

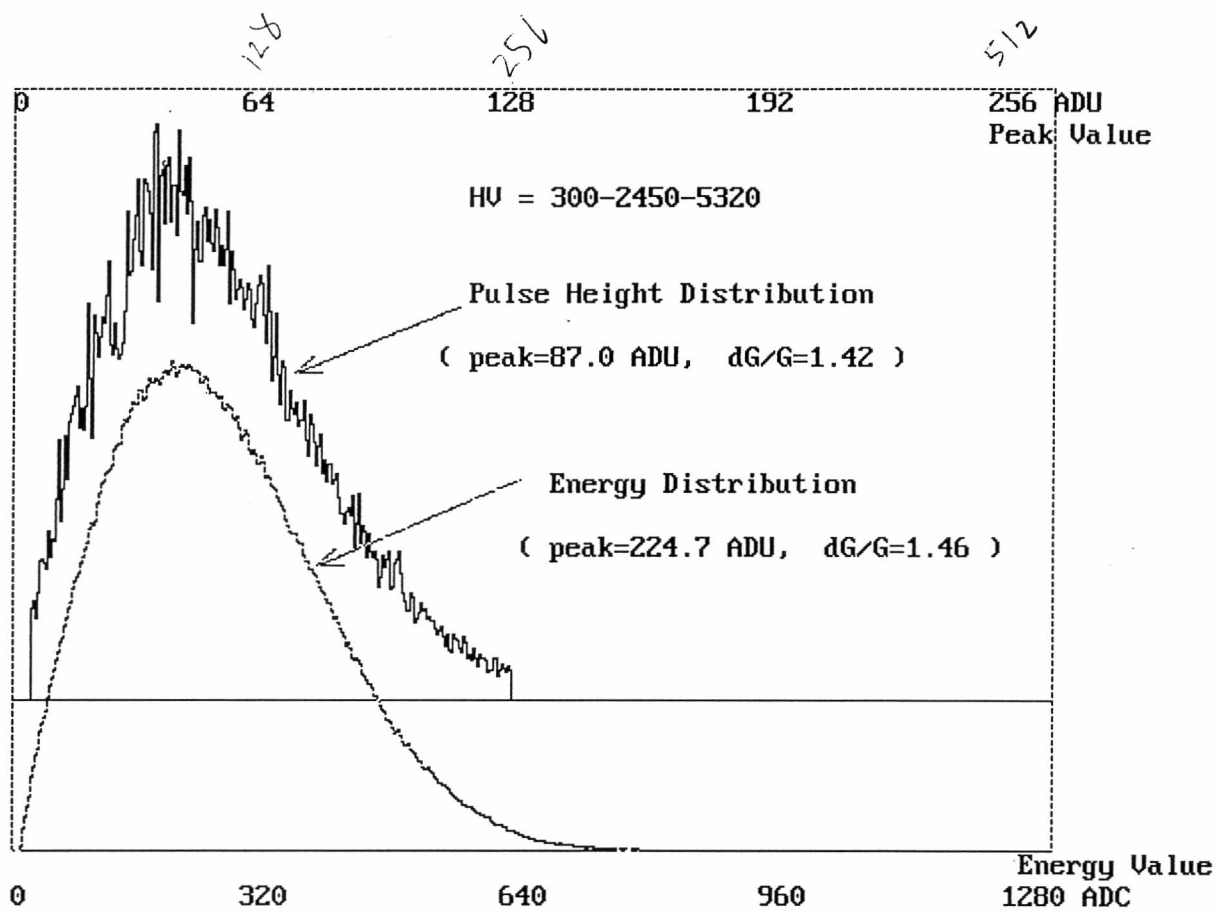


Fig. 1 PHD and Energy distribution from whole detector area 17 June 1997

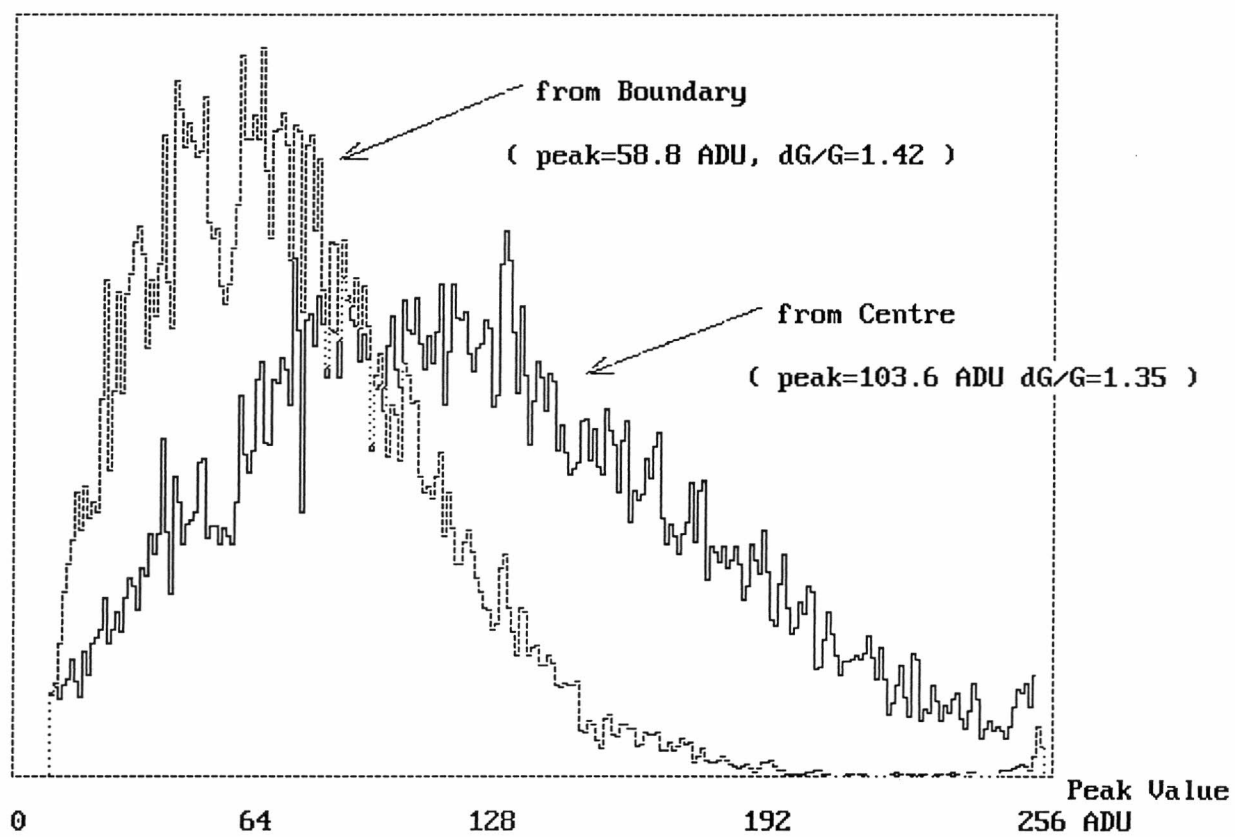


Fig. 2 PHDs from centre and boundary of the detector 17 June 1997

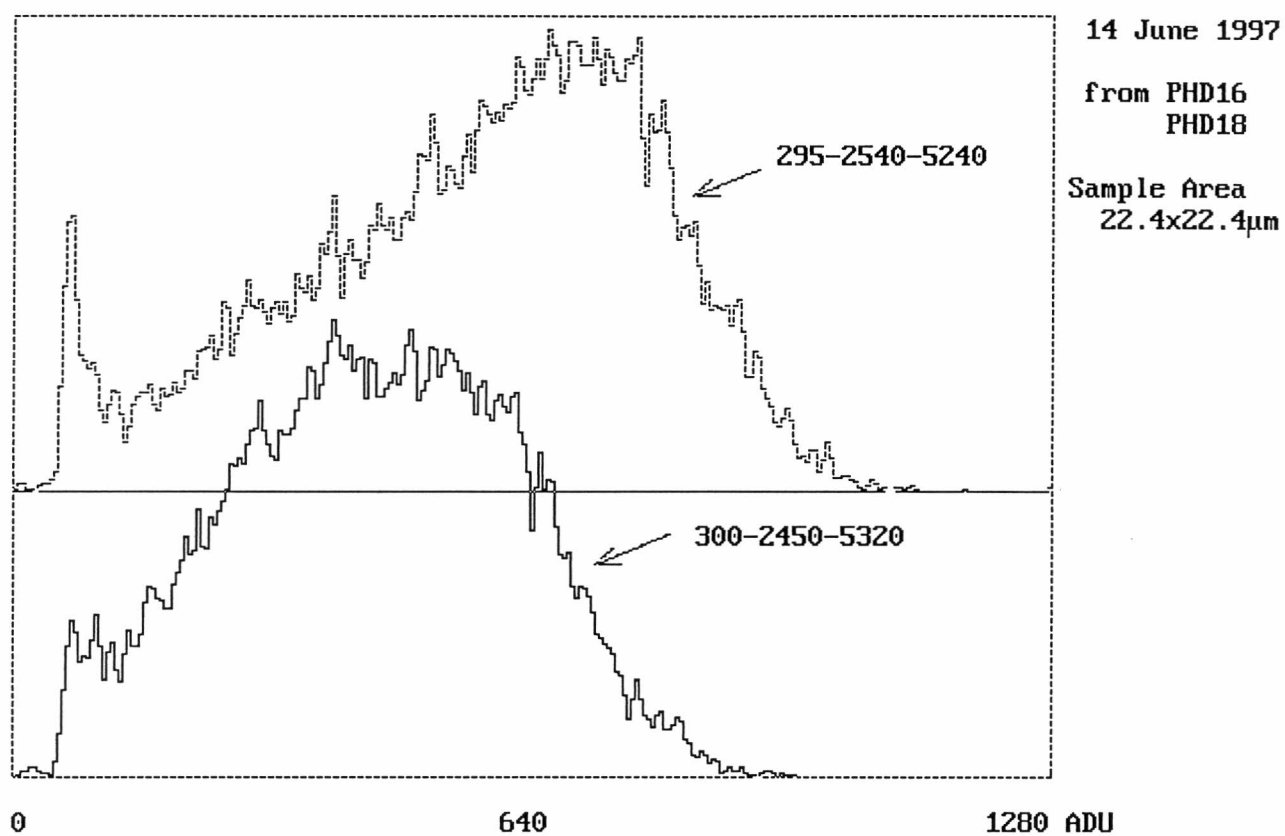


Fig. 3 PHD from nucleus part of events with x3 magnification optics

14 July 1997

Sample Area
82 x 82 μm

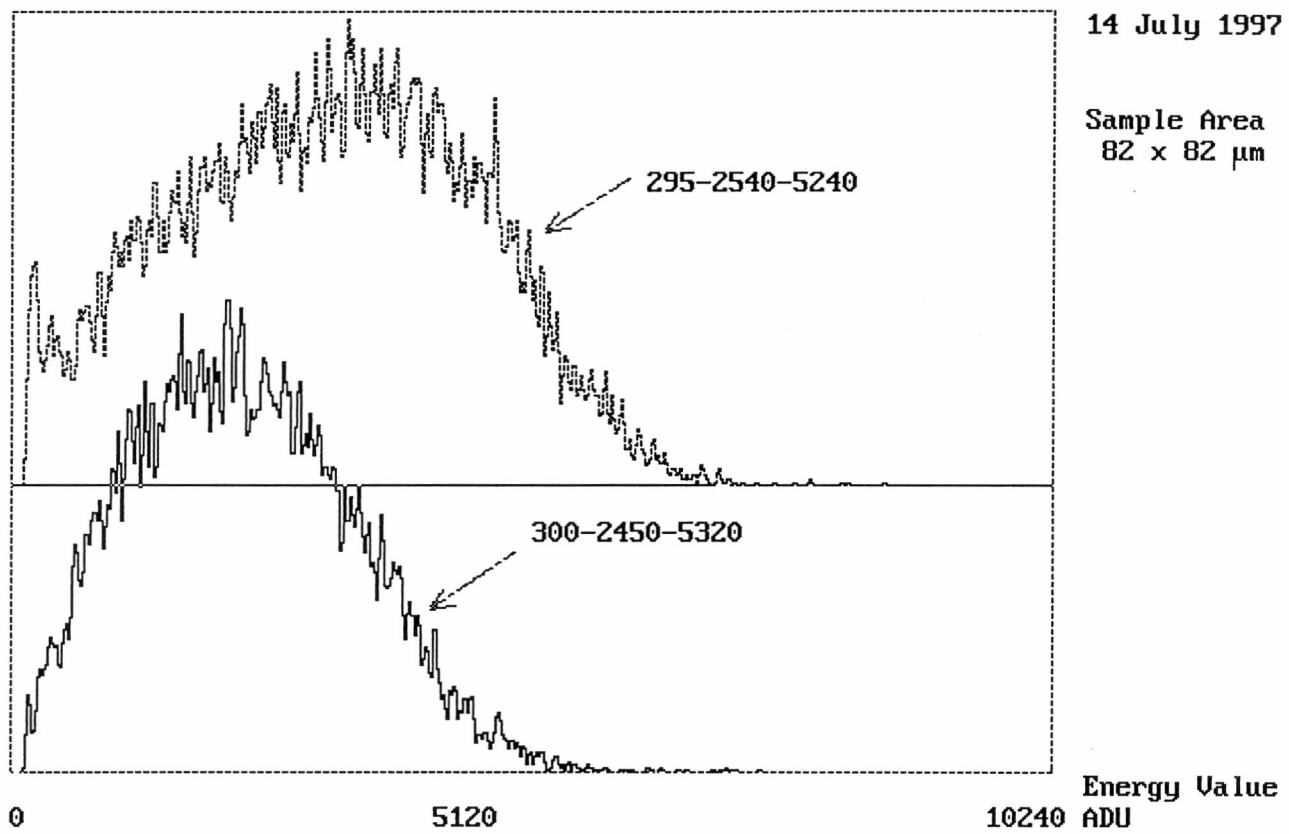
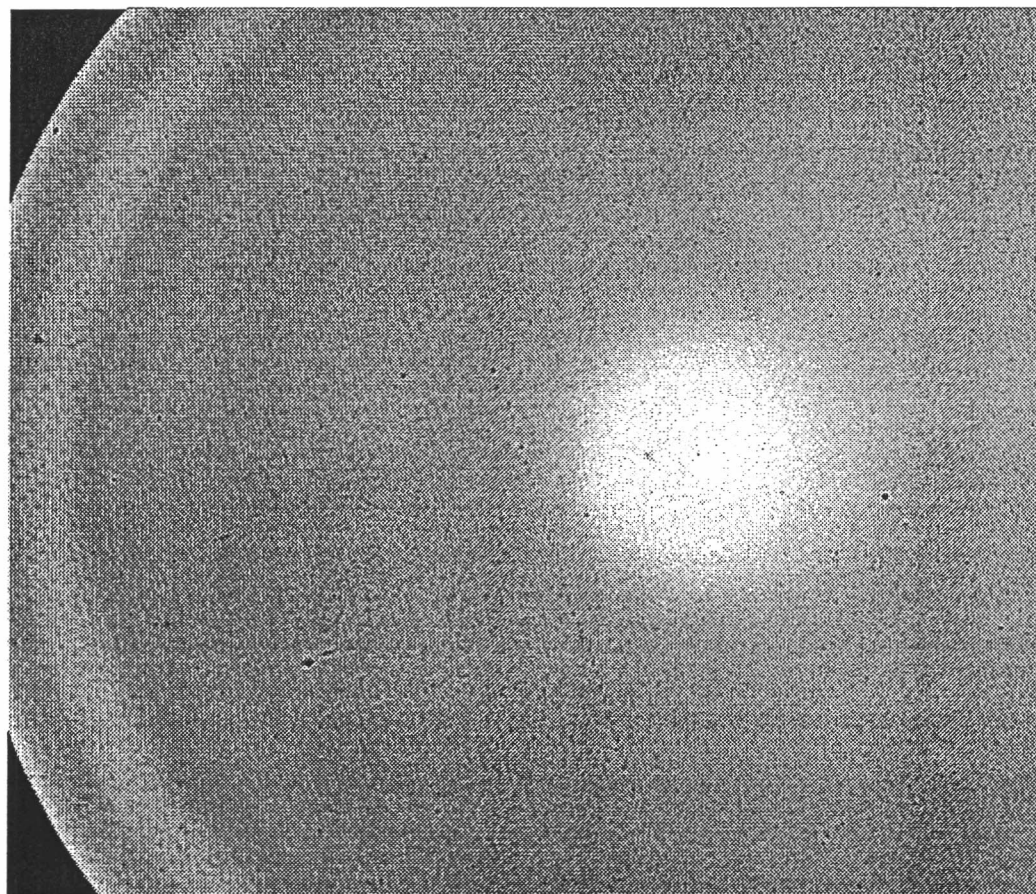


Fig. 4 Energy distributions with x3 magnification optics

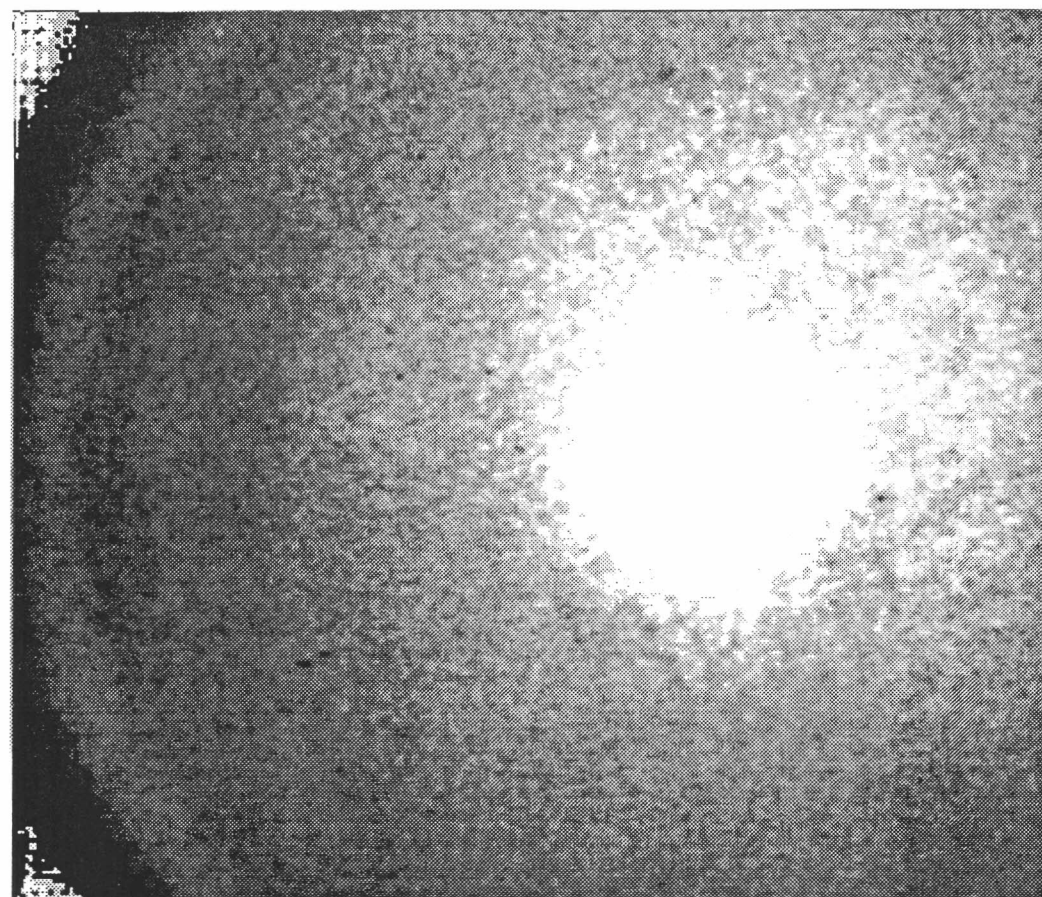


20H 02M 00S
18 June 1997
to
11H 02M 00S
19 June 1997

2048 pixel

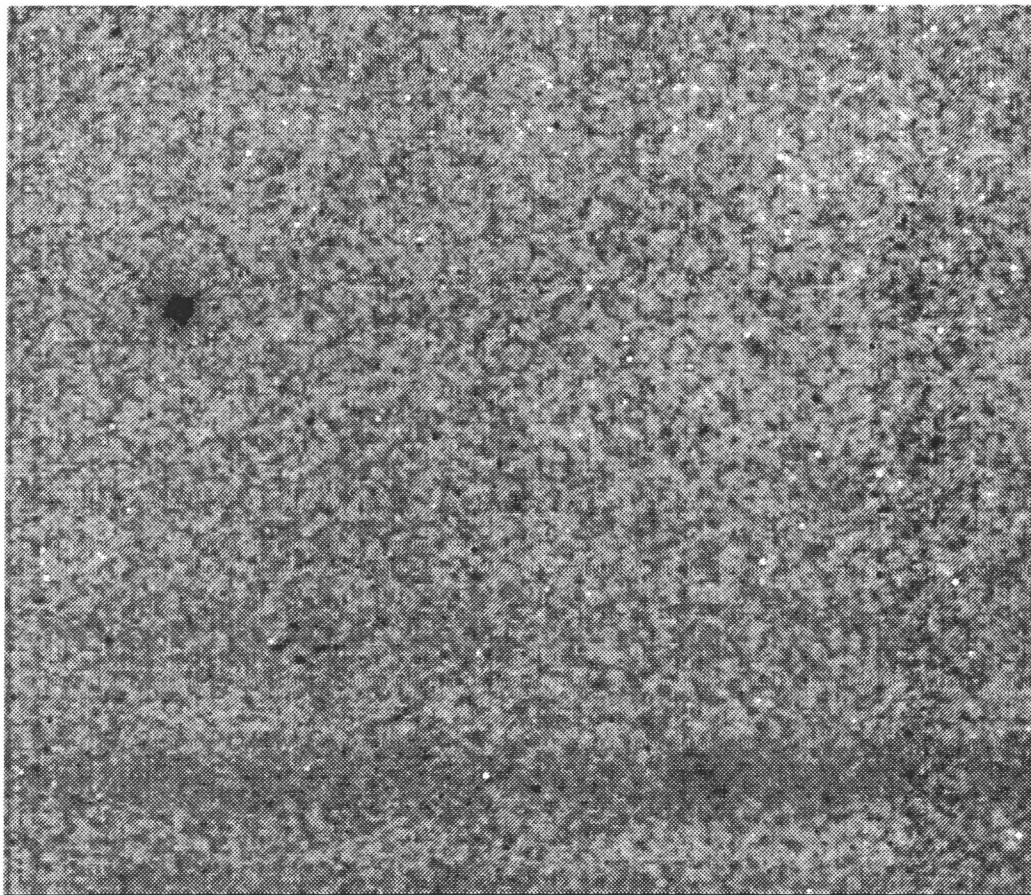
Fig. 5 F-F in photon counting mode. Exp=15hr Illuminaton=11kHz/(full area)

18H 35M 41S
18 June 1997



256 CCD pixel

Fig. 6 F-F in analog mode 10000 frames added illumination = 100kHz



21H 02M 00S
15 July 1997
to
07H 02M 00S
16 July 1997

1 CCD pixel
= 70.84 μ m

7.8 μ m

256 CCD pixel
Fig. 7 F-F in analog mode with x3 magnification optics. 655360 frames added

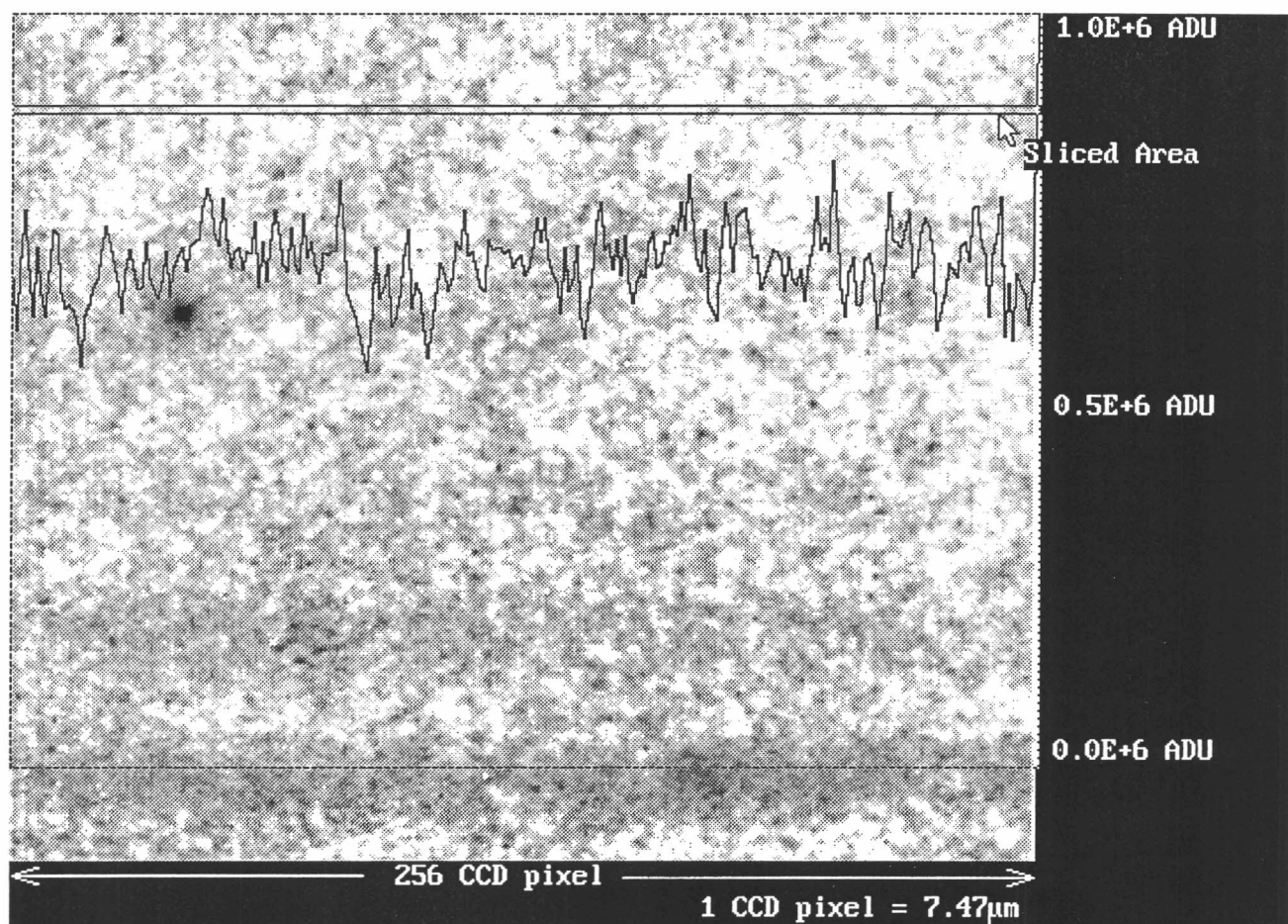
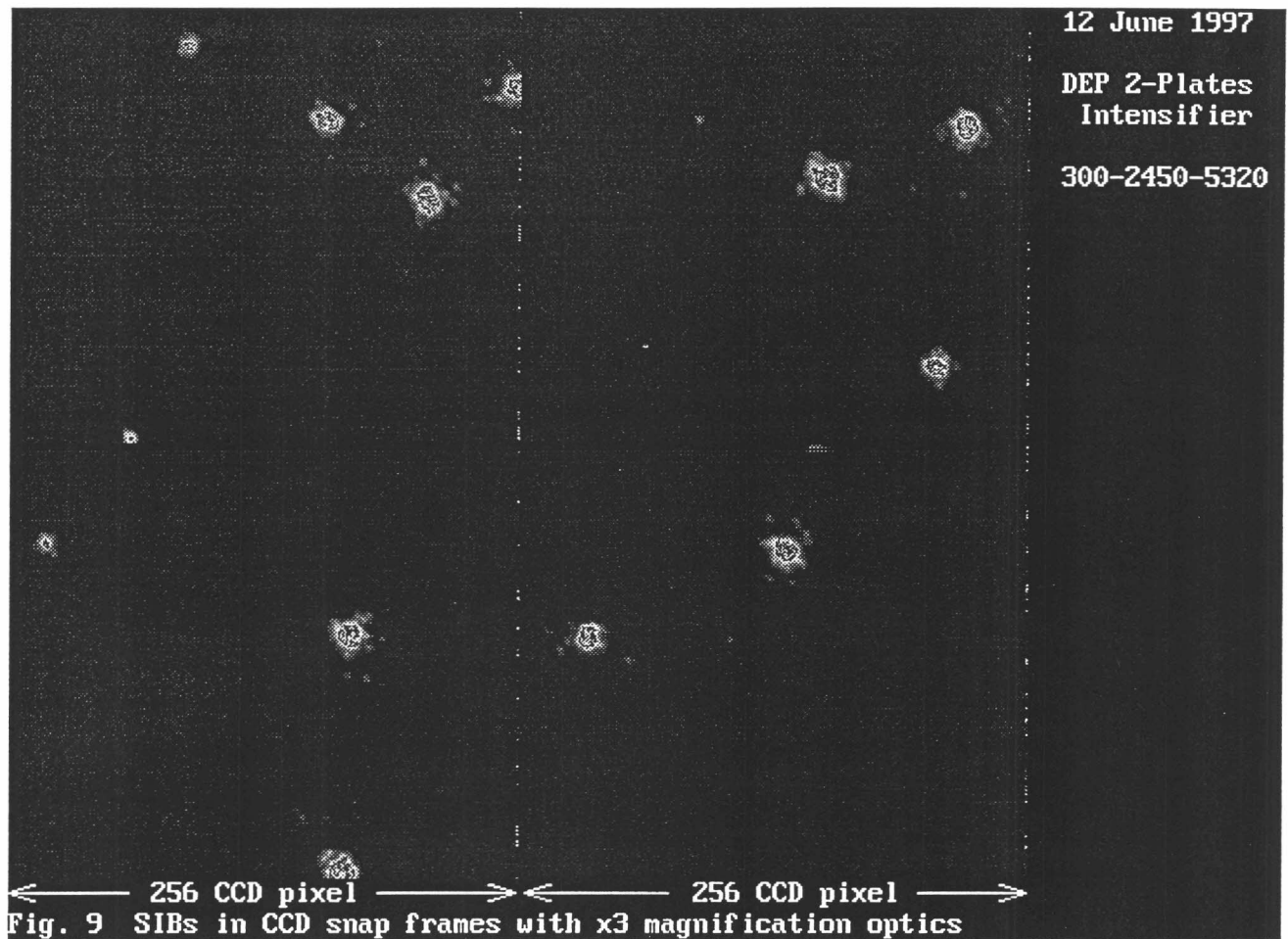


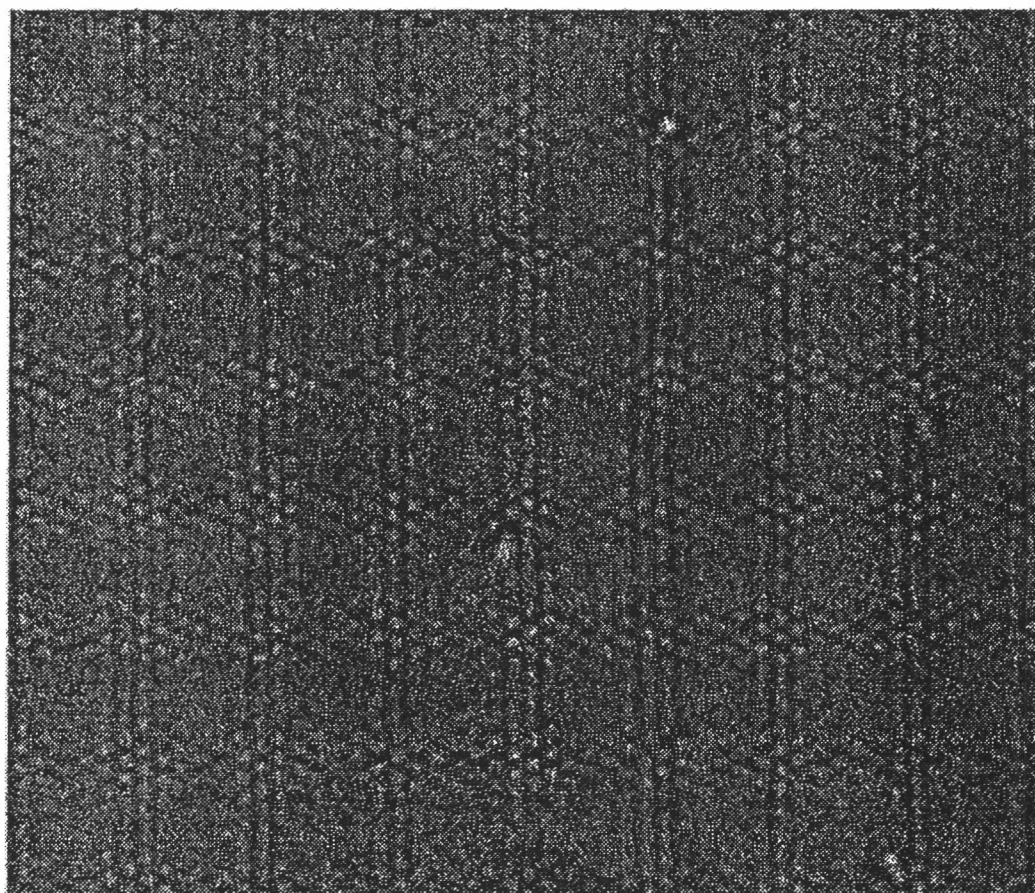
Fig. 8 Profile of F-F in analog mode with x3 magnification optics

12 June 1997

DEP 2-Plates
Intensifier

300-2450-5320





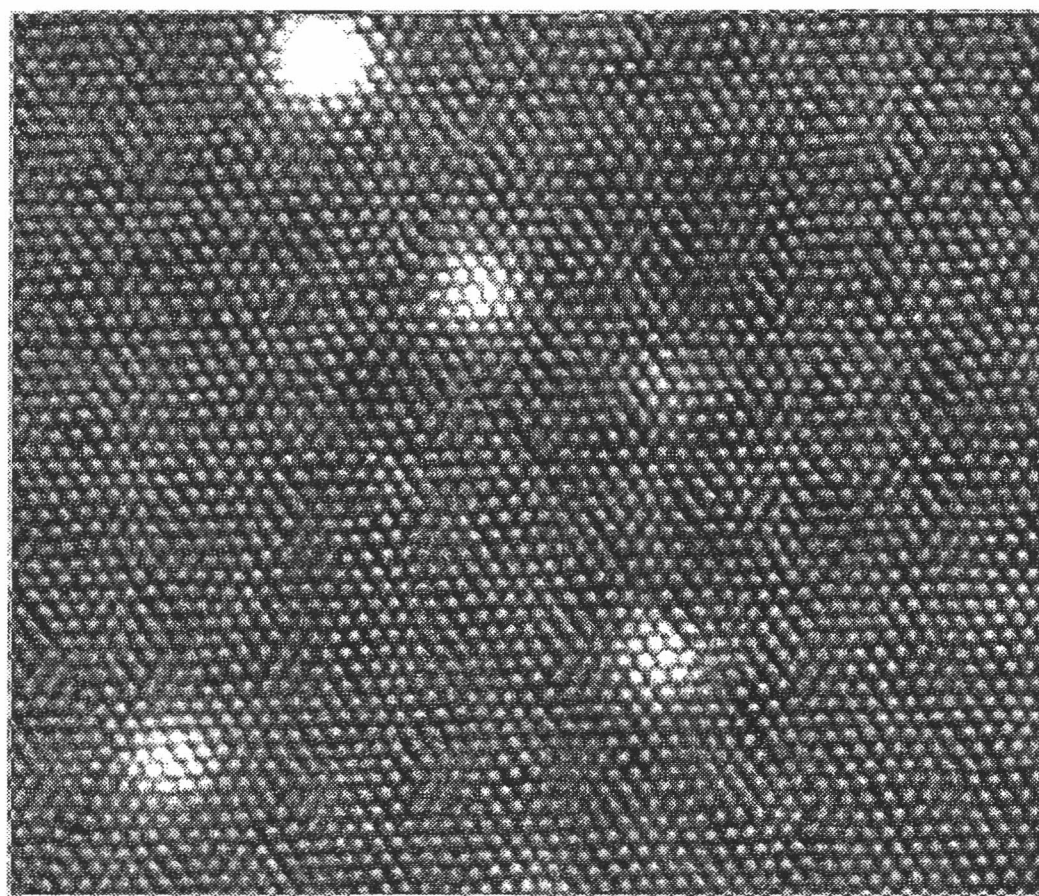
8 July 1997
to
11 July 1997

DEP 2-Plate
Intensifier

10 on 12 μm

8 CCD pixel (567 μm)

Fig. 10a F-F image by 64 subpixel centroiding 5.9 millions frames processed

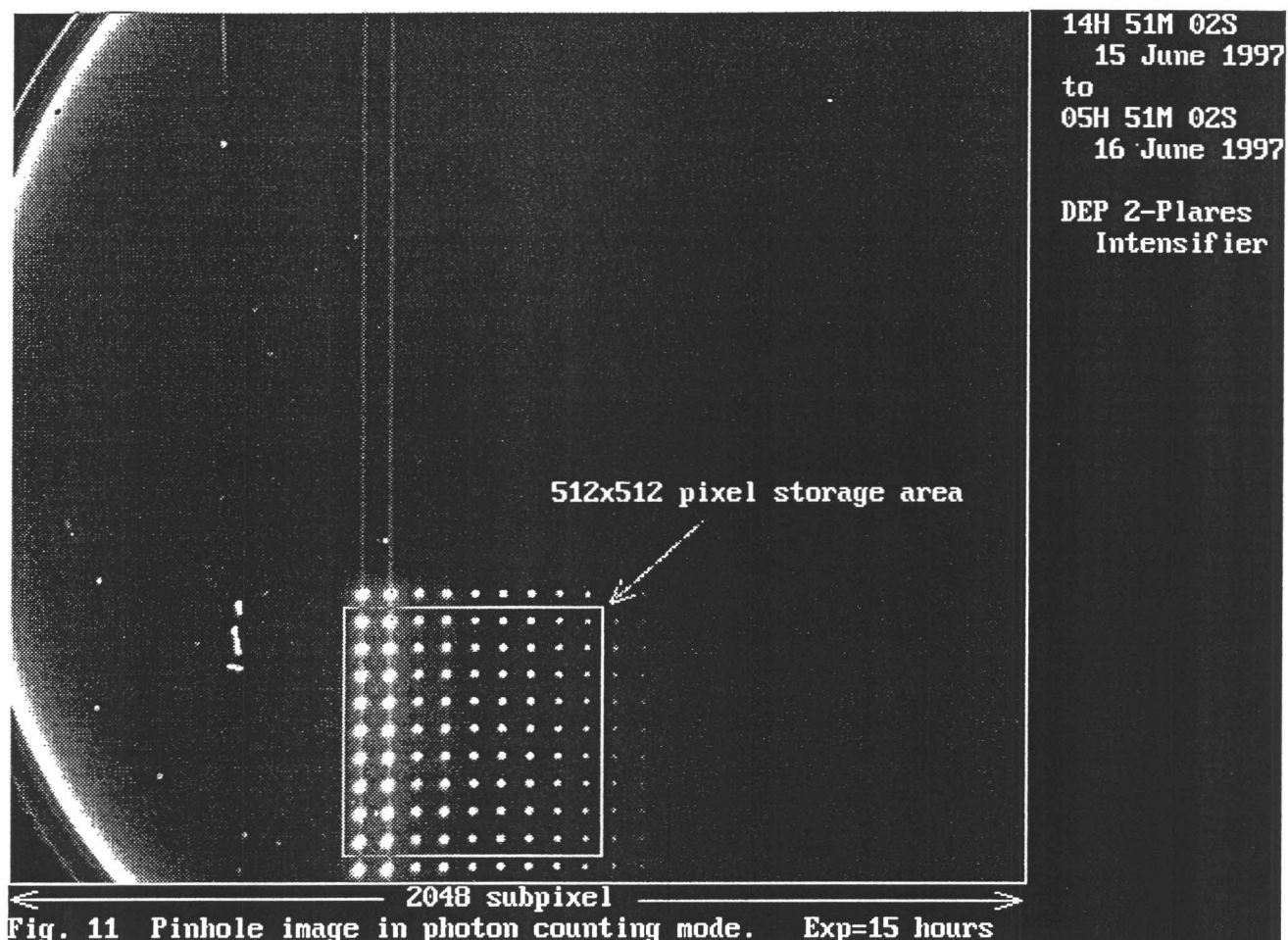


DEP Straight
Tube

8 on 10um
1st plate

8 CCD pixels (560um)

Fig. 10b Sky image by 64-subpixel centroiding. 43,833,000 Frs are processed.



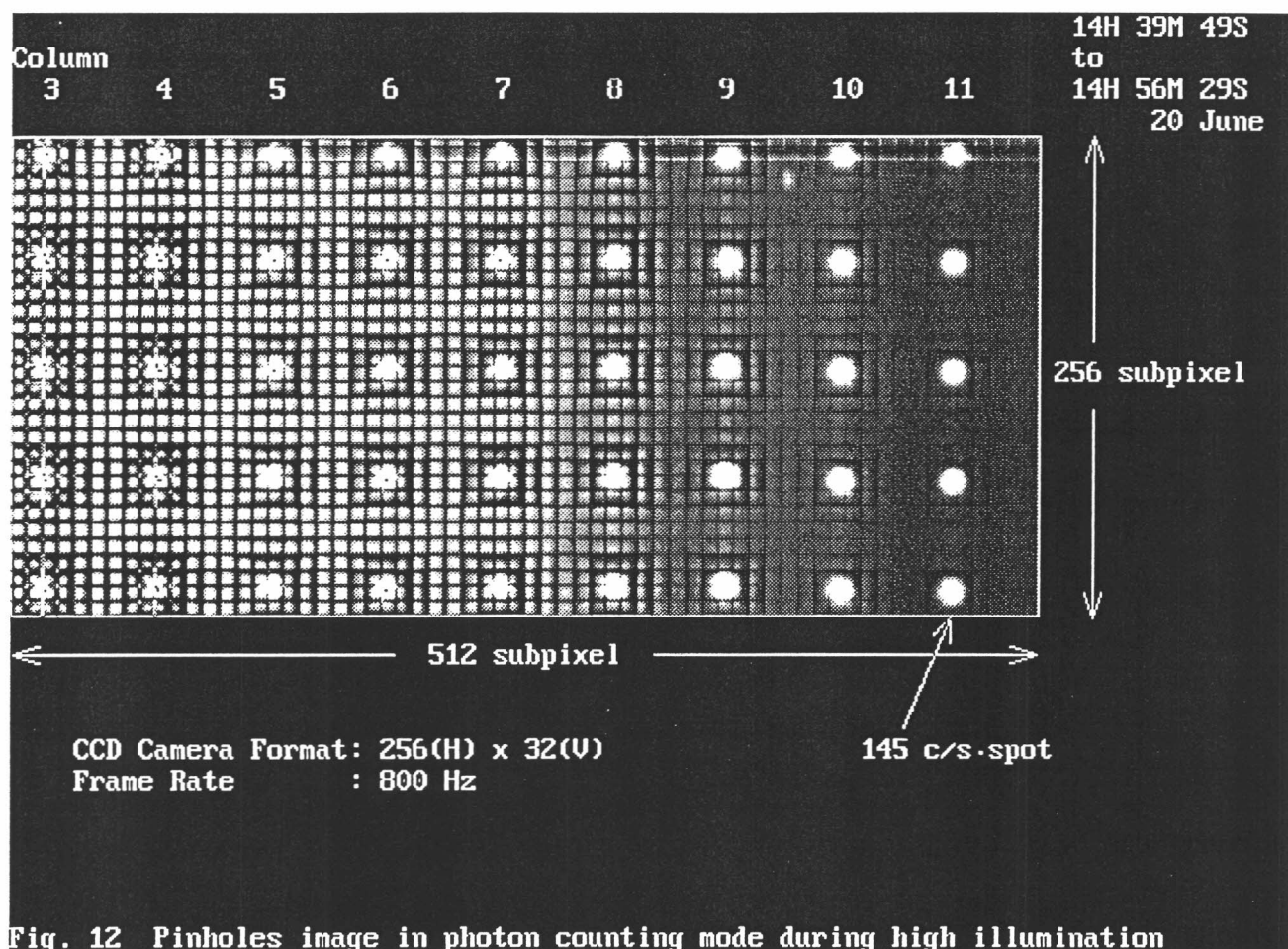


Fig. 12 Pinholes image in photon counting mode during high illumination

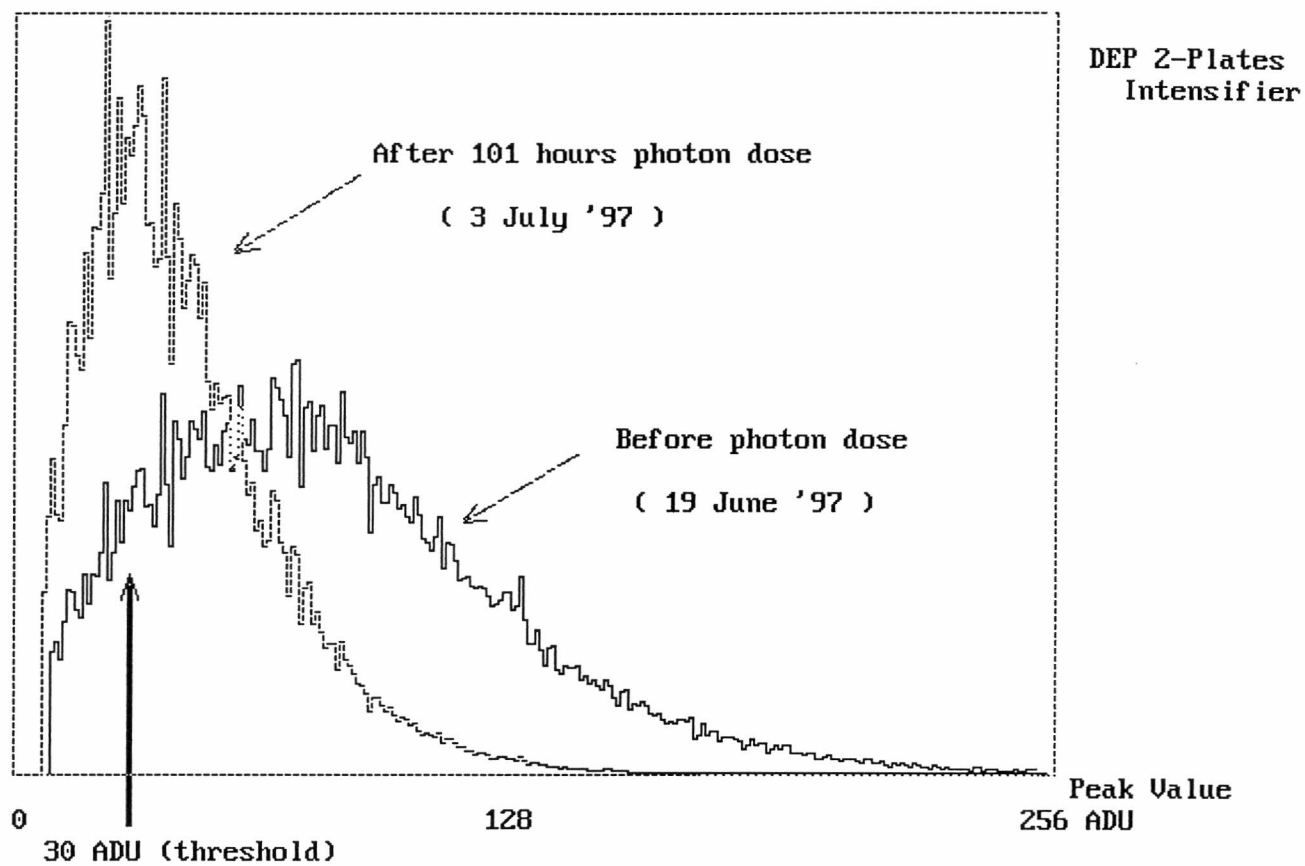


Fig. 13a PHDs from 160,000 c/s pinholes

19 June and 3 July 1997

DEP 2-Plate
Intensifier

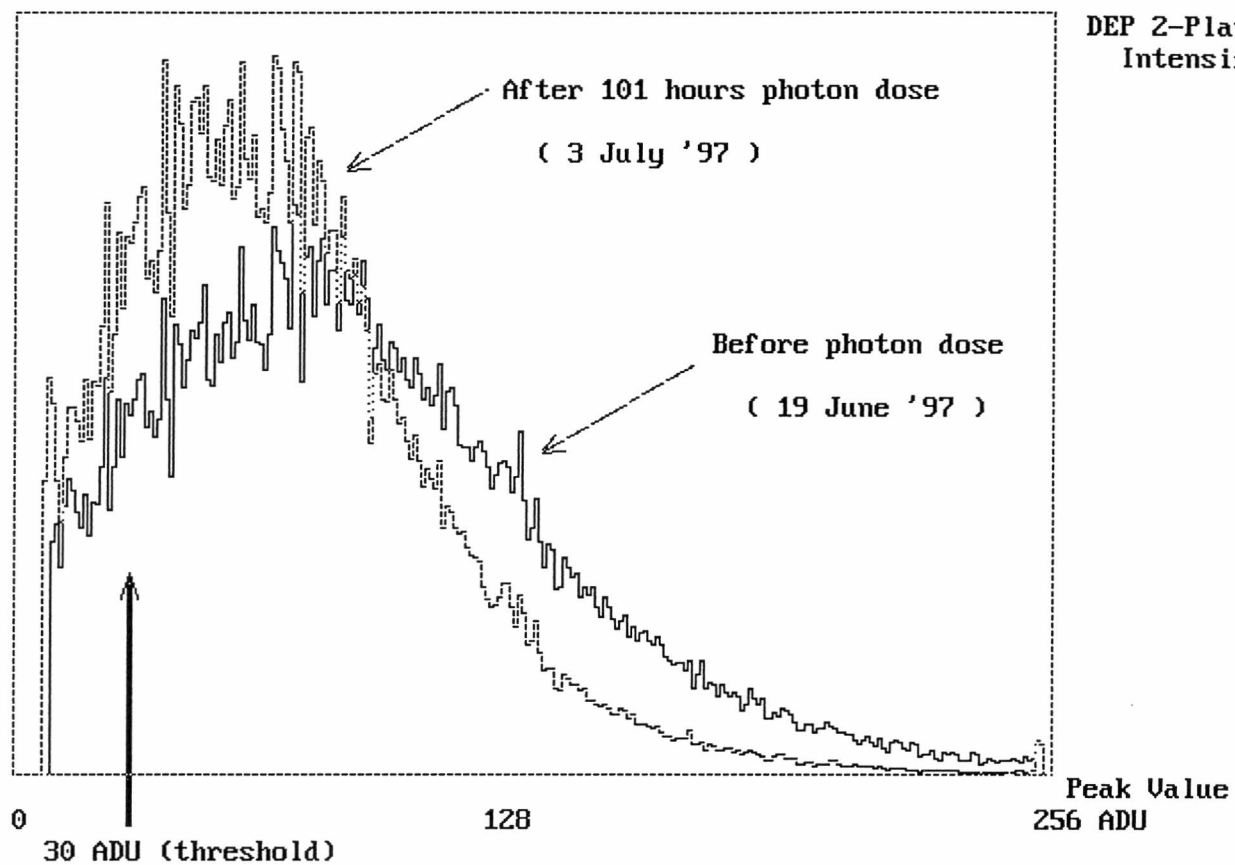
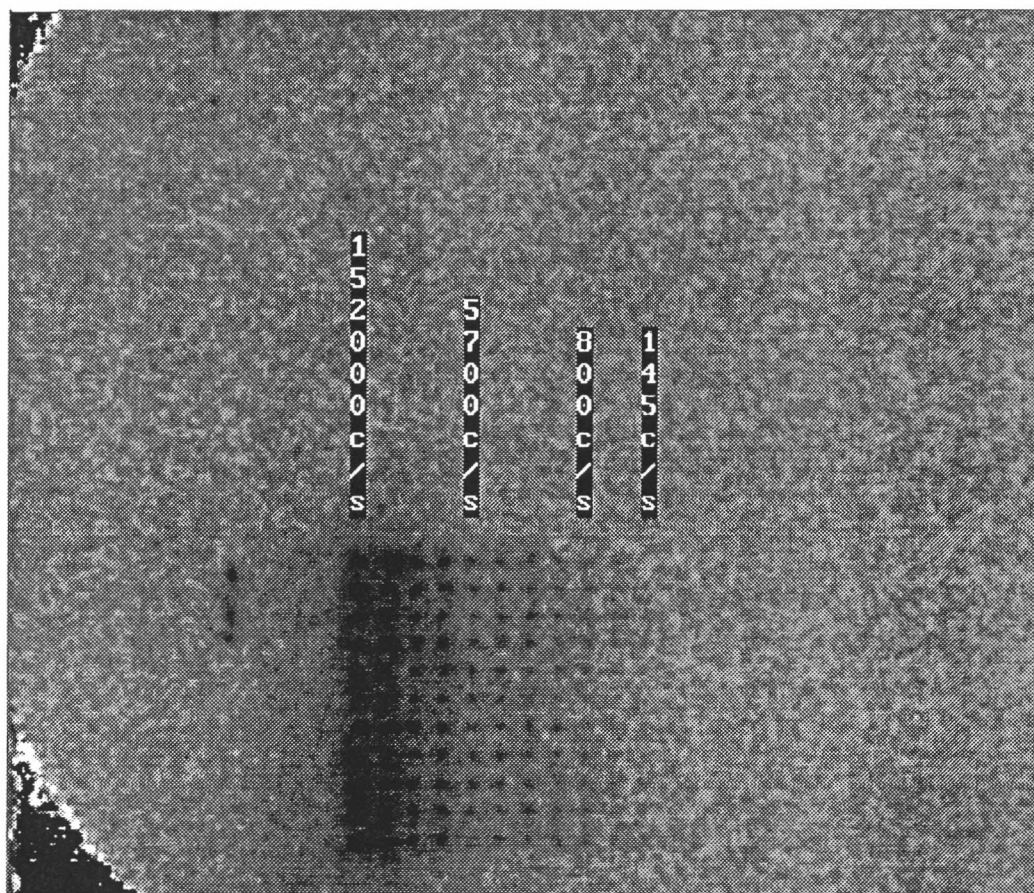


Fig. 13b PHDs from 5,000 c/s pinholes

19 June and 3 July 1997

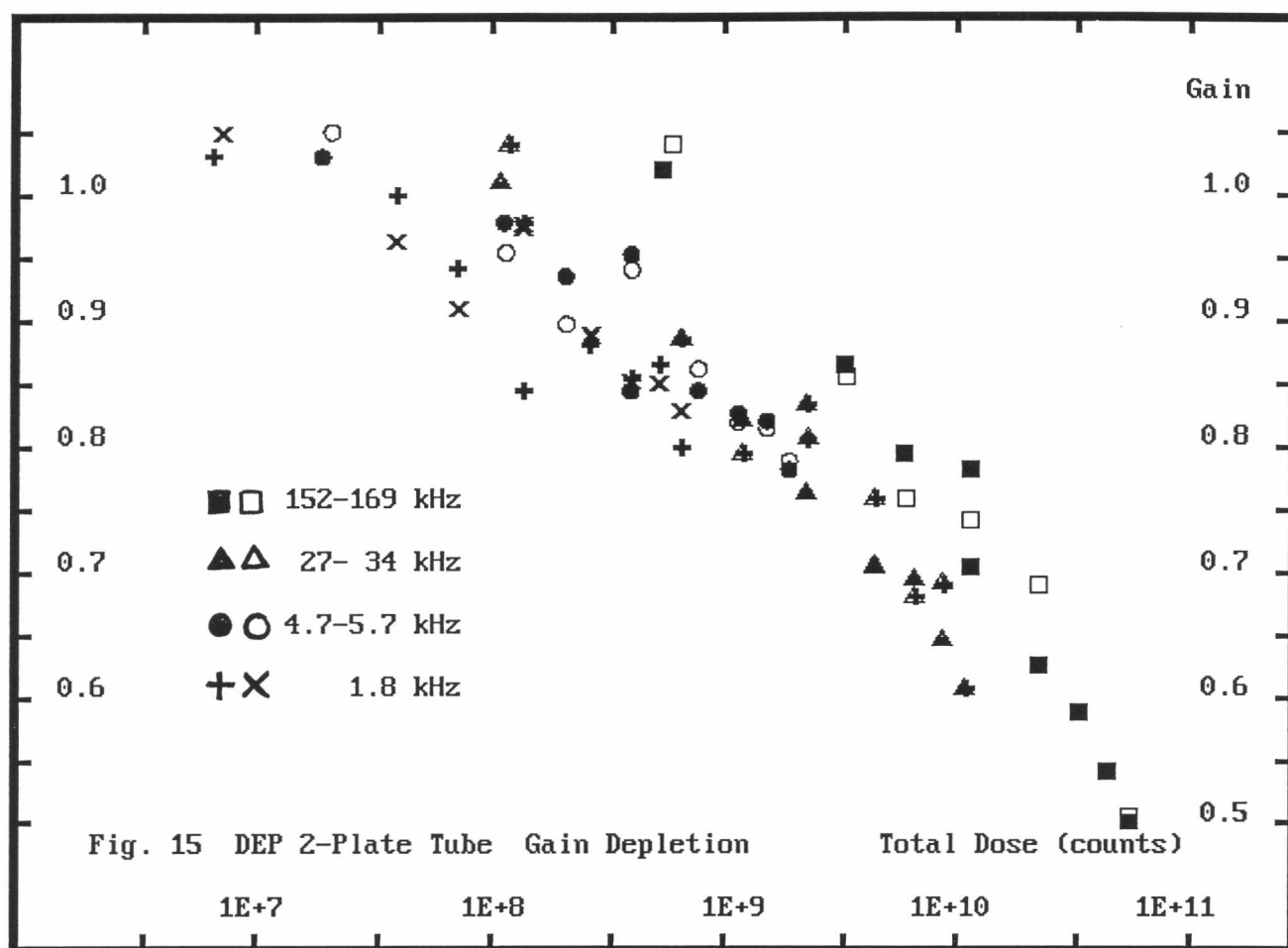


11H 50M 00S
to
12H 50M 00S
3 July 1997

DEP 2-Plates
Intensifier

65536 frames

256 CCD pixel
Fig. 14 F-F in analog mode after 101 hours daose. Flat fielded.



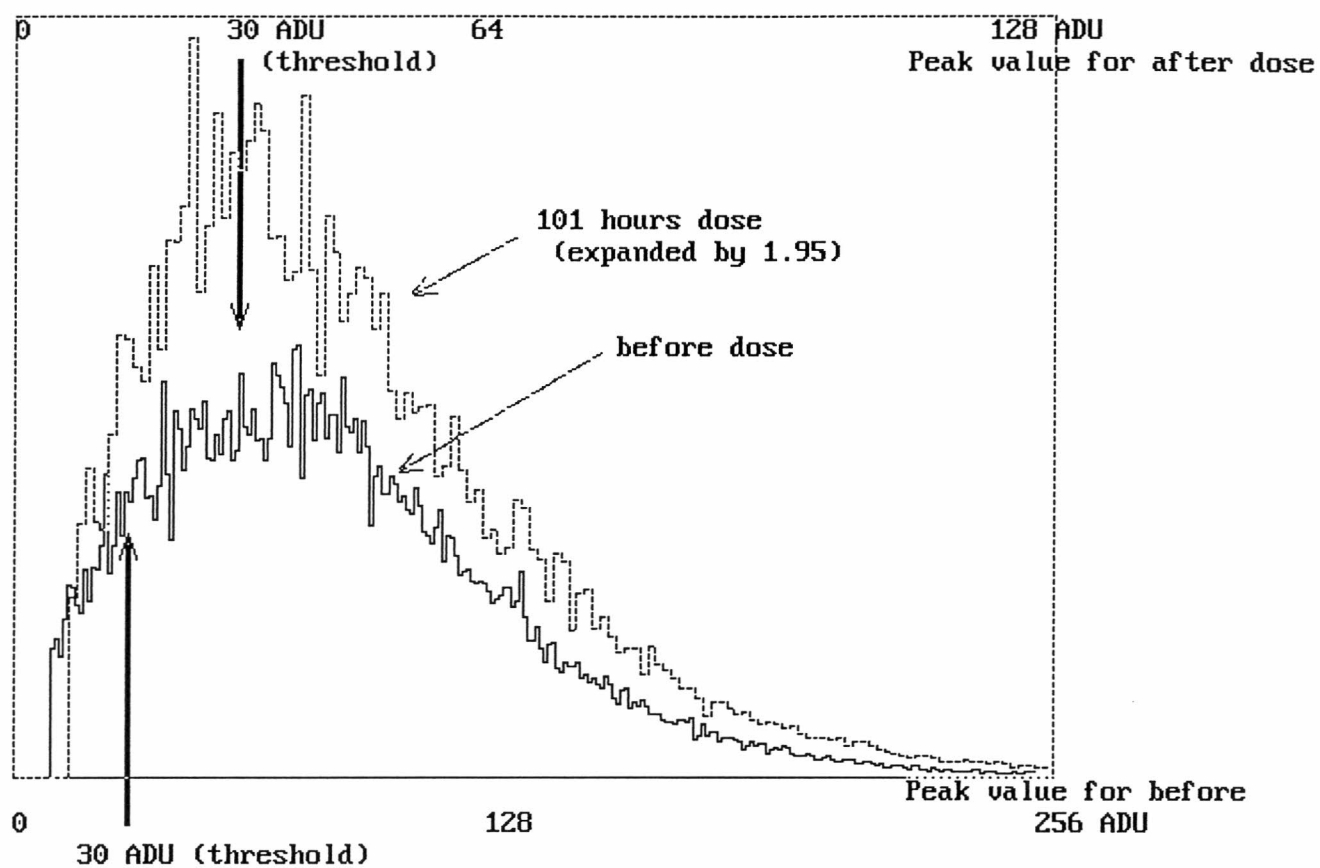


Fig. 16a PHDs from 160,000 c/s illumination area
PHD after photon dose is expanded by x1.95

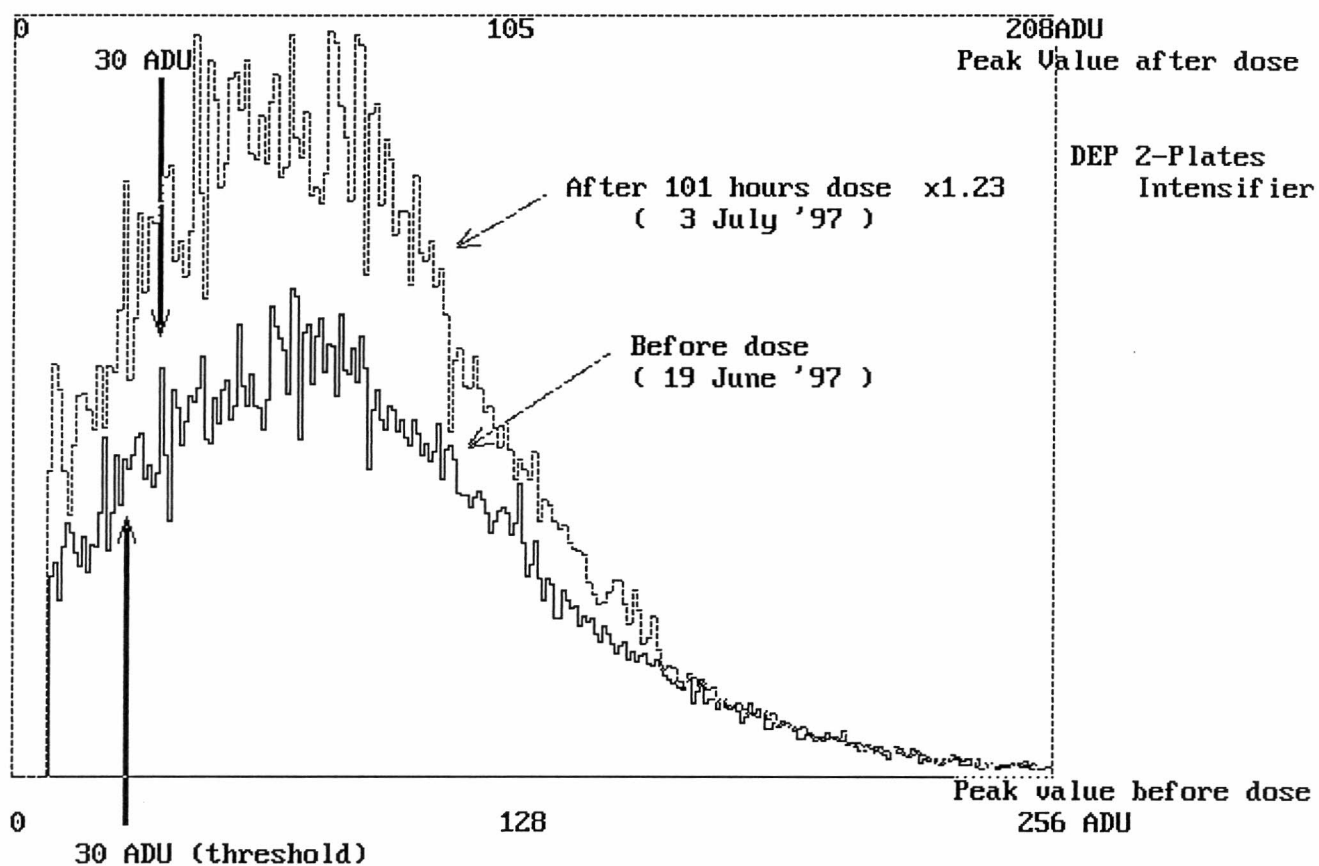


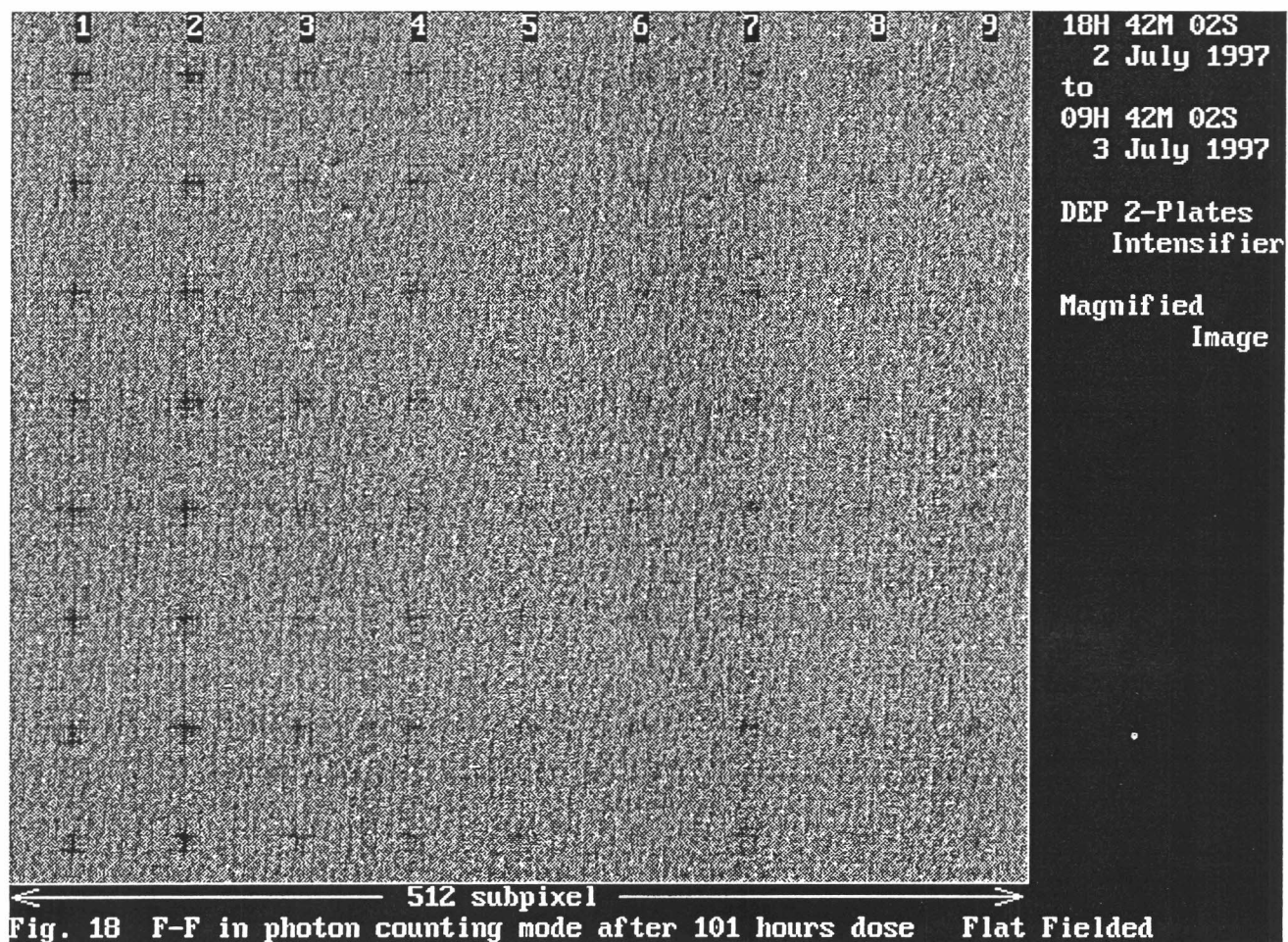
Fig. 16b PHDs from 5,000 c/s illumination area
PHD after the dose is expanded by x1.23

DEP 2-Plates Intensifier

1	3	5	5	8	1
5	4	7	0	0	4
2	0	0	0	0	5
0	0	0	0	0	c
0	0	c	c	c	/
c	/	s	s	s	s

2048 subpixel

Fig. 17 F-F in photon counting mode after 101 hours dose Flat filed



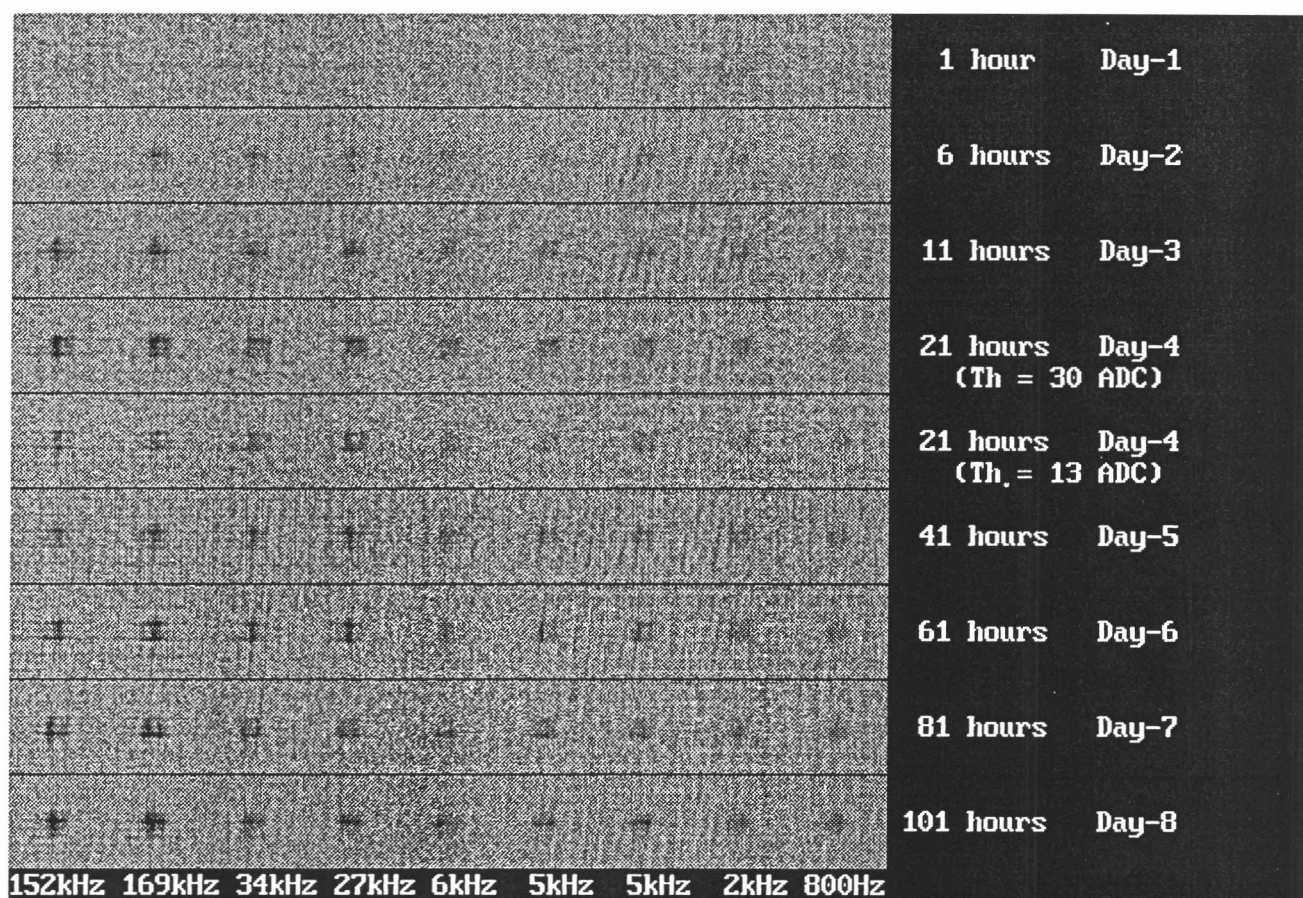


Fig. 19 The daily change of averaged black spot in photon counting F-F

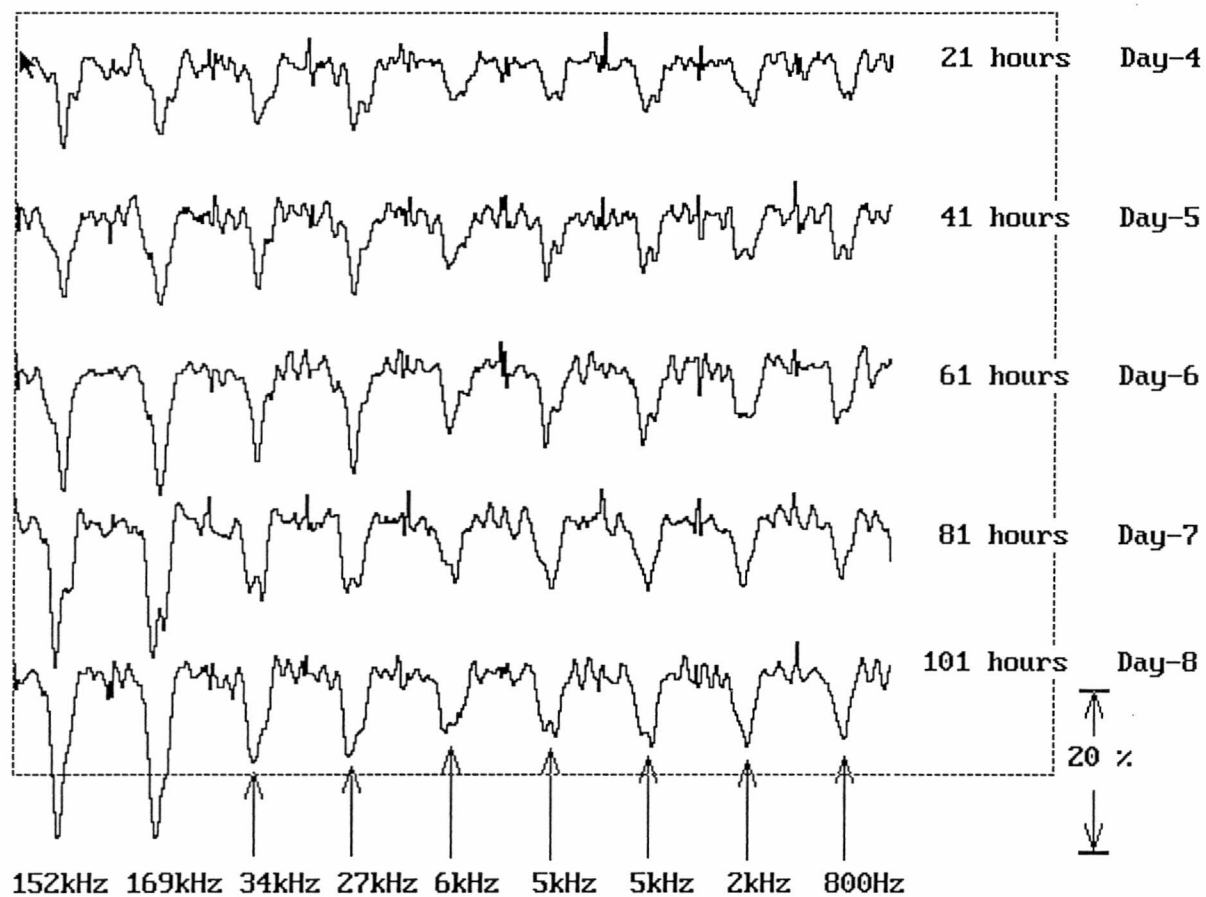


Fig. 20 DEP 2-Plate Intensifier Growth of sensitivity loss in F-F

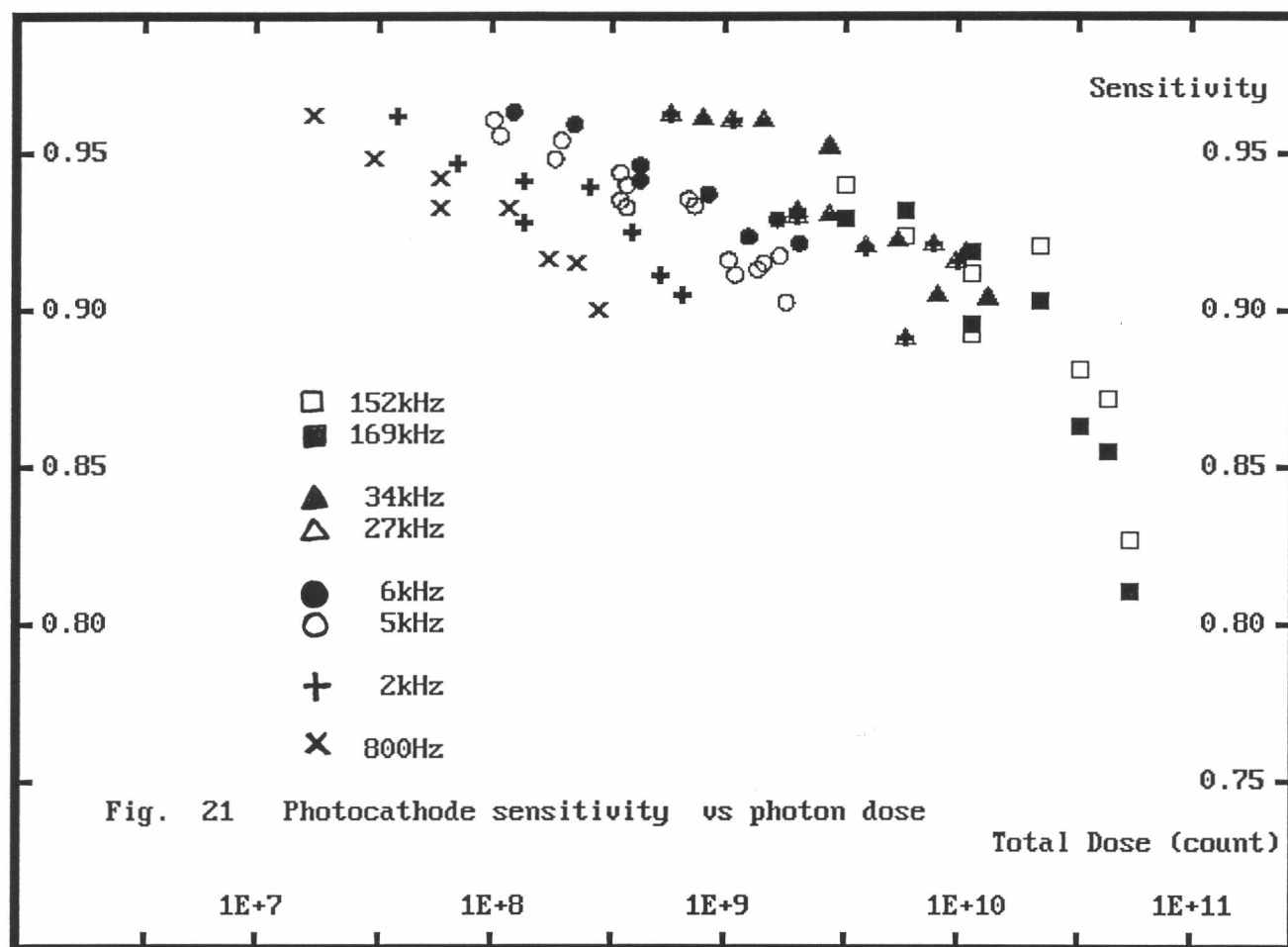
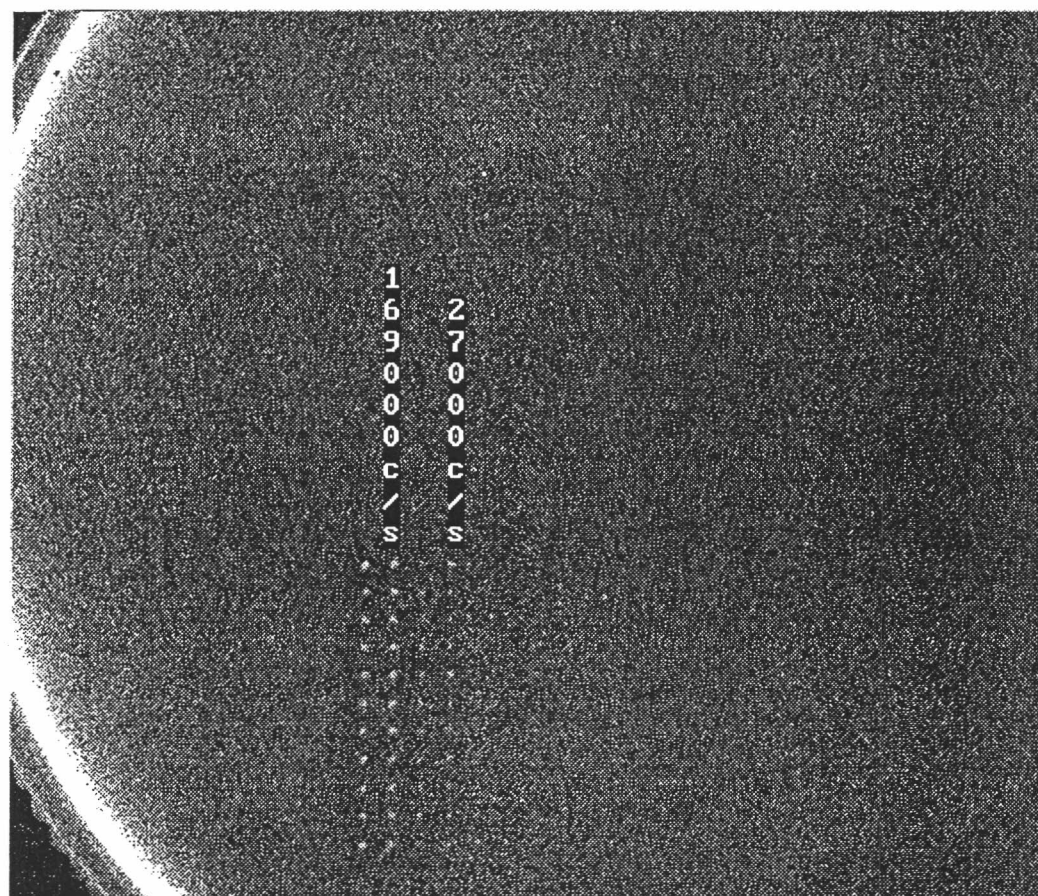
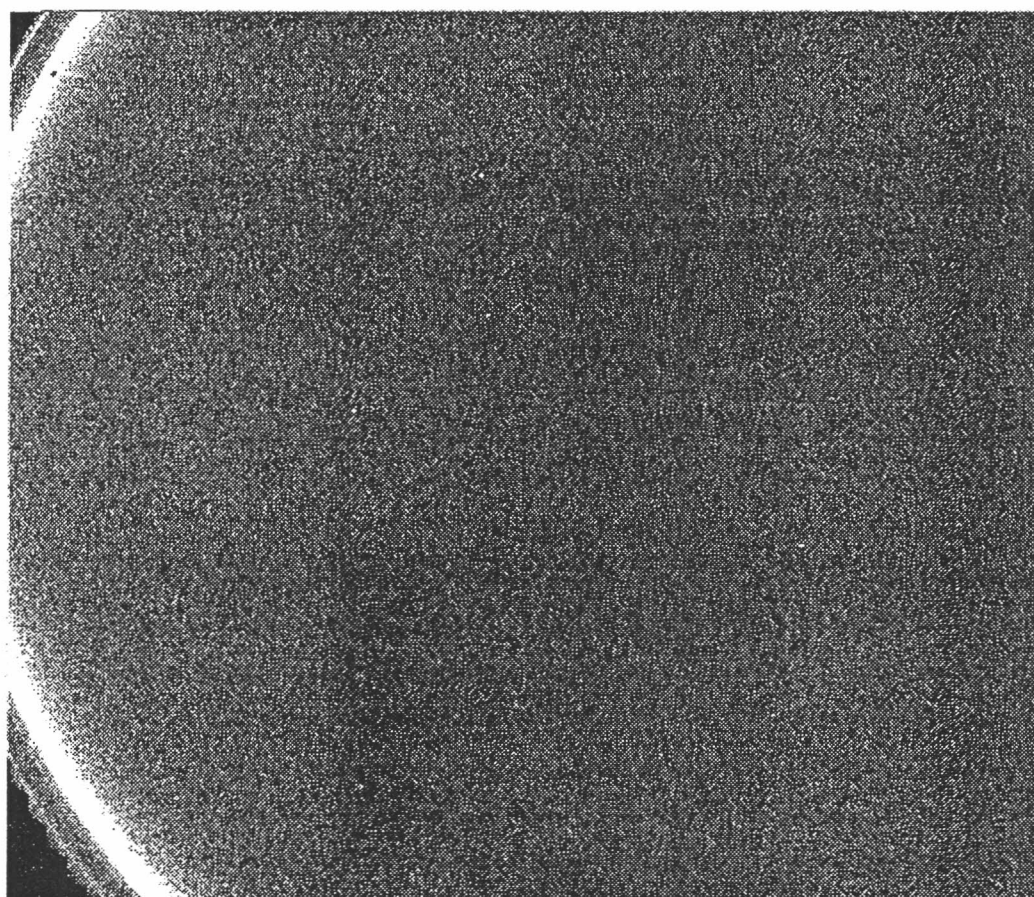


Fig. 21 Photocathode sensitivity vs photon dose



11H 07M 33S
to
11H 37M 33S
26 June 1997
DEP 2-Plate
Intensifier

← 2048 subpixel →
Fig. 22 Fluorescence 7 min after high illumination Exp=30min



13H 11M 26S
to
13H 41M 26S
26 June 1997

DEP 2-Plates
Intensifier

2048 subpixel

Fig. 23 Fluorescence 131 min after high illumination exp=30min

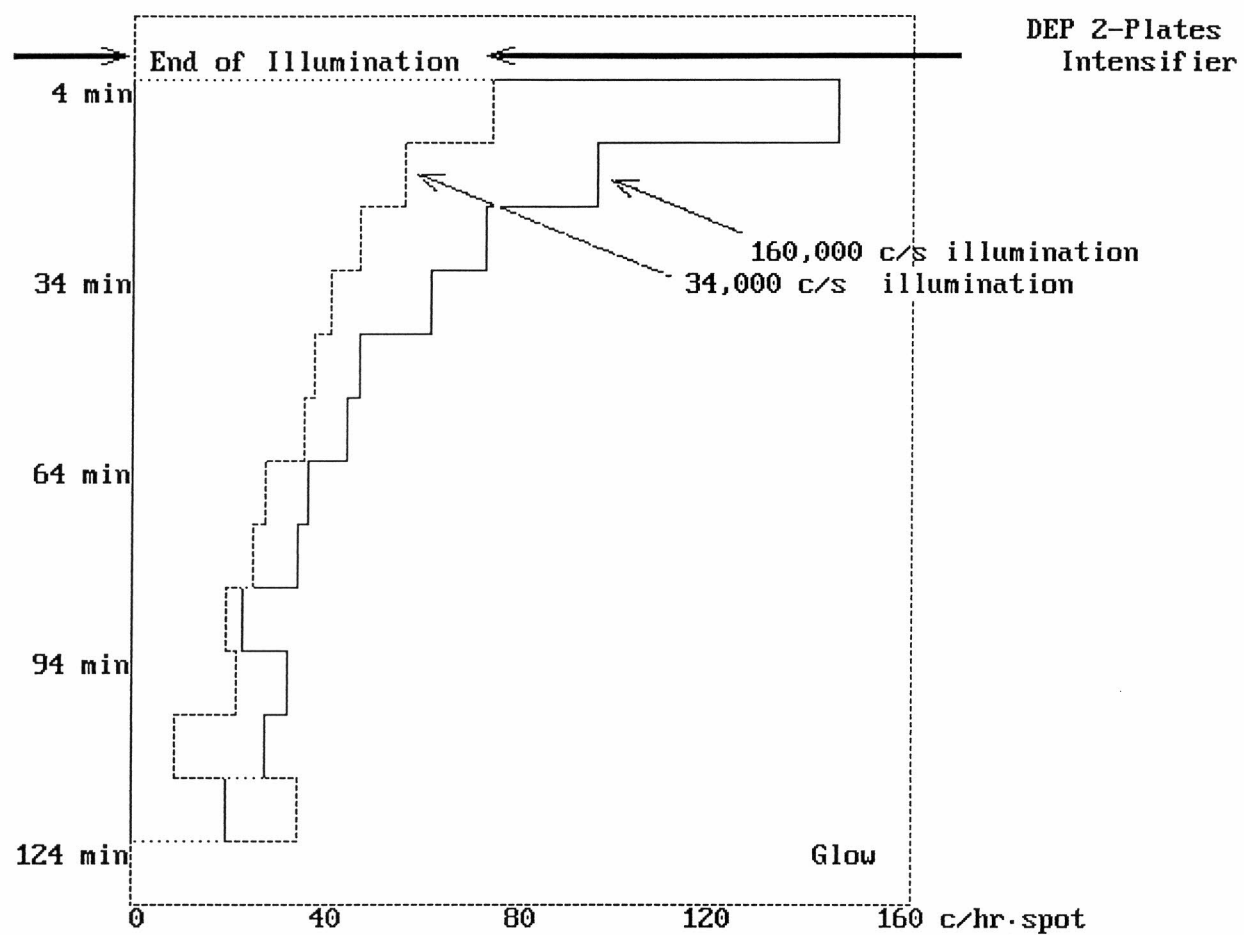


Fig. 24 Sort time variation of fluorescence Day-7 30 June '97

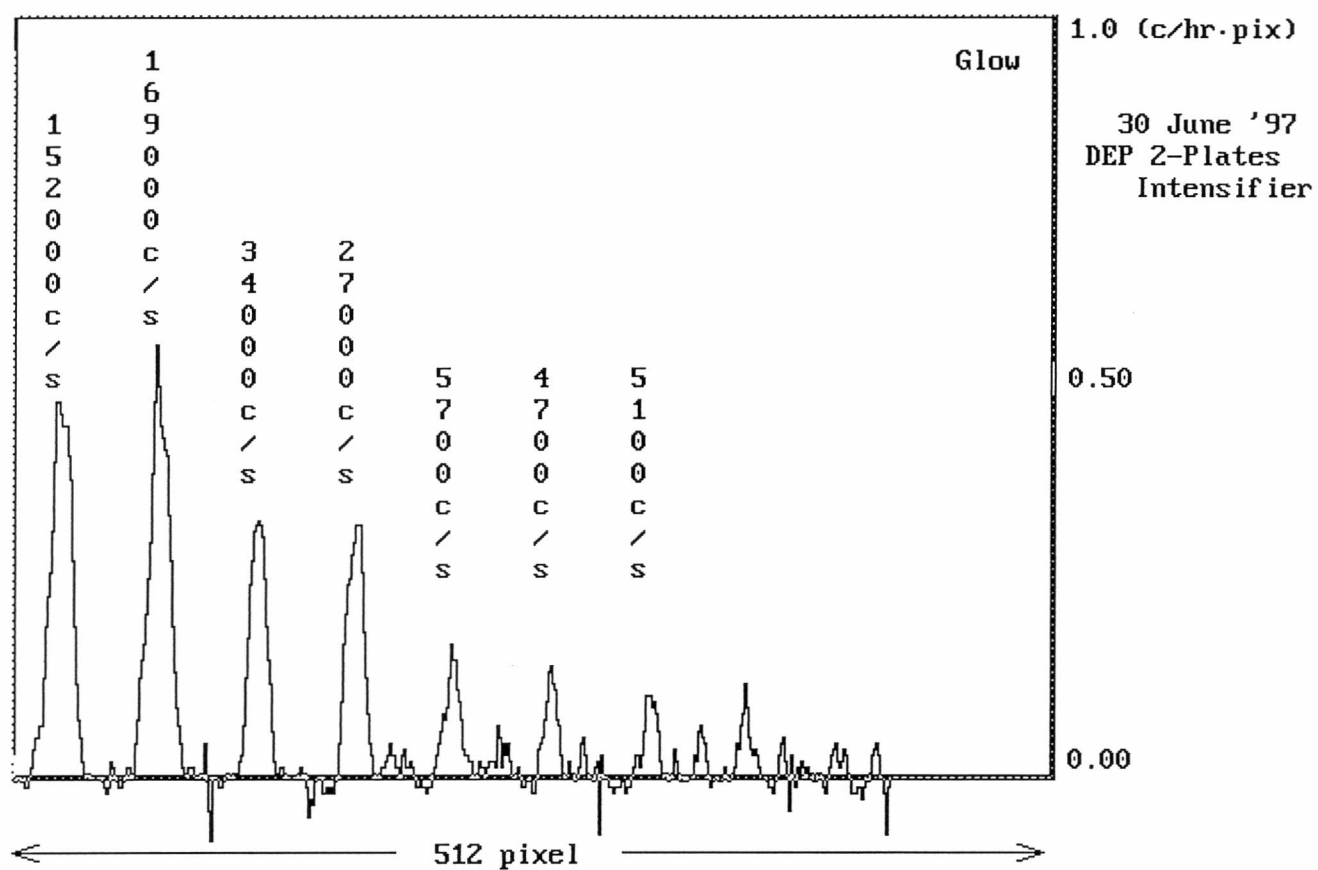


Fig. 25 Fluorescence profiles summed up along 10 frames and 9 columns