

Schlumberger

DUAL INDUCTION - SFL
SCHLUMBERGER OF CANADA, Calgary, Alberta

PROVINCE YUKON
FIELD W.C.
WELL COLUMBIA ET AL
COMPANY COLUMBIA GAS DEVELOPMENT OF CANADA LTD.

COMPANY COLUMBIA GAS DEVELOPMENT OF CANADA LTD.
WELL COLUMBIA ET AL
FIELD W.C.
PROVINCE YUKON
LOCATION 60° 06' 45" N
124° 03' 30" W
Other Services: BHC-GR, FDC-GR, TPC

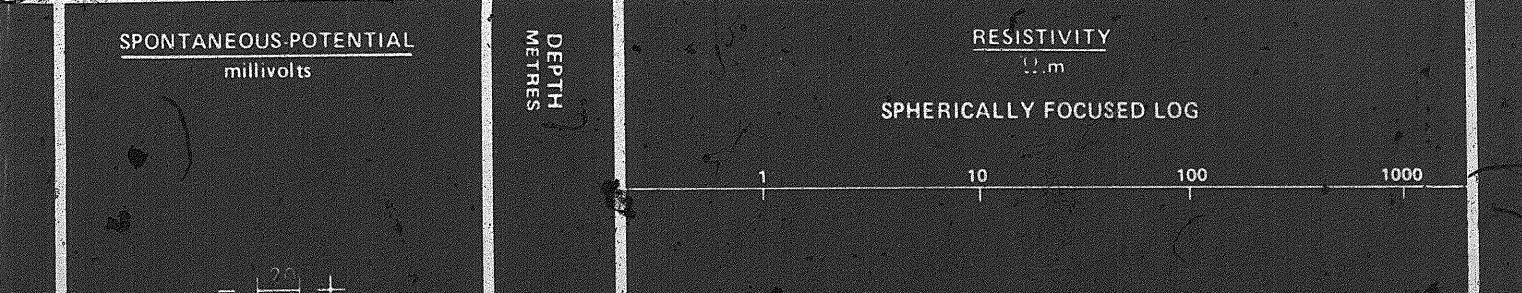
Dept. of Indian & Northern Affairs
MAY 1 1979

Permanent Datum: GL Elev: 411.48 m
Log Measured From: KB 7.62 m Above Perm. Datum
Drilling Measured From: KB Elev: 419.10 m
D.F. 411.48 m
G.L. 411.48 m

Date	15 FEB 79			
Run No.	One	Two	Three	Four
Depth - Driller	1332	m	m	m
Depth - Logger (Schl)	1332	m	m	m
Btn. Log Interval	1332	m	m	m
Top Log Interval		m	m	m
Casing - Driller		m	m	m
Casing - Logger		m	m	m
Bit Size		mm	mm	mm
Type Fluid in Hole	GEL			
Dens (kg/m ³)	1200			
pH				
Source of Sample				
Rm @ Meas. Temp.	2.63	@ 19.5	@ 19.5	@ 19.5
Rmt @ Meas. Temp.		@ 19.0	@ 19.0	@ 19.0
Source: Rmt		@ 19.0	@ 19.0	@ 19.0
Rm @ BHT		@ 17.0	@ 17.0	@ 17.0
Circulation Stopped				
Tool Last on Bottom				
Max. Rec. Temp. #1				
Unit District	ARNDT			
Recorded By				
Witnessed By				

Run No.	One	Two	Three	Four	REMARKS
Service Order No.	30947				16 MAR 79 CAL AS
EQUIPMENT DATA					THIS SURVEY WAS RECORDED IN COMBINATION WITH THE BHC SONIC - GR - C
Panel	DD 489				
Cartridge	DR 289				
Sonde	EA 267				
Memorizer Panel	BA 410				
TTR	EB 279				
Stand off mm	38				
CALIBRATION DATA					
SBR					
Sonde Error	Enter "surface" or depth set	SURFACE			
LOGGING DATA					
Run No.	From	To	Resistivity Scale	Conductivity Scale	
ONE	1.332	2.000	500-1000		
Log Taped <input type="checkbox"/> Yes <input type="checkbox"/> No					

All interpretations are opinions based on inferences from electrical or other measurements and we cannot, and do not, guarantee the accuracy or correctness of any interpretations, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, damages or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees. These interpretations are also subject to Clause 4 of our General Terms and Conditions as set out in our current Price Schedule.



SPONTANEOUS POTENTIAL

millivolts

20

X2000F

DEPTH
METRES

RESISTIVITY

$\Omega \cdot m$

SPHERICALLY FOCUSED LOG

1 10 100 1000

DEEP INDUCTION LOG

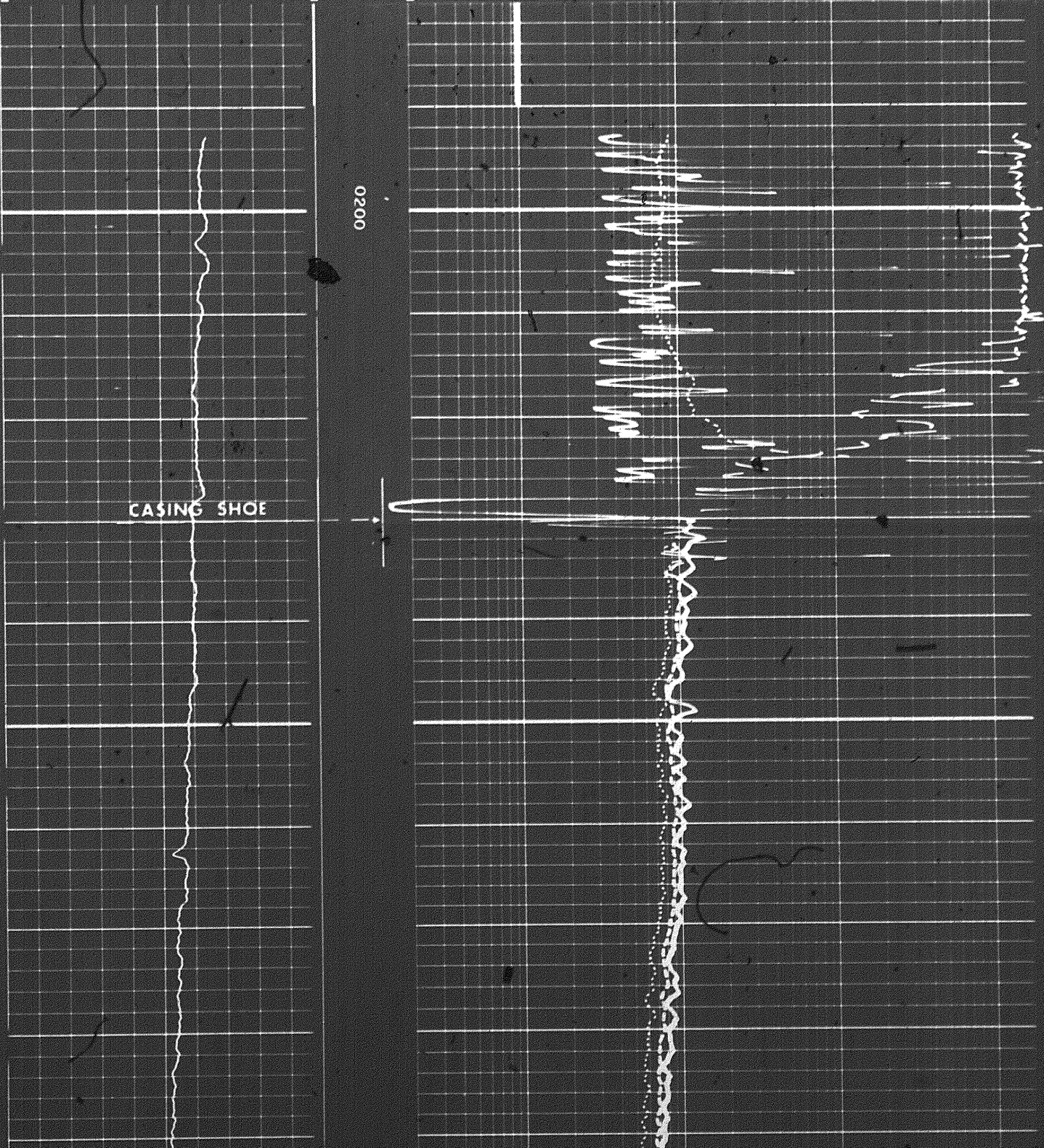
1 10 100 1000

MEDIUM INDUCTION LOG

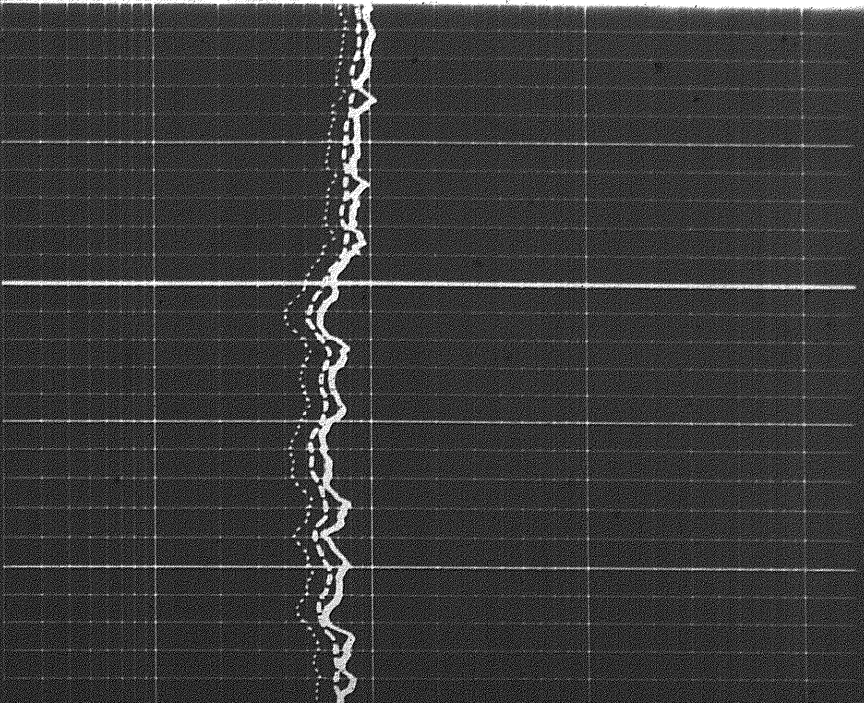
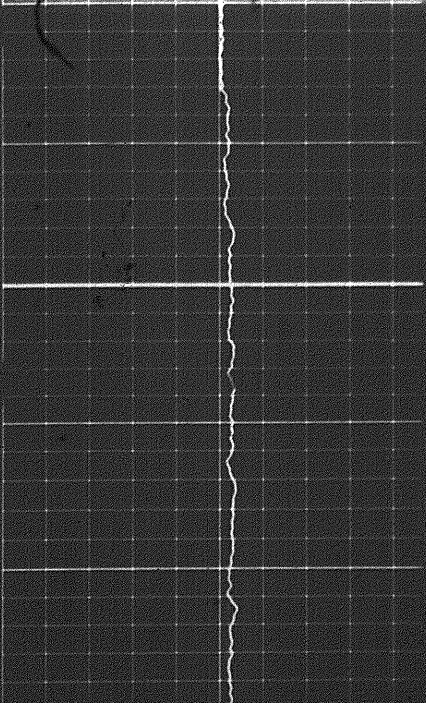
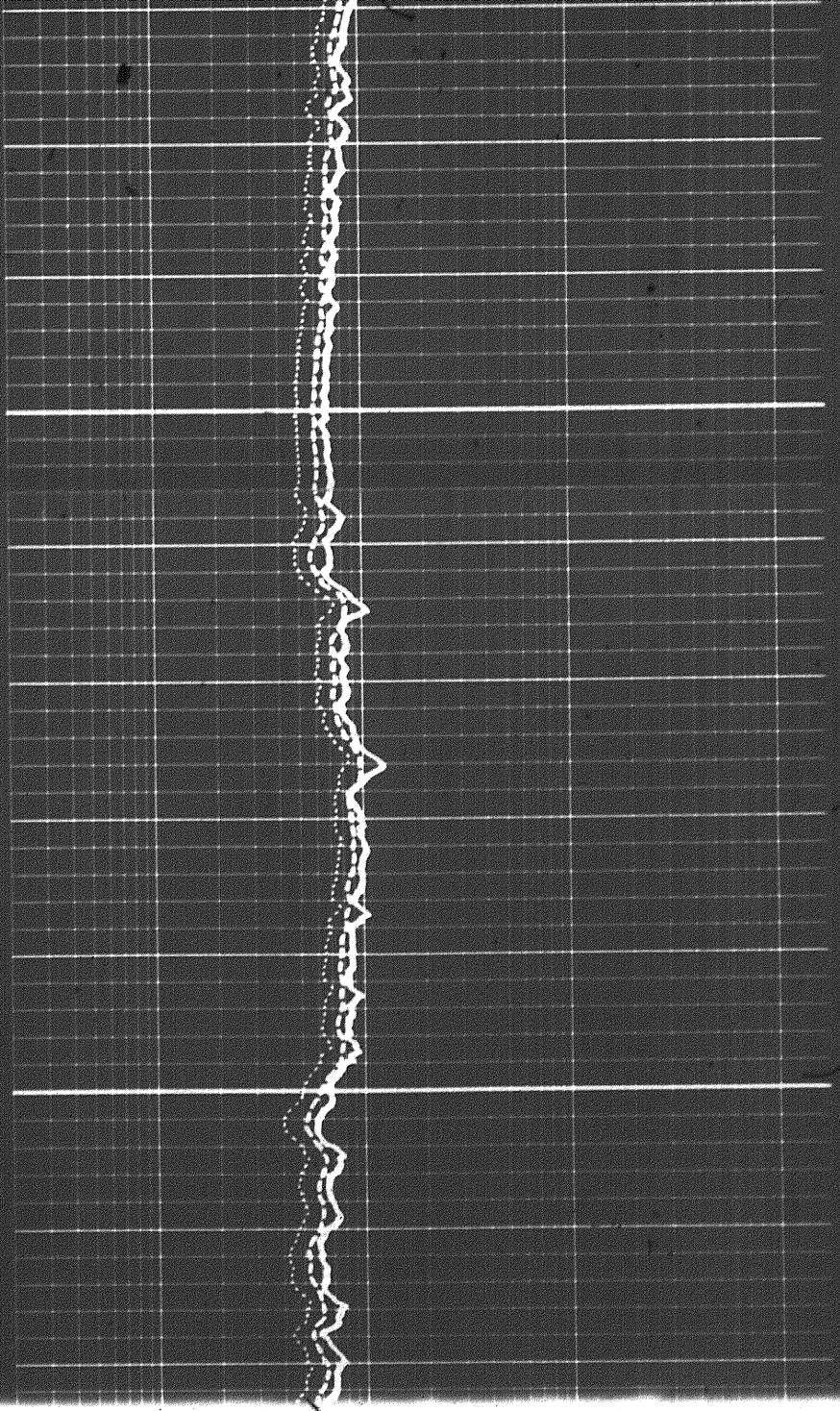
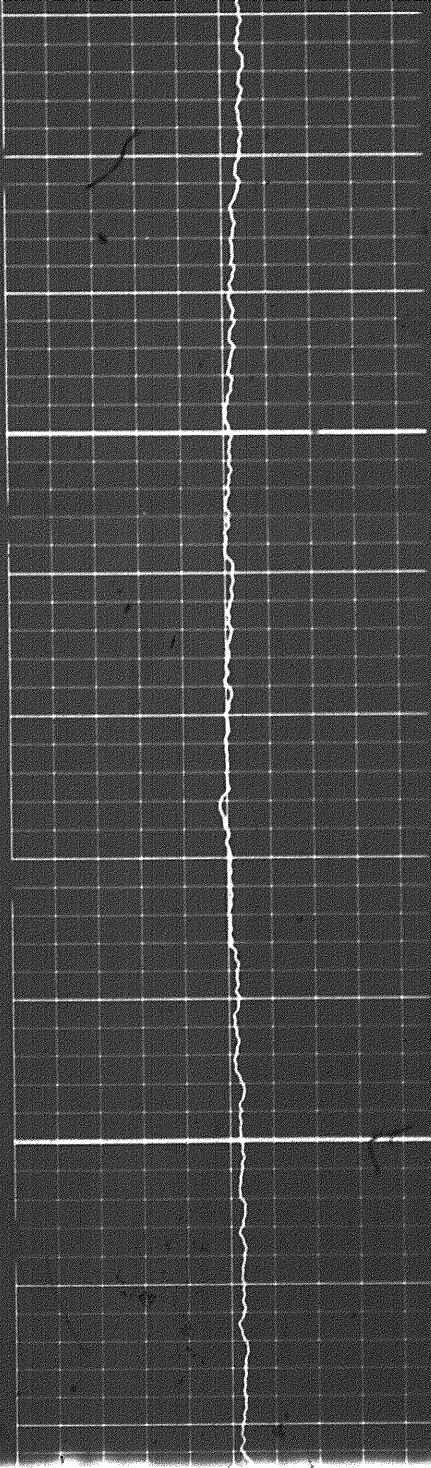
1 10 100 1000

0200

CASING SHOE

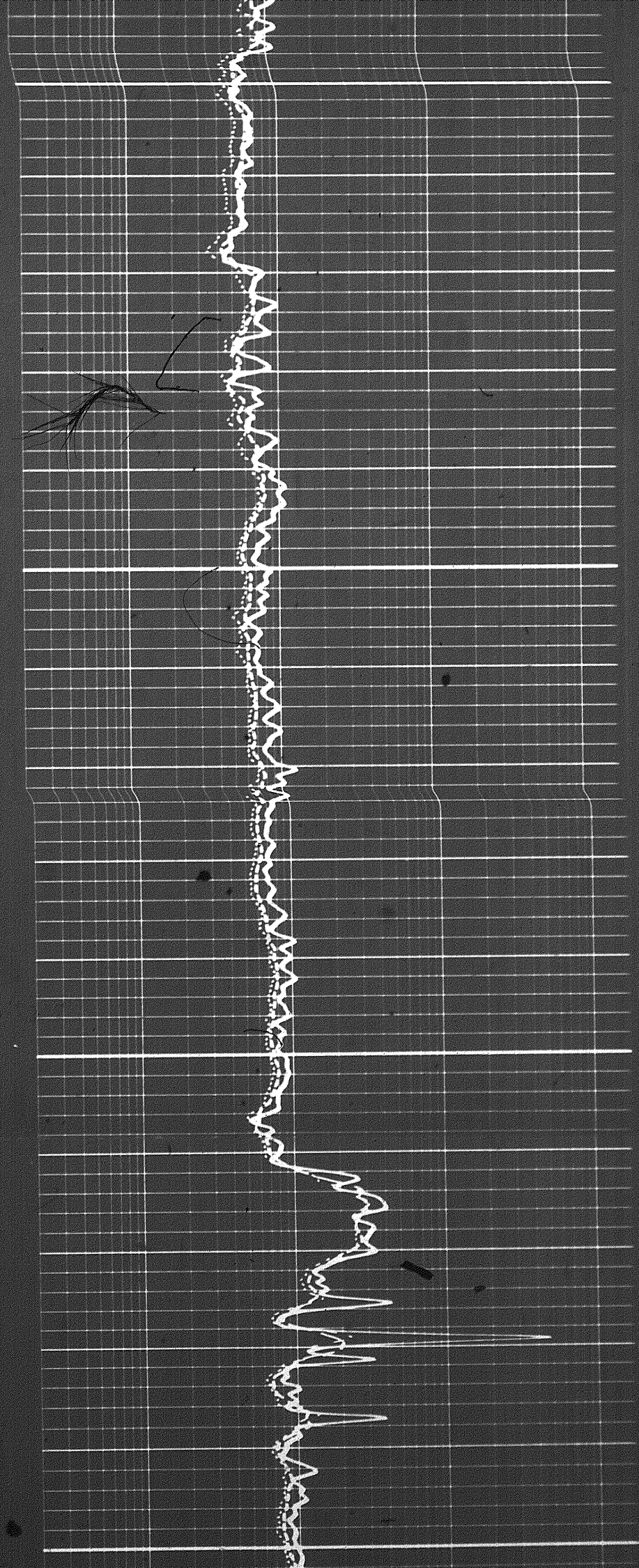
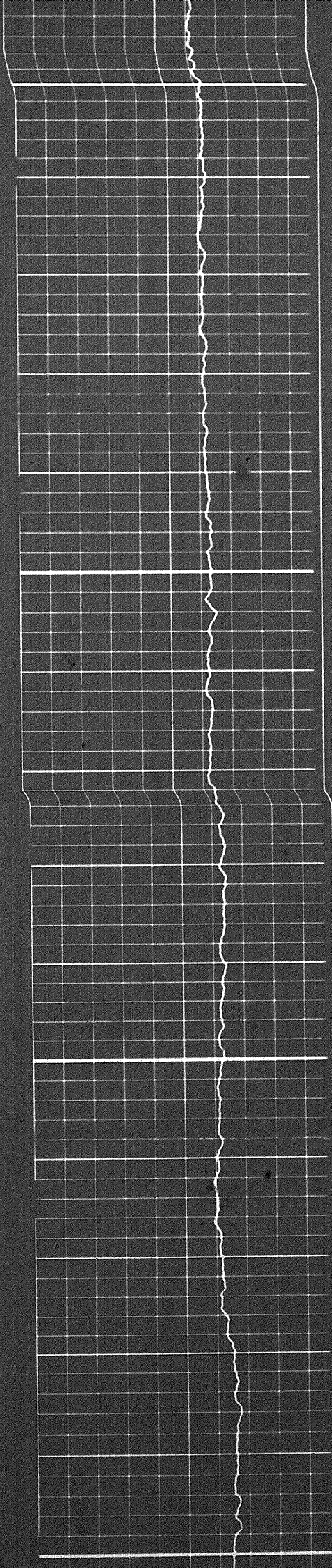


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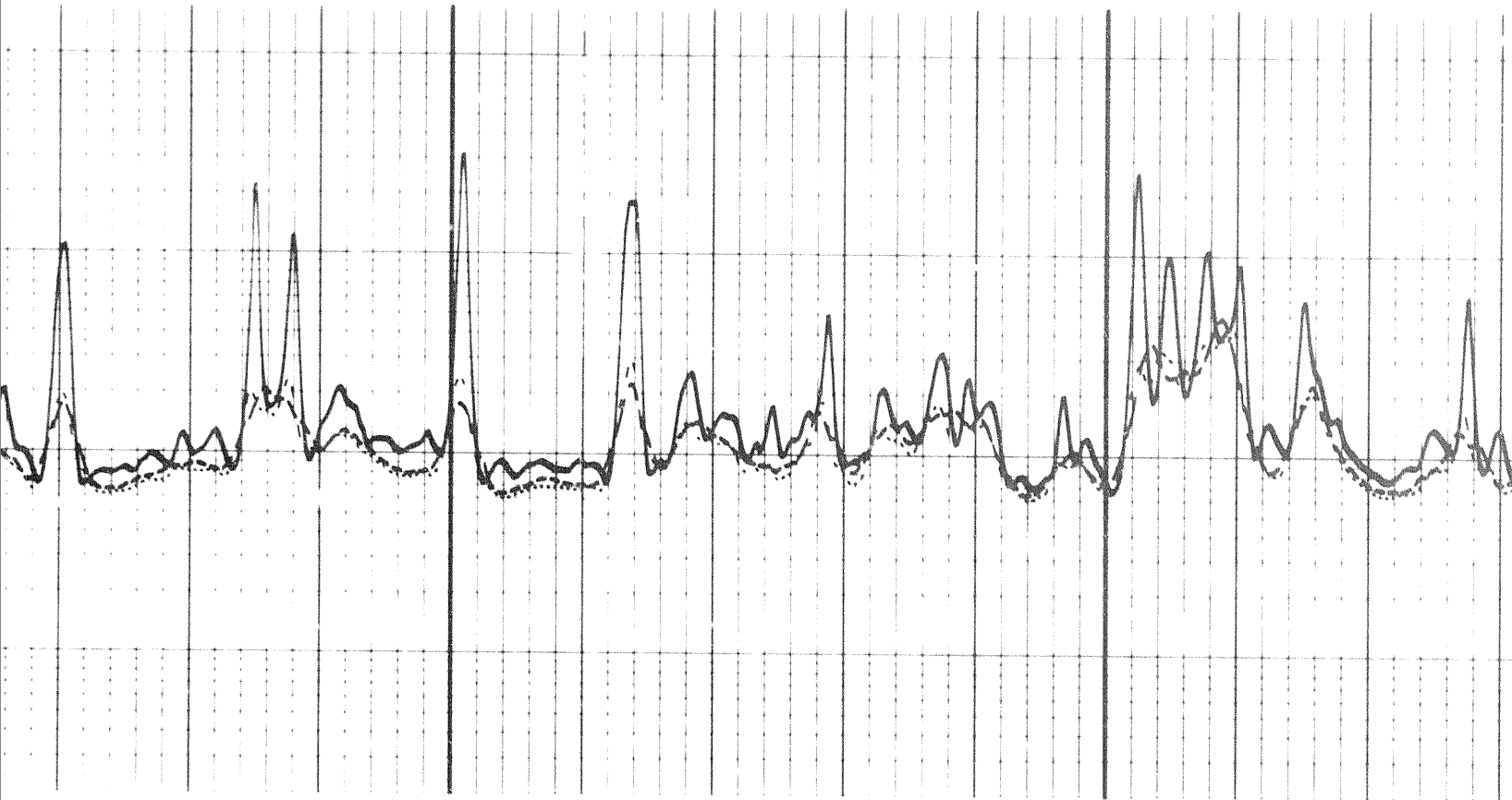


0350

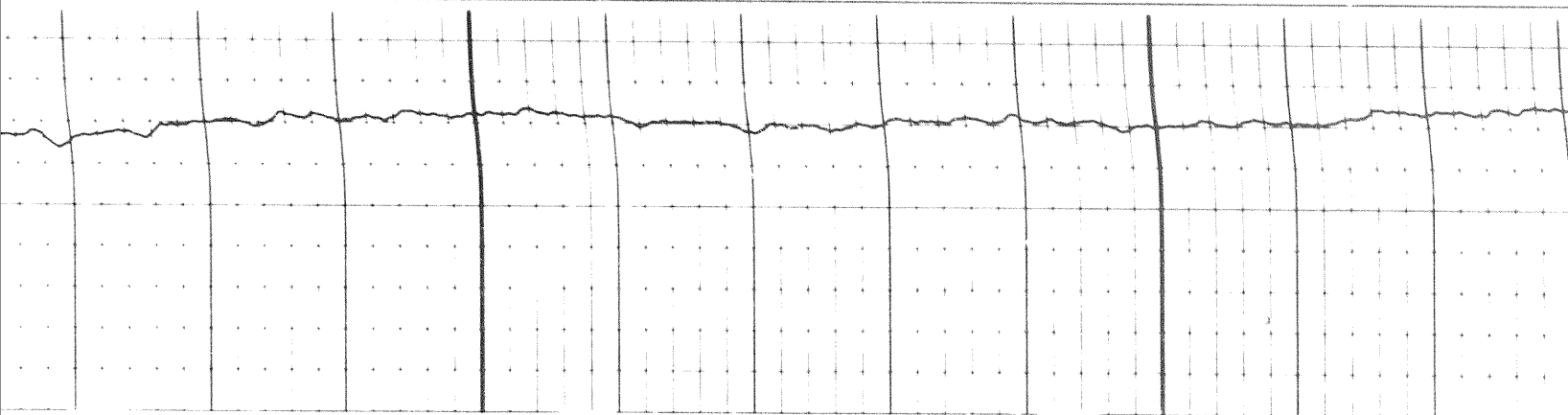
0400



3 of

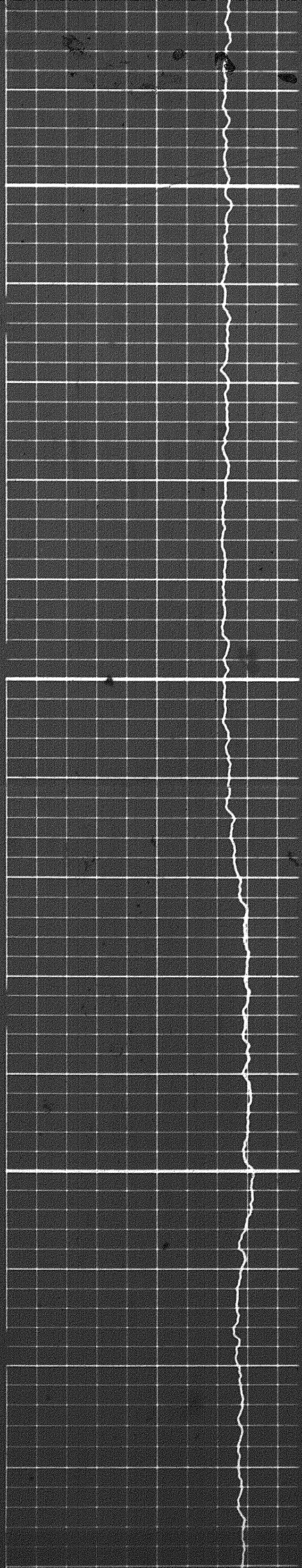


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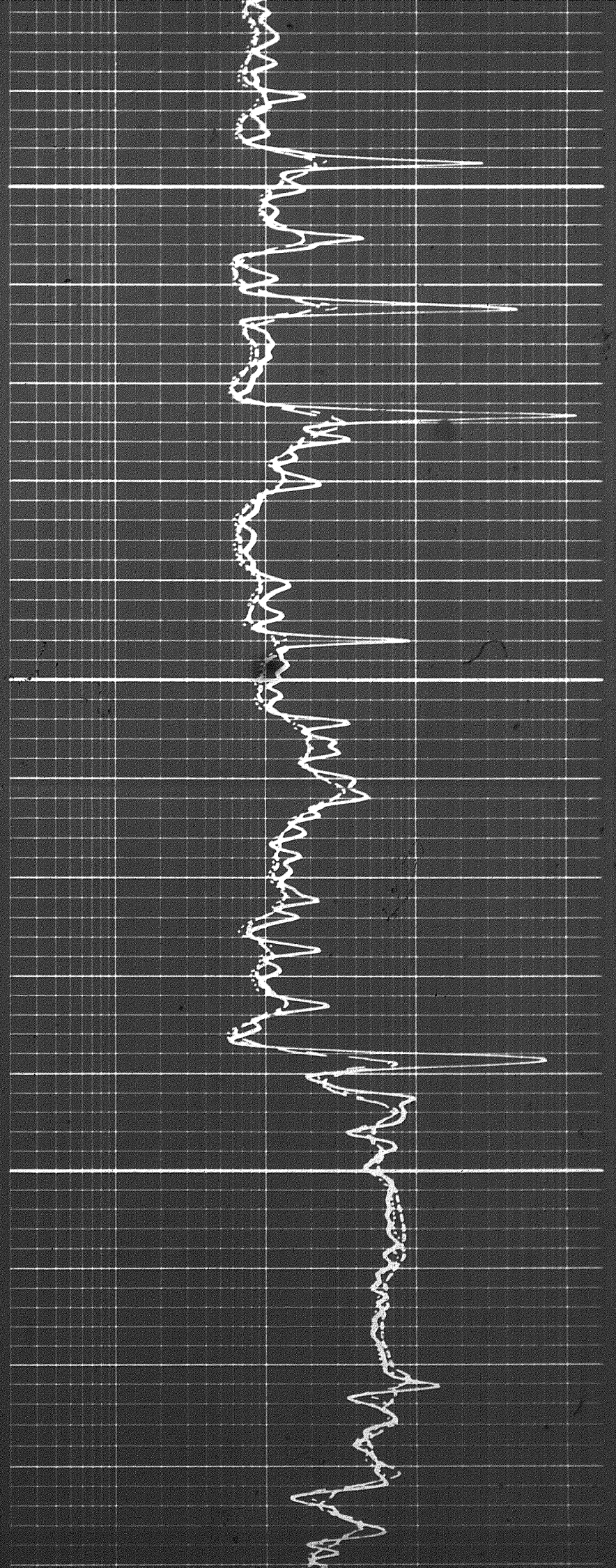


1

5

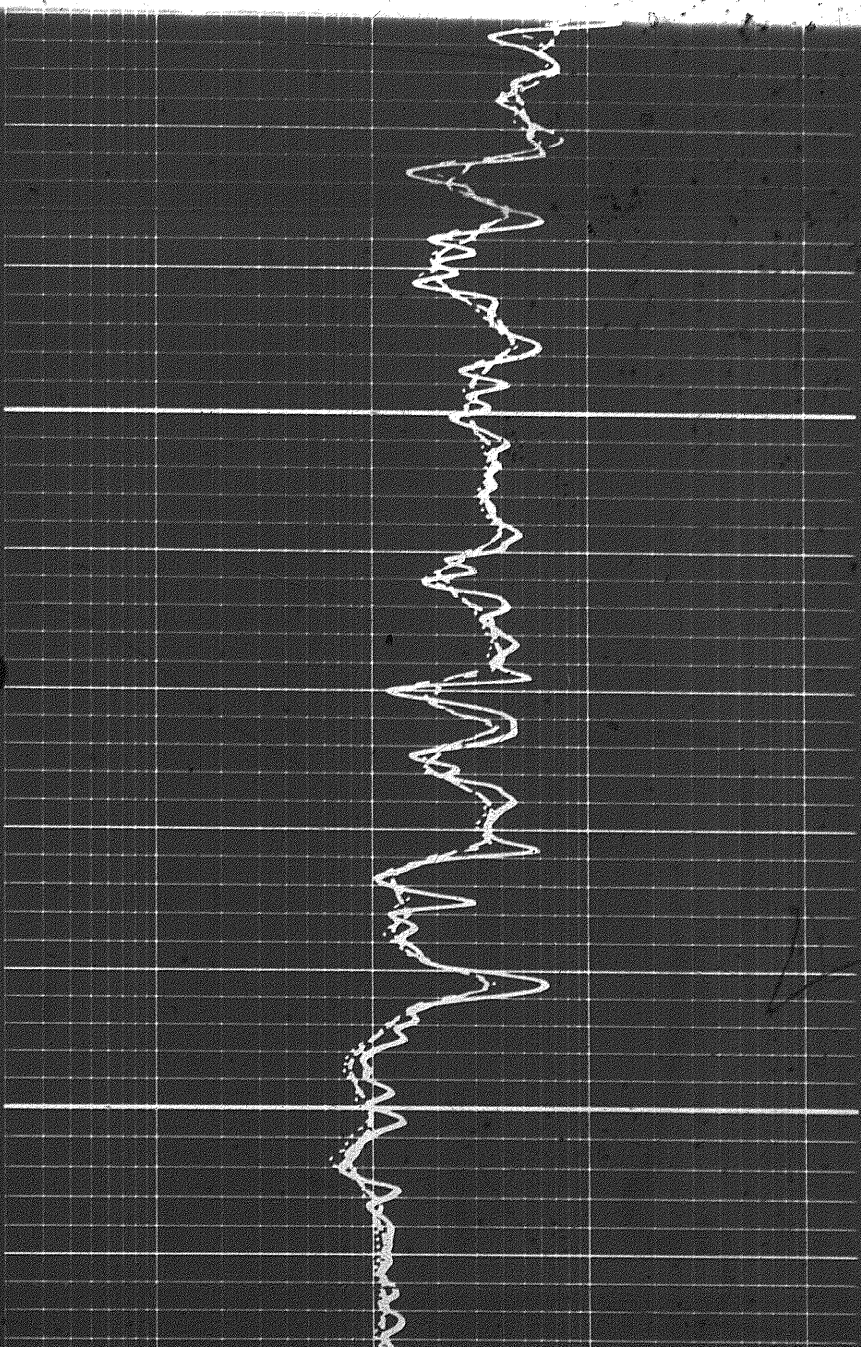
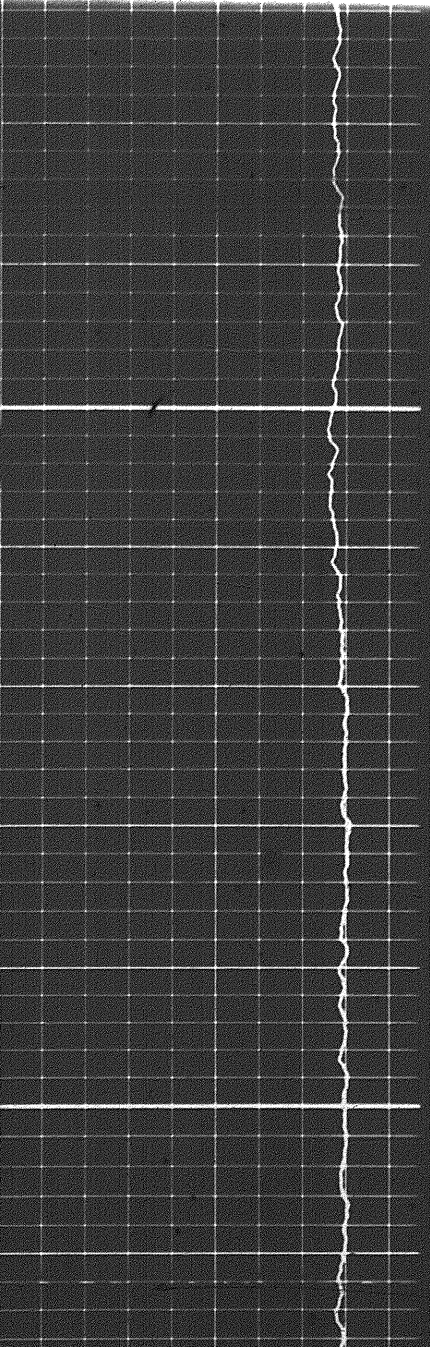
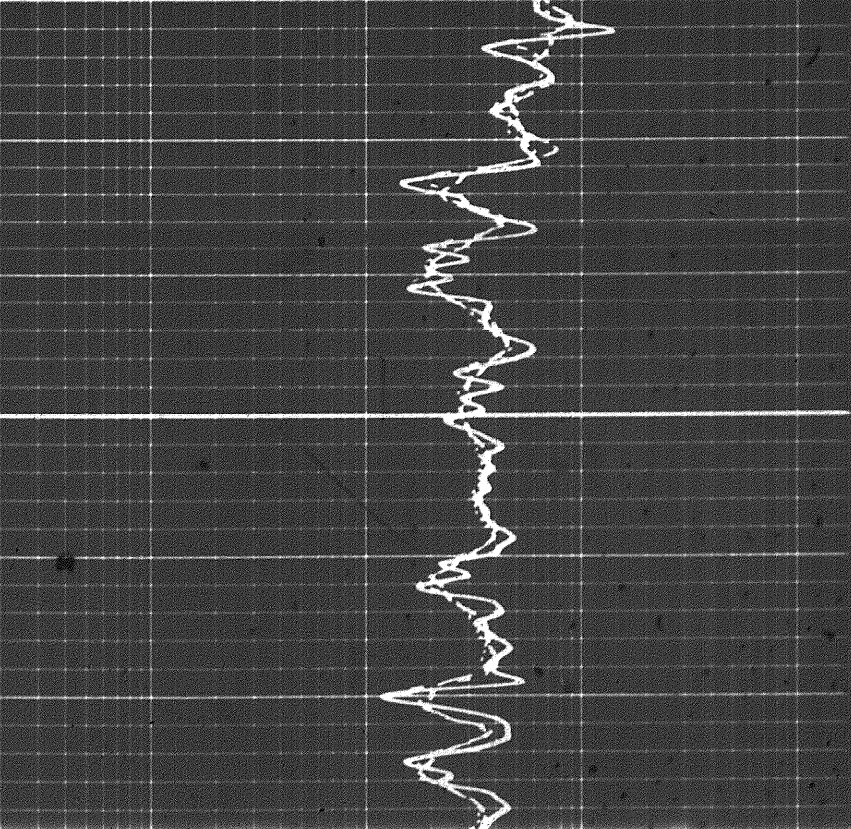
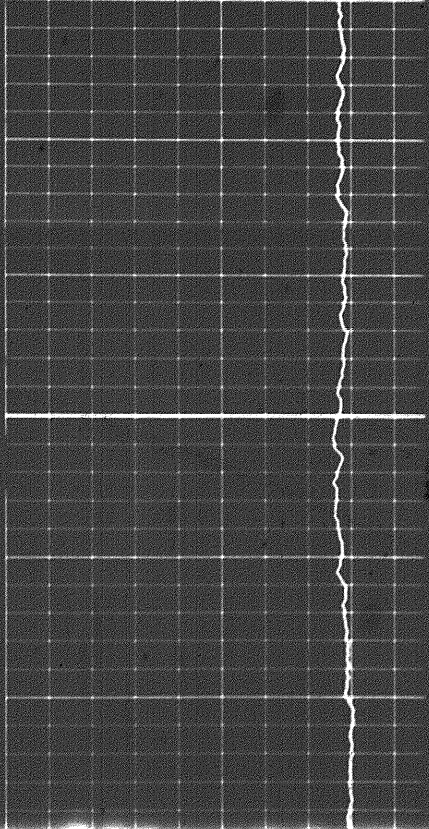


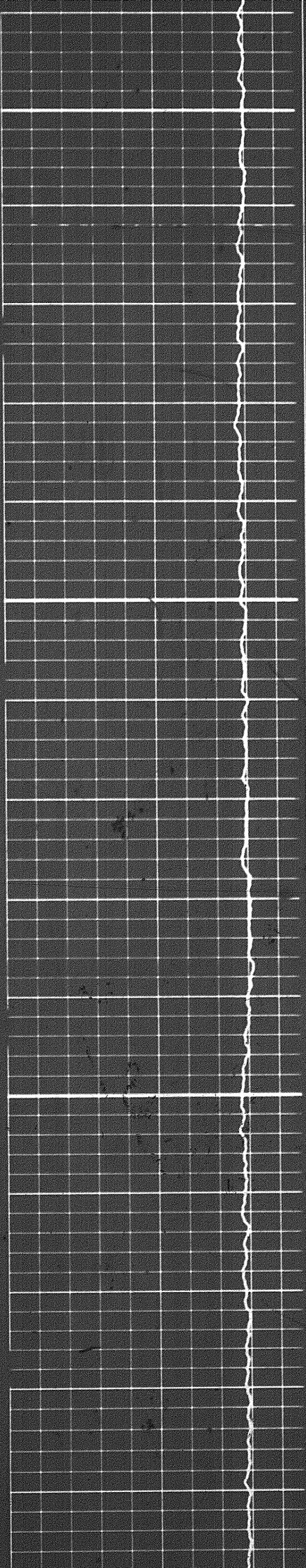
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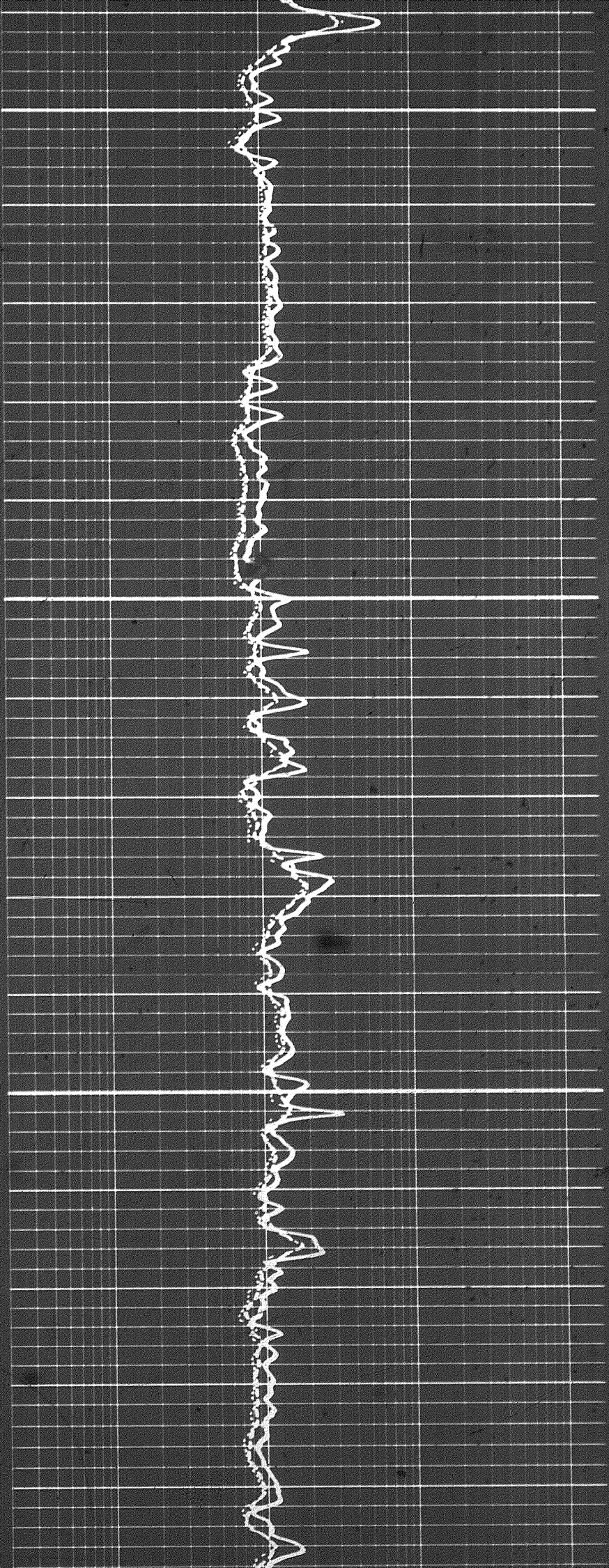
0090

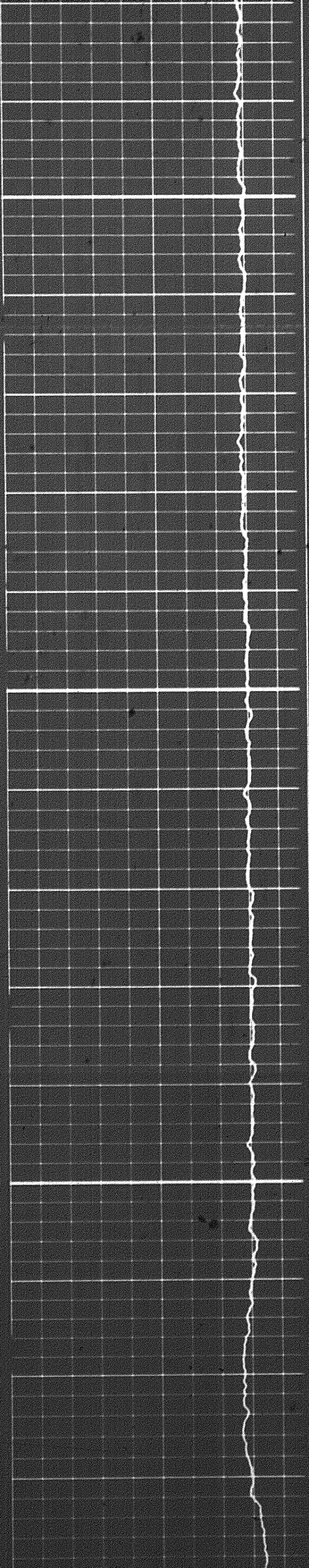
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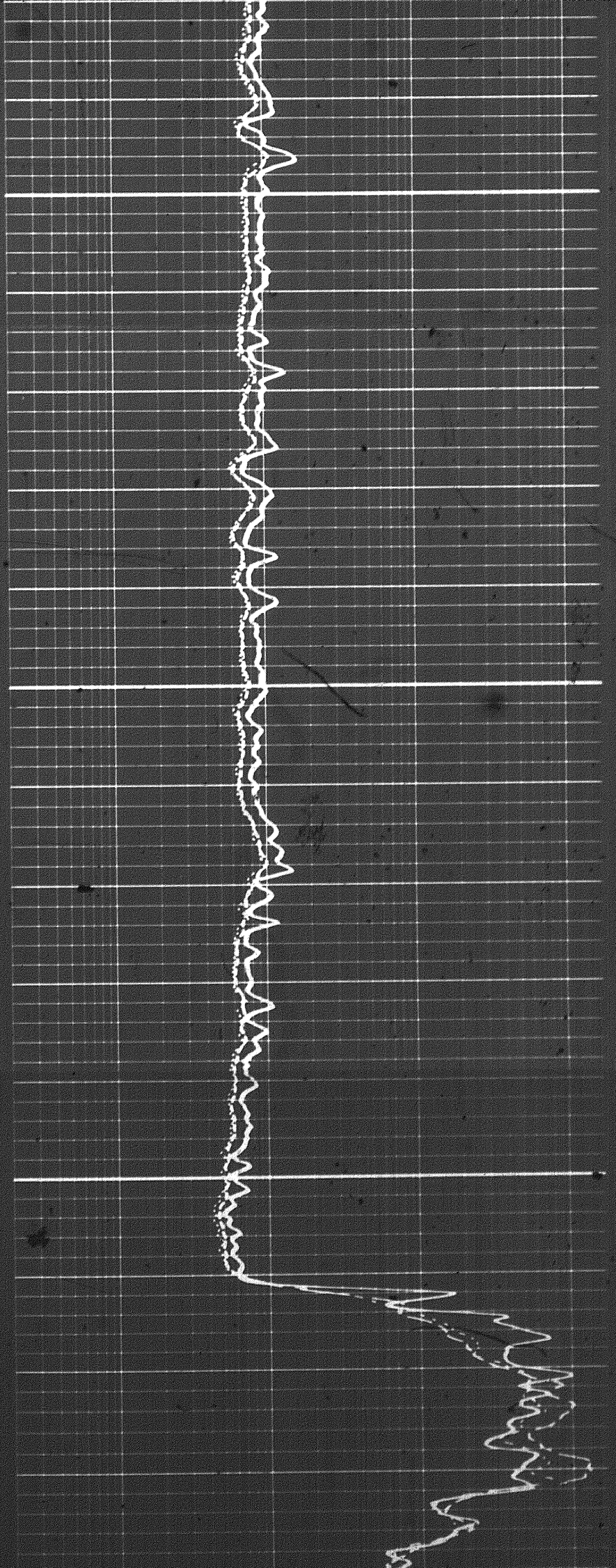
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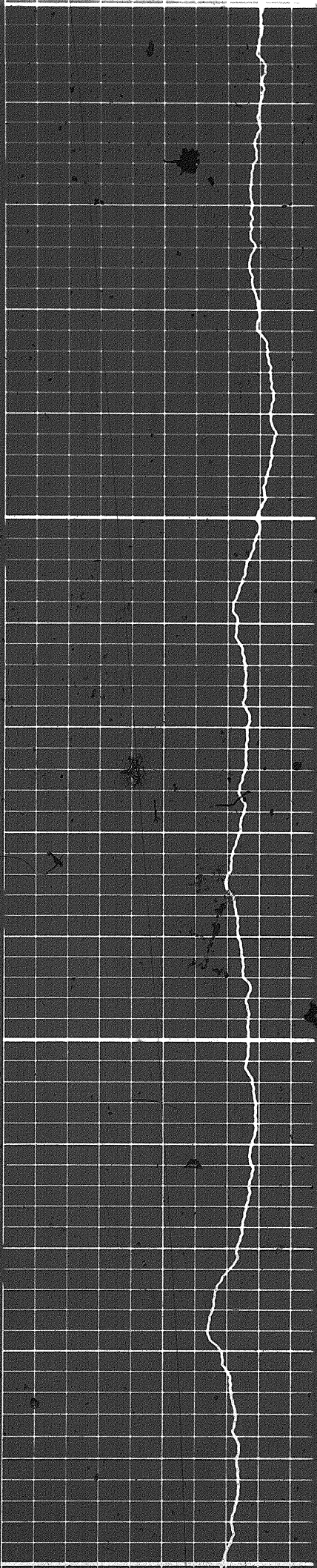


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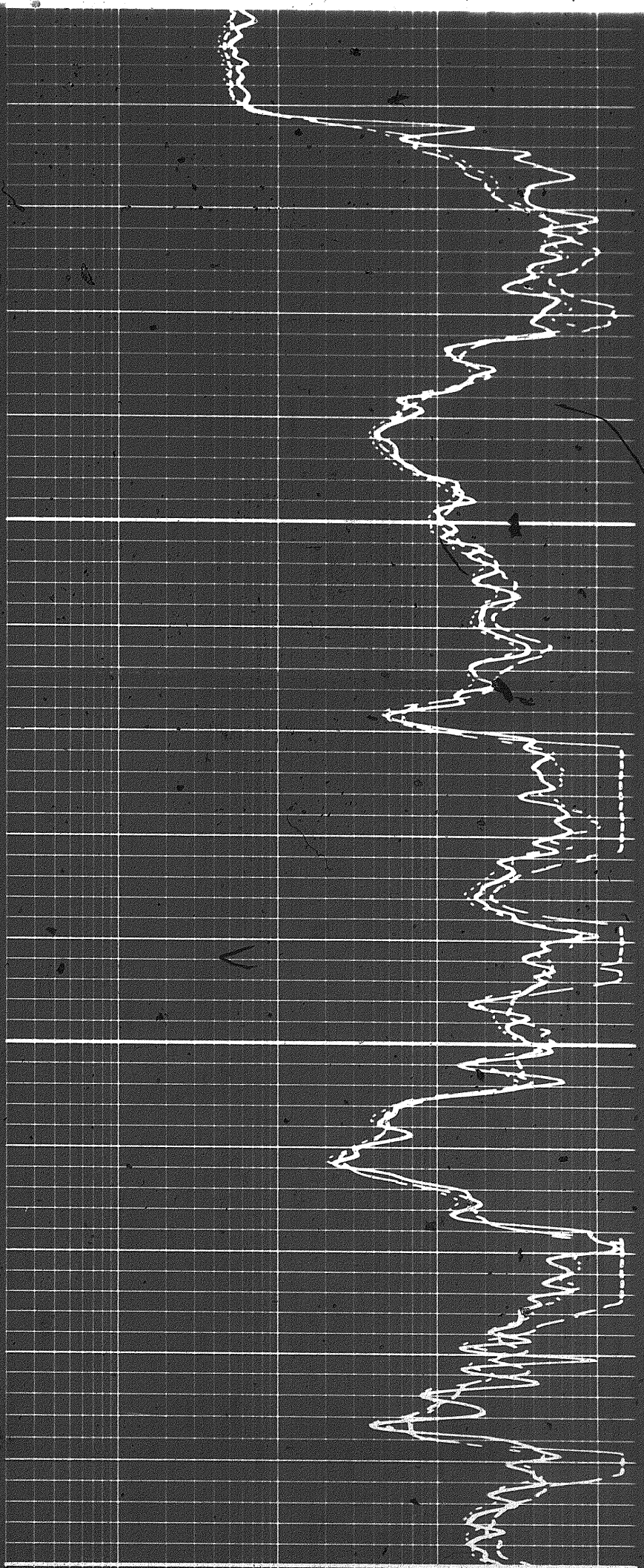
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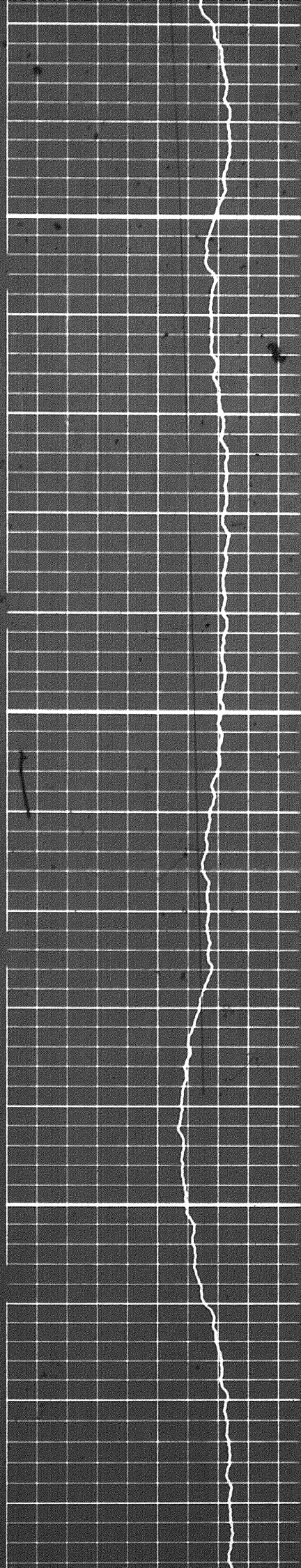


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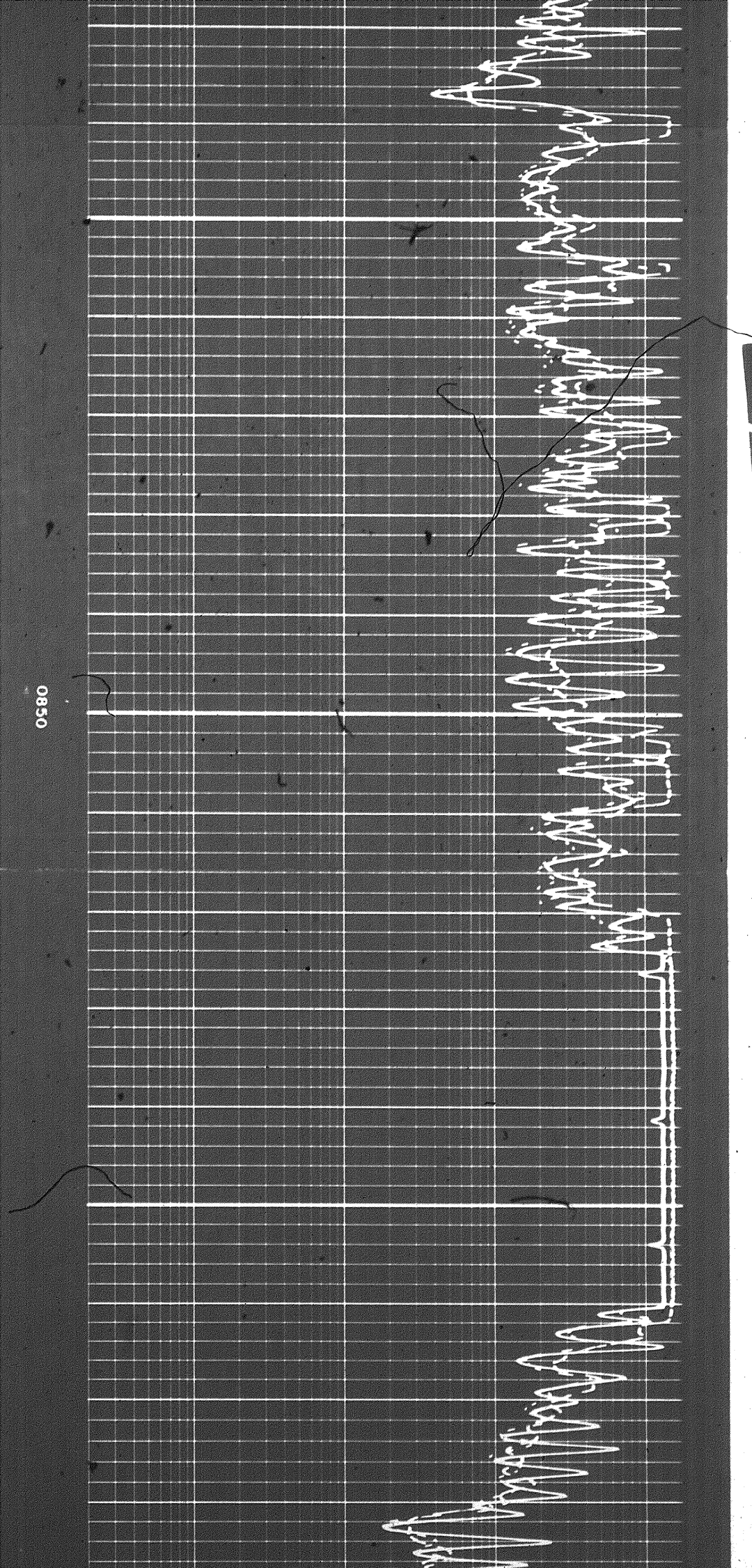


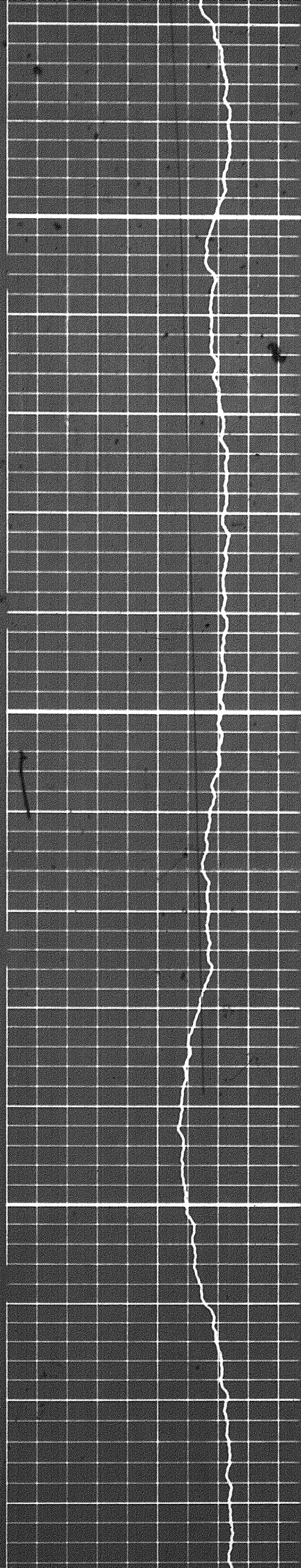
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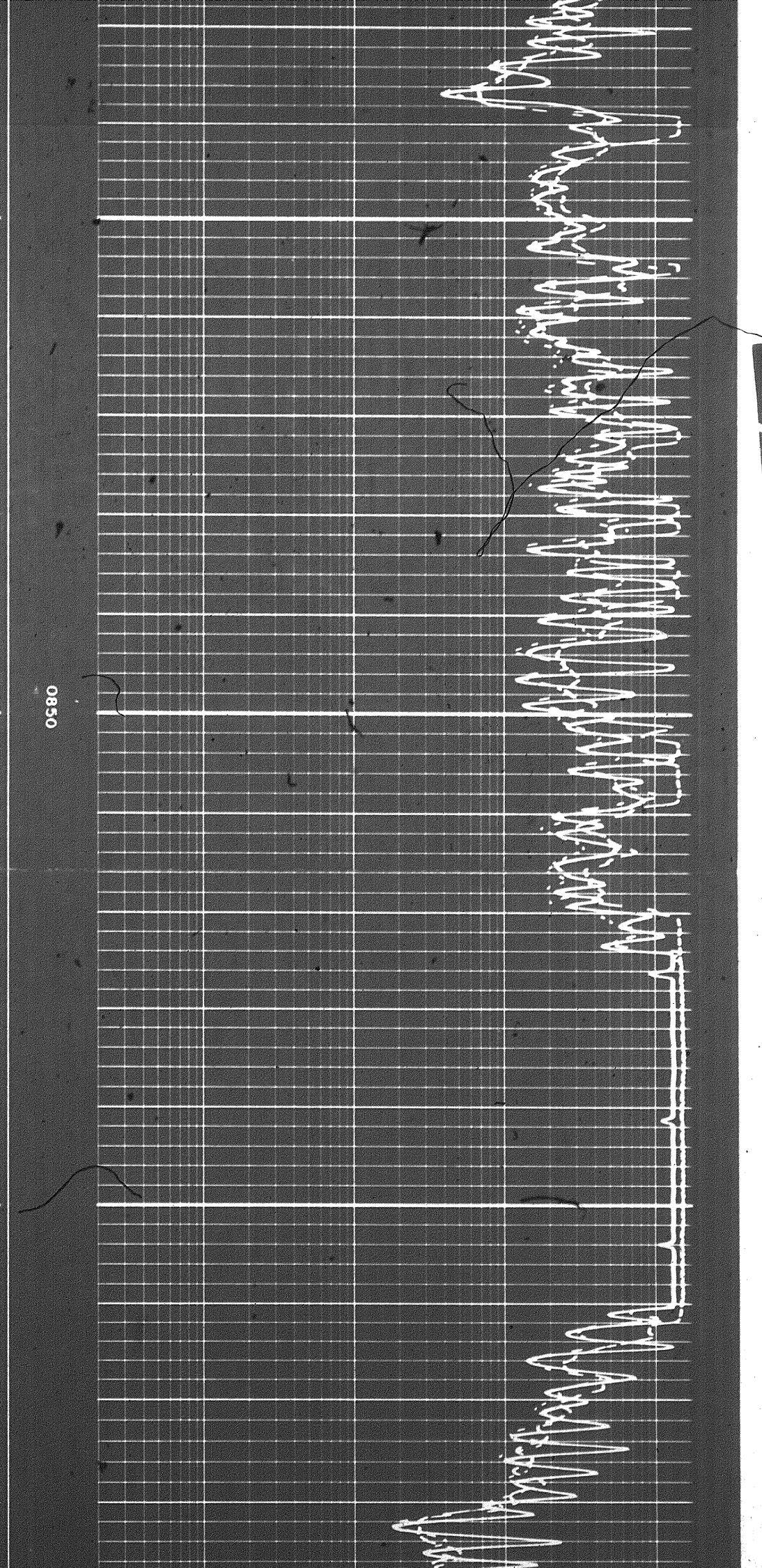


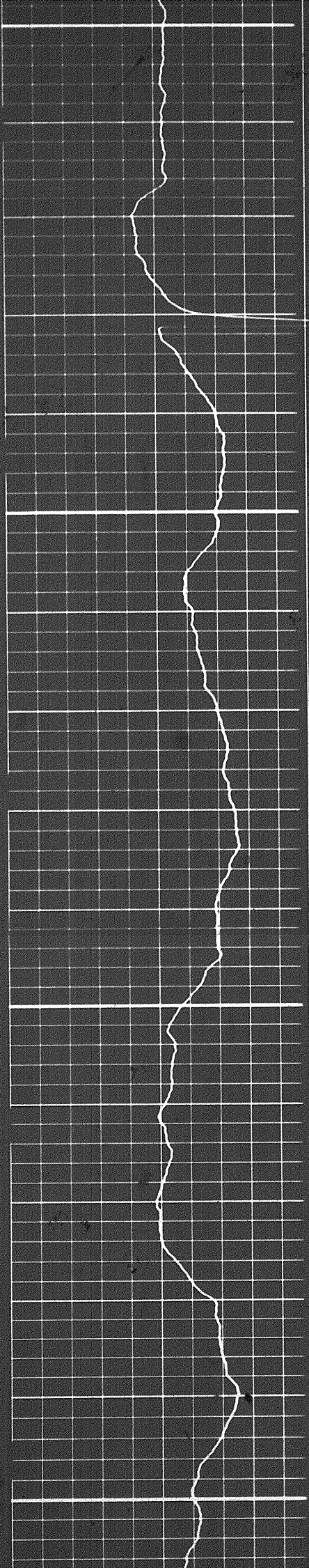
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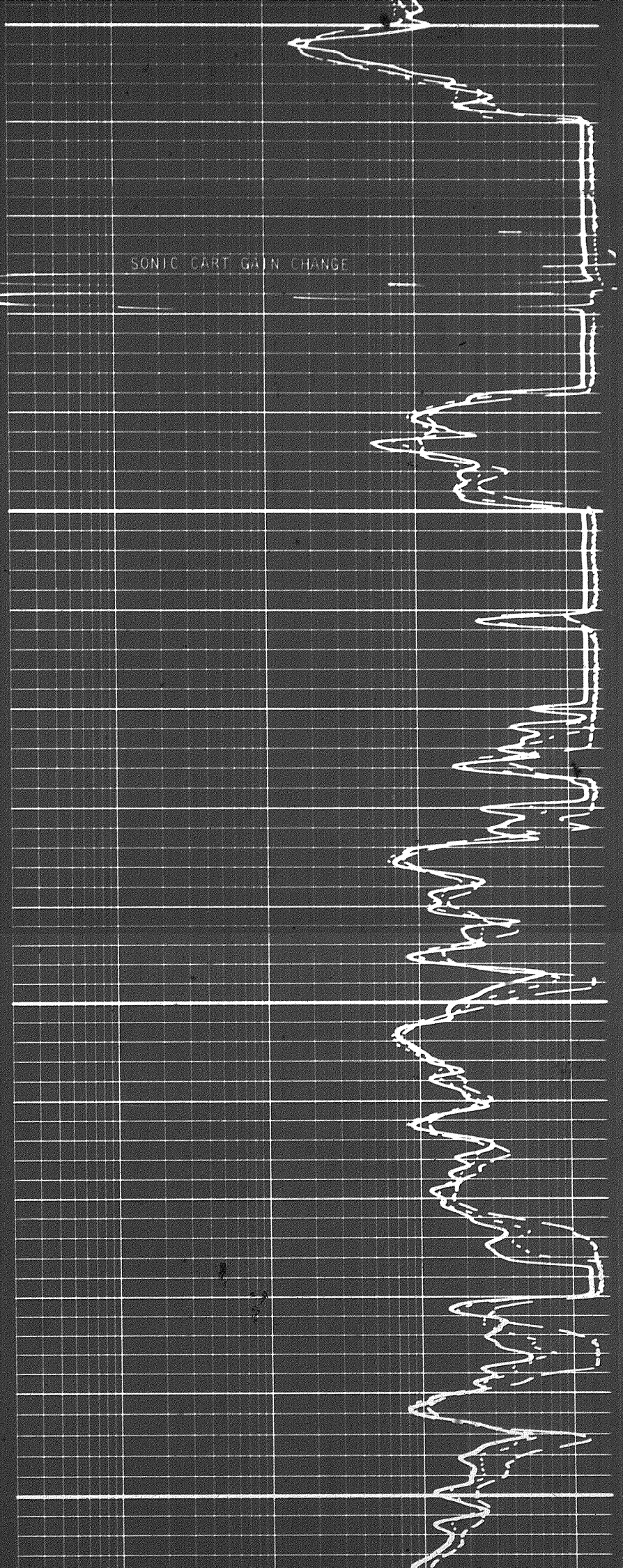
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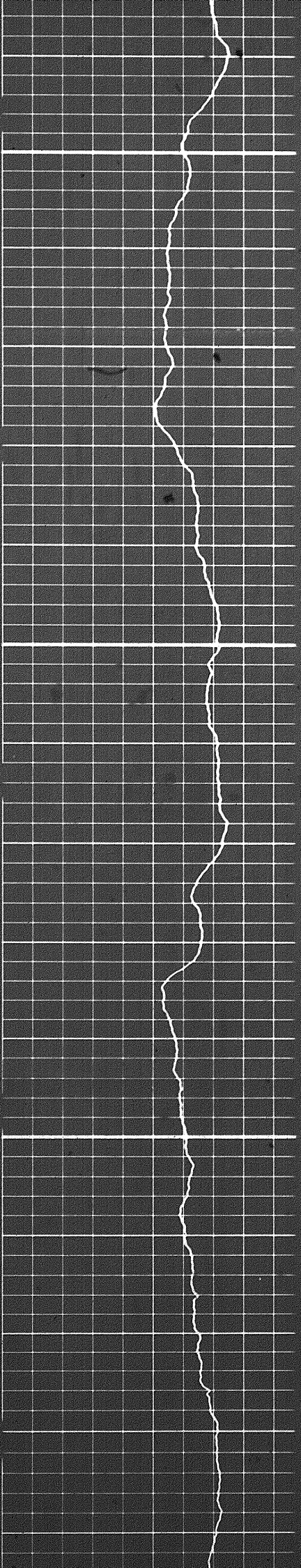




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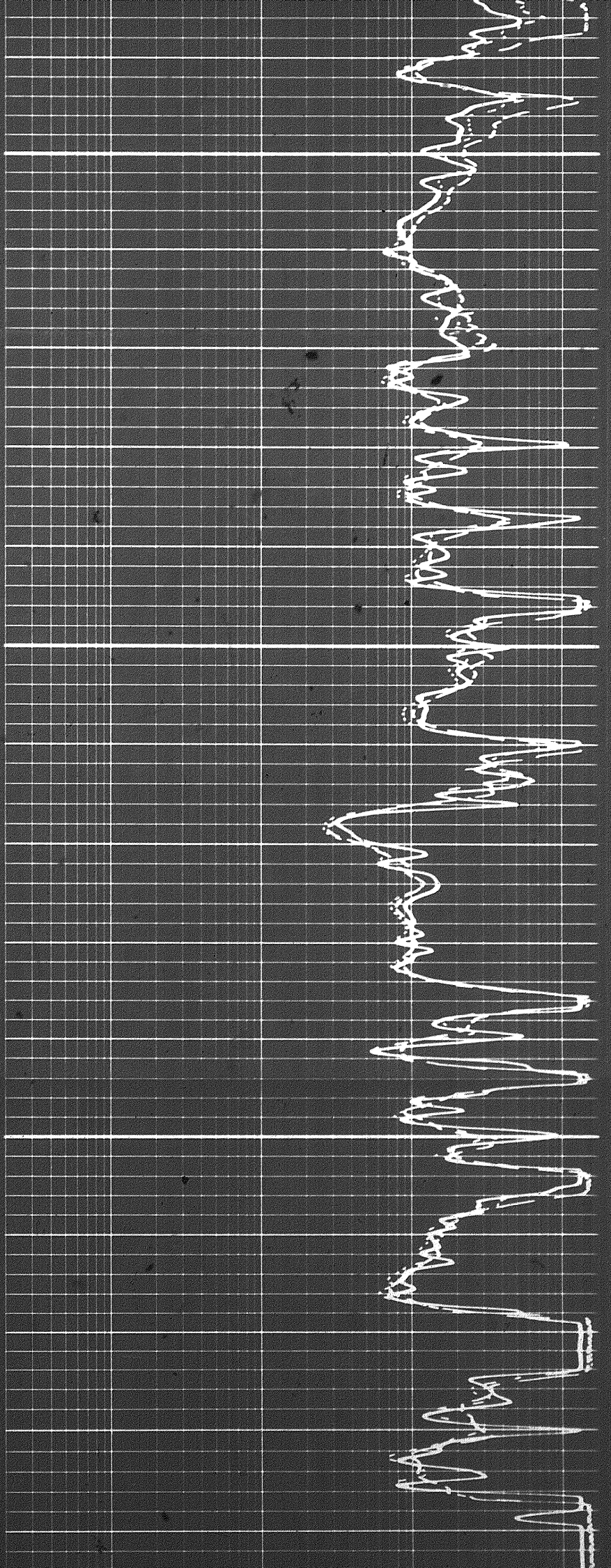
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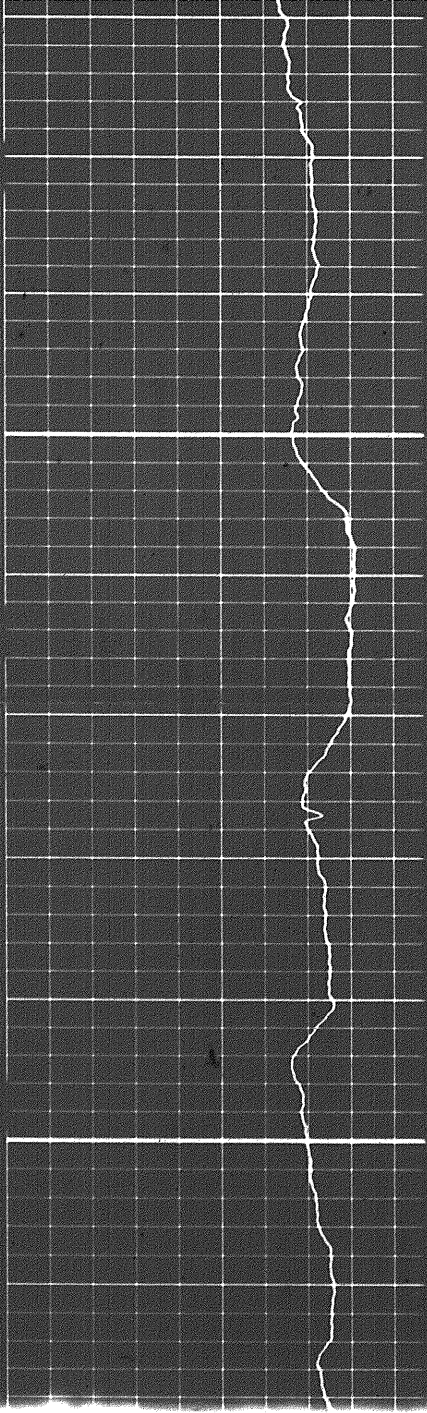




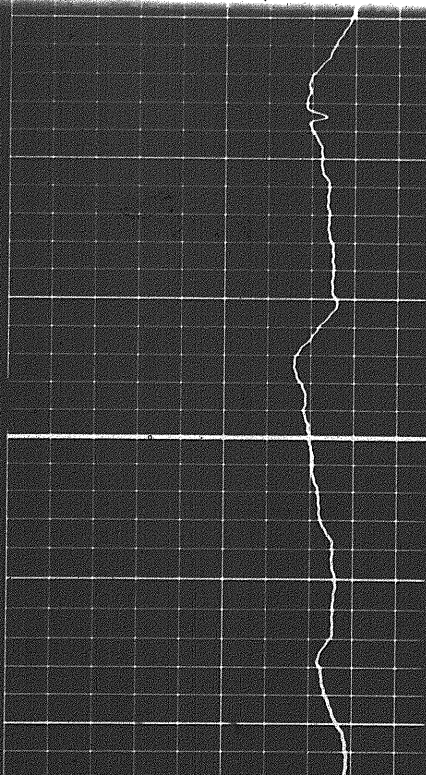
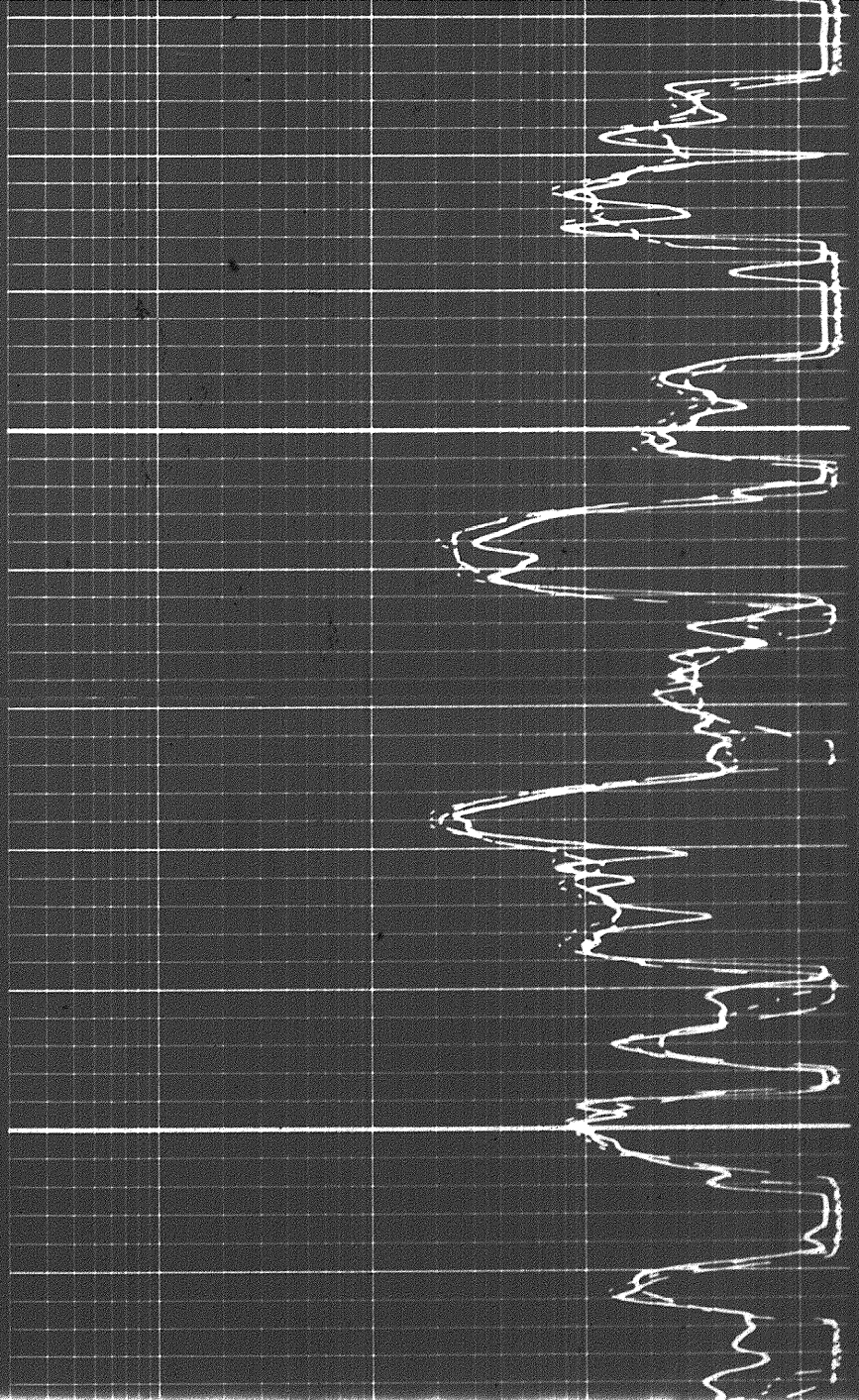
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1050

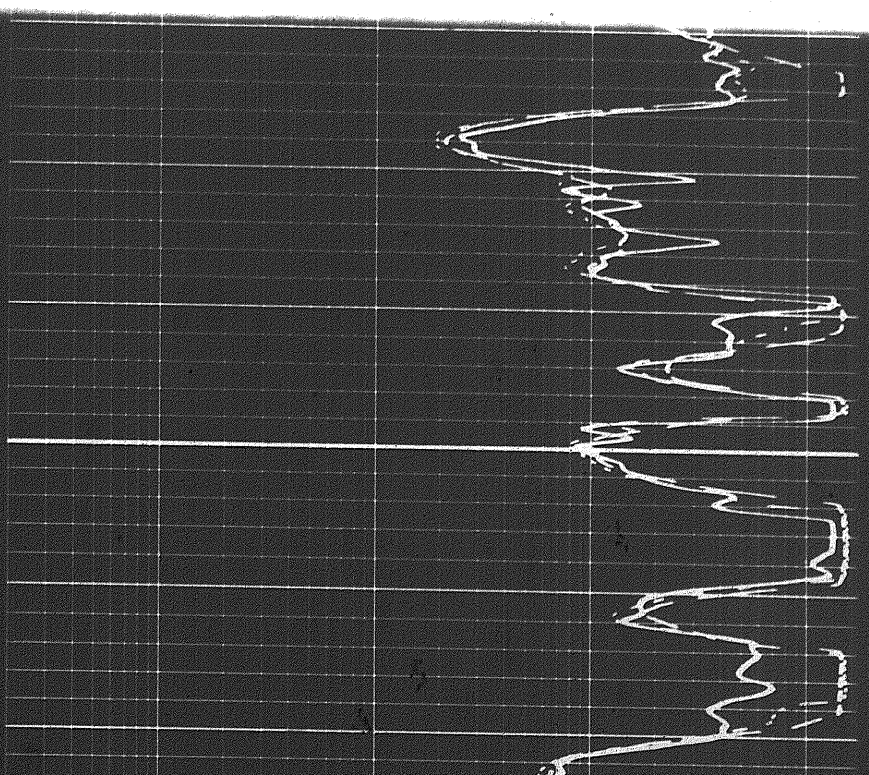


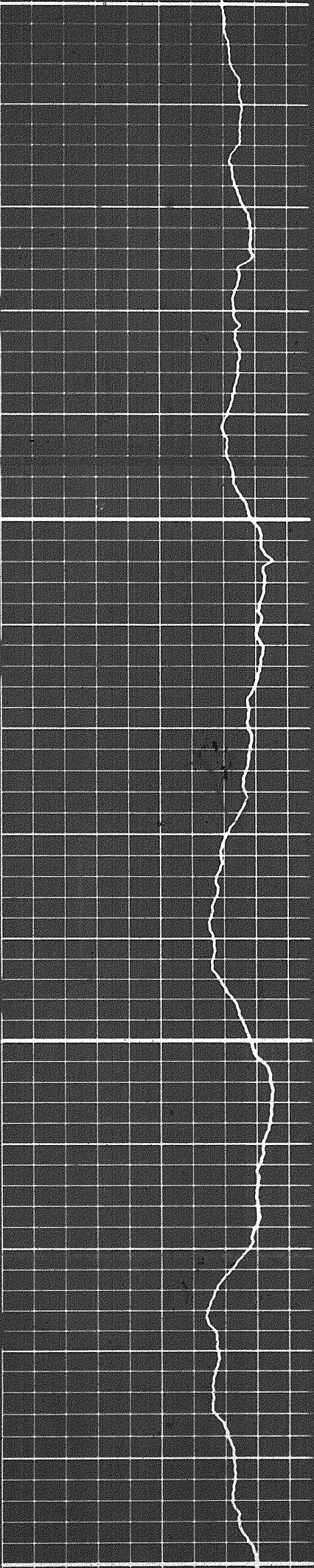


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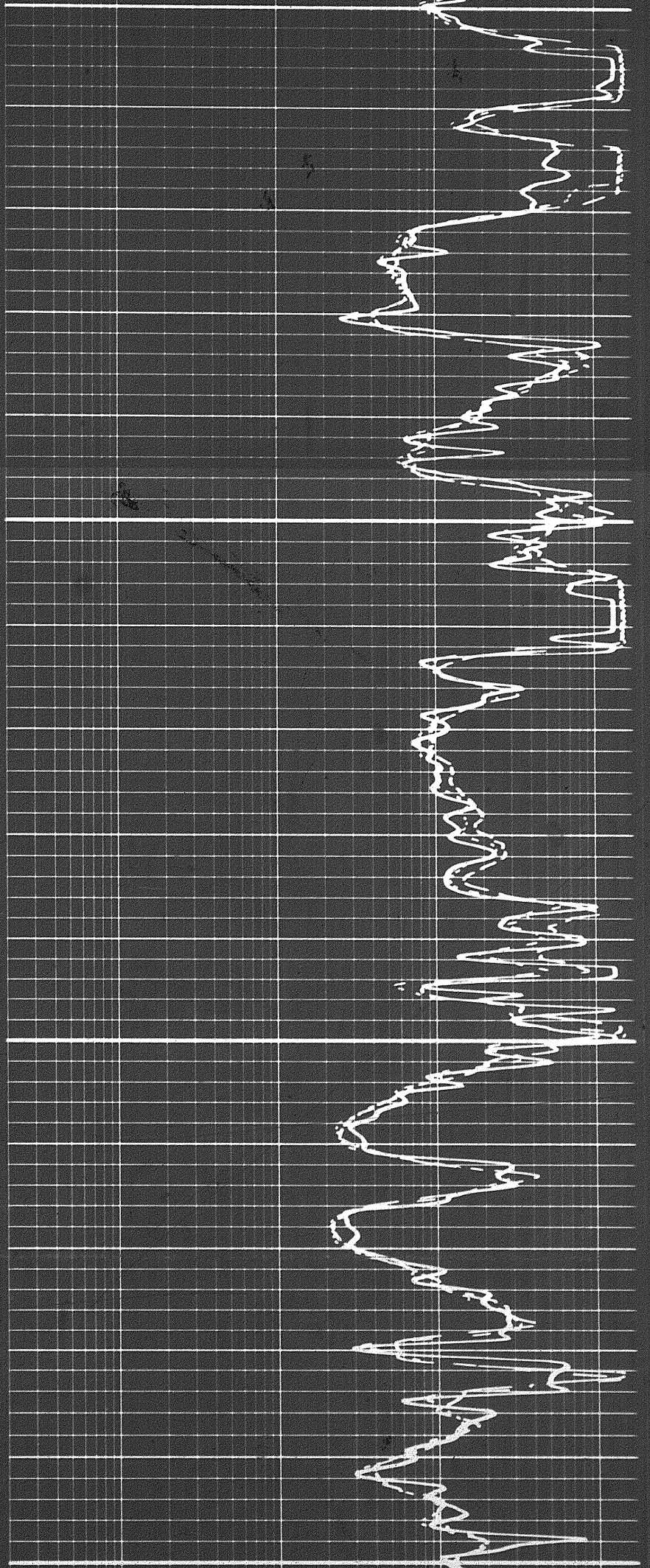
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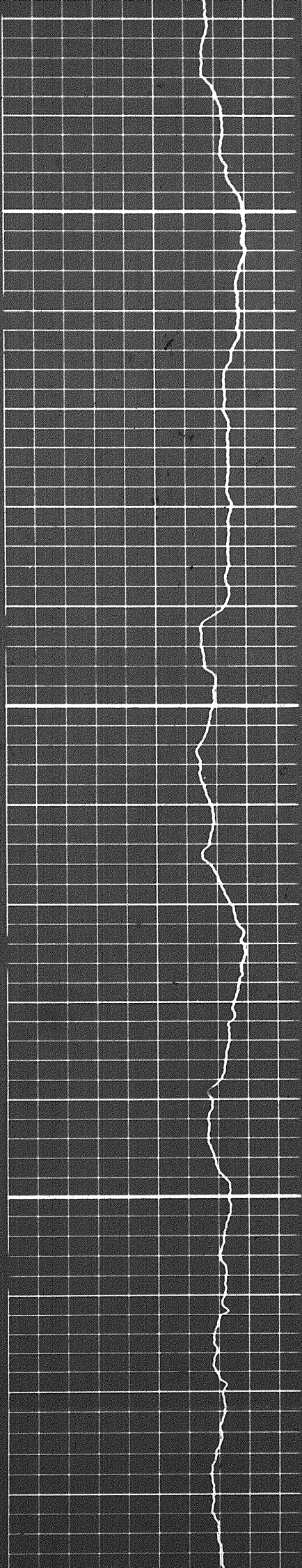




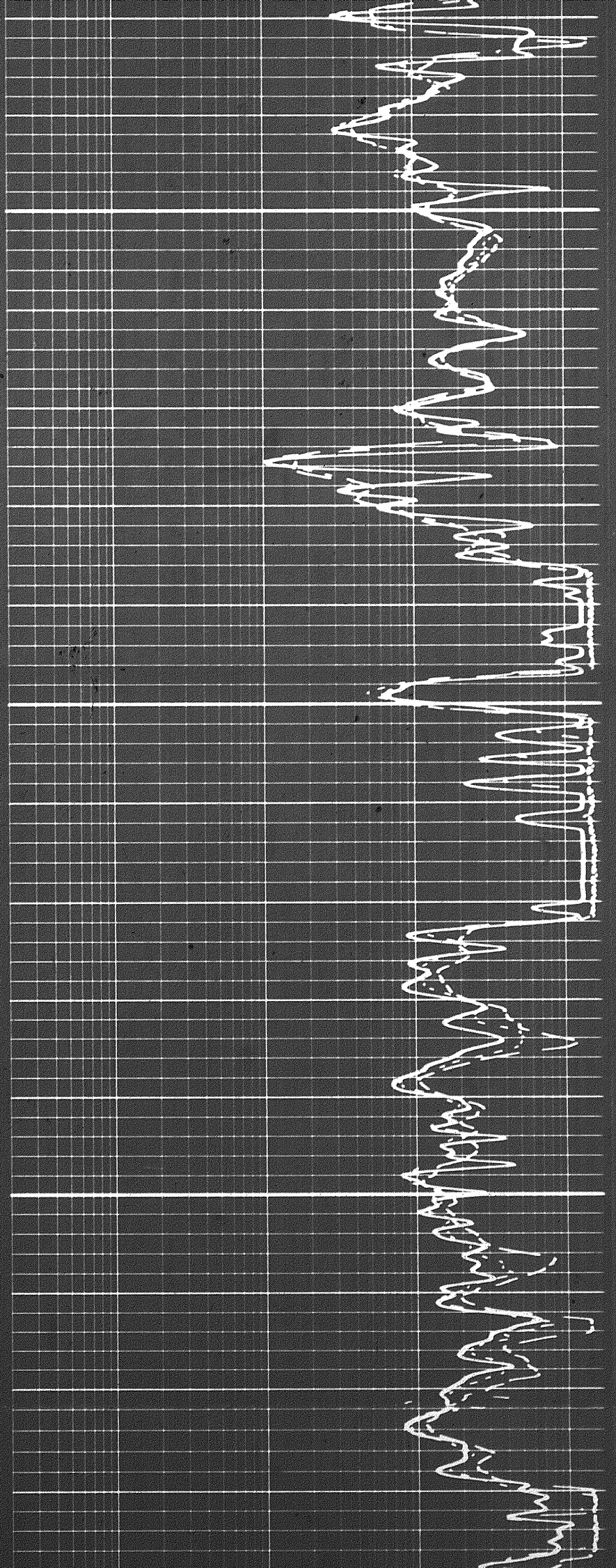
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1150

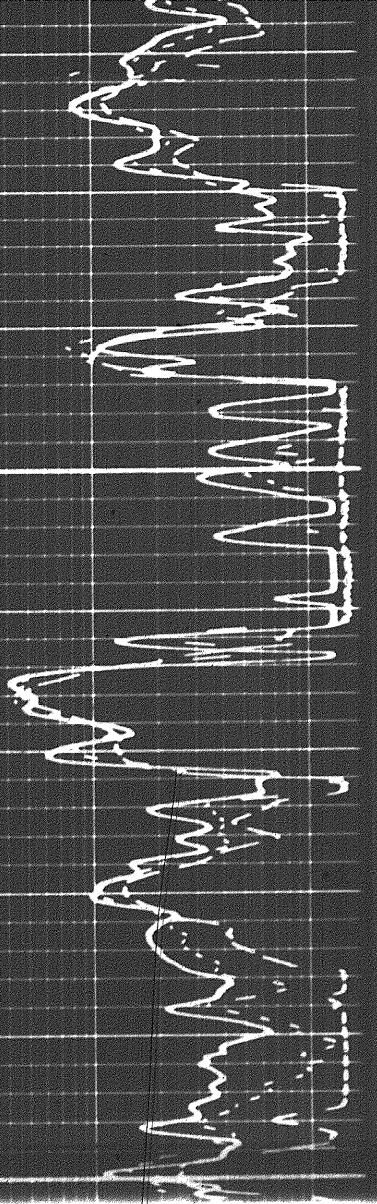




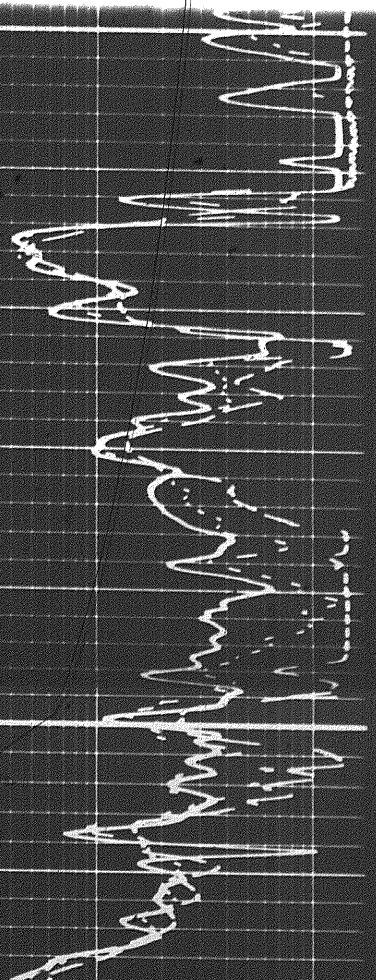
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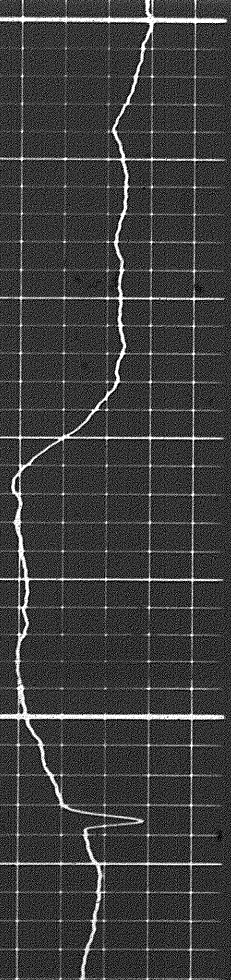
1250



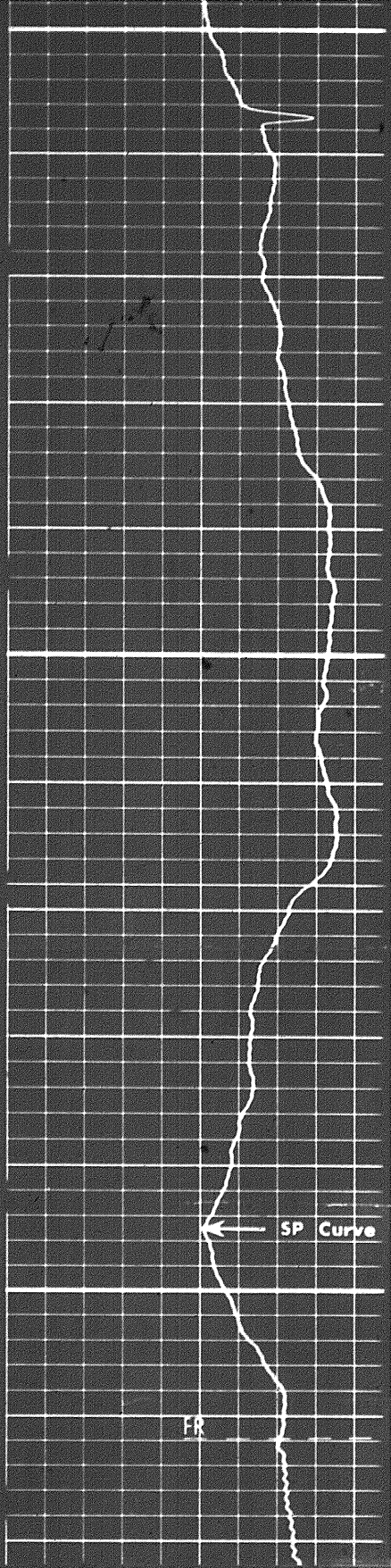
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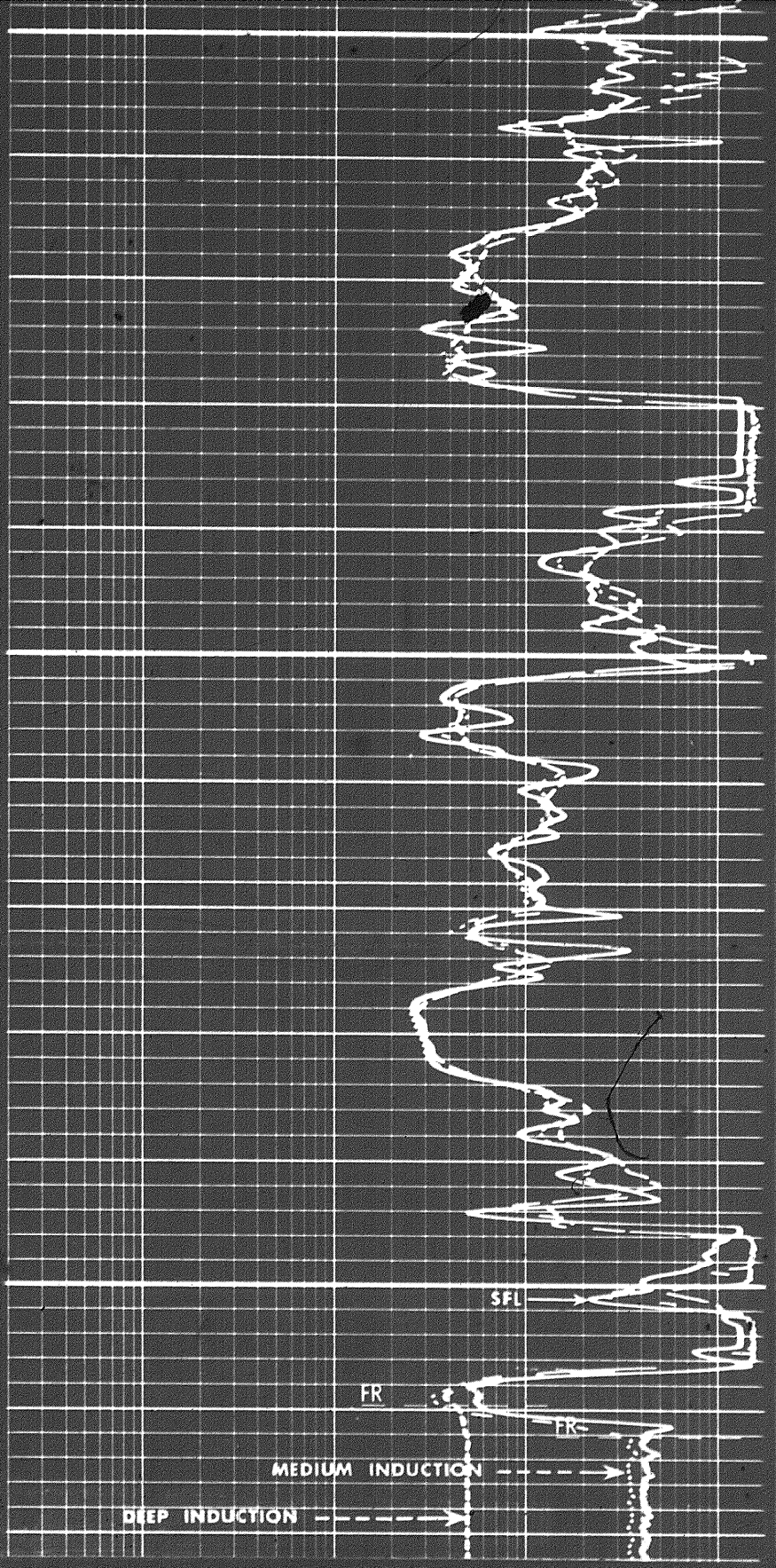
250



250



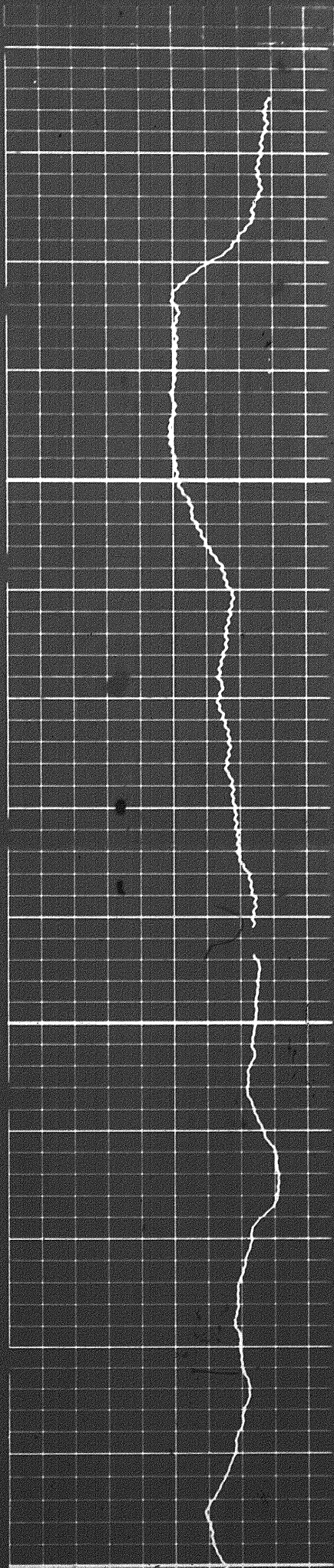
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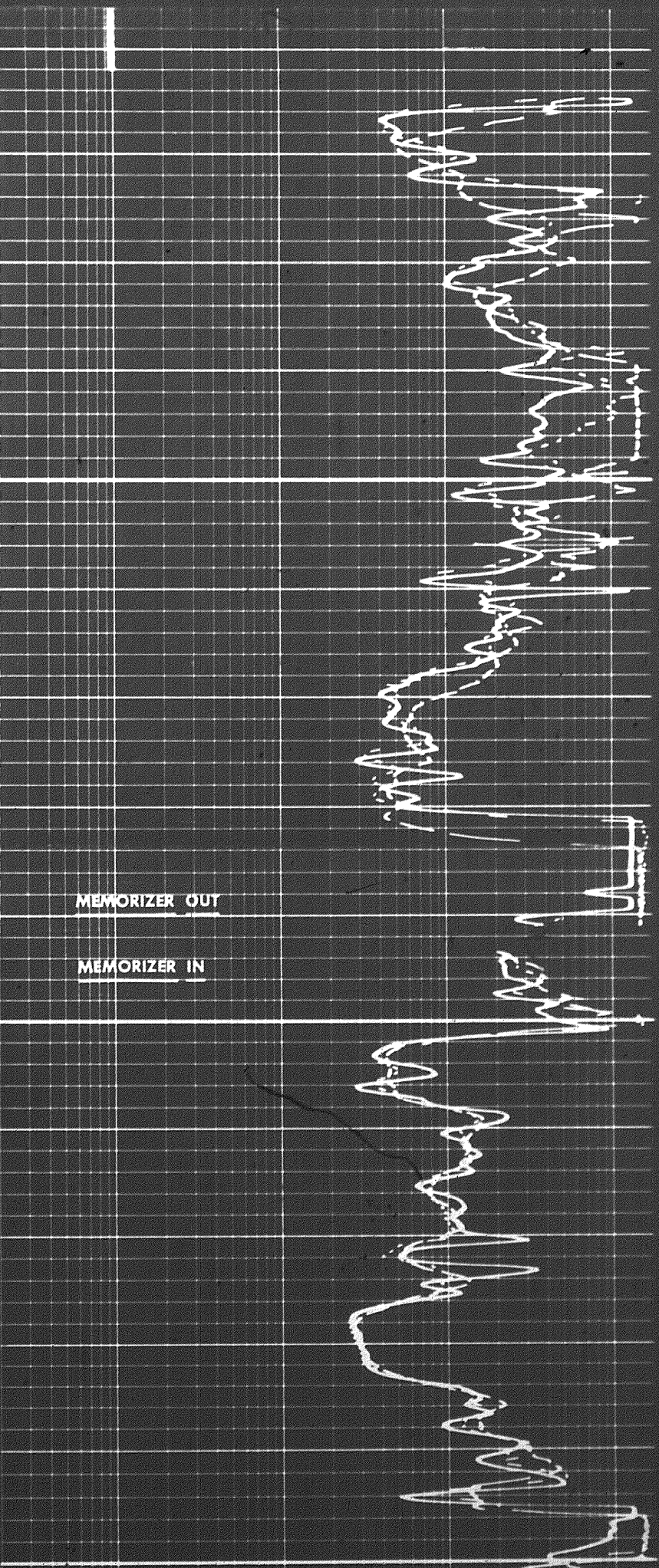
REPEAT SECTION



ER



MEMORIZER OUT
LOG INVALID — MEMORIZER OUT



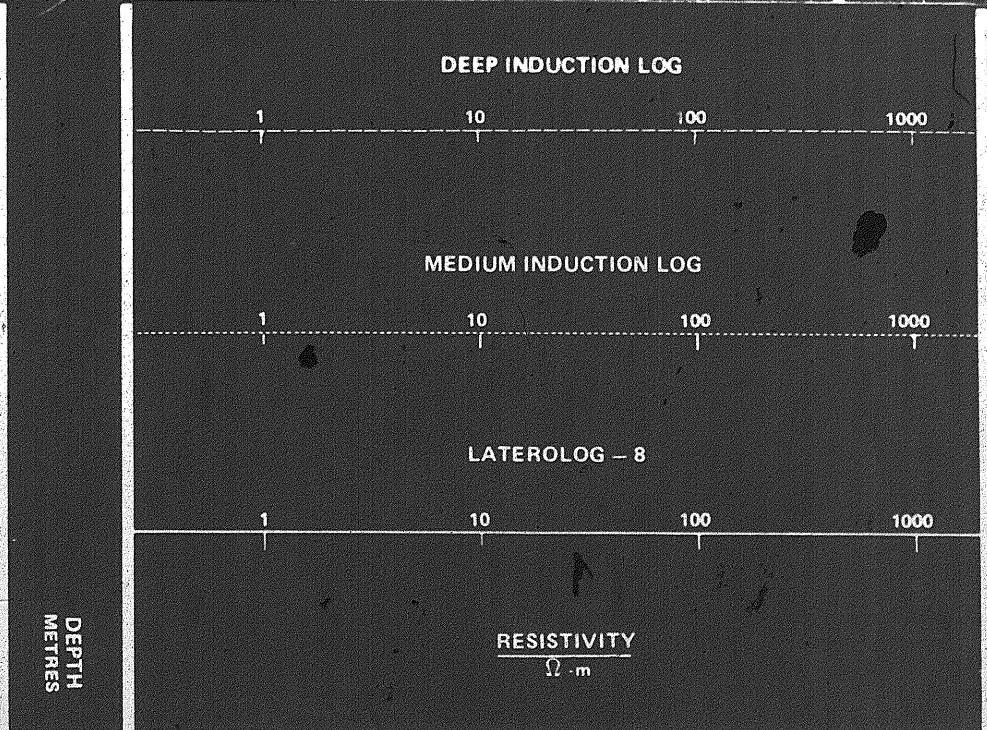
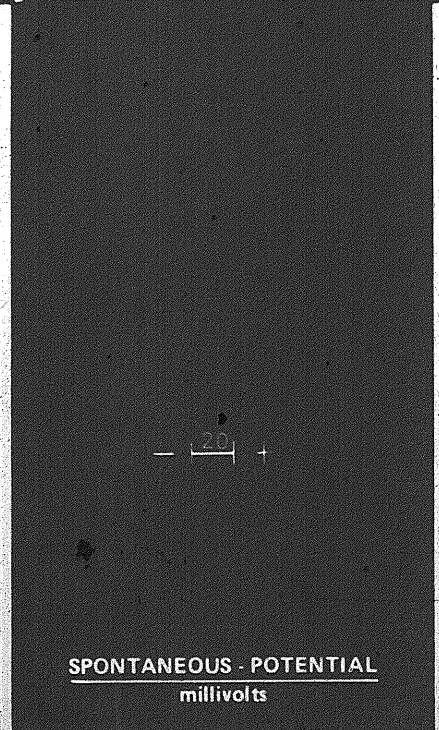
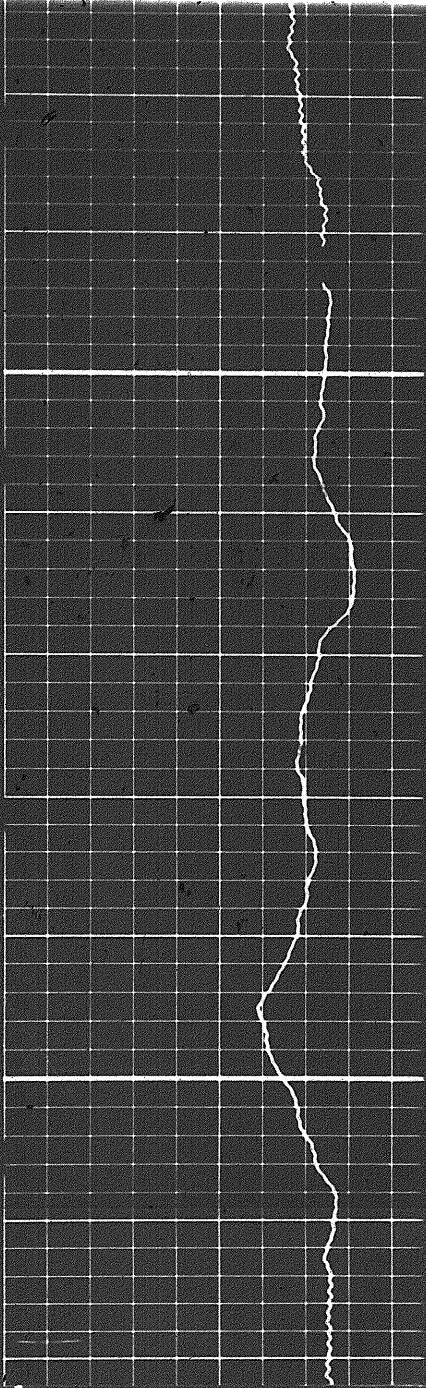
MEMORIZER OUT

MEMORIZER IN

R OUT

MEMORIZER OUT

MEMORIZER IN



DEPTH
METRES

- 20 +

LATEROLOG - 8

1 10 100 1000

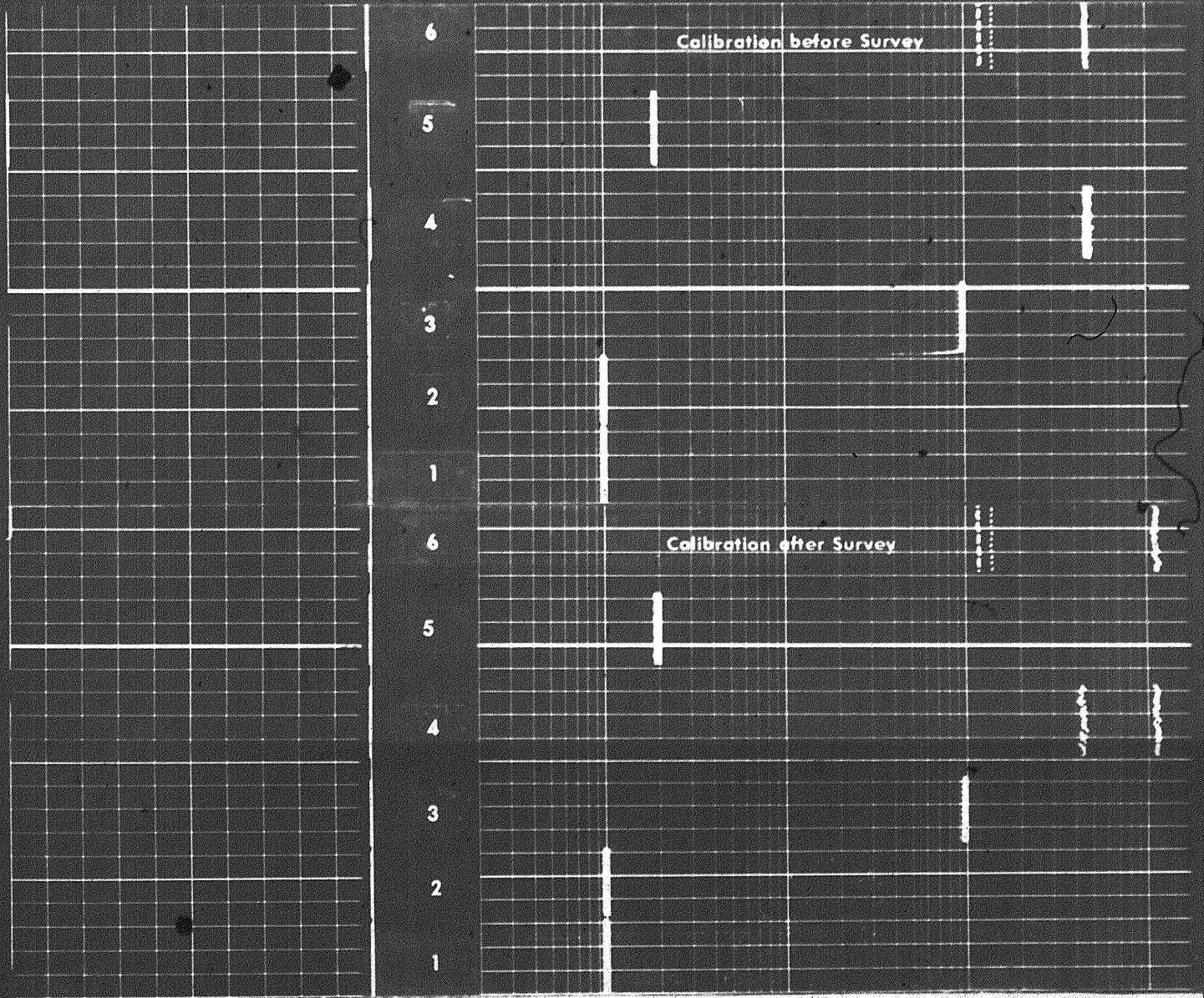
SPONTANEOUS - POTENTIAL
millivolts

DEPTH
METRES

RESISTIVITY
 $\Omega \cdot m$

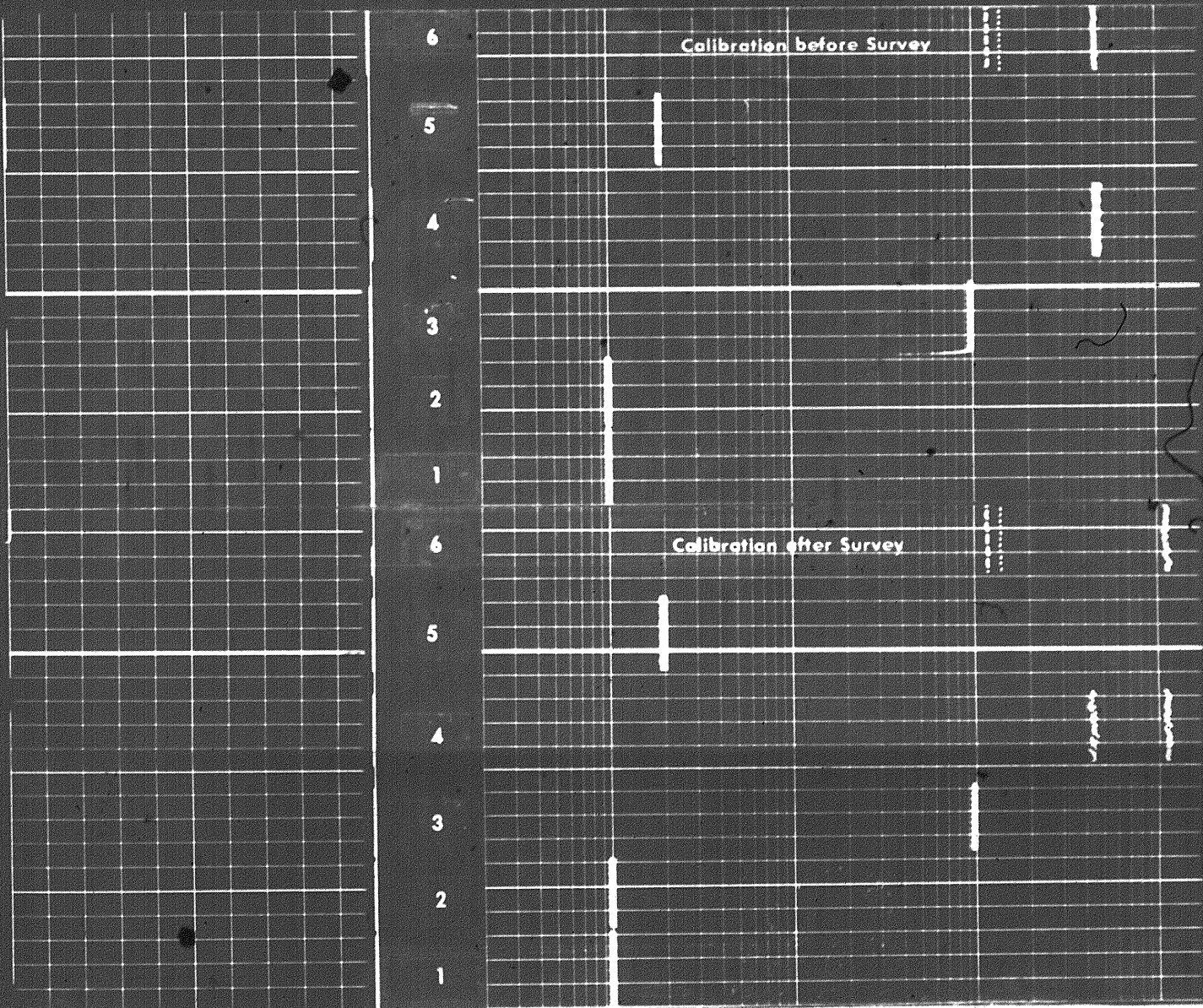
CALIBRATION RECORD

820028



DUAL INDUCTION CALIBRATION FILM CODING

- 1. MECHANICAL ZERO
- 2. $1 \Omega \cdot m$
- 3. $100 \Omega \cdot m$
- 4. ELECTRICAL ZERO ($500 \Omega \cdot m$)
- 5. $2 \Omega \cdot m$
- 6. SONDE ERRORS (mS/m)
- 7. ZERO SIGNAL IN AIR
- 8. I_{Ld} TEST LOOP ($2 \Omega \cdot m$ SIGNAL)
- 9. I_{Lm} TEST LOOP ($2 \Omega \cdot m$ SIGNAL)
- 10. R_{xo}/R_f UNITY
- 11. R_{xo}/R_f CALIBRATE



DUAL INDUCTION CALIBRATION FILM CODING

- 1. MECHANICAL ZERO
- 2. $1 \Omega \cdot m$
- 3. $100 \Omega \cdot m$
- 4. ELECTRICAL ZERO ($500 \Omega \cdot m$)
- 5. $2 \Omega \cdot m$
- 6. SONDE ERRORS (mS/m)
- 7. ZERO SIGNAL IN AIR
- 8. I_{Ld} TEST LOOP ($2 \Omega \cdot m$ SIGNAL)
- 9. I_{Lm} TEST LOOP ($2 \Omega \cdot m$ SIGNAL)
- 10. R_{xo}/R_t UNITY
- 11. R_{xo}/R_t CALIBRATE

COMPANY COLUMBIA GAS DEVELOPMENT OF CANADA LTD.

WELL COLUMBIA ET AL KOTANEELEE YT M-17

FIELD W.C.

PROVINCE YUKON

SCHL. FR 1330 m

SCHL. TD 33 m

DRLR. TD 1332 m

Elev.: KB 419.10 m

DF m

GL 411.48 m