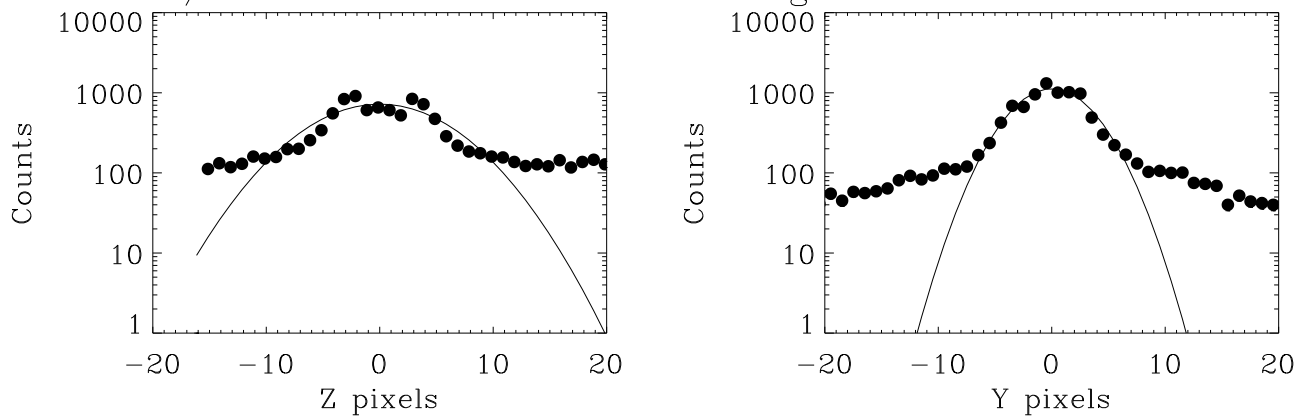
H-IAI-PW-2.025/H-IAI-PW-2.025_02346.fits_img.fits



All measurements in pixels

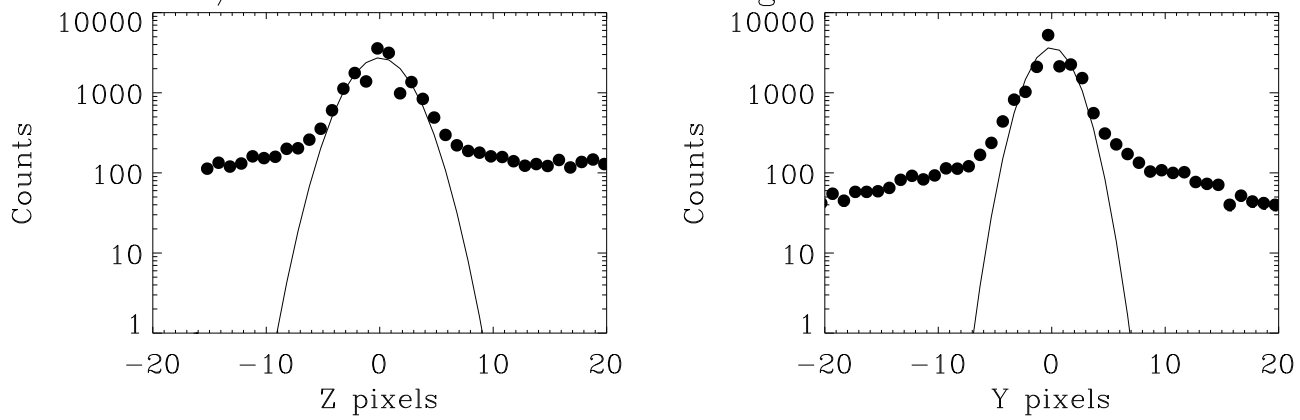
Z gaussian FWHM = 12.882713

Y gaussian FWHM = 7.4529225

Z fit parameters: Amplitude= 722 Offset= 16 Sigma= 5

Y fit parameters: Amplitude= 1127 Offset= 24 Sigma= 3

H-IAI-PW-2.025/H-IAI-PW-2.025_all.fits_img.fits



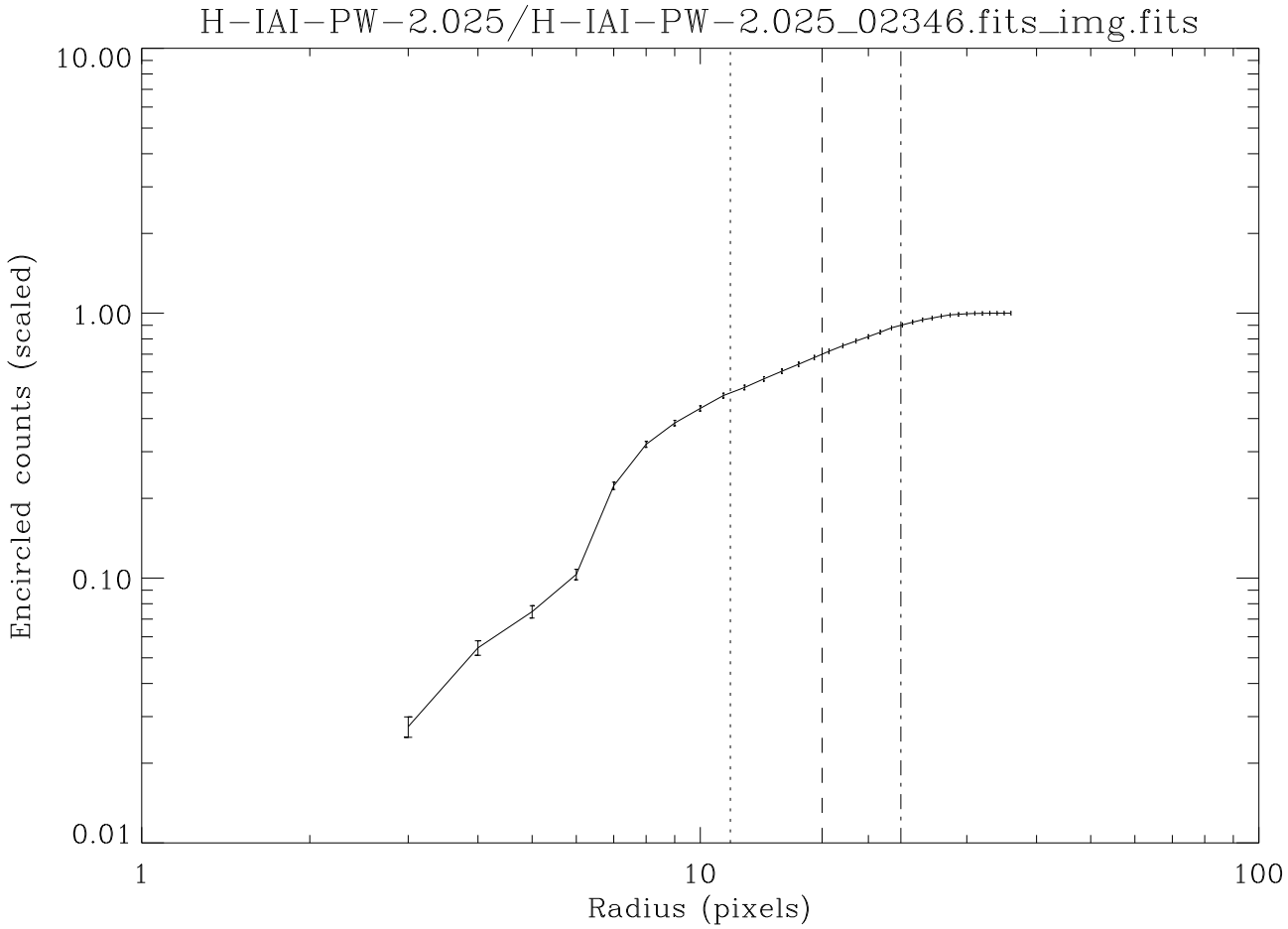
All measurements in pixels

Z gaussian FWHM = 5.3674953

Y gaussian FWHM = 4.0134572

Z fit parameters: Amplitude= 2735 Offset= 16 Sigma= 2

Y fit parameters: Amplitude= 3688 Offset= 24 Sigma= 1



Encircled energy radii in pixels

50% radius = 11.3201

70% radius = 16.5240

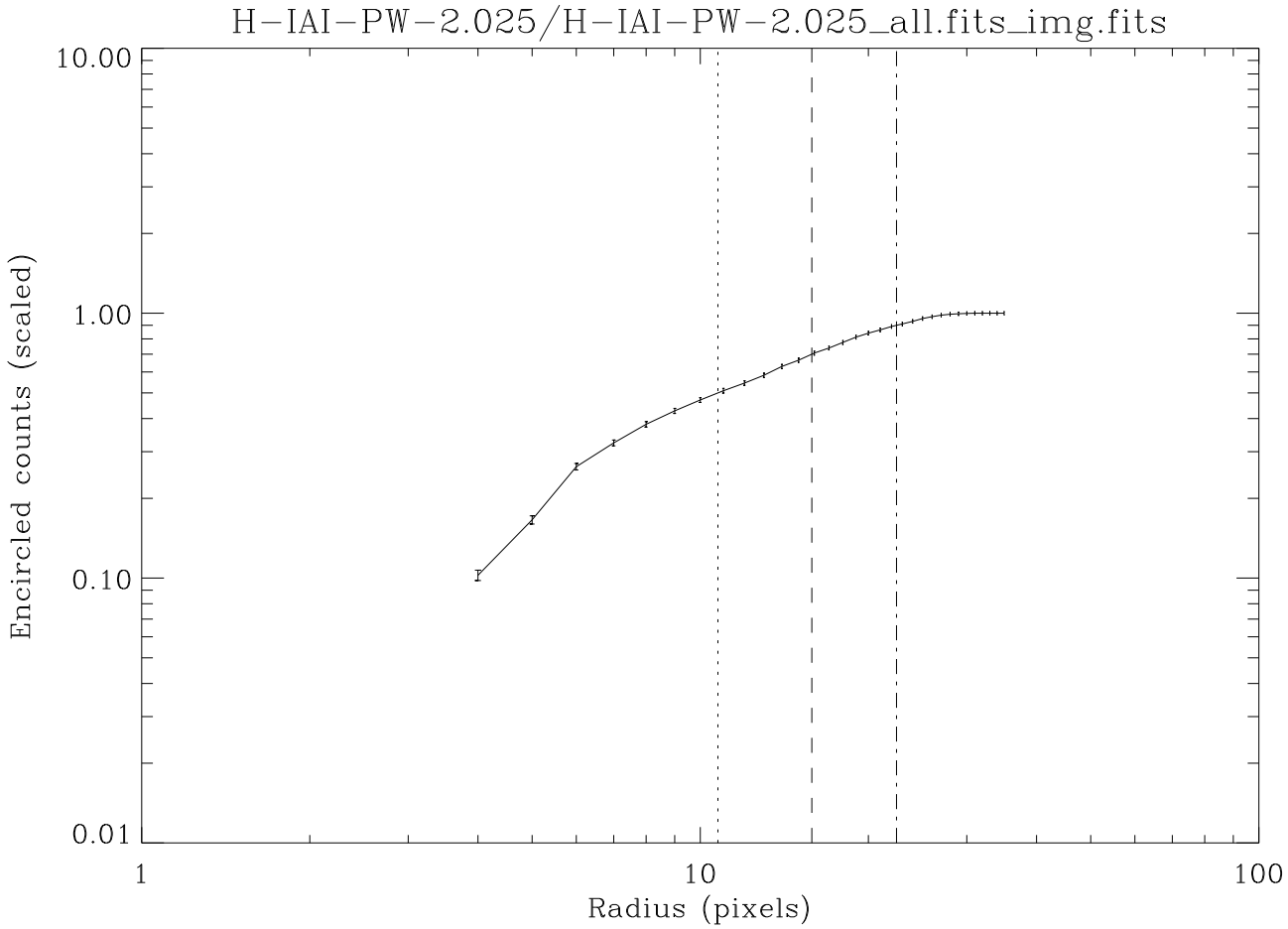
90% radius = 22.8618

Encircled energy radii in microns

50% radius = 271.683

70% radius = 396.576

90% radius = 548.682



Encircled energy radii in pixels

50% radius = 10.7553

70% radius = 15.8368

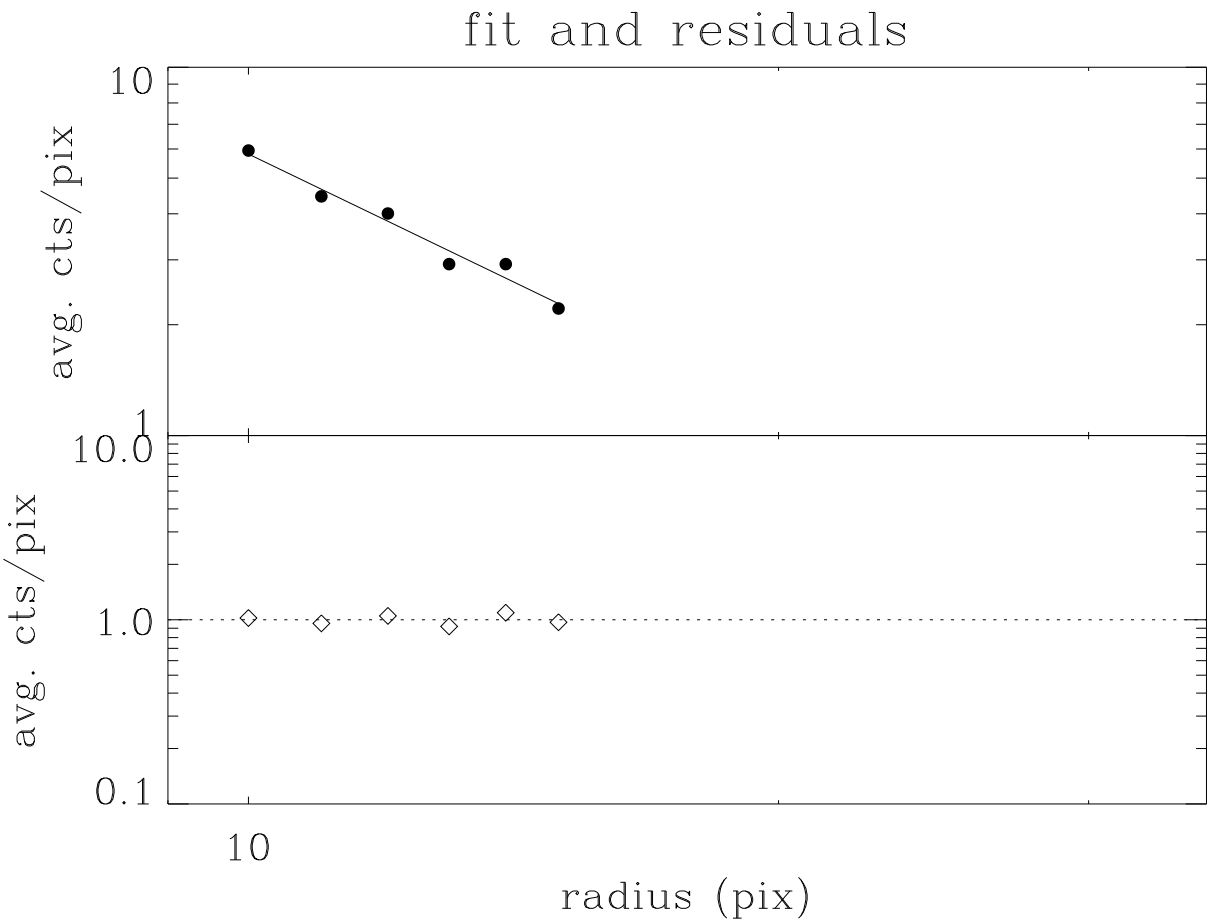
90% radius = 22.4573

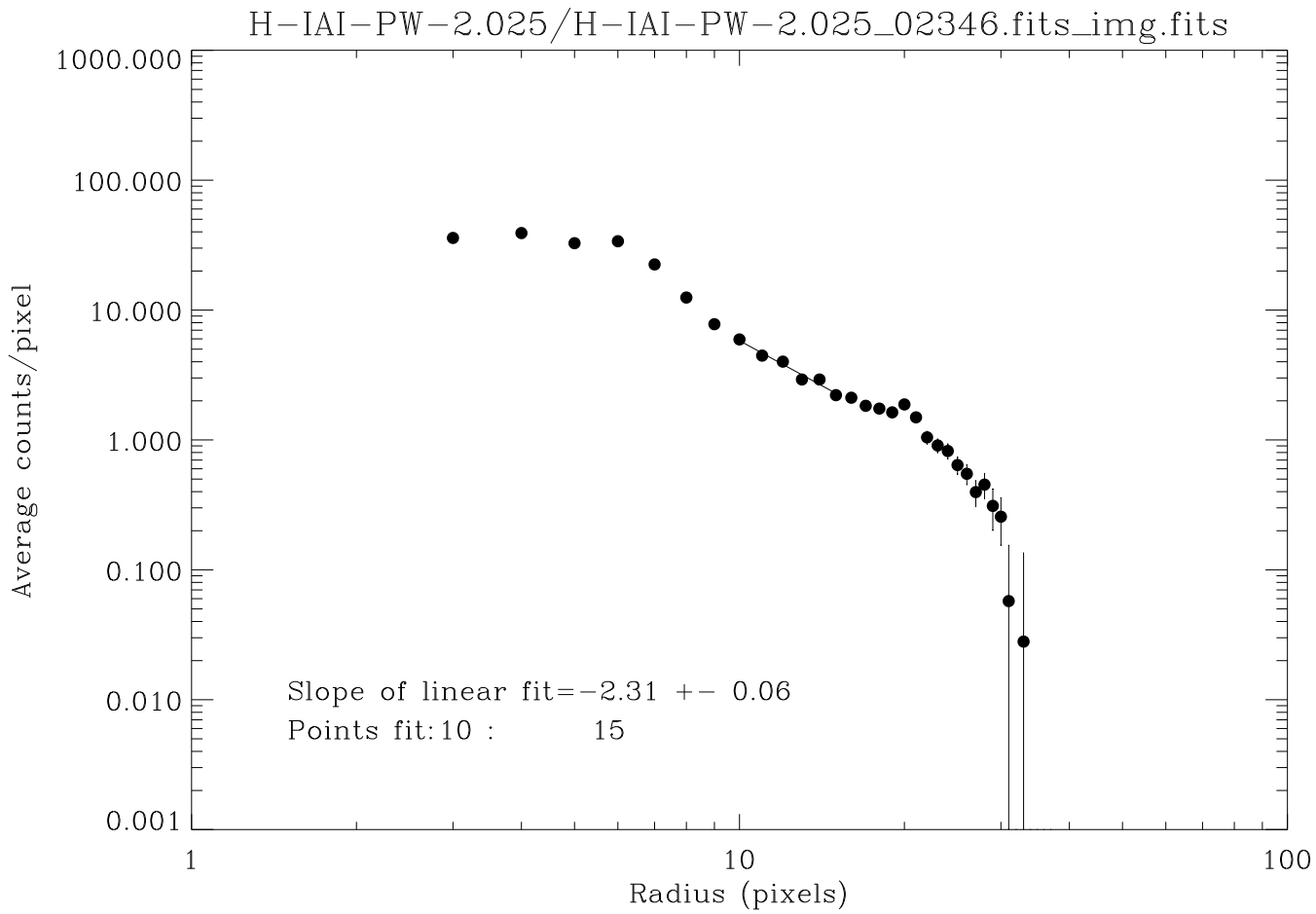
Encircled energy radii in microns

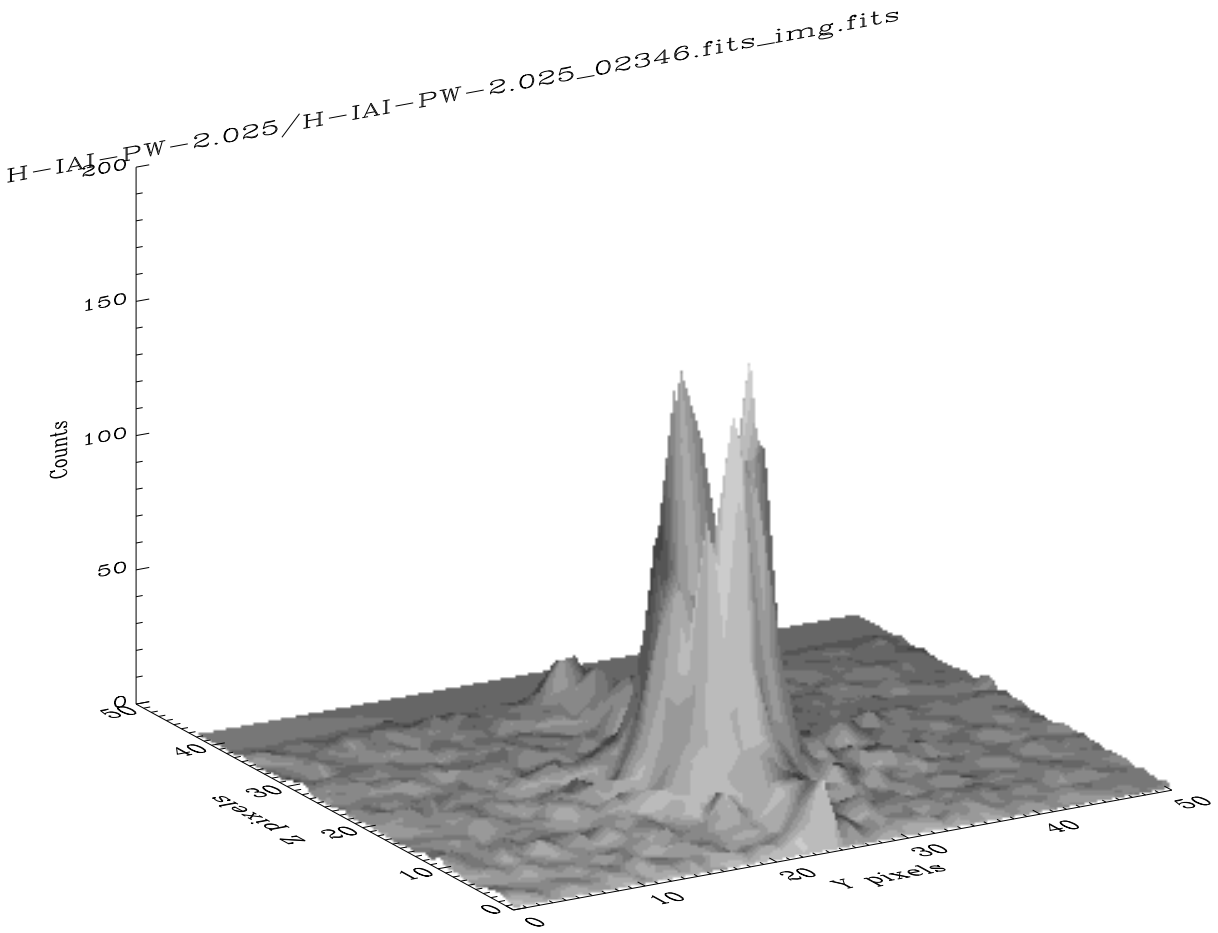
50% radius = 258.126

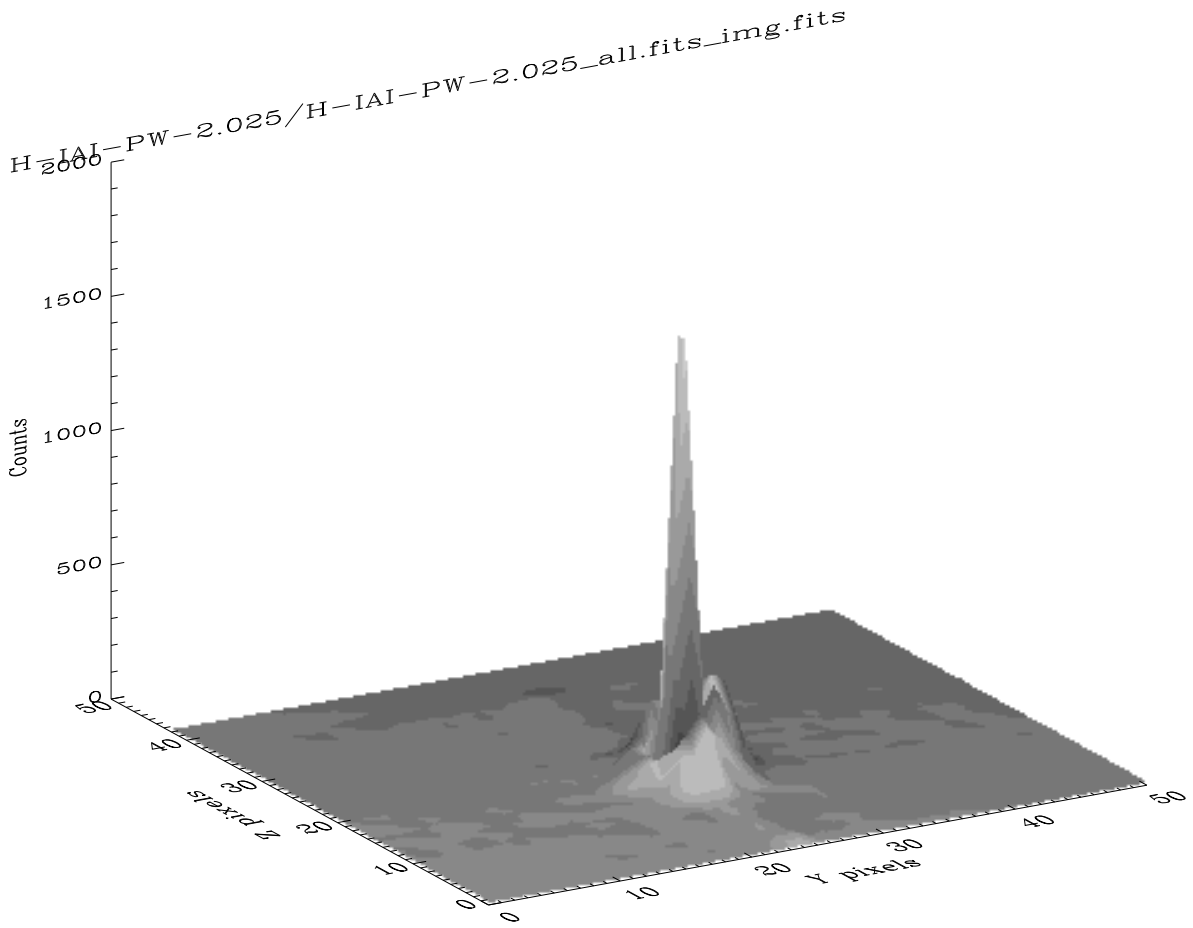
70% radius = 380.082

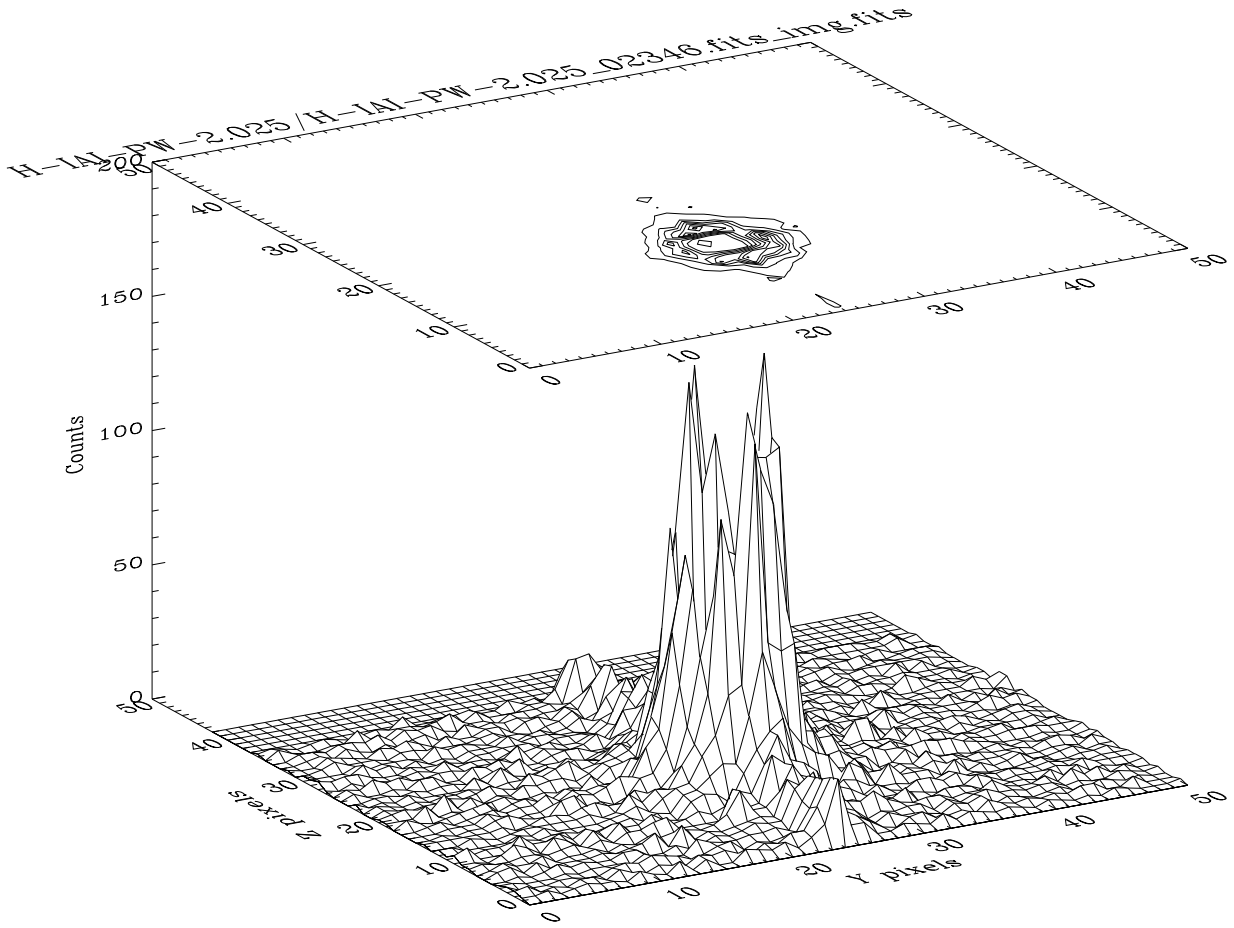
90% radius = 538.975

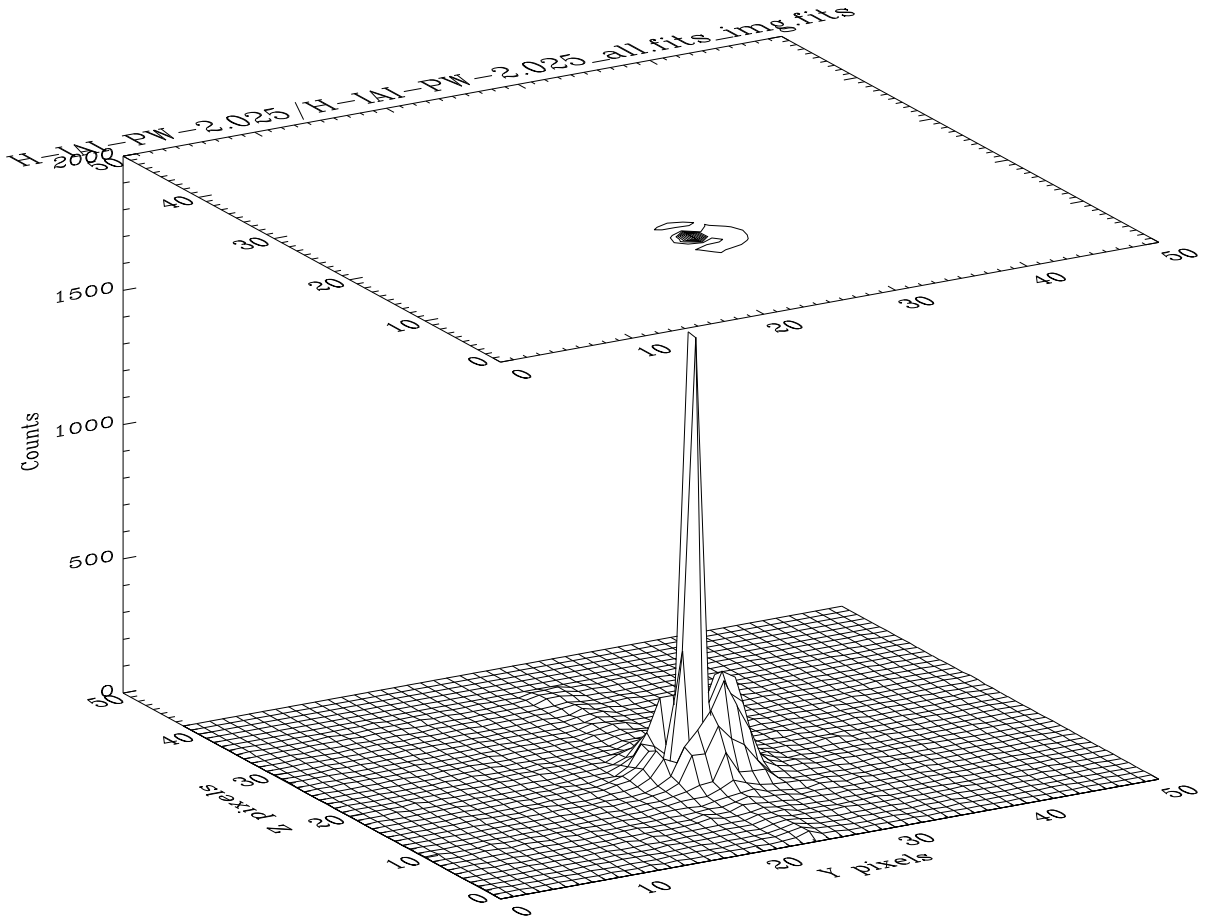

fit and residuals
10
1
avg. cts/pix
10.0
1.0
0.1
avg. cts/pix
10
radius (pix)

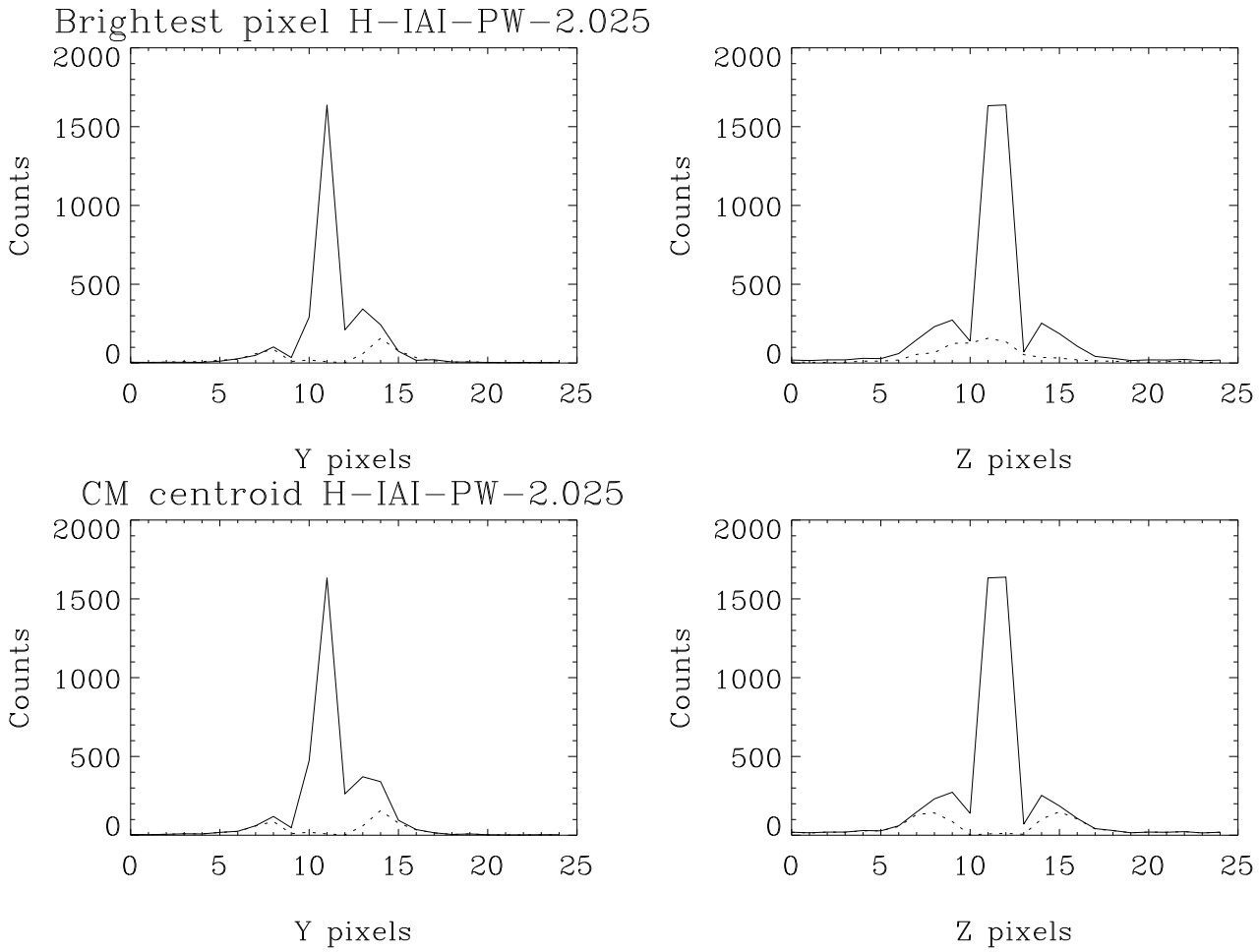

H−IAI−PW−2.025/H−IAI−PW−2.025_02346.fits_img.fits
1000.000
100.000
10.000
1.000
0.100
0.010
0.001
Average counts/pixel
Slope of linear fit=−2.31 +− 0.06
Points fit:10 : 15
1
10
100
Radius (pixels)


H-IAI-PW-2.025/H-IAI-PW-2.025_02346.fits_img.fits
Counts
200
150
100
50
0
Z pixels
0
10
20
30
40
50
Y pixels


H-IAI-PW-2.025/H-IAI-PW-2.025_all.fits_img.fits
Counts
2000
1500
1000
500
0
Z pixels
0
10
20
30
40
50
Y pixels


H_IAI_PW_2.025_022346.fits_img.fits
Counts
Z pixels
Y pixels


H-1AL-PW-2.025/H-1AL-PW-2.025_all.fits_img.fits
2000
1500
1000
500
0
Counts
0
10
20
30
40
50
Z pixels
Y pixels



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

Brightest pixel (Y,Z)

All grades	11	12
Std. grades	14	11

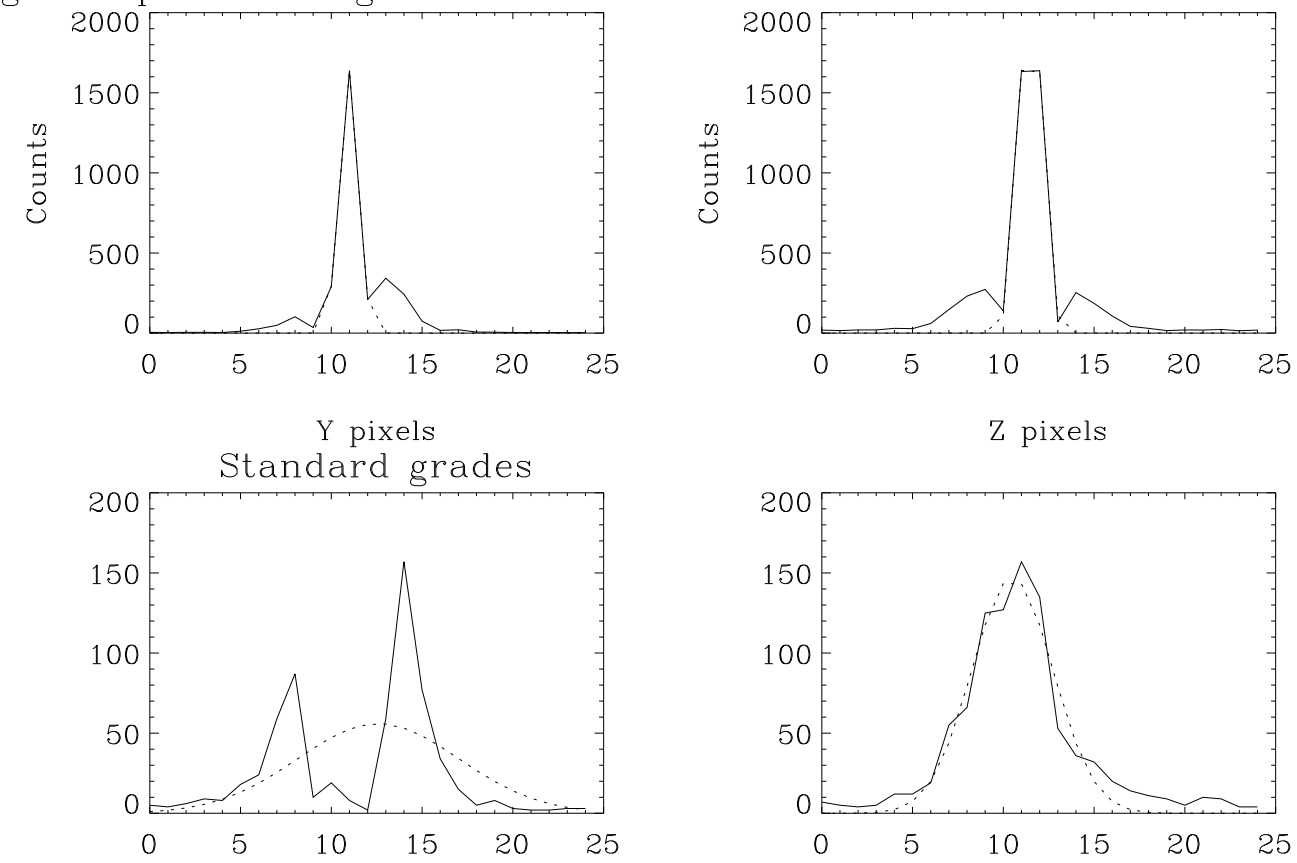
CM Centroid (Y,Z)

All grades	11.4567	11.3175
Std. grades	11.5286	11.3963

Brightest pixel maxima

All grades:	1638
Std. grades:	157

Brightest pixel – All grades H–IAI–PW–2.025



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

	Integrated	Analytical
All Y	2620.1121	2123.2889
Std Y	619.81761	624.54437
All Z	3558.7457	3493.1050
Std Z	827.91426	827.96633

	amplitude	offset	sigma	FWHM
All Y:	1642.9136	10.958181	0.51558993	1.2136987
Std Y:	55.923210	12.584958	4.4553443	10.487881
All Z:	2295.9409	11.498089	0.60696129	1.4287869
Std Z:	146.86596	10.499346	2.2490628	5.2942941