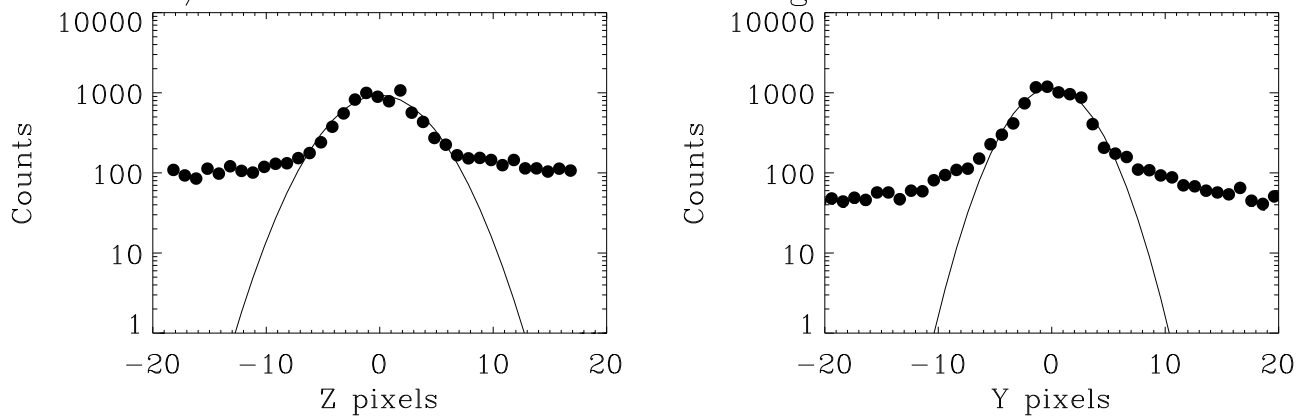
H-IAI-PW-1.025/H-IAI-PW-1.025_02346.fits_img.fits



All measurements in pixels

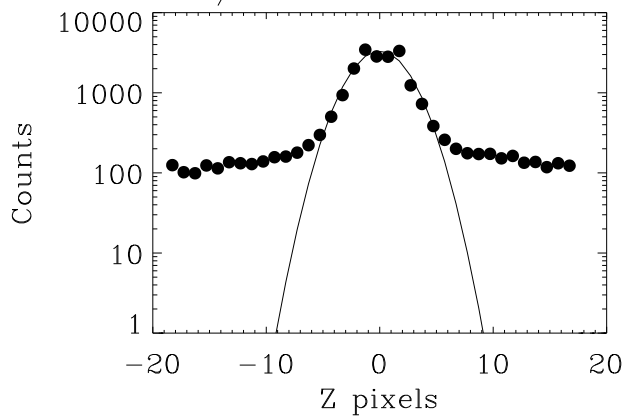
Z gaussian FWHM = 8.1156086

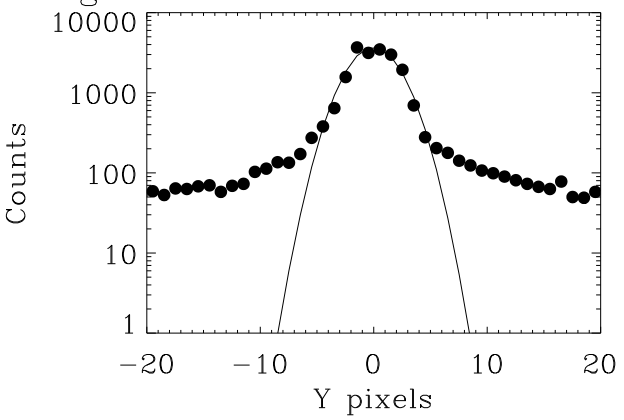
Y gaussian FWHM = 6.5013060

Z fit parameters: Amplitude= 937 Offset= 19 Sigma= 3

Y fit parameters: Amplitude= 1157 Offset= 22 Sigma= 2

H-IAI-PW-1.025/H-IAI-PW-1.025_all.fits_img.fits





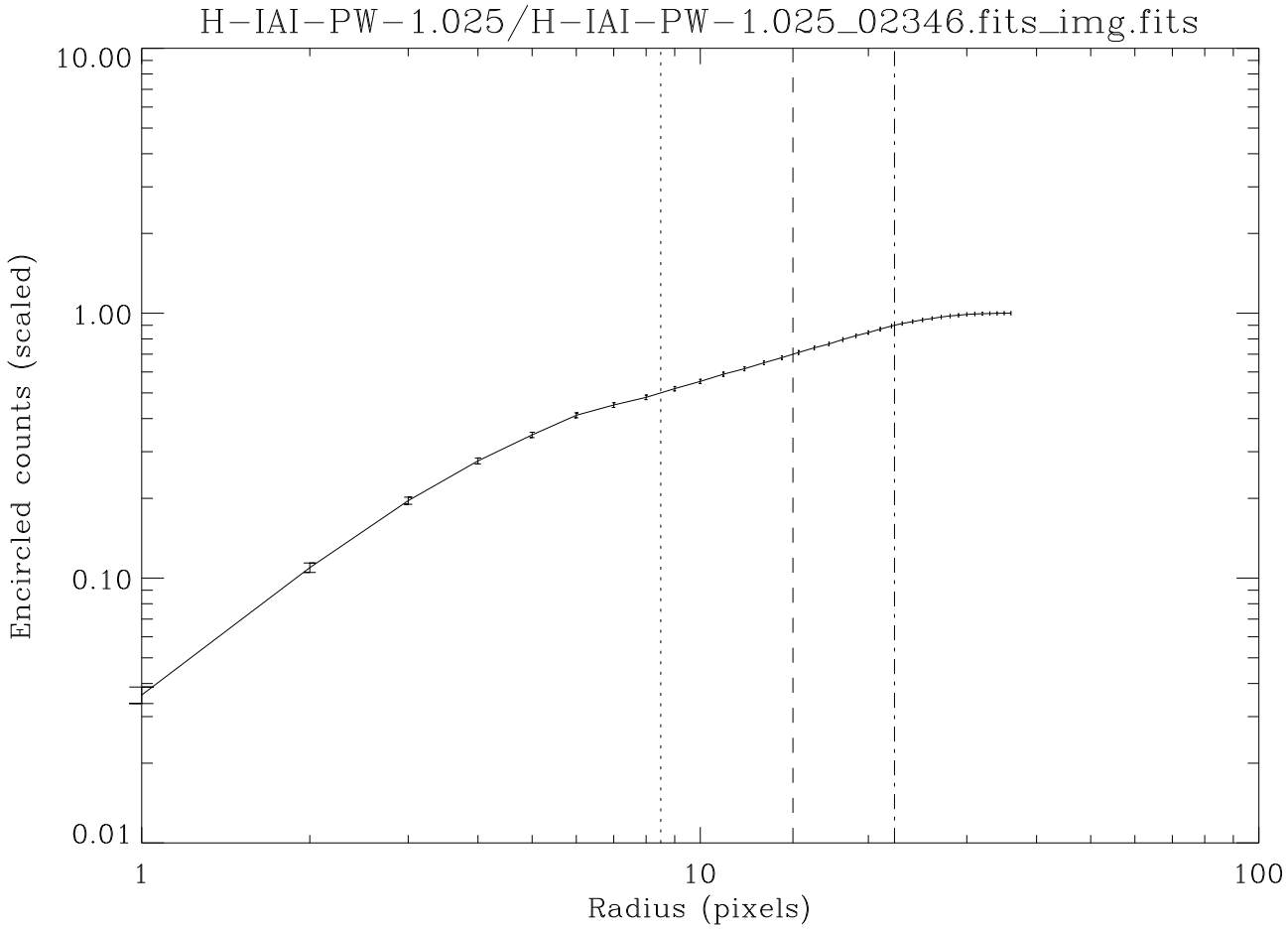
All measurements in pixels

Z gaussian FWHM = 5.3417024

Y gaussian FWHM = 4.9046011

Z fit parameters: Amplitude= 3344 Offset= 19 Sigma= 2

Y fit parameters: Amplitude= 3711 Offset= 22 Sigma= 2



Encircled energy radii in pixels

50% radius = 8.49754

70% radius = 14.6524

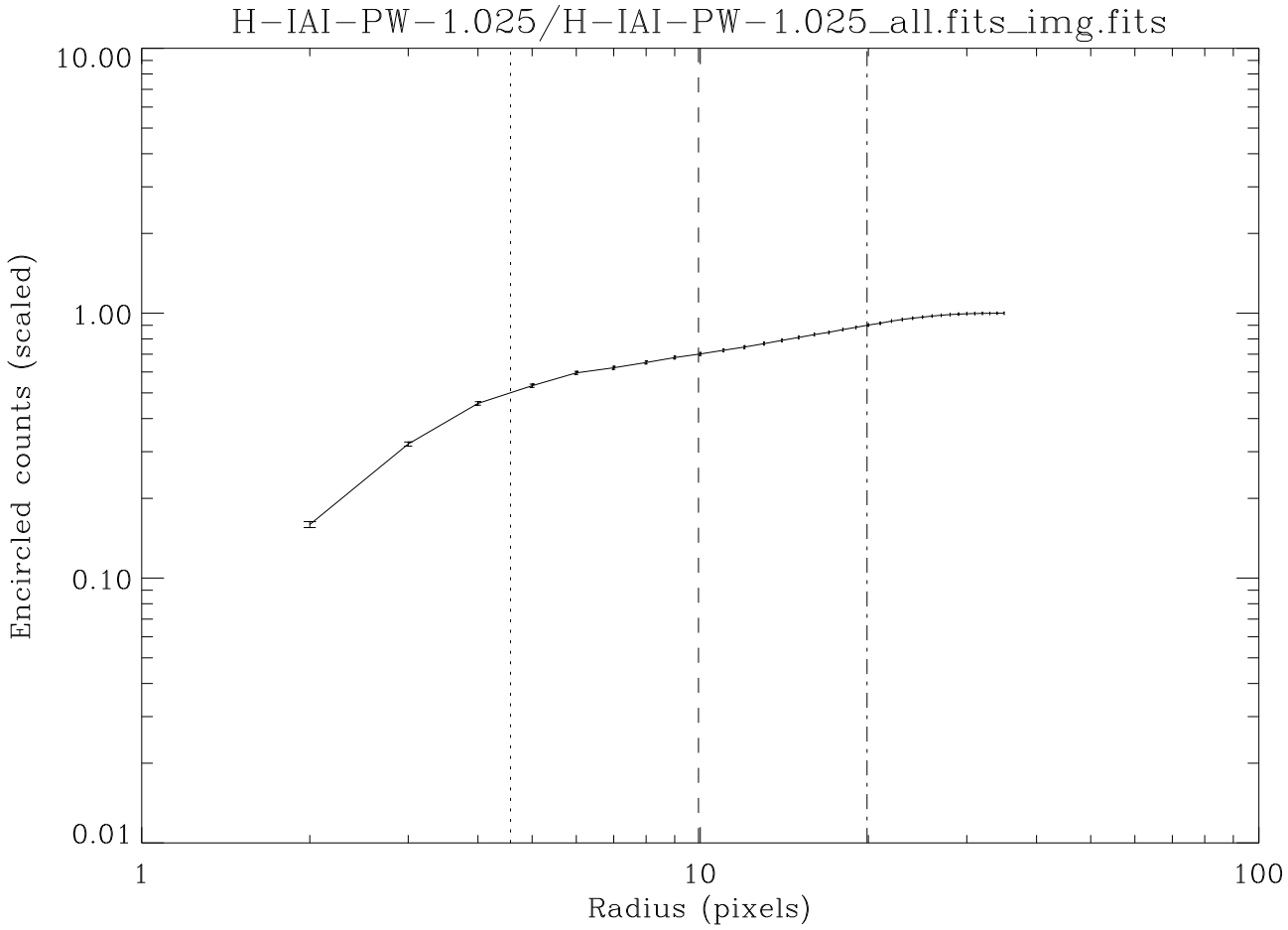
90% radius = 22.2712

Encircled energy radii in microns

50% radius = 203.941

70% radius = 351.657

90% radius = 534.508



Encircled energy radii in pixels

50% radius = 4.57369

70% radius = 9.92767

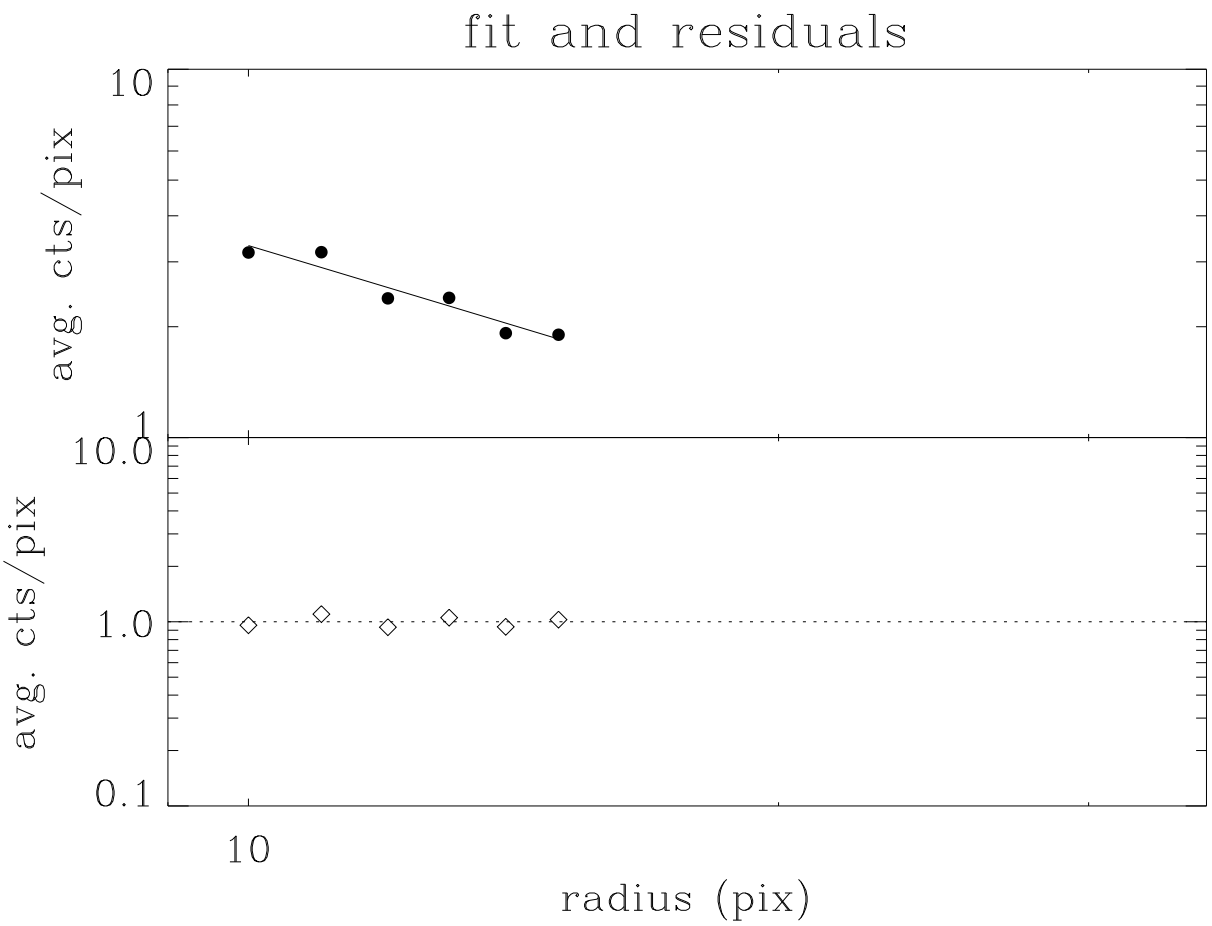
90% radius = 19.8844

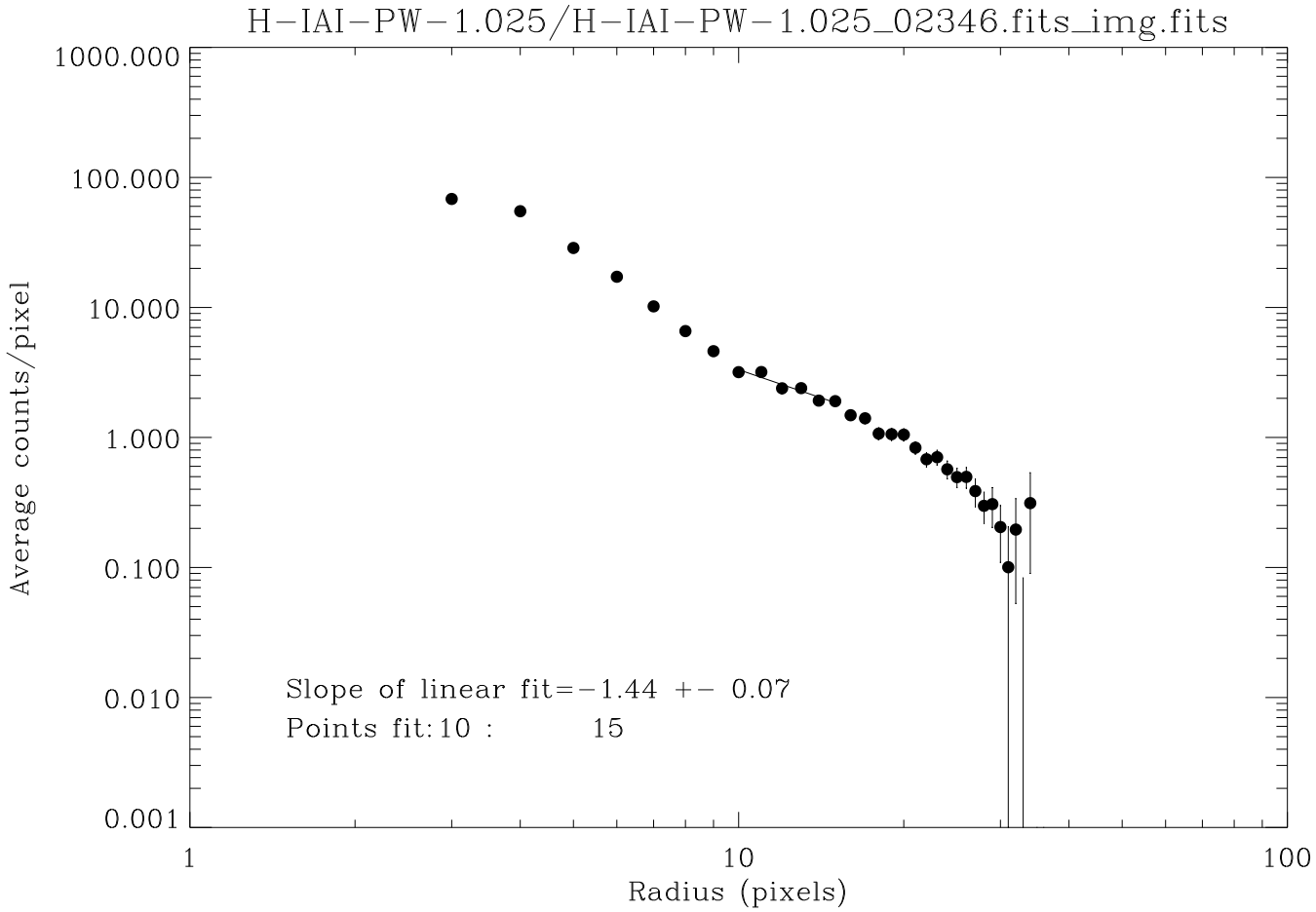
Encircled energy radii in microns

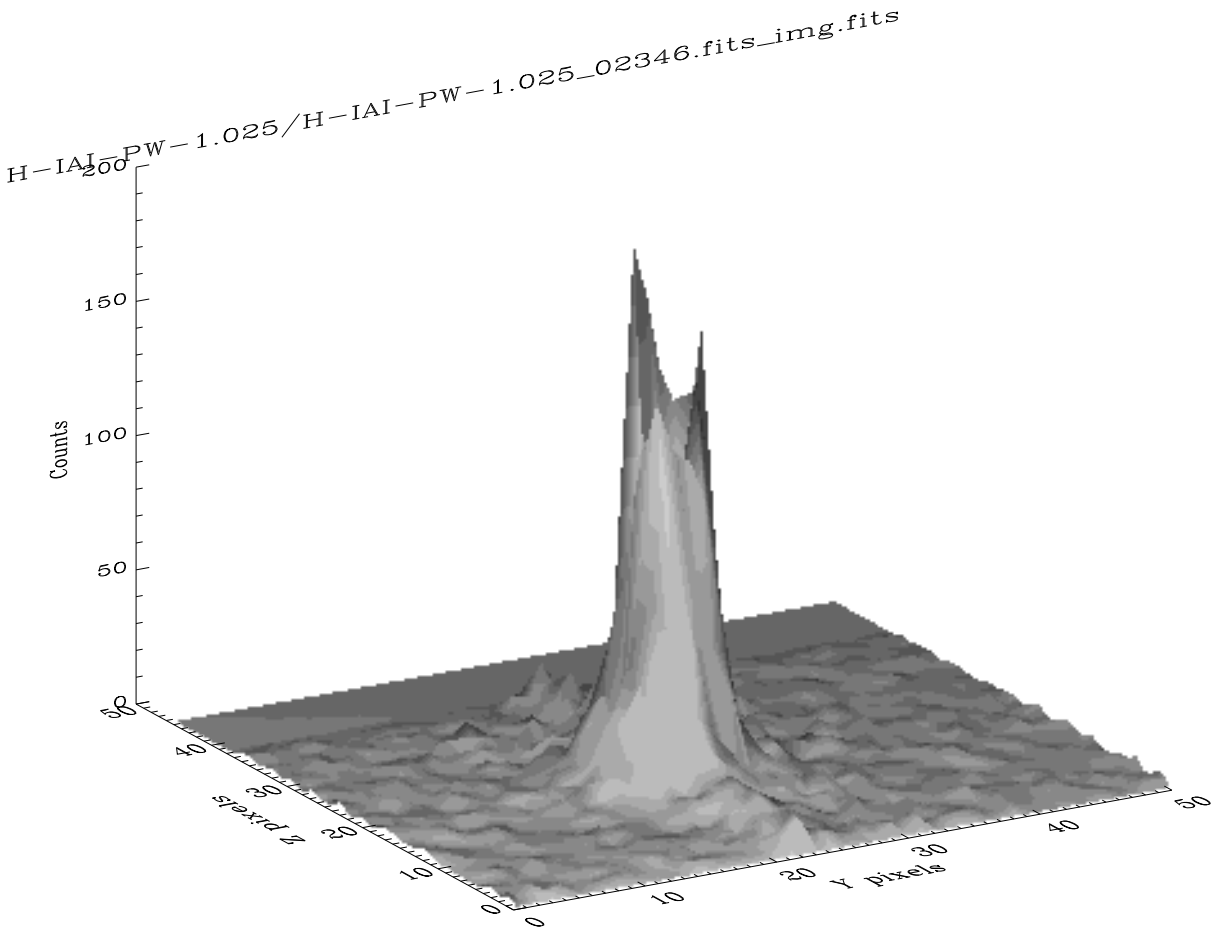
50% radius = 109.769

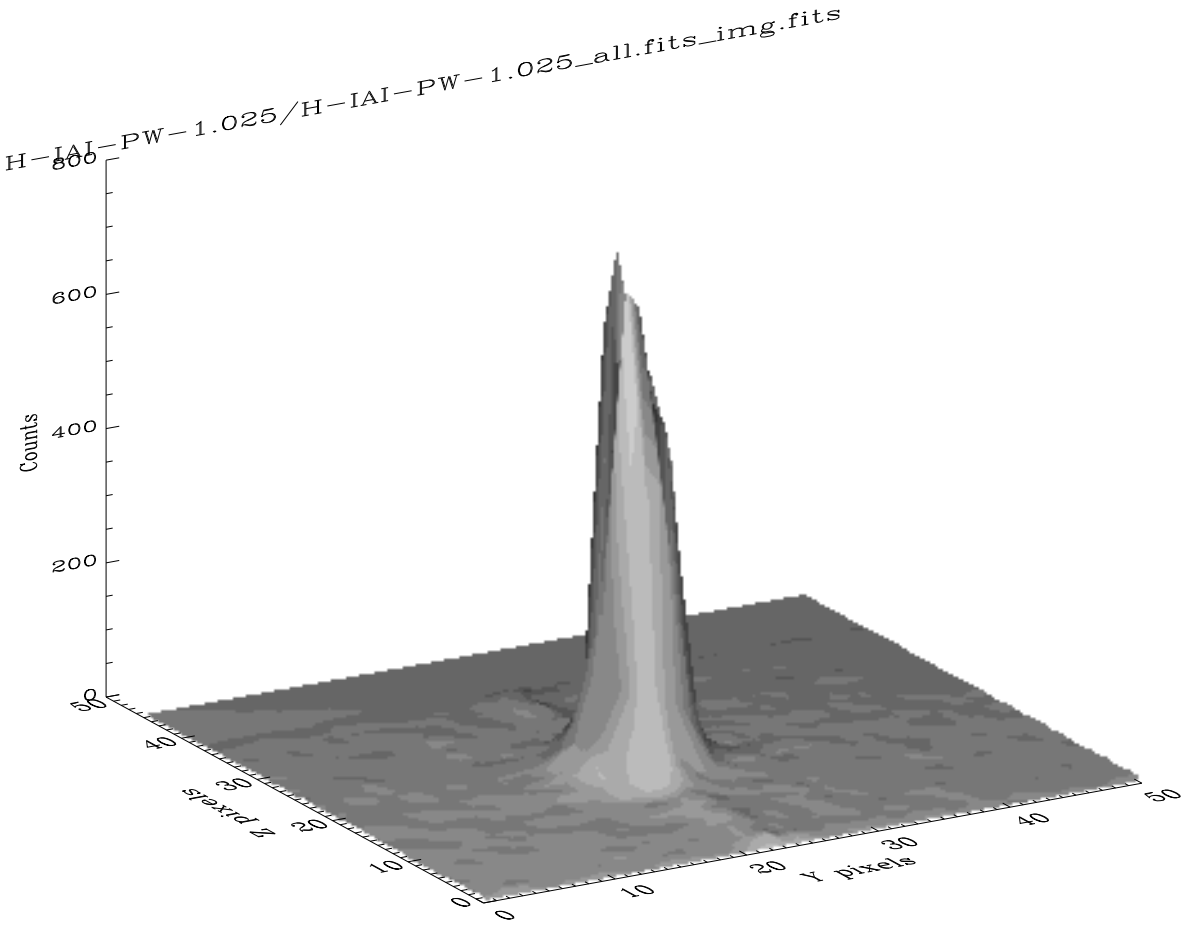
70% radius = 238.264

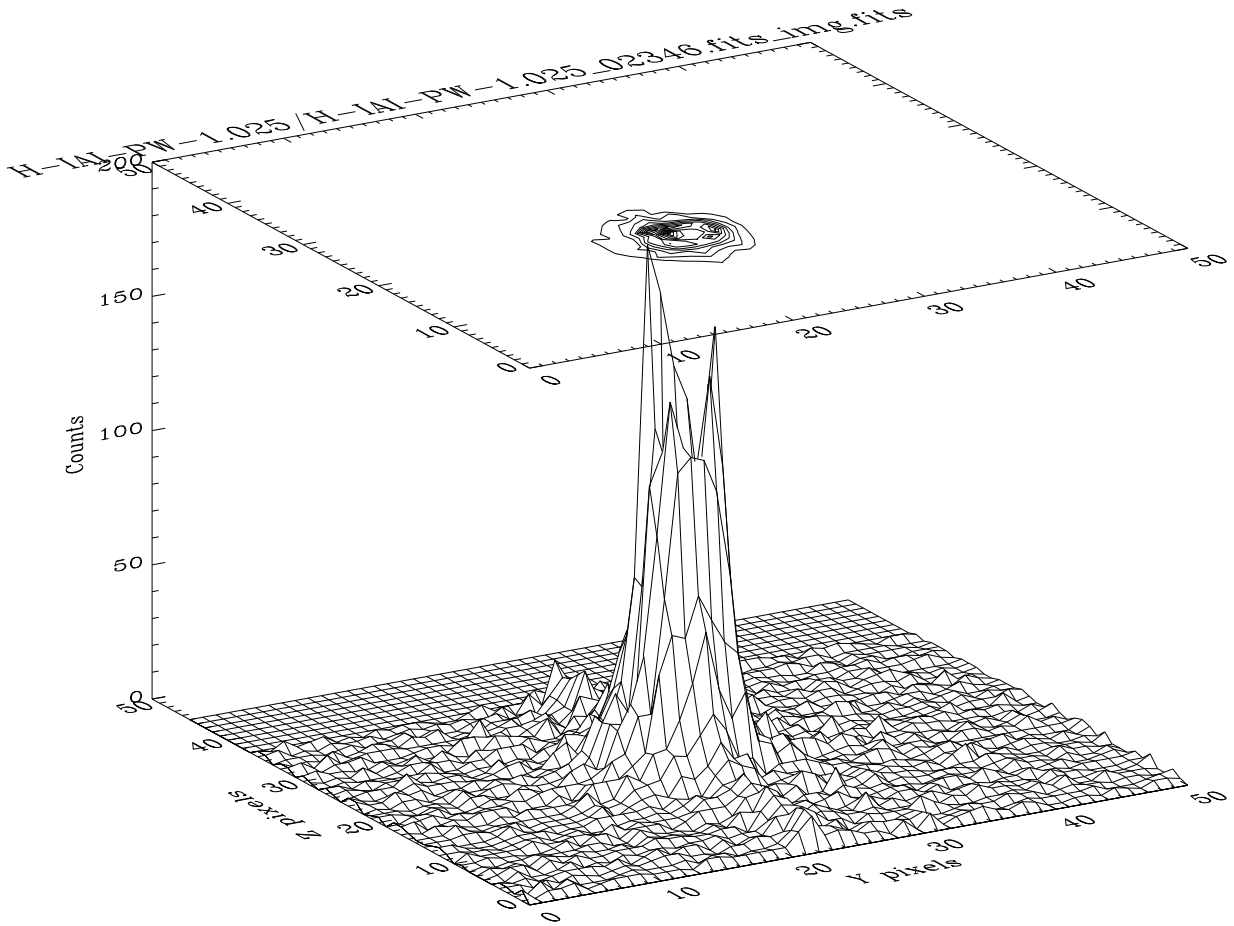
90% radius = 477.226

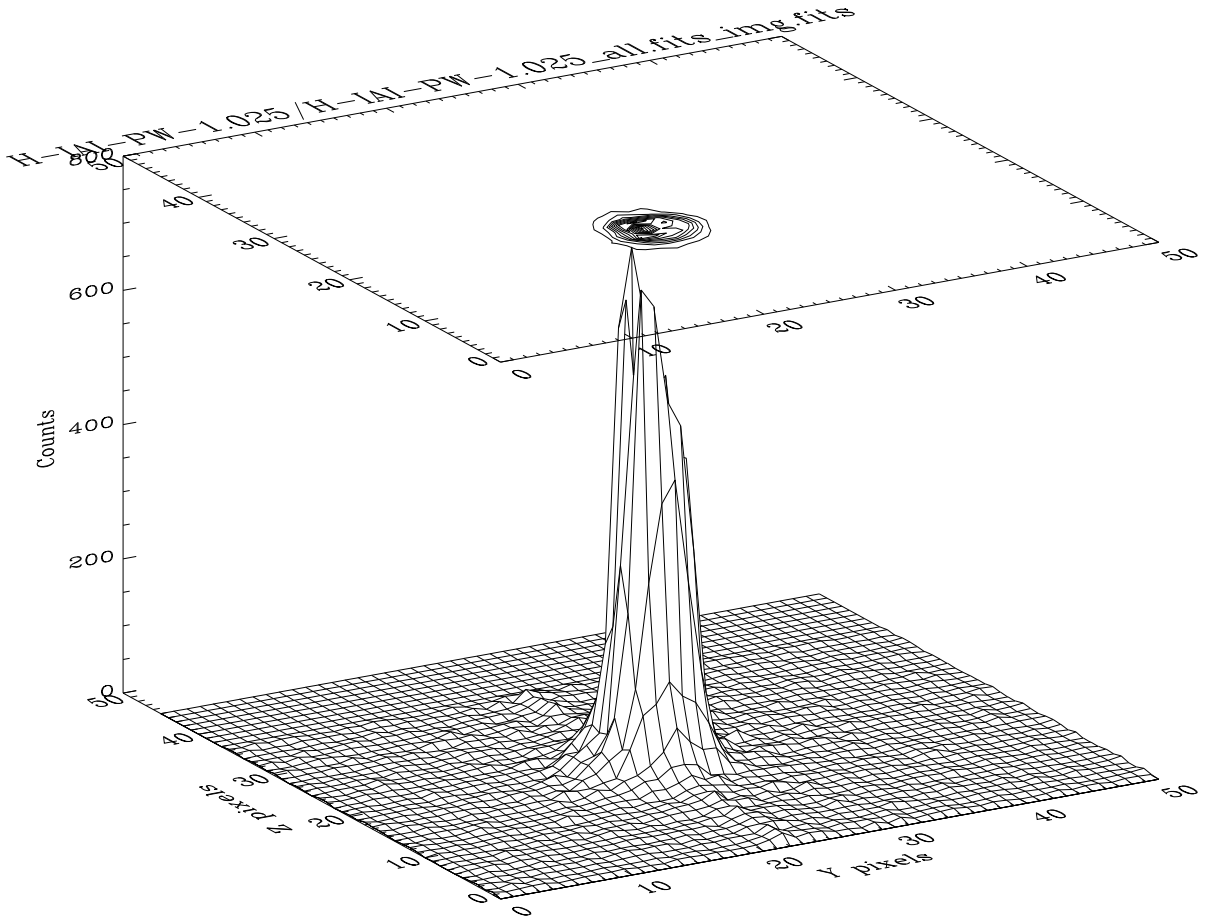

fit and residuals
10
1
avg. cts/pix
10.0
1.0
0.1
avg. cts/pix
10
radius (pix)

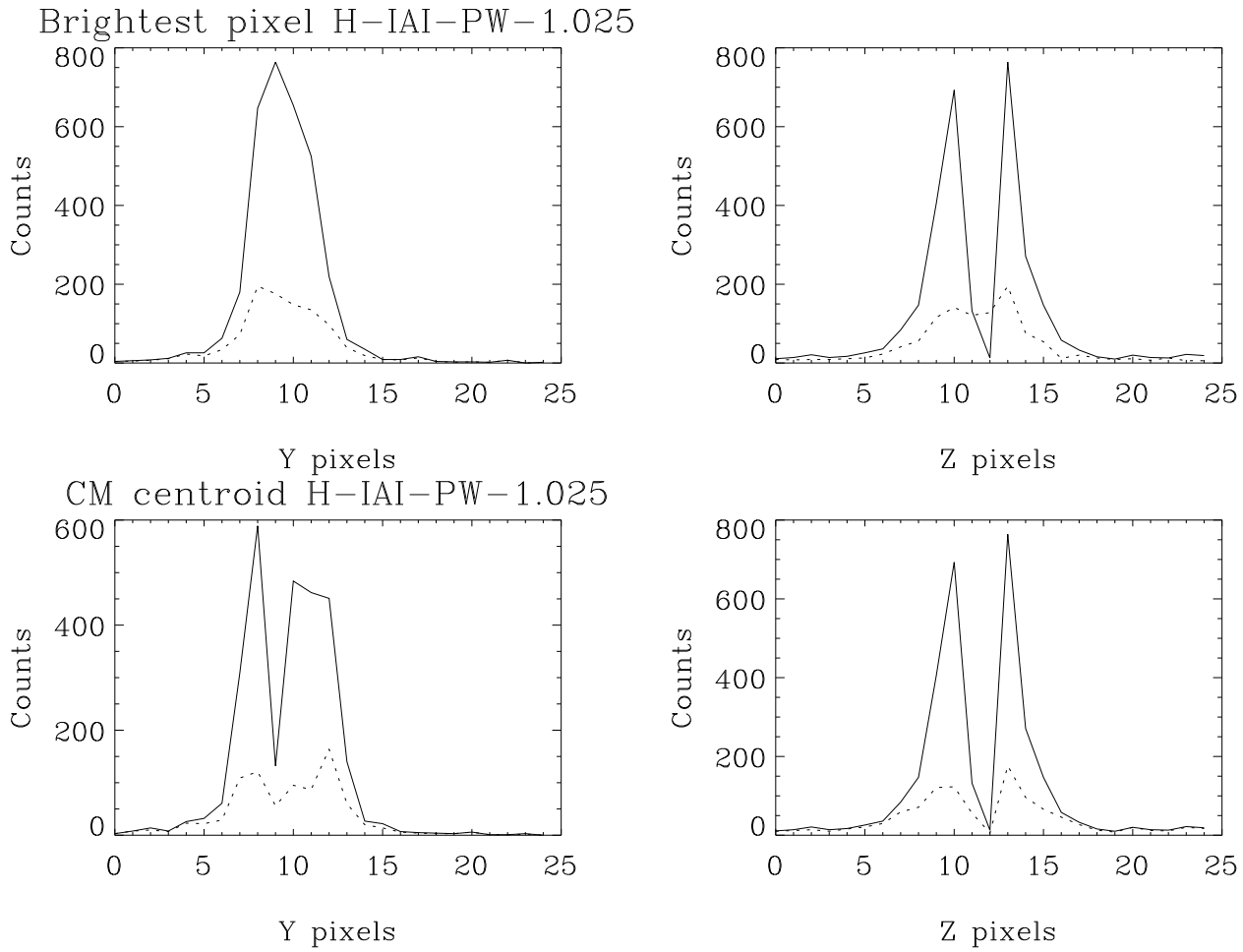

H−IAI−PW−1.025/H−IAI−PW−1.025_02346.fits_img.fits
1000.000
100.000
10.000
1.000
0.100
0.010
0.001
Average counts/pixel
Slope of linear fit=−1.44 +− 0.07
Points fit:10 : 15
1
10
100
Radius (pixels)


H-IAI-PW-1.025/H-IAI-PW-1.025_02346.fits_img.fits
Counts
200
150
100
50
0
Z pixels
50
40
30
20
10
0
0
10
20
30
40
50
Y pixels


H-IAI-PW-1.025/H-IAI-PW-1.025_all.fits_img.fits
Counts
800
600
400
200
0
Z pixels
50
40
30
20
10
0
0
10
20
30
40
50
Y pixels


H_IAI_PW_1.025/H_IAI_PW_1.025_02346.fits_img.fits
Counts
200
150
100
50
0
Z pixels
Y pixels
0
10
20
30
40
50


H-1AL-PW-1.025/H-1AL-PW-1.025_all.fits_img.fits
Counts
800
600
400
200
0
X pixels
Y pixels
0
10
20
30
40
50



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

Brightest pixel (Y,Z)

All grades	9	13
Std. grades	8	13

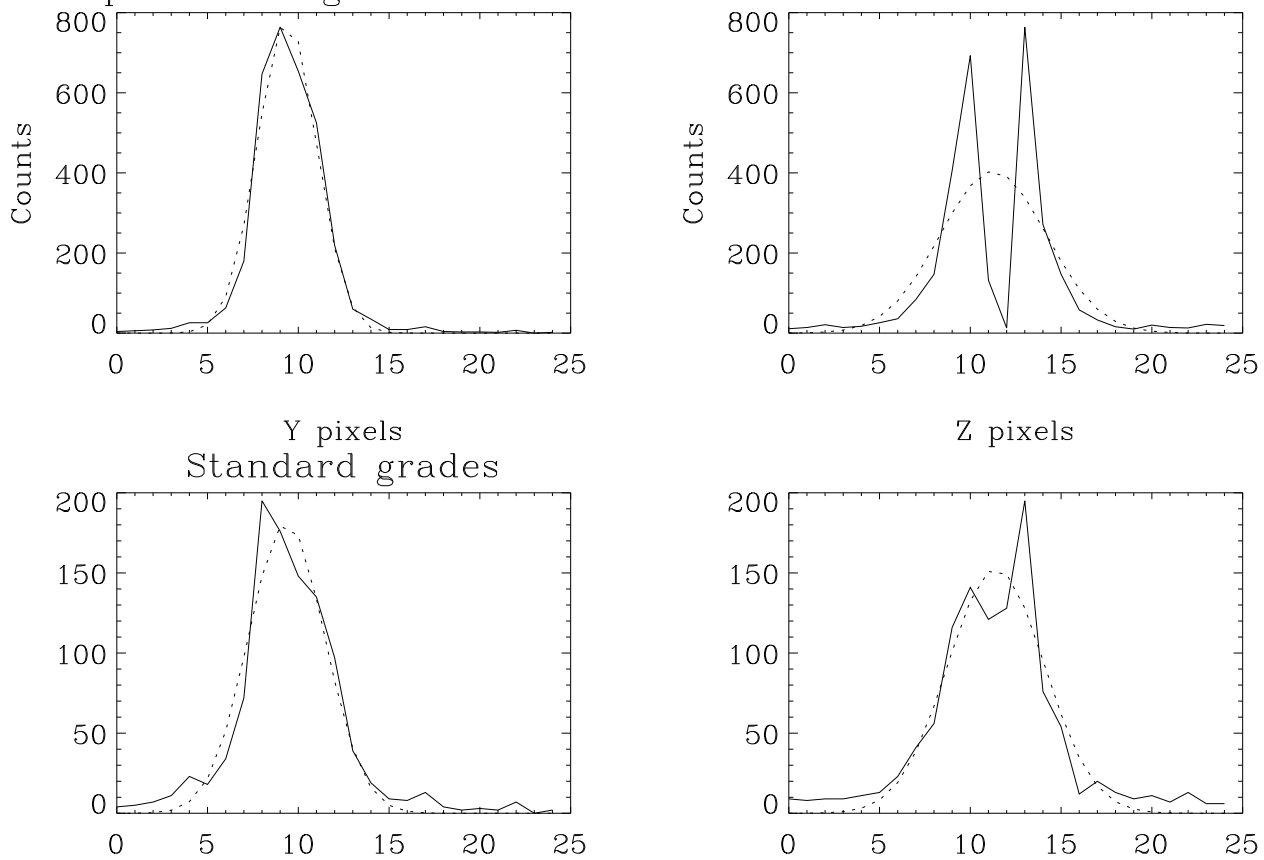
CM Centroid (Y,Z)

All grades	9.64315	11.3992
Std. grades	9.74936	11.5041

Brightest pixel maxima

All grades:	764
Std. grades:	195

Brightest pixel - All grades H-IAI-PW-1.025



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

	Integrated	Analytical
All Y	3187.2597	3190.2883
Std Y	960.02554	960.12375
All Z	2971.4155	2971.6202
Std Z	1019.2847	1019.2906

	amplitude	offset	sigma	FWHM
All Y:	783.99651	9.3722916	1.6234012	3.8214866
Std Y:	181.83376	9.3509098	2.1065062	4.9587159
All Z:	403.91558	11.266288	2.9350315	6.9090644
Std Z:	152.84433	11.419612	2.6604722	6.2627518