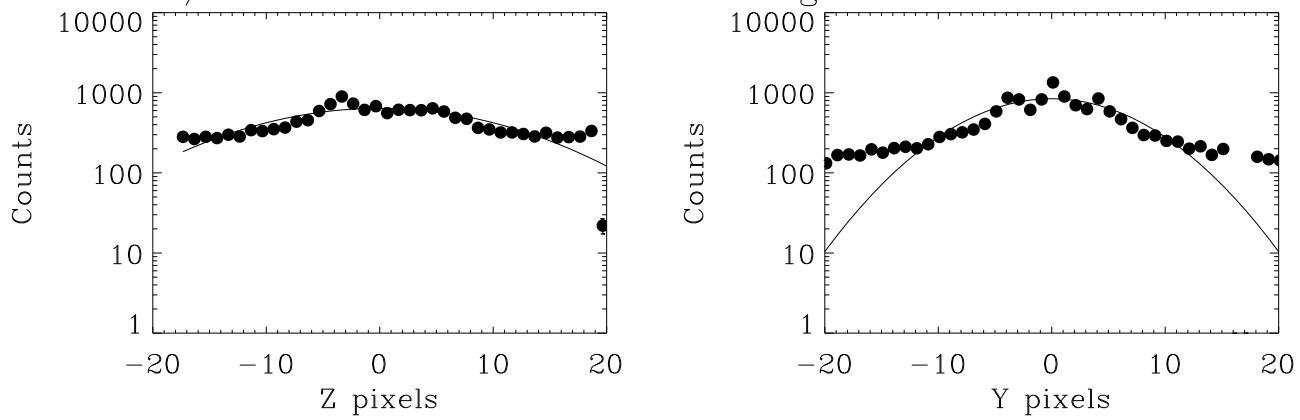
H-IAS-PW-2.046/H-IAS-PW-2.046_02346.fits_img.fits



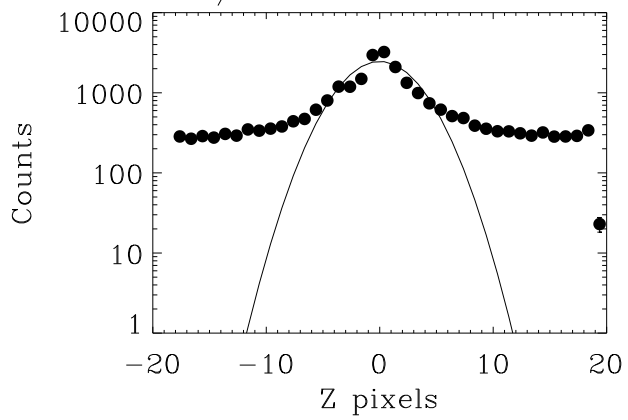
All measurements in pixels

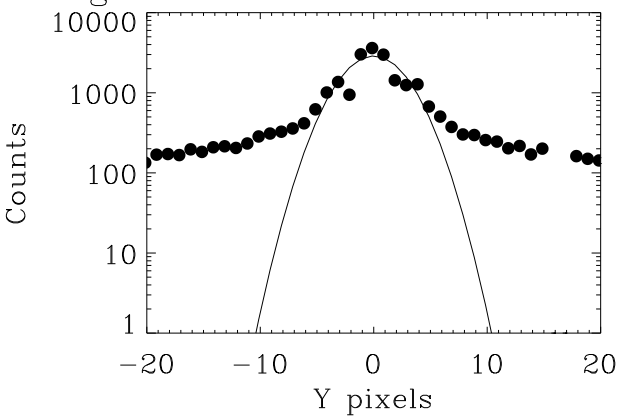
Z gaussian FWHM = 25.841738

Y gaussian FWHM = 15.879632

Z fit parameters:	Amplitude=	640	Offset=	17	Sigma=	10
Y fit parameters:	Amplitude=	843	Offset=	23	Sigma=	6

H-IAS-PW-2.046/H-IAS-PW-2.046_all.fits_img.fits





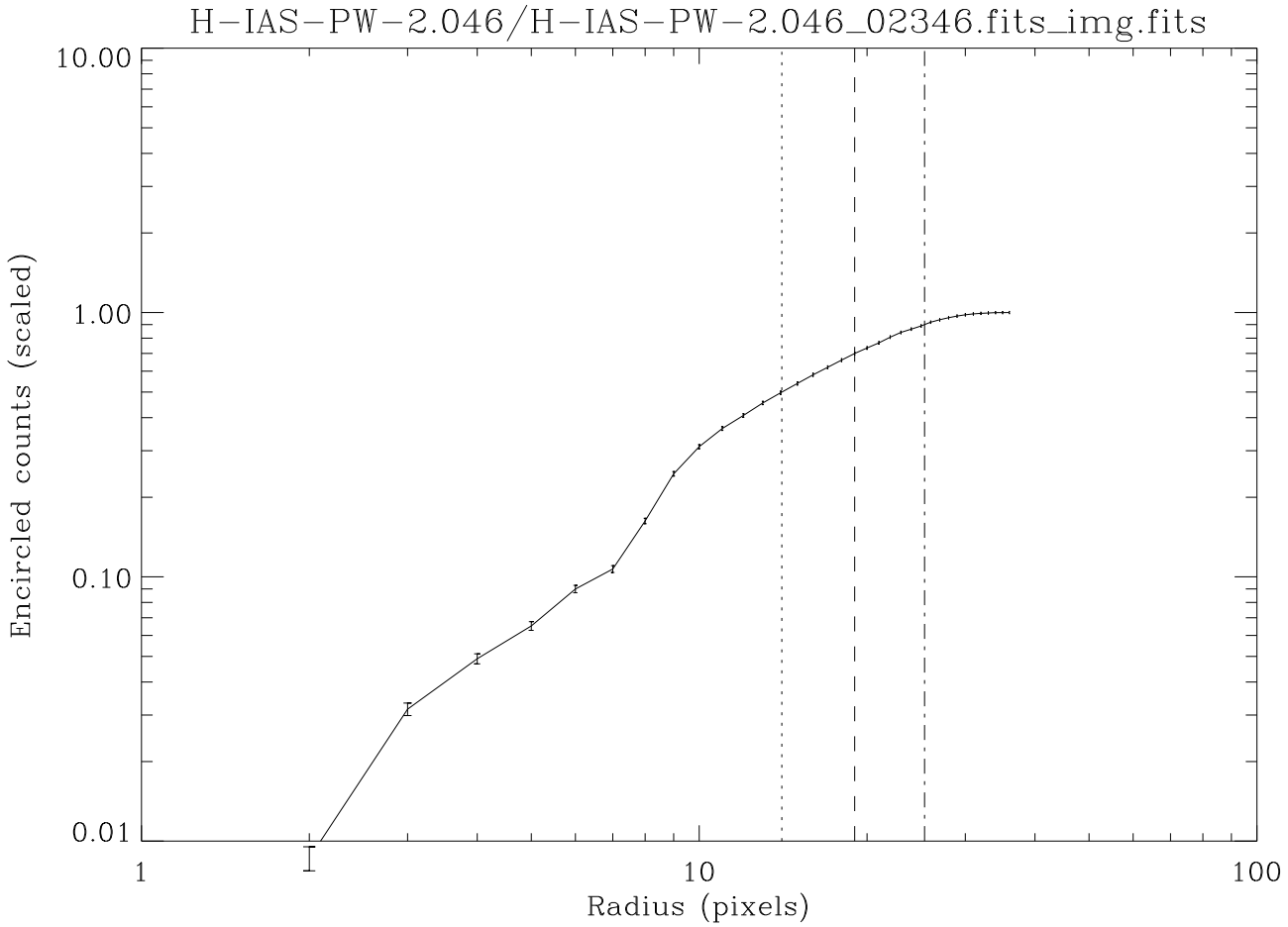
All measurements in pixels

Z gaussian FWHM = 6.9913348

Y gaussian FWHM = 6.1296575

Z fit parameters: Amplitude= 2467 Offset= 17 Sigma= 2

Y fit parameters: Amplitude= 2887 Offset= 24 Sigma= 2



Encircled energy radii in pixels

50% radius = 14.0653

70% radius = 19.0033

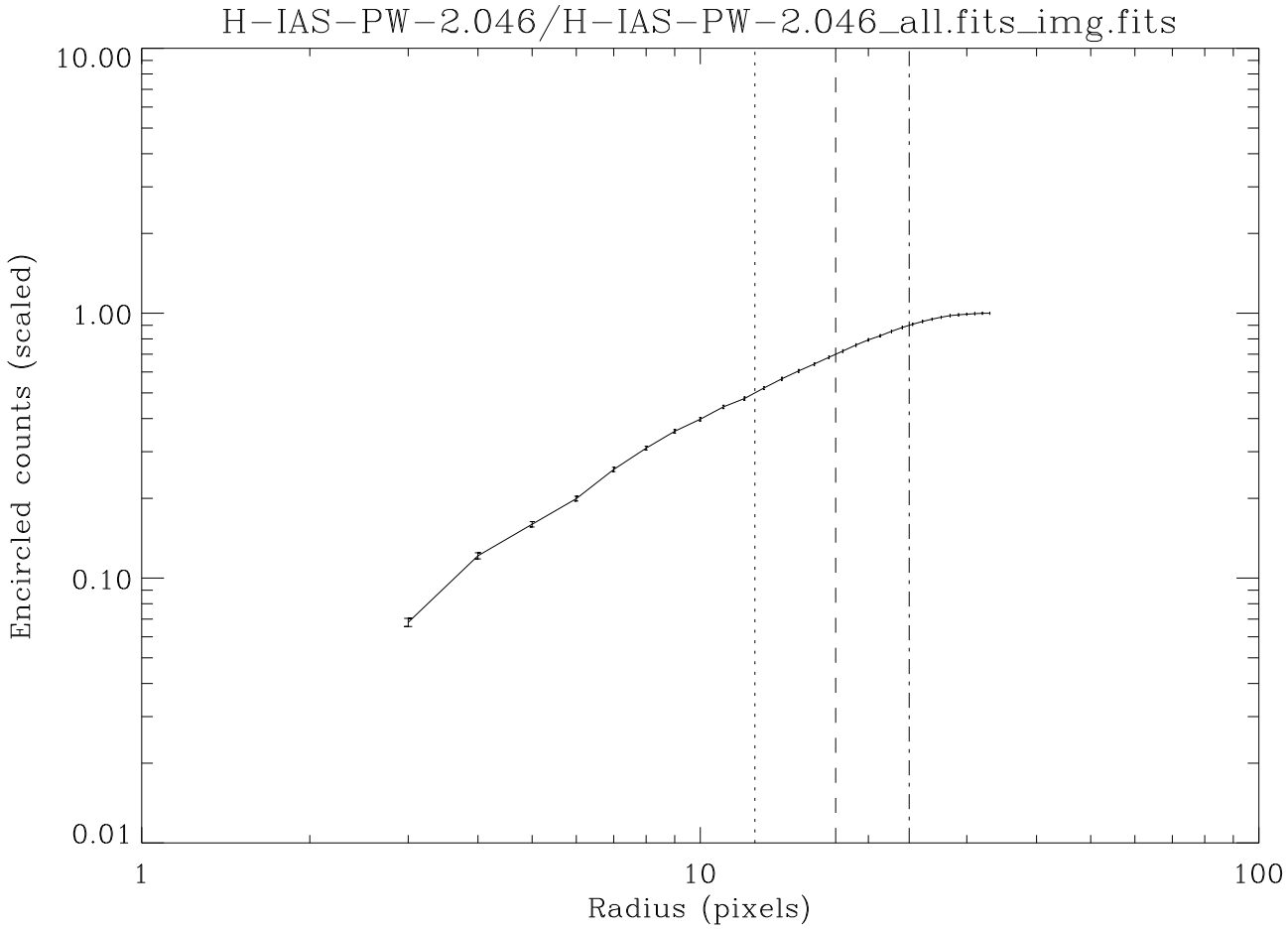
90% radius = 25.3566

Encircled energy radii in microns

50% radius = 337.568

70% radius = 456.079

90% radius = 608.558



Encircled energy radii in pixels

50% radius = 12.5246

70% radius = 17.4777

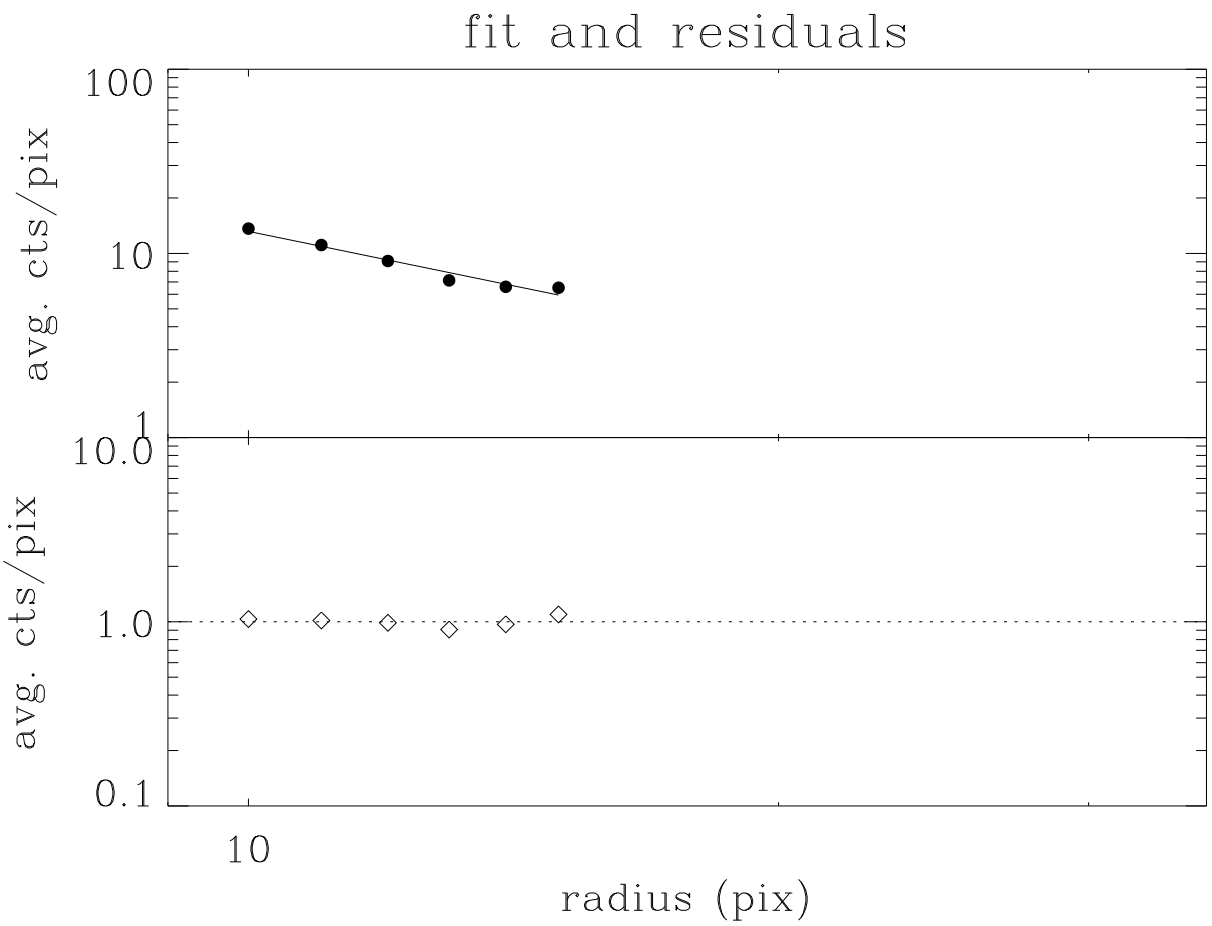
90% radius = 23.6612

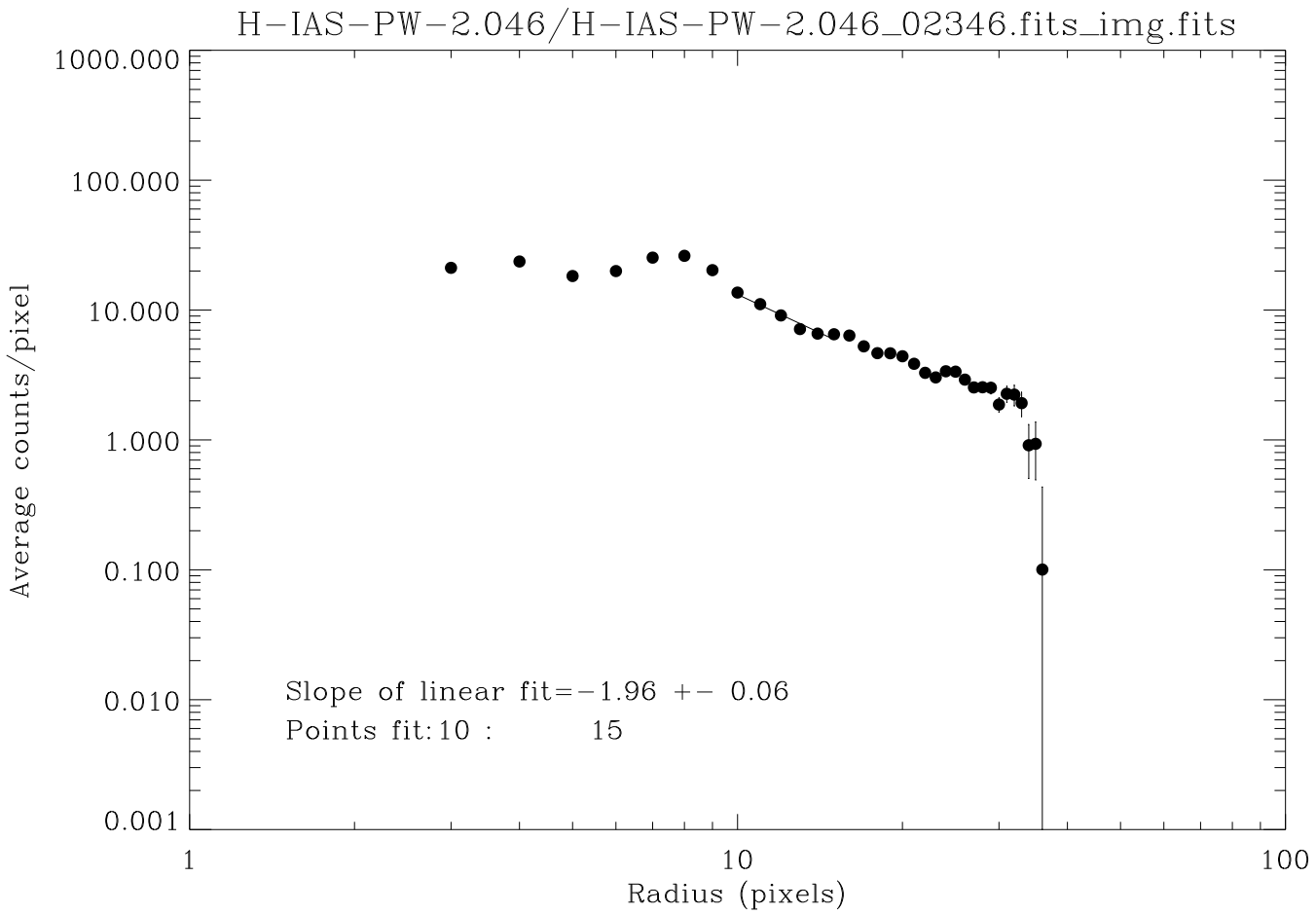
Encircled energy radii in microns

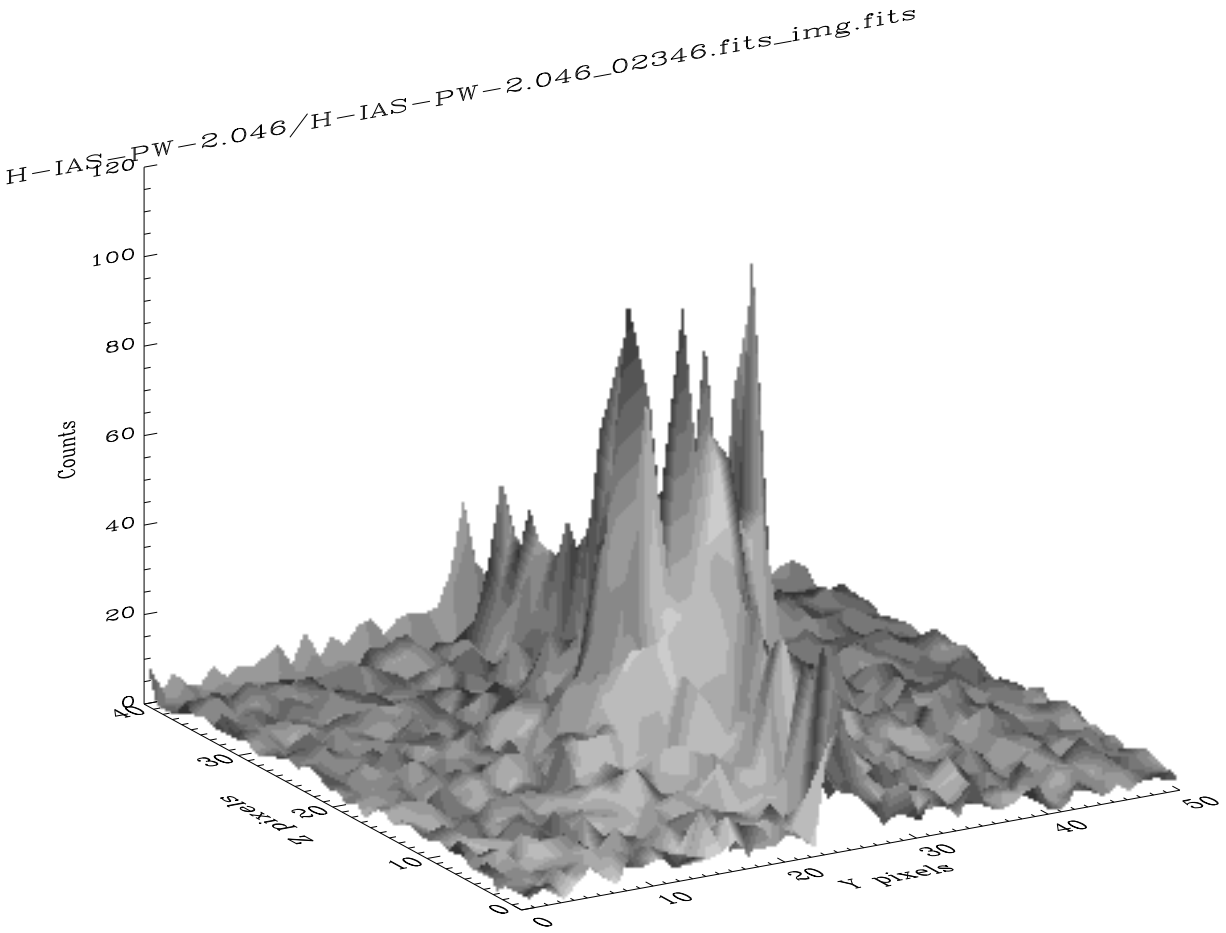
50% radius = 300.591

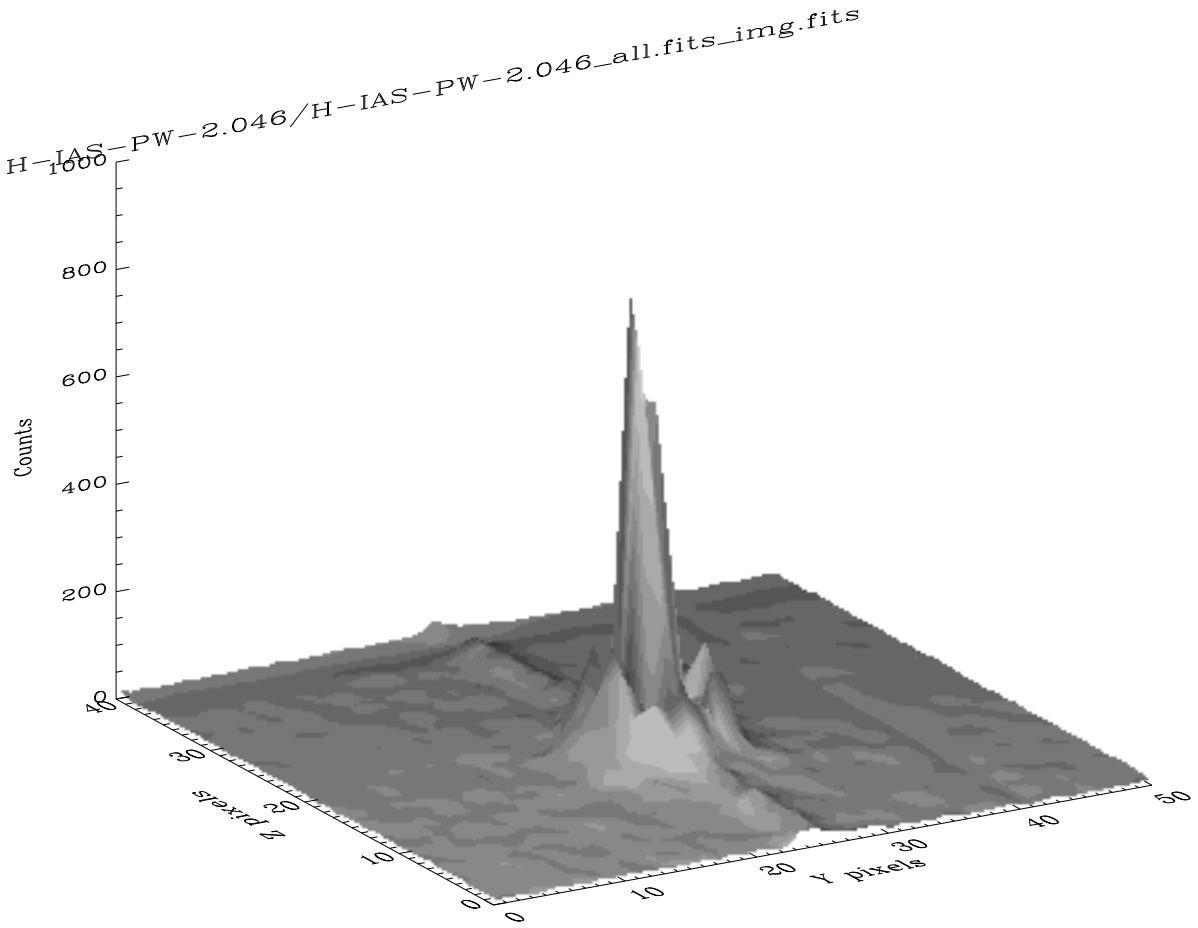
70% radius = 419.465

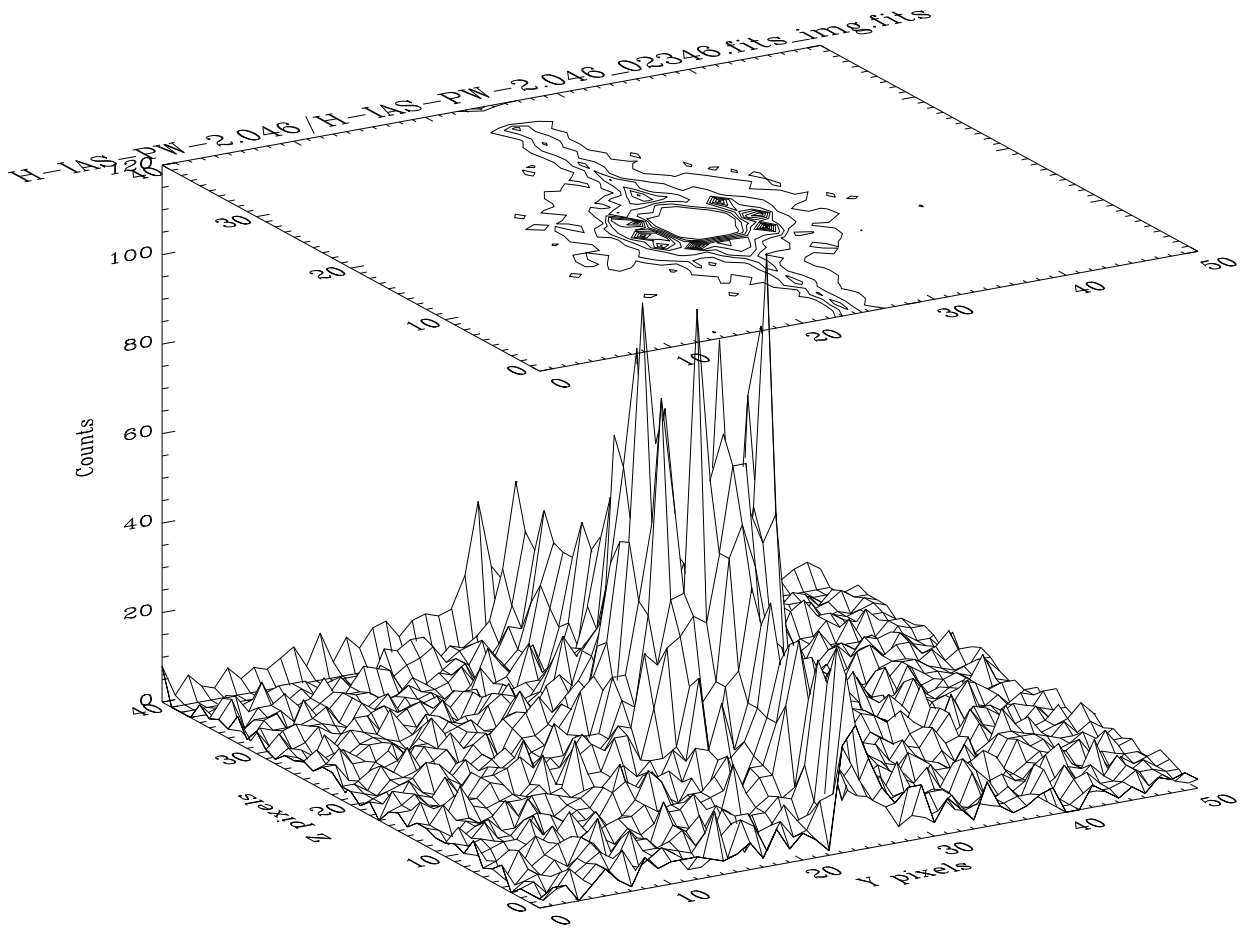
90% radius = 567.868

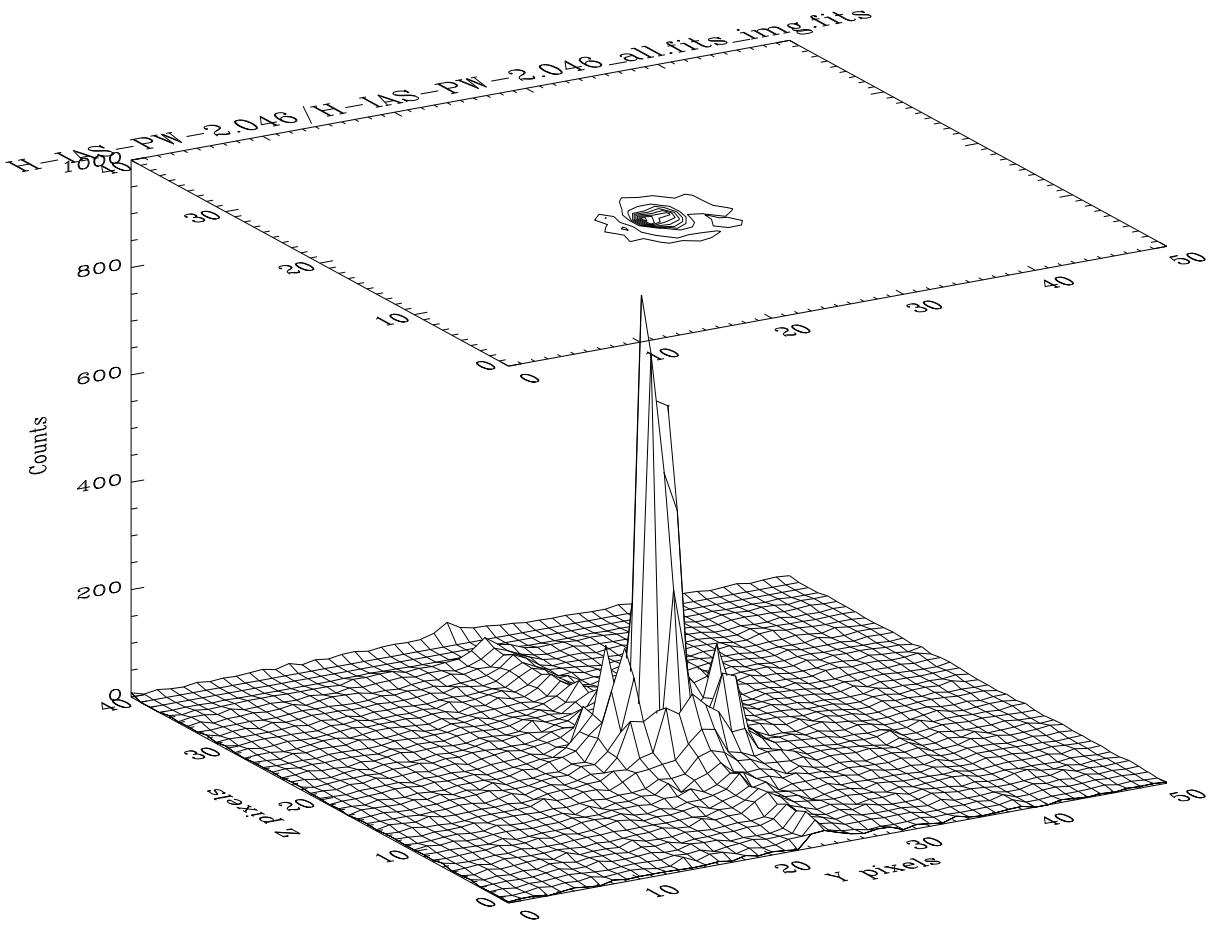

fit and residuals
100
10
1
avg. cts/pix
10.0
1.0
0.1
avg. cts/pix
10
radius (pix)

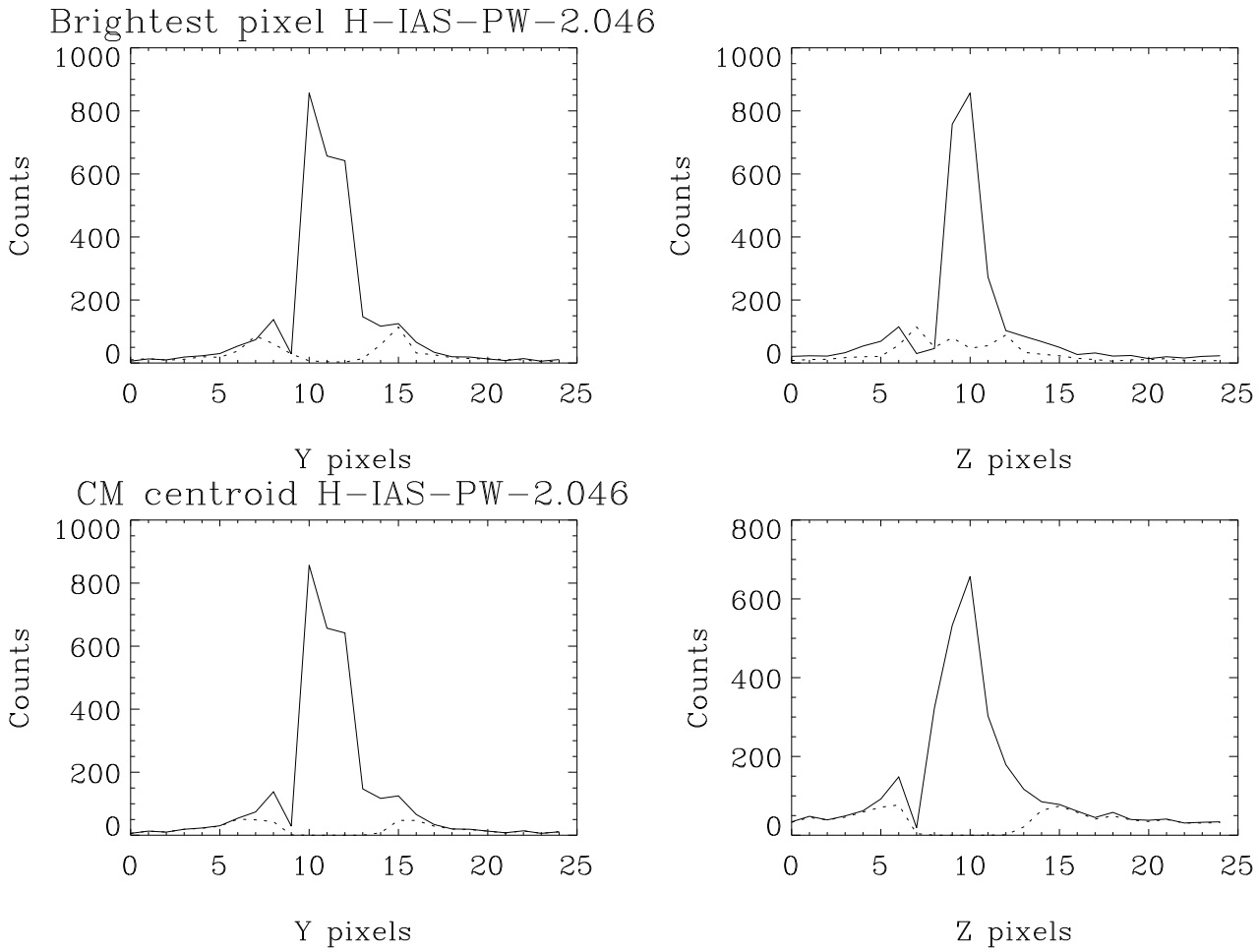

H−IAS−PW−2.046/H−IAS−PW−2.046_02346.fits_img.fits
1000.000
100.000
10.000
1.000
0.100
0.010
0.001
Average counts/pixel
Slope of linear fit=−1.96 +− 0.06
Points fit:10 : 15
1
10
100
Radius (pixels)


H-IAS-PW-2.046/H-IAS-PW-2.046_02346.fits_img.fits
Counts
120
100
80
60
40
20
0
X pixels
40
30
20
10
0
Y pixels
0
10
20
30
40
50


H-IAS-PW-2.046/H-IAS-PW-2.046_all.fits_img.fits
Counts
1000
800
600
400
200
0
X pixels
40
30
20
10
0
Y pixels
0
10
20
30
40
50


H_IAS_PW_2.046/H_IAS_PW_2.046_02348.fits_img.fits
Counts
X pixels
Y pixels
0
20
40
60
80
100
120
0
10
20
30
40
50


H-1AS-PW-2.046/H-1AS-PW-2.046_all.fits_img.fits
Counts
X pixels
Y pixels
0
200
400
600
800
1000
10
20
30
40
50



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

Brightest pixel (Y,Z)

All grades	10	10
Std. grades	15	7

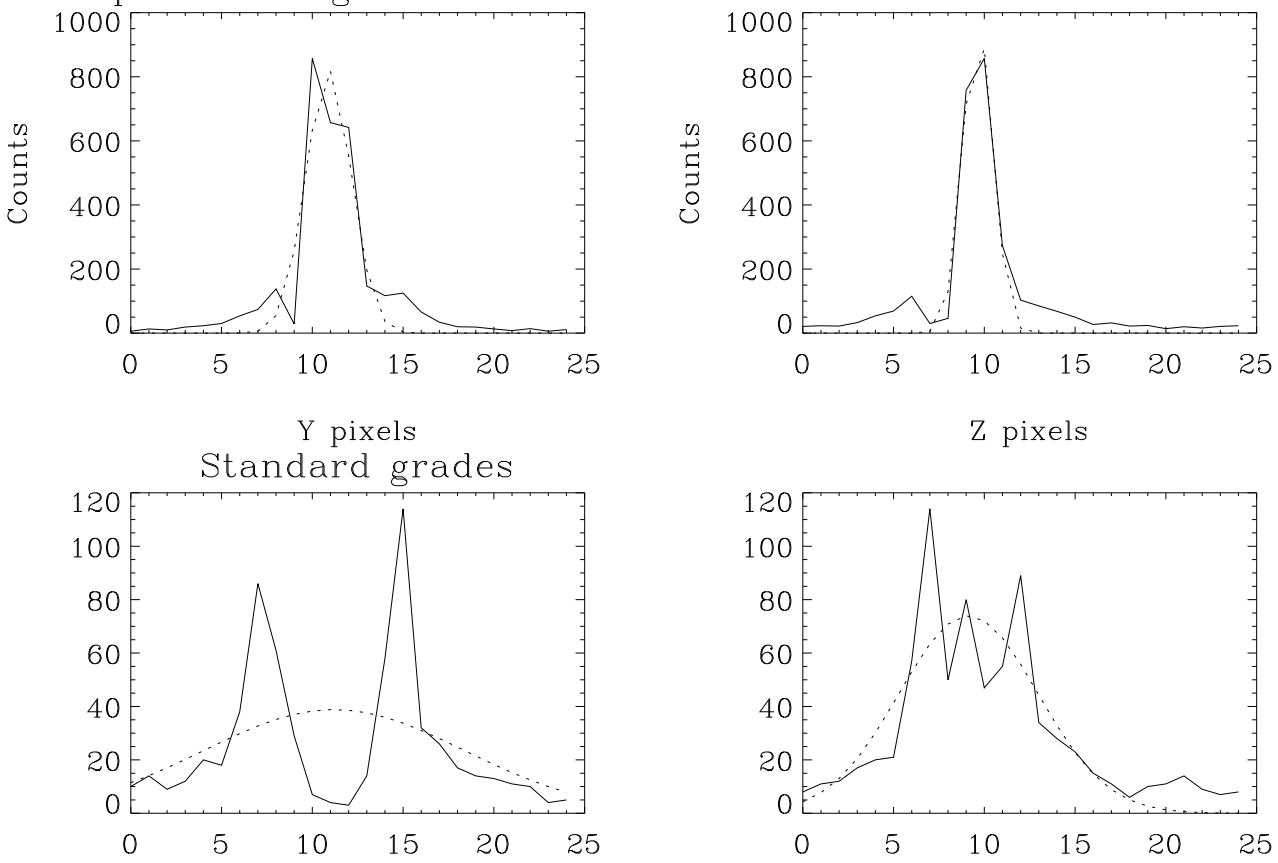
CM Centroid (Y,Z)

All grades	11.3205	10.2739
Std. grades	11.3674	10.7211

Brightest pixel maxima

All grades:	857.000
Std. grades:	114.000

Brightest pixel – All grades H–IAS–PW–2.046



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

	Integrated	Analytical
All Y	2556.0338	2557.7692
Std Y	630.37985	697.43423
All Z	1941.5558	2001.8030
Std Z	703.30242	709.35825

	amplitude	offset	sigma	FWHM
All Y:	820.32153	10.896640	1.2439053	2.9281532
Std Y:	38.815685	11.203837	7.1681333	16.873786
All Z:	975.50018	9.6449858	0.81866091	1.9271278
Std Z:	74.017852	9.1272335	3.8233073	9.0000658