



# DUAT LATEROLOG

**PROVINCE** YUKON TERRITORY  
**FIELD** WILDCAT  
**WELL** COLUMBIA ET AL NORTHWEST  
 YTF-37  
**COMPANY** COLUMBIA GAS DEVELOPMENT  
 OF CANADA LTD.

**COMPANY** COLUMBIA GAS DEVELOPMENT OF CANADA LTD.  
**WELL** COLUMBIA ET AL NORTHWEST  
 YTF-37  
**FIELD** WILDCAT  
**PROVINCE** YUKON TERRITORY  
**LOCATION** 600 96 27th LONG  
 1240 07 16th LAT  
 Permanent Datum GL Elev. 2013  
 Log Measured From KB 27 Ft. Above Perm. Datum  
 Other Services: ELEV KB 2013  
 FID-CV GL  
 CBF

Date	1 JULY 78
Run No.	ONE
First Reading	9677
Last Reading	3470
Feet Measured	6557
Depth Reached	9991
Bottom Driller	9989
Csg. SOC	3420
Csg. D. Iiter	3421
Mud Nature	KCL
Dens. Visc	9.7 85
Mud pH	9.5
Water Loss	30.0
Res.	0.14 @ 05 F
Ref.	0.09 @ 68 F
@ BHT	0.03 @ 188 F
Range	0.01 @ 66 F
Source of Sample	CIRCULATION
Bit Size	12 1/4"
Op. Rig Time	4.5 hrs
Truck No.	050-7 39
Recorded By	GRONLUND
Witness	GILBERTSON

10 AUG 78 CAL LM  
**REMARKS** LOG TAPED  
 Drilling Stopped 0015 / 4th Circulation Stopped 1445 / 4th Tool on Bottom 2330 / 4th 1st Run Service Order No. 30833  
 B.H.T. 188 °F

Stand Off = Inches  
 Cartridge No. C 741 BR 772  
 Panel No. BC 734 CC 989  
 Sonde No. BB 746  
 Mem. No. ABF 863  
 G.R. Cart No.  
 TTR. No. E 998  
 Cent. Device CME-Z & CME-H

HOLE DEVIATION UP TO 18°  
 SP DRIFT WAS NOT PREVENTABLE

**GAMMA RAY CALIBRATION:**  
 Background CPS. Test Source CPS. Galv. Increase Divisions Panel Sens. Tap for Cal.

SPONTANEOUS-POTENTIAL MILLIVOLTS	DEPTHS	RESISTIVITY OHMS M <sup>2</sup> M					
		DEEP LATEROLOG					
	GAMMA RAY API UNITS	0.2	1.0	10	100	1000	2000
		SHALLOW LATEROLOG					
		0.2	1.0	10	100	1000	2000

Speed in FPM

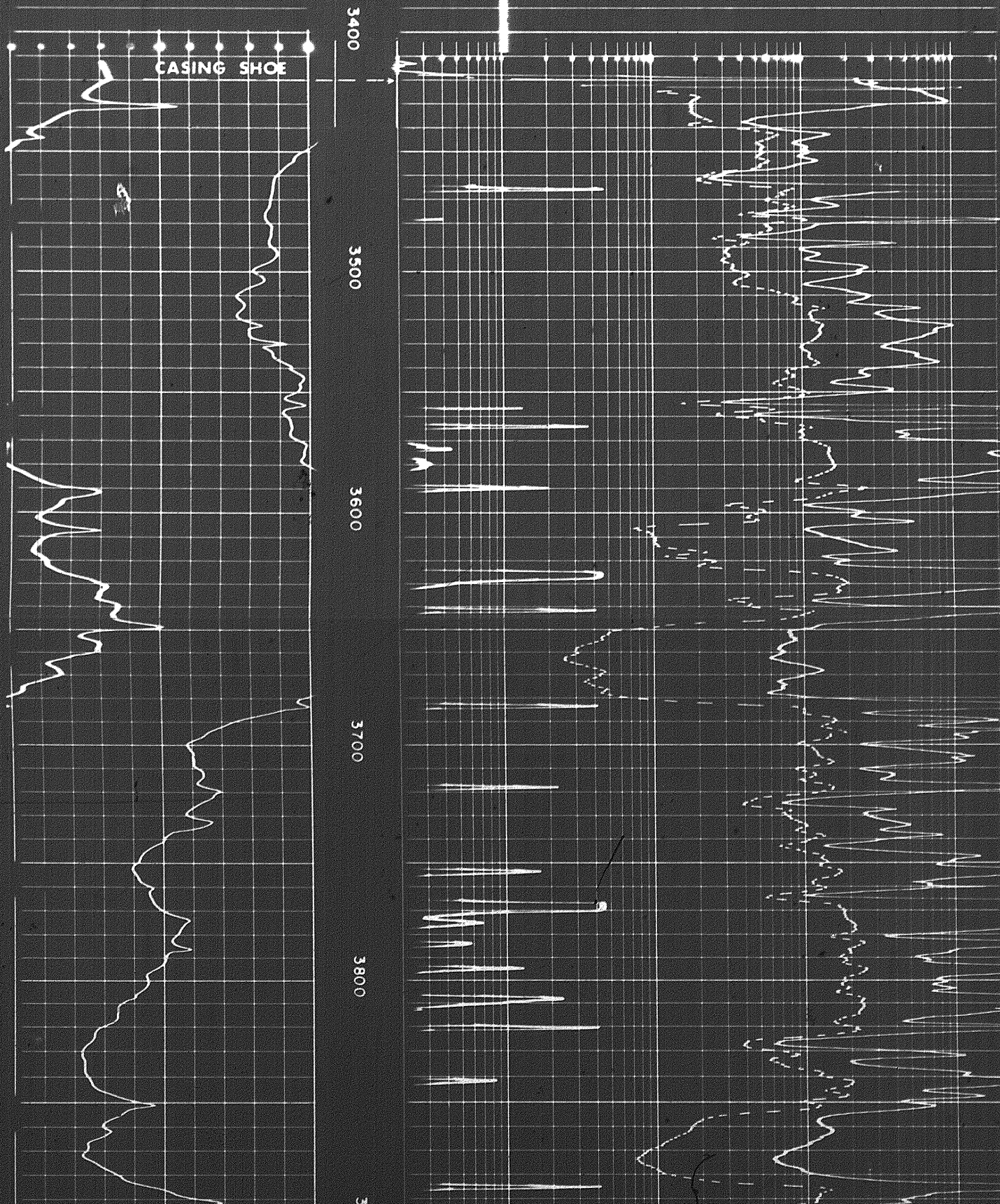
GAMMA RAY  
API UNITS

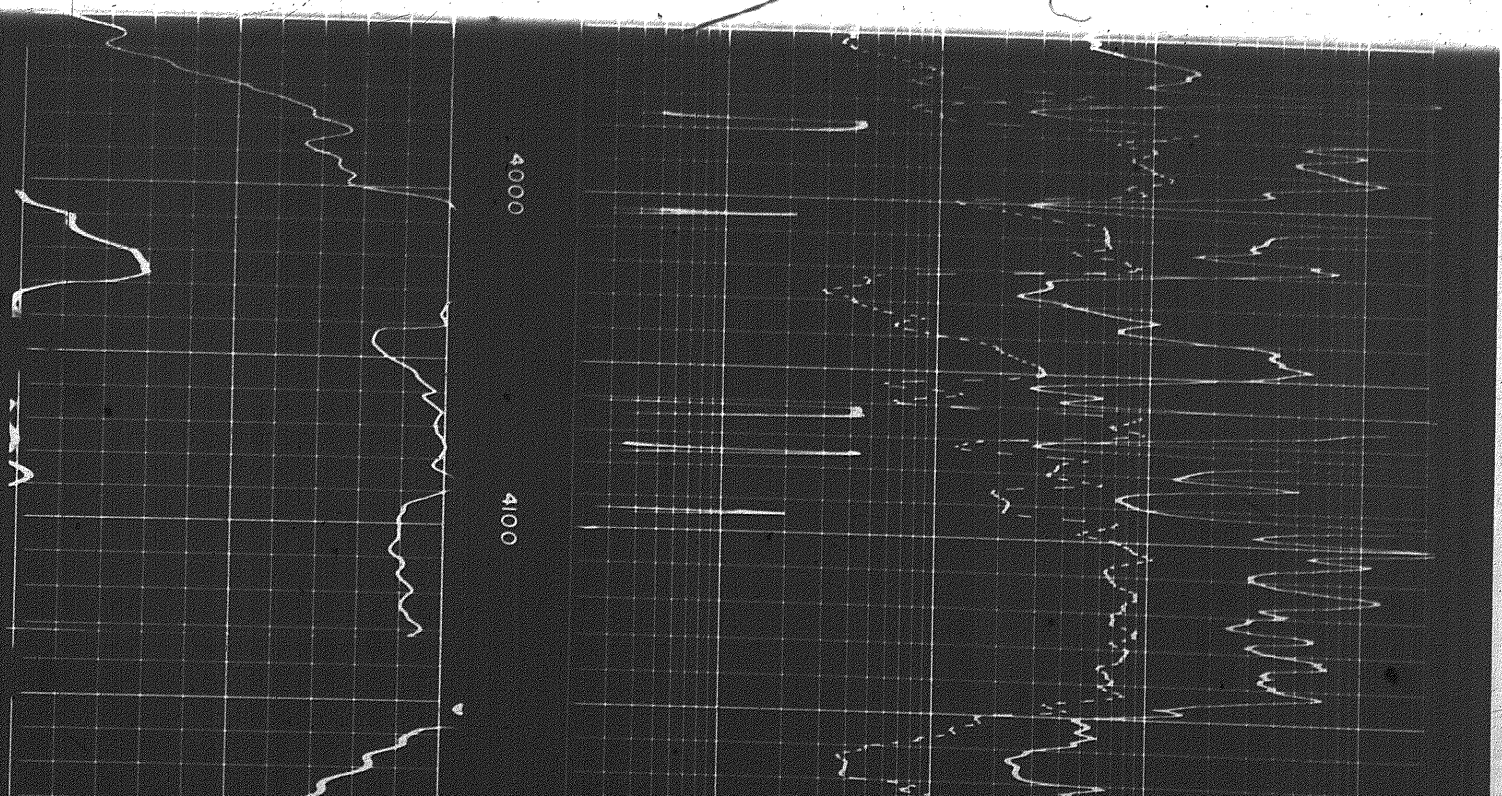
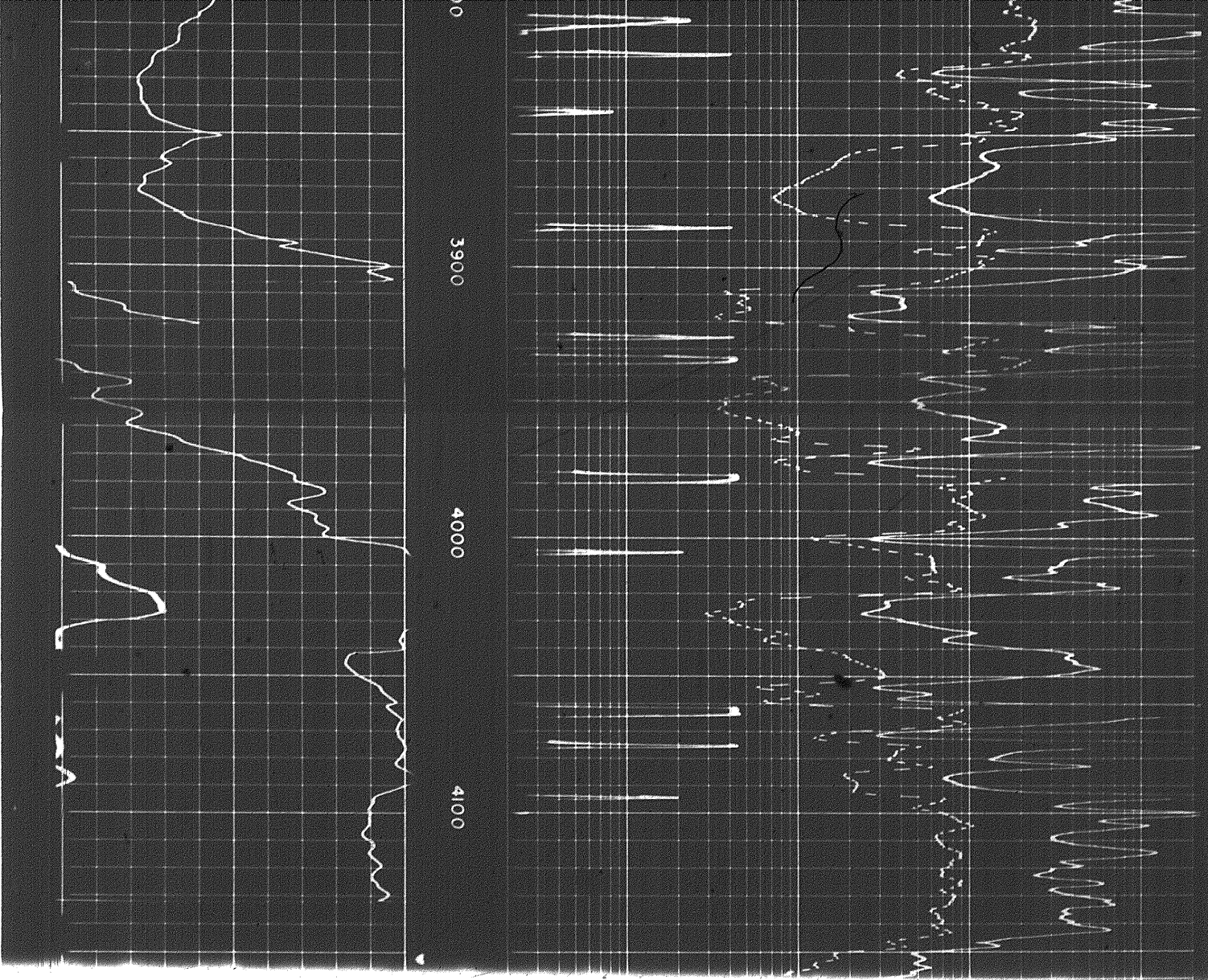
20

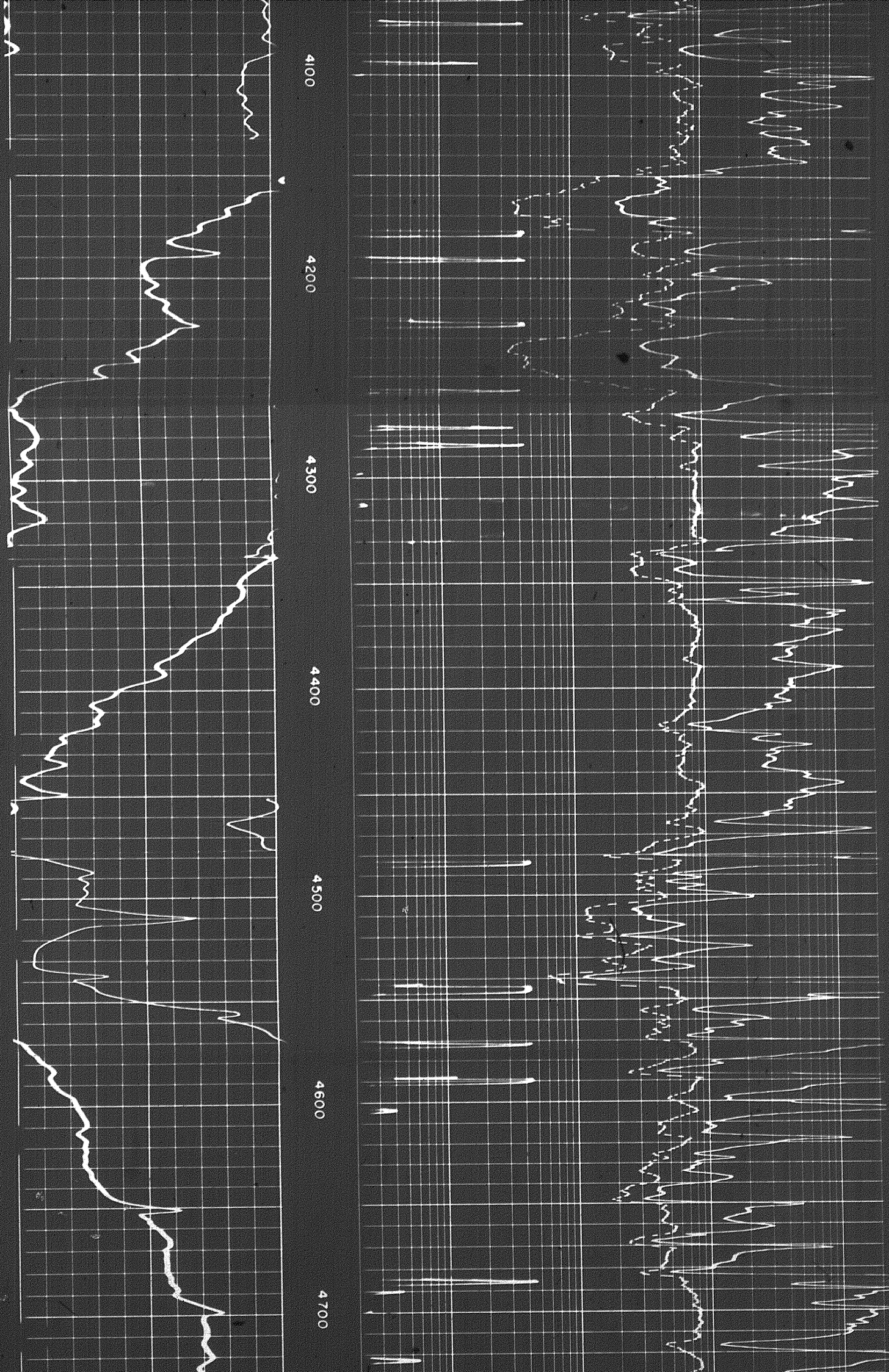
SHALLOW LATEROLOG

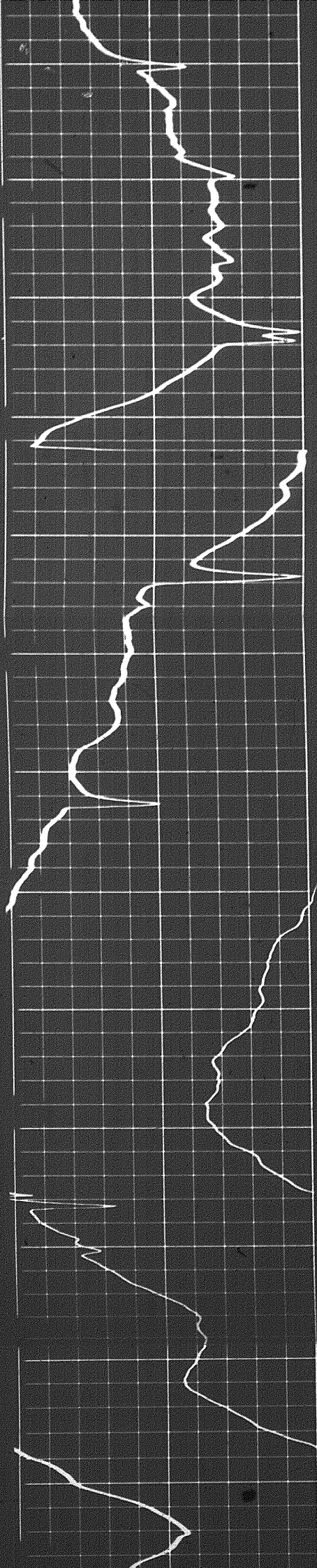
0.2 1.0 10 100 1000 2000

Speed in FPM









4700

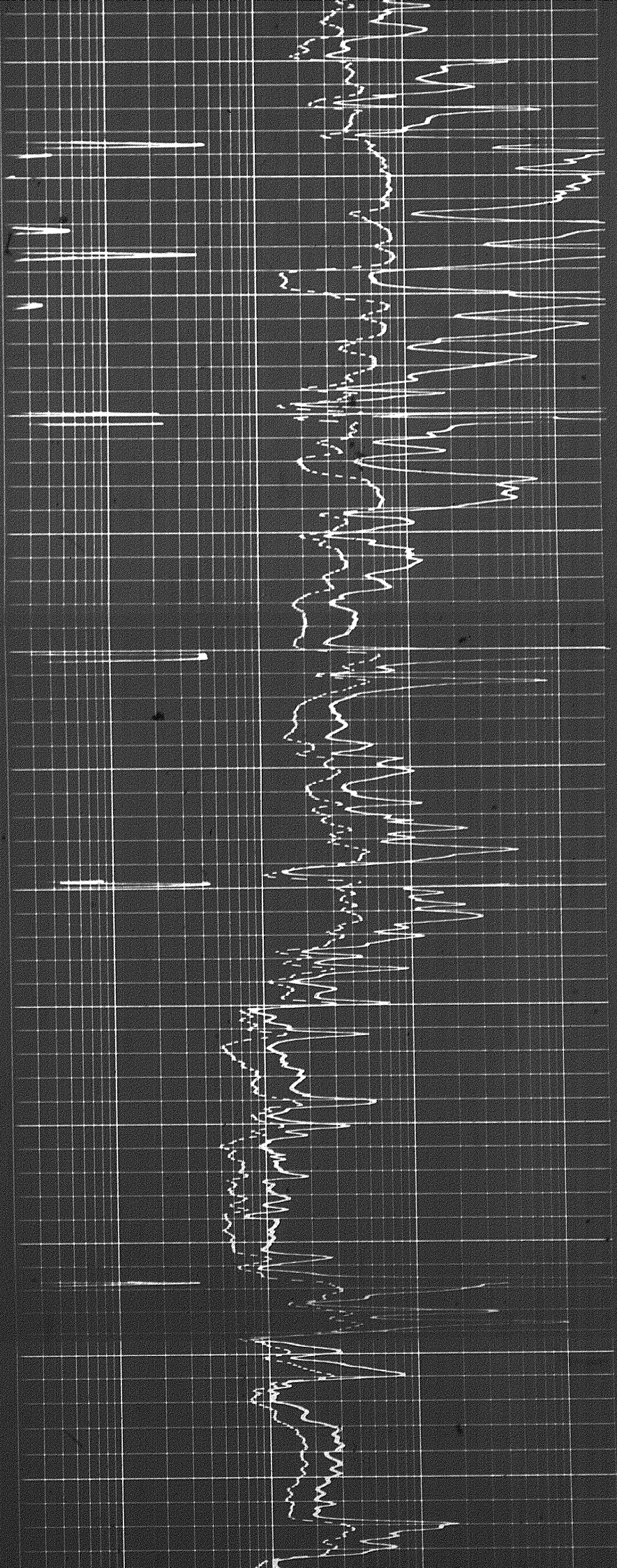
4800

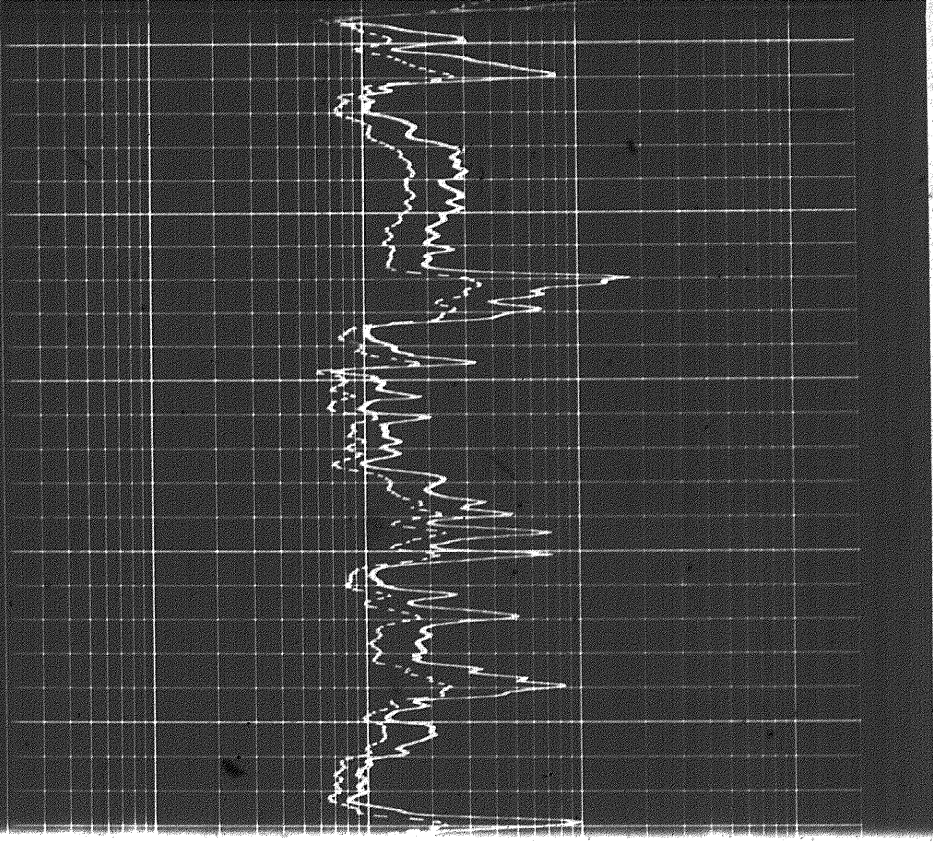
4900

5000

5100

5200

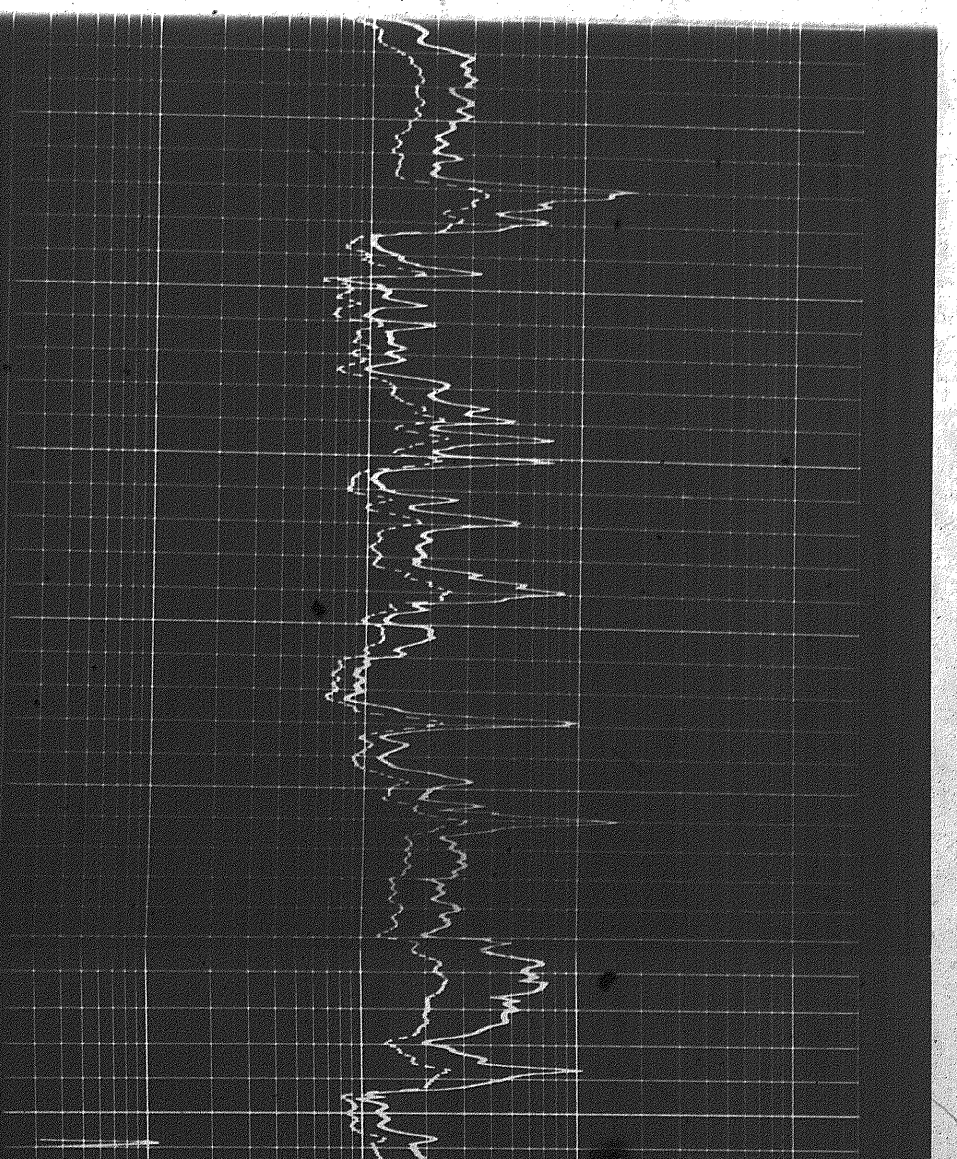
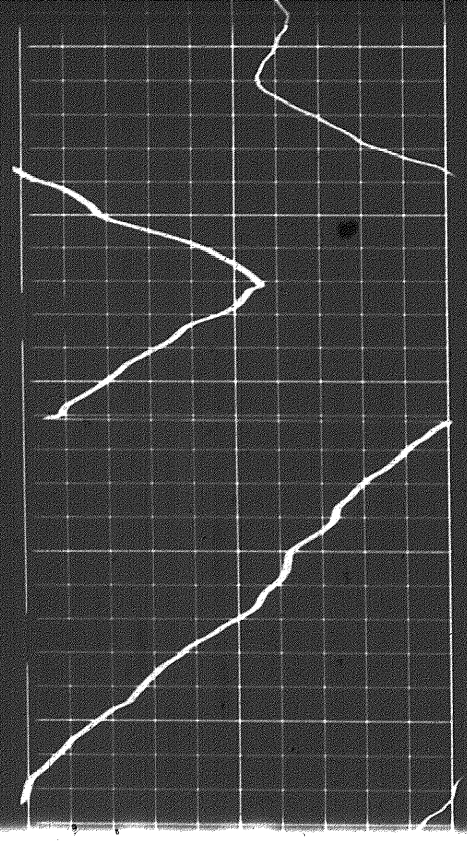




5200

5300

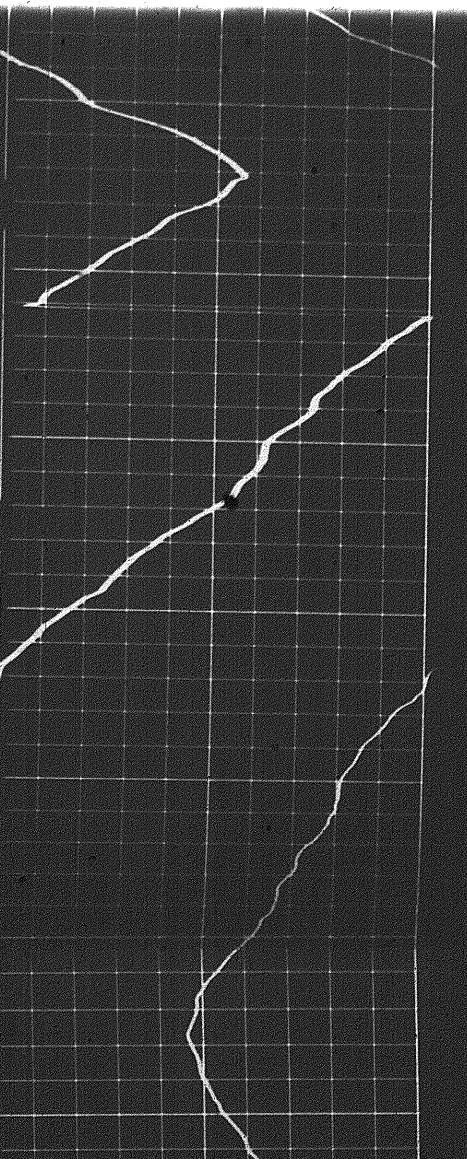
5400

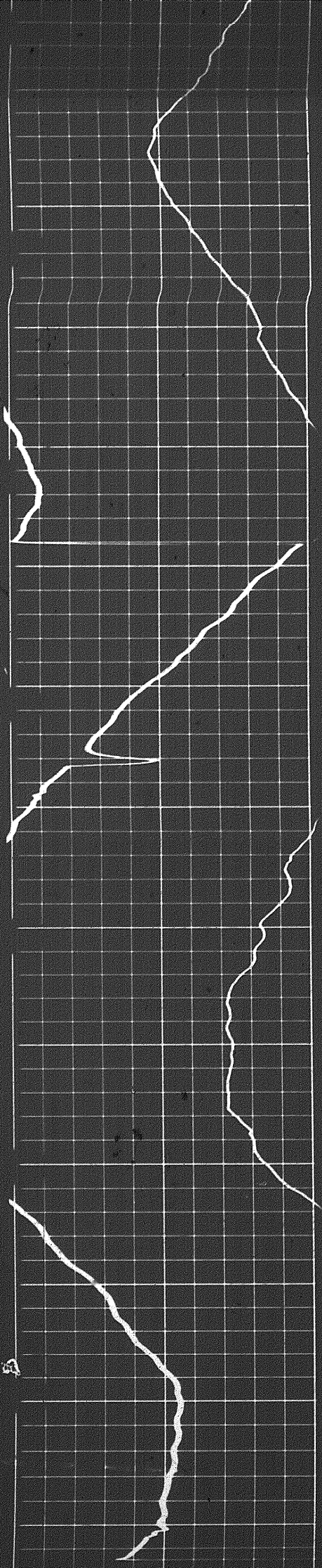


5300

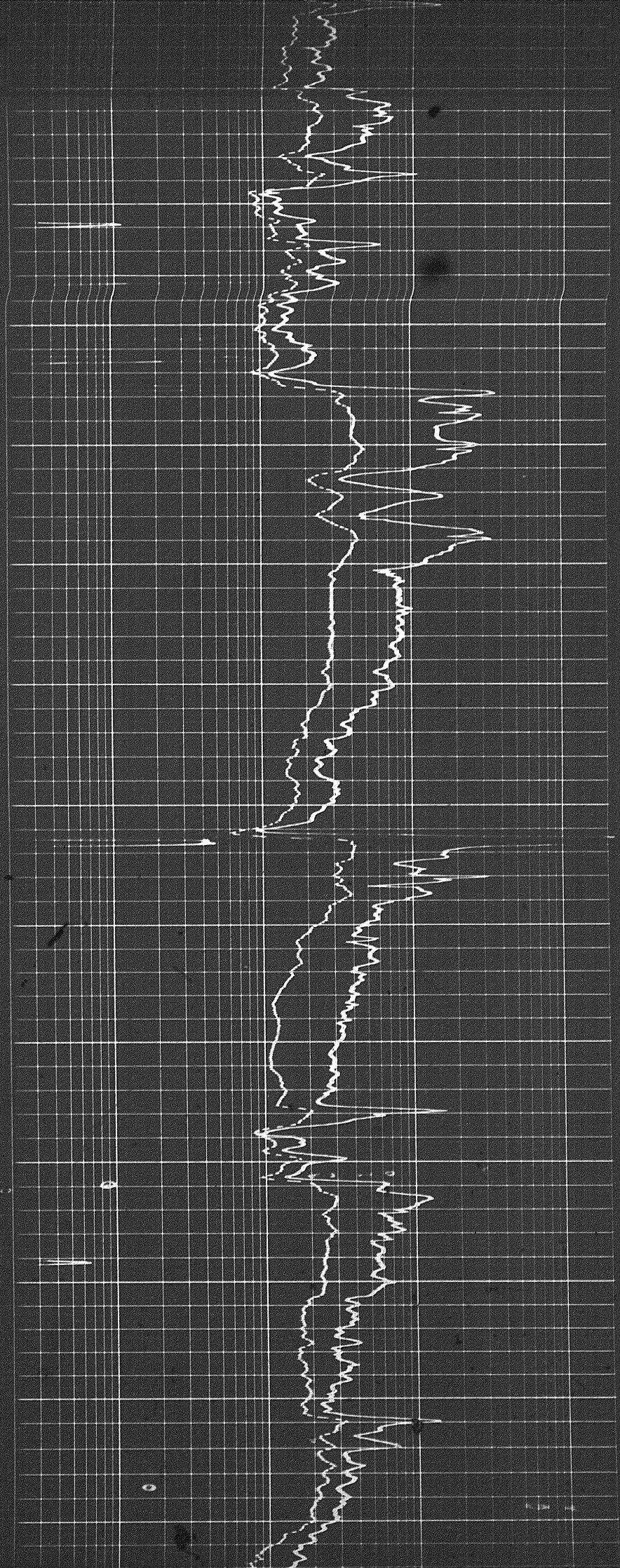
5400

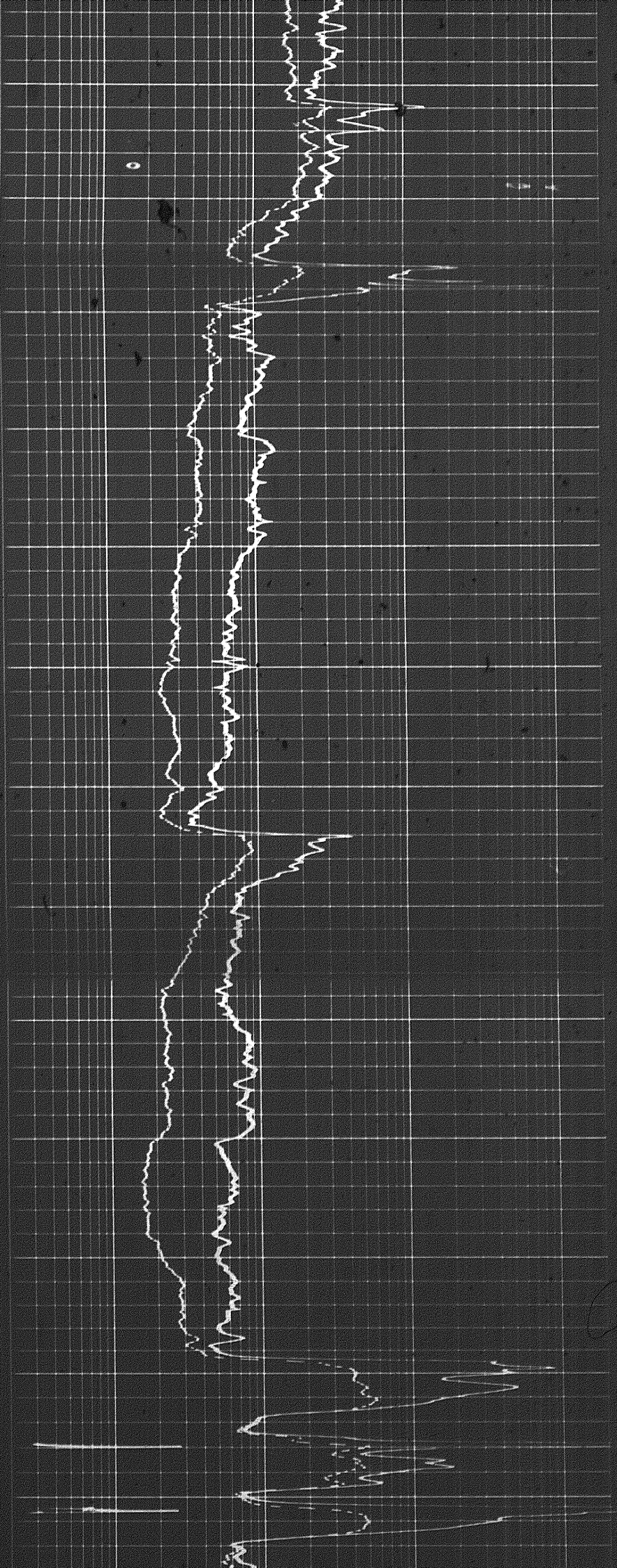
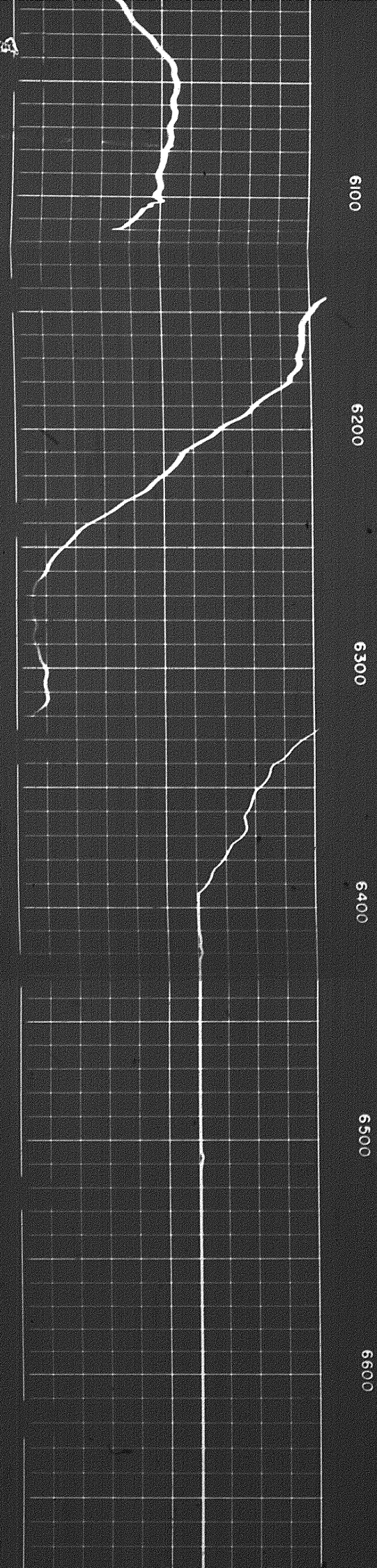
5500





5500  
5600  
5700  
5800  
5900  
6000  
6100

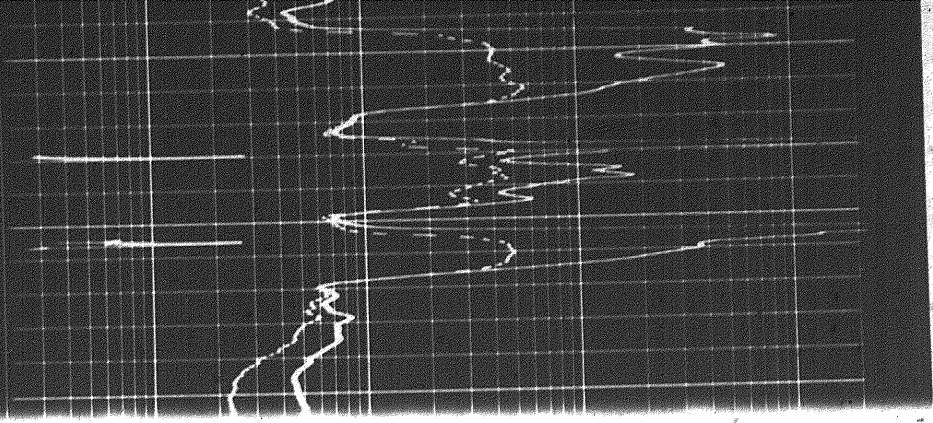






6600

6700



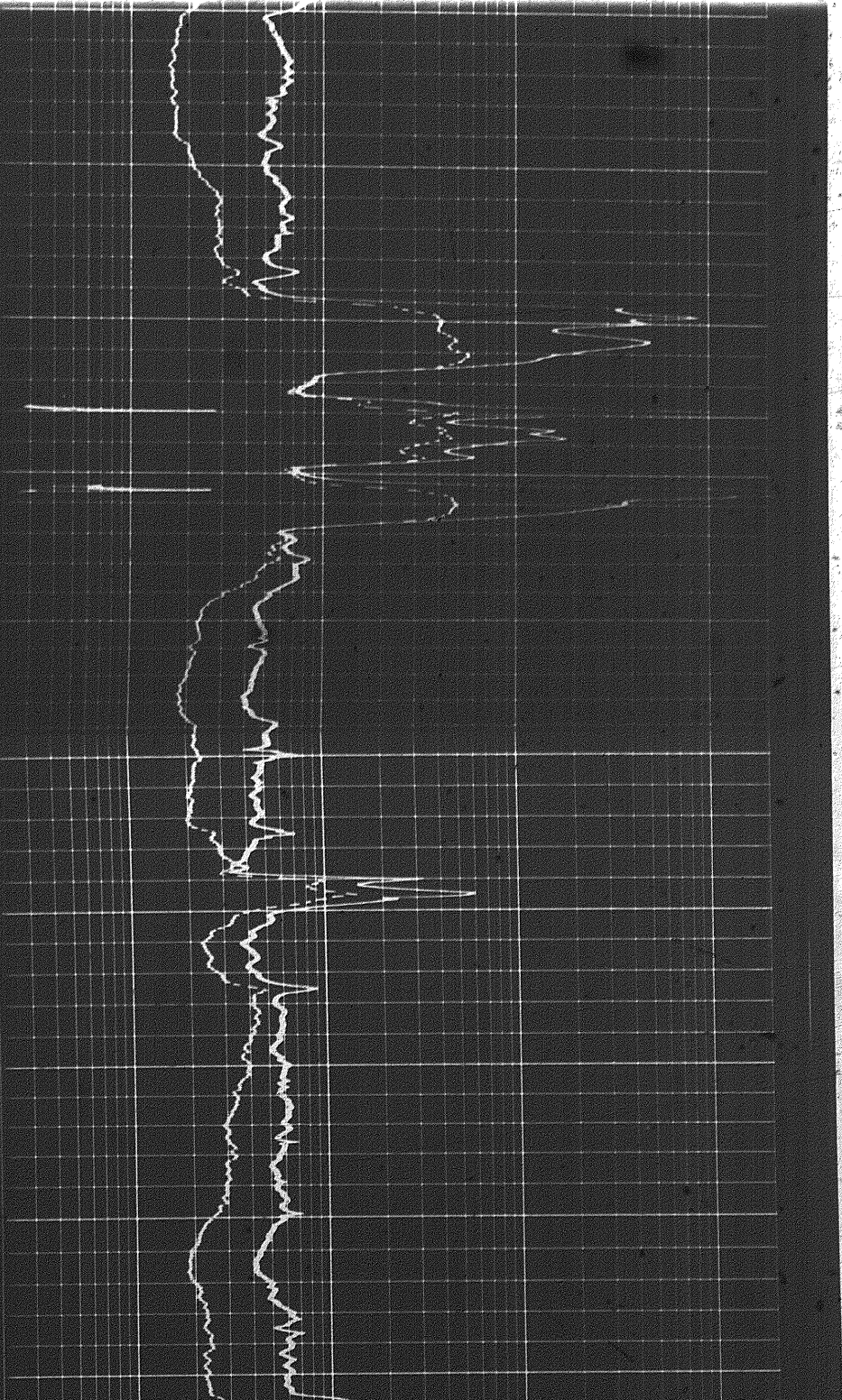
6600

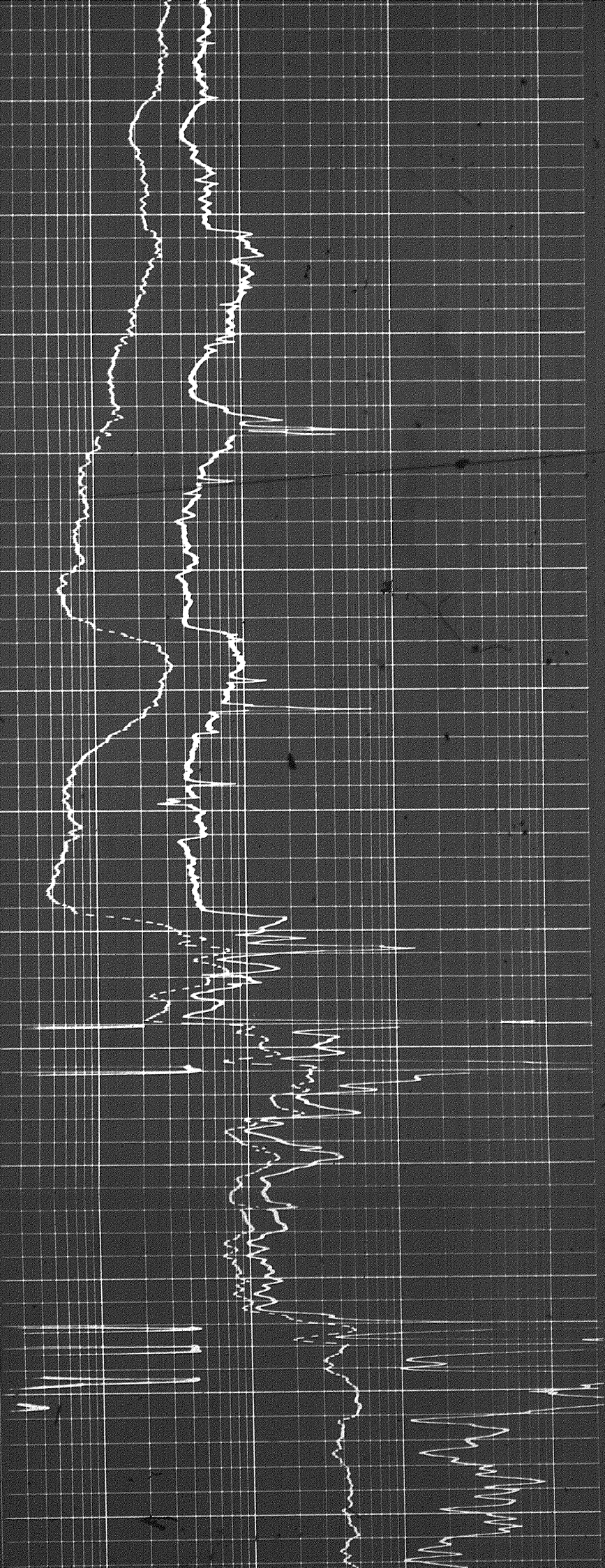
6700

6800

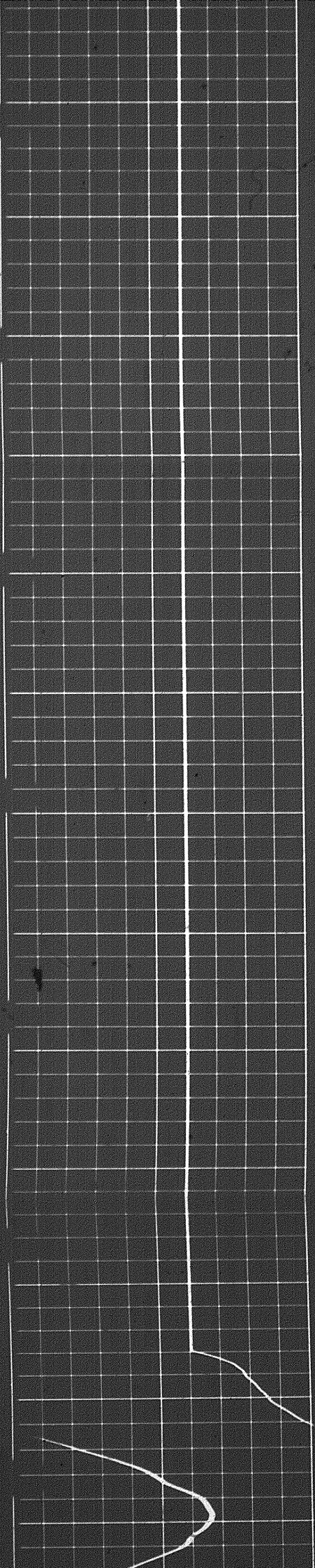
6900

7000





6900 7000 7100 7200 7300 7400 7500



400

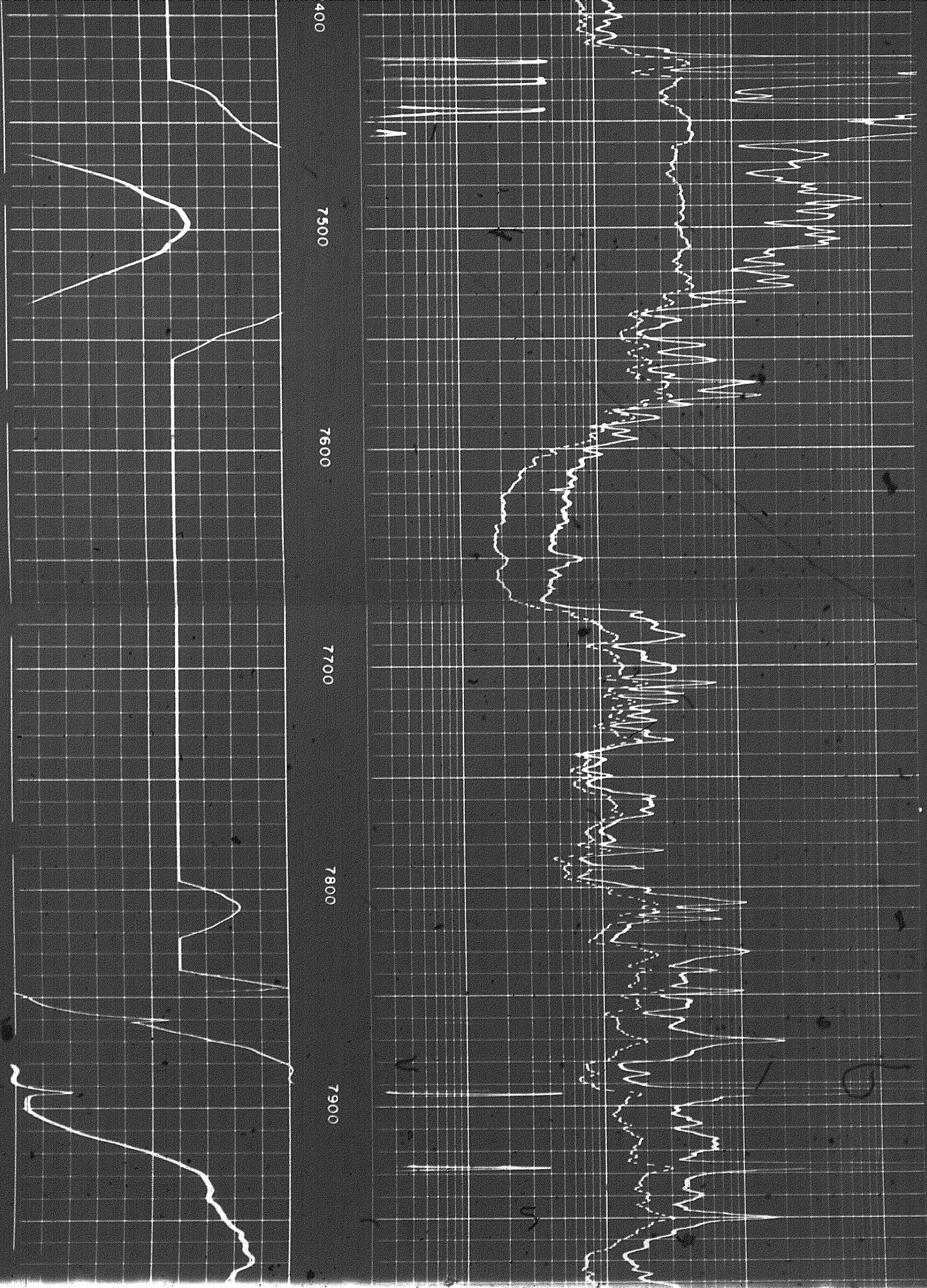
7500

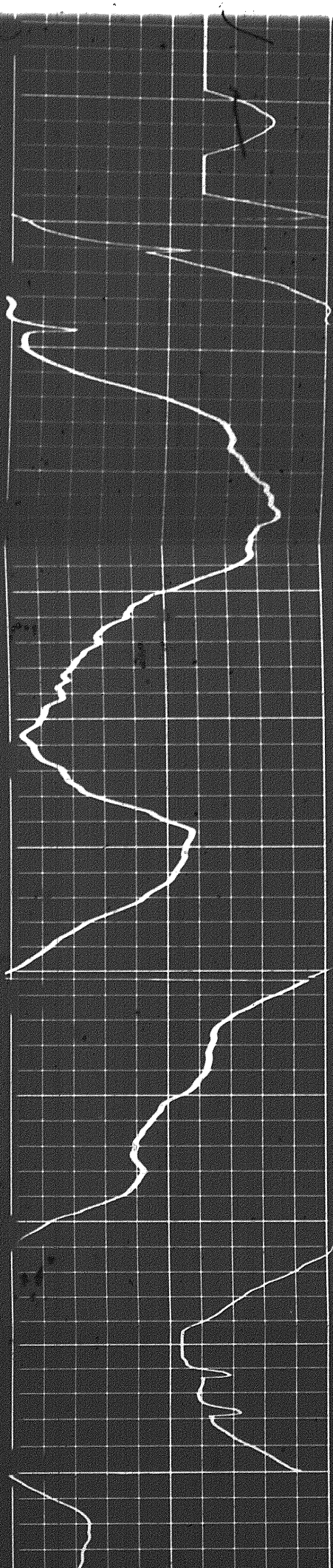
7600

7700

7800

7900





7800

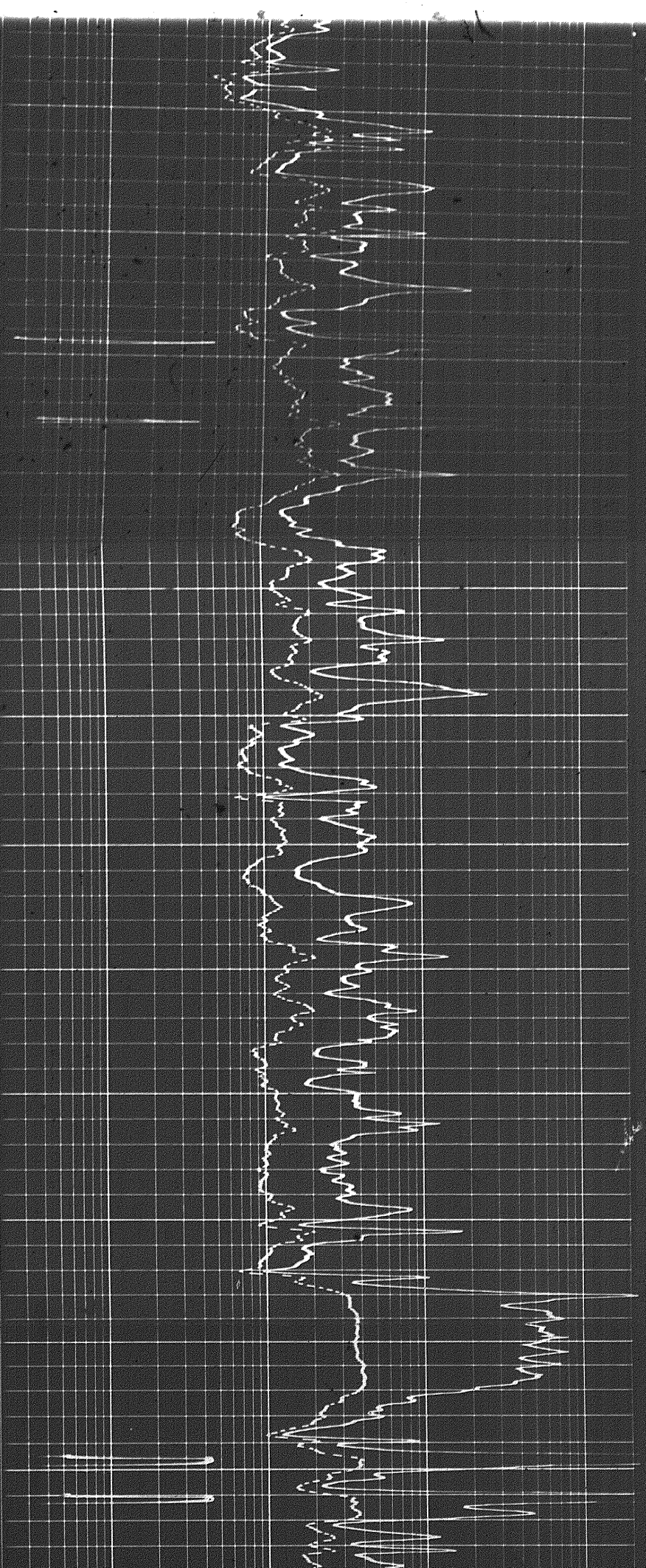
7900

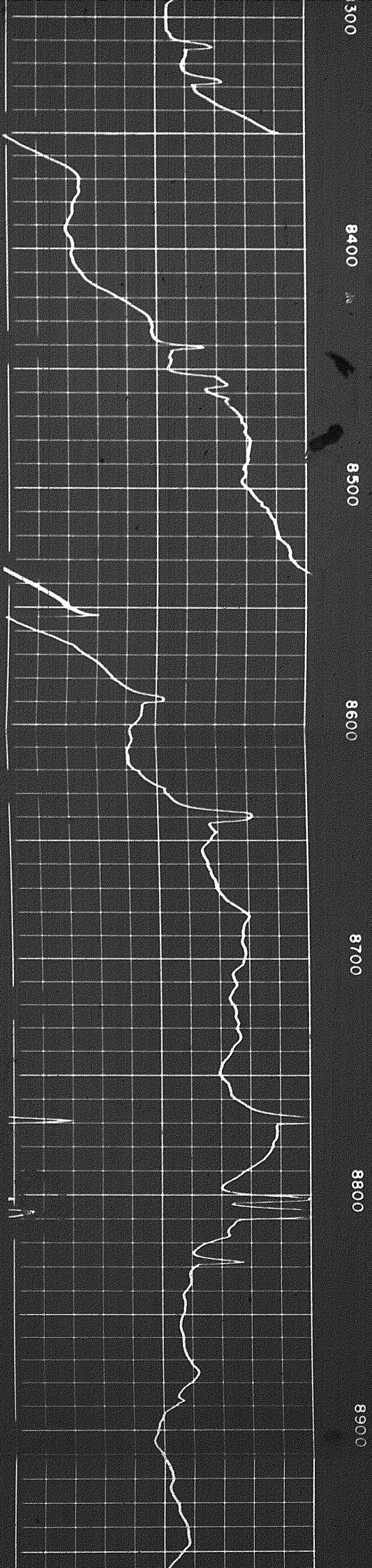
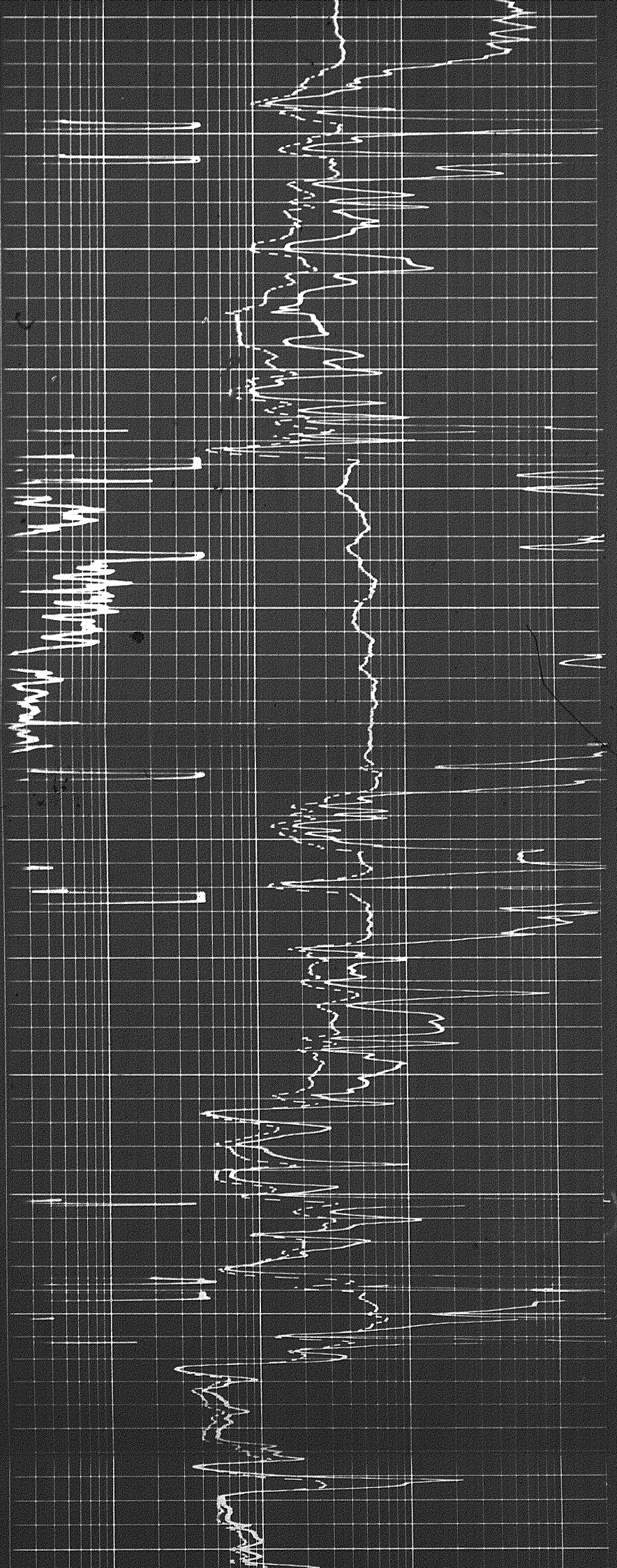
8000

8100

8200

8300





300

8400

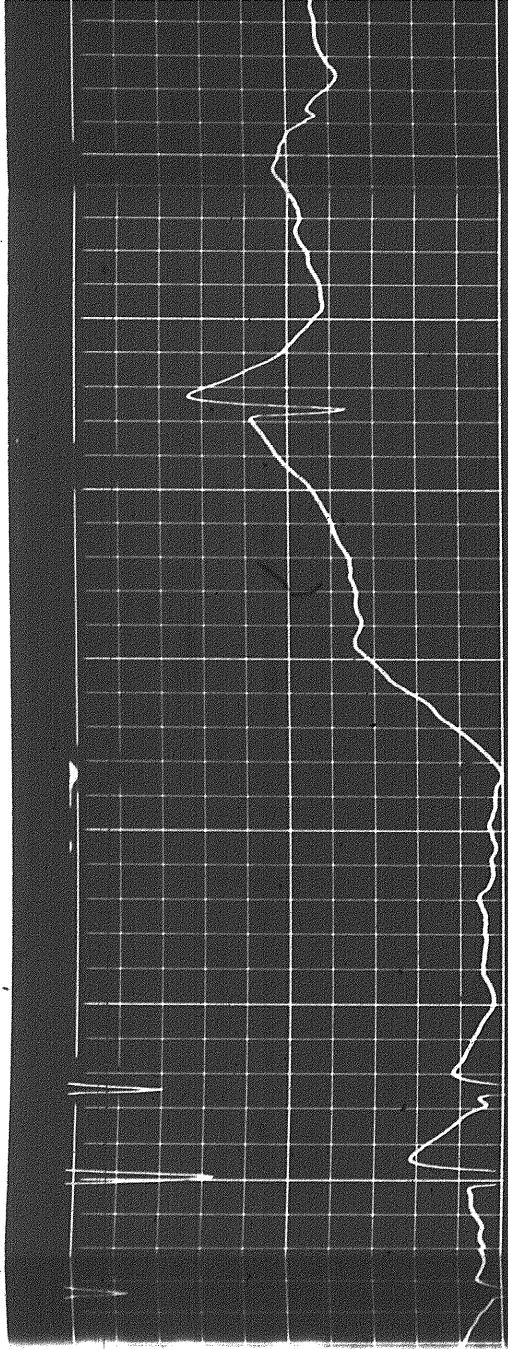
8500

8600

8700

8800

8900

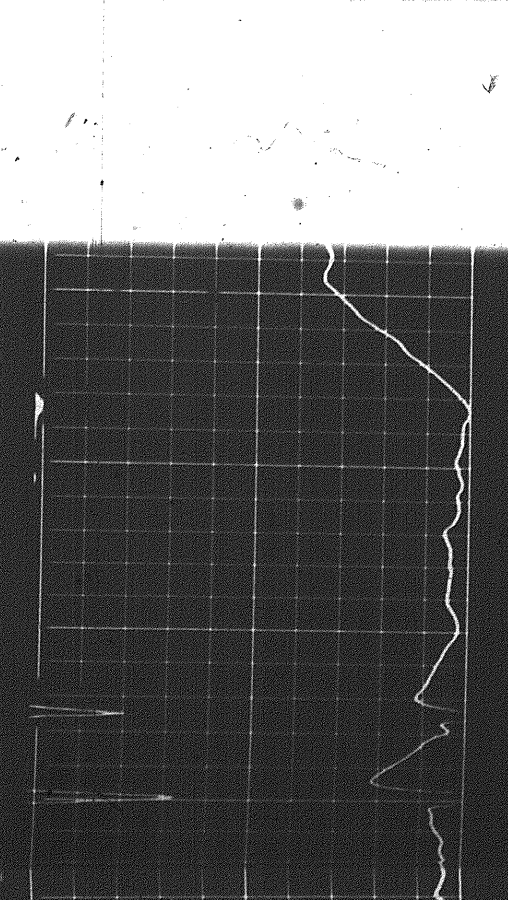
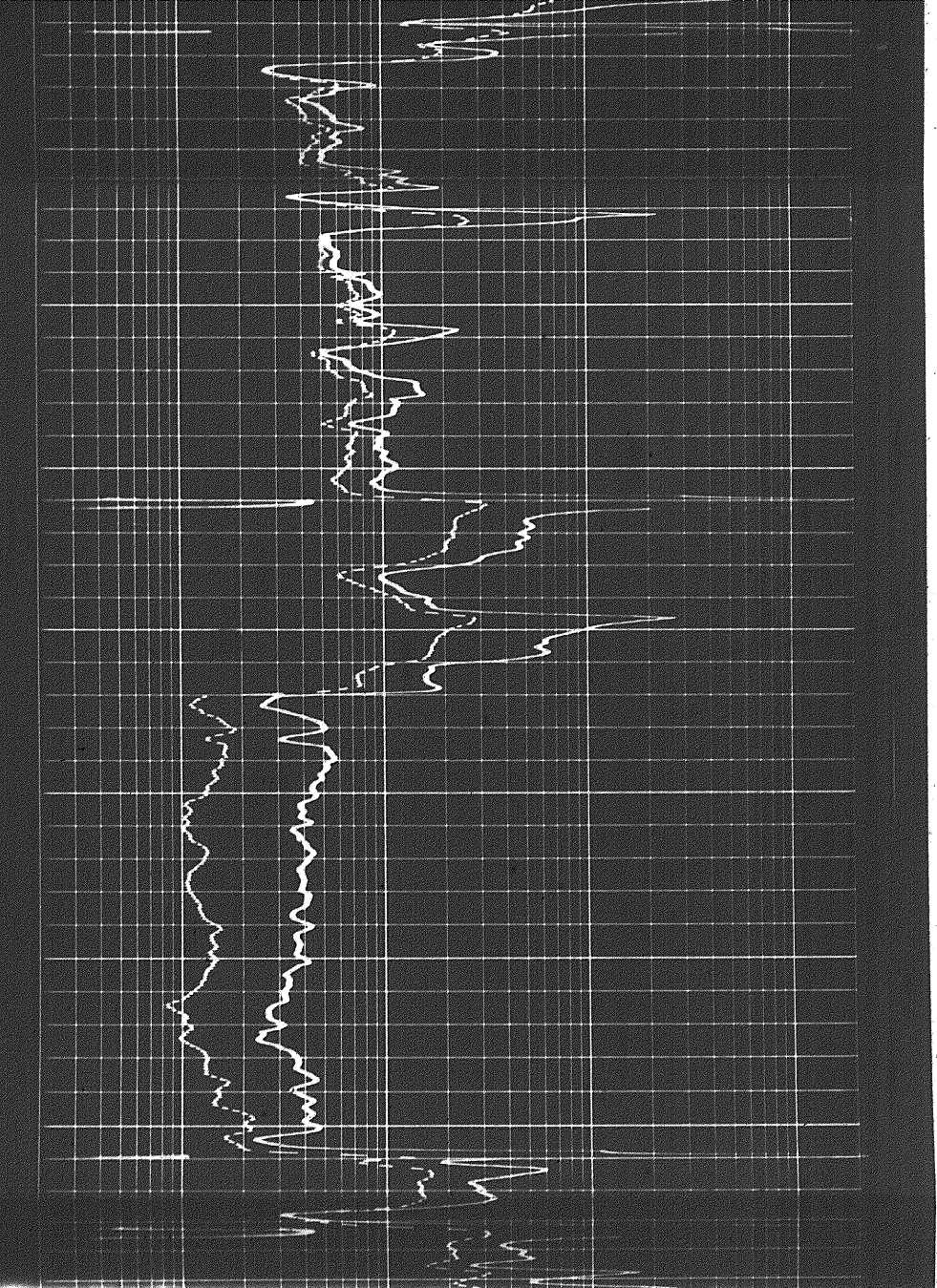


0068

0000

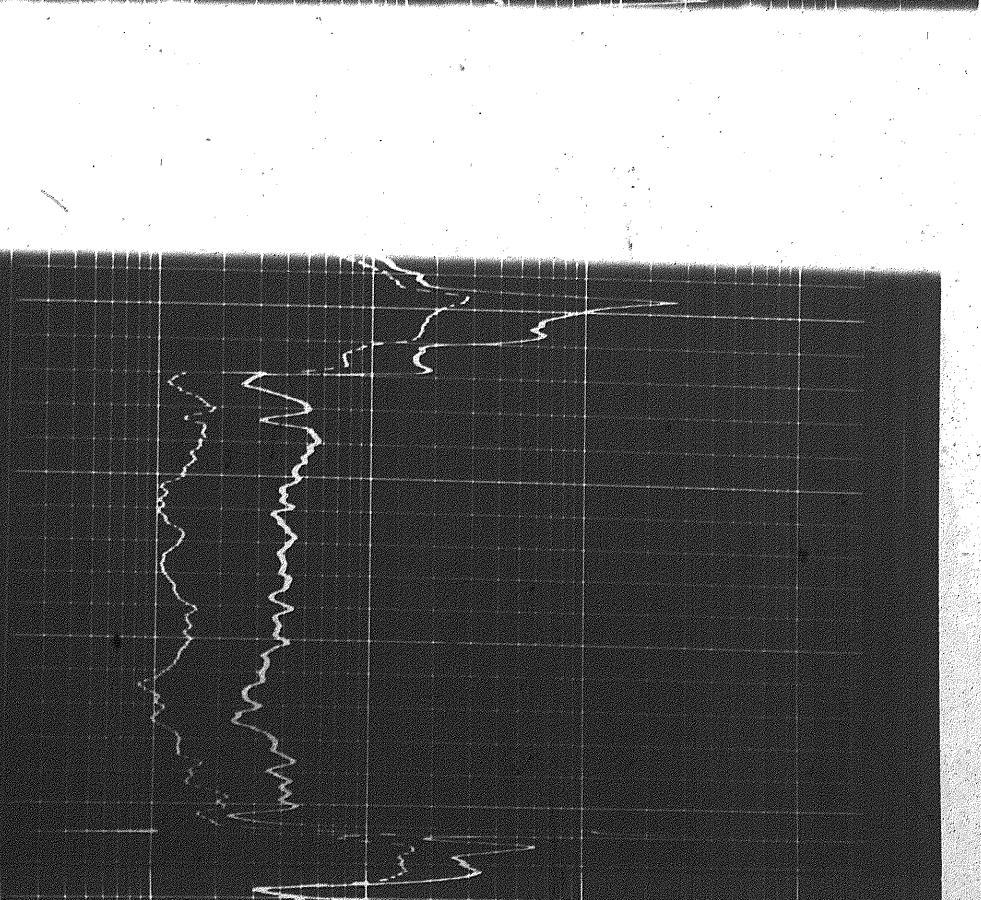
0016

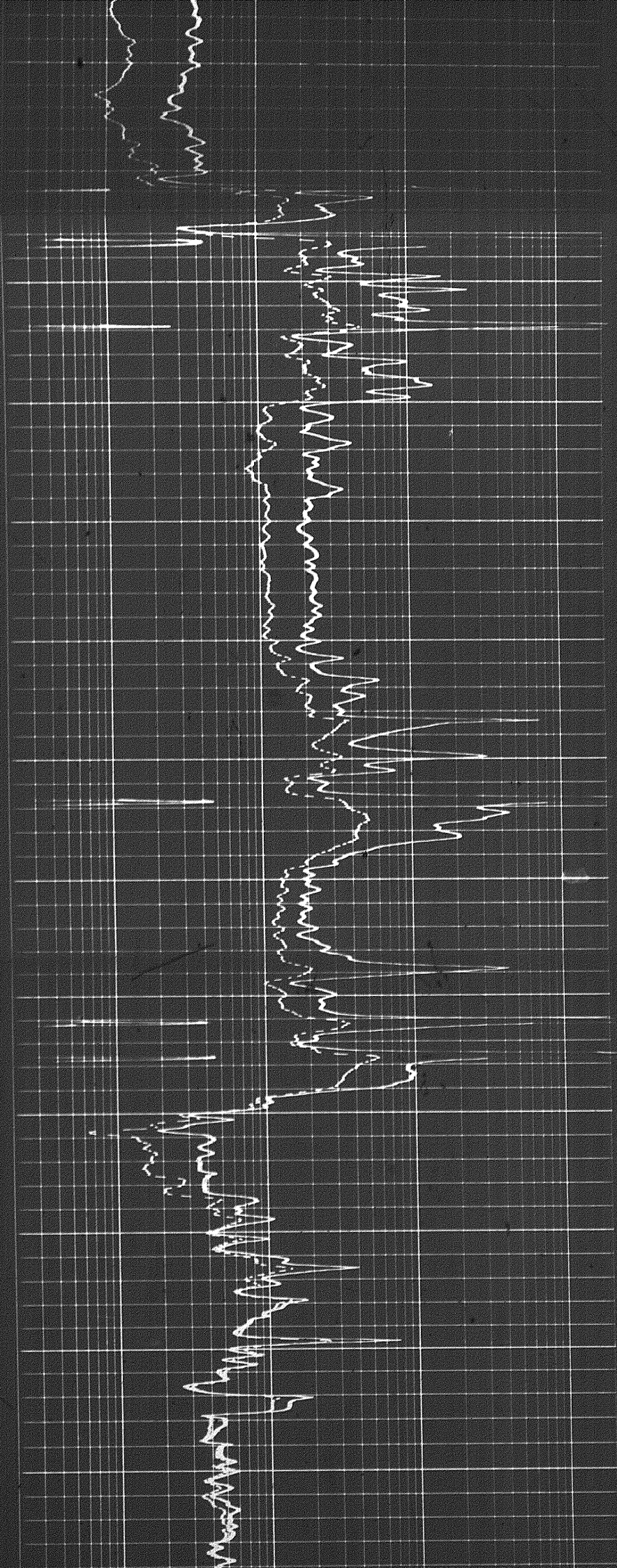
0020



0016

0020





9200

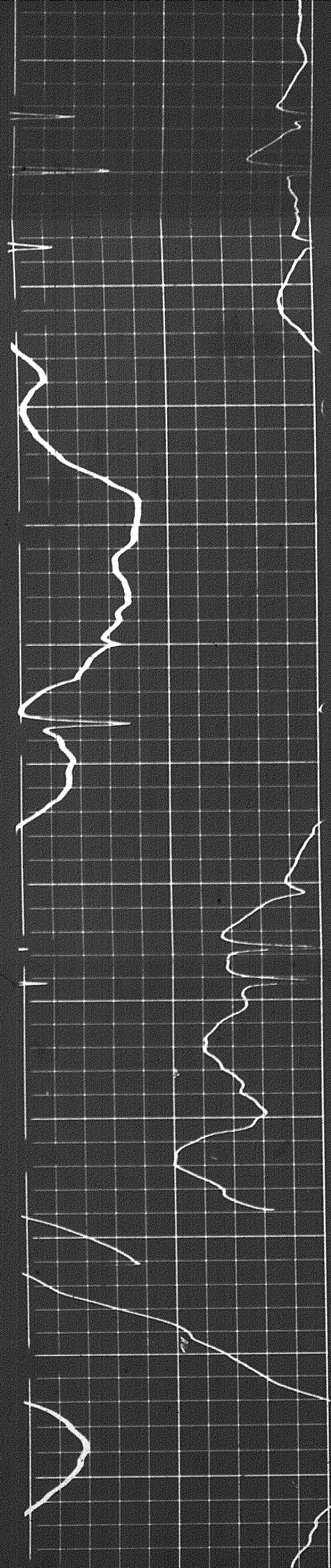
9300

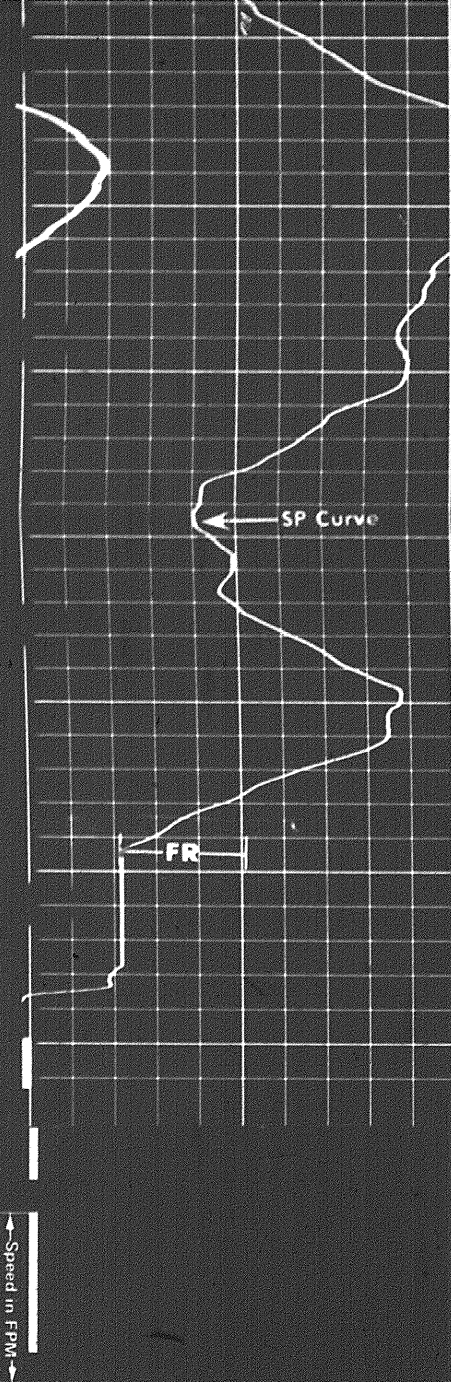
9400

9500

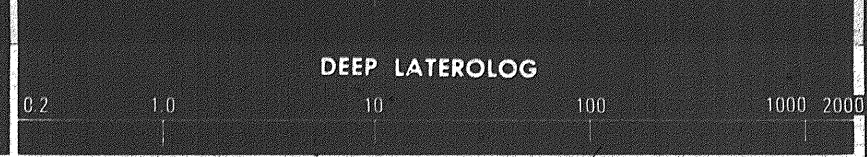
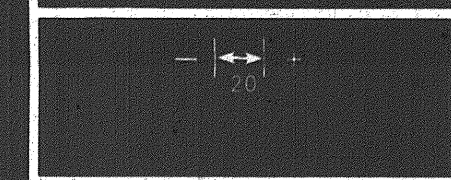
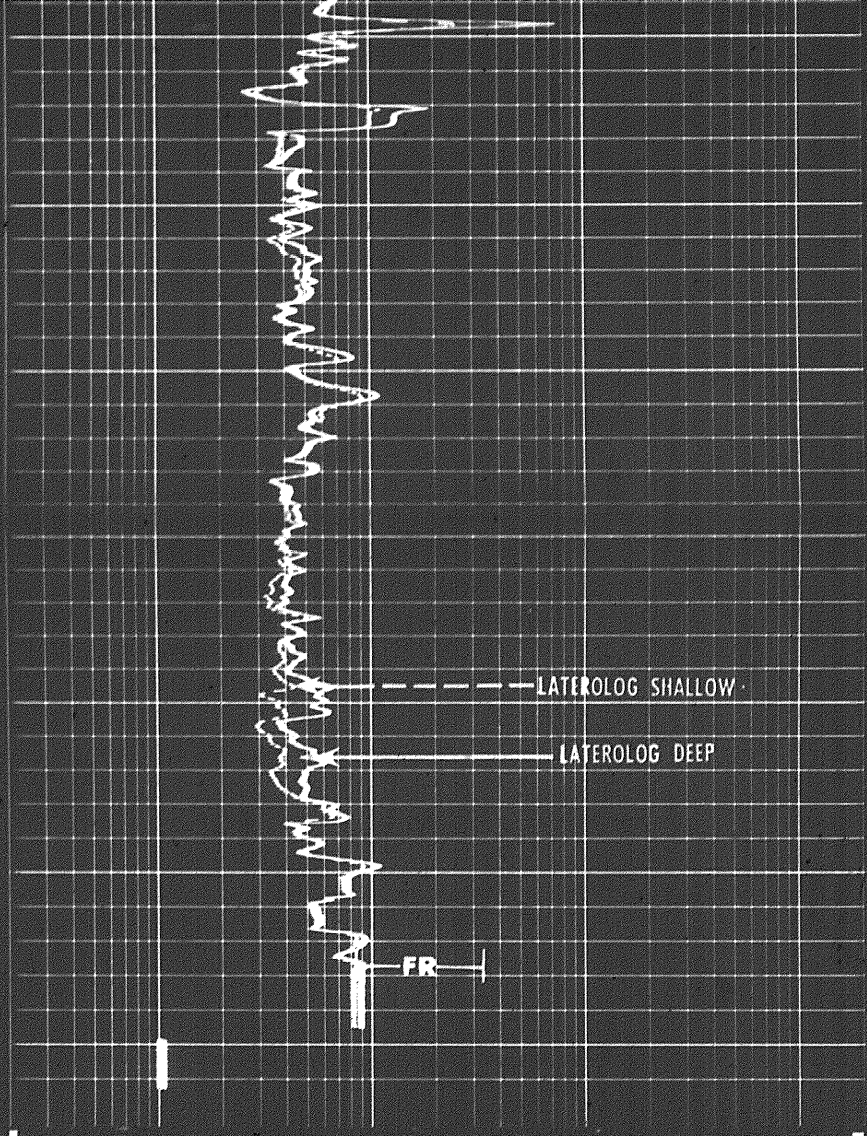
9600

9700





9700  
9800  
9900  
0000



**SPONTANEOUS-POTENTIAL**  
MILLIVOLTS

**DEPTHS**

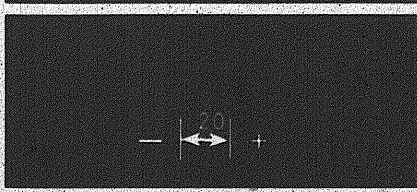
**RESISTIVITY**  
OHMS M<sup>2</sup>/M

**DETAIL LOG**  
5" = 100'

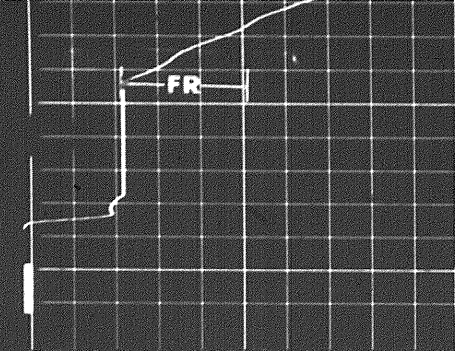
**SPONTANEOUS-POTENTIAL**  
MILLIVOLTS

**DEPTHS**

**RESISTIVITY**  
OHMS M<sup>2</sup>/M

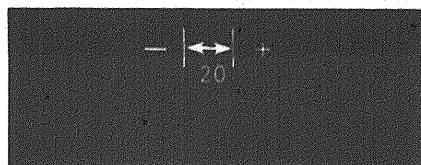
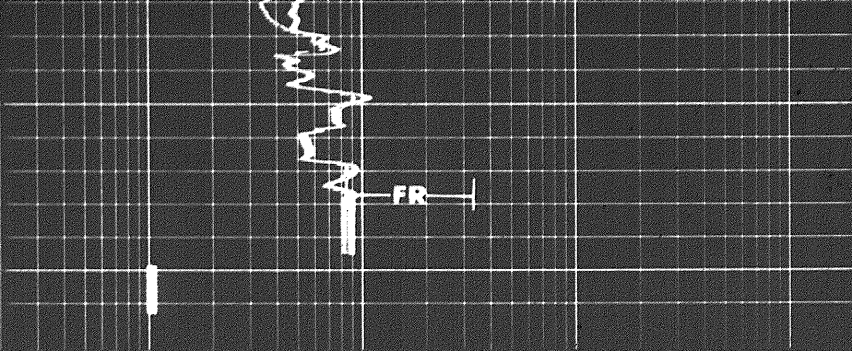






Speed in FPM

0000



**SPONTANEOUS-POTENTIAL**  
MILLIVOLTS

DEPTHS

SHALLOW LATEROLOG  
0.2 1.0 10 100 1000 2000

DEEP LATEROLOG  
0.2 1.0 10 100 1000 2000

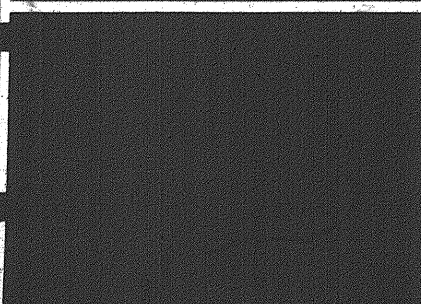
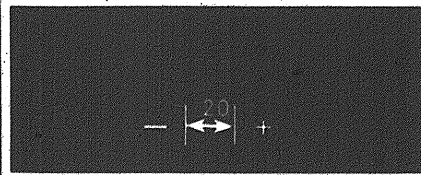
RESISTIVITY  
OHMS M<sup>2</sup>/M

DETAIL LOG  
5" = 100'

**SPONTANEOUS-POTENTIAL**  
MILLIVOLTS

DEPTHS

RESISTIVITY  
OHMS M<sup>2</sup>/M



Speed in FPM

3400

DEEP LATEROLOG  
0.2 1.0 10 100 1000 2000

SHALLOW LATEROLOG  
0.2 1.0 10 100 1000 2000

SHALLOW LATEROLOG

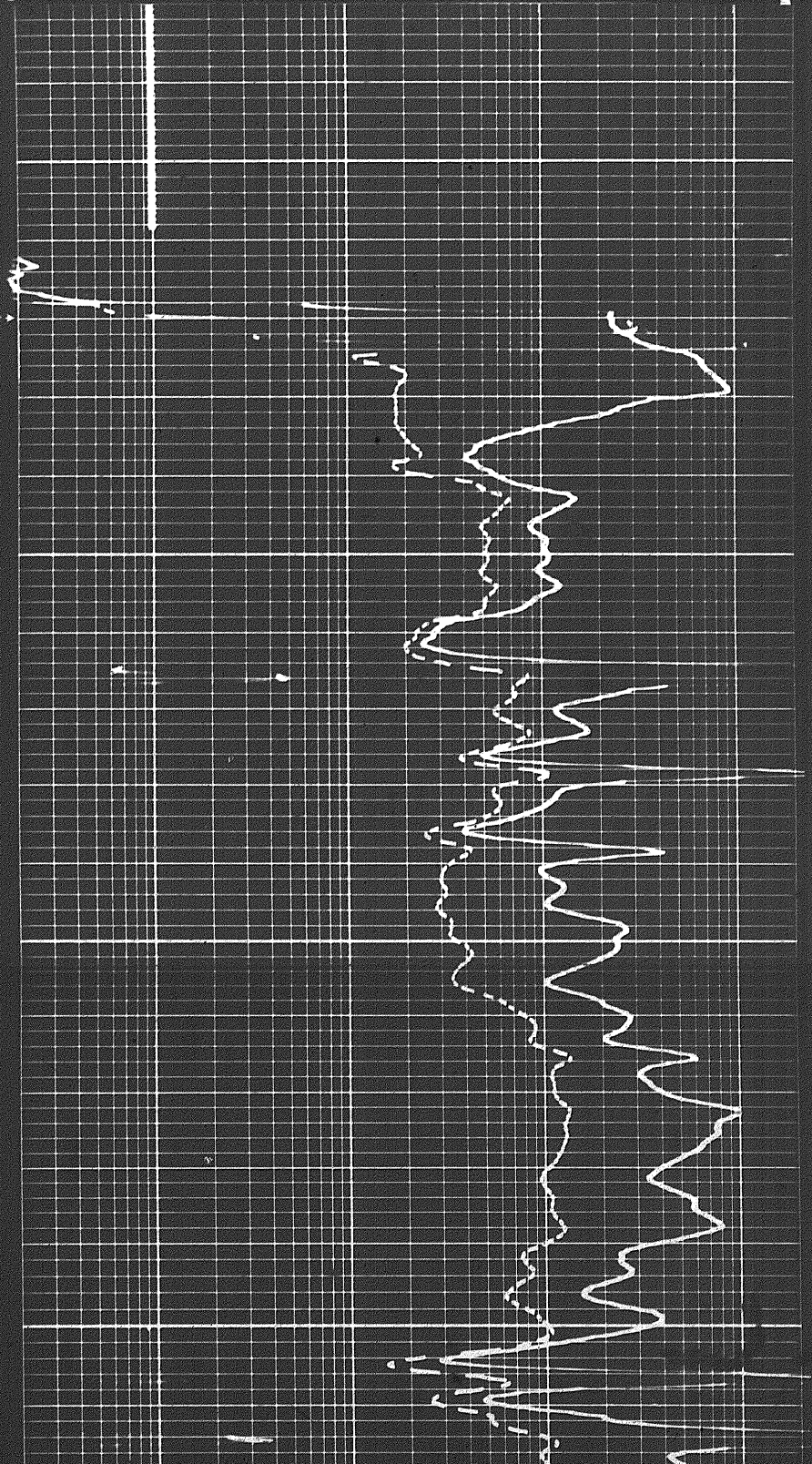
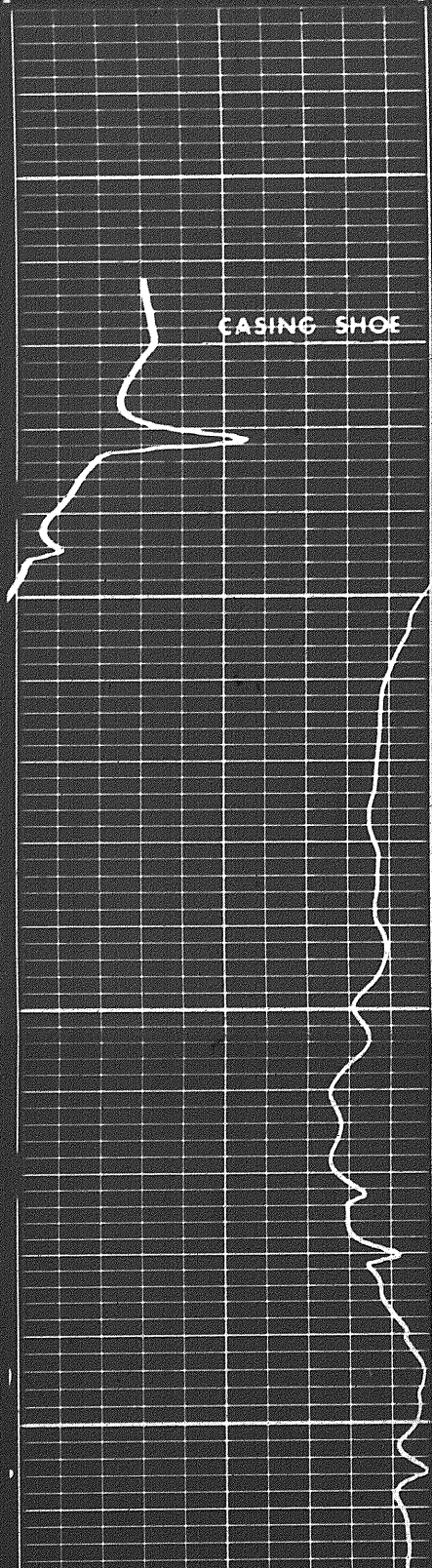
0.2 1.0 10 100 1000 2000

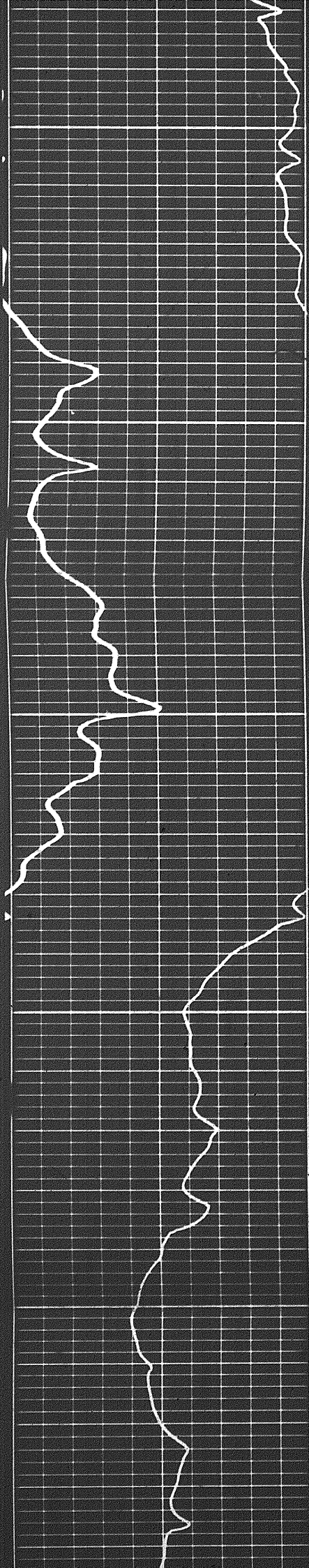
3400

3500

EASING SHOE

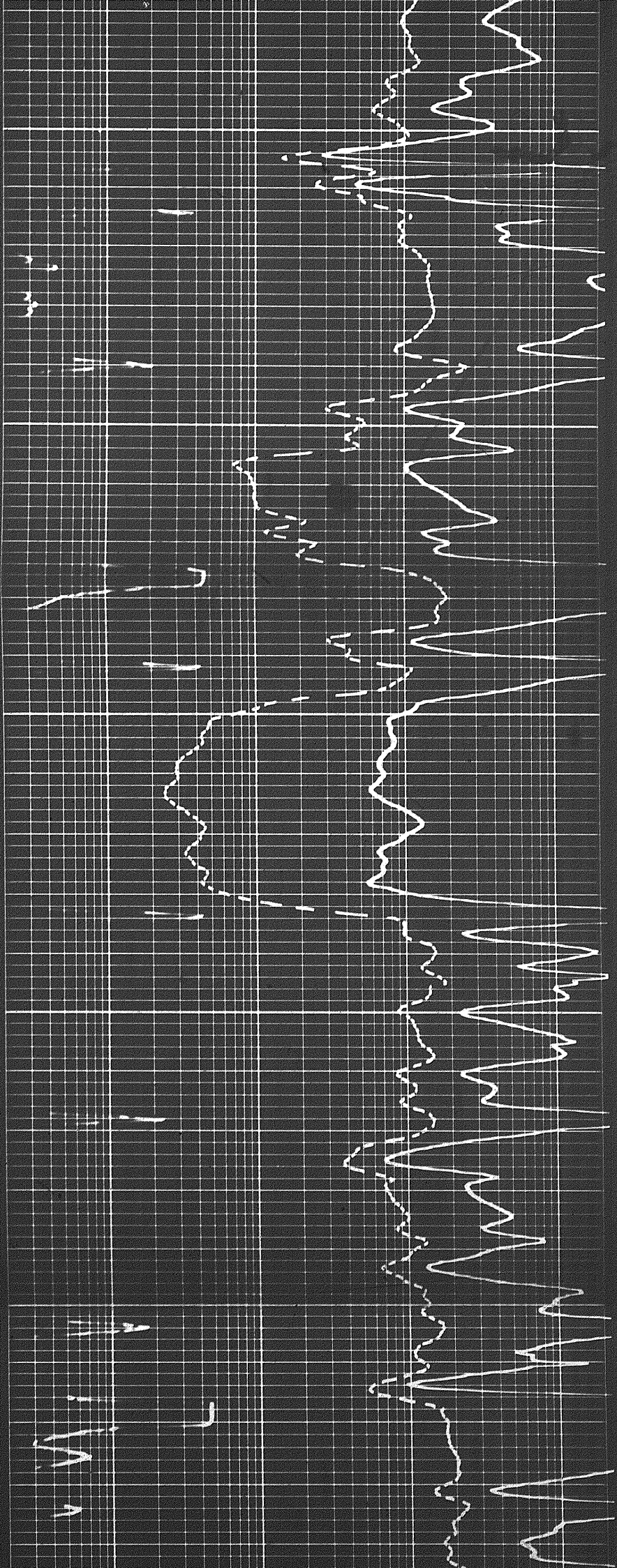
Speed in FPM

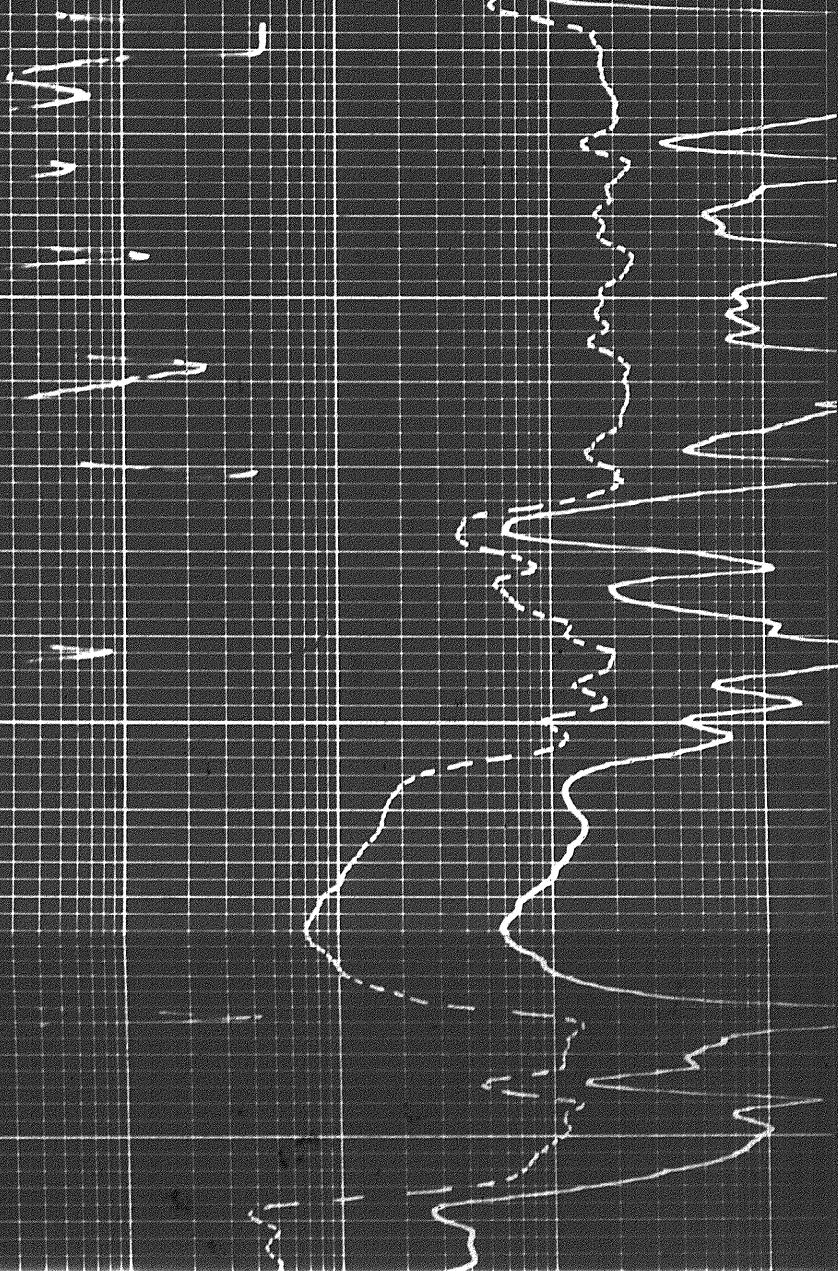




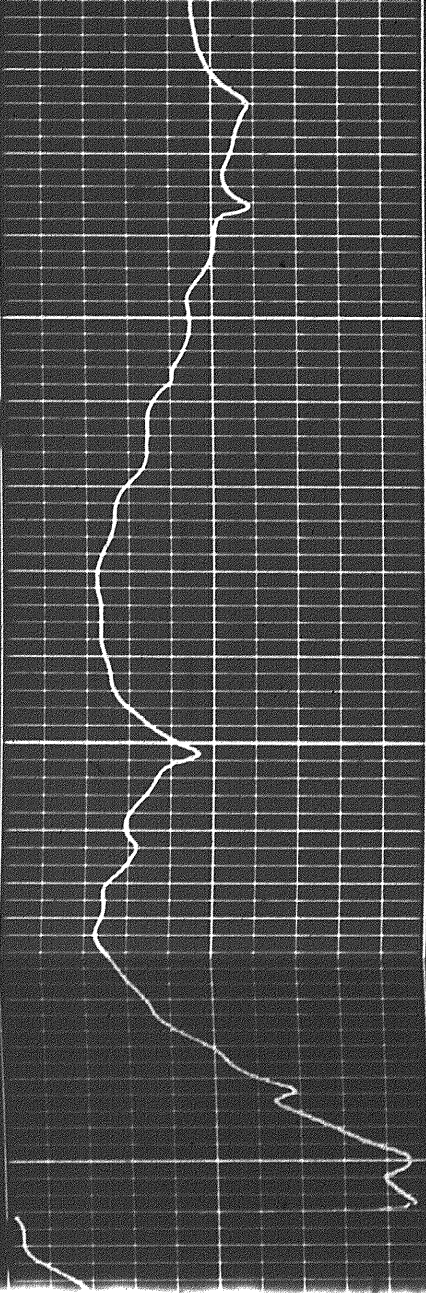
3600

3700

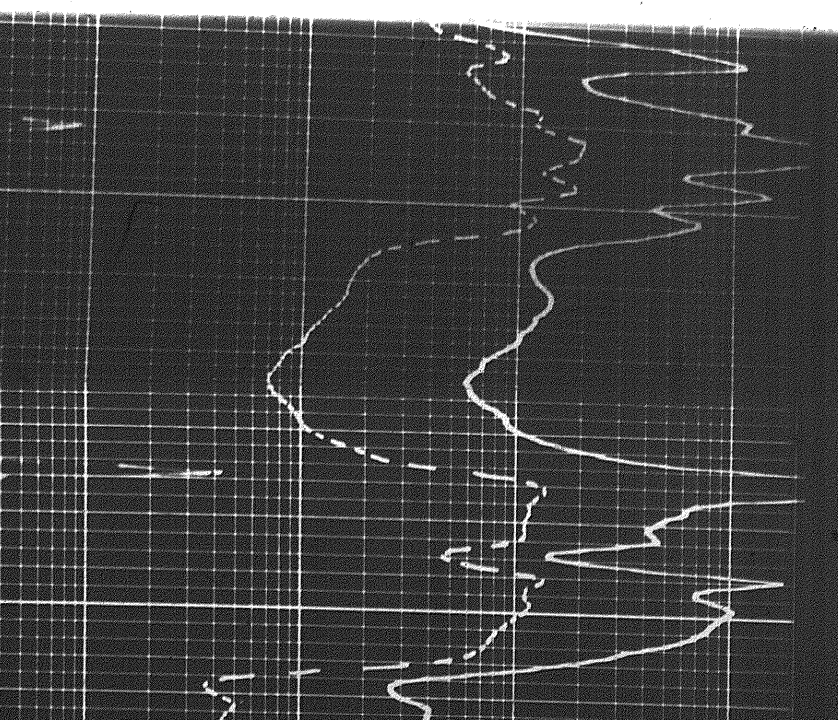




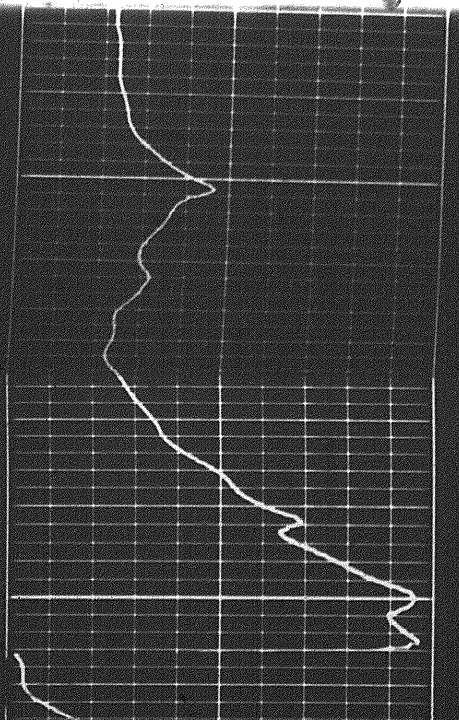
3800

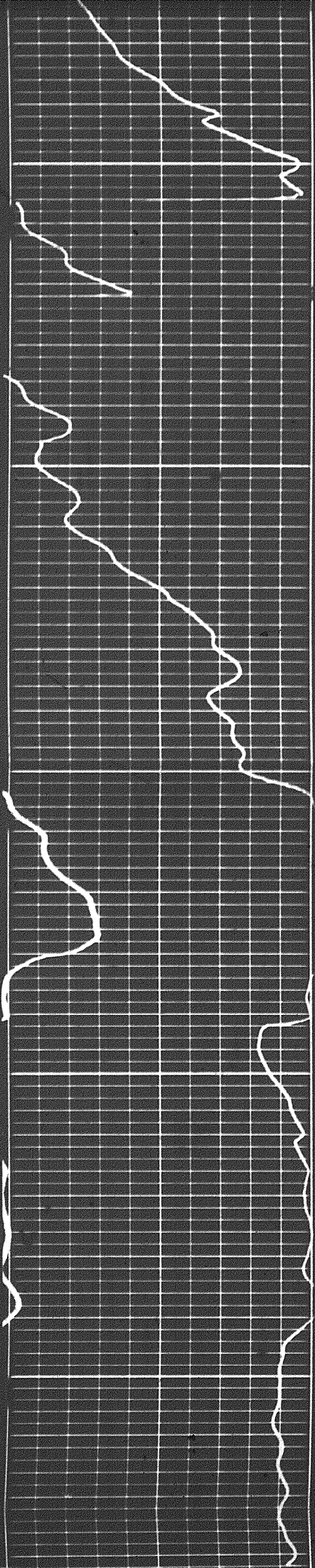


3900



3900

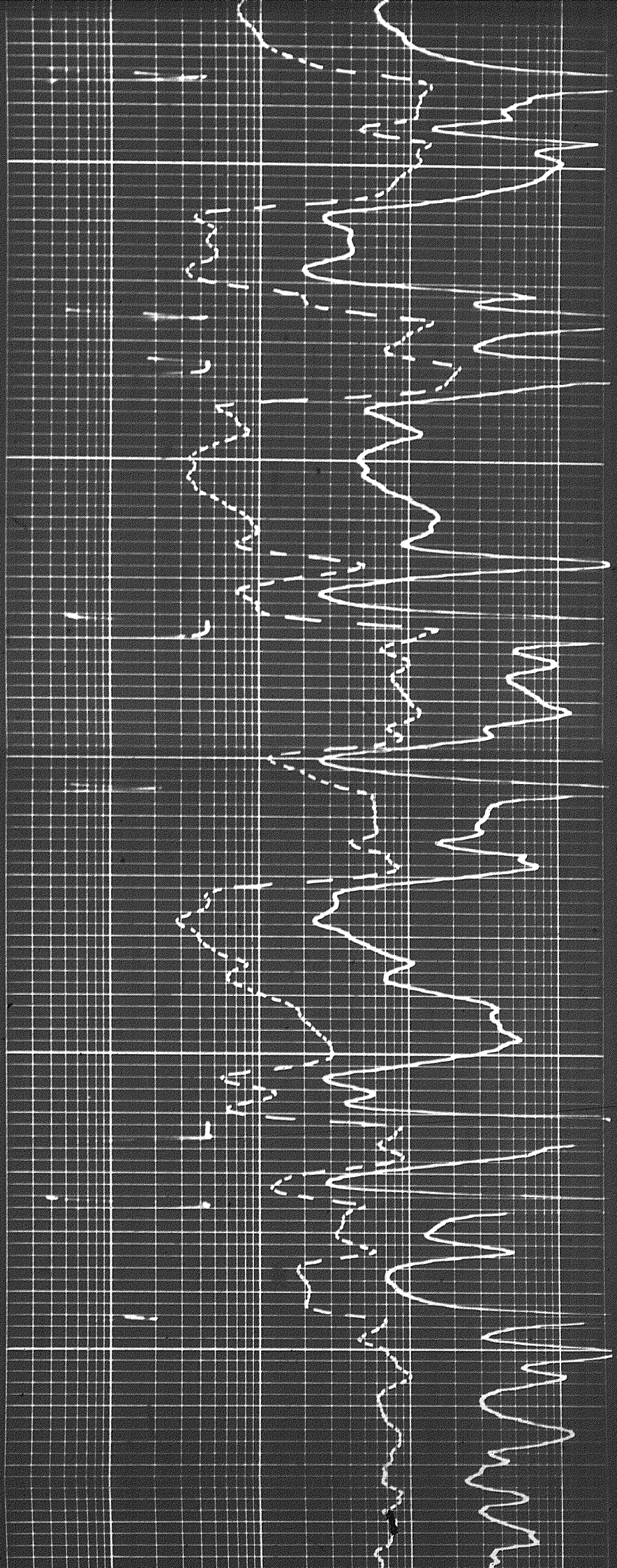


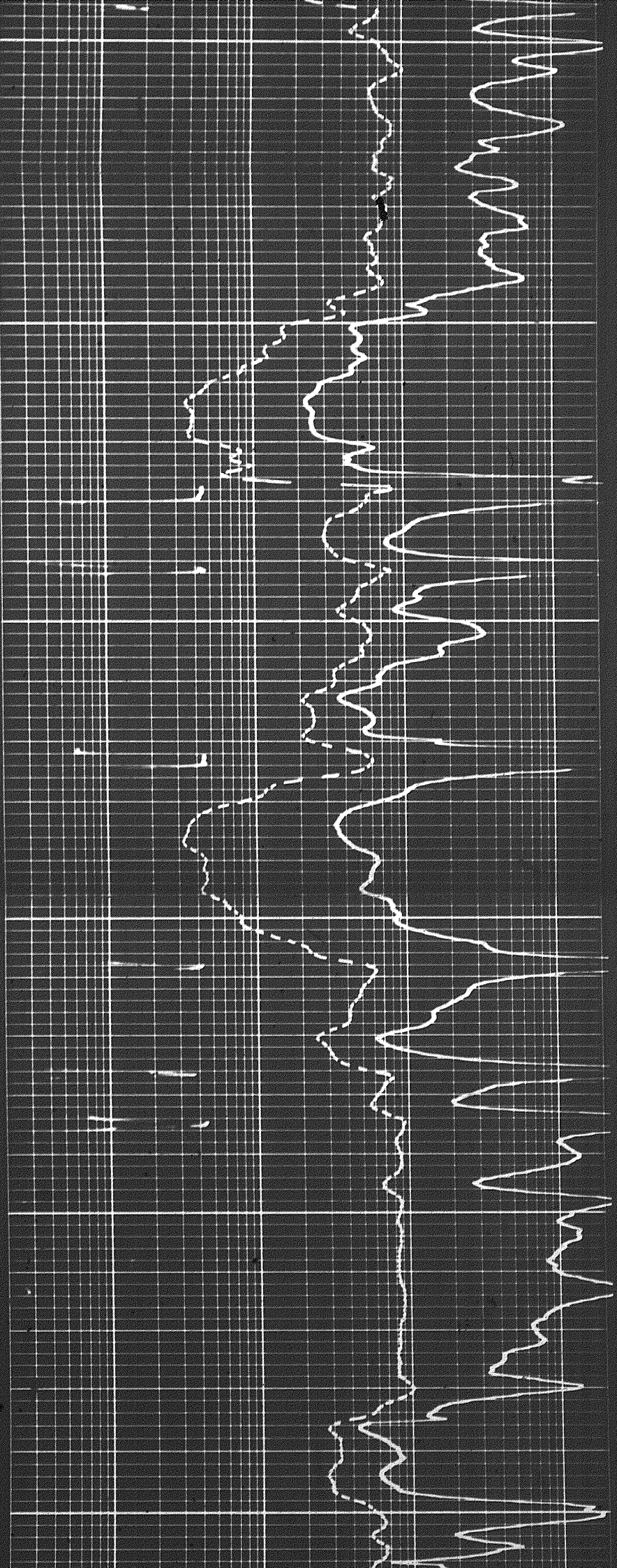


3900

4000

4100

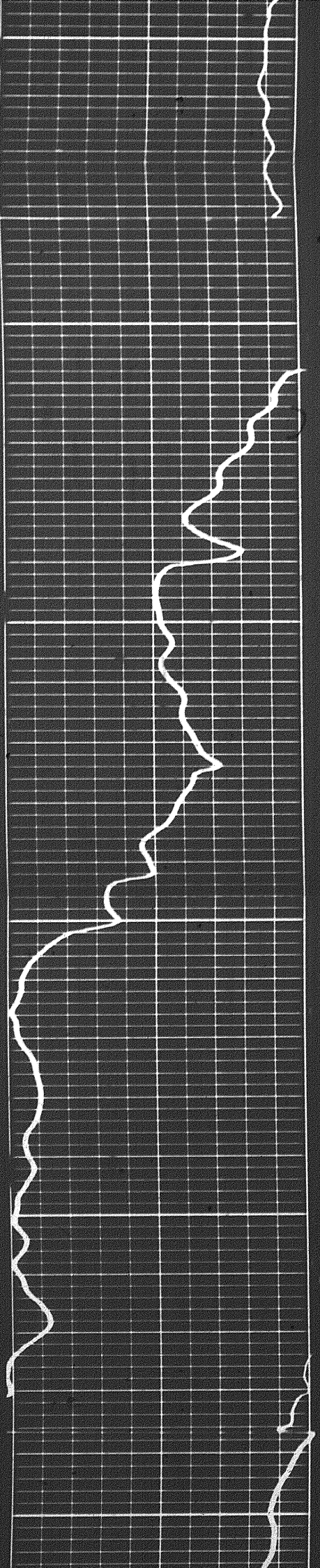


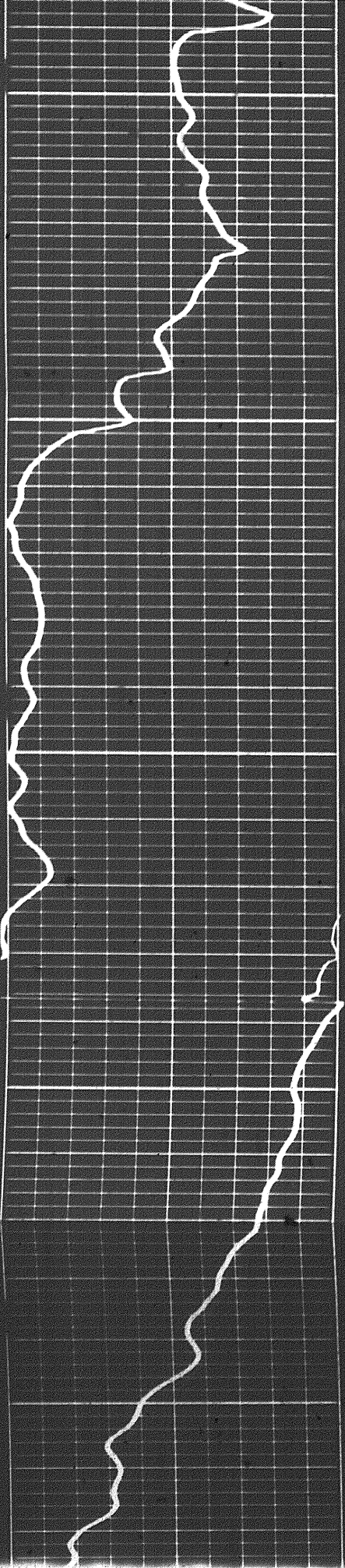


4100

4200

4300

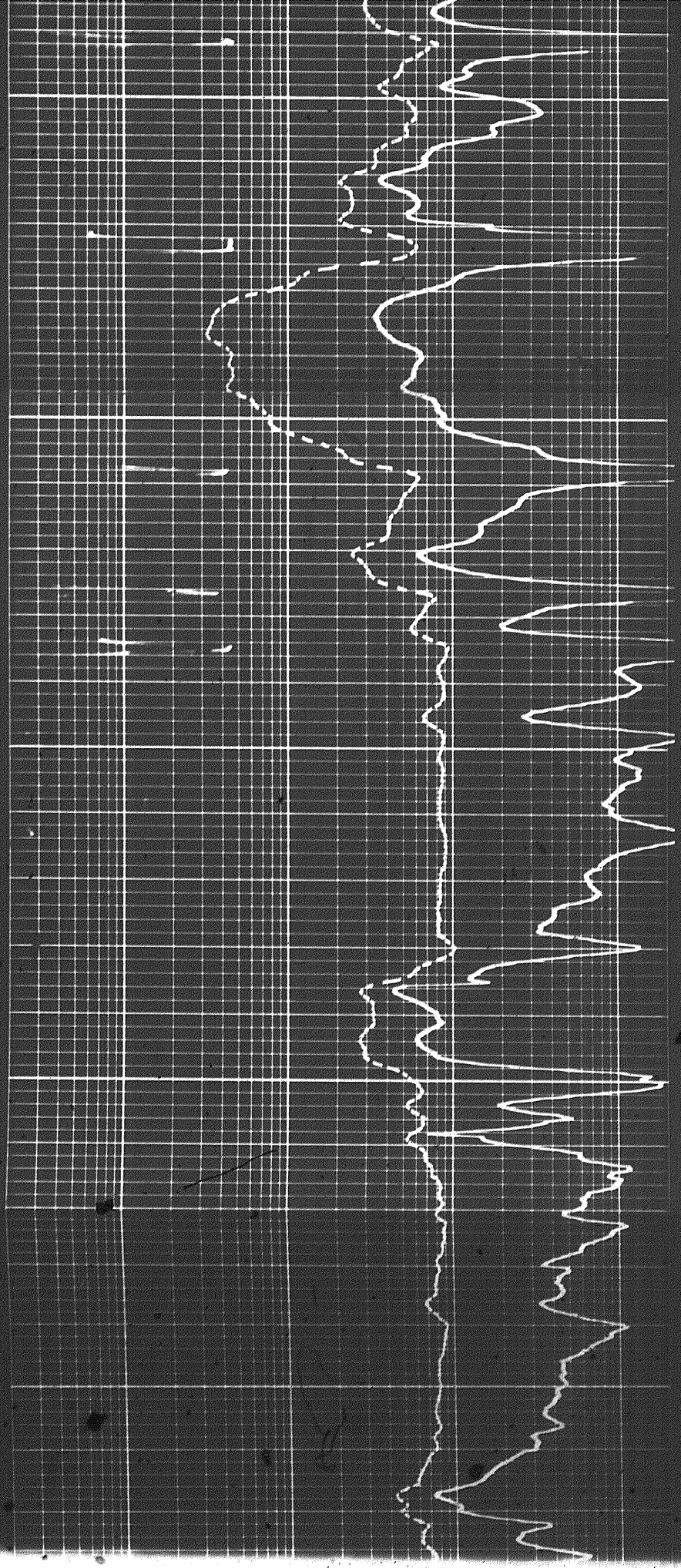




4200

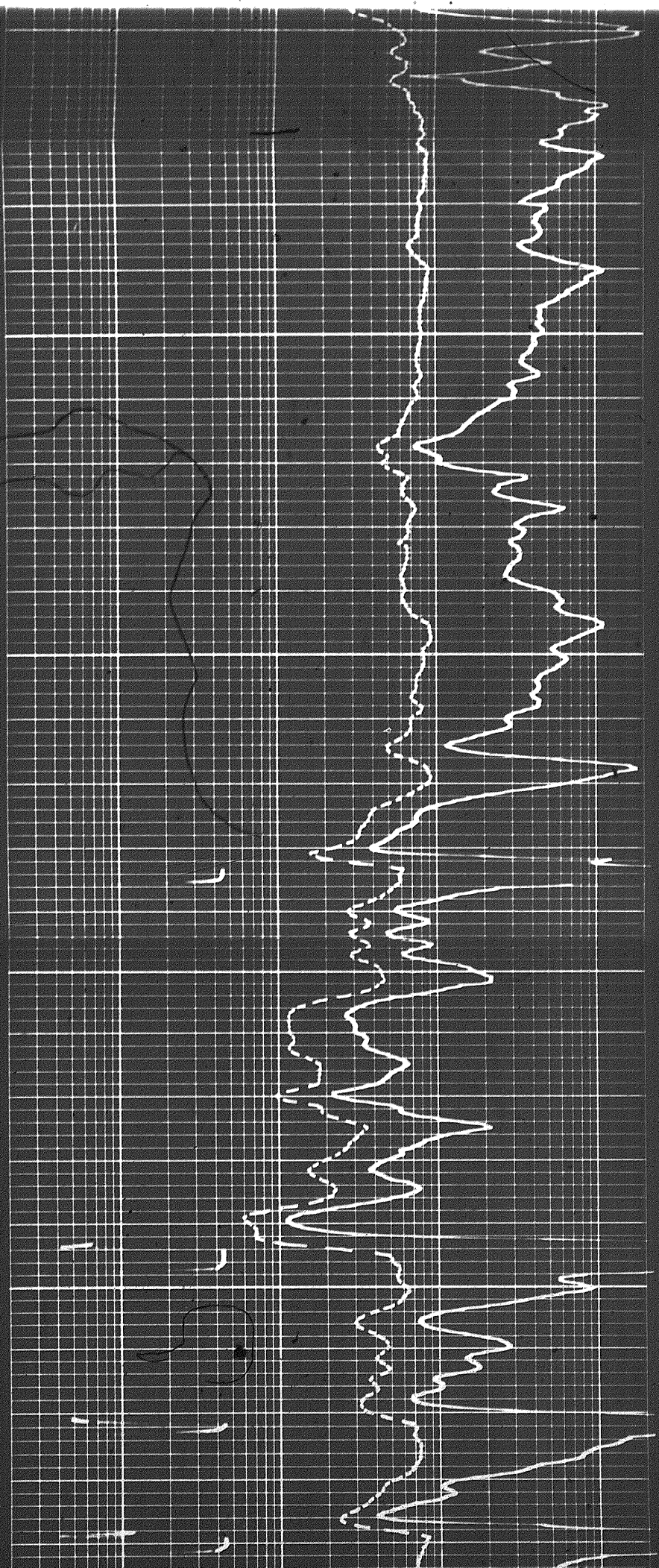
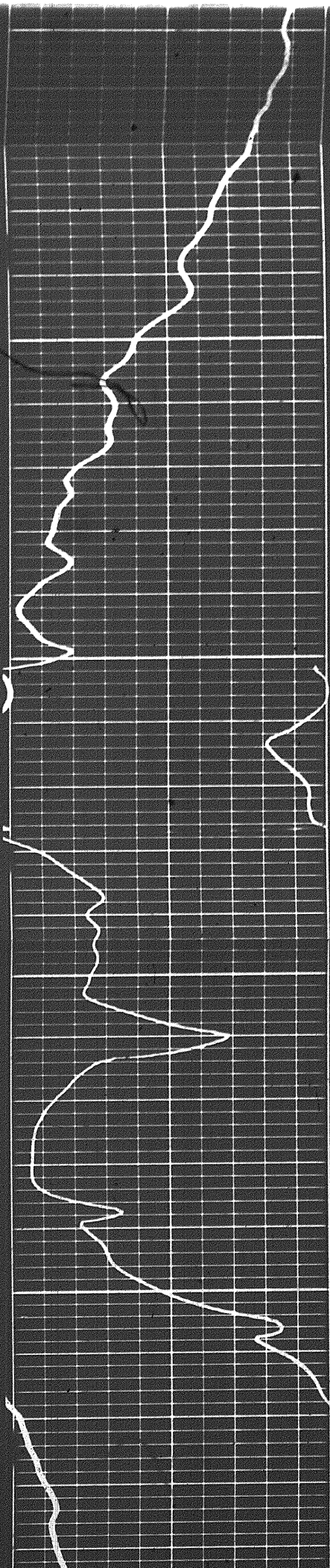
4300

4400

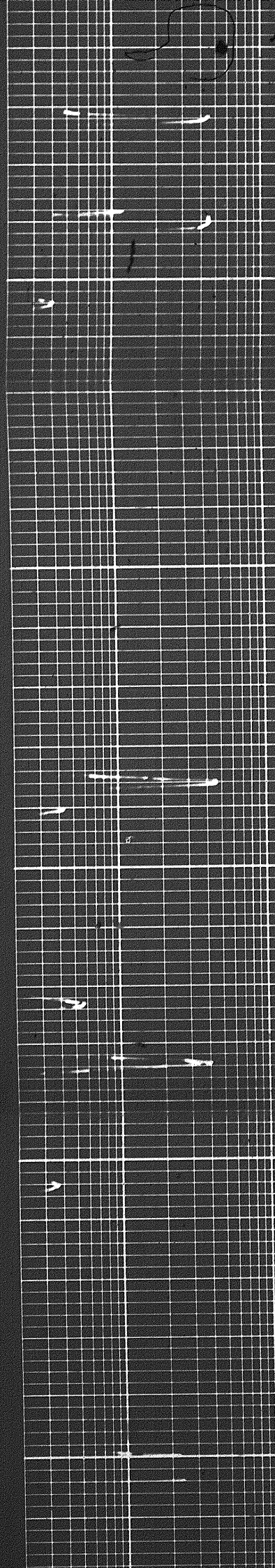
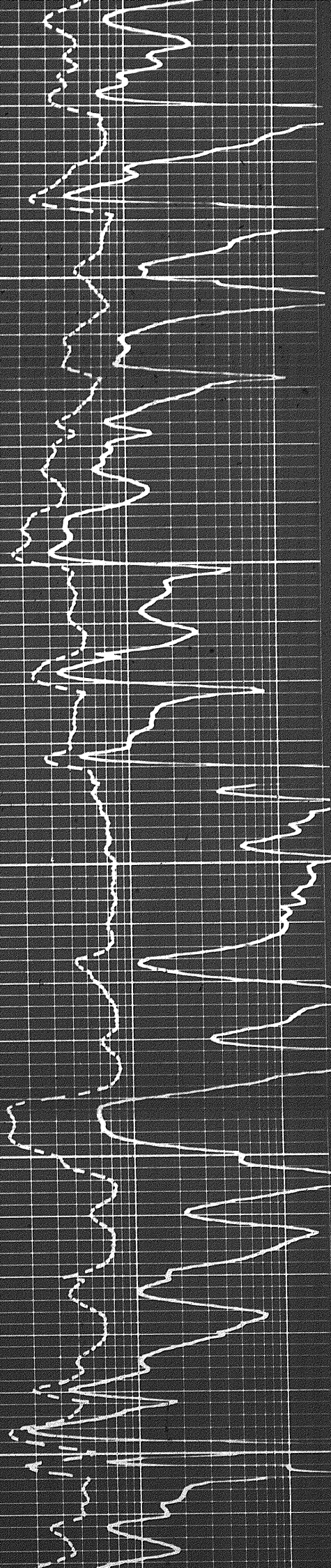


4400

4500



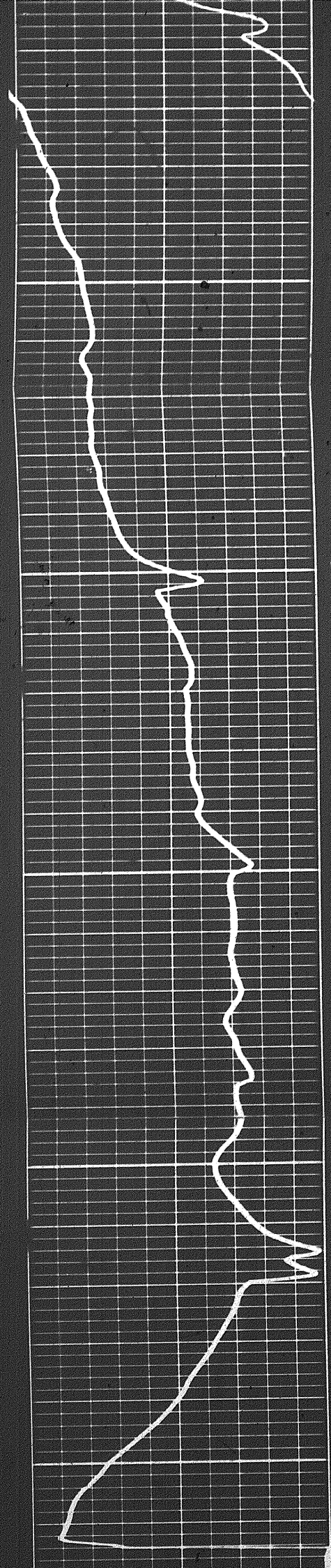


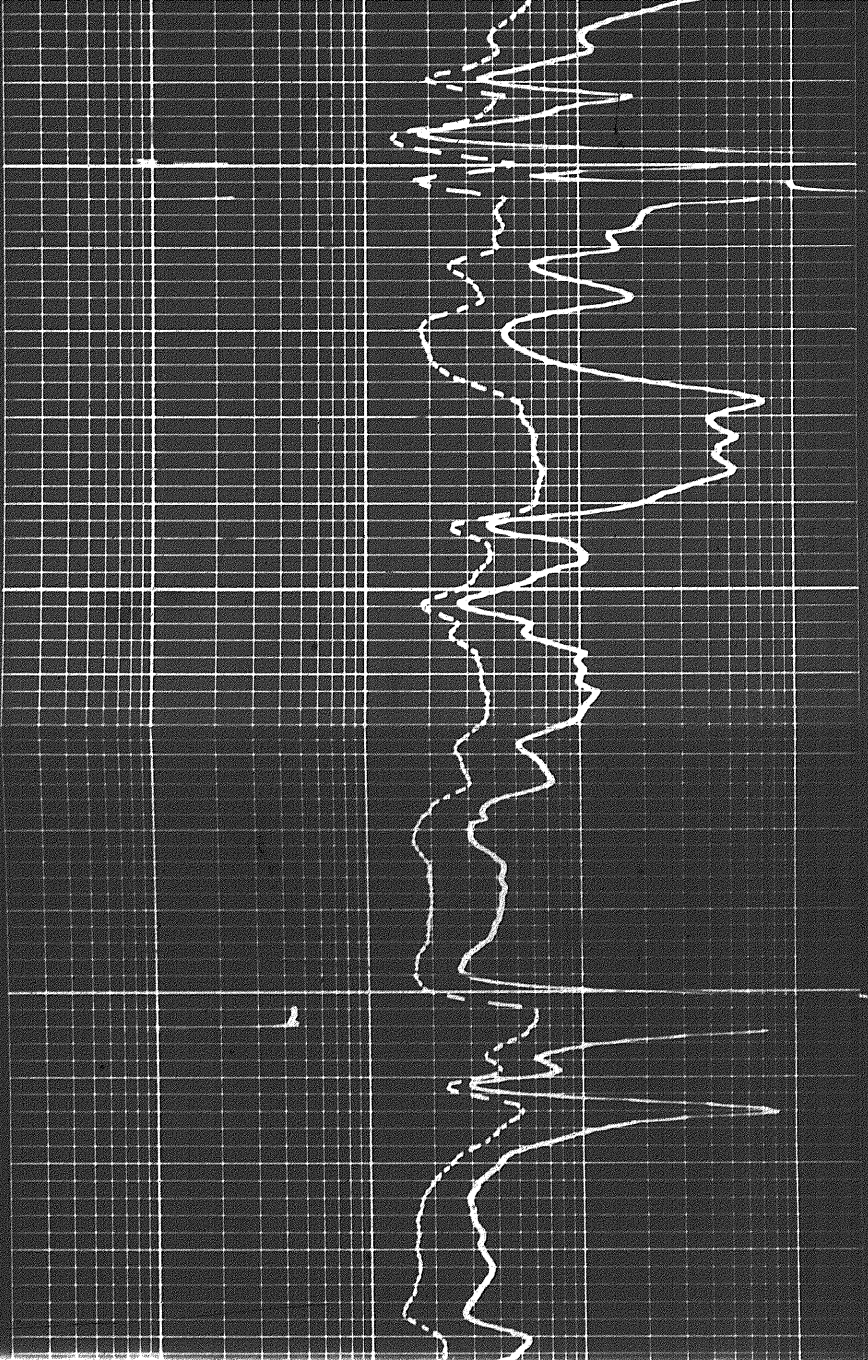


4600

4700

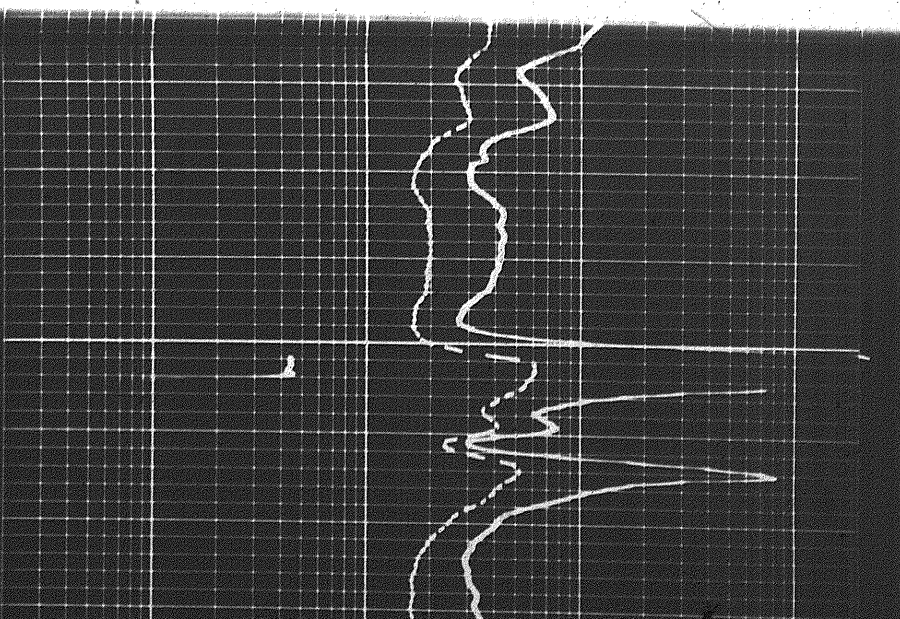
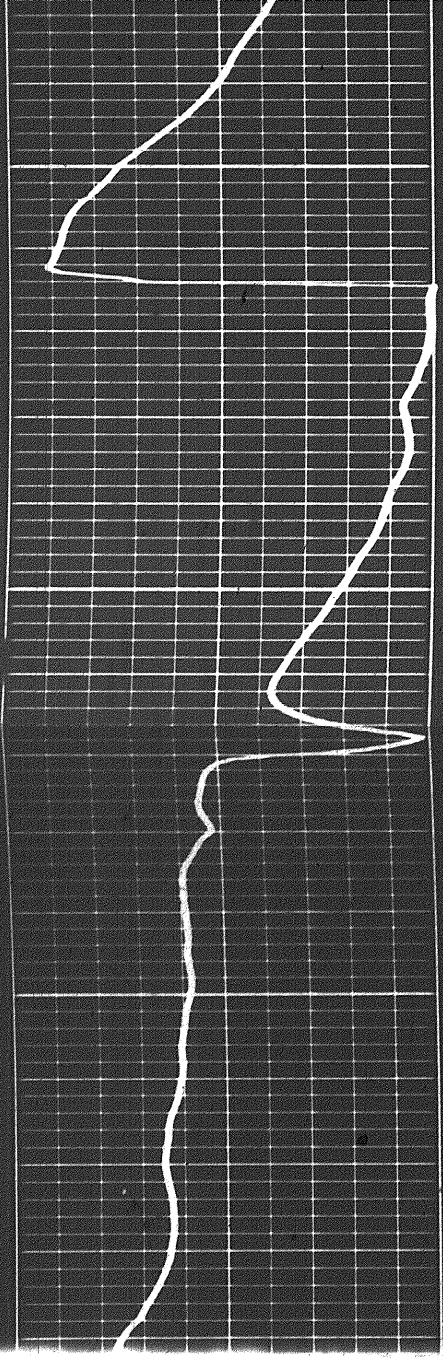
4800



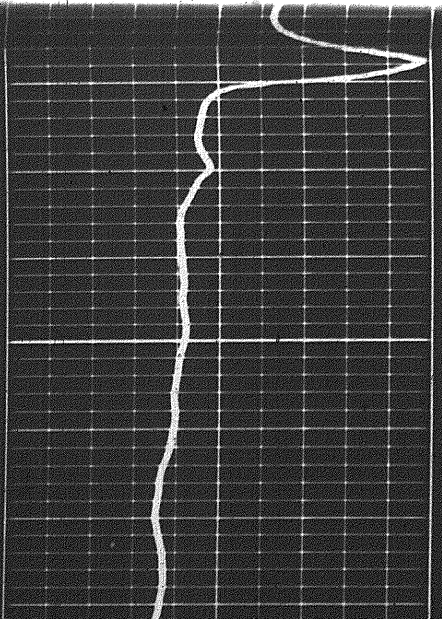


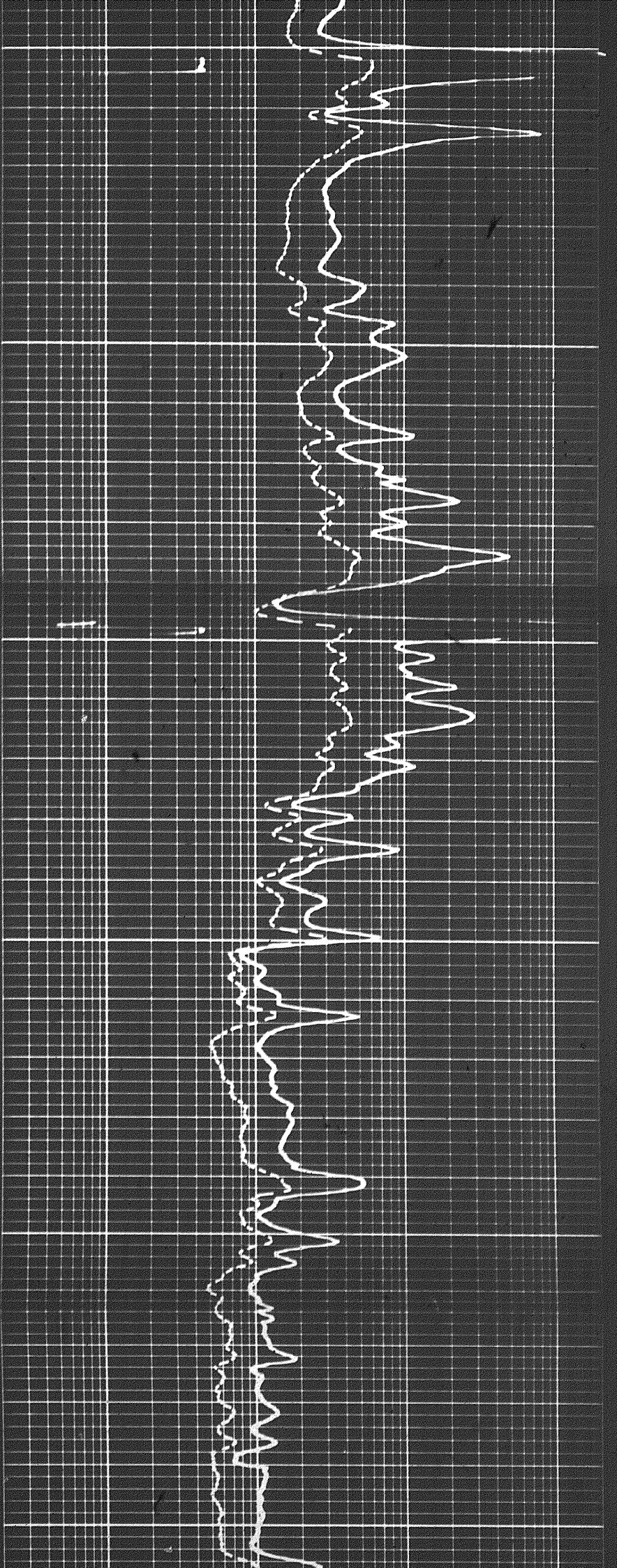
4800

4900



4900

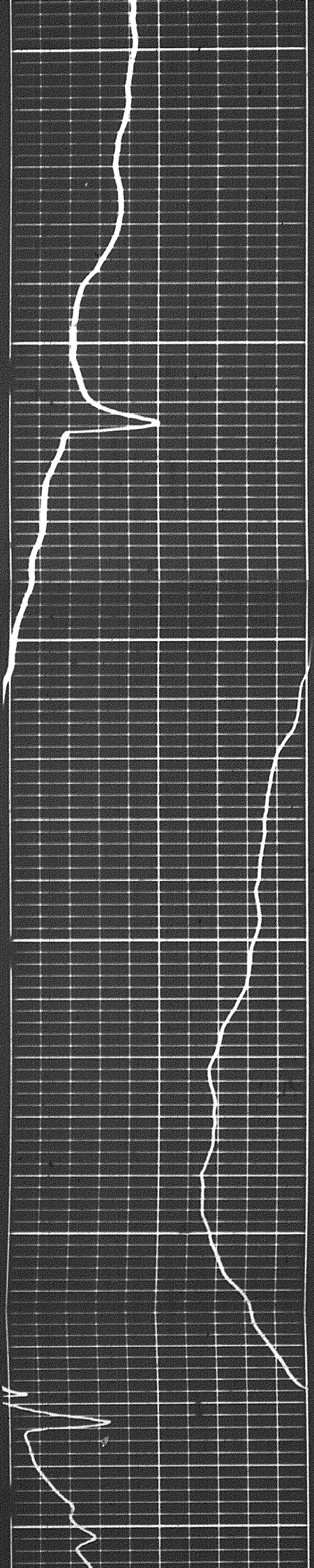


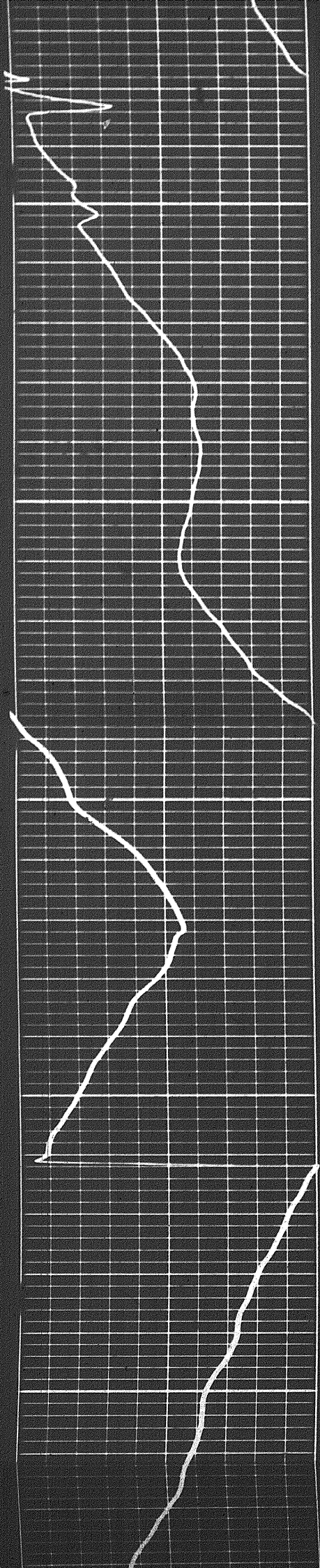


4900

5000

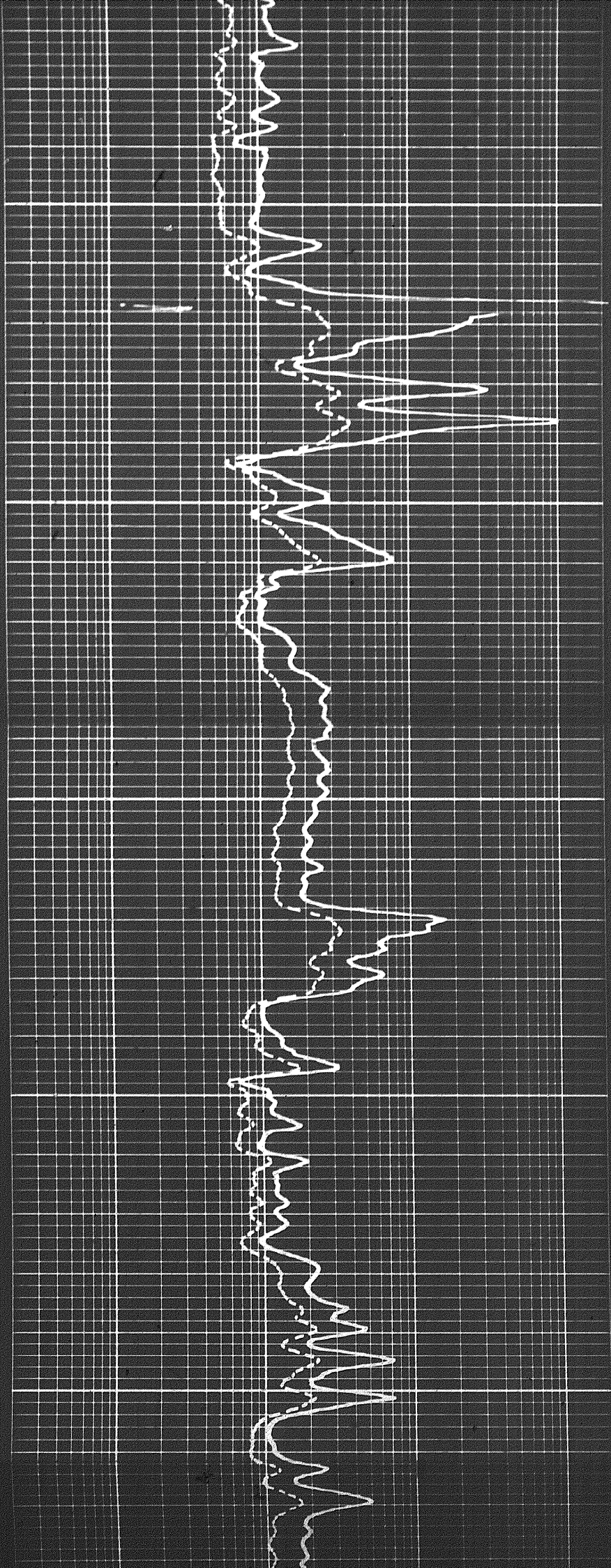
5100

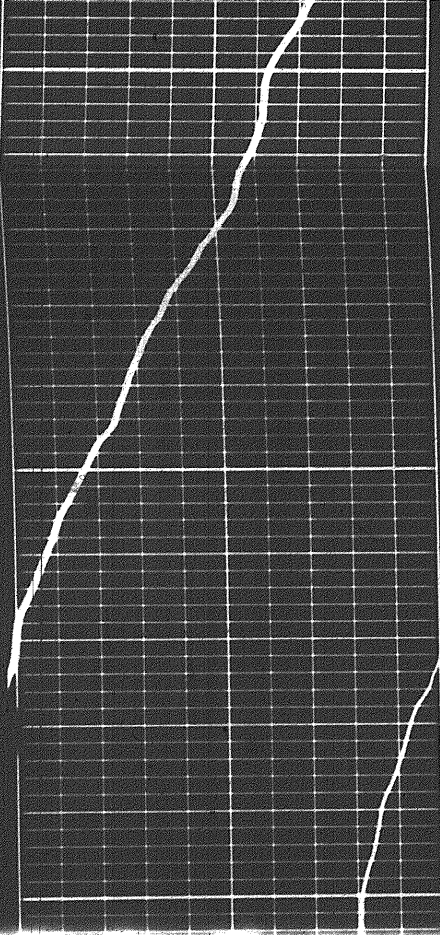




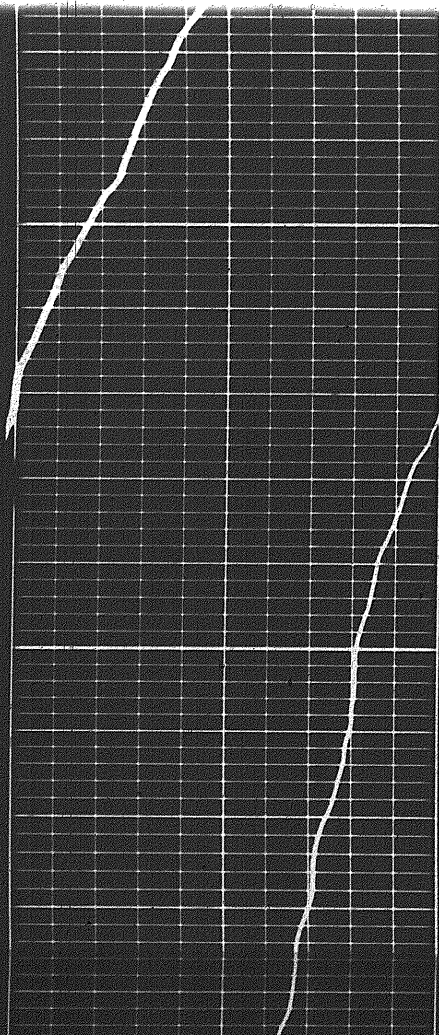
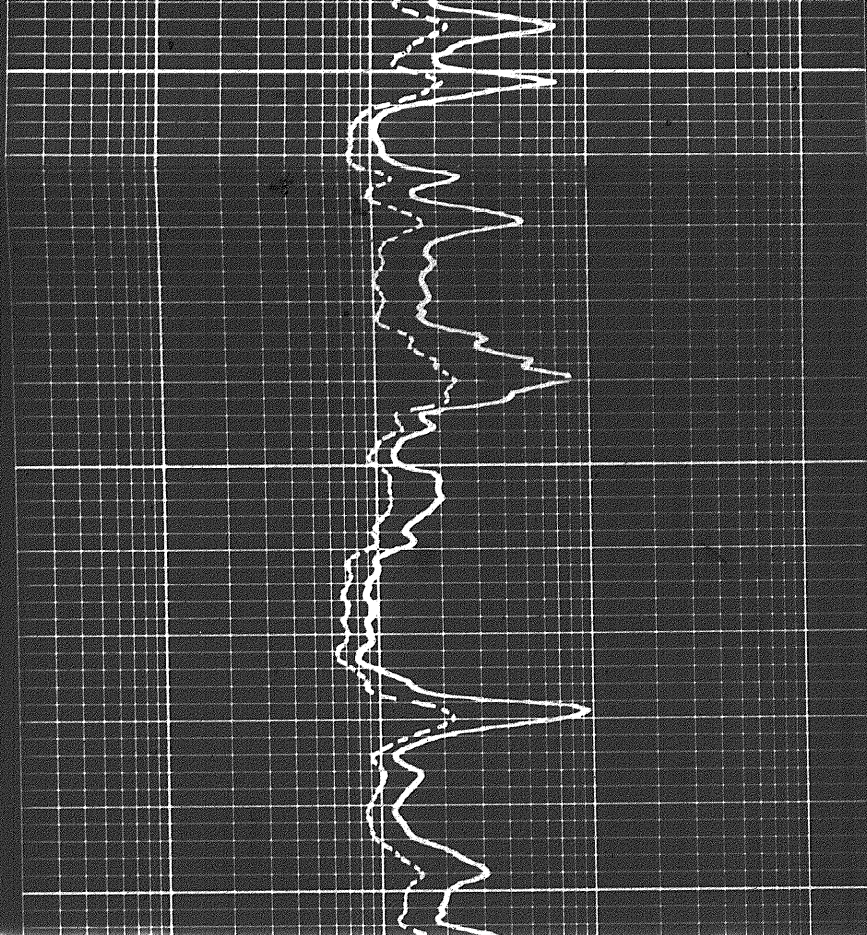
5200

5300

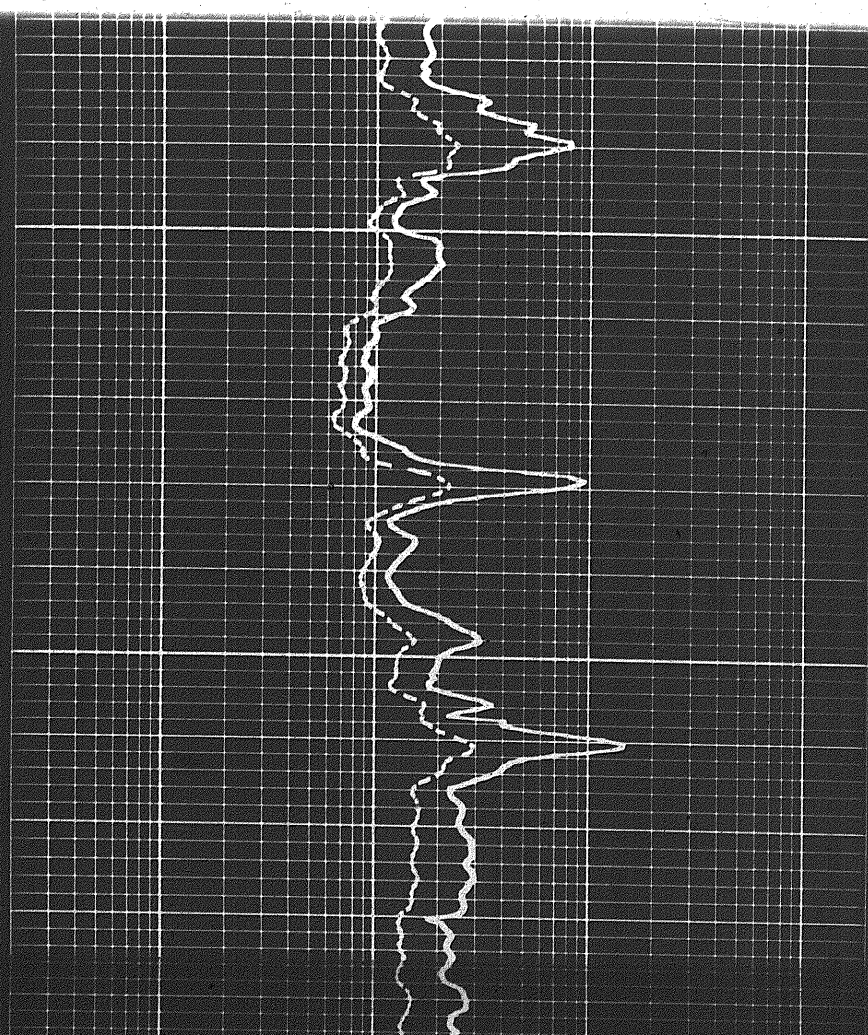


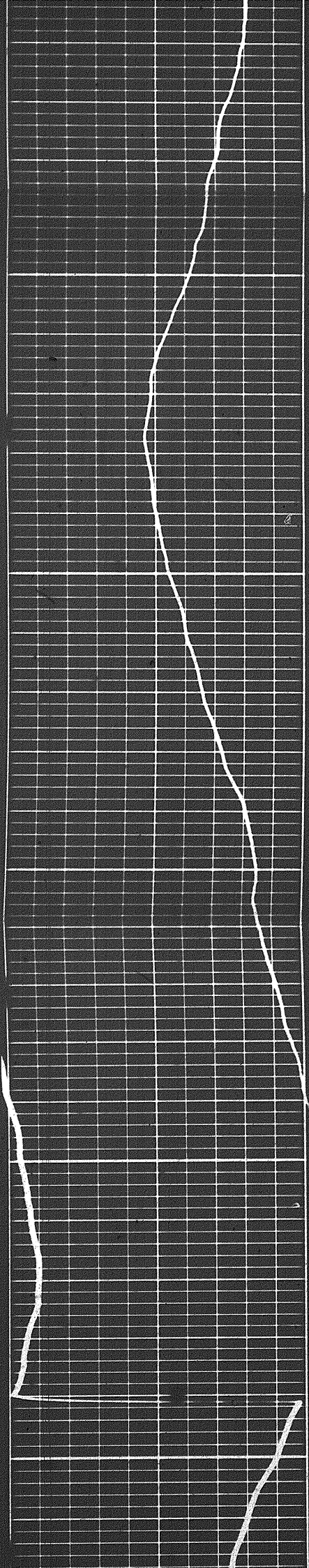


5400



5400

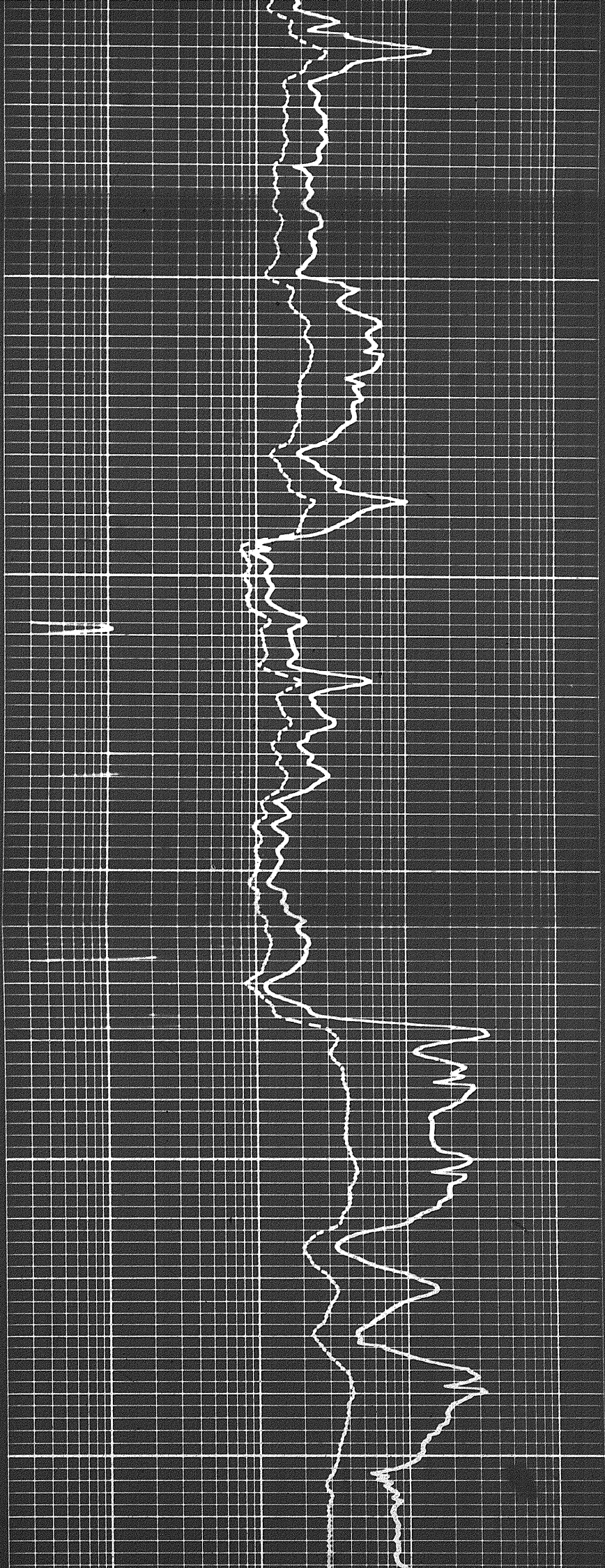


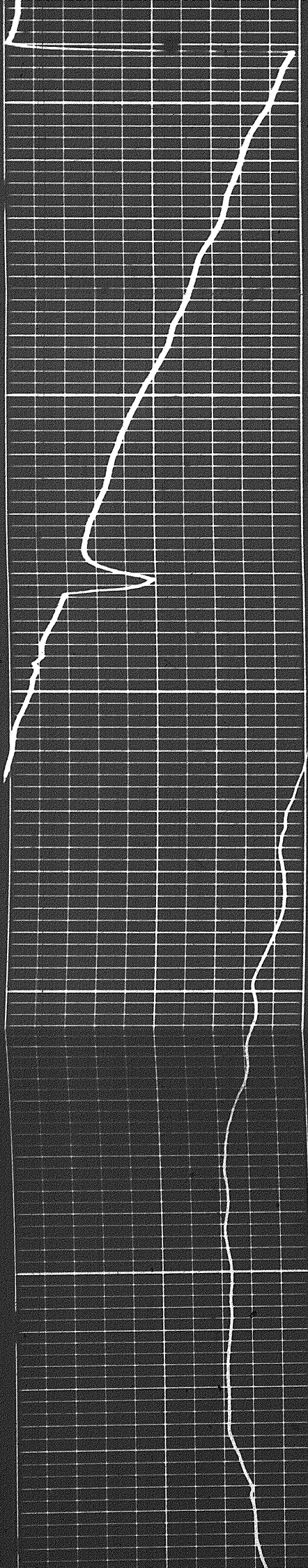


5500

5600

5700

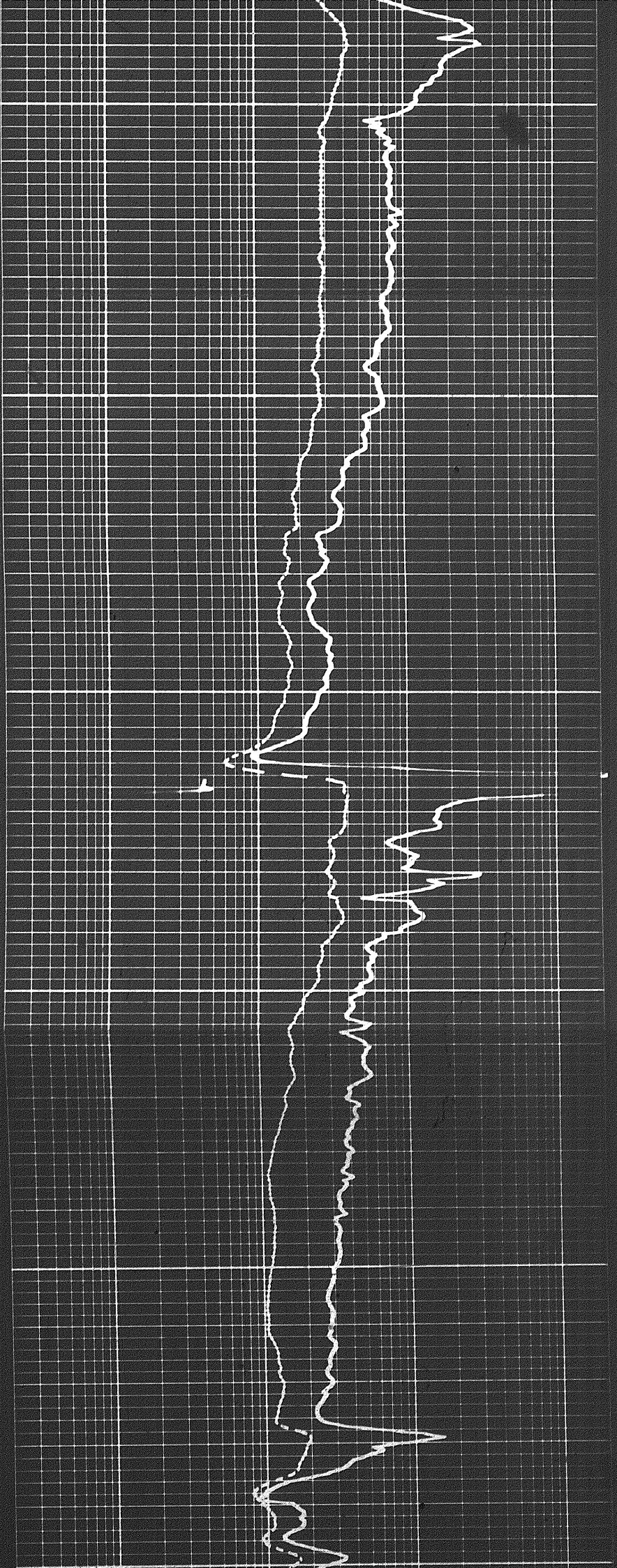


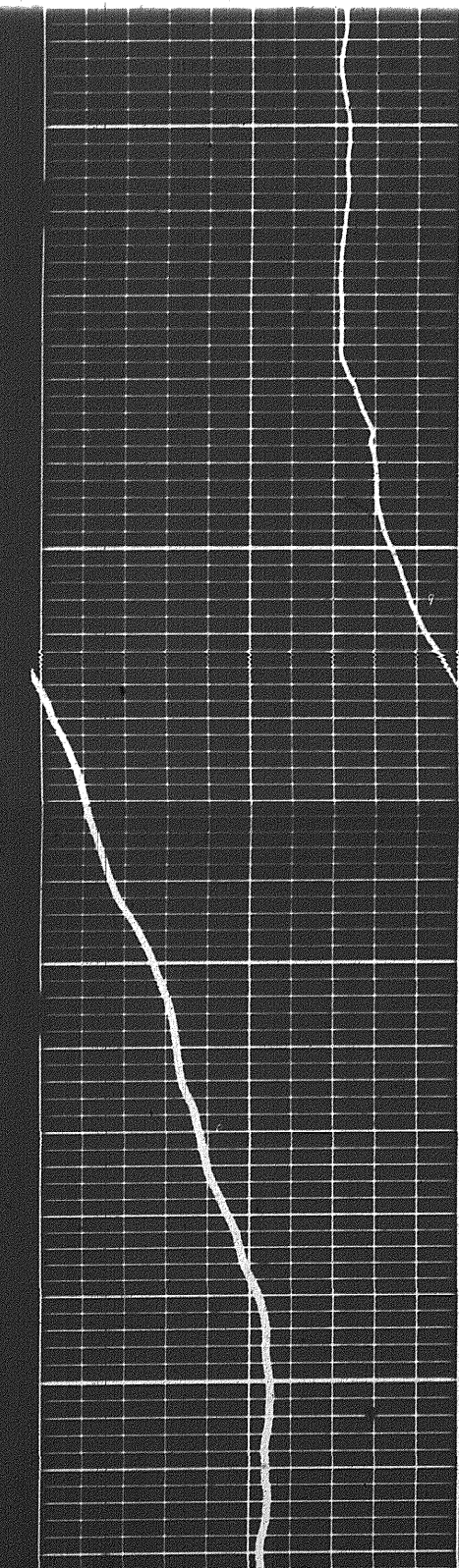


5700

5800

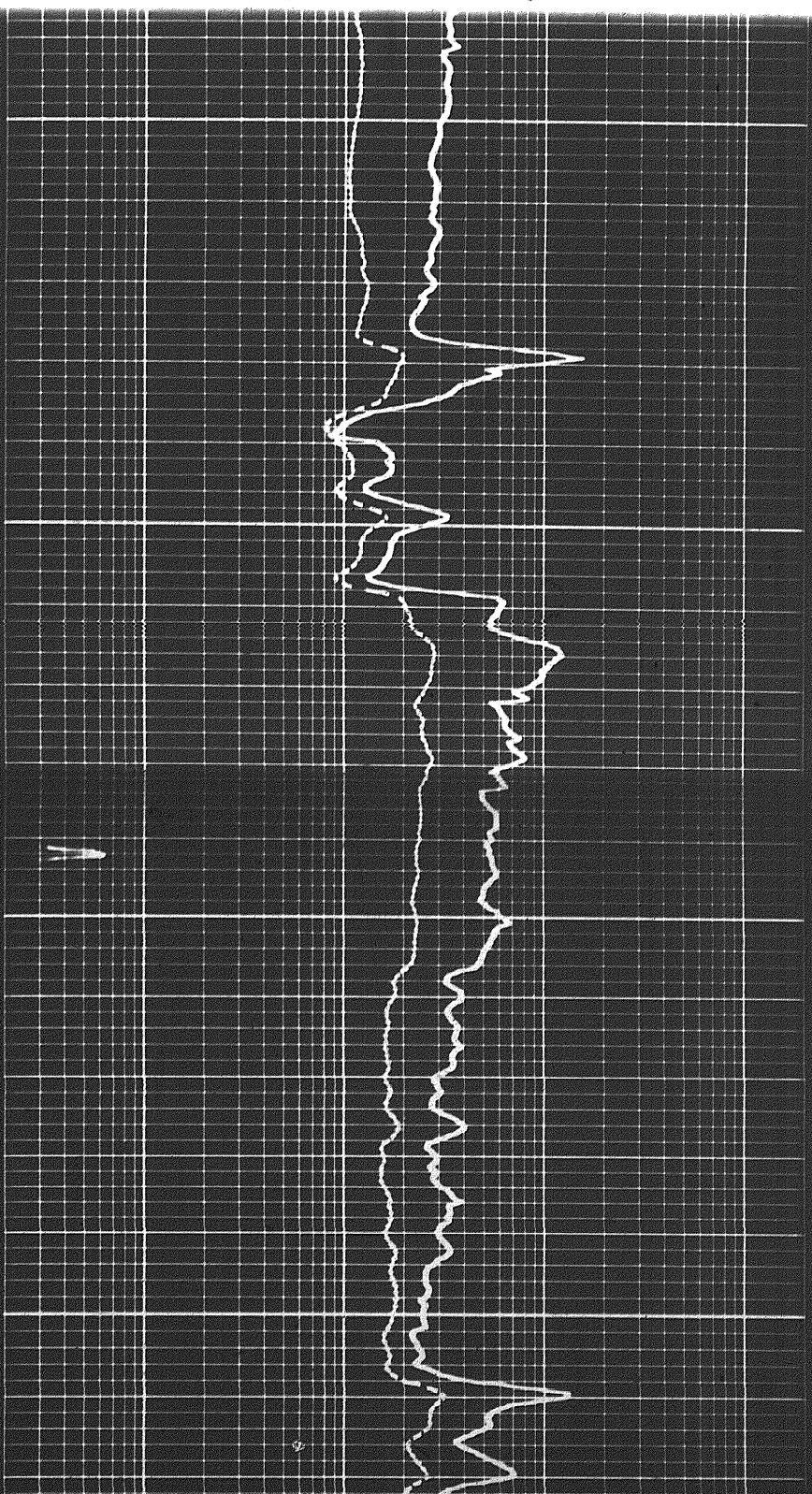
5900



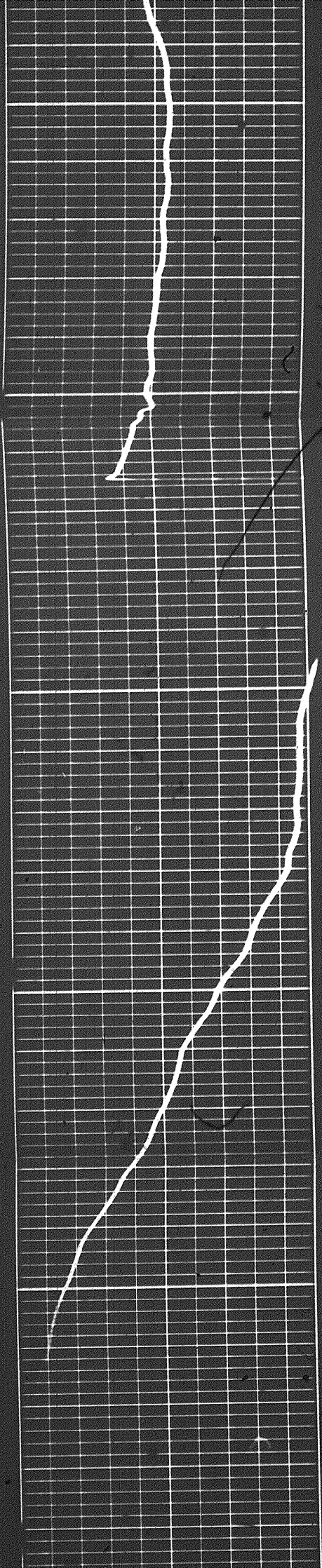


5900

6000



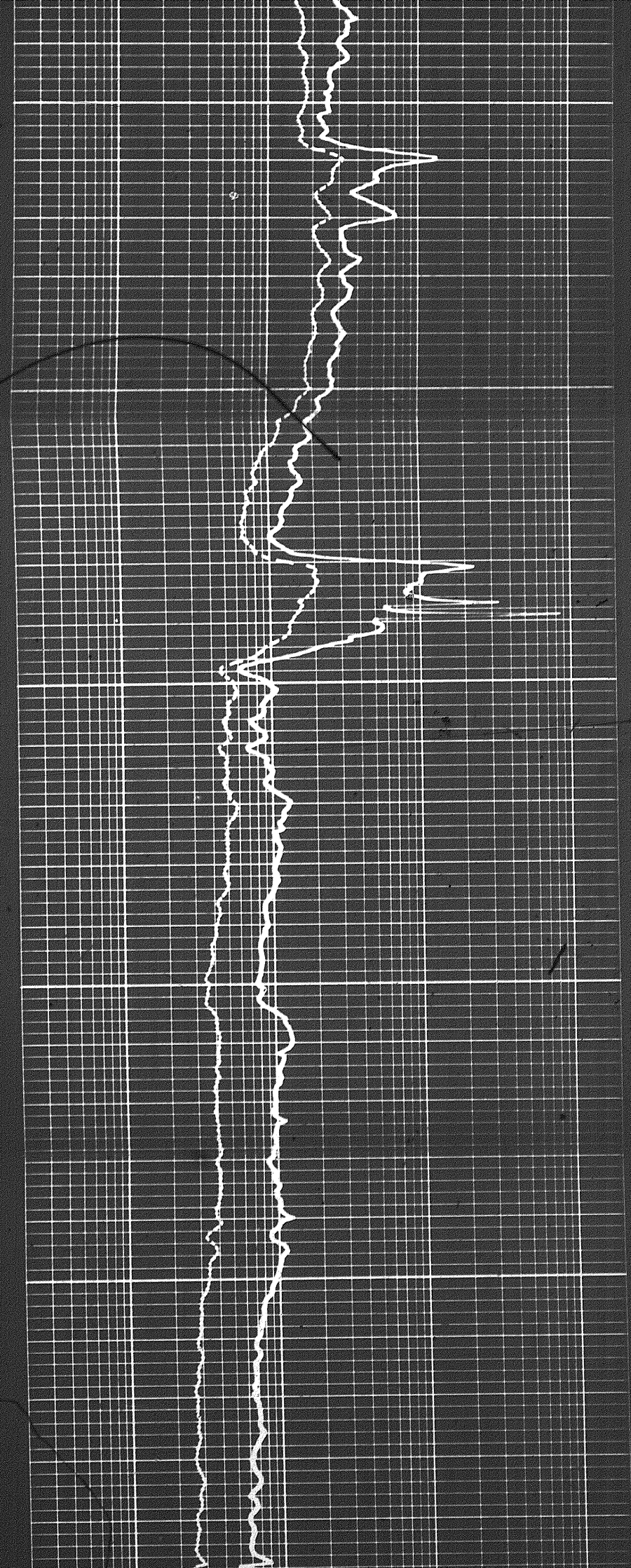


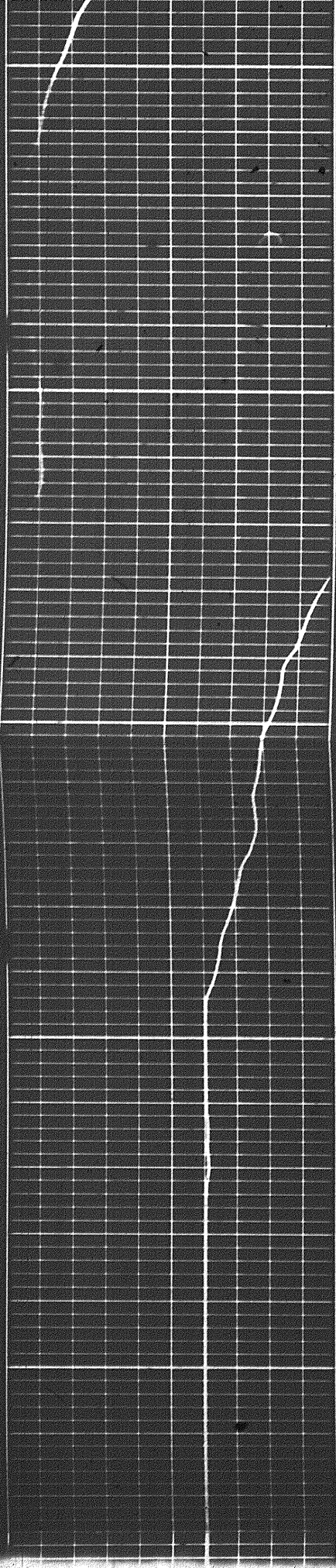


6100

6200

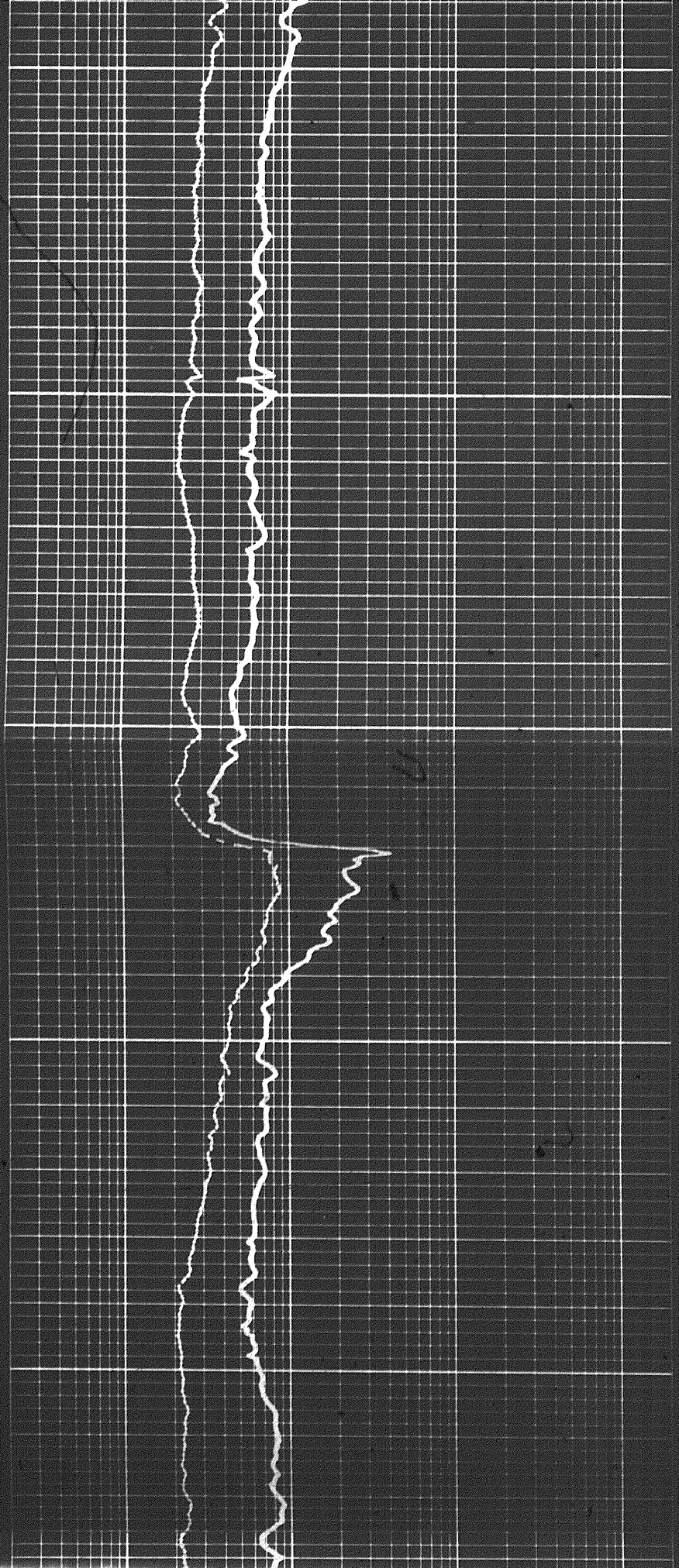
63





6300

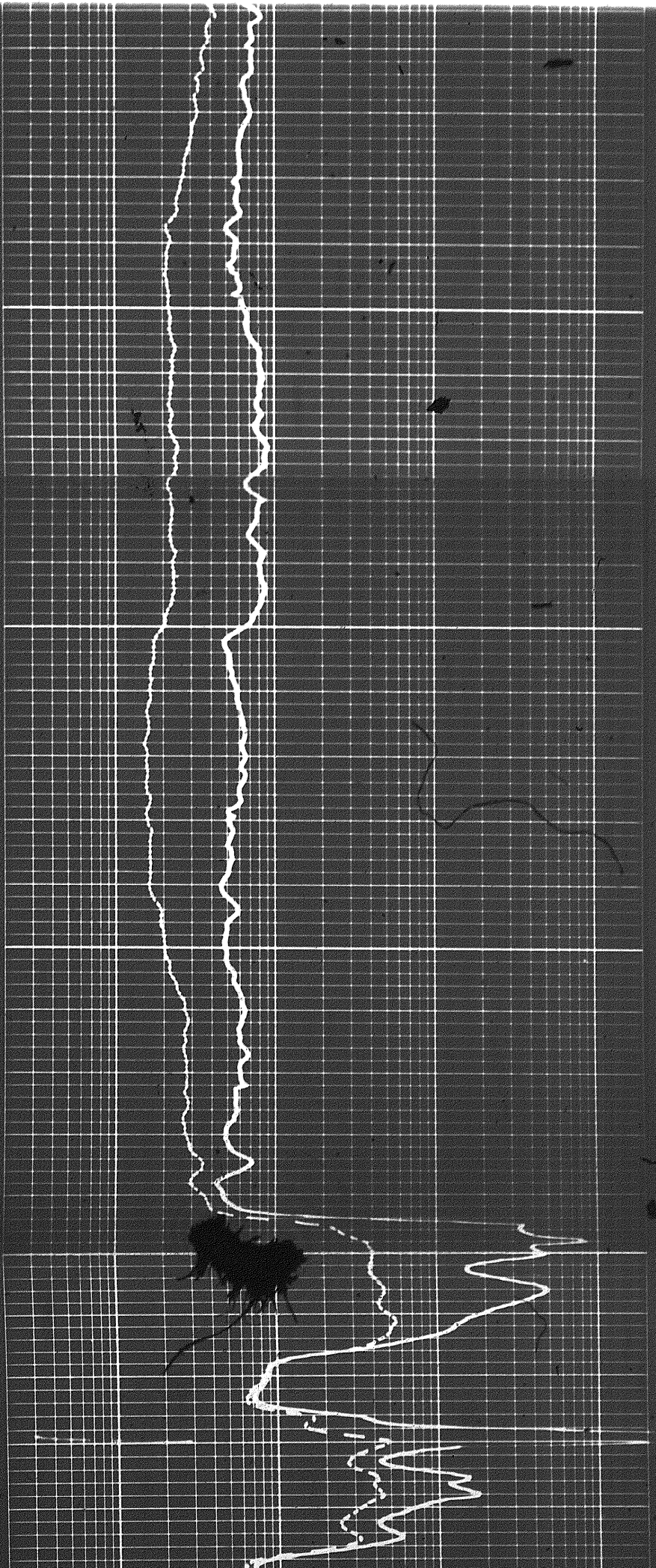
6400



12

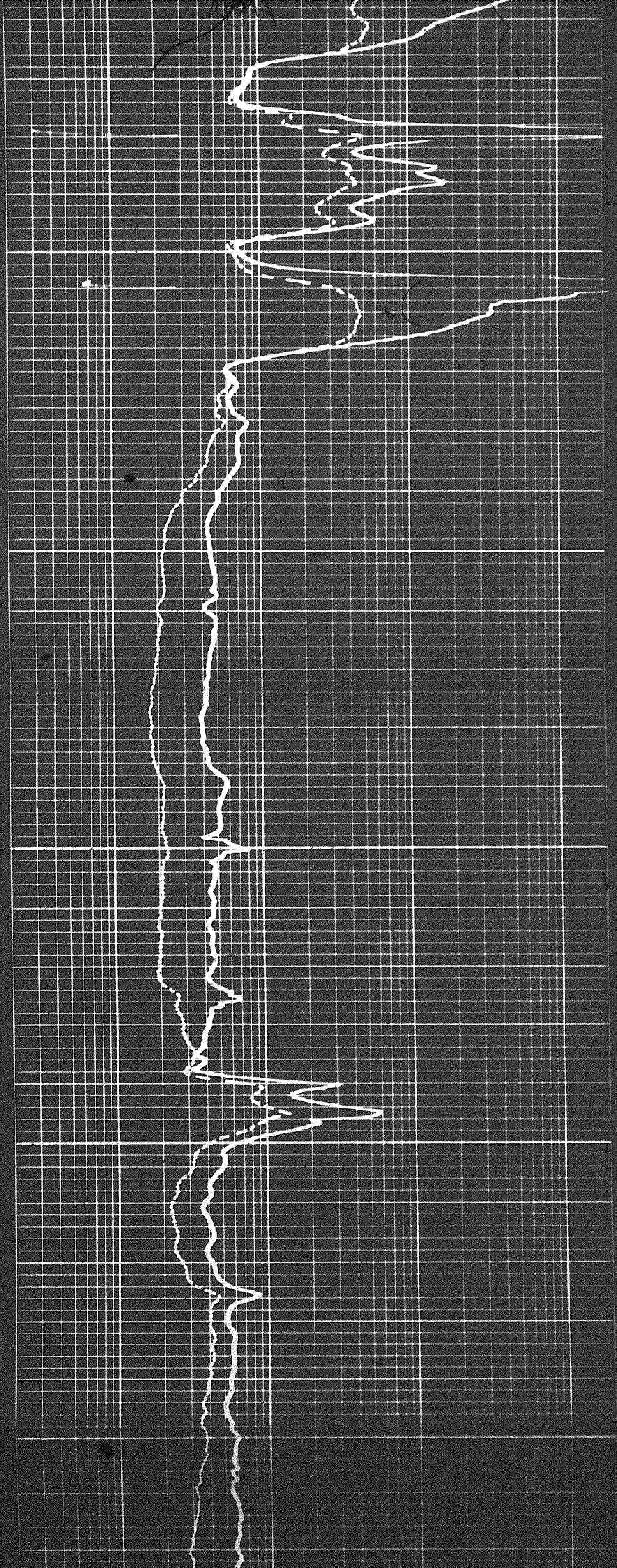
6500

6600

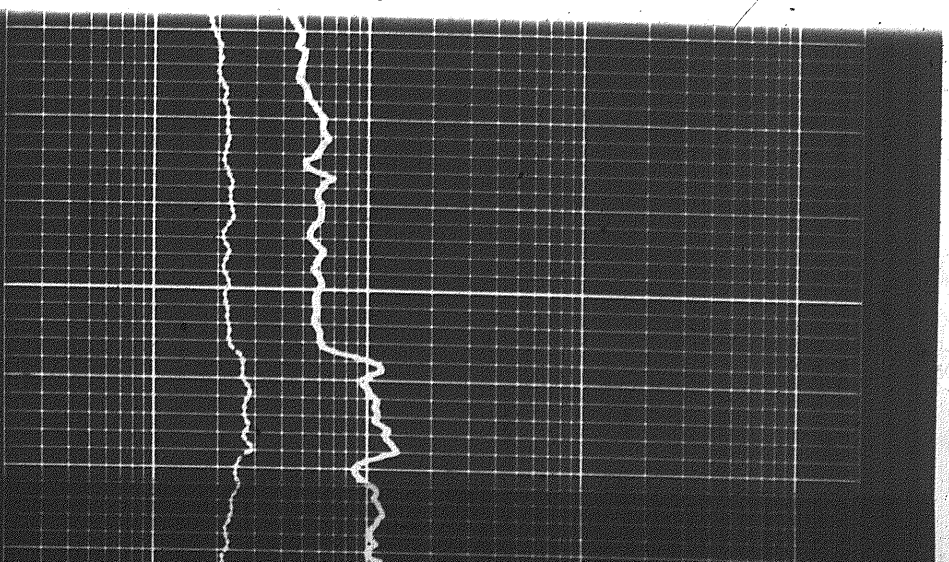
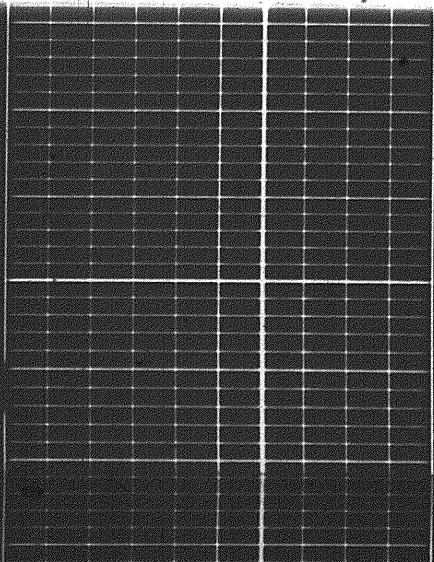
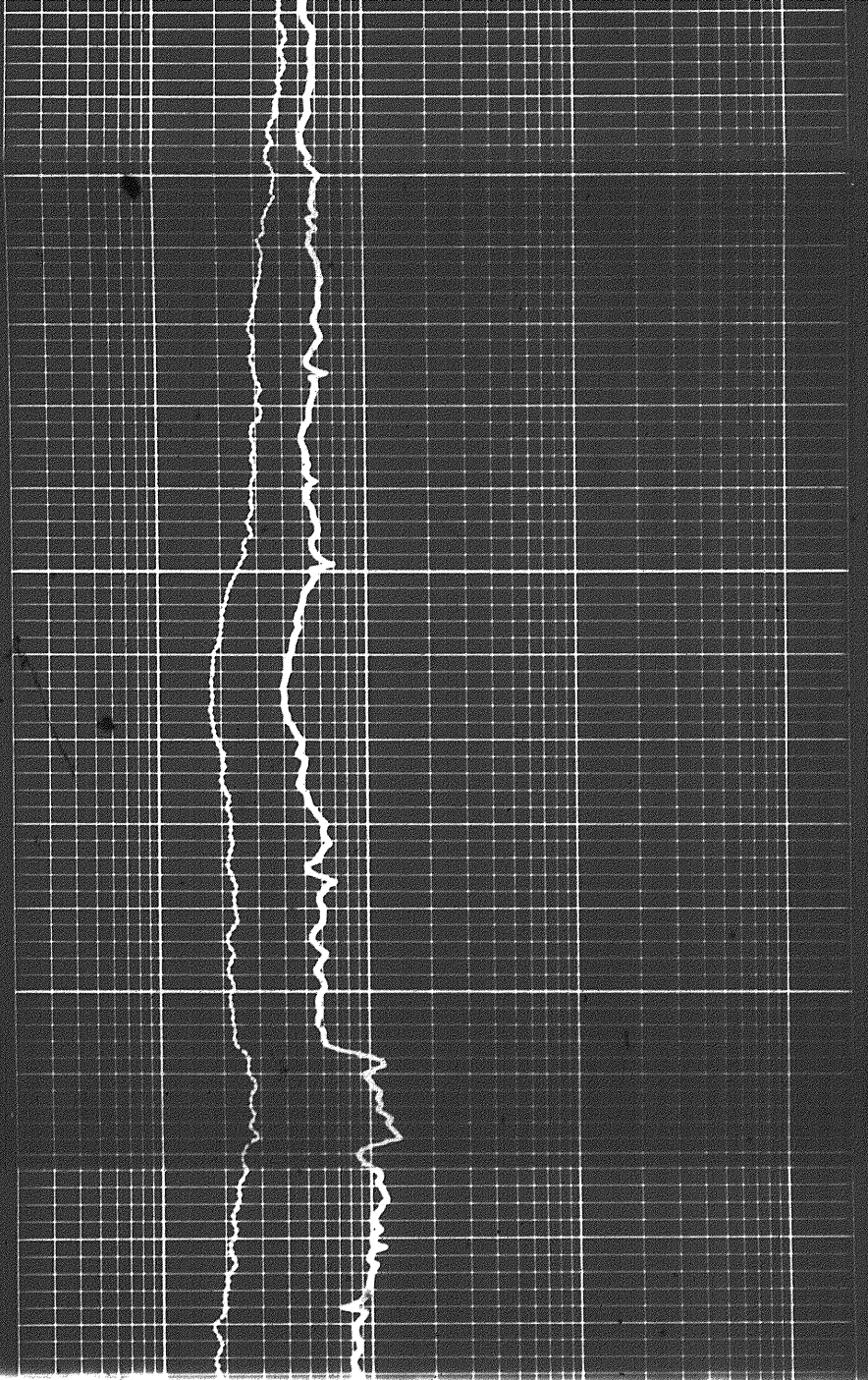
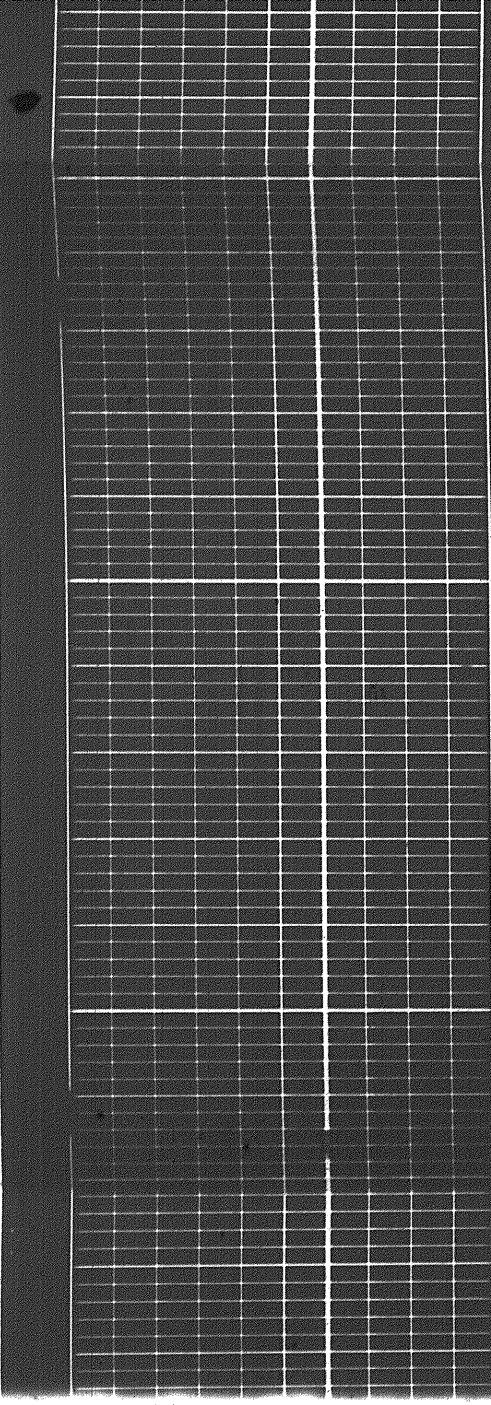


6700

6800



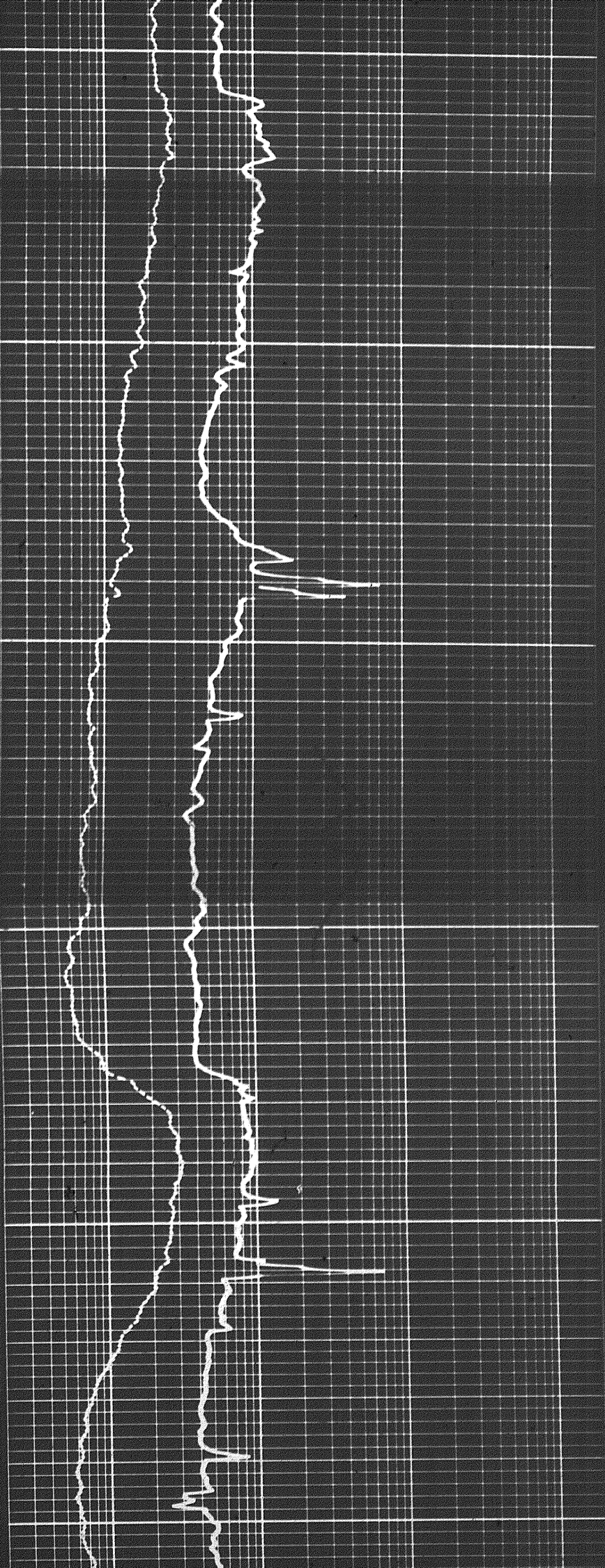
0690



7000

7100

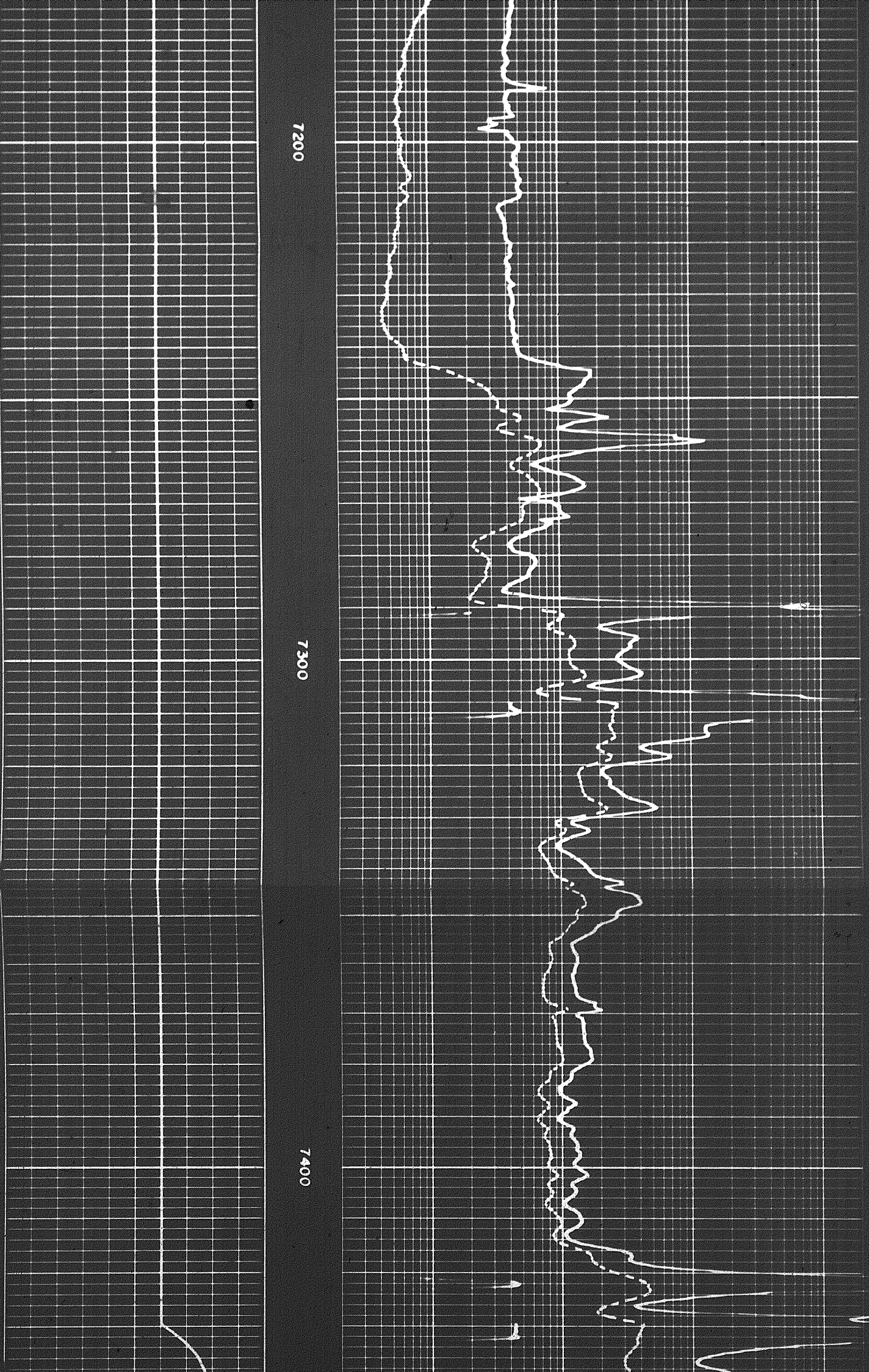
7200

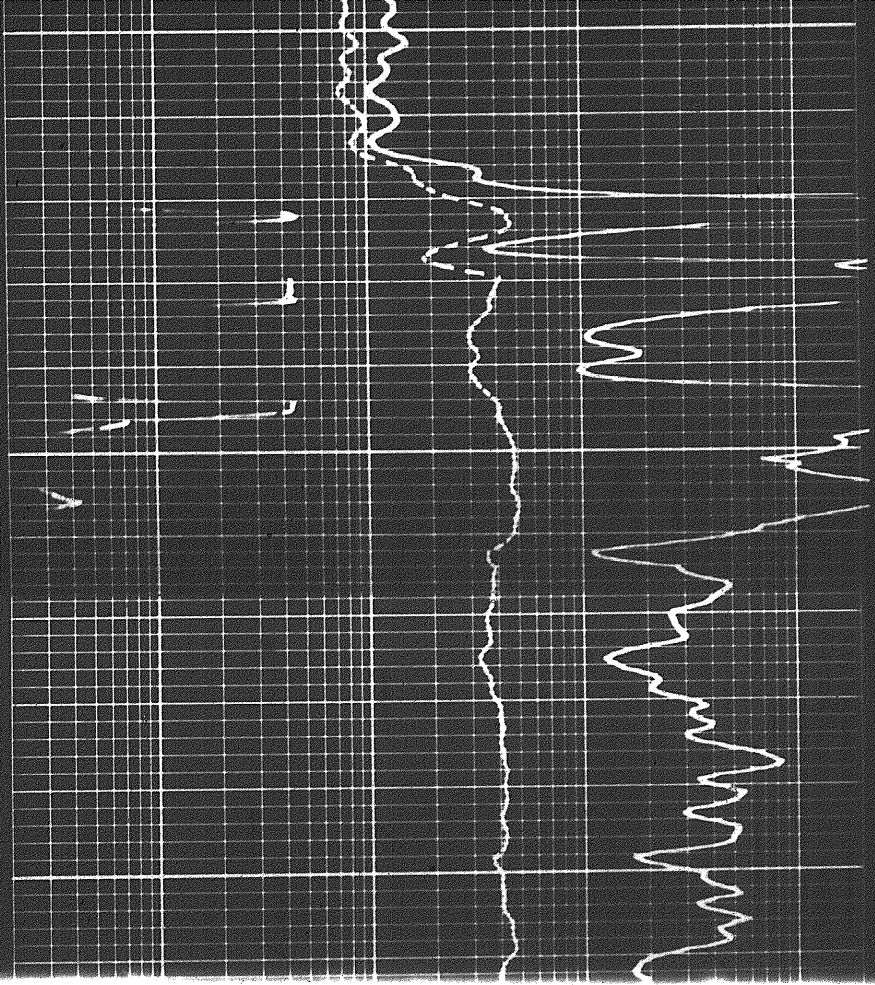


7200

7300

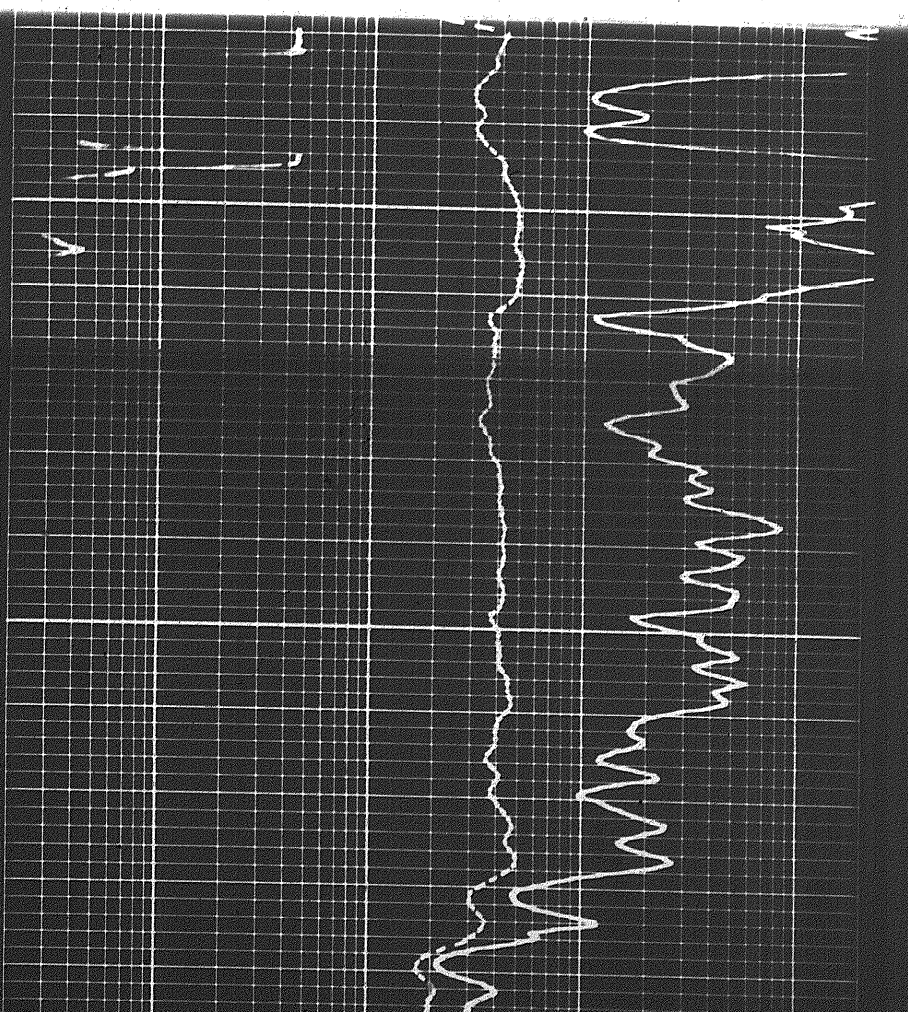
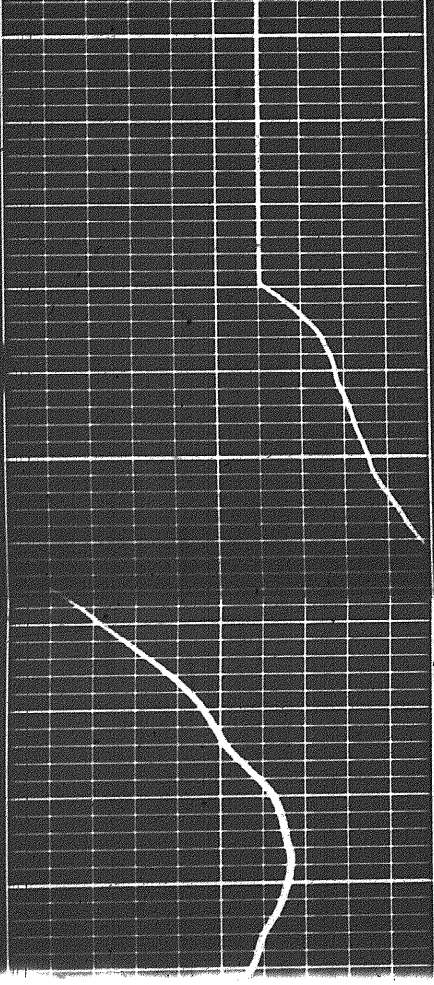
7400



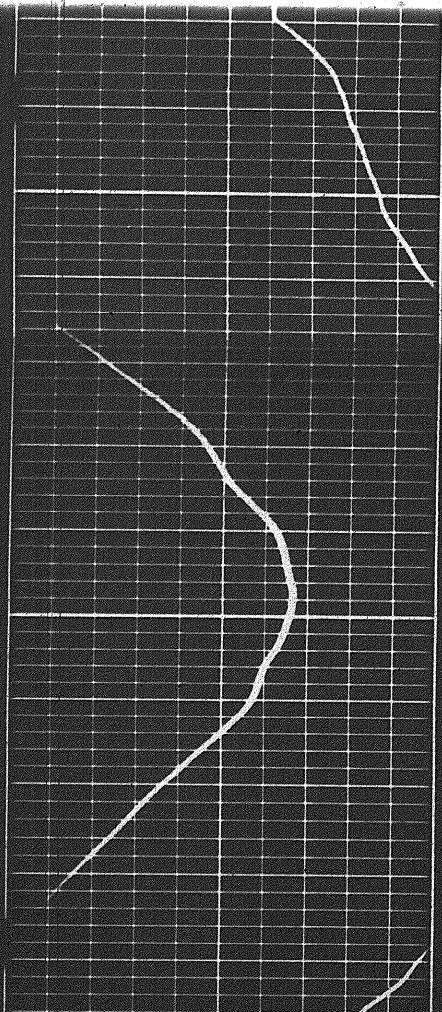


7400

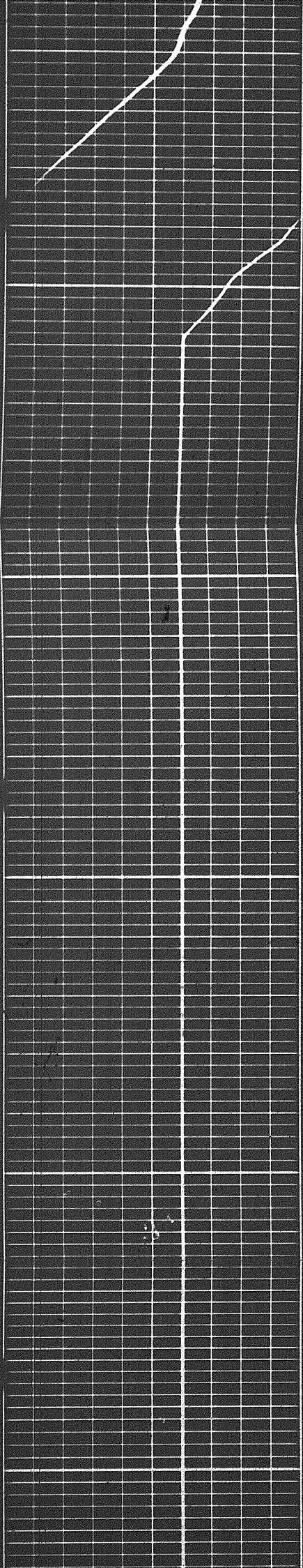
7500



7500

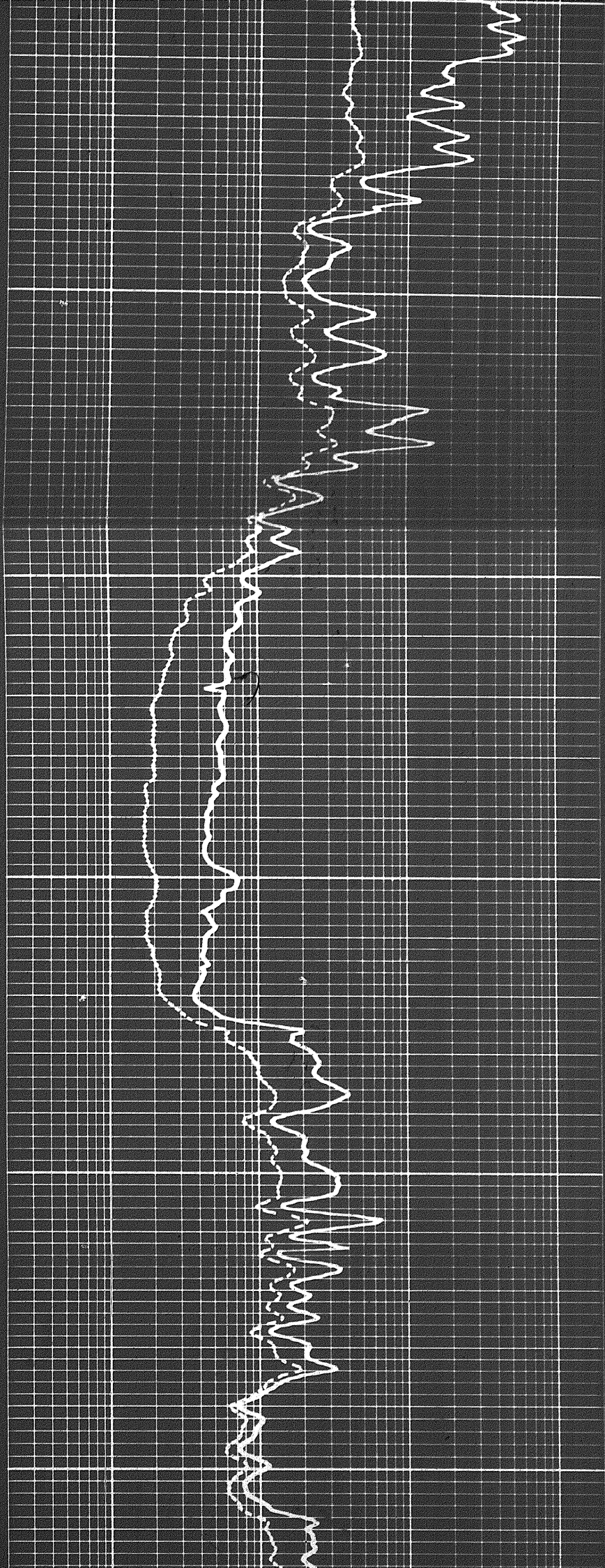


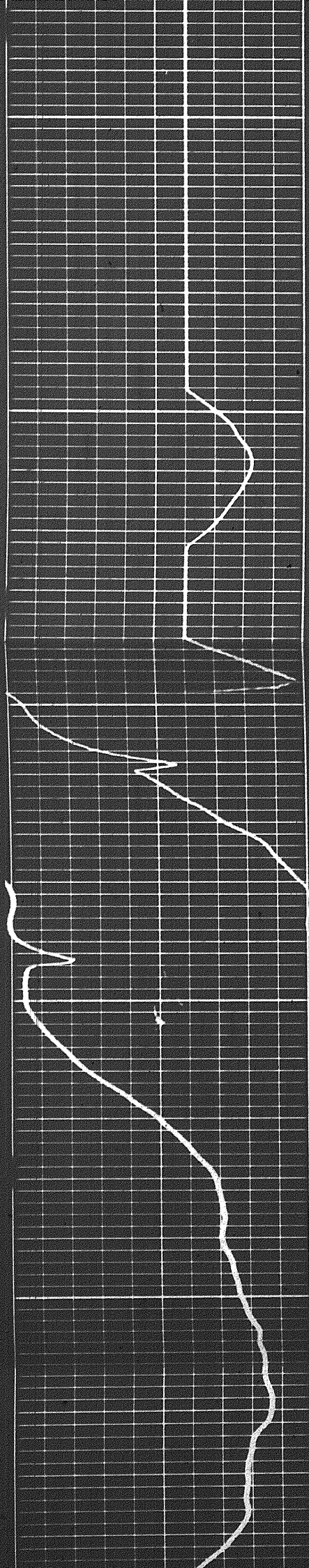




7600

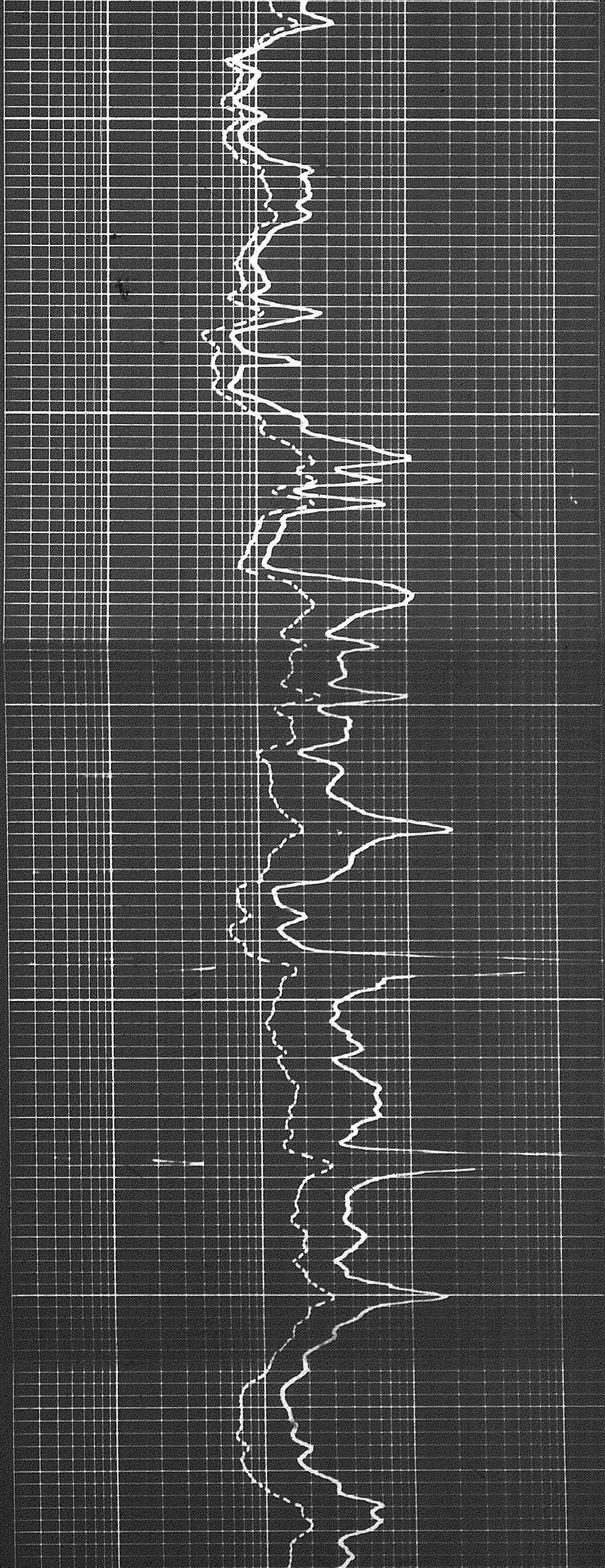
7700

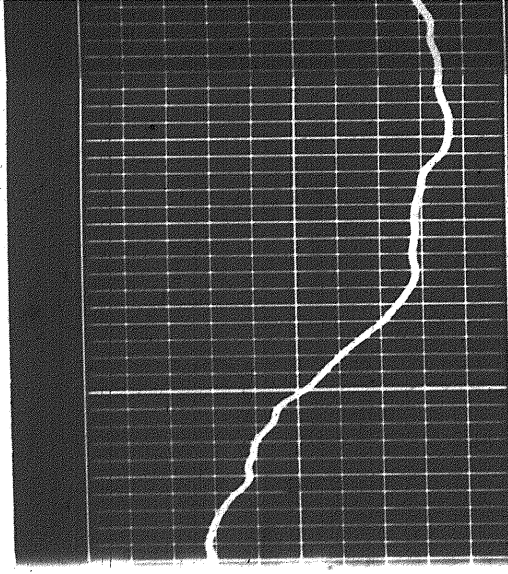




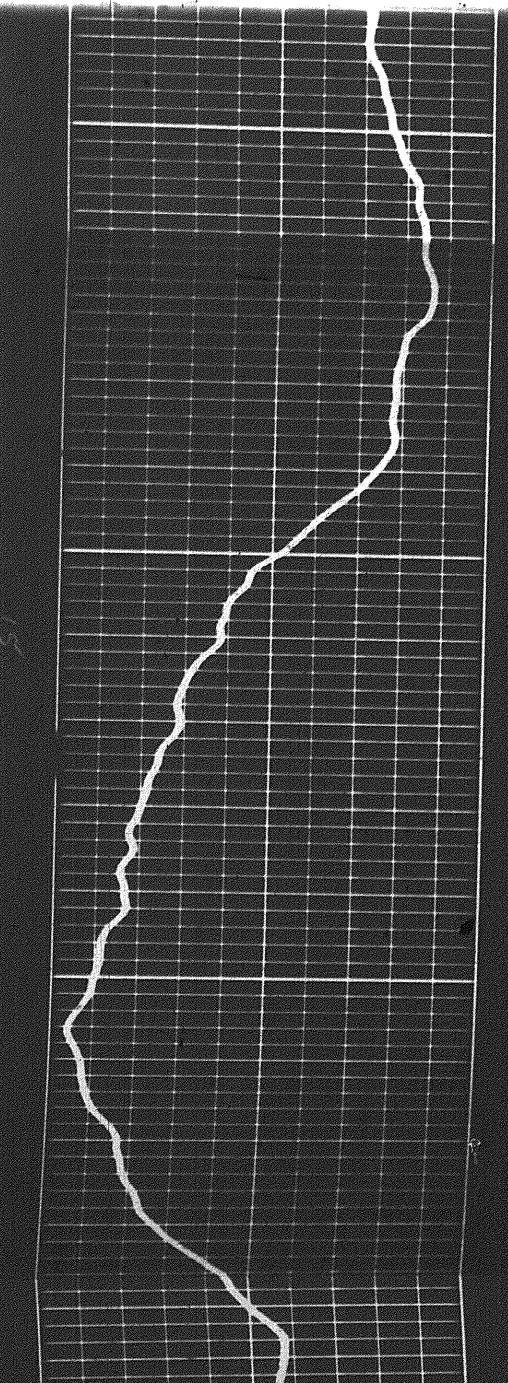
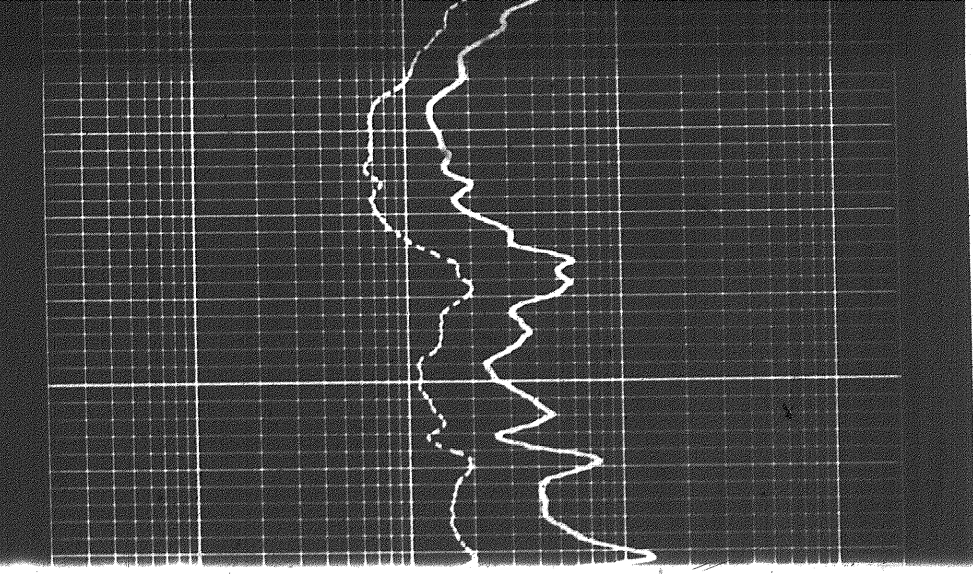
7800

7900

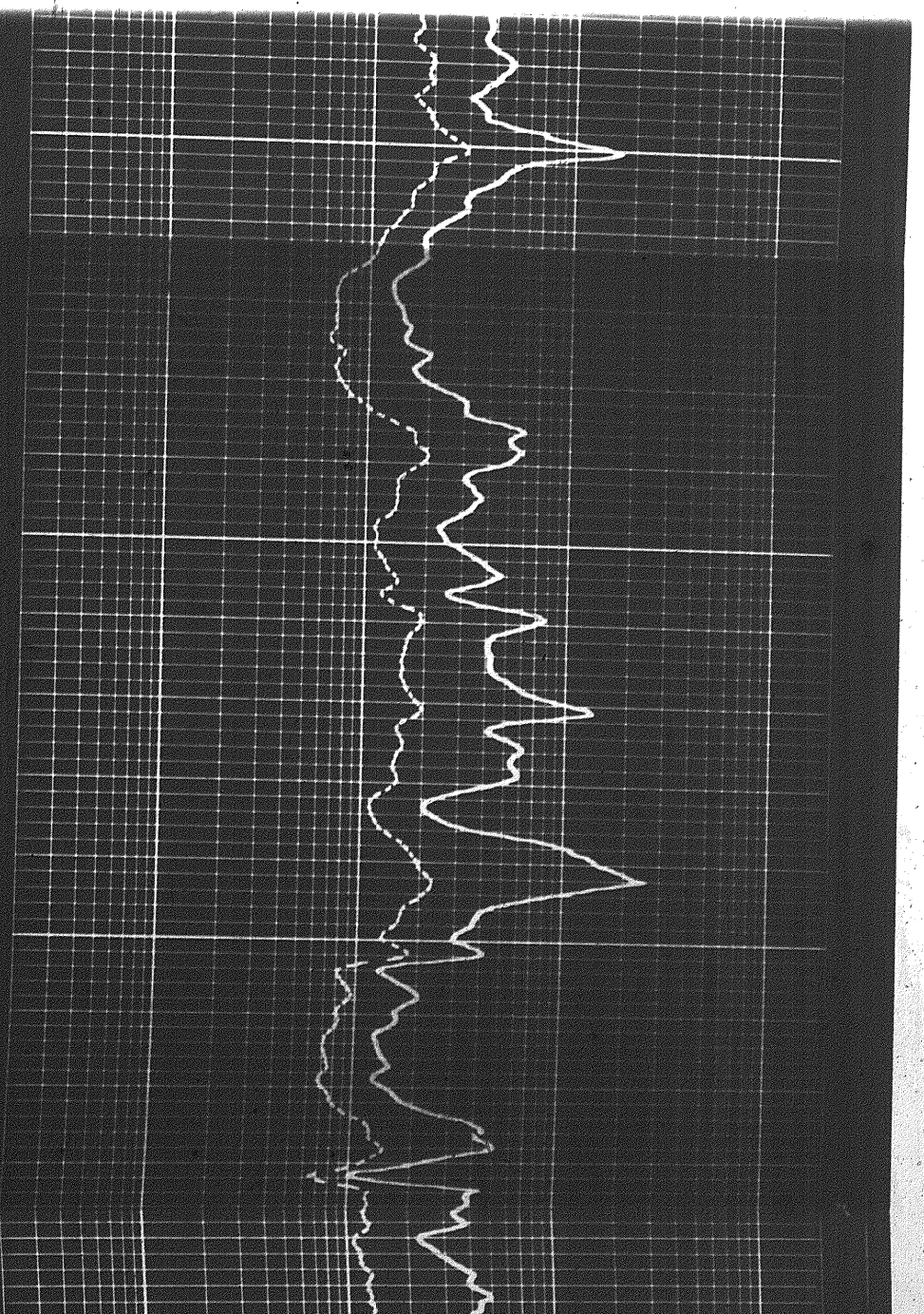


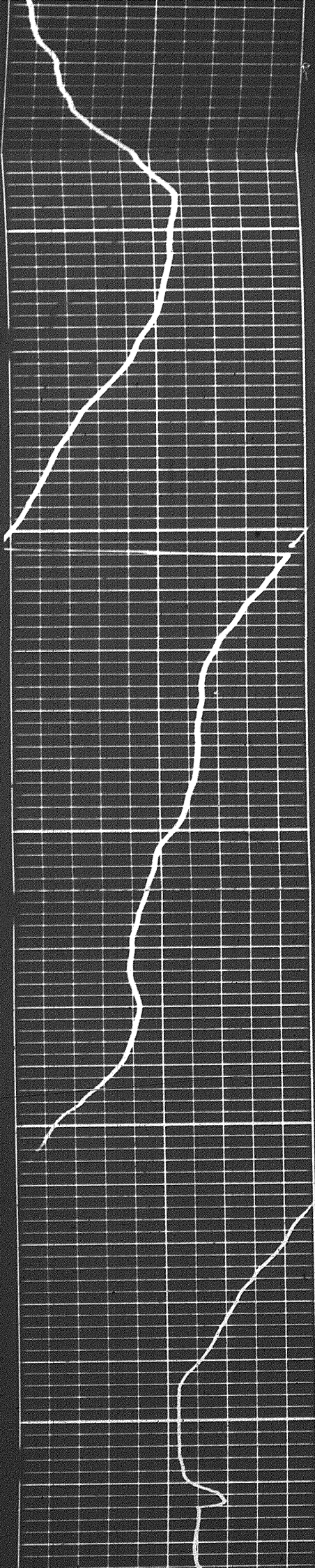


0008



0008

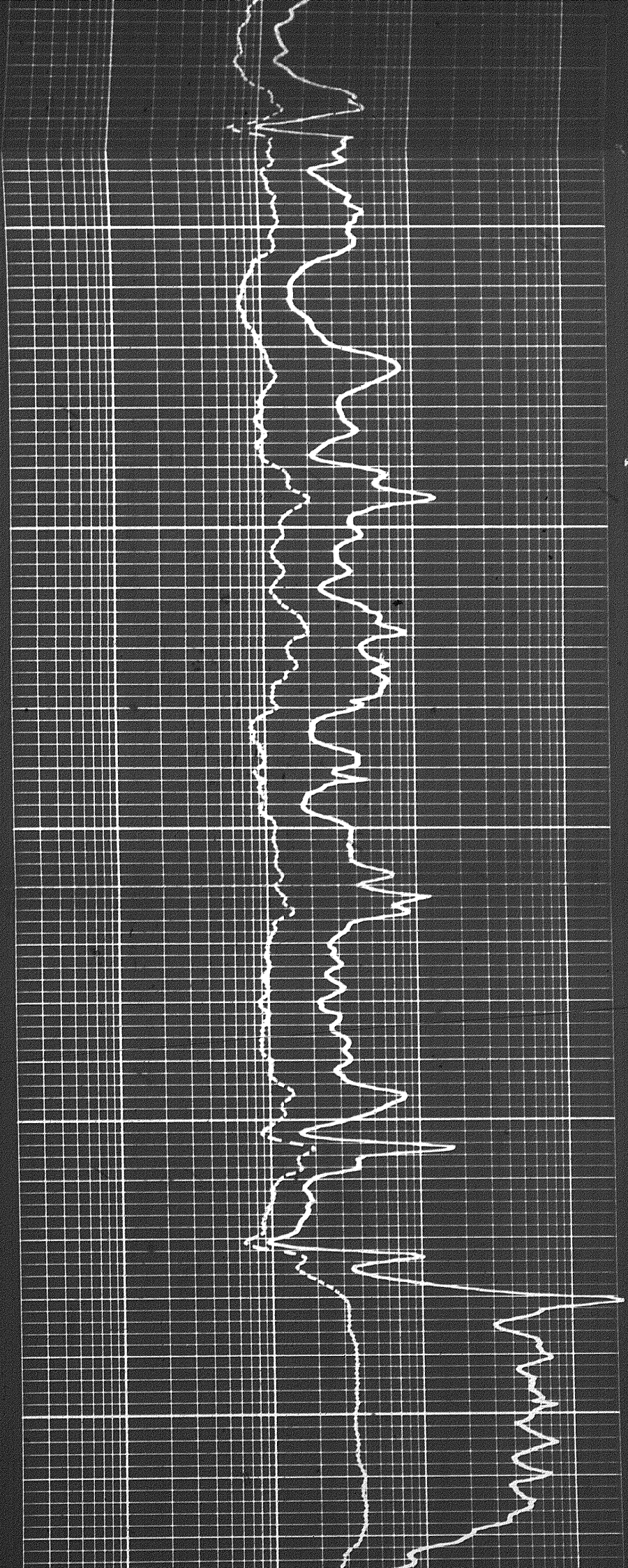


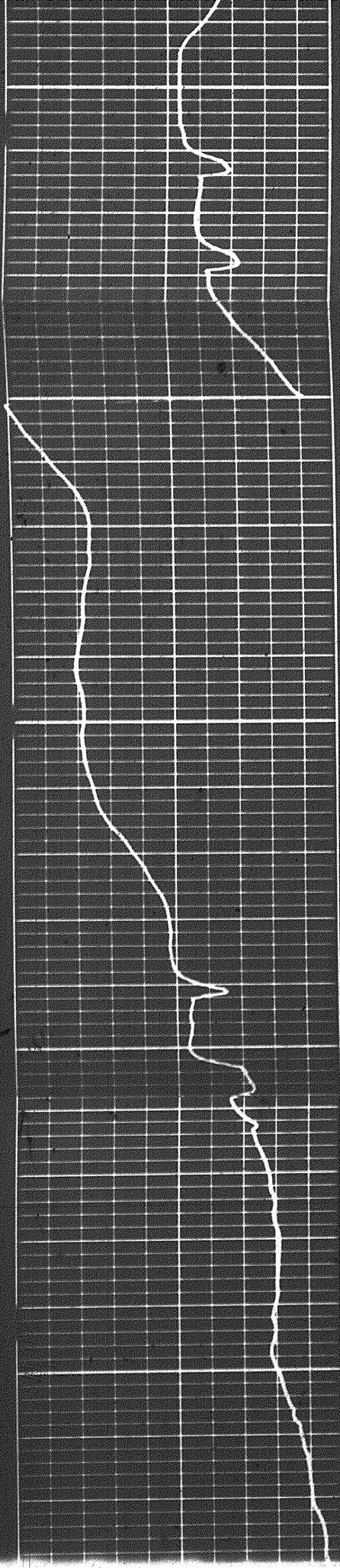


8100

8200

8300

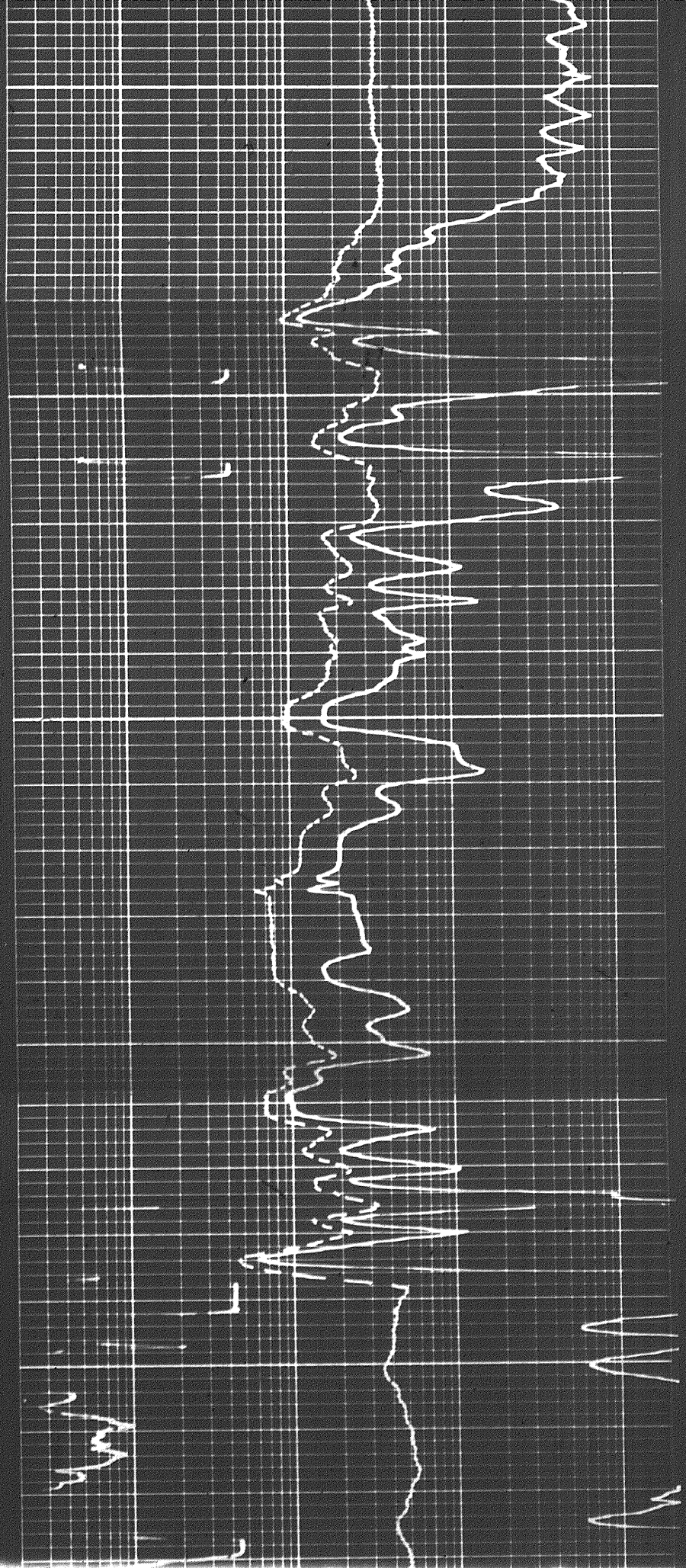




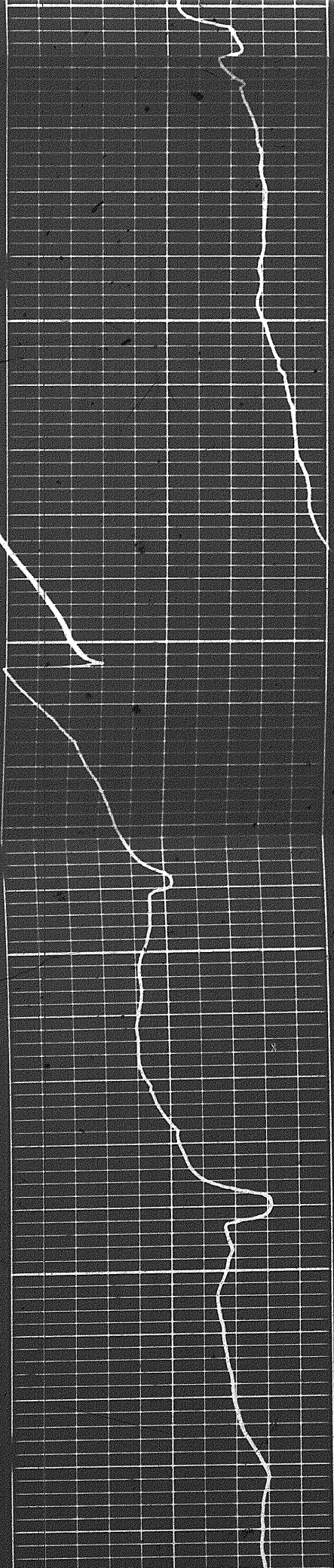
8300

8400

8500

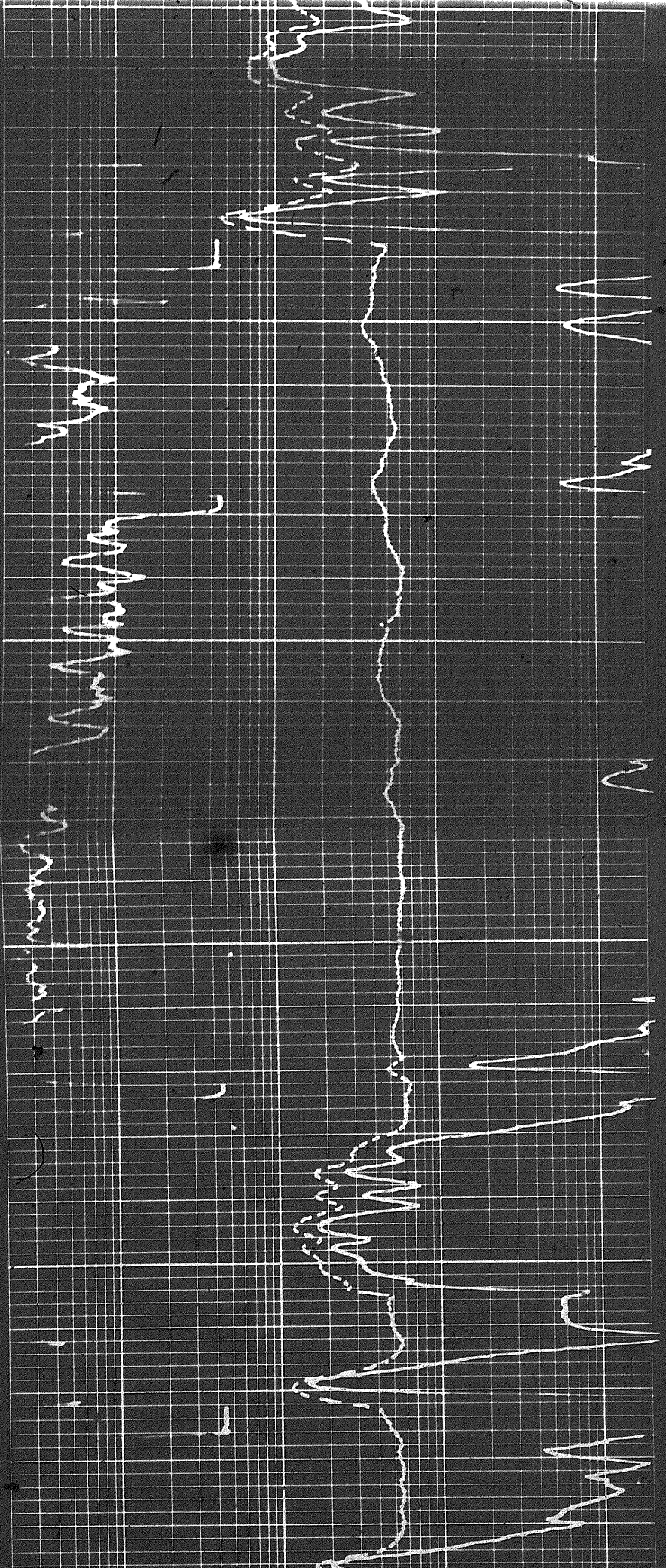


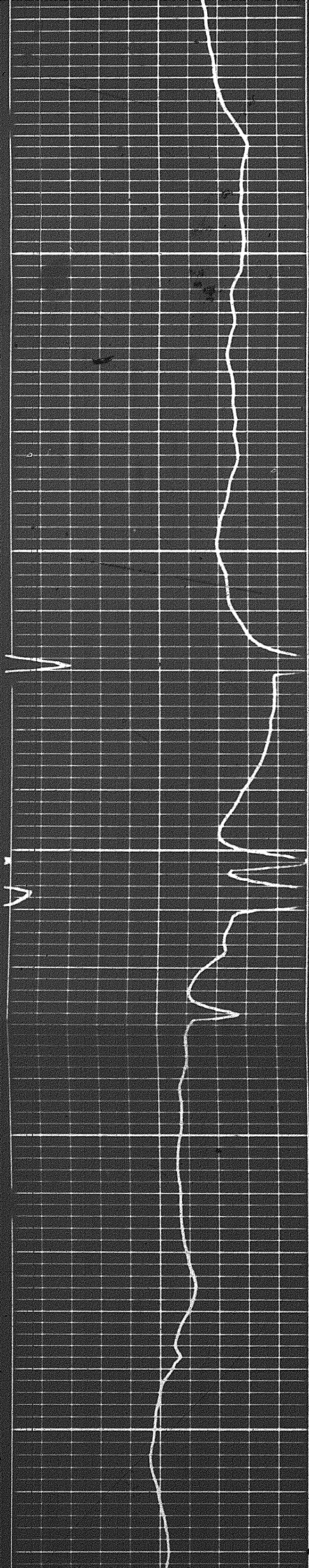
16



0050

0038

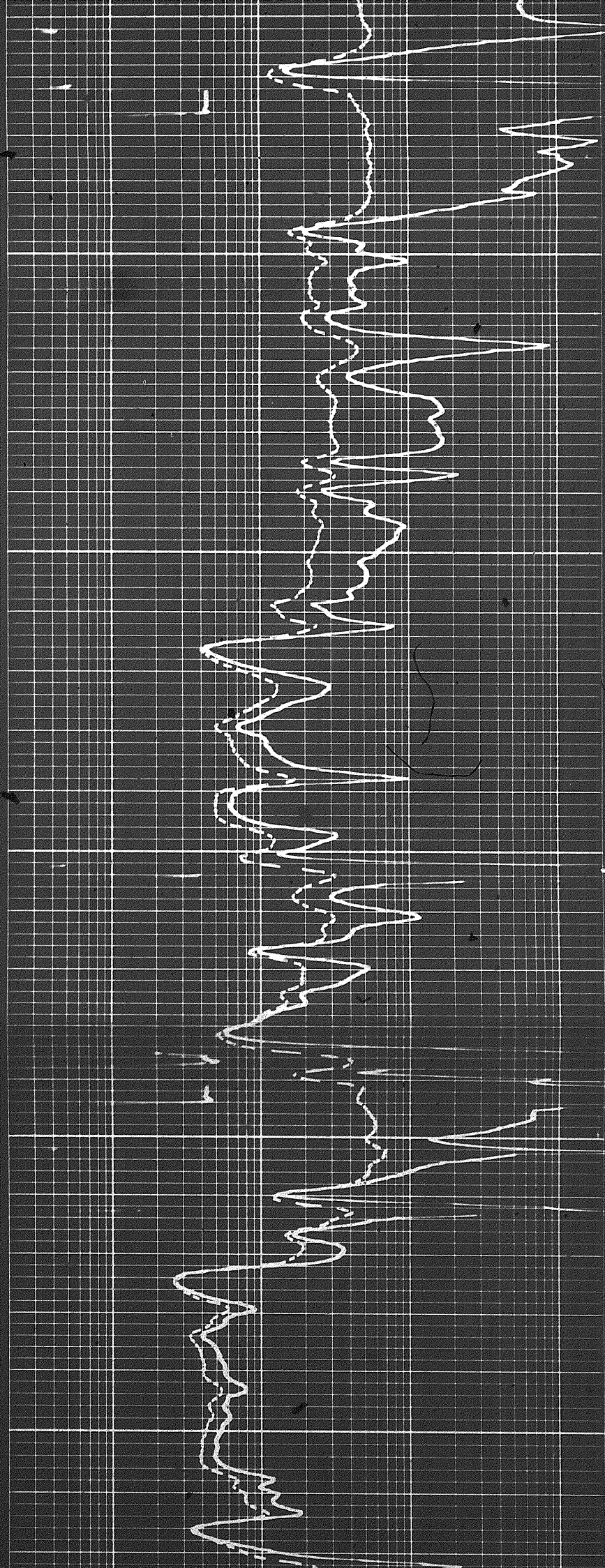


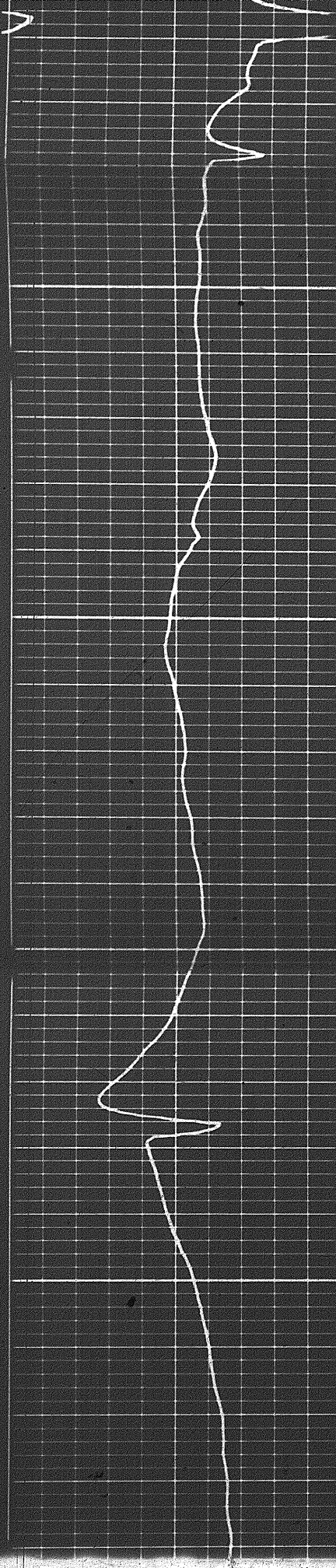


8700

8800

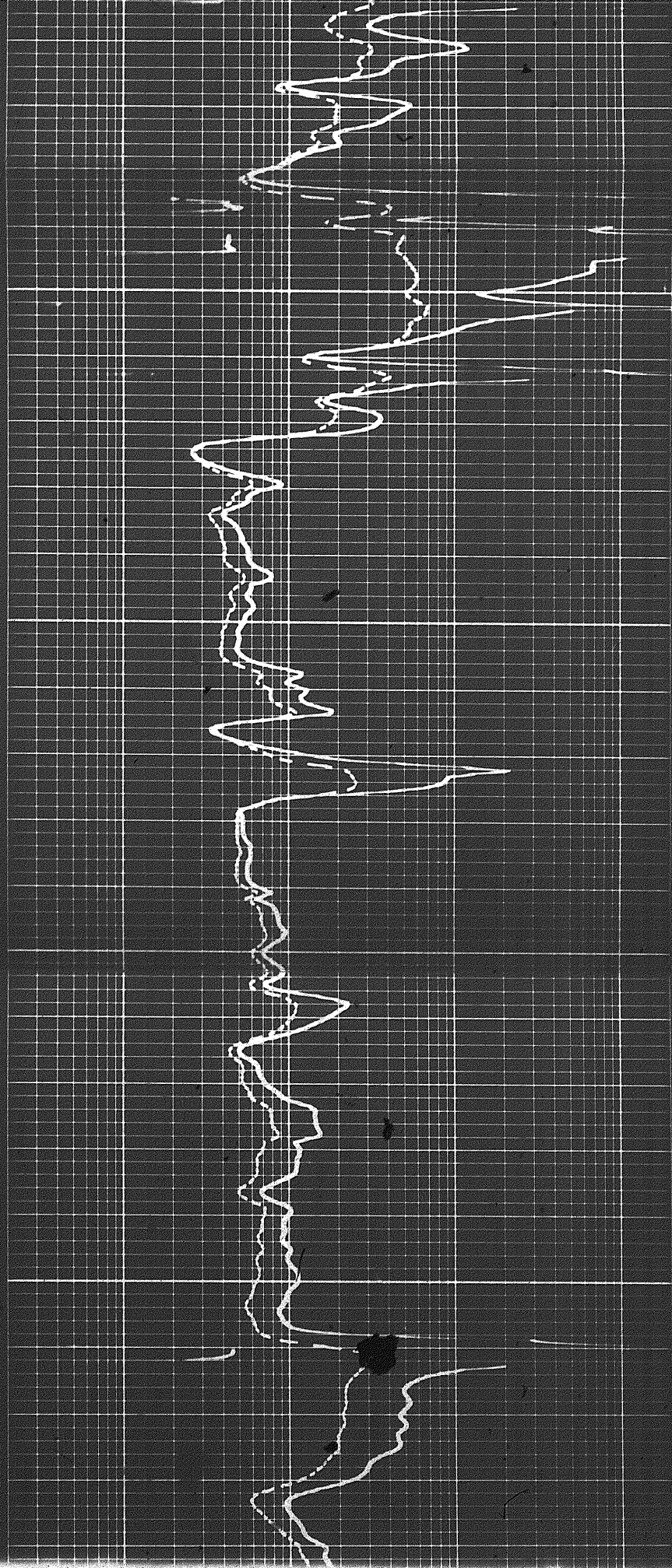
8900



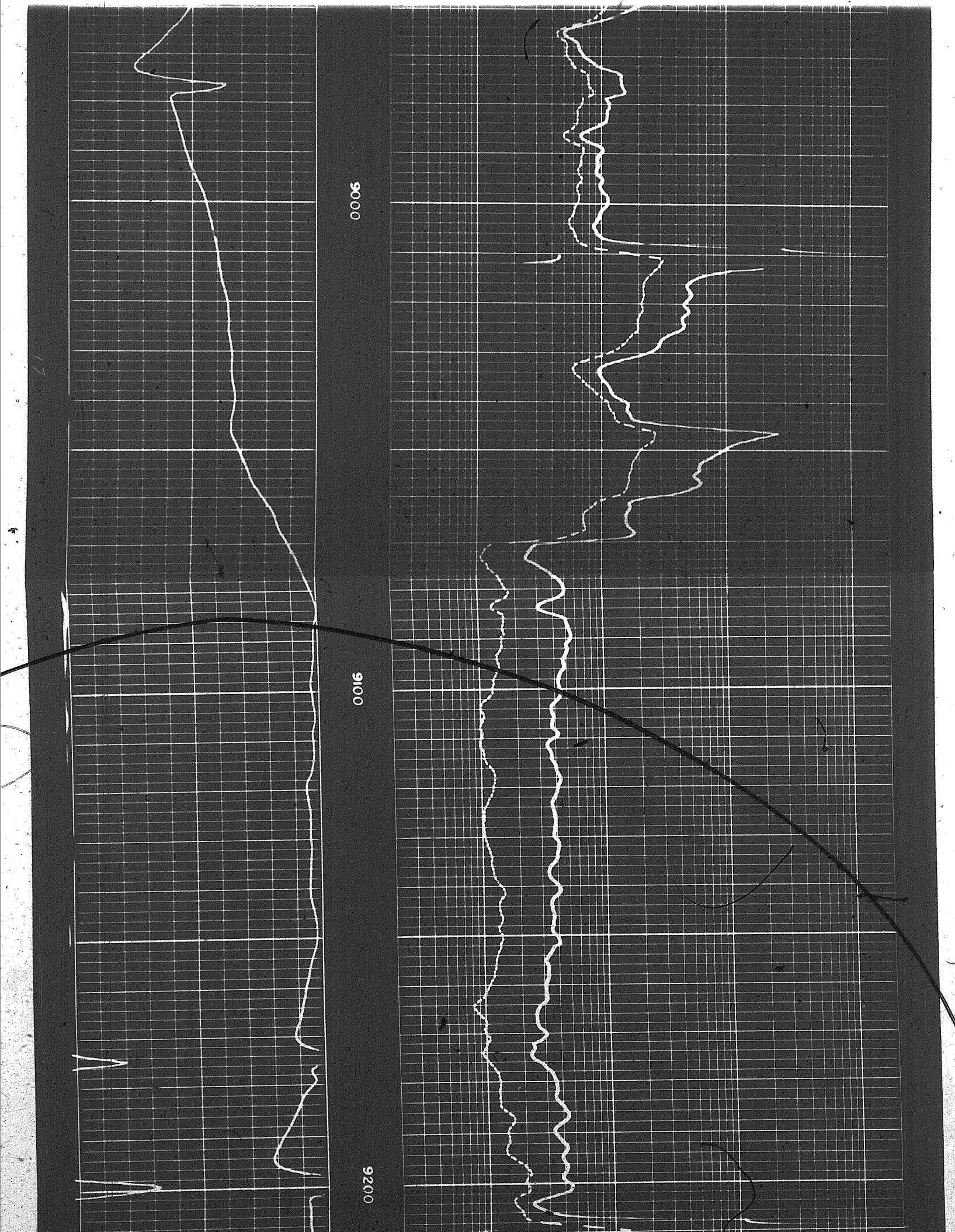


0006

0068



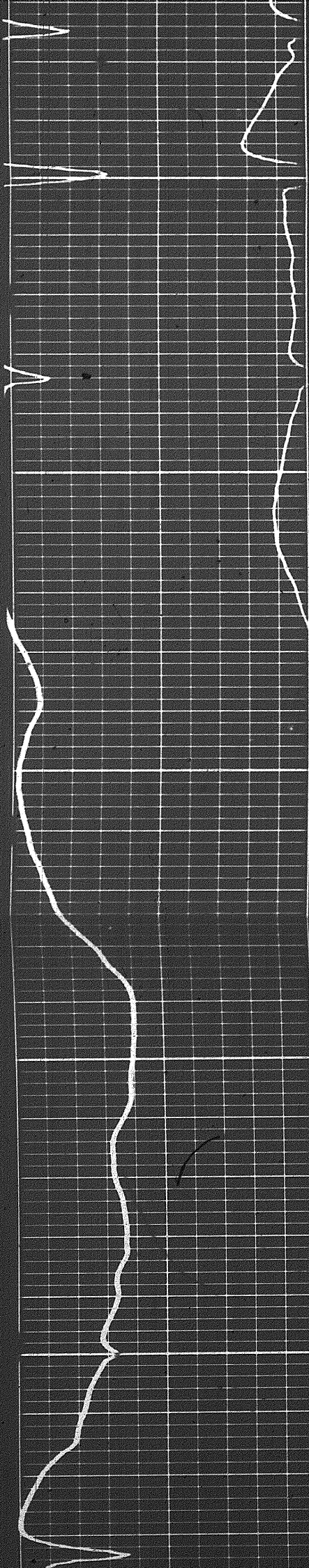




9000

9100

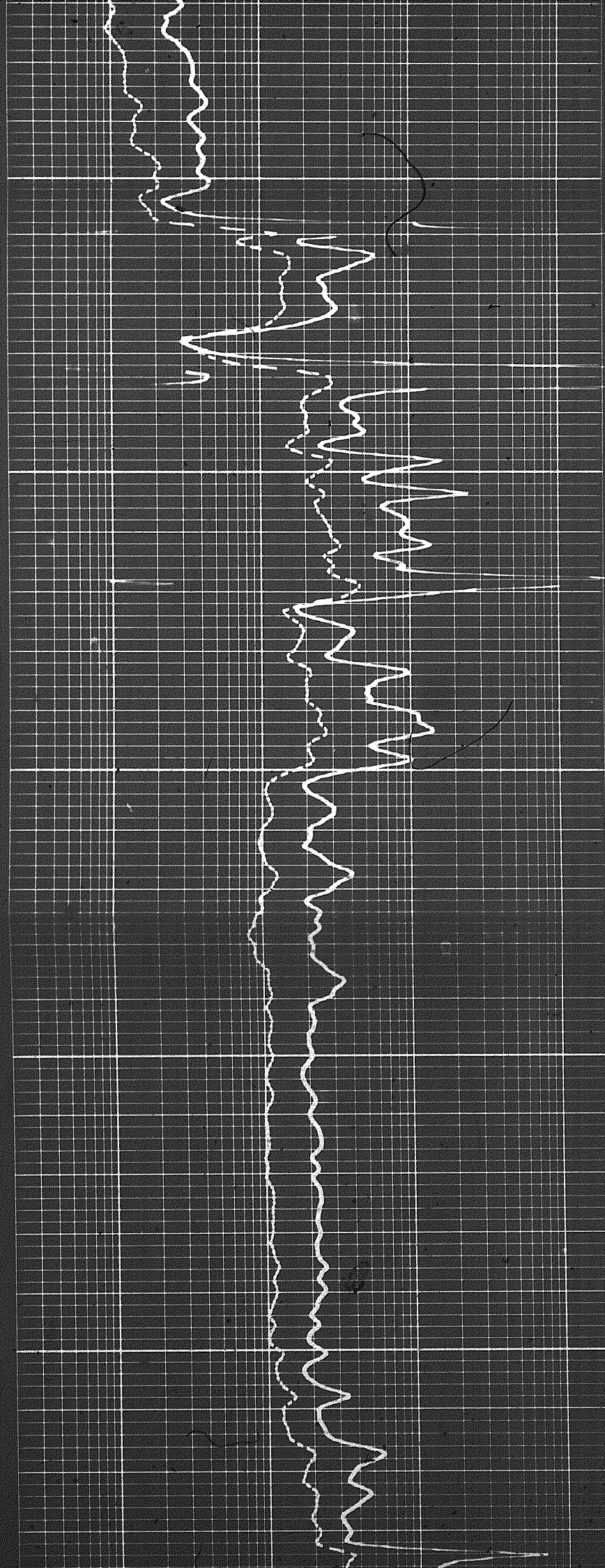
9200



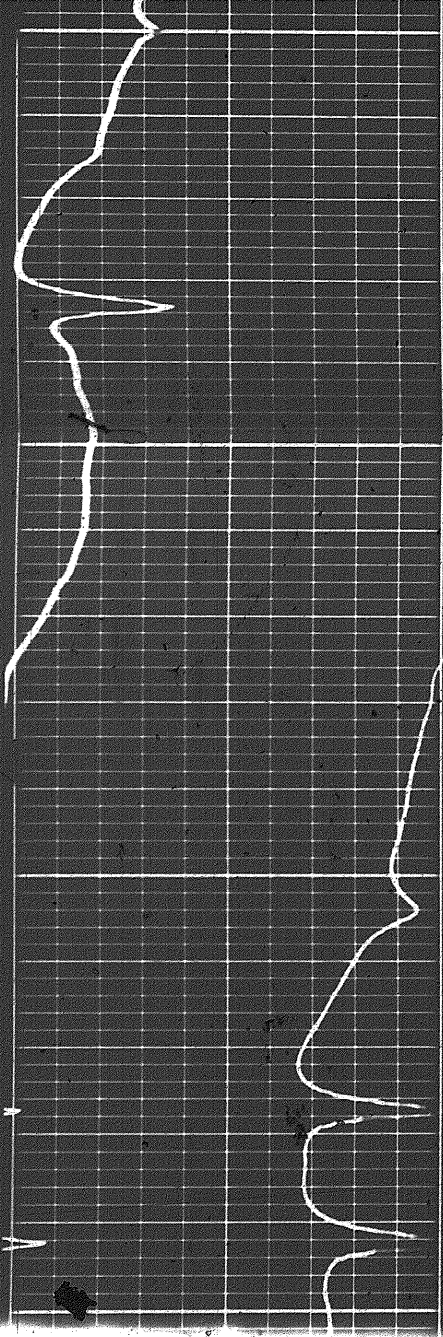
9200

9300

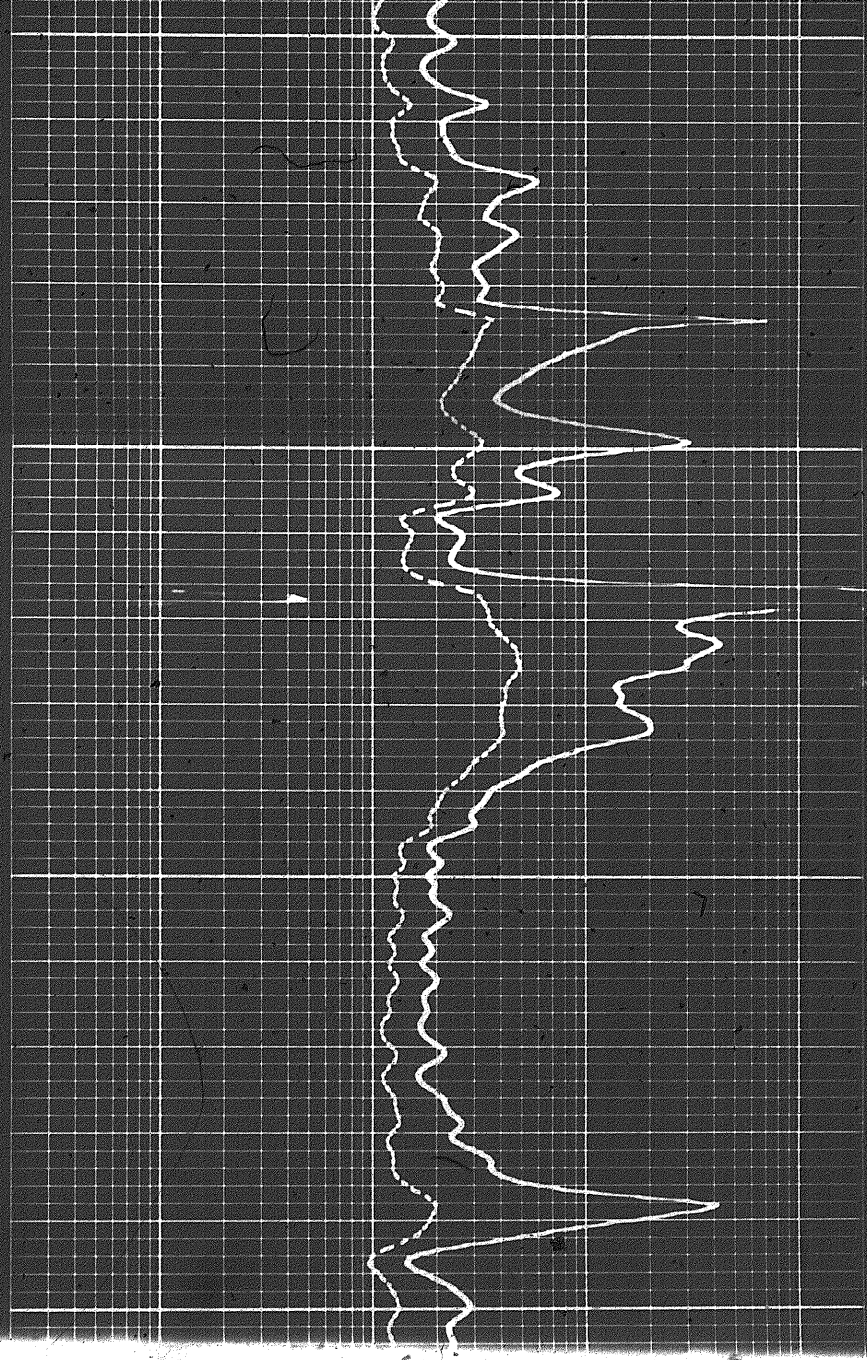
9400



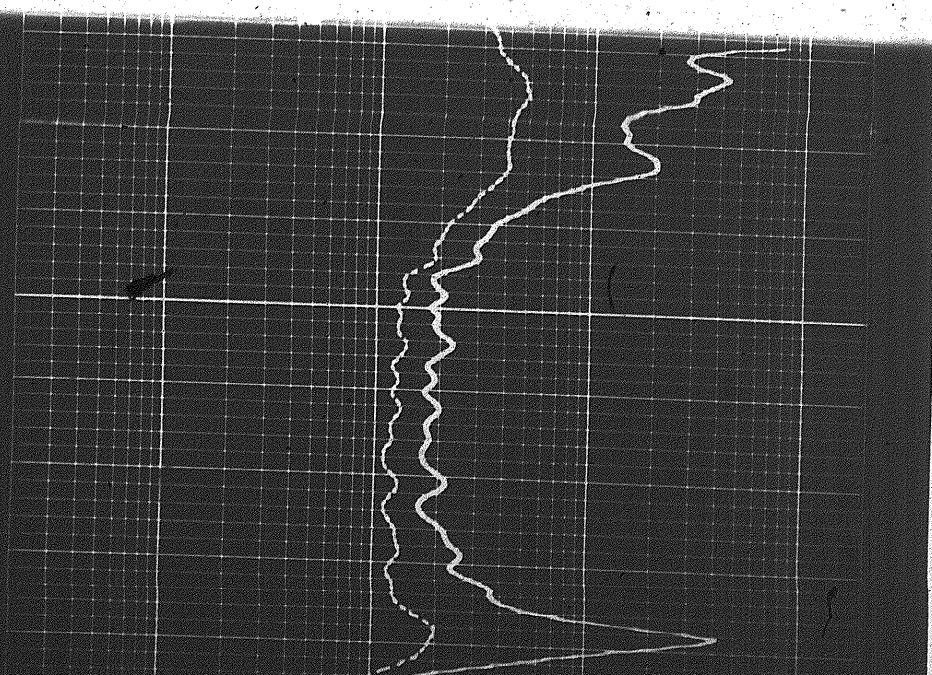
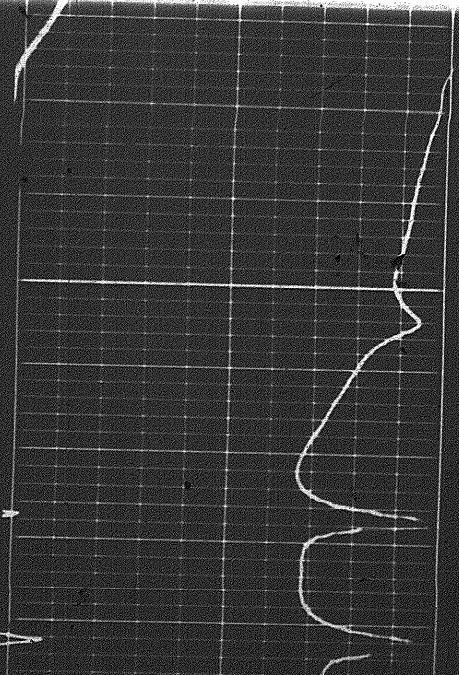
9400

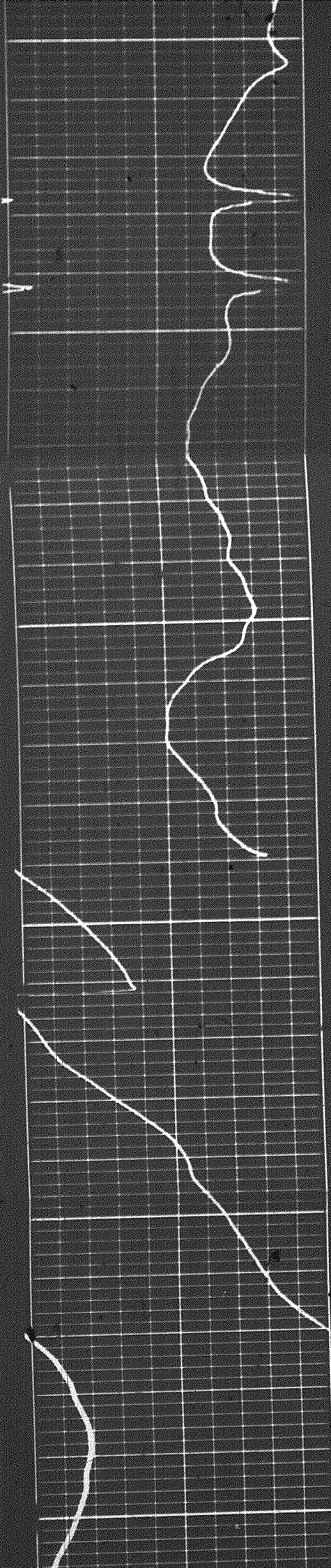


9500



9500

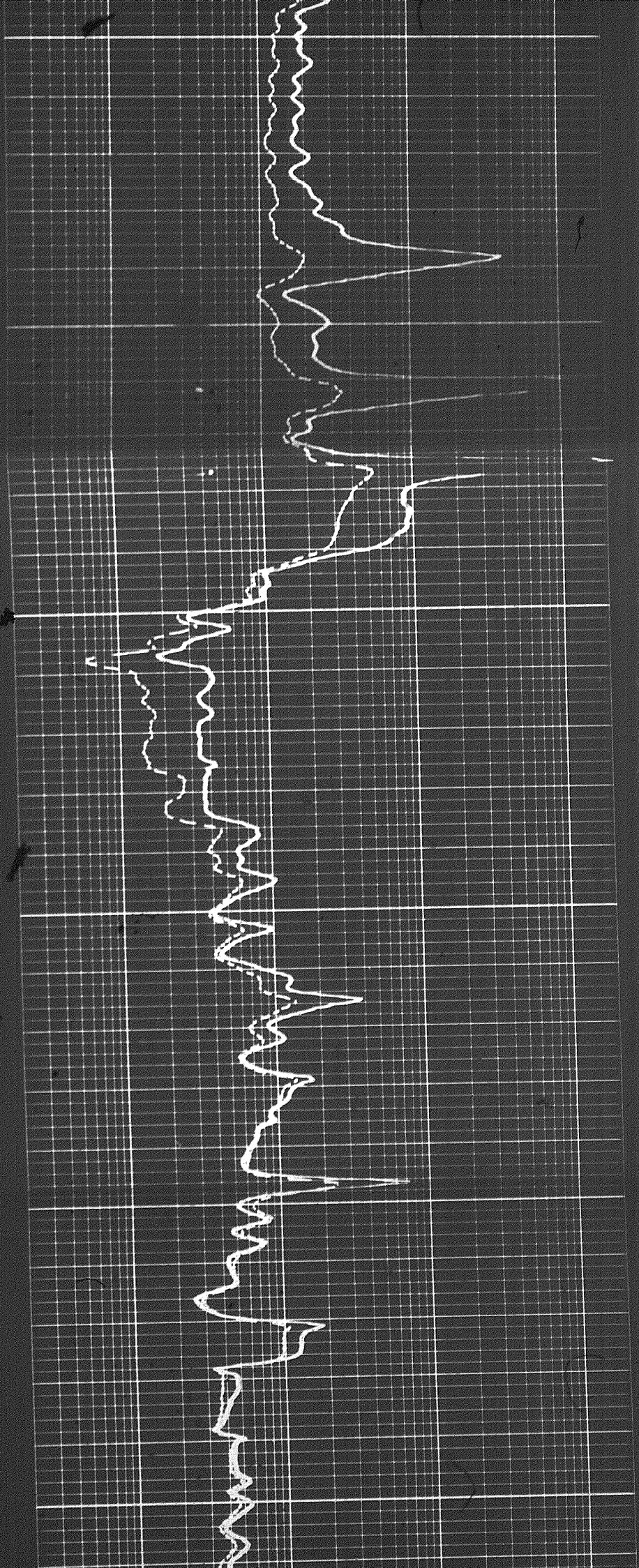


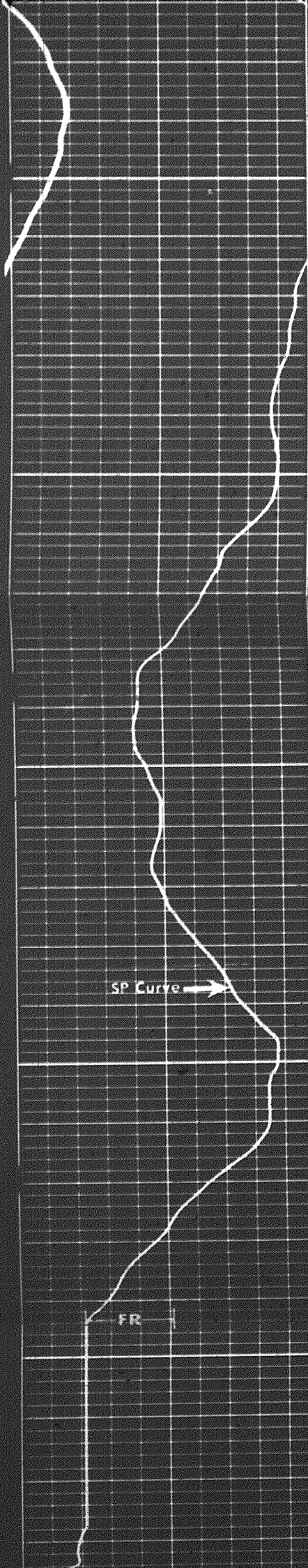


9500

0096

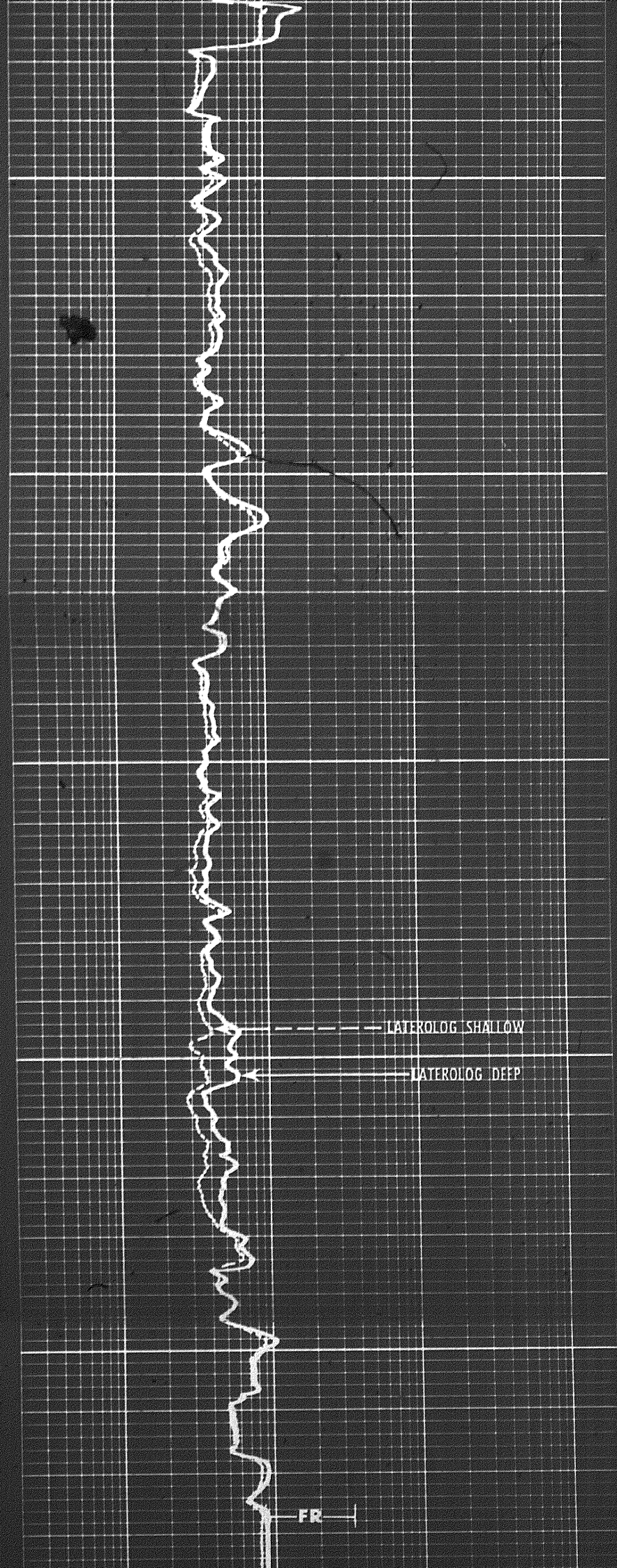
9700

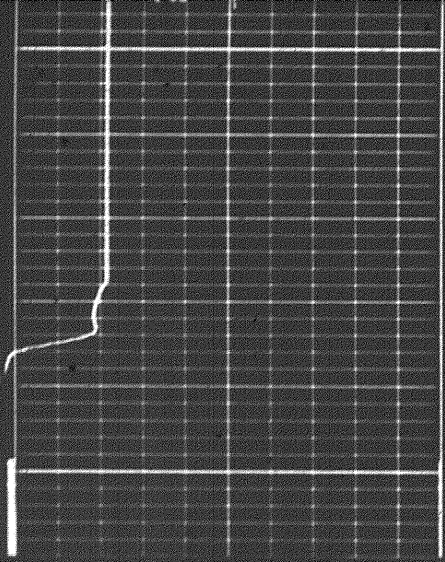




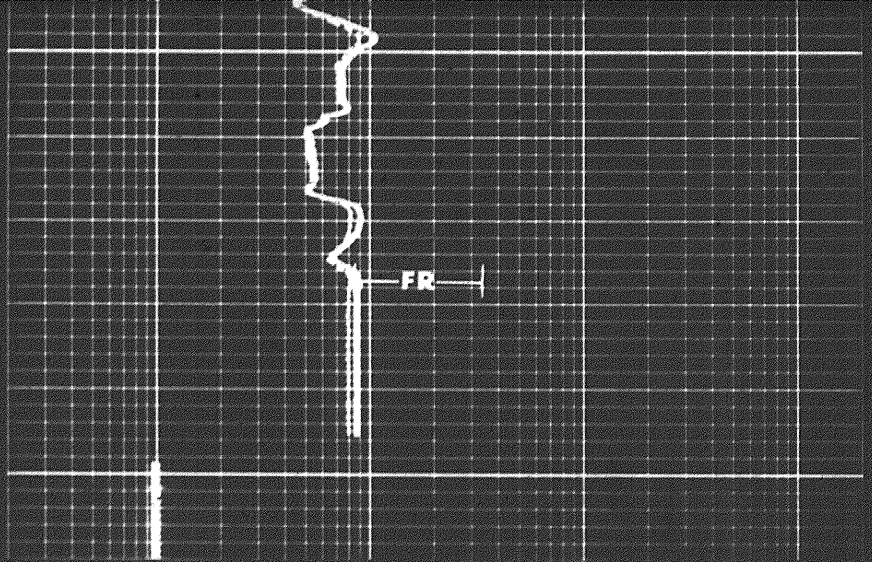
0086

0066





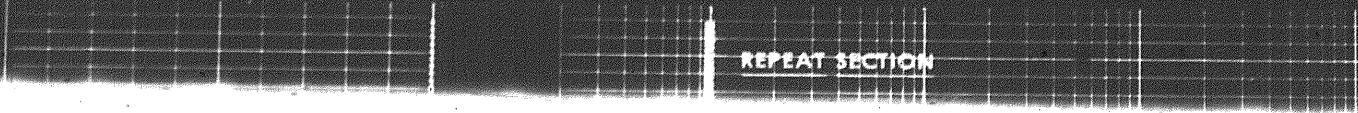
00001



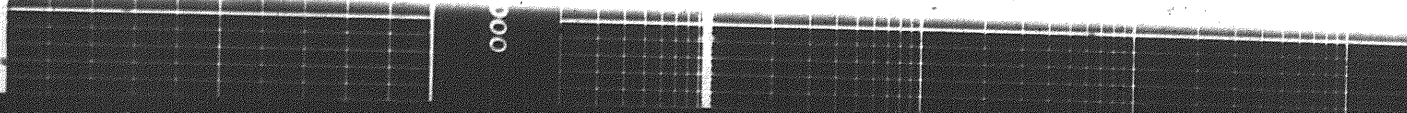
FR

REPEAT SECTION

X1165



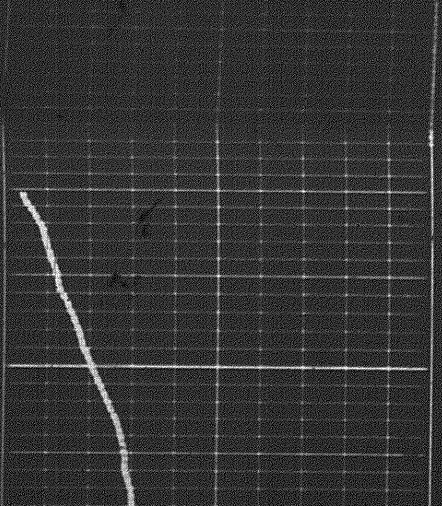
REPEAT SECTION



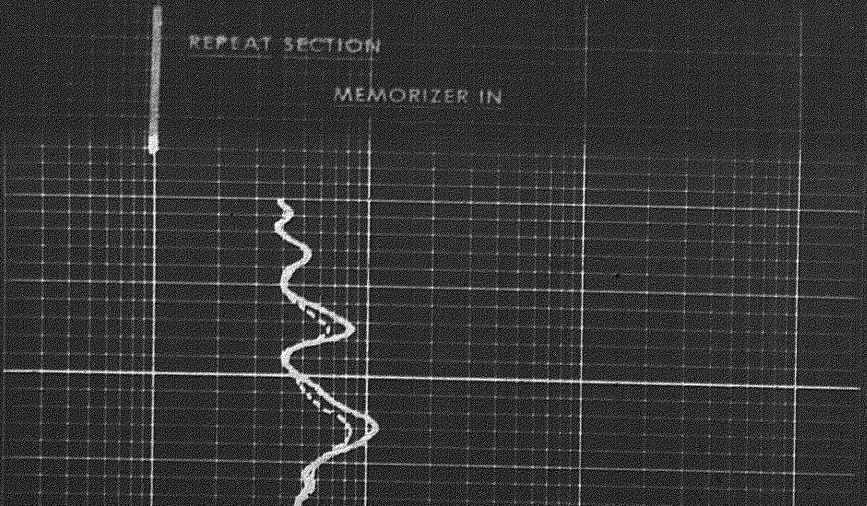
000

REPEAT SECTION

X1165



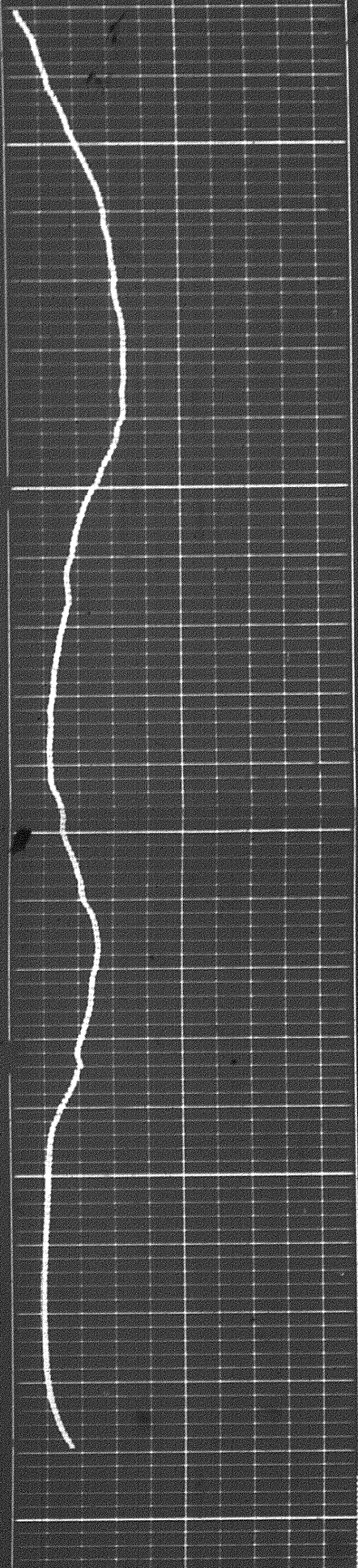
0086



REPEAT SECTION

MEMORIZER IN

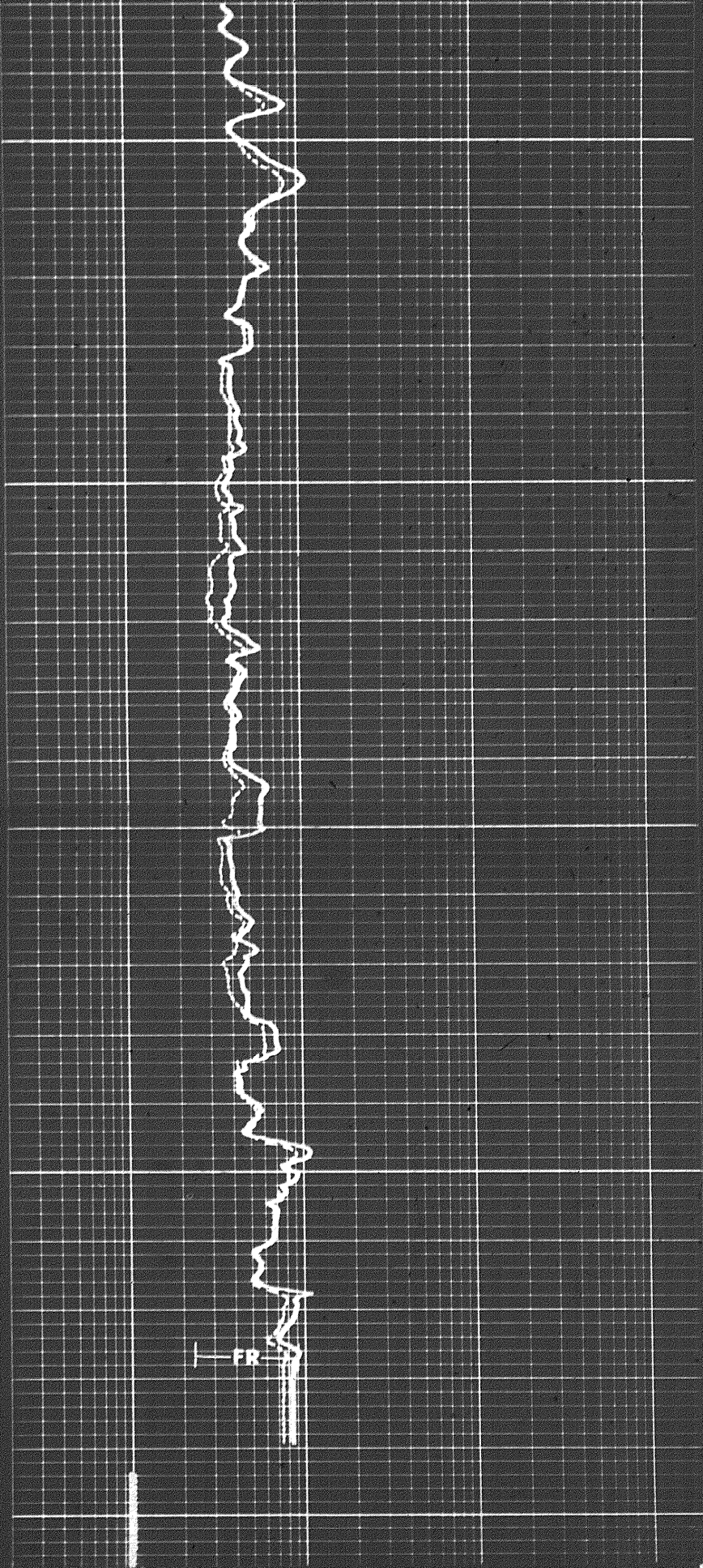
Speed in FPM



0085

0066

00001



FR

Speed in FPM



### SHALLOW LATEROLOG

0.2 1.0 10 100 1000 2000

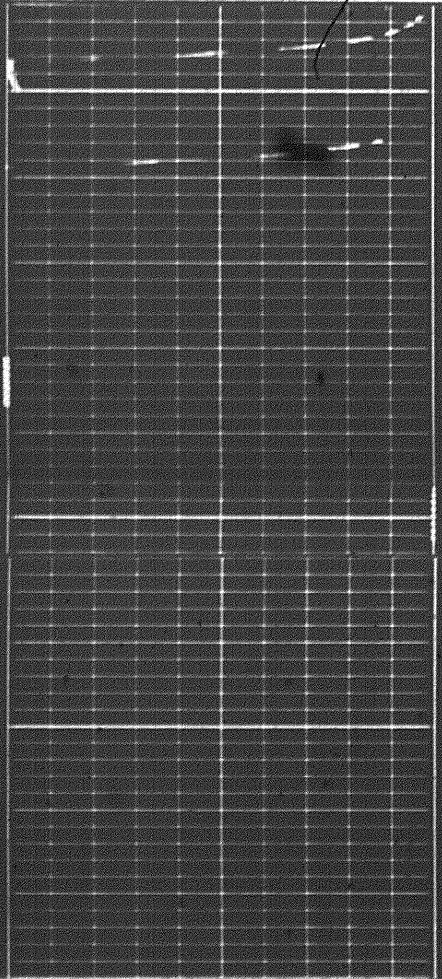
### DEEP LATEROLOG

0.2 1.0 10 100 1000 2000

SPONTANEOUS-POTENTIAL  
MILLIVOLTS

DEPTHS

RESISTIVITY  
OHMS M<sup>2</sup>/M



5  
4  
3  
2  
1  
5  
4  
3  
1

Calibration before Survey

Calibration after Survey

### SEQUENTIAL DUAL LATEROLOG CALIBRATION CODING

- 1. MECHANICAL ZERO
- 2. CABLE BALANCE ADJUST - LLd ONLY
- 3. FUNCTION FORMER 1000 ohm-m
- 4. FUNCTION FORMER 1 ohm-m
- 5. MEMORIZER ADJUST - LLd ONLY (DOES NOT APPLY IF GR IS NOT RUN)
- 6. CALIBRATE LLd - 17 ohm-m  
LLs - 29 ohm-m

COMPANY COLUMBIA GAS DEVELOPMENT OF CANADA LTD.

WELL COLUMBIA #1-AL-KOTANEELI Y.T. E-37

SCHL. FR 9977

SCHL. TD 9991

DRLR. TD 9989

Elev.: