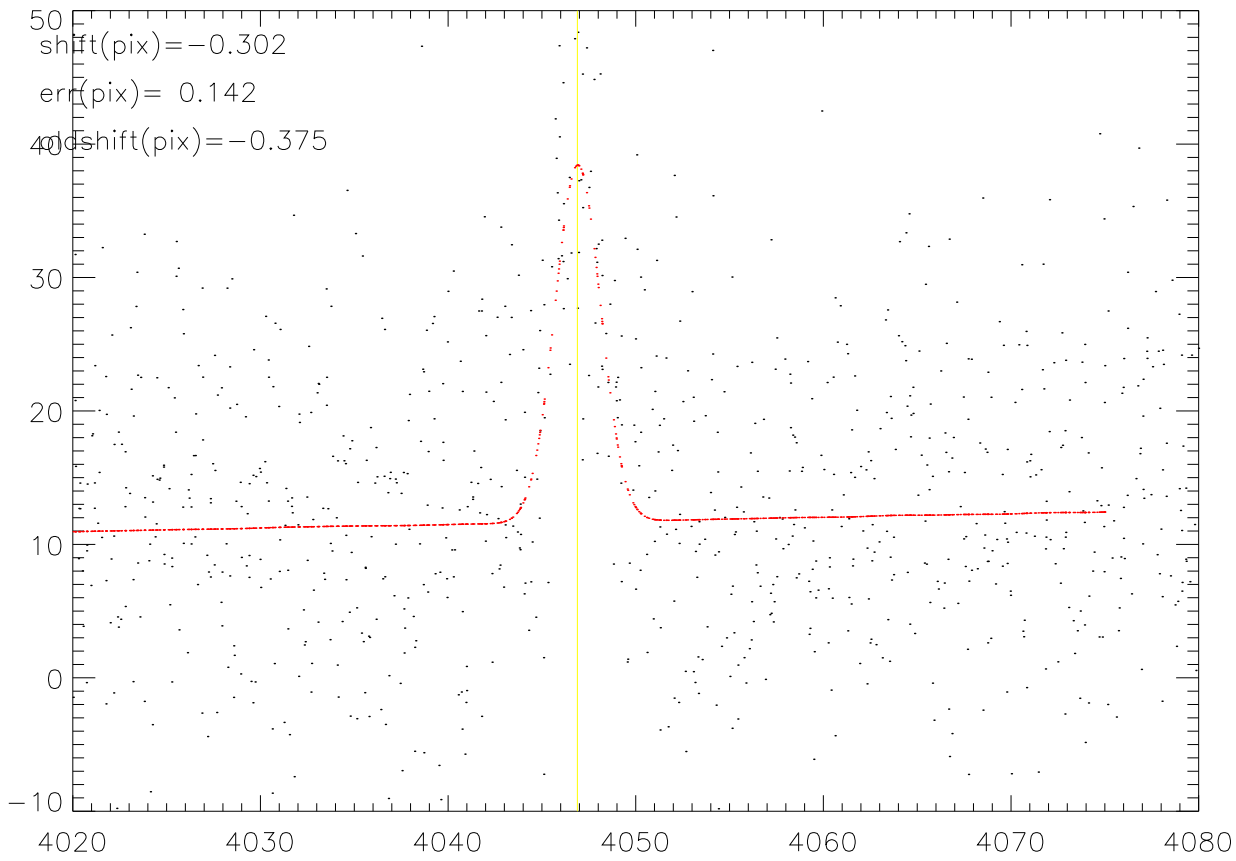

PLATE=0705 MJD=52200 Scattered Light before halo removal on sdR-b2-00011285.f
Brightness [electrons/pix]
3.0
2.5
2.0
1.5
1.0
0.5
0.0
Error bars denote full range
Min value = 1.521
Max value = 2.371
4000
4500
5000
5500
6000
λ [A]
Mon Feb 25 17:11:29 2008

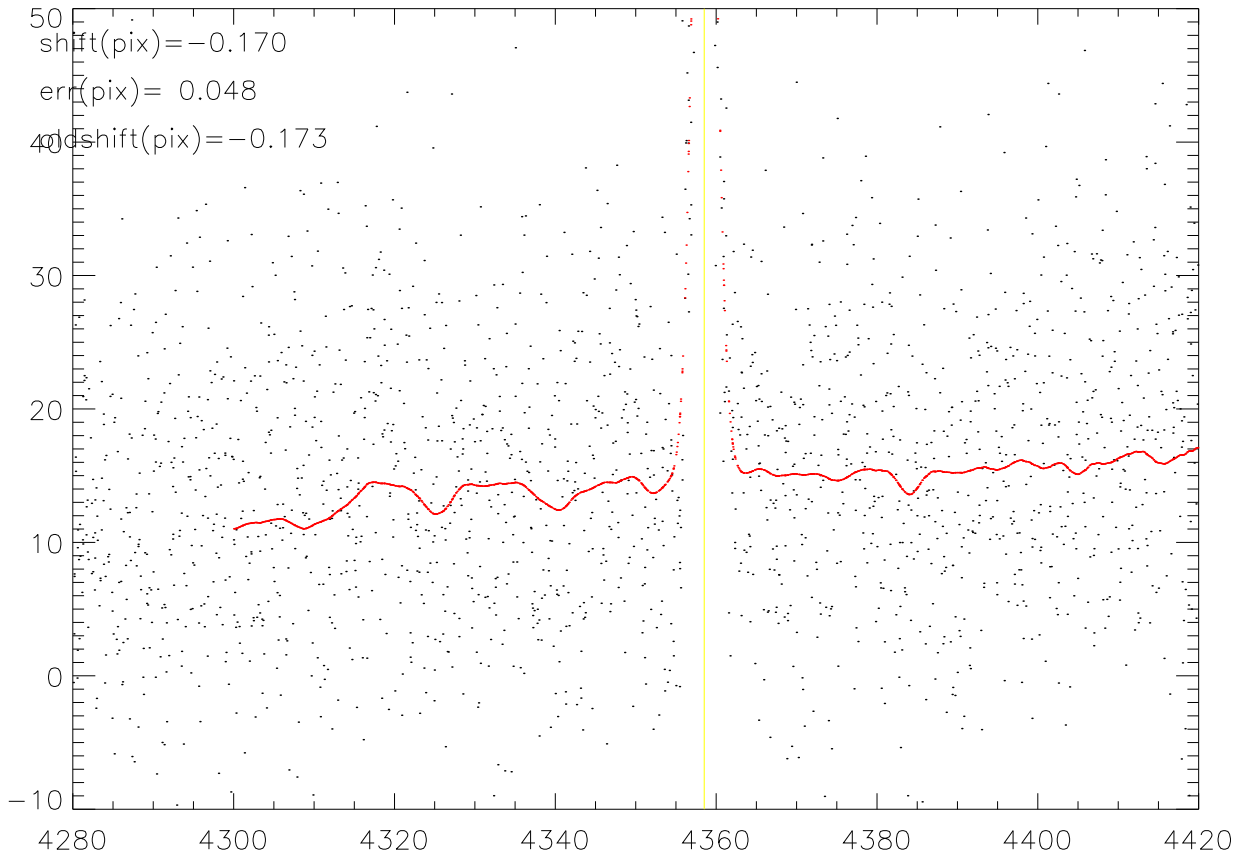

PLATE=0705 MJD=52200 Scattered Light on sdR-b2-00011285.fit
1.591
1.591
1.591
1.136
1.591
1.136
1.591
1.591
2000
1500
1000
500
0
Y [pix]
0
500
1000
1500
2000
X [pix]

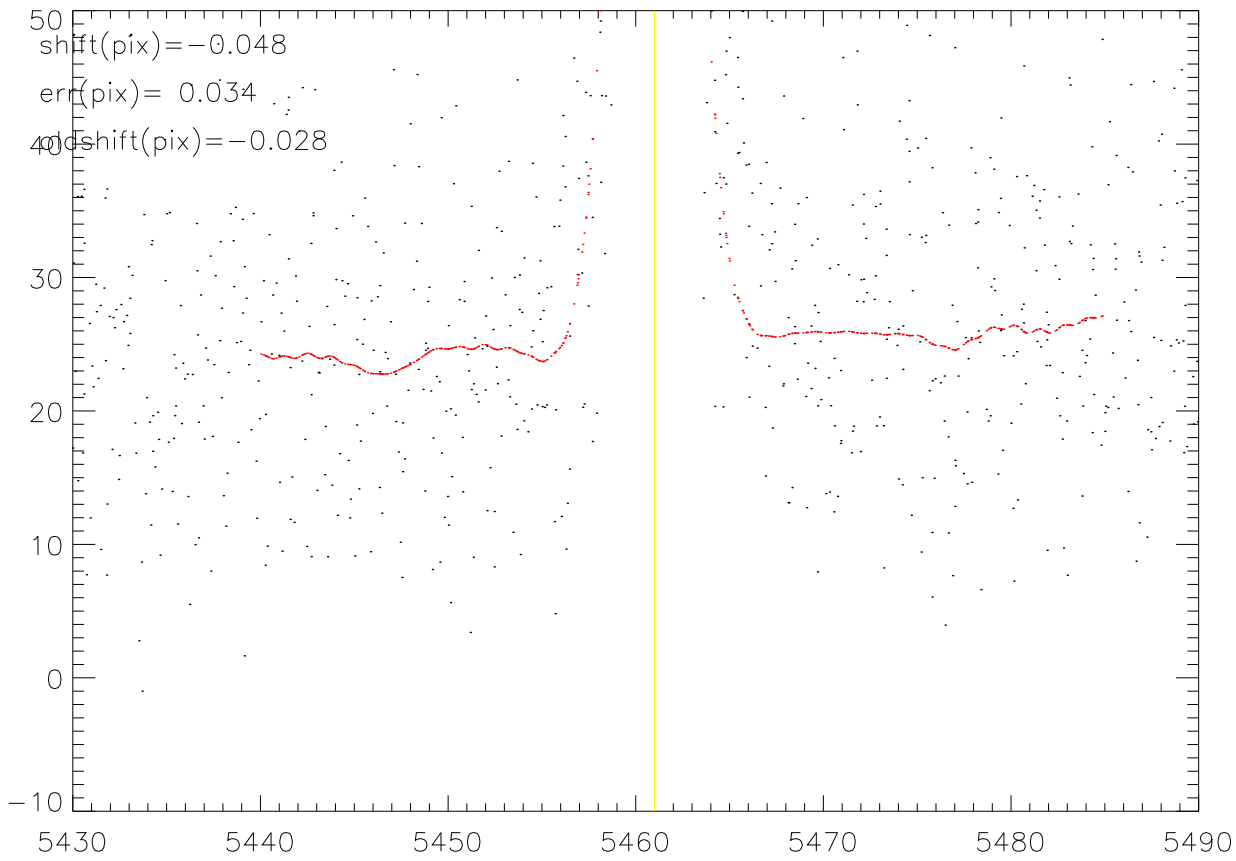

PLATE=0705 MJD=52200 Scattered Light on sdR-b2-00011285.fit
Brightness [electrons/pix]
2.5
2.0
1.5
1.0
0.5
0.0
Error bars denote full range
Min value = 1.220
Max value = 1.770
4000
4500
5000
5500
6000
λ [A]
Mon Feb 25 17:13:44 2008

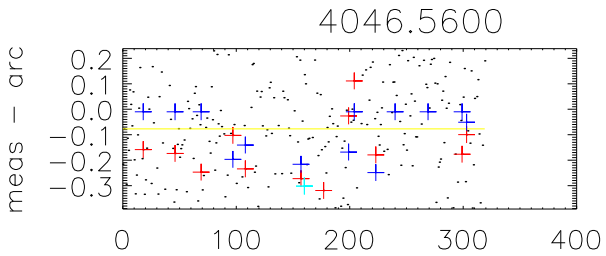

PLATE=0705 MJD=52200 Extraction chi$^2$ for sdR-b2-00011285.fit
BLACK = Final chisq extraction
BLUE = Initial-scattered chisq extraction
GREEN = Initial chisq extraction
$\chi^2$
2.5
2.0
1.5
1.0
0.5
0.0
0
500
1000
1500
2000
Row number

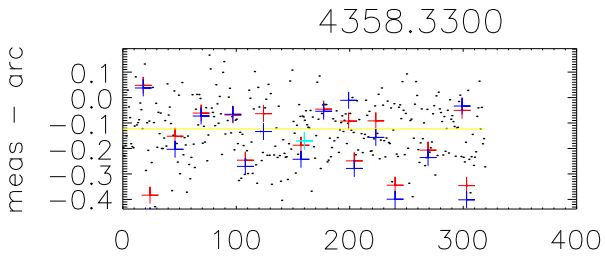

4046.5600
off: −0.37
sig: 0.127
4358.3300
off: −0.17
sig: 0.038
5460.9400
off: −0.03
sig: 0.027
5577.3390
off: −0.01
sig: 0.004
5889.9500
off: 0.08
sig: 0.015
5895.9240
off: 0.06
sig: 0.021

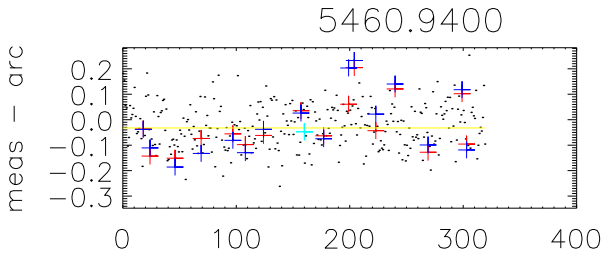

shift(pix)=−0.302
err(pix)= 0.142
oldshift(pix)=−0.375
50
40
30
20
10
0
−10
4020
4030
4040
4050
4060
4070
4080

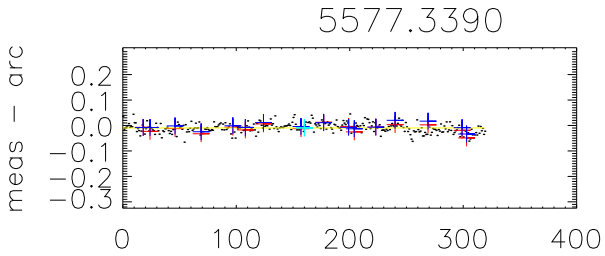

shift(pix)=−0.170
err(pix)= 0.048
oldshift(pix)=−0.173
50
40
30
20
10
0
−10
4280
4300
4320
4340
4360
4380
4400
4420

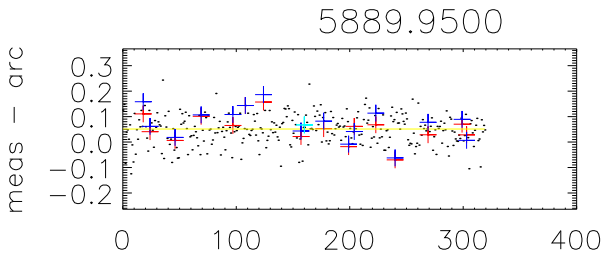

shift(pix)=−0.048
err(pix)= 0.034
oldshift(pix)=−0.028
50
40
30
20
10
0
−10
5430
5440
5450
5460
5470
5480
5490

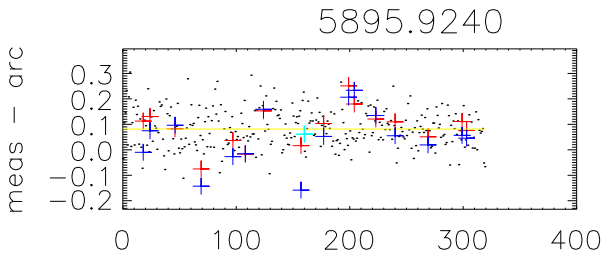

4046.5600
meas − arc
0.2
0.1
0.0
−0.1
−0.2
−0.3
0
100
200
300
400

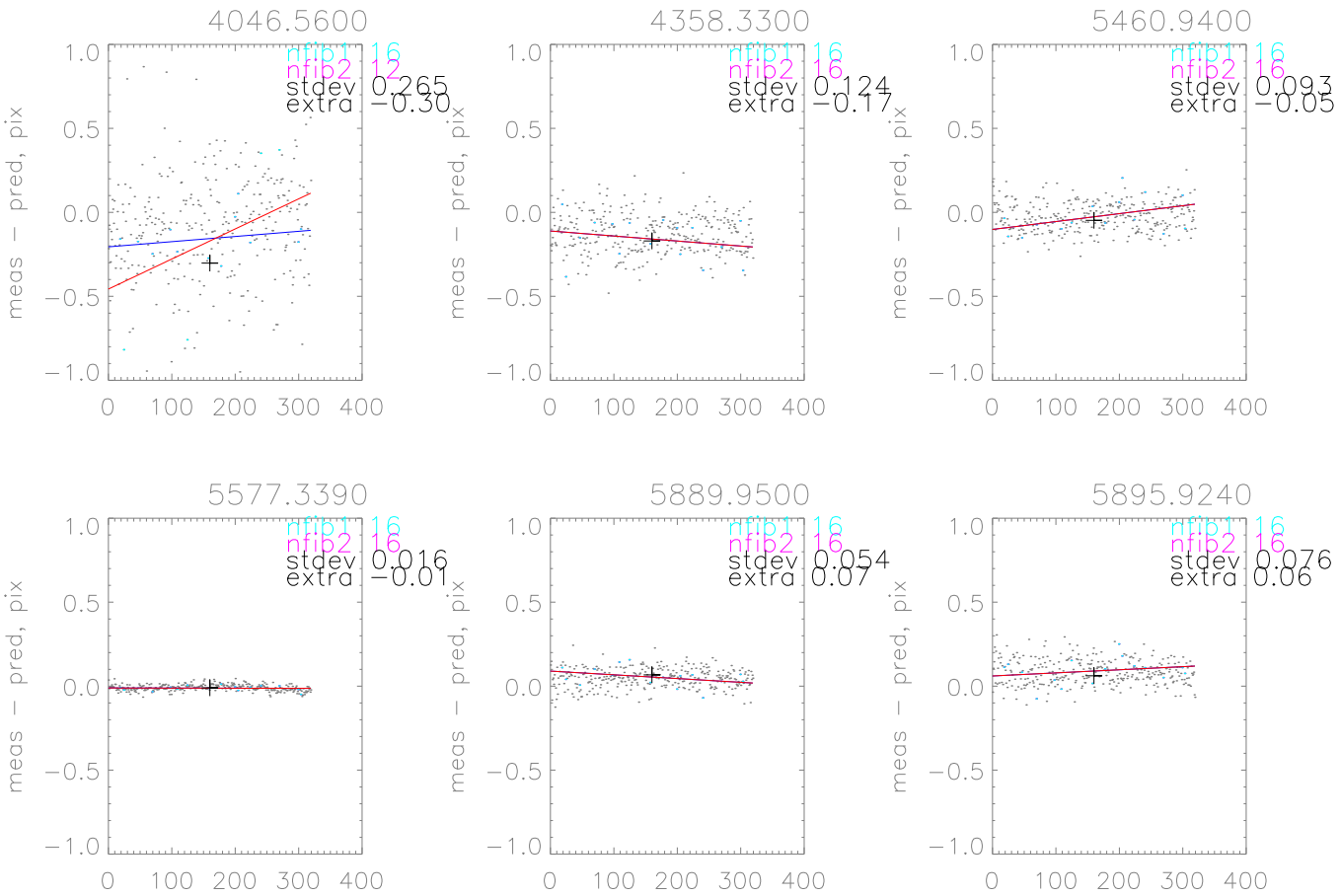

4358.3300
meas − arc
0.1
0.0
−0.1
−0.2
−0.3
−0.4
0
100
200
300
400

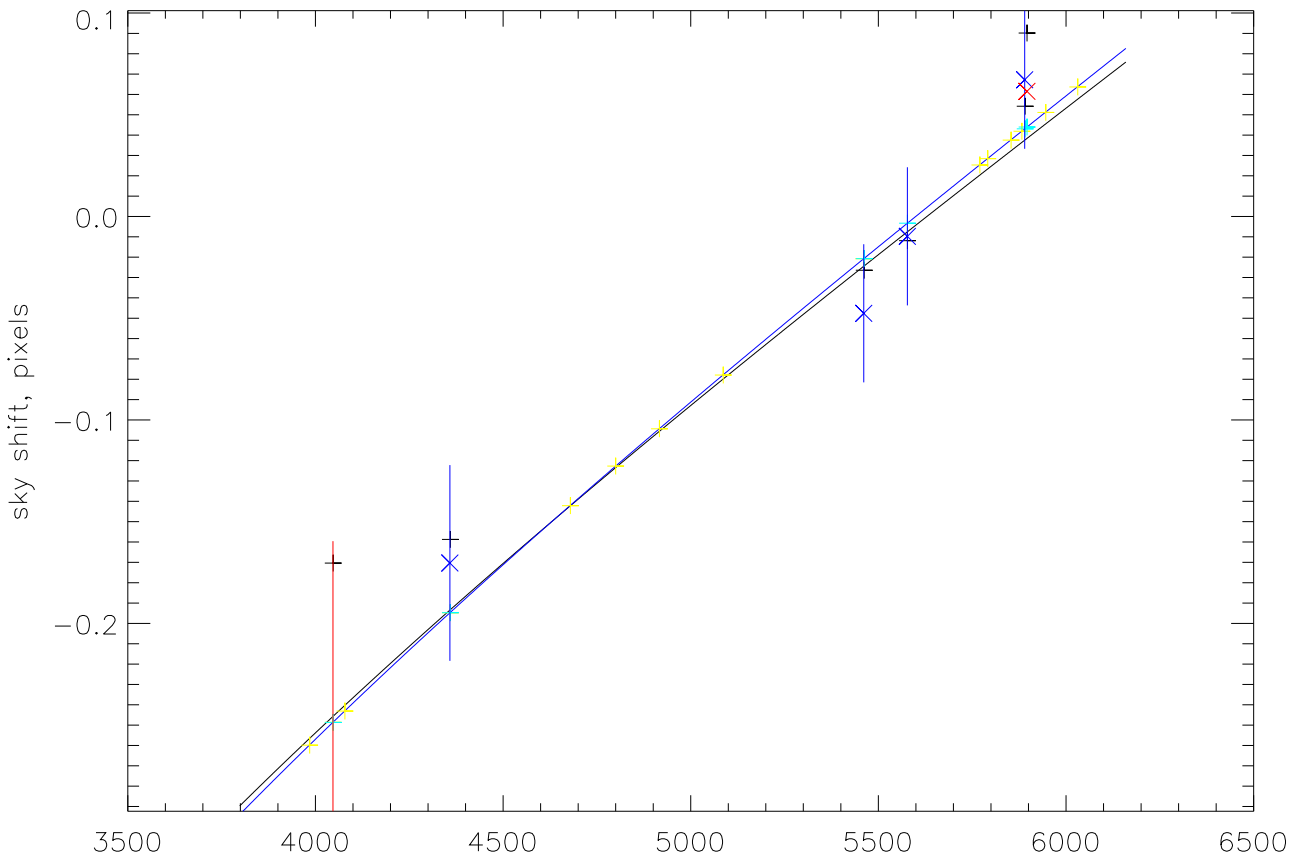

5460.9400
meas − arc
0.2
0.1
0.0
−0.1
−0.2
−0.3
0
100
200
300
400

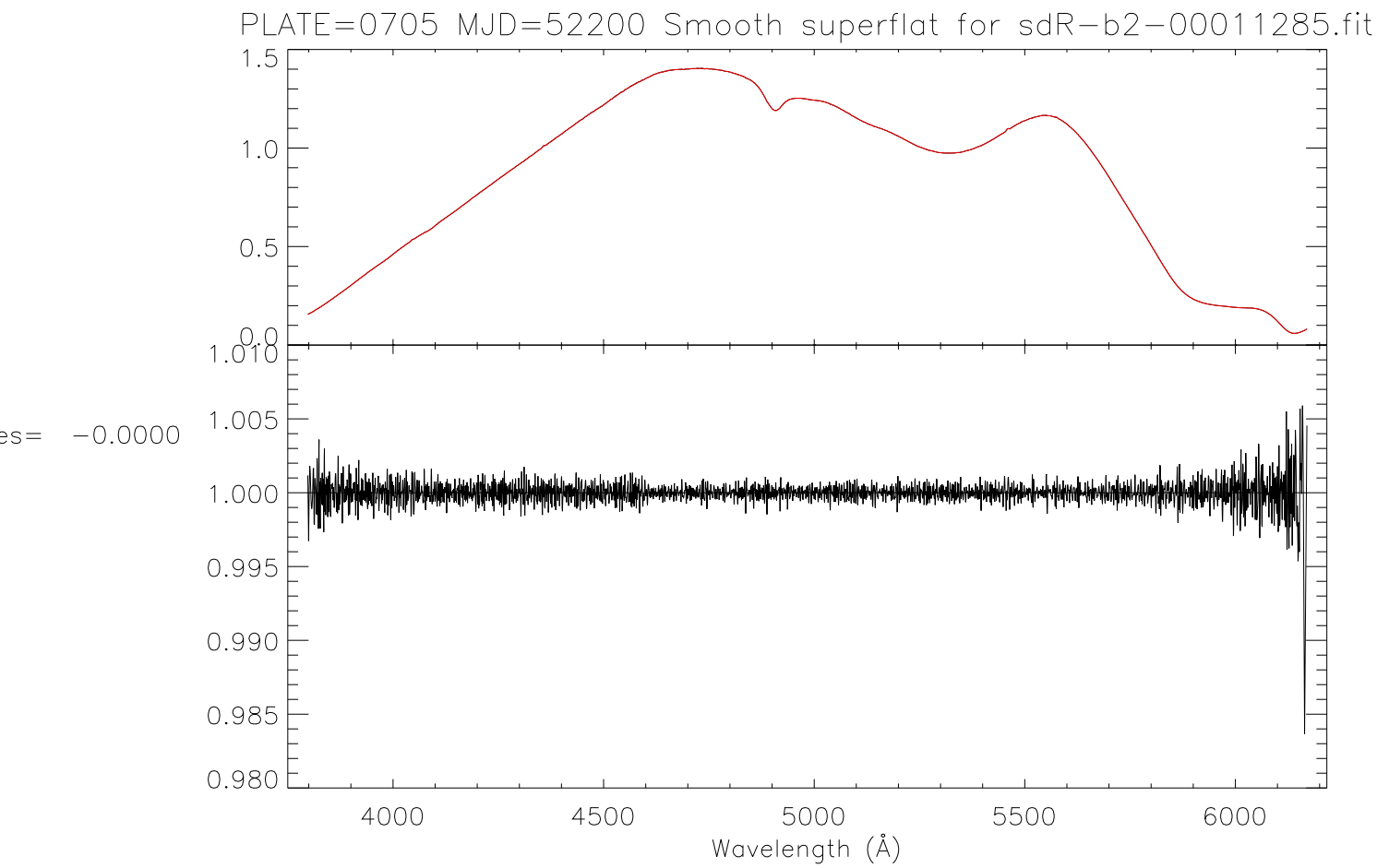

5577.3390
meas − arc
0.2
0.1
0.0
−0.1
−0.2
−0.3
0
100
200
300
400

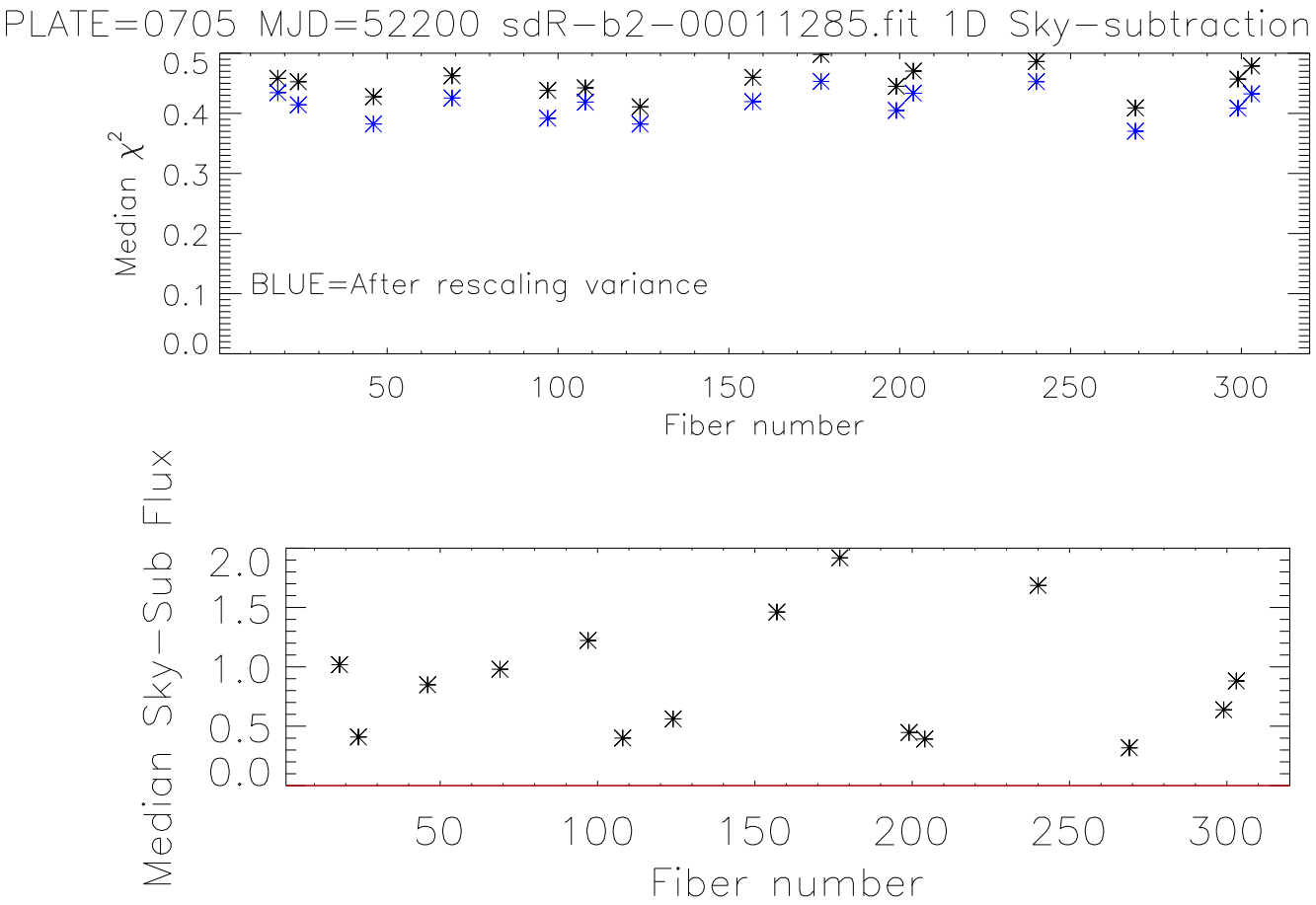

5889.9500
meas − arc
0.3
0.2
0.1
0.0
−0.1
−0.2
0
100
200
300
400

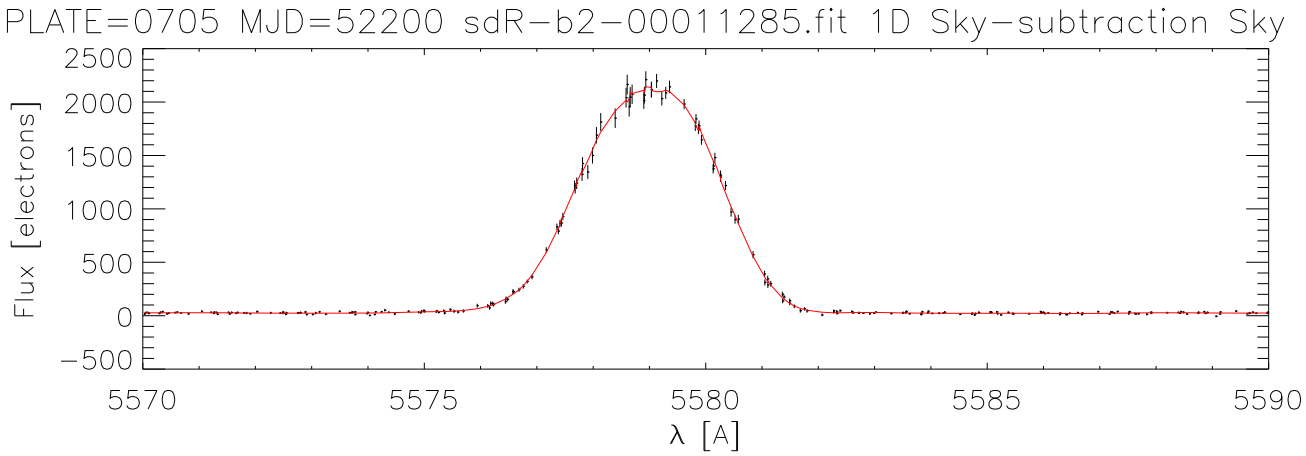

5895.9240
meas − arc
0.3
0.2
0.1
0.0
−0.1
−0.2
0
100
200
300
400

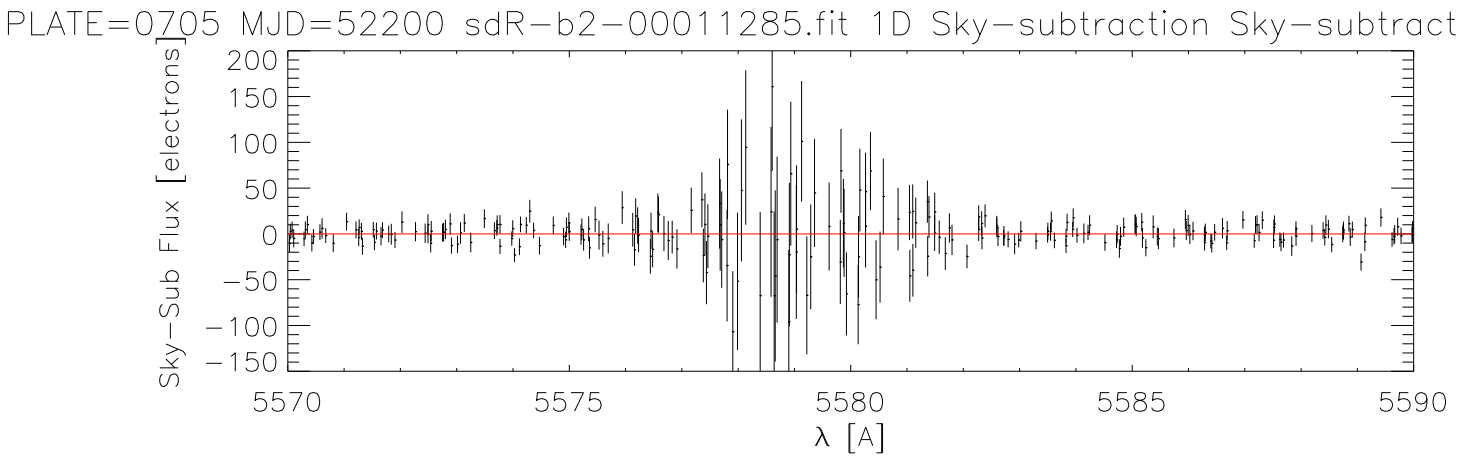

4046.5600
nfib1 16
nfib2 12
stdev 0.265
extra −0.30
4358.3300
nfib1 16
nfib2 16
stdev 0.124
extra −0.17
5460.9400
nfib1 16
nfib2 16
stdev 0.093
extra −0.05
5577.3390
nfib1 16
nfib2 16
stdev 0.016
extra −0.01
5889.9500
nfib1 16
nfib2 16
stdev 0.054
extra 0.07
5895.9240
nfib1 16
nfib2 16
stdev 0.076
extra 0.06
meas − pred, pix
1.0
0.5
0.0
−0.5
−1.0
0
100
200
300
400

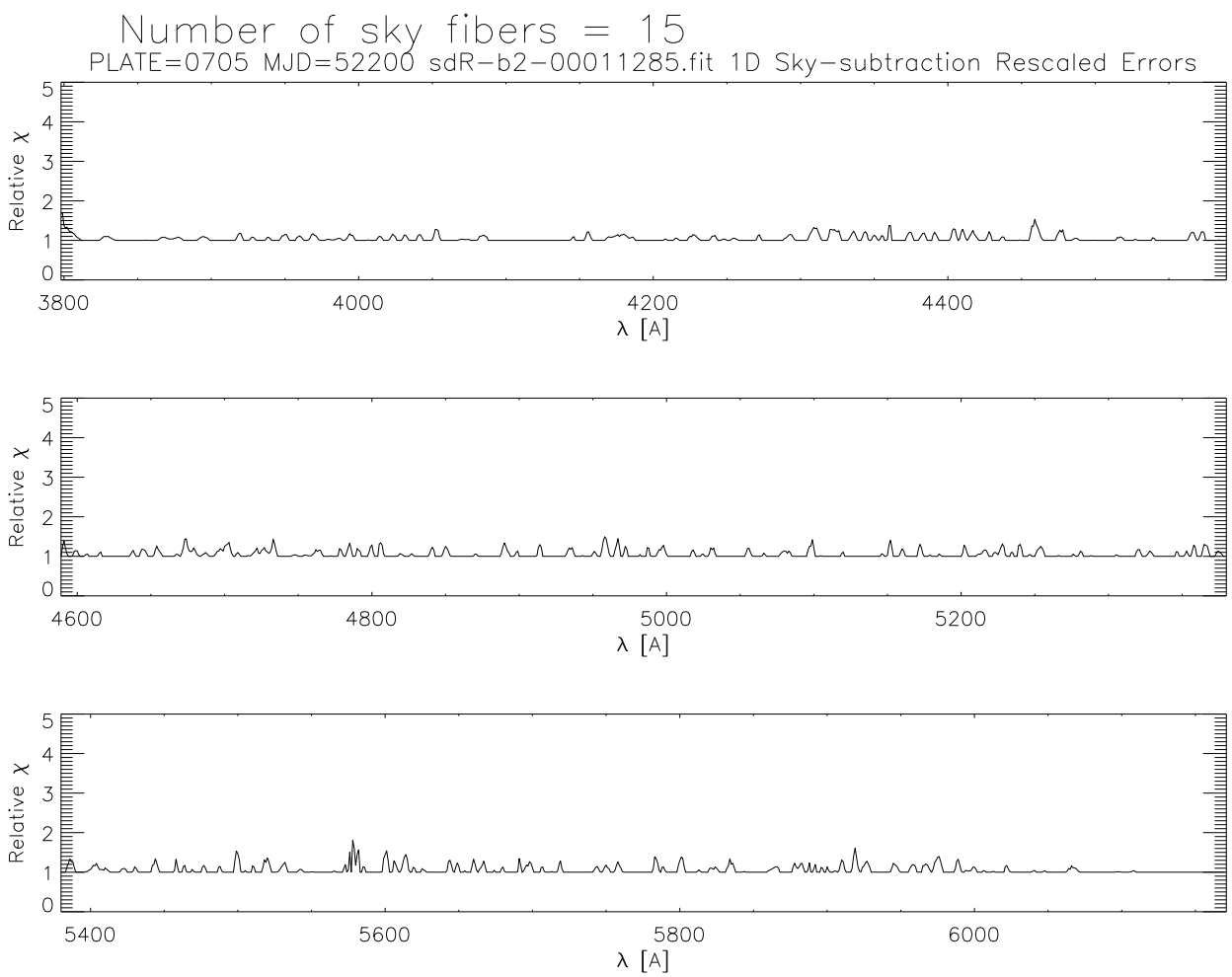

0.1
0.0
−0.1
−0.2
sky shift, pixels
3500
4000
4500
5000
5500
6000
6500

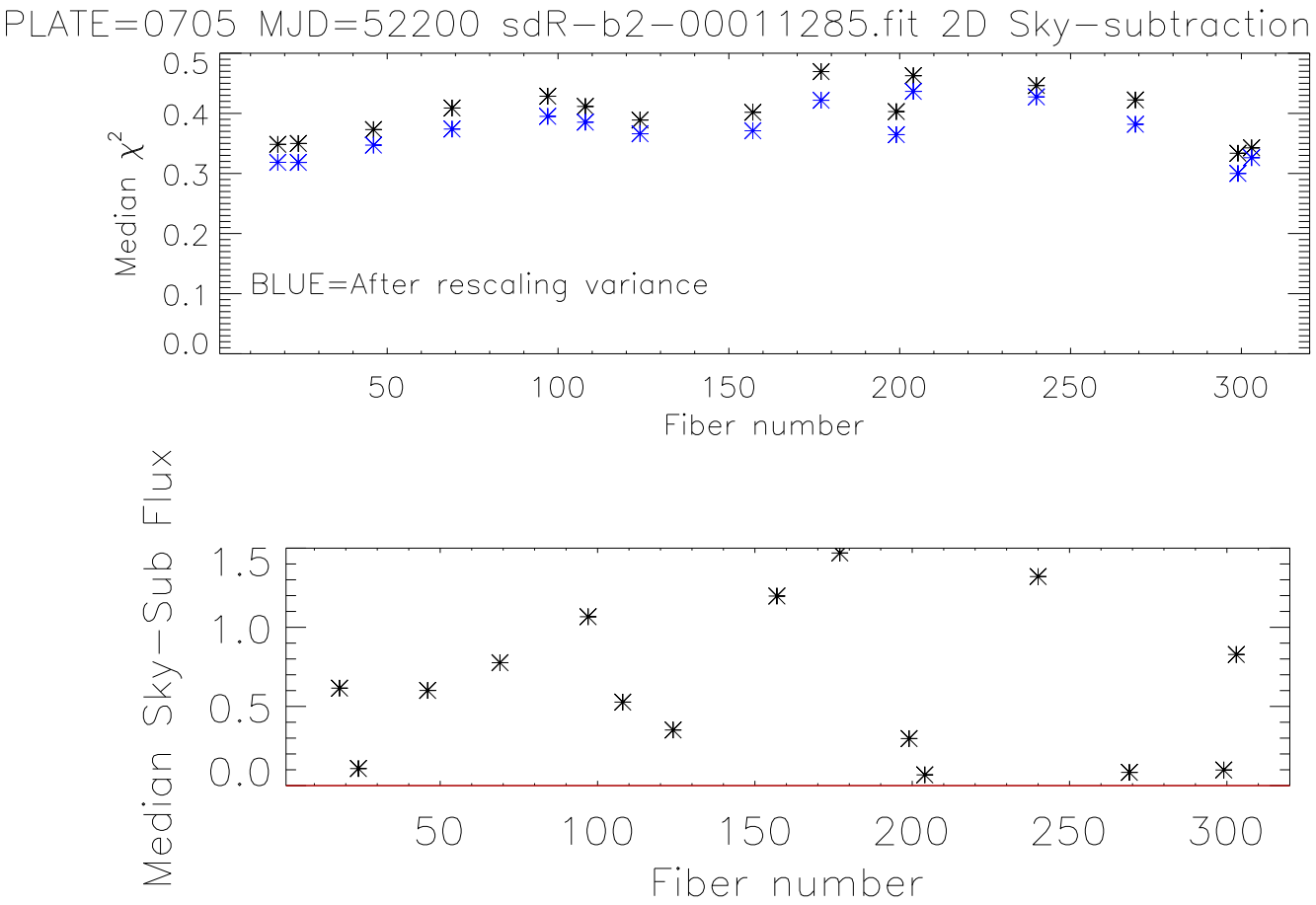

PLATE=0705 MJD=52200 Smooth superflat for sdR-b2-00011285.fit
1.5
1.0
0.5
0.0
1.010
1.005
1.000
0.995
0.990
0.985
0.980
es= −0.0000
4000
4500
5000
5500
6000
Wavelength (Å)

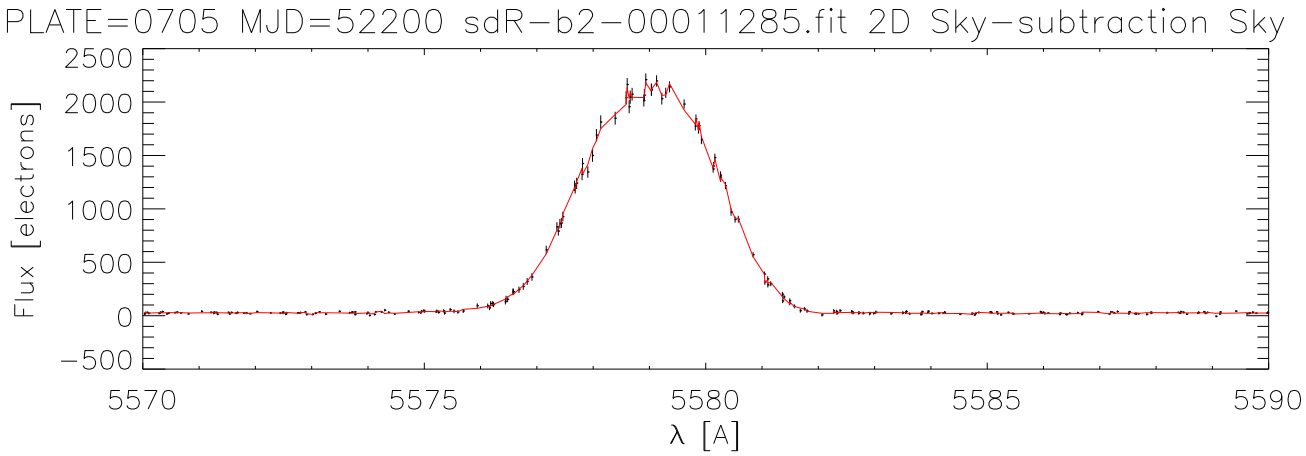

PLATE=0705 MJD=52200 sdR-b2-00011285.fit 1D Sky-subtraction Sky Fiber
Median $\chi^2$
0.0
0.1
0.2
0.3
0.4
0.5
BLUE=After rescaling variance
50
100
150
200
250
300
Fiber number
Median Sky-Sub Flux
0.0
0.5
1.0
1.5
2.0
50
100
150
200
250
300
Fiber number

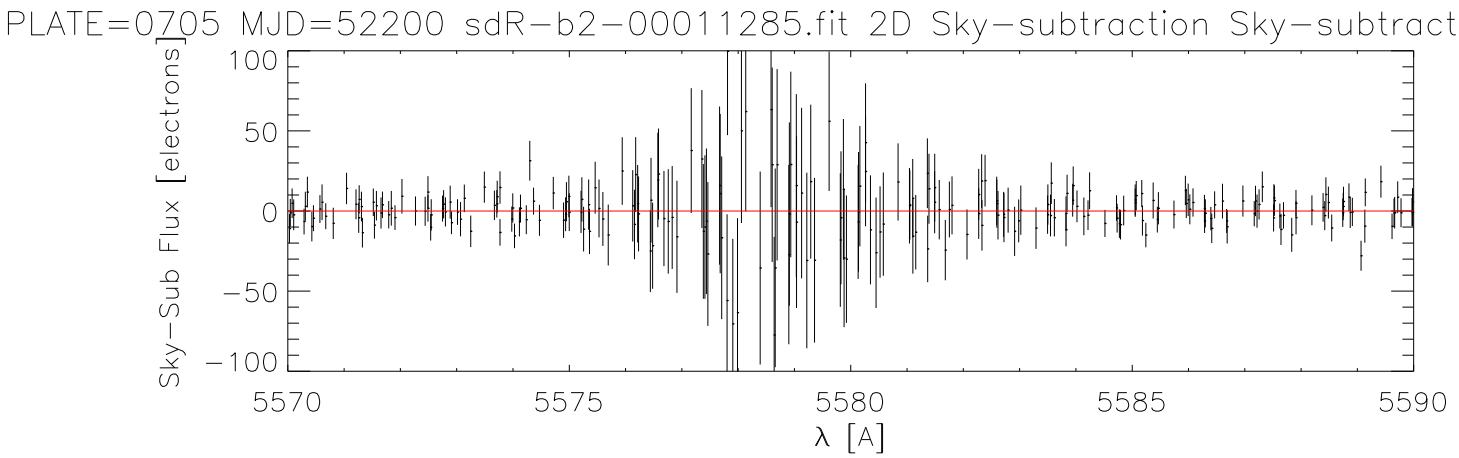

PLATE=0705 MJD=52200 sdR-b2-00011285.fit 1D Sky-subtraction Sky Fibers
Flux [electrons]
2500
2000
1500
1000
500
0
−500
5570
5575
5580
5585
5590
λ [A]

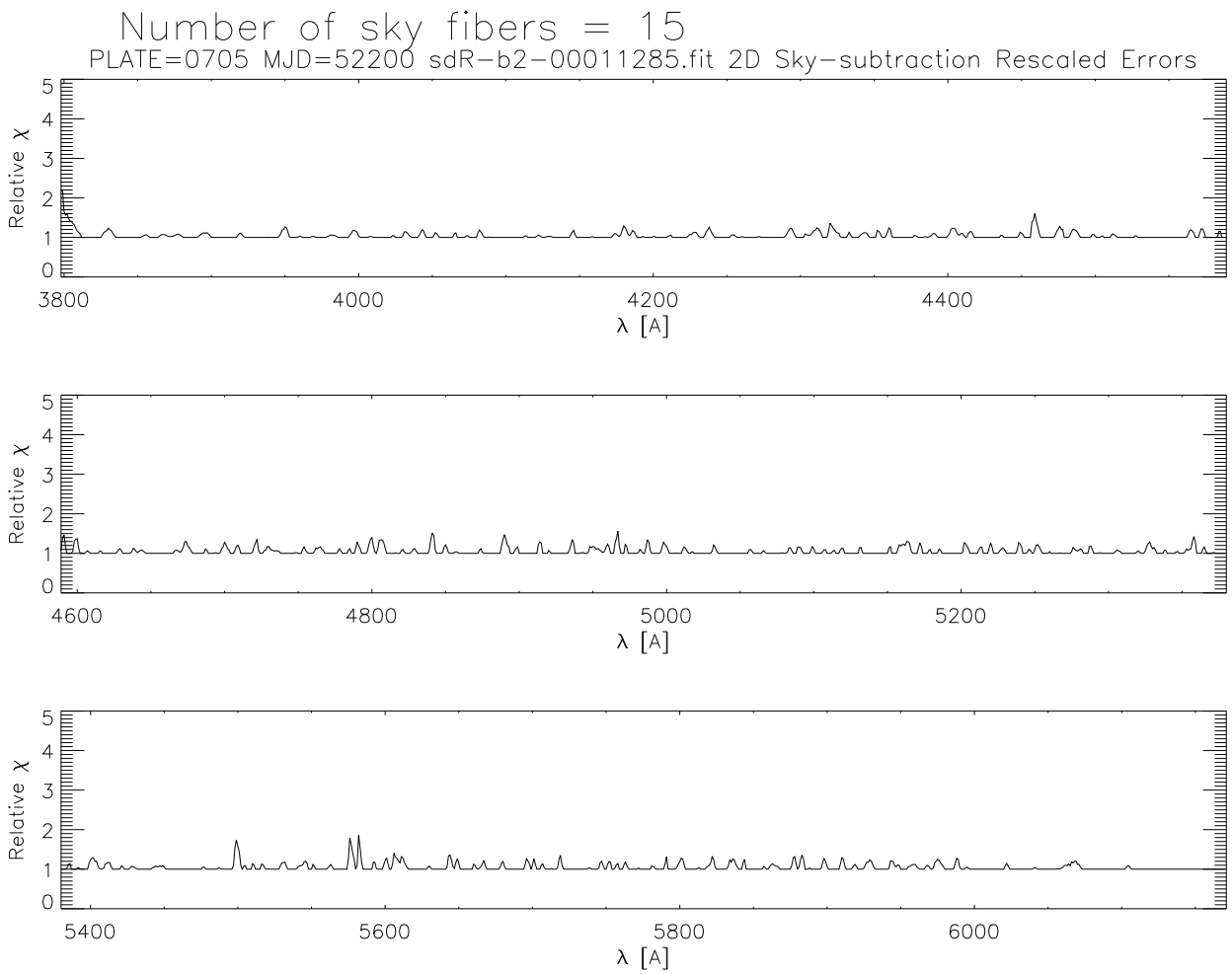

PLATE=0705 MJD=52200 sdR-b2-00011285.fit 1D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
200
150
100
50
0
−50
−100
−150
5570
5575
5580
5585
5590
λ [A]

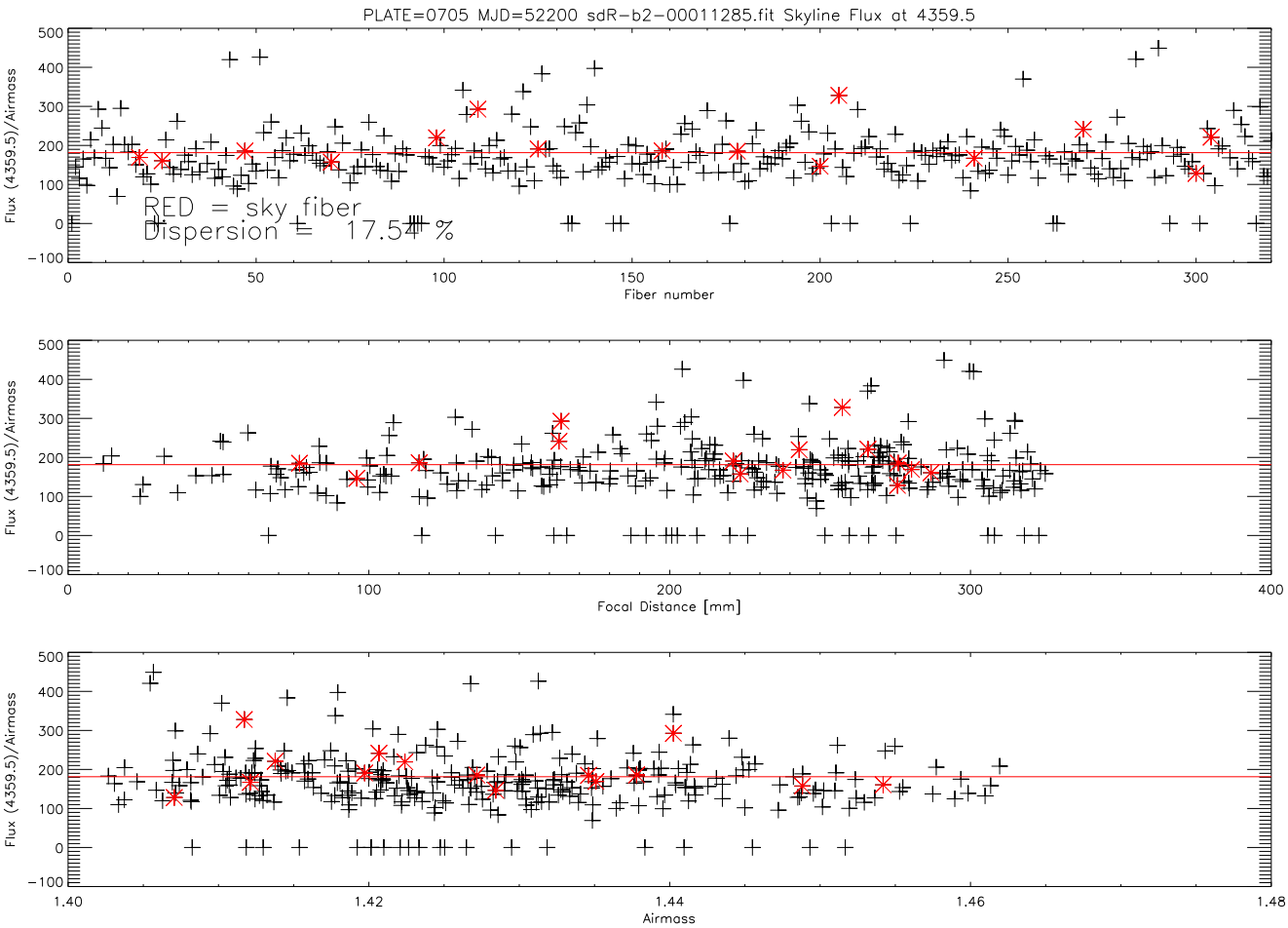

Number of sky fibers = 15
PLATE=0705 MJD=52200 sdR-b2-00011285.fit 1D Sky-subtraction Rescaled Errors
Relative χ
λ [A]
3800
4000
4200
4400
4600
4800
5000
5200
5400
5600
5800
6000

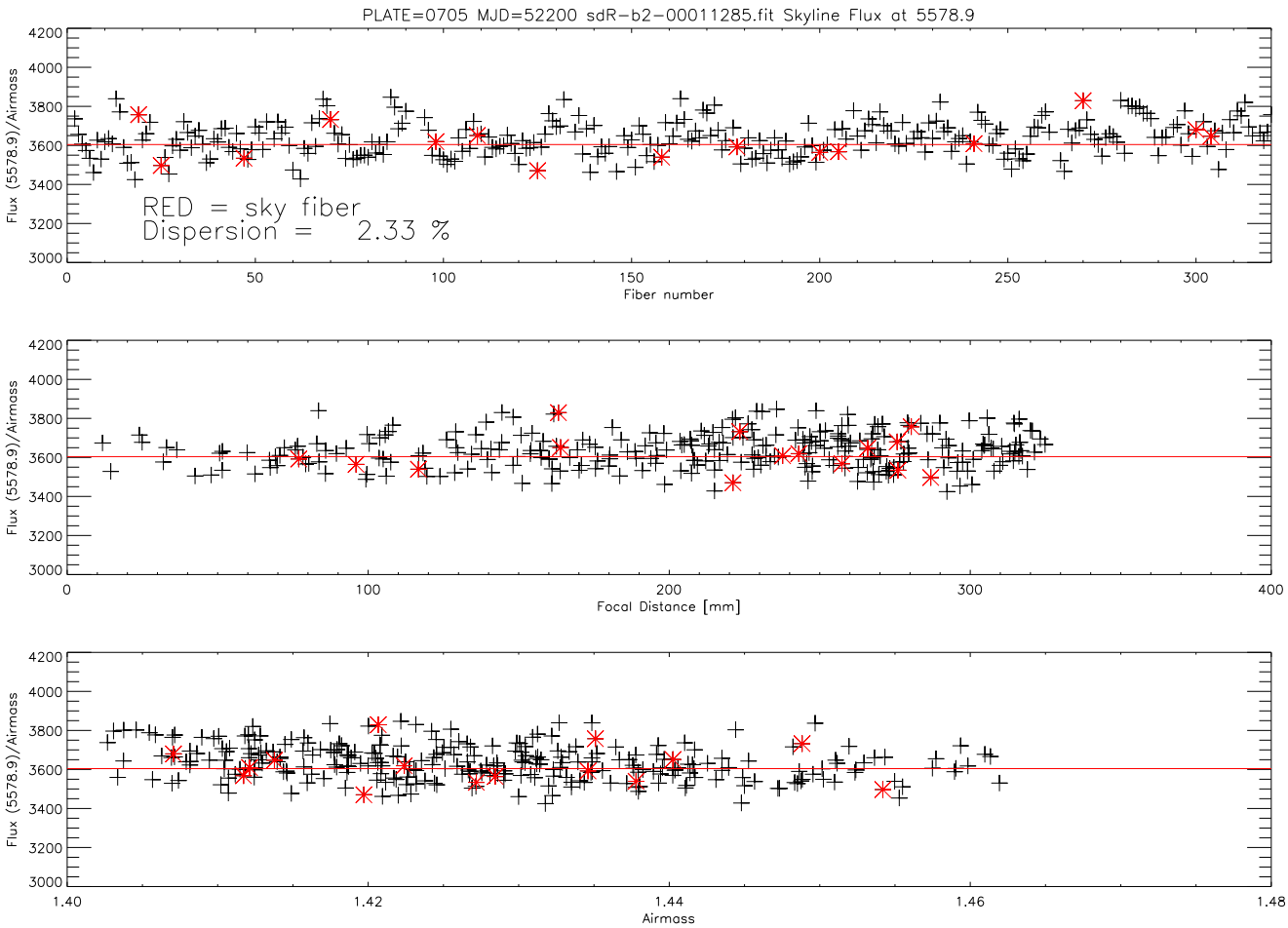

PLATE=0705 MJD=52200 sdR-b2-00011285.fit 2D Sky-subtraction Sky Fiber
Median $\chi^2$
BLUE=After rescaling variance
Fiber number
Median Sky-Sub Flux
Fiber number

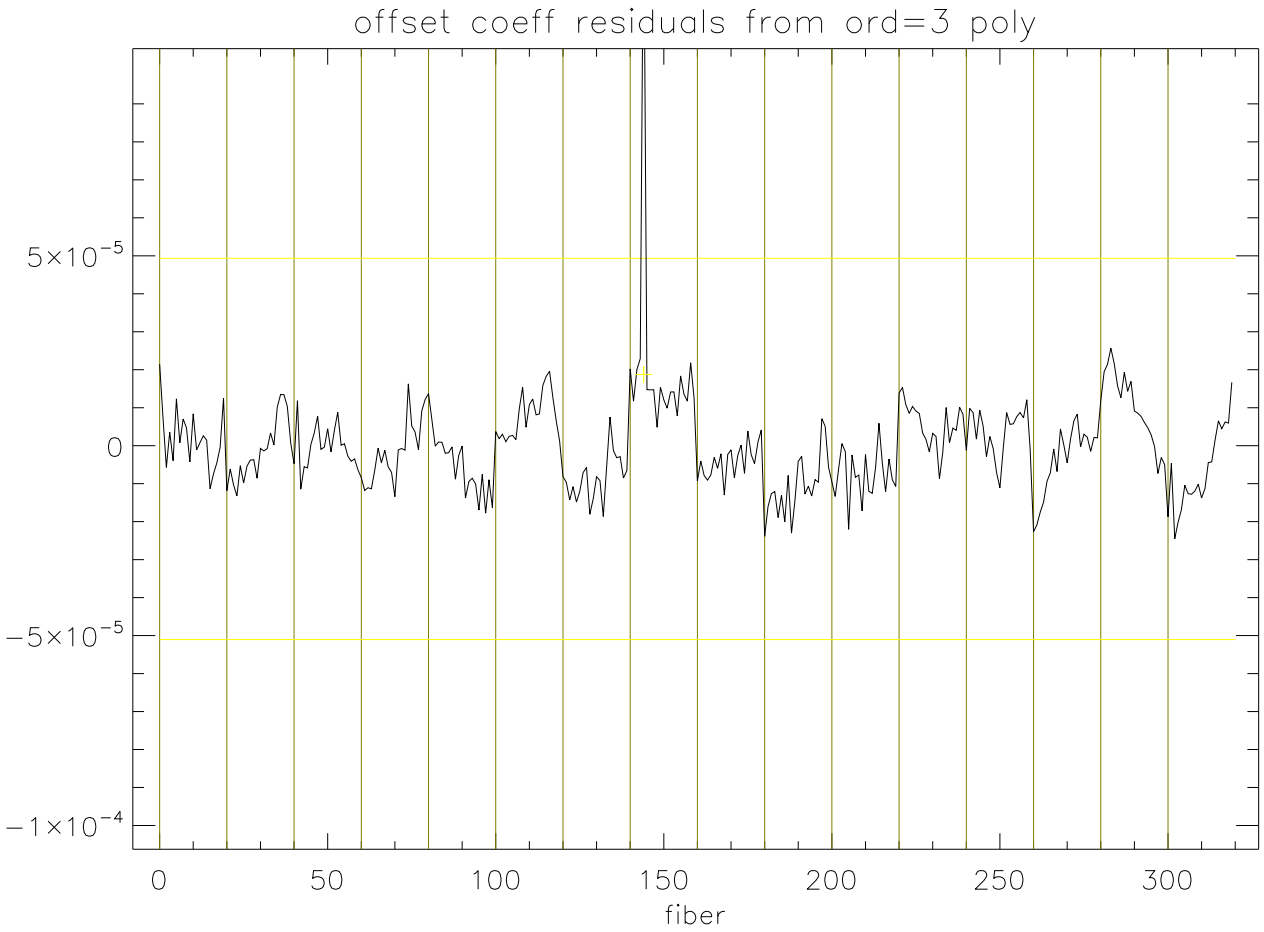

PLATE=0705 MJD=52200 sdR-b2-00011285.fit 2D Sky-subtraction Sky Fibers
Flux [electrons]
2500
2000
1500
1000
500
0
−500
5570
5575
5580
5585
5590
λ [A]

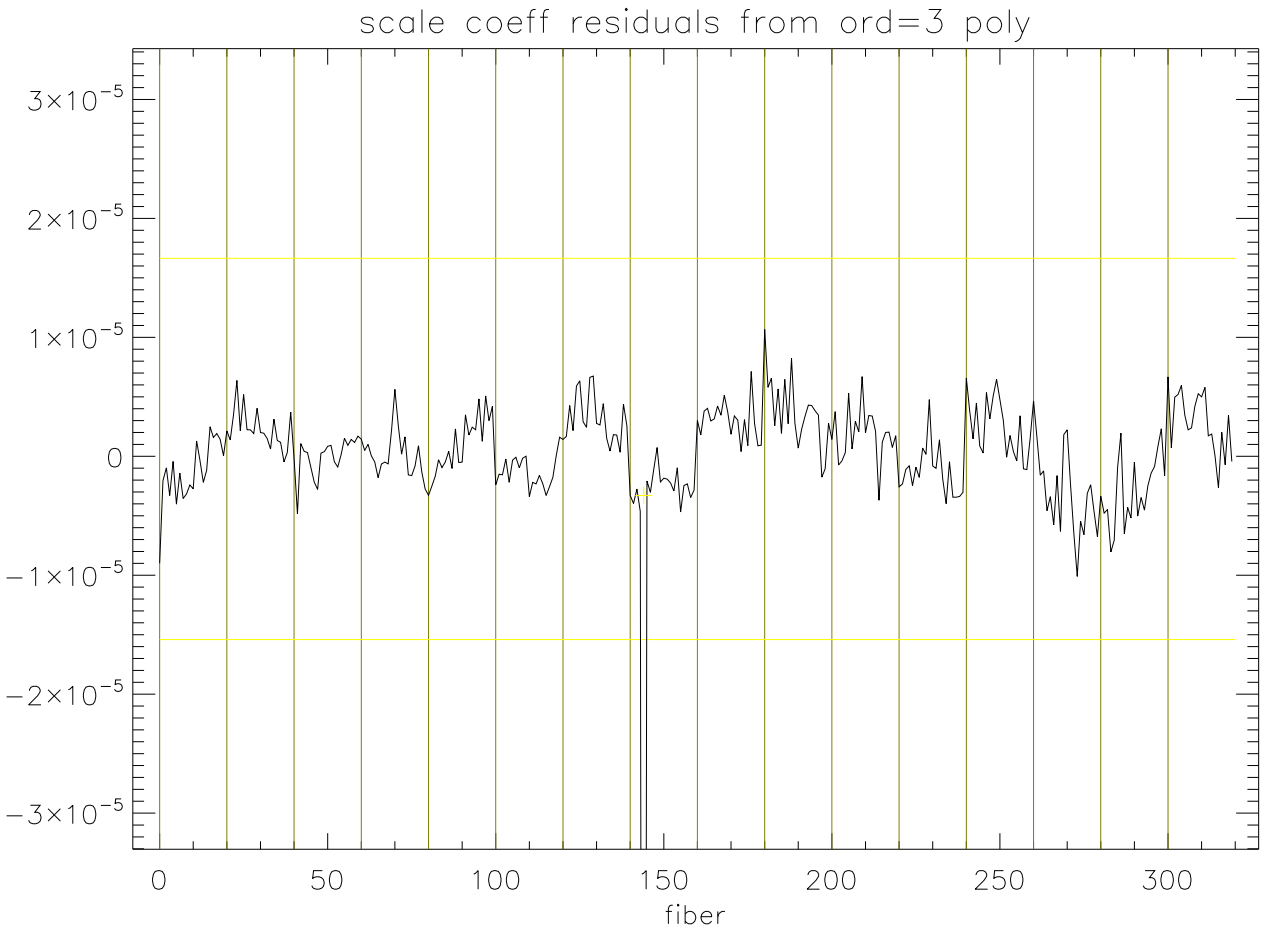

PLATE=0705 MJD=52200 sdR-b2-00011285.fit 2D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
100
50
0
−50
−100
5570
5575
5580
5585
5590
λ [A]

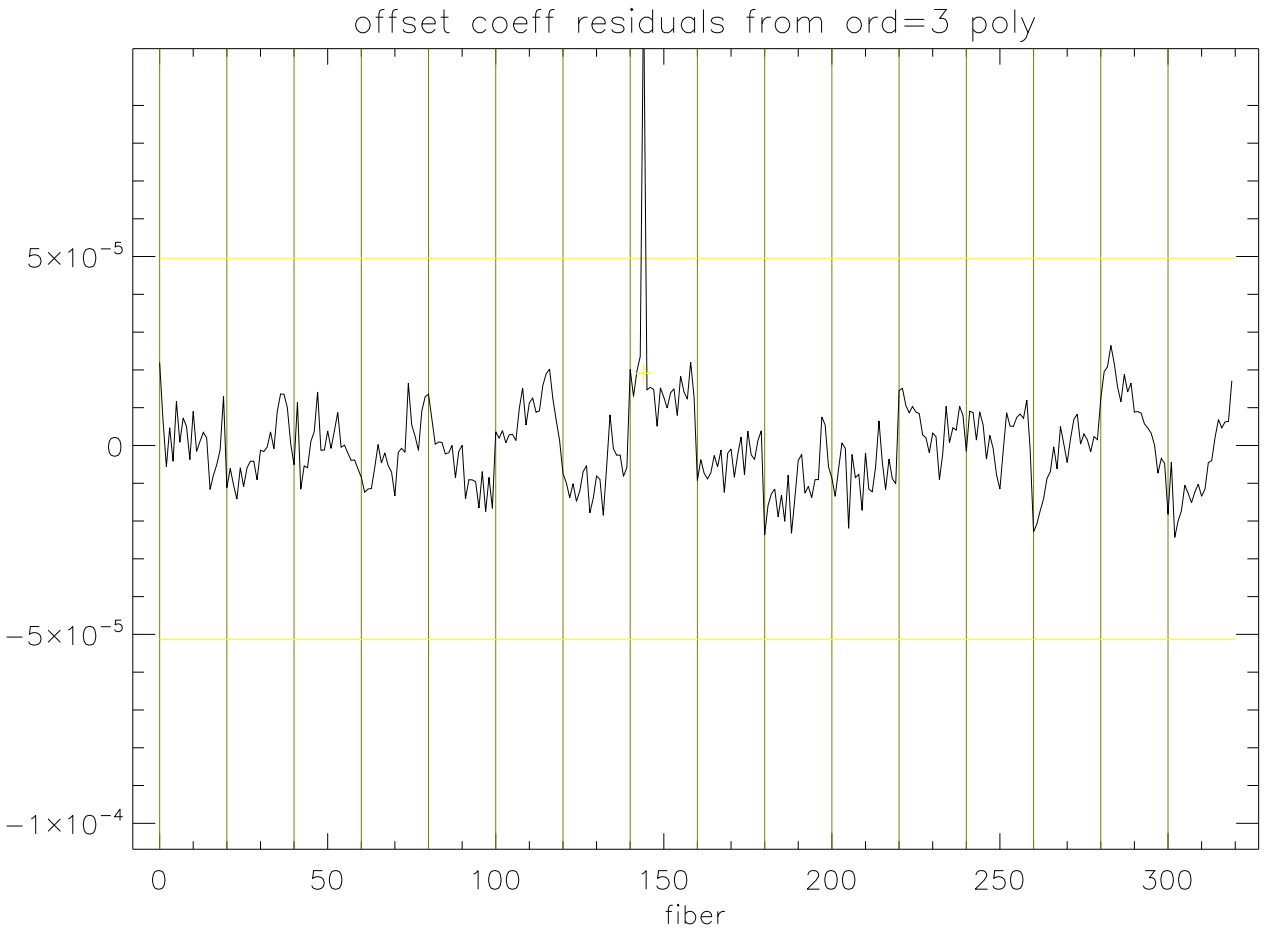

Number of sky fibers = 15
PLATE=0705 MJD=52200 sdR-b2-00011285.fit 2D Sky-subtraction Rescaled Errors
Relative χ
λ [A]
3800
4000
4200
4400
4600
4800
5000
5200
5400
5600
5800
6000

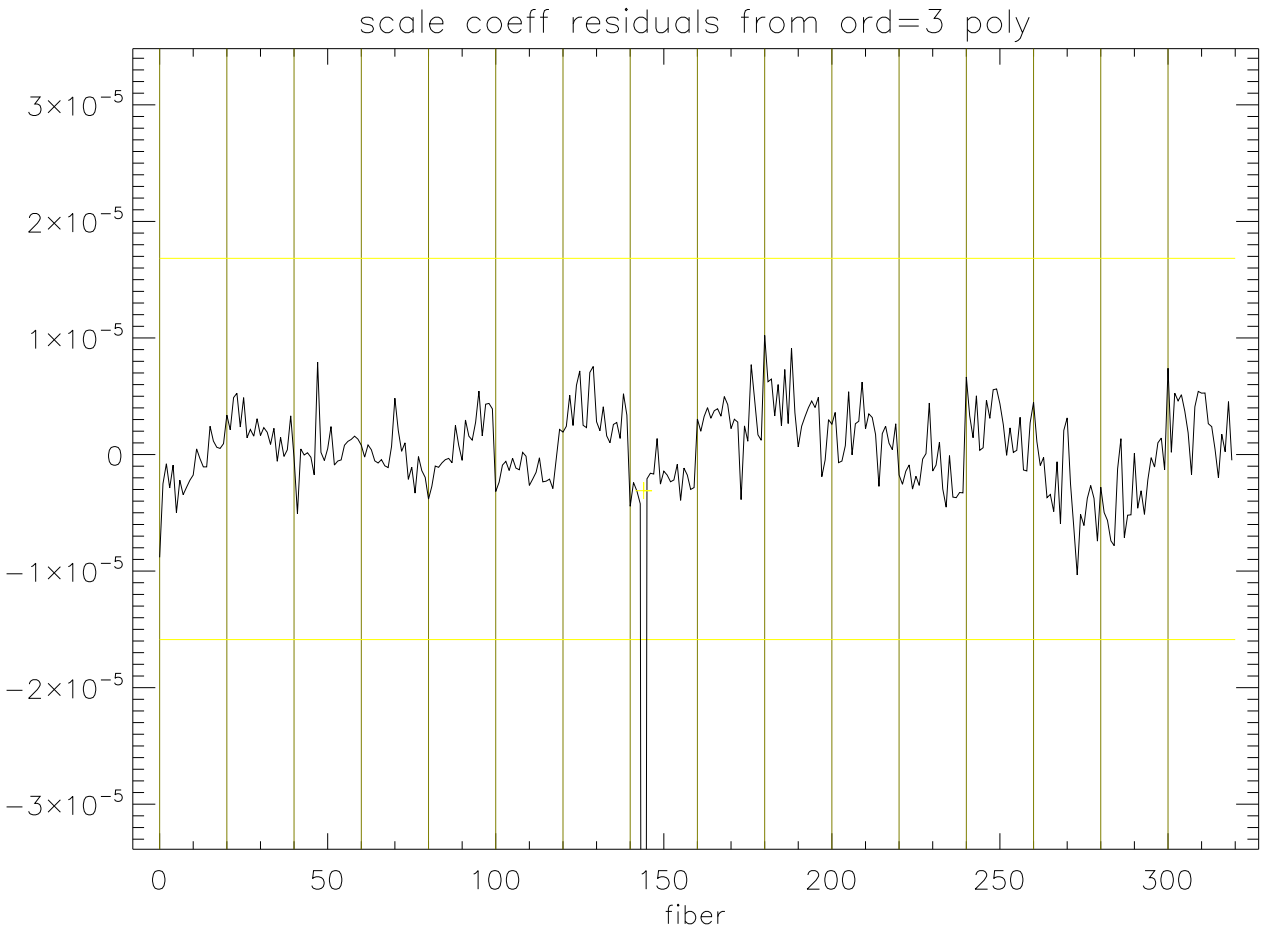

PLATE=0705 MJD=52200 sdR-b2-00011285.fit Skyline Flux at 4359.5
Flux (4359.5)/Airmass
RED = sky fiber
Dispersion = 17.54 %
Fiber number
Flux (4359.5)/Airmass
Focal Distance [mm]
Flux (4359.5)/Airmass
Airmass

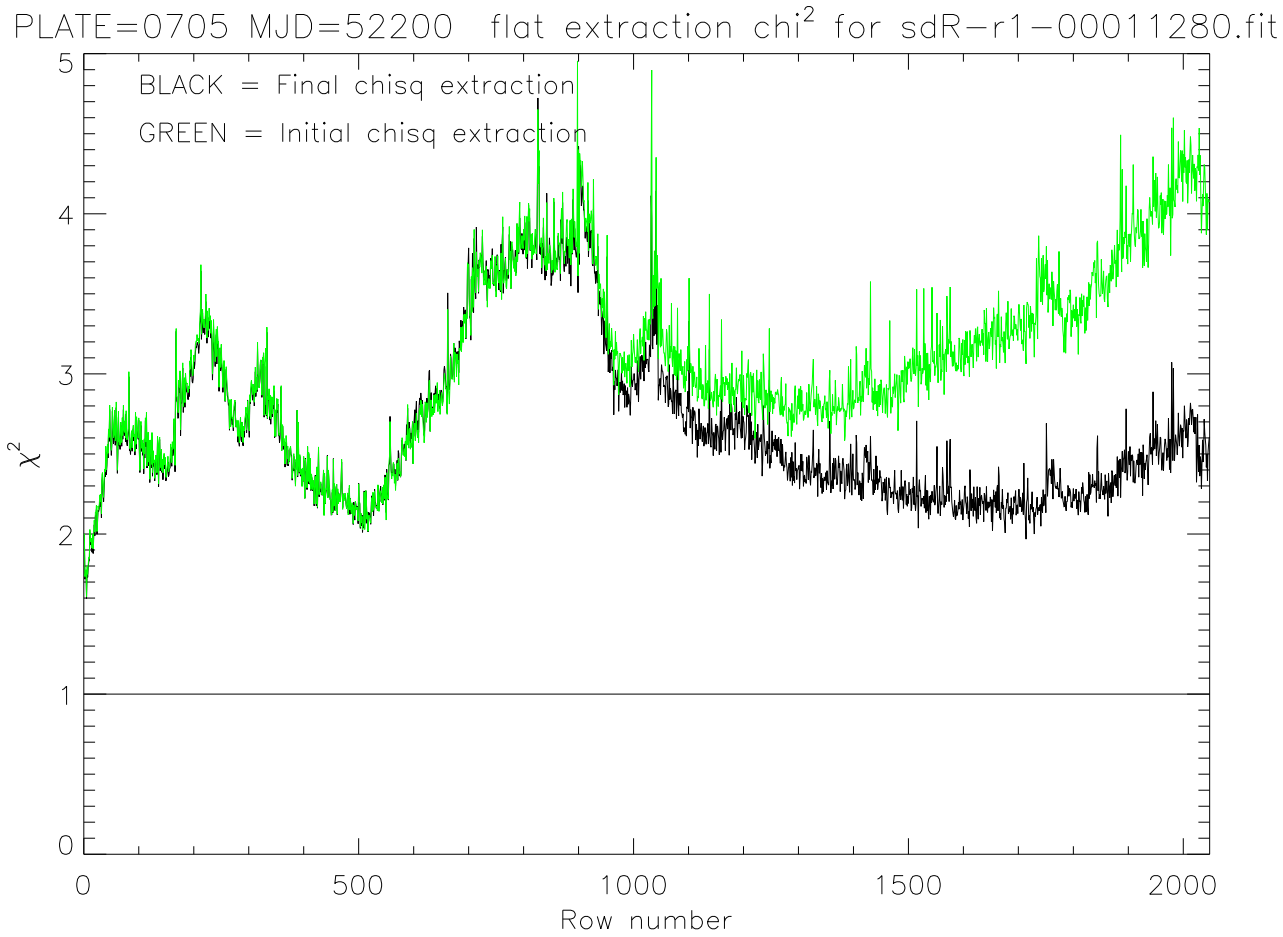

PLATE=0705 MJD=52200 sdR-b2-00011285.fit Skyline Flux at 5578.9
Flux (5578.9)/Airmass
RED = sky fiber
Dispersion = 2.33 %
Fiber number
Flux (5578.9)/Airmass
Focal Distance [mm]
Flux (5578.9)/Airmass
Airmass

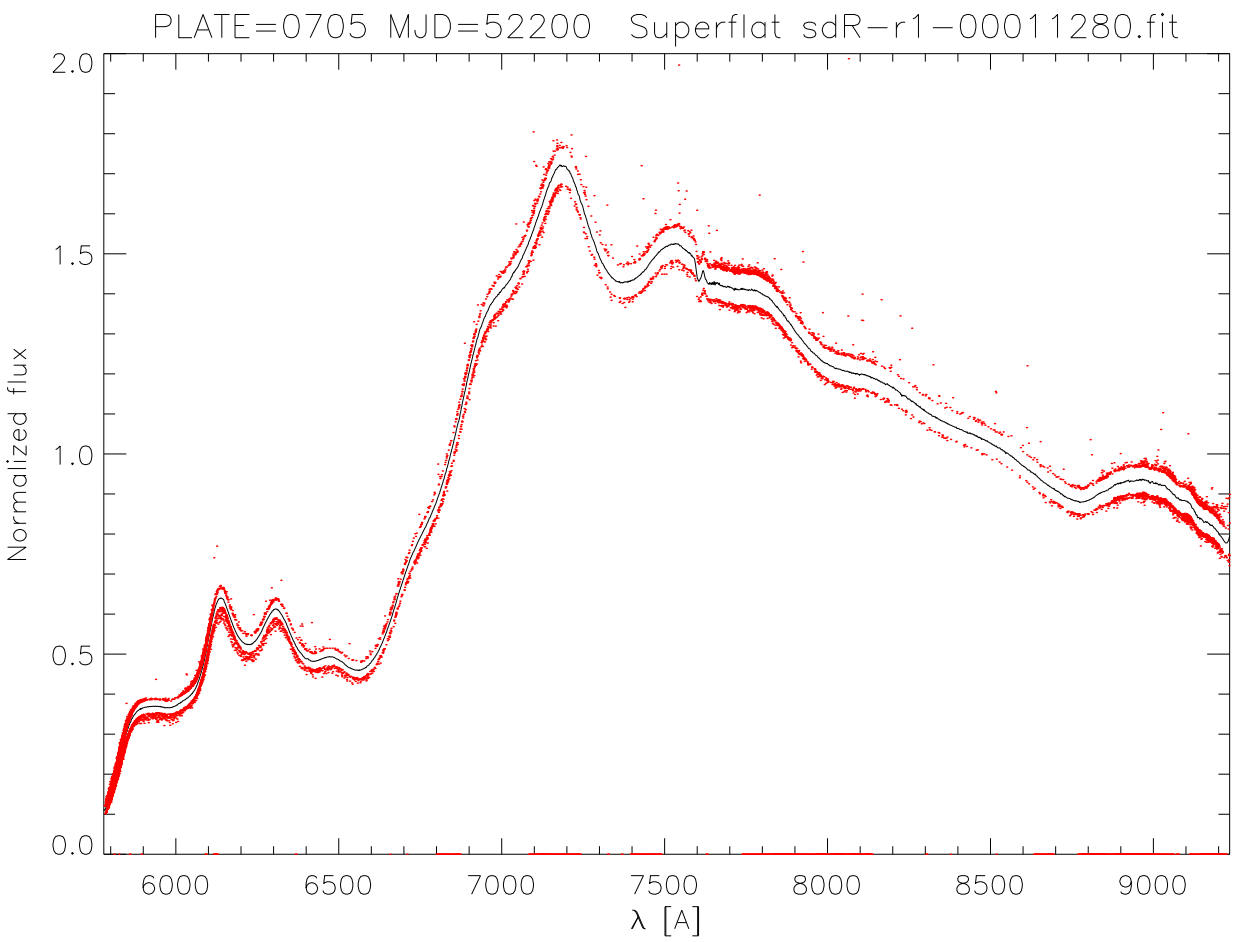

offset coeff residuals from ord=3 poly
5×10⁻⁵
0
−5×10⁻⁵
−1×10⁻⁴
0
50
100
150
200
250
300
fiber

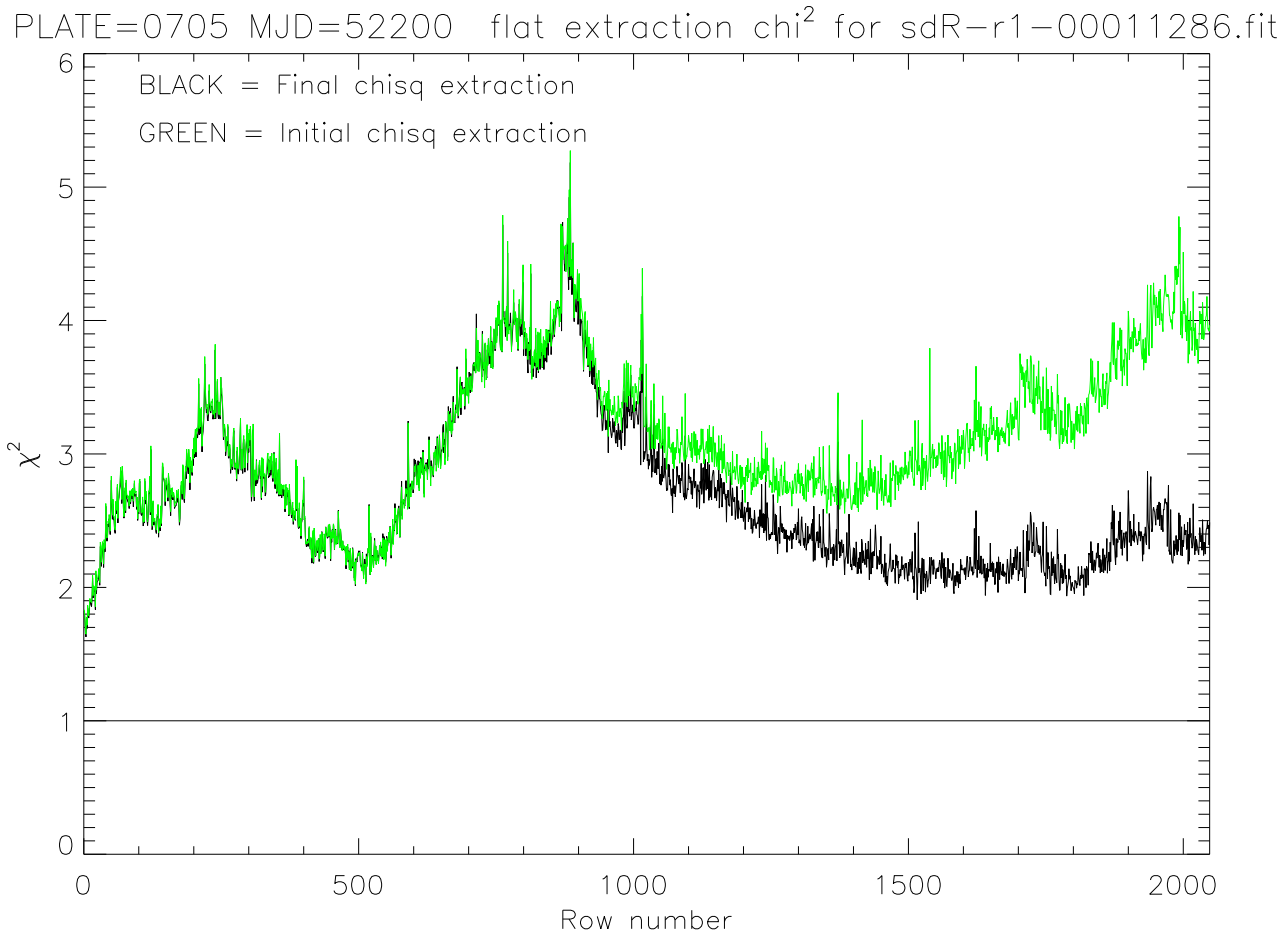

scale coeff residuals from ord=3 poly
3×10⁻⁵
2×10⁻⁵
1×10⁻⁵
0
−1×10⁻⁵
−2×10⁻⁵
−3×10⁻⁵
0
50
100
150
200
250
300
fiber

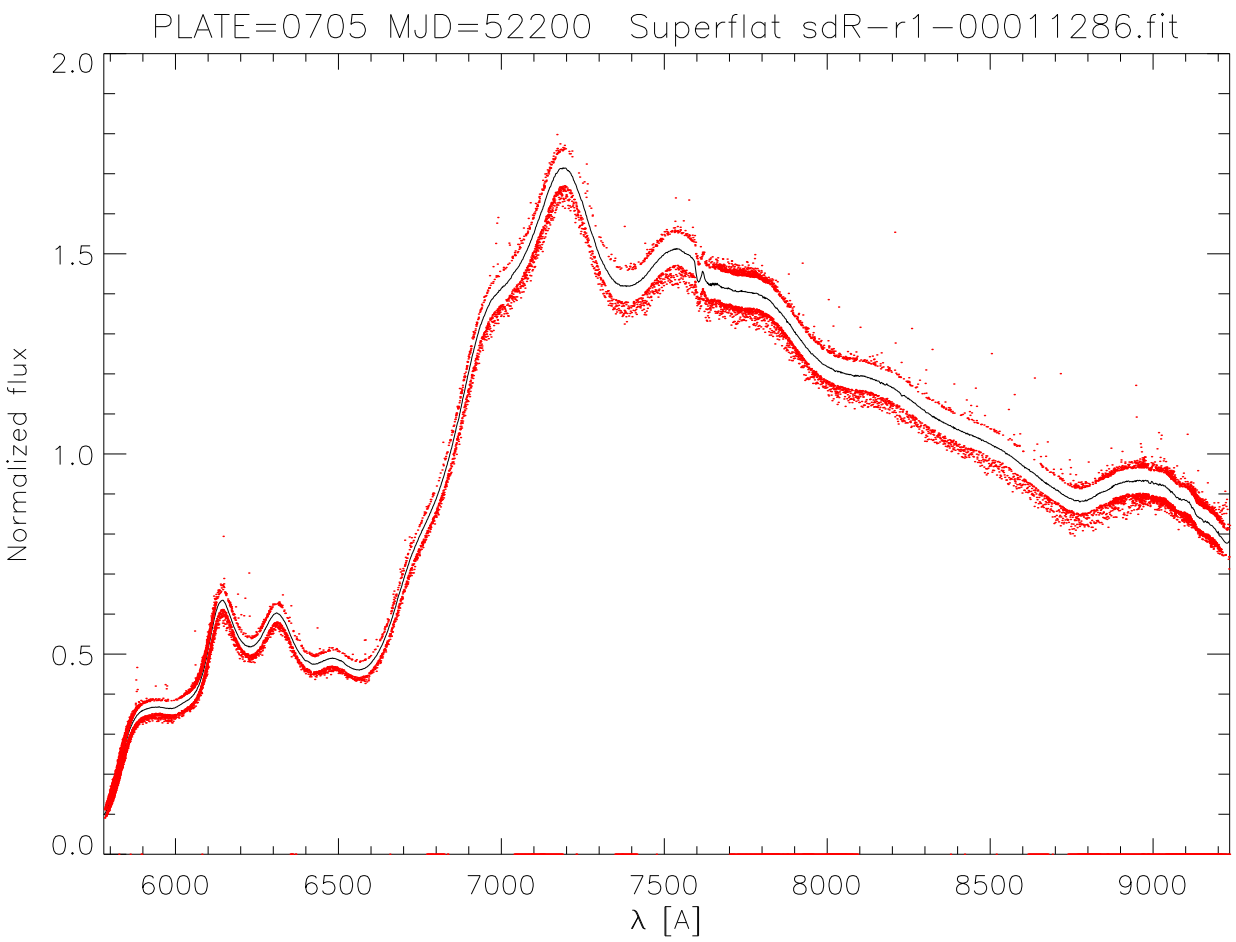

offset coeff residuals from ord=3 poly
5×10⁻⁵
0
−5×10⁻⁵
−1×10⁻⁴
0
50
100
150
200
250
300
fiber

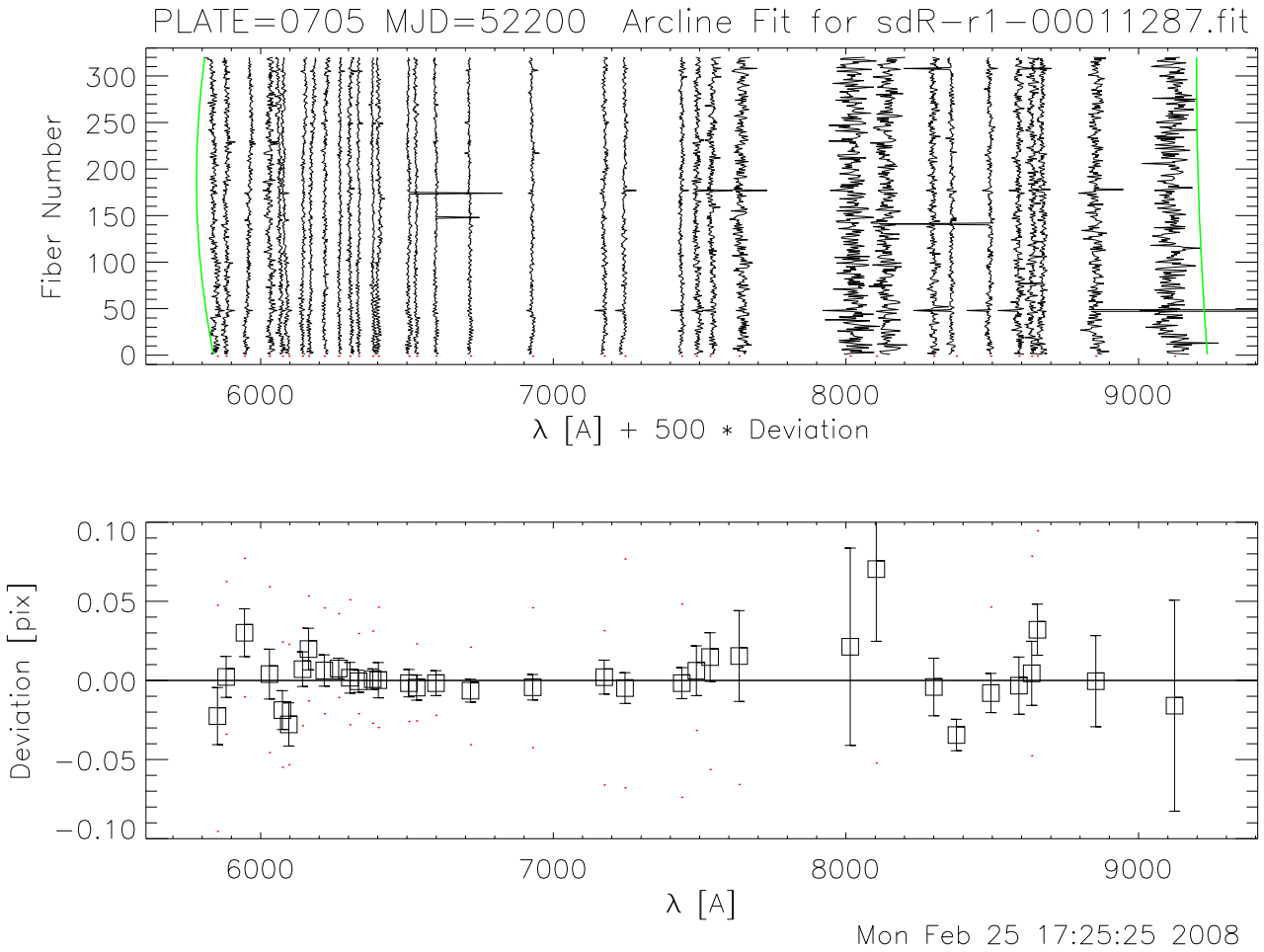

scale coeff residuals from ord=3 poly
3×10⁻⁵
2×10⁻⁵
1×10⁻⁵
0
−1×10⁻⁵
−2×10⁻⁵
−3×10⁻⁵
0
50
100
150
200
250
300
fiber

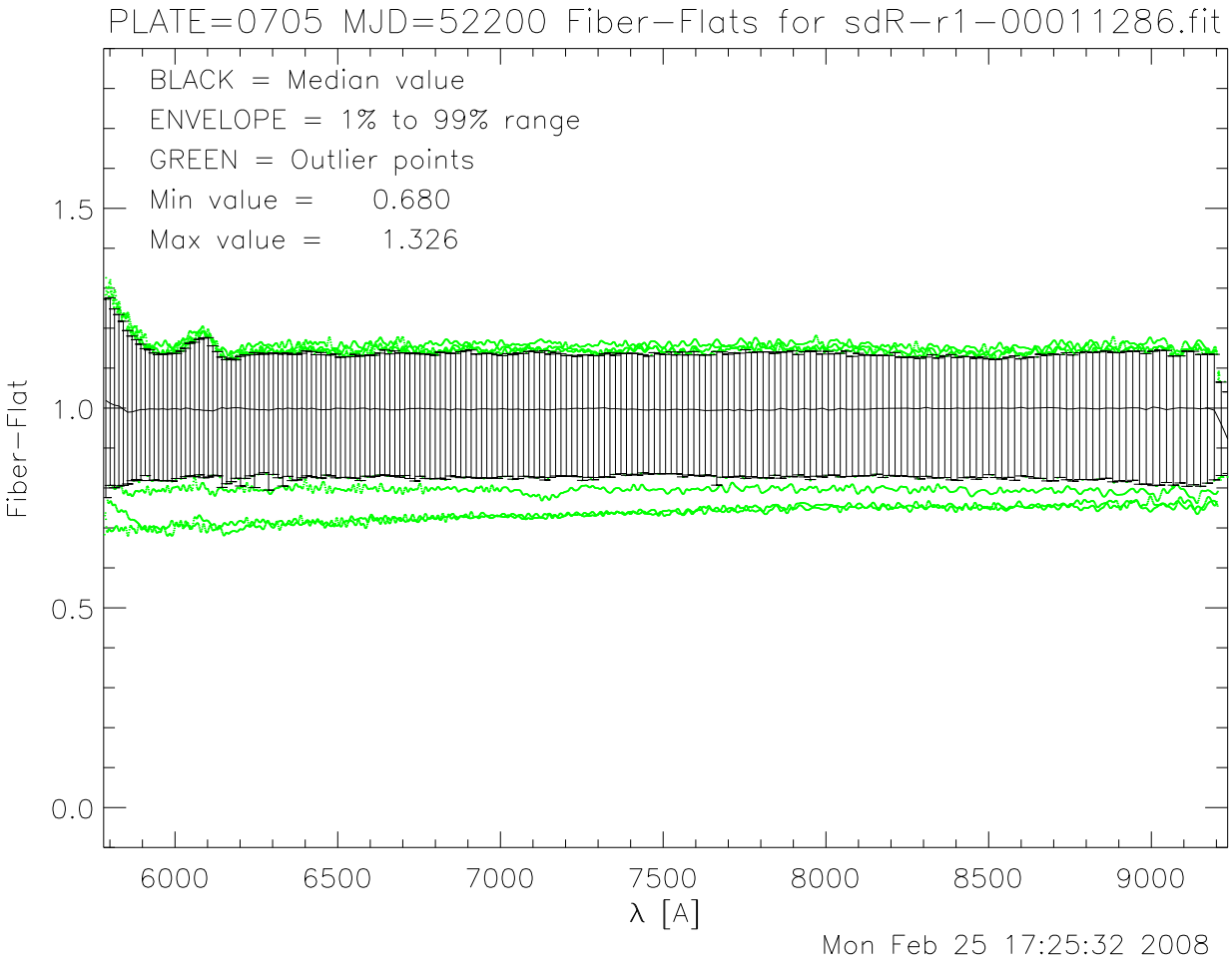

PLATE=0705 MJD=52200 flat extraction chi$^2$ for sdR−r1−00011280.fit
BLACK = Final chisq extraction
GREEN = Initial chisq extraction
$\chi^2$
0
1
2
3
4
5
0
500
1000
1500
2000
Row number

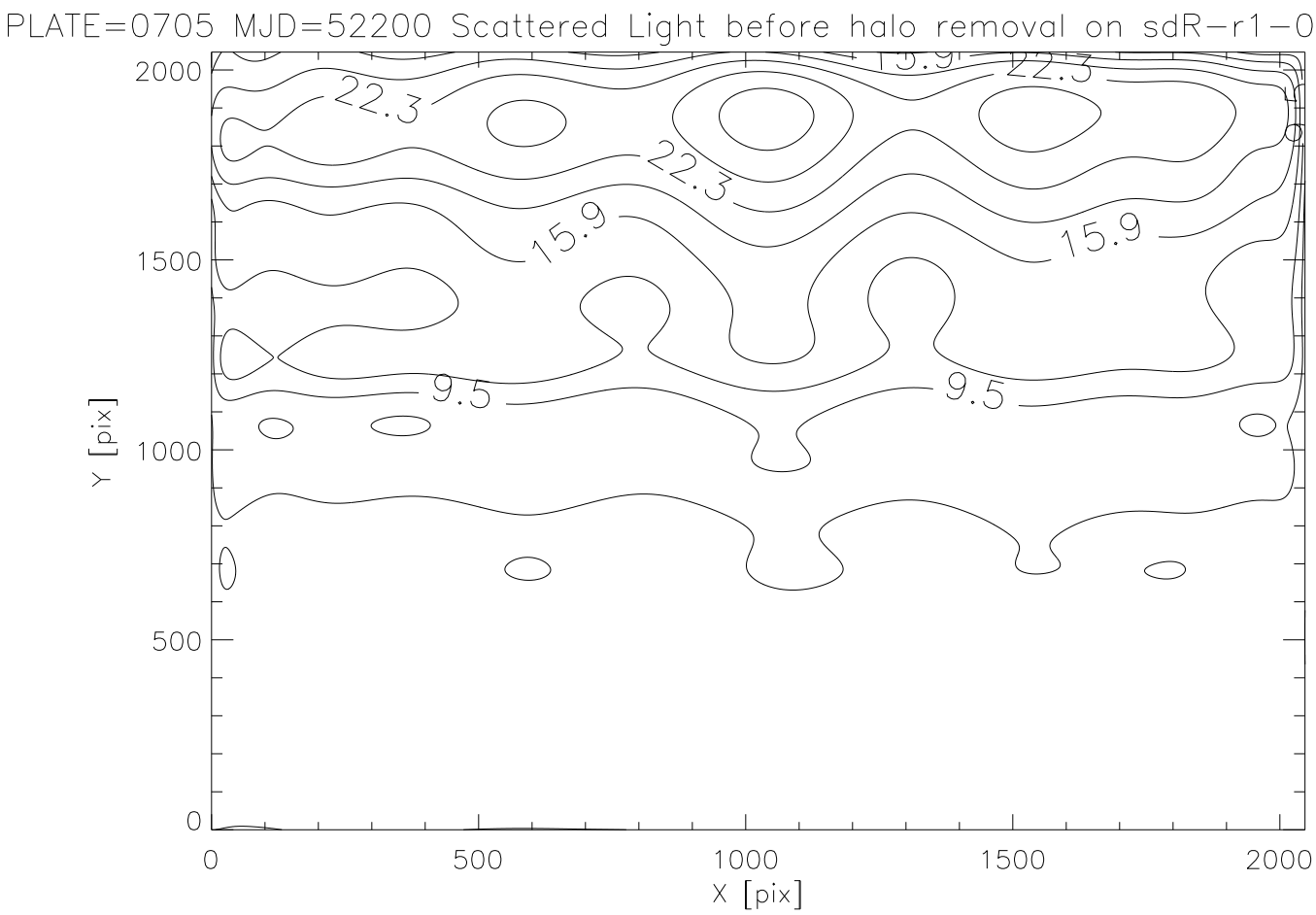

PLATE=0705 MJD=52200 Superflat sdR-r1-00011280.fit
Normalized flux
2.0
1.5
1.0
0.5
0.0
6000
6500
7000
7500
8000
8500
9000
λ [A]

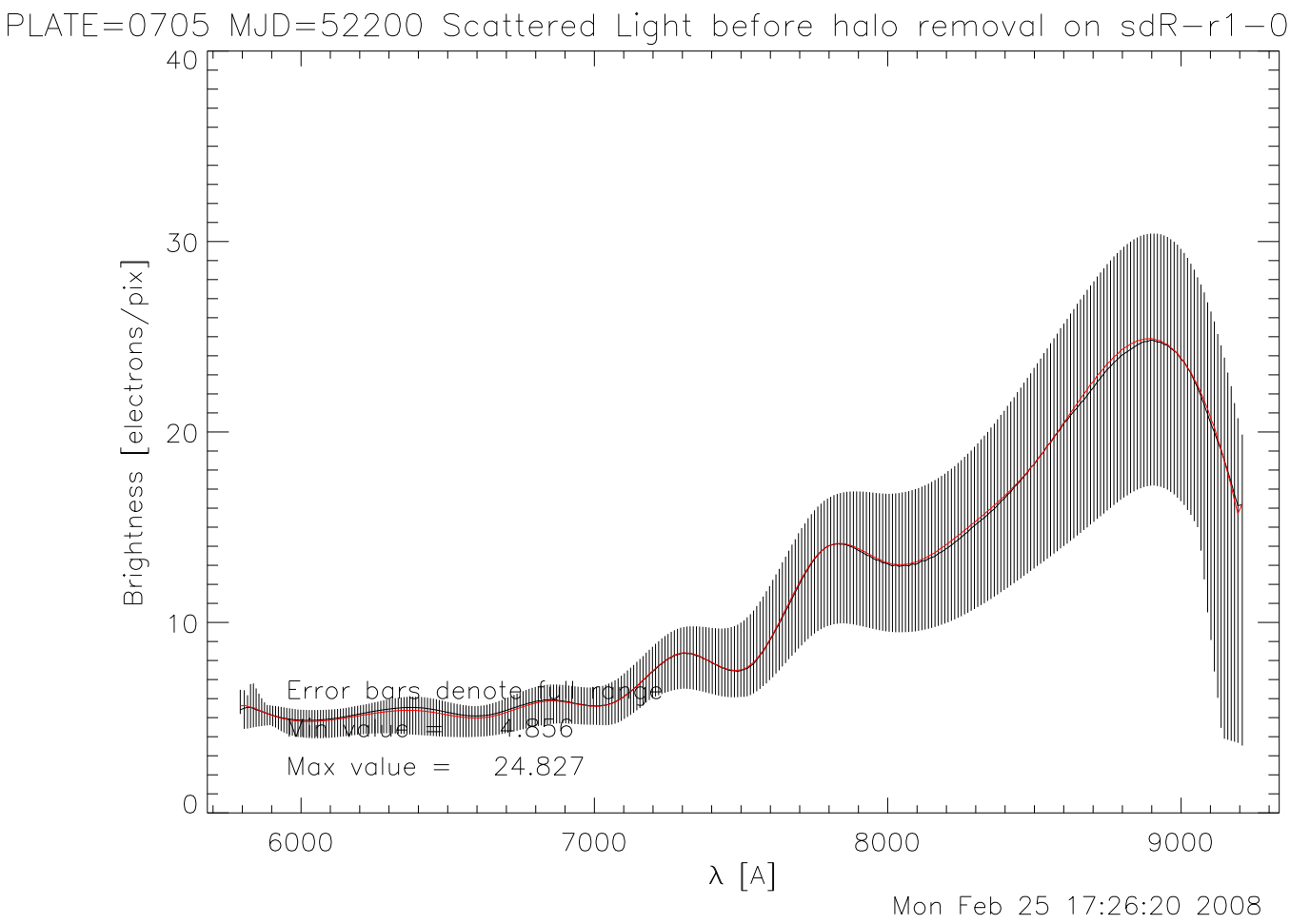

PLATE=0705 MJD=52200 flat extraction chi$^2$ for sdR−r1−00011286.fit
BLACK = Final chisq extraction
GREEN = Initial chisq extraction
$\chi^2$
Row number
0
1
2
3
4
5
6
0
500
1000
1500
2000

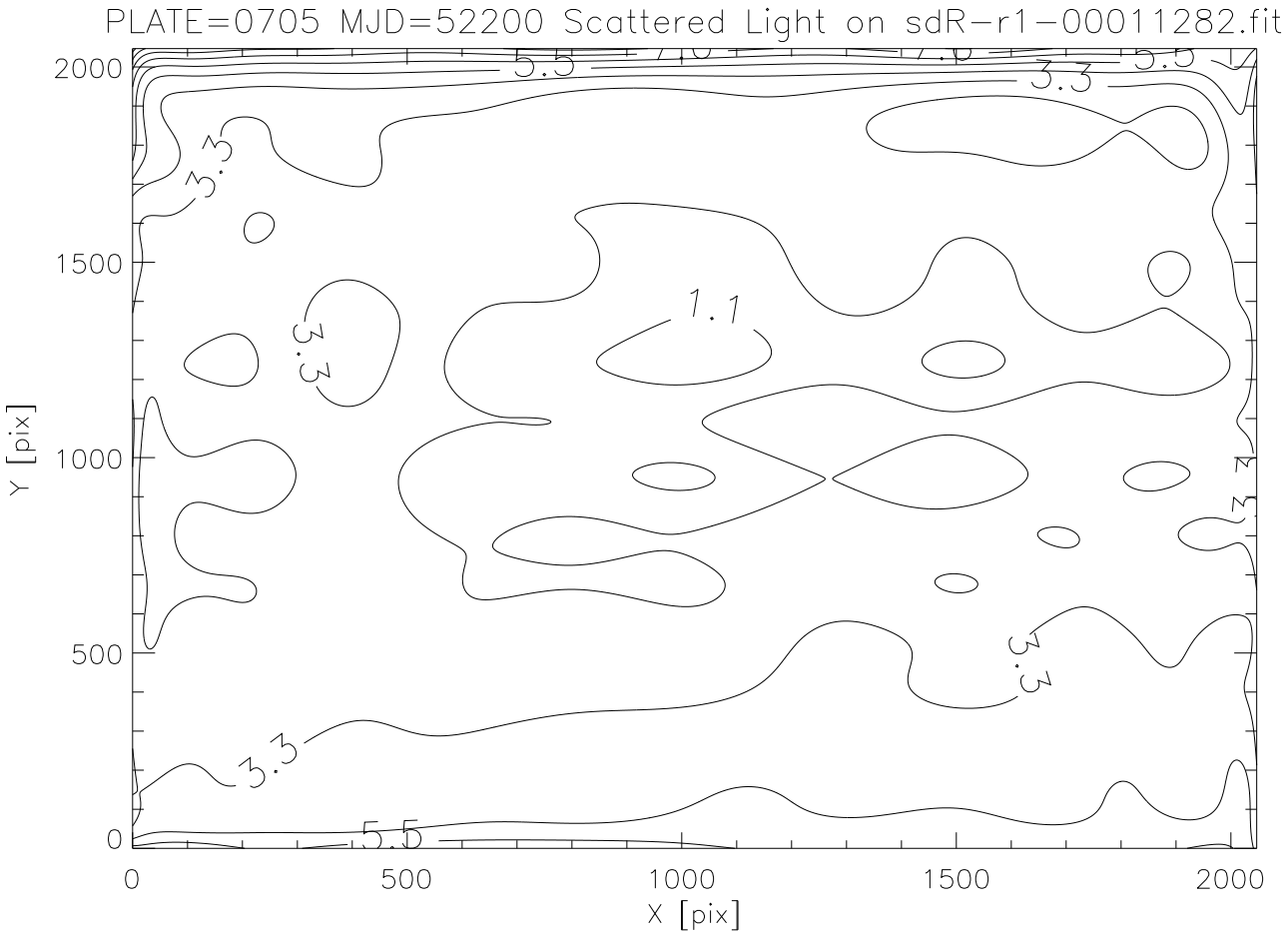

PLATE=0705 MJD=52200 Superflat sdR-r1-00011286.fit
Normalized flux
2.0
1.5
1.0
0.5
0.0
6000
6500
7000
7500
8000
8500
9000
λ [A]

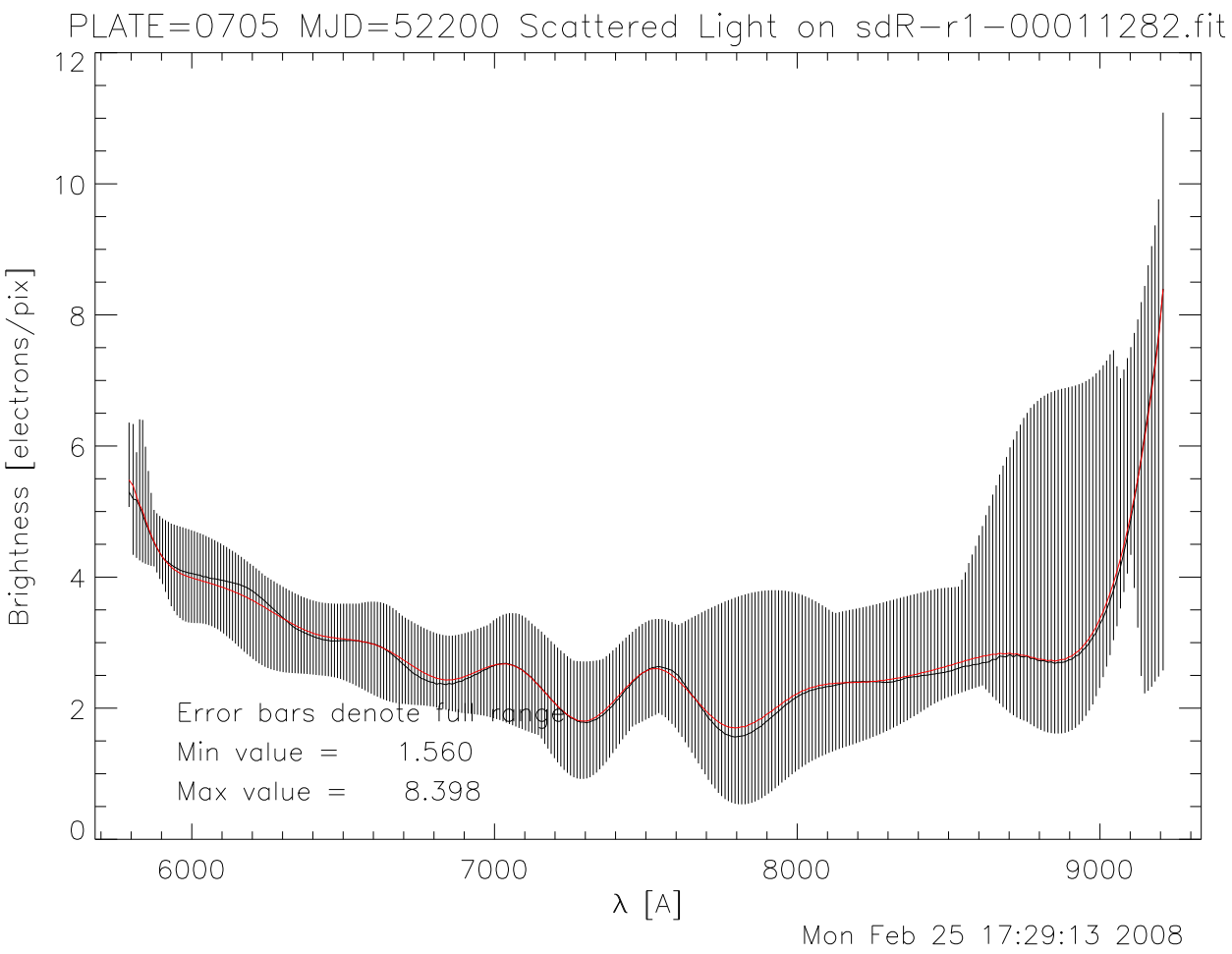

PLATE=0705 MJD=52200 Arcline Fit for sdR-r1-00011287.fit
Fiber Number
300
250
200
150
100
50
0
6000
7000
8000
9000
λ [A] + 500 * Deviation
Deviation [pix]
0.10
0.05
0.00
−0.05
−0.10
6000
7000
8000
9000
λ [A]
Mon Feb 25 17:25:25 2008

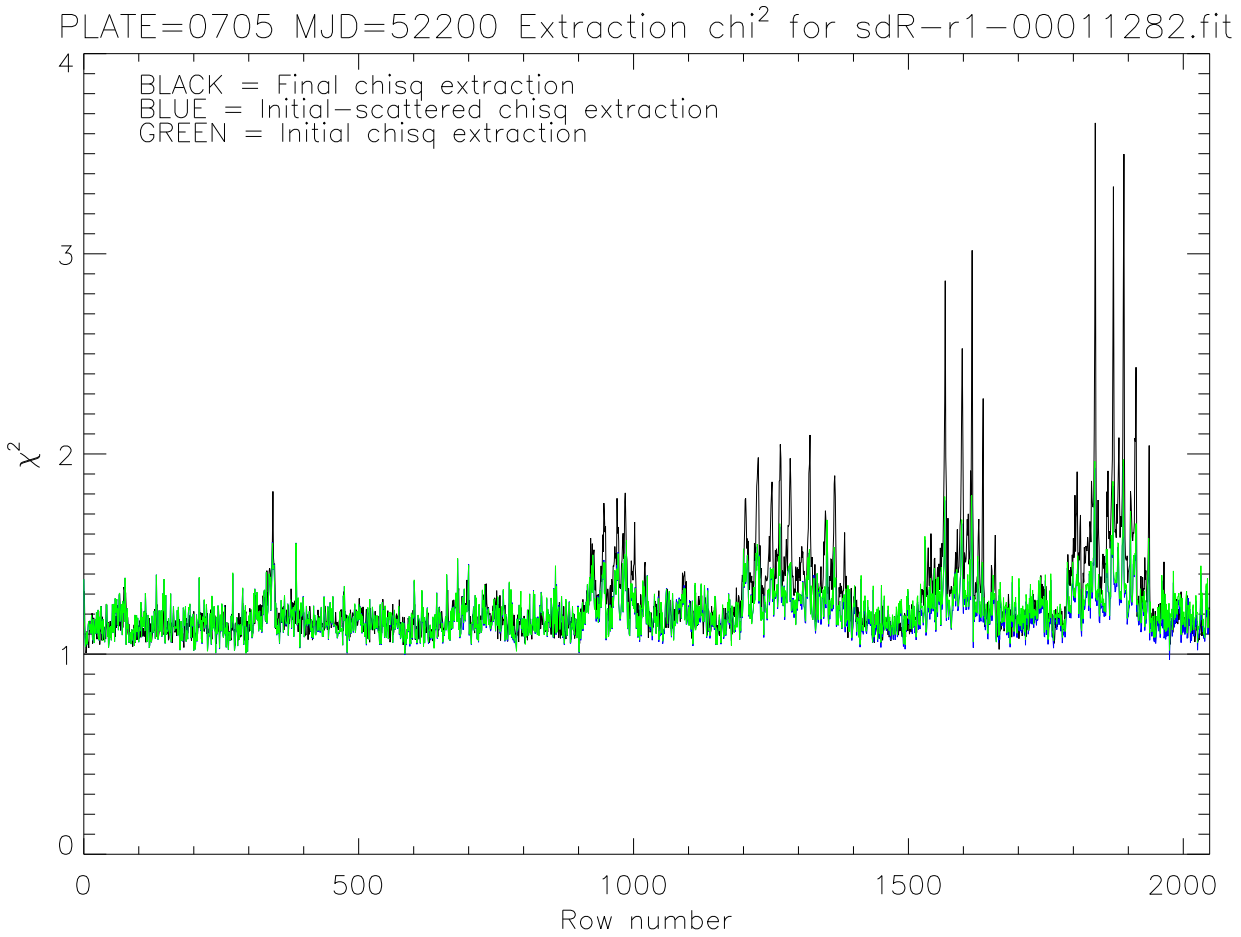

PLATE=0705 MJD=52200 Fiber−Flats for sdR−r1−00011286.fit
BLACK = Median value
ENVELOPE = 1% to 99% range
GREEN = Outlier points
Min value = 0.680
Max value = 1.326
Fiber−Flat
1.5
1.0
0.5
0.0
6000
6500
7000
7500
8000
8500
9000
λ [A]
Mon Feb 25 17:25:32 2008

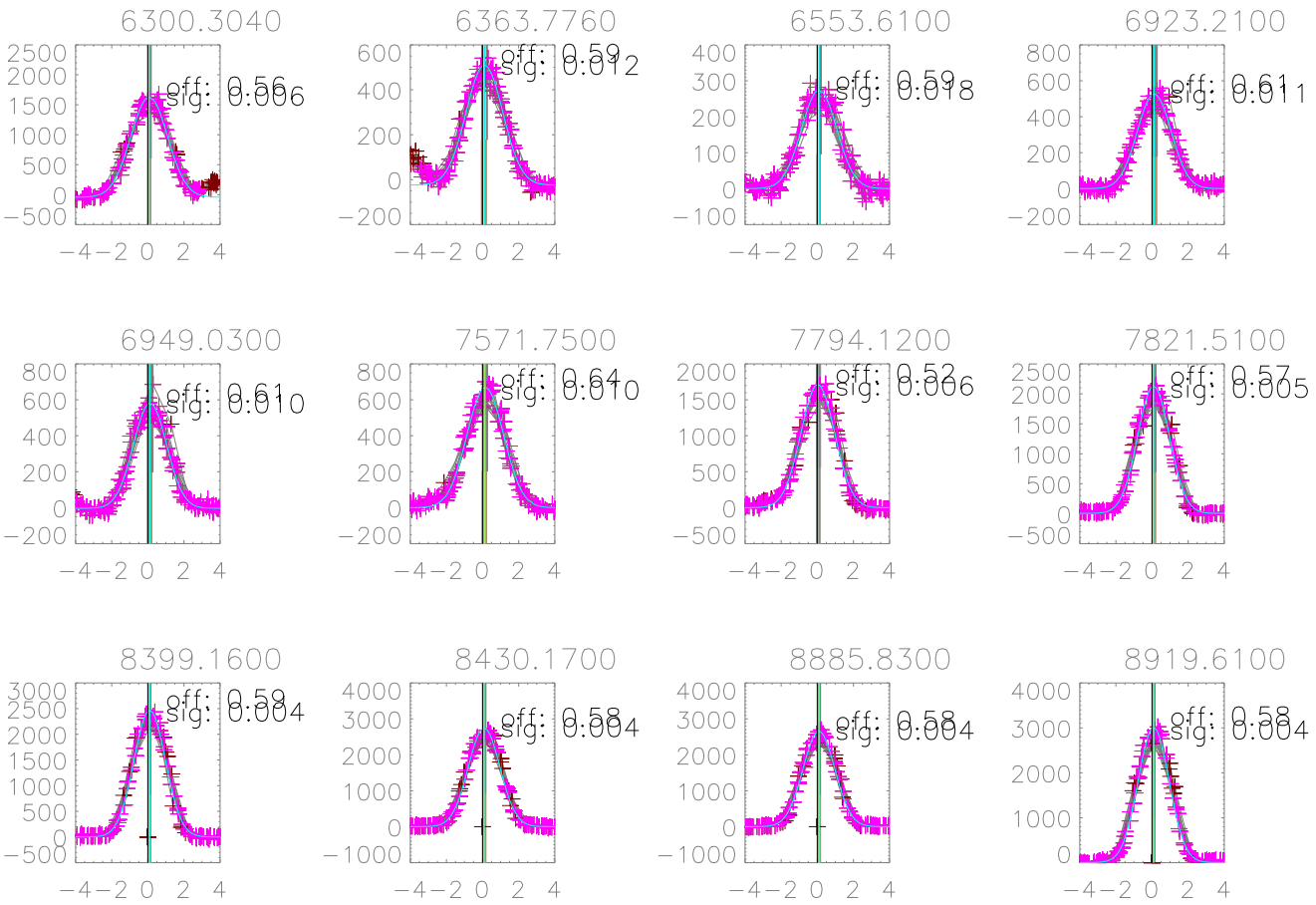

PLATE=0705 MJD=52200 Scattered Light before halo removal on sdR-r1-00011282.fi
22.3
22.3
22.3
15.9
15.9
15.9
9.5
9.5
2000
1500
1000
500
0
Y [pix]
0
500
1000
1500
2000
X [pix]

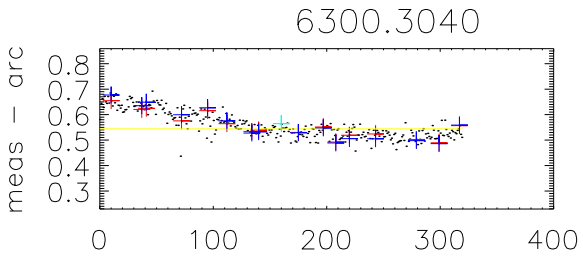

PLATE=0705 MJD=52200 Scattered Light before halo removal on sdR-r1-00011282.fi
Brightness [electrons/pix]
λ [A]
Error bars denote full range
Min value = 4.856
Max value = 24.827
Mon Feb 25 17:26:20 2008

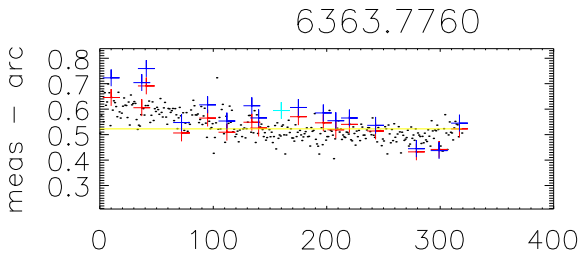

PLATE=0705 MJD=52200 Scattered Light on sdR-r1-00011282.fit
5.5
3.3
1.1
Y [pix]
X [pix]
0
500
1000
1500
2000

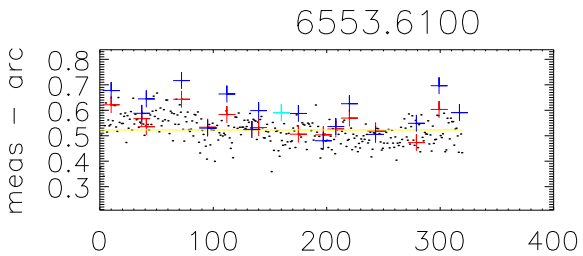

PLATE=0705 MJD=52200 Scattered Light on sdR-r1-00011282.fit
Brightness [electrons/pix]
λ [A]
Error bars denote full range
Min value = 1.560
Max value = 8.398
Mon Feb 25 17:29:13 2008

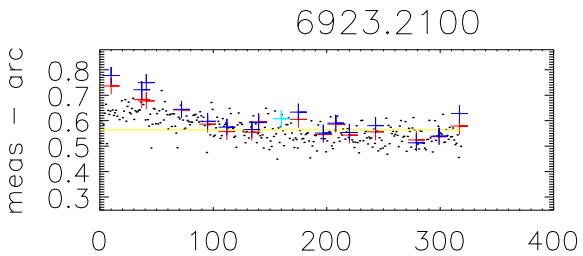

PLATE=0705 MJD=52200 Extraction chi$^2$ for sdR−r1−00011282.fit
BLACK = Final chisq extraction
BLUE = Initial−scattered chisq extraction
GREEN = Initial chisq extraction
$\chi^2$
0
1
2
3
4
0
500
1000
1500
2000
Row number

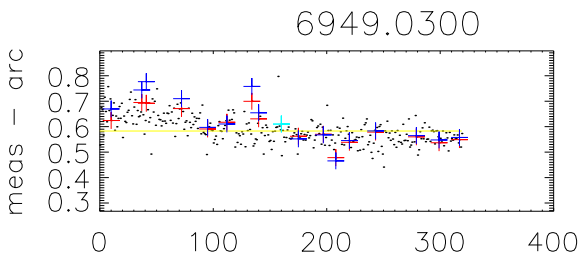

6300.3040
off: 0.56
sig: 0.006
6363.7760
off: 0.59
sig: 0.012
6553.6100
off: 0.59
sig: 0.018
6923.2100
off: 0.61
sig: 0.011
6949.0300
off: 0.61
sig: 0.010
7571.7500
off: 0.64
sig: 0.010
7794.1200
off: 0.52
sig: 0.006
7821.5100
off: 0.57
sig: 0.005
8399.1600
off: 0.59
sig: 0.004
8430.1700
off: 0.58
sig: 0.004
8885.8300
off: 0.58
sig: 0.004
8919.6100
off: 0.58
sig: 0.004

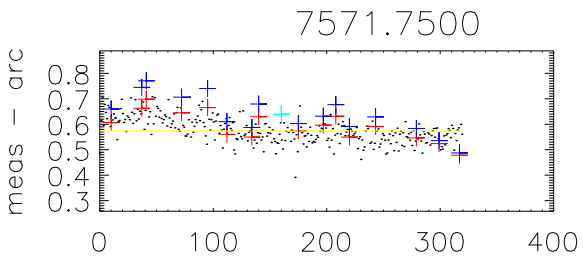

6300.3040
meas − arc
0.8
0.7
0.6
0.5
0.4
0.3
0
100
200
300
400

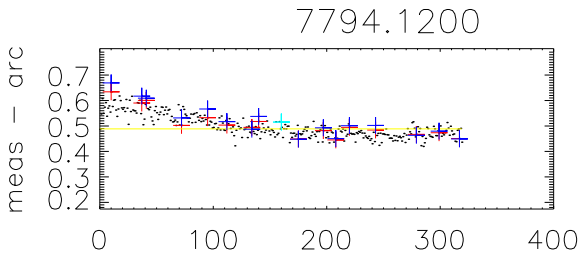

6363.7760
meas − arc
0.8
0.7
0.6
0.5
0.4
0.3
0
100
200
300
400

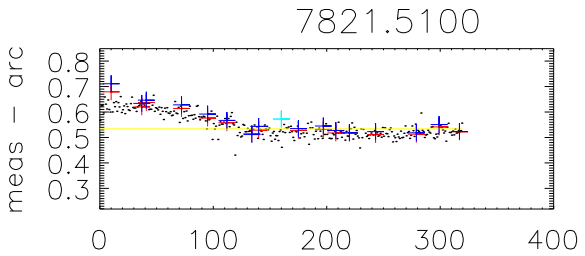

6553.6100
meas − arc
0.8
0.7
0.6
0.5
0.4
0.3
0
100
200
300
400

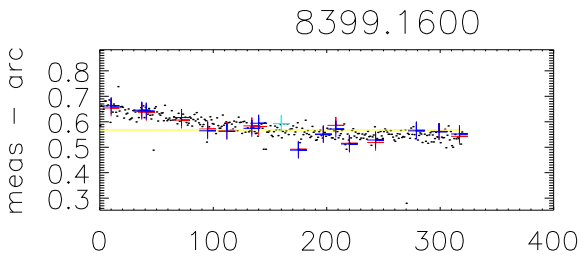

6923.2100
meas − arc
0.8
0.7
0.6
0.5
0.4
0.3
0
100
200
300
400

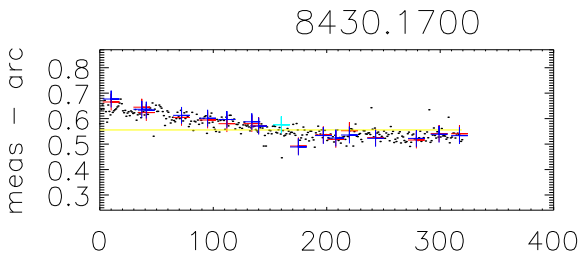

6949.0300
meas − arc
0.8
0.7
0.6
0.5
0.4
0.3
0
100
200
300
400

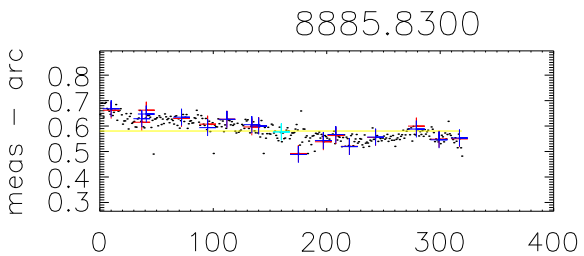

7571.7500
meas − arc
0.8
0.7
0.6
0.5
0.4
0.3
0
100
200
300
400

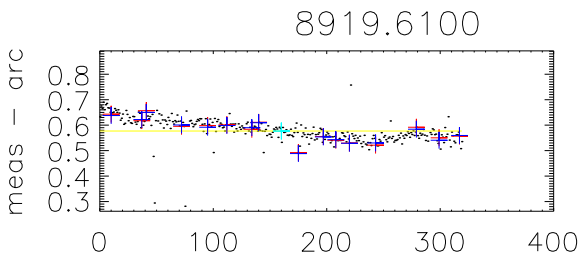

7794.1200
meas − arc
0.7
0.6
0.5
0.4
0.3
0.2
0
100
200
300
400

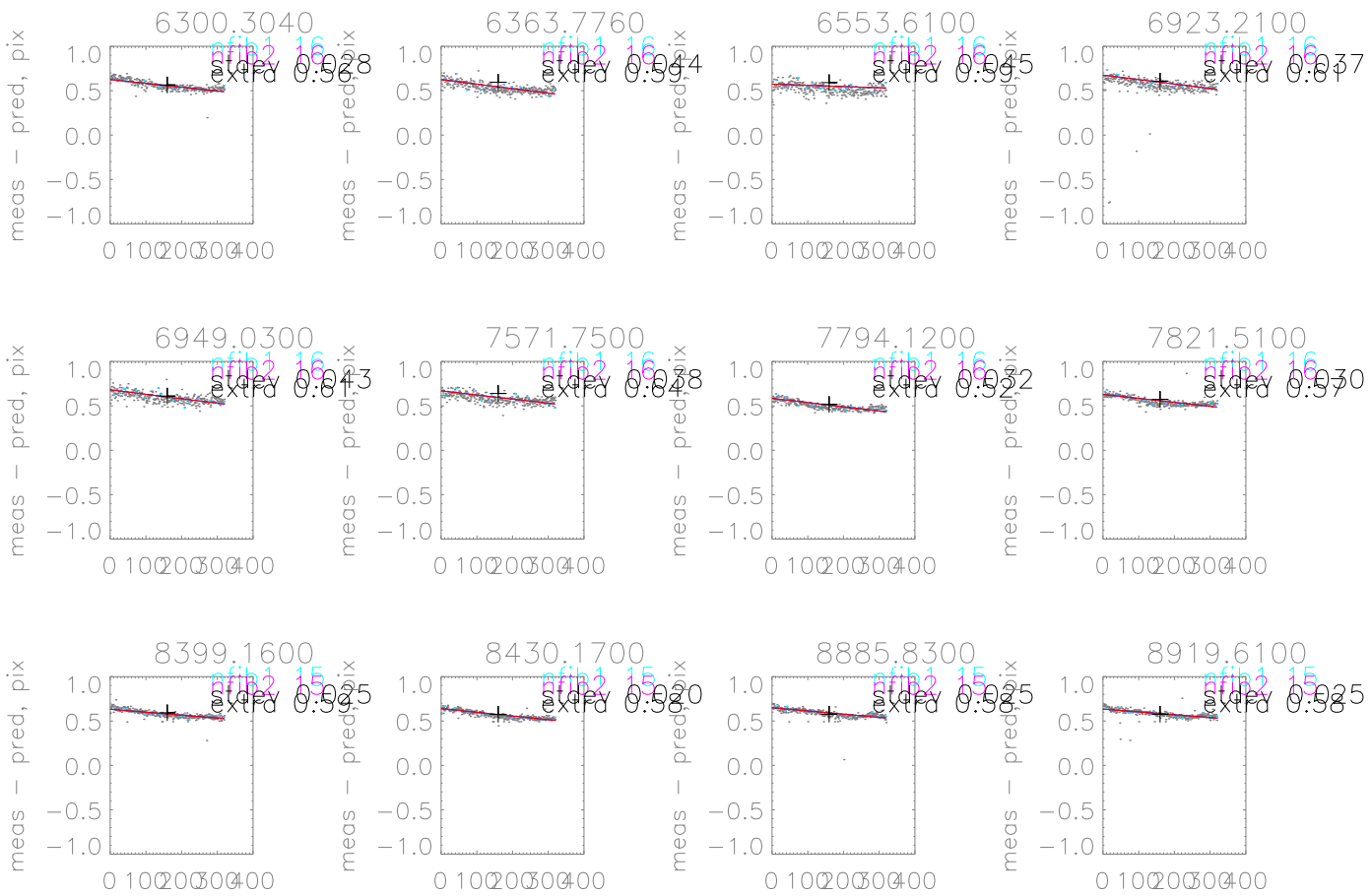

7821.5100
meas − arc
0.8
0.7
0.6
0.5
0.4
0.3
0
100
200
300
400

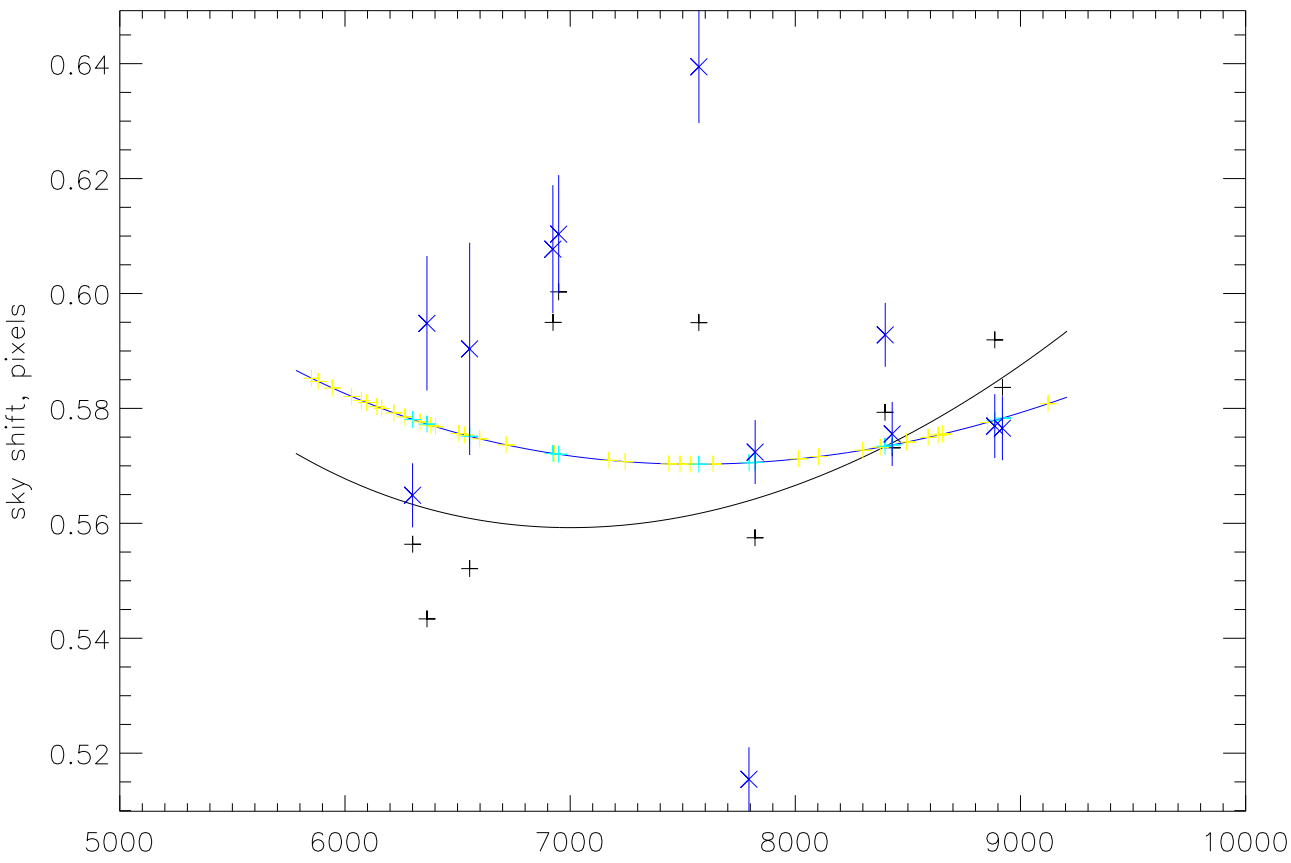

8399.1600
meas − arc
0.8
0.7
0.6
0.5
0.4
0.3
0
100
200
300
400

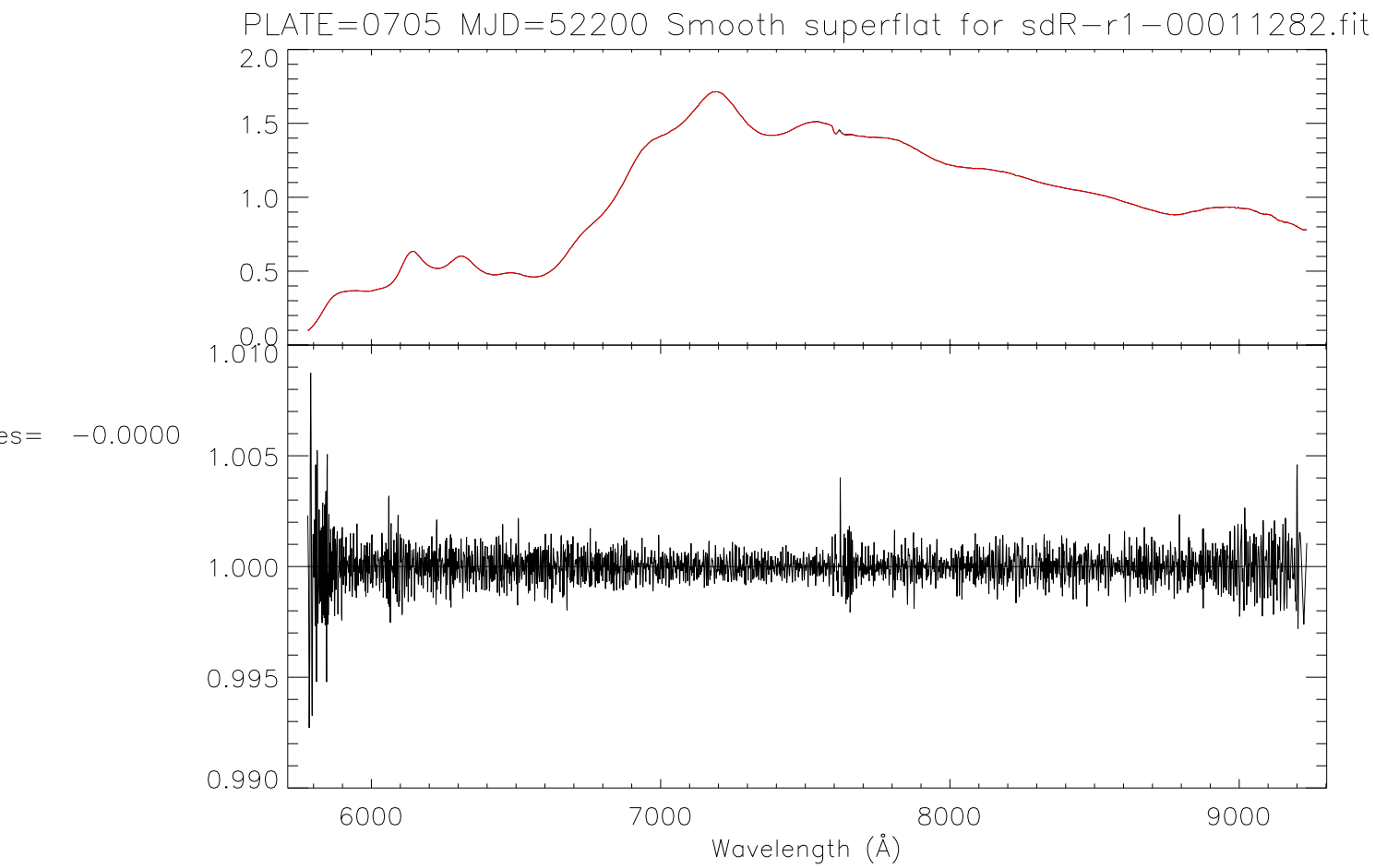

8430.1700
meas − arc
0.8
0.7
0.6
0.5
0.4
0.3
0
100
200
300
400

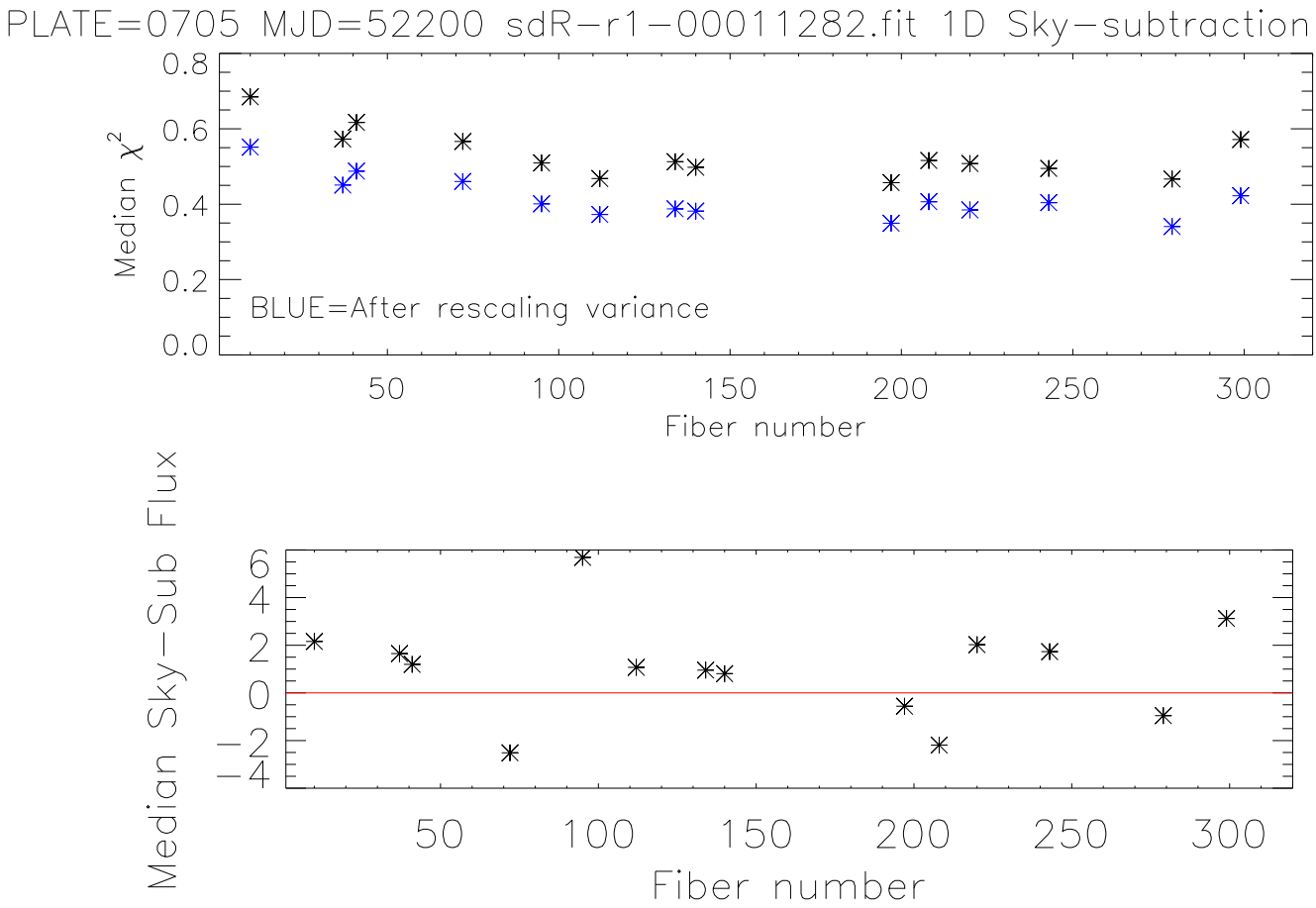

8885.8300
meas − arc
0.8
0.7
0.6
0.5
0.4
0.3
0
100
200
300
400


8919.6100
meas − arc
0.8
0.7
0.6
0.5
0.4
0.3
0
100
200
300
400

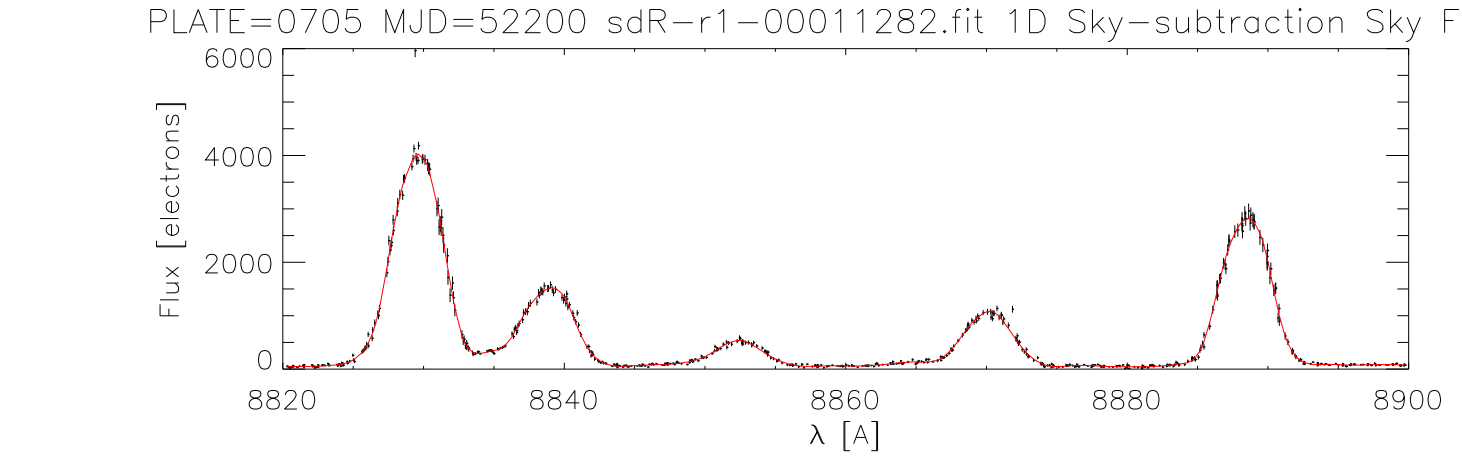

6300.3040
stdev 0.028
extra 0.56
6363.7760
stdev 0.044
extra 0.59
6553.6100
stdev 0.045
extra 0.59
6923.2100
stdev 0.037
extra 0.61
6949.0300
stdev 0.043
extra 0.61
7571.7500
stdev 0.038
extra 0.64
7794.1200
stdev 0.032
extra 0.52
7821.5100
stdev 0.030
extra 0.57
8399.1600
stdev 0.025
extra 0.59
8430.1700
stdev 0.020
extra 0.58
8885.8300
stdev 0.025
extra 0.58
8919.6100
stdev 0.025
extra 0.58
meas − pred, pix
mfb2 16
mfb1 15

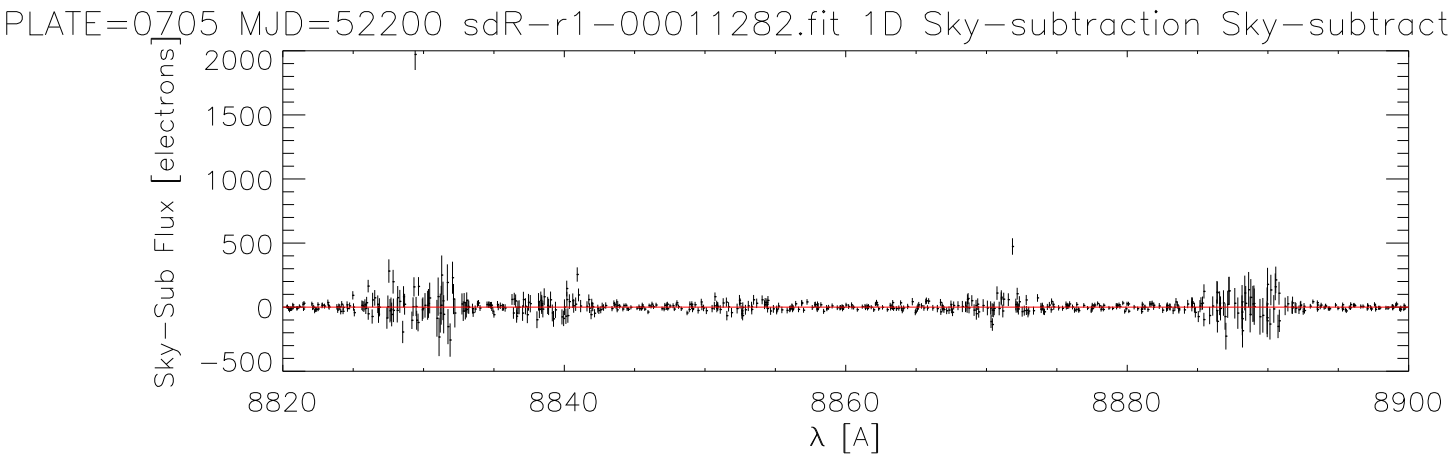

sky shift, pixels
0.64
0.62
0.60
0.58
0.56
0.54
0.52
5000
6000
7000
8000
9000
10000

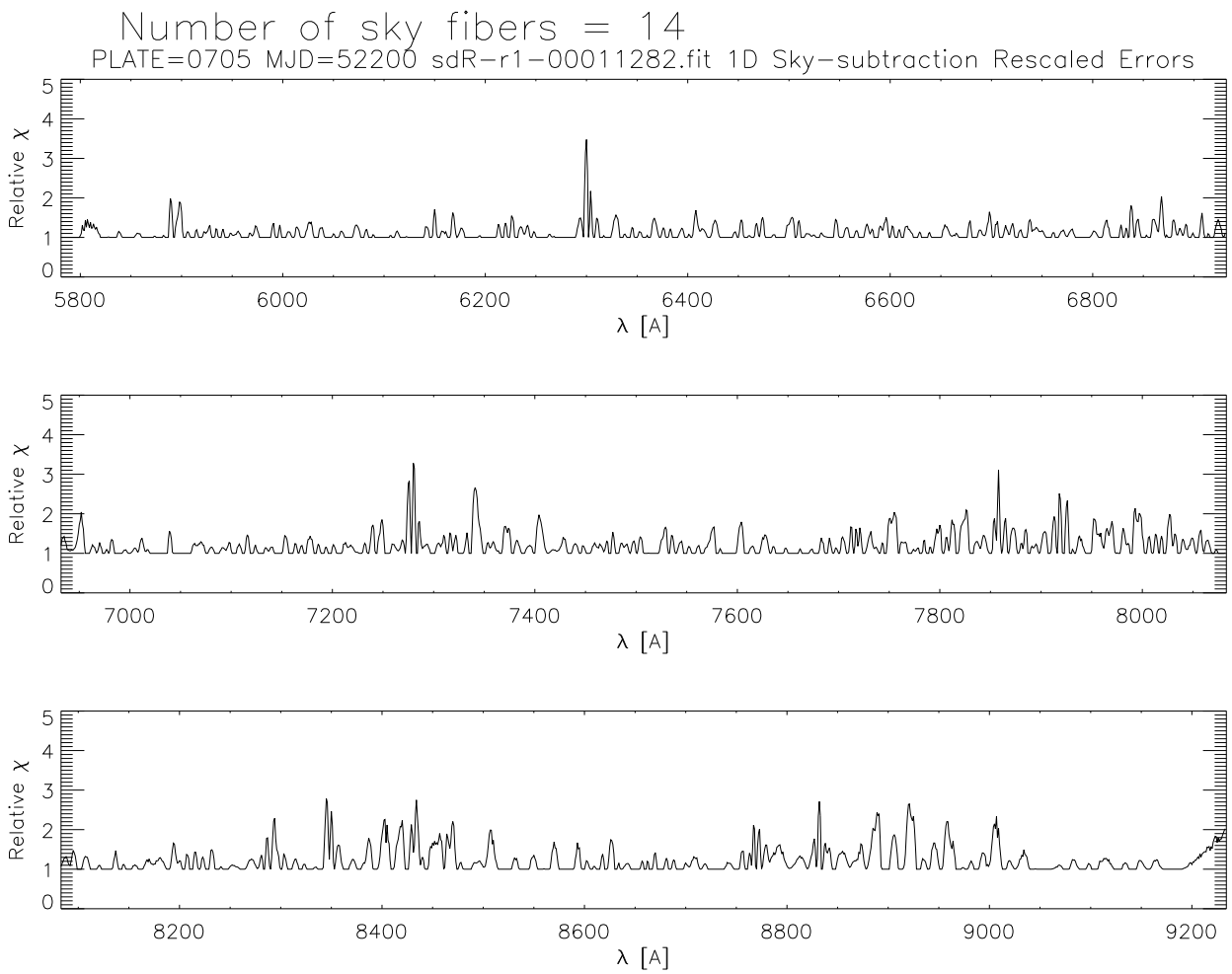

PLATE=0705 MJD=52200 Smooth superflat for sdR-r1-00011282.fit
2.0
1.5
1.0
0.5
0.0
1.010
1.005
1.000
0.995
0.990
es= −0.0000
6000
7000
8000
9000
Wavelength (Å)

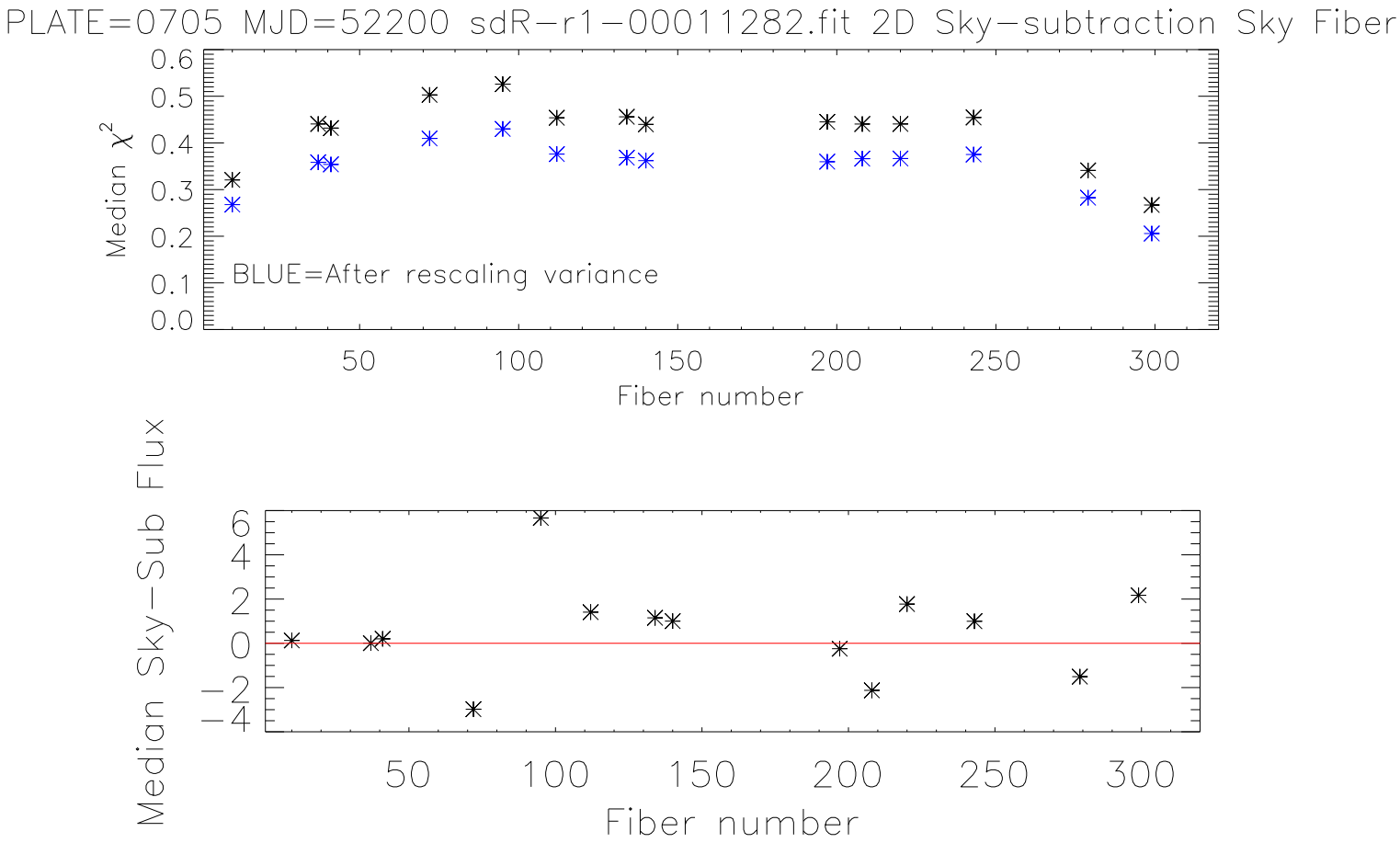

PLATE=0705 MJD=52200 sdR-r1-00011282.fit 1D Sky-subtraction Sky Fibers
Median $\chi^2$
0.0
0.2
0.4
0.6
0.8
BLUE=After rescaling variance
50
100
150
200
250
300
Fiber number

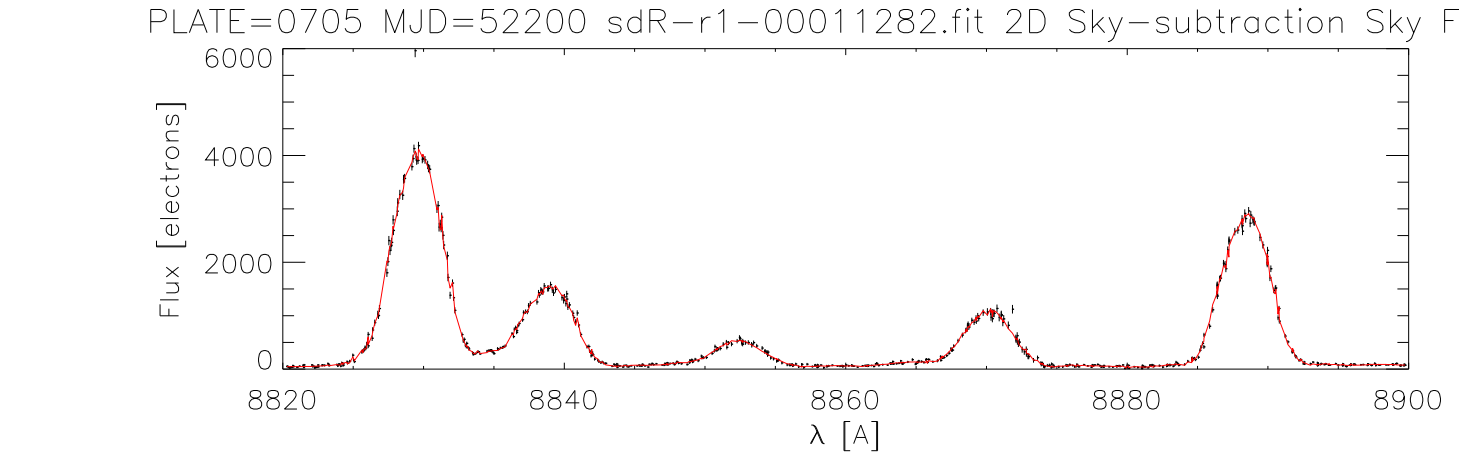

Median Sky-Sub Flux
-4
-2
0
2
4
6
50
100
150
200
250
300
Fiber number

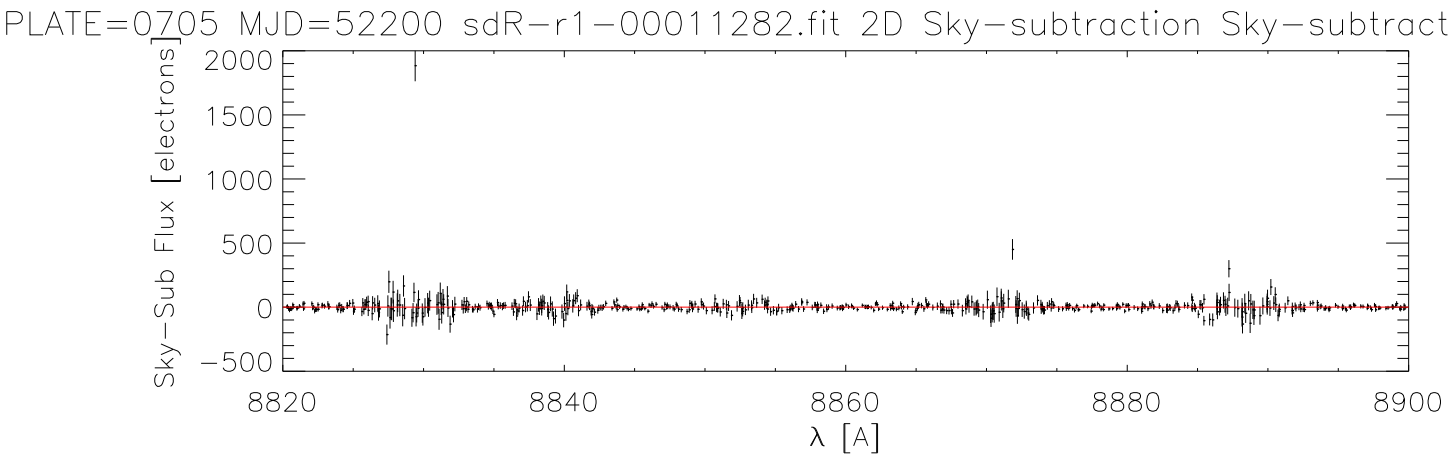

PLATE=0705 MJD=52200 sdR-r1-00011282.fit 1D Sky-subtraction Sky Fibers
Flux [electrons]
6000
4000
2000
0
8820
8840
8860
8880
8900
λ [A]

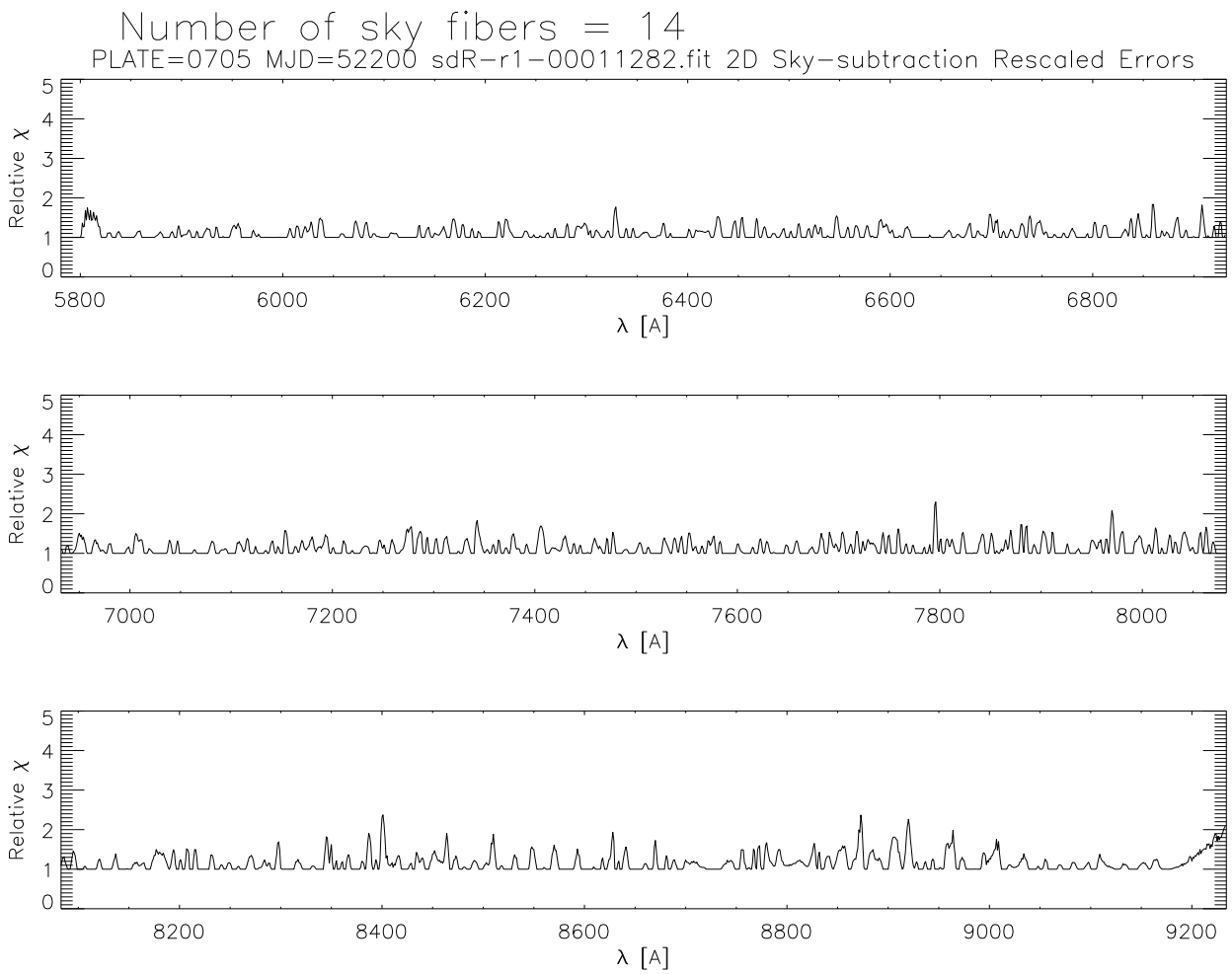

PLATE=0705 MJD=52200 sdR-r1-00011282.fit 1D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
2000
1500
1000
500
0
-500
8820
8840
8860
8880
8900
λ [A]

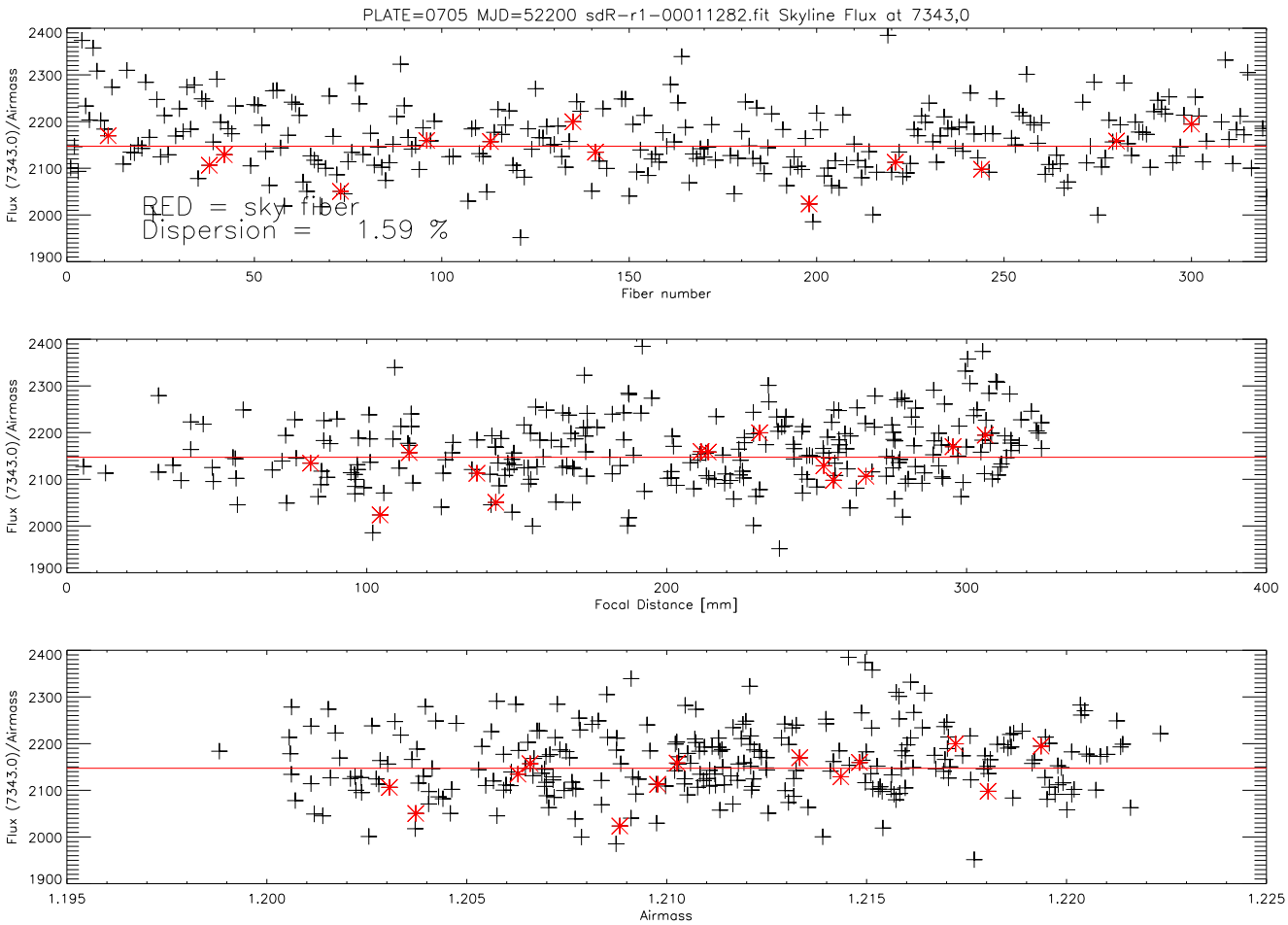

Number of sky fibers = 14
PLATE=0705 MJD=52200 sdR-r1-00011282.fit 1D Sky-subtraction Rescaled Errors
Relative χ
λ [A]
5800
6000
6200
6400
6600
6800
7000
7200
7400
7600
7800
8000
8200
8400
8600
8800
9000
9200

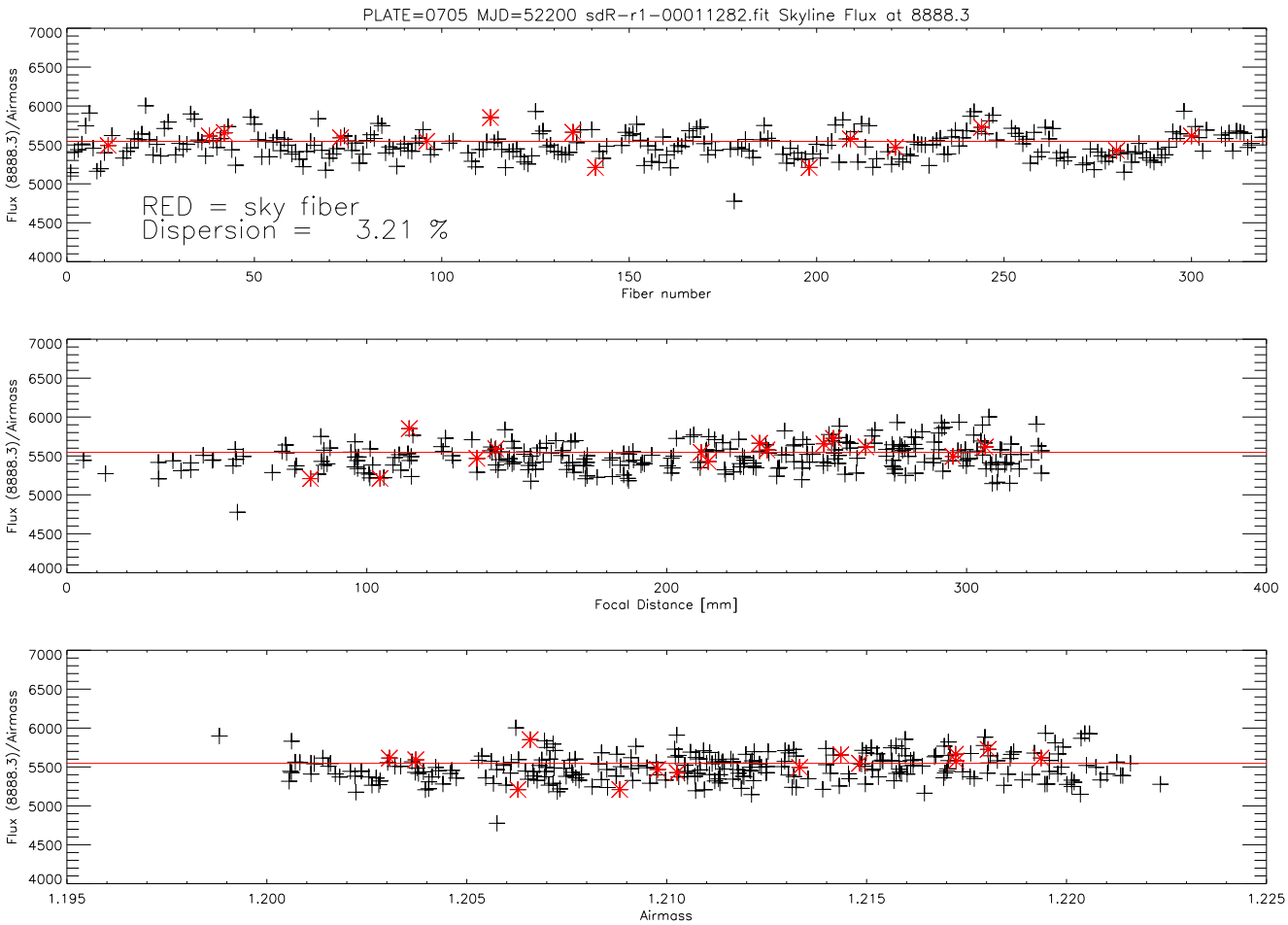

PLATE=0705 MJD=52200 sdR-r1-00011282.fit 2D Sky-subtraction Sky Fibers
Median $\chi^2$
BLUE=After rescaling variance
Fiber number
Median Sky-Sub Flux
Fiber number

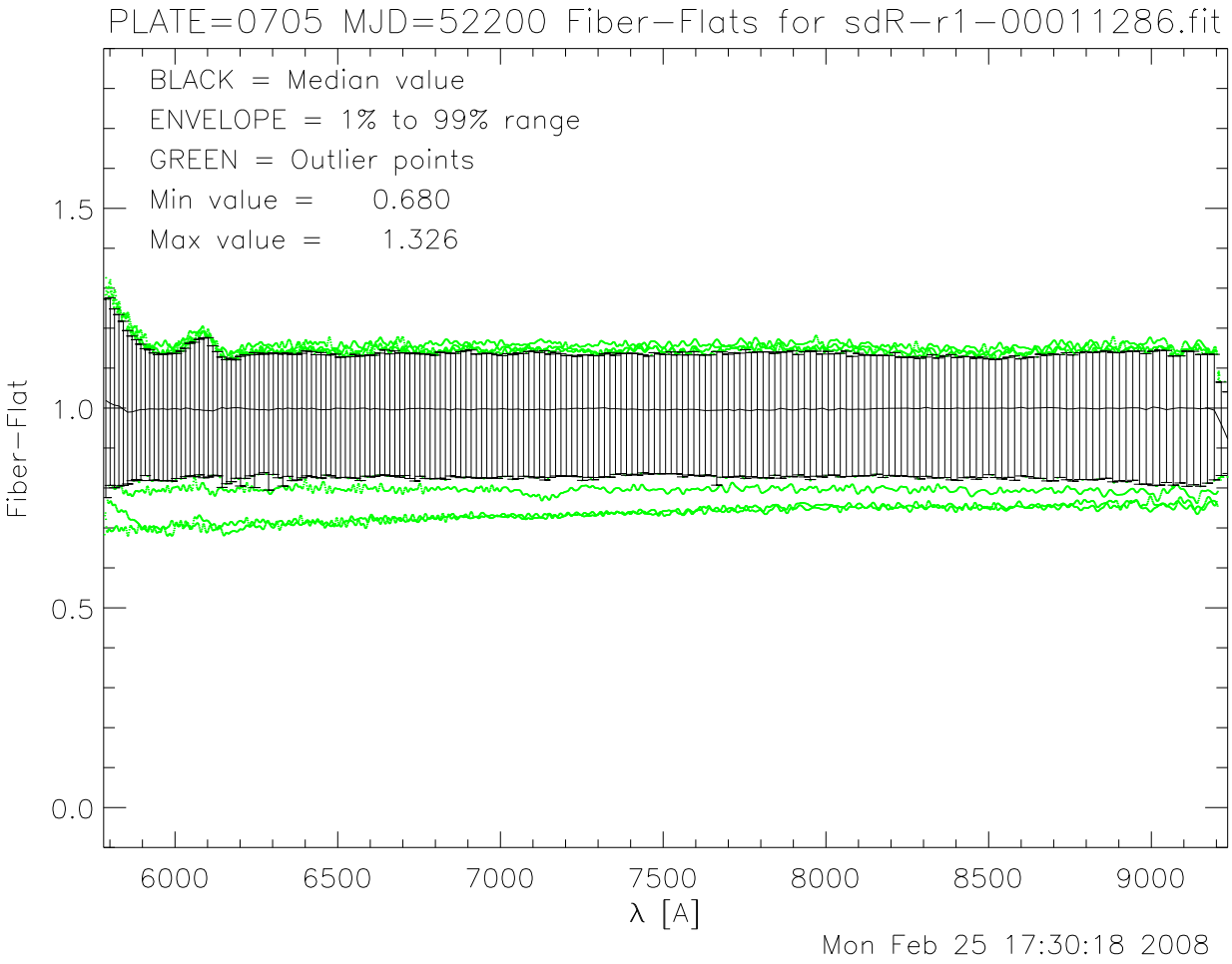

PLATE=0705 MJD=52200 sdR-r1-00011282.fit 2D Sky-subtraction Sky Fibers
Flux [electrons]
6000
4000
2000
0
8820
8840
8860
8880
8900
λ [A]

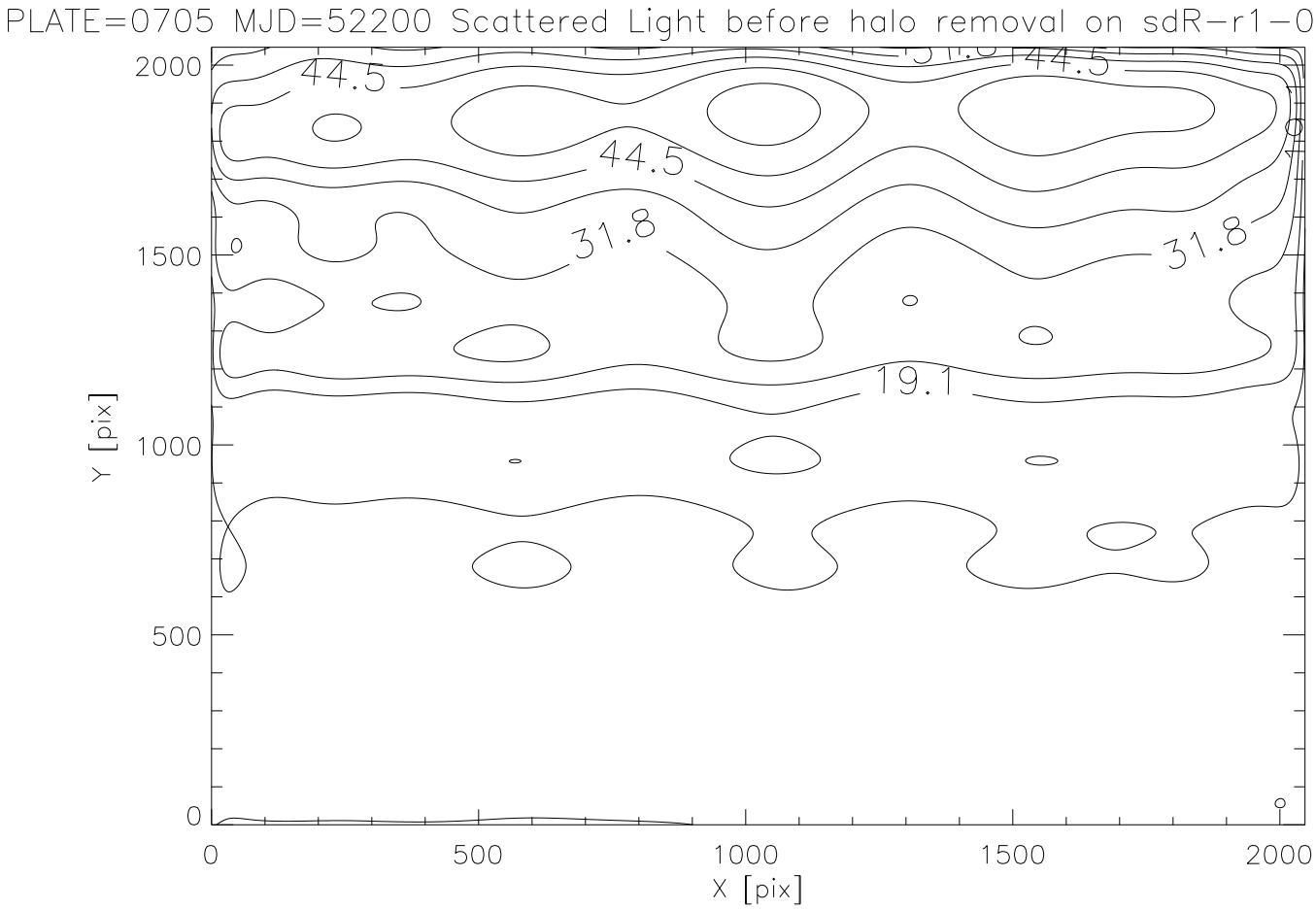

PLATE=0705 MJD=52200 sdR-r1-00011282.fit 2D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
2000
1500
1000
500
0
-500
8820
8840
8860
8880
8900
λ [A]

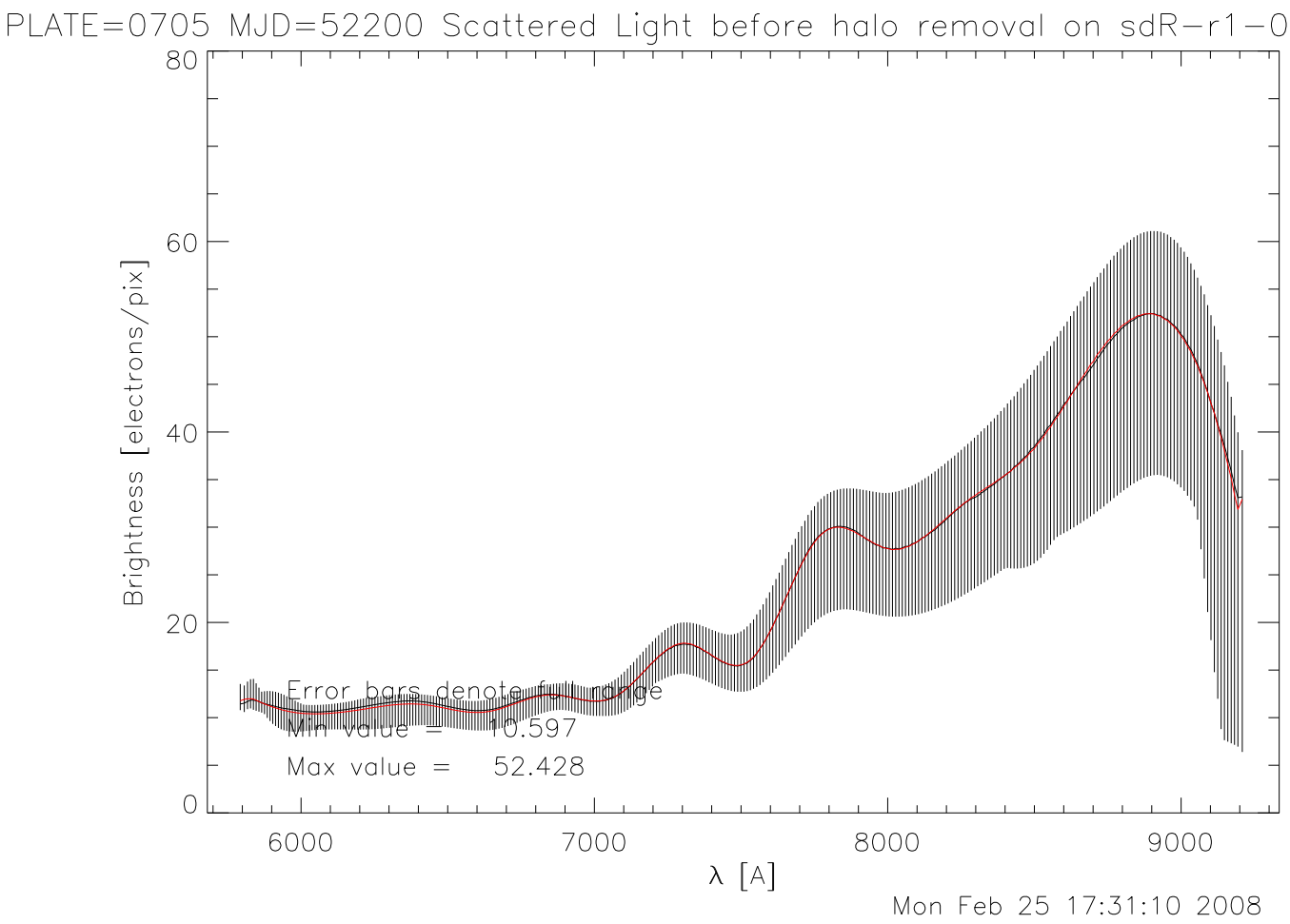

Number of sky fibers = 14
PLATE=0705 MJD=52200 sdR-r1-00011282.fit 2D Sky-subtraction Rescaled Errors
Relative χ
λ [A]
5800
6000
6200
6400
6600
6800
7000
7200
7400
7600
7800
8000
8200
8400
8600
8800
9000
9200
0
1
2
3
4
5

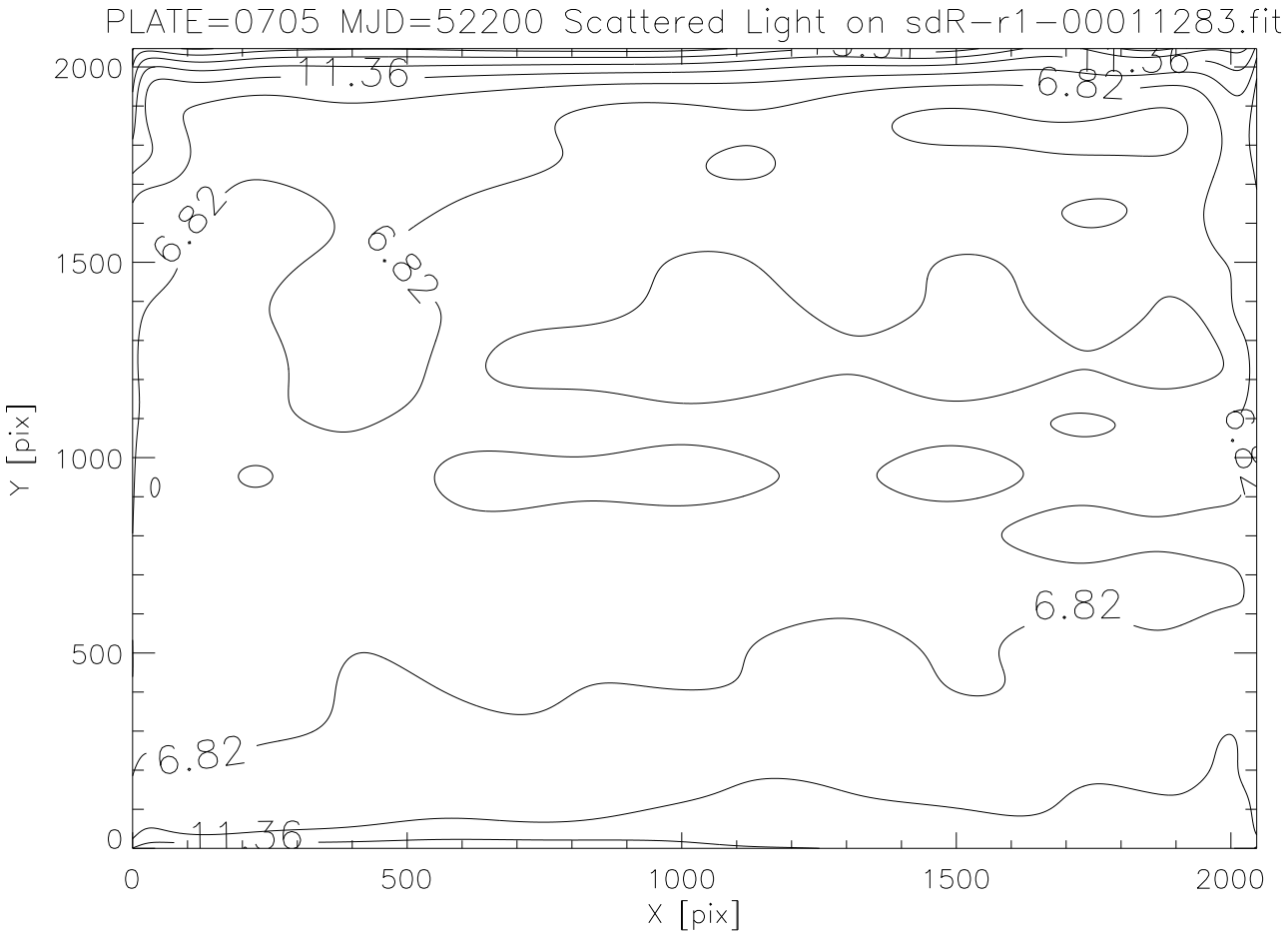

PLATE=0705 MJD=52200 sdR-r1-00011282.fit Skyline Flux at 7343,0
Flux (7343.0)/Airmass
RED = sky fiber
Dispersion = 1.59 %
Fiber number
Flux (7343.0)/Airmass
Focal Distance [mm]
Flux (7343.0)/Airmass
Airmass

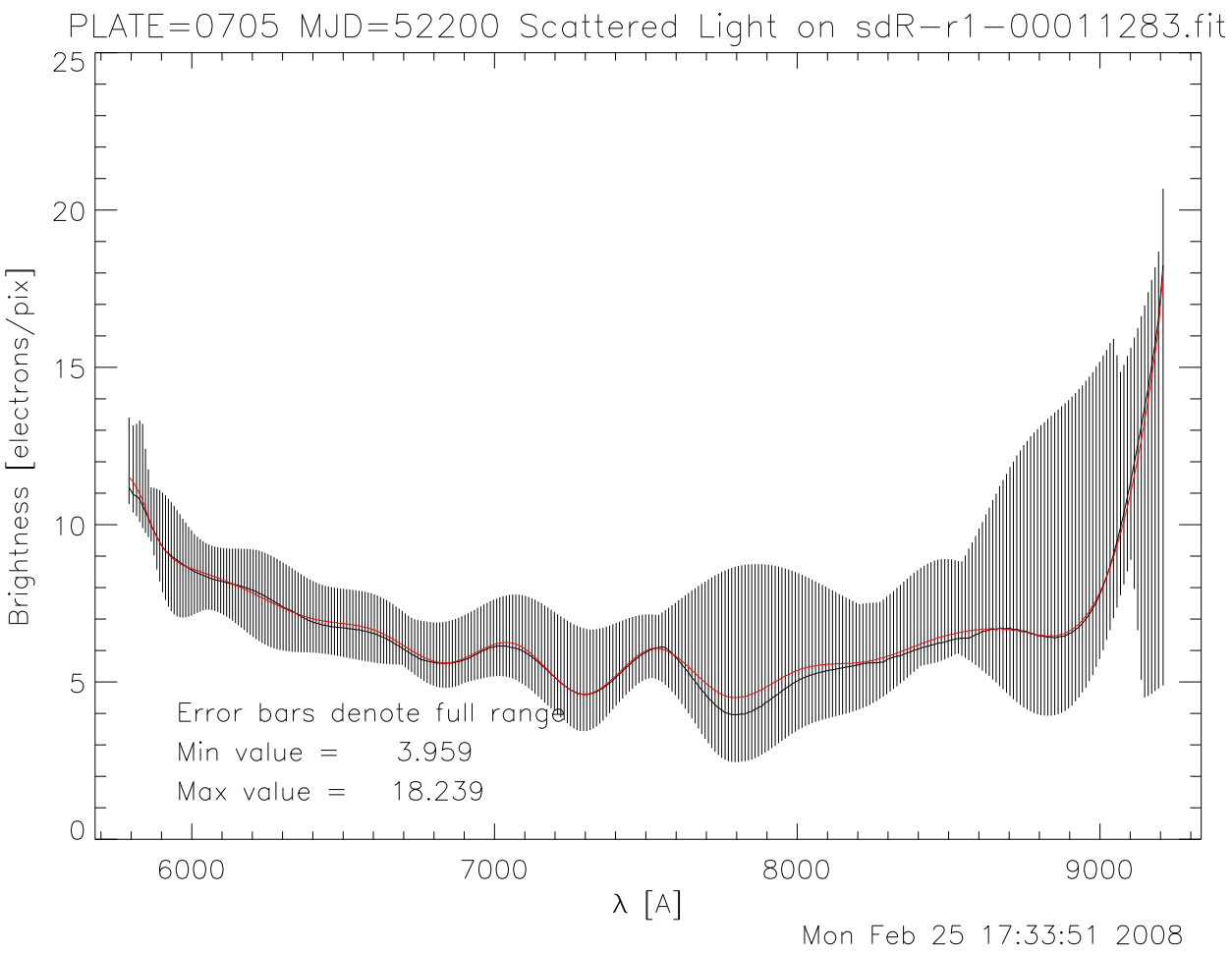

PLATE=0705 MJD=52200 sdR-r1-00011282.fit Skyline Flux at 8888.3
Flux (8888.3)/Airmass
RED = sky fiber
Dispersion = 3.21 %
Fiber number
Flux (8888.3)/Airmass
Focal Distance [mm]
Flux (8888.3)/Airmass
Airmass

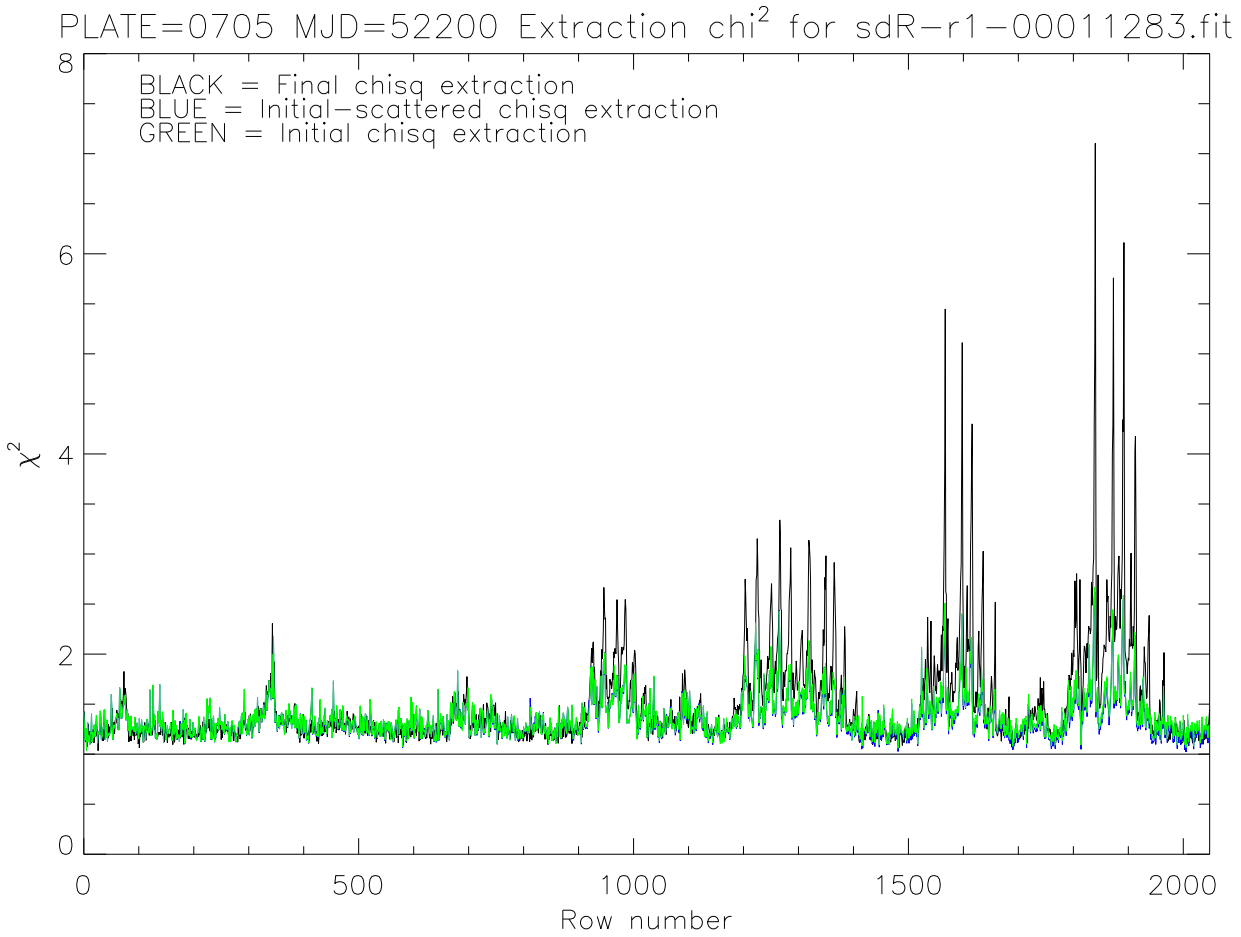

PLATE=0705 MJD=52200 Fiber−Flats for sdR−r1−00011286.fit
BLACK = Median value
ENVELOPE = 1% to 99% range
GREEN = Outlier points
Min value = 0.680
Max value = 1.326
Fiber−Flat
1.5
1.0
0.5
0.0
6000
6500
7000
7500
8000
8500
9000
λ [A]
Mon Feb 25 17:30:18 2008

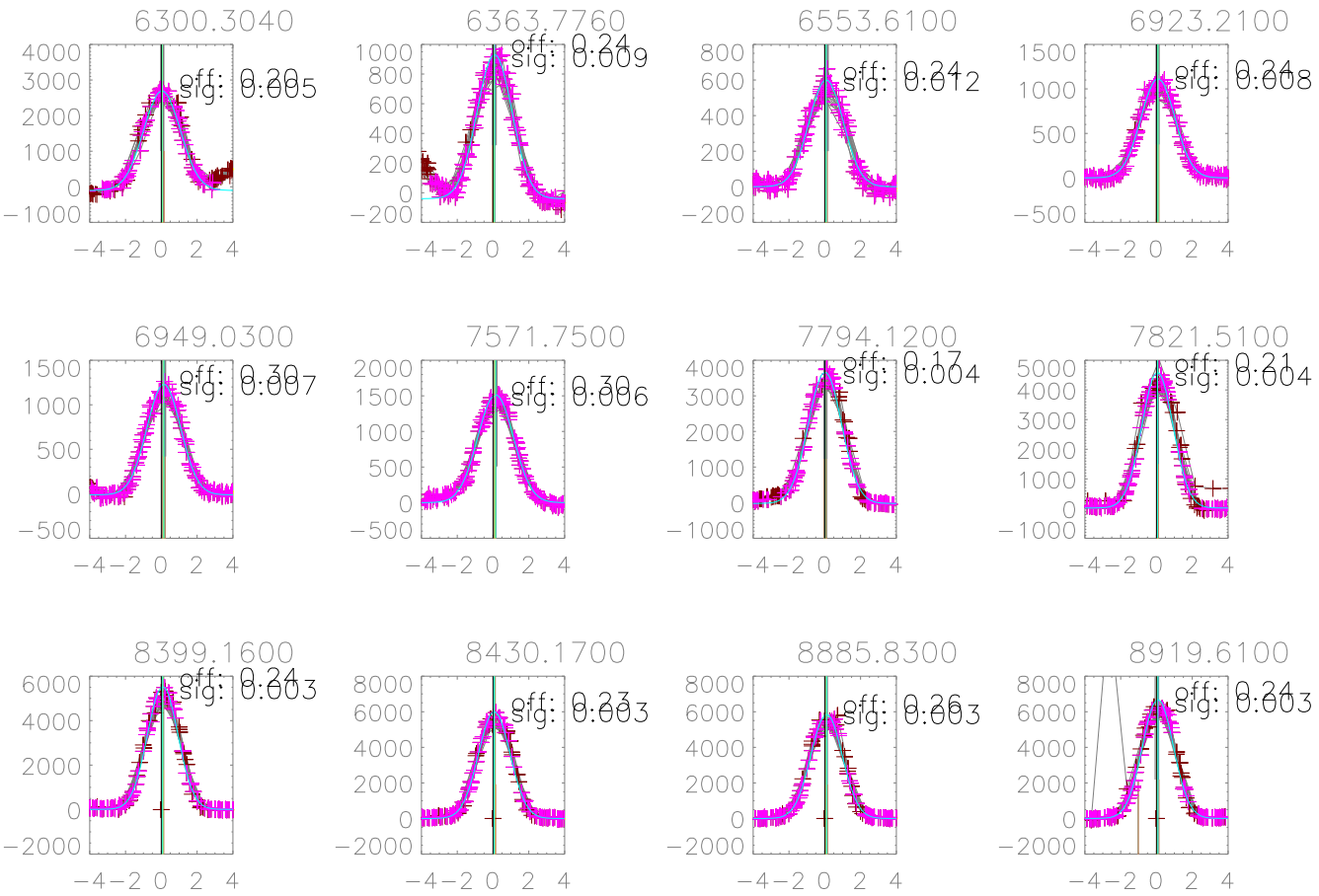

PLATE=0705 MJD=52200 Scattered Light before halo removal on sdR−r1−00011283.fi
44.5
44.5
31.8
31.8
19.1
2000
1500
1000
500
0
Y [pix]
0
500
1000
1500
2000
X [pix]

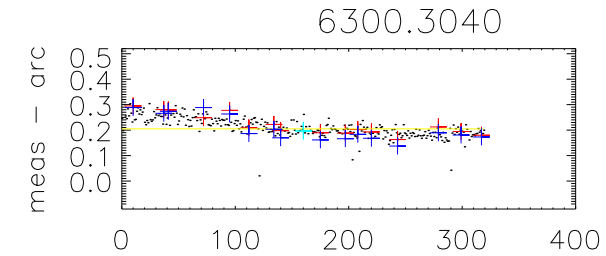

PLATE=0705 MJD=52200 Scattered Light before halo removal on sdR-r1-00011283.fi
Brightness [electrons/pix]
λ [A]
Error bars denote full range
Min value = 10.597
Max value = 52.428
Mon Feb 25 17:31:10 2008

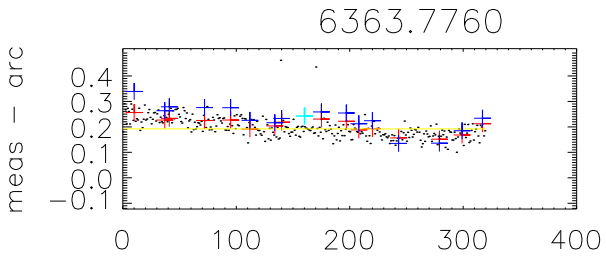

PLATE=0705 MJD=52200 Scattered Light on sdR-r1-00011283.fit
11.36
6.82
6.82
6.82
6.82
6.82
6.82
11.36
0
2000
1500
1000
500
0
Y [pix]
0
500
1000
1500
2000
X [pix]

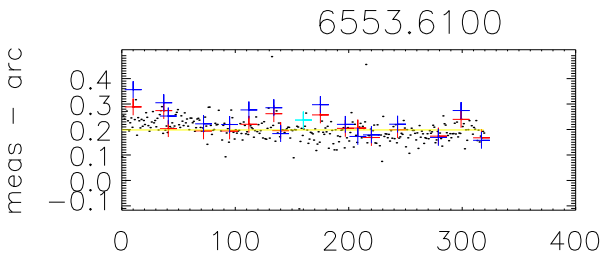

PLATE=0705 MJD=52200 Scattered Light on sdR-r1-00011283.fit
Brightness [electrons/pix]
25
20
15
10
5
0
6000
7000
8000
9000
λ [A]
Error bars denote full range
Min value = 3.959
Max value = 18.239
Mon Feb 25 17:33:51 2008

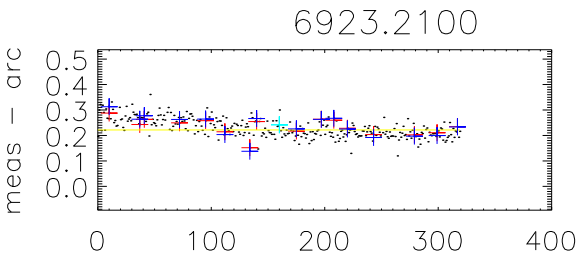

PLATE=0705 MJD=52200 Extraction chi$^2$ for sdR−r1−00011283.fit
BLACK = Final chisq extraction
BLUE = Initial−scattered chisq extraction
GREEN = Initial chisq extraction
$\chi^2$
0
2
4
6
8
0
500
1000
1500
2000
Row number

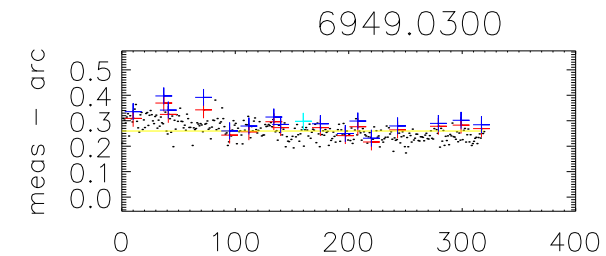

6300.3040
off: 0.20
sig: 0.005
6363.7760
off: 0.24
sig: 0.009
6553.6100
off: 0.24
sig: 0.012
6923.2100
off: 0.24
sig: 0.008
6949.0300
off: 0.30
sig: 0.007
7571.7500
off: 0.30
sig: 0.006
7794.1200
off: 0.17
sig: 0.004
7821.5100
off: 0.21
sig: 0.004
8399.1600
off: 0.24
sig: 0.003
8430.1700
off: 0.23
sig: 0.003
8885.8300
off: 0.26
sig: 0.003
8919.6100
off: 0.24
sig: 0.003

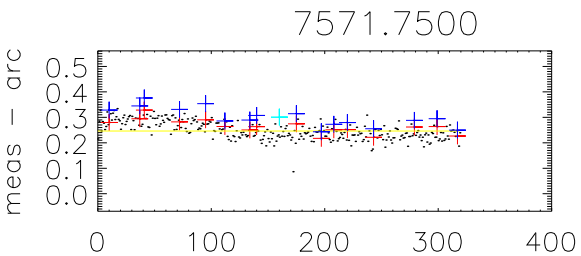

6300.3040
meas − arc
0.5
0.4
0.3
0.2
0.1
0.0
0
100
200
300
400

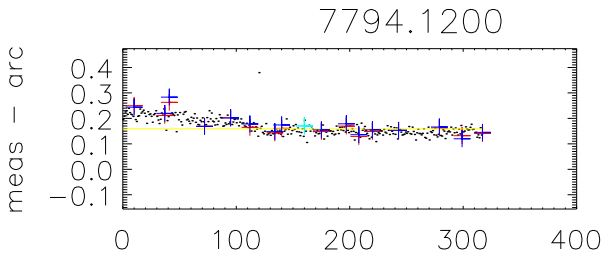

6363.7760
meas − arc
0.4
0.3
0.2
0.1
0.0
−0.1
0
100
200
300
400

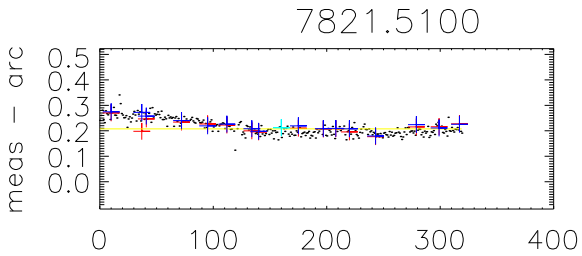

6553.6100
meas − arc
0.4
0.3
0.2
0.1
0.0
−0.1
0
100
200
300
400

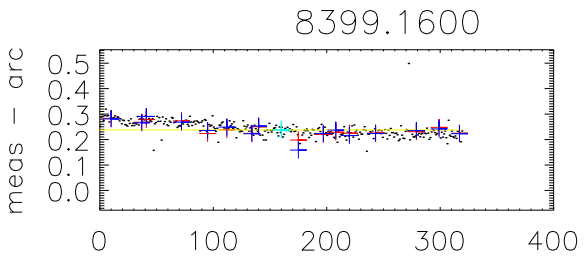

6923.2100
meas − arc
0.5
0.4
0.3
0.2
0.1
0.0
0
100
200
300
400

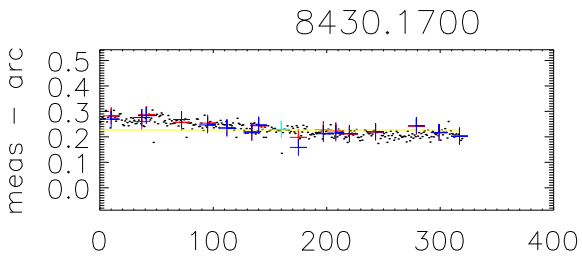

6949.0300
meas − arc
0.5
0.4
0.3
0.2
0.1
0.0
0
100
200
300
400

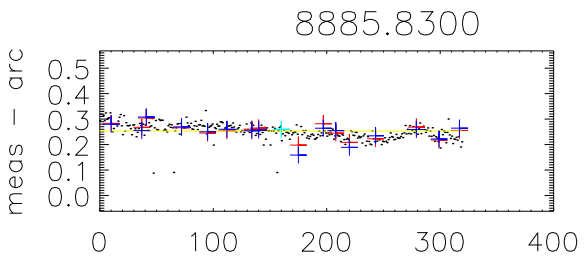

7571.7500
meas − arc
0.5
0.4
0.3
0.2
0.1
0.0
0
100
200
300
400

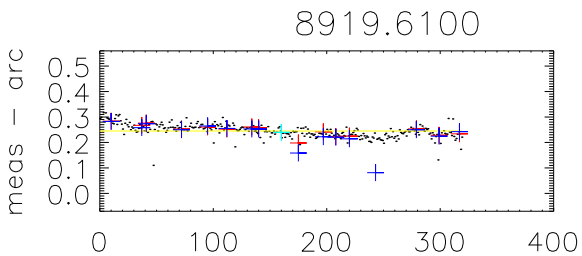

7794.1200
meas − arc
0.4
0.3
0.2
0.1
0.0
−0.1
0
100
200
300
400

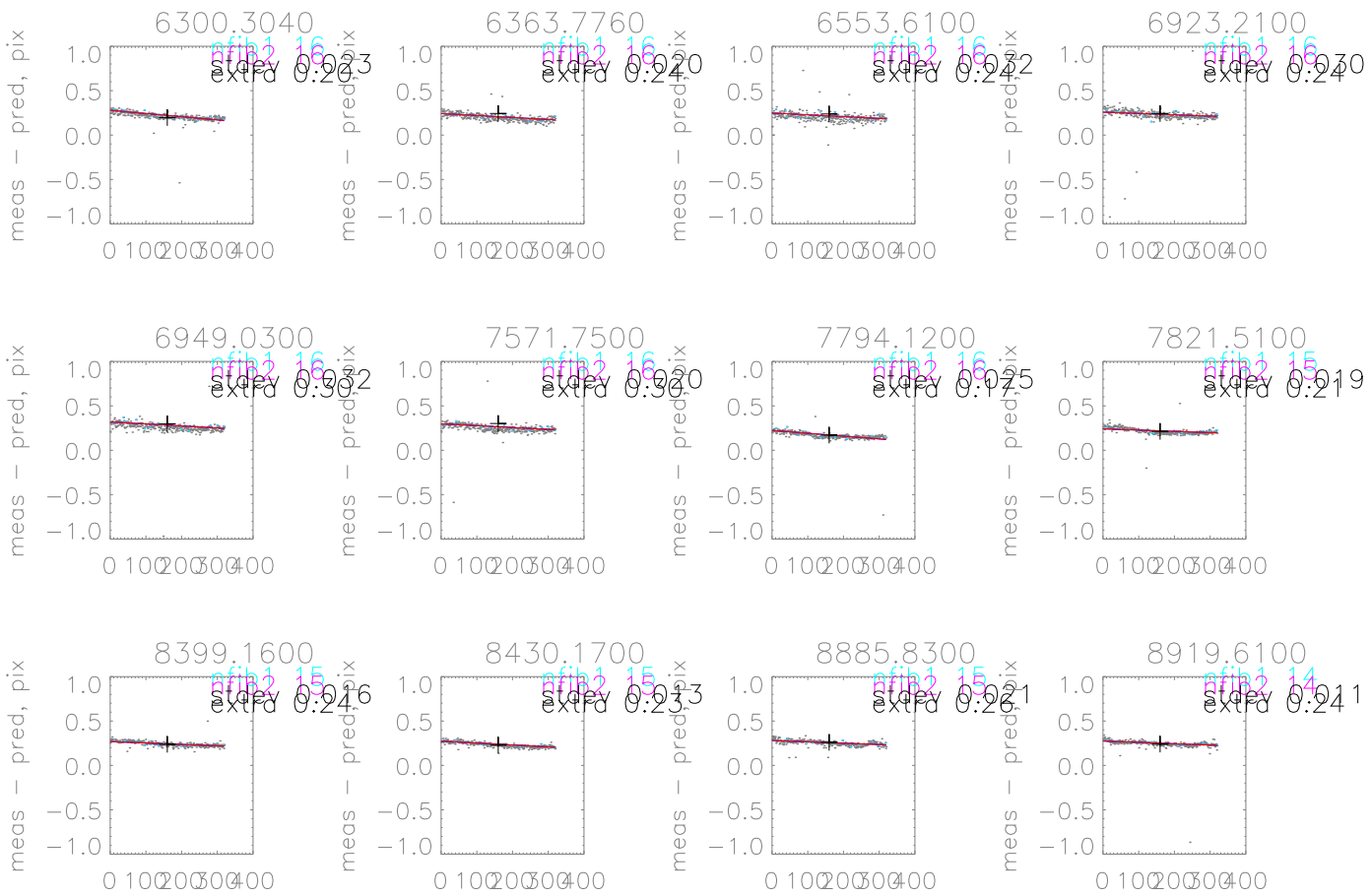

7821.5100
meas − arc
0.5
0.4
0.3
0.2
0.1
0.0
0
100
200
300
400

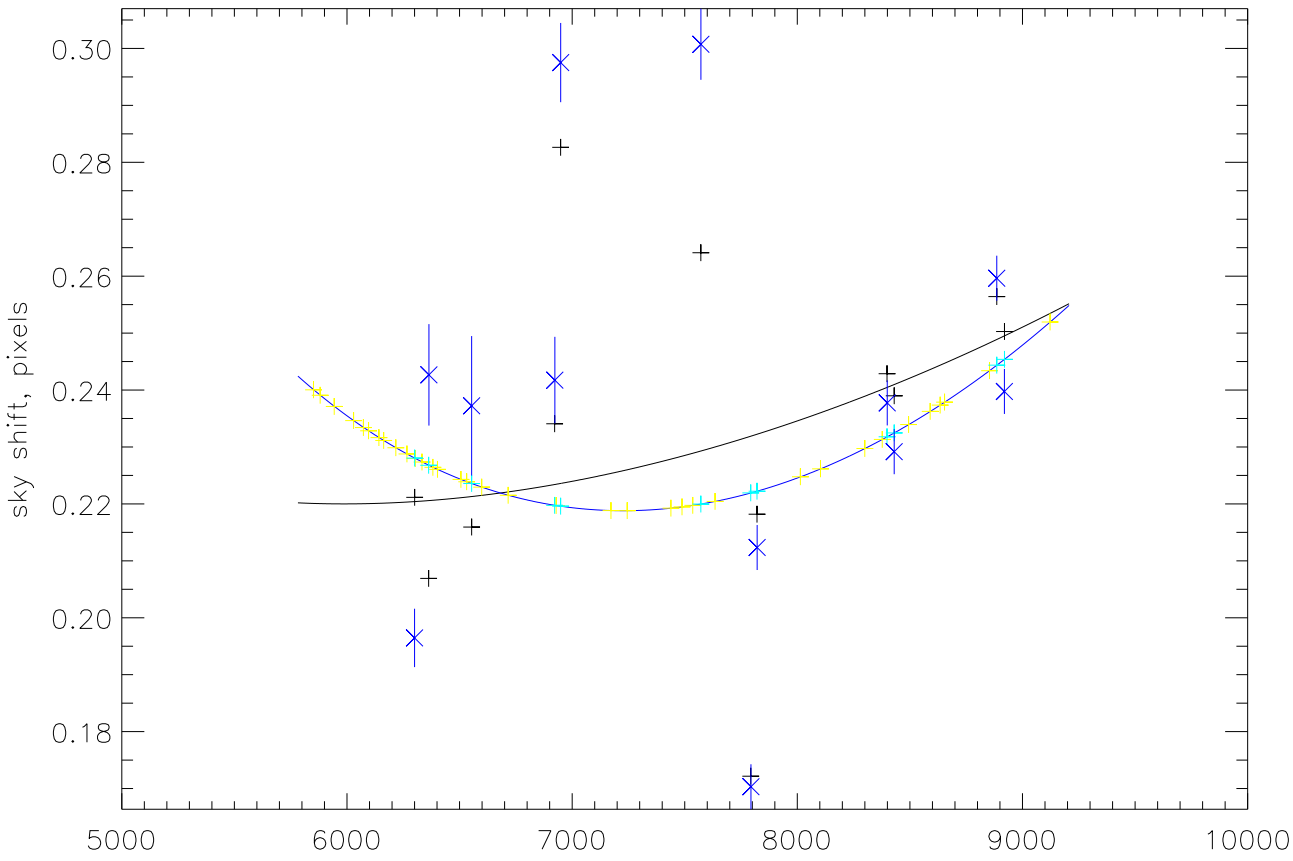

8399.1600
meas − arc
0.5
0.4
0.3
0.2
0.1
0.0
0
100
200
300
400

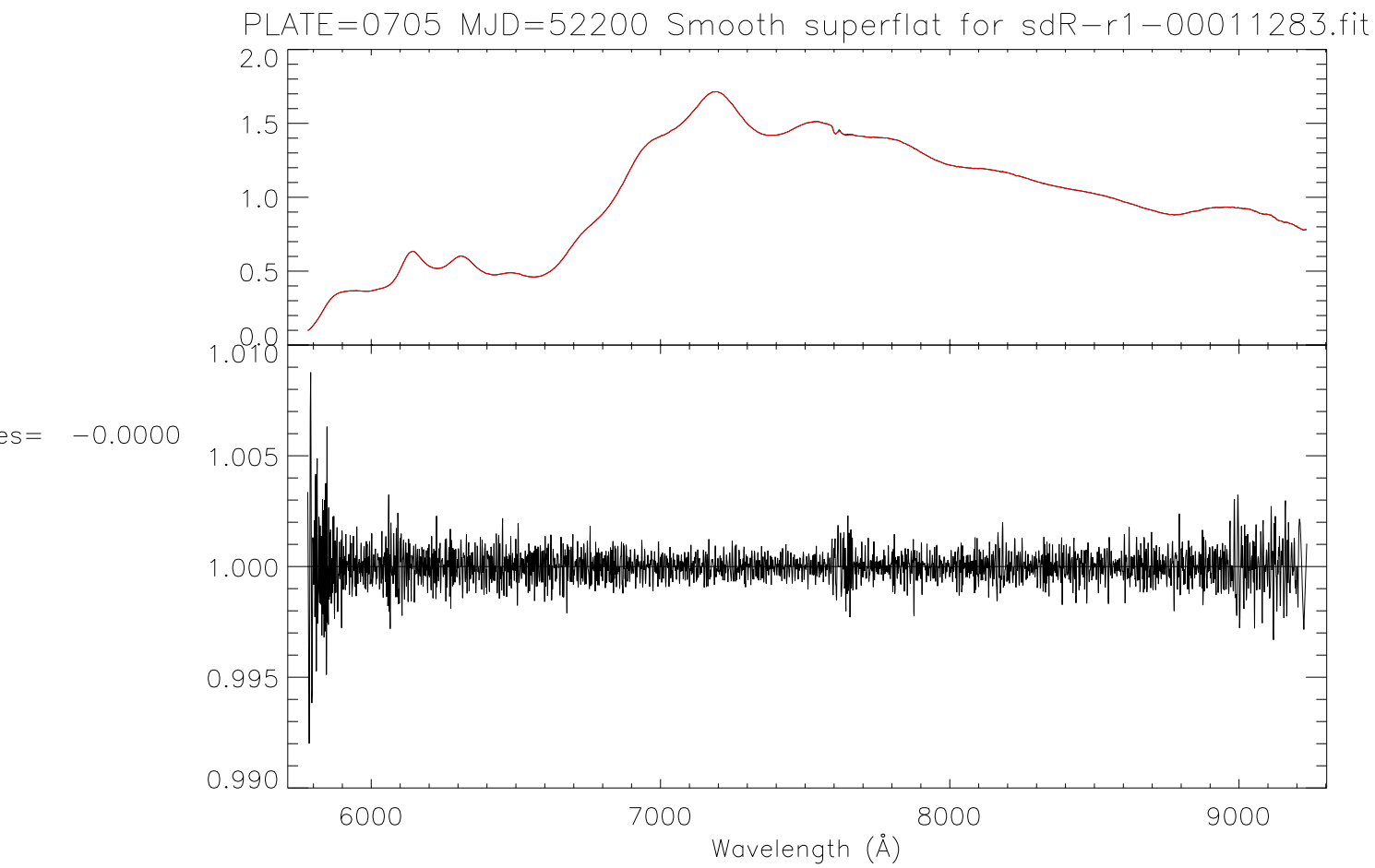

8430.1700
meas − arc
0.5
0.4
0.3
0.2
0.1
0.0
0
100
200
300
400


8885.8300
meas − arc
0.5
0.4
0.3
0.2
0.1
0.0
0
100
200
300
400

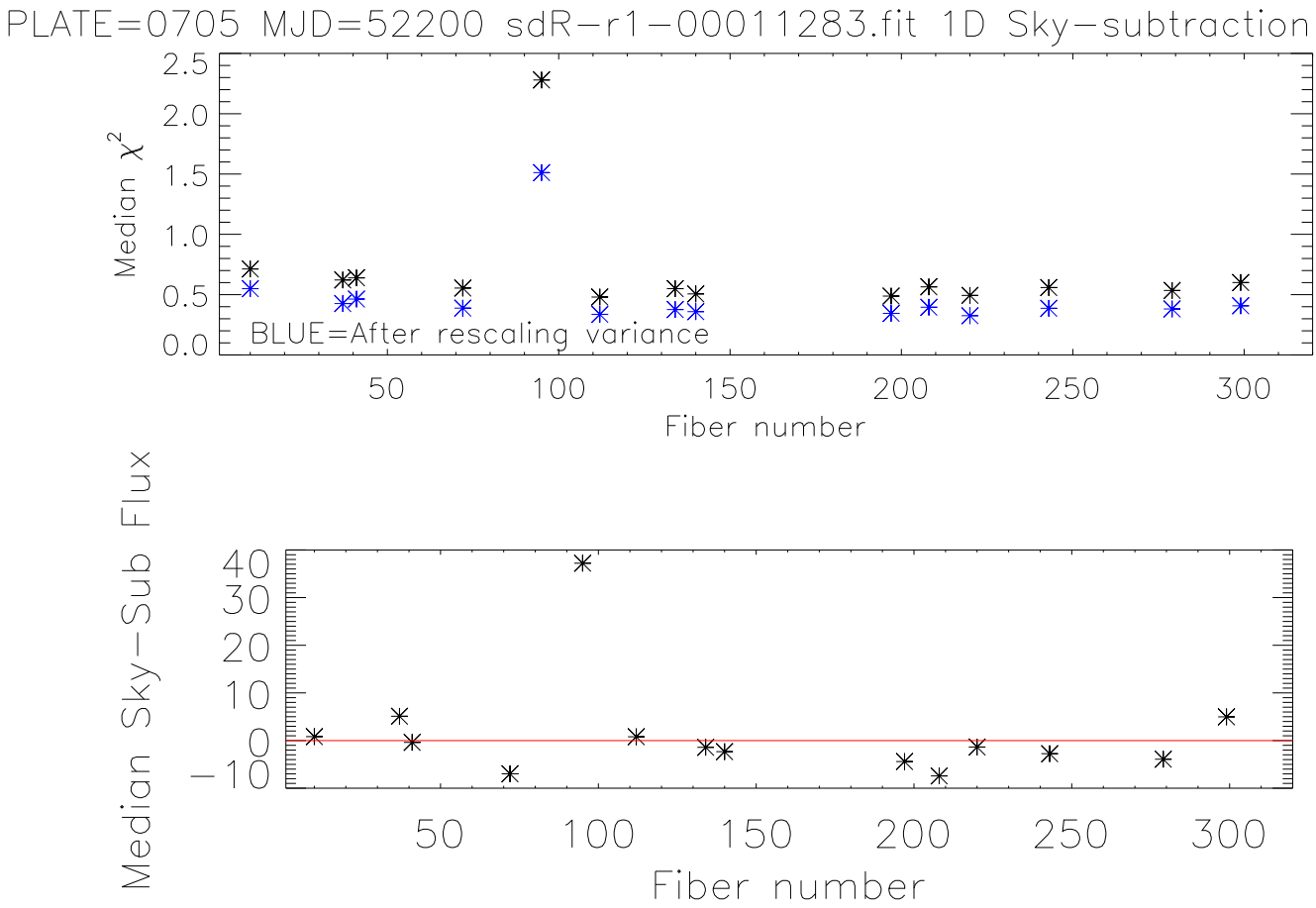

8919.6100
meas − arc
0.5
0.4
0.3
0.2
0.1
0.0
0
100
200
300
400

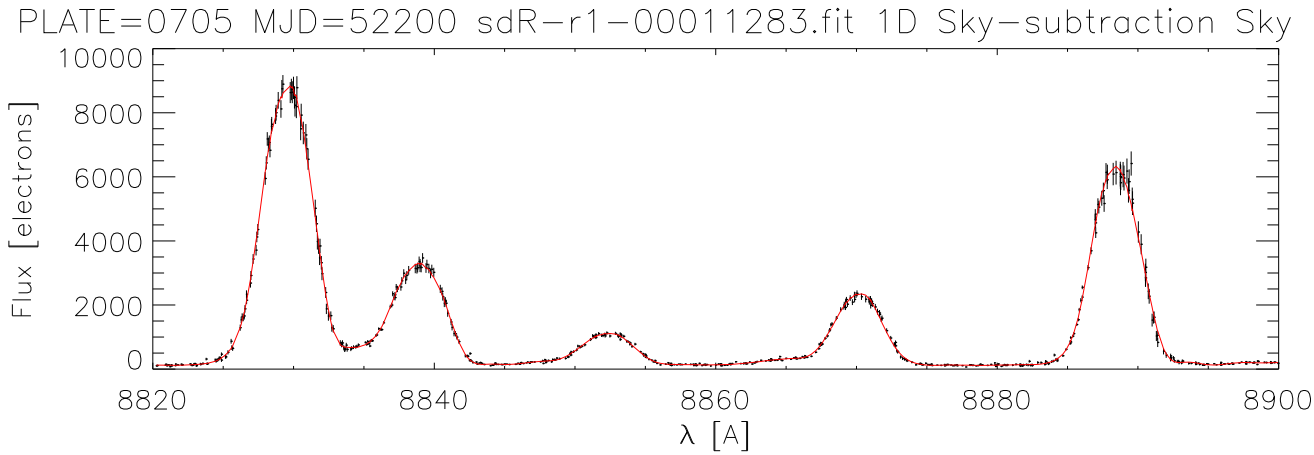

6300.3040
mfib1 16
mfib2 16
stdev 0.023
extra 0.26
6363.7760
mfib1 16
mfib2 16
stdev 0.020
extra 0.24
6553.6100
mfib1 16
mfib2 16
stdev 0.032
extra 0.24
6923.2100
mfib1 16
mfib2 16
stdev 0.030
extra 0.24
6949.0300
mfib1 16
mfib2 16
stdev 0.032
extra 0.30
7571.7500
mfib1 16
mfib2 16
stdev 0.020
extra 0.30
7794.1200
mfib1 16
mfib2 16
stdev 0.025
extra 0.17
7821.5100
mfib1 15
mfib2 15
stdev 0.019
extra 0.21
8399.1600
mfib1 15
mfib2 15
stdev 0.016
extra 0.24
8430.1700
mfib1 15
mfib2 15
stdev 0.013
extra 0.23
8885.8300
mfib1 15
mfib2 15
stdev 0.021
extra 0.26
8919.6100
mfib1 14
mfib2 15
stdev 0.011
extra 0.24
meas − pred, pix
1.0
0.5
0.0
−0.5
−1.0
0 100 200 300 400

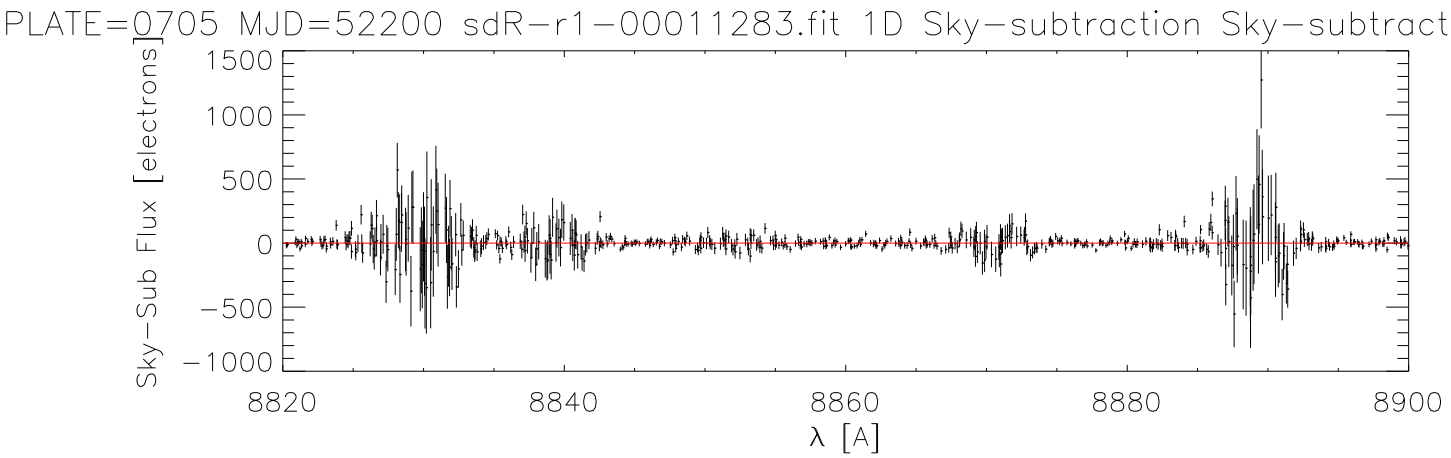

sky shift, pixels
0.30
0.28
0.26
0.24
0.22
0.20
0.18
5000
6000
7000
8000
9000
10000

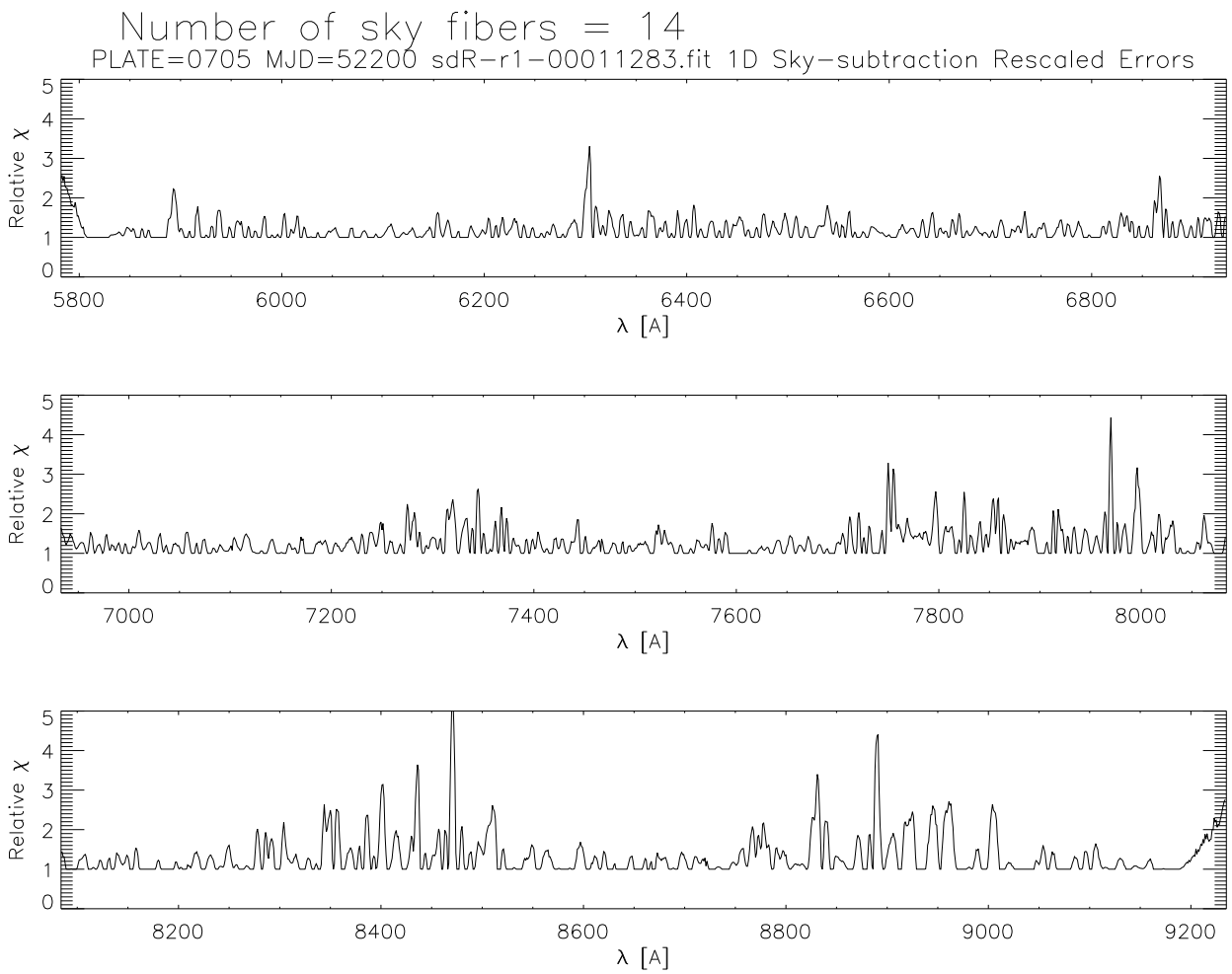

PLATE=0705 MJD=52200 Smooth superflat for sdR-r1-00011283.fit
2.0
1.5
1.0
0.5
0.0
1.010
1.005
1.000
0.995
0.990
6000
7000
8000
9000
Wavelength (Å)

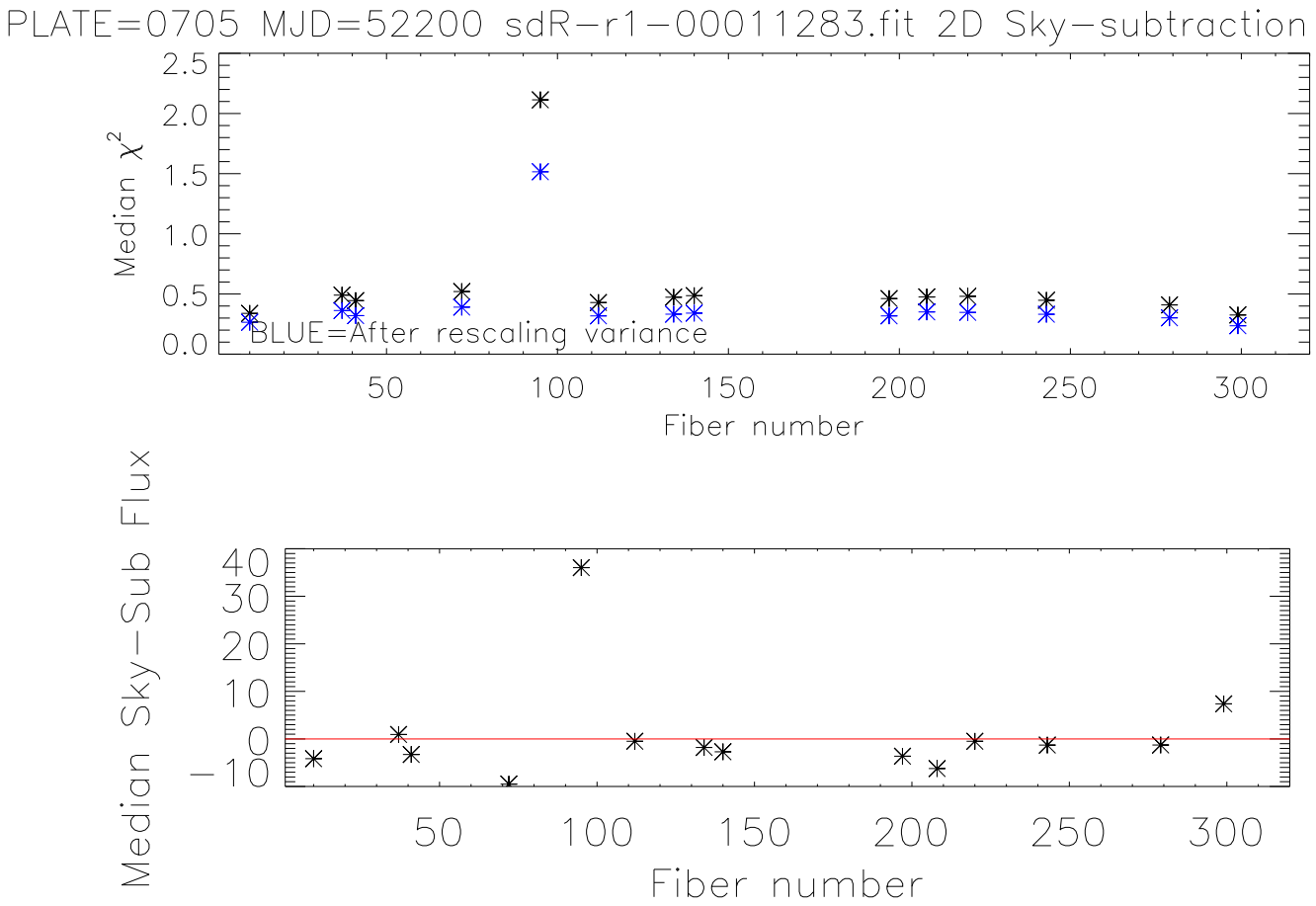
es= −0.0000

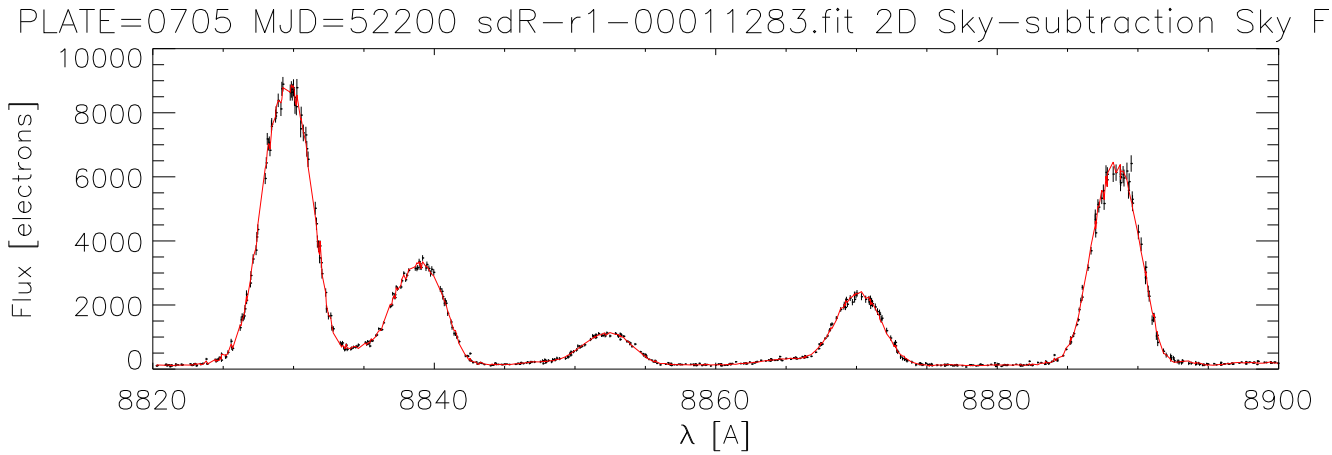

PLATE=0705 MJD=52200 sdR-r1-00011283.fit 1D Sky-subtraction Sky Fibers
Median $\chi^2$
BLUE=After rescaling variance
Fiber number
Median Sky-Sub Flux
Fiber number

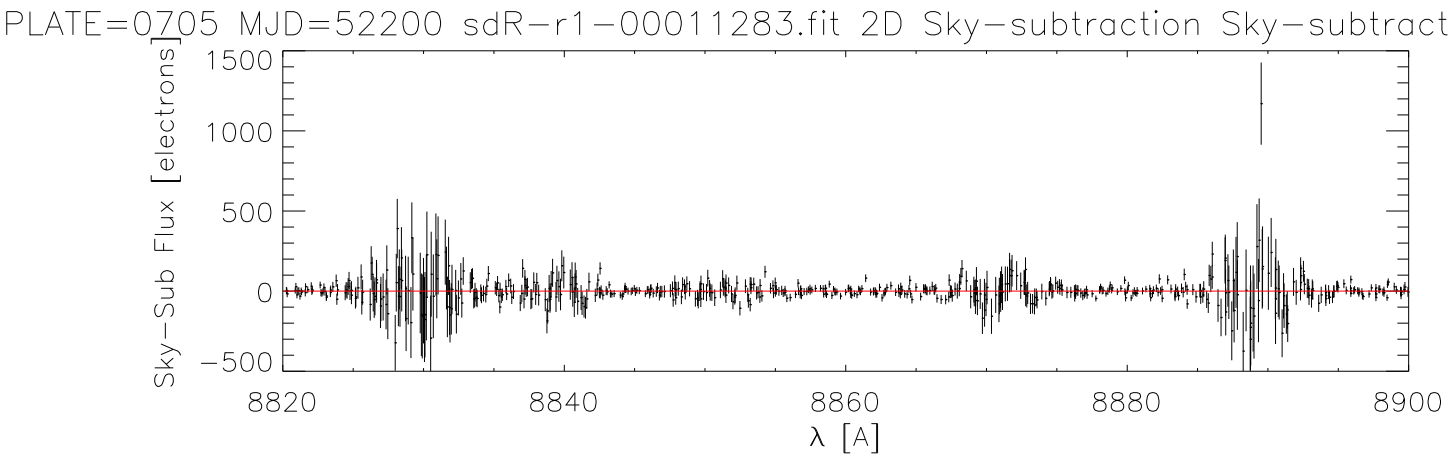

PLATE=0705 MJD=52200 sdR-r1-00011283.fit 1D Sky-subtraction Sky Fibers
Flux [electrons]
10000
8000
6000
4000
2000
0
8820
8840
8860
8880
8900
λ [A]

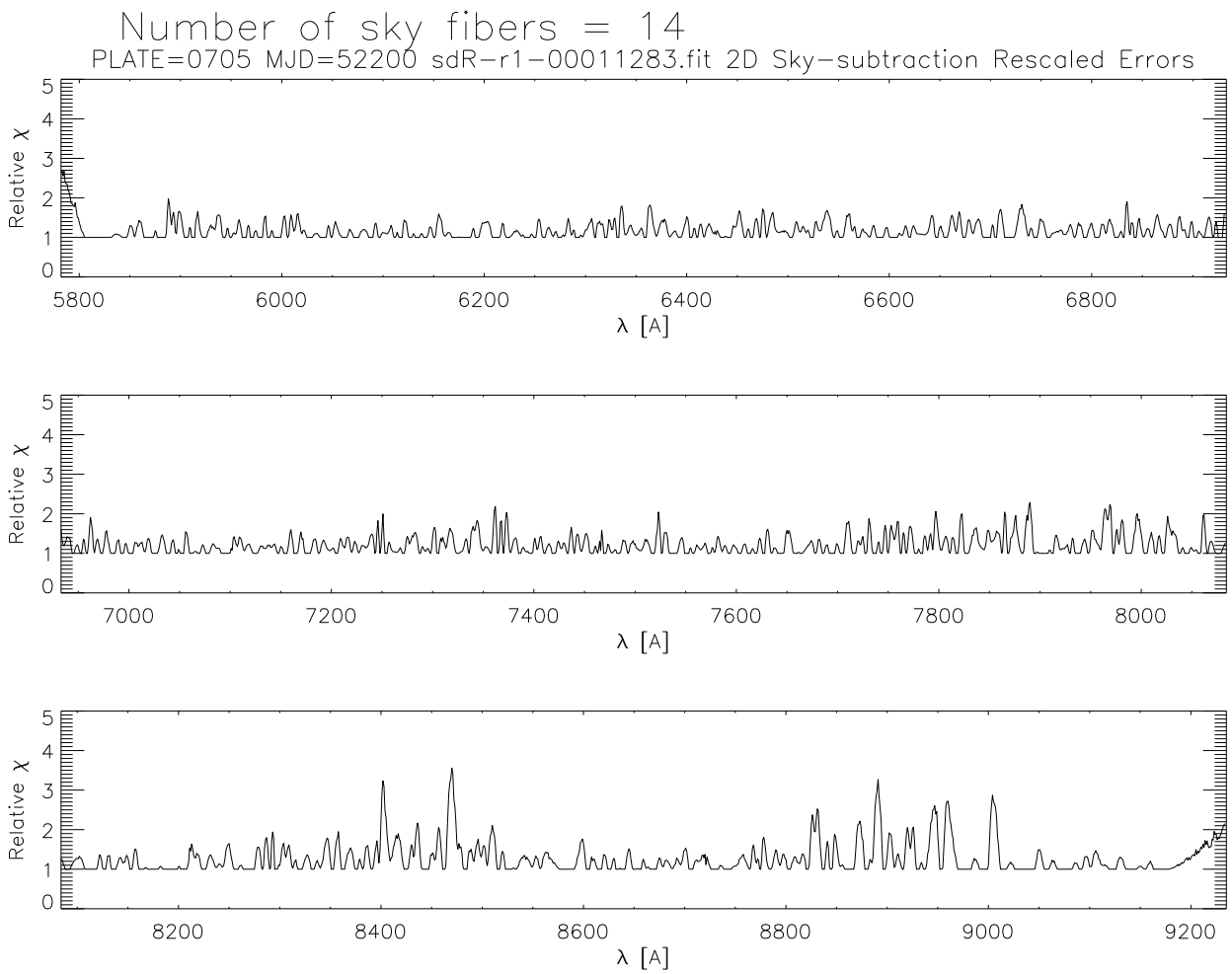

PLATE=0705 MJD=52200 sdR-r1-00011283.fit 1D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
1500
1000
500
0
-500
-1000
8820
8840
8860
8880
8900
λ [A]

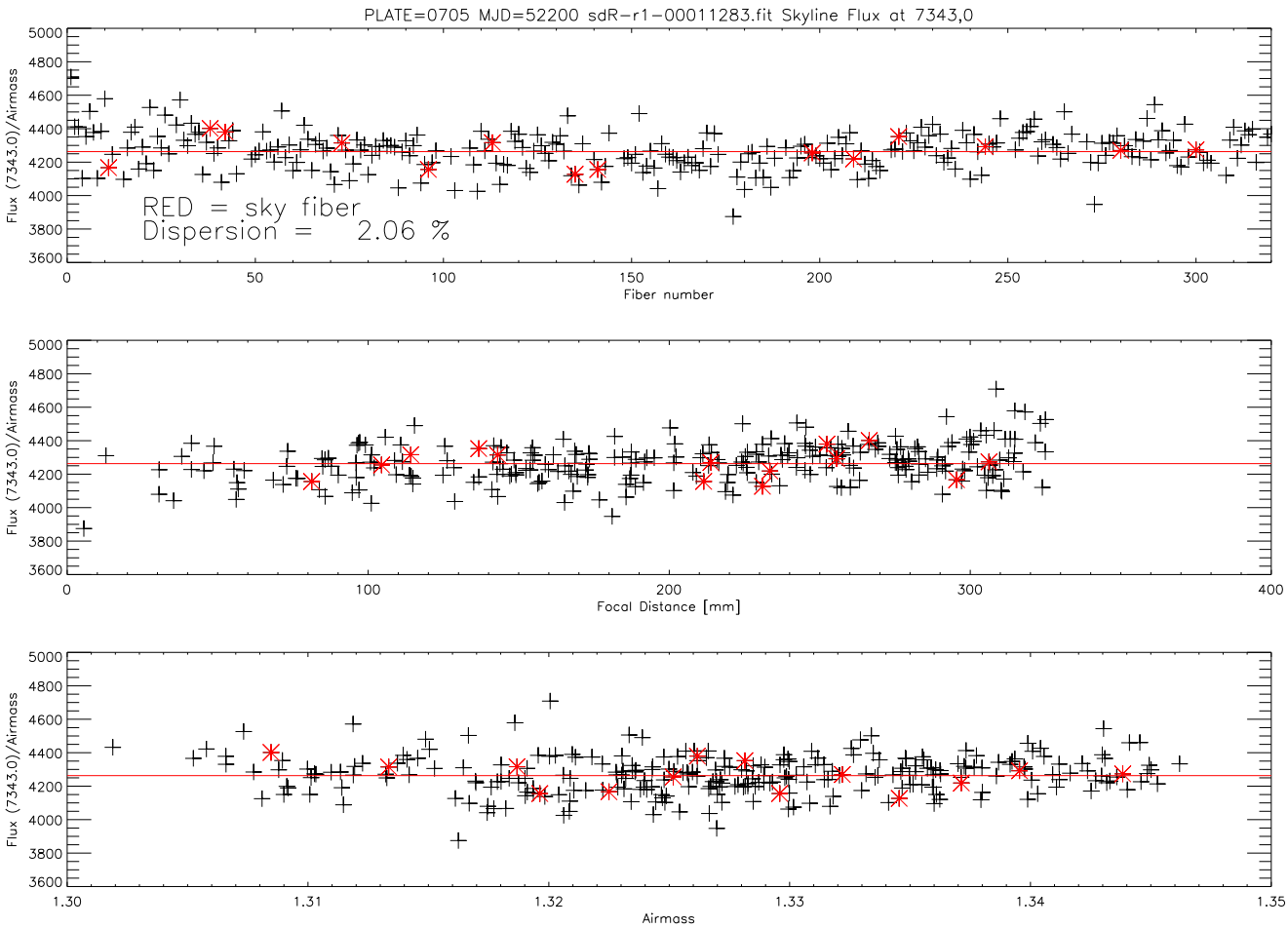

Number of sky fibers = 14
PLATE=0705 MJD=52200 sdR-r1-00011283.fit 1D Sky-subtraction Rescaled Errors
Relative χ
λ [A]
5800
6000
6200
6400
6600
6800
7000
7200
7400
7600
7800
8000
8200
8400
8600
8800
9000
9200

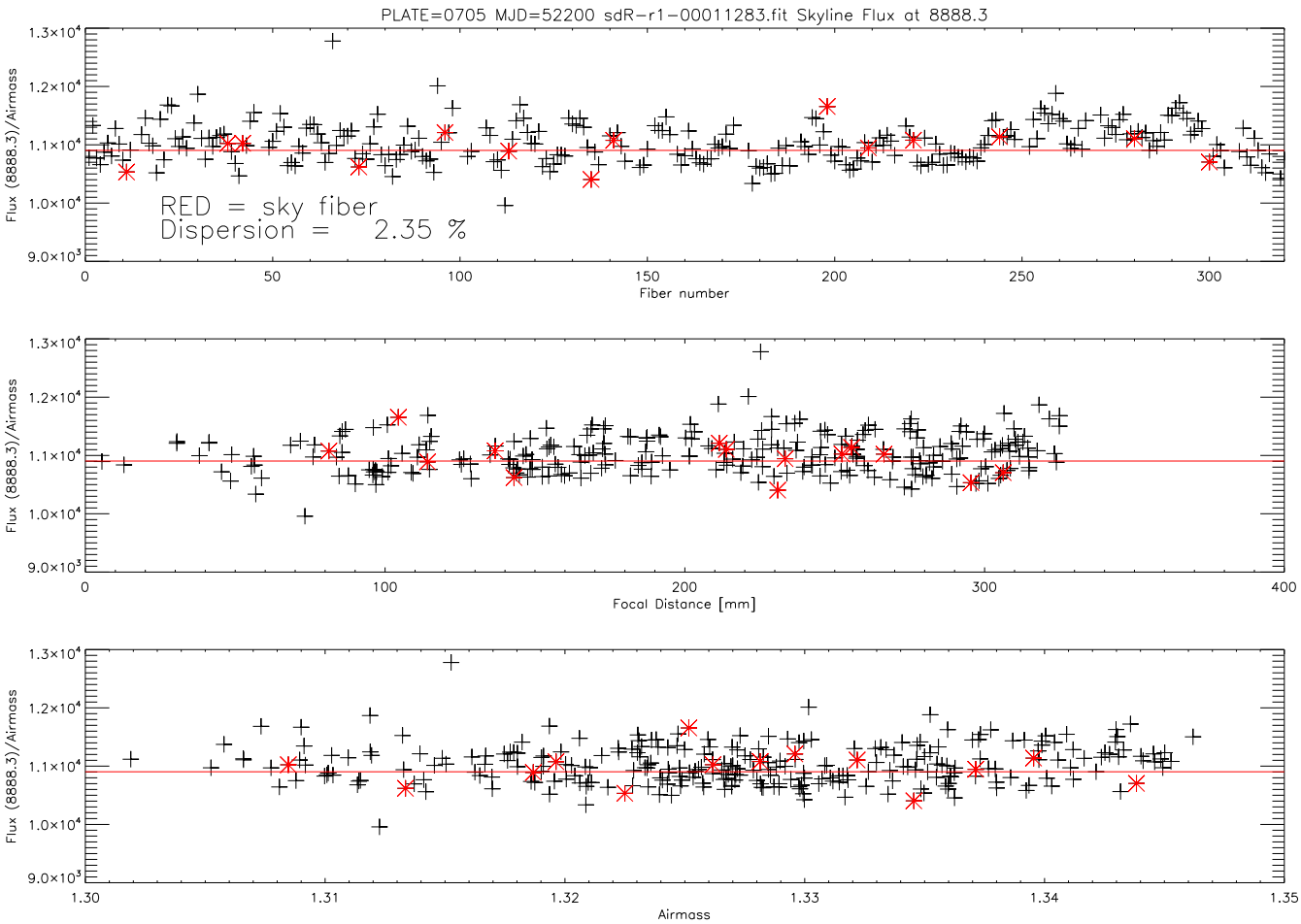

PLATE=0705 MJD=52200 sdR-r1-00011283.fit 2D Sky-subtraction Sky Fibers
Median $\chi^2$
2.5
2.0
1.5
1.0
0.5
0.0
BLUE=After rescaling variance
50
100
150
200
250
300
Fiber number
Median Sky-Sub Flux
40
30
20
10
0
-10
50
100
150
200
250
300
Fiber number

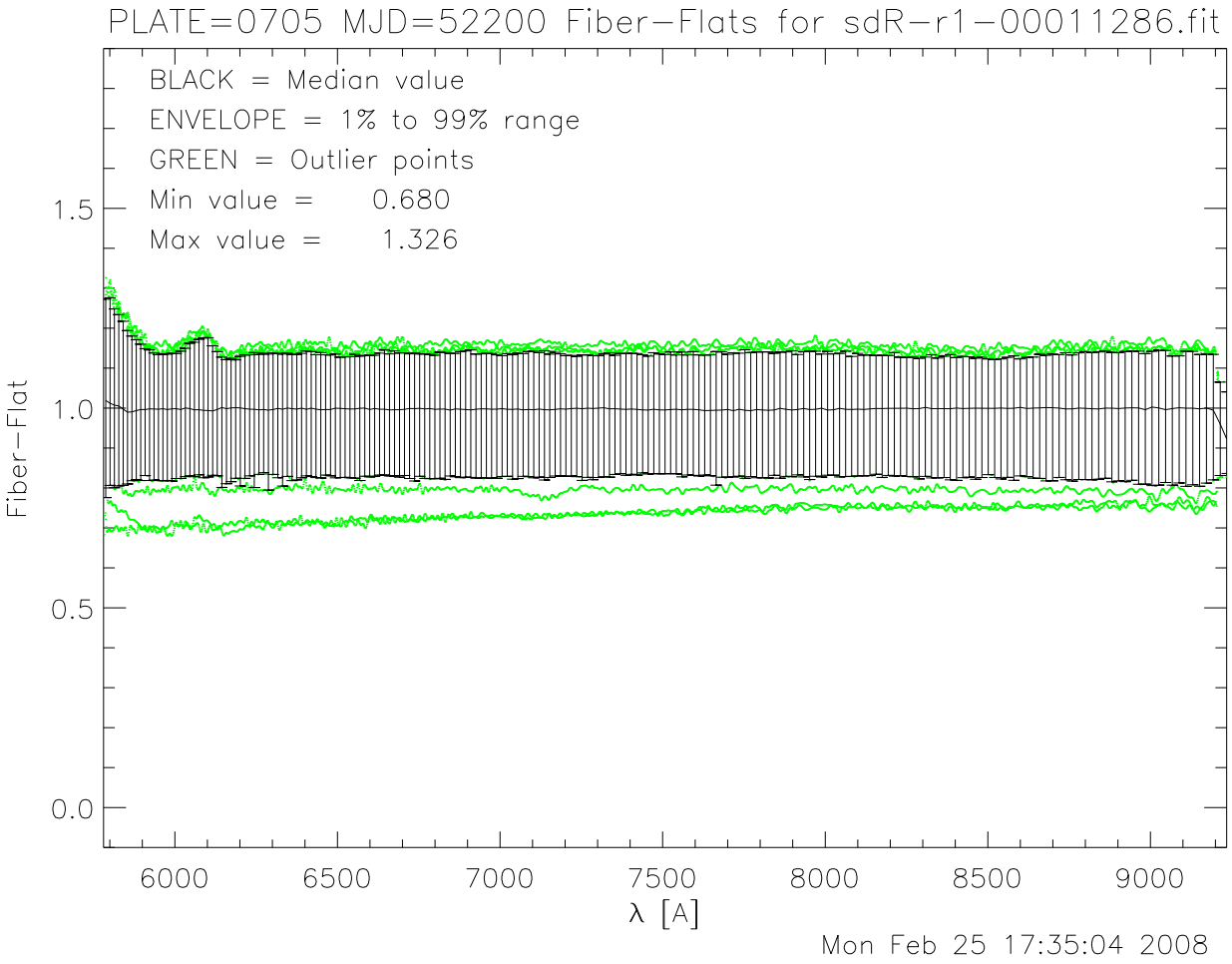

PLATE=0705 MJD=52200 sdR-r1-00011283.fit 2D Sky-subtraction Sky Fibers
Flux [electrons]
10000
8000
6000
4000
2000
0
8820
8840
8860
8880
8900
λ [A]

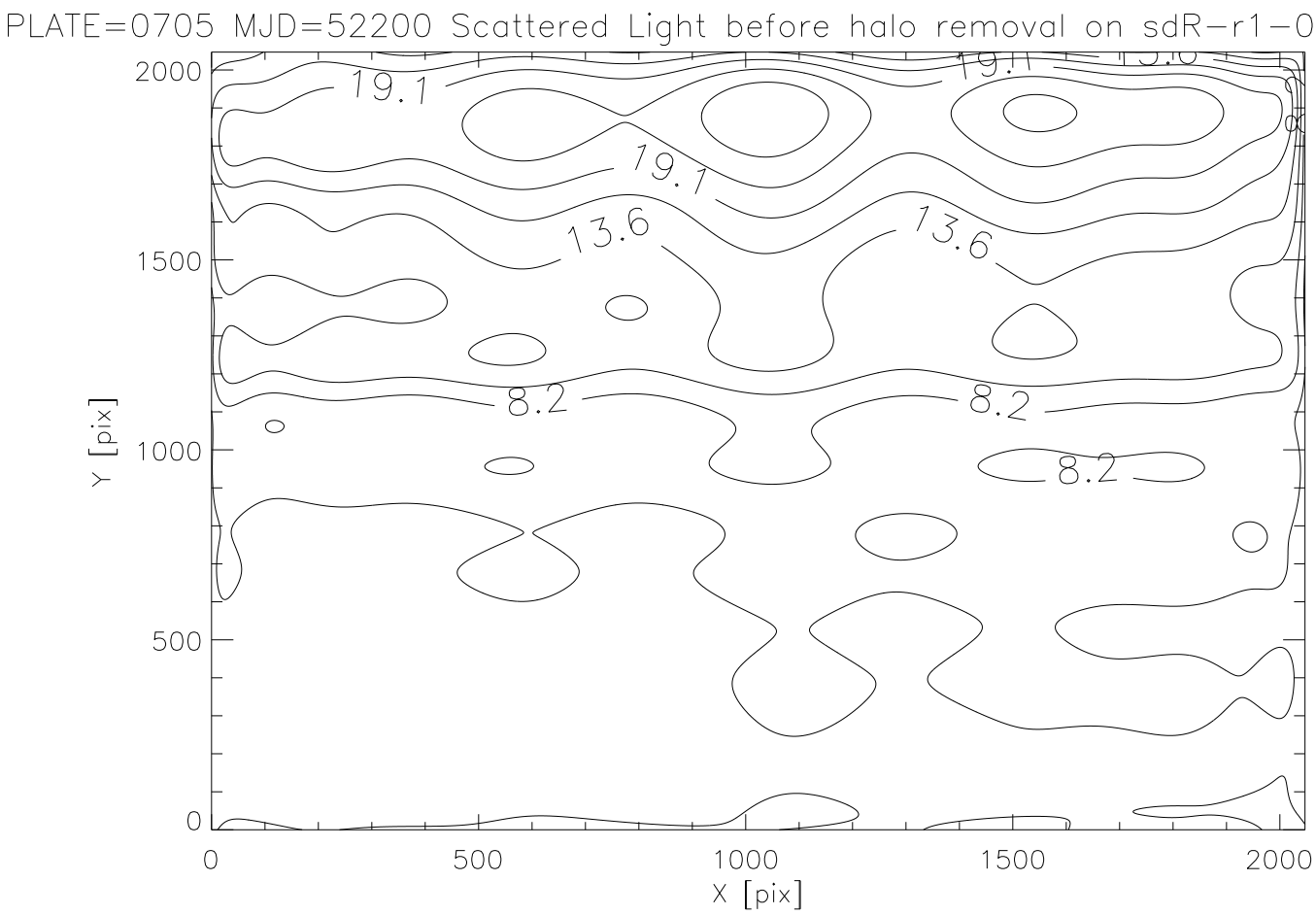

PLATE=0705 MJD=52200 sdR-r1-00011283.fit 2D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
1500
1000
500
0
-500
8820
8840
8860
8880
8900
λ [A]

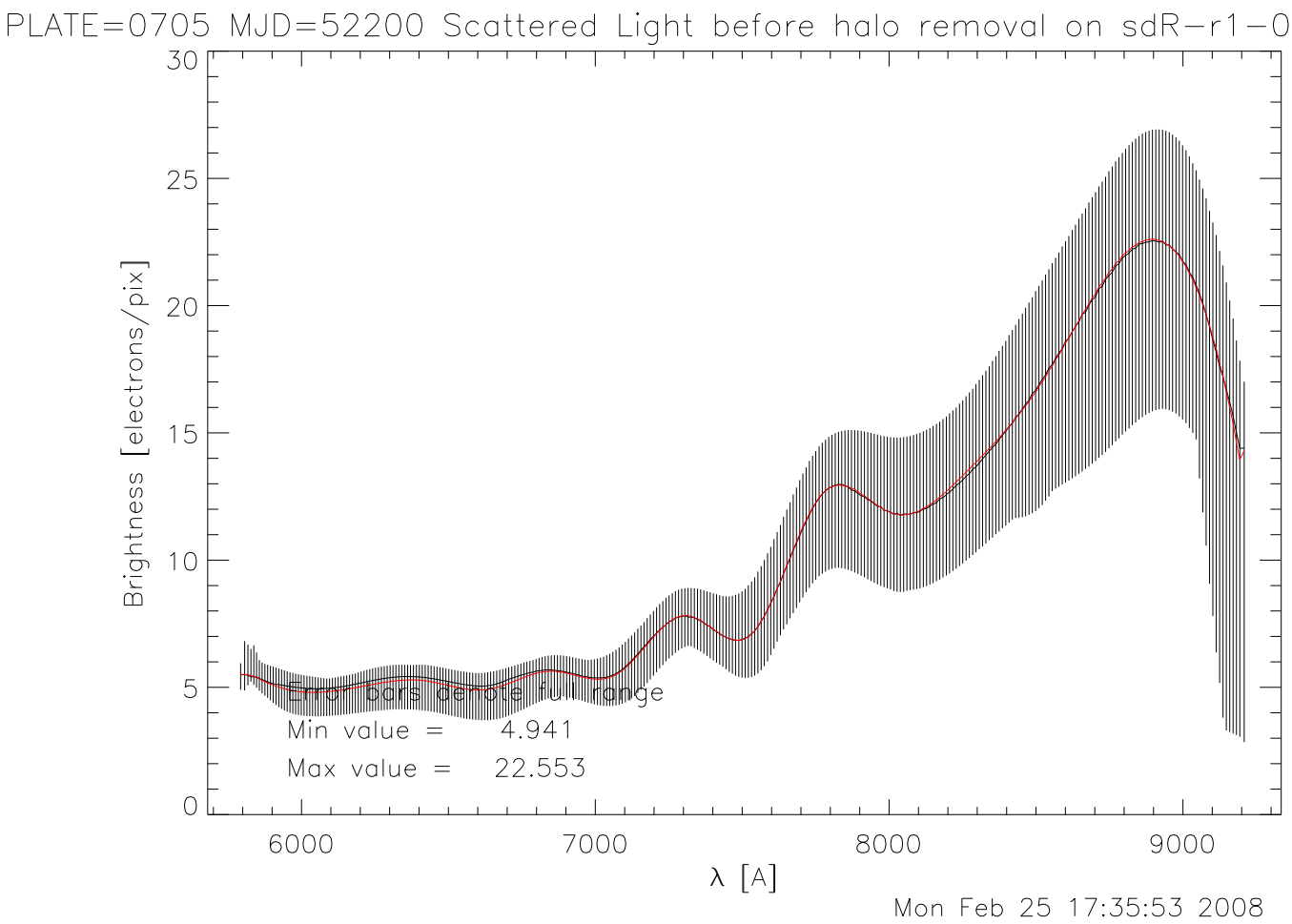

Number of sky fibers = 14
PLATE=0705 MJD=52200 sdR-r1-00011283.fit 2D Sky-subtraction Rescaled Errors
Relative χ
λ [A]
5800
6000
6200
6400
6600
6800
7000
7200
7400
7600
7800
8000
8200
8400
8600
8800
9000
9200

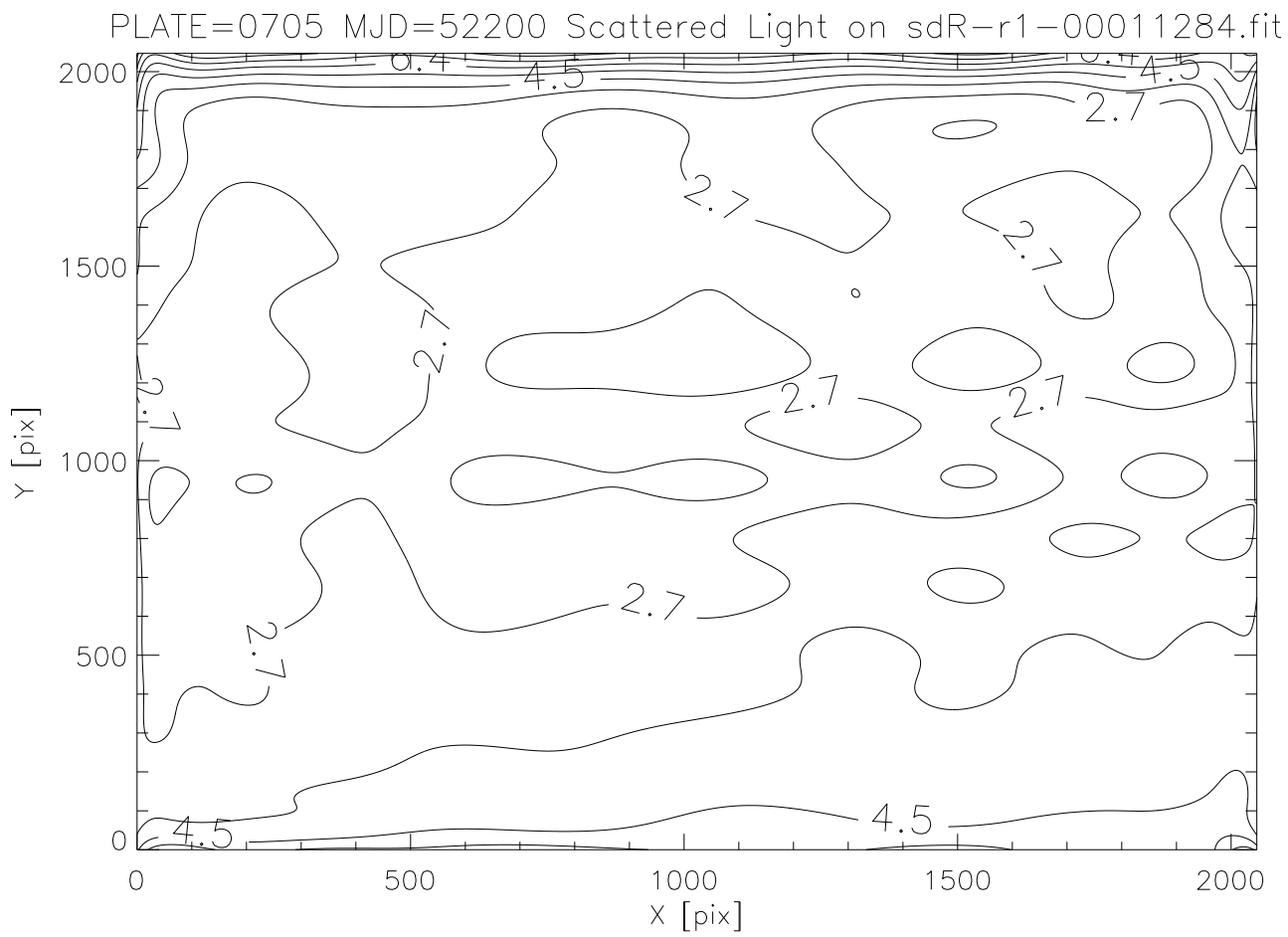

PLATE=0705 MJD=52200 sdR-r1-00011283.fit Skyline Flux at 7343,0
Flux (7343.0)/Airmass
RED = sky fiber
Dispersion = 2.06 %
Fiber number
Flux (7343.0)/Airmass
Focal Distance [mm]
Flux (7343.0)/Airmass
Airmass

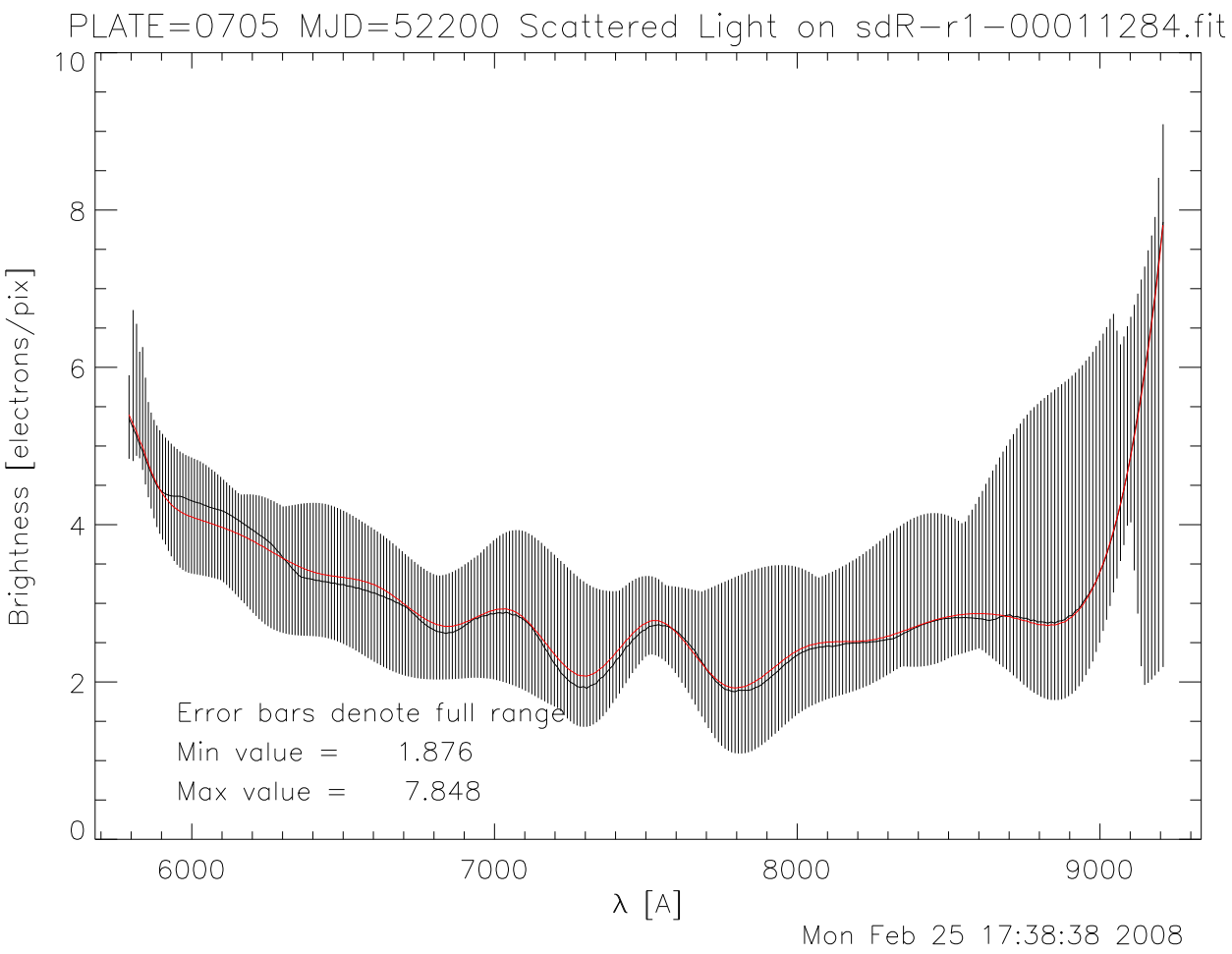

PLATE=0705 MJD=52200 sdR-r1-00011283.fit Skyline Flux at 8888.3
Flux (8888.3)/Airmass
RED = sky fiber
Dispersion = 2.35 %
Fiber number
Focal Distance [mm]
Airmass

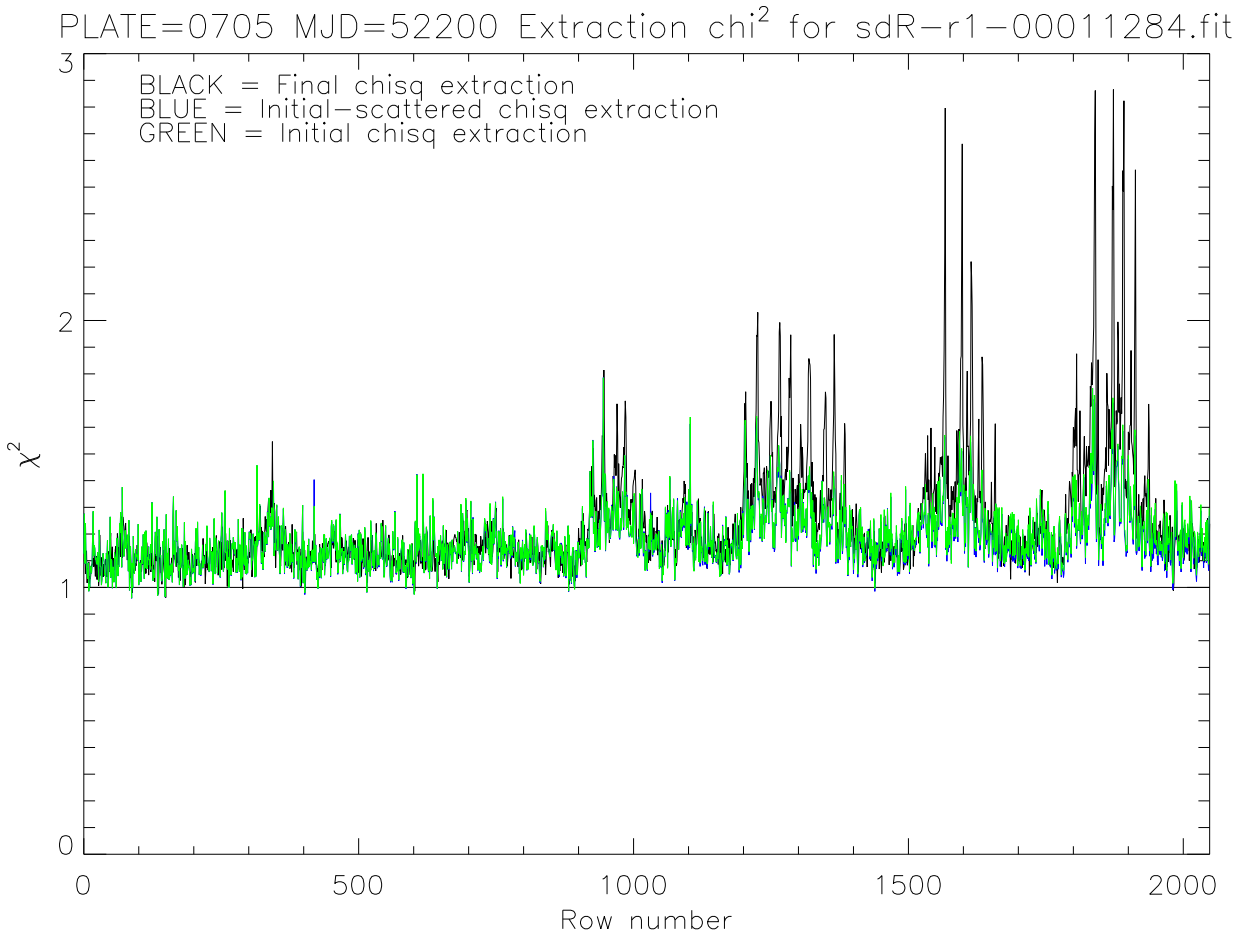

PLATE=0705 MJD=52200 Fiber−Flats for sdR−r1−00011286.fit
BLACK = Median value
ENVELOPE = 1% to 99% range
GREEN = Outlier points
Min value = 0.680
Max value = 1.326
Fiber−Flat
1.5
1.0
0.5
0.0
6000
6500
7000
7500
8000
8500
9000
λ [A]
Mon Feb 25 17:35:04 2008

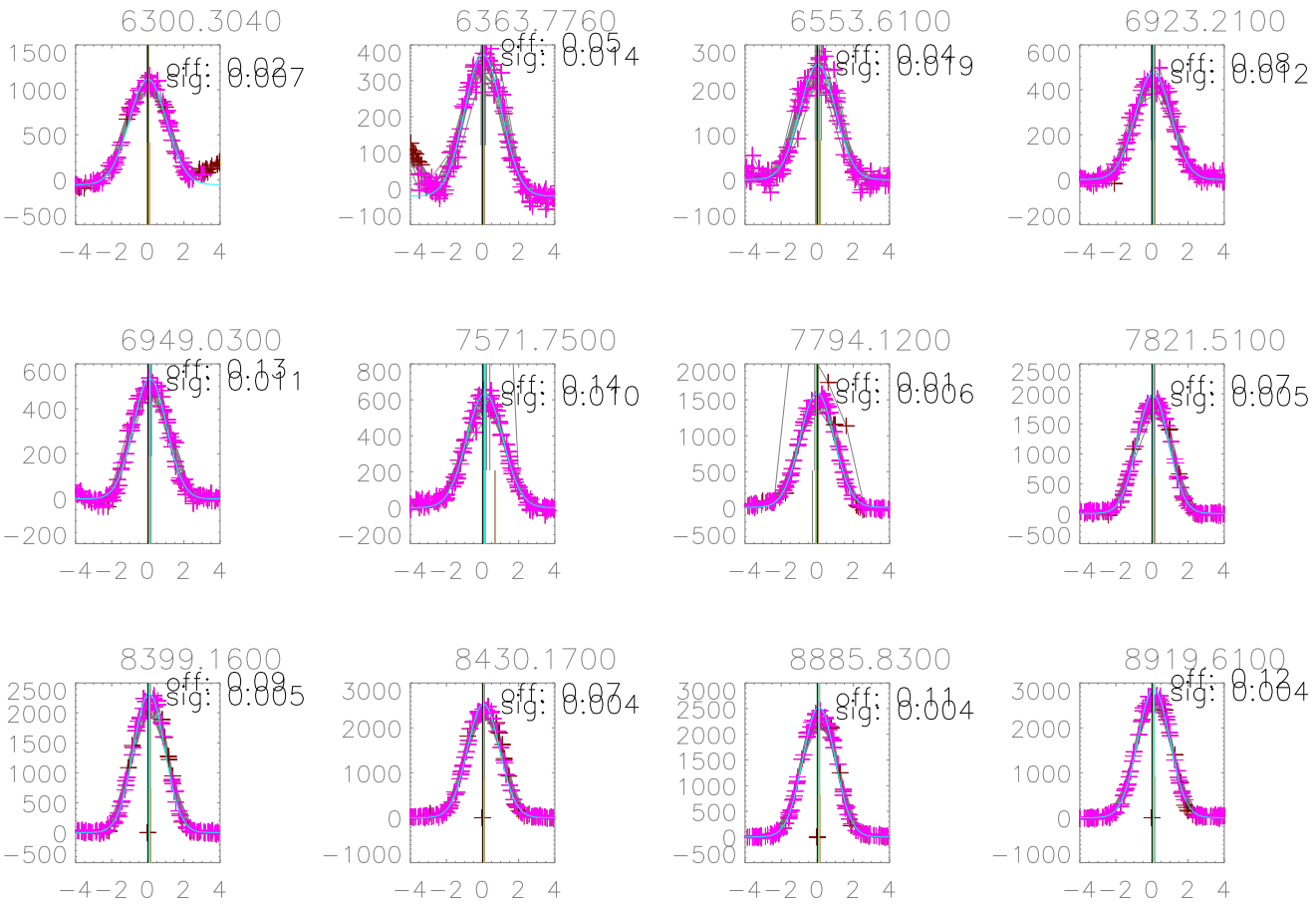

PLATE=0705 MJD=52200 Scattered Light before halo removal on sdR-r1-00011284.fi
19.1
19.1
19.1
13.6
13.6
8.2
8.2
8.2
2000
1500
1000
500
0
Y [pix]
0
500
1000
1500
2000
X [pix]

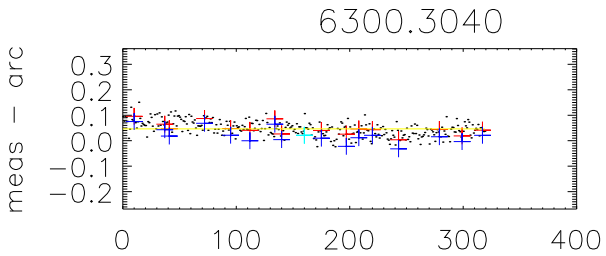

PLATE=0705 MJD=52200 Scattered Light before halo removal on sdR-r1-00011284.fi
Brightness [electrons/pix]
λ [A]
Error bars denote full range
Min value = 4.941
Max value = 22.553
Mon Feb 25 17:35:53 2008

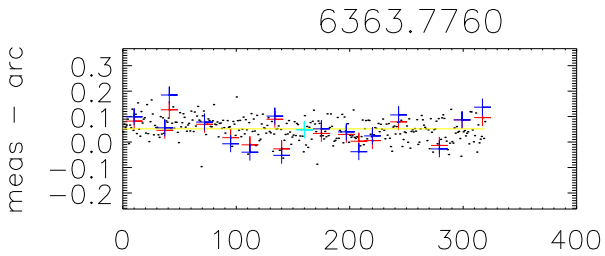

PLATE=0705 MJD=52200 Scattered Light on sdR-r1-00011284.fit
4.5
2.7
Y [pix]
X [pix]
0
500
1000
1500
2000

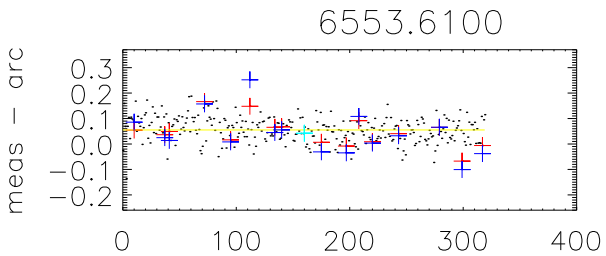

PLATE=0705 MJD=52200 Scattered Light on sdR-r1-00011284.fit
Brightness [electrons/pix]
λ [A]
Error bars denote full range
Min value = 1.876
Max value = 7.848
Mon Feb 25 17:38:38 2008

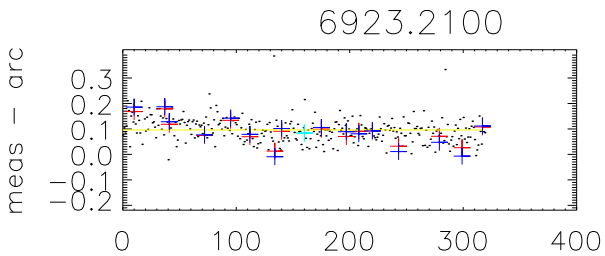

PLATE=0705 MJD=52200 Extraction chi$^2$ for sdR−r1−00011284.fit
BLACK = Final chisq extraction
BLUE = Initial−scattered chisq extraction
GREEN = Initial chisq extraction
$\chi^2$
0
1
2
3
0
500
1000
1500
2000
Row number

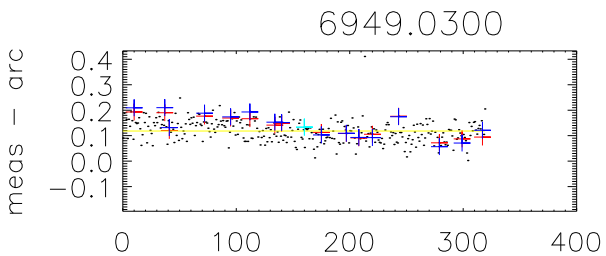

6300.3040
off: 0.02
sig: 0.007
6363.7760
off: 0.05
sig: 0.014
6553.6100
off: 0.04
sig: 0.019
6923.2100
off: 0.08
sig: 0.012
6949.0300
off: 0.13
sig: 0.011
7571.7500
off: 0.14
sig: 0.010
7794.1200
off: 0.01
sig: 0.006
7821.5100
off: 0.07
sig: 0.005
8399.1600
off: 0.09
sig: 0.005
8430.1700
off: 0.07
sig: 0.004
8885.8300
off: 0.11
sig: 0.004
8919.6100
off: 0.12
sig: 0.004

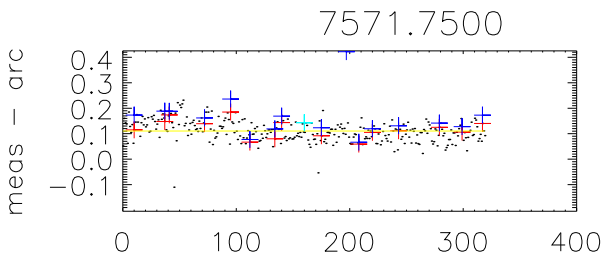

6300.3040
meas − arc
0.3
0.2
0.1
0.0
−0.1
−0.2
0
100
200
300
400

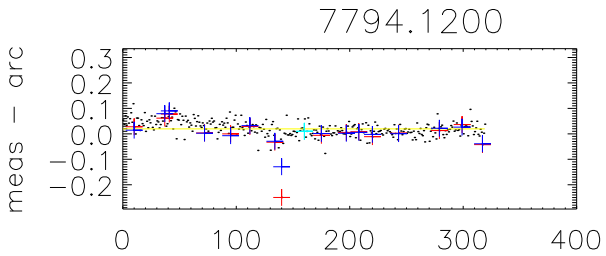

6363.7760
meas − arc
0.3
0.2
0.1
0.0
−0.1
−0.2
0
100
200
300
400

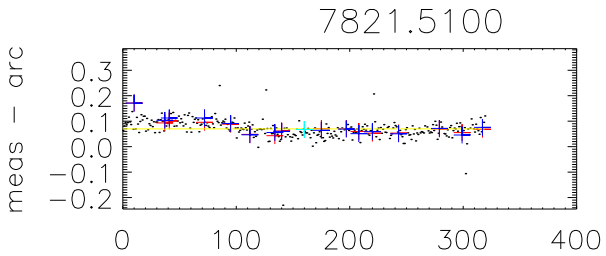

6553.6100
meas − arc
0.3
0.2
0.1
0.0
−0.1
−0.2
0
100
200
300
400

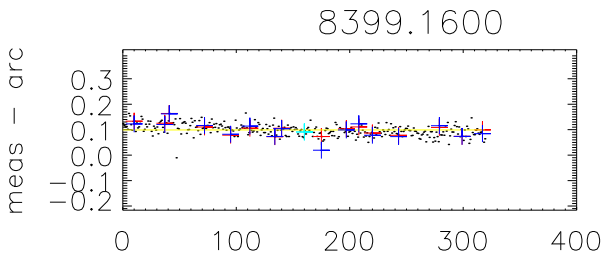

6923.2100
meas − arc
0.3
0.2
0.1
0.0
−0.1
−0.2
0
100
200
300
400

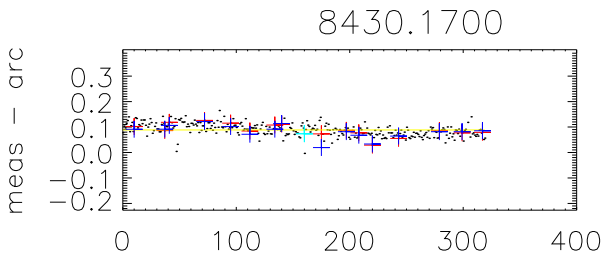

6949.0300
meas − arc
0.4
0.3
0.2
0.1
0.0
−0.1
0
100
200
300
400

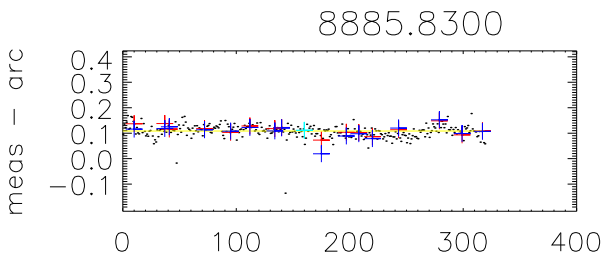

7571.7500
meas − arc
0.4
0.3
0.2
0.1
0.0
−0.1
0
100
200
300
400

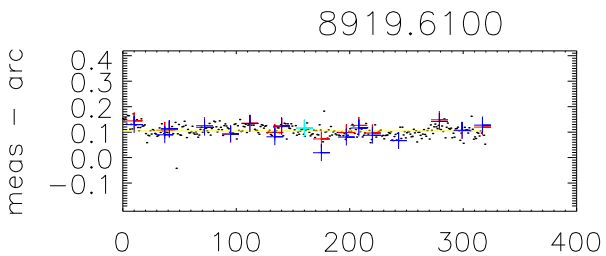

7794.1200
meas − arc
0.3
0.2
0.1
0.0
−0.1
−0.2
0
100
200
300
400

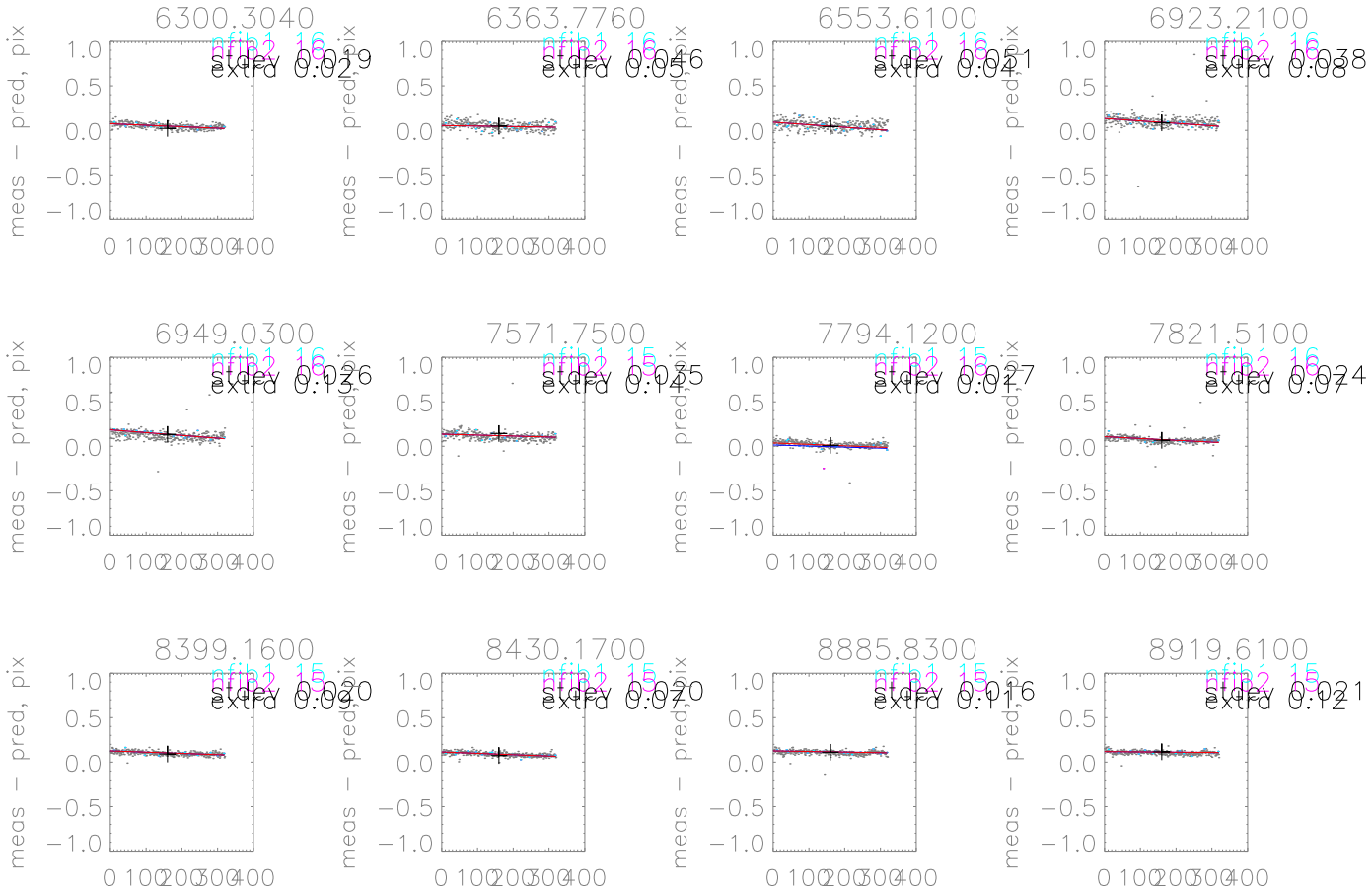

7821.5100
meas − arc
0.3
0.2
0.1
0.0
−0.1
−0.2
0
100
200
300
400

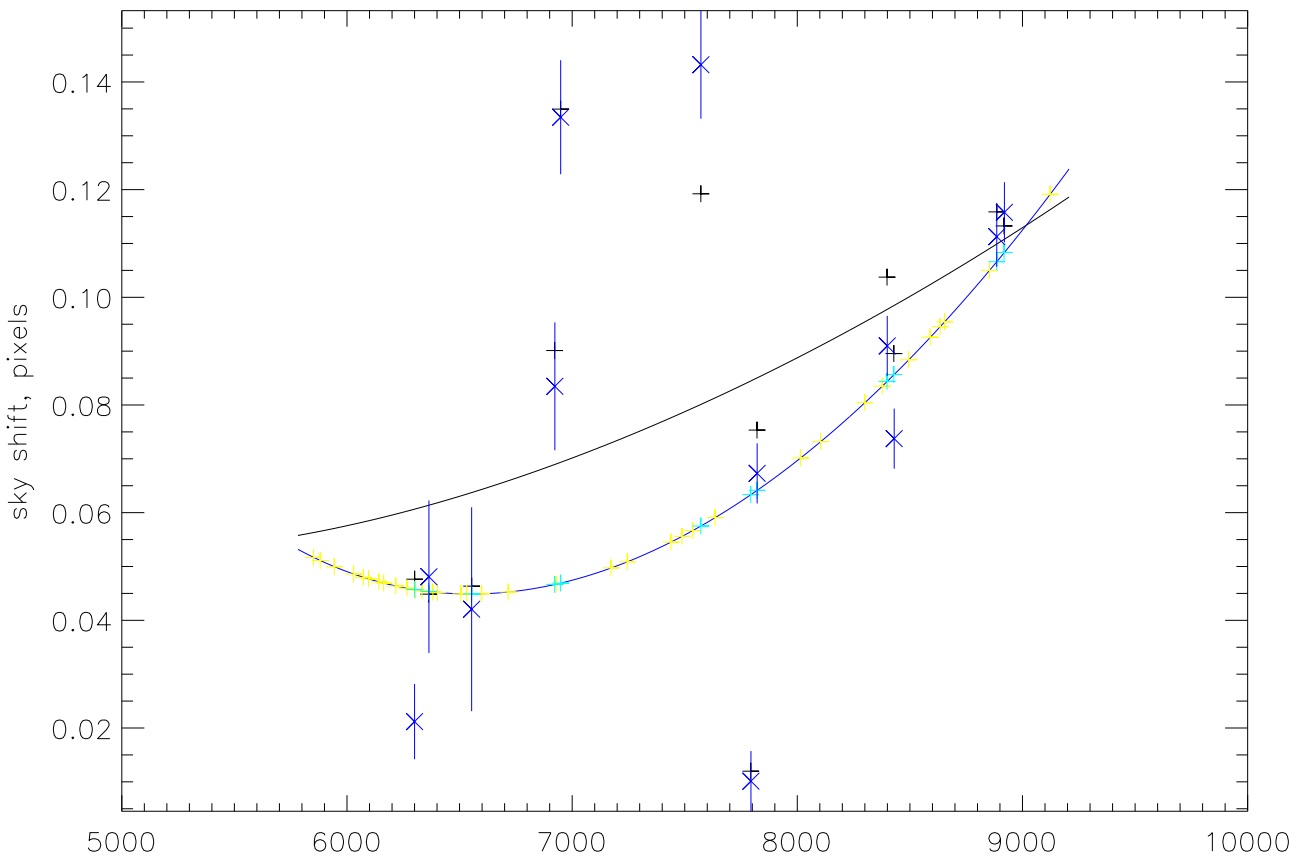

8399.1600
meas − arc
0.3
0.2
0.1
0.0
−0.1
−0.2
0
100
200
300
400

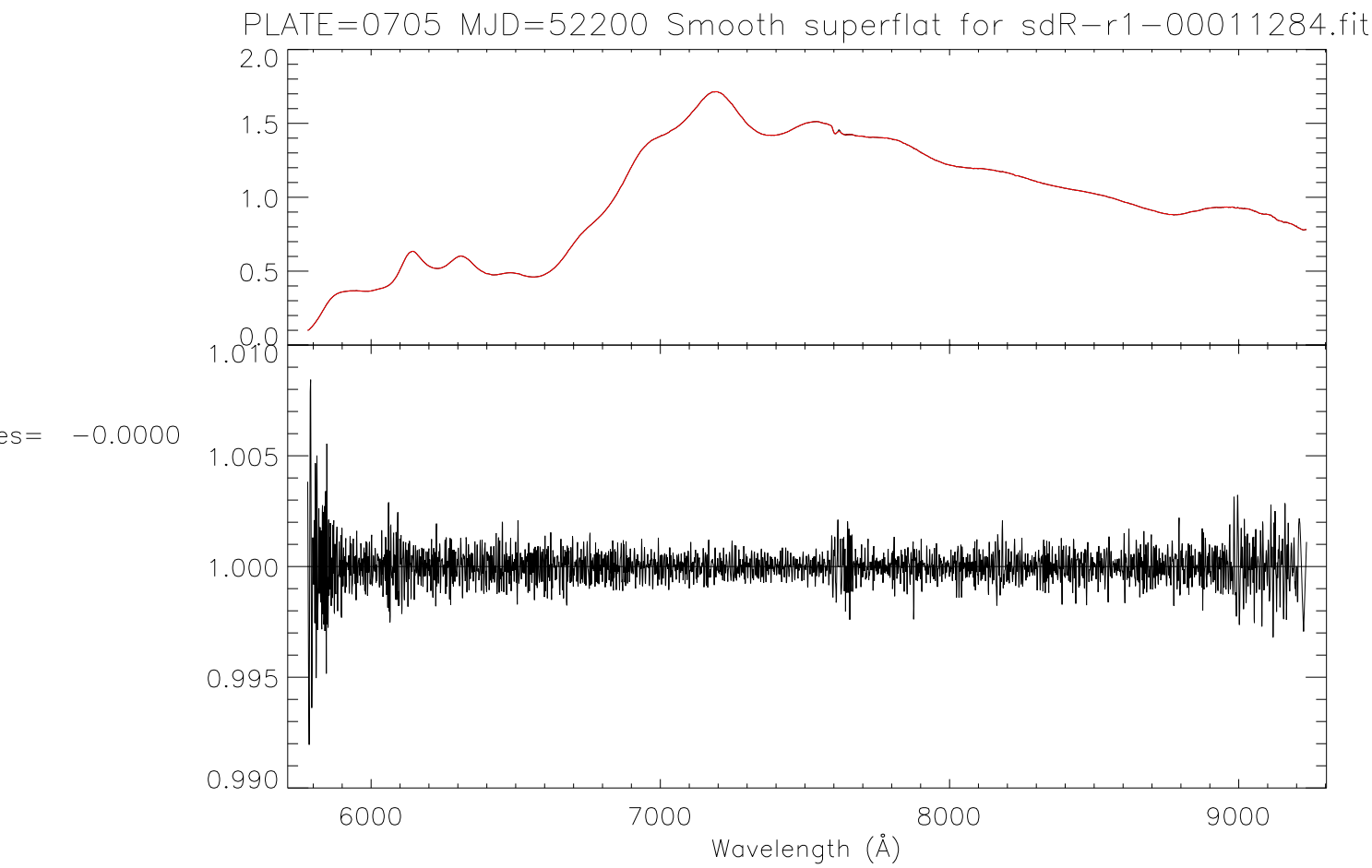

8430.1700
meas − arc
0.3
0.2
0.1
0.0
−0.1
−0.2
0
100
200
300
400


8885.8300
meas − arc
0.4
0.3
0.2
0.1
0.0
−0.1
0
100
200
300
400

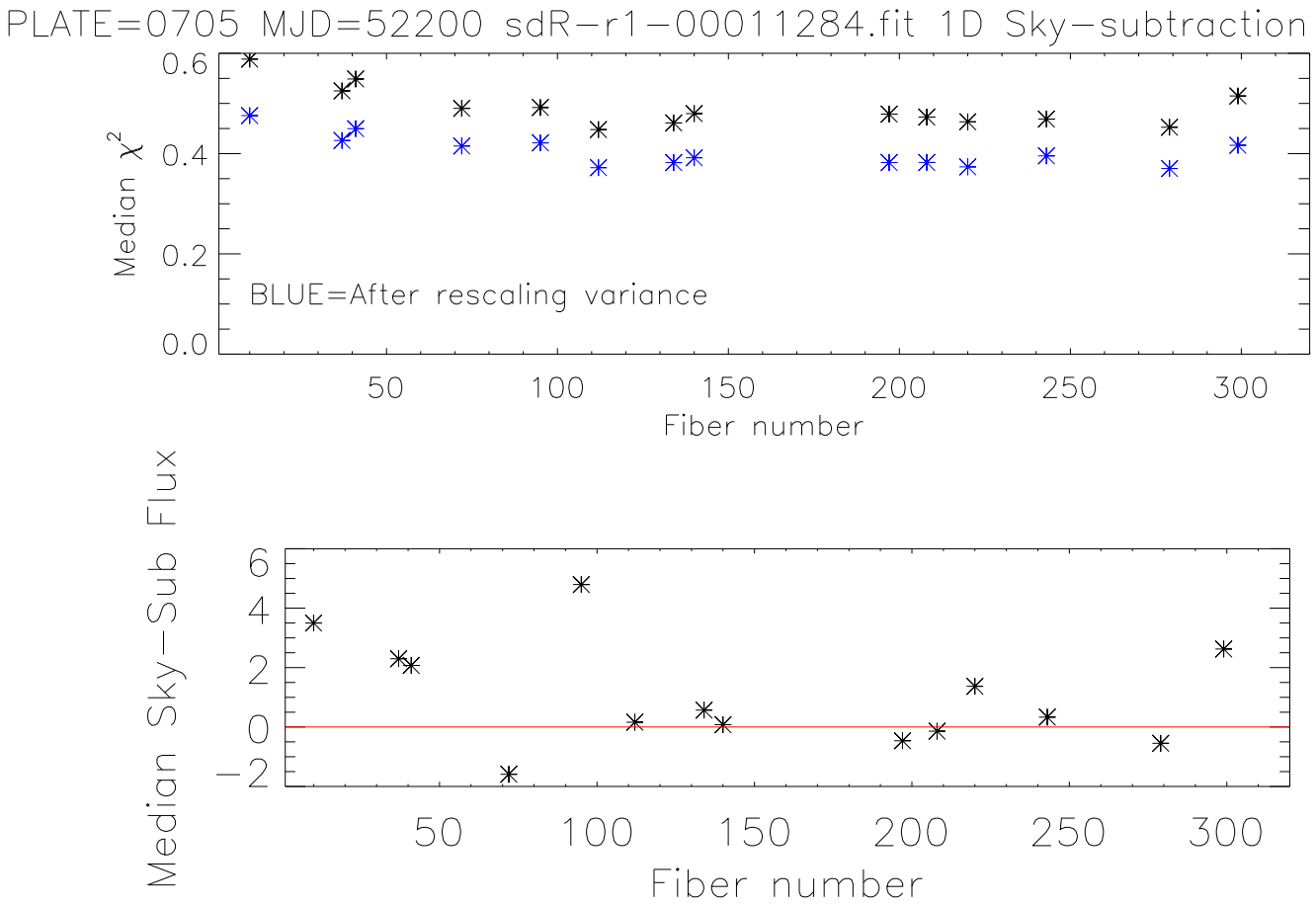

8919.6100
meas − arc
0.4
0.3
0.2
0.1
0.0
−0.1
0
100
200
300
400

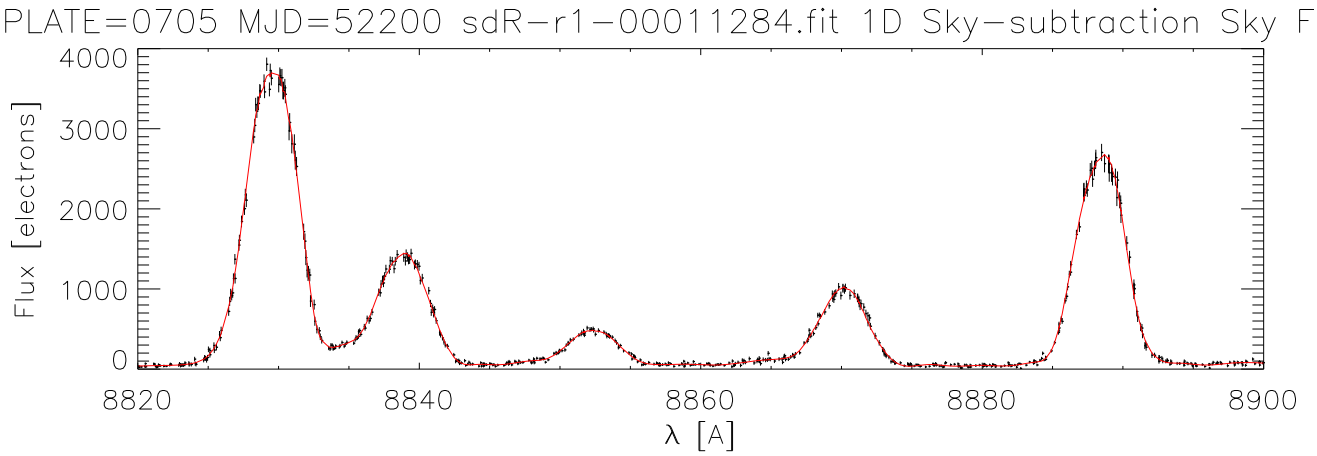

6300.3040
mfbx1 16
mfbx2 16
stdev 0.029
extra 0.02
6363.7760
mfbx1 16
mfbx2 16
stdev 0.046
extra 0.05
6553.6100
mfbx1 16
mfbx2 16
stdev 0.051
extra 0.04
6923.2100
mfbx1 16
mfbx2 16
stdev 0.038
extra 0.08
6949.0300
mfbx1 16
mfbx2 16
stdev 0.026
extra 0.13
7571.7500
mfbx1 15
mfbx2 15
stdev 0.035
extra 0.14
7794.1200
mfbx1 15
mfbx2 15
stdev 0.027
extra 0.01
7821.5100
mfbx1 16
mfbx2 16
stdev 0.024
extra 0.07
8399.1600
mfbx1 15
mfbx2 15
stdev 0.020
extra 0.09
8430.1700
mfbx1 15
mfbx2 15
stdev 0.020
extra 0.07
8885.8300
mfbx1 15
mfbx2 15
stdev 0.016
extra 0.11
8919.6100
mfbx1 15
mfbx2 15
stdev 0.021
extra 0.12
meas − pred, pix
1.0
0.5
0.0
−0.5
−1.0
0
100
200
300
400

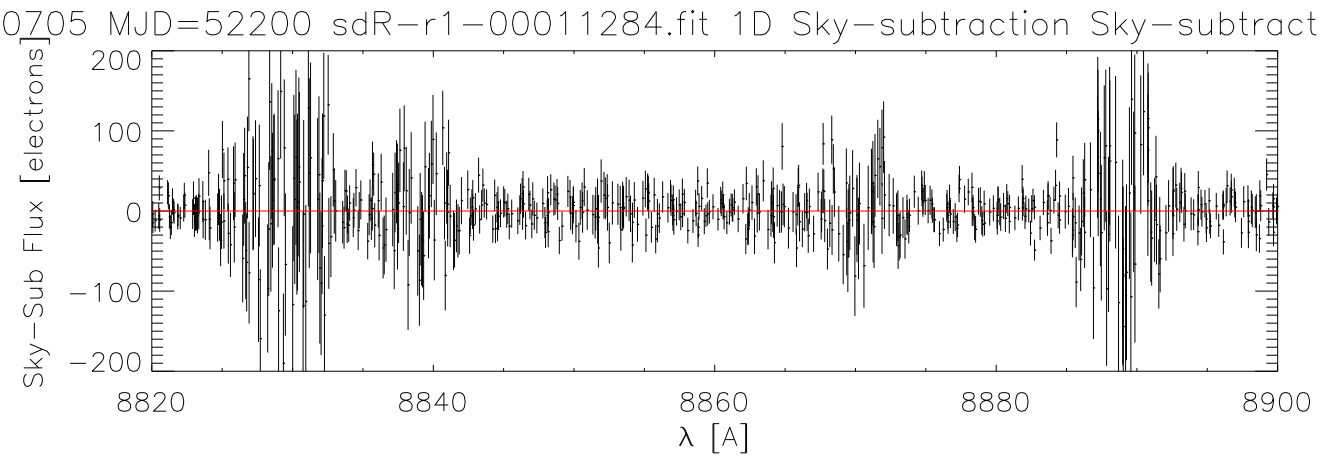

sky shift, pixels
0.14
0.12
0.10
0.08
0.06
0.04
0.02
5000
6000
7000
8000
9000
10000

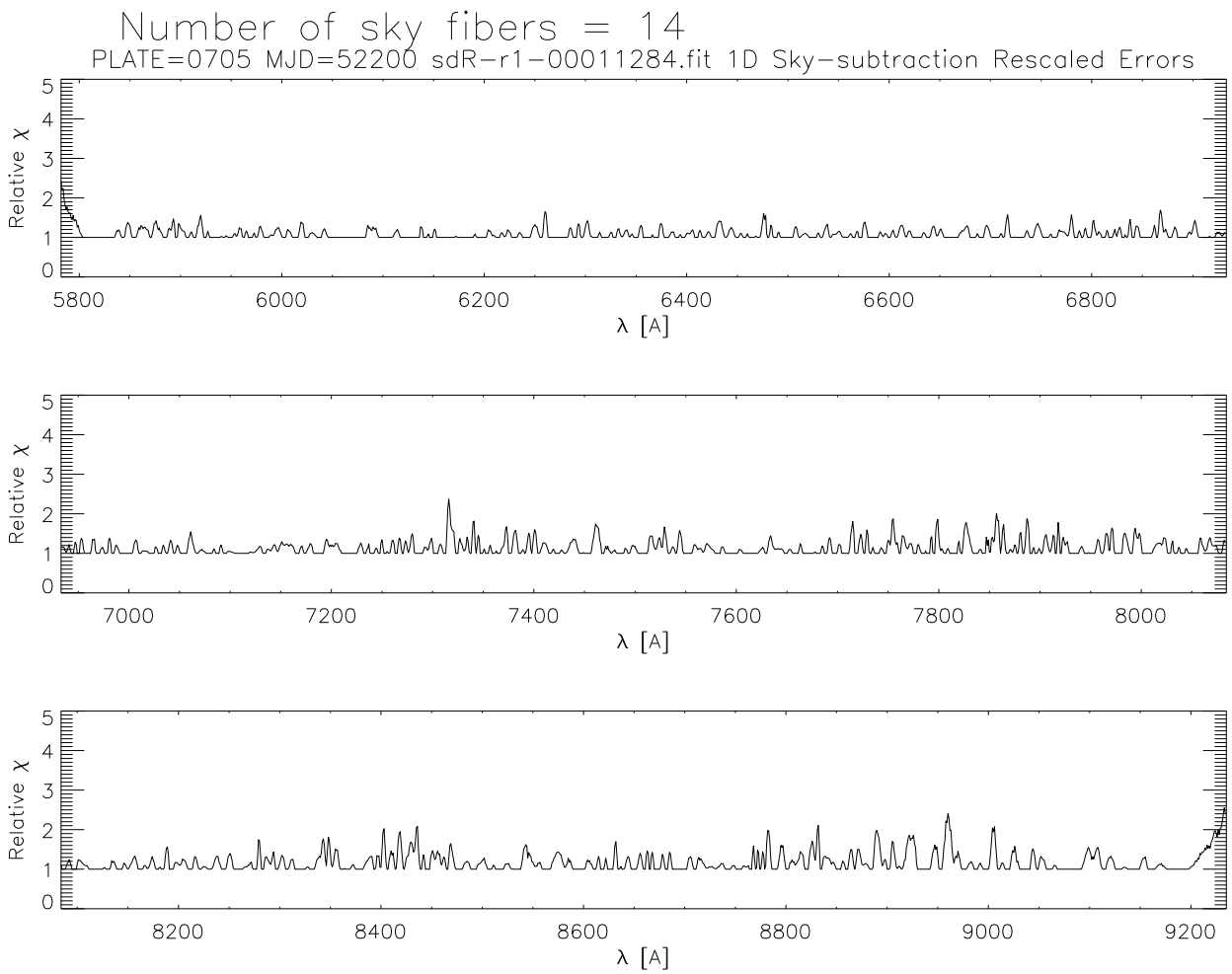

PLATE=0705 MJD=52200 Smooth superflat for sdR-r1-00011284.fit
2.0
1.5
1.0
0.5
0.0
1.010
1.005
1.000
0.995
0.990
6000
7000
8000
9000
Wavelength (Å)

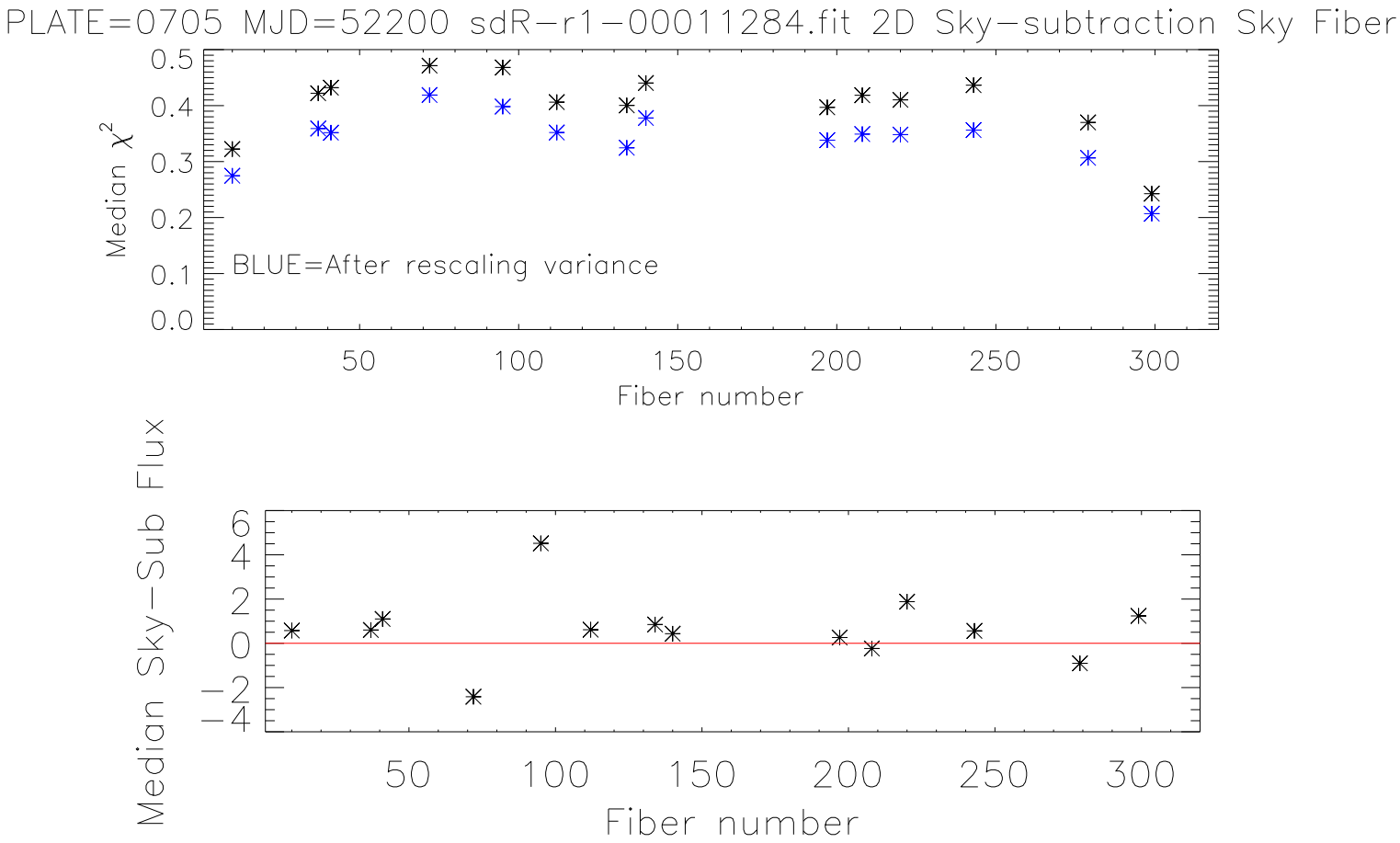
es= −0.0000

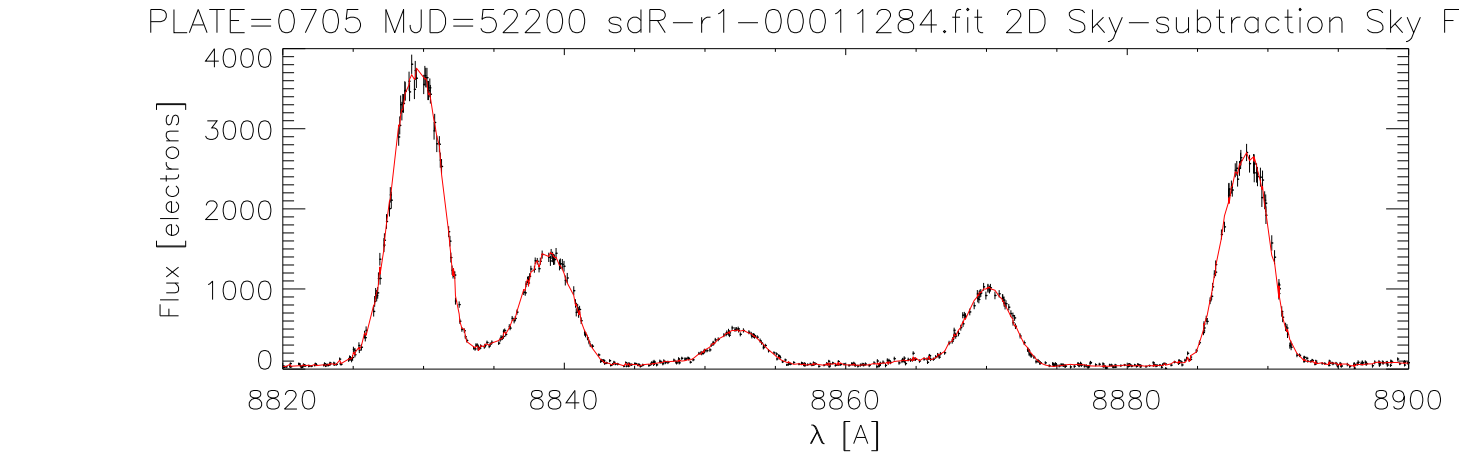

PLATE=0705 MJD=52200 sdR-r1-00011284.fit 1D Sky-subtraction Sky Fibers
Median $\chi^2$
0.0
0.2
0.4
0.6
BLUE=After rescaling variance
50
100
150
200
250
300
Fiber number
Median Sky-Sub Flux
−2
0
2
4
6
50
100
150
200
250
300
Fiber number

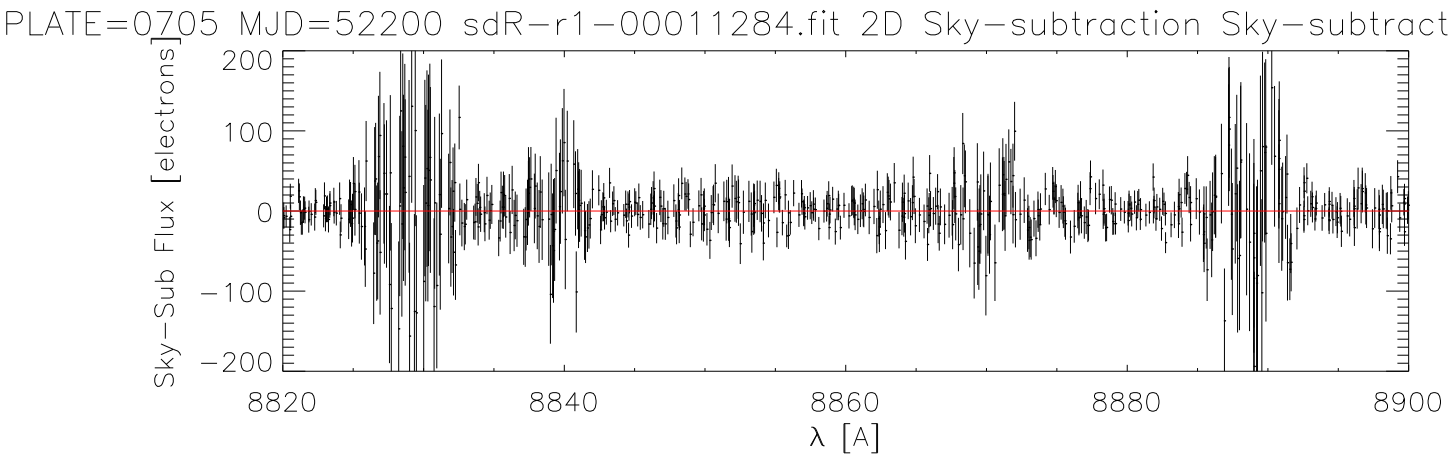

PLATE=0705 MJD=52200 sdR-r1-00011284.fit 1D Sky-subtraction Sky Fibers
Flux [electrons]
4000
3000
2000
1000
0
8820
8840
8860
8880
8900
λ [A]

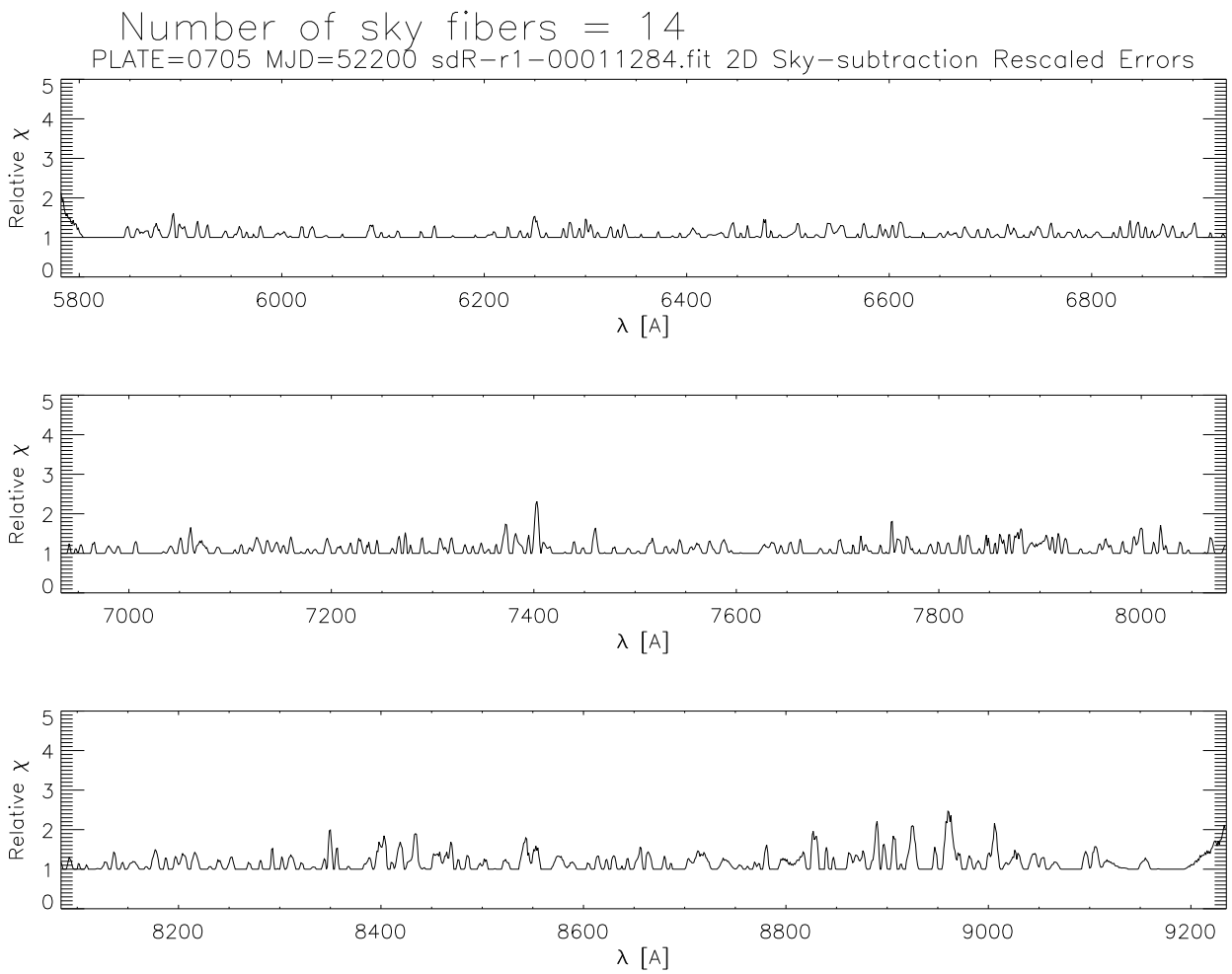

PLATE=0705 MJD=52200 sdR-r1-00011284.fit 1D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
200
100
0
-100
-200
8820
8840
8860
8880
8900
λ [A]

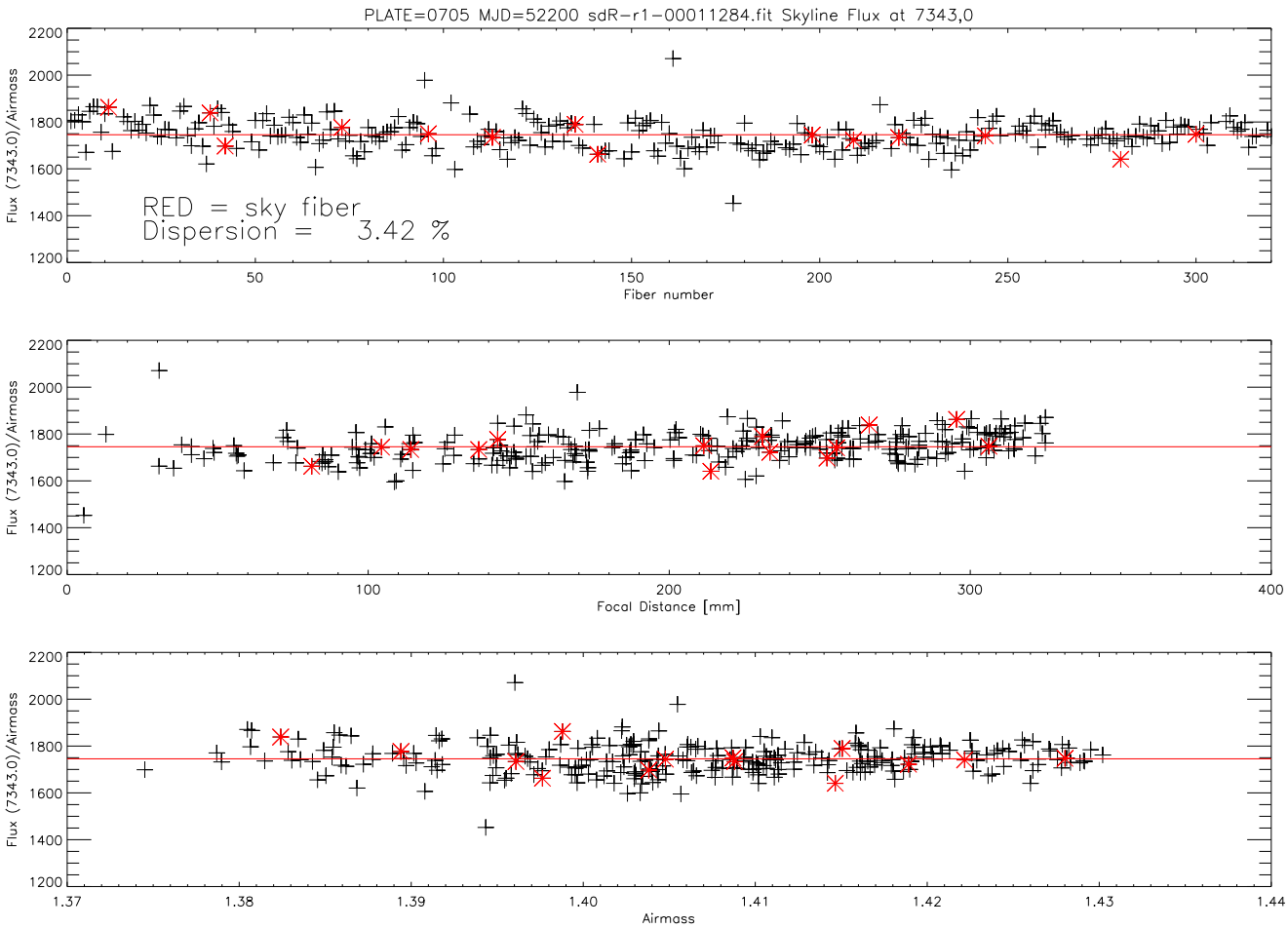

Number of sky fibers = 14
PLATE=0705 MJD=52200 sdR-r1-00011284.fit 1D Sky-subtraction Rescaled Errors
Relative χ
λ [A]
5800
6000
6200
6400
6600
6800
7000
7200
7400
7600
7800
8000
8200
8400
8600
8800
9000
9200
0
1
2
3
4
5

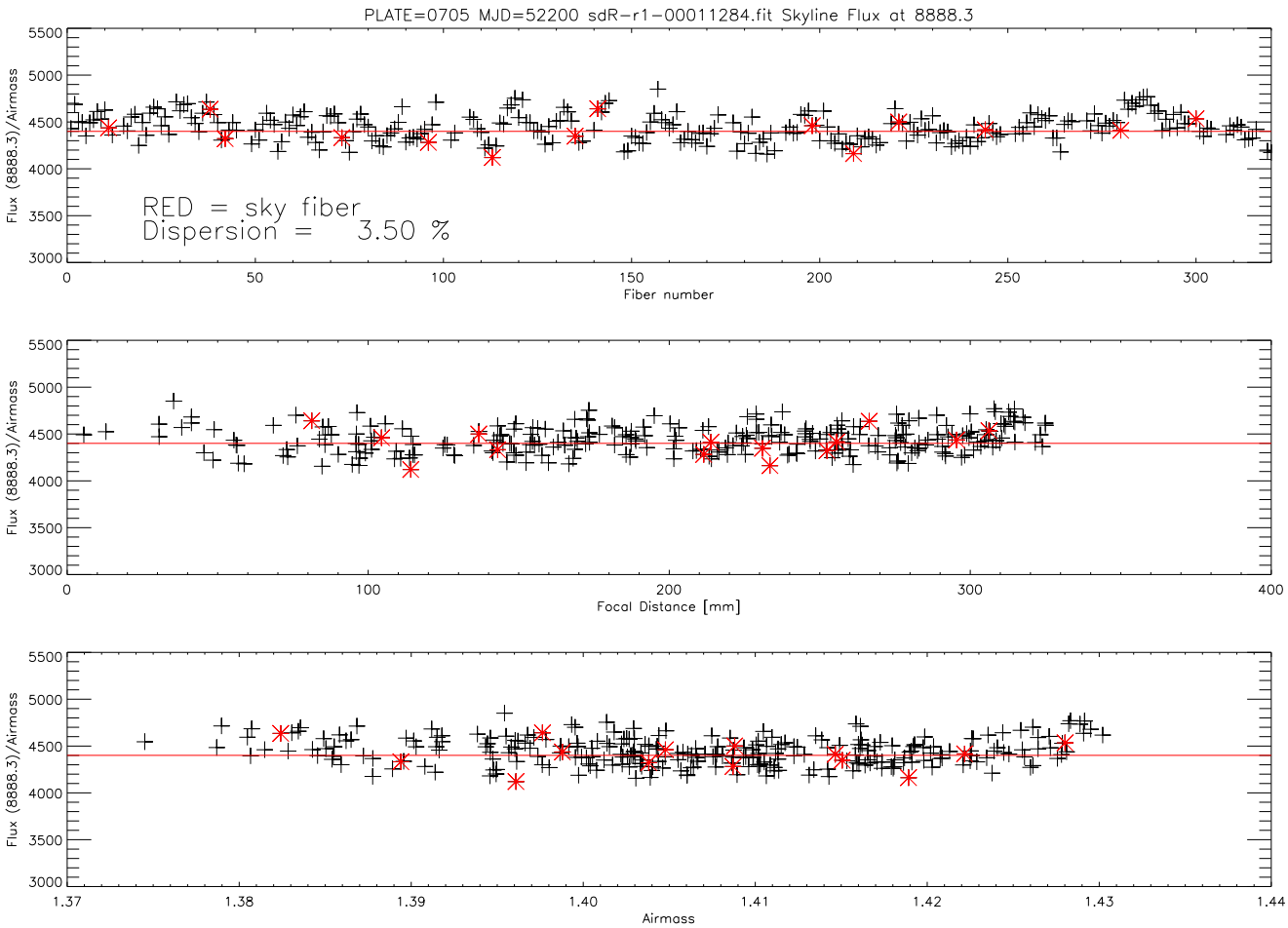

PLATE=0705 MJD=52200 sdR-r1-00011284.fit 2D Sky-subtraction Sky Fibers
Median $\chi^2$
BLUE=After rescaling variance
Fiber number
Median Sky-Sub Flux
Fiber number

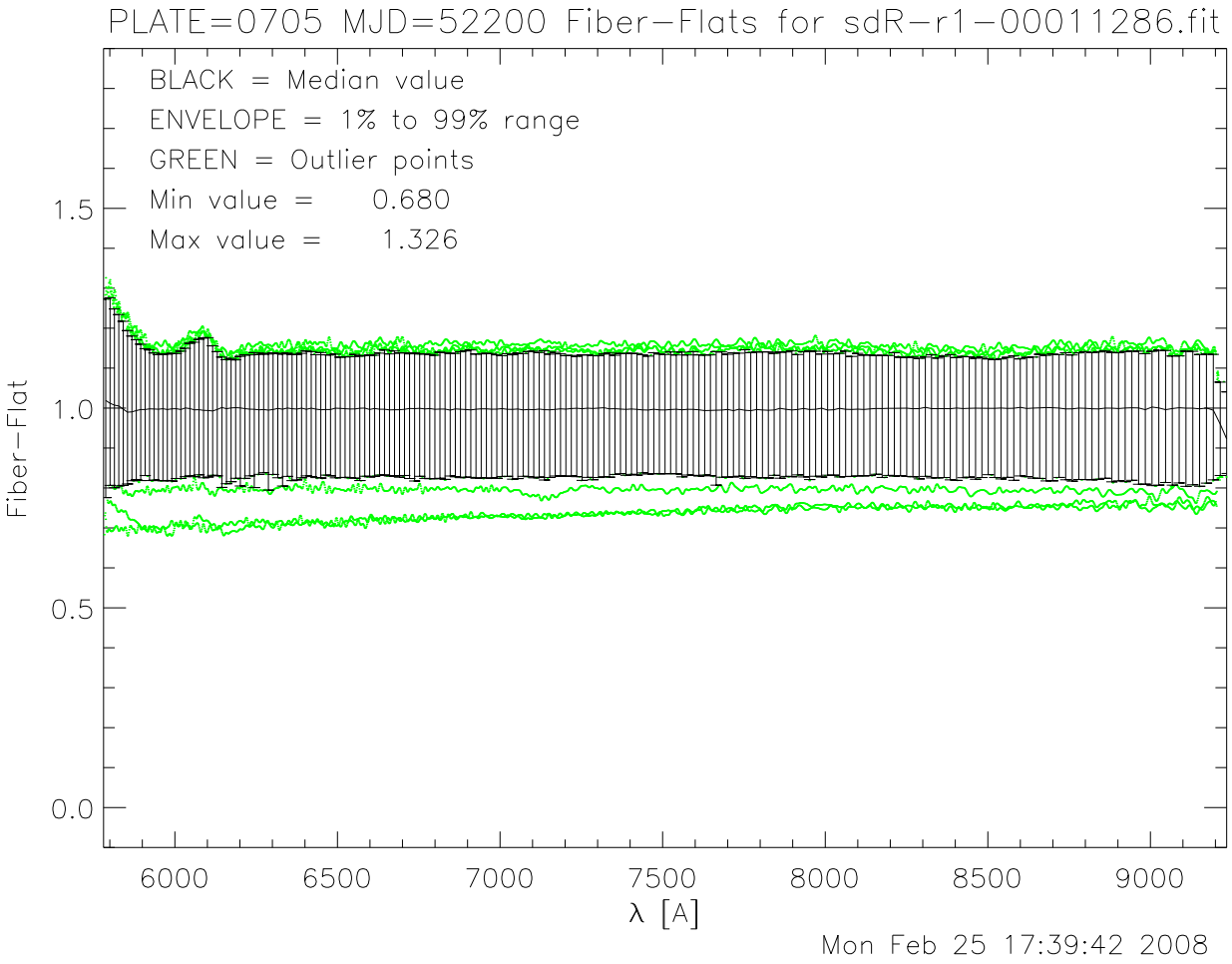

PLATE=0705 MJD=52200 sdR-r1-00011284.fit 2D Sky-subtraction Sky Fibers
Flux [electrons]
4000
3000
2000
1000
0
8820
8840
8860
8880
8900
λ [A]

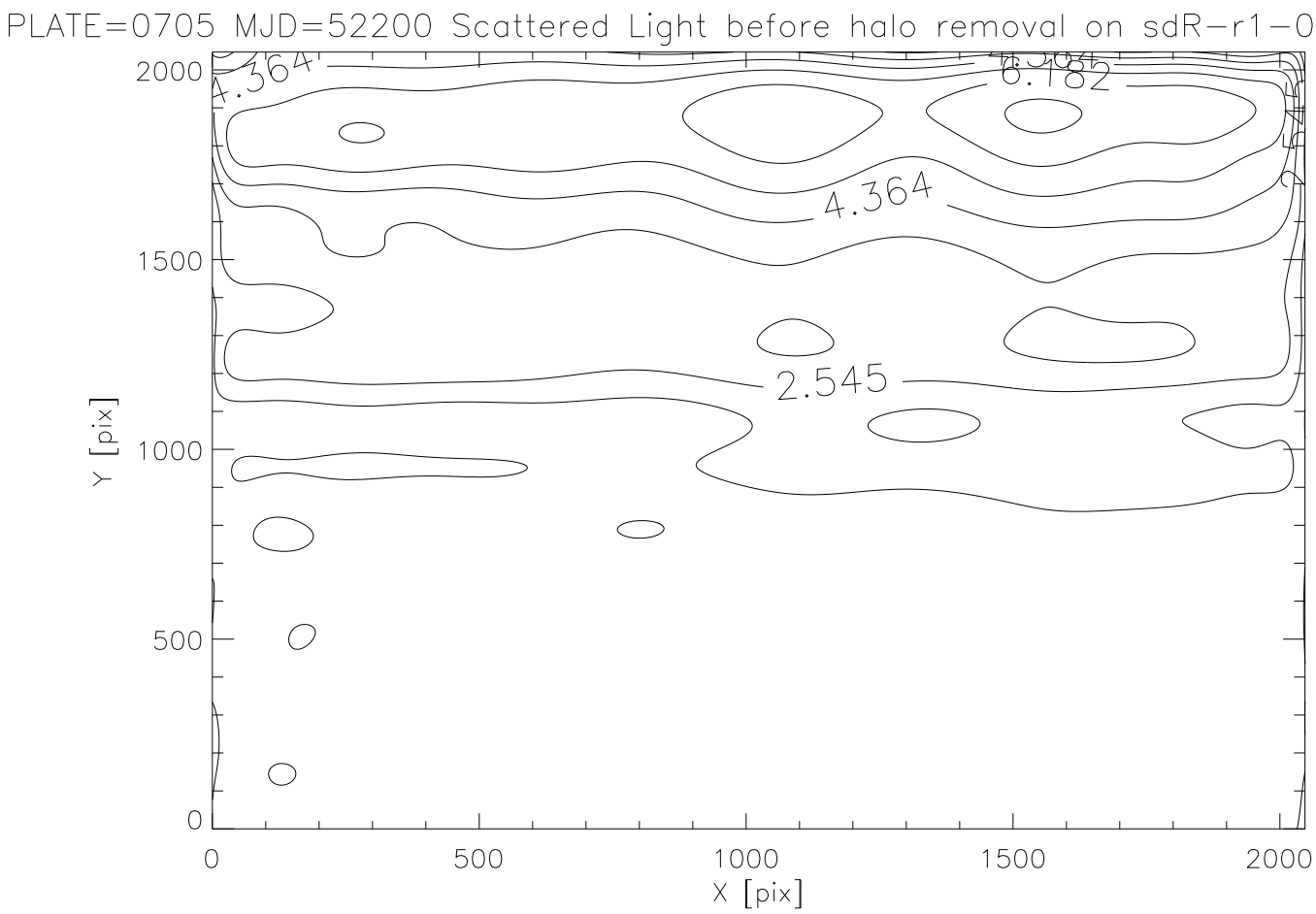

PLATE=0705 MJD=52200 sdR-r1-00011284.fit 2D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
200
100
0
-100
-200
8820
8840
8860
8880
8900
λ [A]

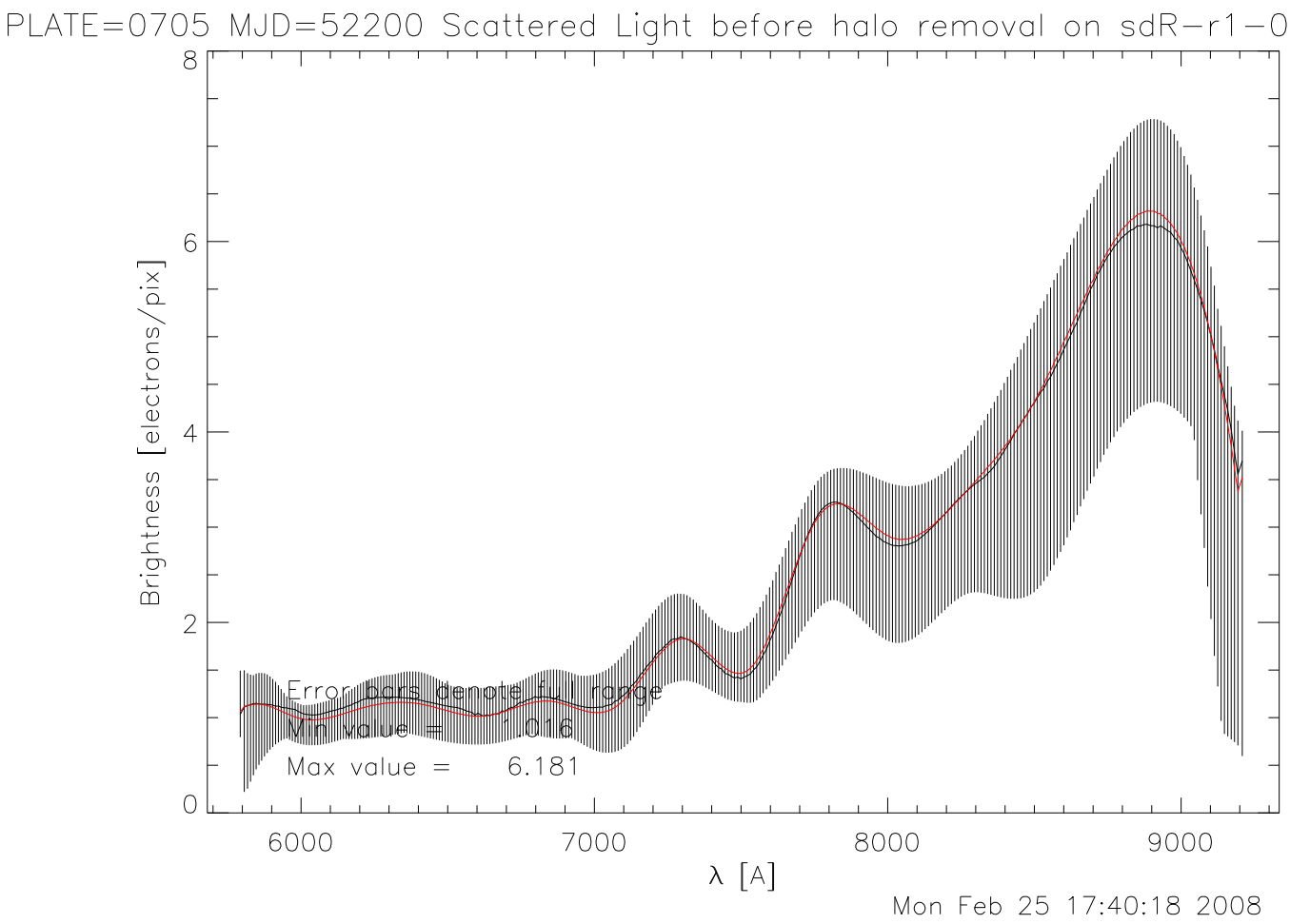

Number of sky fibers = 14
PLATE=0705 MJD=52200 sdR-r1-00011284.fit 2D Sky-subtraction Rescaled Errors
Relative χ
λ [A]
5800
6000
6200
6400
6600
6800
7000
7200
7400
7600
7800
8000
8200
8400
8600
8800
9000
9200
0
1
2
3
4
5

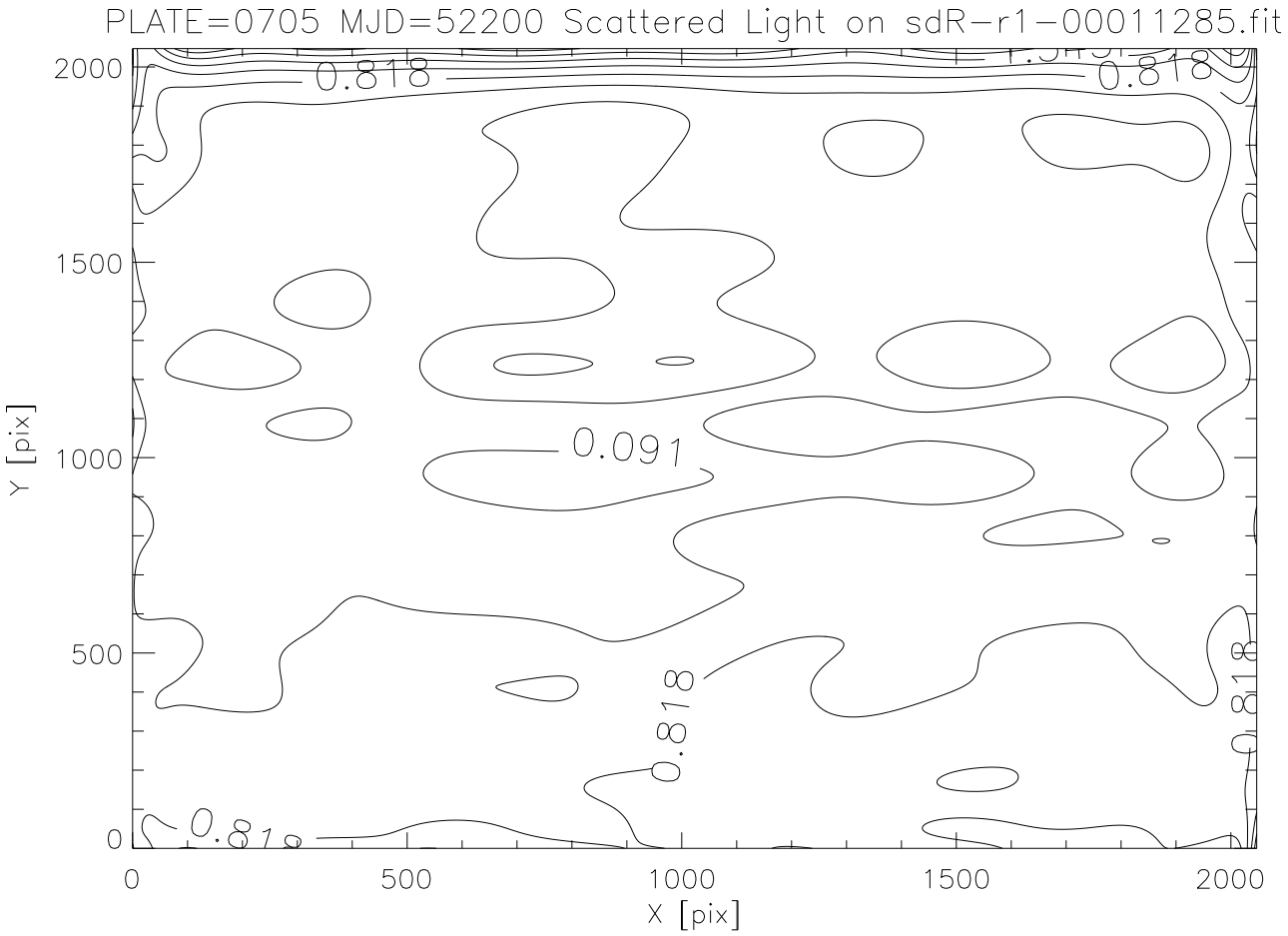

PLATE=0705 MJD=52200 sdR-r1-00011284.fit Skyline Flux at 7343,0
Flux (7343.0)/Airmass
RED = sky fiber
Dispersion = 3.42 %
Fiber number
Flux (7343.0)/Airmass
Focal Distance [mm]
Flux (7343.0)/Airmass
Airmass

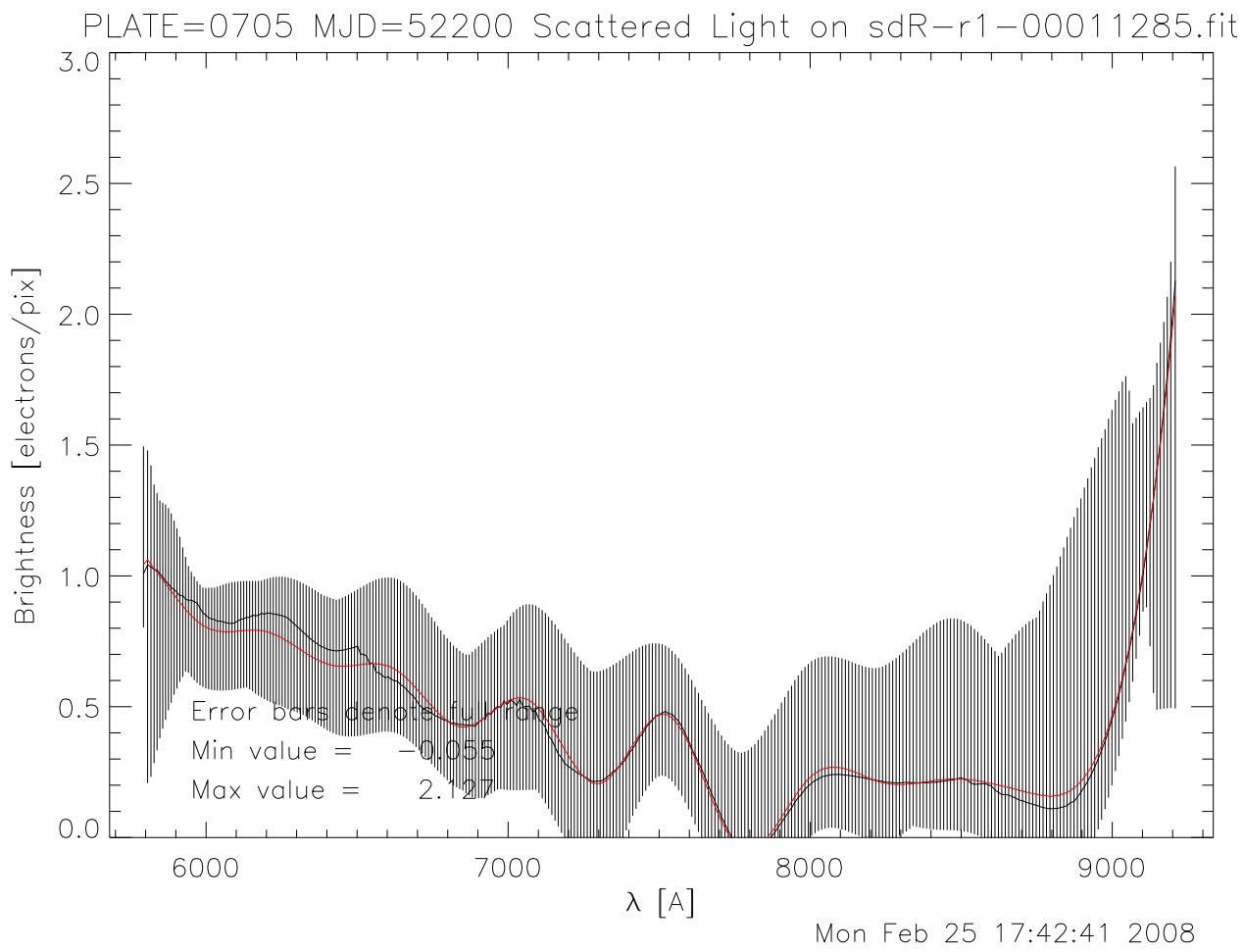

PLATE=0705 MJD=52200 sdR-r1-00011284.fit Skyline Flux at 8888.3
Flux (8888.3)/Airmass
RED = sky fiber
Dispersion = 3.50 %
Fiber number
Flux (8888.3)/Airmass
Focal Distance [mm]
Flux (8888.3)/Airmass
Airmass

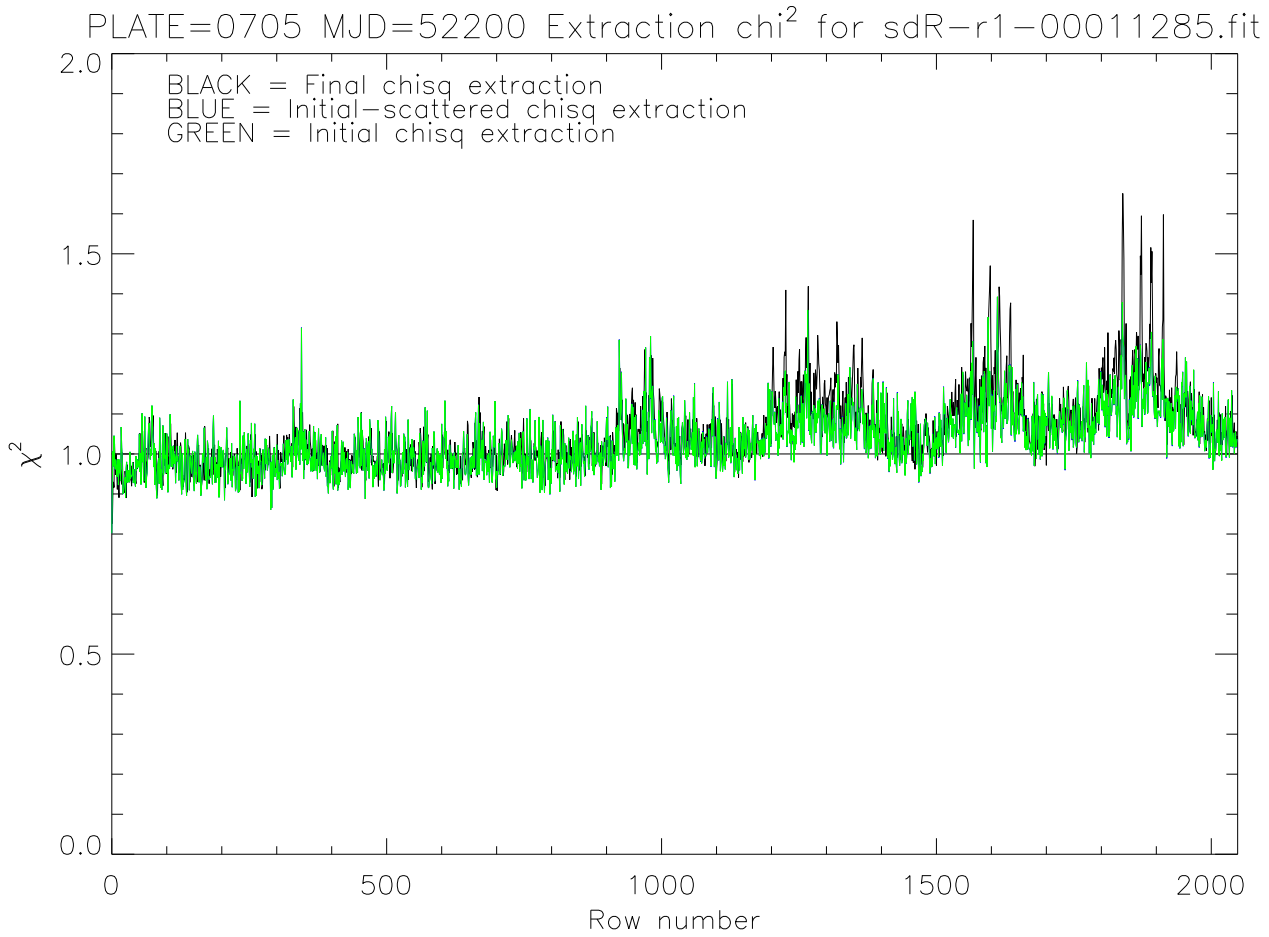

PLATE=0705 MJD=52200 Fiber−Flats for sdR−r1−00011286.fit
BLACK = Median value
ENVELOPE = 1% to 99% range
GREEN = Outlier points
Min value = 0.680
Max value = 1.326
Fiber−Flat
1.5
1.0
0.5
0.0
6000
6500
7000
7500
8000
8500
9000
λ [A]
Mon Feb 25 17:39:42 2008

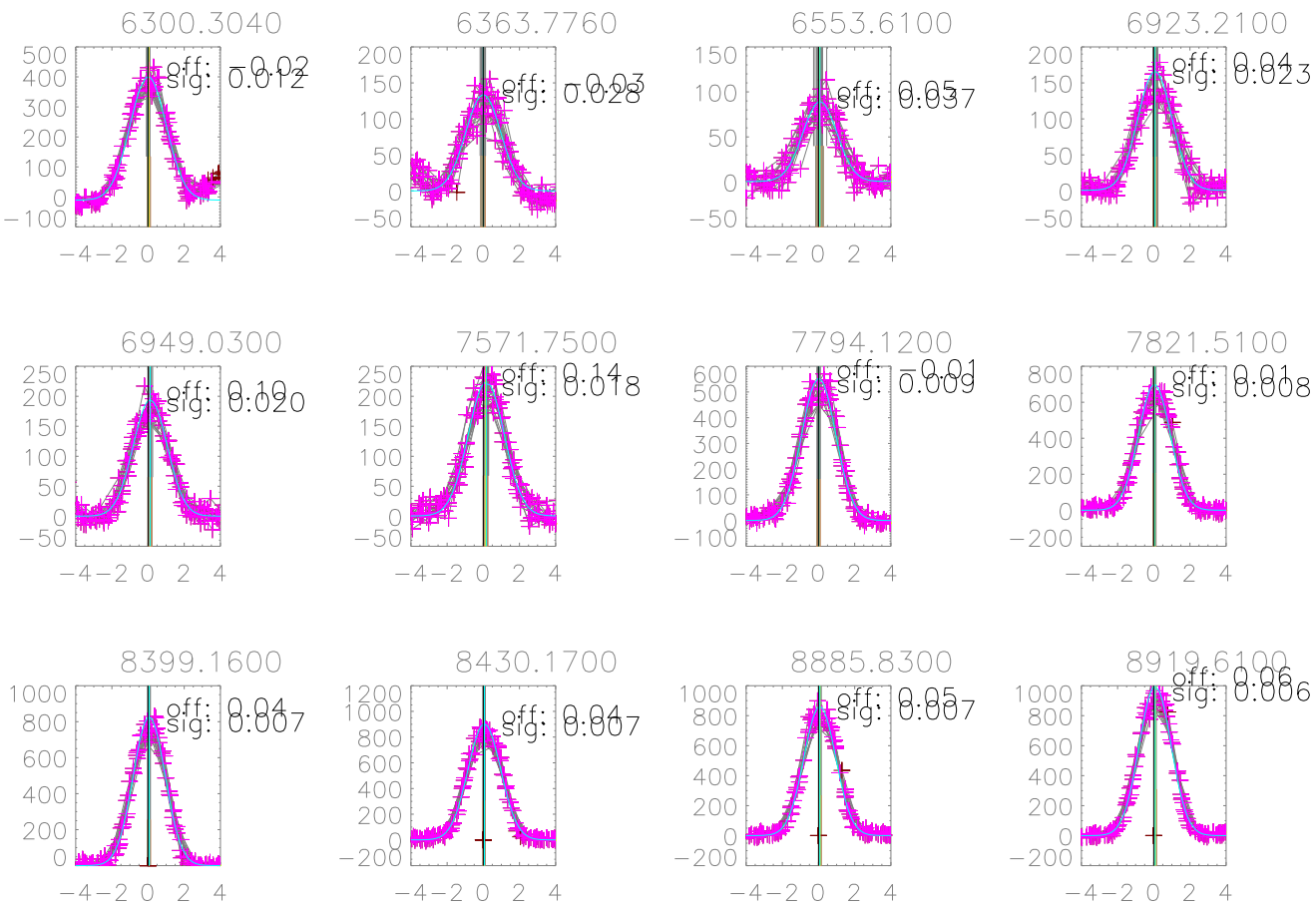

PLATE=0705 MJD=52200 Scattered Light before halo removal on sdR-r1-00011285.fi
4.364
8.182
4.364
2.545
2000
1500
1000
500
0
Y [pix]
0
500
1000
1500
2000
X [pix]

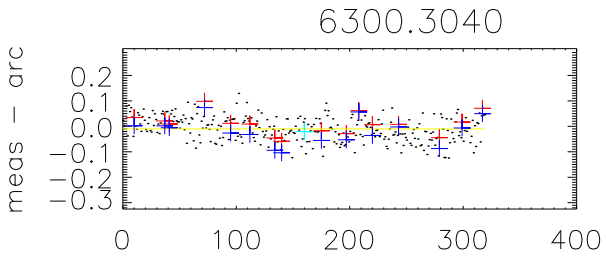

PLATE=0705 MJD=52200 Scattered Light before halo removal on sdR-r1-00011285.fi
Brightness [electrons/pix]
λ [A]
Error bars denote full range
Min value = -.016
Max value = 6.181
Mon Feb 25 17:40:18 2008

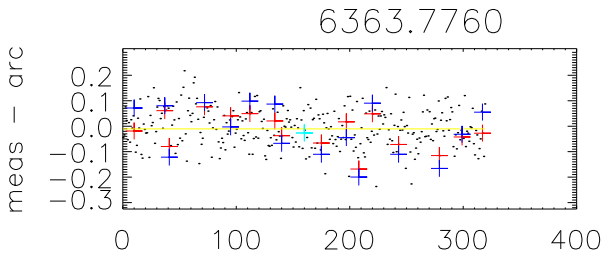

PLATE=0705 MJD=52200 Scattered Light on sdR−r1−00011285.fit
0.818
0.818
0.091
0.818
0.818
0.818
2000
1500
1000
500
0
0
500
1000
1500
2000
Y [pix]
X [pix]

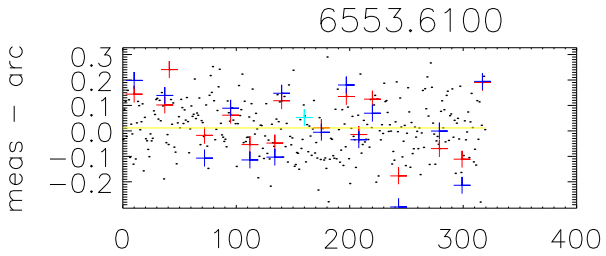

PLATE=0705 MJD=52200 Scattered Light on sdR-r1-00011285.fit
Brightness [electrons/pix]
3.0
2.5
2.0
1.5
1.0
0.5
0.0
6000
7000
8000
9000
λ [A]
Error bars denote full range
Min value = -0.055
Max value = 2.127
Mon Feb 25 17:42:41 2008

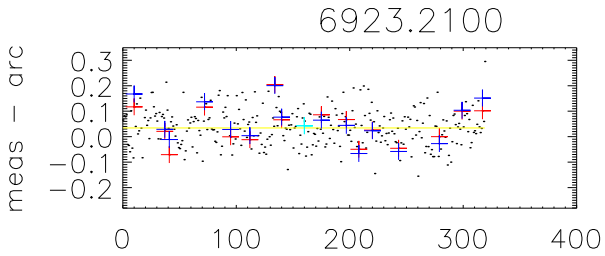

PLATE=0705 MJD=52200 Extraction chi$^2$ for sdR−r1−00011285.fit
BLACK = Final chisq extraction
BLUE = Initial−scattered chisq extraction
GREEN = Initial chisq extraction
$\chi^2$
2.0
1.5
1.0
0.5
0.0
0
500
1000
1500
2000
Row number

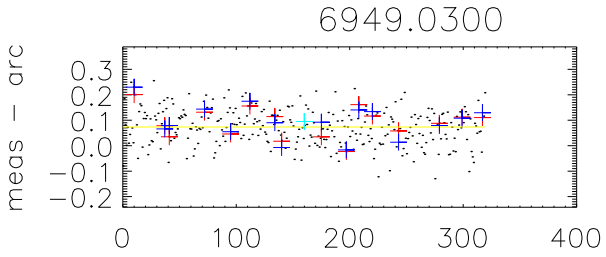

6300.3040
off: −0.02
sig: 0.012
6363.7760
off: −0.03
sig: 0.028
6553.6100
off: 0.05
sig: 0.037
6923.2100
off: 0.04
sig: 0.023
6949.0300
off: 0.10
sig: 0.020
7571.7500
off: 0.14
sig: 0.018
7794.1200
off: −0.01
sig: 0.009
7821.5100
off: 0.01
sig: 0.008
8399.1600
off: 0.04
sig: 0.007
8430.1700
off: 0.04
sig: 0.007
8885.8300
off: 0.05
sig: 0.007
8919.6100
off: 0.06
sig: 0.006

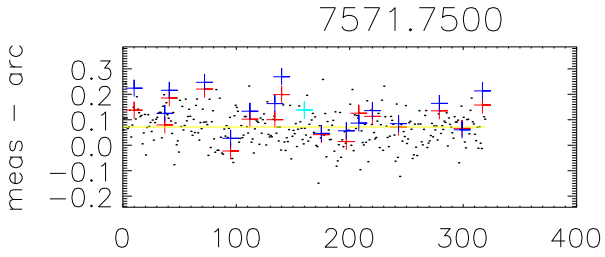

6300.3040
meas − arc
0.2
0.1
0.0
−0.1
−0.2
−0.3
0
100
200
300
400

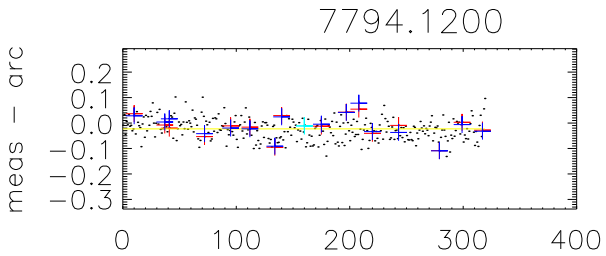

6363.7760
meas − arc
0.2
0.1
0.0
−0.1
−0.2
−0.3
0
100
200
300
400

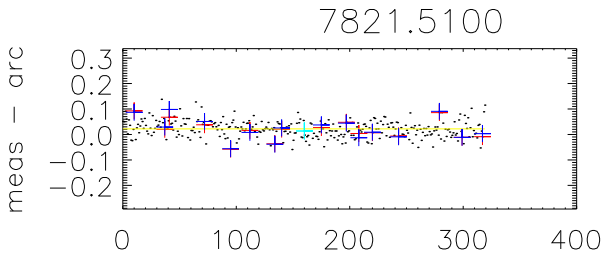

6553.6100
meas − arc
0.3
0.2
0.1
0.0
−0.1
−0.2
0
100
200
300
400

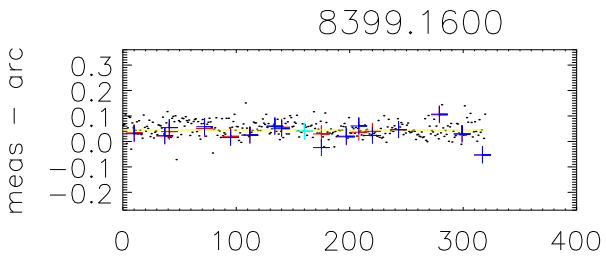

6923.2100
meas − arc
0.3
0.2
0.1
0.0
−0.1
−0.2
0
100
200
300
400

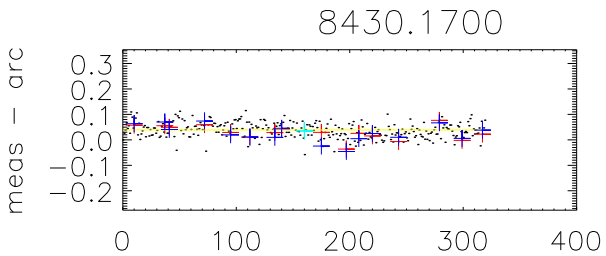

6949.0300
meas − arc
0.3
0.2
0.1
0.0
−0.1
−0.2
0
100
200
300
400

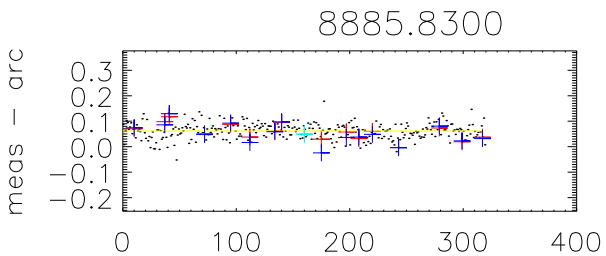

7571.7500
meas − arc
0.3
0.2
0.1
0.0
−0.1
−0.2
0
100
200
300
400

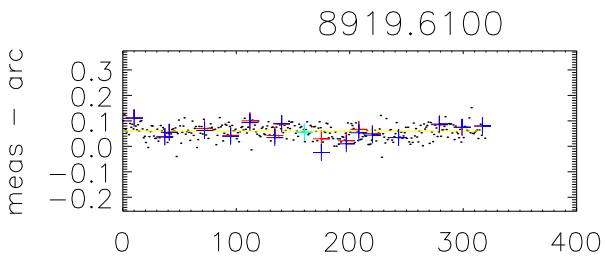

7794.1200
meas − arc
0.2
0.1
0.0
−0.1
−0.2
−0.3
0
100
200
300
400

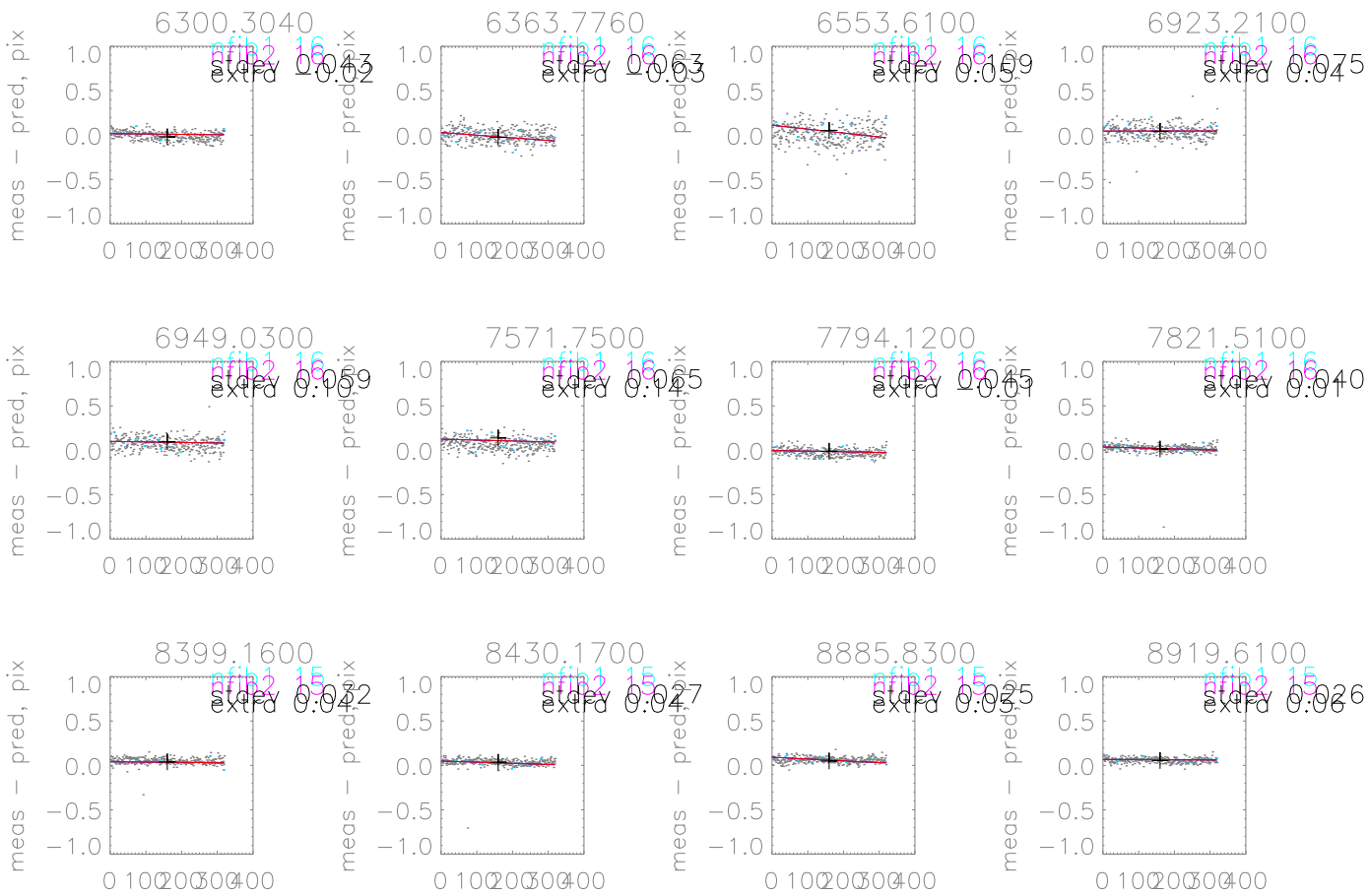

7821.5100
meas − arc
0.3
0.2
0.1
0.0
−0.1
−0.2
0
100
200
300
400

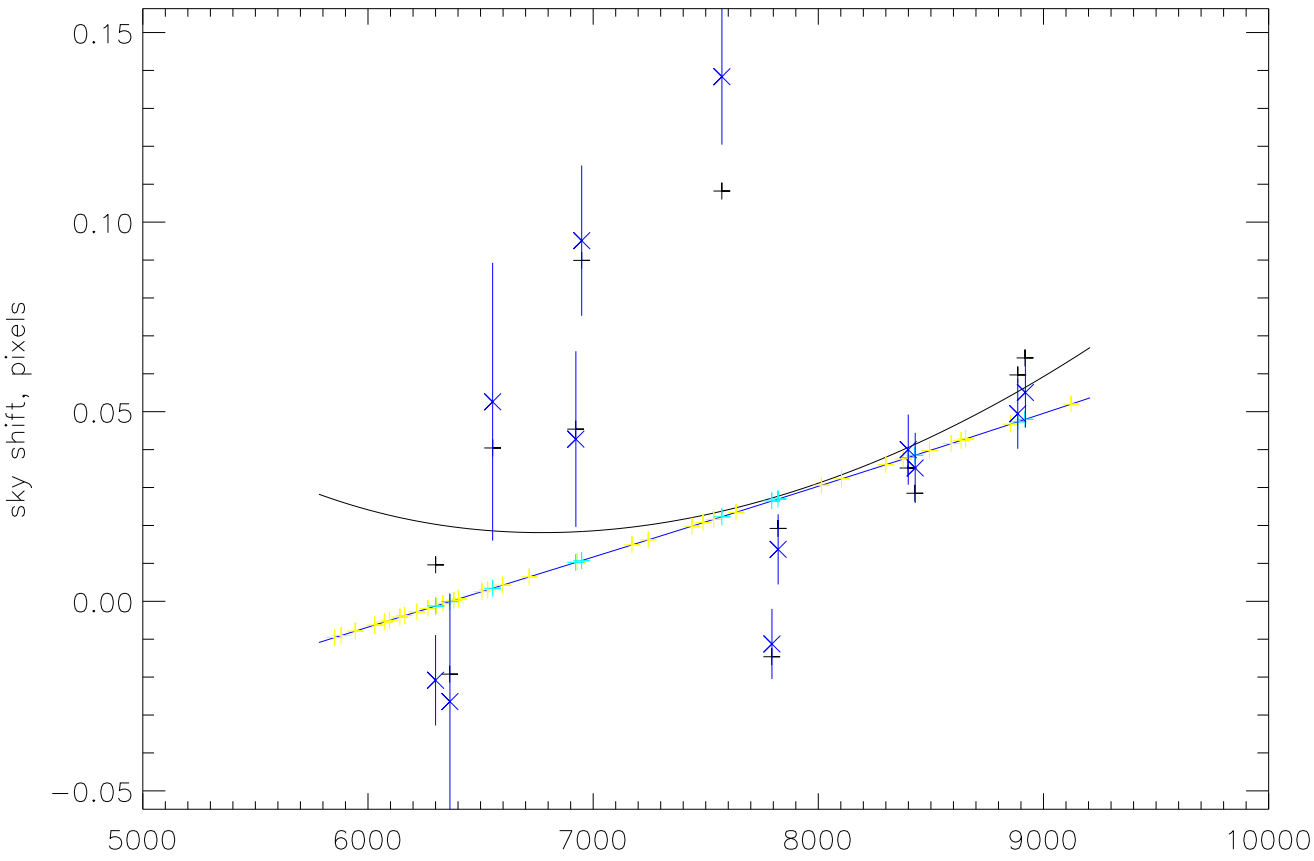

8399.1600
meas − arc
0.3
0.2
0.1
0.0
−0.1
−0.2
0
100
200
300
400

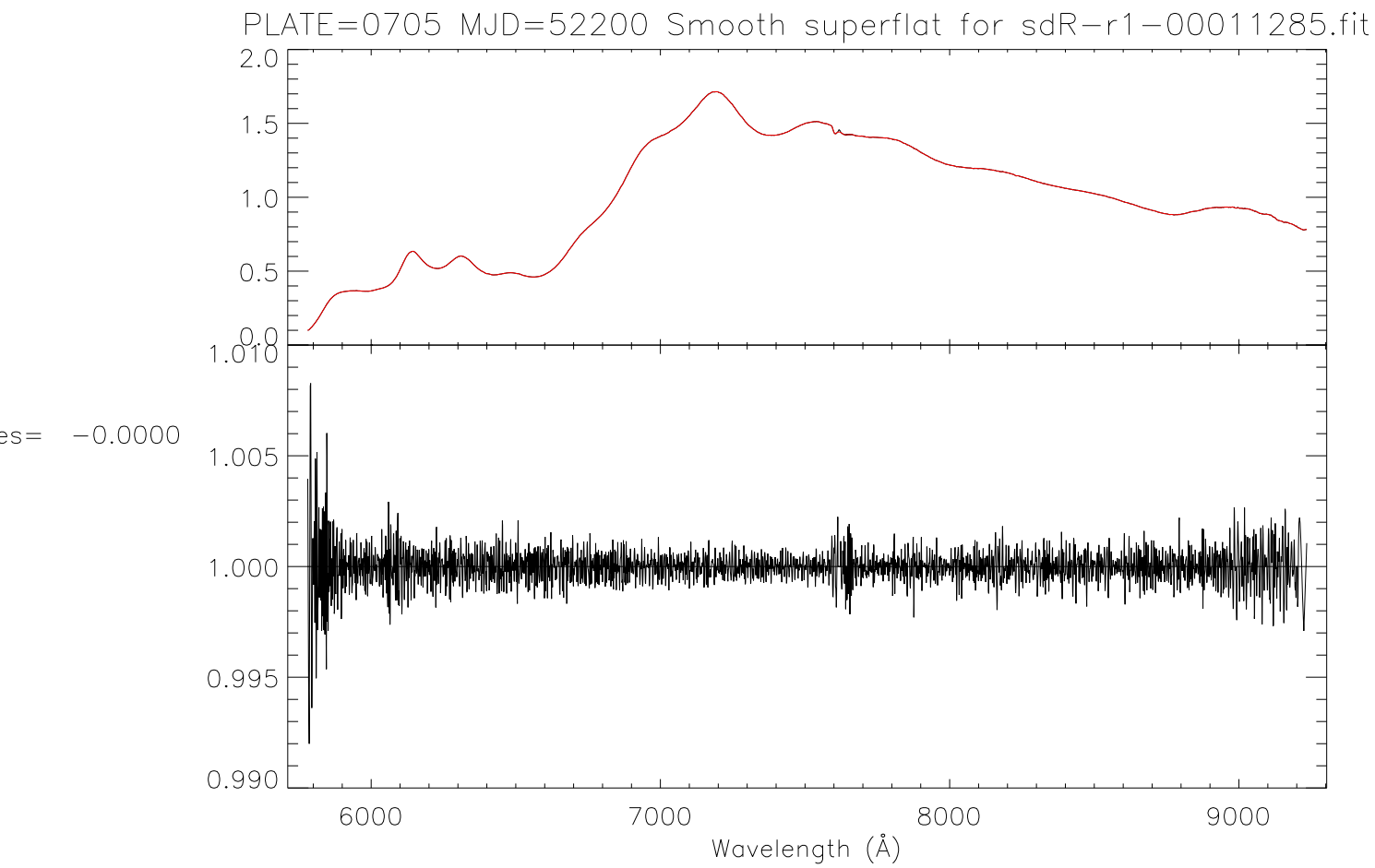

8430.1700
meas − arc
0.3
0.2
0.1
0.0
−0.1
−0.2
0
100
200
300
400


8885.8300
meas − arc
0.3
0.2
0.1
0.0
−0.1
−0.2
0
100
200
300
400

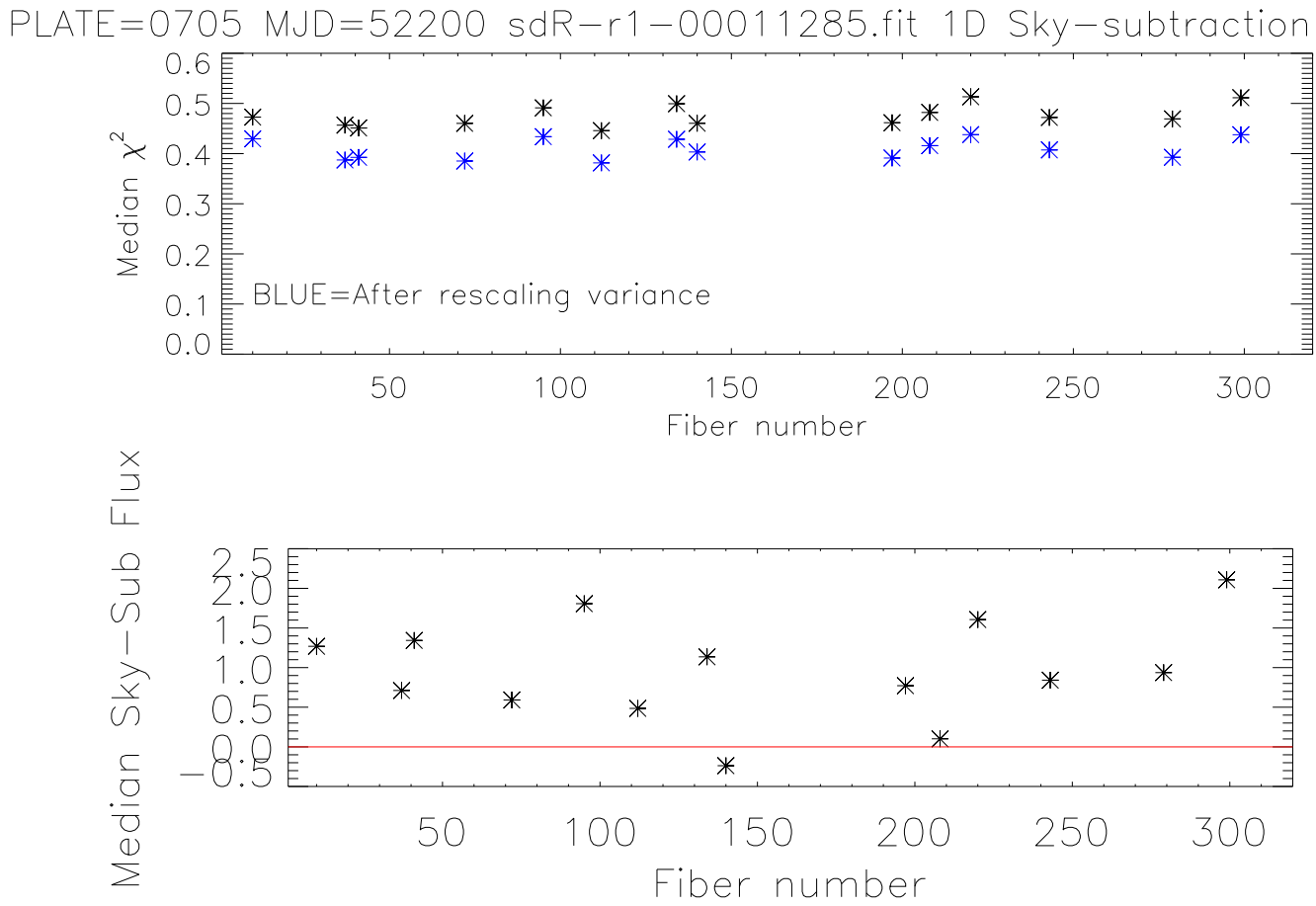

8919.6100
meas − arc
0.3
0.2
0.1
0.0
−0.1
−0.2
0
100
200
300
400

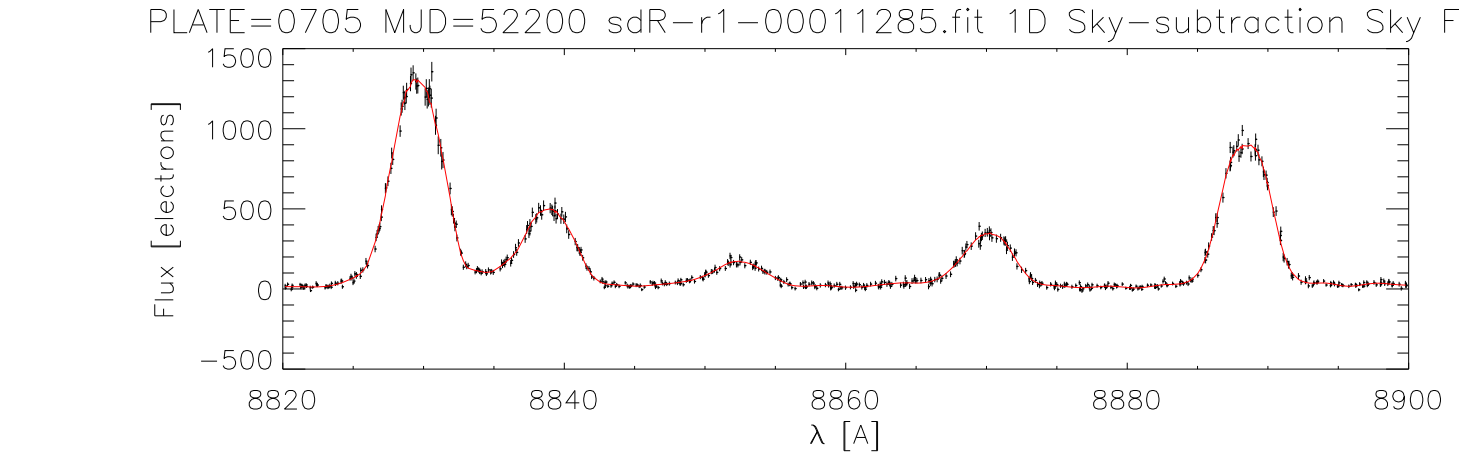

6300.3040
stdev 0.043
extra −0.02
6363.7760
stdev 0.063
extra −0.03
6553.6100
stdev 0.109
extra 0.05
6923.2100
stdev 0.075
extra 0.04
6949.0300
stdev 0.059
extra 0.10
7571.7500
stdev 0.065
extra 0.14
7794.1200
stdev 0.045
extra −0.01
7821.5100
stdev 0.040
extra 0.01
8399.1600
stdev 0.032
extra 0.04
8430.1700
stdev 0.027
extra 0.04
8885.8300
stdev 0.025
extra 0.03
8919.6100
stdev 0.026
extra 0.06
meas − pred, pix
mfb2 16
mfb2 15

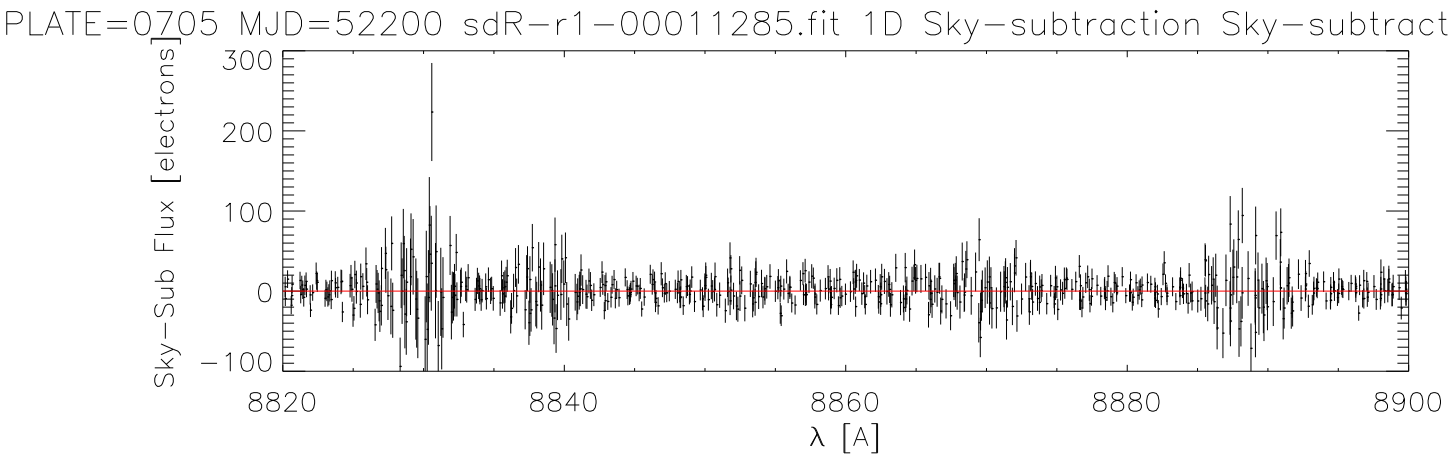

0.15
0.10
0.05
0.00
−0.05
sky shift, pixels
5000
6000
7000
8000
9000
10000

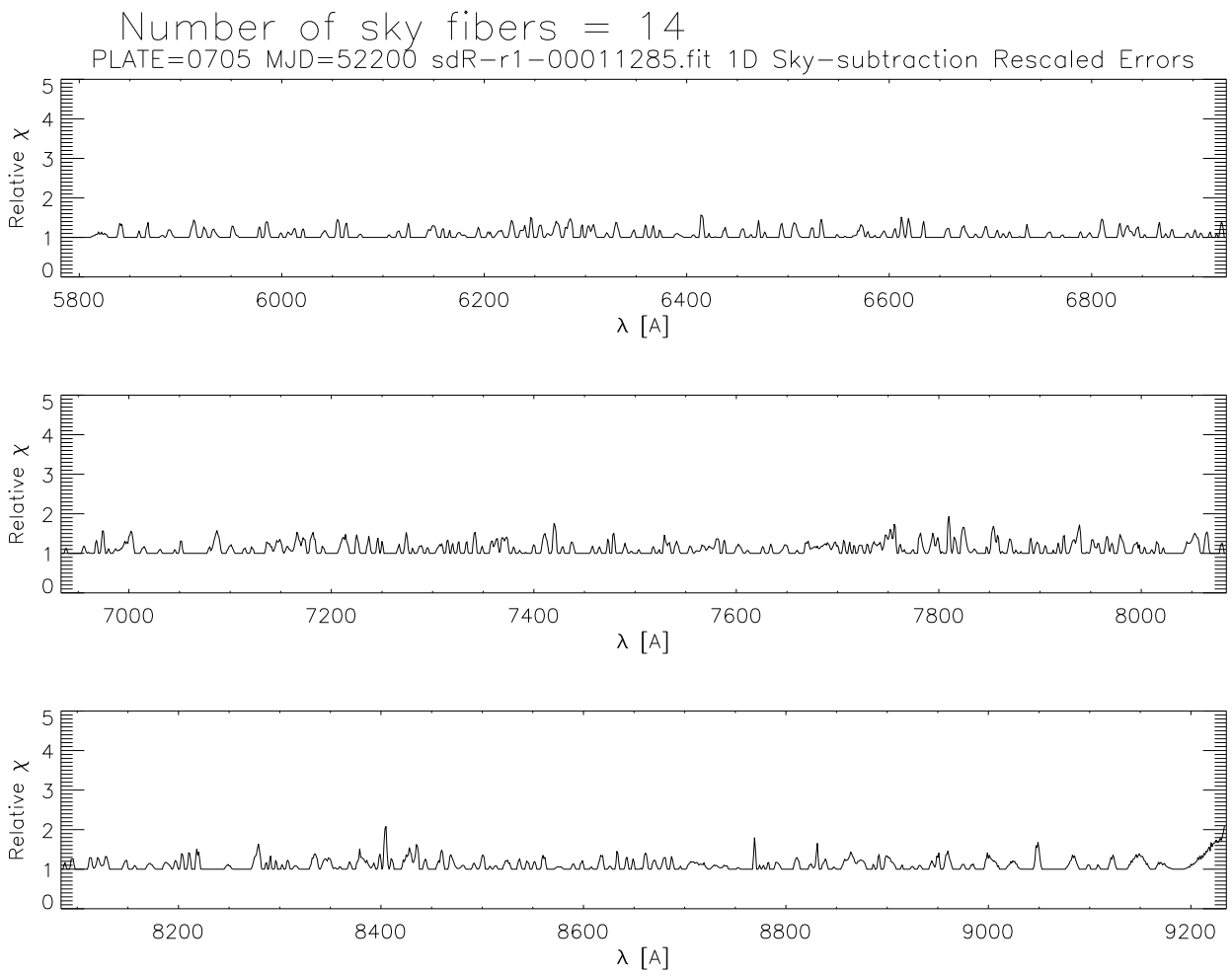

PLATE=0705 MJD=52200 Smooth superflat for sdR-r1-00011285.fit
2.0
1.5
1.0
0.5
0.0
1.010
1.005
1.000
0.995
0.990
6000
7000
8000
9000
Wavelength (Å)

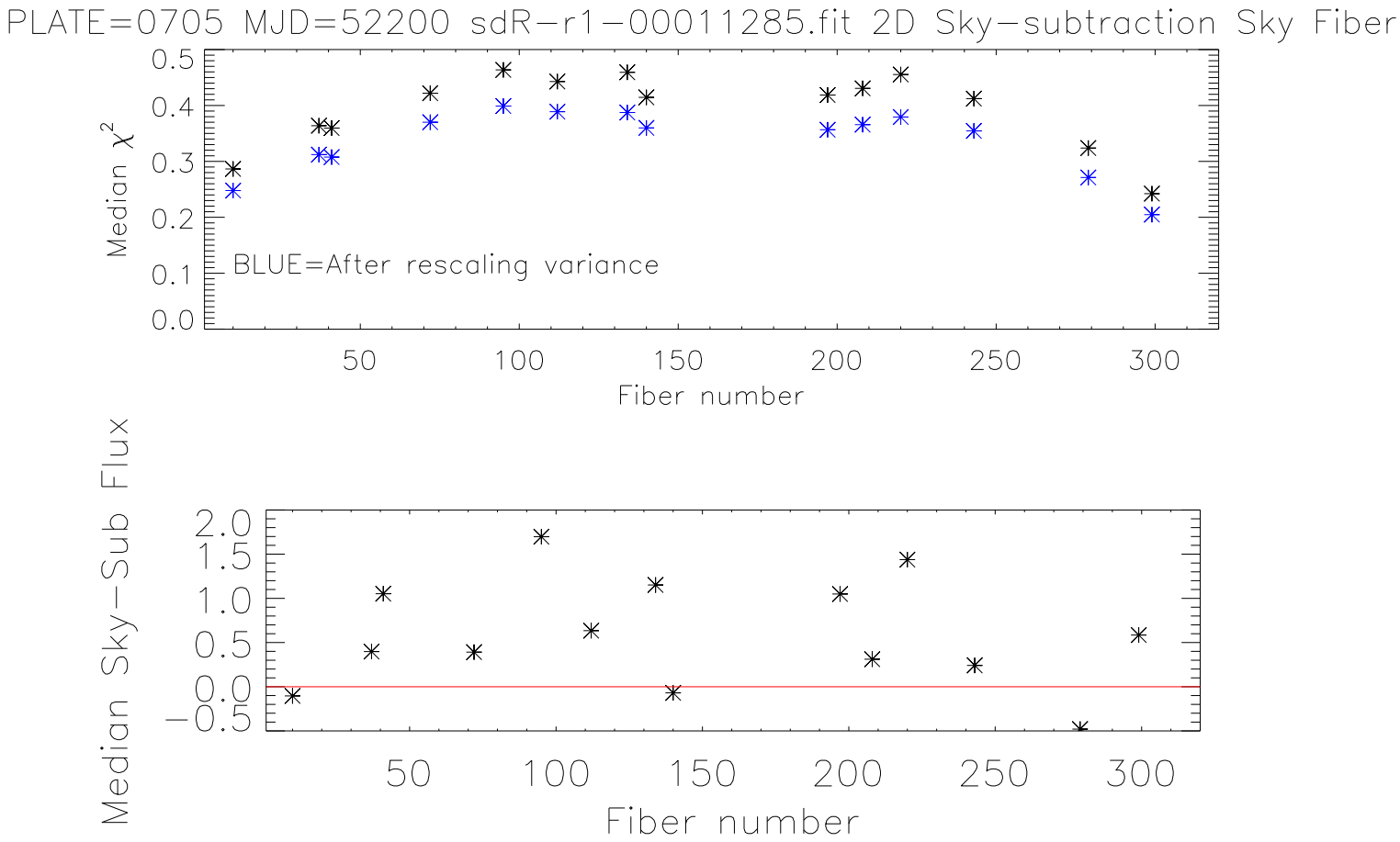
es= −0.0000

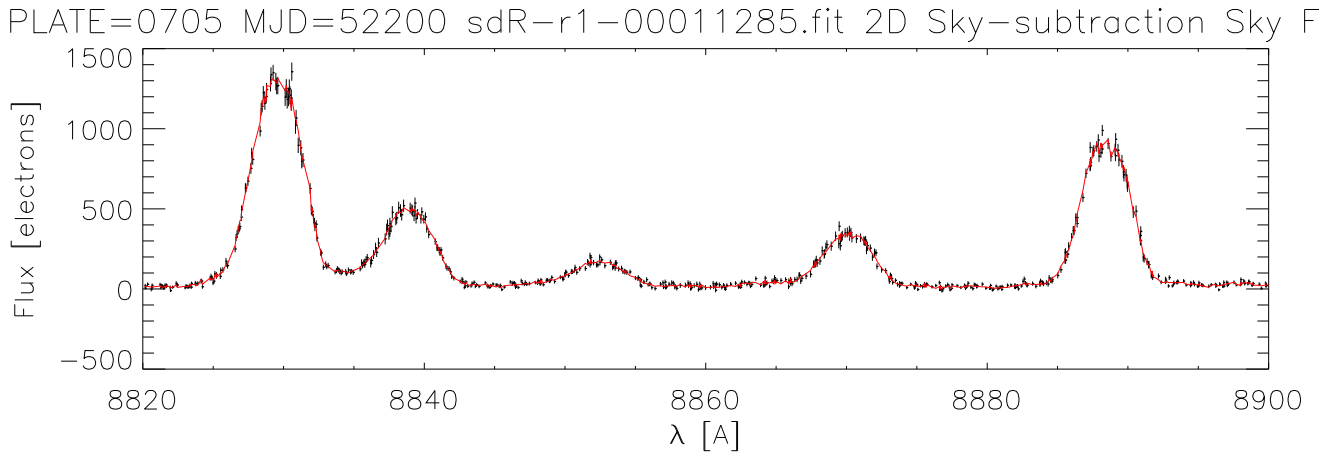

PLATE=0705 MJD=52200 sdR-r1-00011285.fit 1D Sky-subtraction Sky Fibers
Median $\chi^2$
BLUE=After rescaling variance
Fiber number
Median Sky-Sub Flux
Fiber number

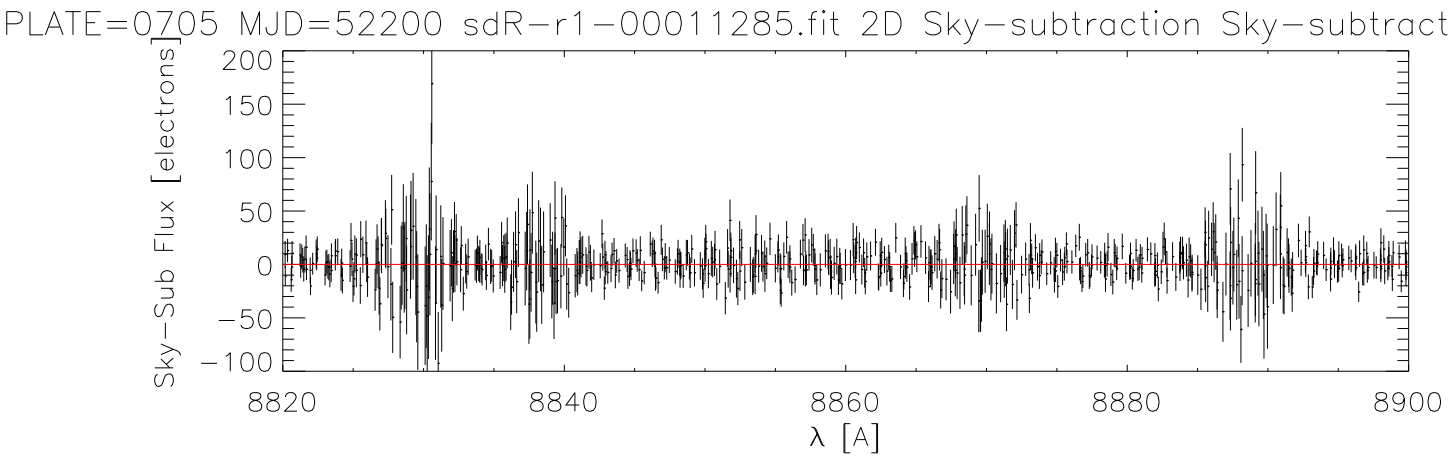

PLATE=0705 MJD=52200 sdR-r1-00011285.fit 1D Sky-subtraction Sky Fibers
Flux [electrons]
1500
1000
500
0
-500
8820
8840
8860
8880
8900
λ [A]

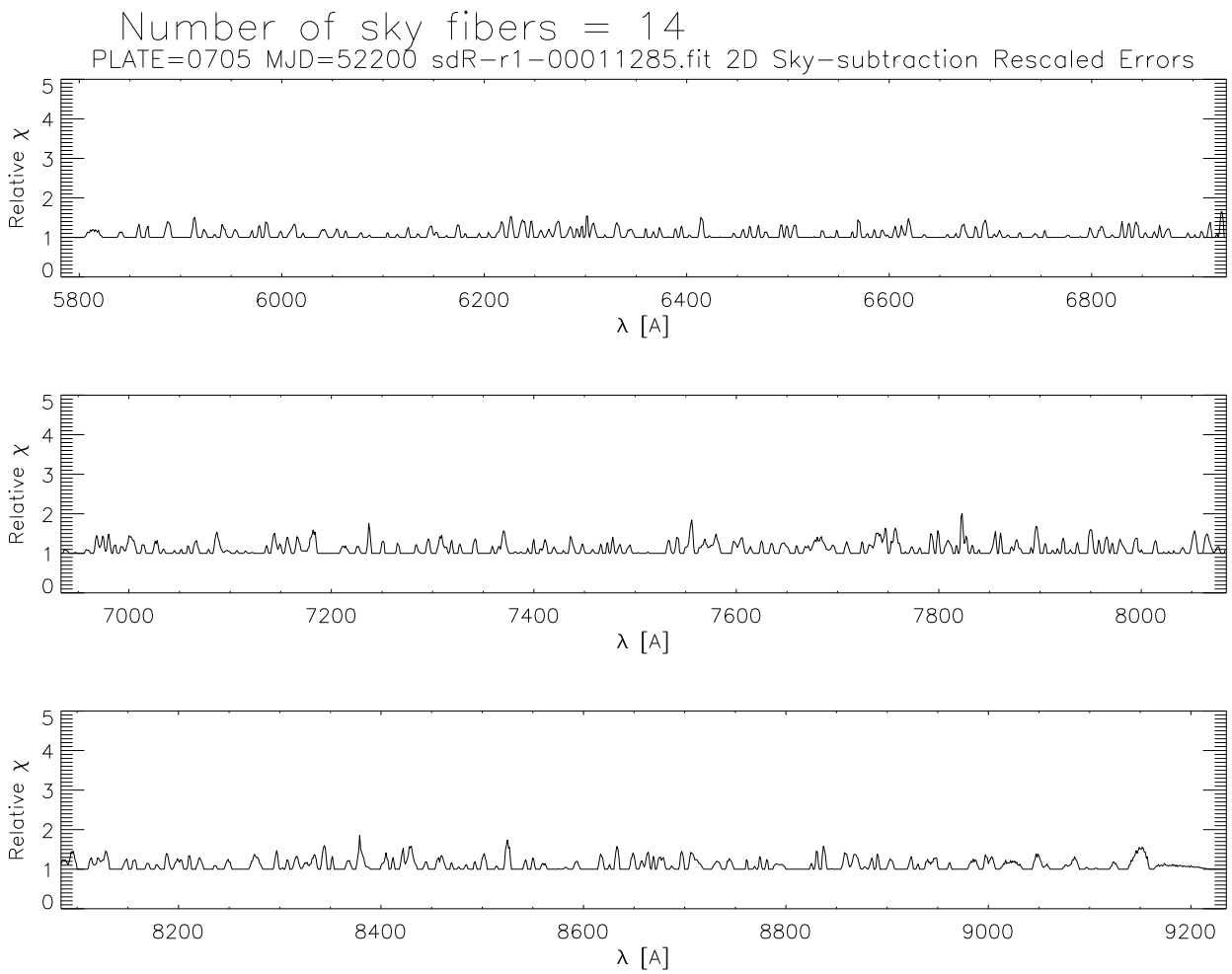

PLATE=0705 MJD=52200 sdR-r1-00011285.fit 1D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
300
200
100
0
-100
8820
8840
8860
8880
8900
λ [A]

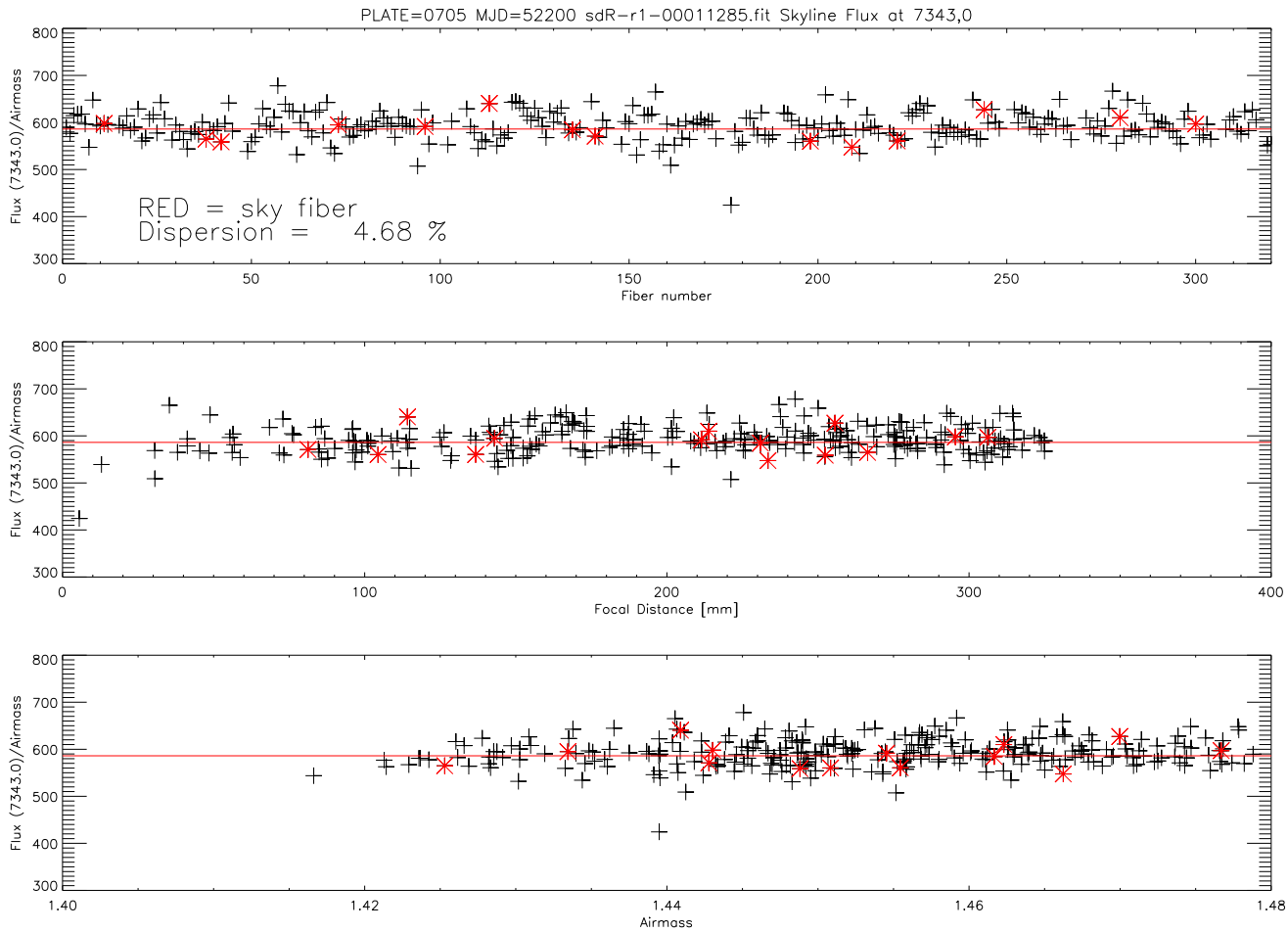

Number of sky fibers = 14
PLATE=0705 MJD=52200 sdR-r1-00011285.fit 1D Sky-subtraction Rescaled Errors
Relative χ
λ [A]
5800
6000
6200
6400
6600
6800
7000
7200
7400
7600
7800
8000
8200
8400
8600
8800
9000
9200
0
1
2
3
4
5

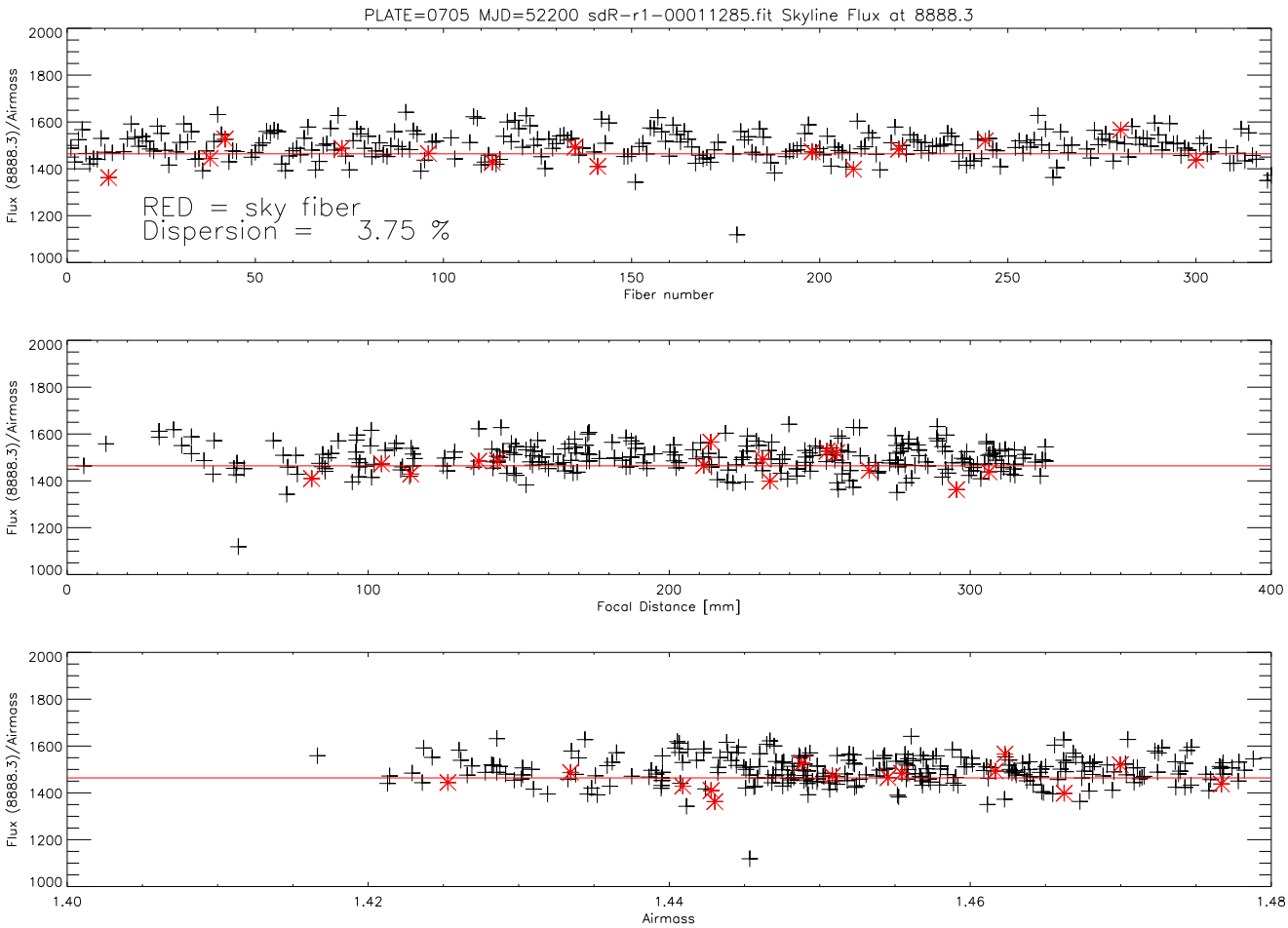

PLATE=0705 MJD=52200 sdR-r1-00011285.fit 2D Sky-subtraction Sky Fibers
Median $\chi^2$
BLUE=After rescaling variance
Fiber number
Median Sky-Sub Flux
Fiber number

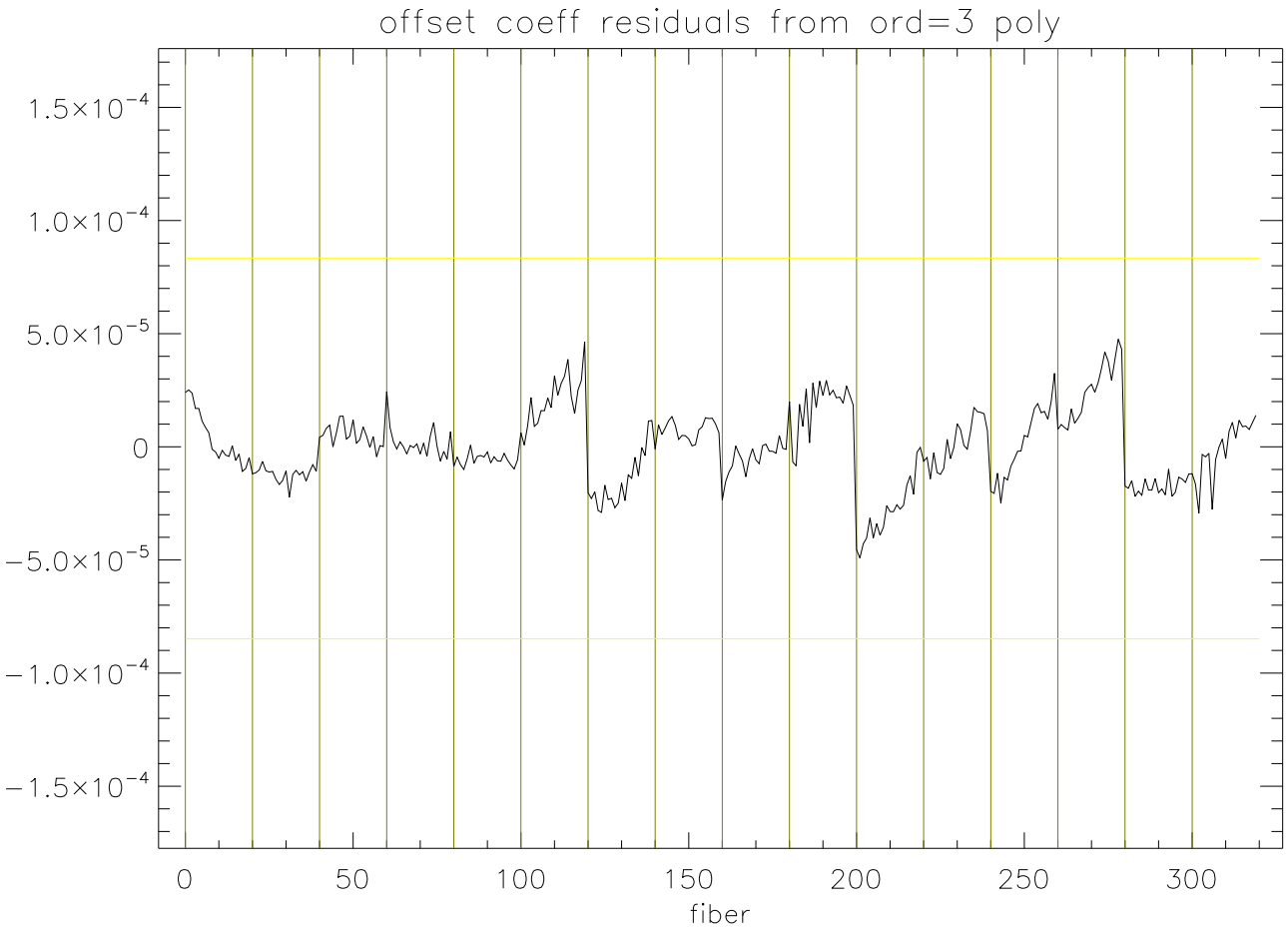

PLATE=0705 MJD=52200 sdR-r1-00011285.fit 2D Sky-subtraction Sky Fibers
Flux [electrons]
1500
1000
500
0
-500
8820
8840
8860
8880
8900
λ [A]

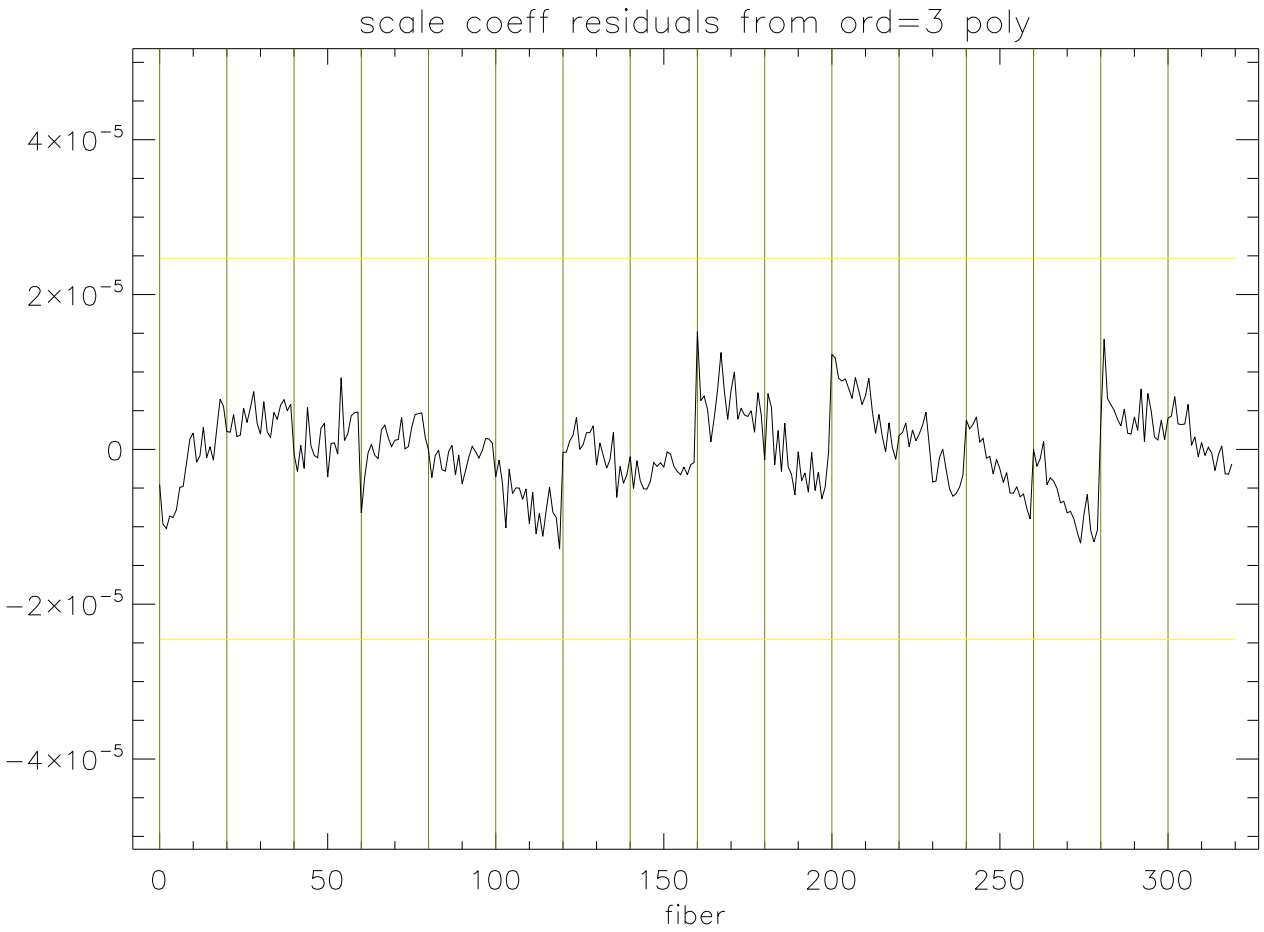

PLATE=0705 MJD=52200 sdR-r1-00011285.fit 2D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
200
150
100
50
0
-50
-100
8820
8840
8860
8880
8900
λ [A]

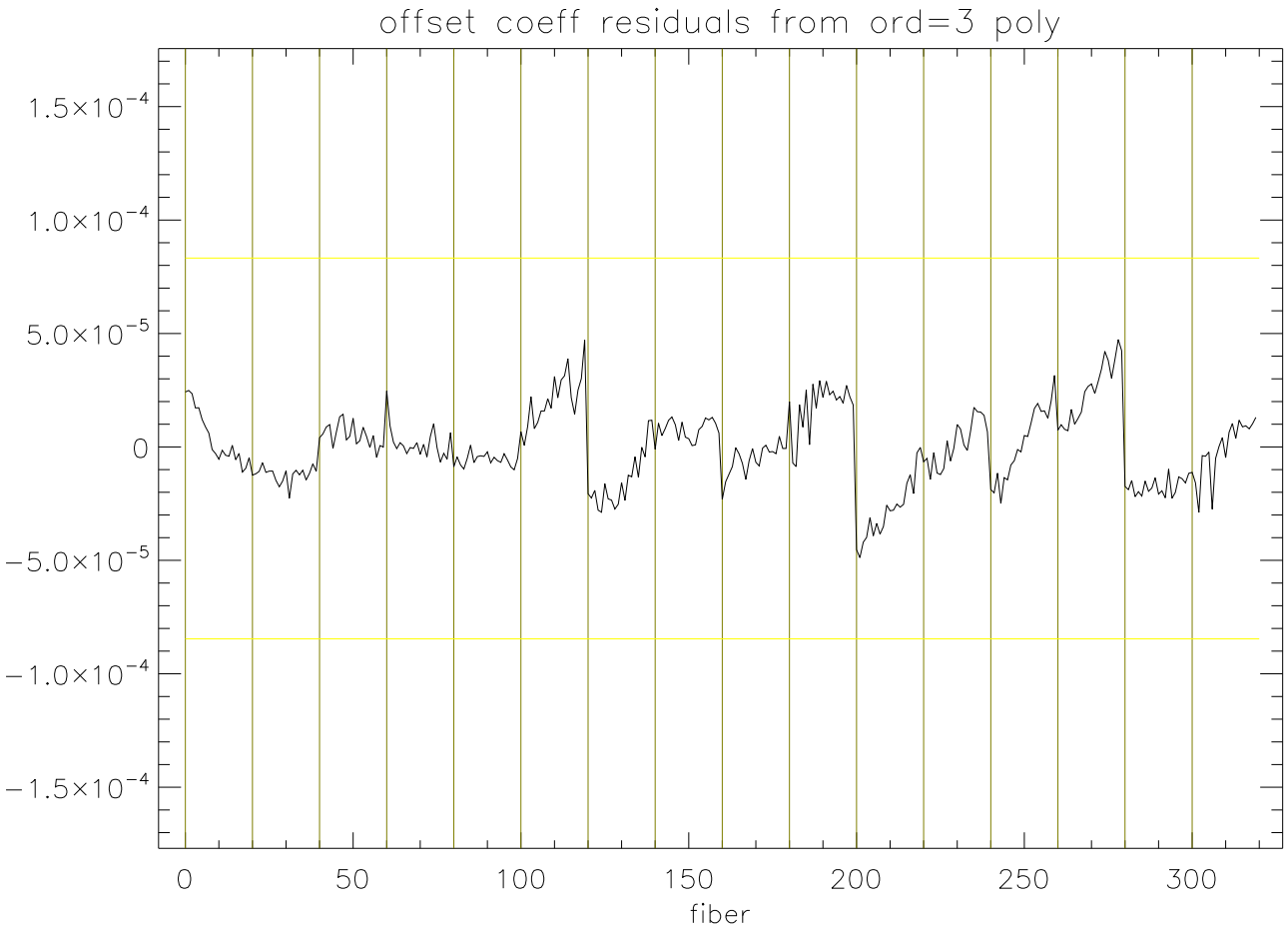

Number of sky fibers = 14
PLATE=0705 MJD=52200 sdR-r1-00011285.fit 2D Sky-subtraction Rescaled Errors
Relative χ
λ [A]
5800
6000
6200
6400
6600
6800
7000
7200
7400
7600
7800
8000
8200
8400
8600
8800
9000
9200
0
1
2
3
4
5

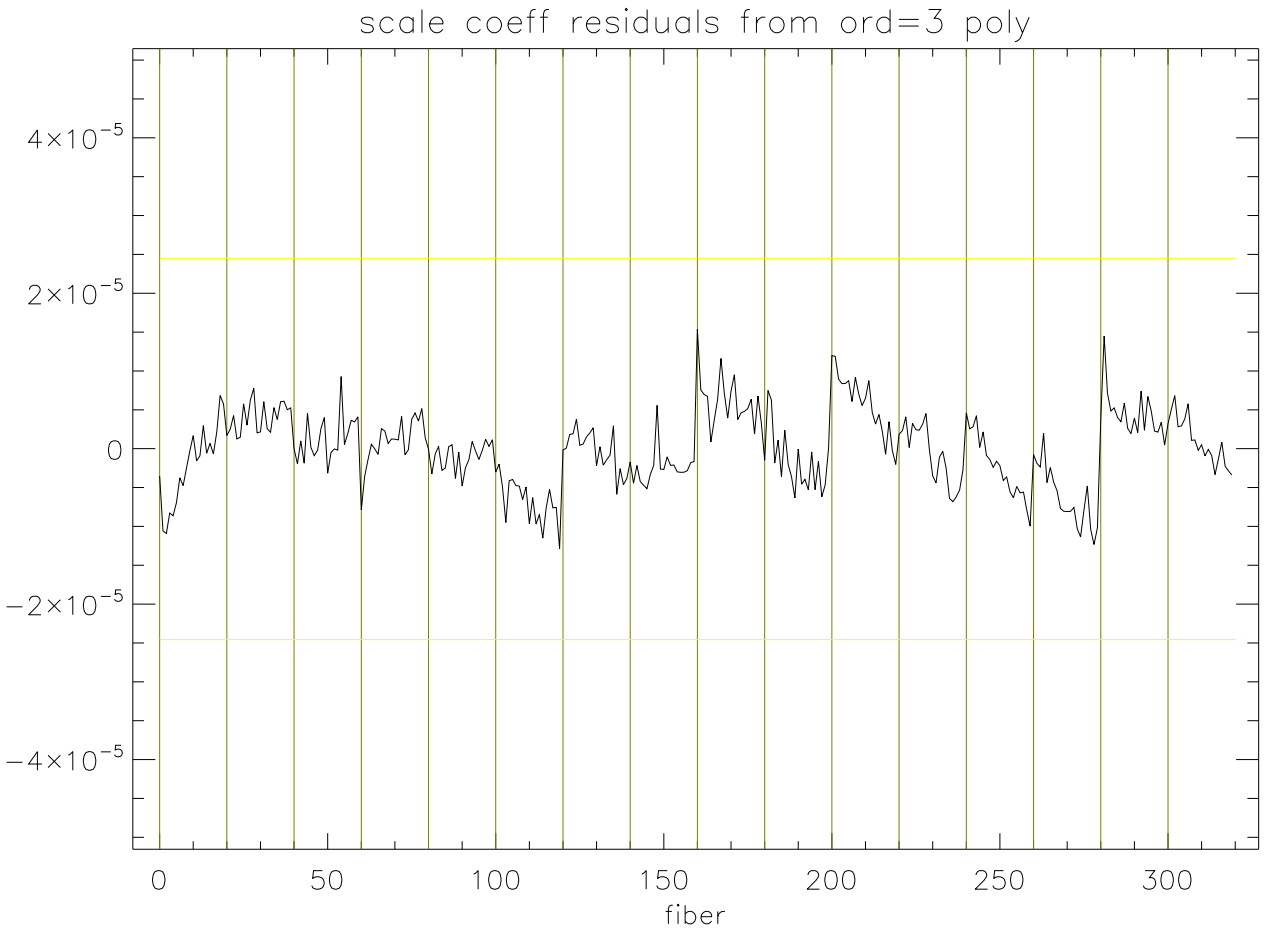

PLATE=0705 MJD=52200 sdR-r1-00011285.fit Skyline Flux at 7343,0
Flux (7343.0)/Airmass
RED = sky fiber
Dispersion = 4.68 %
Fiber number
Flux (7343.0)/Airmass
Focal Distance [mm]
Flux (7343.0)/Airmass
Airmass

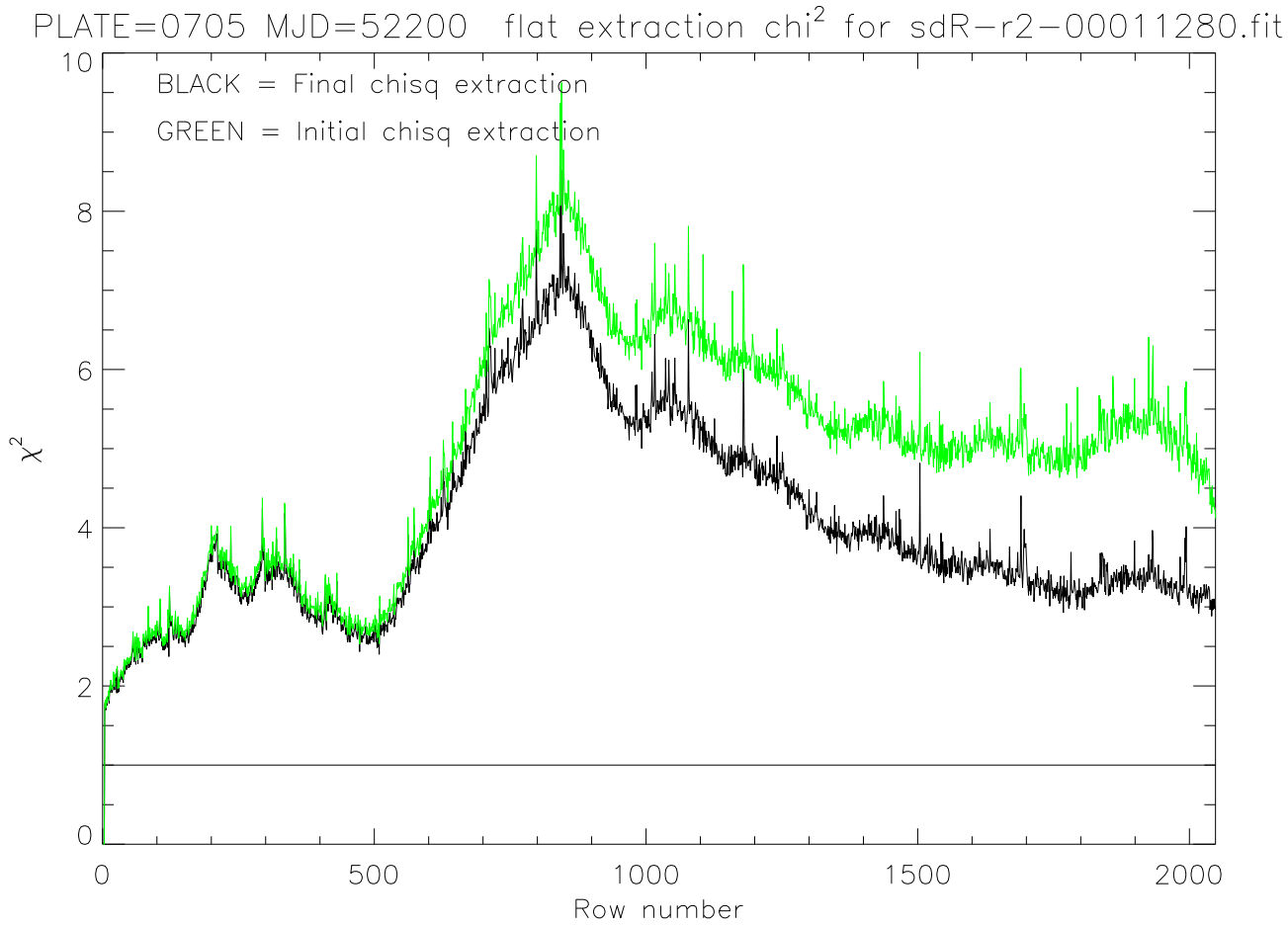

PLATE=0705 MJD=52200 sdR-r1-00011285.fit Skyline Flux at 8888.3
Flux (8888.3)/Airmass
RED = sky fiber
Dispersion = 3.75 %
Fiber number
Flux (8888.3)/Airmass
Focal Distance [mm]
Flux (8888.3)/Airmass
Airmass

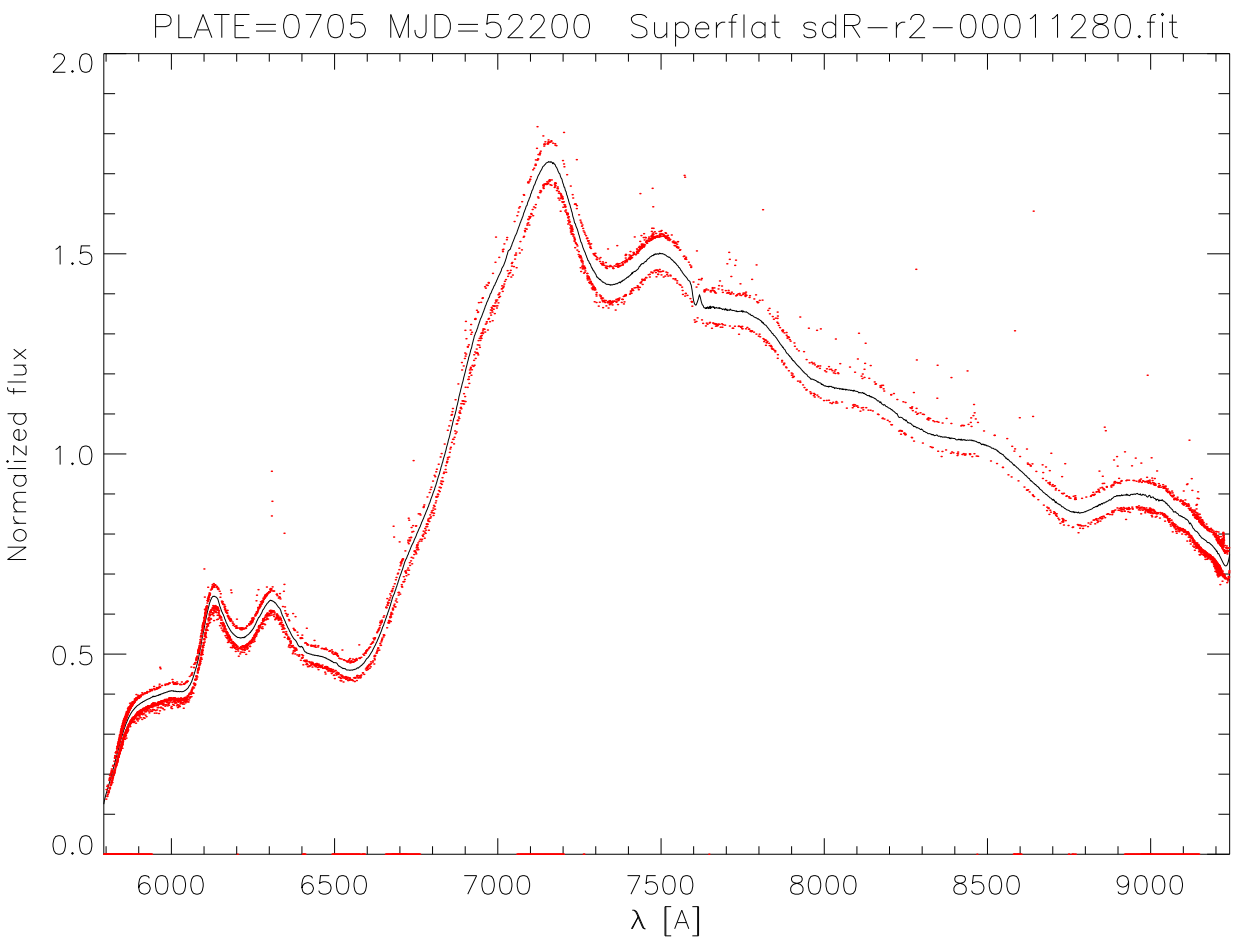

offset coeff residuals from ord=3 poly
1.5×10⁻⁴
1.0×10⁻⁴
5.0×10⁻⁵
0
−5.0×10⁻⁵
−1.0×10⁻⁴
−1.5×10⁻⁴
0
50
100
150
200
250
300
fiber

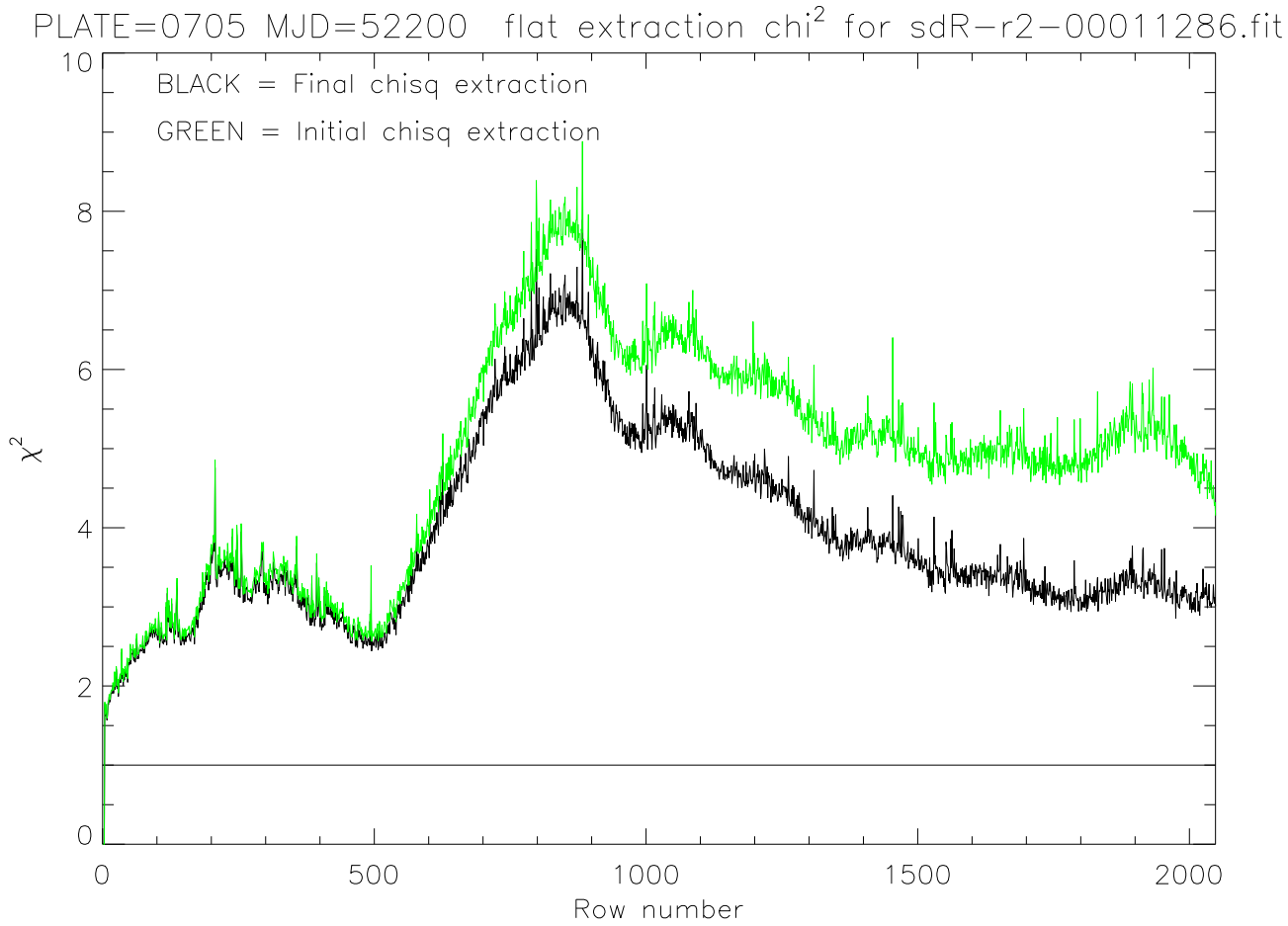

scale coeff residuals from ord=3 poly
4×10⁻⁵
2×10⁻⁵
0
−2×10⁻⁵
−4×10⁻⁵
0
50
100
150
200
250
300
fiber

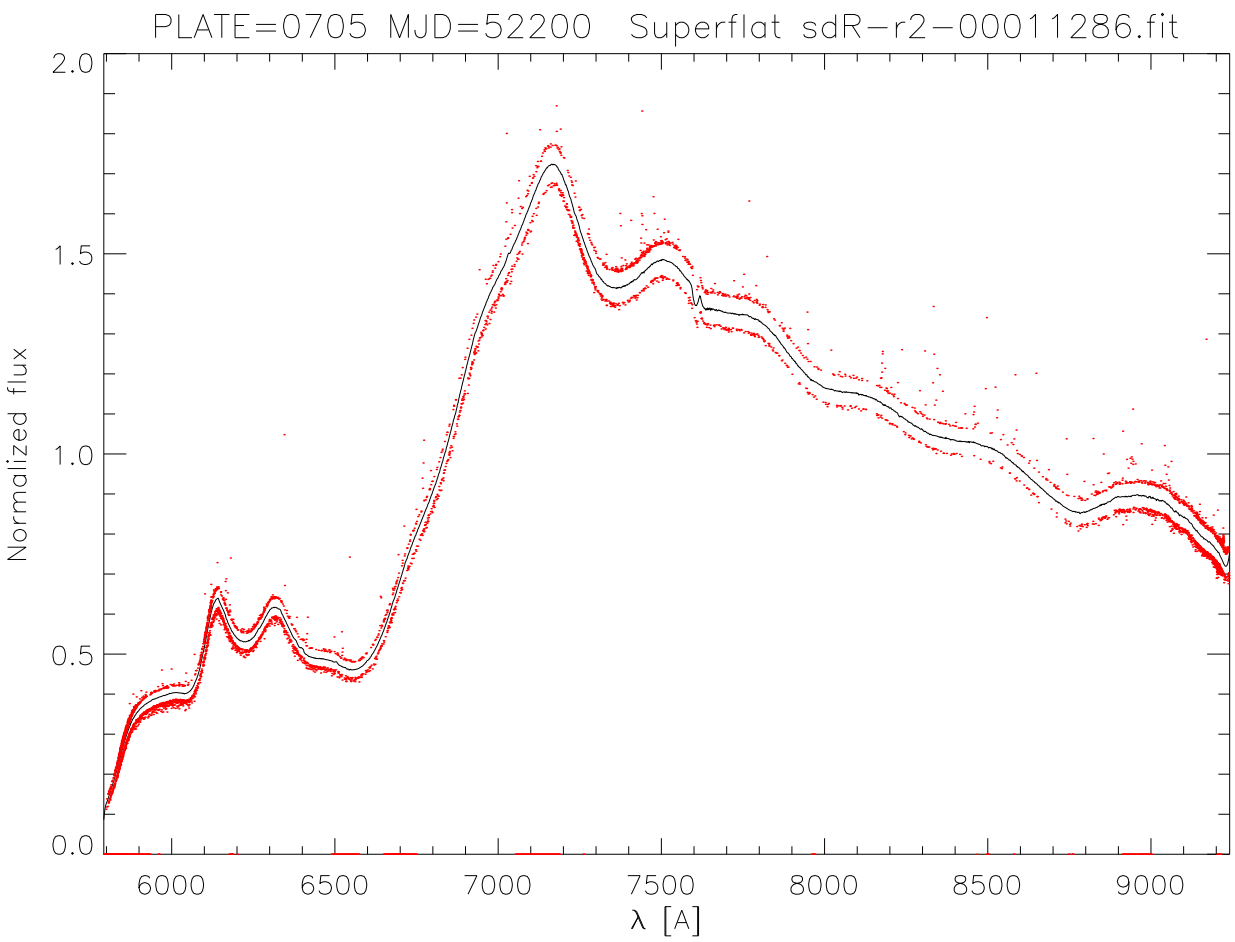

offset coeff residuals from ord=3 poly
1.5×10⁻⁴
1.0×10⁻⁴
5.0×10⁻⁵
0
−5.0×10⁻⁵
−1.0×10⁻⁴
−1.5×10⁻⁴
0
50
100
150
200
250
300
fiber

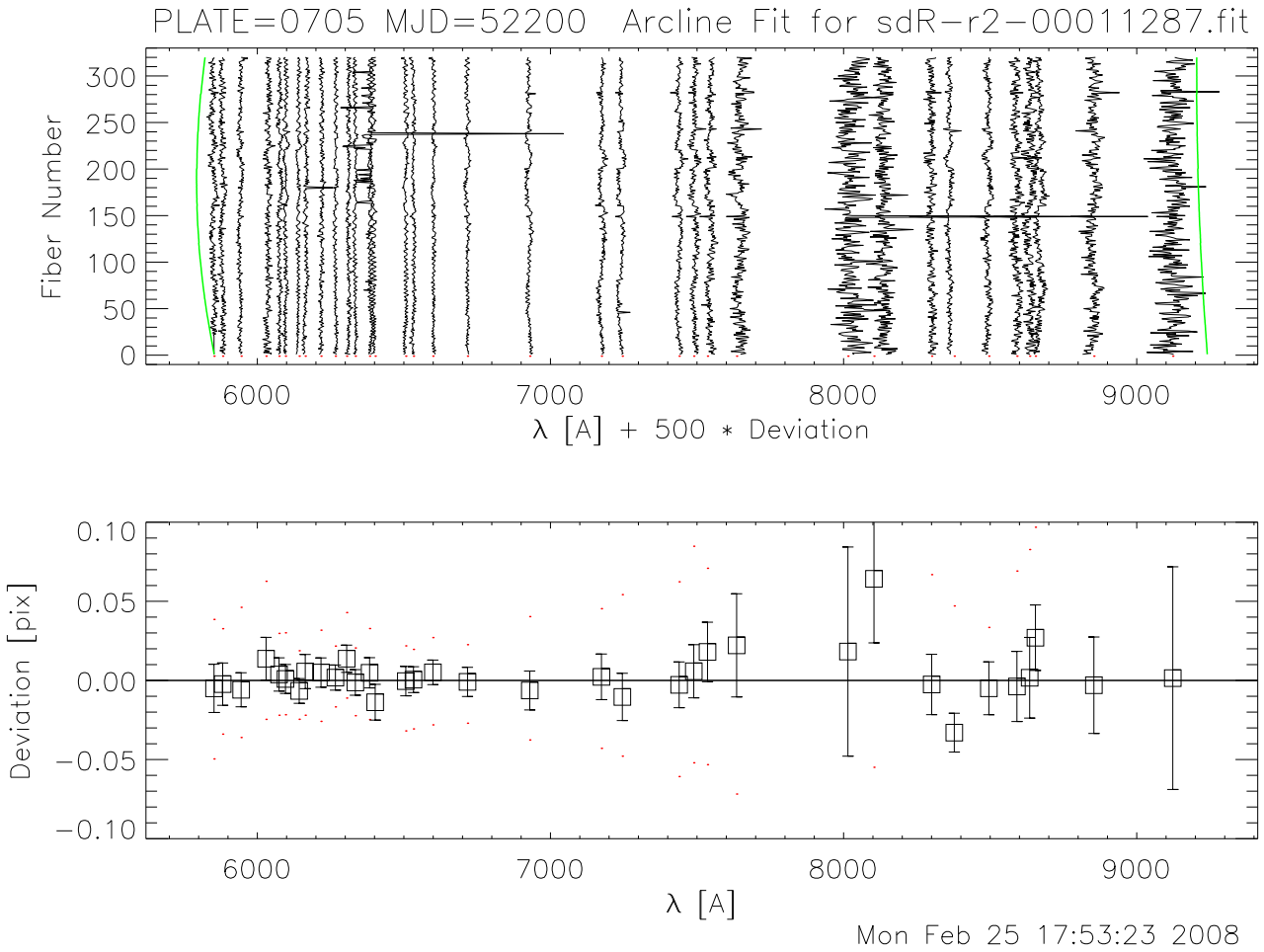

scale coeff residuals from ord=3 poly
4×10^-5
2×10^-5
0
−2×10^-5
−4×10^-5
0
50
100
150
200
250
300
fiber

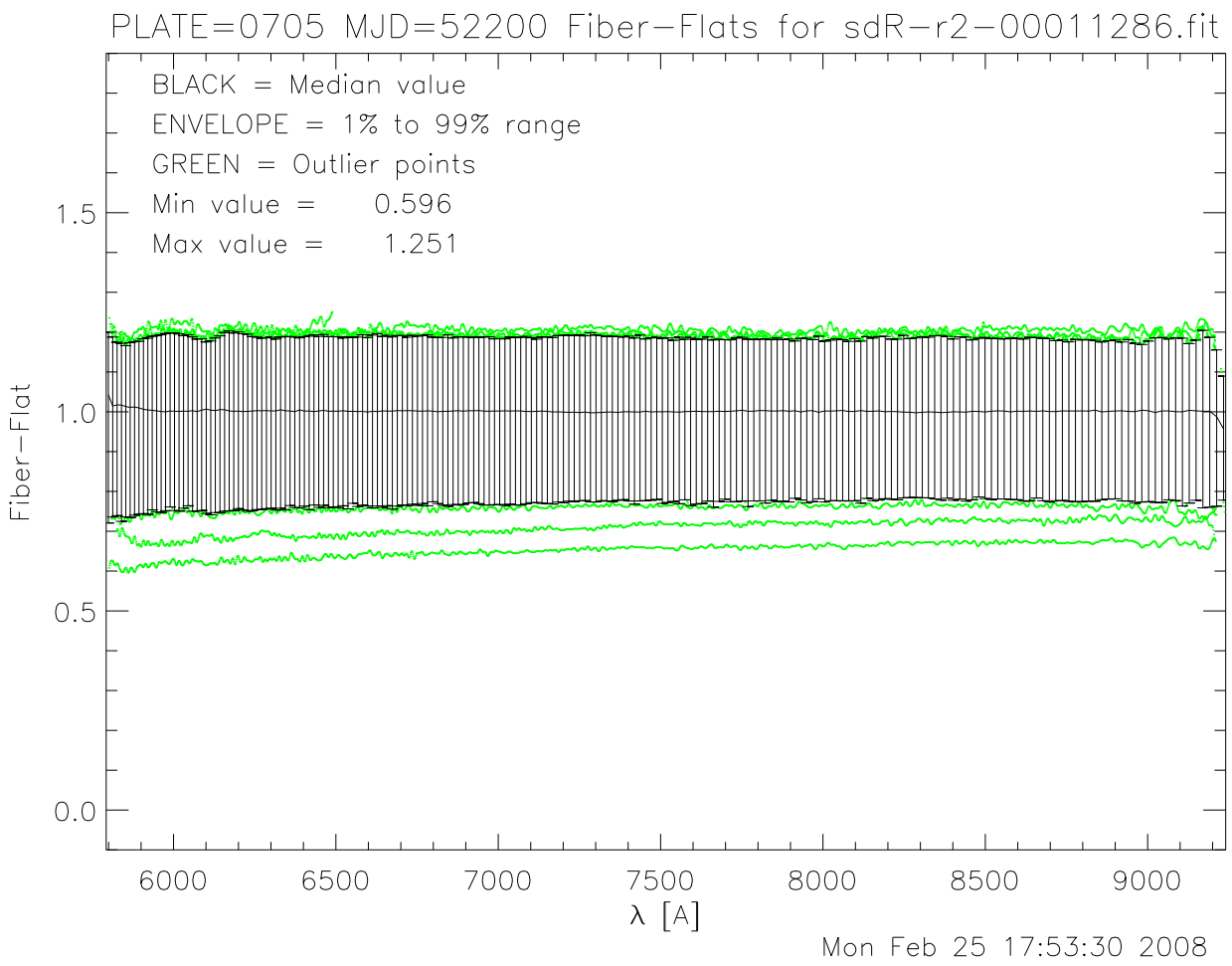

PLATE=0705 MJD=52200 flat extraction chi$^2$ for sdR−r2−00011280.fit
BLACK = Final chisq extraction
GREEN = Initial chisq extraction
$\chi^2$
Row number
0
2
4
6
8
10
0
500
1000
1500
2000

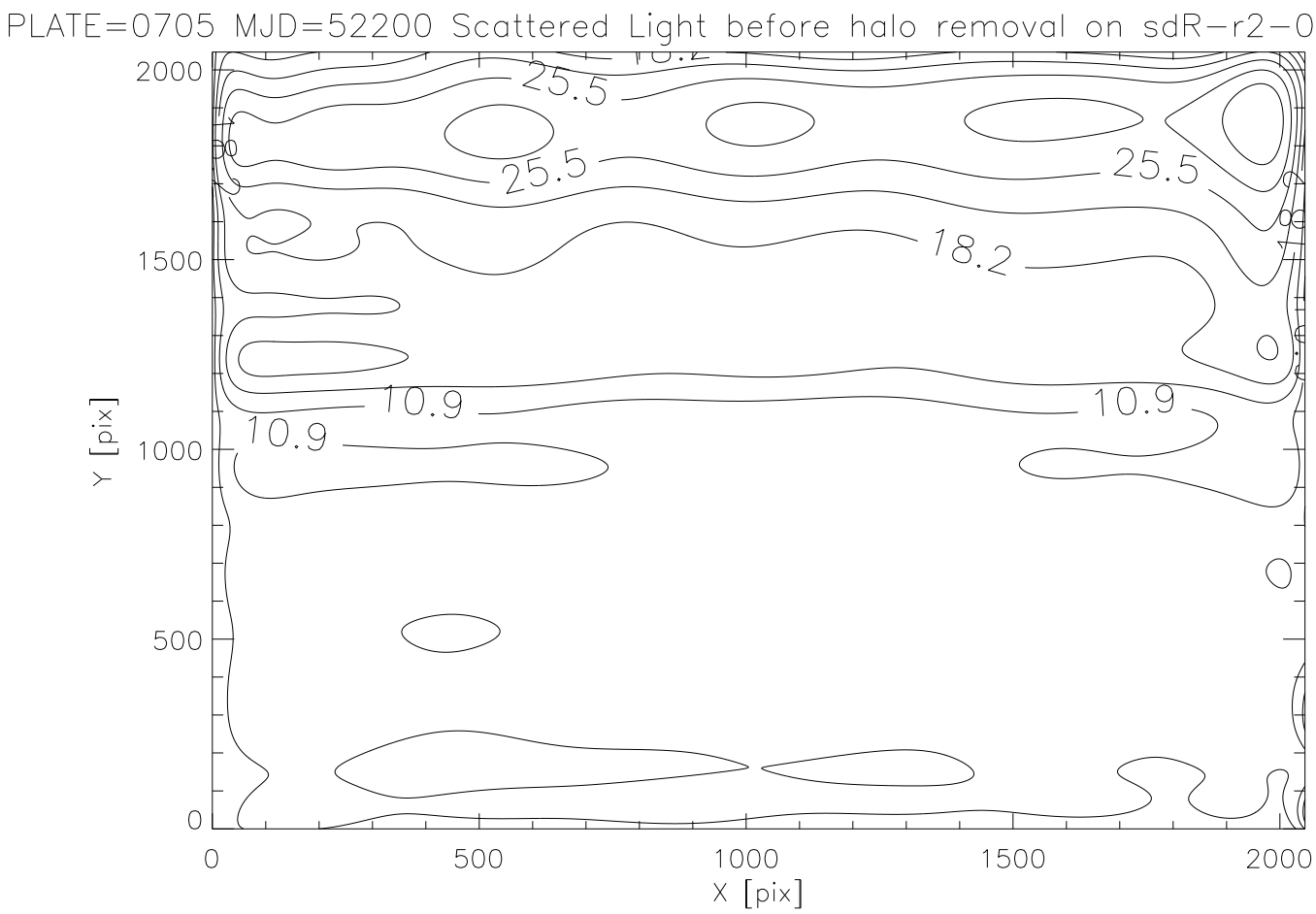

PLATE=0705 MJD=52200 Superflat sdR-r2-00011280.fit
Normalized flux
λ [A]
0.0
0.5
1.0
1.5
2.0
6000
6500
7000
7500
8000
8500
9000

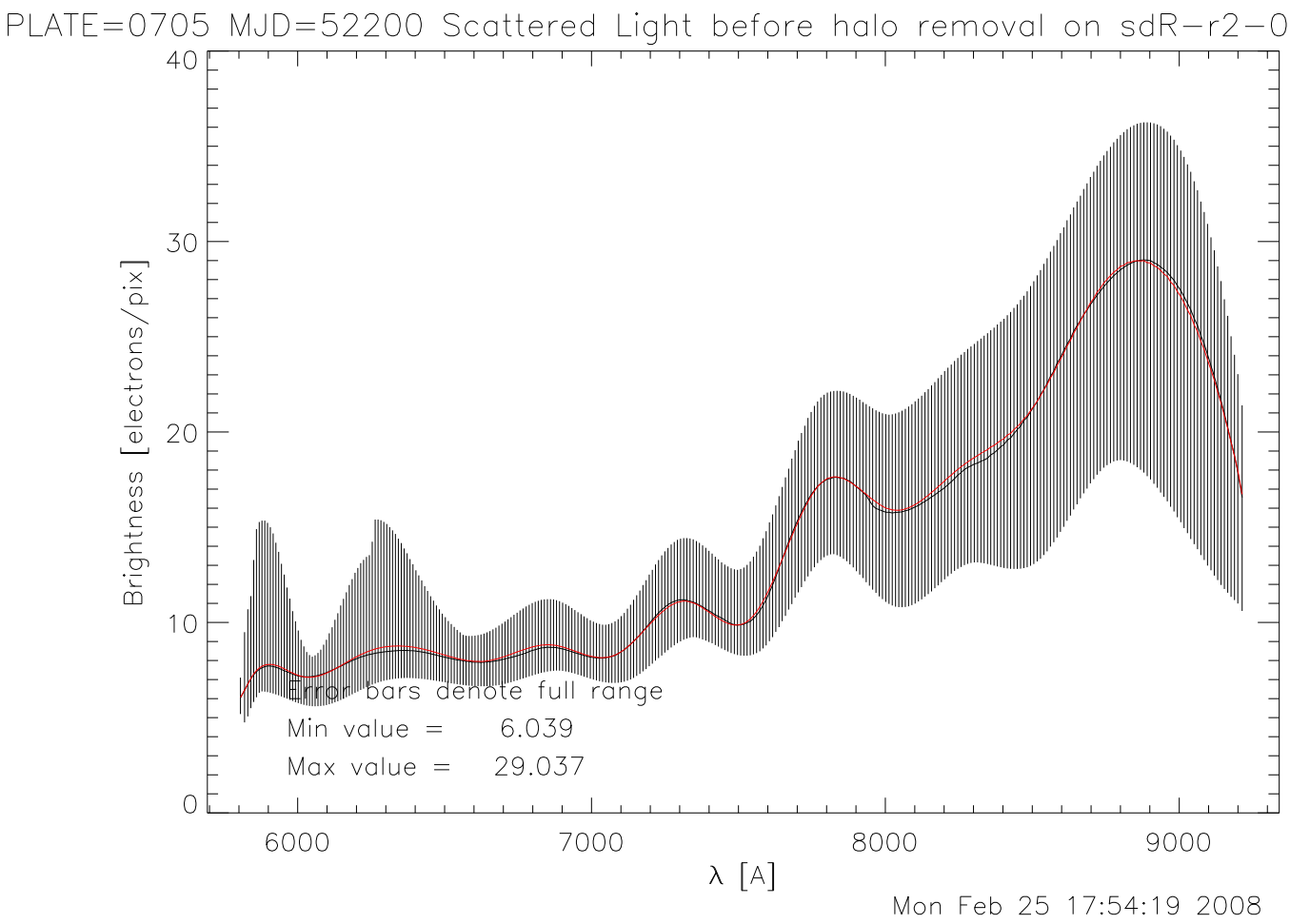

PLATE=0705 MJD=52200 flat extraction chi$^2$ for sdR−r2−00011286.fit
BLACK = Final chisq extraction
GREEN = Initial chisq extraction
$\chi^2$
Row number
0
2
4
6
8
10
0
500
1000
1500
2000

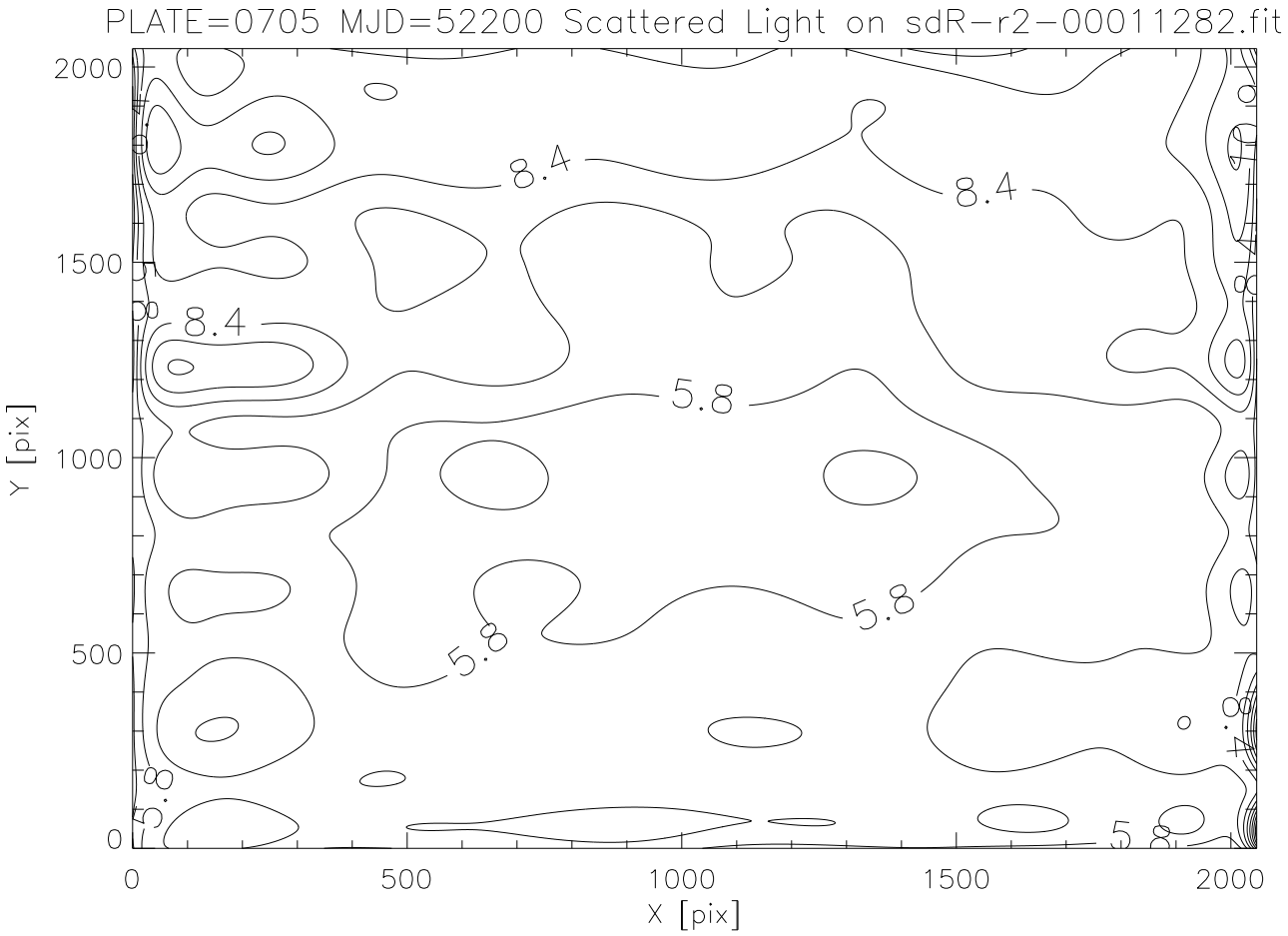

PLATE=0705 MJD=52200 Superflat sdR-r2-00011286.fit
Normalized flux
2.0
1.5
1.0
0.5
0.0
6000
6500
7000
7500
8000
8500
9000
λ [A]

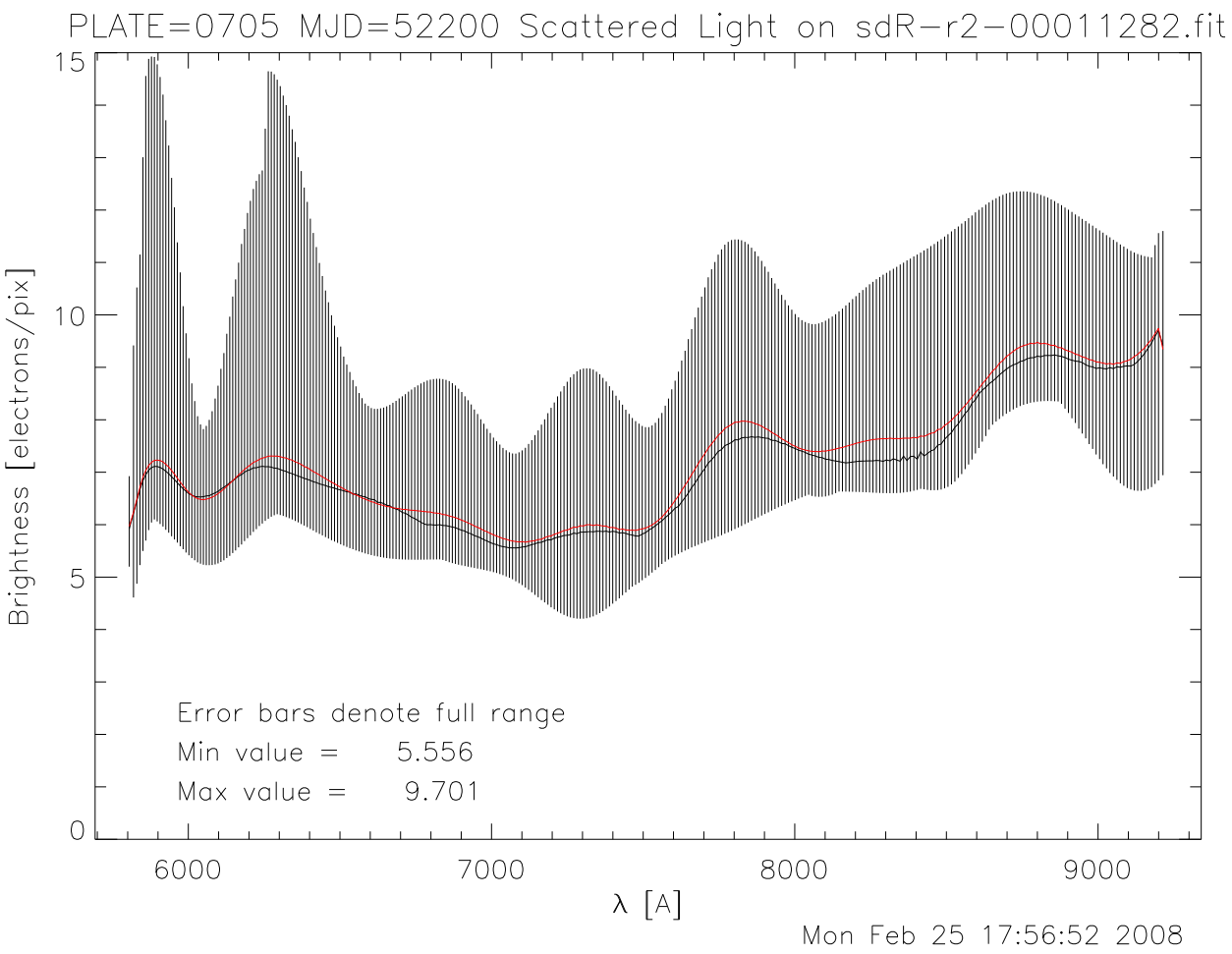

PLATE=0705 MJD=52200 Arcline Fit for sdR-r2-00011287.fit
Fiber Number
300
250
200
150
100
50
0
6000
7000
8000
9000
λ [A] + 500 * Deviation
Deviation [pix]
0.10
0.05
0.00
−0.05
−0.10
6000
7000
8000
9000
λ [A]
Mon Feb 25 17:53:23 2008

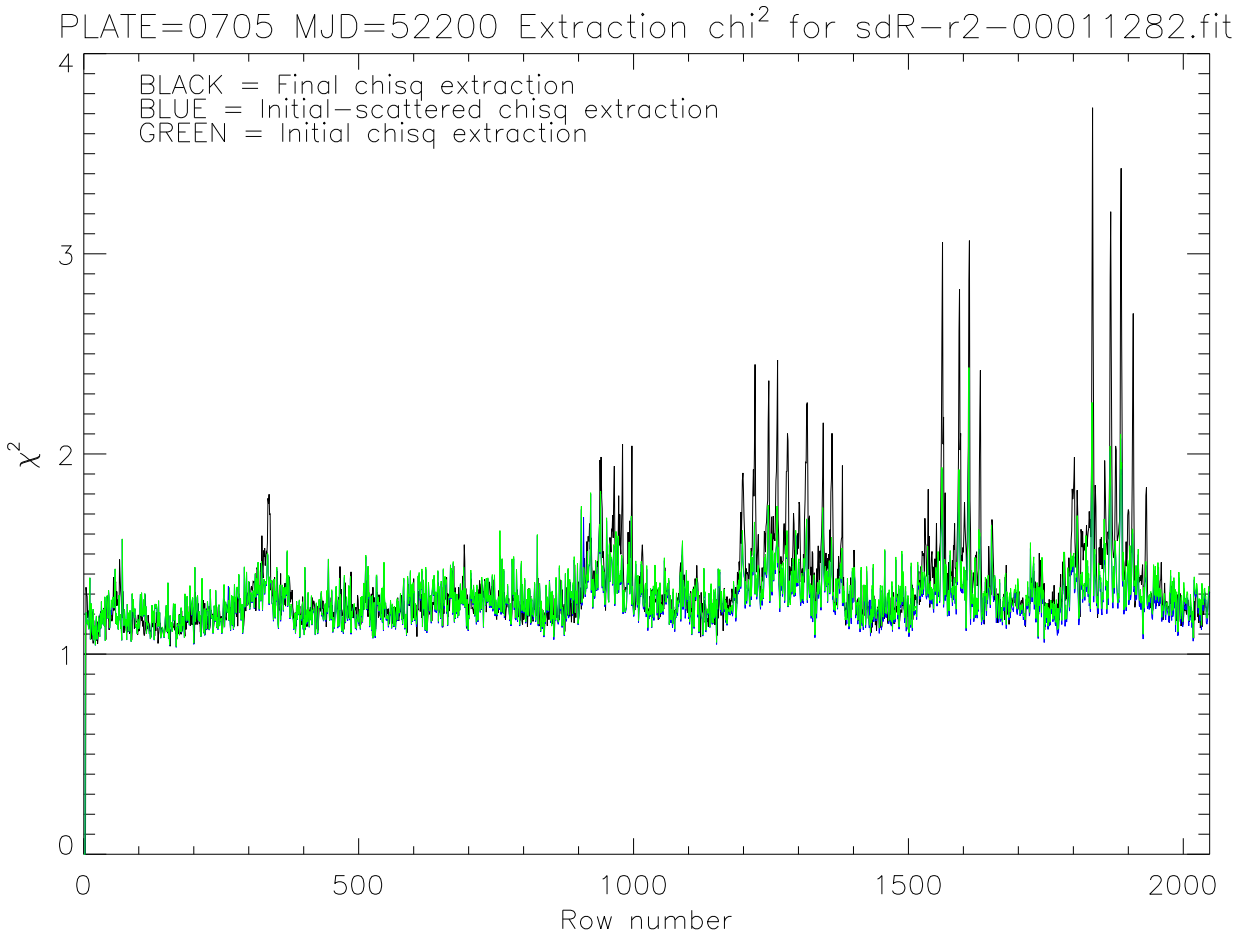

PLATE=0705 MJD=52200 Fiber−Flats for sdR−r2−00011286.fit
BLACK = Median value
ENVELOPE = 1% to 99% range
GREEN = Outlier points
Min value = 0.596
Max value = 1.251
Fiber−Flat
1.5
1.0
0.5
0.0
6000
6500
7000
7500
8000
8500
9000
λ [A]
Mon Feb 25 17:53:30 2008

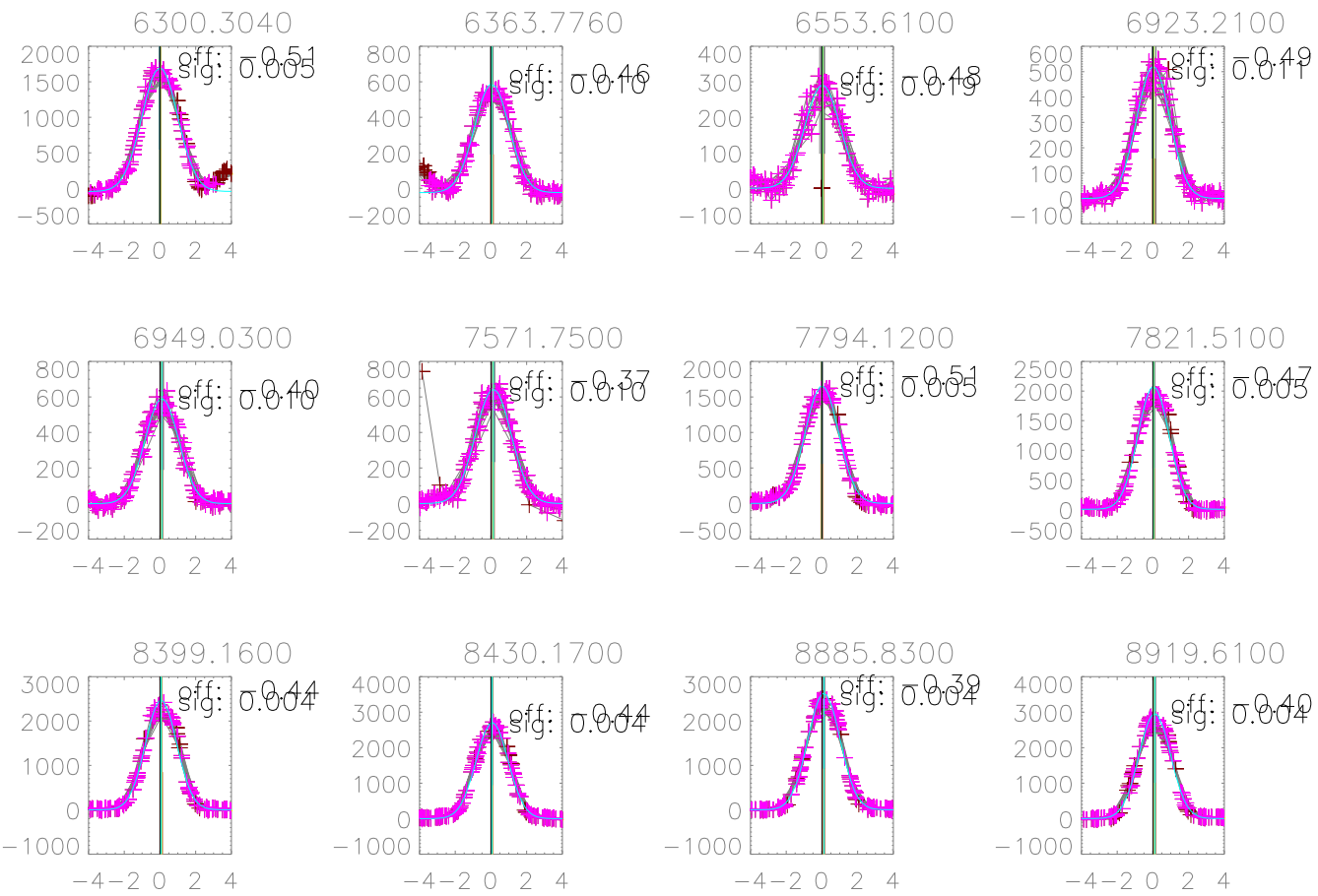

PLATE=0705 MJD=52200 Scattered Light before halo removal on sdR-r2-00011282.fi
25.5
25.5
25.5
18.2
10.9
10.9
10.9
Y [pix]
X [pix]
0
500
1000
1500
2000

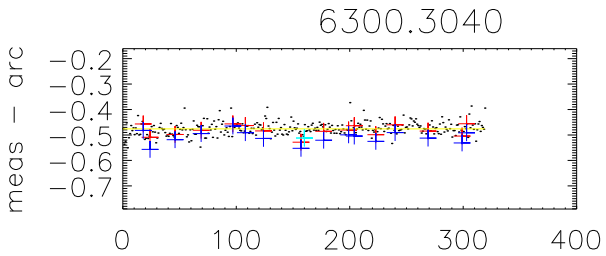

PLATE=0705 MJD=52200 Scattered Light before halo removal on sdR-r2-00011282.fi
Brightness [electrons/pix]
λ [A]
Error bars denote full range
Min value = 6.039
Max value = 29.037
Mon Feb 25 17:54:19 2008

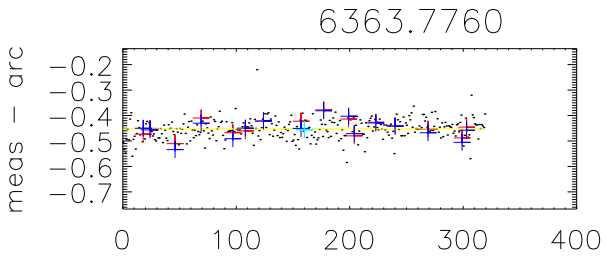

PLATE=0705 MJD=52200 Scattered Light on sdR-r2-00011282.fit
8.4
8.4
8.4
5.8
5.8
5.8
5.8
5.8
5.8
Y [pix]
X [pix]
0
500
1000
1500
2000

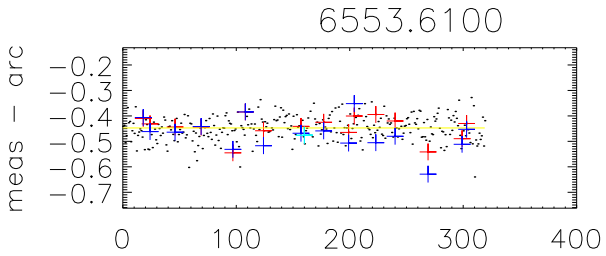

PLATE=0705 MJD=52200 Scattered Light on sdR-r2-00011282.fit
Brightness [electrons/pix]
15
10
5
0
6000
7000
8000
9000
λ [A]
Error bars denote full range
Min value = 5.556
Max value = 9.701
Mon Feb 25 17:56:52 2008

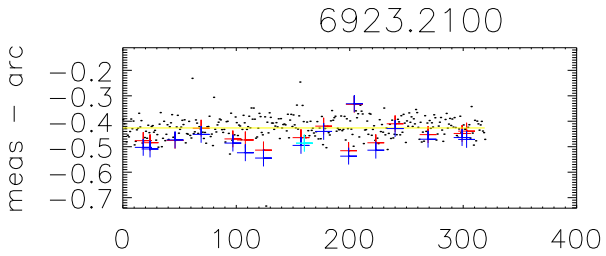

PLATE=0705 MJD=52200 Extraction chi$^2$ for sdR−r2−00011282.fit
BLACK = Final chisq extraction
BLUE = Initial−scattered chisq extraction
GREEN = Initial chisq extraction
$\chi^2$
0
1
2
3
4
0
500
1000
1500
2000
Row number

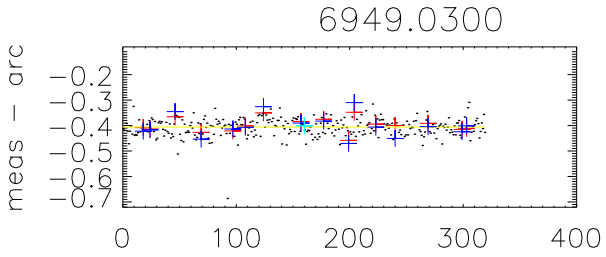

6300.3040
off: −0.51
sig: 0.005
6363.7760
off: −0.46
sig: 0.010
6553.6100
off: −0.48
sig: 0.019
6923.2100
off: −0.49
sig: 0.011
6949.0300
off: −0.40
sig: 0.010
7571.7500
off: −0.37
sig: 0.010
7794.1200
off: −0.51
sig: 0.005
7821.5100
off: −0.47
sig: 0.005
8399.1600
off: −0.44
sig: 0.004
8430.1700
off: −0.44
sig: 0.004
8885.8300
off: −0.39
sig: 0.004
8919.6100
off: −0.40
sig: 0.004

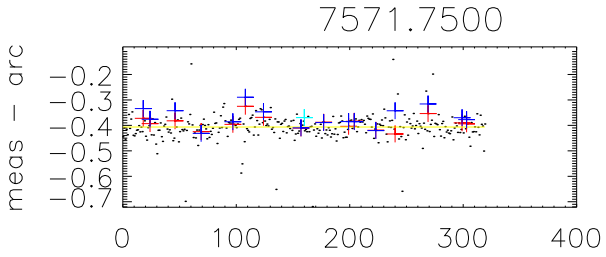

6300.3040
meas − arc
−0.2
−0.3
−0.4
−0.5
−0.6
−0.7
0
100
200
300
400

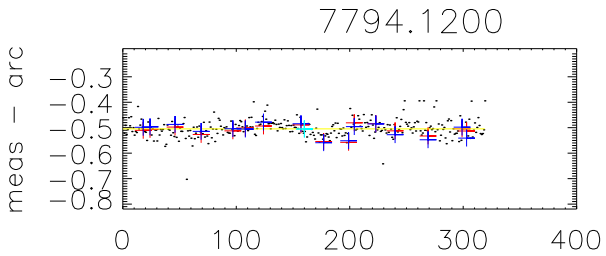

6363.7760
meas − arc
−0.2
−0.3
−0.4
−0.5
−0.6
−0.7
0
100
200
300
400

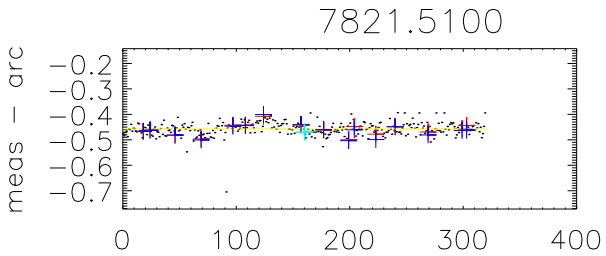

6553.6100
meas − arc
−0.2
−0.3
−0.4
−0.5
−0.6
−0.7
0
100
200
300
400

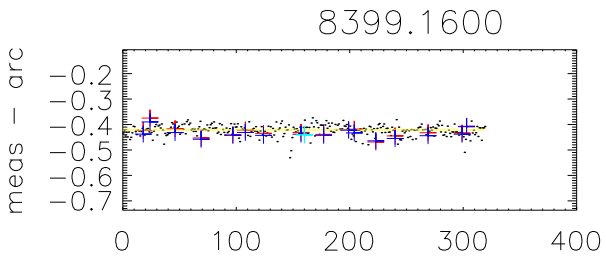

6923.2100
meas − arc
−0.2
−0.3
−0.4
−0.5
−0.6
−0.7
0
100
200
300
400

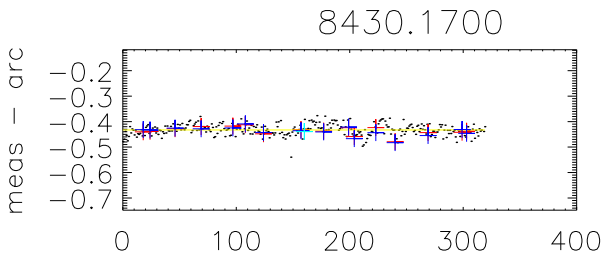

6949.0300
meas − arc
−0.2
−0.3
−0.4
−0.5
−0.6
−0.7
0
100
200
300
400

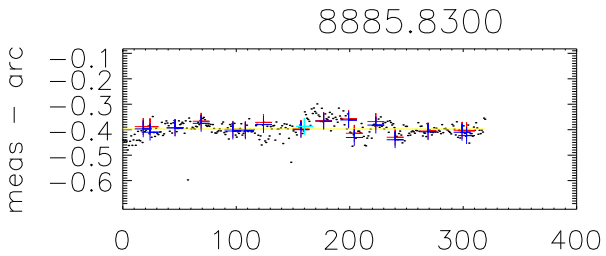

7571.7500
meas − arc
−0.2
−0.3
−0.4
−0.5
−0.6
−0.7
0
100
200
300
400

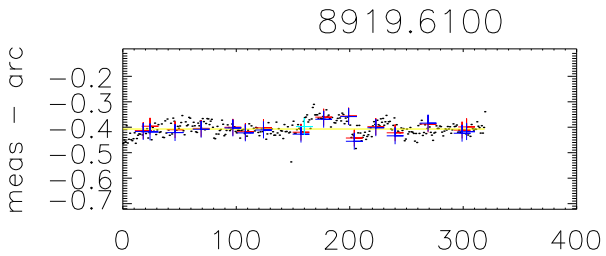

7794.1200
meas − arc
−0.3
−0.4
−0.5
−0.6
−0.7
−0.8
0
100
200
300
400

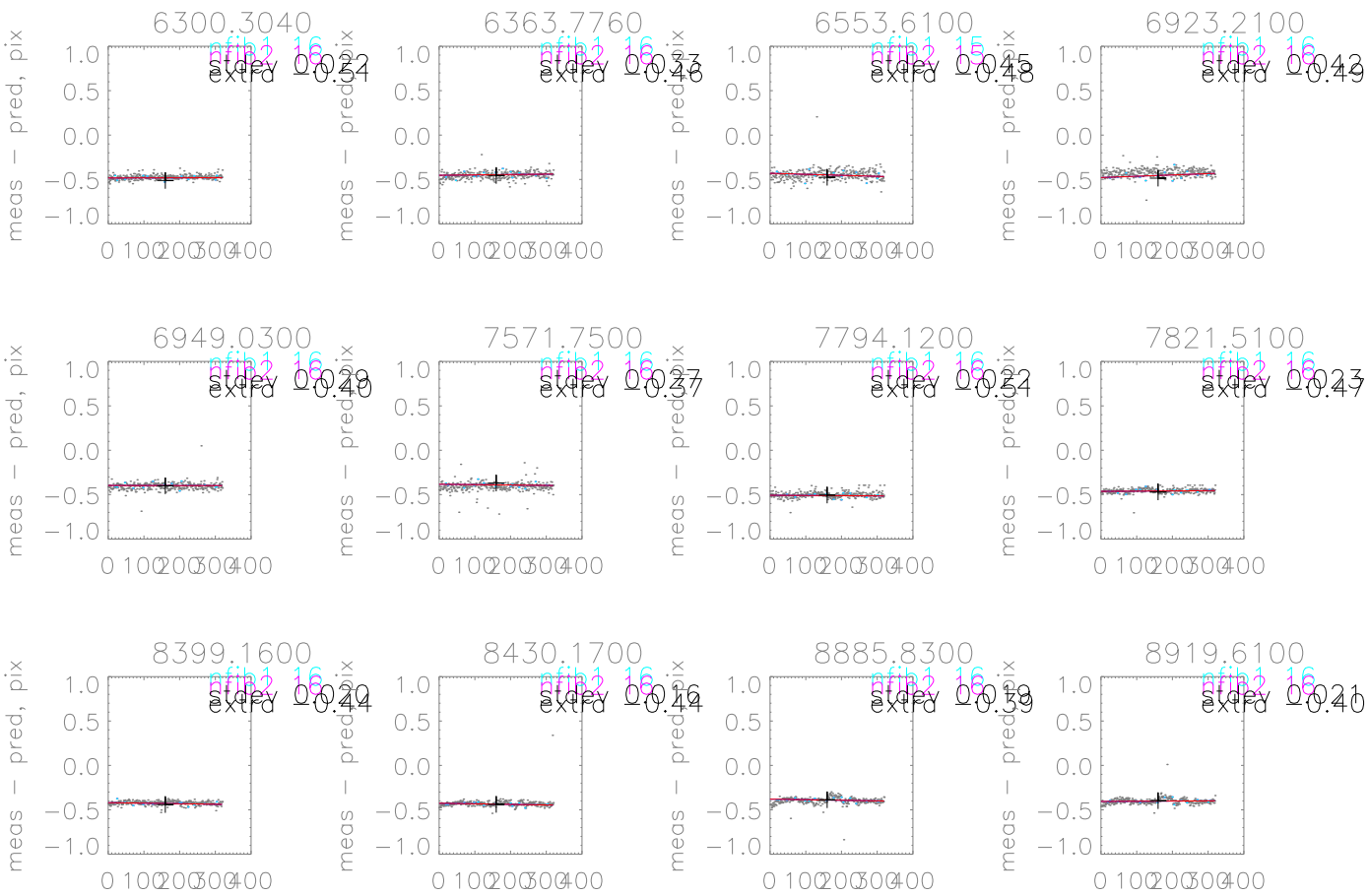

7821.5100
meas − arc
−0.2
−0.3
−0.4
−0.5
−0.6
−0.7
0
100
200
300
400

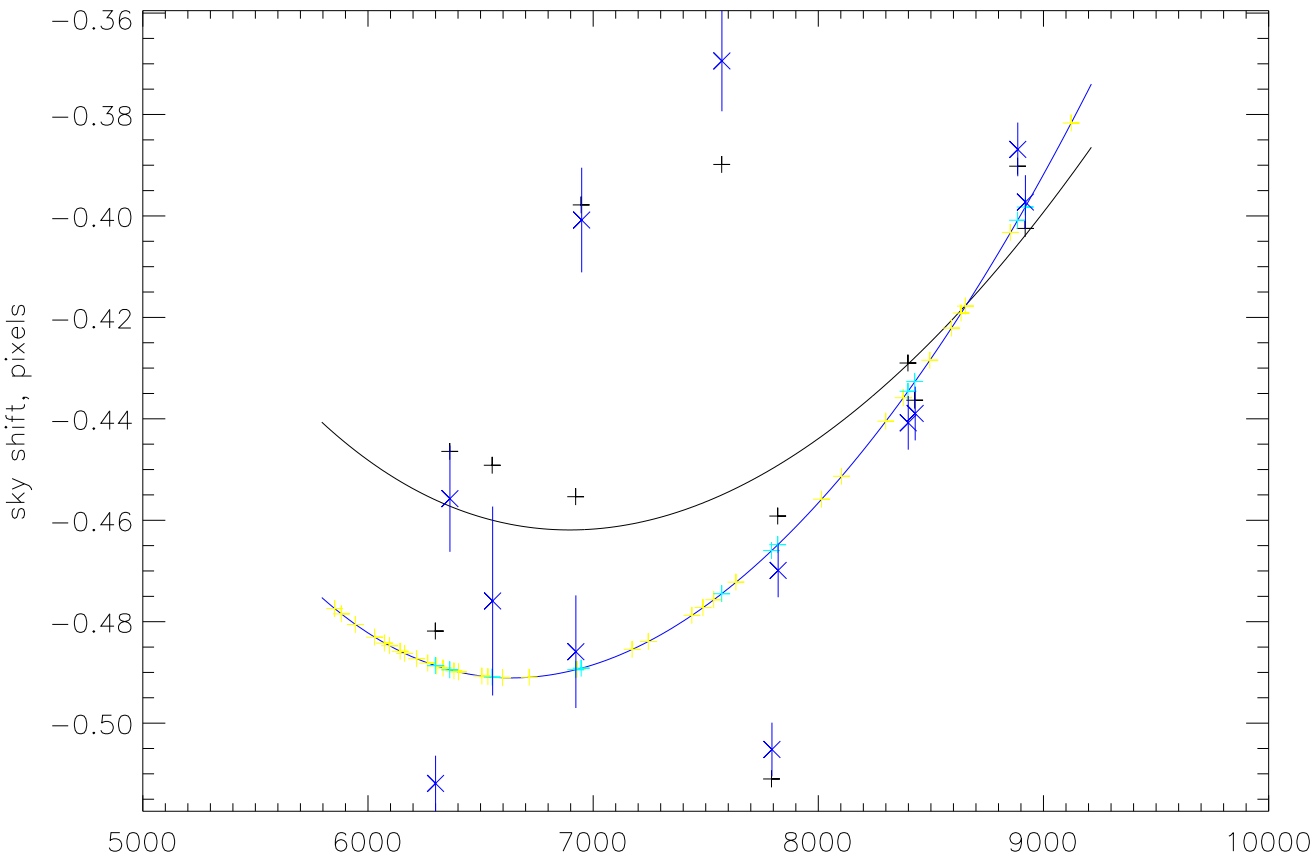

8399.1600
meas − arc
−0.2
−0.3
−0.4
−0.5
−0.6
−0.7
0
100
200
300
400

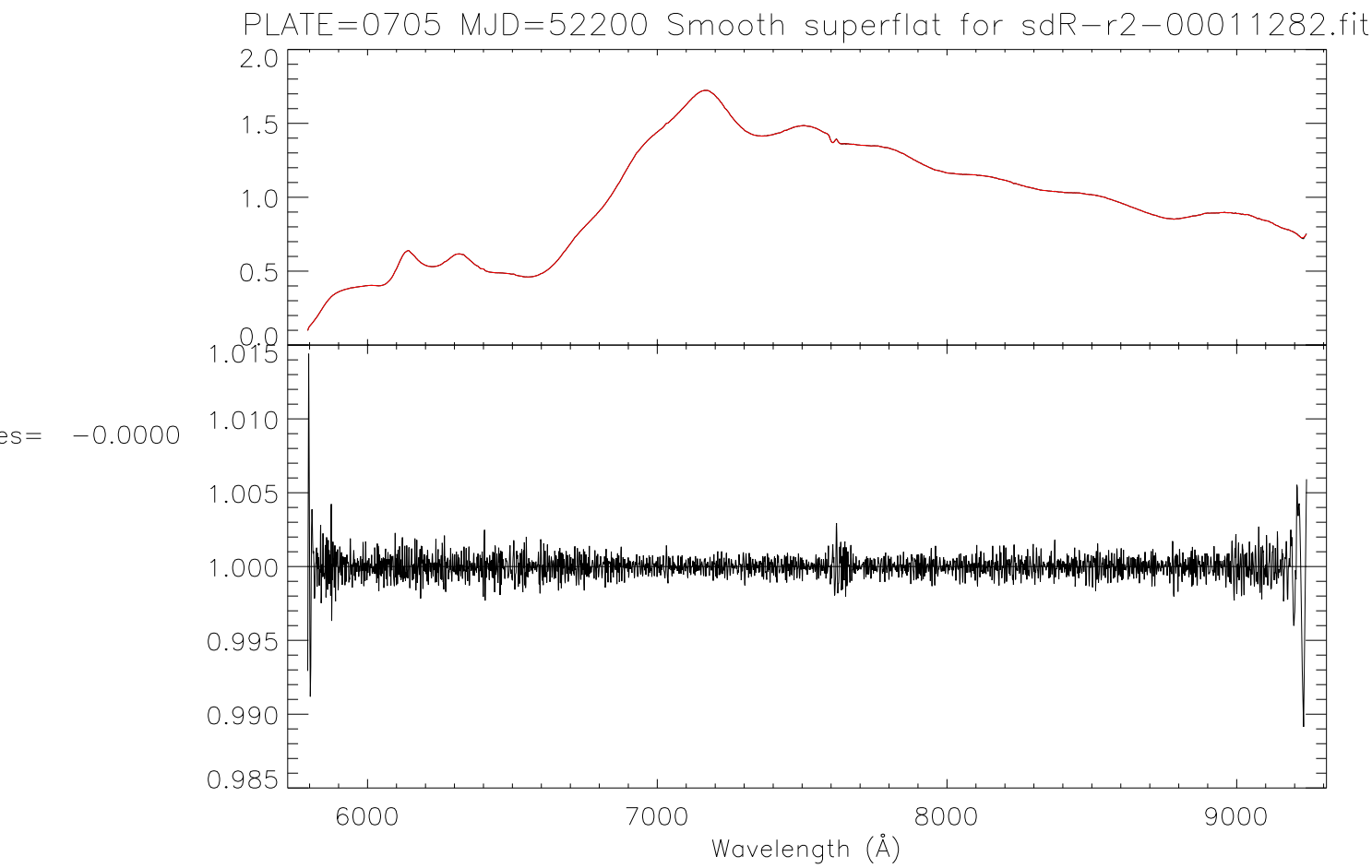

8430.1700
meas − arc
−0.2
−0.3
−0.4
−0.5
−0.6
−0.7
0
100
200
300
400


8885.8300
meas − arc
−0.1
−0.2
−0.3
−0.4
−0.5
−0.6
0
100
200
300
400

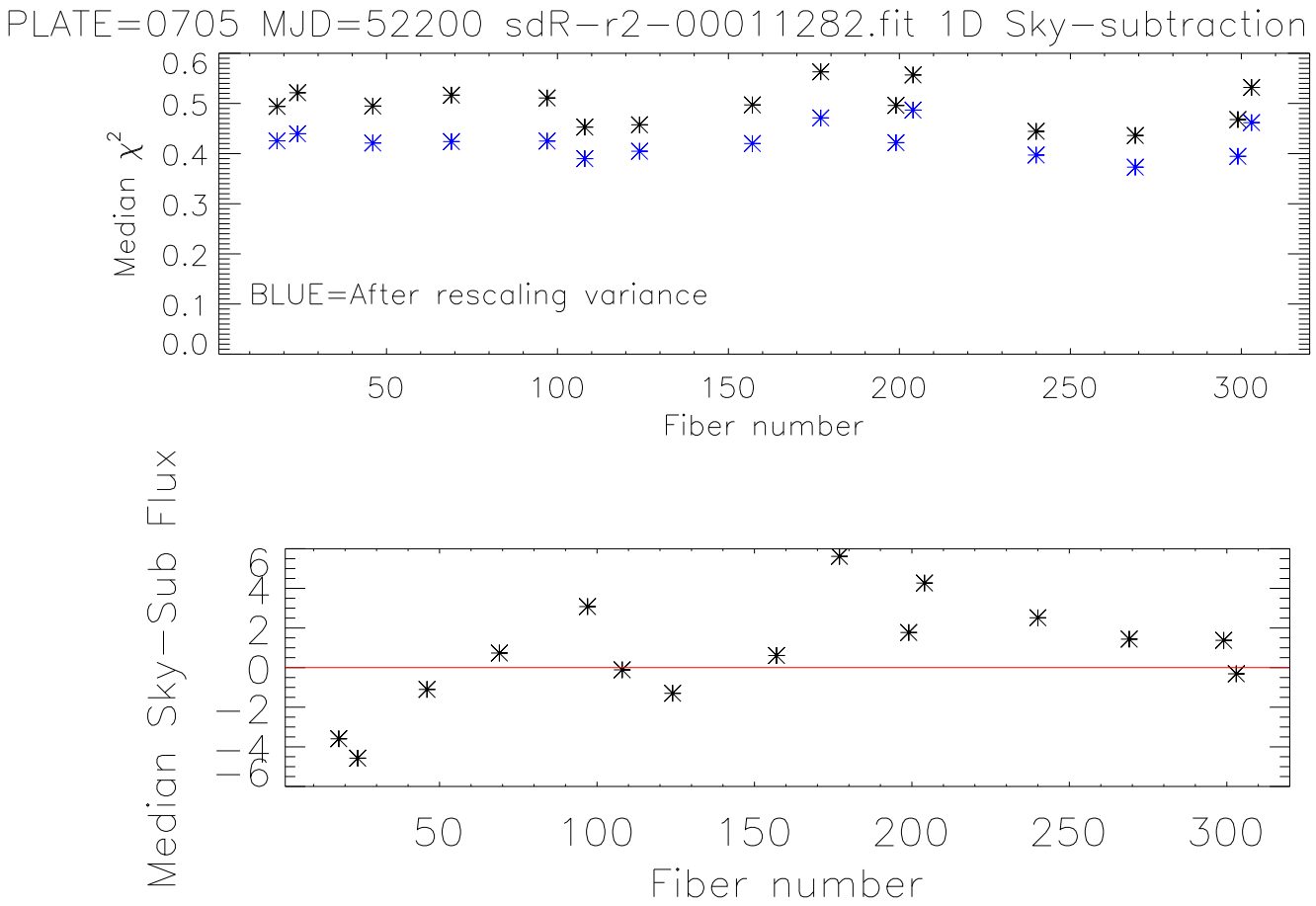

8919.6100
meas − arc
−0.2
−0.3
−0.4
−0.5
−0.6
−0.7
0
100
200
300
400

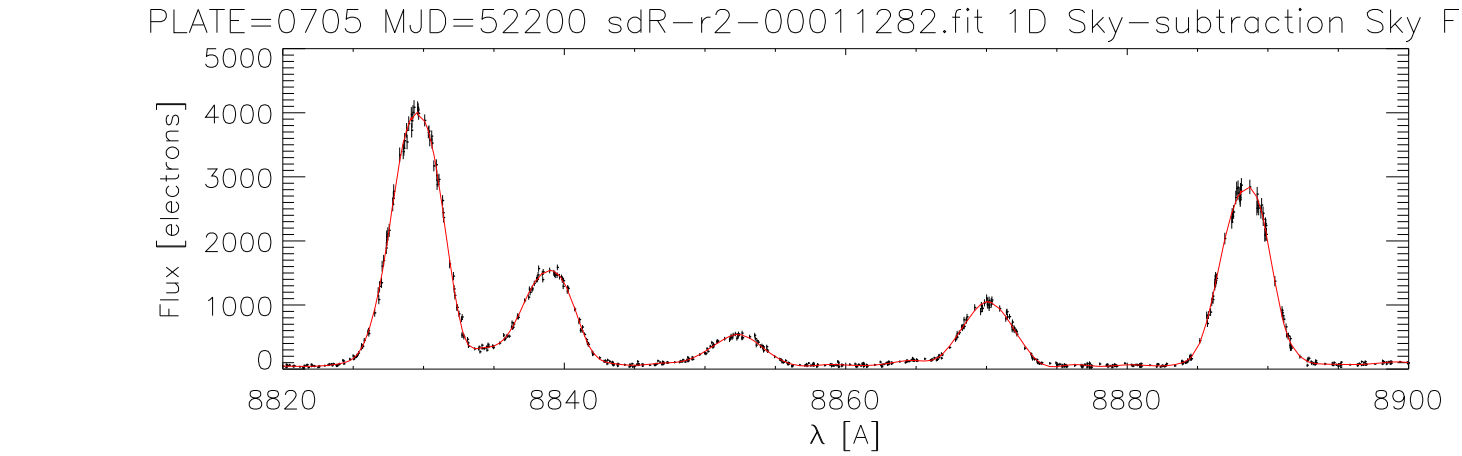

6300.3040
mfhd1 16
mfhd2 16
stdev 0.22
extra 0.54
6363.7760
mfhd1 16
mfhd2 16
stdev 0.23
extra 0.46
6553.6100
mfhd1 15
mfhd2 16
stdev 0.25
extra 0.48
6923.2100
mfhd1 16
mfhd2 16
stdev 0.42
extra 0.49
6949.0300
mfhd1 16
mfhd2 16
stdev 0.29
extra 0.40
7571.7500
mfhd1 16
mfhd2 16
stdev 0.27
extra 0.37
7794.1200
mfhd1 16
mfhd2 16
stdev 0.22
extra 0.54
7821.5100
mfhd1 16
mfhd2 16
stdev 0.23
extra 0.47
8399.1600
mfhd1 16
mfhd2 16
stdev 0.20
extra 0.44
8430.1700
mfhd1 16
mfhd2 16
stdev 0.16
extra 0.44
8885.8300
mfhd1 16
mfhd2 16
stdev 0.19
extra 0.39
8919.6100
mfhd1 16
mfhd2 16
stdev 0.21
extra 0.40
meas − pred, pix
1.0
0.5
0.0
−0.5
−1.0
0 100 200 300 400

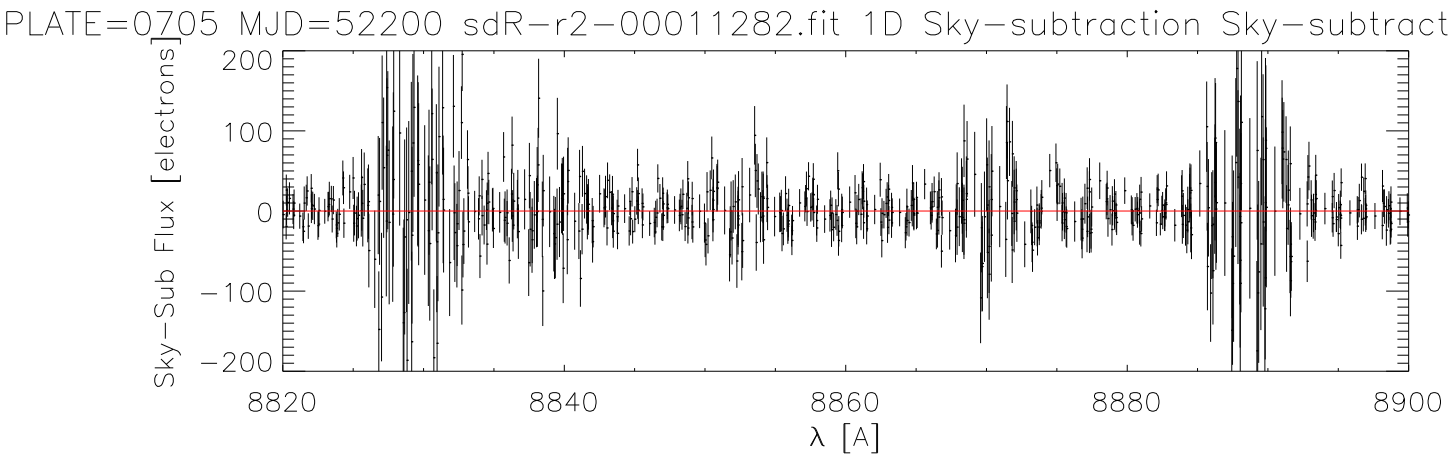

−0.36
−0.38
−0.40
−0.42
−0.44
−0.46
−0.48
−0.50
sky shift, pixels
5000
6000
7000
8000
9000
10000

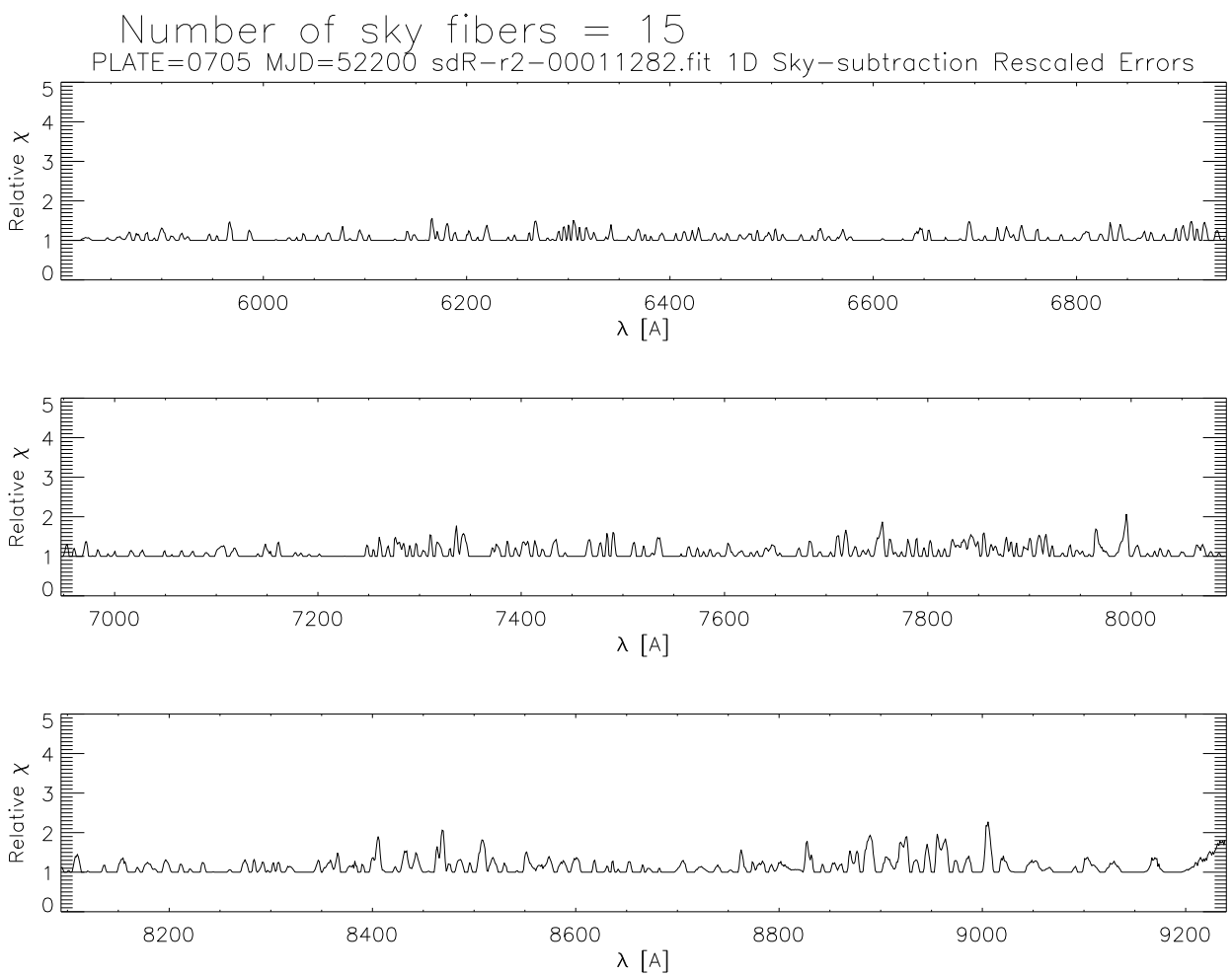

PLATE=0705 MJD=52200 Smooth superflat for sdR-r2-00011282.fit
2.0
1.5
1.0
0.5
0.0
1.015
1.010
1.005
1.000
0.995
0.990
0.985
6000
7000
8000
9000
Wavelength (Å)

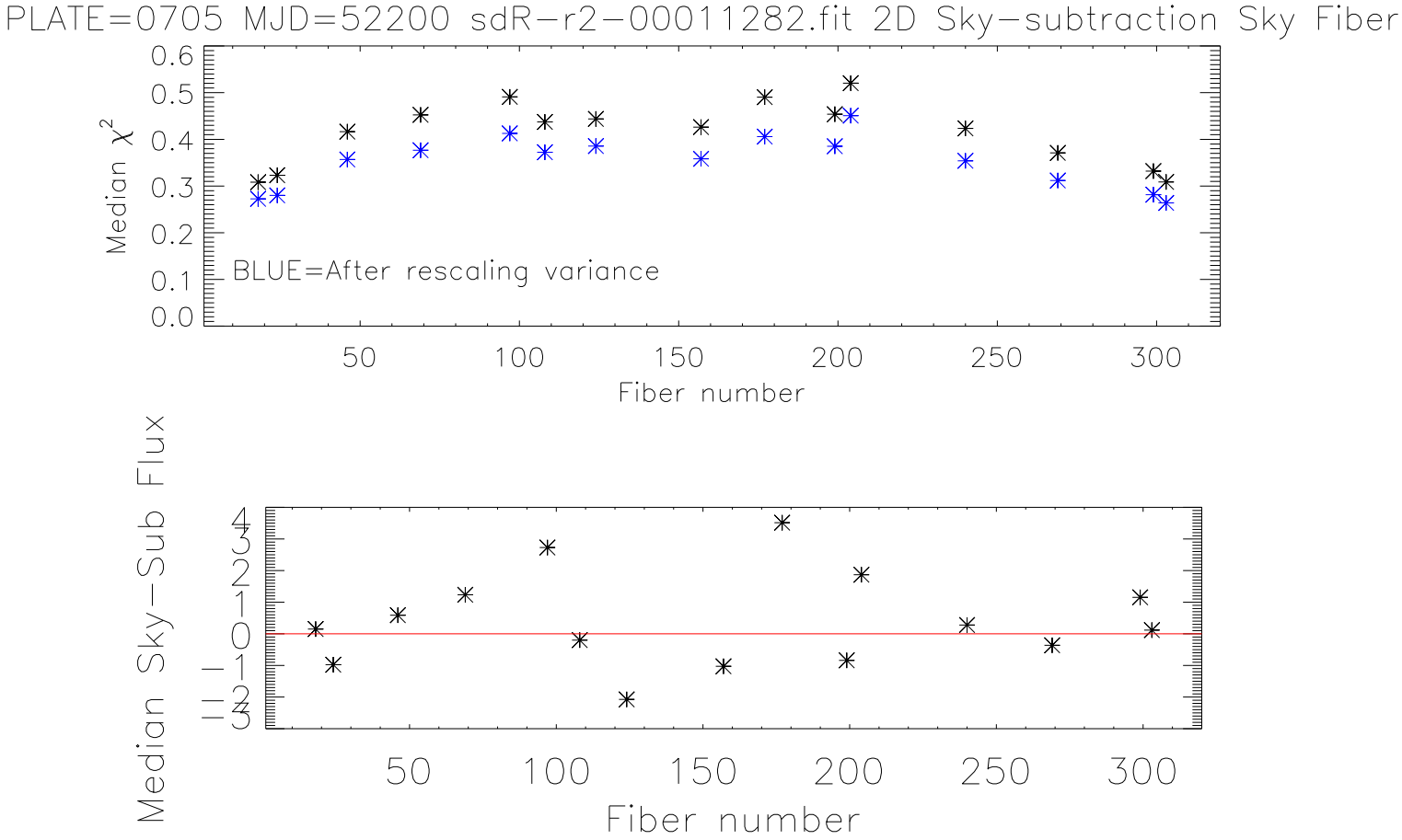
es= −0.0000

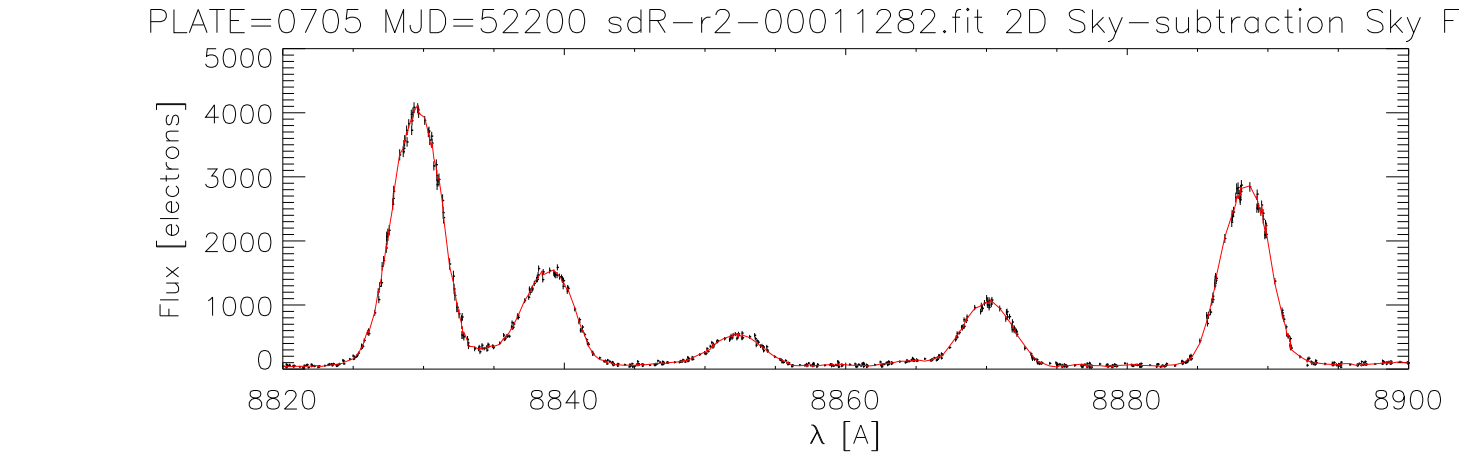

PLATE=0705 MJD=52200 sdR-r2-00011282.fit 1D Sky-subtraction Sky Fibers
Median $\chi^2$
0.0
0.1
0.2
0.3
0.4
0.5
0.6
BLUE=After rescaling variance
50
100
150
200
250
300
Fiber number
Median Sky-Sub Flux
-6
-4
-2
0
2
4
6
50
100
150
200
250
300
Fiber number

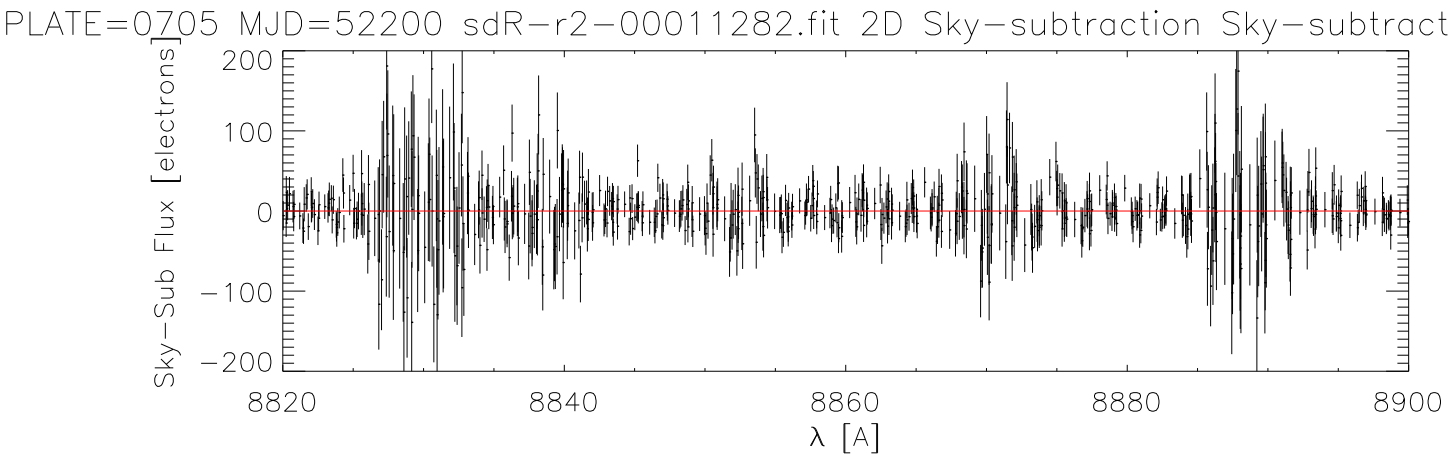

PLATE=0705 MJD=52200 sdR-r2-00011282.fit 1D Sky-subtraction Sky Fibers
Flux [electrons]
5000
4000
3000
2000
1000
0
8820
8840
8860
8880
8900
λ [A]

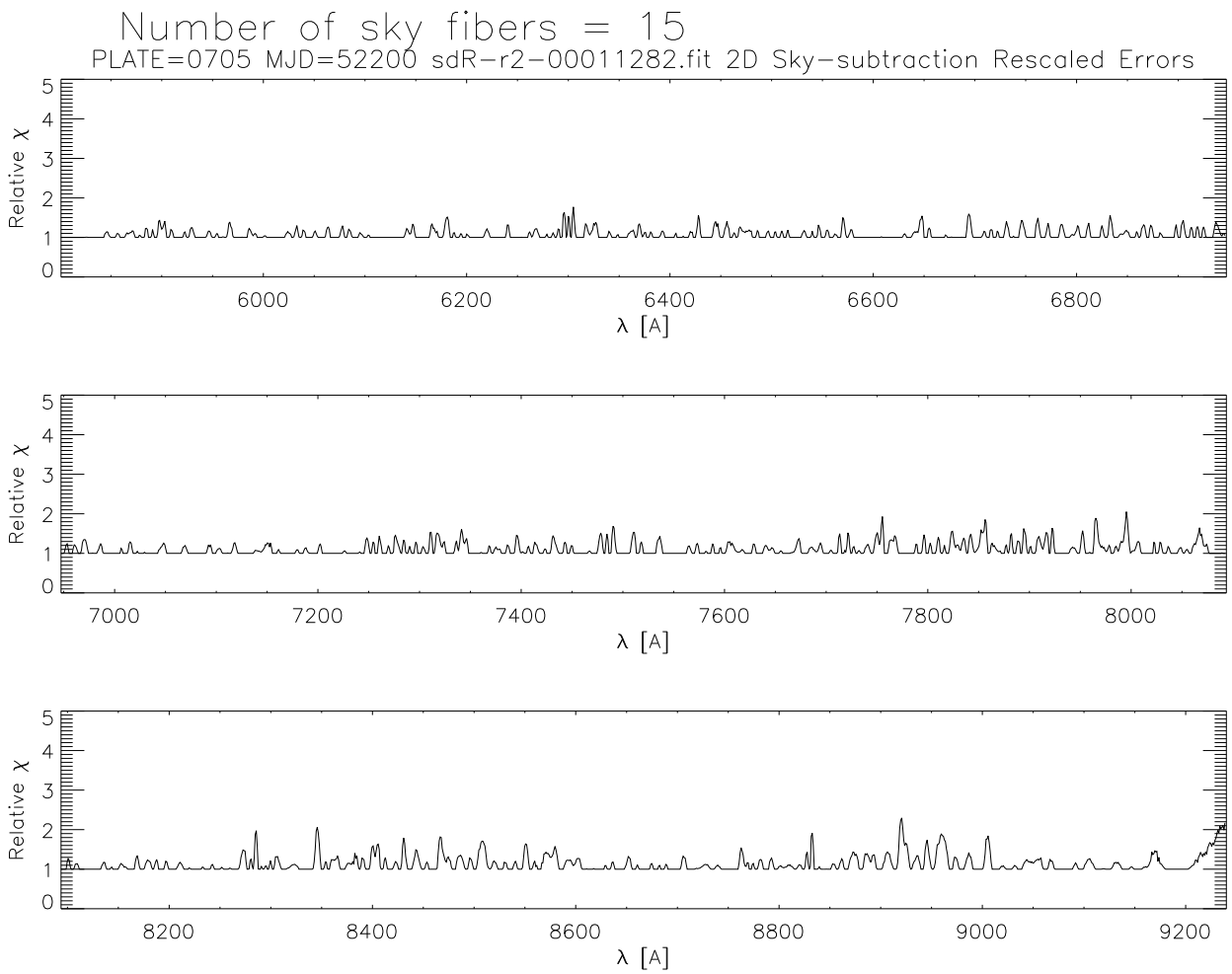

PLATE=0705 MJD=52200 sdR-r2-00011282.fit 1D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
200
100
0
-100
-200
8820
8840
8860
8880
8900
λ [A]

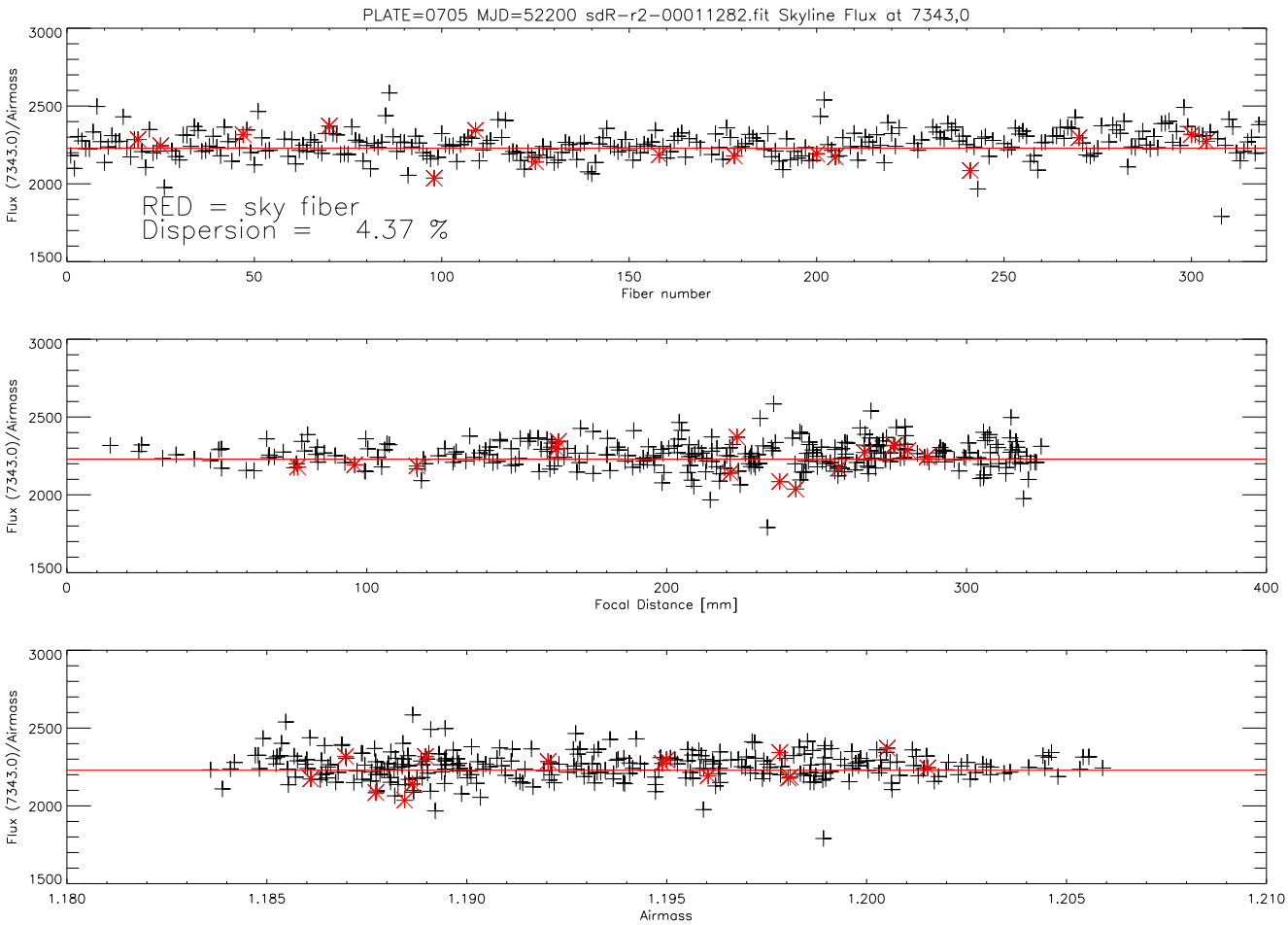

Number of sky fibers = 15
PLATE=0705 MJD=52200 sdR-r2-00011282.fit 1D Sky-subtraction Rescaled Errors
Relative χ
λ [A]
6000
6200
6400
6600
6800
7000
7200
7400
7600
7800
8000
8200
8400
8600
8800
9000
9200

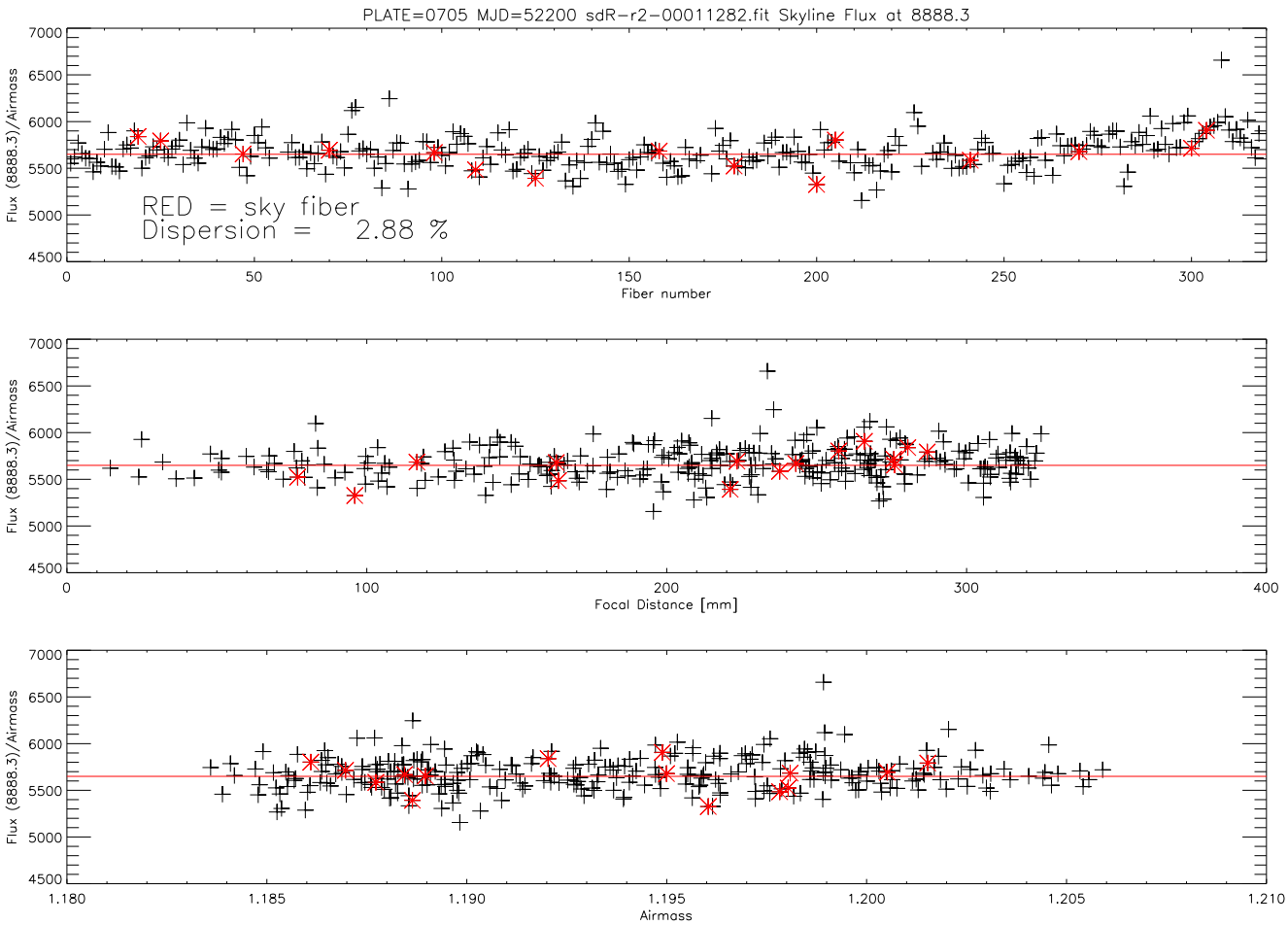

PLATE=0705 MJD=52200 sdR-r2-00011282.fit 2D Sky-subtraction Sky Fibers
Median $\chi^2$
0.0
0.1
0.2
0.3
0.4
0.5
0.6
BLUE=After rescaling variance
50
100
150
200
250
300
Fiber number
Median Sky-Sub Flux
-3
-2
-1
0
1
2
3
4
50
100
150
200
250
300
Fiber number

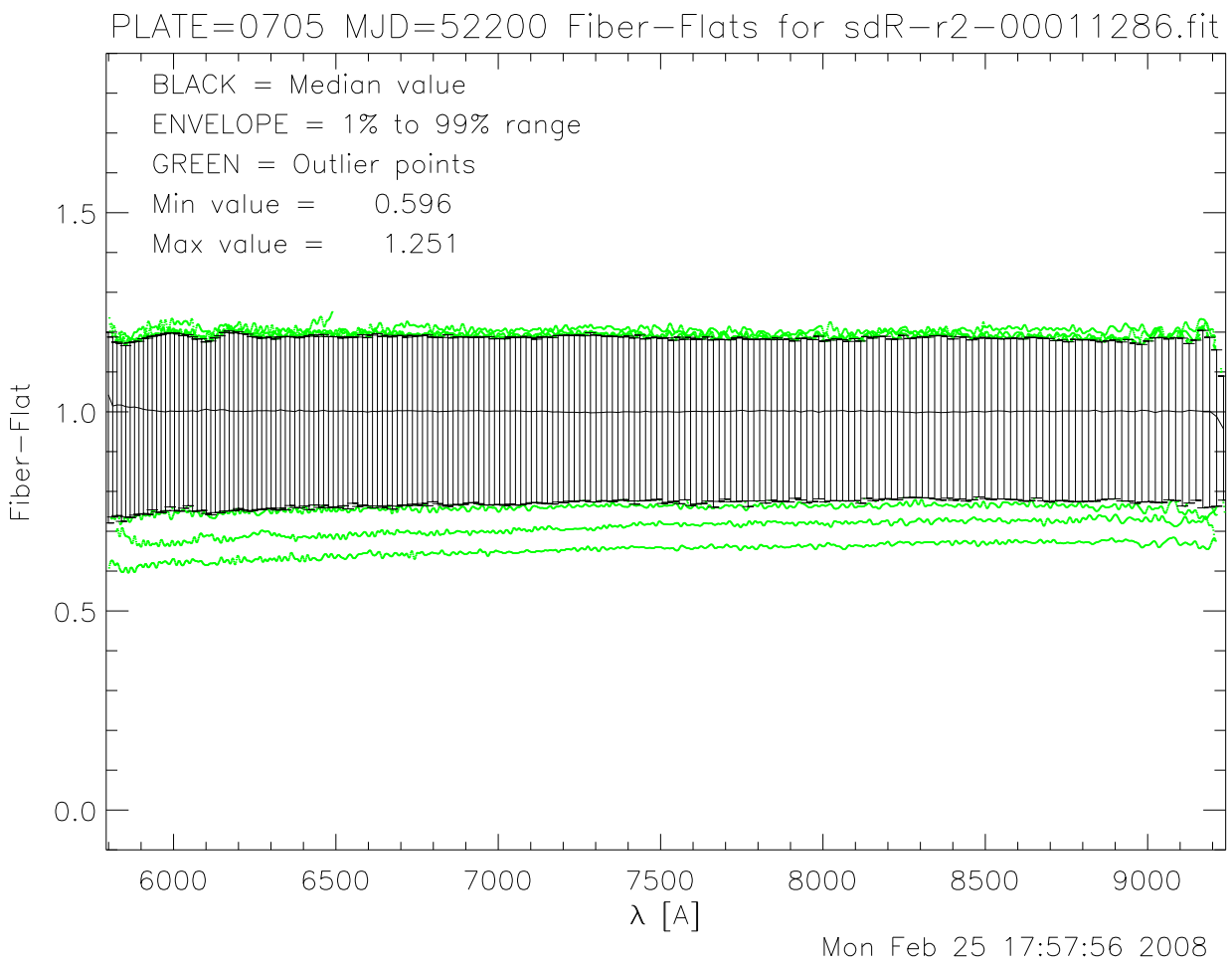

PLATE=0705 MJD=52200 sdR-r2-00011282.fit 2D Sky-subtraction Sky Fibers
Flux [electrons]
5000
4000
3000
2000
1000
0
8820
8840
8860
8880
8900
λ [A]

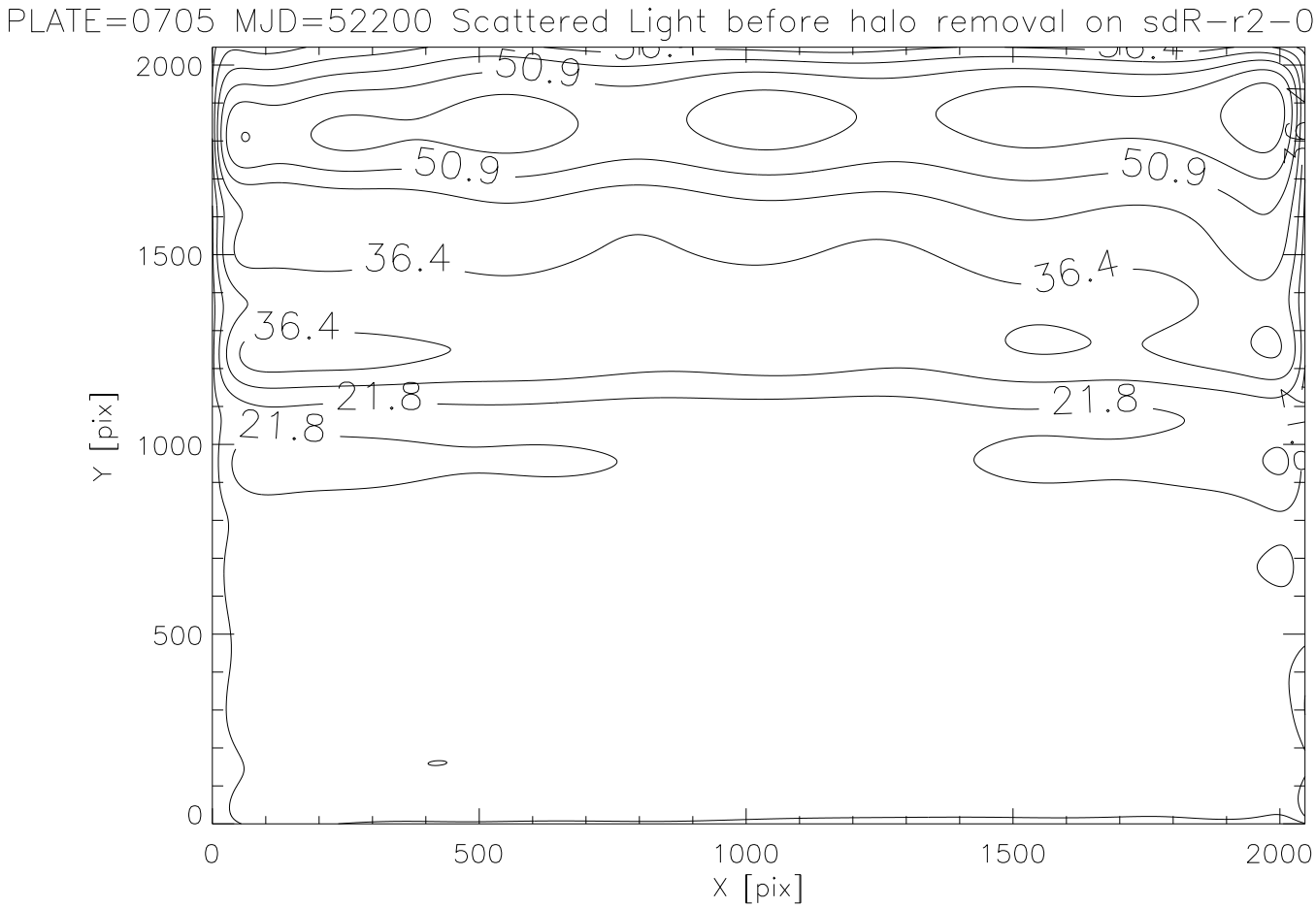

PLATE=0705 MJD=52200 sdR-r2-00011282.fit 2D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
200
100
0
-100
-200
8820
8840
8860
8880
8900
λ [A]

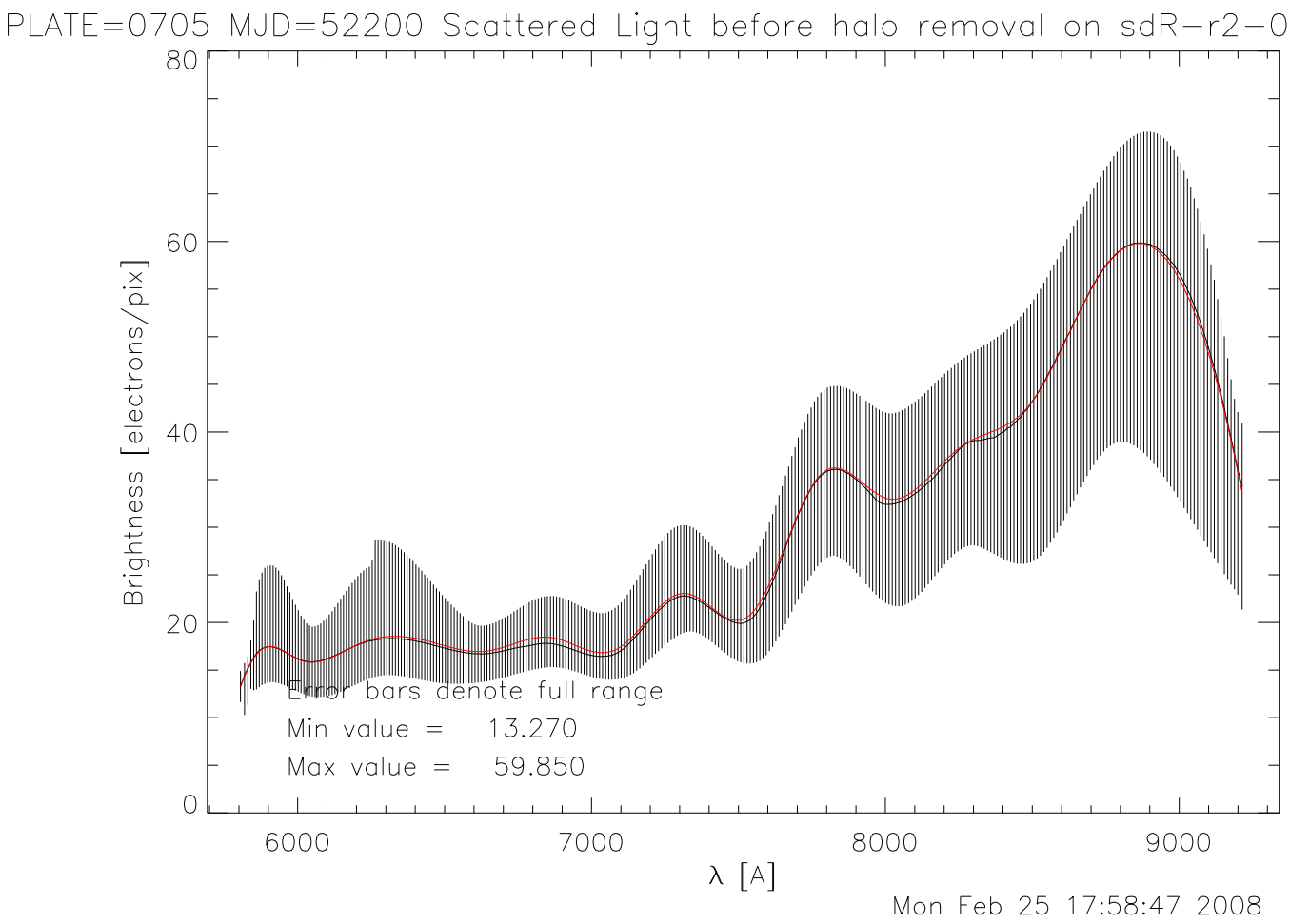

Number of sky fibers = 15
PLATE=0705 MJD=52200 sdR-r2-00011282.fit 2D Sky-subtraction Rescaled Errors
Relative χ
λ [A]
6000
6200
6400
6600
6800
7000
7200
7400
7600
7800
8000
8200
8400
8600
8800
9000
9200

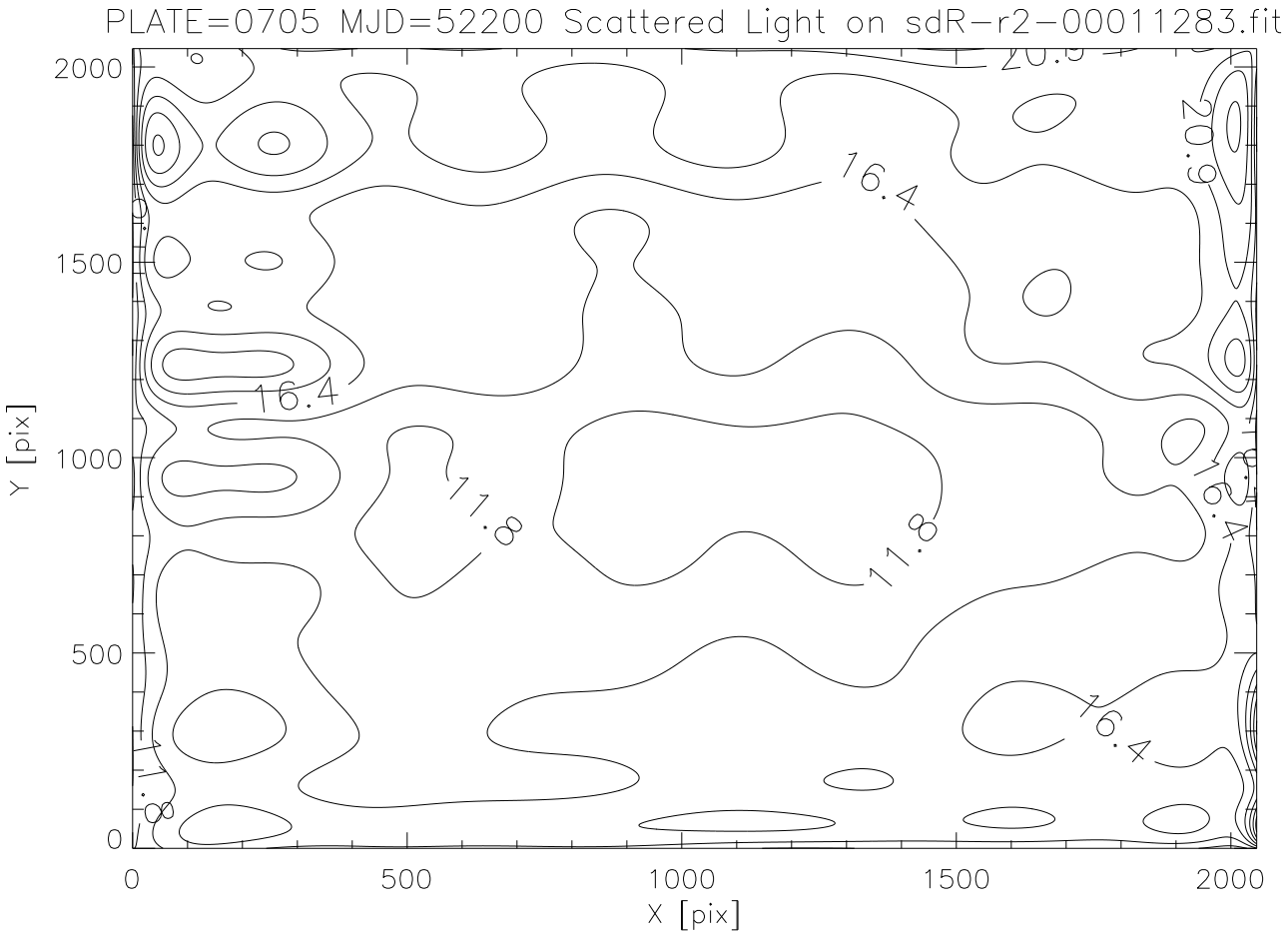

PLATE=0705 MJD=52200 sdR-r2-00011282.fit Skyline Flux at 7343,0
Flux (7343.0)/Airmass
RED = sky fiber
Dispersion = 4.37 %
Fiber number
Flux (7343.0)/Airmass
Focal Distance [mm]
Flux (7343.0)/Airmass
Airmass

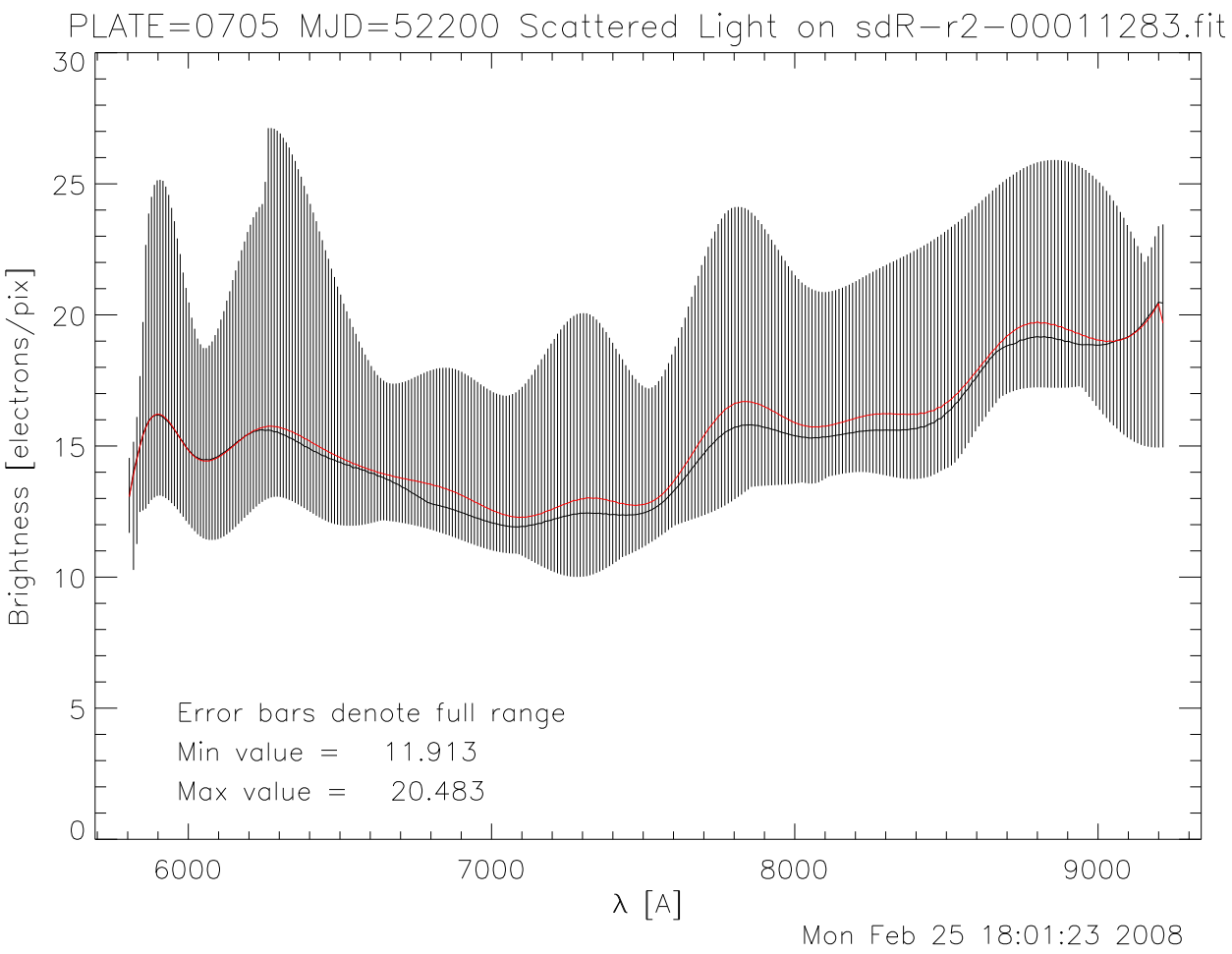

PLATE=0705 MJD=52200 sdR-r2-00011282.fit Skyline Flux at 8888.3
Flux (8888.3)/Airmass
RED = sky fiber
Dispersion = 2.88 %
Fiber number
Focal Distance [mm]
Airmass

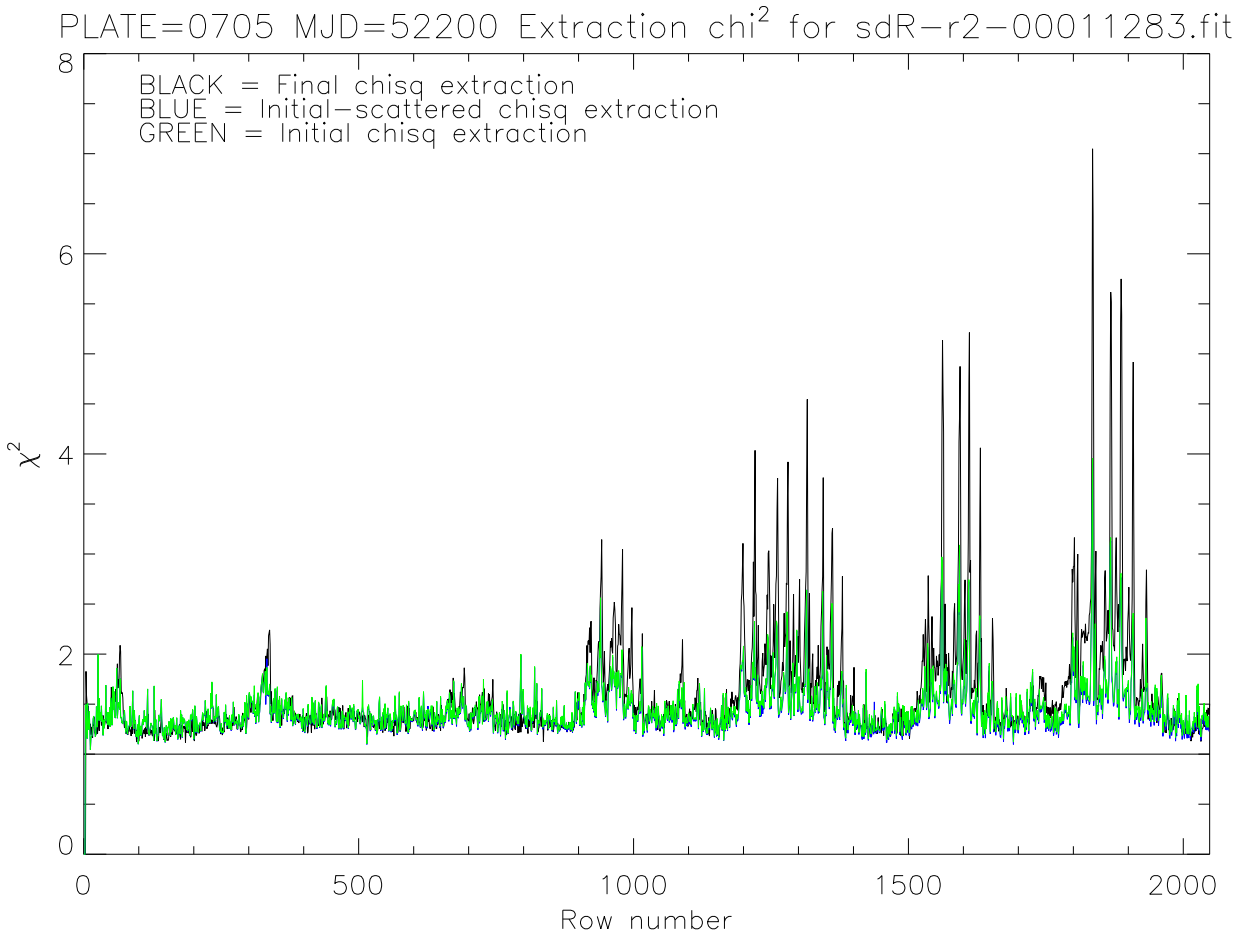

PLATE=0705 MJD=52200 Fiber-Flats for sdR-r2-00011286.fit
BLACK = Median value
ENVELOPE = 1% to 99% range
GREEN = Outlier points
Min value = 0.596
Max value = 1.251
Fiber-Flat
1.5
1.0
0.5
0.0
6000
6500
7000
7500
8000
8500
9000
λ [A]
Mon Feb 25 17:57:56 2008

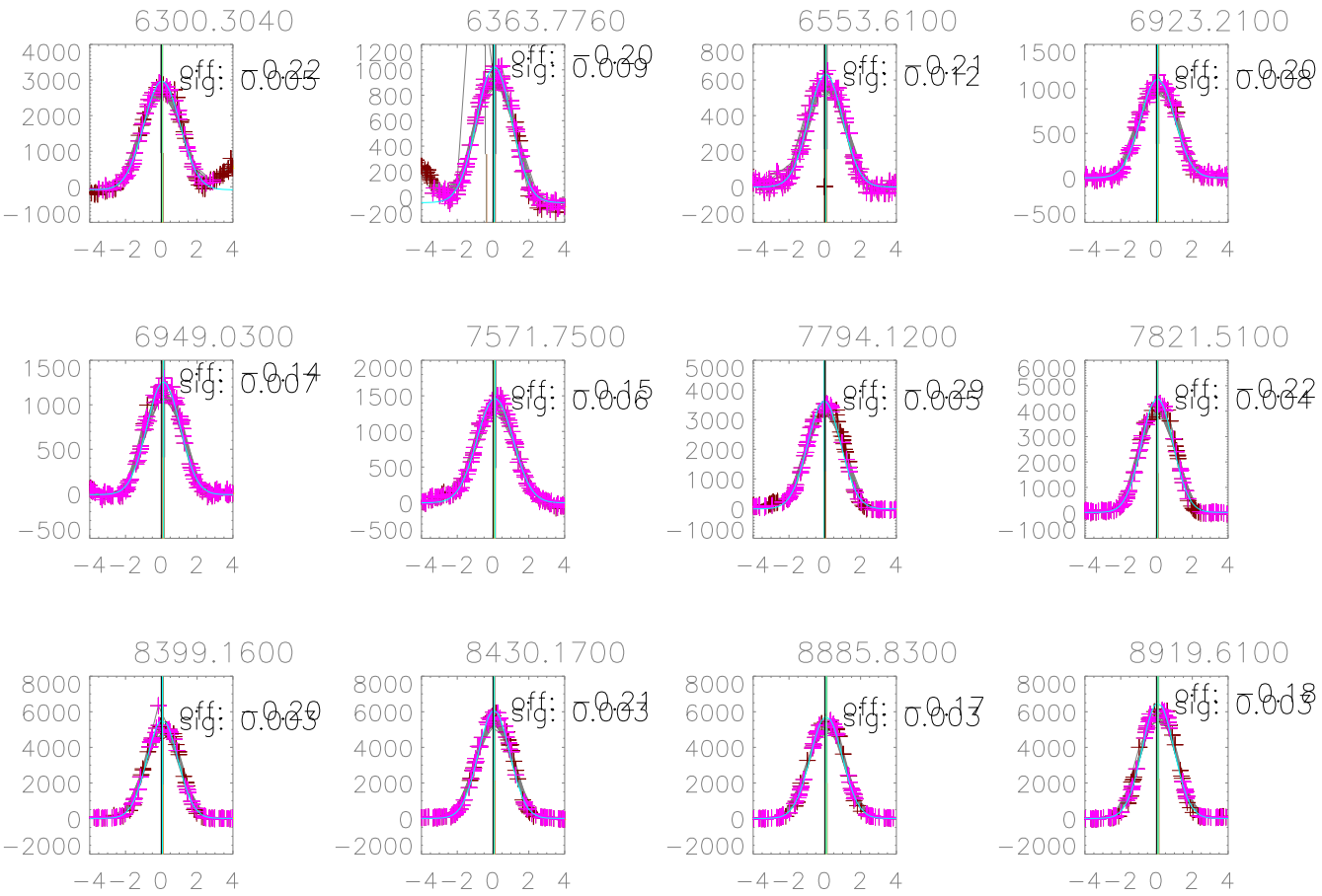

PLATE=0705 MJD=52200 Scattered Light before halo removal on sdR-r2-00011283.fi
50.9
50.9
50.9
36.4
36.4
36.4
21.8
21.8
21.8
2000
1500
1000
500
0
Y [pix]
0
500
1000
1500
2000
X [pix]

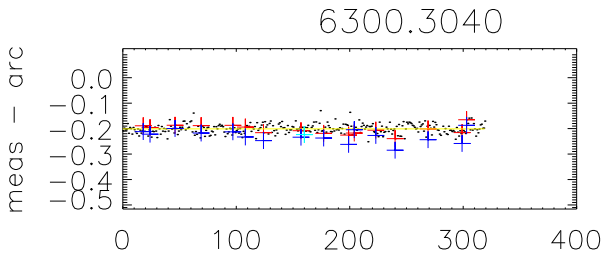

PLATE=0705 MJD=52200 Scattered Light before halo removal on sdR-r2-00011283.fi
Brightness [electrons/pix]
λ [A]
Error bars denote full range
Min value = 13.270
Max value = 59.850
Mon Feb 25 17:58:47 2008

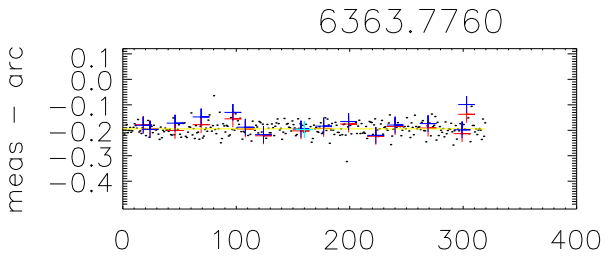

PLATE=0705 MJD=52200 Scattered Light on sdR-r2-00011283.fit
Y [pix]
X [pix]
0
500
1000
1500
2000
16.4
11.8
20.9

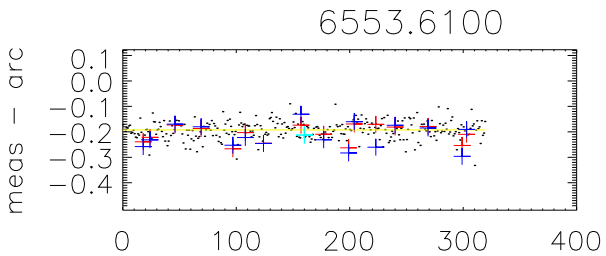

PLATE=0705 MJD=52200 Scattered Light on sdR-r2-00011283.fit
Brightness [electrons/pix]
λ [A]
Error bars denote full range
Min value = 11.913
Max value = 20.483
Mon Feb 25 18:01:23 2008

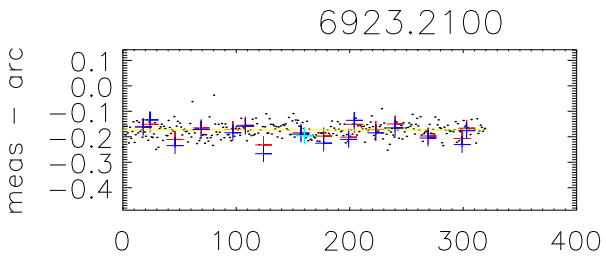

PLATE=0705 MJD=52200 Extraction chi$^2$ for sdR−r2−00011283.fit
BLACK = Final chisq extraction
BLUE = Initial−scattered chisq extraction
GREEN = Initial chisq extraction
$\chi^2$
0
2
4
6
8
0
500
1000
1500
2000
Row number

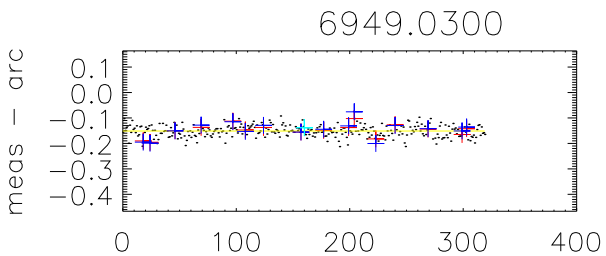

6300.3040
off: −0.22
sig: 0.005
6363.7760
off: −0.20
sig: 0.009
6553.6100
off: −0.21
sig: 0.012
6923.2100
off: −0.20
sig: 0.008
6949.0300
off: −0.14
sig: 0.007
7571.7500
off: −0.15
sig: 0.006
7794.1200
off: −0.29
sig: 0.005
7821.5100
off: −0.22
sig: 0.004
8399.1600
off: −0.20
sig: 0.009
8430.1700
off: −0.21
sig: 0.003
8885.8300
off: −0.17
sig: 0.003
8919.6100
off: −0.18
sig: 0.003

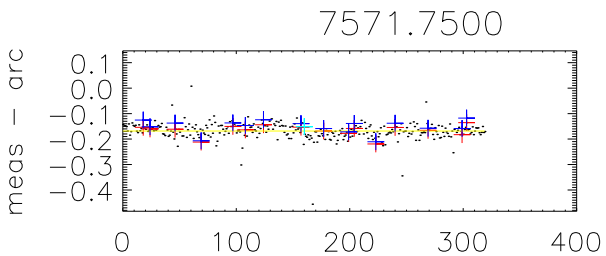

6300.3040
meas − arc
0.0
−0.1
−0.2
−0.3
−0.4
−0.5
0
100
200
300
400

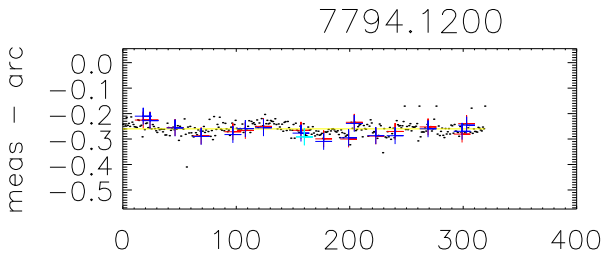

6363.7760
meas − arc
0.1
0.0
−0.1
−0.2
−0.3
−0.4
0
100
200
300
400

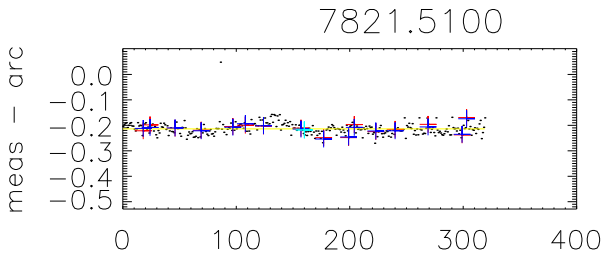

6553.6100
meas − arc
0.1
0.0
−0.1
−0.2
−0.3
−0.4
0
100
200
300
400

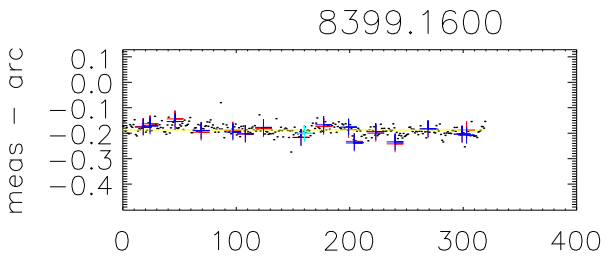

6923.2100
meas − arc
0.1
0.0
−0.1
−0.2
−0.3
−0.4
0
100
200
300
400

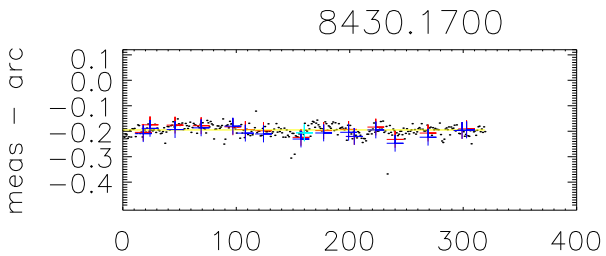

6949.0300
meas − arc
0.1
0.0
−0.1
−0.2
−0.3
−0.4
0
100
200
300
400

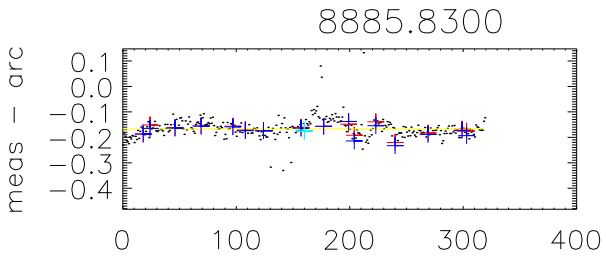

7571.7500
meas − arc
0.1
0.0
−0.1
−0.2
−0.3
−0.4
0
100
200
300
400

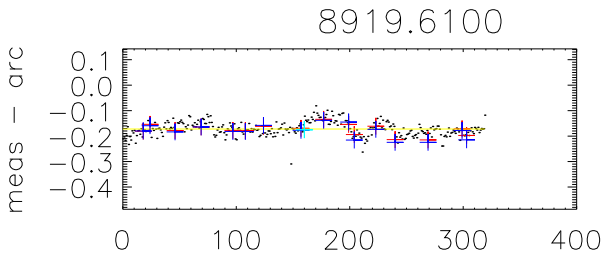

7794.1200
meas − arc
0.0
−0.1
−0.2
−0.3
−0.4
−0.5
0
100
200
300
400

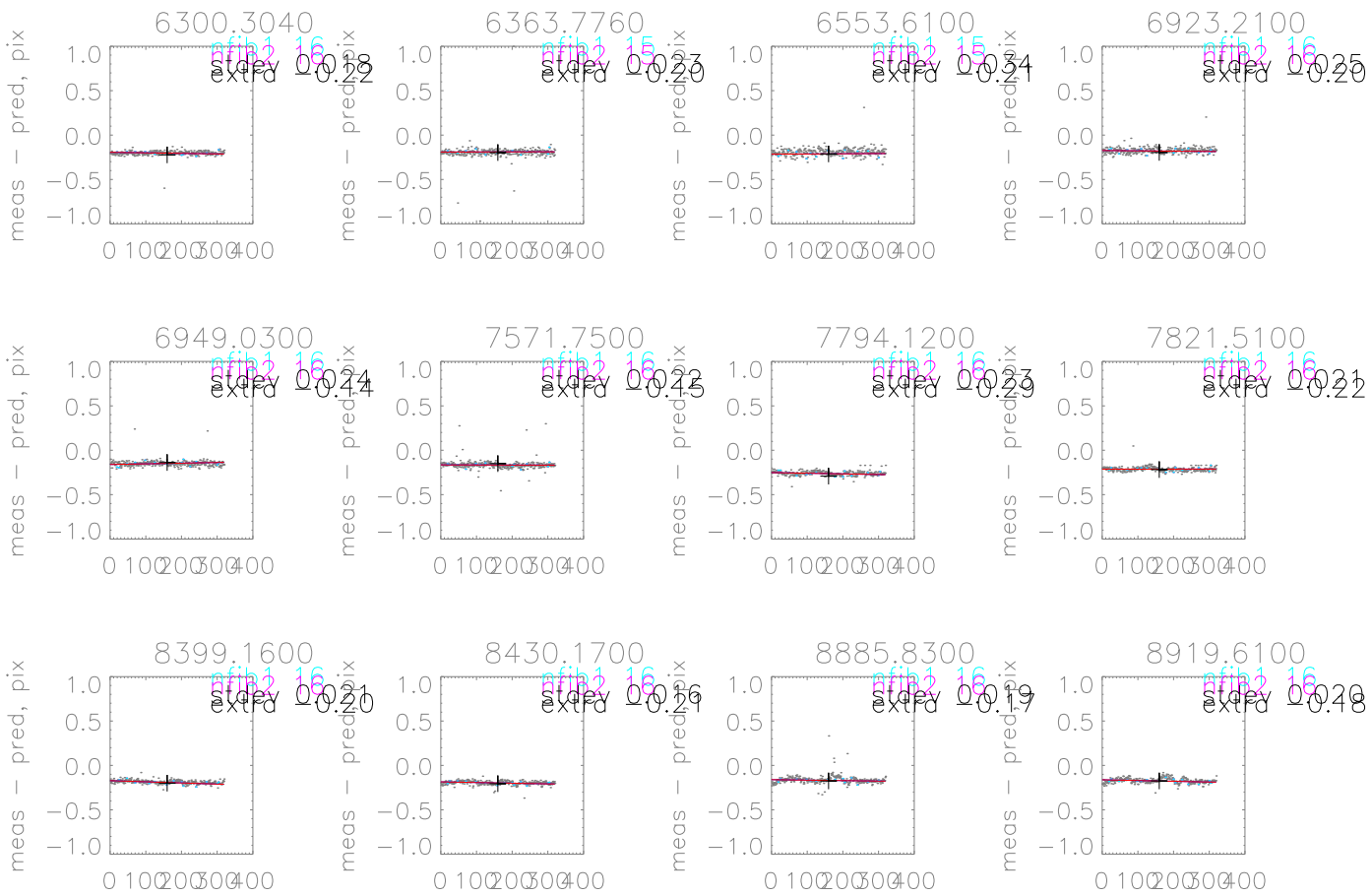

7821.5100
meas − arc
0.0
−0.1
−0.2
−0.3
−0.4
−0.5
0
100
200
300
400

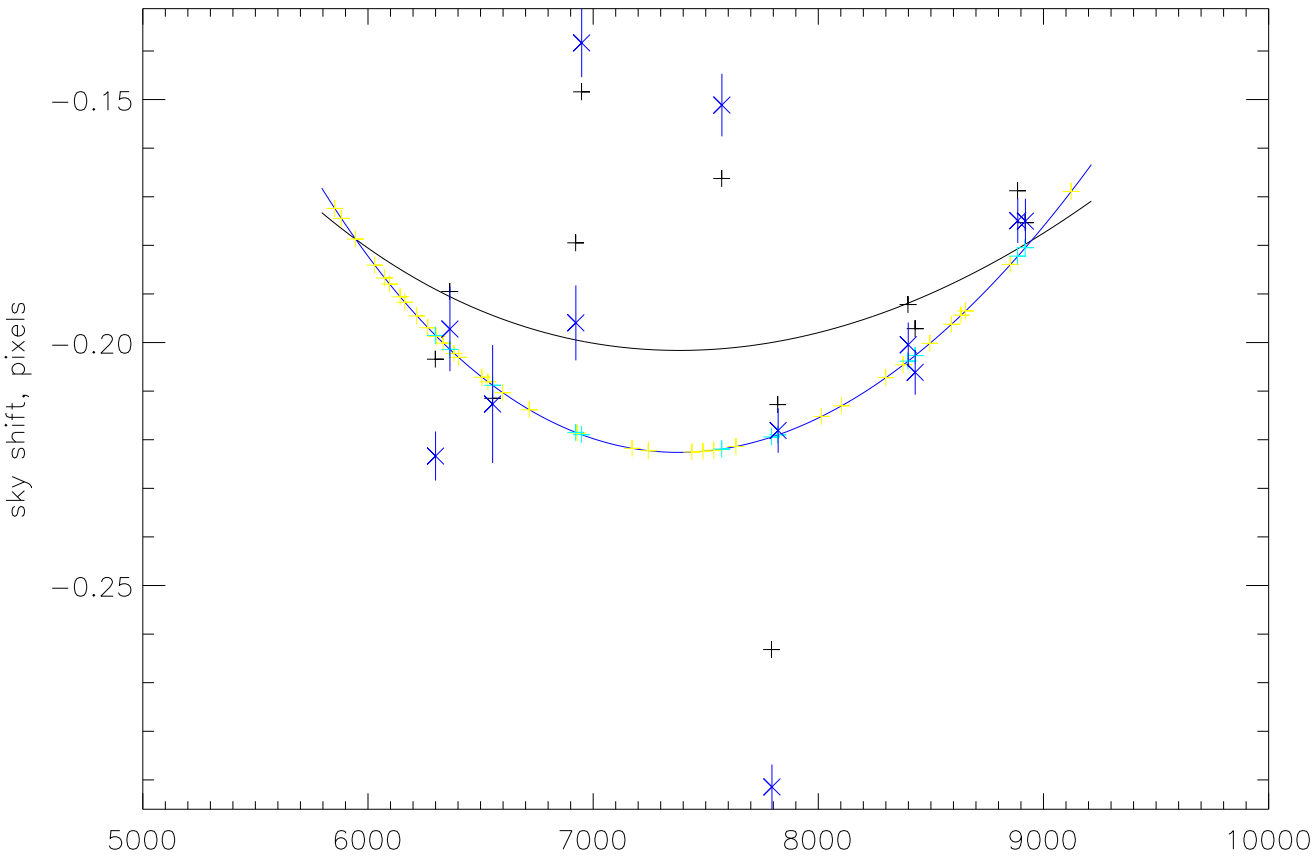

8399.1600
meas − arc
0.1
0.0
−0.1
−0.2
−0.3
−0.4
0
100
200
300
400

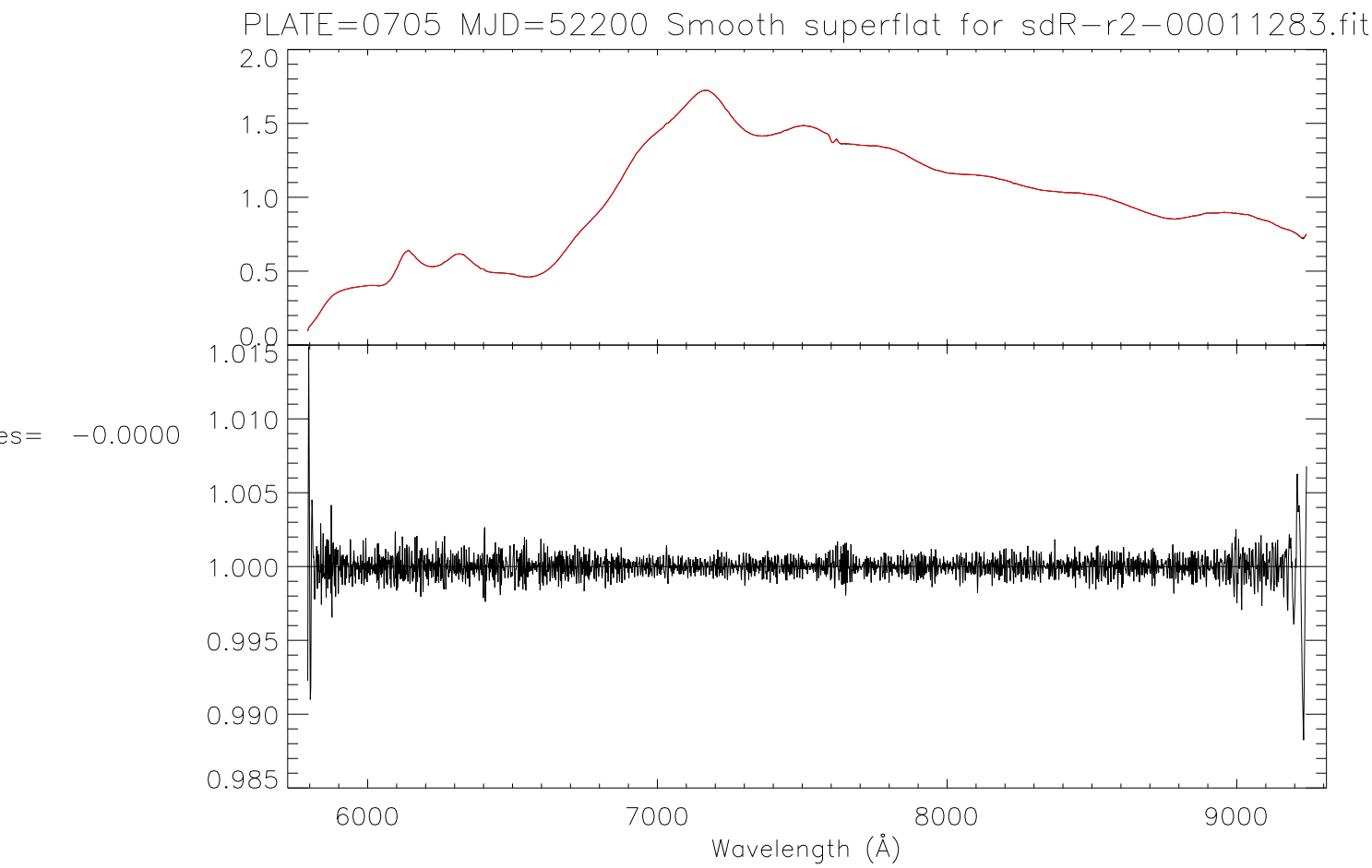

8430.1700
meas − arc
0.1
0.0
−0.1
−0.2
−0.3
−0.4
0
100
200
300
400


8885.8300
meas − arc
0.1
0.0
−0.1
−0.2
−0.3
−0.4
0
100
200
300
400

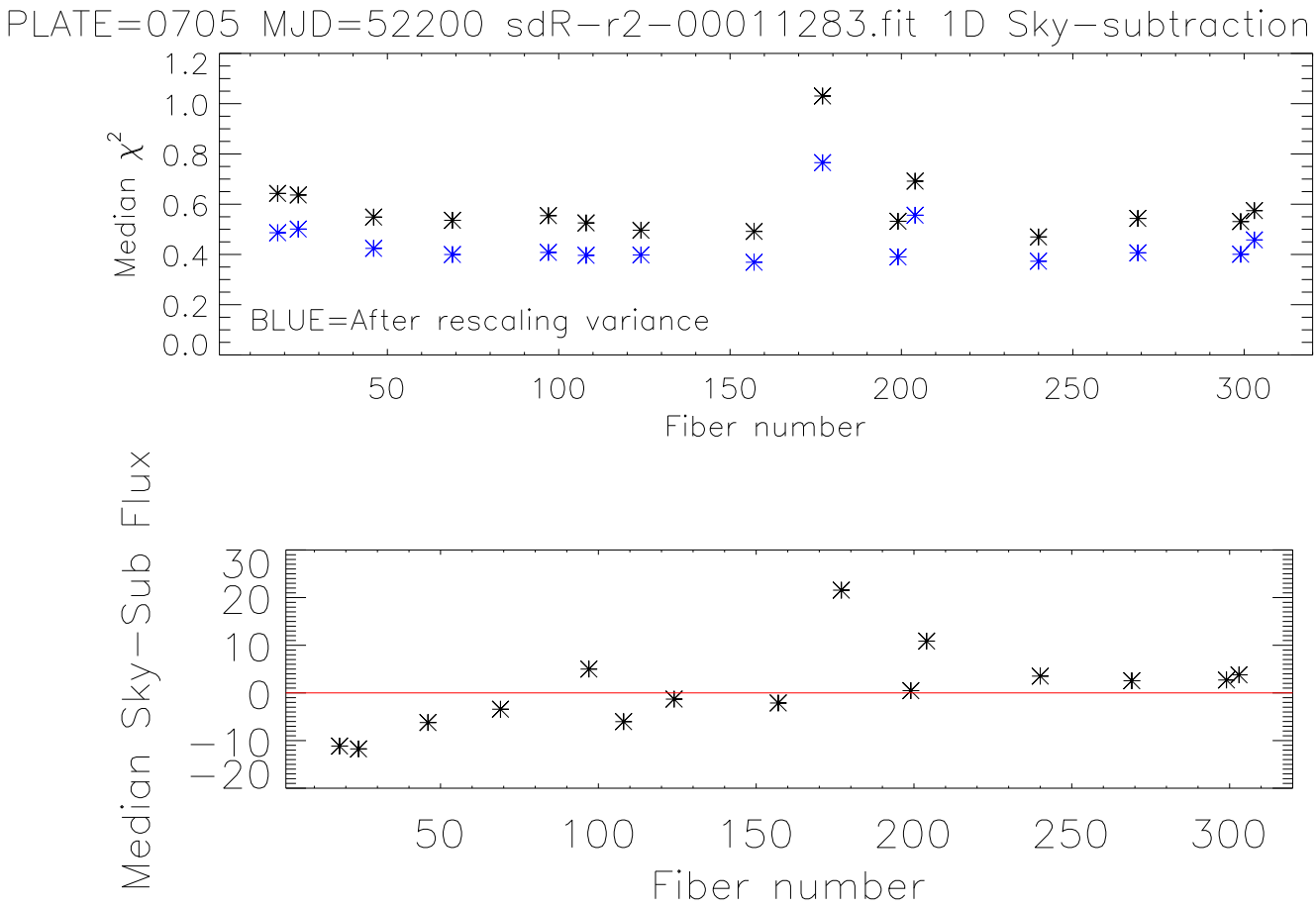

8919.6100
meas − arc
0.1
0.0
−0.1
−0.2
−0.3
−0.4
0
100
200
300
400

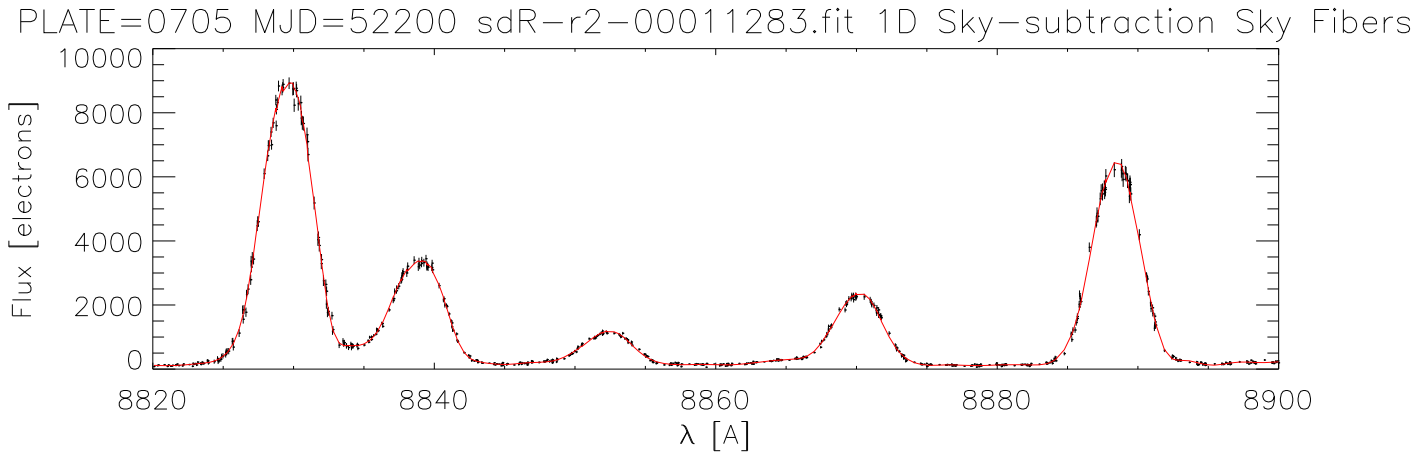

6300.3040
mfhd1 16
mfhd2 16
stdev 0.18
extra 0.22
6363.7760
mfhd1 15
mfhd2 16
stdev 0.23
extra 0.20
6553.6100
mfhd1 15
mfhd2 16
stdev 0.34
extra 0.21
6923.2100
mfhd1 16
mfhd2 16
stdev 0.25
extra 0.20
6949.0300
mfhd1 16
mfhd2 16
stdev 0.24
extra 0.44
7571.7500
mfhd1 16
mfhd2 16
stdev 0.22
extra 0.45
7794.1200
mfhd1 16
mfhd2 16
stdev 0.23
extra 0.29
7821.5100
mfhd1 16
mfhd2 16
stdev 0.21
extra 0.22
8399.1600
mfhd1 16
mfhd2 16
stdev 0.21
extra 0.20
8430.1700
mfhd1 16
mfhd2 16
stdev 0.16
extra 0.21
8885.8300
mfhd1 16
mfhd2 16
stdev 0.19
extra 0.17
8919.6100
mfhd1 16
mfhd2 16
stdev 0.20
extra 0.48
meas − pred, pix
1.0
0.5
0.0
−0.5
−1.0
0 100 200 300 400

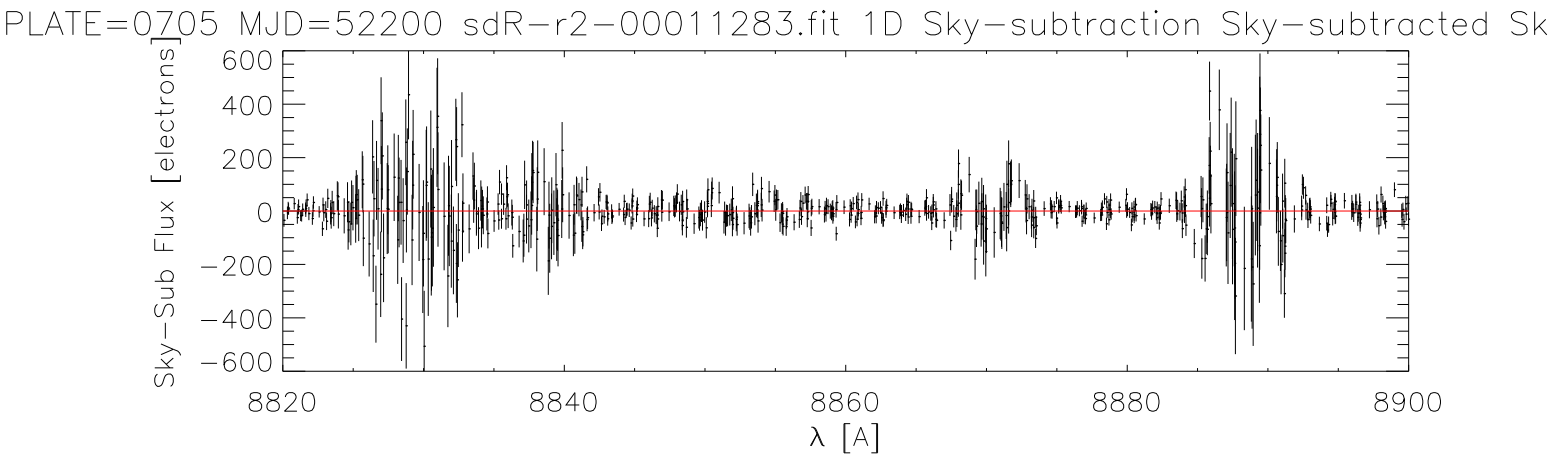

−0.15
−0.20
−0.25
sky shift, pixels
5000
6000
7000
8000
9000
10000

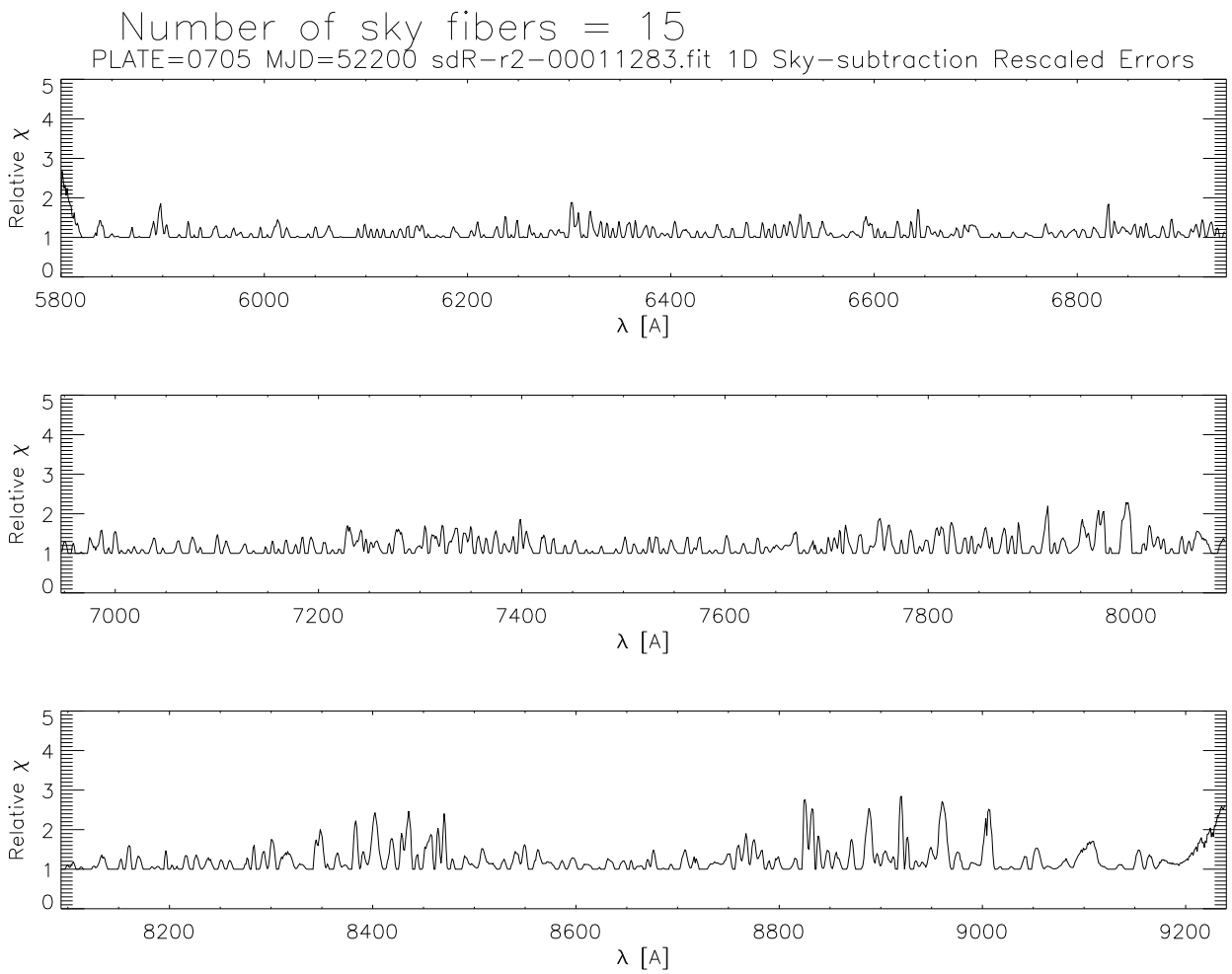

PLATE=0705 MJD=52200 Smooth superflat for sdR-r2-00011283.fit
2.0
1.5
1.0
0.5
0.0
1.015
1.010
1.005
1.000
0.995
0.990
0.985
6000
7000
8000
9000
Wavelength (Å)

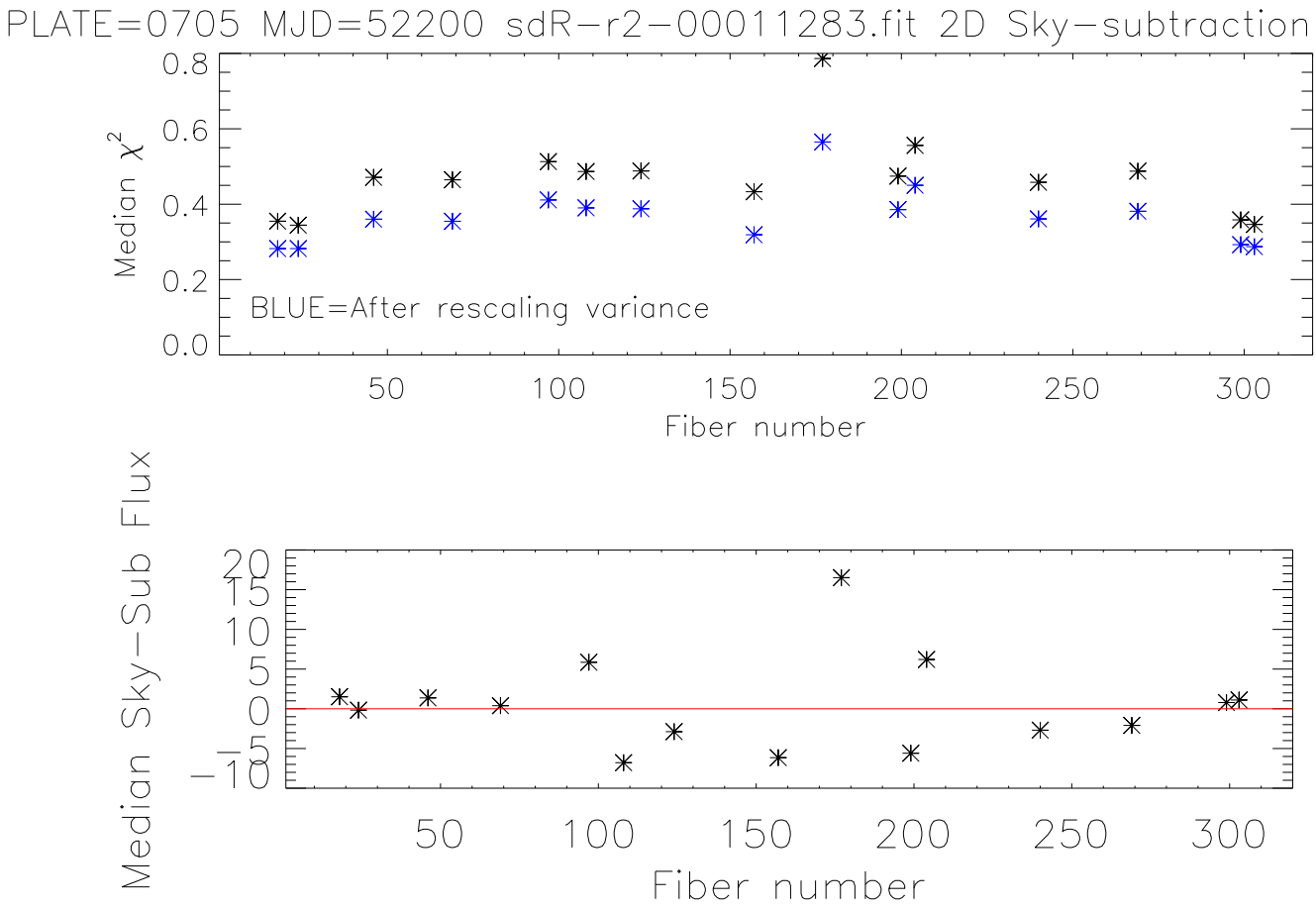
es= −0.0000

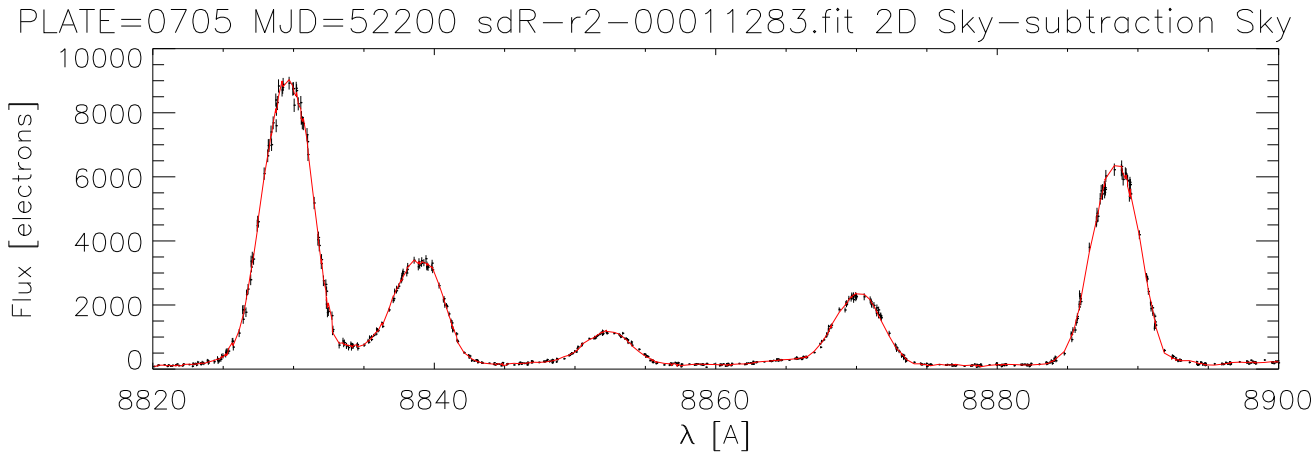

PLATE=0705 MJD=52200 sdR-r2-00011283.fit 1D Sky-subtraction Sky Fibers
Median $\chi^2$
BLUE=After rescaling variance
Fiber number
Median Sky-Sub Flux
Fiber number

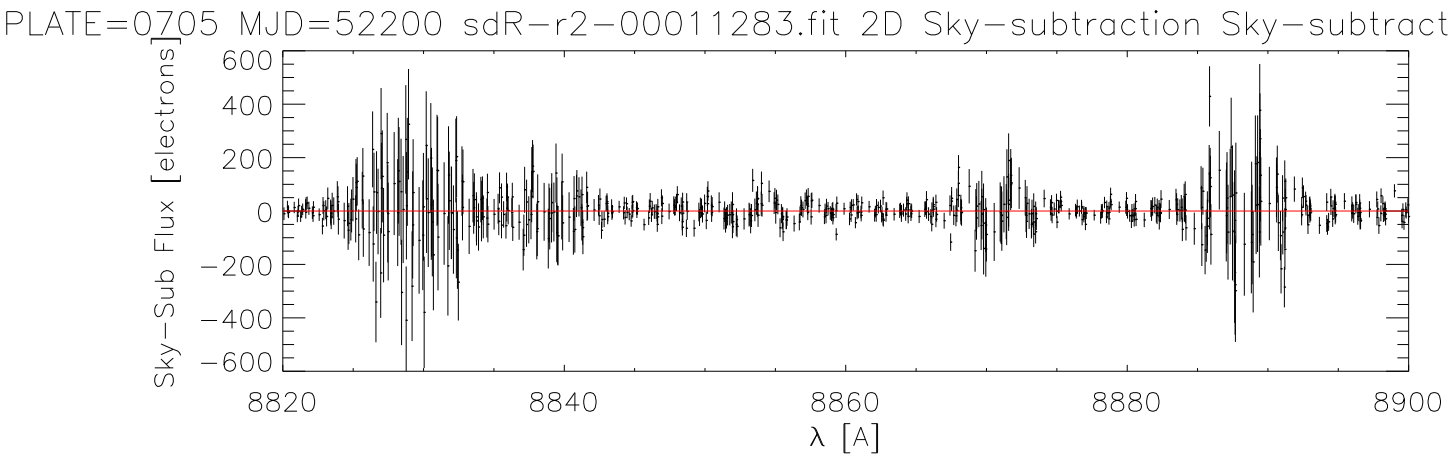

PLATE=0705 MJD=52200 sdR-r2-00011283.fit 1D Sky-subtraction Sky Fibers
Flux [electrons]
10000
8000
6000
4000
2000
0
8820
8840
8860
8880
8900
λ [A]

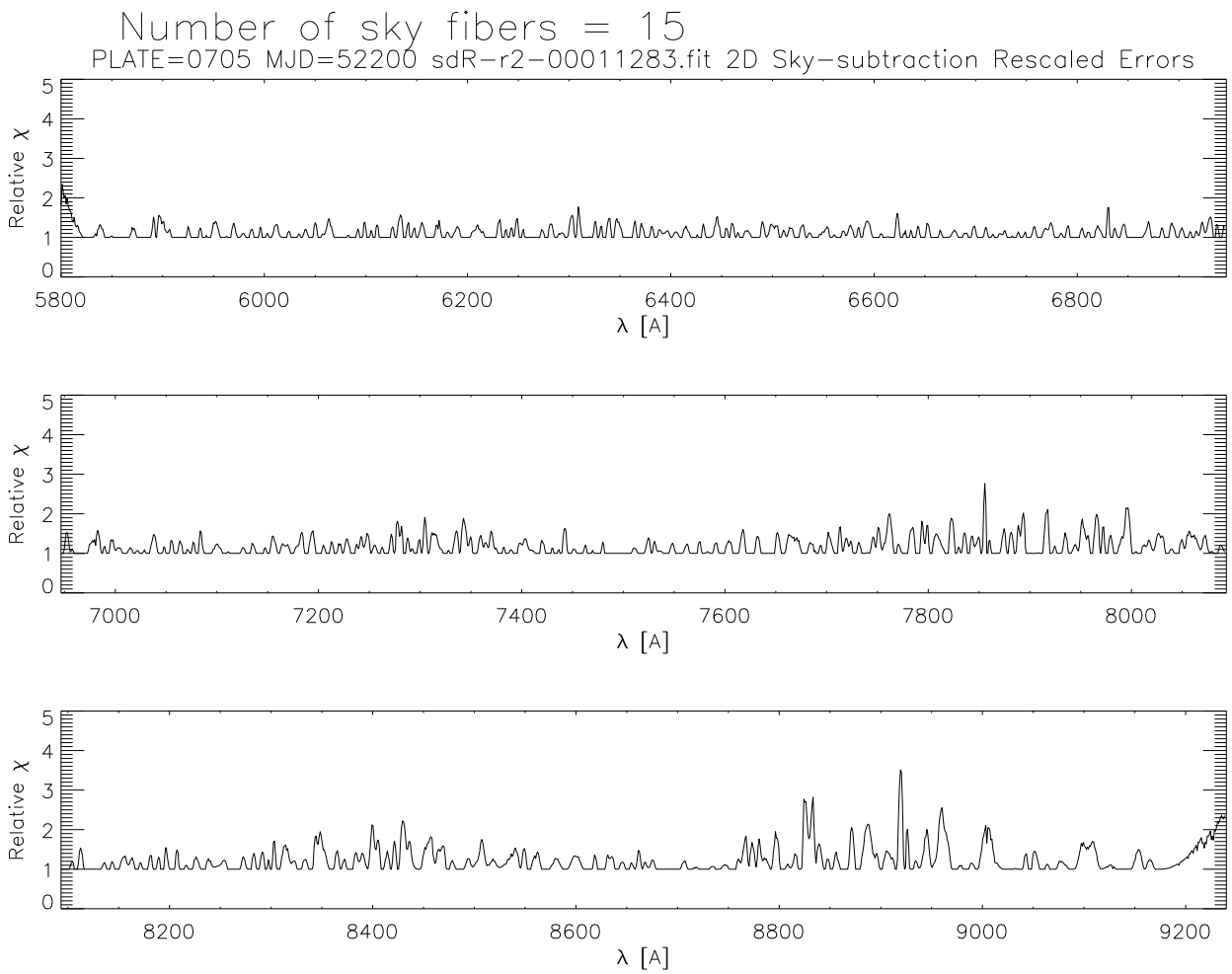

PLATE=0705 MJD=52200 sdR-r2-00011283.fit 1D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
600
400
200
0
-200
-400
-600
8820
8840
8860
8880
8900
λ [A]

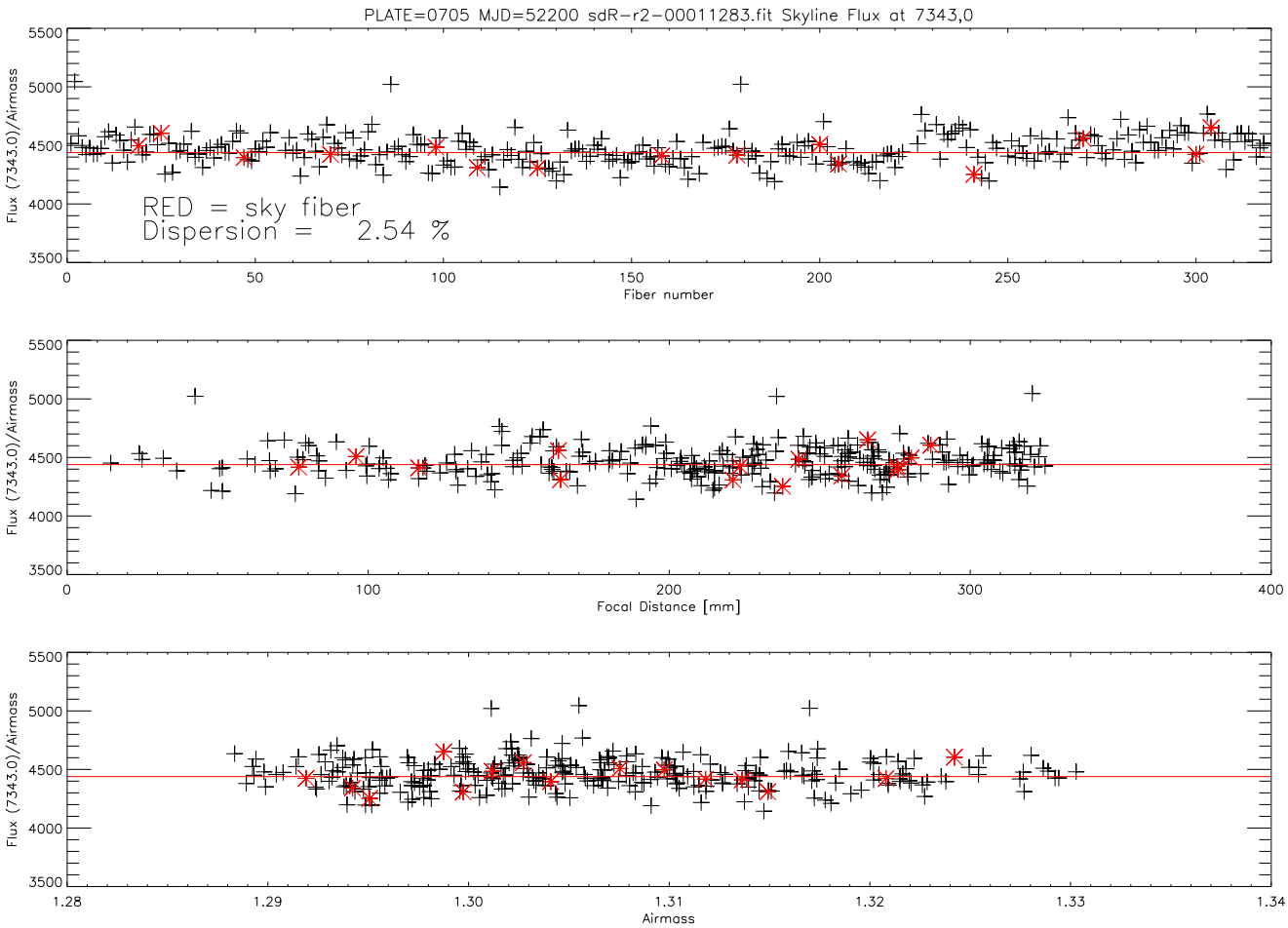

Number of sky fibers = 15
PLATE=0705 MJD=52200 sdR-r2-00011283.fit 1D Sky-subtraction Rescaled Errors
Relative χ
λ [A]
5800
6000
6200
6400
6600
6800
7000
7200
7400
7600
7800
8000
8200
8400
8600
8800
9000
9200
0
1
2
3
4
5

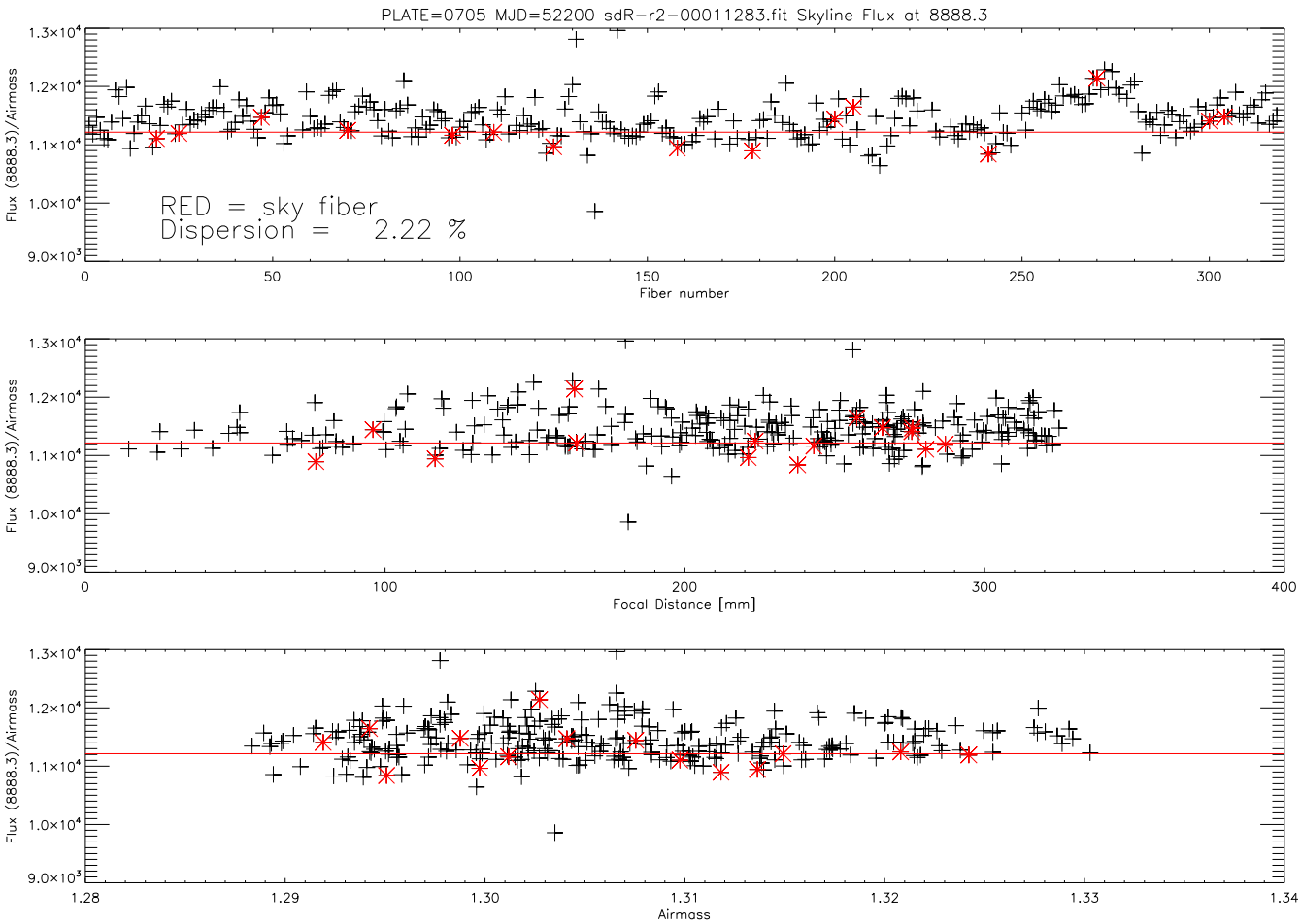

PLATE=0705 MJD=52200 sdR-r2-00011283.fit 2D Sky-subtraction Sky Fibers
Median $\chi^2$
0.0
0.2
0.4
0.6
0.8
BLUE=After rescaling variance
50
100
150
200
250
300
Fiber number
Median Sky-Sub Flux
−10
−5
0
5
10
15
20
50
100
150
200
250
300
Fiber number

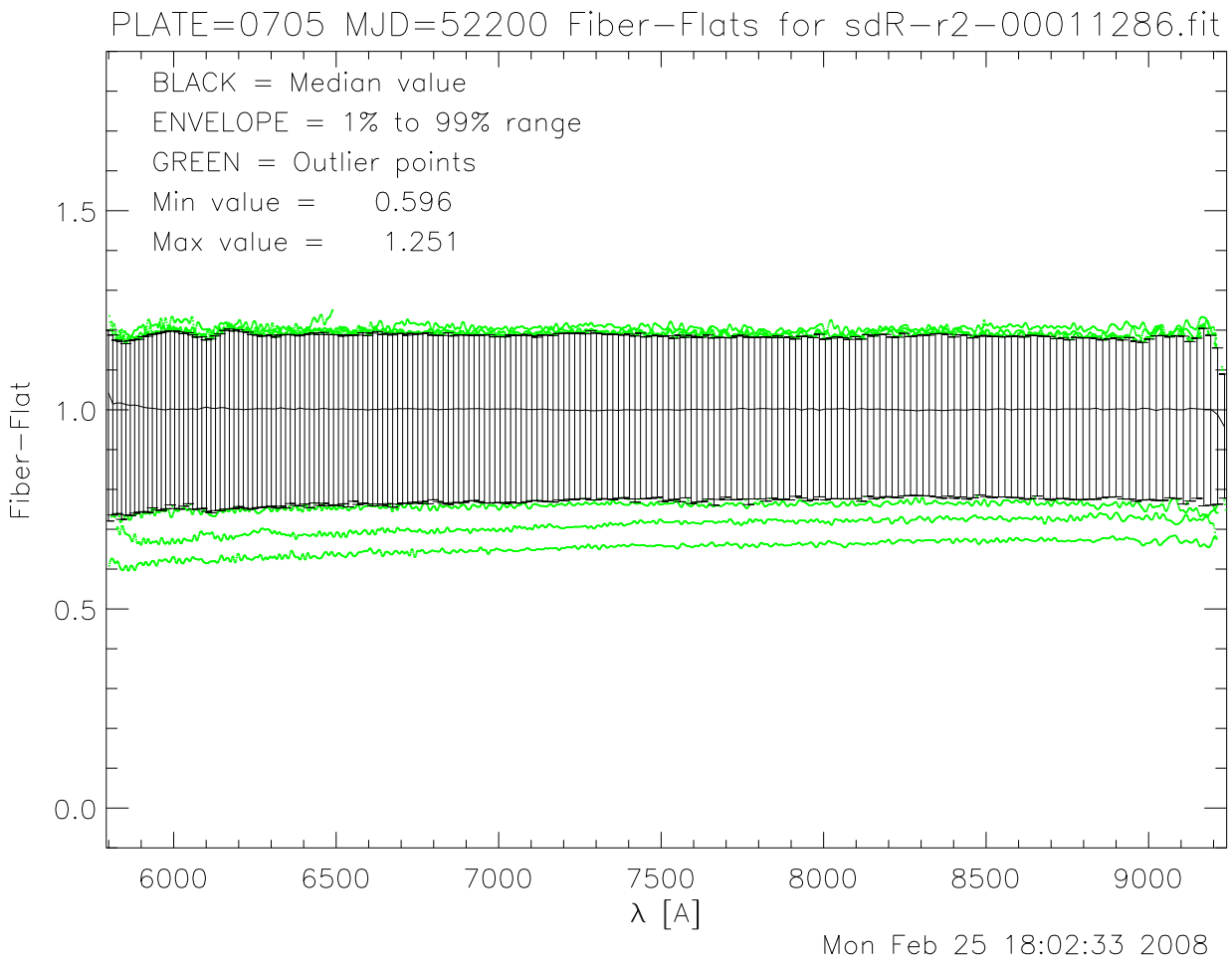

PLATE=0705 MJD=52200 sdR-r2-00011283.fit 2D Sky-subtraction Sky Fibers
Flux [electrons]
10000
8000
6000
4000
2000
0
8820
8840
8860
8880
8900
λ [A]

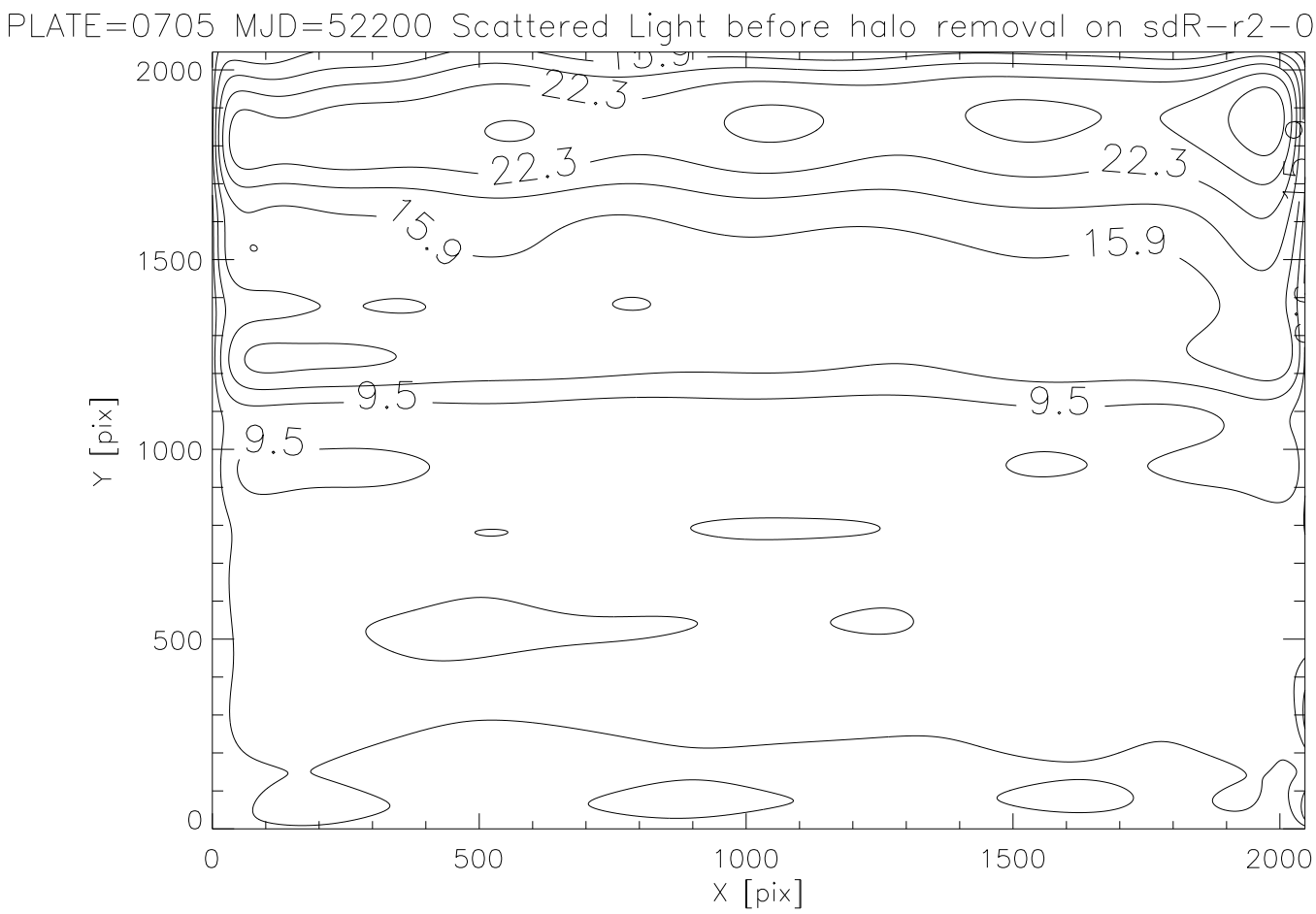

PLATE=0705 MJD=52200 sdR-r2-00011283.fit 2D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
600
400
200
0
-200
-400
-600
8820
8840
8860
8880
8900
λ [A]

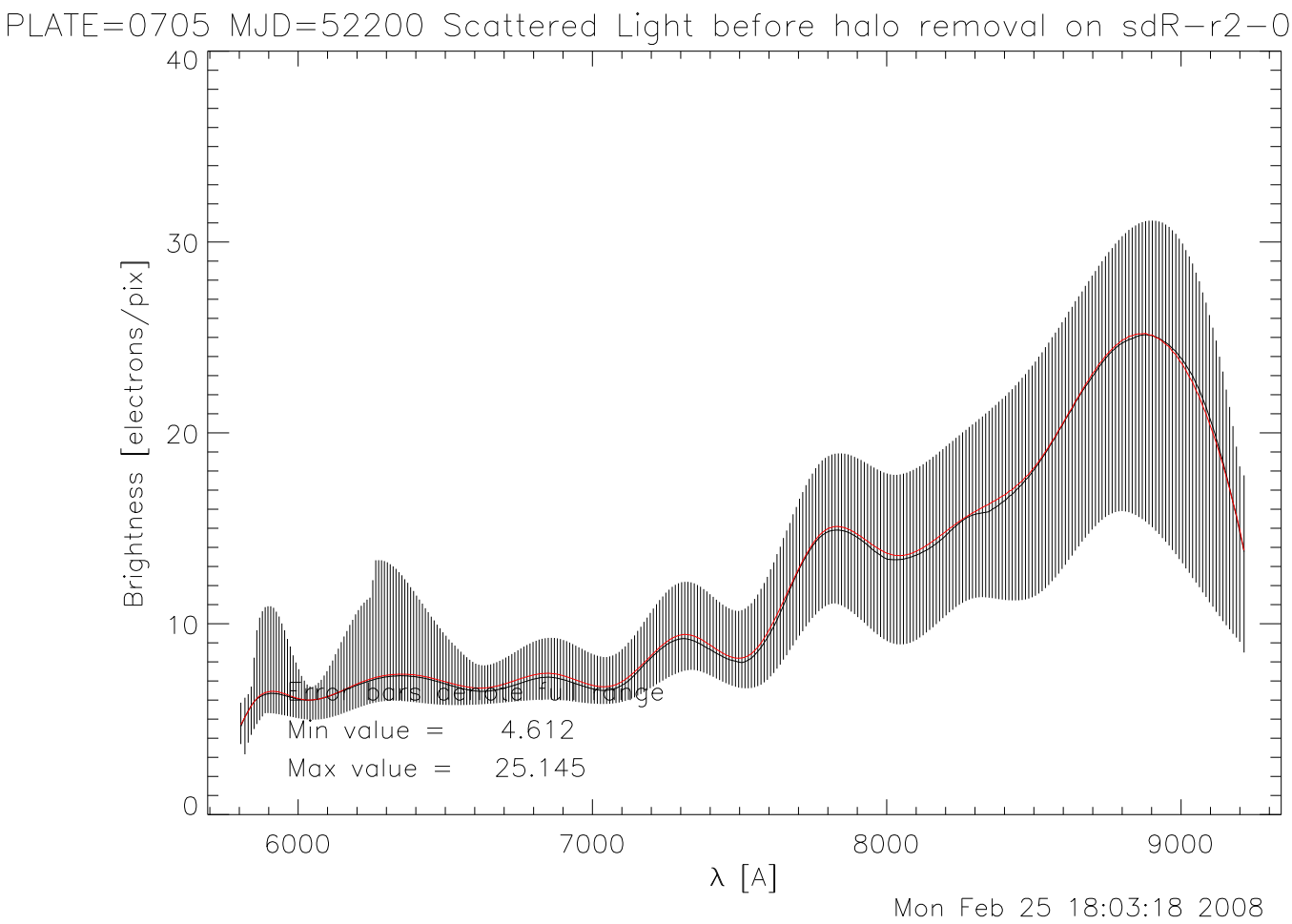

Number of sky fibers = 15
PLATE=0705 MJD=52200 sdR-r2-00011283.fit 2D Sky-subtraction Rescaled Errors
Relative χ
λ [A]
5800
6000
6200
6400
6600
6800
7000
7200
7400
7600
7800
8000
8200
8400
8600
8800
9000
9200

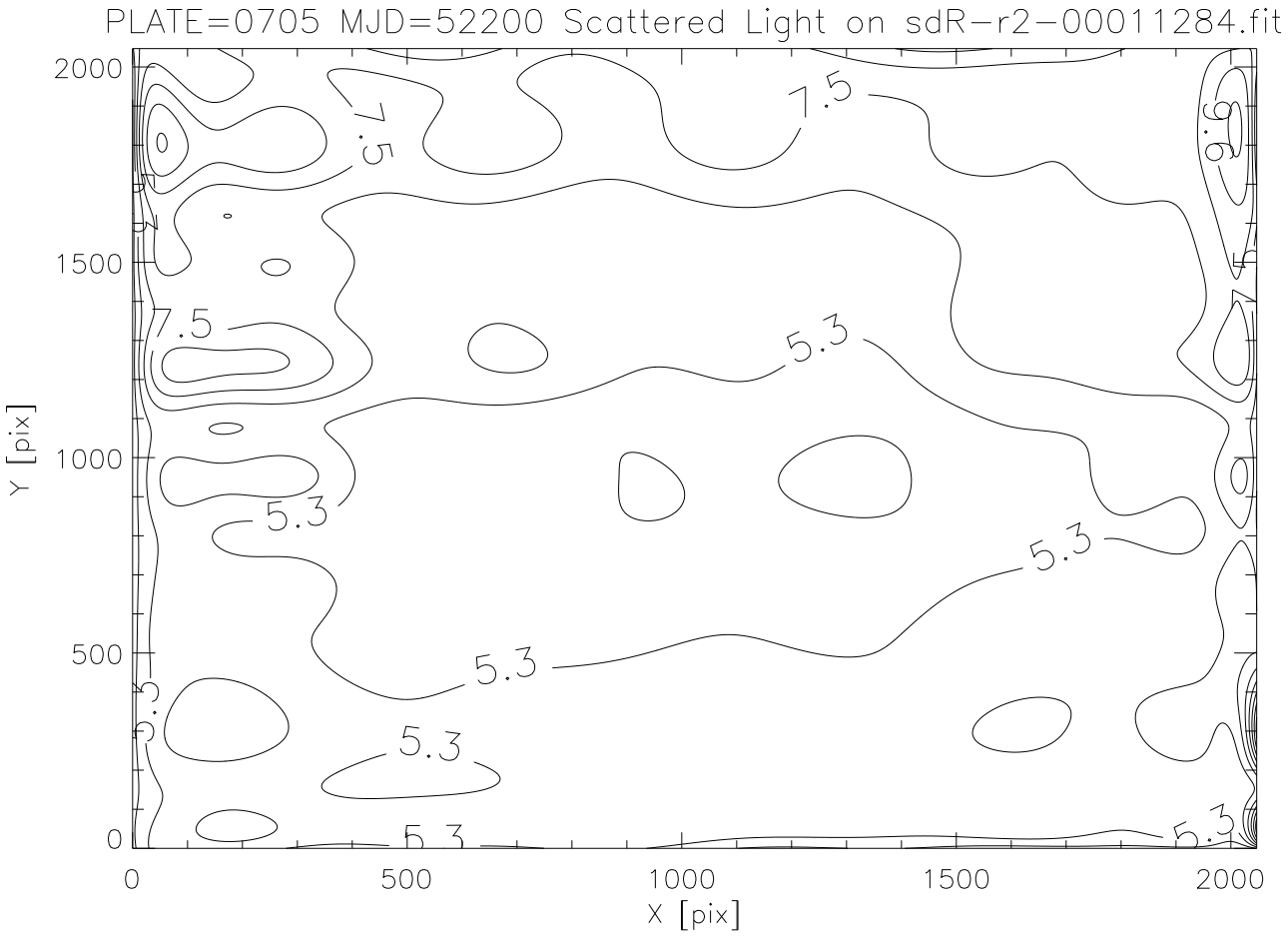

PLATE=0705 MJD=52200 sdR-r2-00011283.fit Skyline Flux at 7343,0
Flux (7343.0)/Airmass
RED = sky fiber
Dispersion = 2.54 %
Fiber number
Flux (7343.0)/Airmass
Focal Distance [mm]
Flux (7343.0)/Airmass
Airmass

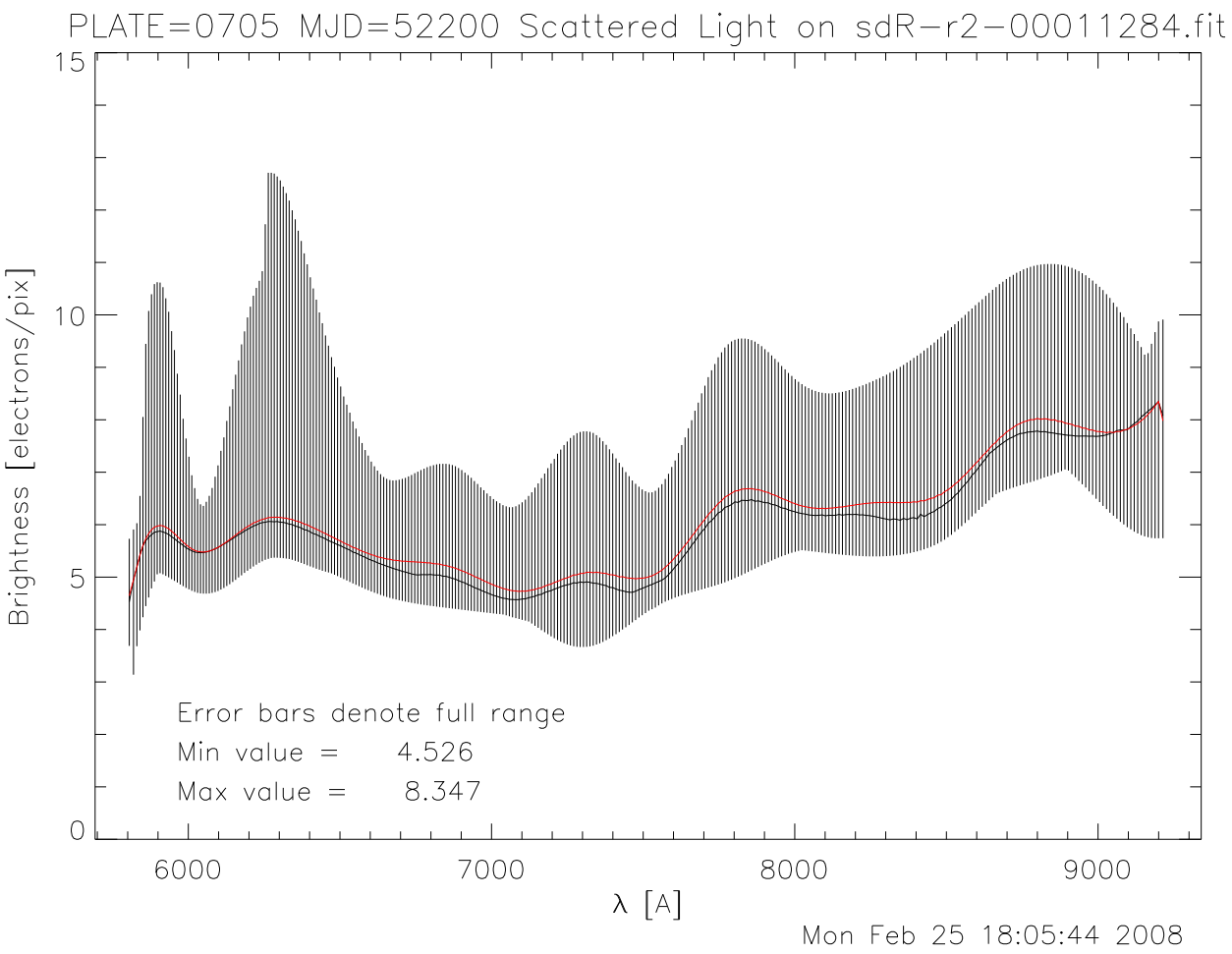

PLATE=0705 MJD=52200 sdR-r2-00011283.fit Skyline Flux at 8888.3
Flux (8888.3)/Airmass
RED = sky fiber
Dispersion = 2.22 %
Fiber number
Focal Distance [mm]
Airmass

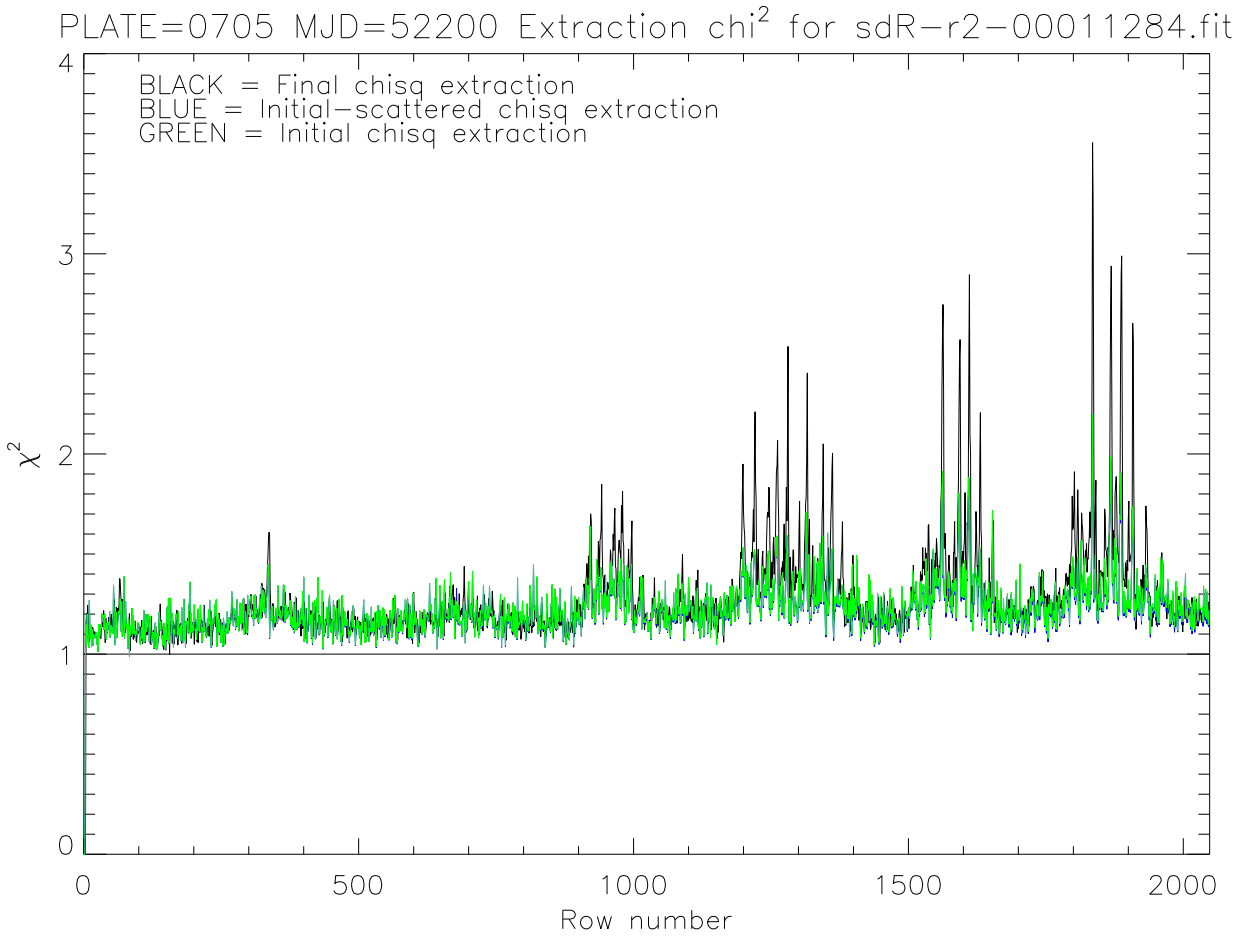

PLATE=0705 MJD=52200 Fiber−Flats for sdR−r2−00011286.fit
BLACK = Median value
ENVELOPE = 1% to 99% range
GREEN = Outlier points
Min value = 0.596
Max value = 1.251
Fiber−Flat
1.5
1.0
0.5
0.0
6000
6500
7000
7500
8000
8500
9000
λ [A]
Mon Feb 25 18:02:33 2008

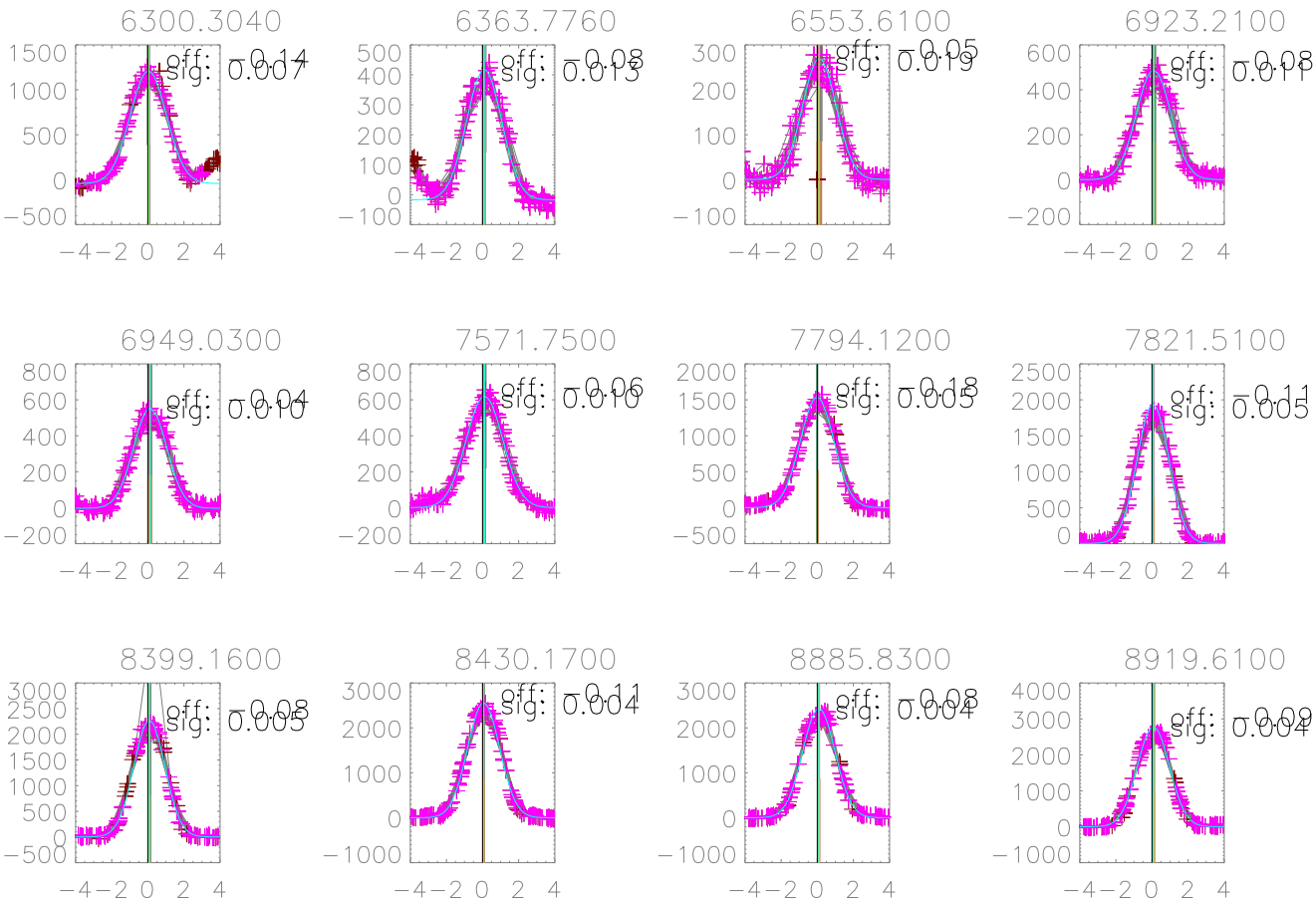

PLATE=0705 MJD=52200 Scattered Light before halo removal on sdR-r2-00011284.fi
22.3
22.3
22.3
15.9
15.9
9.5
9.5
9.5
2000
1500
1000
500
0
Y [pix]
0
500
1000
1500
2000
X [pix]

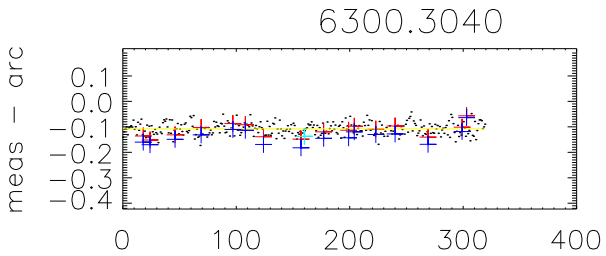

PLATE=0705 MJD=52200 Scattered Light before halo removal on sdR-r2-00011284.fi
Brightness [electrons/pix]
λ [A]
Error bars denote full range
Min value = 4.612
Max value = 25.145
Mon Feb 25 18:03:18 2008

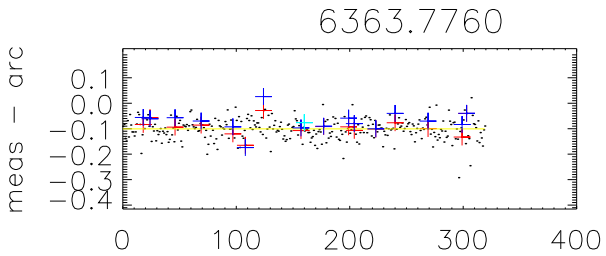

PLATE=0705 MJD=52200 Scattered Light on sdR-r2-00011284.fit
Y [pix]
X [pix]
0
500
1000
1500
2000
7.5
5.3
1.5

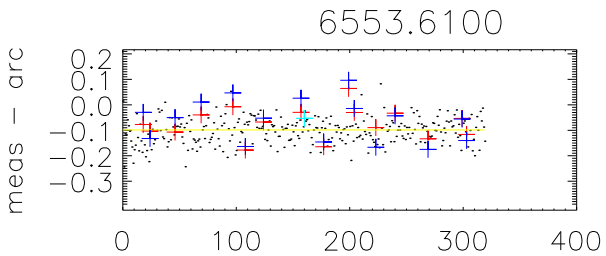

PLATE=0705 MJD=52200 Scattered Light on sdR-r2-00011284.fit
Brightness [electrons/pix]
15
10
5
0
6000
7000
8000
9000
λ [A]
Error bars denote full range
Min value = 4.526
Max value = 8.347
Mon Feb 25 18:05:44 2008

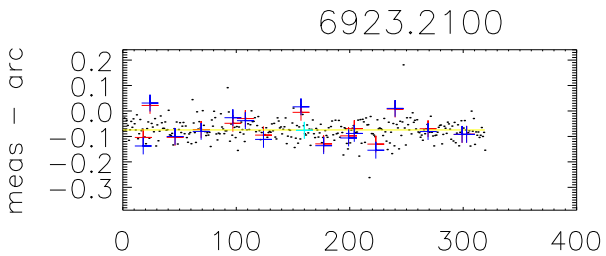

PLATE=0705 MJD=52200 Extraction chi$^2$ for sdR-r2-00011284.fit
BLACK = Final chisq extraction
BLUE = Initial-scattered chisq extraction
GREEN = Initial chisq extraction
$\chi^2$
0
1
2
3
4
0
500
1000
1500
2000
Row number

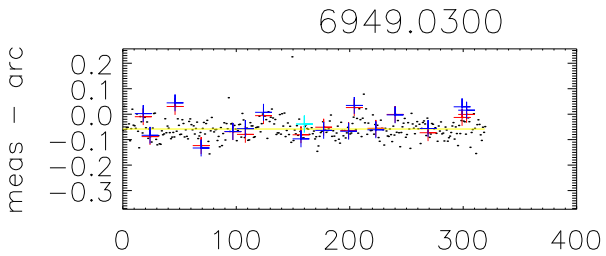

6300.3040
off: −0.14
sig: 0.007
6363.7760
off: −0.08
sig: 0.013
6553.6100
off: −0.05
sig: 0.019
6923.2100
off: −0.08
sig: 0.011
6949.0300
off: −0.04
sig: 0.010
7571.7500
off: −0.06
sig: 0.010
7794.1200
off: −0.18
sig: 0.005
7821.5100
off: −0.11
sig: 0.005
8399.1600
off: −0.08
sig: 0.005
8430.1700
off: −0.11
sig: 0.004
8885.8300
off: −0.08
sig: 0.004
8919.6100
off: −0.09
sig: 0.004

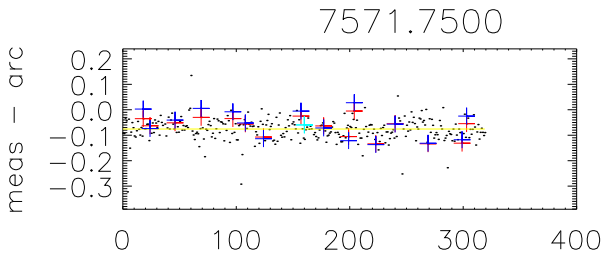

6300.3040
meas − arc
0.1
0.0
−0.1
−0.2
−0.3
−0.4
0
100
200
300
400

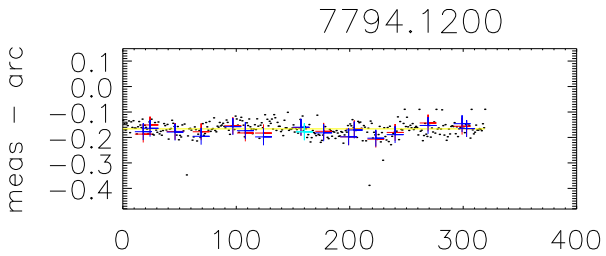

6363.7760
meas − arc
0.1
0.0
−0.1
−0.2
−0.3
−0.4
0
100
200
300
400

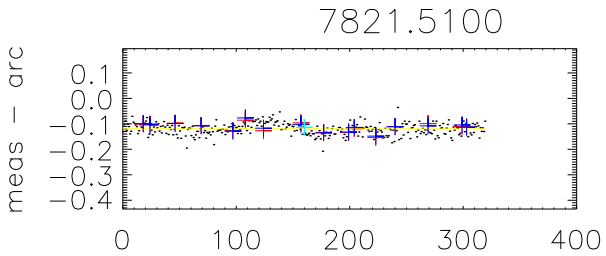

6553.6100
meas − arc
0.2
0.1
0.0
−0.1
−0.2
−0.3
0
100
200
300
400

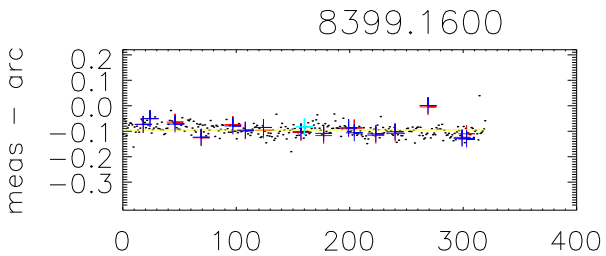

6923.2100
meas − arc
0.2
0.1
0.0
−0.1
−0.2
−0.3
0
100
200
300
400

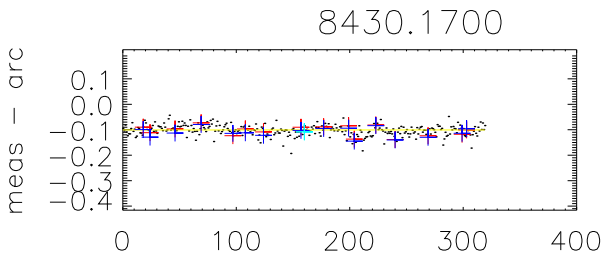

6949.0300
meas − arc
0.2
0.1
0.0
−0.1
−0.2
−0.3
0
100
200
300
400

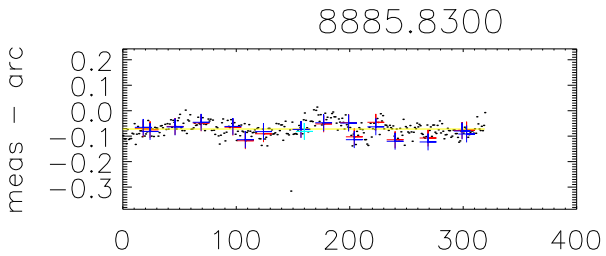

7571.7500
meas − arc
0.2
0.1
0.0
−0.1
−0.2
−0.3
0
100
200
300
400

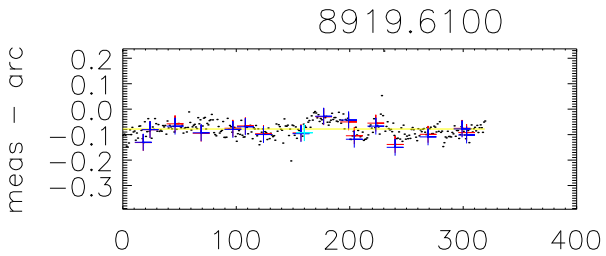

7794.1200
meas − arc
0.1
0.0
−0.1
−0.2
−0.3
−0.4
0
100
200
300
400

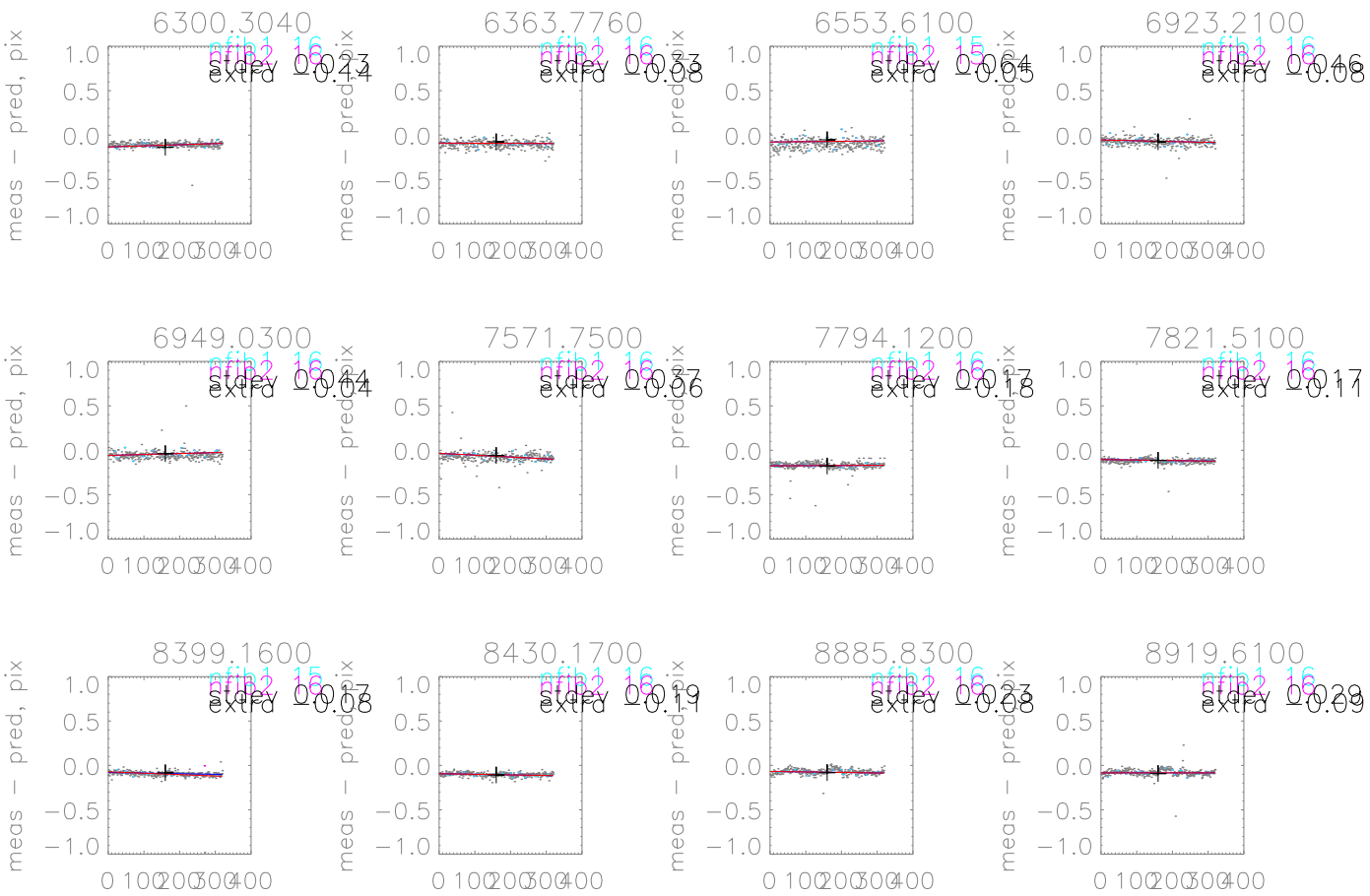

7821.5100
meas − arc
0.1
0.0
−0.1
−0.2
−0.3
−0.4
0
100
200
300
400

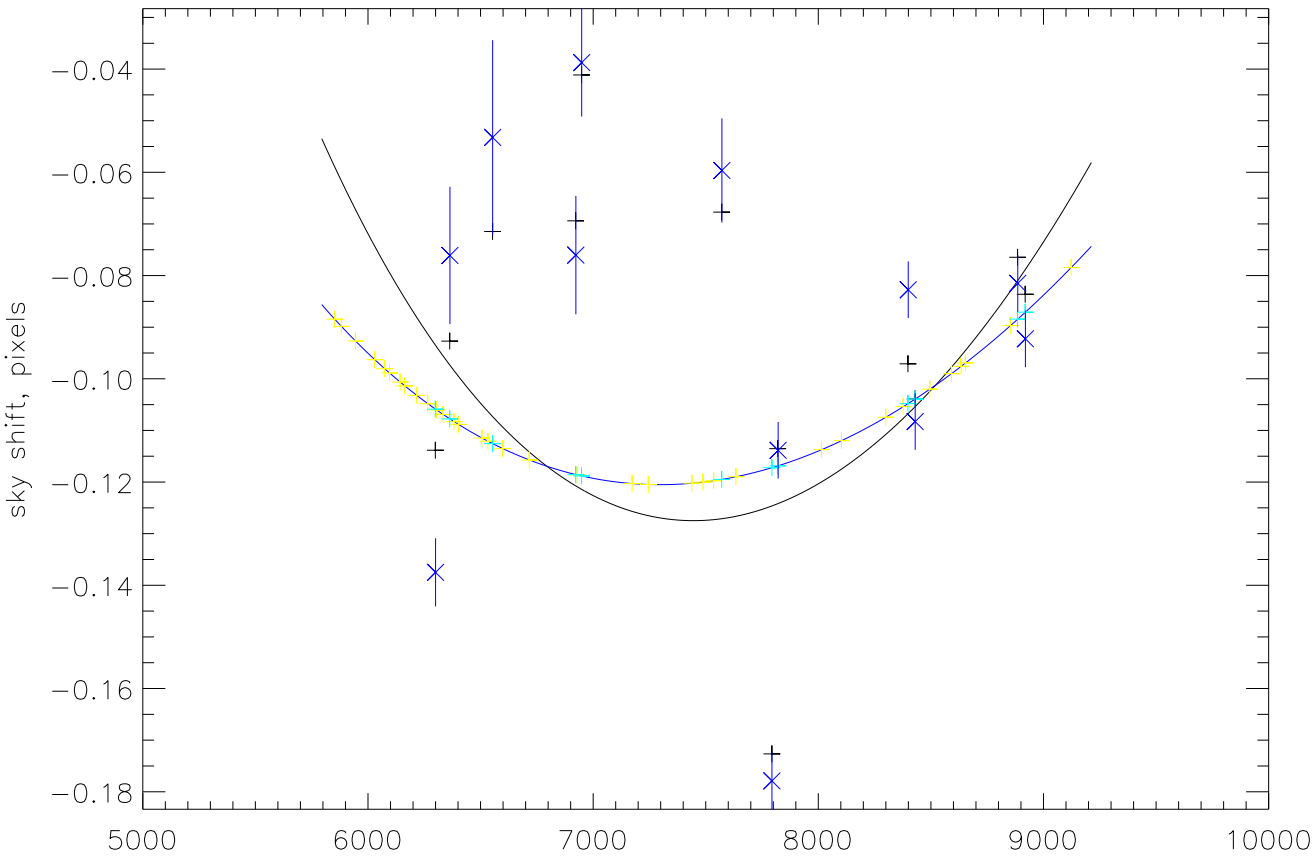

8399.1600
meas − arc
0.2
0.1
0.0
−0.1
−0.2
−0.3
0
100
200
300
400


8430.1700
meas − arc
0.1
0.0
−0.1
−0.2
−0.3
−0.4
0
100
200
300
400

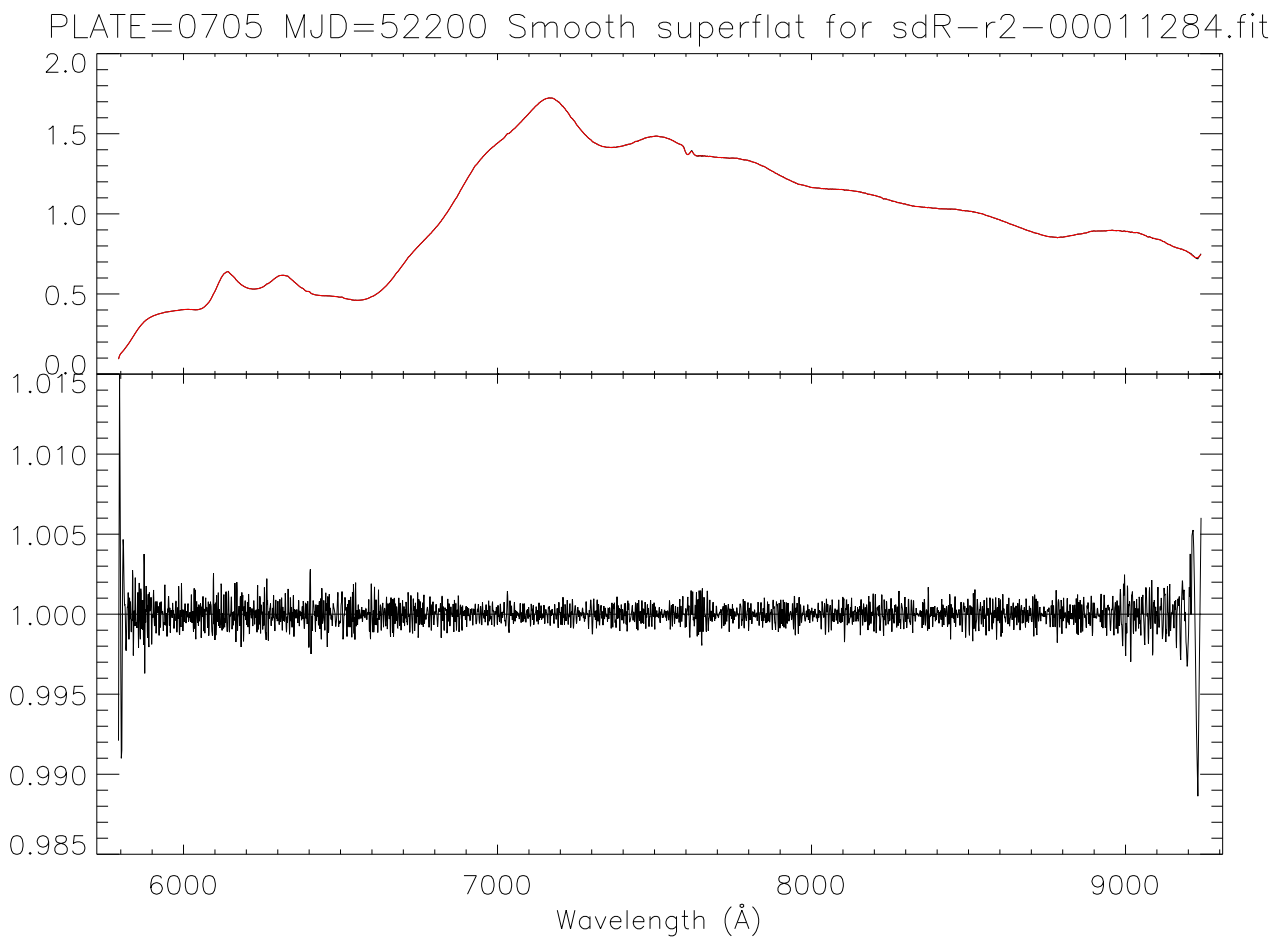

8885.8300
meas − arc
0.2
0.1
0.0
−0.1
−0.2
−0.3
0
100
200
300
400

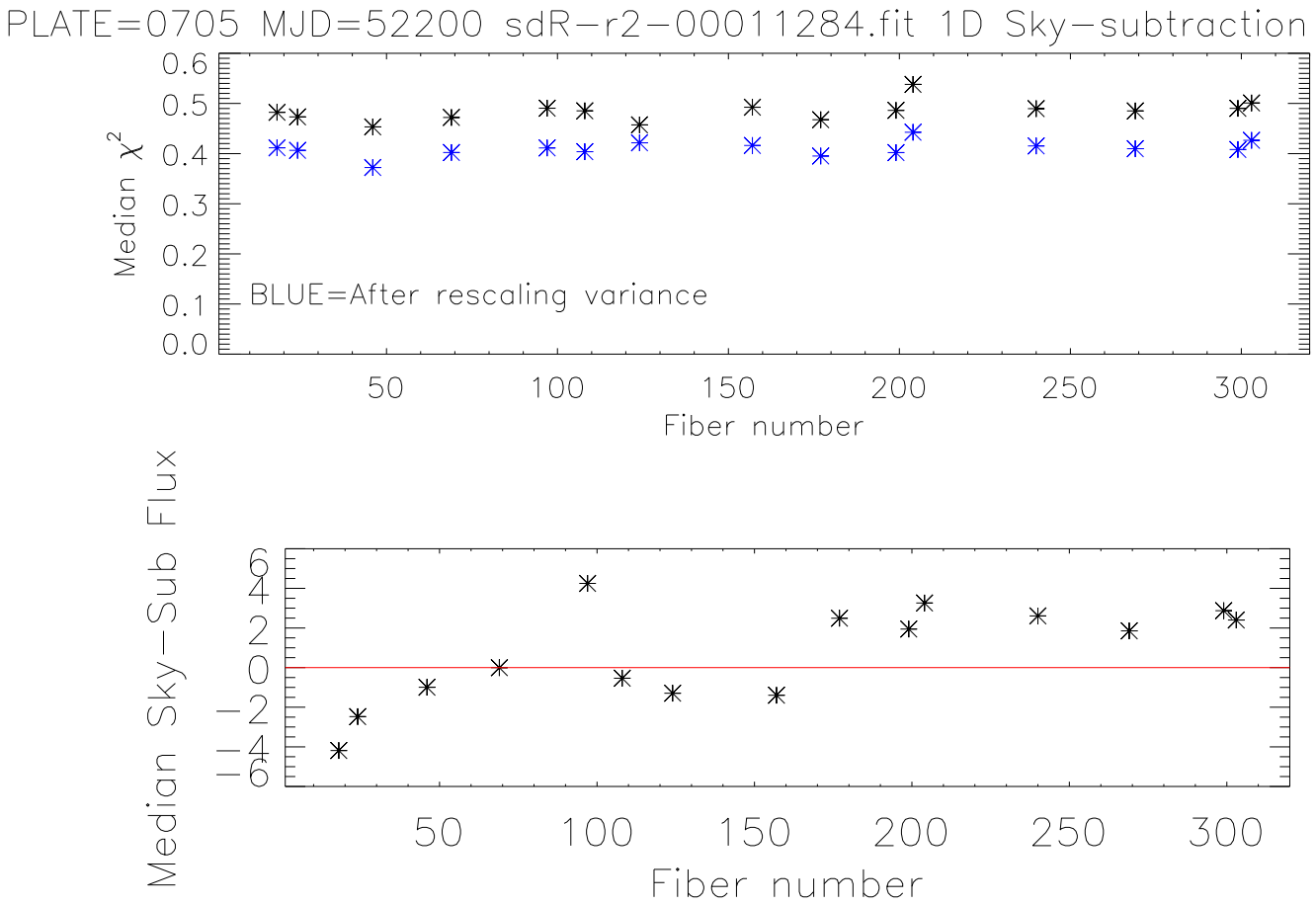

8919.6100
meas − arc
0.2
0.1
0.0
−0.1
−0.2
−0.3
0
100
200
300
400

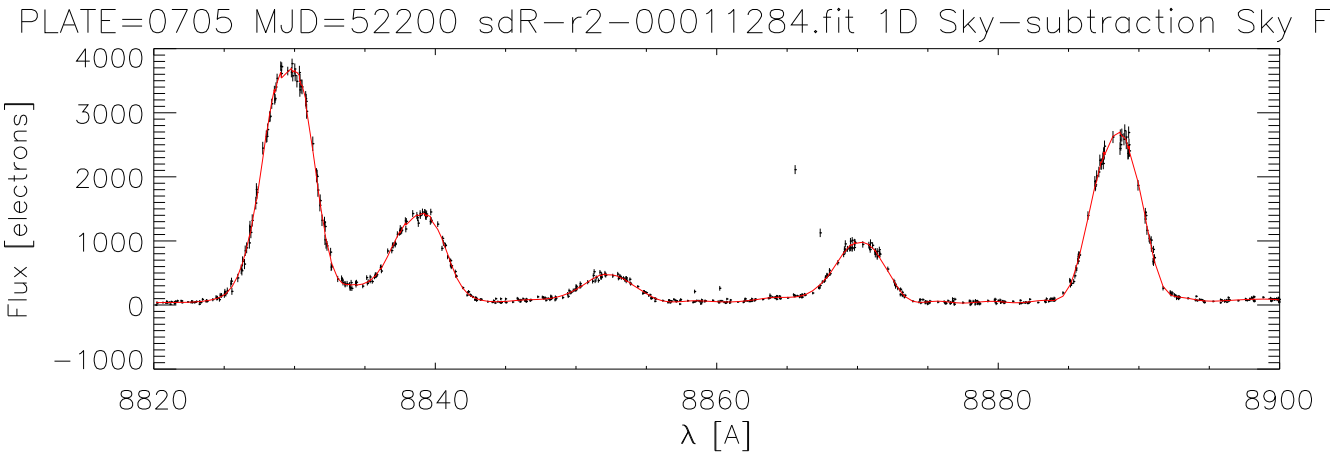

6300.3040
stdev 0.023
extra 0.044
6363.7760
stdev 0.033
extra 0.08
6553.6100
stdev 0.064
extra 0.05
6923.2100
stdev 0.046
extra 0.08
6949.0300
stdev 0.044
extra 0.04
7571.7500
stdev 0.037
extra 0.06
7794.1200
stdev 0.017
extra 0.18
7821.5100
stdev 0.017
extra 0.11
8399.1600
stdev 0.017
extra 0.08
8430.1700
stdev 0.019
extra 0.11
8885.8300
stdev 0.023
extra 0.08
8919.6100
stdev 0.029
extra 0.09
meas − pred, pix

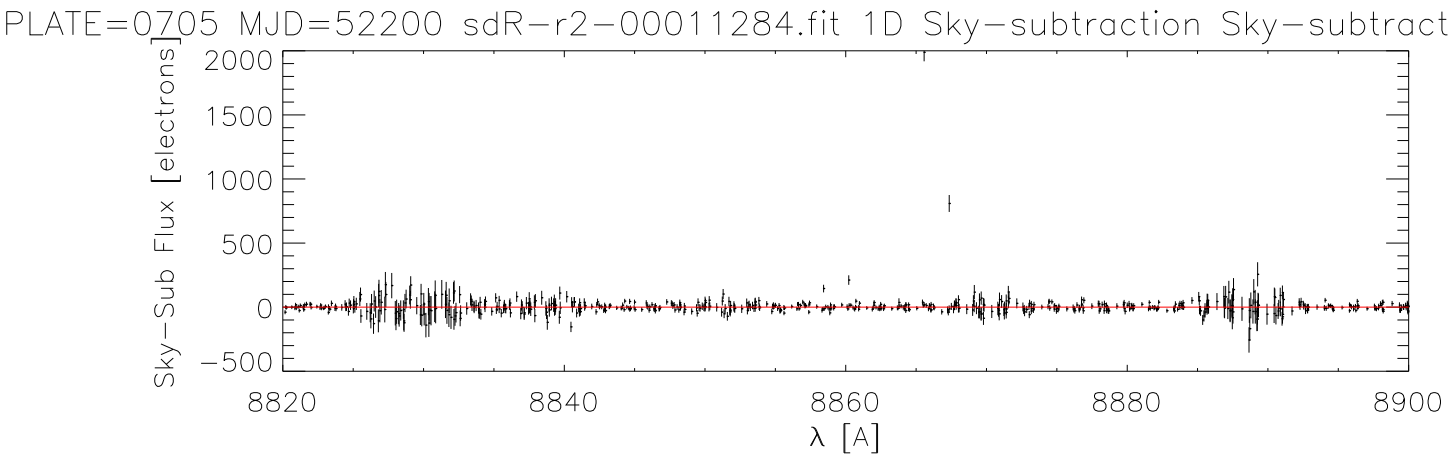

sky shift, pixels
−0.04
−0.06
−0.08
−0.10
−0.12
−0.14
−0.16
−0.18
5000
6000
7000
8000
9000
10000

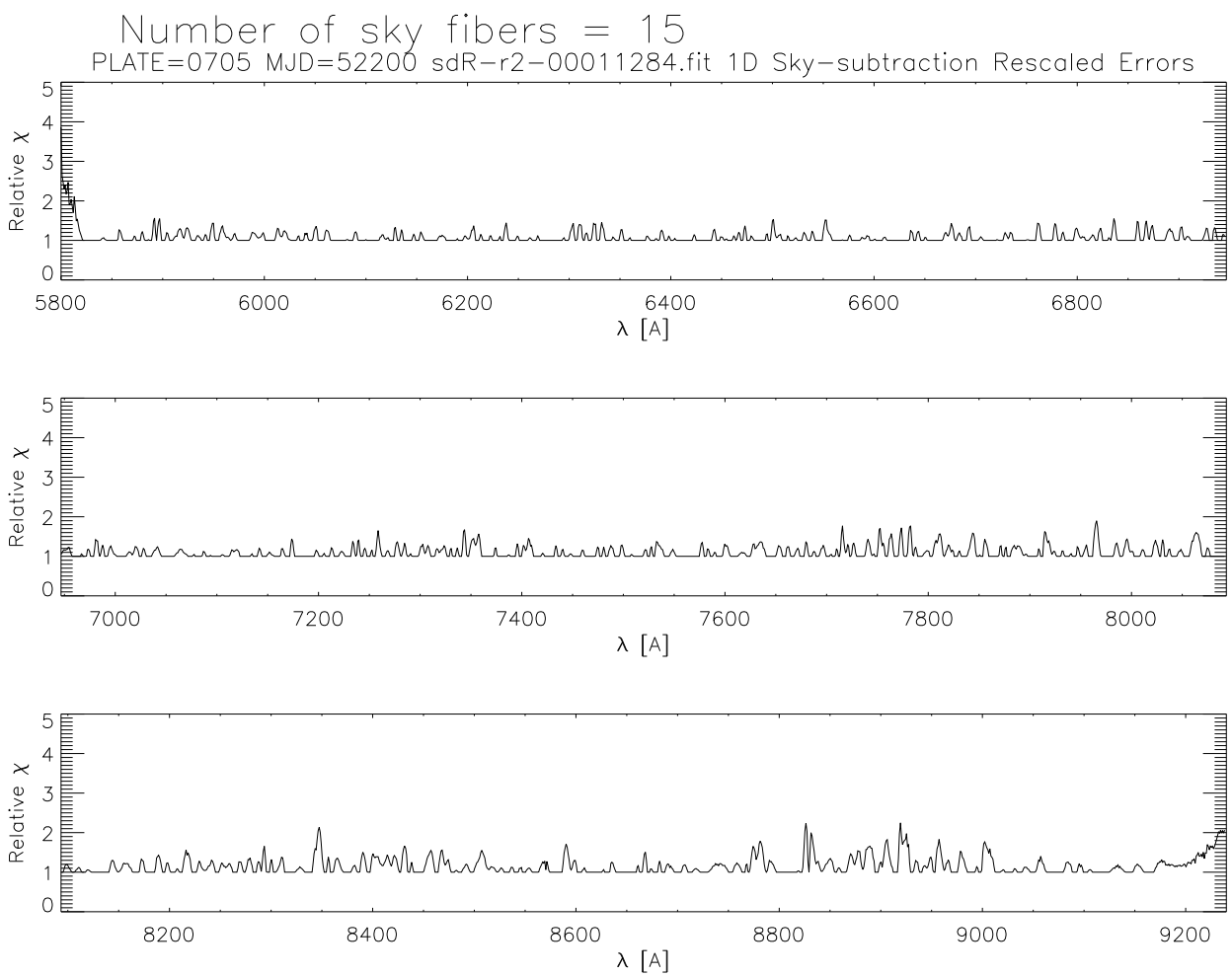
es= −0.0000

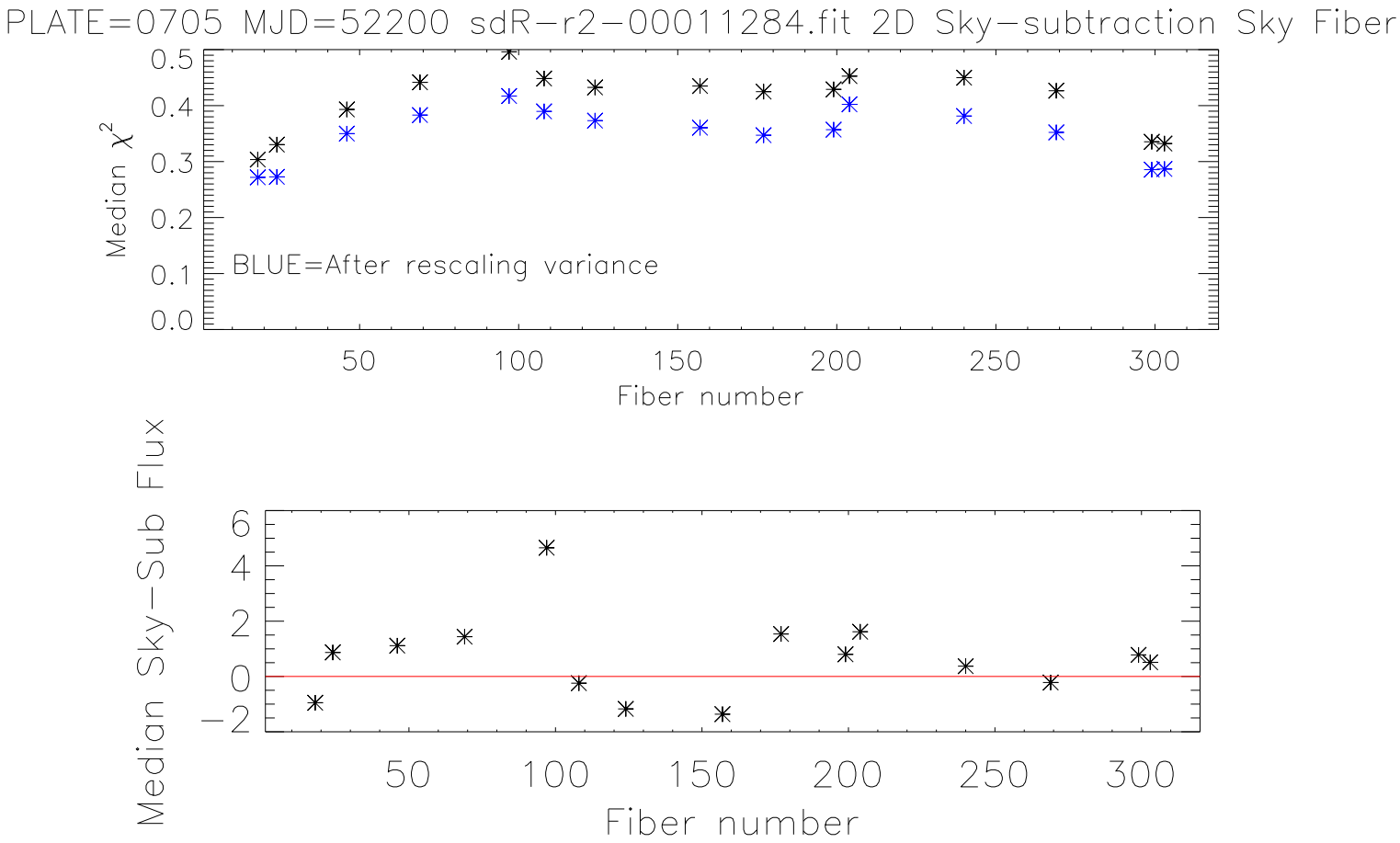

PLATE=0705 MJD=52200 Smooth superflat for sdR−r2−00011284.fit
2.0
1.5
1.0
0.5
0.0
1.015
1.010
1.005
1.000
0.995
0.990
0.985
6000
7000
8000
9000
Wavelength (Å)

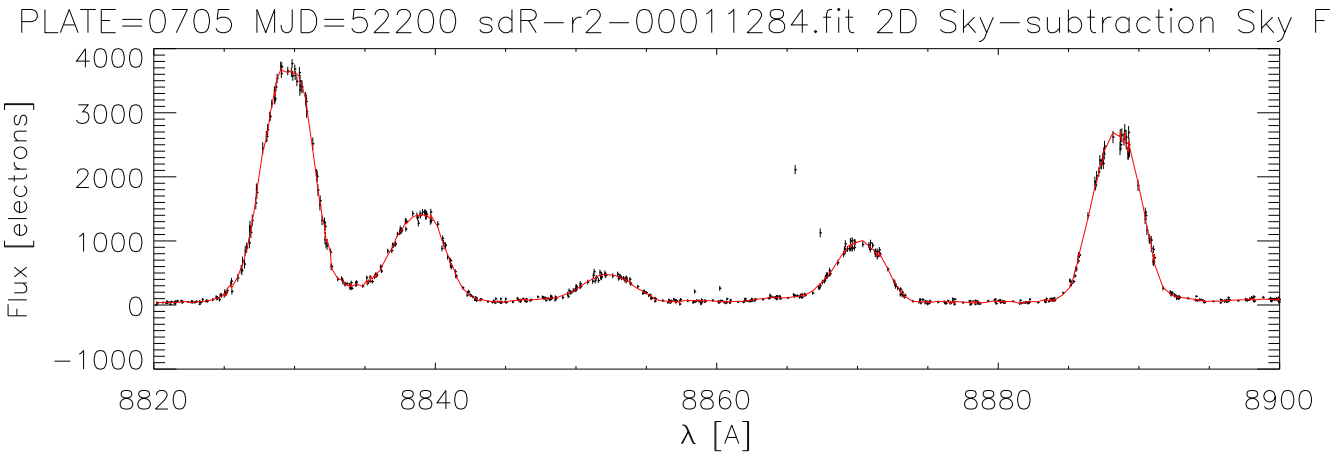

PLATE=0705 MJD=52200 sdR-r2-00011284.fit 1D Sky-subtraction Sky Fibers
Median $\chi^2$
BLUE=After rescaling variance
Fiber number
Median Sky-Sub Flux
Fiber number

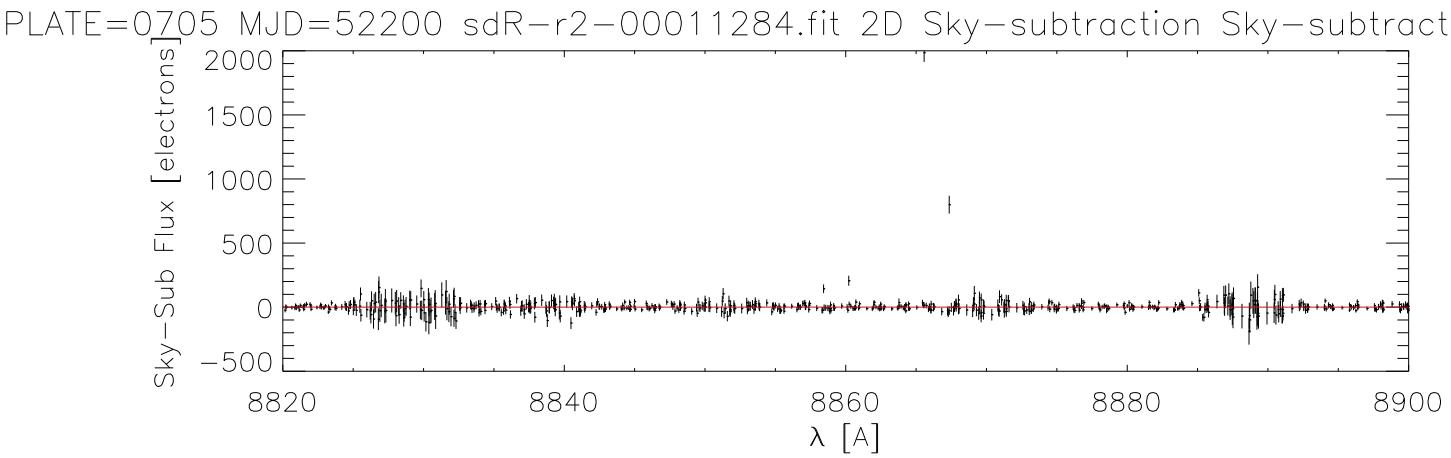

PLATE=0705 MJD=52200 sdR-r2-00011284.fit 1D Sky-subtraction Sky Fibers
Flux [electrons]
4000
3000
2000
1000
0
−1000
8820
8840
8860
8880
8900
λ [A]

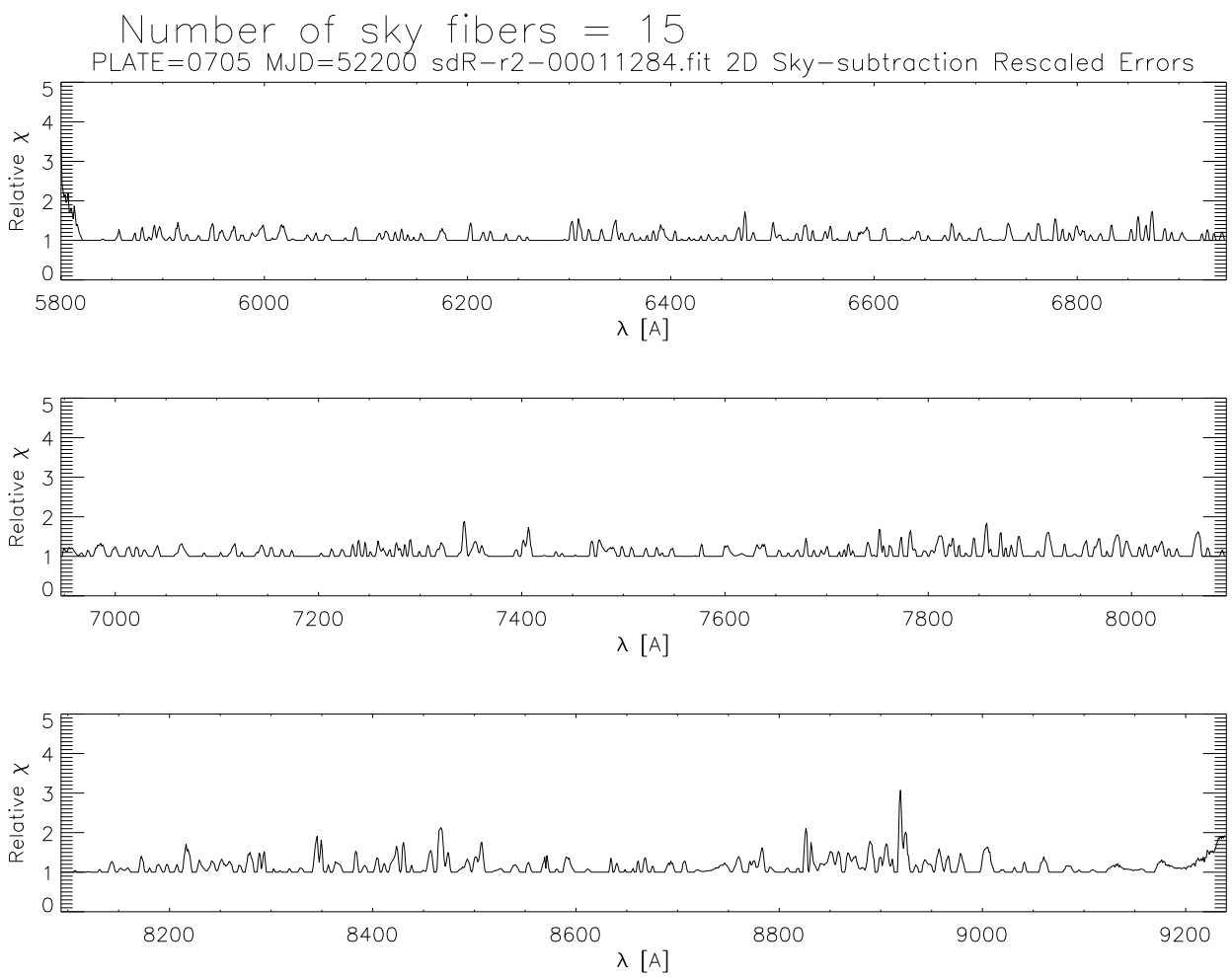

PLATE=0705 MJD=52200 sdR-r2-00011284.fit 1D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
2000
1500
1000
500
0
−500
8820
8840
8860
8880
8900
λ [A]

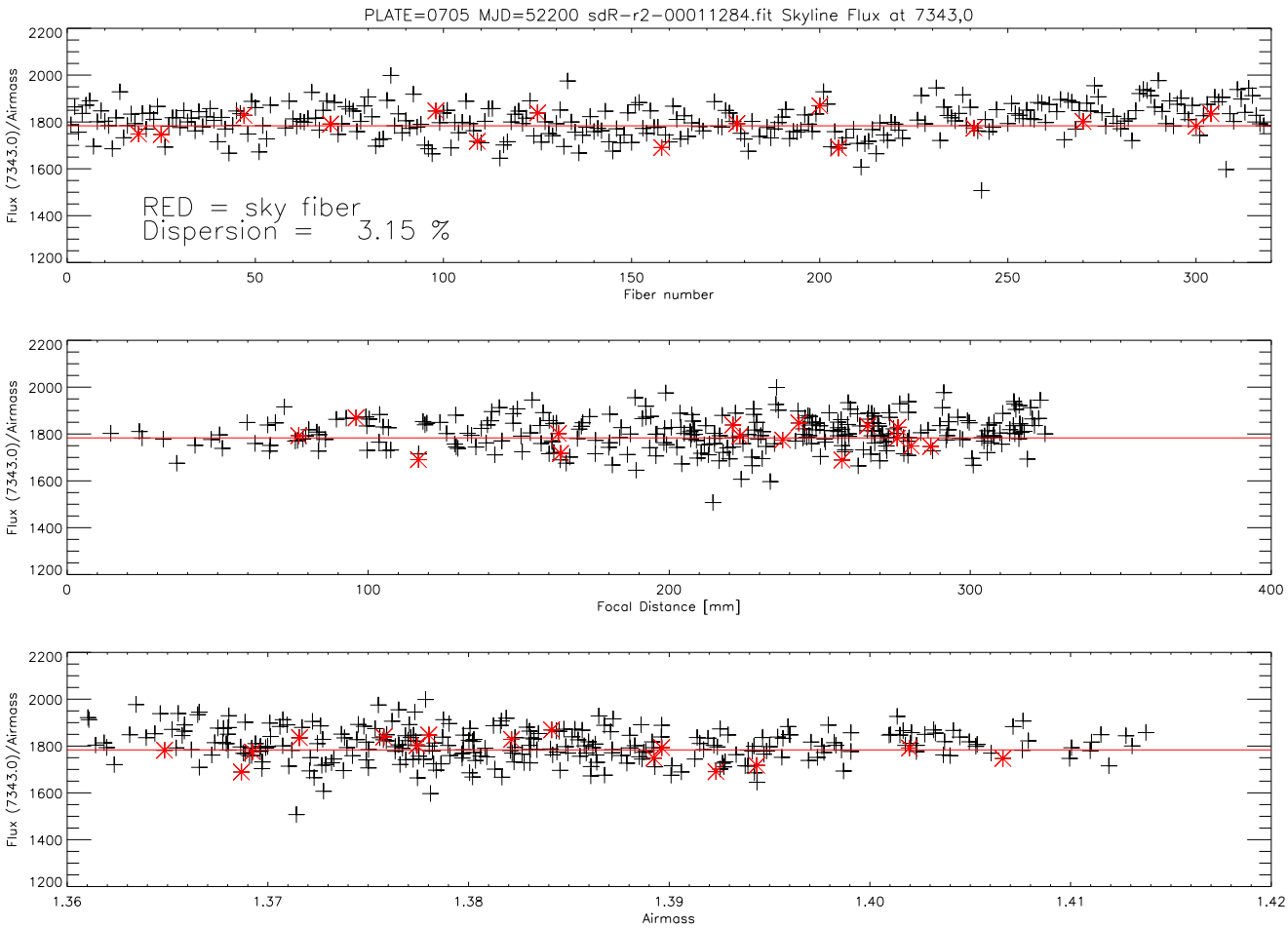

Number of sky fibers = 15
PLATE=0705 MJD=52200 sdR-r2-00011284.fit 1D Sky-subtraction Rescaled Errors
Relative χ
λ [A]
5800
6000
6200
6400
6600
6800
7000
7200
7400
7600
7800
8000
8200
8400
8600
8800
9000
9200

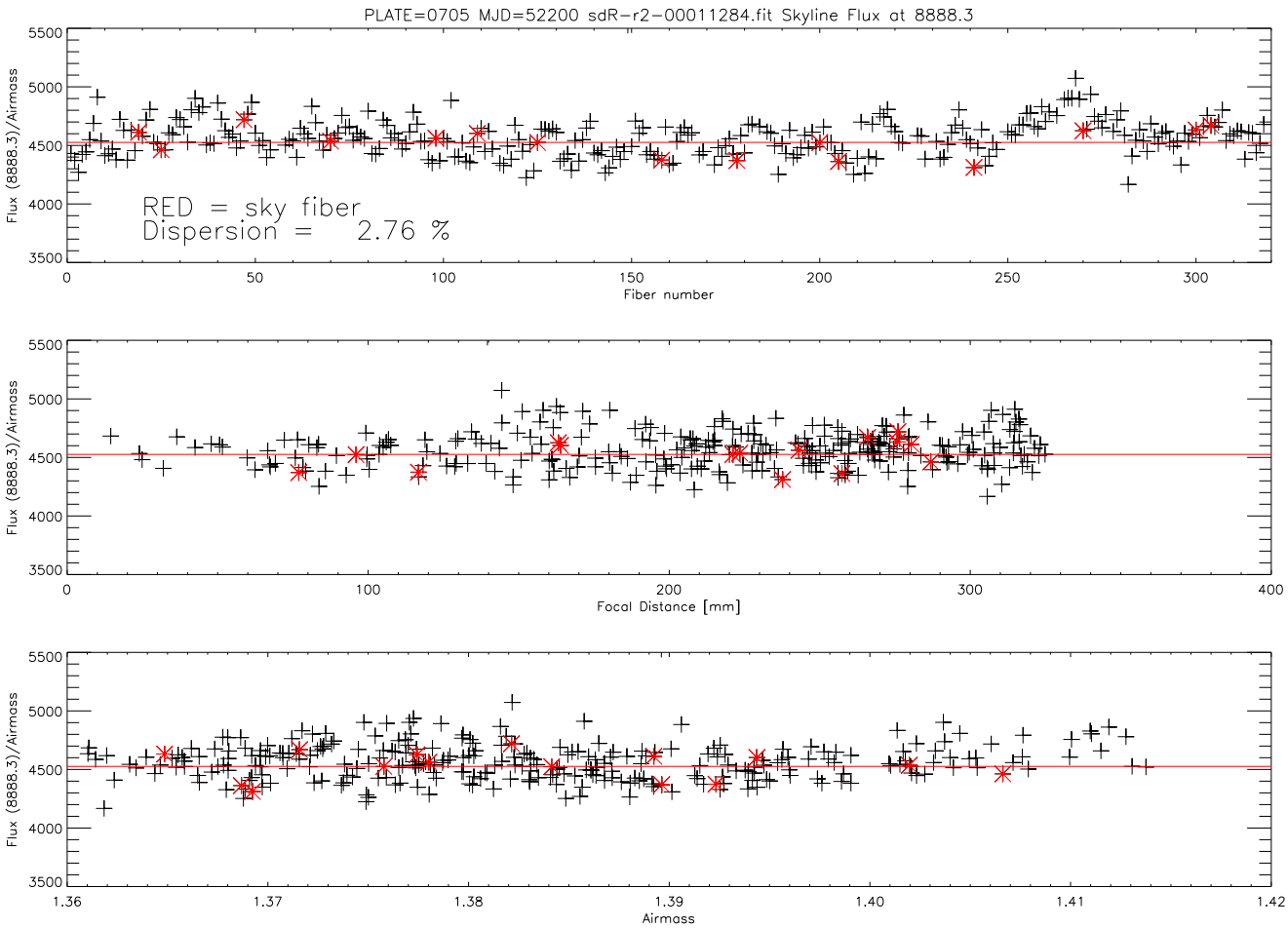

PLATE=0705 MJD=52200 sdR-r2-00011284.fit 2D Sky-subtraction Sky Fibers
Median $\chi^2$
BLUE=After rescaling variance
Fiber number
Median Sky-Sub Flux
Fiber number

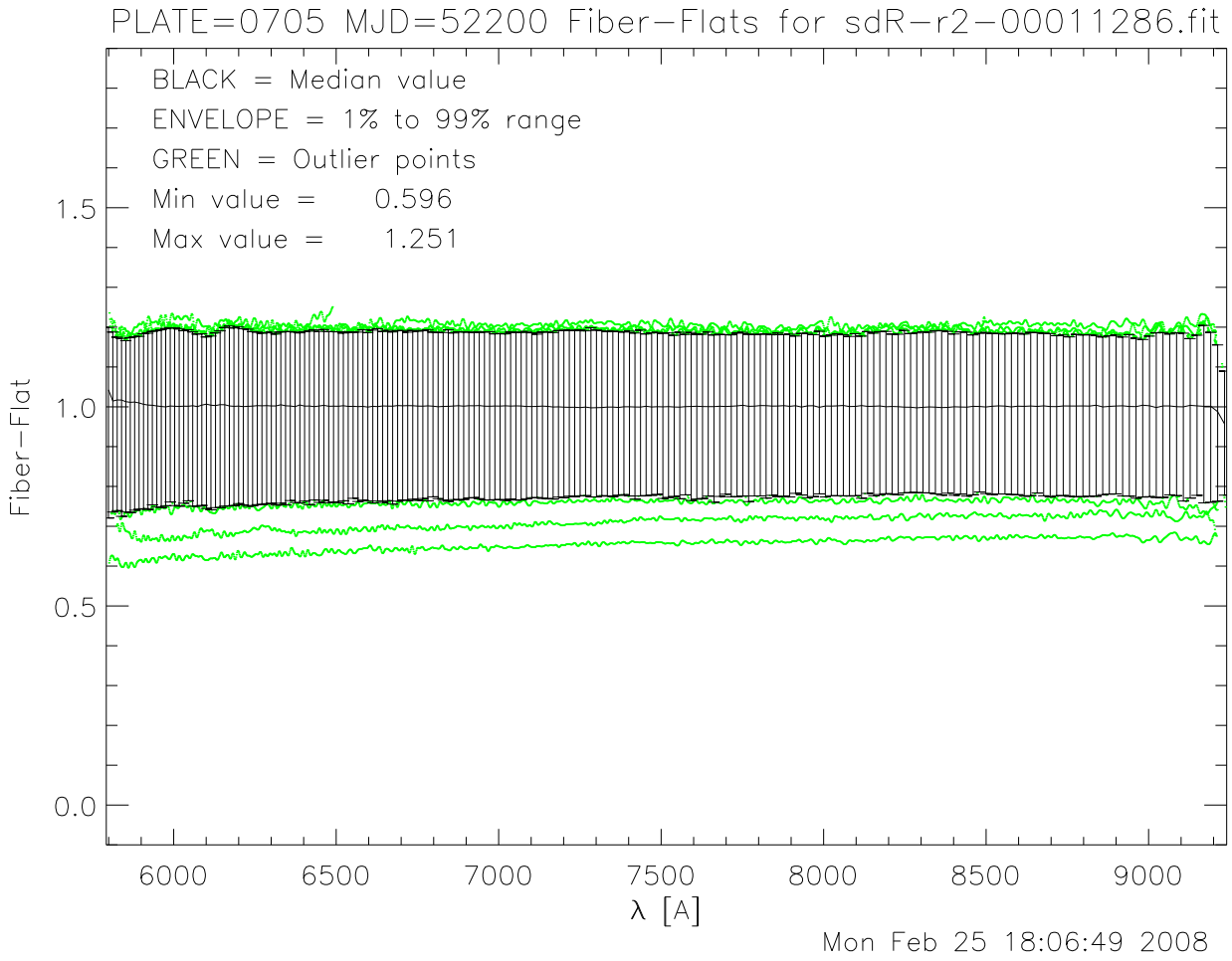

PLATE=0705 MJD=52200 sdR-r2-00011284.fit 2D Sky-subtraction Sky Fibers
Flux [electrons]
4000
3000
2000
1000
0
−1000
8820
8840
8860
8880
8900
λ [A]

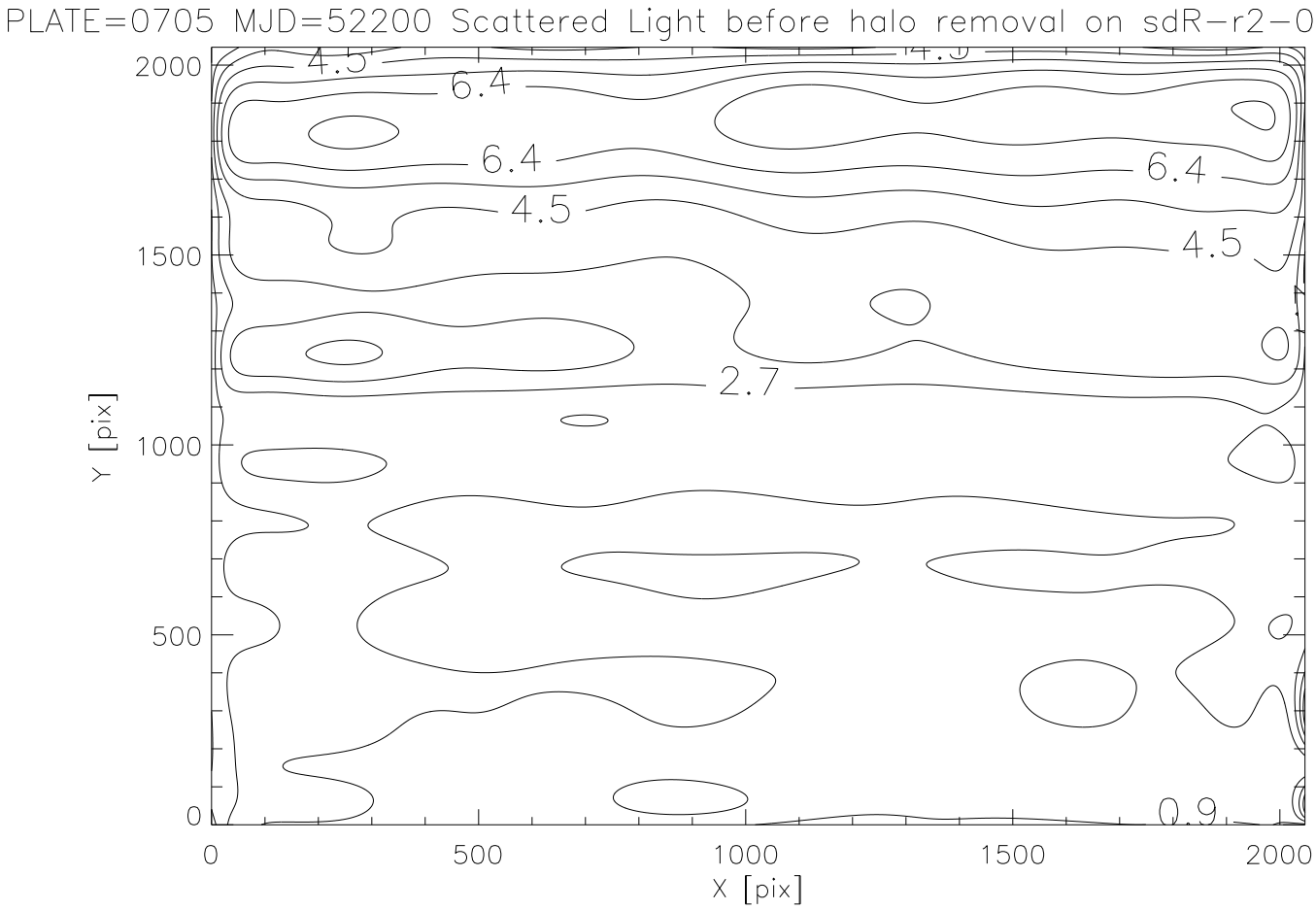

PLATE=0705 MJD=52200 sdR-r2-00011284.fit 2D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
2000
1500
1000
500
0
−500
8820
8840
8860
8880
8900
λ [A]

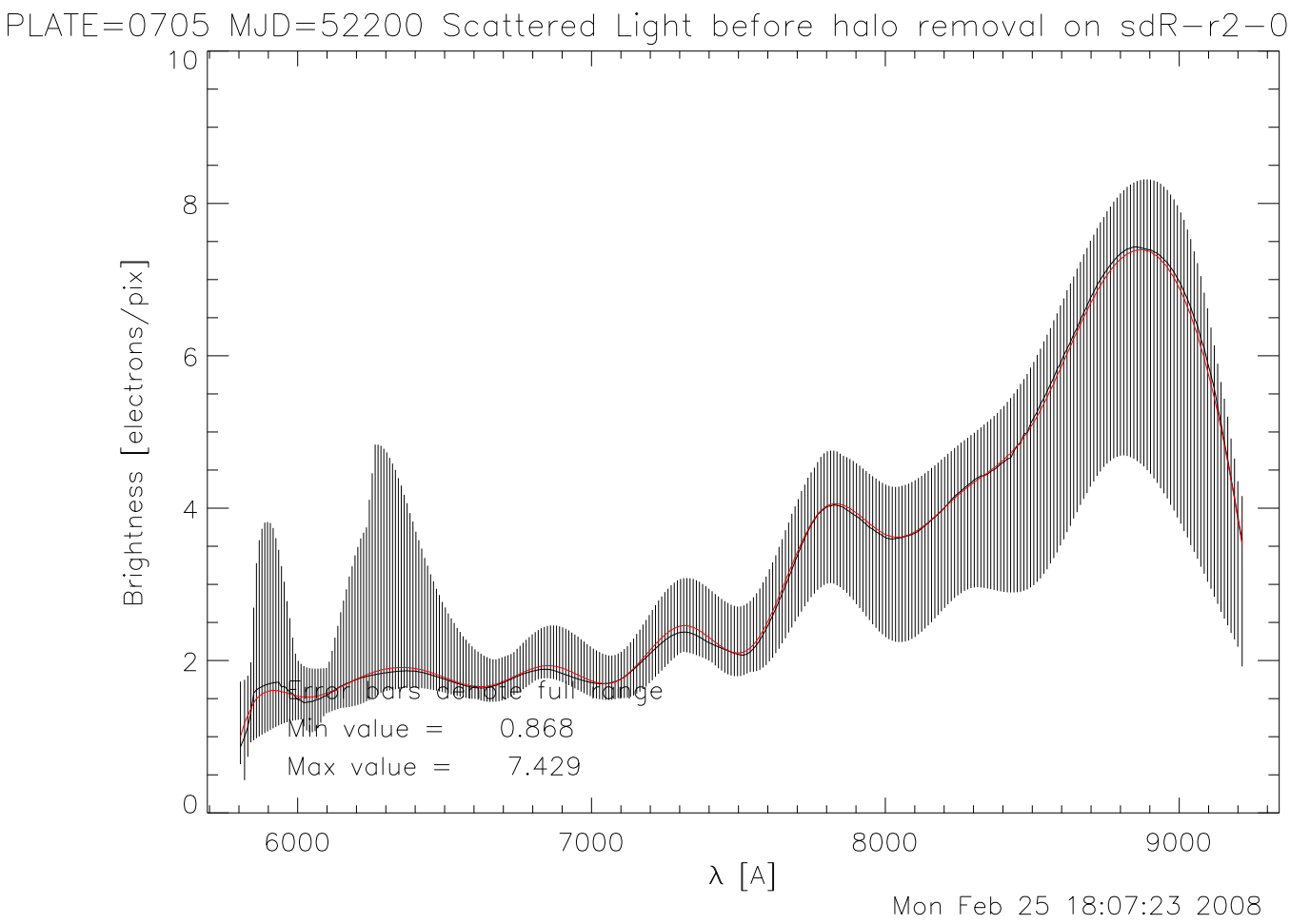

Number of sky fibers = 15
PLATE=0705 MJD=52200 sdR-r2-00011284.fit 2D Sky-subtraction Rescaled Errors
Relative χ
λ [A]
5800
6000
6200
6400
6600
6800
7000
7200
7400
7600
7800
8000
8200
8400
8600
8800
9000
9200
0
1
2
3
4
5

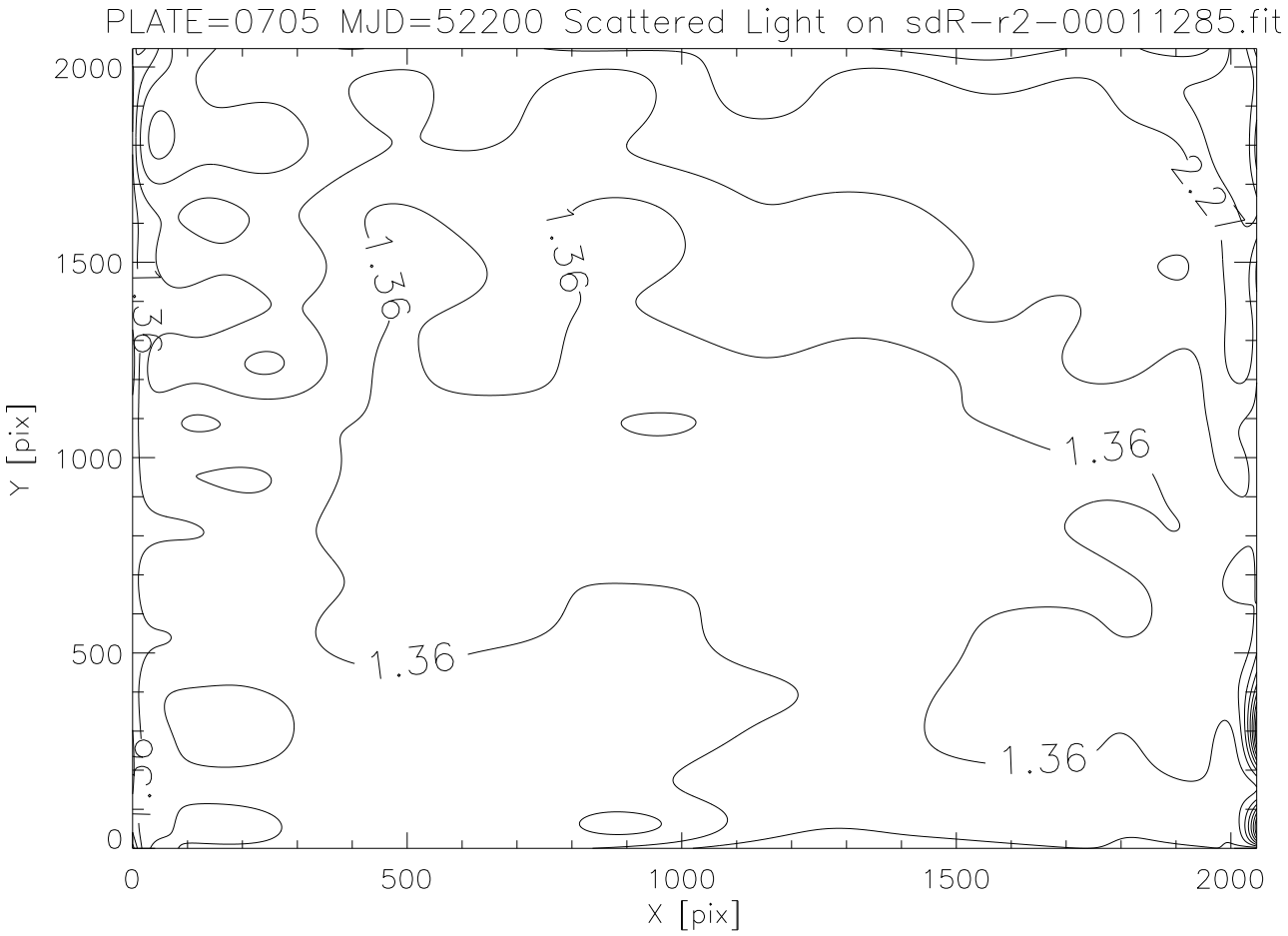

PLATE=0705 MJD=52200 sdR-r2-00011284.fit Skyline Flux at 7343,0
Flux (7343.0)/Airmass
RED = sky fiber
Dispersion = 3.15 %
Fiber number
Flux (7343.0)/Airmass
Focal Distance [mm]
Flux (7343.0)/Airmass
Airmass

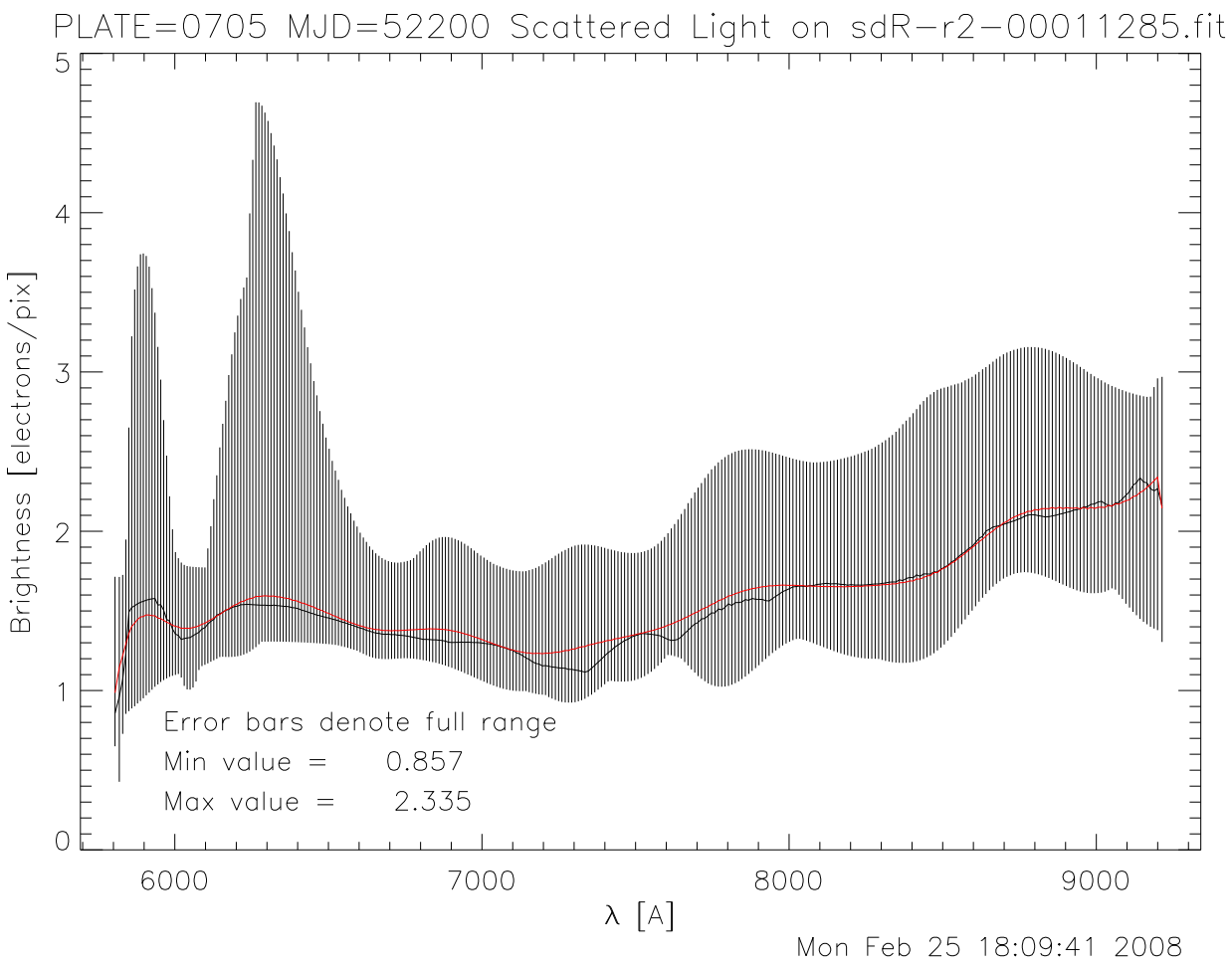

PLATE=0705 MJD=52200 sdR-r2-00011284.fit Skyline Flux at 8888.3
Flux (8888.3)/Airmass
RED = sky fiber
Dispersion = 2.76 %
Fiber number
Focal Distance [mm]
Airmass

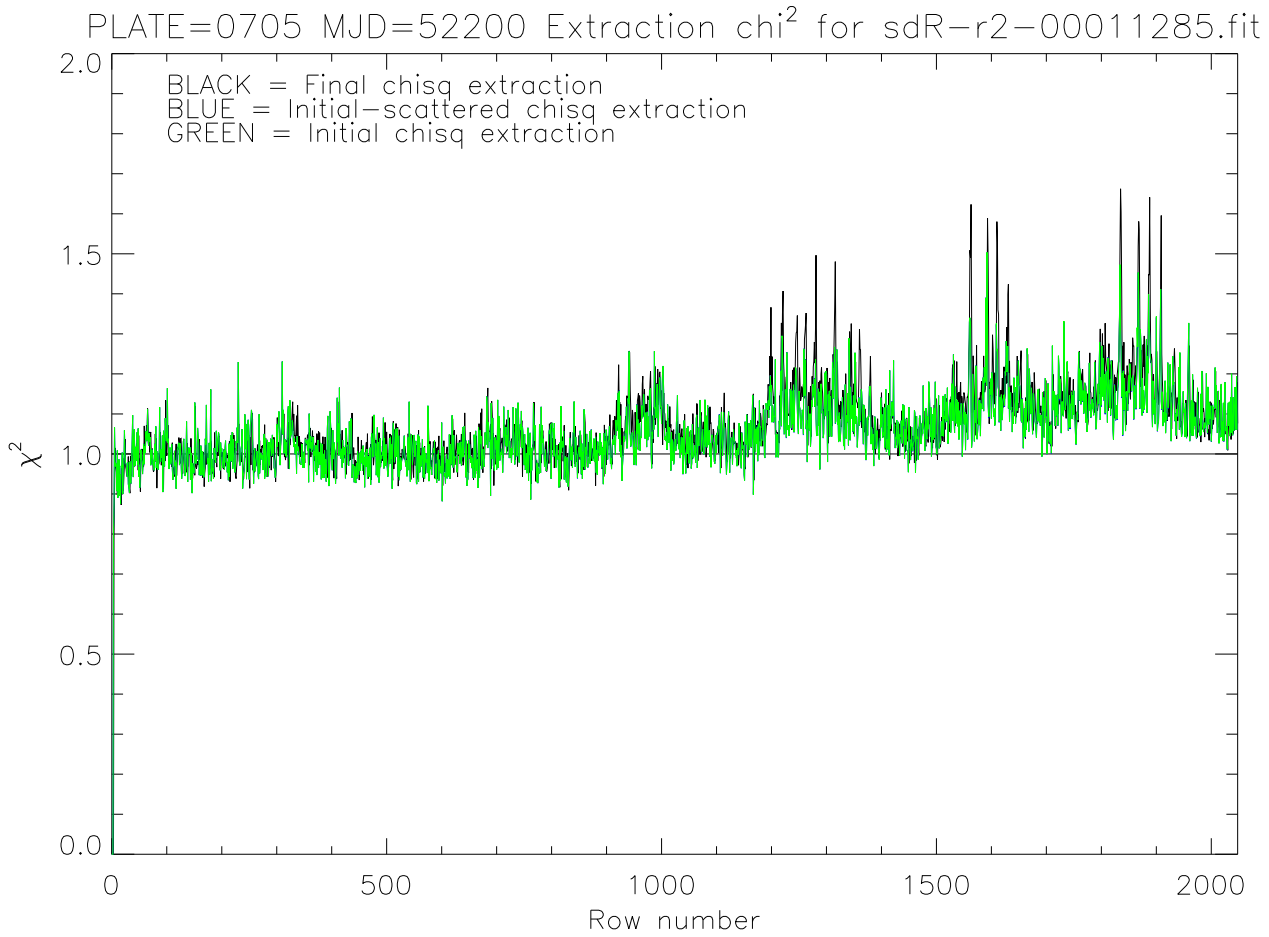

PLATE=0705 MJD=52200 Fiber−Flats for sdR−r2−00011286.fit
BLACK = Median value
ENVELOPE = 1% to 99% range
GREEN = Outlier points
Min value = 0.596
Max value = 1.251
Fiber−Flat
1.5
1.0
0.5
0.0
6000
6500
7000
7500
8000
8500
9000
λ [A]
Mon Feb 25 18:06:49 2008

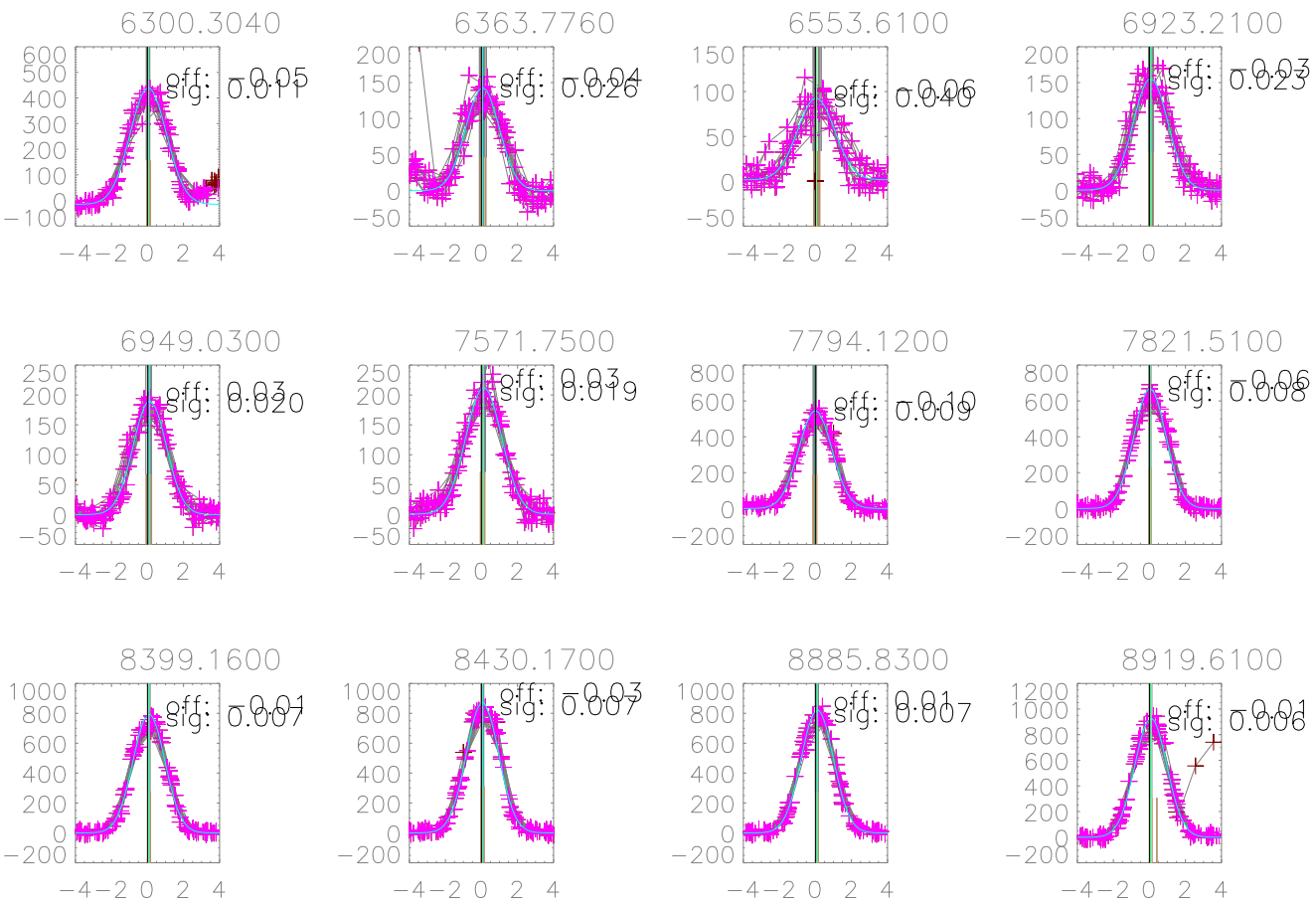

PLATE=0705 MJD=52200 Scattered Light before halo removal on sdR-r2-00011285.fi
4.5
6.4
6.4
6.4
4.5
4.5
2.7
0.9
Y [pix]
X [pix]
0
500
1000
1500
2000

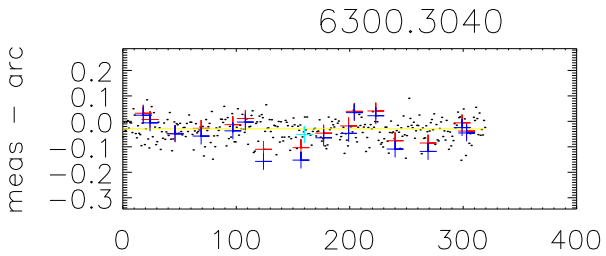

PLATE=0705 MJD=52200 Scattered Light before halo removal on sdR-r2-00011285.fi
Brightness [electrons/pix]
λ [A]
Error bars sample full range
Min value = 0.868
Max value = 7.429
Mon Feb 25 18:07:23 2008

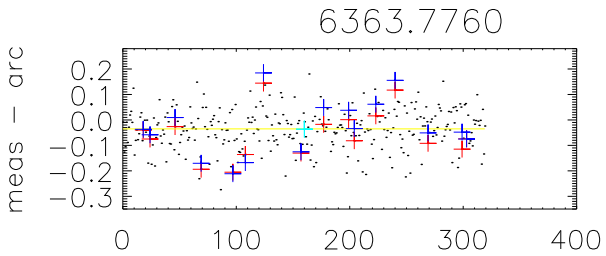

PLATE=0705 MJD=52200 Scattered Light on sdR-r2-00011285.fit
2000
1500
1000
500
0
Y [pix]
0
500
1000
1500
2000
X [pix]
1.36
1.36
1.36
1.36
1.36
2.21
0
0
0
0
0

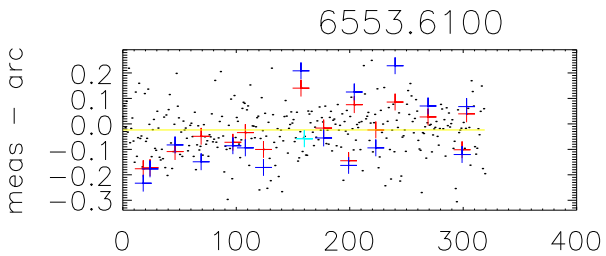

PLATE=0705 MJD=52200 Scattered Light on sdR-r2-00011285.fit
Brightness [electrons/pix]
λ [A]
Error bars denote full range
Min value = 0.857
Max value = 2.335
Mon Feb 25 18:09:41 2008

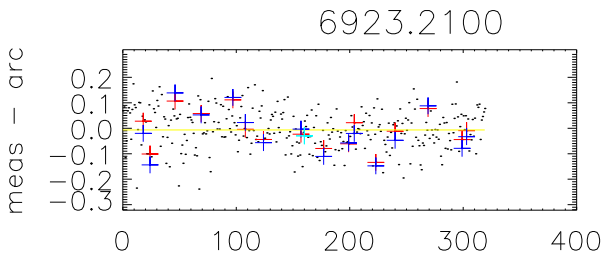

PLATE=0705 MJD=52200 Extraction chi$^2$ for sdR−r2−00011285.fit
BLACK = Final chisq extraction
BLUE = Initial−scattered chisq extraction
GREEN = Initial chisq extraction
$\chi^2$
2.0
1.5
1.0
0.5
0.0
0
500
1000
1500
2000
Row number

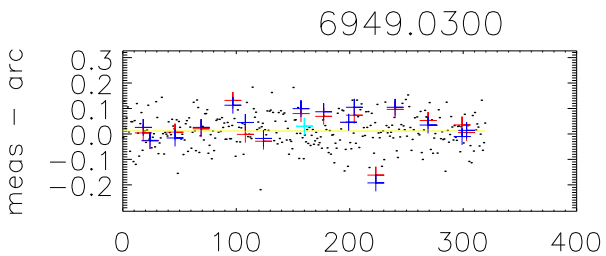

6300.3040
off: −0.05
sig: 0.011
6363.7760
off: −0.04
sig: 0.026
6553.6100
off: −0.06
sig: 0.040
6923.2100
off: −0.03
sig: 0.023
6949.0300
off: 0.03
sig: 0.020
7571.7500
off: 0.03
sig: 0.019
7794.1200
off: −0.10
sig: 0.009
7821.5100
off: −0.06
sig: 0.008
8399.1600
off: −0.01
sig: 0.007
8430.1700
off: −0.03
sig: 0.007
8885.8300
off: 0.01
sig: 0.007
8919.6100
off: −0.01
sig: 0.006

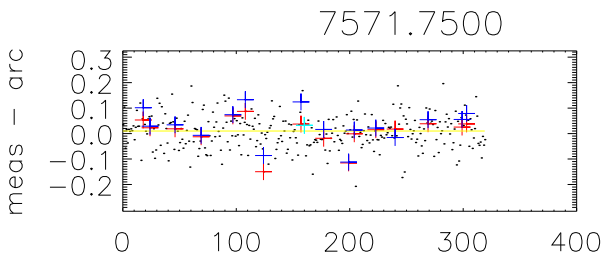

6300.3040
meas − arc
0.2
0.1
0.0
−0.1
−0.2
−0.3
0
100
200
300
400

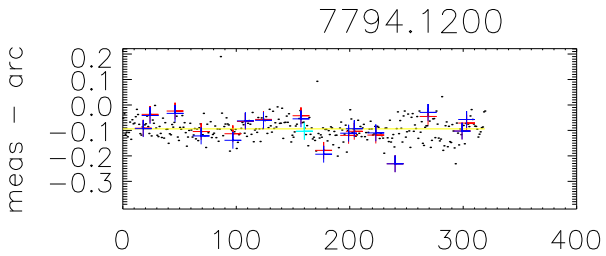

6363.7760
meas − arc
0.2
0.1
0.0
−0.1
−0.2
−0.3
0
100
200
300
400

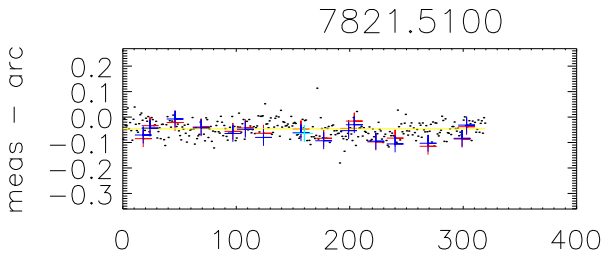

6553.6100
meas − arc
0.2
0.1
0.0
−0.1
−0.2
−0.3
0
100
200
300
400

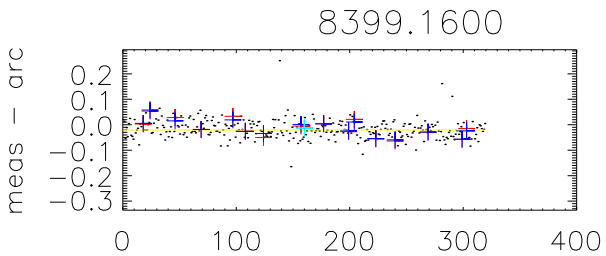

6923.2100
meas − arc
0.2
0.1
0.0
−0.1
−0.2
−0.3
0
100
200
300
400

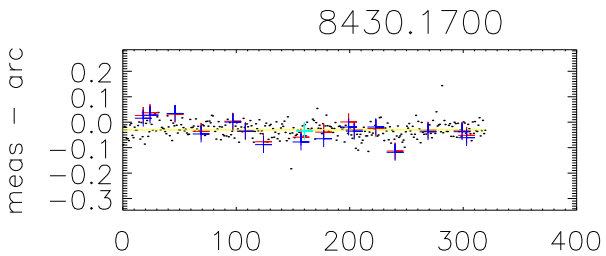

6949.0300
meas − arc
0.3
0.2
0.1
0.0
−0.1
−0.2
0
100
200
300
400

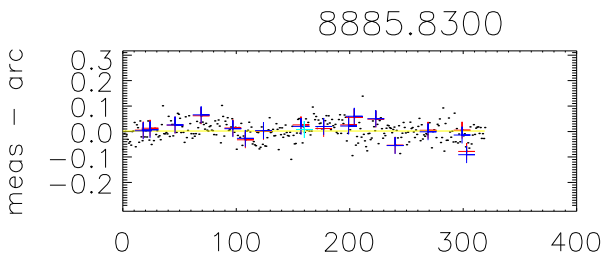

7571.7500
meas − arc
0.3
0.2
0.1
0.0
−0.1
−0.2
0
100
200
300
400

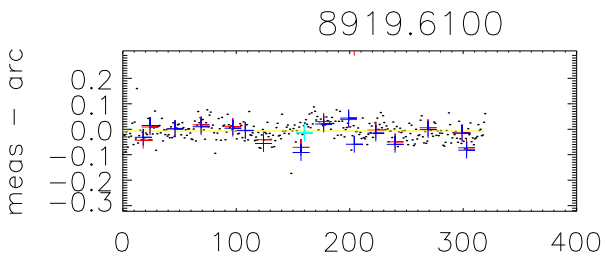

7794.1200
meas − arc
0.2
0.1
0.0
−0.1
−0.2
−0.3
0
100
200
300
400

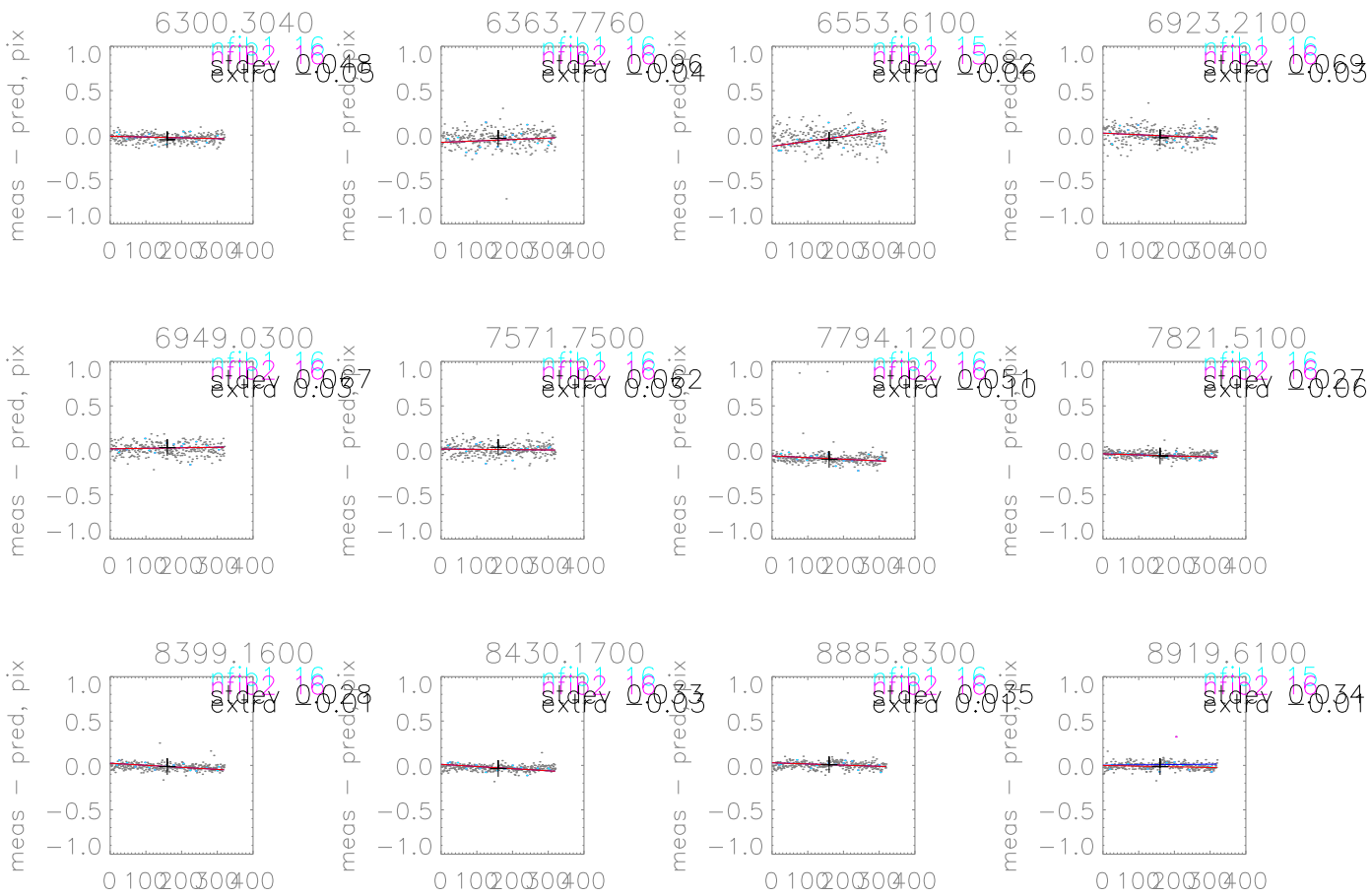

7821.5100
meas − arc
0.2
0.1
0.0
−0.1
−0.2
−0.3
0
100
200
300
400

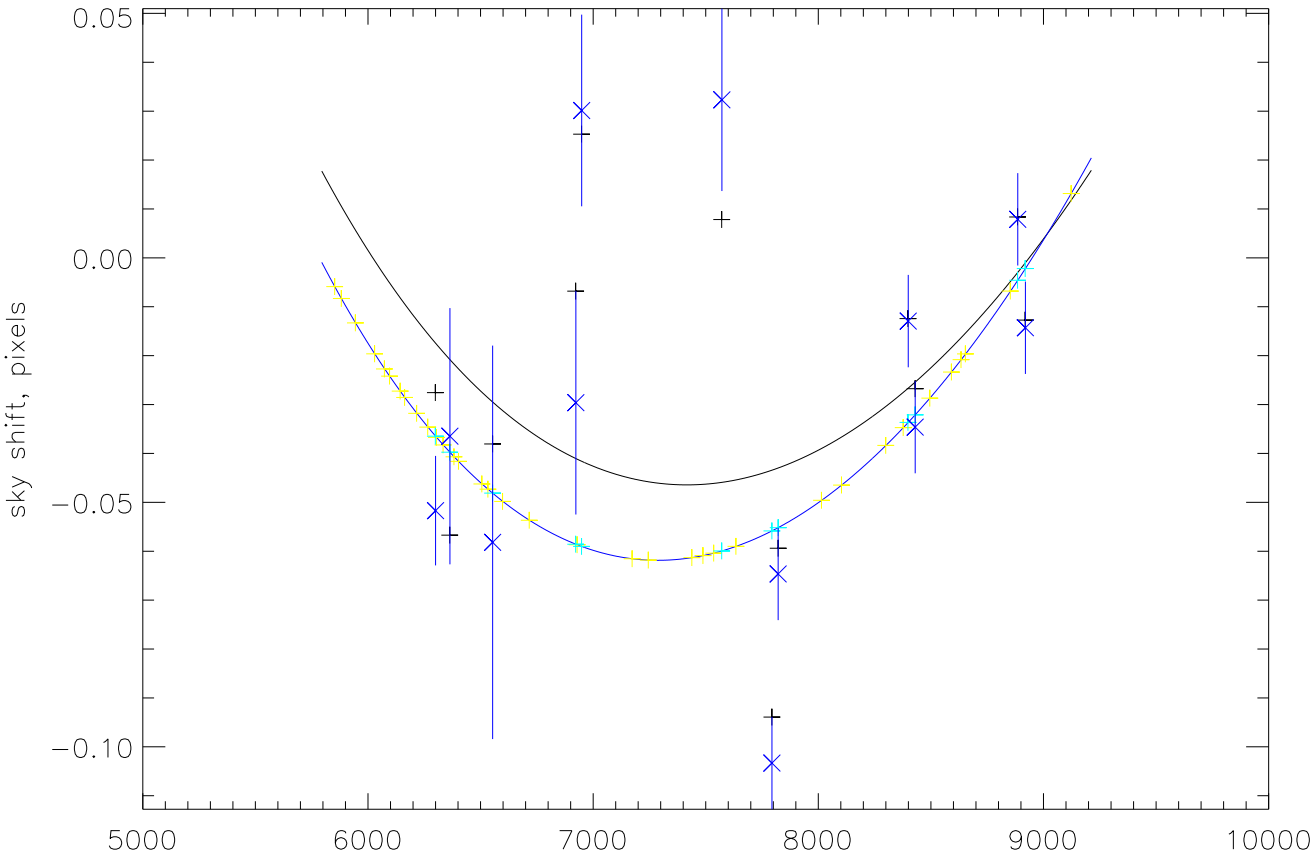

8399.1600
meas − arc
0.2
0.1
0.0
−0.1
−0.2
−0.3
0
100
200
300
400

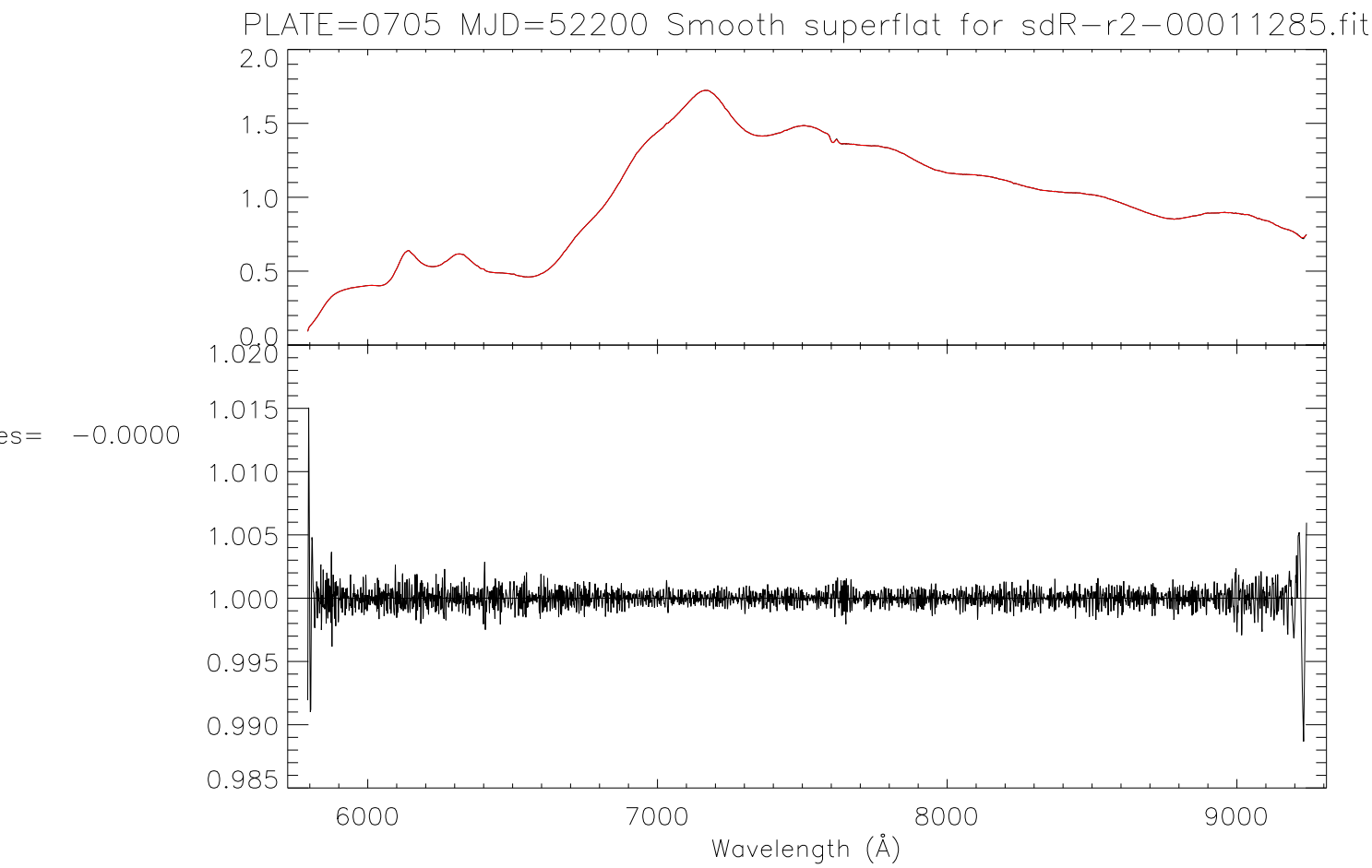

8430.1700
meas − arc
0.2
0.1
0.0
−0.1
−0.2
−0.3
0
100
200
300
400


8885.8300
meas − arc
0.3
0.2
0.1
0.0
−0.1
−0.2
0
100
200
300
400

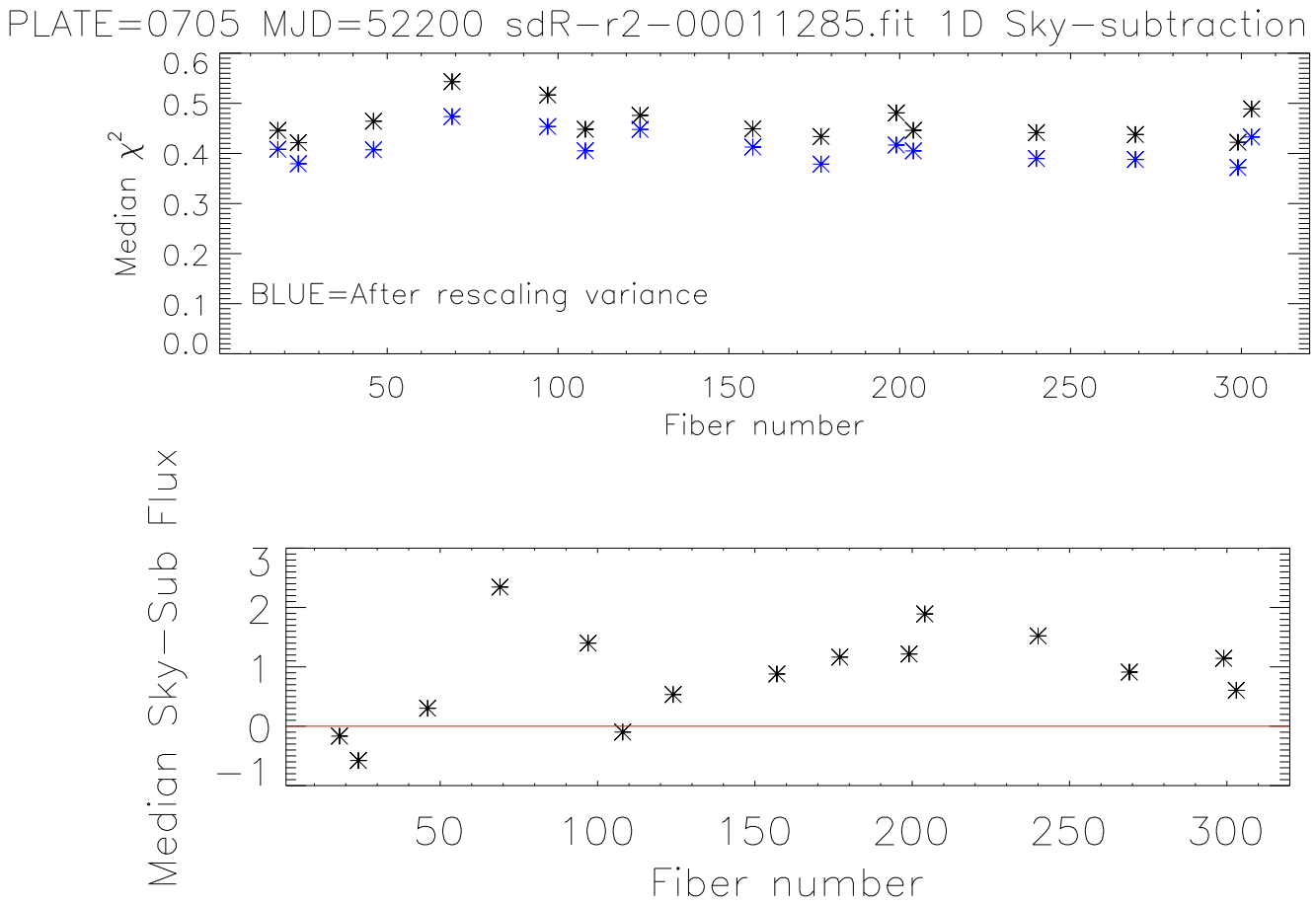

8919.6100
meas − arc
0.2
0.1
0.0
−0.1
−0.2
−0.3
0
100
200
300
400

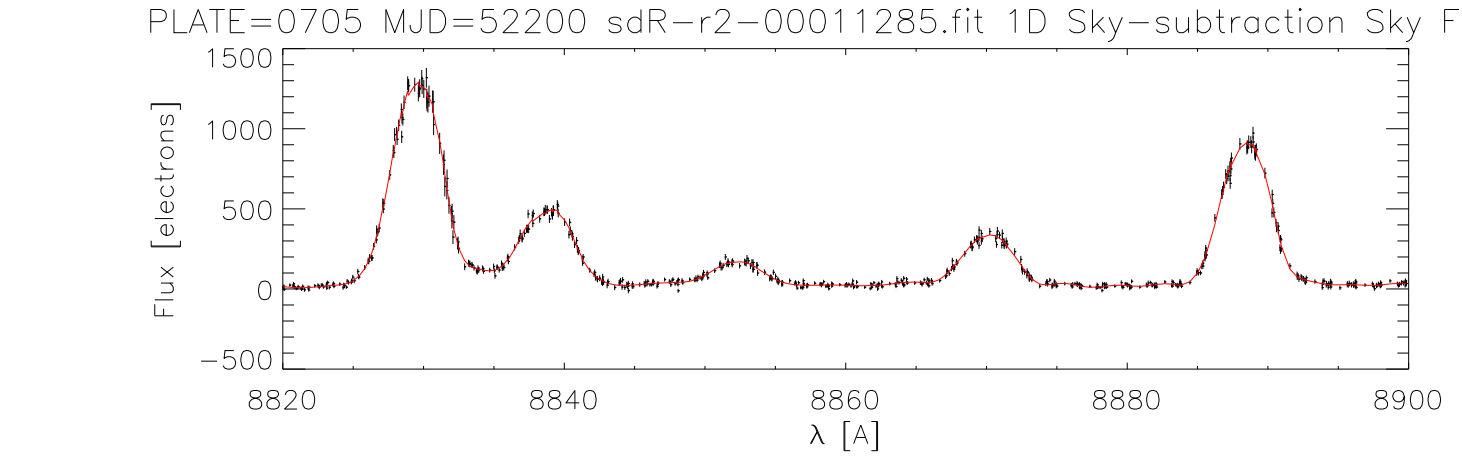

6300.3040
stdev 0.048
extra 0.05
6363.7760
stdev 0.086
extra 0.04
6553.6100
stdev 0.082
extra 0.06
6923.2100
stdev 0.069
extra 0.03
6949.0300
stdev 0.067
extra 0.03
7571.7500
stdev 0.062
extra 0.03
7794.1200
stdev 0.051
extra 0.10
7821.5100
stdev 0.027
extra 0.06
8399.1600
stdev 0.028
extra 0.01
8430.1700
stdev 0.033
extra 0.03
8885.8300
stdev 0.035
extra 0.01
8919.6100
stdev 0.034
extra 0.01
meas − pred, pix
meas − pred, pix

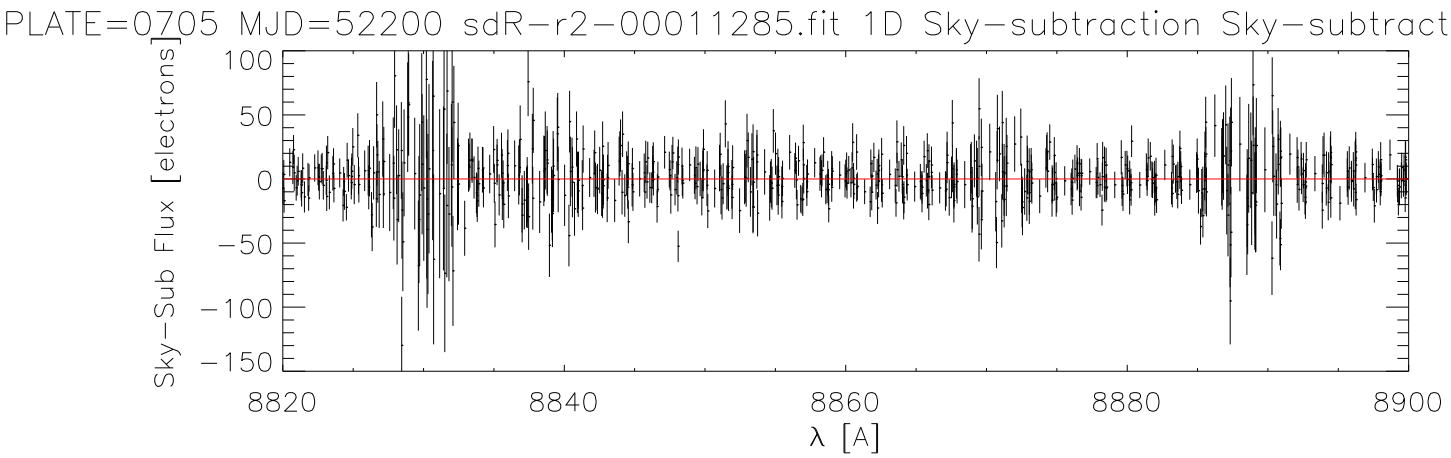

0.05
0.00
−0.05
−0.10
sky shift, pixels
5000
6000
7000
8000
9000
10000

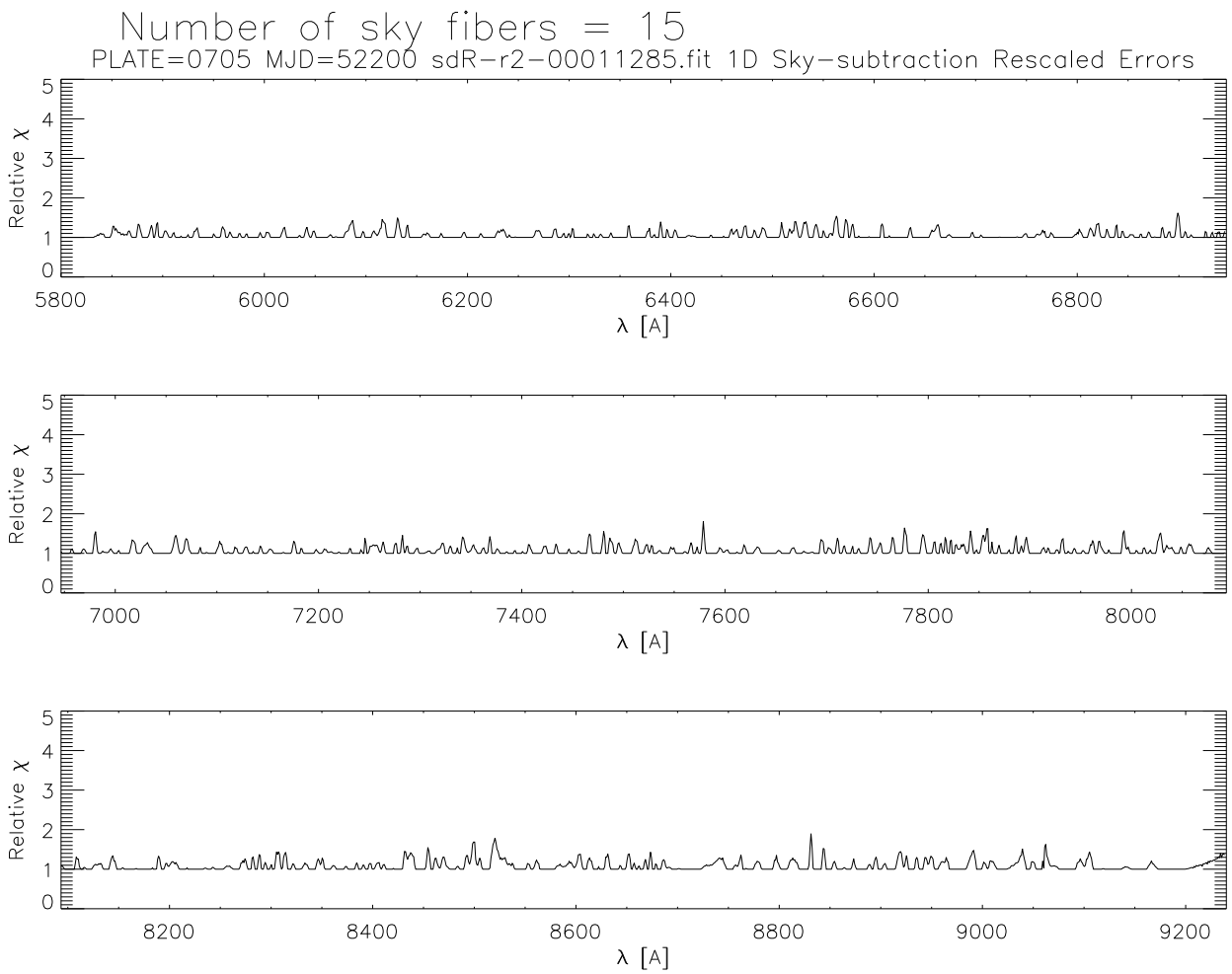

PLATE=0705 MJD=52200 Smooth superflat for sdR-r2-00011285.fit
2.0
1.5
1.0
0.5
0.0
1.020
1.015
1.010
1.005
1.000
0.995
0.990
0.985
6000
7000
8000
9000
Wavelength (Å)

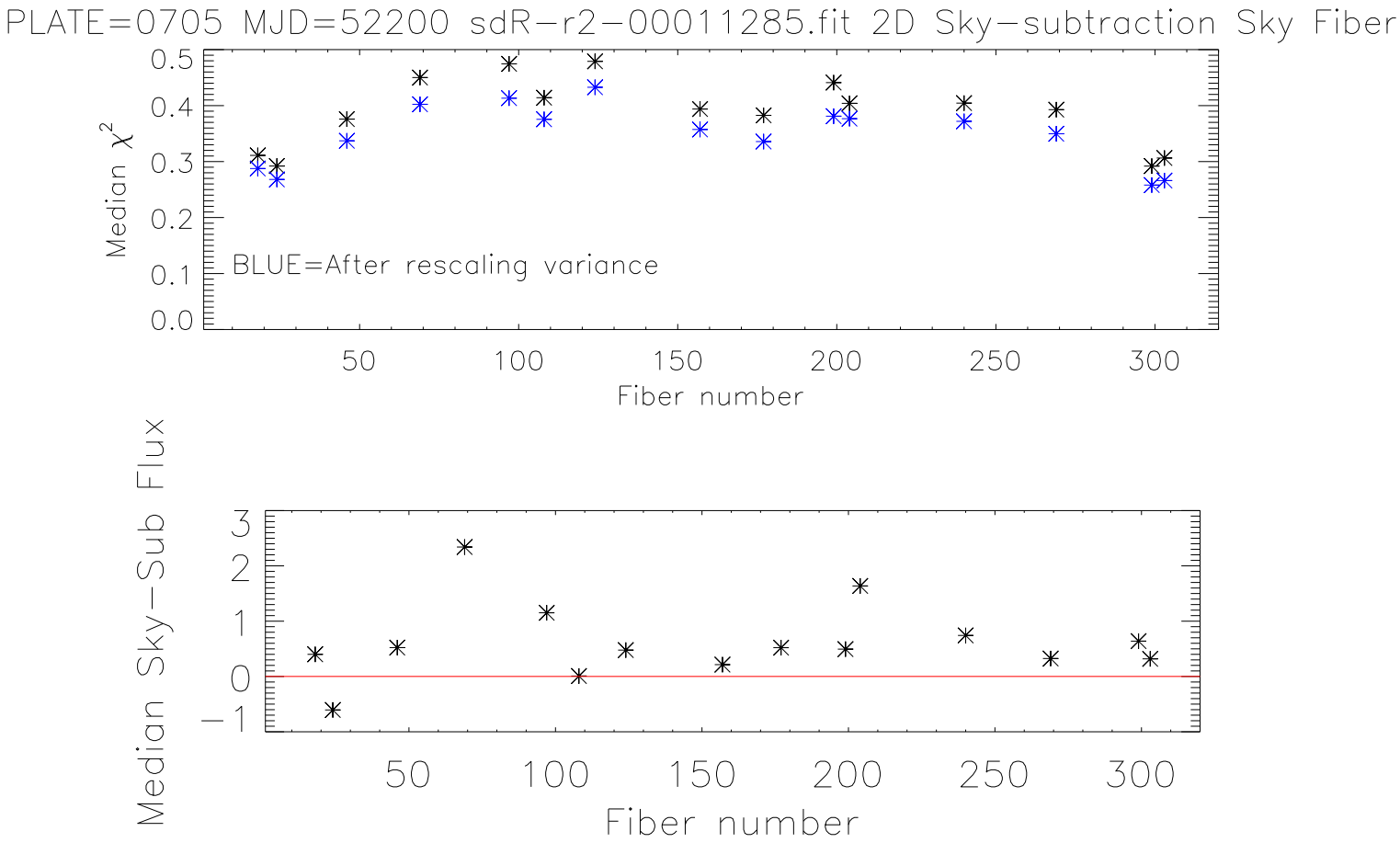
es= −0.0000

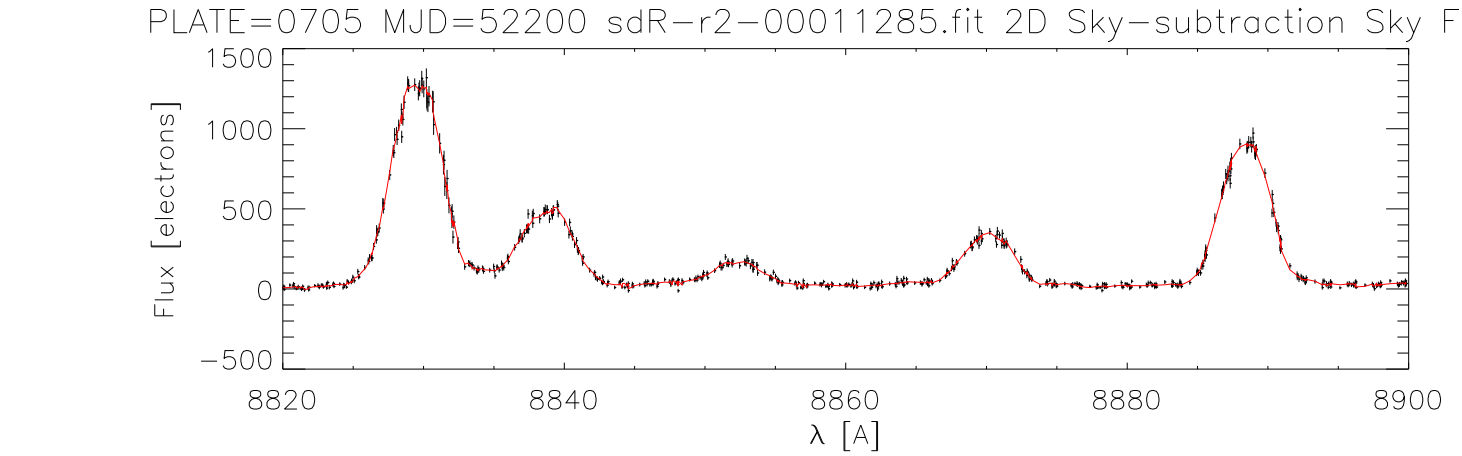

PLATE=0705 MJD=52200 sdR-r2-00011285.fit 1D Sky-subtraction Sky Fibers
Median $\chi^2$
BLUE=After rescaling variance
Fiber number
Median Sky-Sub Flux
Fiber number

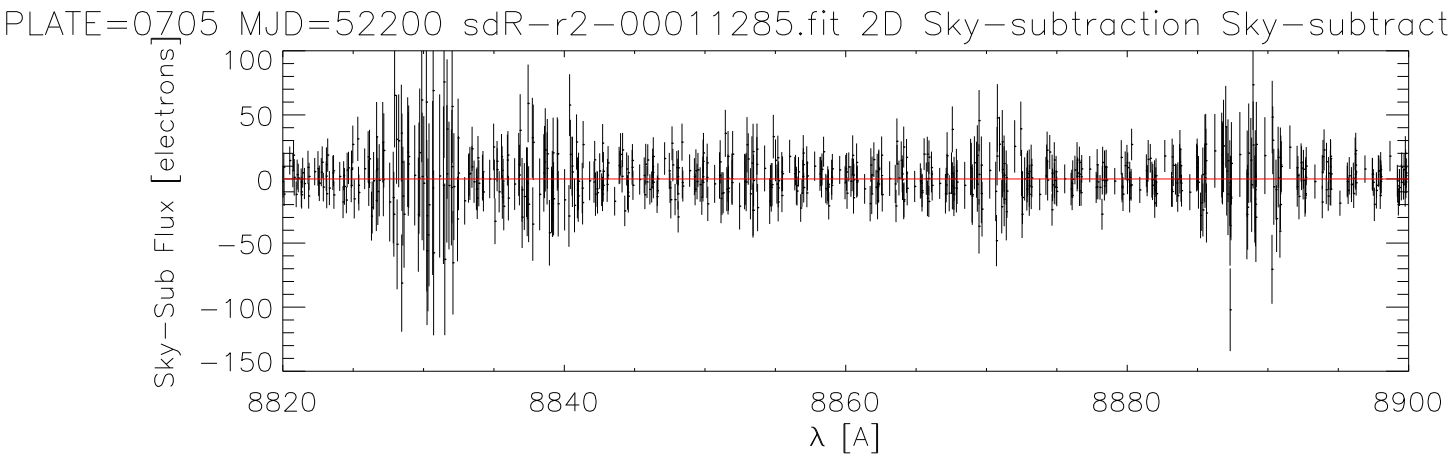

PLATE=0705 MJD=52200 sdR-r2-00011285.fit 1D Sky-subtraction Sky Fibers
Flux [electrons]
1500
1000
500
0
-500
8820
8840
8860
8880
8900
λ [A]

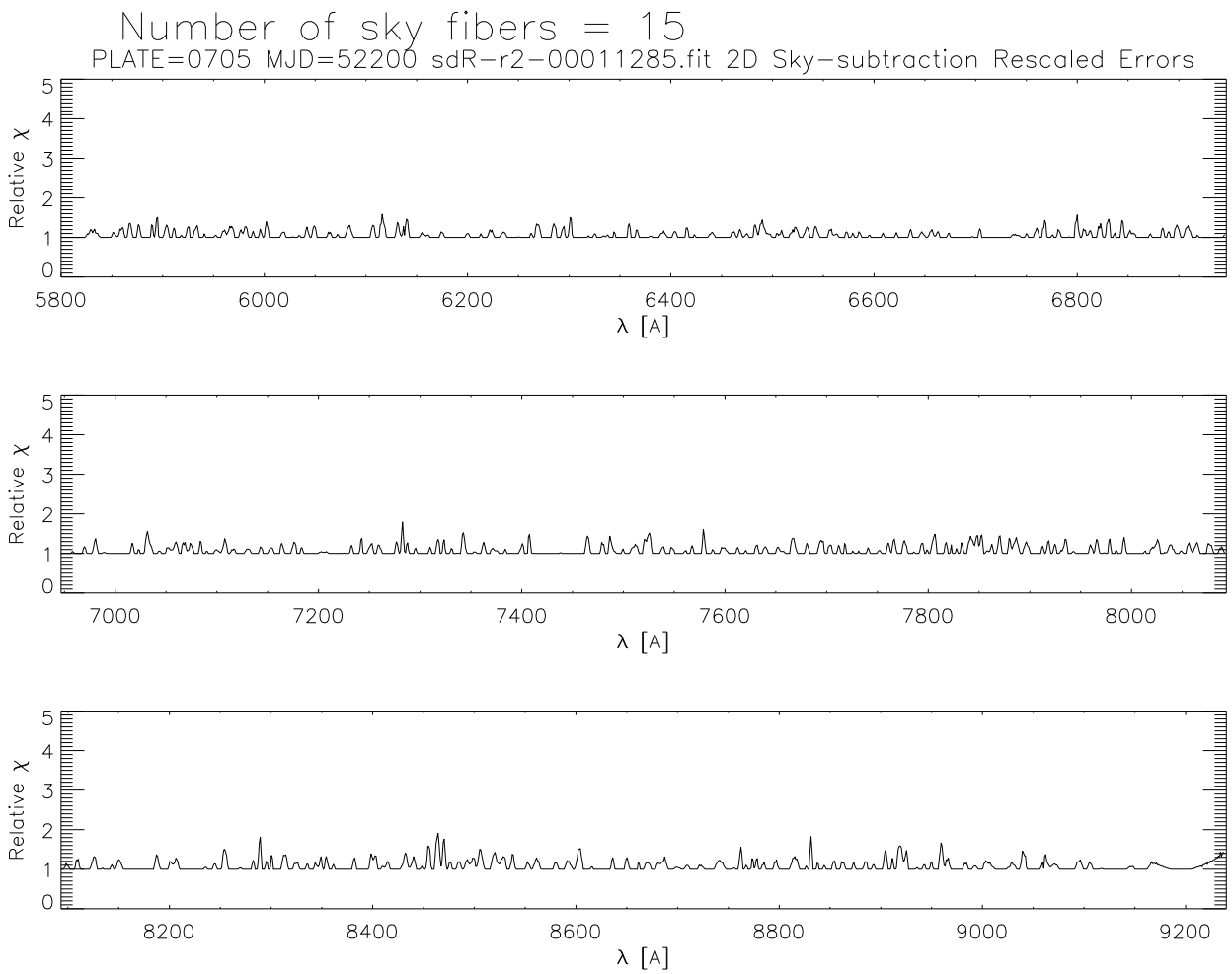

PLATE=0705 MJD=52200 sdR-r2-00011285.fit 1D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
100
50
0
-50
-100
-150
8820
8840
8860
8880
8900
λ [A]

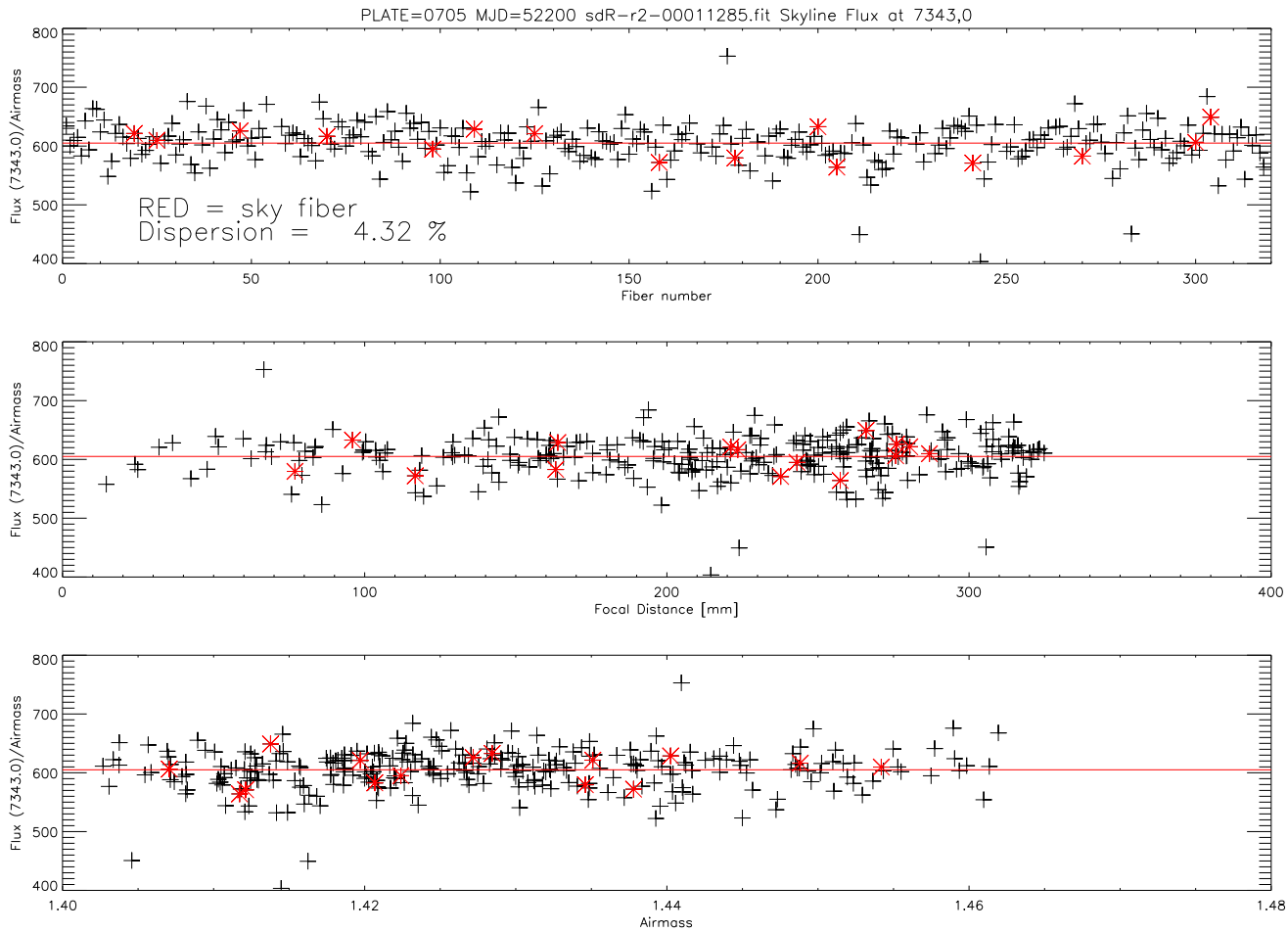

Number of sky fibers = 15
PLATE=0705 MJD=52200 sdR-r2-00011285.fit 1D Sky-subtraction Rescaled Errors
Relative χ
λ [A]
5800
6000
6200
6400
6600
6800
7000
7200
7400
7600
7800
8000
8200
8400
8600
8800
9000
9200
0
1
2
3
4
5

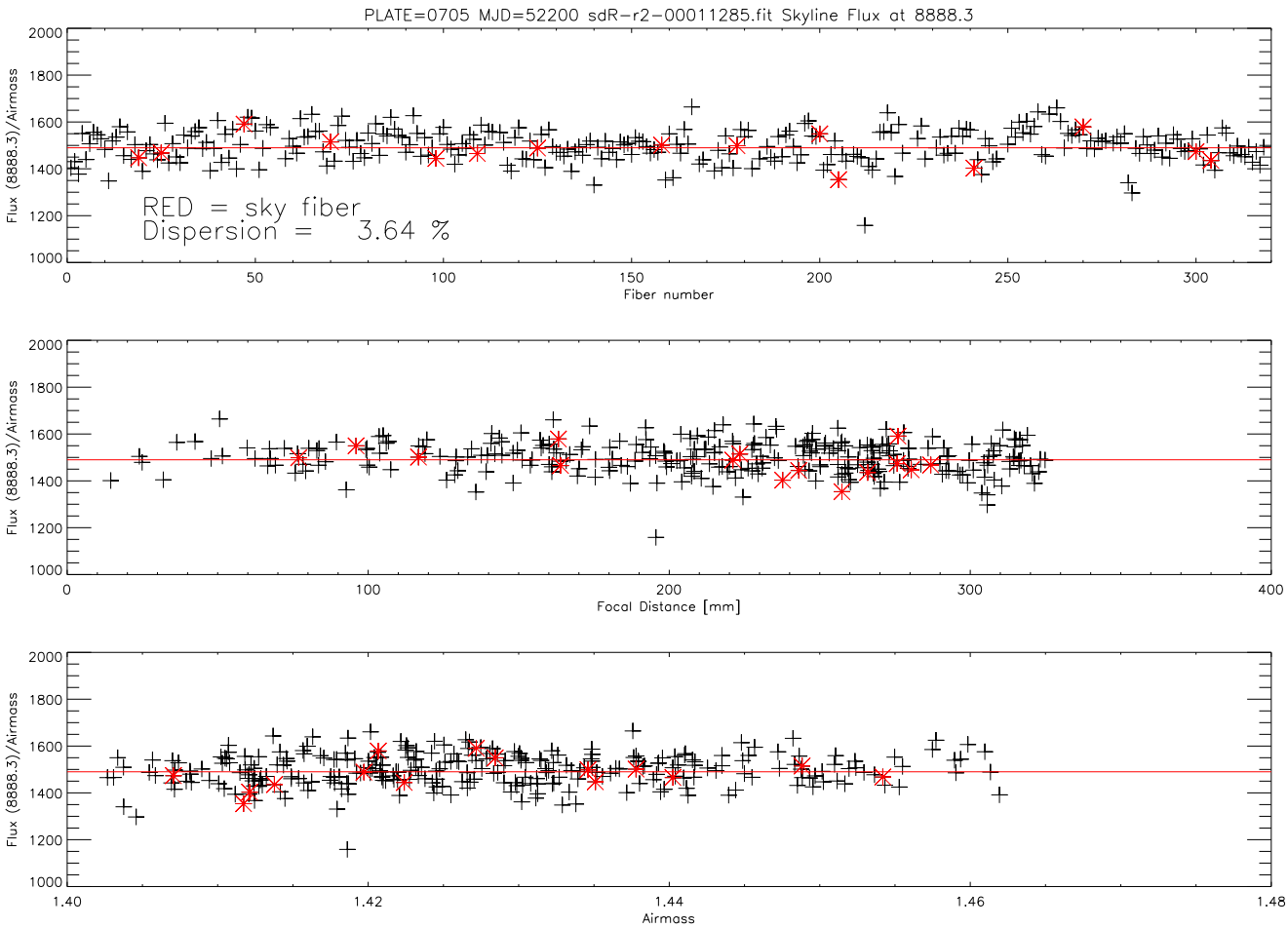

PLATE=0705 MJD=52200 sdR-r2-00011285.fit 2D Sky-subtraction Sky Fibers
Median $\chi^2$
BLUE=After rescaling variance
Fiber number
Median Sky-Sub Flux
Fiber number


PLATE=0705 MJD=52200 sdR-r2-00011285.fit 2D Sky-subtraction Sky Fibers
Flux [electrons]
1500
1000
500
0
-500
8820
8840
8860
8880
8900
λ [A]


PLATE=0705 MJD=52200 sdR-r2-00011285.fit 2D Sky-subtraction Sky-subtracted Sky F
Sky-Sub Flux [electrons]
100
50
0
-50
-100
-150
8820
8840
8860
8880
8900
λ [A]


Number of sky fibers = 15
PLATE=0705 MJD=52200 sdR-r2-00011285.fit 2D Sky-subtraction Rescaled Errors
Relative χ
λ [A]
5800
6000
6200
6400
6600
6800
7000
7200
7400
7600
7800
8000
8200
8400
8600
8800
9000
9200
0
1
2
3
4
5


PLATE=0705 MJD=52200 sdR-r2-00011285.fit Skyline Flux at 7343,0
Flux (7343.0)/Airmass
RED = sky fiber
Dispersion = 4.32 %
Fiber number
Focal Distance [mm]
Airmass


PLATE=0705 MJD=52200 sdR-r2-00011285.fit Skyline Flux at 8888.3
Flux (8888.3)/Airmass
RED = sky fiber
Dispersion = 3.64 %
Fiber number
Flux (8888.3)/Airmass
Focal Distance [mm]
Flux (8888.3)/Airmass
Airmass