263

SCHLUMBERGER

FOUR-ARM
HIGH RESOLUTION
CONTINUOUS DIPMETER

COUNTY
FIELD or LOCATION
WELL
COMPANY

COMPANY Shell Oil Co.
CONFIDENTIAL
WELL Shell-Trambitas 1-28 (strat test 14)
FIELD Ocean City Area
LOCATION 28-19N-12W
COUNTY Grays Harbor
STATE Washington

OTHER SERVICES

LOCATION OF WELL
NE/4, SE/4

ELEVATION: KB 24
DF
GL 12

ROLL NO.

RUN No.	1	Mud Nature	Fresh Lignosulfate
Date	5- -70	Mud Density	10.4
Depth Datum	KB	Mud Viscosity	55
First Reading	3119	Mud Resist.	4.11 @ 63 °F.
Last Reading	1035	Mud Res. BHT	@ 108 °F.
Feet Measured	2084	Mud pH	10.0 @ 63 °F.
Csg. Schlum.	1035	Mud Wtr. Loss	7.4 CC 30 min.
Csg. Driller	1035	Log Speed	50 FPM
Depth Reached	3120	Bit Size	8 3/4
Bottom Driller	3111	Mag. Declin.	
Truck No. / Cable Length	3716 / 17000	HDM / HDS	725E / E734
		HDE / DPI-D	C715 / 47
Recorded By	Andersen	HDP / DDR	C719 / C713
Witness	Dyer	Opr. Rig Time	2

SWS—1500-A

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

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

REMARKS

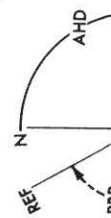
ROLL NO.	INTERVAL
1	1700 - 3120
2	1035 - 2100

TOOL AZIMUTH AND HOLE DIRECTION CALCULATION

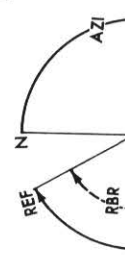
DEFINITIONS

(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.

HDM-C ☐



HDM-D ☒



EXAMPLE

HDM-D — Low Angle Unit (0-36°)

AZI (solid curve) = 330°

RBR (dotted curve) = 230°

AHD = AZI − RBR = 330° − 230° = 100°

EXAMPLE

HDM-C — High Angle Unit (0-72°)

AHD (solid curve) = 100°

RBR (dotted curve) = 230°

AZI = AHD + RBR = 100° + 230° = 330°

ORIENTATION

DEPTHS

CORRELATION CURVES

← CONDUCTIVITY

AZIMUTH

AZI FROM HDM-D

AHD FROM HDM-C

0° 120° 240° 360°

RELATIVE BEARING

0° 120° 240° 360°

DEVIATION

0° 9 °

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.

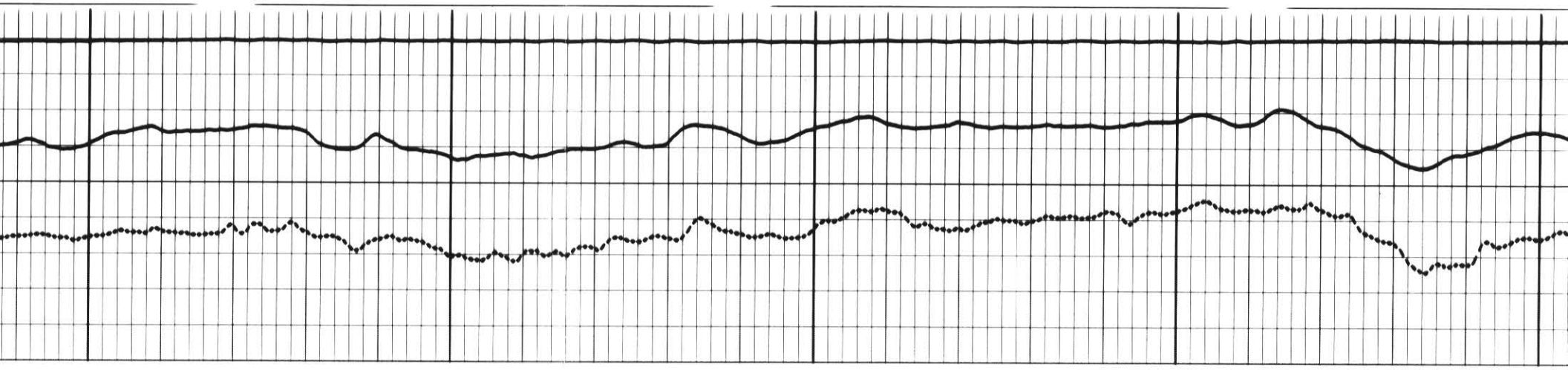
4 ARM CALIPER

1 - 3 CALIPER

2 - 4 CALIPER

18″ 16″ 14″ 12″ 10″ 8″ 6″

1000



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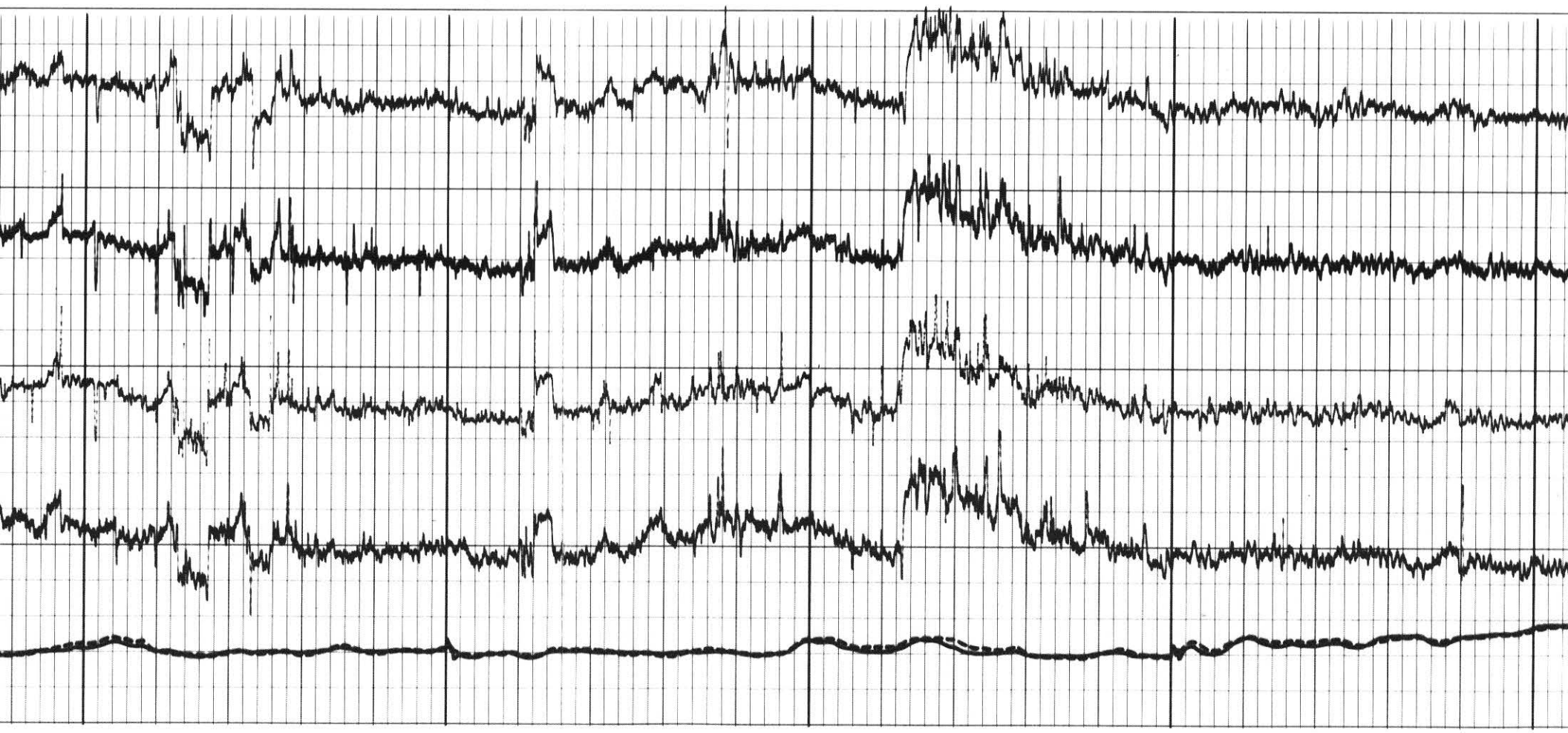

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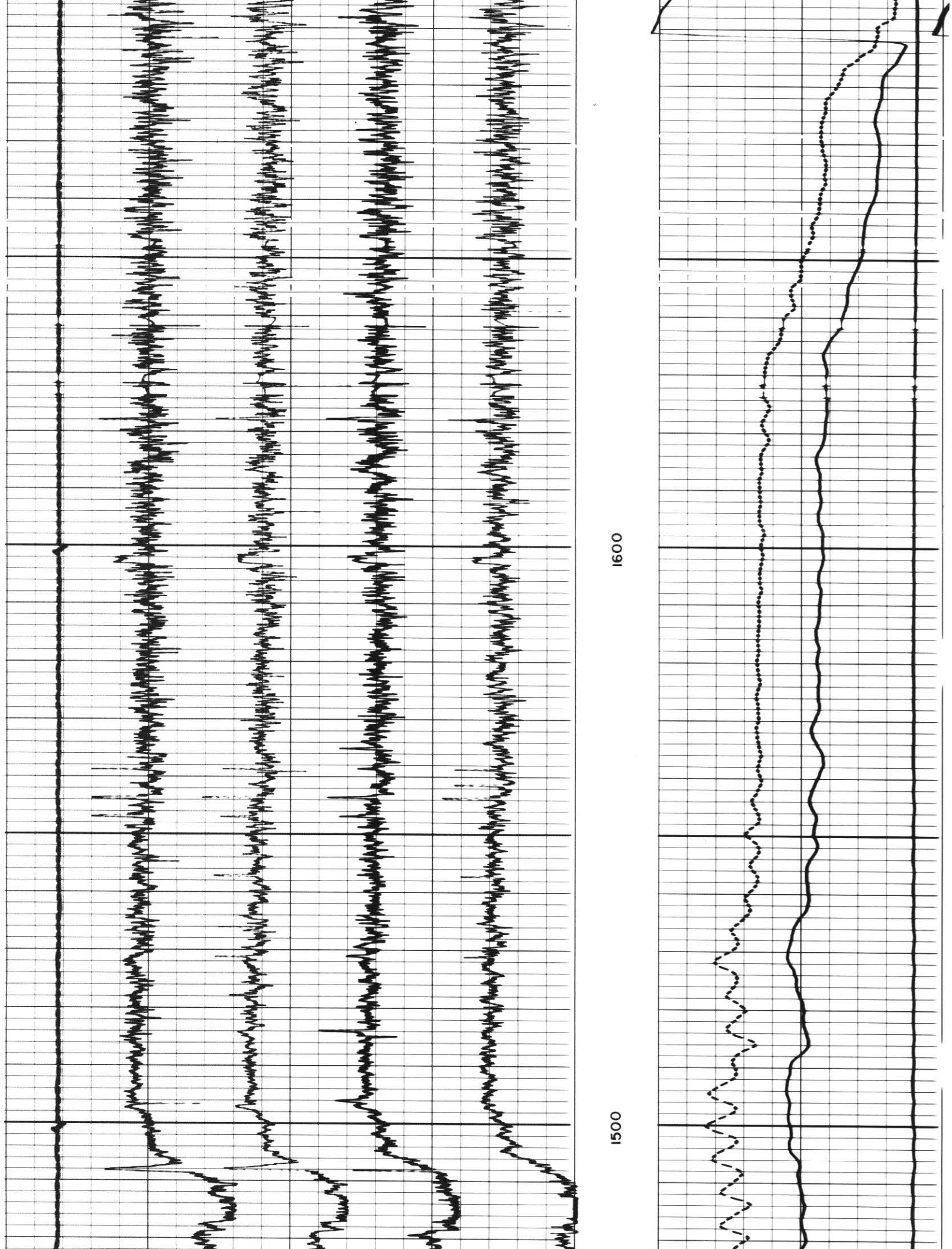
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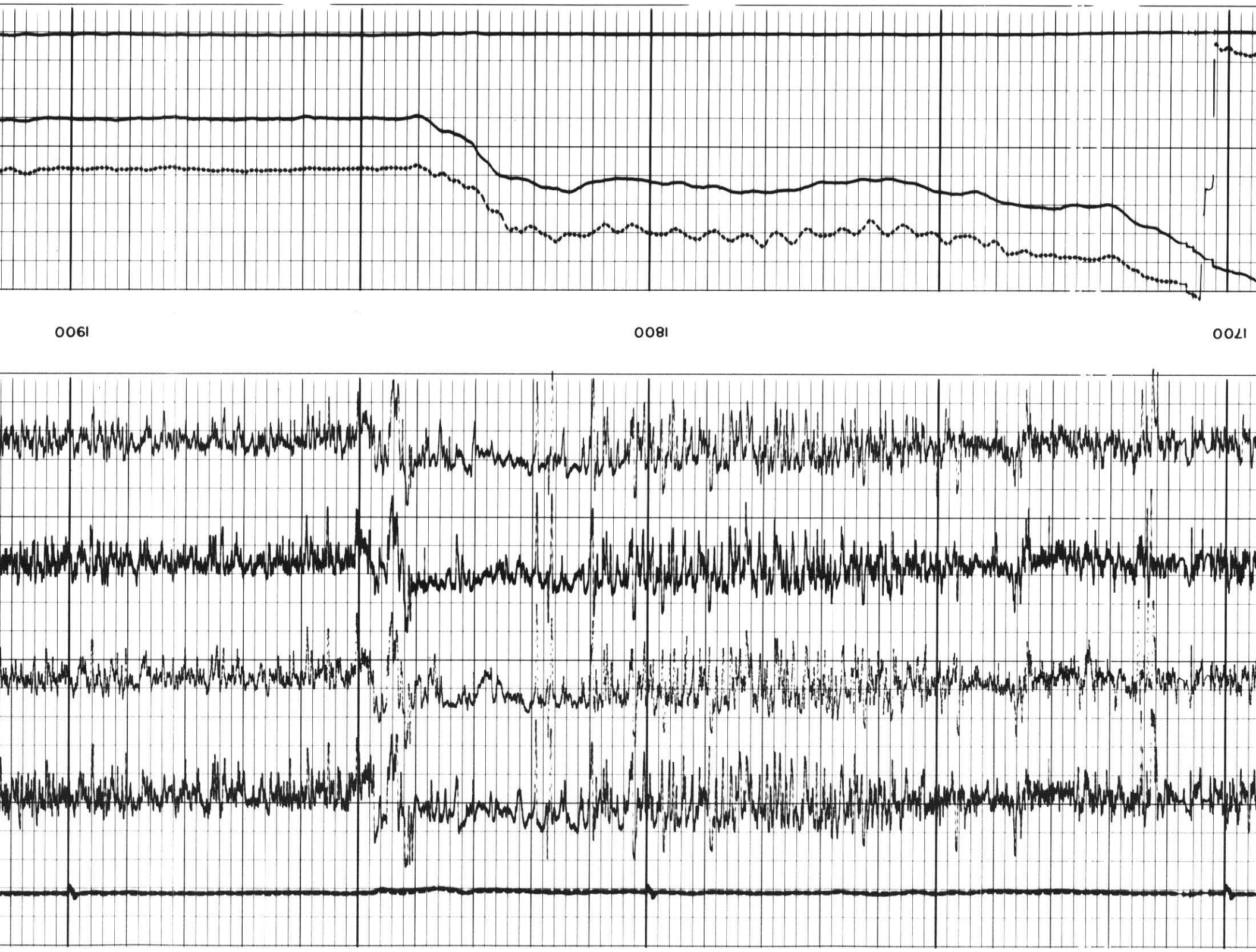
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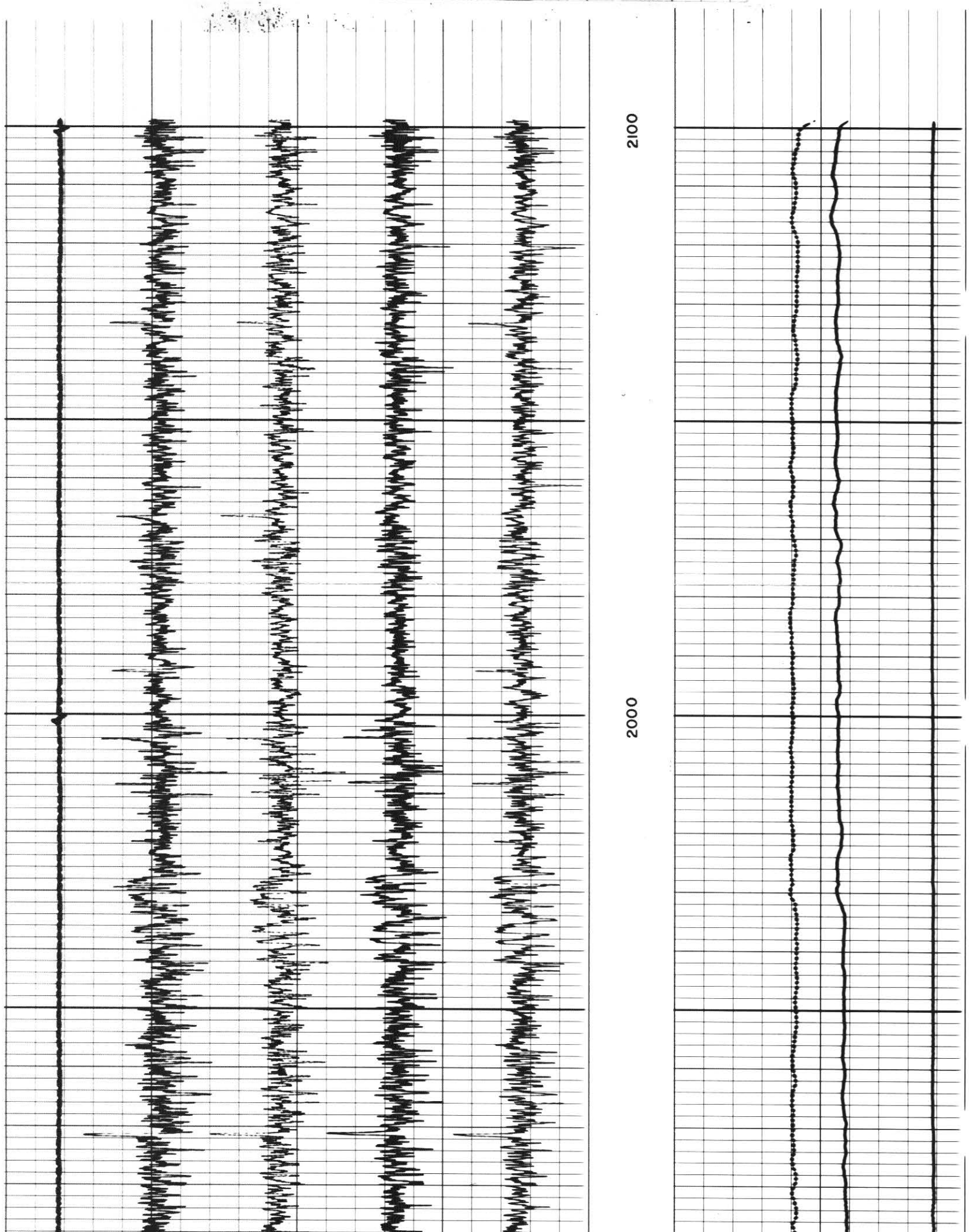
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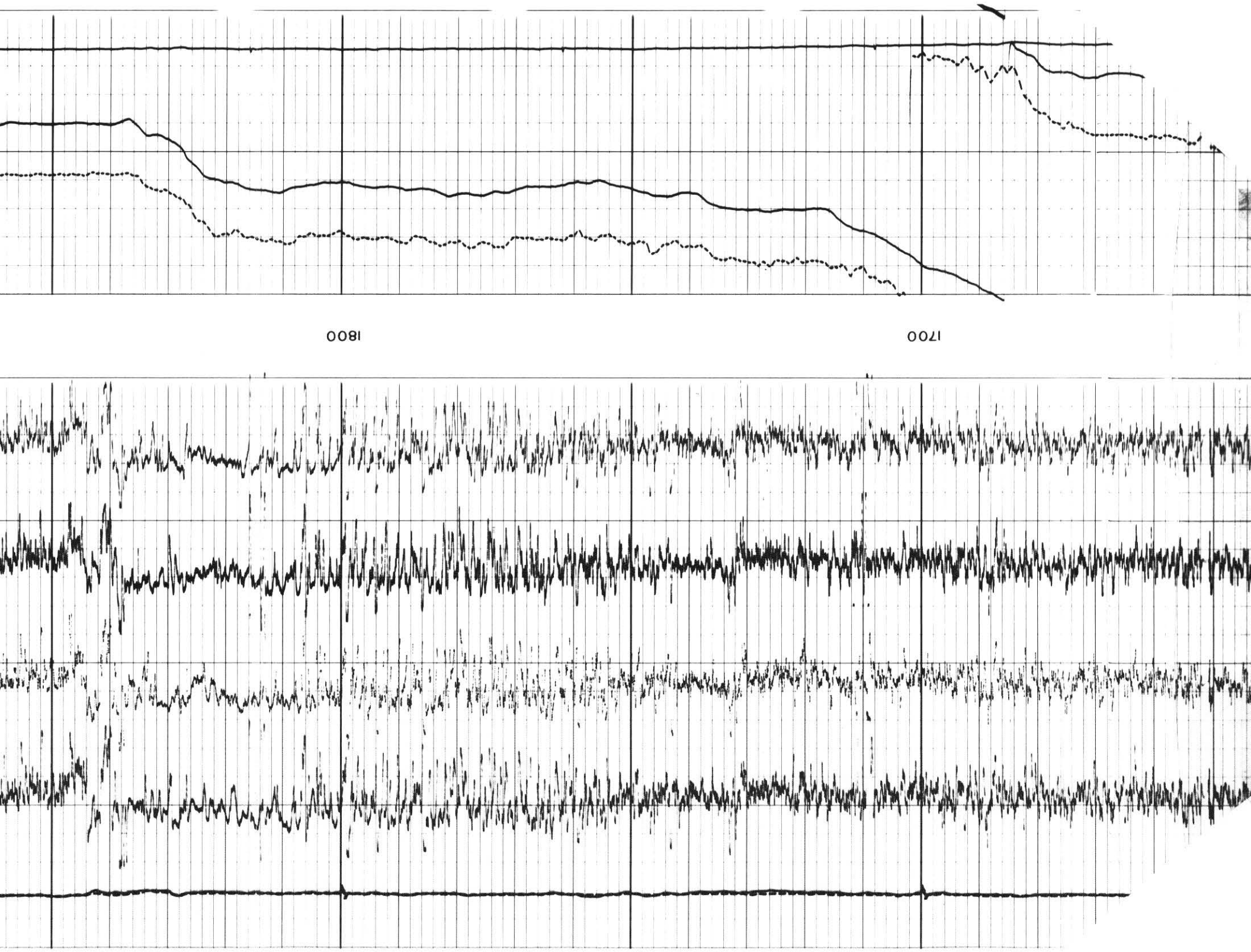
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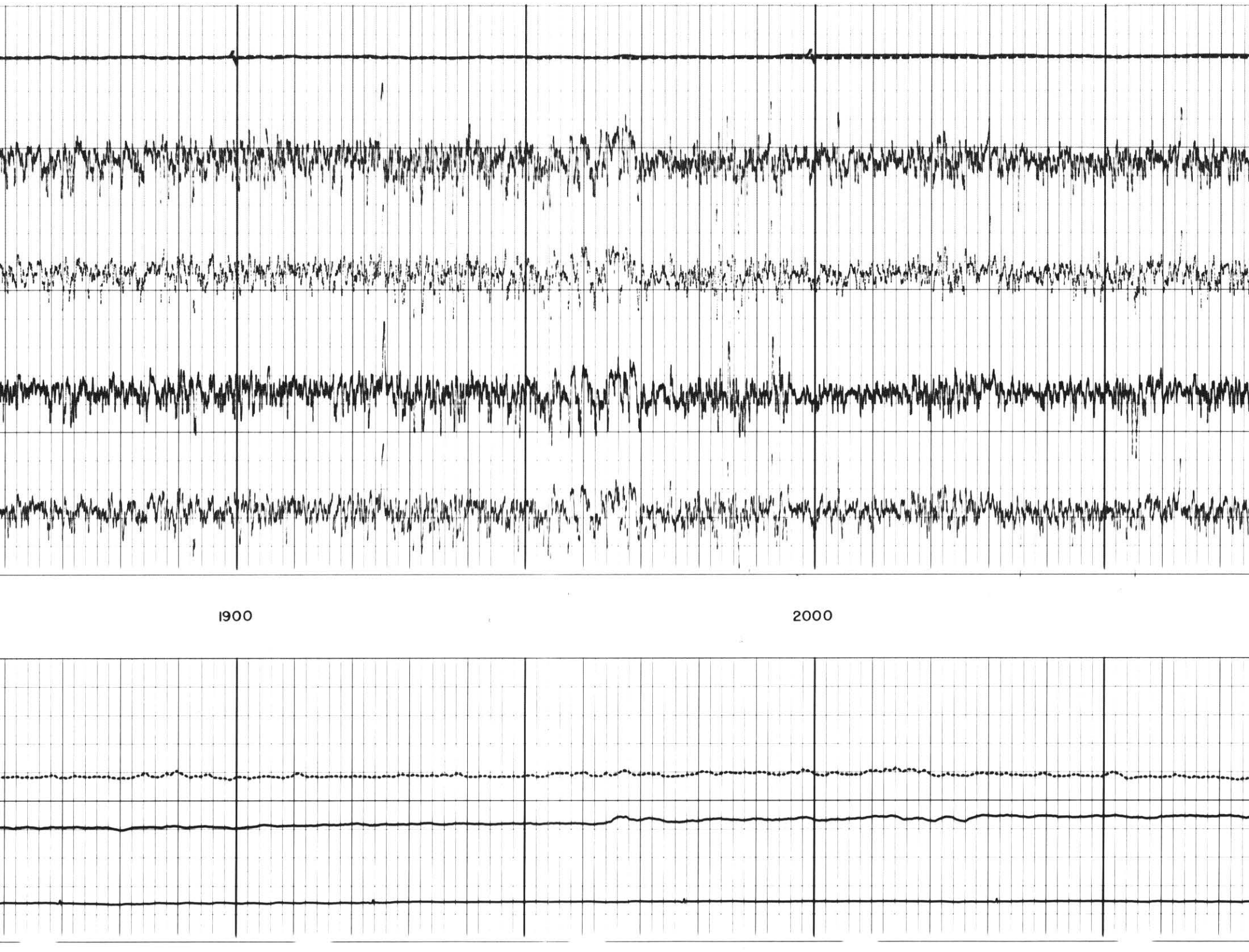
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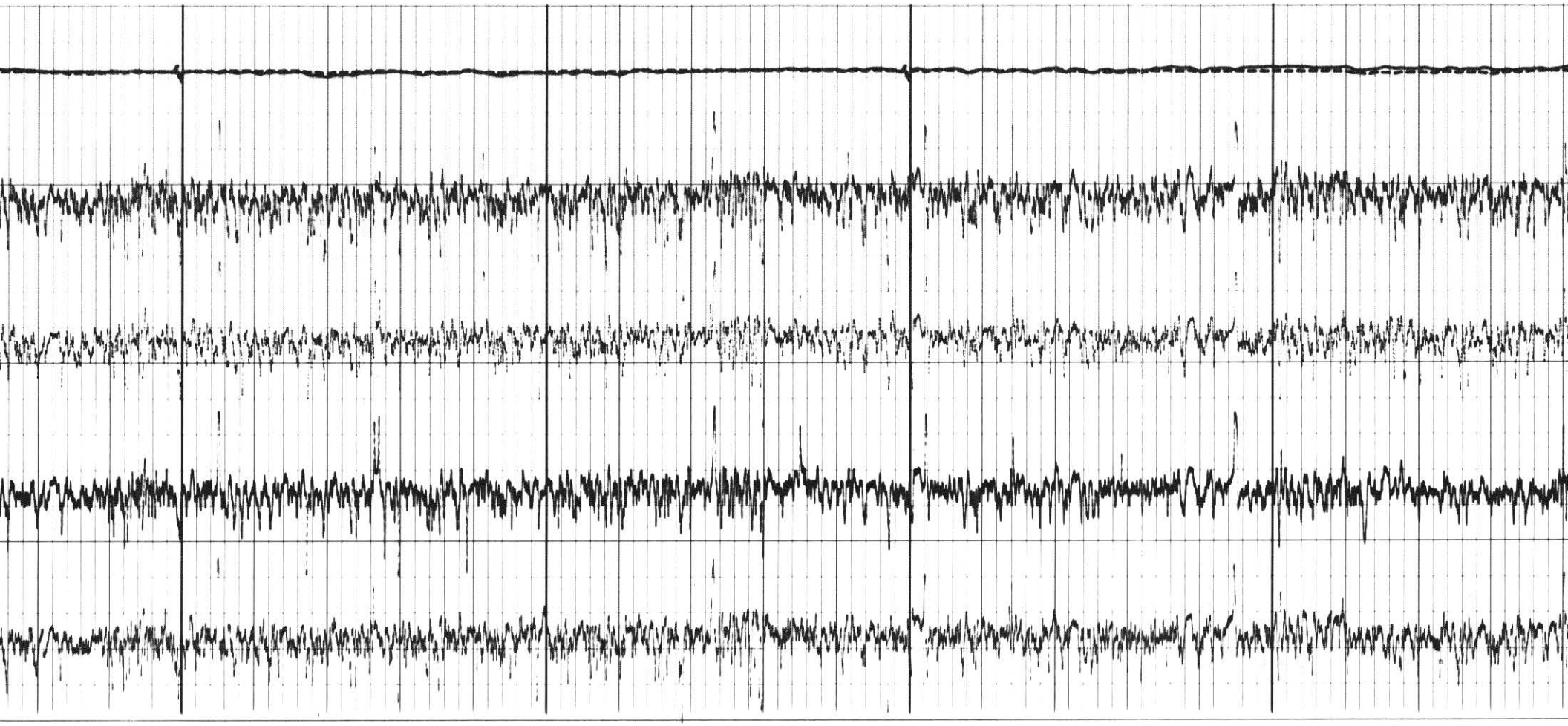

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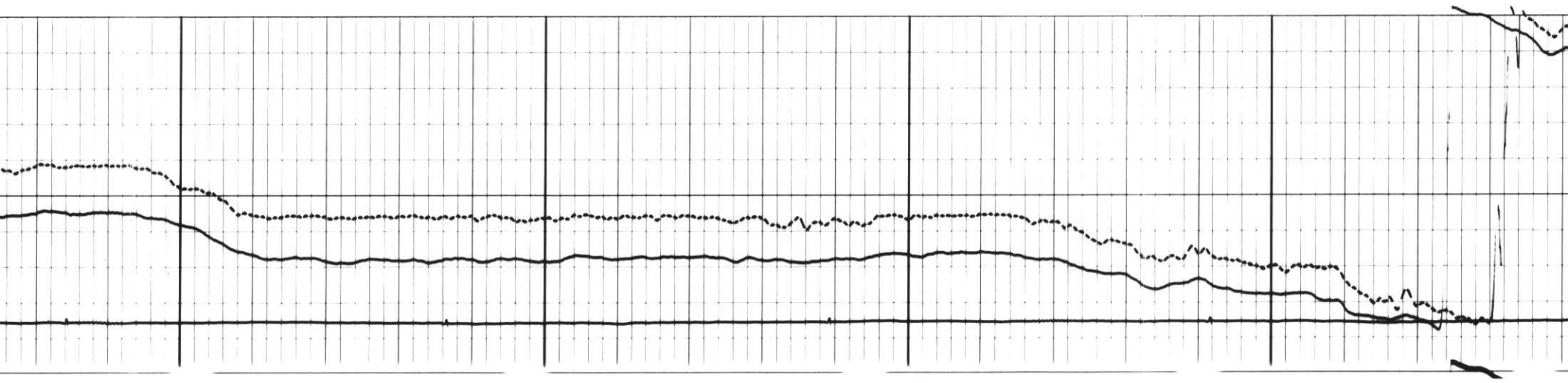

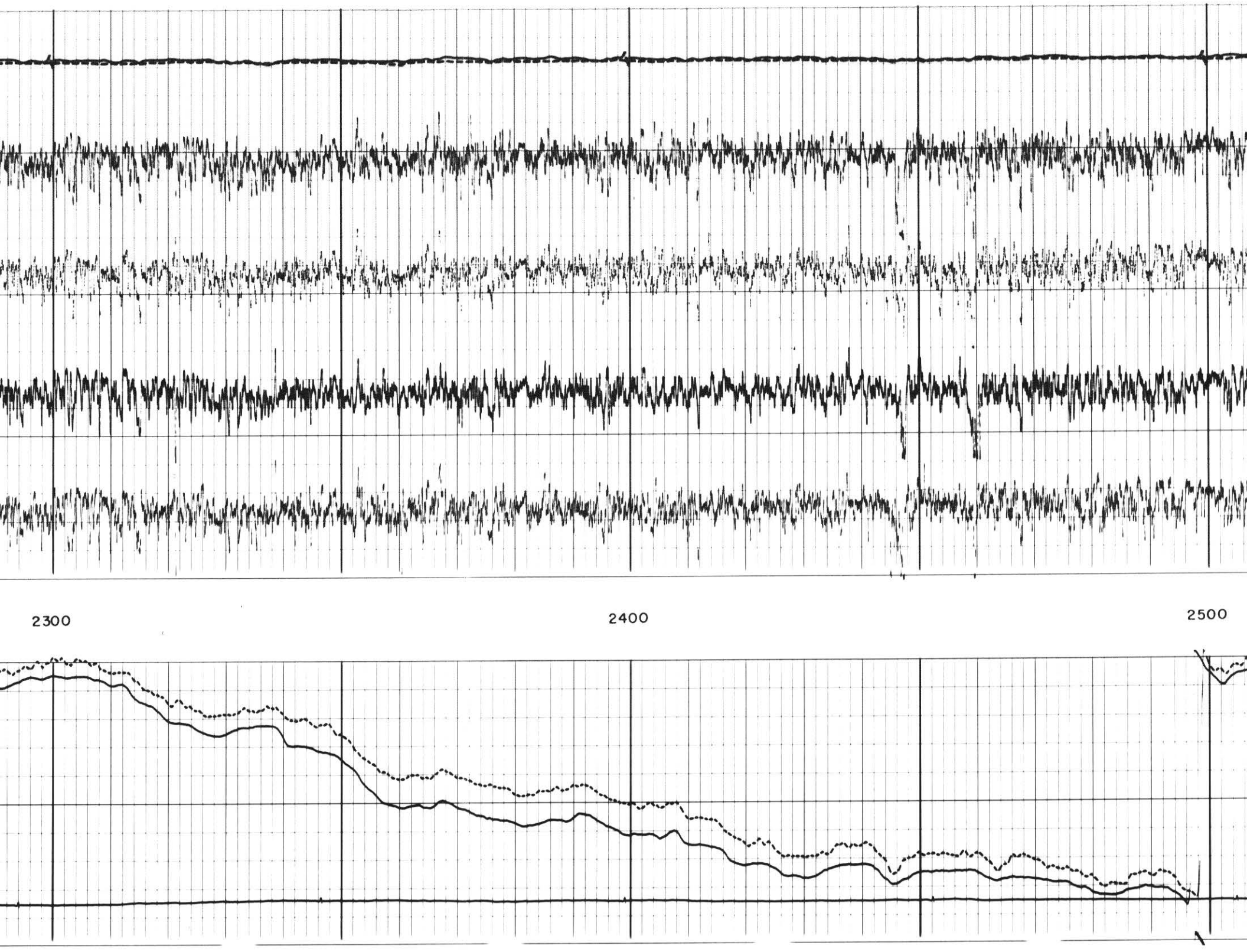
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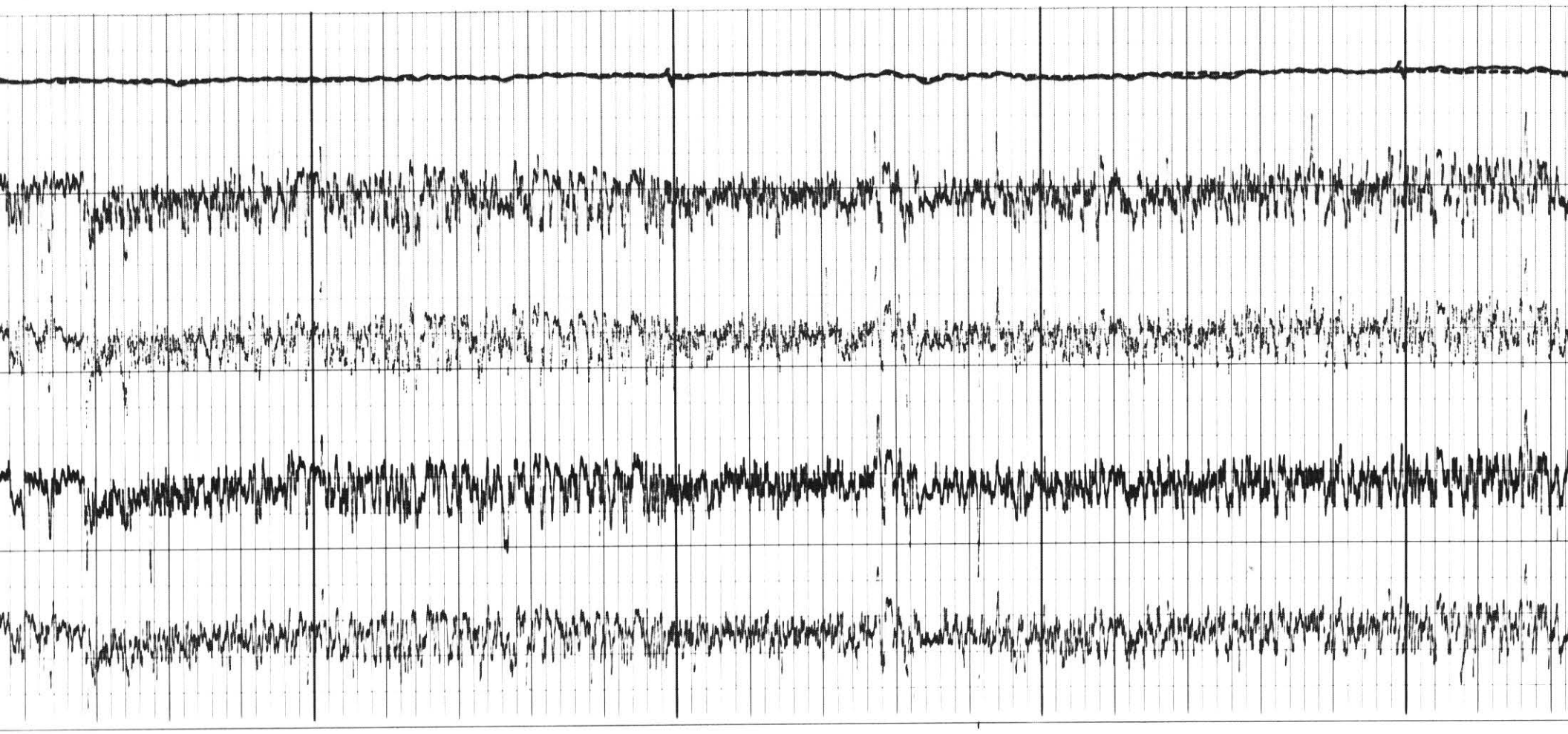

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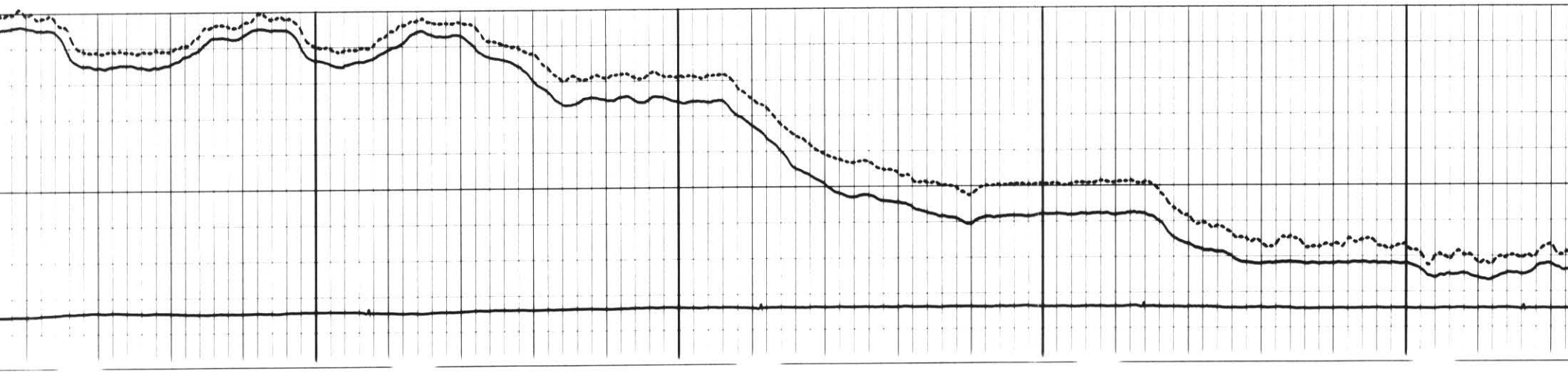

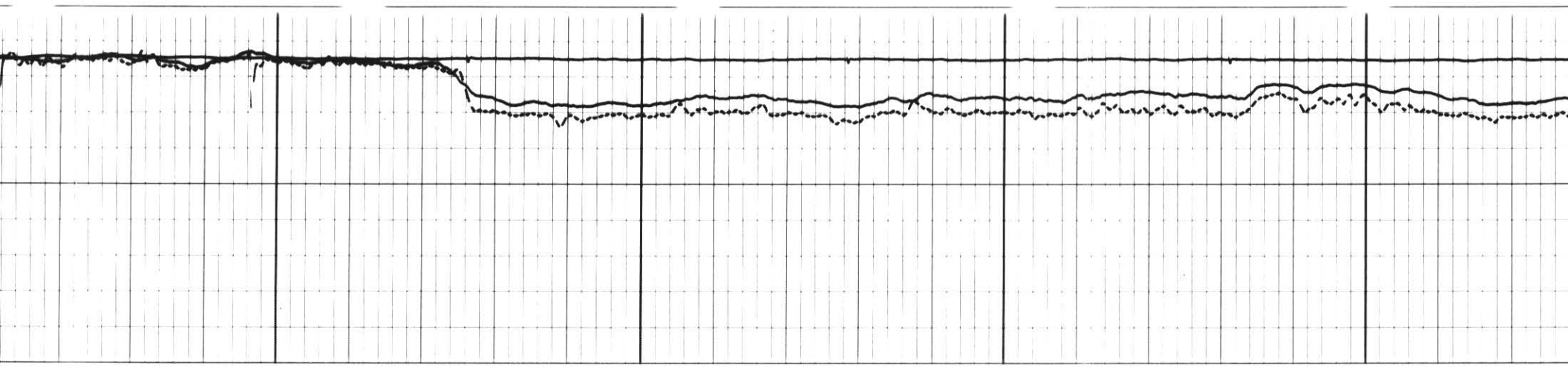

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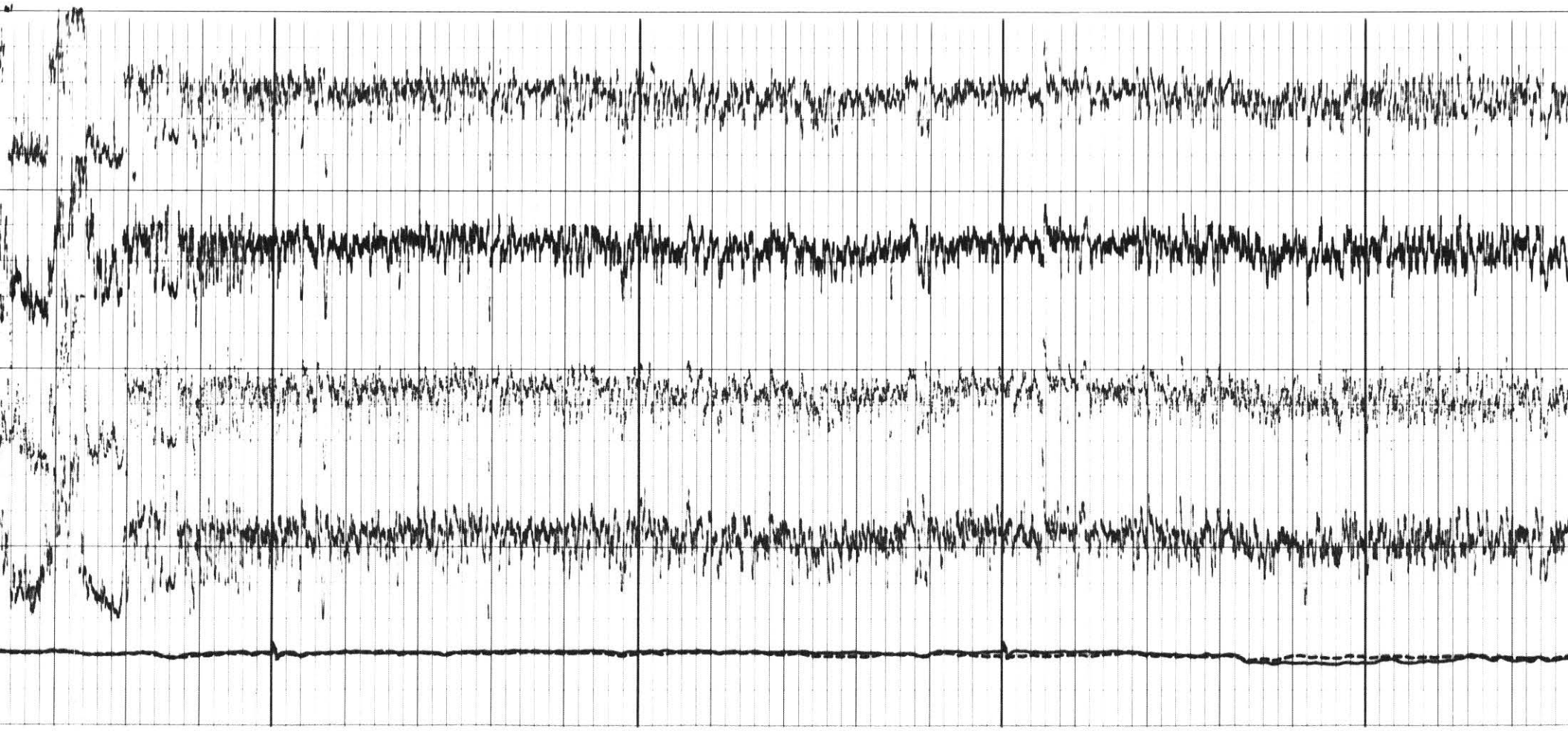

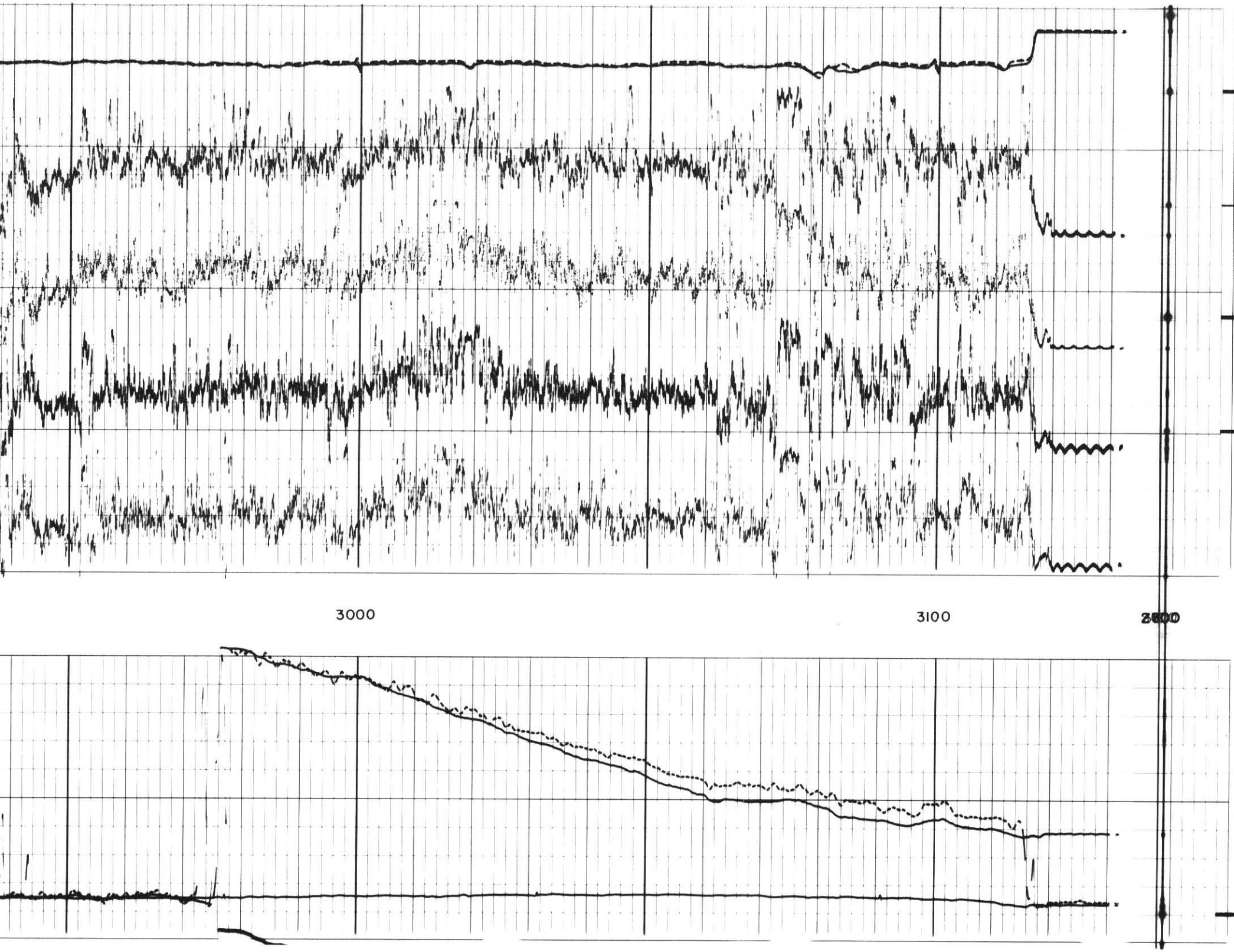
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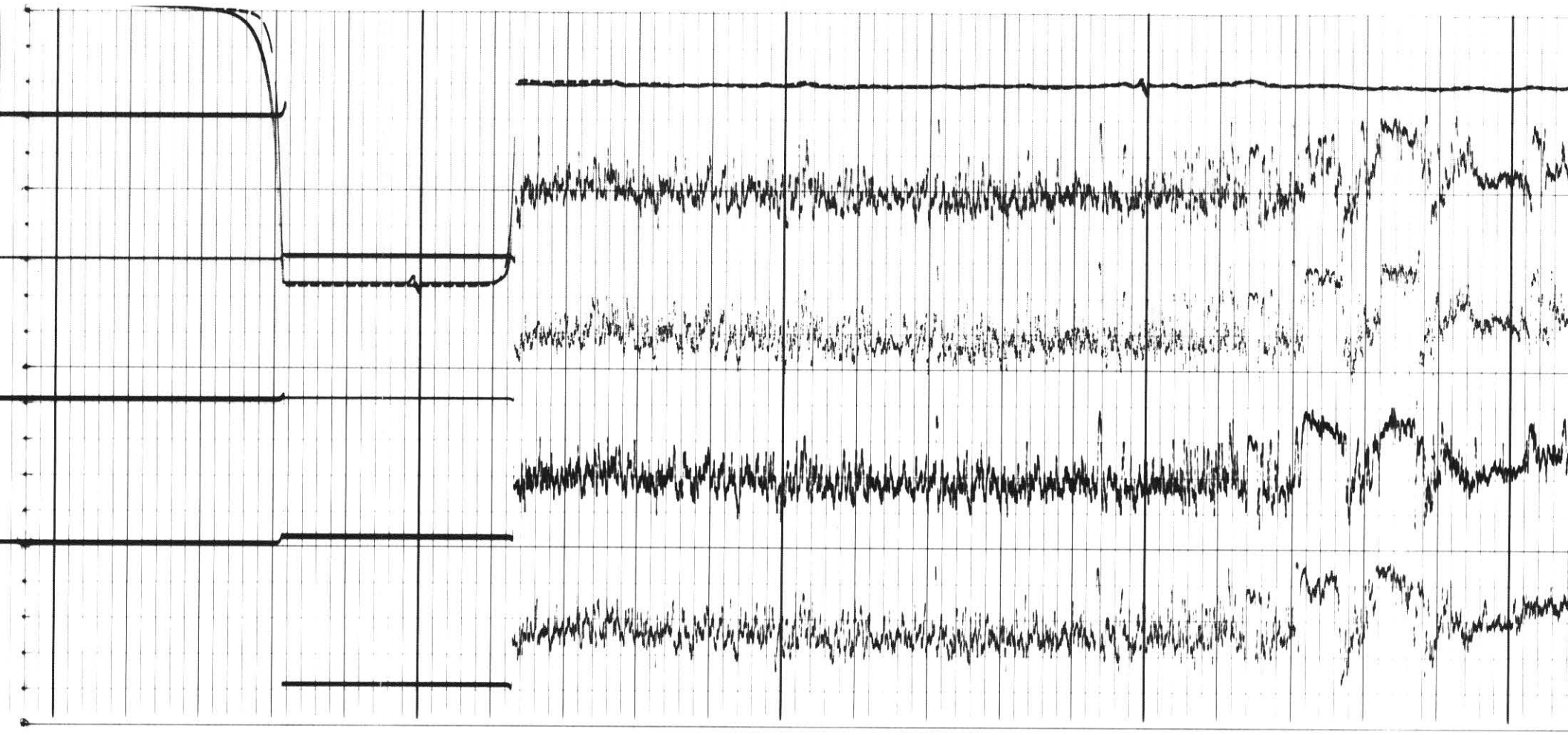

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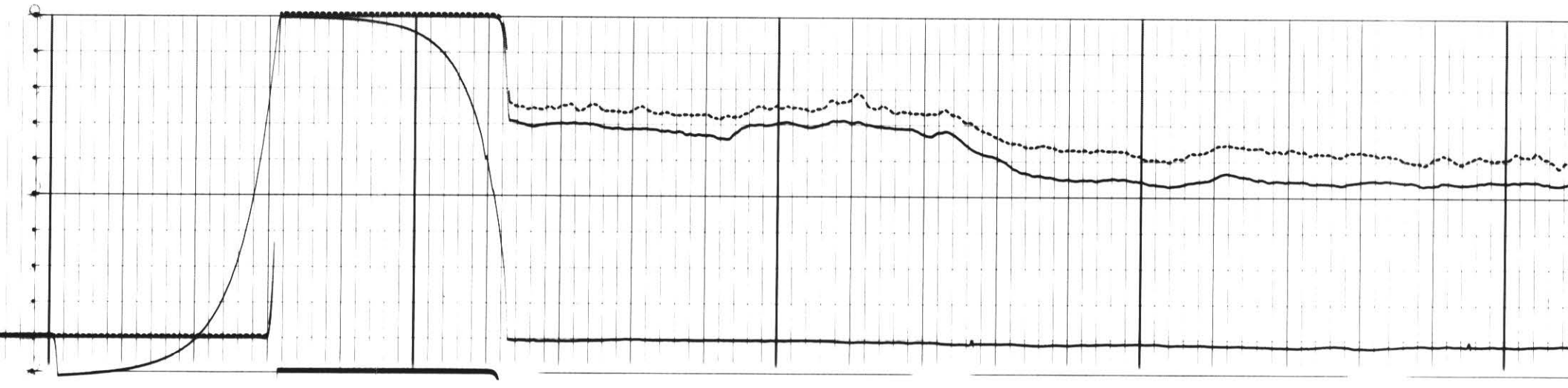

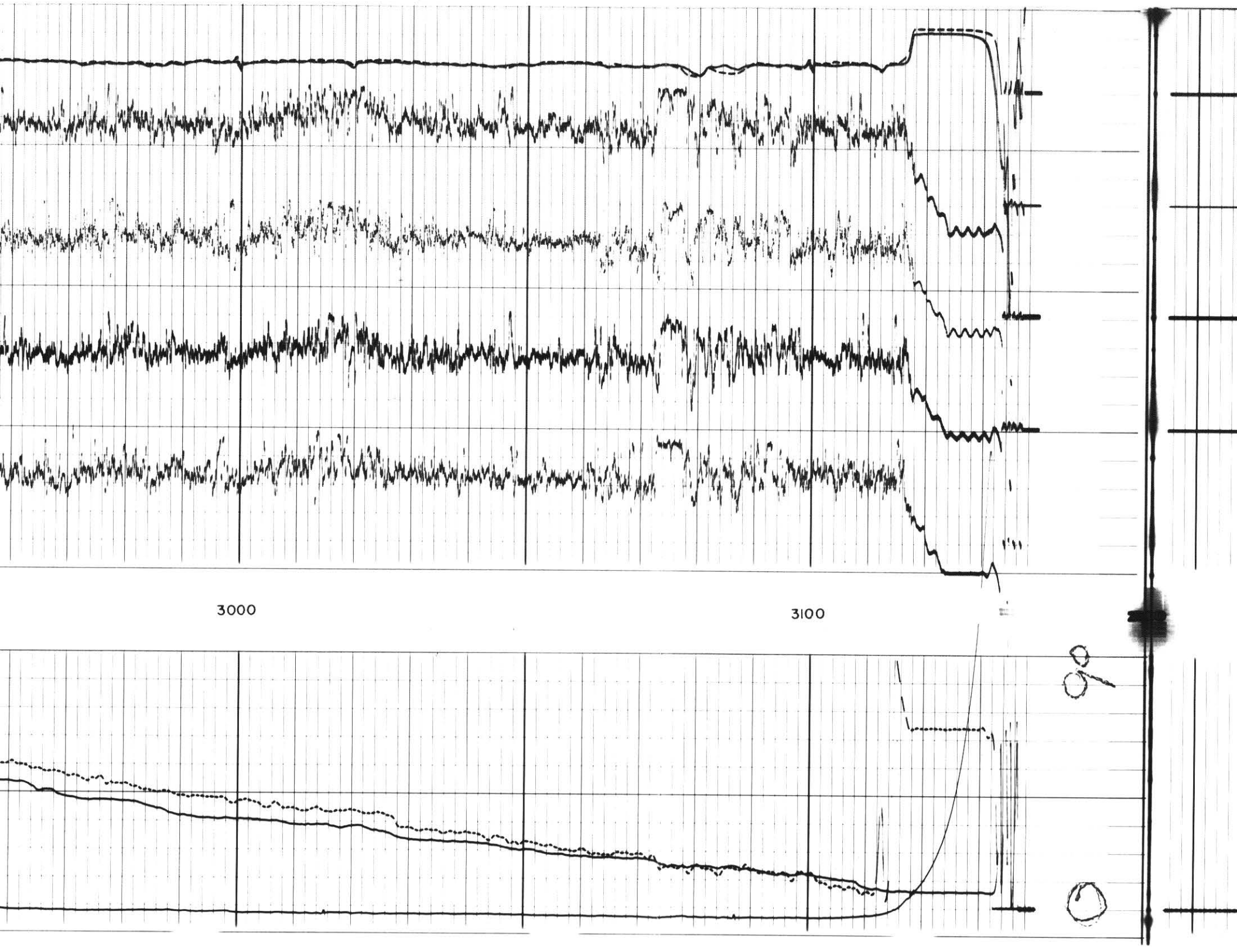
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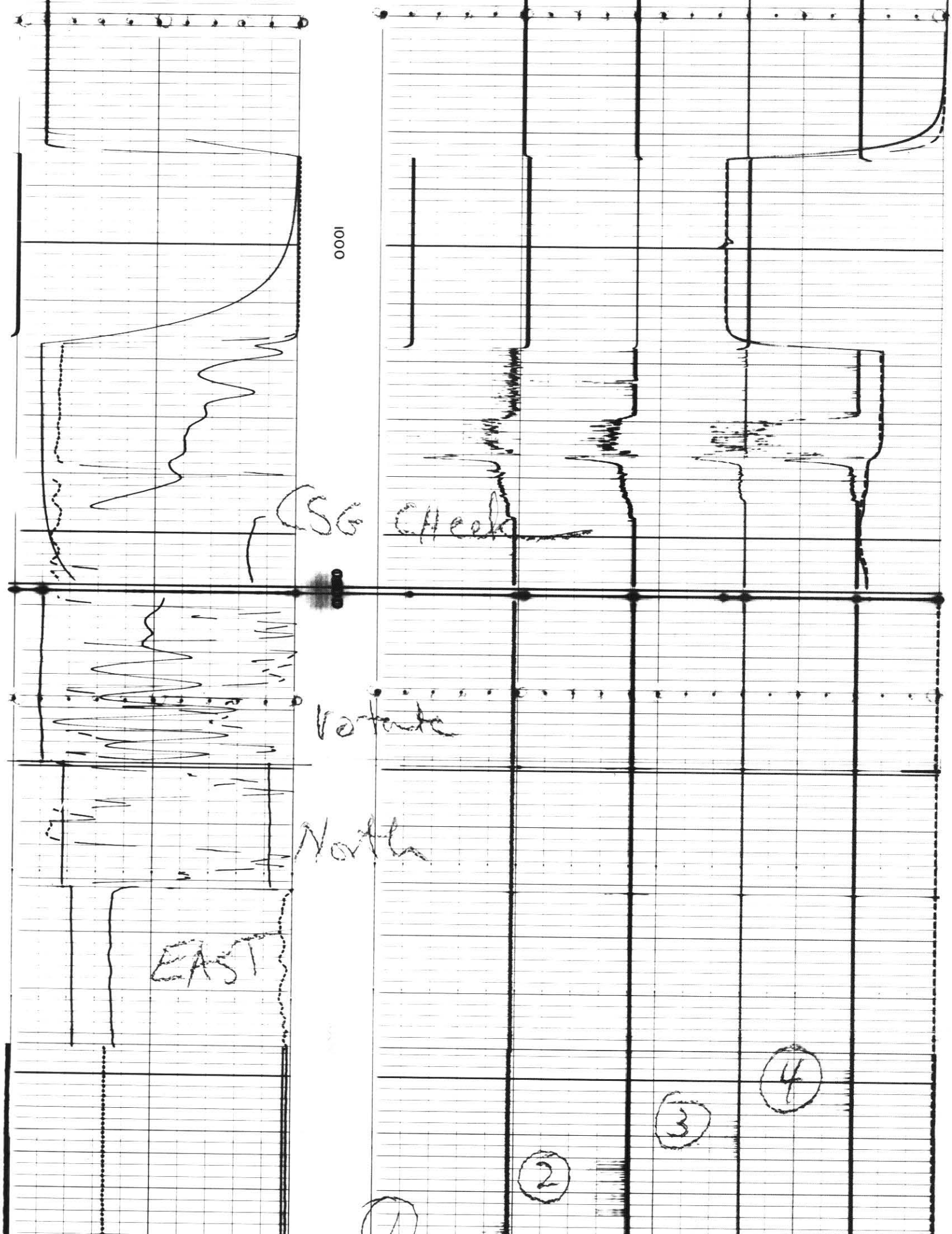
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EAST
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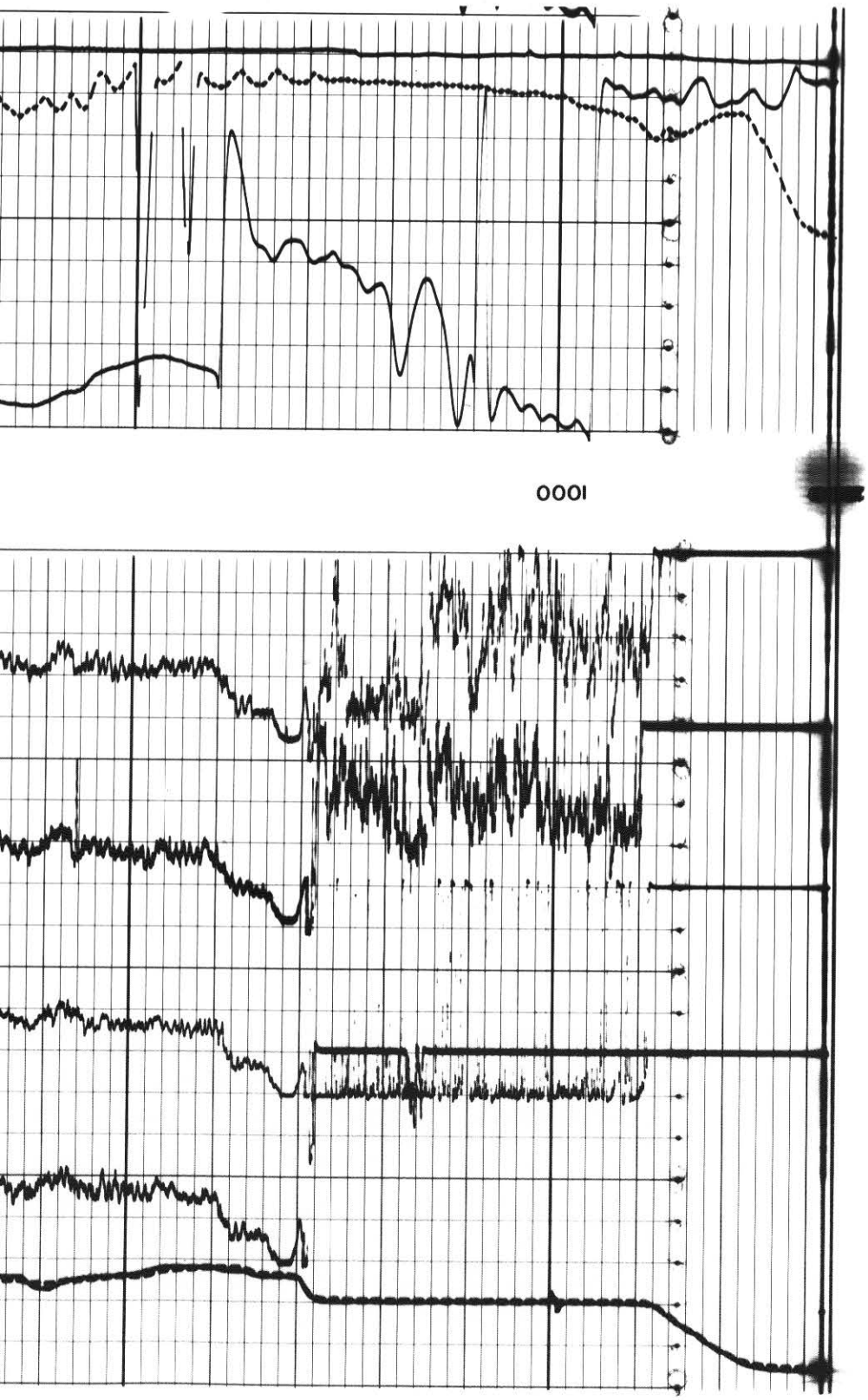
2
3
4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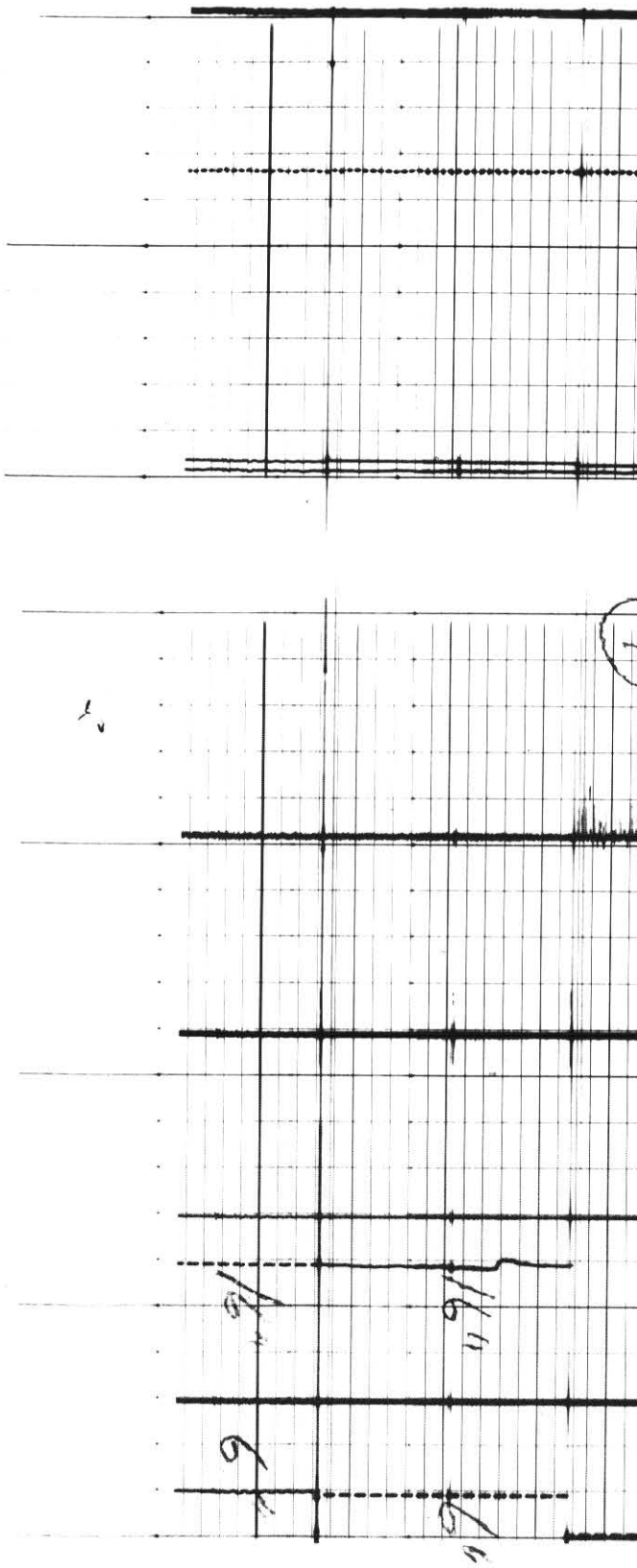

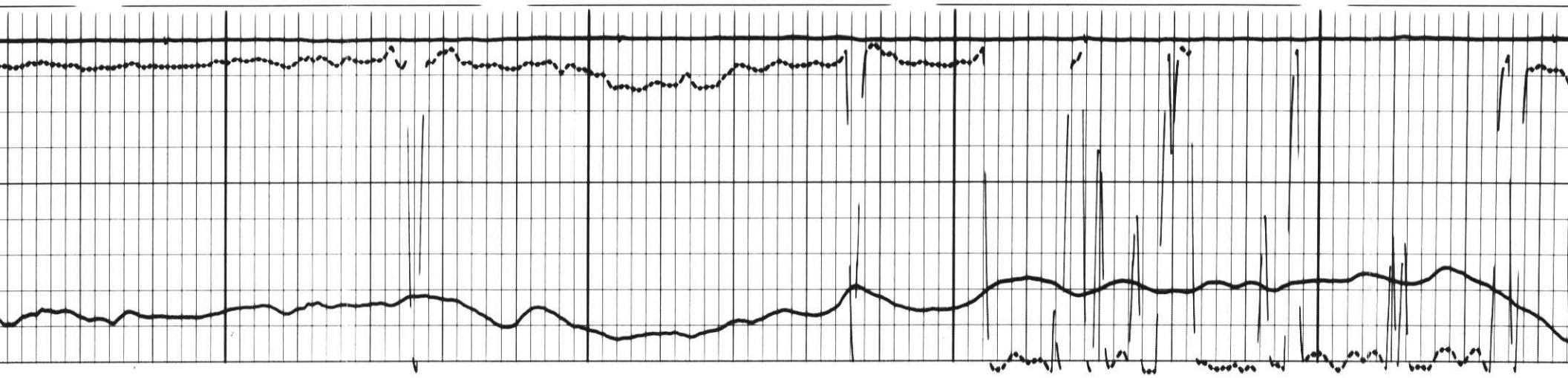

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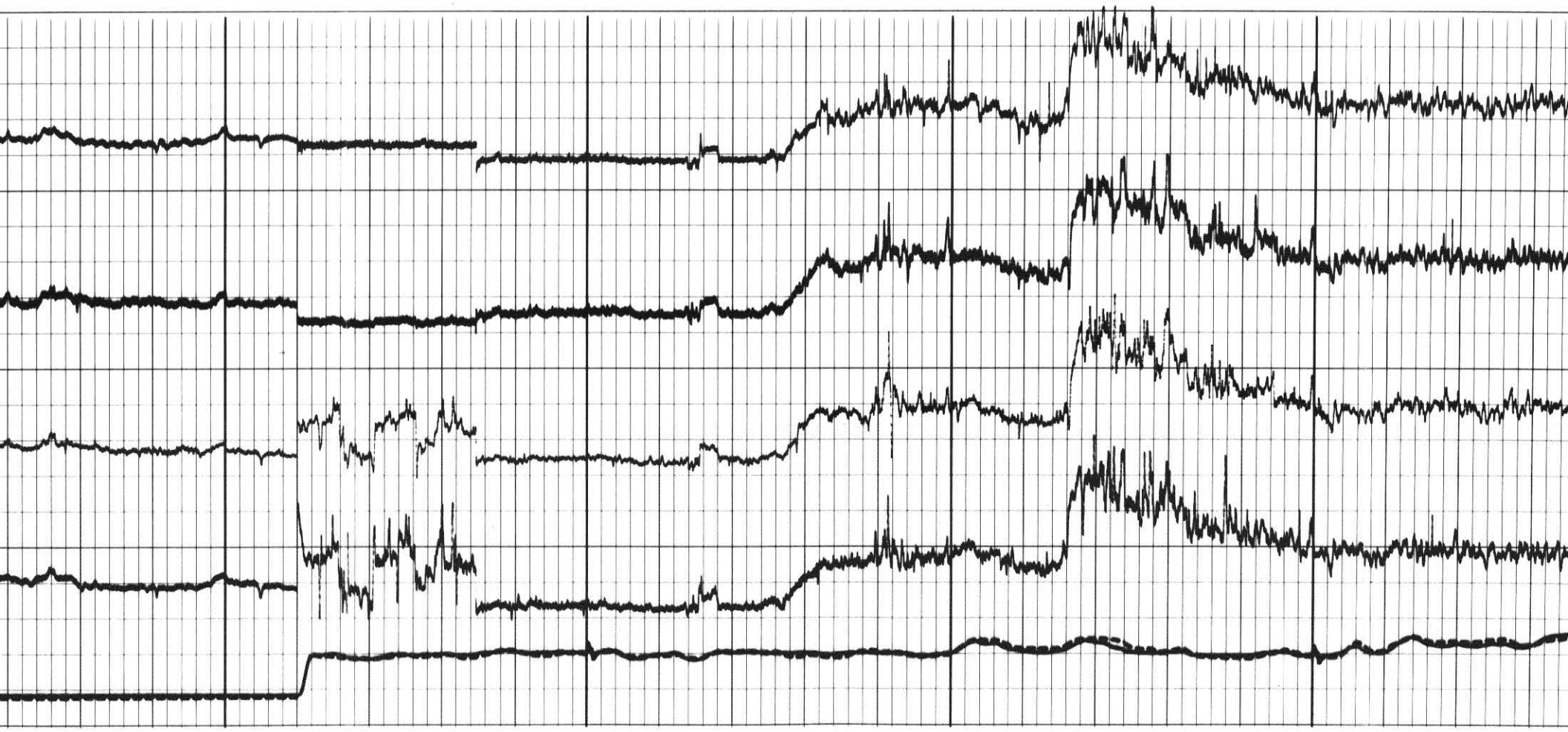

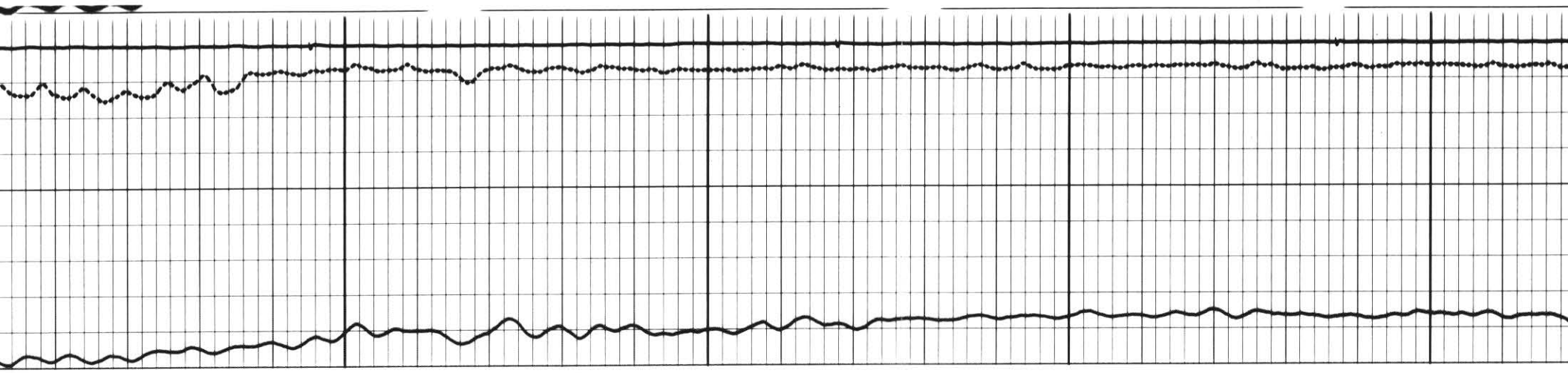

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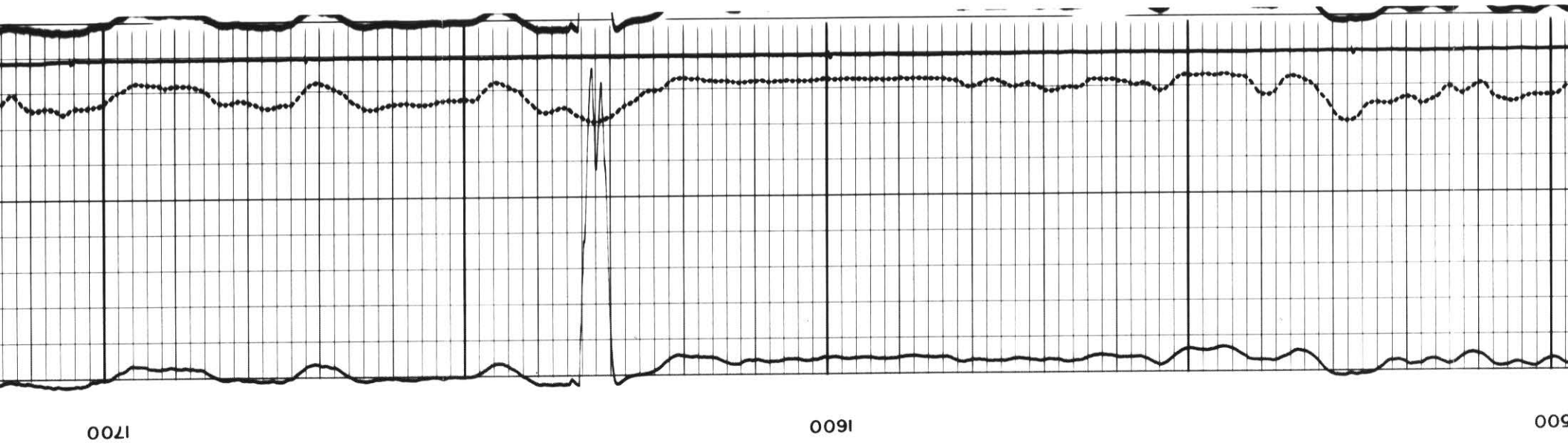
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1100
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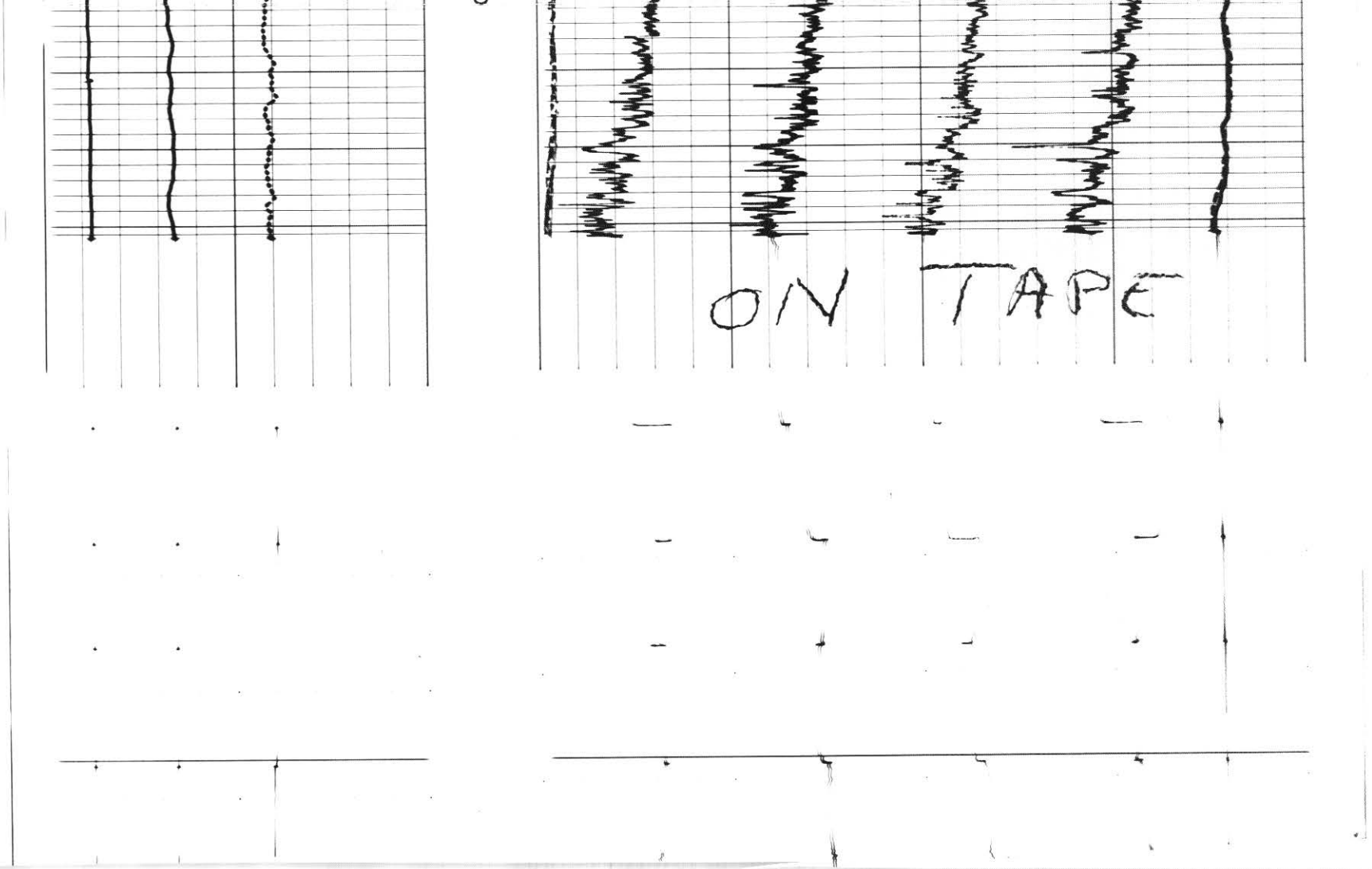
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