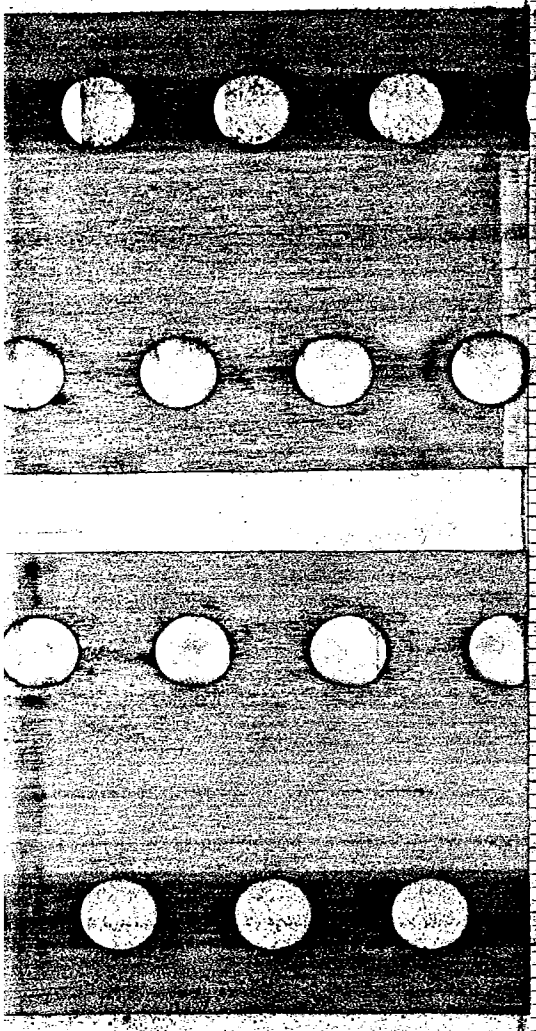
MCS 1302 (TXS)
INC. TXS FRACTIONS OF 1238, 1487, 1475, 1623

DSW 298549

STLCOPCB4068467



DSW 298550

TXS - MCS-1302

2 µl = 64×10^3 - 25.2 ng - 565
4 µl = " - 50.4 ng. - 1090
6 µl = " - 75.6 ng - 1633

1302 Feed - 5 ppm. - 2 µl of 5.25 ml. - 64×10^3
699.

$\frac{565}{699} = \frac{25.2}{x} = \frac{31.2 \times 5.25}{2 \times 25} = 3.28$ ppm.

1302 Feed - 25 ppm. - 2 µl of 7.0 ml. - $128 \times 10^3 = 1994$

$\frac{3988}{1633} = \frac{x}{75.6} = \frac{184.6 \times 7}{2 \times 25} = 25.85$ ppm.

DSW 298551

CHARTS GRAPHIC CONTROLS CORPORATION BUFFALO, NEW YORK No. 18342

DSW 298552

STLCOPCB4068470

TXS — ~~ether~~ Al_2O_3 column.

Feed ppln.

100 ml. hexane — nothing discard

200 ml. — 10% ether — nothing discard

200 ml 25% ether — carotene elutes very fast. —
nothing in; discard
collect remainder of 25% ether cut for
TXS analysis.

#75 Tissue 5ppm
2 dup. 1489 — 20 g/100 ml. on GPC

6 µl of 5.1 ml. — n.d.

#76 tissue 25ppm
2 dup. 1479 — 20 g/100 ml on GPC

8 µl of 5.0 ml. — n.d.

6 µl of 1.0 ml. — n.d.

DSW 298553

$$\frac{< 2\text{ng.} \times 1.0}{6 \times 2\text{g.}} = < 0.16 \text{ ppm wet basis}$$

< 0.16 ... on lipid basis

STLCOPCB4068471

MCS 1302

8 cuts	69		None detected	< 0.5 ppm
4	70		"	< 1.0 ppm
8	90		"	< 0.5 ppm
"	91		"	"
"	96	MCS 1489	"	< 0.25 ppm
"	97		"	"
"	117		"	"
"	118		"	"
"	111		"	"
"	112		"	"
13	133		"	< 0.25 ppm
12	154		"	"

DSW 298554

TXS (1302) @ 2.52

154 L
154 M } ND < ≈ 1 ppm

$$\frac{0 \times 2.52 \times 2}{8 \times .5} \times \frac{7}{5} = 1.26$$

152 Ø EXTRACT 12 cuts ND. < .1 ppm

$$\frac{2ml \times 2.52 \times 2ml}{5ml \times .4 \times 12} =$$

DSW 298555

MCS /302

SAMPLE # 152 10 cms

ND < 0,25 µm

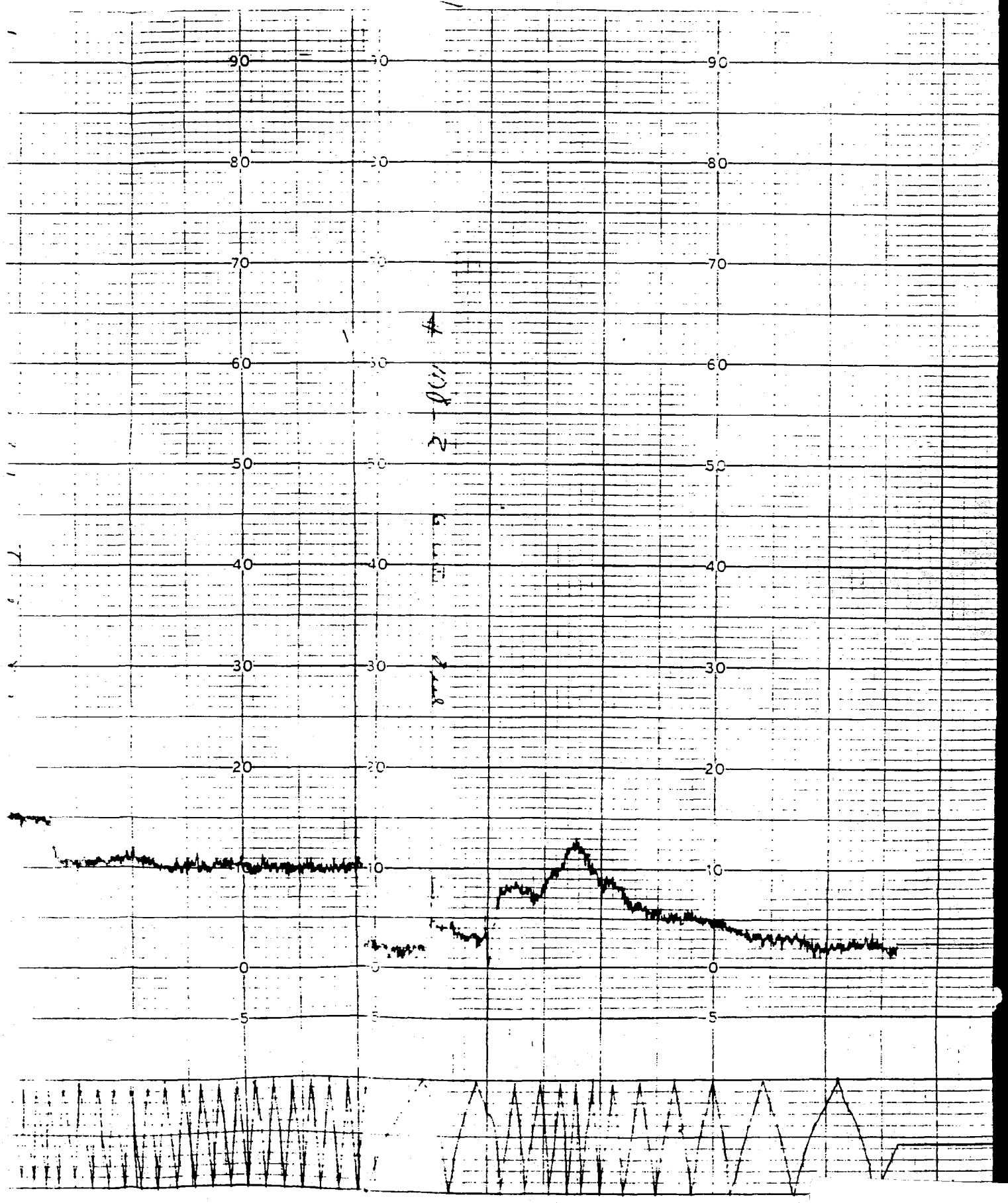
DSW 298556

MCS 1238 Tissues
TXS Fraction

assuming detection limit of 1 µl of 2.52 ng/µl std 1302, the following are results for TXS

65-2	nd	< .1 ppm
66-2	nd	< .1
87-2	nd	< .1
107-2	nd	< .1
108-2	nd	< .1

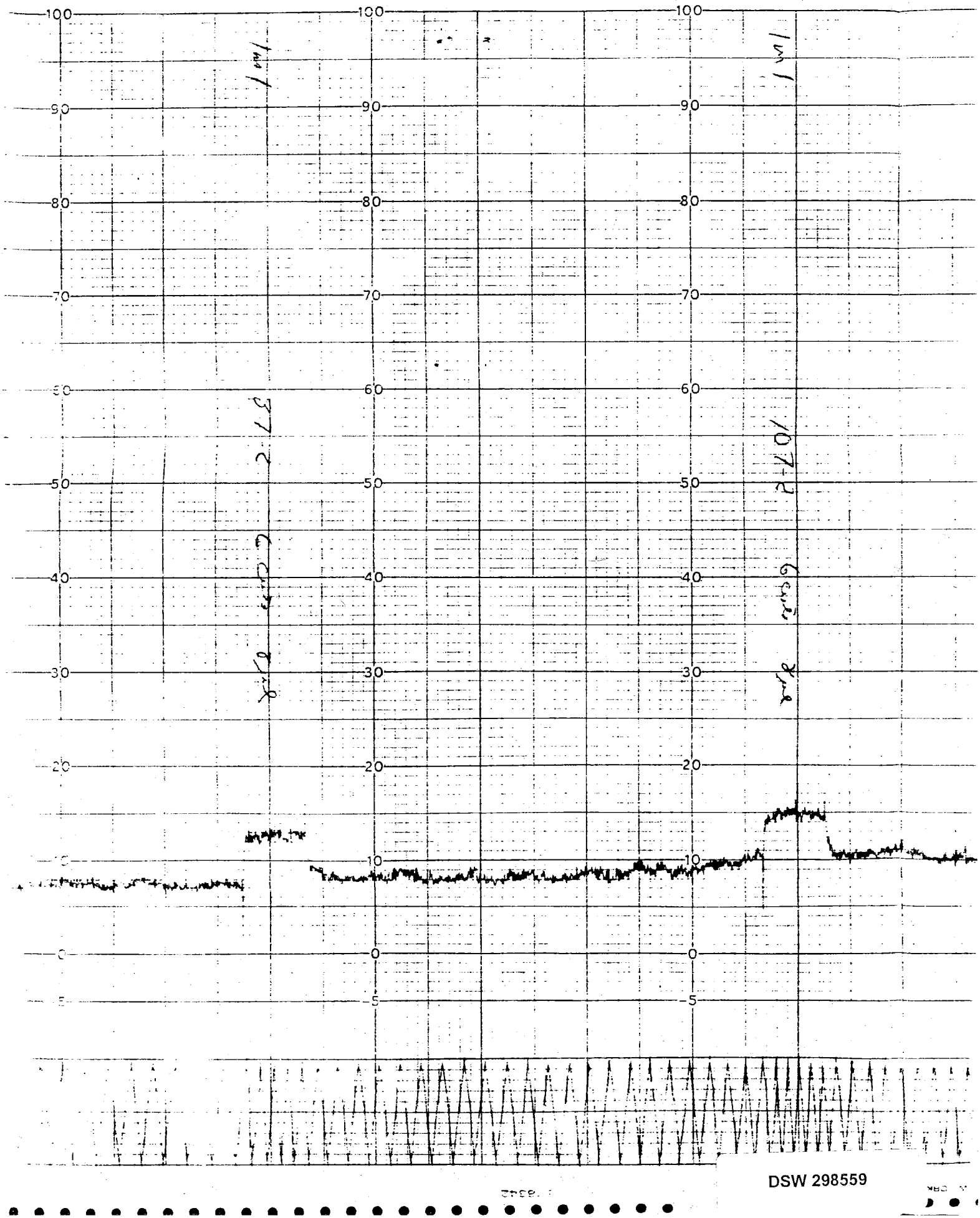
DSW 298557



RECORDING CHARTS GRAPHIC CONTROLS CORPORATION BUFFALO, NEW YORK

DSW 298558

STLCOPCB4068476



DSW 298559

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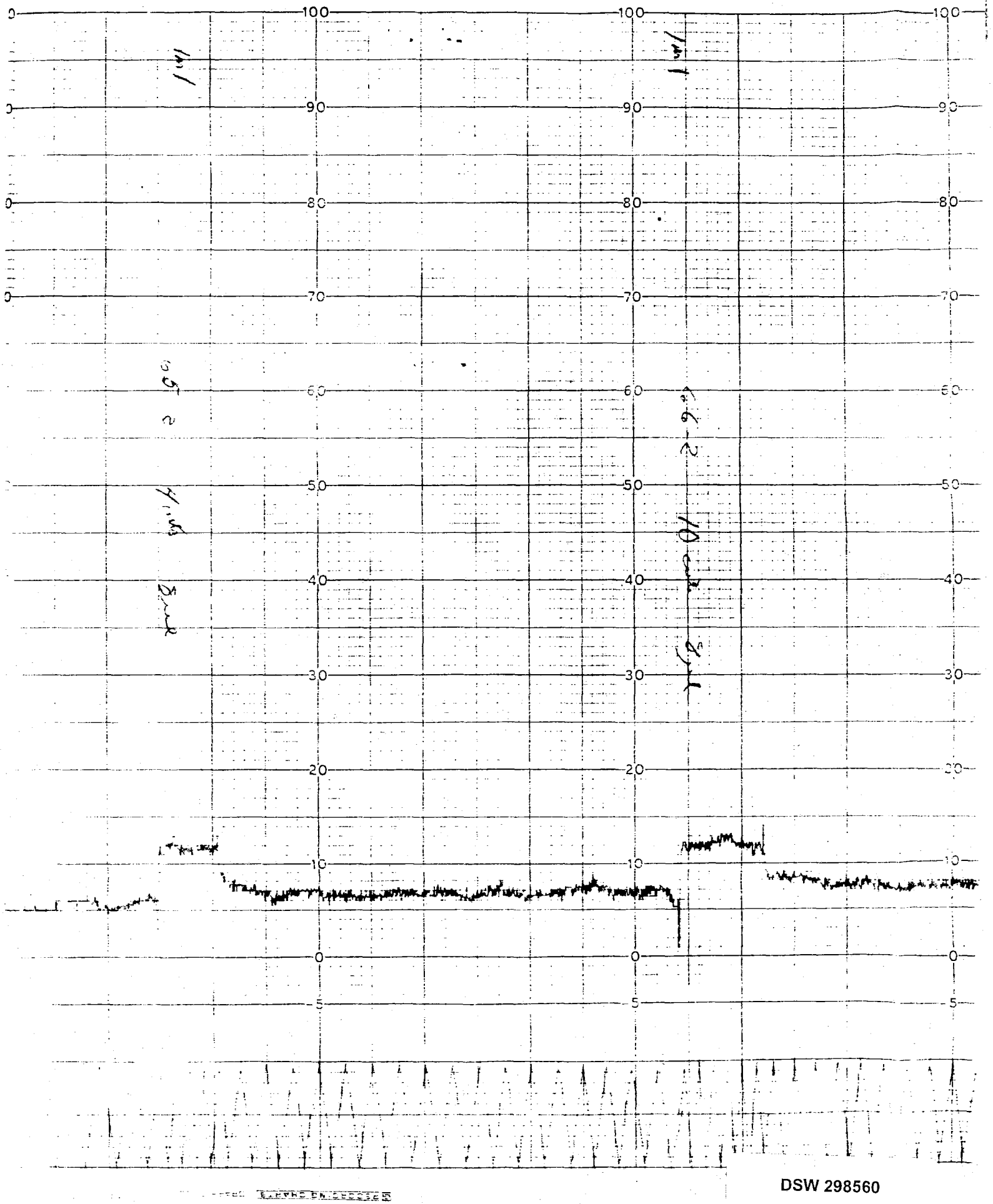
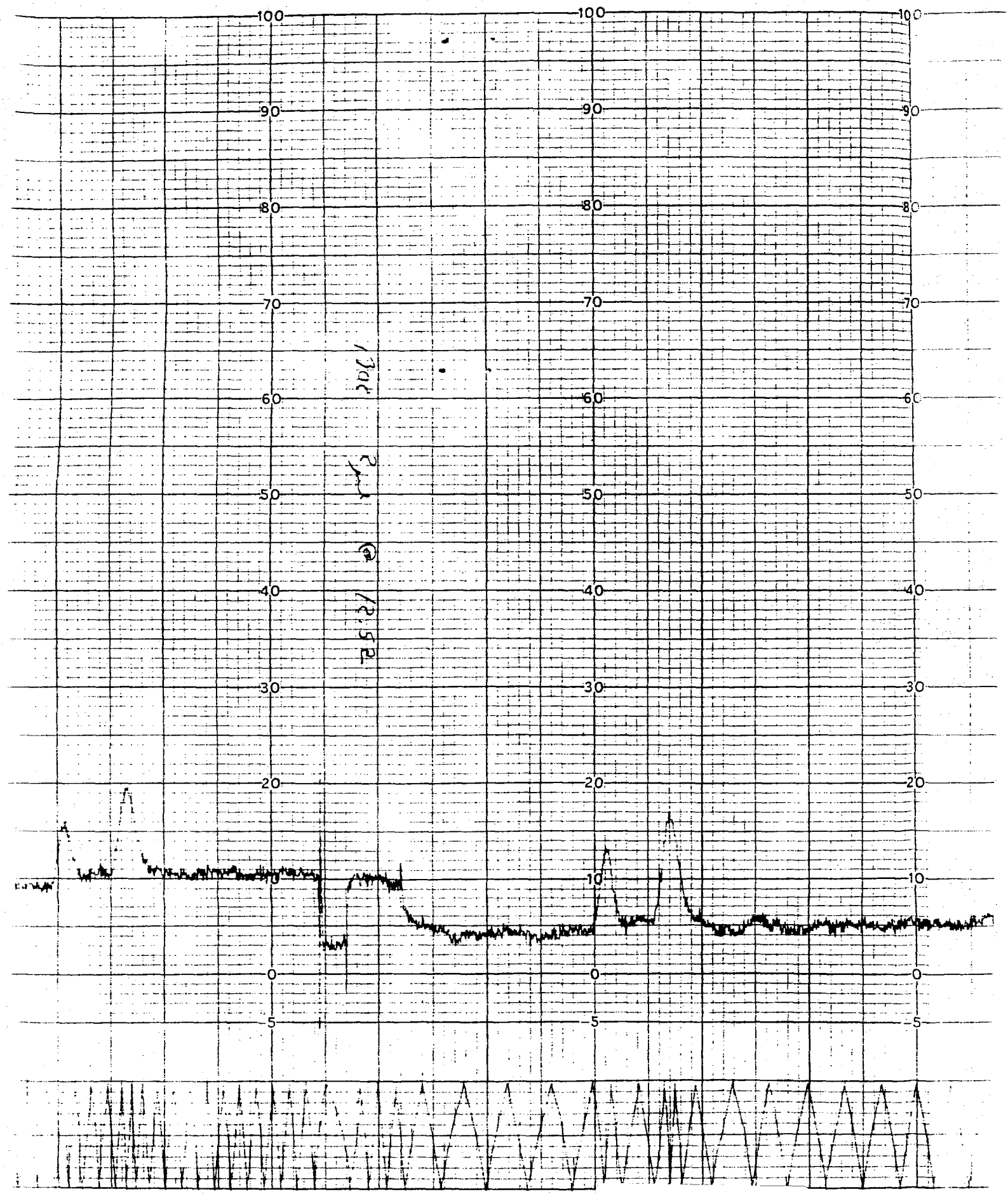
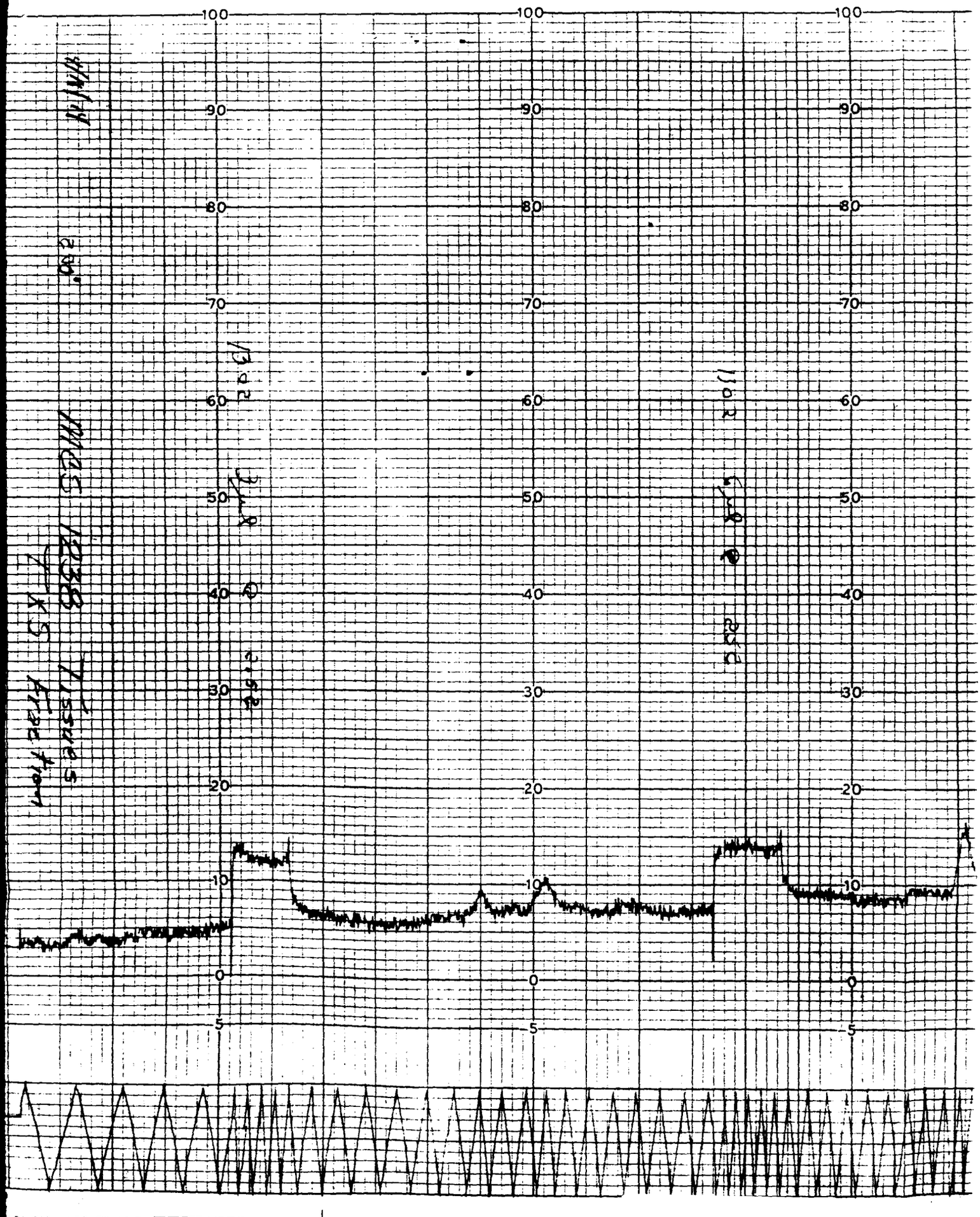


DSW 298560

STLCOPCB4068478



STLCOPCB4068479



RECORDING CHARTS GRAPHIC CONTROLS

DSW 298562

STLCOPCB4068480

TXS

148	(1623)	N.D.
160	(1489)	N.D.

DSW 298563