

Schlumberger

SCHLUMBERGER OF CANADA Calgary Alberta

**BOREHOLE COMPENSATED
SONIC LOG**

PROVINCE YUKON TERRITORIES
 FIELD CHEVRON SOBC WM E PORCUPINE
 WELL YF-18
 COMPANY CHEVRON STANDARD LIMITED

COMPANY CHEVRON STANDARD LIMITED
 WELL CHEVRON SOBC WM E PORCUPINE YF-18
 FIELD
 PROVINCE YUKON TERRITORIES
 LOCATION 66° 07' 25" N LAT 137° 48' 16" W LONG
 Permanent Datum GL Elev. 1701
 Log Measured from KB 15 Ft. Above Perm. Datum
 Other Services: FDC-GR, SNP-GR, MLC, CST, DIL
 ELEV. KB 1716
 GL 1701
 CBR

Date	22 APR 72		
Run No.	ONE		
First Reading	6722		
Last Reading	50		
Feet Measured	6672		
Depth Reached	6724		
Bottom Driller	8028		
Csg. SOC	800		
Csg. Driller	802		
Mud Nature	GEL		
Dens. Visc.	11.3	104	
Mud pH	9.5		
Water Loss	6.1		
Ret. @ BHT	3.44	72	of
Ret. @ 10'	3.37	64	of
Ret. @ 20'	3.54	55	of
Bit Size	8 3/4"		
Spool	2	2'	
Oper. Rig Time	12 HRS		
Truck No.	OSU-C 108 REM		
Recorded By	NICKERSON		
Witness	POLLARD		

17 MAY 72 CAL CT
 REMARKS Drilling Stopped 1000 / 21st ; Circulation Stopped 0500 / 22nd ; Tool on Bottom 1130 / 23rd ; 1st Run Service Order # 3432 B.H.T. 128 of

Caliper No. D 856
 Cartridge No. A 31
 Panel No. GA 146
 Sonde No. D 230
 Centralizer Type VCD & BUMPER
 SGH 57

GAMMA RAY CALIBRATION:
 Background CPS. 24 Test Source CPS. 420 Galv. Increase Divisions 10.0 Panel Sens. Tap for Cal. PGP-EA CAL

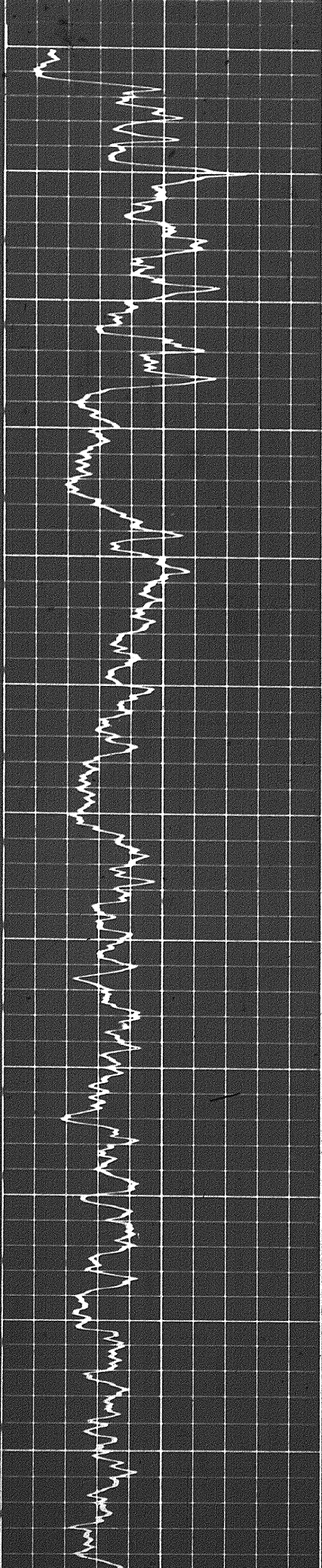
GAMMA RAY API UNITS	DEPTHS	SONIC INTERVAL TRANSIT TIME microseconds per foot
Sens. 150 T.C. 2 Zero 0 div. to left		140 90 40
GR RECORDED 1' DEEP		240 190 140
CALIPER hole diameter in inches		SCALE CHANGE = 5800
6 7 8 9 10 11 12 13 14		

1 of

CALIPER

hole diameter in inches

6 7 8 9 10 11 12 13 14



0100

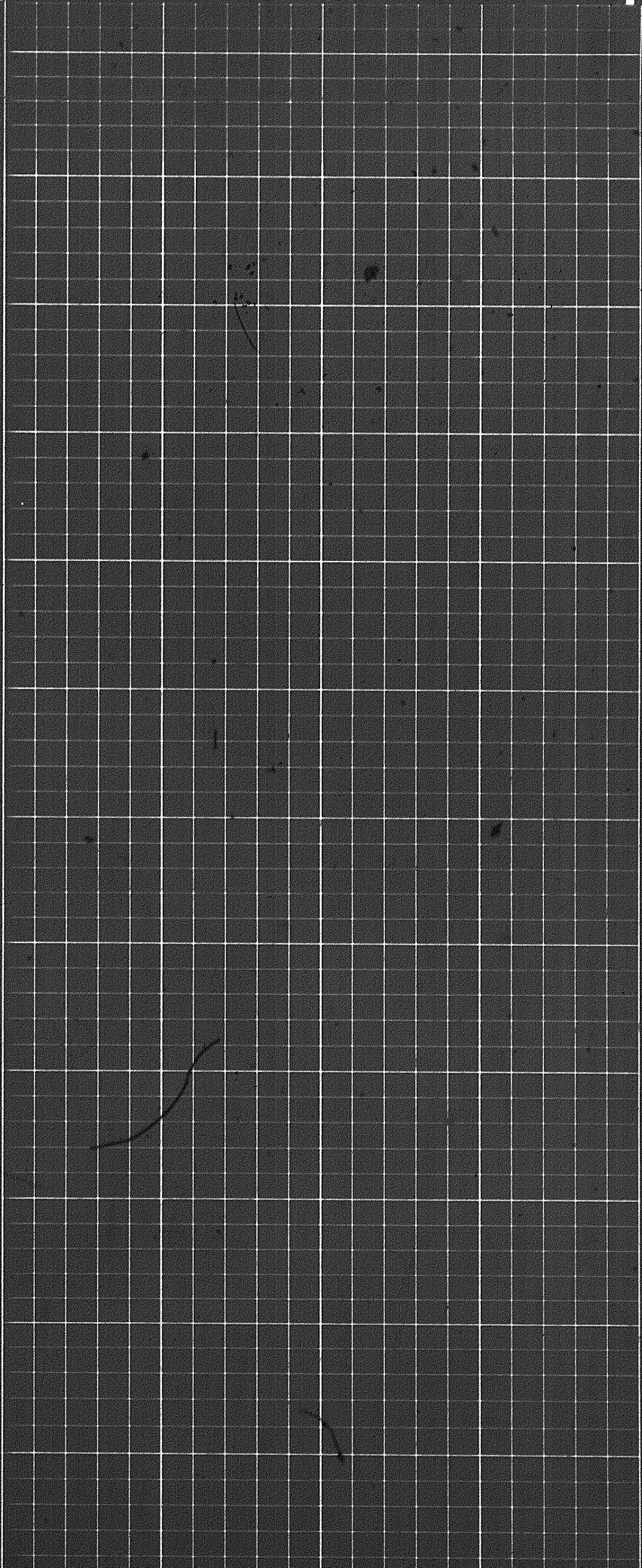
0200

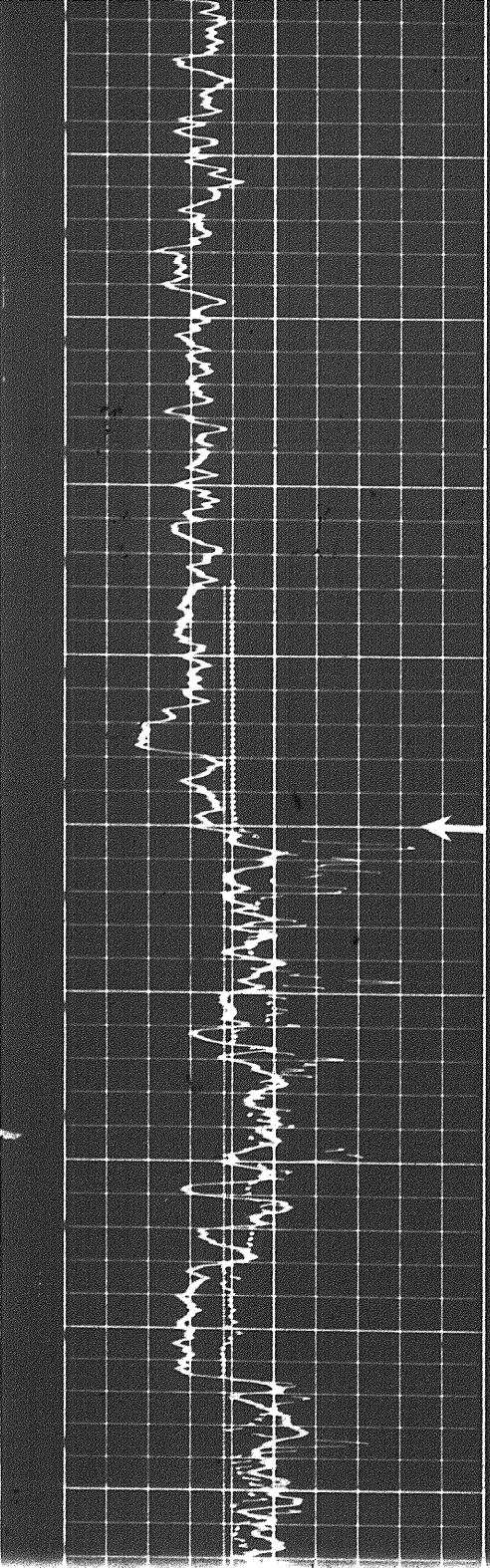
0300

0400

0500

0600





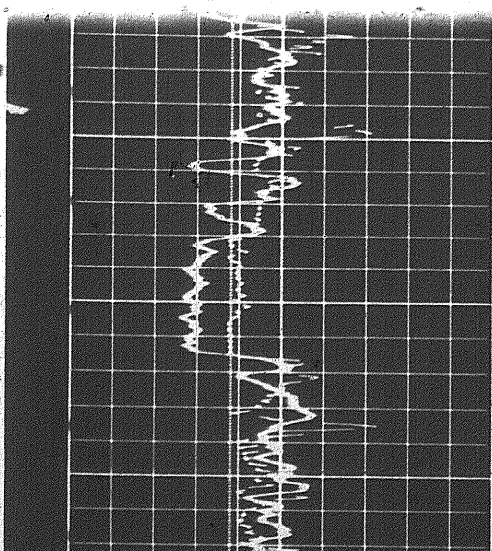
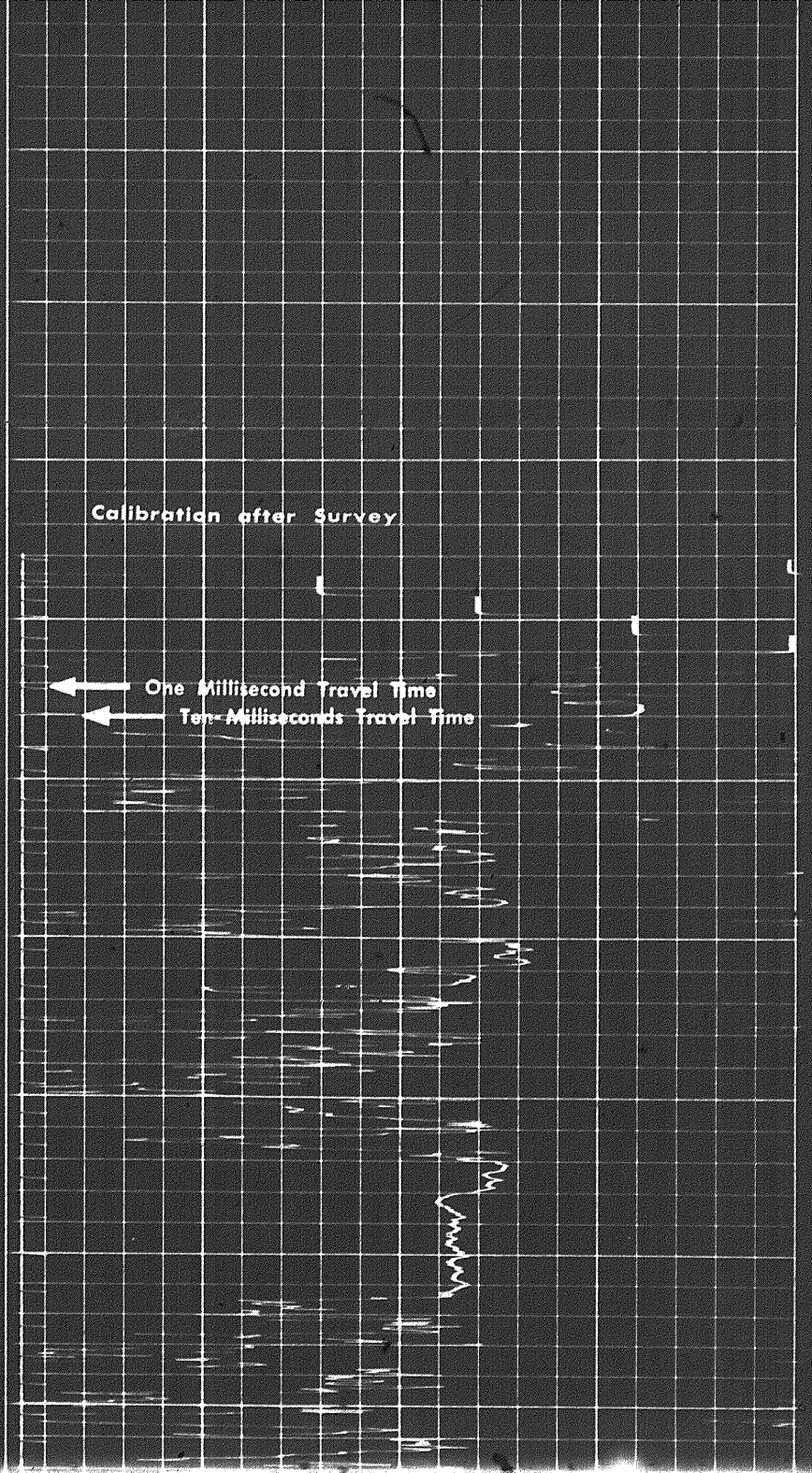
0090

0700

0080
Case

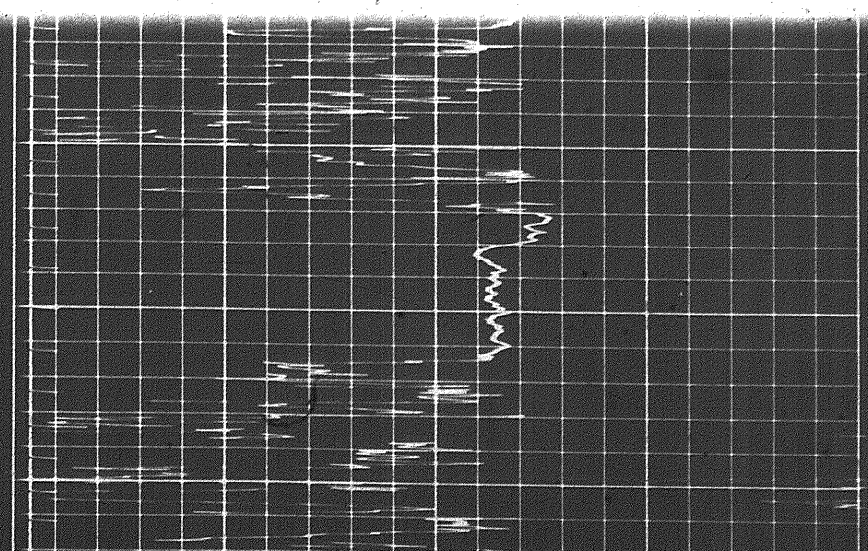
0060

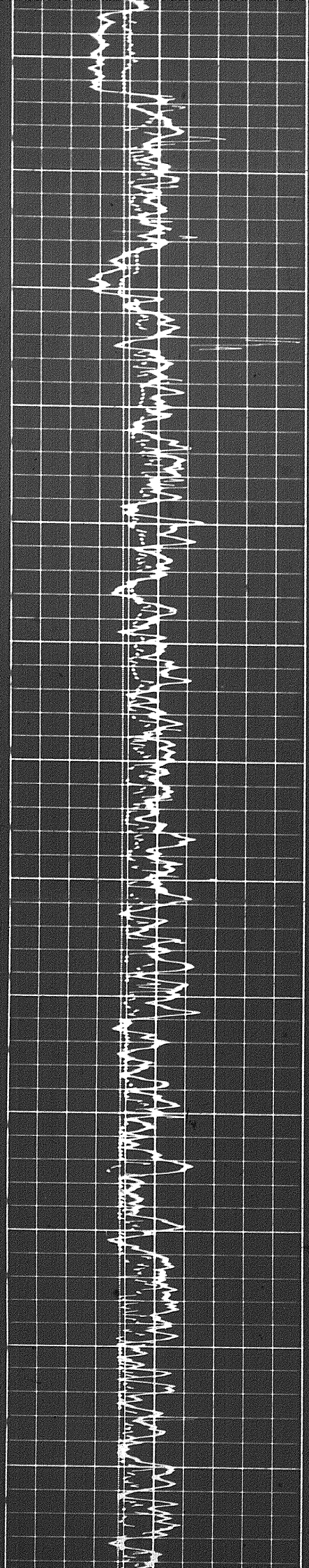
0001



0060

0001





1000

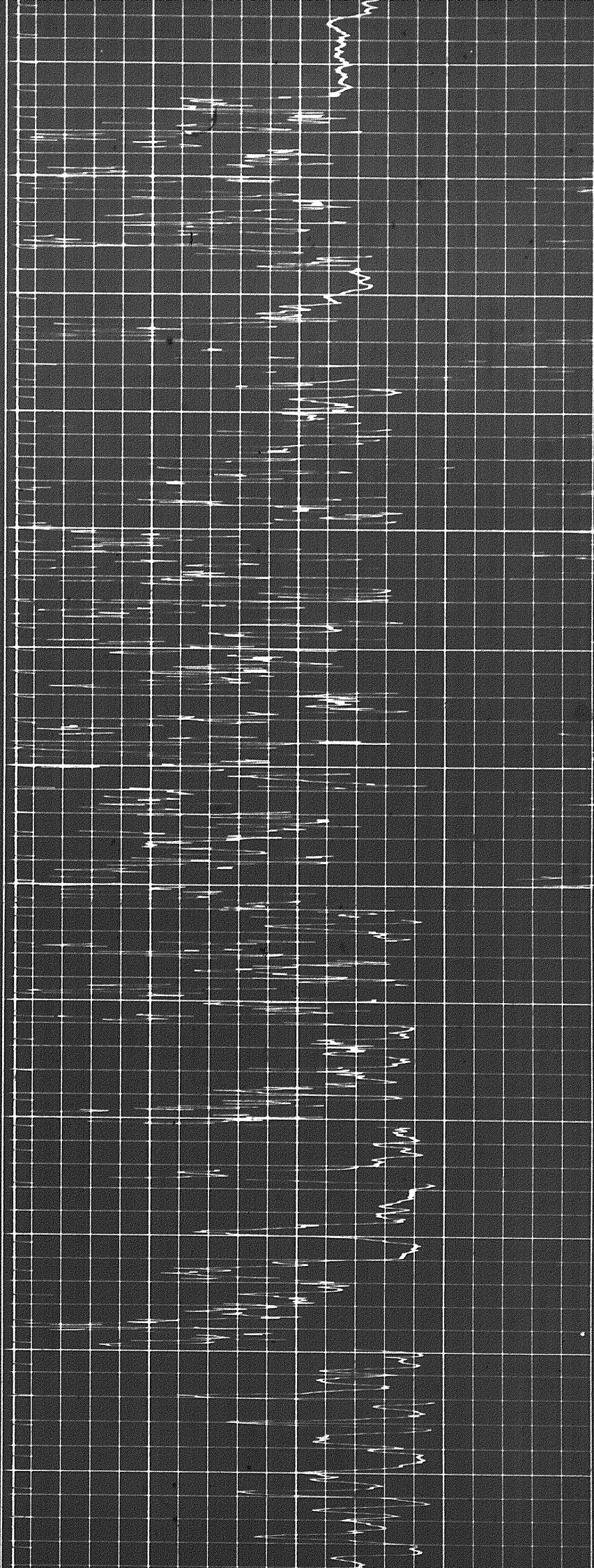
1100

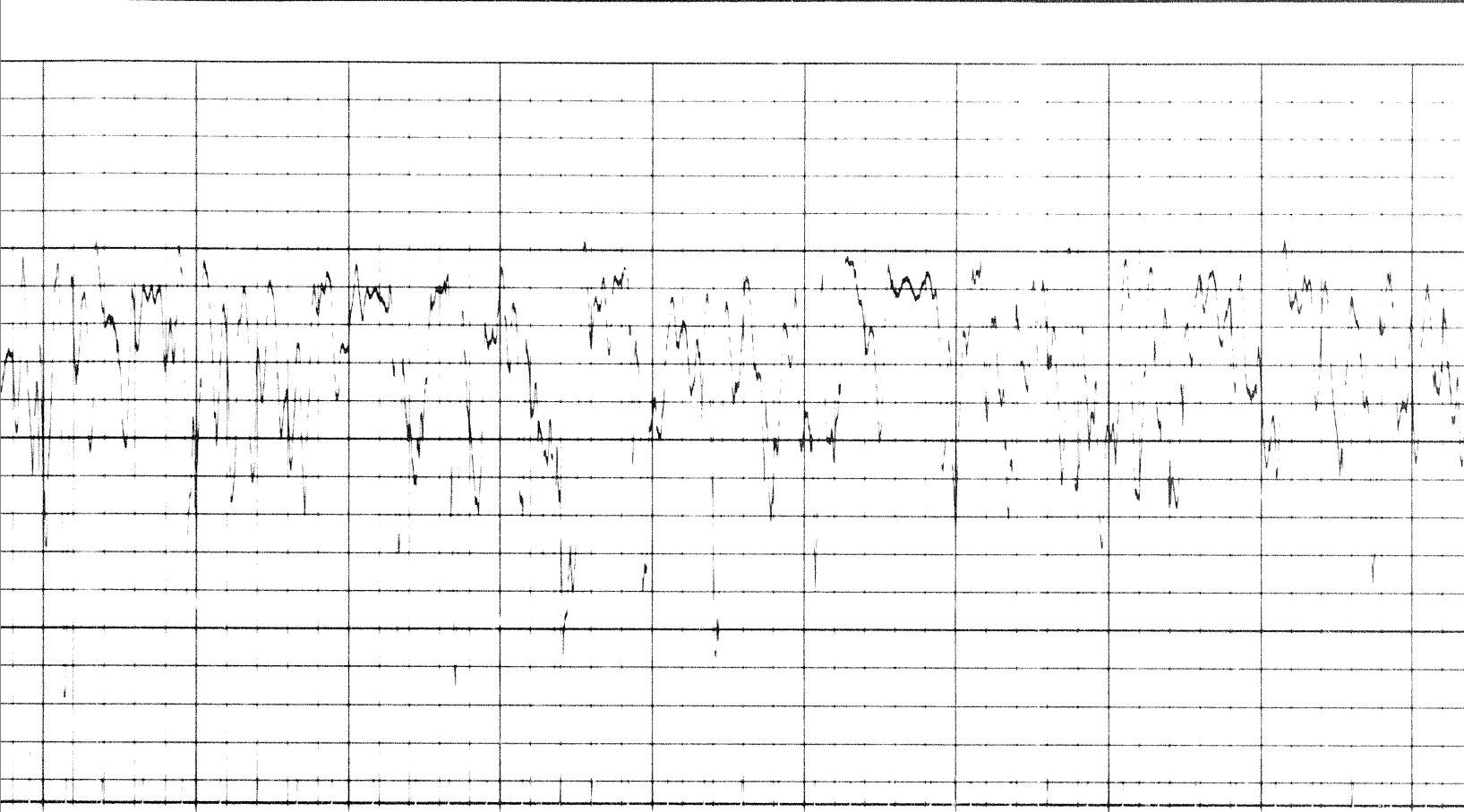
1200

1300

1400

1500





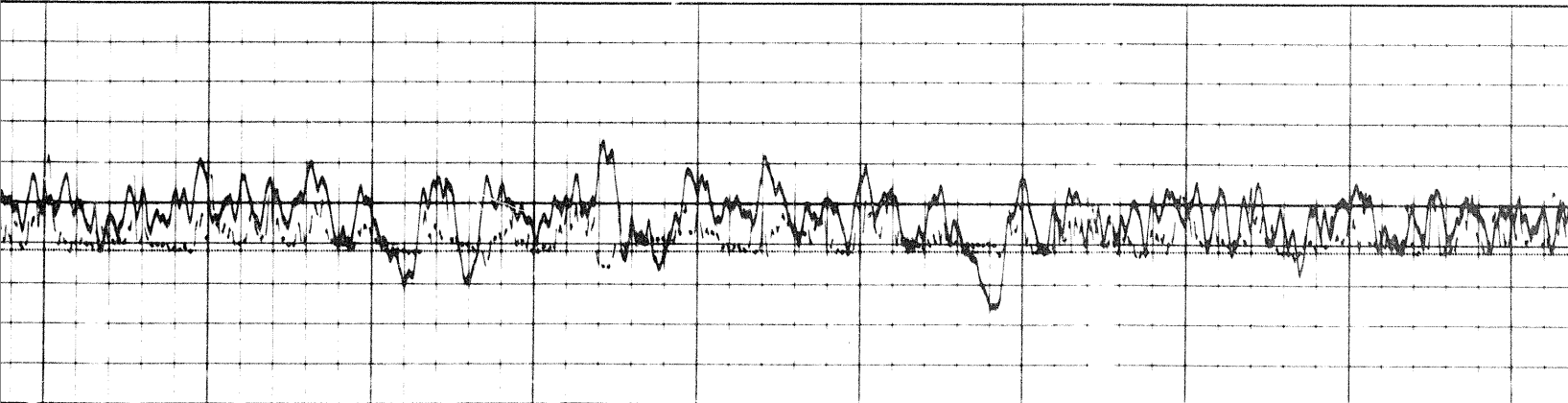
1600

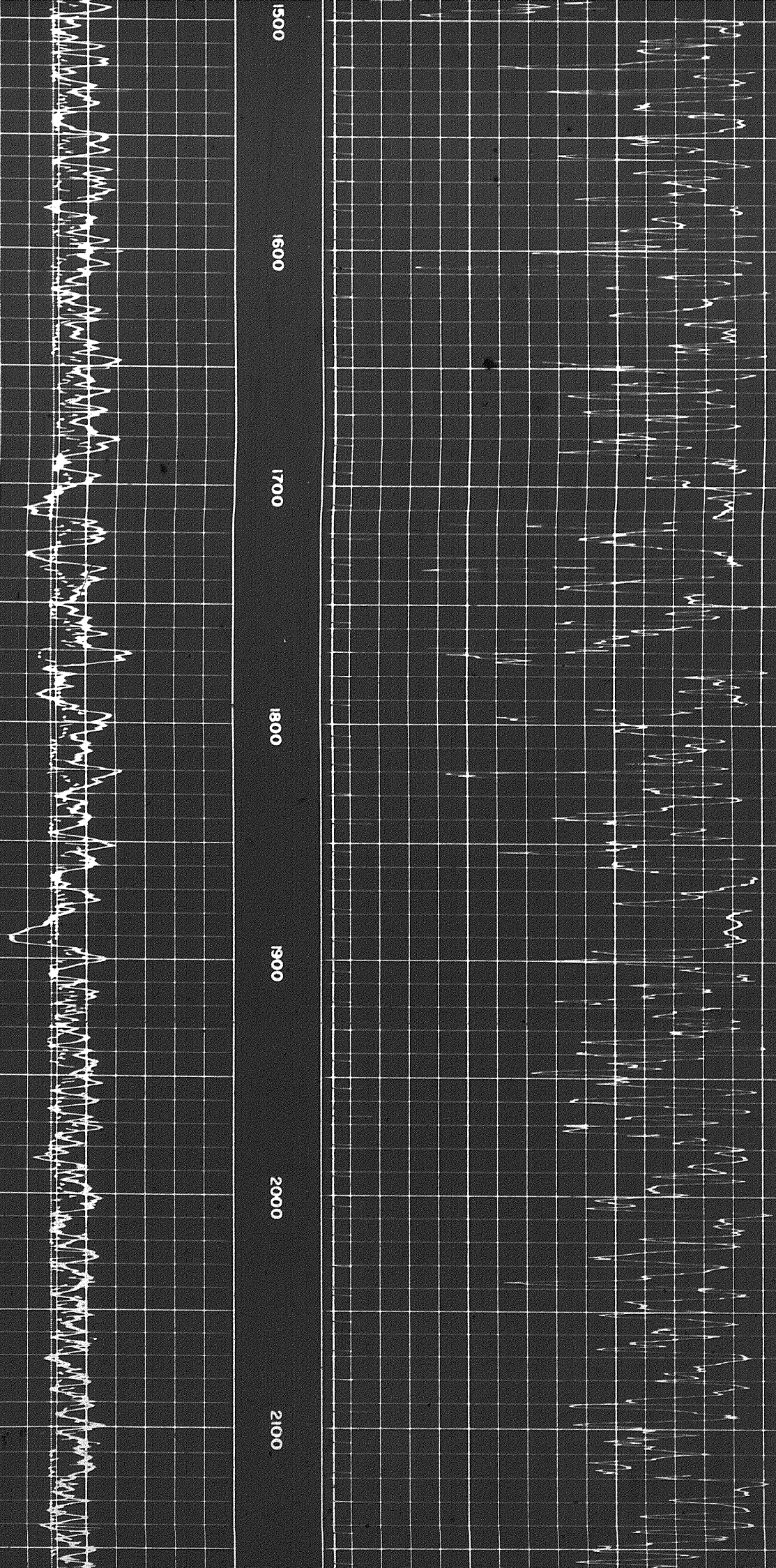
1700

1800

1900

2000





1500

1600

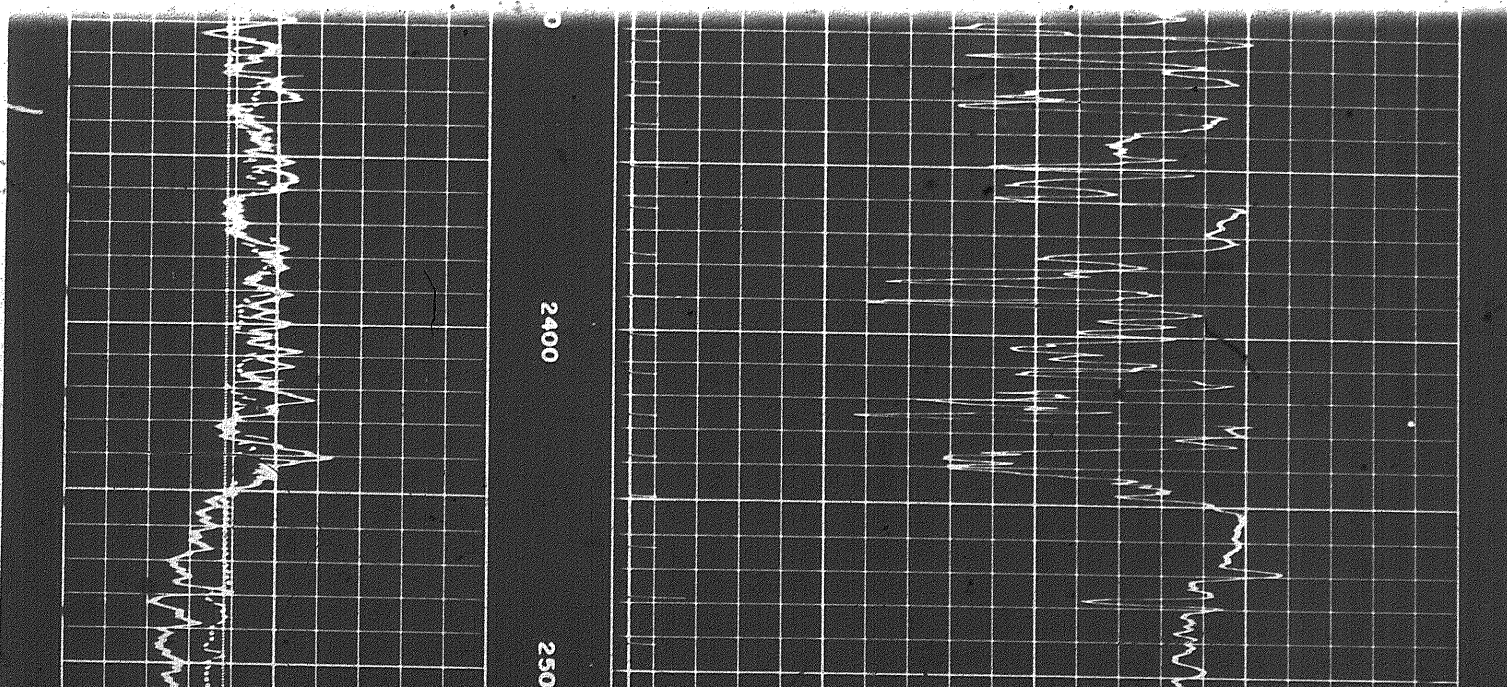
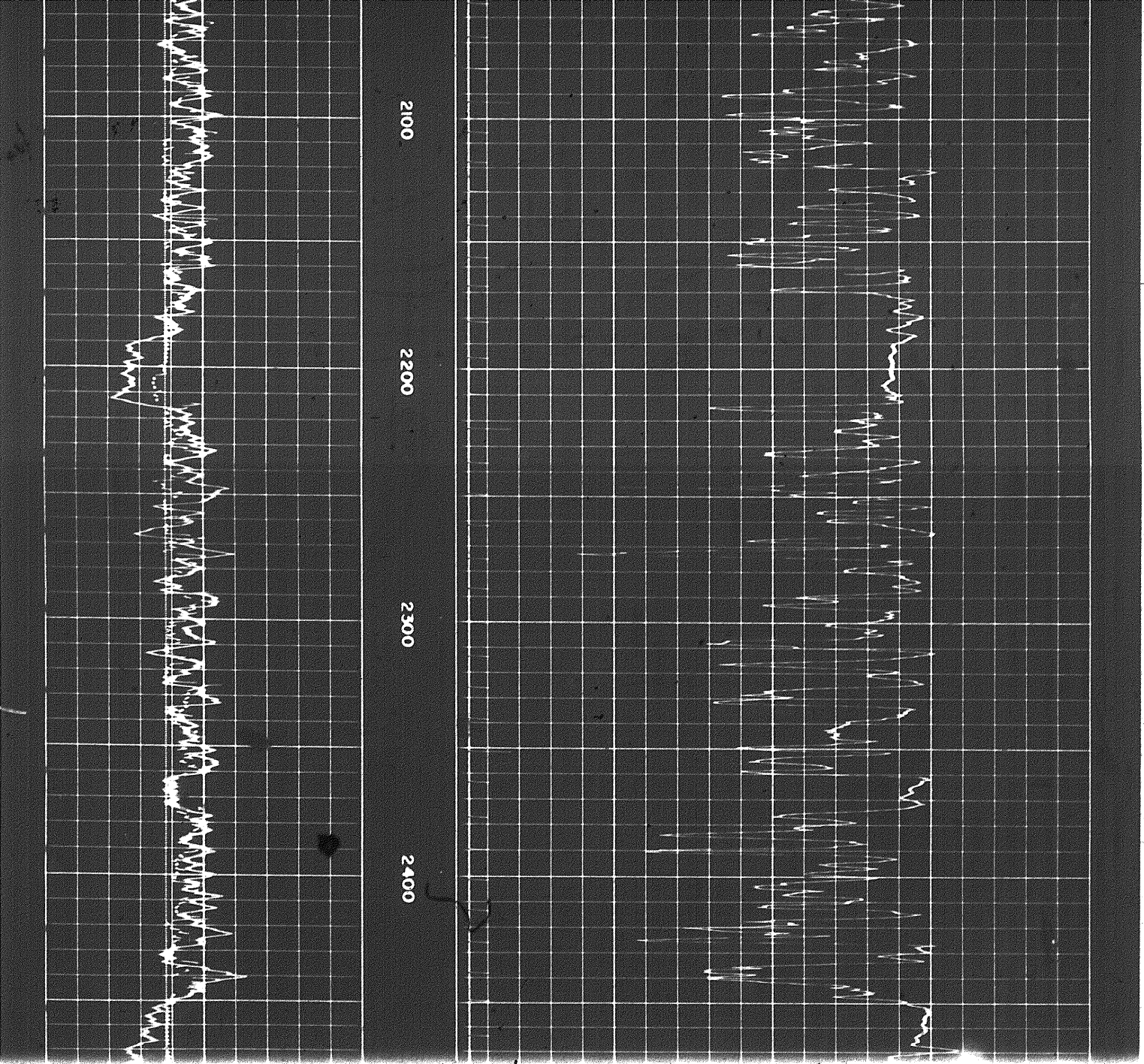
1700

1800

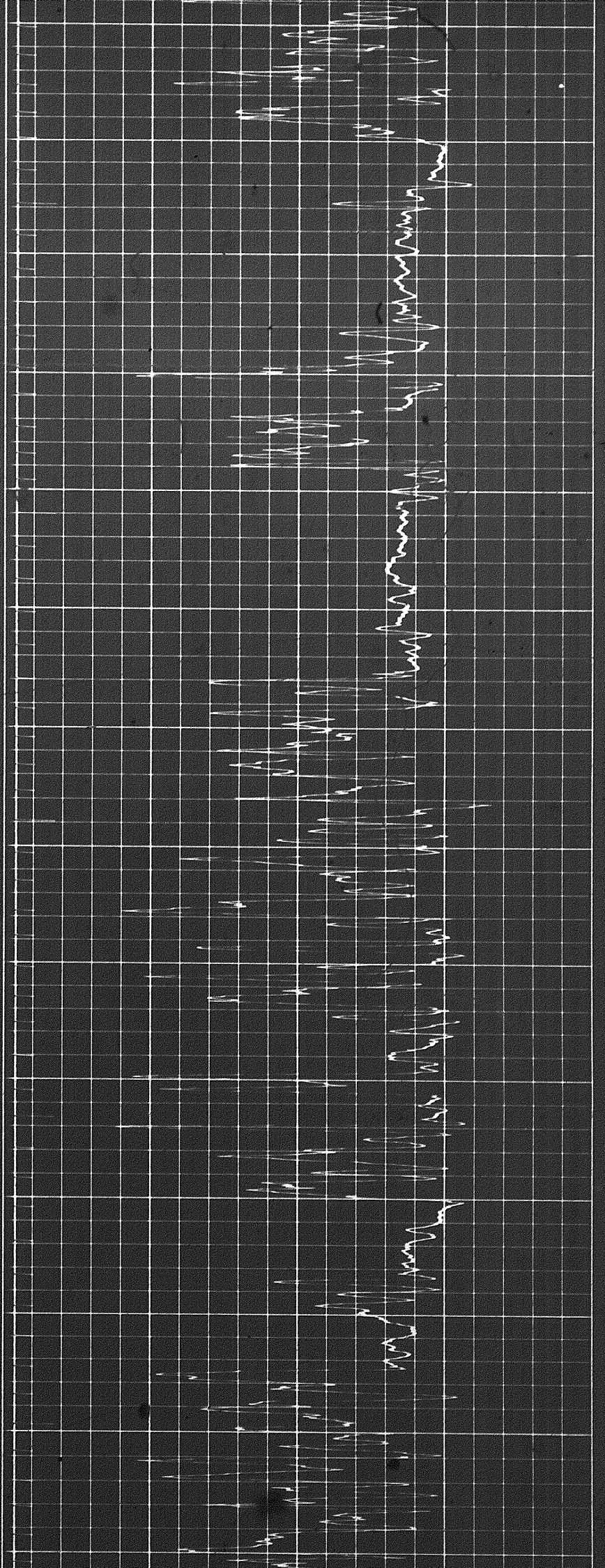
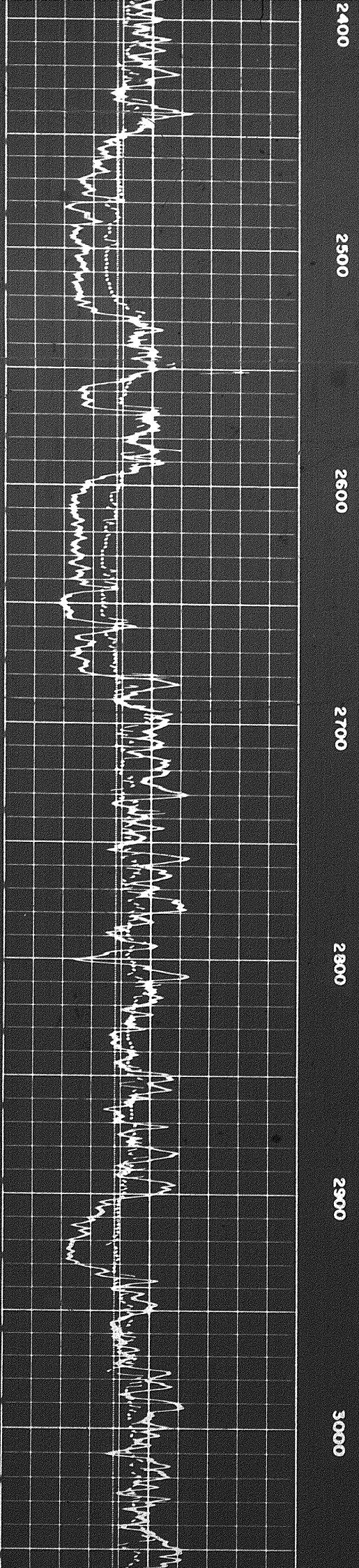
1900

2000

2100



30



2400

2500

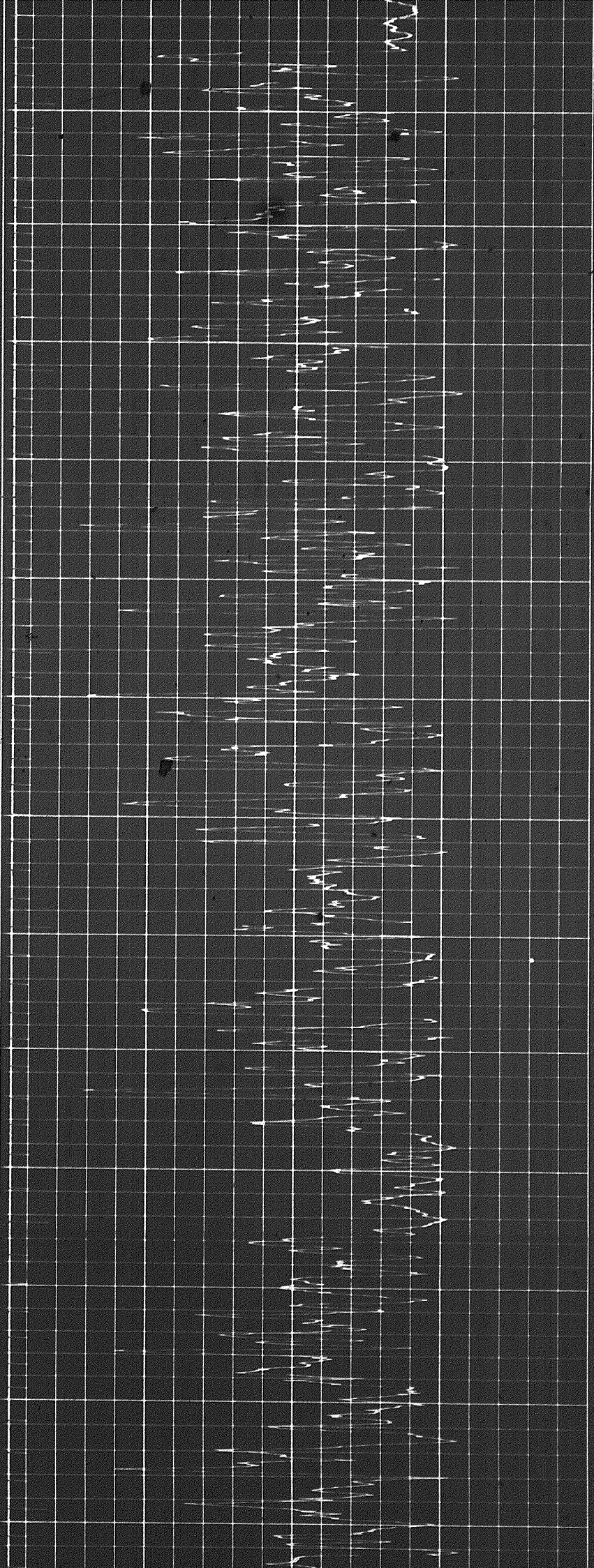
2600

2700

2800

2900

3000



3000

3100

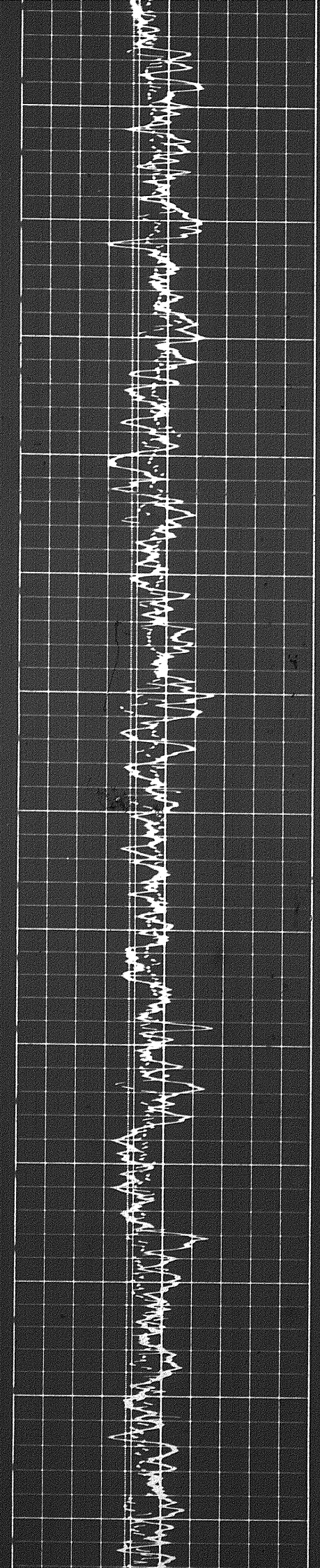
3200

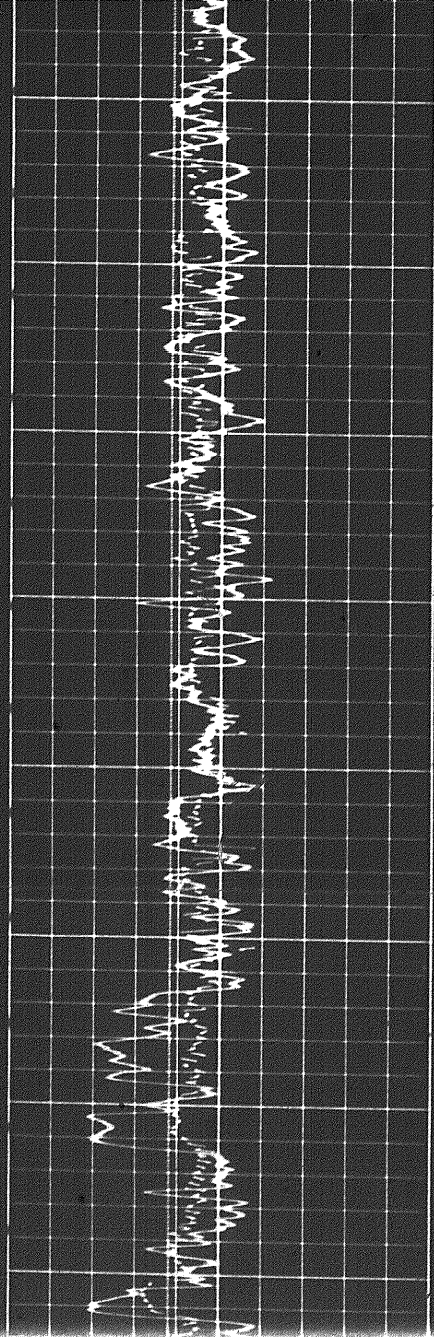
3300

3400

3500

3600



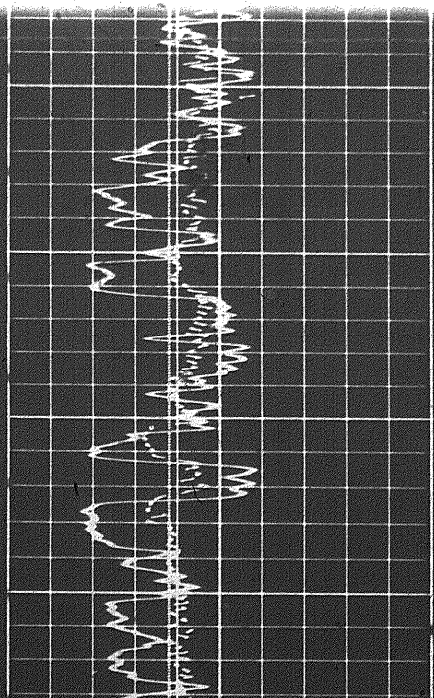
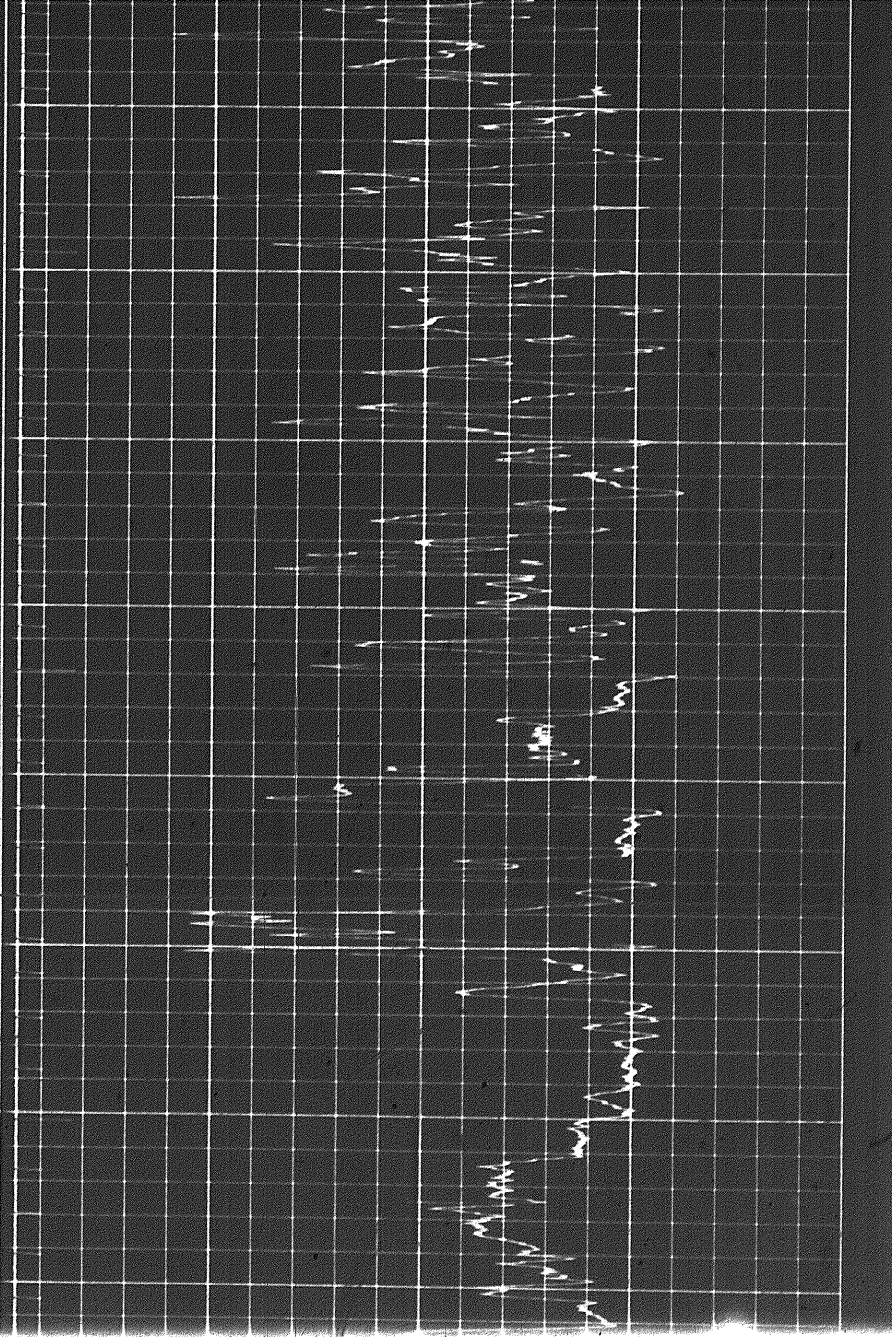


3600

3700

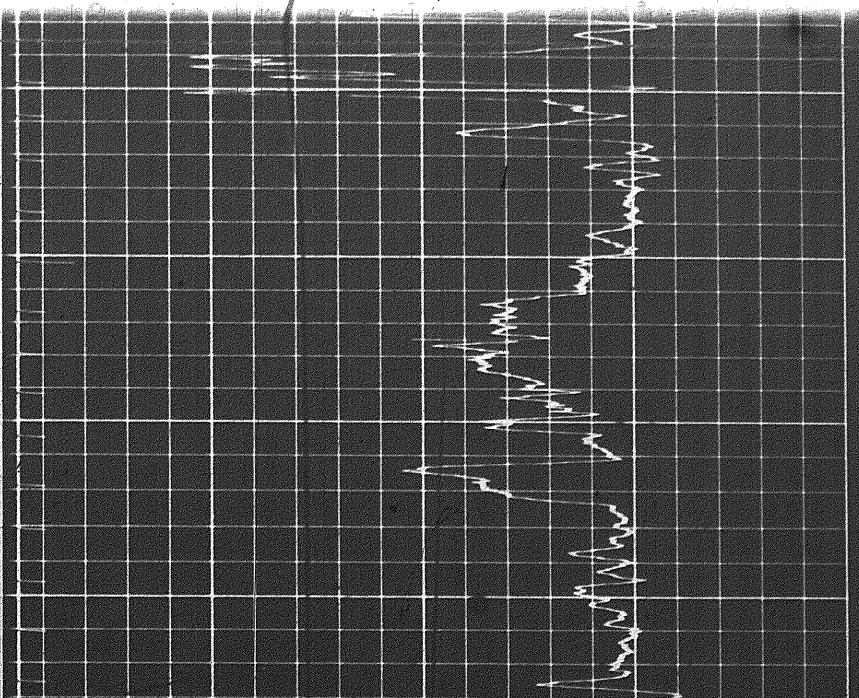
3800

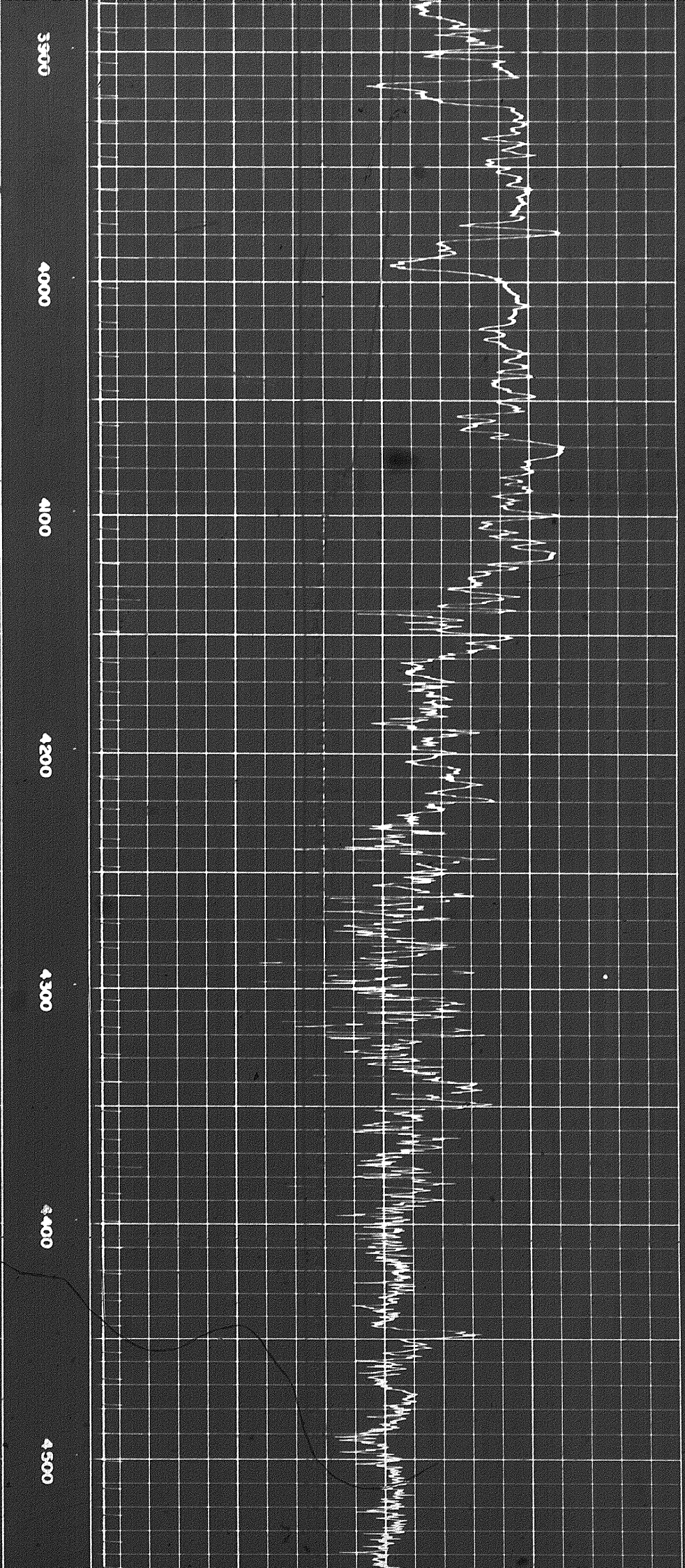
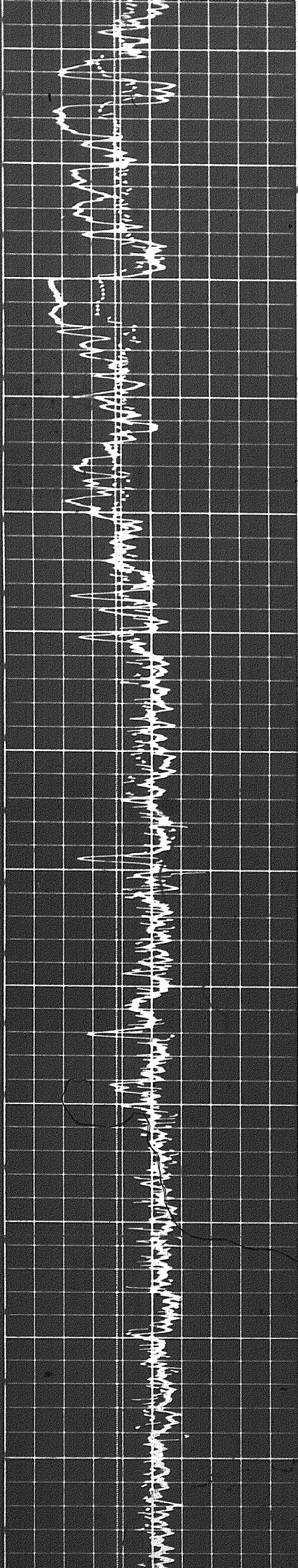
3900



3800

3900





4500

4600

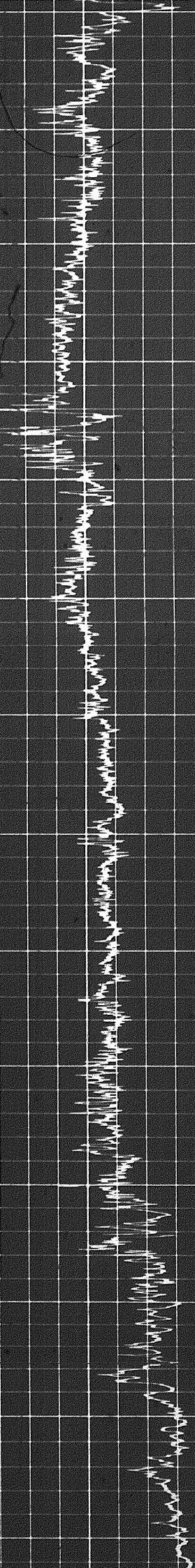
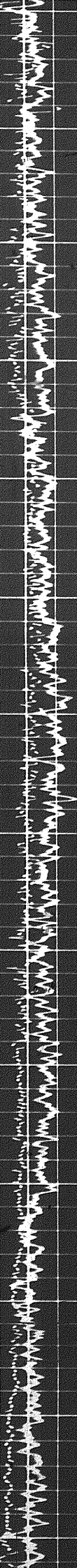
4700

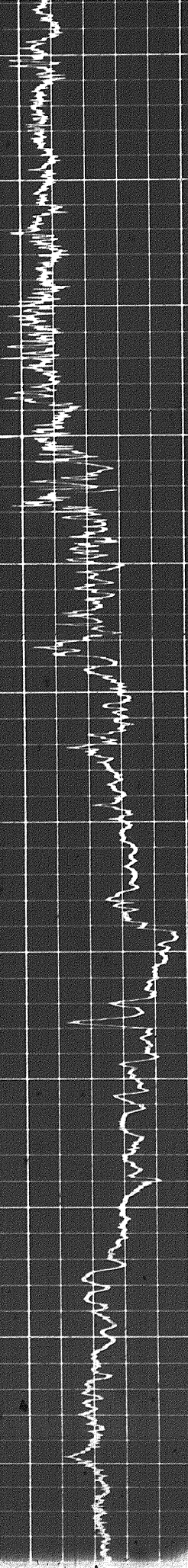
4800

4900

5000

5100





4800

4900

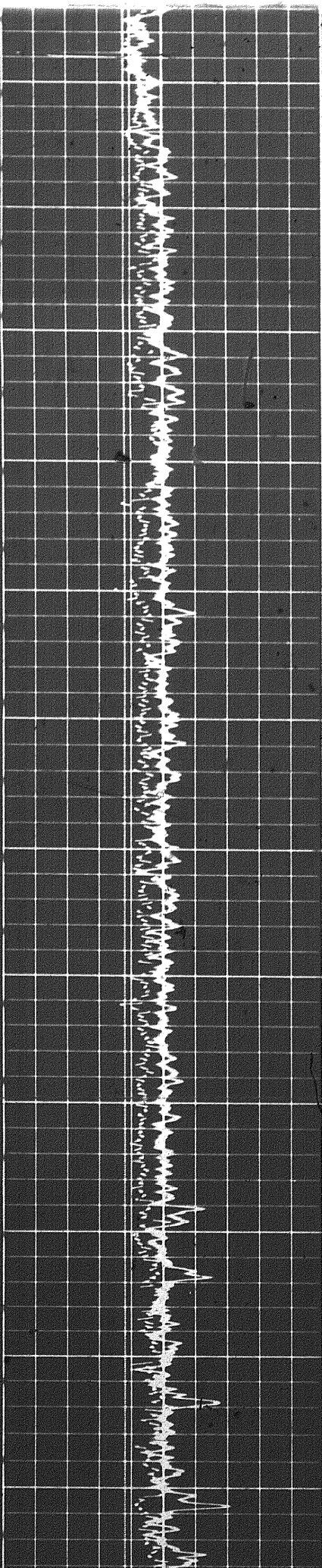
5000

5100

5200

5300

703



5300

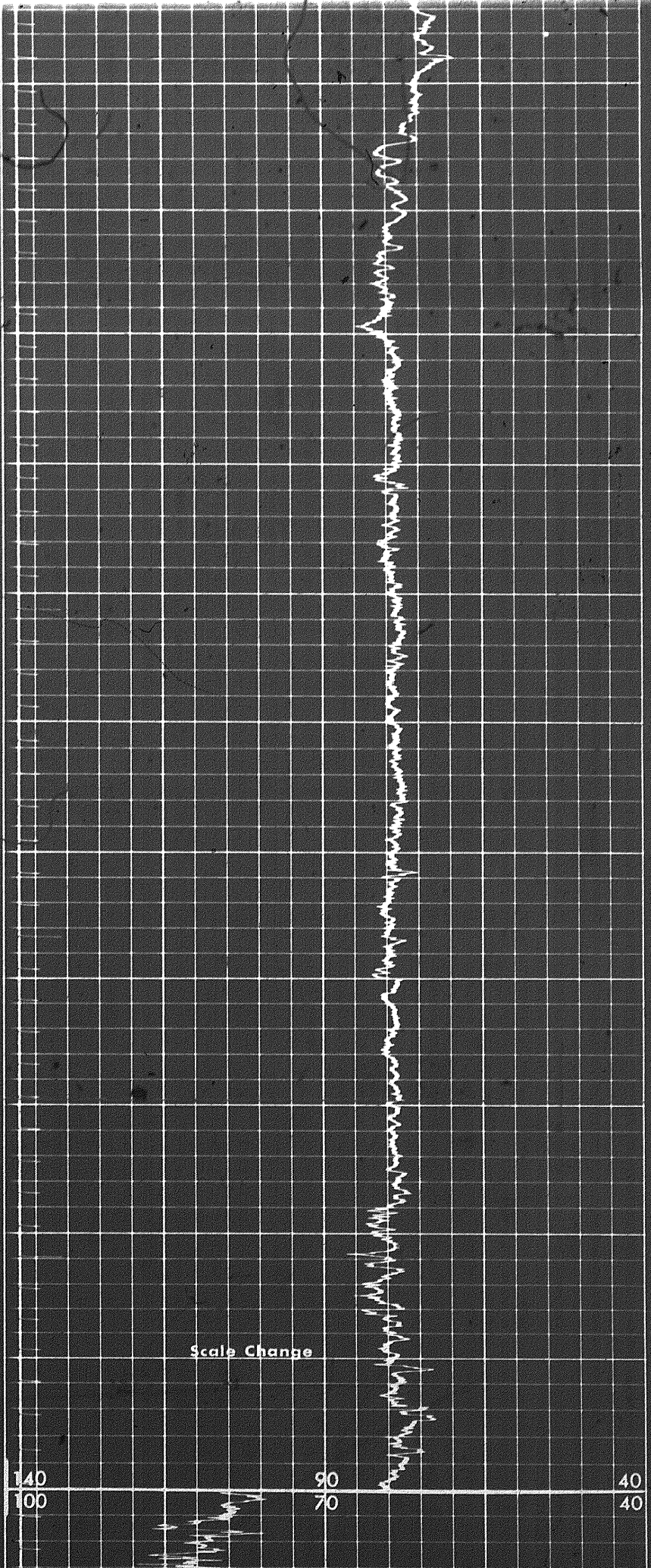
5400

5500

5600

5700

5800



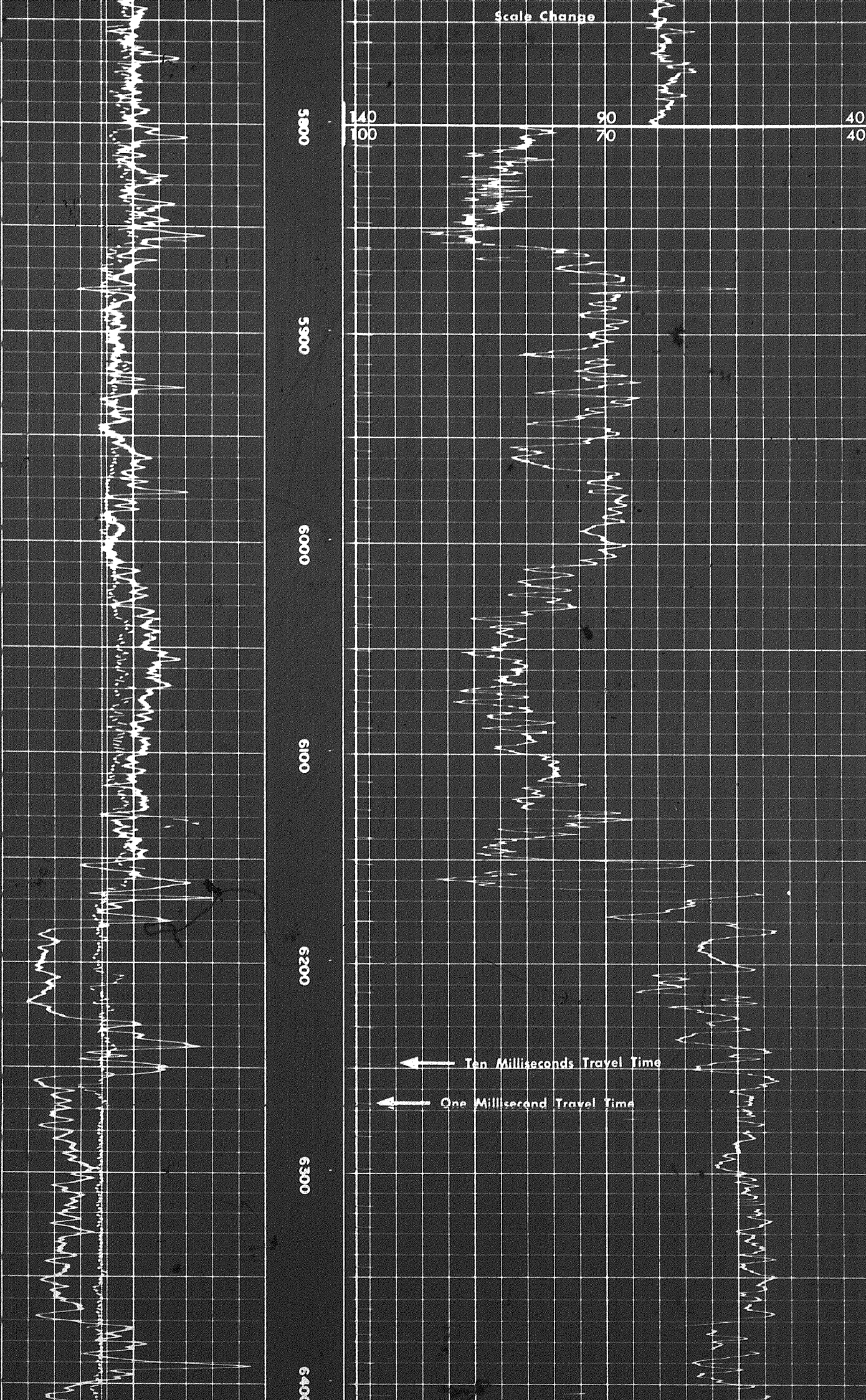
Scale Change

140
100

90
70

40
40

7a



Scale Change

5800

140
100

90
70

40
40

5900

6000

6100

6200

6300

6400

← Ten Milliseconds Travel Time

← One Millisecond Travel Time

00

6479

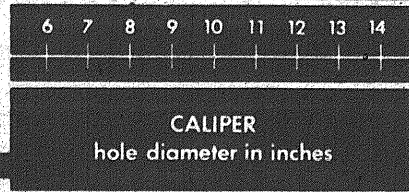
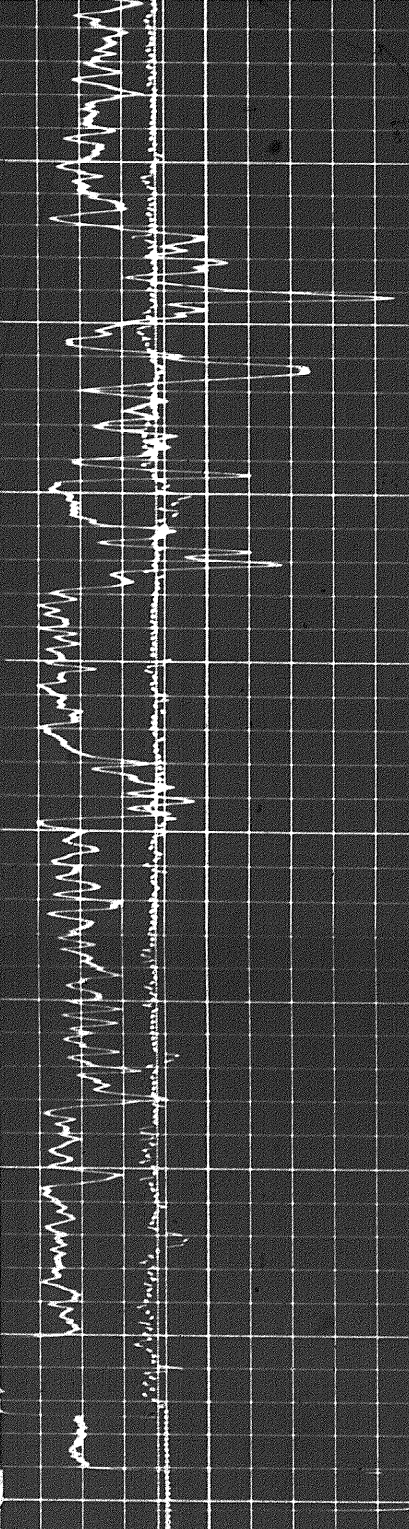
0069

0099

0019

FR

Calibration before Survey

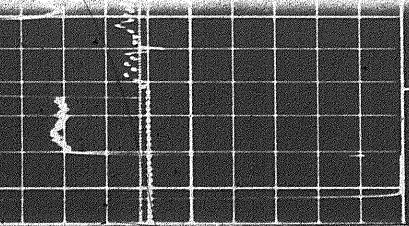


Sens. 150 T.C. 2

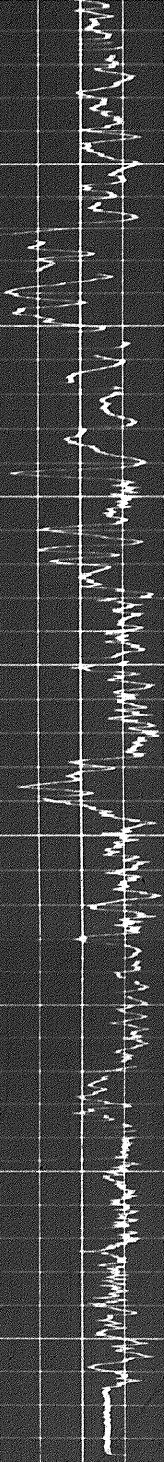
0019

FR

Calibration before Survey



Sens. 150 T.C. 2



700
FR

Calibration before Survey

6 7 8 9 10 11 12 13 14

CALIPER
hole diameter in inches

Sens. 150 T.C. 2
Zero 0 div. to left

0 150 150 300

Speed in FPM

160 130 100
100 70 40

GAMMA RAY
API UNITS

DEPTH

SONIC
INTERVAL TRANSIT TIME
microseconds per foot

DETAIL LOG
5' = 100'

GAMMA RAY
API UNITS

DEPTH

SONIC
INTERVAL TRANSIT TIME
microseconds per foot

Sens. 150 T.C. 2
Zero 0 div. to left

0 150 150 300

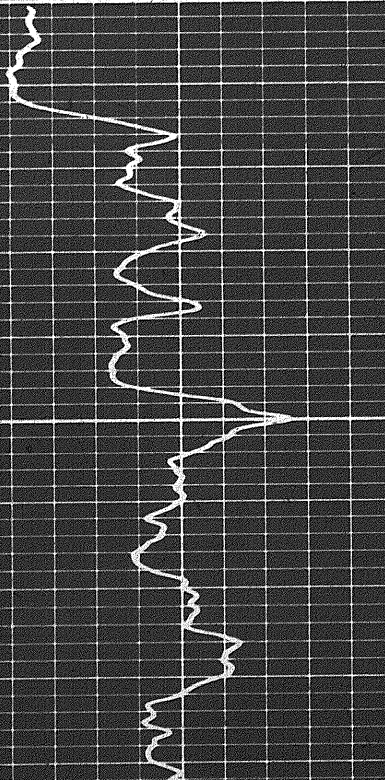
Speed in FPM

140 90 40
240 190 140

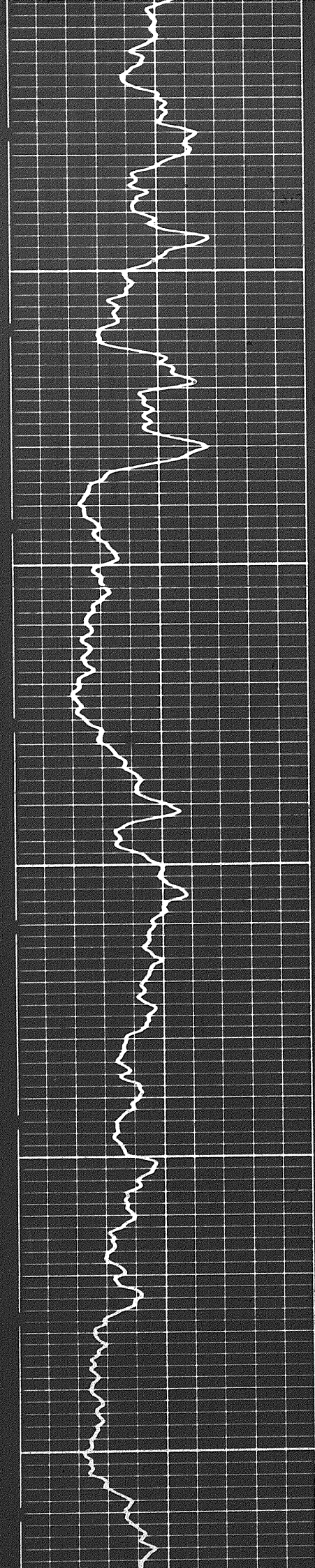
CALIPER
hole diameter in inches

6 7 8 9 10 11 12 13 14

0100

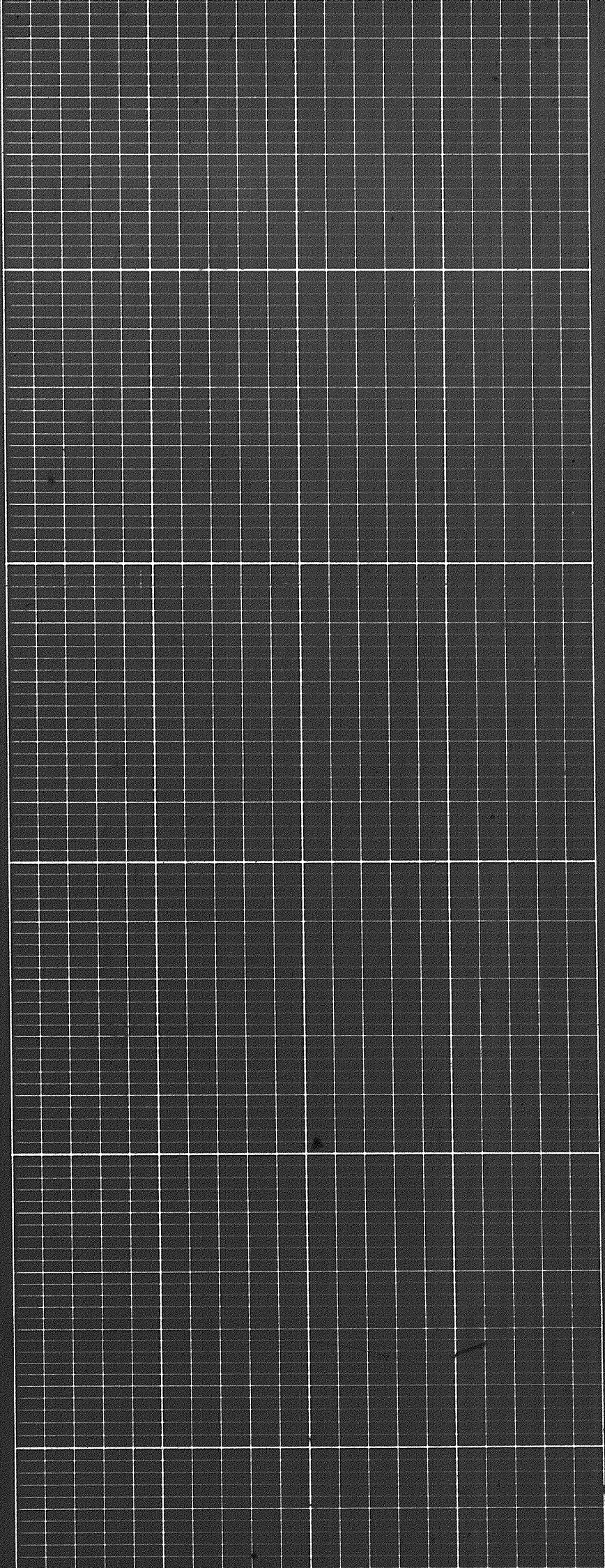


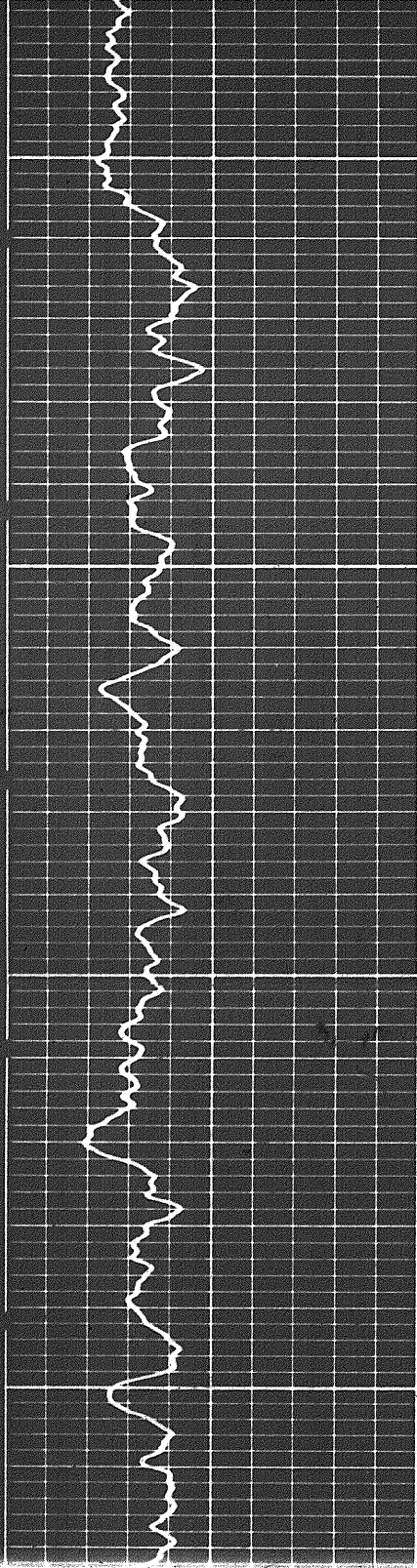
7



0200

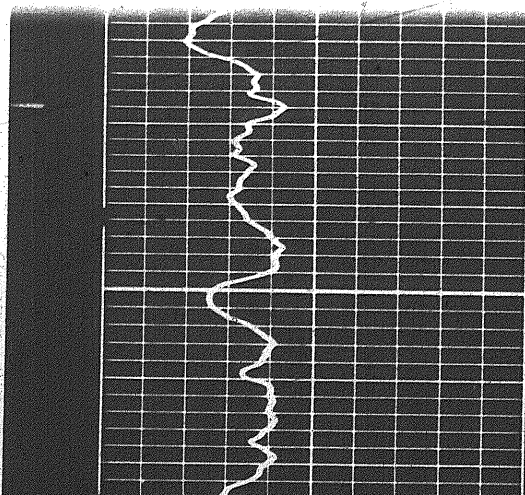
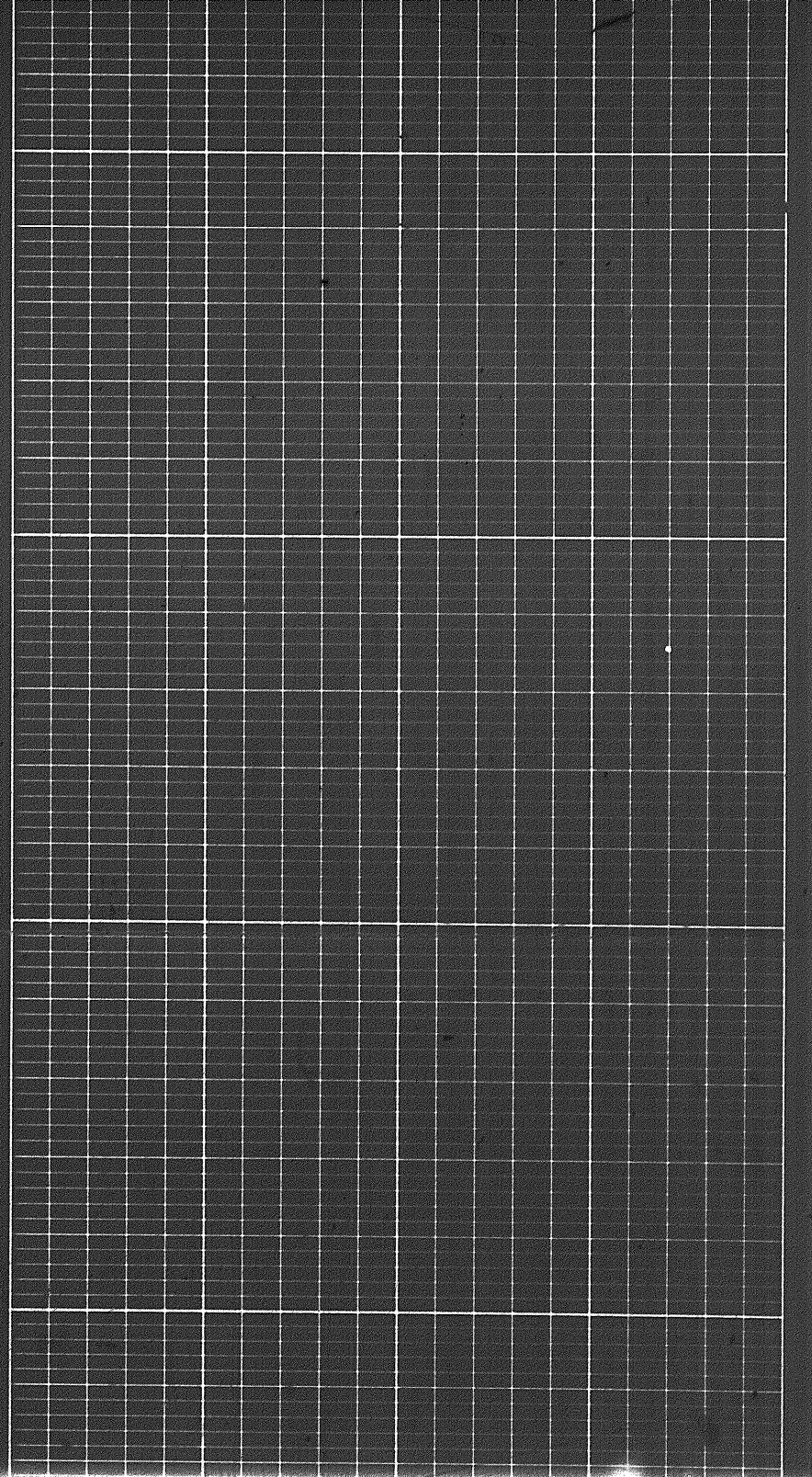
0300



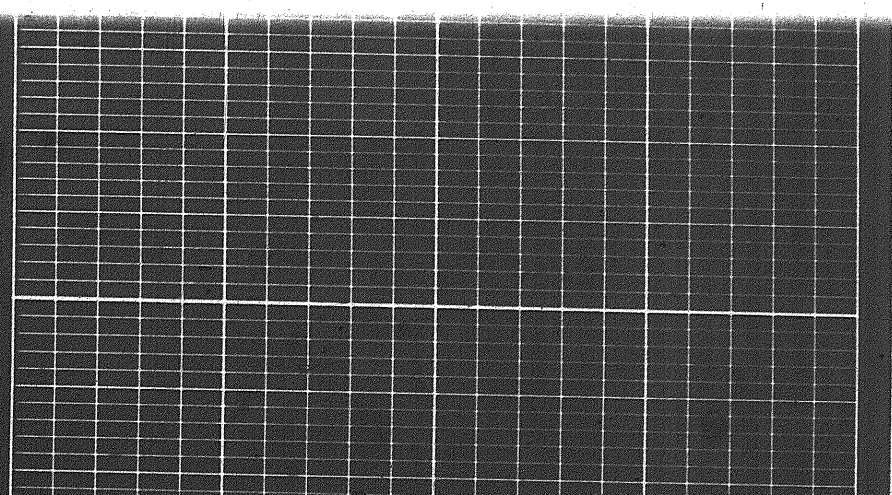


0400

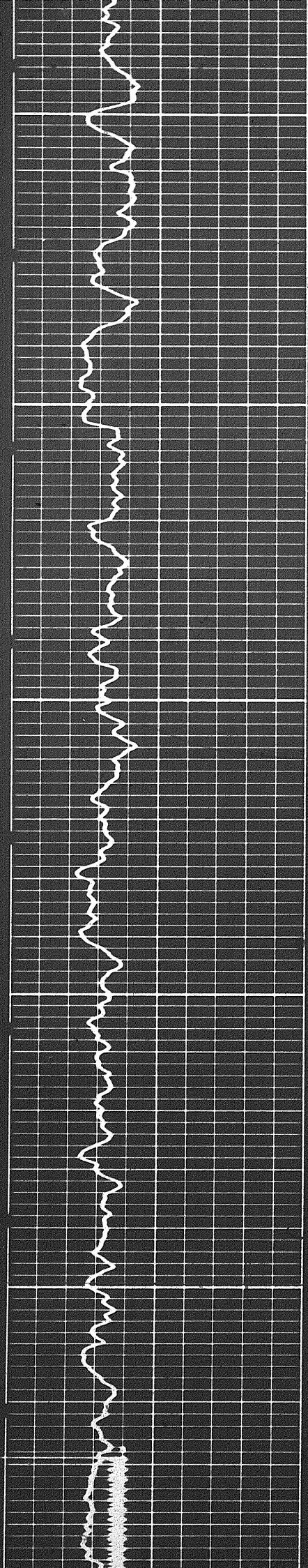
0500



0500



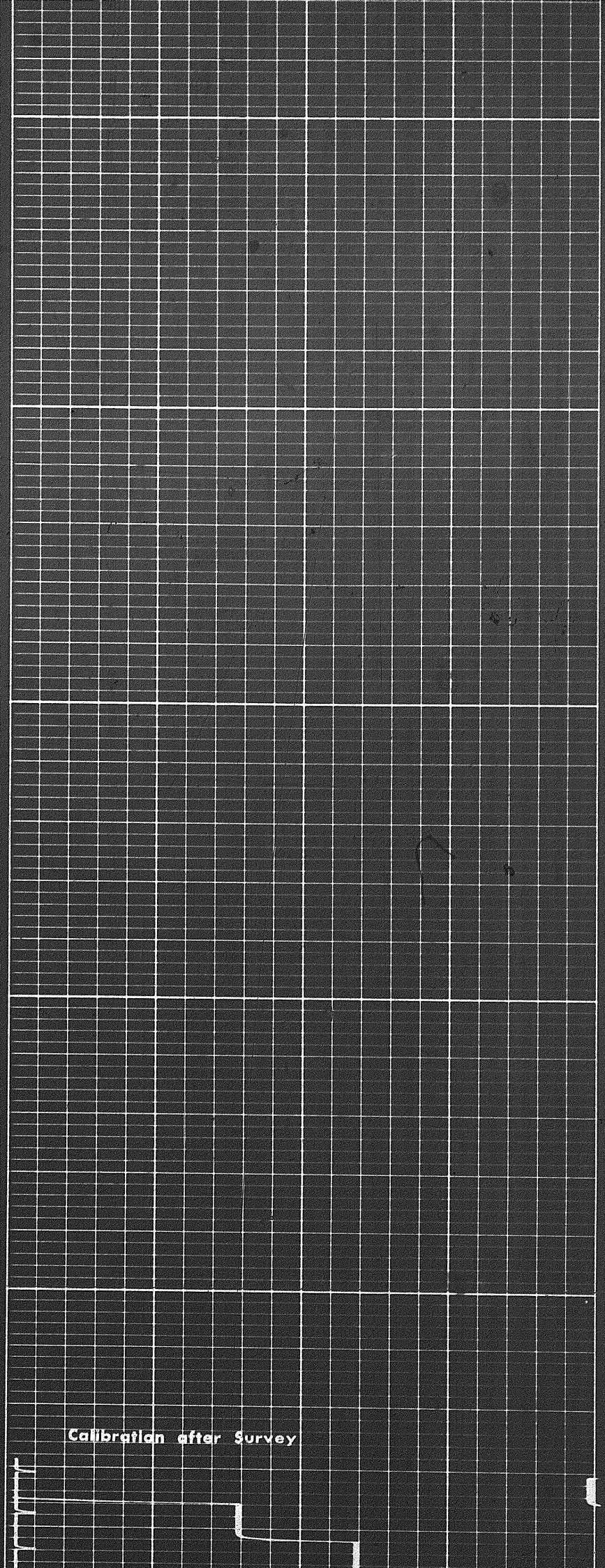
72



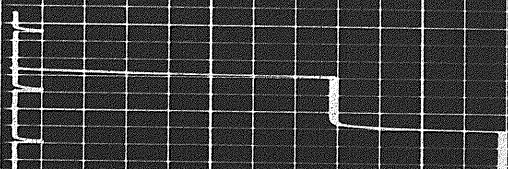
0050

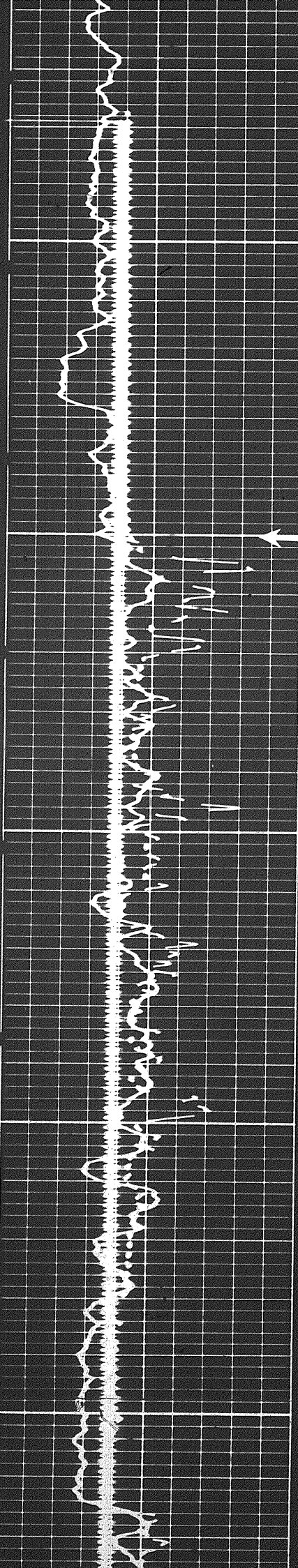
0630

0700



Calibration after Survey

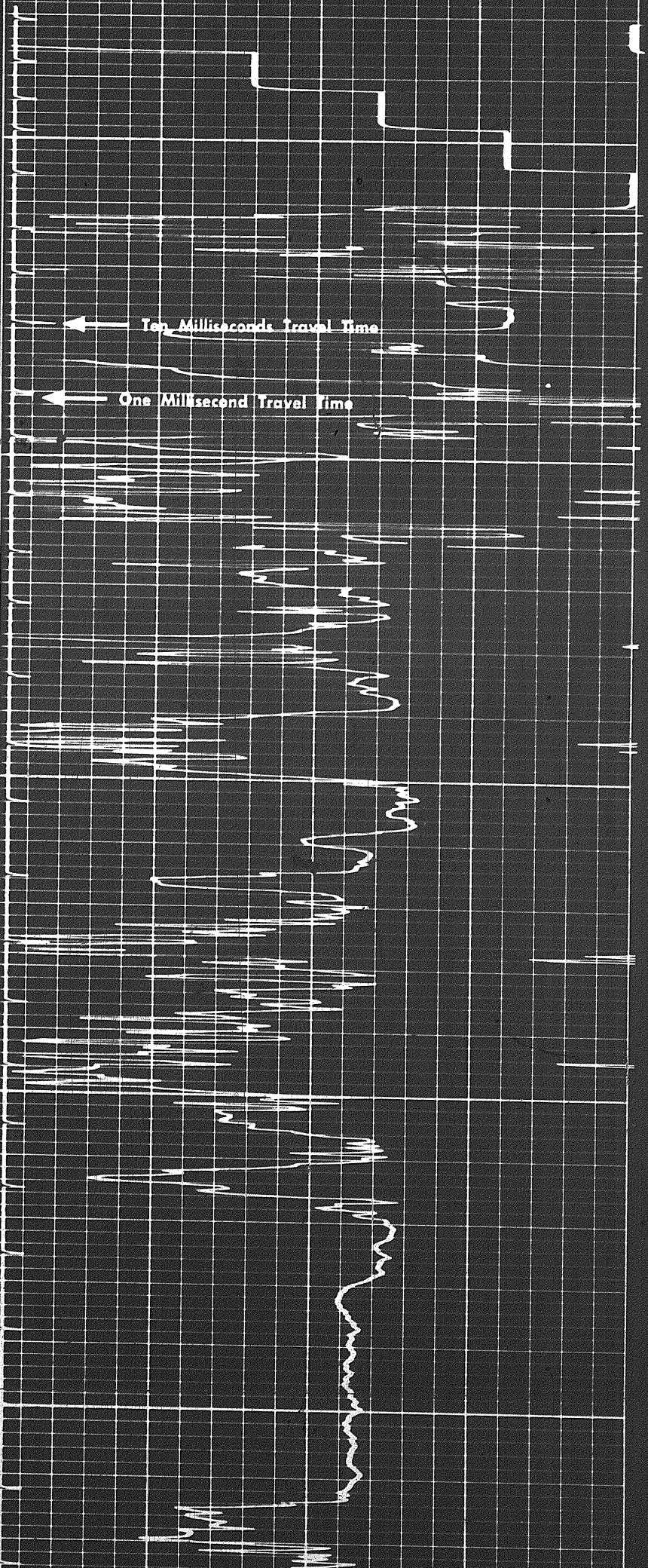


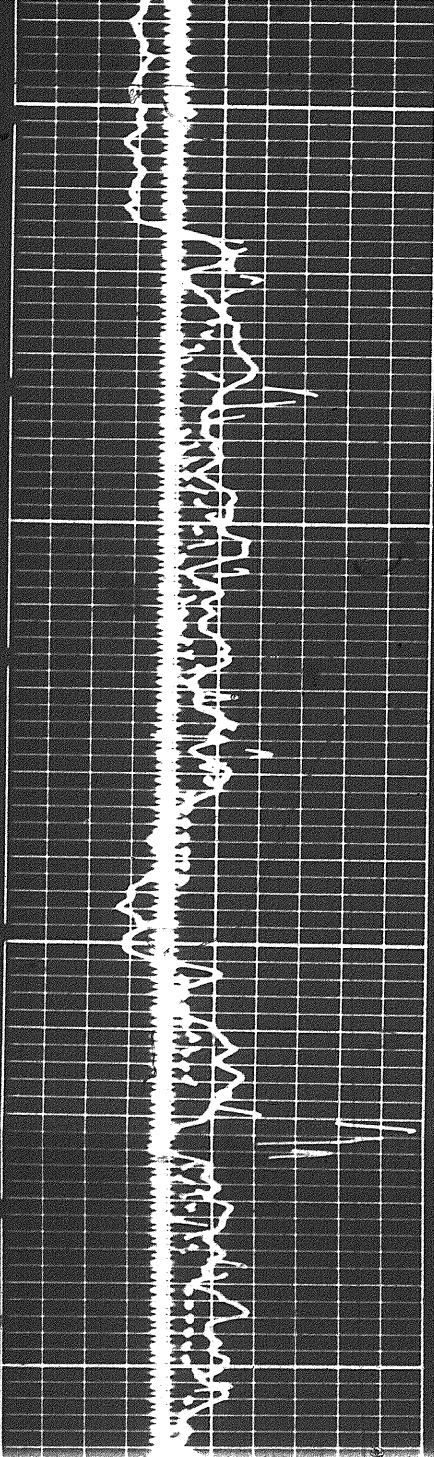


Case 0

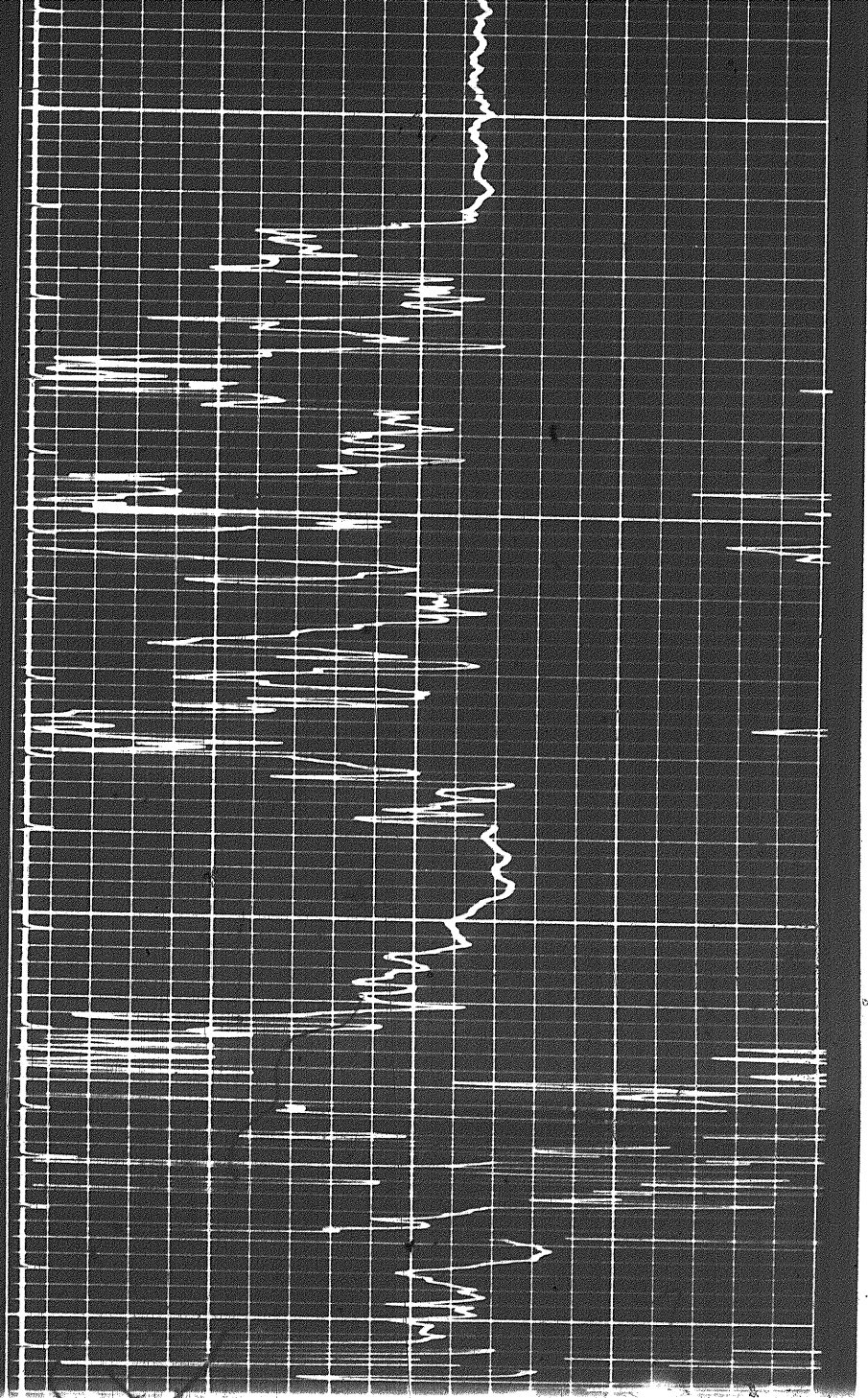
0060

Calibration after Survey

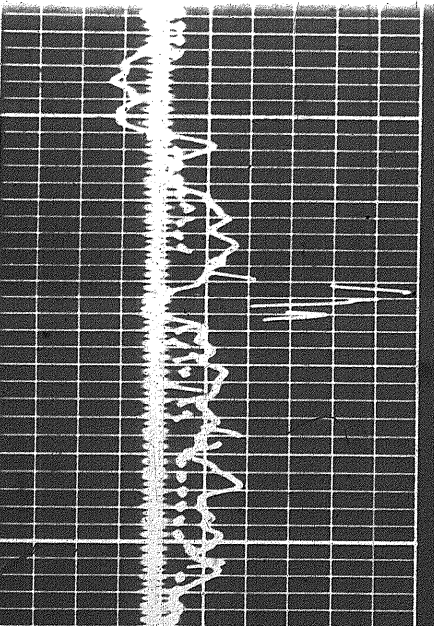




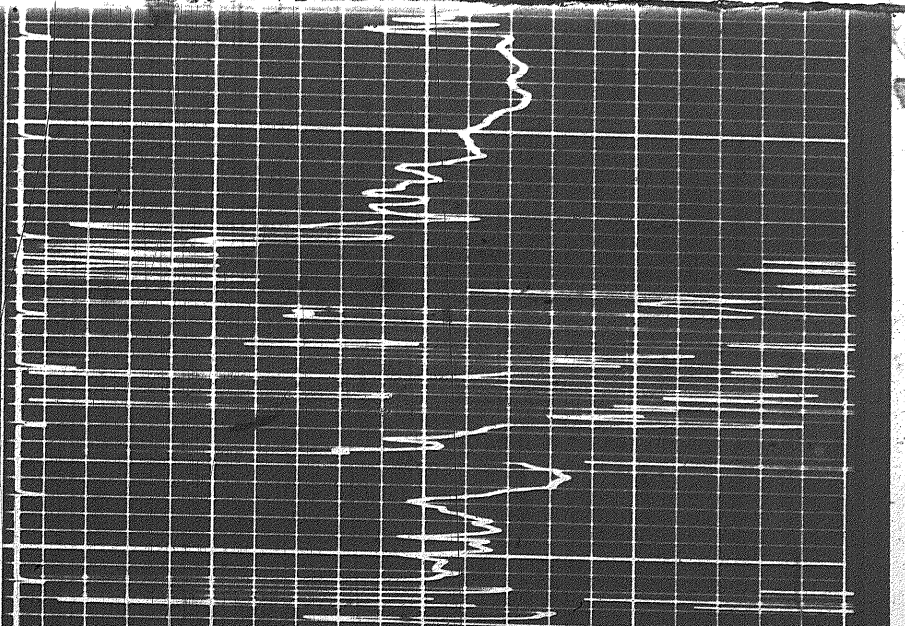
1000



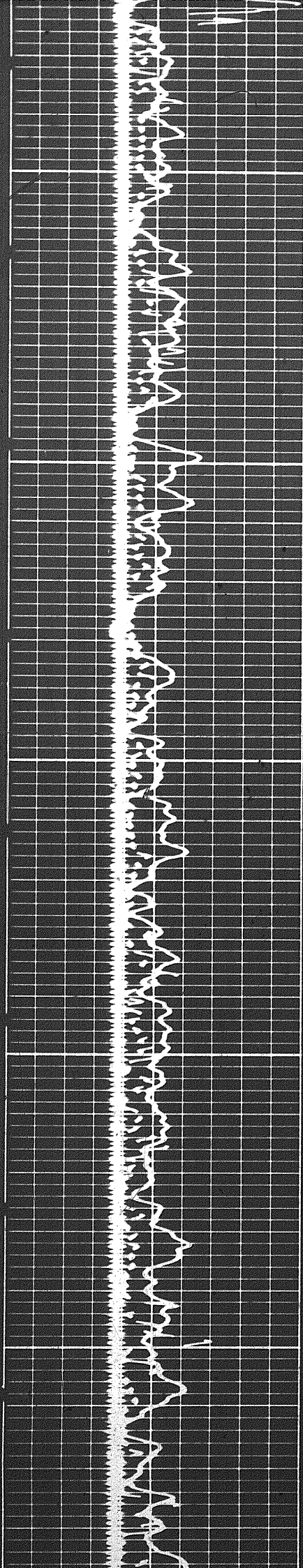
1000



1000



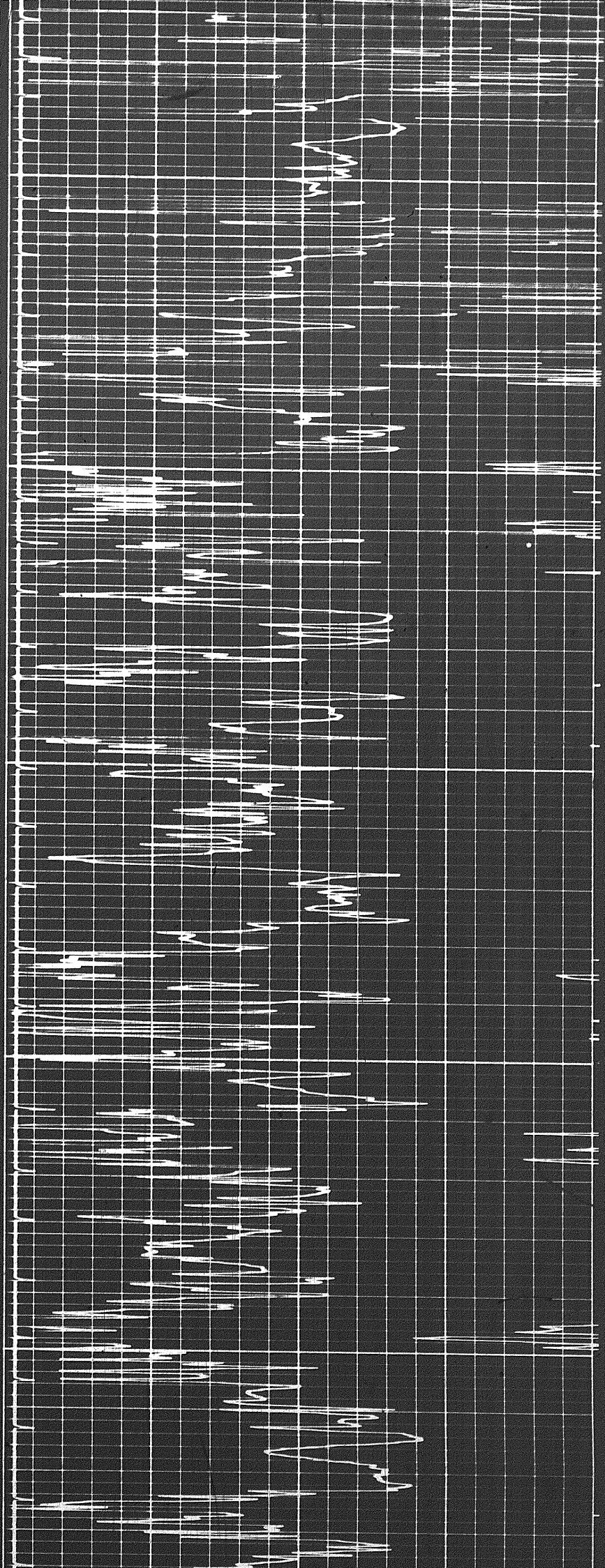
700

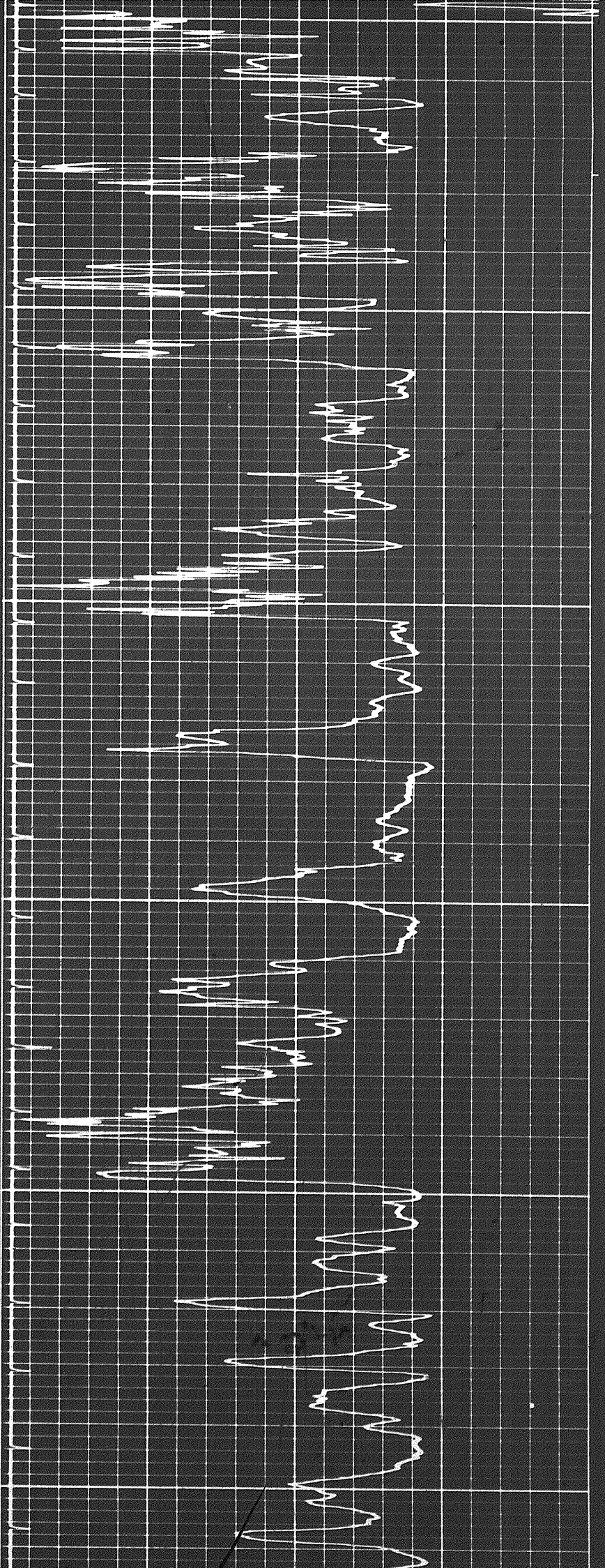


800

900

1000

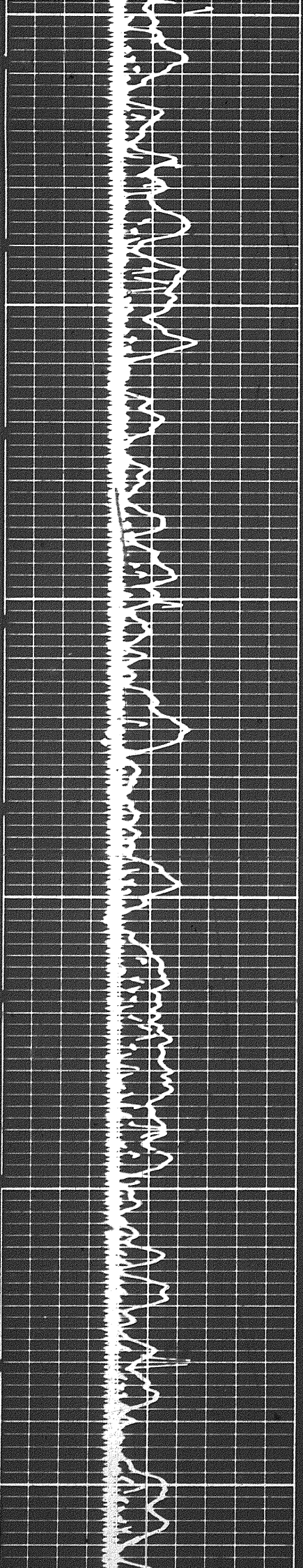


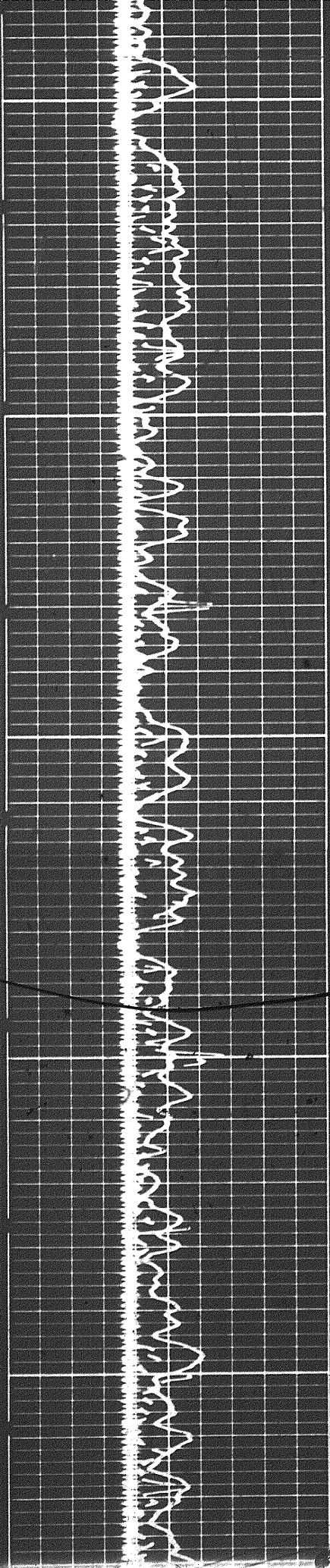


300

400

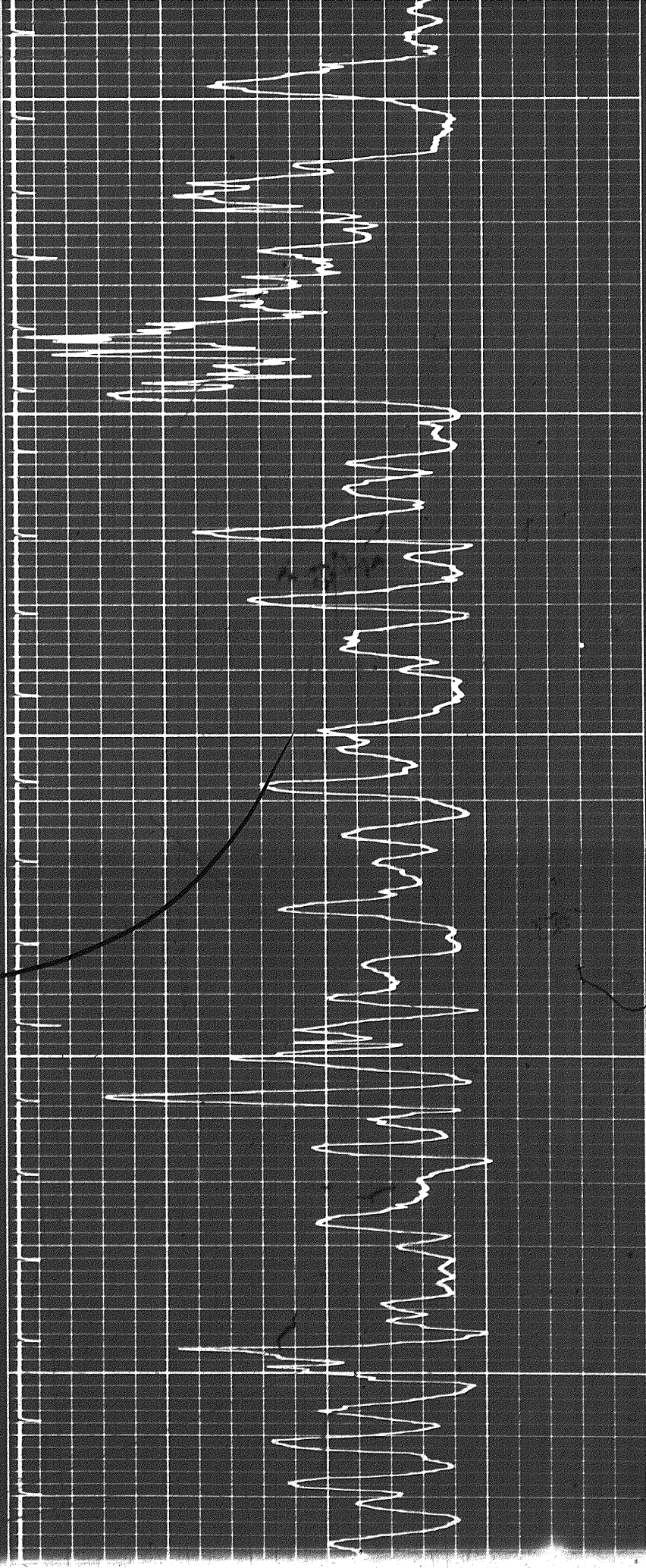
1500

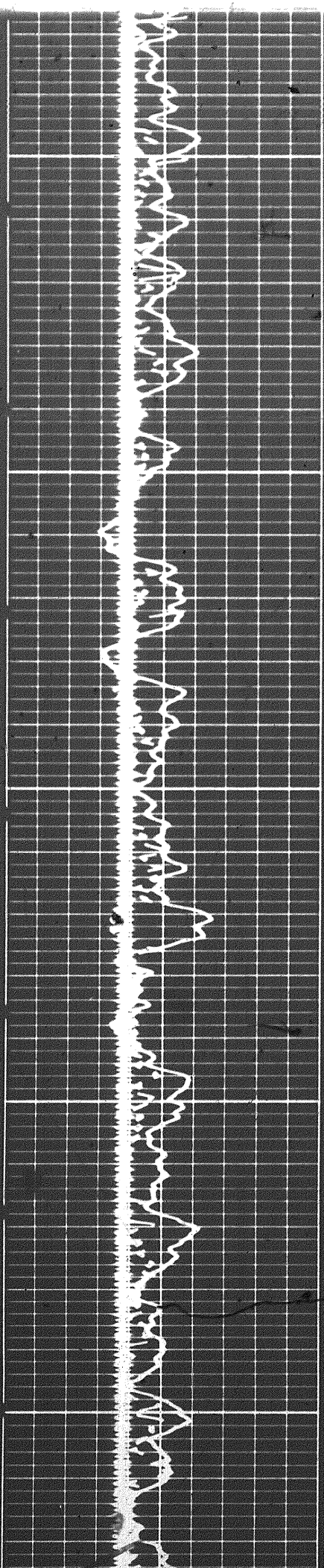




1500

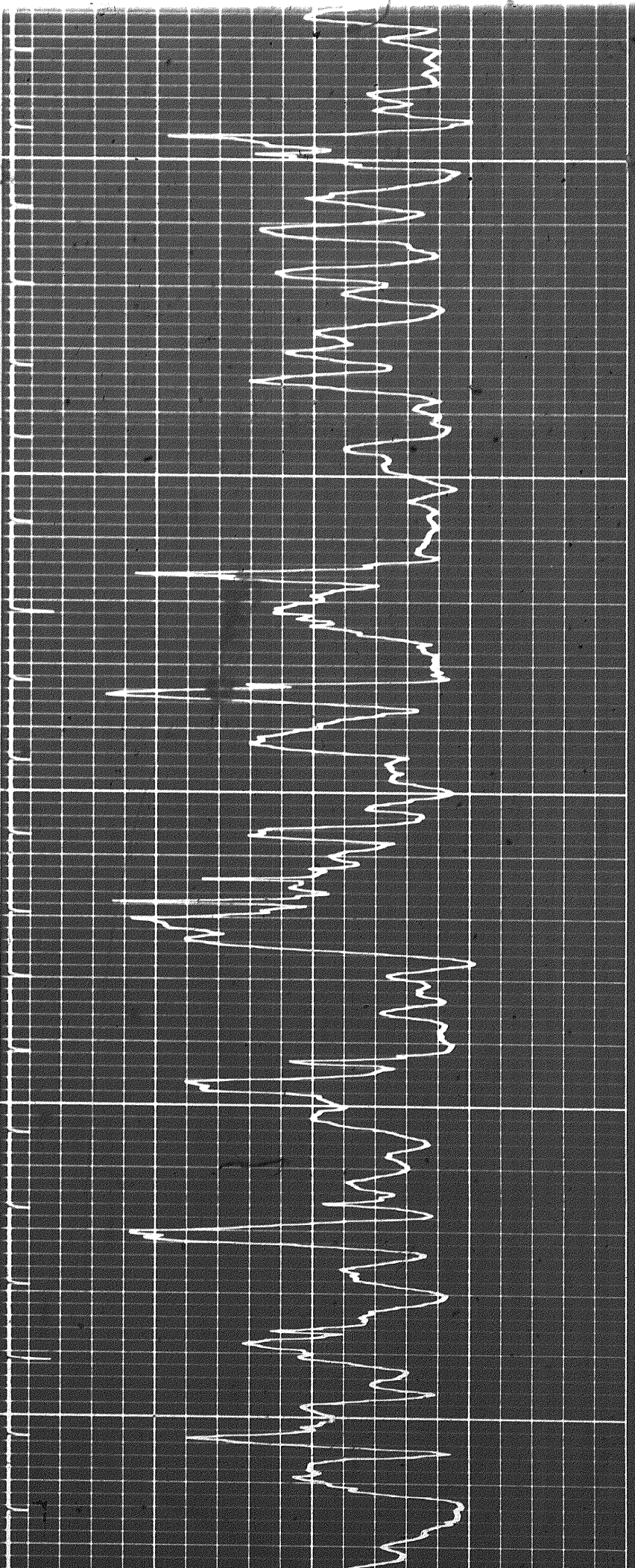
1600

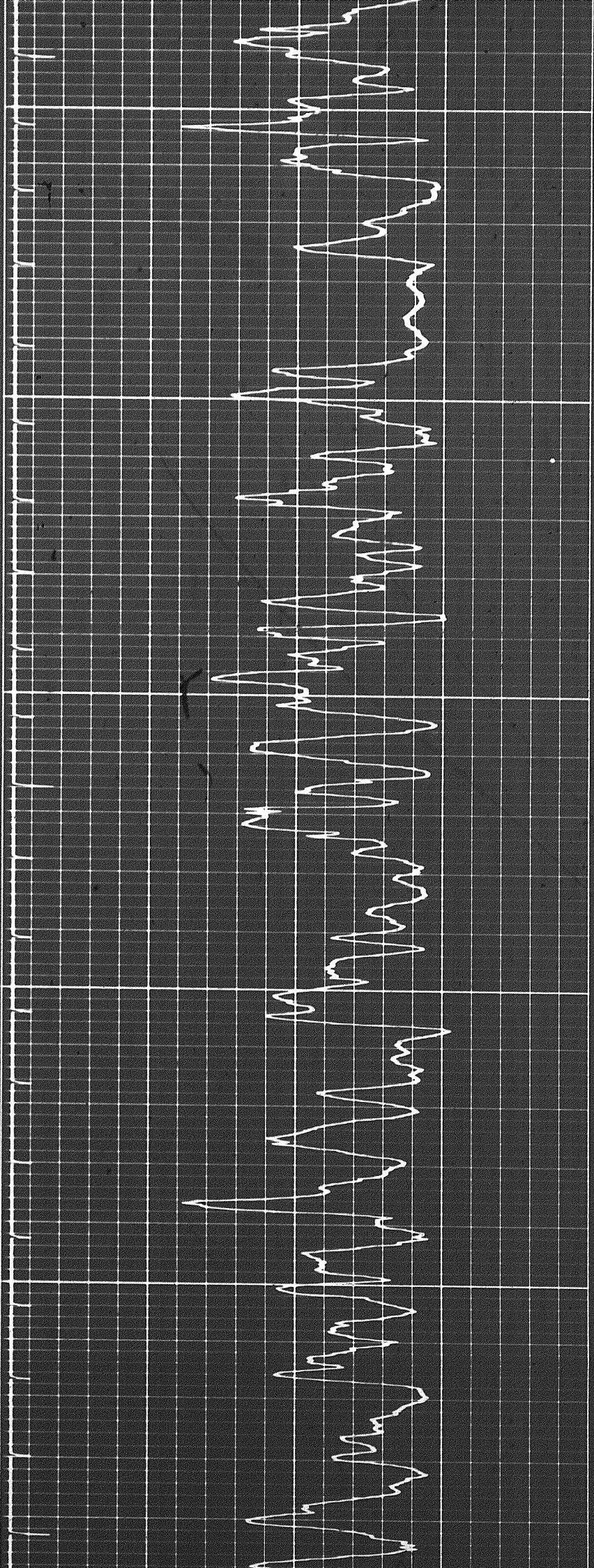




1700

1800

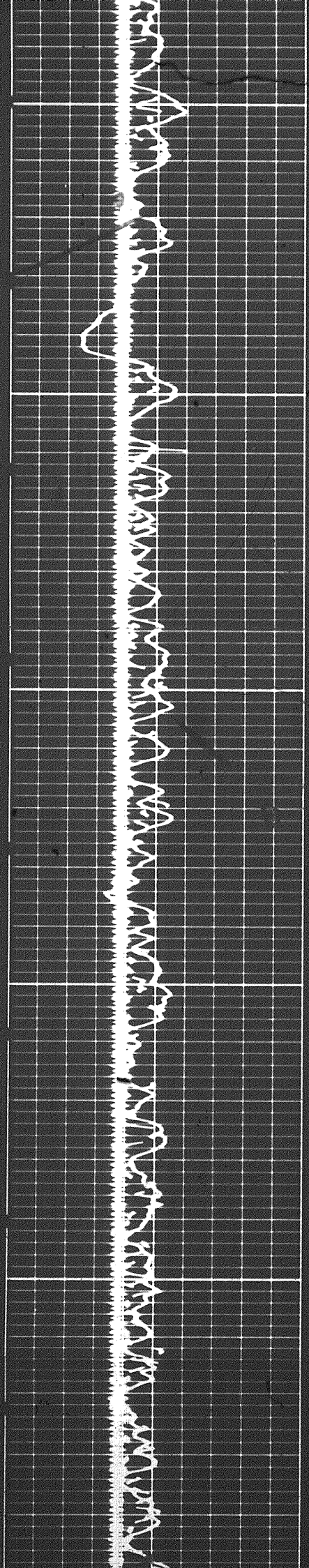


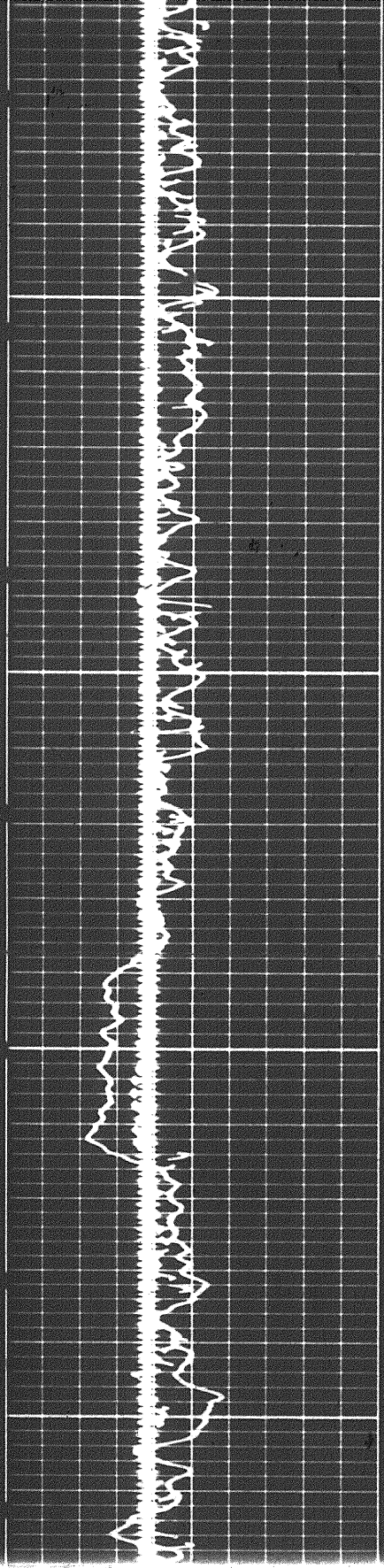


1500

2000

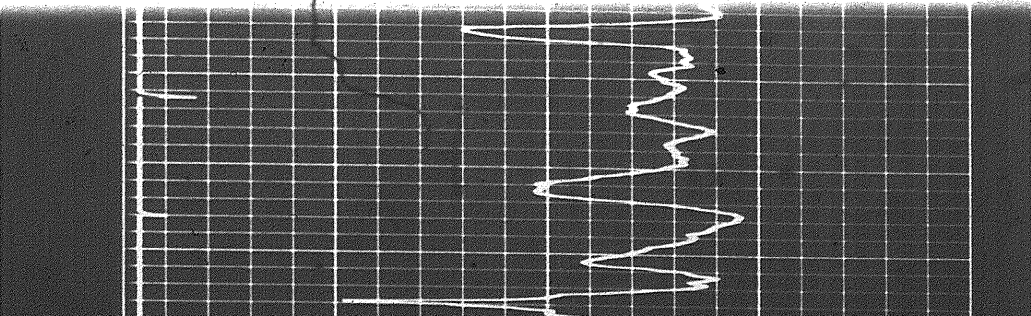
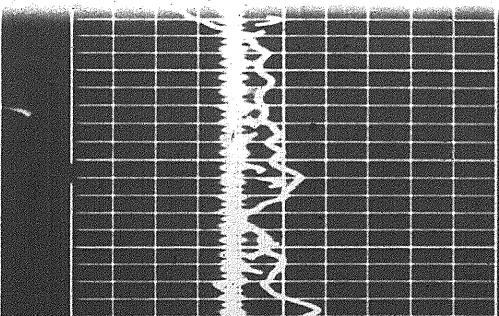
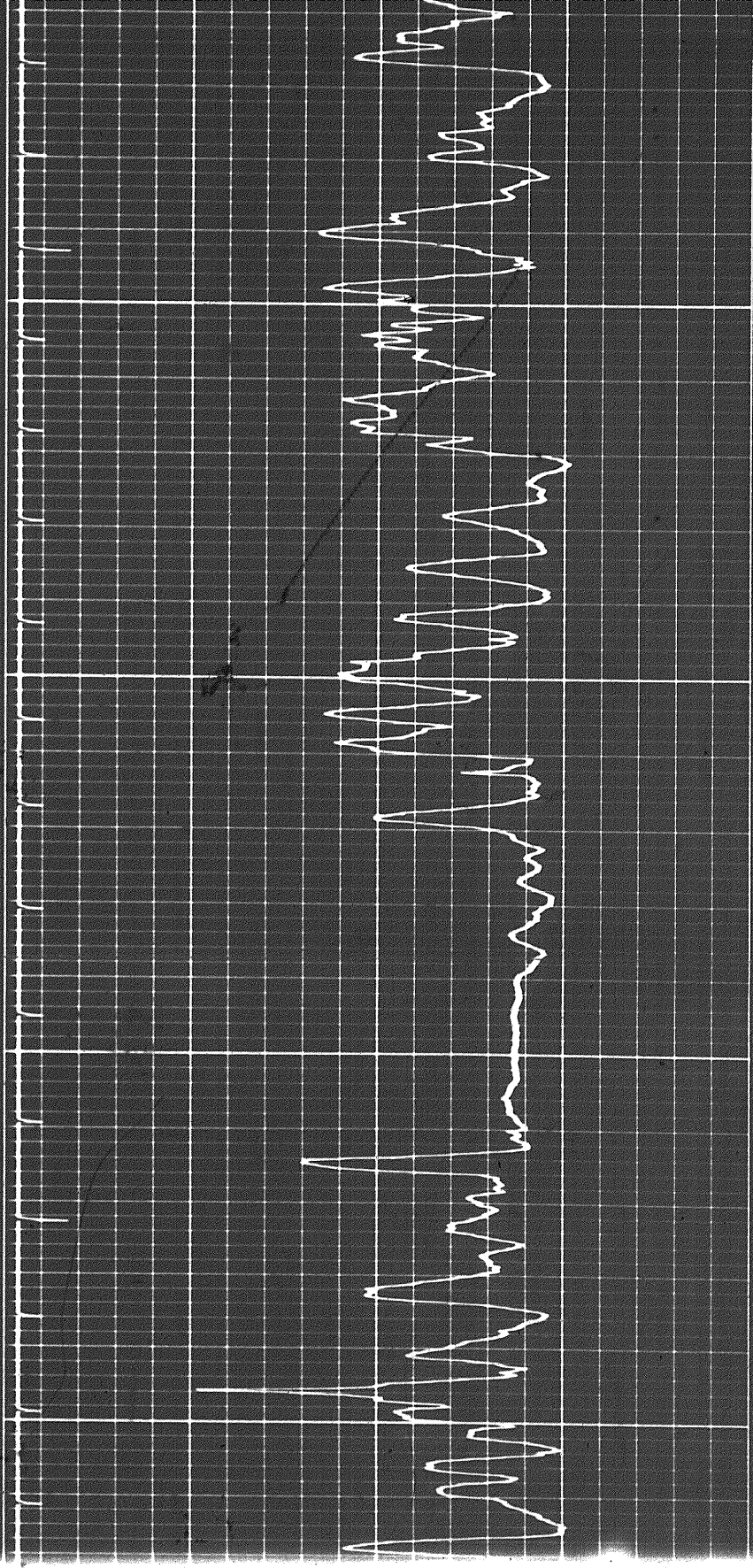
2



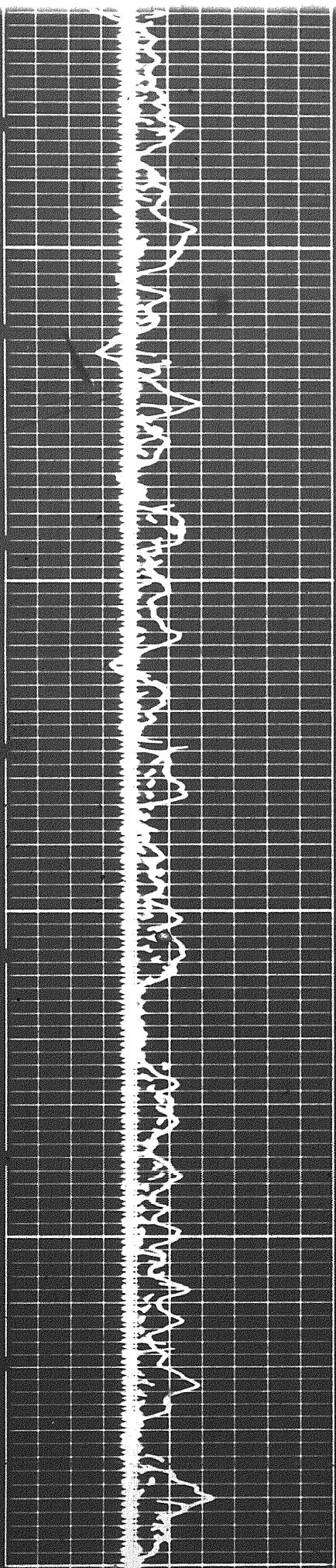


2100

2200

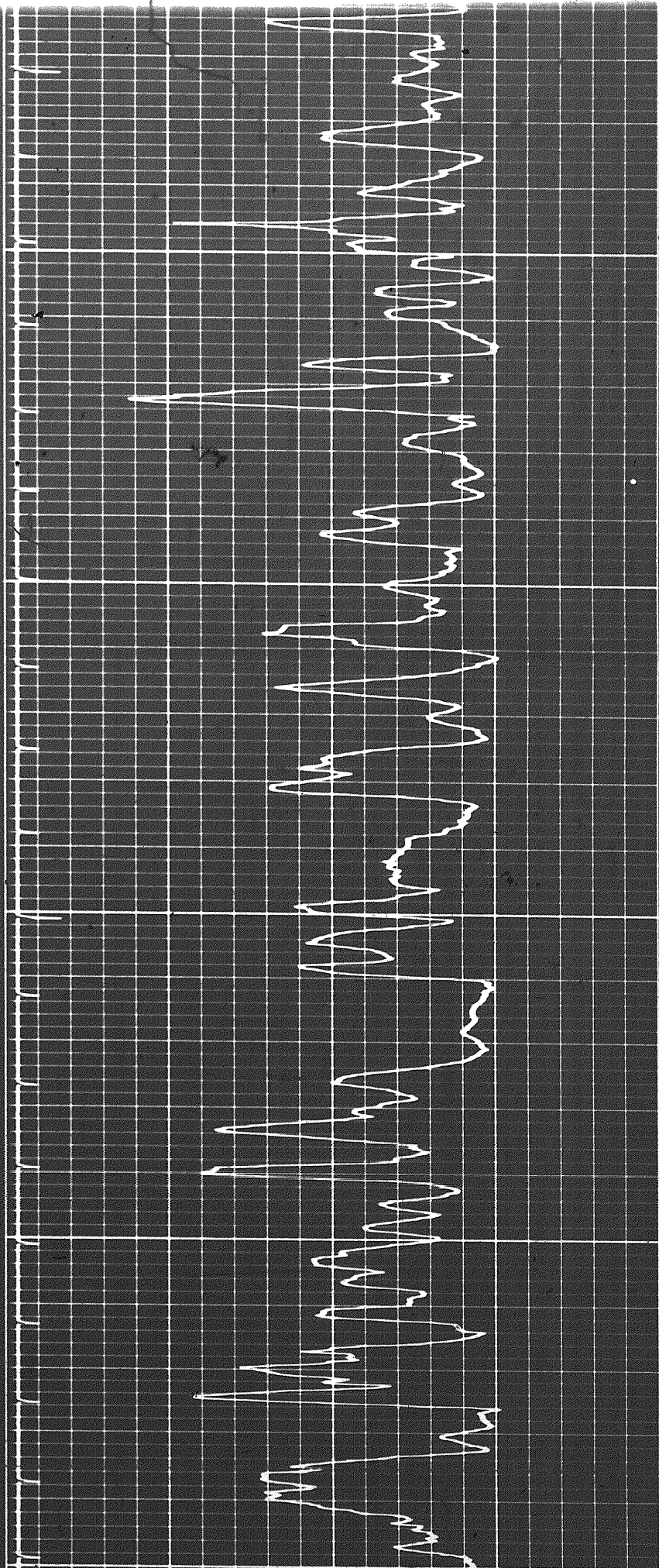


10 of

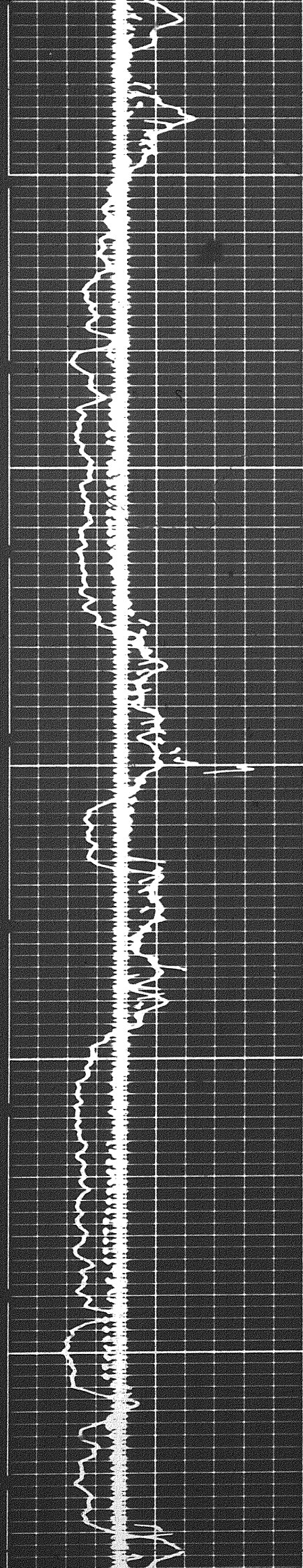


2300

2400

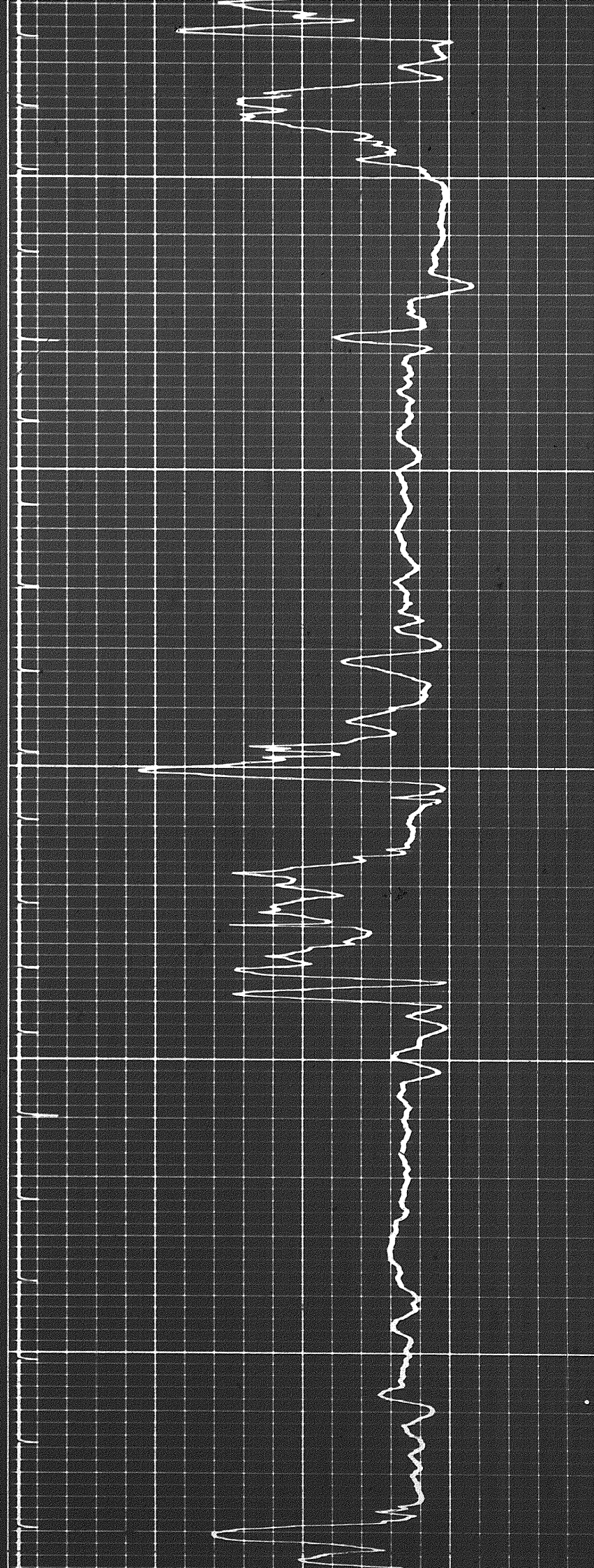


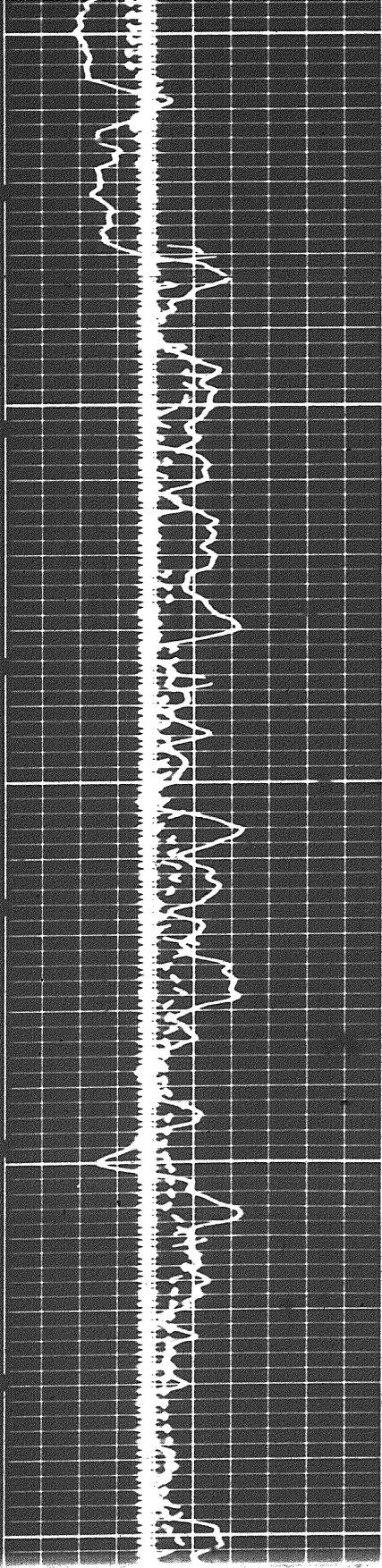
507



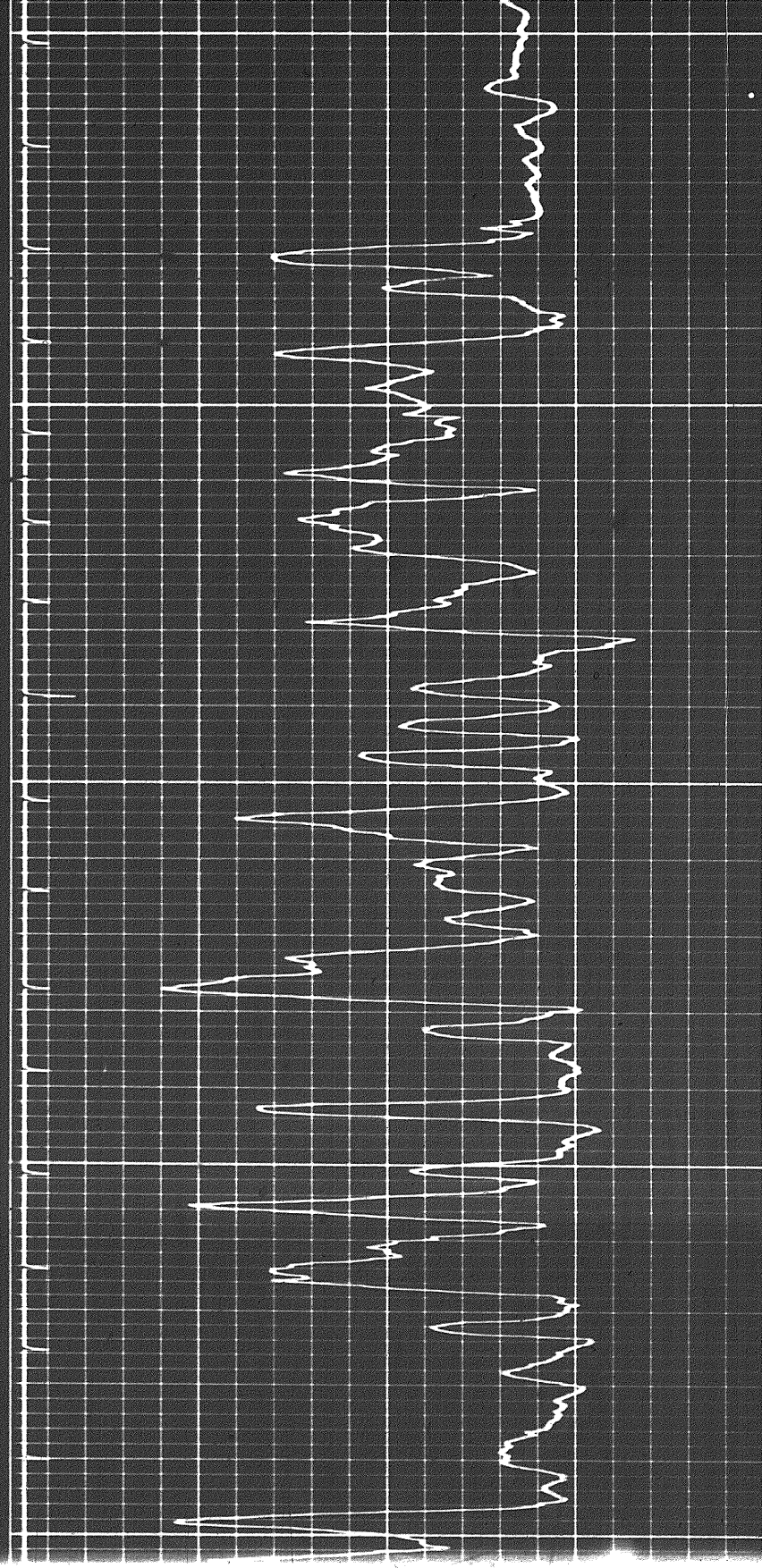
2500

2600

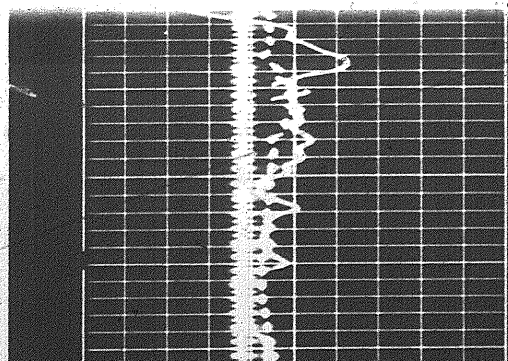




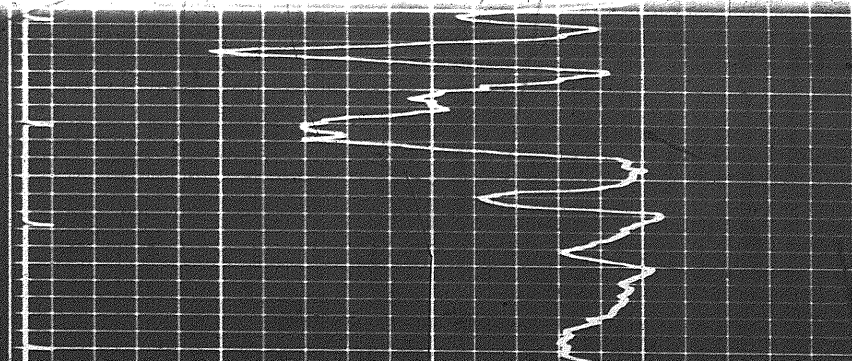
2700



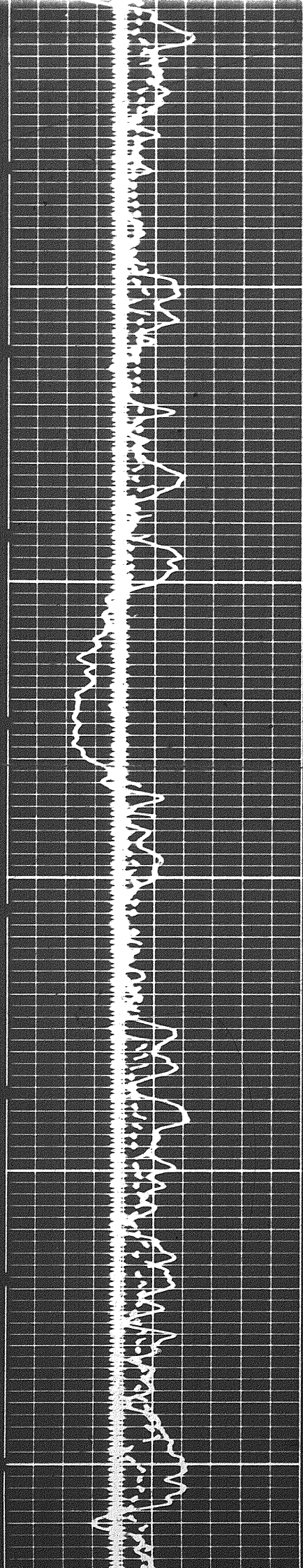
2800



2900

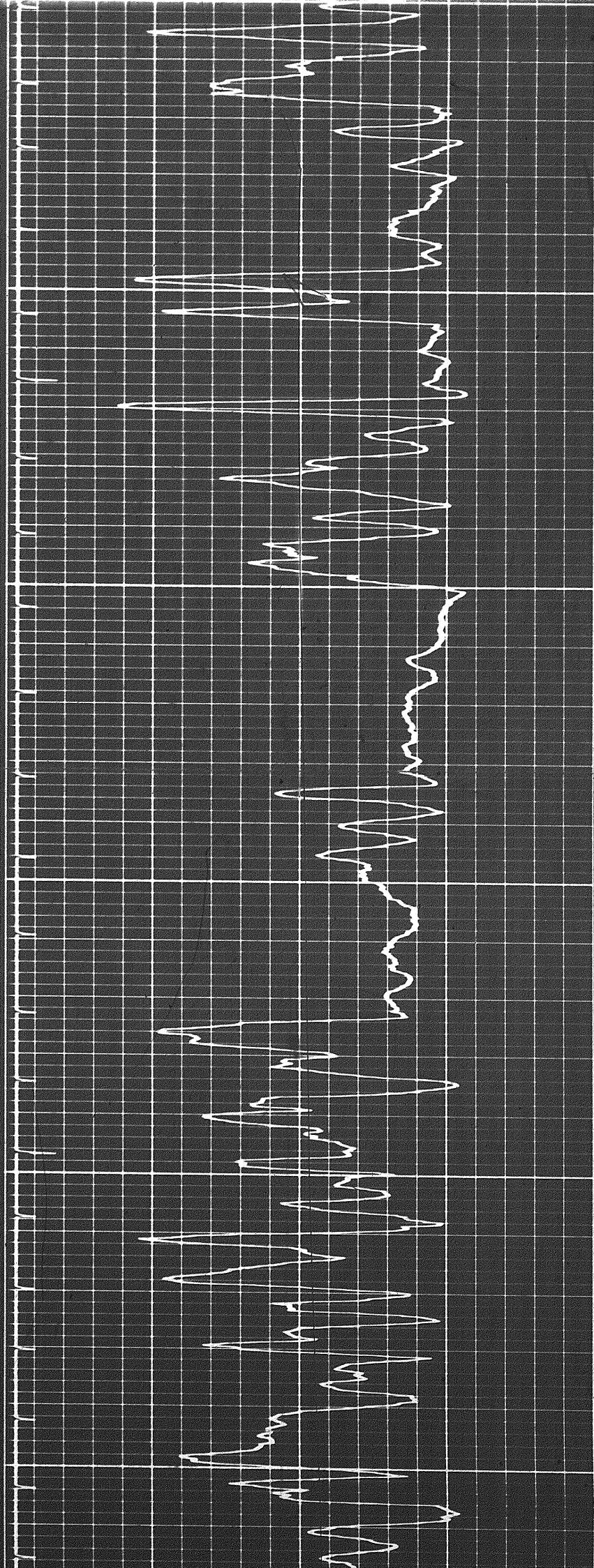


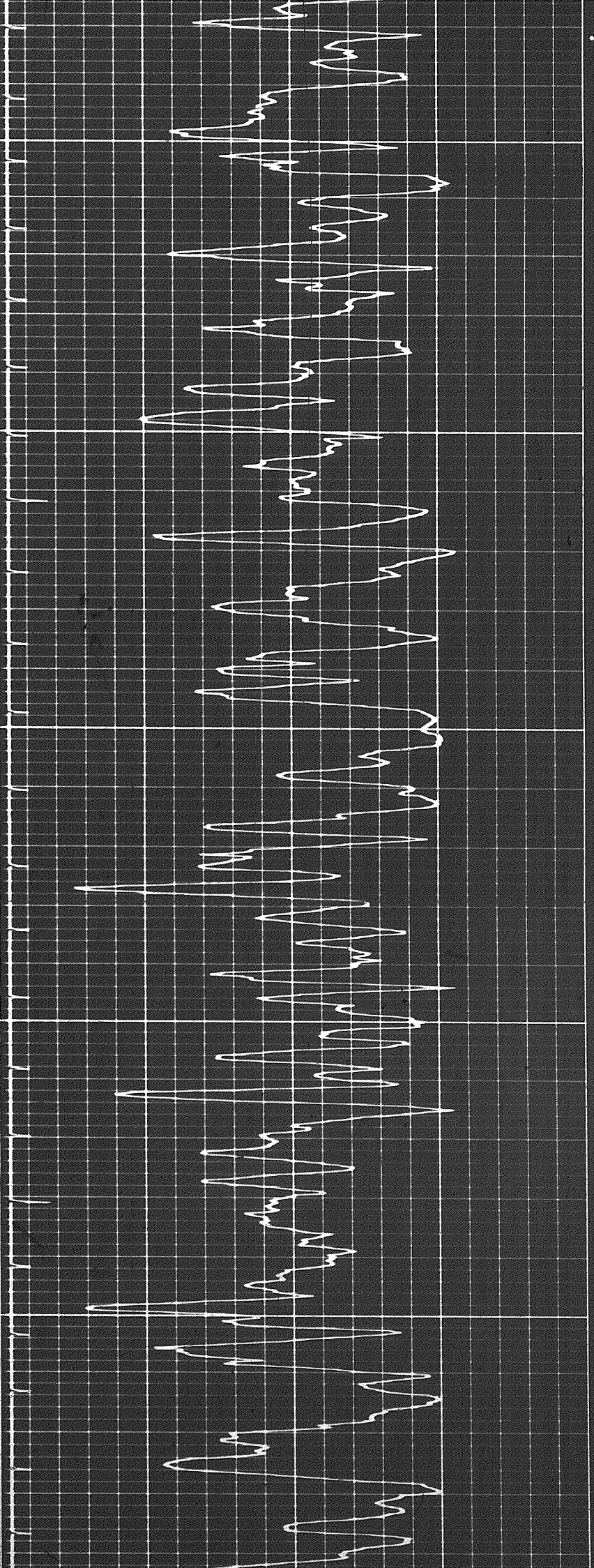
1107



2800

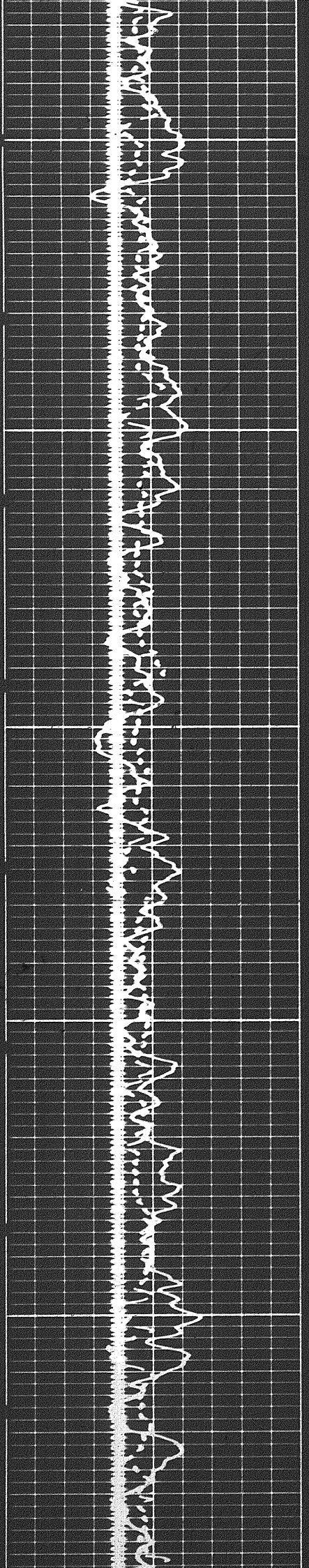
3000

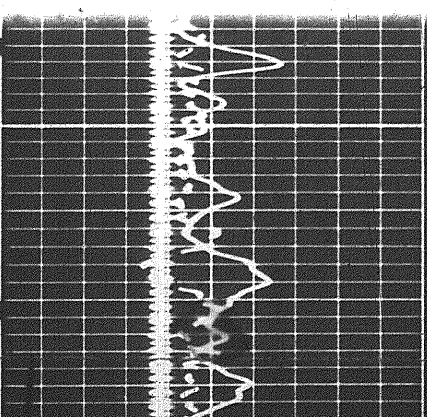
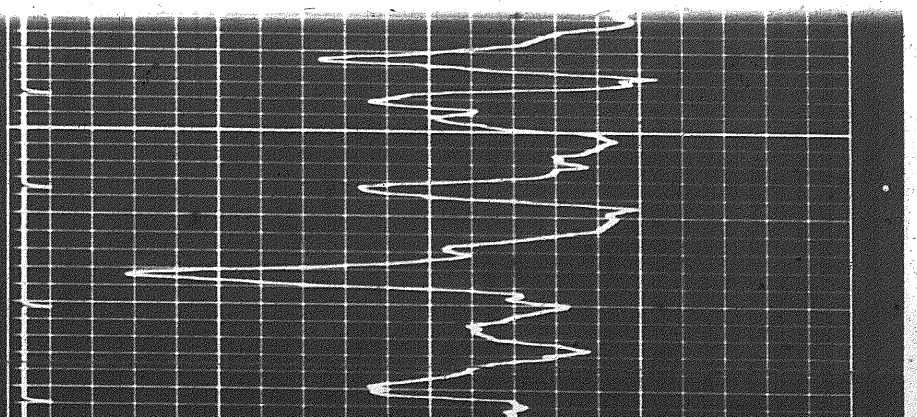
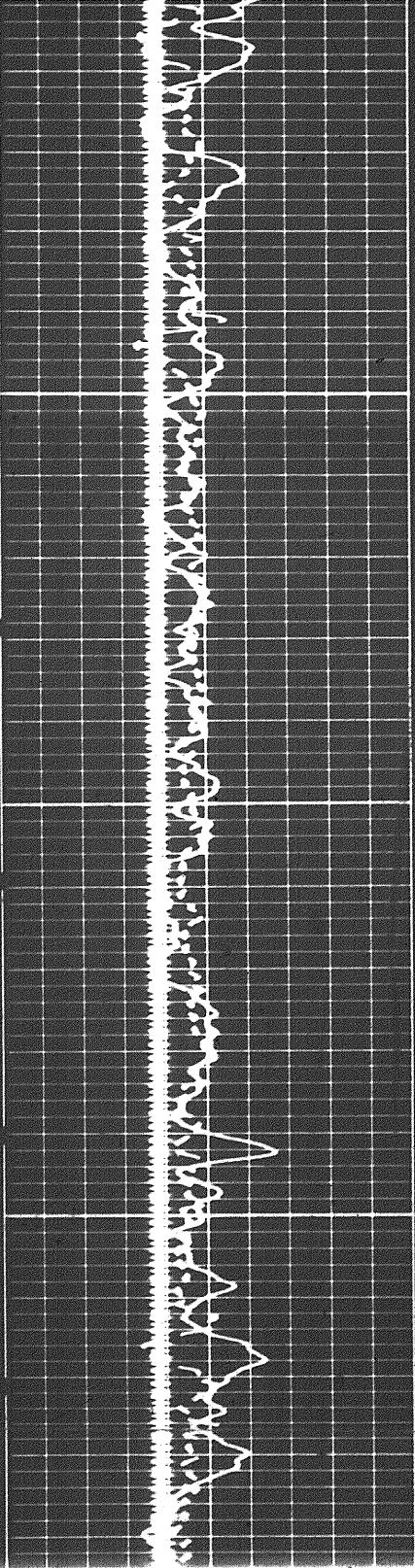
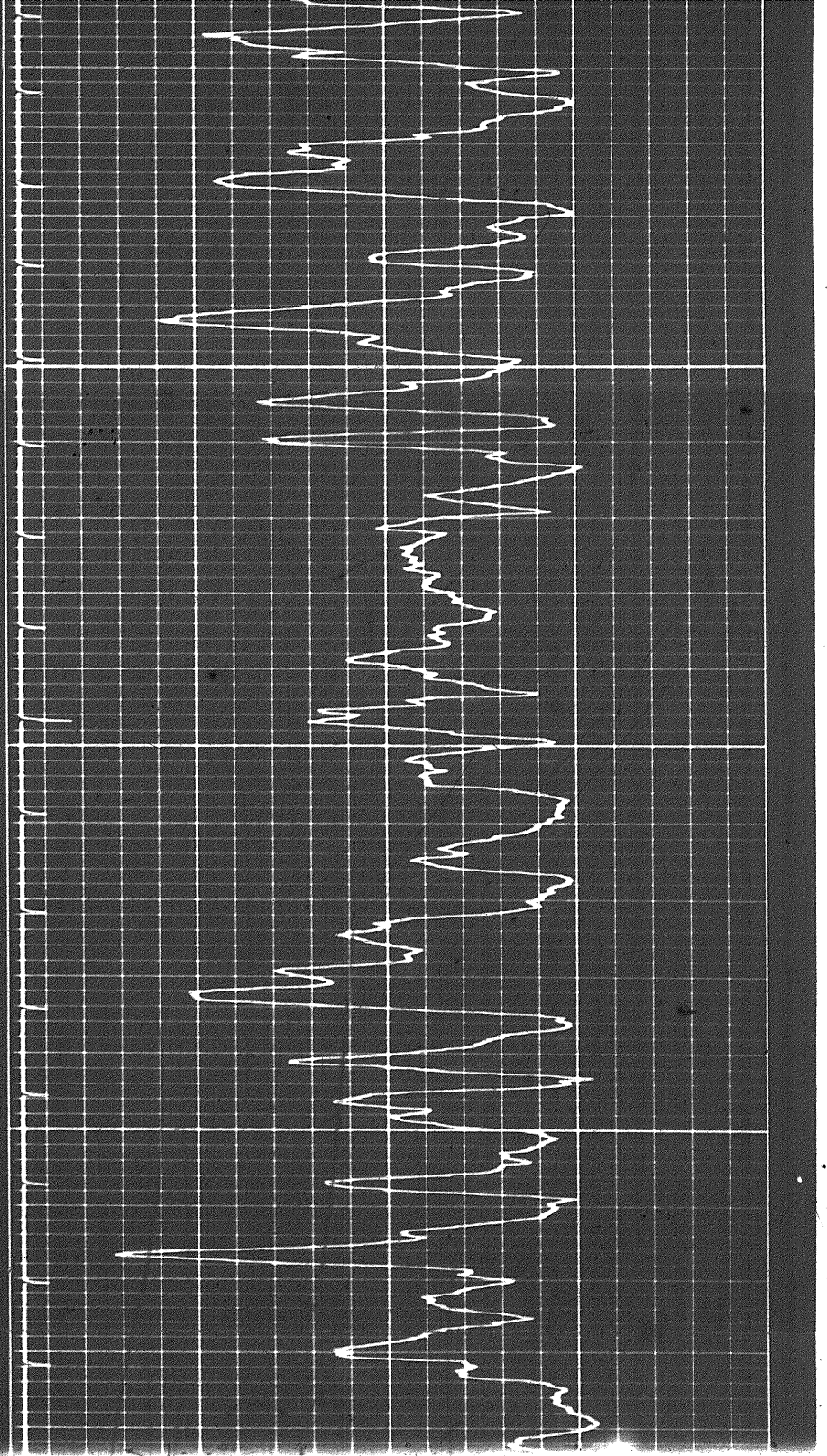


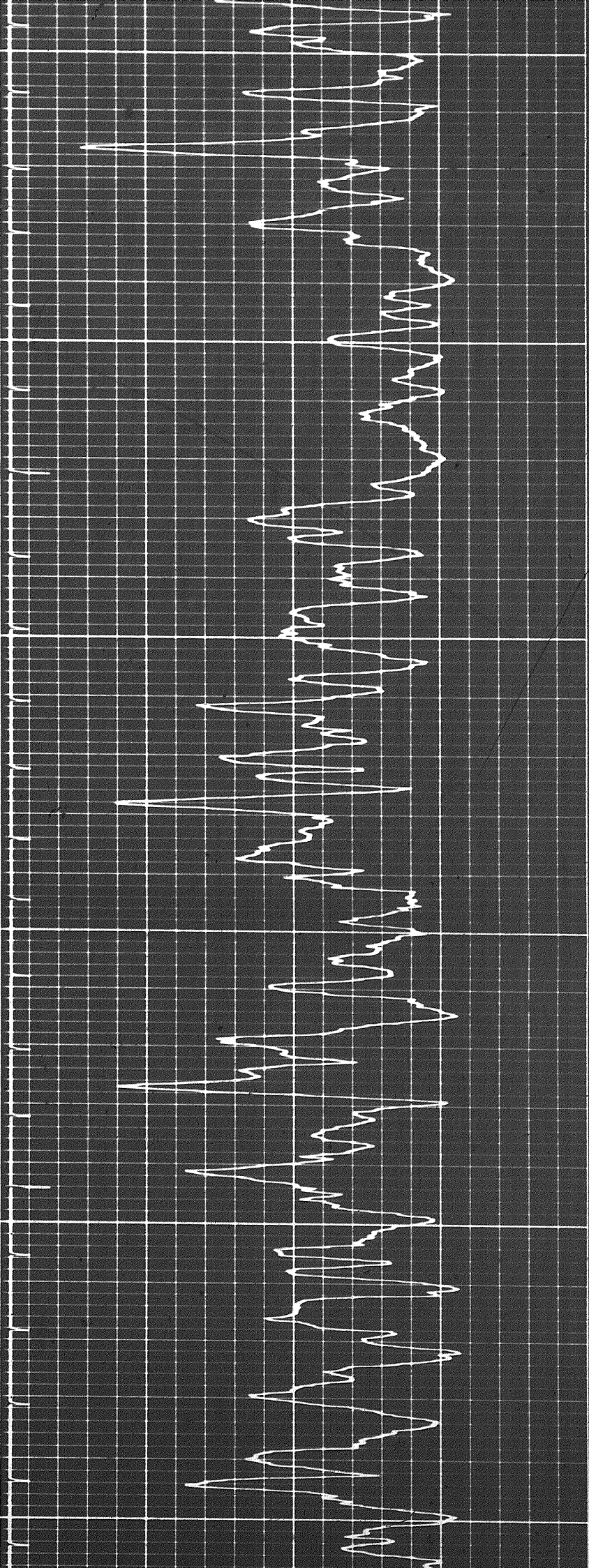


3100

3200



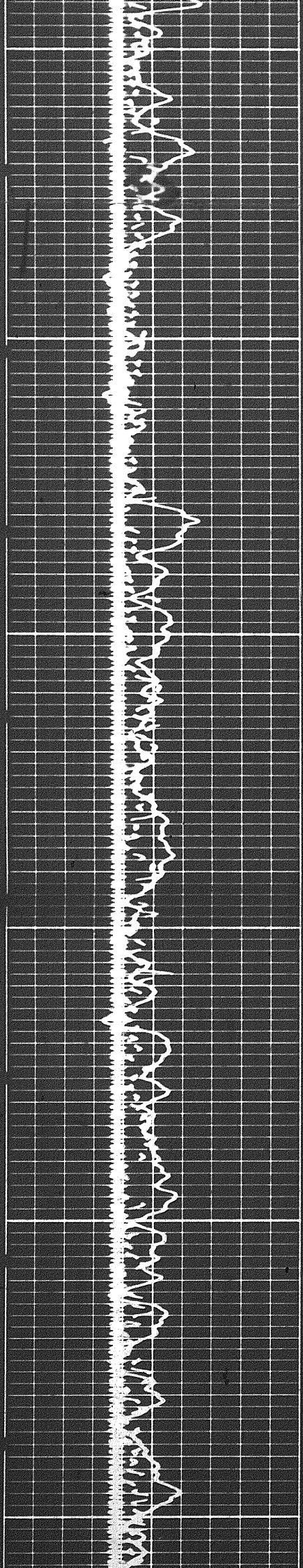


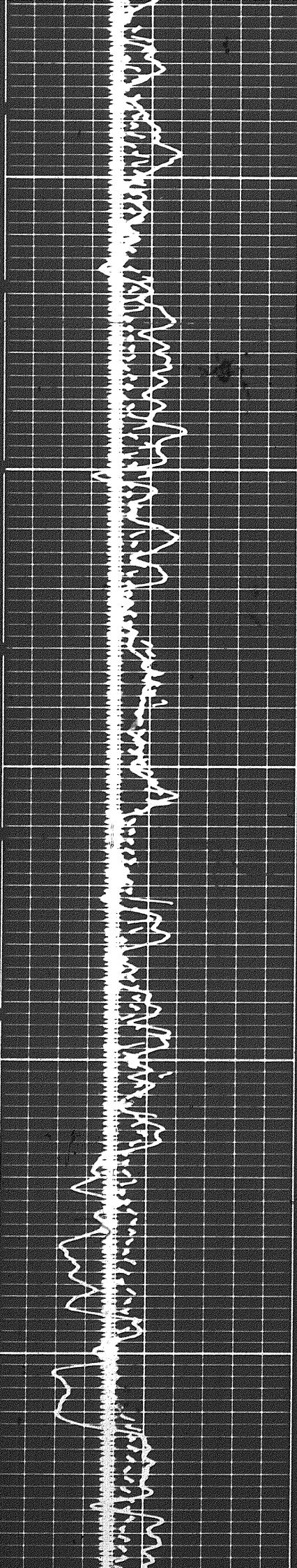


3400

3500

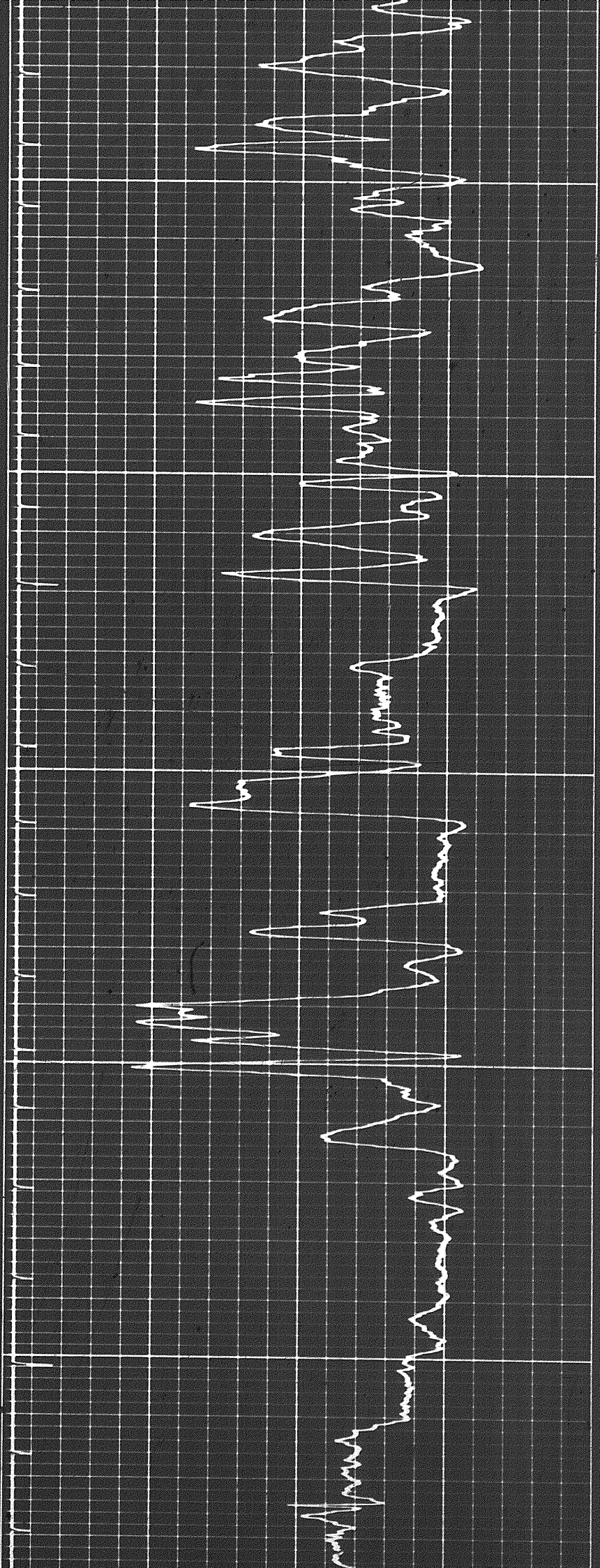
3600

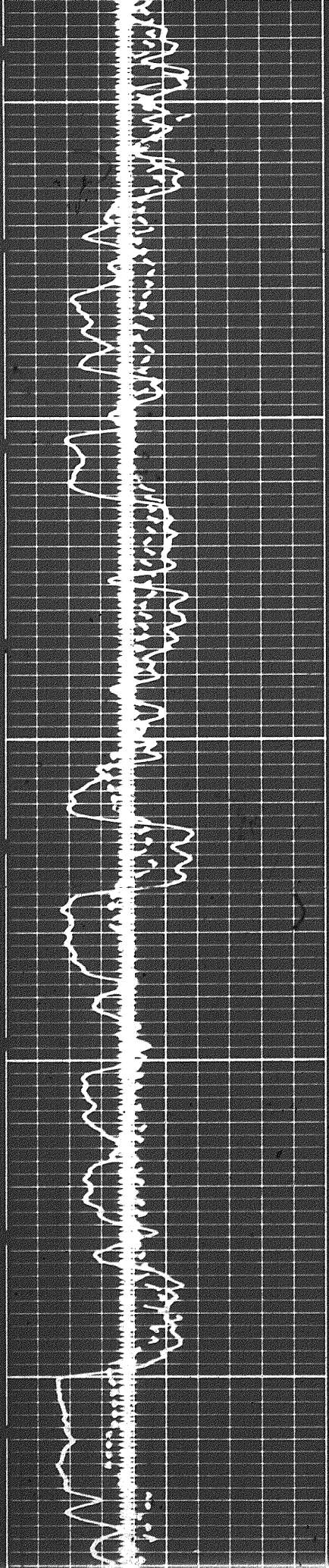




3700

3800

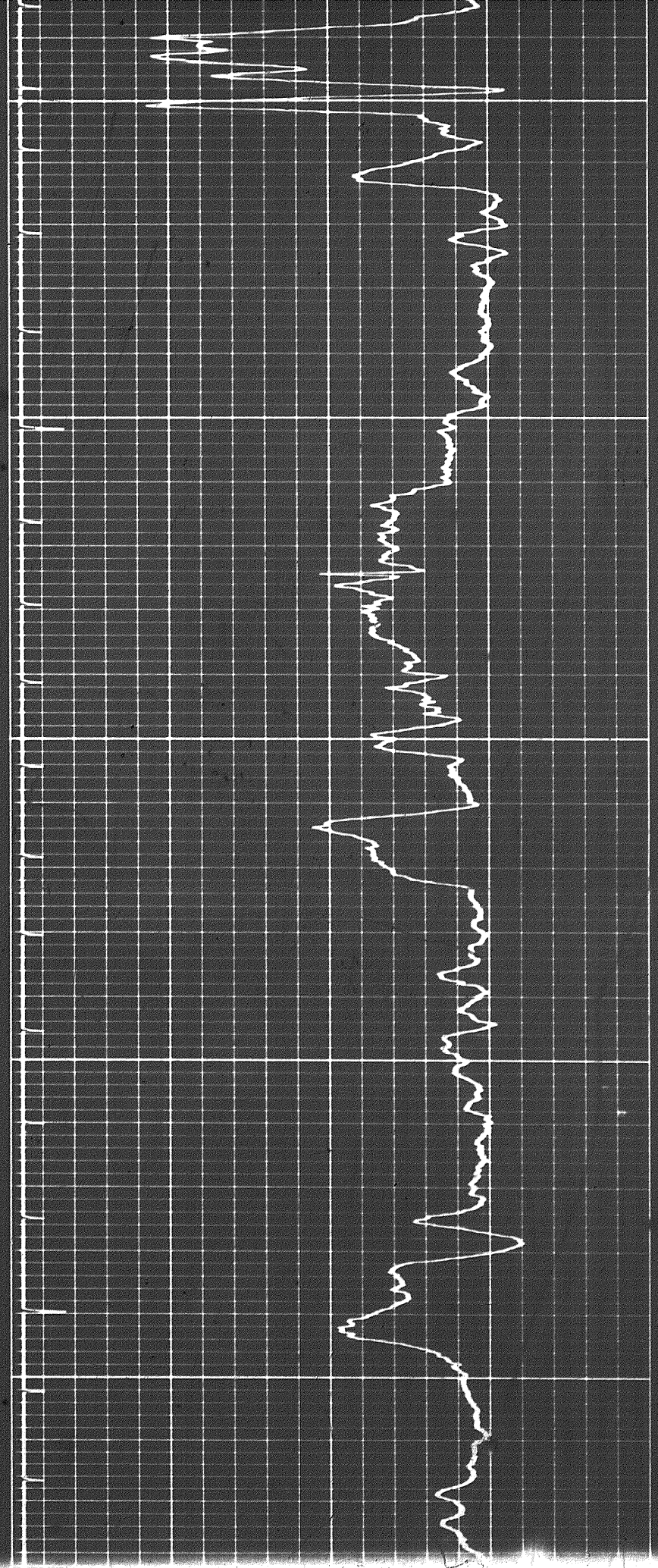


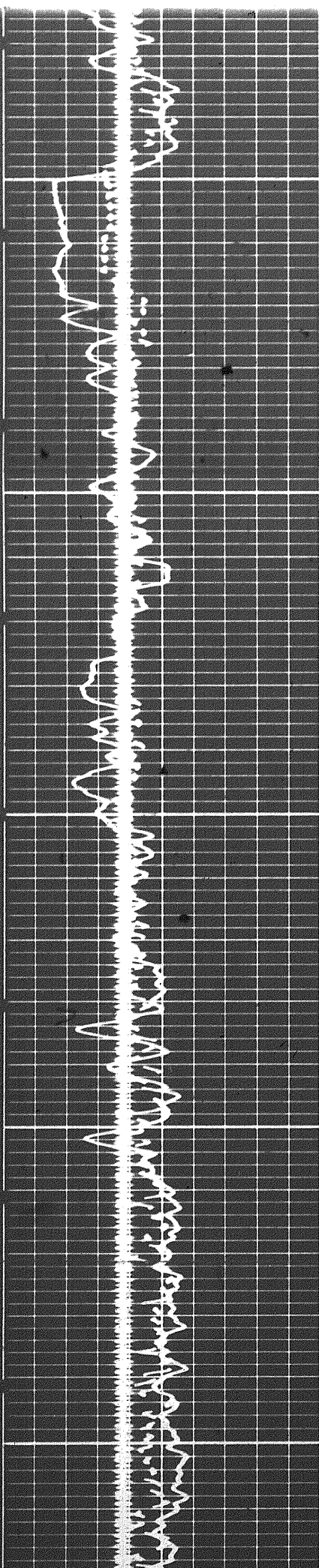
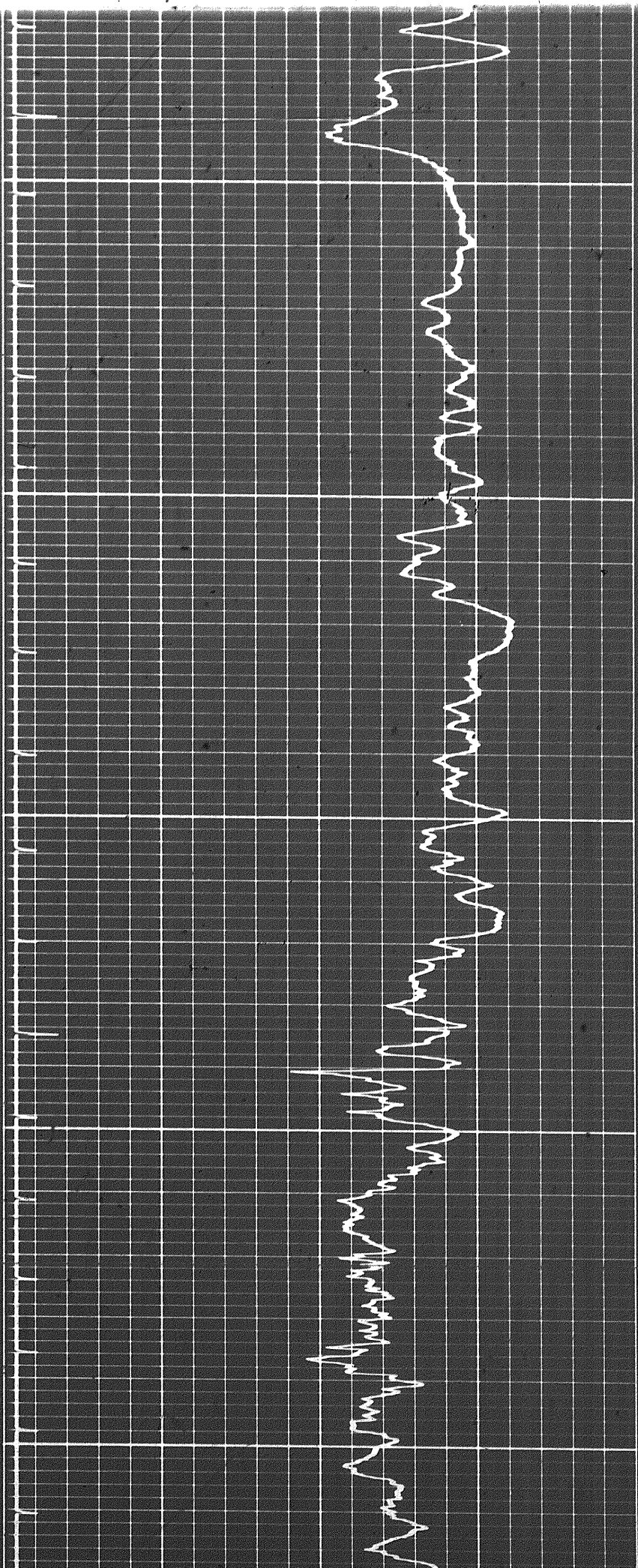


3800

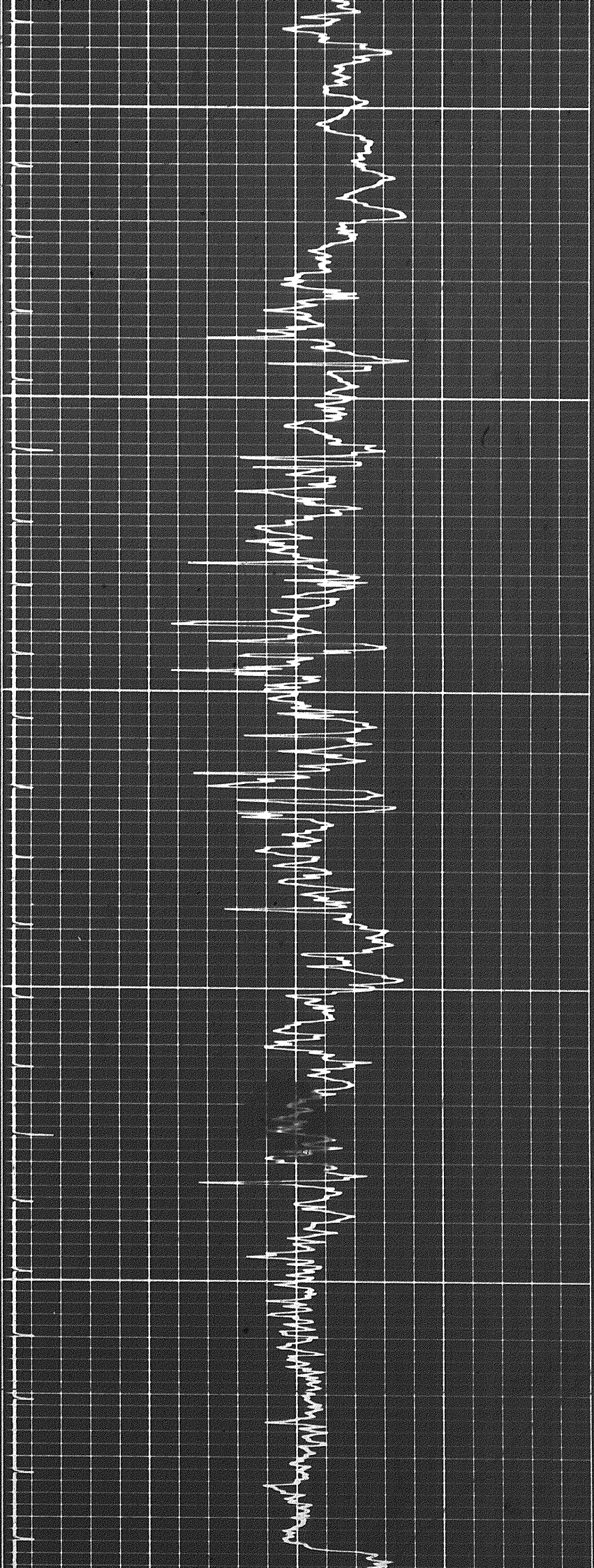
3900

4000





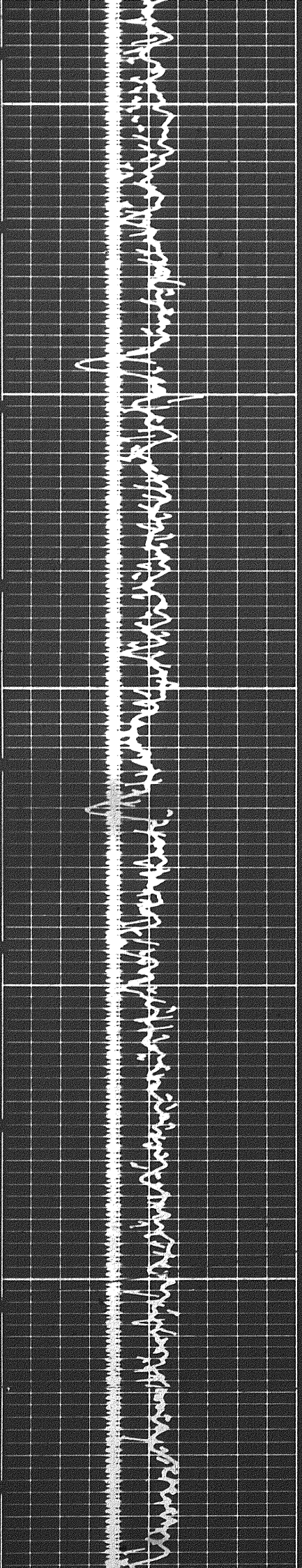
13 of

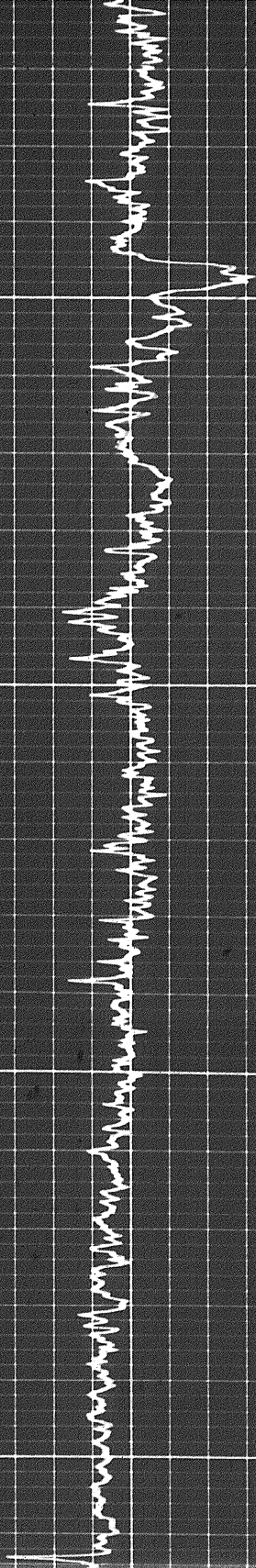


4200

4300

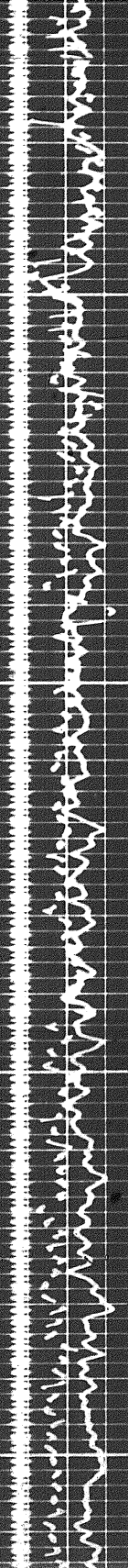
4400



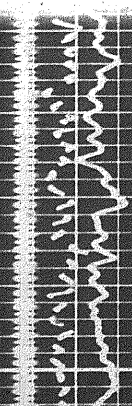


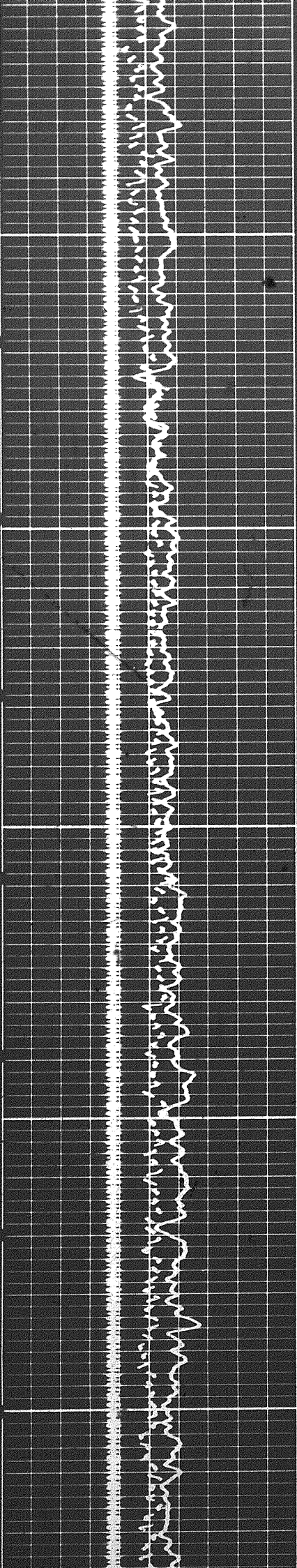
4500

4600



4600

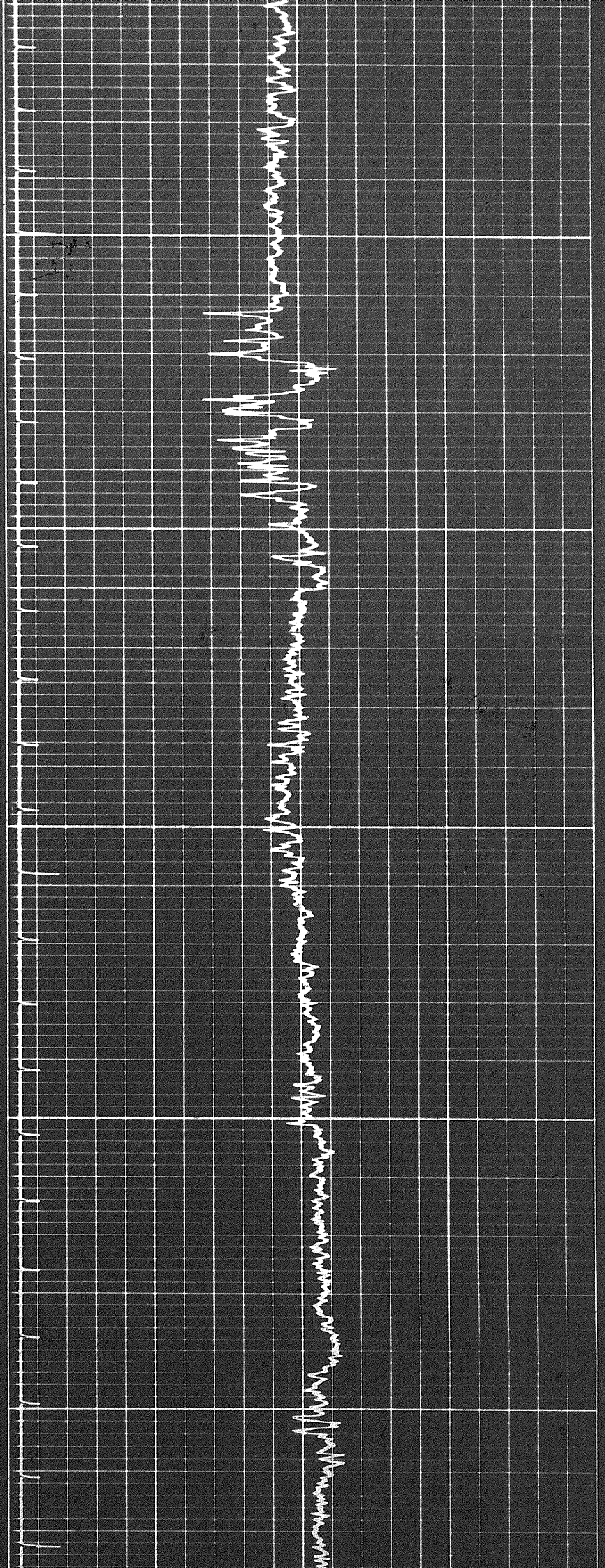


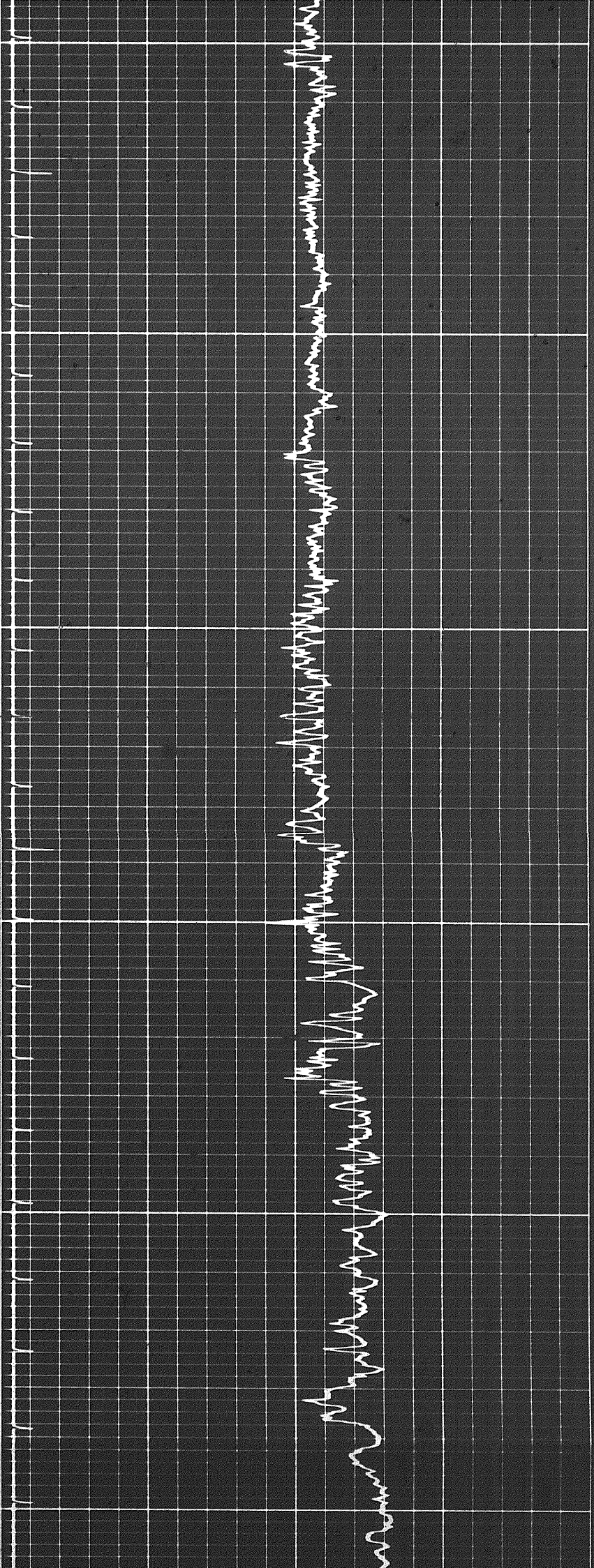


4600

4700

4800

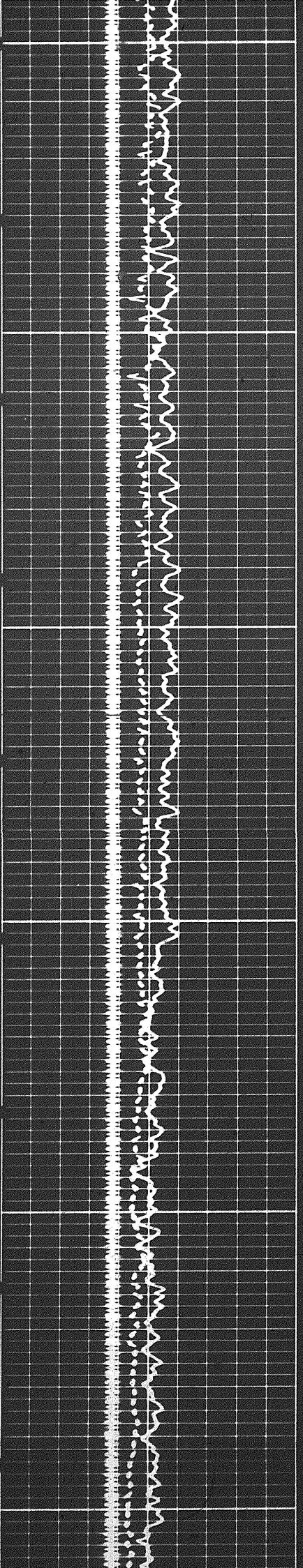


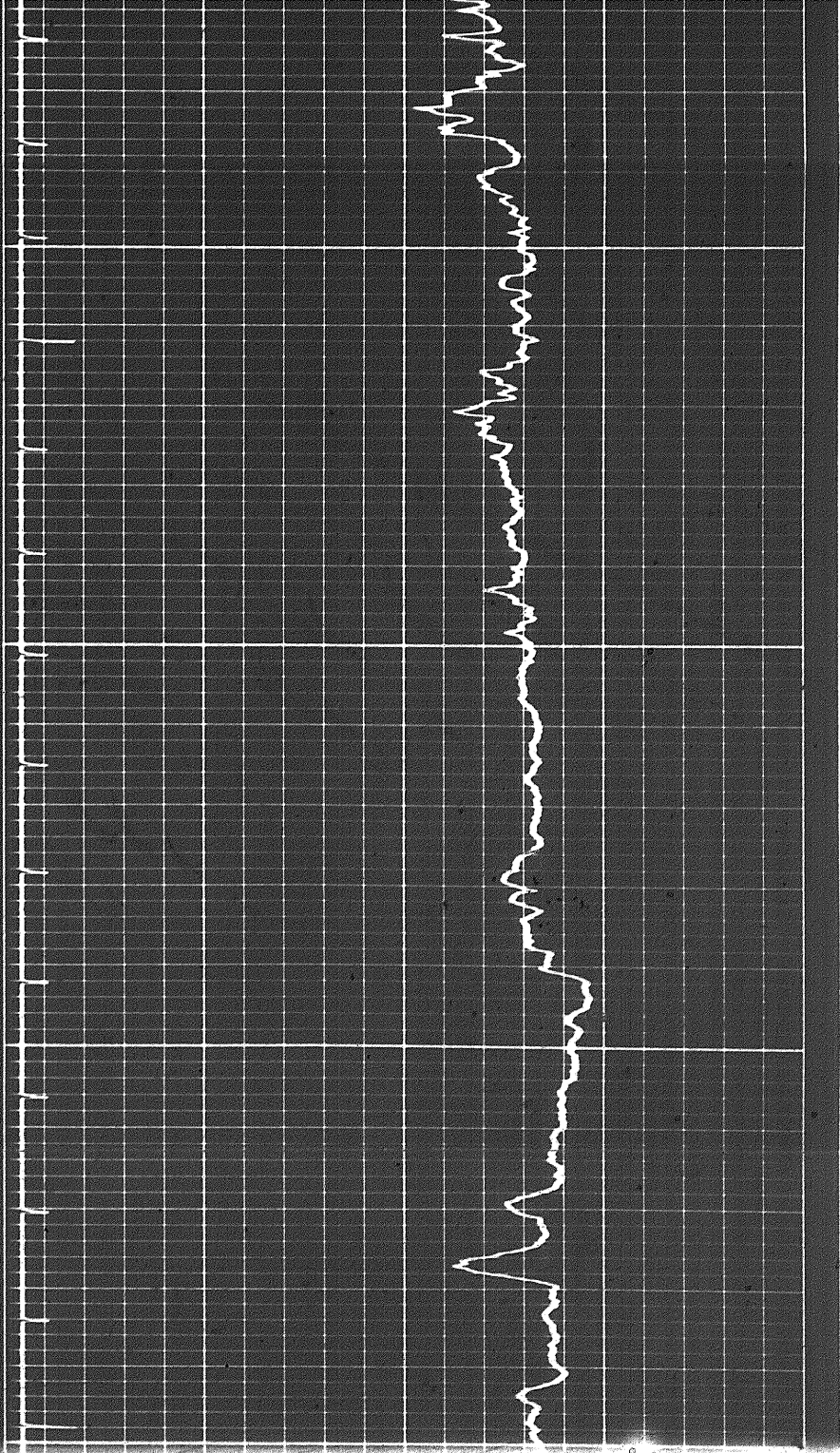


4800

4900

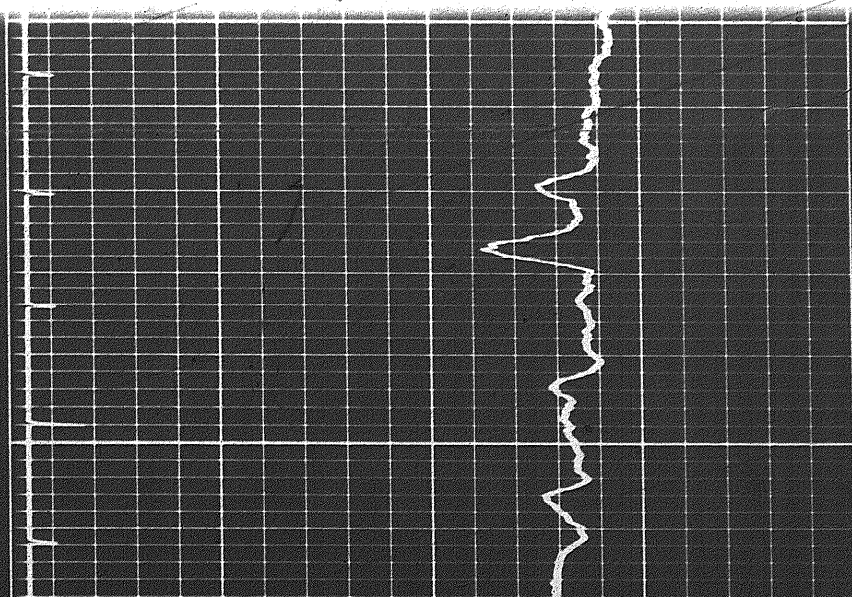
5000





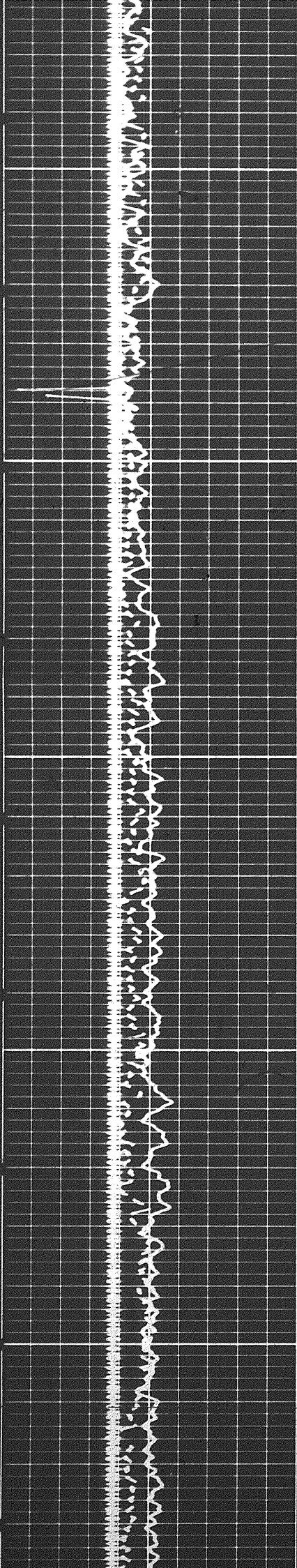
5100

520



5200

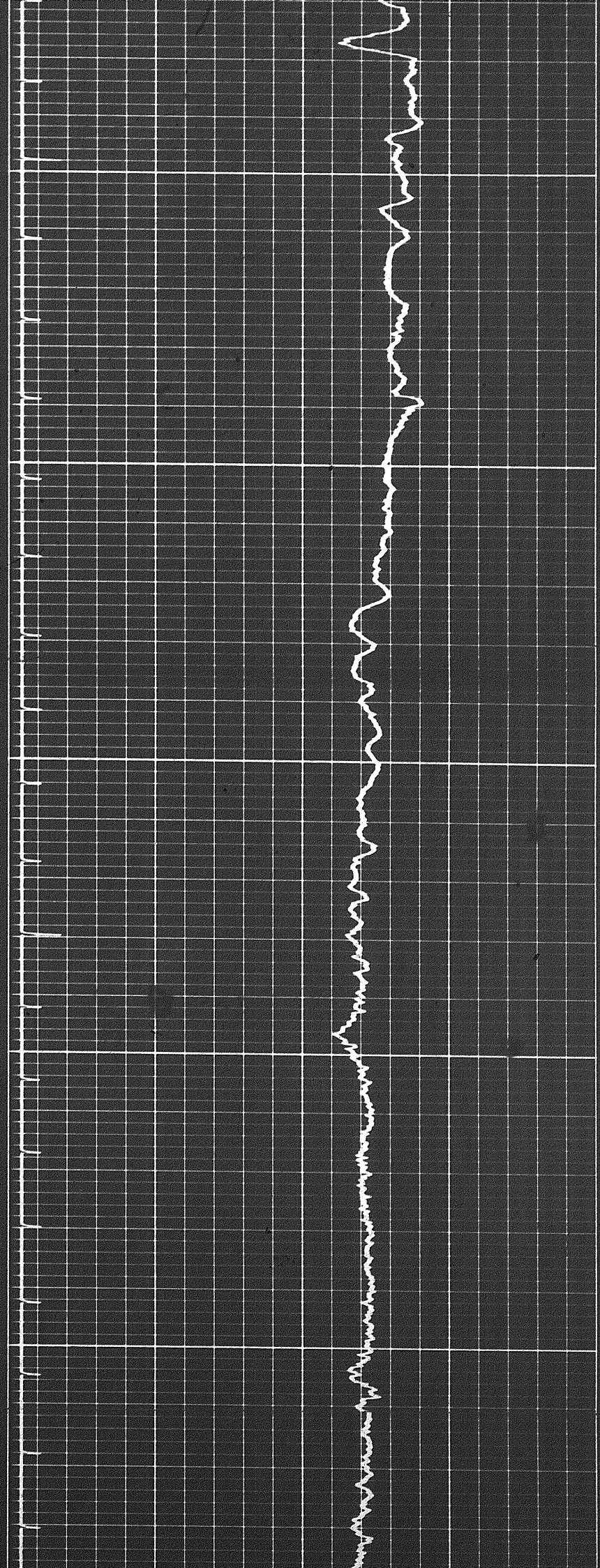
152

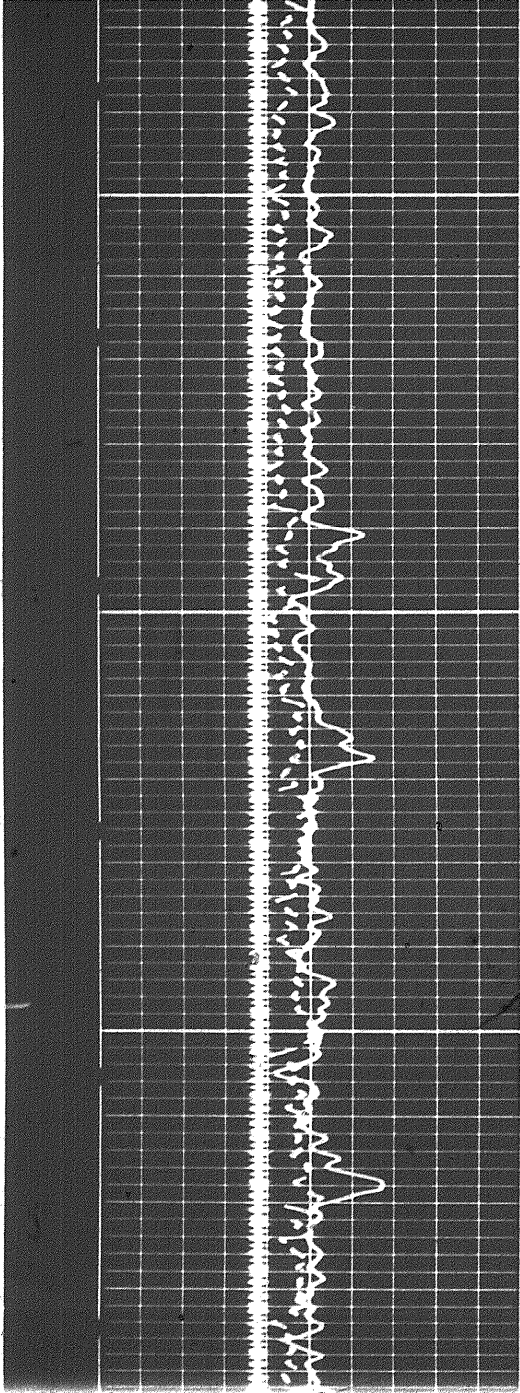


5200

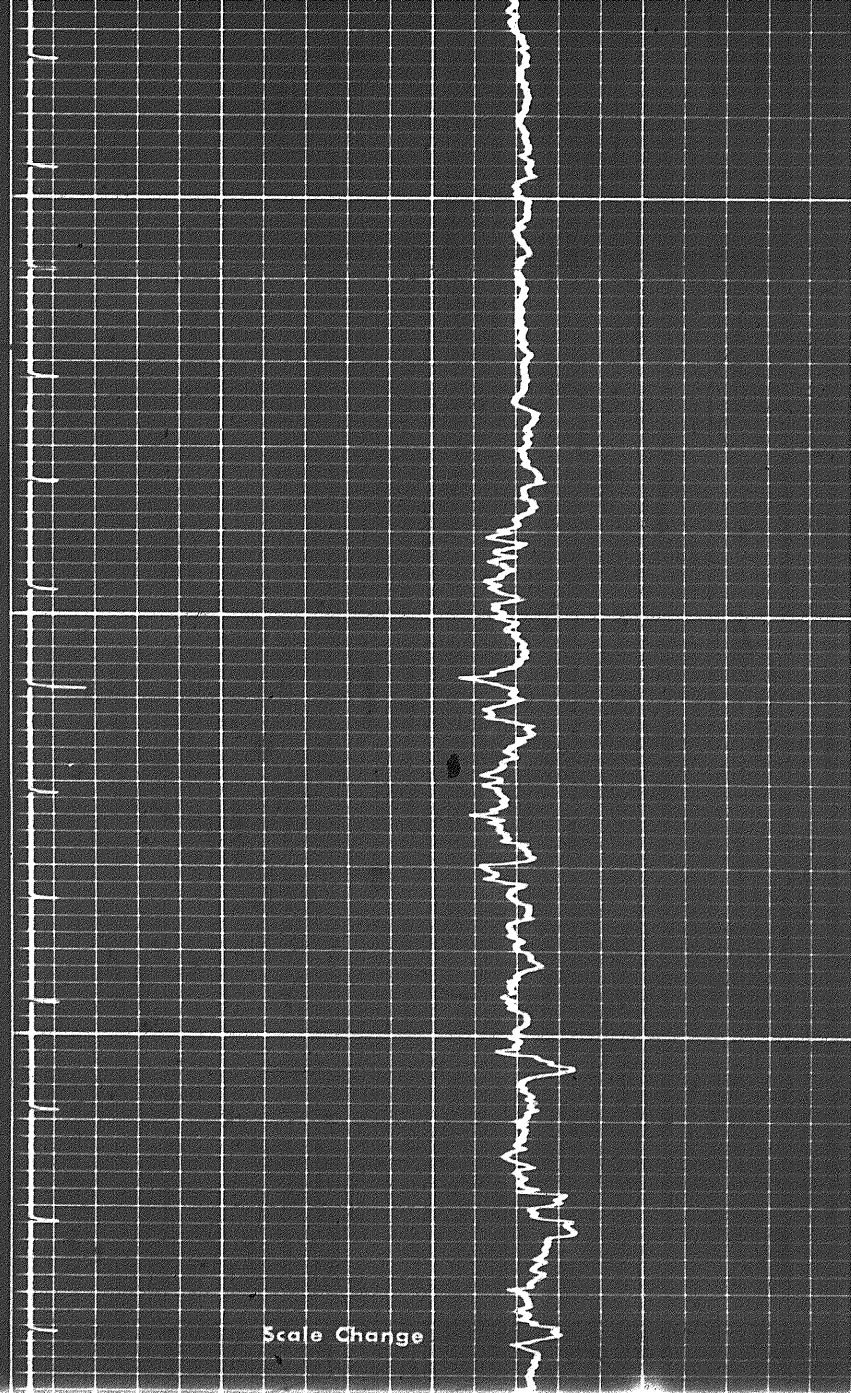
5300

5400

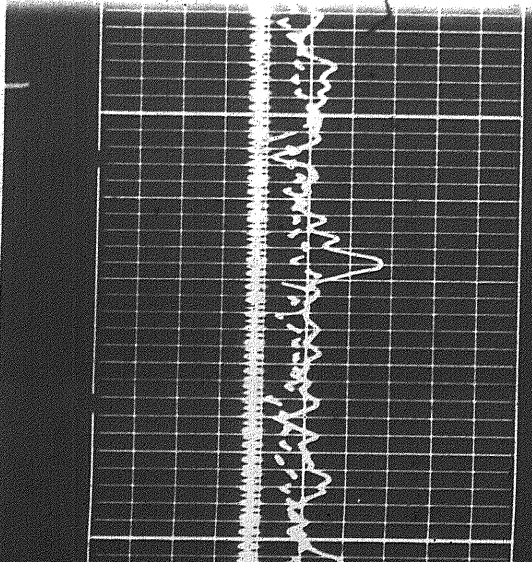




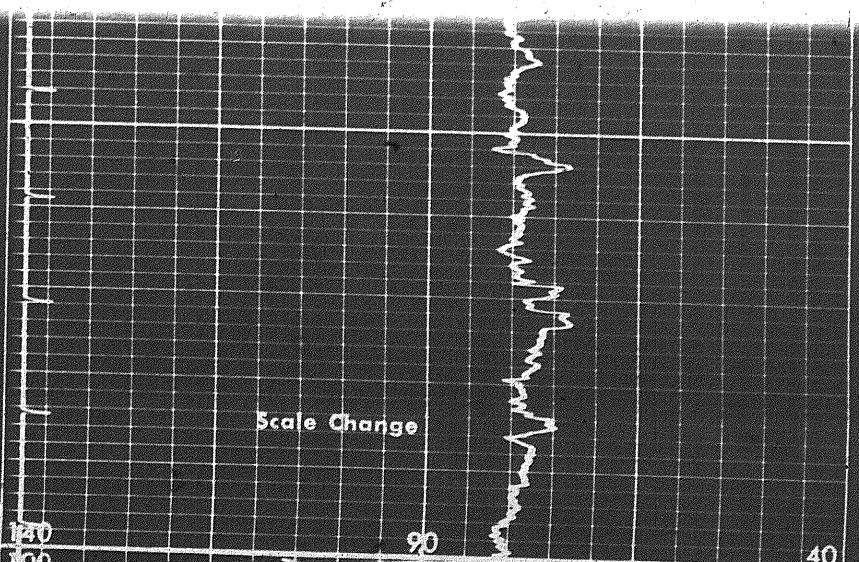
5700



Scale Change



5800

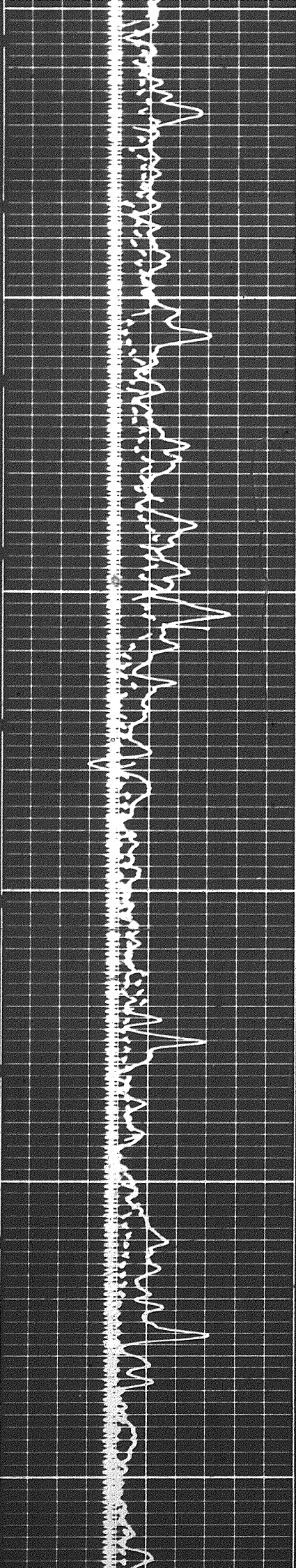


Scale Change

90

40

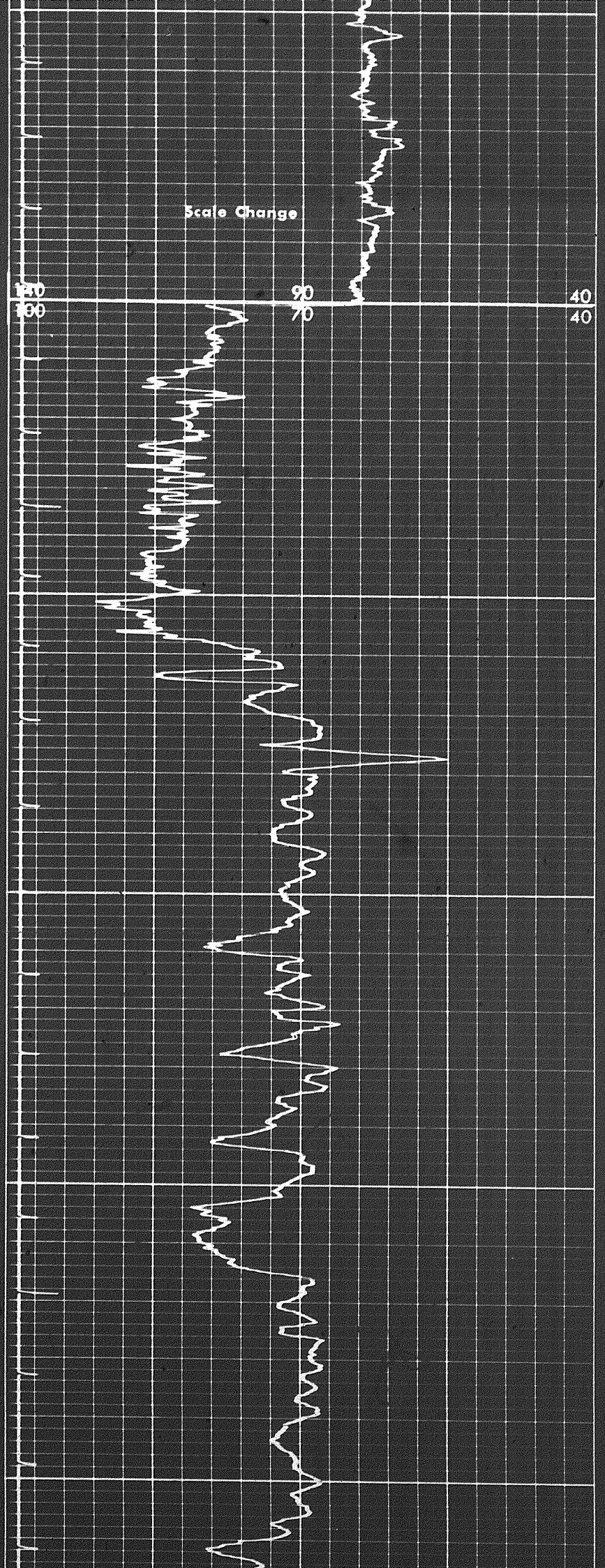
11-24



5900

5900

5900



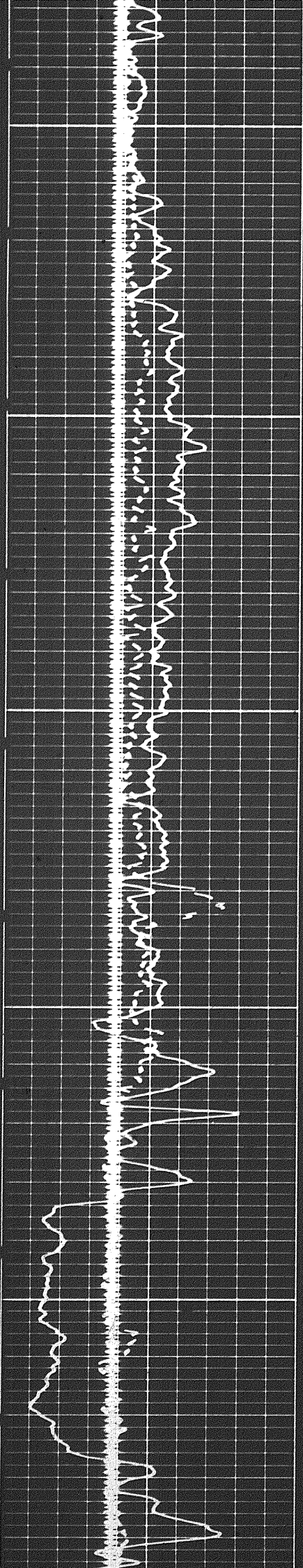
Scale Change

40

40

40

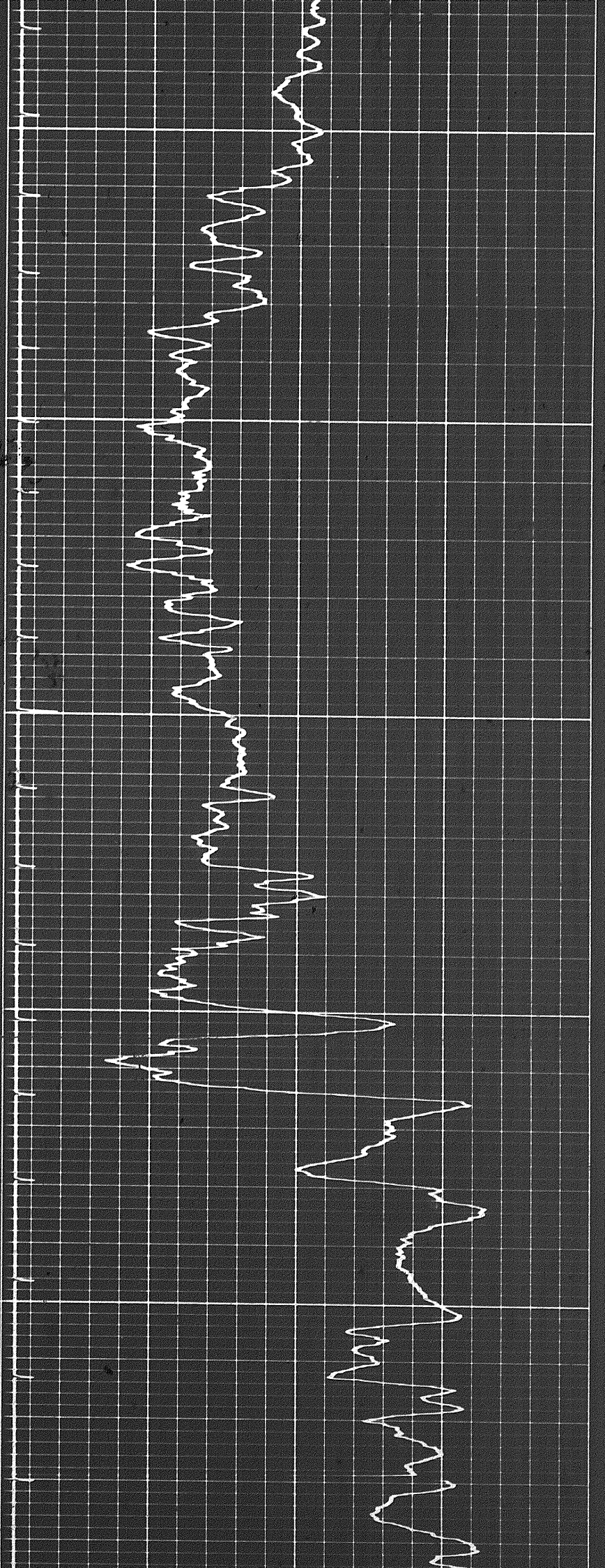
40

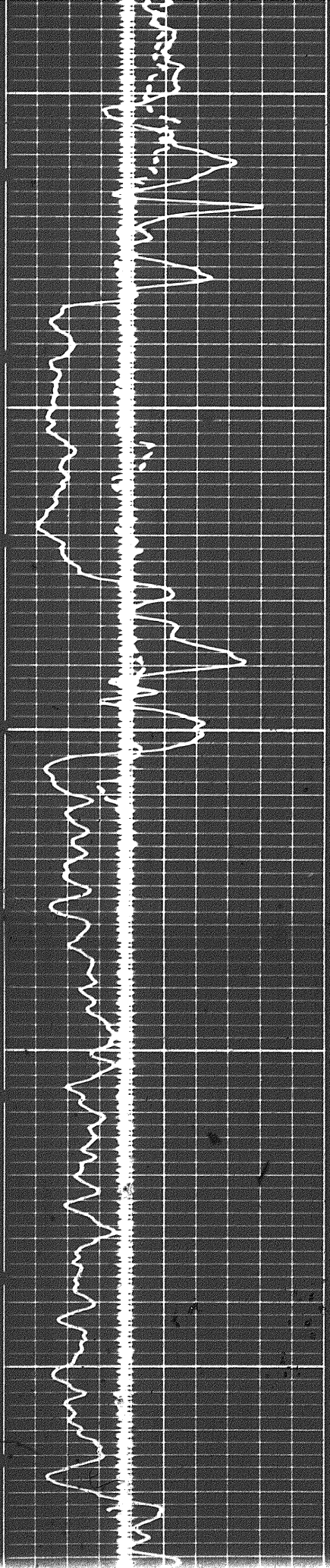


6000

6100

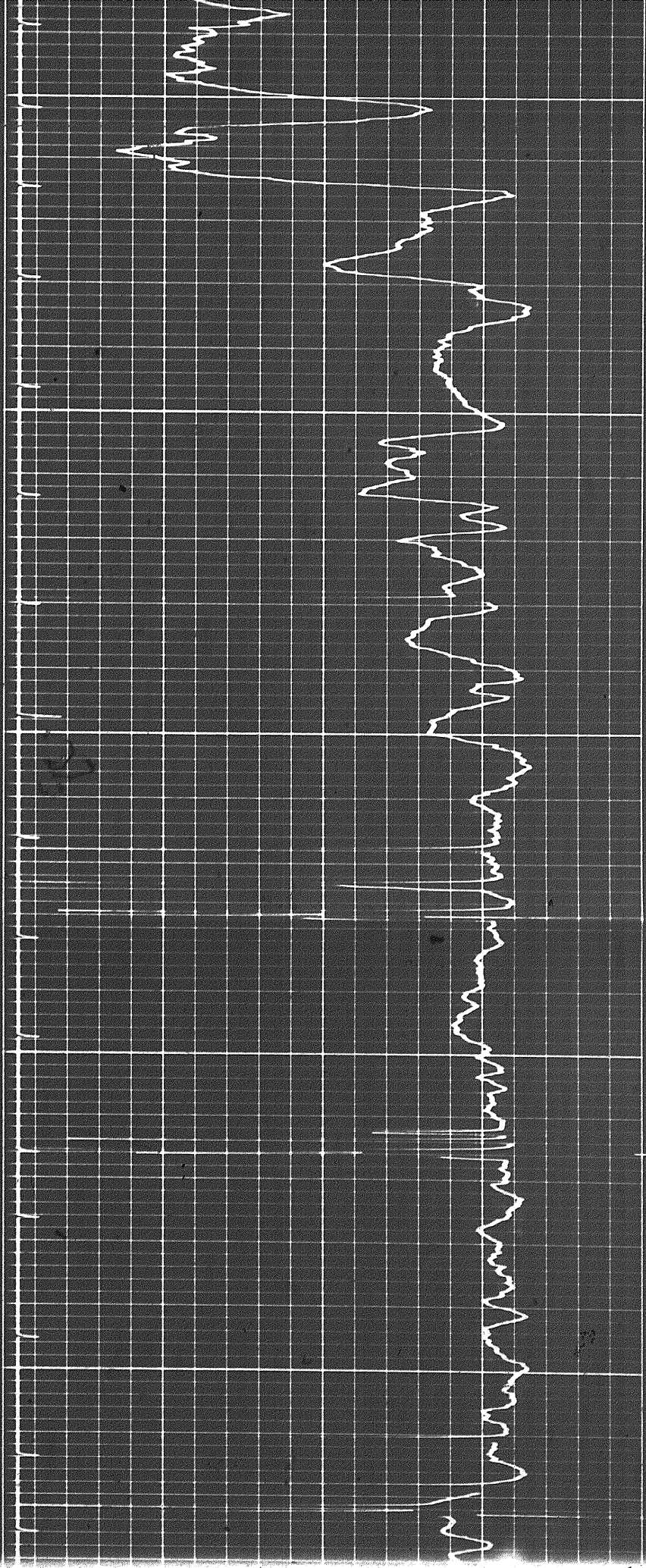
6200



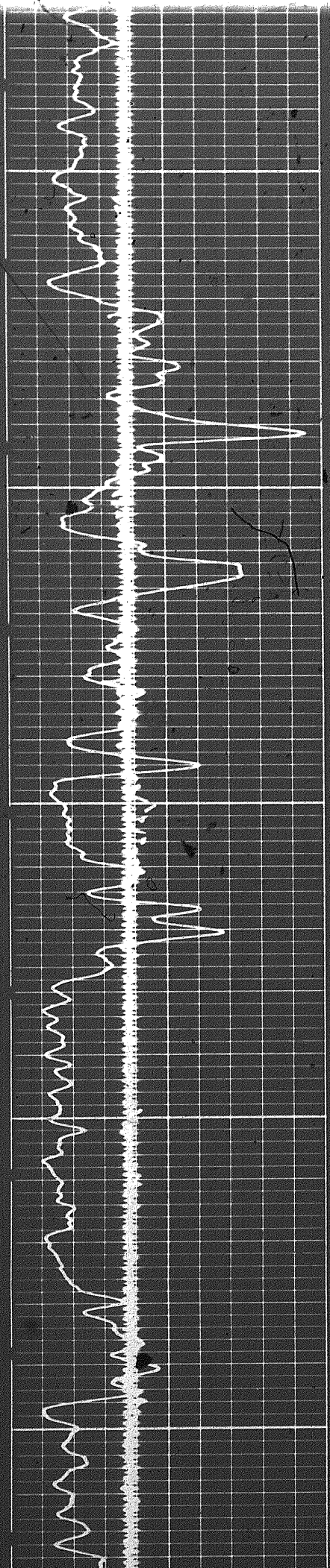


6200

6300

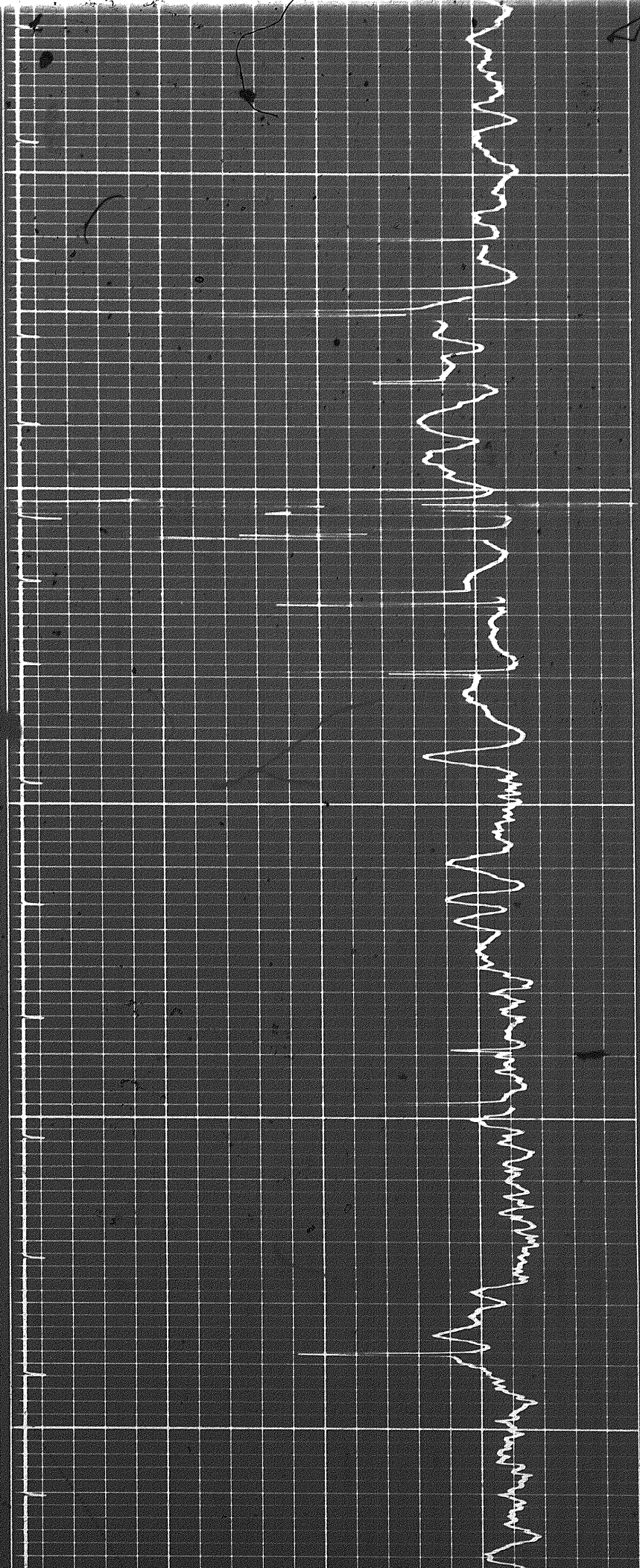


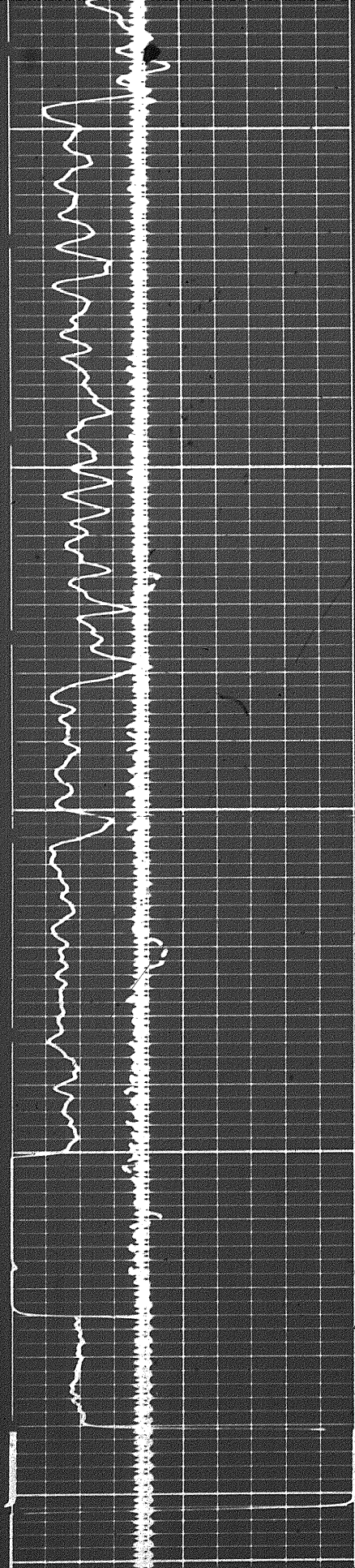
102



6400

6500



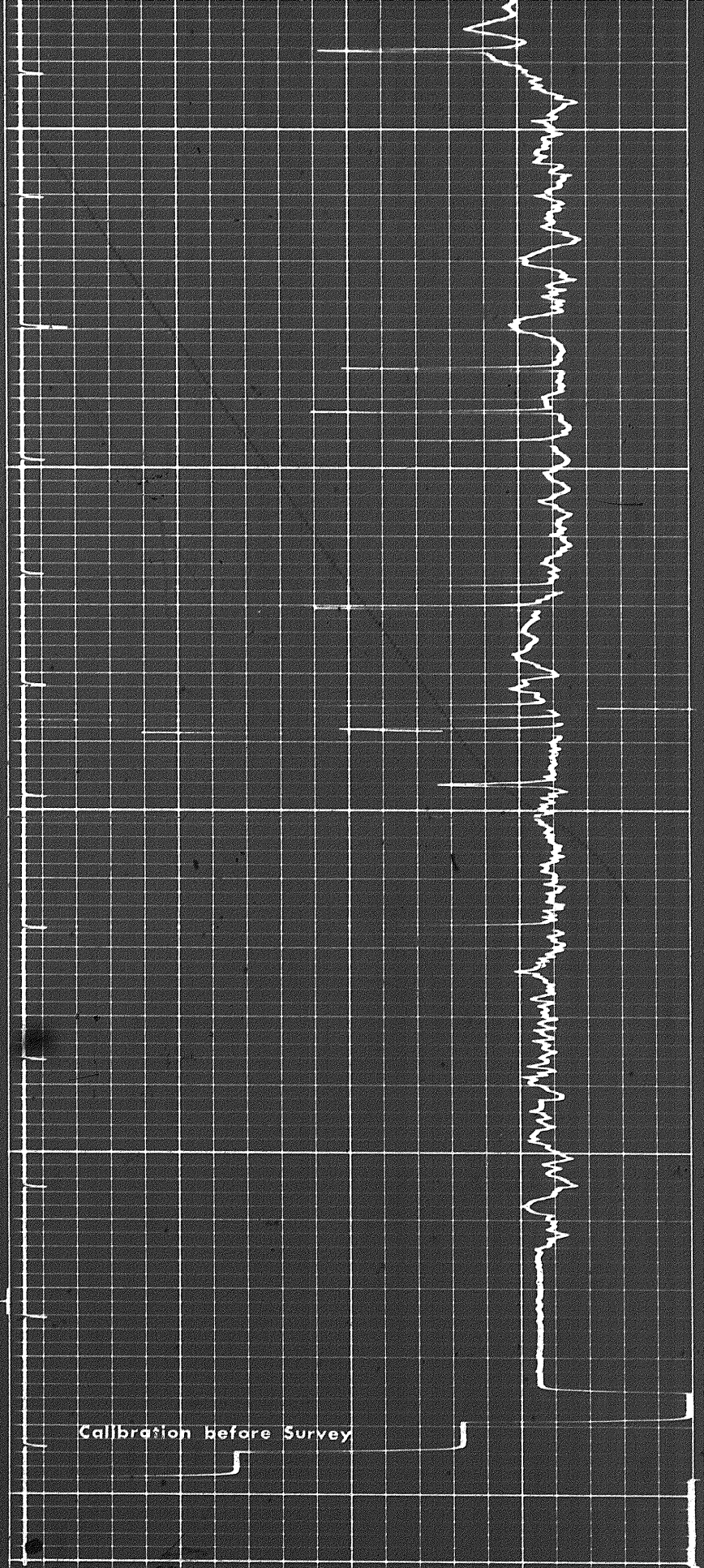


6600

6700

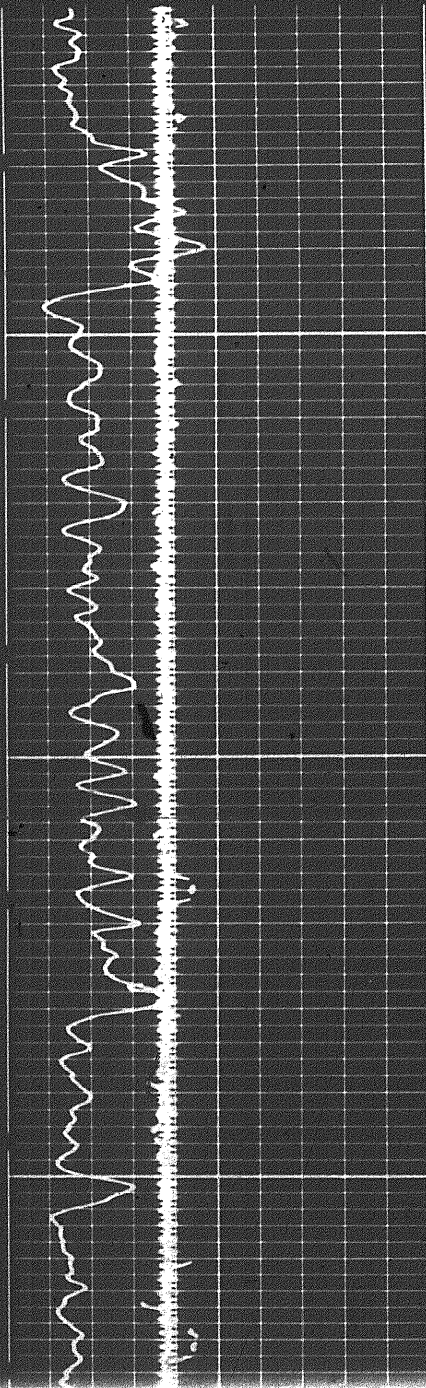
FR

6800

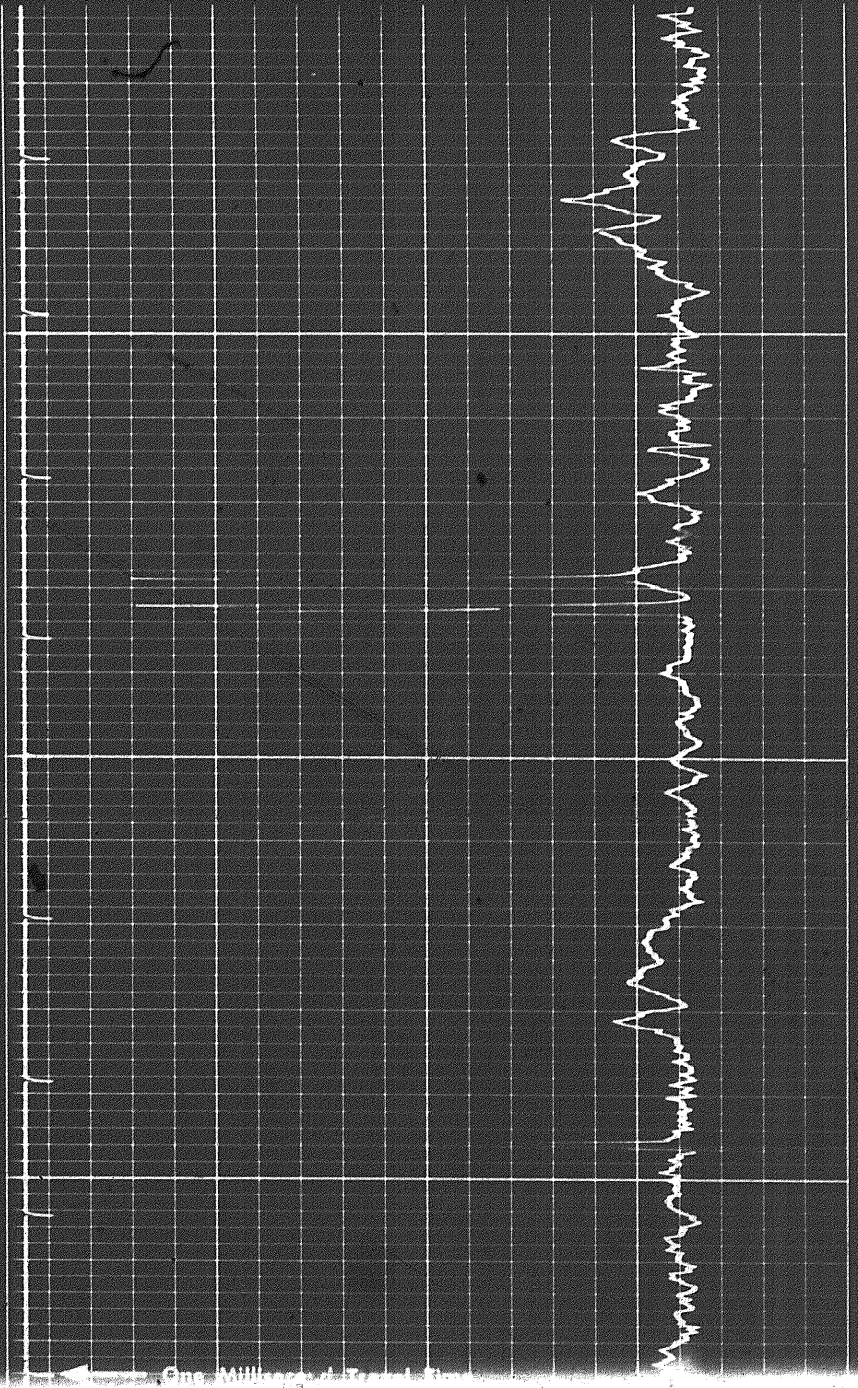


Calibration before Survey

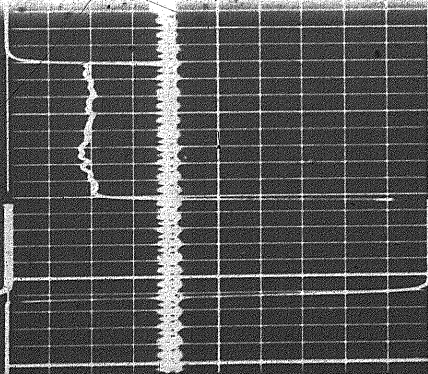
REPEAT SECTION



0099

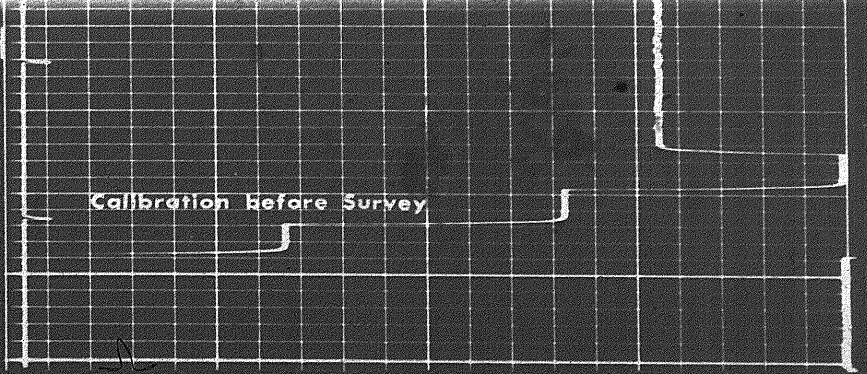


← One Millimeter of Travel time



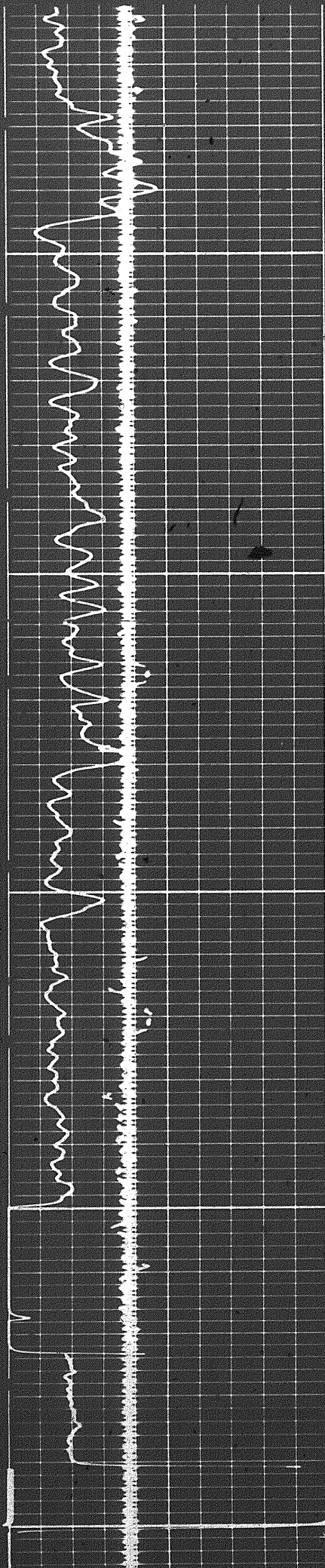
FR

659



Calibration Before Survey

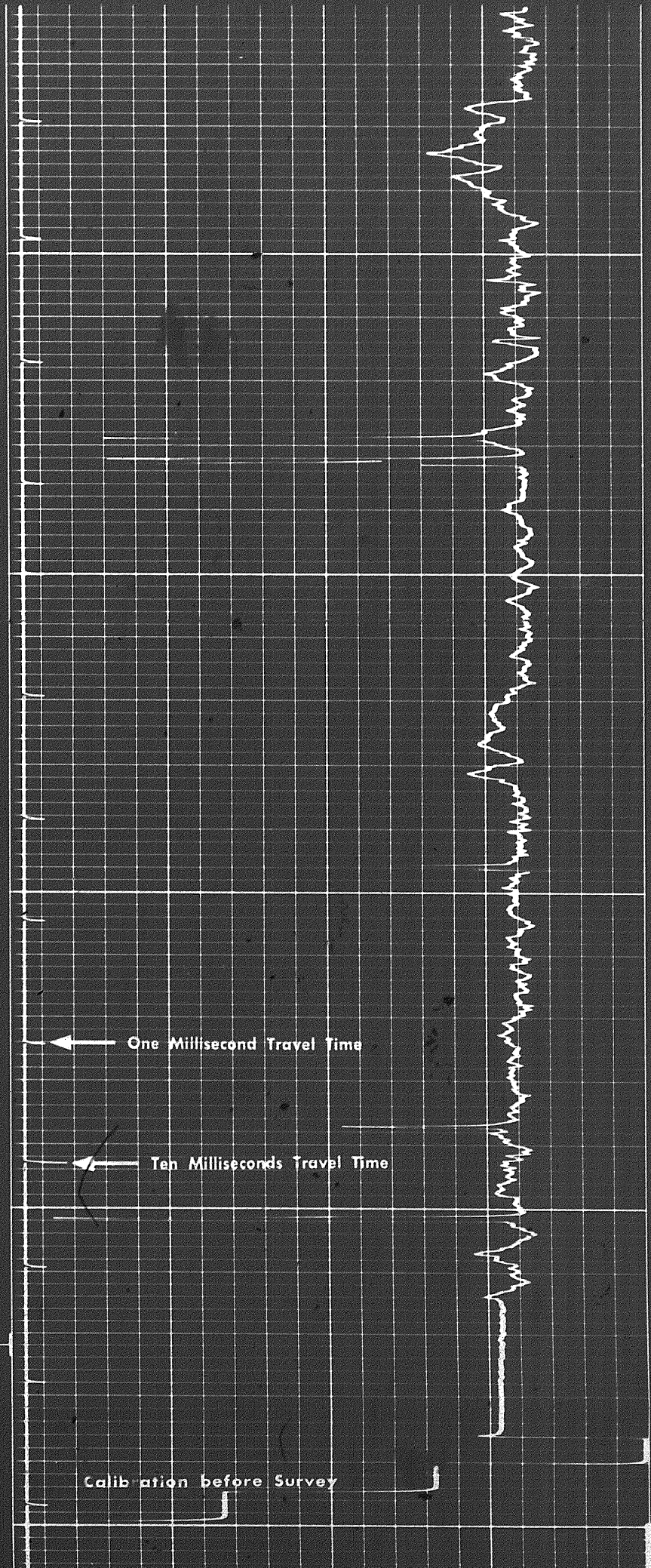
REPEAT SECTION



6600

6700

FR



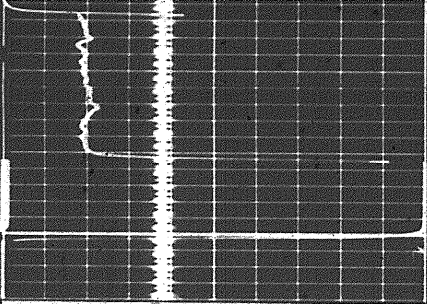
One Millisecond Travel Time

Ten Milliseconds Travel Time

Calibration before Survey

12/10

FR



Calibration before Survey



6 7 8 9 10 11 12 13 14

CALIPER
hole diameter in inches

Sens. 150 T.C. 2
Zero 0 div. to left

0 150 300

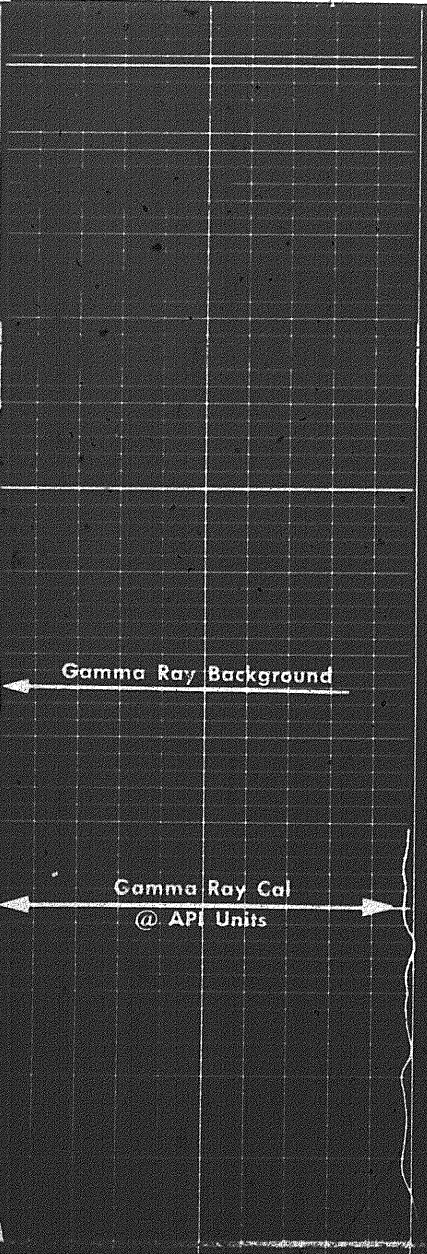
Speed in FPM

160 130 100
100 70 40

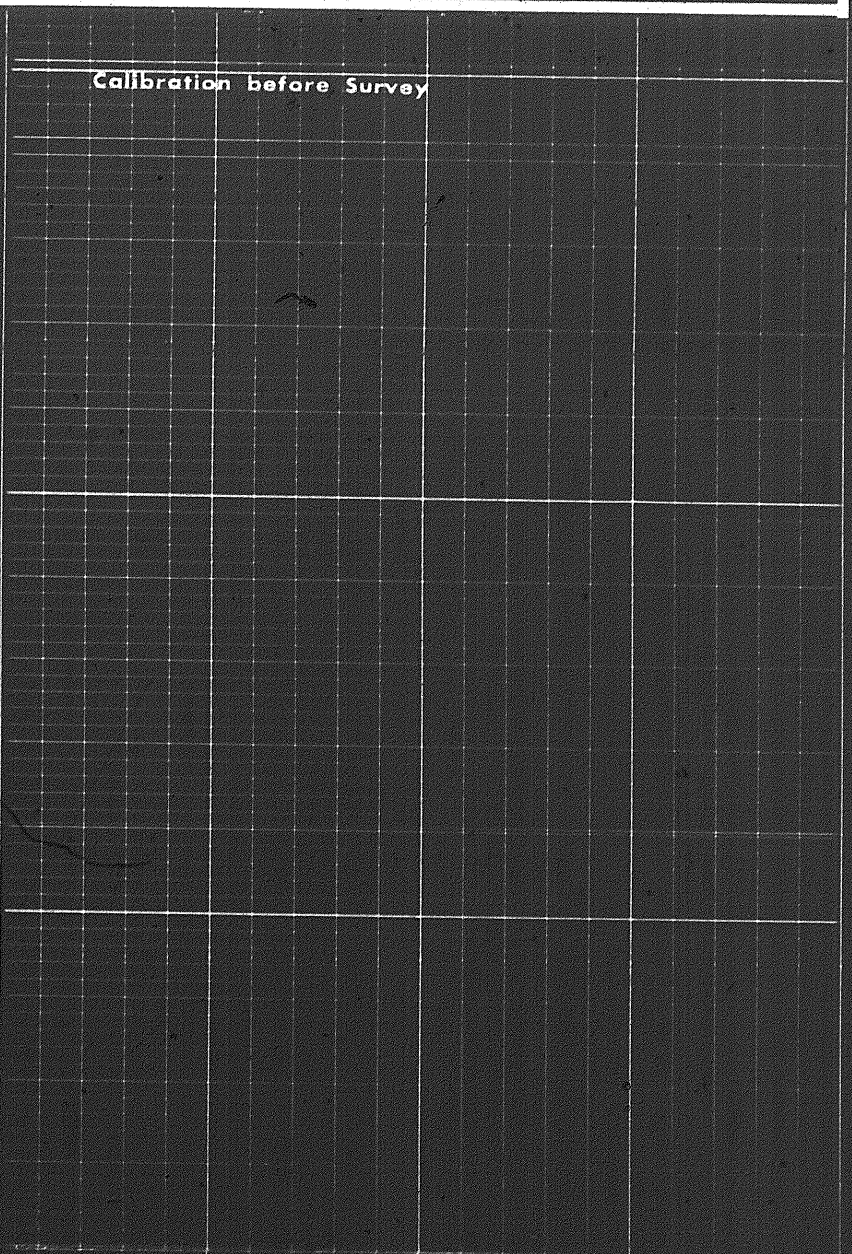
GAMMA RAY
API UNITS

DEPTH

SONIC
INTERVAL TRANSIT TIME
microseconds per foot



Calibration before Survey



Gamma Ray Background

Gamma Ray Cal
@ API Units

31 RING