

GL02650

Schlumberger

FRACTURE IDENTIFICATION

LOG

WITH CORRELATION LOG

COUNTY _____
 FIELD _____
 LOCATION _____
 WELL _____
 COMPANY _____

COMPANY E G & G IDAHO, INC.
 WELL RRGP # 4B
 FIELD RAFT RIVER
 COUNTY CASSIA STATE IDAHO

LOCATION _____
 API SERIAL NO. _____ SEC. 23 TWP. 15S RANGE 26E
 Other Services: HRT, BHC, CNL-FDC, FBS, DIL

Permanent Datum: G.L.; Elev.: 4840
 Log Measured From KB; 16 Ft. Above Perm. Datum
 Drilling Measured From KB Elev.: 4856
 D.F. 4855
 G.L. 4840

Date	11/13/78		
Run No.	ONE		
Depth-Driller	5115		
Depth-Logger (Schl.)	5126		
Btm. Log Interval	5124		
Top Log Interval	3470		
Casing-Driller	95/8 @ 3457		
Casing-Logger	3471		
Bit Size	8.75		
Type Fluid in Hole	FORMATION WATER (FLOWING)		
Dens. Visc.			
pH	7.2	ml	ml
Source of Sample	FLOWLINE		
Rm @ Meas. Temp.	2.38 @ 96	°F	°F
Rmf @ Meas. Temp.	2.05 @ 92	°F	°F
Rmc @ Meas. Temp.	@	°F	°F
Source: Rmf Rmc	M N/A	°F	°F
Rm @ BHT	62 @ 250F	°F	°F
Circulation Stopped	N/A		
Logger on Bottom	0145		
Max. Rec. Temp.	252 °F		
Equip. Location	8060 EVSTN		
Recorded By	ROONEY/CHRISTENSEN		
Witnessed By Mr.	RAY STEADHAM / LYNN NELSON		

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

REMARKS: Service Order No. 10964 Magnetic Declination ?

Run No.	1	2	3	4	ROLL NO.	INTERVAL
Tool Type	HDT-D					
HDP	DAM-735					
DDR	TTR CSU CSU					
DPI						
HDM	1942					
HDE	1747					
HDS	1768					
Adapter Head	1715					
UG	CG SAH X					
5" Film	10" Film 60" Record X X					
Analog	Digital X					
Circulation Stopped	N/A					
Schl. on Bottom	0145					

TOOL AZIMUTH AND HOLE DIRECTION CALCULATION

(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.

DEFINITIONS
 (AZI) AZIMUTH OF REFERENCE ELECTRODE = Clockwise angle from N to REF.
 (RBR) RELATIVE BEARING = Clockwise angle from DHD to REF.
 (AHD) AZIMUTH OF HOLE DEV. (TOOL AXIS) = Clockwise angle from N to DHD.

LOW ANGLE UNIT

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

HIGH ANGLE UNIT

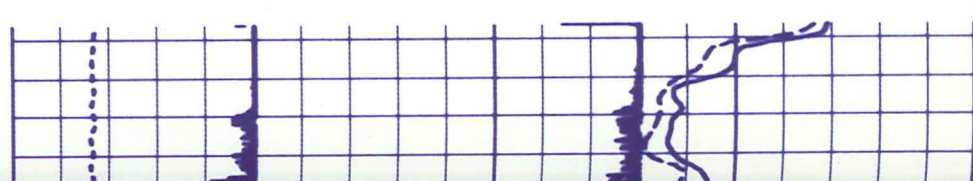
EXAMPLE
 HDM - High Angle Unit (0-72°)
 AHD (solid curve) = 100°
 RBR (dotted curve) = 230°
 AZI = AHD + RBR = 100° + 230° = 330°

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.

SP (MY)	750.0
DEVI (DEG)	18.00
RB (DEG)	360.0
AZIM (DEG)	360.0

TENS (LB)	10000.
C2 (INCH)	6.000
C1 (INCH)	6.000

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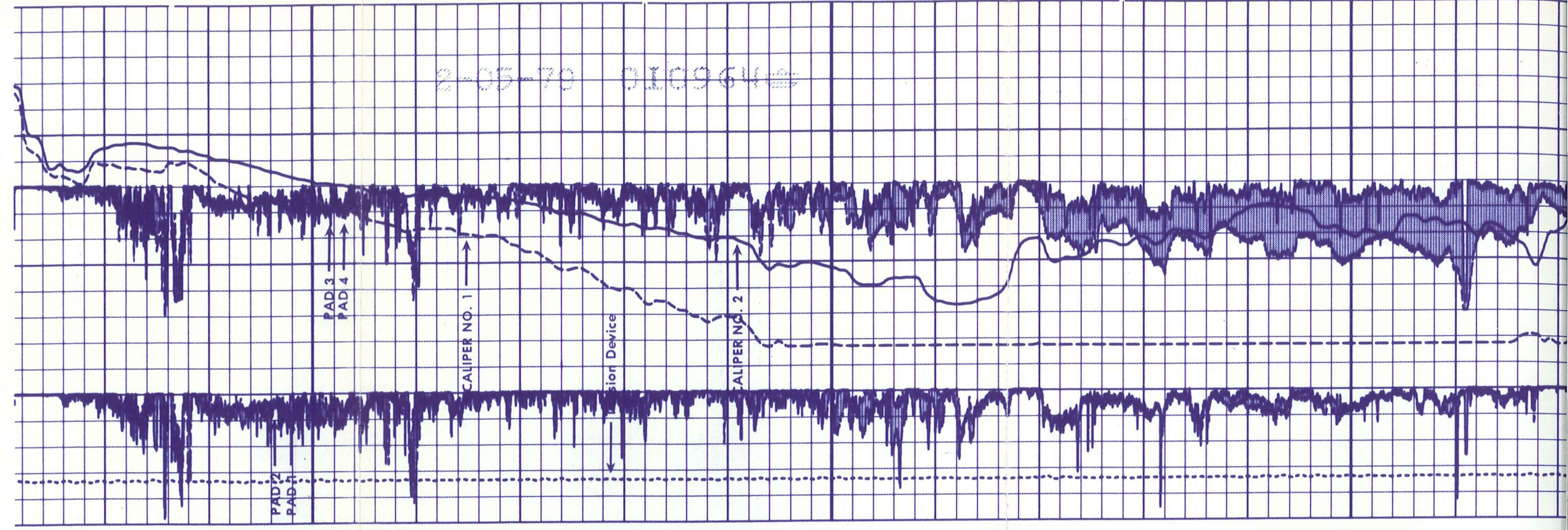


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10964E

2-05-70 010964E

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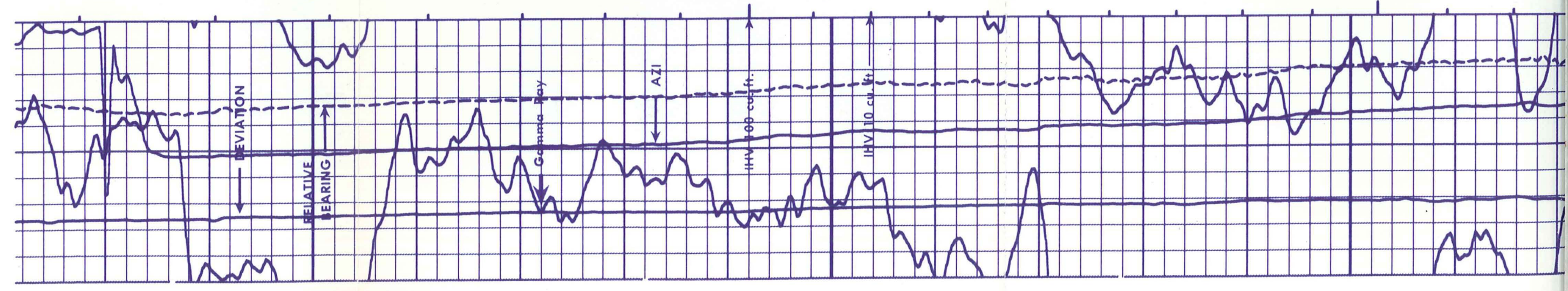
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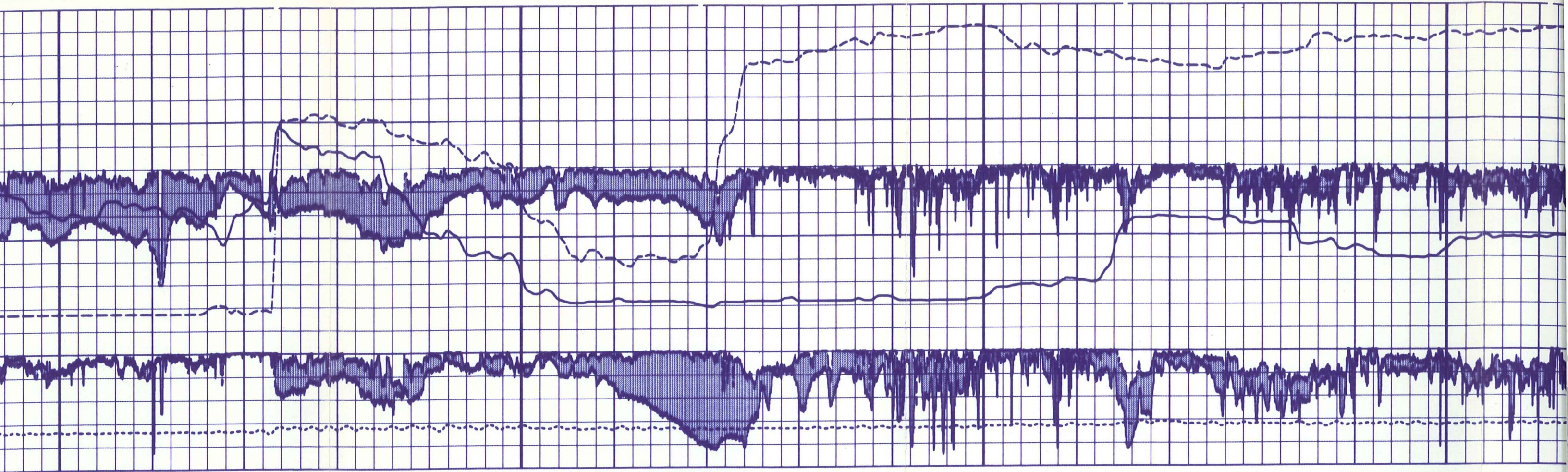
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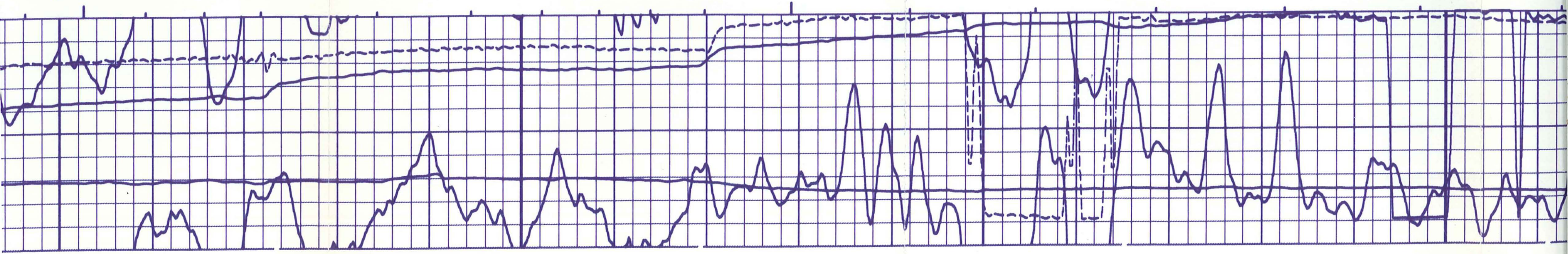


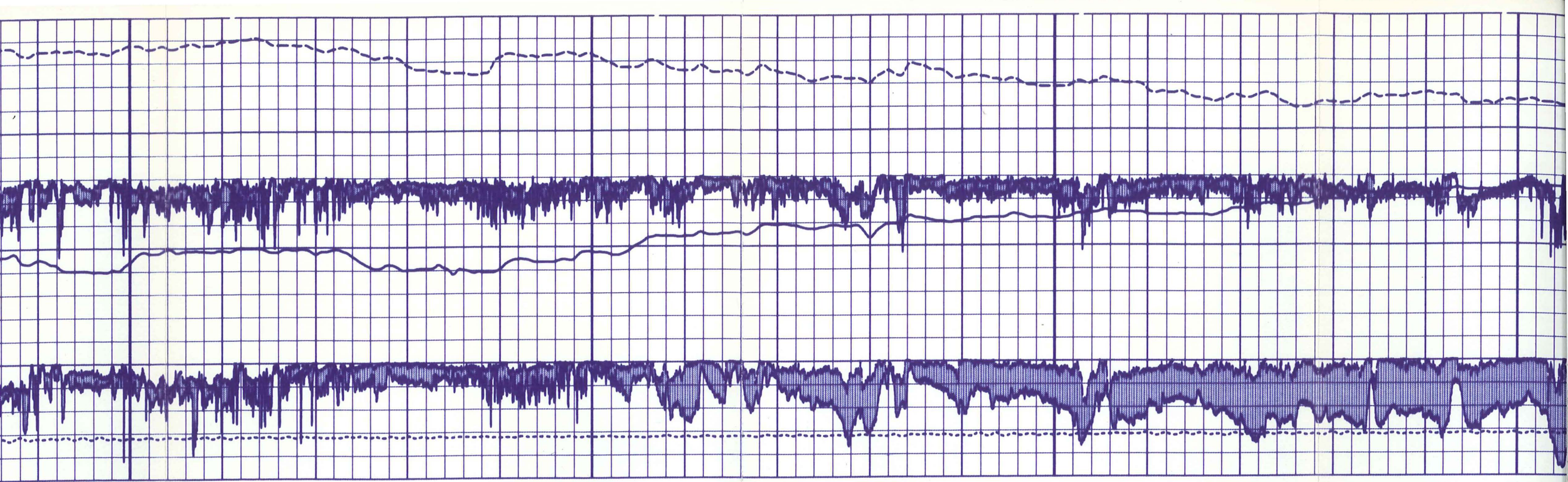
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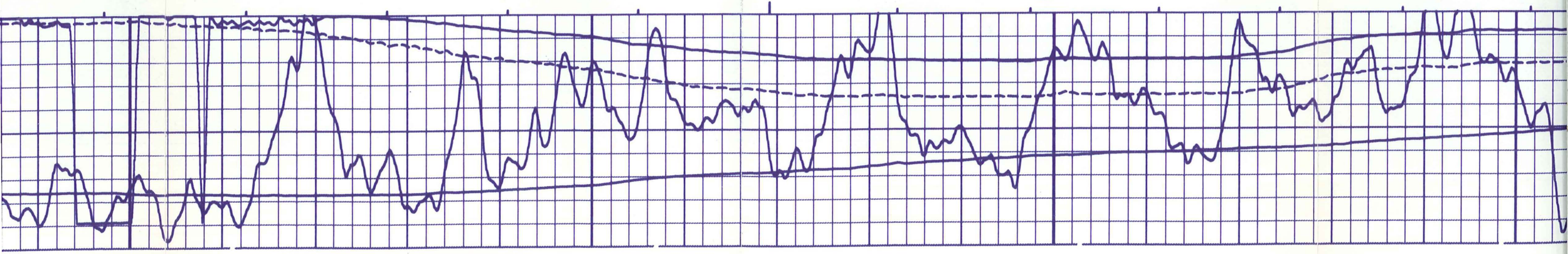


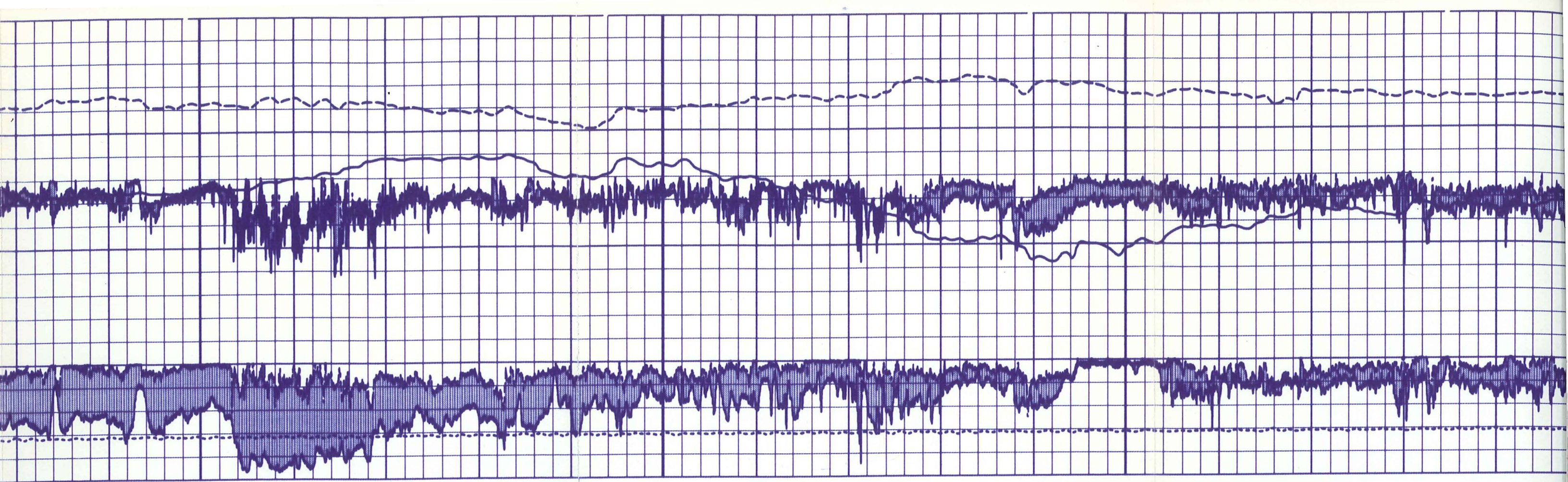
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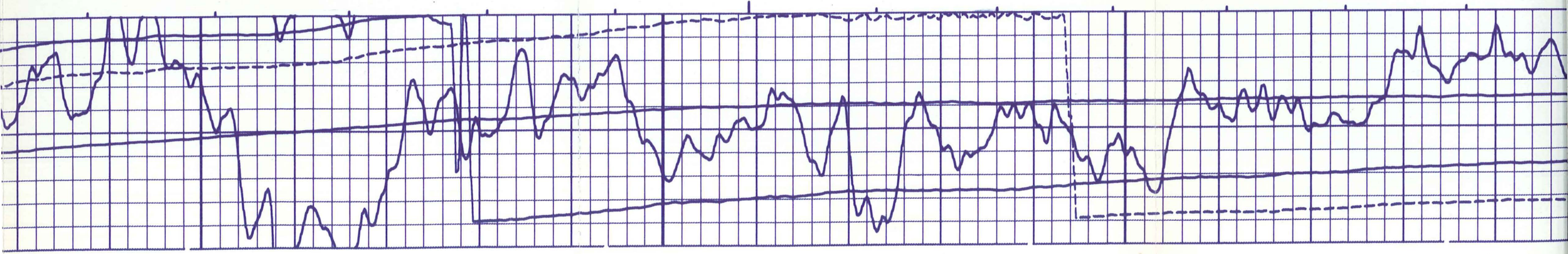


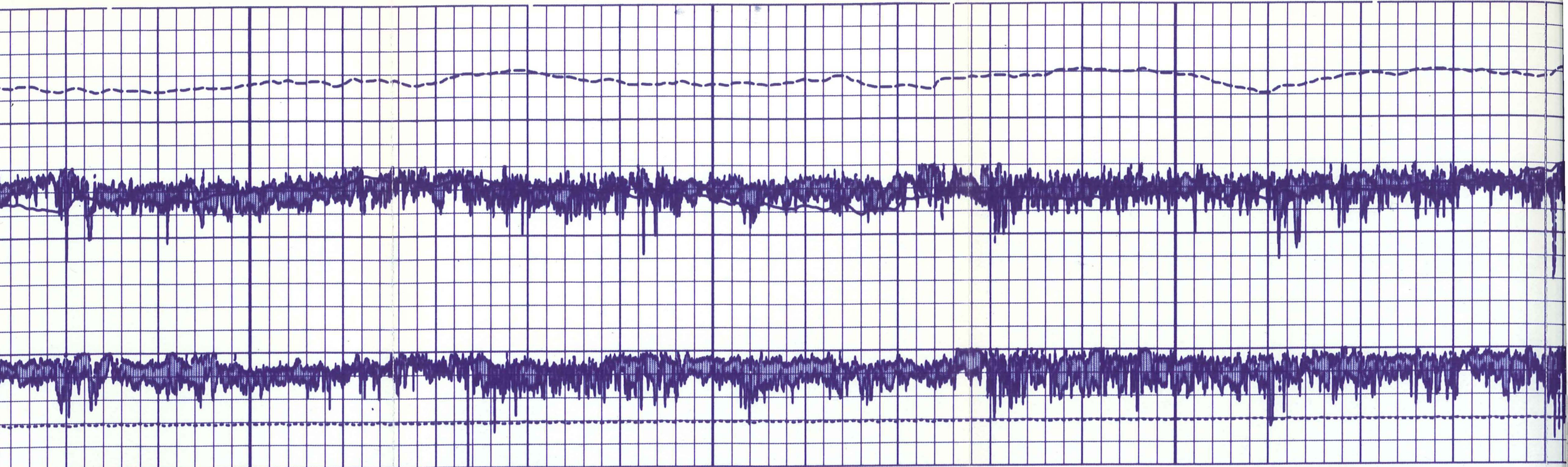


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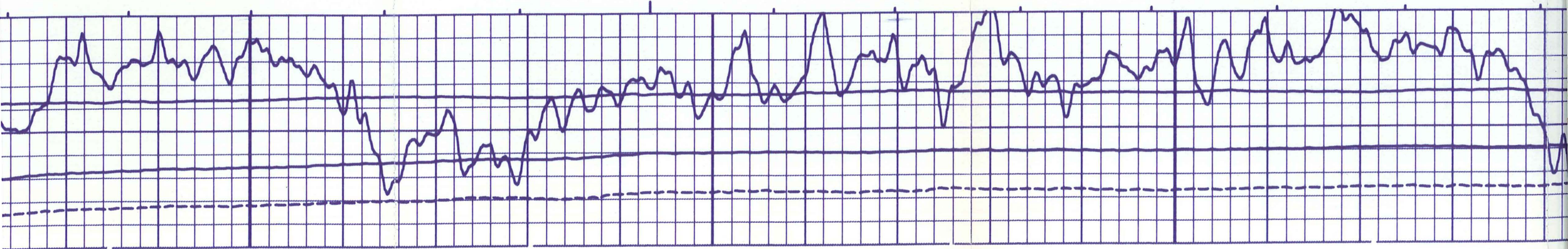


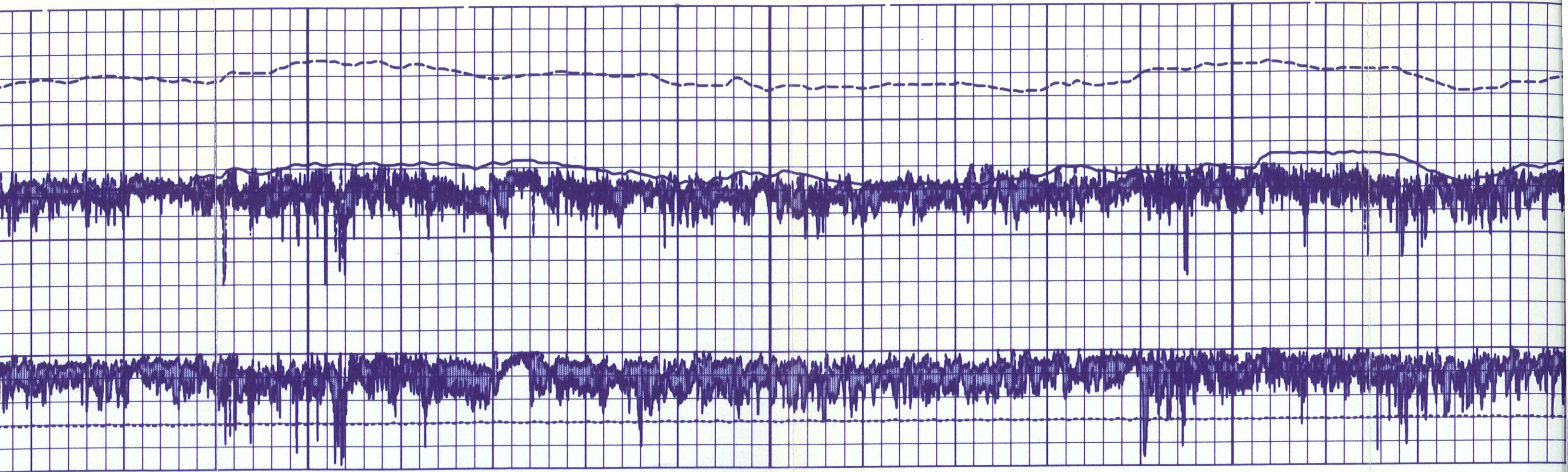


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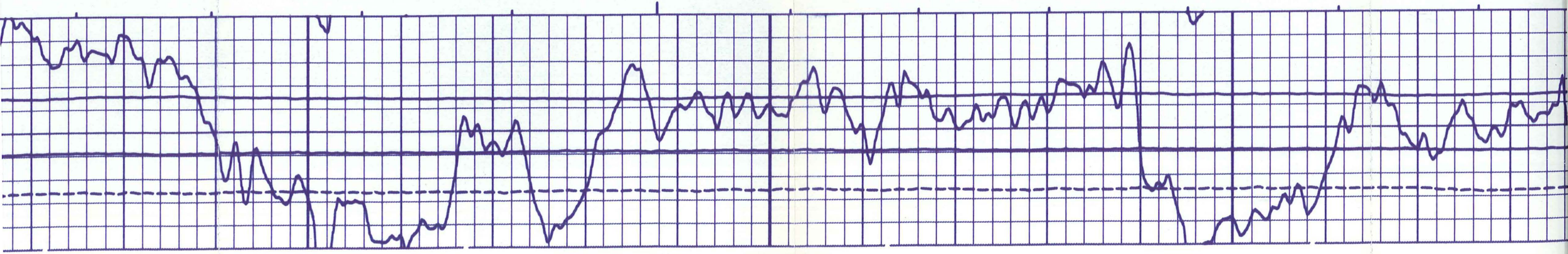


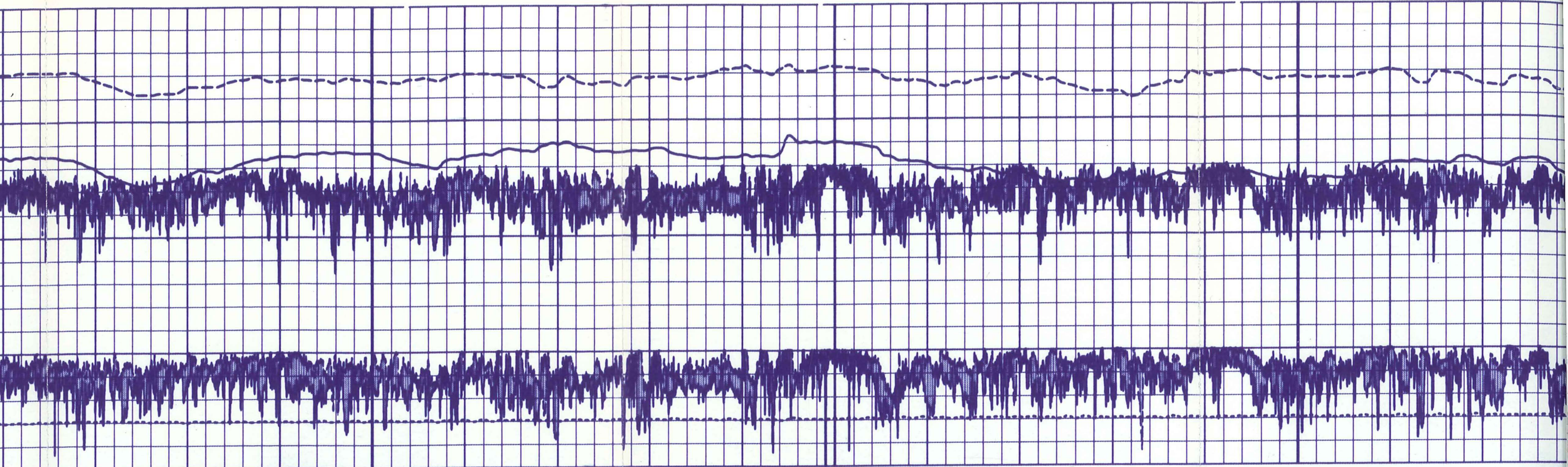


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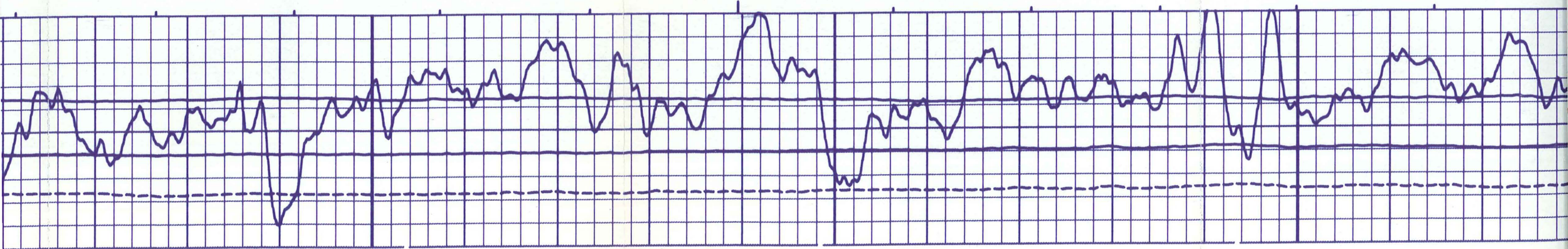


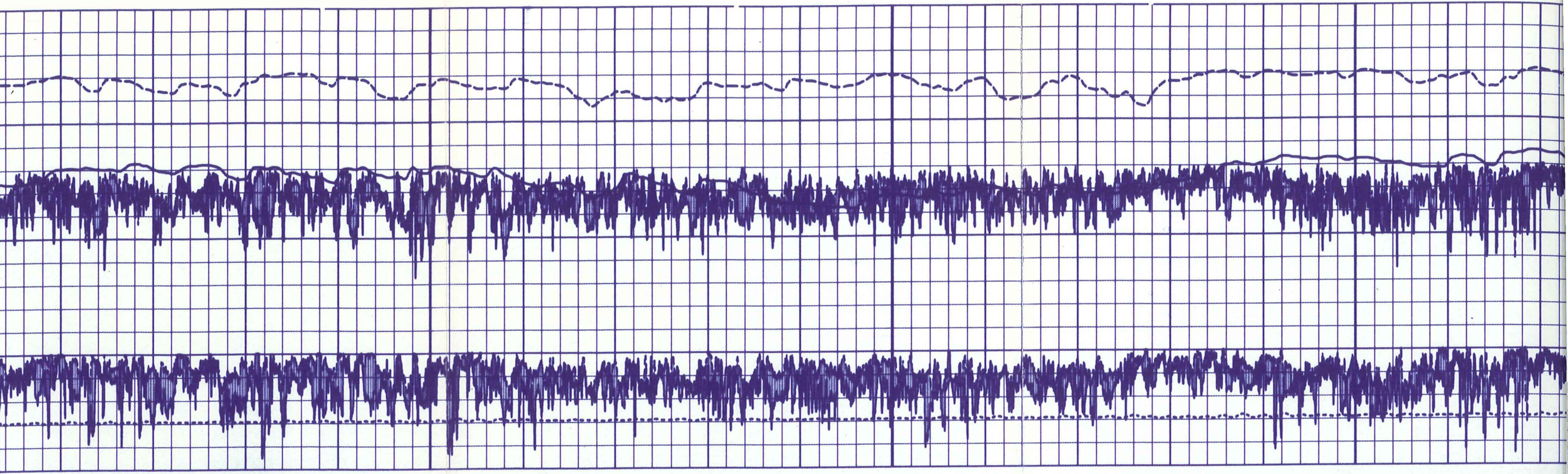


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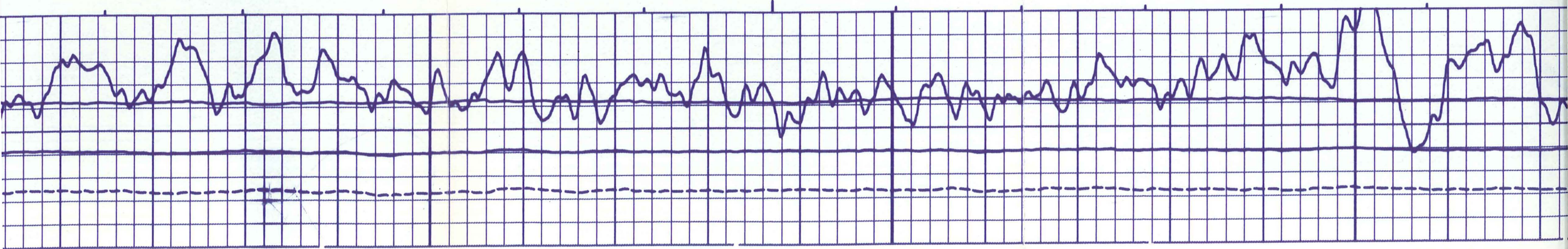


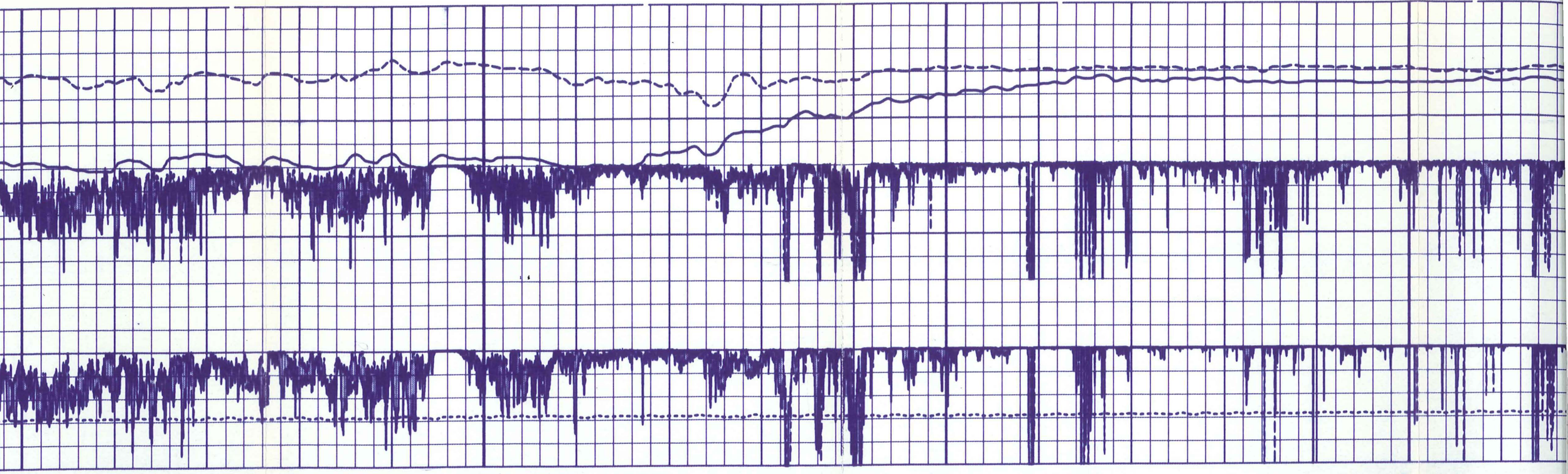


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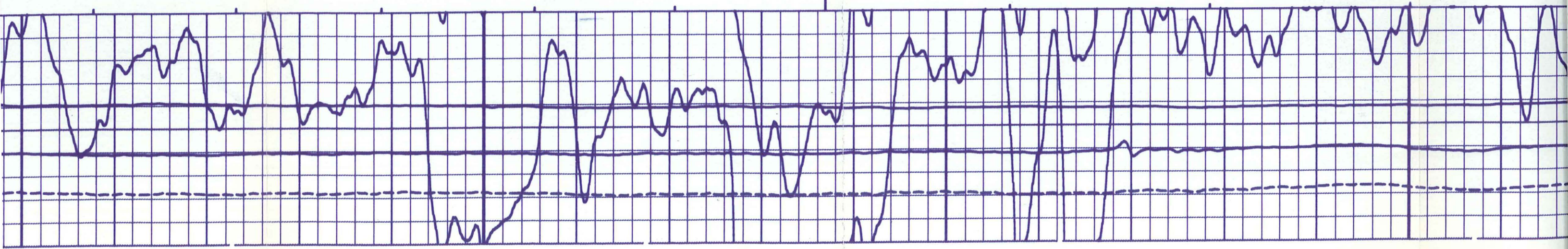
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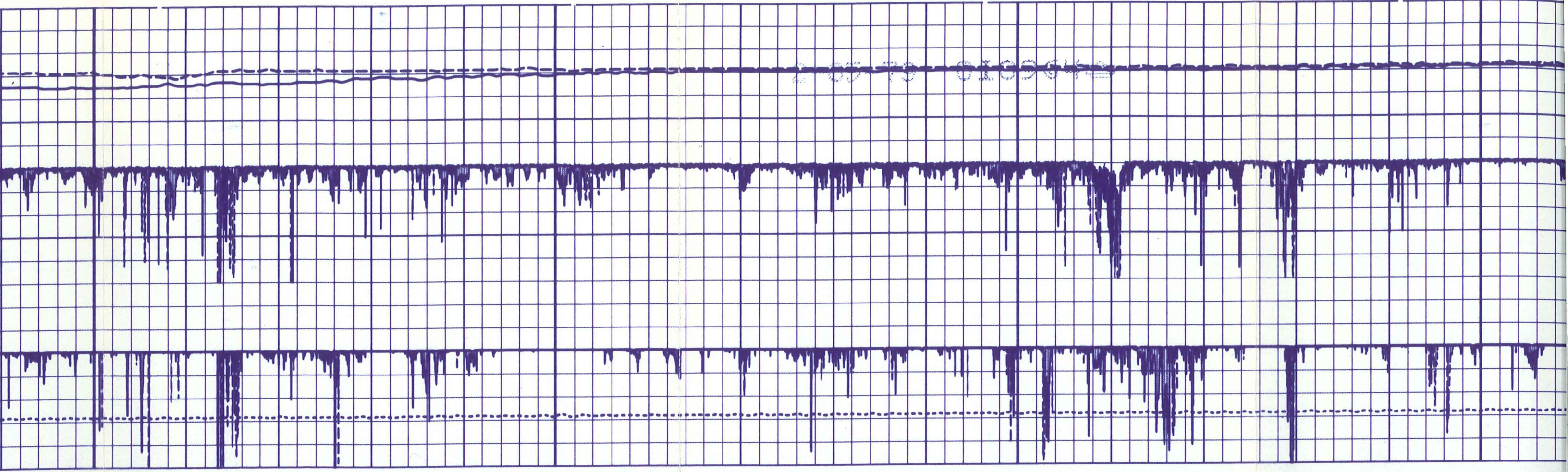
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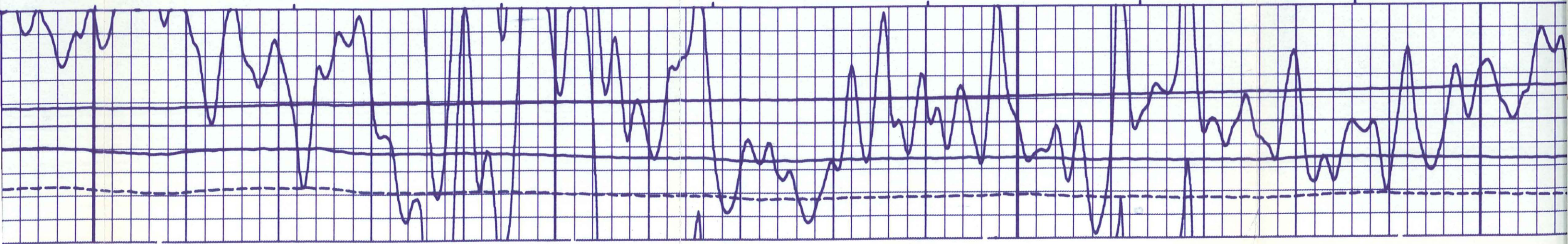


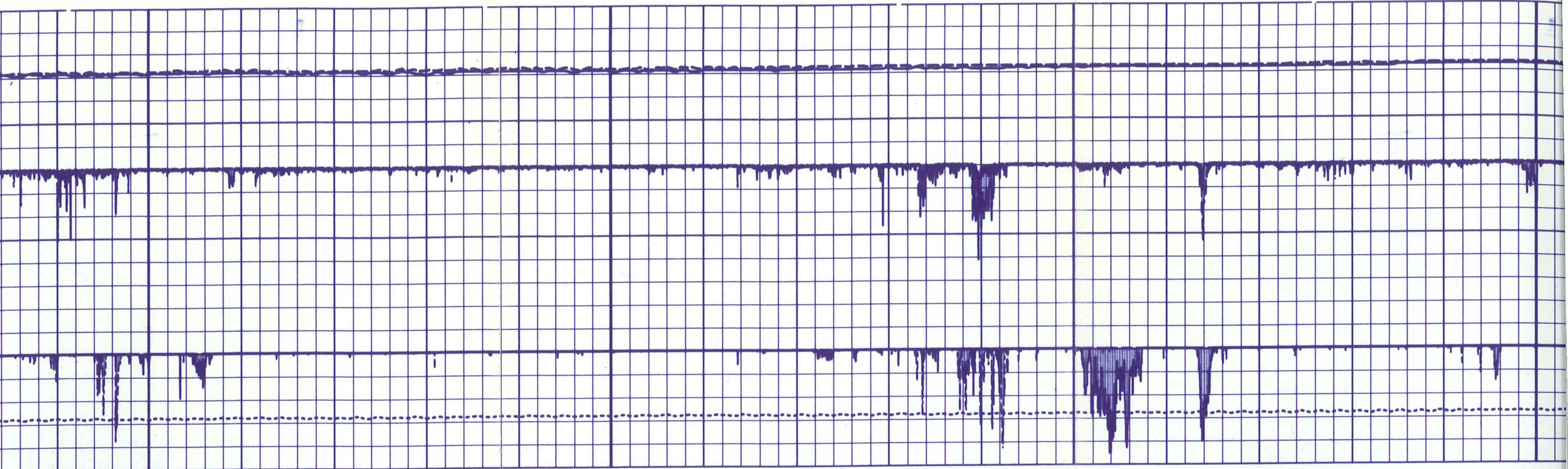
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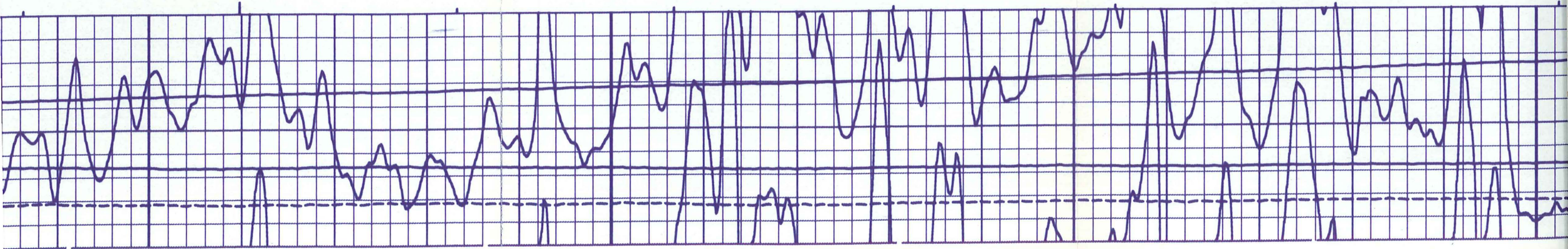


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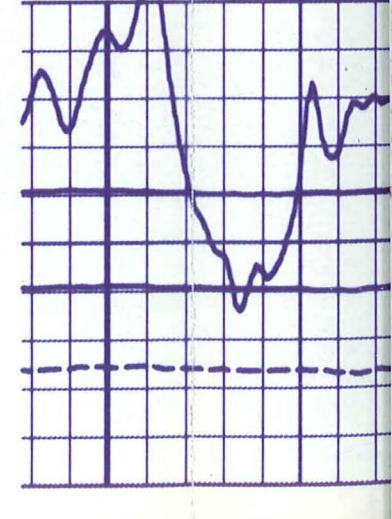
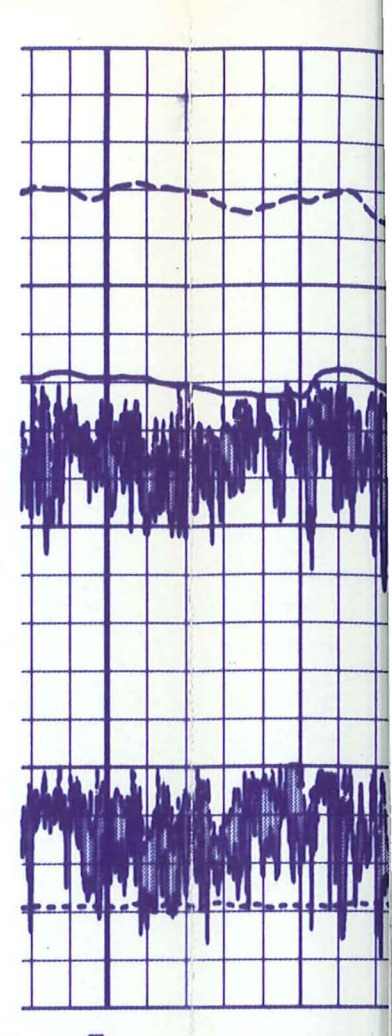
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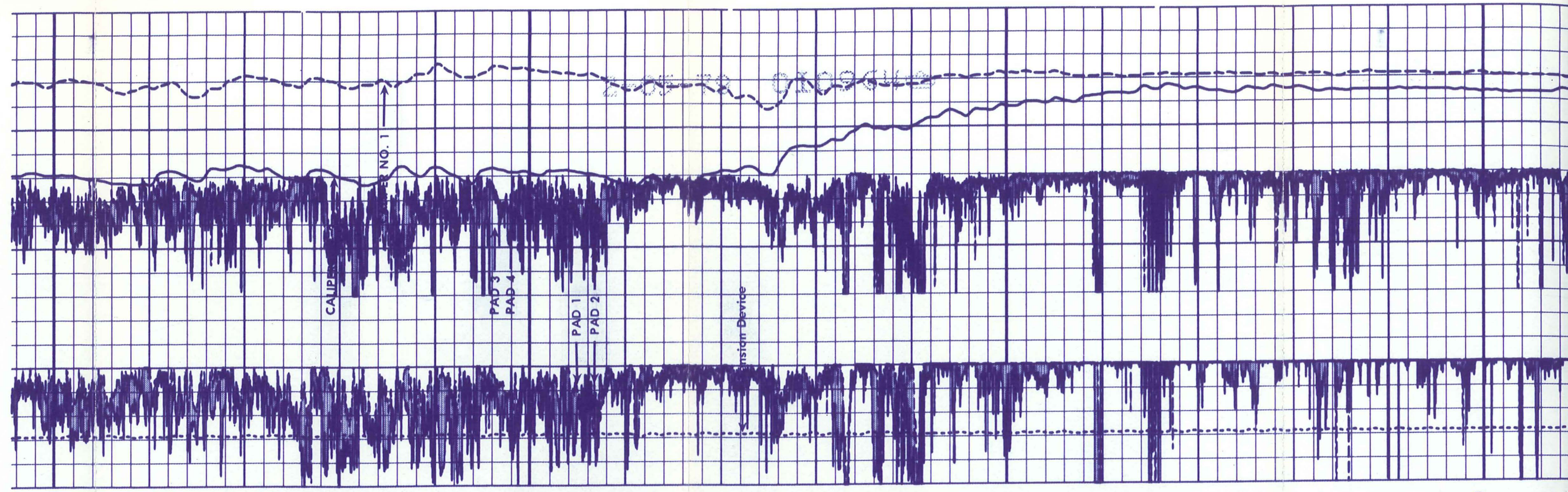


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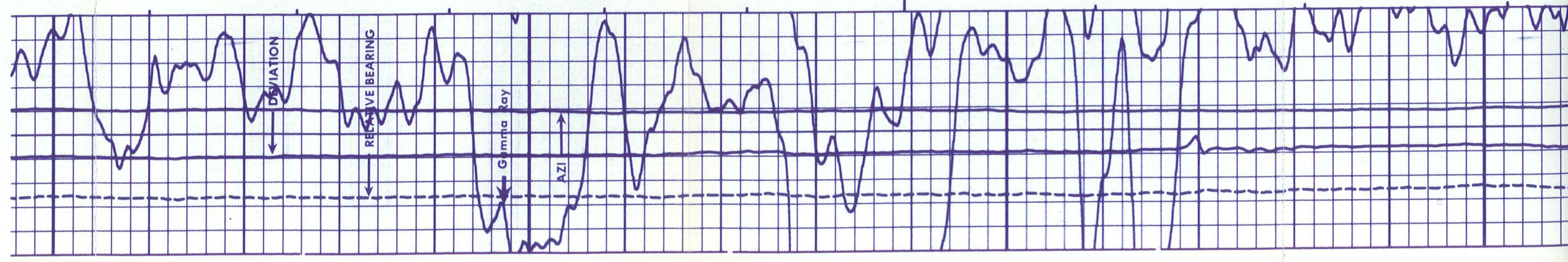


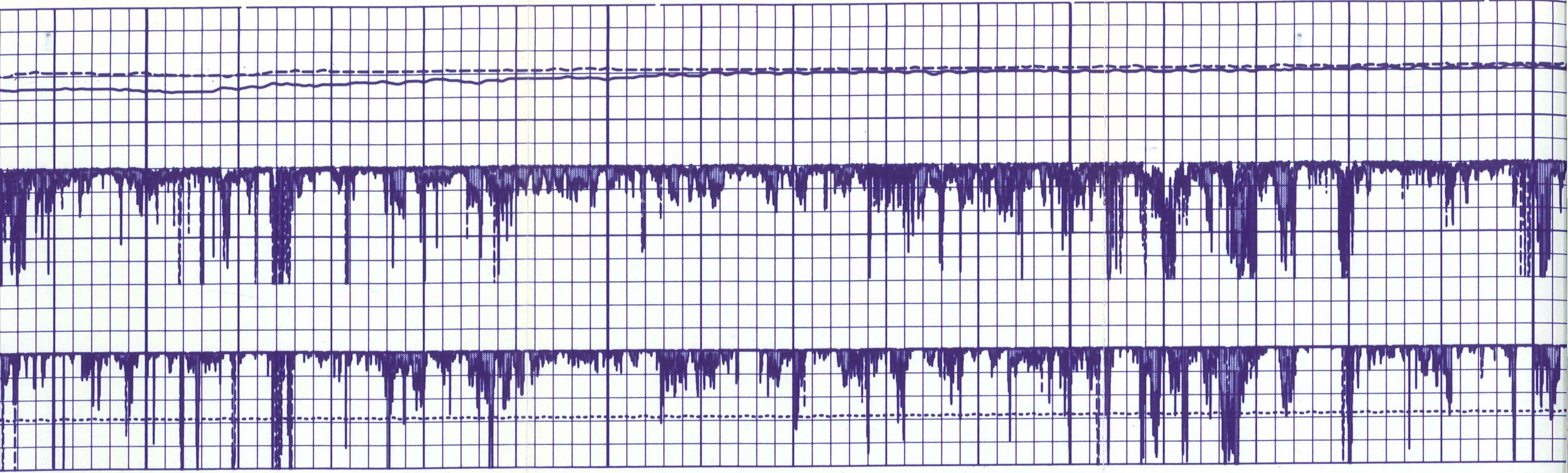
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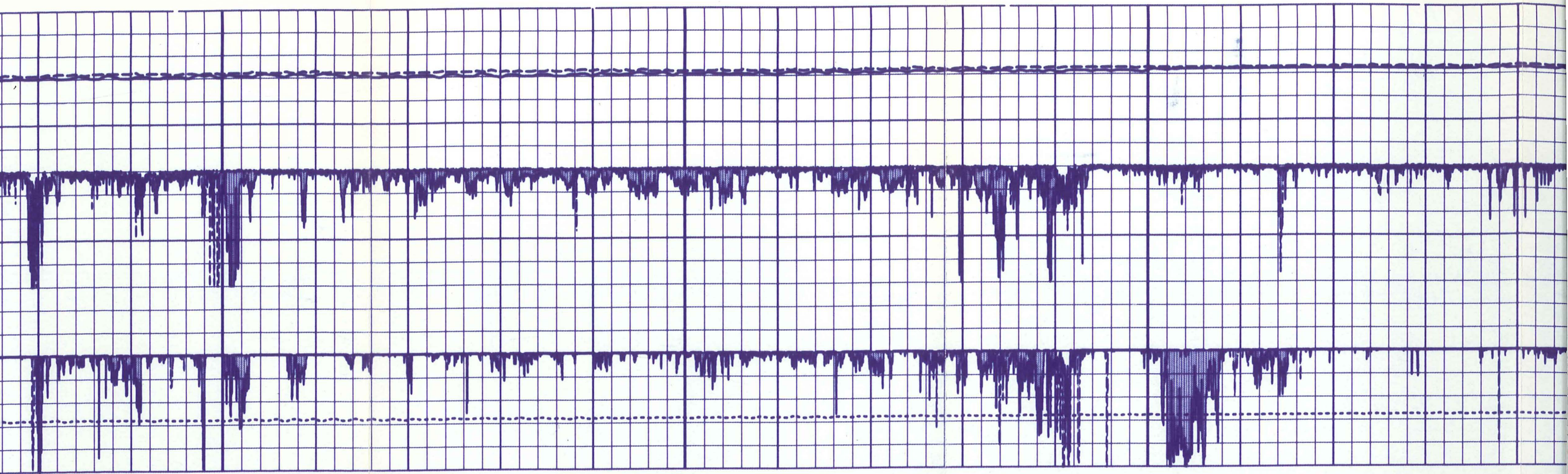
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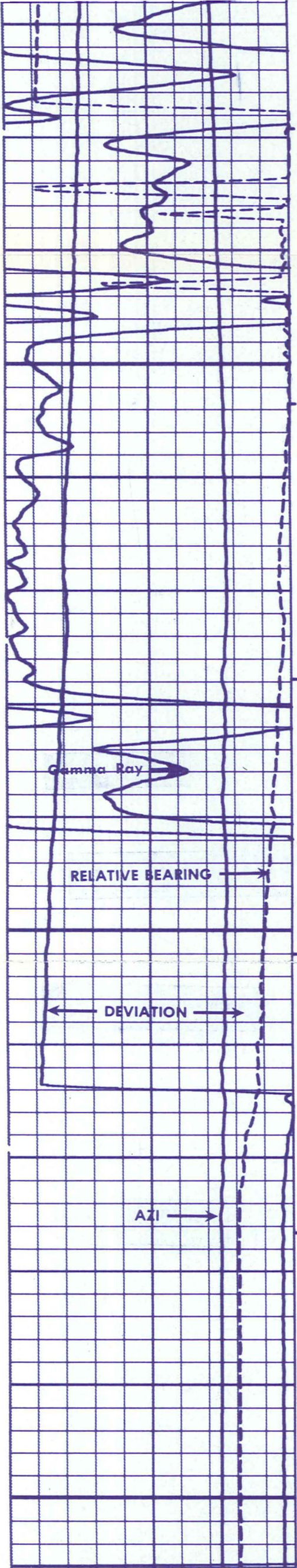


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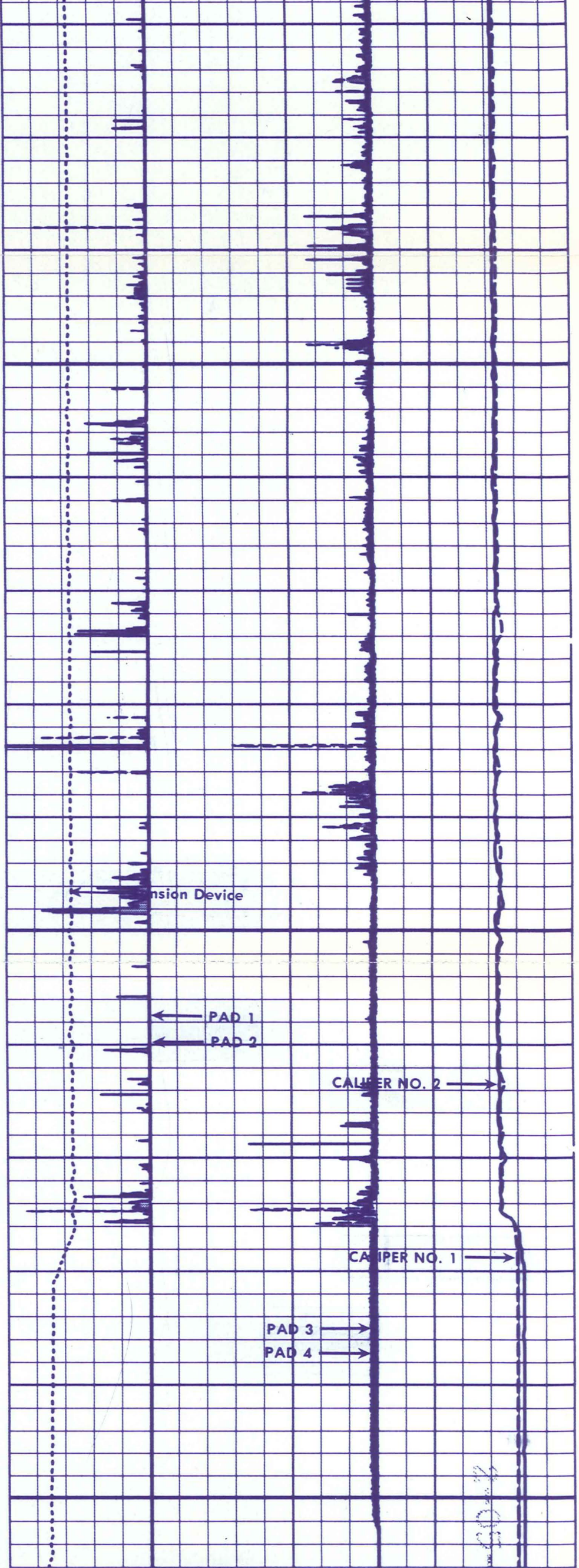


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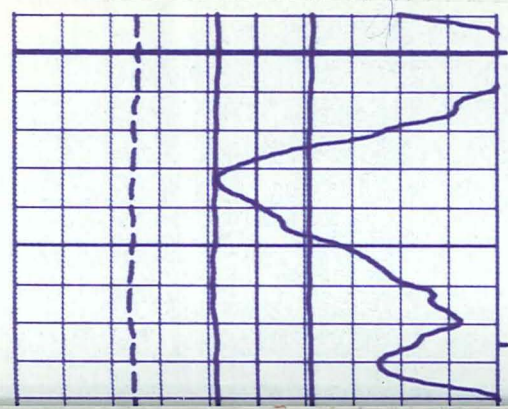
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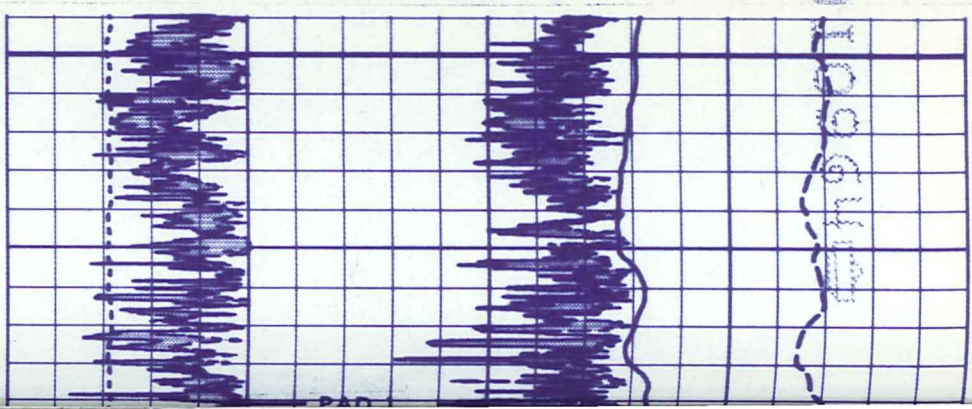


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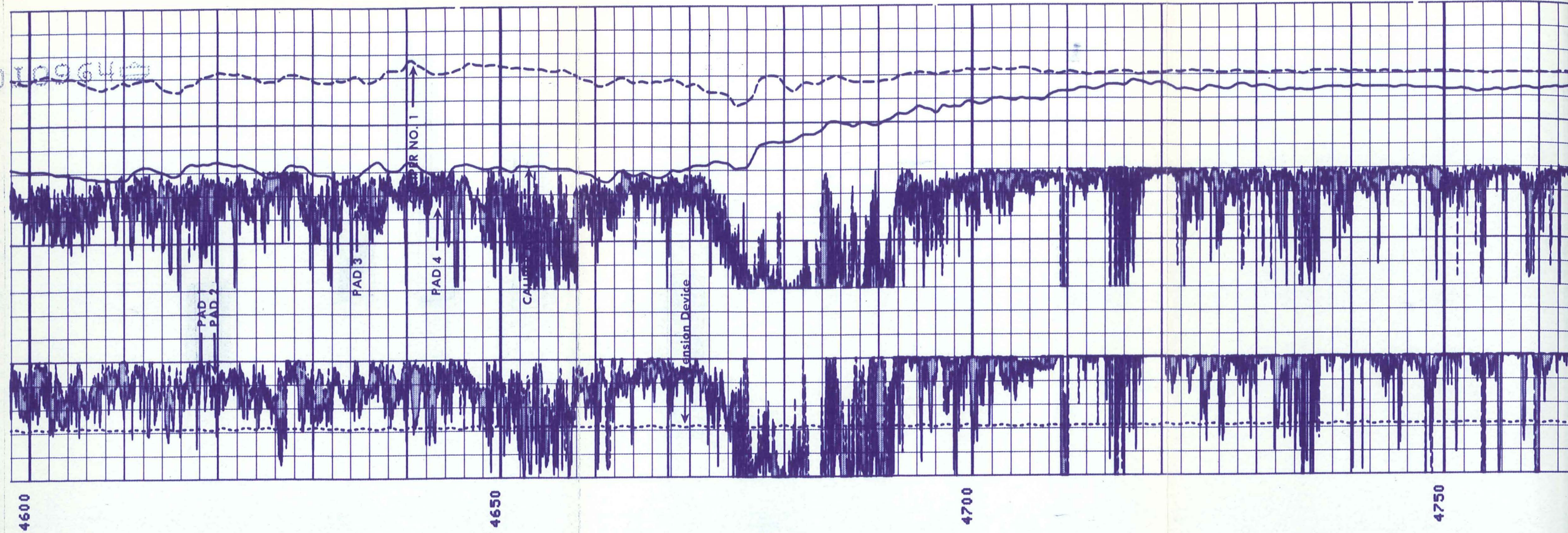


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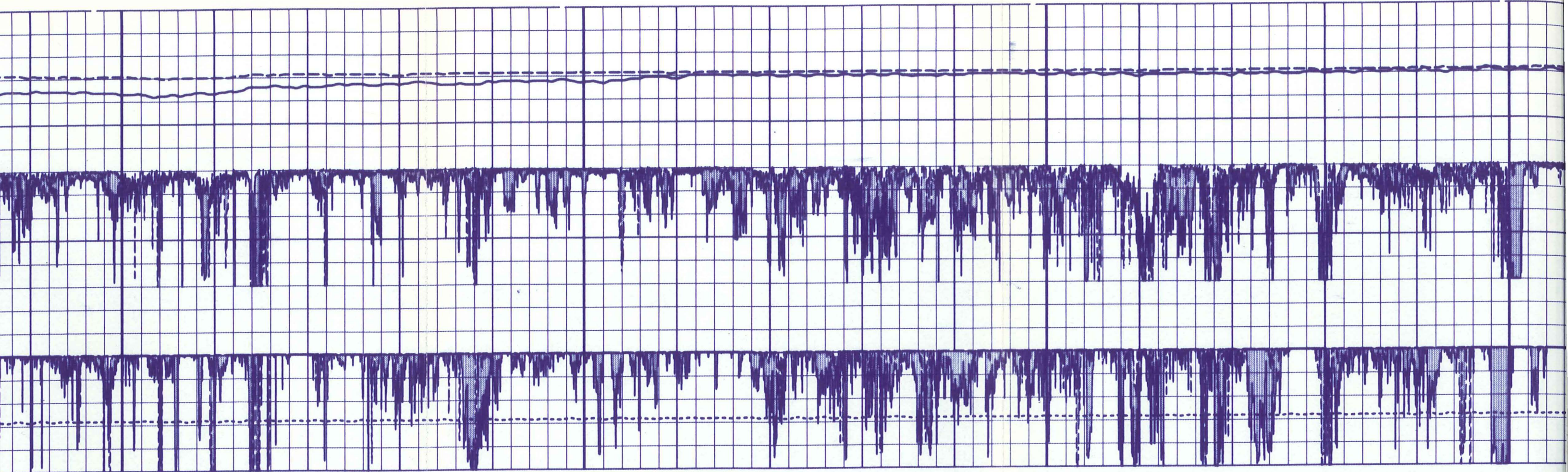
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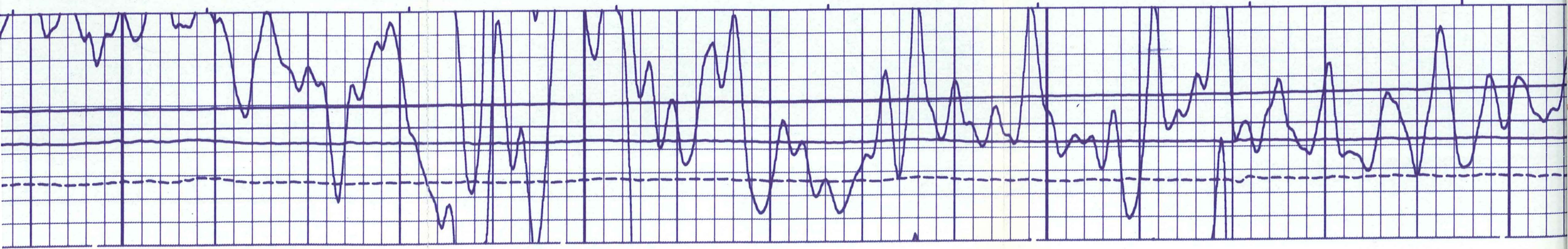


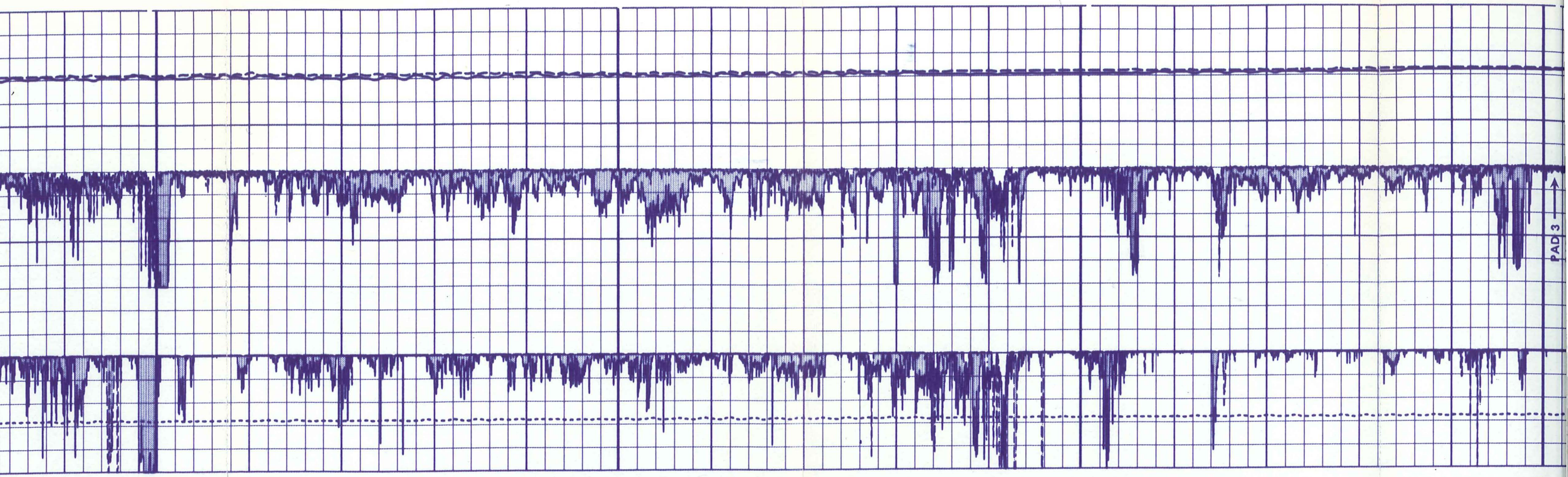
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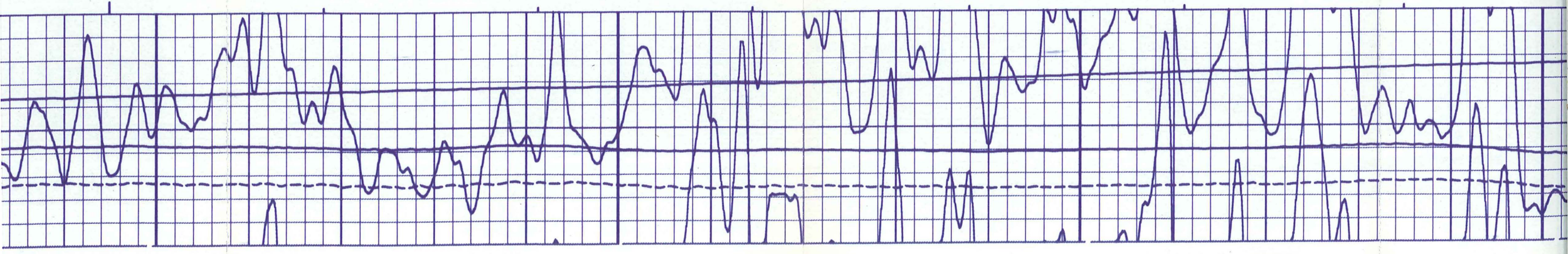
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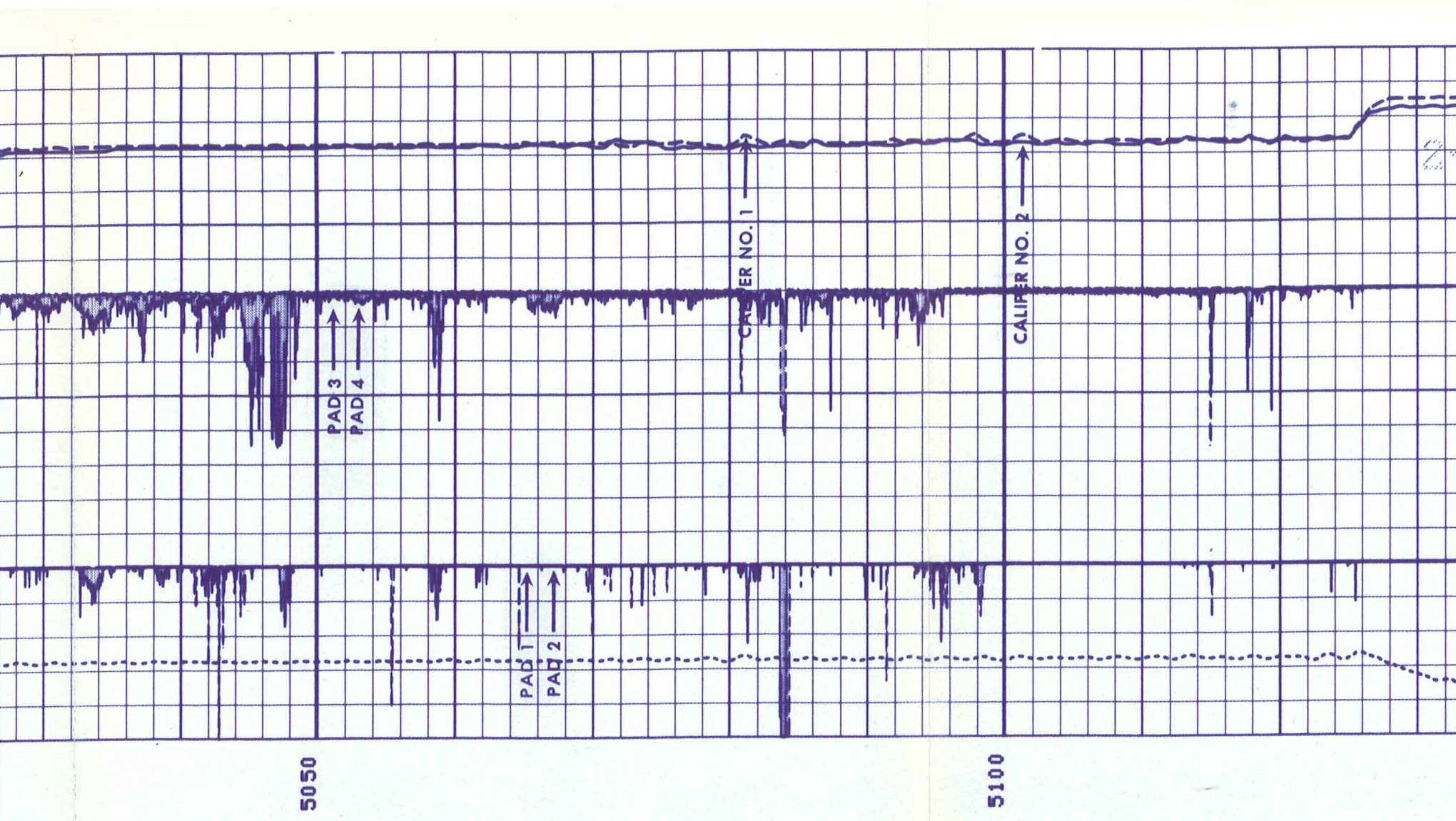
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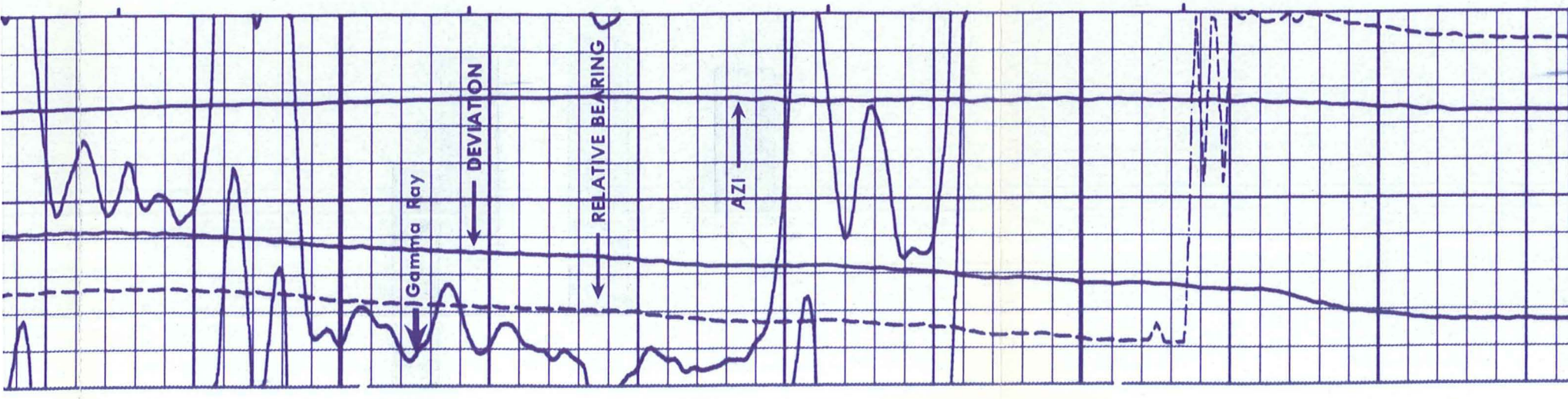
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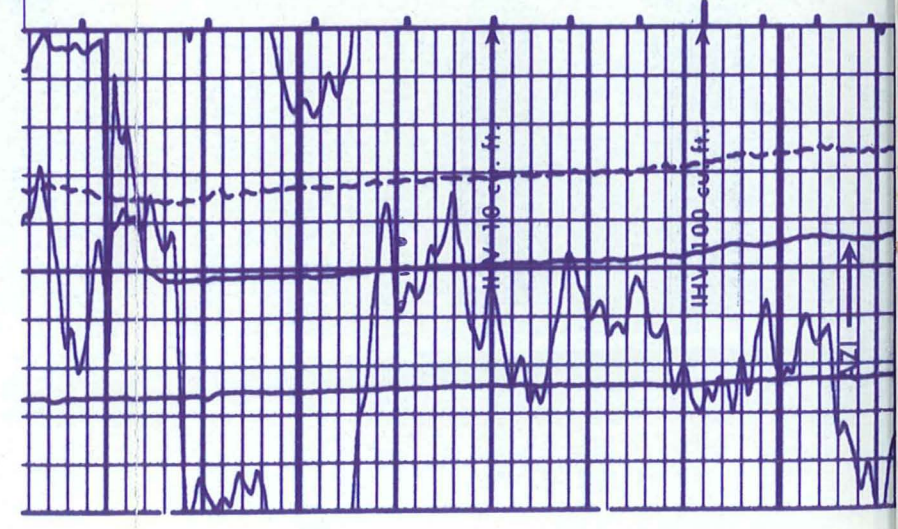
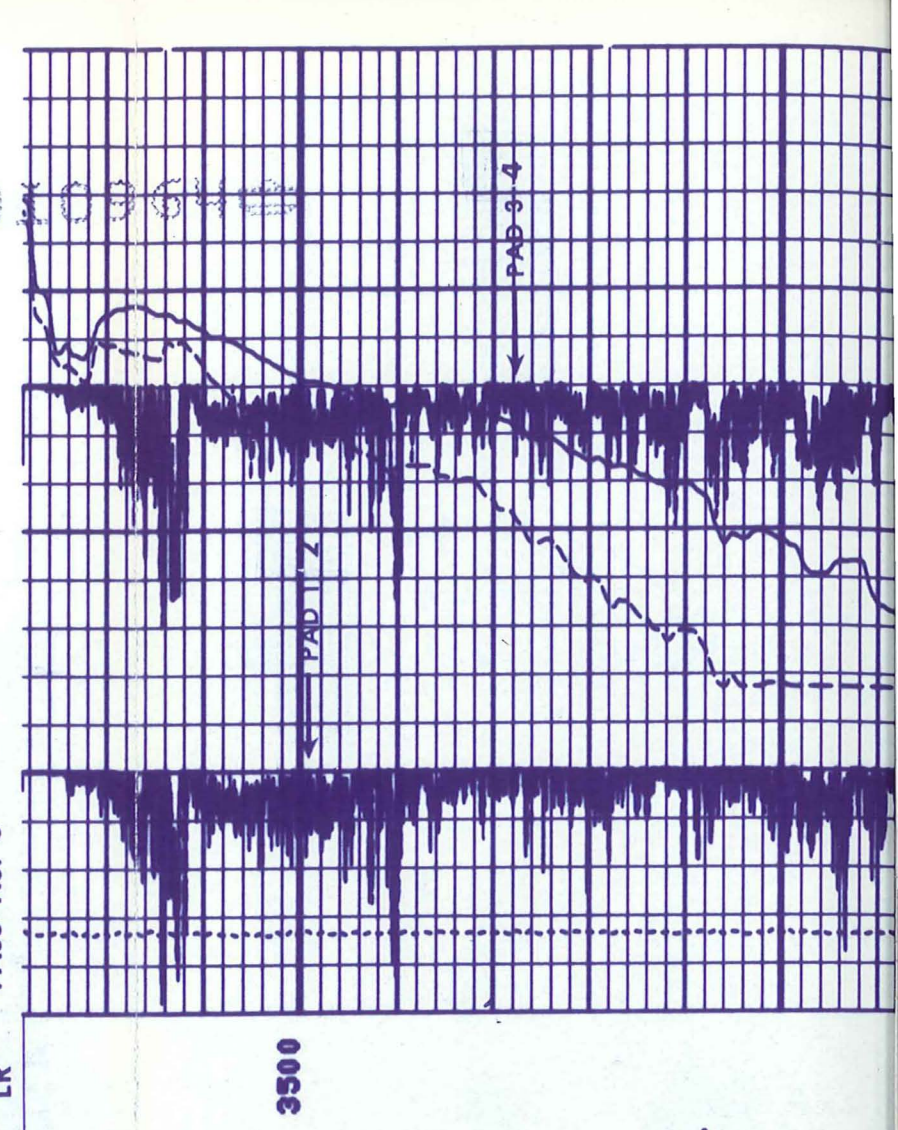
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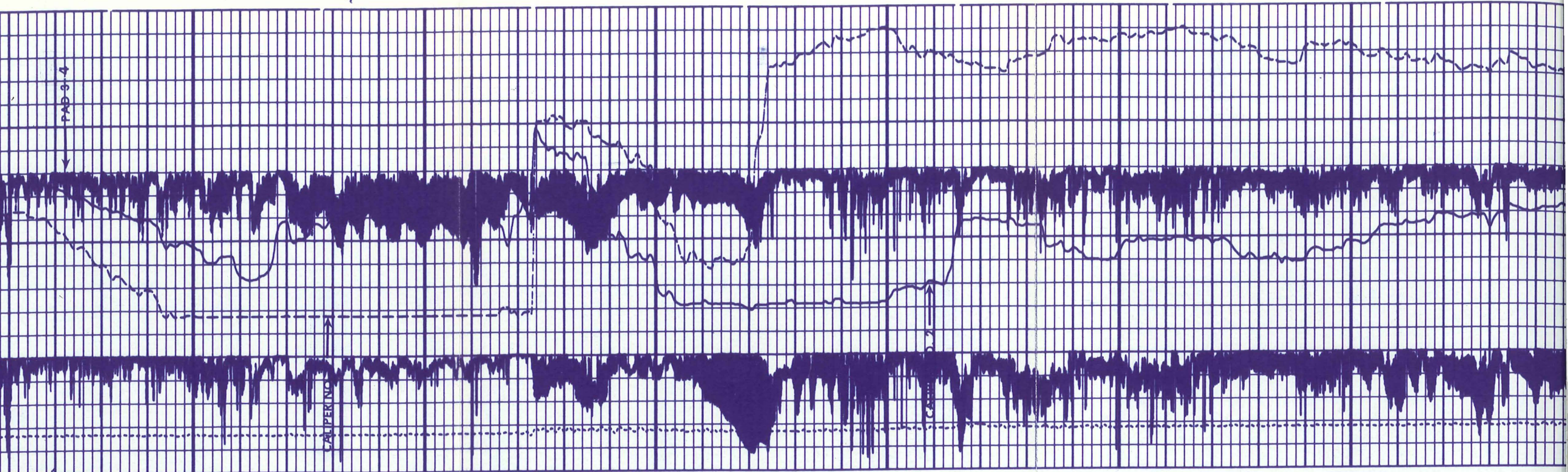
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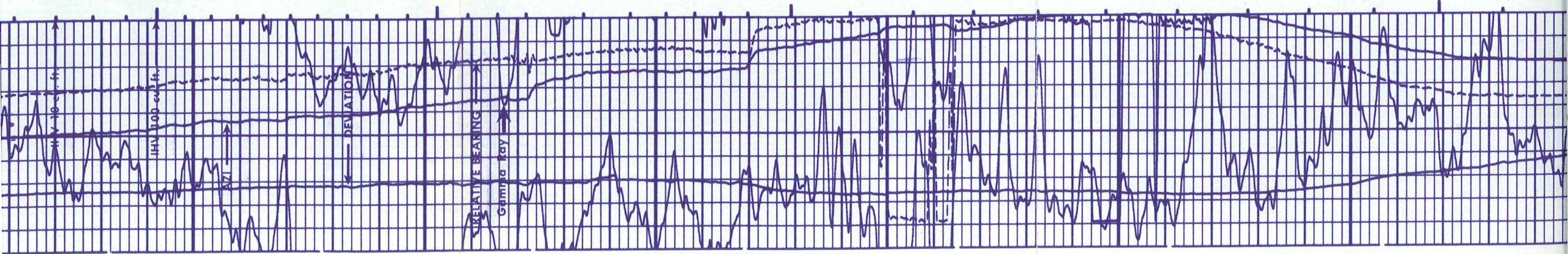


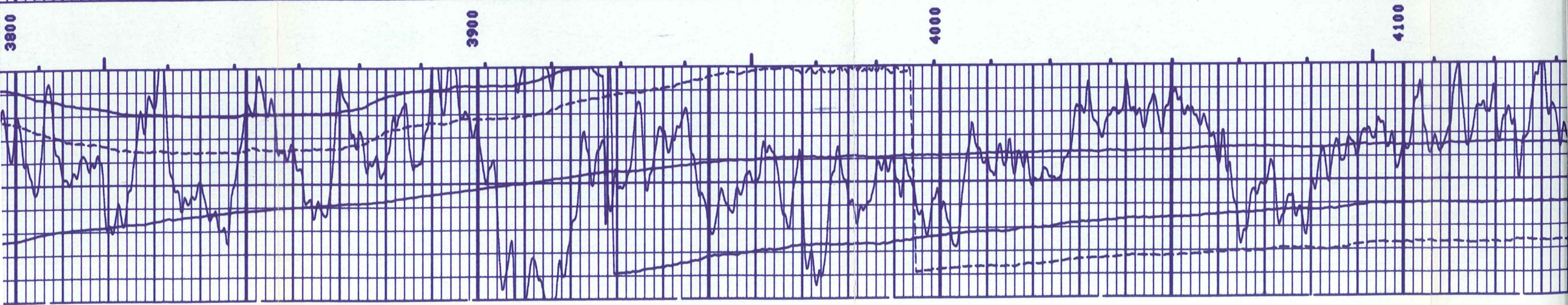
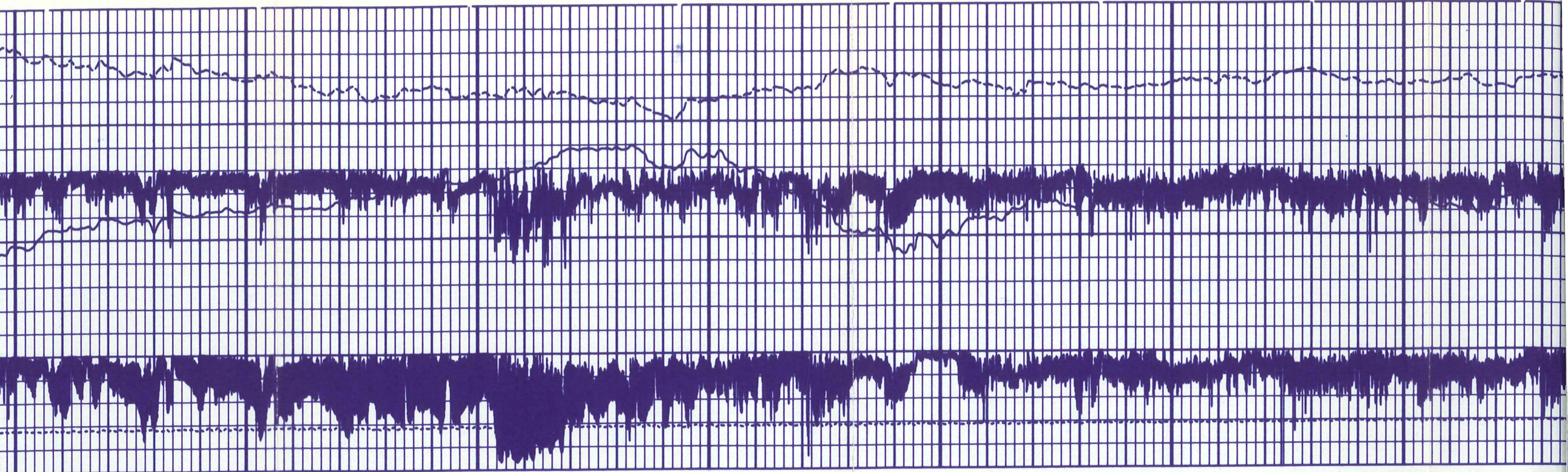


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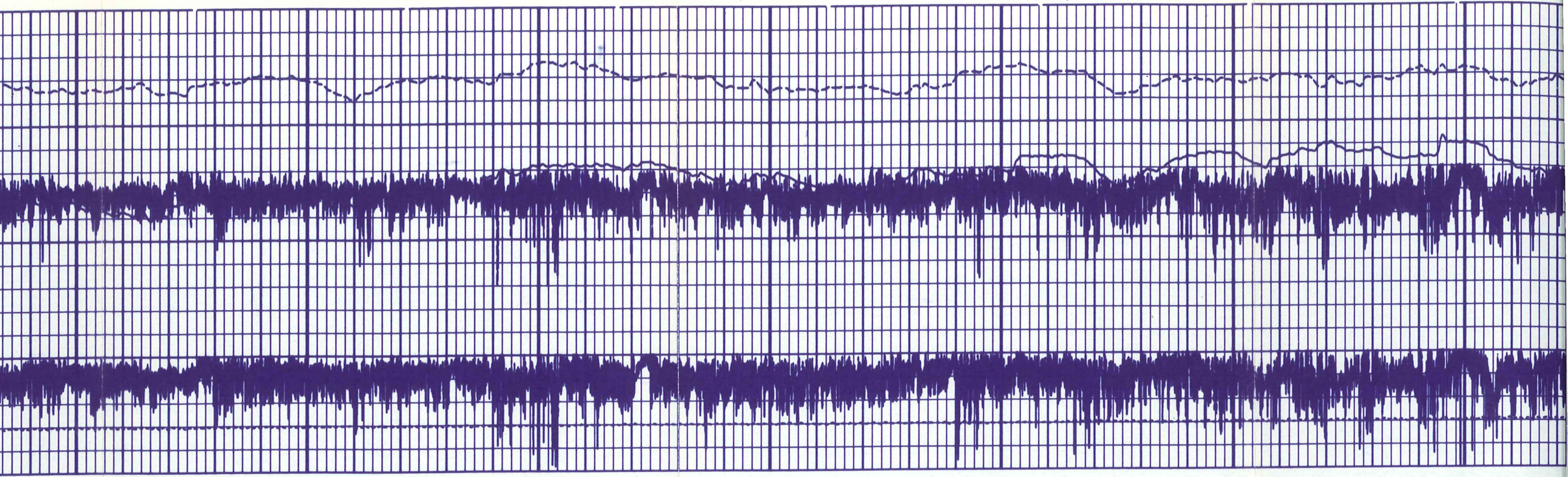


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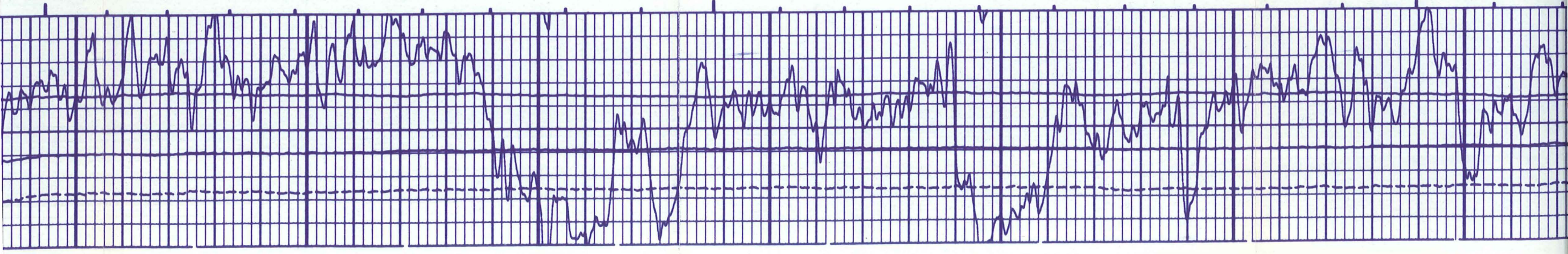


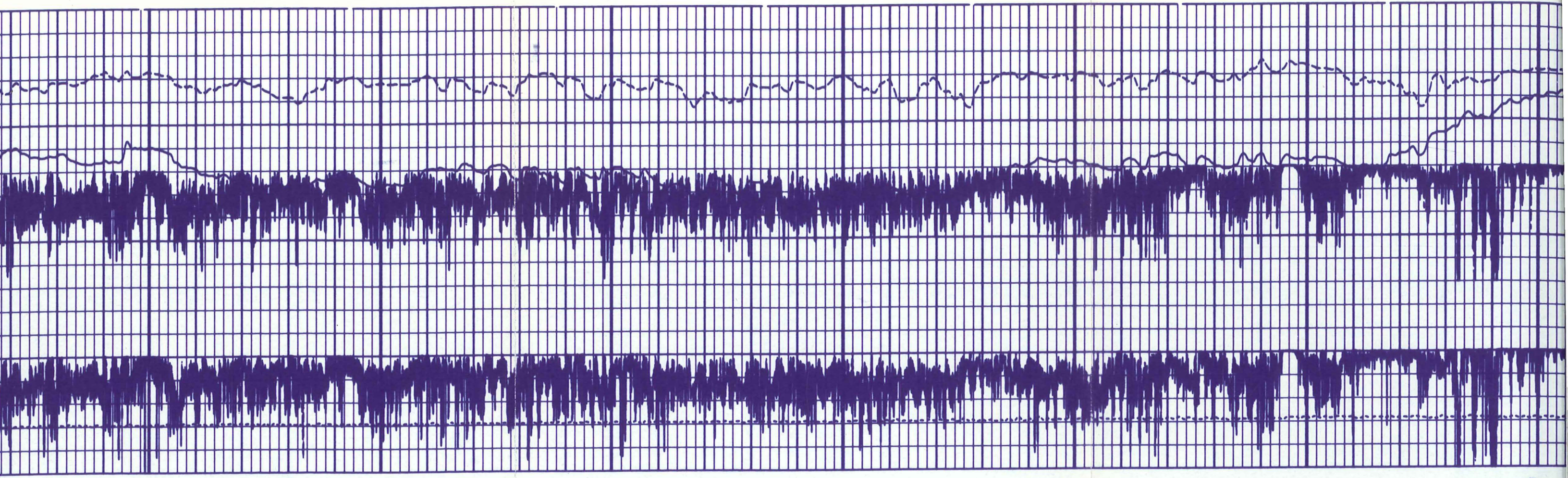
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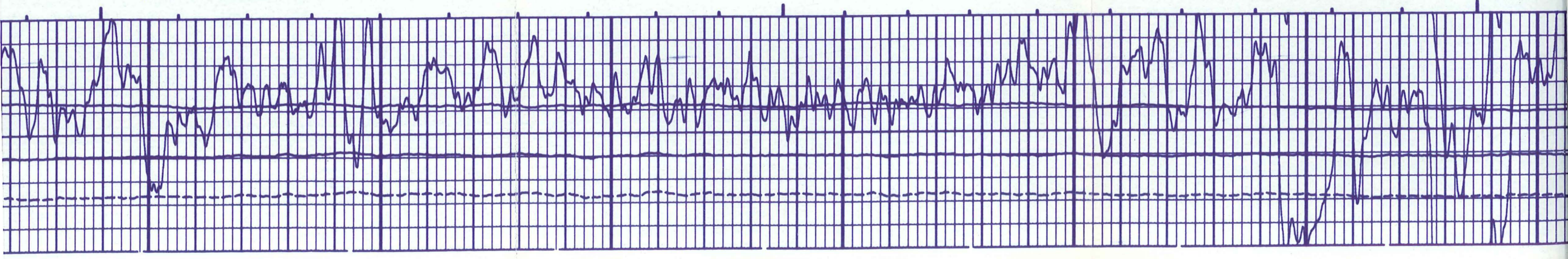


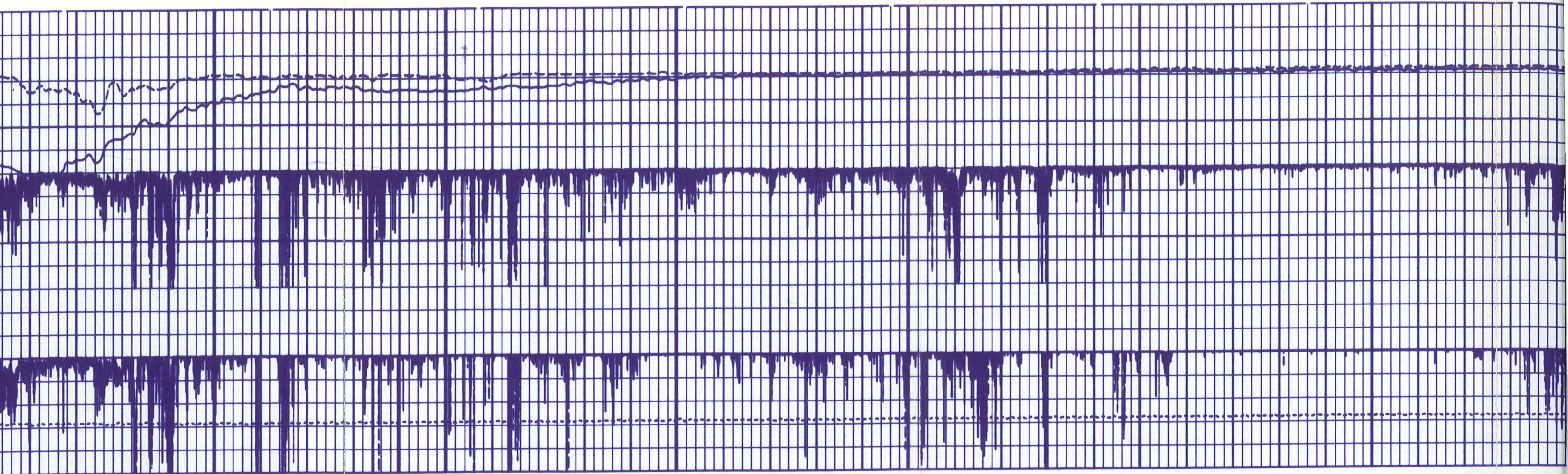
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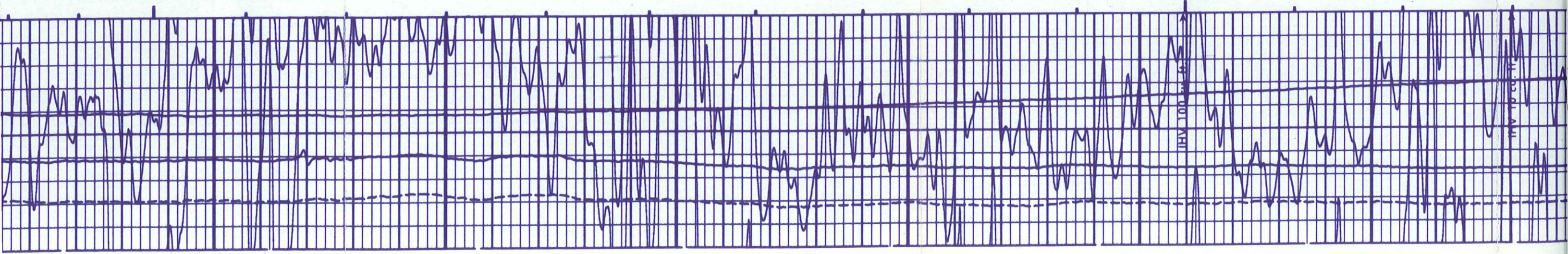




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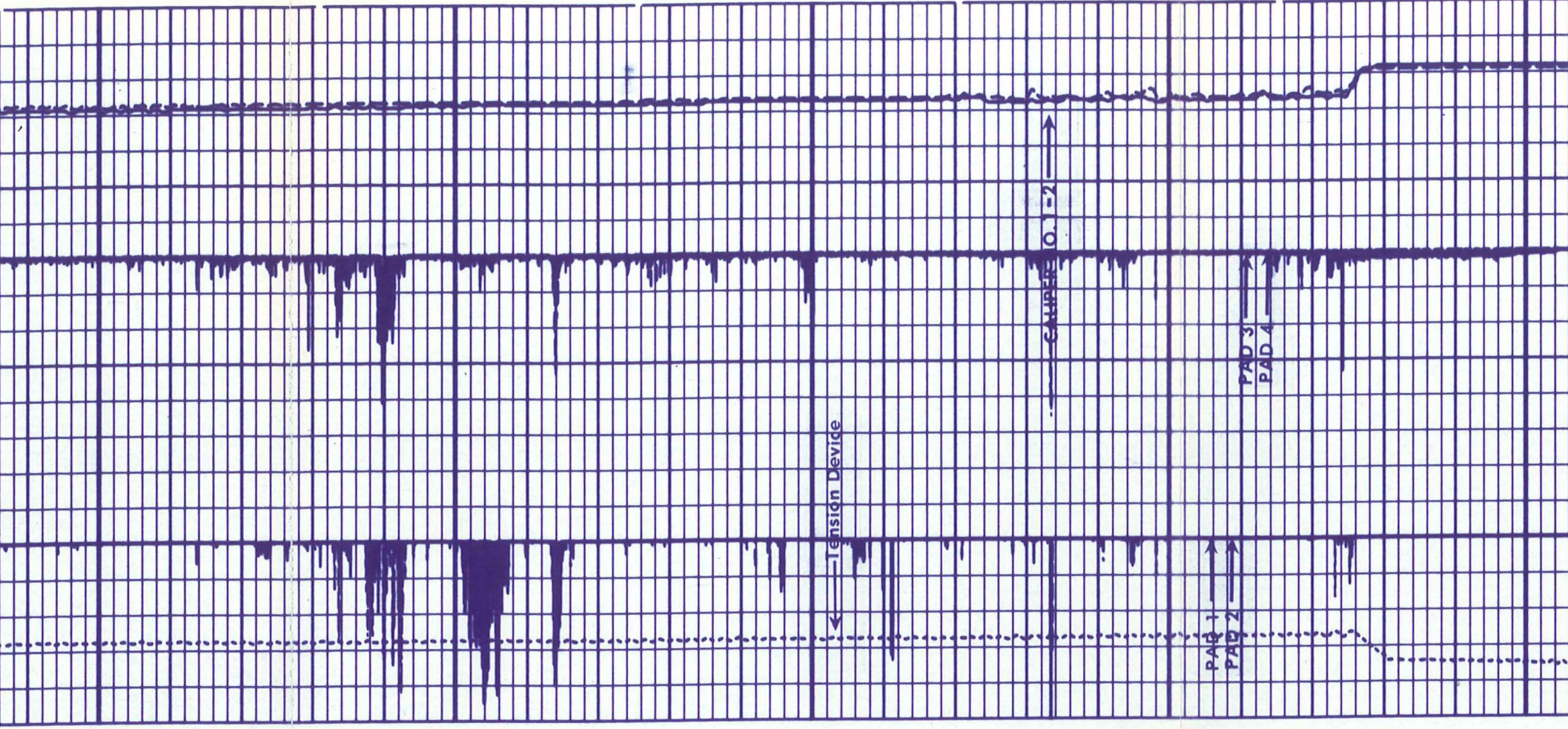
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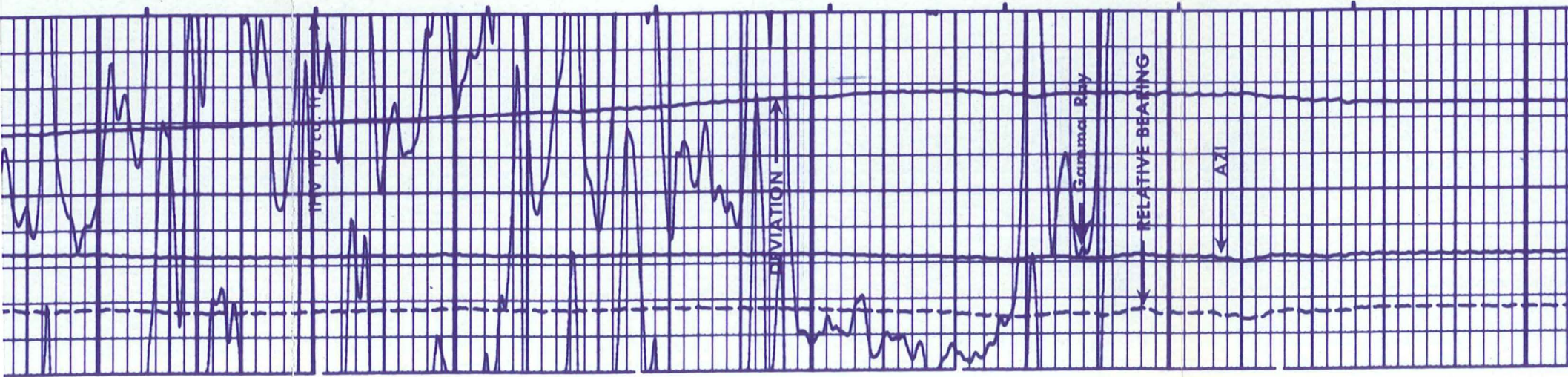
IHM 100 mm/s

IHM 100 mm/s



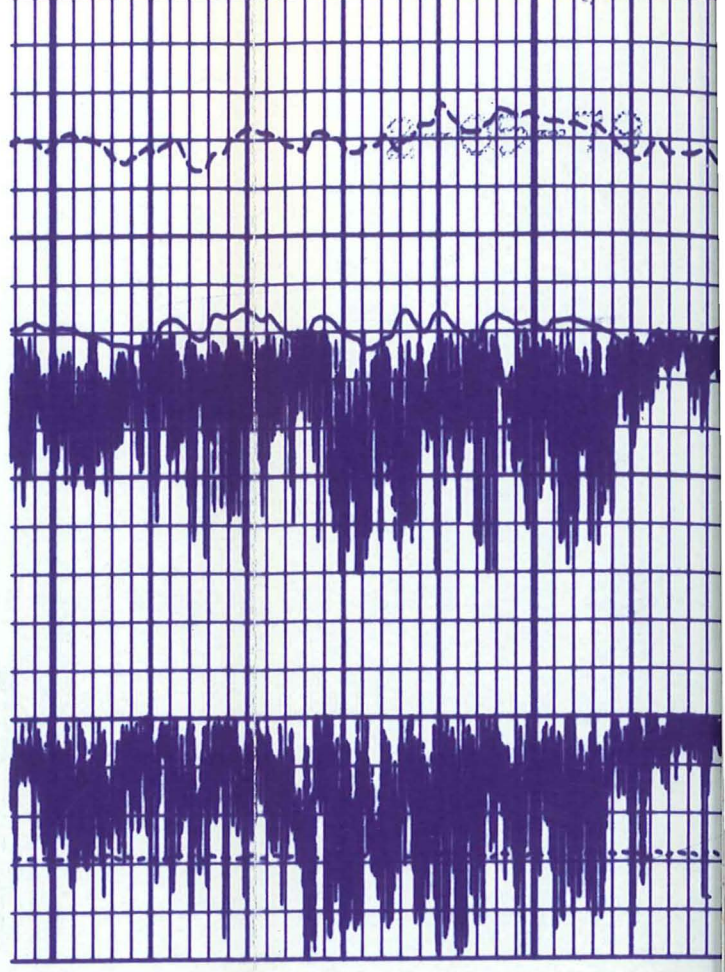
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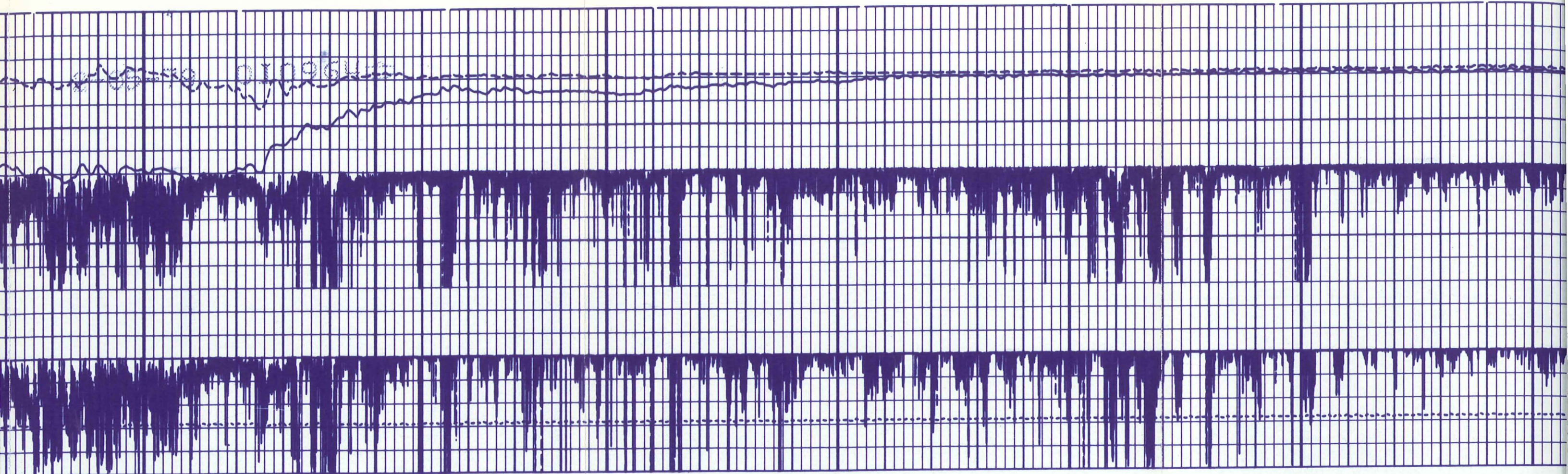
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PASS No. 2



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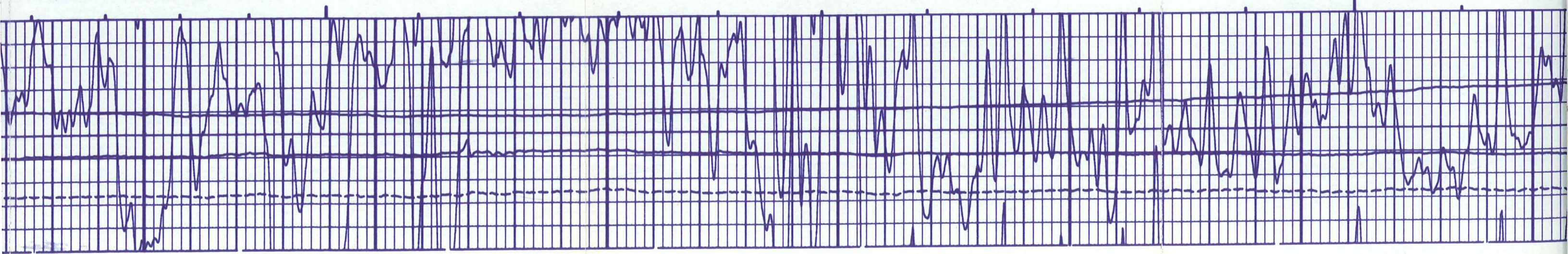


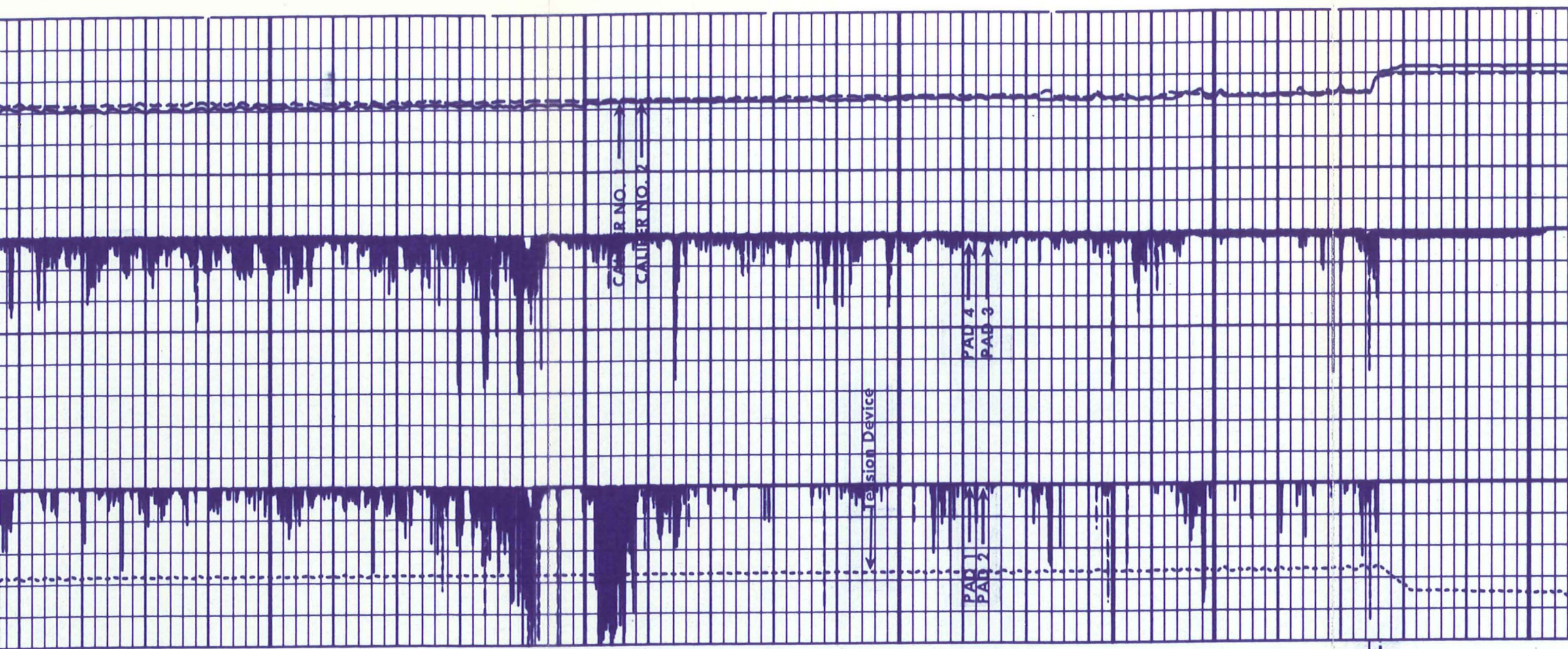


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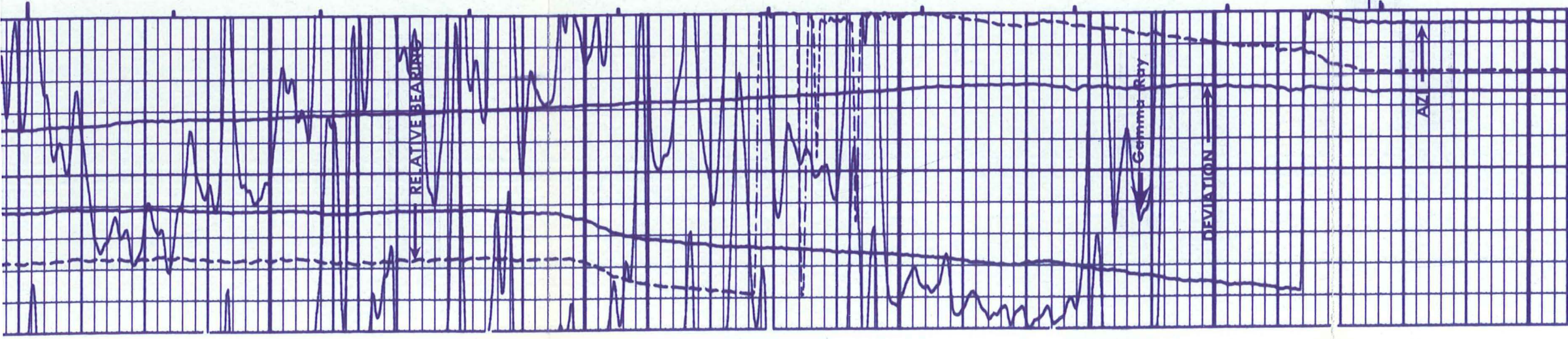




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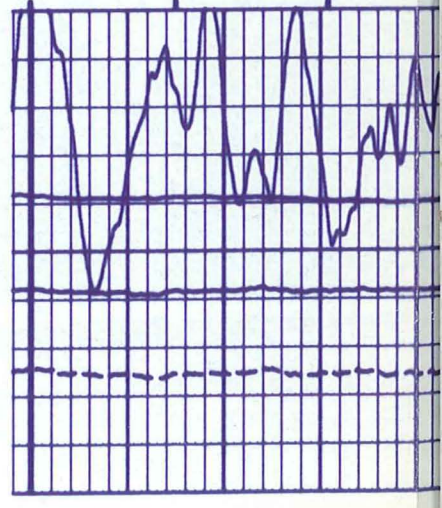
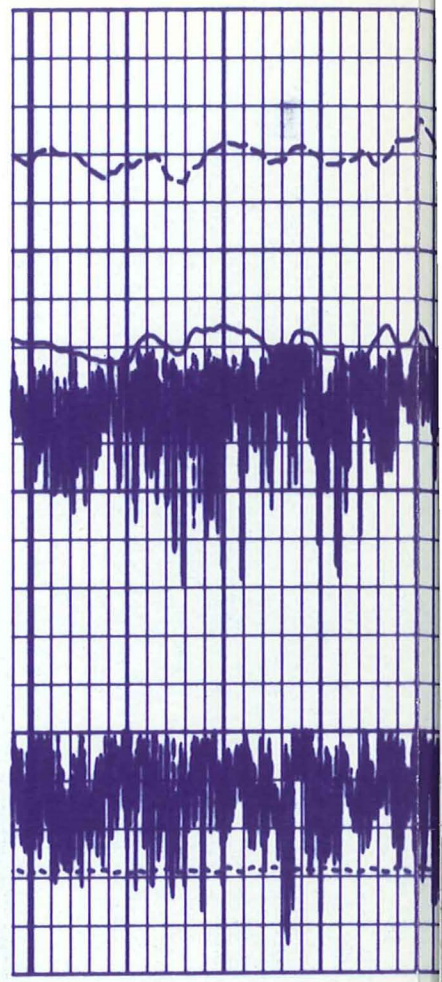
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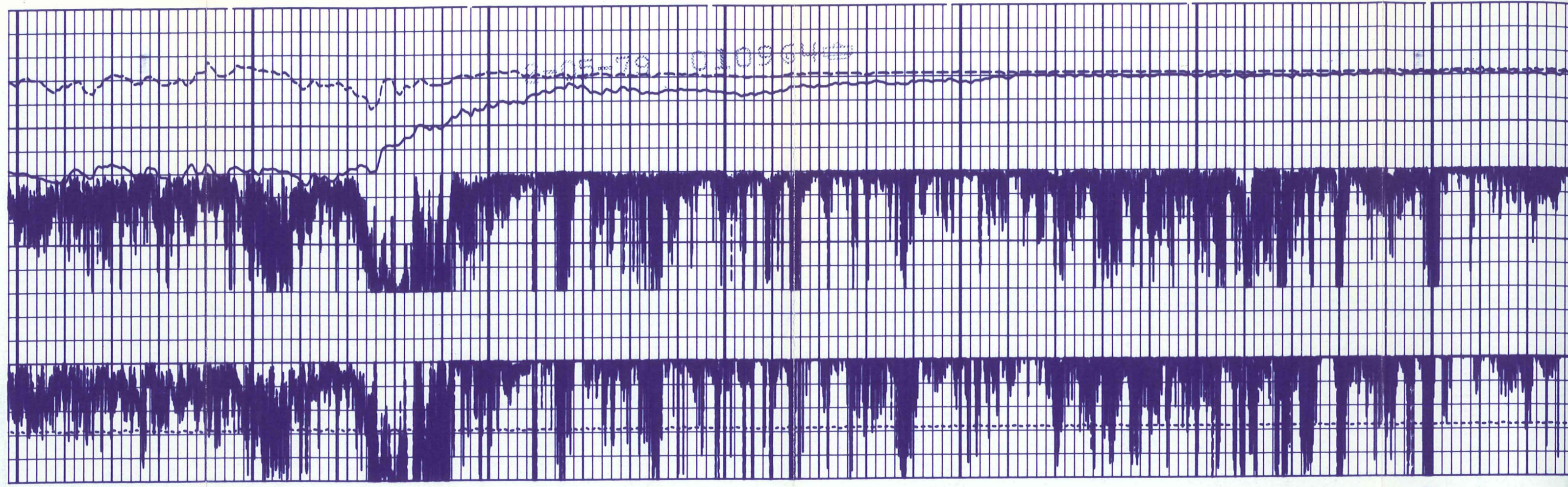
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PASS No. 1

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9 PASS No. 1



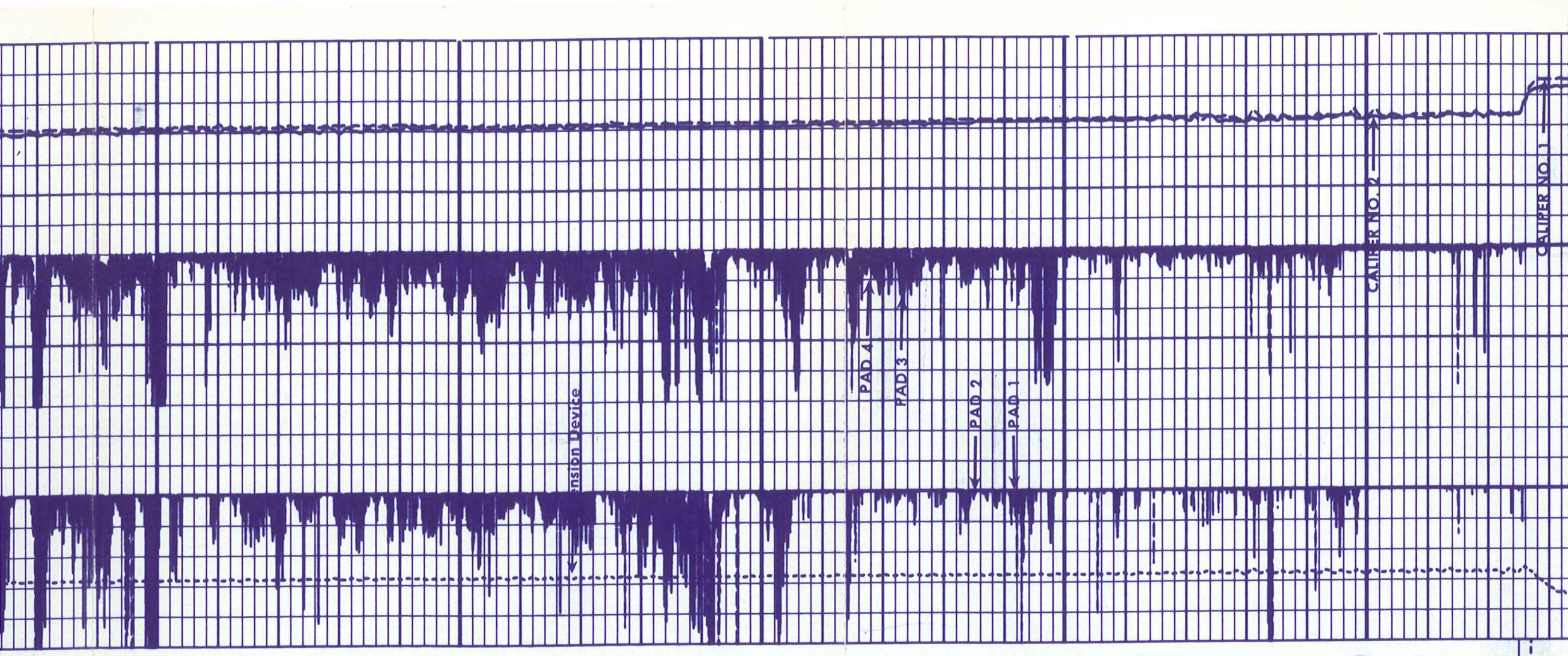
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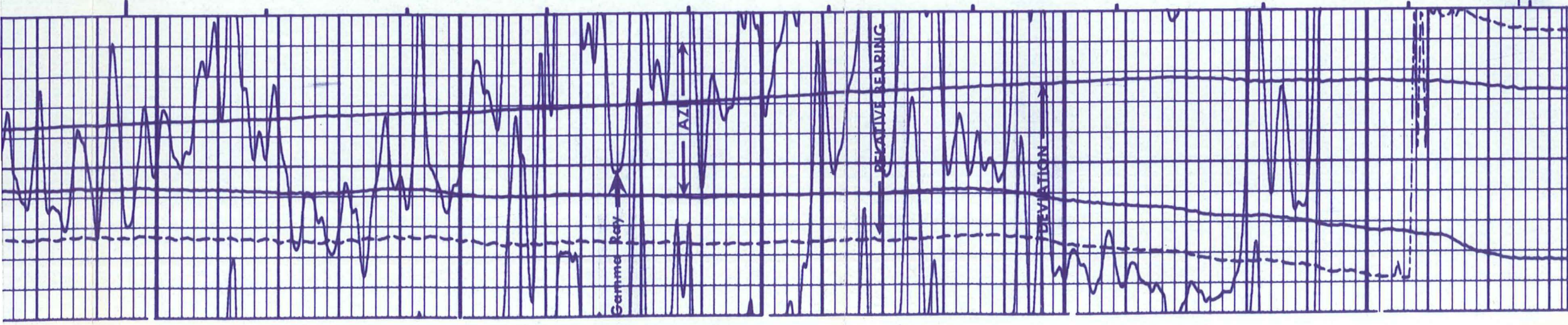
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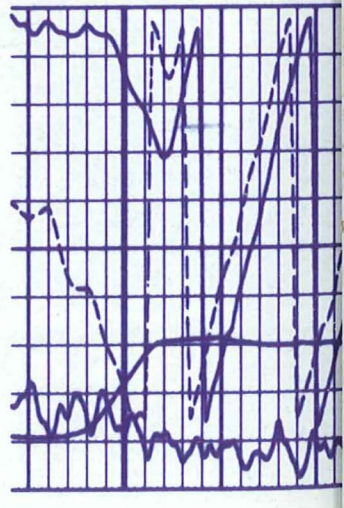
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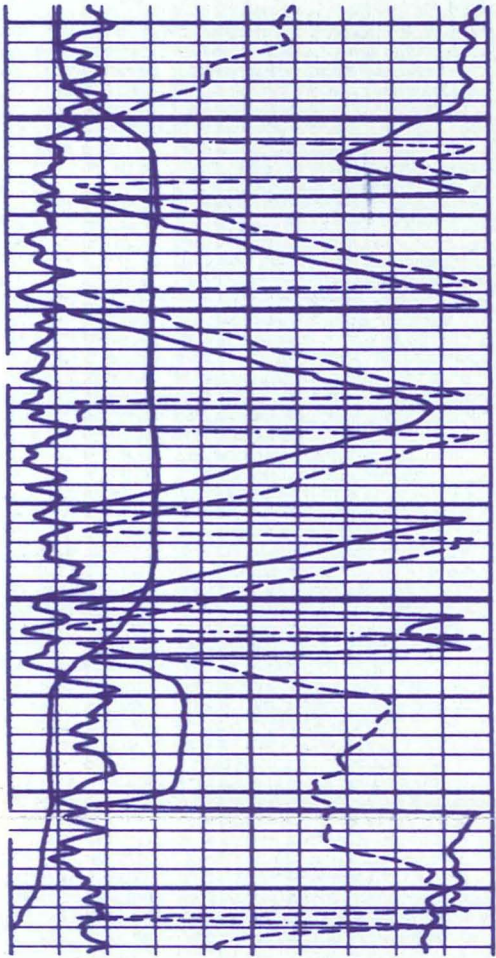
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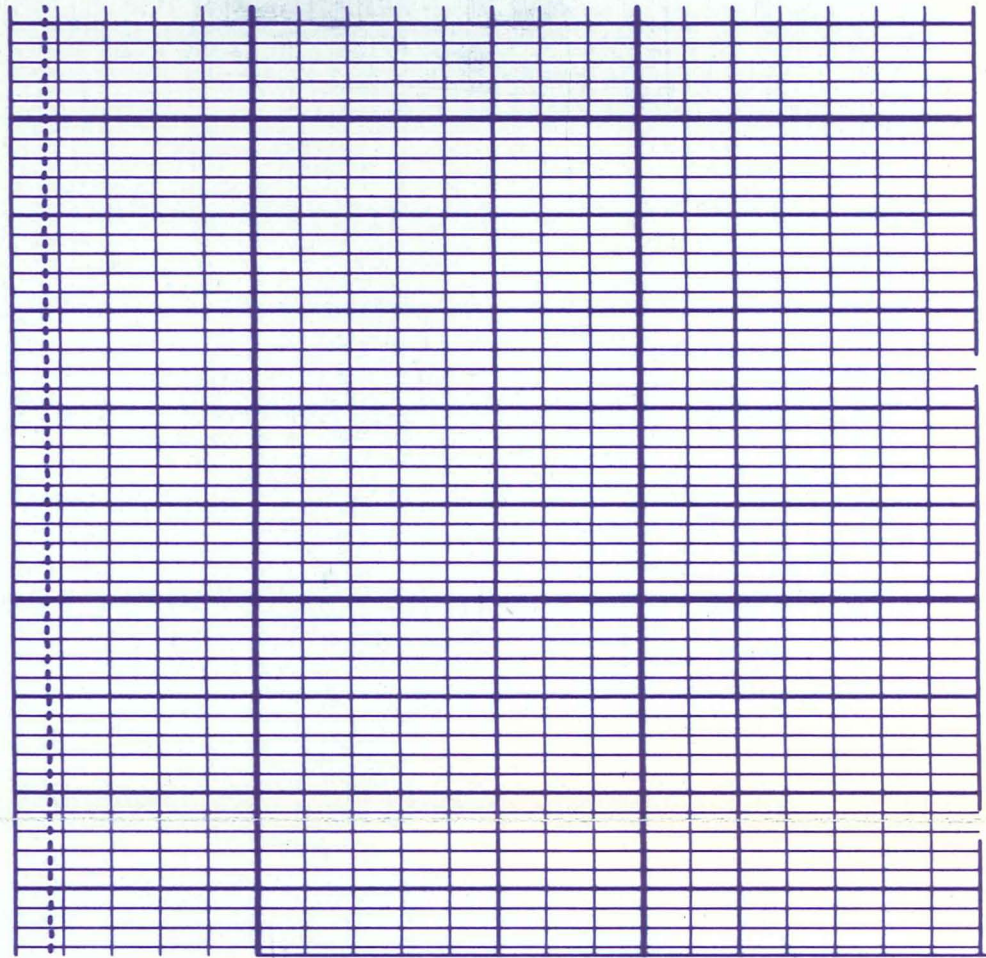


ROTATION CHECK





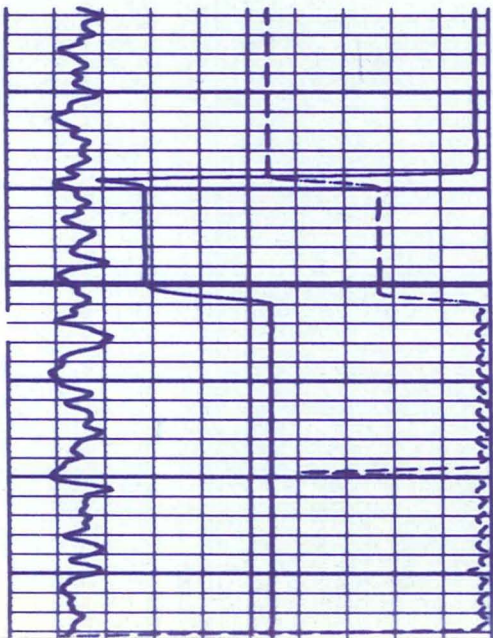
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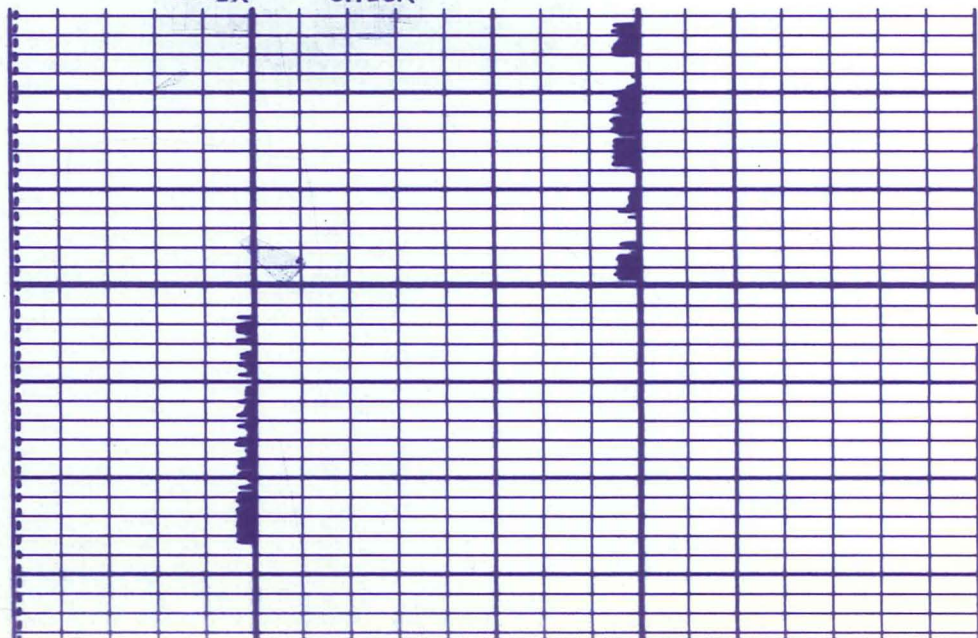
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BEFORE SURVEY CALIBRATION SUMMARY

PERFORMED: 78/11/14
 PROGRAM FILE: HDT (VERSION 10.52 78/ 6/28)

HDT CALIPER CALIBRATION SUMMARY

	MEASURED		CALIBRATED		UNITS
	SMALL	LARGE	SMALL	LARGE	
C1	6.5	17.5	6.0	15.9	IN
C2	17.5	6.4	16.0	6.0	IN

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en96010.62-0-2