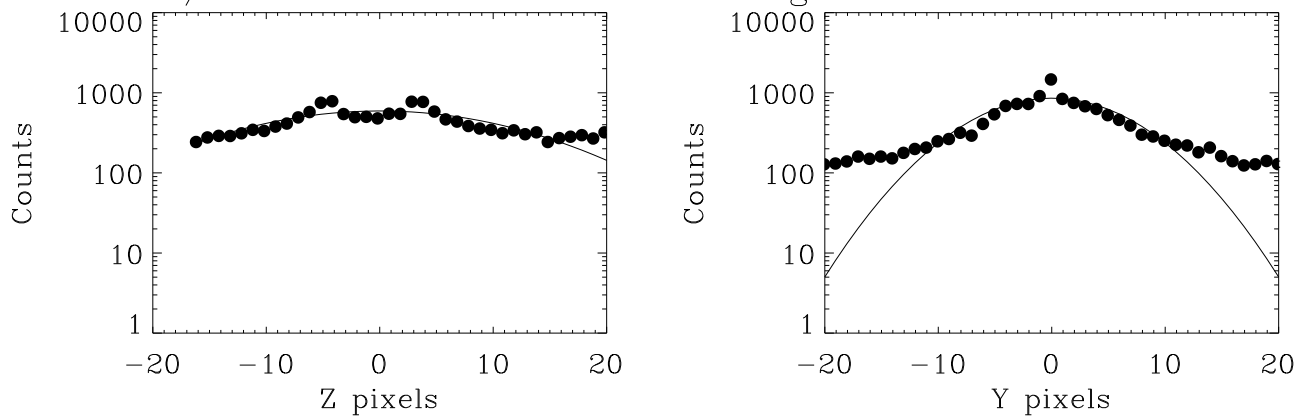
H-IAI-PW-2.028/H-IAI-PW-2.028_02346.fits_img.fits



All measurements in pixels

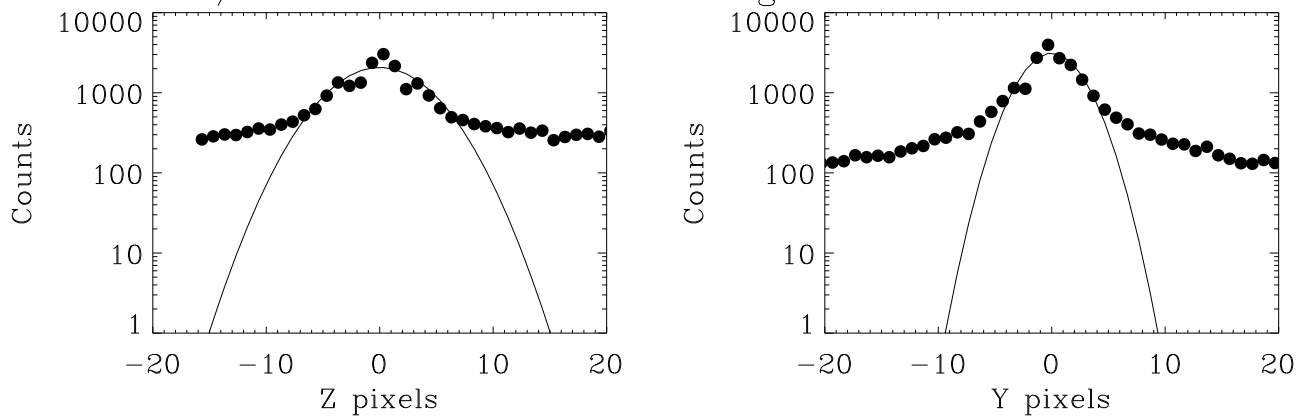
Z gaussian FWHM = 27.949652

Y gaussian FWHM = 14.688787

Z fit parameters: Amplitude= 593 Offset= 16 Sigma= 11

Y fit parameters: Amplitude= 856 Offset= 24 Sigma= 6

H-IAI-PW-2.028/H-IAI-PW-2.028_all.fits_img.fits



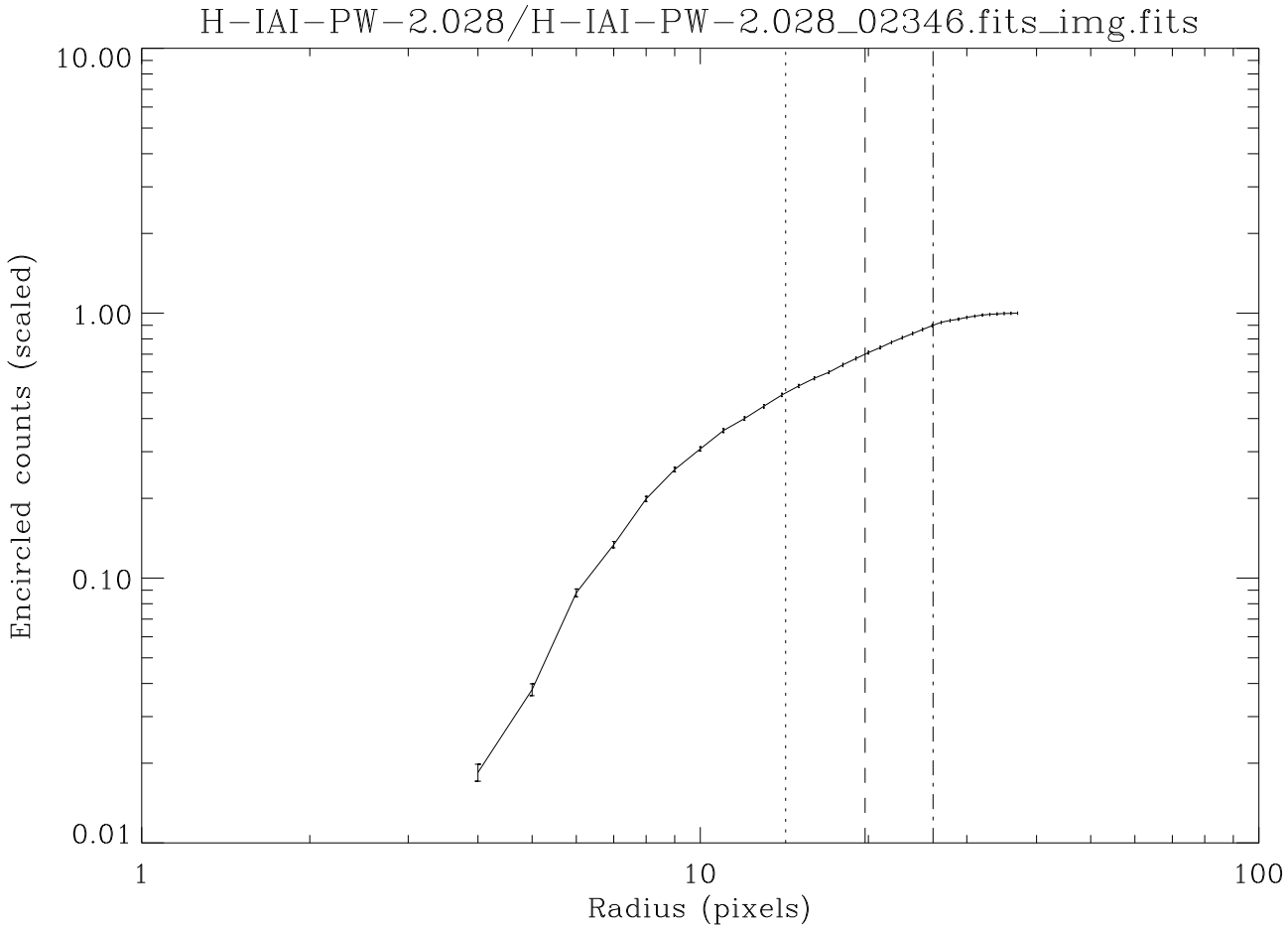
All measurements in pixels

Z gaussian FWHM = 9.0622988

Y gaussian FWHM = 5.5034721

Z fit parameters: Amplitude= 2074 Offset= 15 Sigma= 3

Y fit parameters: Amplitude= 3140 Offset= 24 Sigma= 2



Encircled energy radii in pixels

50% radius = 14.2172

70% radius = 19.7249

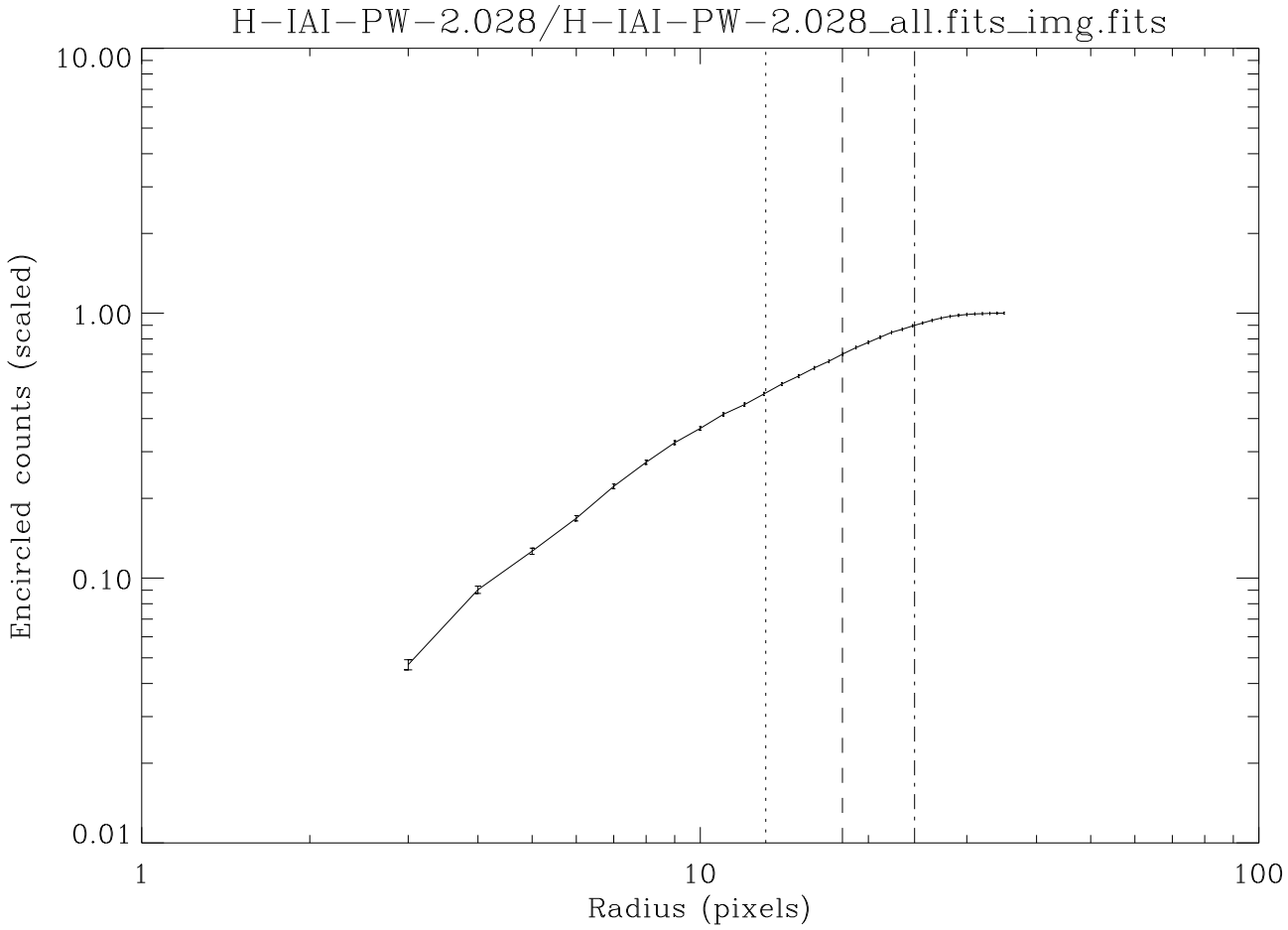
90% radius = 26.1030

Encircled energy radii in microns

50% radius = 341.212

70% radius = 473.397

90% radius = 626.473



Encircled energy radii in pixels

50% radius = 13.0992

70% radius = 17.9677

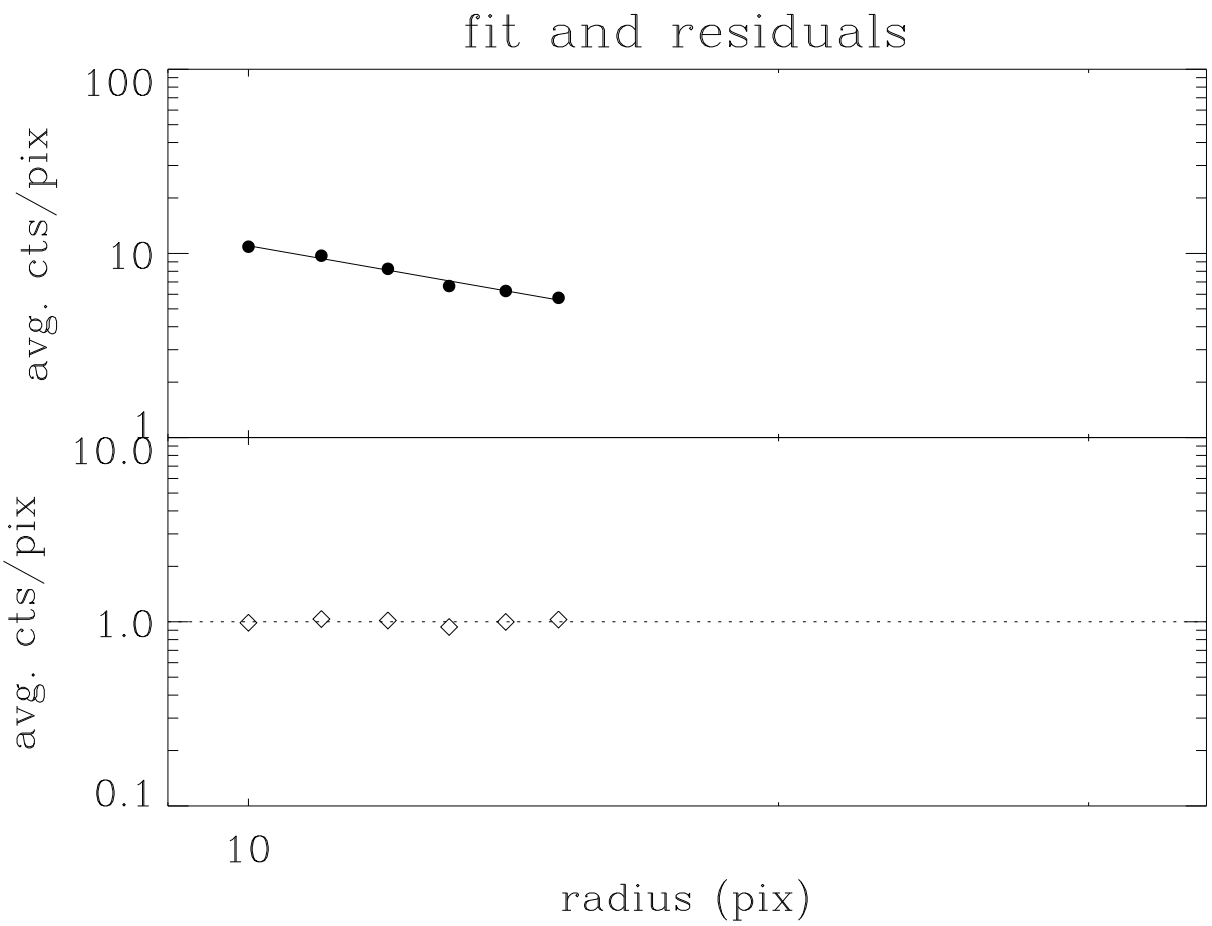
90% radius = 24.1914

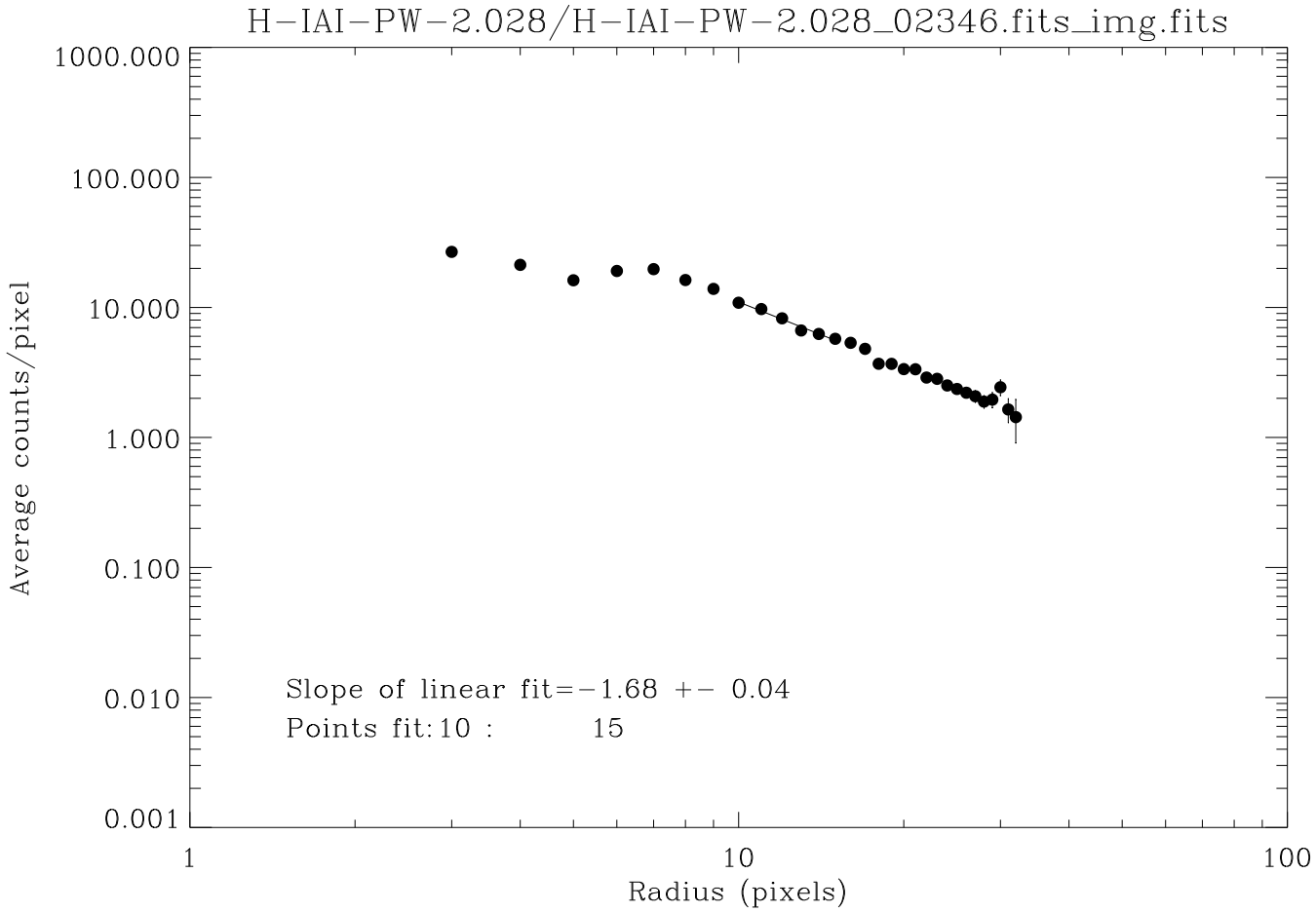
Encircled energy radii in microns

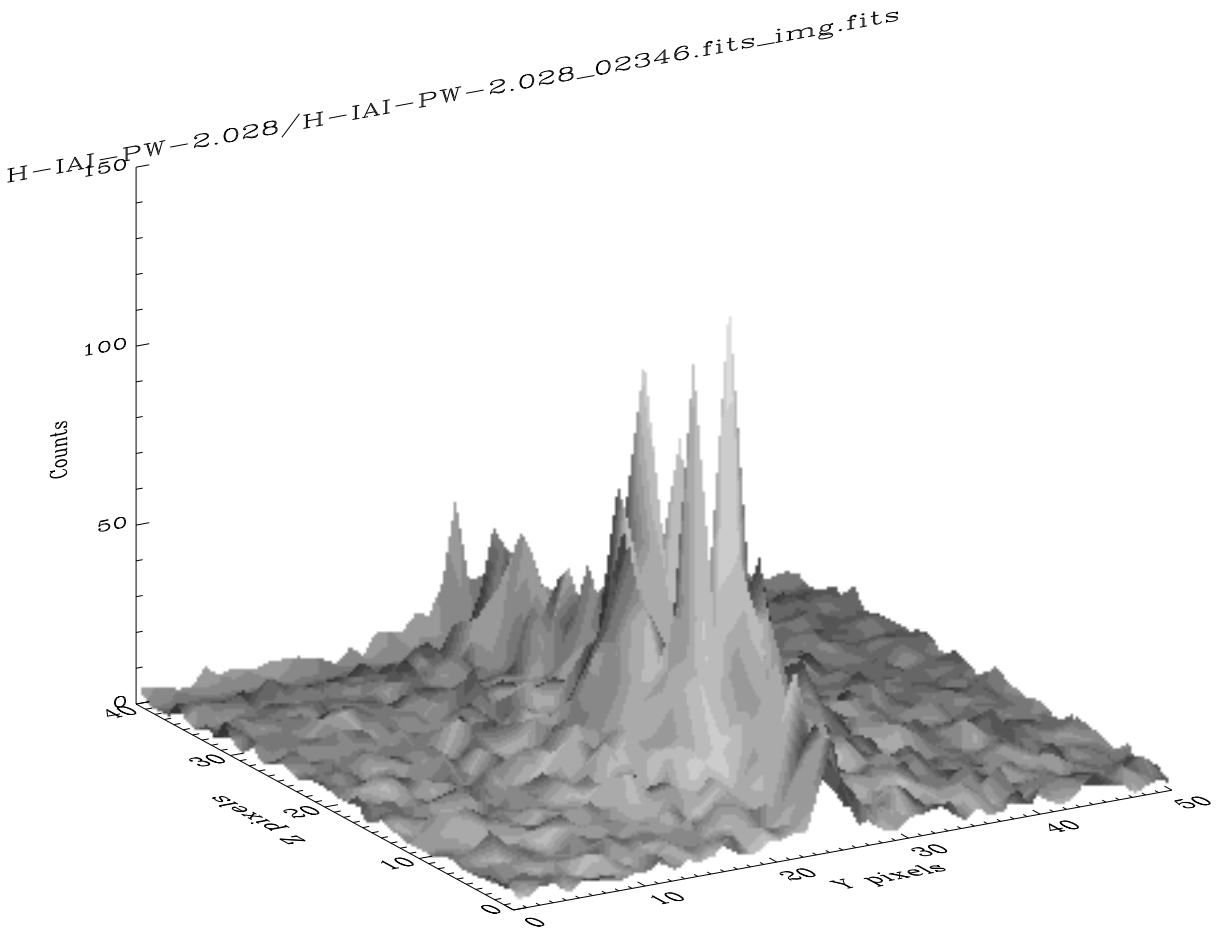
50% radius = 314.380

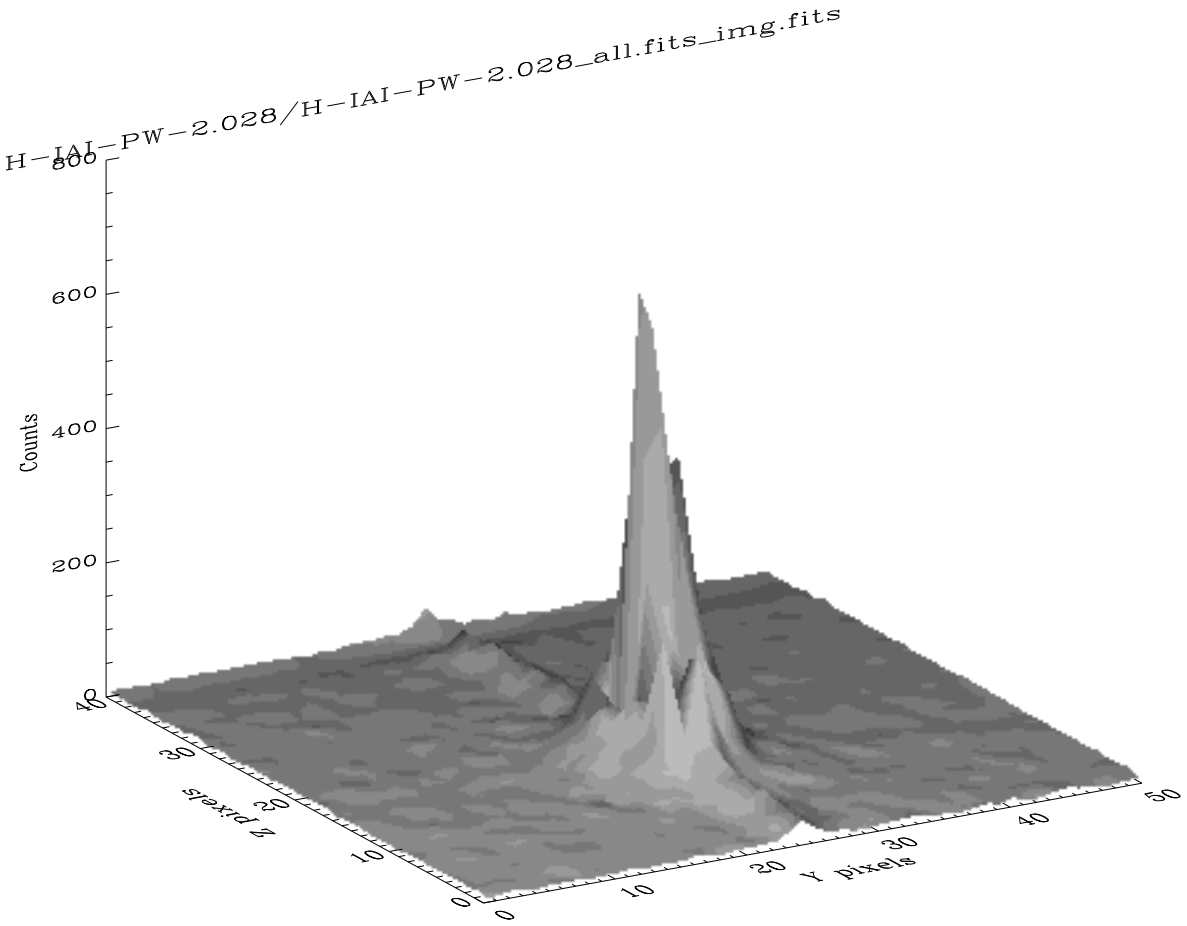
70% radius = 431.226

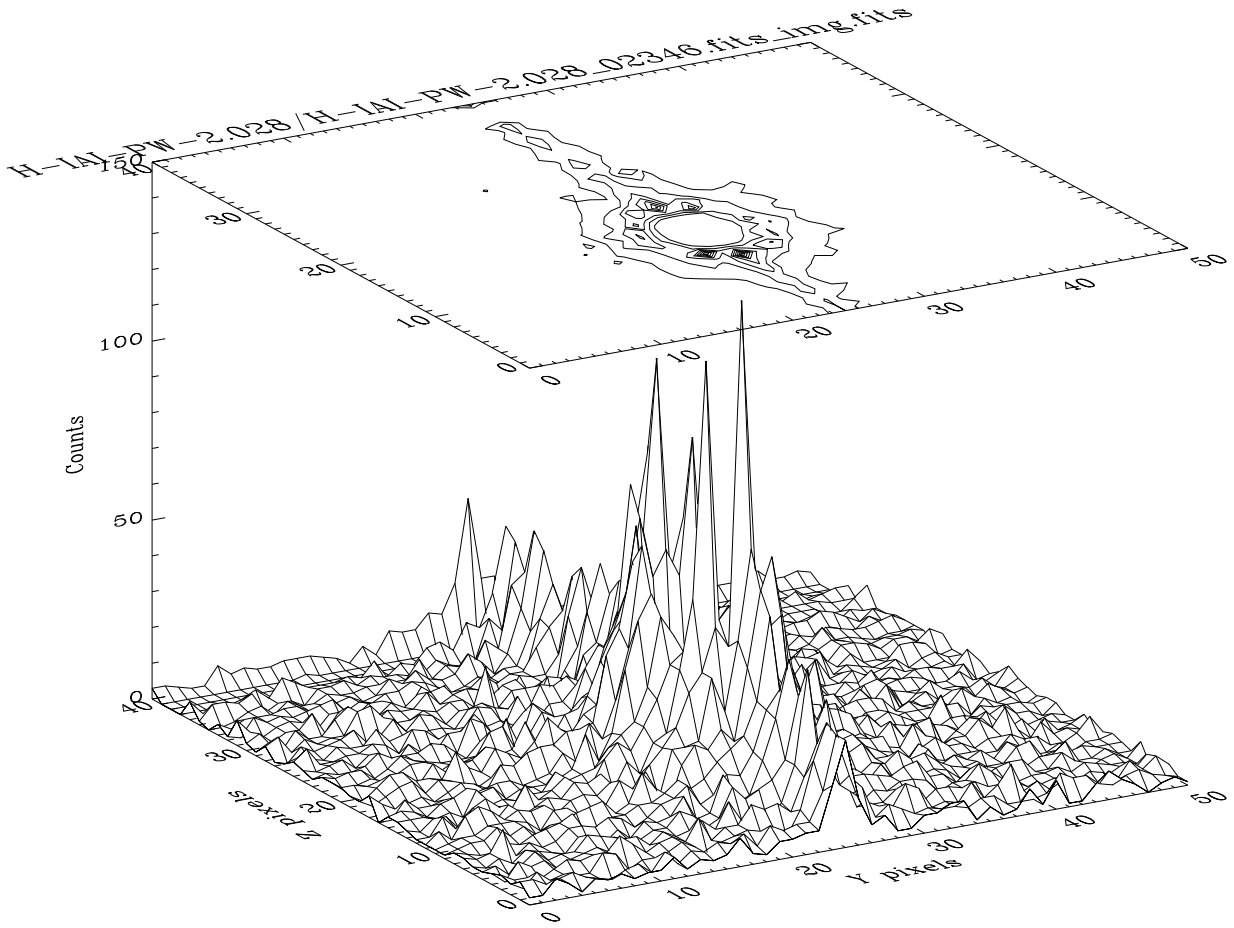
90% radius = 580.593

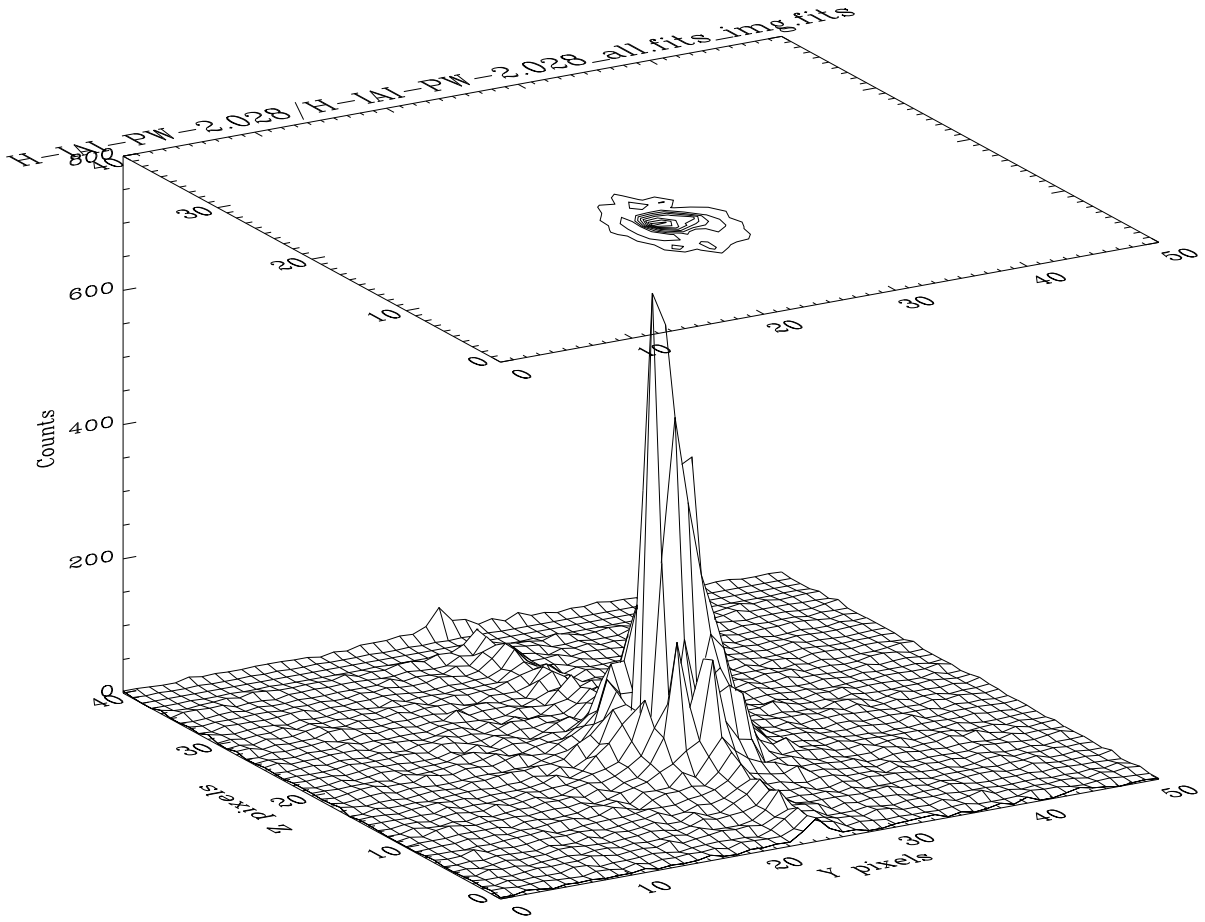

fit and residuals
100
10
1
avg. cts/pix
10.0
1.0
0.1
avg. cts/pix
10
radius (pix)

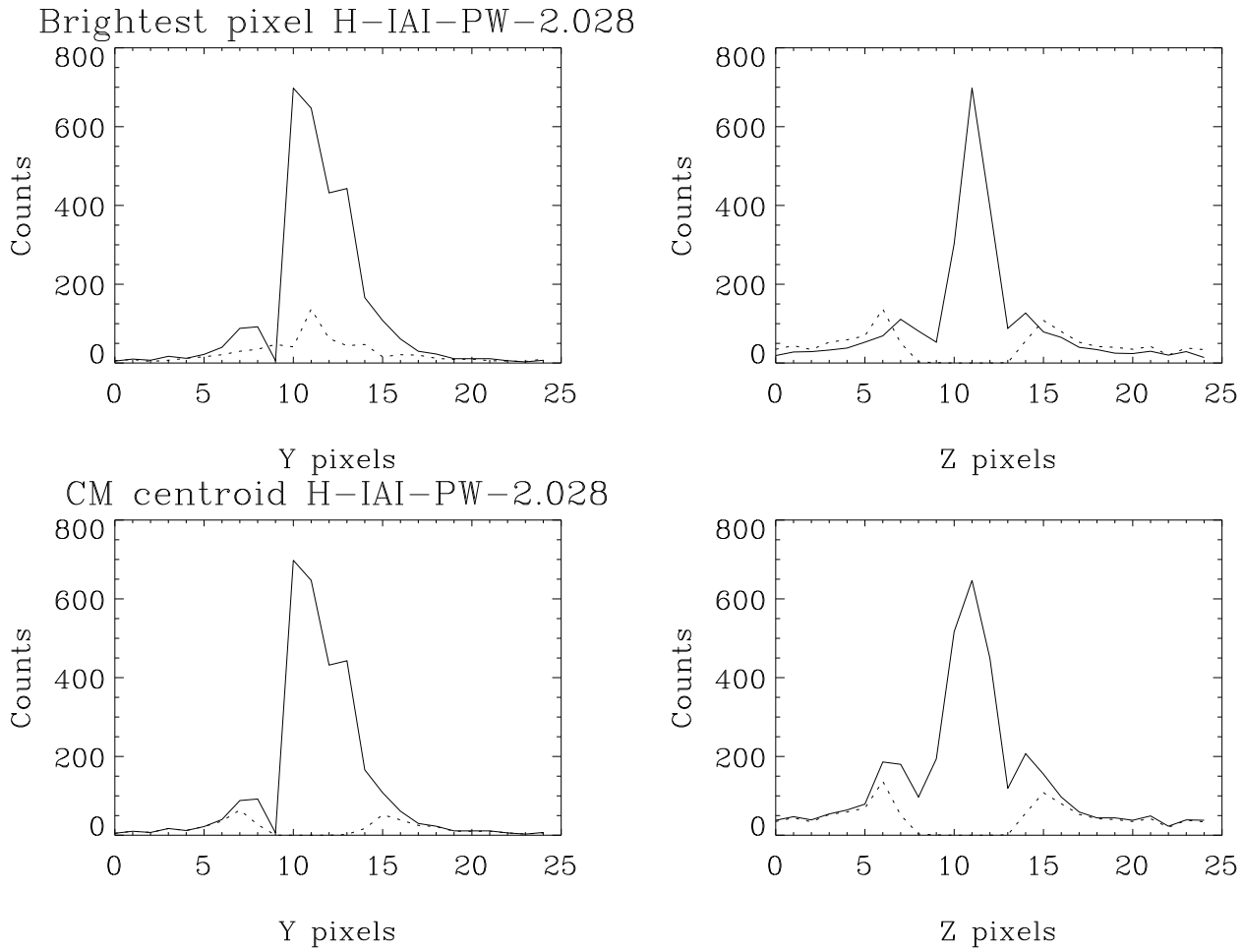

H−IAI−PW−2.028/H−IAI−PW−2.028_02346.fits_img.fits
1000.000
100.000
10.000
1.000
0.100
0.010
0.001
Average counts/pixel
Slope of linear fit=−1.68 +− 0.04
Points fit:10 : 15
1
10
100
Radius (pixels)


H-IAI-PW-2.028/H-IAI-PW-2.028_02346.fits_img.fits
Counts
150
100
50
0
X pixels
40
30
20
10
0
Y pixels
0
10
20
30
40
50


H-IAI-PW-2.028/H-IAI-PW-2.028_all.fits_img.fits
Counts
800
600
400
200
0
X pixels
40
30
20
10
0
Y pixels
0
10
20
30
40
50


H_IAI_PW_2.028/H_IAI_PW_2.028_02346.fits_img.fits
Counts
X pixels
Y pixels


H-1AL-PW-2.028/H-1AL-PW-2.028_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	10	11
Std. grades	11	6

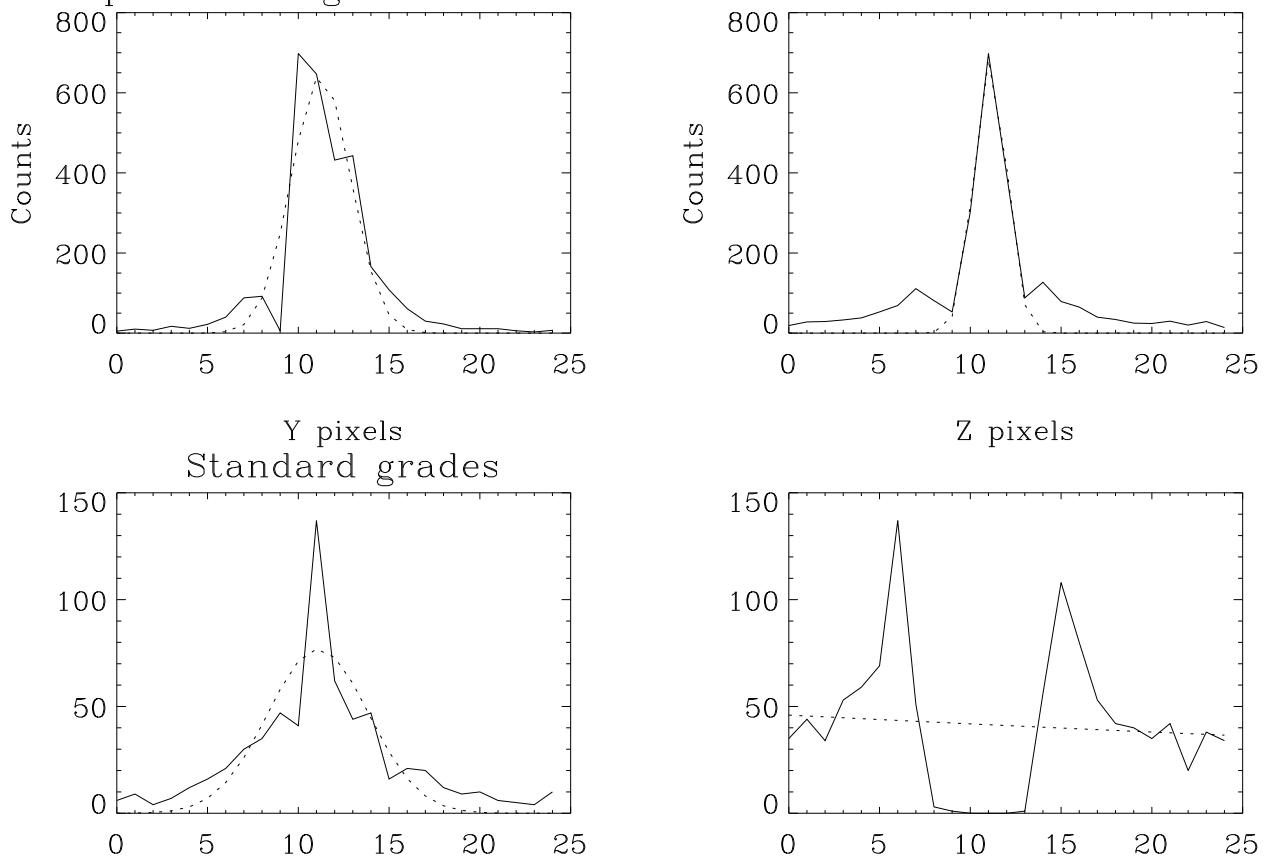
CM Centroid (Y,Z)

All grades	11.4282	11.0243
Std. grades	11.4076	11.3806

Brightest pixel maxima

All grades:	698.000
Std. grades:	137.000

Brightest pixel – All grades H–IAI–PW–2.028



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

	Integrated	Analytical
All Y	2635.2917	2633.5686
Std Y	536.42036	536.43898
All Z	1562.1947	1533.2645
Std Z	987.30794	142239.31

	amplitude	offset	sigma	FWHM
All Y:	645.68390	11.251761	1.6271768	3.8303743
Std Y:	76.944802	11.094055	2.7813210	6.5472298
All Z:	687.84610	11.103759	0.88927456	2.0933524
Std Z:	276.85794	−388.40343	204.96170	482.47986