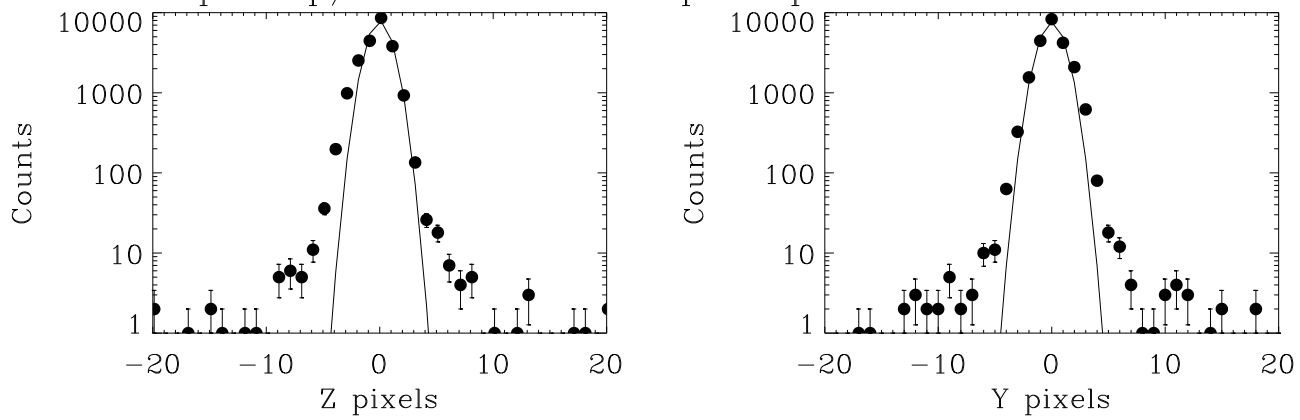
H-IAI-CR-1.001_p500_p/H-IAI-CR-1.001_p500_p.fits



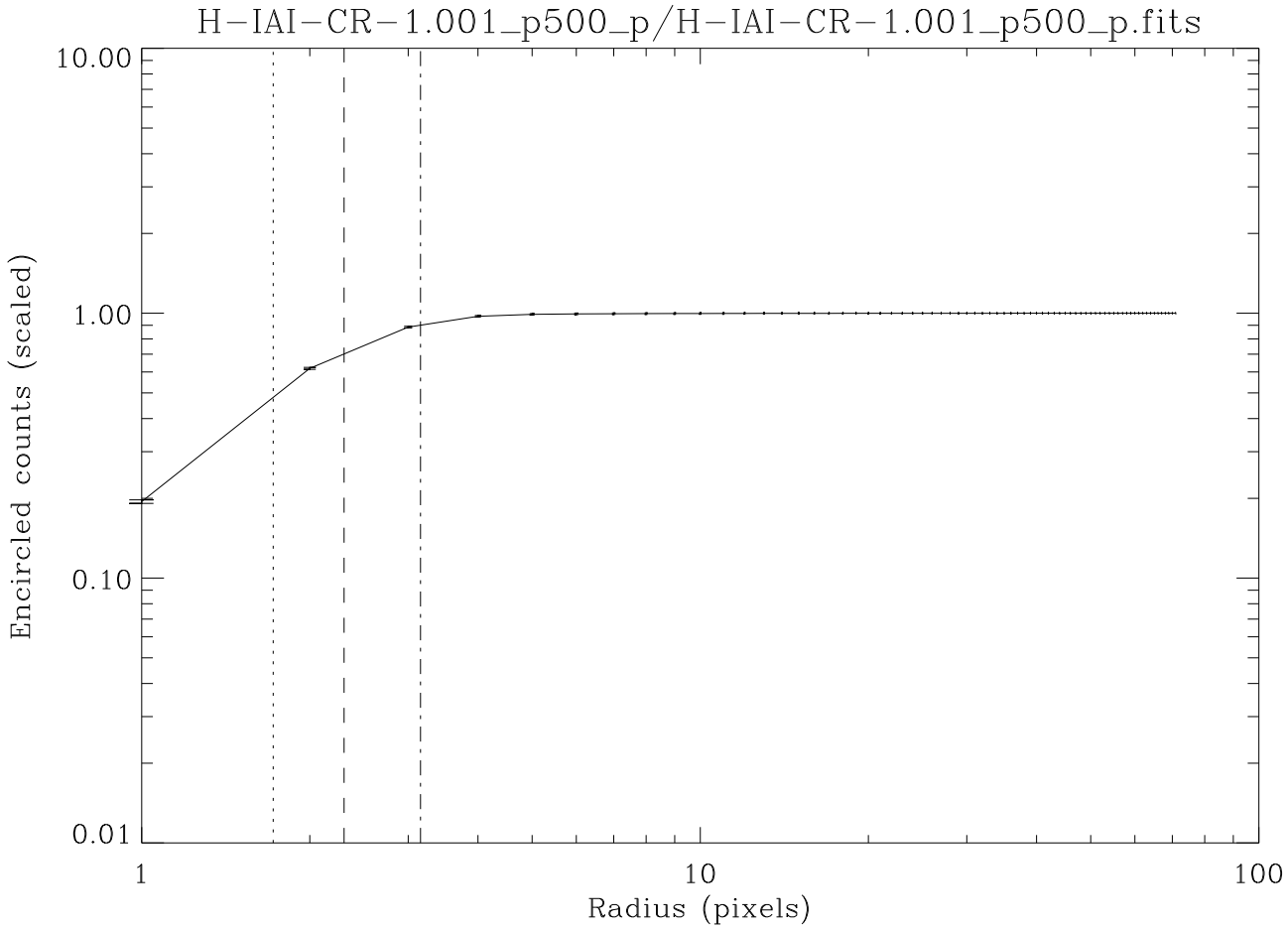
All measurements in pixels

Z gaussian FWHM = 2.4006028

Y gaussian FWHM = 2.5133795

Z fit parameters: Amplitude= 7909 Offset= 47 Sigma= 1

Y fit parameters: Amplitude= 7685 Offset= 50 Sigma= 1



Encircled energy radii in pixels

50% radius = 1.71990

70% radius = 2.30319

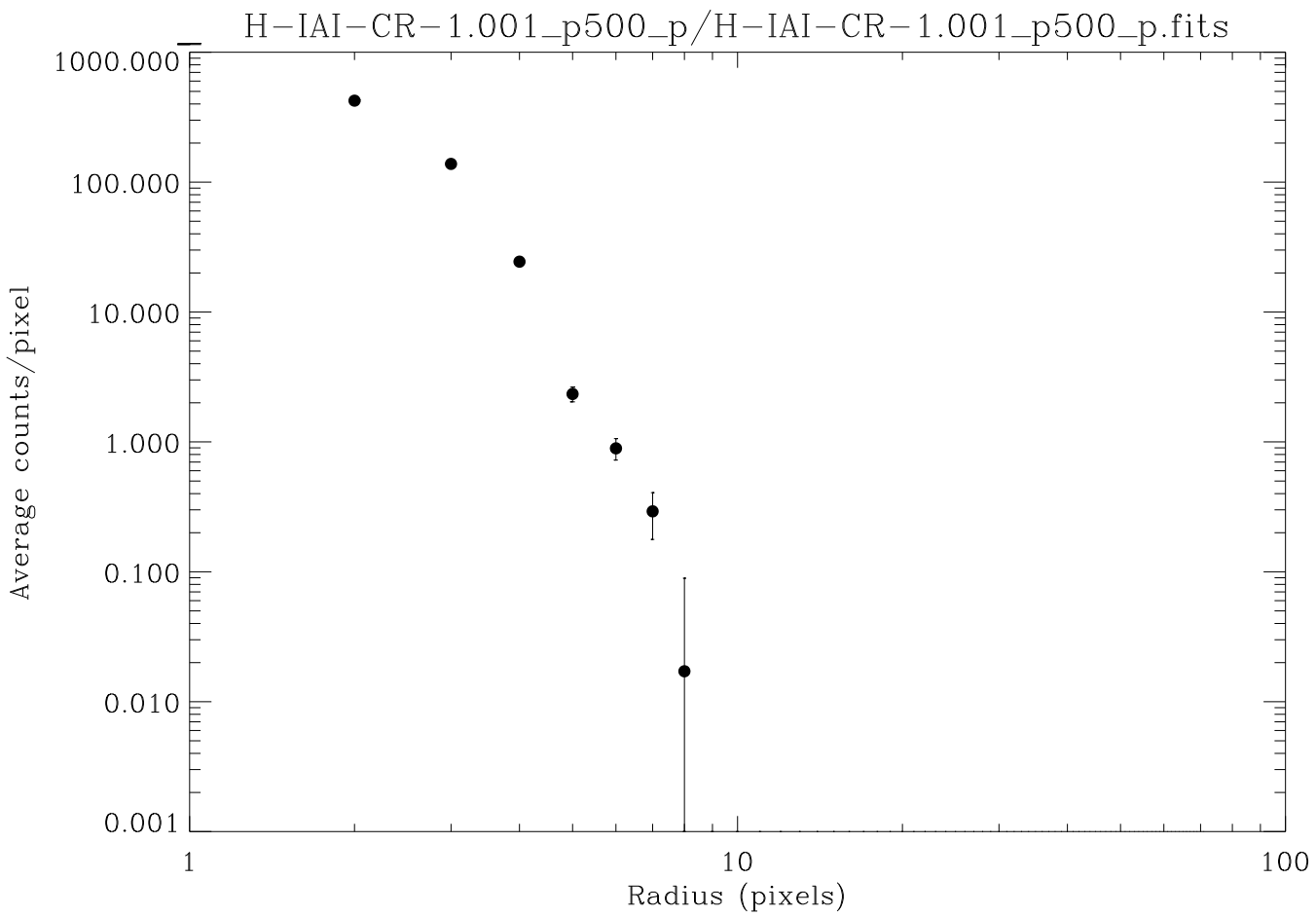
90% radius = 3.15638

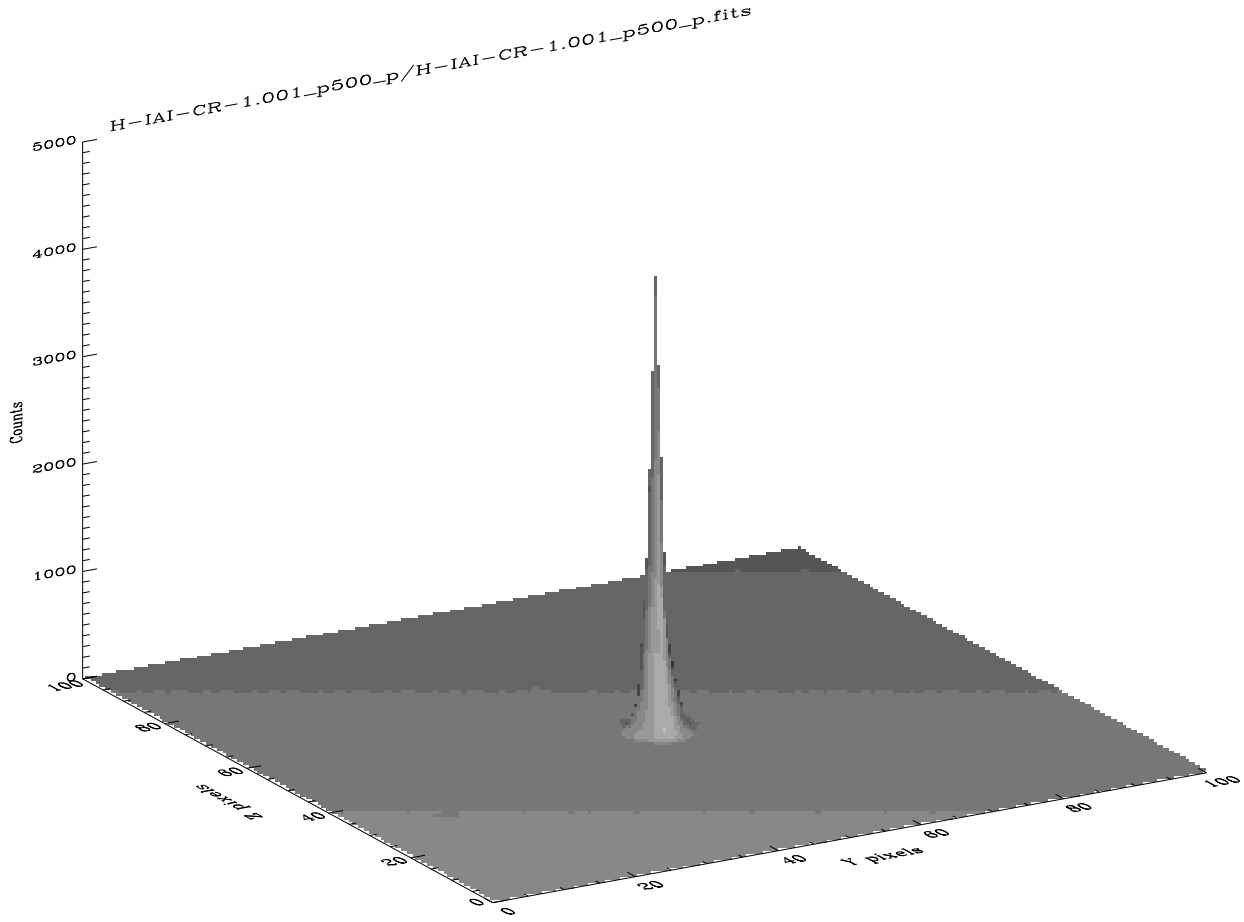
Encircled energy radii in microns

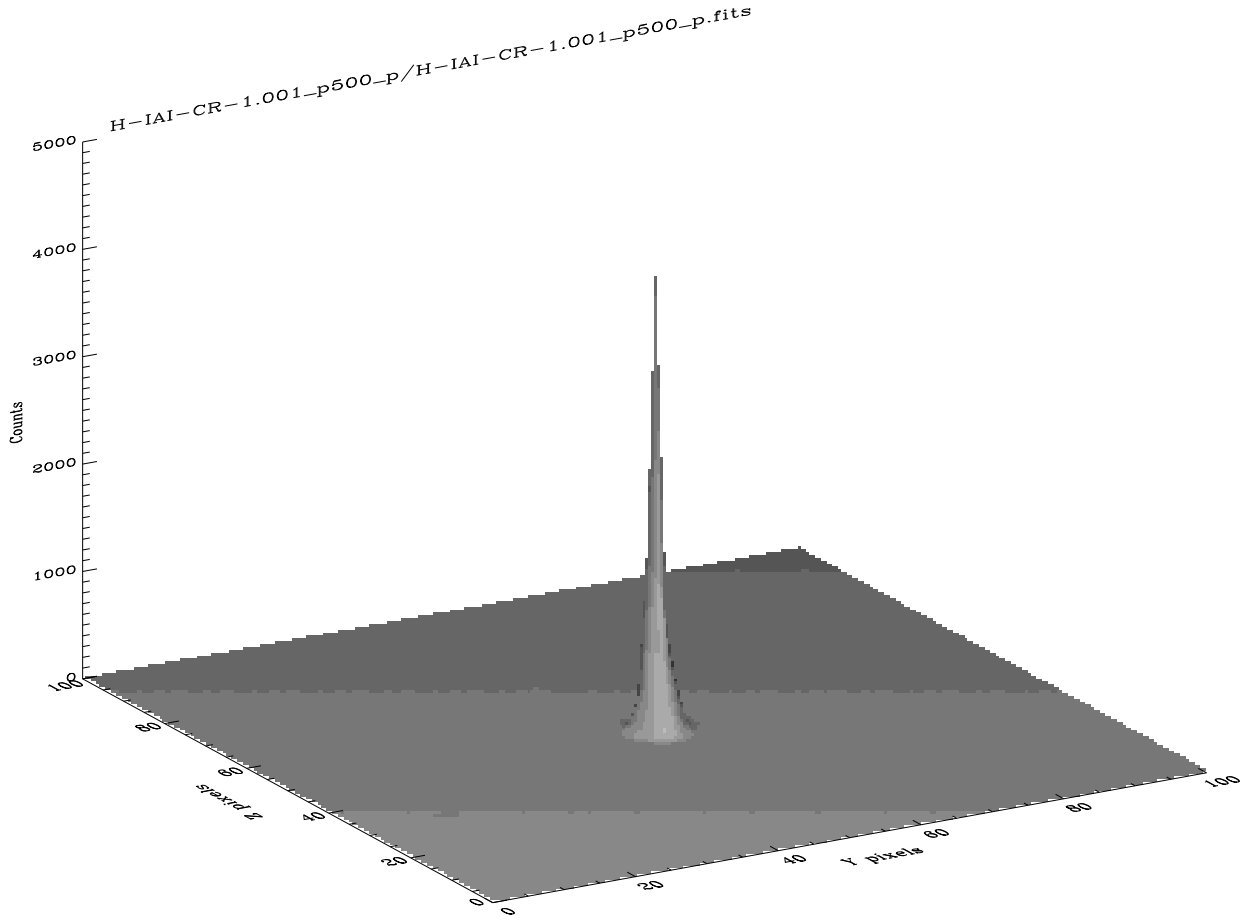
50% radius = 41.2776

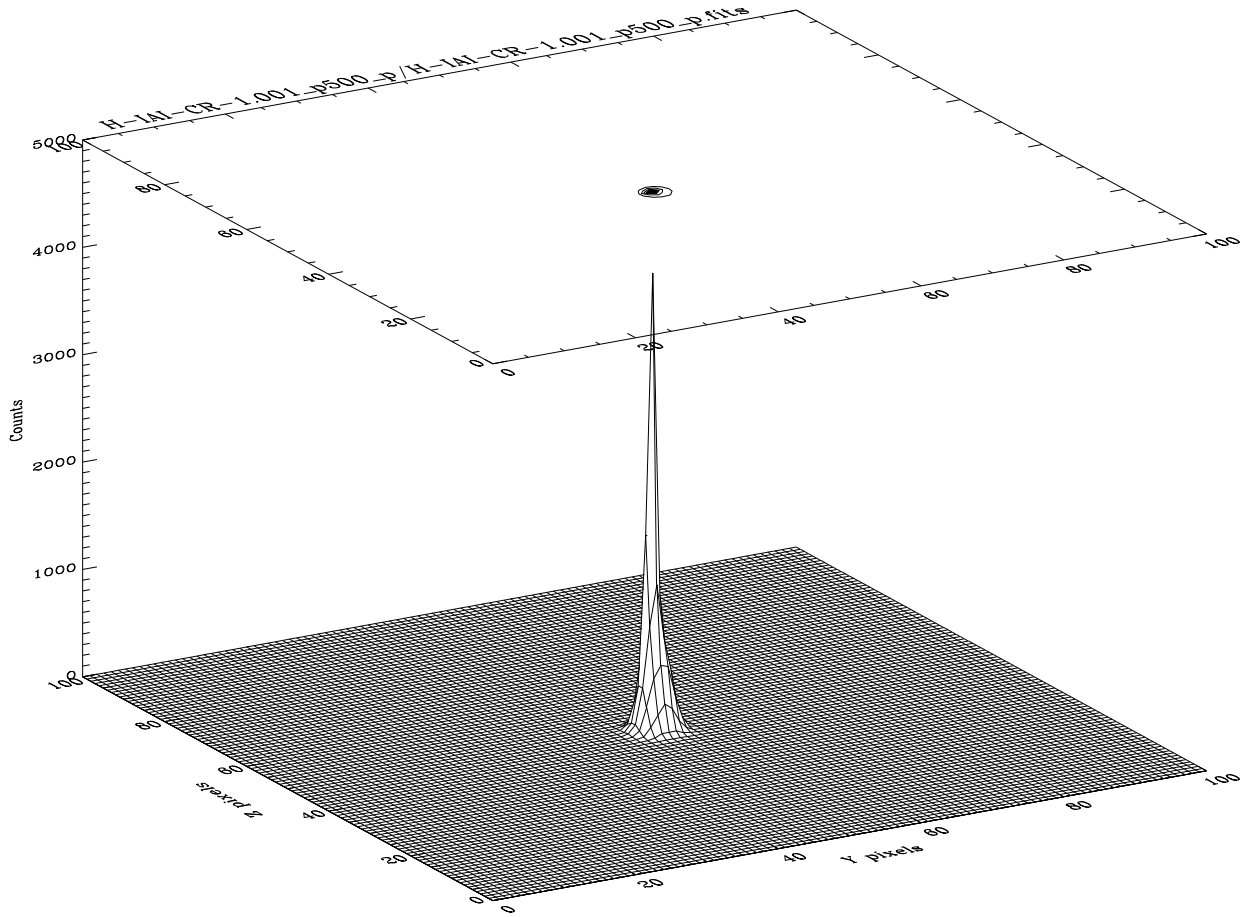
70% radius = 55.2765

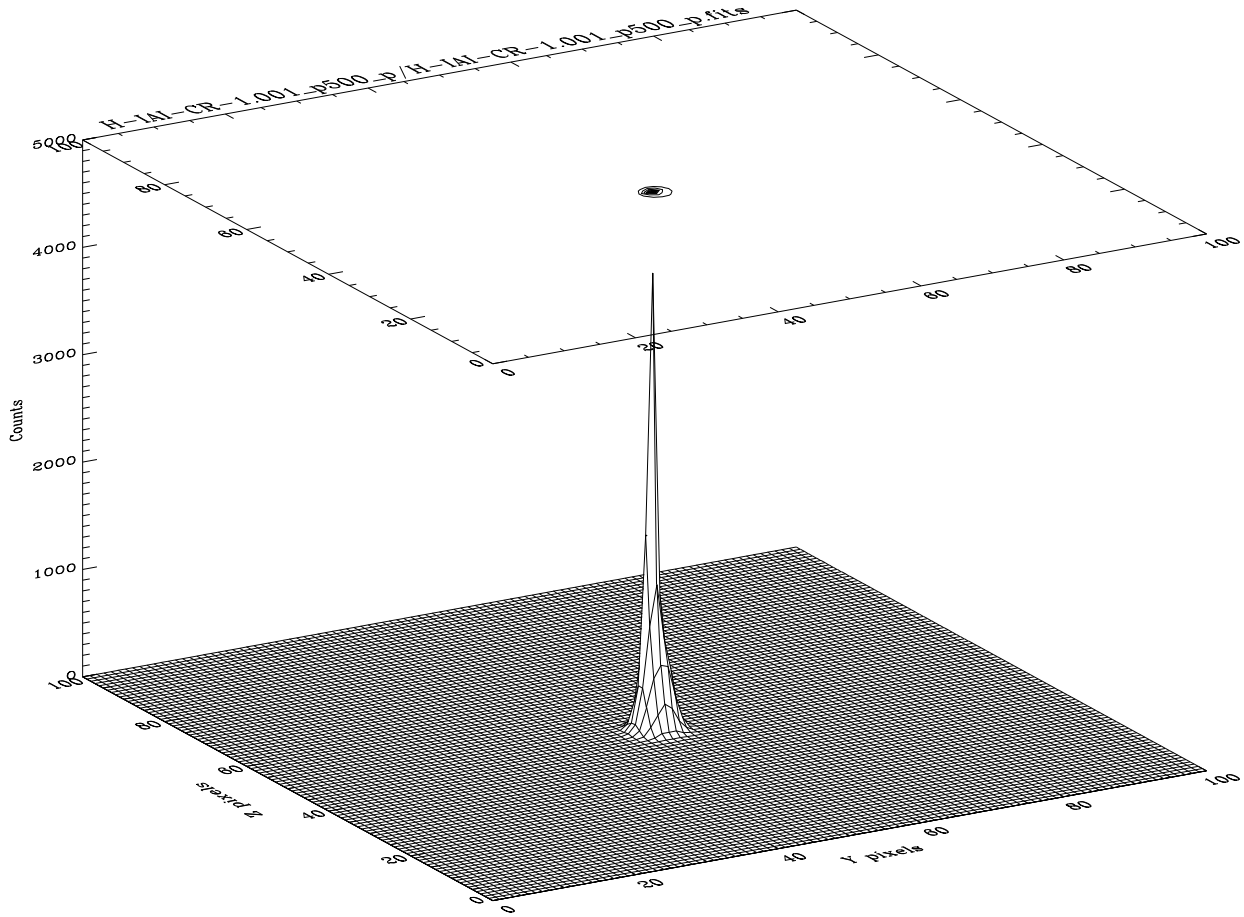
90% radius = 75.7532

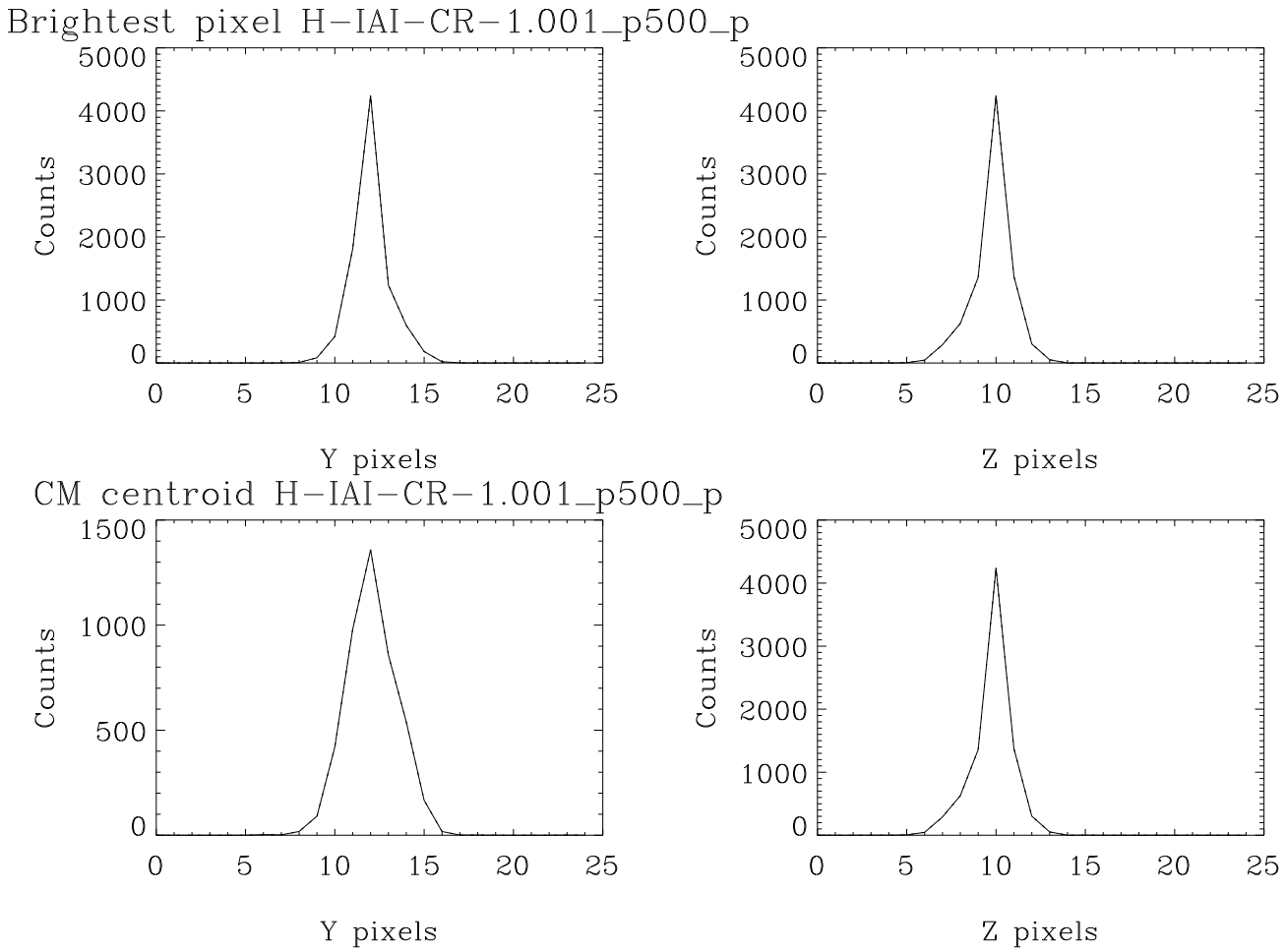

H-IAI-CR-1.001_p500_p/H-IAI-CR-1.001_p500_p.fits
1000.000
100.000
10.000
1.000
0.100
0.010
0.001
Average counts/pixel
1
10
100
Radius (pixels)


H-IAI-CR-1.001-p500-p/H-IAI-CR-1.001-p500-p.fits
Counts
5000
4000
3000
2000
1000
100
80
60
40
20
0
x pixels
0
20
40
60
80
100
y pixels


H-IAI-CR-1.001-p500-p/H-IAI-CR-1.001-p500-p.fits
Counts
5000
4000
3000
2000
1000
100
80
60
40
20
0
x pixels
0
20
40
60
80
100
y pixels


H_1AI_CR_1.001_p500_p/H_1AI_CR_1.001_p500_p.fits
Counts
X pixels
Y pixels
0
20
40
60
80
100
1000
2000
3000
4000
5000


H_1AI_CR_1.001_p500_p/H_1AI_CR_1.001_p500_p.fits
Counts
X pixels
Y pixels
0
20
40
60
80
100
1000
2000
3000
4000
5000



Solid lines: all grades, dotted lines: g=02346

Brightest pixel (Y,Z)

All grades	12	10
Std. grades	12	10

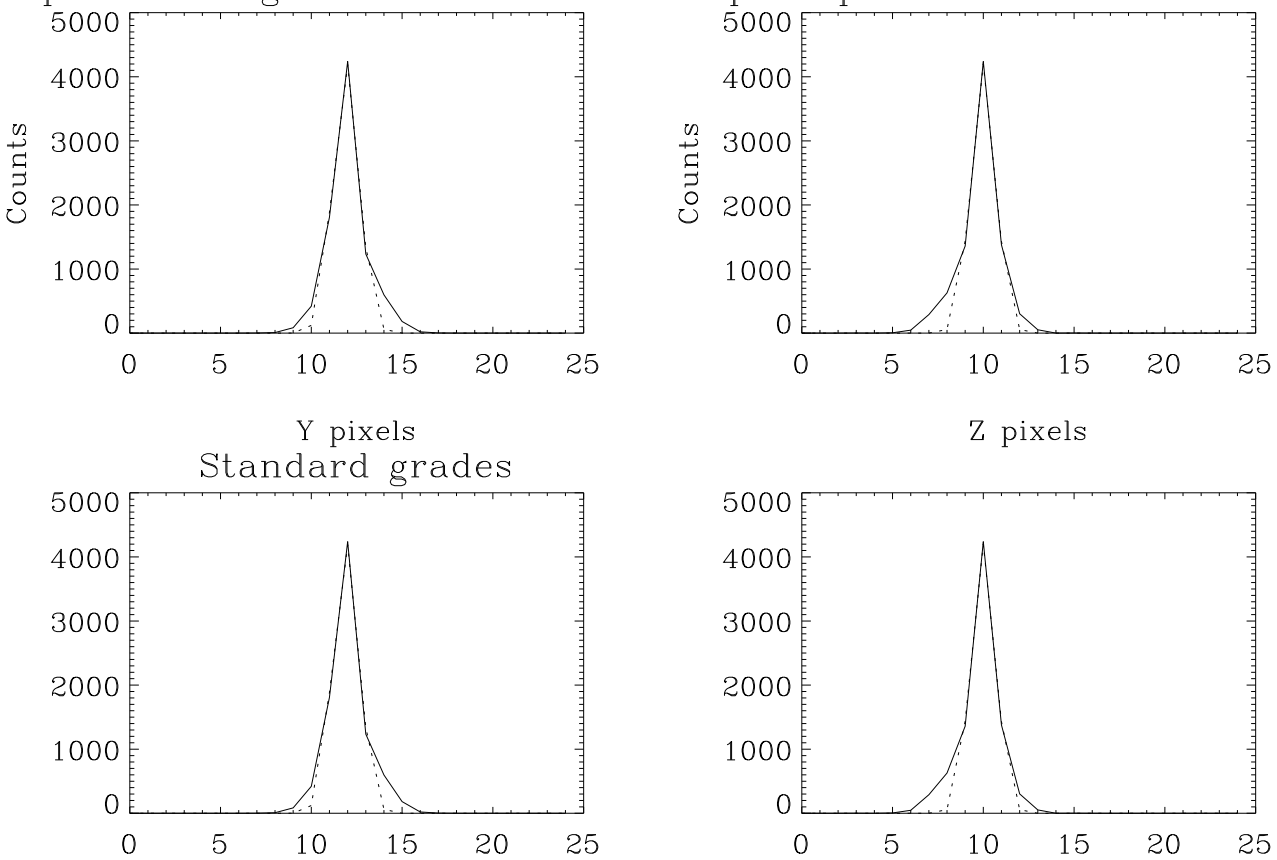
CM Centroid (Y,Z)

All grades	12.0829	9.66933
Std. grades	12.0829	9.66933

Brightest pixel maxima

All grades:	4240
Std. grades:	4240

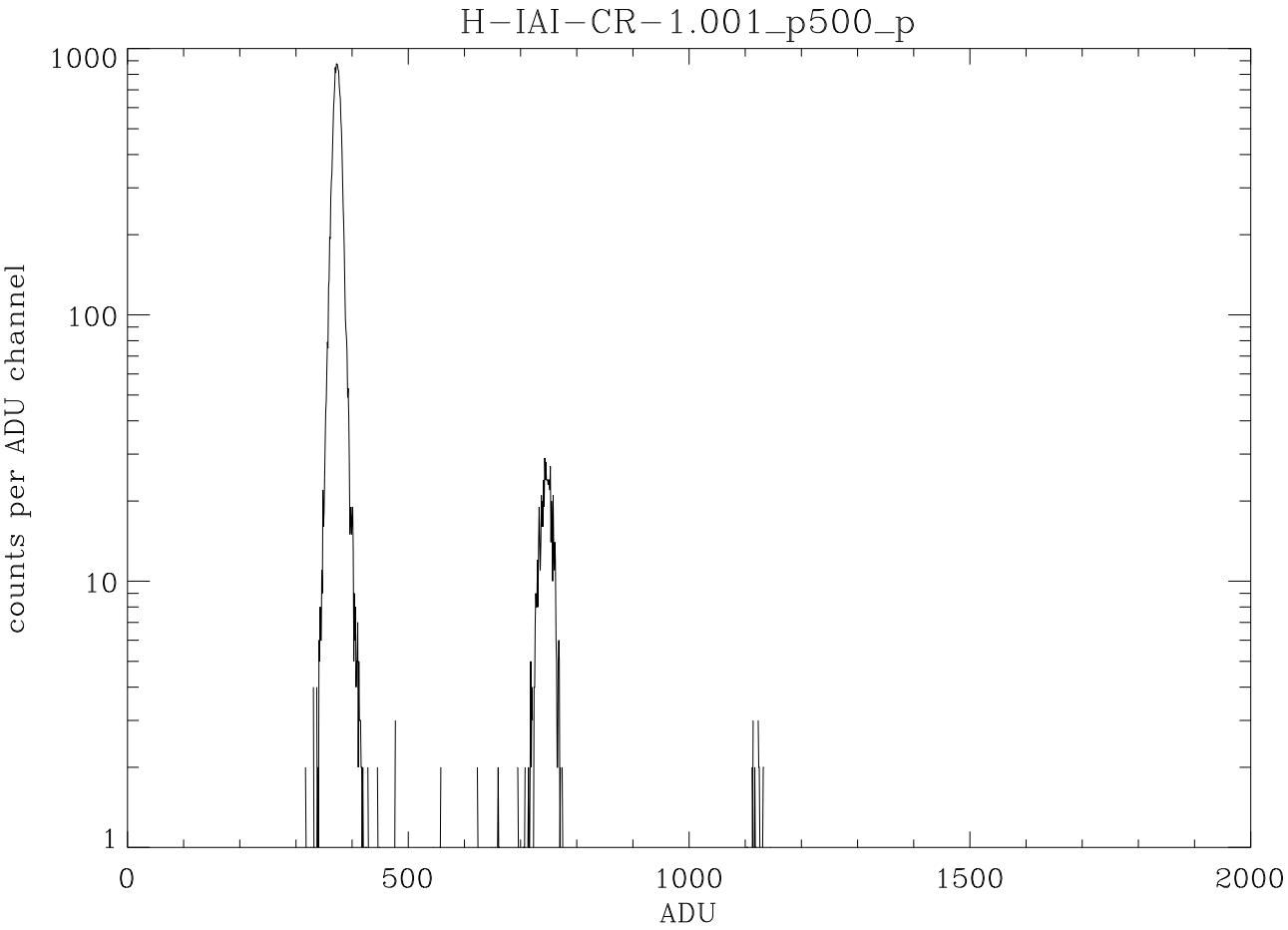
Brightest pixel – All grades H-IAI-CR-1.001_p500_p

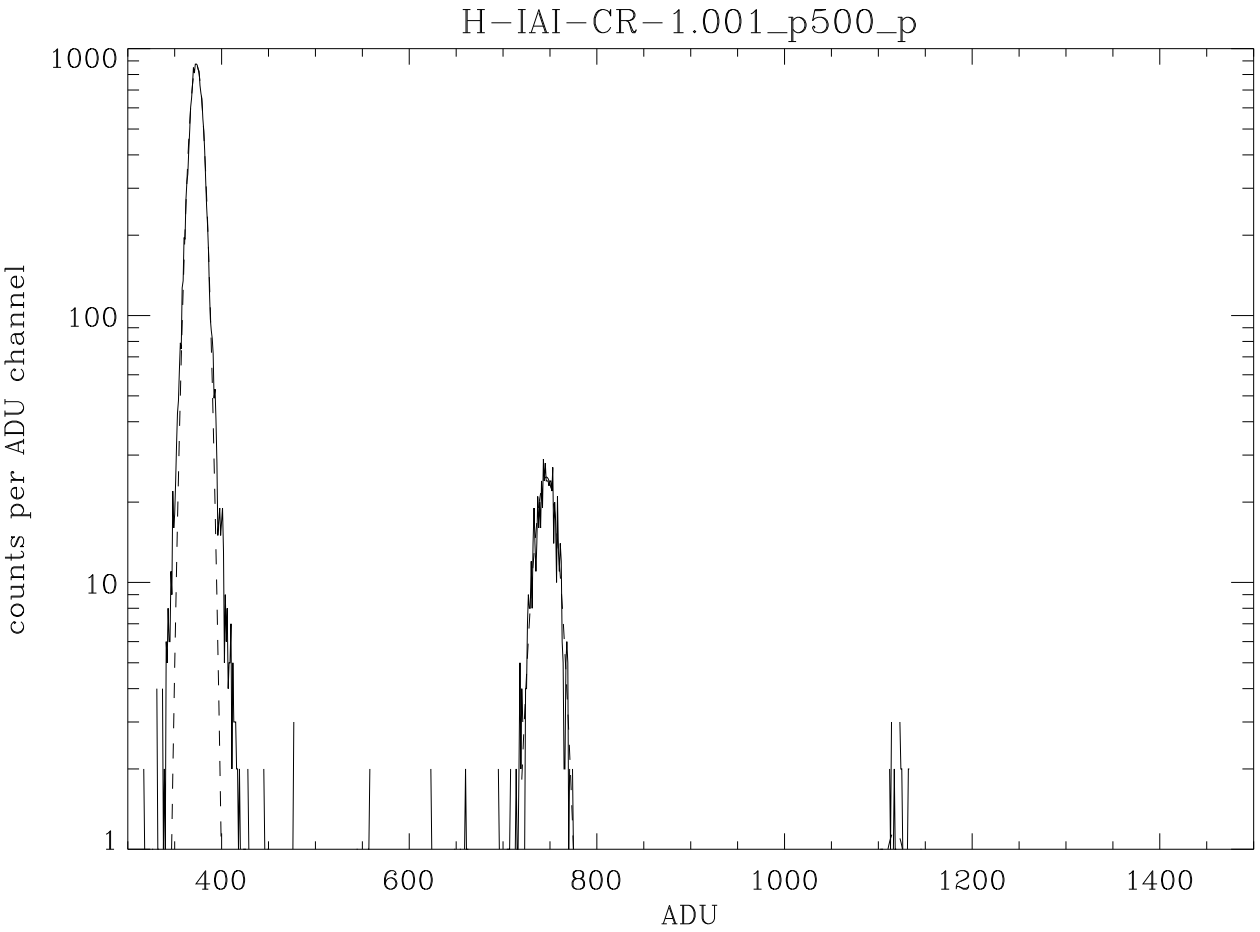


Total counts (area under gaussians, shown by dotted line)

	Integrated	Analytical
All Y	7285.3663	7593.1003
Std Y	7285.3663	7593.1003
All Z	6394.0160	7187.1981
Std Z	6394.0160	7187.1981

	amplitude	offset	sigma	FWHM
All Y:	4222.3878	11.911599	0.71741605	1.6887974
Std Y:	4222.3878	11.911599	0.71741605	1.6887974
All Z:	4206.3497	9.9988646	0.68165450	1.6046148
Std Z:	4206.3497	9.9988646	0.68165450	1.6046148


H−IAI−CR−1.001_p500_p
counts per ADU channel
1000
100
10
1
0
500
1000
1500
2000
ADU



area1 = 15663.262

area2 = 702.80078

area3 = 36.420205

Analytical area estimates = 15663.260 710.72397 40.154880

	amplitude	offset	sigma
gaussian1:	868.48353	373.19386	7.1949972
gaussian2:	24.837569	746.08807	11.415684
gaussian3:	1.1757991	1118.0233	13.624334

Pileup fraction, photons = 0.088185540
Pileup fraction, area = 0.045067626