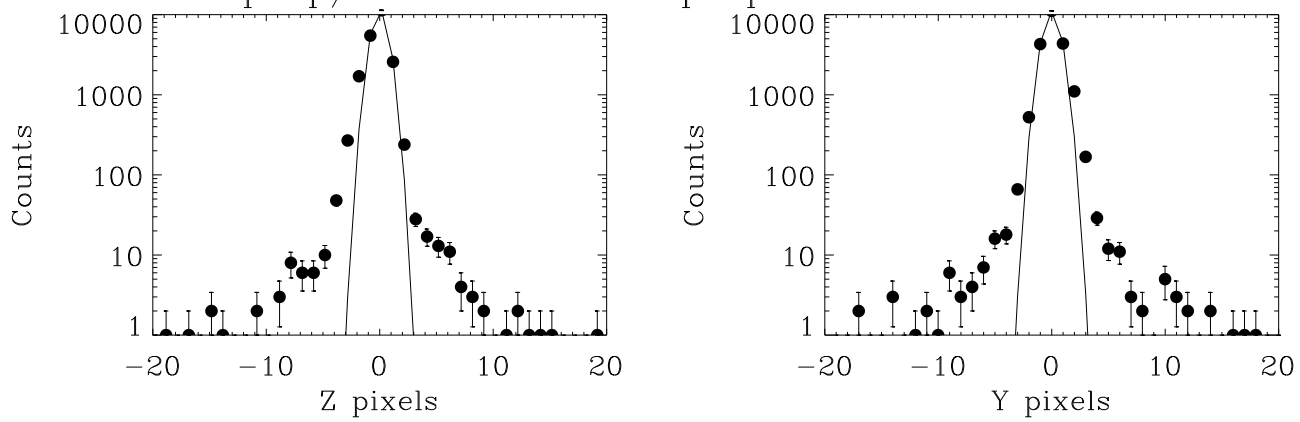
H-IAI-CR-1.001_p0_p/H-IAI-CR-1.001_p0_p.fits



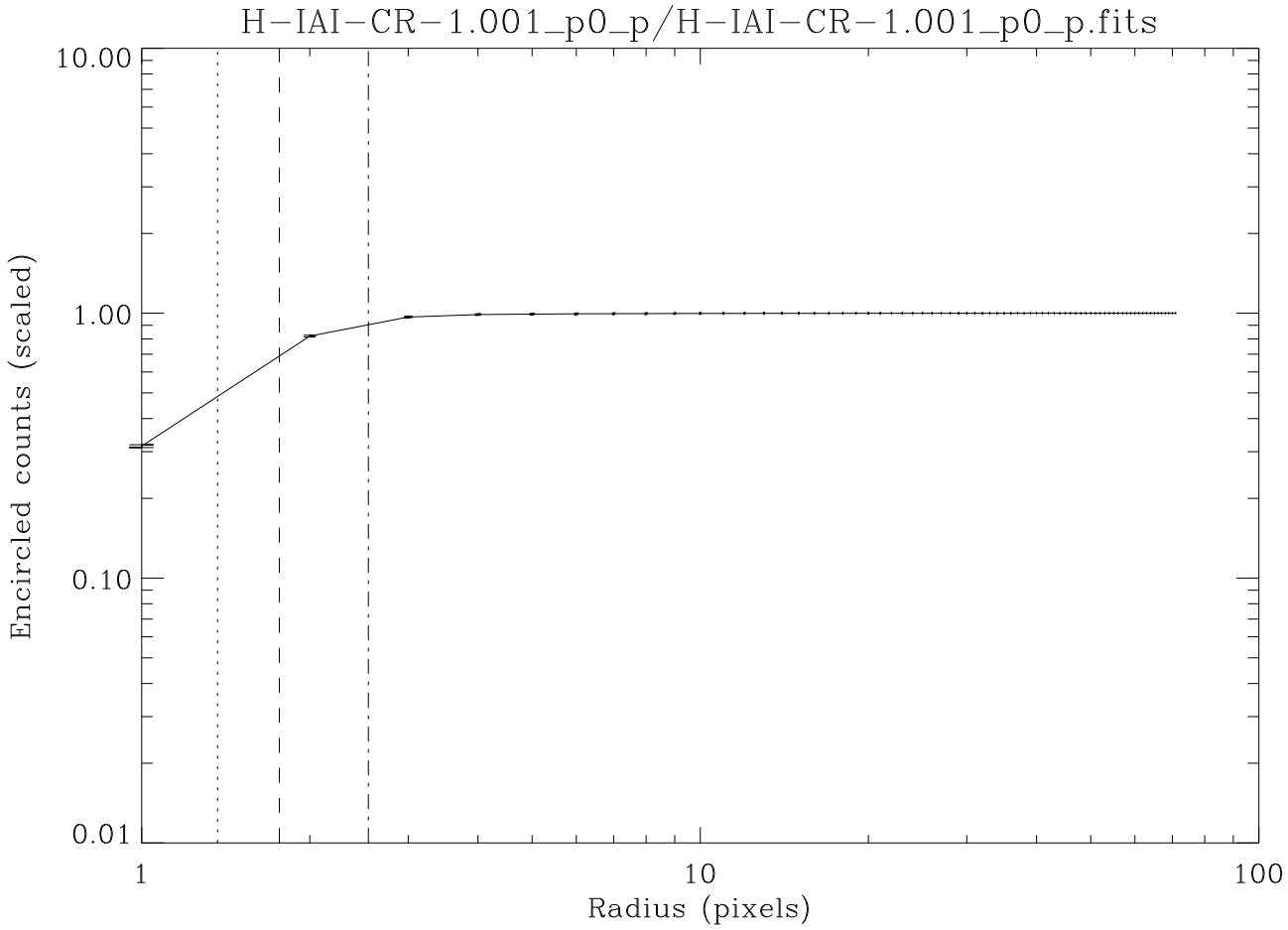
All measurements in pixels

Z gaussian FWHM = 1.6367490

Y gaussian FWHM = 1.7490702

Z fit parameters: Amplitude= 11586 Offset= 47 Sigma= 0

Y fit parameters: Amplitude= 11059 Offset= 50 Sigma= 0



Encircled energy radii in pixels

50% radius = 1.36707

70% radius = 1.76363

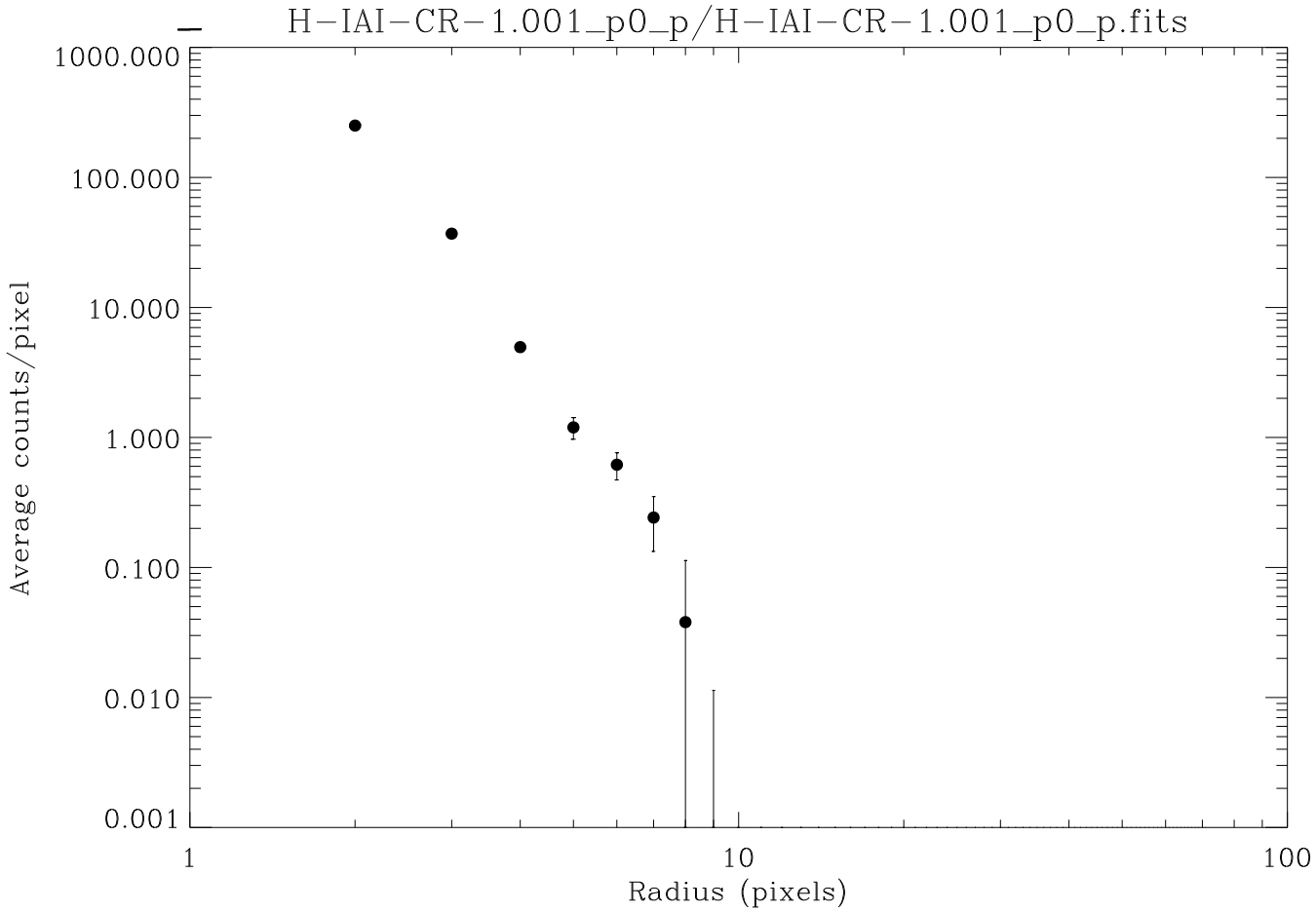
90% radius = 2.54567

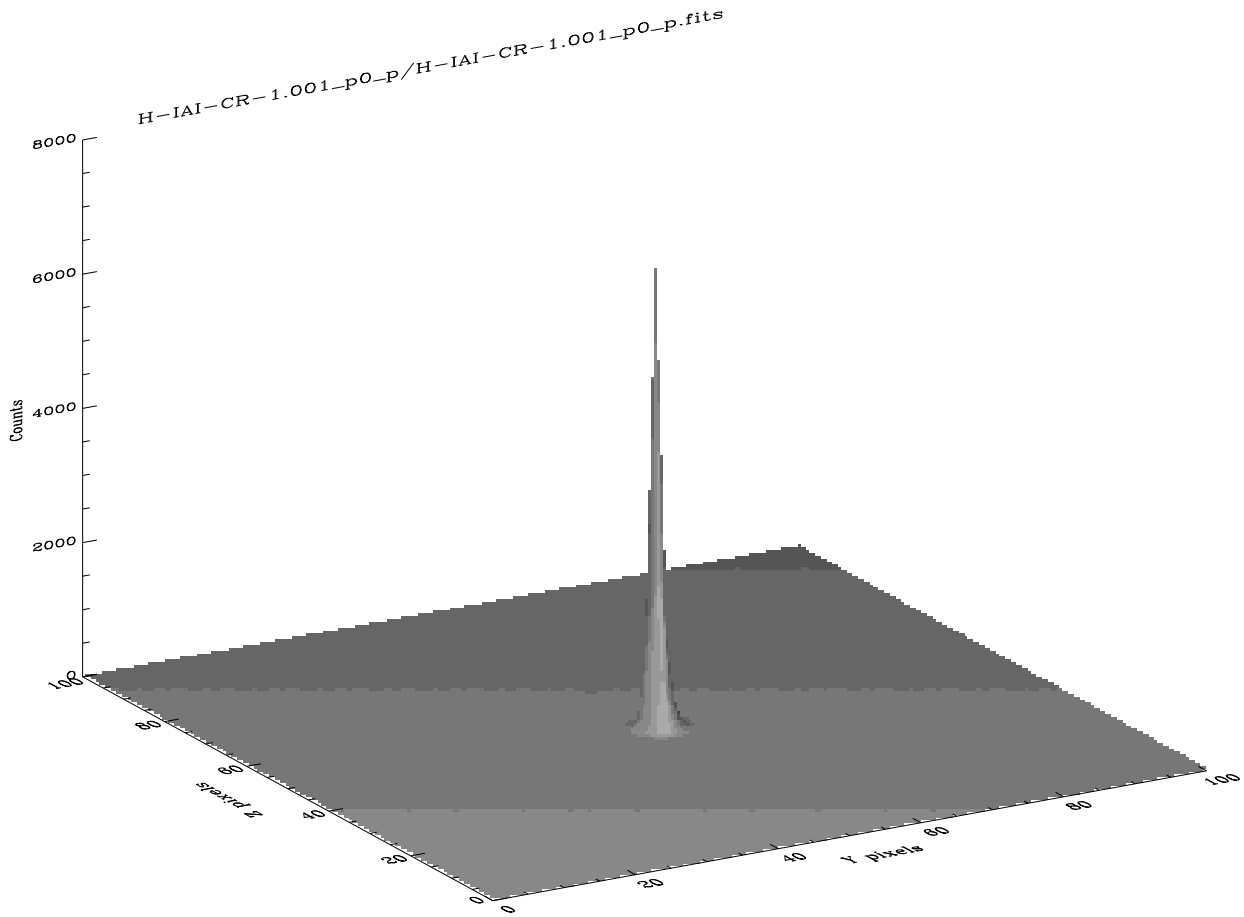
Encircled energy radii in microns

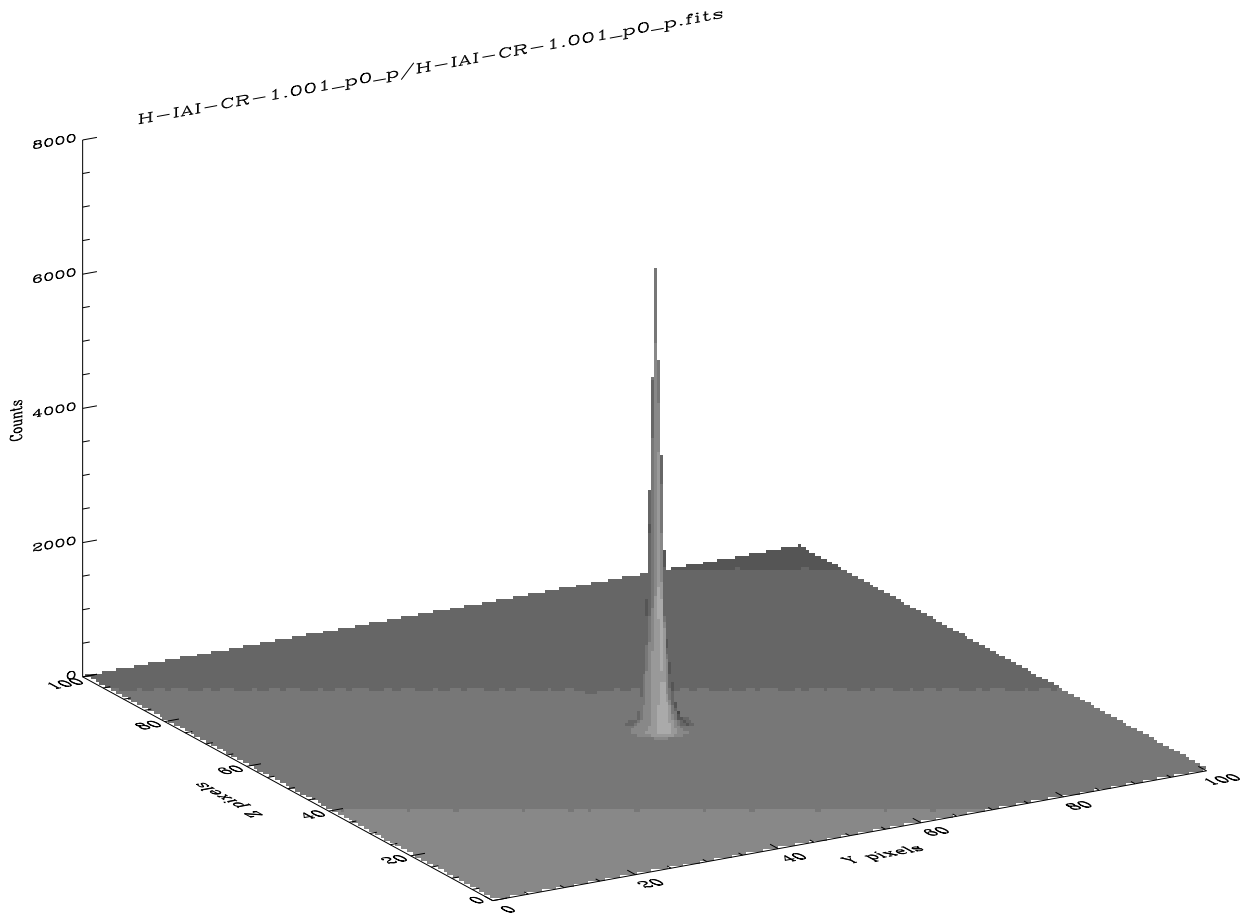
50% radius = 32.8097

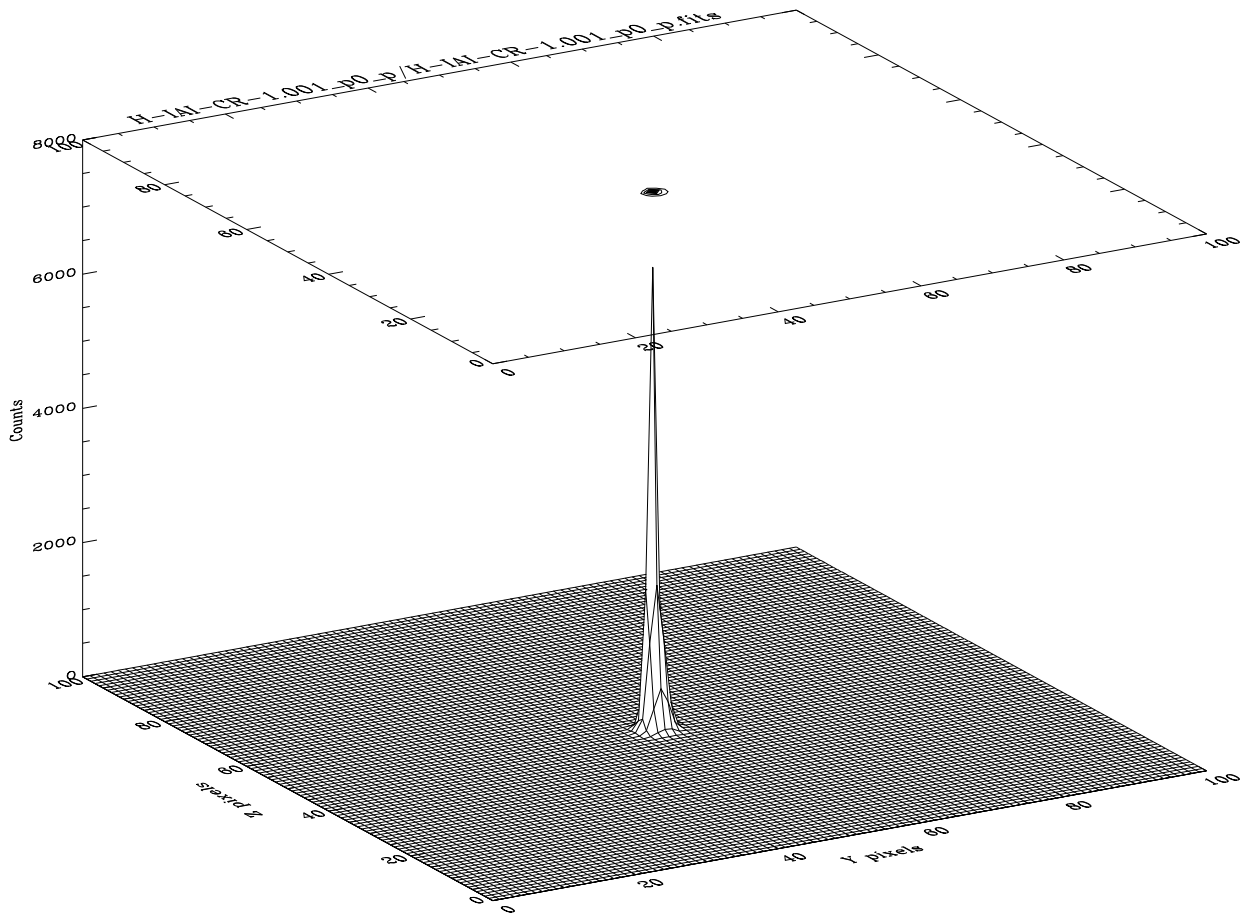
70% radius = 42.3272

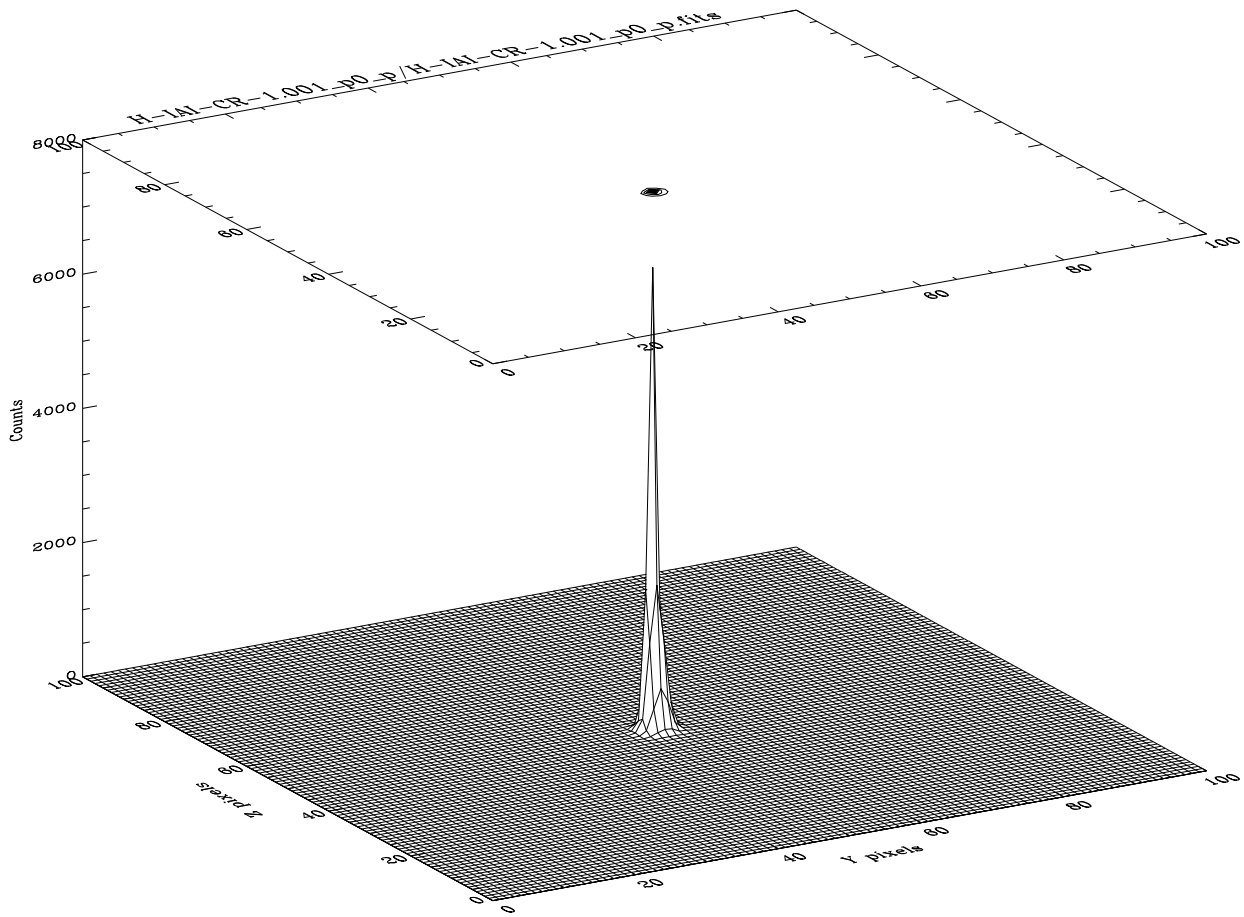
90% radius = 61.0960

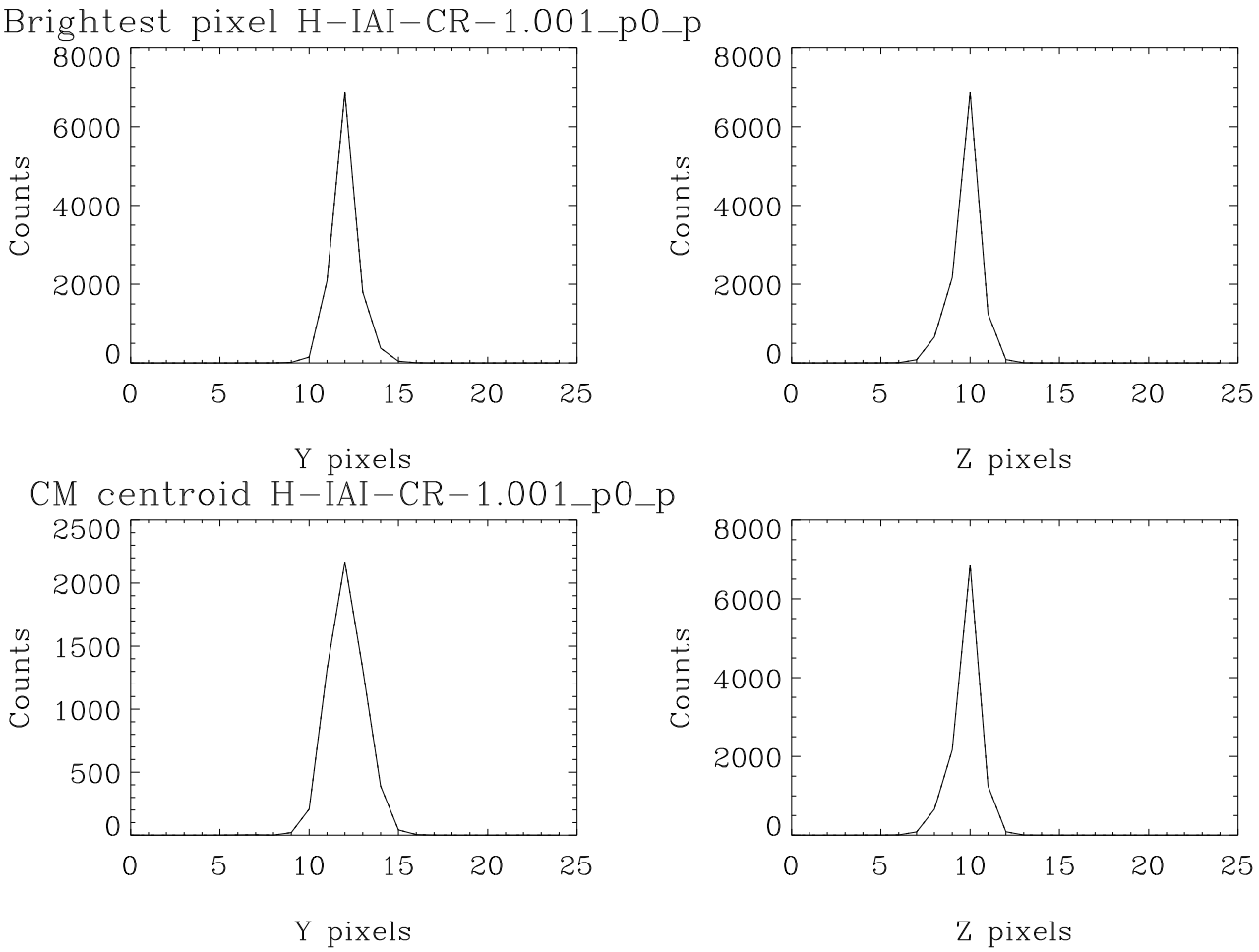

H-IAI-CR-1.001_p0_p/H-IAI-CR-1.001_p0_p.fits
1000.000
100.000
10.000
1.000
0.100
0.010
0.001
Average counts/pixel
1
10
100
Radius (pixels)


H-IAI-CR-1.001-p0-p/H-IAI-CR-1.001-p0-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-p0-p/H-IAI-CR-1.001-p0-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_p0_p/H_1AI_CR_1.001_p0_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_p0_p/H_1AI_CR_1.001_p0_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

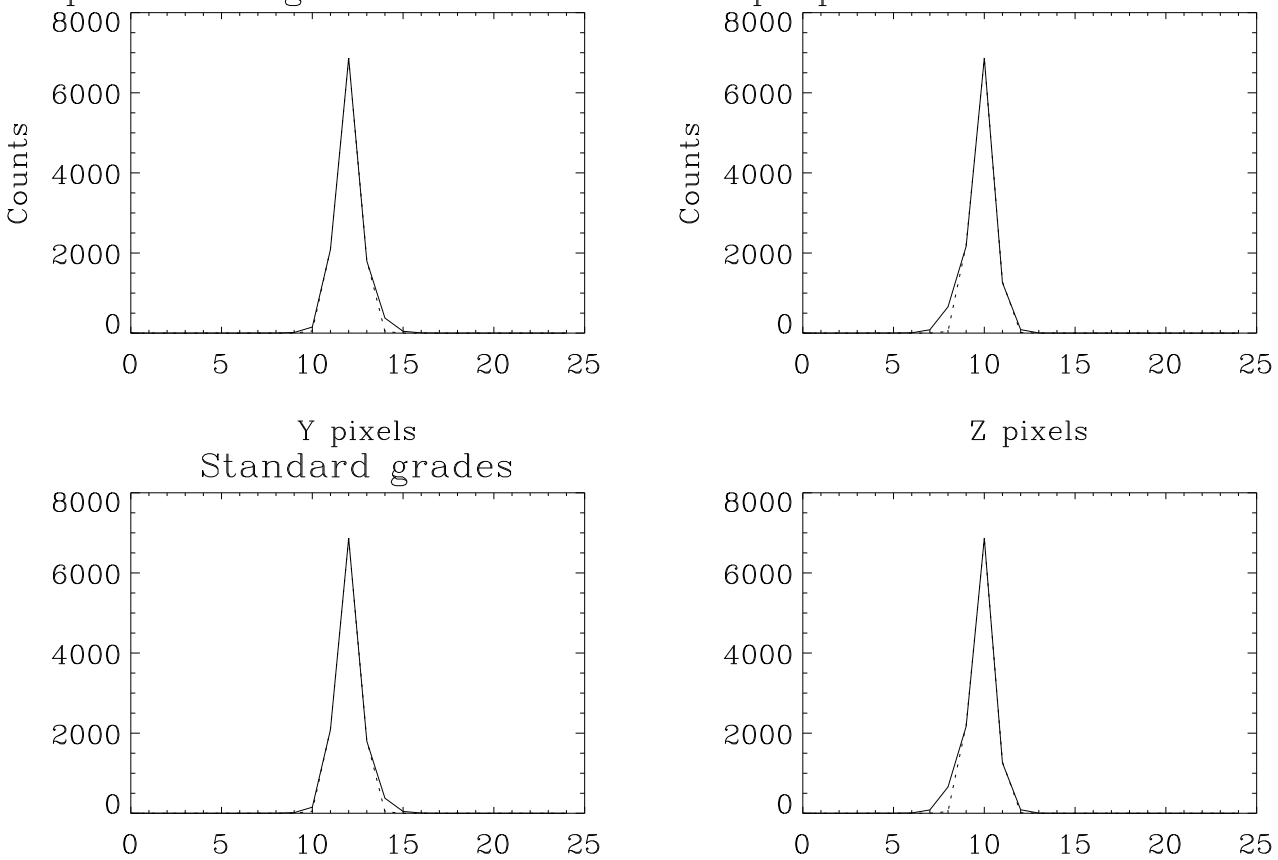
CM Centroid (Y,Z)

All grades	12.0717	9.69498
Std. grades	12.0717	9.69498

Brightest pixel maxima

All grades:	6869
Std. grades:	6869

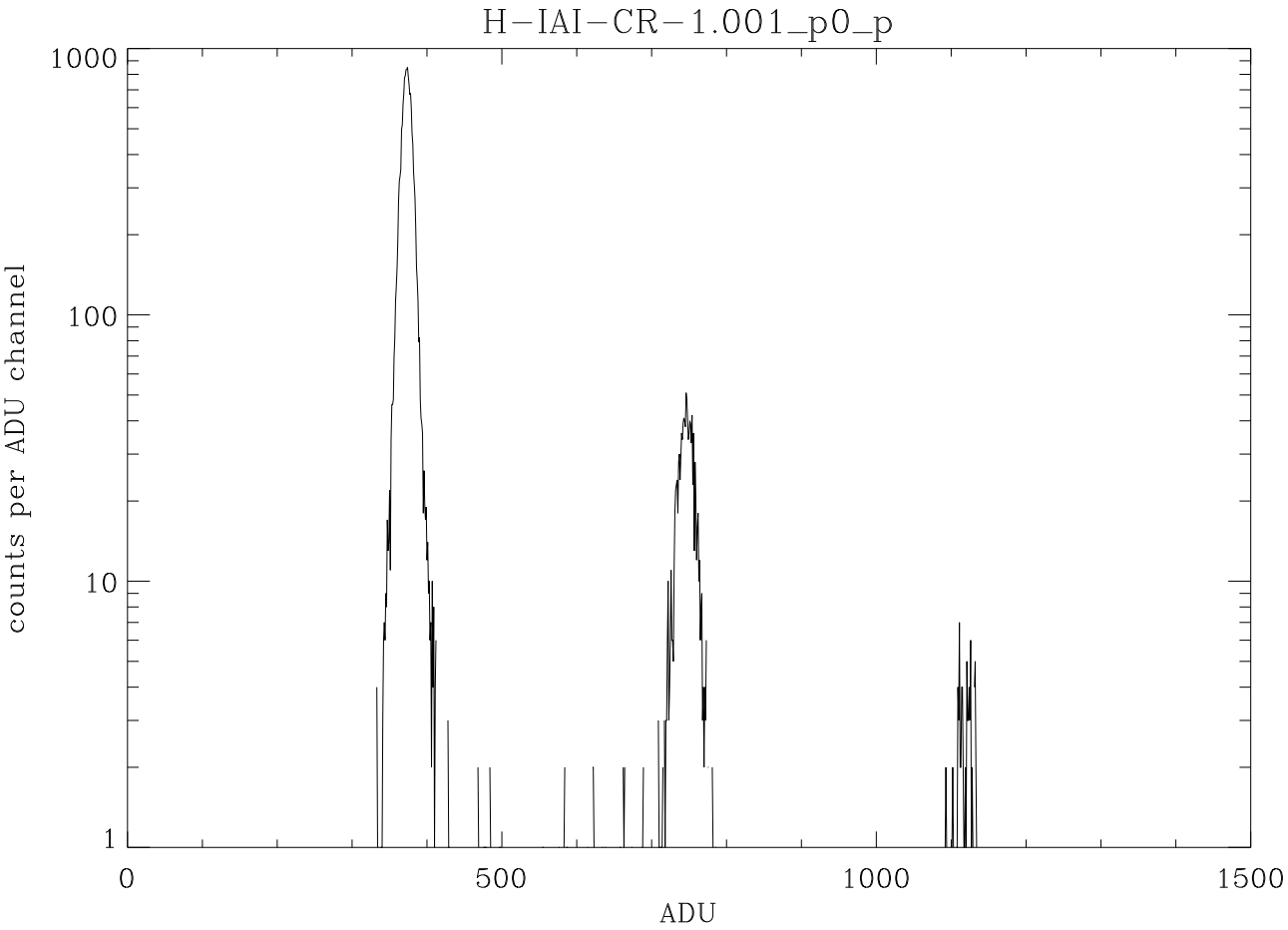
Brightest pixel – All grades H-IAI-CR-1.001_p0_p

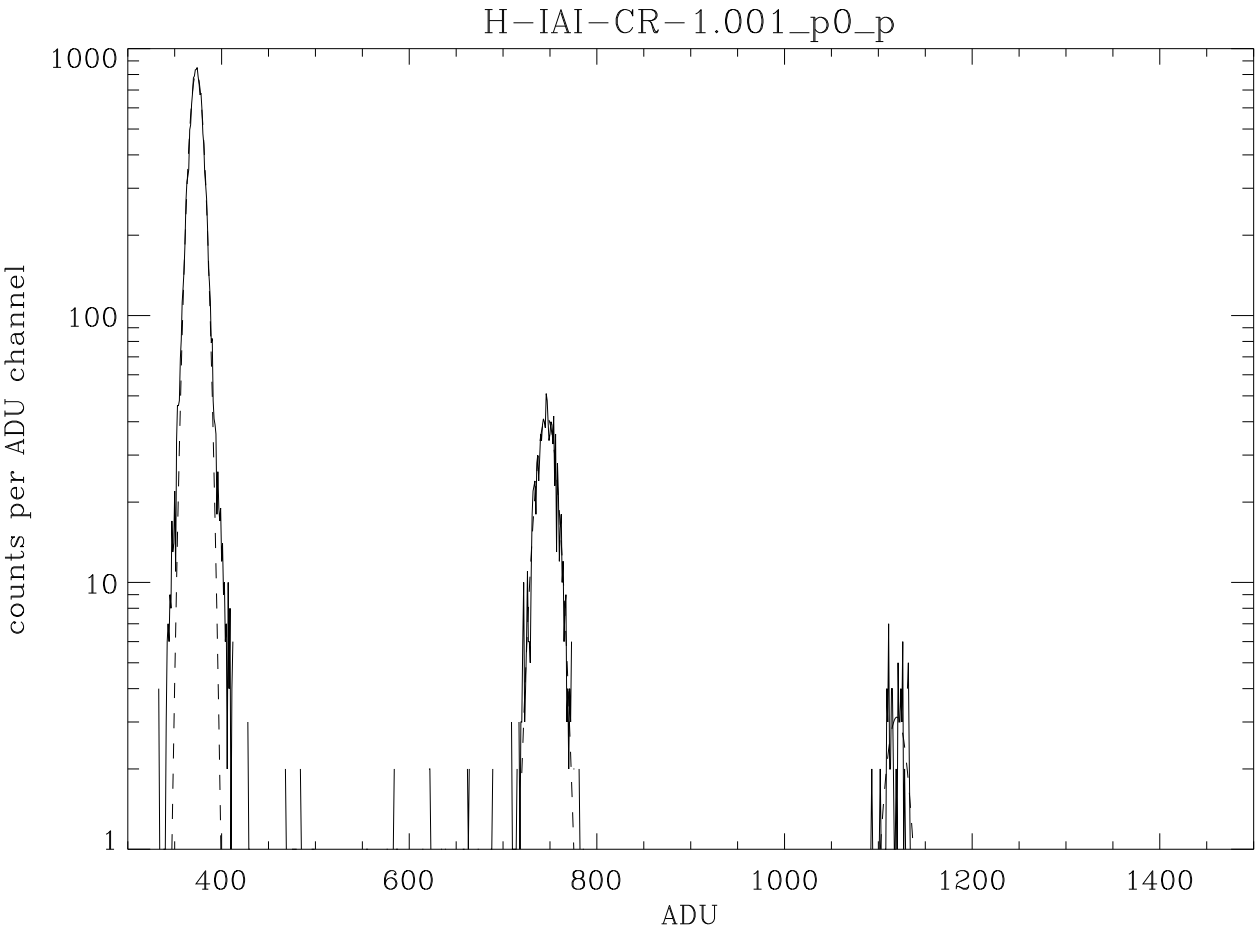


Total counts (area under gaussians, shown by dotted line)

	Integrated	Analytical
All Y	9899.8212	10869.264
Std Y	9899.8212	10869.264
All Z	8650.4274	10384.793
Std Z	8650.4274	10384.793

	amplitude	offset	sigma	FWHM
All Y:	6867.5326	11.972217	0.63140714	1.4863325
Std Y:	6867.5326	11.972217	0.63140714	1.4863325
All Z:	6946.8338	9.9038287	0.59637717	1.4038719
Std Z:	6946.8338	9.9038287	0.59637717	1.4038719


H-IAI-CR-1.001_p0_p
1000
100
10
1
counts per ADU channel
0
500
1000
1500
ADU



area1 = 14628.434

area2 = 1107.1772

area3 = 87.136321

Analytical area estimates = 14628.432 1114.4890 91.263152

	amplitude	offset	sigma
gaussian1:	817.99513	373.17123	7.1343946
gaussian2:	41.838965	746.35944	10.626859
gaussian3:	3.1285343	1119.7045	11.637632

Pileup fraction, photons = 0.14474595
Pileup fraction, area = 0.075480790