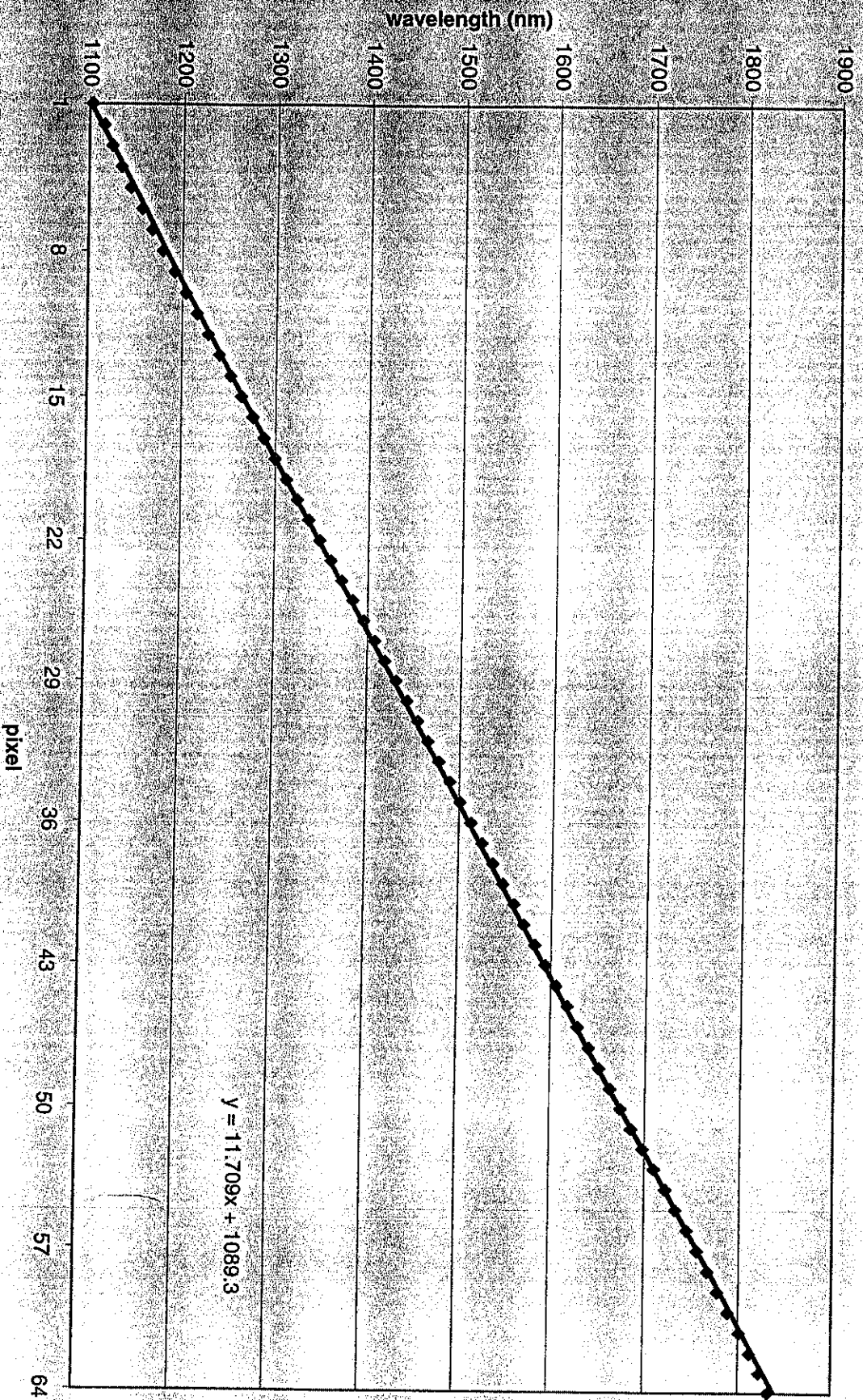
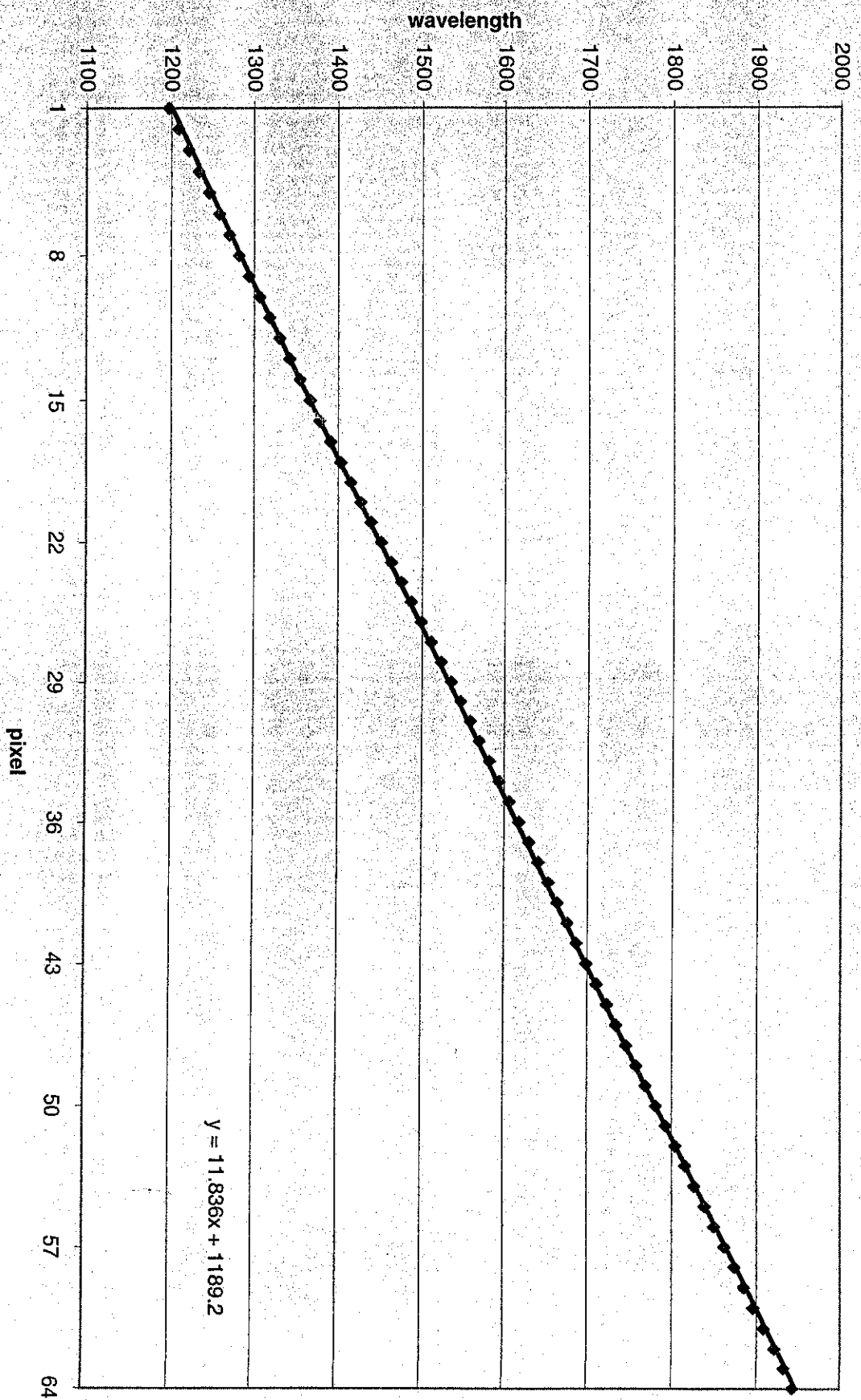


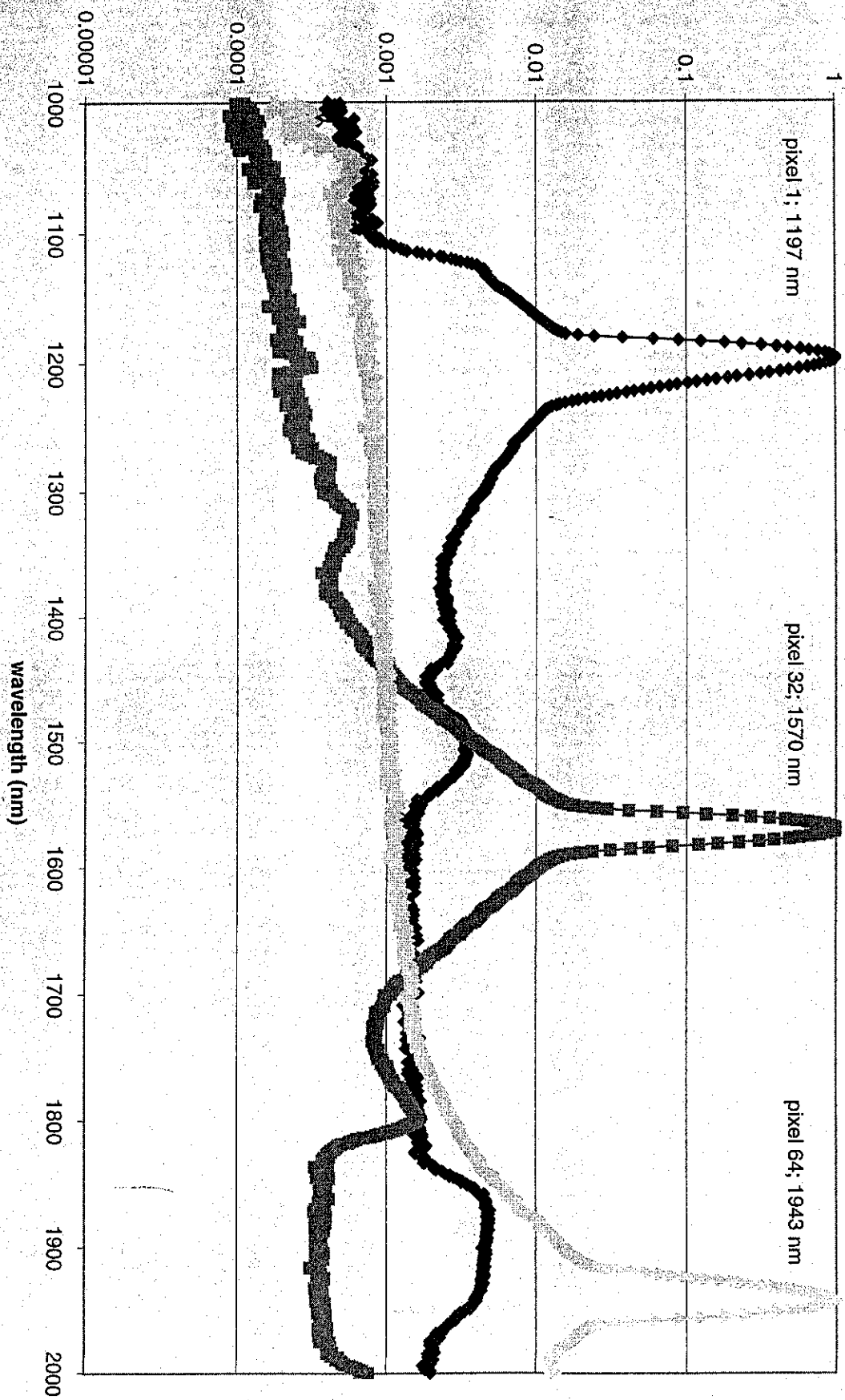
Germanium Trial Unit Dispersion Measurement; 4/12/01



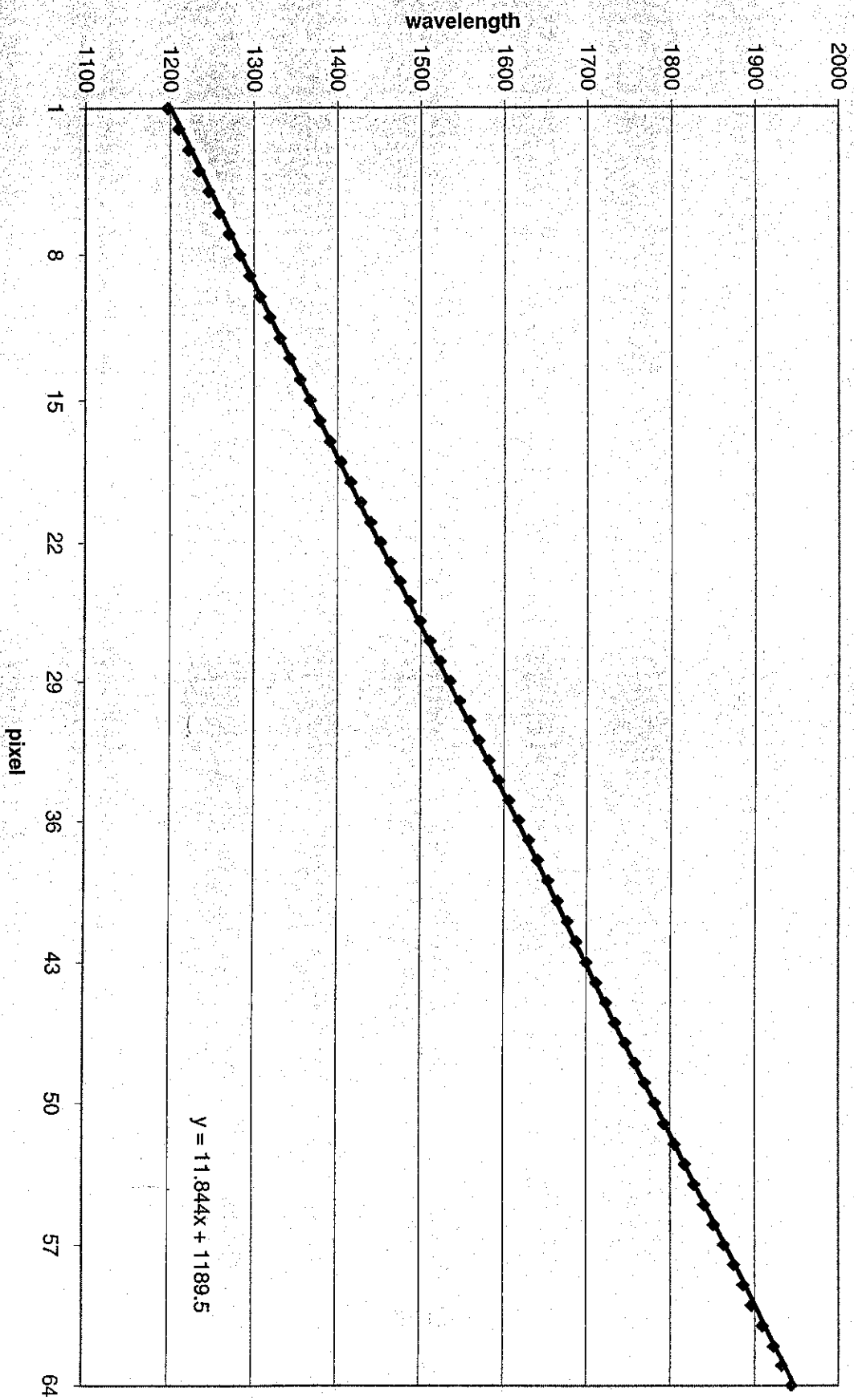
d2000 unit 01130002; dispersion; 12/18/00



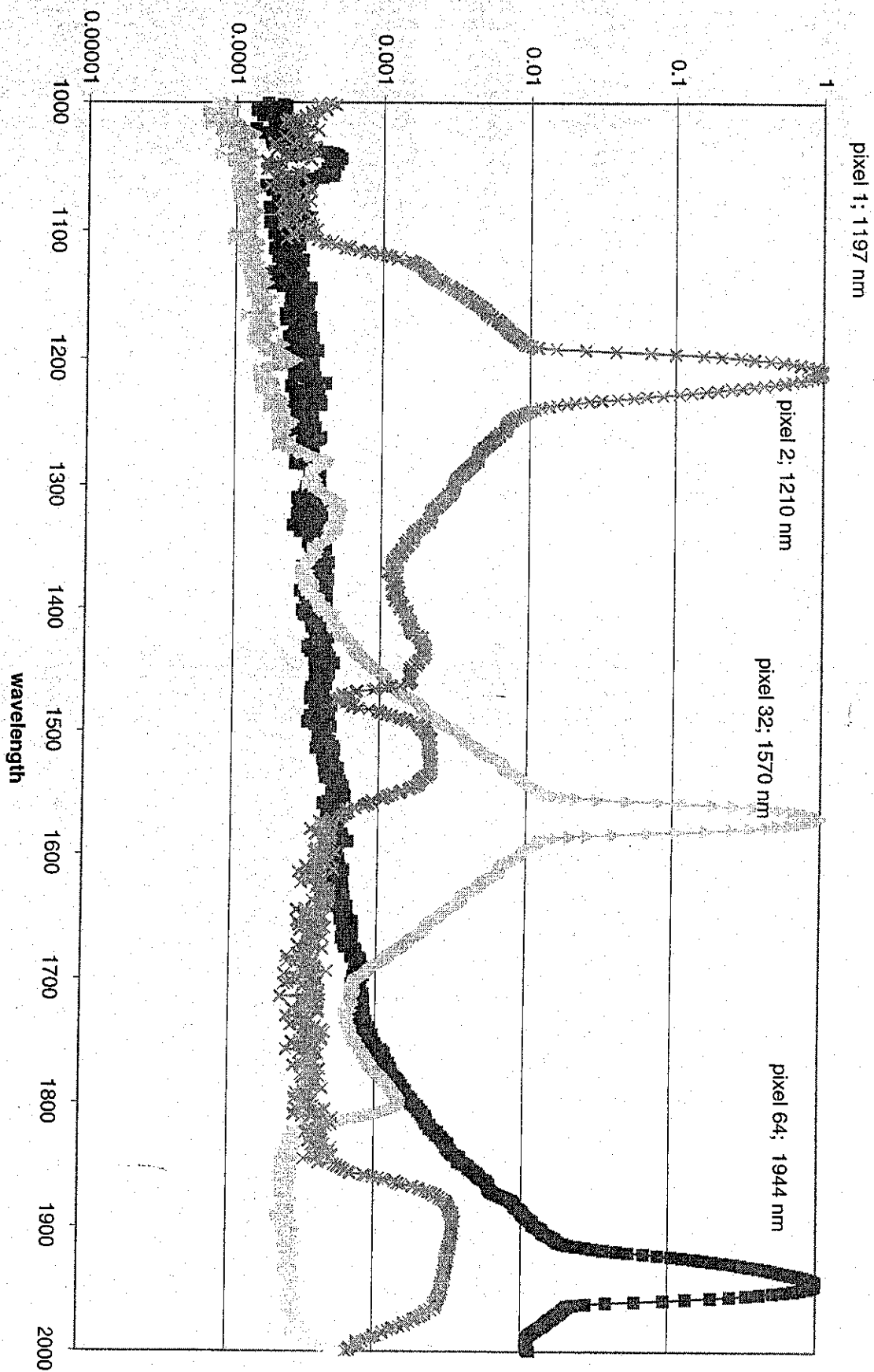
d2000 unit 01130002; 12/18/00



D2000 unit 01130003; dispersion; 12/18/00



D-2000 unit 01130003; 12/18/00



(nearest grating)

00-338

OBJ: 0.0000, 0.0000 DEG

edge of 64 →
(1673nm)
Pixel 57 →
- 1.662
- 1.6305 - 3rd order green

+	1.3240
x	1.3910
o	1.4590
x	1.5270
x	1.5940
o	1.6305
o	1.6620
o	1.2656

12800.00

1371

1709

edge of Pixel 1
(1255nm)

2.9 Pixels
↓
Pixel 2 (1301nm)
1.2656nm (2nd order red)

SURFACE IMR: DETECTOR PLANE

SPOT DIAGRAM

(furthest from grating)

EXTENDED DISPERSION CZERNY TURNER WITH 360 L/MM GRATING
FRI DEC 1 2000 UNITS ARE MICRONS.

FIELD : 1
RMS RADIUS : 4.2E+003
GEO RADIUS : 6.5E+003
SCALE BAR : 1.28E+004

REFERENCE : MIDDLE

CONFIGURATION 1 OF 1

OBJ: 0.0000, 0.0000 DEG

edge of Pixel 17 (1734)

1734 1725 mm

array length
12800.00

edge of Pixel 17 1460

1466 1475 mm

Pixel 17 (~1490 mm)

IMA: -0.000, 1.153 MM

SURFACE IMA: DETECTOR PLANE

SPOT DIAGRAM

EXTENDED DISPERSION CZERNY TURNER WITH 497 L/MM GRATING
TUE DEC 5 2000 UNITS ARE MICRONS.

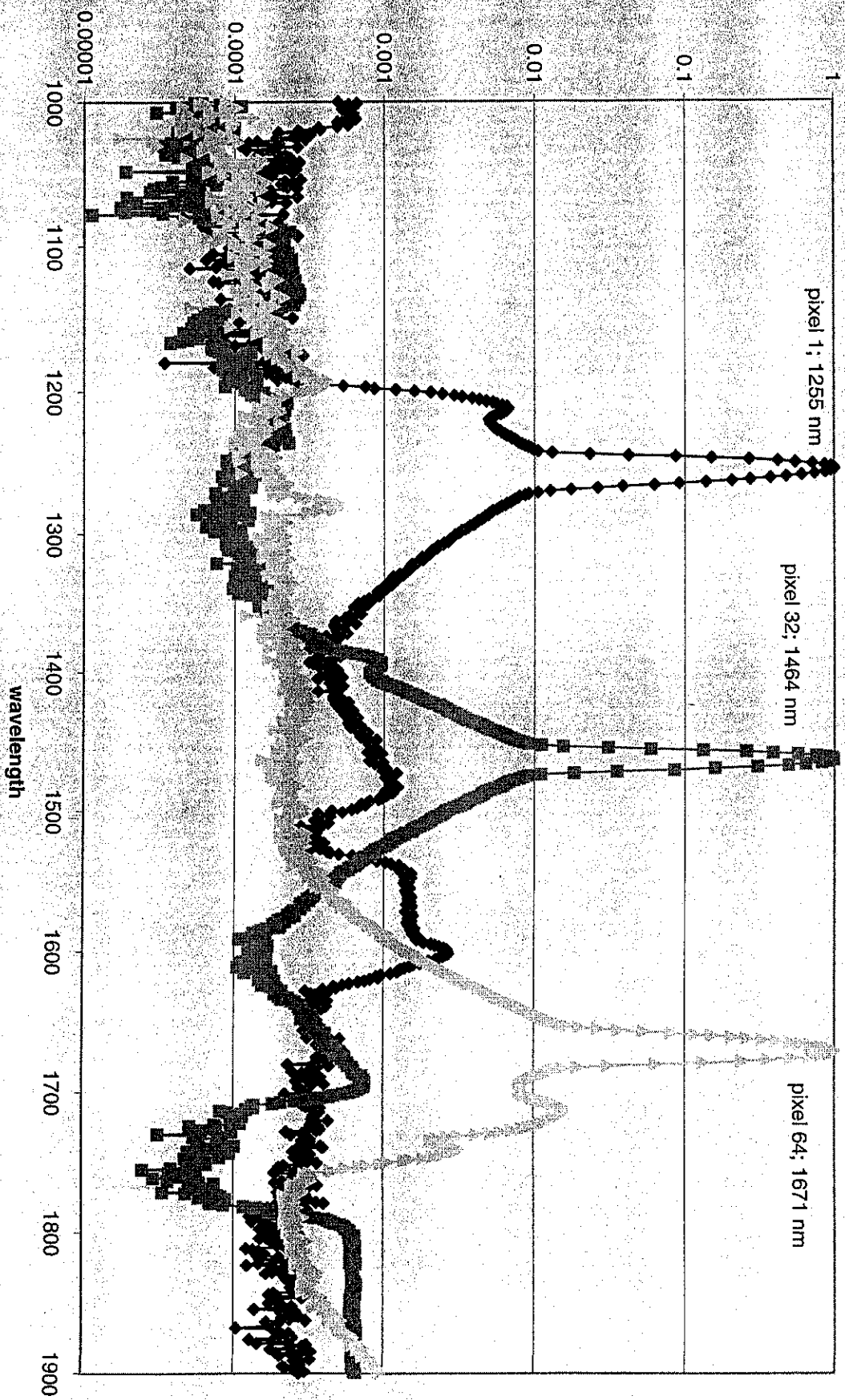
FIELD : 1
RMS RADIUS : 3.7E+003
GEO RADIUS : 5.8E+003
SCALE BAR : 1.28E+004

REFERENCE : MIDDLE

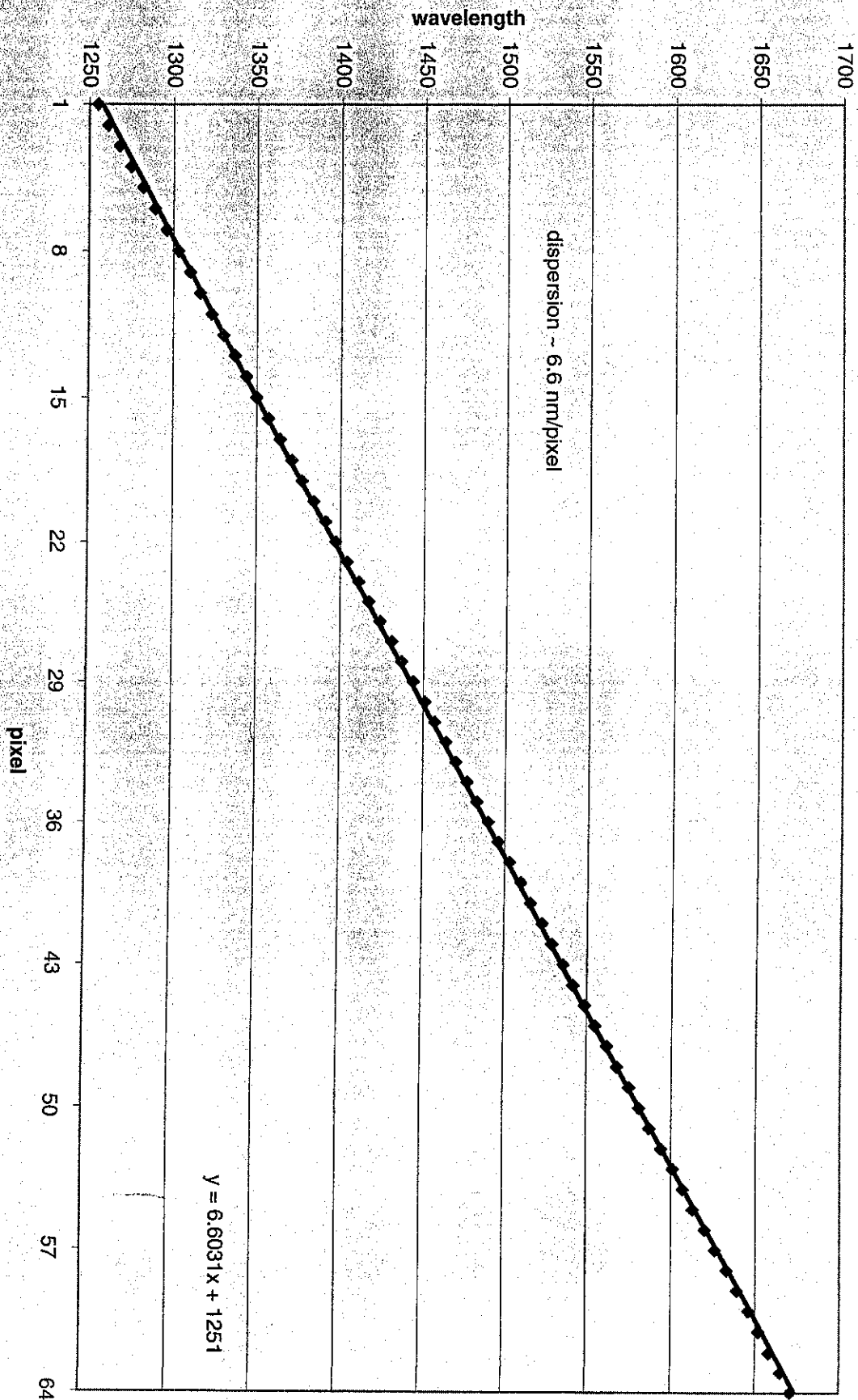
CONFIGURATION 1 OF 1

+	1.4750
x	1.5250
o	1.5750
z	1.6750
*	1.7250
o	1.6305

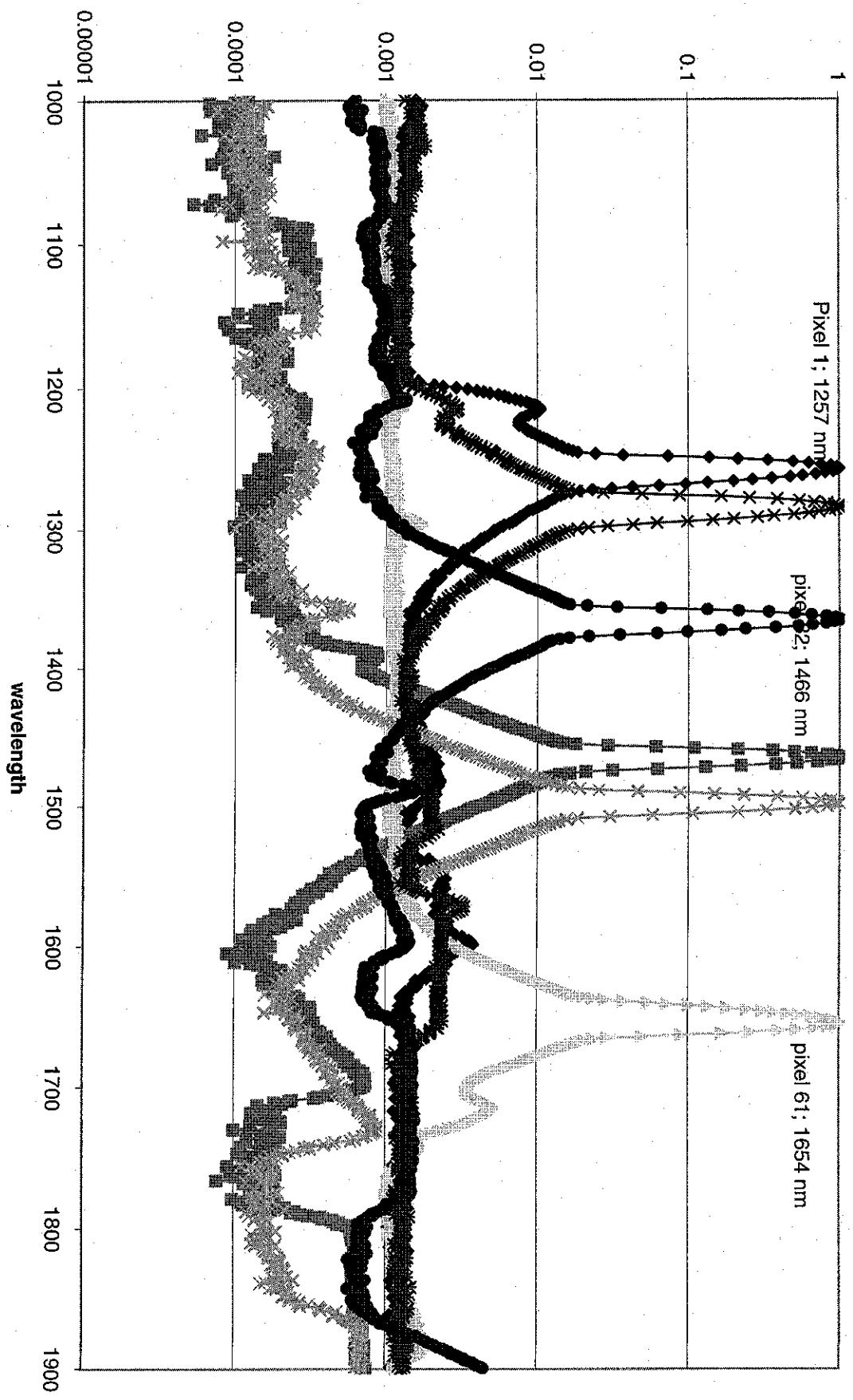
dmcm 2; 360 l/mm grating; 12/14/00



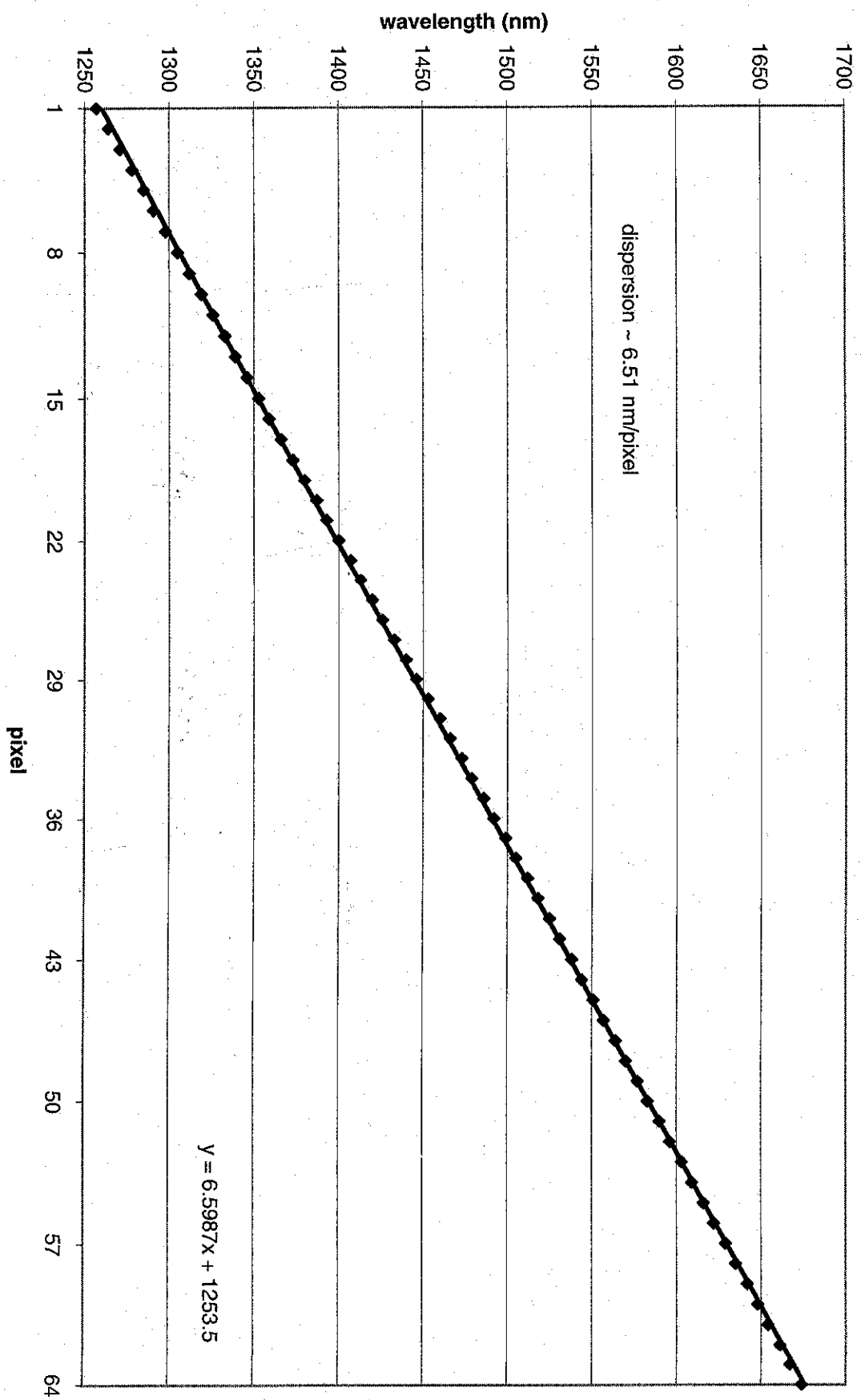
dmcm 2; 360 l/mm grating; dispersion measurement; 12/14/00



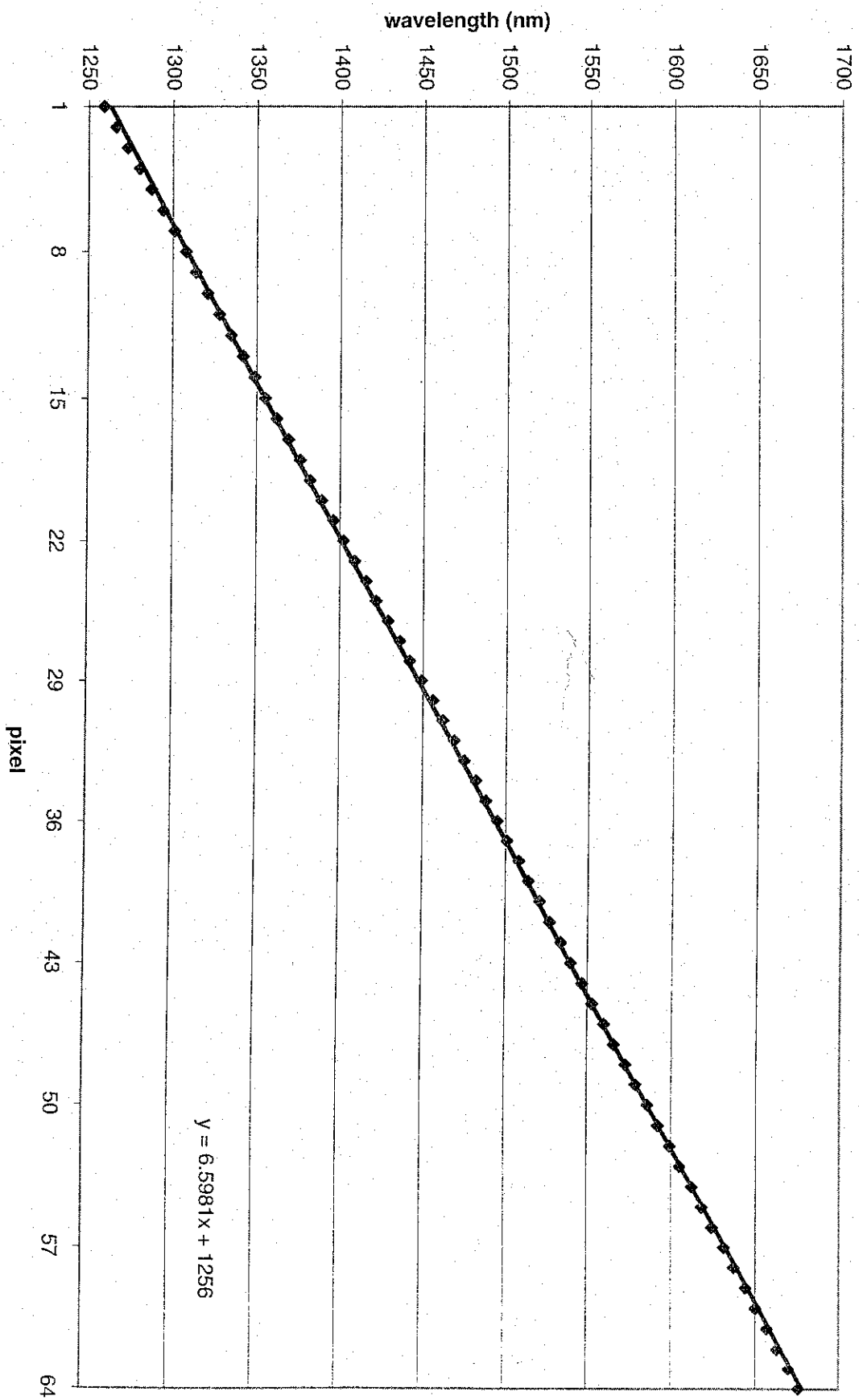
DMCM2; 360 l/mm grating; 12/8/00



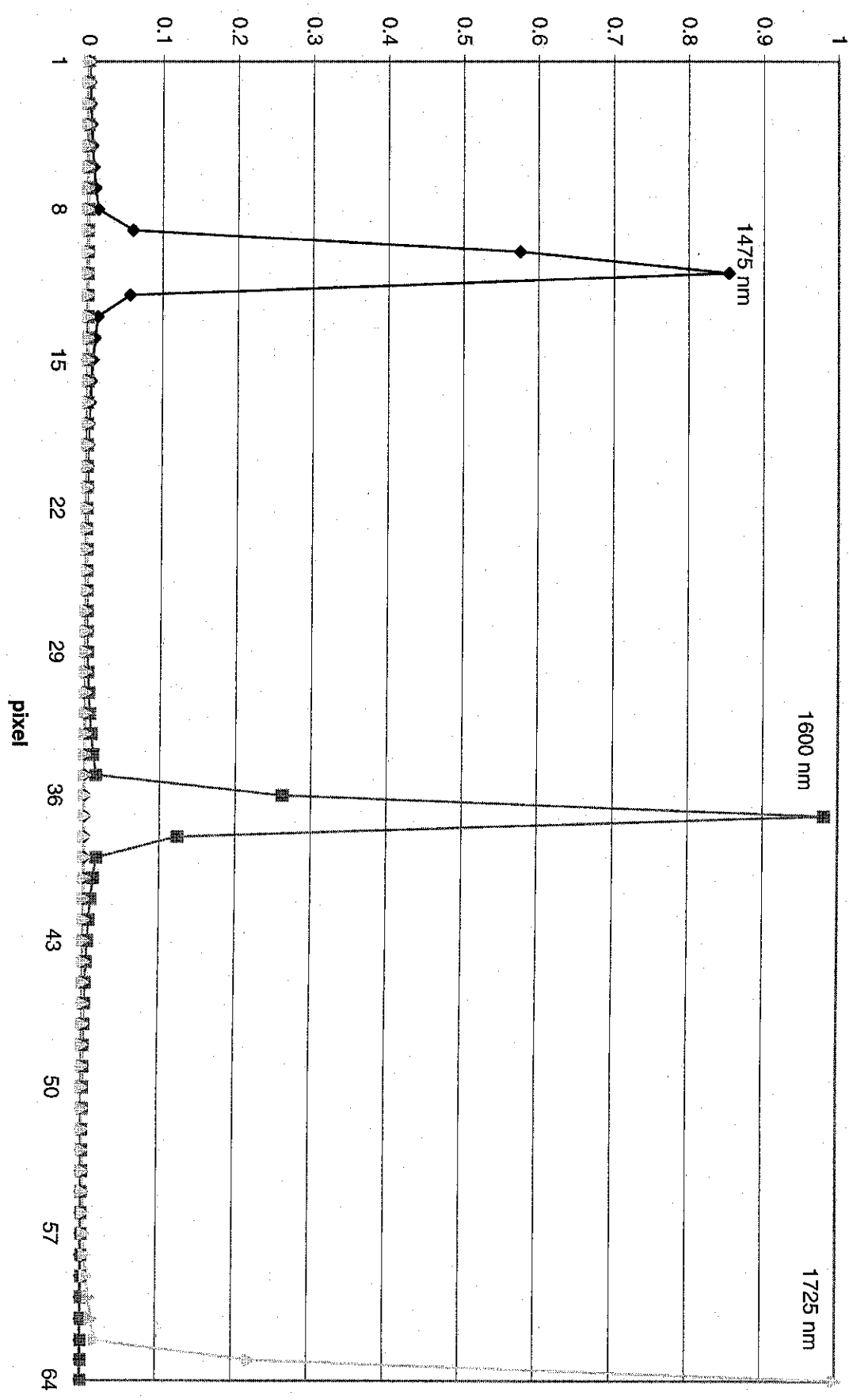
DMCM2; 360 l/mm grating dispersion; 12/8/00



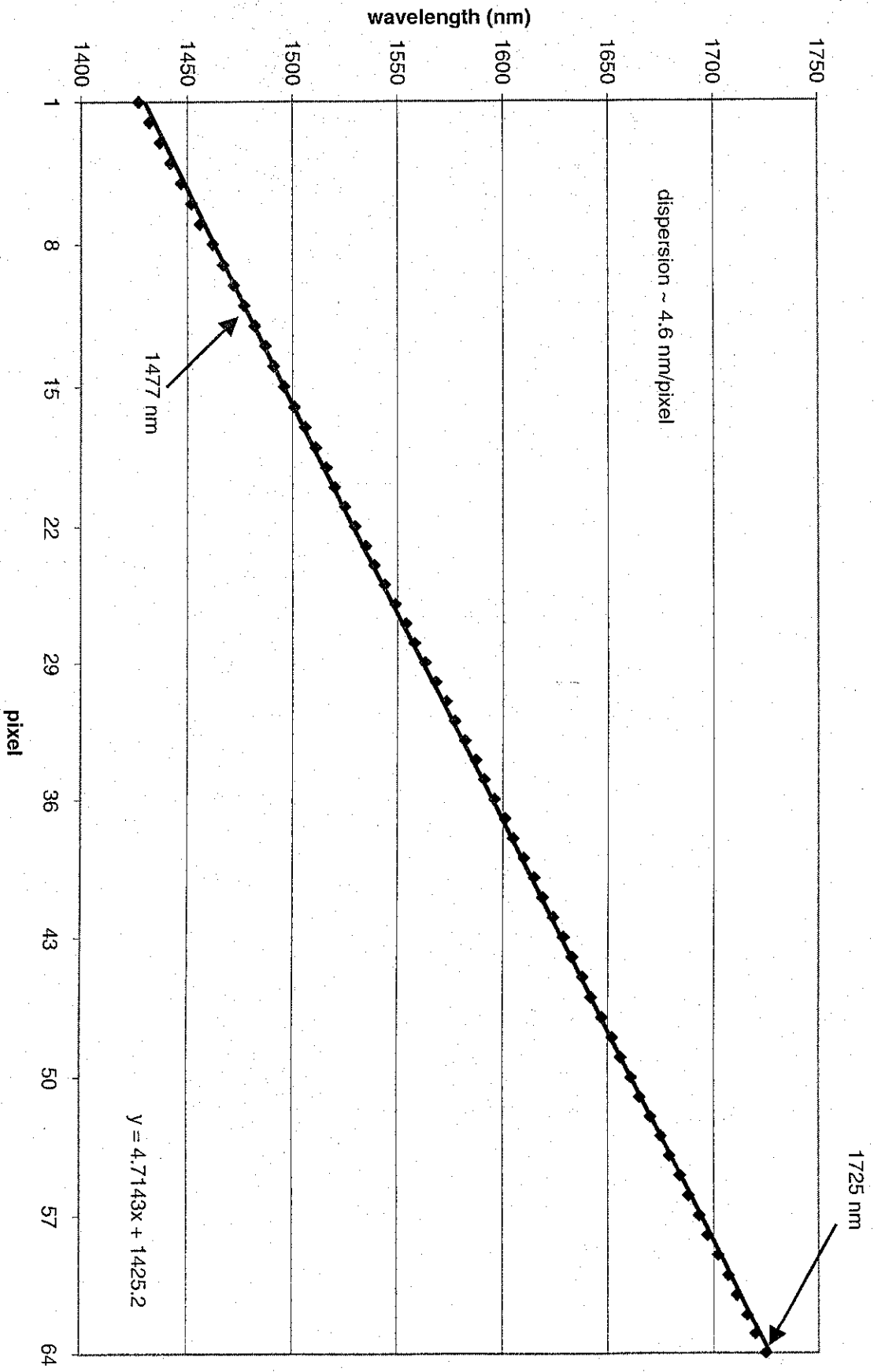
DMCM3; 360 l/mm grating; dispersion measurement; 12/12/00

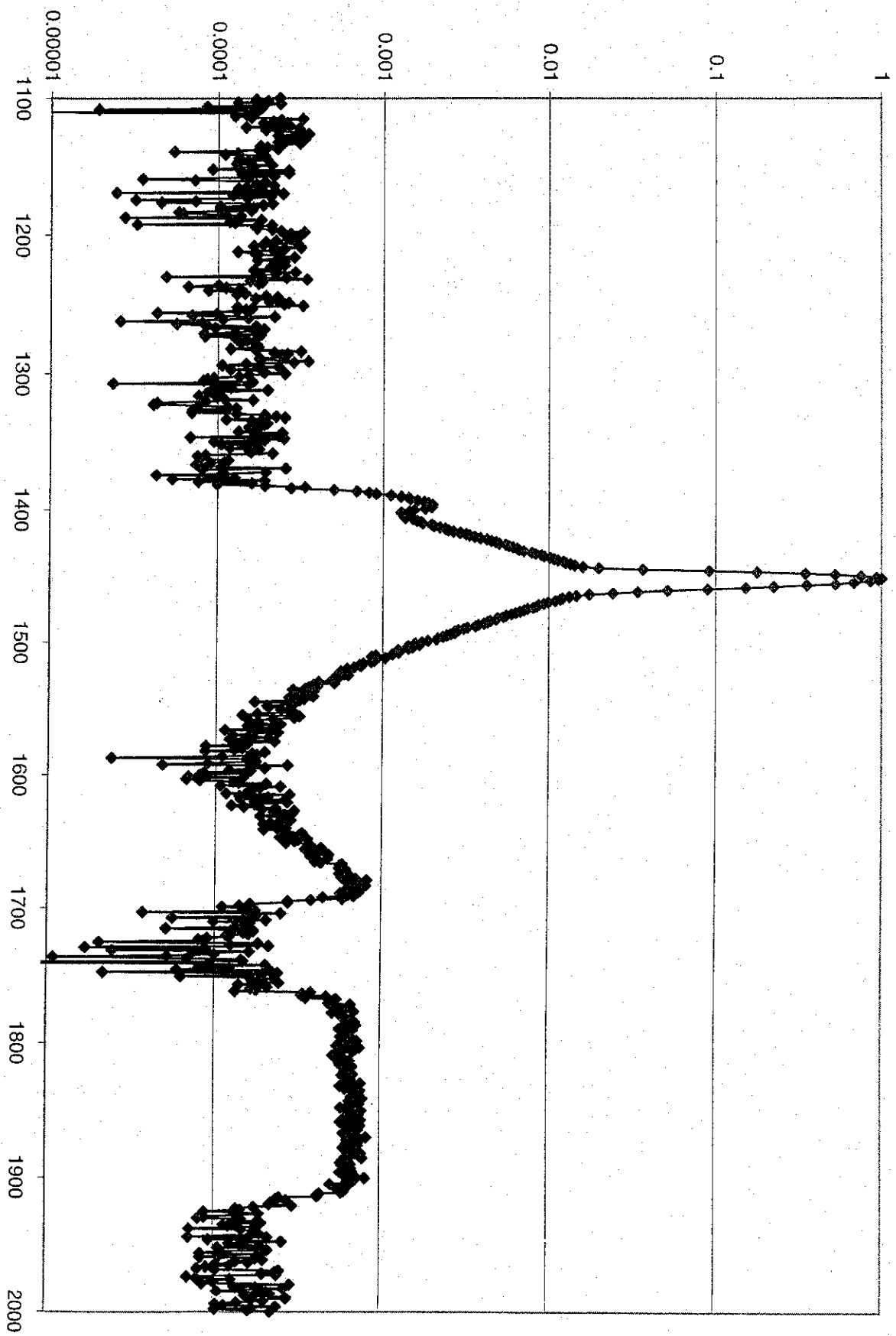


500 l/mm grating; 2 nm bandwidth; 12/7/00

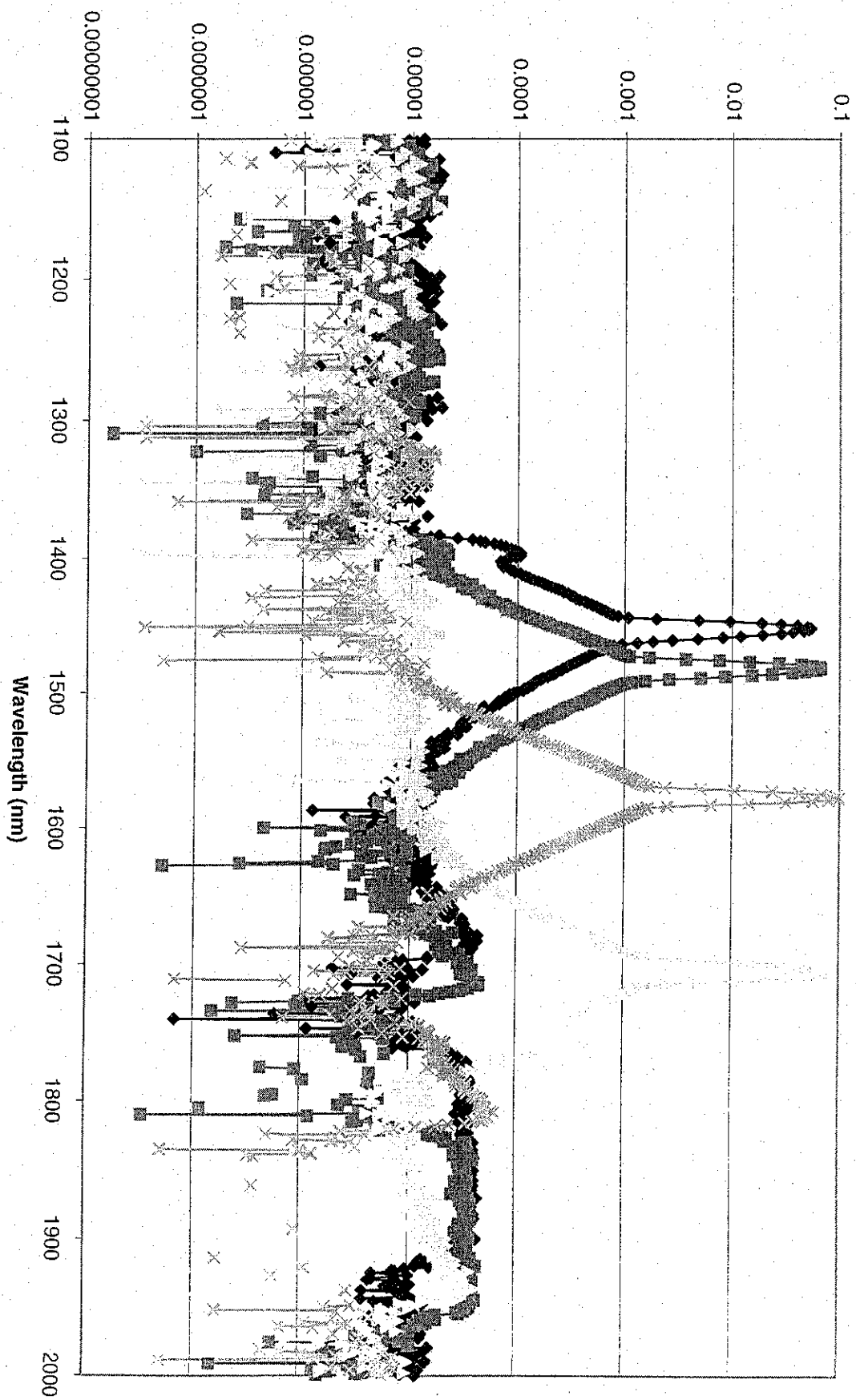


500 l/mm grating unit; Dispersion measurement; 1 nm steps; 12/7/00

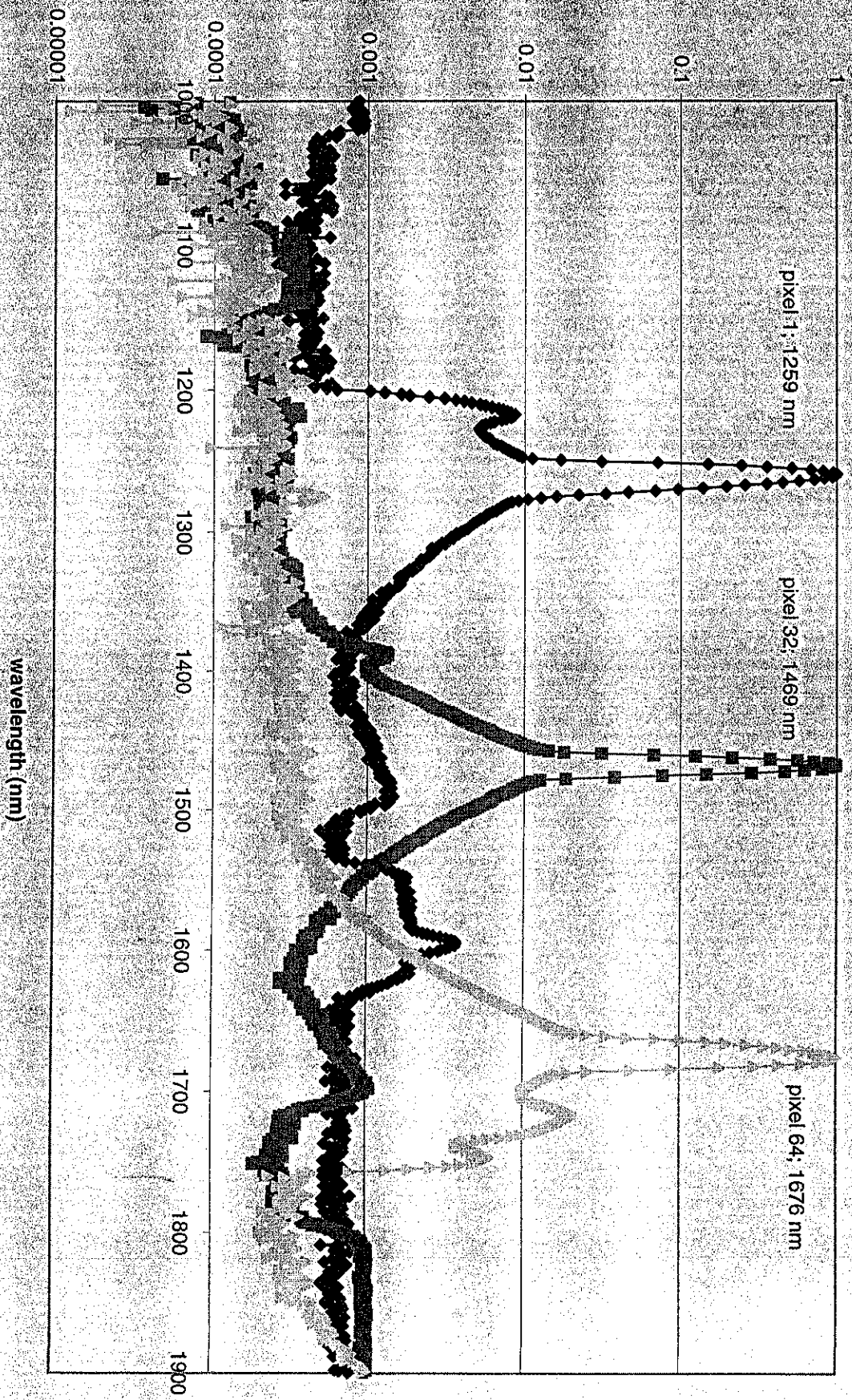




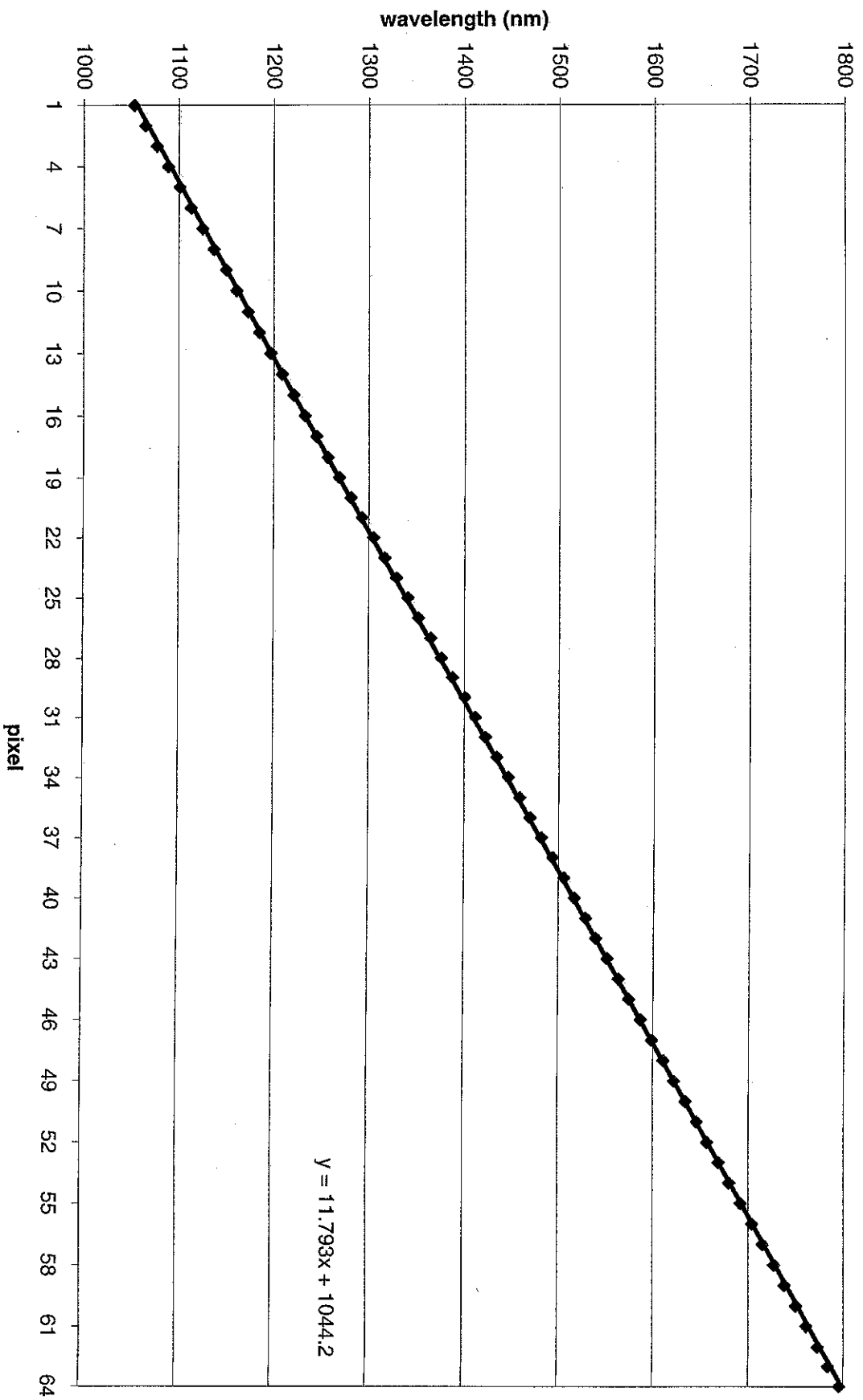
Wavelength scan of 4 pixels; 500 l/mm grating machine; 12/7/00



DMCM3; 360 /mm grating; 12/12/00

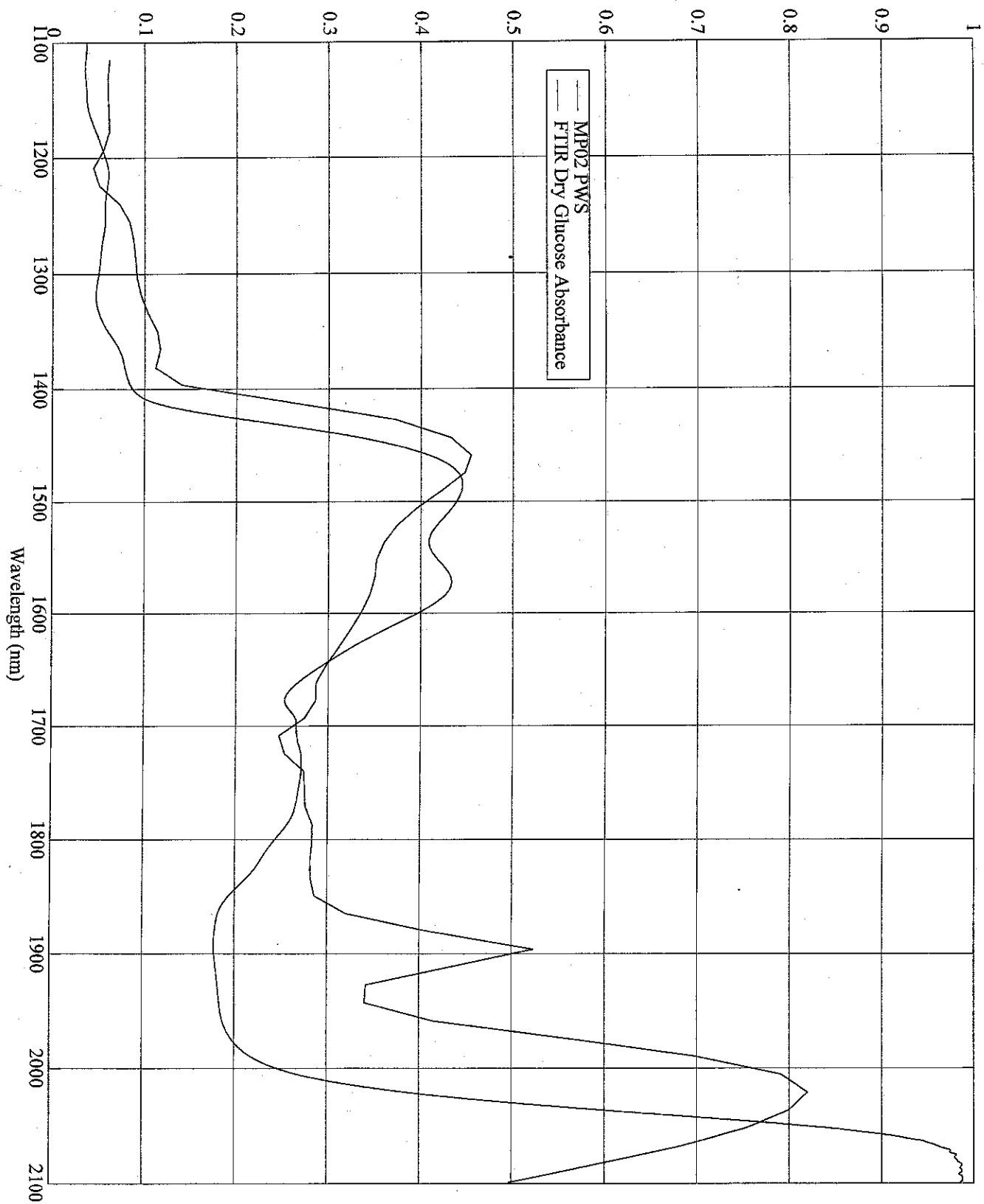


Differential probe machine spectrograph spectral scan; 200 l/mm grating; Pbs array; 8/16/01



Auth: Felkner 724327 8569

Normalized Glucose Absorbance Spectrum: MP02 PWS & FTIR Dry Glucose Absorbance



Skin Pathlengths: PWS/g

