Schlumberger

FOUR — ARM
HIGH RESOLUTION
CONTINUOUS DIPMETER

COUNTY
FIELD or LOCATION
WELL
COMPANY

COMPANY STANDARD OIL COMPANY OF CALIFORNIA

WELL SCHROEDER #1

FIELD BRIER - PUGET SOUND AREA

COUNTY SNOHOMISH STATE WASHINGTON

LOCATION 704.05'N 0°24'43"E ALONG WEST SEC. LINE THENCE 1327.93'S 87°19'03"E OF THE SW CORNER OF
Sec. 26 Twp. 27N Rge. 4E

Other Services:
DIL
FDC-GNL-GR
BHC
ST

Permanent Datum: G.L. , Elev. 366.17
Log Measured From DF , 19 Ft. Above Perm. Datum
Drilling Measured From 19

Elev.: K.B. —
D.F. 385.17
G.L. 366.17

Date	8- -72			
Run No.				
Depth—Driller	9671			
Depth—Logger	9668			
Btm. Log Interval	9667			
Top Log Interval	6745			
Casing—Driller	9 5/8 @ 6745	@	@	@
Casing—Logger	6745			
Bit Size	8 1/2			
Type Fluid in Hole	LIGNOSULFONATE			
Dens. / Visc.	92 / 78	/	/	/
pH / Fluid Loss	10.2 / 5.6 ml	/ ml	/ ml	/ ml
Source of Sample	FLOWLINE			
R_m @ Meas. Temp.	1.05 @ 72 °F	@ °F	@ °F	@ °F
R_{mf} @ Meas. Temp.	0.86 @ 72 °F	@ °F	@ °F	@ °F
R_{mc} @ Meas. Temp.	1.7 @ 72 °F	@ °F	@ °F	@ °F
Source: R_{mf} / R_{mc}	M / C	/	/	/
R_m @ BHT	0.48 @ 154 °F	@ °F	@ °F	@ °F
Time Since Circ.	15 HRS			
Max. Rec. Temp.	161 °F	°F	°F	°F
Equip. / Location	5106 / SAC	/	/	/
Recorded By	WEEKS			
Witnessed By	JOHNSON			

SWS-1500-D

FOLD HERE

The well name, location and borehole reference data were furnished by the customer.

Run No.	1	2	3	4
Tool Type				
HDM No.				
HDE No.				
HDS No.	704			
DPI No.				
Magnetic Declination				

Changes in Mud Type or Additional Samples				
Date / Sample No.	/			
Depth—Driller				
Type Fluid in Hole				
Dens. / Visc.	/			
pH / Fluid Loss	/ ml			
Source of Sample				
R_m @ Meas. Temp.	@ °F	@ °F	@ °F	@ °F
R_{mf} @ Meas. Temp.	@ °F	@ °F	@ °F	@ °F
R_{mc} @ Meas. Temp.	@ °F	@ °F	@ °F	@ °F
Source: R_{mf} / R_{mc}	/			
R_m @ BHT	@ °F	@ °F	@ °F	@ °F
R_{mf} @ BHT	@ °F	@ °F	@ °F	@ °F
R_{mc} @ BHT	@ °F	@ °F	@ °F	@ °F

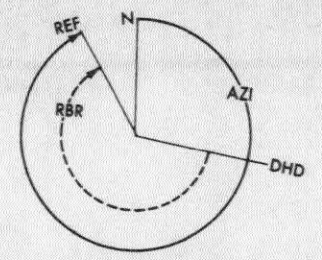
CHECK IF USED: UG ☐ CG ☐ SAH ☐ 5" FILM ☑ 10" FILM ☐ 60" RECORD ☑ ANALOG ☐ DIGITAL ☑

REMARKS

TOOL AZIMUTH AND HOLE DIRECTION CALCULATION

DEFINITIONS

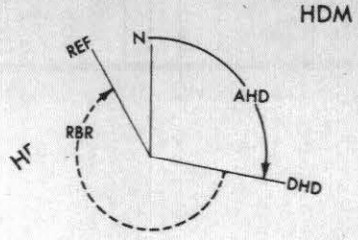
(DHD) HIGH SIDE OF TOOL = Direction from center of tool to upper side of tool.
(N) NORTH = Direction from center of tool to Magnetic North.
(REF) REFERENCE ELECTRODE = Direction from center of tool to #1 electrode.
(AZI) AZIMUTH OF REFERENCE ELECTRODE = Clockwise angle from N to REF.
(RBR) RELATIVE BEARING = Clockwise angle from DHD to REF.
(AHD) AZIMUTH OF HOLE DEVIATION (TOOL AXIS) = Clockwise angle from N to DHD.



EXAMPLE

HDM – Low Angle Unit (0-36°)
AZI (solid curve) = 330°
RBR (dotted curve) = 230°
AHD = AZI – RBR = 330° – 230° = 100°

HDM



EXAMPLE

HDM – High Angle Unit (0-72°)
AHD (solid curve) = 100°
RBR (dotted curve) = 230°
AZI = AHD + RBR = 100° + 230° = 330°

ROLL NO.	INTERVAL
1	9685-7554
2	7700 - 6745

ORIENTATION

AZIMUTH

0° 120° 240° 360°

RELATIVE BEARING

0° 120° 240° 360°

DEVIATION

0° 9°

DEPTHS

CORRELATION CURVES

← CONDUCTIVITY

NO. 1
S. O.

NO. 2
S. O.

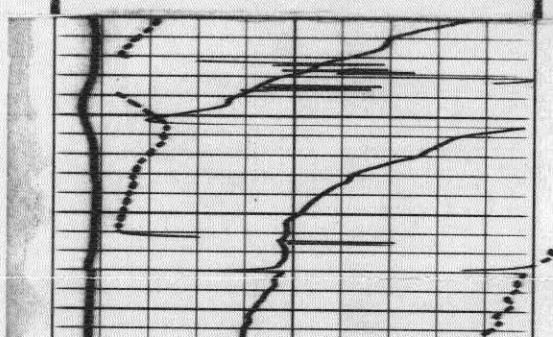
NO. 3
S. O.

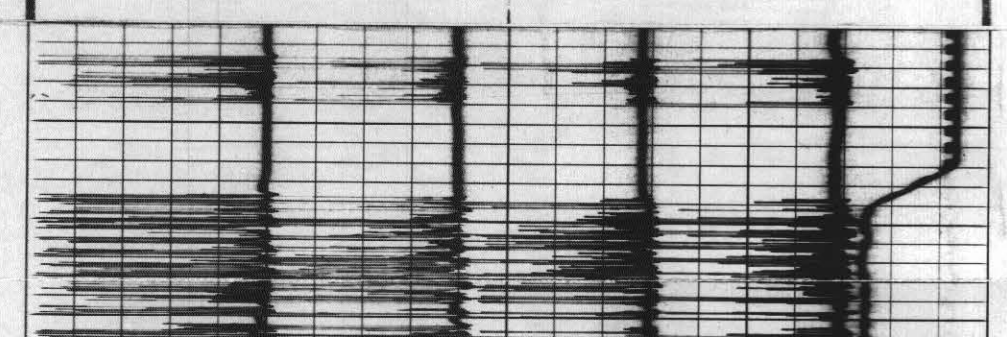
NO. 4
S. O.

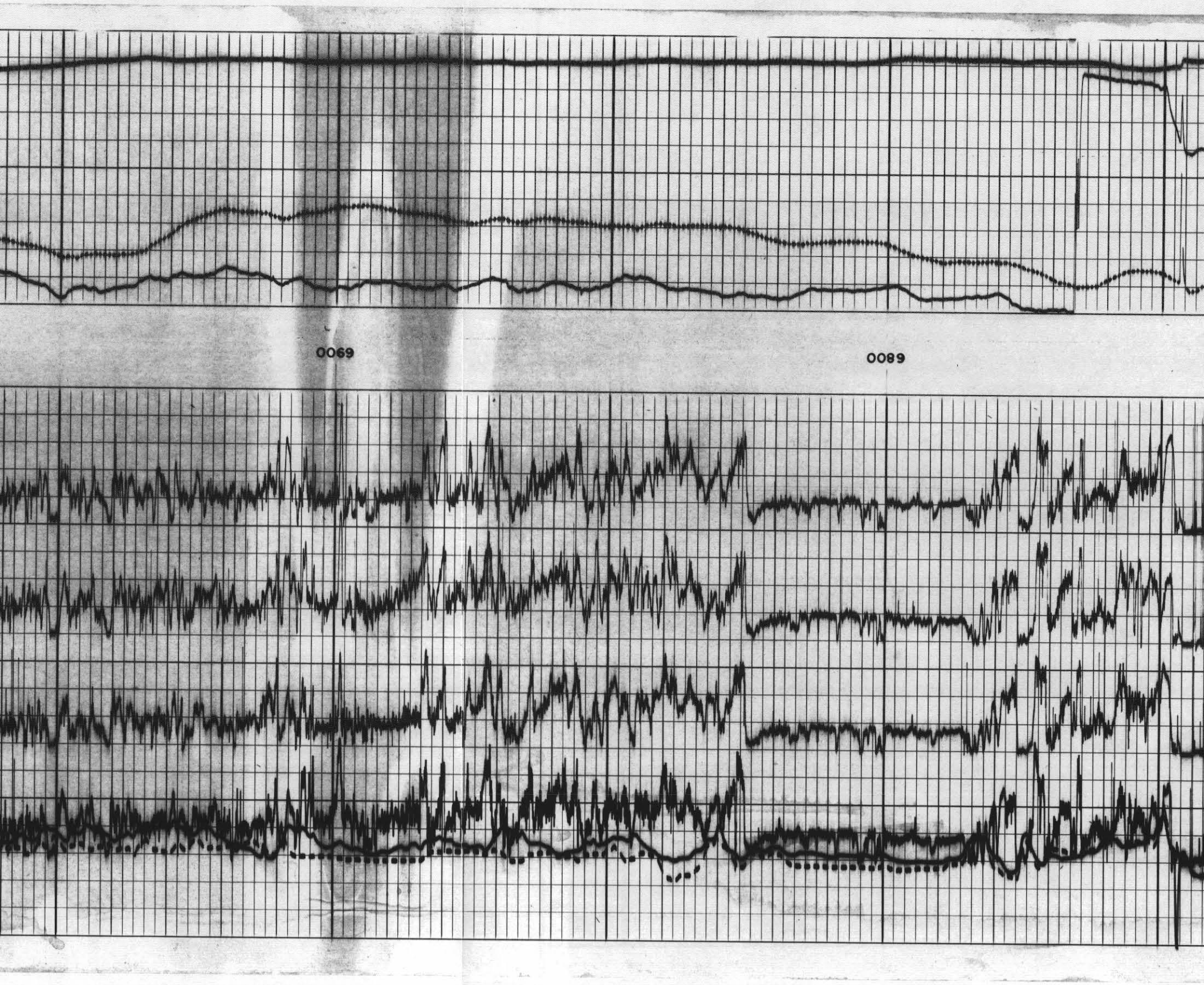
NOTE: DIGITAL DIPMETERS END OF RECORD GAP IS ON DEVIATION CURVE.

LONG SPACING MARK IS ON CALIPER 2 - 4.

4 ARM CALIPER
1 - 3 CALIPER
2 - 4 CALIPER
18" 16" 14" 12" 10" 8" 6"



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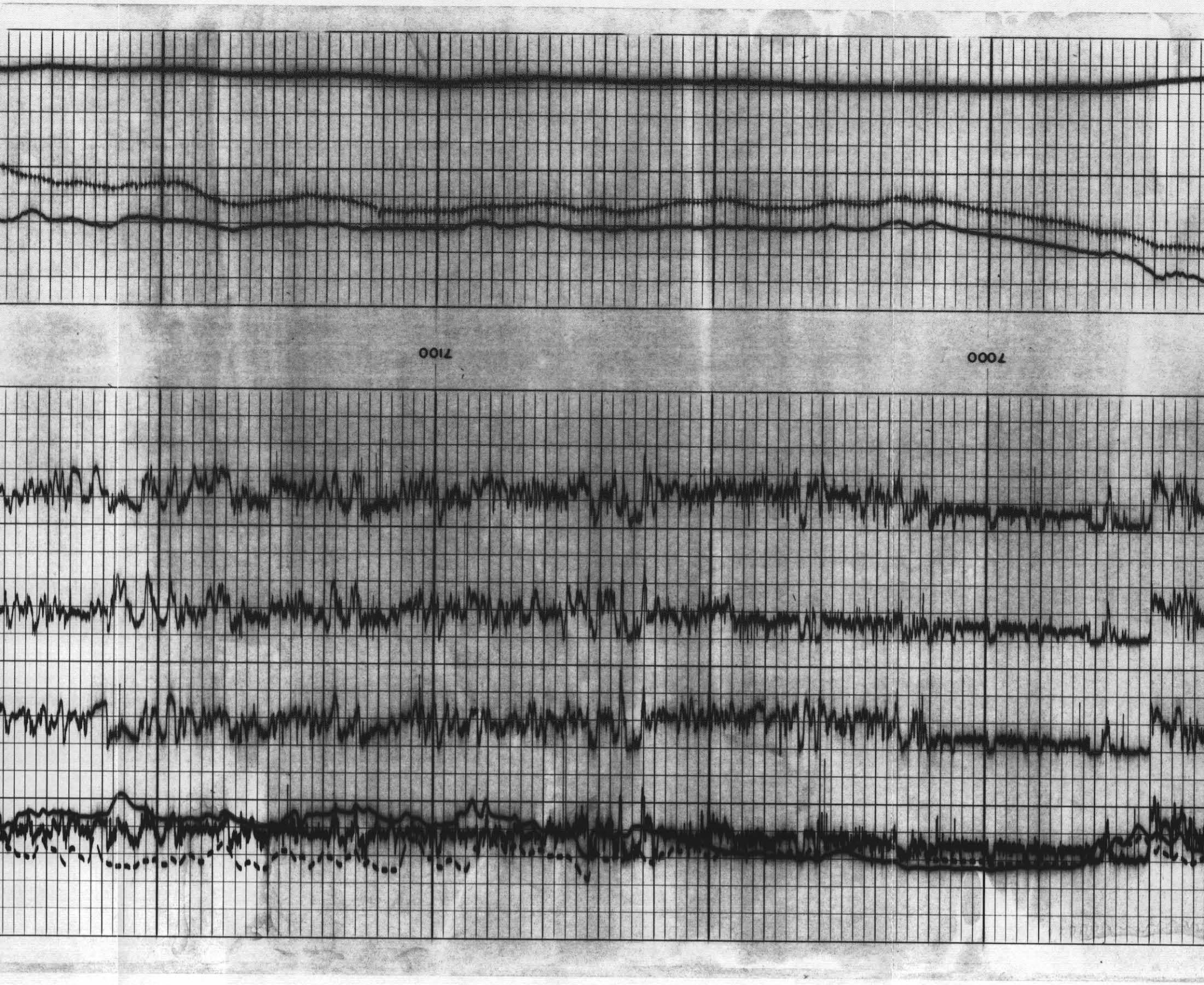
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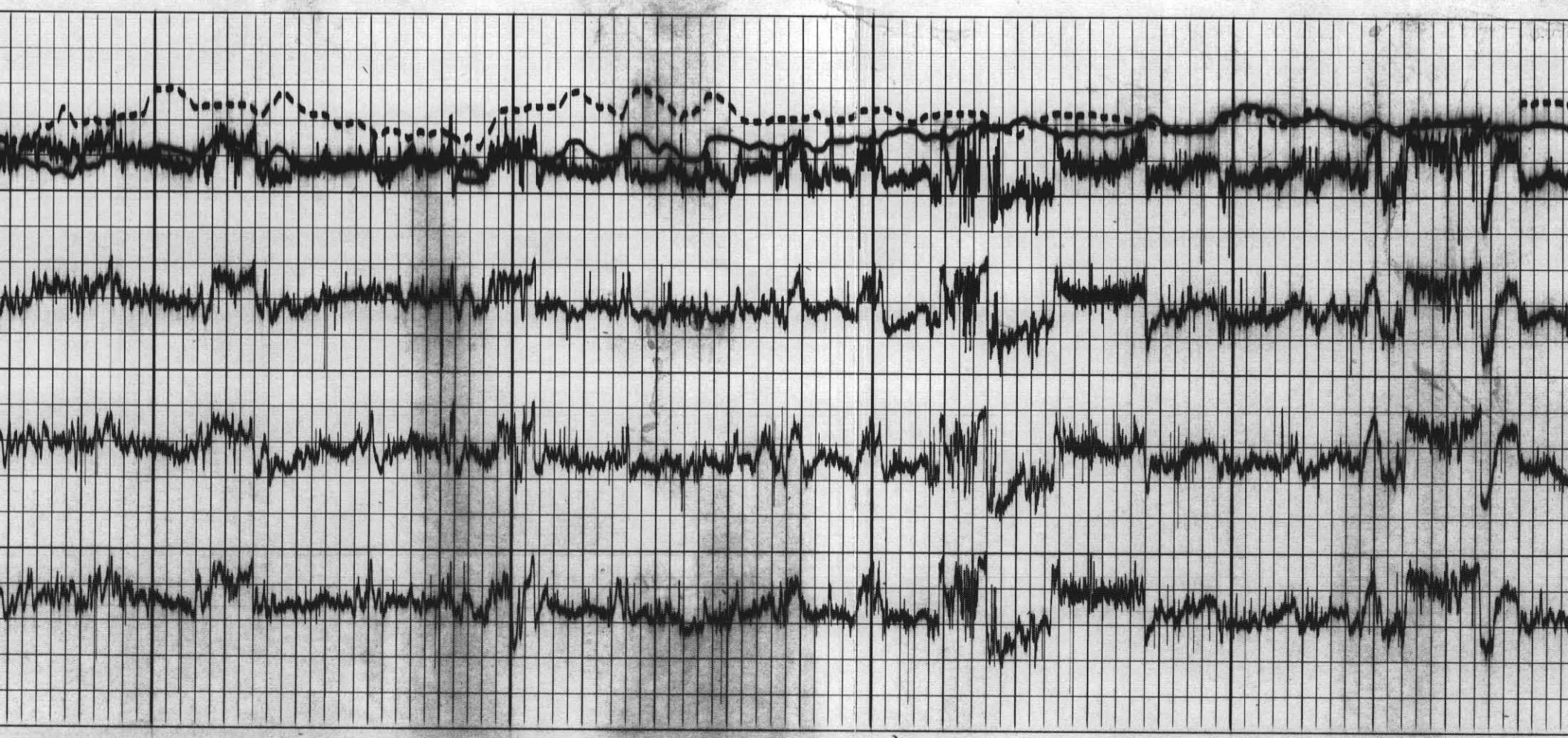

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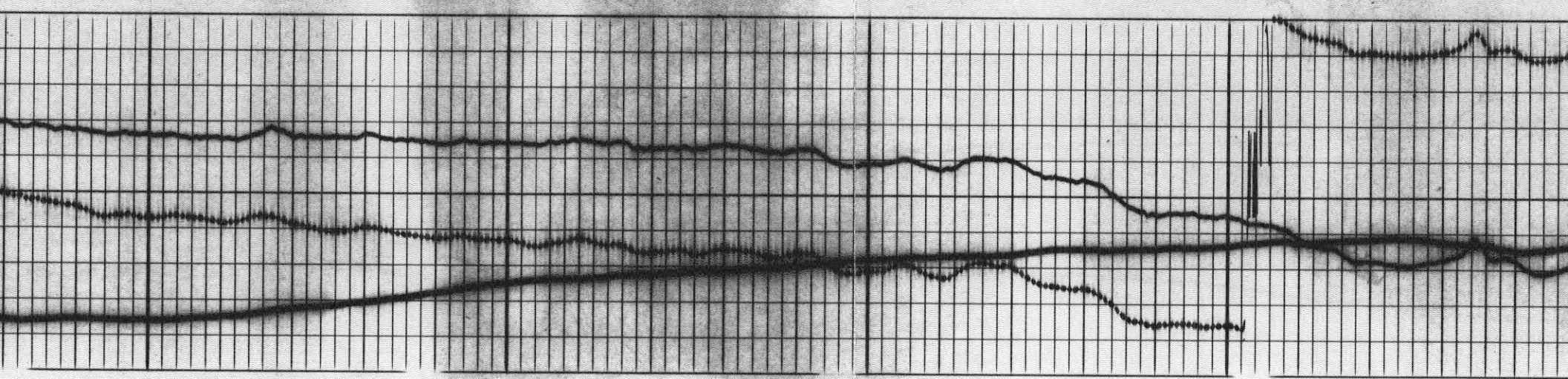

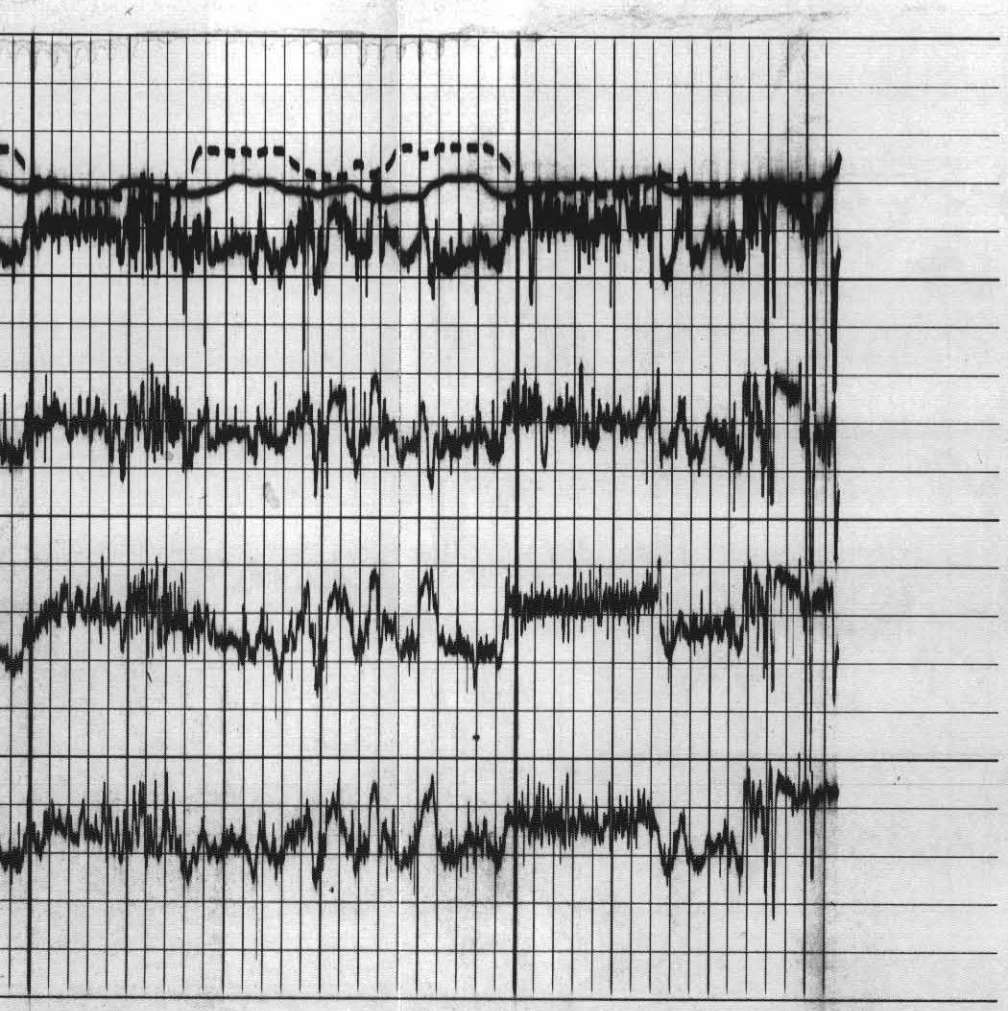

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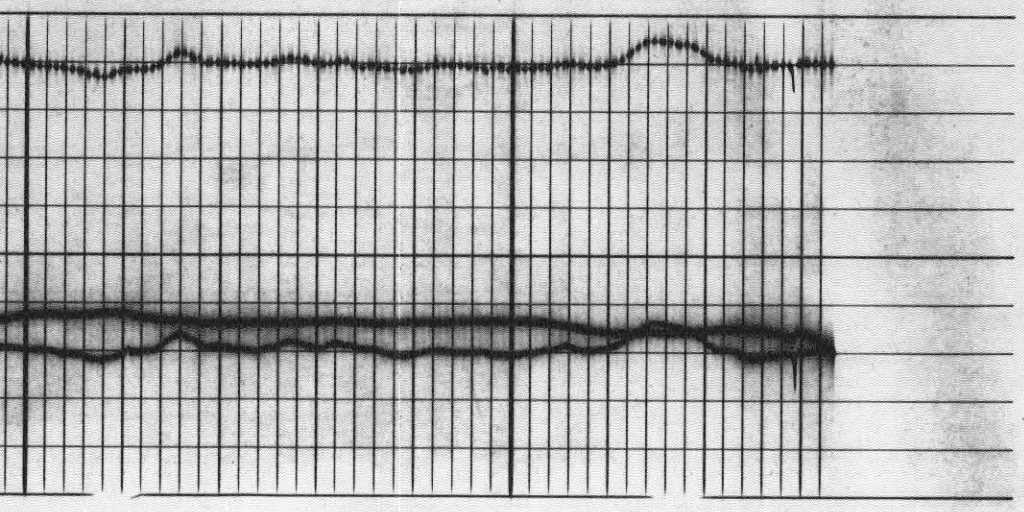

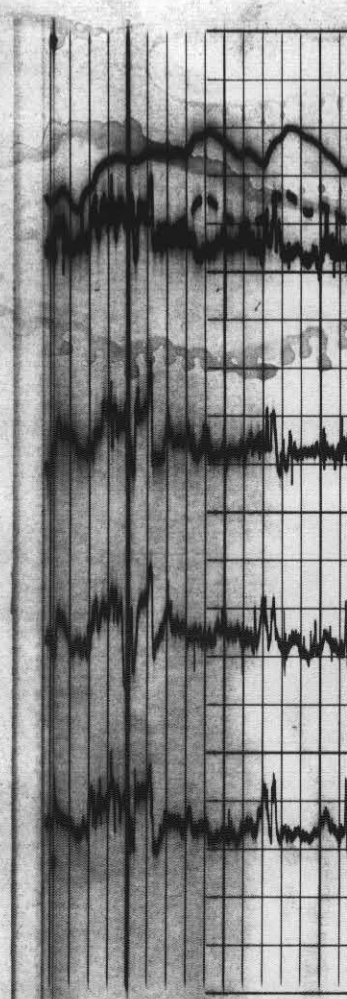

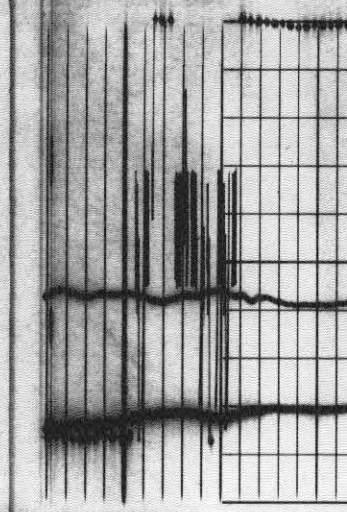

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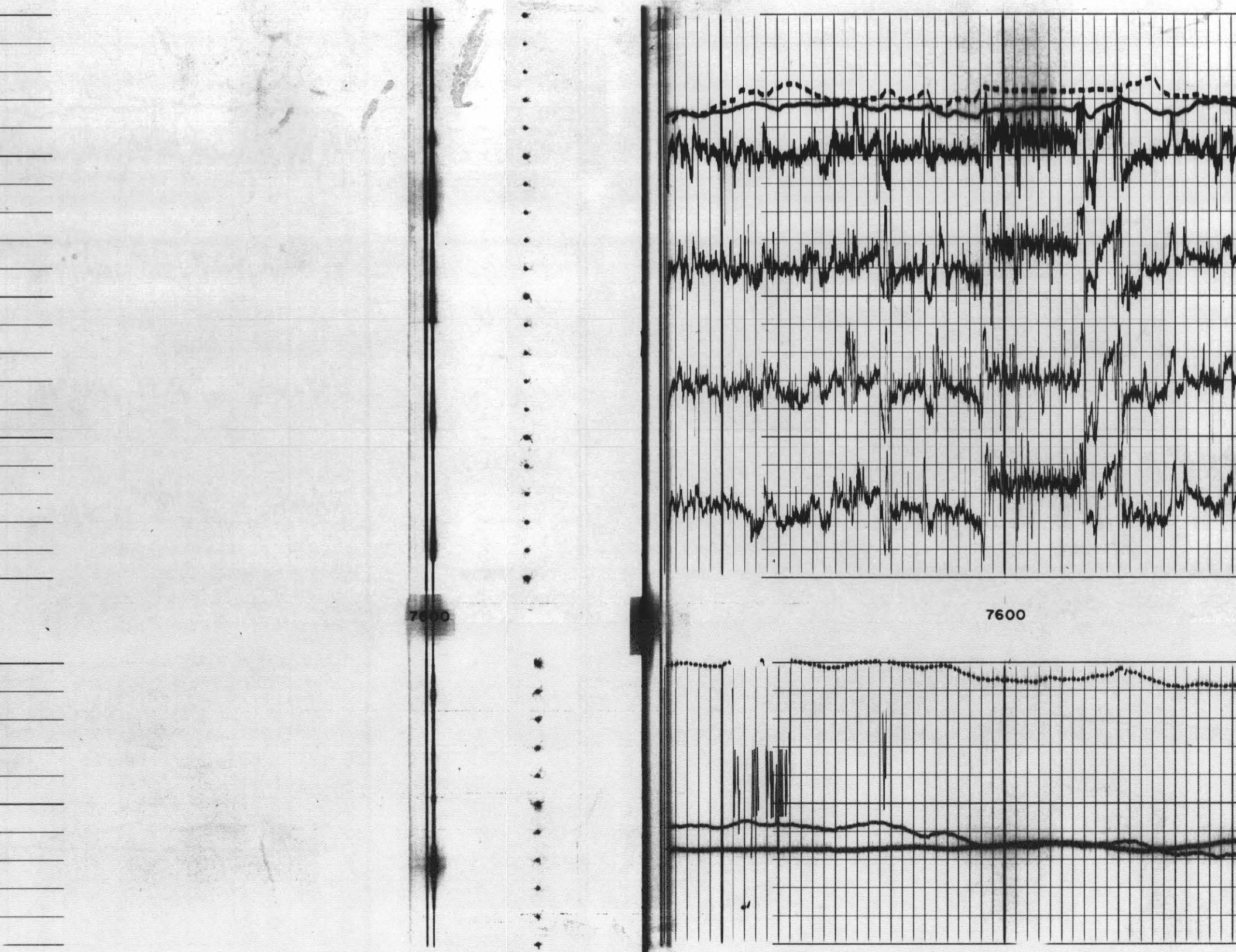
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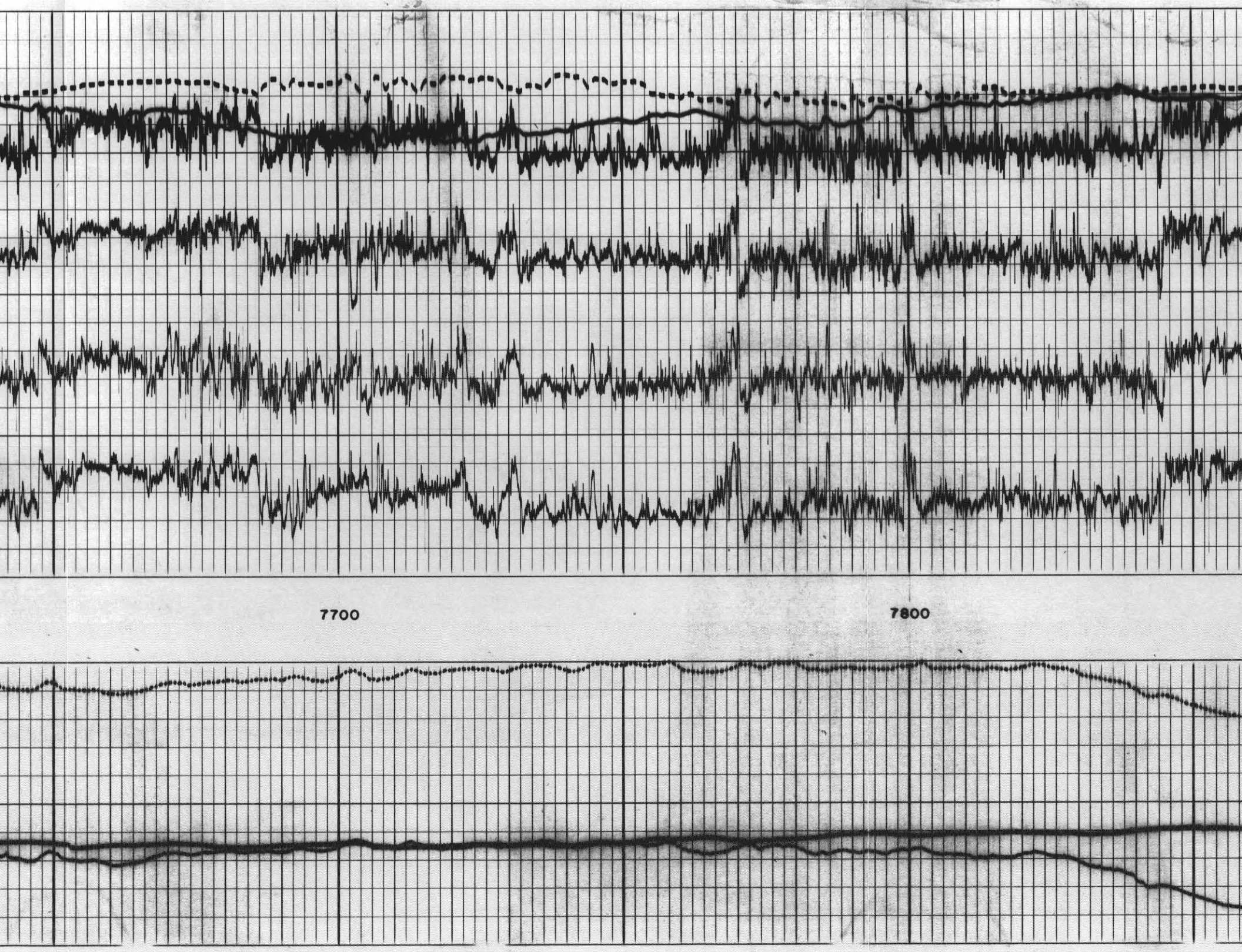
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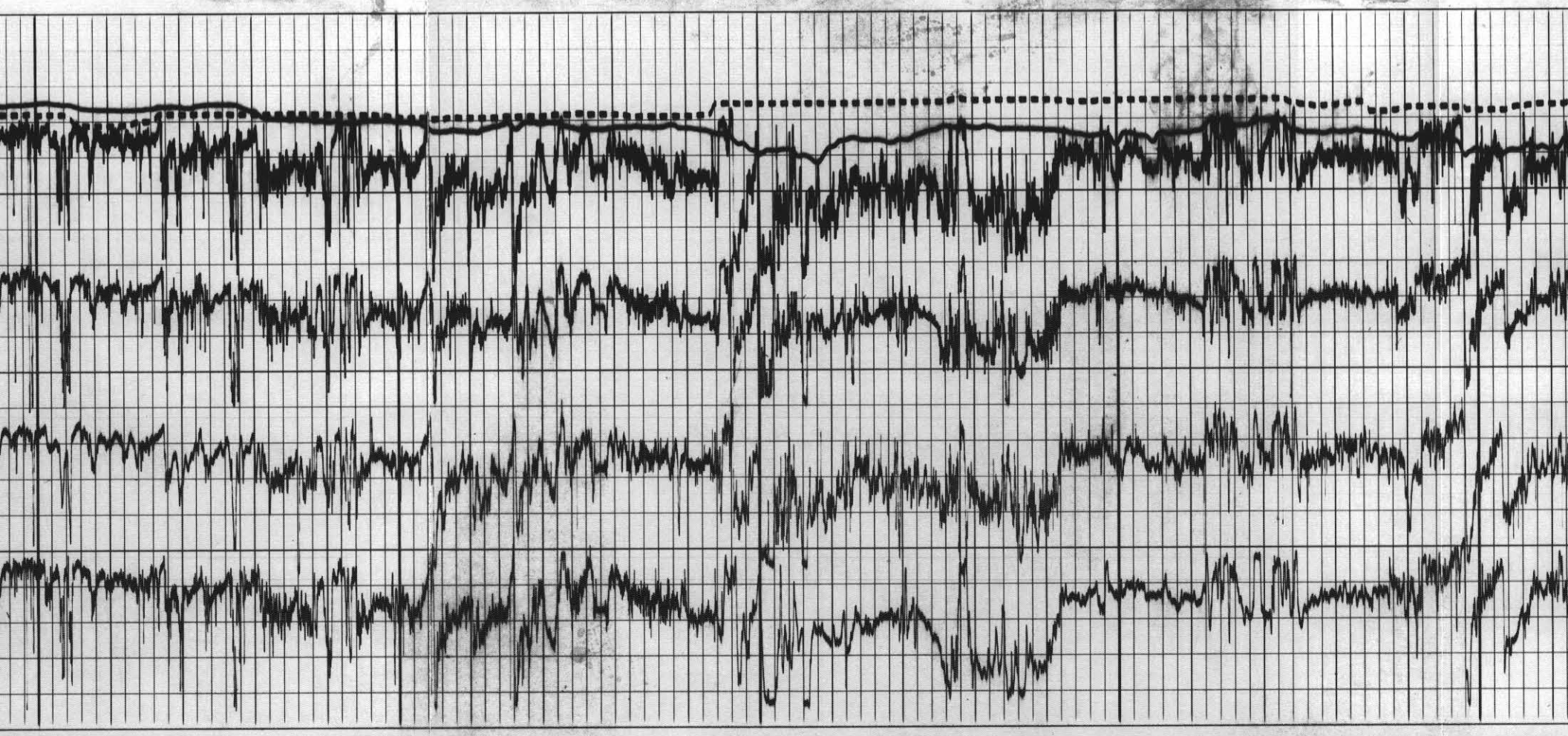
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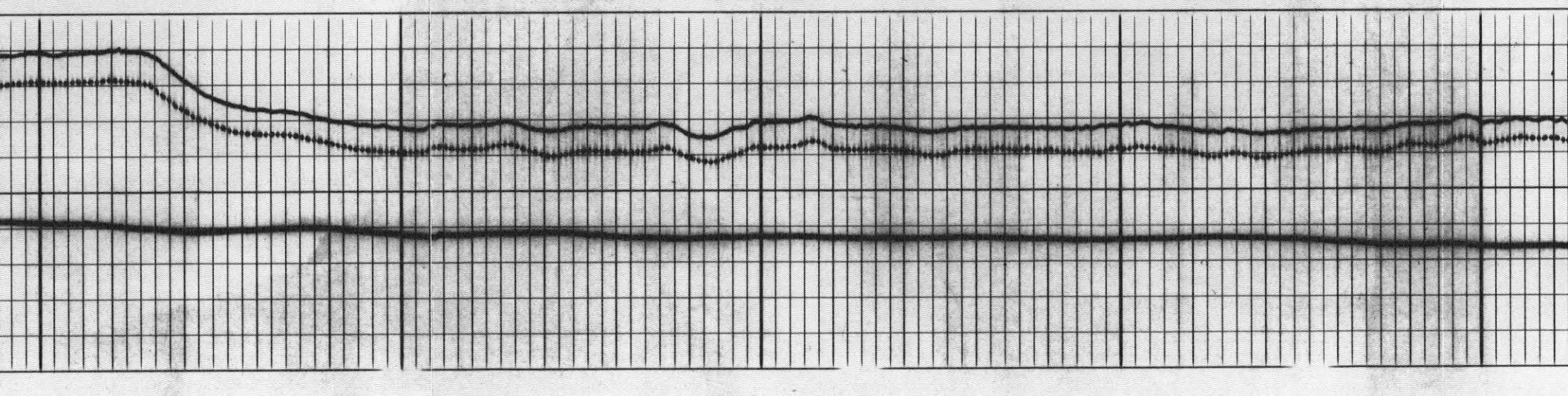

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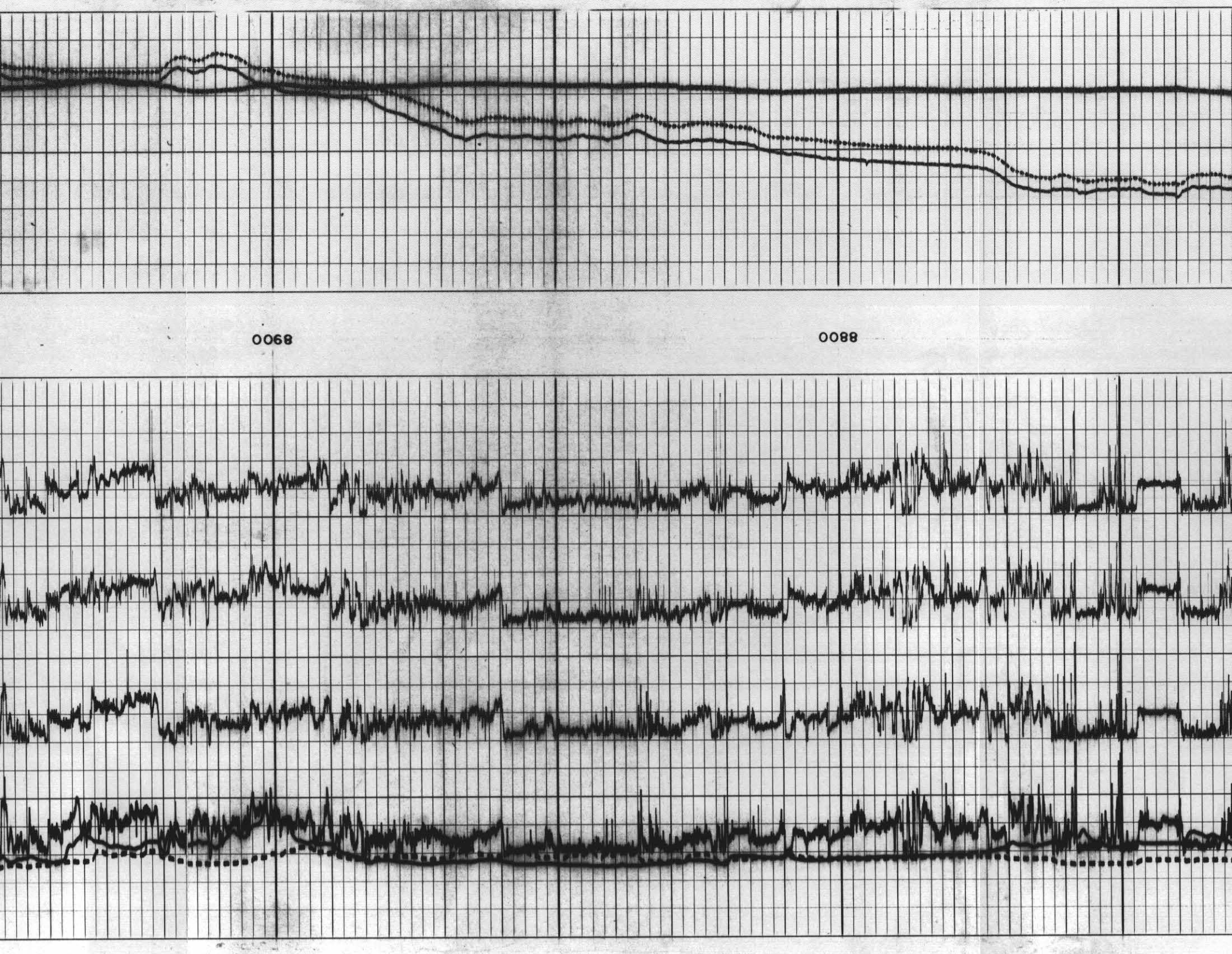
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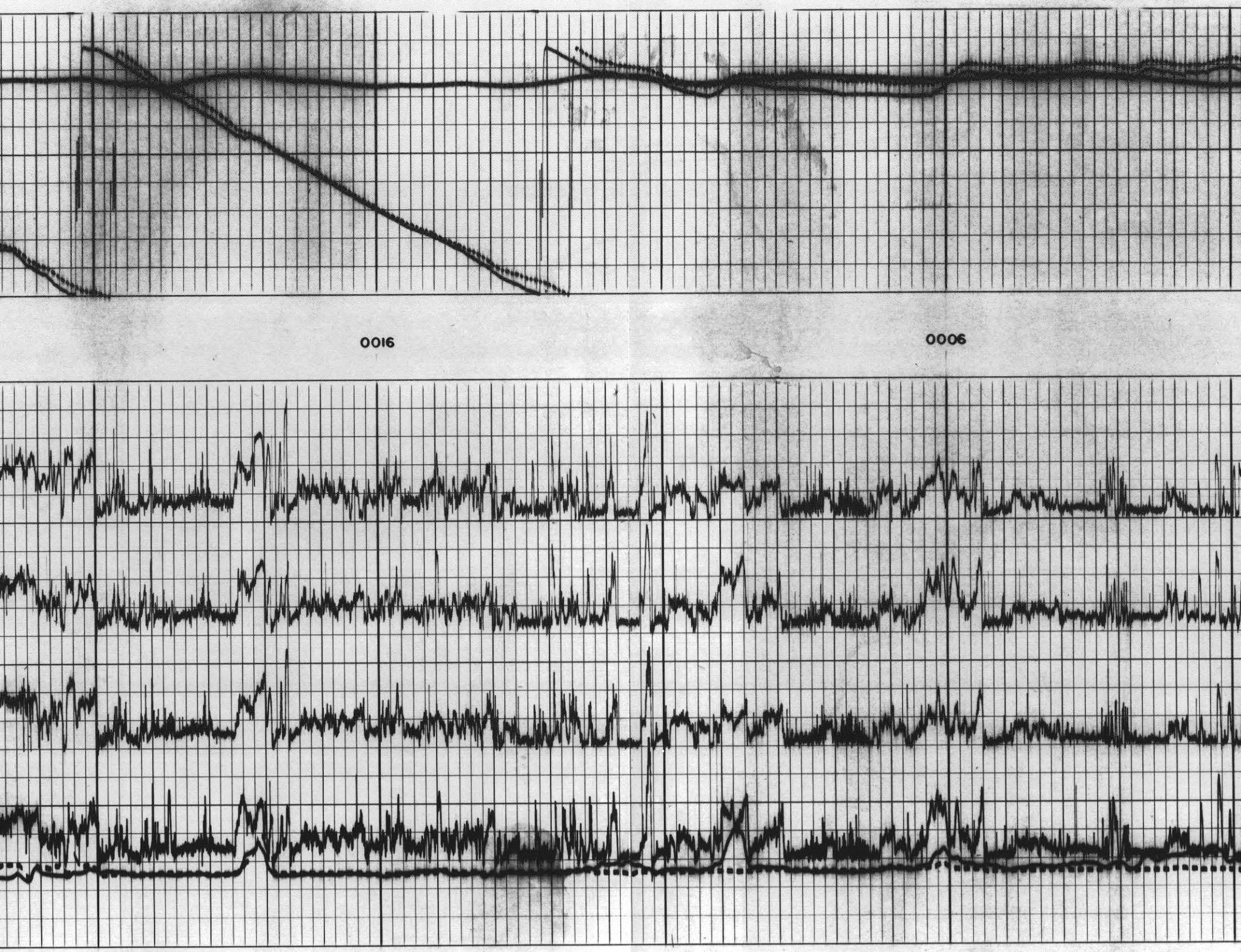
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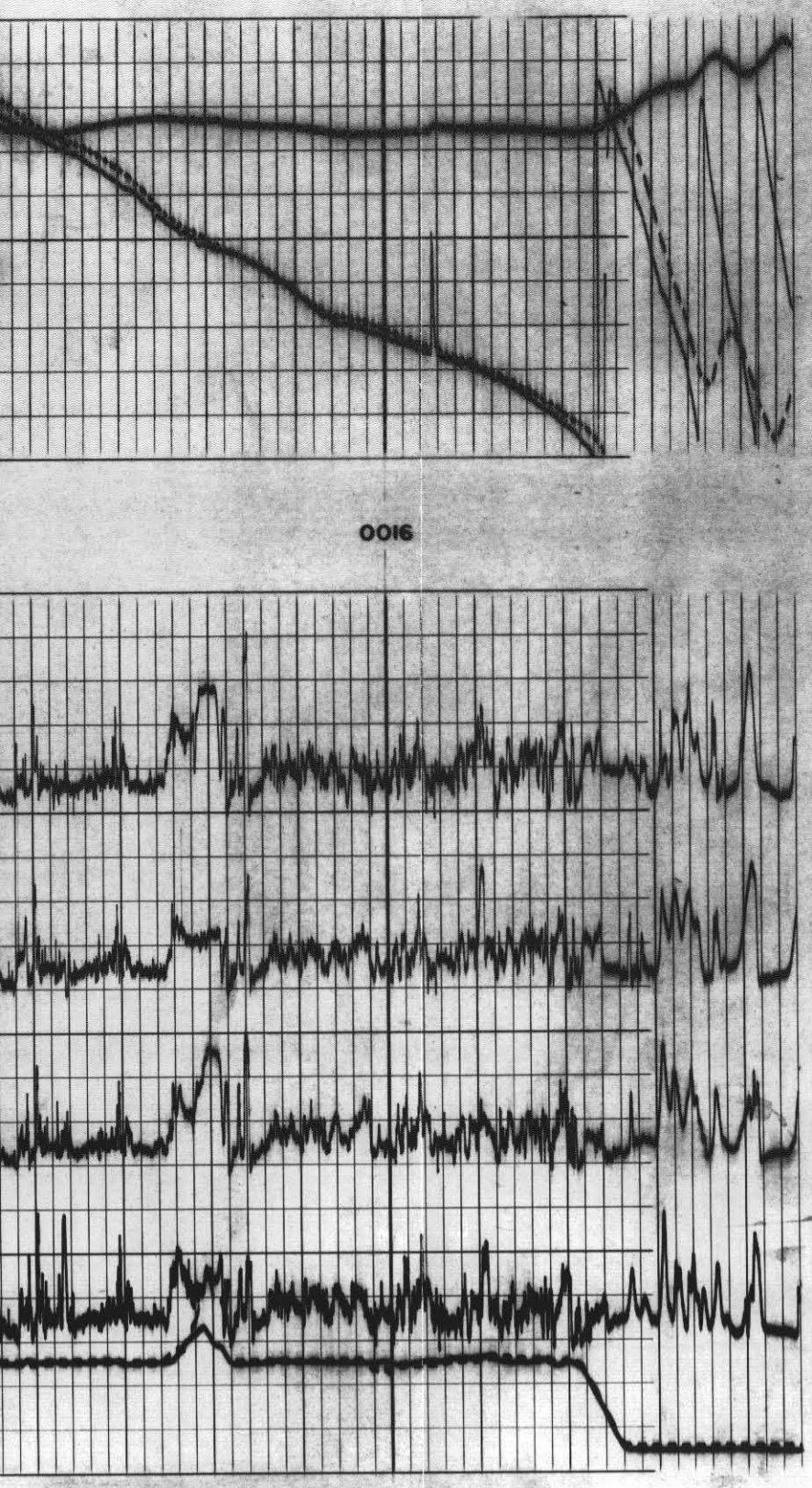
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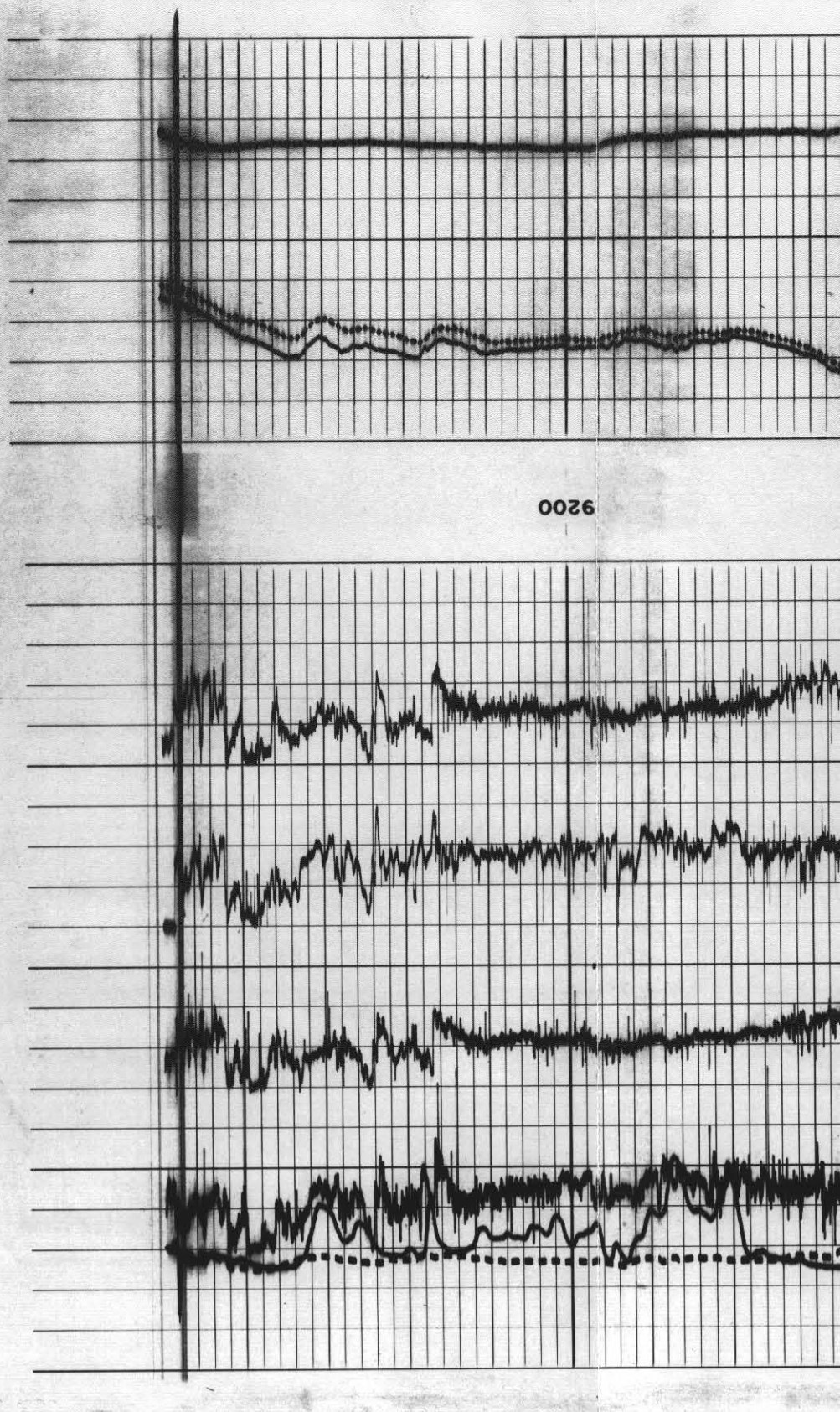
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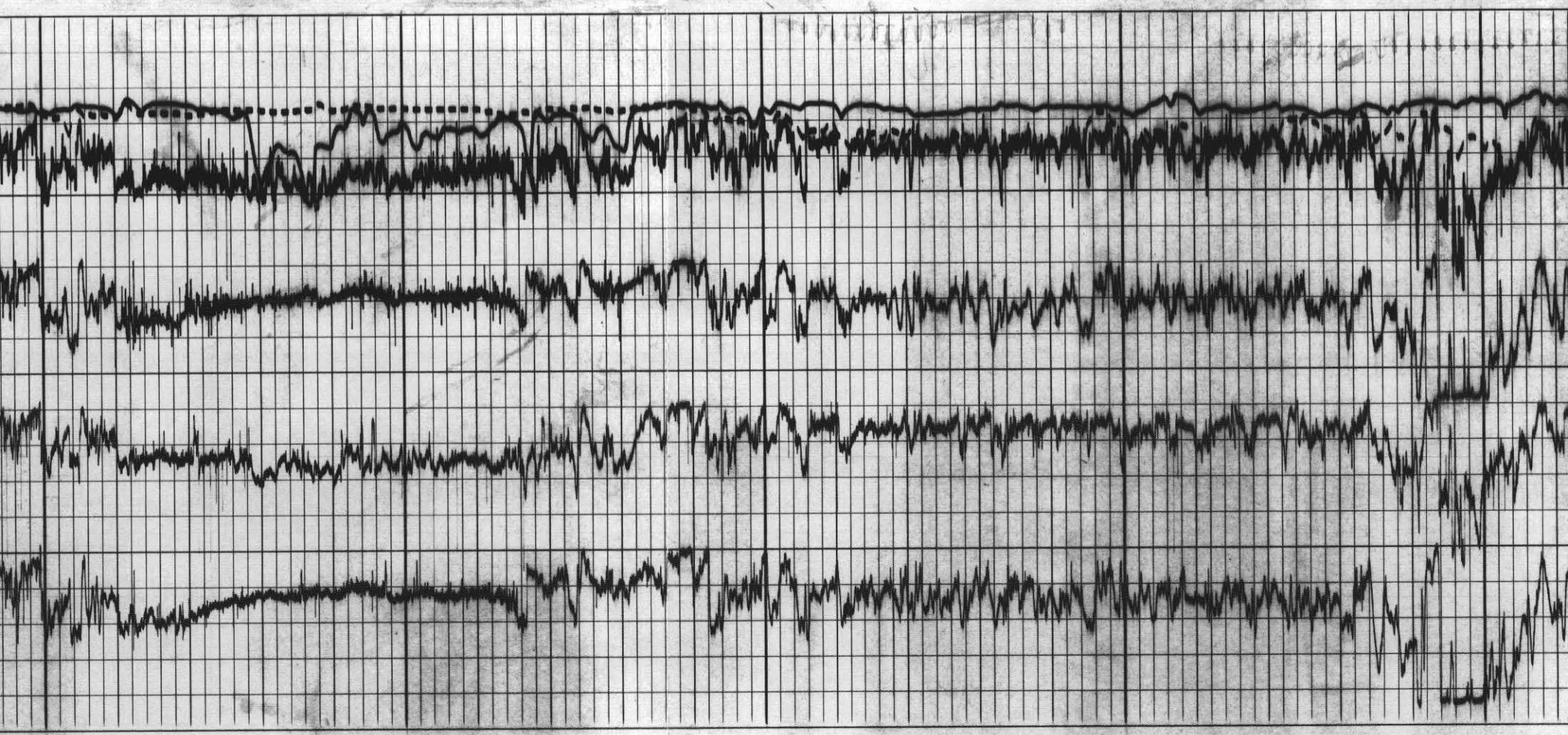

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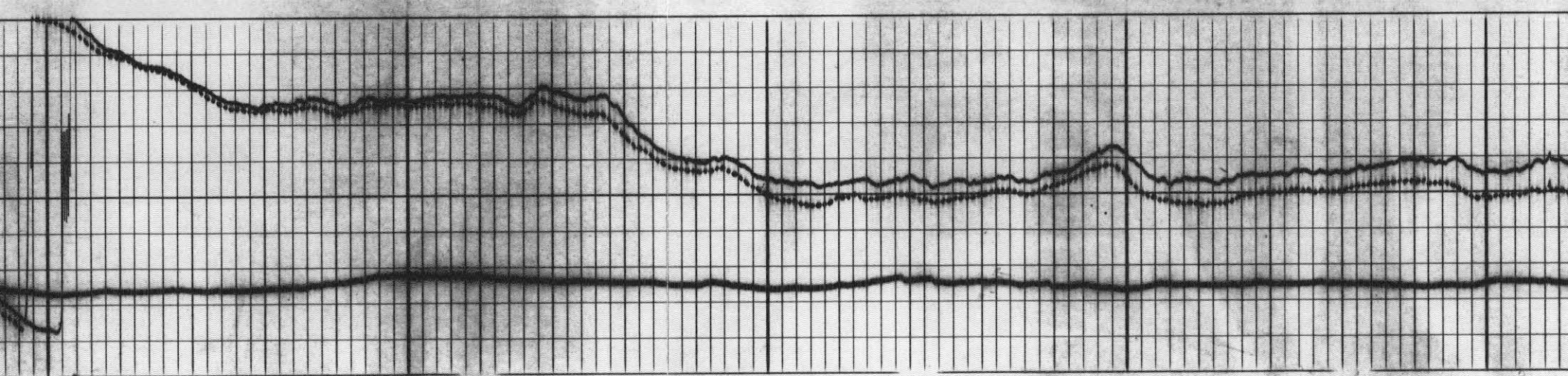

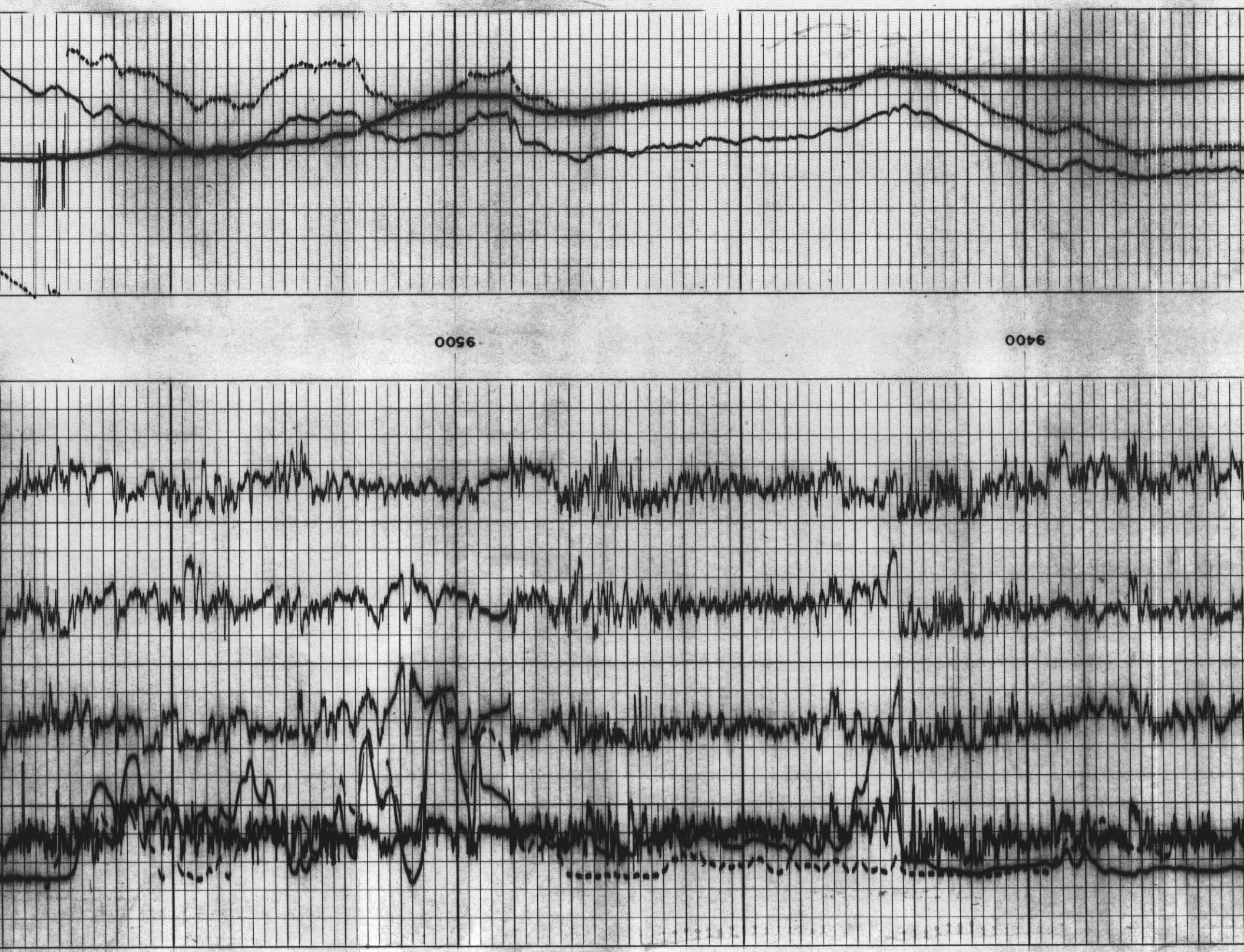
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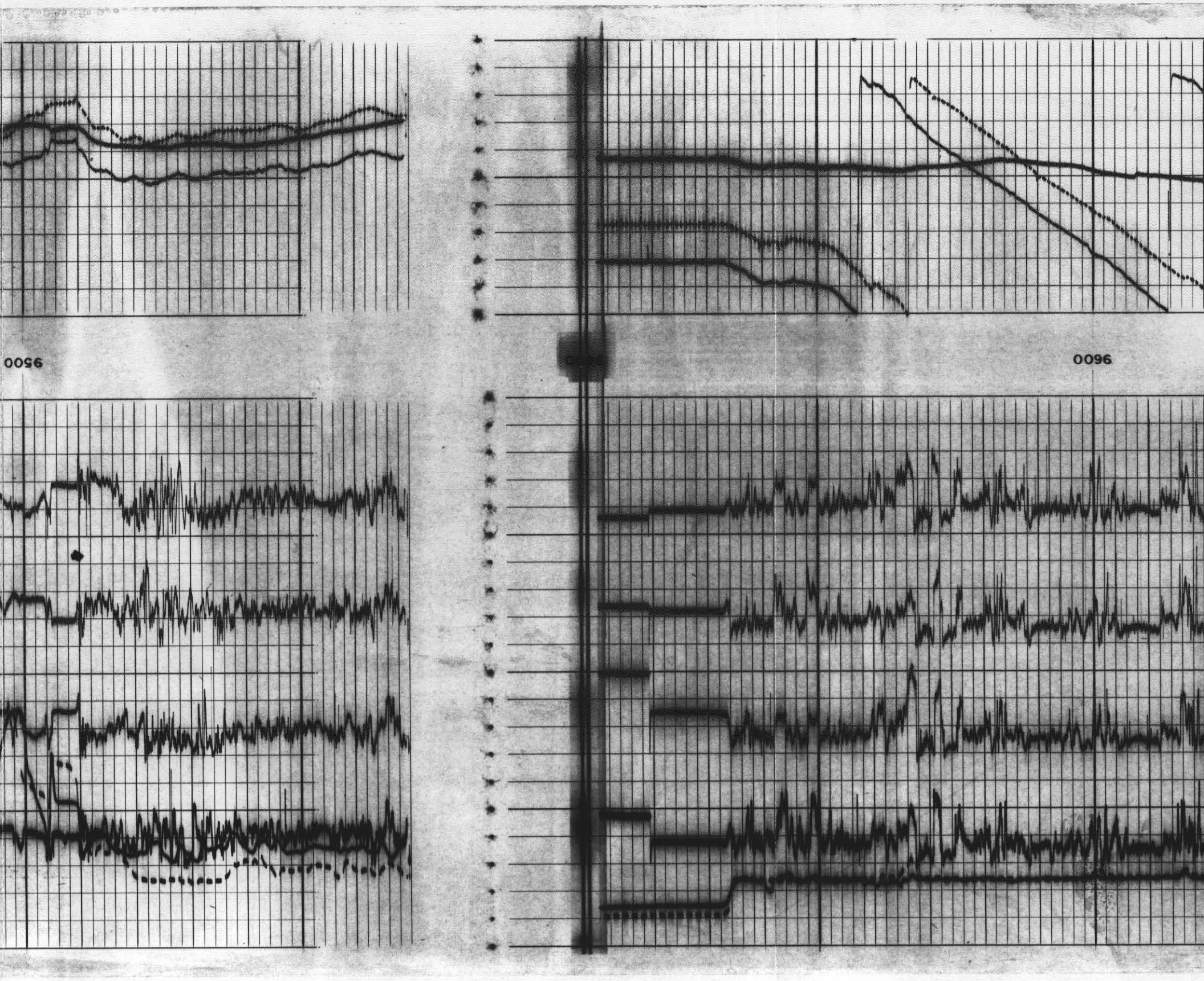
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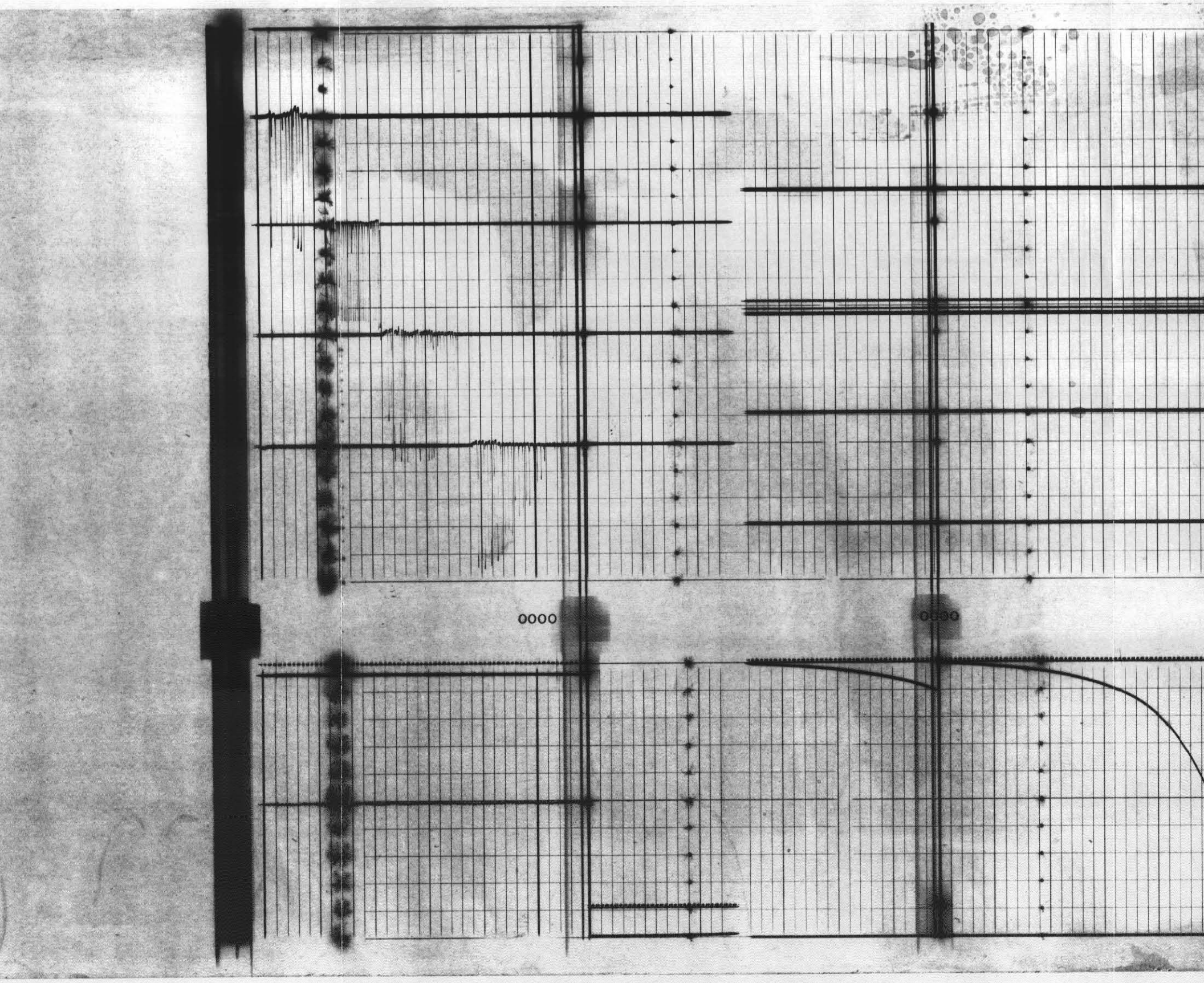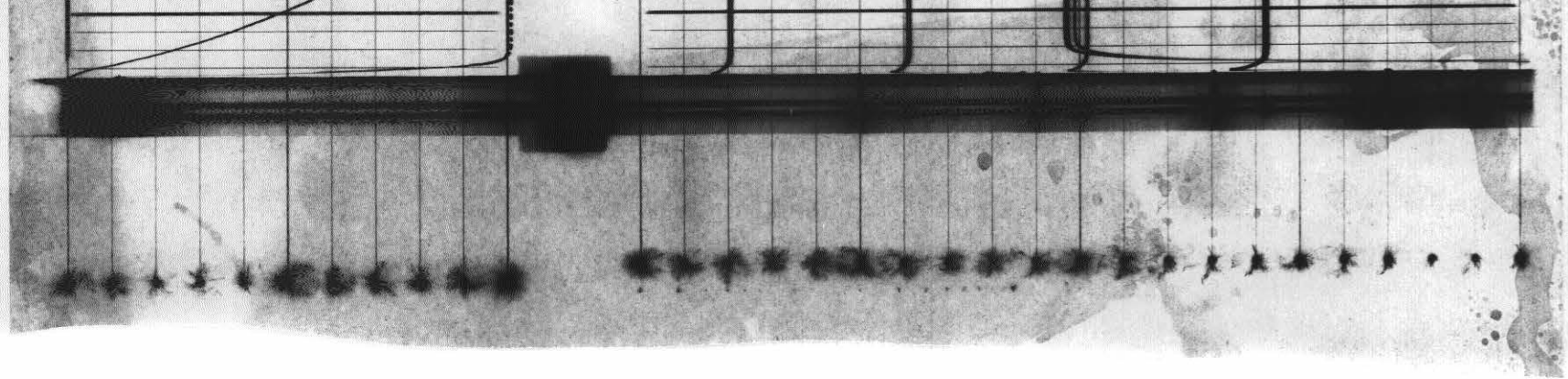
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