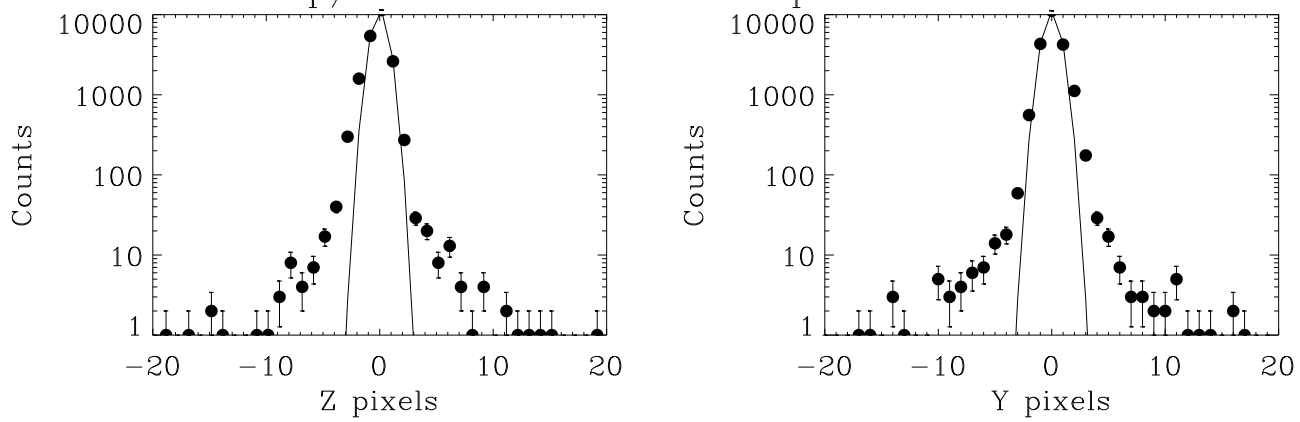
H-IAI-CR-1.001_n200_p/H-IAI-CR-1.001_n200_p.fits



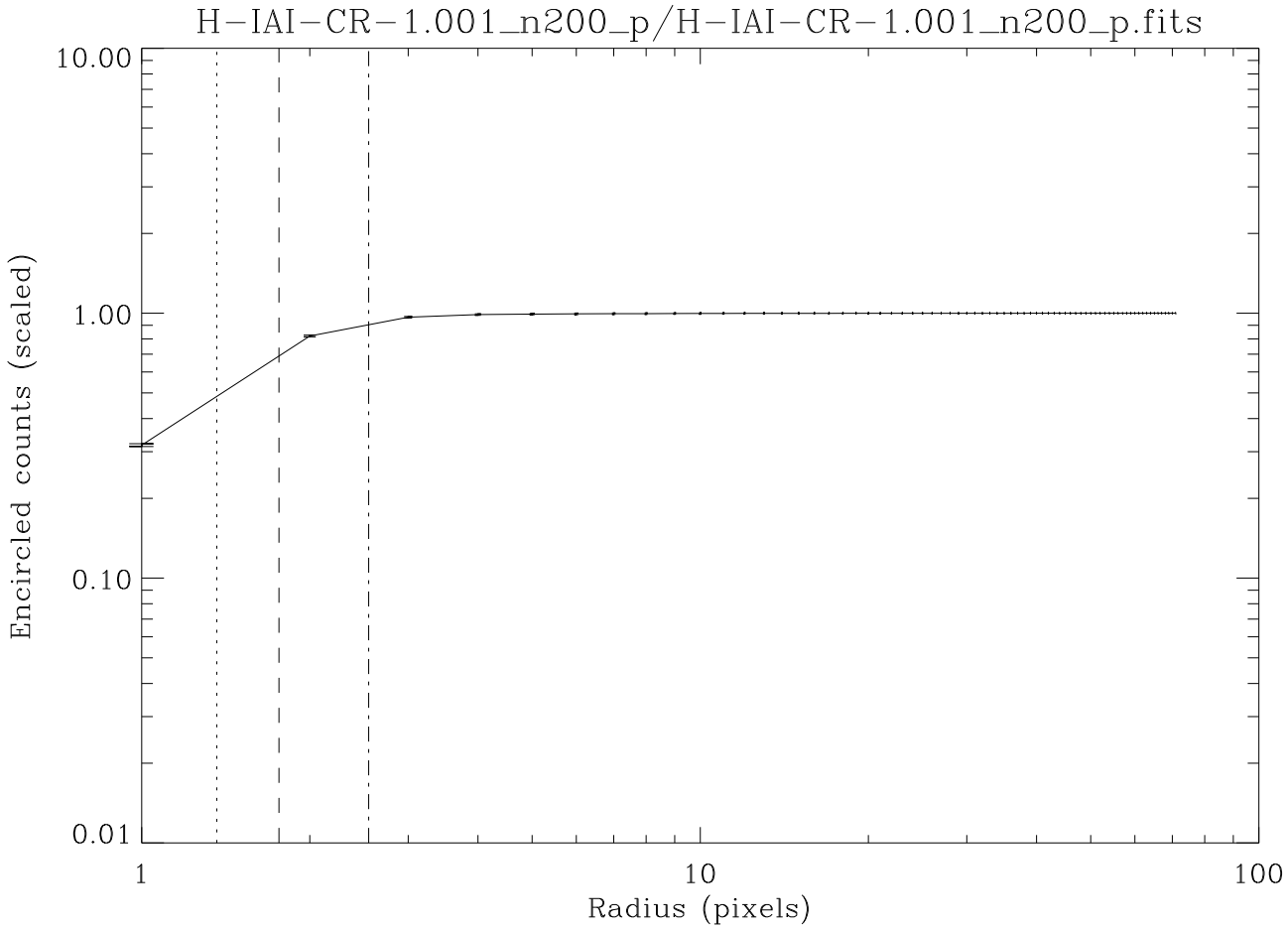
All measurements in pixels

Z gaussian FWHM = 1.6291299

Y gaussian FWHM = 1.7333155

Z fit parameters: Amplitude= 11639 Offset= 47 Sigma= 0

Y fit parameters: Amplitude= 11115 Offset= 49 Sigma= 0



Encircled energy radii in pixels

50% radius = 1.36300

70% radius = 1.76109

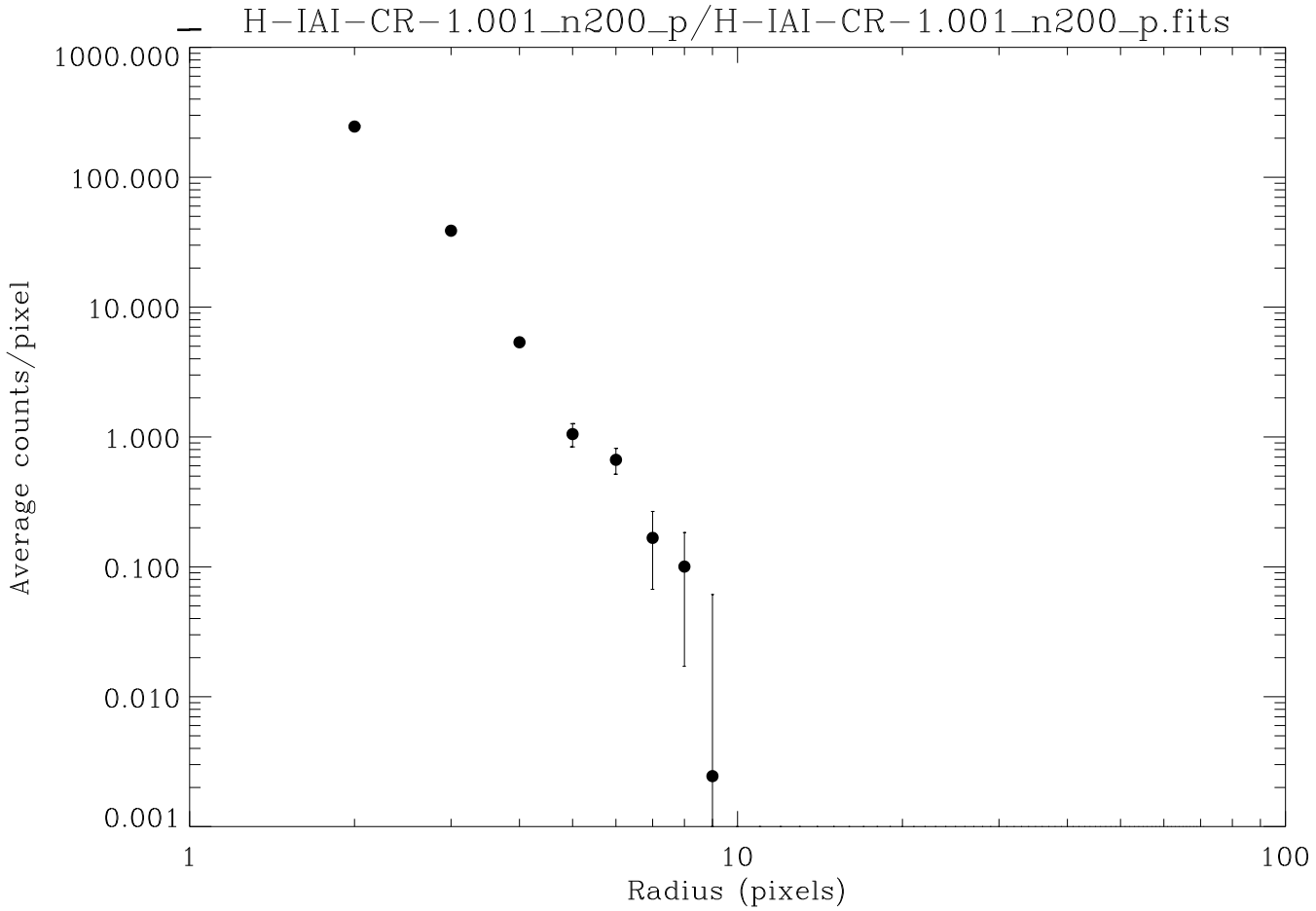
90% radius = 2.54910

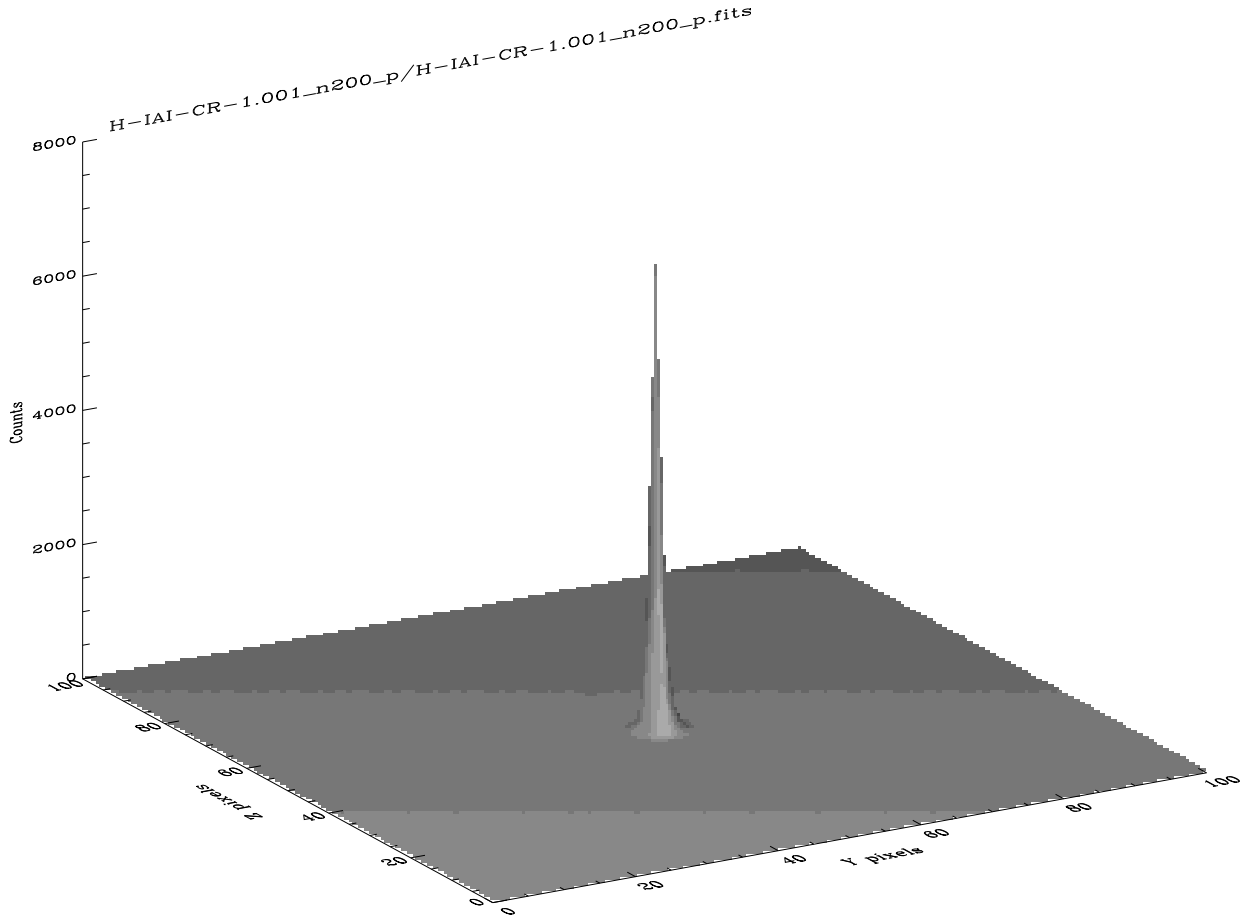
Encircled energy radii in microns

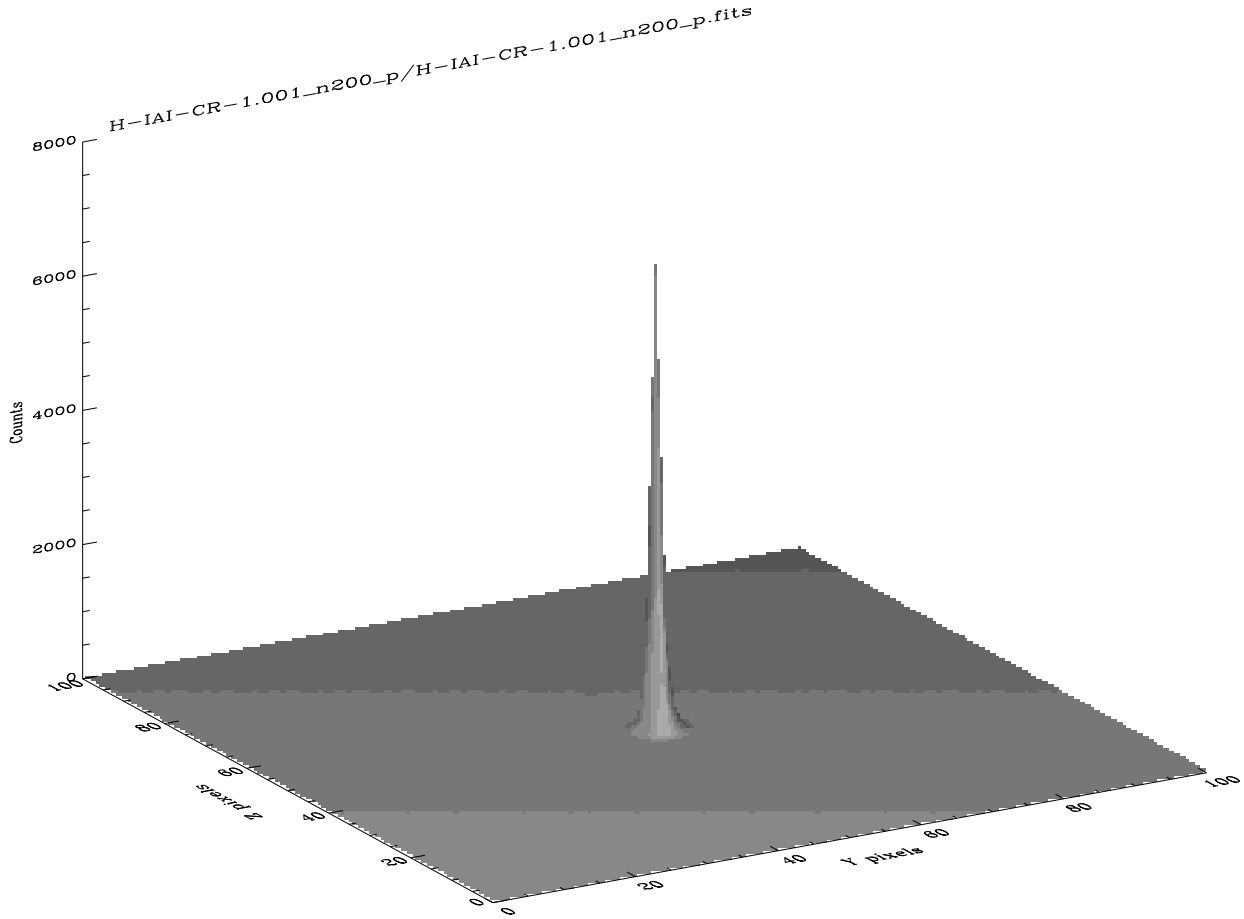
50% radius = 32.7120

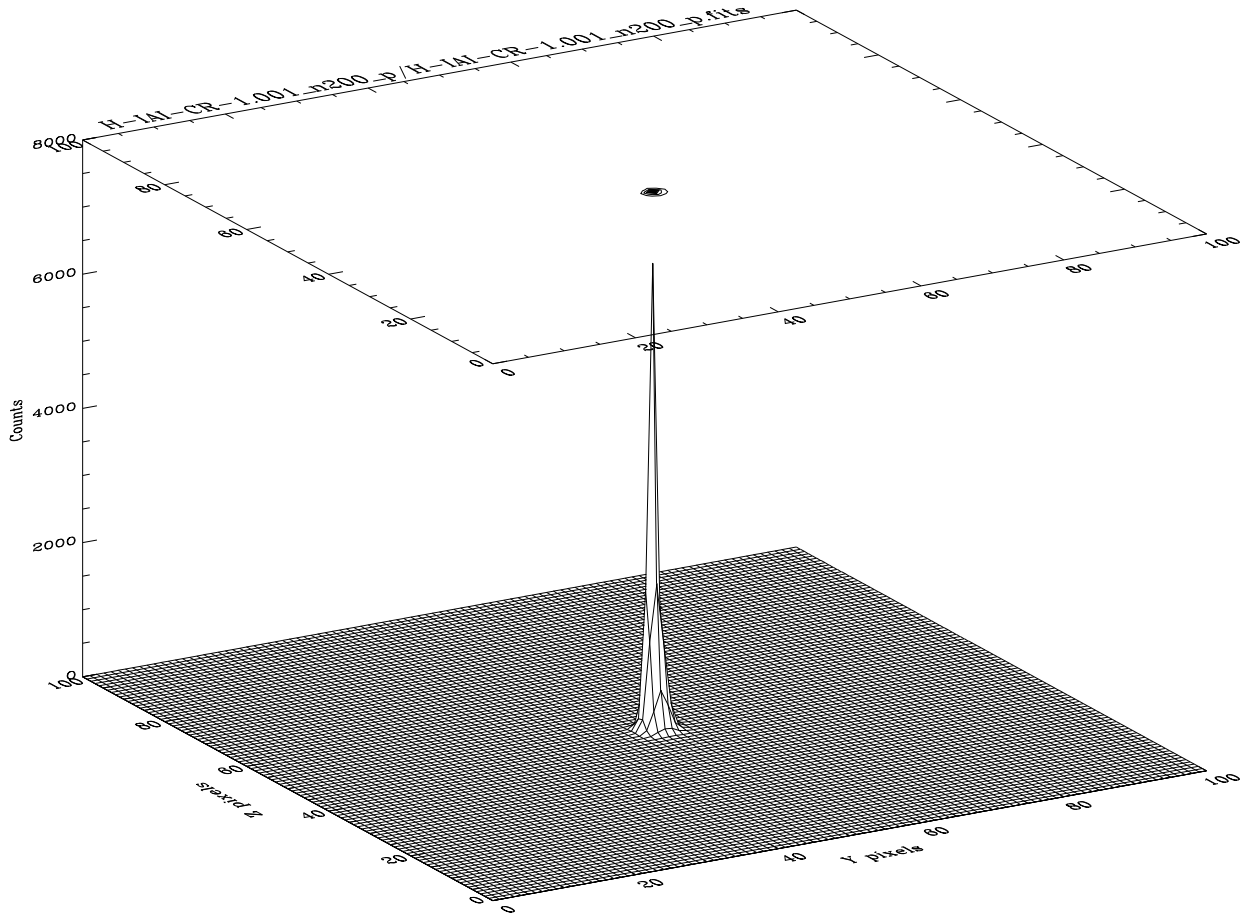
70% radius = 42.2661

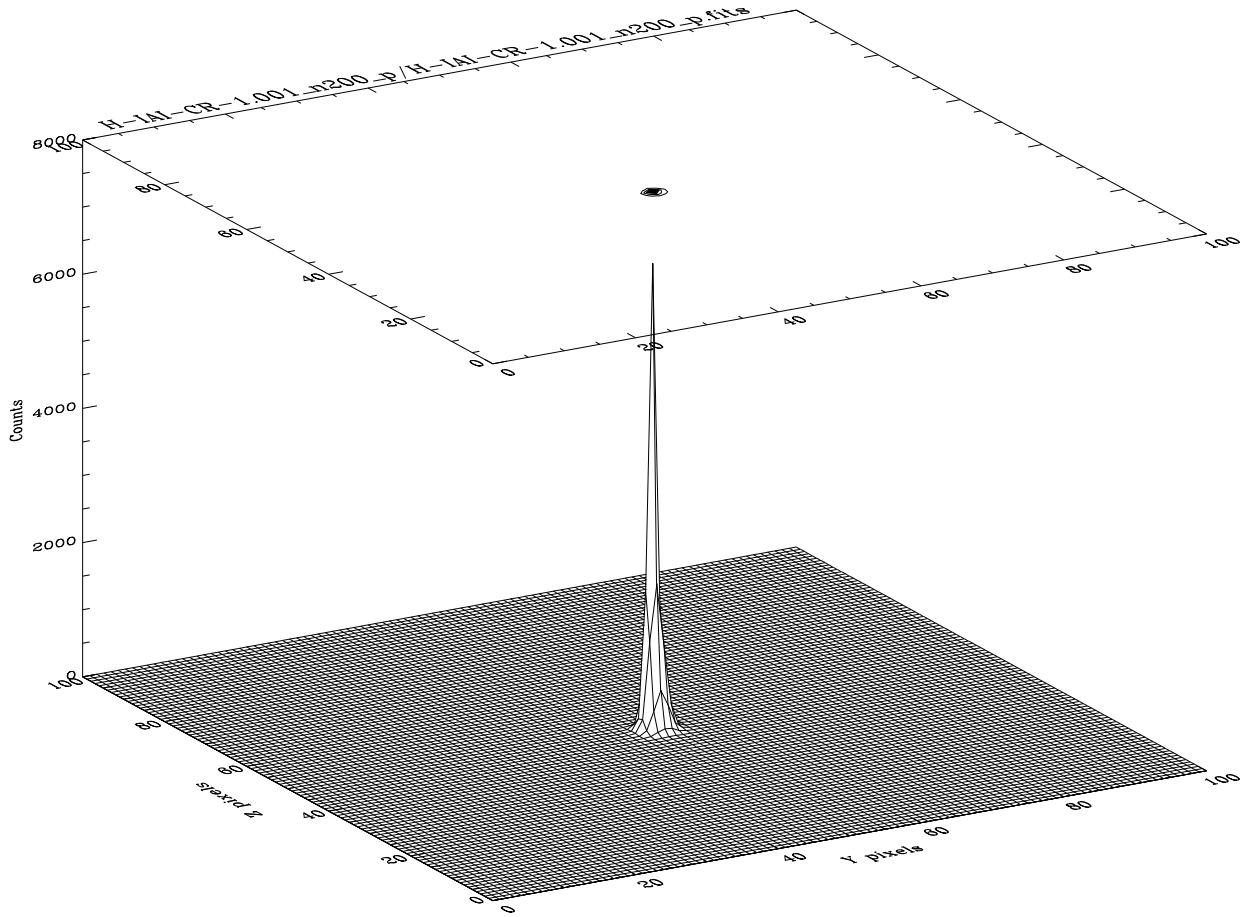
90% radius = 61.1785

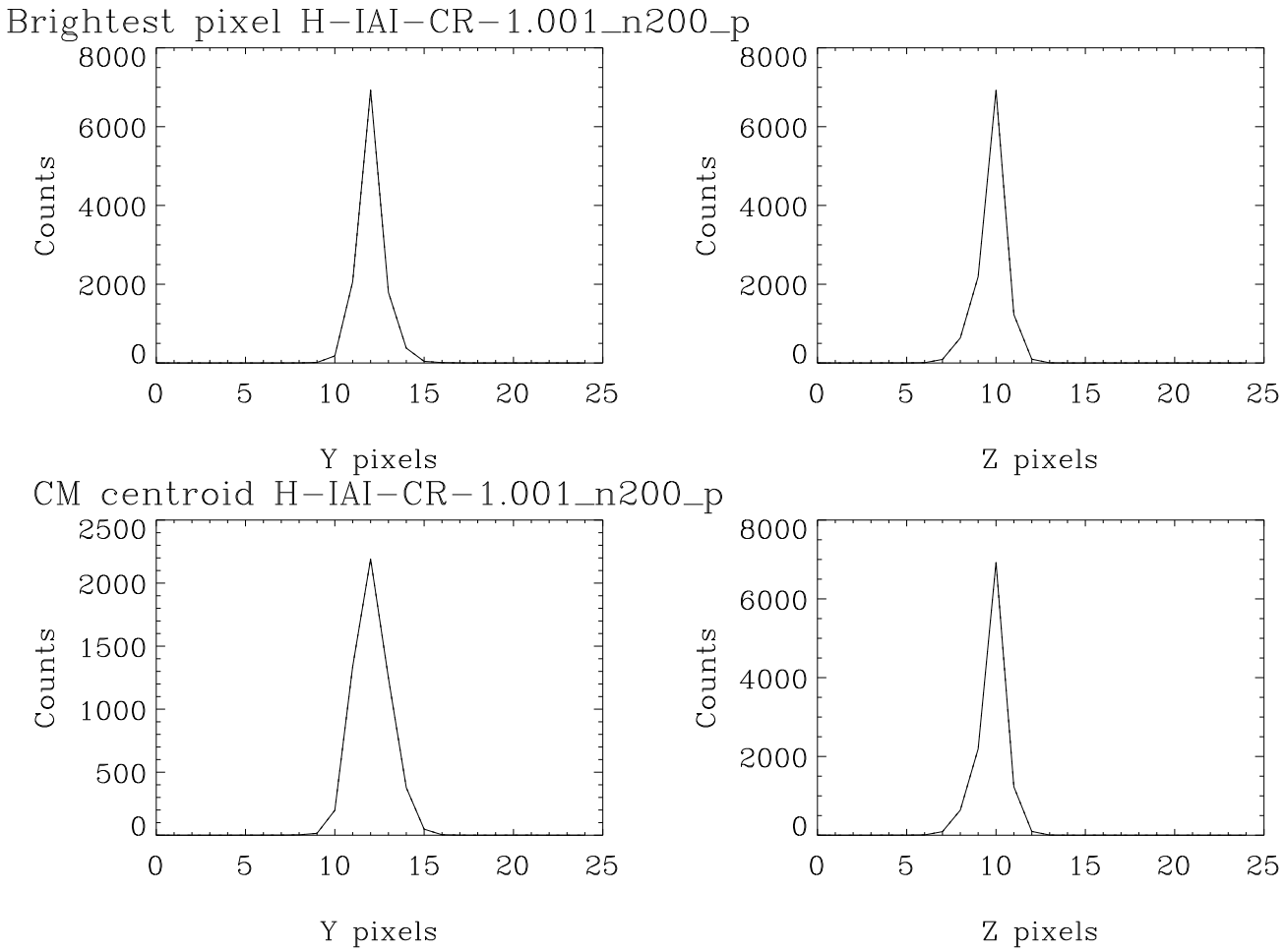

H-IAI-CR-1.001_n200_p/H-IAI-CR-1.001_n200_p.fits
1000.000
100.000
10.000
1.000
0.100
0.010
0.001
Average counts/pixel
1
10
100
Radius (pixels)


H-IAI-CR-1.001_n200_p/H-IAI-CR-1.001_n200_p.fits
8000
6000
4000
2000
Counts
100
80
60
40
20
0
x pixels
0
20
40
60
80
100
y pixels


H-IAI-CR-1.001_n200_p/H-IAI-CR-1.001_n200_p.fits
8000
6000
4000
2000
Counts
100
80
60
40
20
0
x pixels
0
20
40
60
80
100
y pixels


H_1AI_CR_1.001_n200_p/H_1AI_CR_1.001_n200_p.fits
8000
6000
4000
2000
Counts
100
80
60
40
20
0
X pixels
0
20
40
60
80
100
Y pixels


H_1AI_CR_1.001_n200_p/H_1AI_CR_1.001_n200_p.fits
8000
6000
4000
2000
Counts
100
80
60
40
20
0
X pixels
0
20
40
60
80
100
Y pixels



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

Brightest pixel (Y,Z)

All grades	12	10
Std. grades	12	10

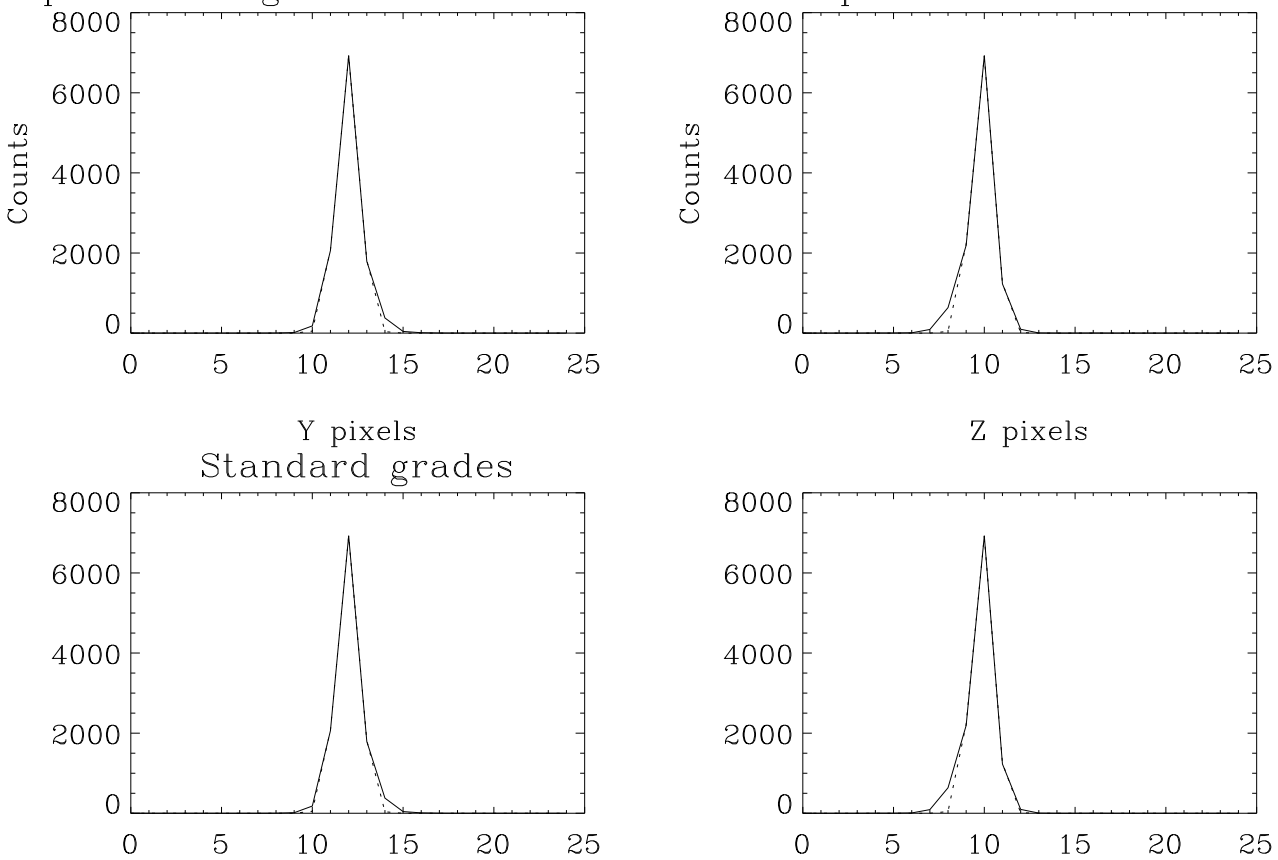
CM Centroid (Y,Z)

All grades	12.0657	9.70779
Std. grades	12.0657	9.70779

Brightest pixel maxima

All grades:	6929
Std. grades:	6929

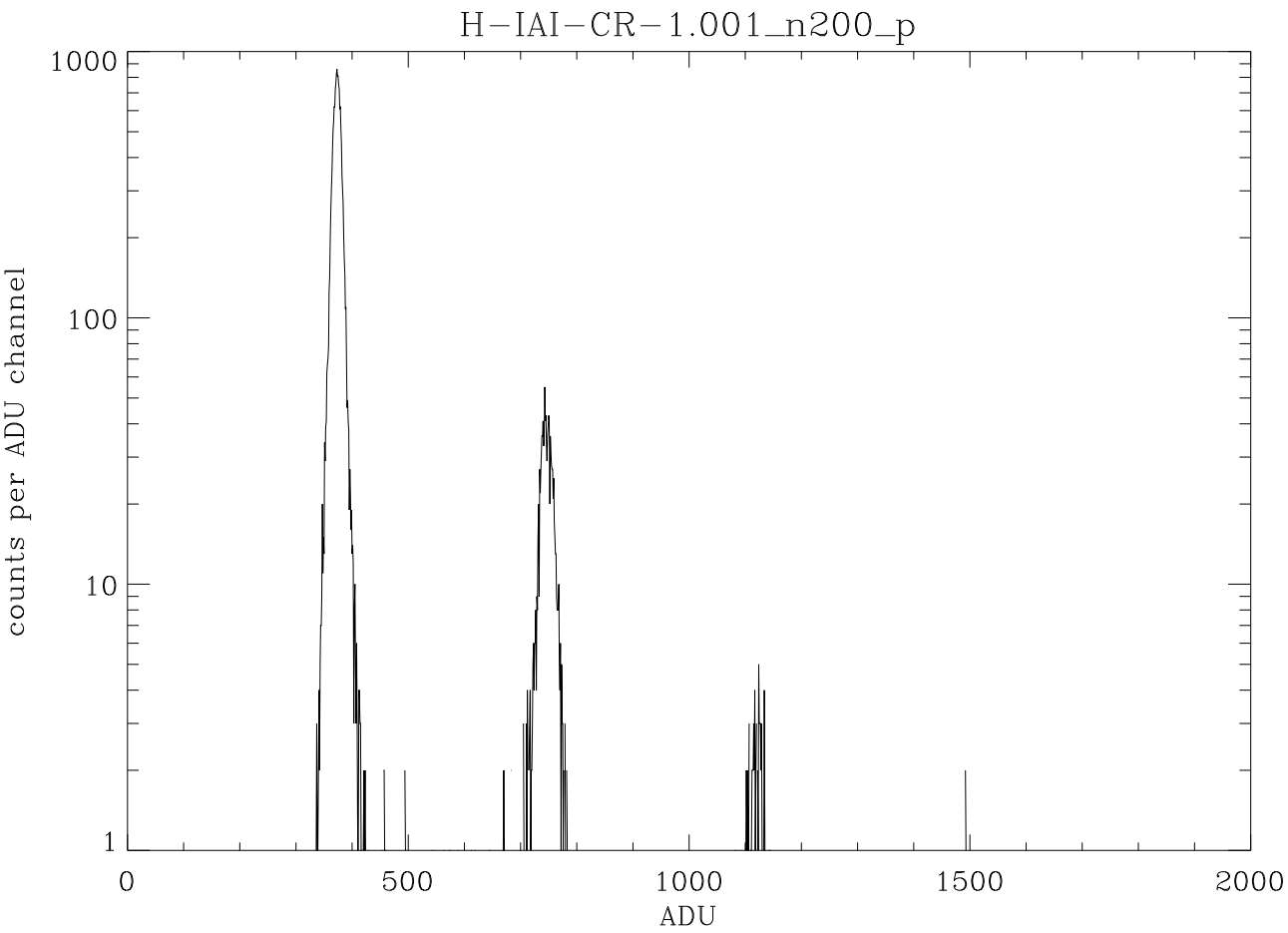
Brightest pixel – All grades H-IAI-CR-1.001_n200_p

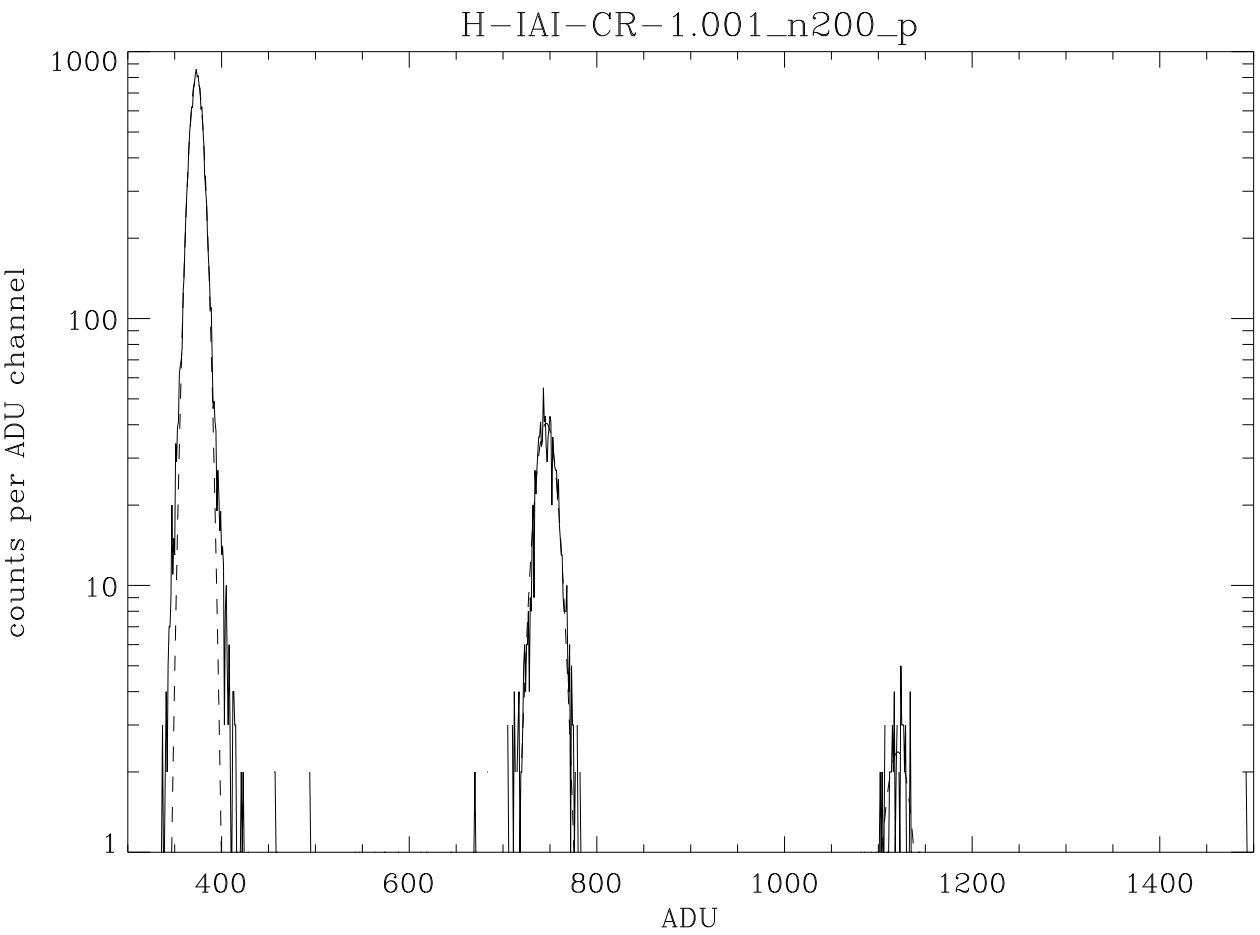


Total counts (area under gaussians, shown by dotted line)

	Integrated	Analytical
All Y	9892.5222	10893.730
Std Y	9892.5222	10893.730
All Z	8669.8083	10434.161
Std Z	8669.8083	10434.161

	amplitude	offset	sigma	FWHM
All Y:	6926.8169	11.973507	0.62741220	1.4769284
Std Y:	6926.8169	11.973507	0.62741220	1.4769284
All Z:	7019.2455	9.8987435	0.59303070	1.3959943
Std Z:	7019.2455	9.8987435	0.59303070	1.3959943


H−IAI−CR−1.001_n200_p
counts per ADU channel
1000
100
10
1
0
500
1000
1500
2000
ADU



area1 = 14663.062

area2 = 1092.2730

area3 = 73.346398

Analytical area estimates = 14663.059 1101.1949 77.621910

	amplitude	offset	sigma
gaussian1:	808.97359	373.25525	7.2310325
gaussian2:	40.537051	746.05603	10.837325
gaussian3:	2.3764296	1120.8255	13.030751

Pileup fraction, photons = 0.14088557
Pileup fraction, area = 0.073639705