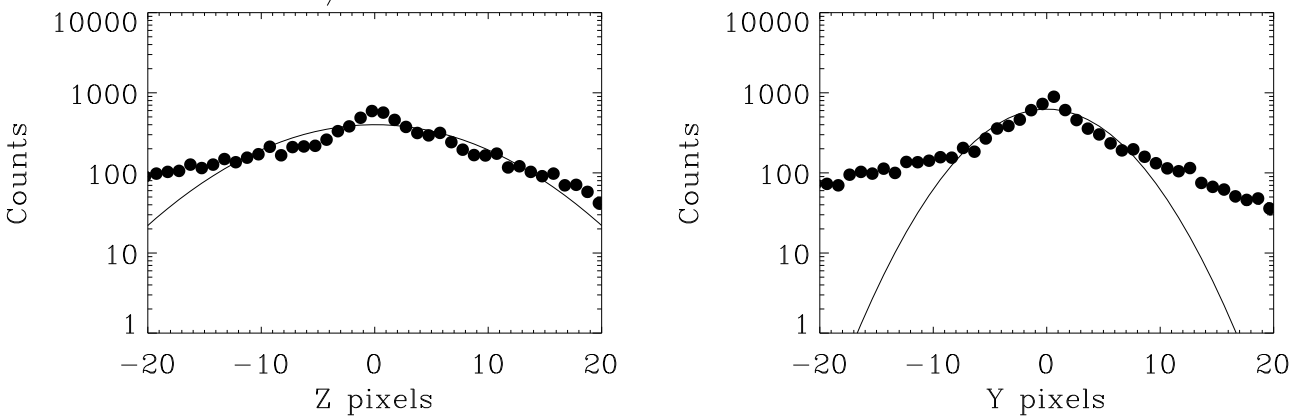
H−IAI−PI−2.008/H−IAI−PI−2.008.fits

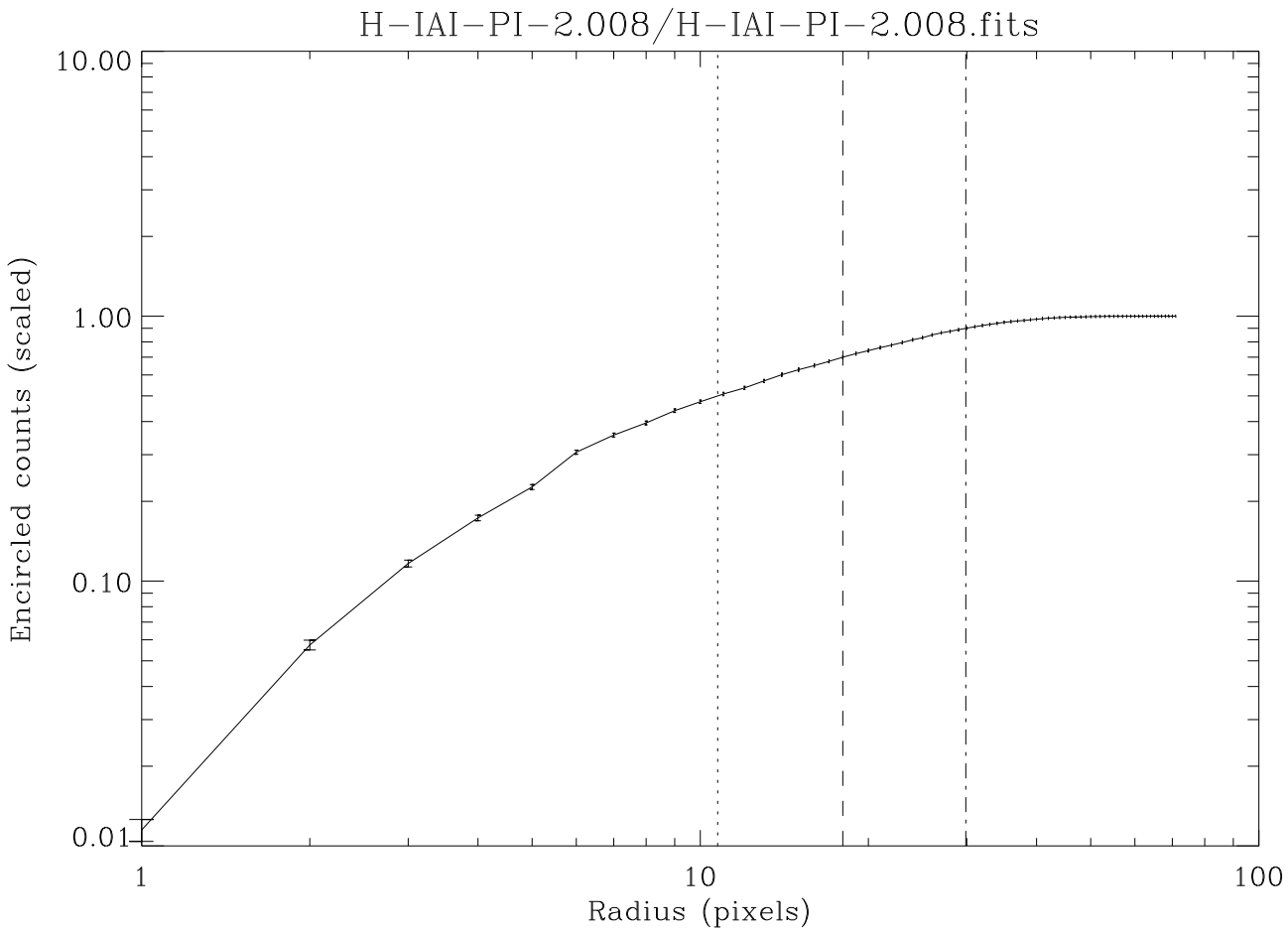



All measurements in pixels

Z gaussian FWHM = 19.560726

Y gaussian FWHM = 10.954321

| | | | | | | |
|---|---|---|---|---|---|---|
| Z fit parameters: | Amplitude= | 400 | Offset= | 50 | Sigma= | 8 |
| Y fit parameters: | Amplitude= | 627 | Offset= | 49 | Sigma= | 4 |




Encircled energy radii in pixels

50% radius = 10.7461

70% radius = 17.9955

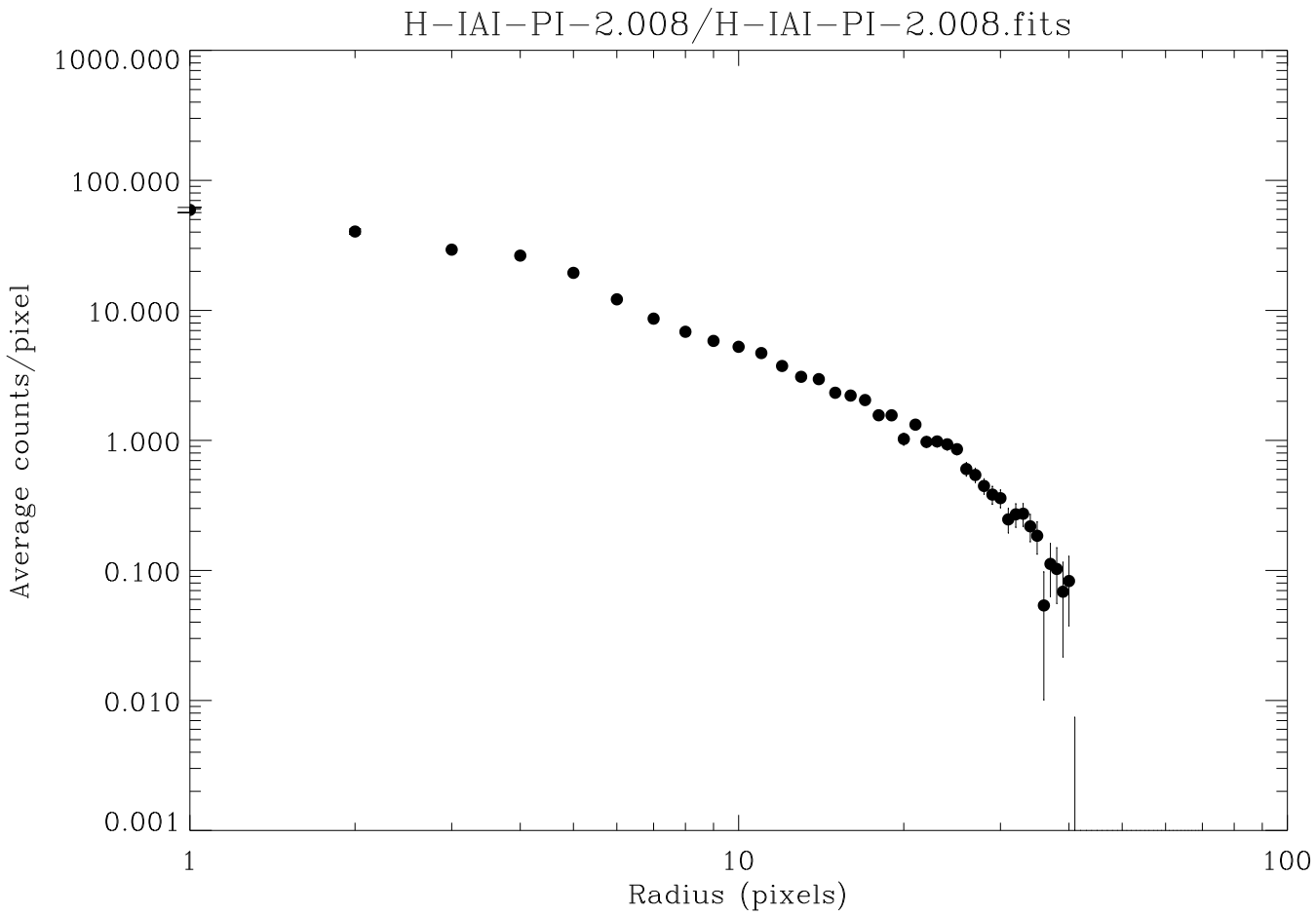
90% radius = 29.8805

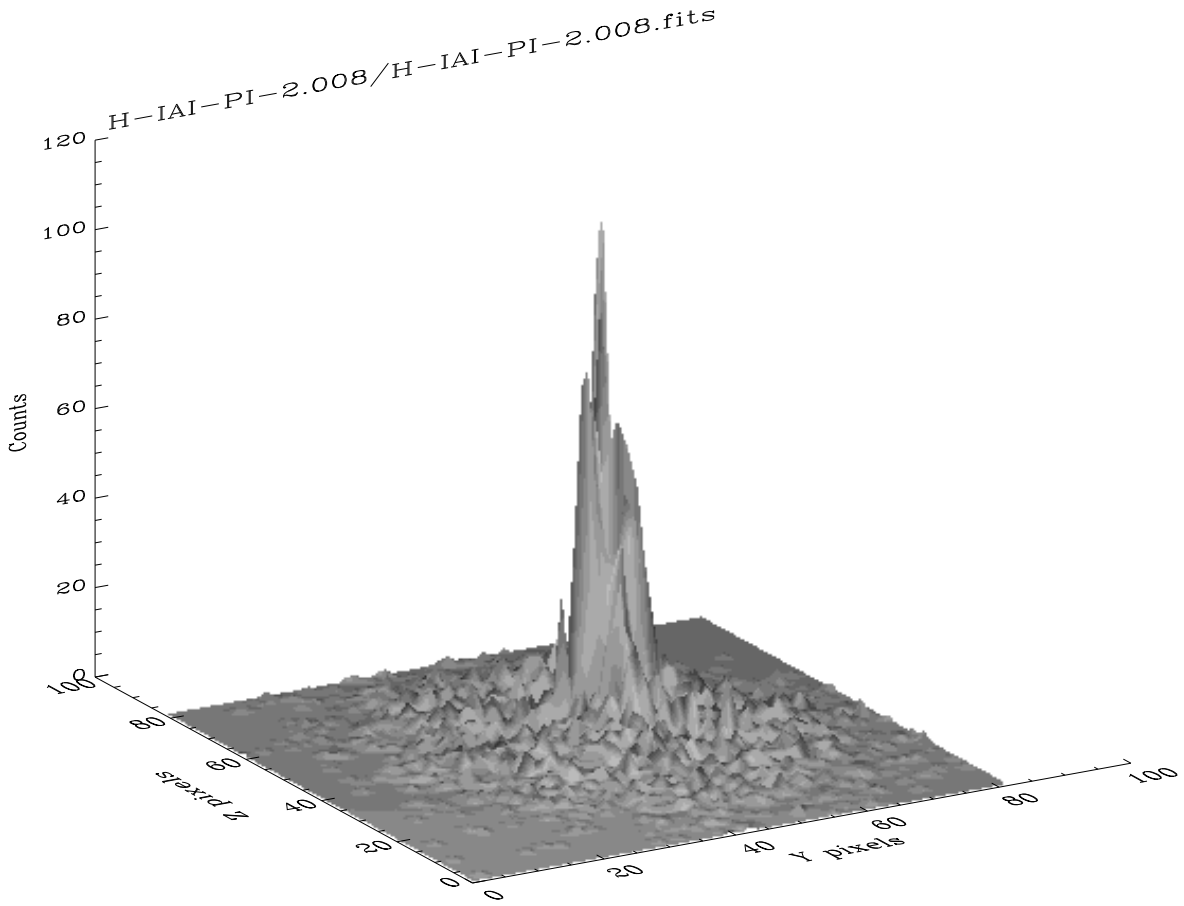
Encircled energy radii in microns

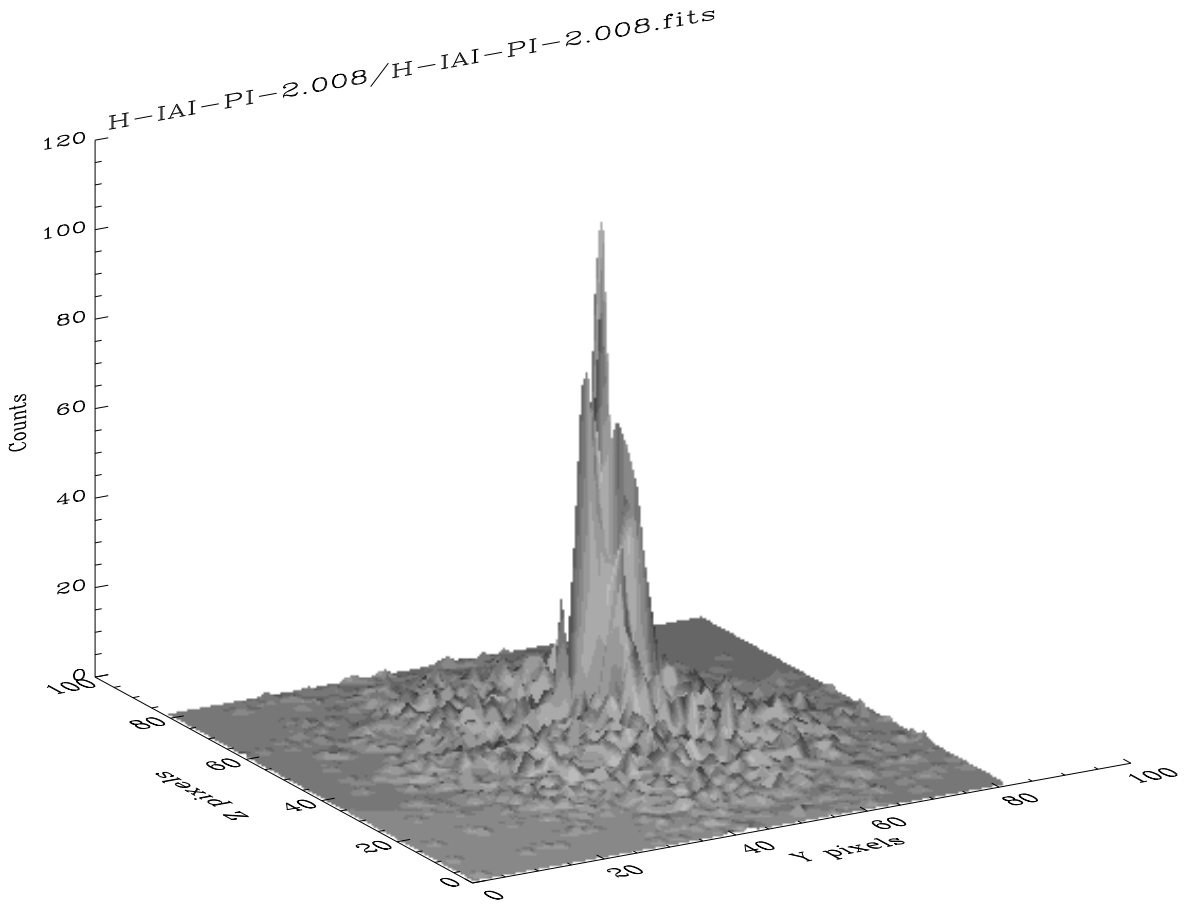
50% radius = 257.907

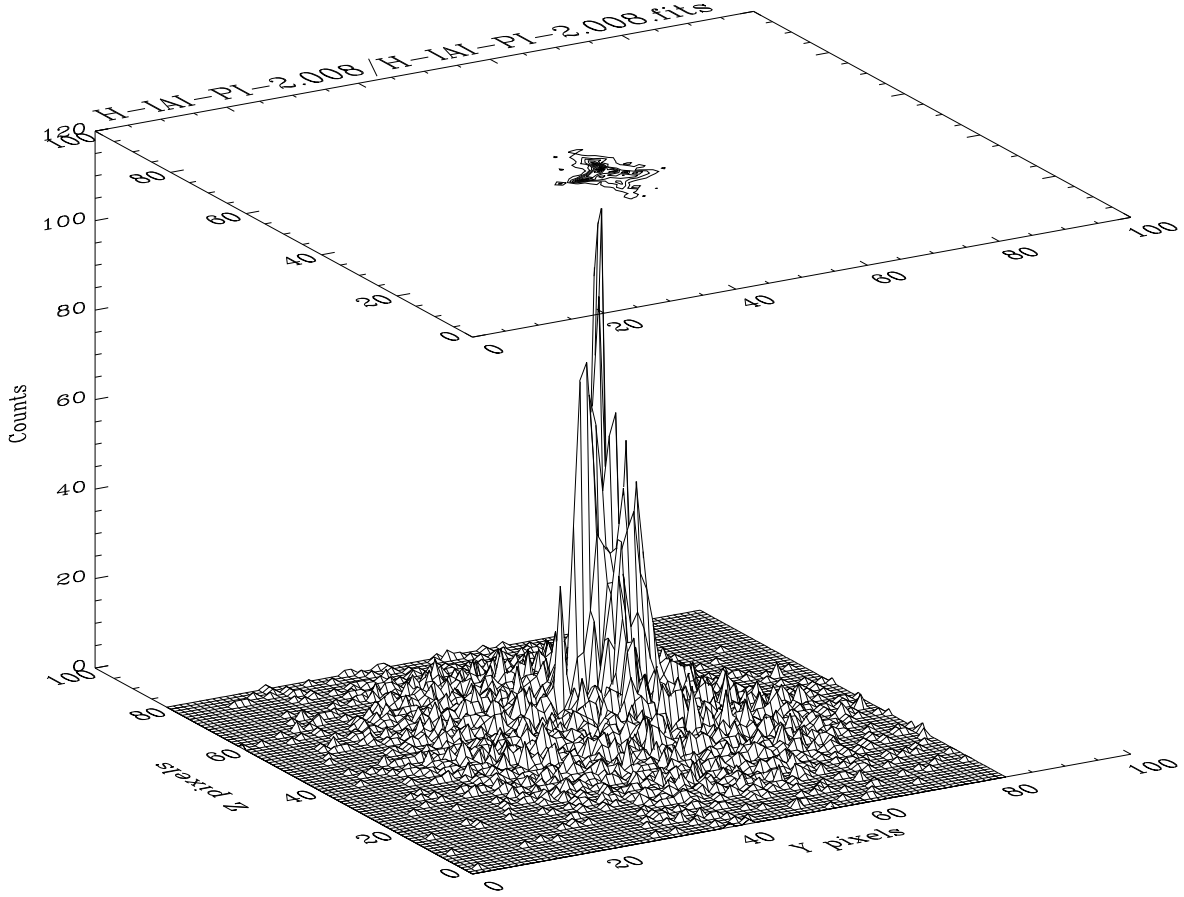
70% radius = 431.891

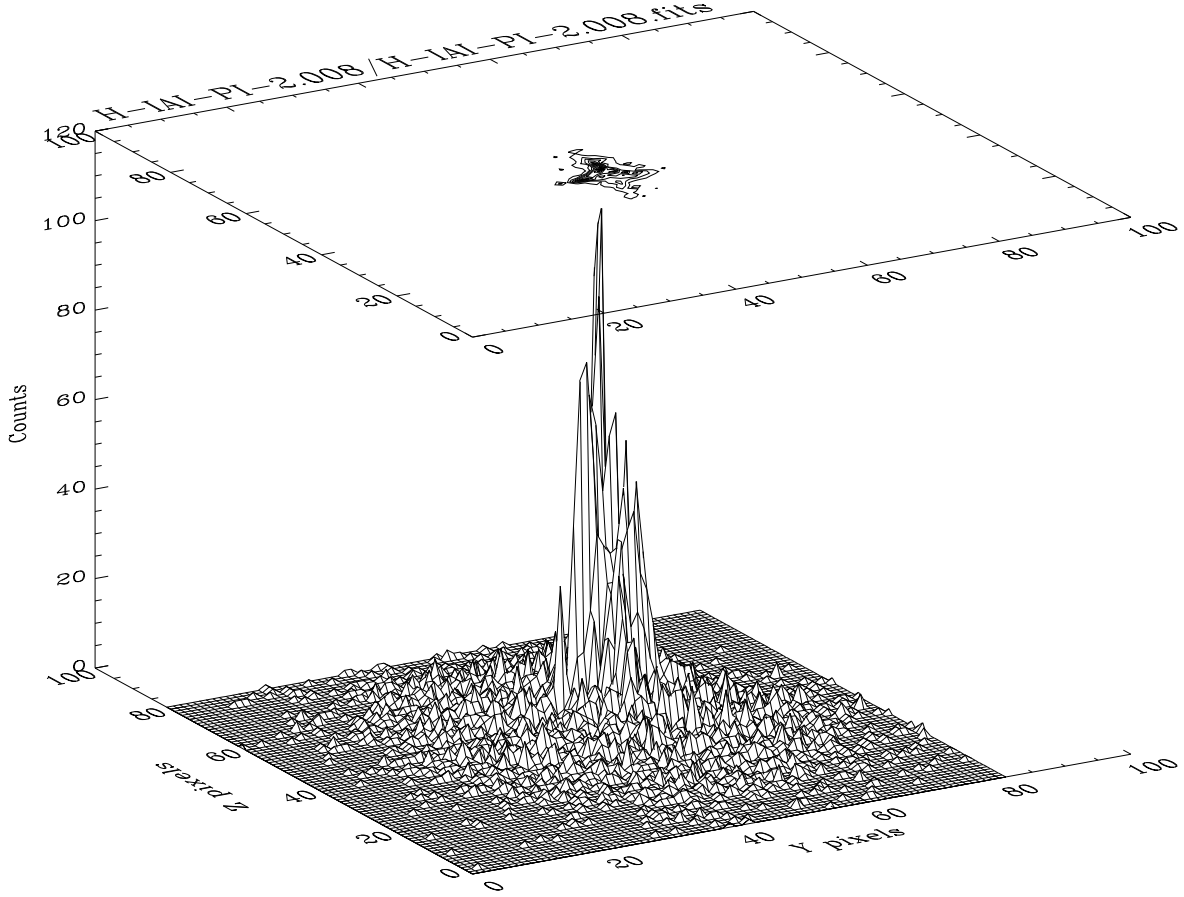
90% radius = 717.132

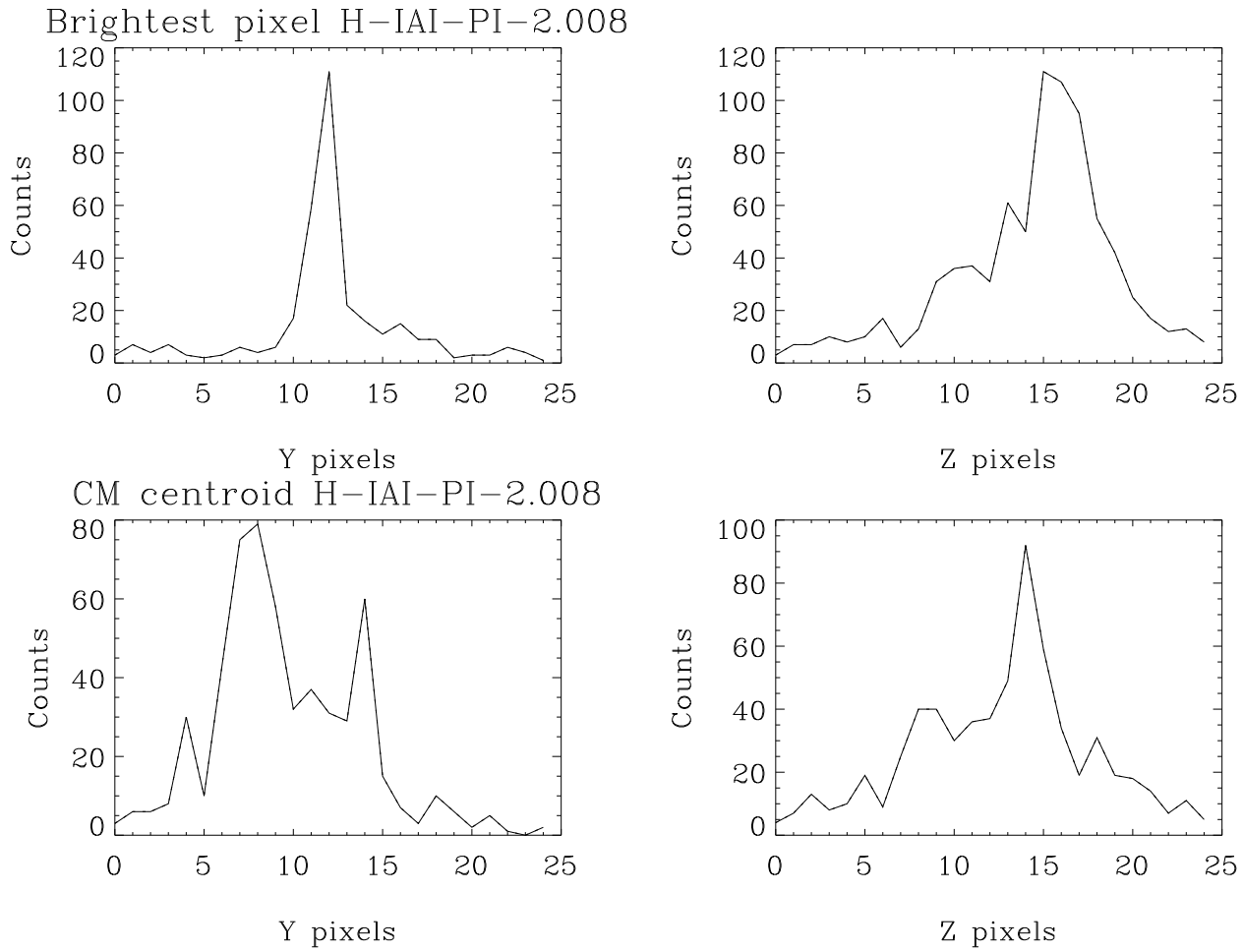

H−IAI−PI−2.008/H−IAI−PI−2.008.fits
1000.000
100.000
10.000
1.000
0.100
0.010
0.001
Average counts/pixel
1
10
100
Radius (pixels)


H−IAI−PI−2.008/H−IAI−PI−2.008.fits
Counts
120
100
80
60
40
20
0
Z pixels
100
80
60
40
20
0
Y pixels
0
20
40
60
80
100


H−IAI−PI−2.008/H−IAI−PI−2.008.fits
Counts
120
100
80
60
40
20
0
Z pixels
100
80
60
40
20
0
Y pixels
0
20
40
60
80
100


H-1A1-P1-2.008/H-1A1-P1-2.008.fits
Counts
Z Pixels
Y Pixels
0
20
40
60
80
100
120


H-1A1-P1-2.008/H-1A1-P1-2.008.fits
Counts
Z Pixels
Y Pixels
0
20
40
60
80
100
120




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

Brightest pixel (Y,Z)

| | | |
|---|---|---|
| All grades | 12 | 15 |
| Std. grades | 12 | 15 |

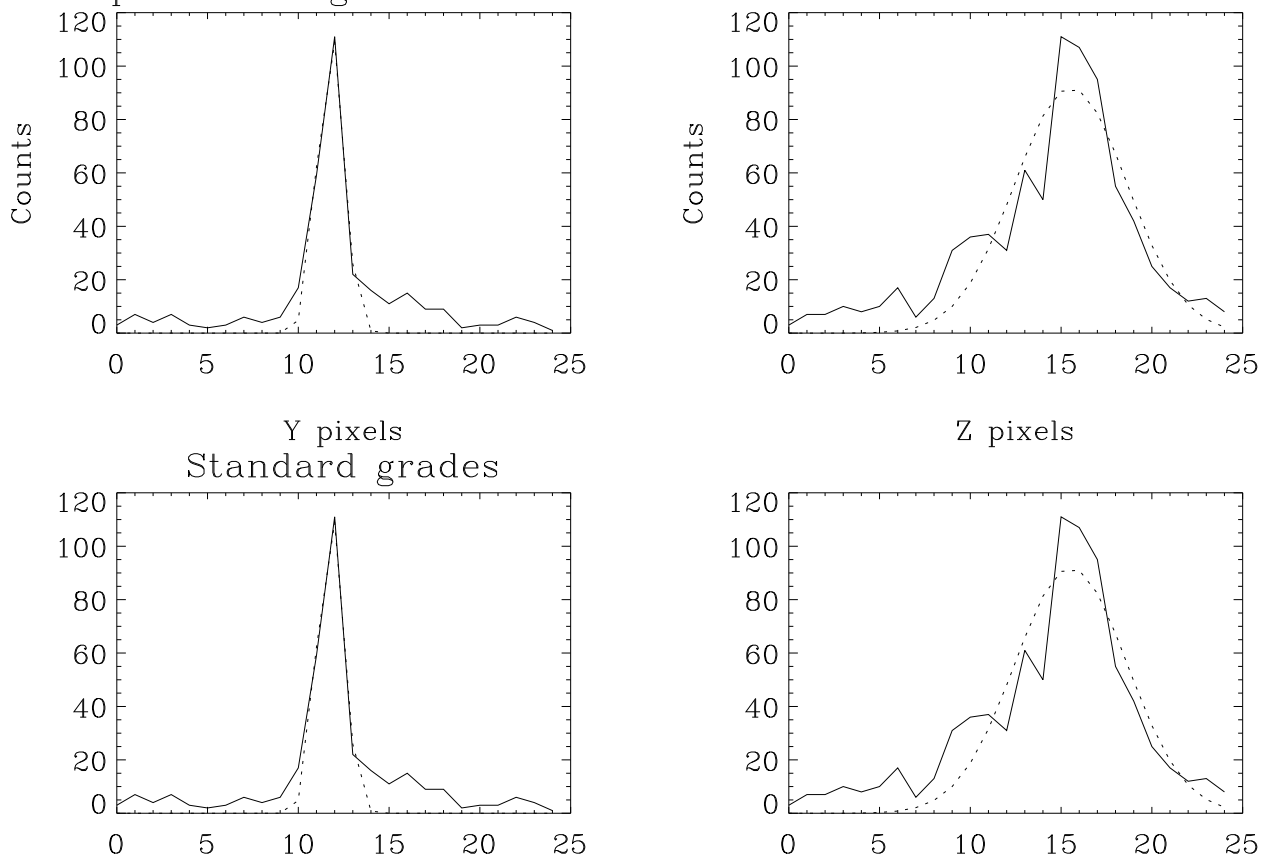
## CM Centroid (Y,Z)

| | | |
|---|---|---|
| All grades | 11.7012 | 12.4459 |
| Std. grades | 11.7012 | 12.4459 |

Brightest pixel maxima

| | |
|---|---|
| All grades: | 111 |
| Std. grades: | 111 |

Brightest pixel – All grades H–IAI–PI–2.008




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

| | Integrated | Analytical |
|---|---|---|
| All Y | 195.98213 | 202.59784 |
| Std Y | 195.98213 | 202.59784 |
| All Z | 713.81810 | 716.13647 |
| Std Z | 713.81810 | 716.13647 |

| | amplitude | offset | sigma | FWHM |
|---|---|---|---|---|
| All Y: | 114.32469 | 11.780805 | 0.70697627 | 1.6642222 |
| Std Y: | 114.32469 | 11.780805 | 0.70697627 | 1.6642222 |
| All Z: | 91.975256 | 15.542526 | 3.1062389 | 7.3120866 |
| Std Z: | 91.975256 | 15.542526 | 3.1062389 | 7.3120866 |