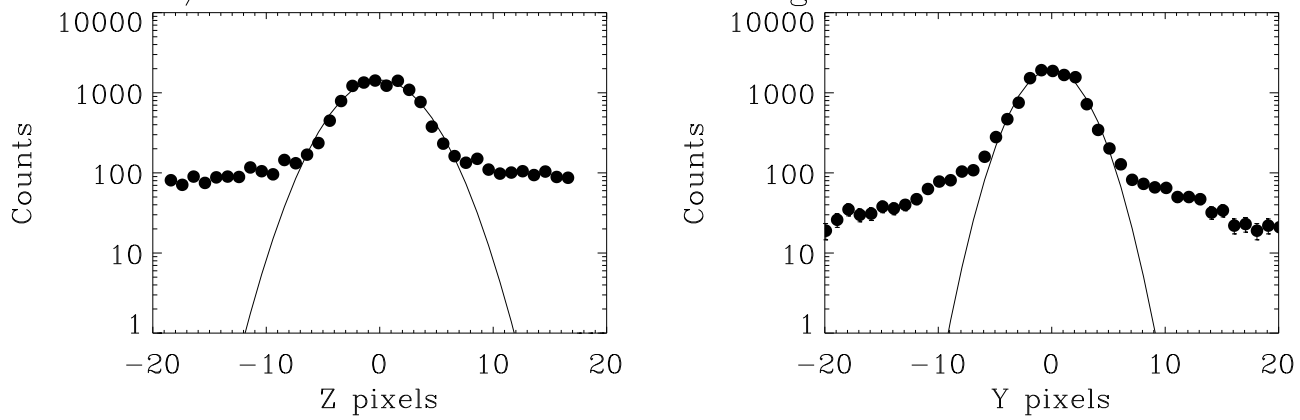
H-IAI-PW-1.027/H-IAI-PW-1.027_02346.fits_img.fits



All measurements in pixels

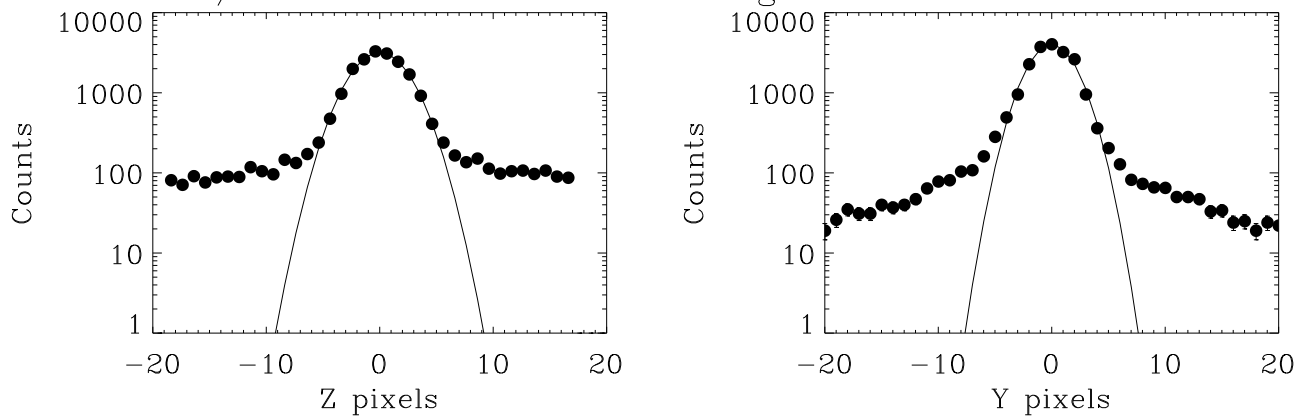
Z gaussian FWHM = 7.3194127

Y gaussian FWHM = 5.5172492

Z fit parameters: Amplitude= 1454 Offset= 19 Sigma= 3

Y fit parameters: Amplitude= 1973 Offset= 21 Sigma= 2

H-IAI-PW-1.027/H-IAI-PW-1.027_all.fits_img.fits



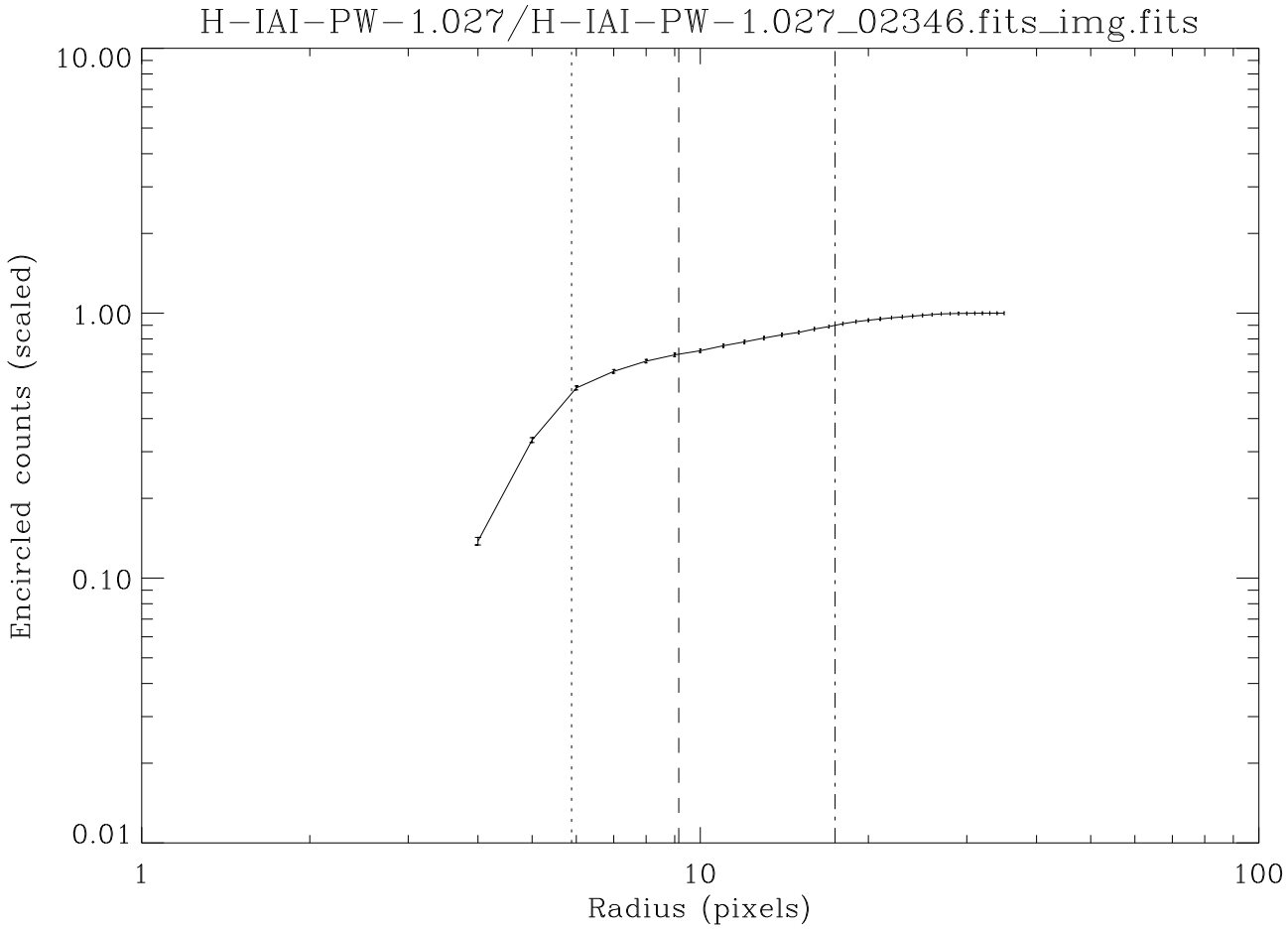
All measurements in pixels

Z gaussian FWHM = 5.3846008

Y gaussian FWHM = 4.4182923

Z fit parameters: Amplitude= 3229 Offset= 19 Sigma= 2

Y fit parameters: Amplitude= 4051 Offset= 21 Sigma= 1



Encircled energy radii in pixels

50% radius = 5.88370

70% radius = 9.15266

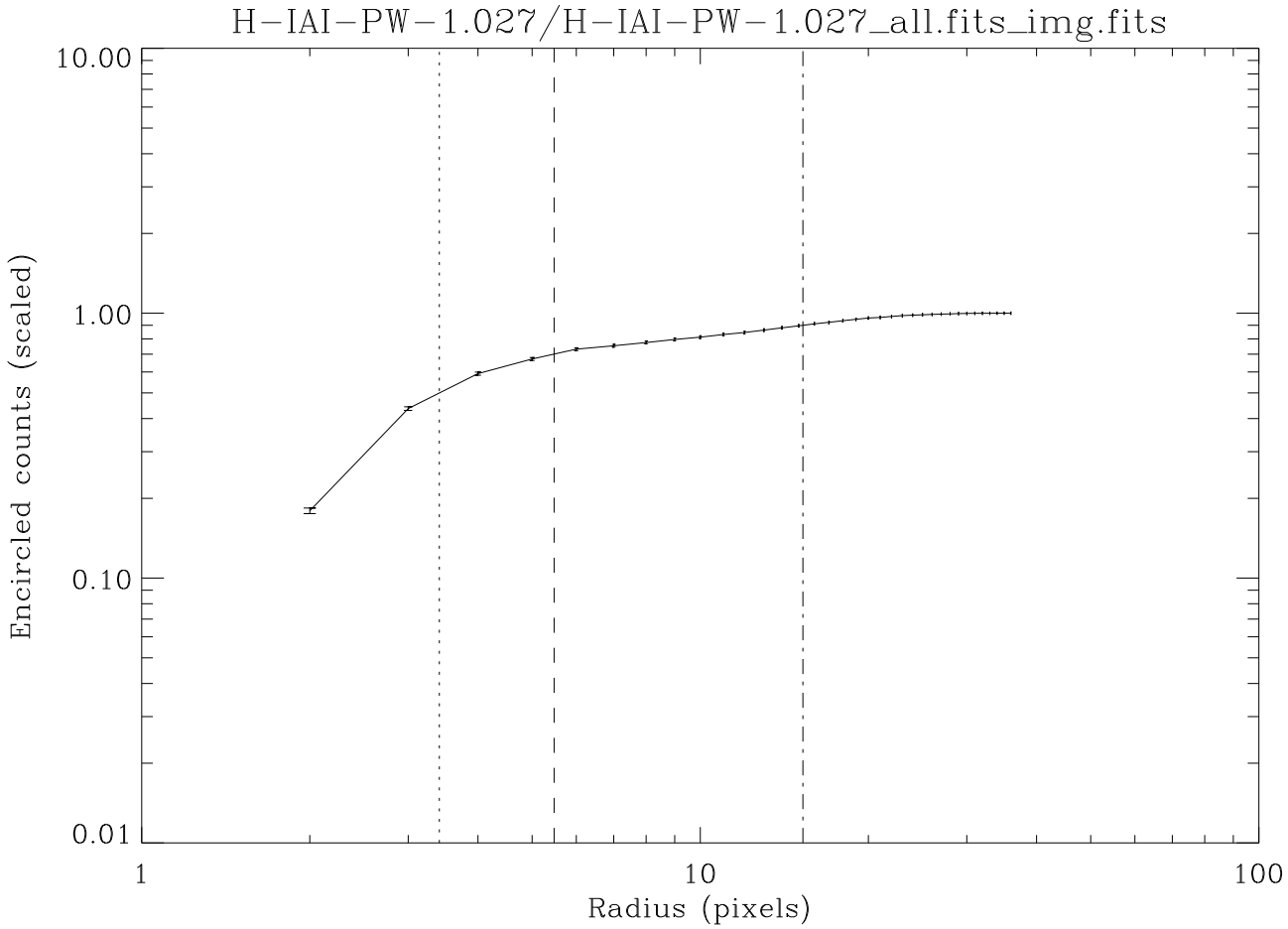
90% radius = 17.4327

Encircled energy radii in microns

50% radius = 141.209

70% radius = 219.664

90% radius = 418.384



Encircled energy radii in pixels

50% radius = 3.41132

70% radius = 5.47487

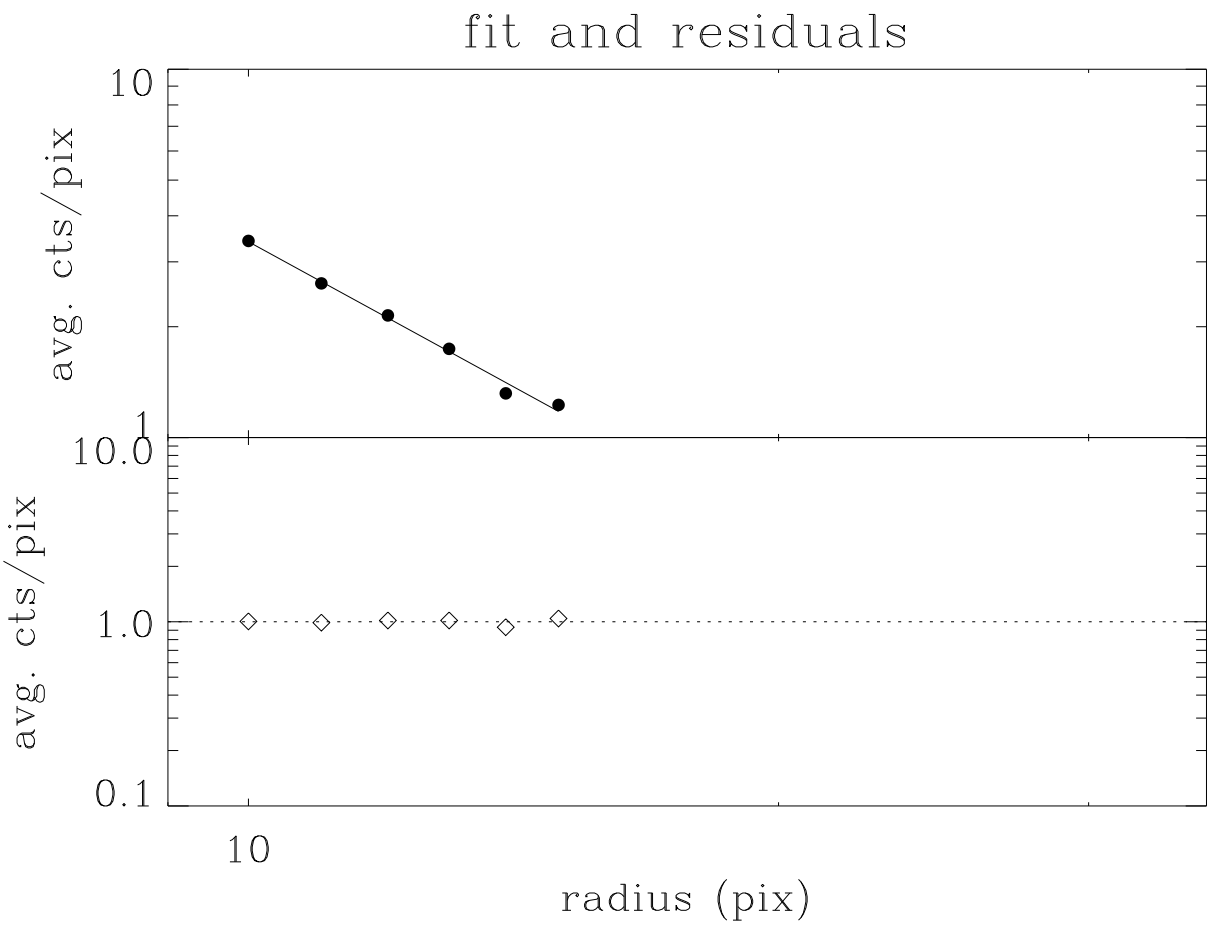
90% radius = 15.2662

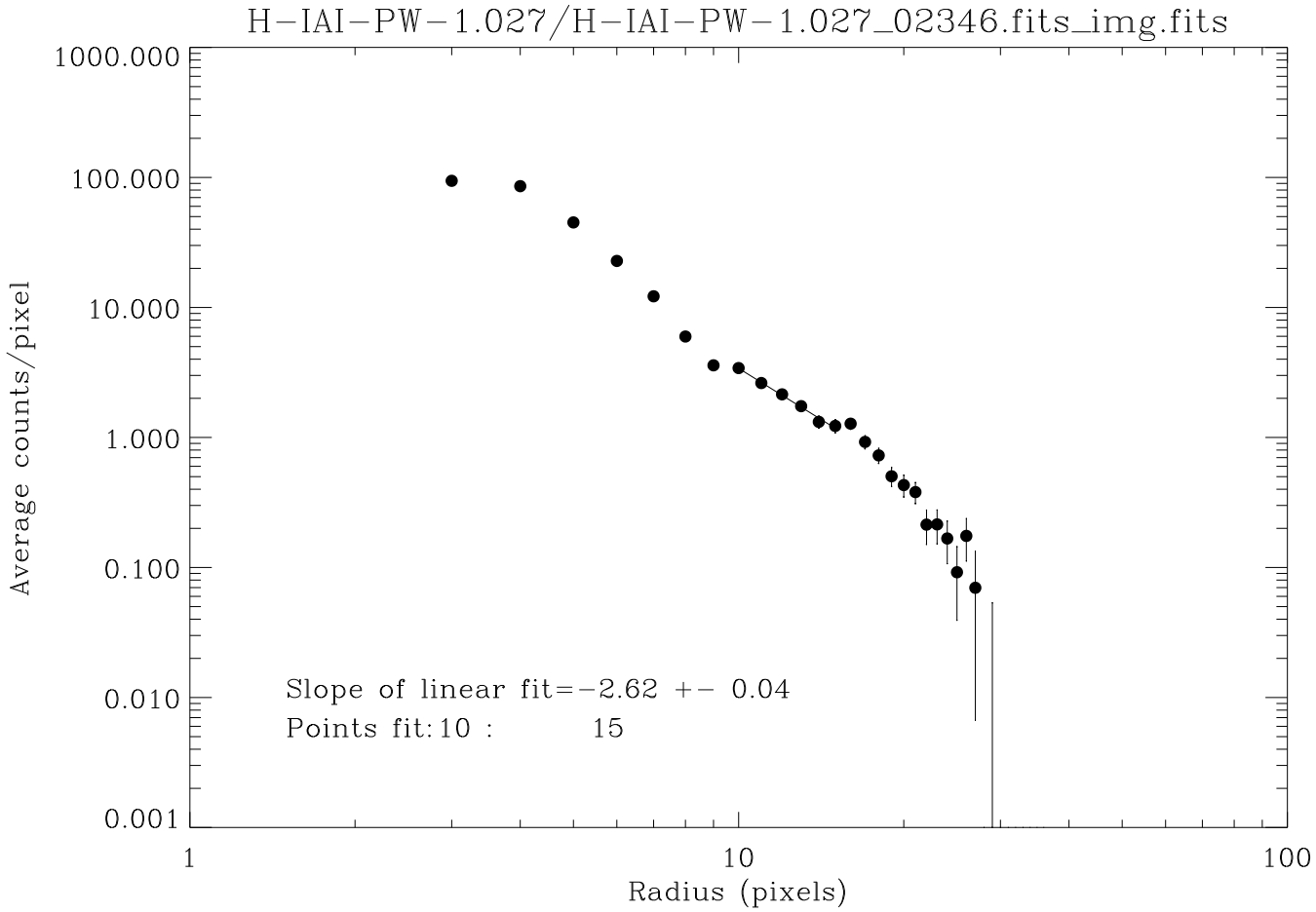
Encircled energy radii in microns

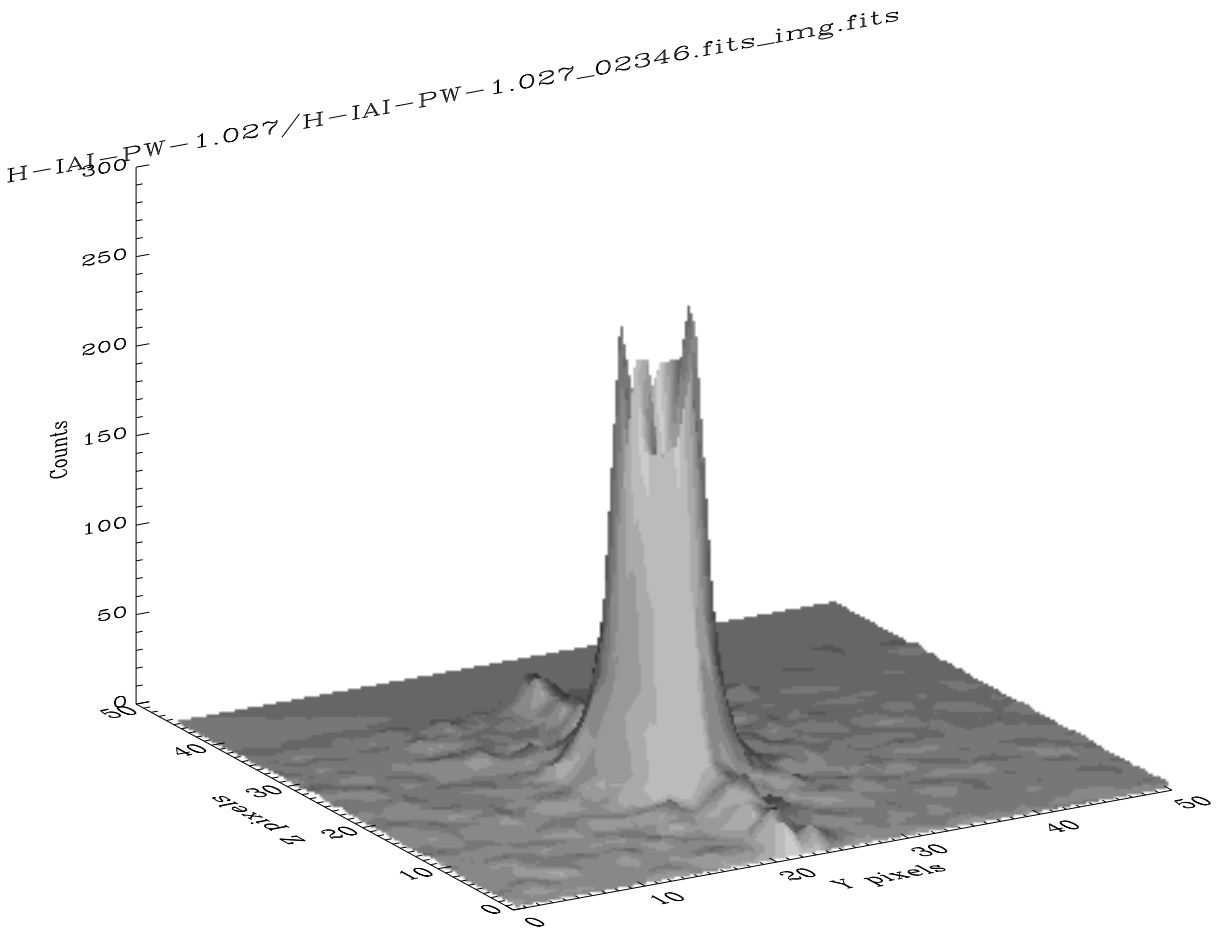
50% radius = 81.8718

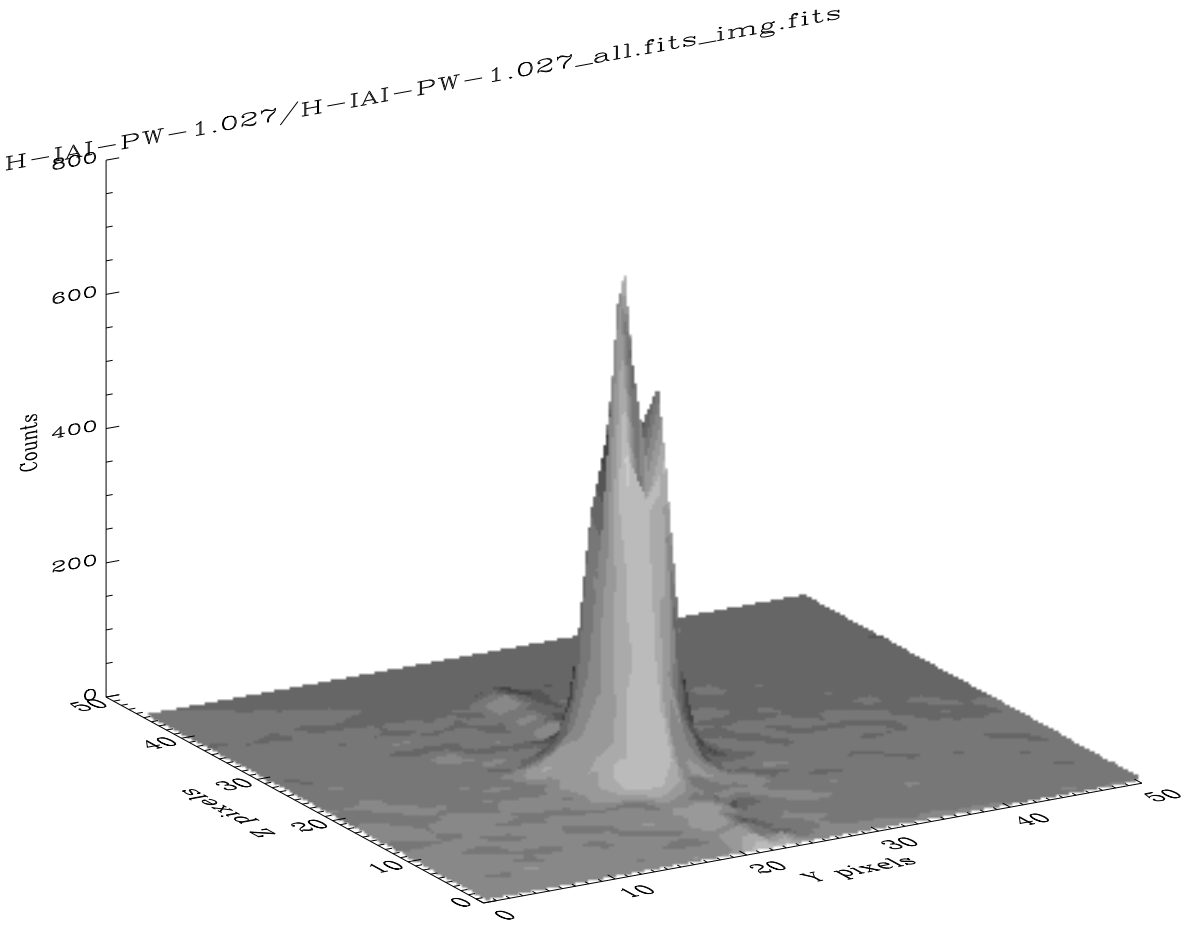
70% radius = 131.397

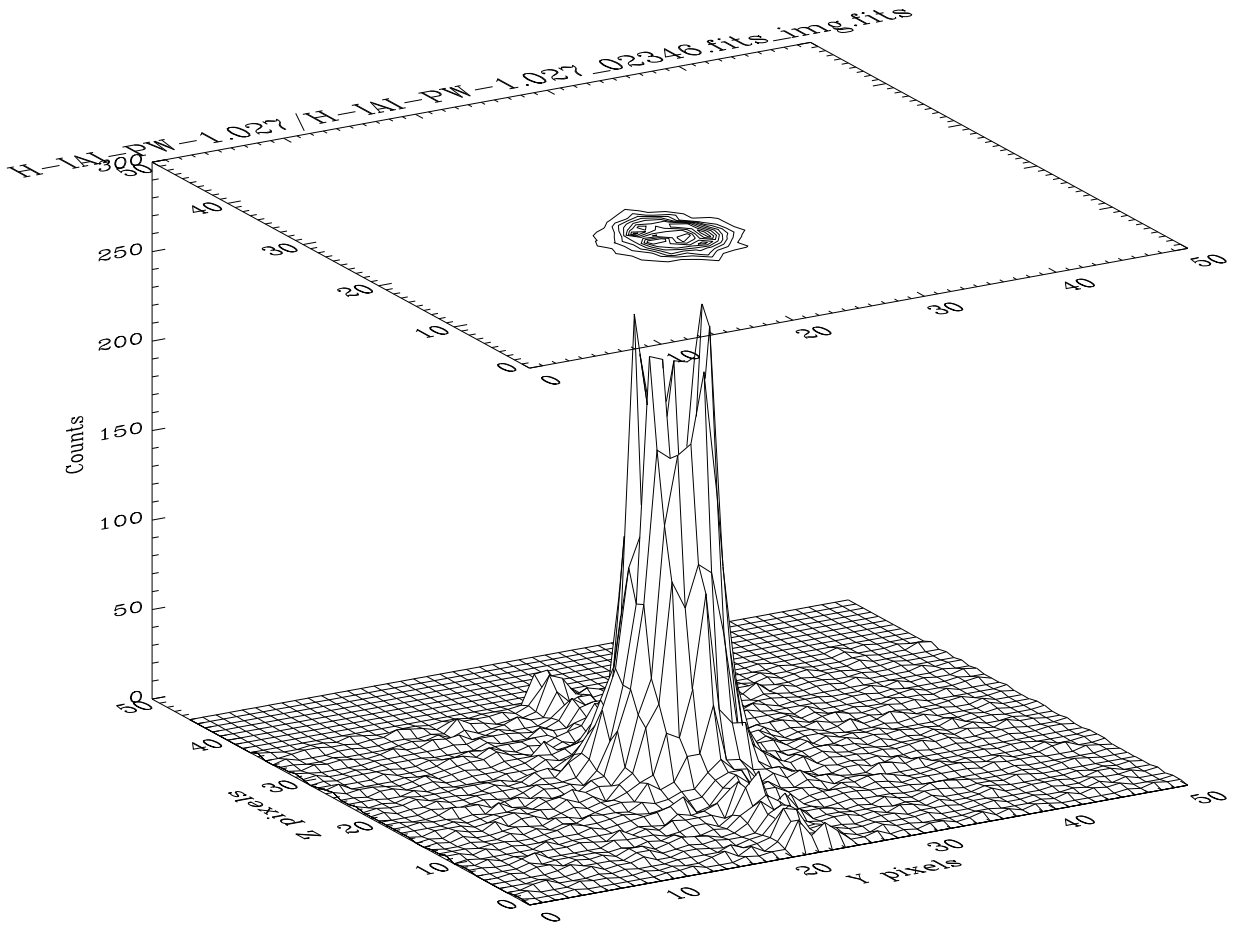
90% radius = 366.389

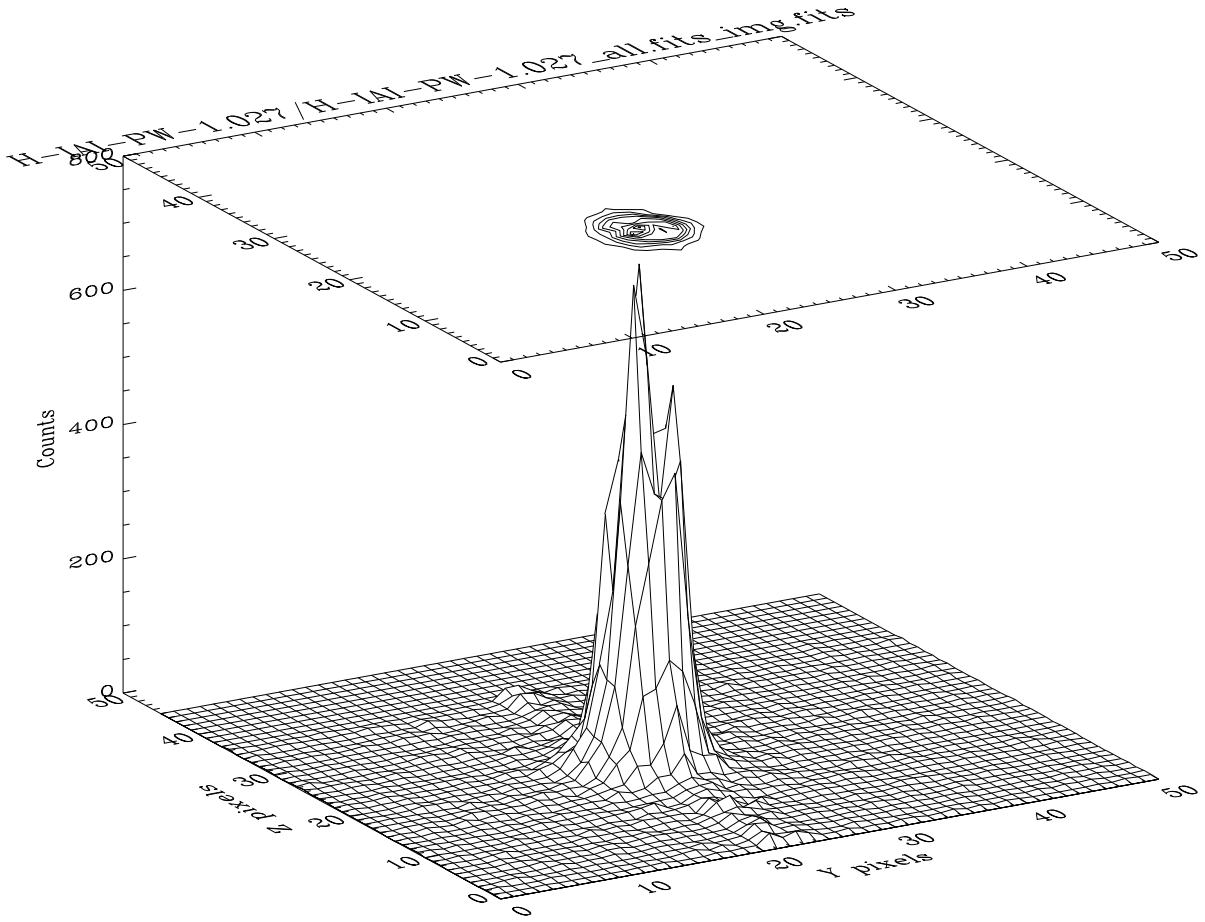

fit and residuals
10
1
avg. cts/pix
10.0
1.0
0.1
avg. cts/pix
10
radius (pix)

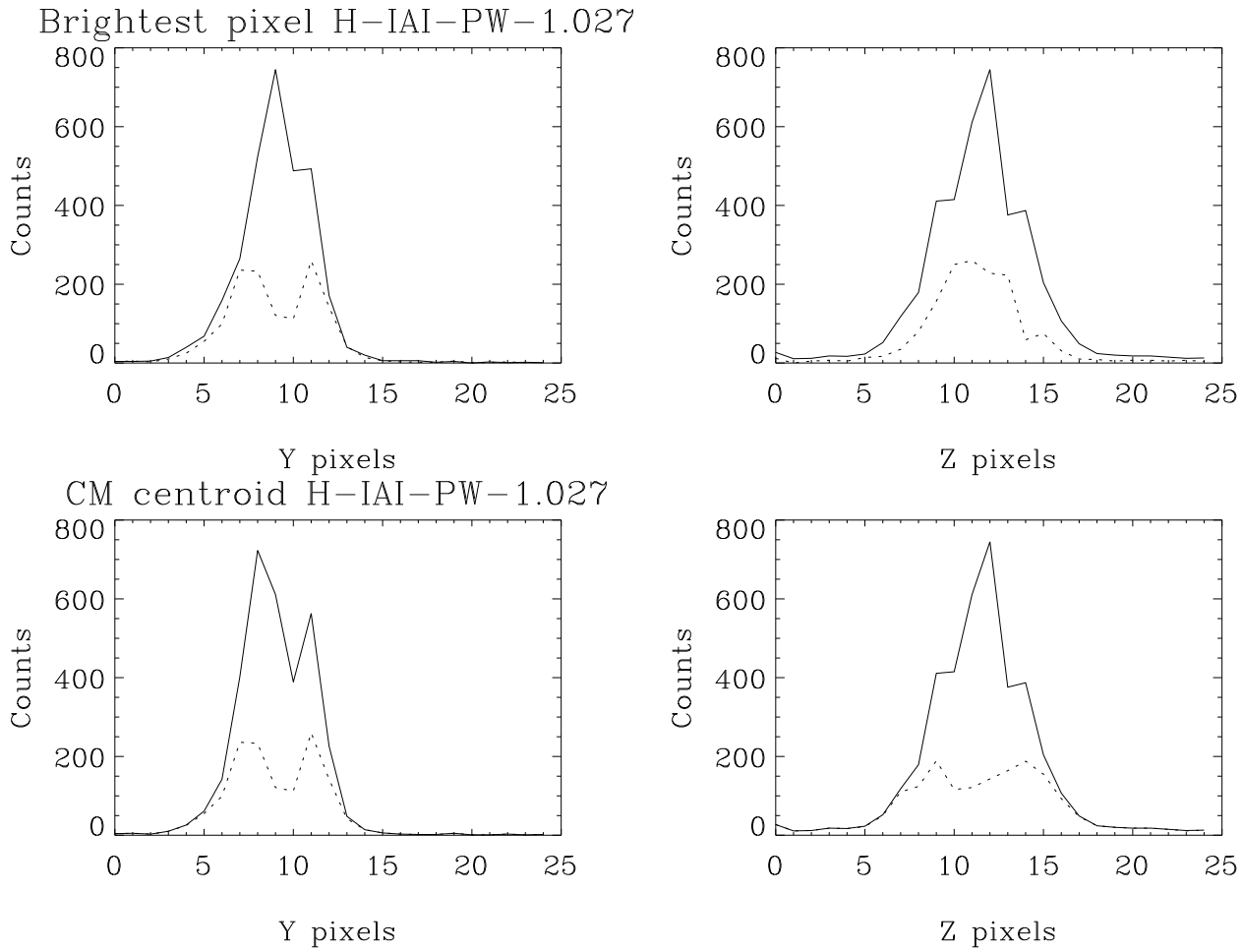

H−IAI−PW−1.027/H−IAI−PW−1.027_02346.fits_img.fits
1000.000
100.000
10.000
1.000
0.100
0.010
0.001
Average counts/pixel
Slope of linear fit=−2.62 +− 0.04
Points fit:10 : 15
1
10
100
Radius (pixels)


H-IAI-PW-1.027/H-IAI-PW-1.027_02346.fits_img.fits
Counts
300
250
200
150
100
50
0
Z pixels
50
40
30
20
10
0
0
10
20
30
40
50
Y pixels


H-IAI-PW-1.027/H-IAI-PW-1.027_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_1.027/H_IAI_PW_1.027_02346.fits_img.fits
Counts
X pixels
Y pixels


H-1AL-PW-1.027 /H-1AL-PW-1.027 -all.fits_img.fits
Counts
800
600
400
200
0
Z pixels
Y pixels
0
10
20
30
40
50



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

Brightest pixel (Y,Z)

All grades	9	12
Std. grades	11	11

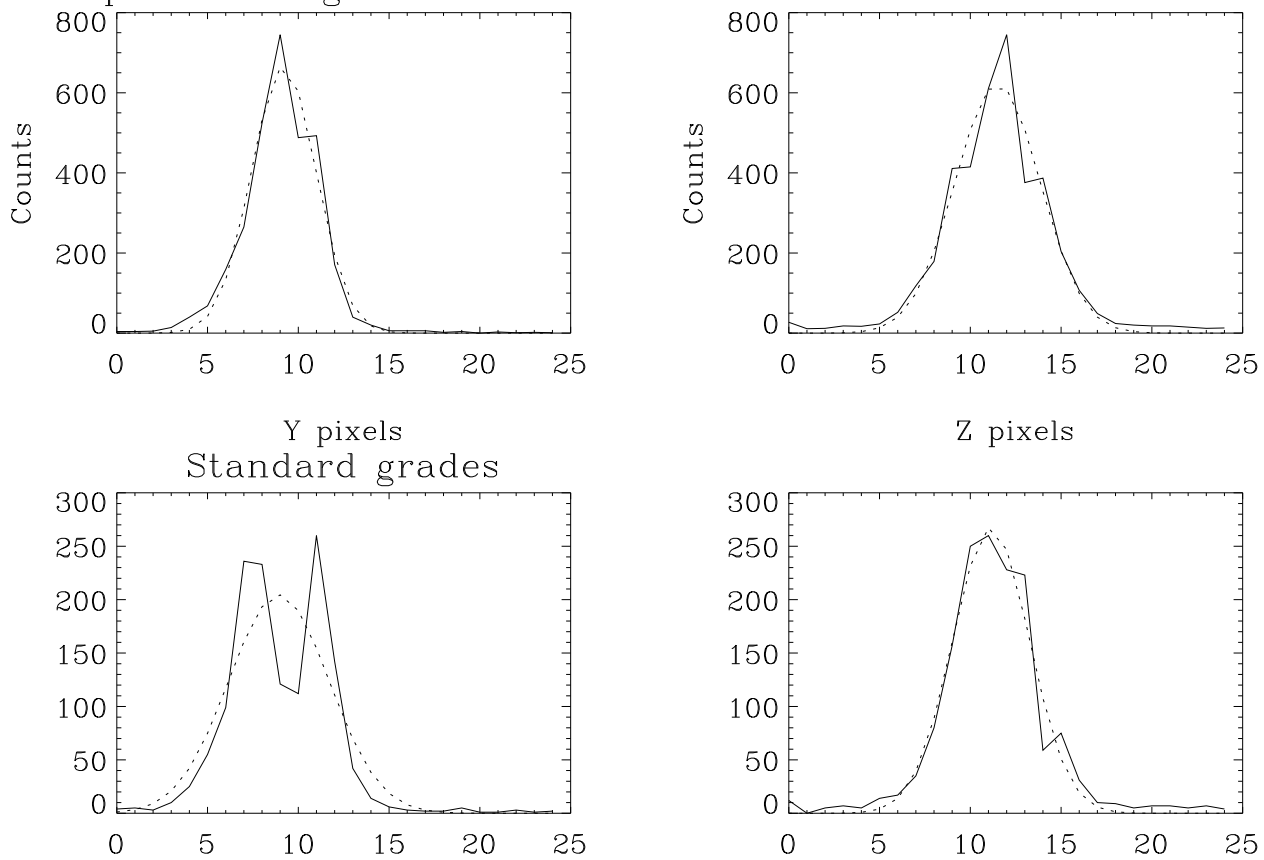
CM Centroid (Y,Z)

All grades	9.06597	11.4764
Std. grades	9.07453	11.5316

Brightest pixel maxima

All grades:	745
Std. grades:	260

Brightest pixel - All grades H-IAI-PW-1.027



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

	Integrated	Analytical
All Y	2983.1378	2983.9511
Std Y	1419.8524	1420.7584
All Z	3664.9869	3664.8579
Std Z	1420.3001	1420.2433

	amplitude	offset	sigma	FWHM
All Y:	667.97636	9.1996594	1.7821353	4.1951467
Std Y:	204.52052	8.9285107	2.7713629	6.5237885
All Z:	623.46924	11.503033	2.3450504	5.5202488
Std Z:	267.90027	11.144186	2.1149479	4.9785875