

SCHLUMBERGER

FORMATION DENSITY LOG

COMPENSATED
SCHLUMBERGER OF CANADA Calgary Alberta

PROVINCE YUKON TERRITORIES
FIELD WILDCAT
WELL INEXCO HUSKY ET AL PORCUPINE
YT G-31
COMPANY INEXCO OIL COMPANY

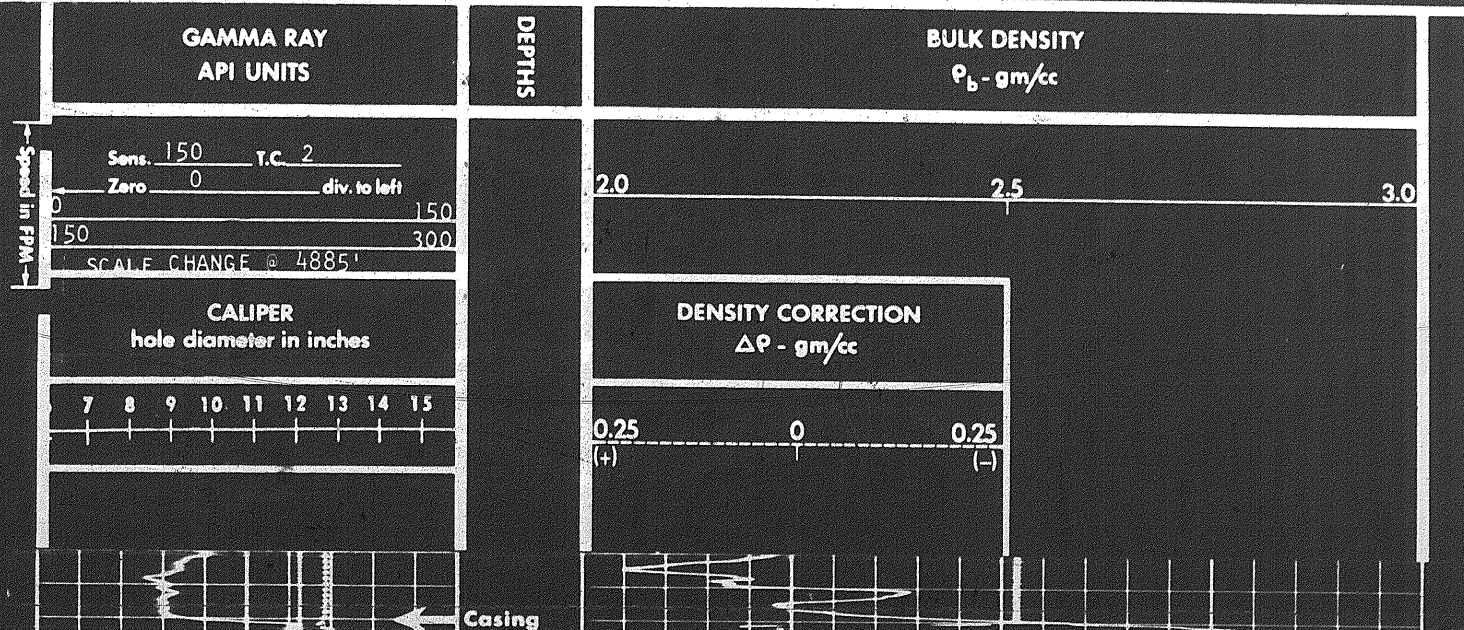
COMPANY INEXCO OIL COMPANY
WELL INEXCO HUSKY ET AL PORCUPINE
FIELD WILDCAT
PROVINCE YUKON TERRITORIES
LOCATION 66° 21' 22" N LAT.
140° 06' 13" W LONG.
Permanent Datum GL Elev. 3008.4
Log Measured From KB 16.6 Ft. Above Perm. Datum
Other Services:
SIC-GR, DIL, JDT,
SNP-GR
ELEV. KB 3025.0
GL 3008.4
GR:

Date	Run No.	First Reading	Last Reading	First Measured	Depth Reached	Bottom Driller	Cp. Driller	Mud Nature	Dens. Visc.	Mud pH	Water Loss	Res.	Ref.	Line	Open-Cl	Bit Size	Source to Detector	Spacing	Equipment Type	Op. Rig Time	Truck No.	Recorded By	Witness
26 FEB 72	ONE	4885	8717	990	4900	4900	988	STIFF FOAM & AIR	8.7	8.0	-	-	-	-	-	12 1/4"	16"	PGT-D	4.5 HRS	OSU-C-307	STUEHMER	TIFFIN	
22 MAR 72	TWO	8717	4900	3895	3817	8719	4900	GEL	4.0	28.5	-	-	-	-	-	8 3/4"	16"	PGT-D	4 HRS	OSU-C-307 REM	STUEHMER	TIFFIN	

EXTENSIONS ONLY
of Logline Meters

1 MAR 72 CAL PK

REMARKS		1st Run Service Order #		
Drilling Stopped 1200 / 24th	Circulation Stopped 2200 / 24th	7701		
RUN 2: 2200 20th	0500 21st	B.H.T. 91		
	Tool on Bottom 0300 / 26th	120		
	1600 22nd			
Panel No. EA 302 EA 169	RUN HOLE DRILLED WITH STIFF FOAM & AIR	RESISTIVITY OF SAMPLE		
Cartridge No. A 341 A 72	1. SEEPING FORMATION WATER PLUS 250 BARRELS OF	OF FORMATION WATER		
Sonde No. F 555 E 194	RIG WATER FILLED HOLE TO CASING PRIOR TO	= 7.4 @ 65°		
Detector No. D 345 D 314	LOGGING.			
	RUN 2: MUD SAMPLES: Rm #1 = 6.37 @ 69°F	GR INSENSITIVE TO LOW CPS ABOVE		
	Rm #2 = 6.29 @ 70°F	8000' REFER TO SNP-GR.		
	Rm #3 = 6.17 @ 69°F			
CALIBRATION:	Background CPS	Test Source CPS	Galvanometer Deflection Div.	Panel Sens. Tap for Cal.
Gamma Ray	30	410	10.0	-
RUN 2:	20	420	10.0	PGP



hole diameter in inches

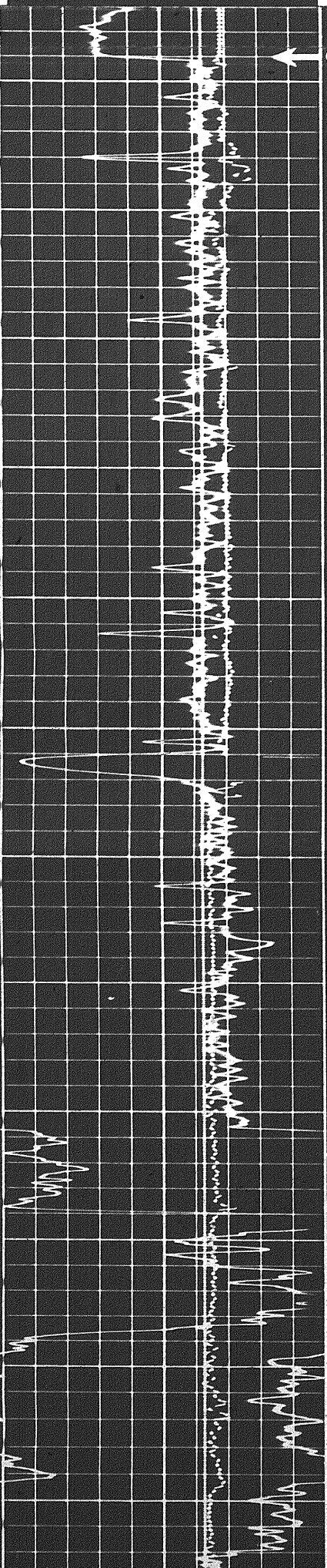
7 8 9 10 11 12 13 14 15

$\Delta P - \text{gm/cc}$

0.25
(+)

0

0.25
(-)



Casing

1000

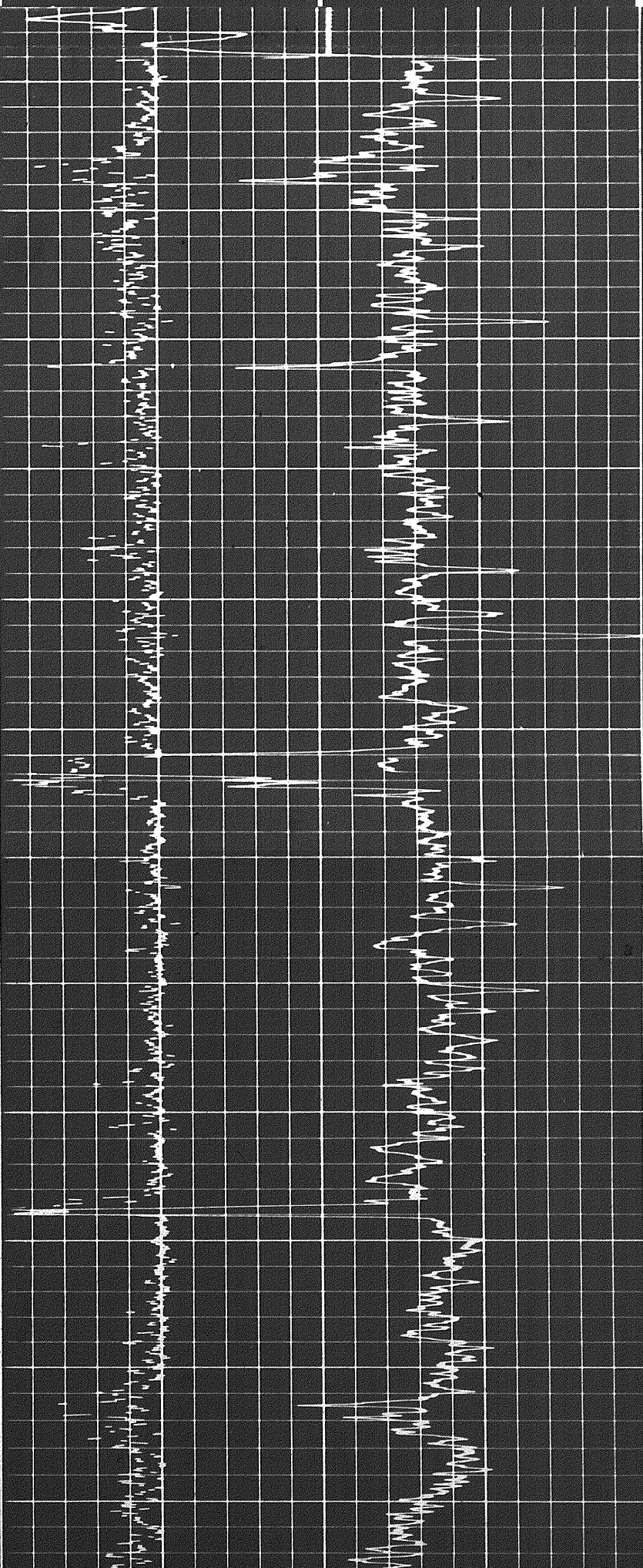
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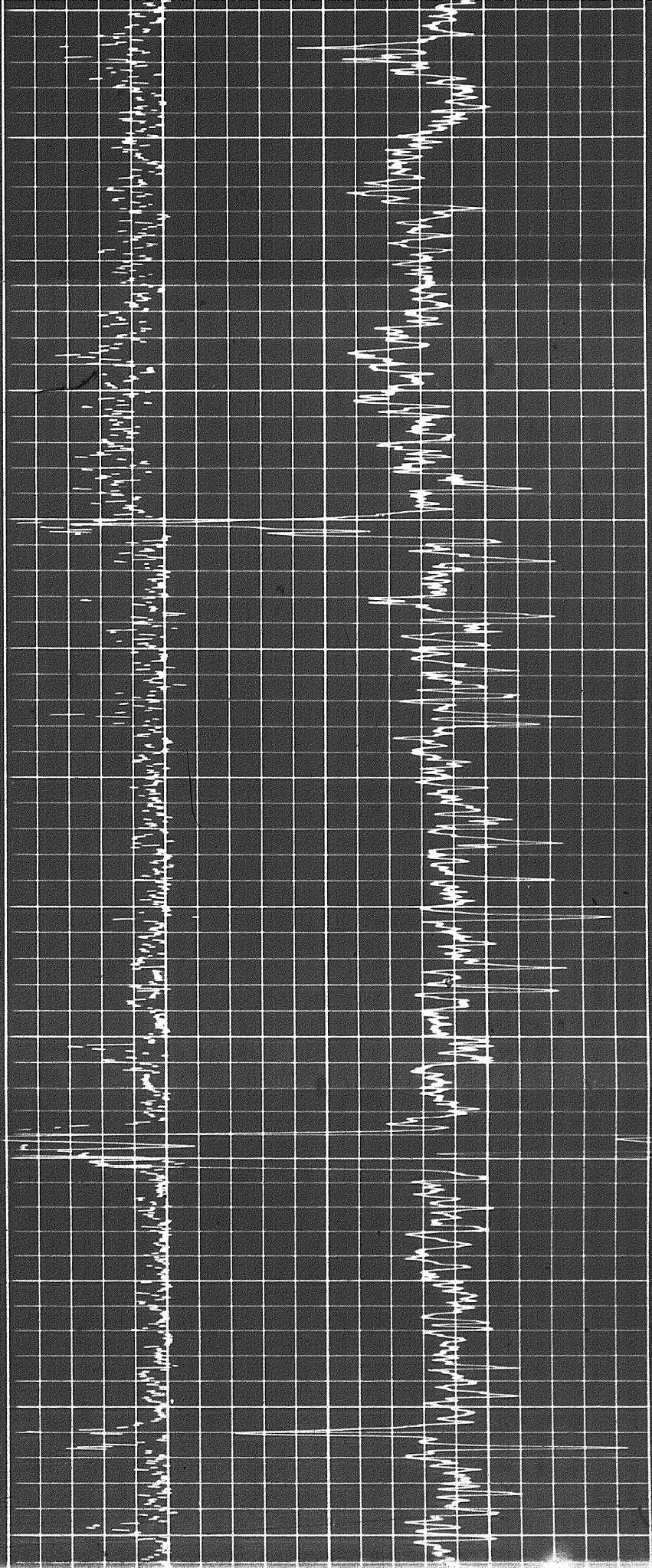
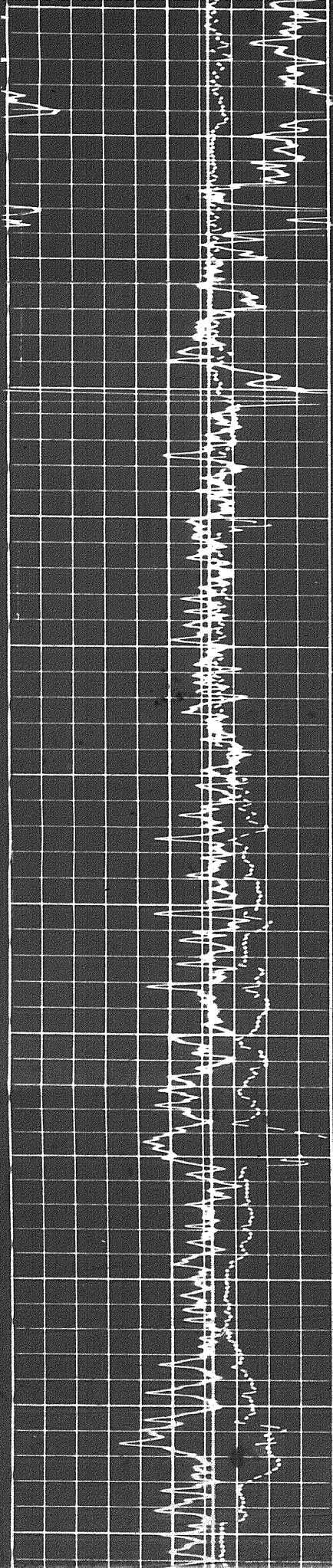
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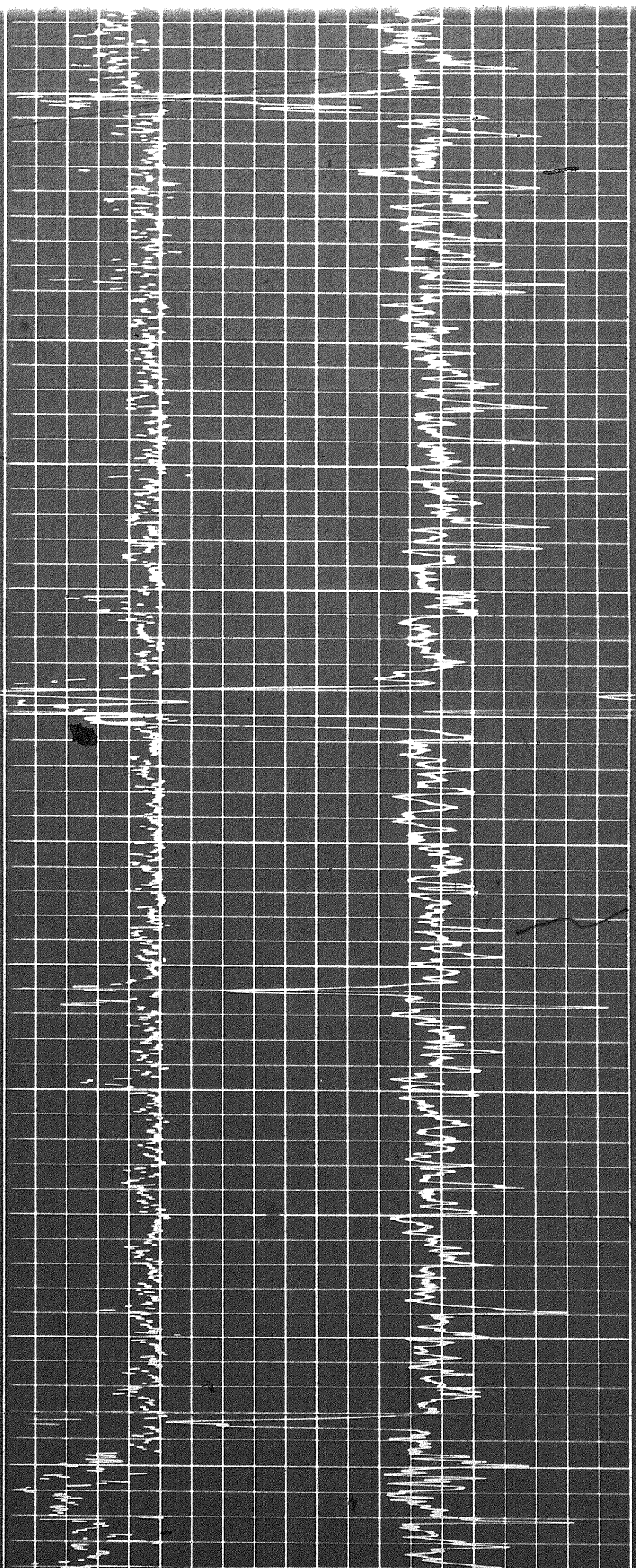
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1400

1500







1700

1800

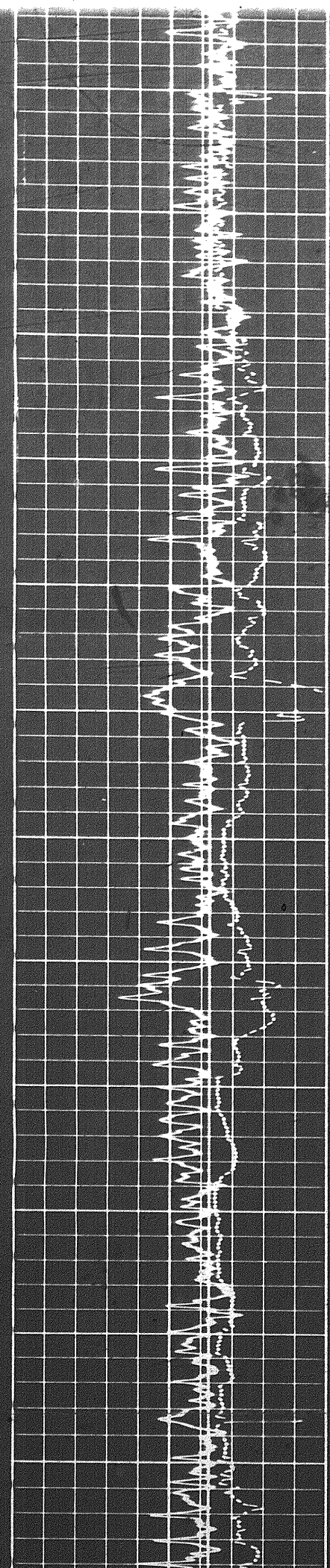
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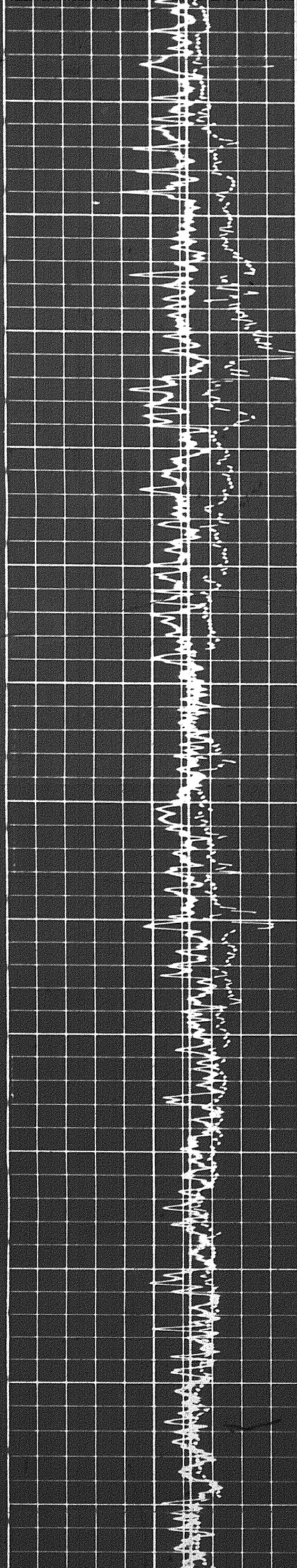
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2200

2300



92



2300

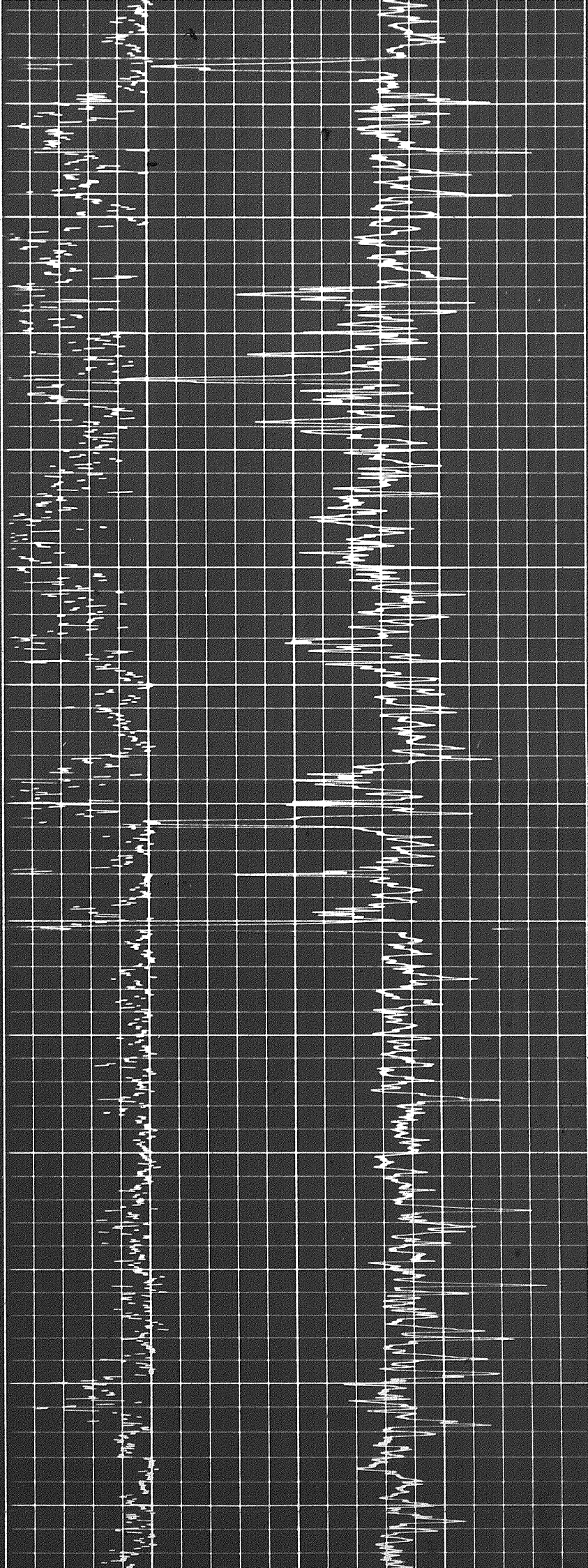
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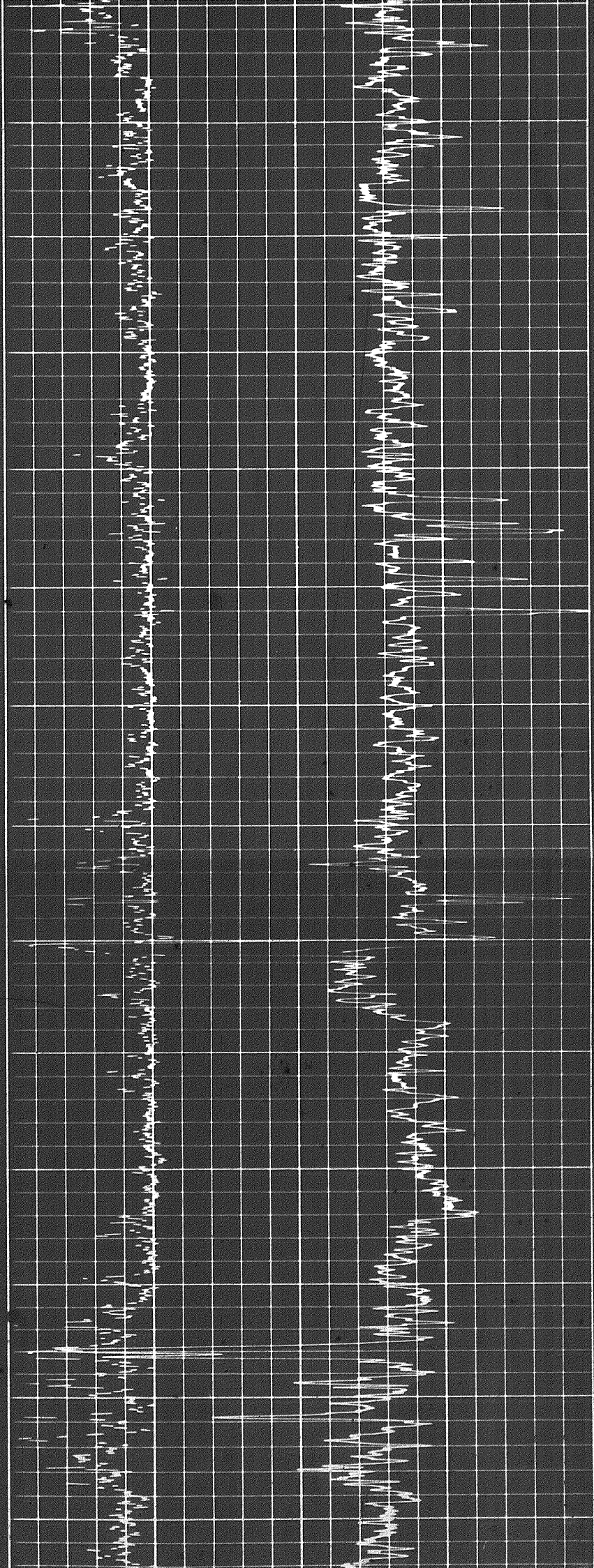
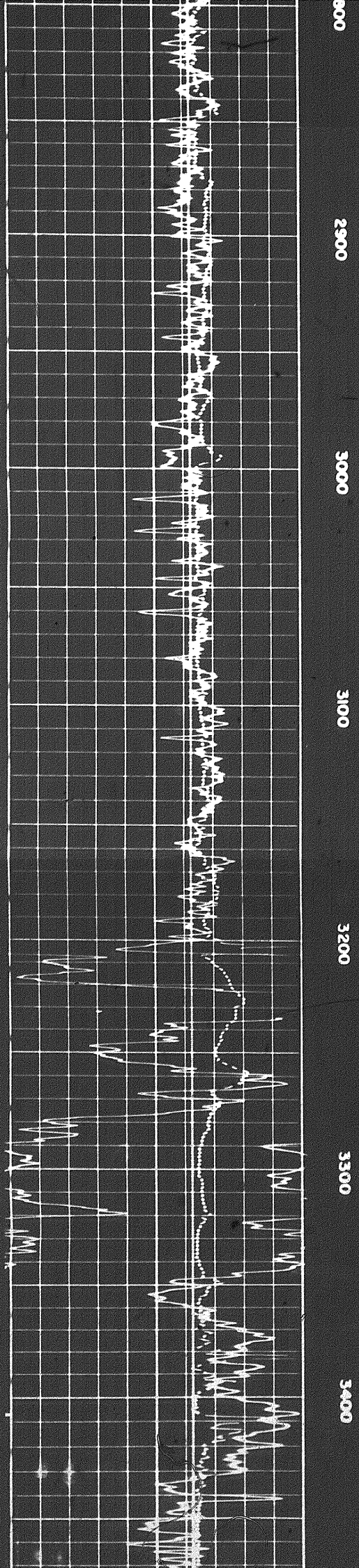
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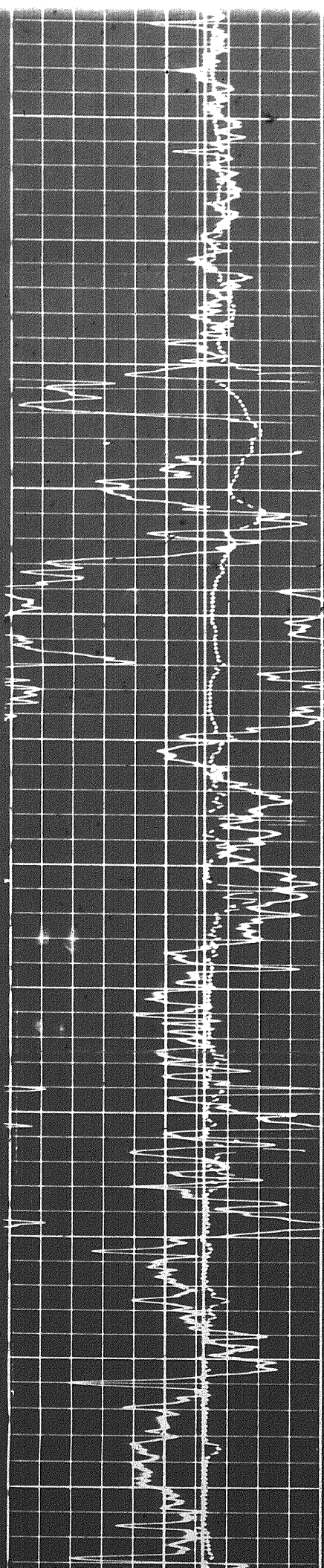
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2700

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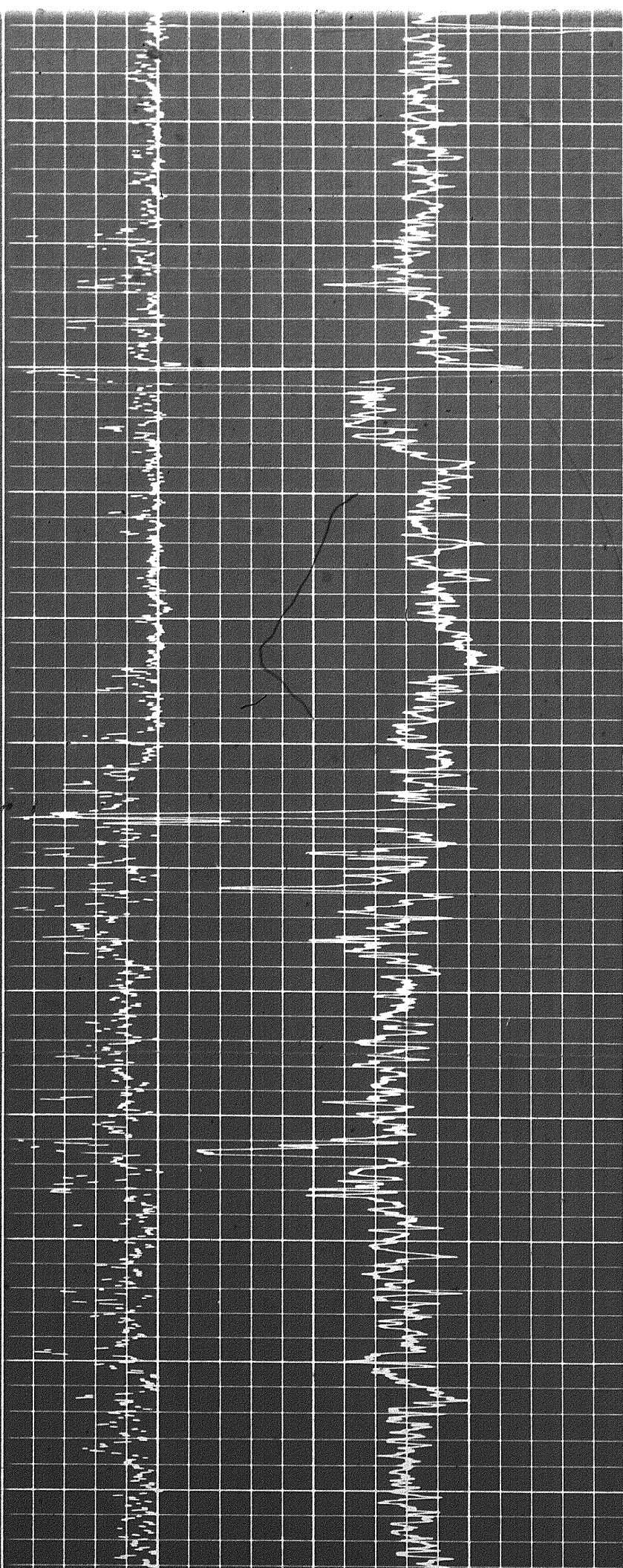
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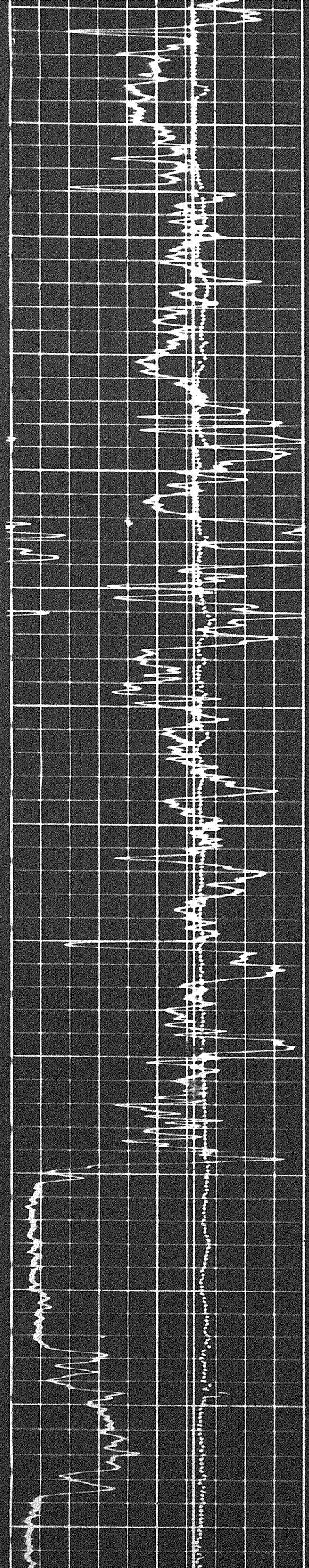
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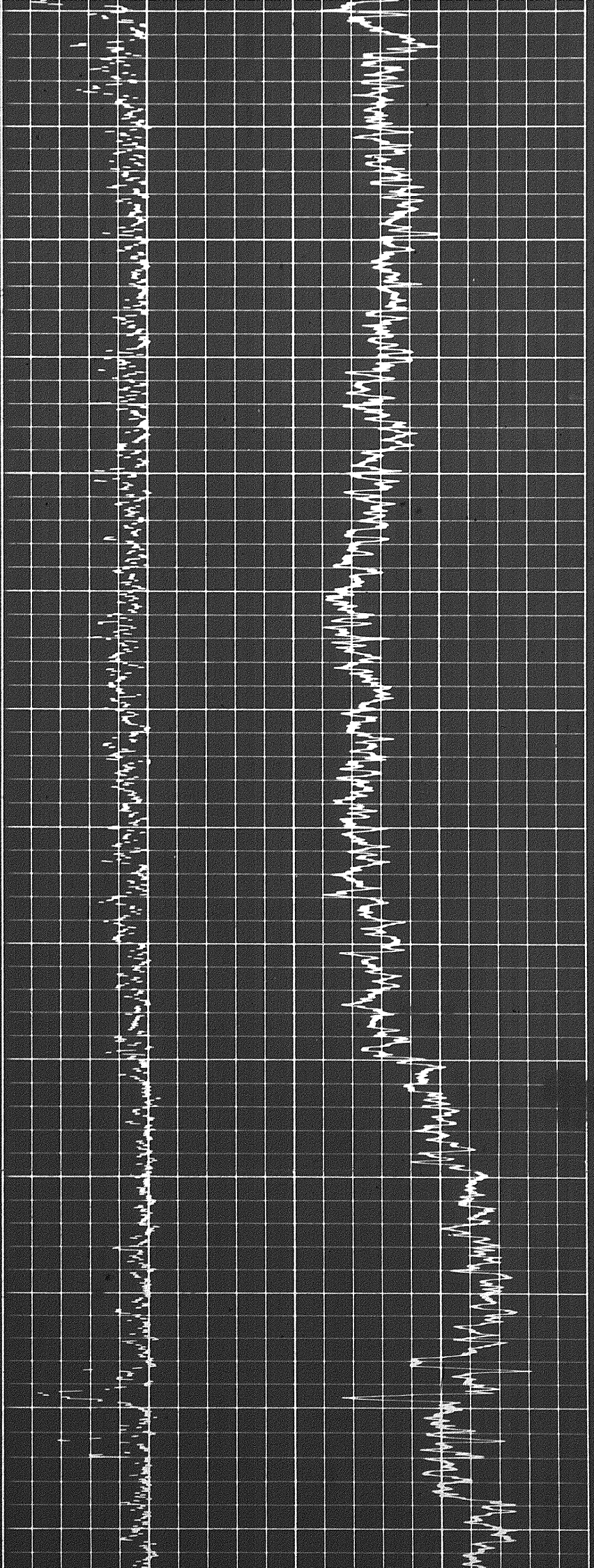
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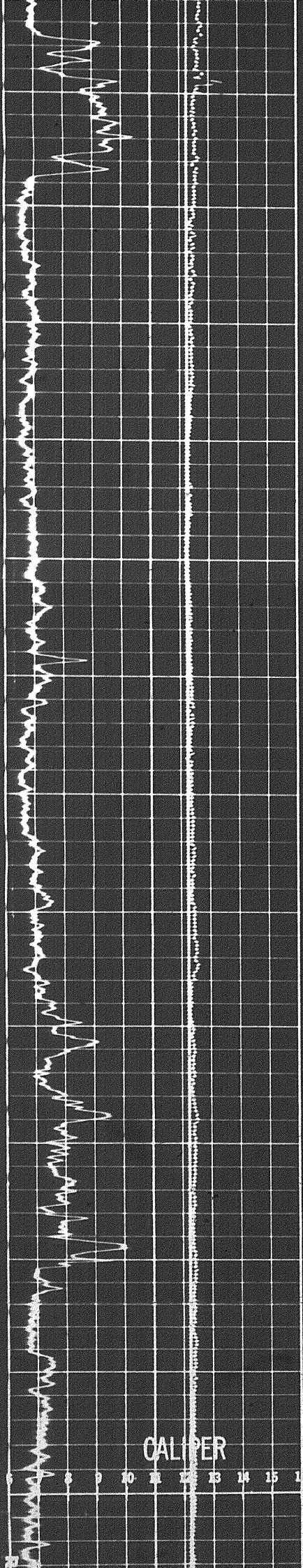
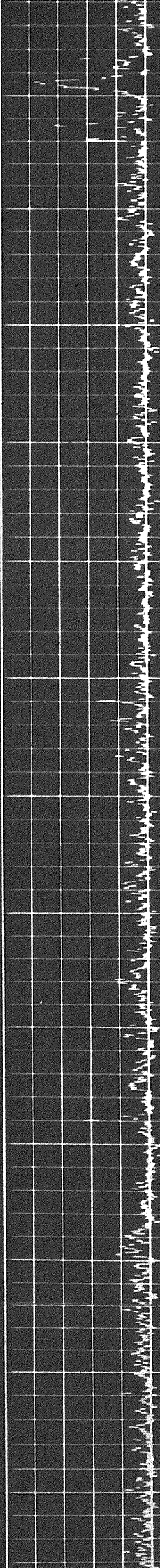
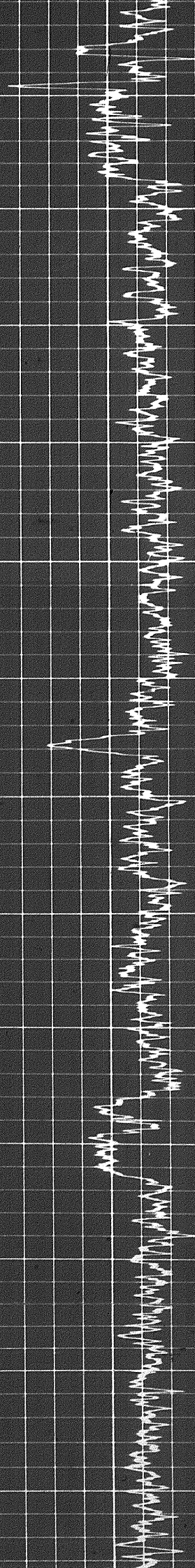


207



6000 3700 3800 3900 4000 4100 4200





4200

4300

4400

4500

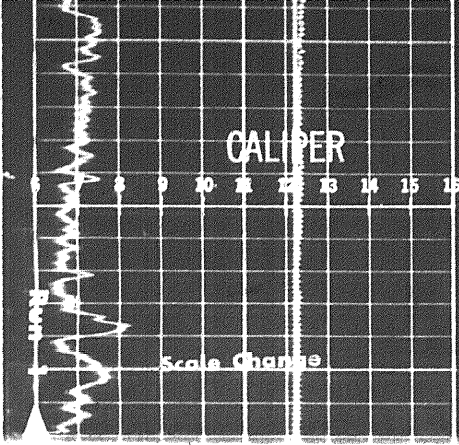
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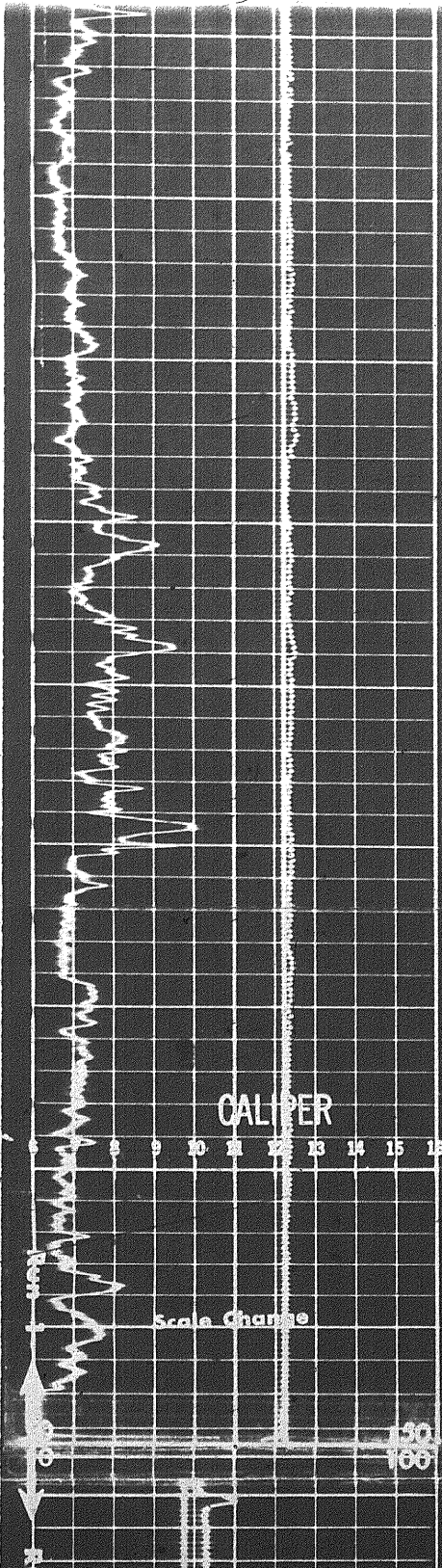
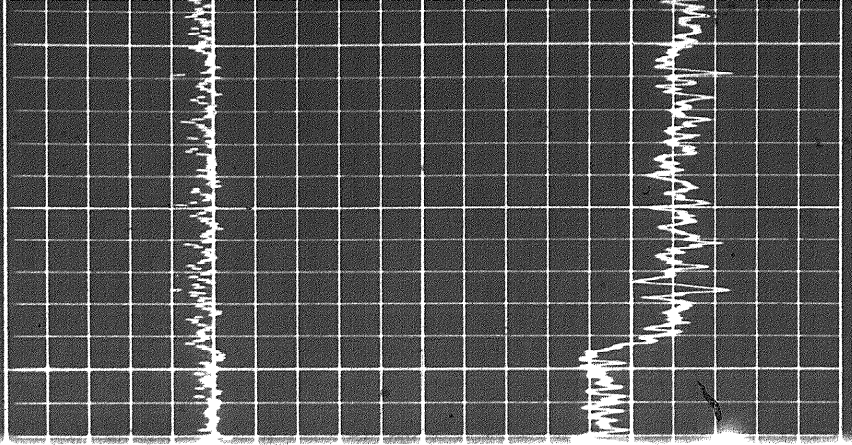
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CALIPER

9 10 11 12 13 14 15 16



4800



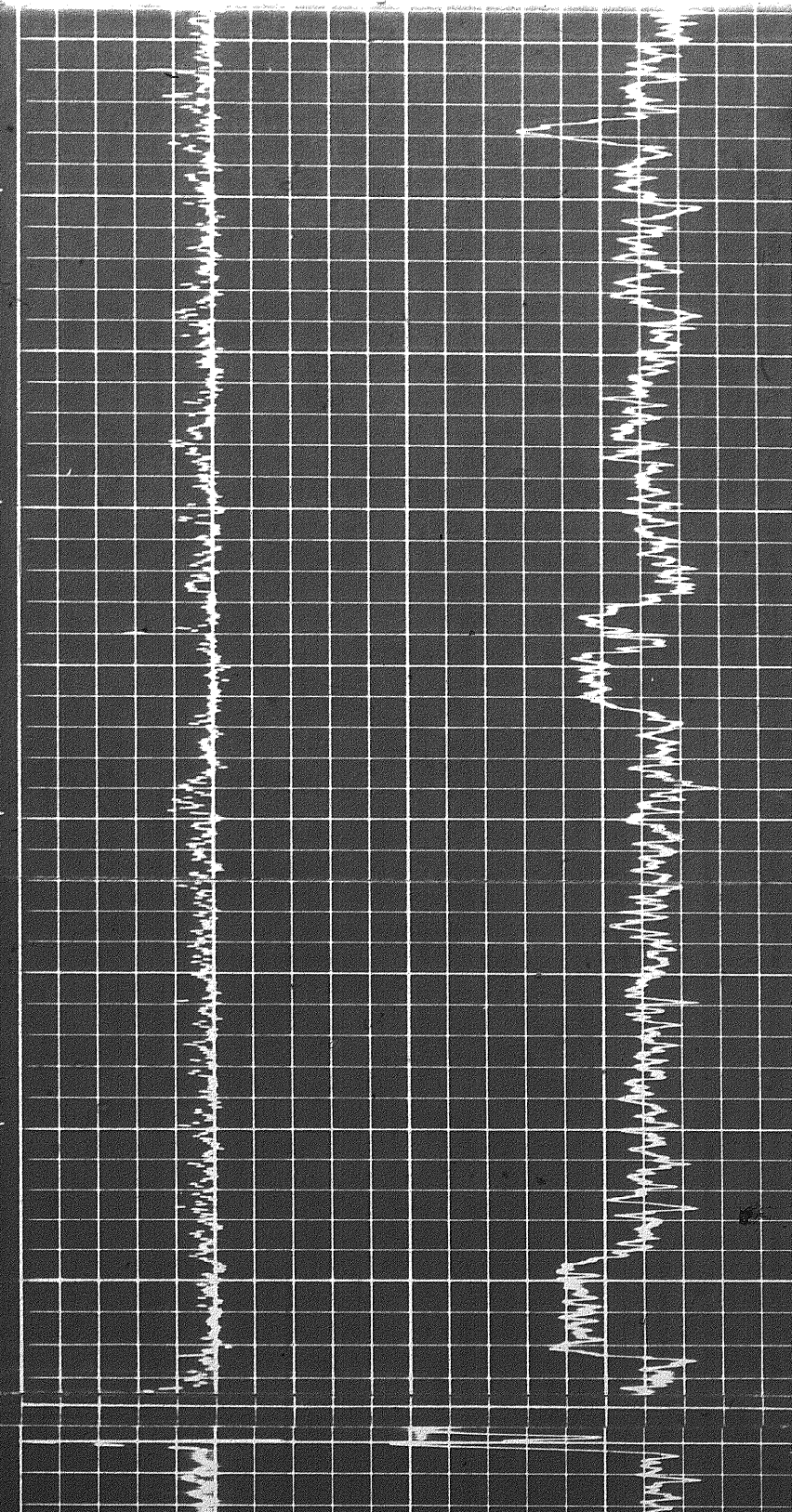
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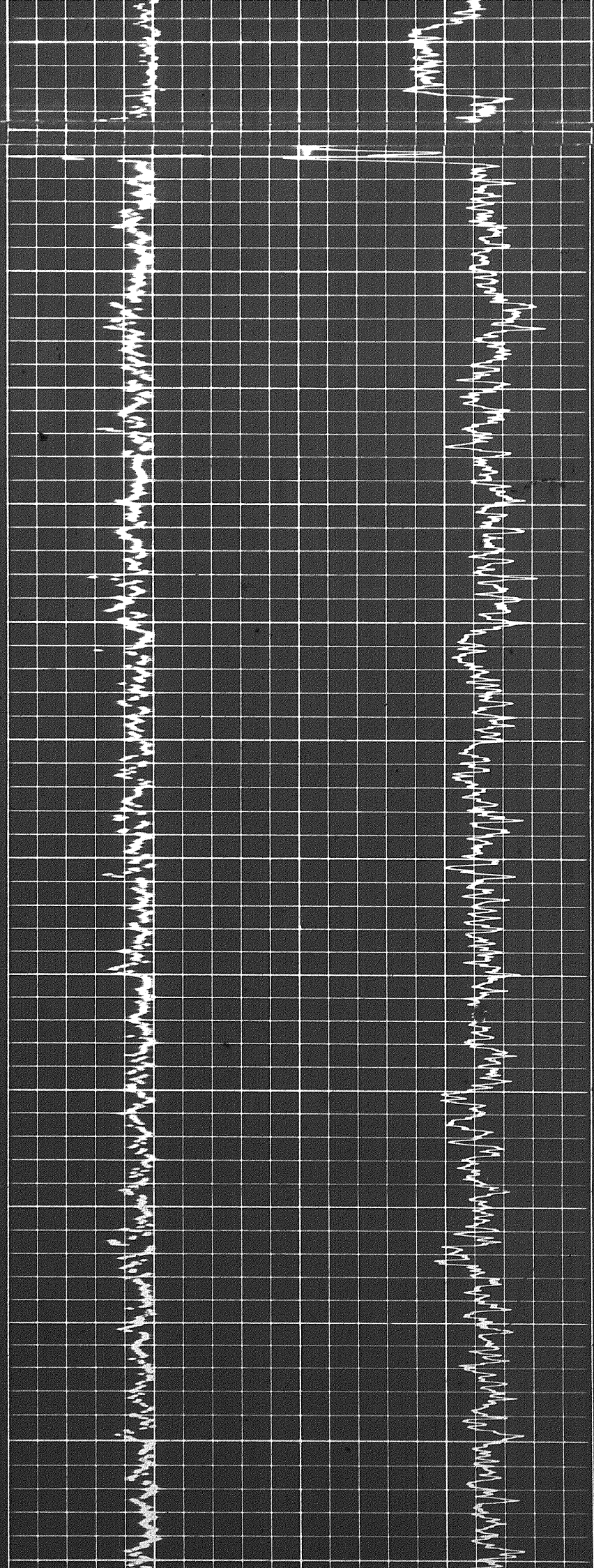
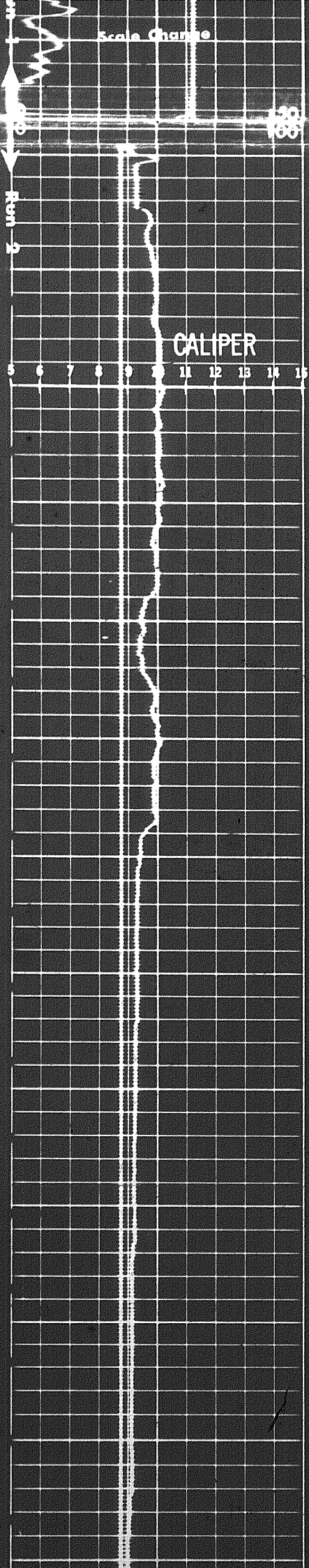
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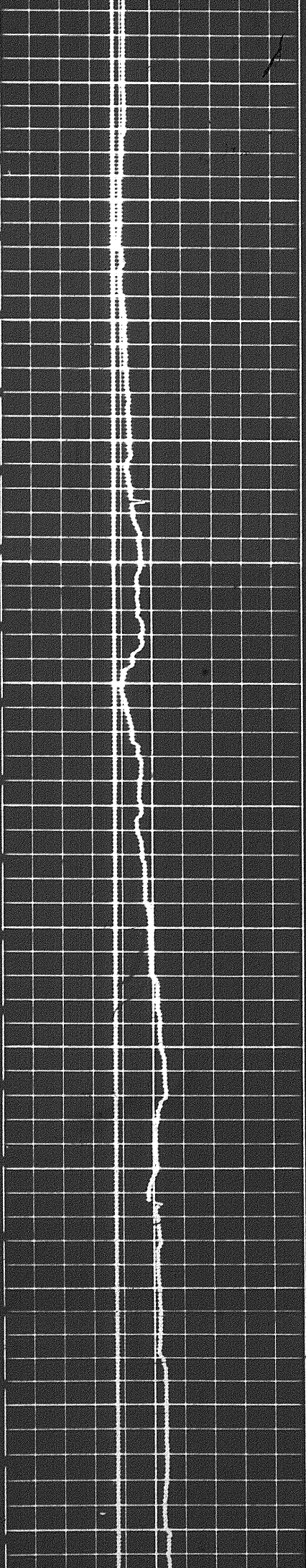
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110

2



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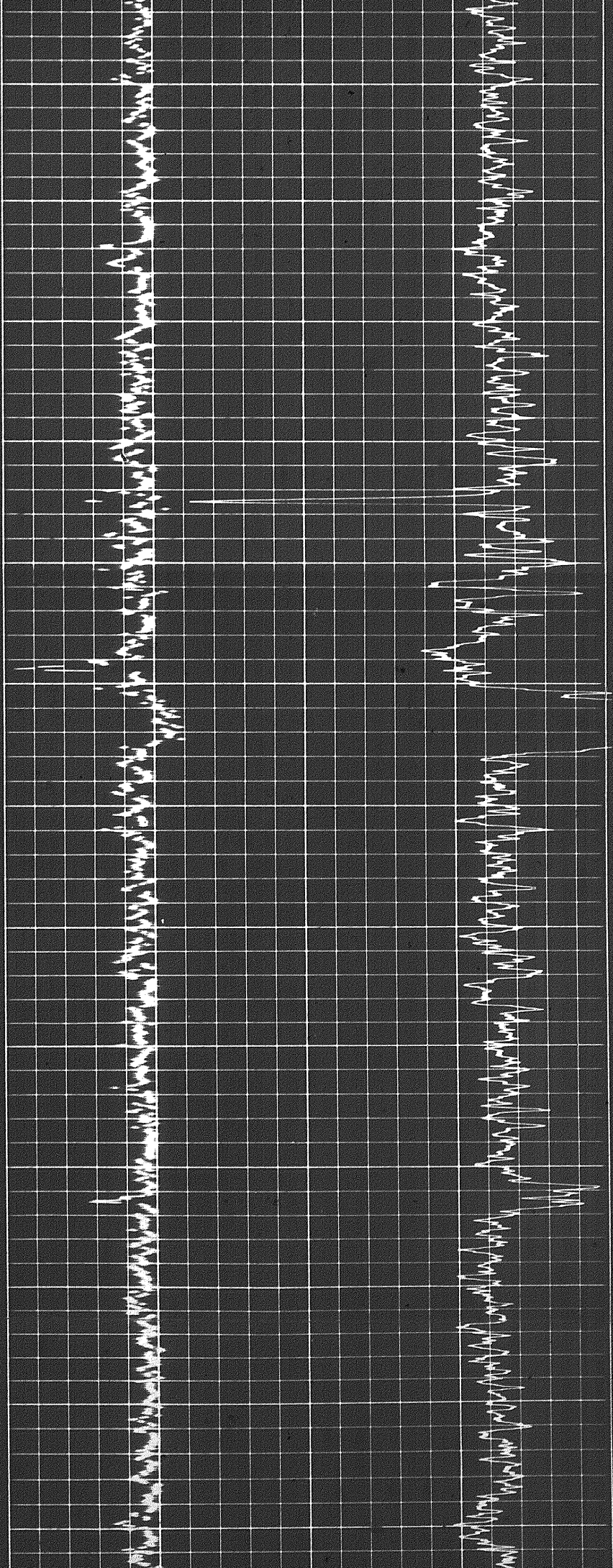
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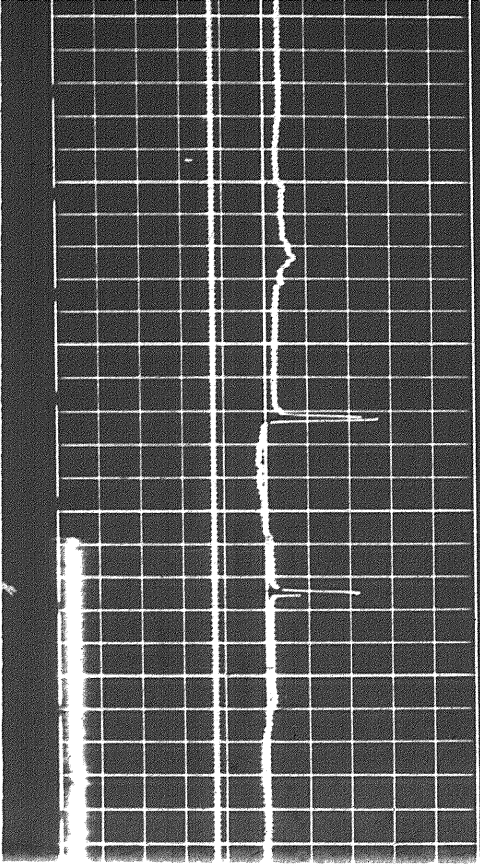
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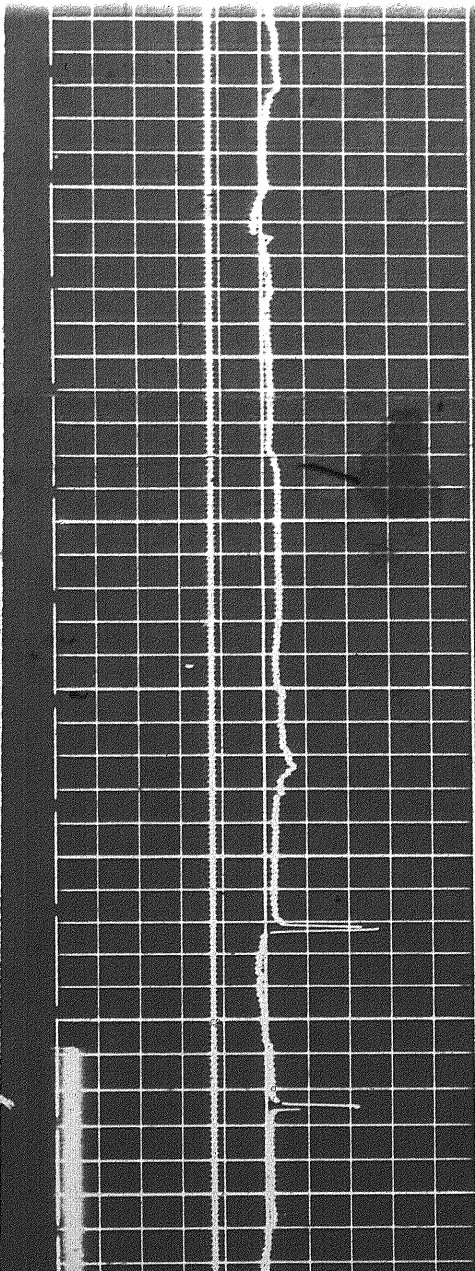
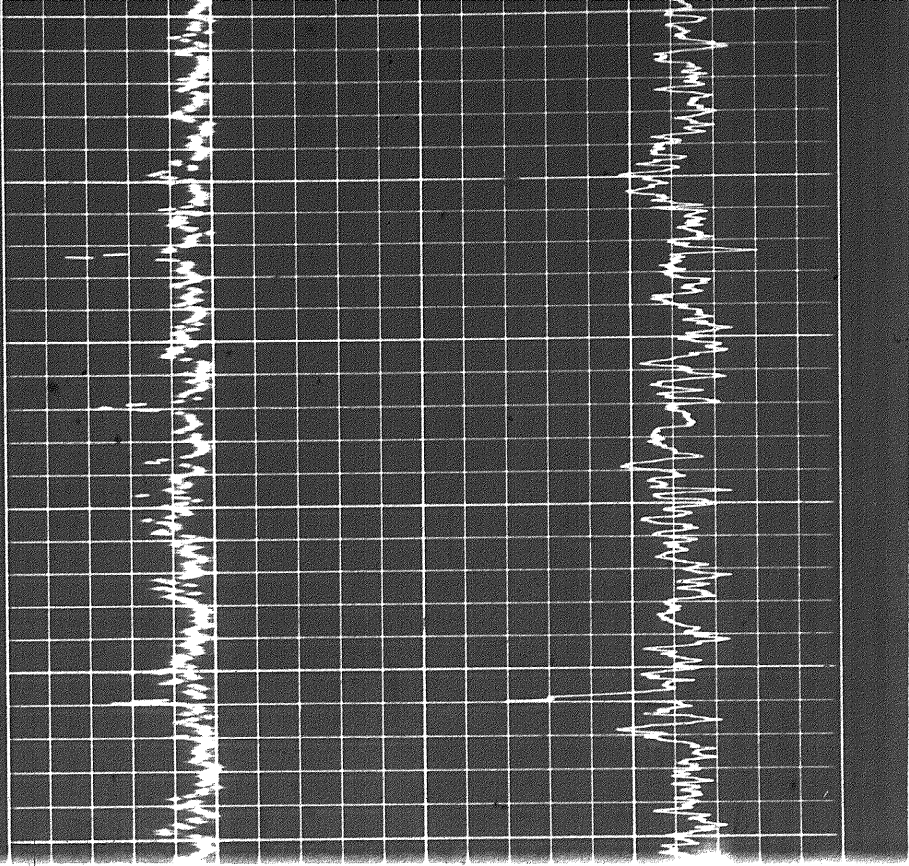
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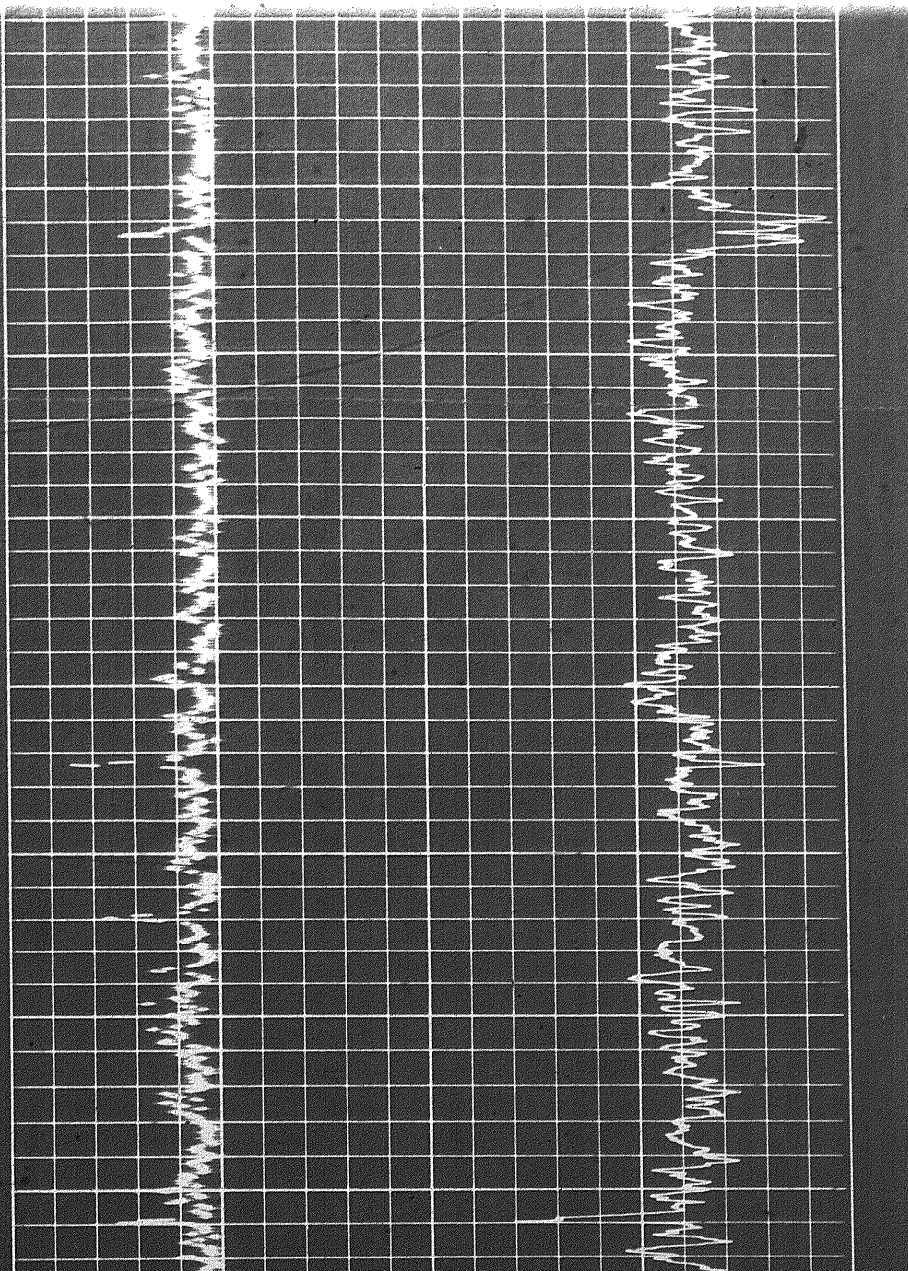




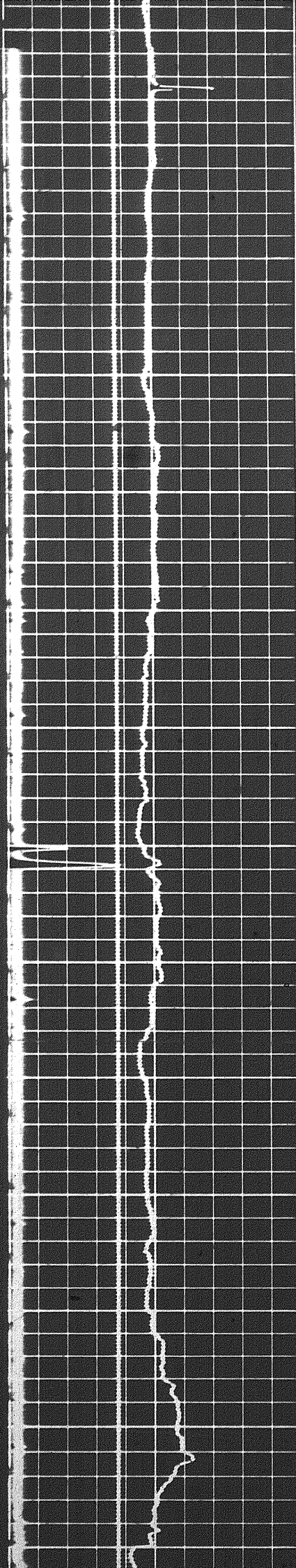
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5900 6000 6100 6200



20



6200

6300

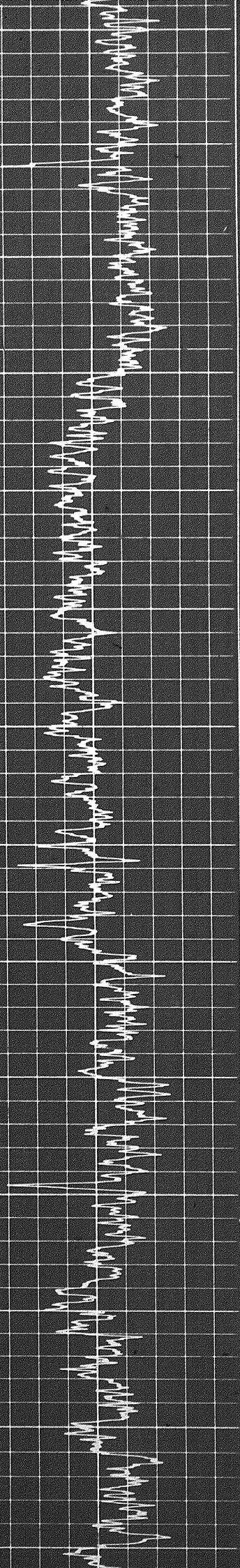
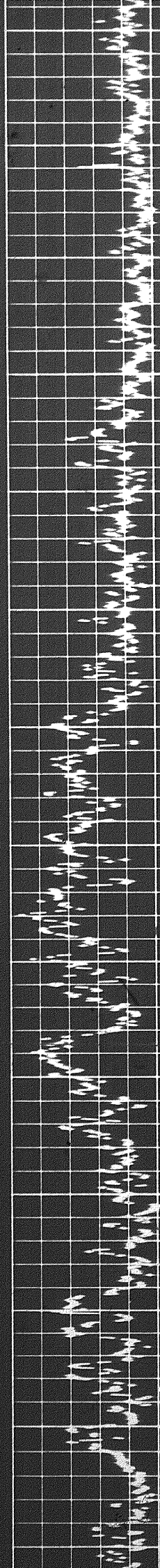
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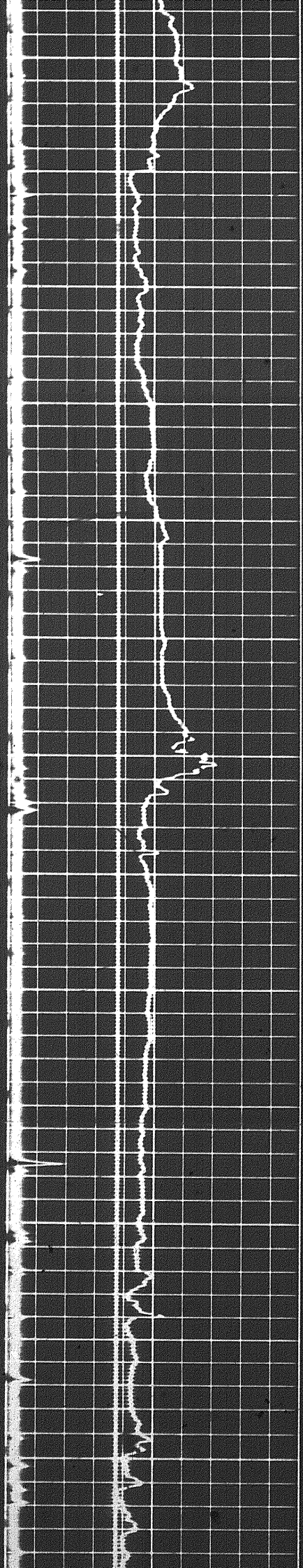
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6700

6800



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6800

6900

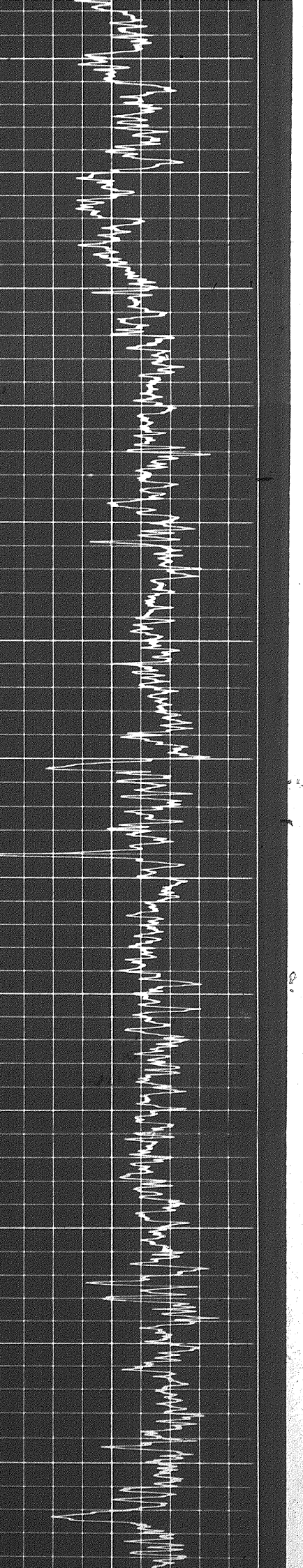
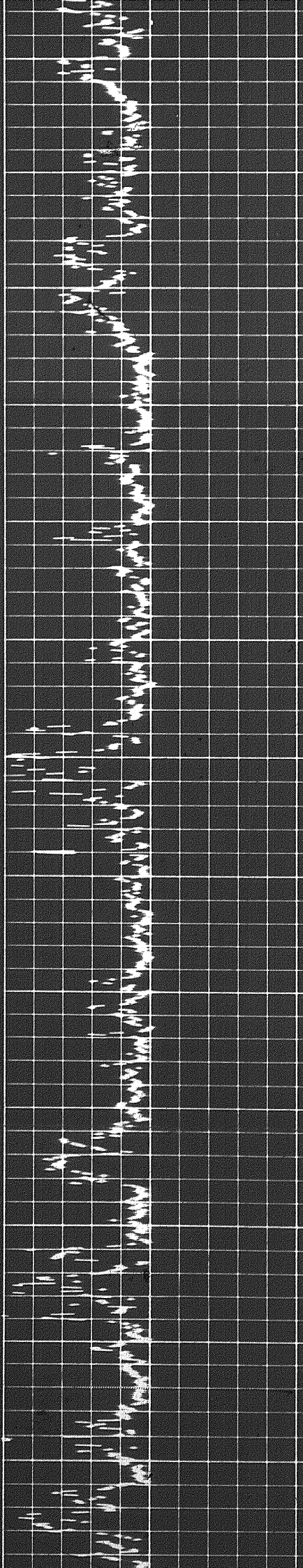
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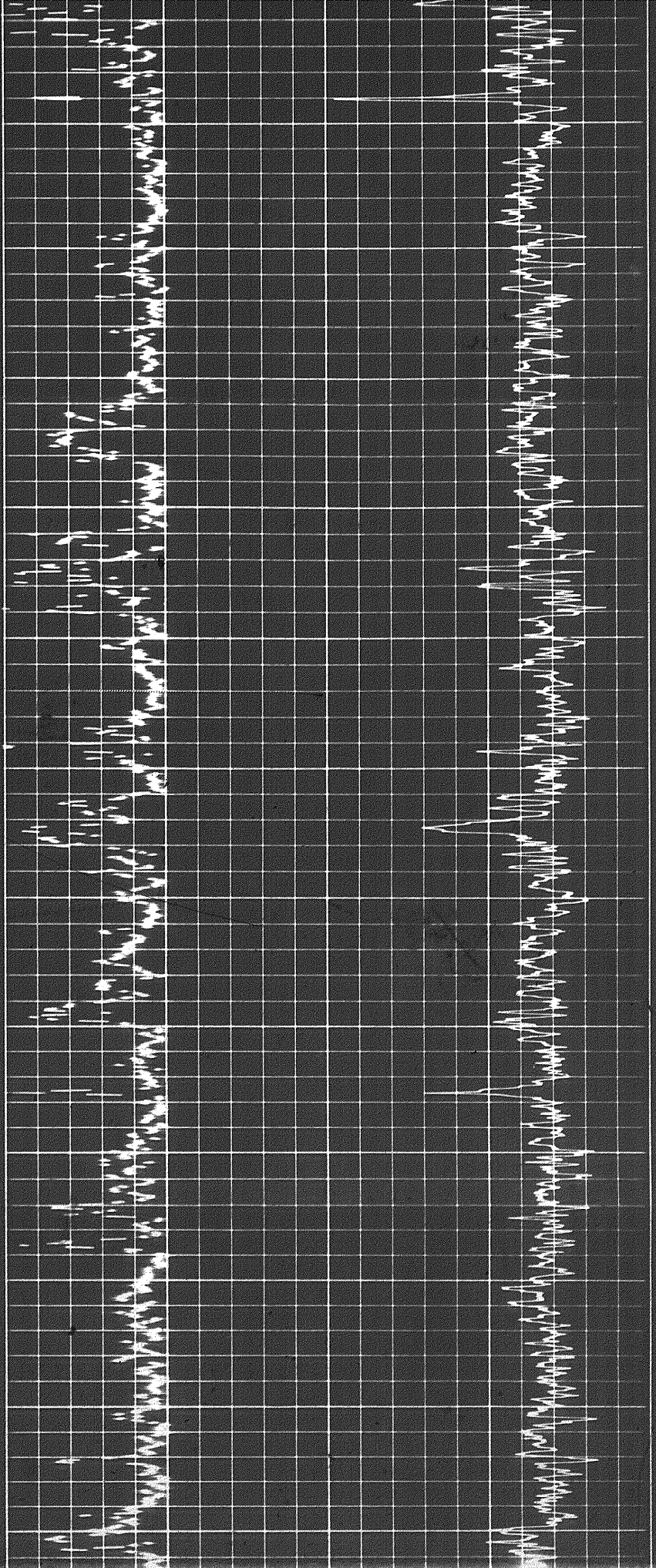
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7200

7300

7





7100

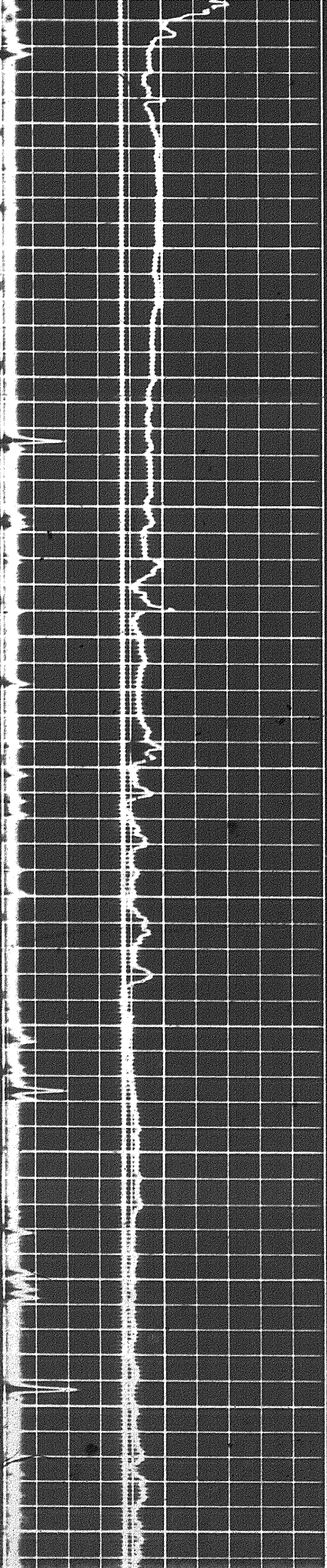
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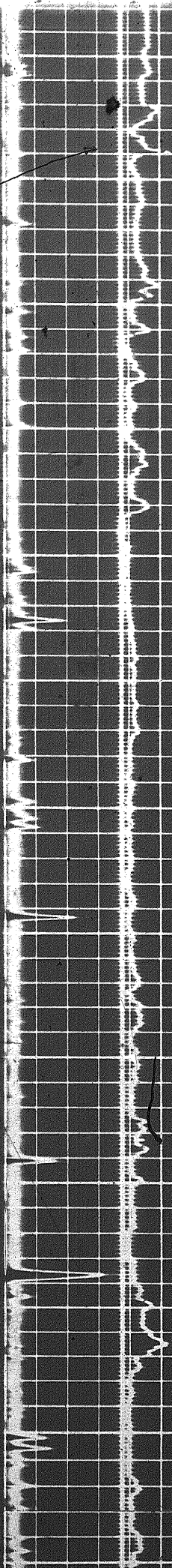
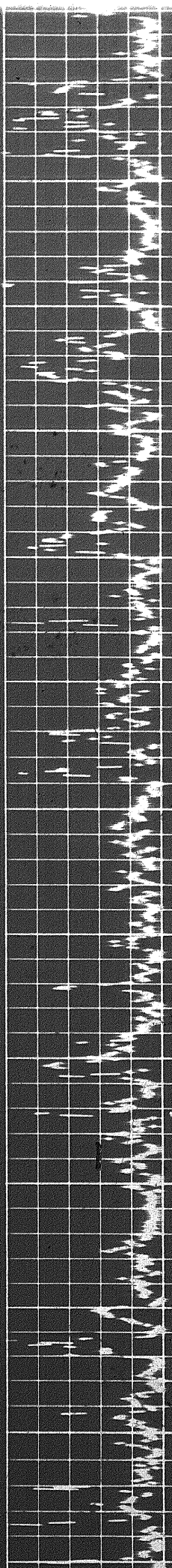
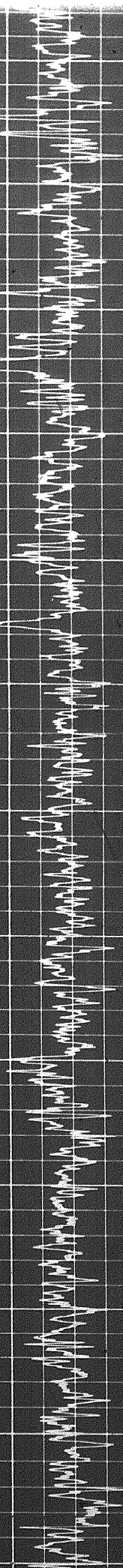
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7300

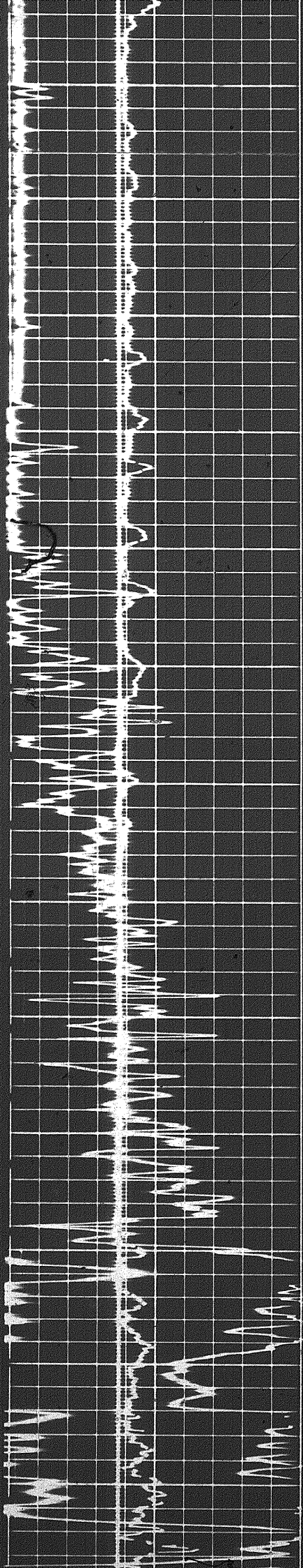
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7800

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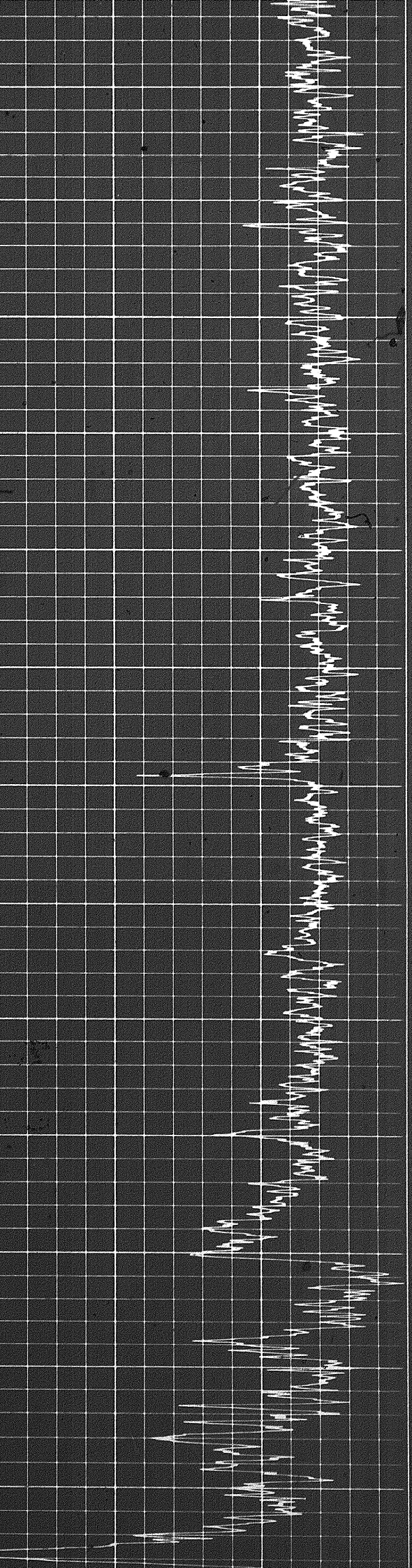
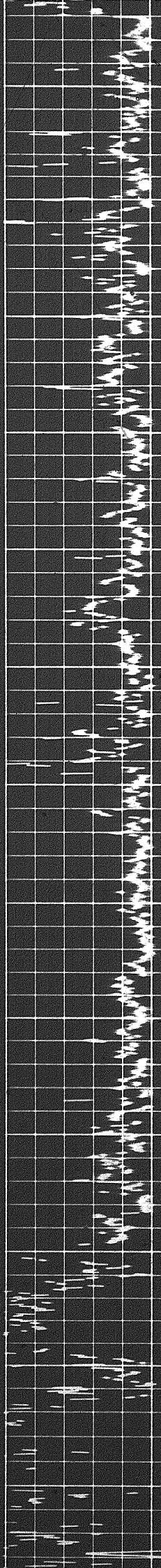
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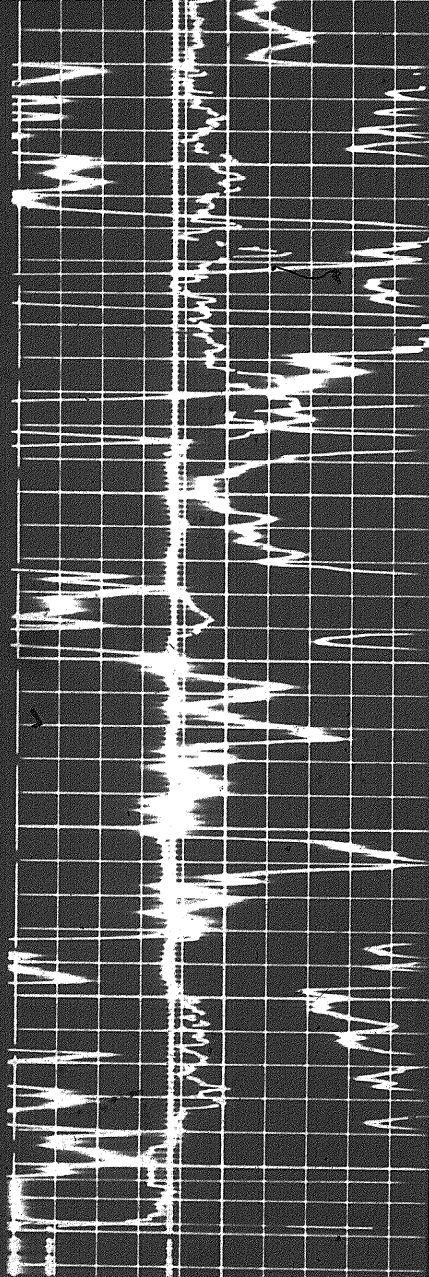
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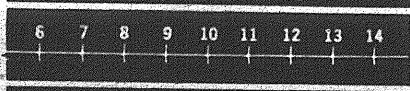
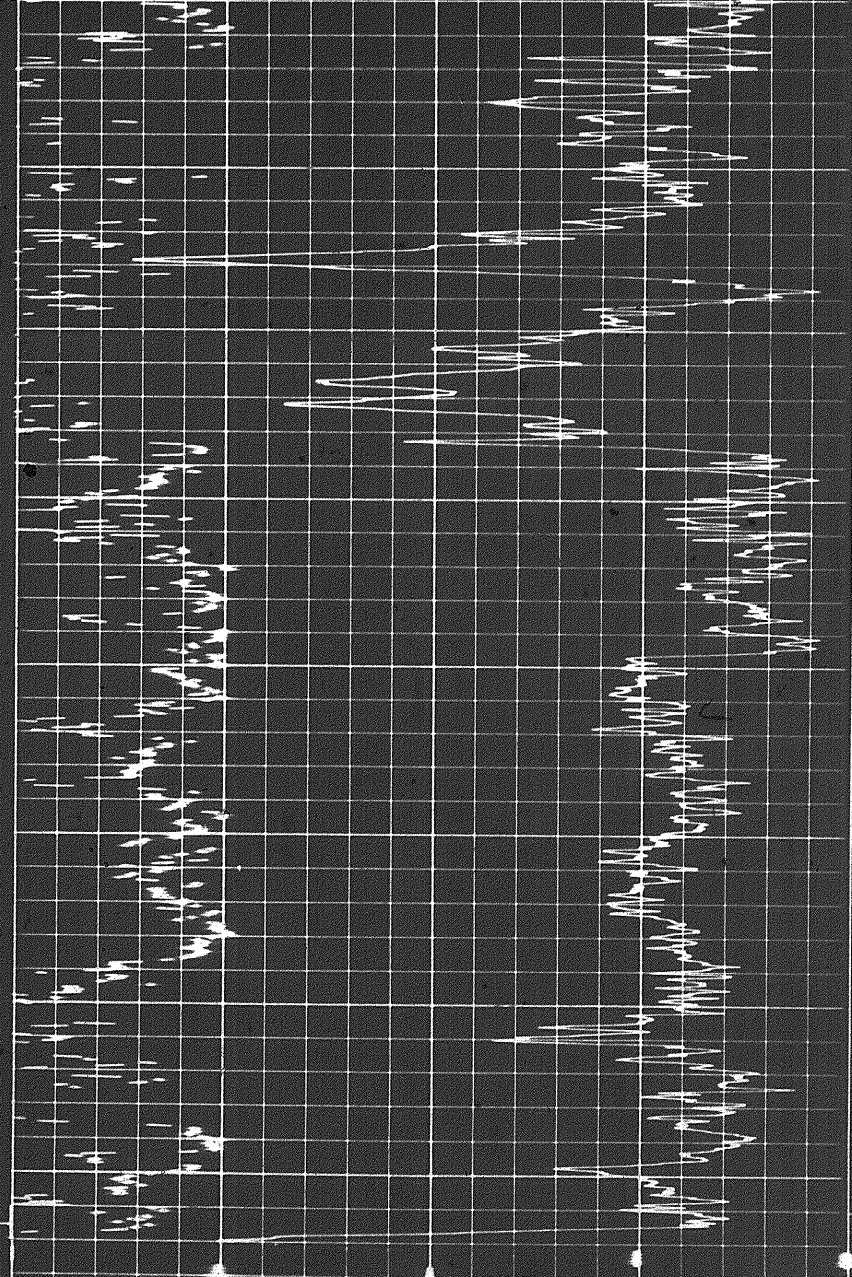
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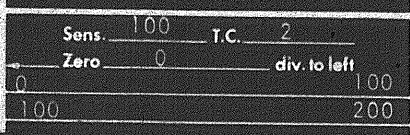




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8500
8600
8700



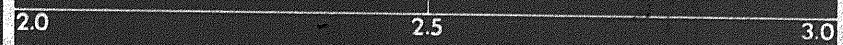
CALIPER
hole diameter in inches



Speed in FPM



DENSITY CORRECTION
 $\Delta\rho$ - gm/cc



GAMMA RAY
API UNITS

DEPTHS

BULK DENSITY
 ρ_b - gm/cc

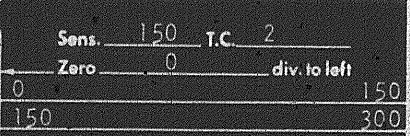
DETAIL LOG
5' = 100'

RUN 1

GAMMA RAY
API UNITS

DEPTHS

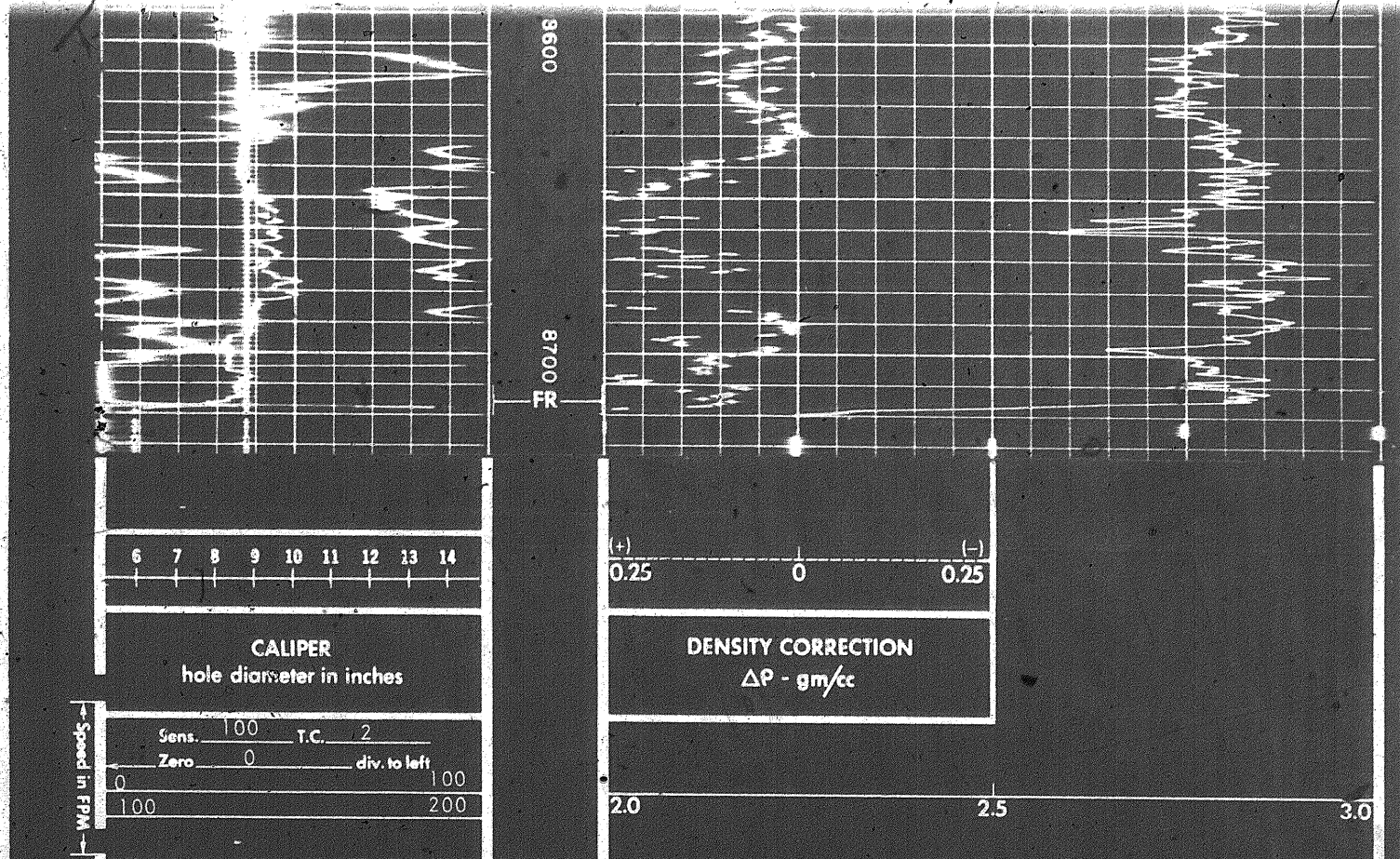
BULK DENSITY
 ρ_b - gm/cc



Speed in FPM



GAMMA RAY API UNITS		DEPTHS	BULK DENSITY ρ_b - gm/cc	
Sens. 150 T.C. 2 Zero 0 div. to left			2.0 2.5 3.0	
CALIPER hole diameter in inches			DENSITY CORRECTION $\Delta\rho$ - gm/cc	
Speed in FPM 0 150 300				



6 7 8 9 10 11 12 13 14

(+) 0.25 0 (-) 0.25

2.0 2.5 3.0

CALIPER
hole diameter in inches

DENSITY CORRECTION
 $\Delta\rho$ - gm/cc

Sens. 100 T.C. 2
Zero 0 div. to left

0 100 200

Speed in FPM

GAMMA RAY API UNITS		DEPTHS	BULK DENSITY ρ_b - gm/cc	
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DETAIL LOG
5' = 100' RUN 1

GAMMA RAY API UNITS		DEPTHS	BULK DENSITY ρ_b - gm/cc	
------------------------	--	--------	----------------------------------	--

Sens. 150 T.C. 2
Zero 0 div. to left

0 150 300

Speed in FPM

2.0 2.5 3.0

CALIPER
hole diameter in inches

DENSITY CORRECTION
 $\Delta\rho$ - gm/cc

7 8 9 10 11 12 13 14 15

0.25 0 0.25
(+) (-)

CALIPER
hole diameter in inches

7 8 9 10 11 12 13 14 15

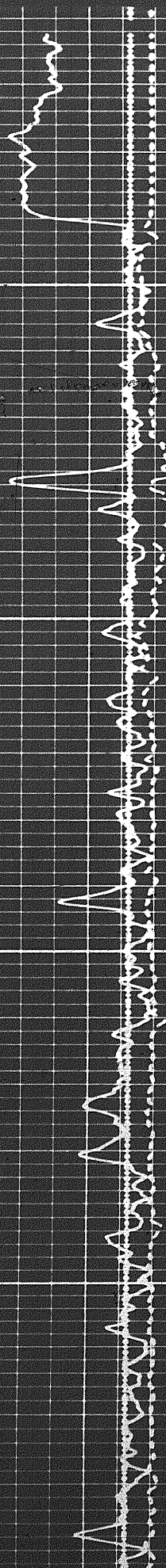
DENSITY CORRECTION

$\Delta\rho$ - gm/cc

0.25
(-)

0

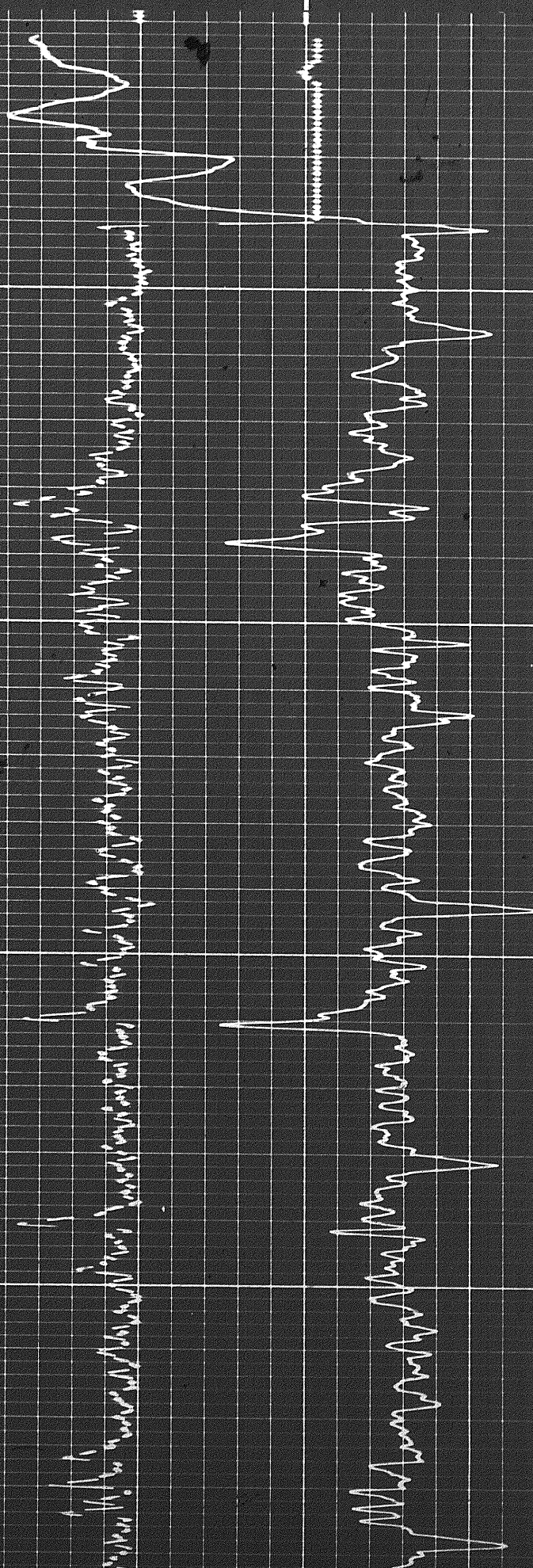
0.25
(-)

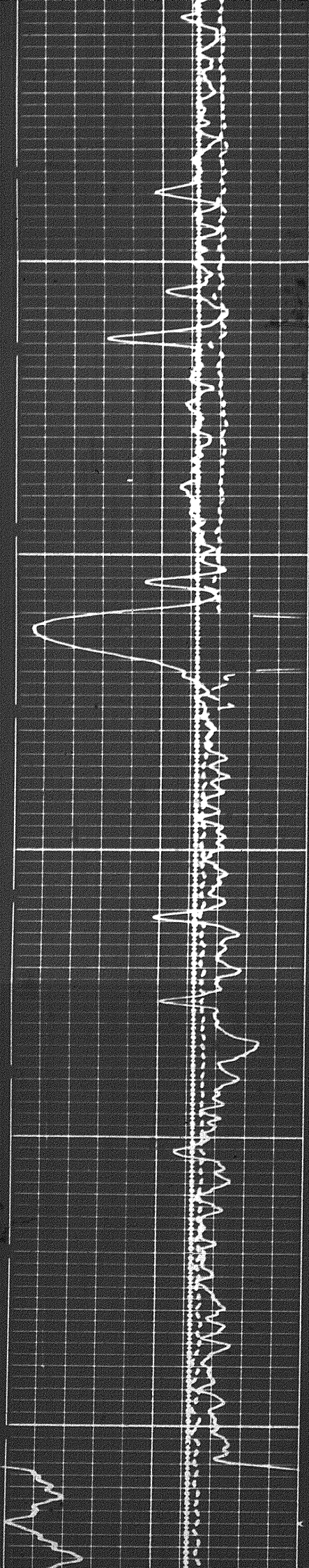


Casing

0001

0011

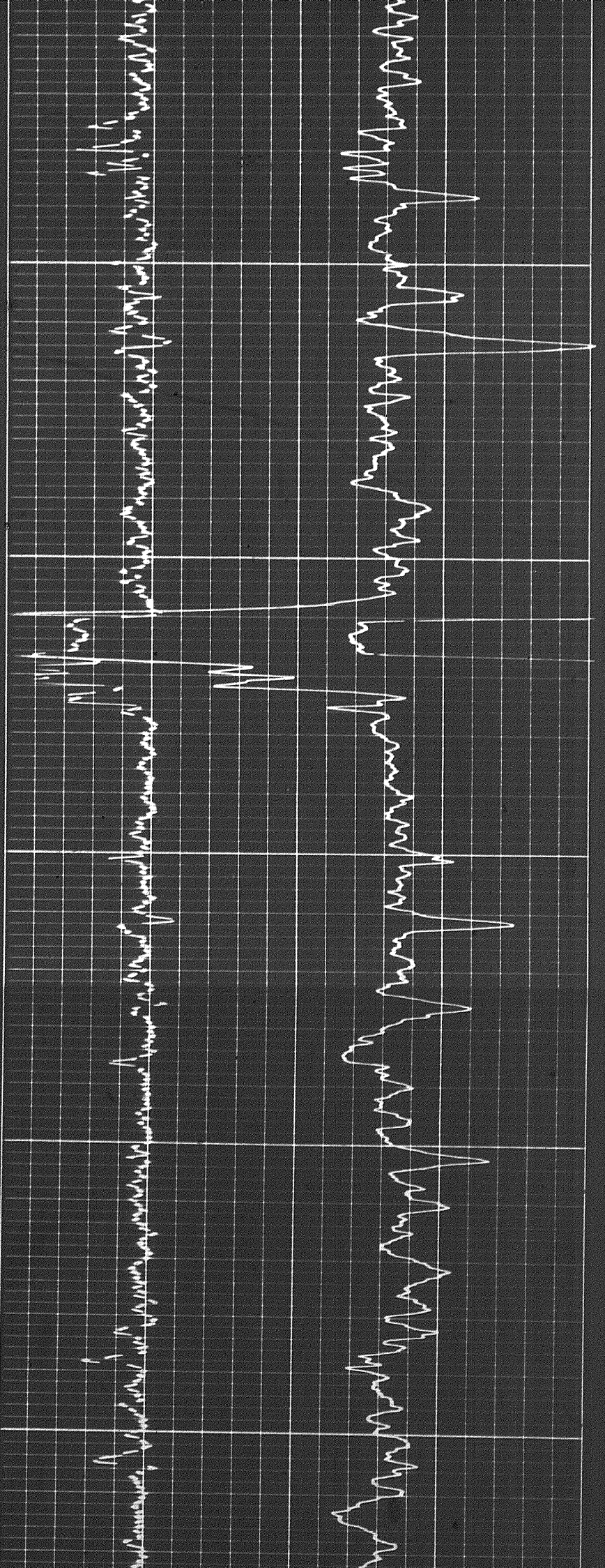


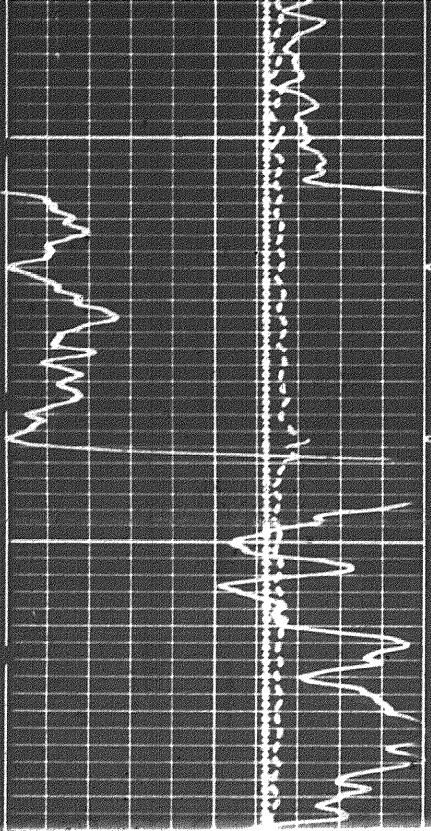


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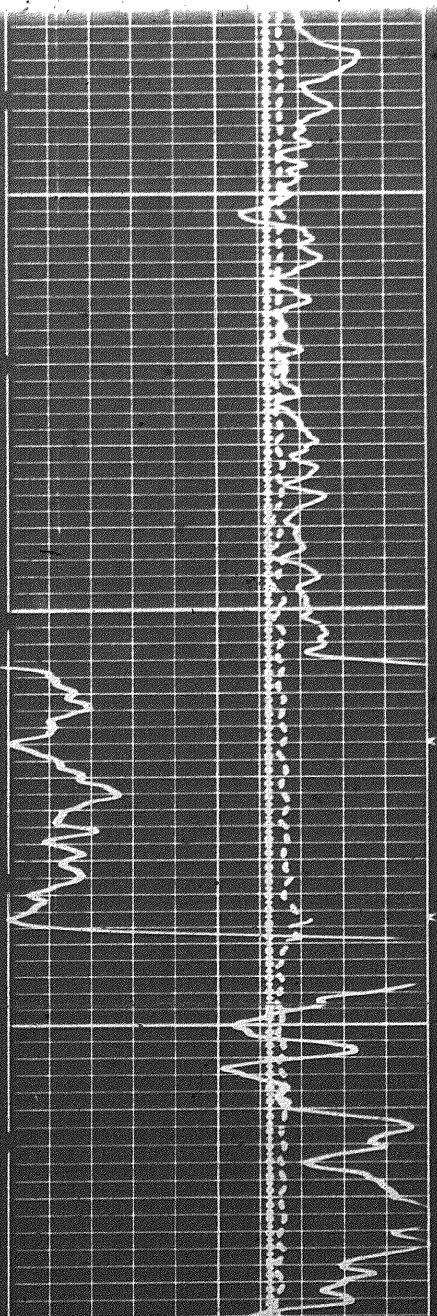
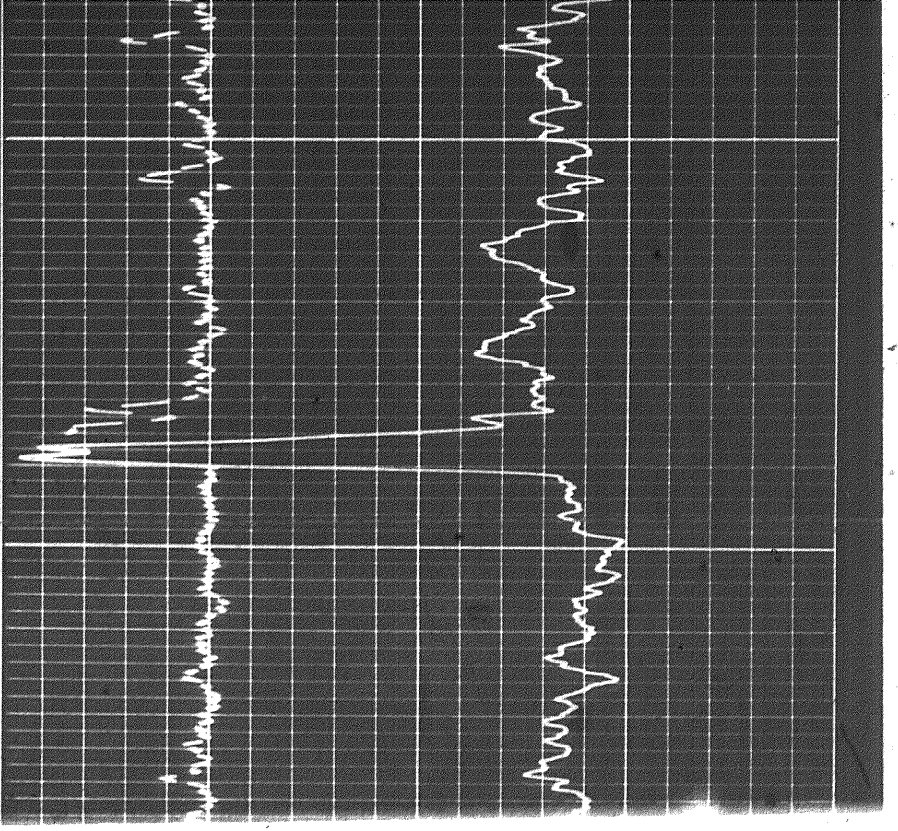
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14:00

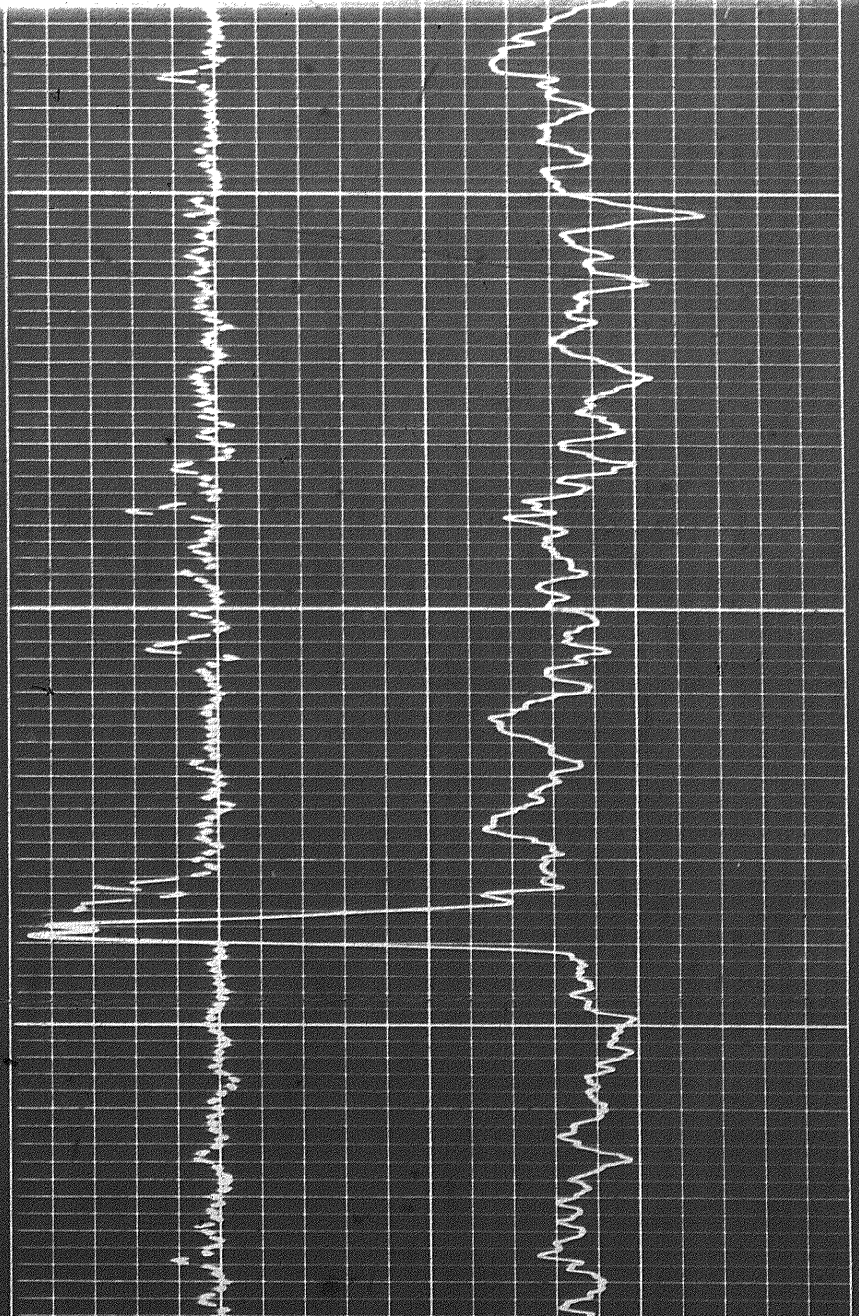




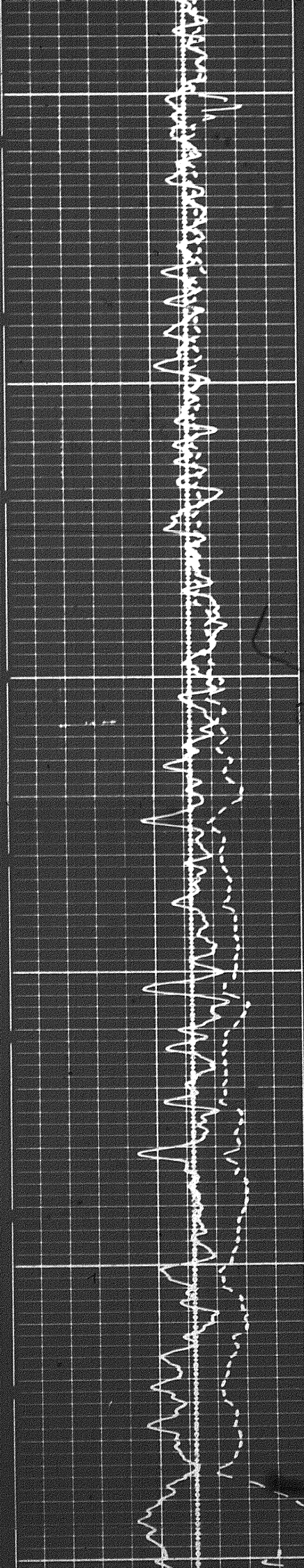
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1400



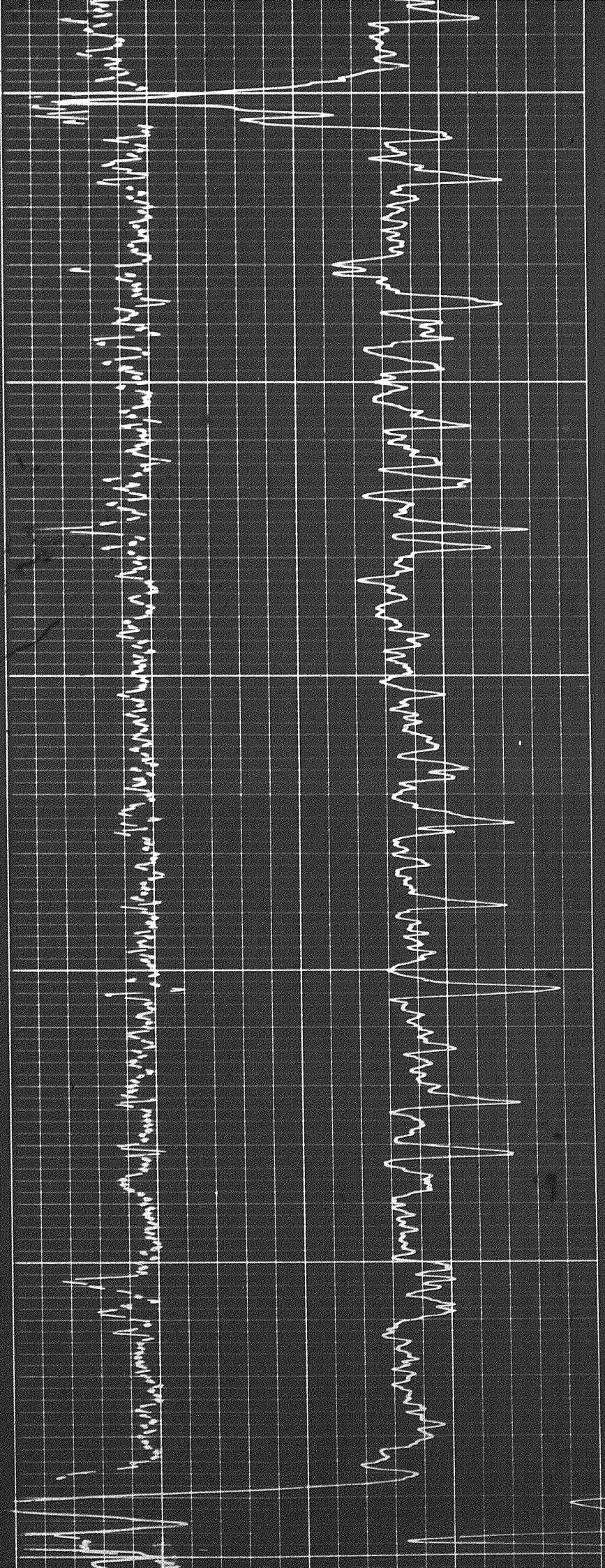
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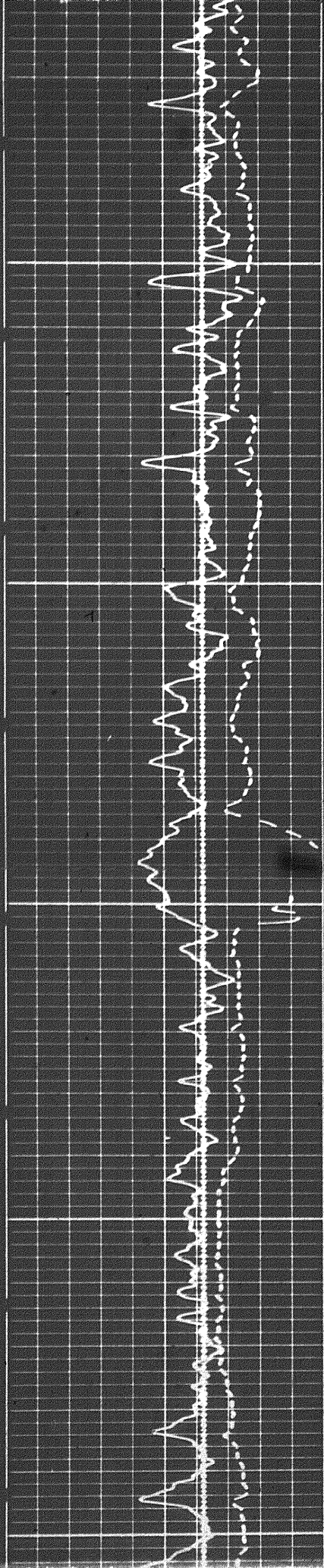


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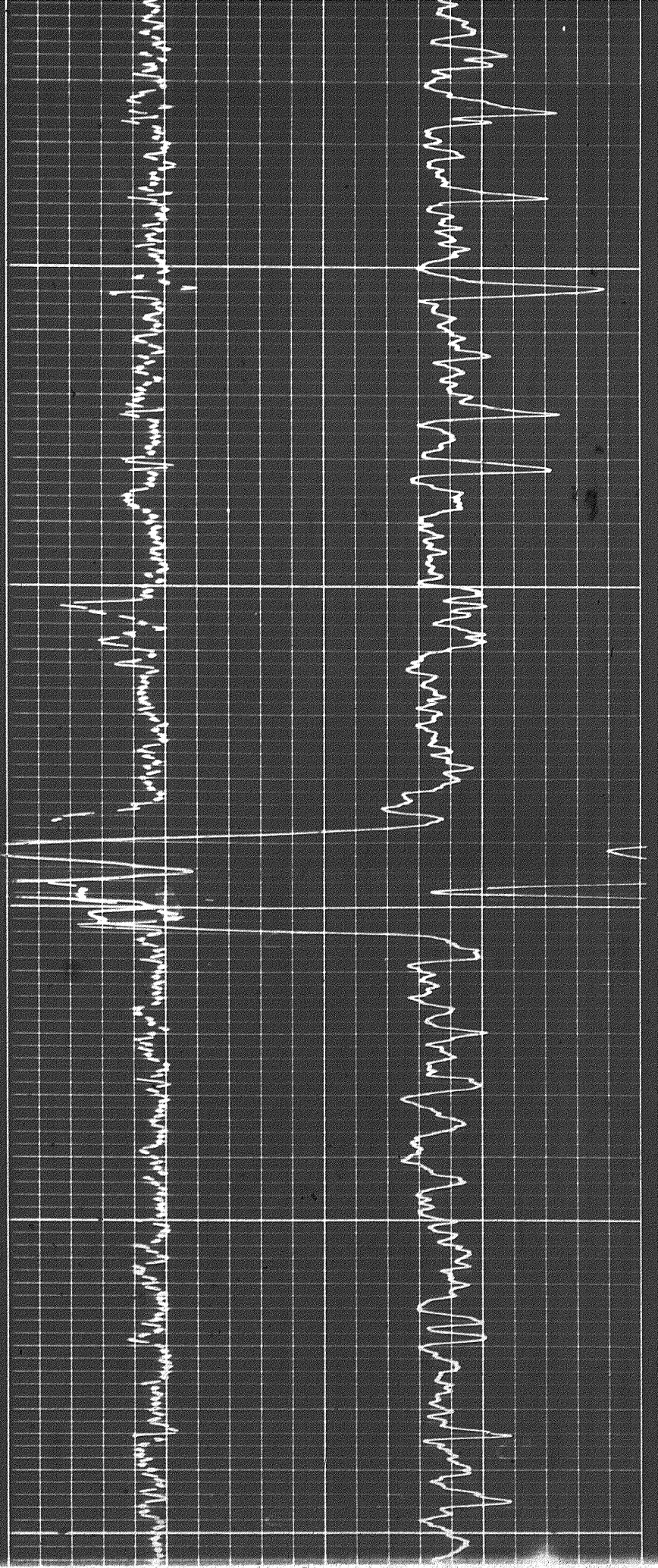
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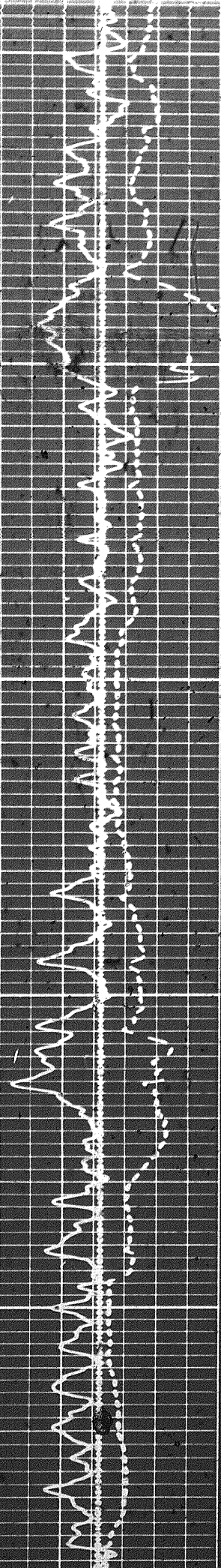




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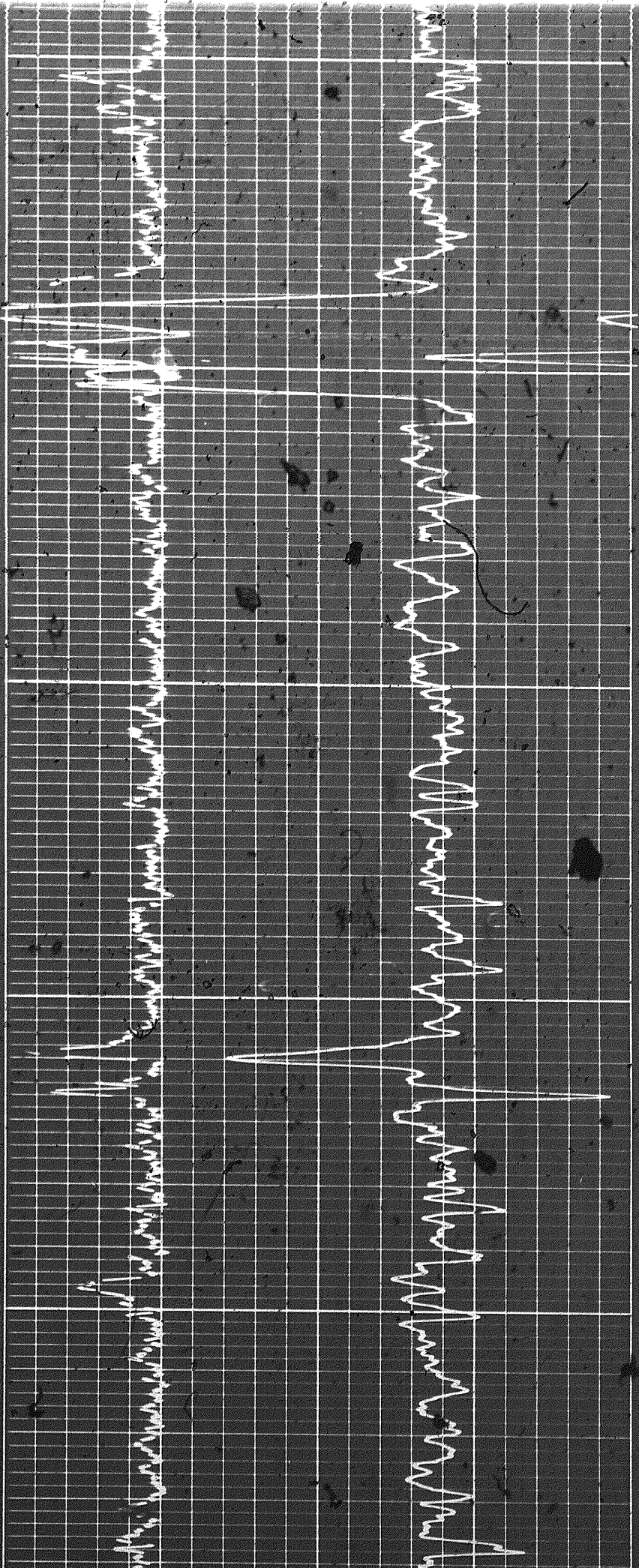


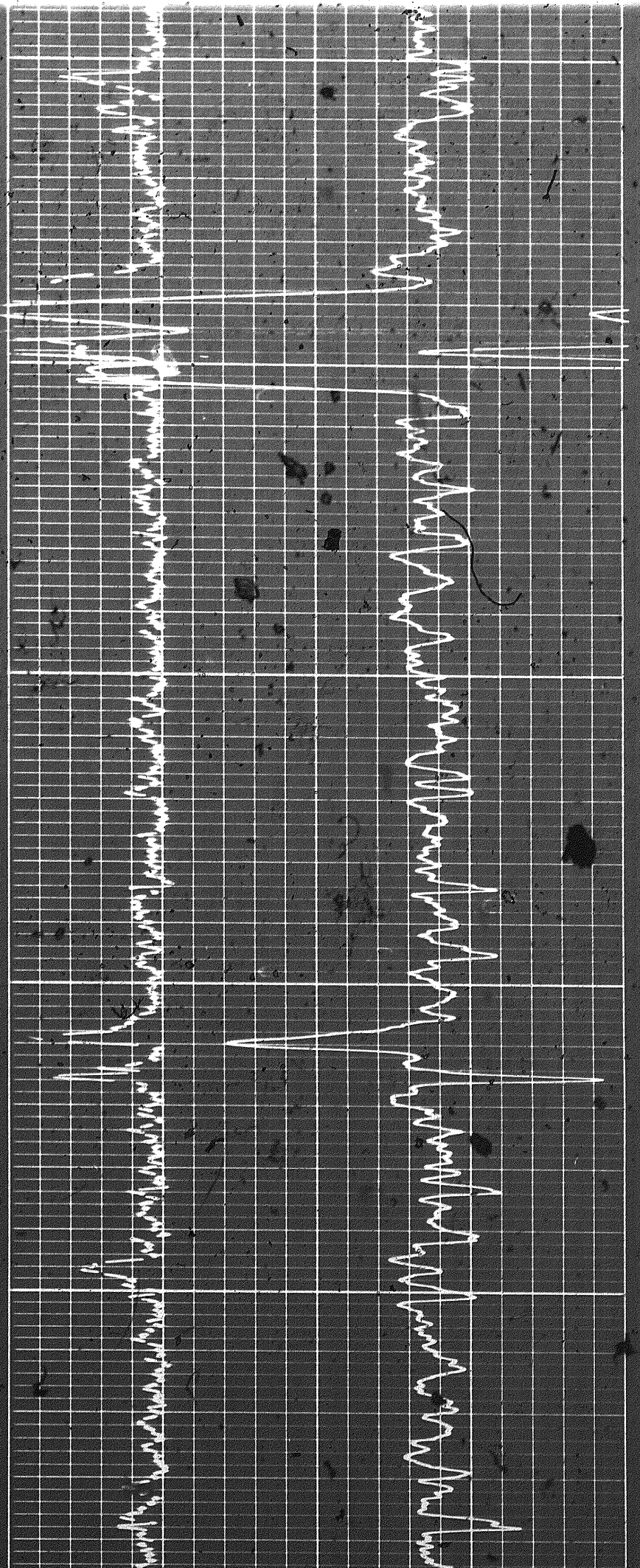


1800

2000

2100

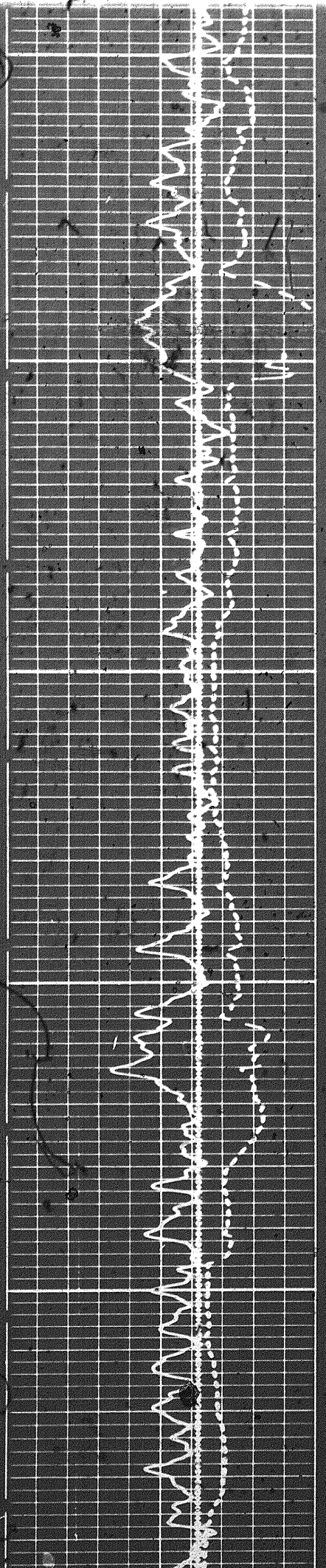


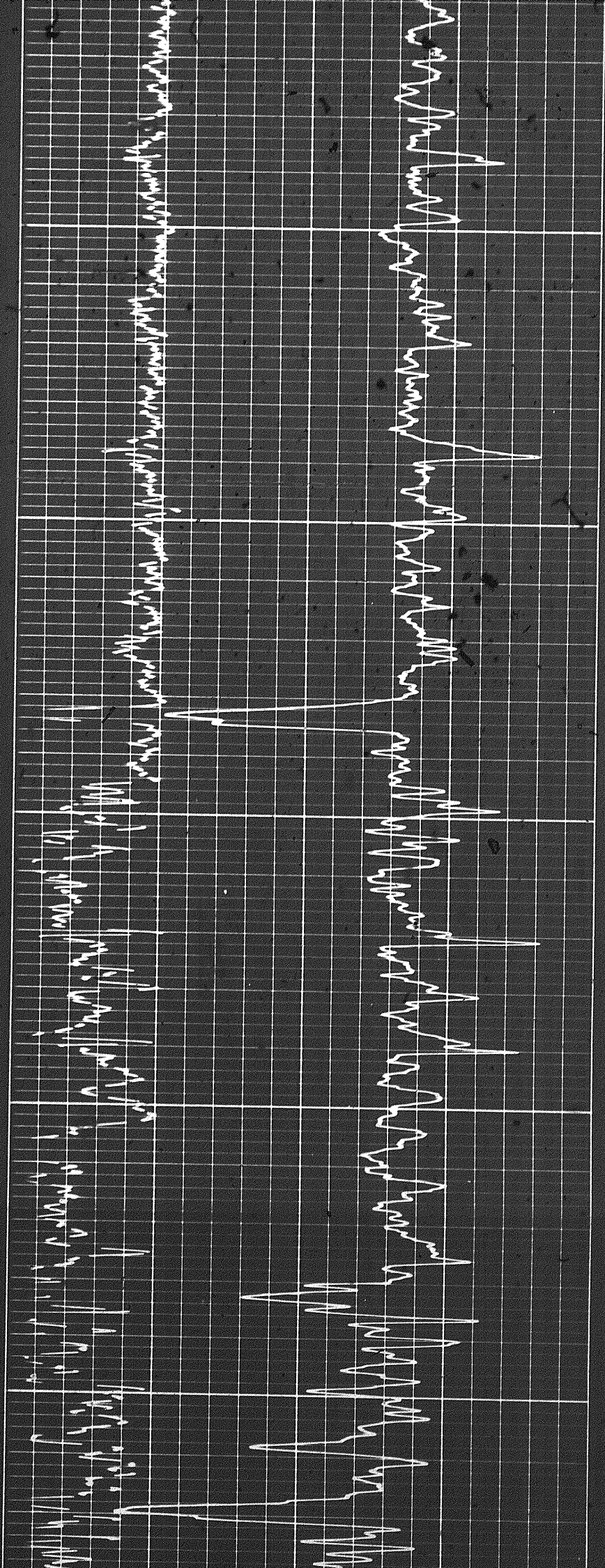


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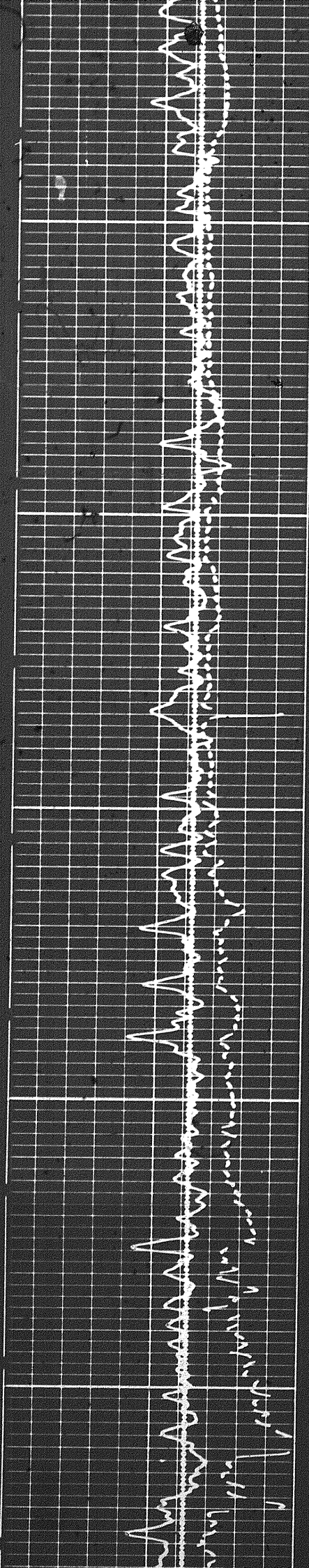
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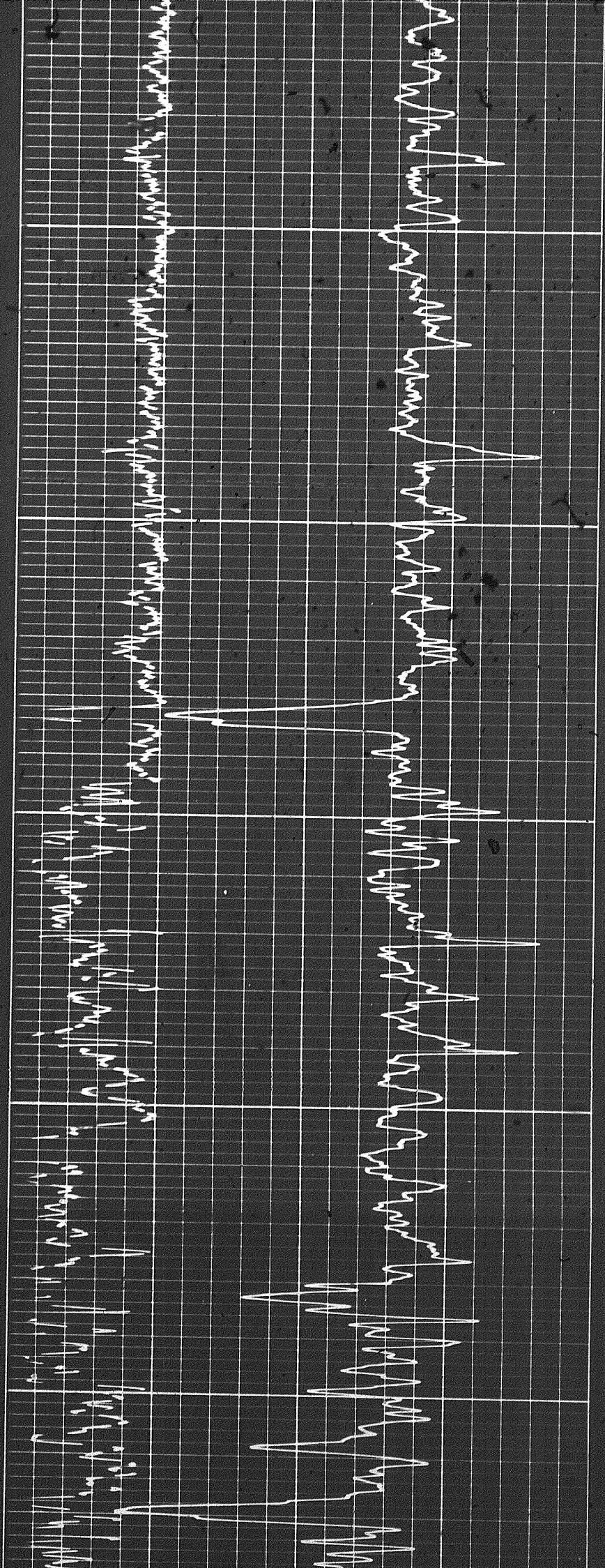




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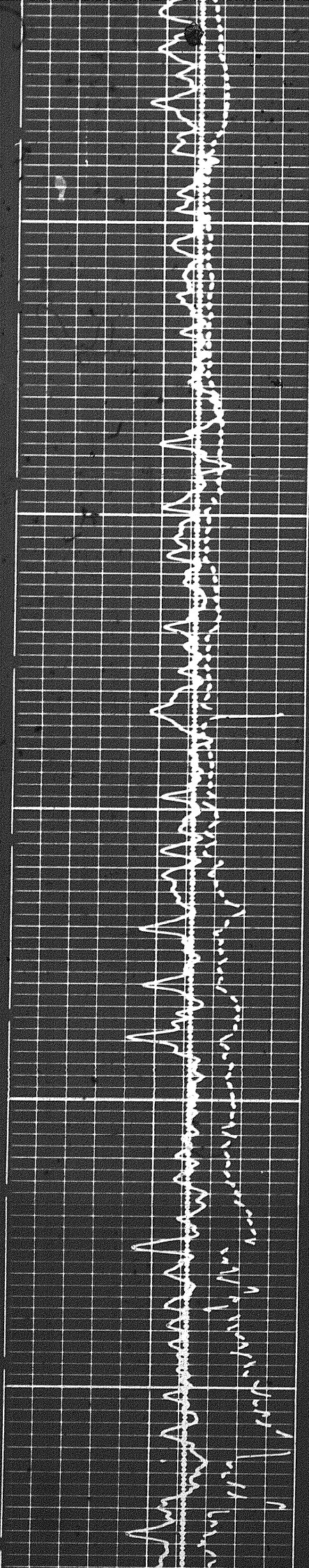


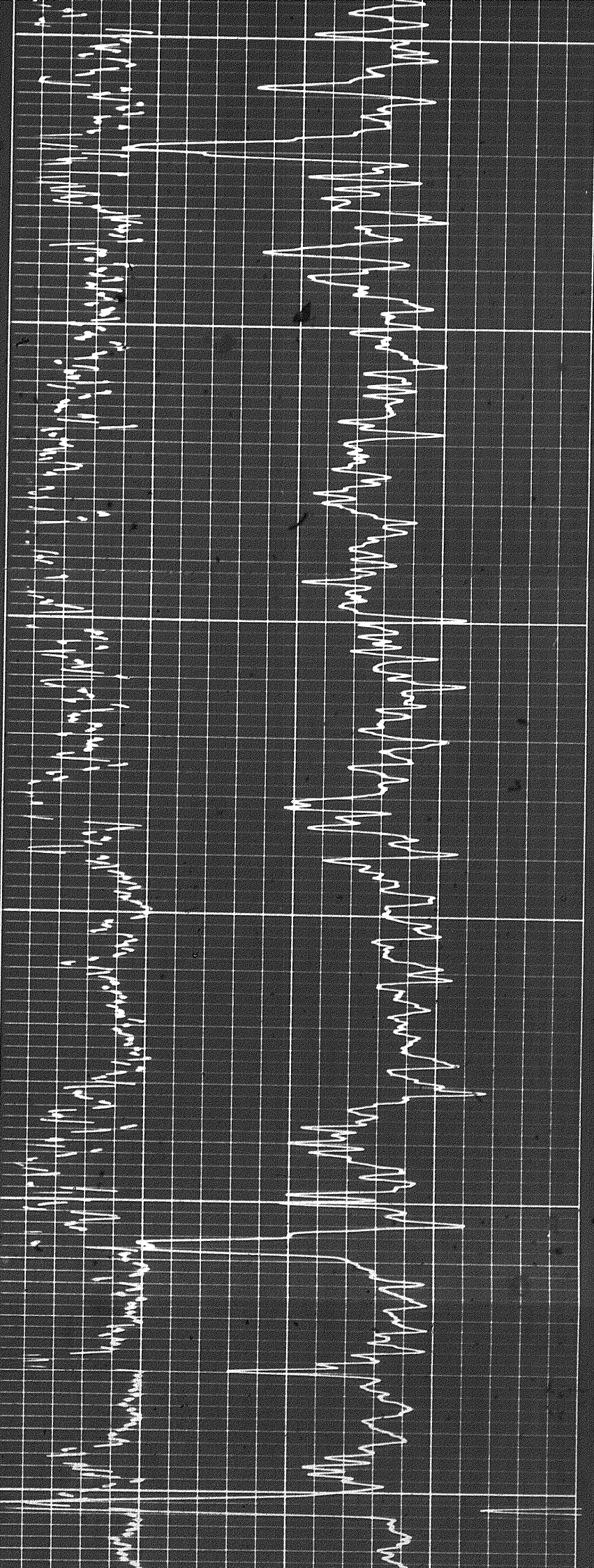
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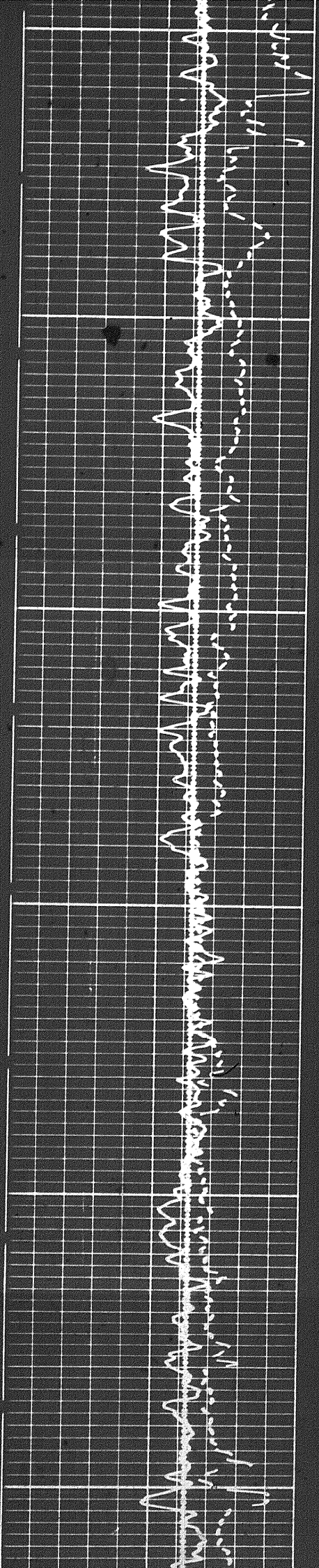
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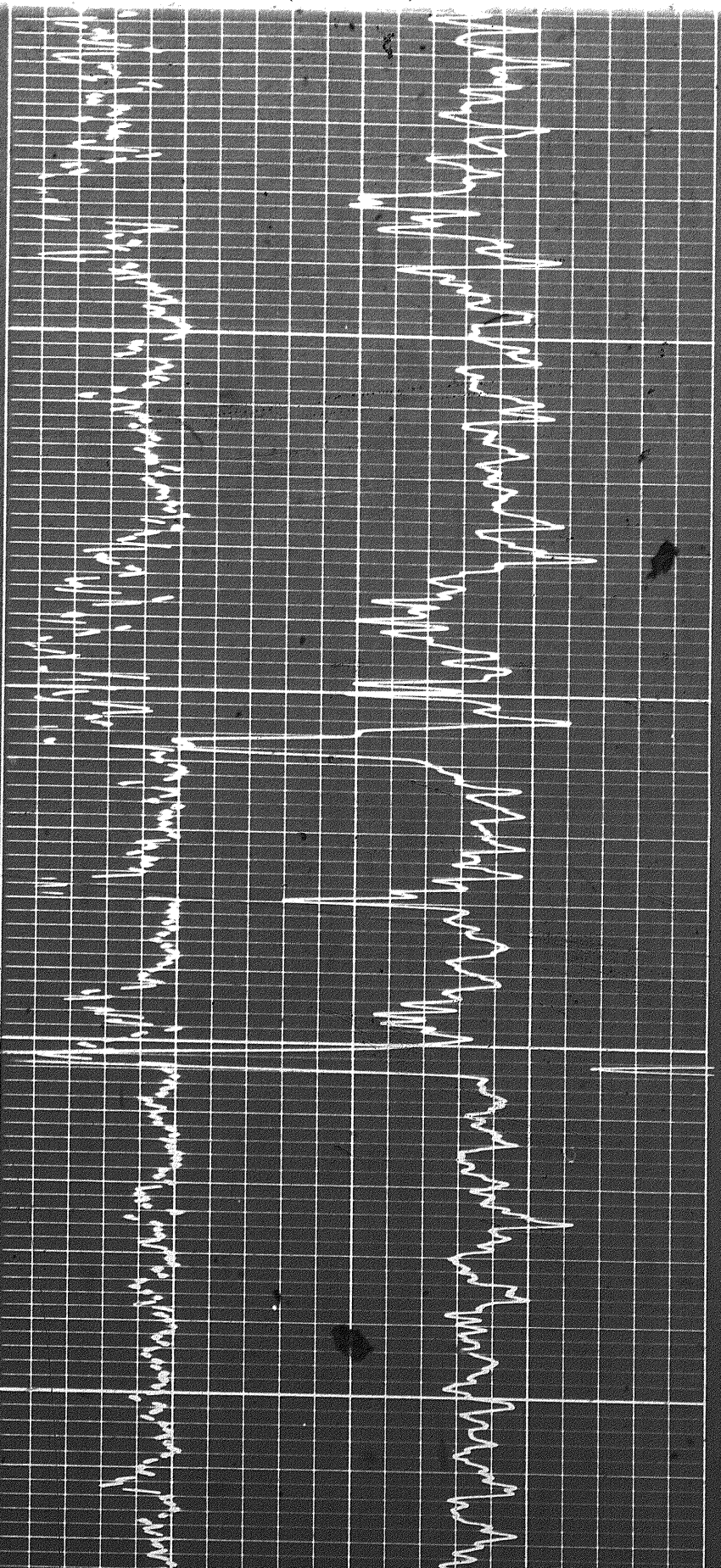


2400

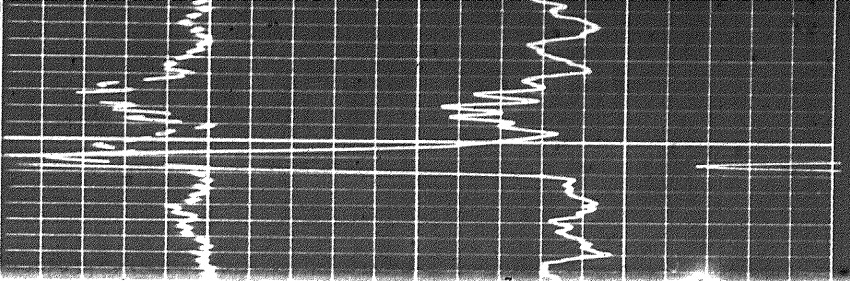
2500



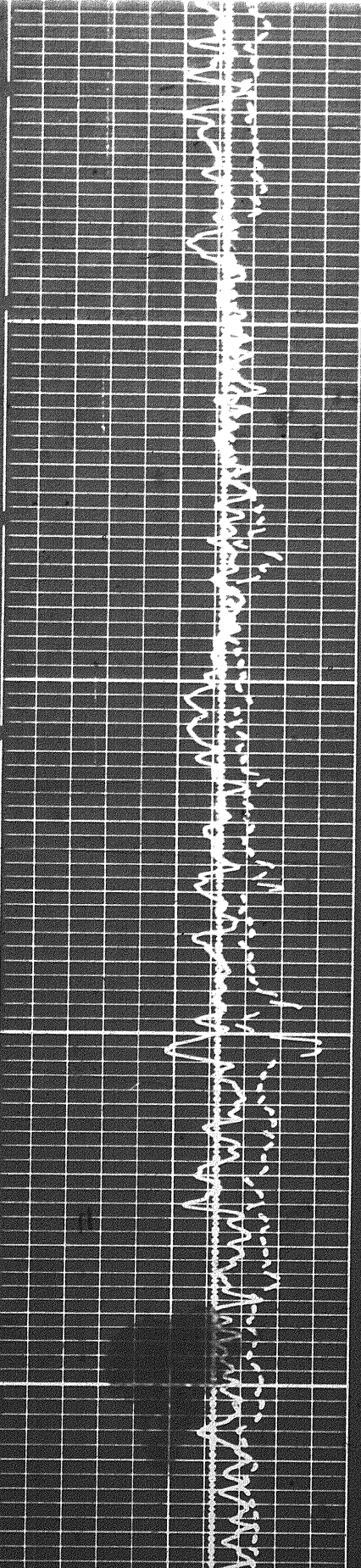
2600



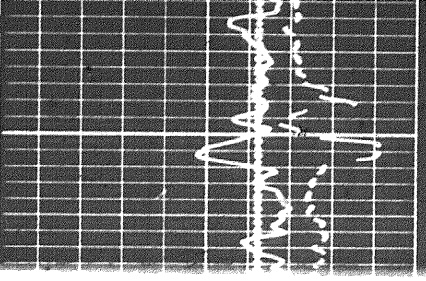
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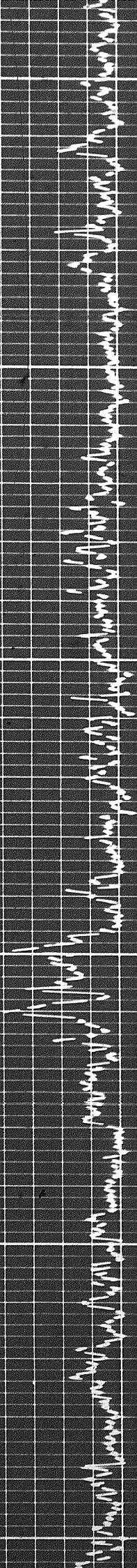
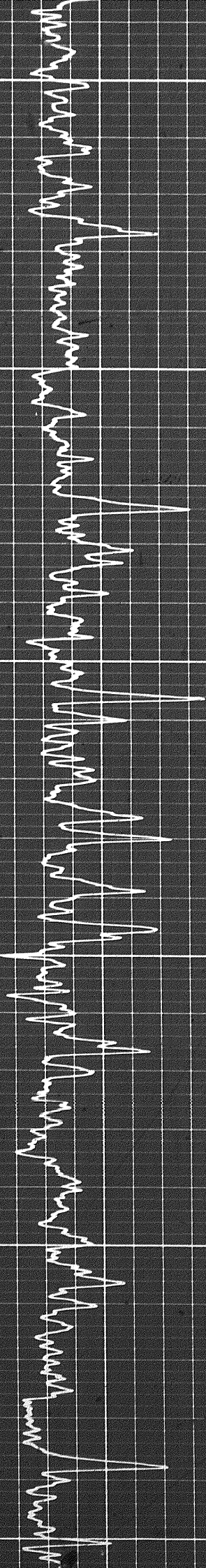


2600



2600

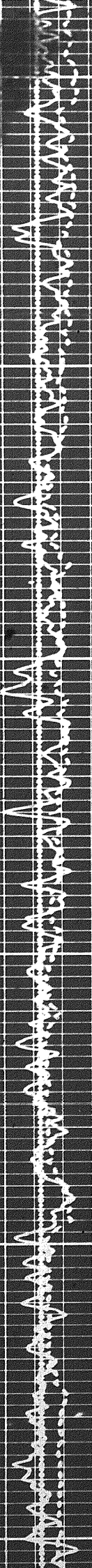




2700

2800

2900

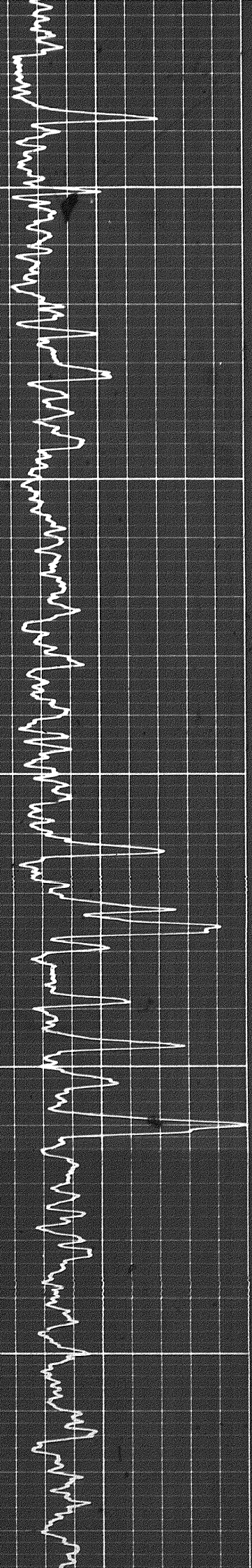
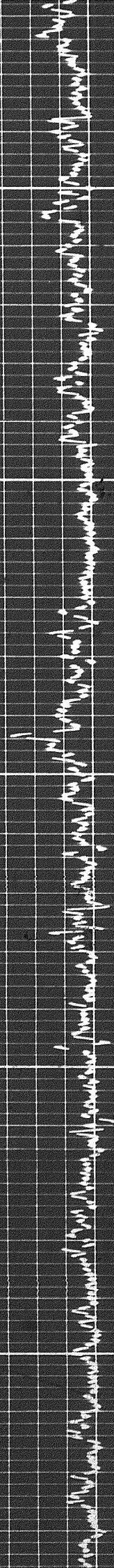


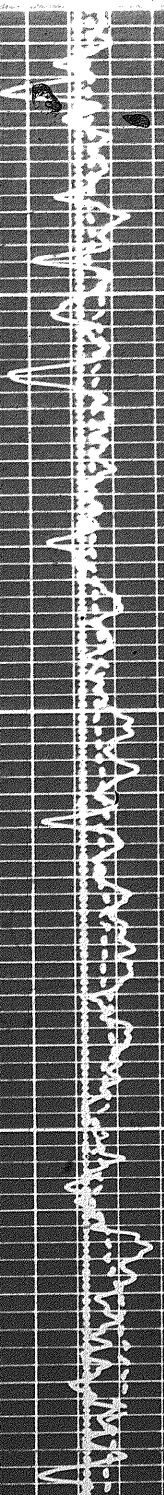


2900

3000

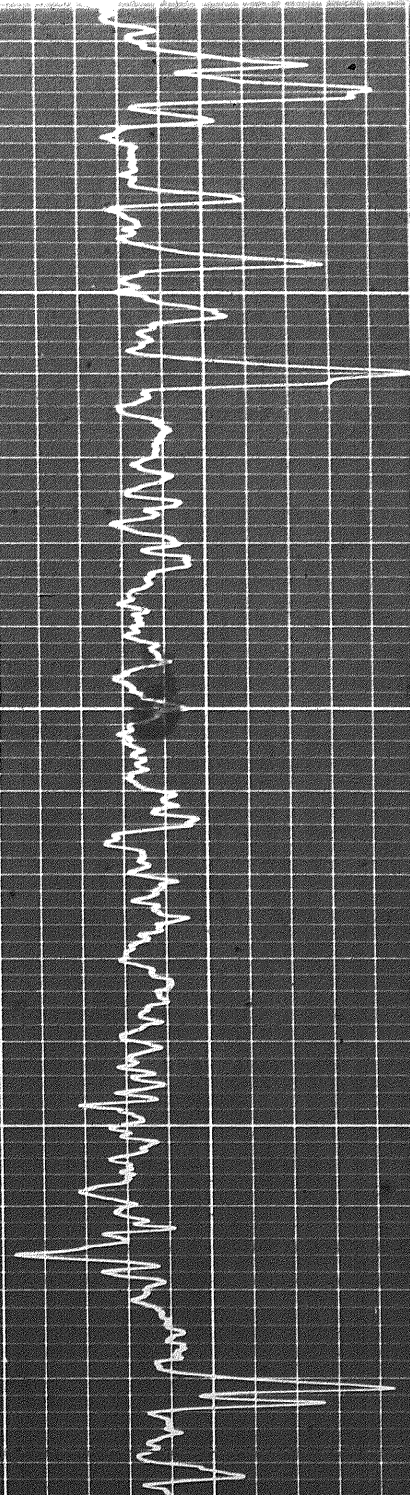
3100



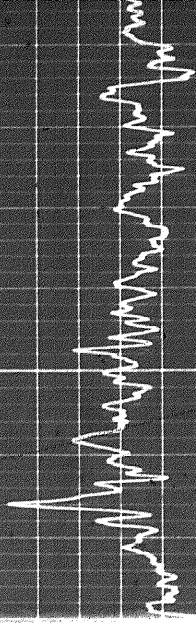


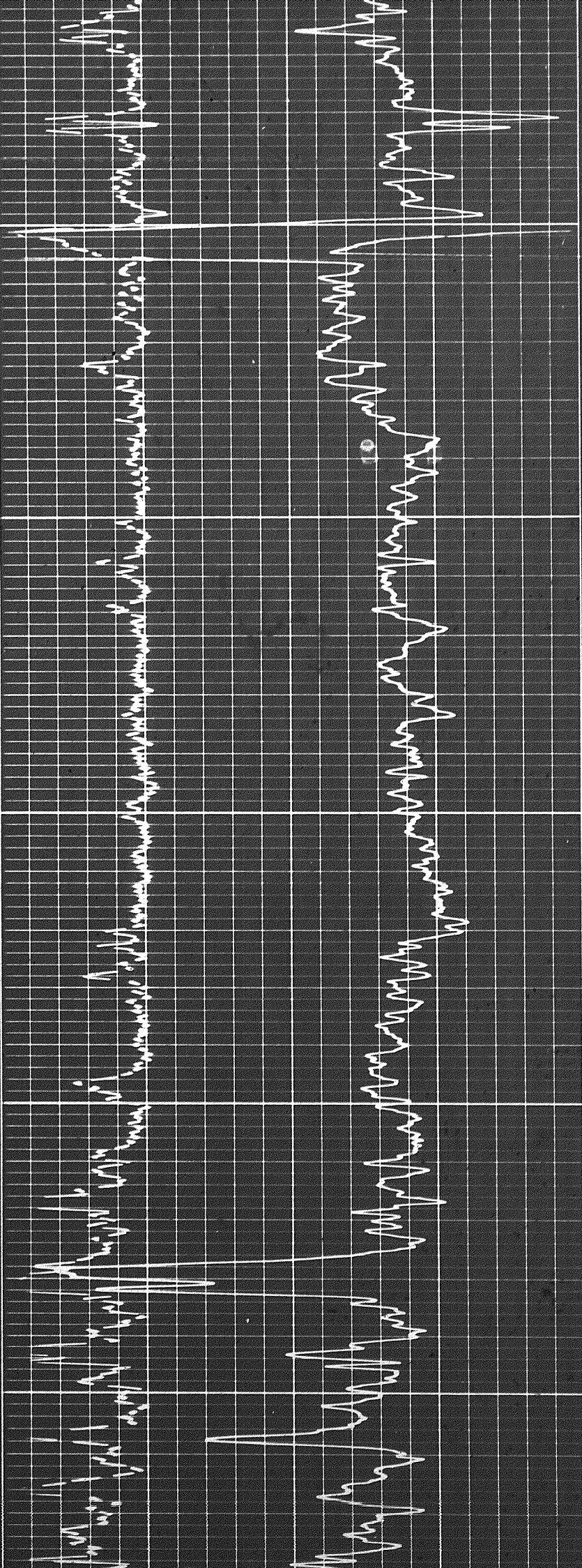
0016

ECG tracing on grid paper, showing a regular rhythm with narrow QRS complexes.



ECG tracing on grid paper, showing a regular rhythm with narrow QRS complexes.

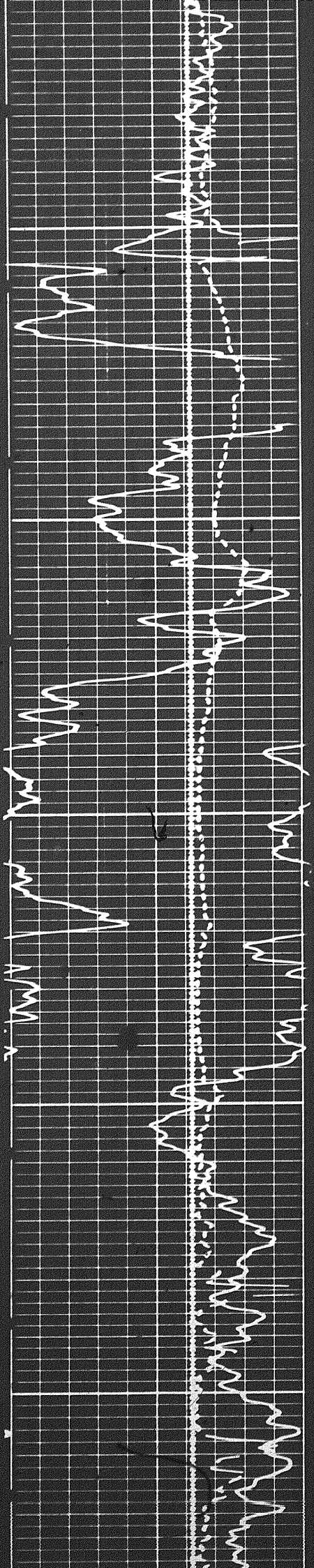




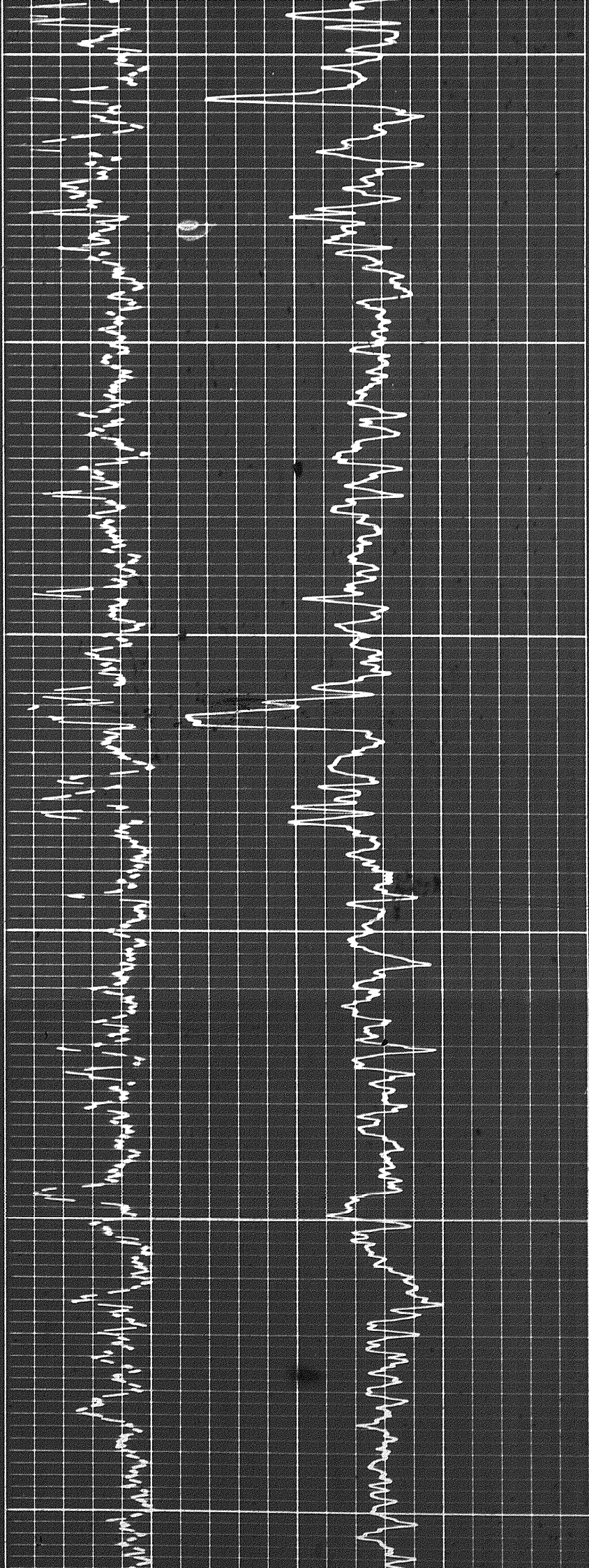
3200

3300

3400



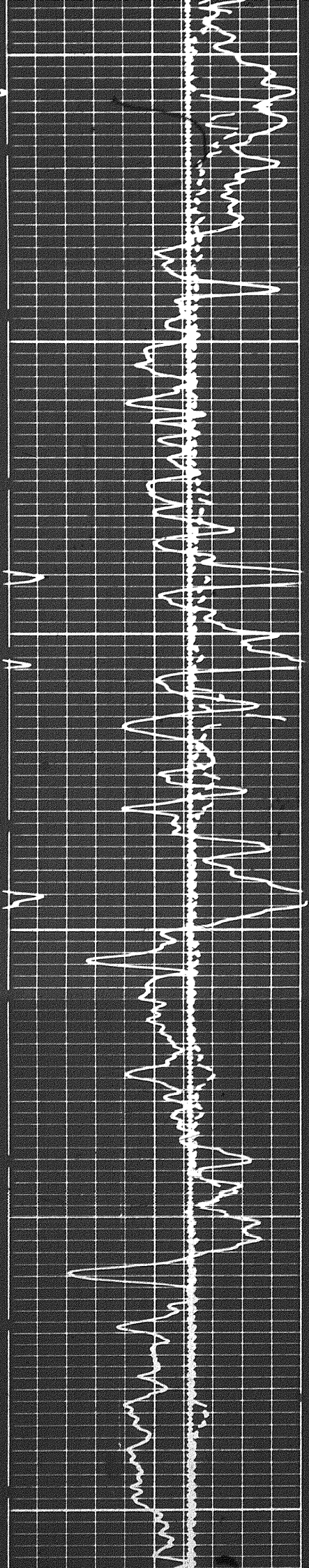
118

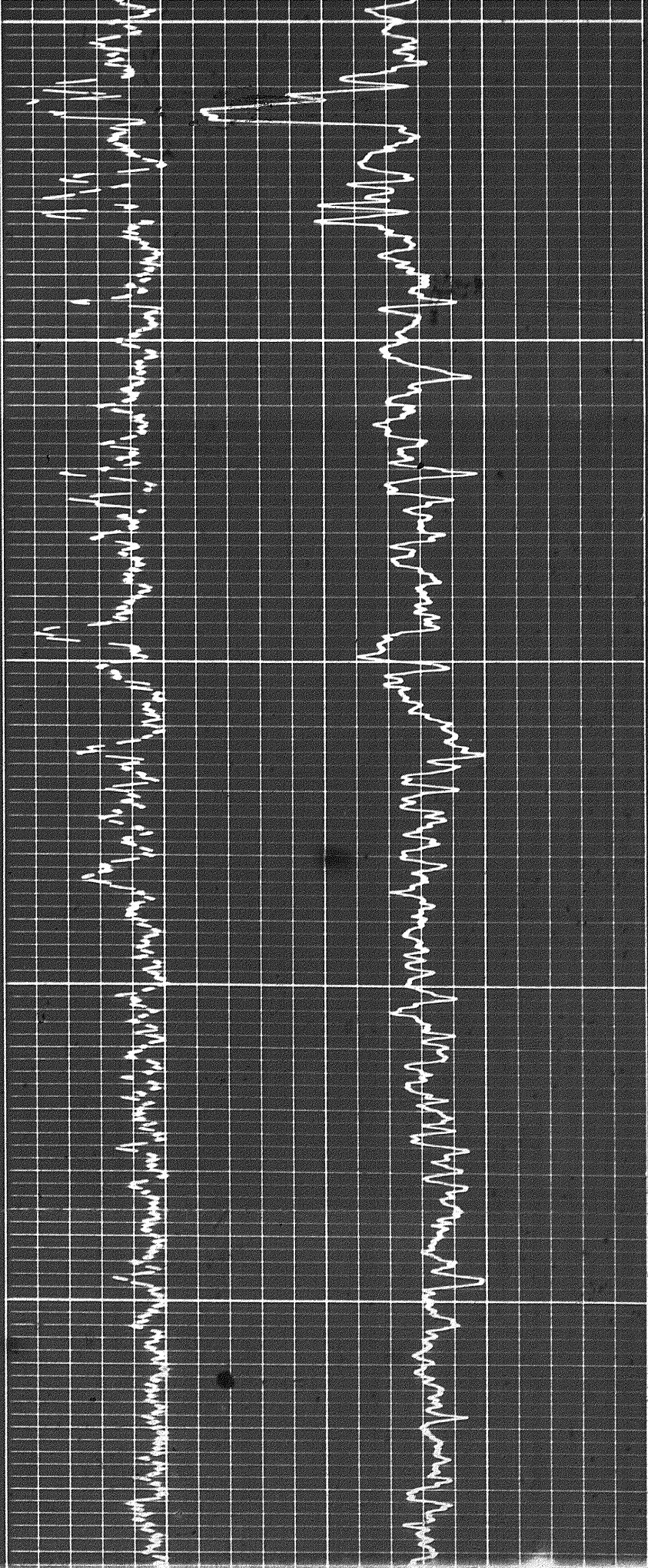
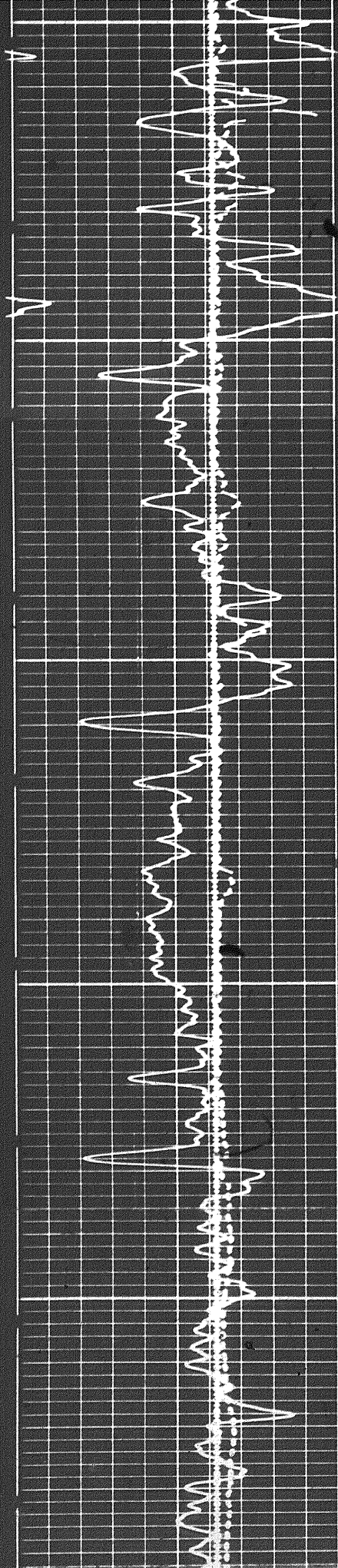


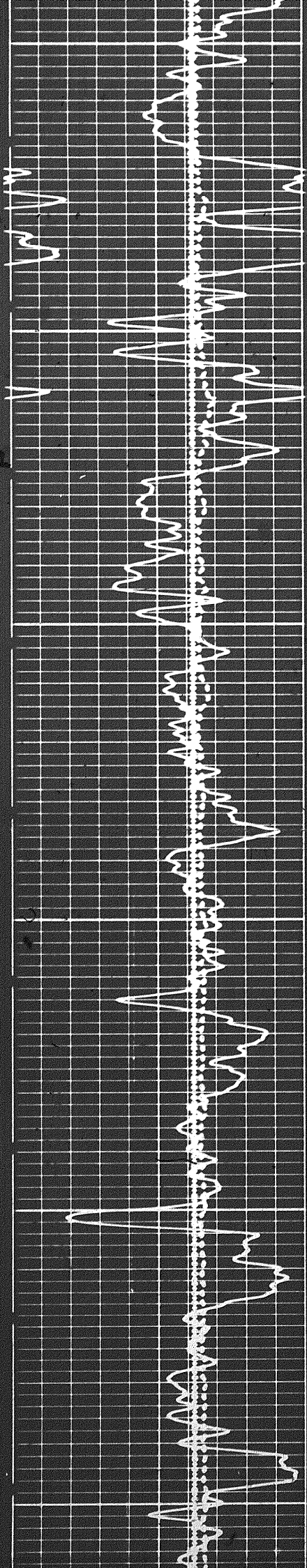
3400

3500

3600



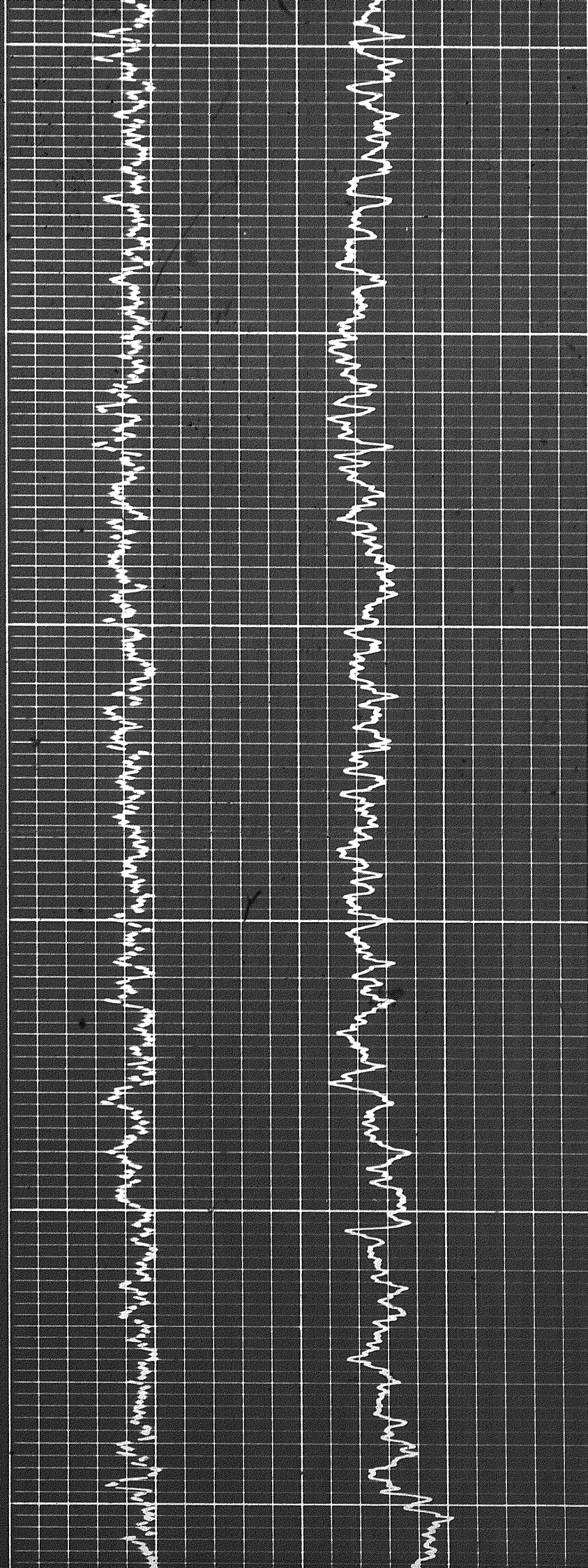




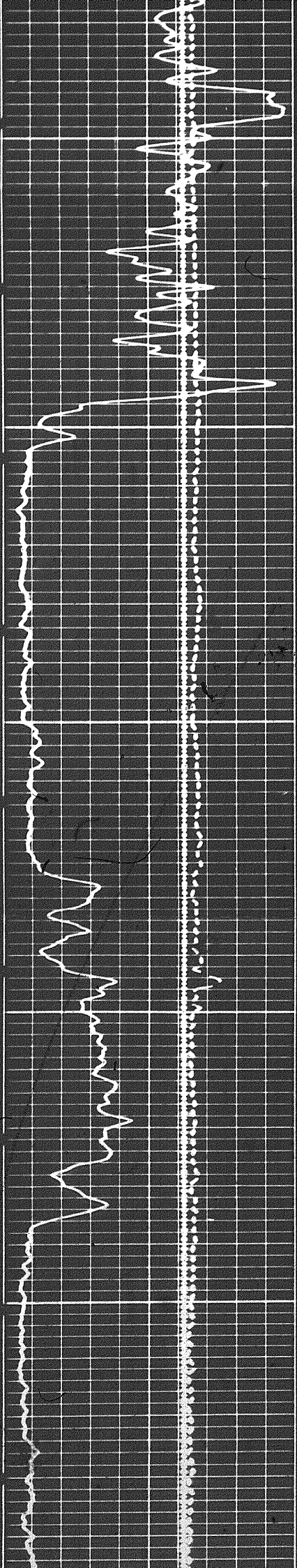
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3900

4000

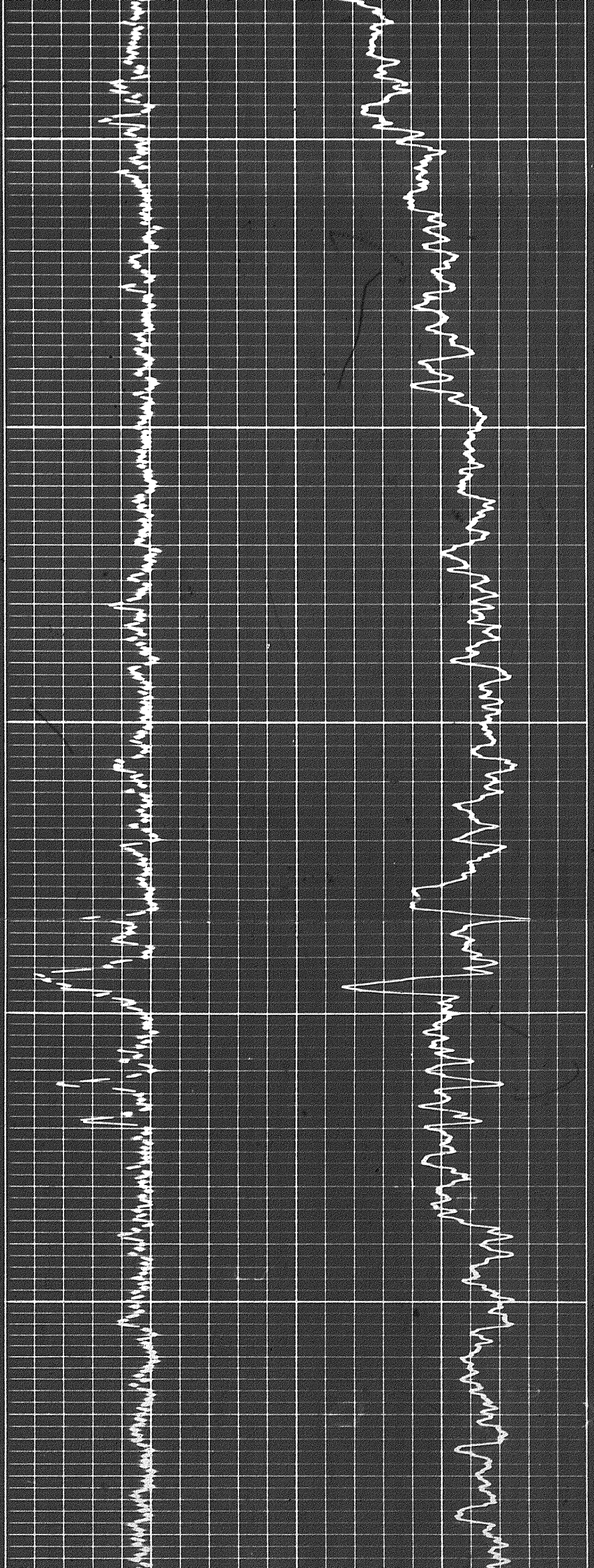


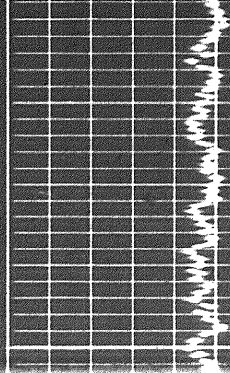
B



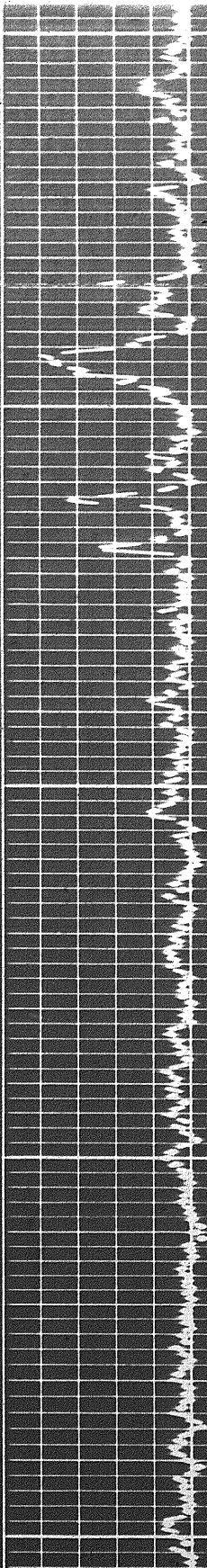
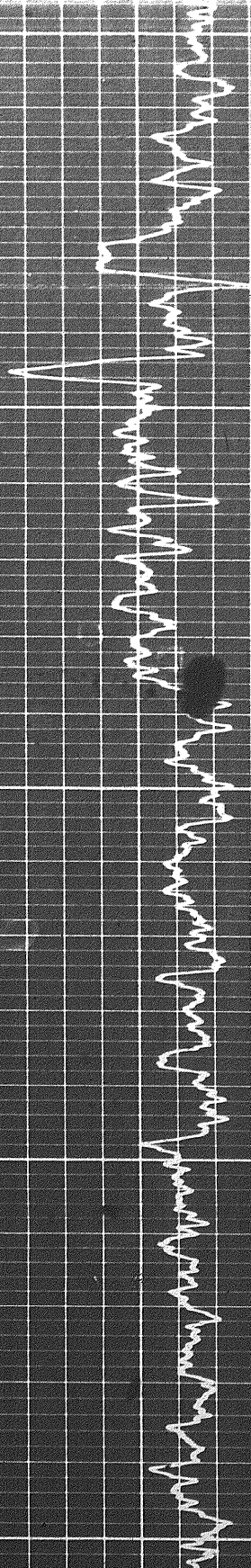
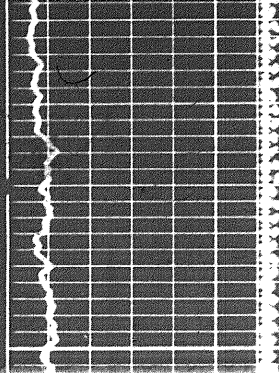
4100

4200



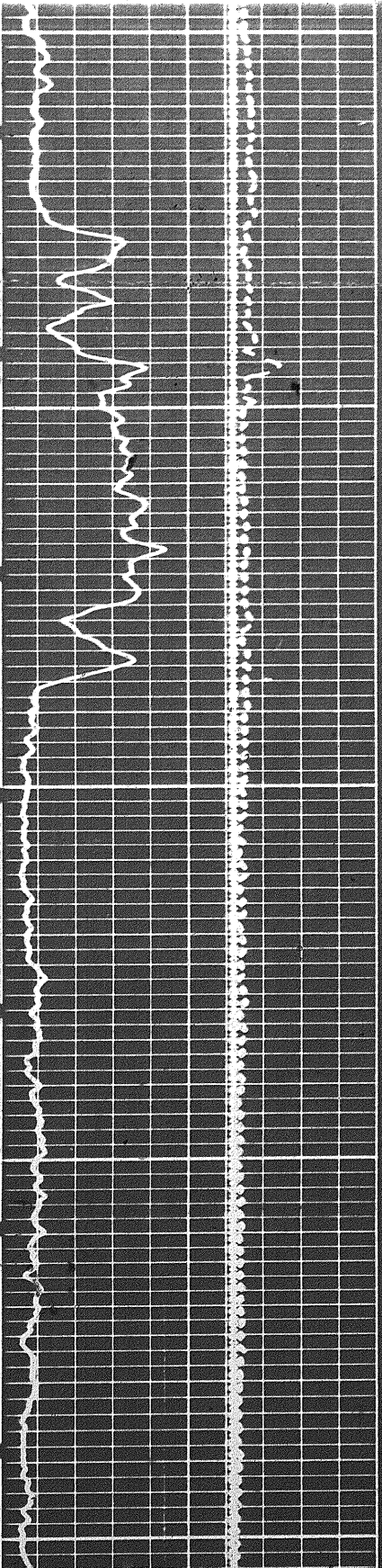


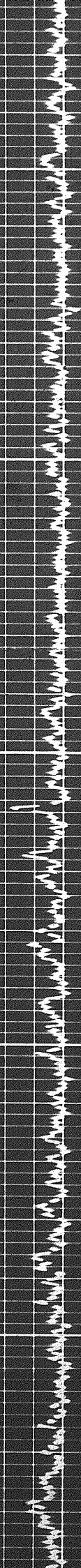
4300



4200

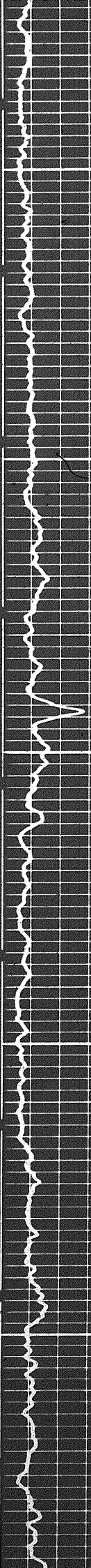
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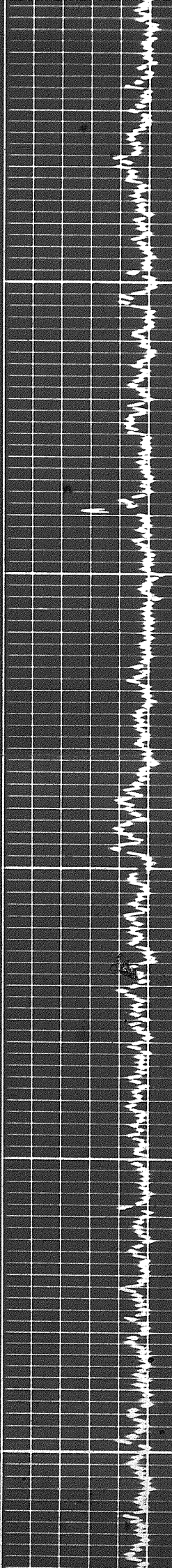
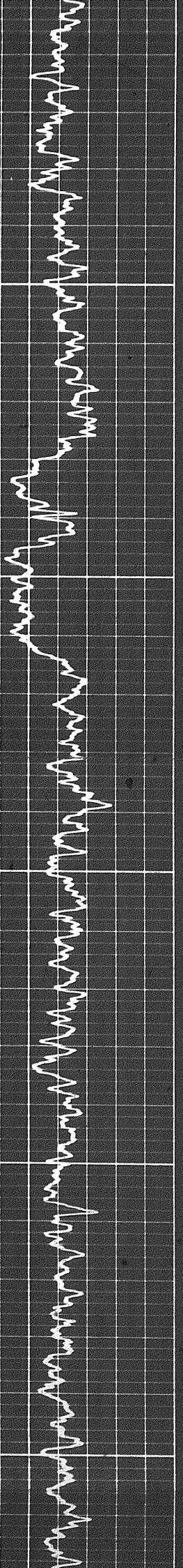




4400

4500

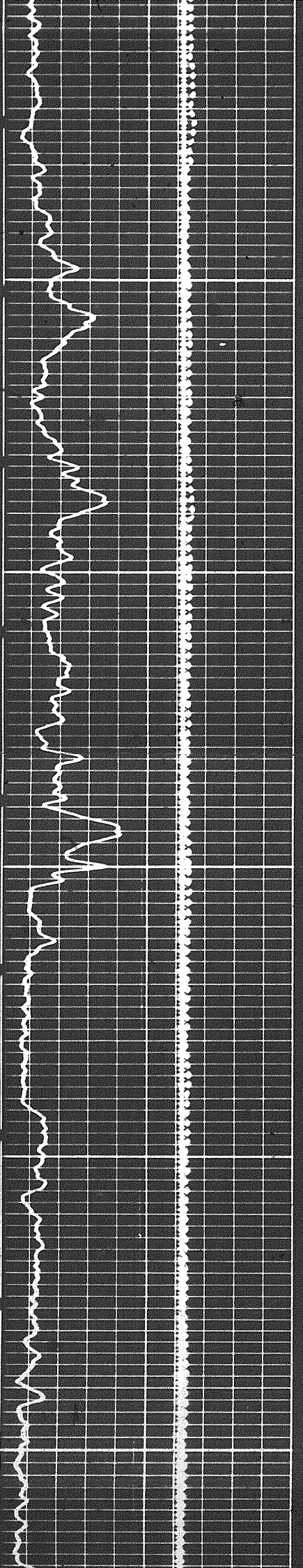


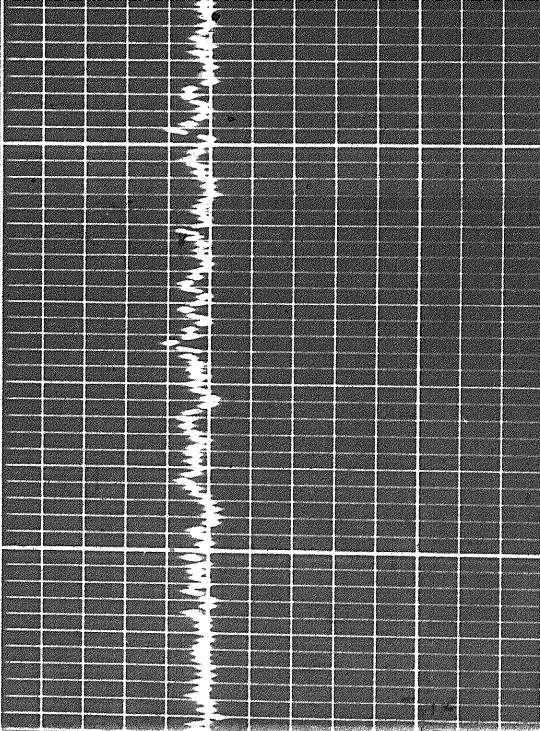
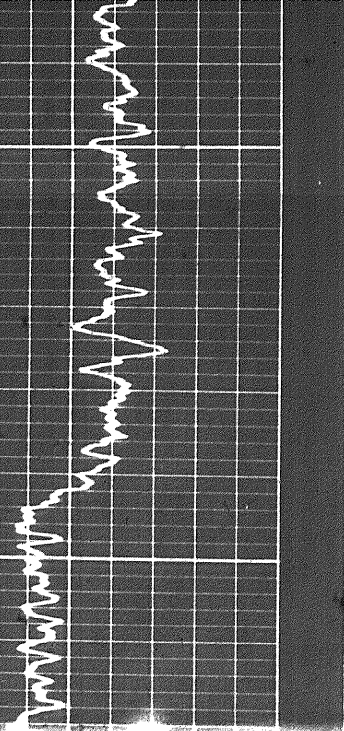


4600

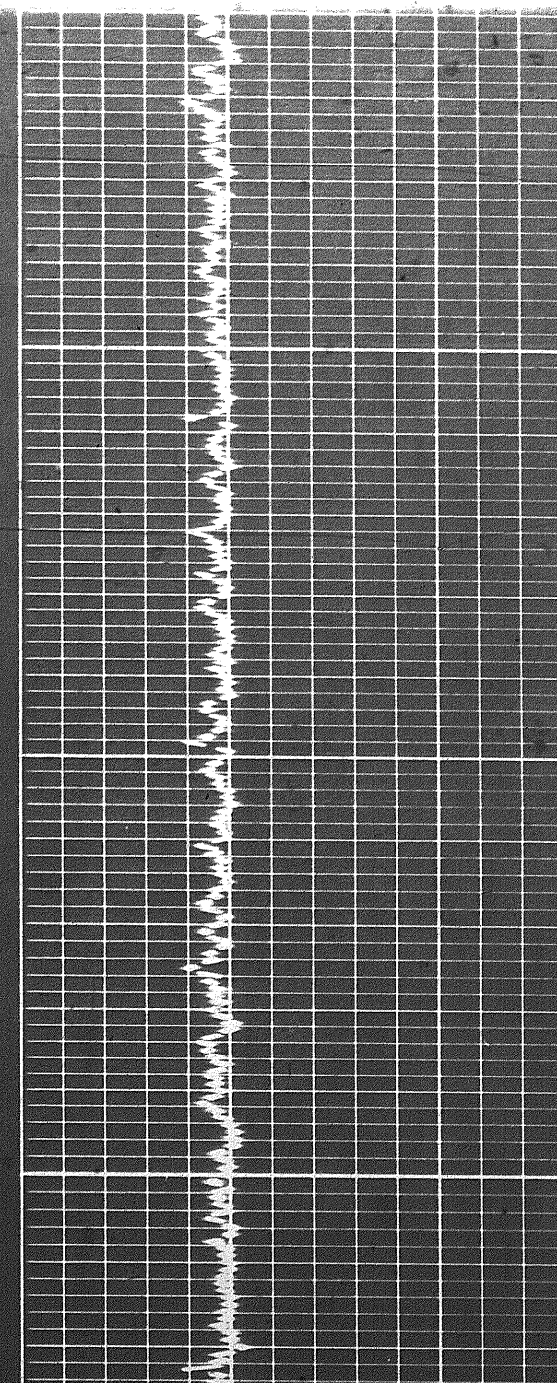
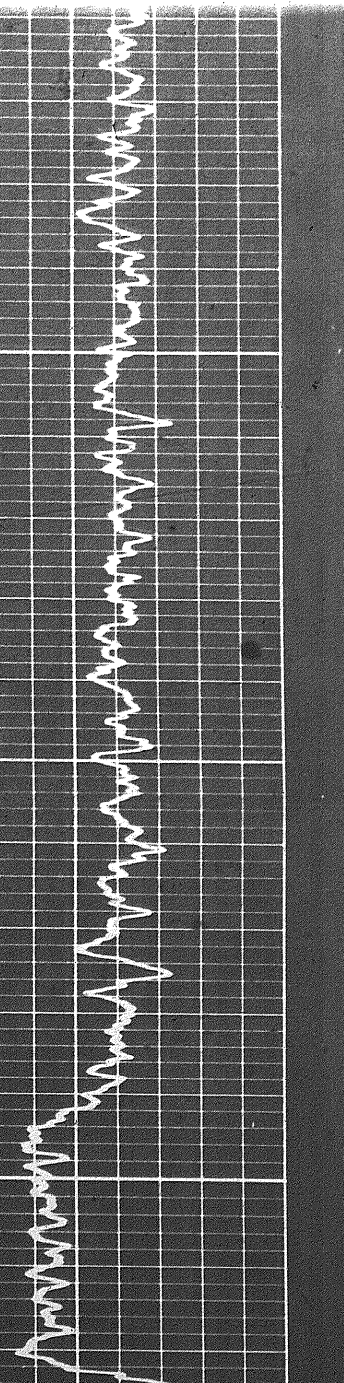
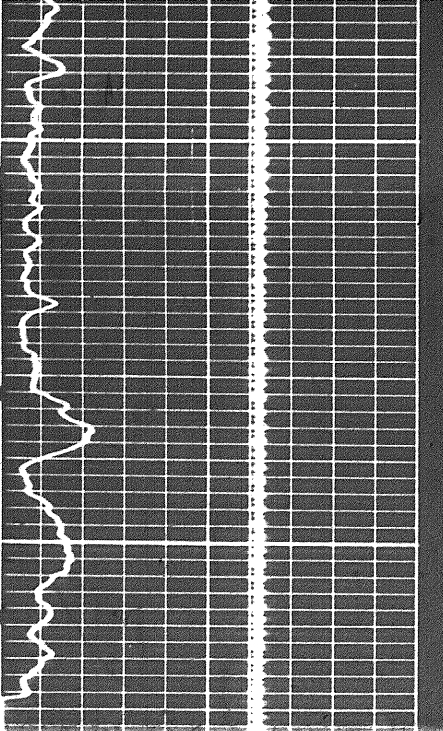
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4800

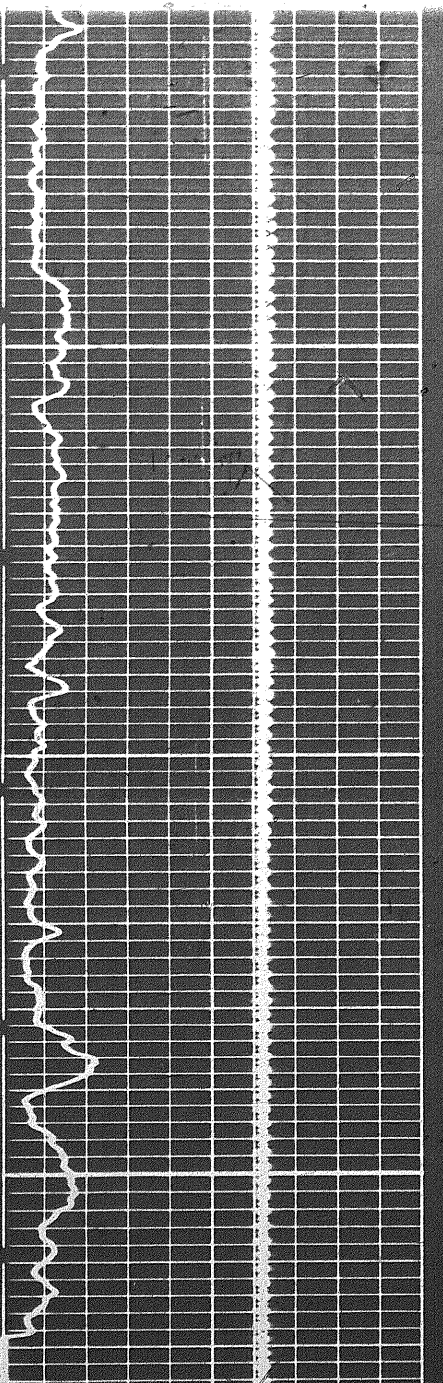


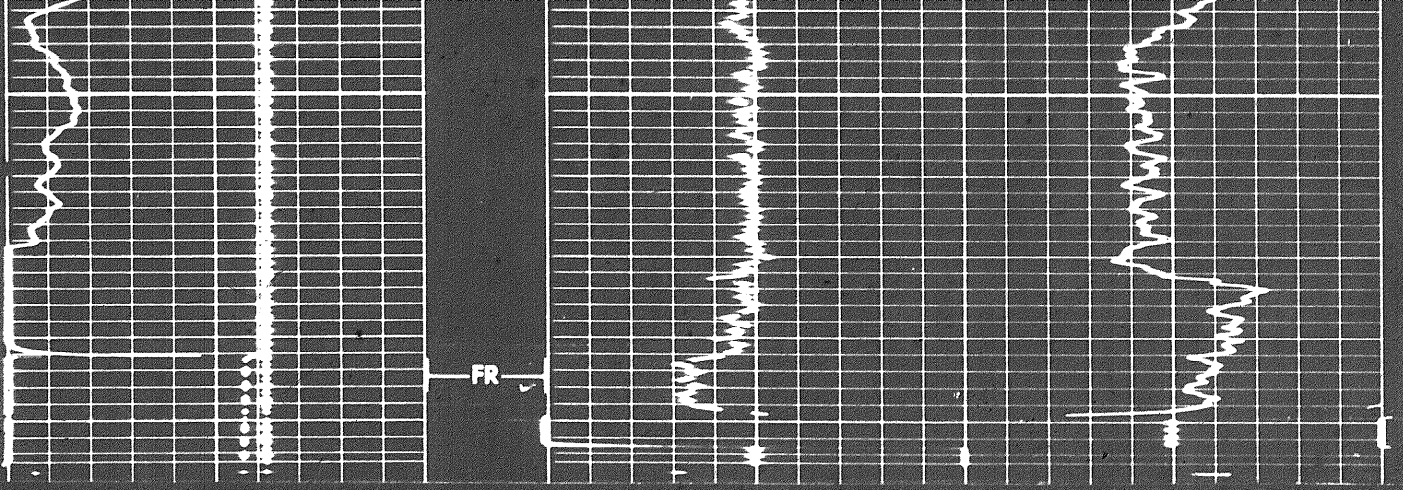


4900

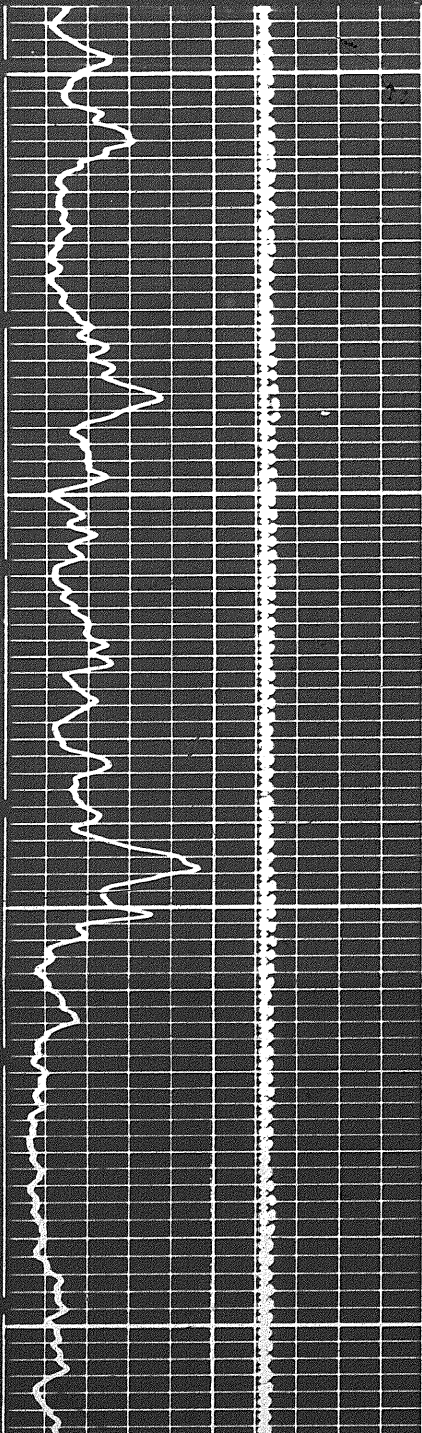


4900



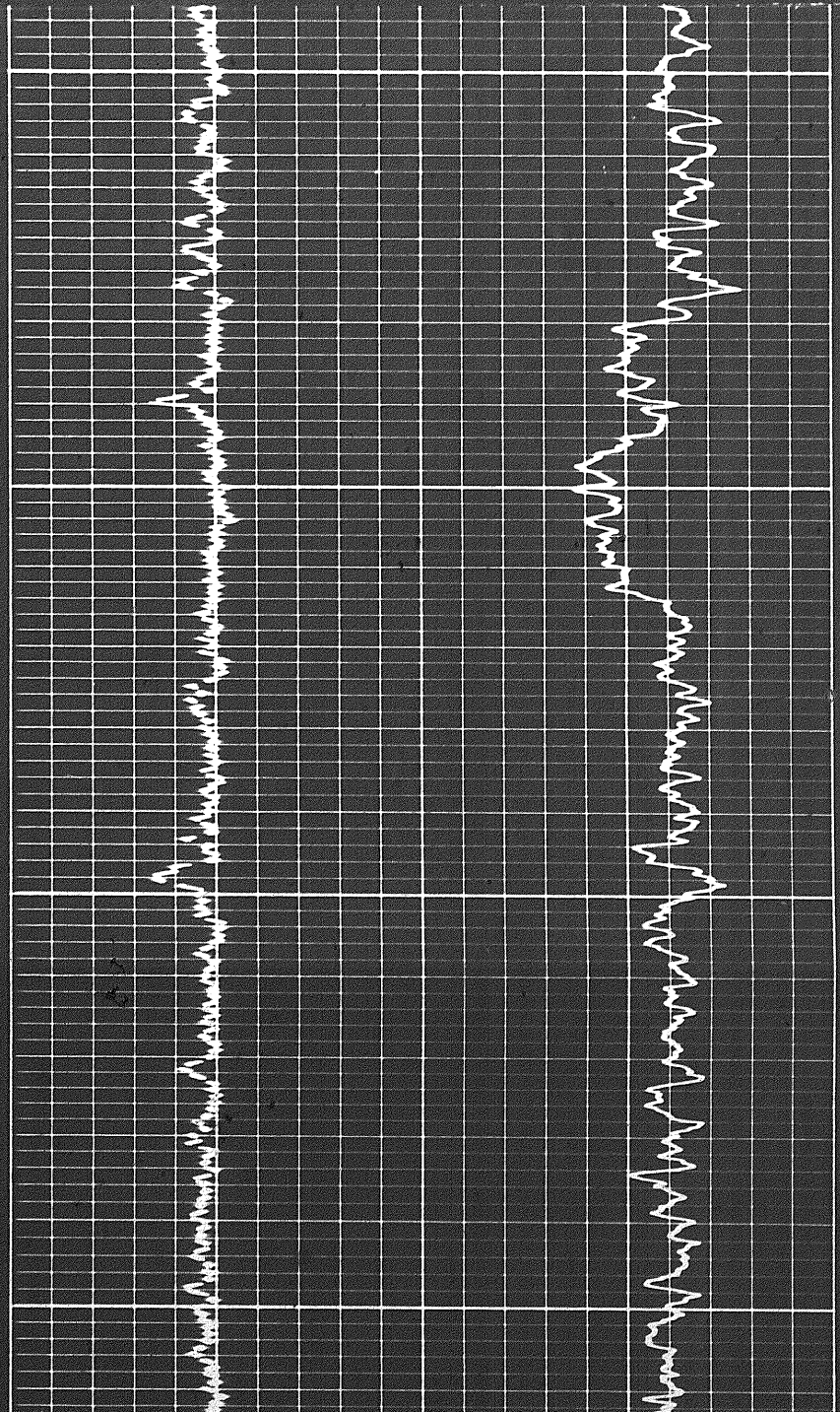


REPEAT SECTION

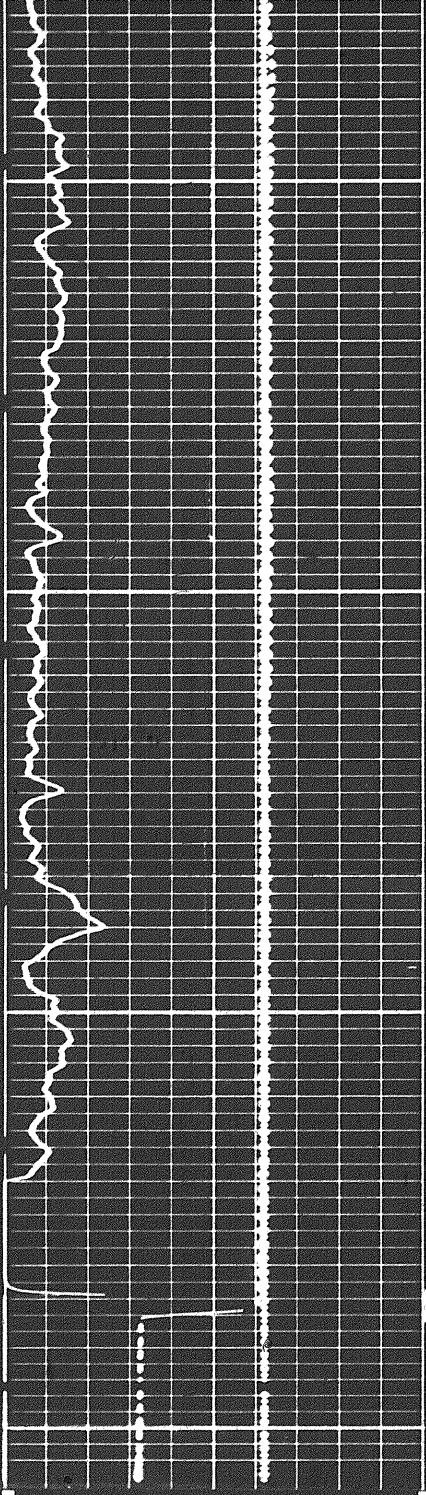


4600

4700



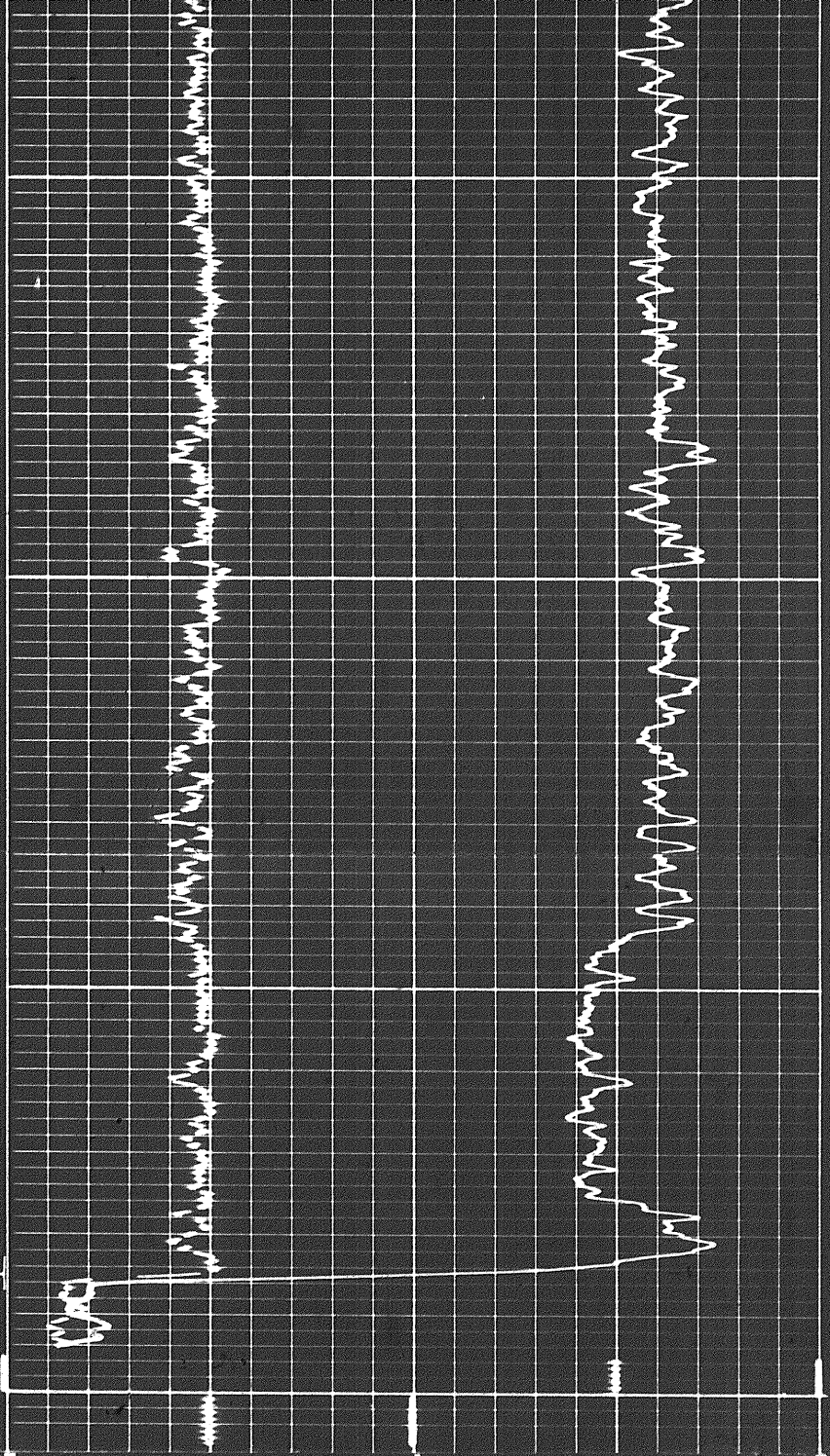
2



4800

FR

4900



7 8 9 10 11 12 13 14 15

CALIPER
hole diameter in inches

Sons. 150 T.C. 2
Zero 0 div. to left

0 150 300

(+) 0.25 0 (-) 0.25

DENSITY CORRECTION
 $\Delta\rho$ - gm/cc

2.0 2.5 3.0

GAMMA RAY
API UNITS

DEPTHS

BULK DENSITY
 ρ_b - gm/cc

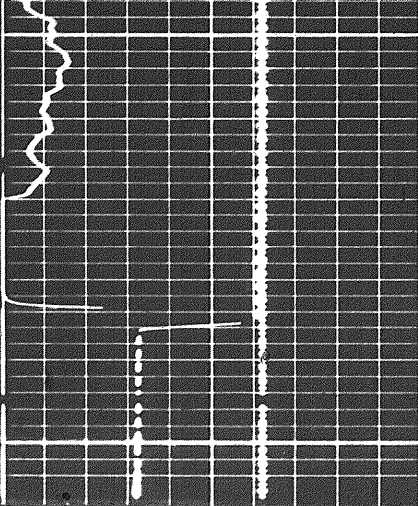
DETAIL LOG
5' = 100'

RUN 2

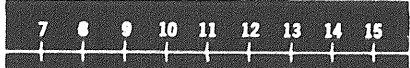
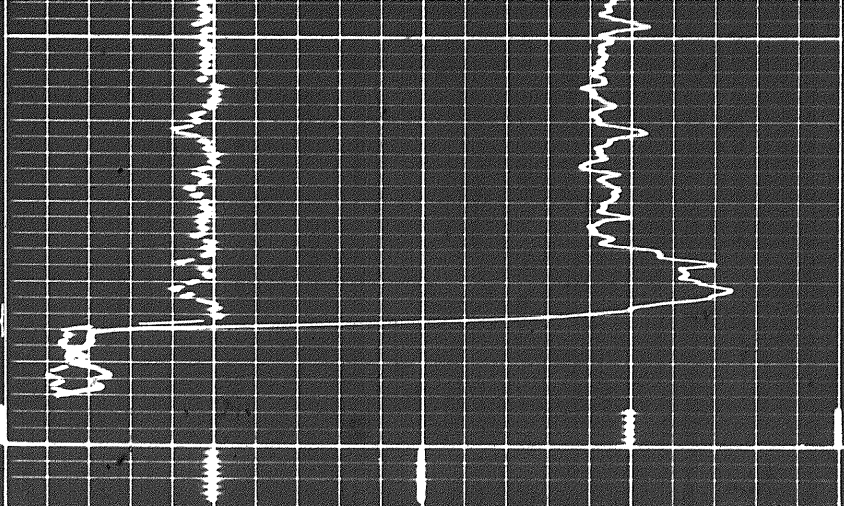
GAMMA RAY
API UNITS

DEPTHS

BULK DENSITY
 ρ_b - gm/cc

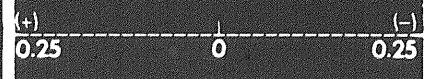


FR
4900

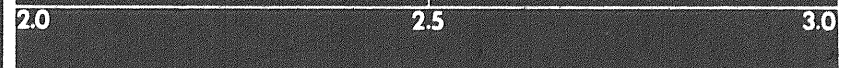


CALIPER
hole diameter in inches

Speed in FPM
Sens. 150 T.C. 2
Zero 0 div. to left
150 300



DENSITY CORRECTION
 $\Delta\rho - \text{gm/cc}$



GAMMA RAY
API UNITS

DEPTHS

BULK DENSITY
 $\rho_b - \text{gm/cc}$

DETAIL LOG
5' = 100'

RUN 2

GAMMA RAY
API UNITS

DEPTHS

BULK DENSITY
 $\rho_b - \text{gm/cc}$

Speed in FPM
Sens. 100 T.C. 2
Zero 0 div. to left
100 200

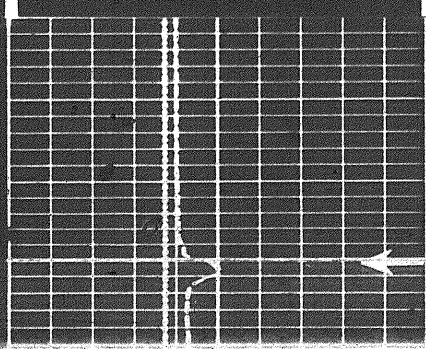
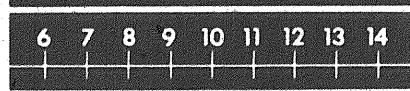


PORSITY %

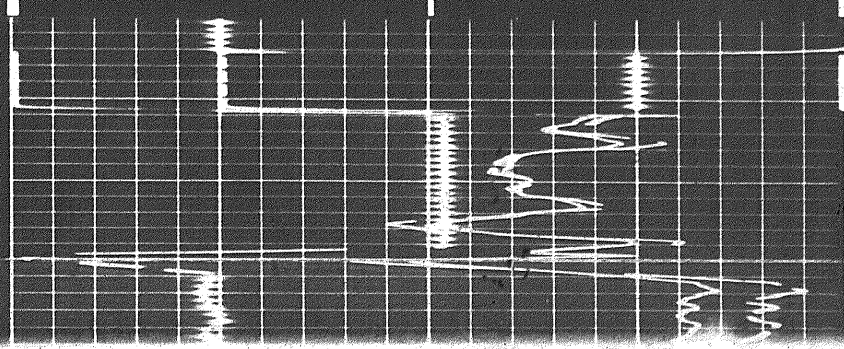
DENSITY CORRECTION
 $\Delta\rho - \text{gm/cc}$

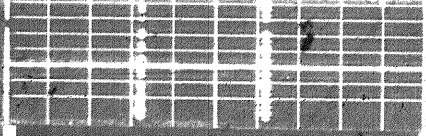
Rho-g = 2.71
Rho-f = 1.00

CALIPER
hole diameter in inches

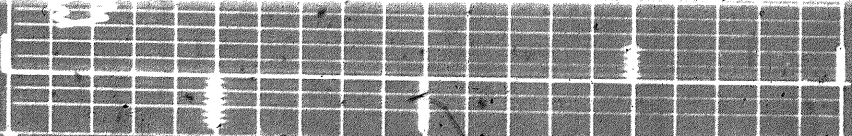


Casing
4900





4990



7 8 9 10 11 12 13 14 15

CALIPER
hole diameter in inches

Sens. 150 T.C. 2
Zero 0 div. to left
150 300

(+) 0.25 0 (-) 0.25

DENSITY CORRECTION
 $\Delta\rho - \text{gm/cc}$

2.0 2.5 3.0

Speed in FPM

GAMMA RAY
API UNITS

DEPTH

BULK DENSITY
 $\rho_b - \text{gm/cc}$

DETAIL LOG
5" = 100'

RUN 2

GAMMA RAY
API UNITS

DEPTH

BULK DENSITY
 $\rho_b - \text{gm/cc}$

Sens. 100 T.C. 2
Zero 0 div. to left
100 200

2.0 2.5 3.0

POROSITY %
10 -10

DENSITY CORRECTION
 $\Delta\rho - \text{gm/cc}$

Rho-g = 2.71
Rho-f = 1.00

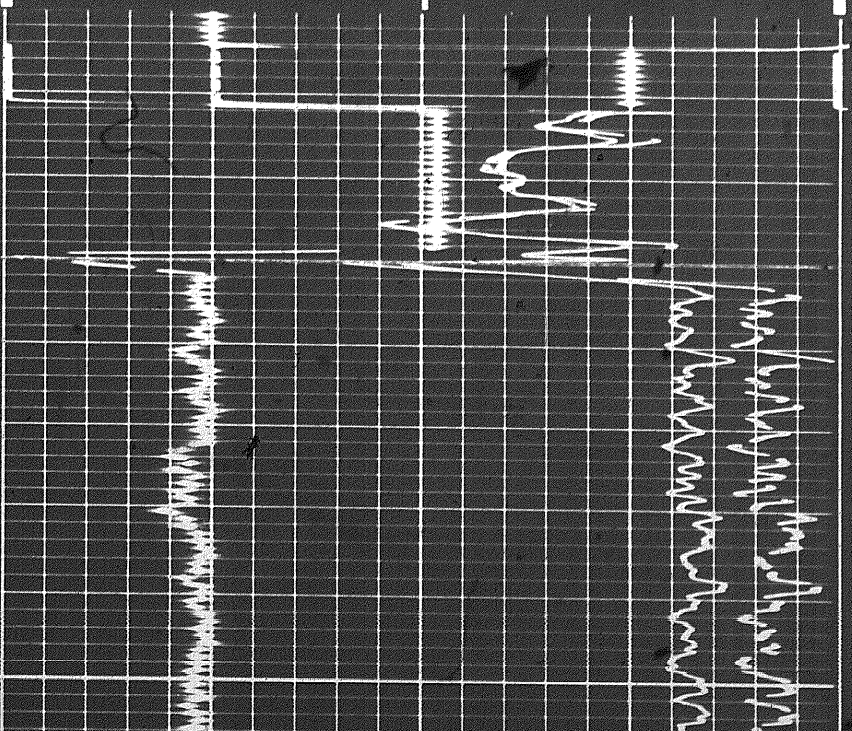
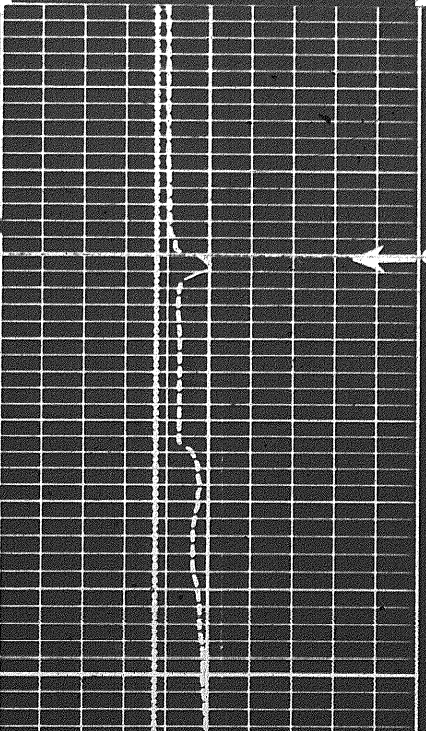
CALIPER
hole diameter in inches

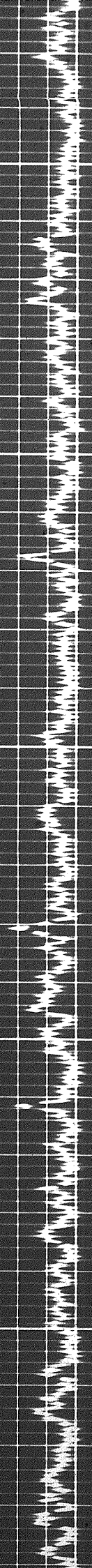
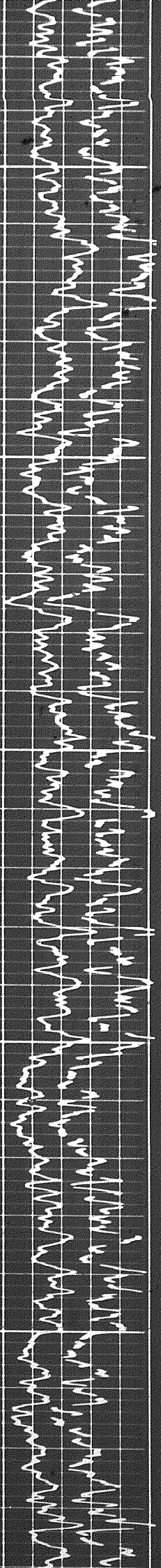
6 7 8 9 10 11 12 13 14

0.25 (+) 0 (-) 0.25

Speed in FPM

4990
Casing

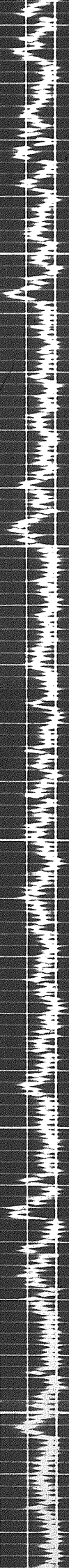
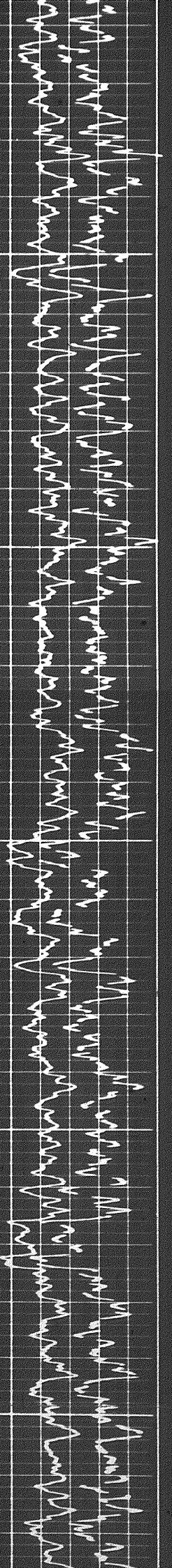




5000

5100

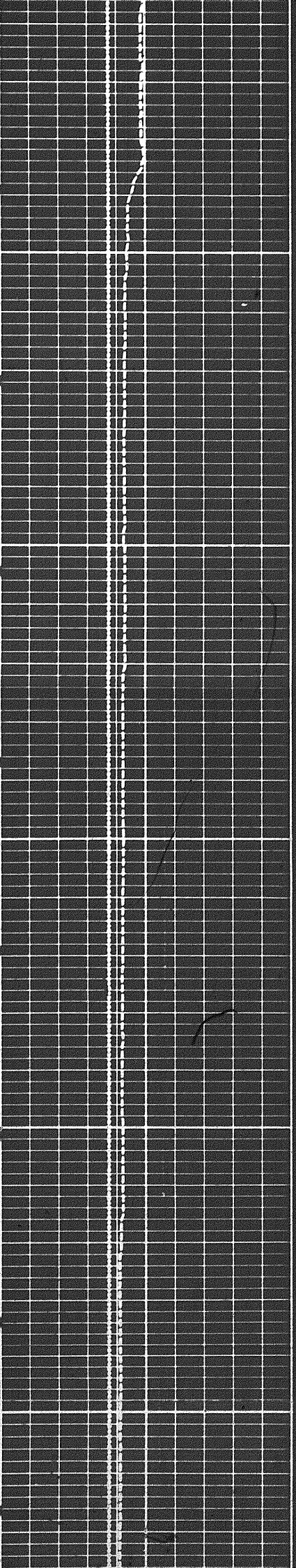


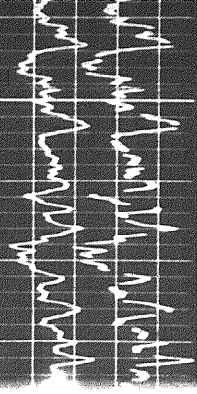


5200

5300

5400



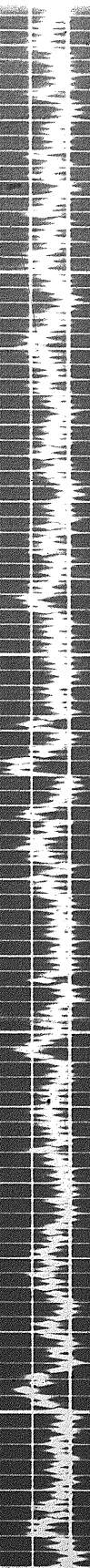


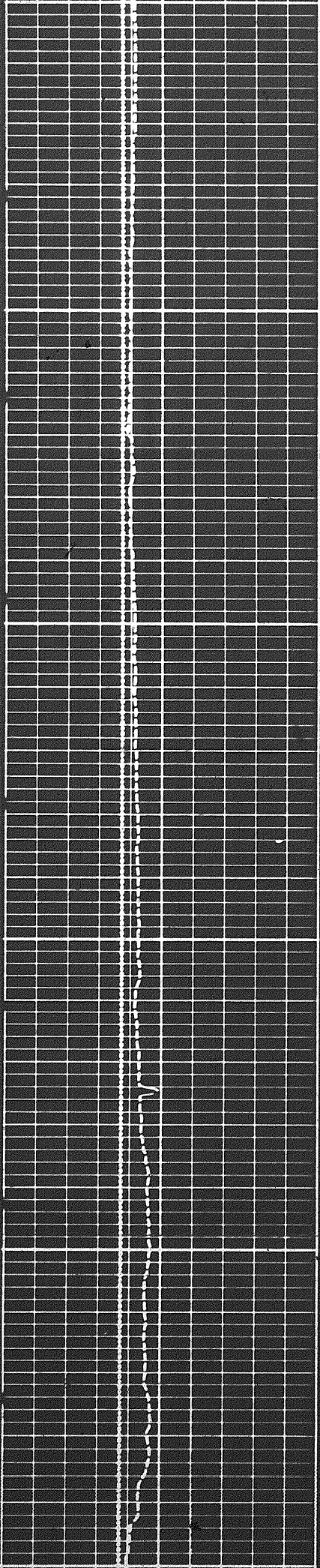
5400



5300

5400

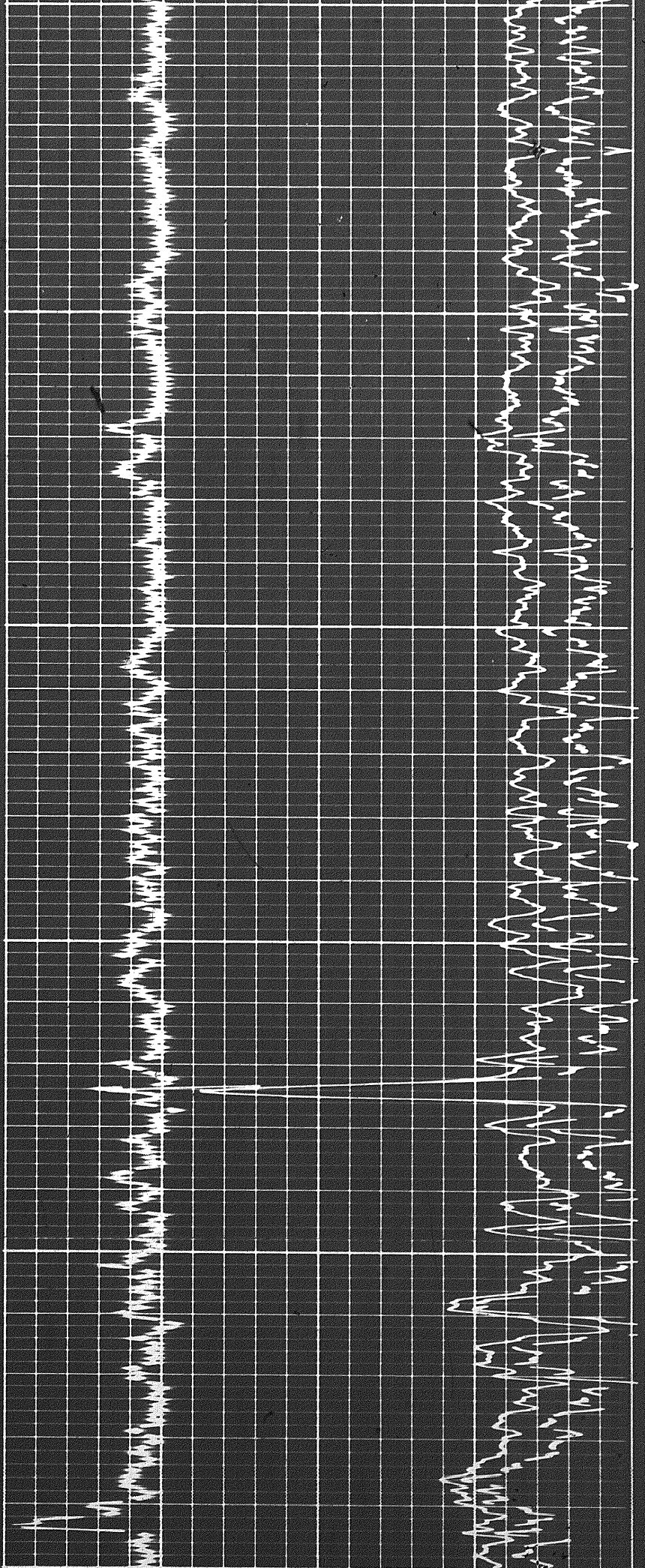


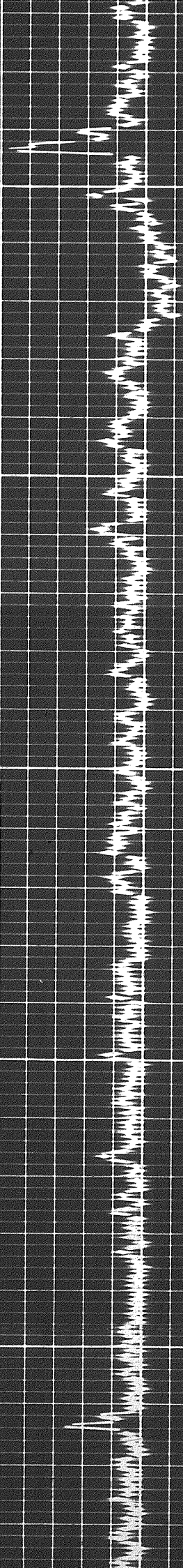
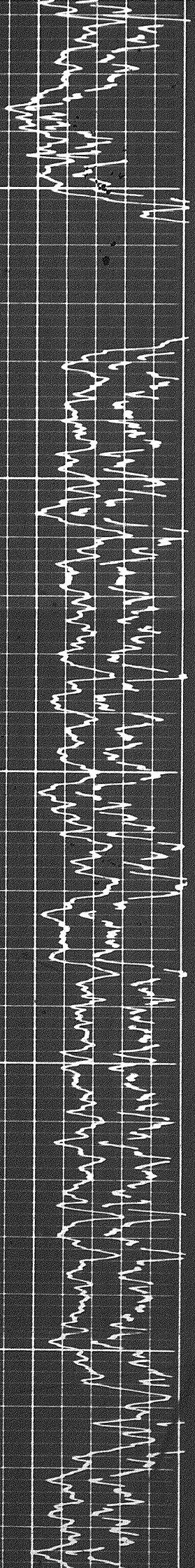


5600

5600

5700

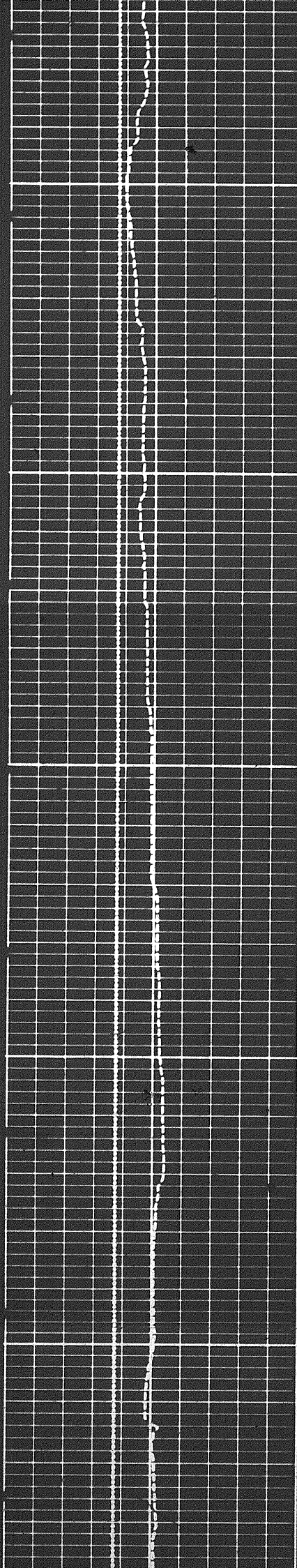


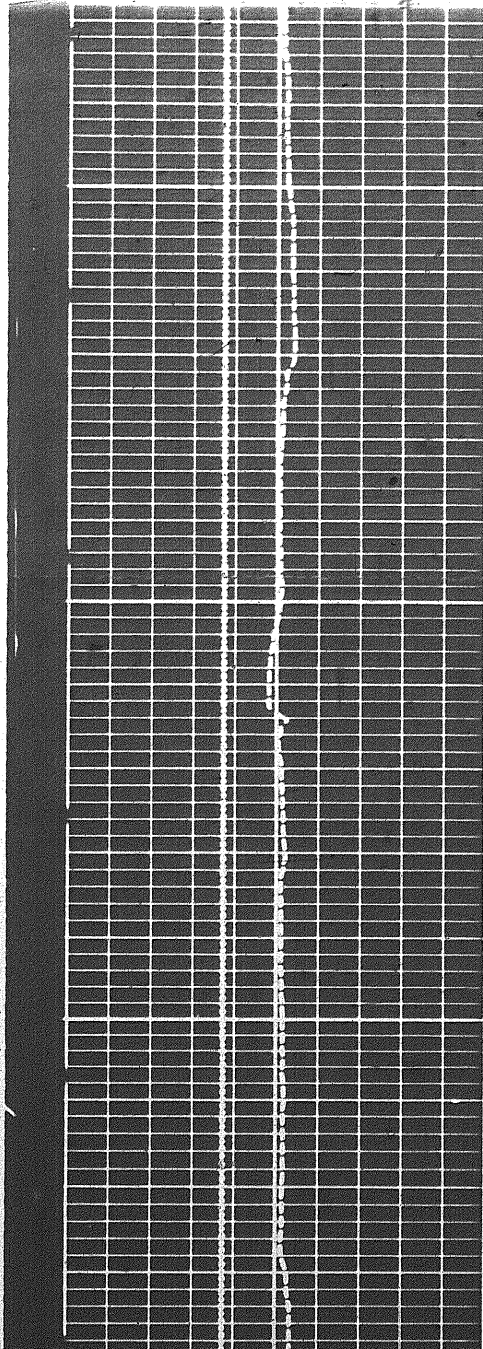
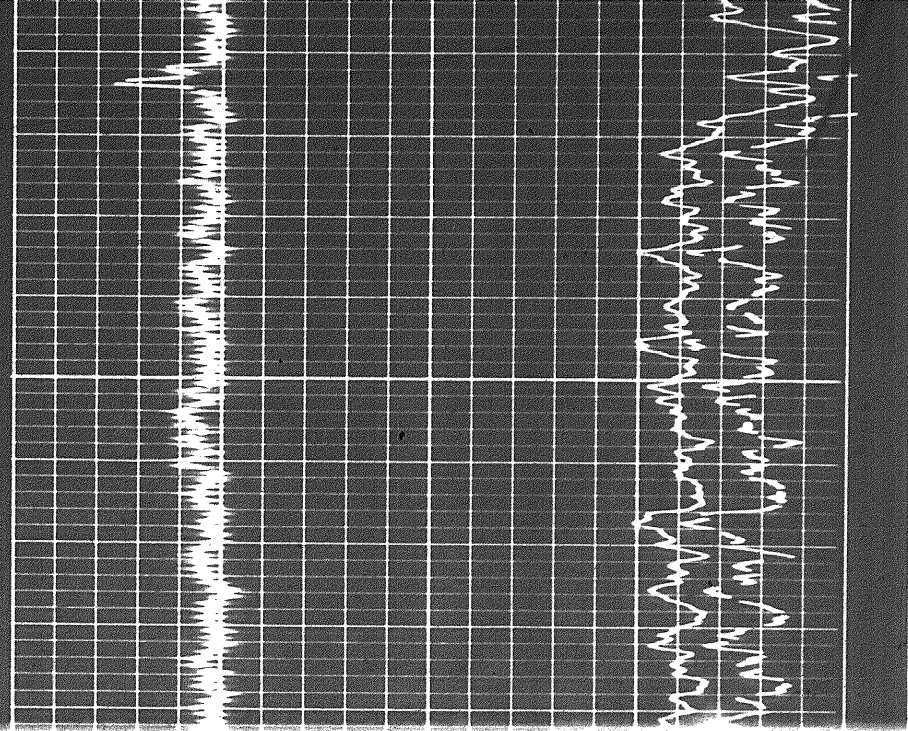
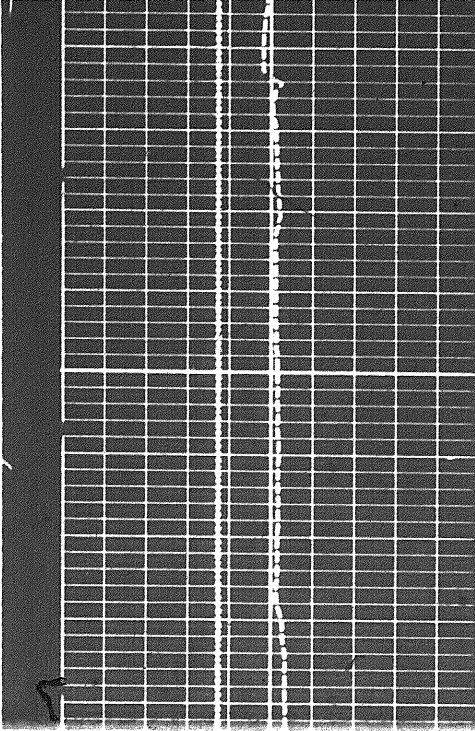


5700

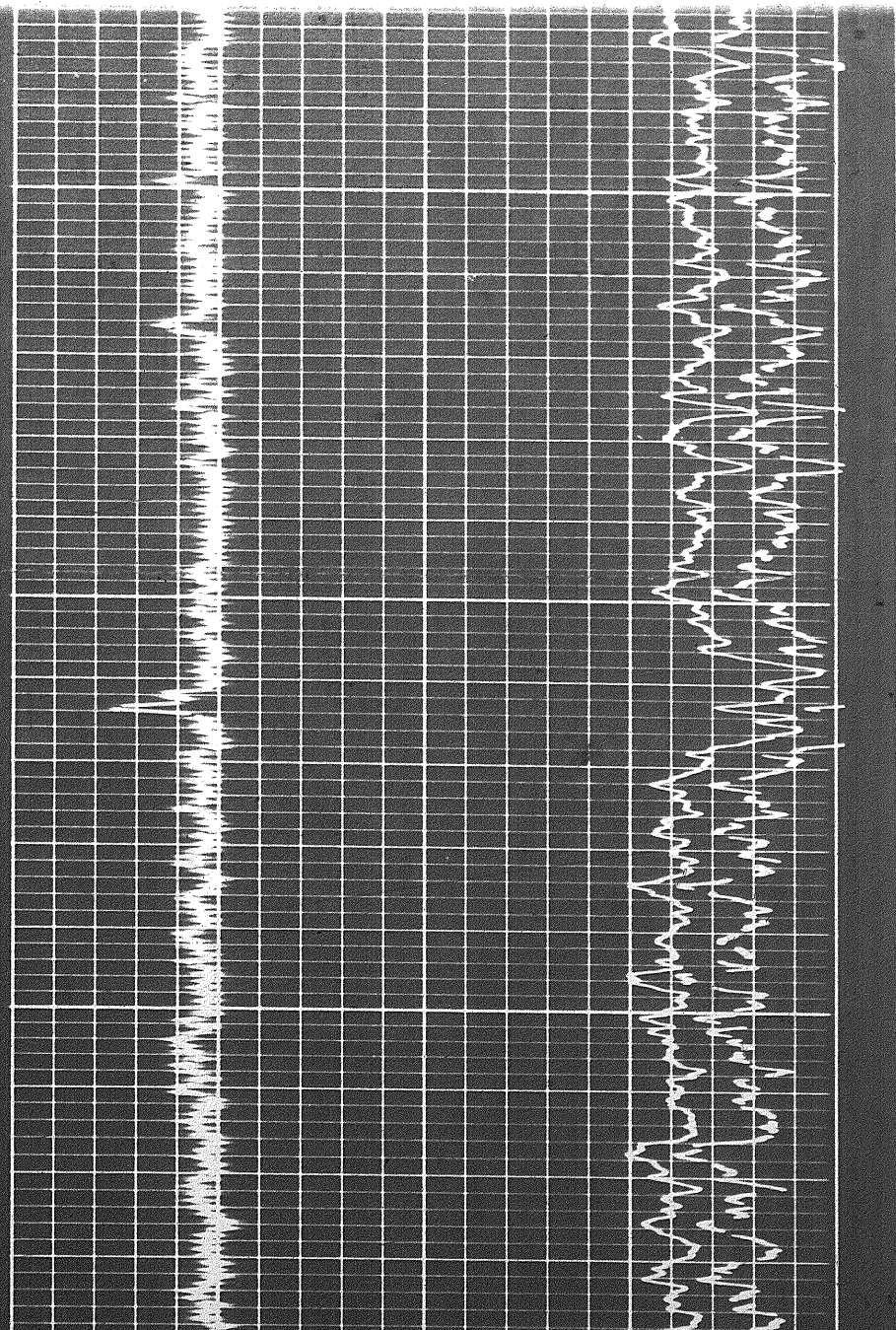
5800

5900

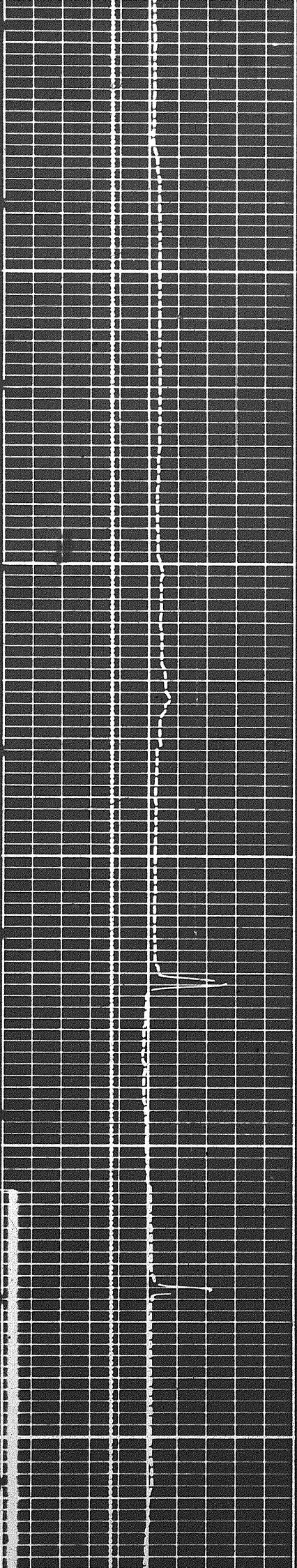




0085



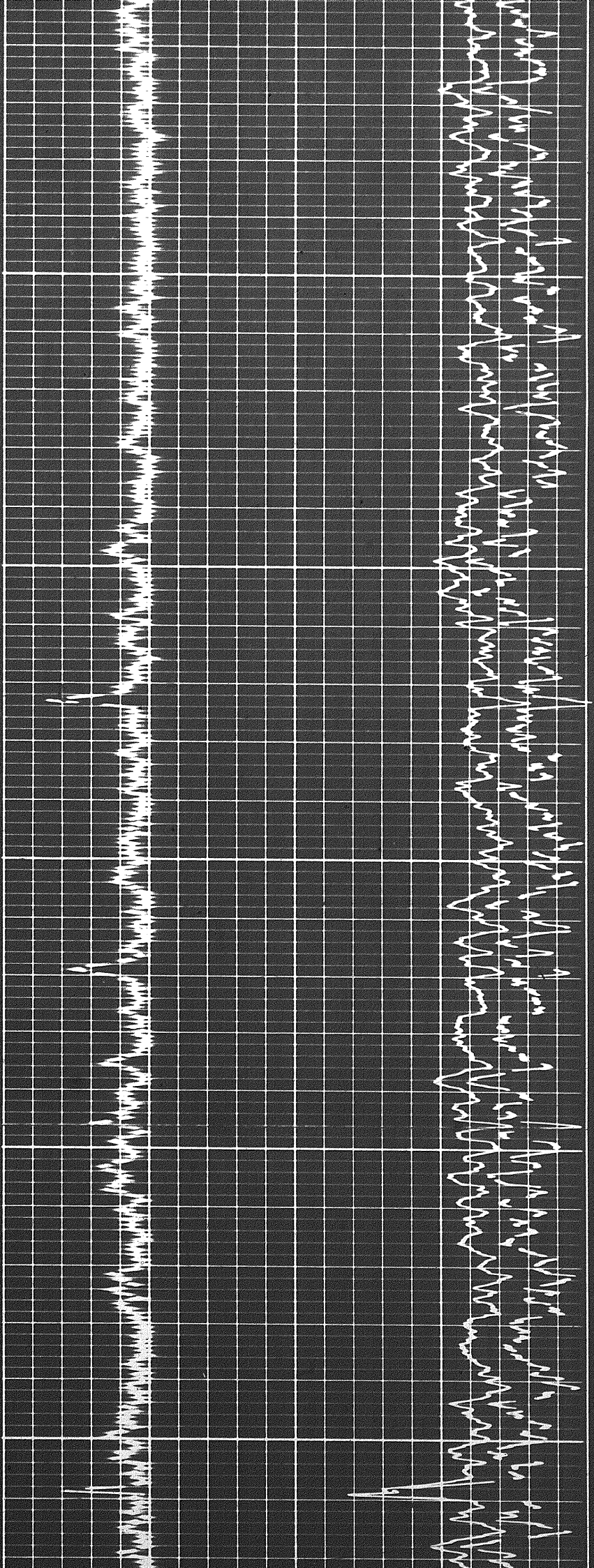
128

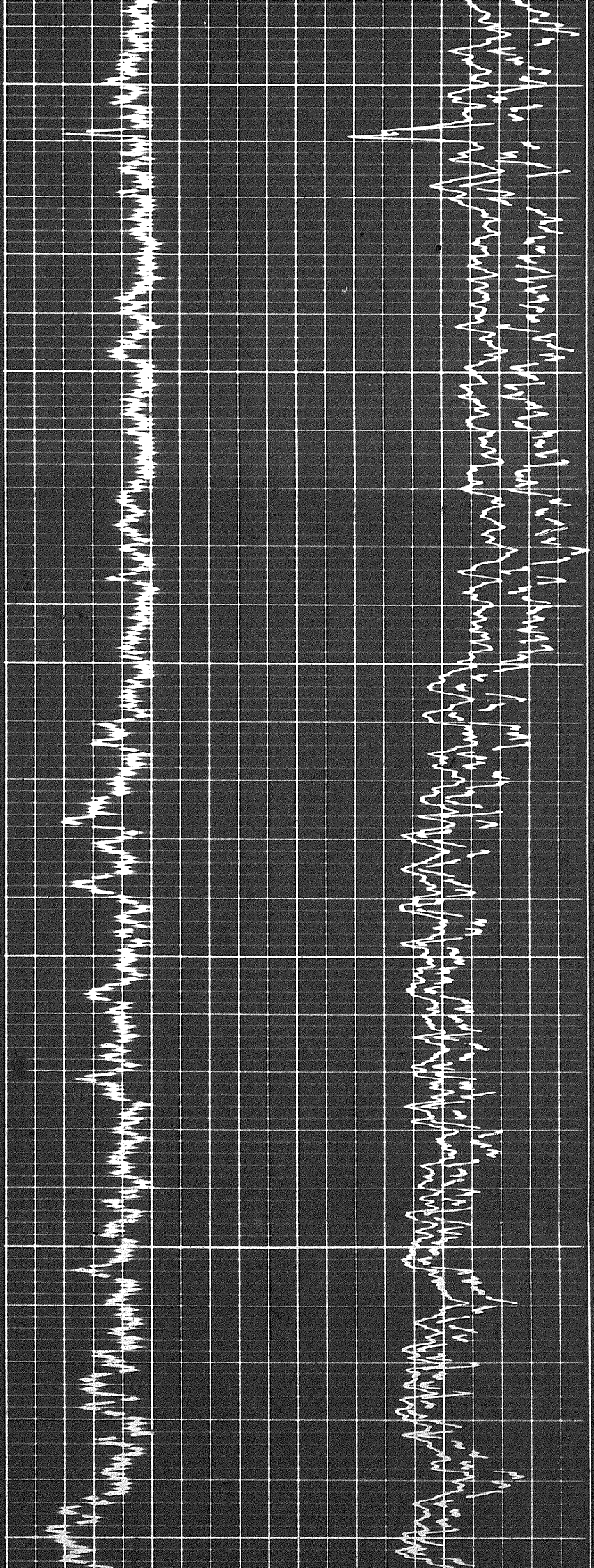


6000

6100

6200

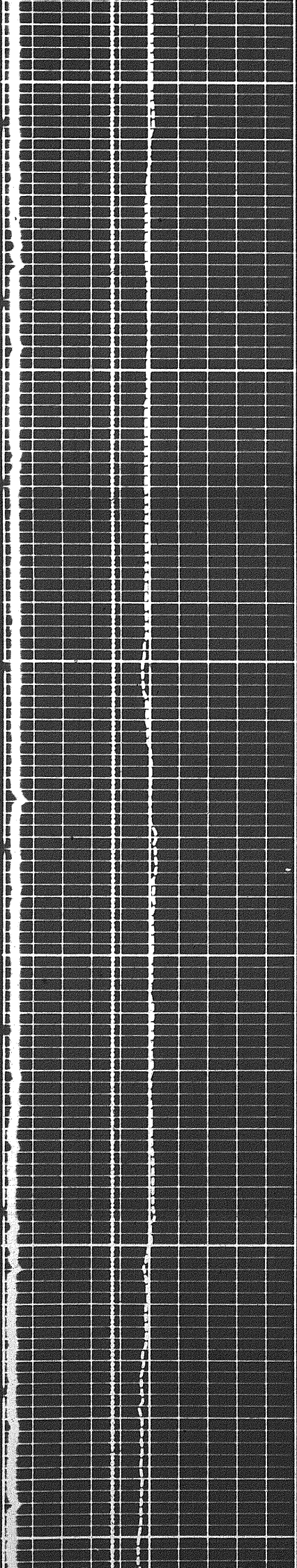


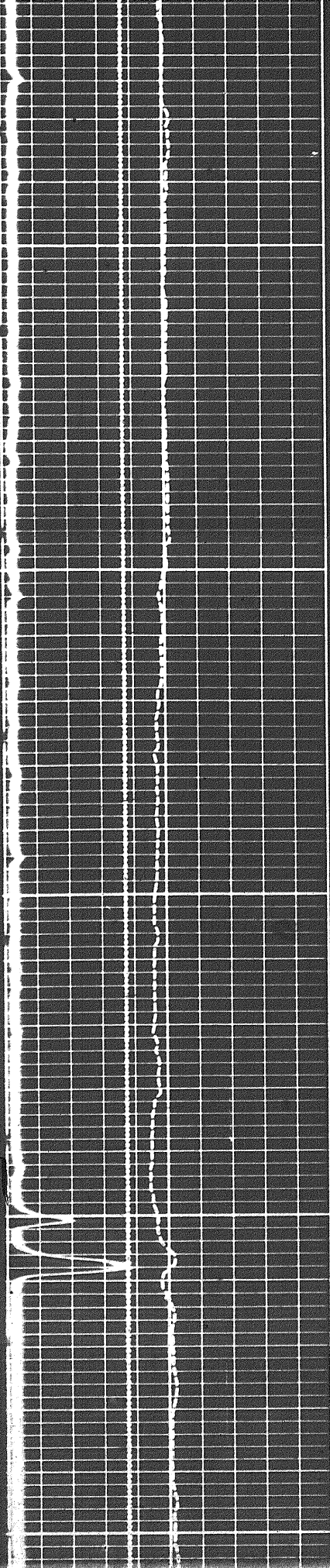


6200

6300

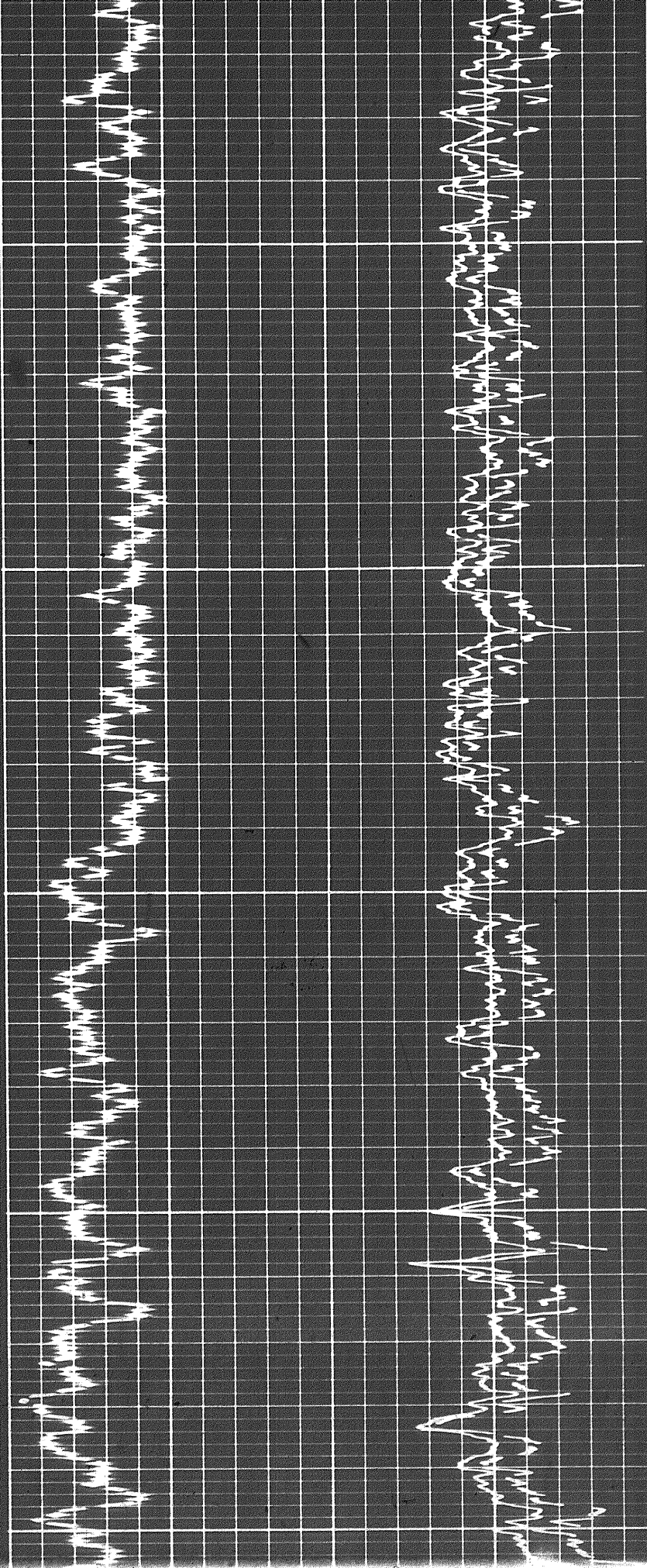
6400

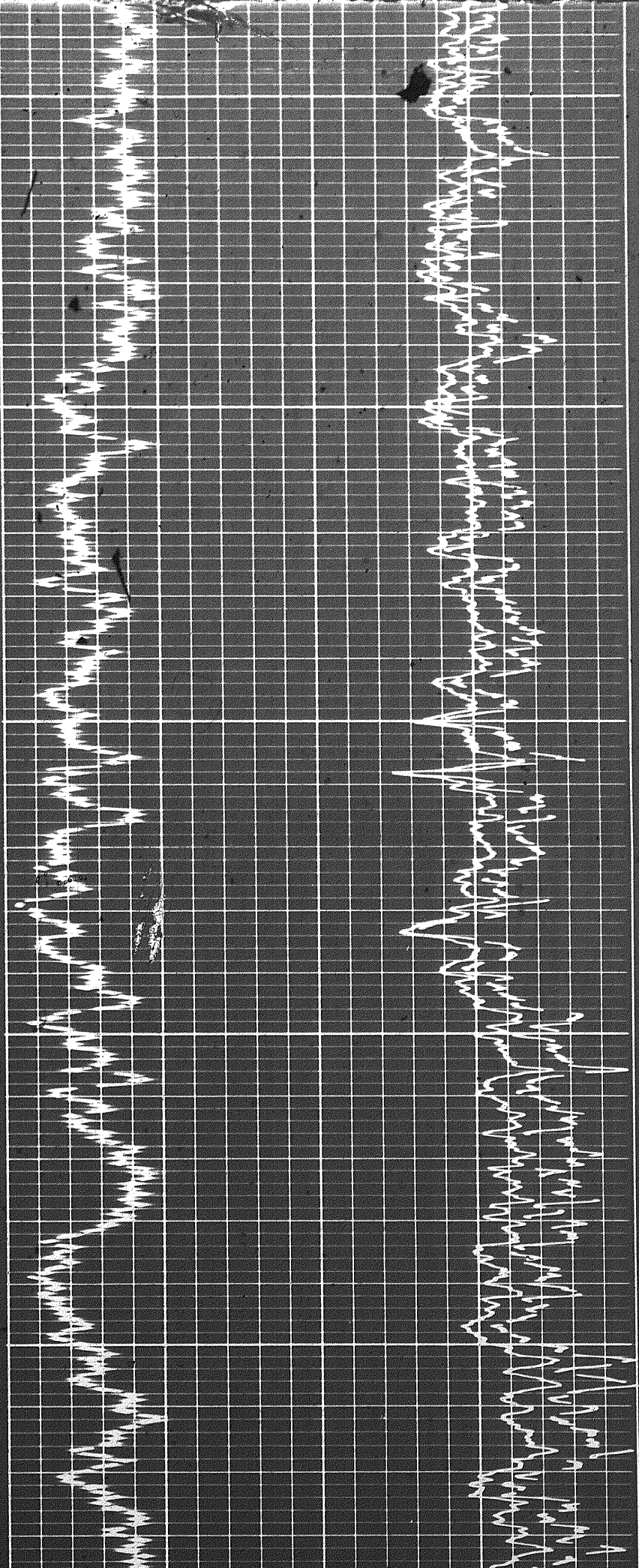




6400

6300

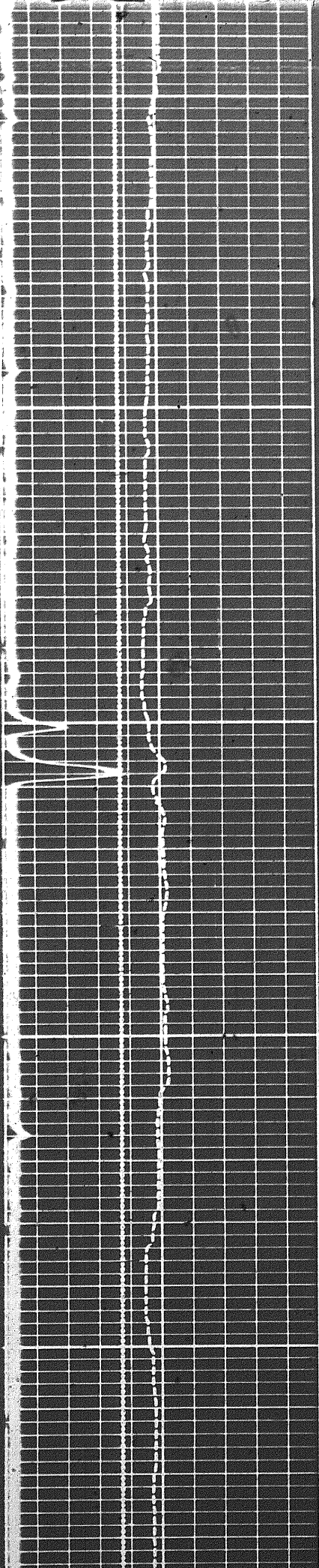


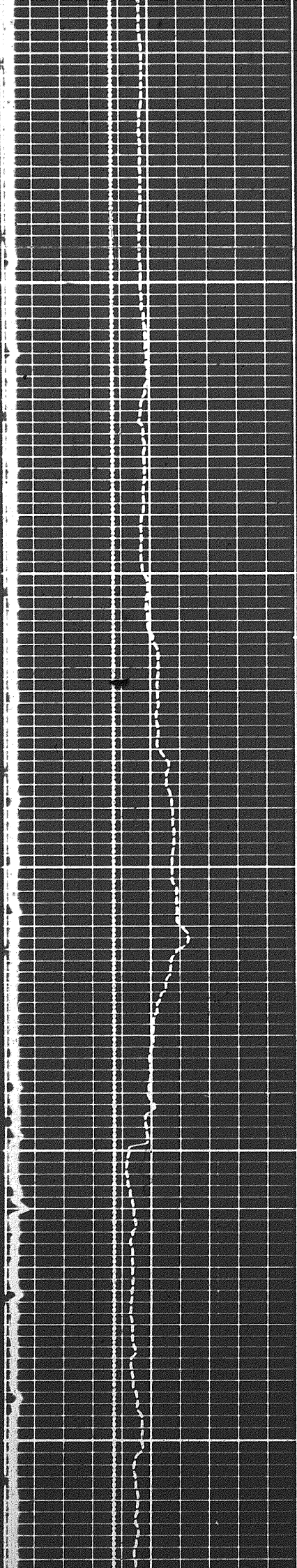


6400

6500

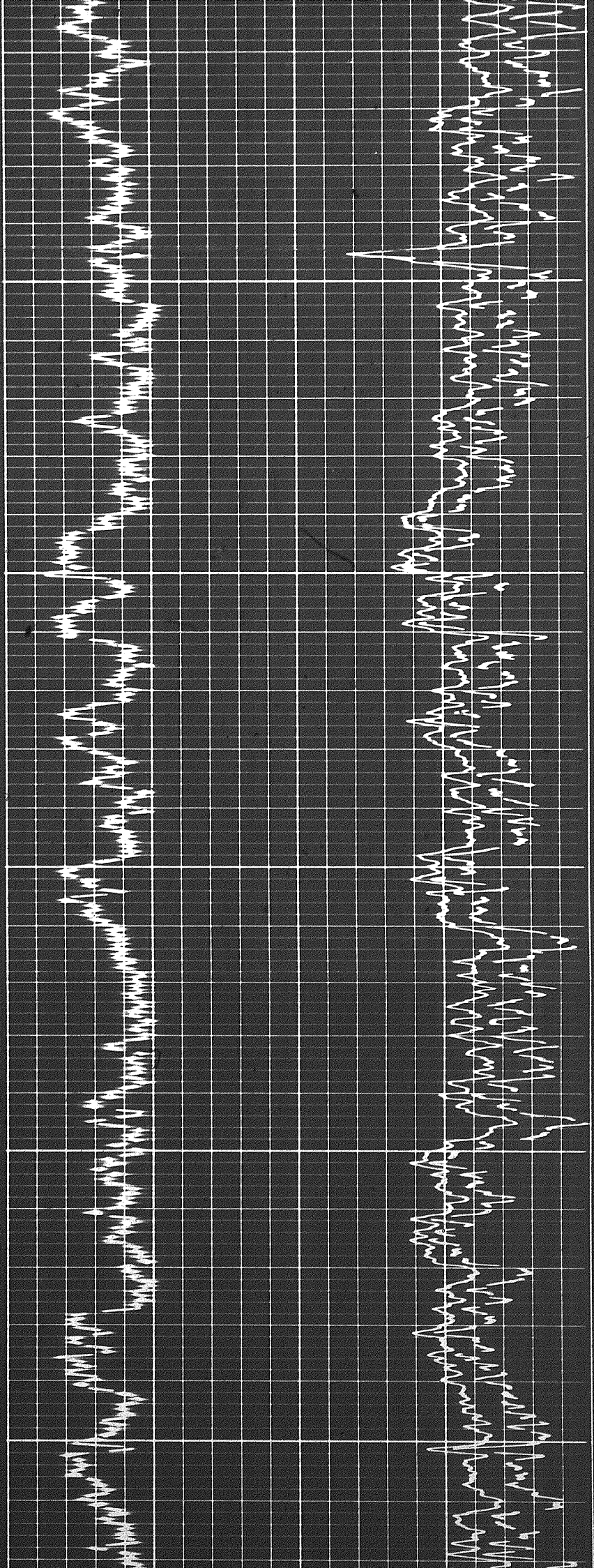
6600

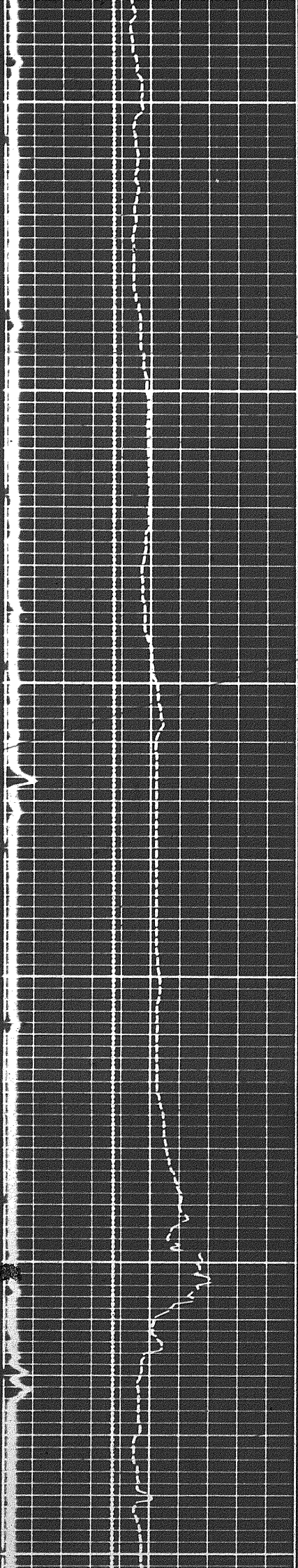




6700

6800

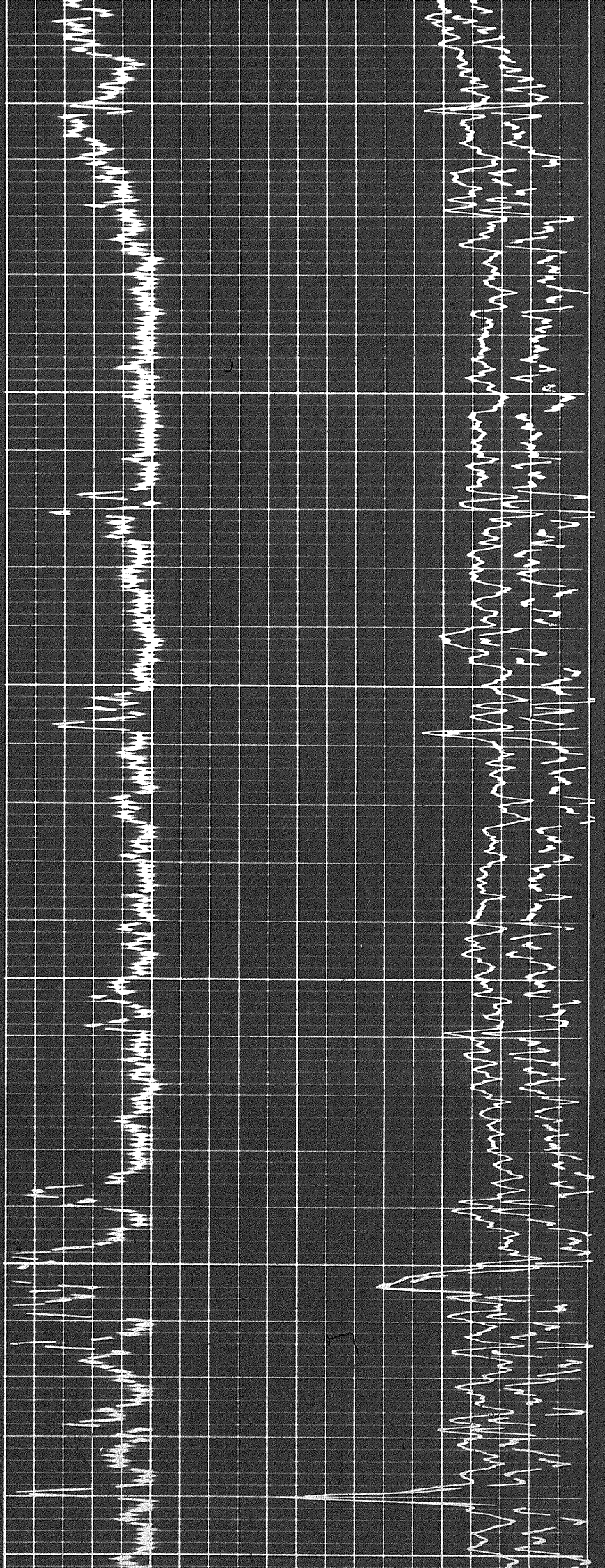


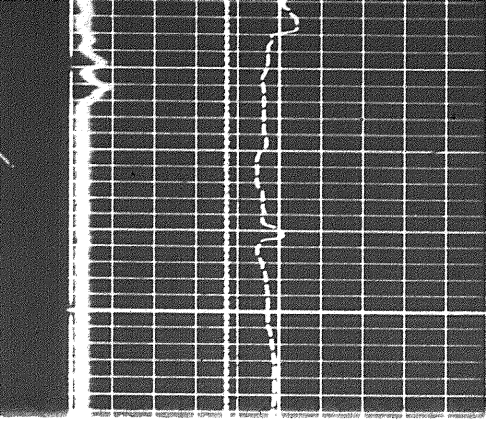


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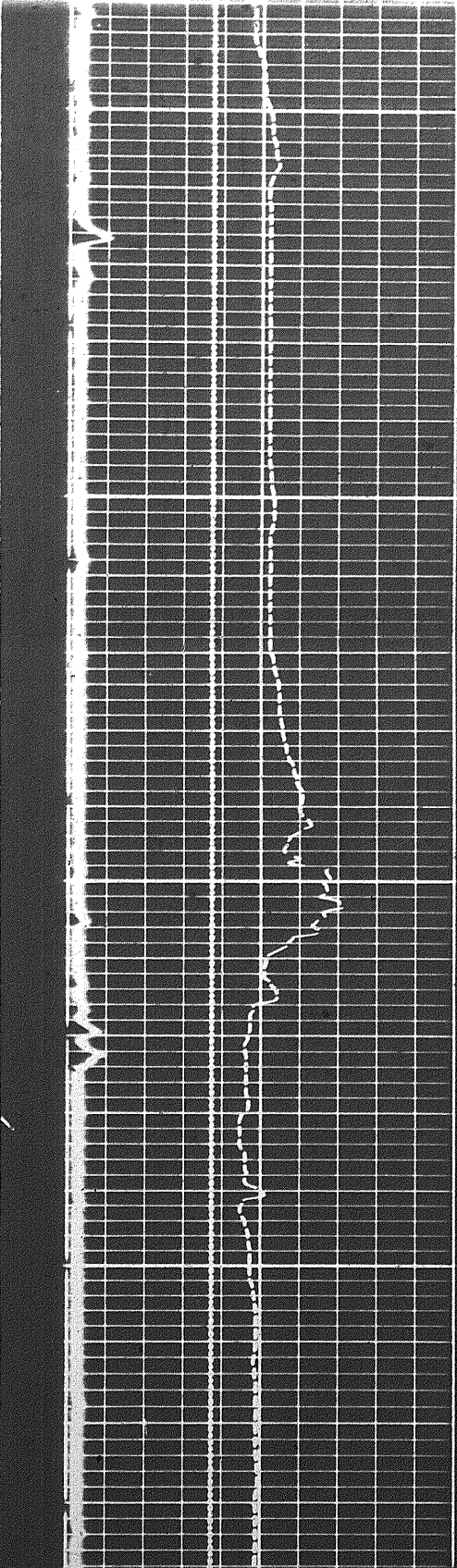
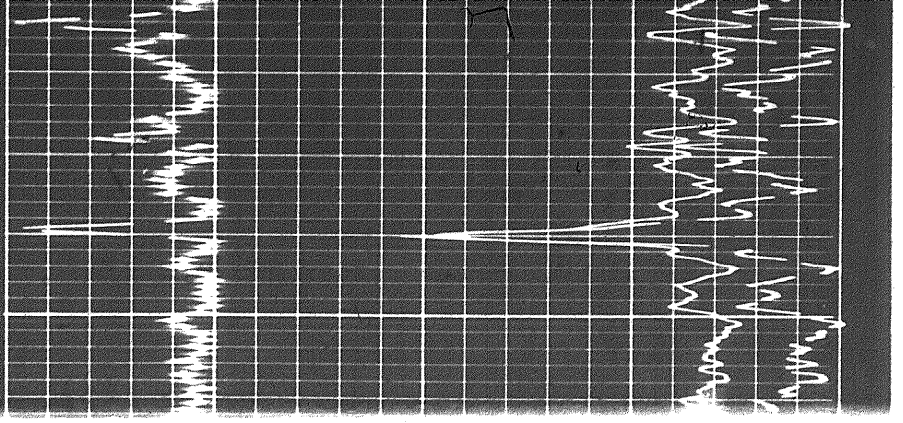
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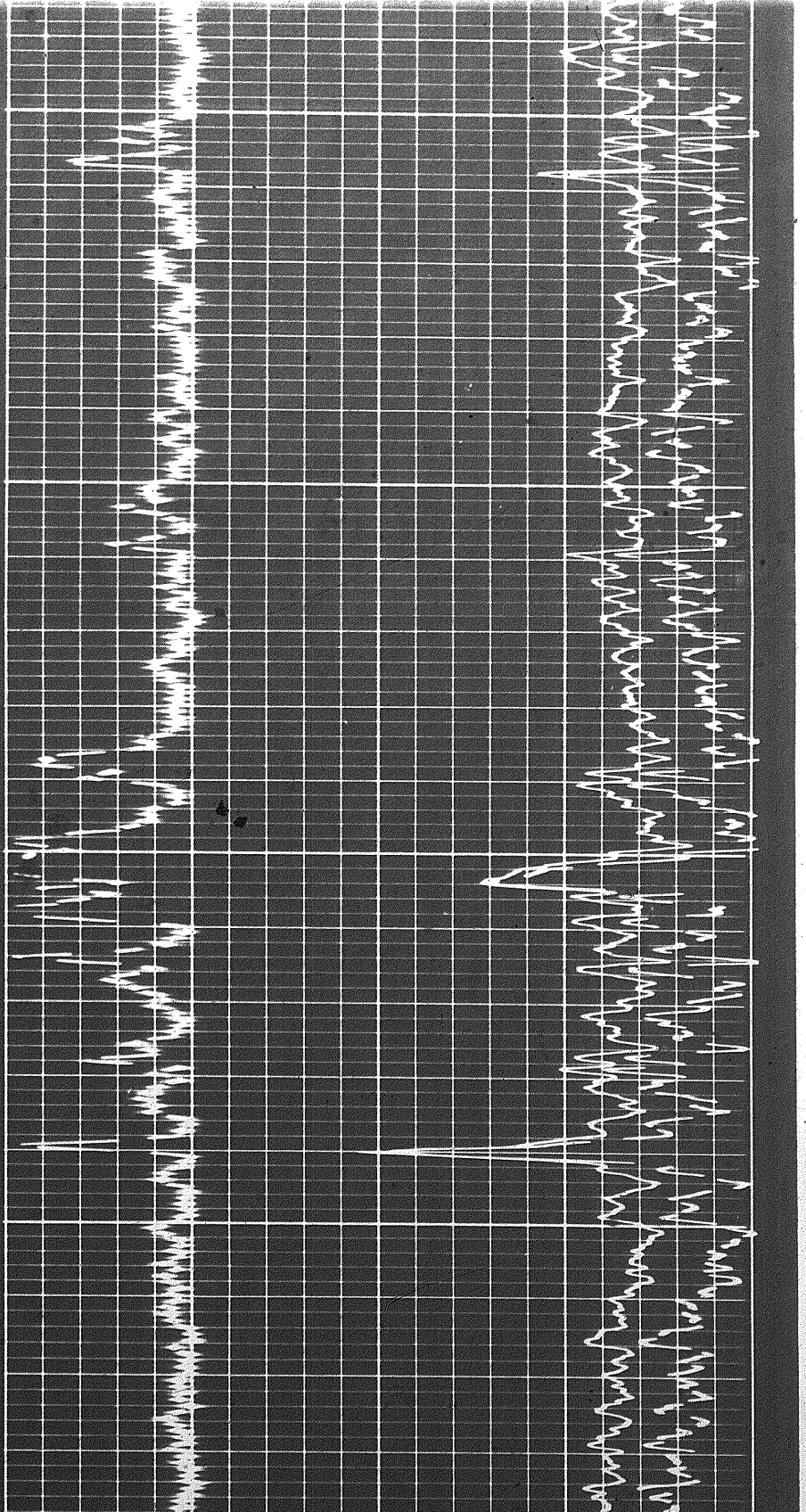




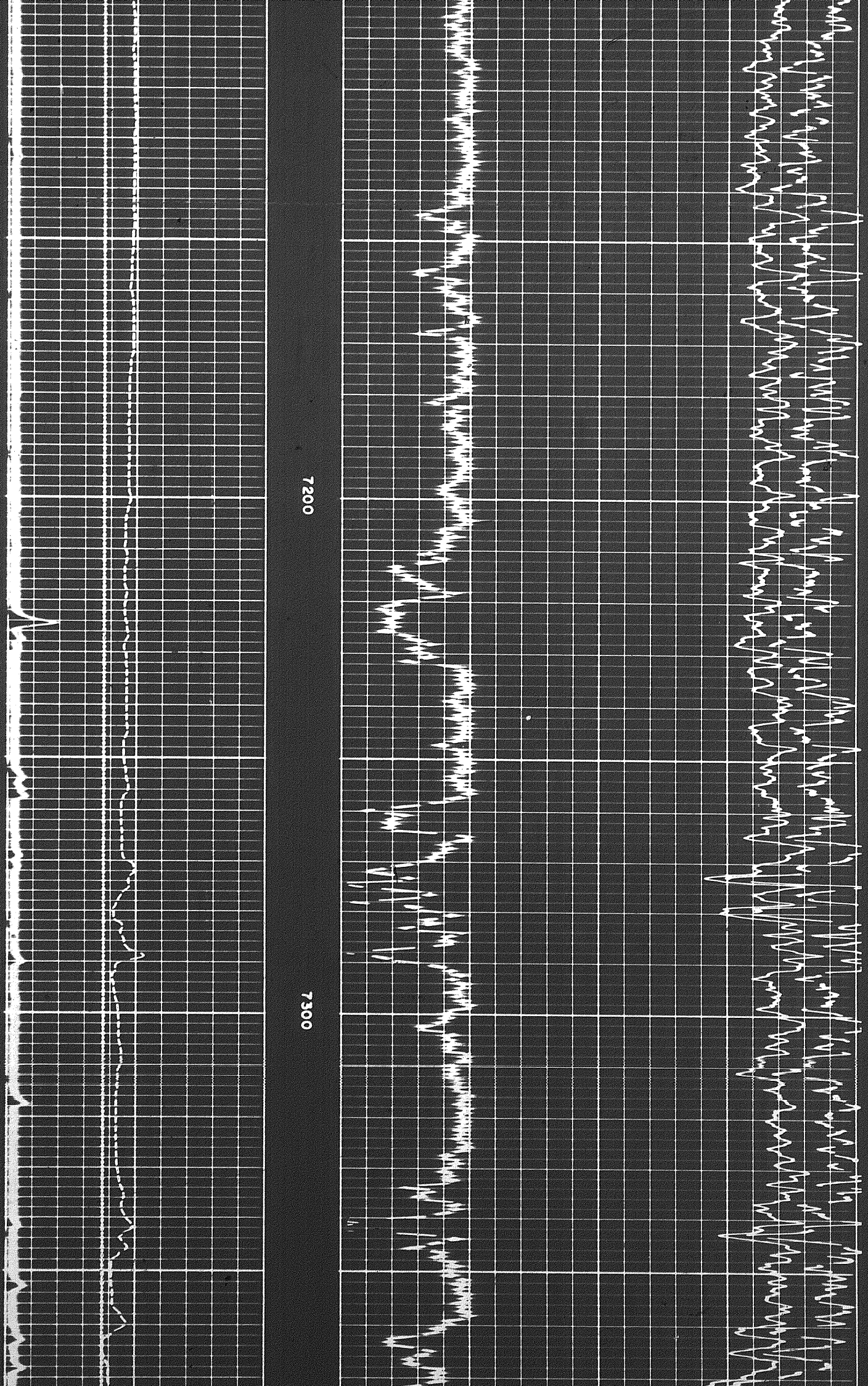
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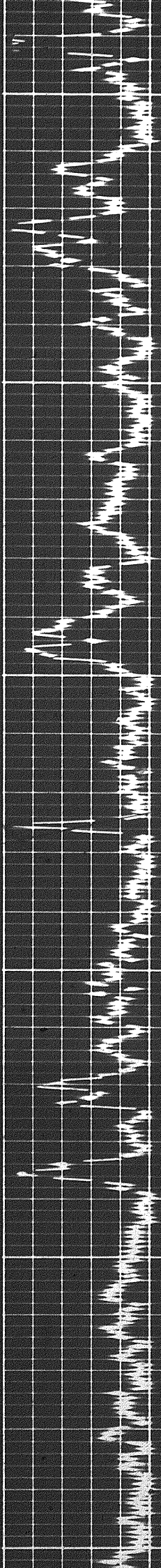
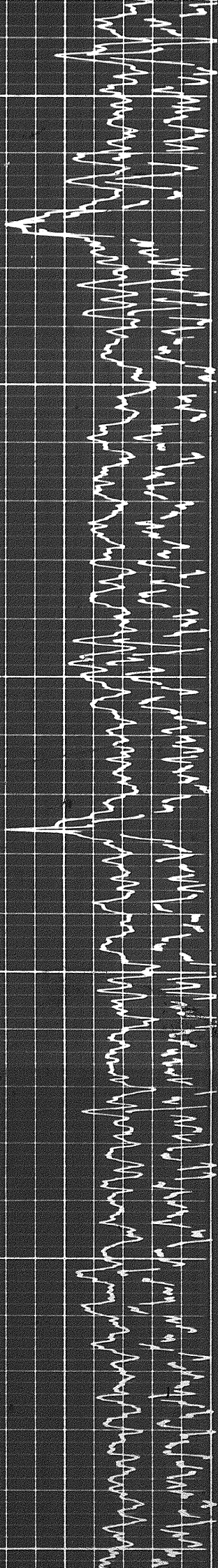
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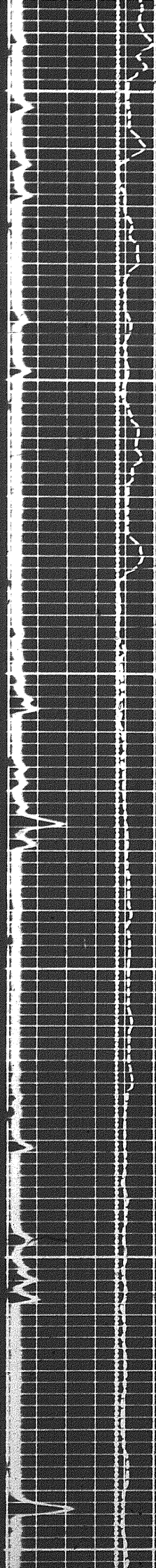
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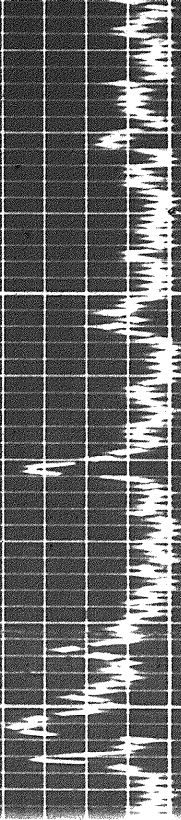
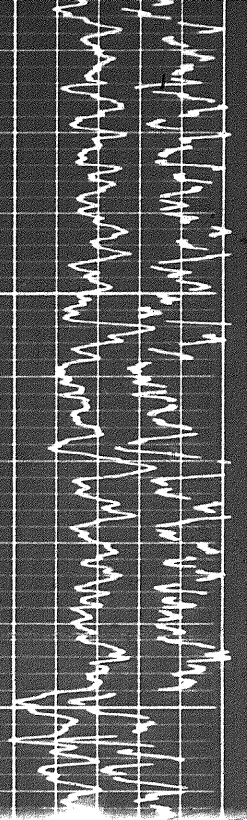


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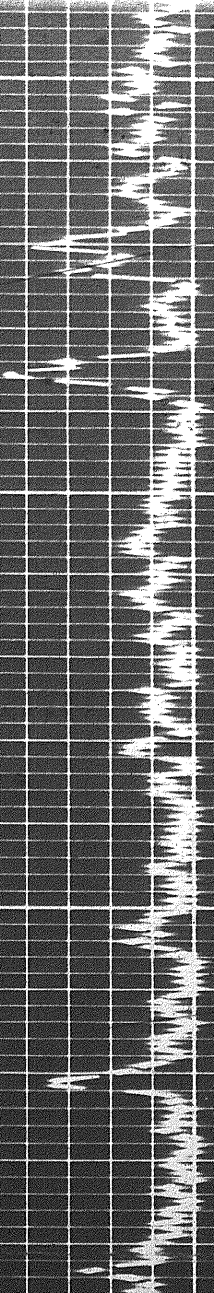
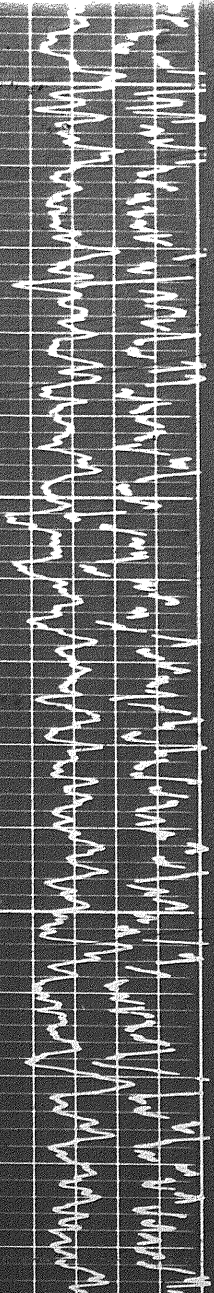
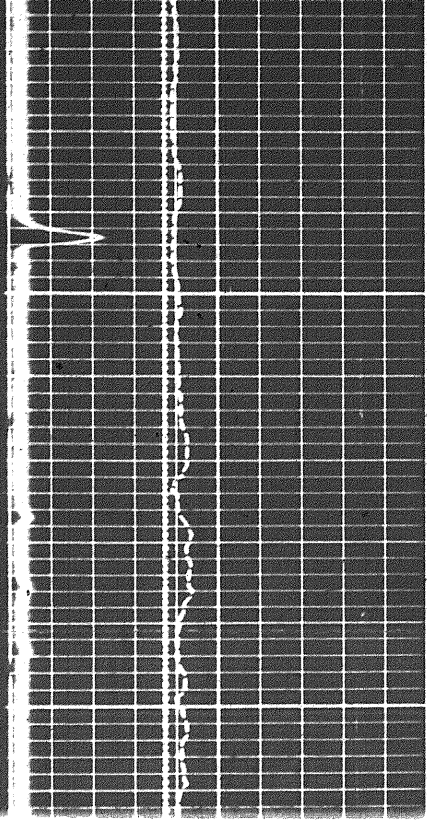
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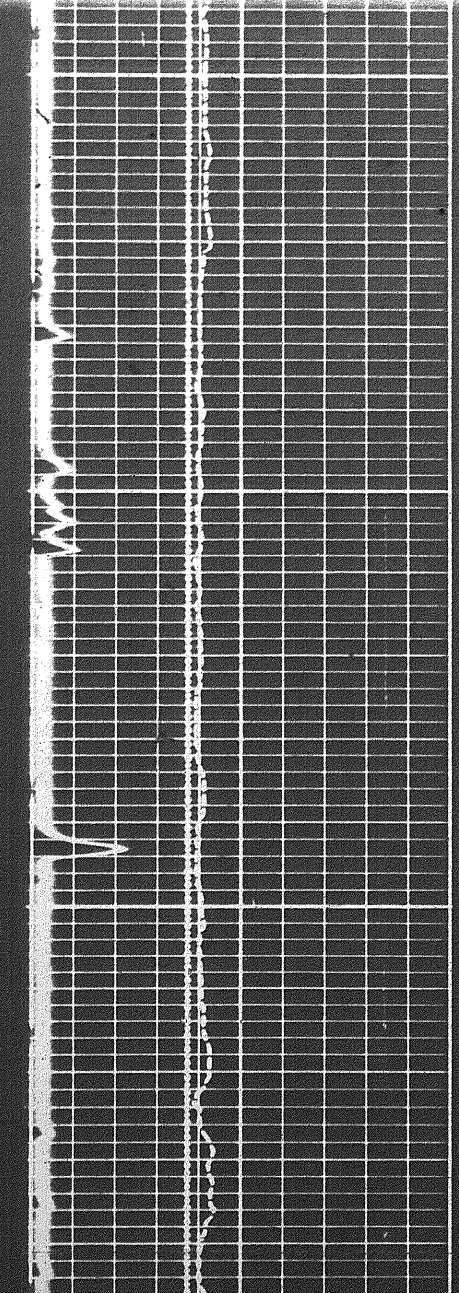


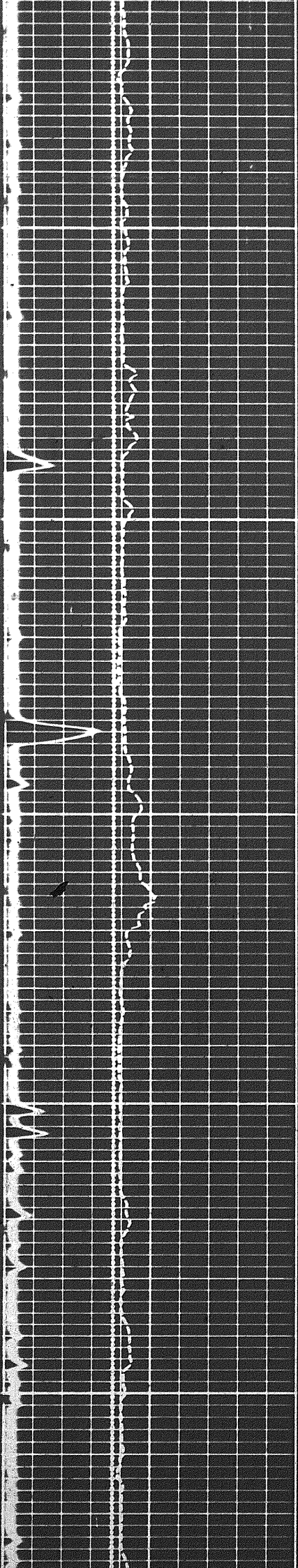
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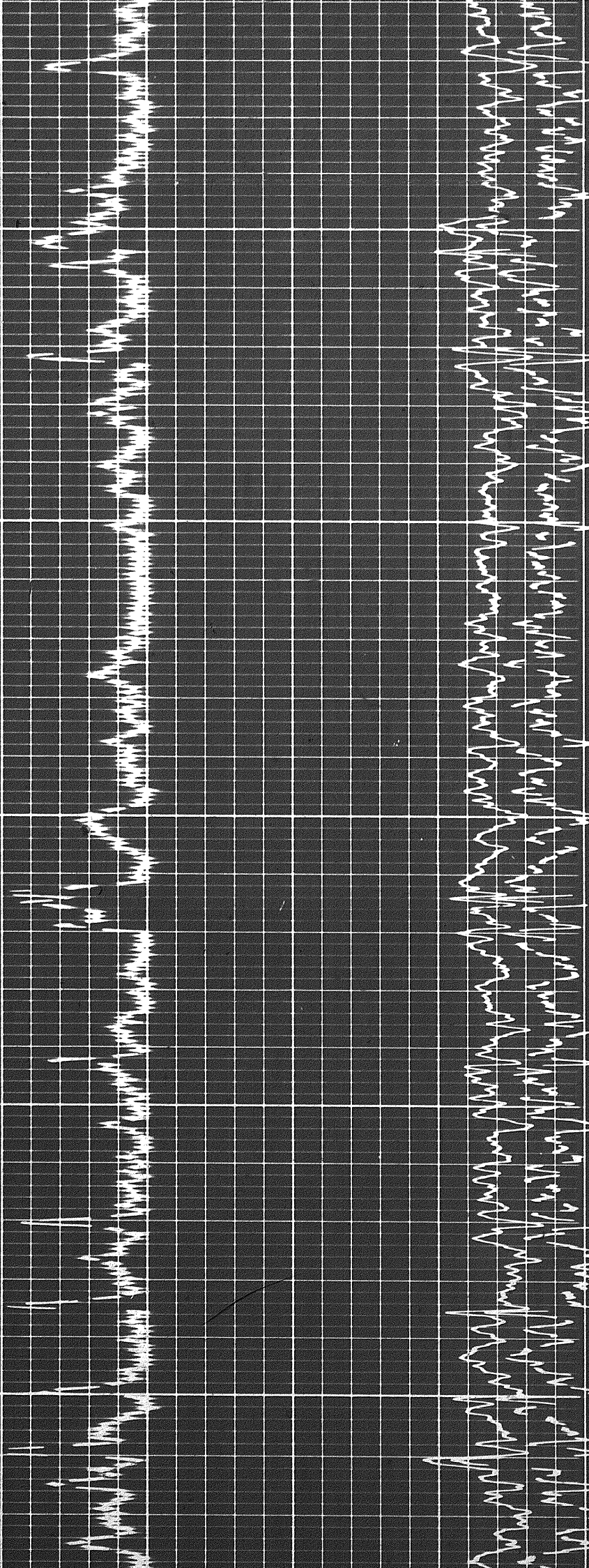
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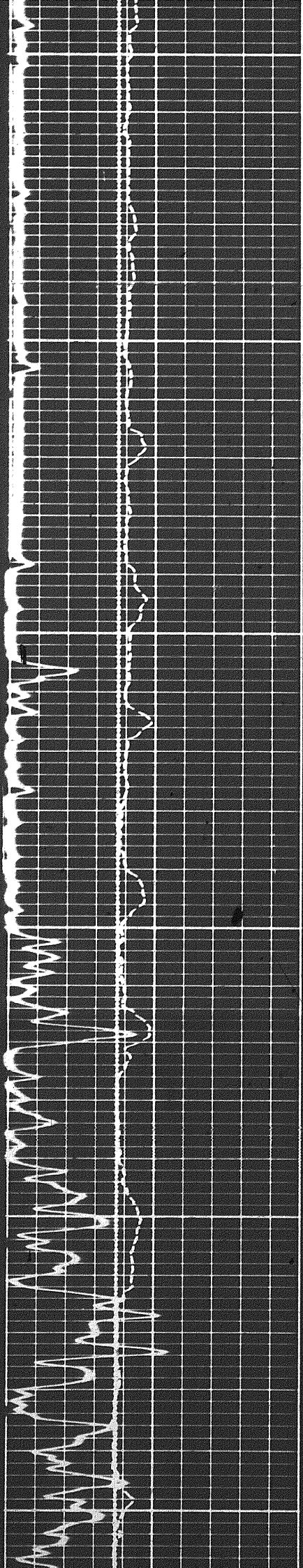


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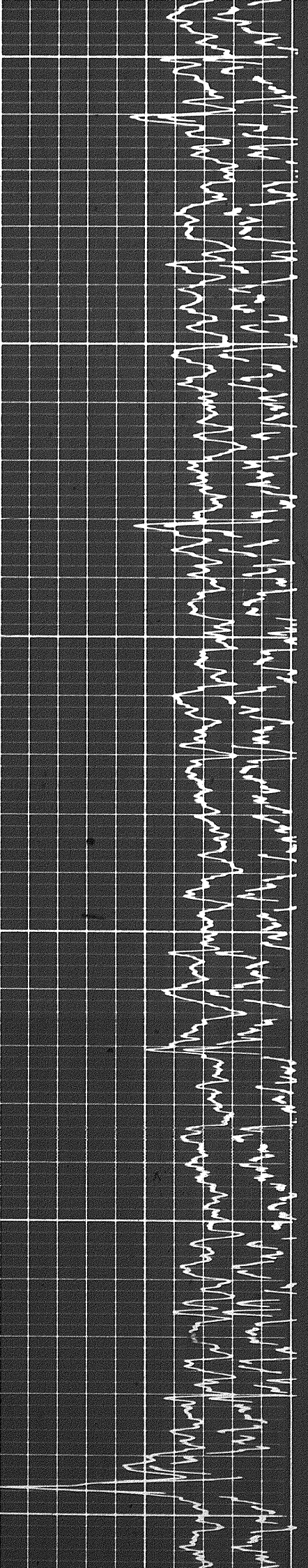
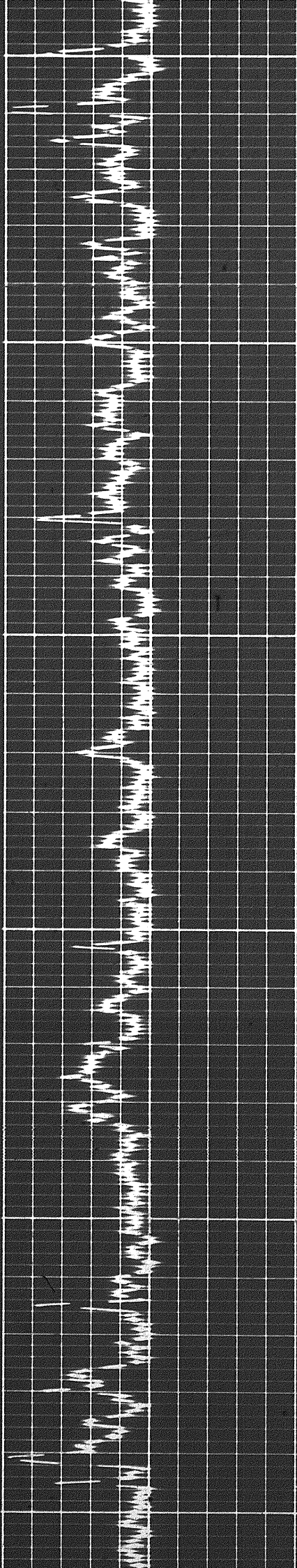
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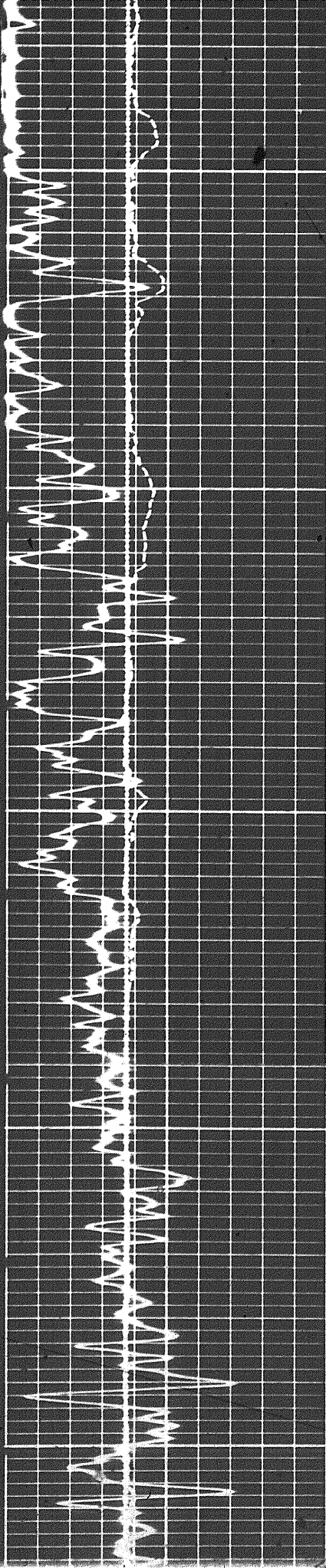


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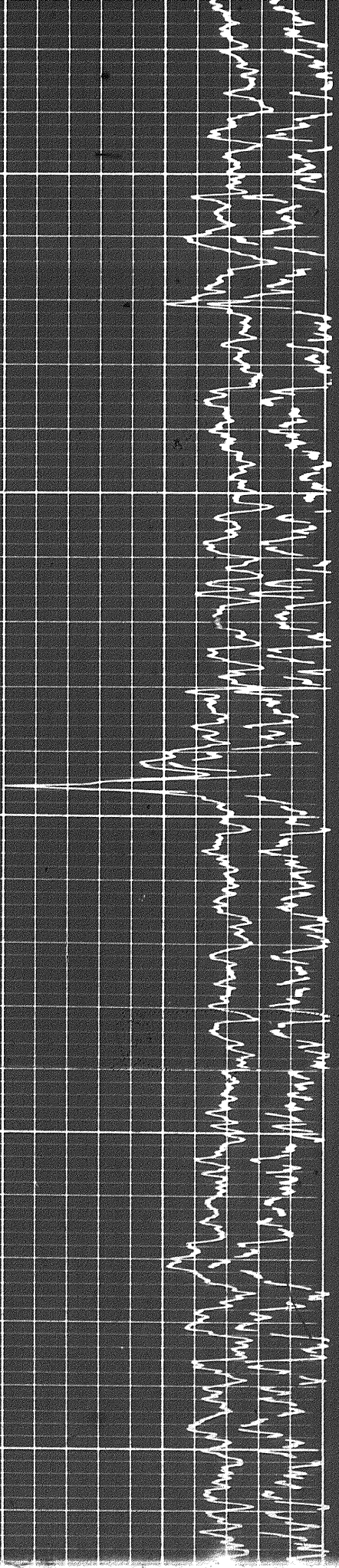
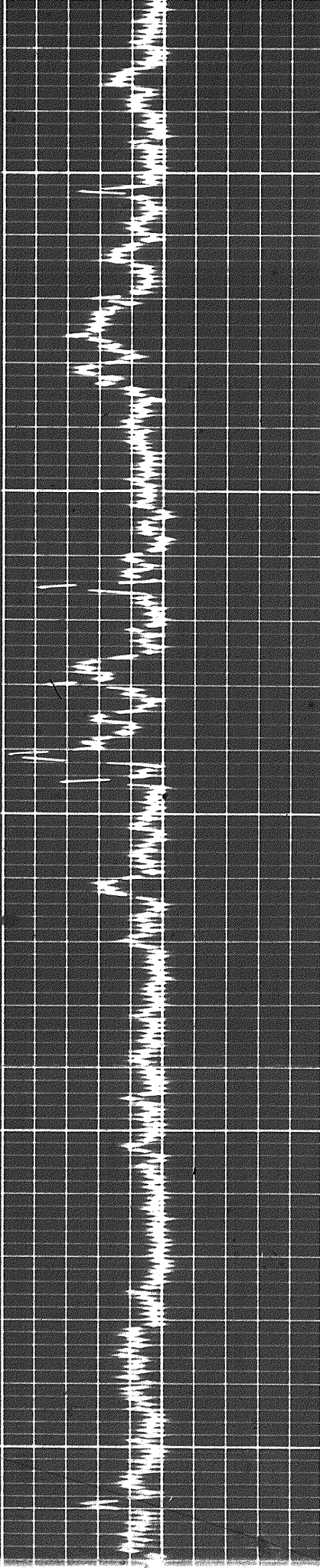


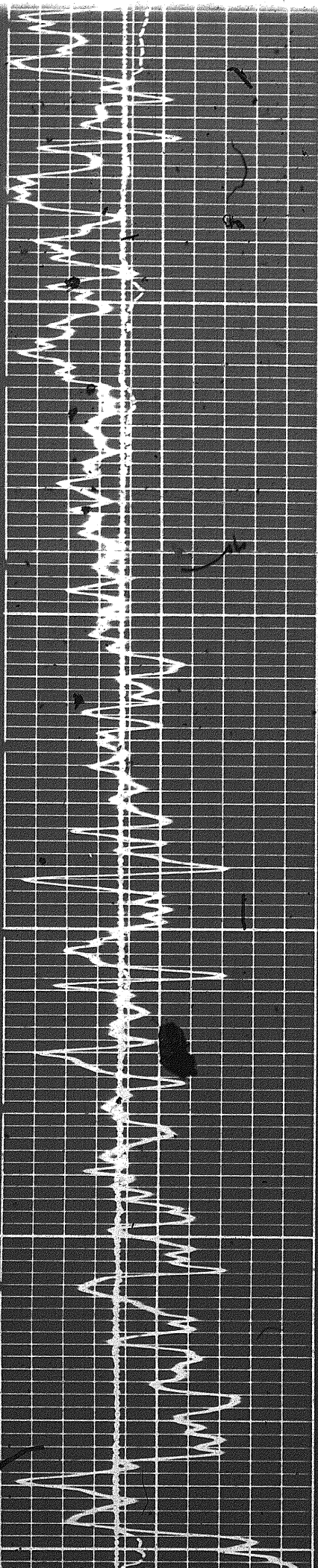


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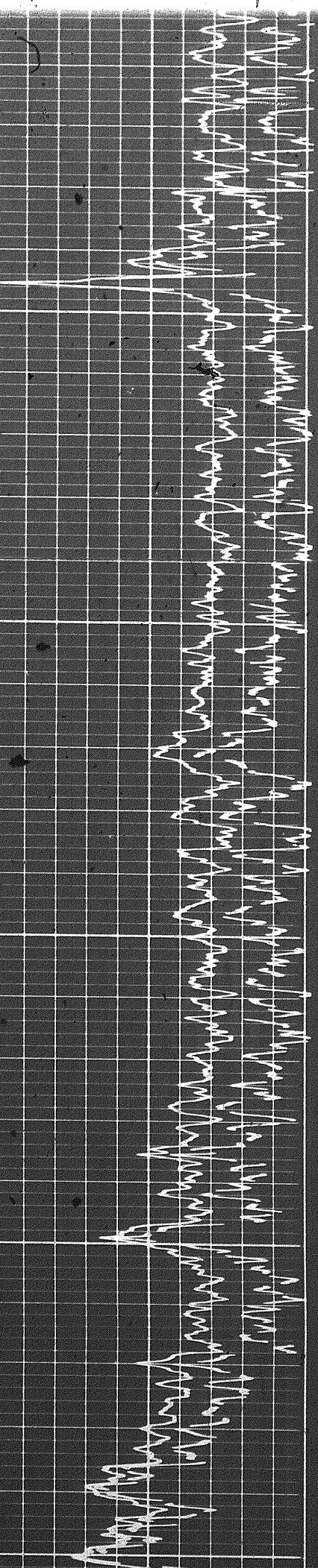
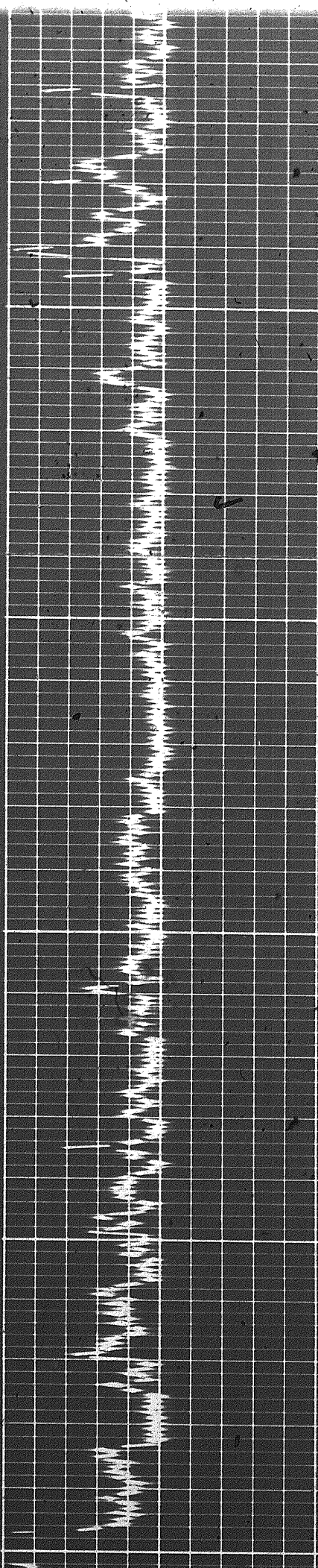


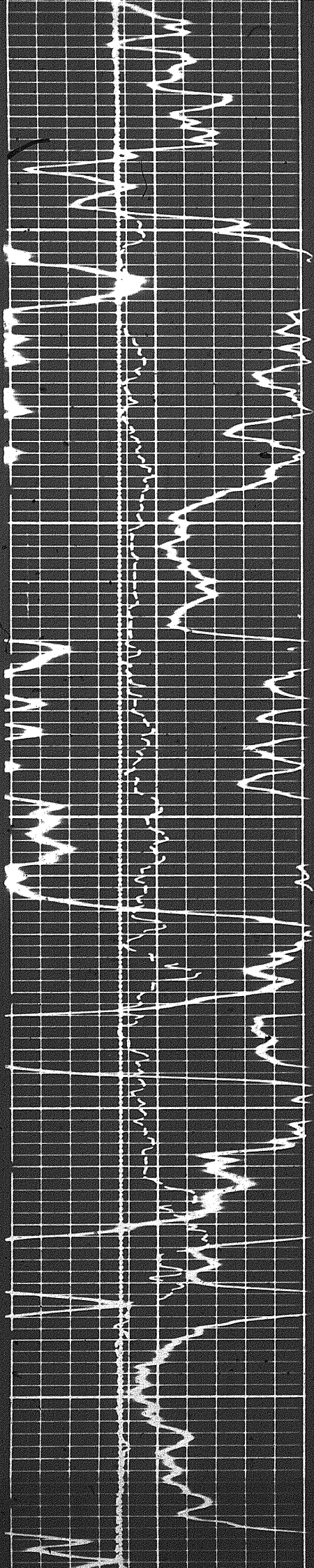


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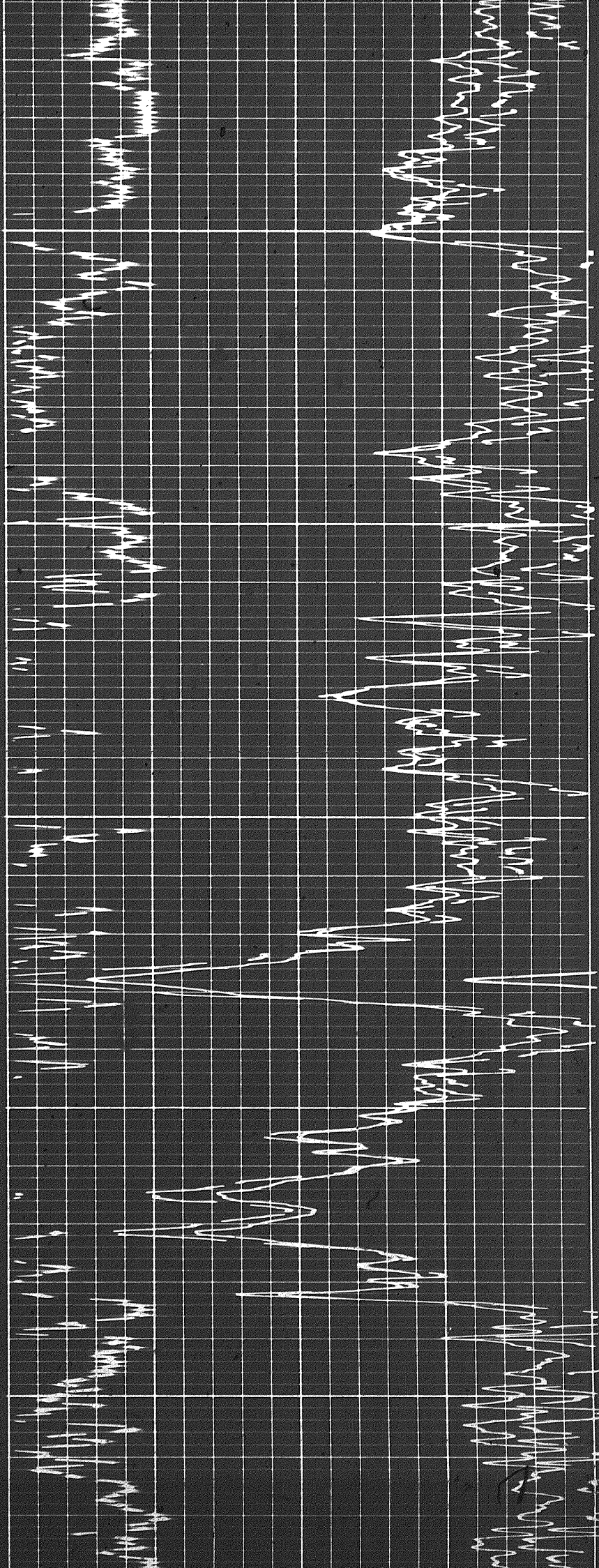


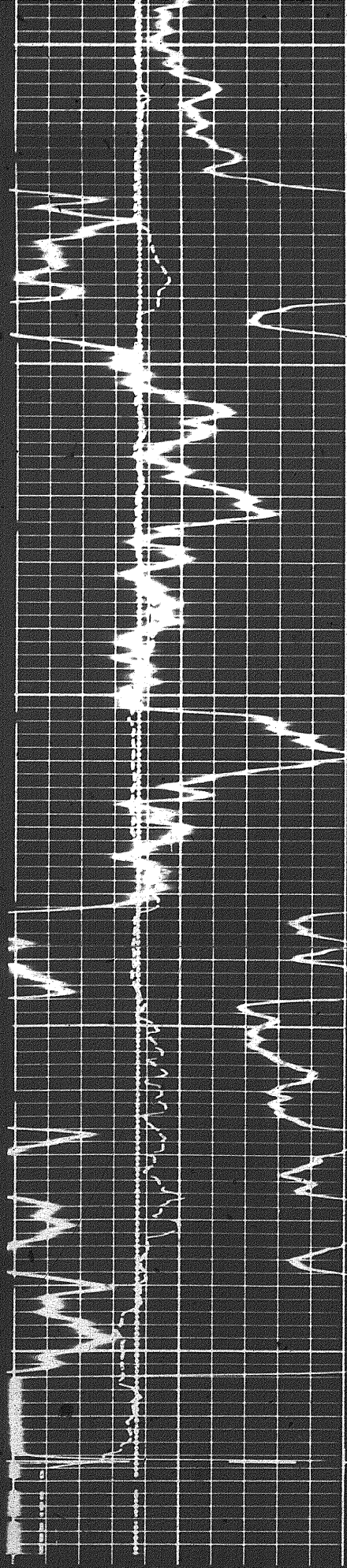


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8400

8500



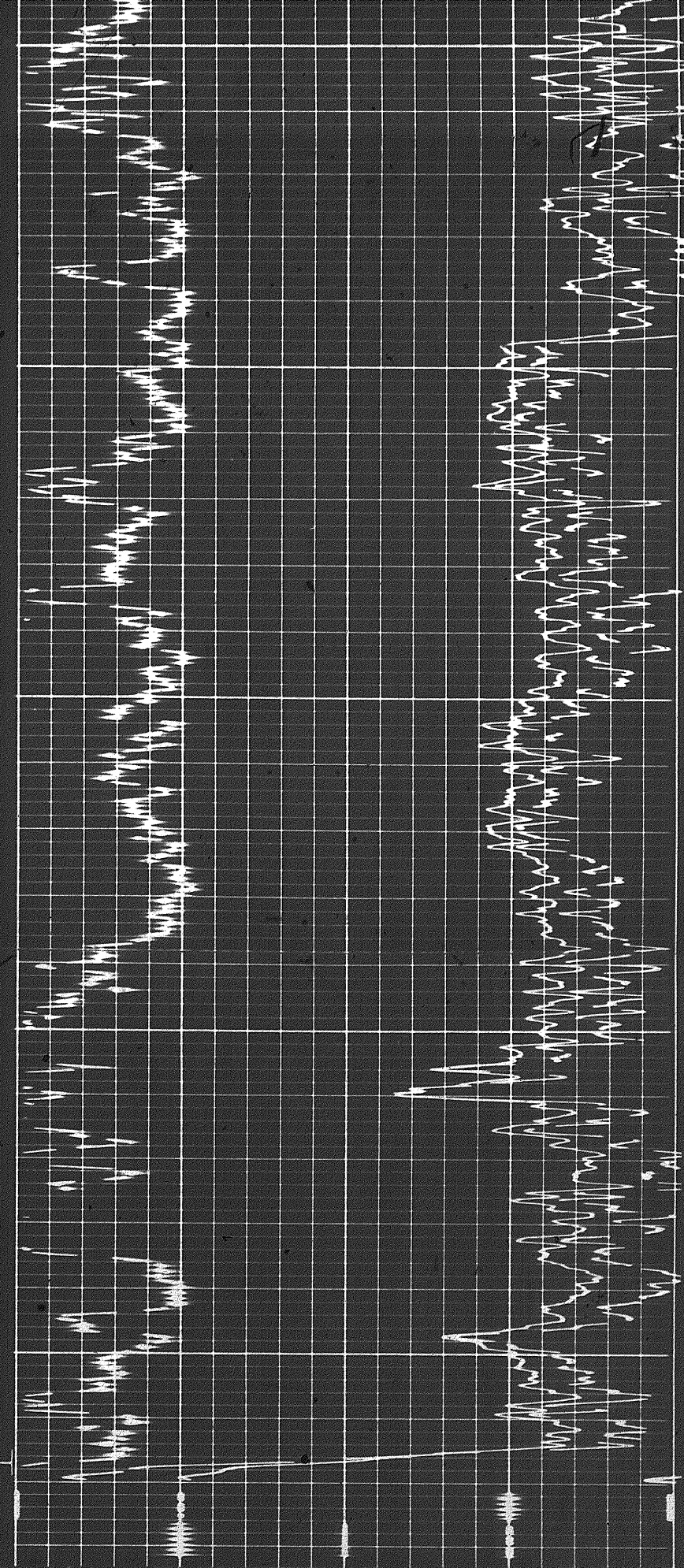


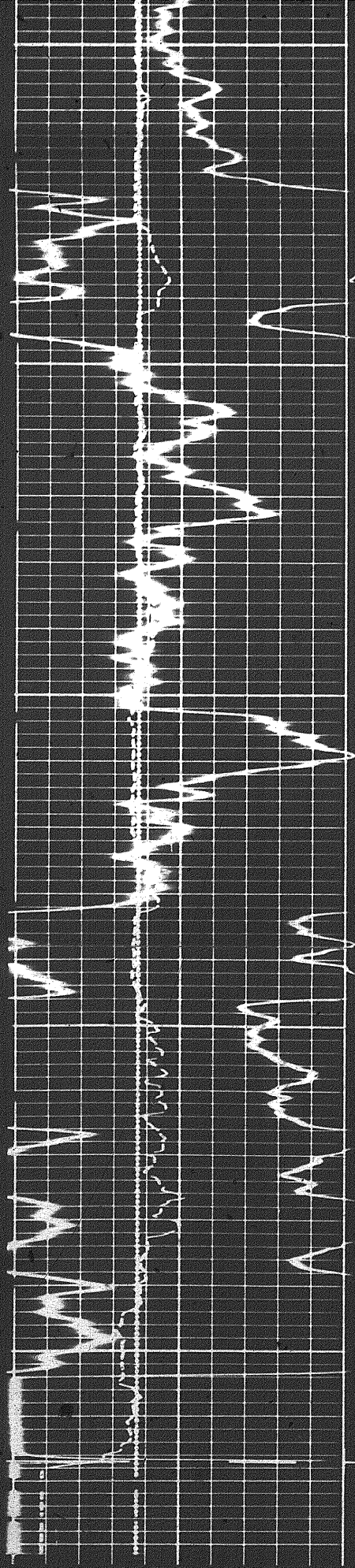
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0018

0018

0018



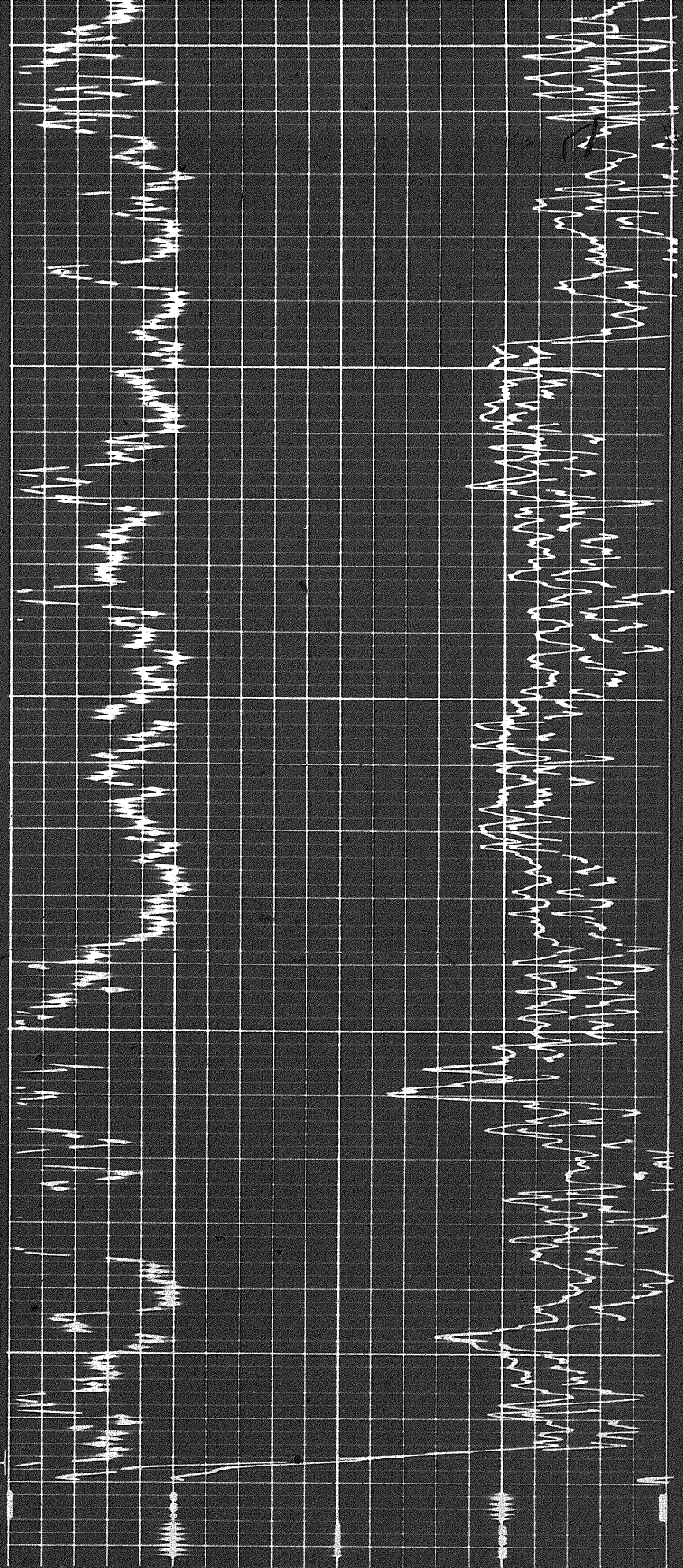


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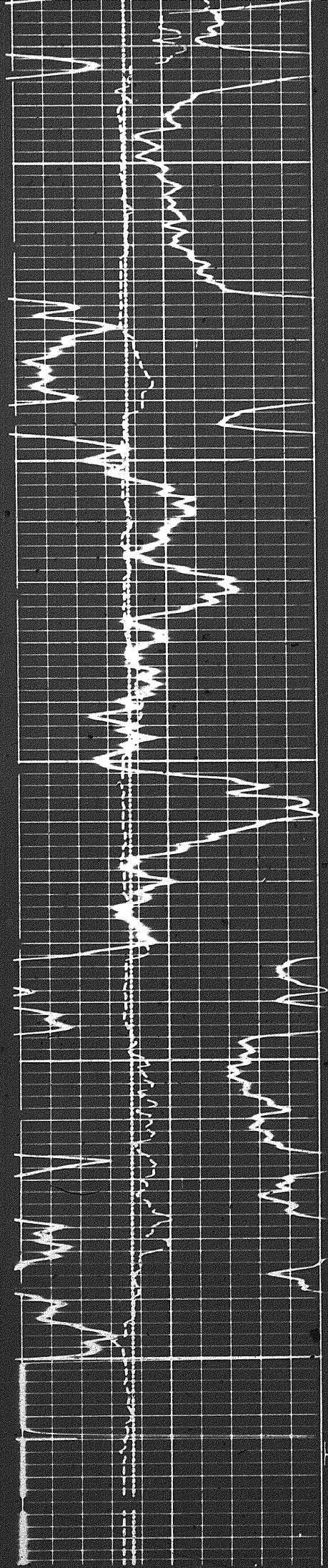
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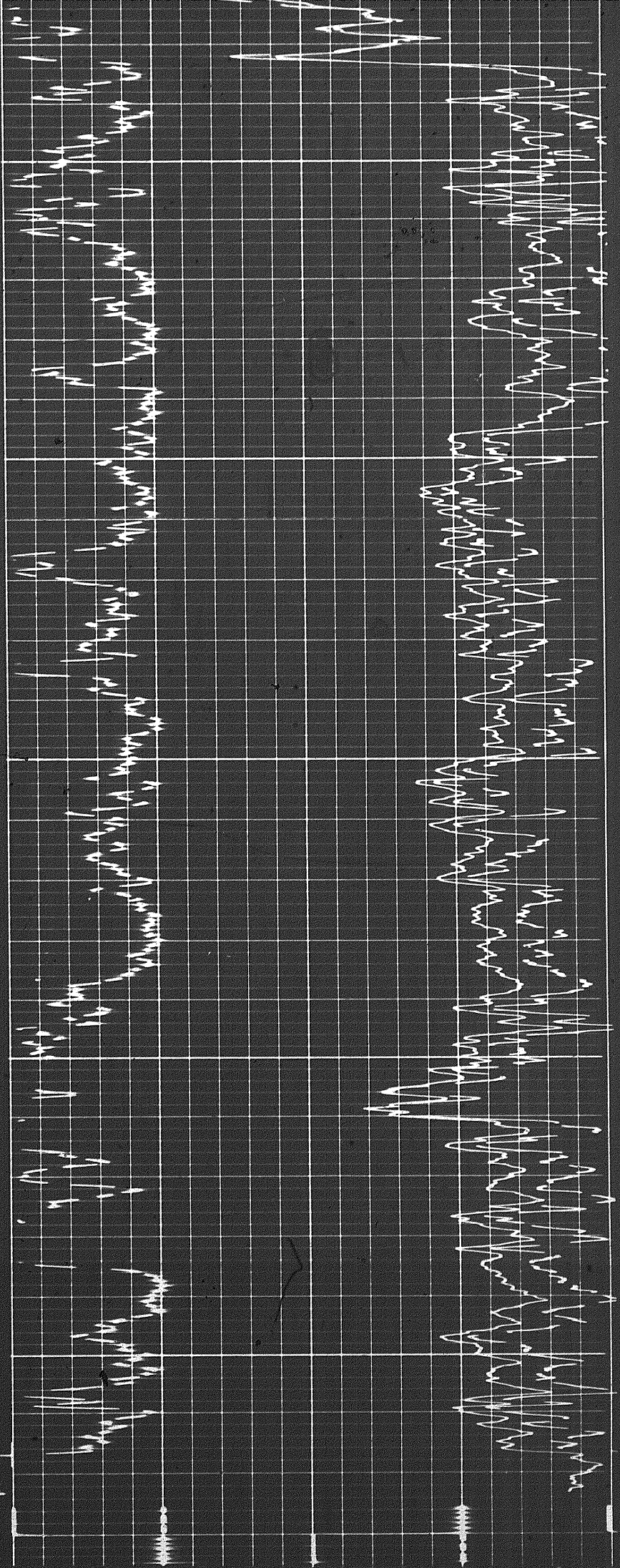


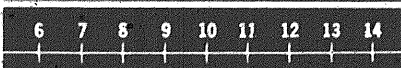
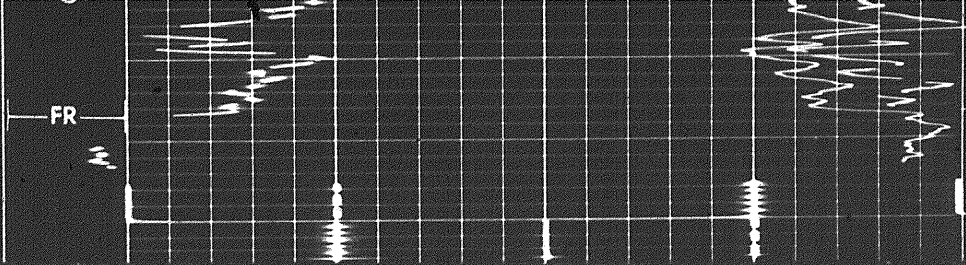
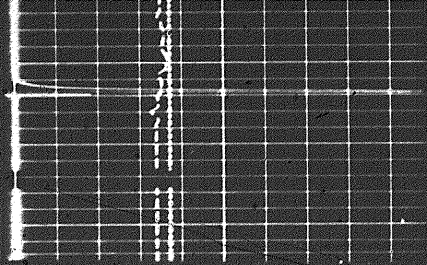
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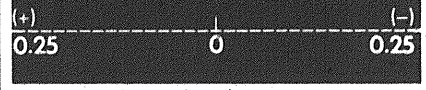
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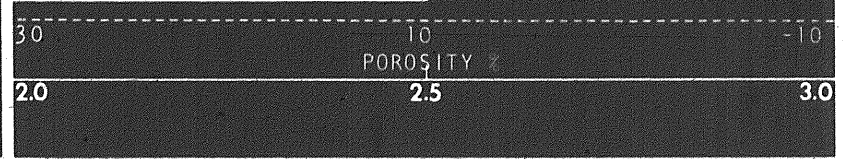
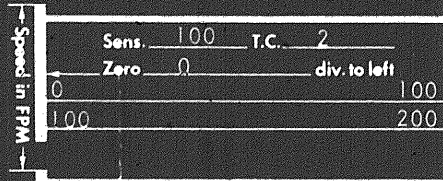


CALIPER
hole diameter in inches



DENSITY CORRECTION
 $\Delta\rho$ - gm/cc

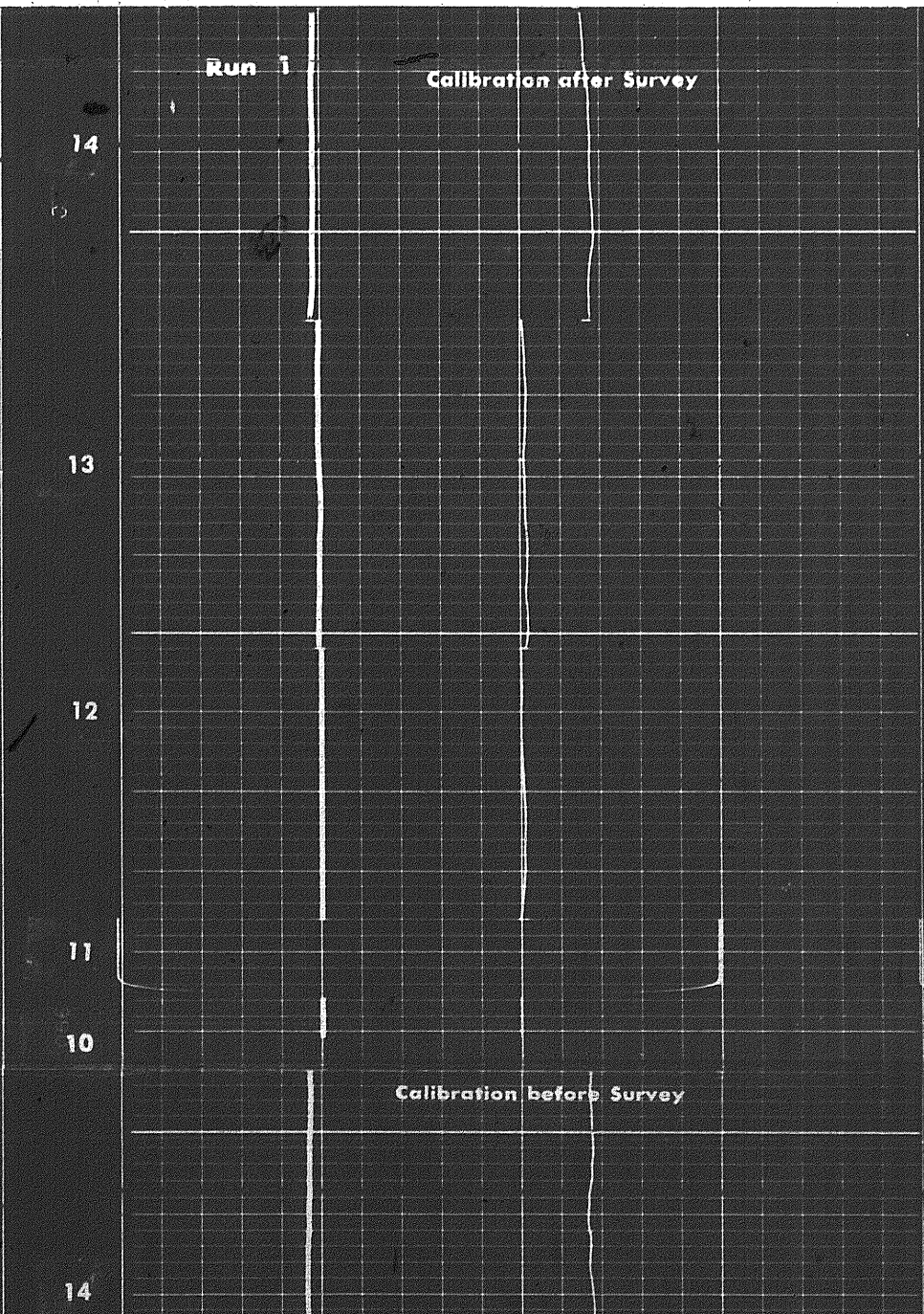
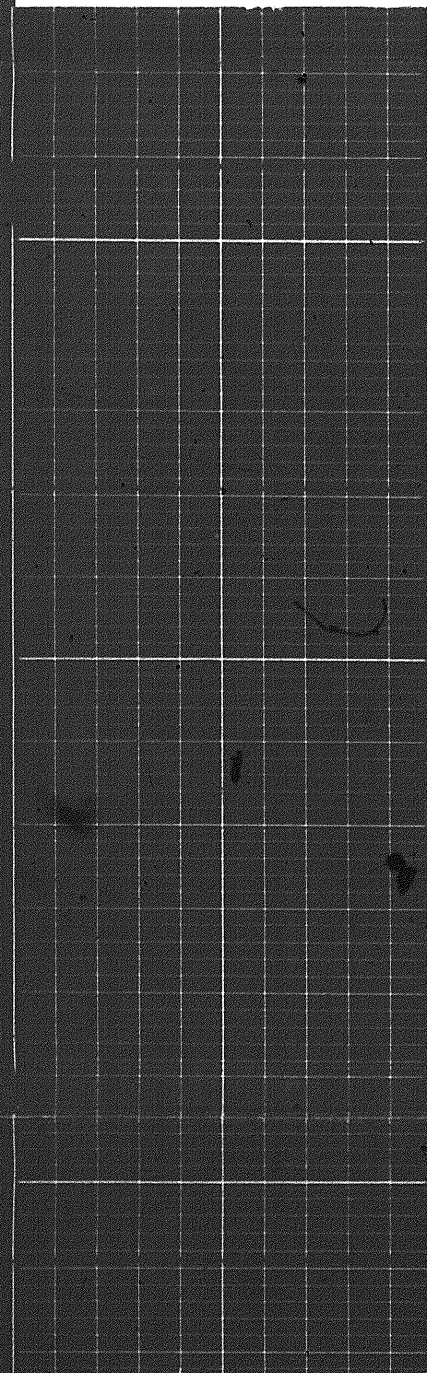
Rho-g = 2.71
Rho-f = 1.00



GAMMA RAY
API UNITS

DEPTH

BULK DENSITY
 ρ_b - gm/cc



Calibration before Survey

14

13

6 7 8 9 10 11 12 13 14

CALIPER
hole diameter in inches

Sens. 100 T.C. 2
Zero 0 div. to left

0 100
100 200

Speed in FPM

(+) 0.25 0 (-) 0.25

DENSITY CORRECTION
 $\Delta\rho - \text{gm/cc}$

Rho-g = 2.71
Rho-f = 1.00

30 10 -10
POROSITY %
2.0 2.5 3.0

GAMMA RAY
API UNITS

DEPTH

BULK DENSITY
 $\rho_b - \text{gm/cc}$

Run 1

Calibration after Survey

14

13

12

26026

0000

Calibration before Survey

COMPANY INEXCO OIL COMPANY

WELL INEXCO HUSKY ET AL PORCUPINE YT G-31

FIELD WILDCAT PROVINCE YUKON TERRITORIES

