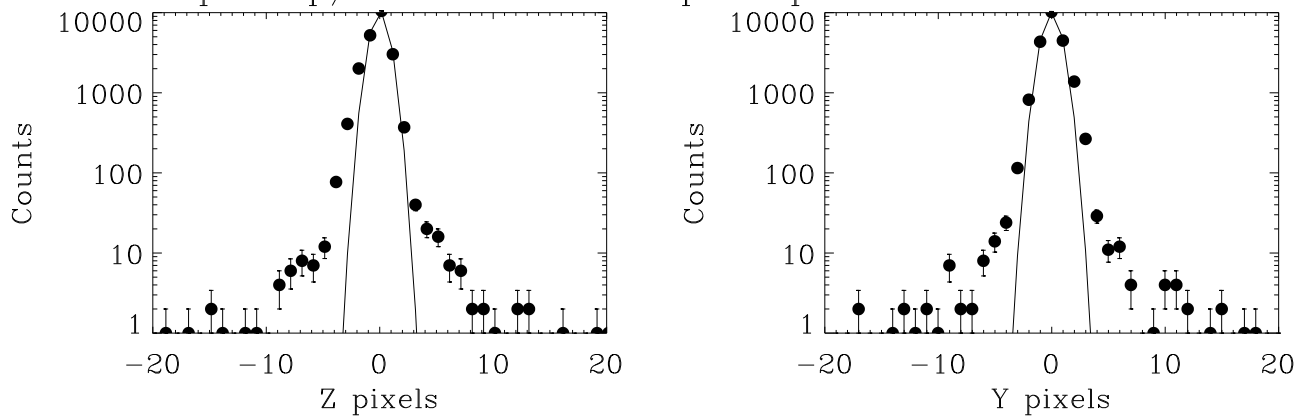
H-IAI-CR-1.001_p200_p/H-IAI-CR-1.001_p200_p.fits



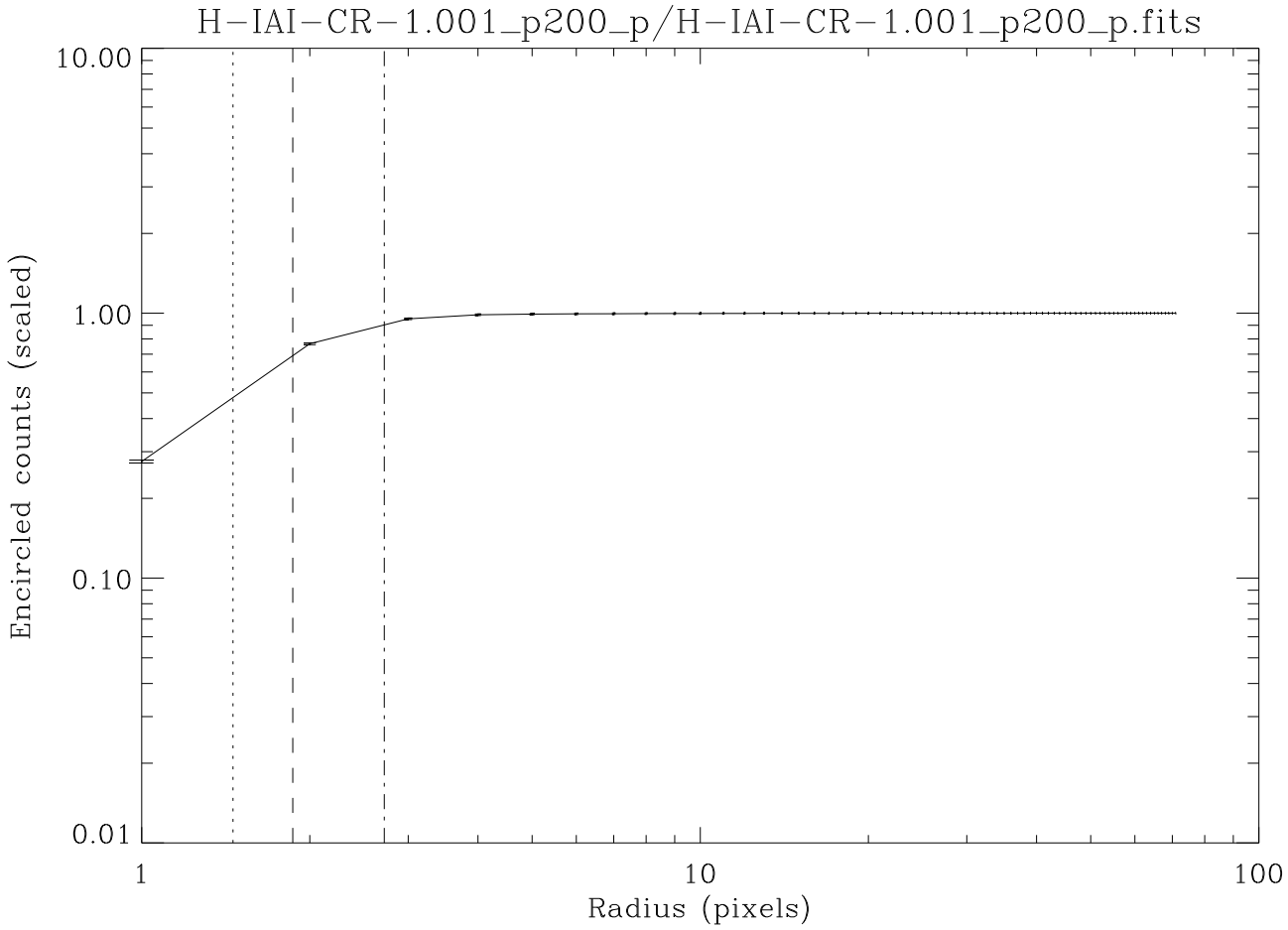
All measurements in pixels

Z gaussian FWHM = 1.7911444

Y gaussian FWHM = 1.8988981

Z fit parameters: Amplitude= 10495 Offset= 47 Sigma= 0

Y fit parameters: Amplitude= 10077 Offset= 50 Sigma= 0



Encircled energy radii in pixels

50% radius = 1.45704

70% radius = 1.86404

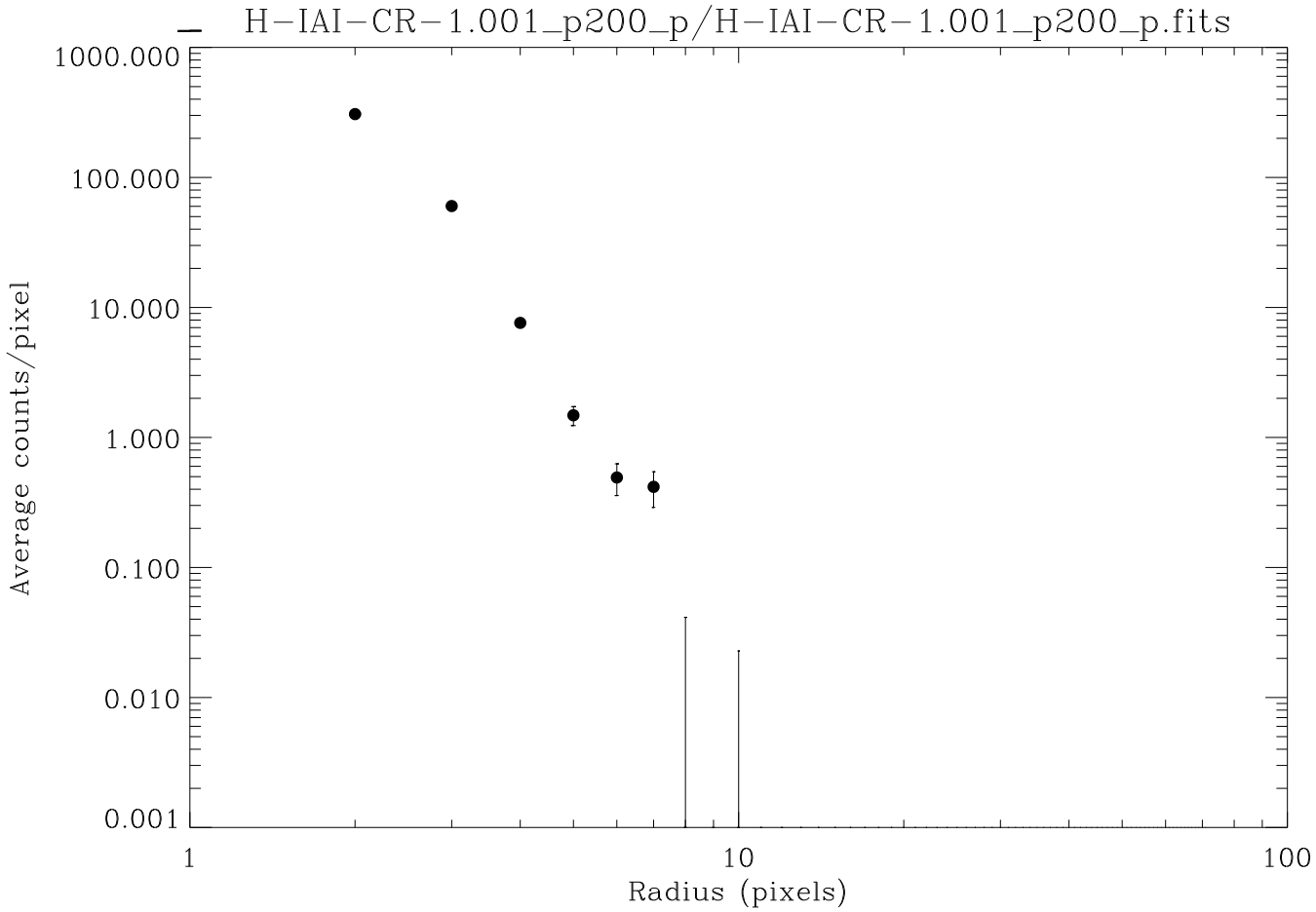
90% radius = 2.71812

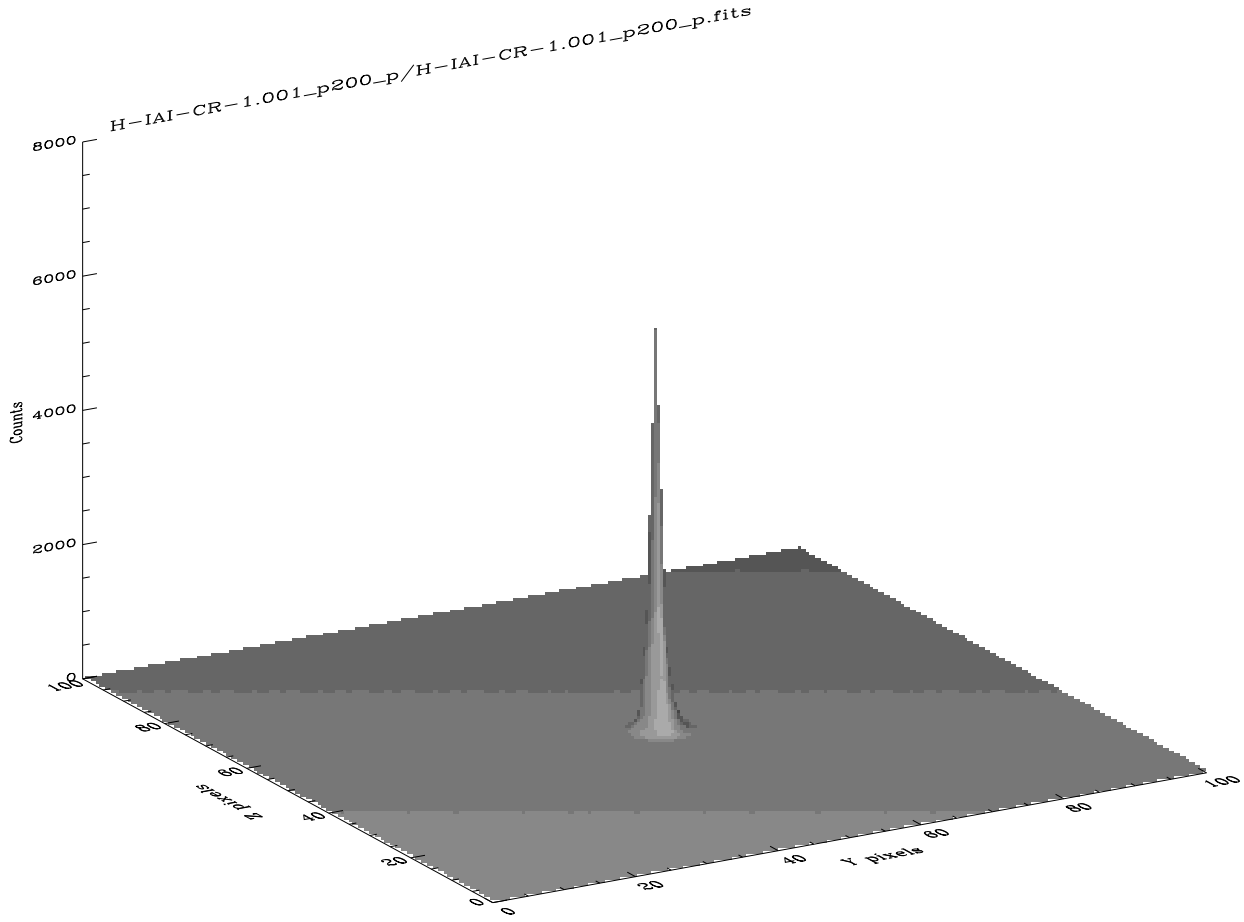
Encircled energy radii in microns

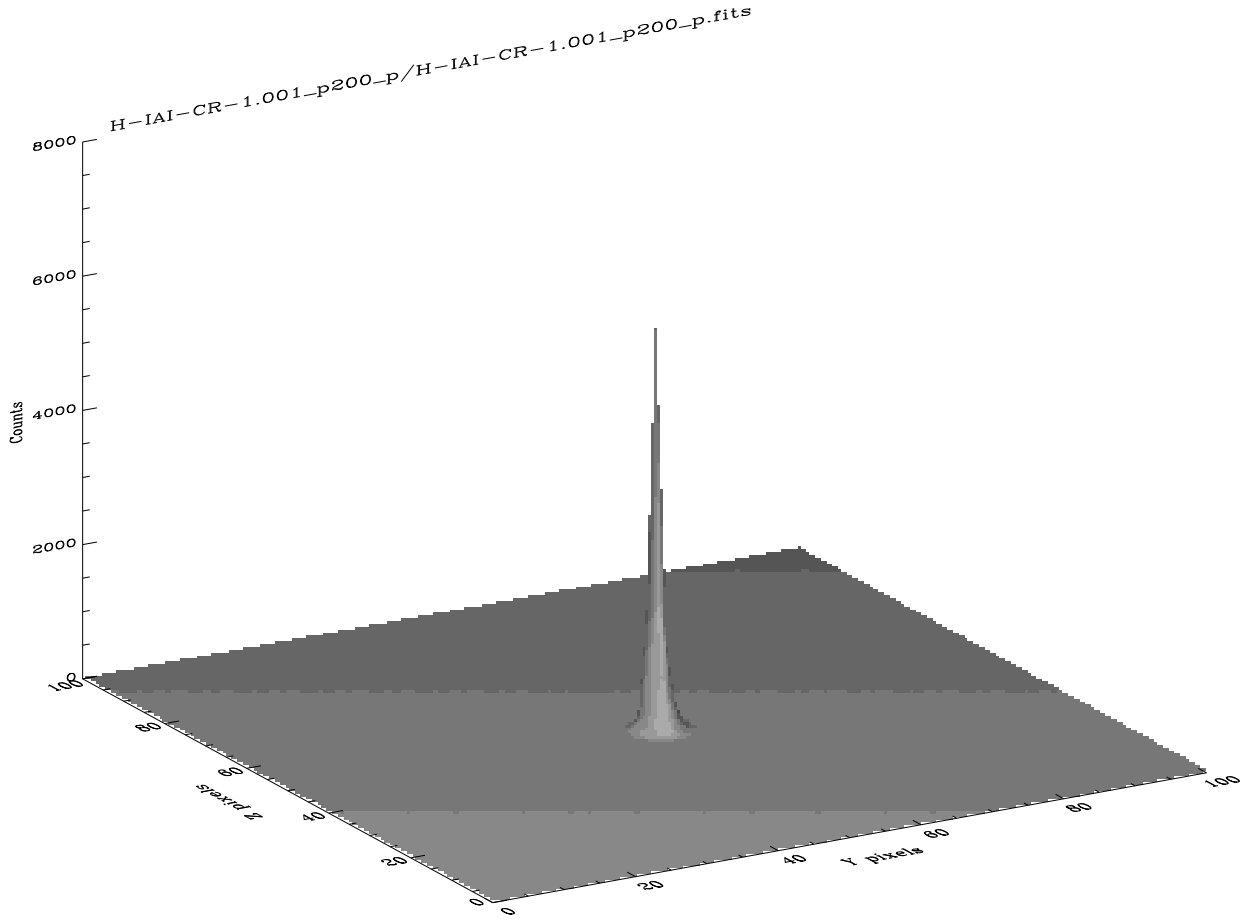
50% radius = 34.9690

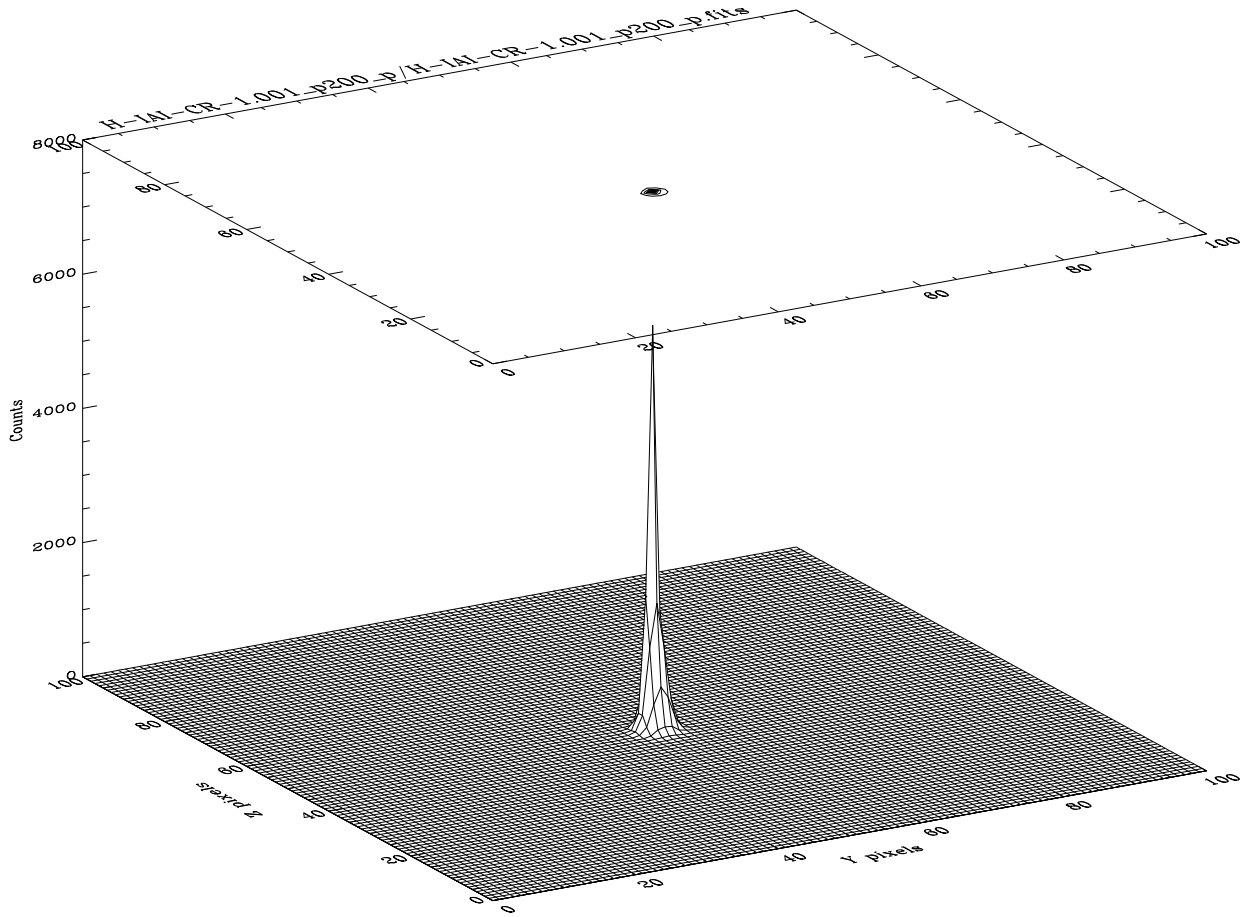
70% radius = 44.7369

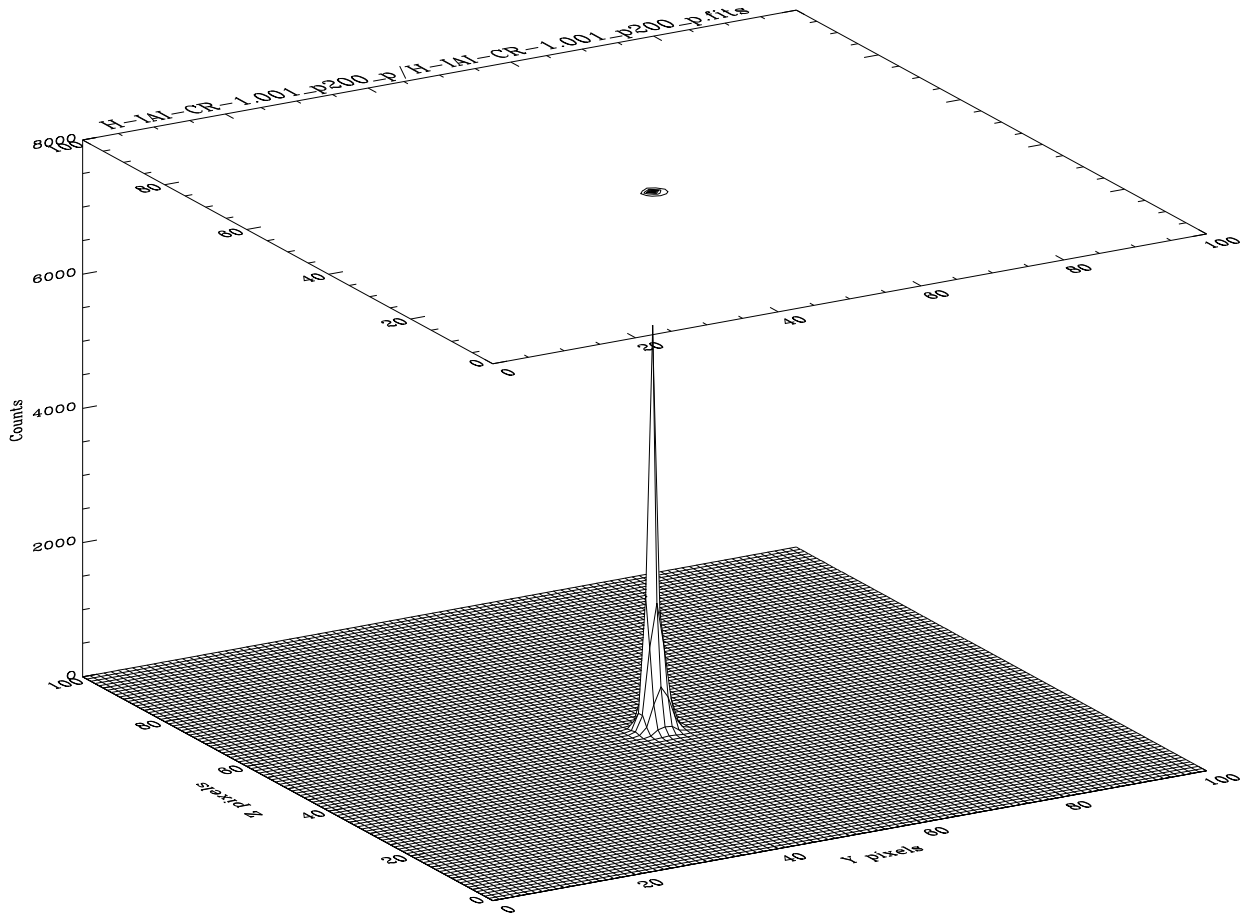
90% radius = 65.2348

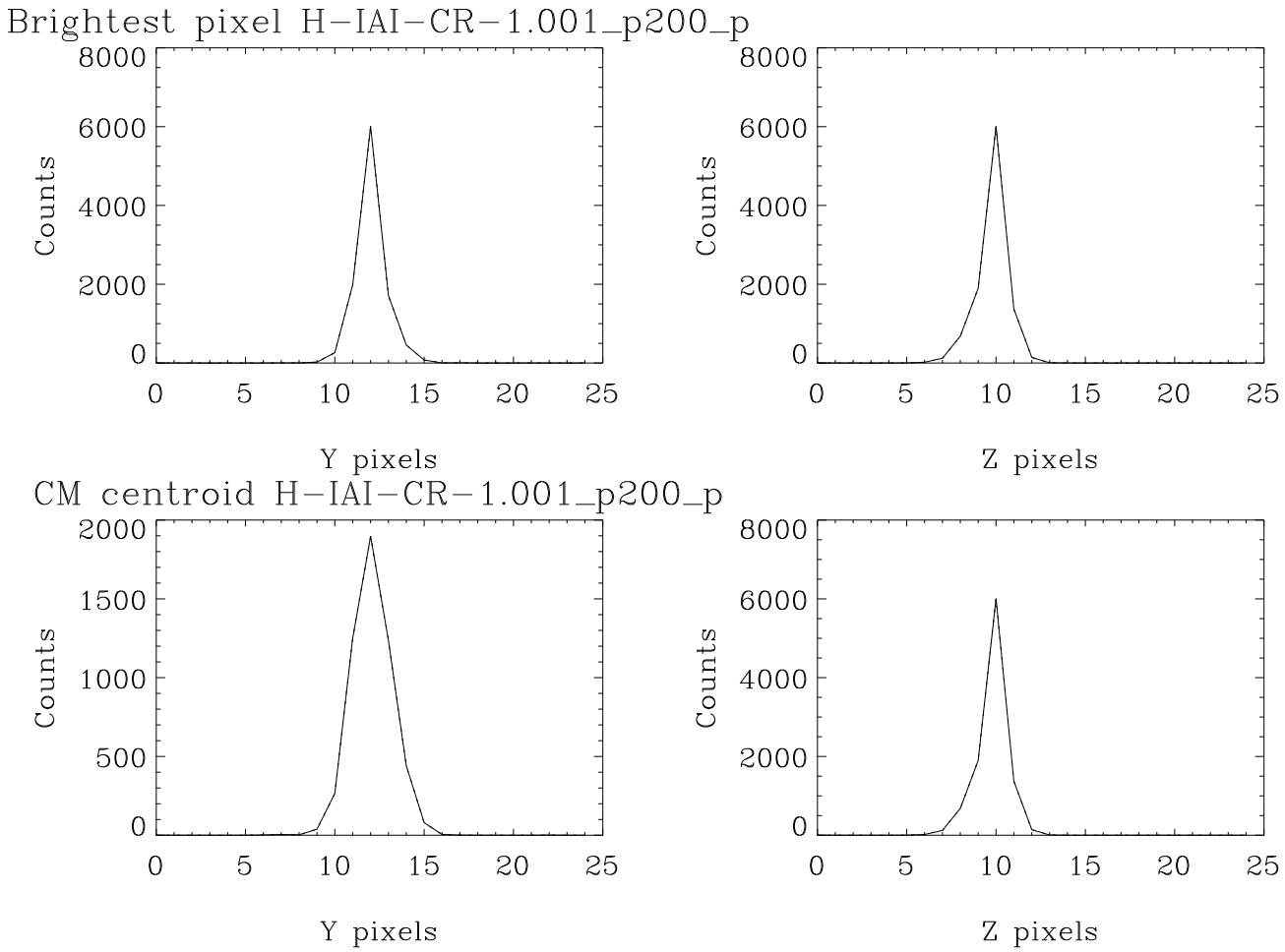

H-IAI-CR-1.001_p200_p/H-IAI-CR-1.001_p200_p.fits
1000.000
100.000
10.000
1.000
0.100
0.010
0.001
Average counts/pixel
1
10
100
Radius (pixels)


H-IAI-CR-1.001-p200-p/H-IAI-CR-1.001-p200-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-p200-p/H-IAI-CR-1.001-p200-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_p200_p/H_1AI_CR_1.001_p200_p.fits
8000
6000
4000
2000
Counts
0
20
40
60
80
100
X pixels
Y pixels


H_1AI_CR_1.001_p200_p/H_1AI_CR_1.001_p200_p.fits
8000
6000
4000
2000
Counts
0
20
40
60
80
100
X pixels
Y pixels



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

Brightest pixel (Y,Z)

All grades	12	10
Std. grades	12	10

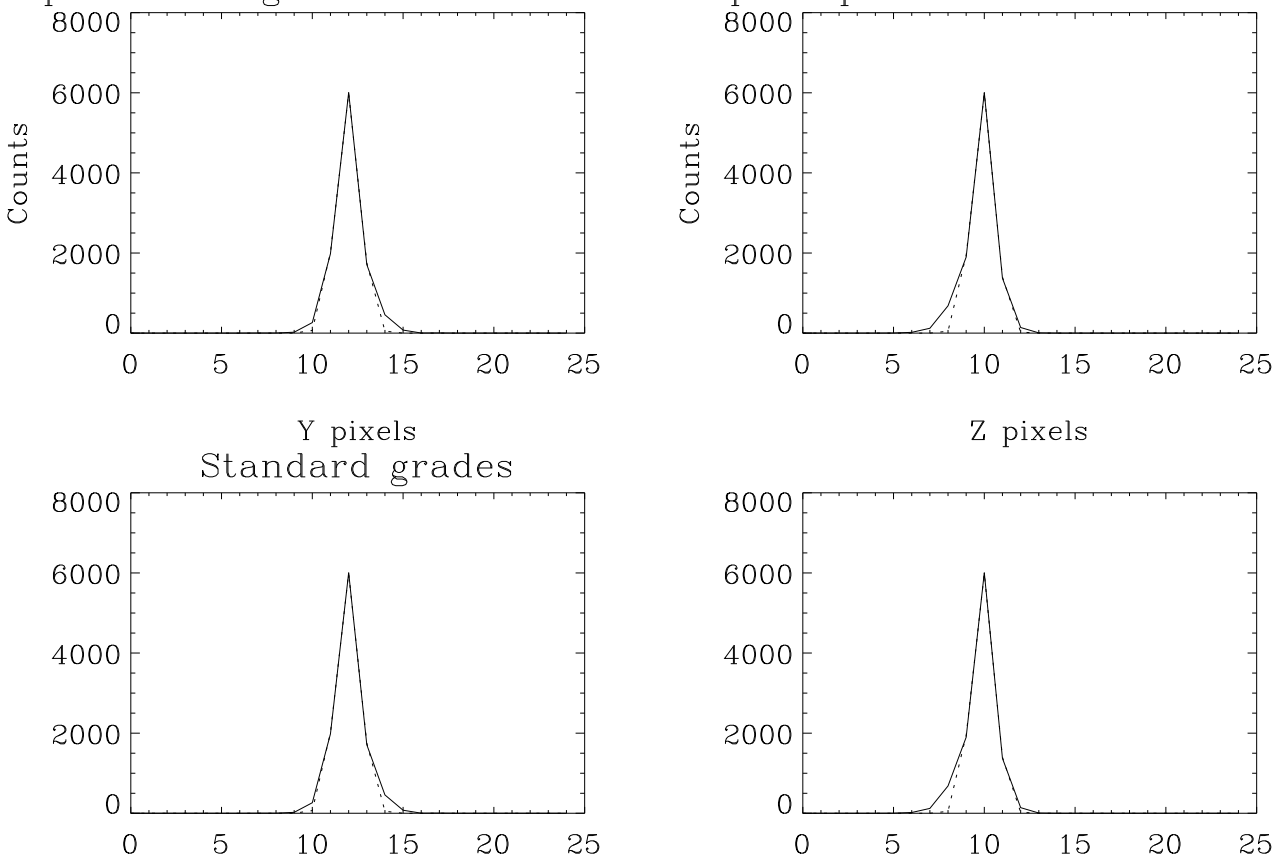
CM Centroid (Y,Z)

All grades	12.0801	9.68759
Std. grades	12.0801	9.68759

Brightest pixel maxima

All grades:	6008
Std. grades:	6008

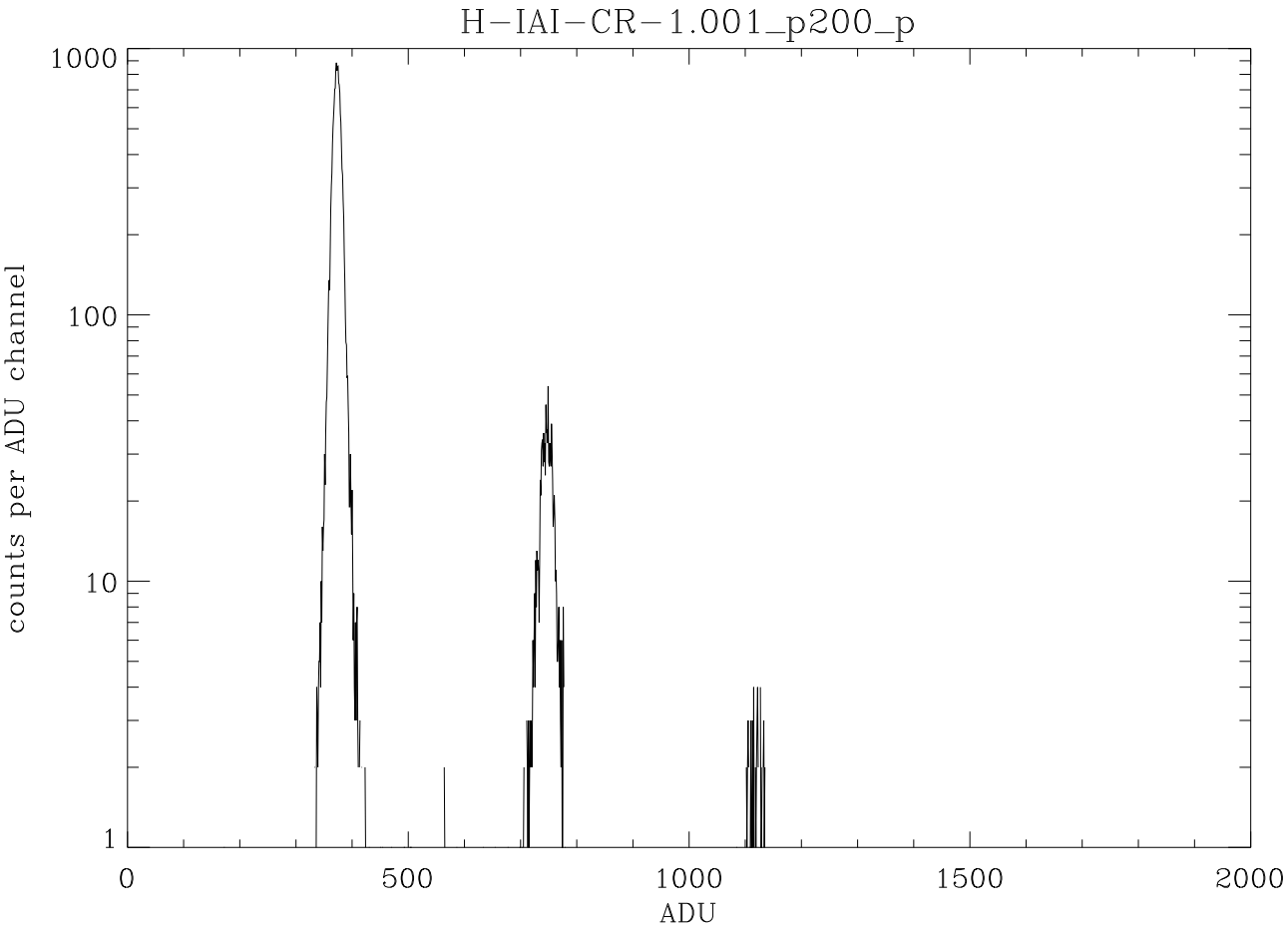
Brightest pixel – All grades H-IAI-CR-1.001_p200_p

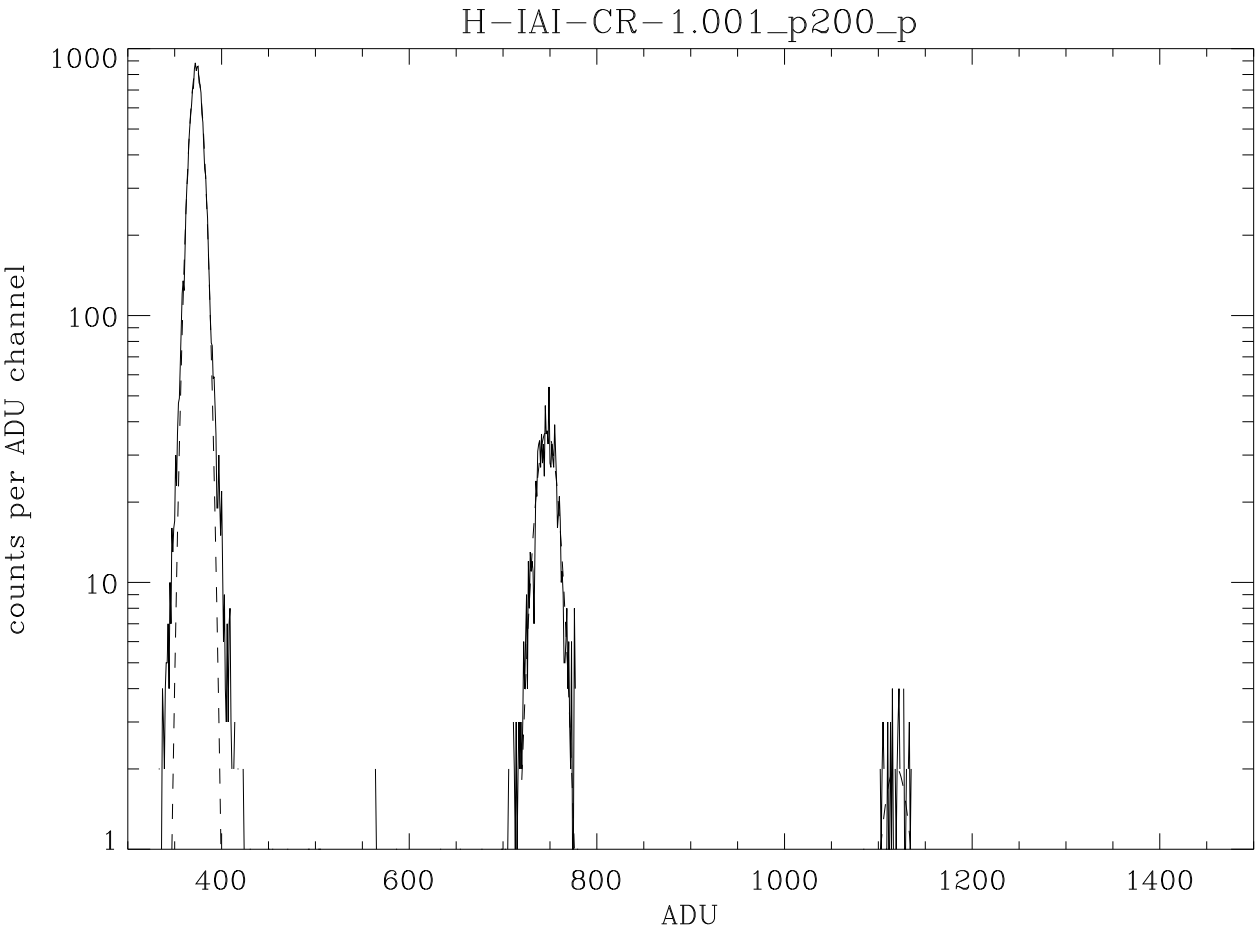


Total counts (area under gaussians, shown by dotted line)

	Integrated	Analytical
All Y	9146.5728	9870.2686
Std Y	9146.5728	9870.2686
All Z	8002.0932	9403.8369
Std Z	8002.0932	9403.8369

	amplitude	offset	sigma	FWHM
All Y:	5996.9496	11.970647	0.65661174	1.5456641
Std Y:	5996.9496	11.970647	0.65661174	1.5456641
All Z:	6022.6890	9.9362119	0.62290916	1.4663282
Std Z:	6022.6890	9.9362119	0.62290916	1.4663282


H−IAI−CR−1.001_p200_p
1000
100
10
1
counts per ADU channel
0
500
1000
1500
2000
ADU



area1 = 15017.730

area2 = 1004.4685

area3 = 63.331462

Analytical area estimates = 15017.728 1011.5903 69.349749

	amplitude	offset	sigma
gaussian1:	840.47896	373.19575	7.1283244
gaussian2:	37.063028	746.73383	10.888645
gaussian3:	2.0365270	1118.4937	13.585161

Pileup fraction, photons = 0.12772112
Pileup fraction, area = 0.066382639