



WIRELINE SERVICES

FILE NO. 1984-E

COMPANY CHEVRON STANDARD LTD.

WELL CHEVRON SODC WM WHITEFISH Y1 J-70

FIELD WILDCAT

PROVINCE YUKON TERRITORY

LOCATION:

67° 09' 32" N  
137° 26' 44" W

Other Services

DIFL  
MLC  
CORELOG

Permanent Datum GROUND LEVEL Elev. 1070'

Log Measured from KELLY BUSHING 15.0 Ft. Above Permanent Datum

Drilling Measured from KELLY BUSHING

Elevations:

K8  
DF  
GL

Date	APRIL 5/73			
Run No.	ONE			
Depth—Driller	6980'			
Depth—Logger	6980'			
Bottom Logged Interval	6974'			
Top Logged Interval	10'			
Coring—Driller	13 3/8" @ 908'			
Coring—Logger	908'			
Bit Size	8 3/4"			
Type Fluid in Hole	MUD			
	GEL			
Density and Viscosity	10.1 208			
pH and Fluid loss	9.4 7.2 cc			
Source of Sample	CIRC.			
Rm @ Meas. Temp.	4.7 @ 63 °F	4.9 @ 63 °F	5.0 @ 64 °F	@ °F
Rmf @ Meas. Temp.	4.1 @ 64 °F	@ °F	@ °F	@ °F
Rmc @ Meas. Temp.	6.0 @ 63 °F	@ °F	@ °F	@ °F
Source of Rmf and Rmc	MEAS. MEAS.			
Rm @ BHT	2.4 @ 121 °F	@ °F	@ °F	@ °F
Time Since Circ.	5 HOURS			
Max. Rec. Temp. Deg. F	121	°F	°F	°F
Equip. No. and Location	6076 EDMONTON			
Recorded By	MACLEAN			
Witnessed By	HOENCH			

FOLD HERE ↓ THIS HEADING AND LOG CONFORMS TO API RECOMMENDED STANDARD PRACTICE RP 31

REMARKS

Gamma Ray		Equipment Data		Scale Changes			
Run No.	Tool Model No.	Diam.	Detect. Model No.	Type Log	Depth	Scale Up Hole	Scale Down Hole
ONE	1306	3 5/8"	D664				

Gamma Ray							Equipment Data			
From	To	Speed Ft./Min.	T.C. Sec.	Sens. Settings	Zero Div. L or R	API G.R. Units Per Log Div.	Run No.	Tool Type	Pad Type	Tool Position
6962'	908'	30	2	505	0	15	ONE	1601		CENTERED

GAMMA RAY API UNITS	DEPTH	ACOUSTILOG T <sub>1</sub> R <sub>1</sub> R <sub>2</sub> T <sub>2</sub>
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GAMMA RAY  
API UNITS

DEPTH

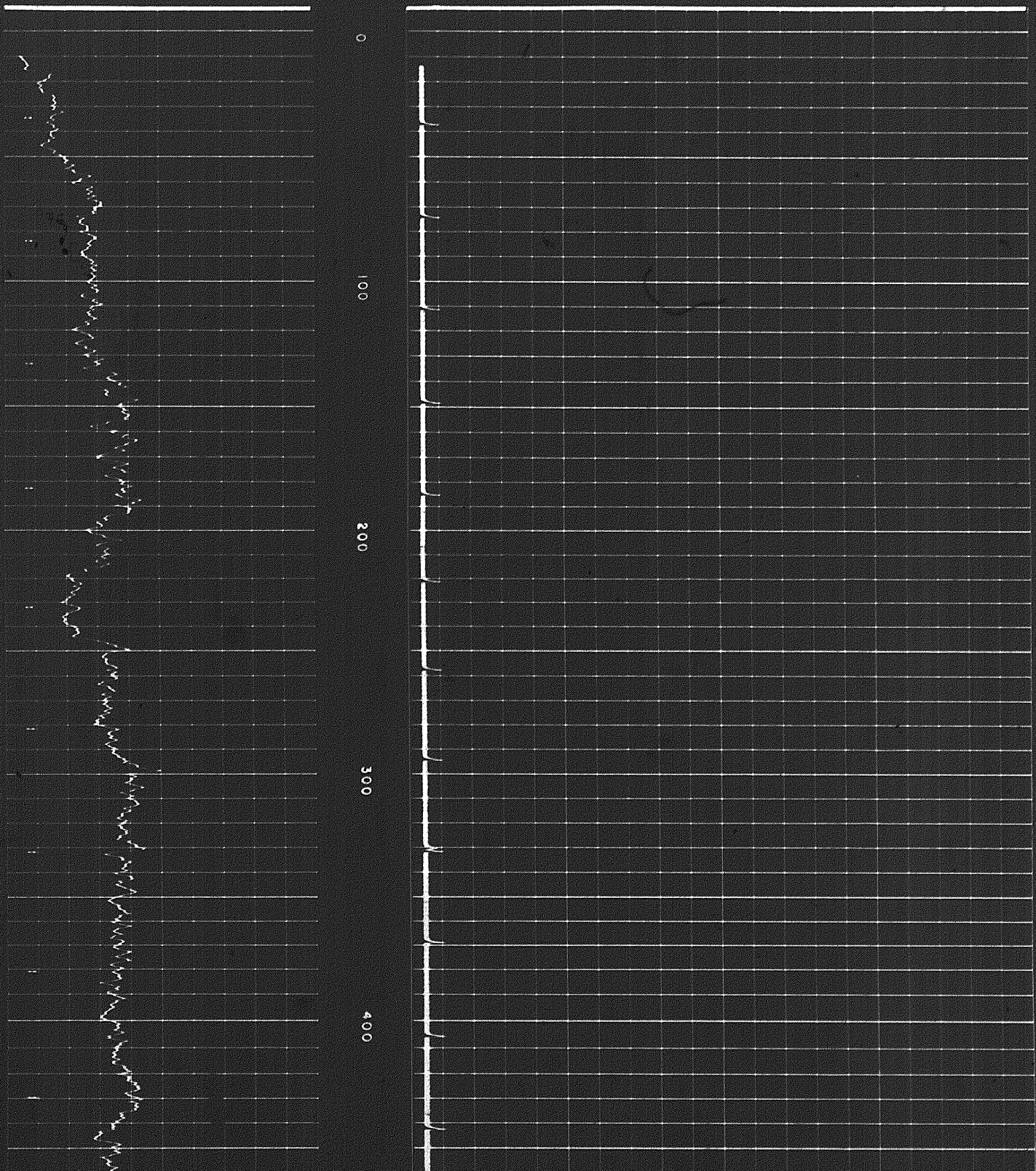
ACOUSTILOG  
T<sub>1</sub> 4 R<sub>1</sub> 1 R<sub>2</sub> 4 T<sub>2</sub>

0 75 150

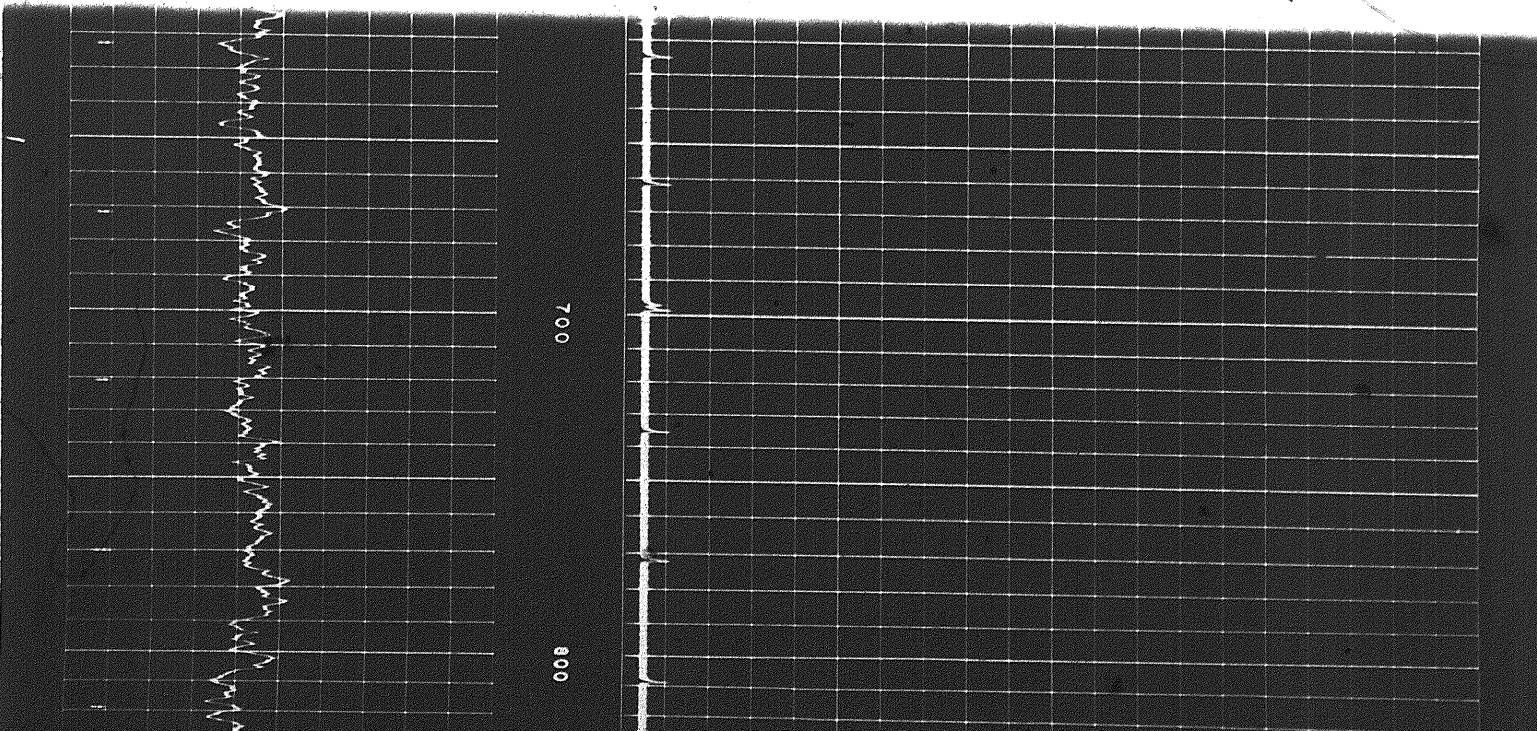
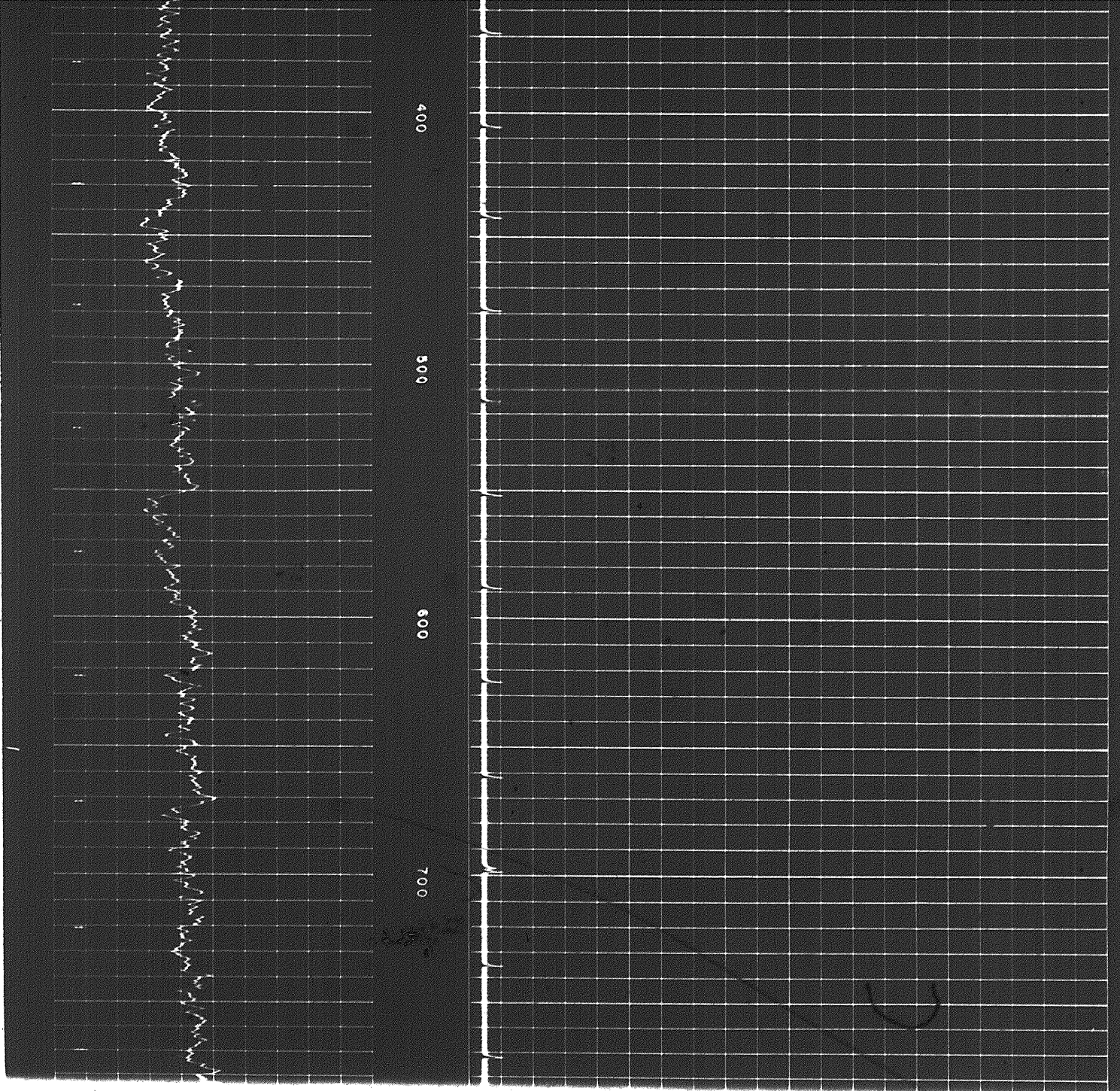
SPECIFIC ACOUSTIC TIME  
Micro Seconds Per Foot

140 115 90 65 40

121

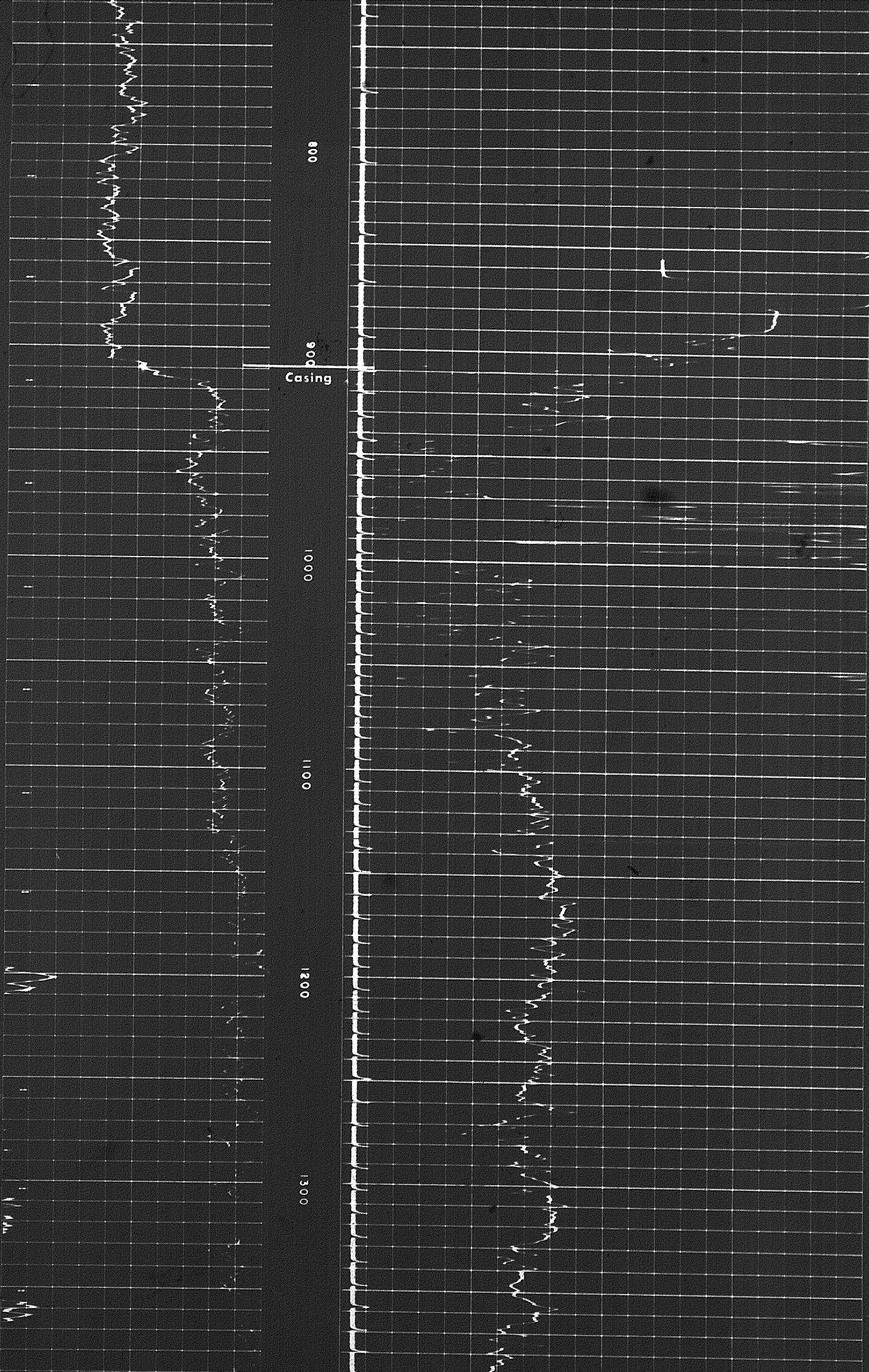






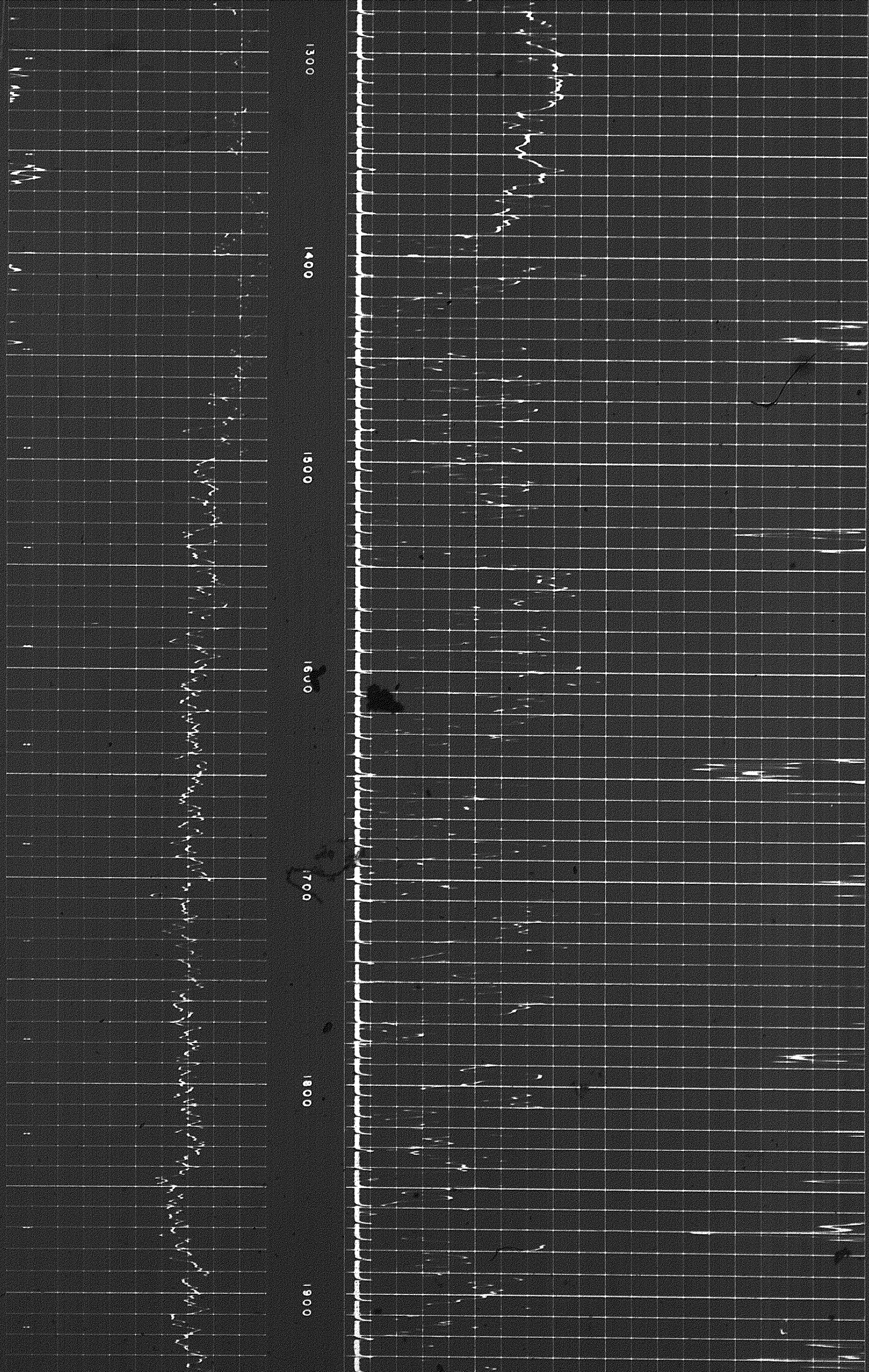


207





70





1650

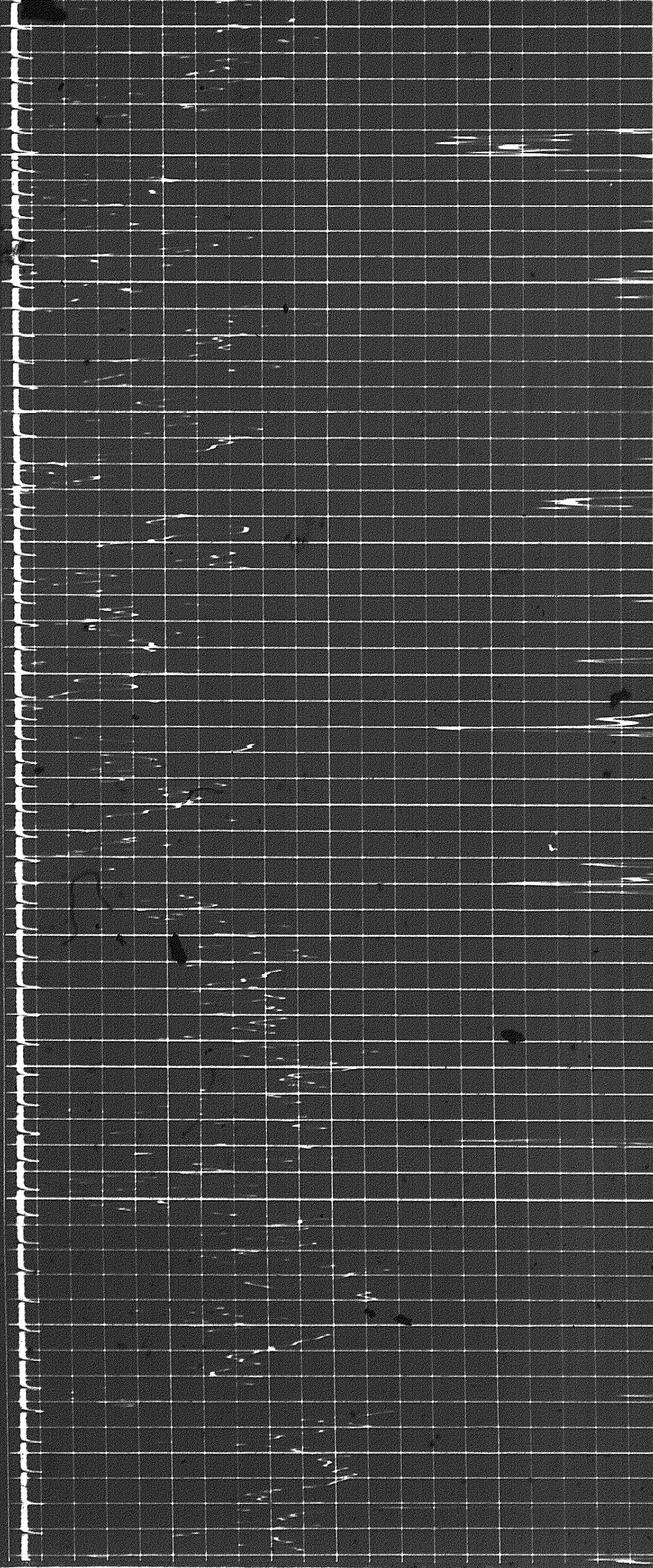
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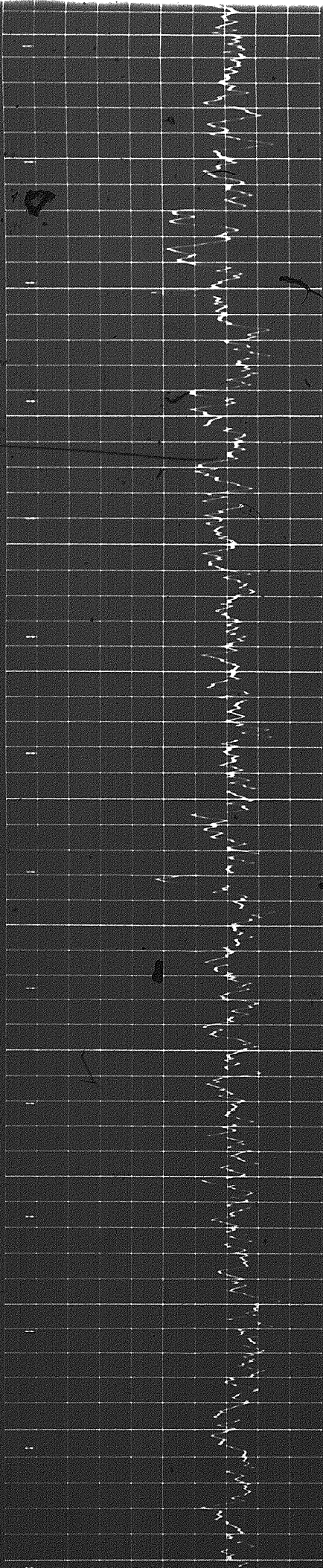
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2000

2100







2100

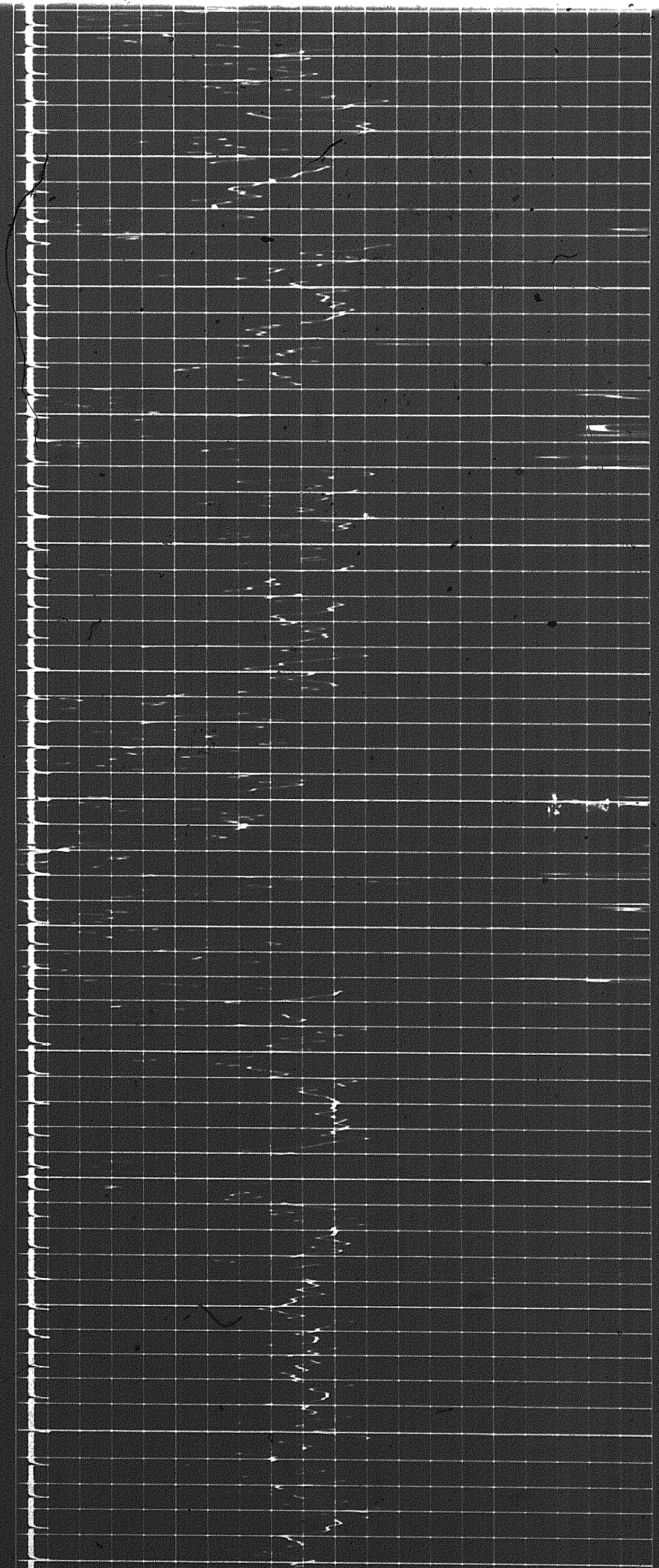
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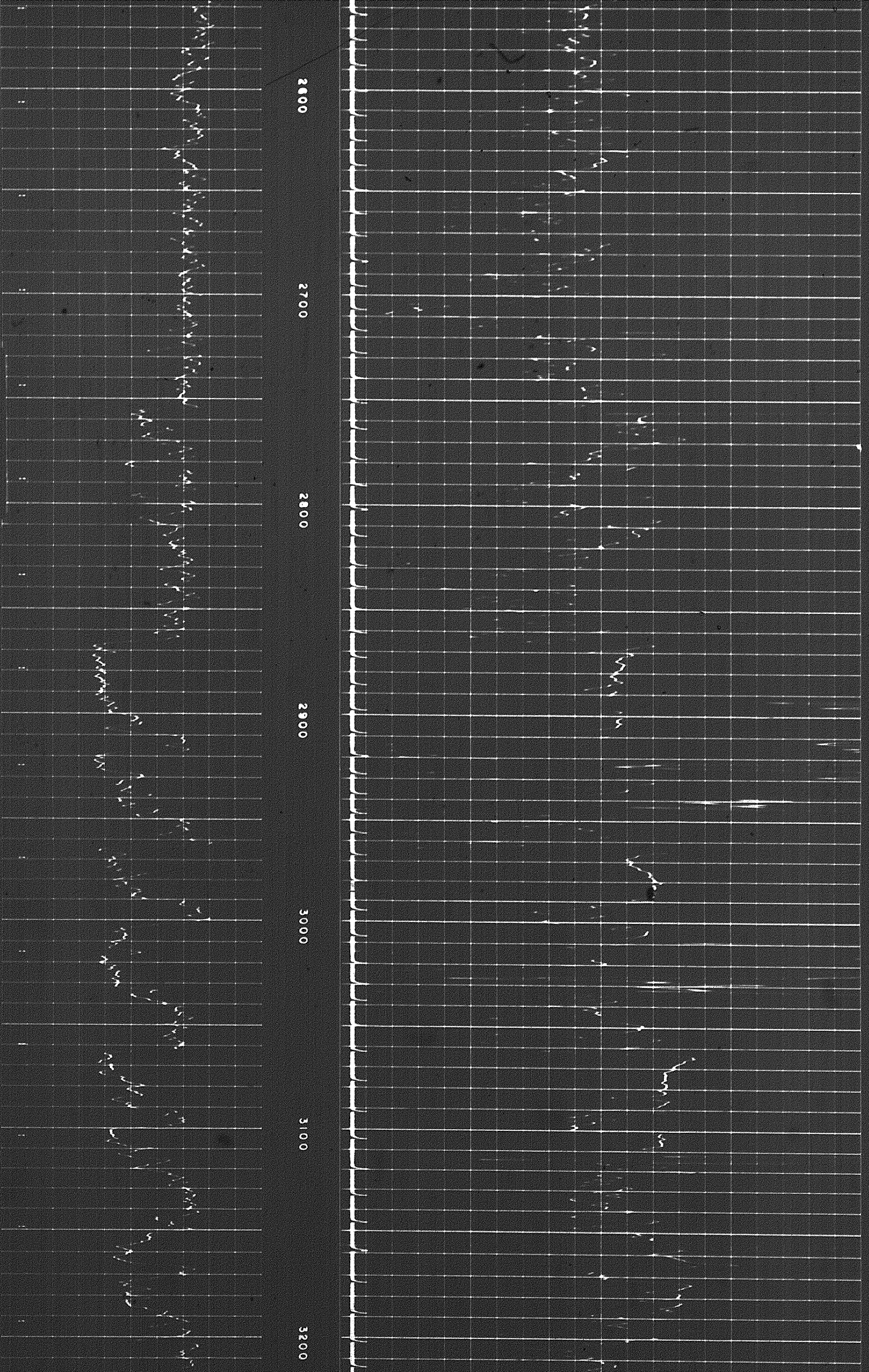
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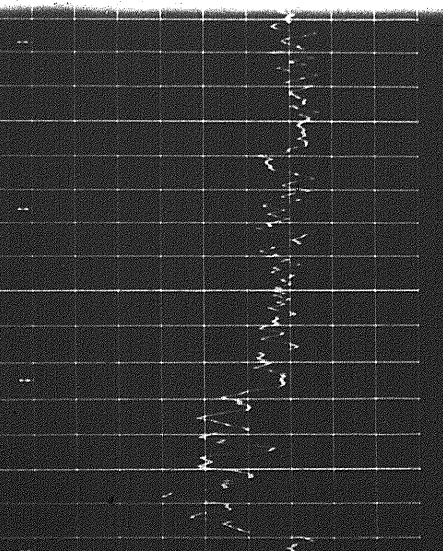
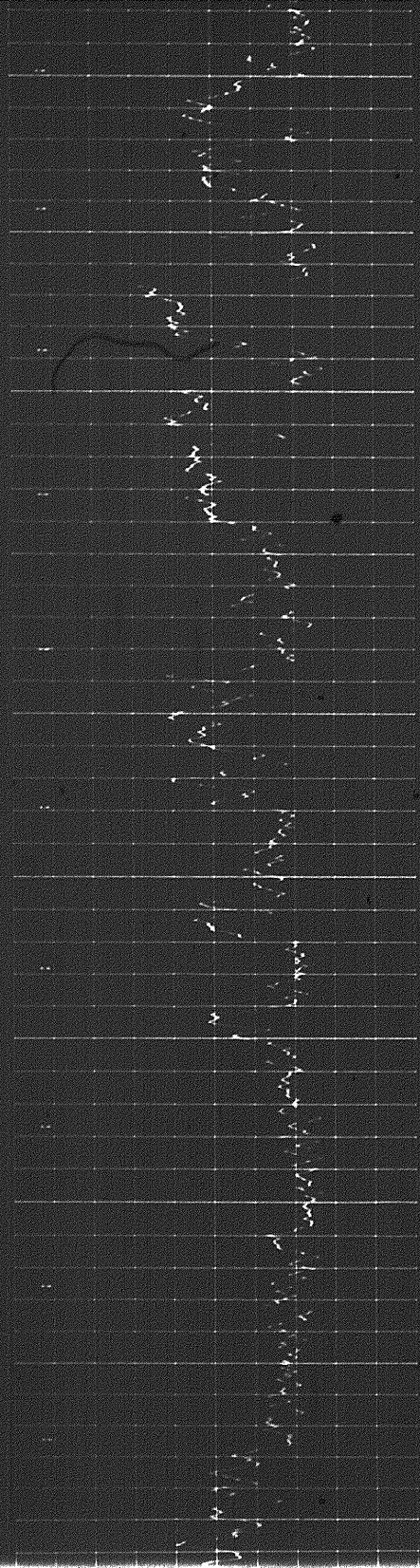
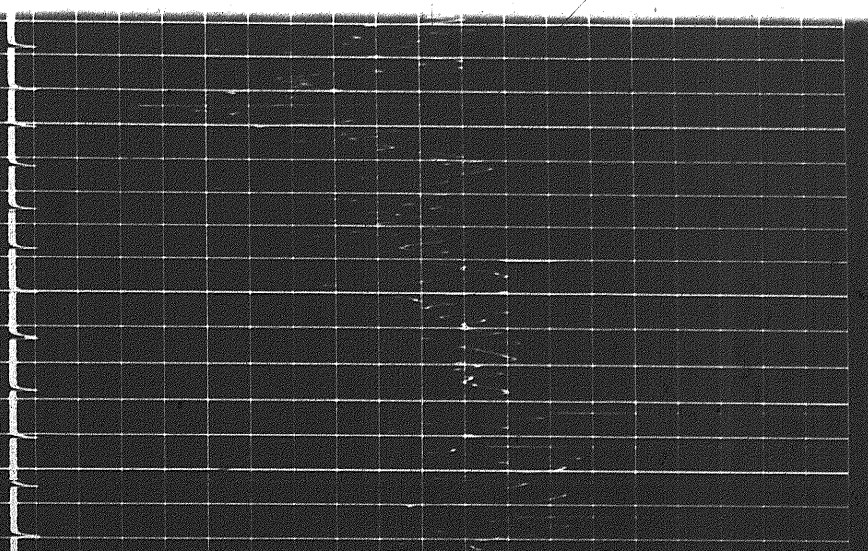
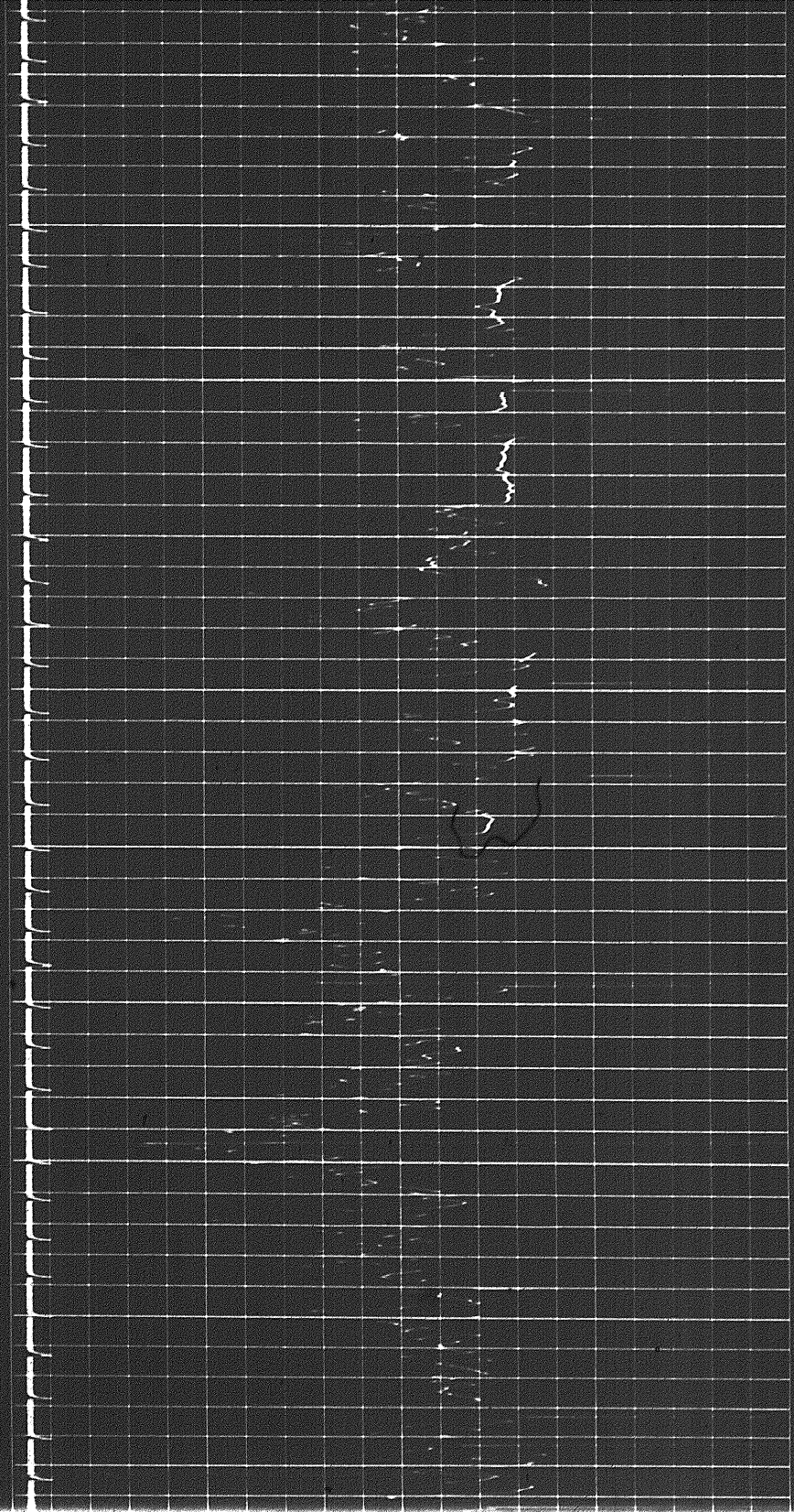


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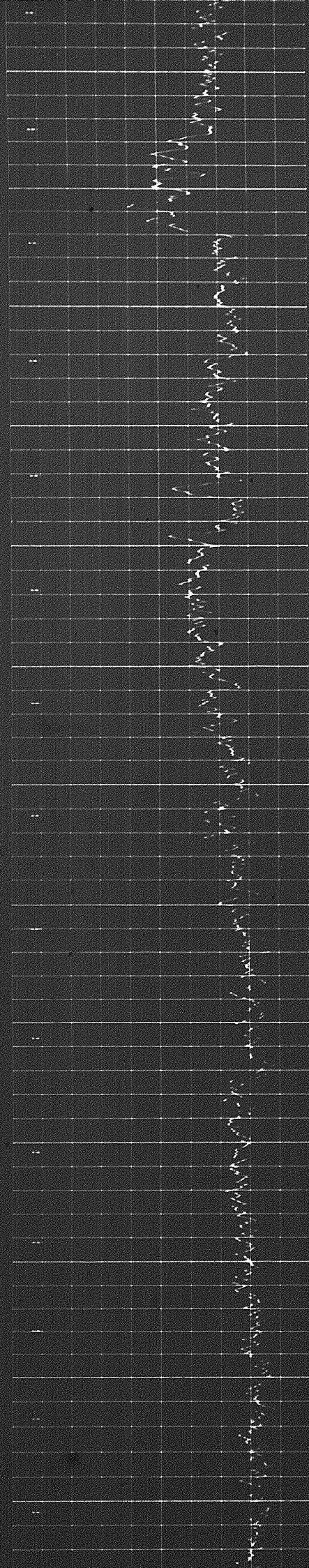


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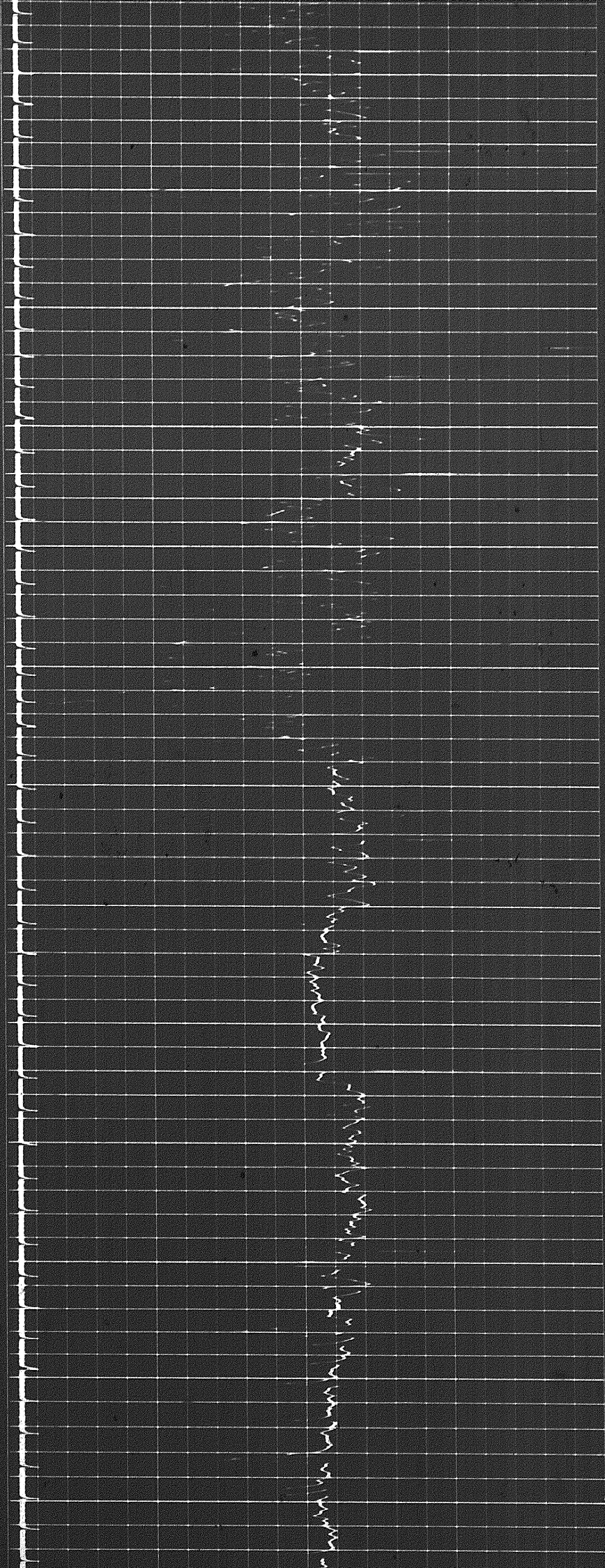
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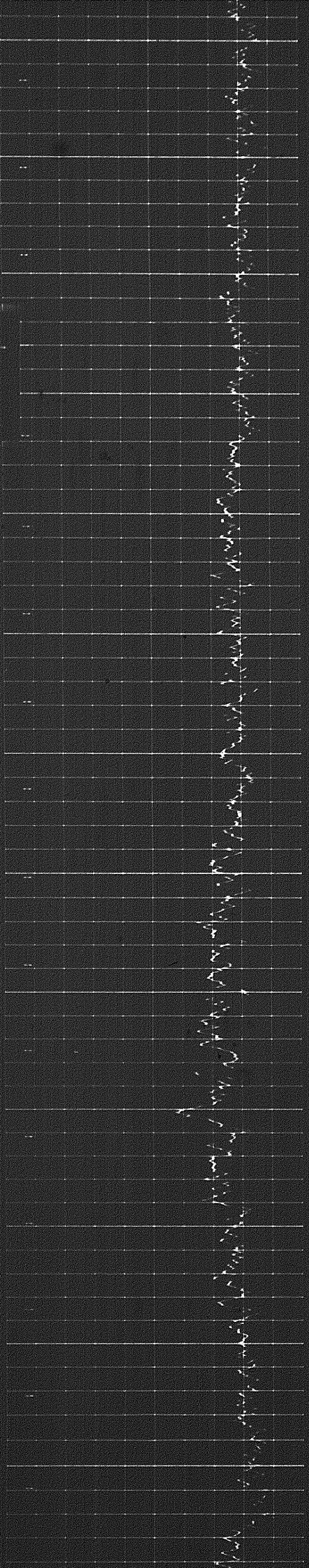
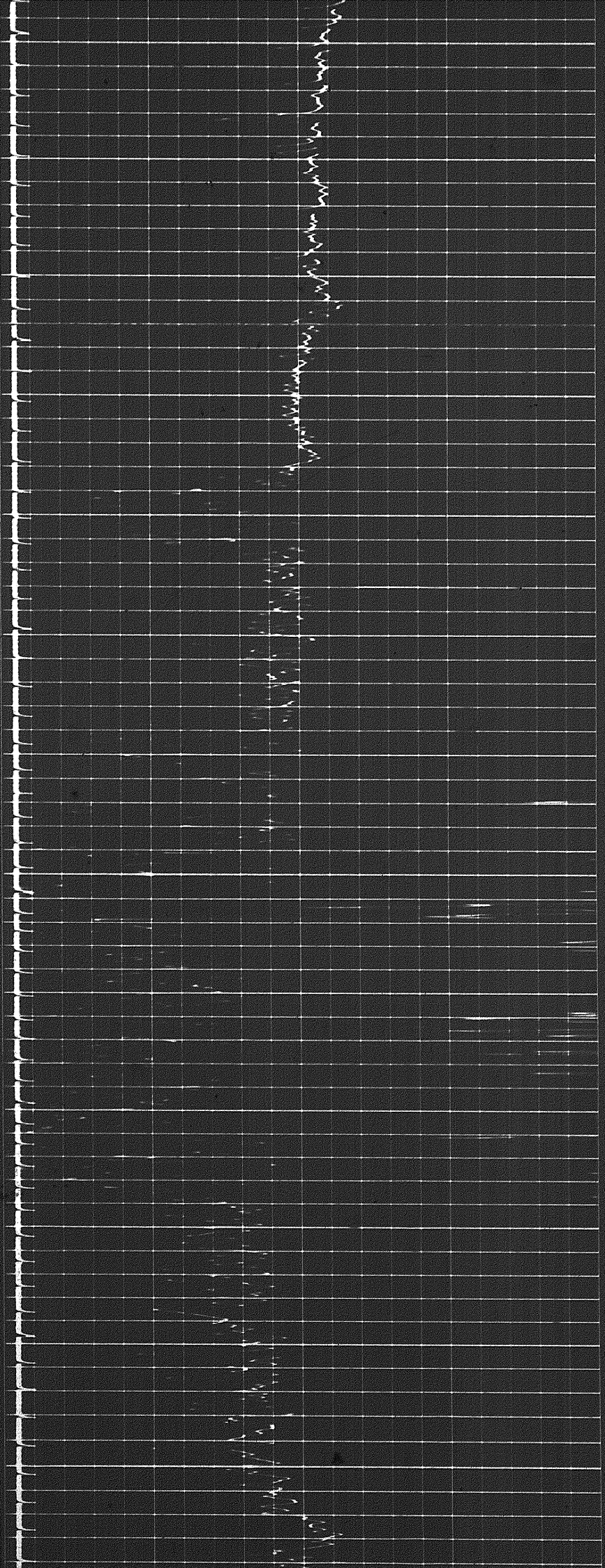
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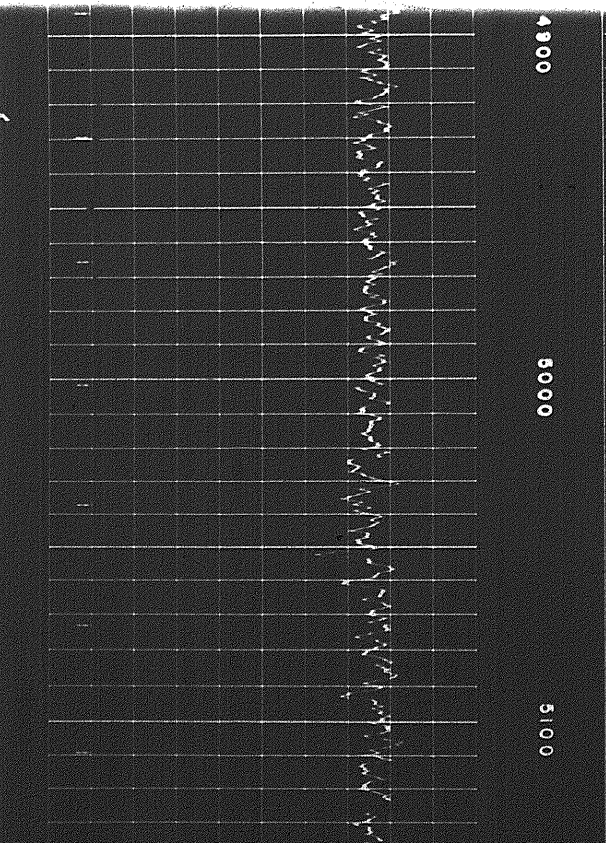
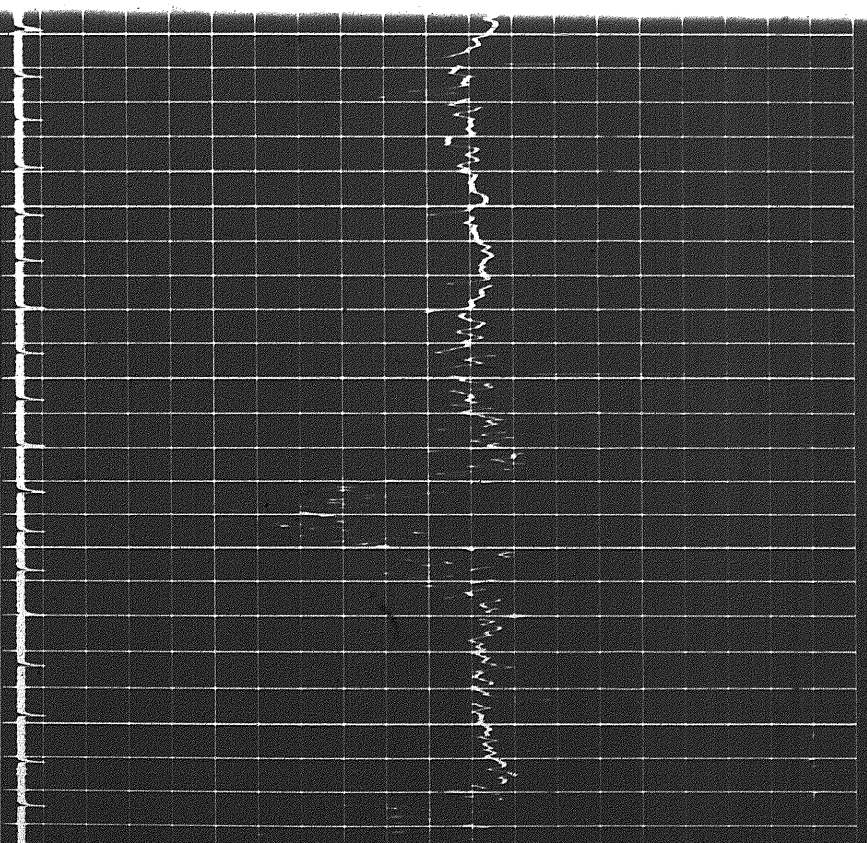
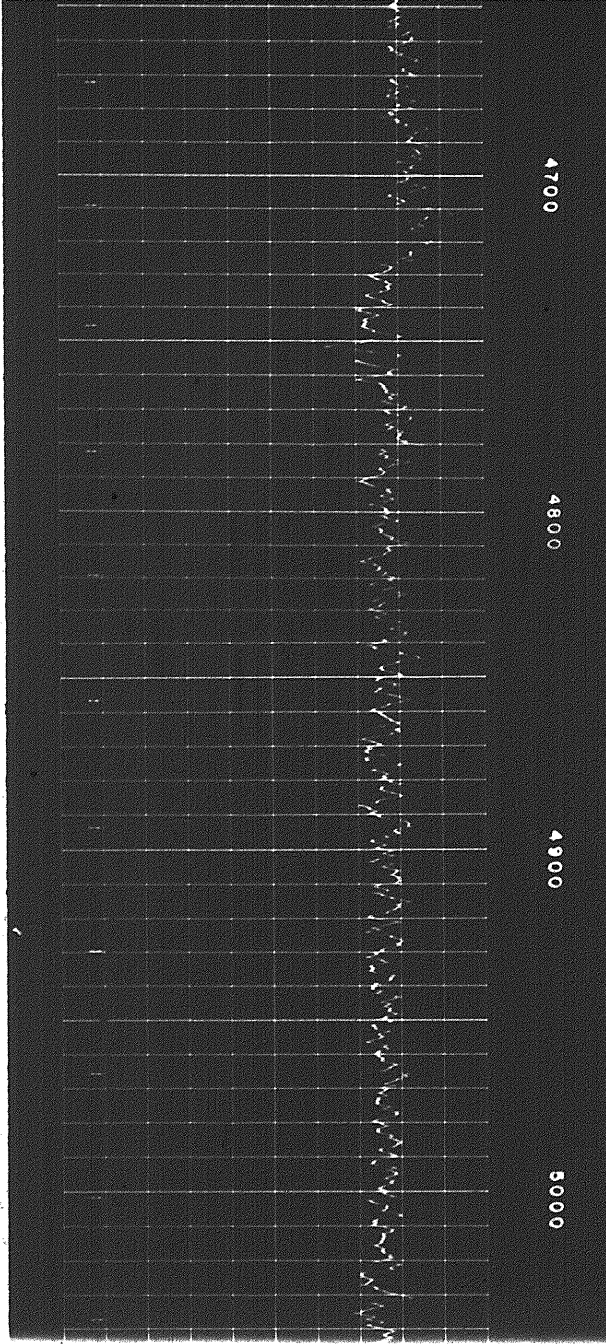
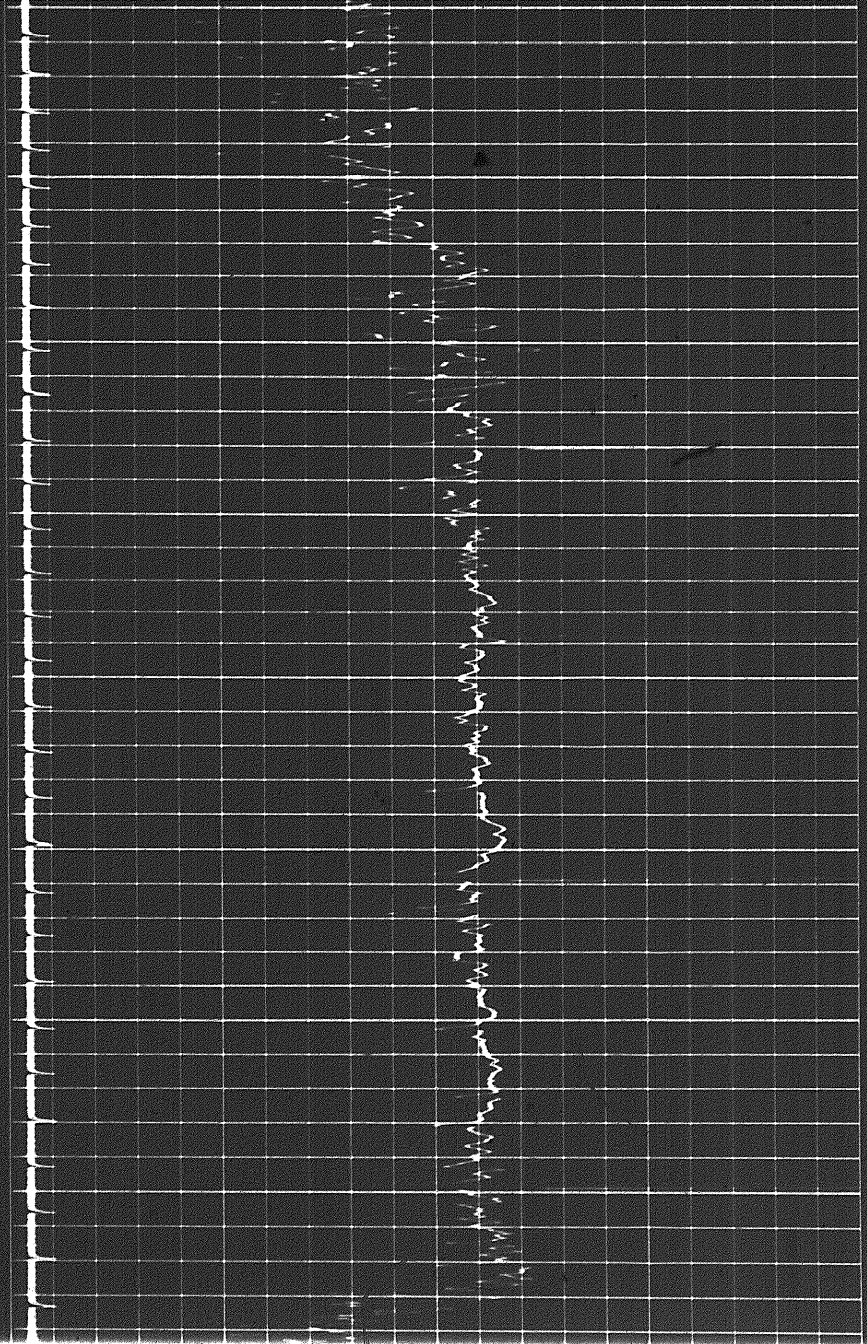


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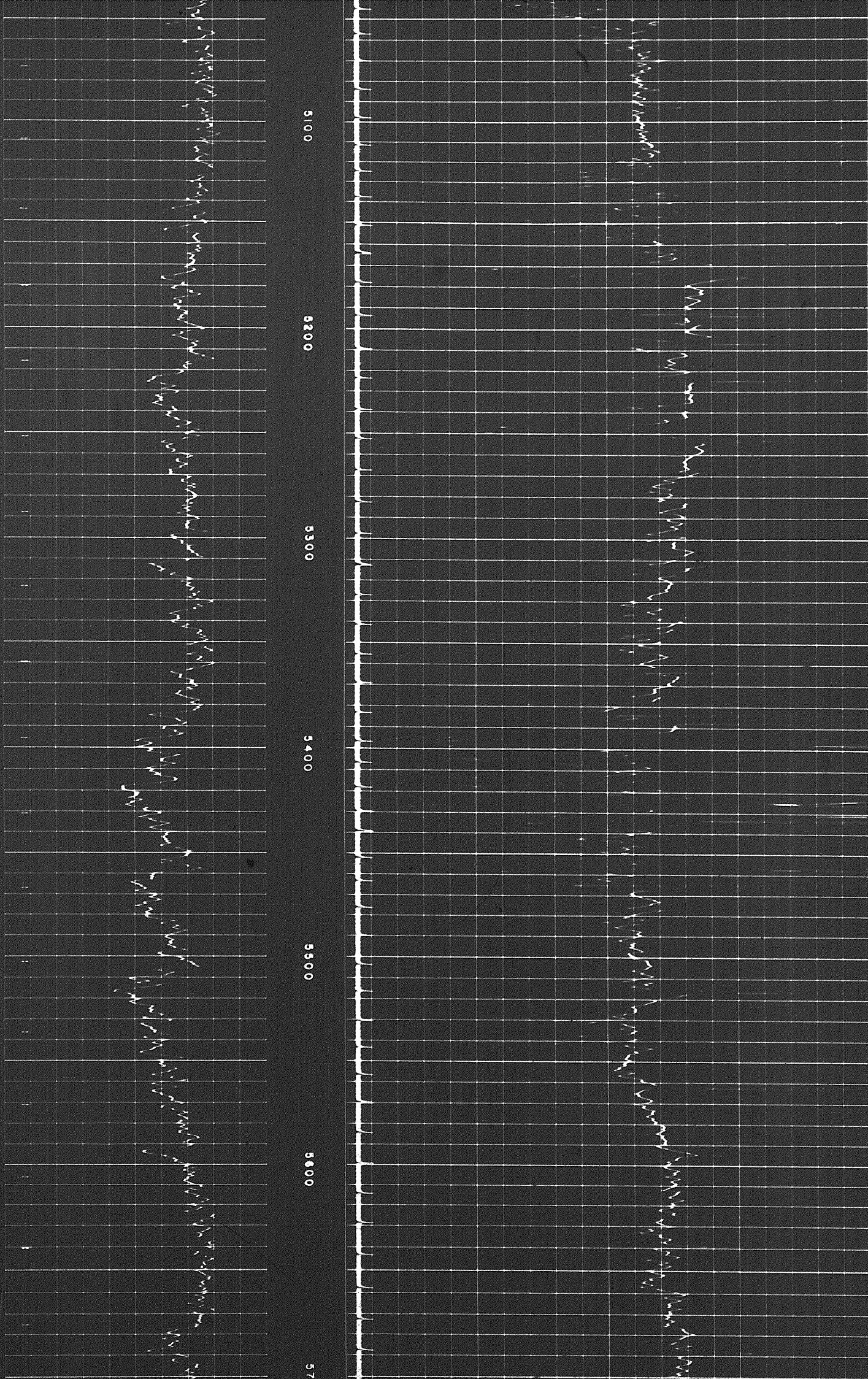
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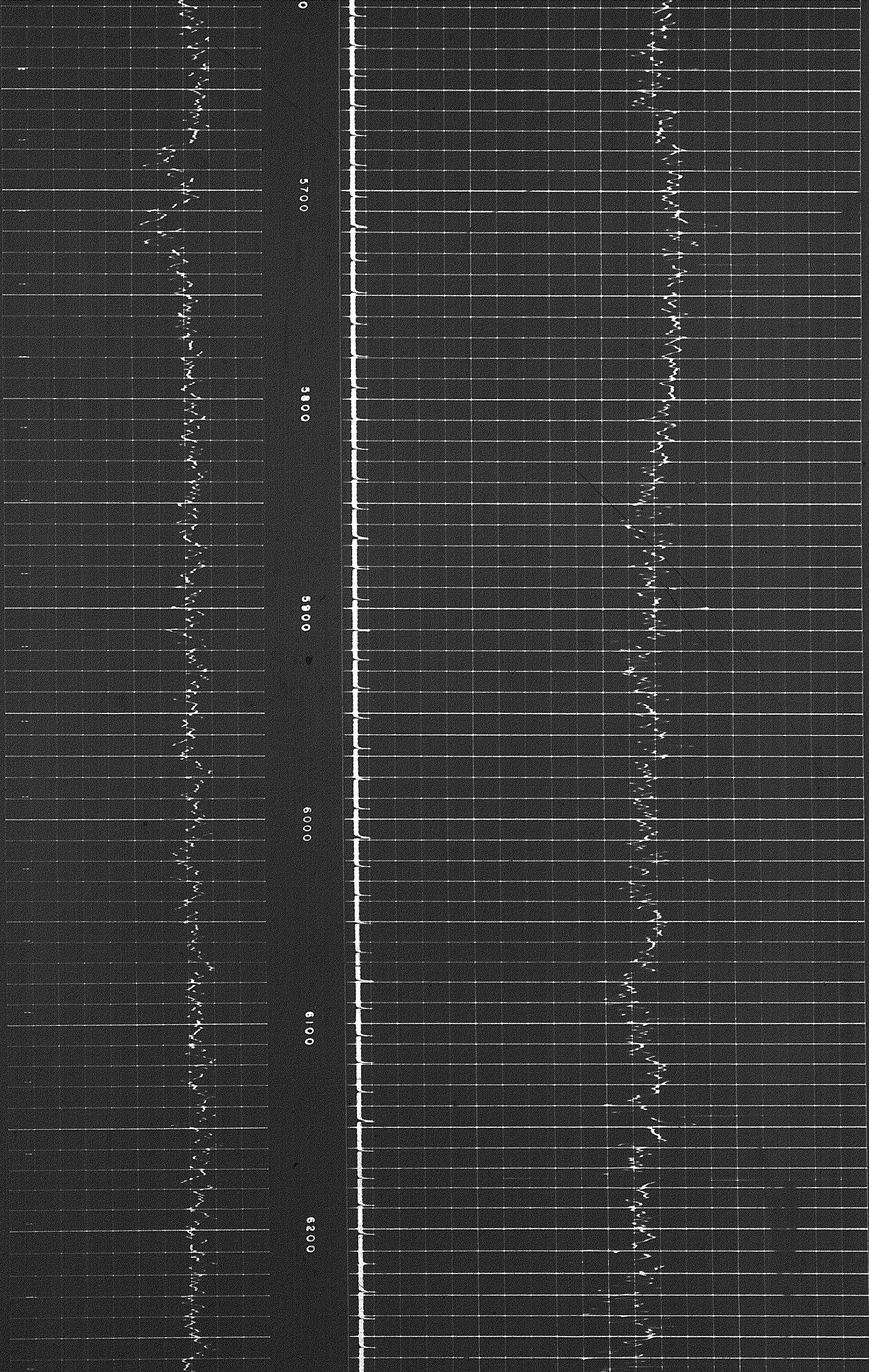




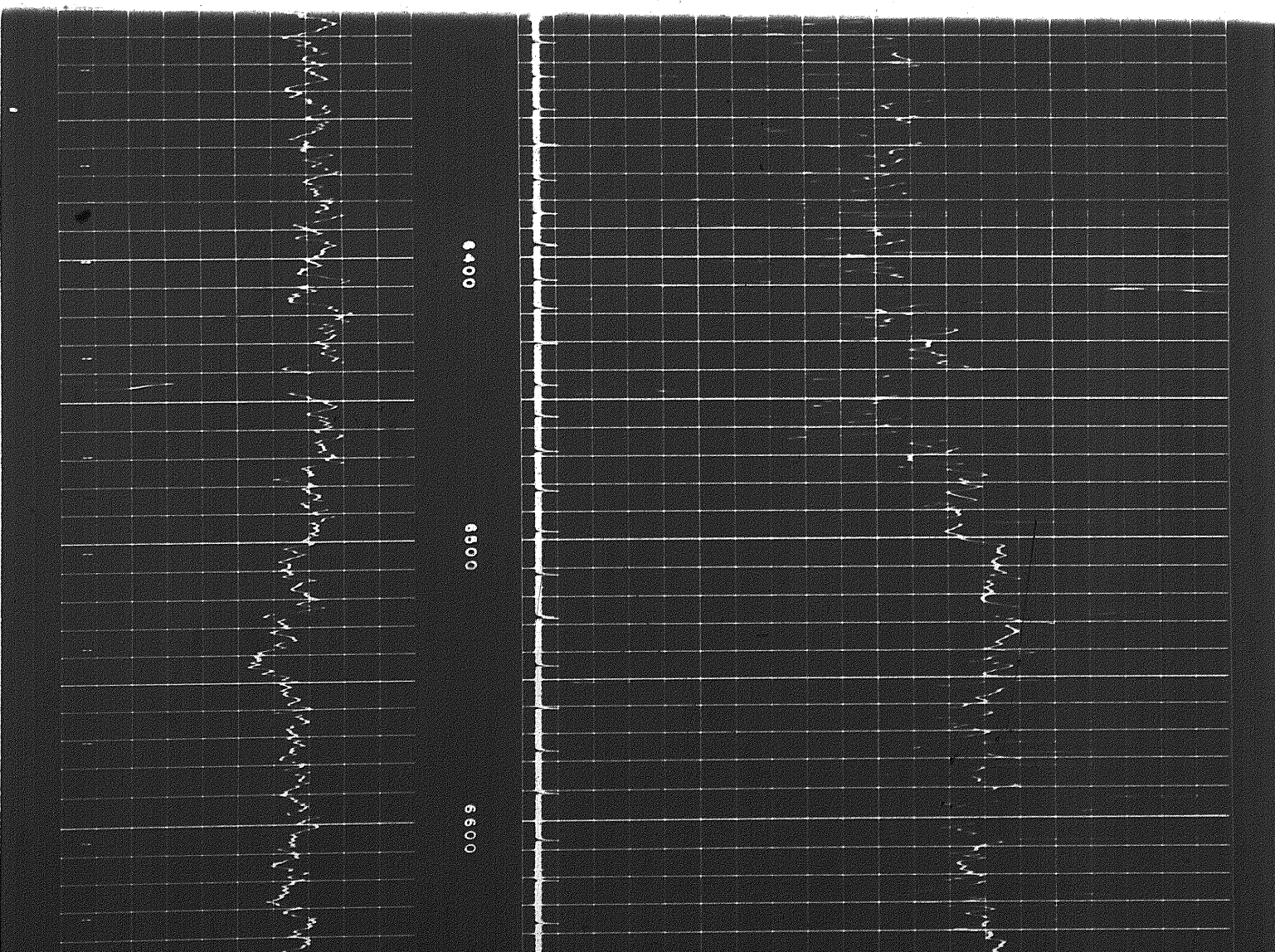
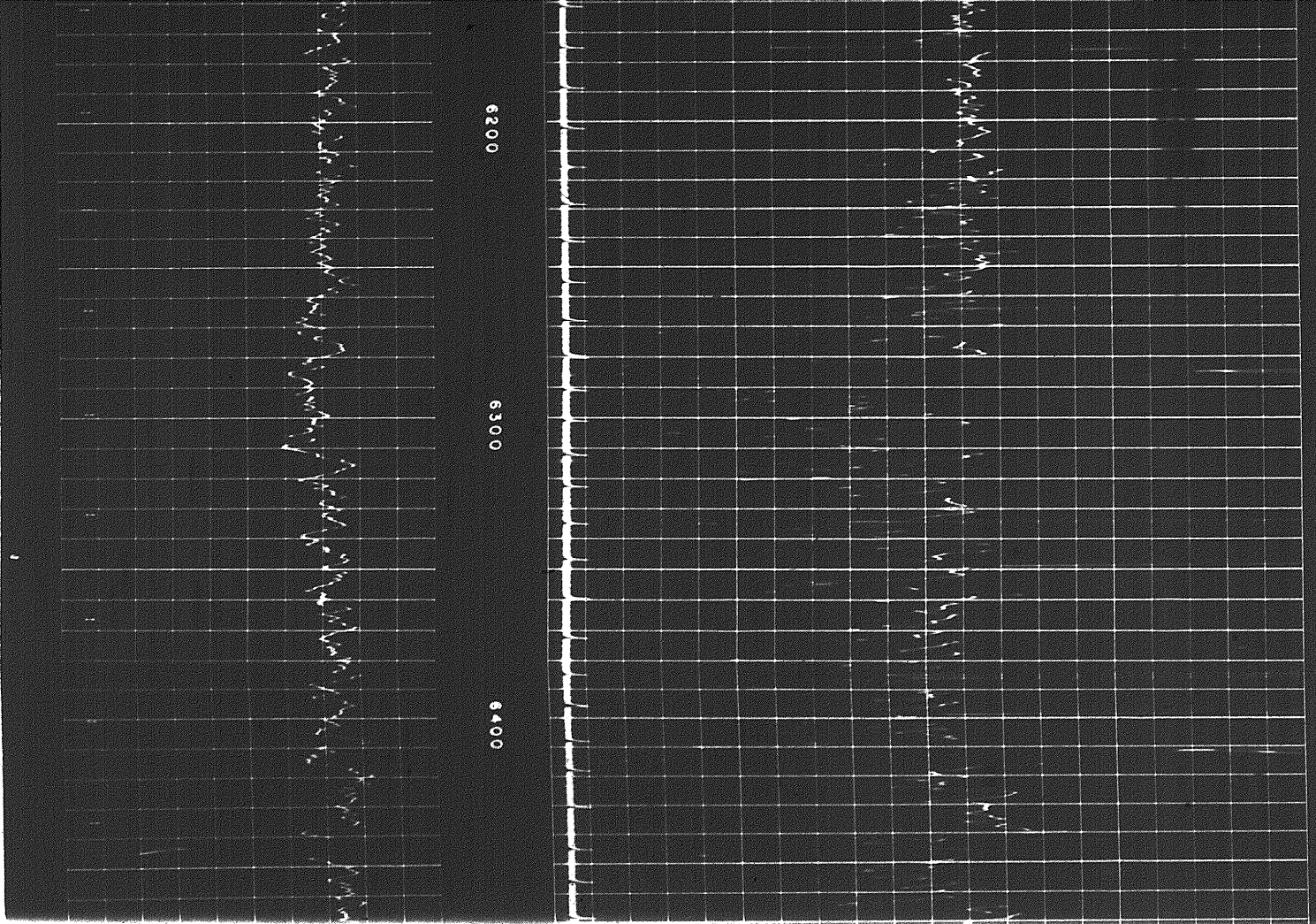
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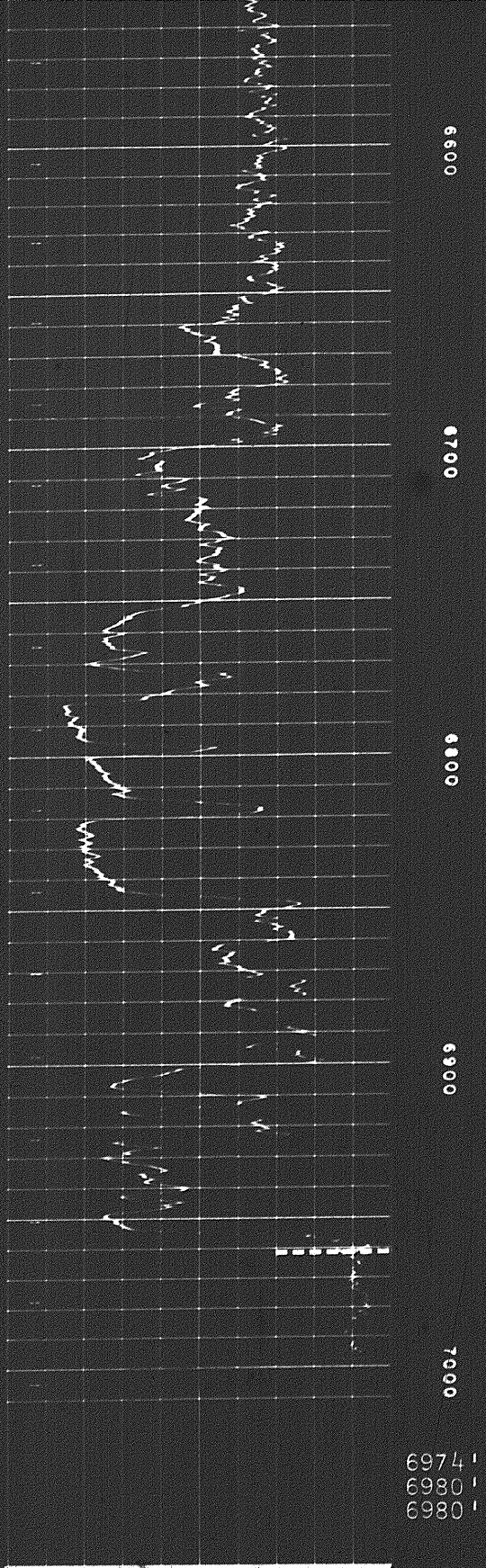
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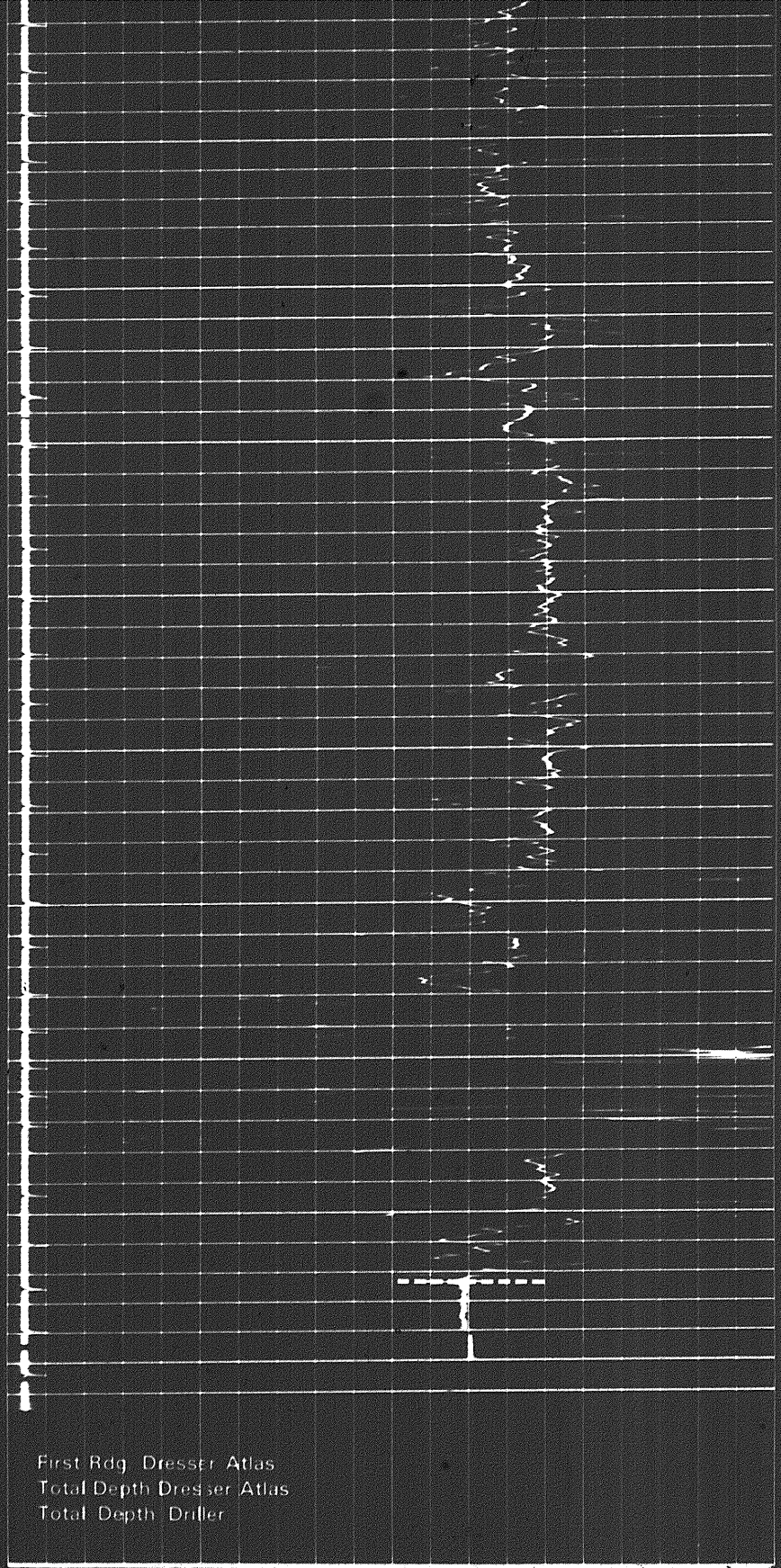








6974'  
6980'  
6980'



First Rdg Dresser Atlas  
Total Depth Dresser Atlas  
Total Depth Driller

*69*

GAMMA RAY API UNITS	DEPTH	ACOUSTILOG T <sub>1</sub> R <sub>1</sub> R <sub>2</sub> T <sub>2</sub>
<p><b>SPECIFIC ACOUSTIC TIME</b> Micro Seconds Per Foot</p>		
<p>0            75            150</p>		<p>140            115            90            65            40</p>

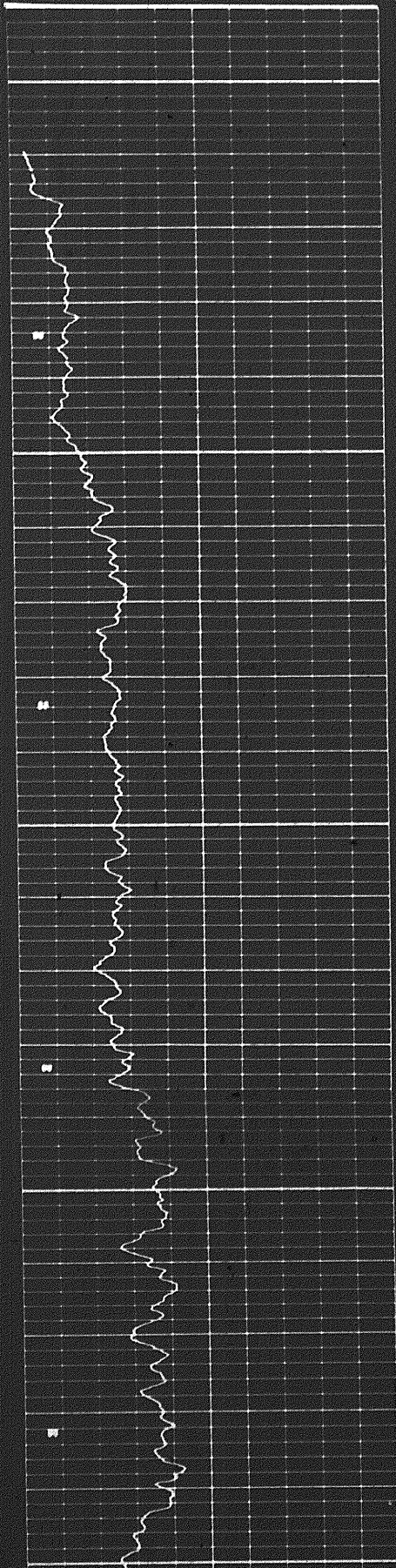


# SPECIFIC ACOUSTIC TIME

Micro Seconds Per Foot

0 75 150

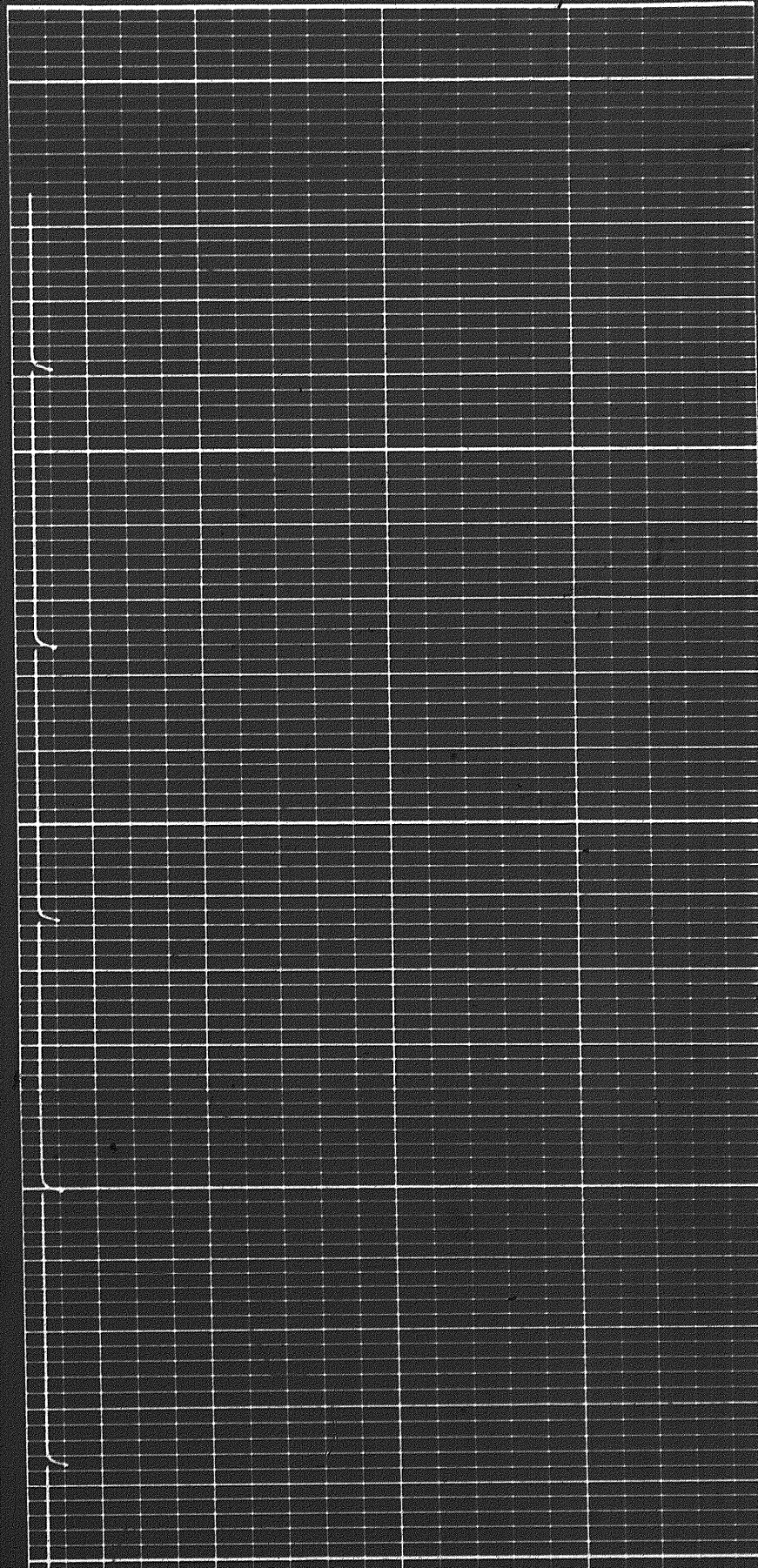
140 115 90 65 40



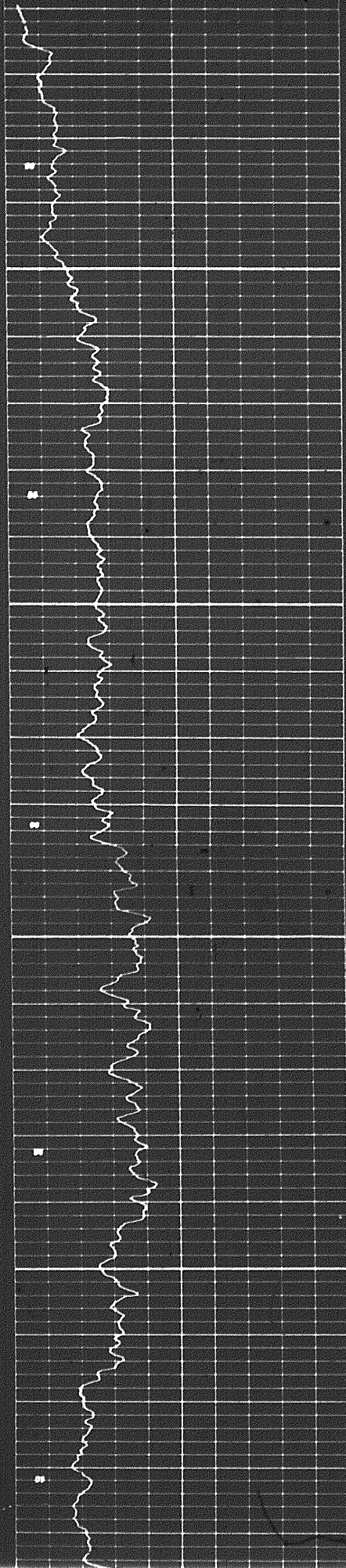
0

100

20

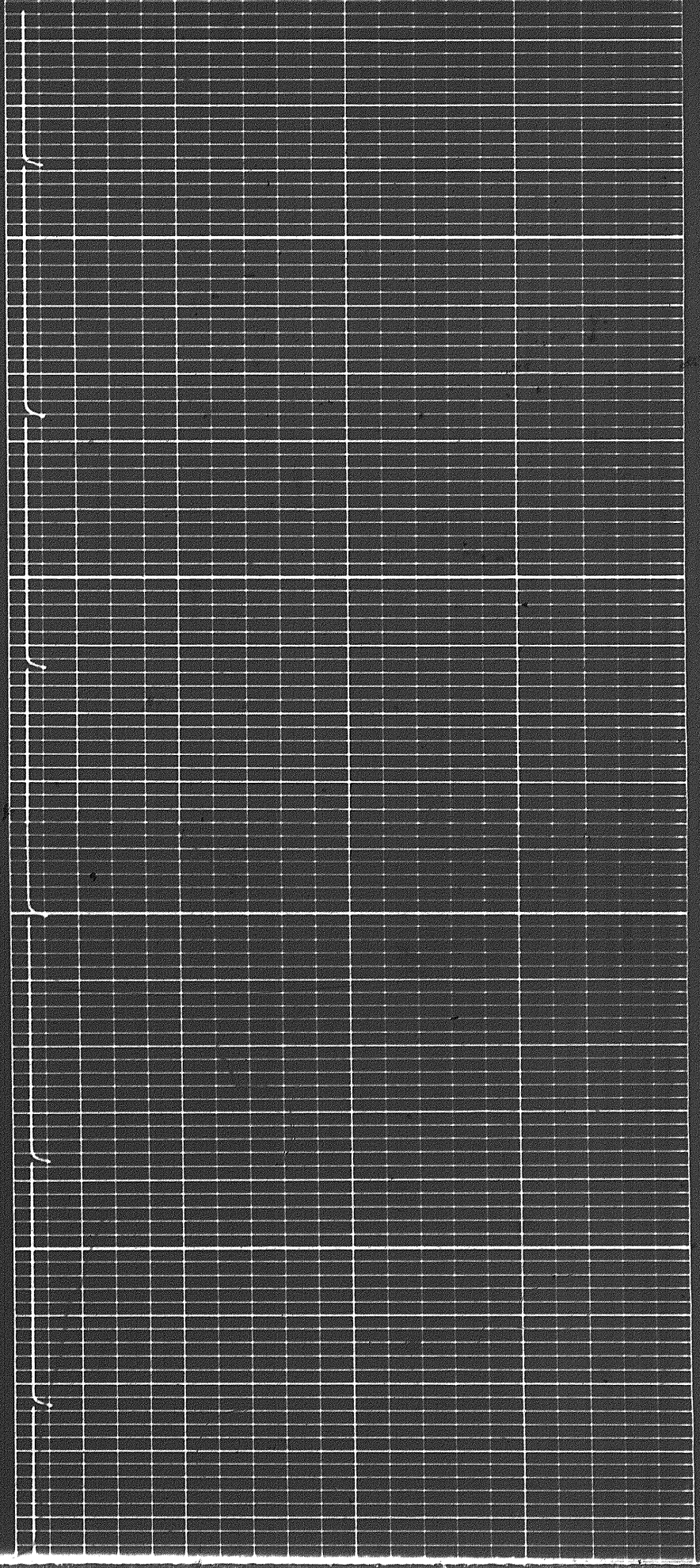




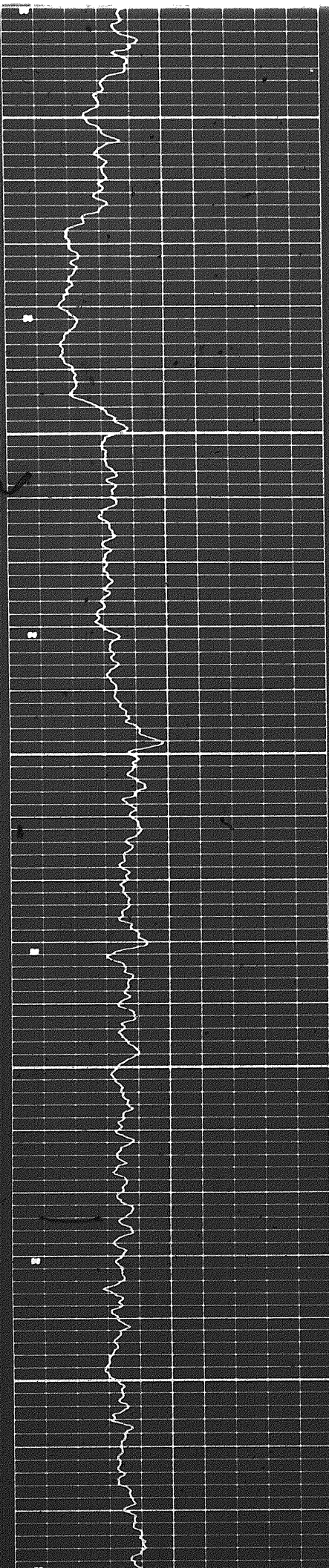


100

200



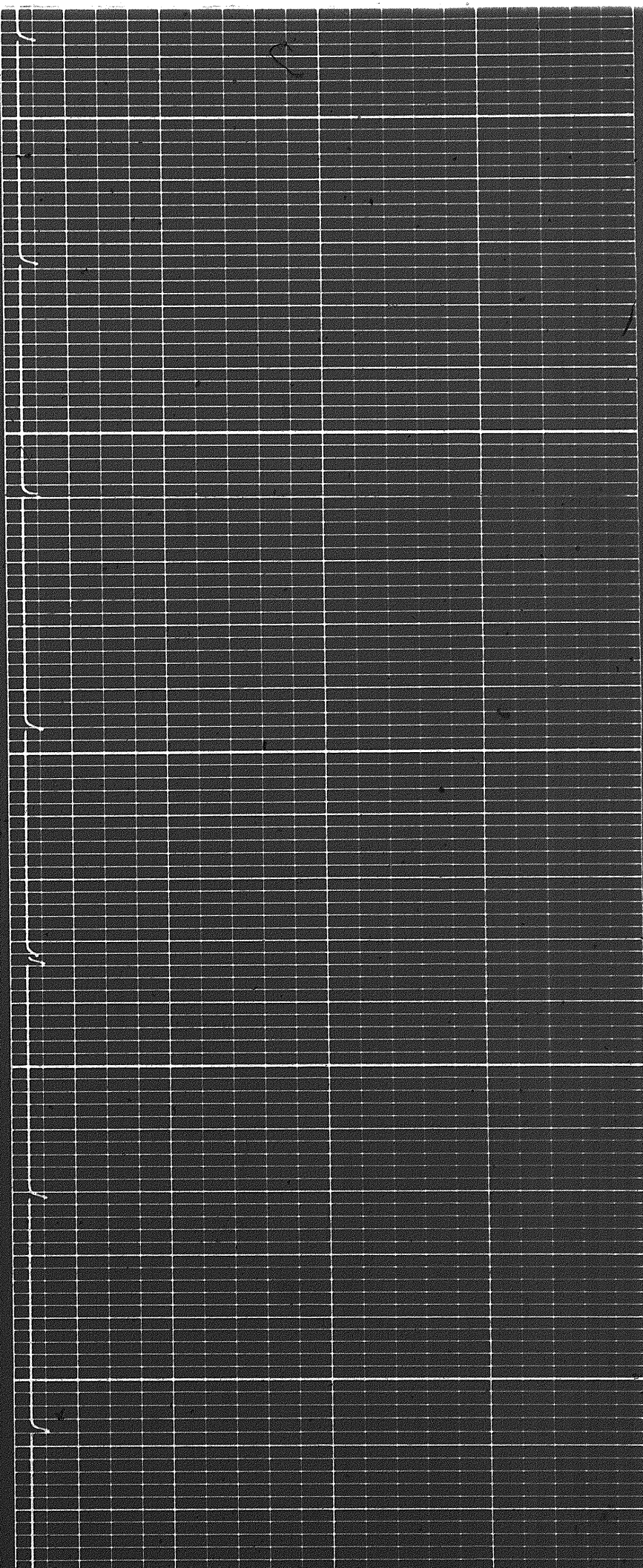




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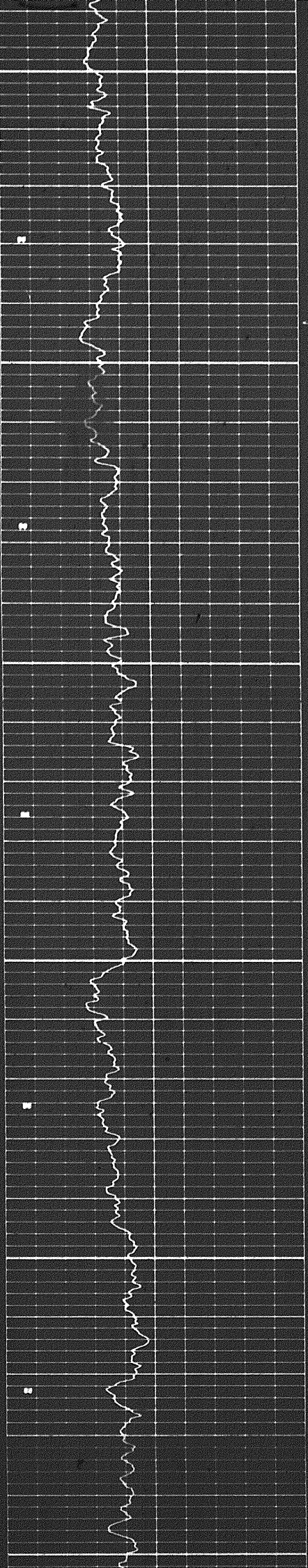
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400





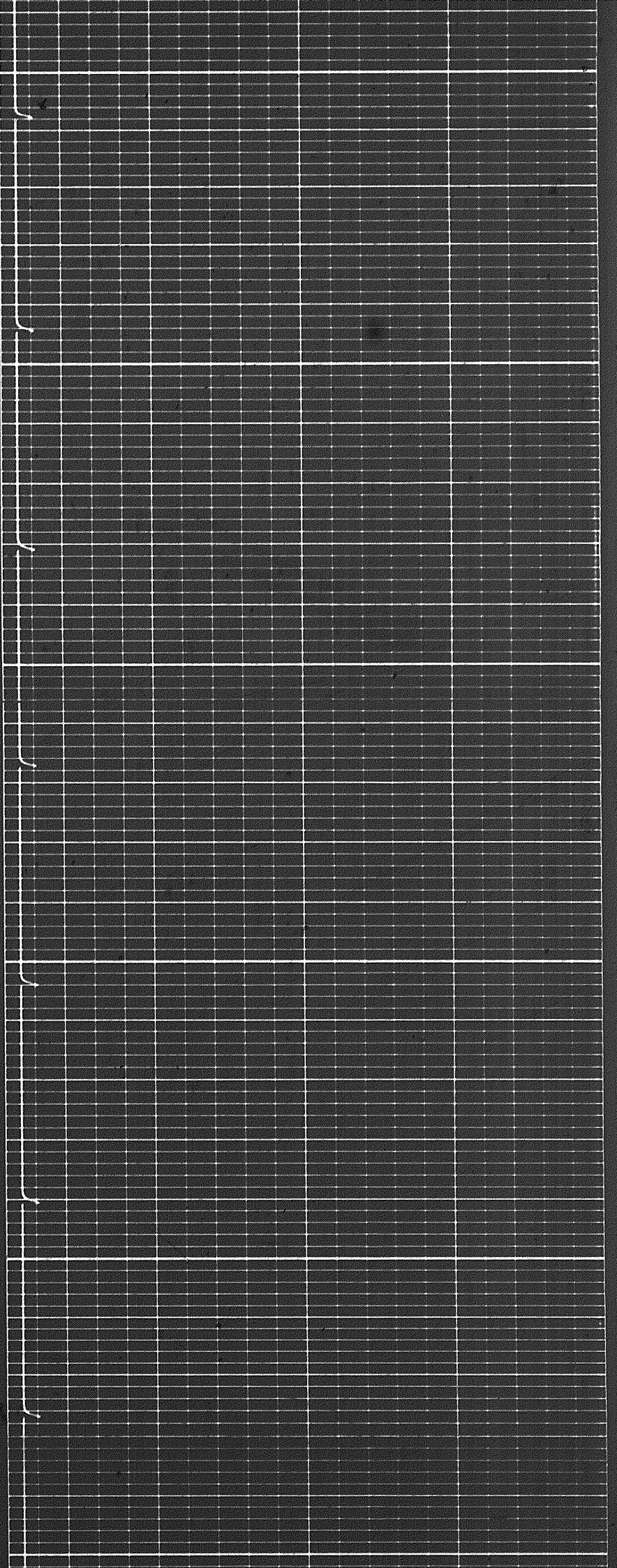
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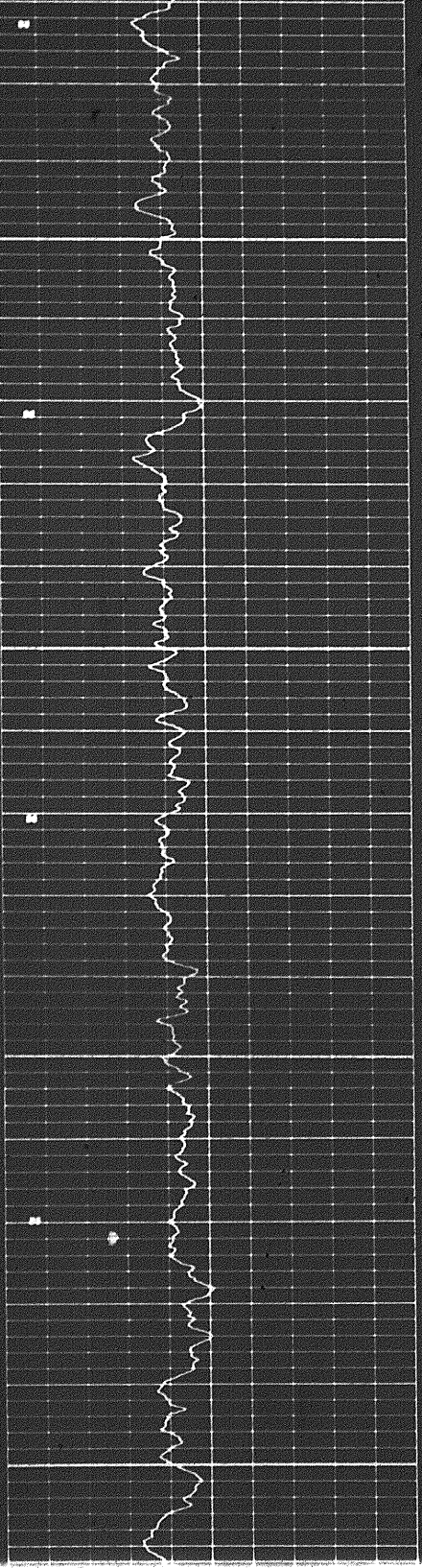
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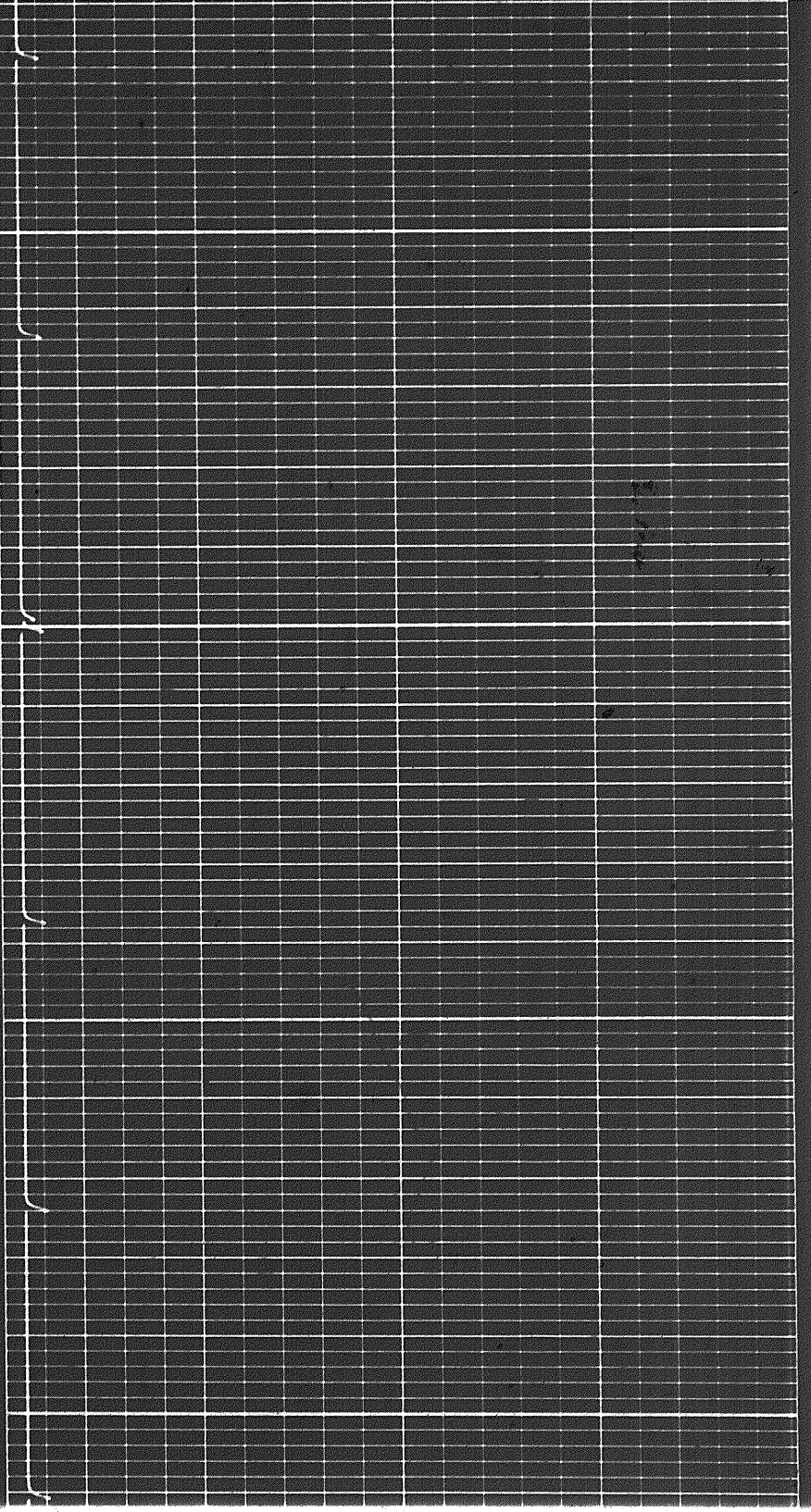
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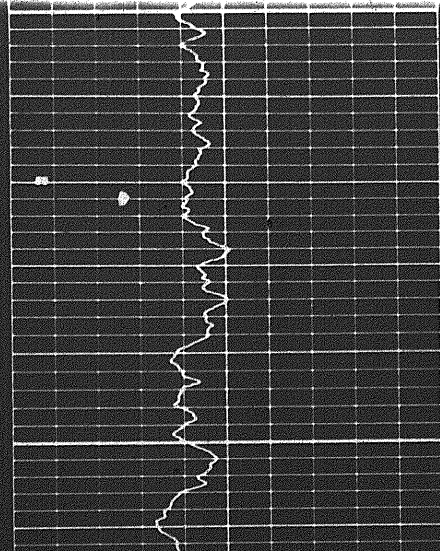




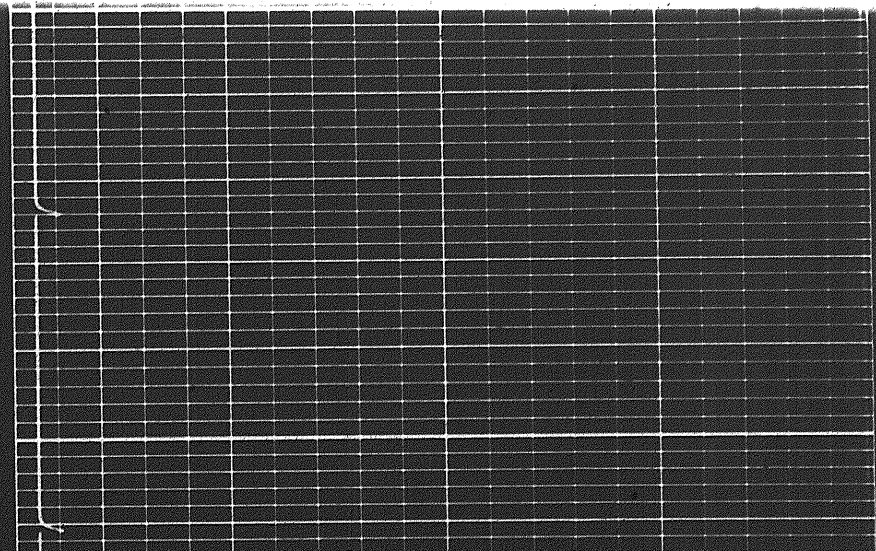
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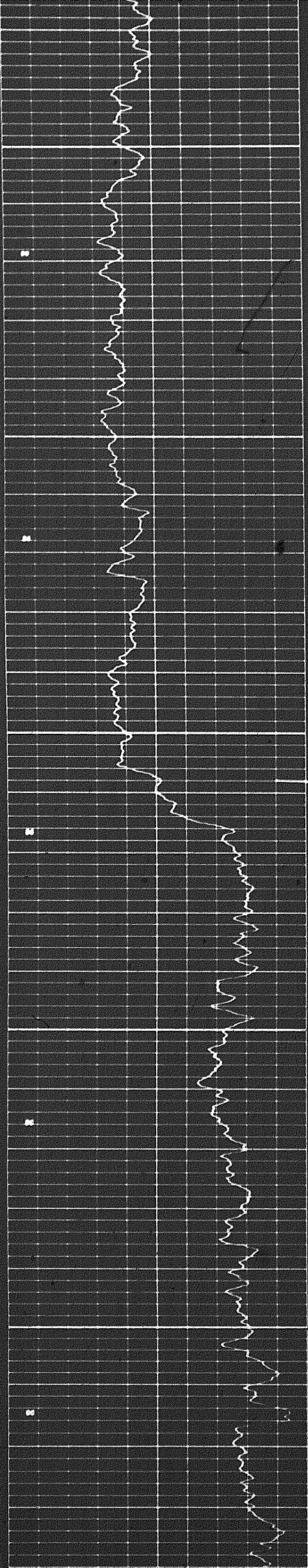
800



800





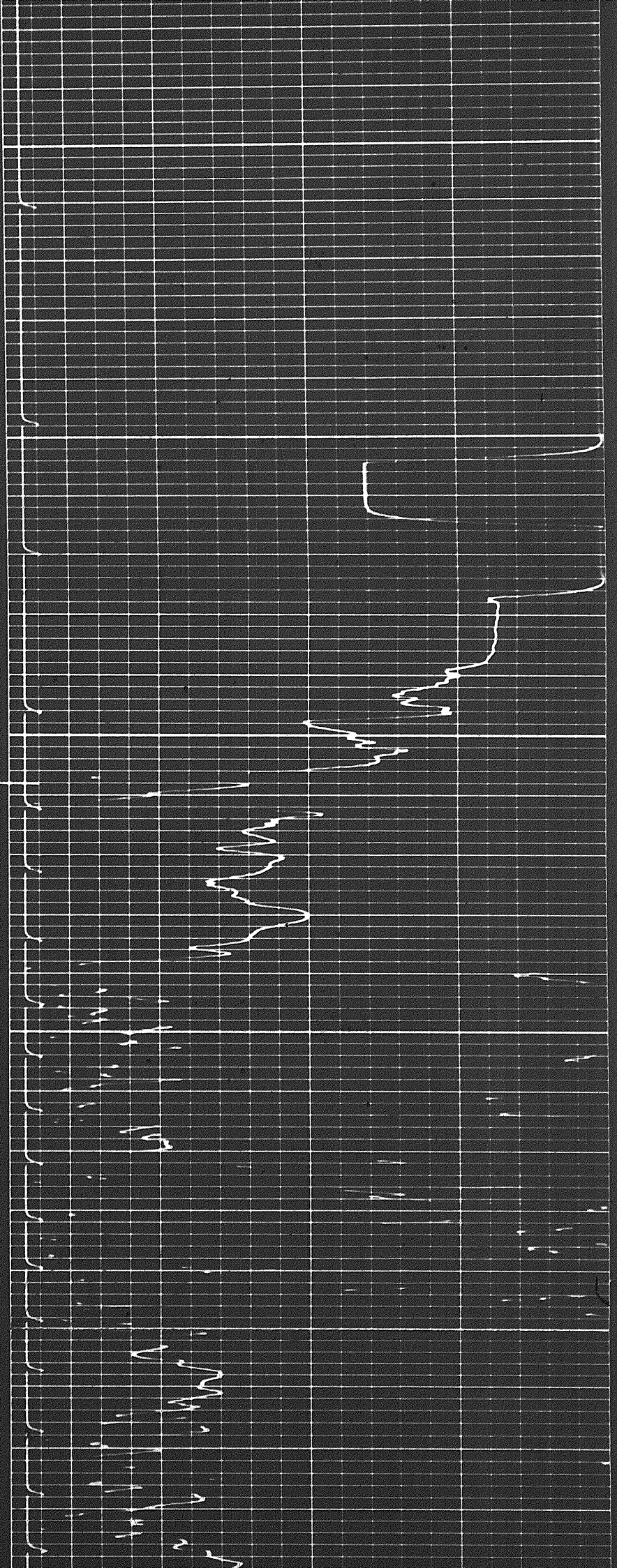


Casing

008

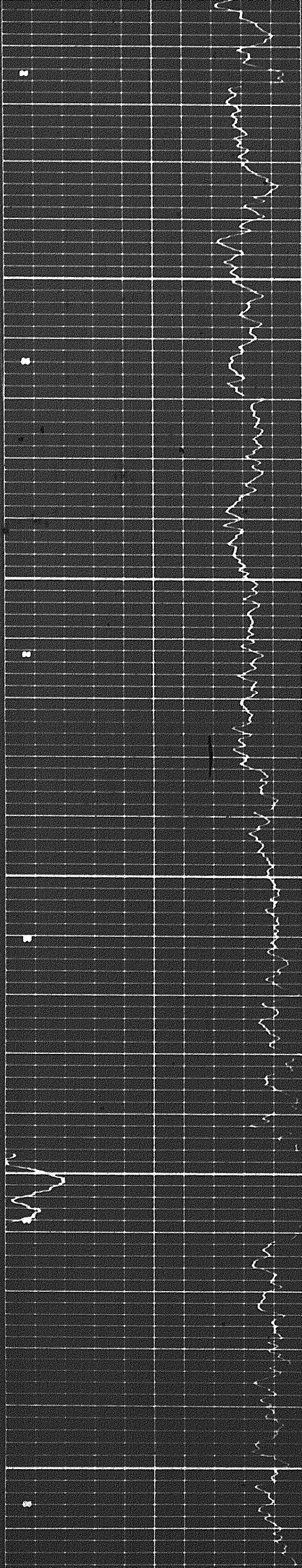
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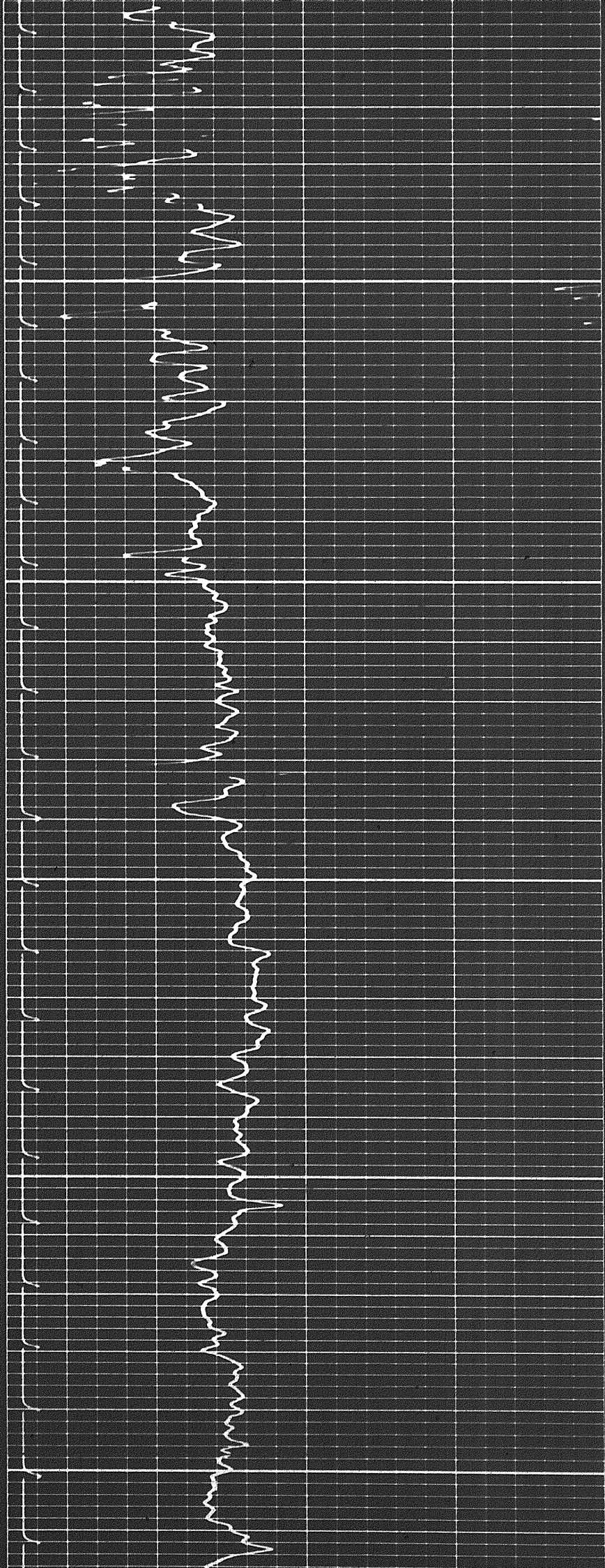




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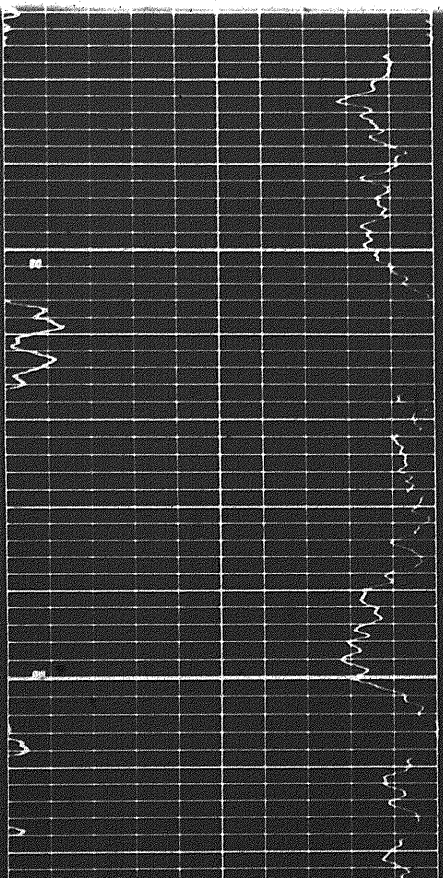
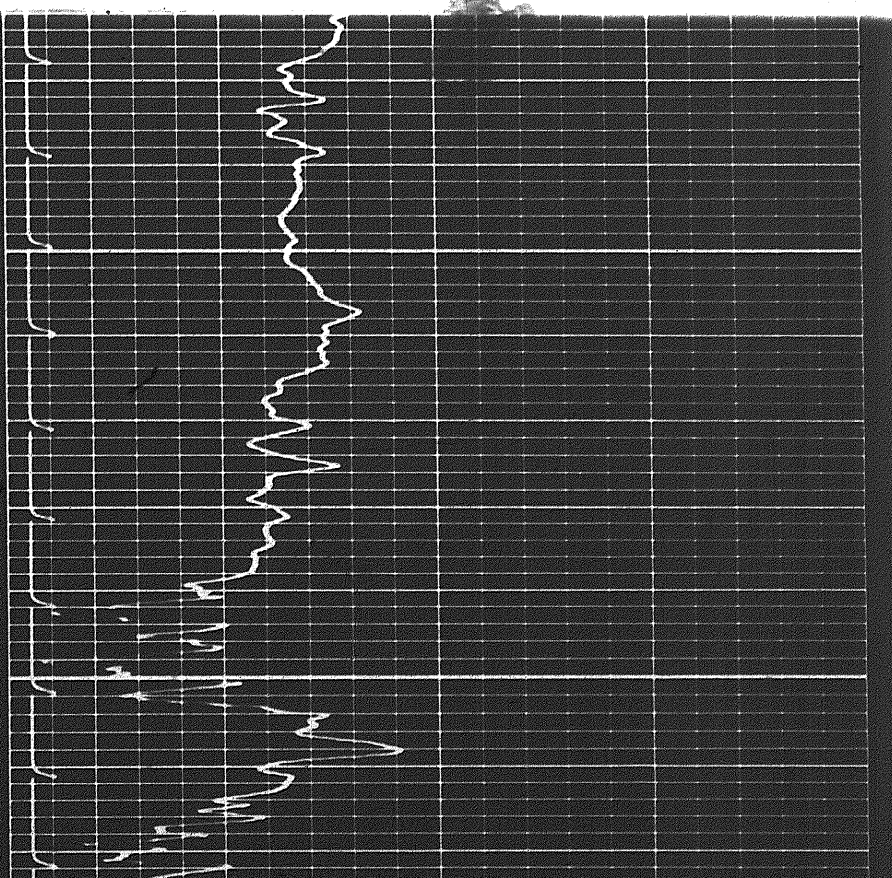
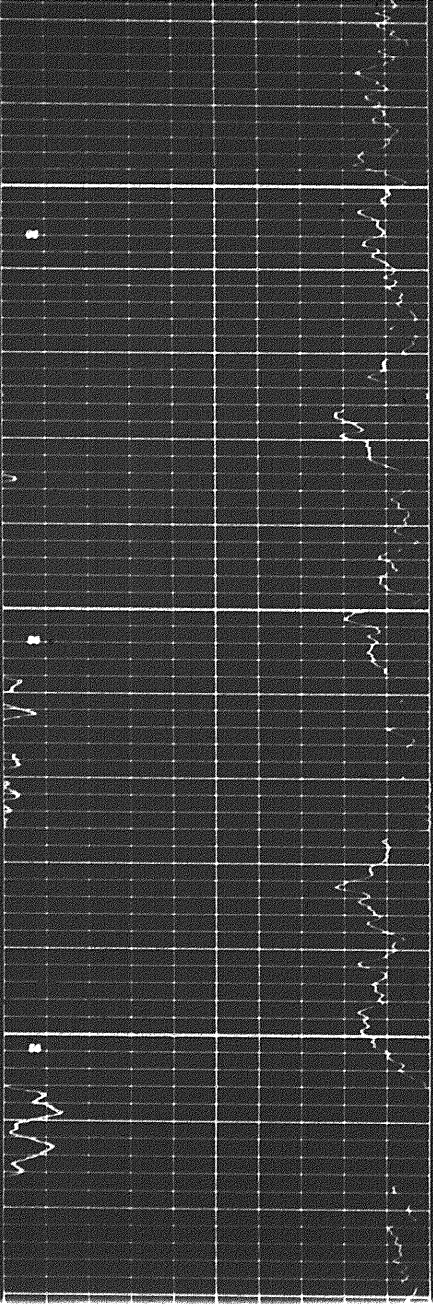
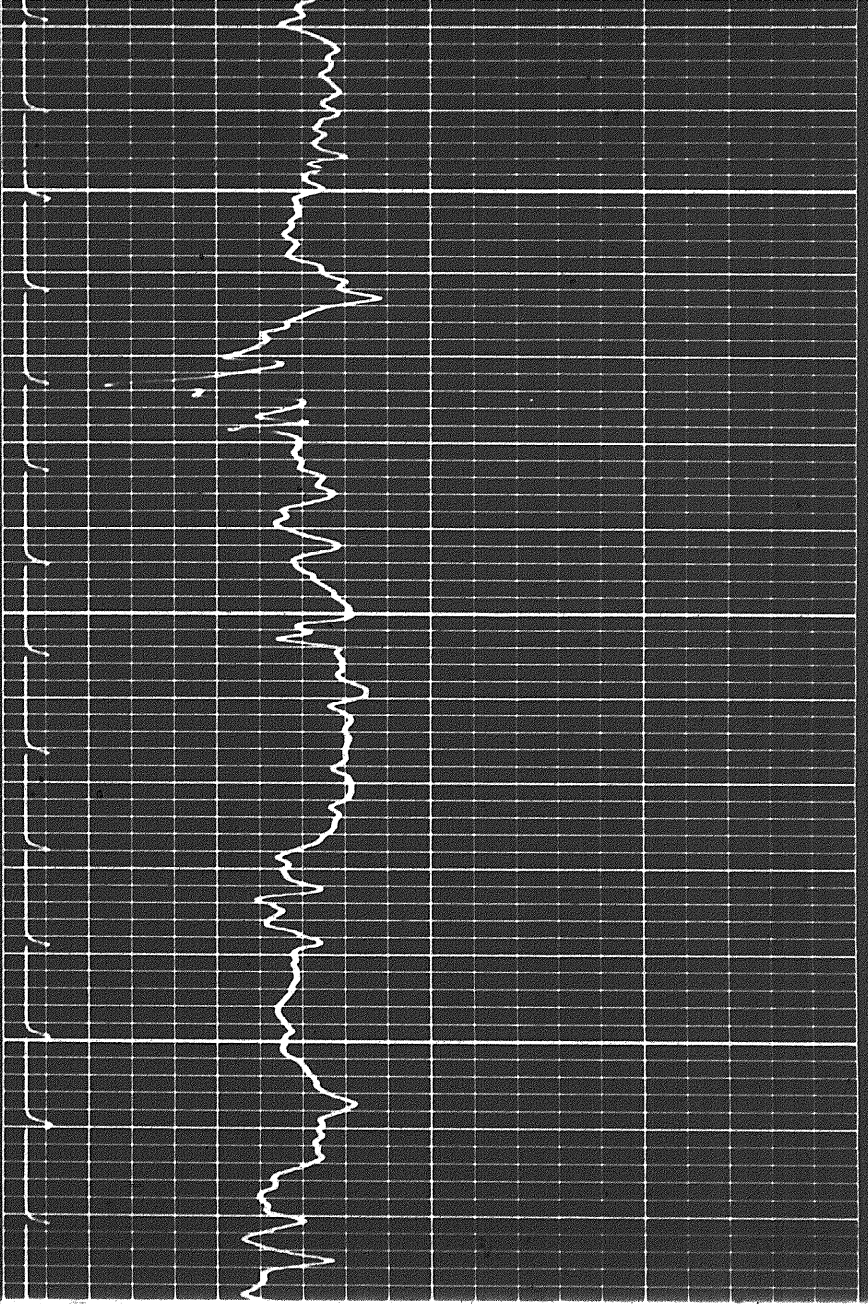


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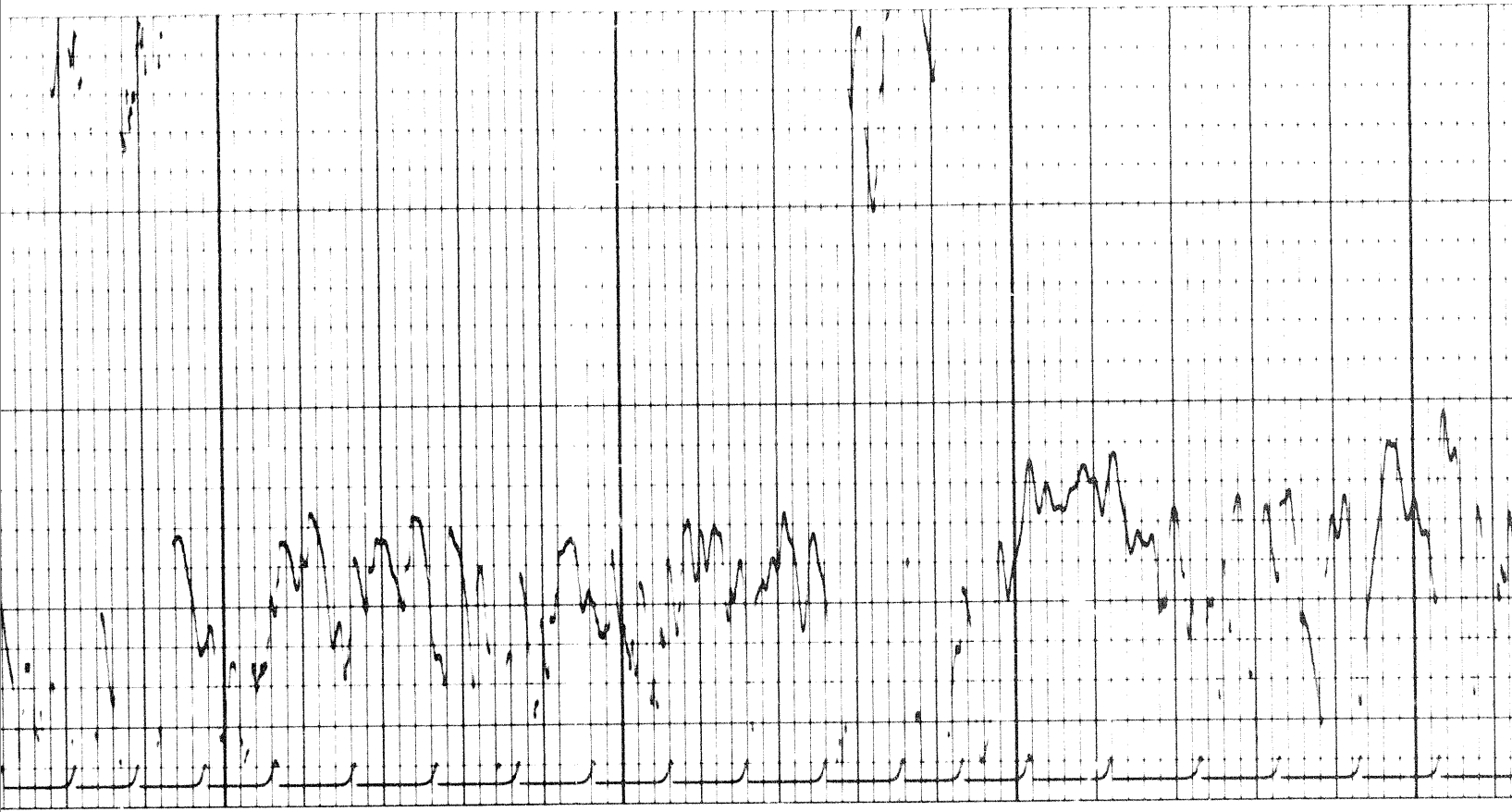


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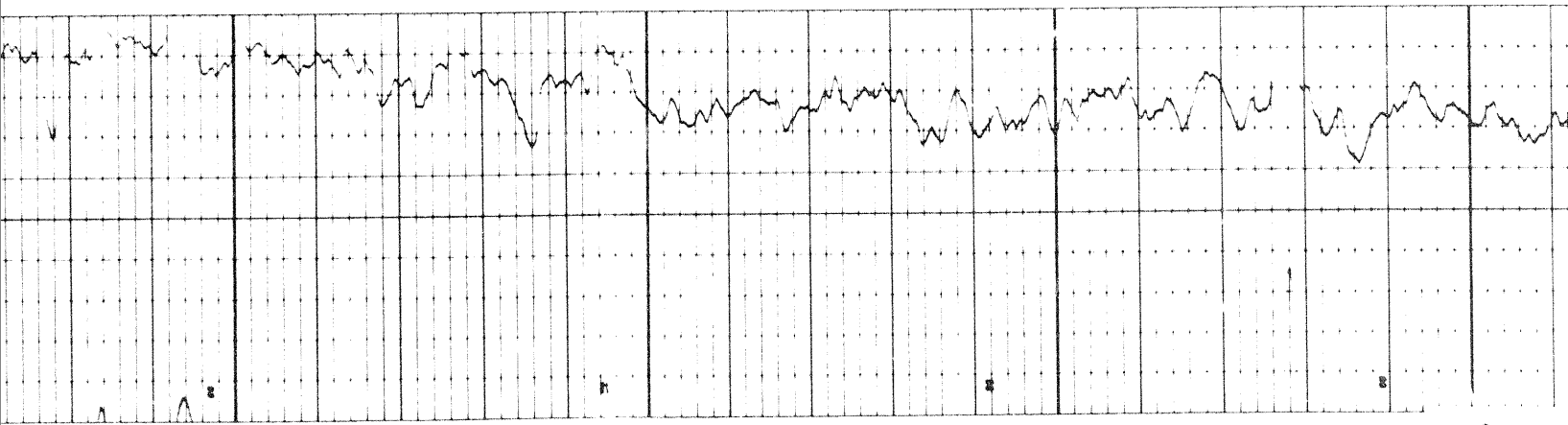




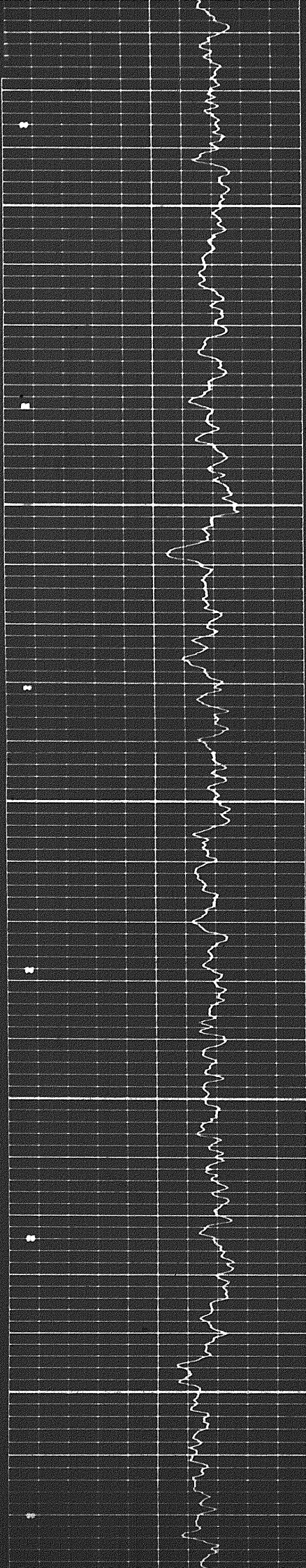


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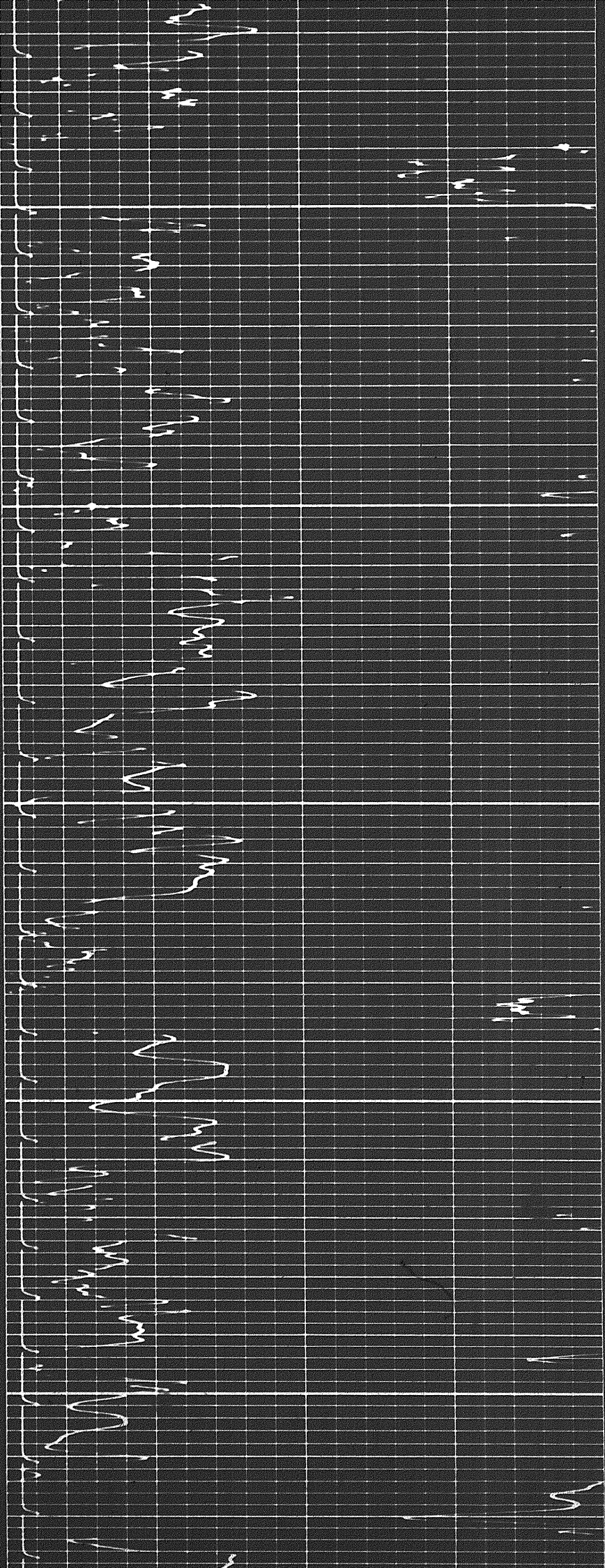




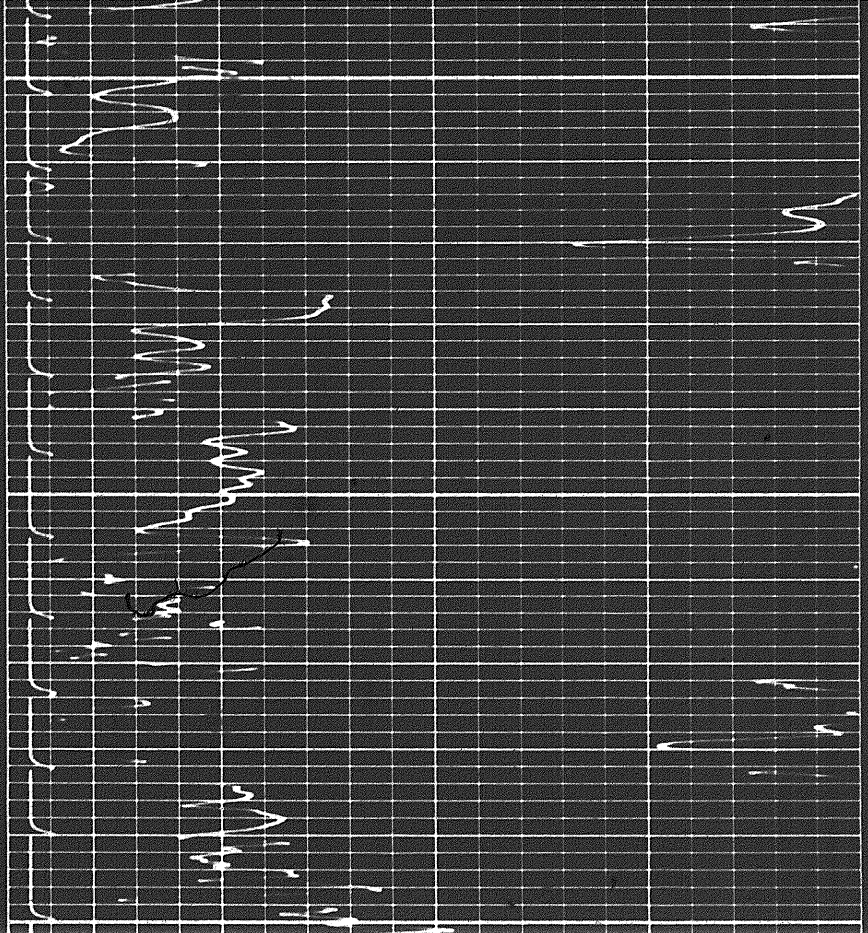


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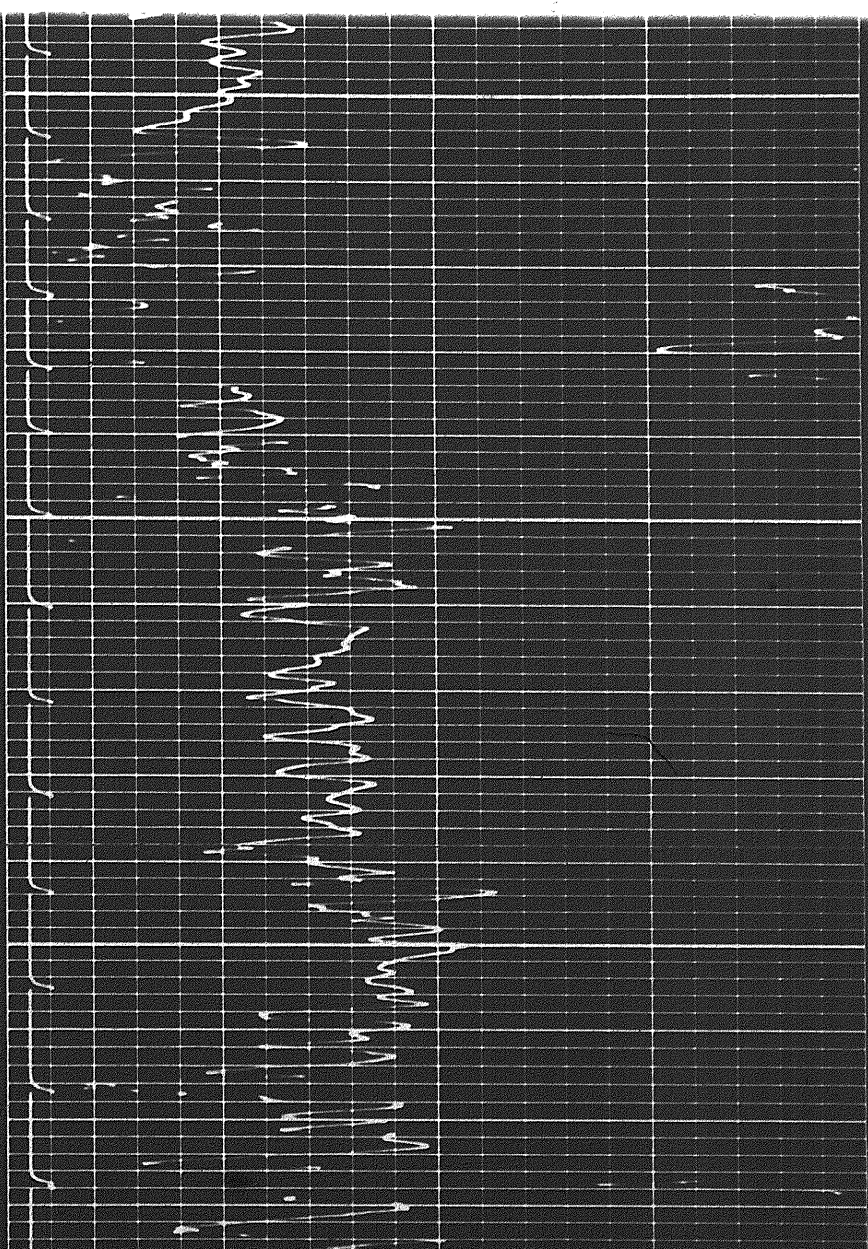
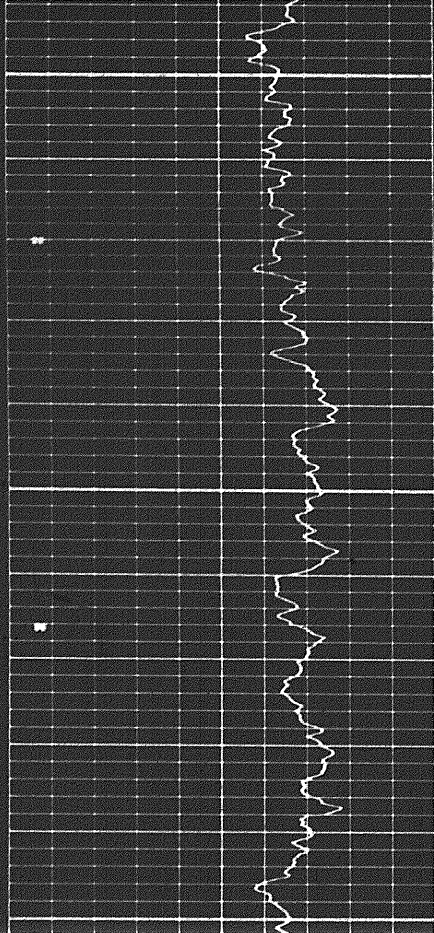
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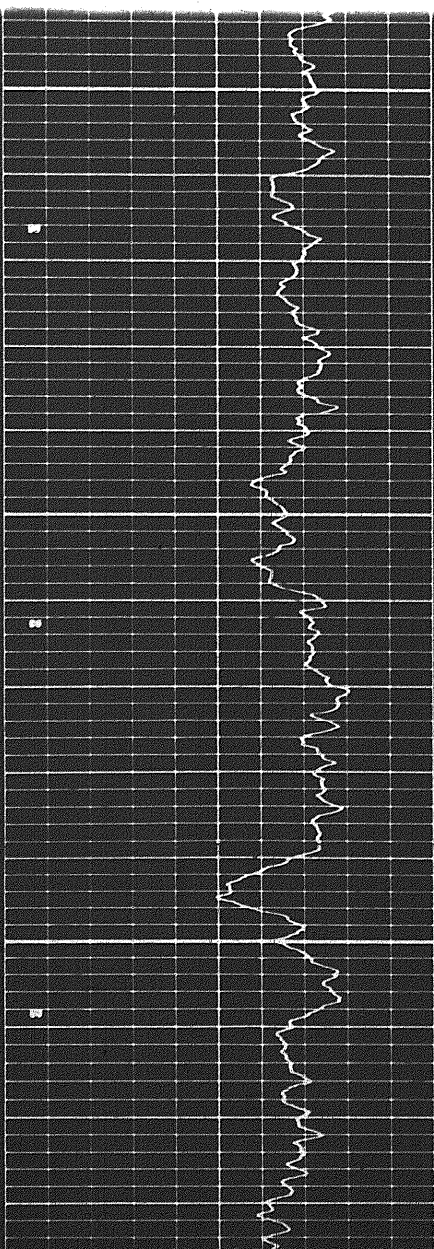




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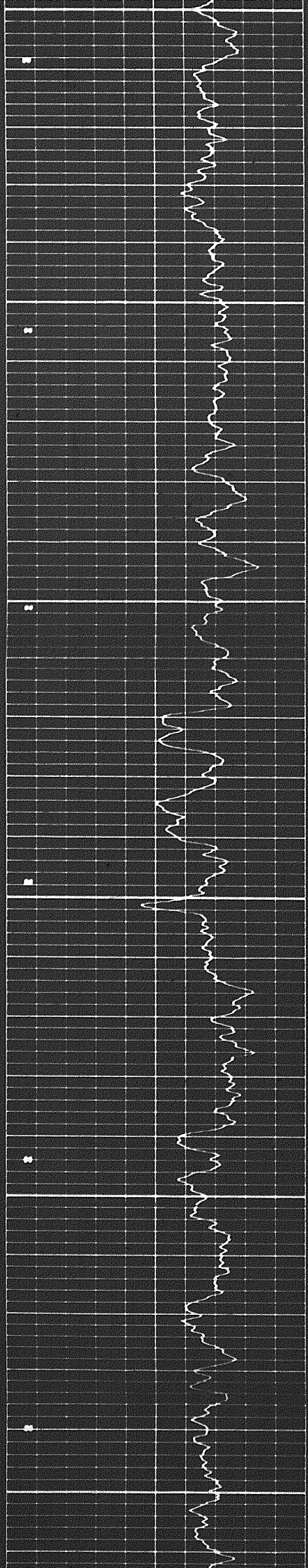
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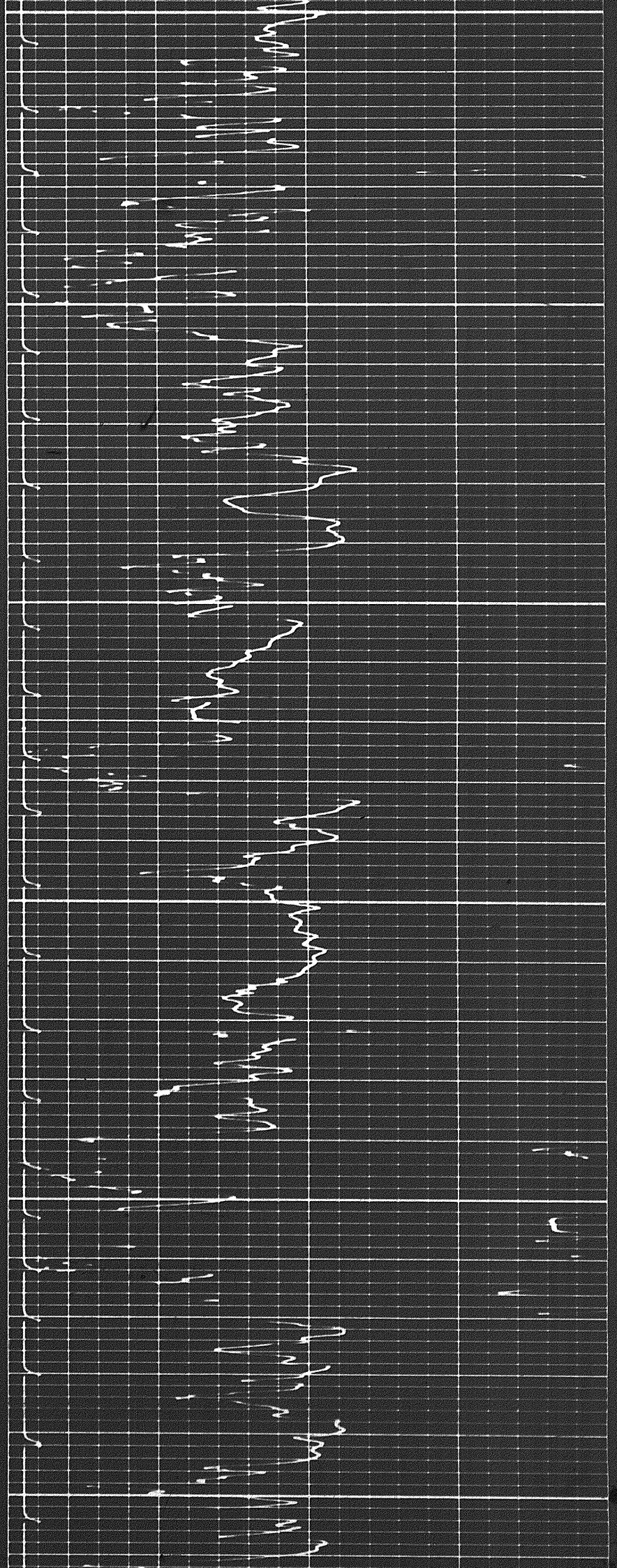
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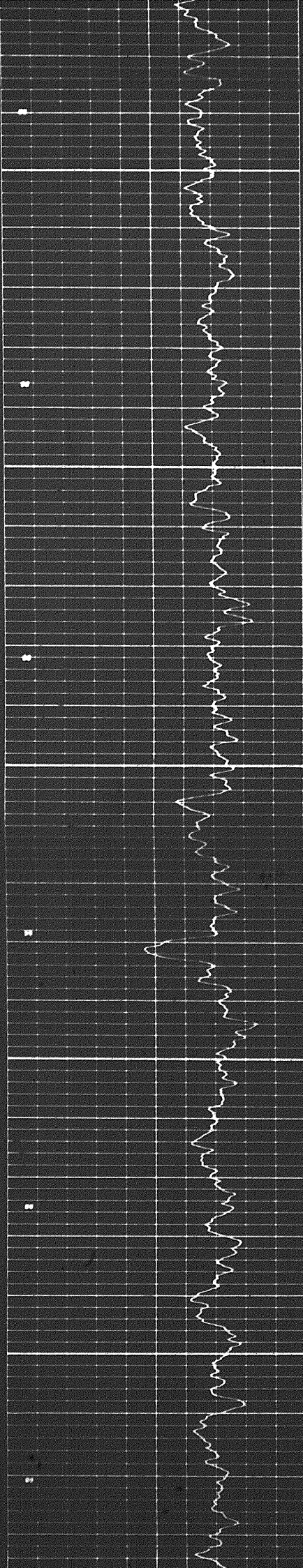
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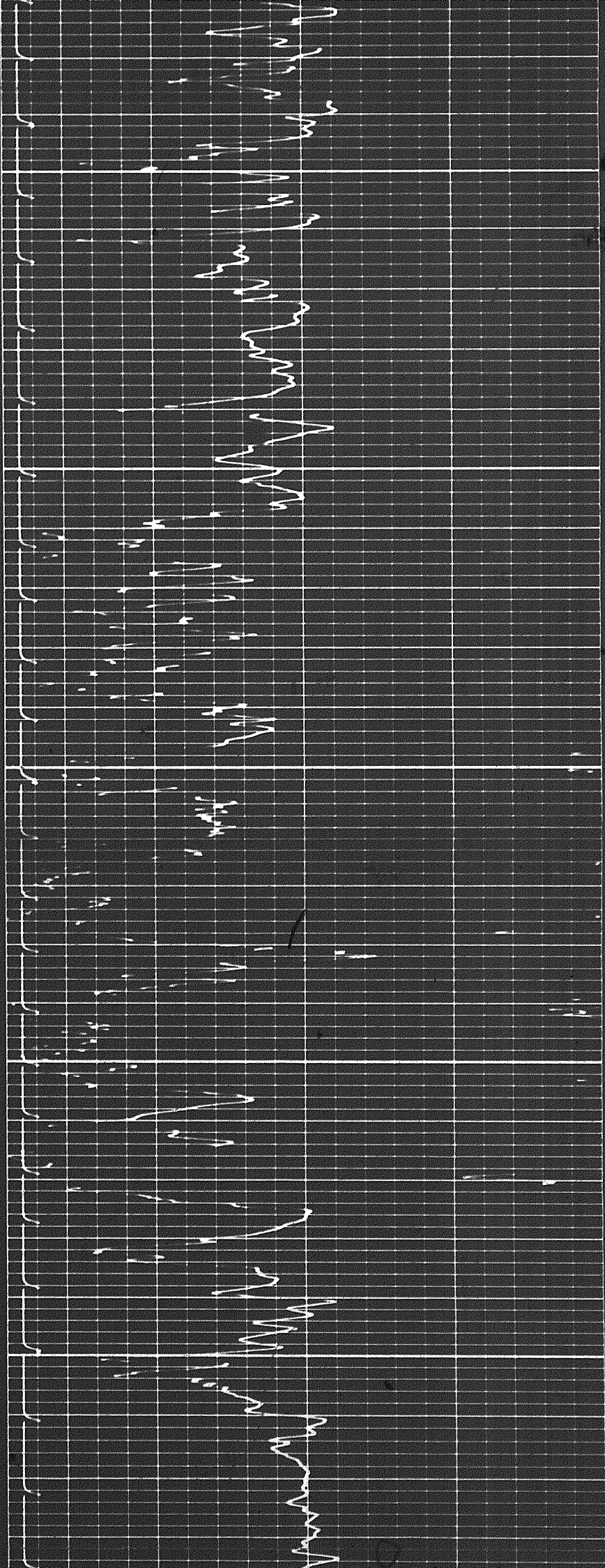


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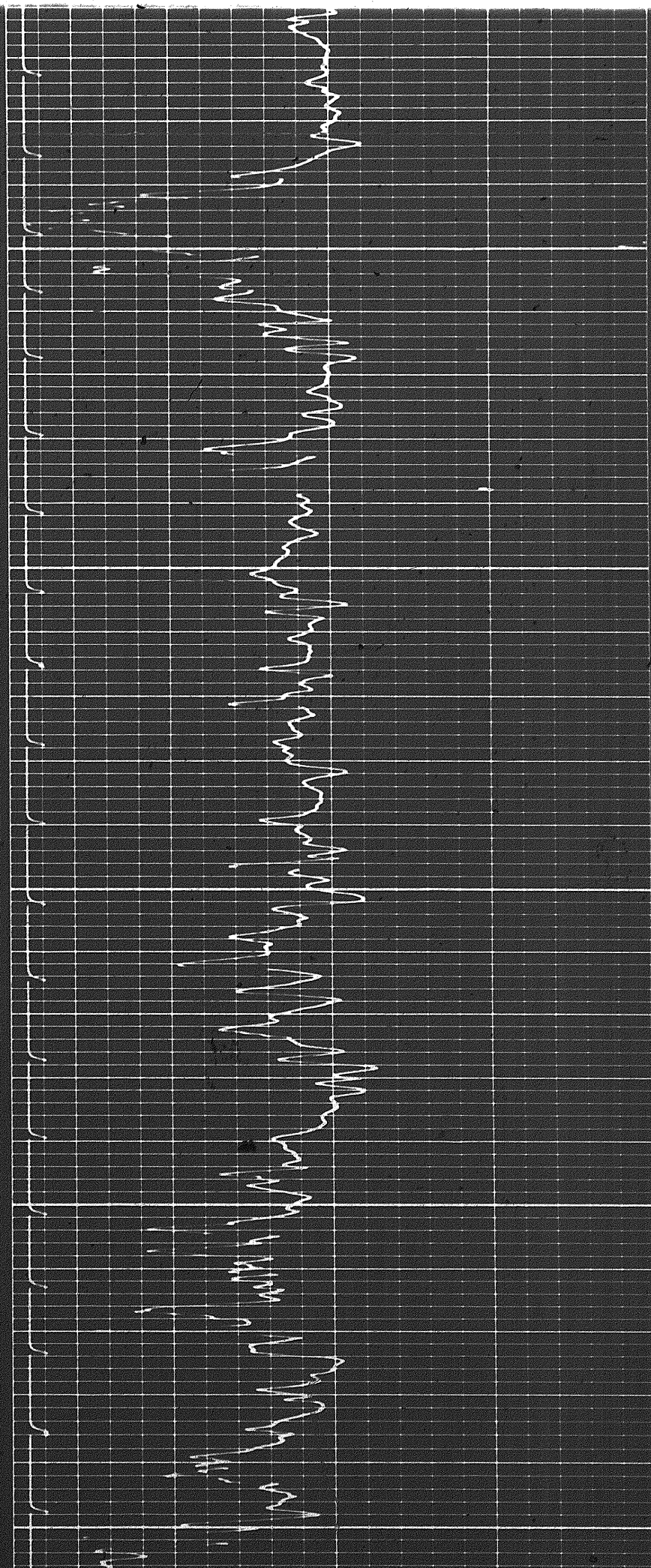


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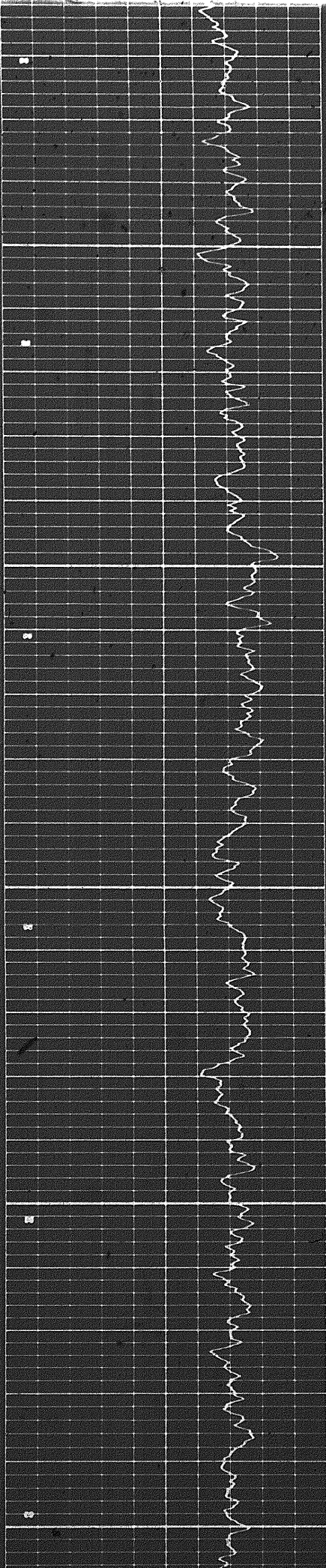




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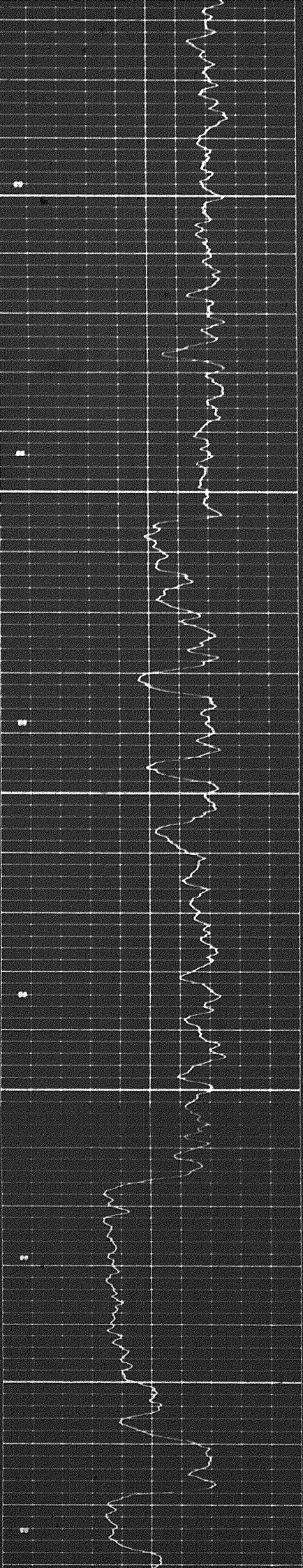
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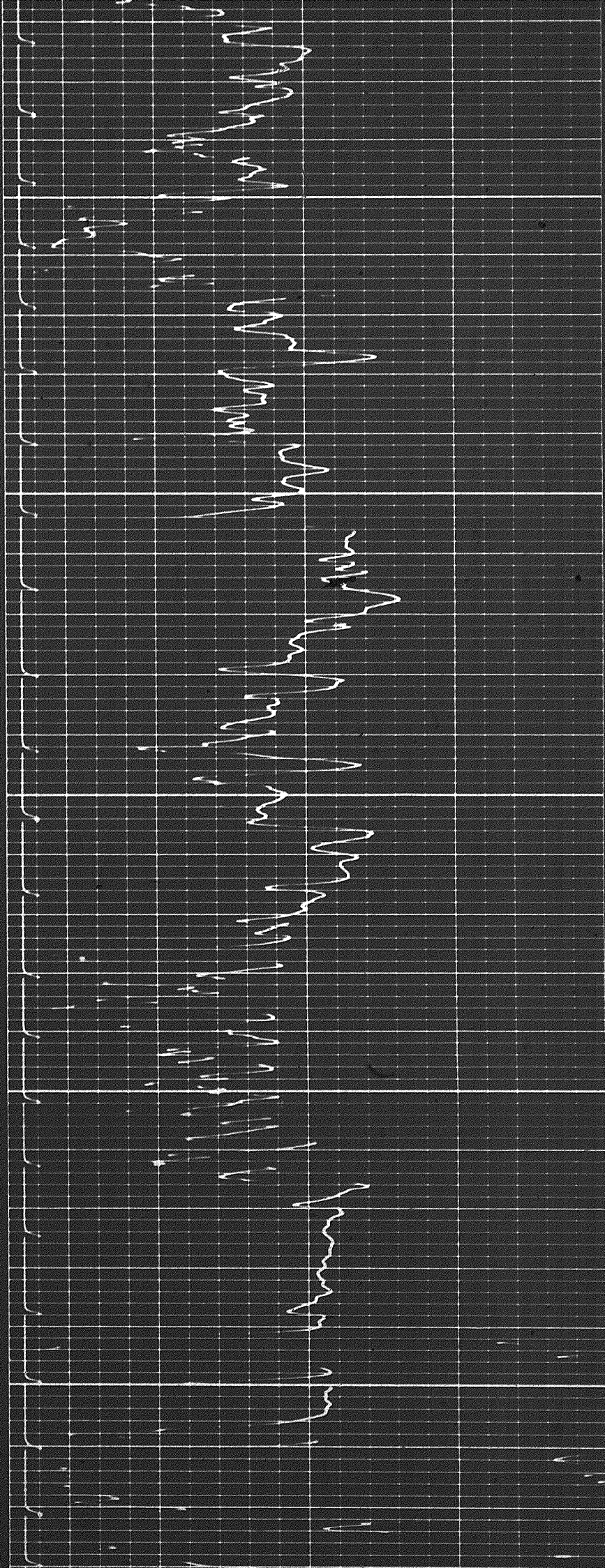


2

174



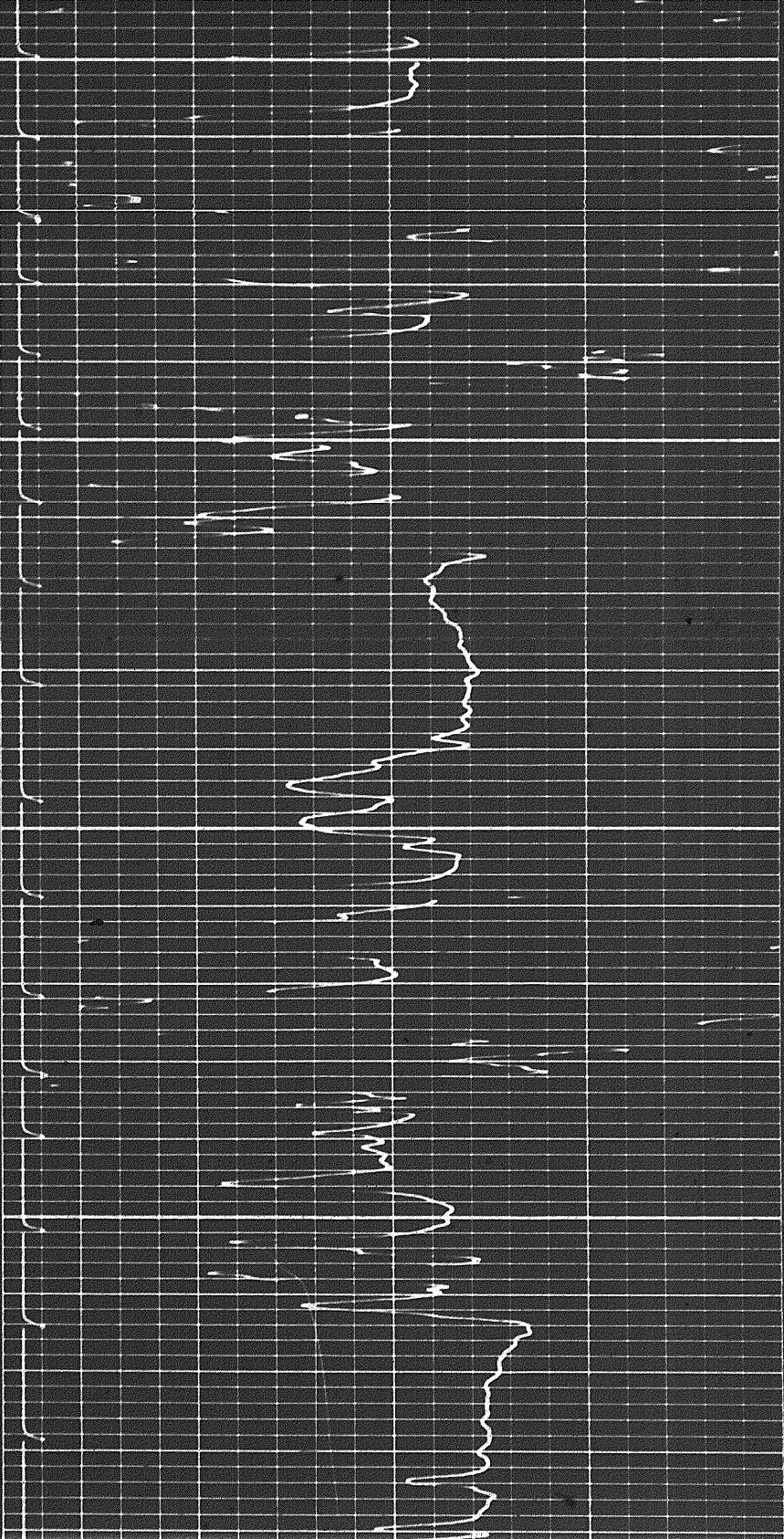
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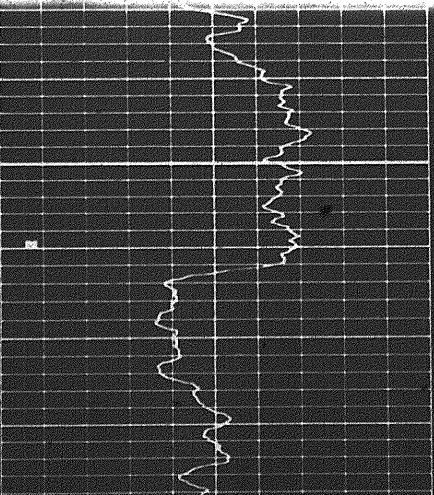
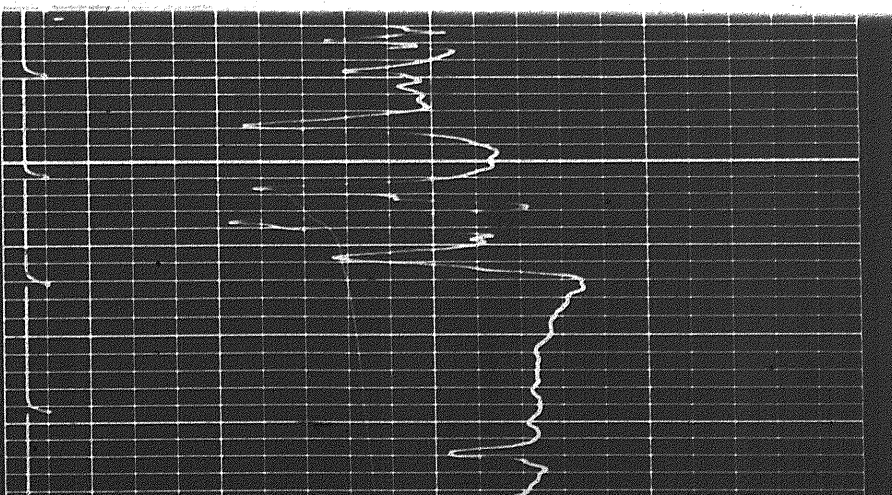
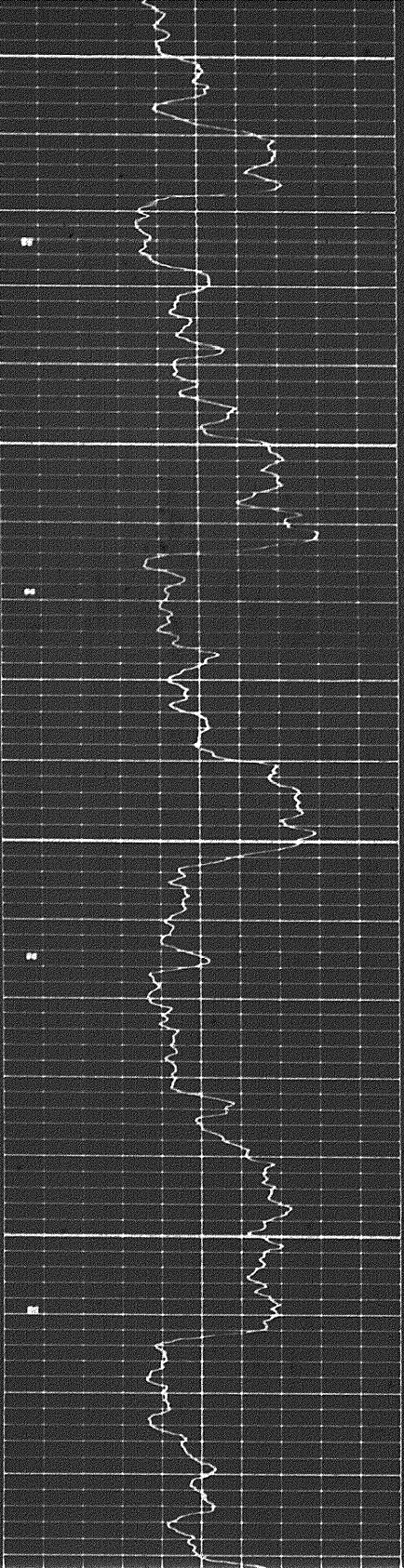
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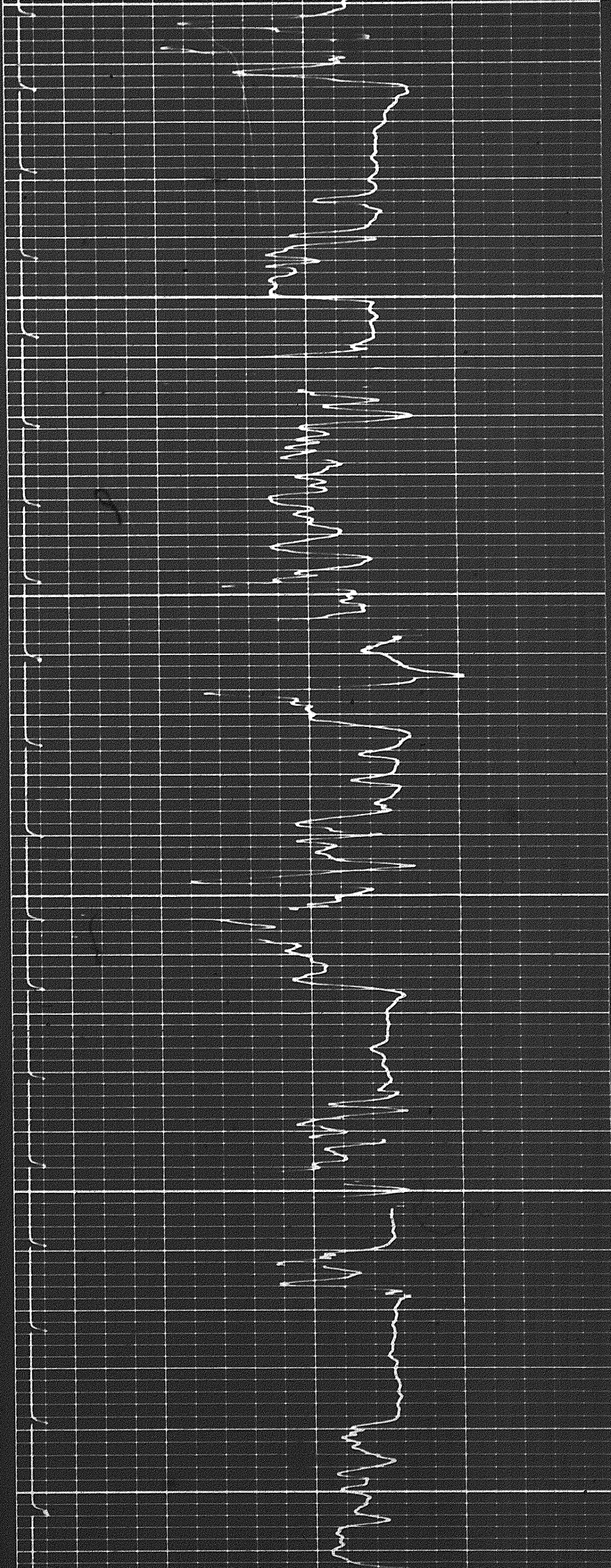


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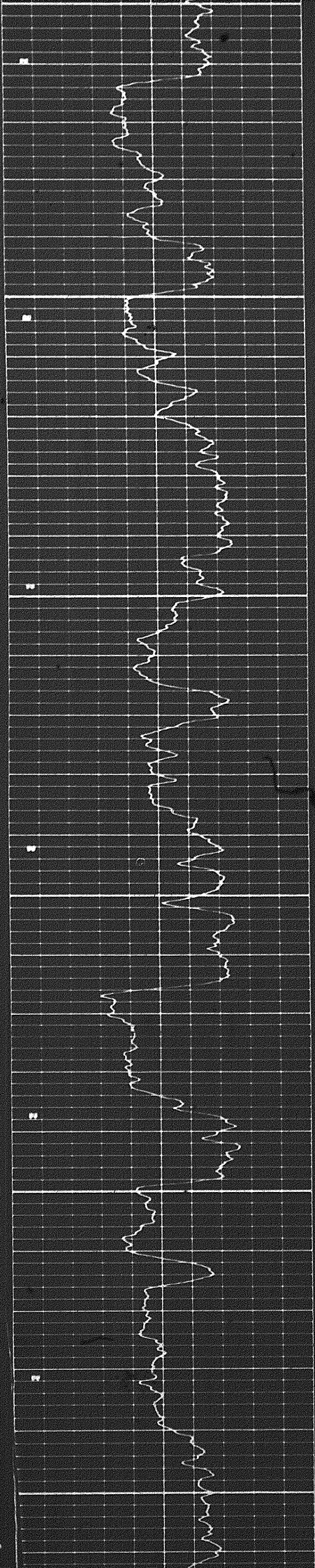




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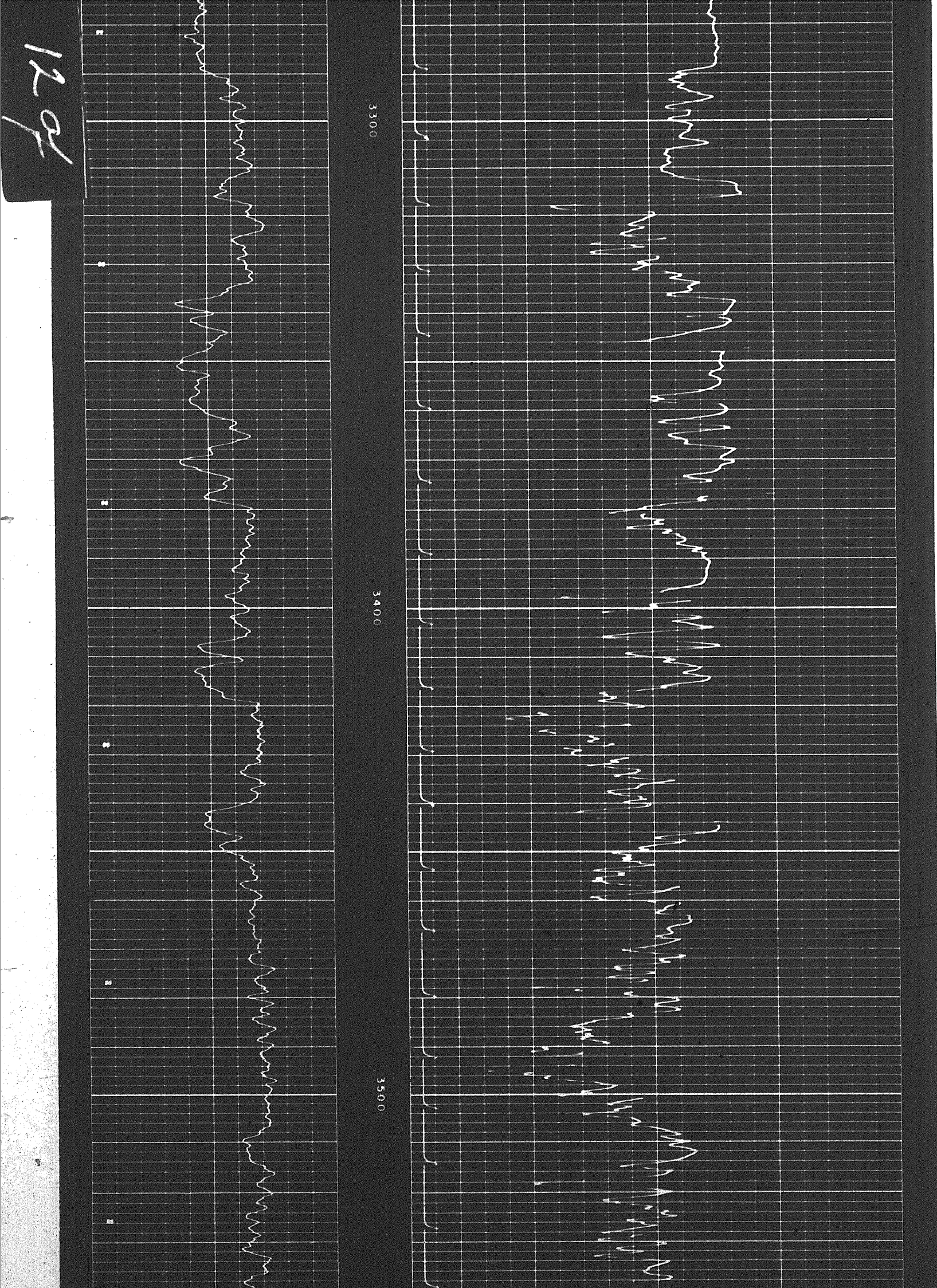
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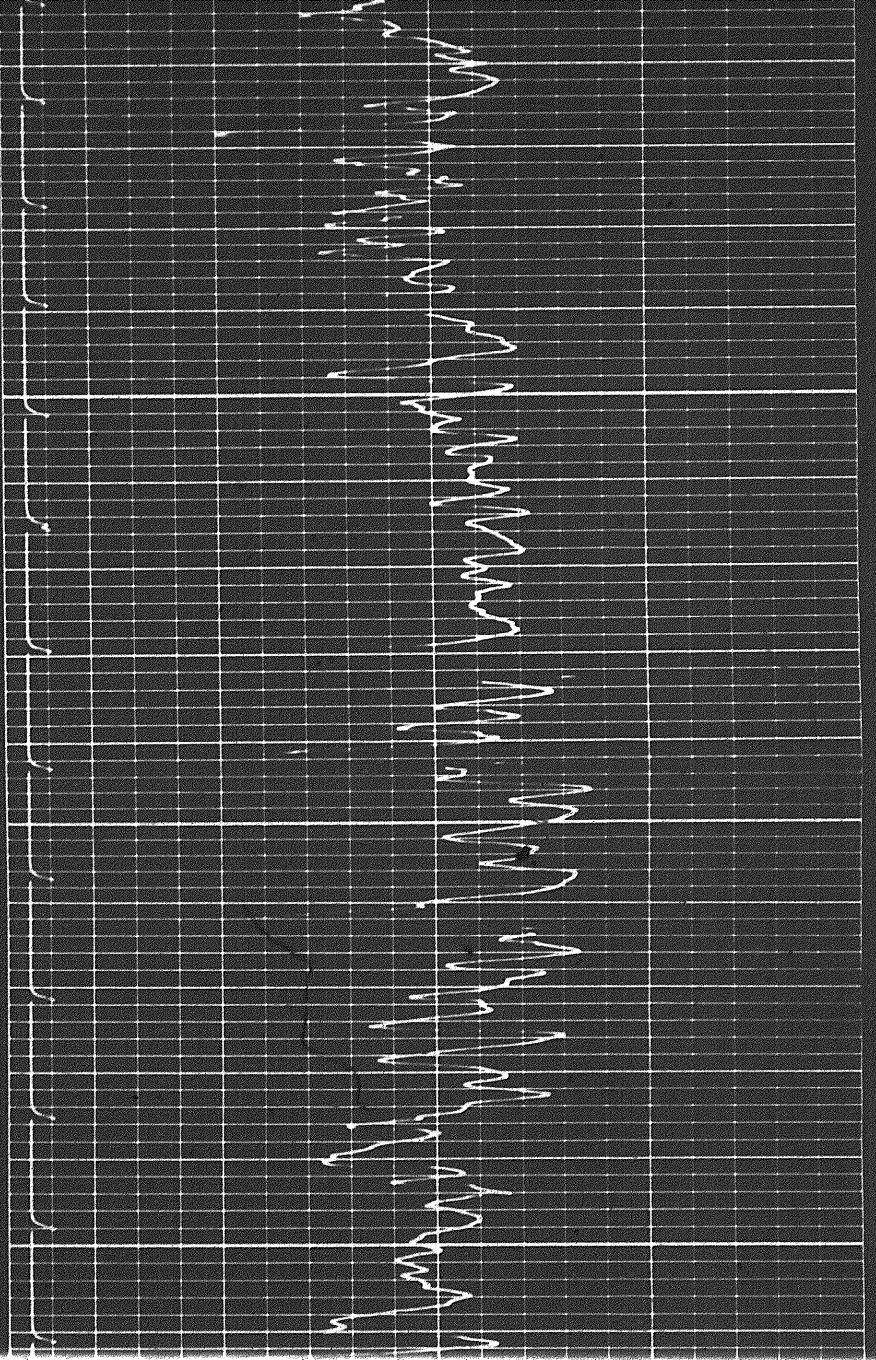
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3300

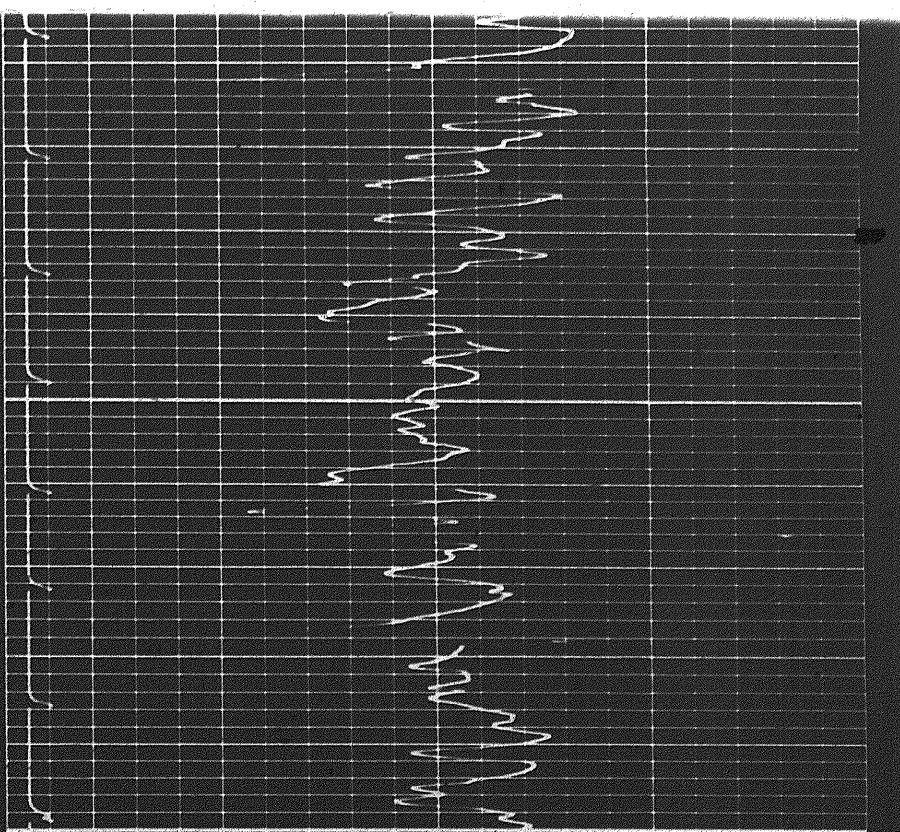
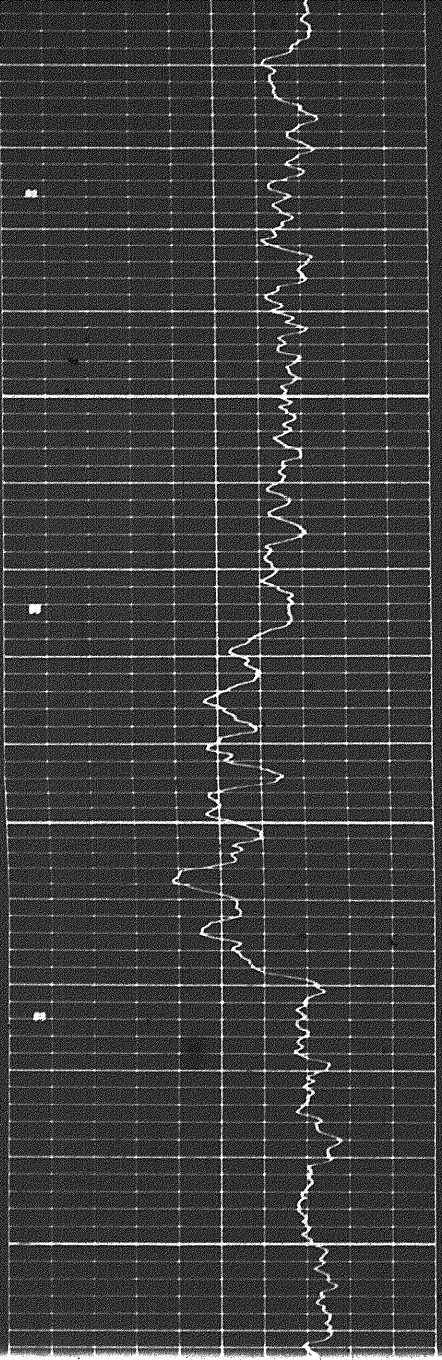
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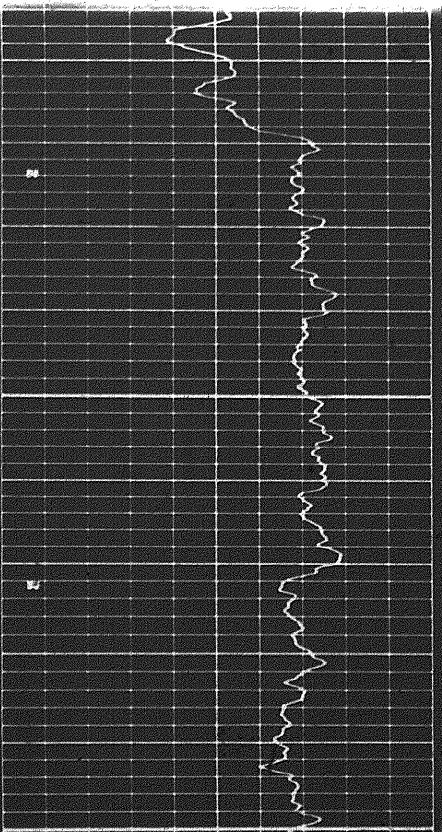




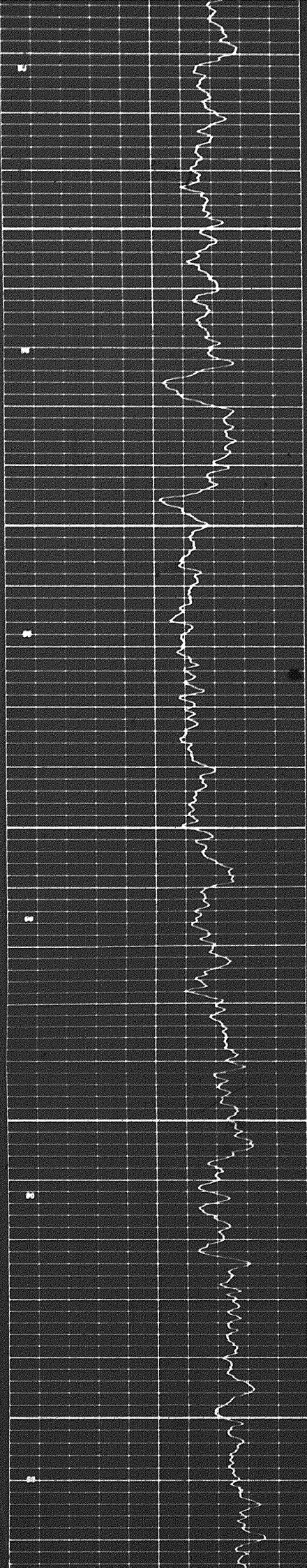
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37



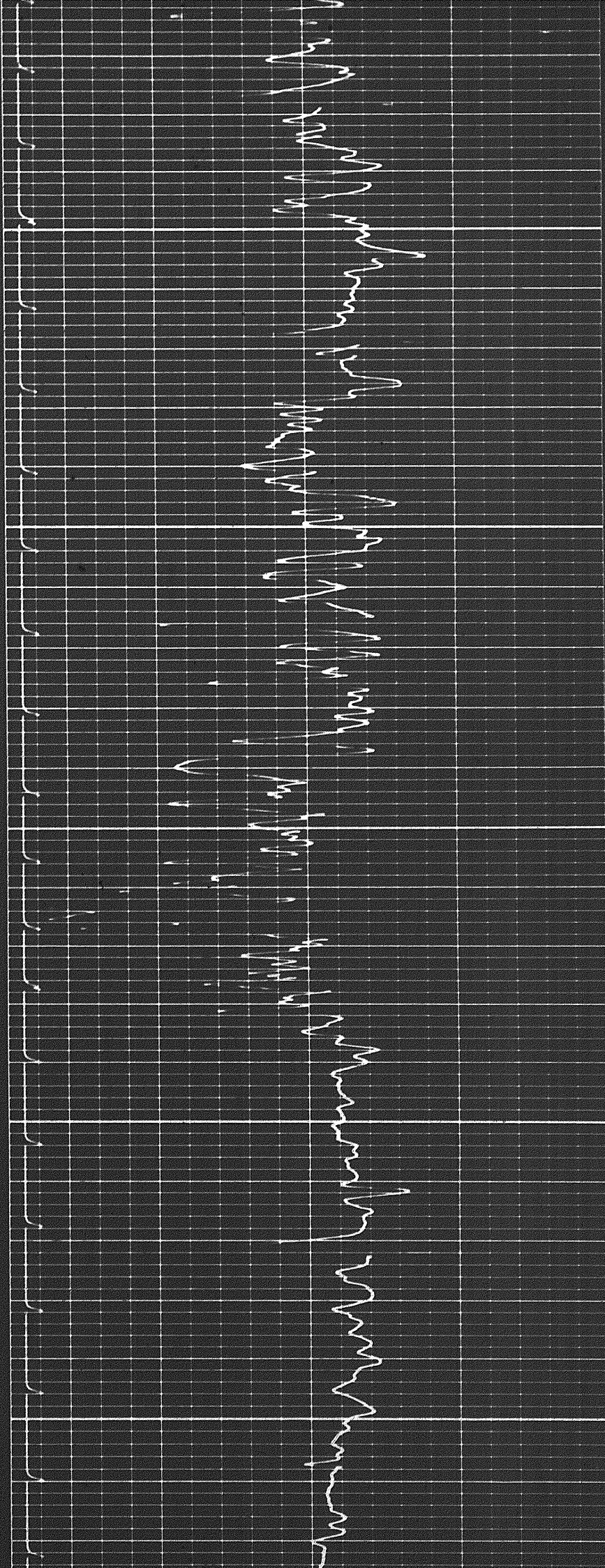




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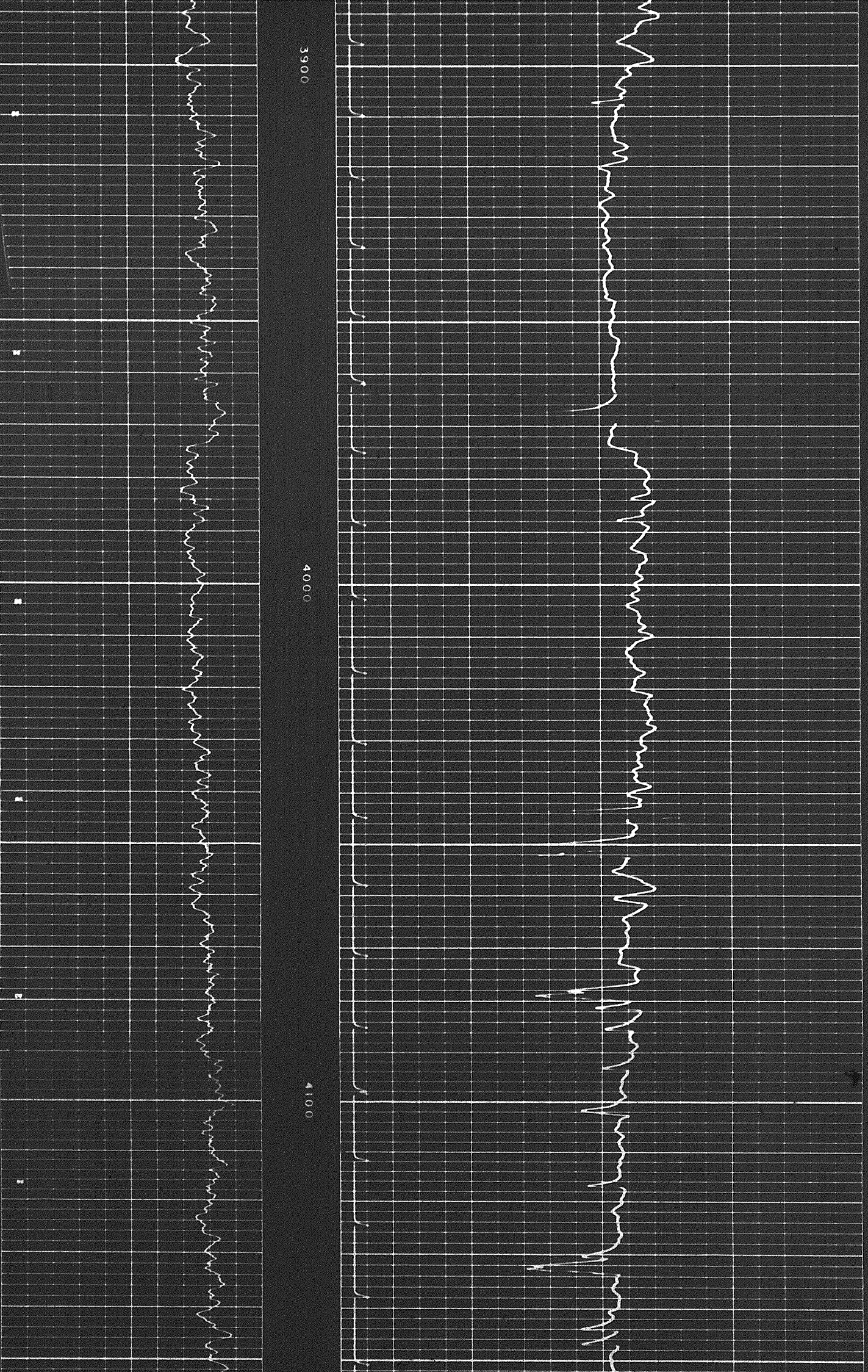
380.0

390.0

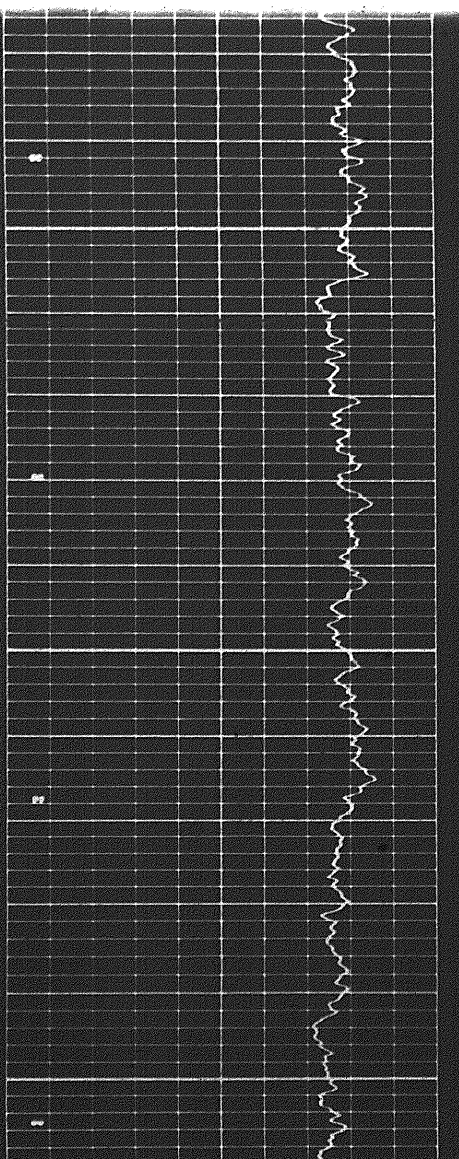
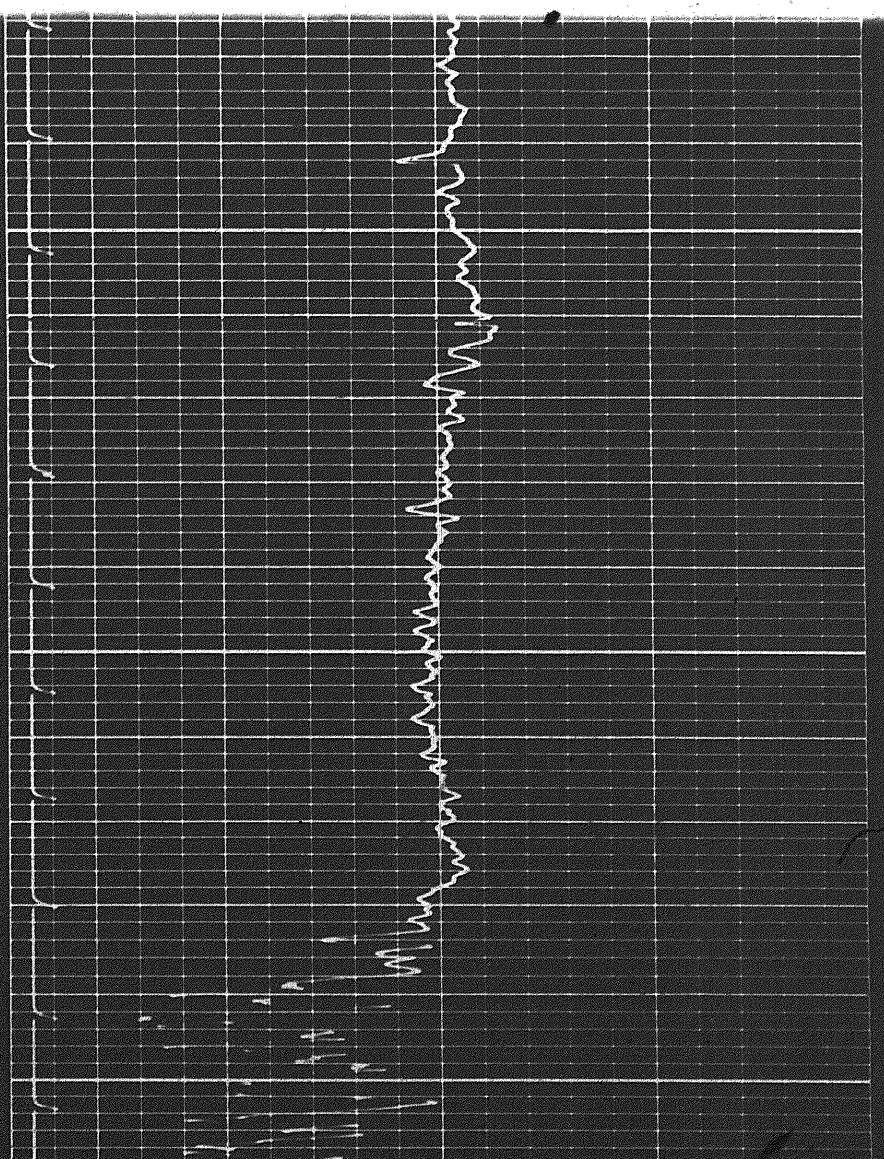
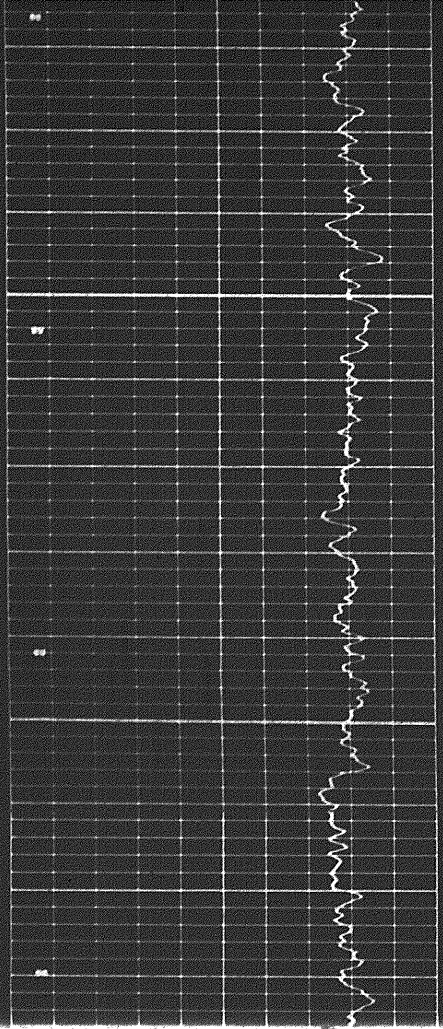
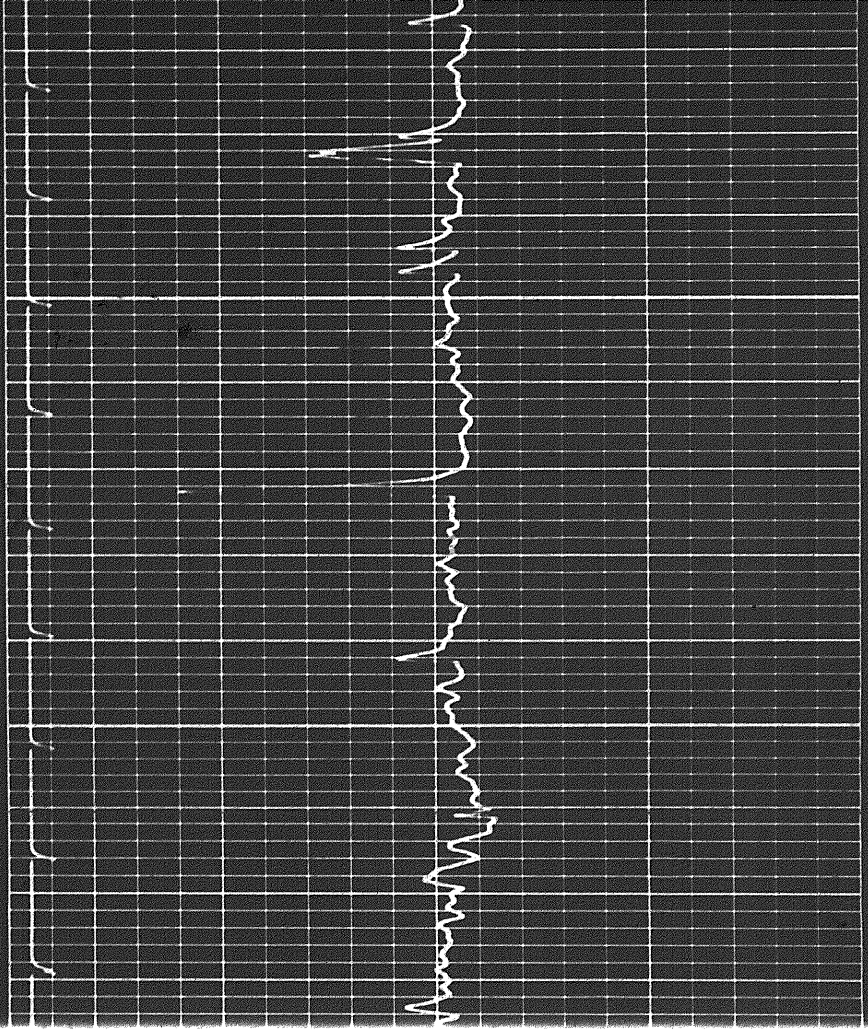




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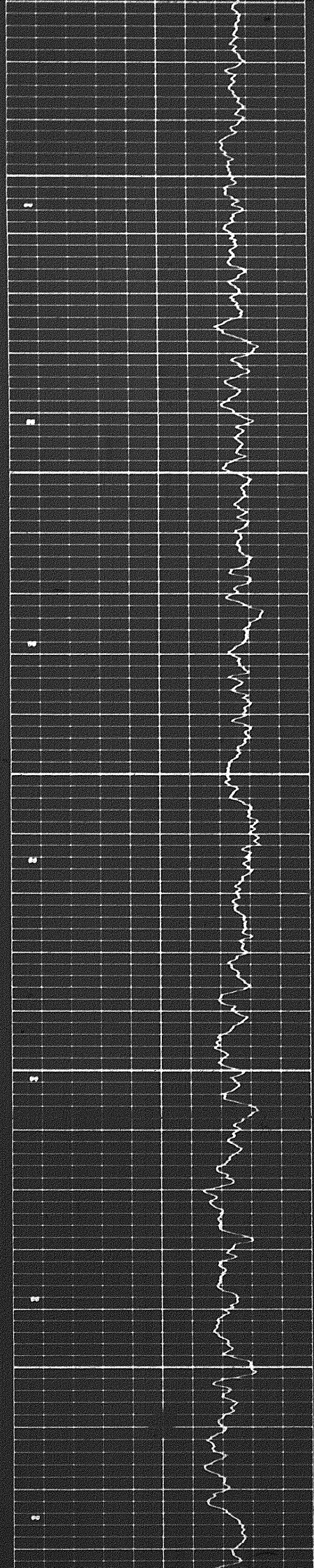








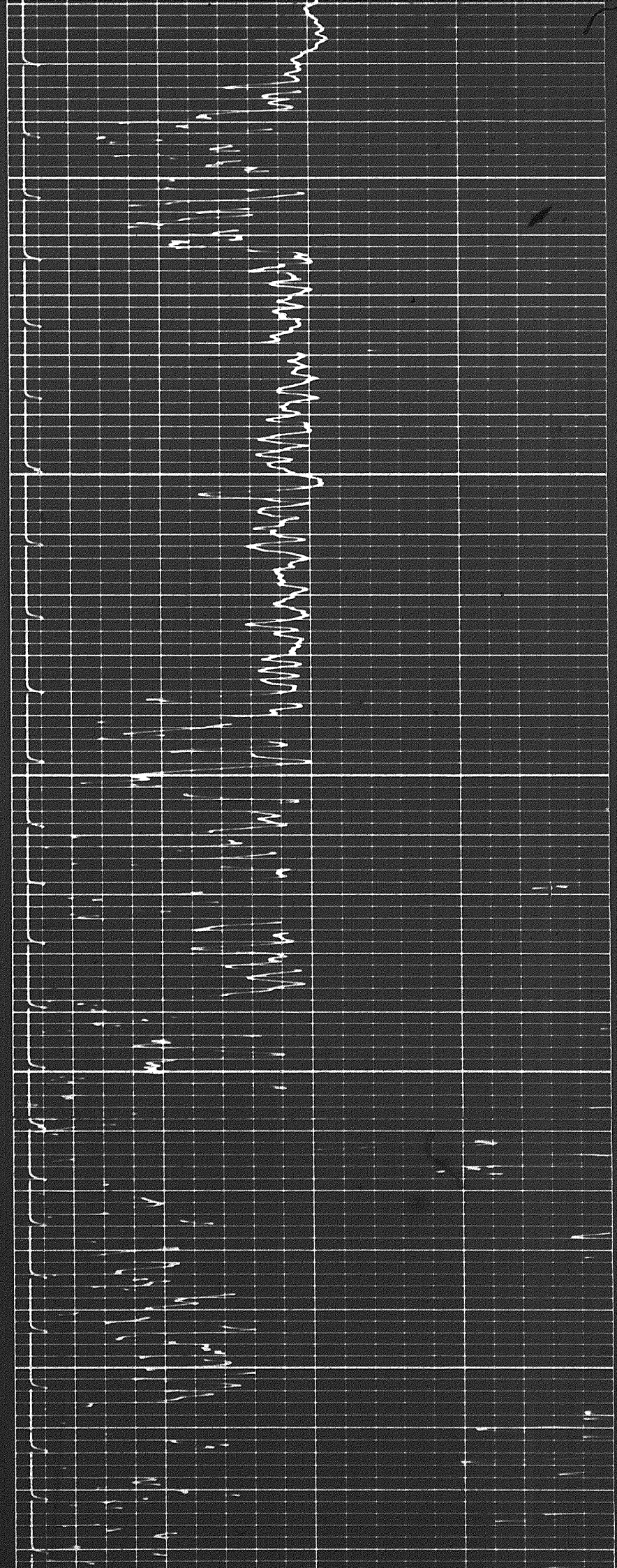
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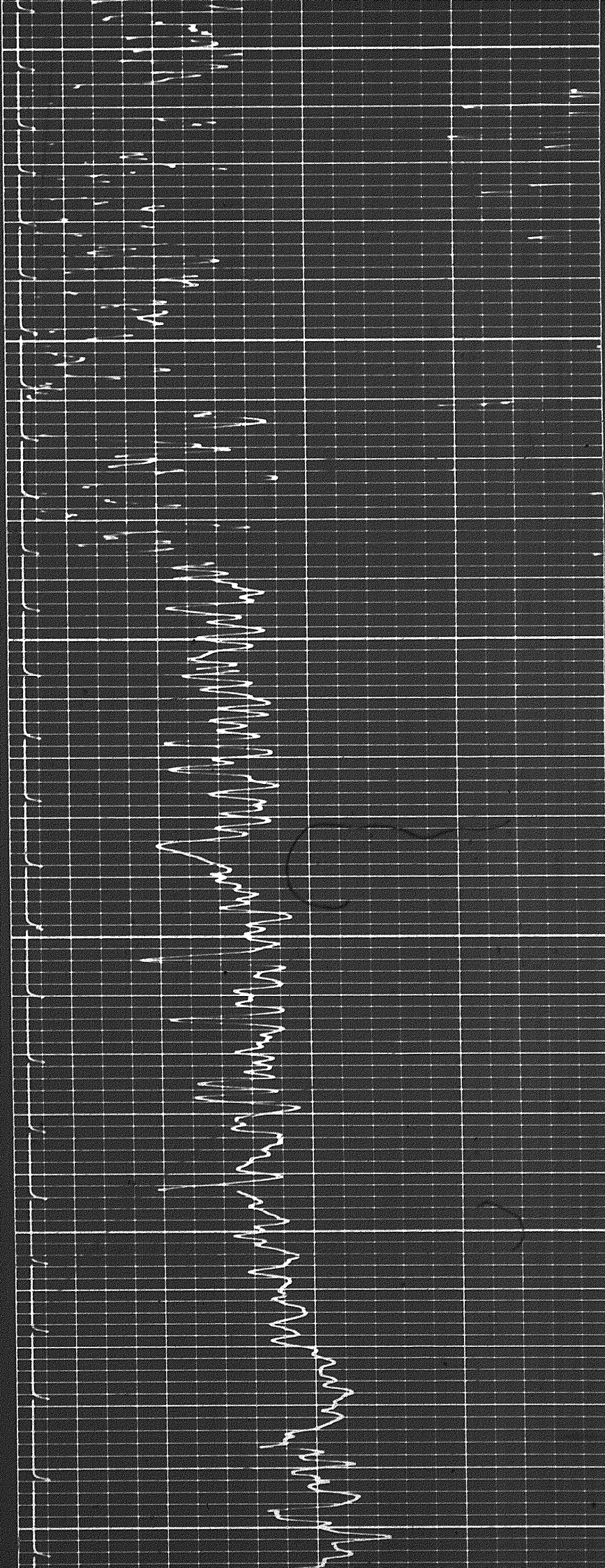
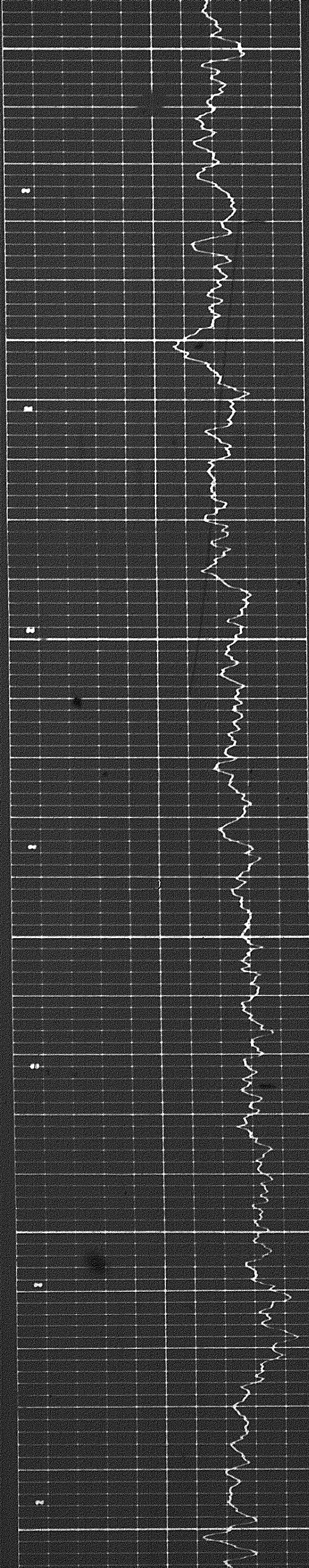




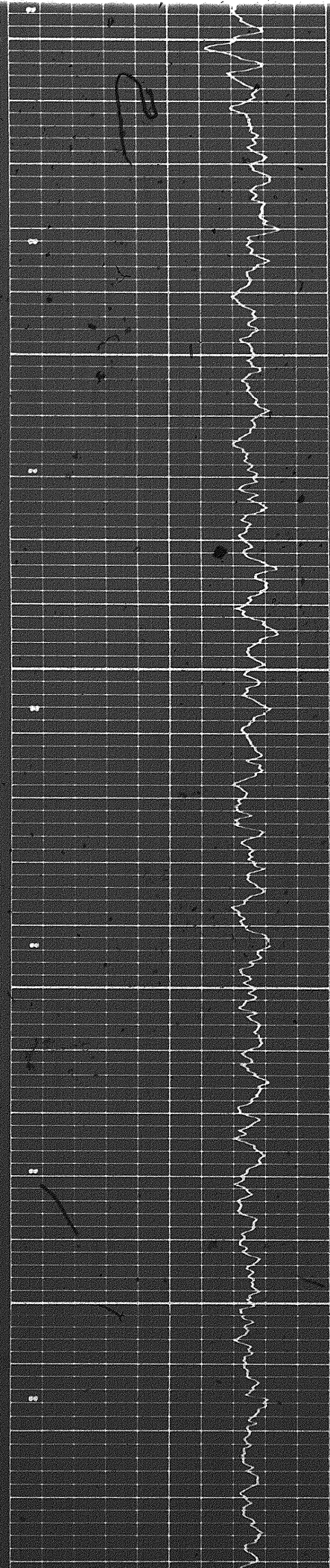
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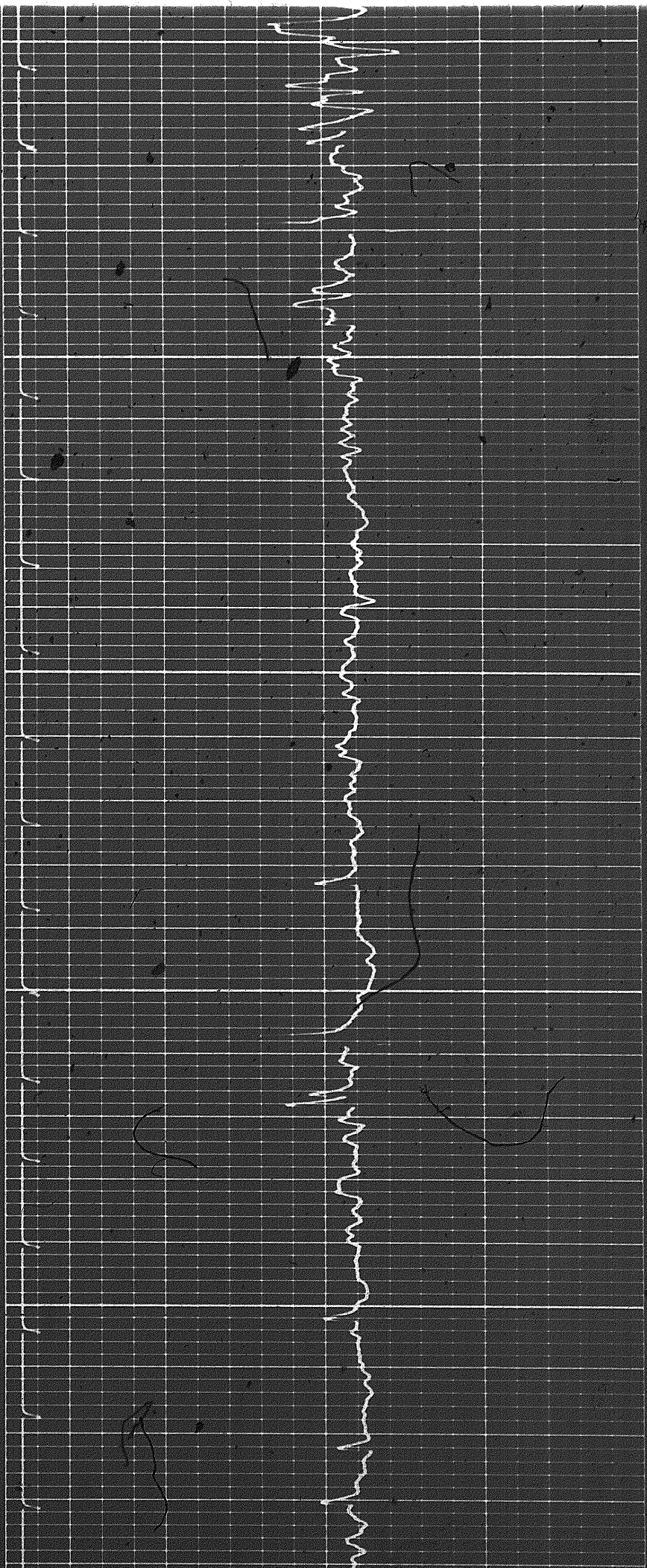






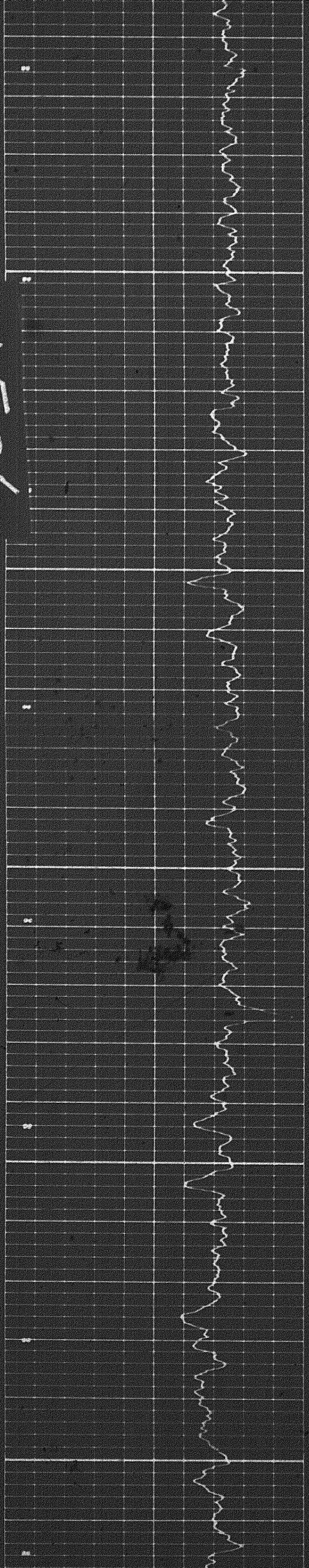
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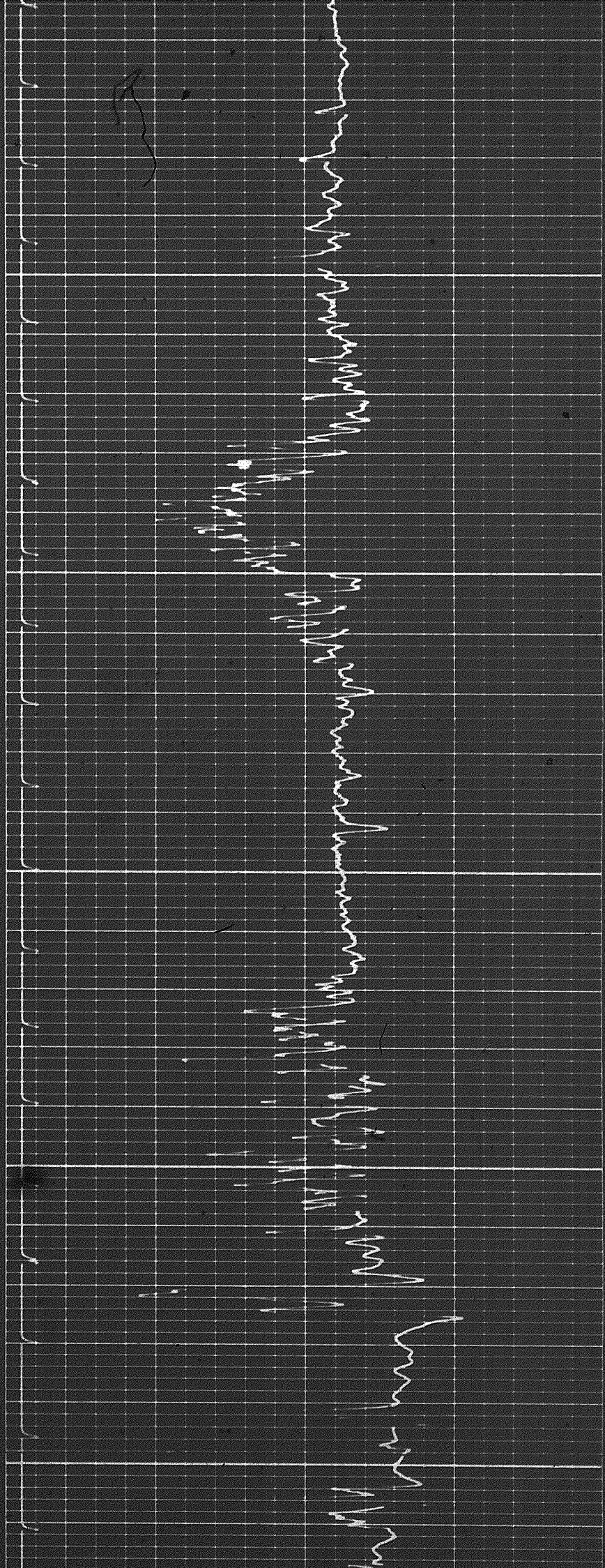
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5000

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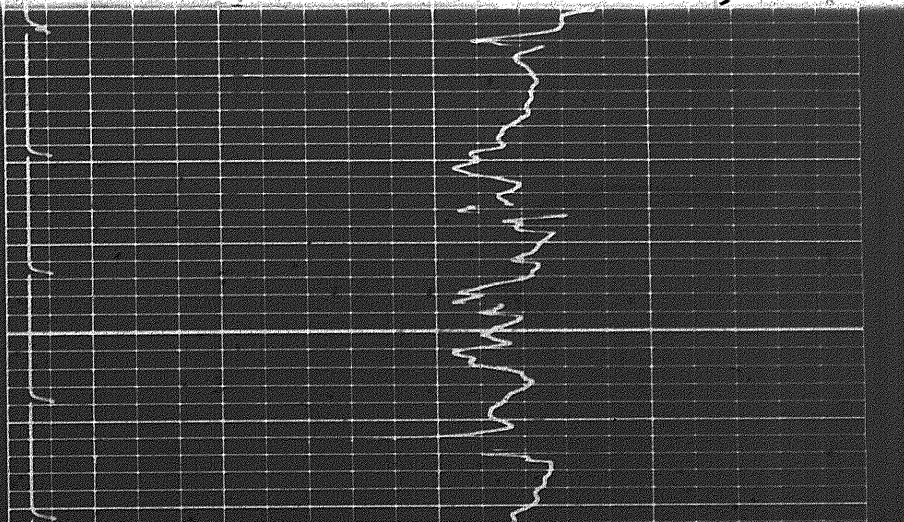
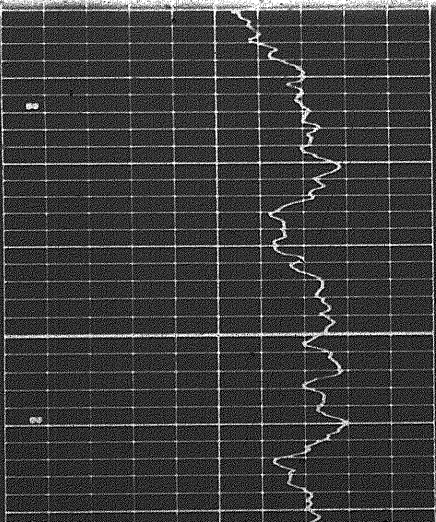
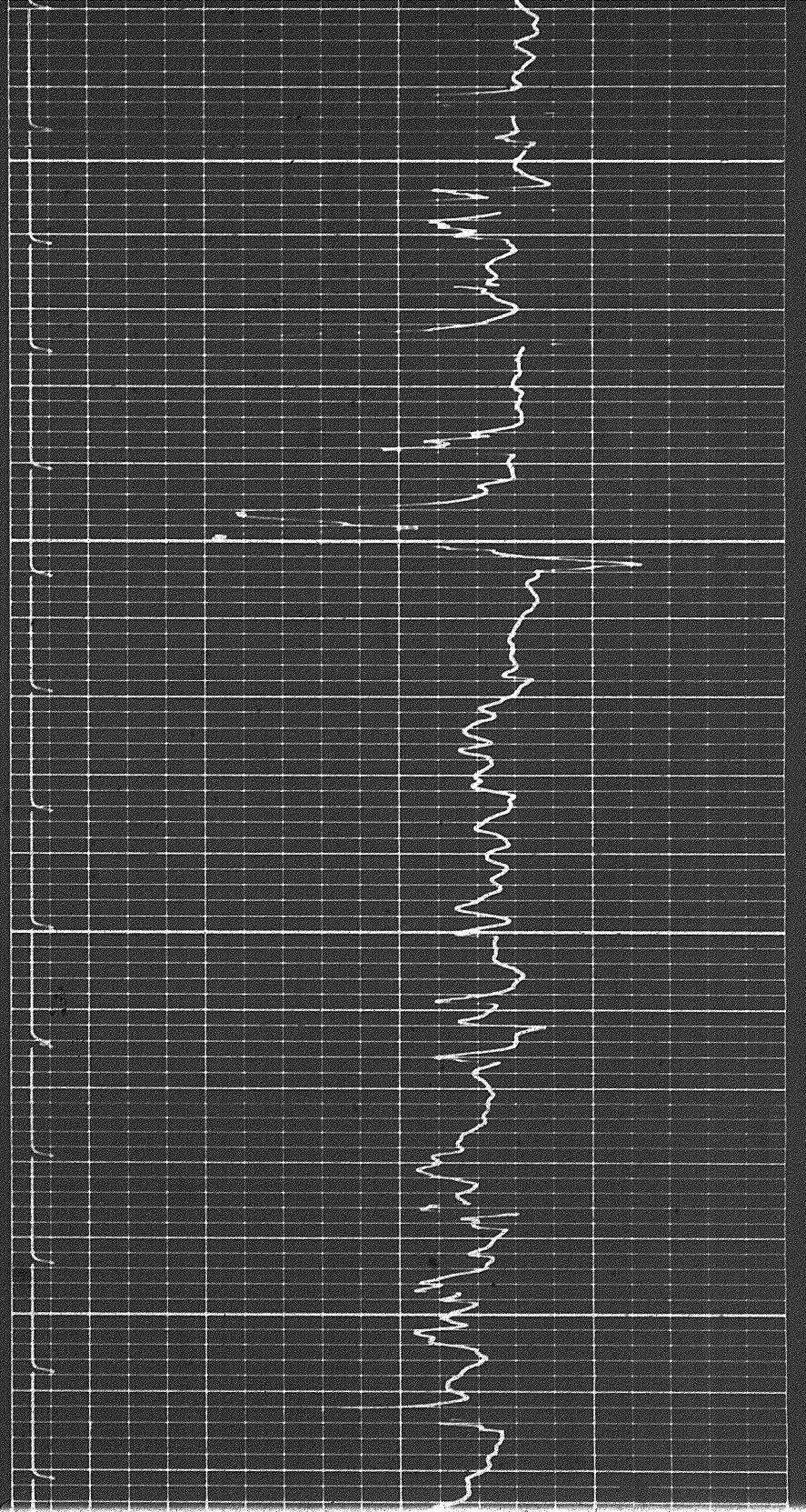
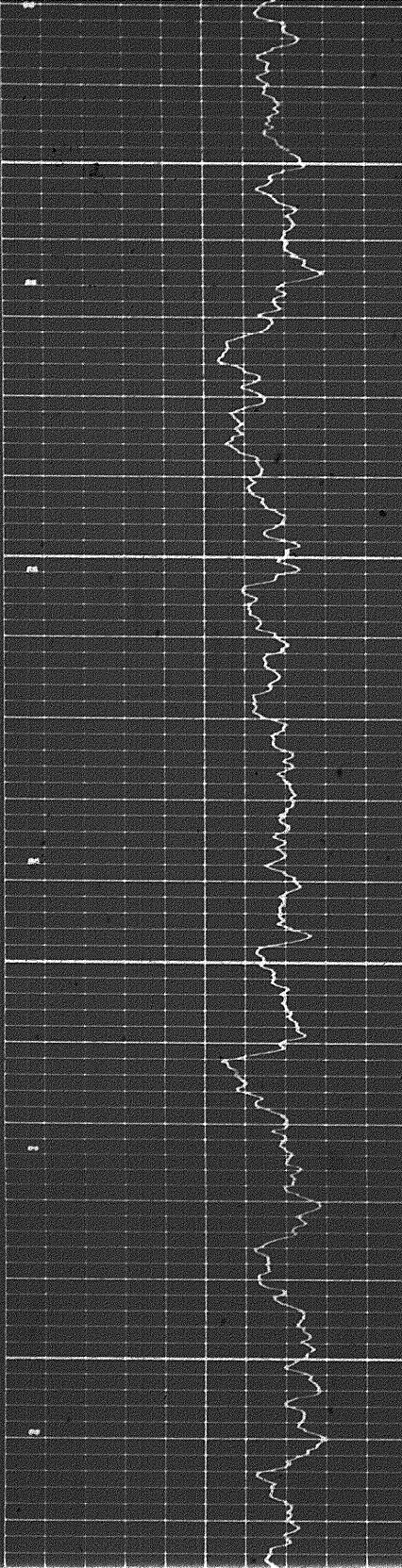
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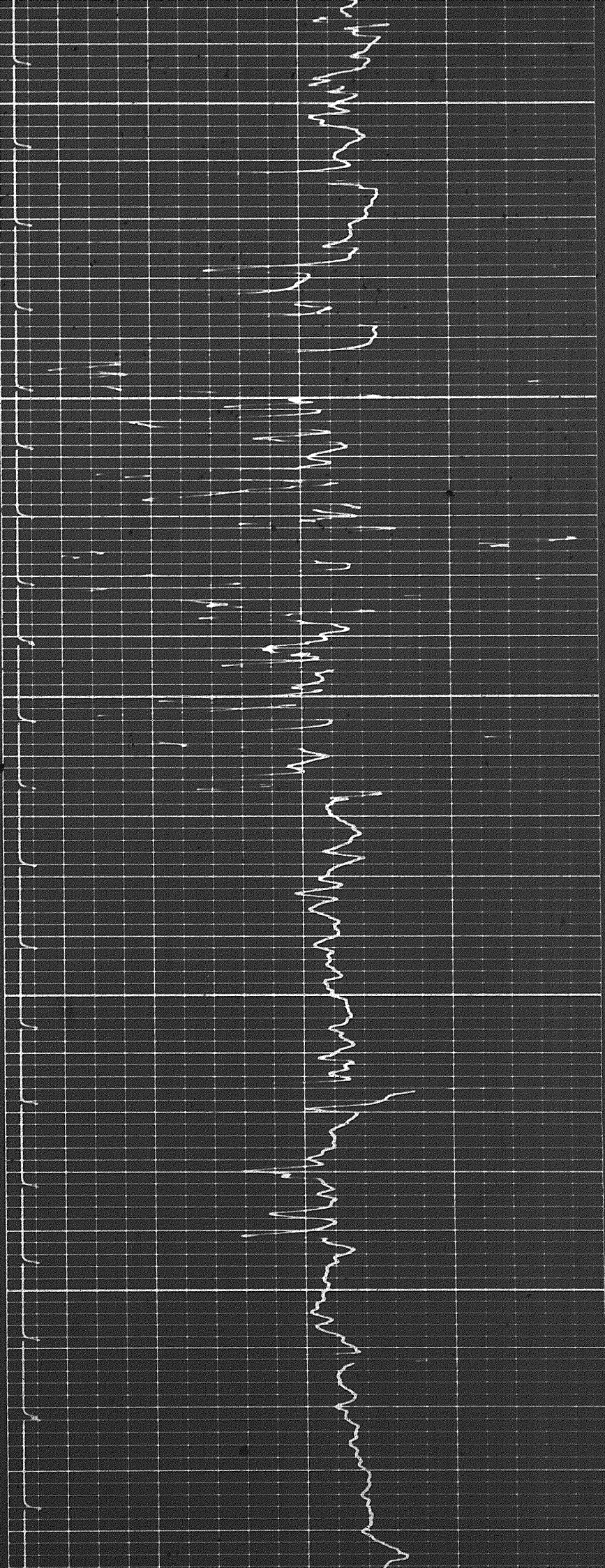


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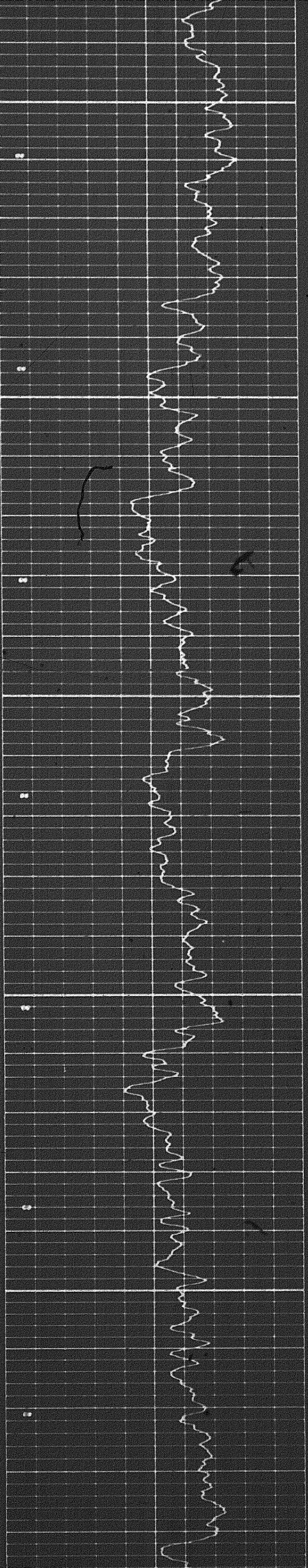






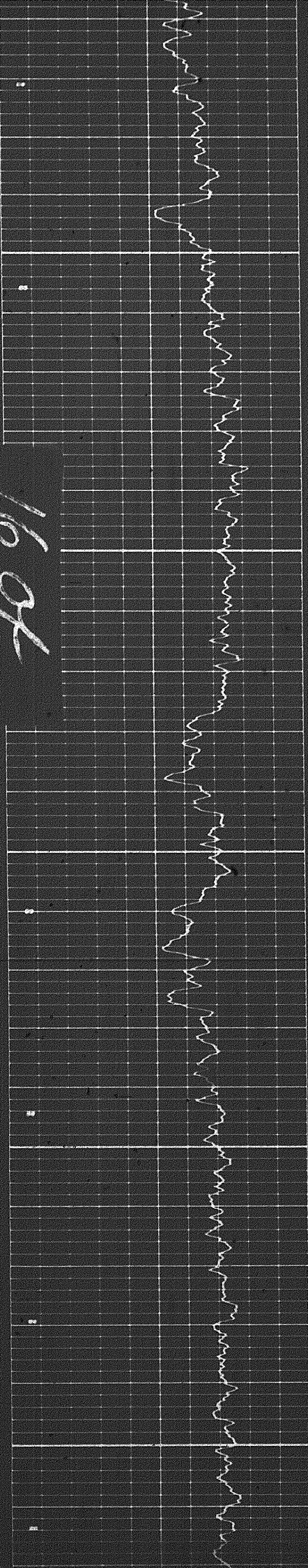
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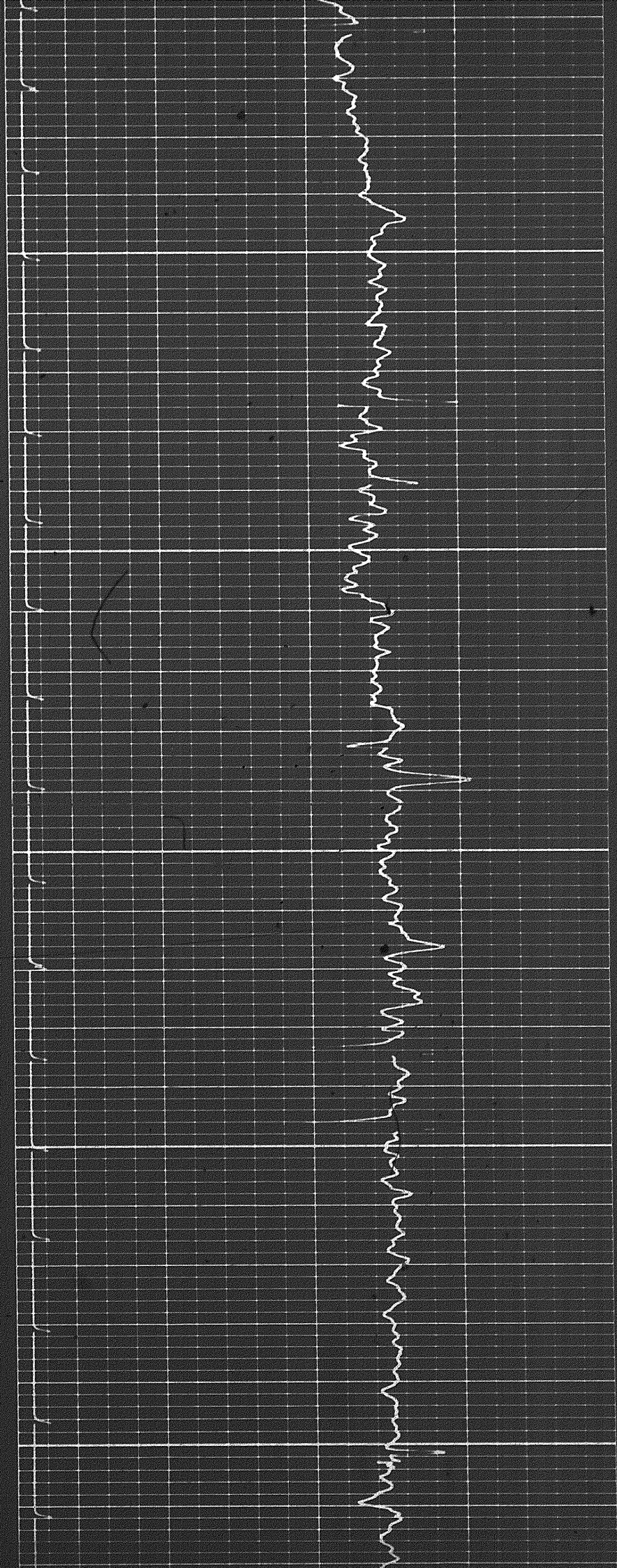
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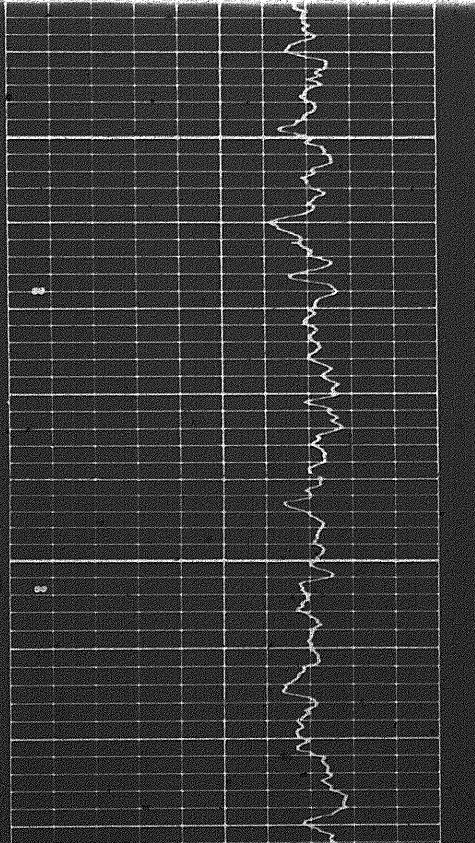
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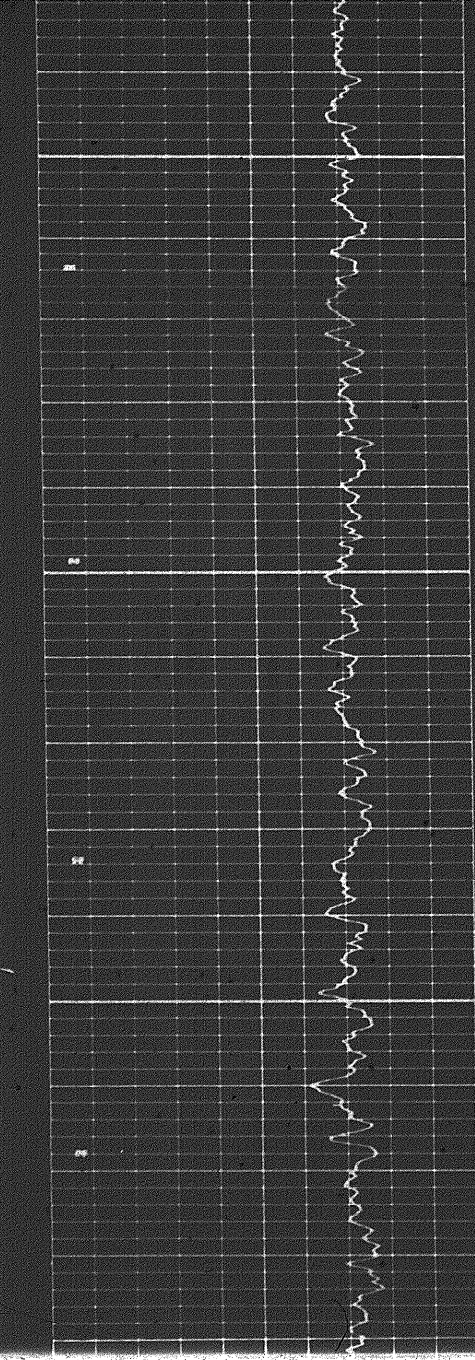
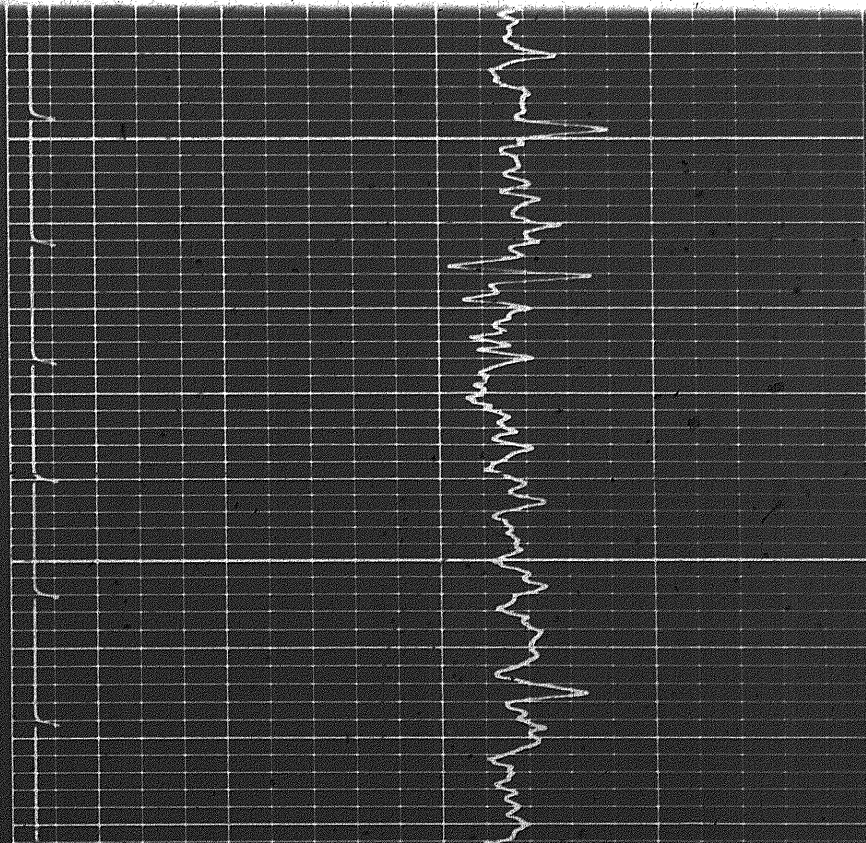
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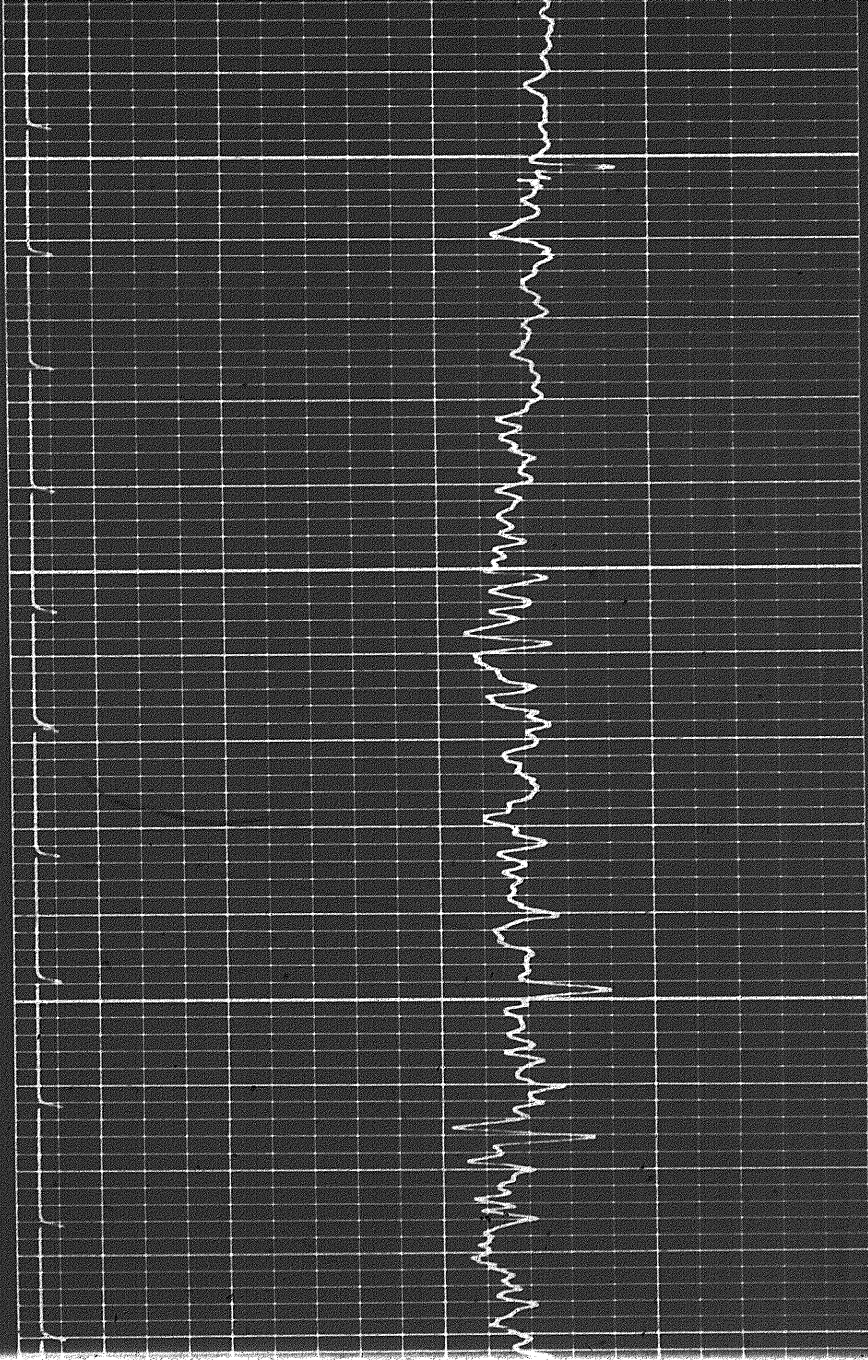




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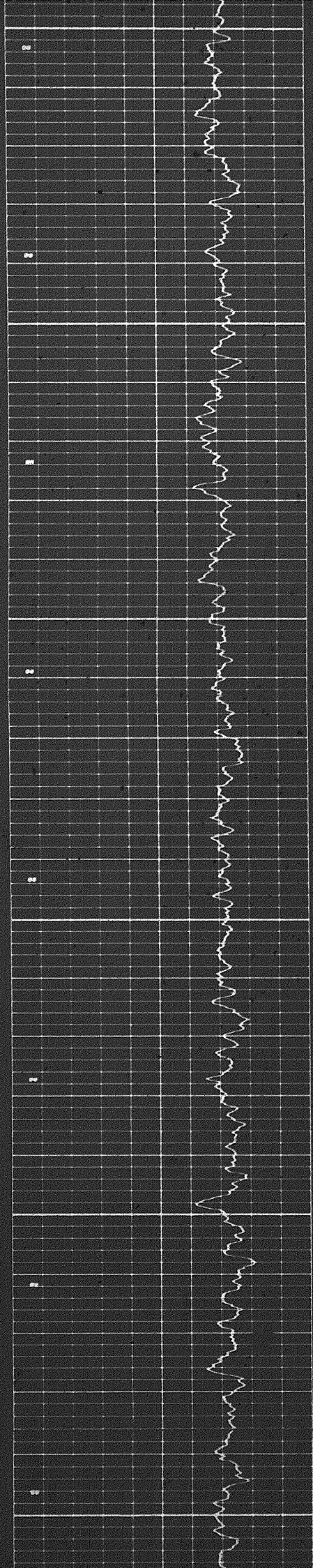


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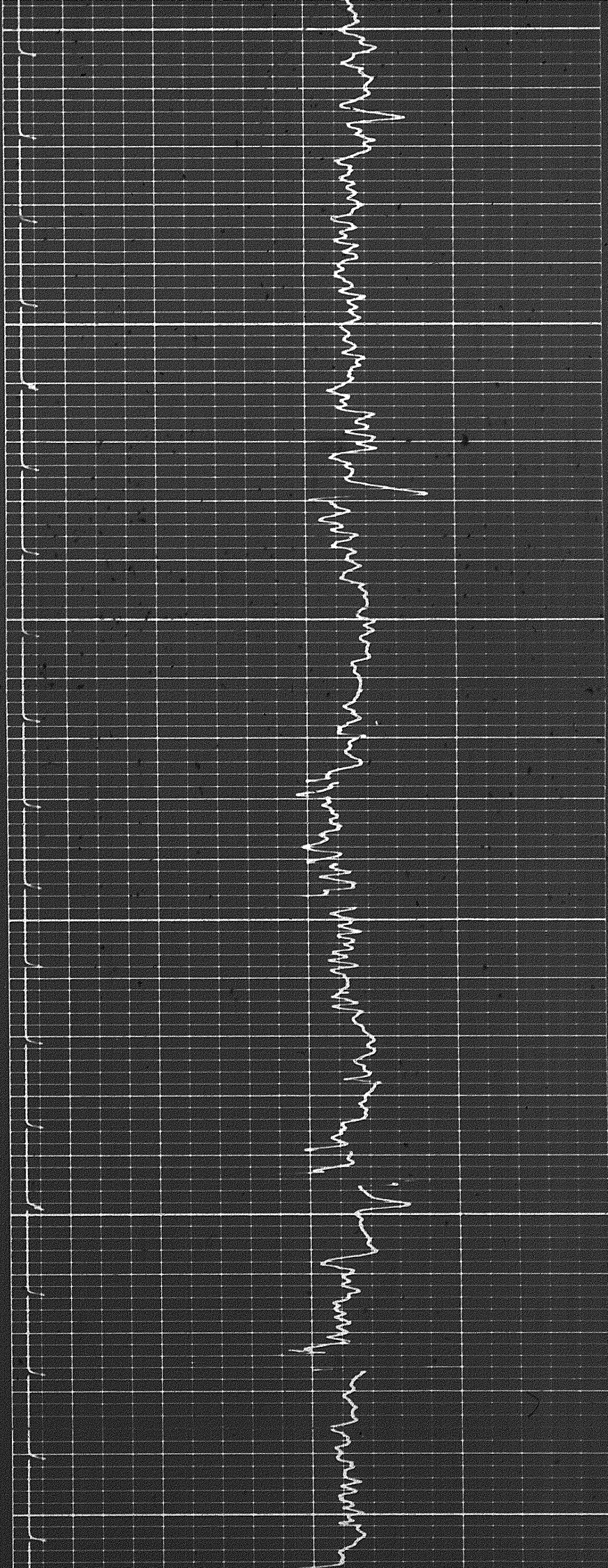




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6200

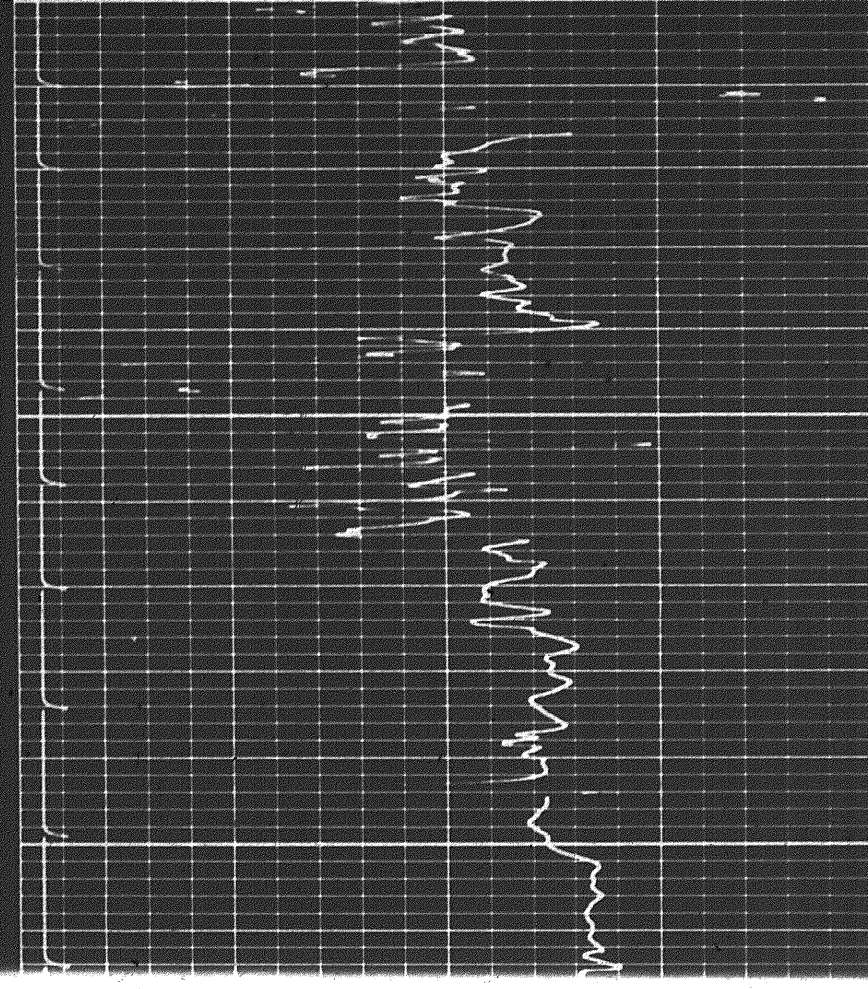
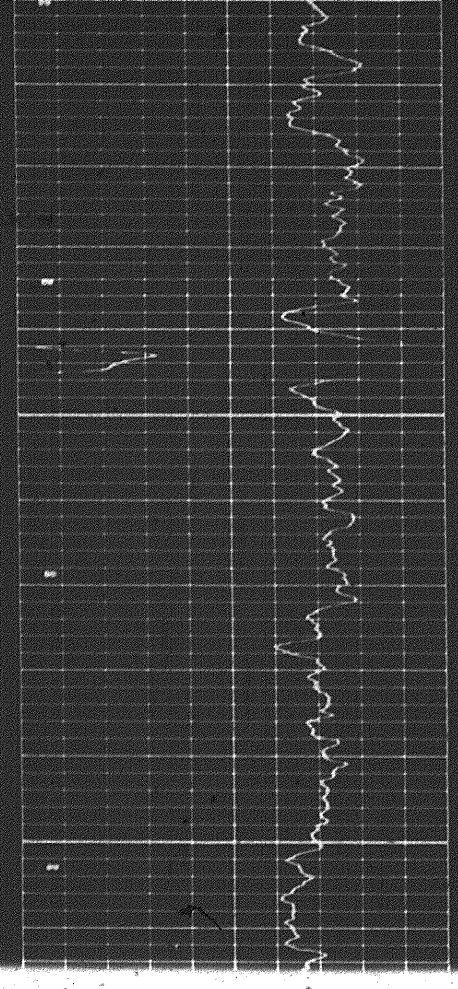
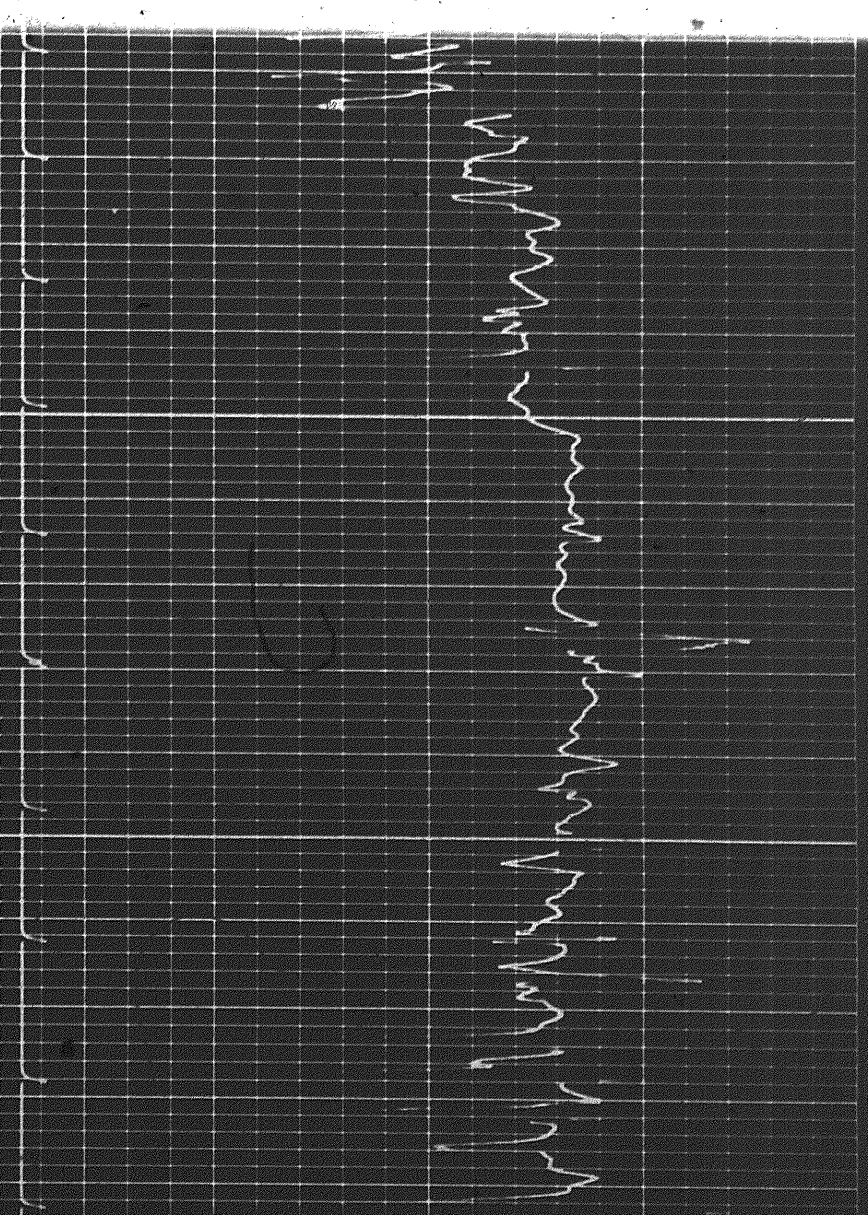
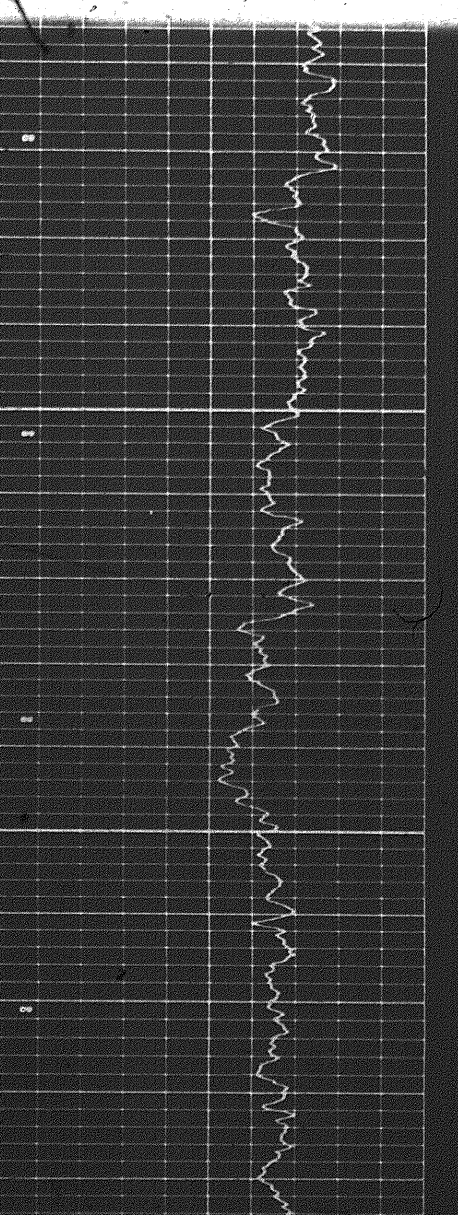




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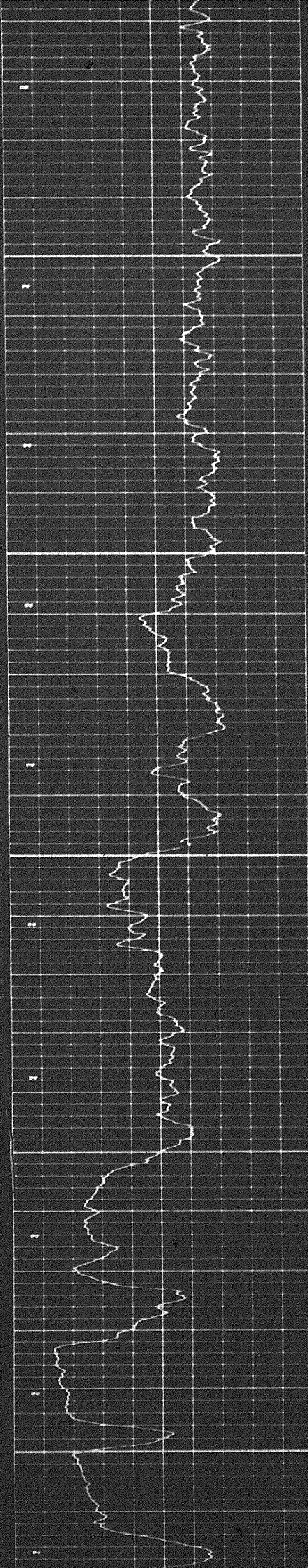
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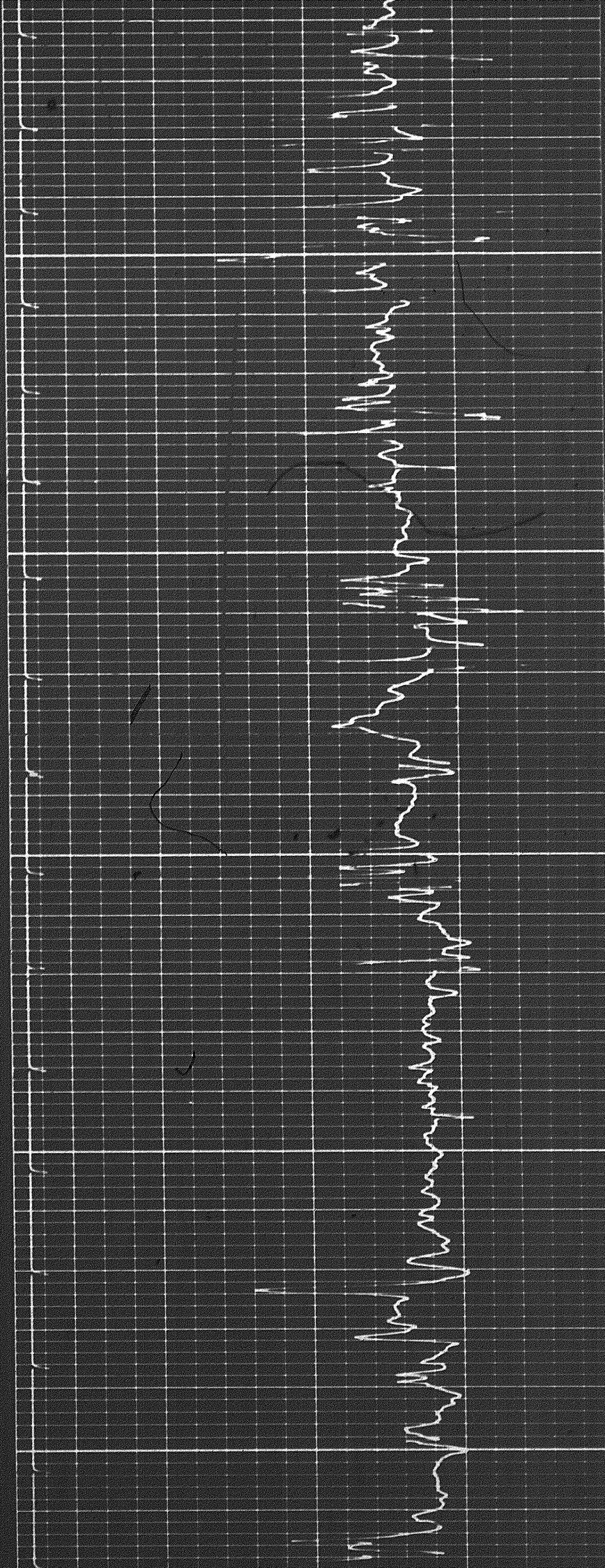
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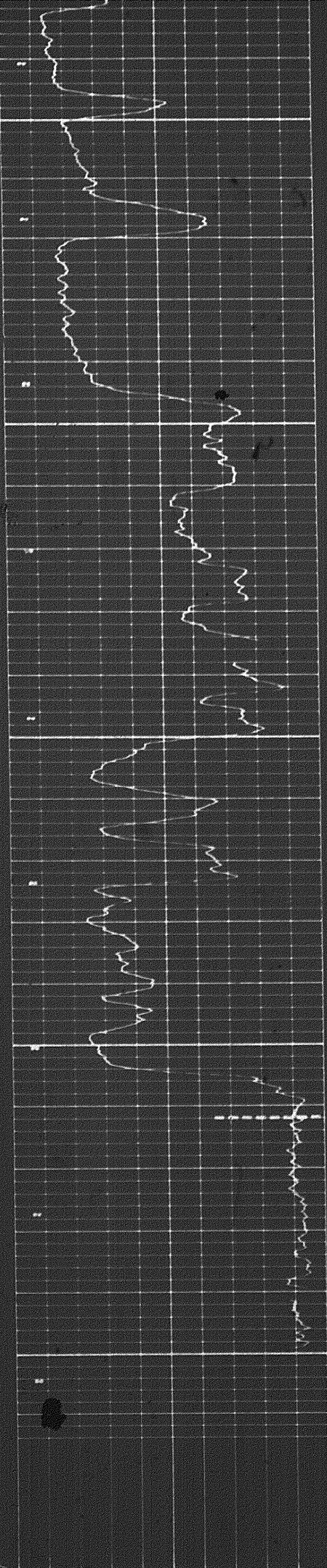
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6700

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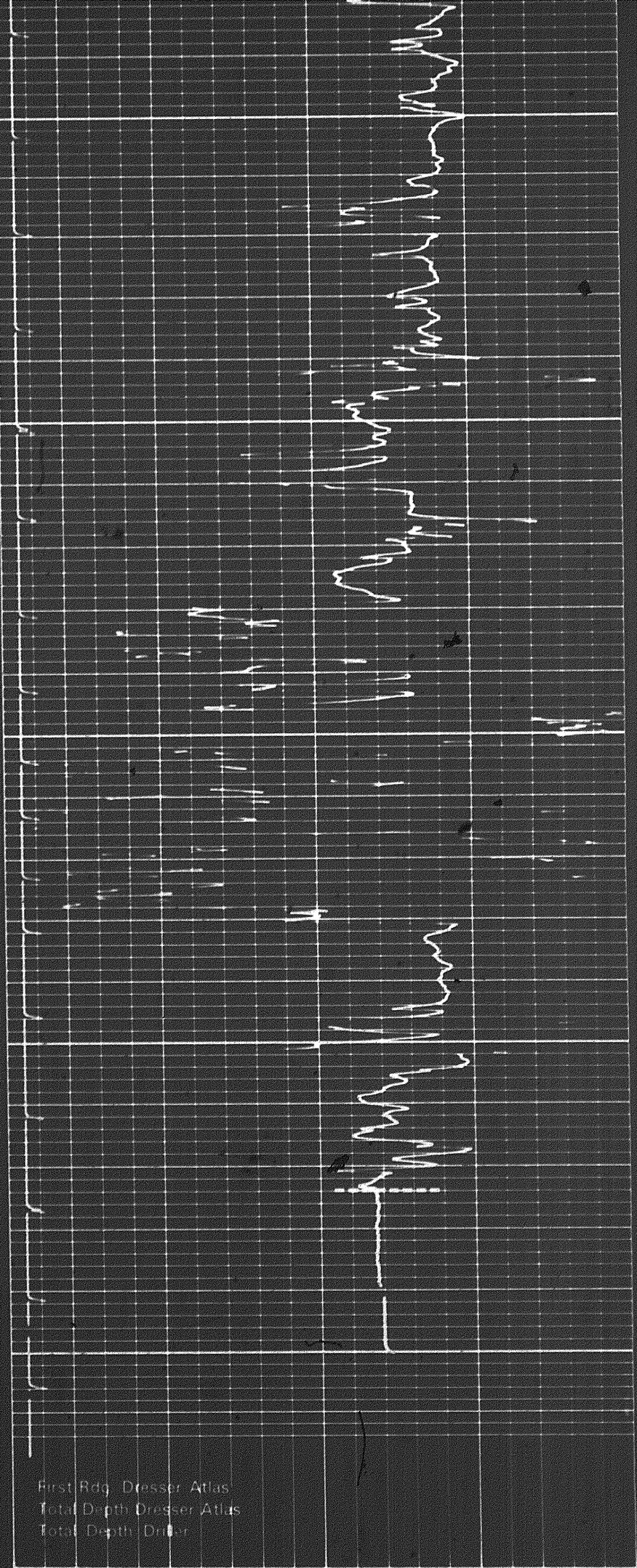


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6900

7000

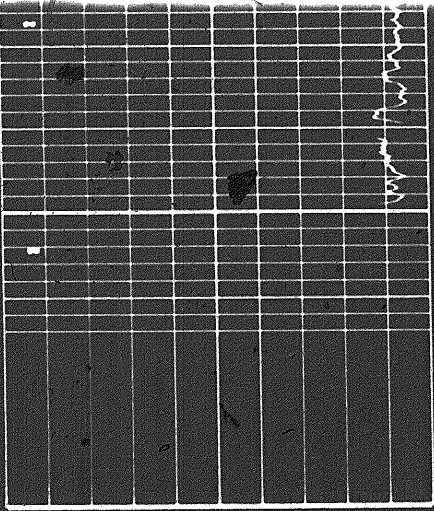
6974'  
6930'  
6930'



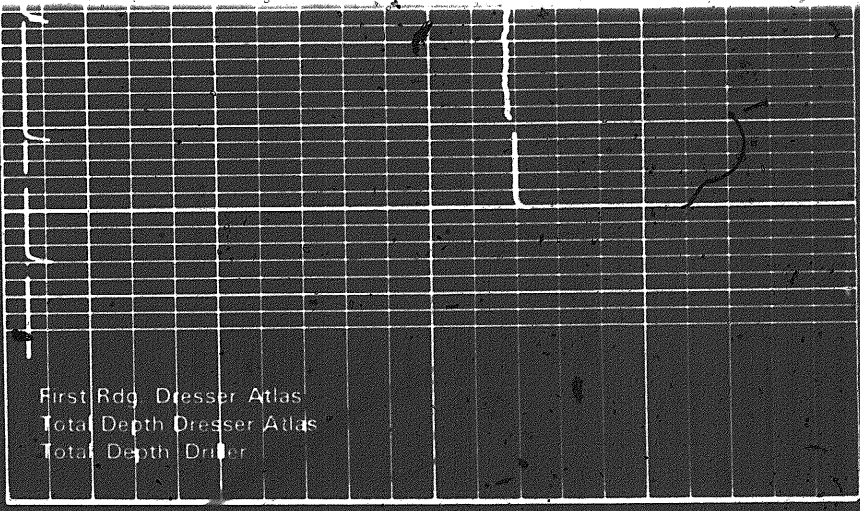
First Rdg. Dresser Atlas  
Total Depth Dresser Atlas  
Total Depth Driller

REPEAT SECTION





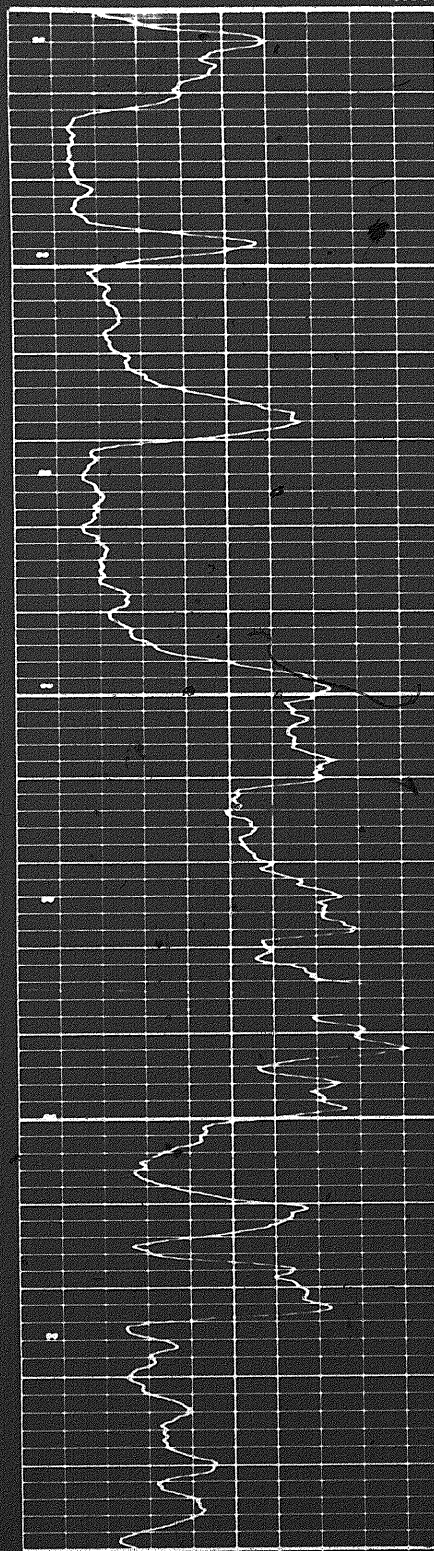
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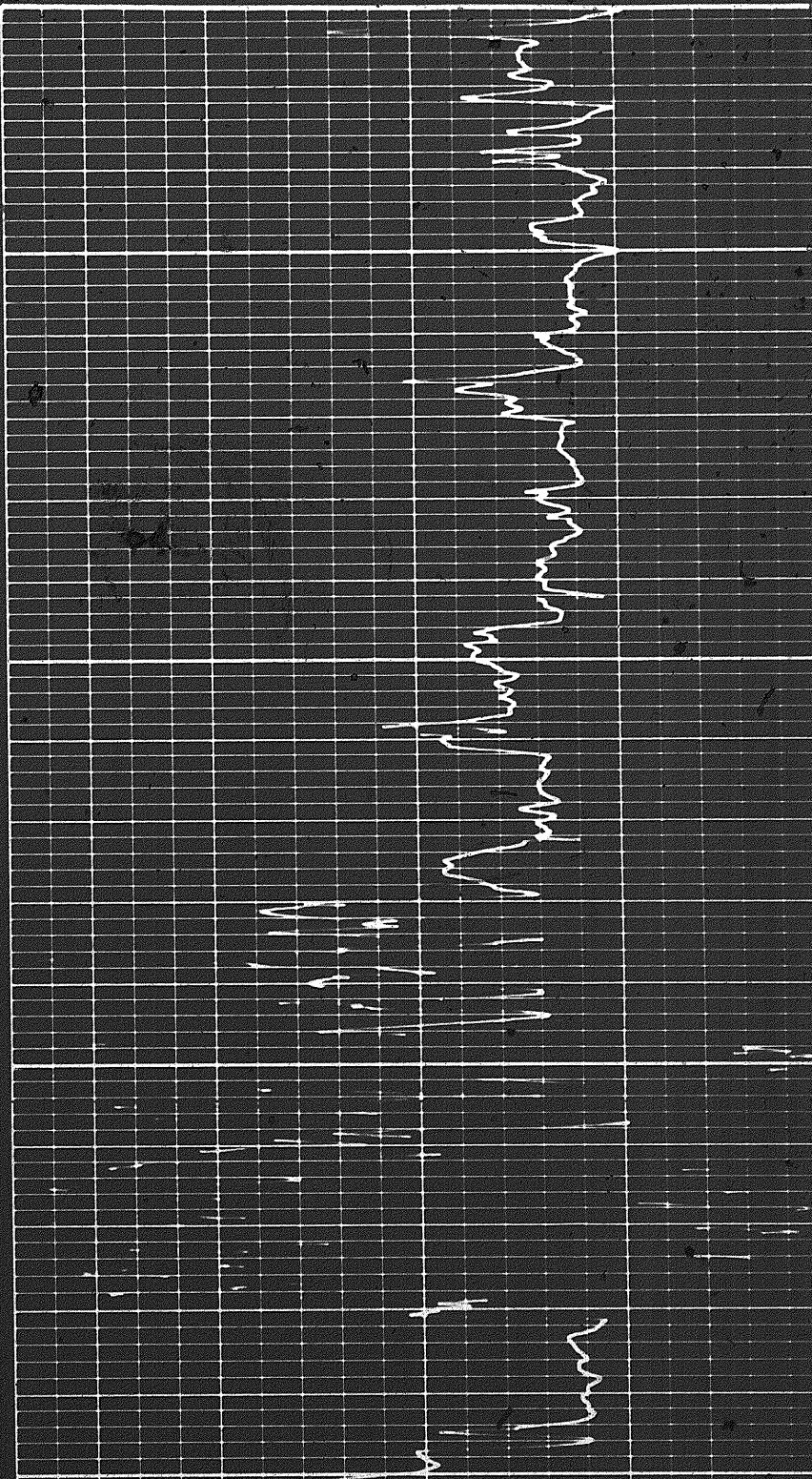
6974'  
6980'  
6980'

First Rdg. Dresser Atlas  
Total Depth Dresser Atlas  
Total Depth Driller

REPEAT SECTION

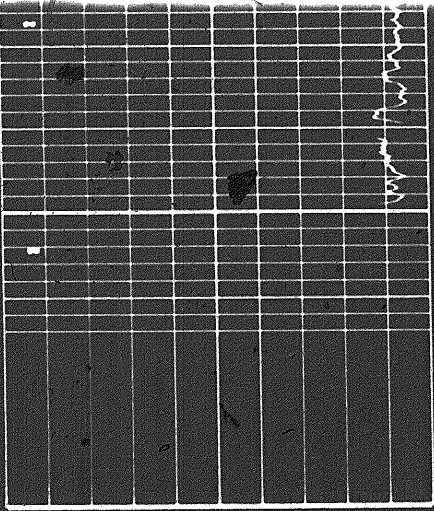


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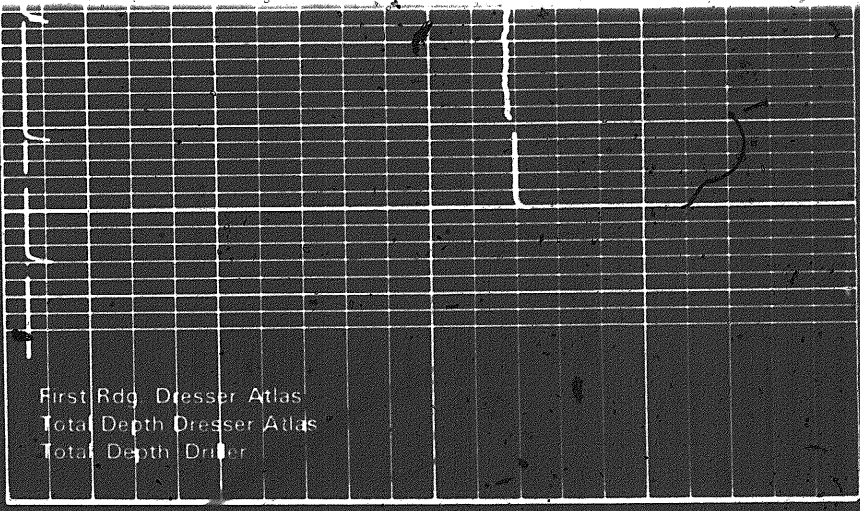


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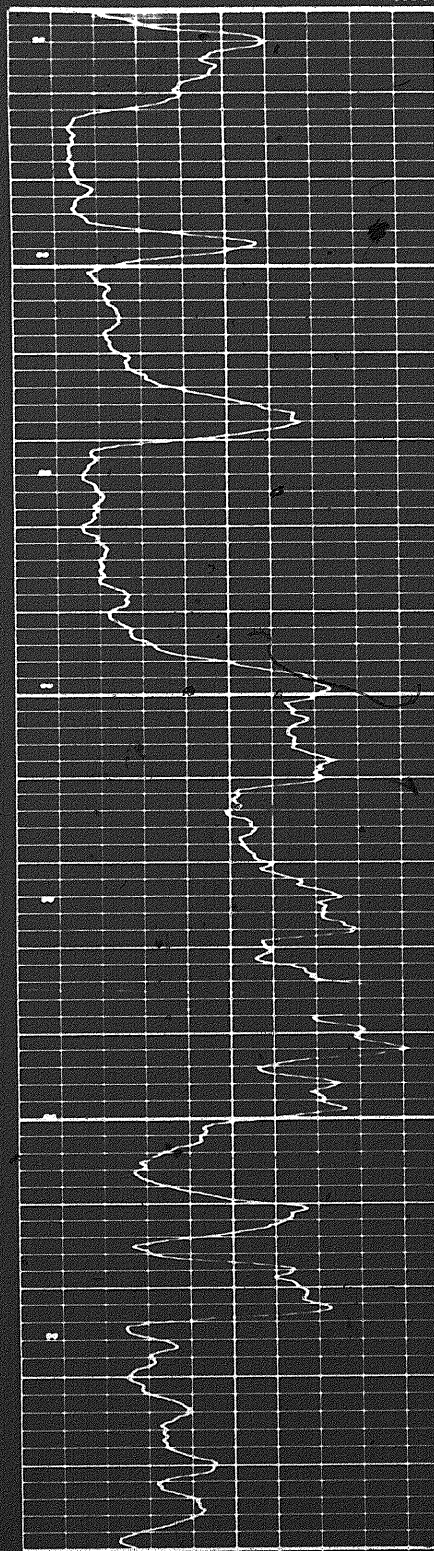
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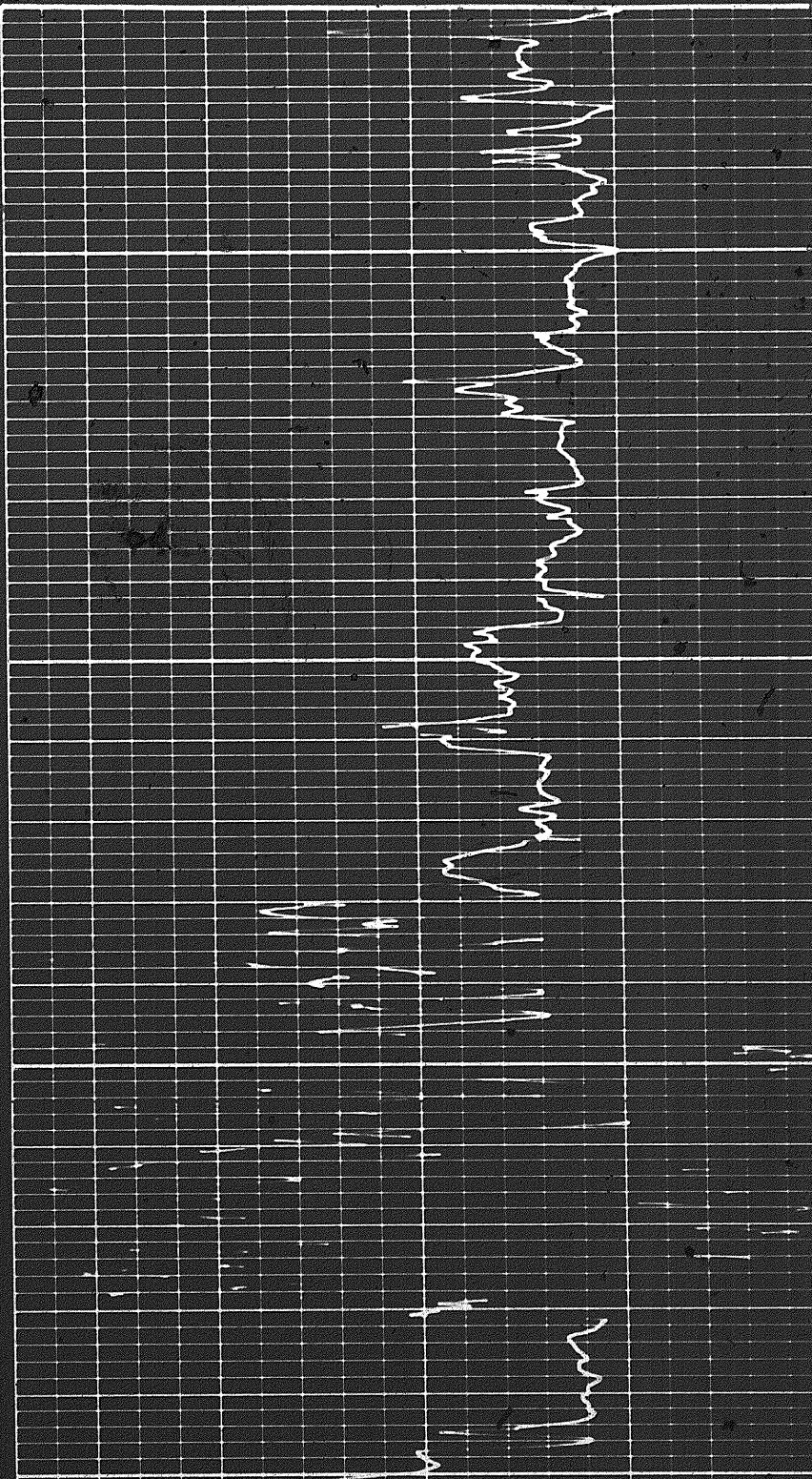
6974'  
6980'  
6980'

First Rdg Dresser Atlas  
Total Depth Dresser Atlas  
Total Depth Driller

REPEAT SECTION



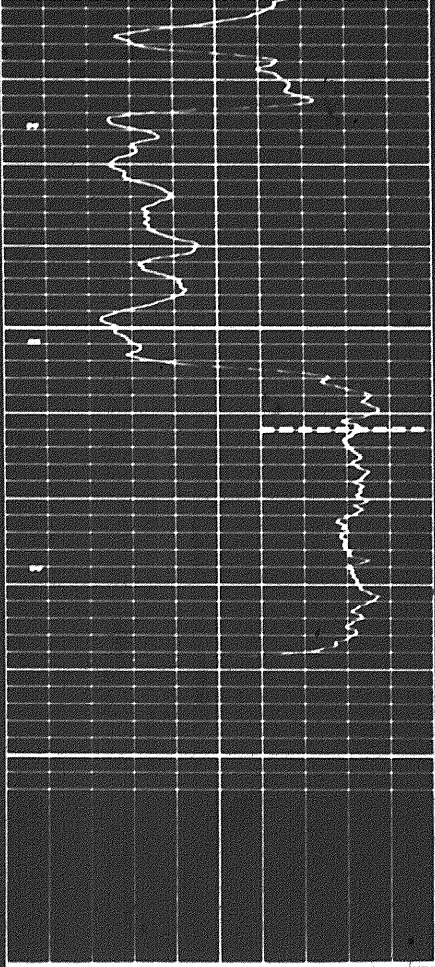
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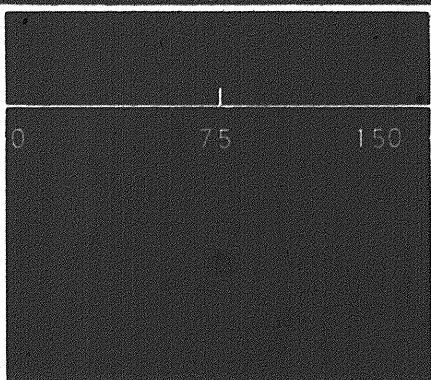
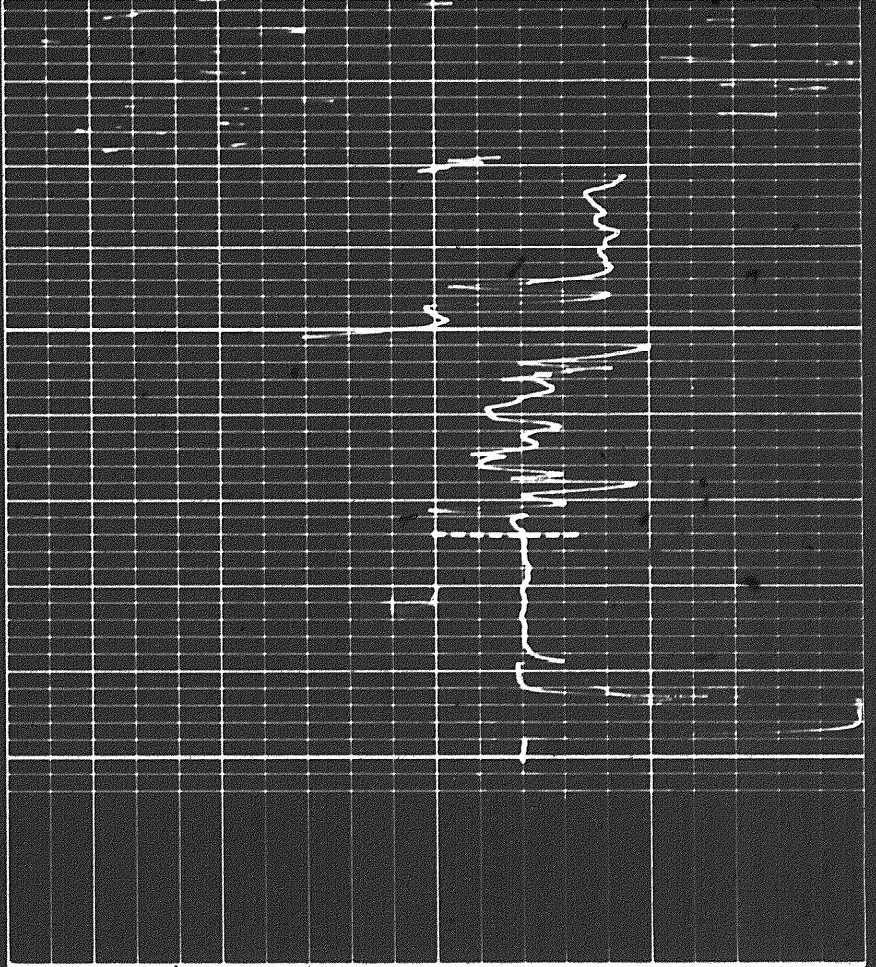
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1961



7000



**GAMMA RAY**  
API UNITS

**DEPTH**

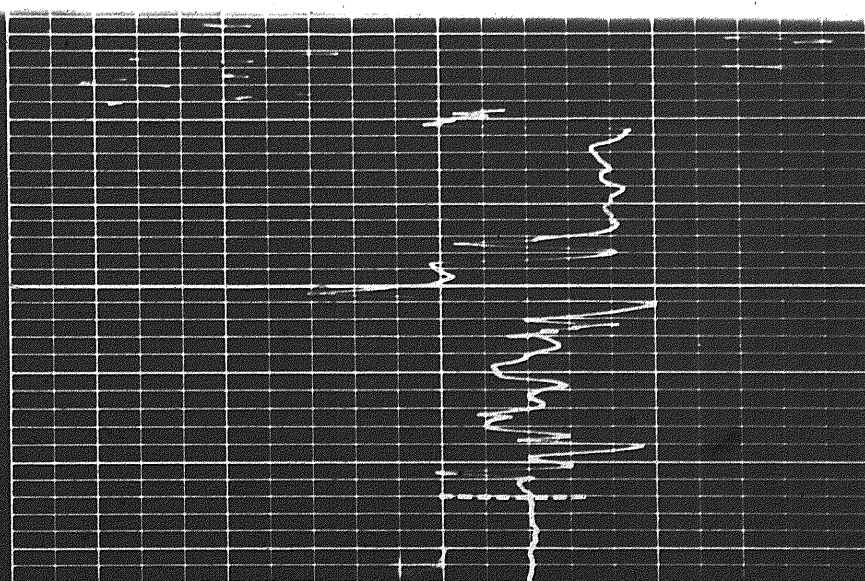
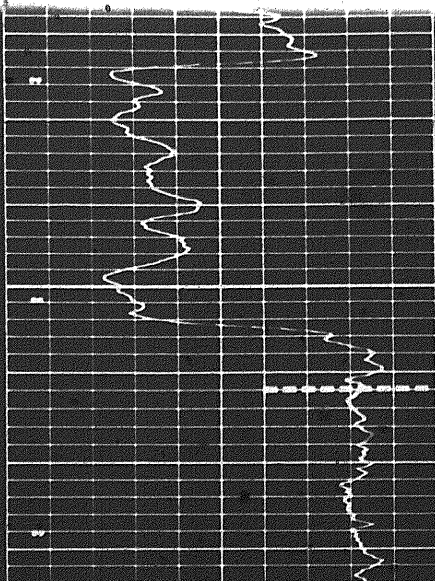
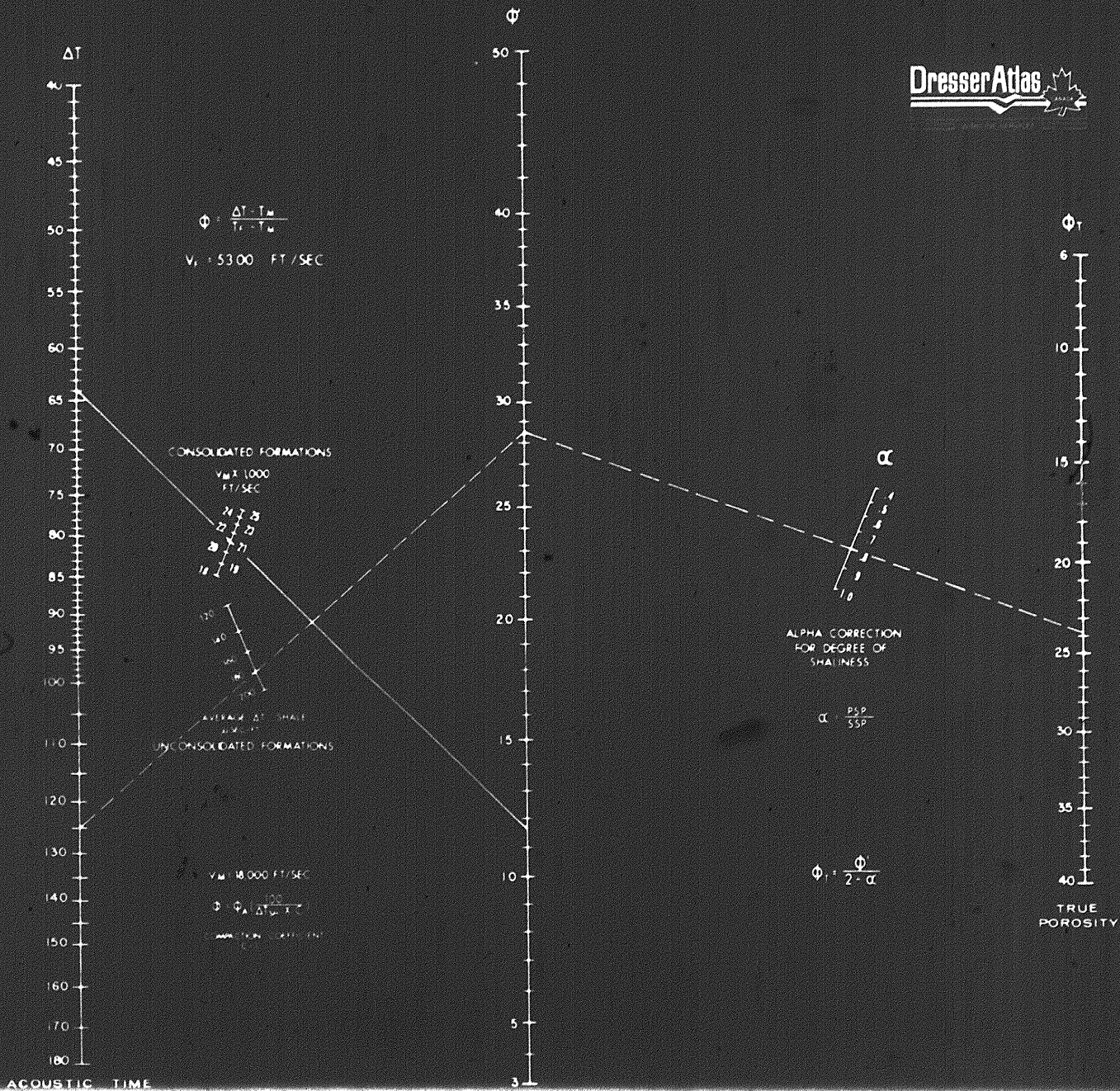
**ACOUSTILOG**  
T<sub>1</sub> R<sub>1</sub> R<sub>2</sub> T<sub>2</sub>

COMPANY	CHEVRON STANDARD LTD.	LOG FR	6974	FT.	
		LOG TD	6980	FT.	
		DRLR TD	6980	FT.	
WELL	CHEVRON SOBC WM WHITEFISH Y.T. J-70	RM	= 2.4 @ 121	F°	BHT
FIELD	WILDCAT	RMF	= 4.1 @ 64	F°	
PROVINCE	YUKON TERRITORY	RMC	= 6.0 @ 63	F°	
		PD ELEV.	1070	FT.	
		KB ELEV.	1085	FT.	
		GL ELEV.	1070	FT.	

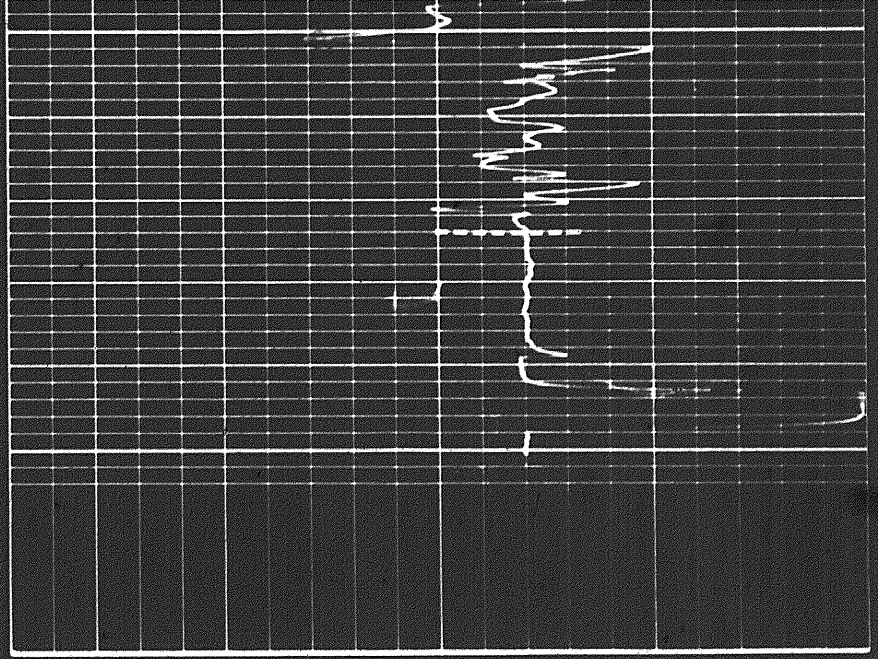
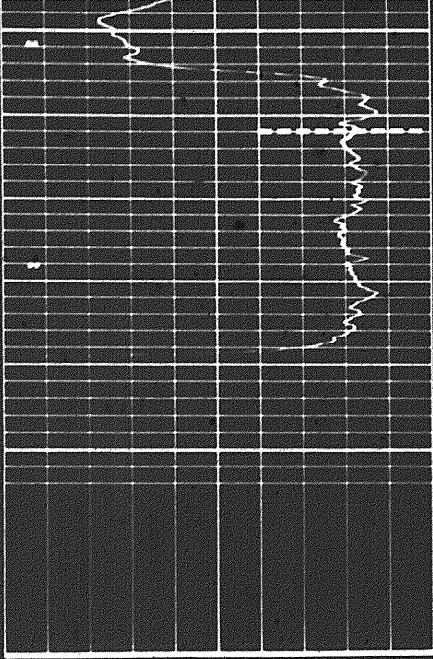




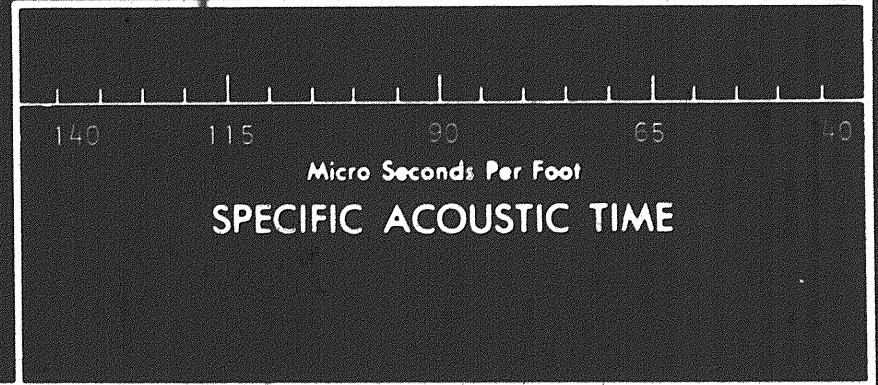
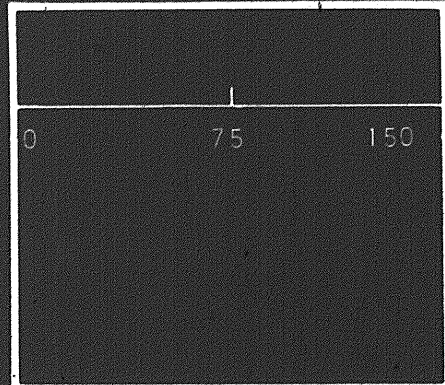
### POROSITY DETERMINATION FROM ACOUSTILOG







7000



**GAMMA RAY**  
API UNITS

**DEPTH**

**ACOUSTILOG**  
T<sub>1</sub> 4 R<sub>1</sub> 1 R<sub>2</sub> 4 T<sub>2</sub>

COMPANY	CHEVRON STANDARD LTD.	LOG FR 6974	FT.
		LOG TD 6980	FT.
		DRLR TD 6980	FT.
WELL	CHEVRON SOBC WM WHITEFISH YT J-70	RM = 2.4 @ 121 F°	BHT
FIELD	WILDCAT	RMF = 4.1 @ 64 F°	
PROVINCE	YUKON TERRITORY	RMC = 6.0 @ 63 F°	
		PD ELEV. 1070	FT.
		KB ELEV. 1085	FT.
		GL ELEV. 1070	FT.



POROSITY DETERMINATION FROM ACOUSTILOG

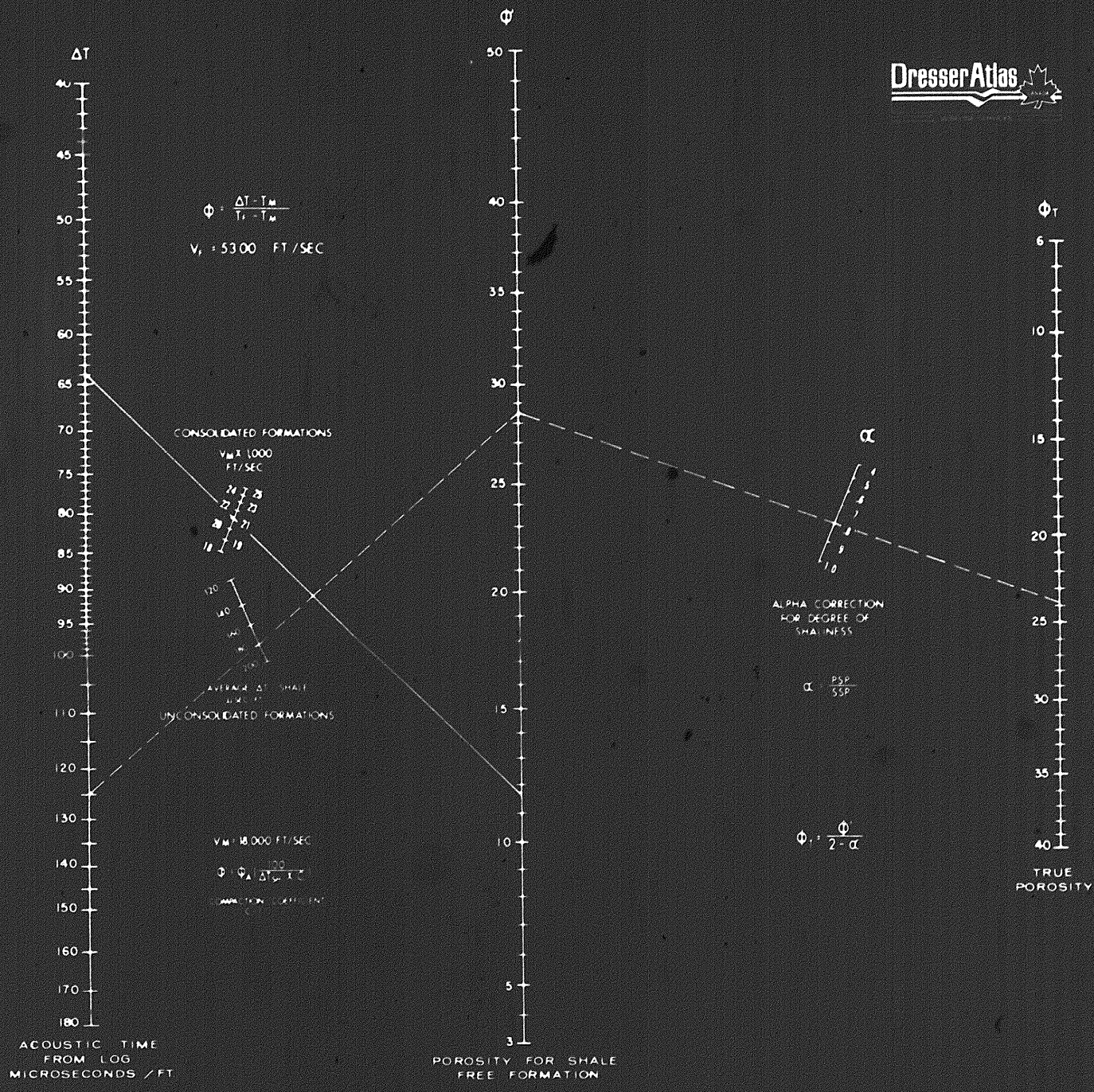


209

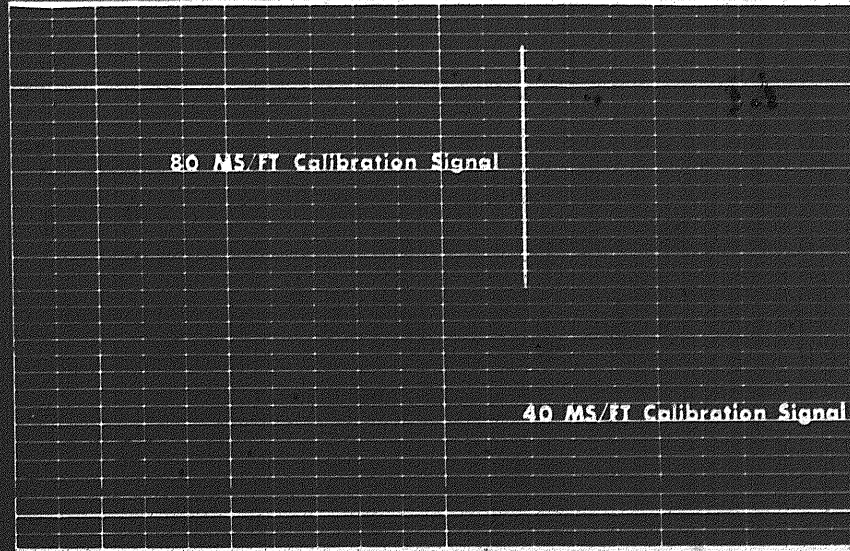




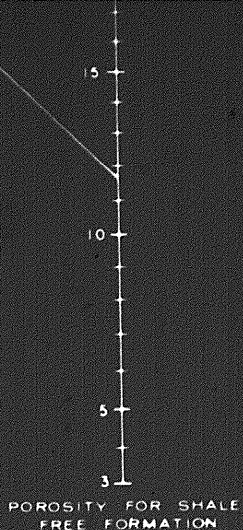
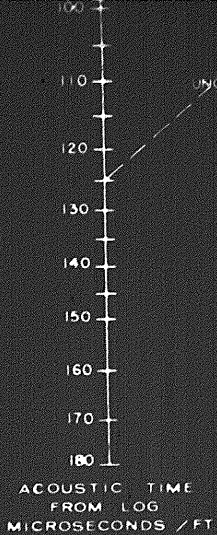
20 of 20



G R LOG CALIBRATION	
AFTER LOG	
A P I UNITS OF CALIB. STD.	224
SENSITIVITY READING	505
MULTIPLIER	X1
ZERO SUPPRESSION	0
TIME CONSTANT	4
MEASURED CHART DIVISIONS	15.0







$\alpha$  PSP  
SSP

$$\phi = \frac{\phi}{2 - \alpha}$$

TRUE  
POROSITY

**G R LOG CALIBRATION**

AFTER LOG

A P I UNITS OF CALIB. STD.  
SENSITIVITY READING  
MULTIPLIER  
ZERO SUPPRESSION  
TIME CONSTANT  
MEASURED CHART DIVISIONS

224  
505  
X1  
0  
4  
15.0

80 MS/FT Calibration Signal

40 MS/FT Calibration Signal

**G R LOG CALIBRATION**

BEFORE LOG

A P I UNITS OF CALIB. STD.  
SENSITIVITY READING  
MULTIPLIER  
ZERO SUPPRESSION  
TIME CONSTANT  
MEASURED CHART DIVISIONS

224  
505  
X1  
0  
4  
15.0

80 MS/FT Calibration Signal

40 MS/FT Calibration Signal