

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

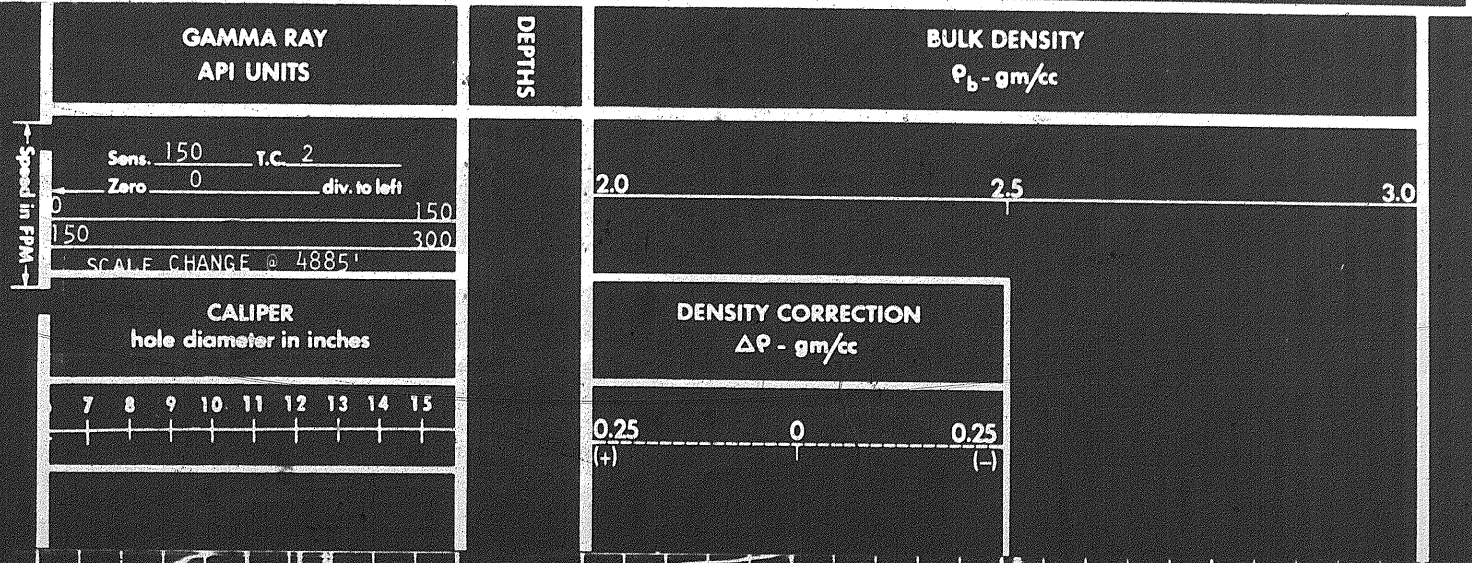
COMPANY INEXCO OIL COMPANY
WELL INEXCO HUSKY ET AL PORCUPINE
FIELD WILDCAT
PROVINCE YUKON TERRITORIES
LOCATION 66° 21' 22" N LAT.
140° 06' 13" W LONG.
Permanent Datum GL Elev. 3008.4
Log Measured From KB 16.6 Ft. Above Perm. Datum
Other Services: SIC-GR, DIL, JDT, SNP-GR
ELEV. KB 3025.0
GL 3008.4
GRF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

Date	Run No.	First Reading	Last Reading	Feet Measured	Depth Reached	Bottom Driller	Cp. SOC	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	4887	990	988	STIFF FOAM & AIR	8.7	8.0	28.5	---	---	---	---	12 1/4"	16"	PGT-D	4.5 HRS	OSU-C-307	STUEHMER	TIFFIN	
22 MAR 72	TWO	8717	4900	3895	8719	4887	4900	988	GEL	4.0	---	---	---	---	---	---	8 3/4"	16"	PGT-D	4 HRS	OSU-C-307 REM	STUEHMER	TIFFIN	

EXTENSIONS ONLY
of Logline Meters
of Logline Meters
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	HOLE DRILLED WITH STIFF FOAM & AIR	
Cartridge No. A 341 A 72	SEEPING FORMATION WATER PLUS 250 BARRELS OF	
Sonde No. F 555 E 194	RIG WATER FILLED HOLE TO CASING PRIOR TO	
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
Gamma Ray	30	410
RUN 2:	20	420
		Galvanometer Deflection Div.
		10.0
		10.0
		Panel Sens. Tap for Cal.
		PGP

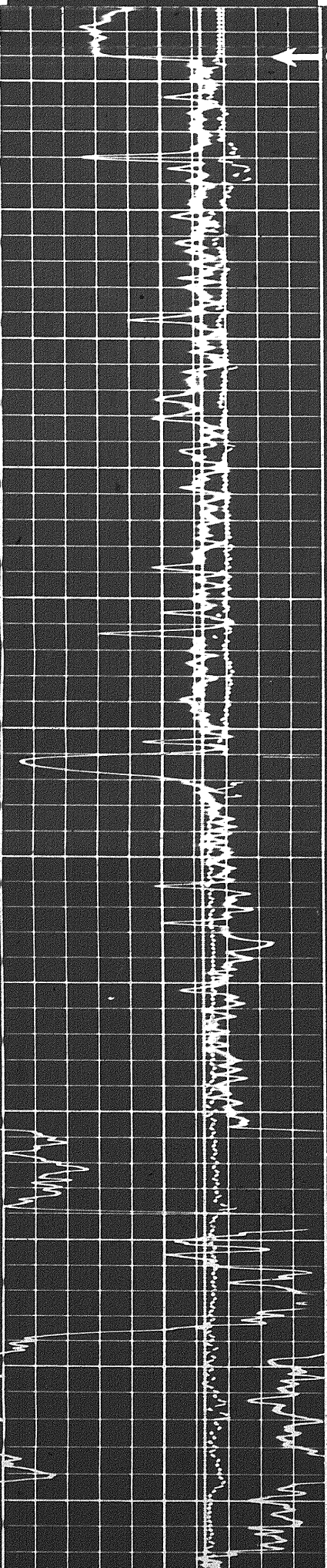


hole diameter in inches

7 8 9 10 11 12 13 14 15

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

0.25 0 0.25
(+) (-)



Casing

1000

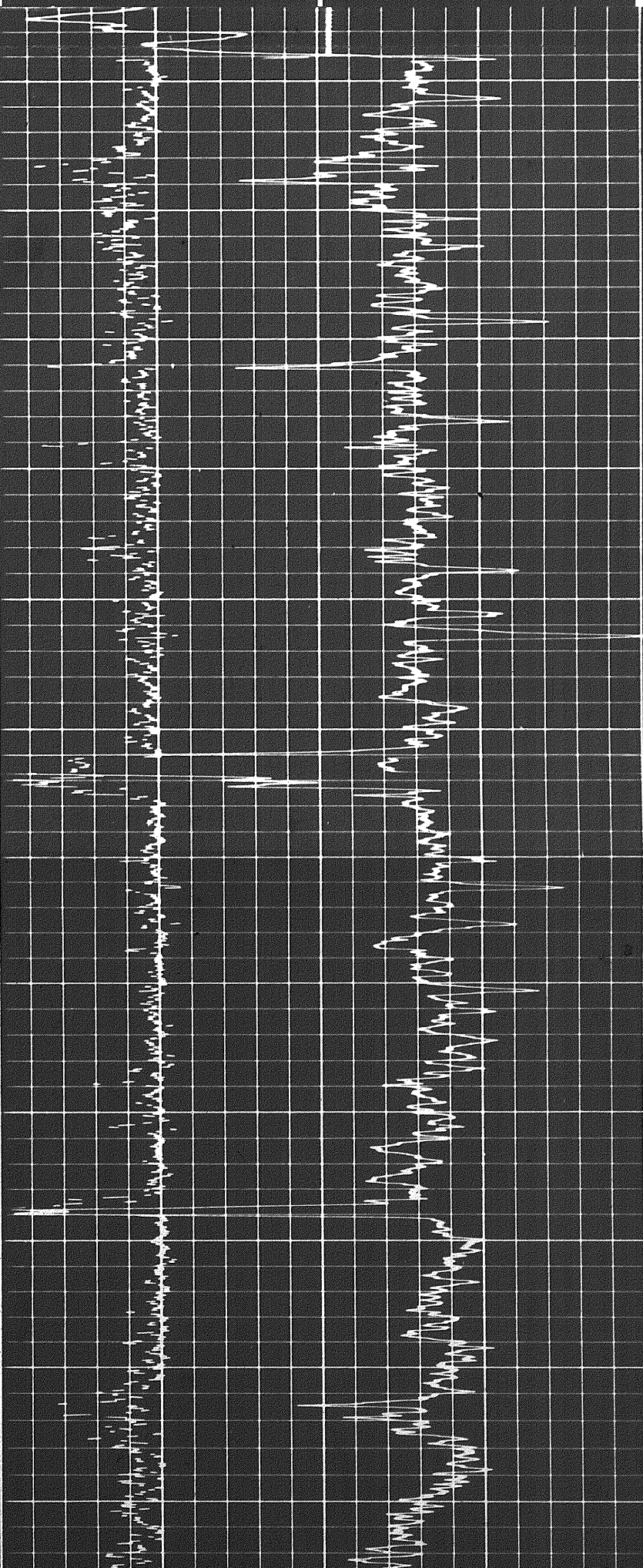
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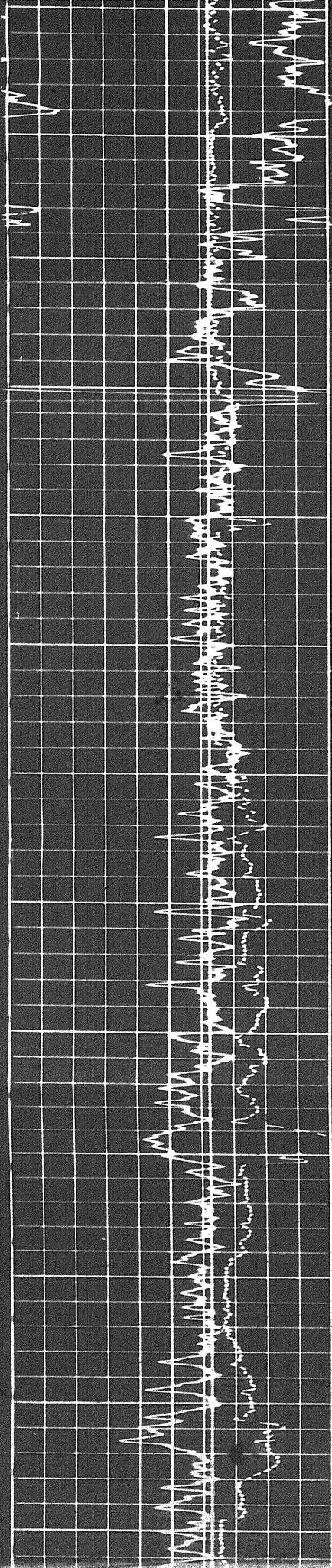
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1300

1400

1500





1600

1600

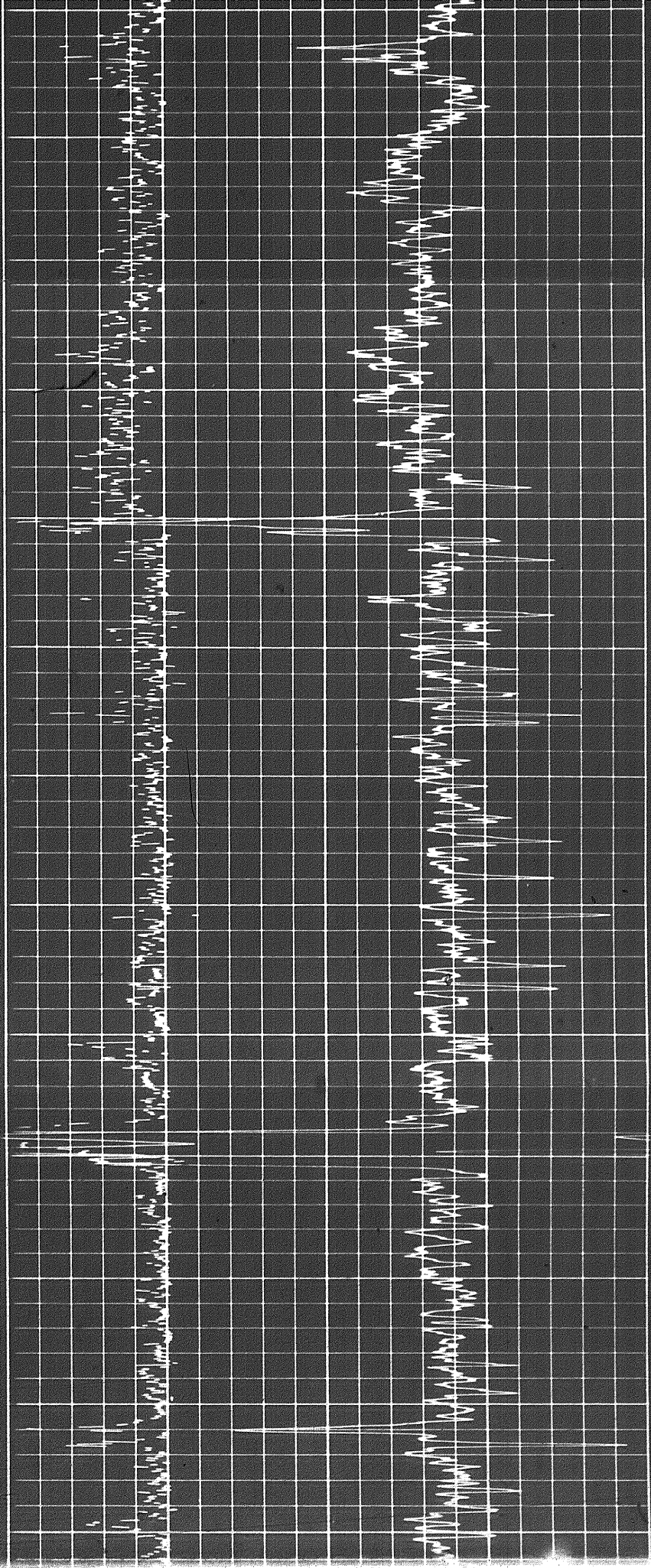
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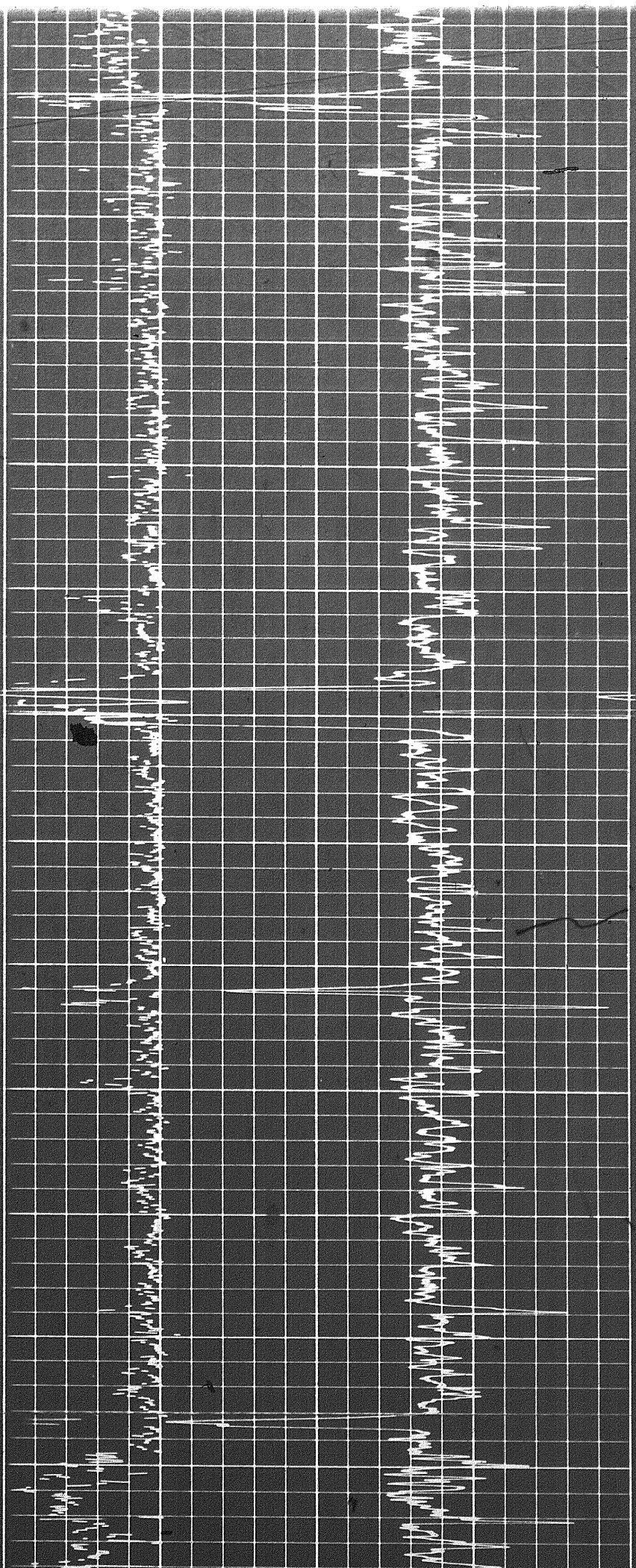
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1900

2000

2100





1700

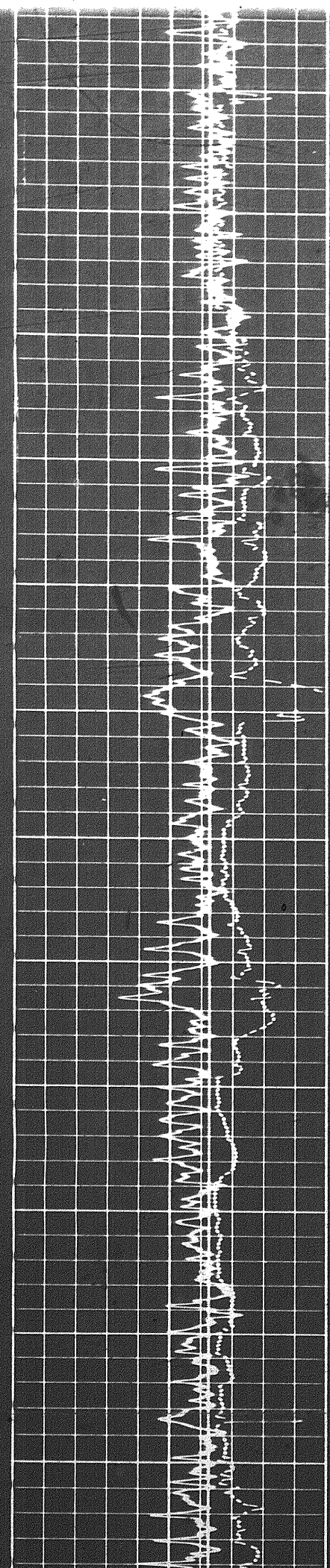
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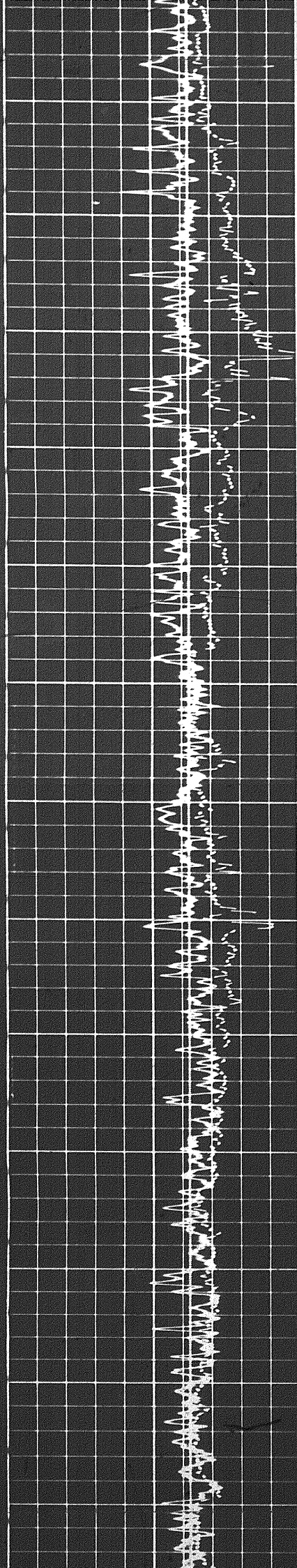
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2100

2200



92



2300

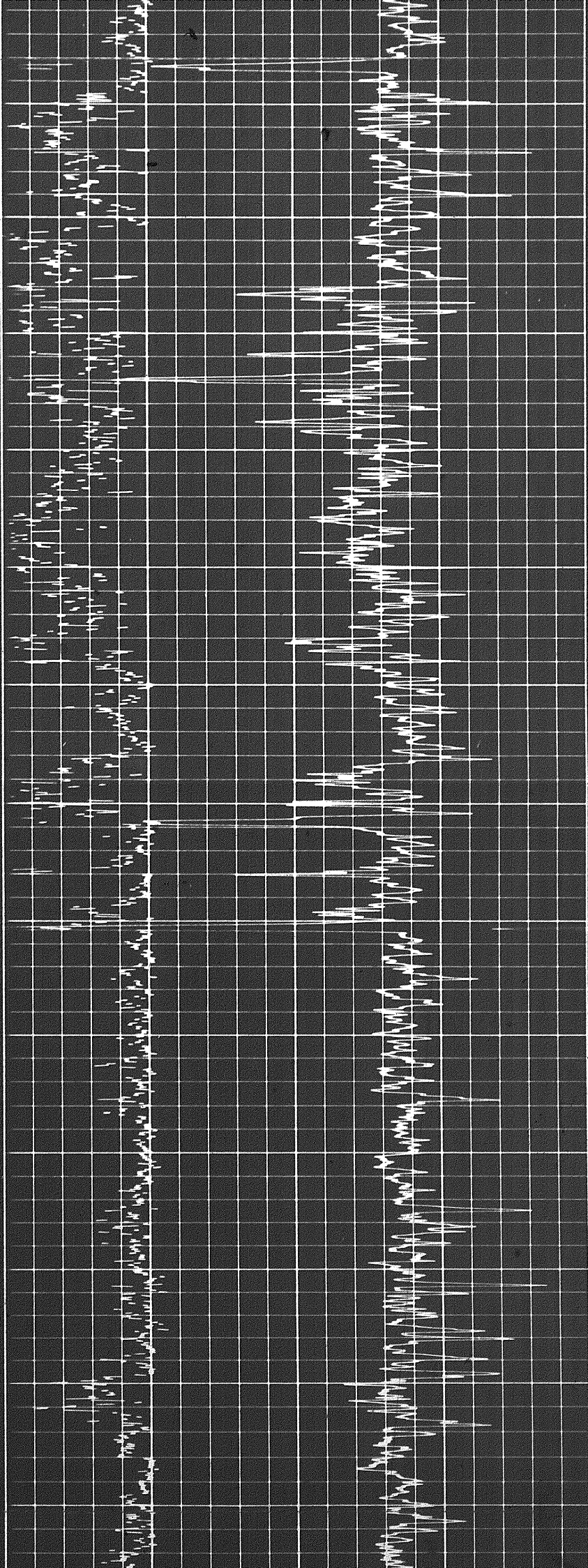
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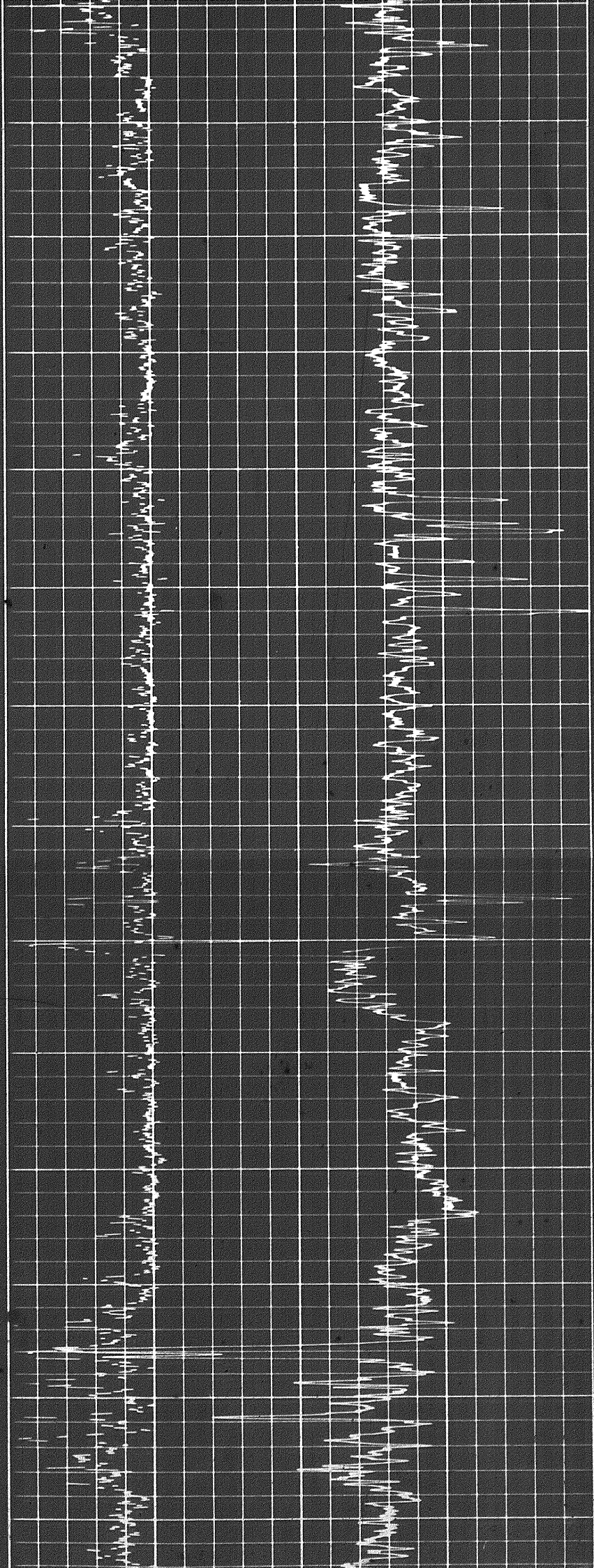
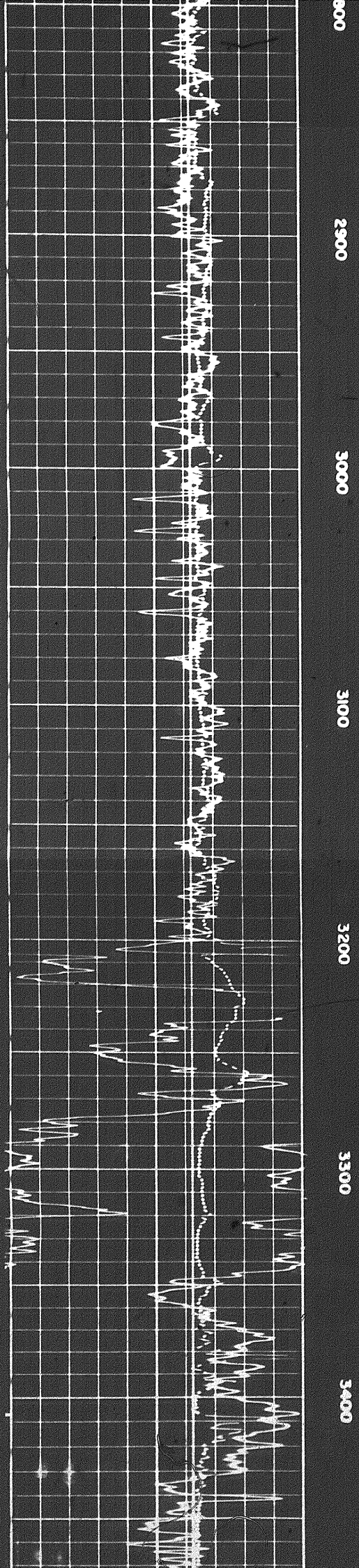
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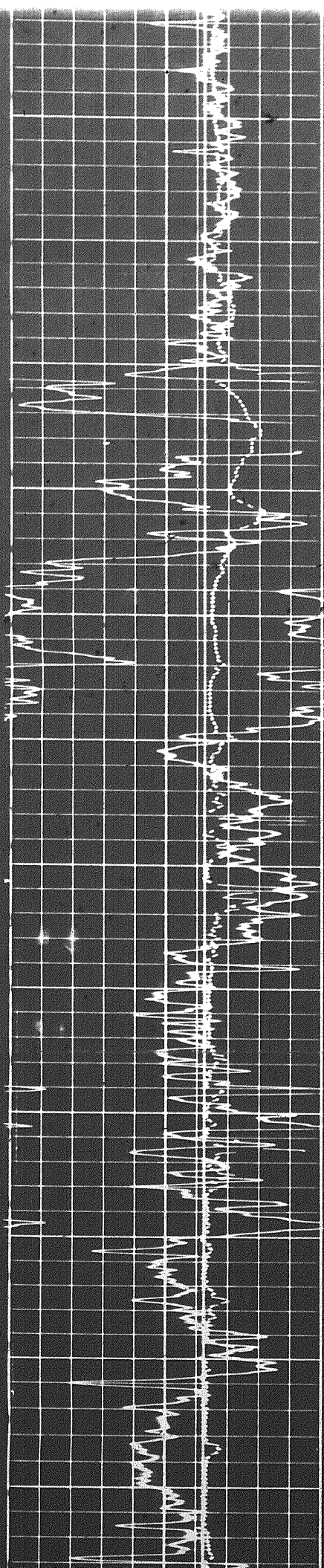
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2700

2800







3400

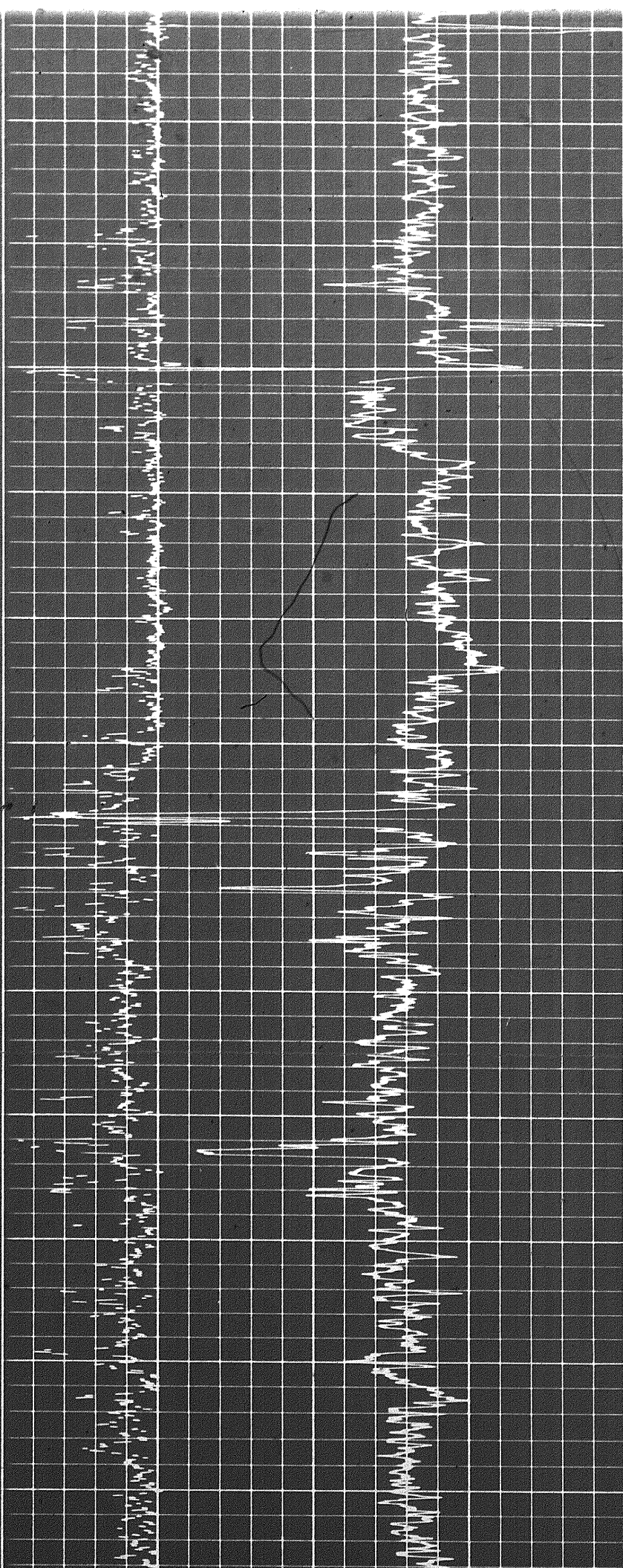
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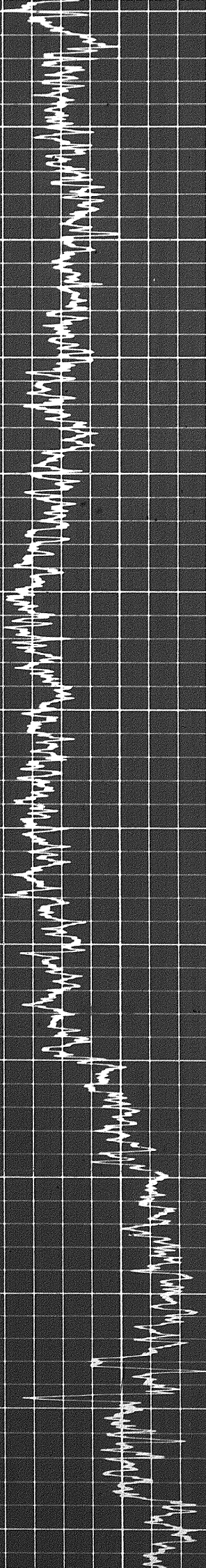
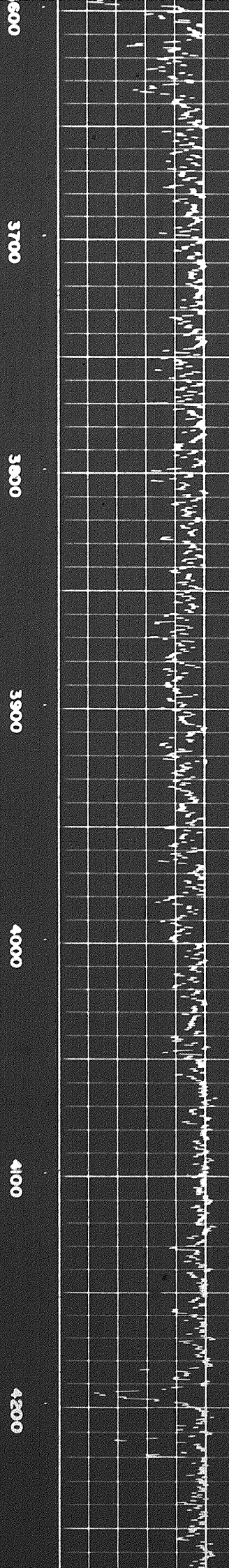
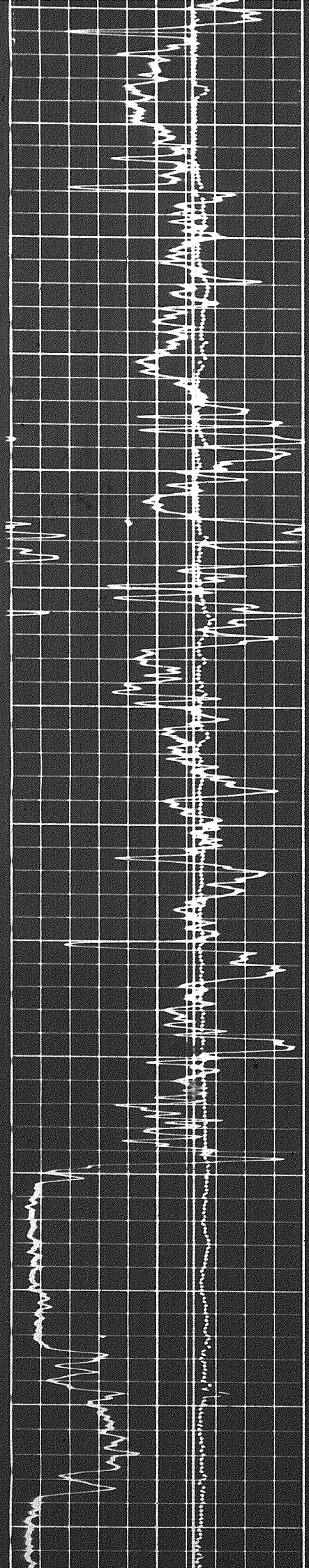
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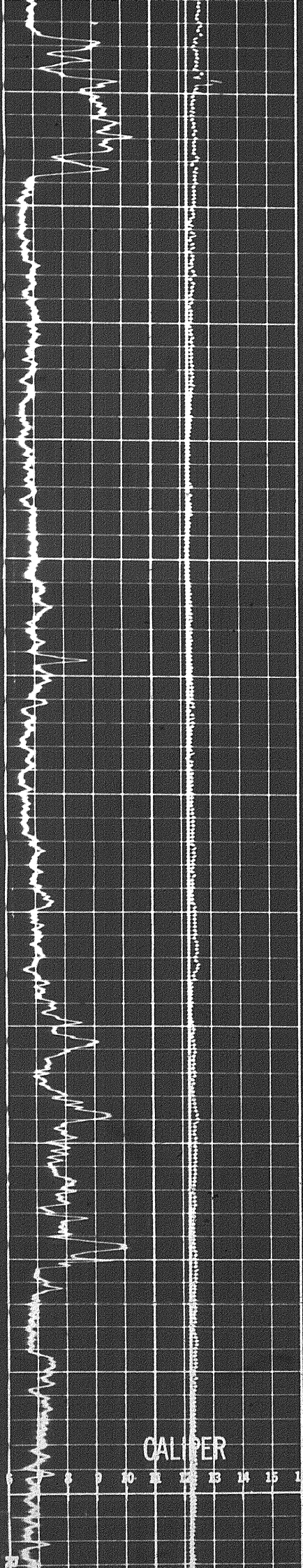
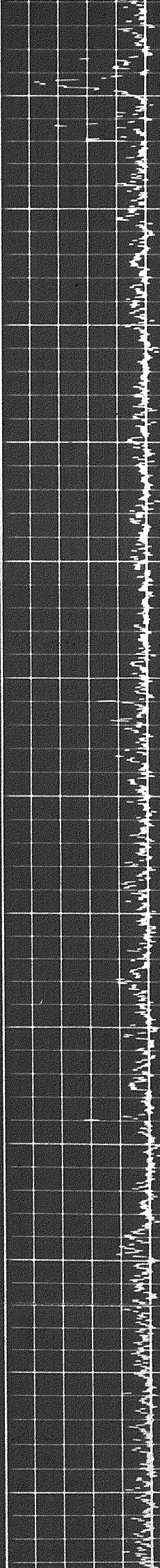
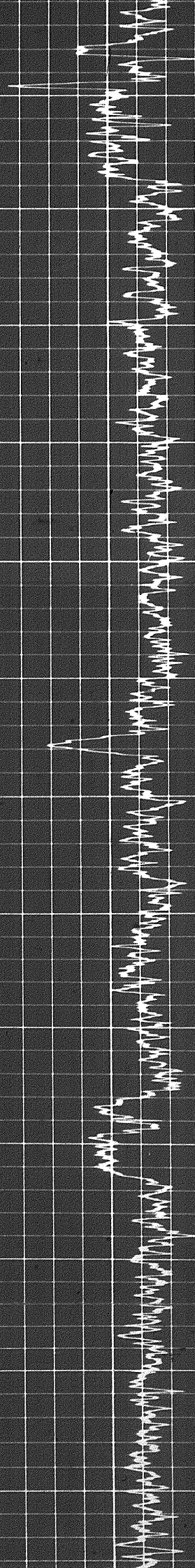
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2900



207





4200

4300

4400

4500

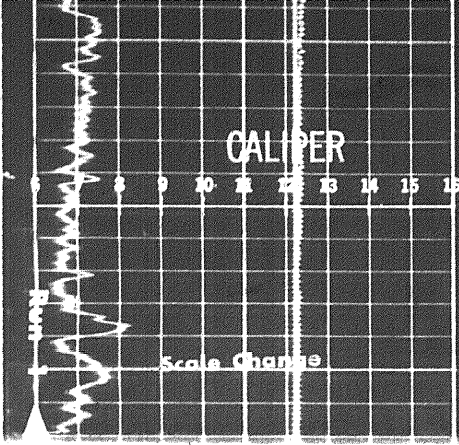
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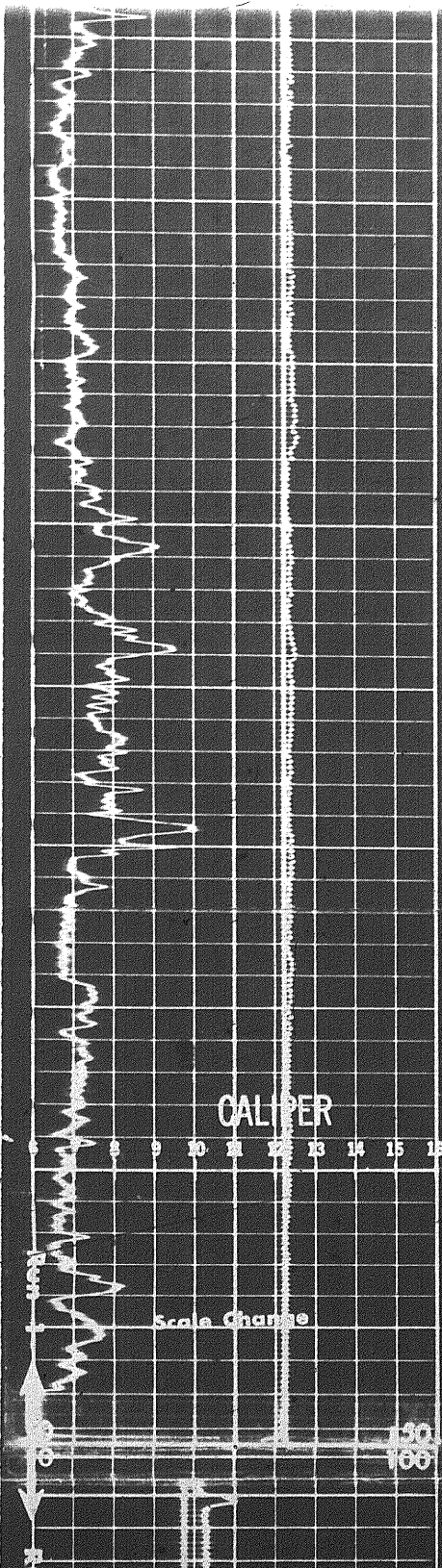
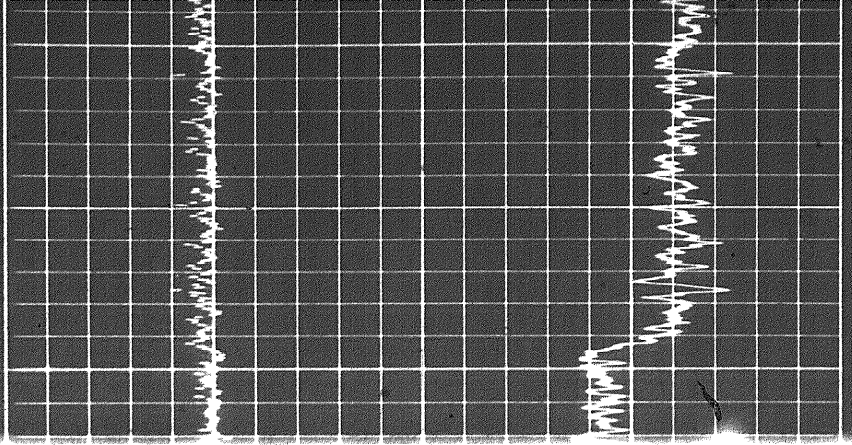
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CALIPER

9 10 11 12 13 14 15 16



4800



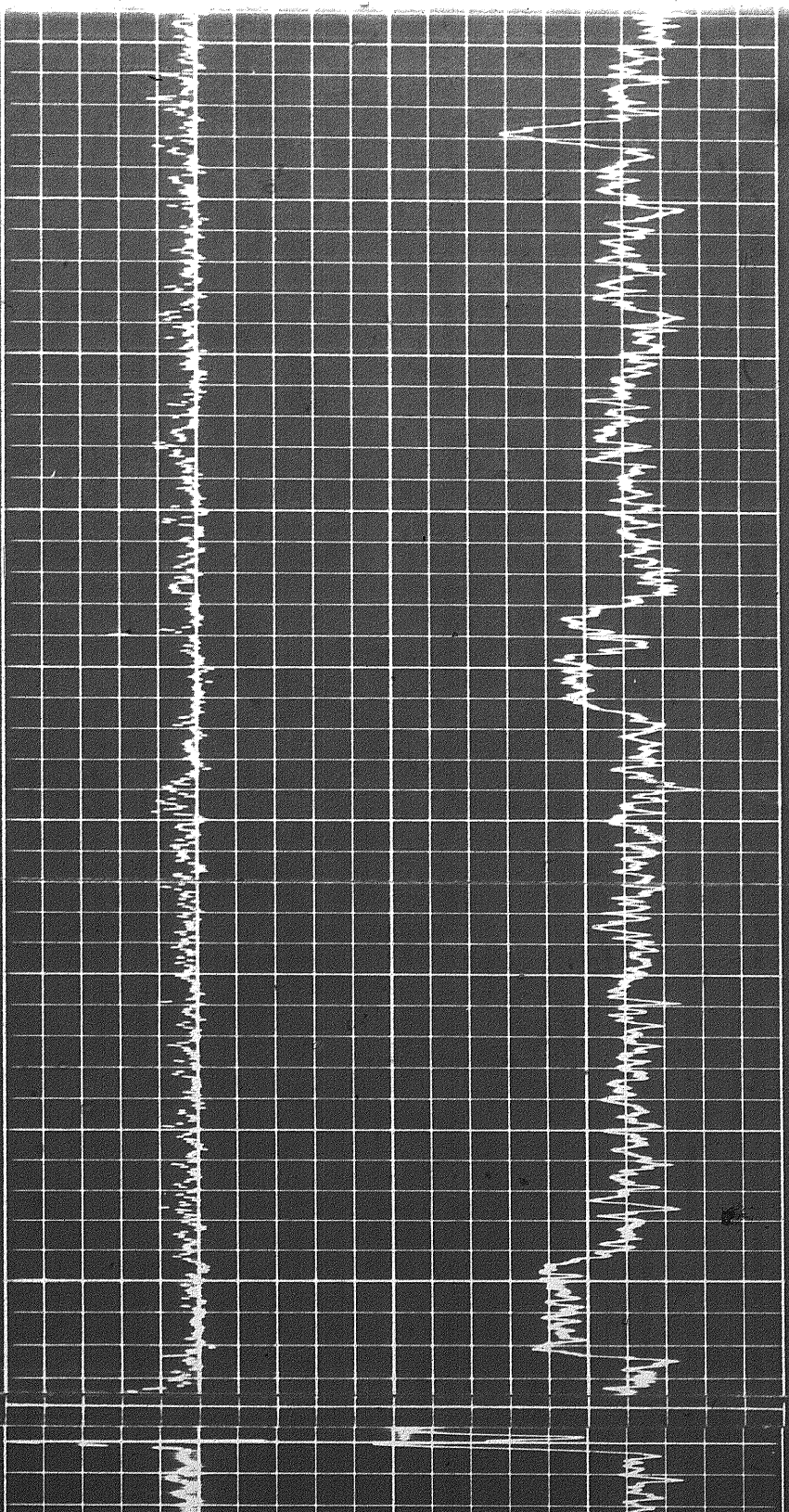
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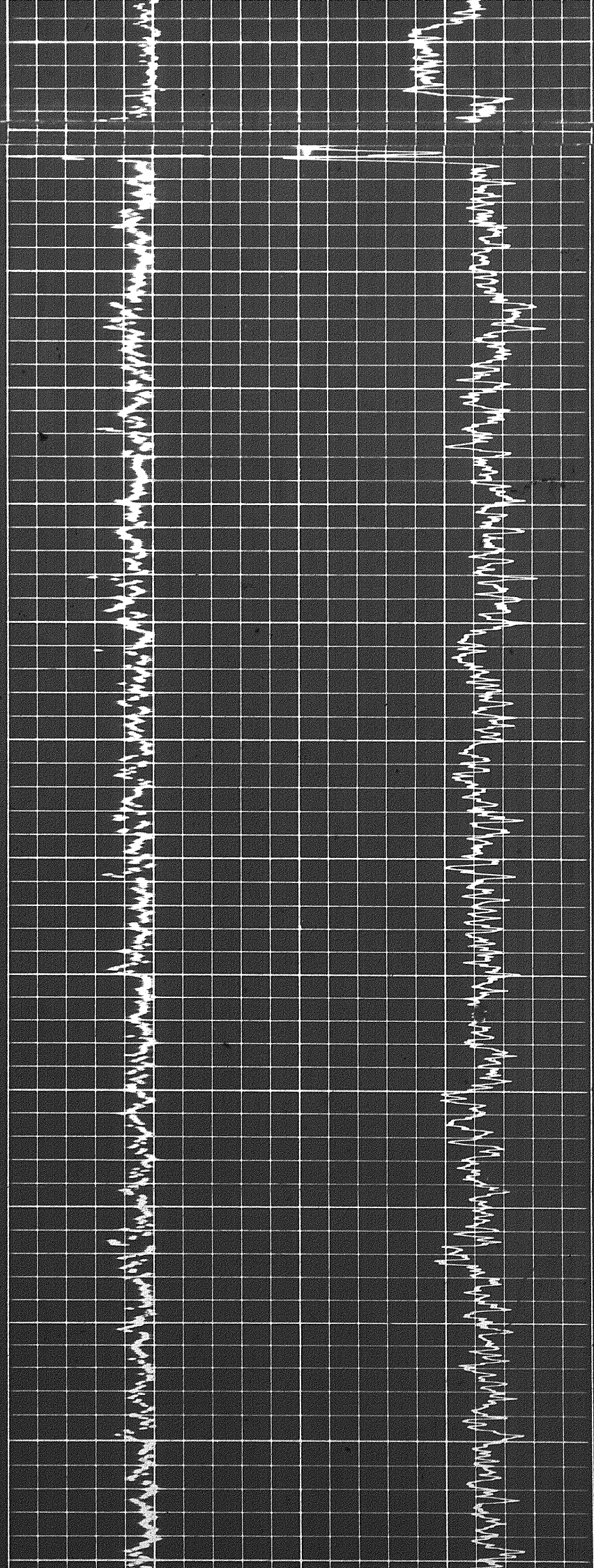
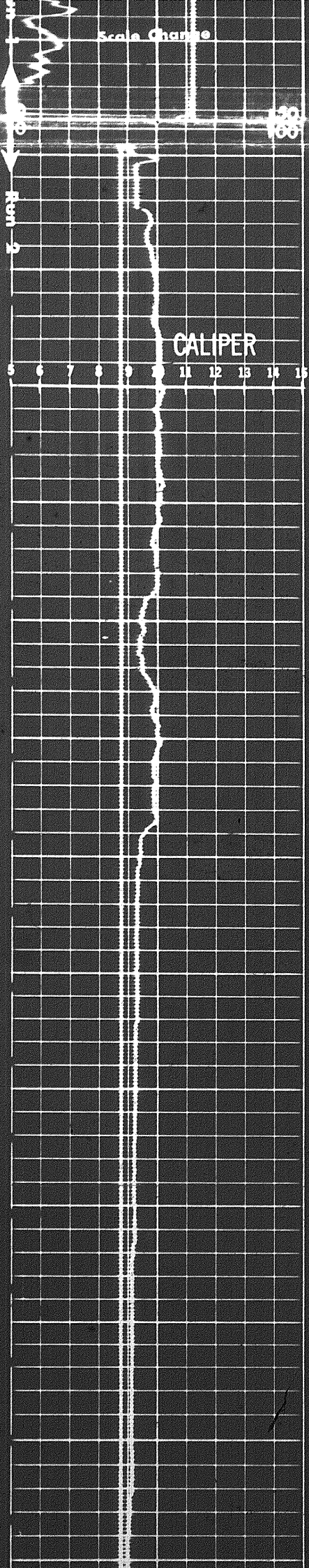
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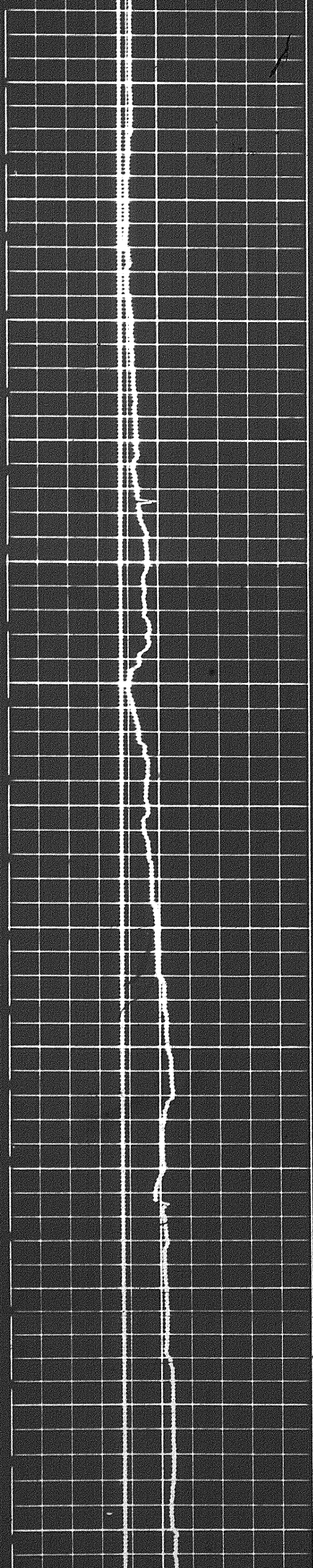
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110

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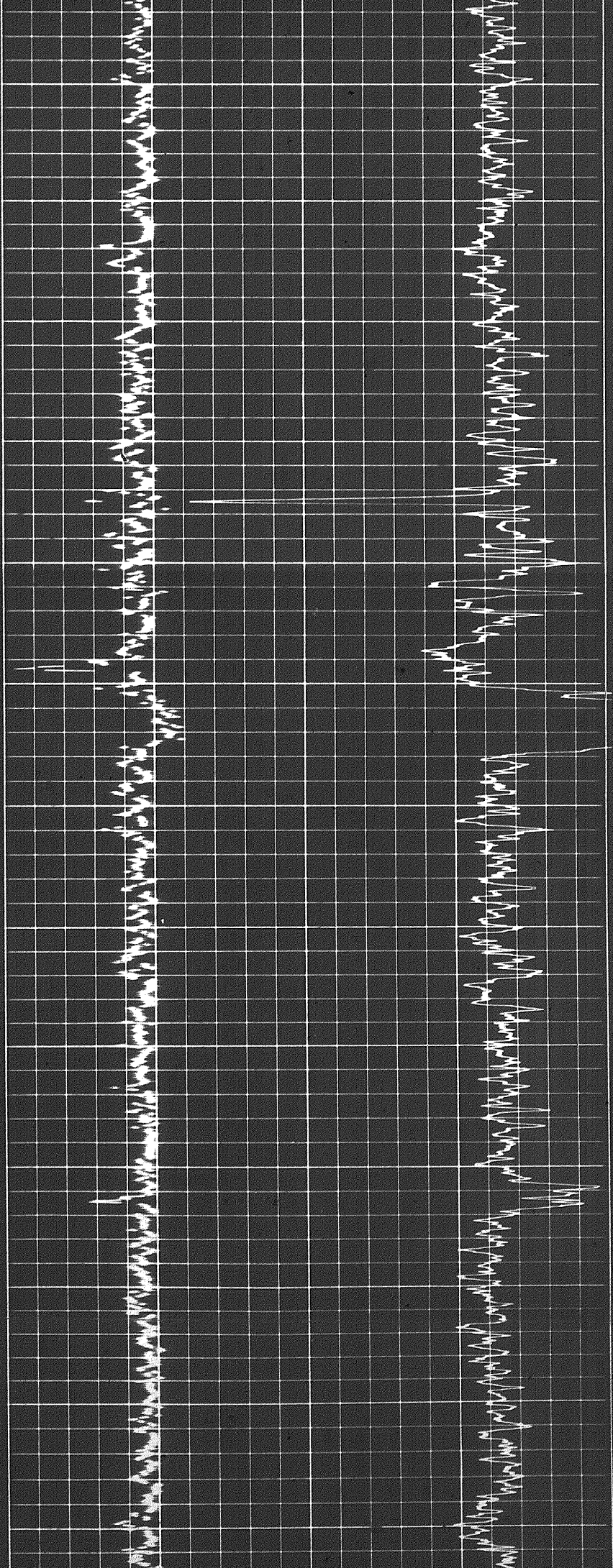
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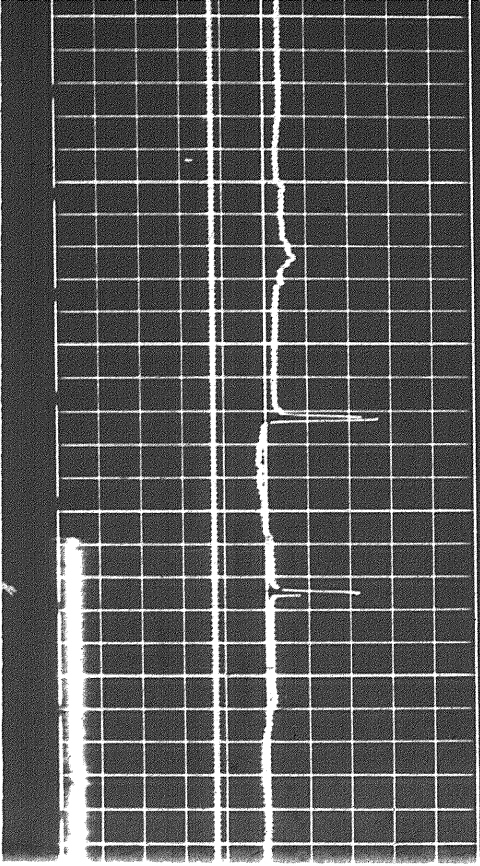
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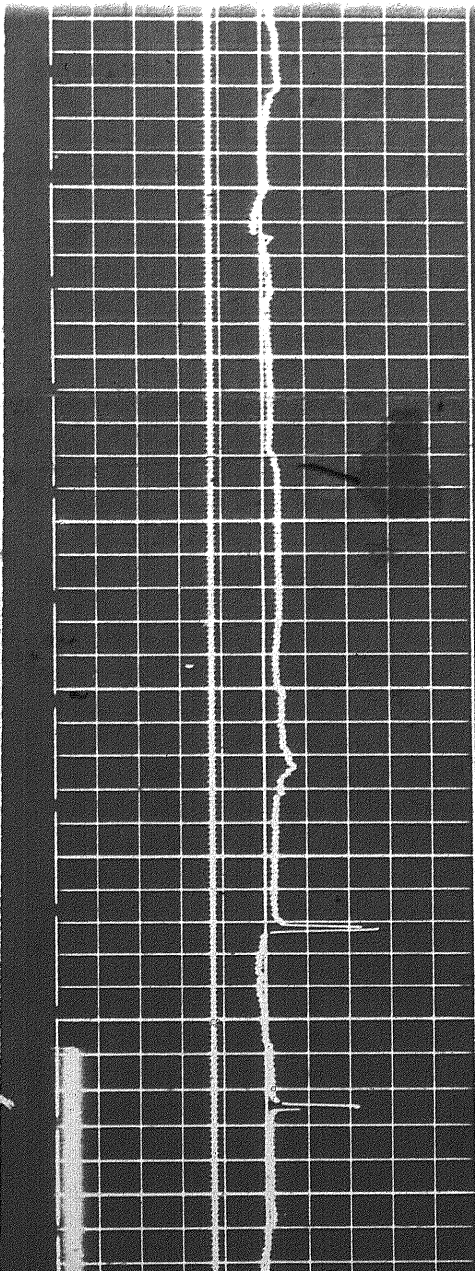
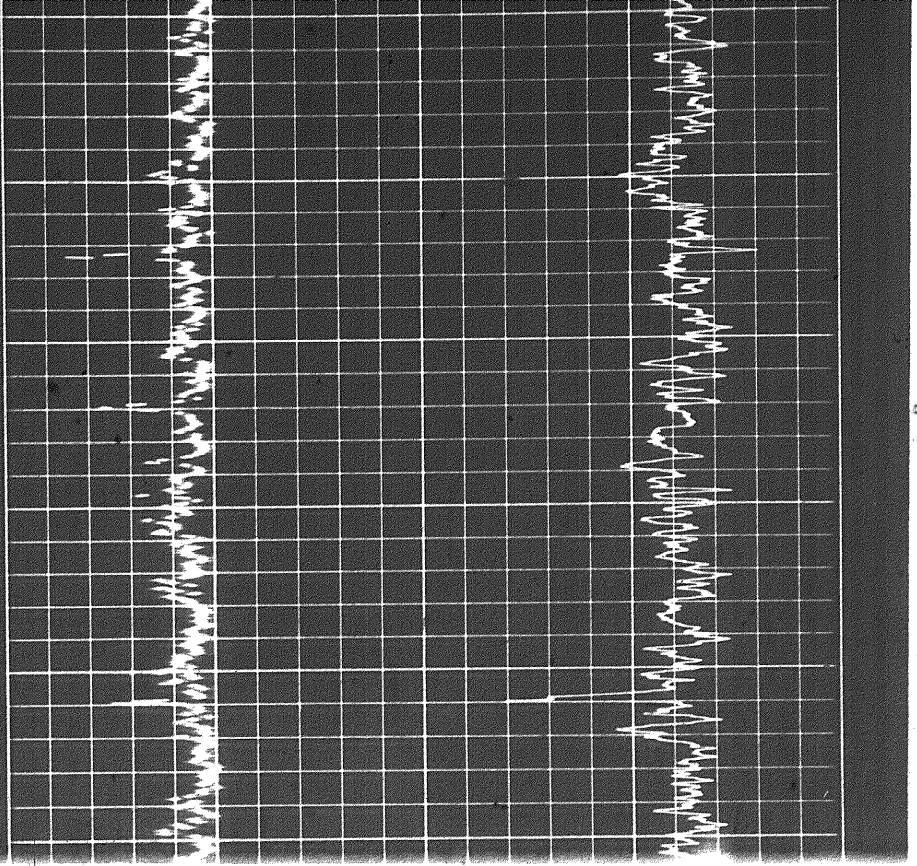
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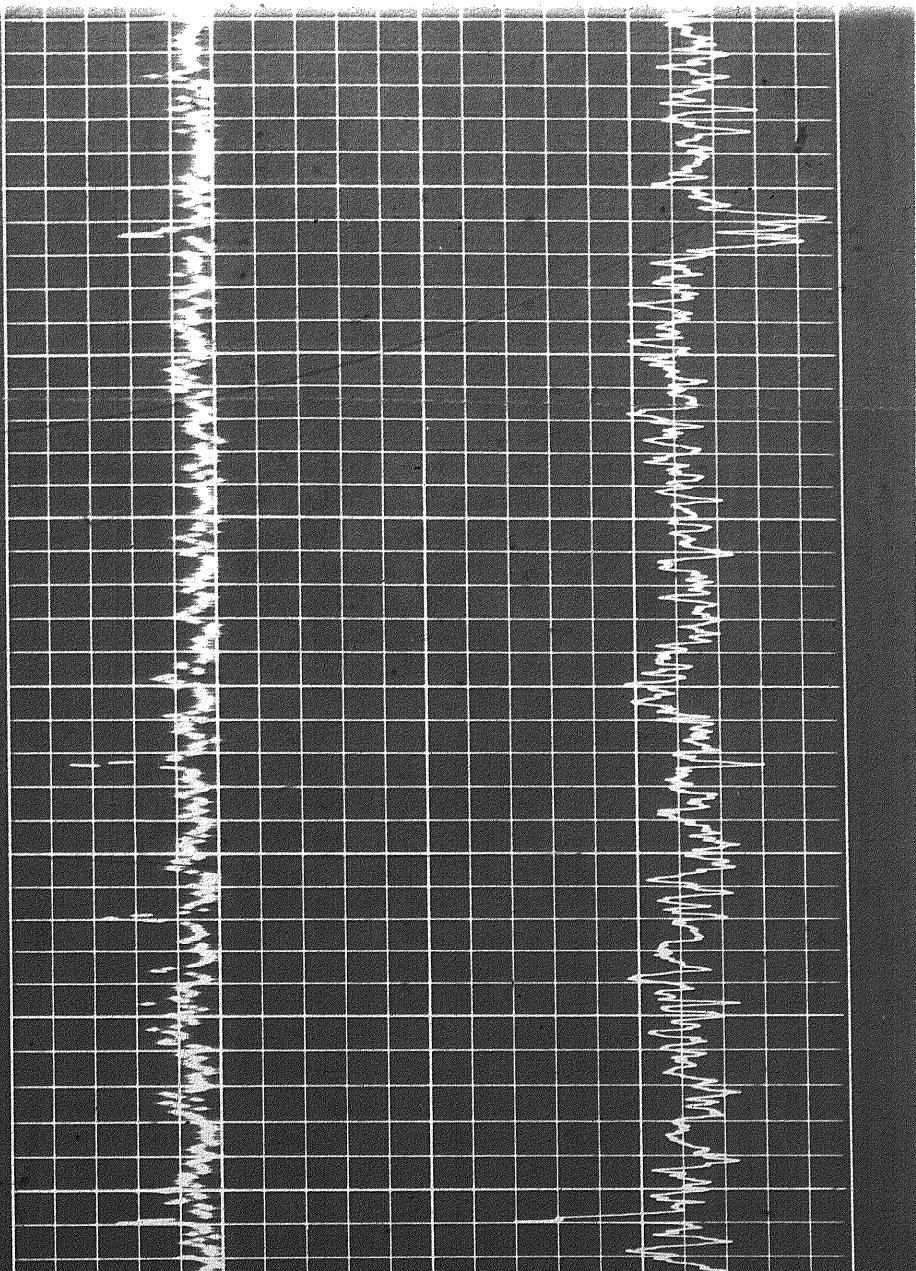




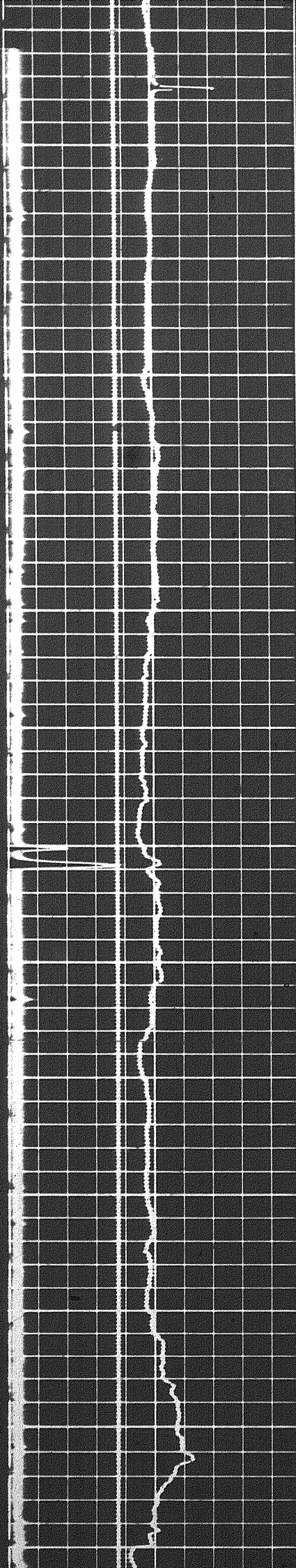
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5900 6000 6100 6200



0-2



6200

6300

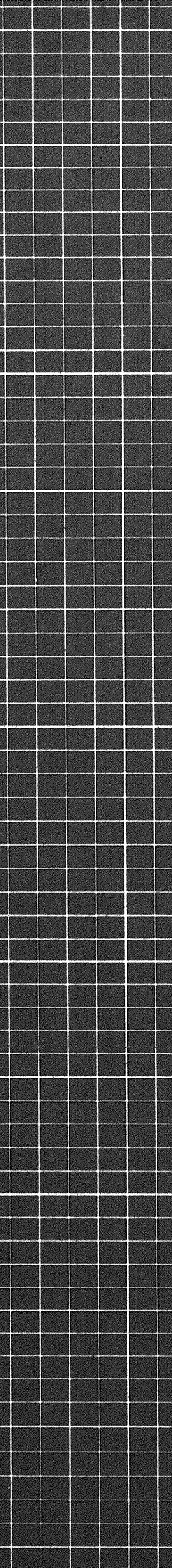
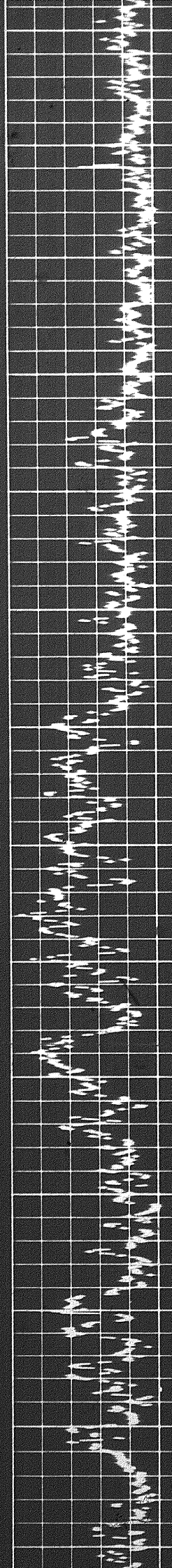
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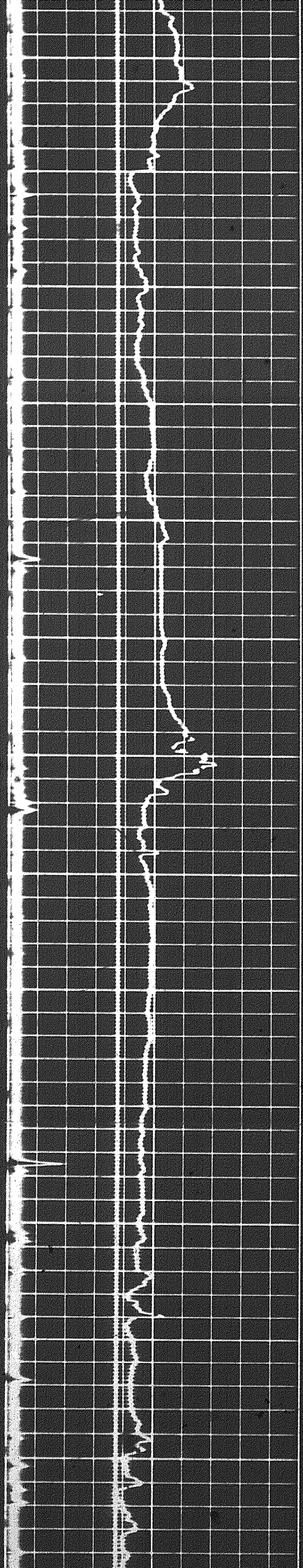
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6700

6800



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6800

6900

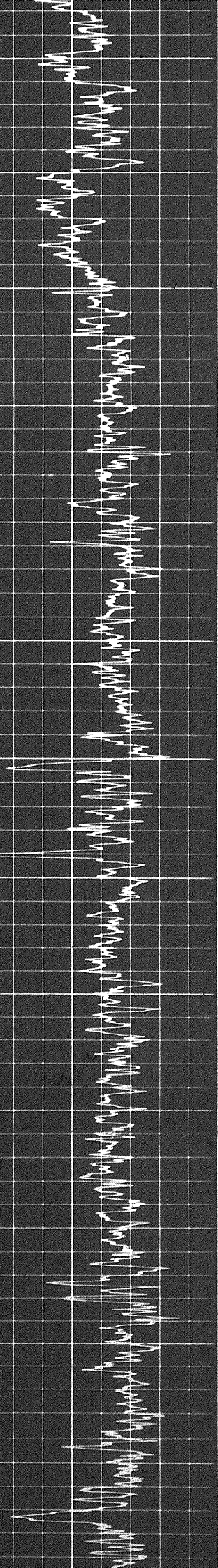
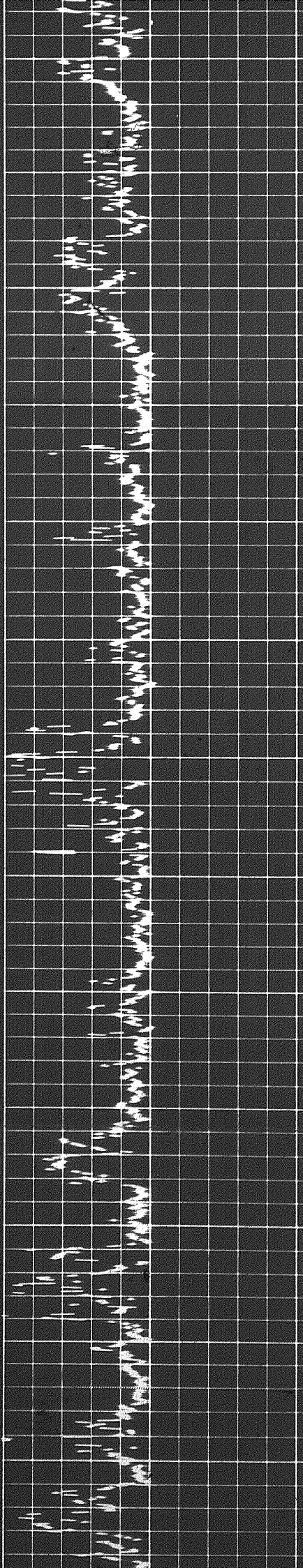
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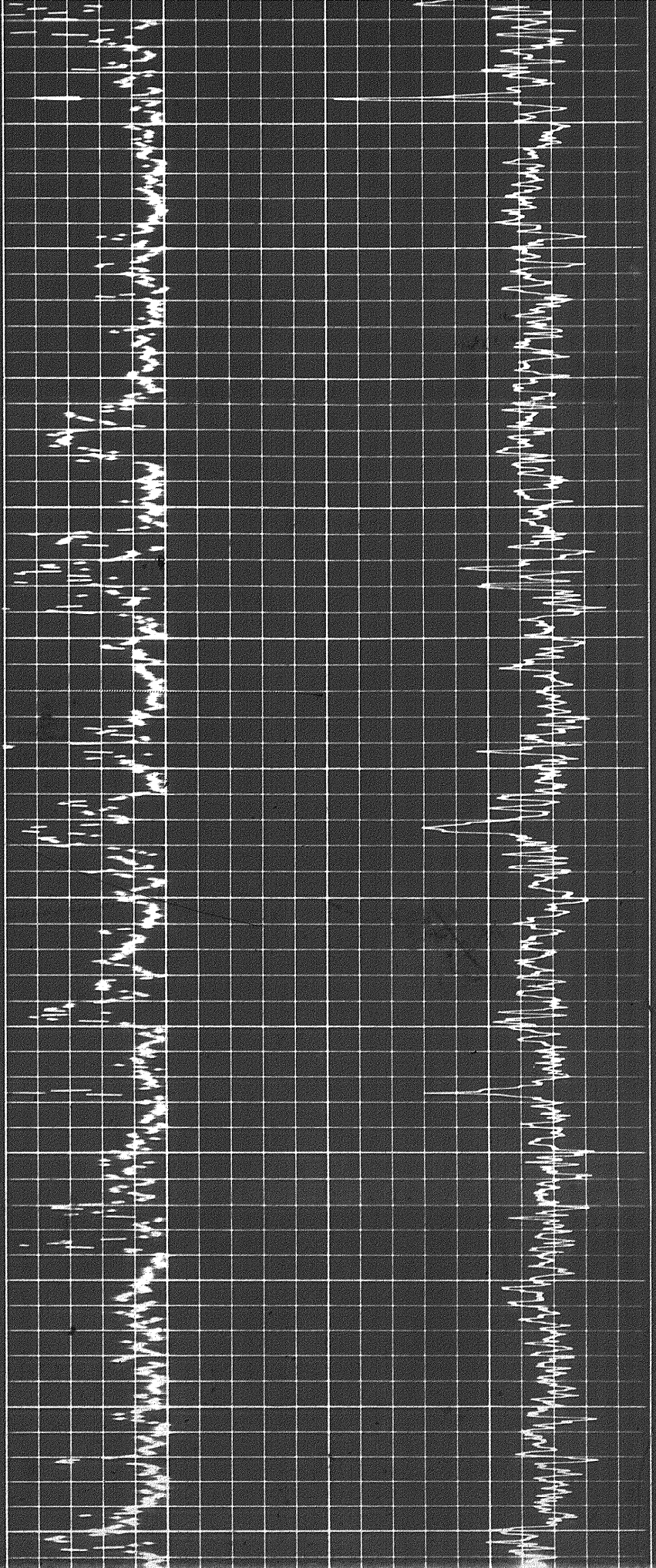
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7200

7300

7





7100

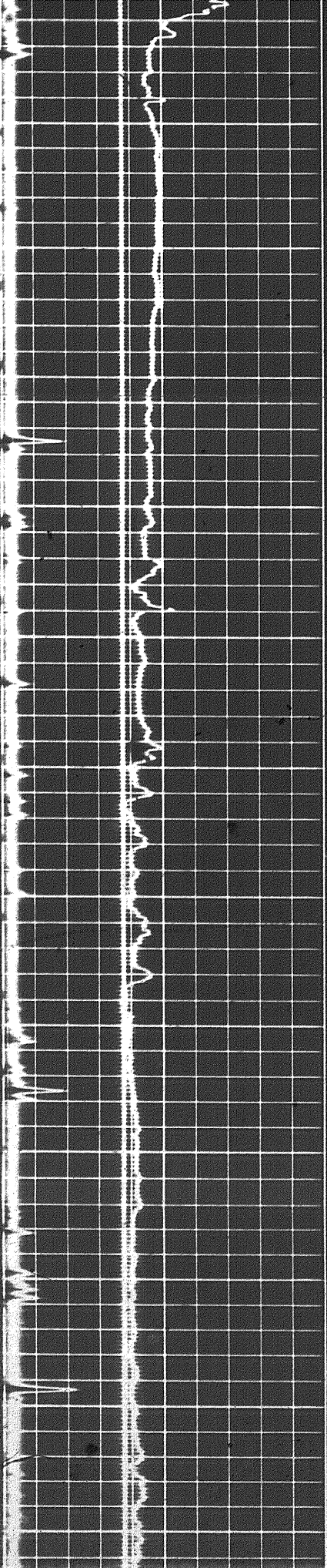
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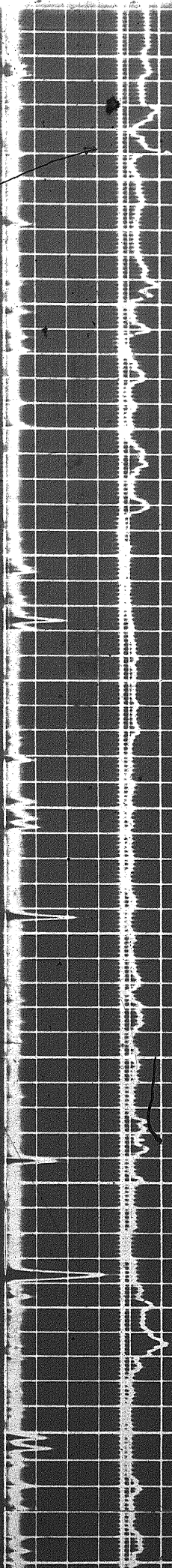
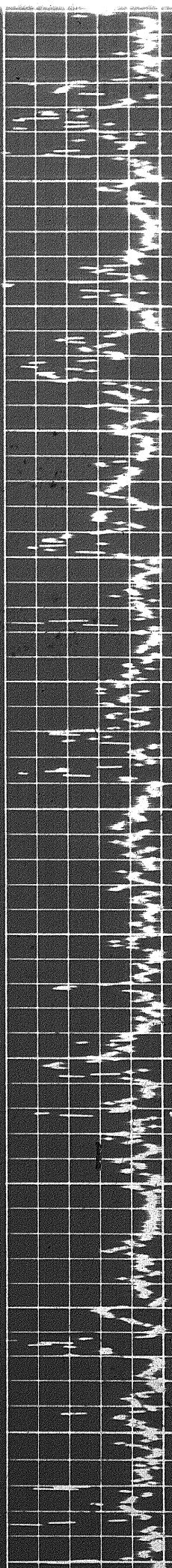
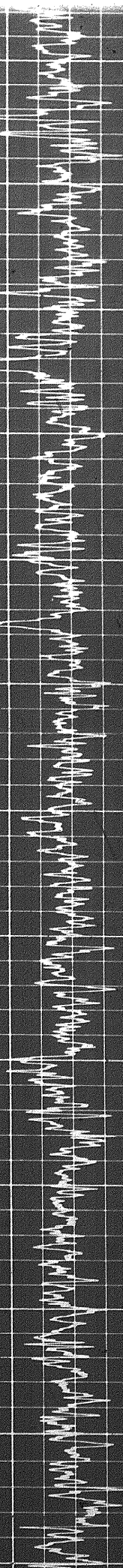
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7500

7600





7300

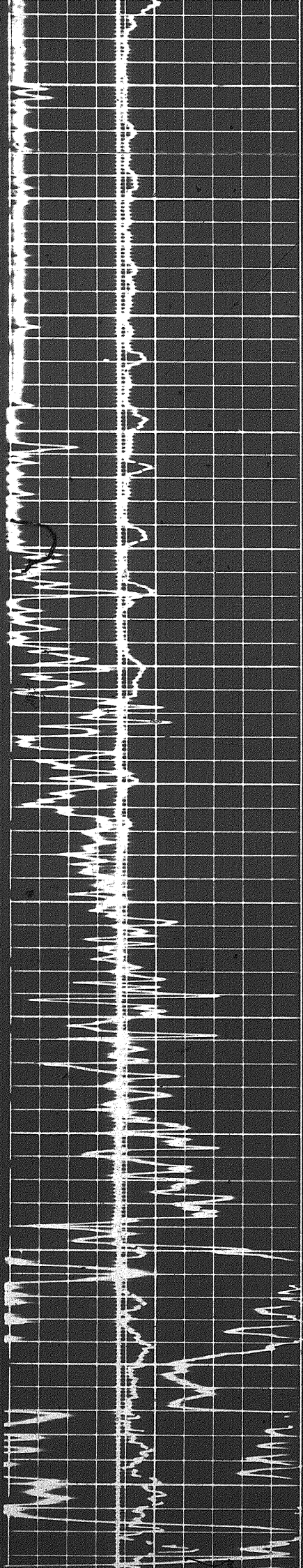
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7700

7800



7800

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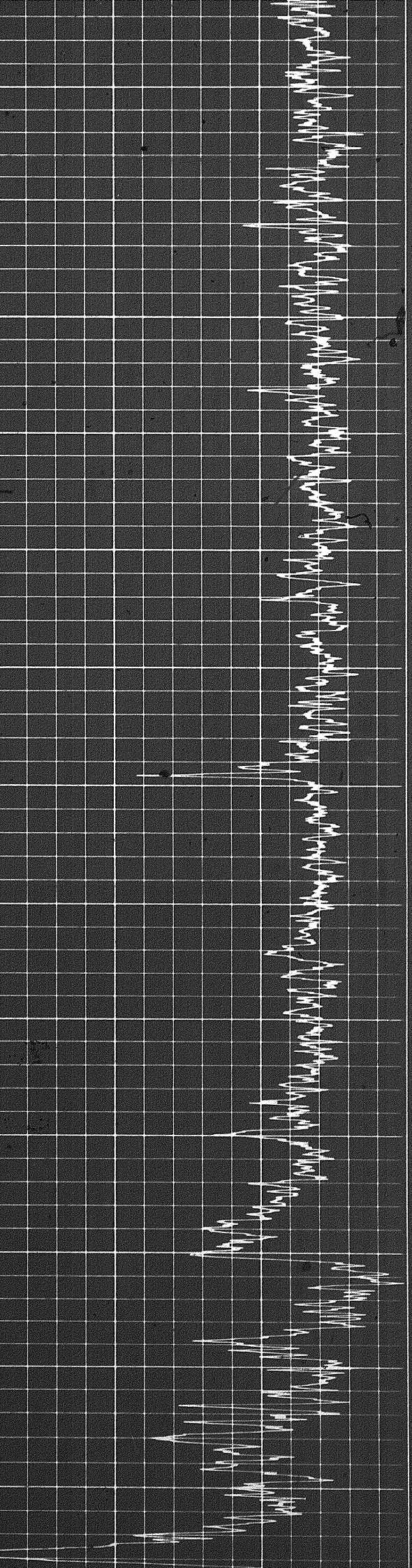
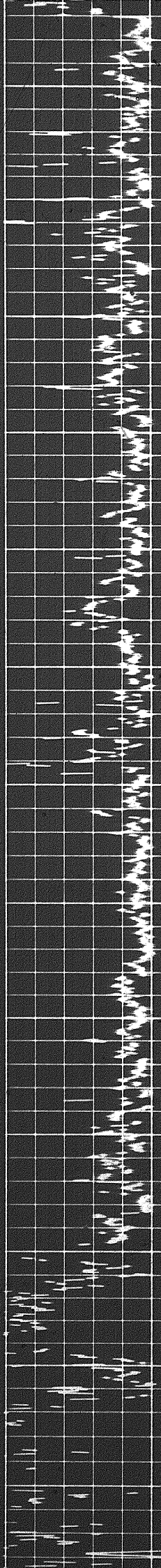
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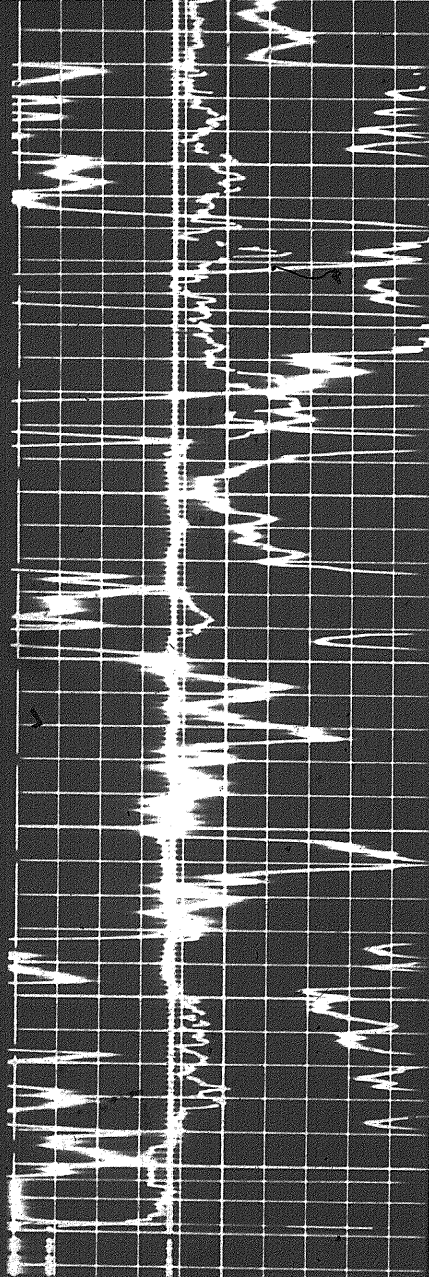
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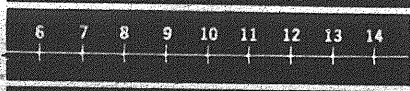
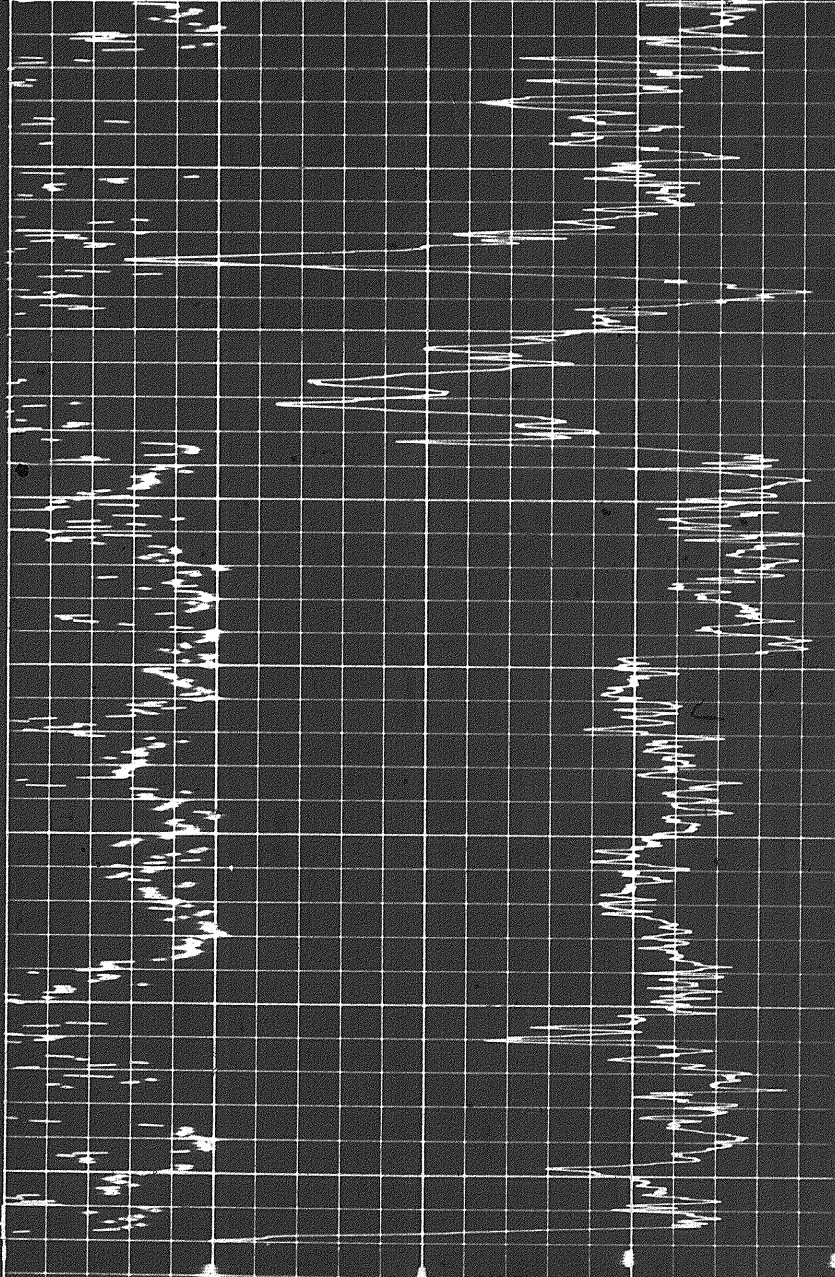
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8400





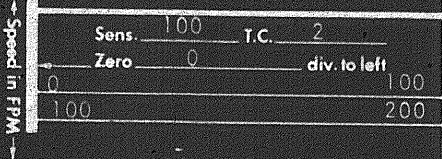
8400
8500
8600
8700



CALIPER
hole diameter in inches



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



GAMMA RAY
API UNITS

DEPTHS

BULK DENSITY
 ρ_b - gm/cc

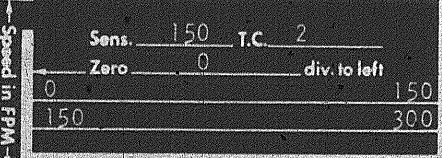
DETAIL LOG
5' = 100'

RUN 1

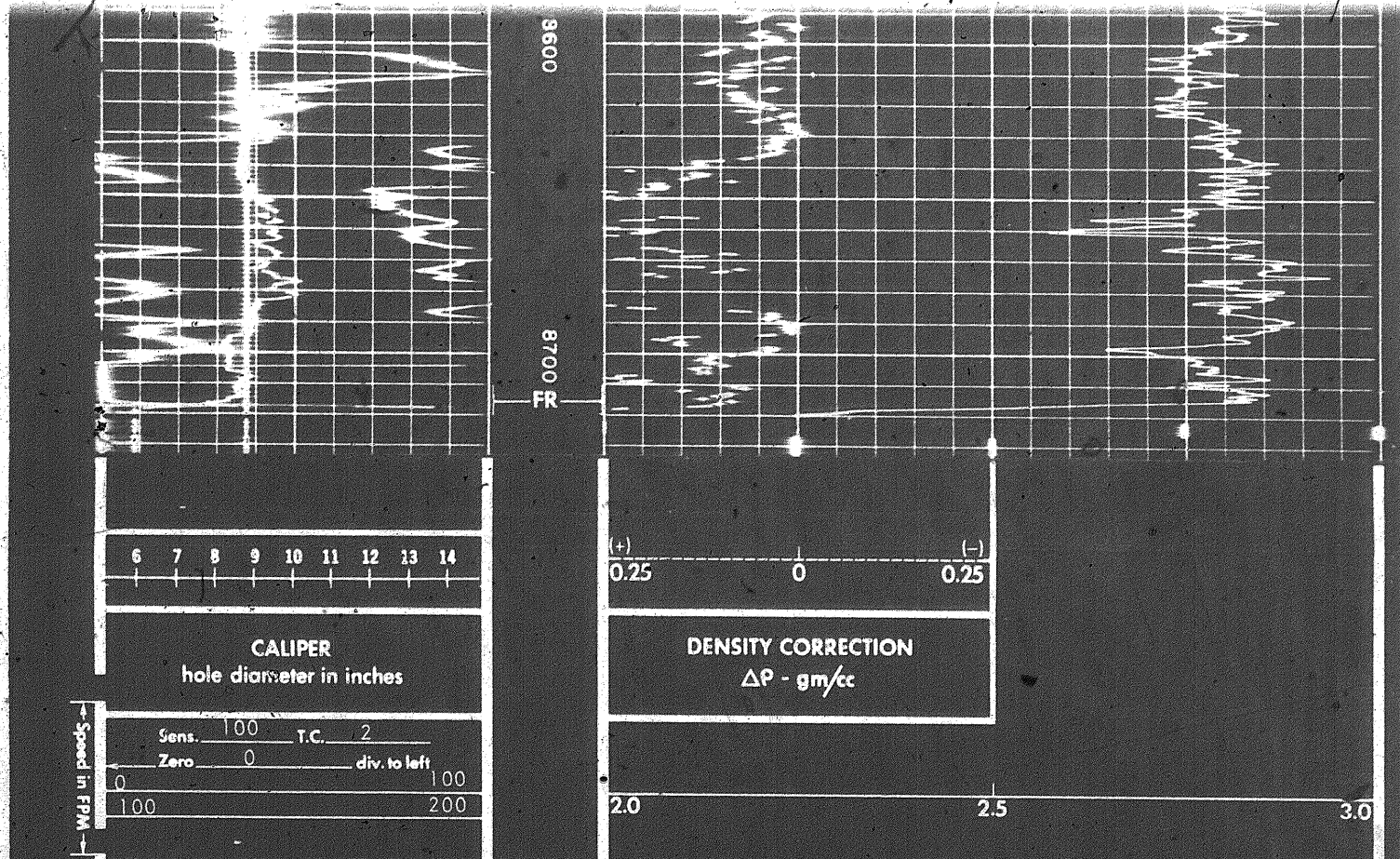
GAMMA RAY
API UNITS

DEPTHS

BULK DENSITY
 ρ_b - gm/cc



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	
0 150 150 300				
CALIPER hole diameter in inches		DENSITY CORRECTION $\Delta\rho$ - gm/cc		



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	

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			2.0 2.5 3.0	
0 150 150 300				
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

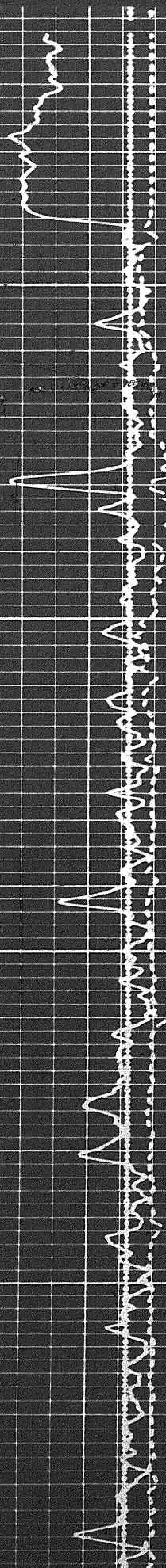
DENSITY CORRECTION

$\Delta\rho$ - gm/cc

0.25
(-)

0

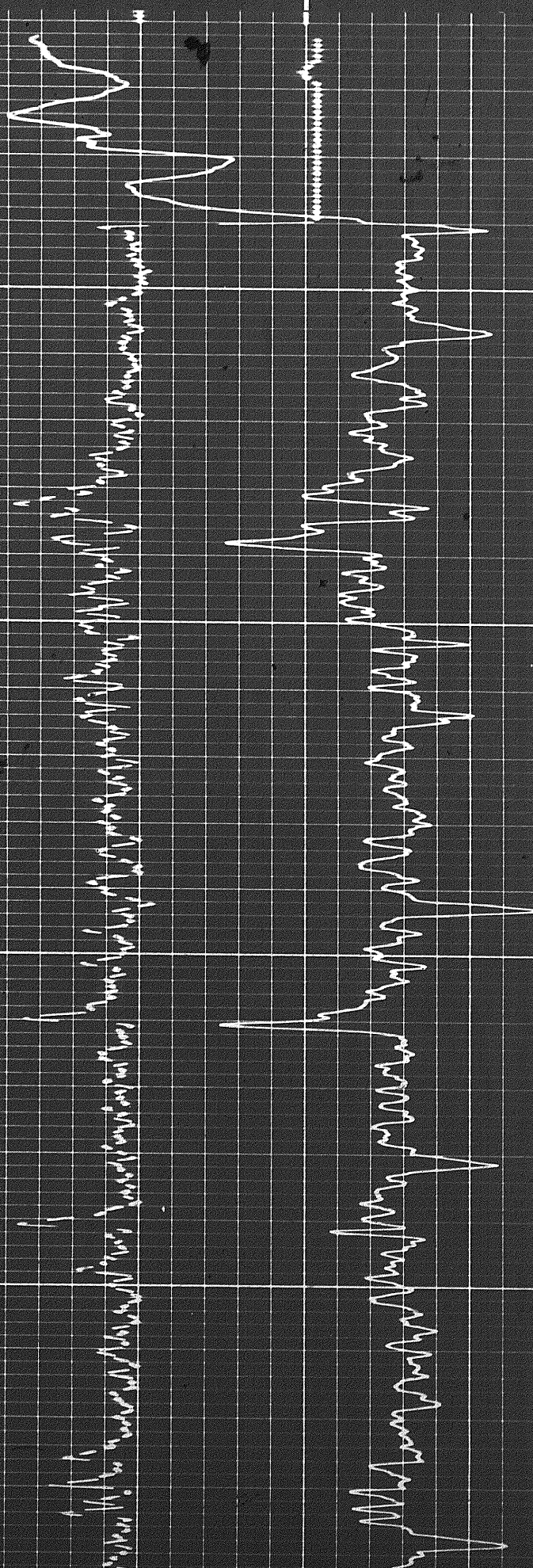
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(-)

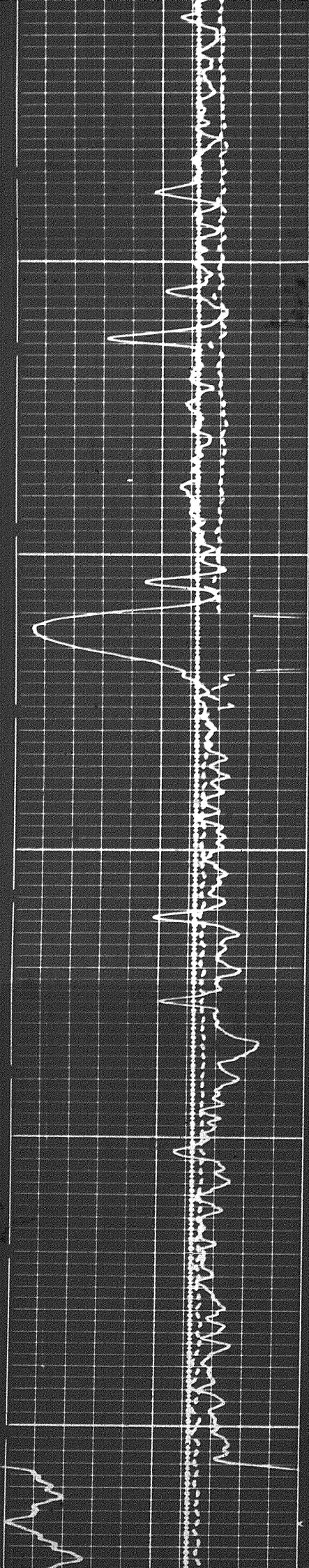


Casing

0001

0011

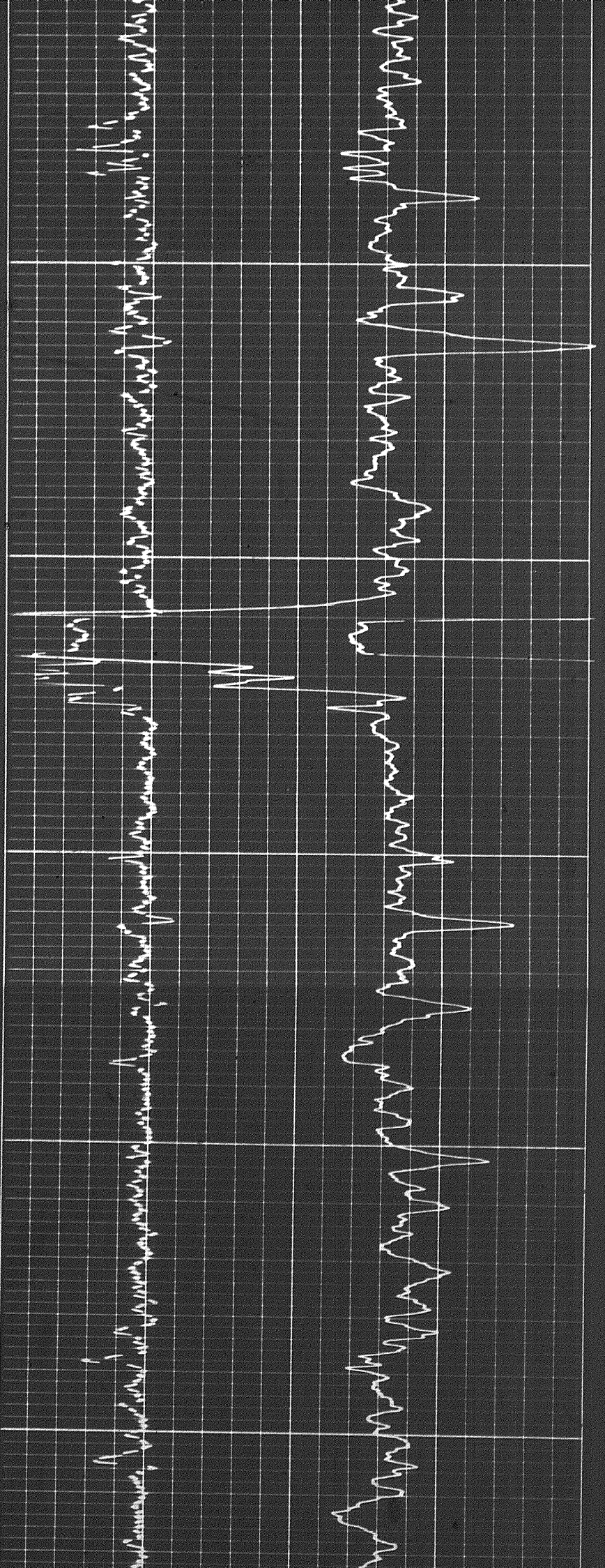


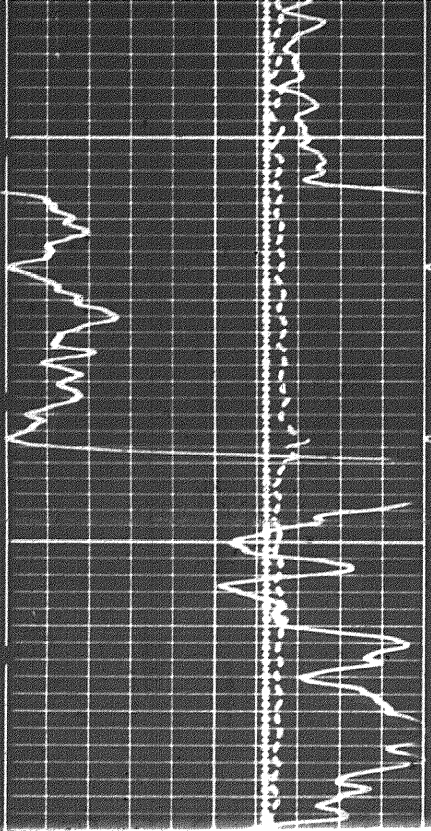


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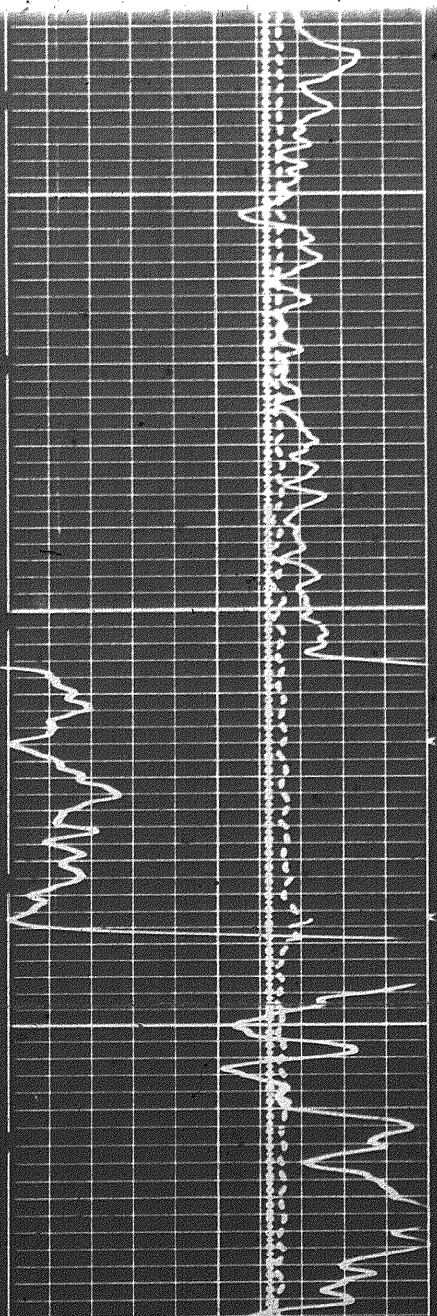
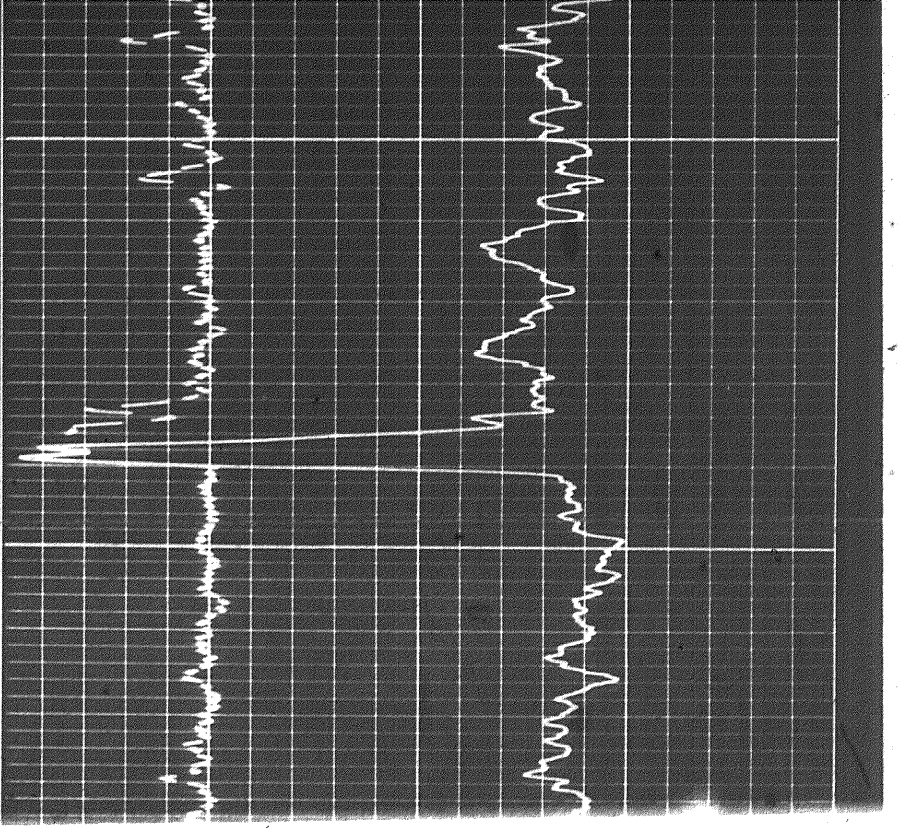
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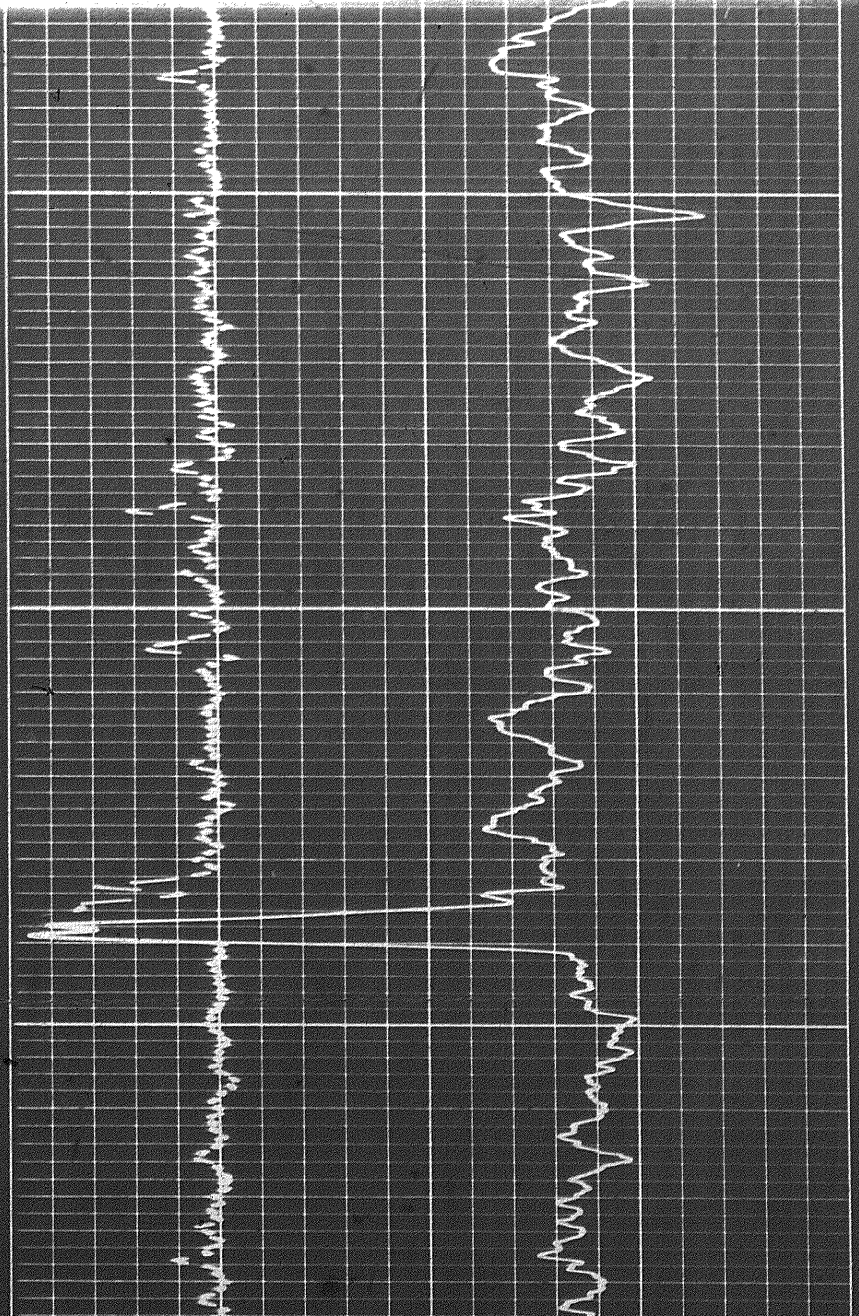




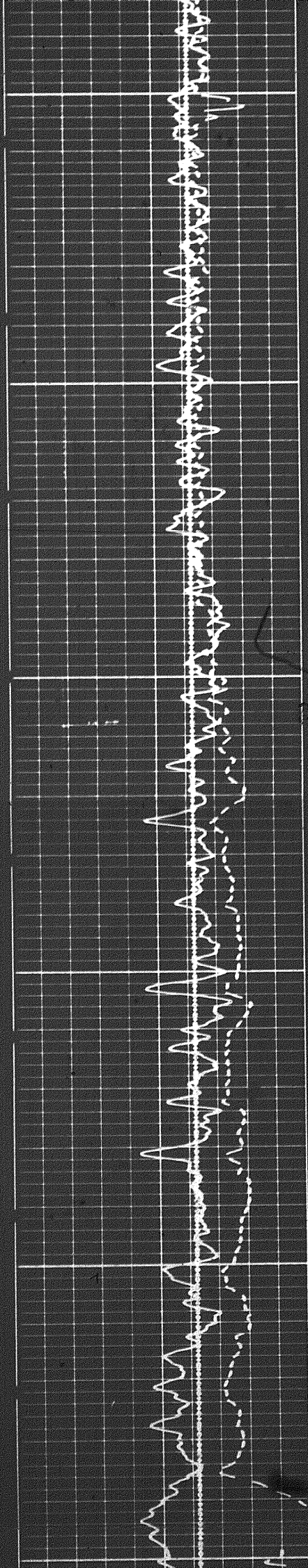
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1400



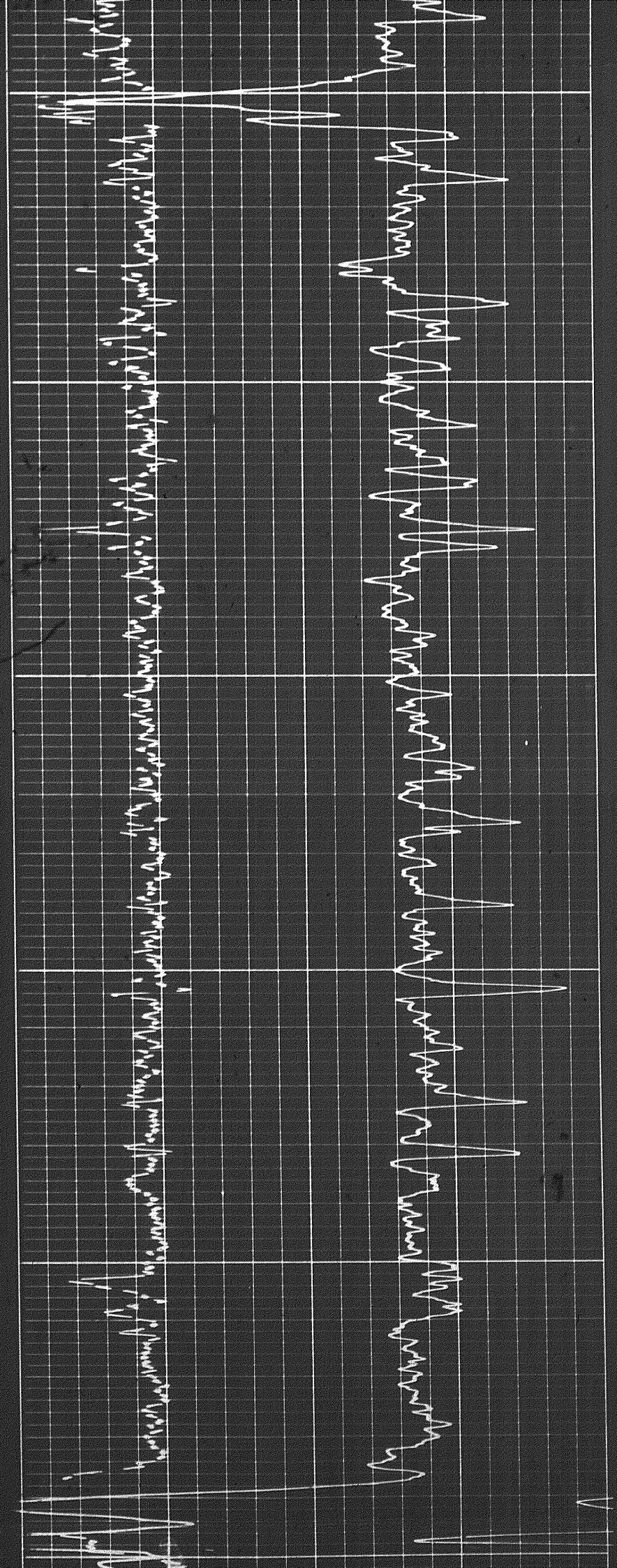
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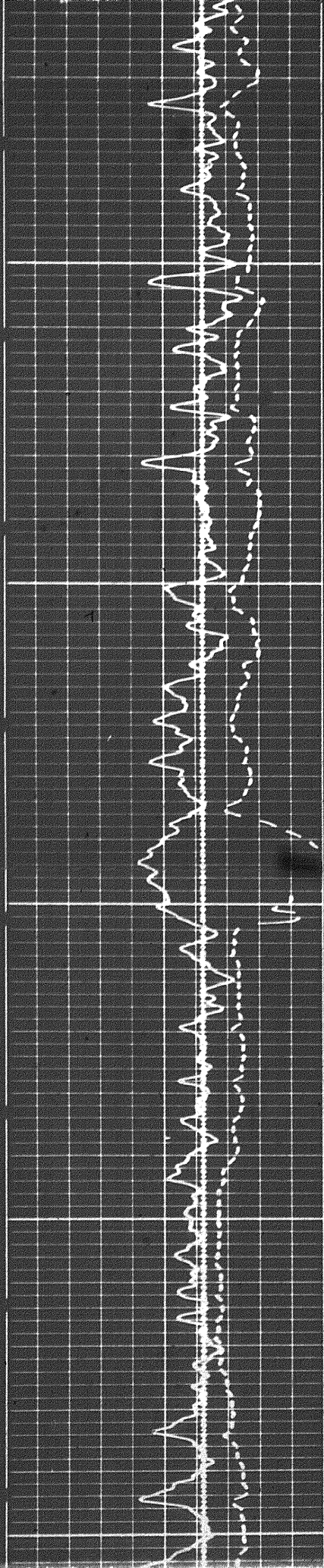


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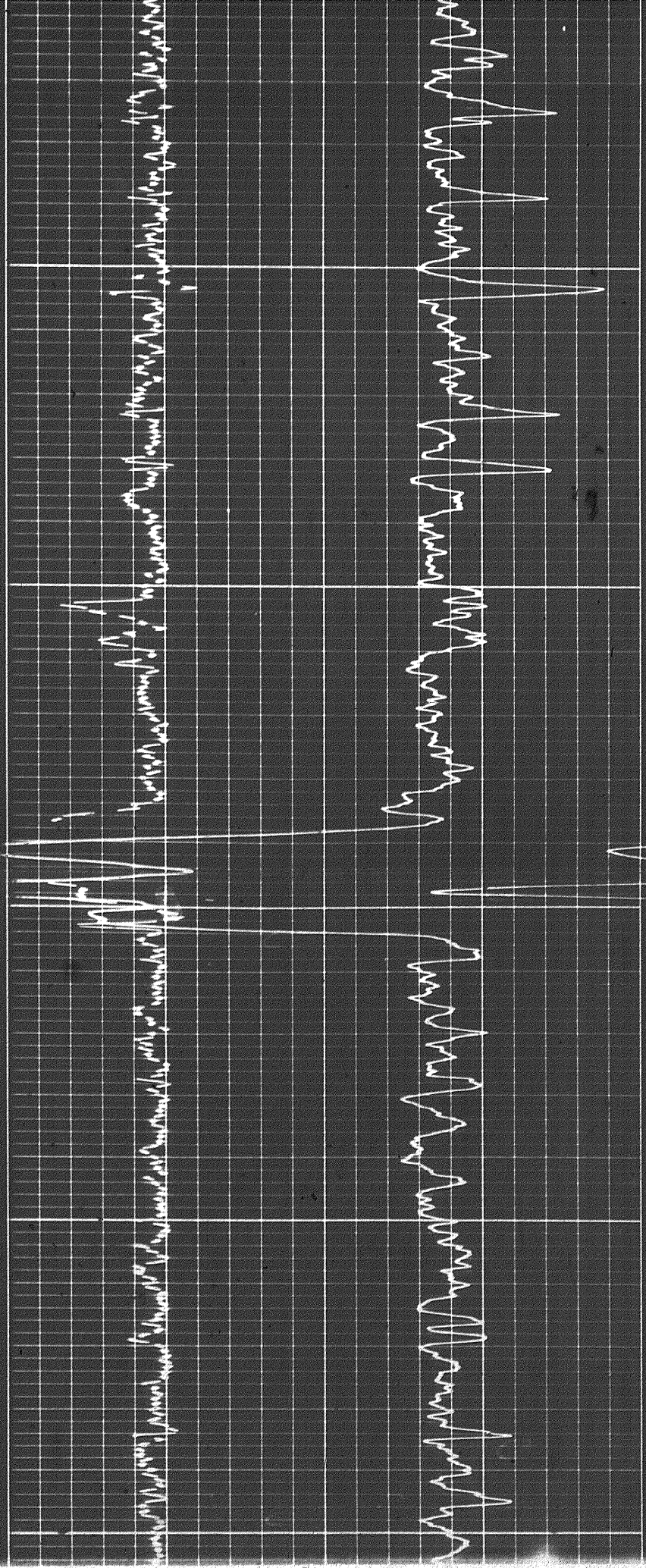
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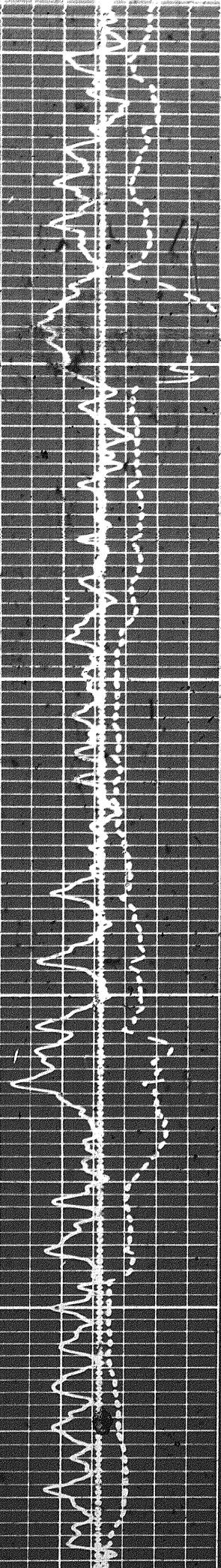




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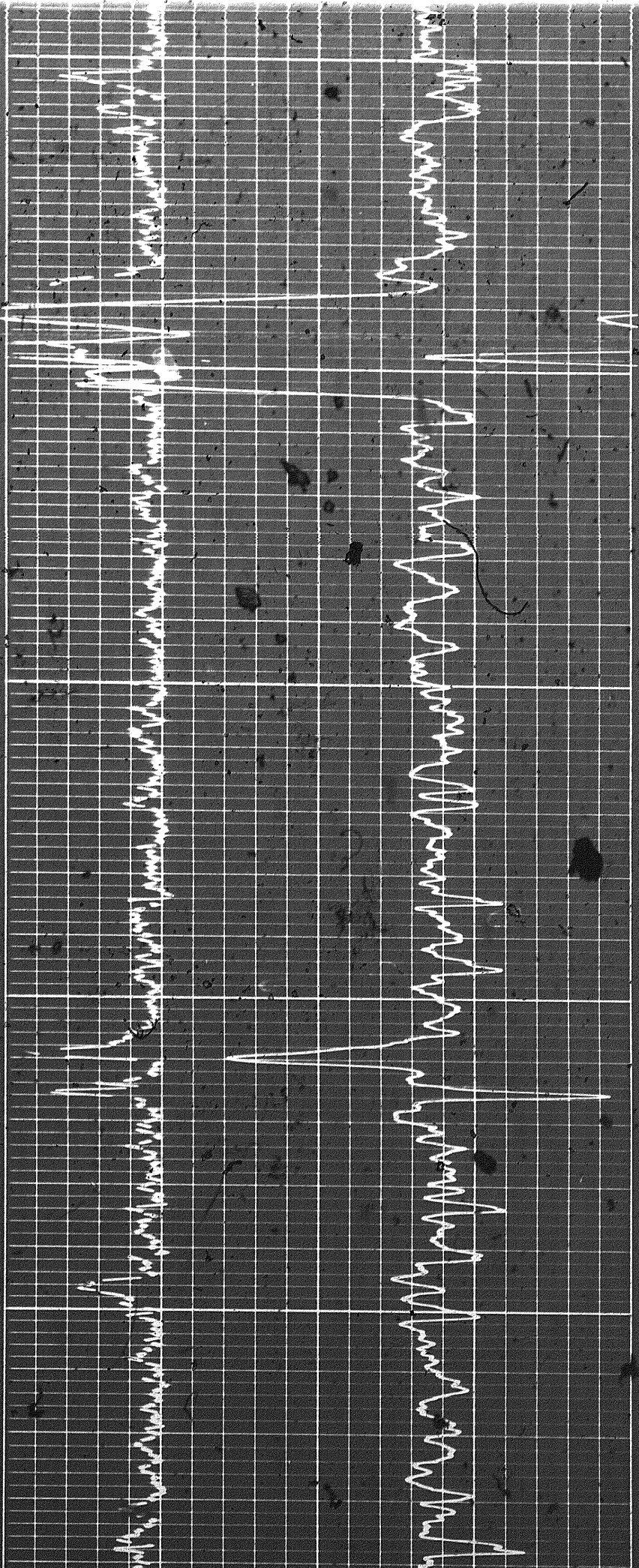


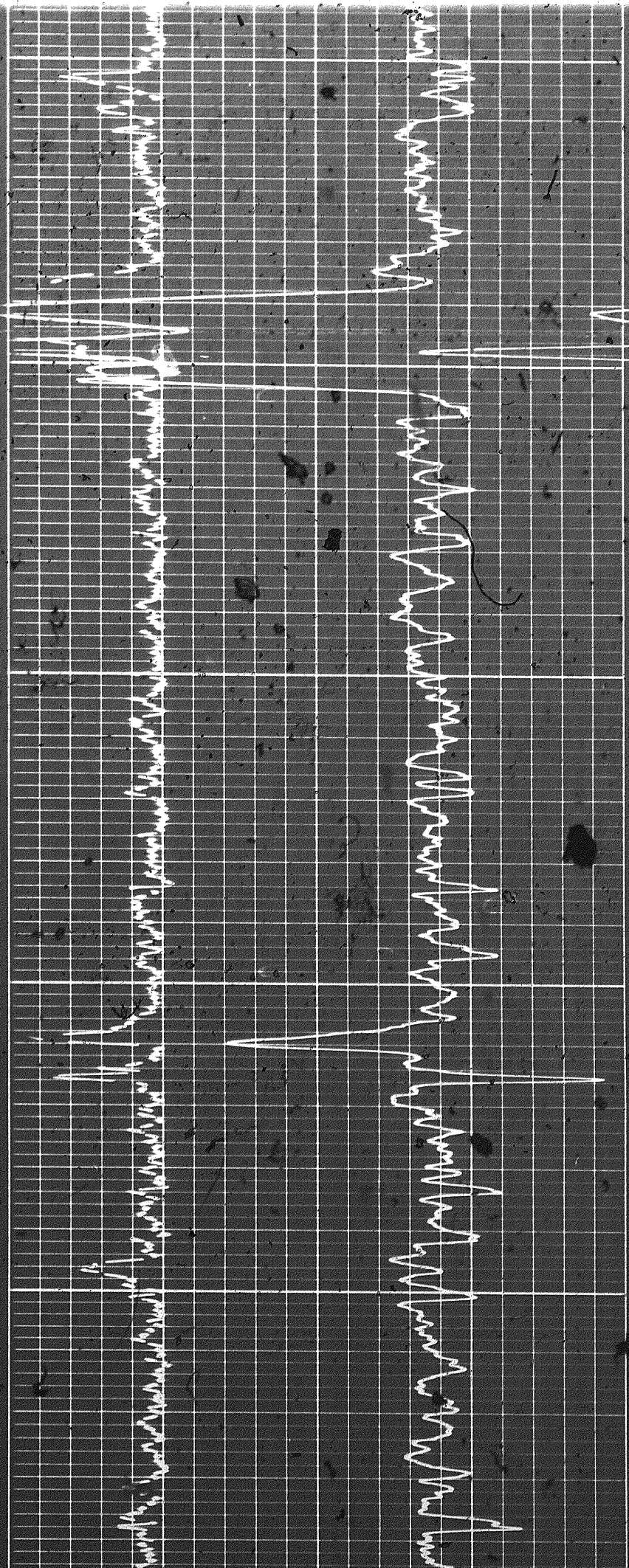


1800

2000

2100

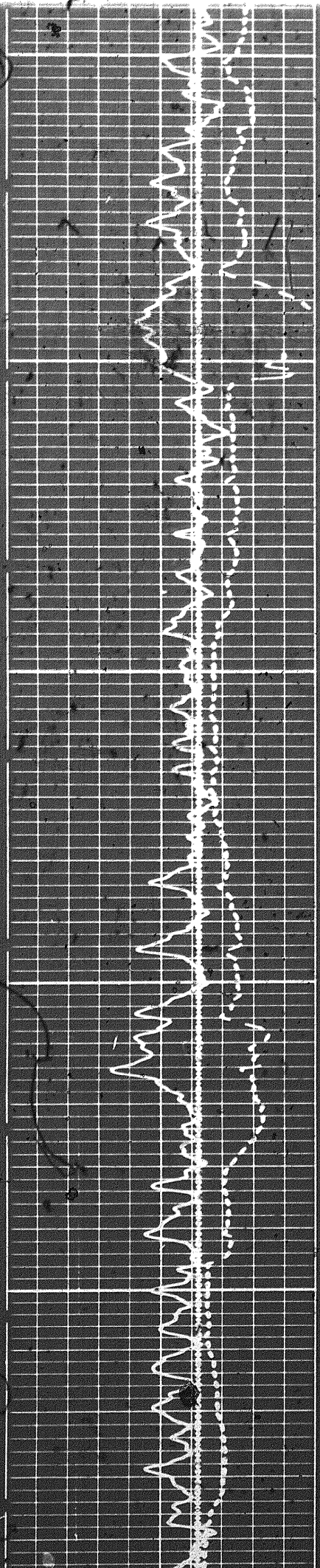


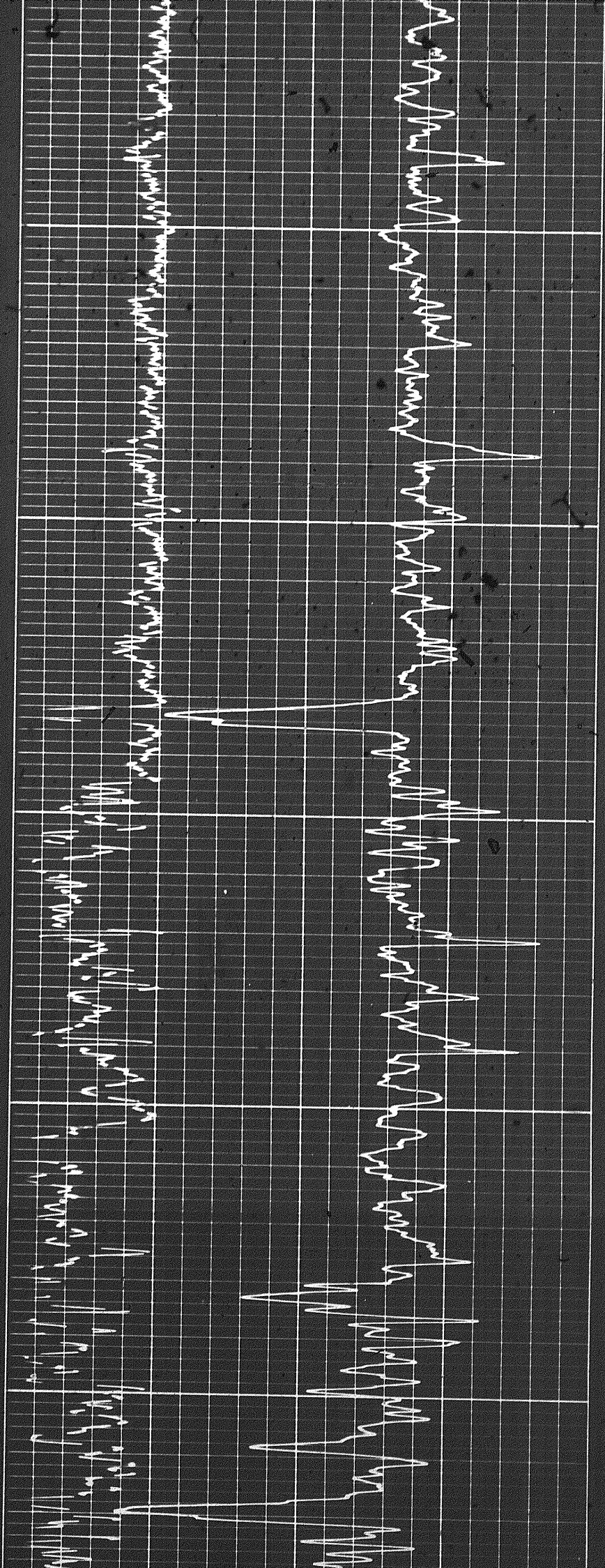


2000

2000

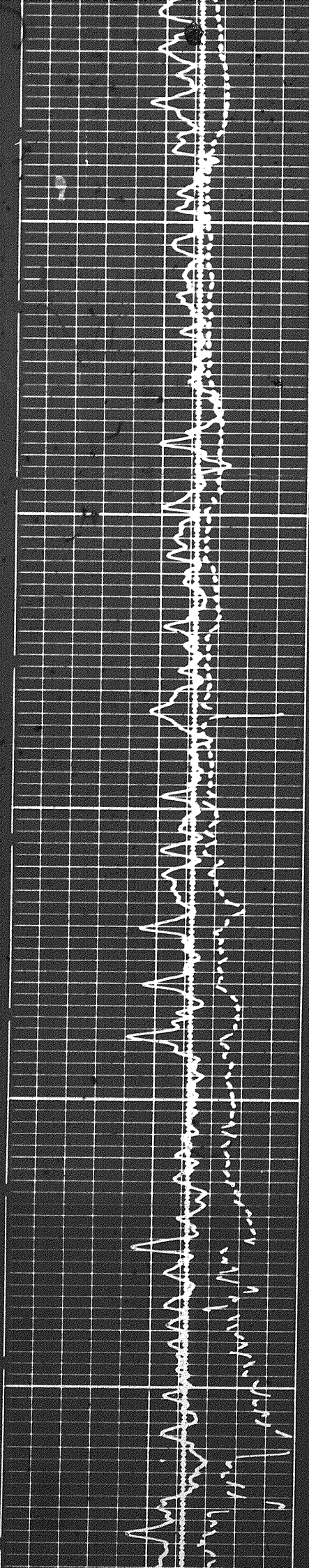
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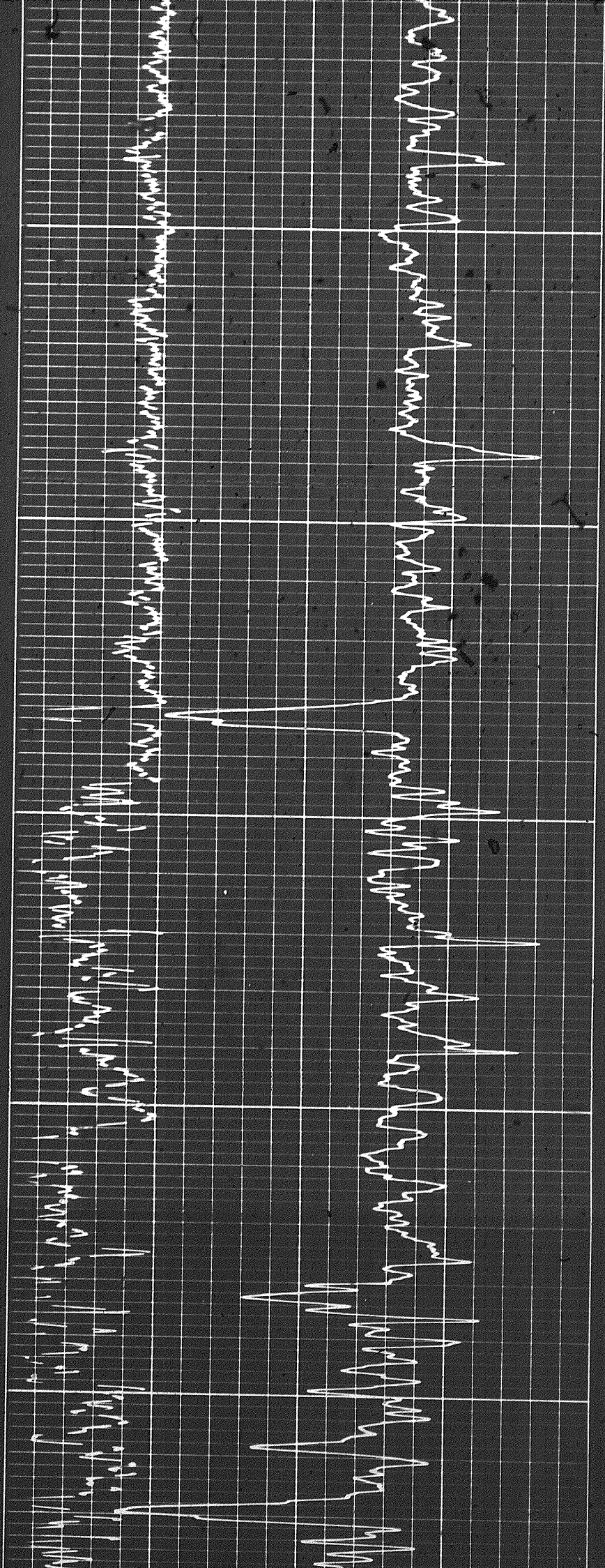




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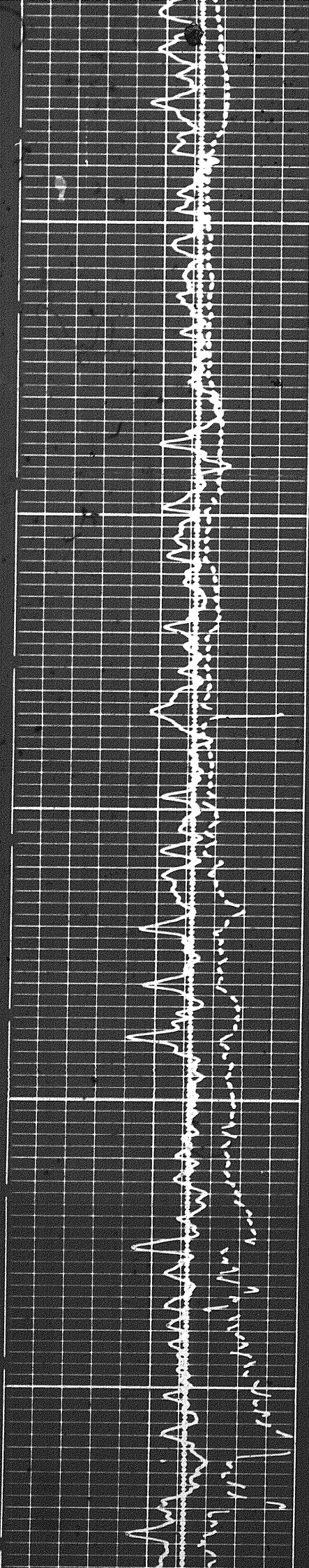
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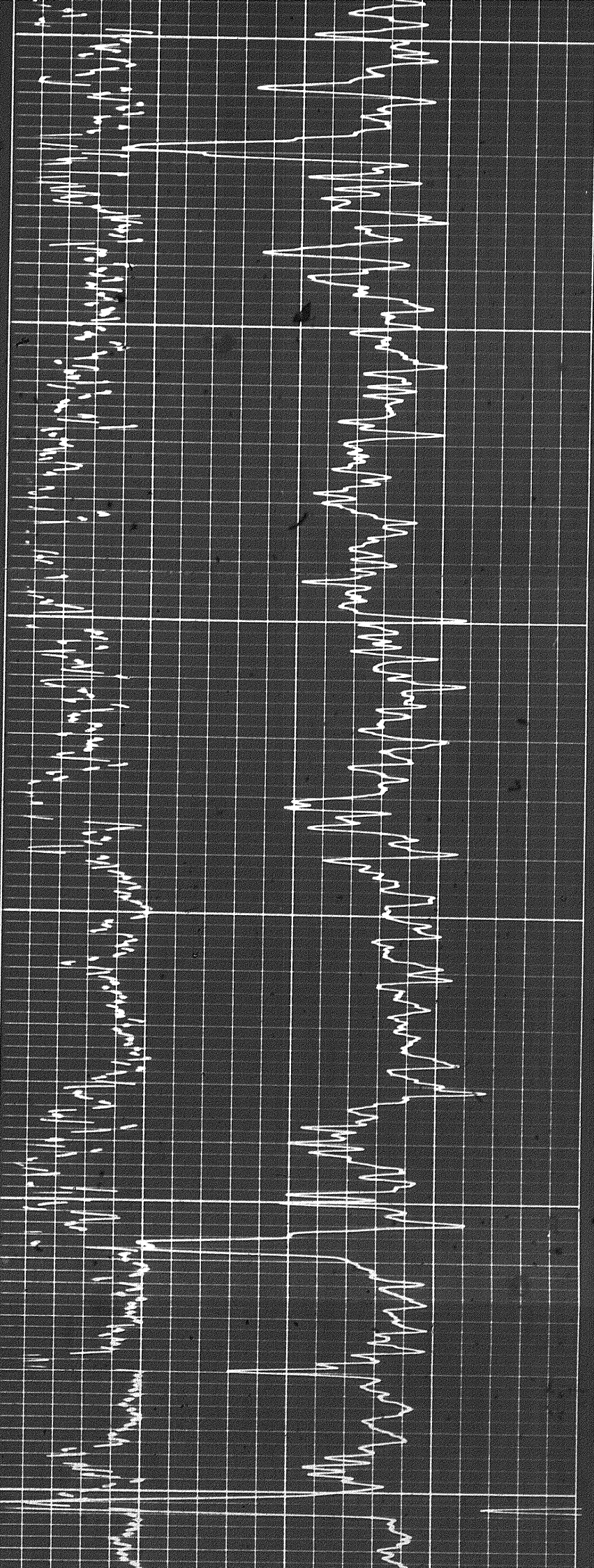




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2300

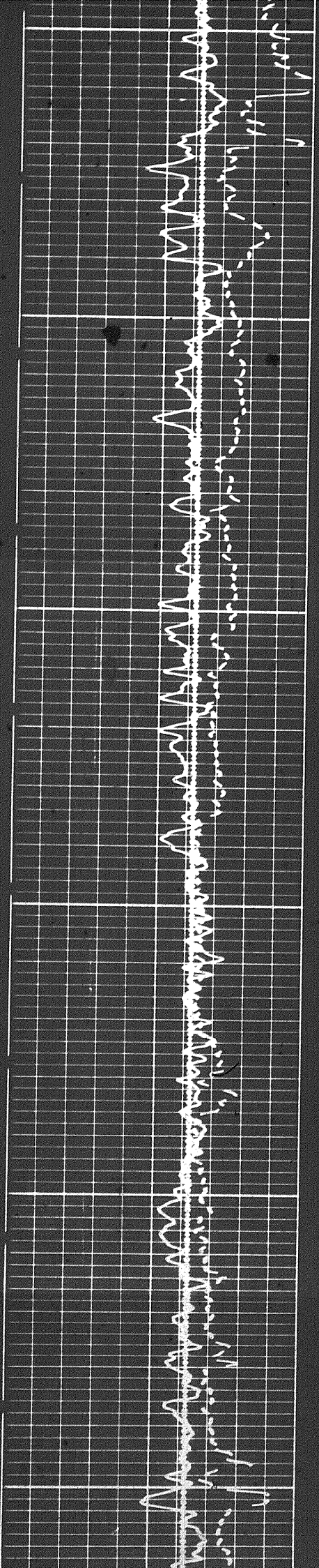


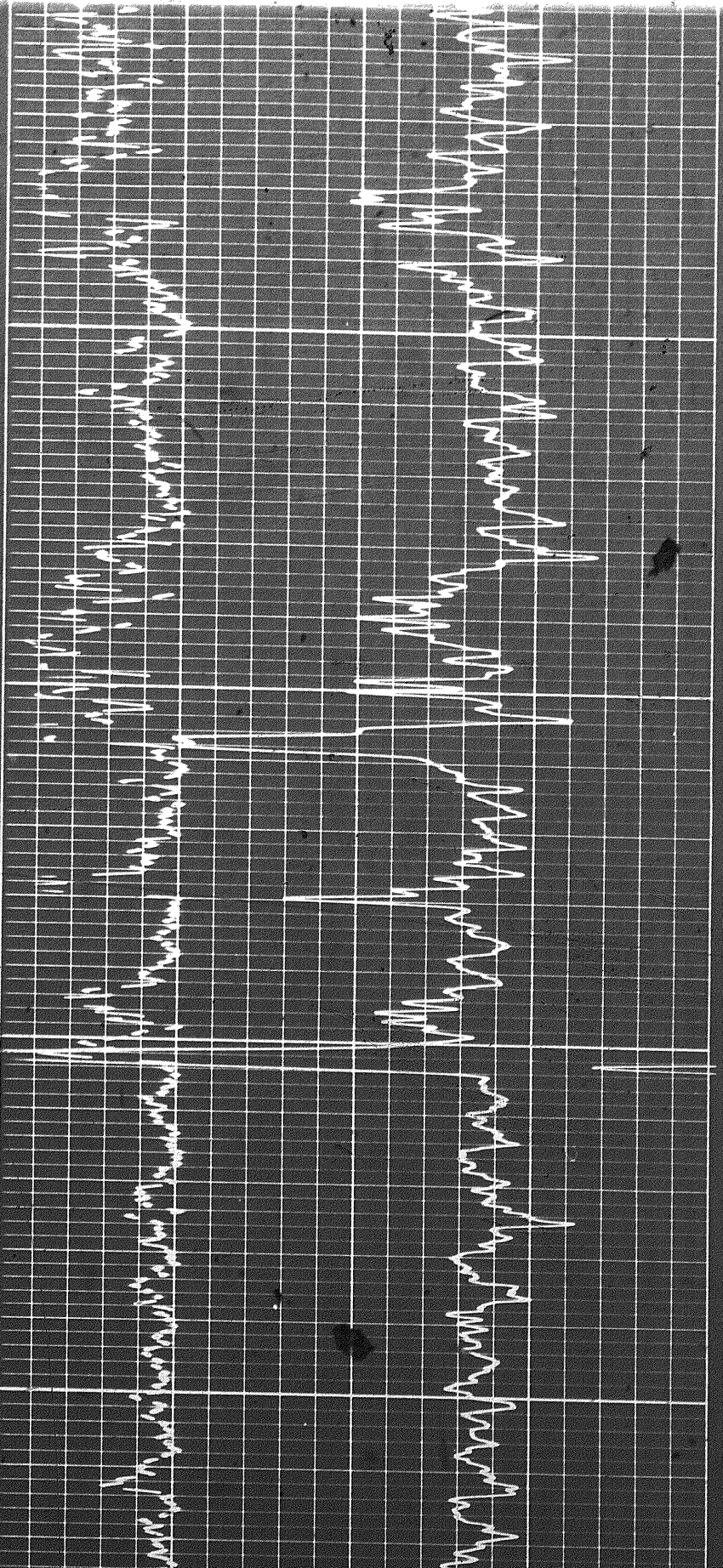


2400

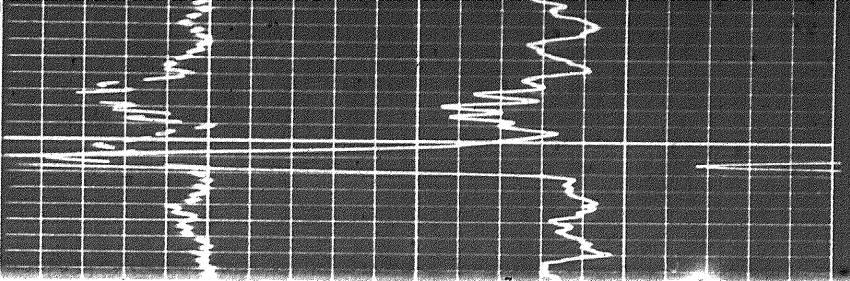
2500

2600

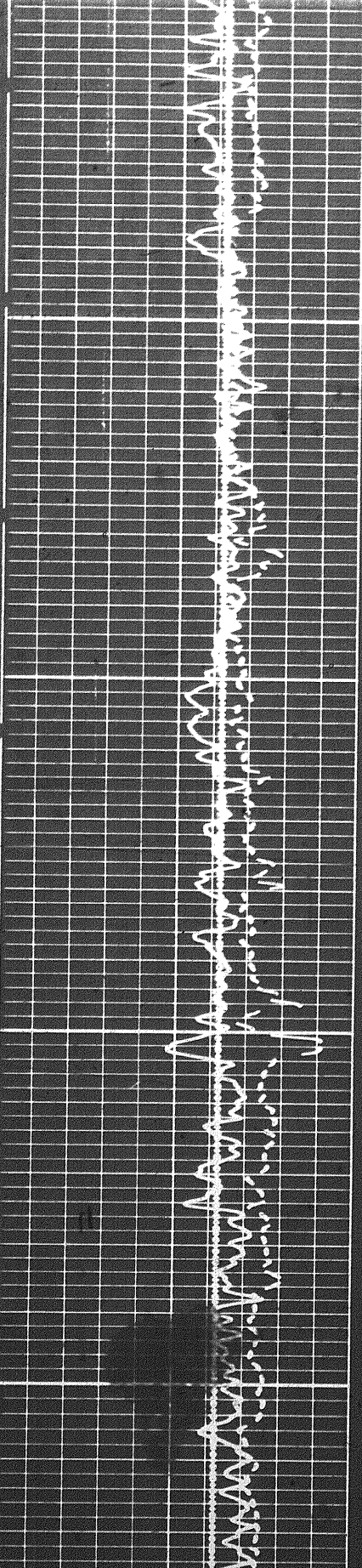




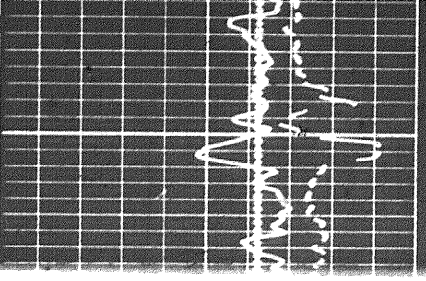
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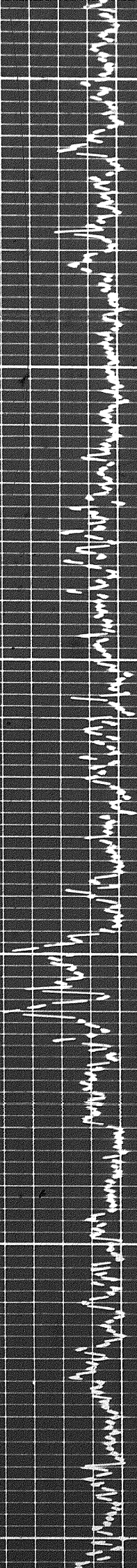
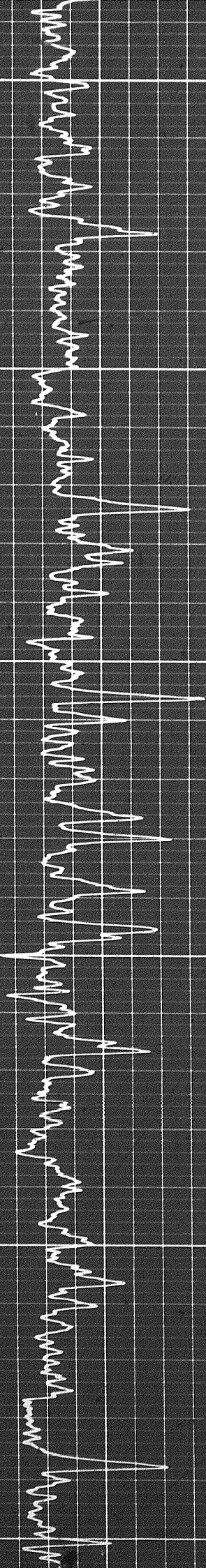
2600



2600



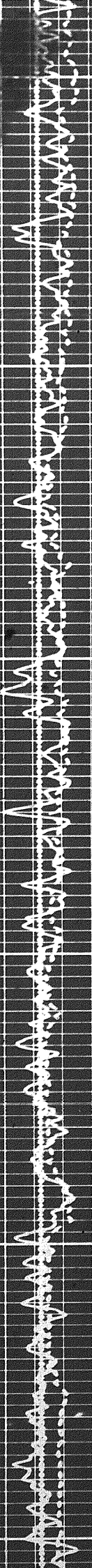
2600



2700

2800

2900

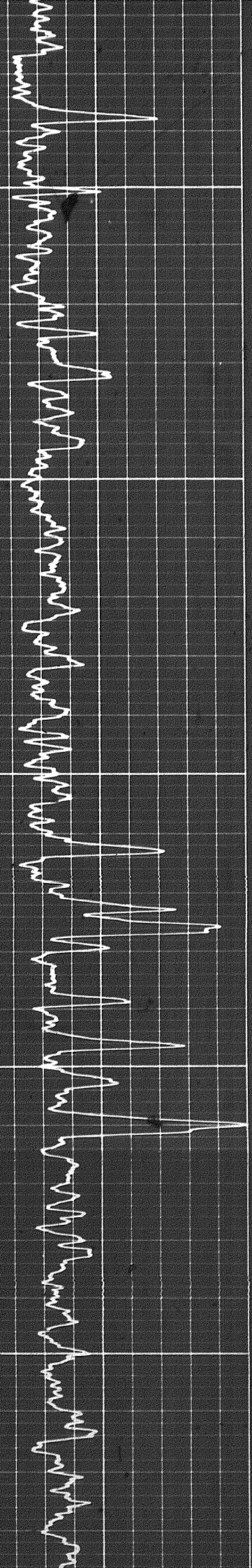
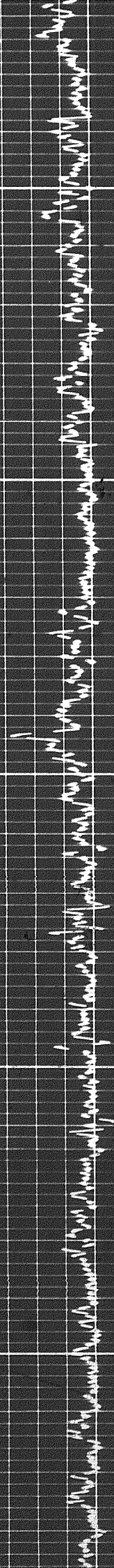


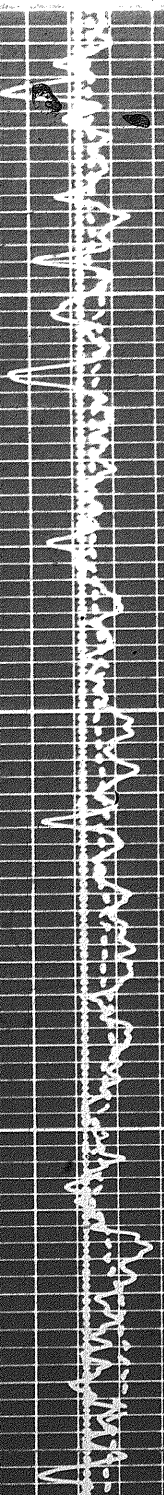


2900

3000

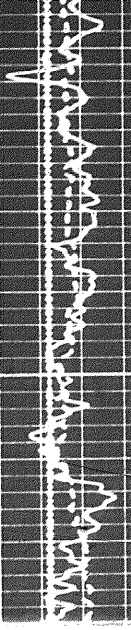
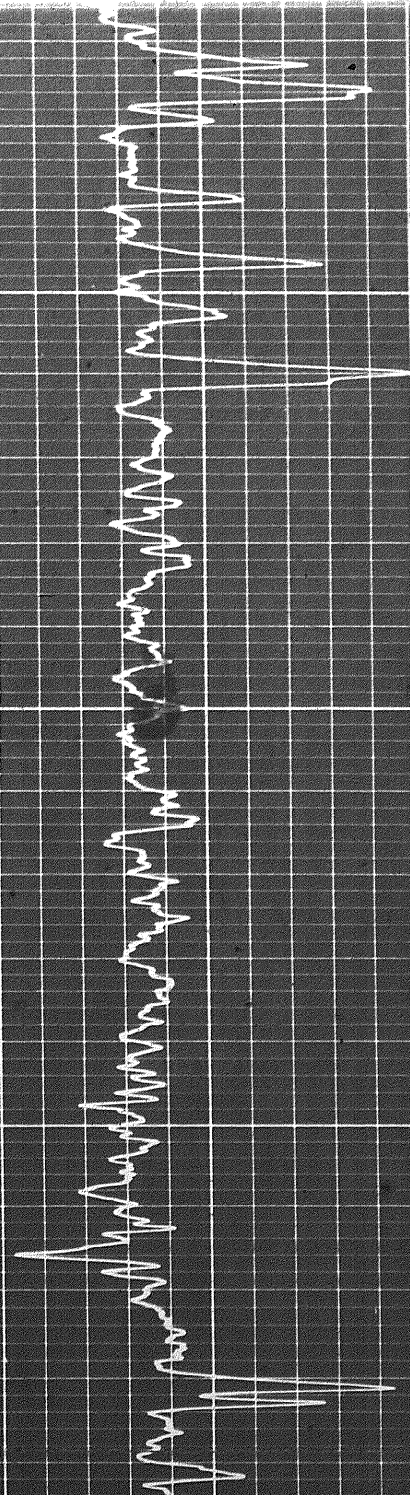
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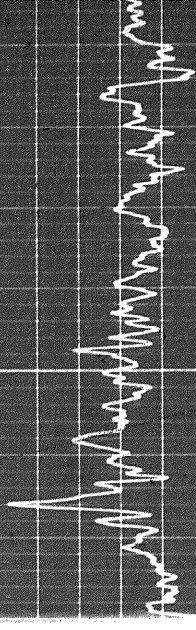


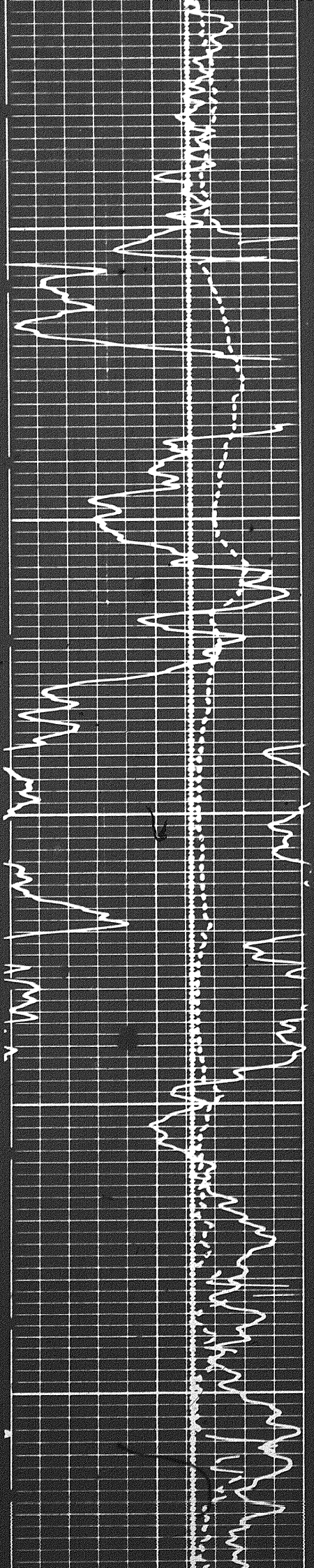
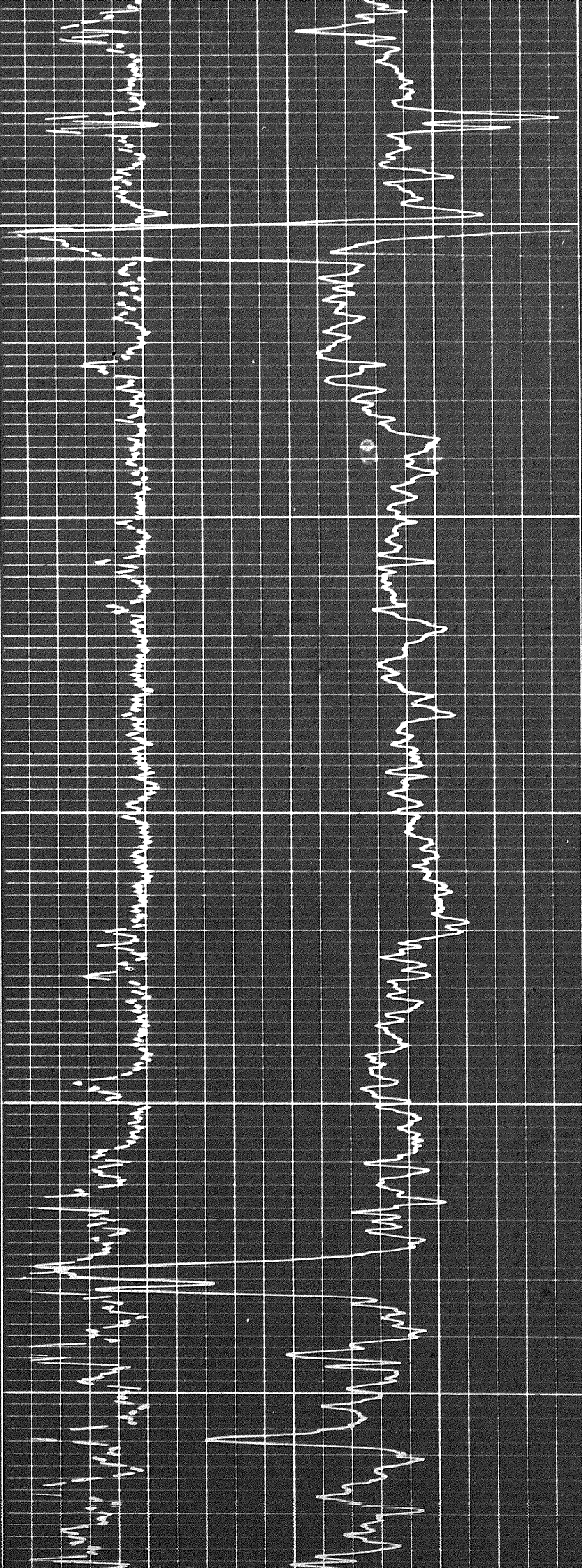
0016

ECG tracing on grid paper, showing a regular rhythm with narrow QRS complexes. The tracing is oriented vertically on the page.

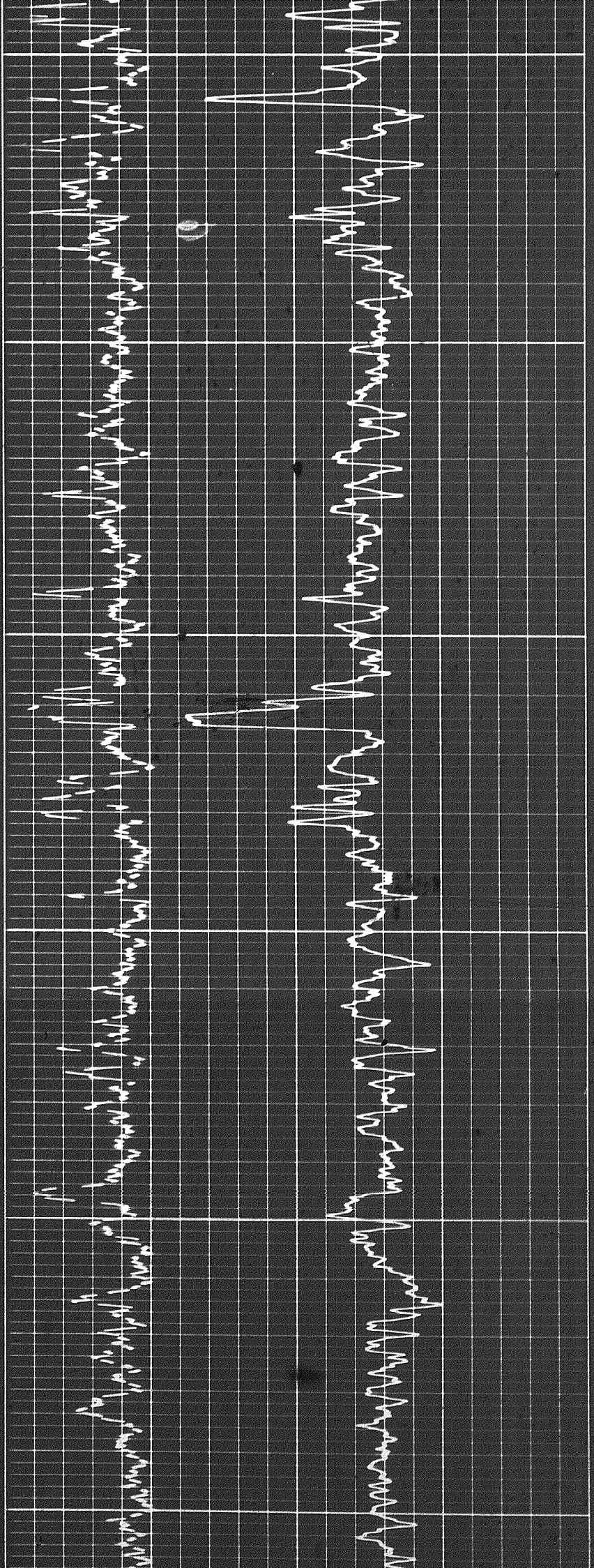


ECG tracing on grid paper, showing a regular rhythm with narrow QRS complexes. The tracing is oriented vertically on the page.





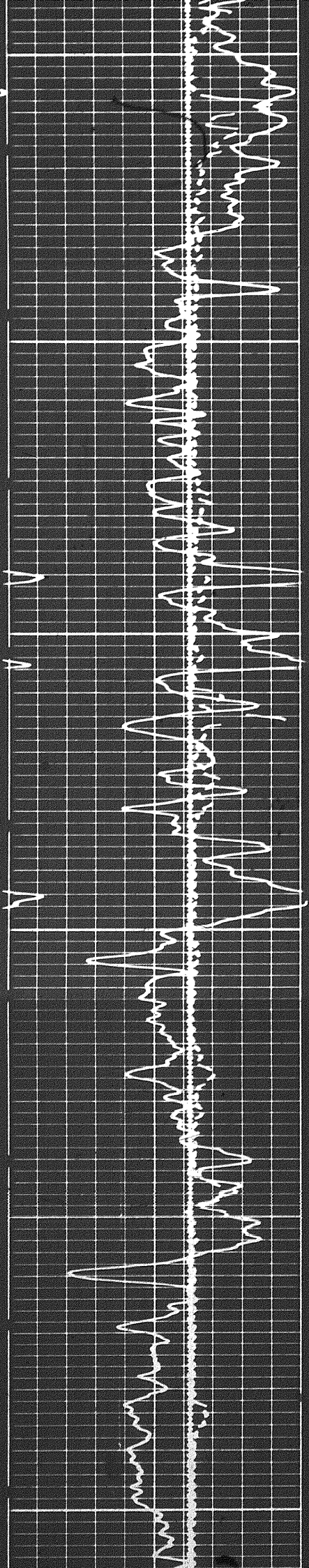
118

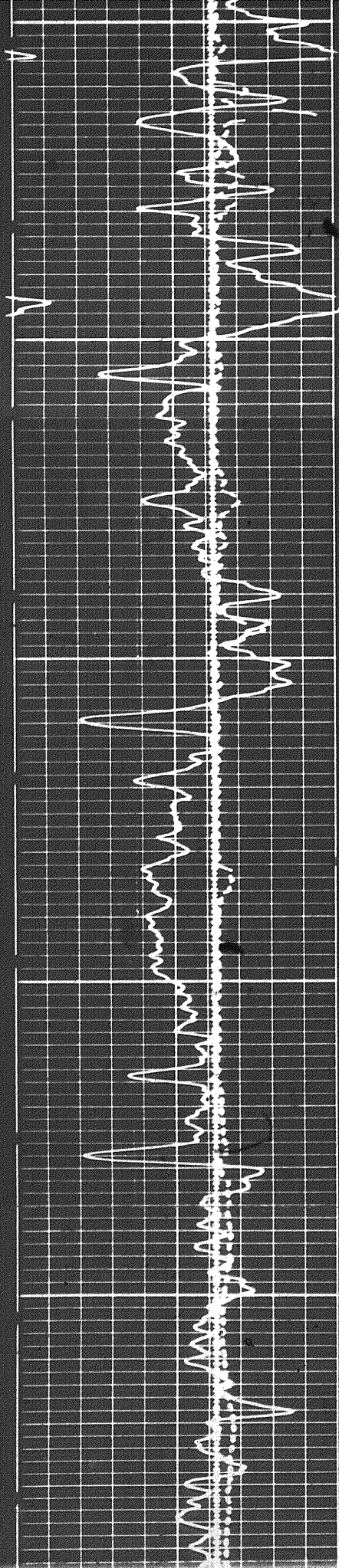


3400

3500

3600

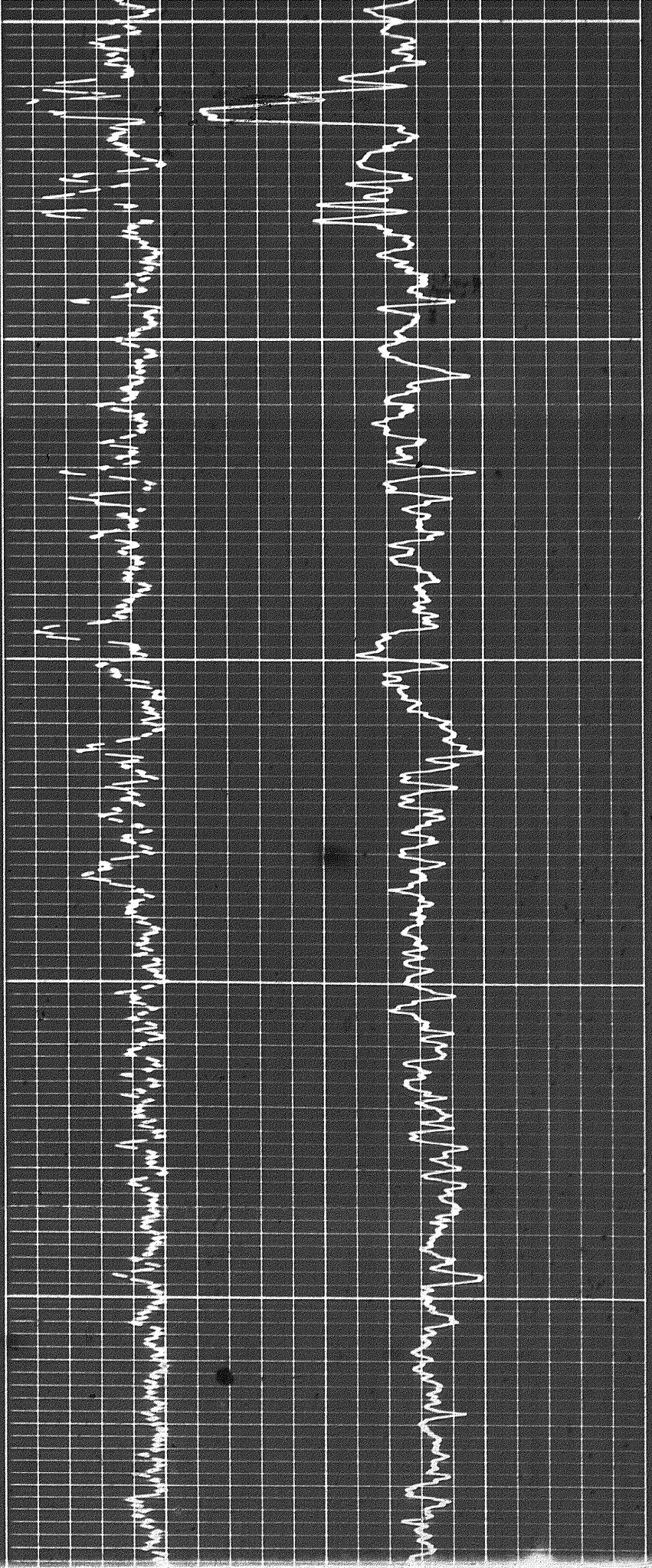


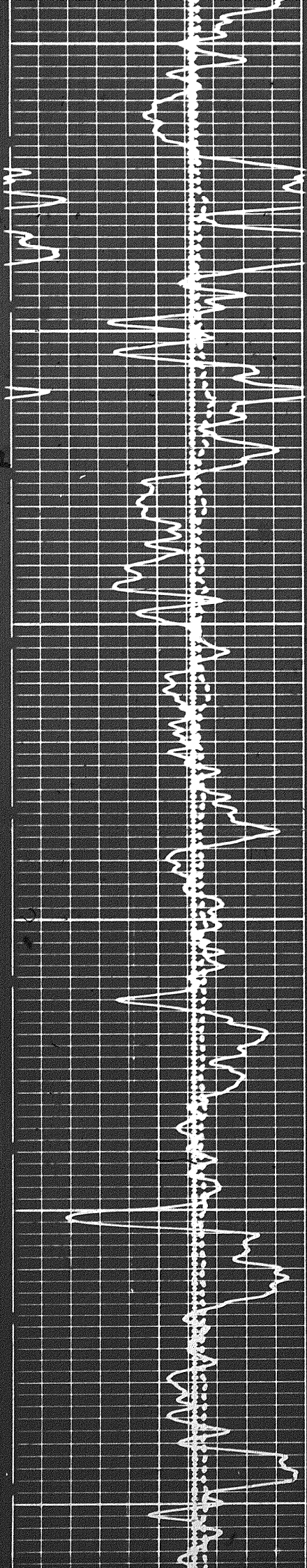


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3600

3700

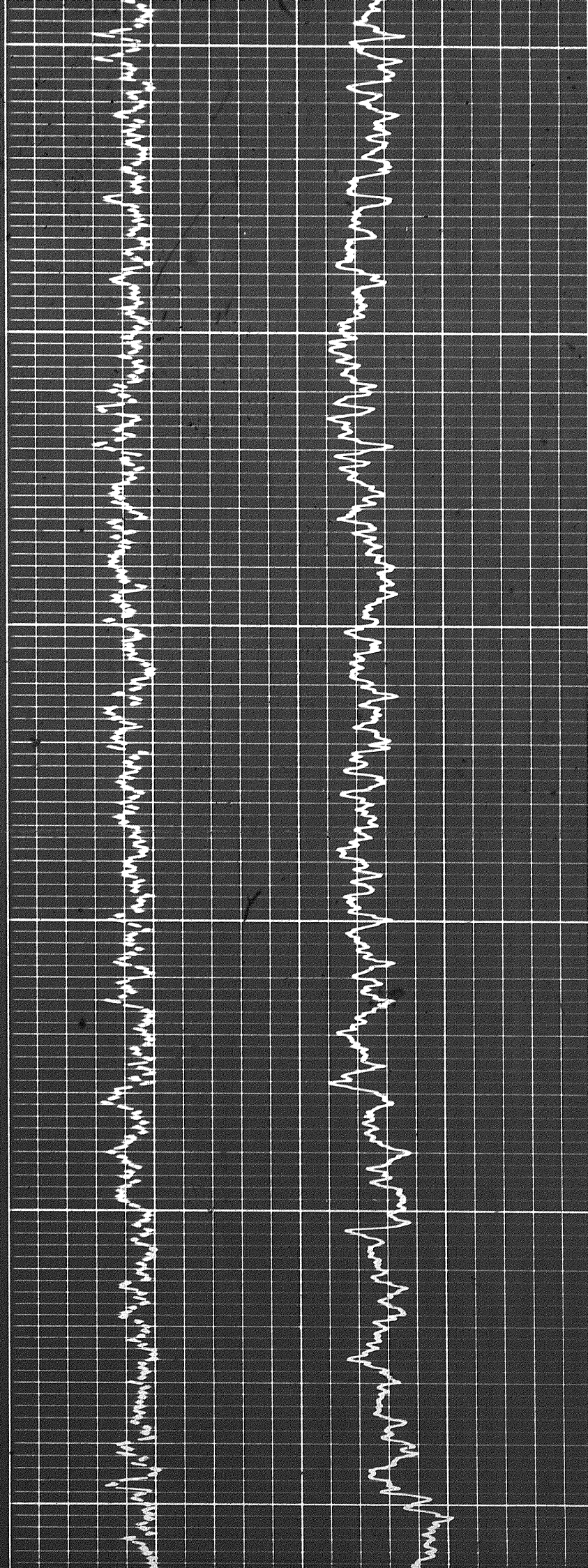




3800

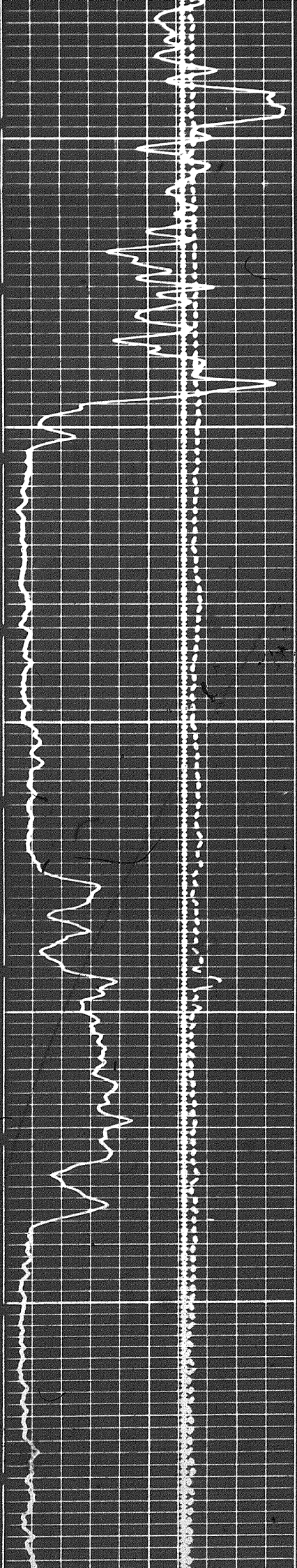
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4000



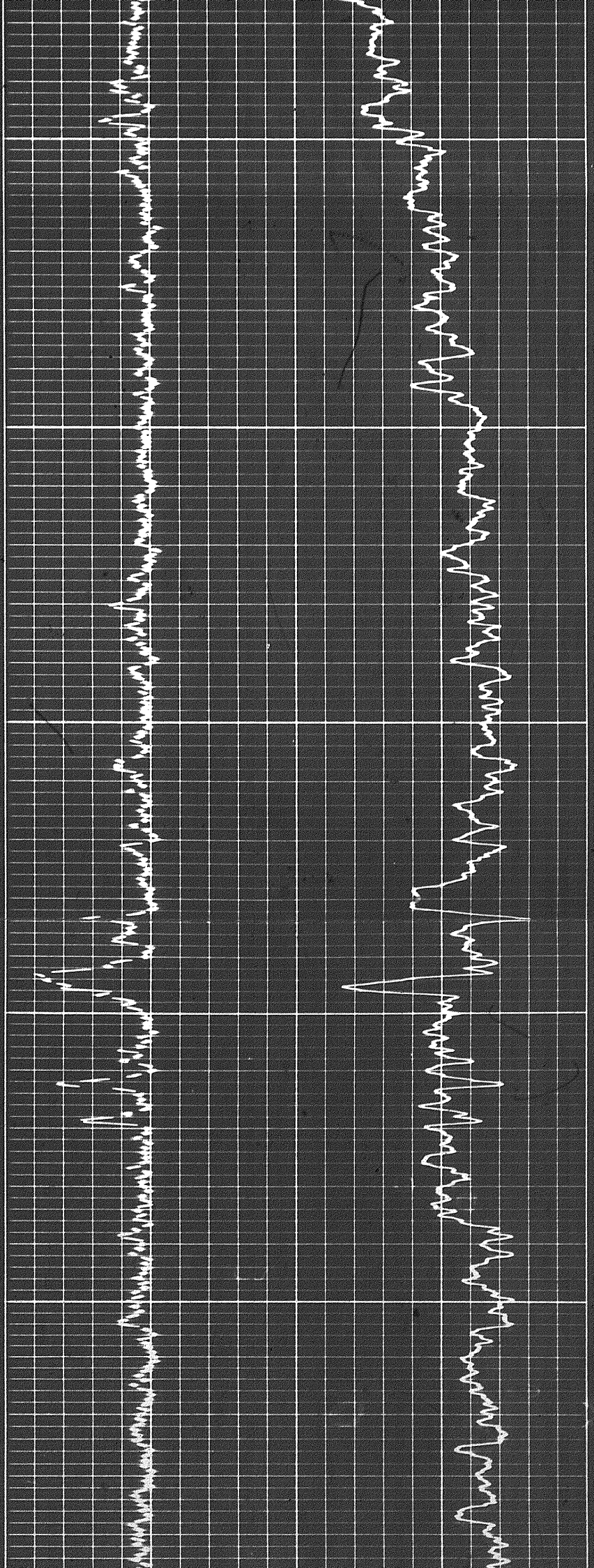
100

B



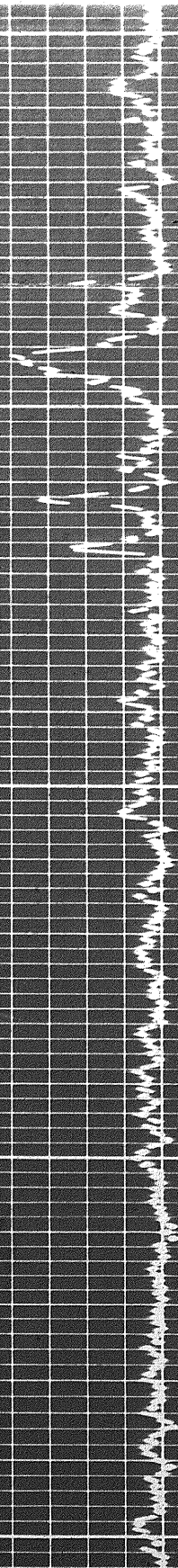
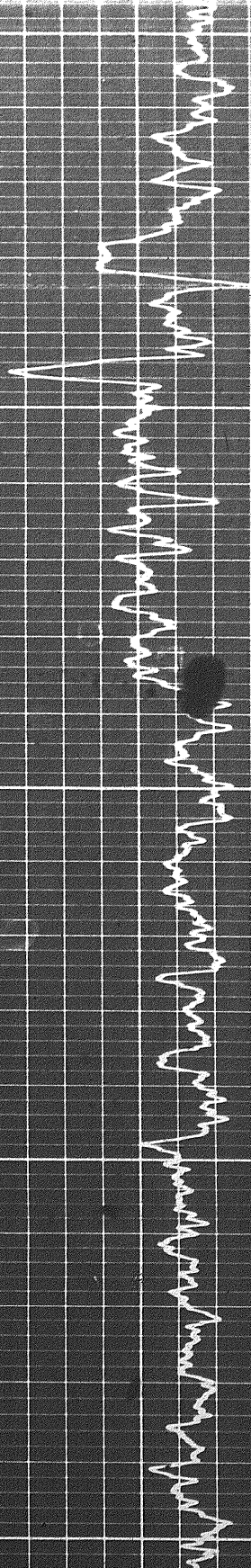
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4200



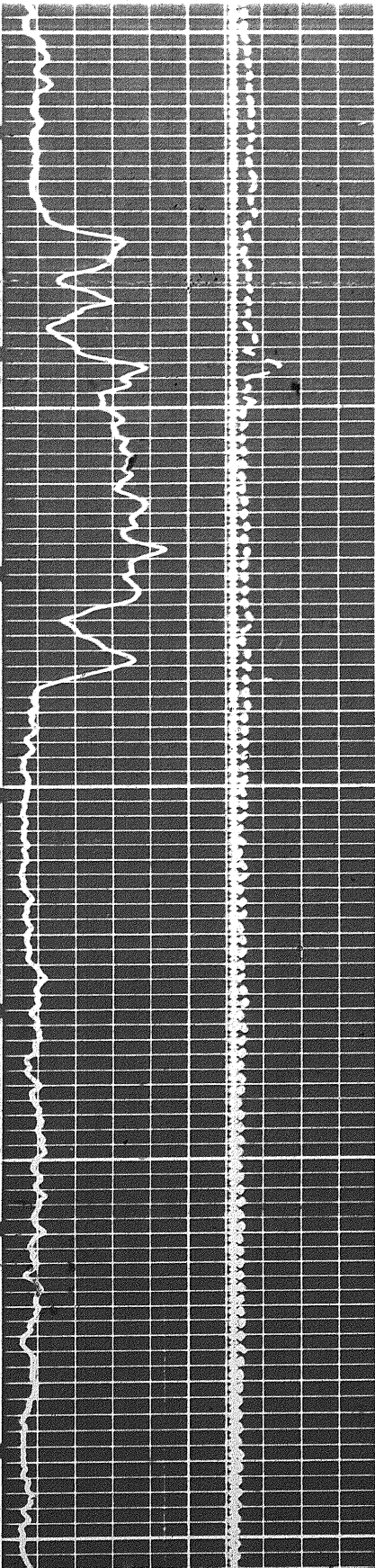


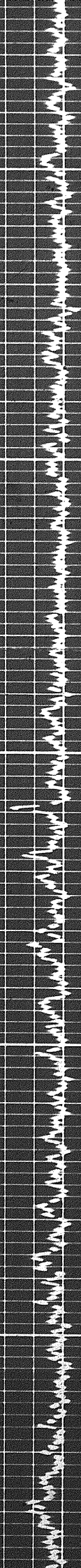
4300



4200

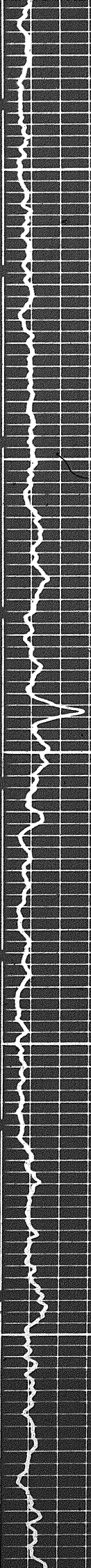
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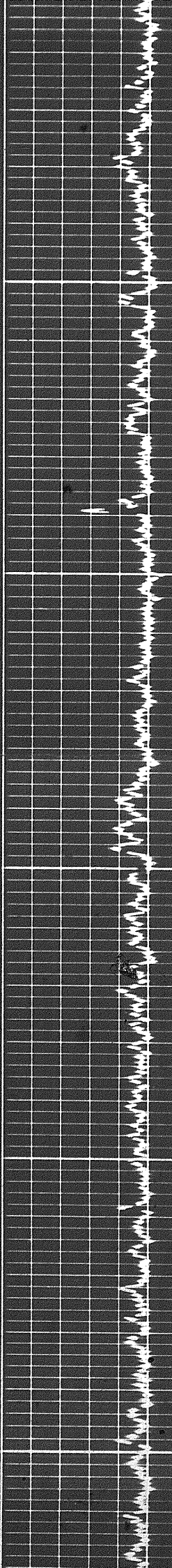
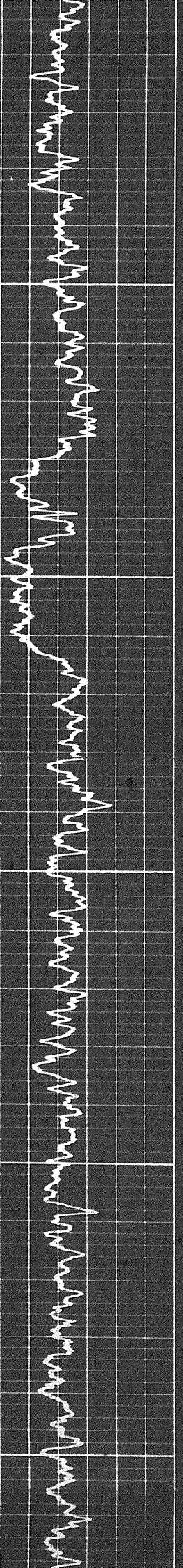




4400

4500

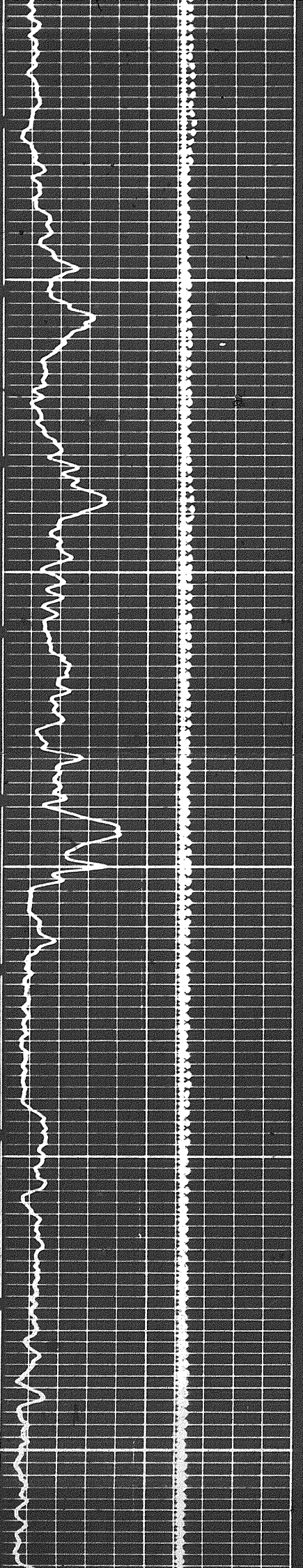


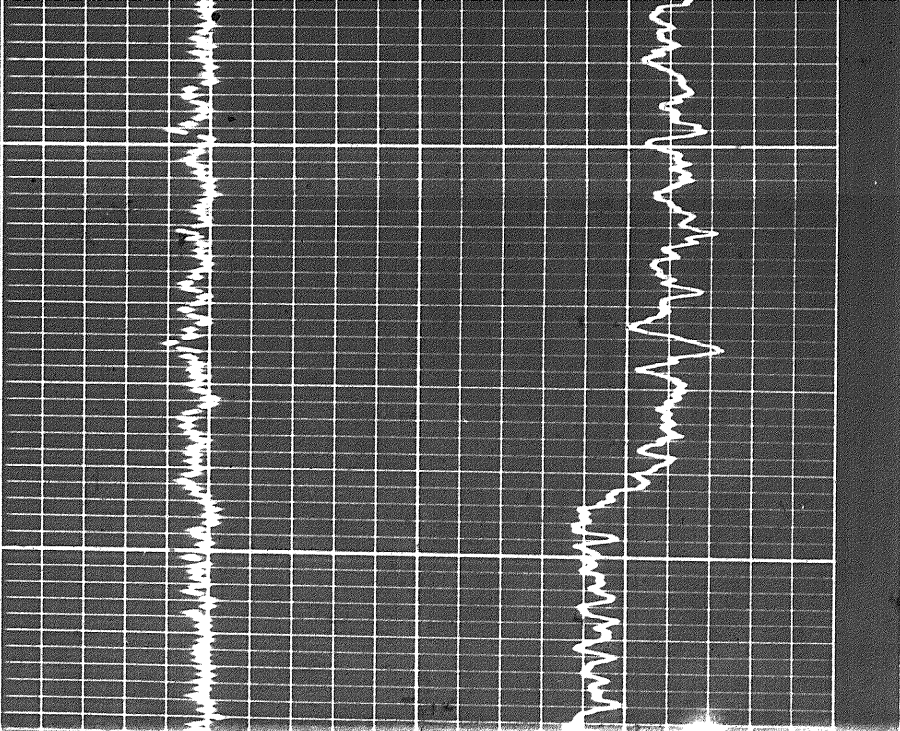


4600

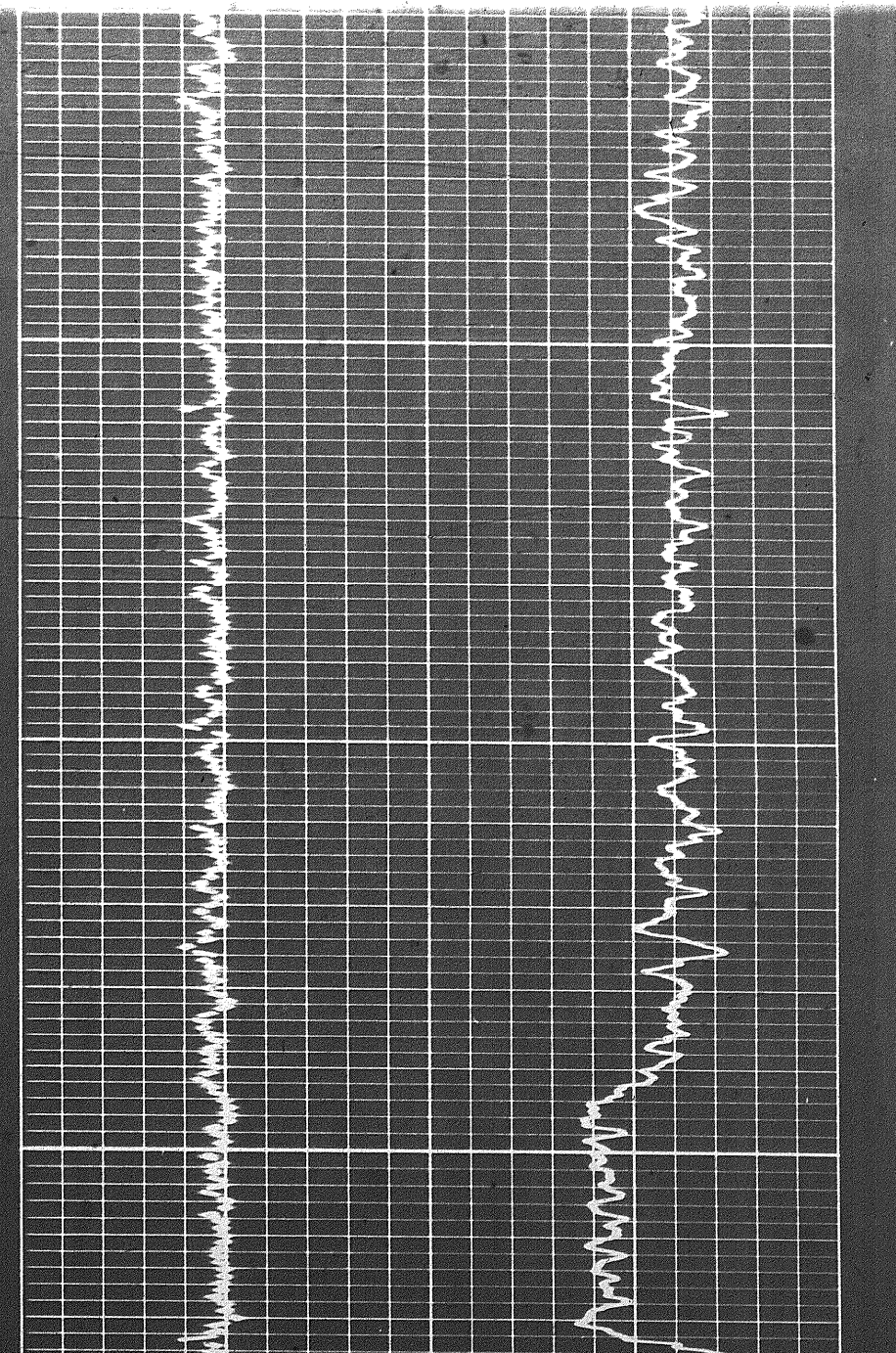
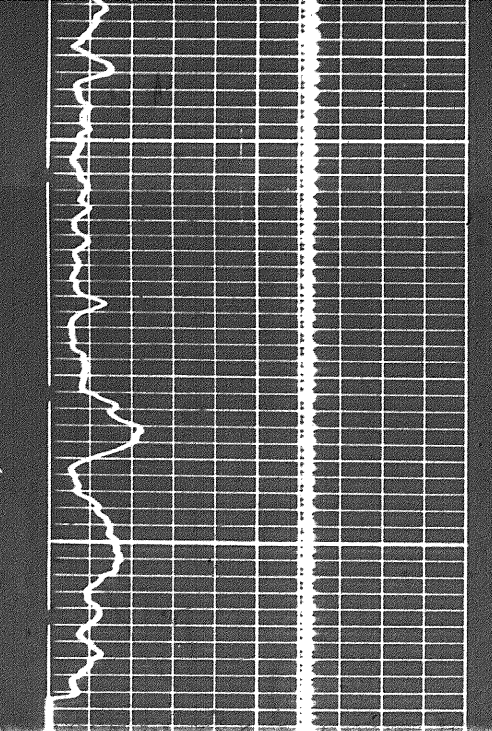
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4800

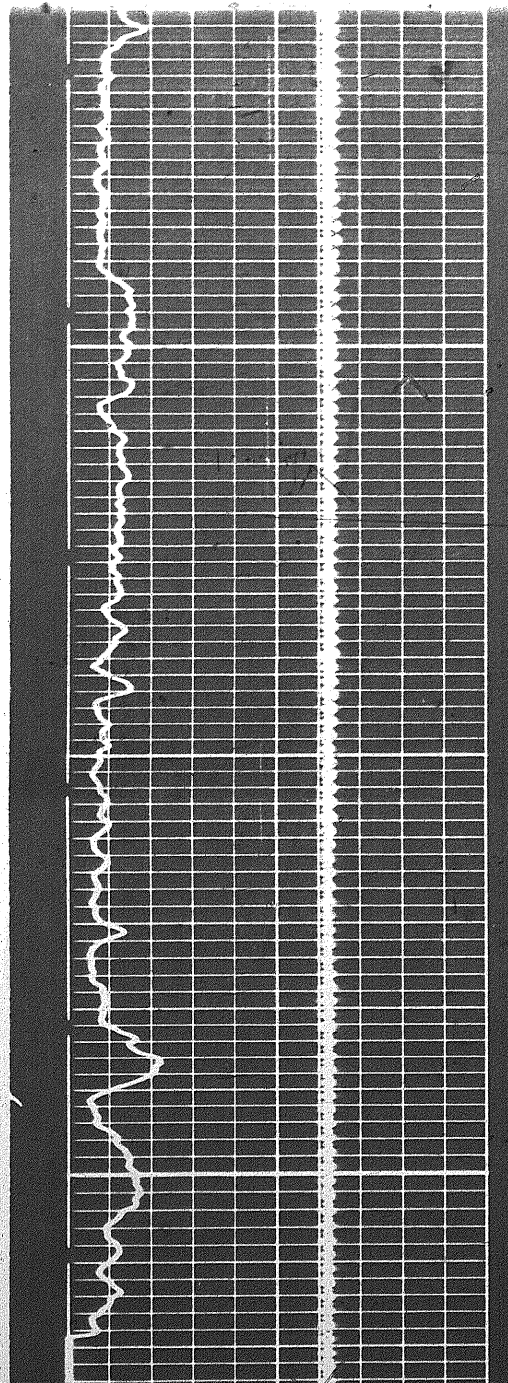


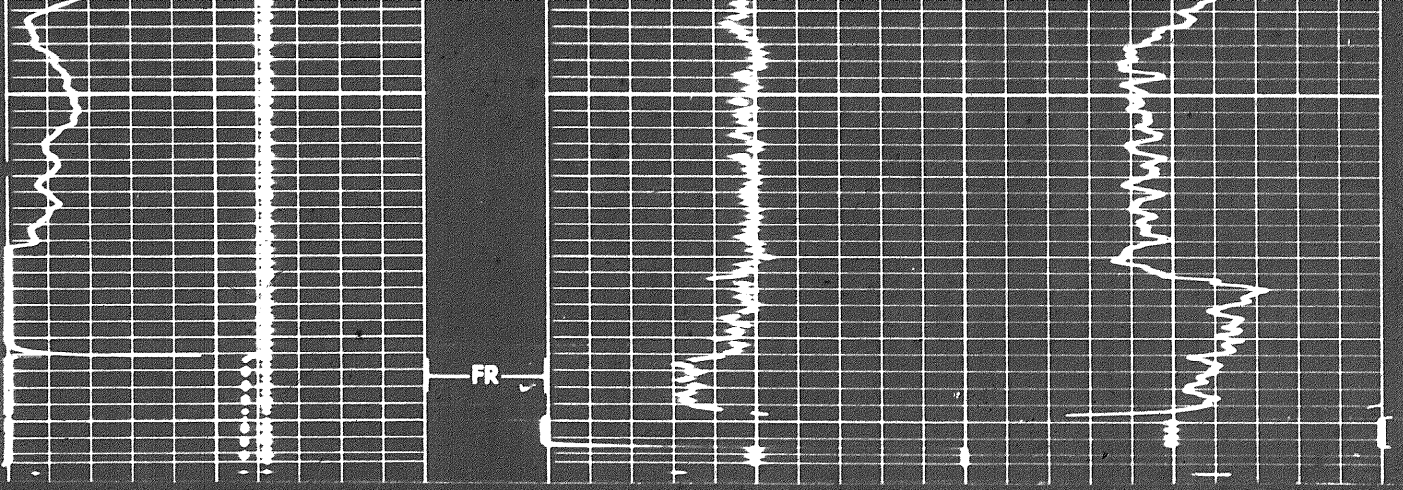


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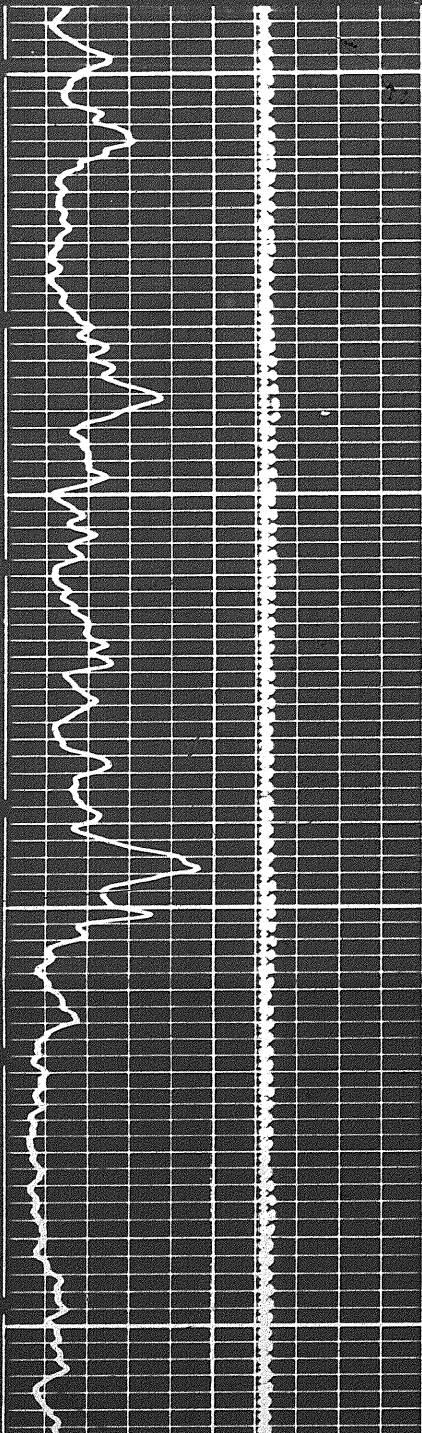


4900



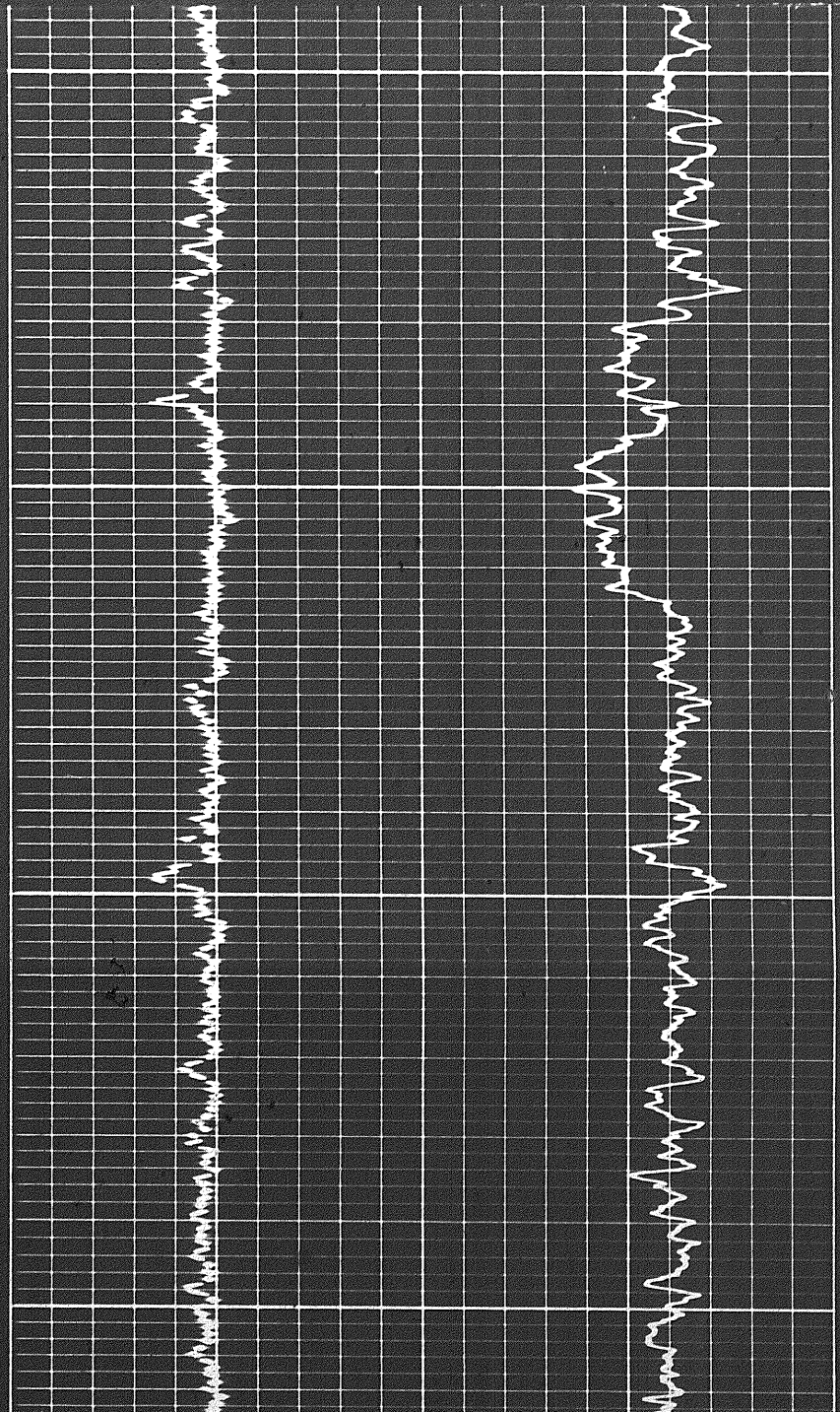


REPEAT SECTION

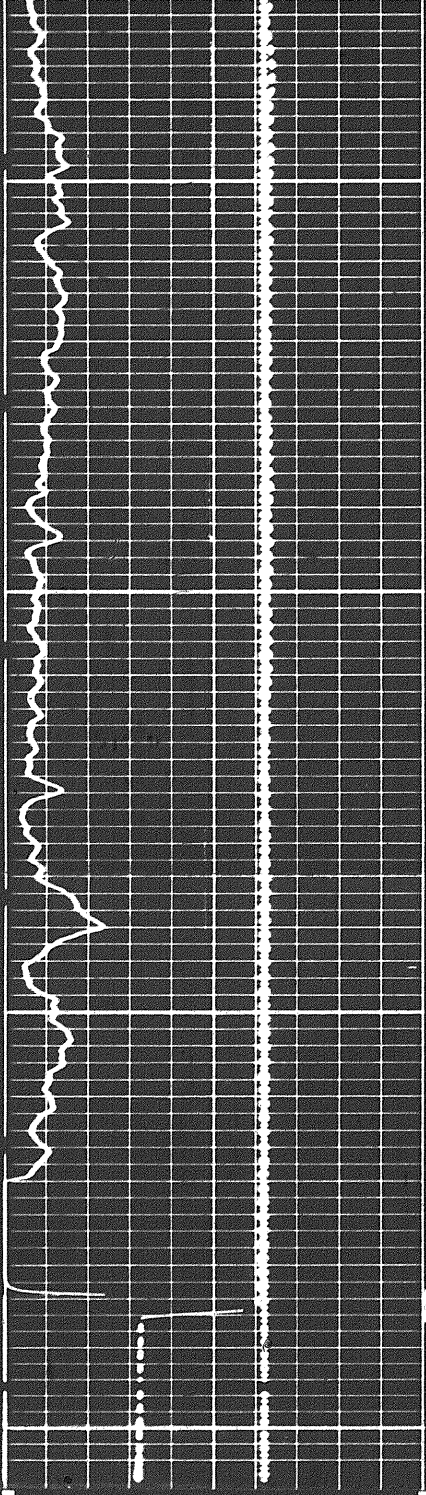


4600

4700



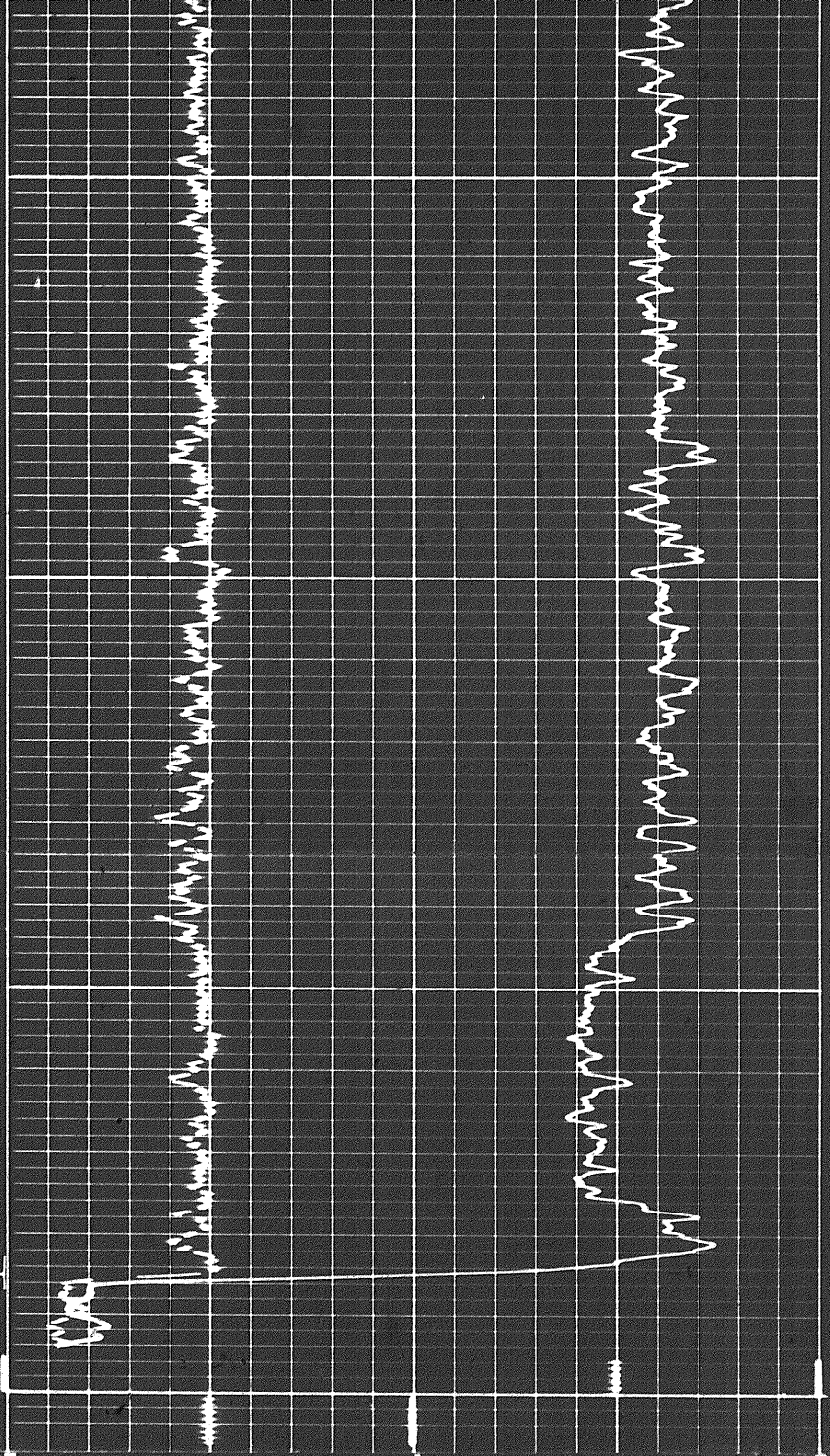
2



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

DEPTH

BULK DENSITY
 ρ_b - gm/cc

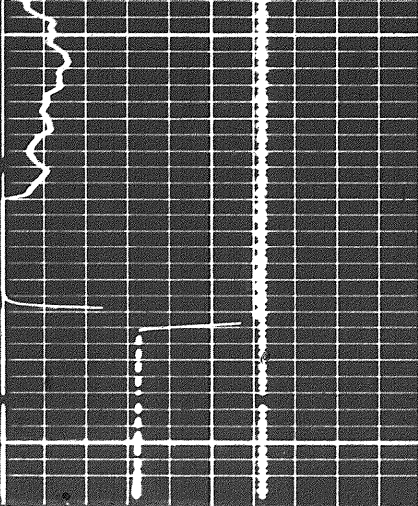
DETAIL LOG
5' = 100'

RUN 2

GAMMA RAY
API UNITS

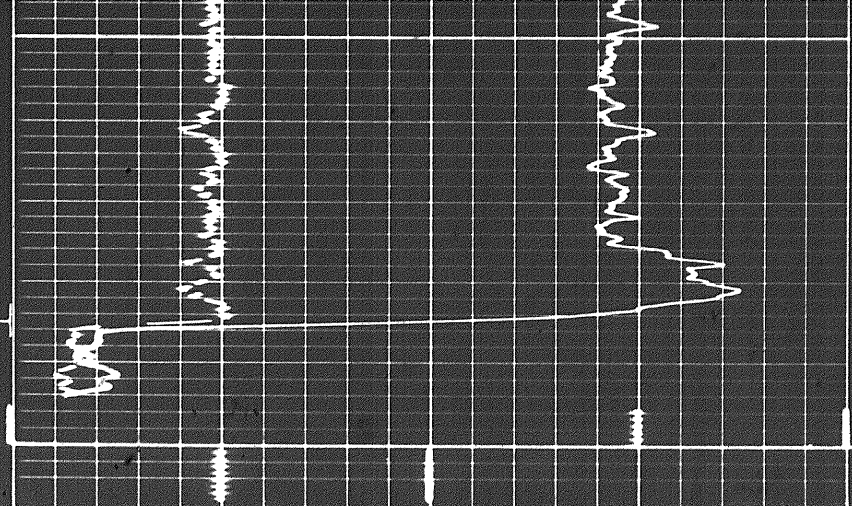
DEPTH

BULK DENSITY
 ρ_b - gm/cc



FR

4900



7 8 9 10 11 12 13 14 15

CALIPER
hole diameter in inches

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

0 150
150 300

(+) 0.25 0 (-) 0.25

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

2.0 2.5 3.0

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

0 100
100 200

CALIPER
hole diameter in inches

6 7 8 9 10 11 12 13 14

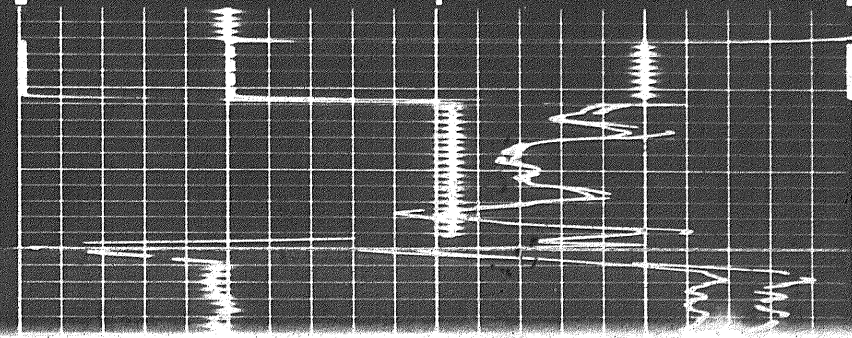
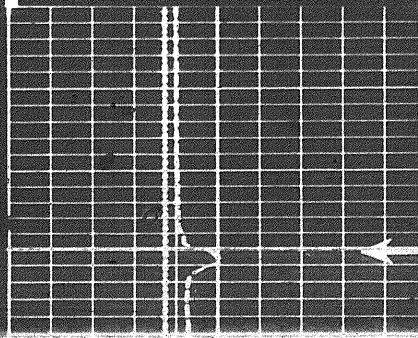
2.0 2.5 3.0
POROSITY %
30 10 -10

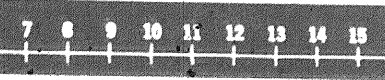
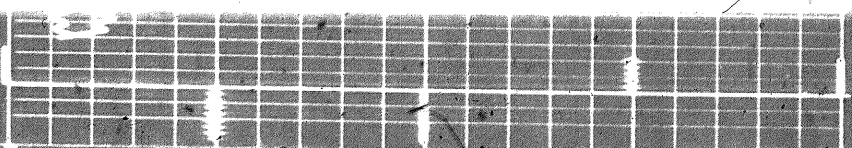
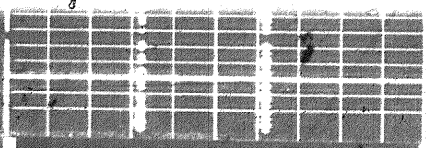
DENSITY CORRECTION
 $\Delta\rho - \text{gm/cc}$

Rho-g = 2.71
Rho-f = 1.00

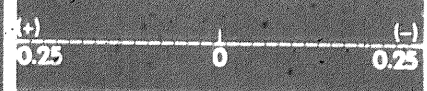
0.25 0 0.25
(+) (-)

Casing
4900





CALIPER
hole diameter in inches



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

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



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

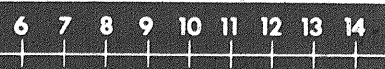
Speed in FPM
Sens. 100 T.C. 2
Zero 0 div. to left
100 200



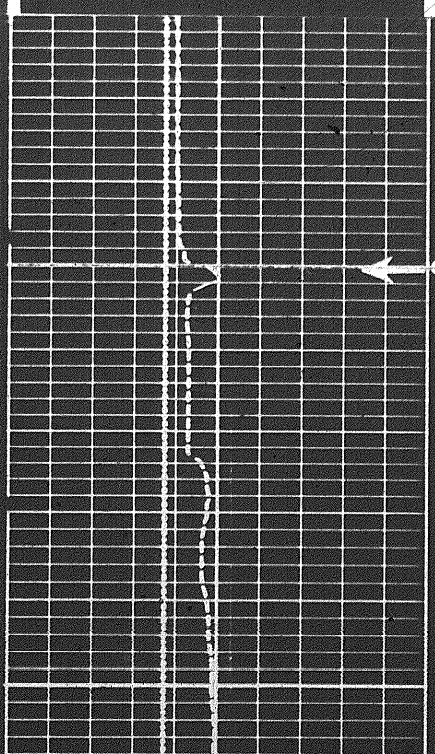
POROSITY %
10 -10

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

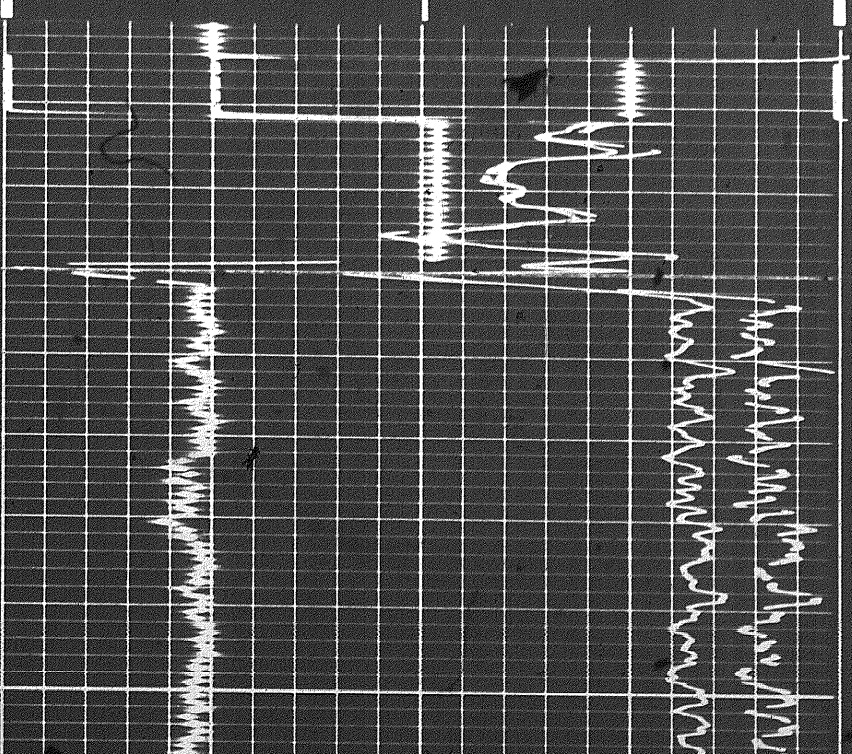
Rho-g = 2.71
Rho-f = 1.00



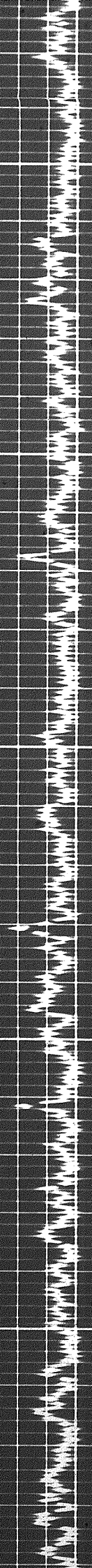
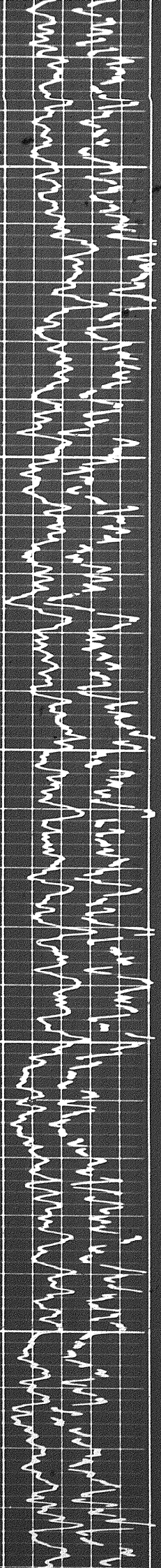
CALIPER
hole diameter in inches



Casino
4980

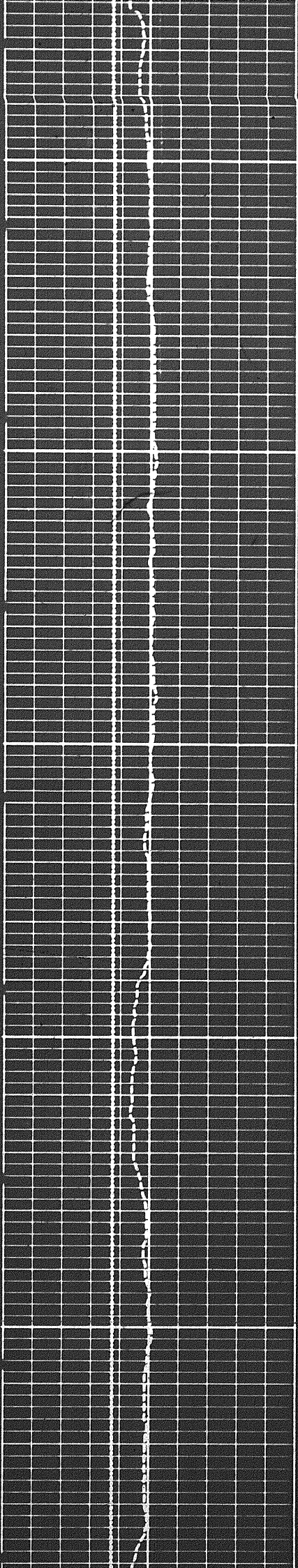


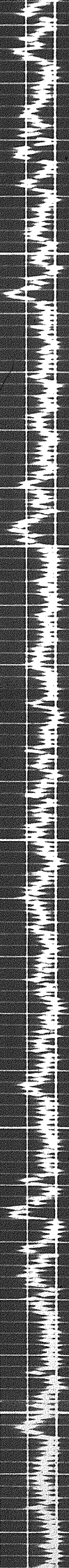
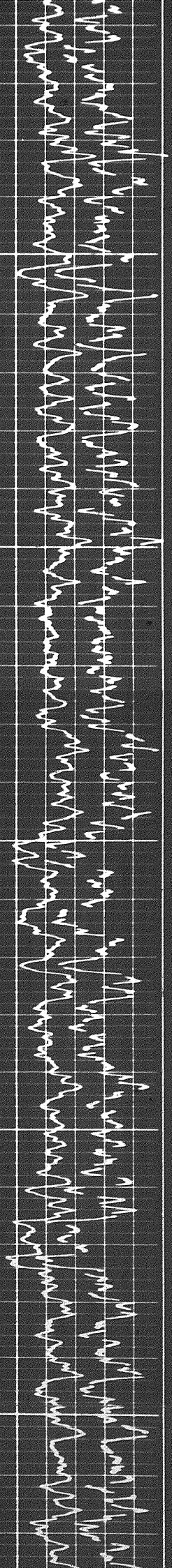
Handwritten notes:
Mud weight 11.5 lb/gal
Mud volume 1.05 cu ft
Mud weight 11.5 lb/gal



5000

5100

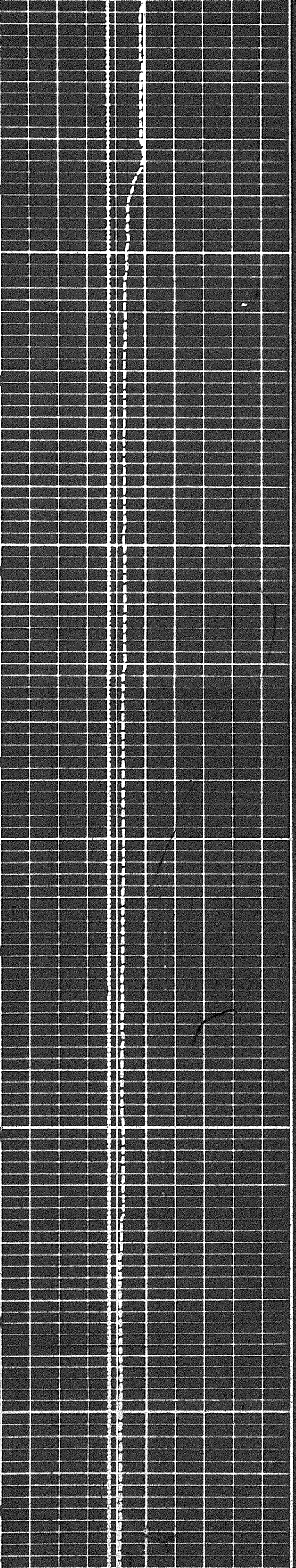


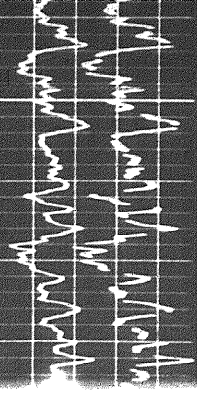


5200

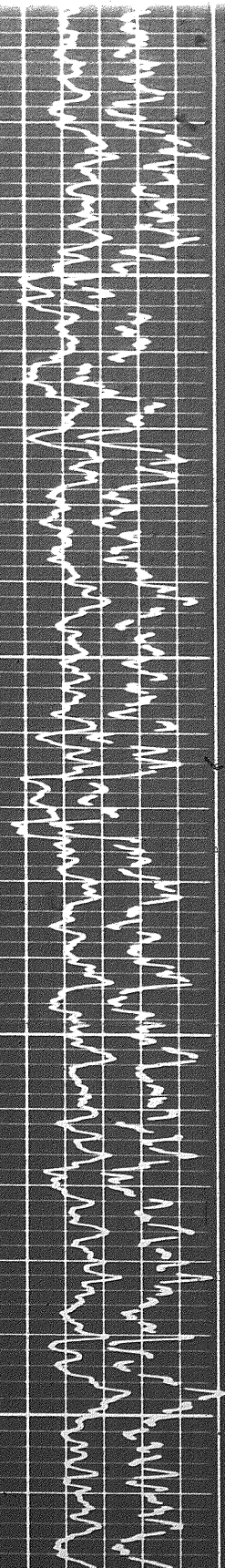
5300

5400



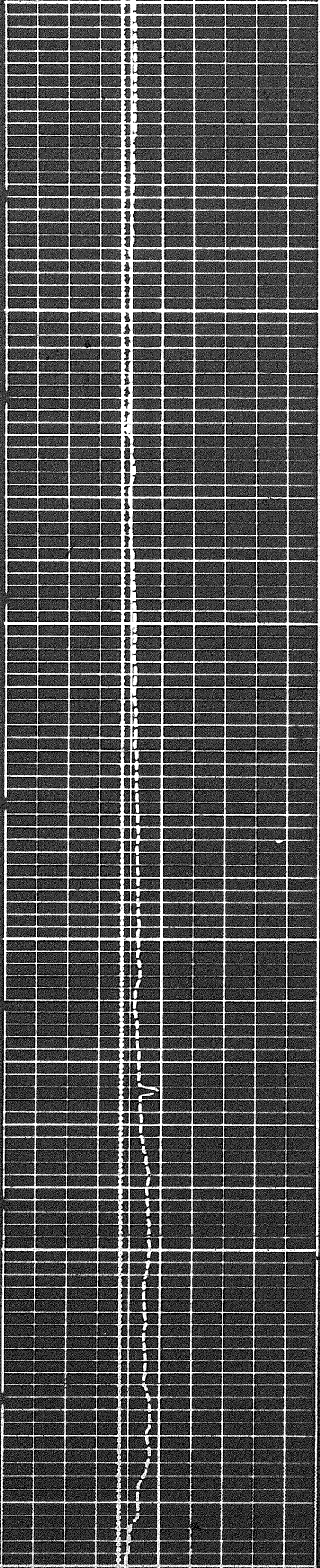


5400



5300

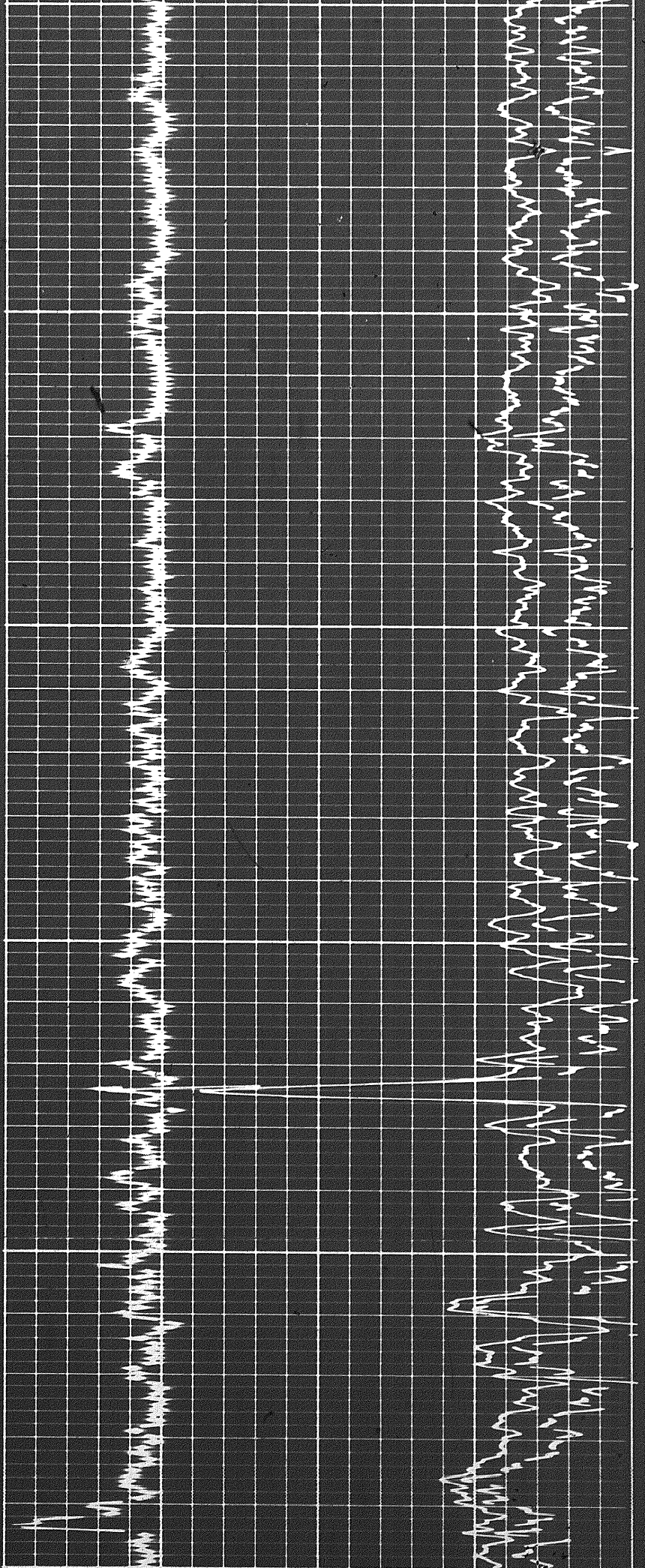
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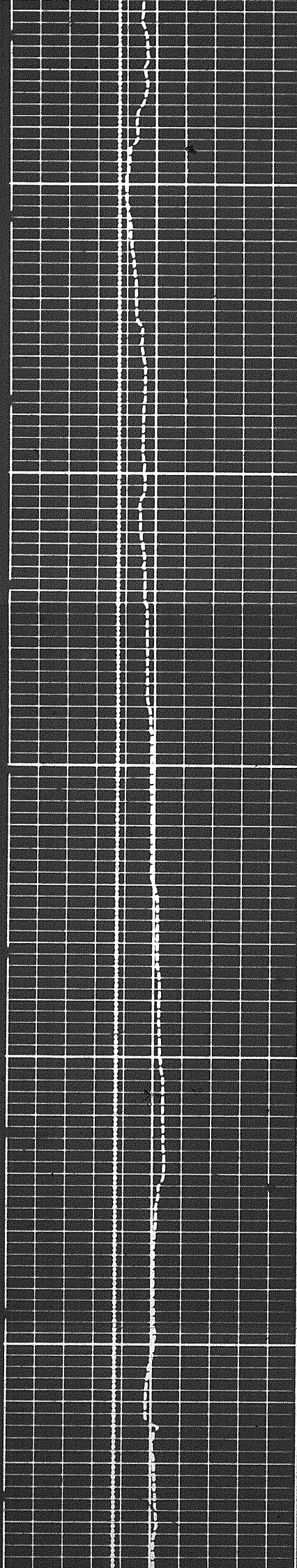
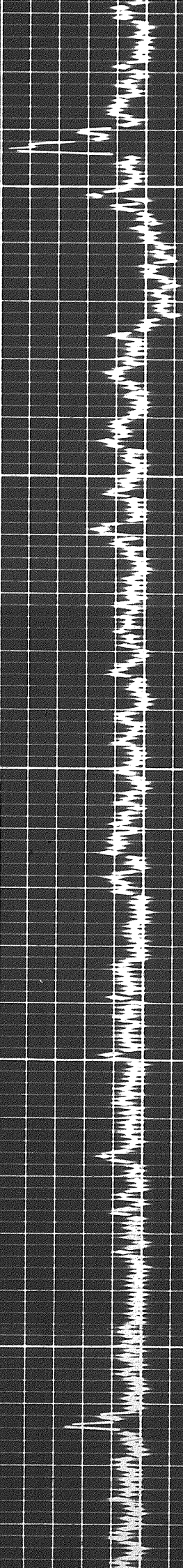
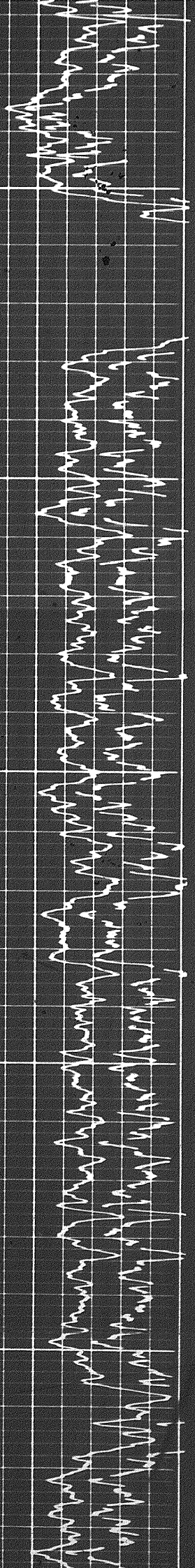


5600

5600

5700

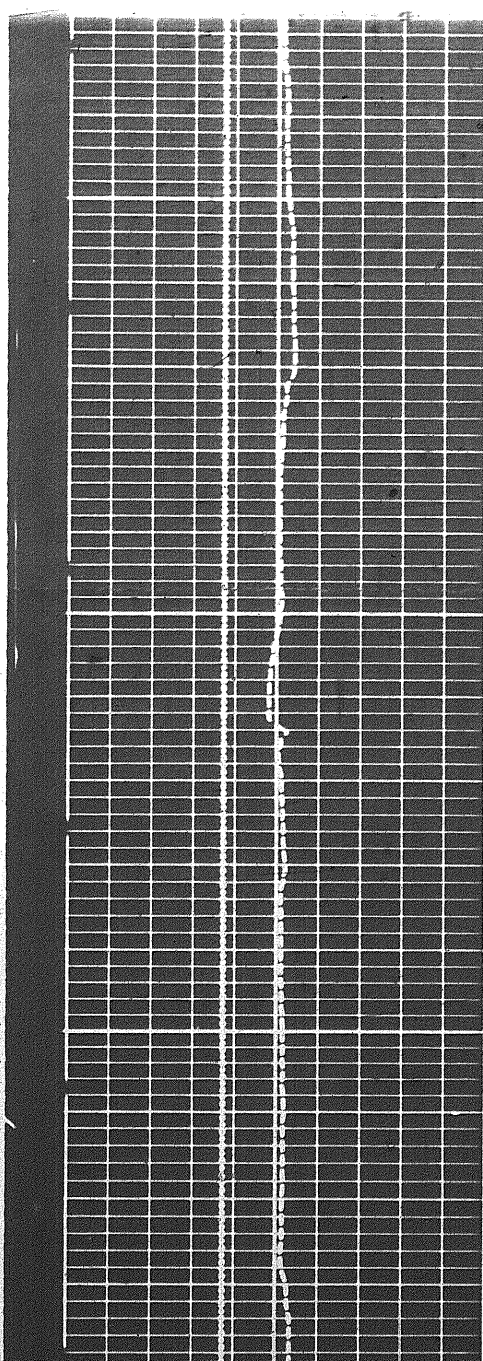
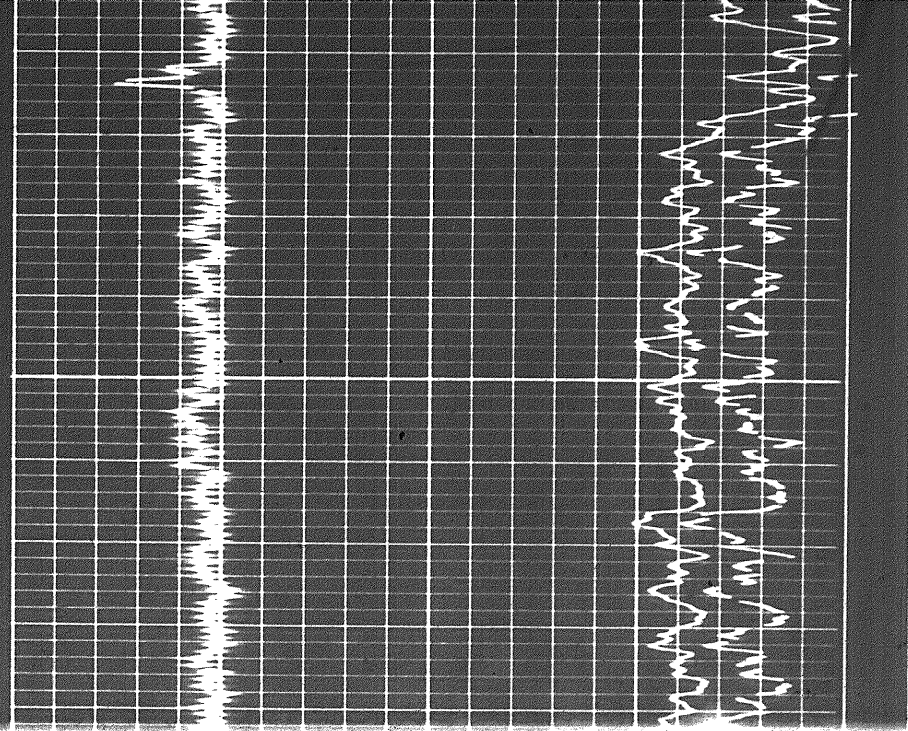
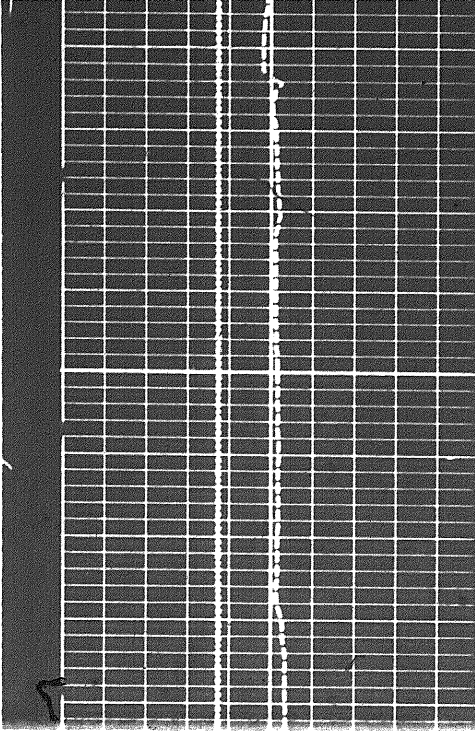




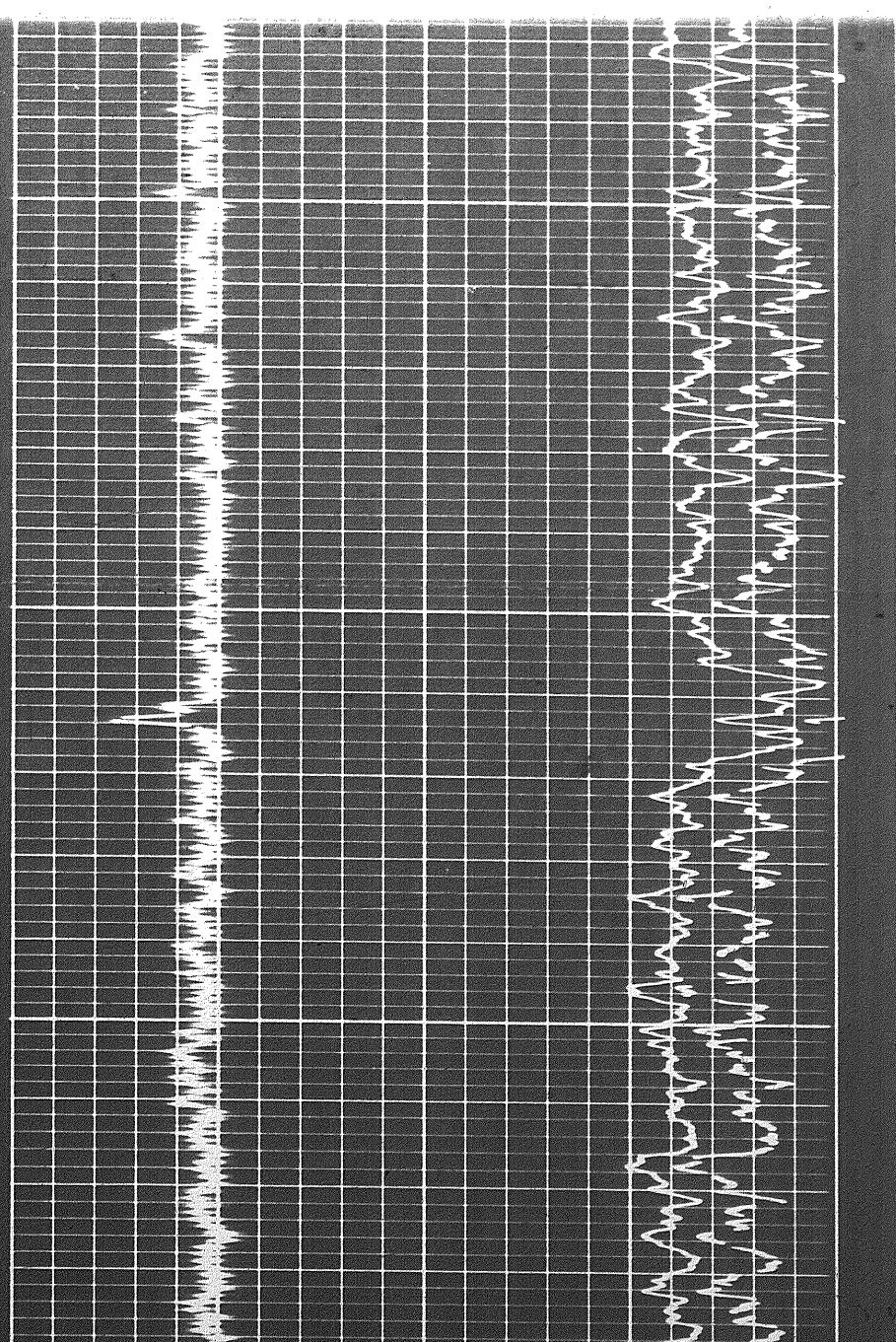
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5800

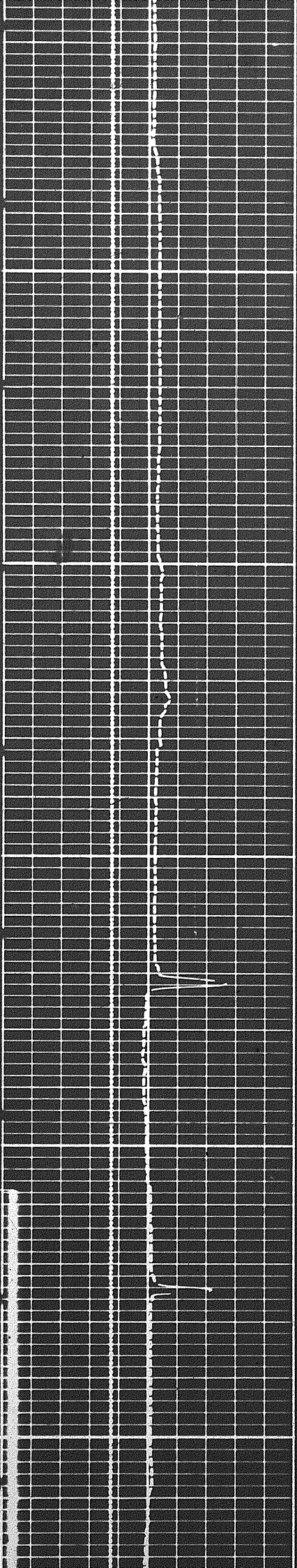
5900



0085



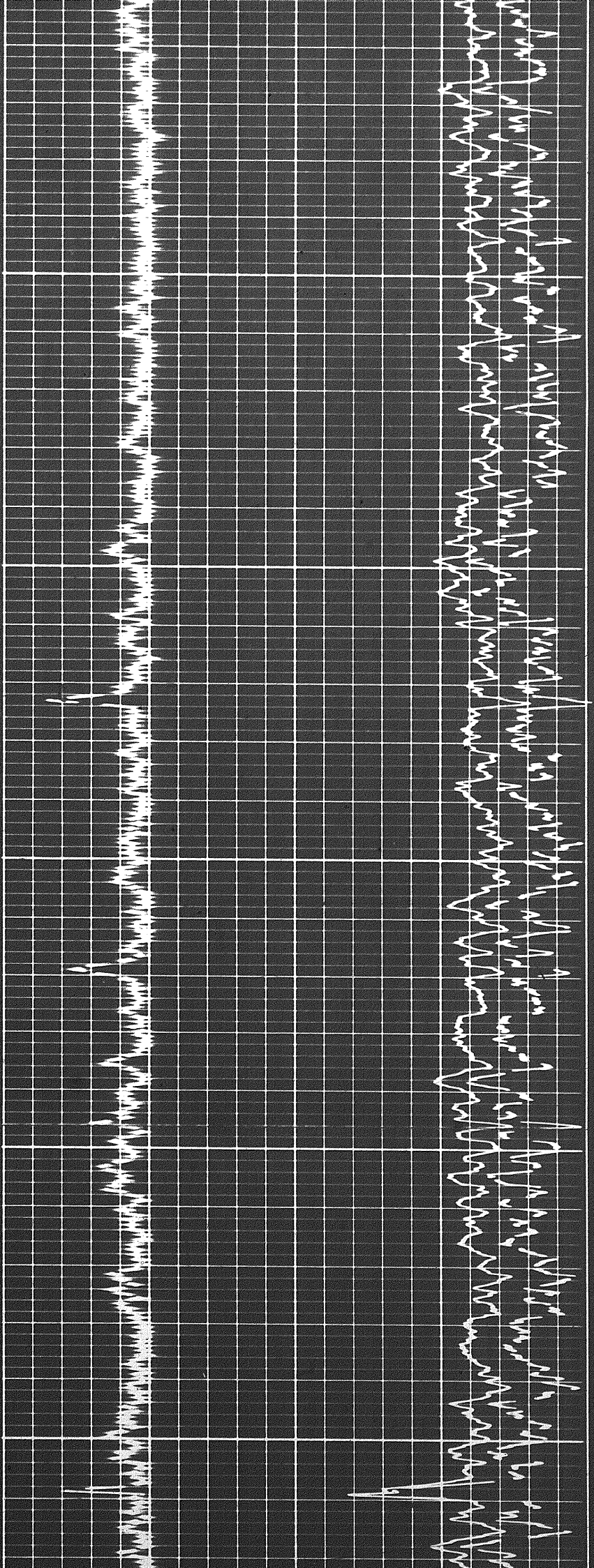
128

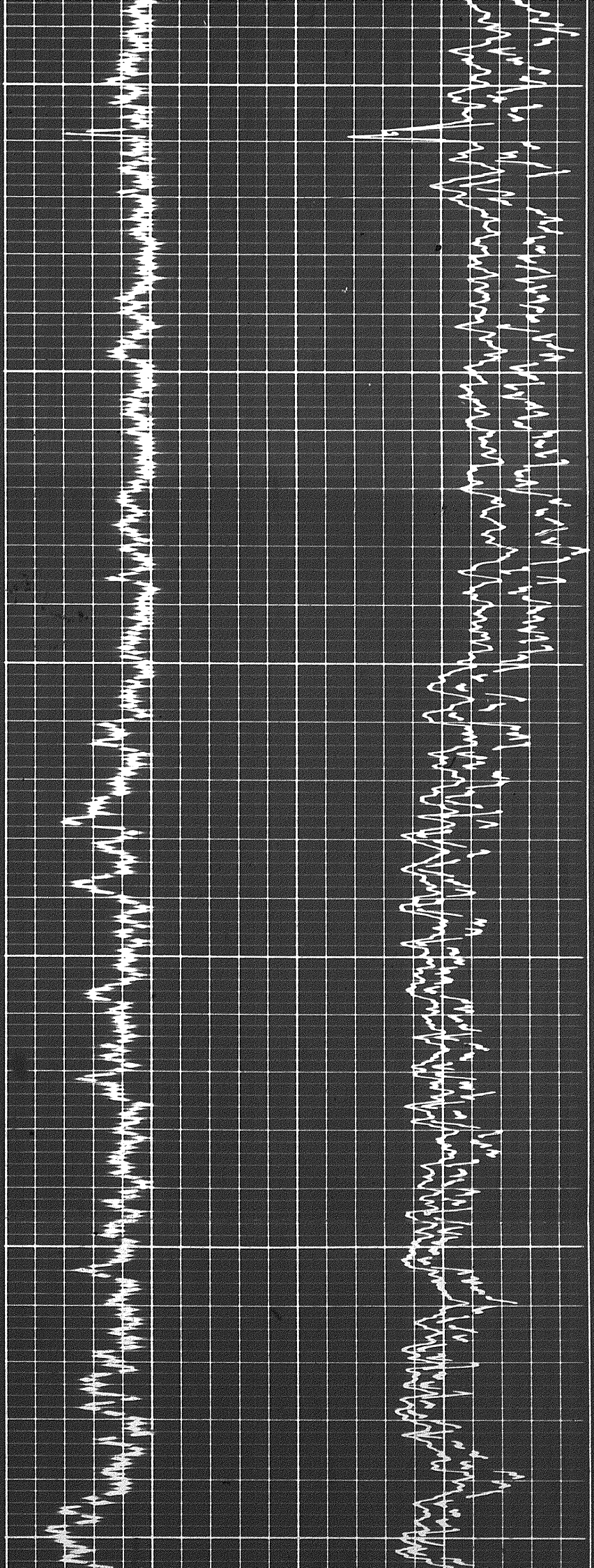


6000

6100

6200

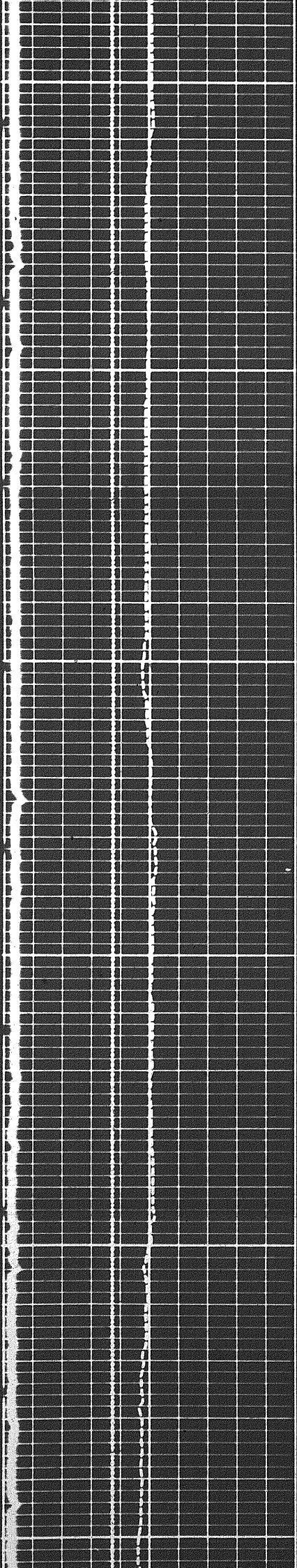


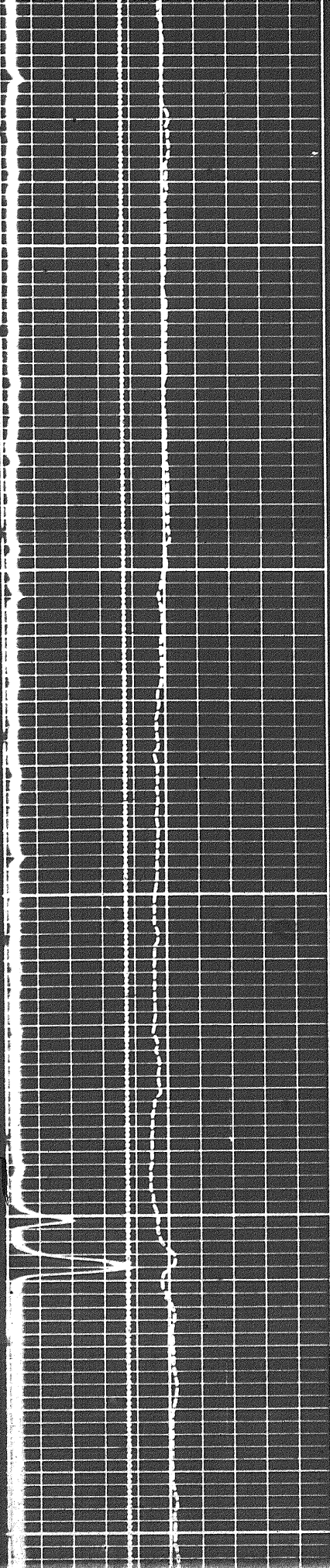


6200

6300

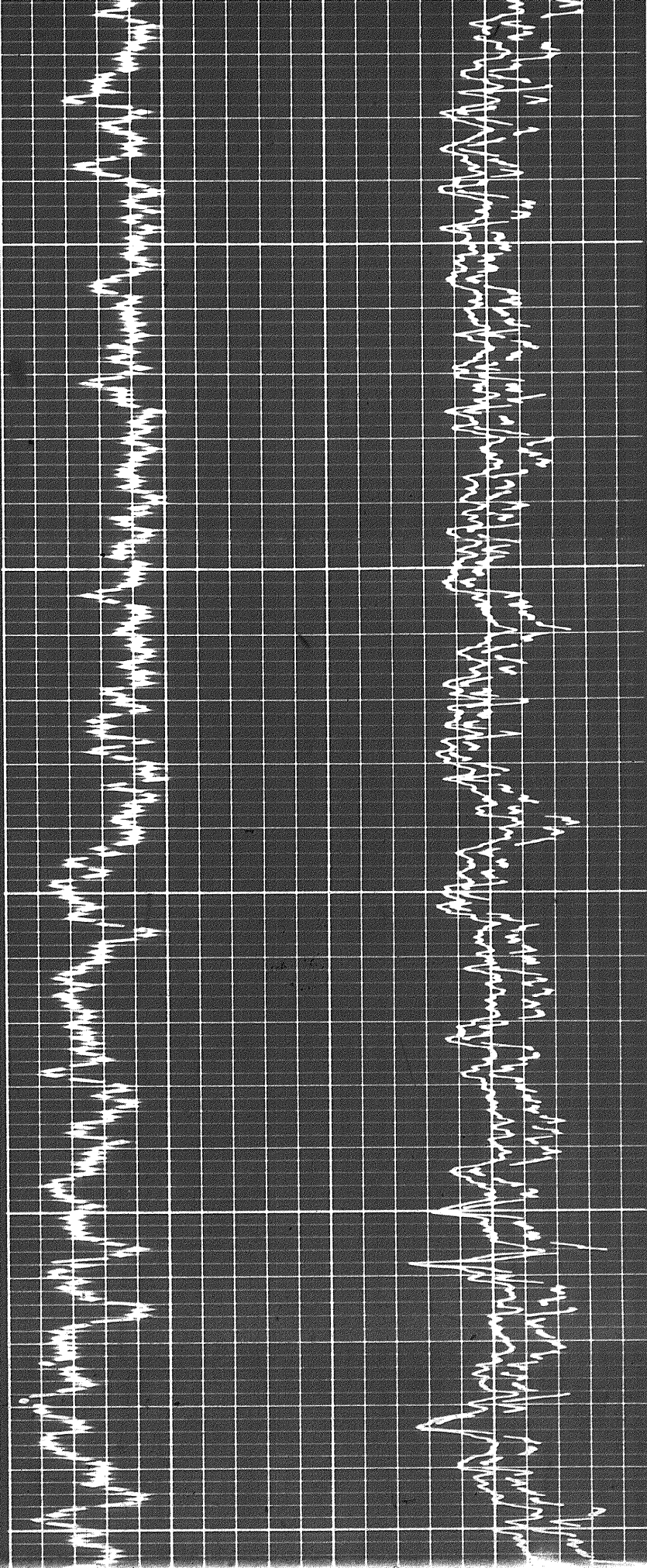
6400

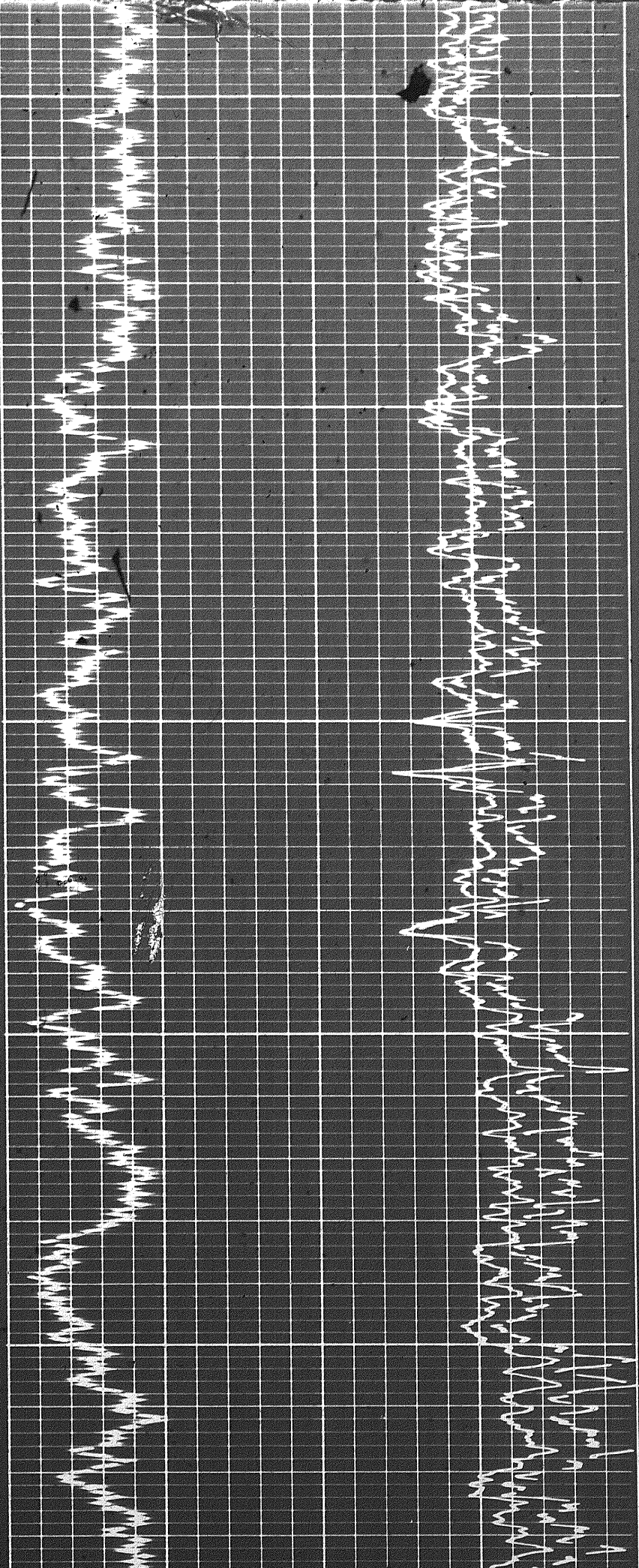




6400

6300

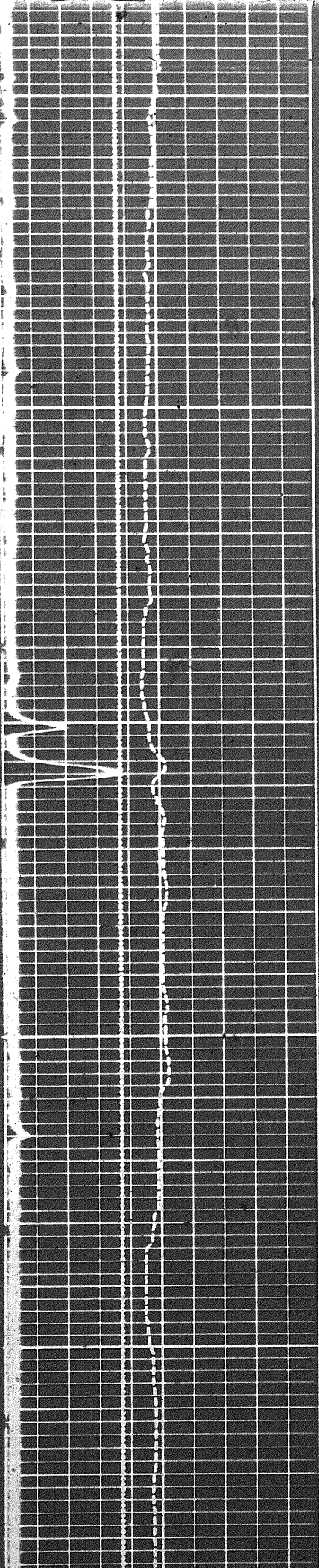


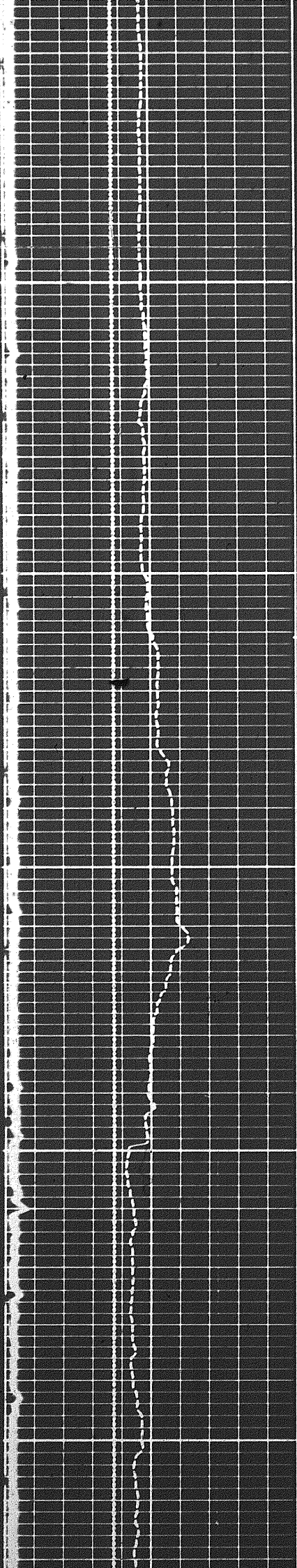


6:00

6:30

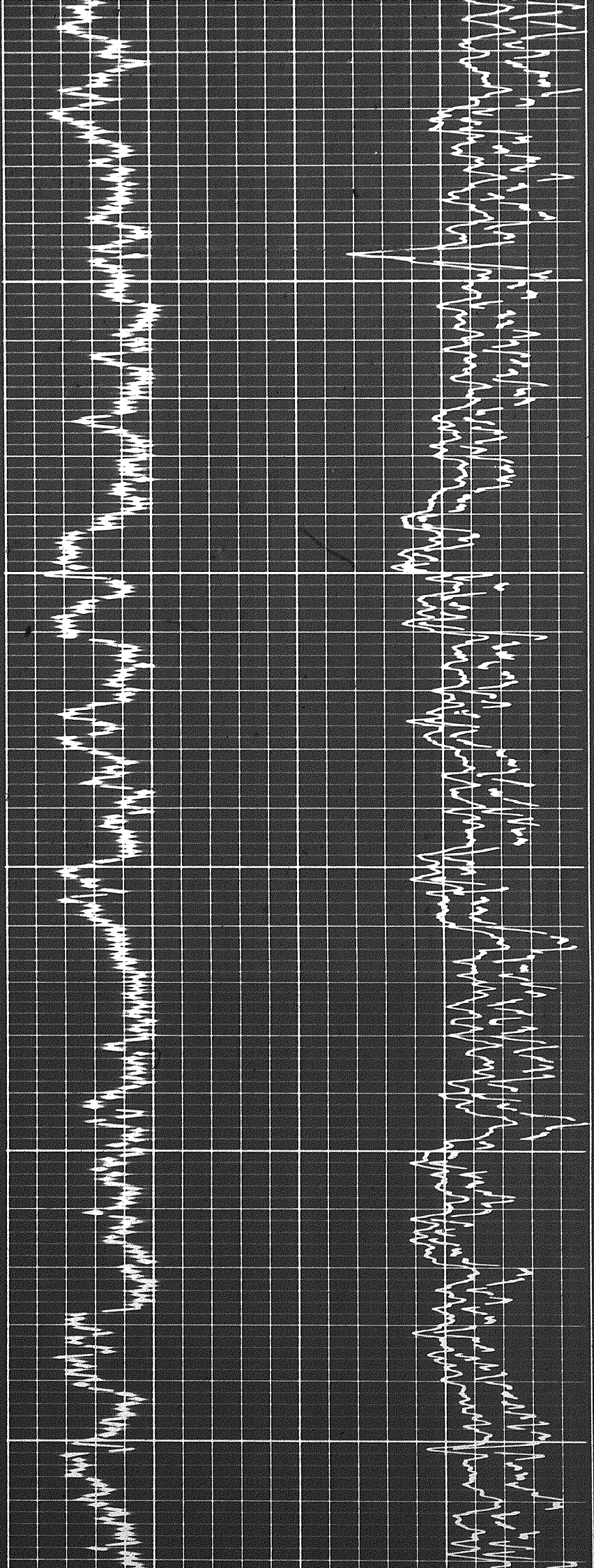
6:30

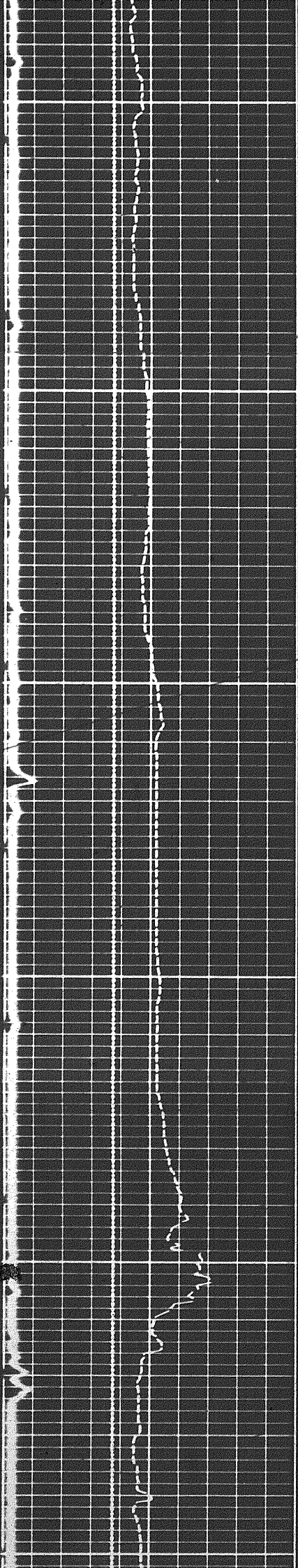




6700

6800

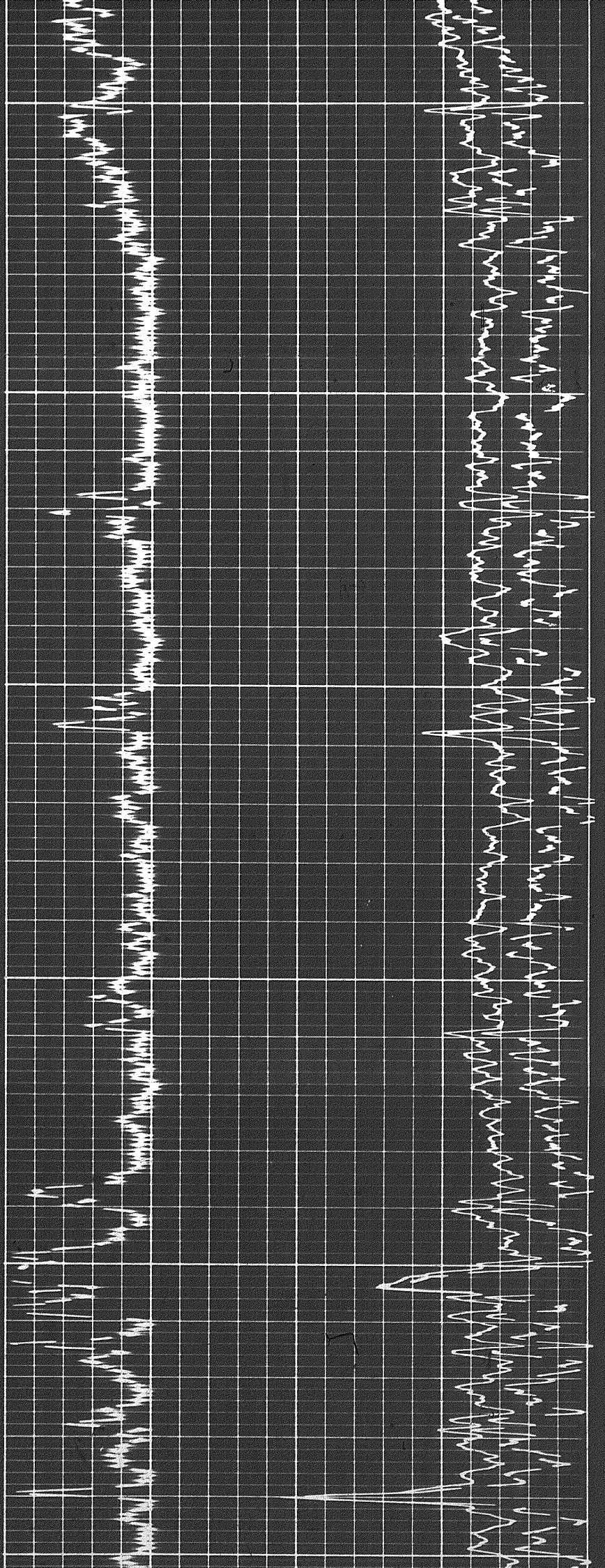


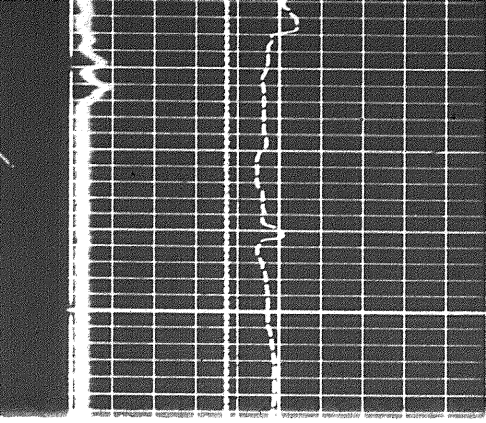


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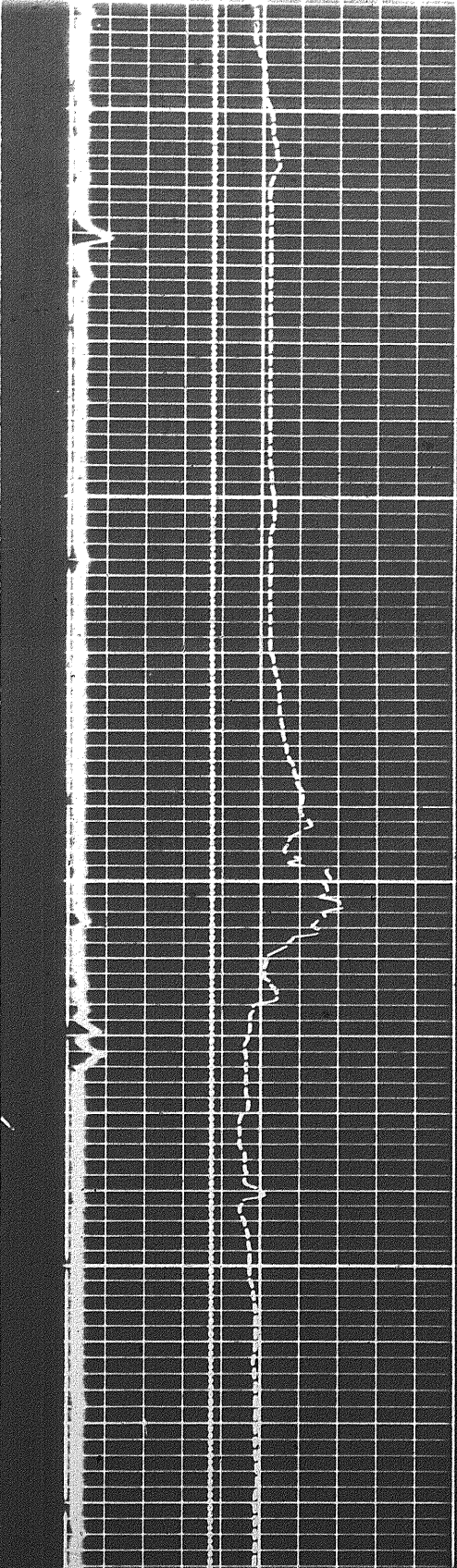
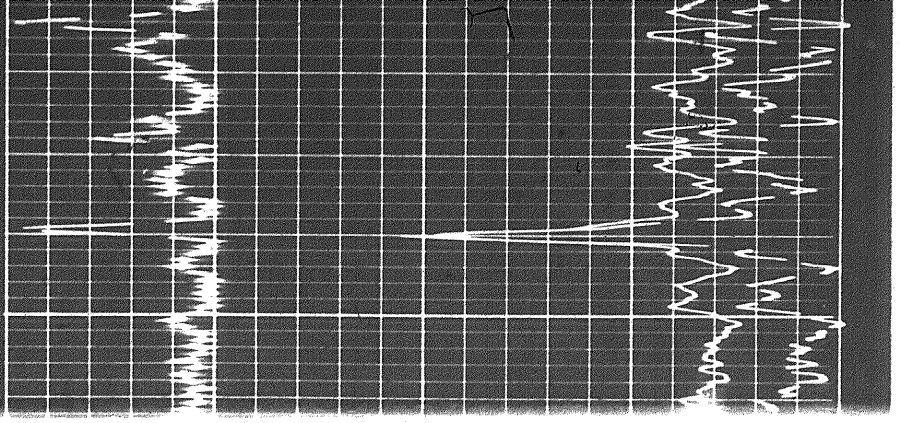
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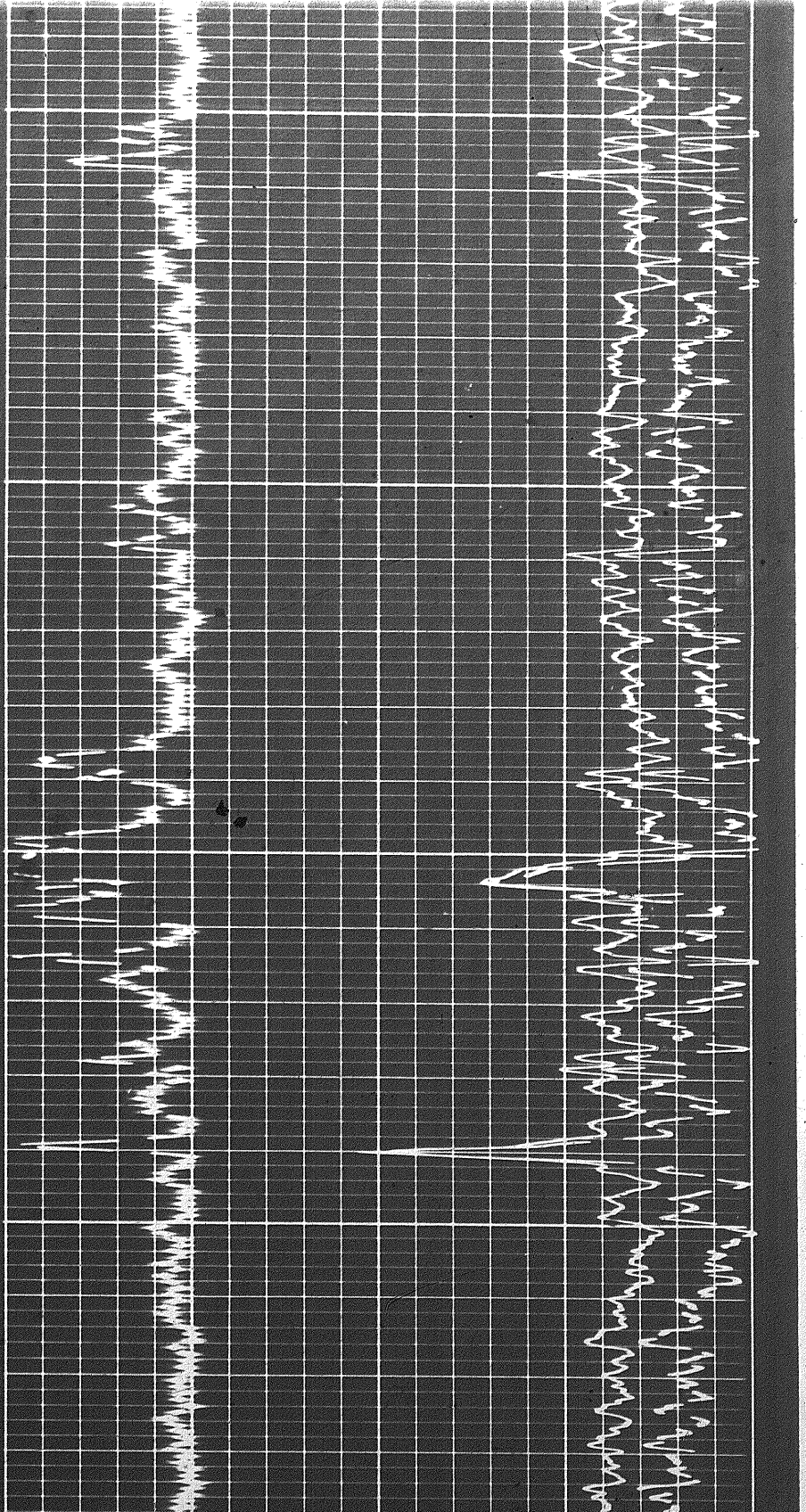


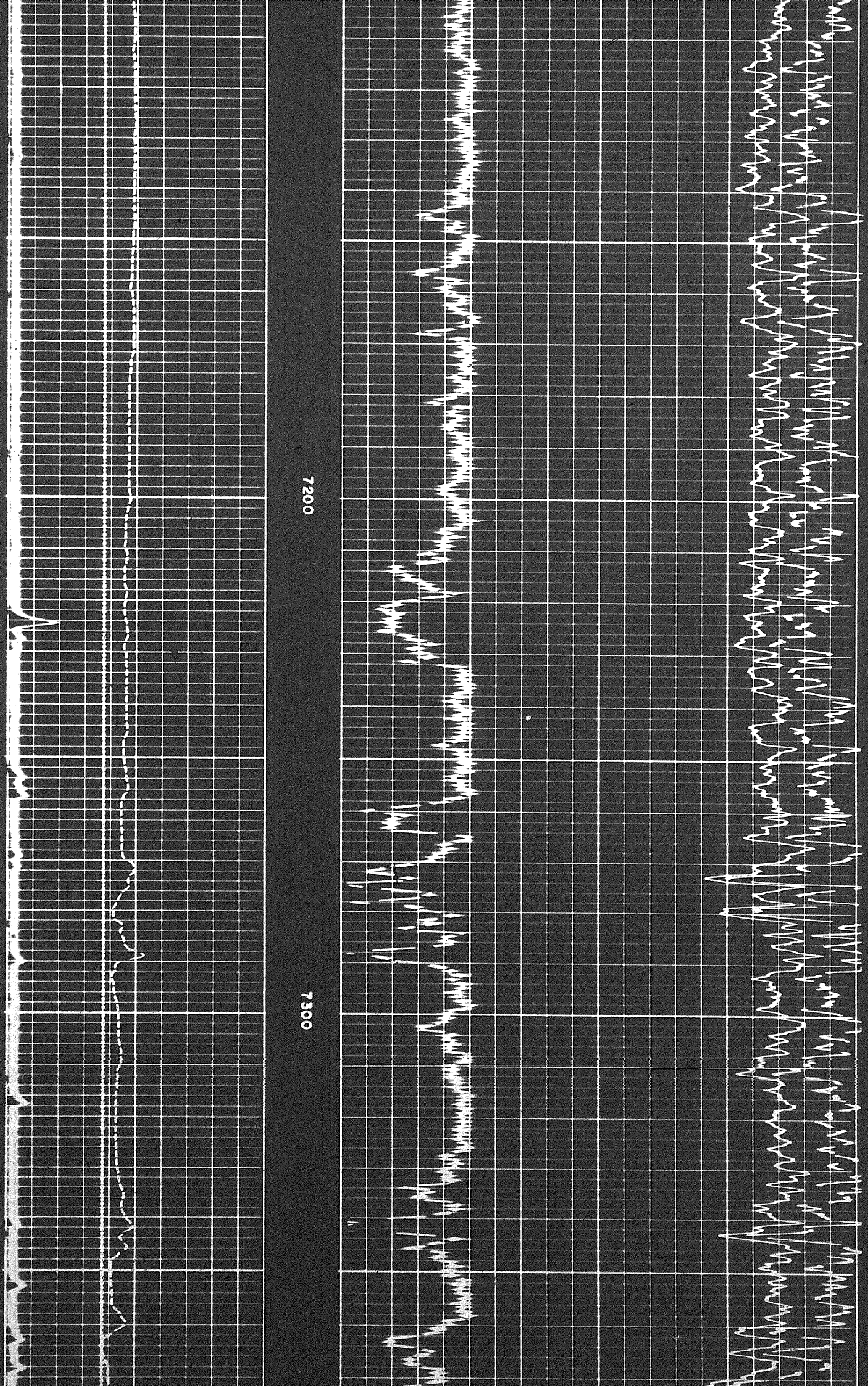


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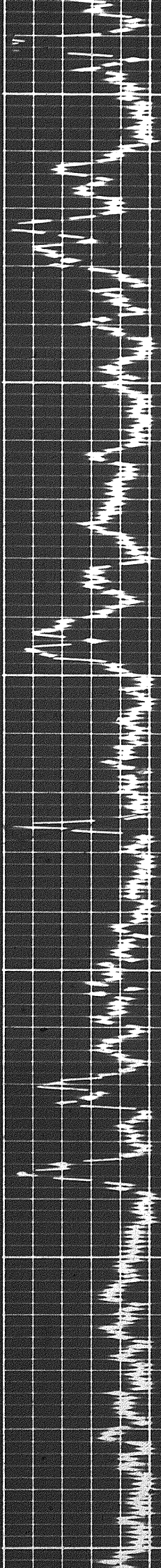
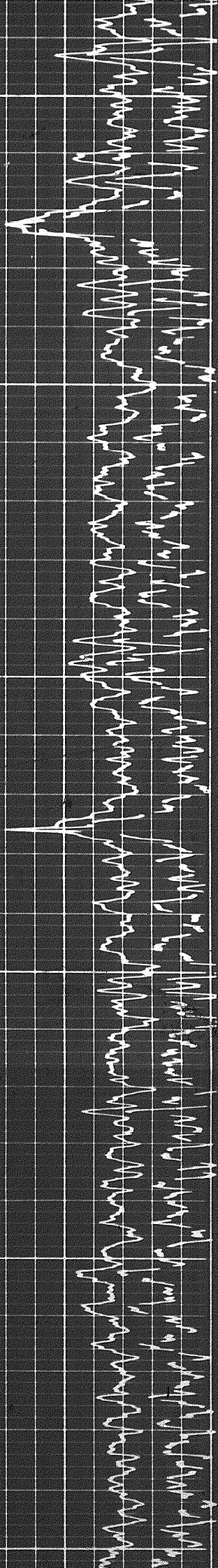




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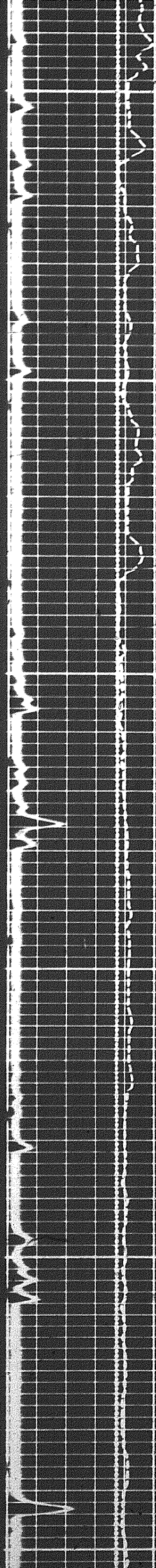
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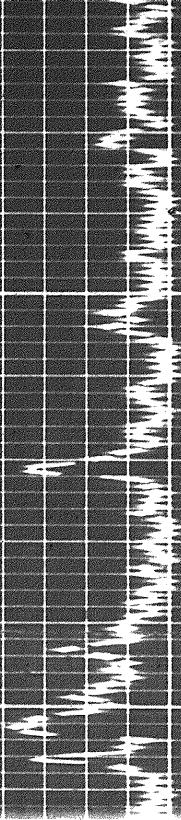
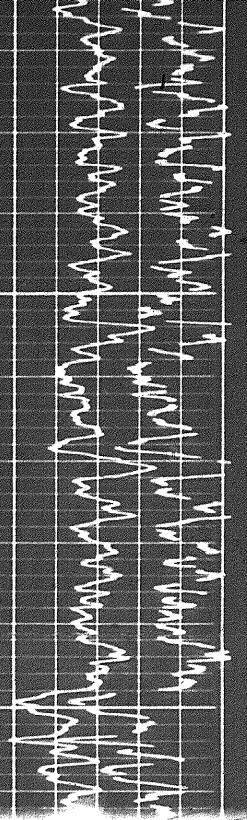


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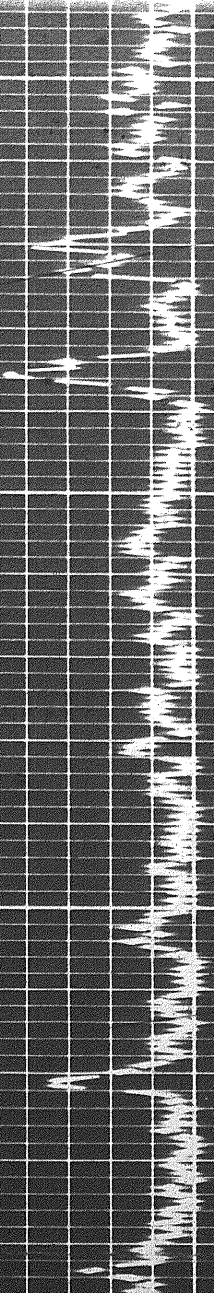
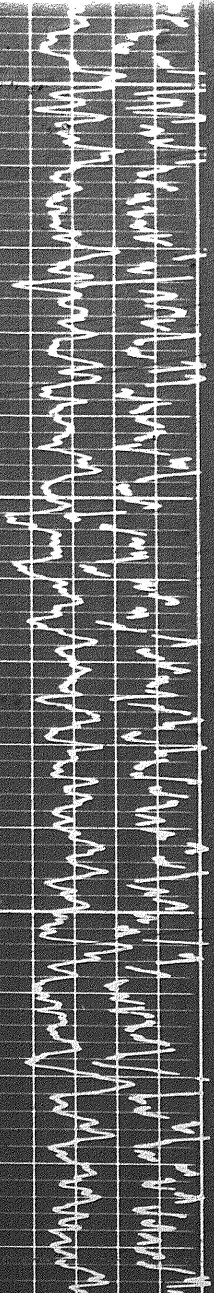
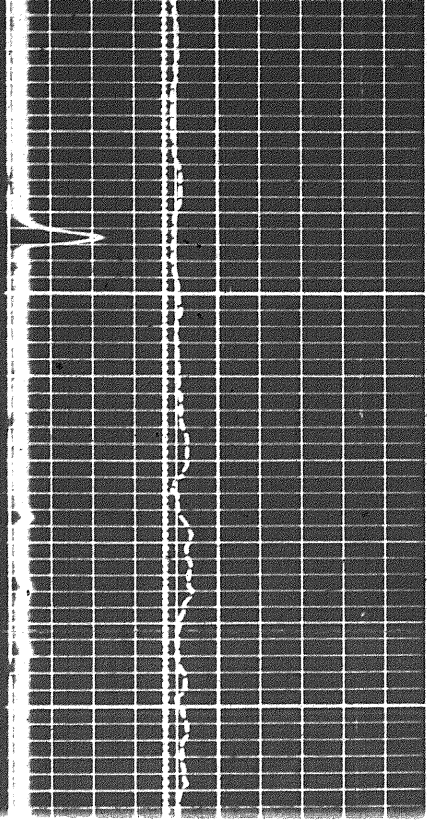
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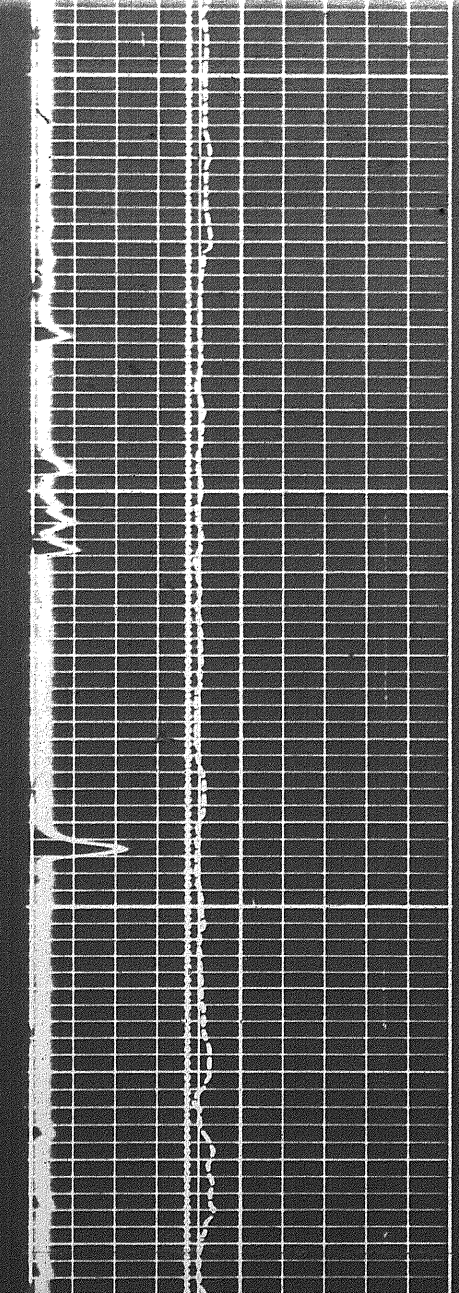


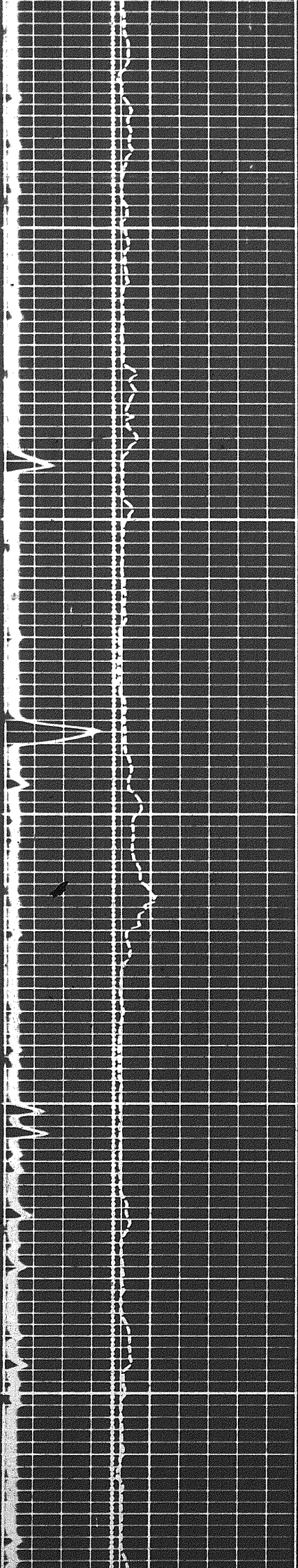
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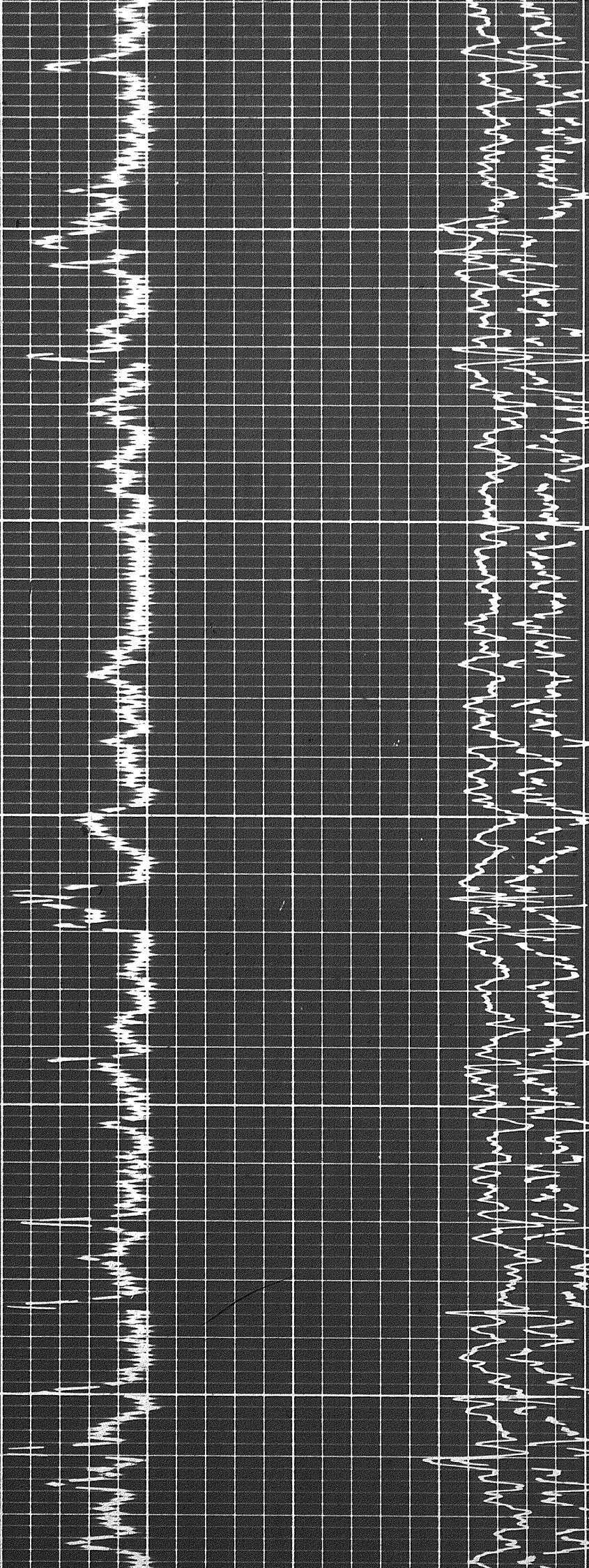
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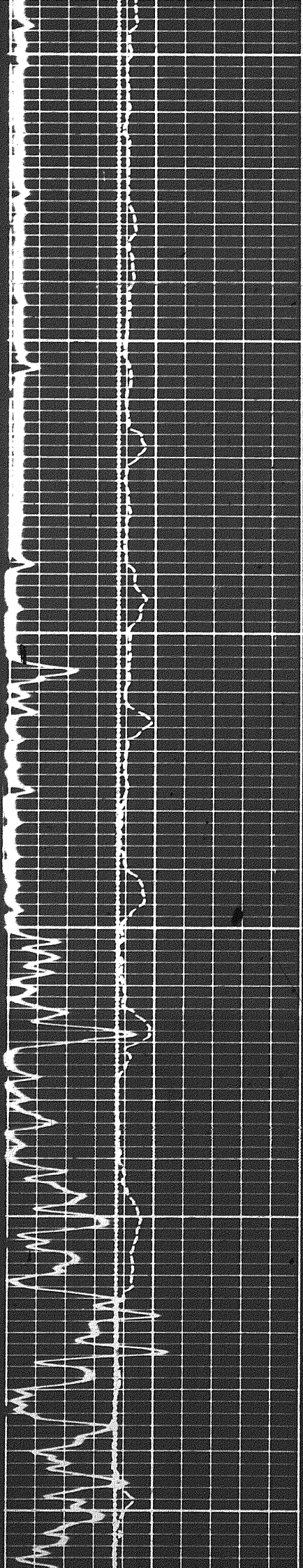


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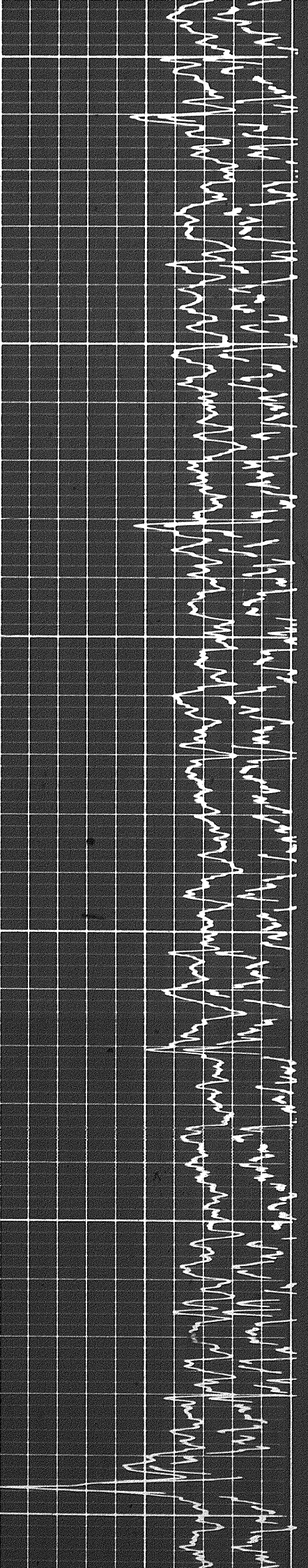
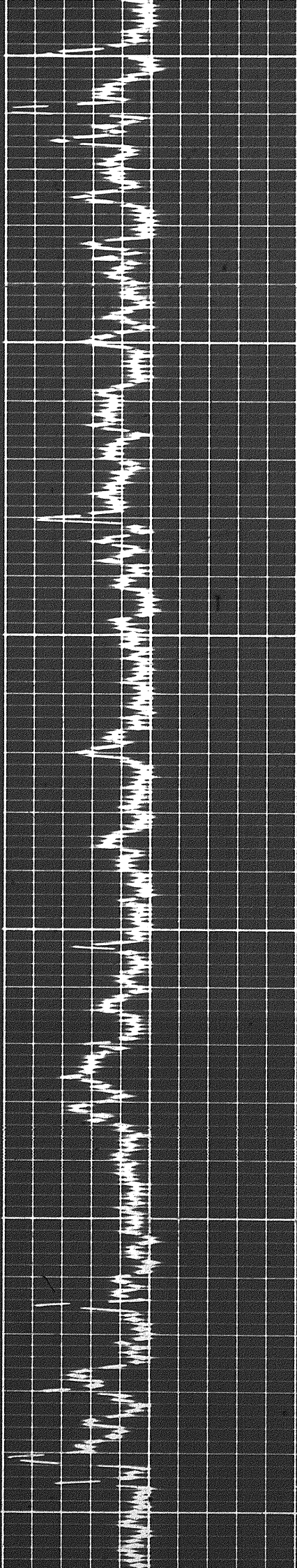
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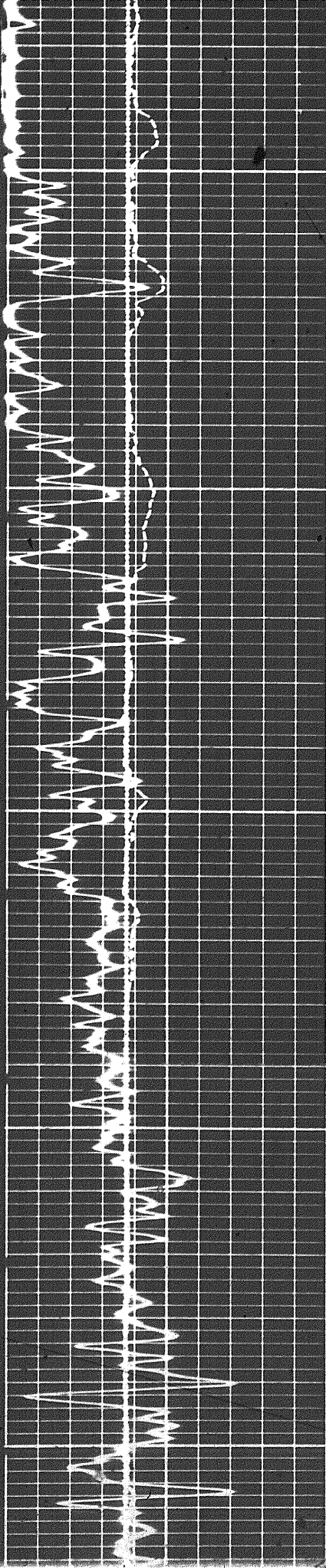


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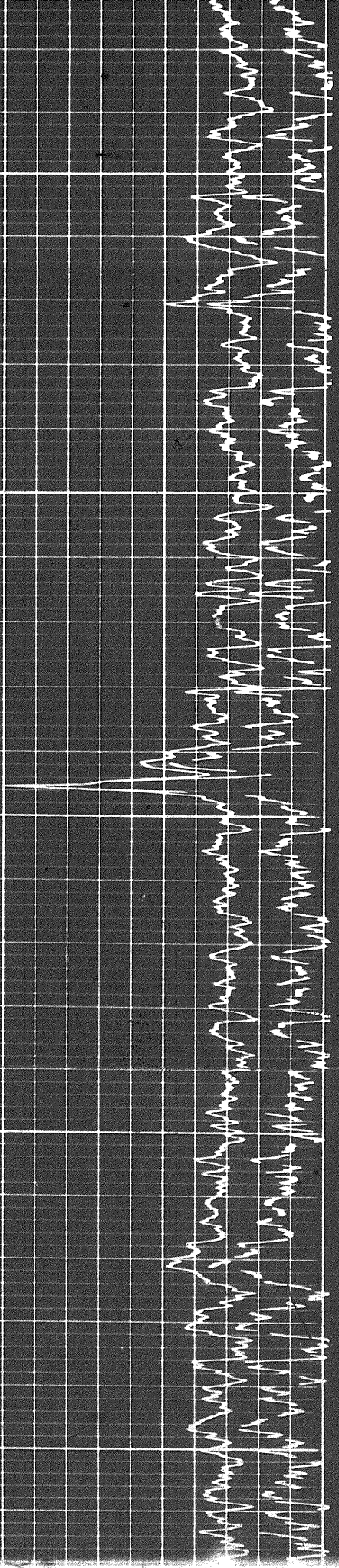
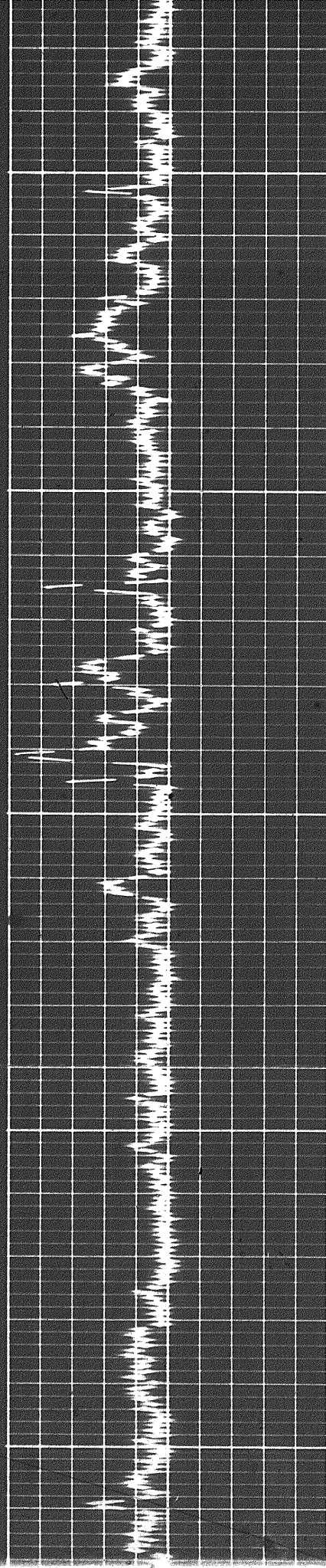


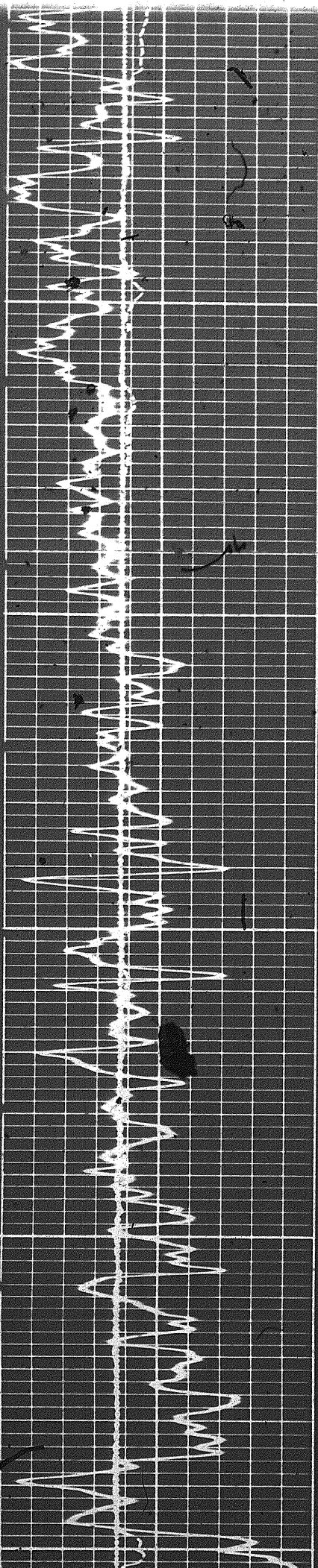


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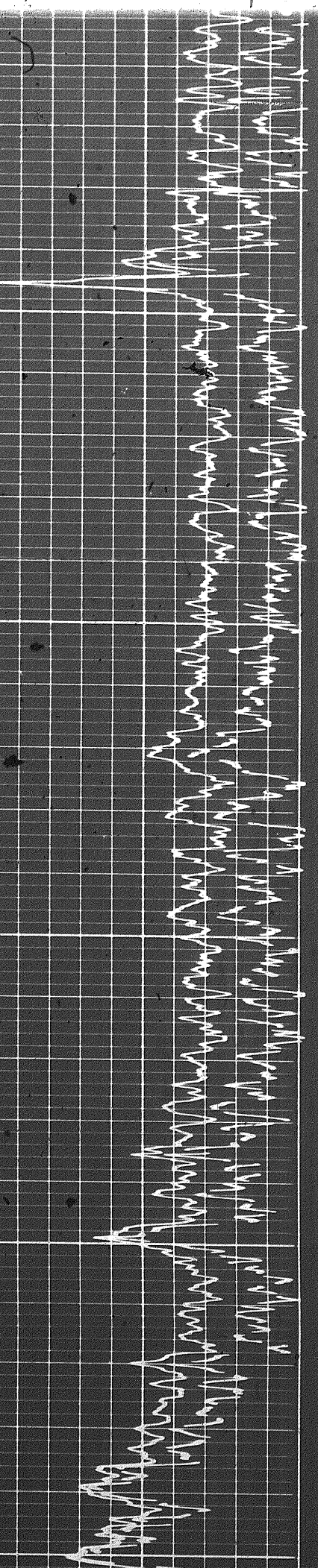
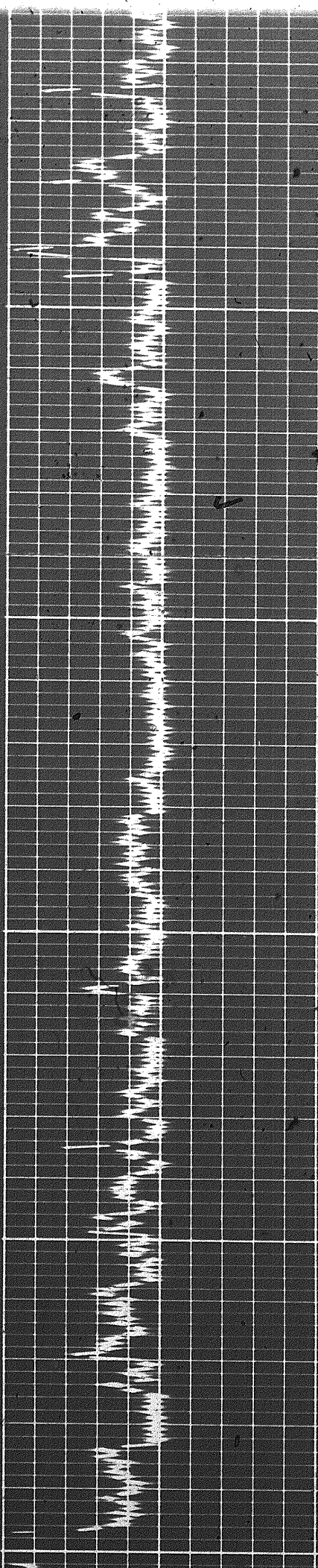


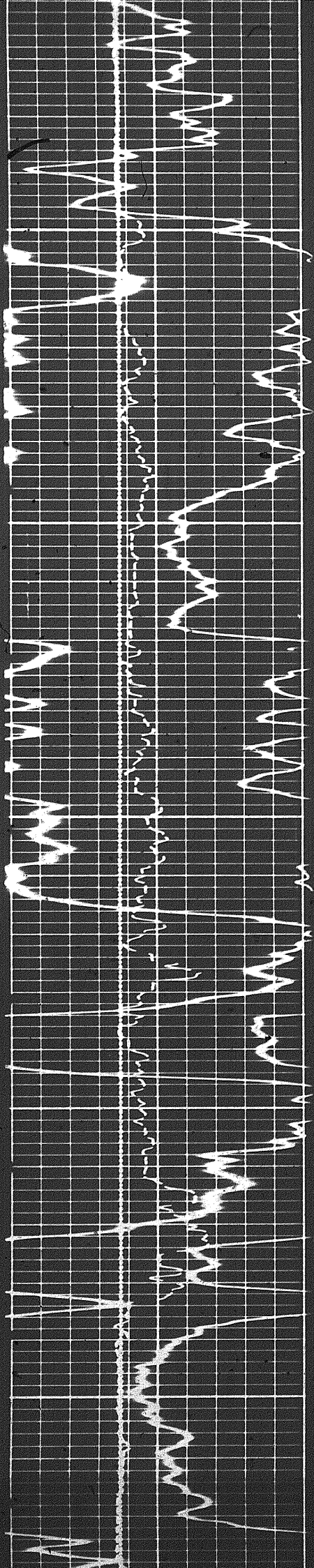


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8200

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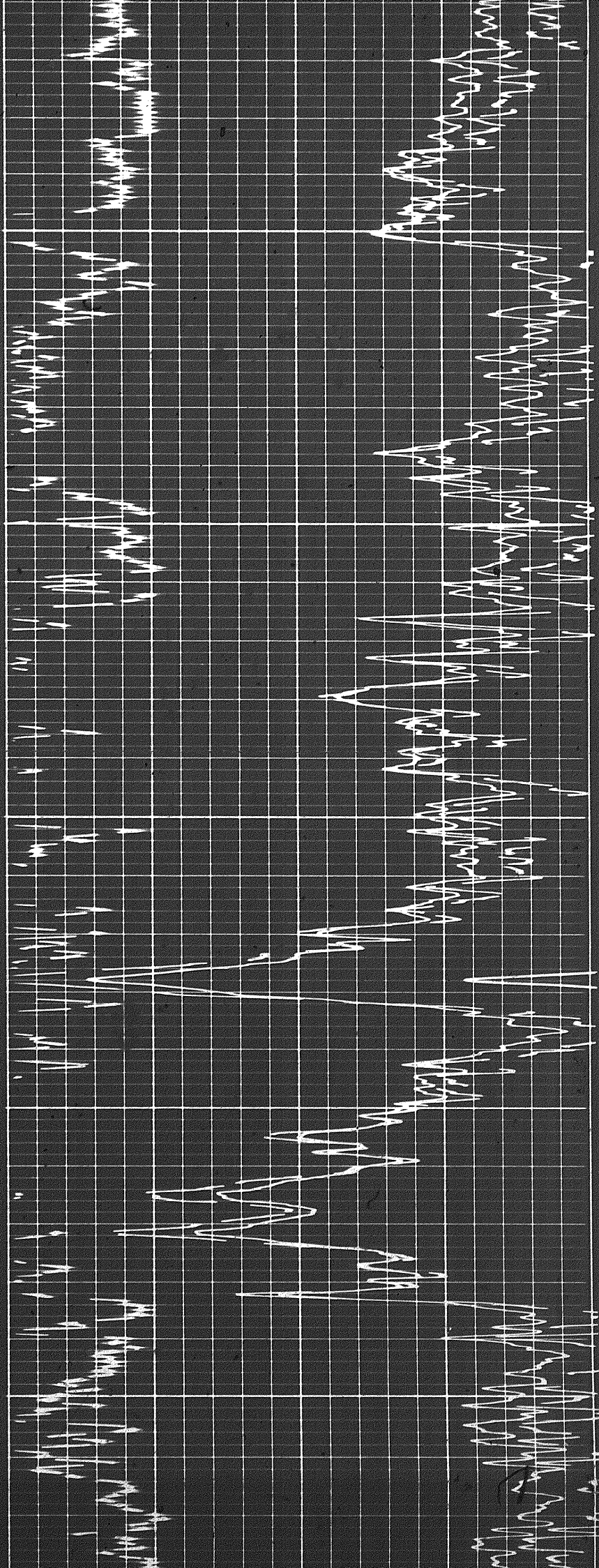


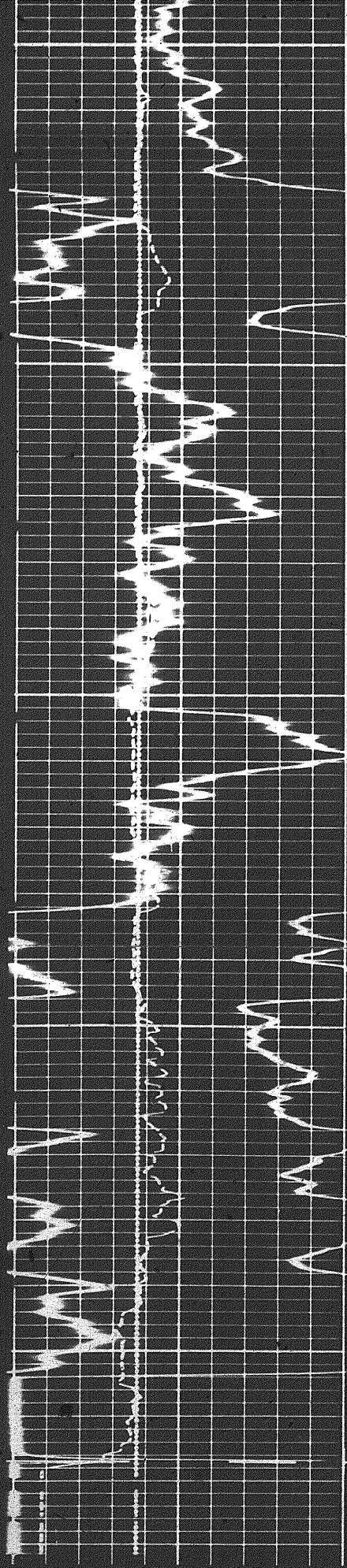


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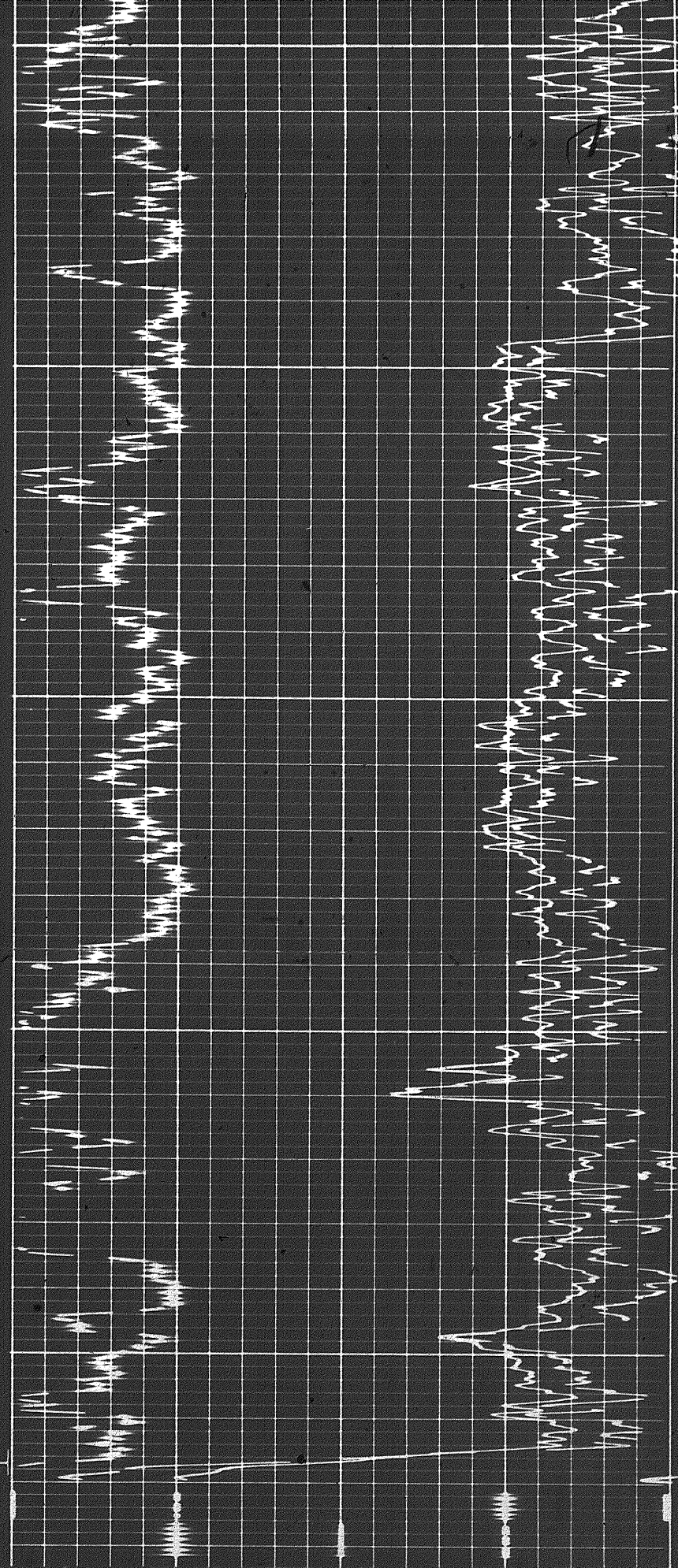


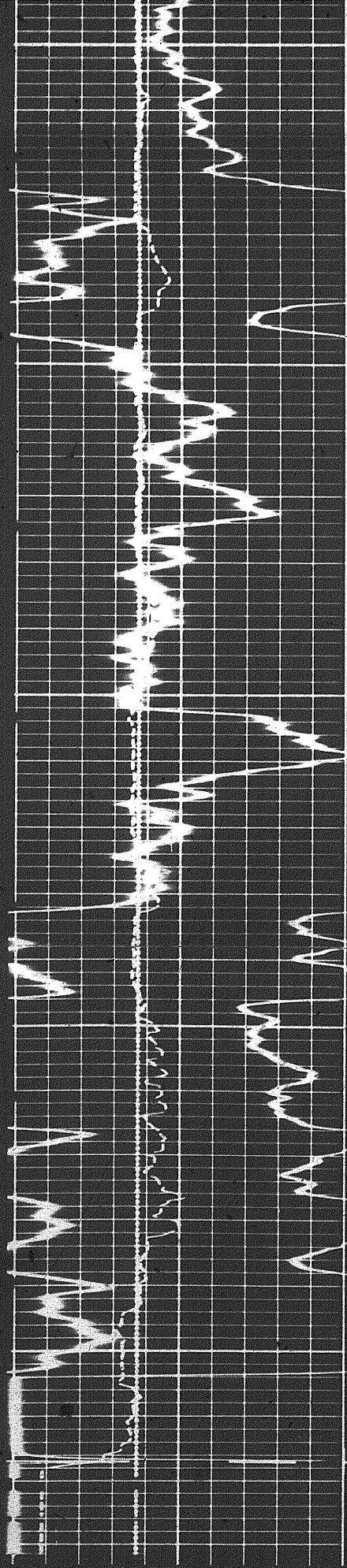
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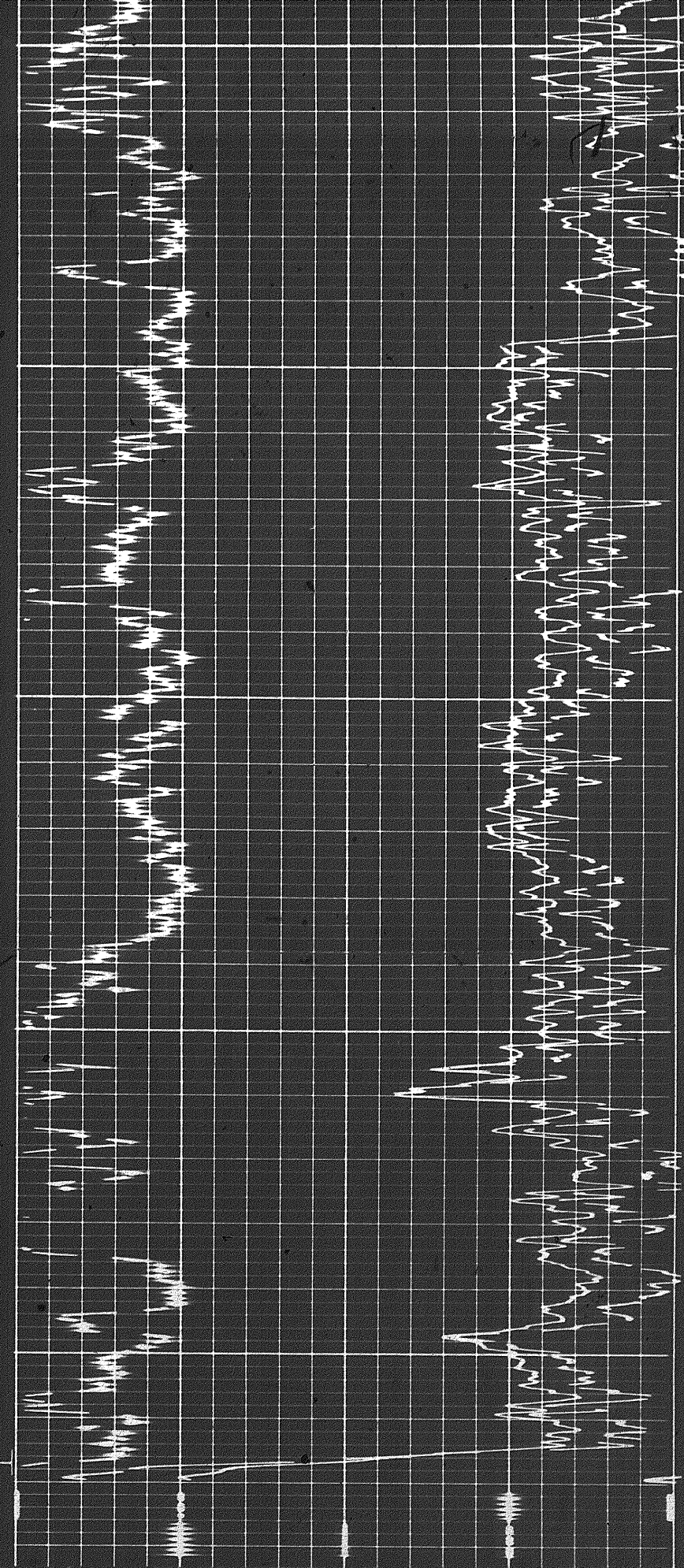


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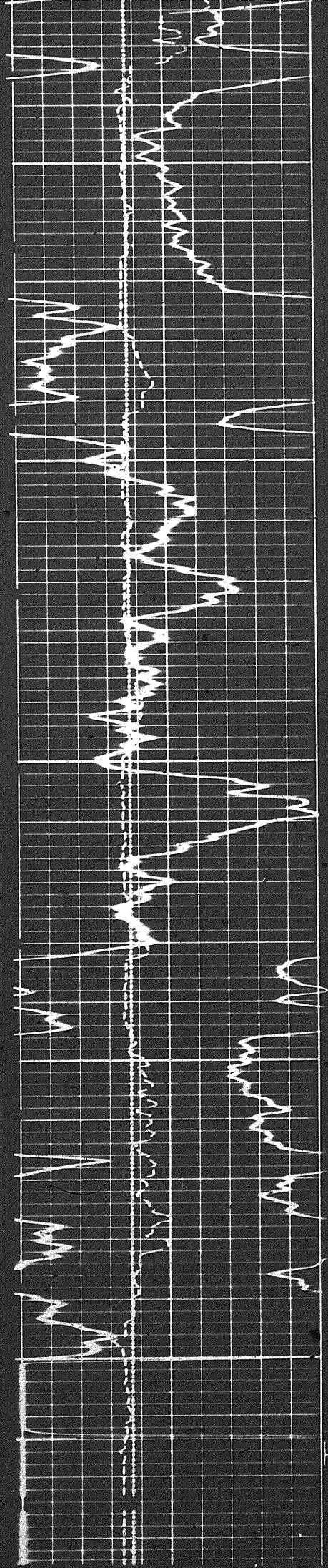
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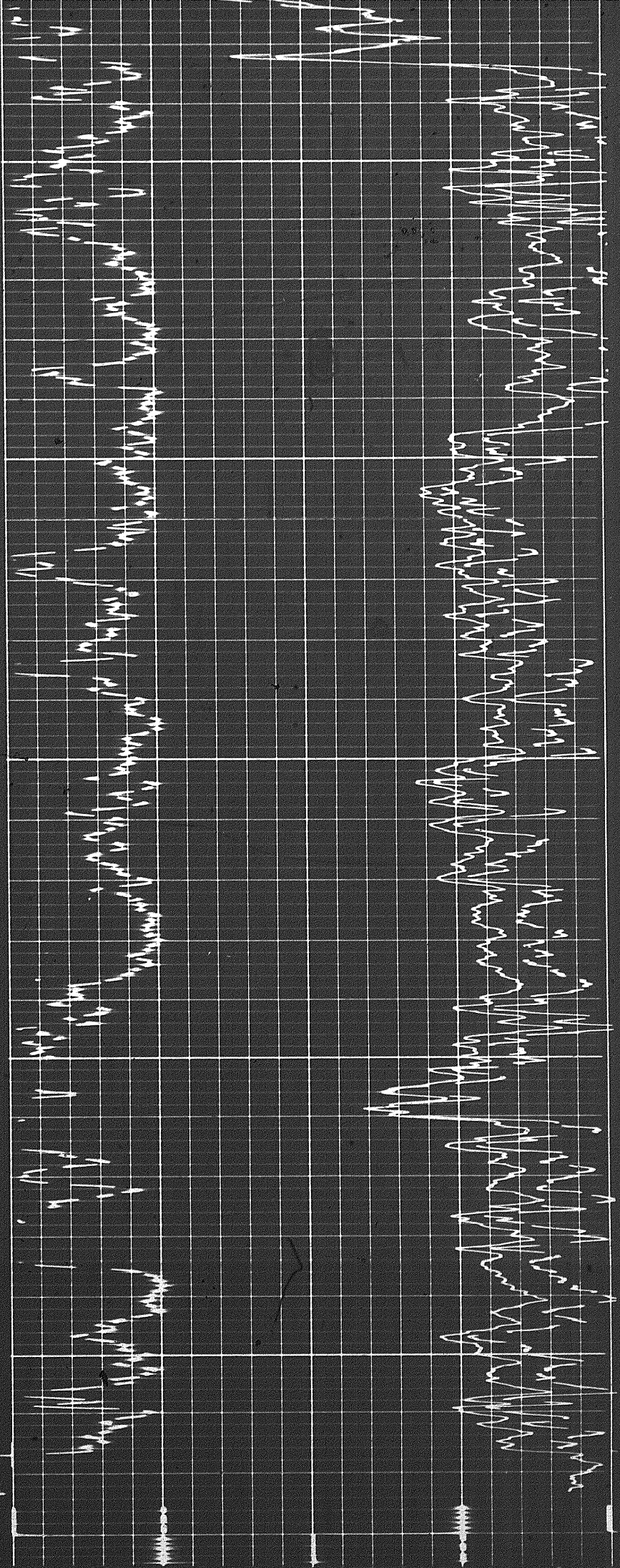


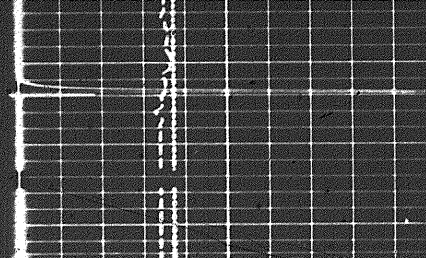
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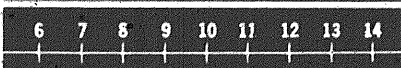
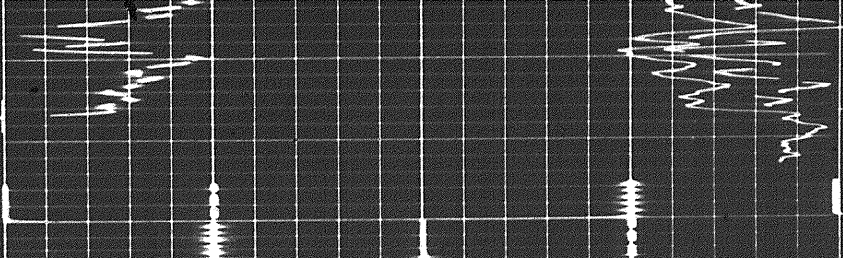
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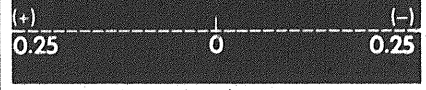




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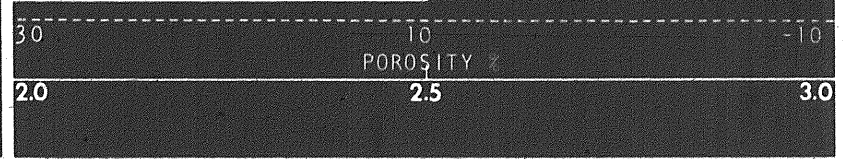
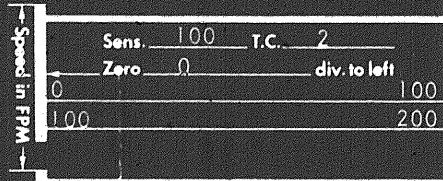


CALIPER
hole diameter in inches



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

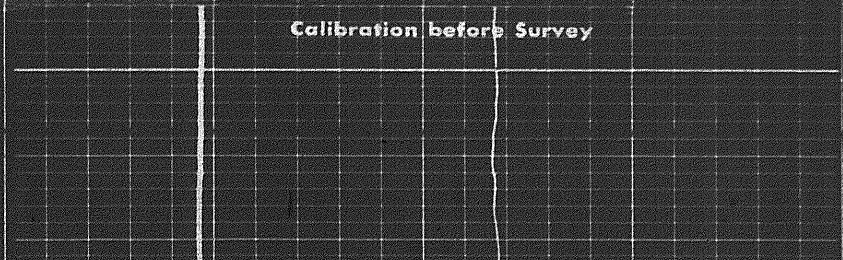
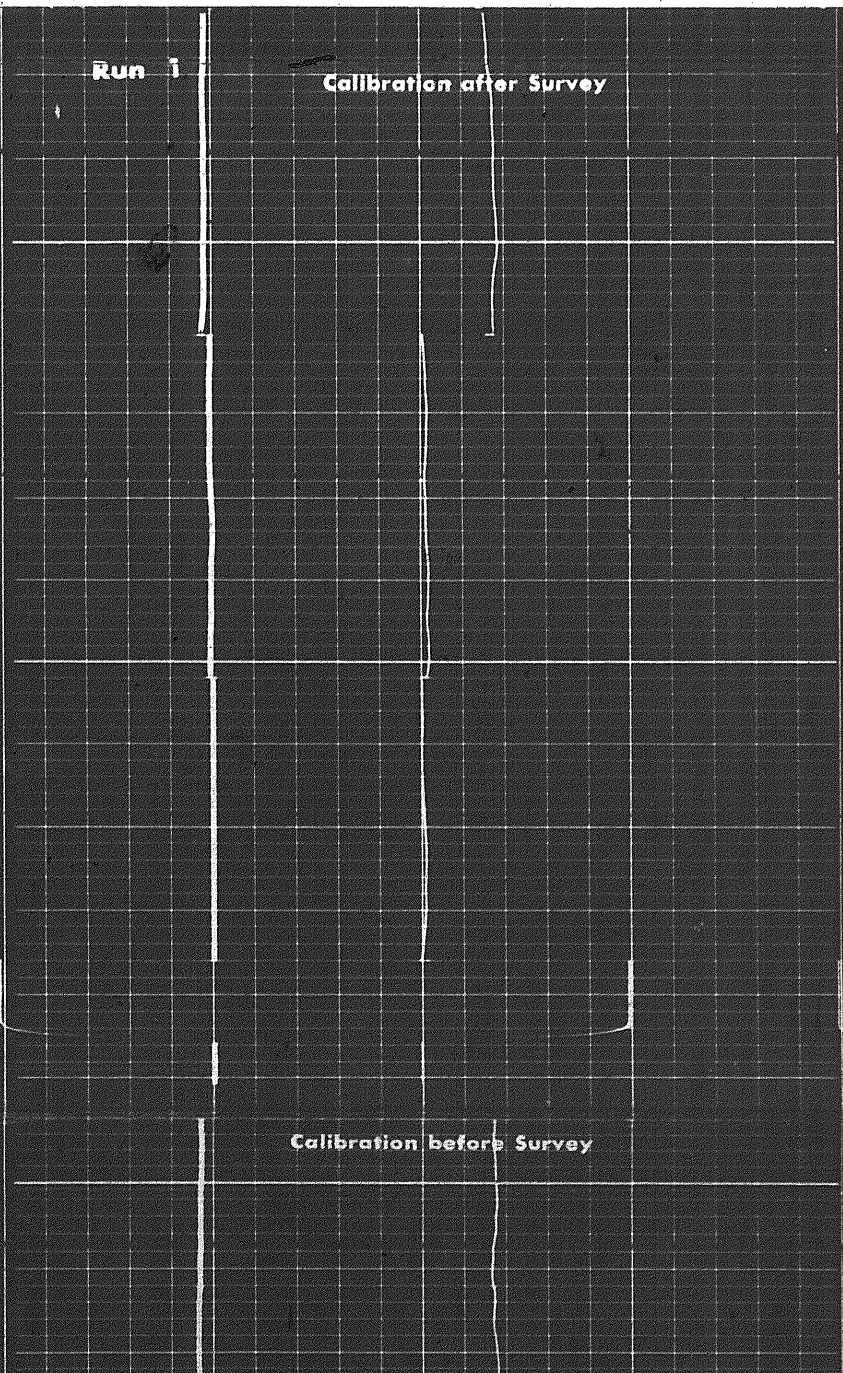
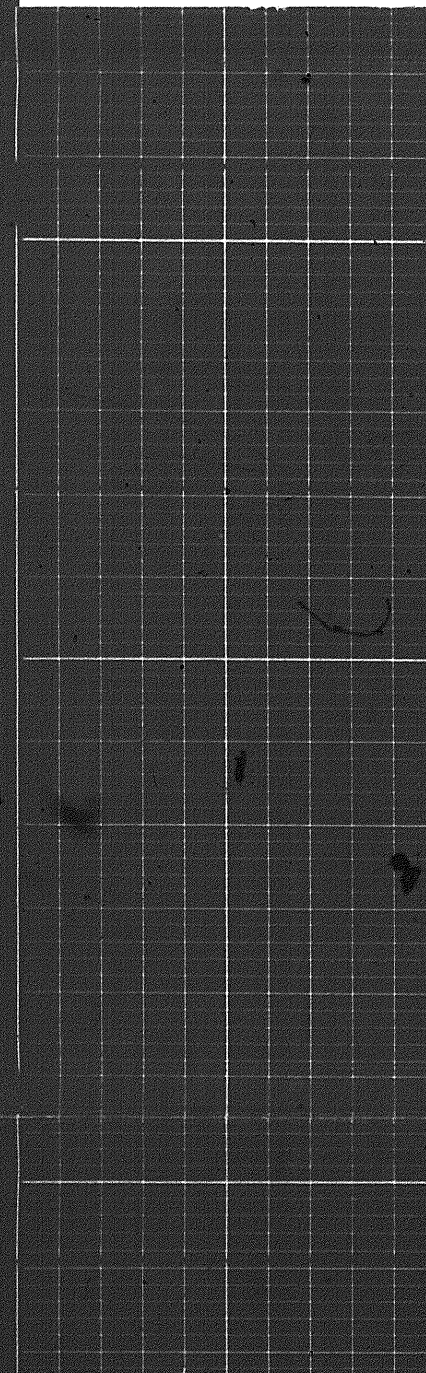
Rho-g = 2.71
Rho-f = 1.00



GAMMA RAY
API UNITS

DEPTH

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



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

13

12

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

Schlumberger