SONIC

SCHLUMBERGER

BOREHOLE COMPENSATED SONIC LOG (WITH CALIPER)

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' N0°24'43"E ALONG WEST SEC LINE THENCE 1327.93' S87°19'03"E OF THE SW CORNER OF

Sec. 26 Twp. 27N Rge. 4E

Other Services:

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

Elev.: K.B.
D.F. 385.17
G.L. 366.17

Date	JUNE 12, 1972		7-4-72		7-17-72		8-14-72	
Run No.	ONE		TWO		THREE		FOUR	
Depth—Driller	1350		4252		6752		9671	
Depth—Logger	1333		4263		6752		9699	
Btm. Log Interval	1332		4262		6751		9658	
Top Log Interval	283		1349		4000		6745	
Casing—Driller	20" @ 282		13 3/8 @ 1348		13 3/8 @ 1348		9 5/8 @ 6745	
Casing—Logger	283		1349		—		6745	
Bit Size	18 5/8 To 590; 12 1/4 To TD		12 1/4-TD		12 1/4-TD		8 1/2	
Type Fluid in Hole	LIGNOSULFONATE		Lignosulfonate		LIGNO.		LIGNO. —	
Dens. / Visc.	71	58	90	44	90	47	92	78
pH / Fluid Loss	9.0	10.4 ml	9.0	6.2 ml	10.5	3-8 ml	10.2	5.6 ml
Source of Sample	CIRCULATED		CIRCULATED		CIRCULATED		FLOWLINE	
R_m @ Meas. Temp.	3.51 @ 74 °F		0.72 @ 102 °F		0.65 @ 107 °F		1.05 @ 72 °F	
R_{mf} @ Meas. Temp.	3.02 @ 59 °F		0.68 @ 78 °F		0.60 @ 84 °F		0.56 @ 72 °F	
R_{mc} @ Meas. Temp.	5.44 @ 59 °F		1.53 @ 78 °F		1.46 @ 84 °F		1.7 @ 72 °F	
Source: R_{mf} / R_{mc}	M	M	M	M	M	M	M	C
R_m @ BHT	3.22 @ 91 °F		0.62 @ 116 °F		0.41 @ 143 °F		0.48 @ 154 °F	
Time Since Circ.	2 HRS		4		10 1/2		10 HRS	
Max. Rec. Temp.	91 °F		116 °F		143 °F		160 °F	
Equip. / Location	7503	SACTO	5106	SAC	7503	SAC	5106	SAC
Recorded By	FRIDLEY		ANDERSEN		FRIDLEY		WEEKS	
Witnessed By	JOHNSON & WALLACE		JOHNSON		JOHNSON		JOHNSON	

SWS-1384-C

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

REMARKS

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
R_{mf} @ Meas. Temp.	@ °F	@ °F
R_{mc} @ Meas. Temp.	@ °F	@ °F
Source: R_{mf} / R_{mc}		
R_m @ BHT	@ °F	@ °F
R_{mf} @ BHT	@ °F	@ °F
R_{mc} @ BHT	@ °F	@ °F

Scale Changes

Type Log	Depth	Scale Up Hole	Scale Down Hole

Equipment Data

Run No.	Tool Type	Tool Position	Other
ONE	BHC	CENTERED	
TWO	BHC	CENTERED	
THREE	BHC	CENTERED	

C.D.: USED S.O.:

Equip. Used: CART. No.

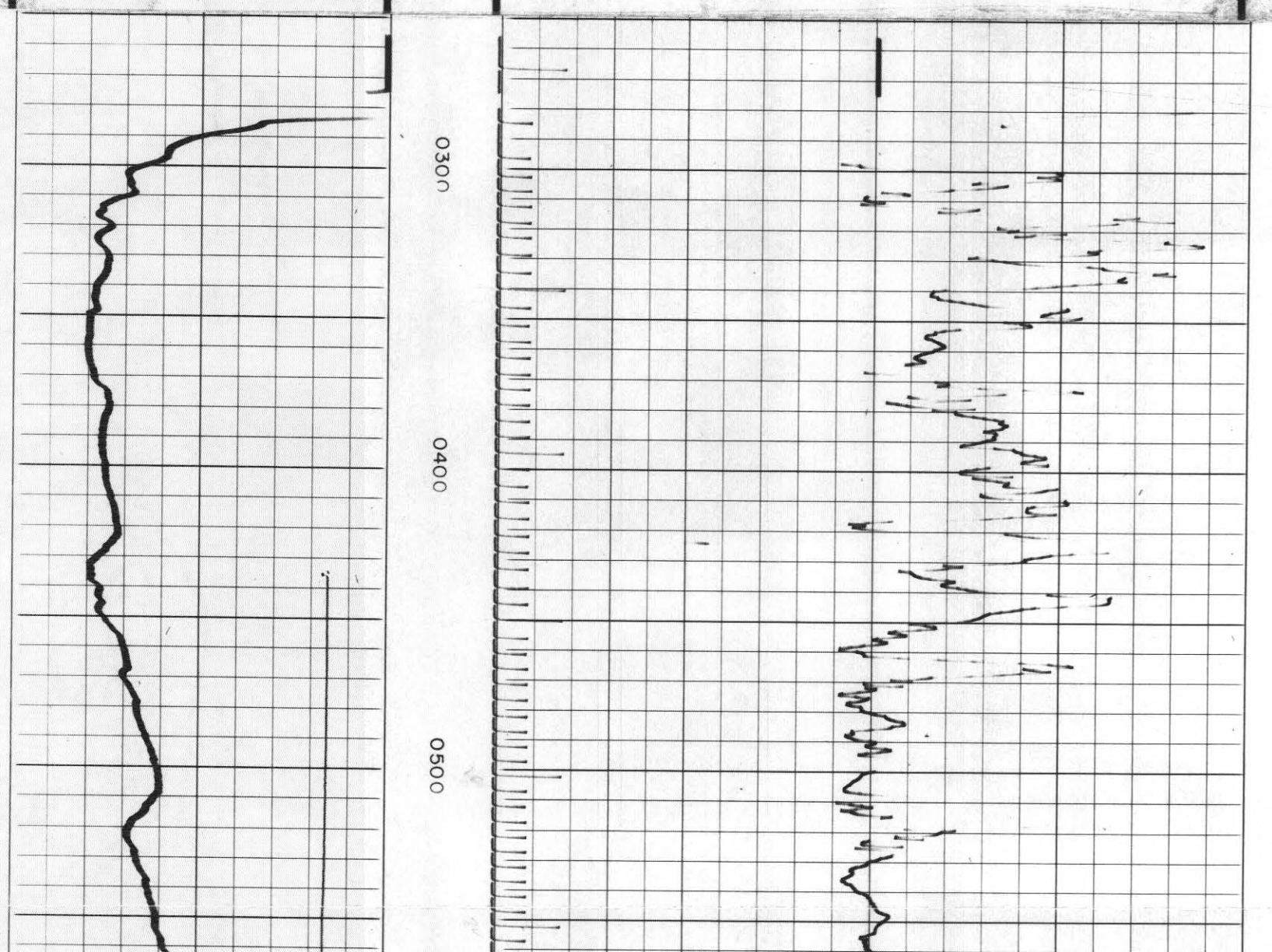
PANEL No. SLP-JB-264 SLP JB 264

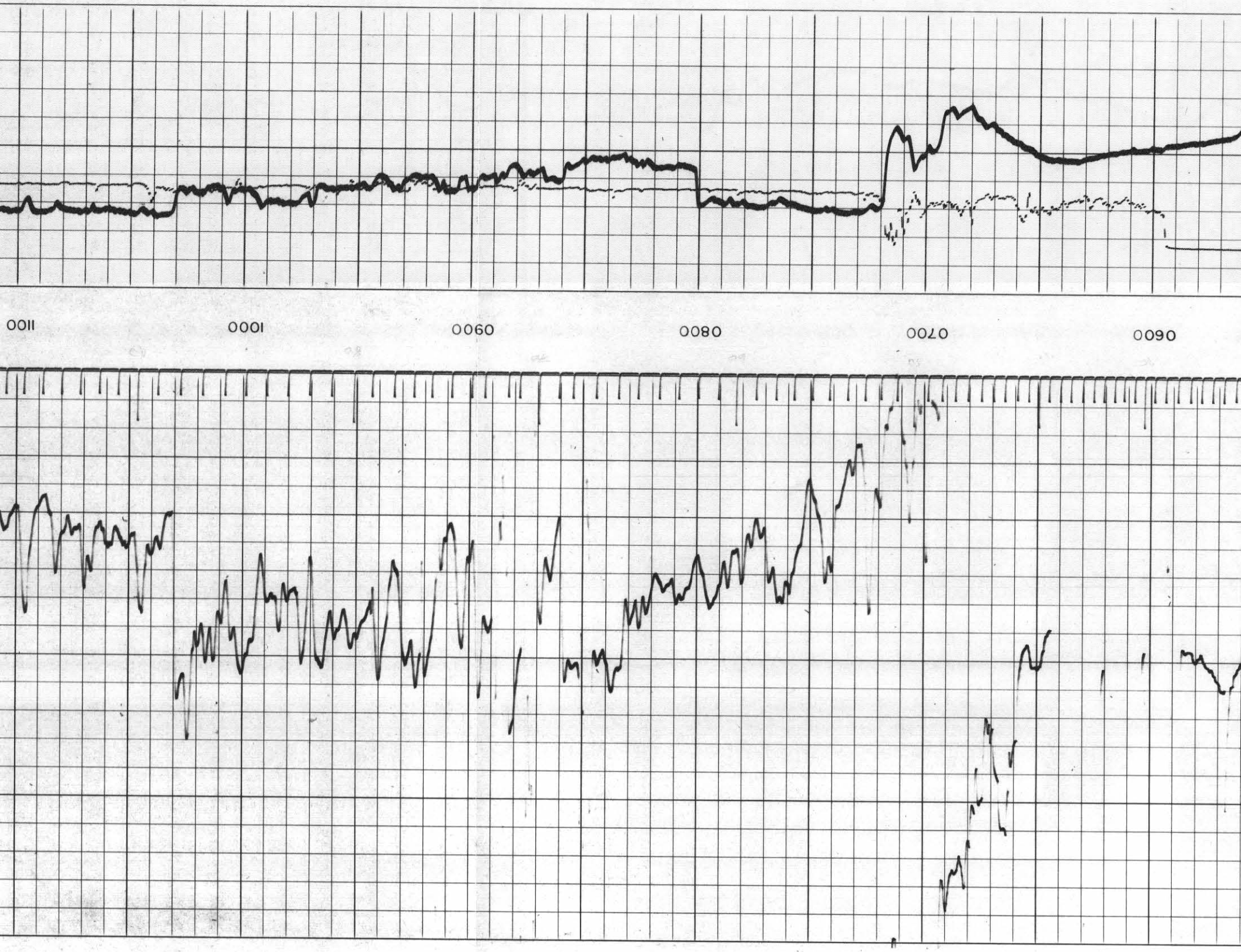
SONDE No.

Run #3 off Bottom @ 0045

$$\text{Velocity (feet per second)} = \frac{1{,}000{,}000}{\text{Interval Transit Time (microseconds per foot)}}$$

SPONTANEOUS-POTENTIAL MILLIVOLTS	DEPTHS	INTERVAL TRANSIT TIME MICROSECONDS PER FOOT
10 − |↔| +		T__R₁__R₂
		150 100 50
		250 200 150
CALIPER HOLE DIAM. IN INCHES		
6" 16"		

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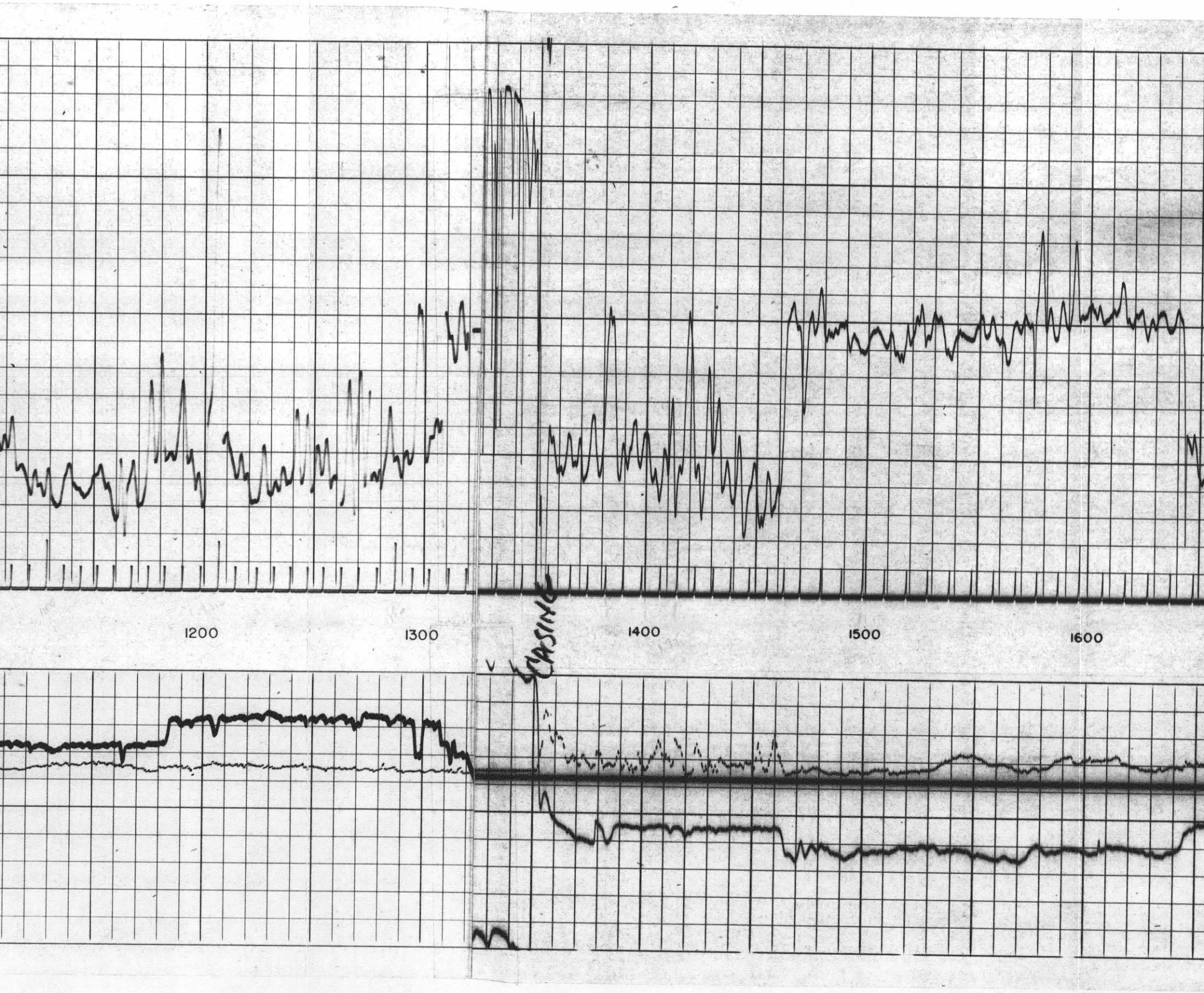
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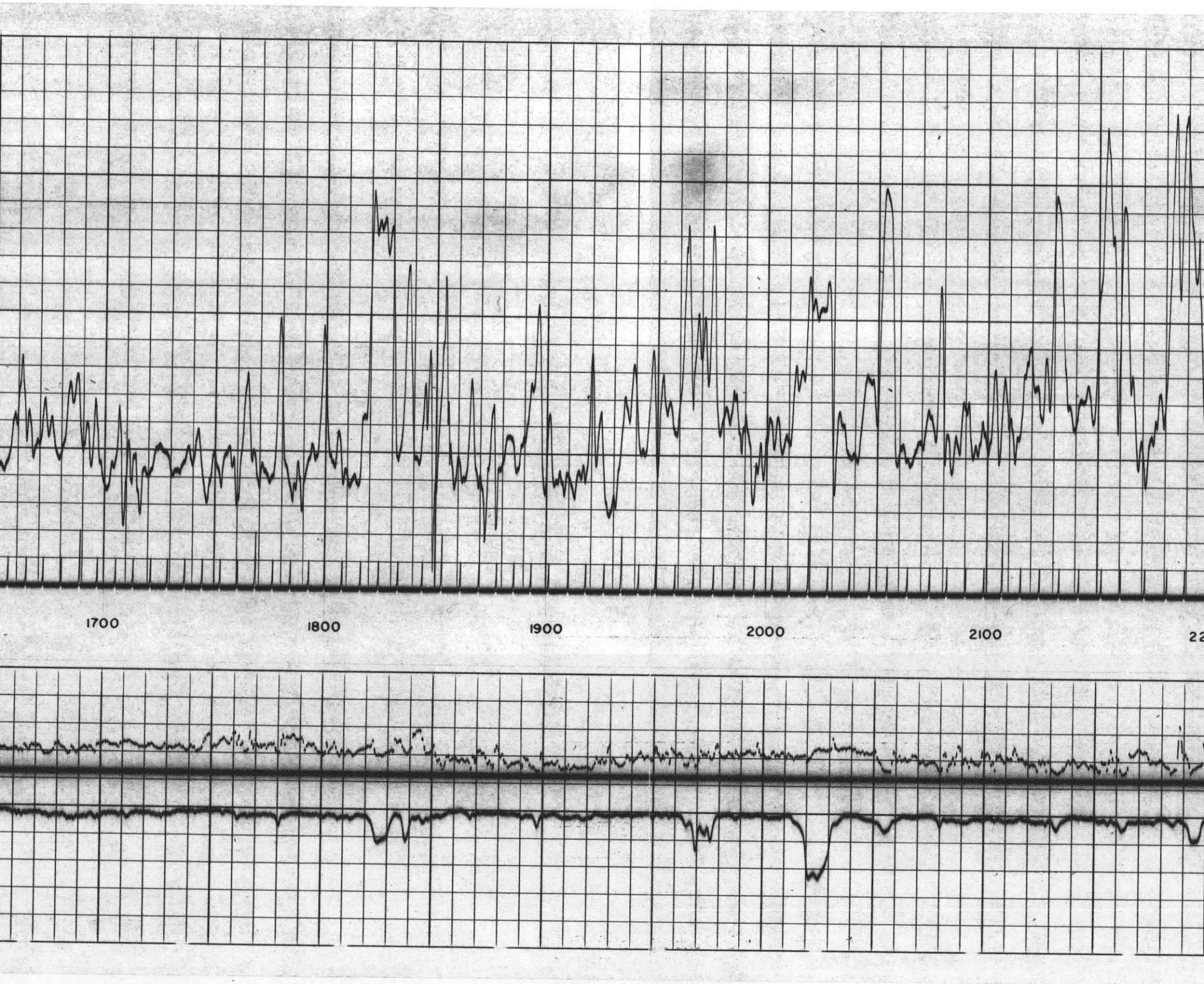
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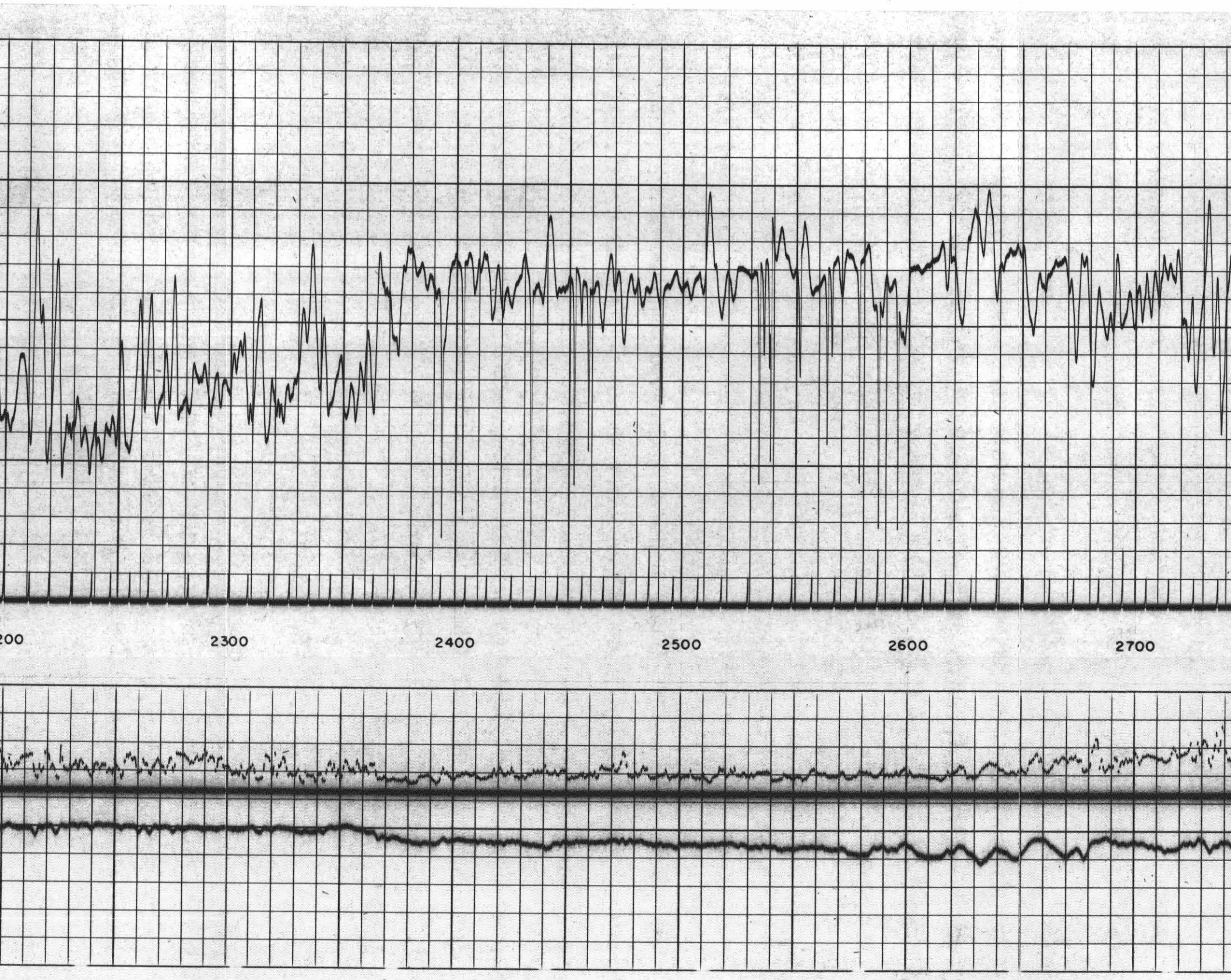
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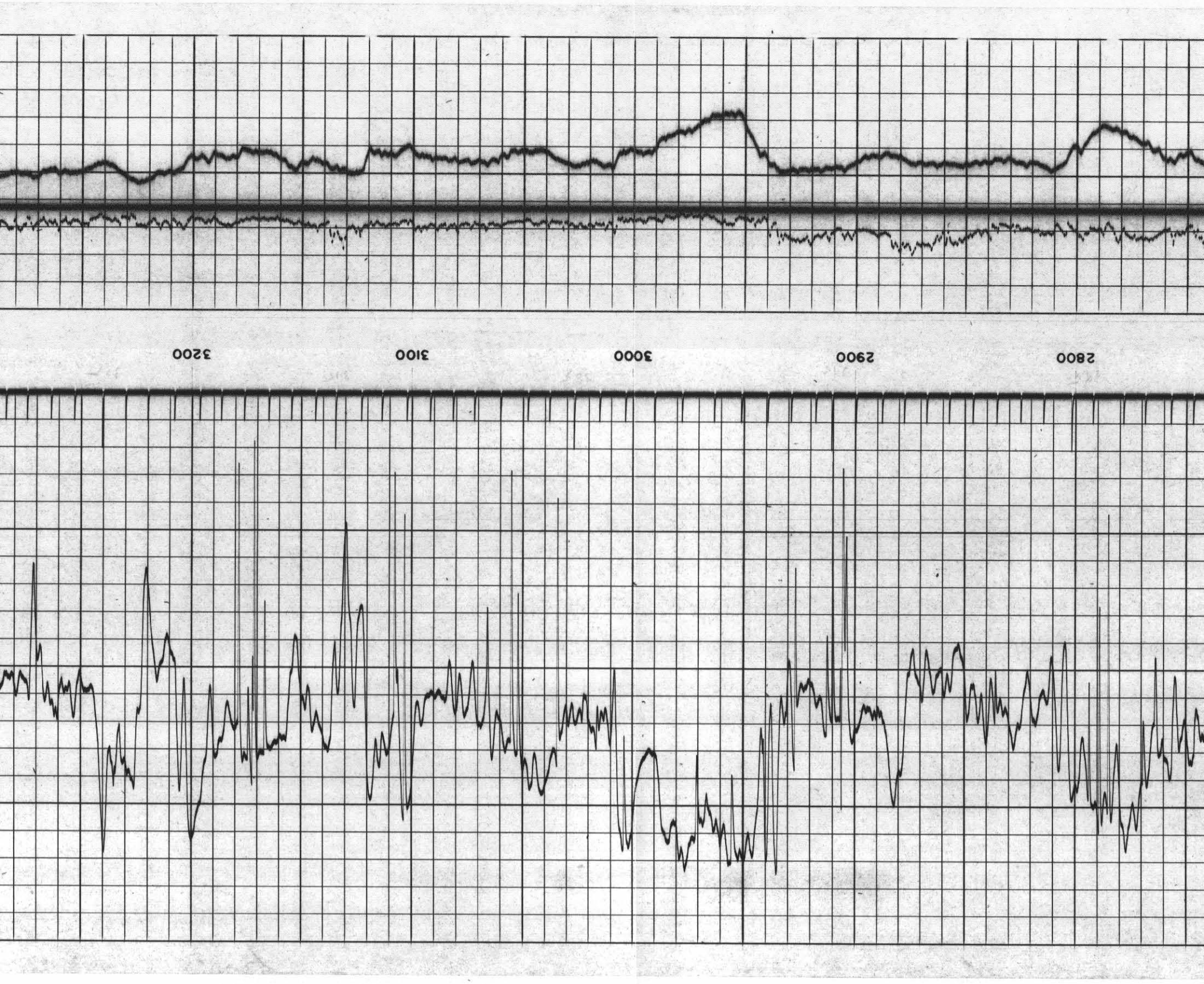
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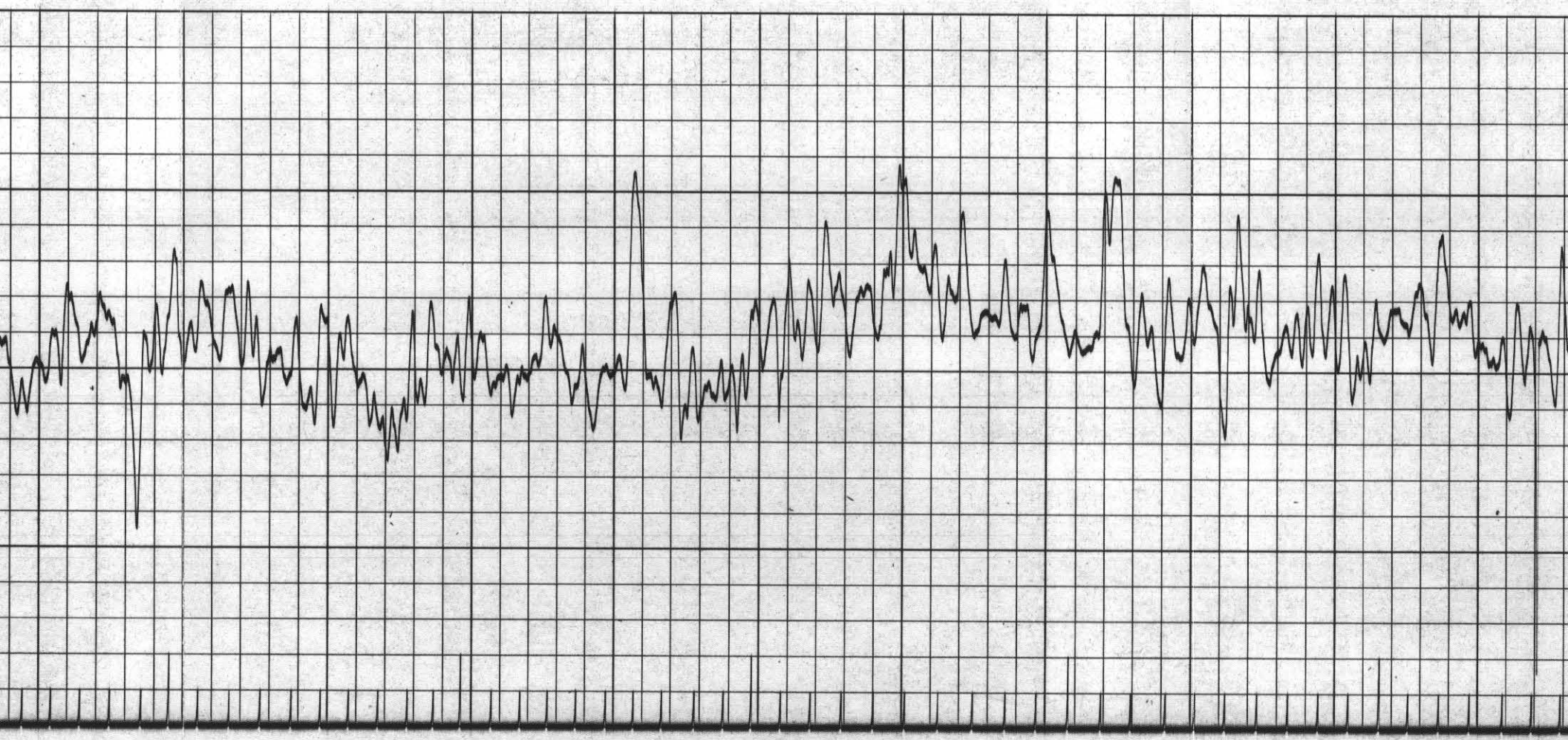

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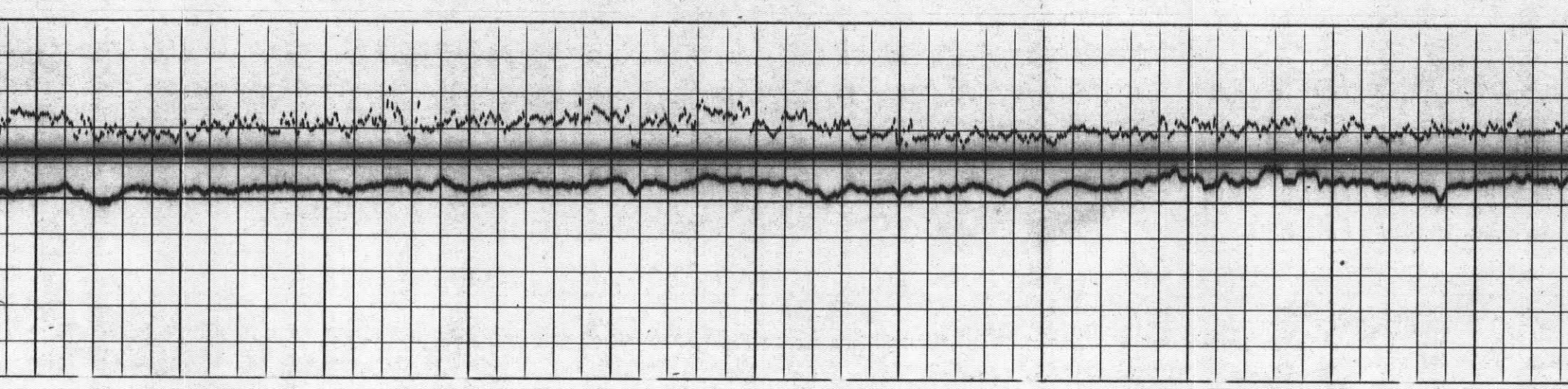

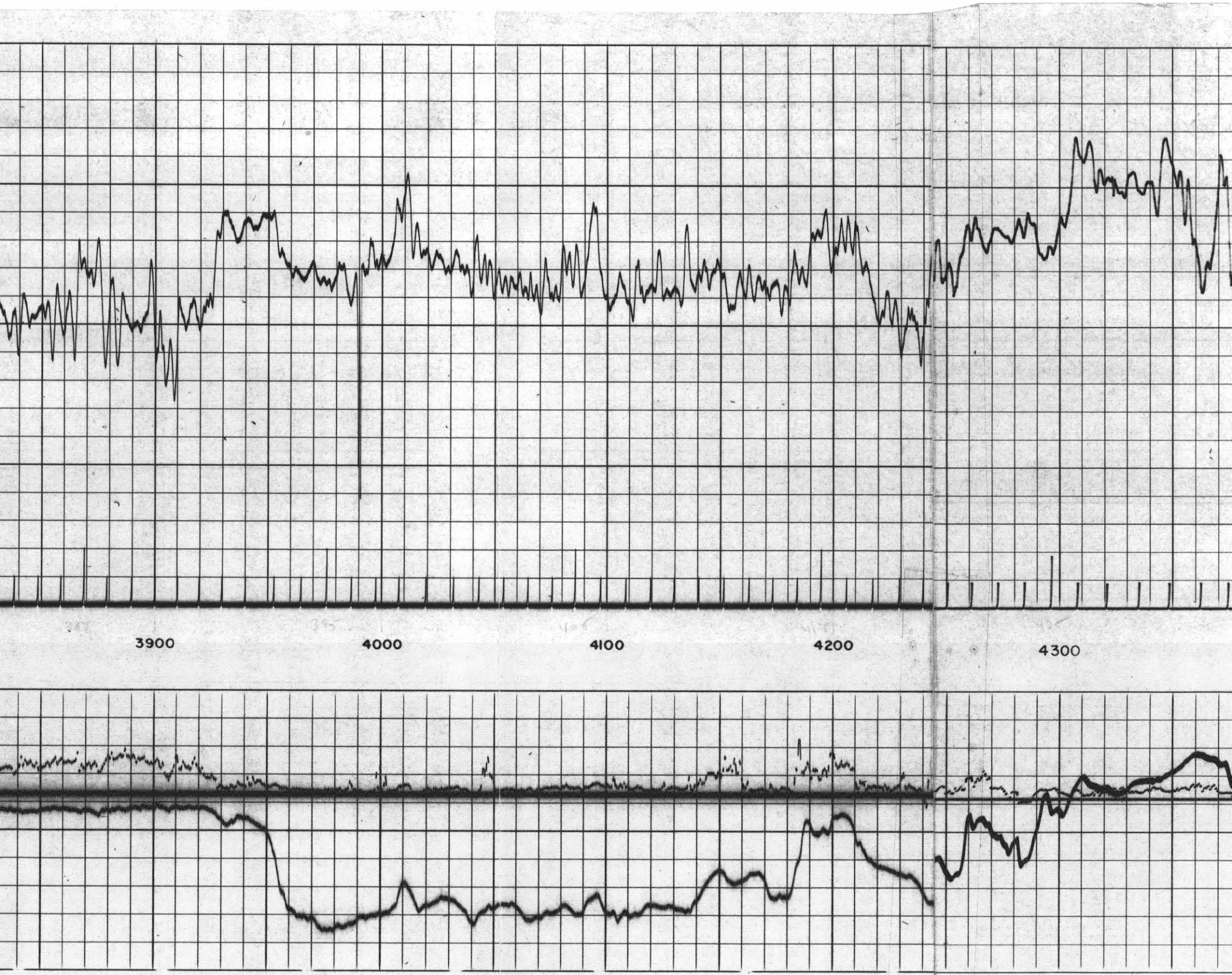
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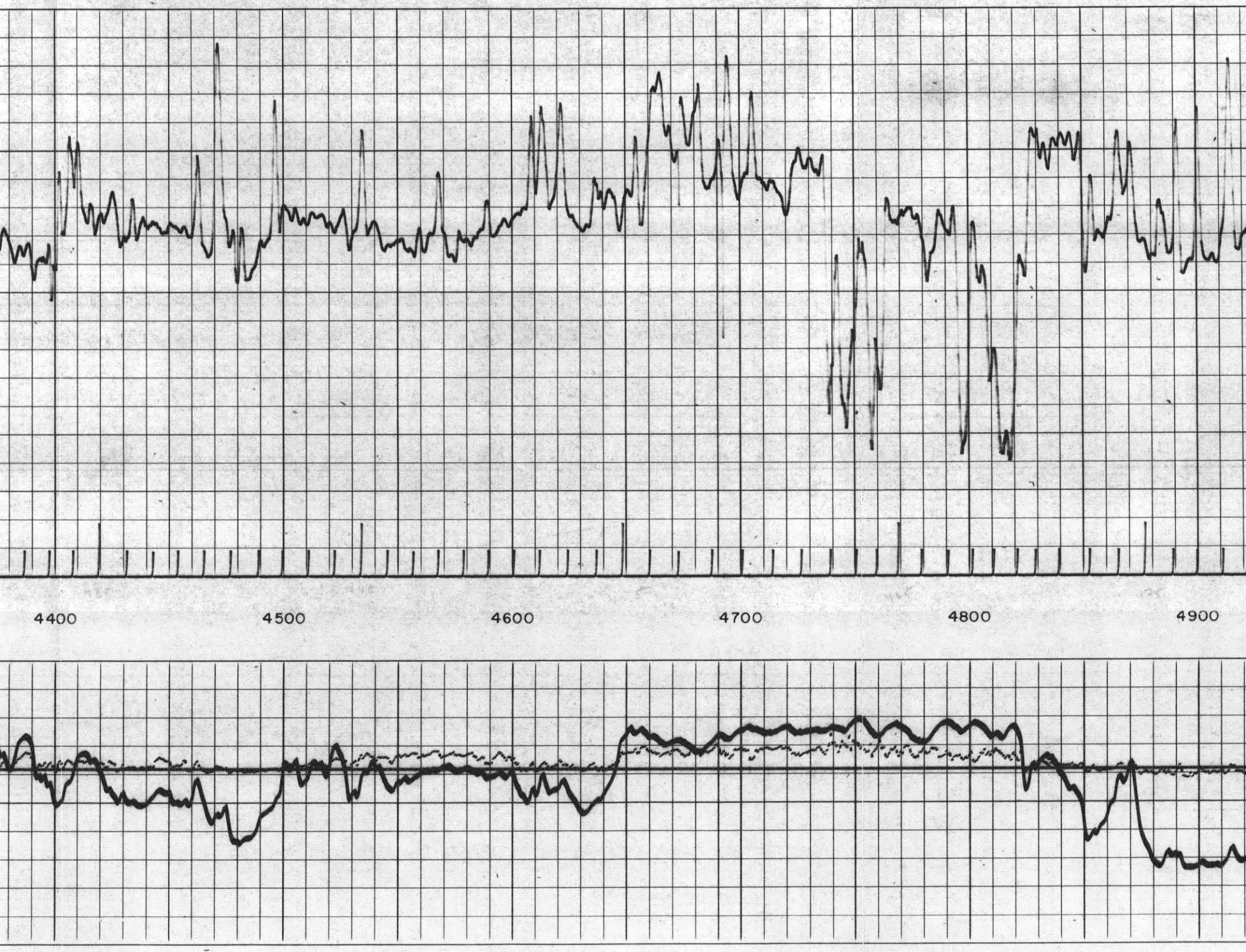
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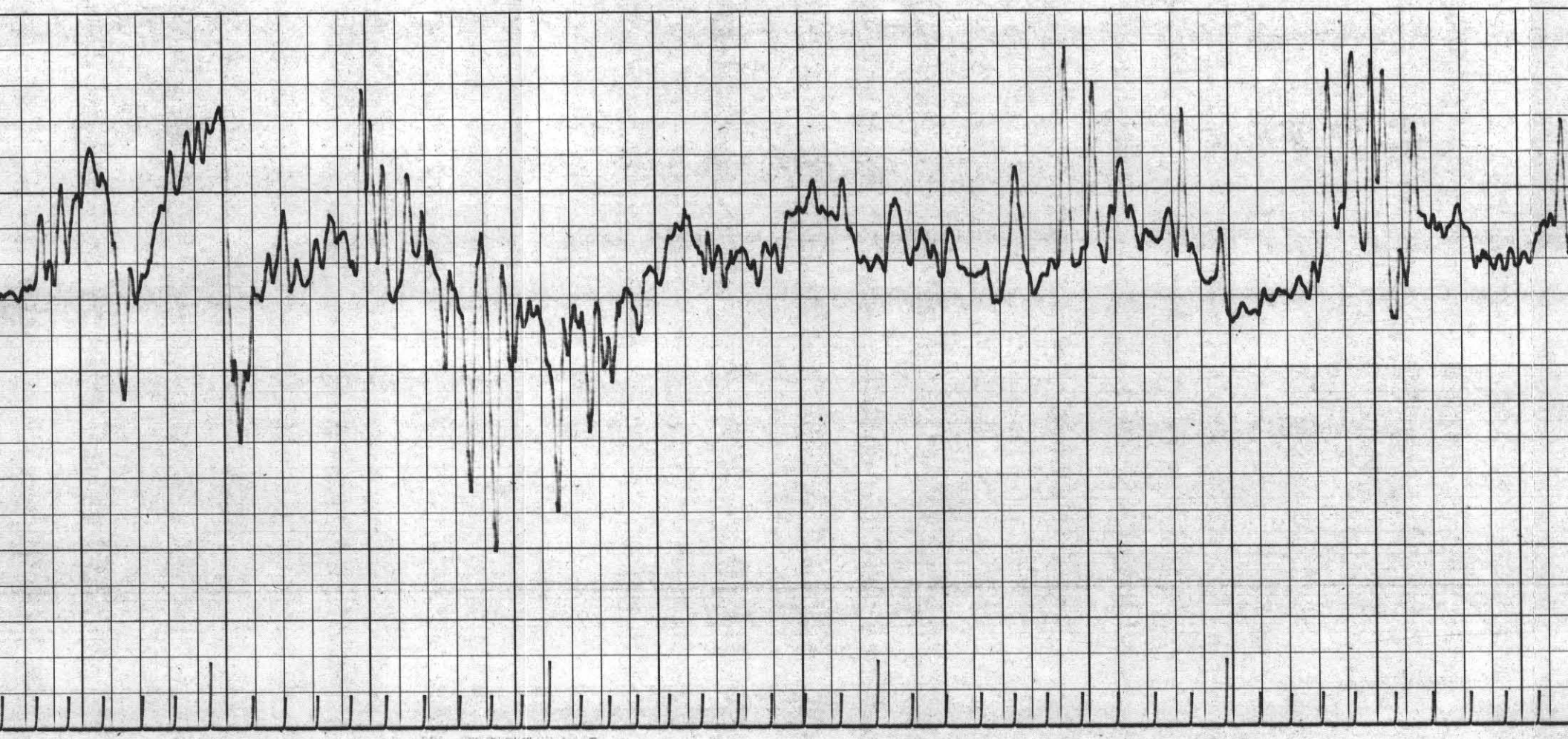
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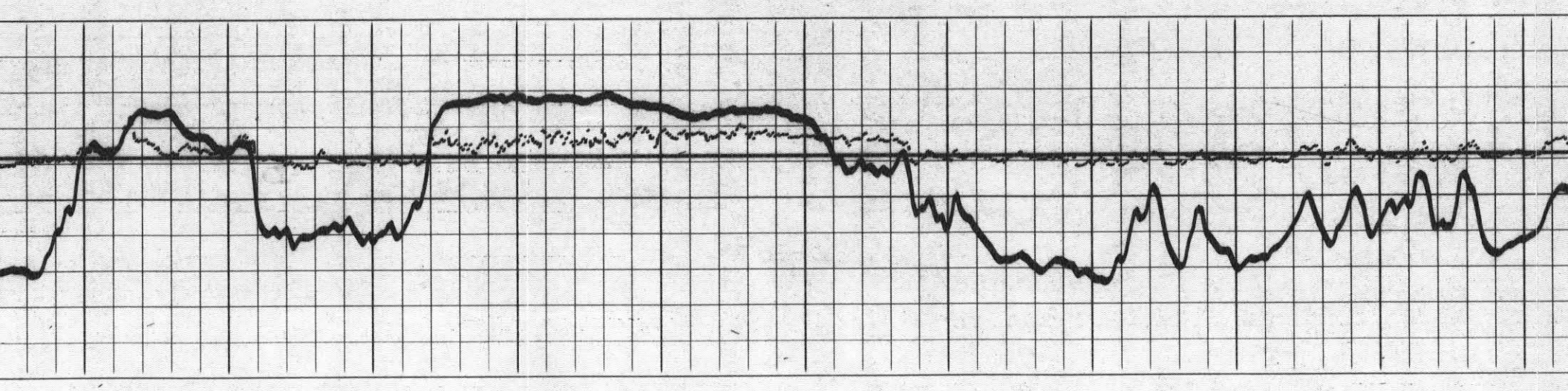

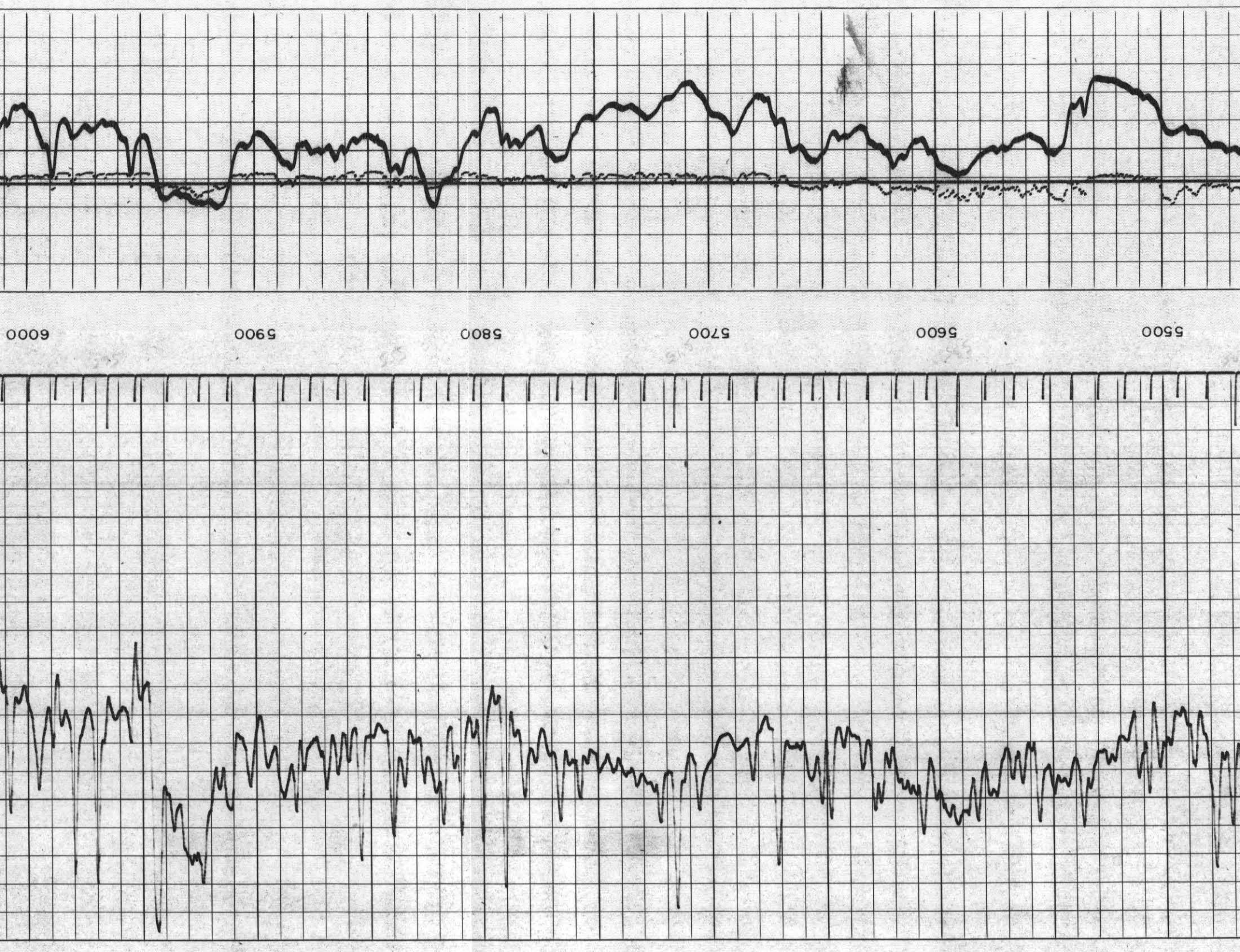
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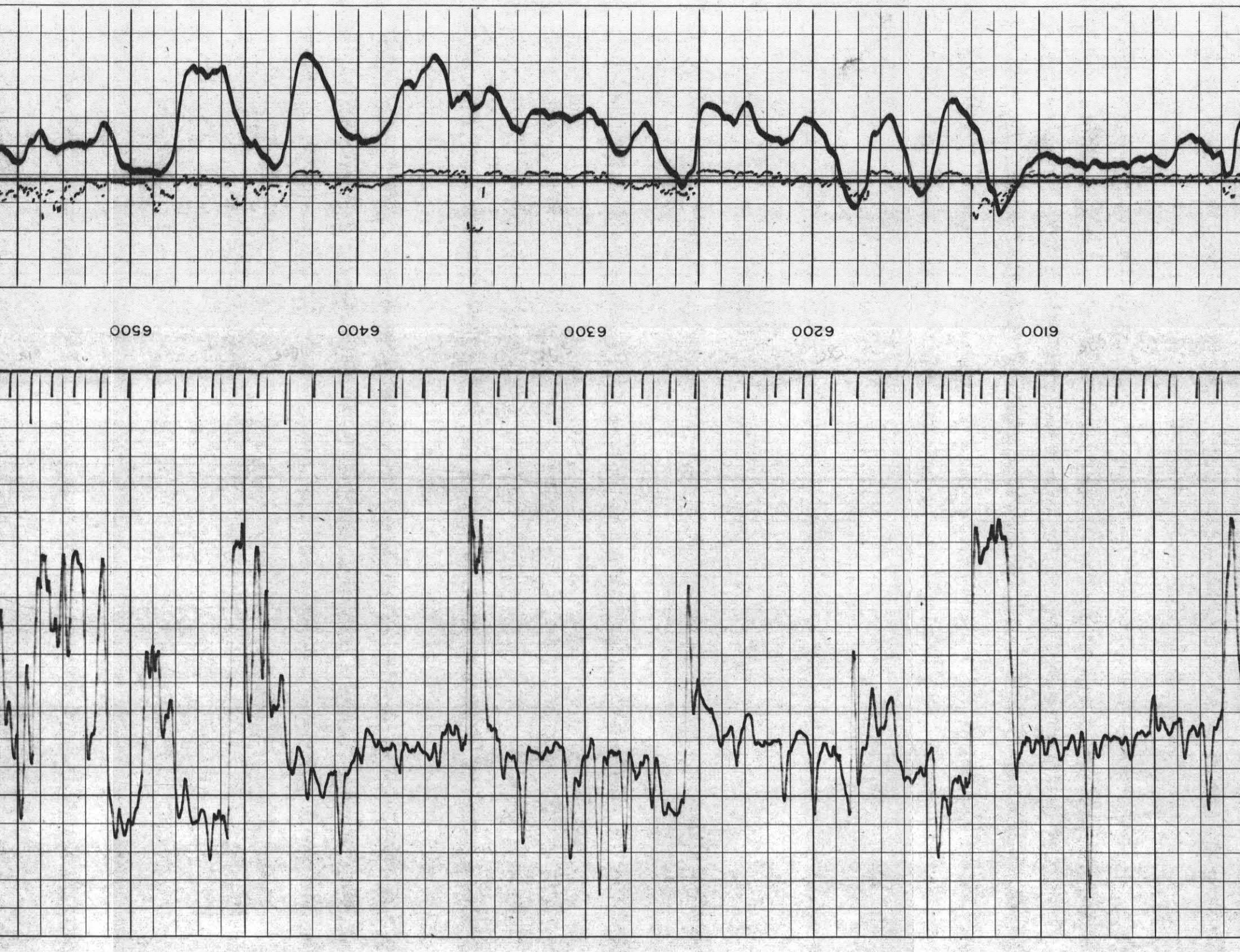
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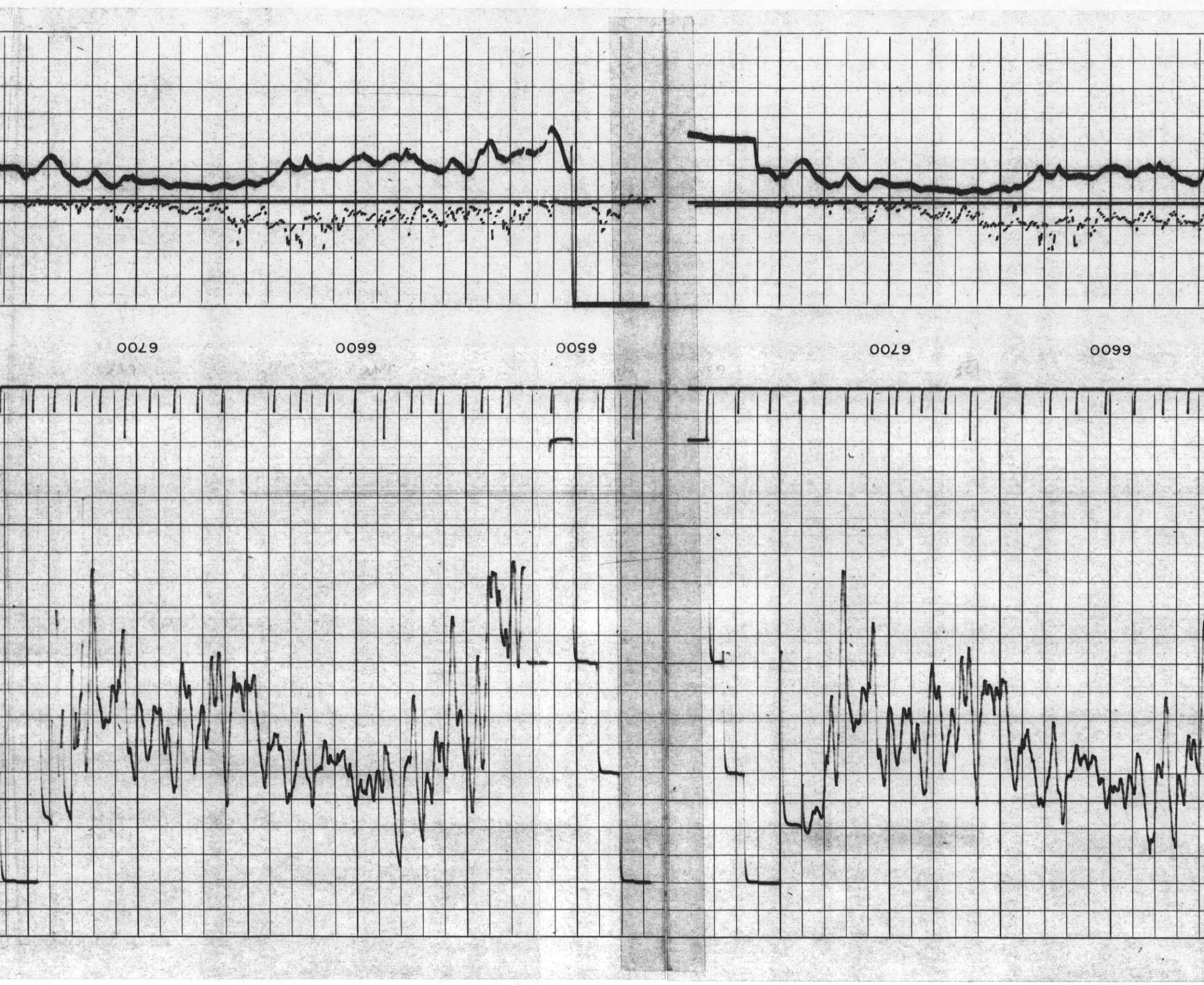
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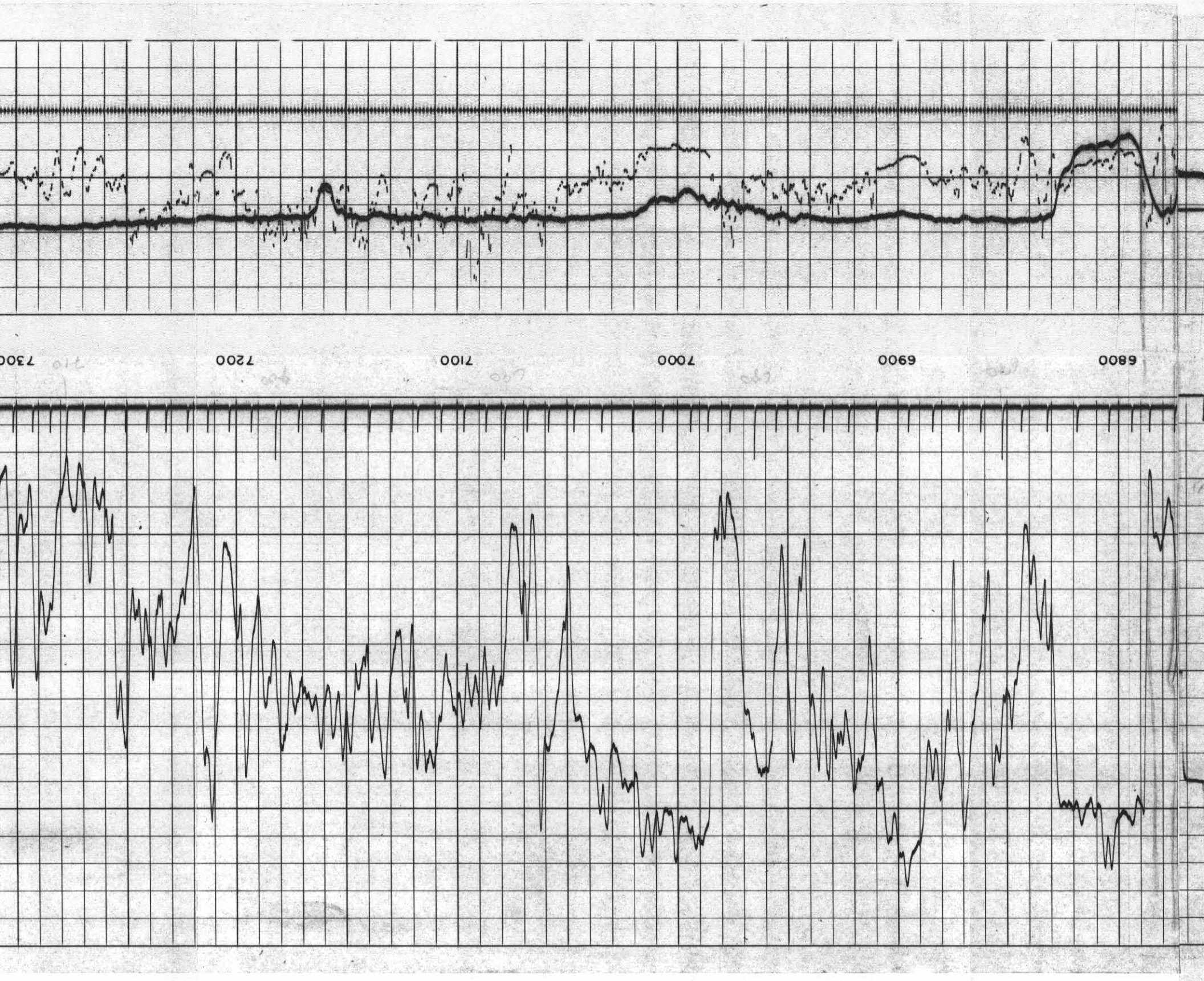
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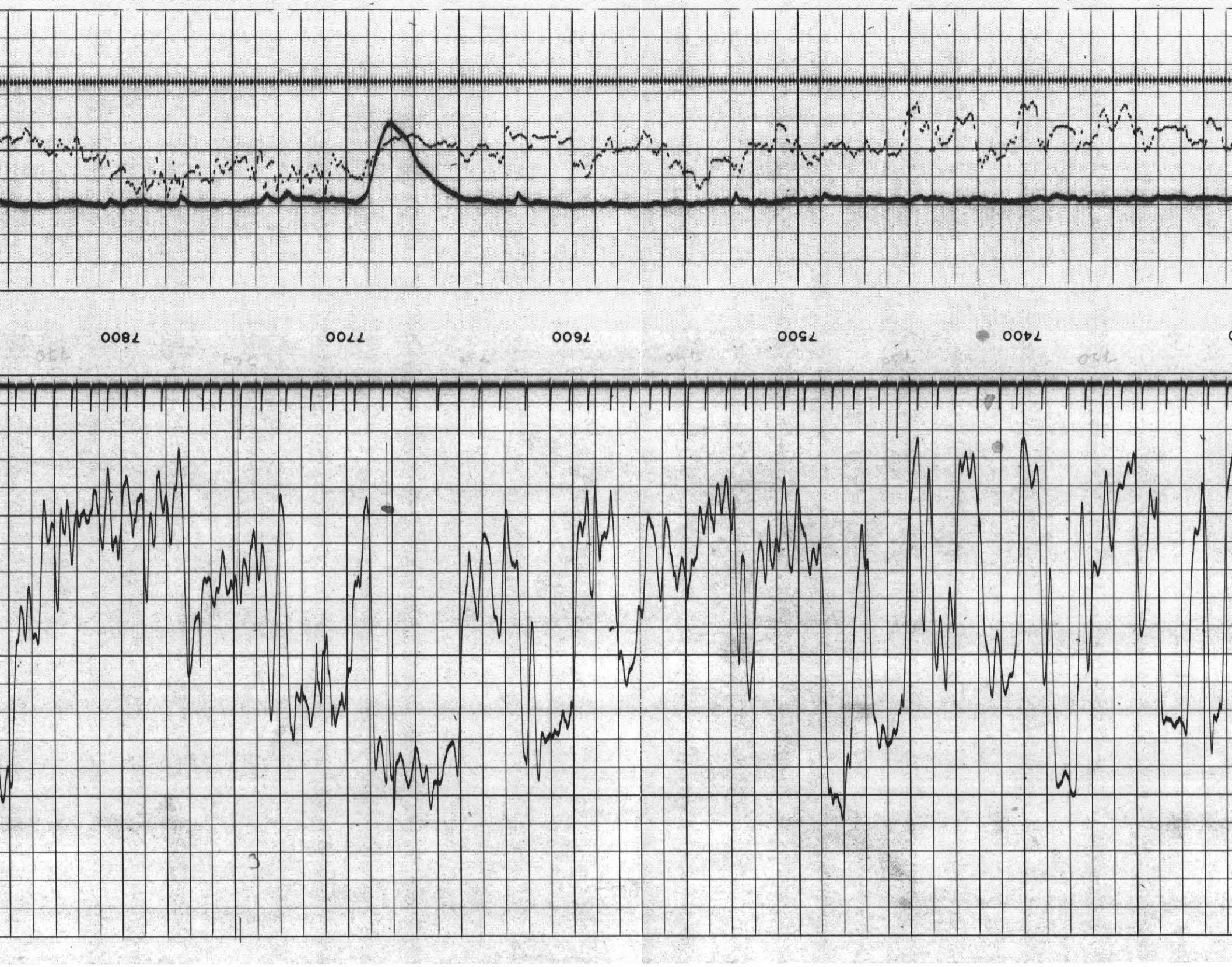
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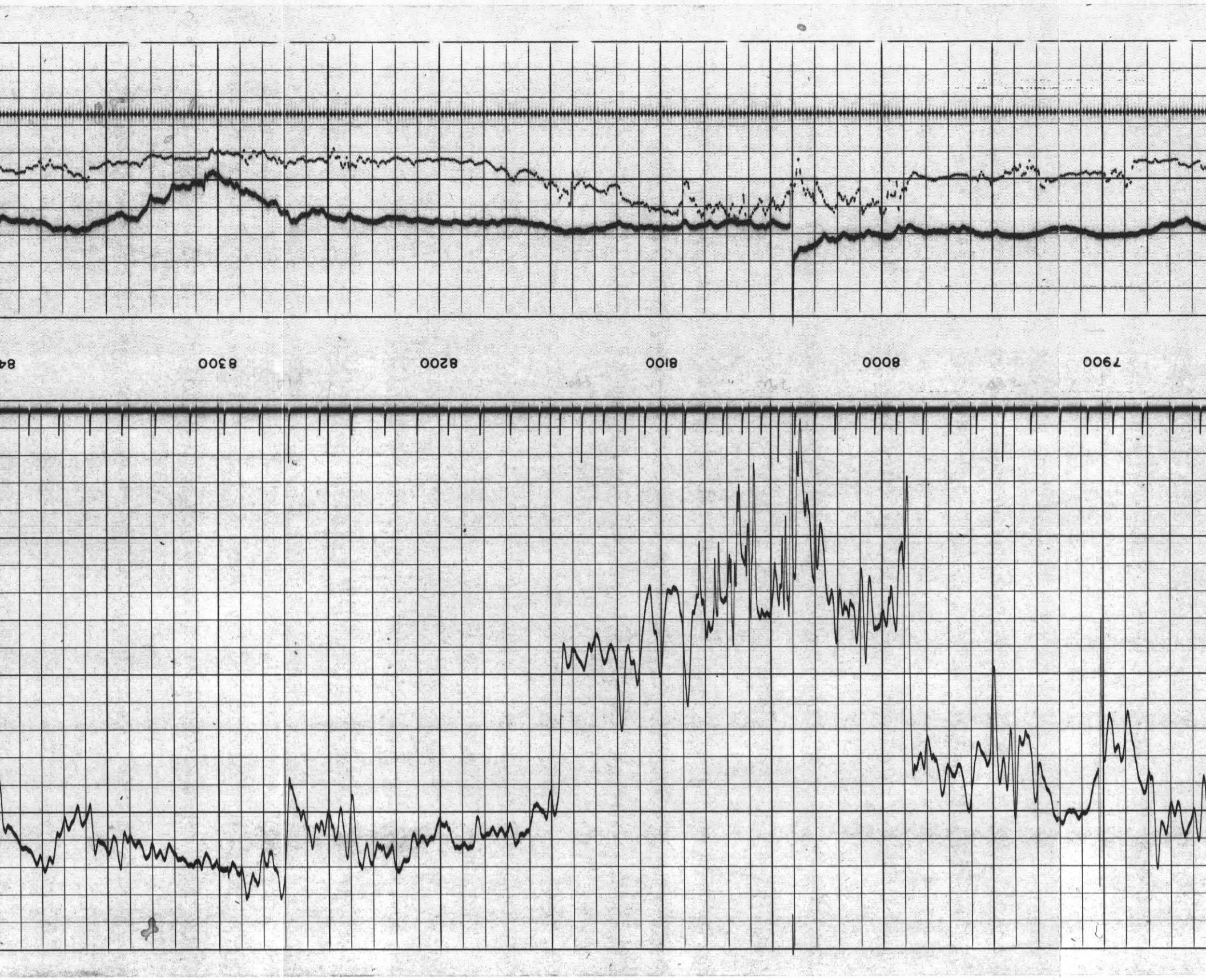
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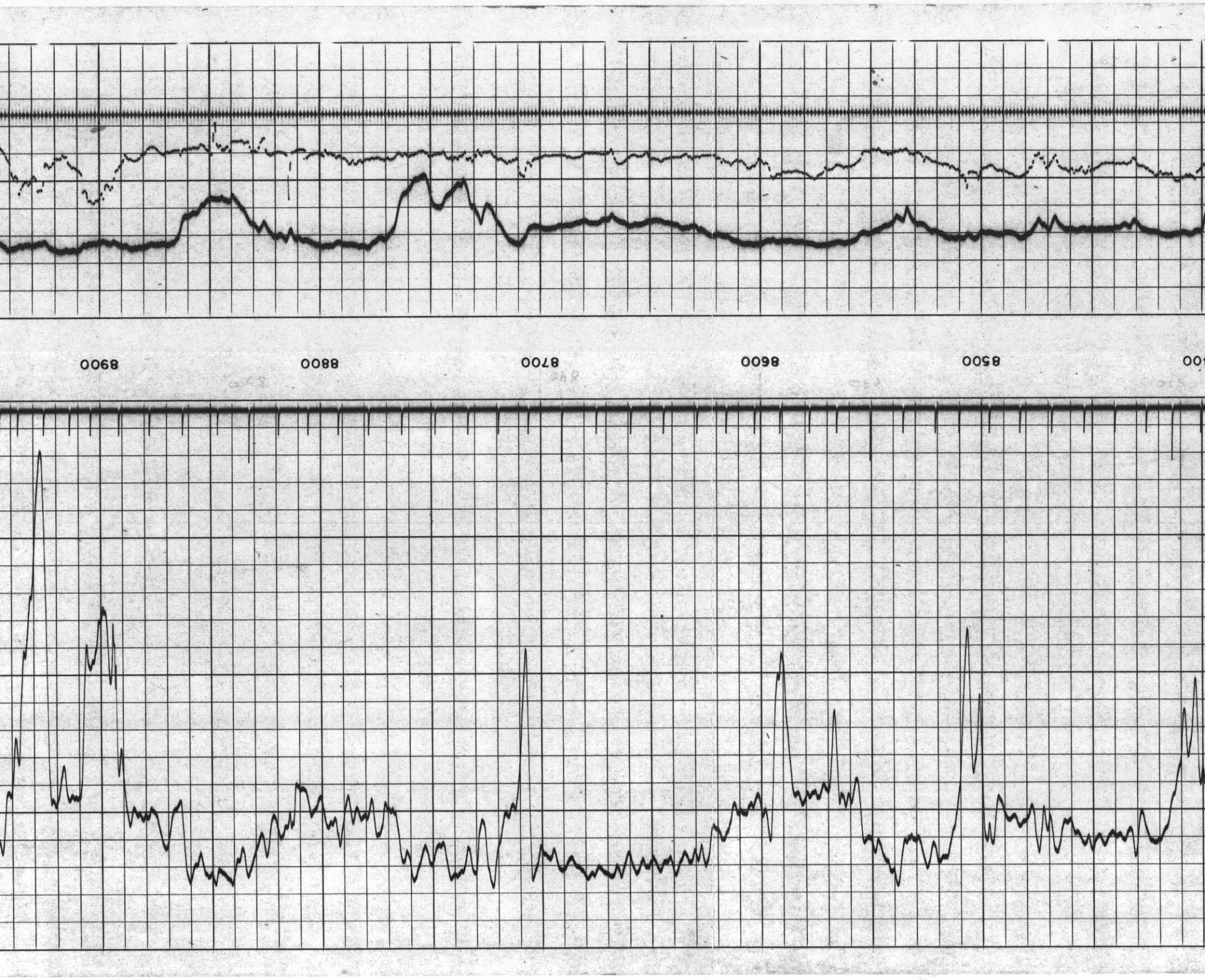
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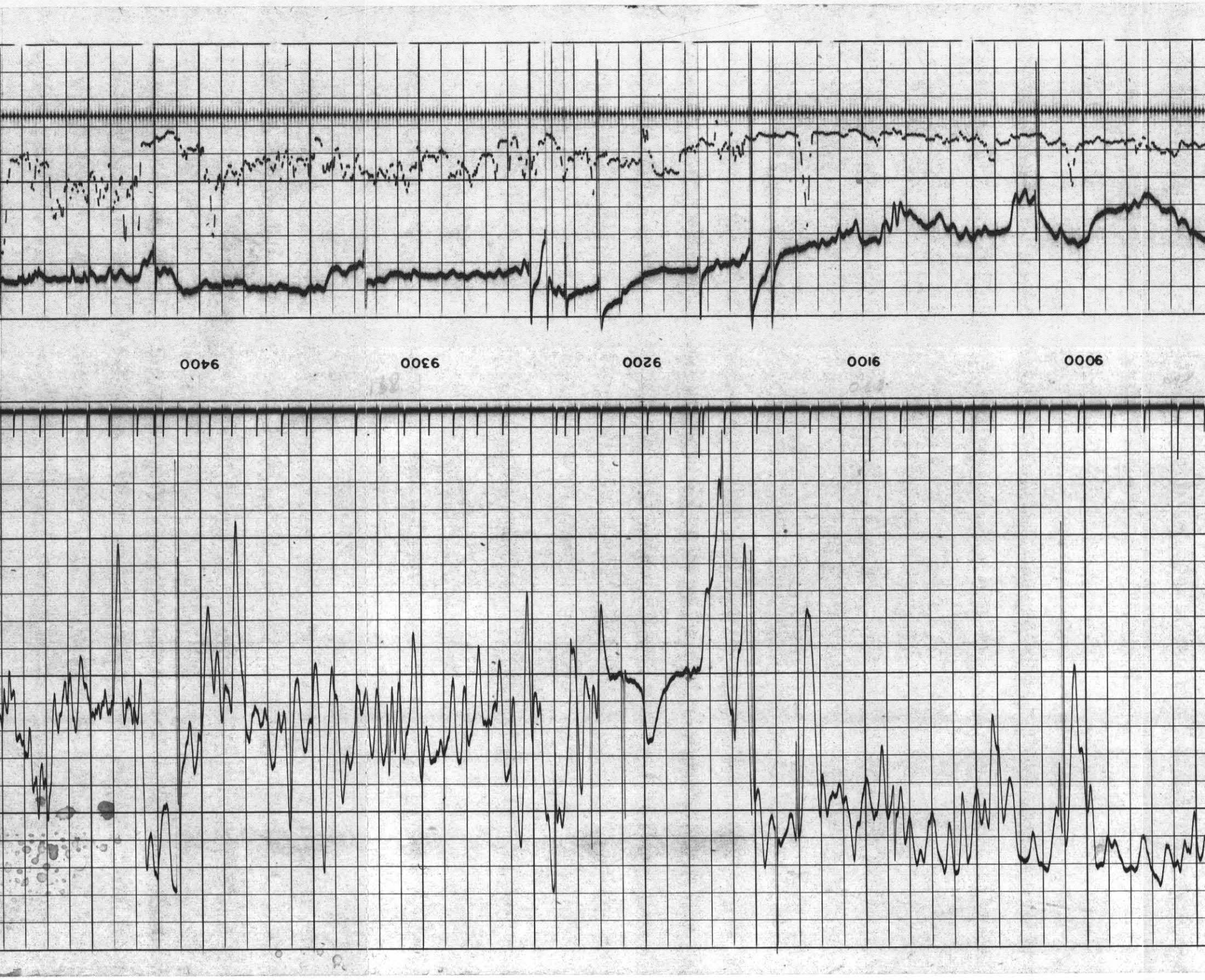
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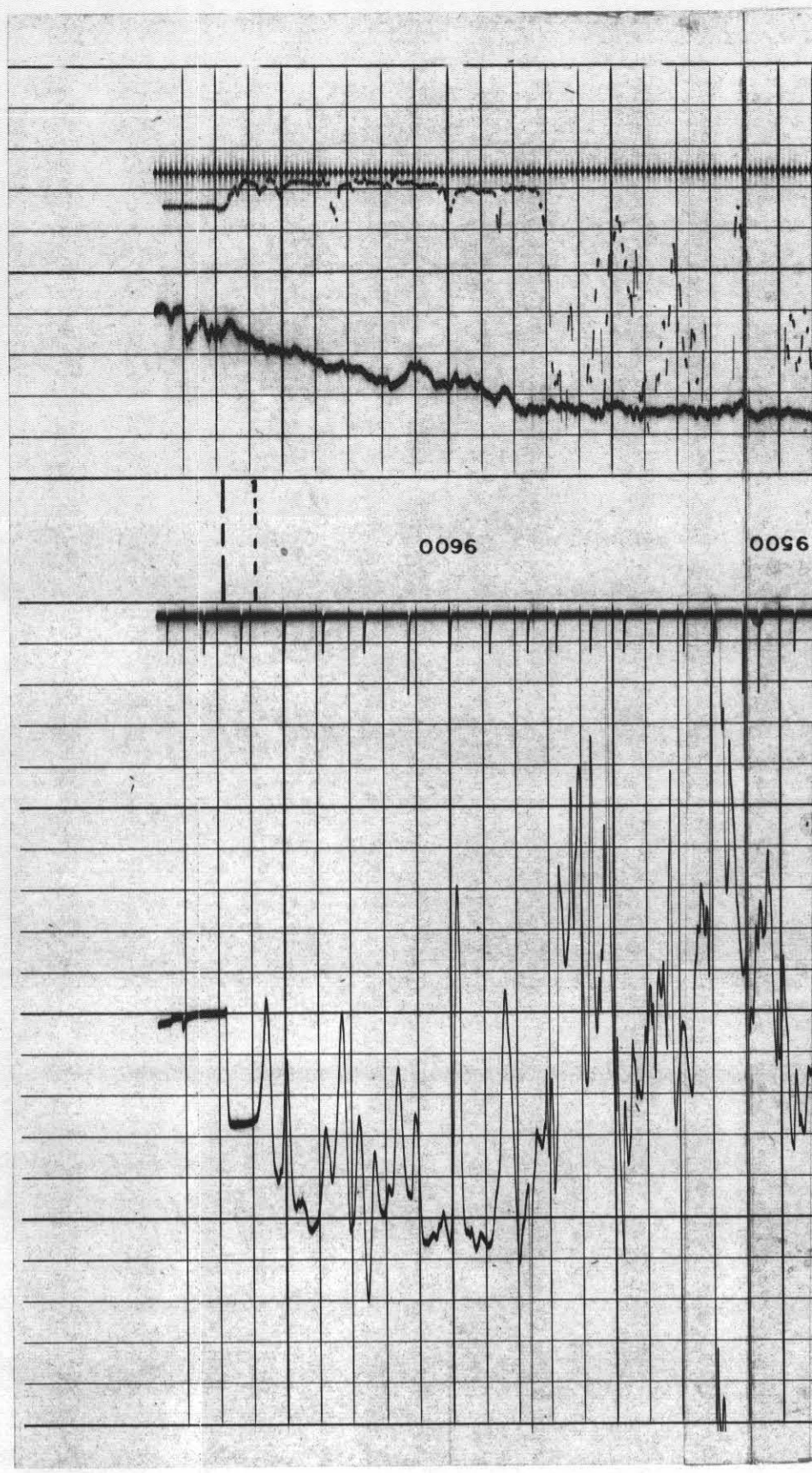
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