

Schlumberger

FOUR-ARM
HIGH RESOLUTION
CONTINUOUS DIPMETER
COMPUTED

PROVINCE YUKON TERRITORIES
FIELD WILDCAT
WELL COLUMBIA ET AL KOTANEELLE
YT 5-37
COMPANY COLUMBIA GAS DEVELOPMENT OF CANADA LTD

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WELL COLUMBIA ET AL KOTANEELLE
FIELD WILDCAT
PROVINCE YUKON TERRITORIES
LOCATION 60 06' 27" N LAT
124 07' 16" W LONG
Permanent Datum GL ELEV 2013
Log Measured From KB 25 Ft Above Perm Datum
Drilling Measured From KB
Other Services BHC-GR
FDC-CNL-GR, DLE
ELEV KB 2013
GL 2013
CBF

Date	5 JULY 78	
Run No	ONE	
Depth Driller	9989	
Depth Logger	9991	
Btm Log Interval	9991	
Top Log Interval	3420	
Casing Driller	3421	
Casing Logger	3420	
Bit Size	12 1/4"	
Type Fluid in Hole	KCL	
Dens	9.7	85
Visc		
PH	9.5	30
Source of Sample	CIRCULATION	
Rm @ Meas Temp	0.14	@ 65 °F
Rmf @ Meas Temp	0.09	@ 68 °F
Rmc @ Meas Temp	0.21	@ 66 °F
Source Rmf Rmc	CIRC	CIRC
Rm @ BHT	0.05	@ 190 °F
Time Since Circ	6 1/2 HRS	
Max Rec Temp	190	°F
Equipment	HDT-D	
Truck No	OSU-C 339	
Location	FRONTIER	
Recorded By	CROCKFORD	
Witnessed By	DORTCH	

FOLD HERE 4 AUG 78 CAL KM THIS HEADING AND LOG CONFORMS TO API RP 31

Run No.	Tool Type	HDM No.	HDE No.	HDP No.	HDS No.	DPI No.	TTR No.	Computed By	Correlation Interval	Step	Search
ONE	HDT-D	F 858	CB 1927	D 809	D 755	-	998	DEC 10	4 FT	1 FT	45 X 1

REMARKS
HOLE WAS TRIPPED BEFORE DIPMETER WAS RUN TO BOTTOM
1st Run Service Order # 30833
Magnetic Declination 21 W

"Any directional computations made from the dipmeter must be regarded as approximate only. This is because the dipmeter log indicates the orientation of the instrument itself, rather than the direction and amount of the wall drift. Therefore, we do not and cannot guarantee the accuracy of such directional computations and we shall not be liable nor responsible for any loss, costs, damages or expenses incurred or sustained that may result from any such computations."

TABLE OF VERTICAL DISPLACEMENT IN FEET CORRESPONDING TO VARIOUS HORIZONTAL DISTANCES AND ANGLES OF DIP

VERTICAL DISPLACEMENT FOR HORIZONTAL DISTANCES OF				VERTICAL DISPLACEMENT FOR HORIZONTAL DISTANCES OF			
DIP ANGLES (degrees)	100'	1000'	1 mile (5280')	DIP ANGLES (degrees)	100'	1000'	1 mile (5280')
1	1.75	17.5	92.2	19	34.1	344.	1818.
2	3.5	35.	184.	20	36.4	364.	1922.
3	5.2	52.	277.	21	38.4	384.	2027.
4	7.0	70.	369.	22	40.4	404.	2133.
5	8.8	88.	462.	23	42.5	425.	2241.

CORRELATION LENGTH 4 FT.

STEP LENGTH 1 FT.

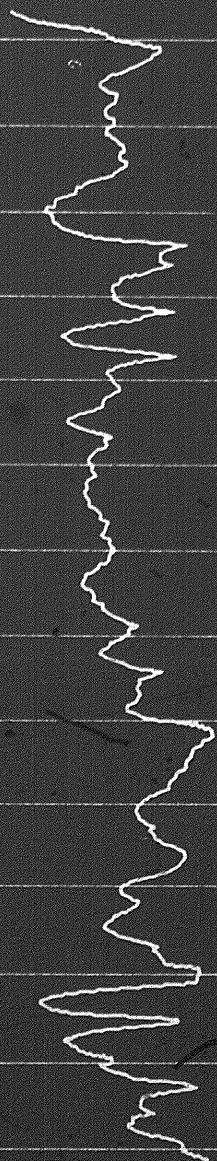
SEARCH ANGLE 45 DEGREES X1

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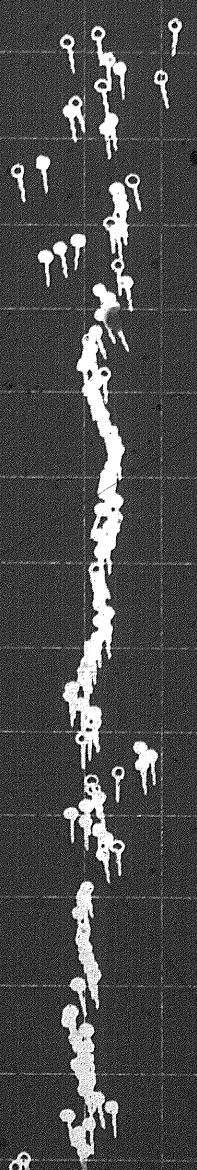
ZONE FROM 3434 TO 9994

RESISTIVITY INCREASES

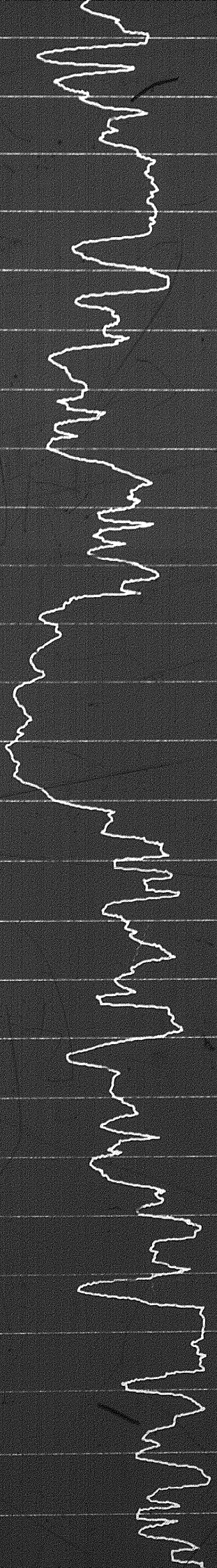
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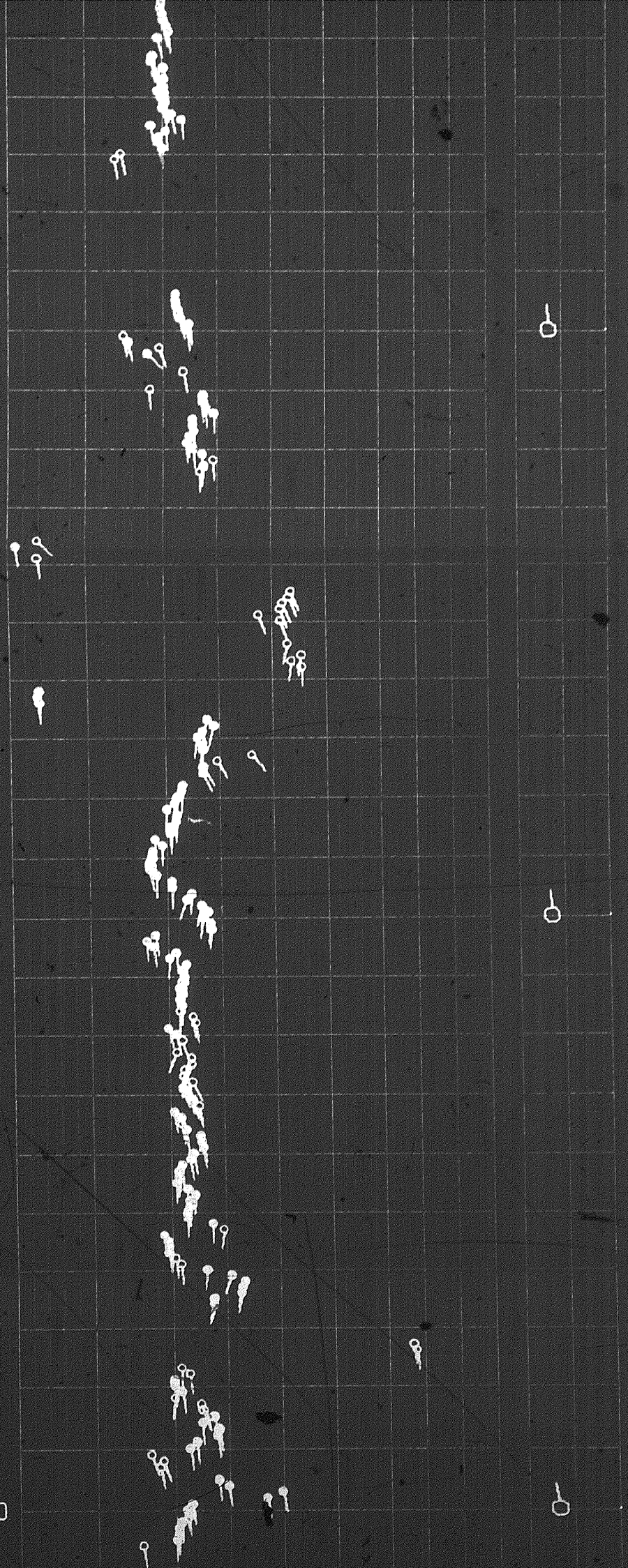
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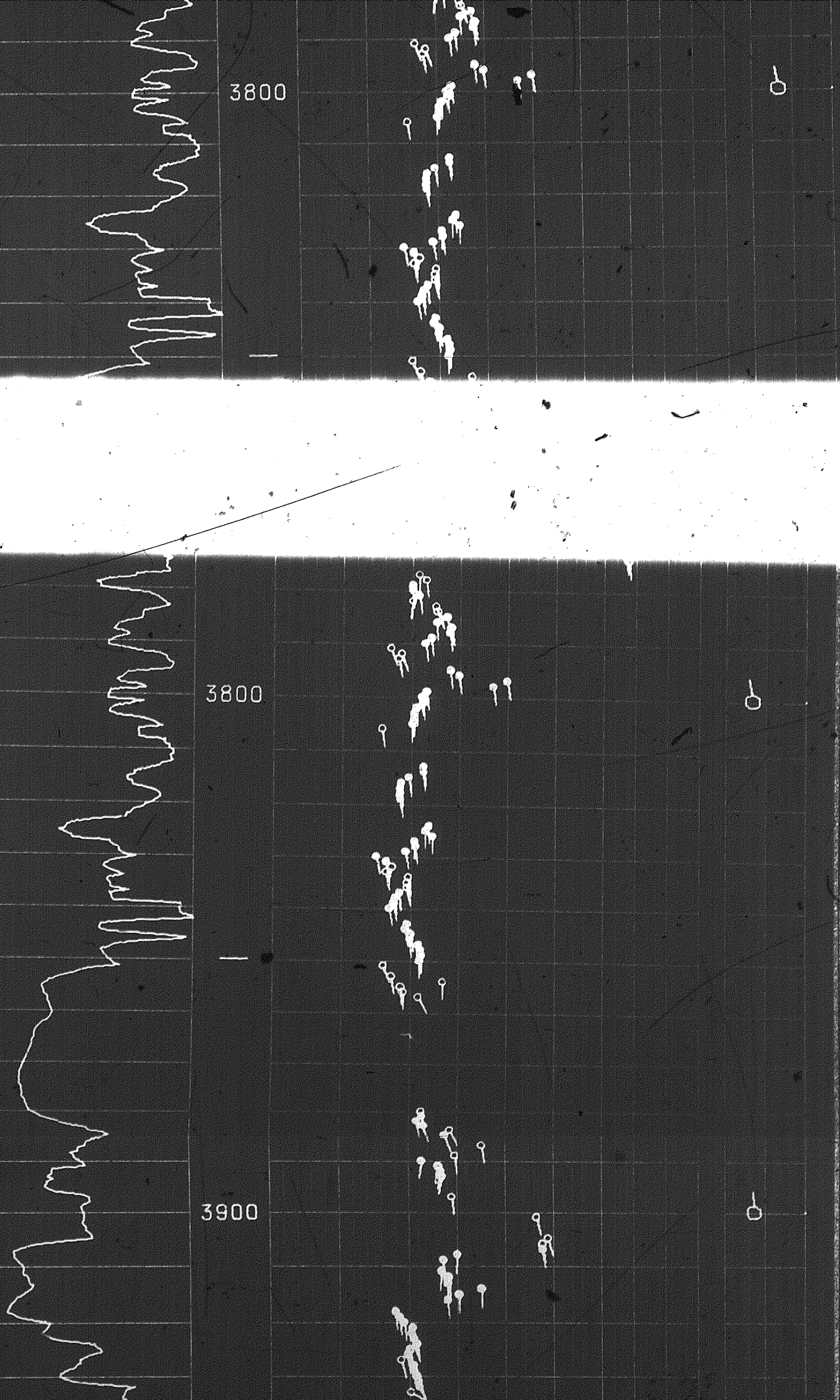
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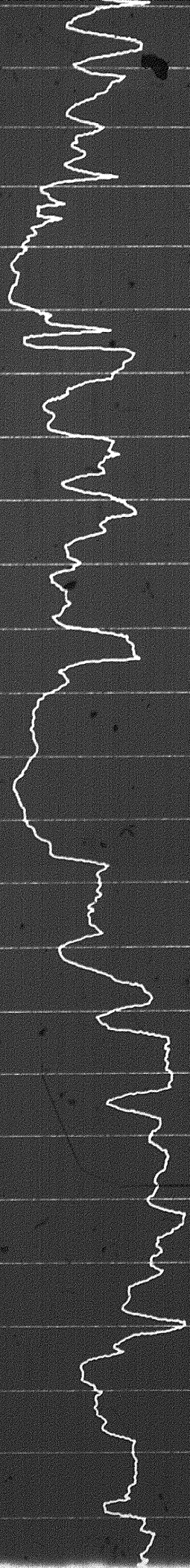
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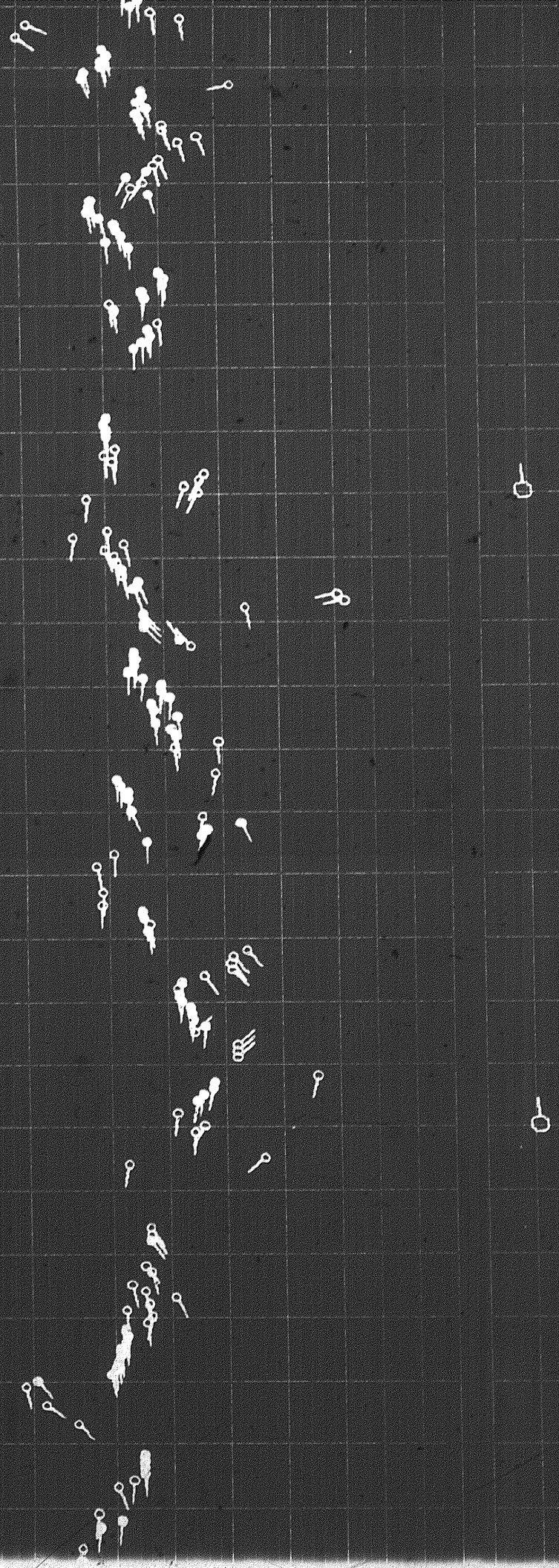
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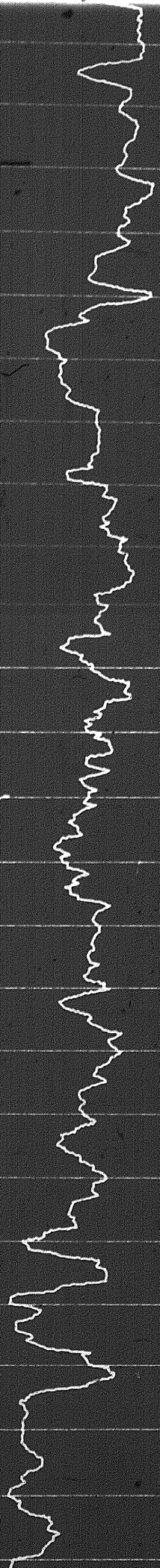




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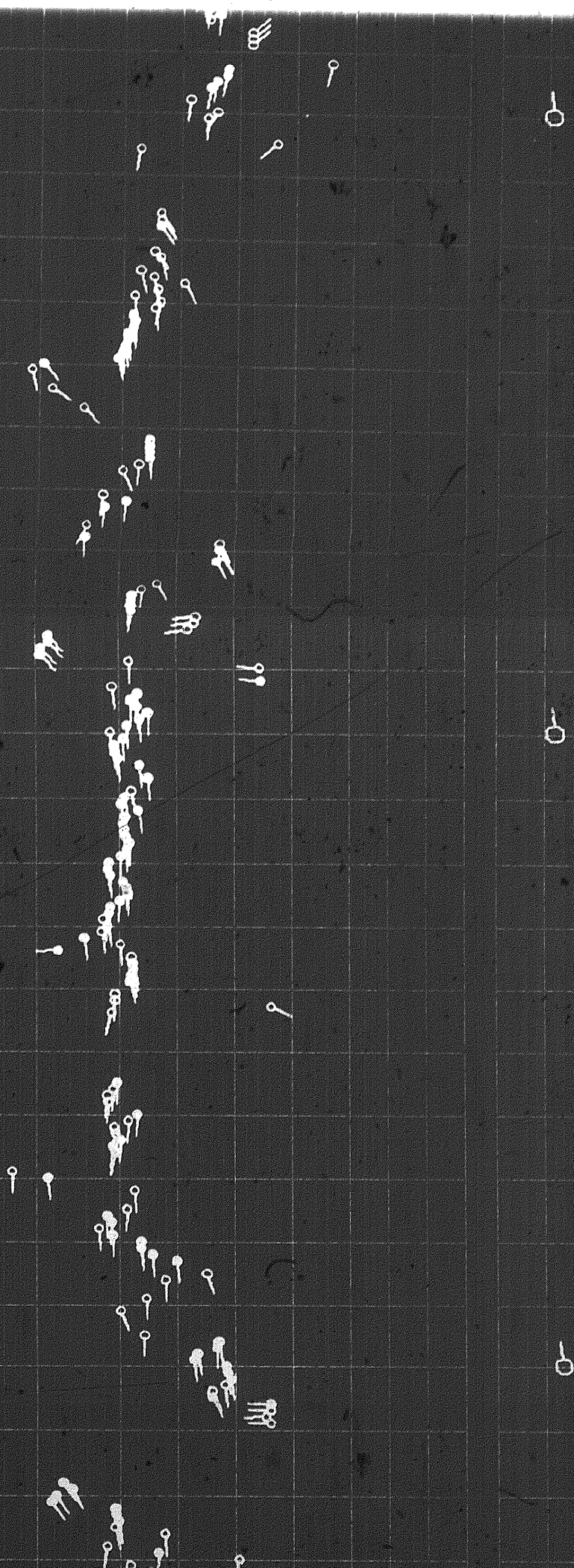


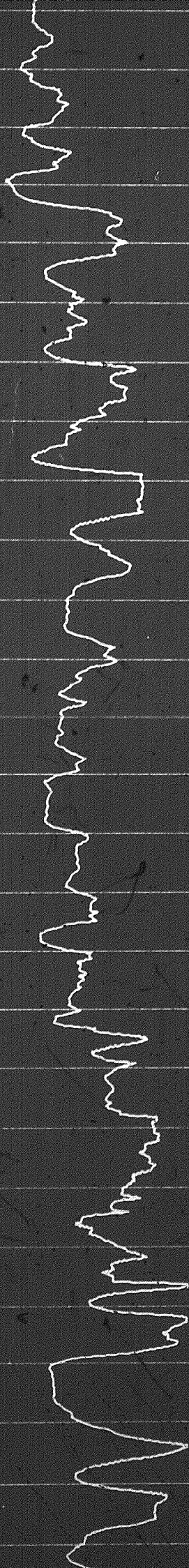


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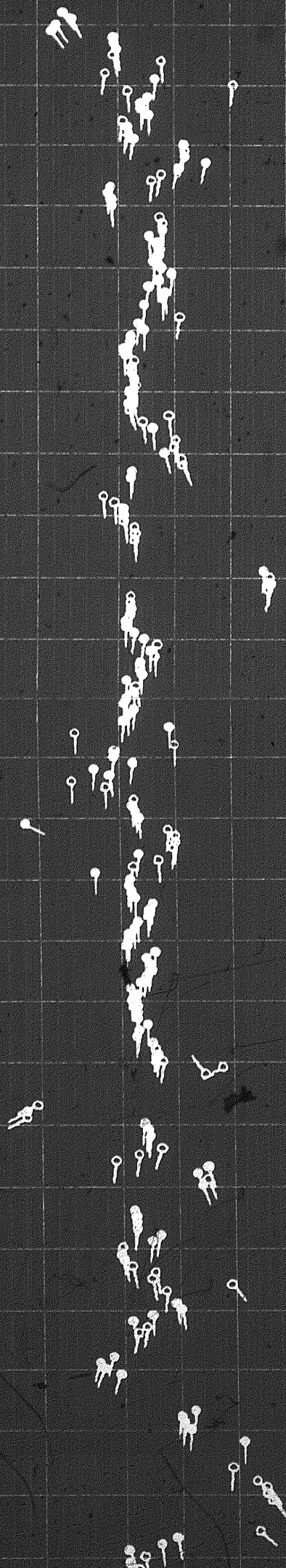
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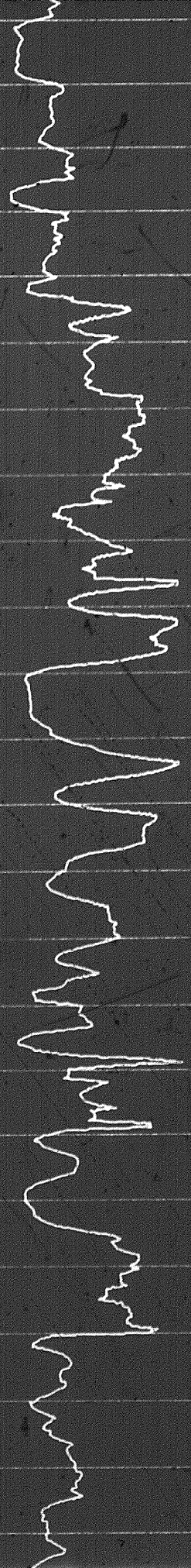
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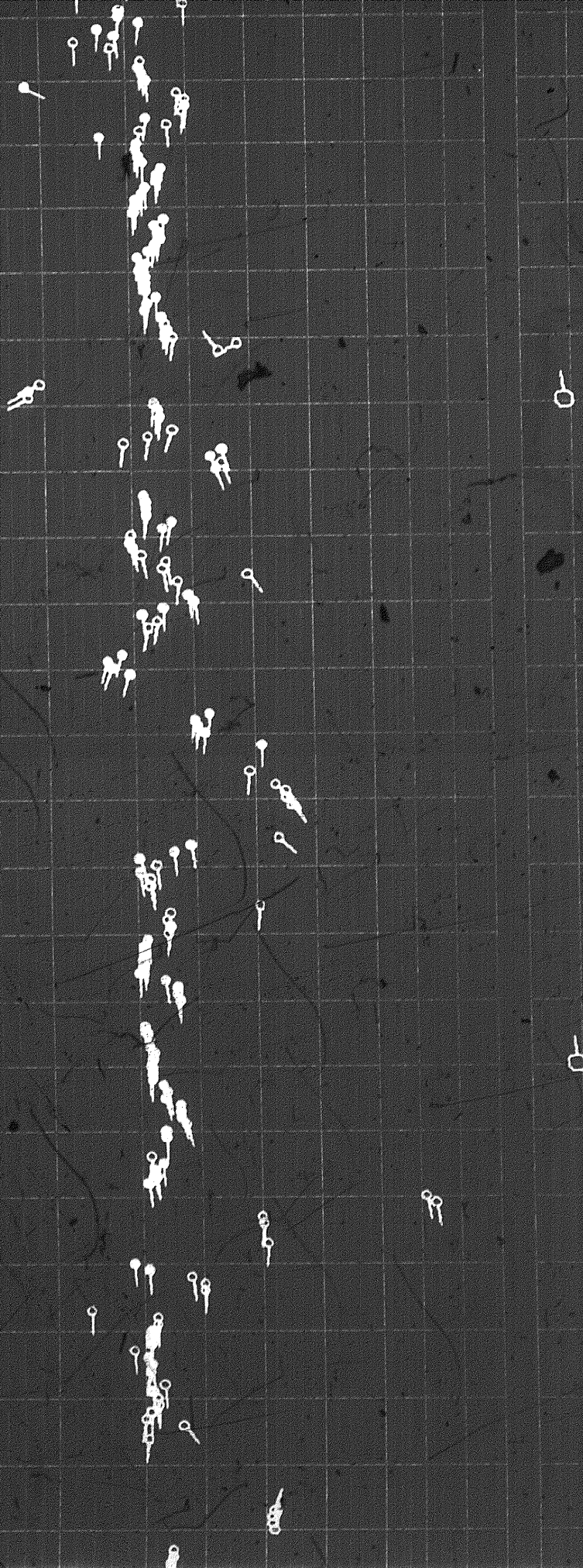
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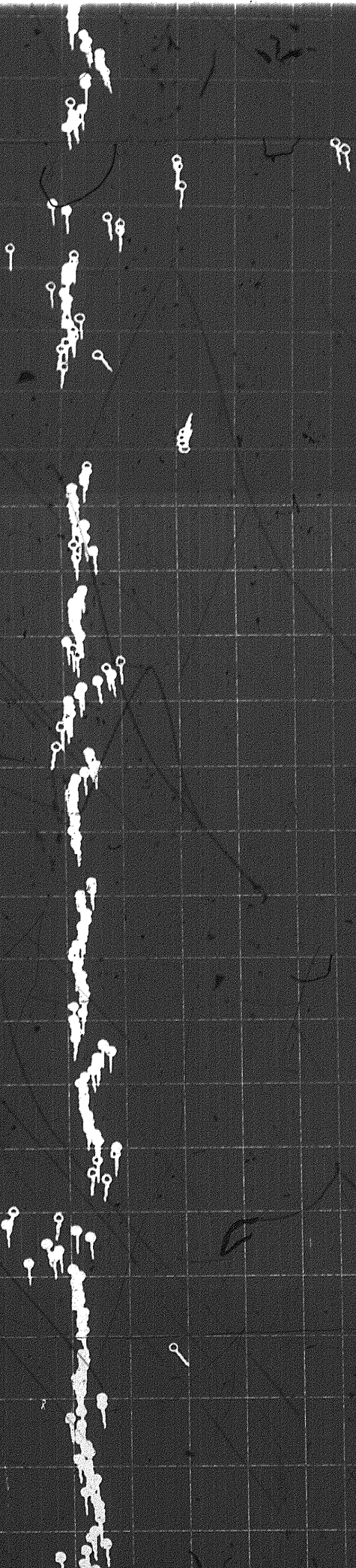
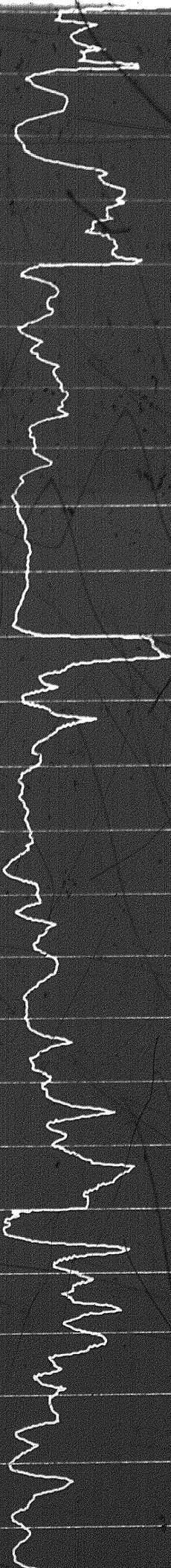
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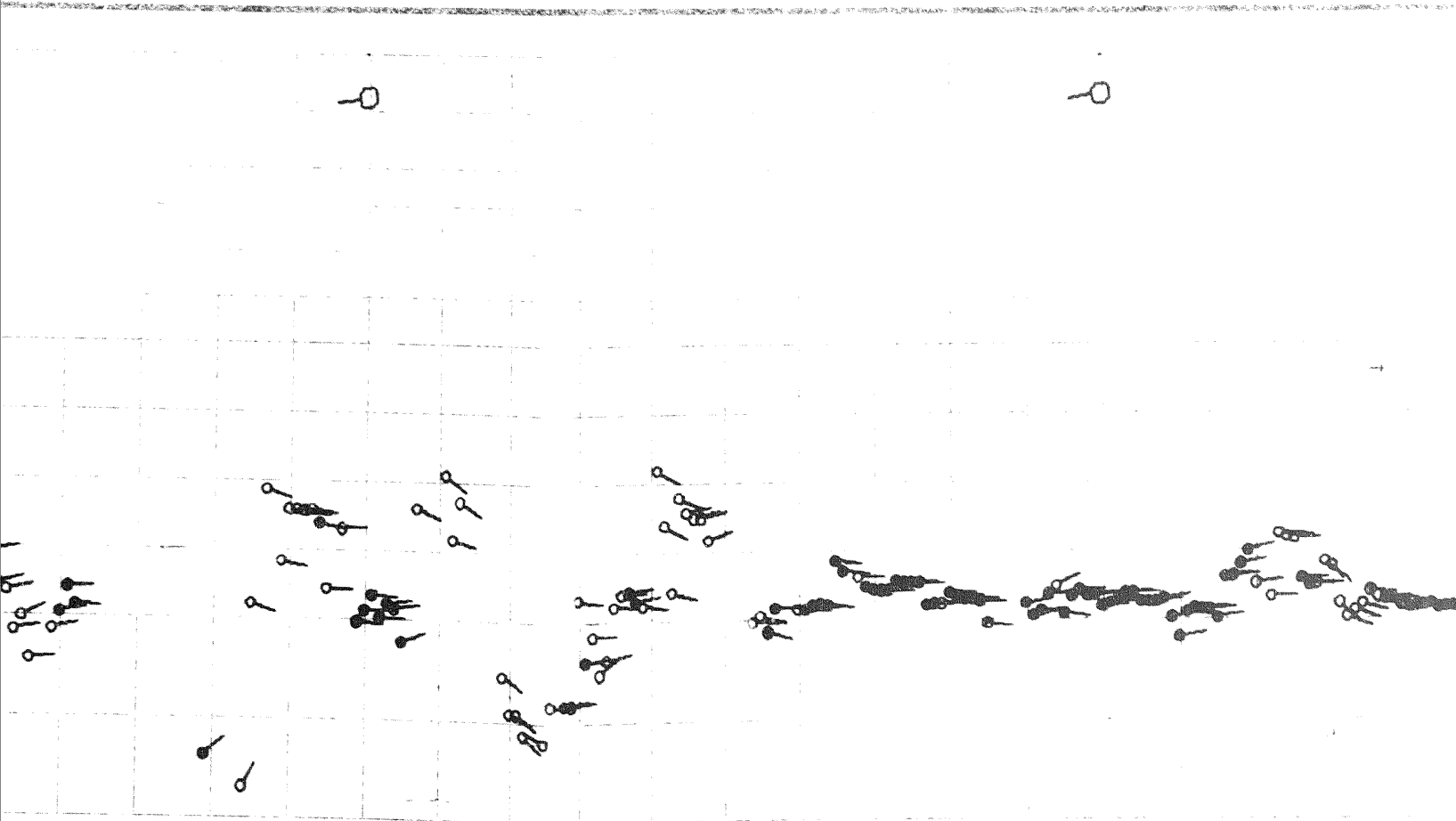
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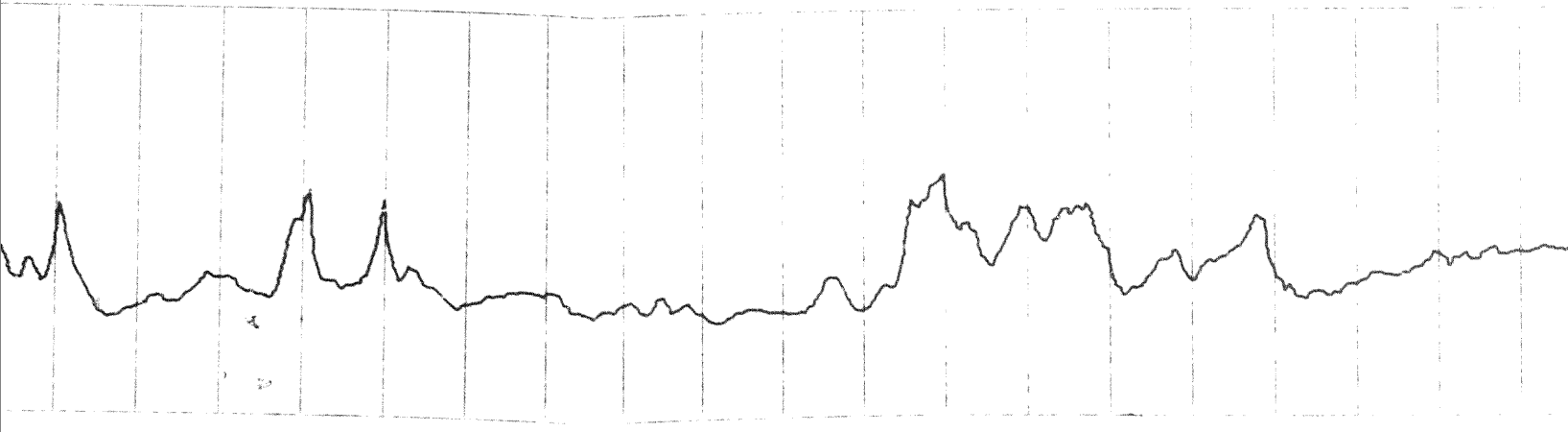
ARROW FEET

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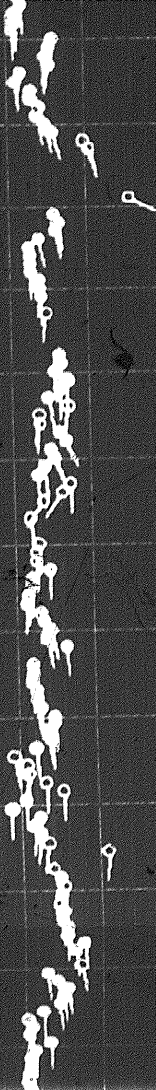
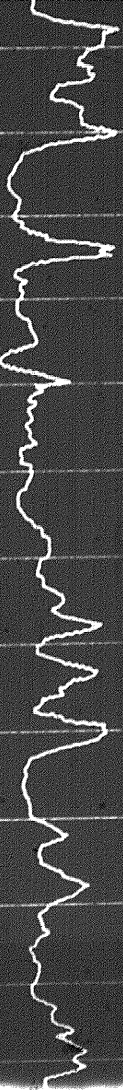
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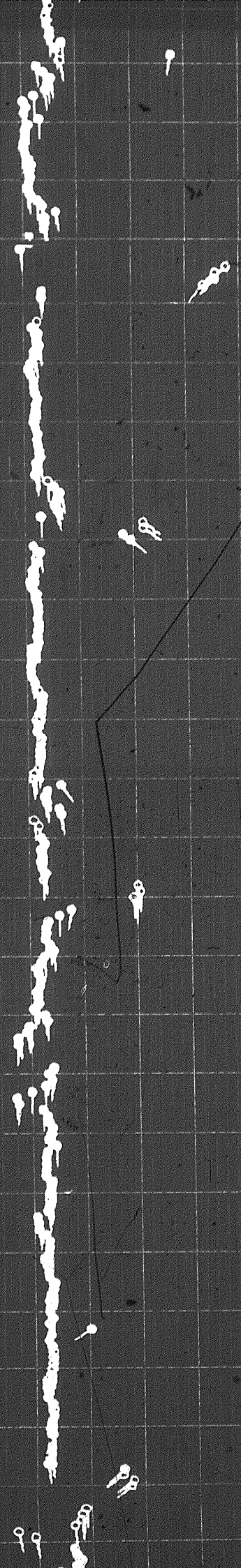
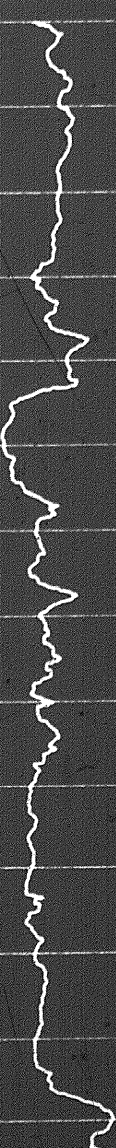
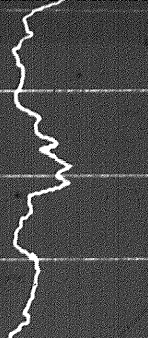


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CONTINENTAL DIPLOMAT AIRWAYS



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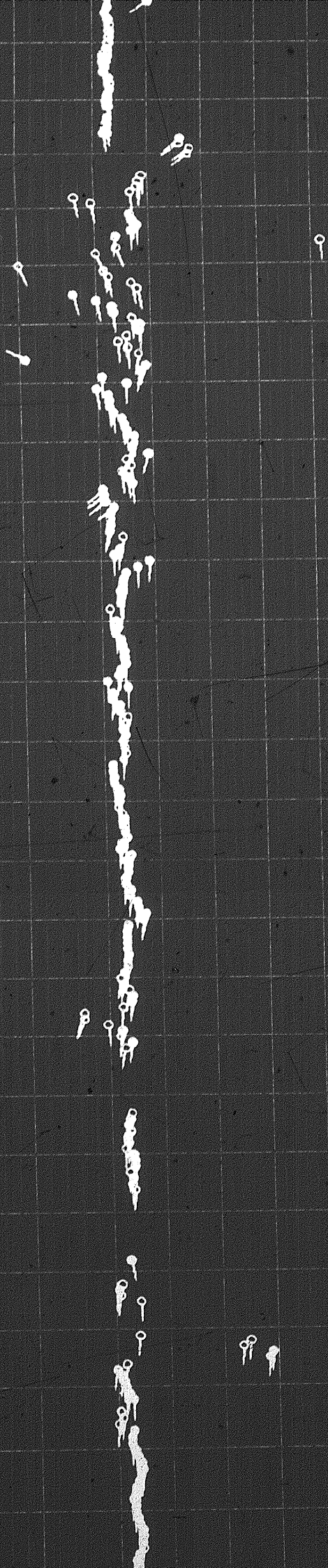
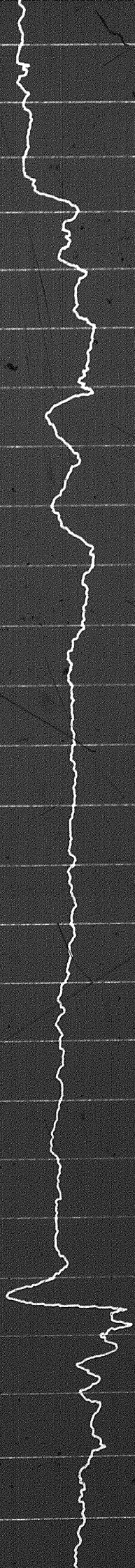
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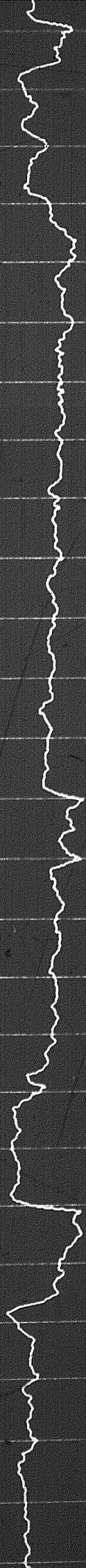
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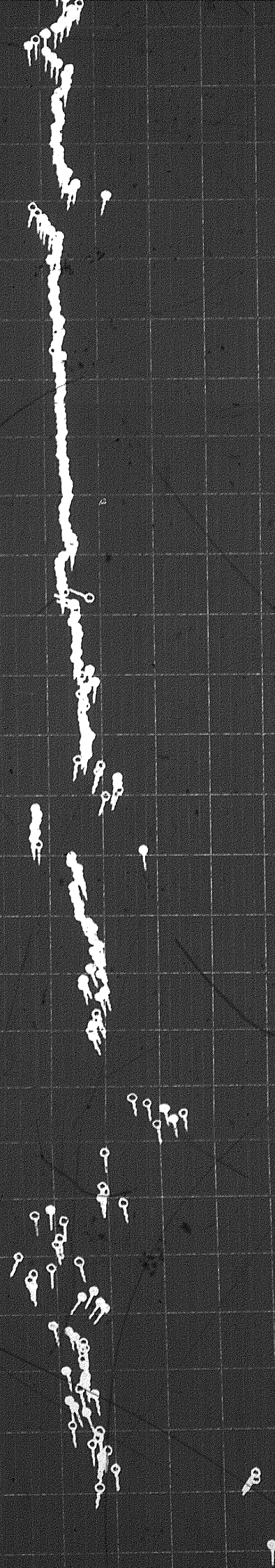
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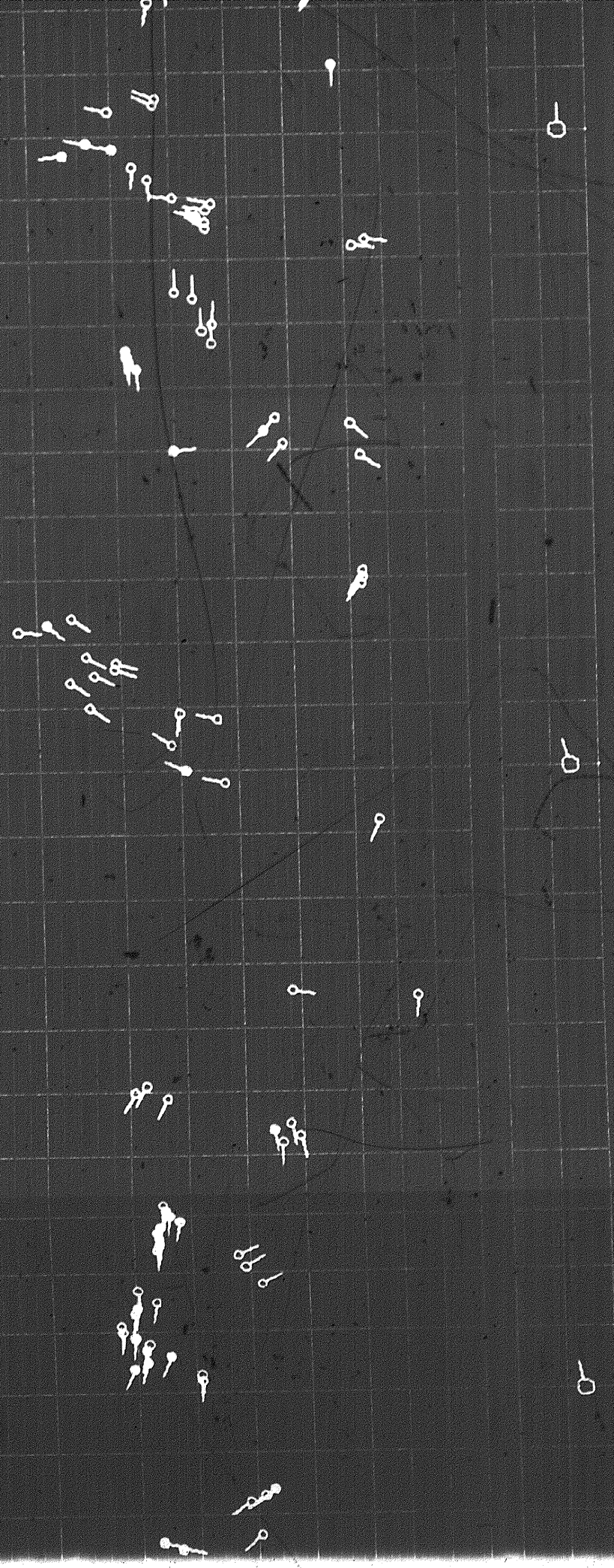
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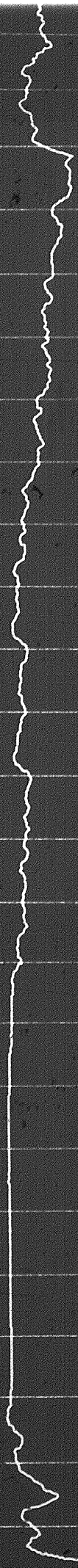
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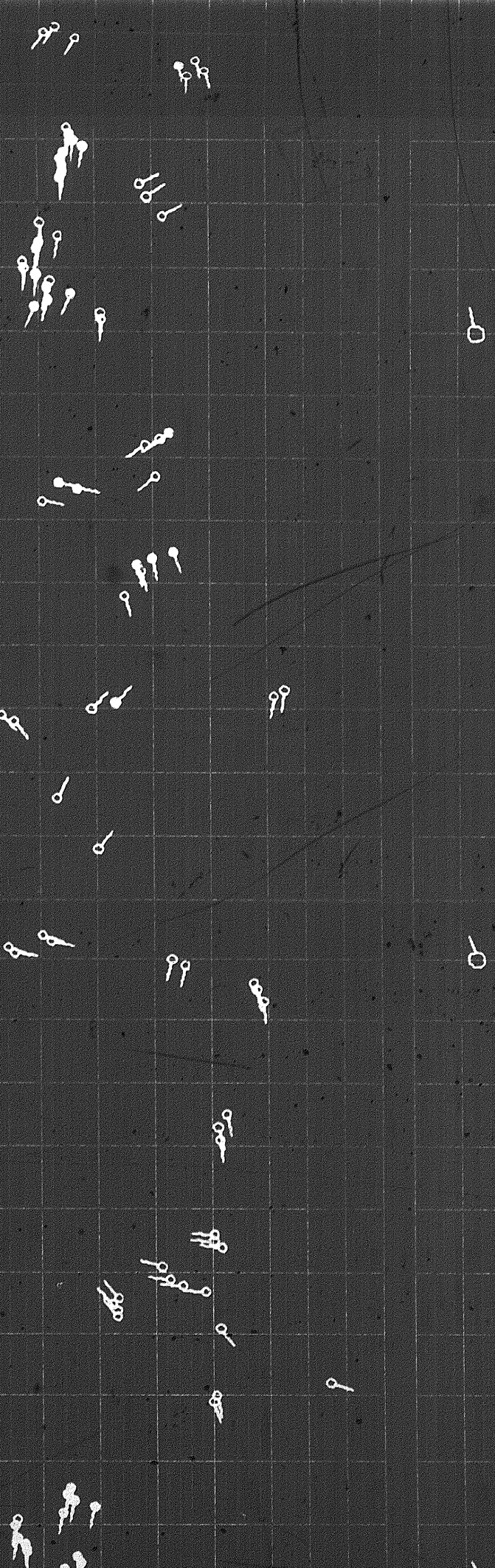
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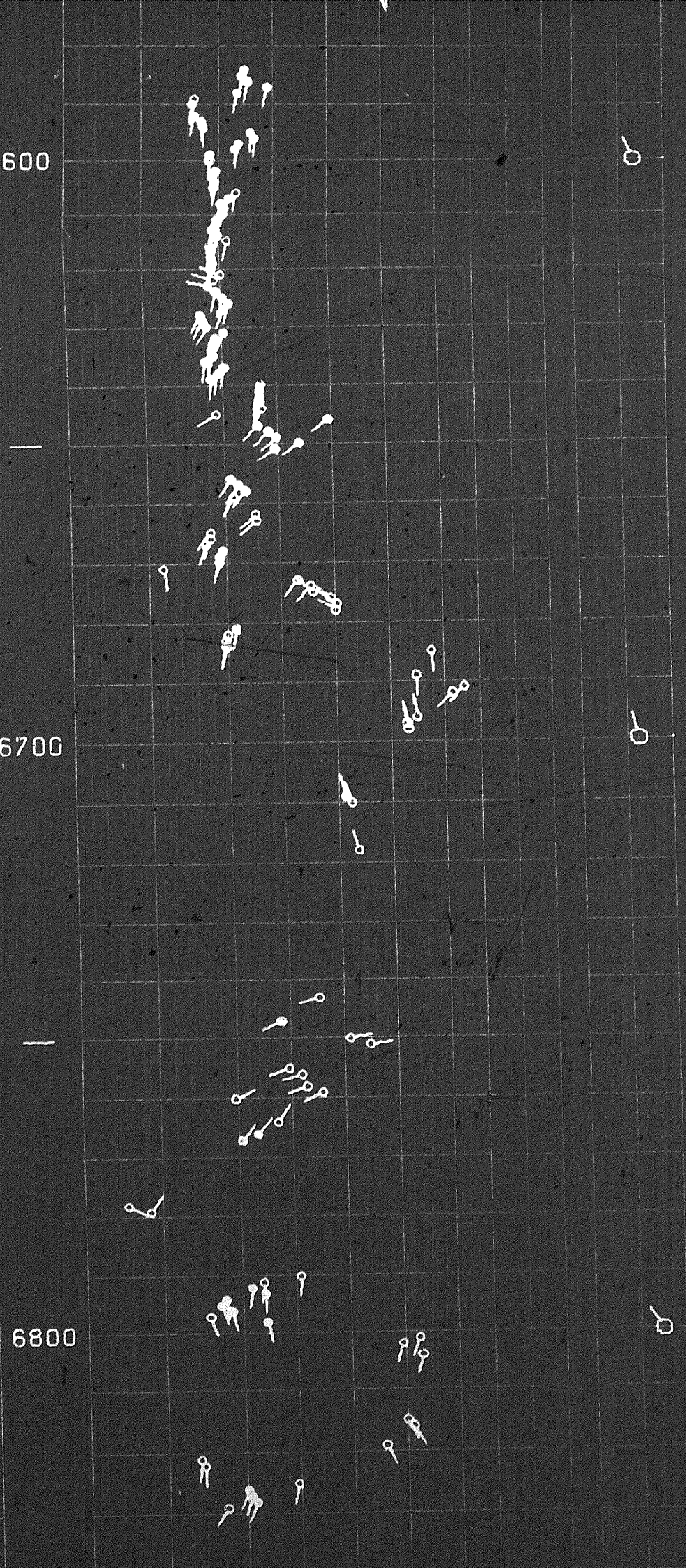
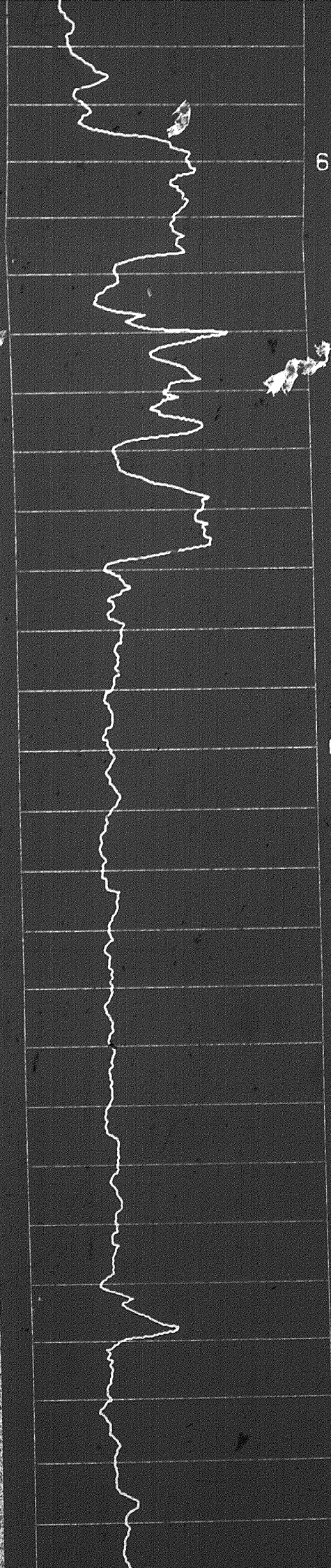
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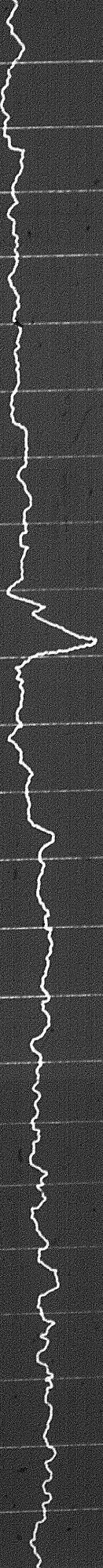
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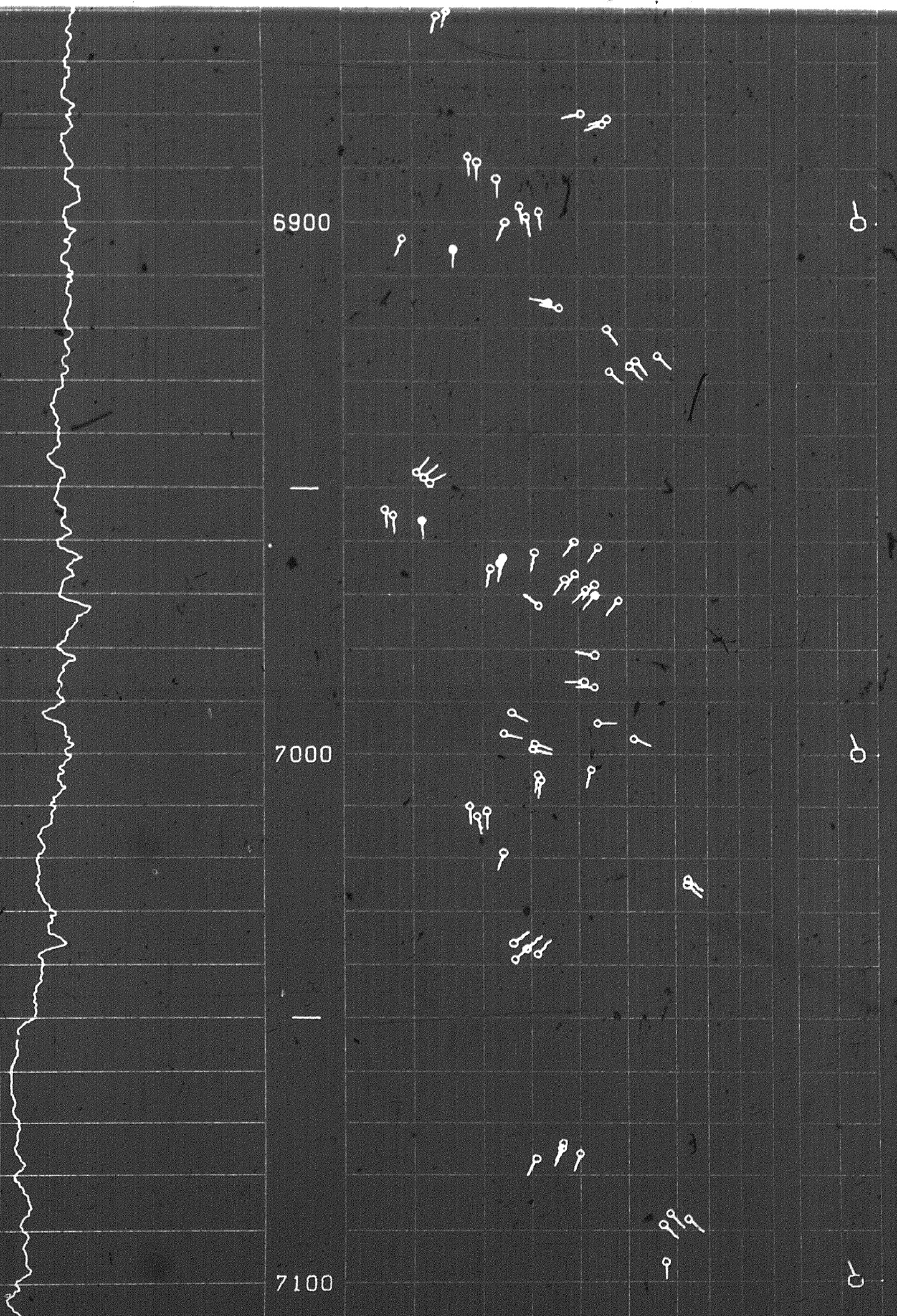


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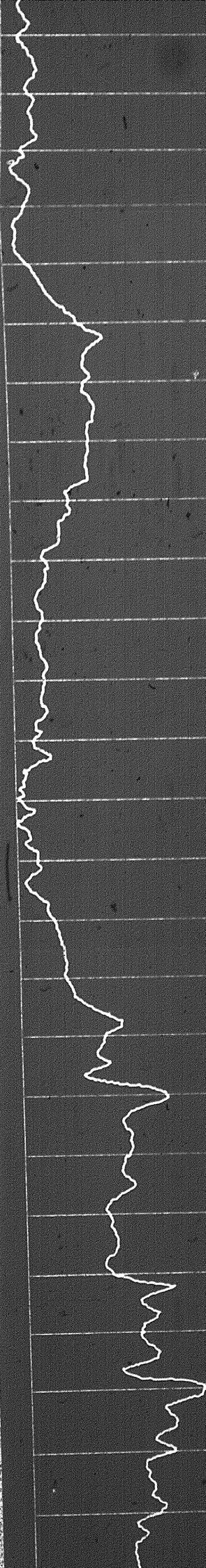




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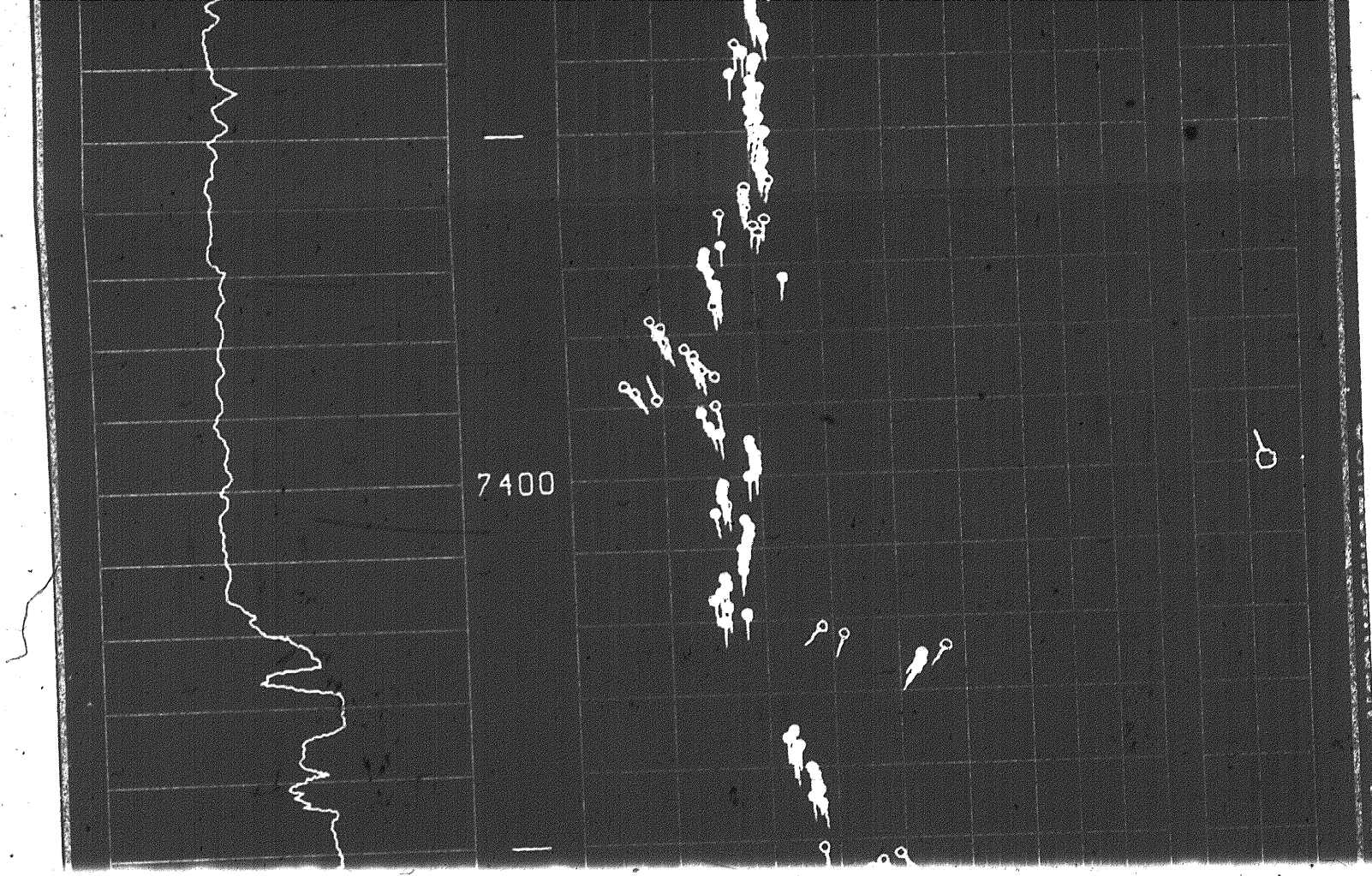
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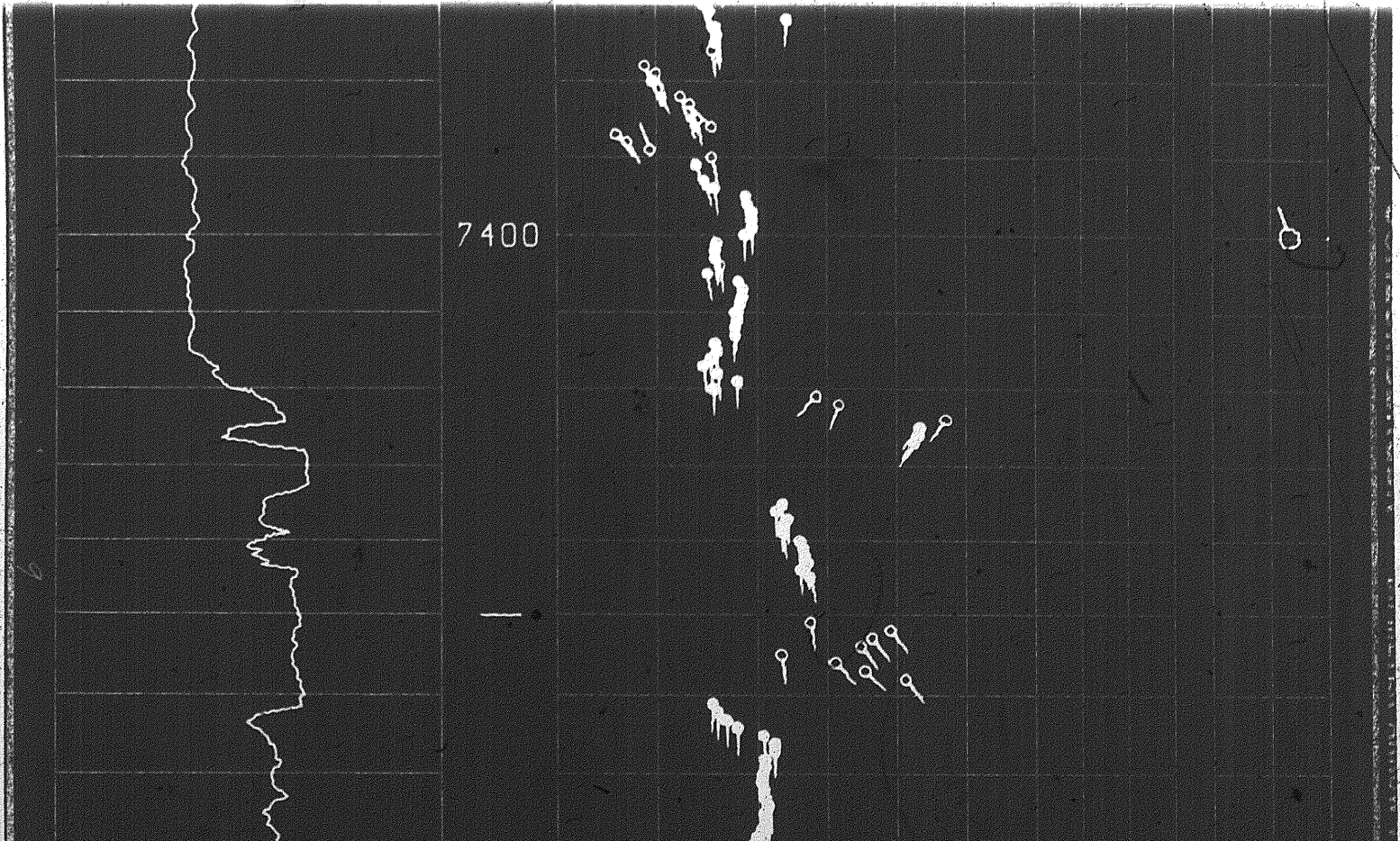
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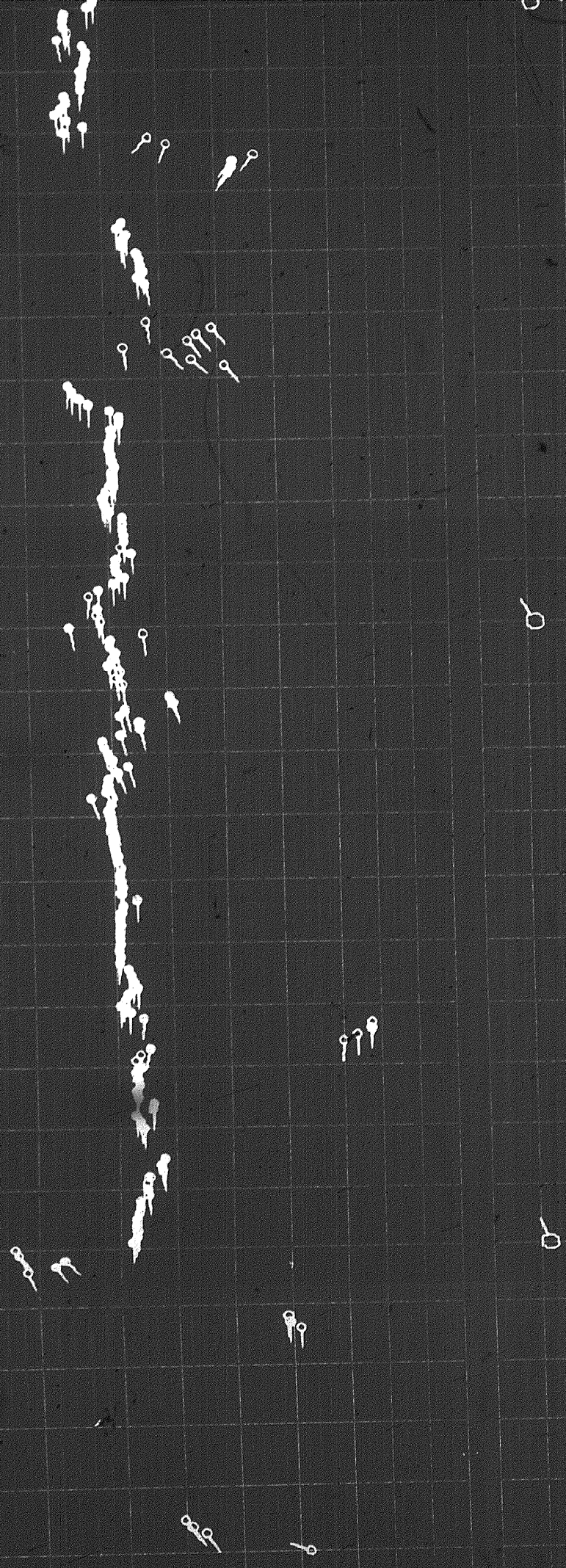
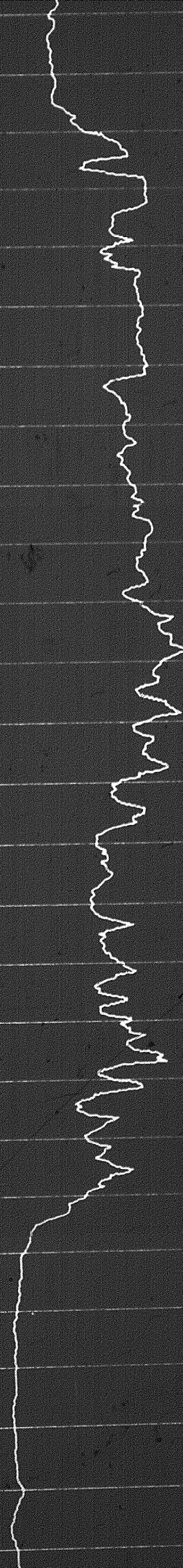
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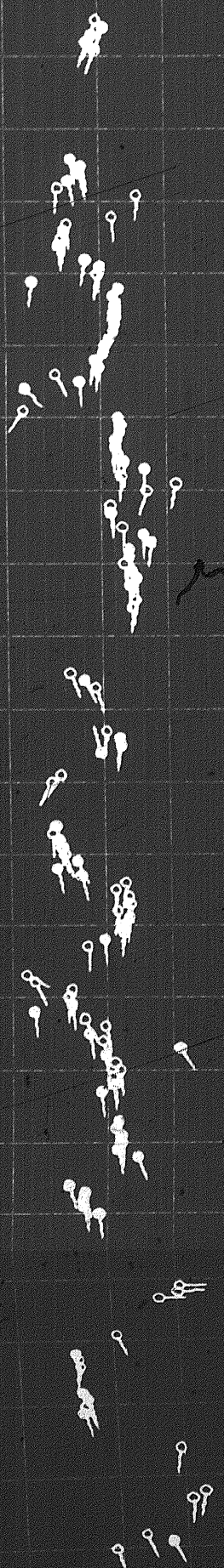
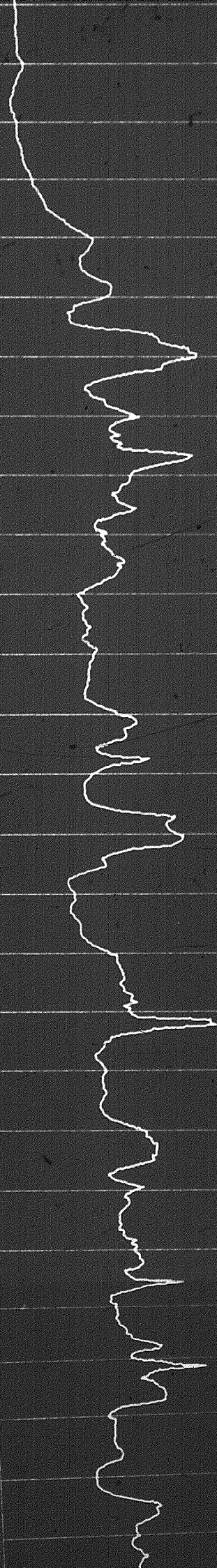


U.S. GEOLOGICAL SURVEY
WATER RESOURCES DIVISION
GEOGRAPHIC INFORMATION SYSTEMS
WASHINGTON, D.C. 20506

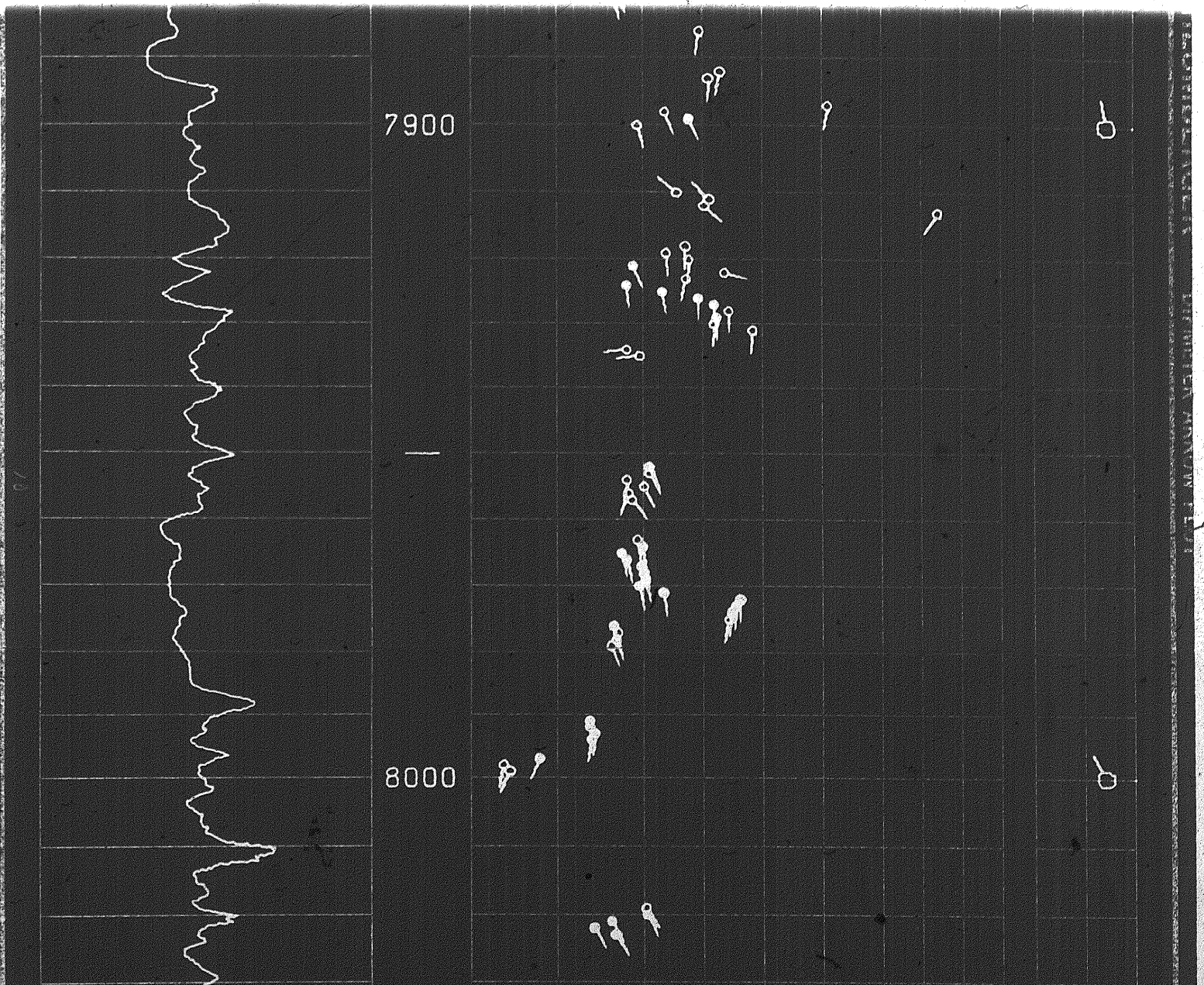
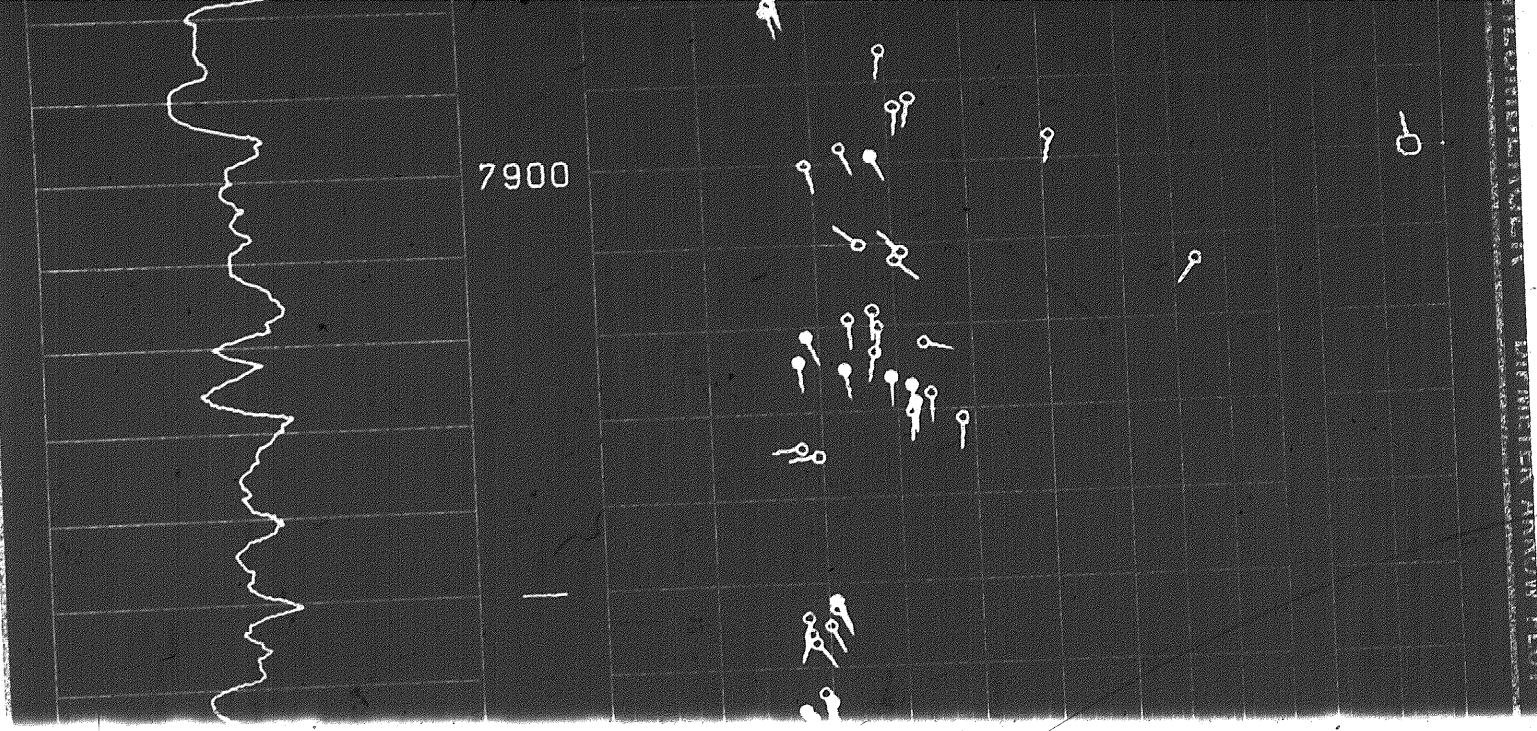
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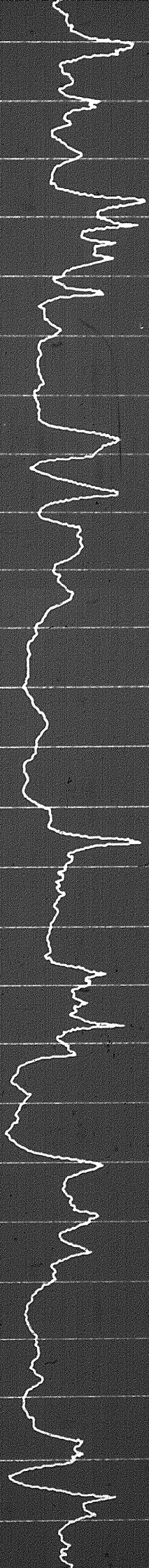
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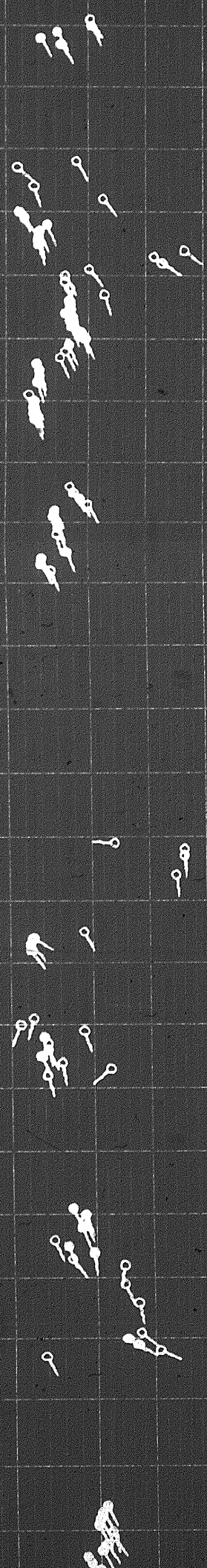
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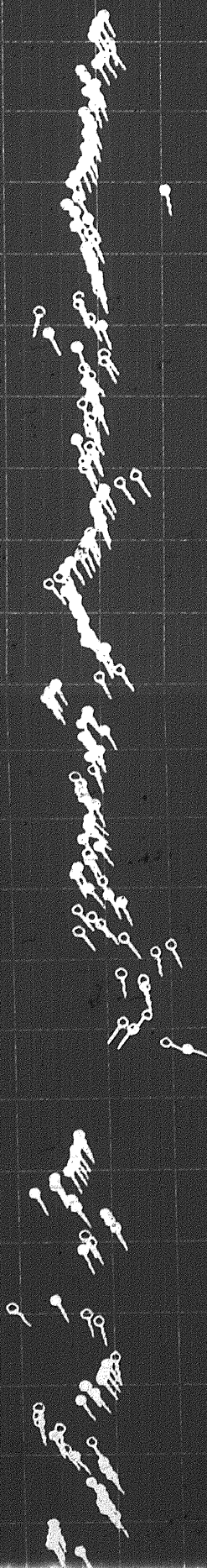
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CONTINUITY OF THE ARROW PLO



8300

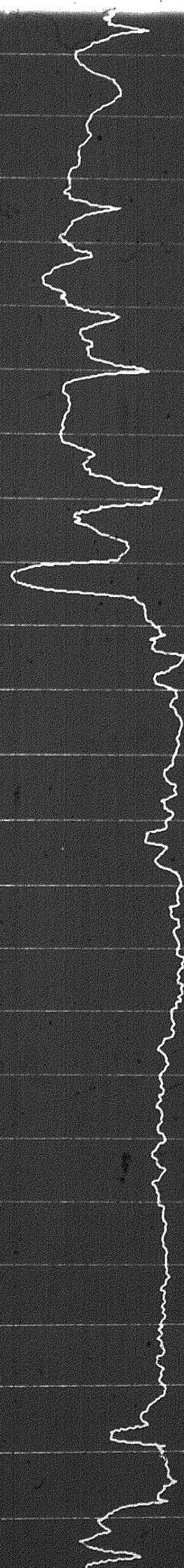
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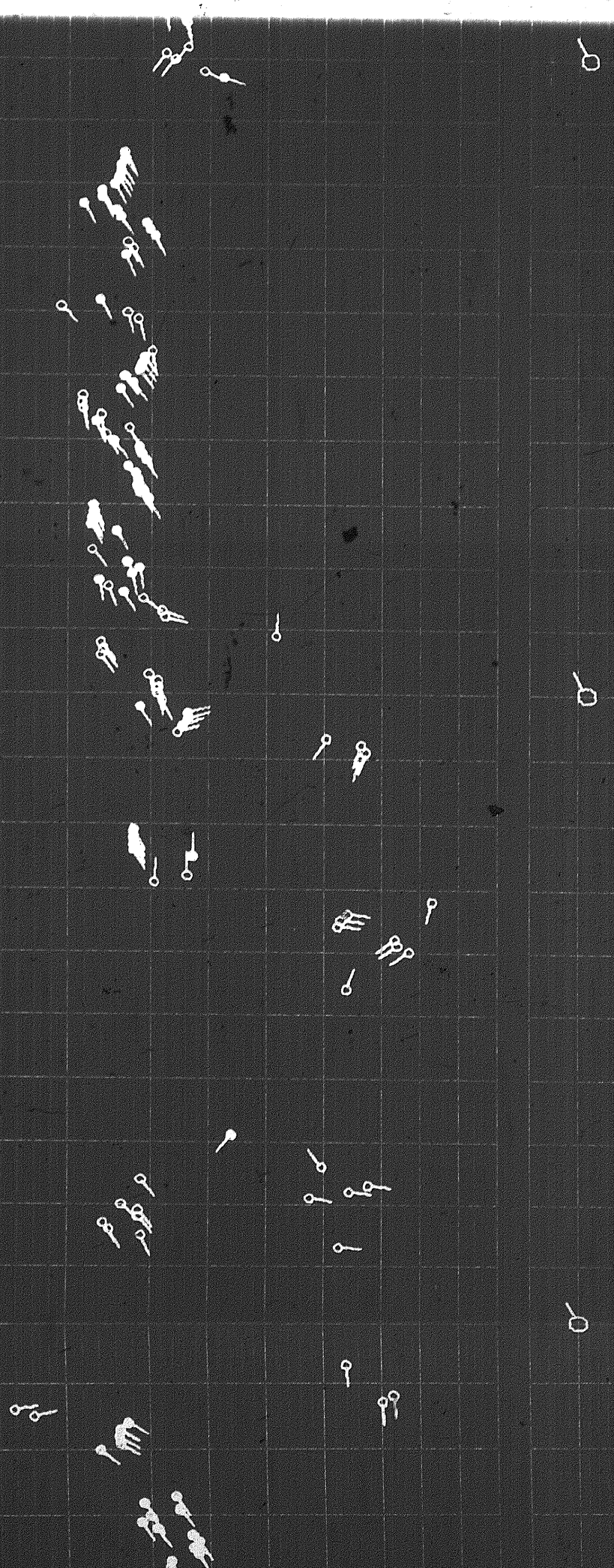
COPIES AVAILABLE IN THE ARROW ROOM



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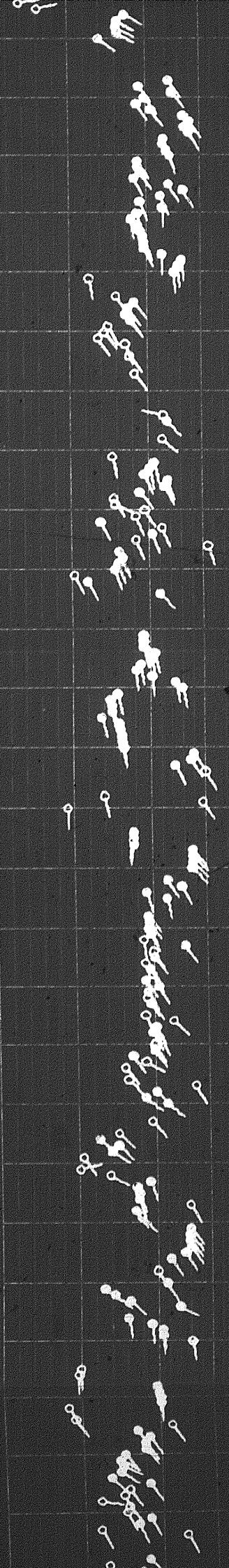


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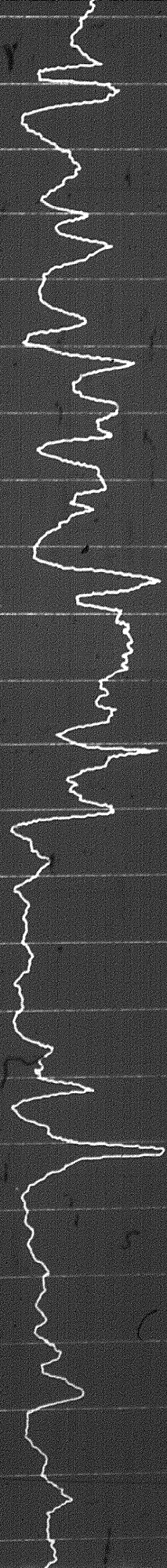
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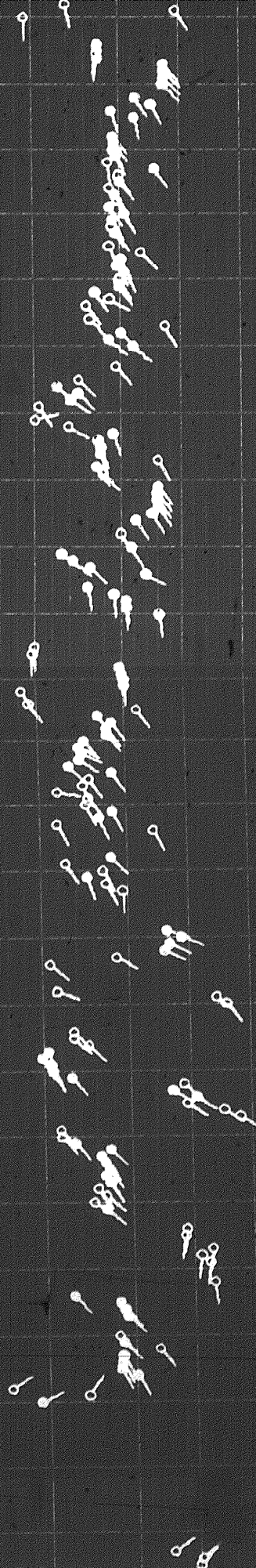
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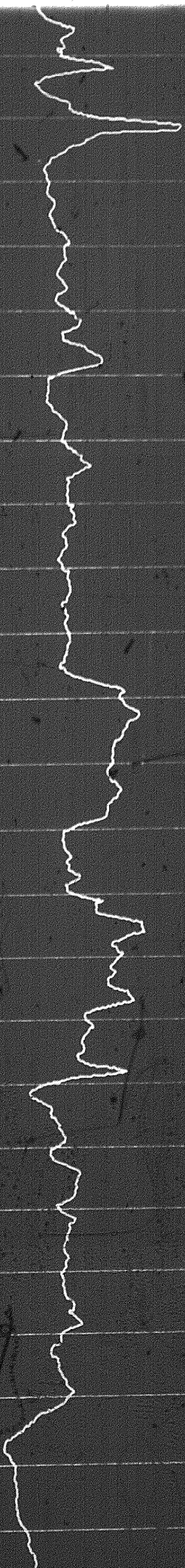
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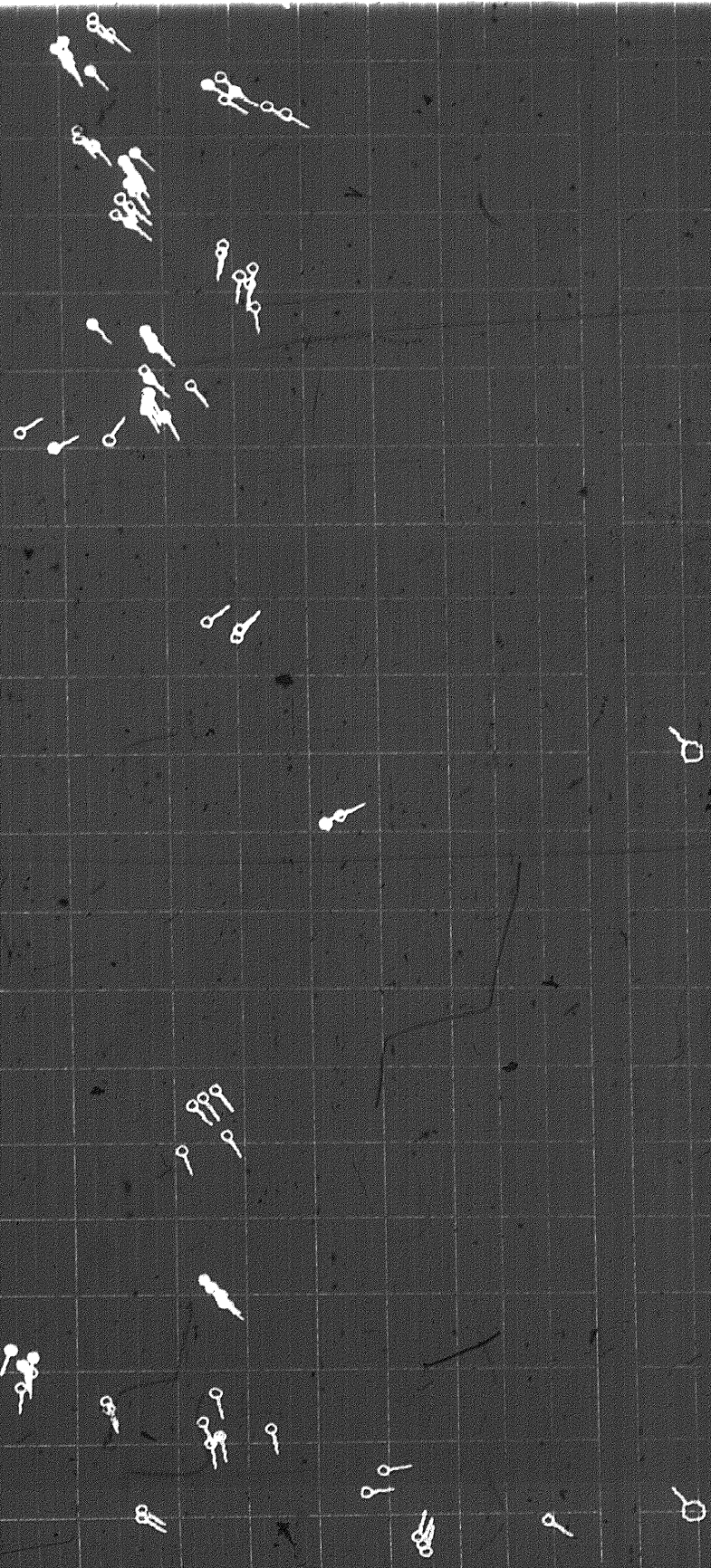
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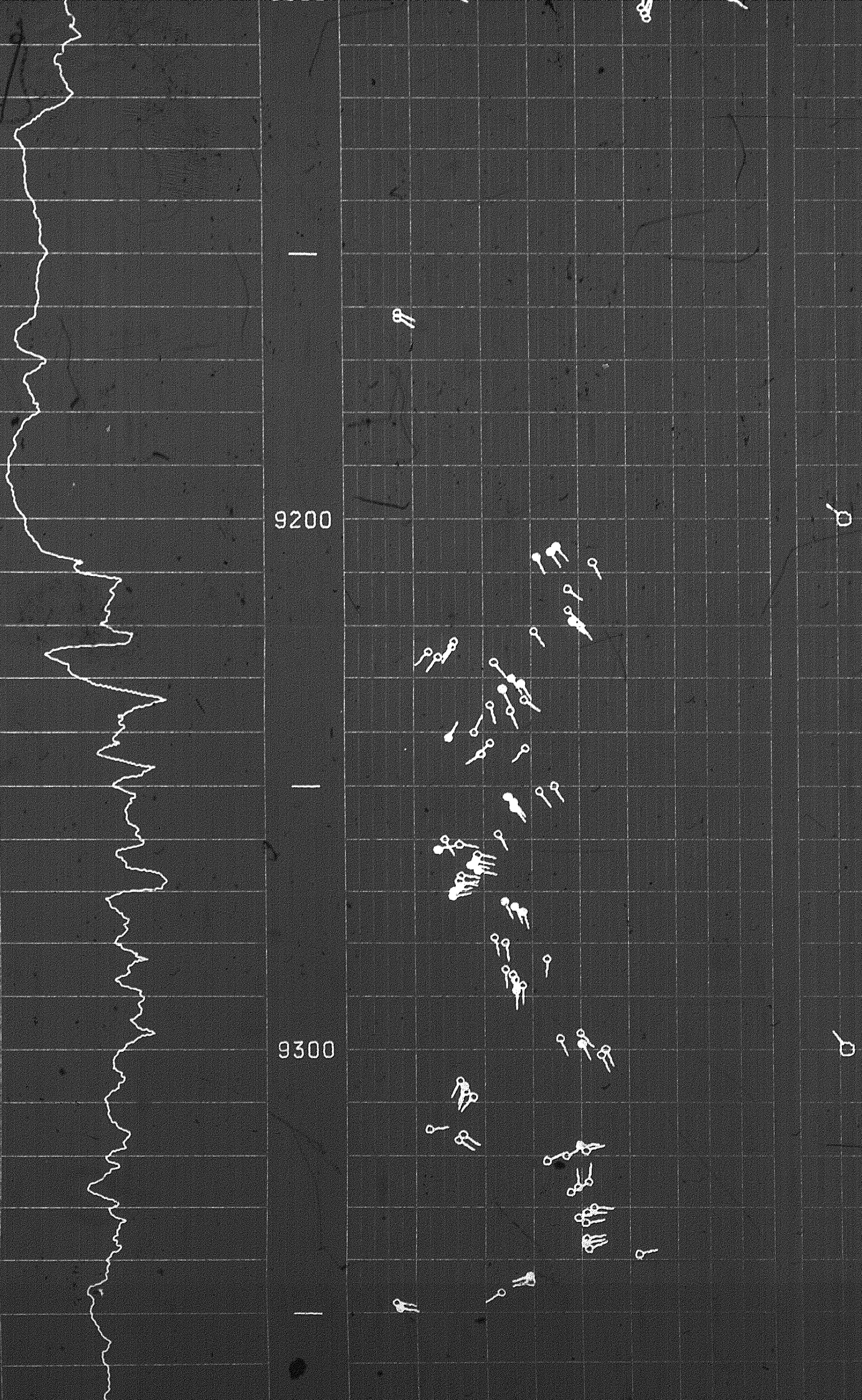
COMMUNICATIONS ENGINEER ARROW PLOT



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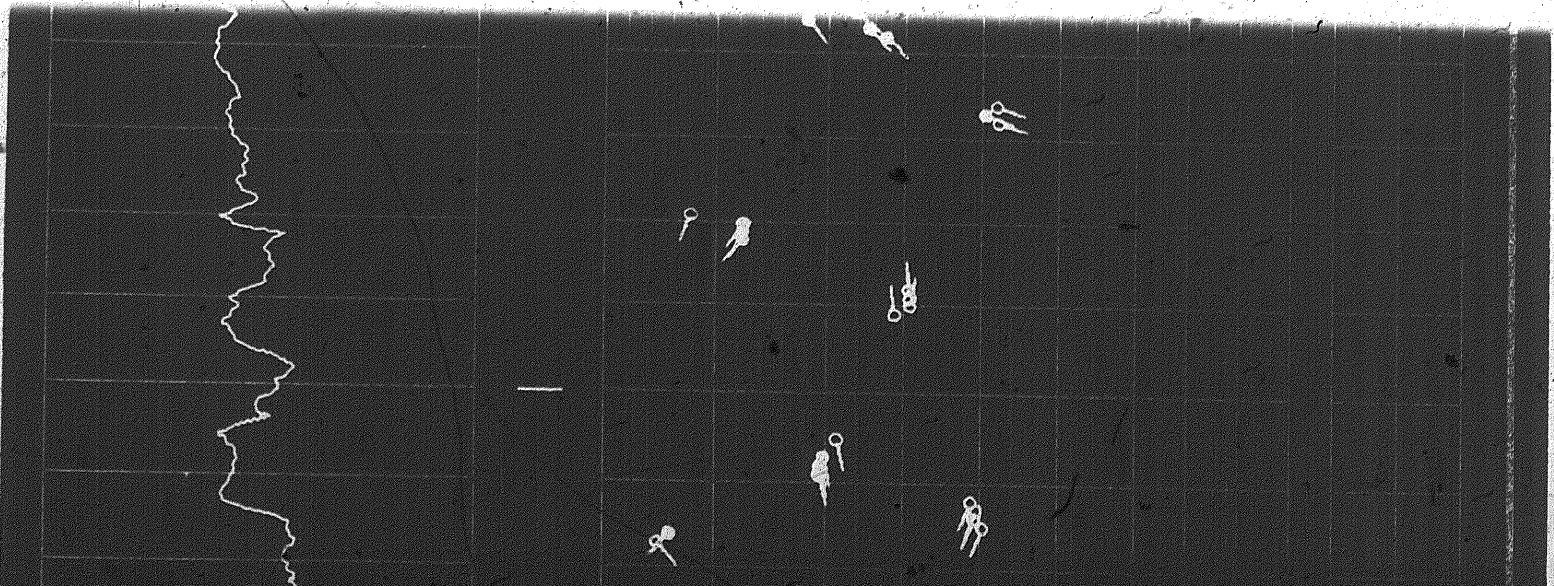
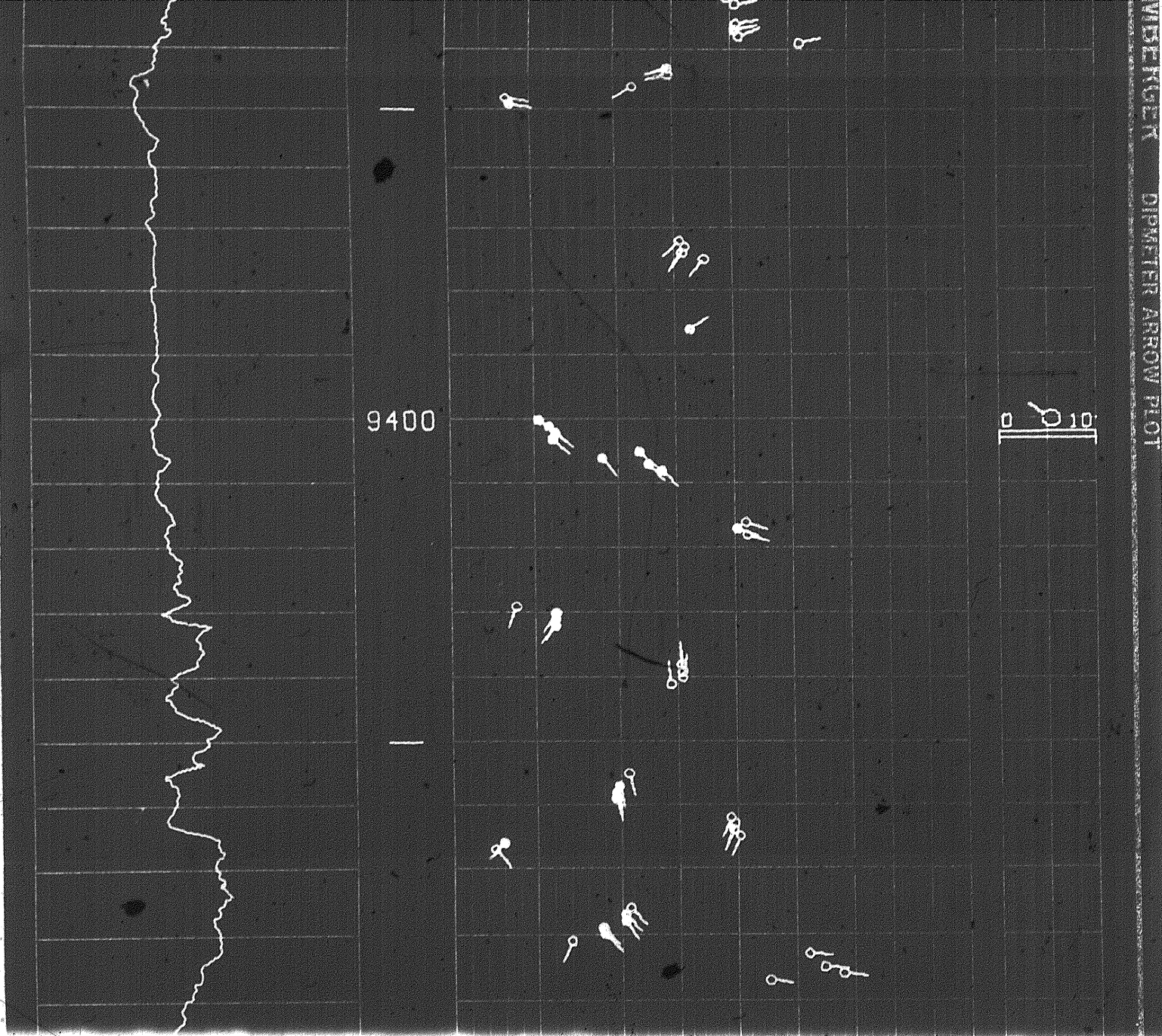
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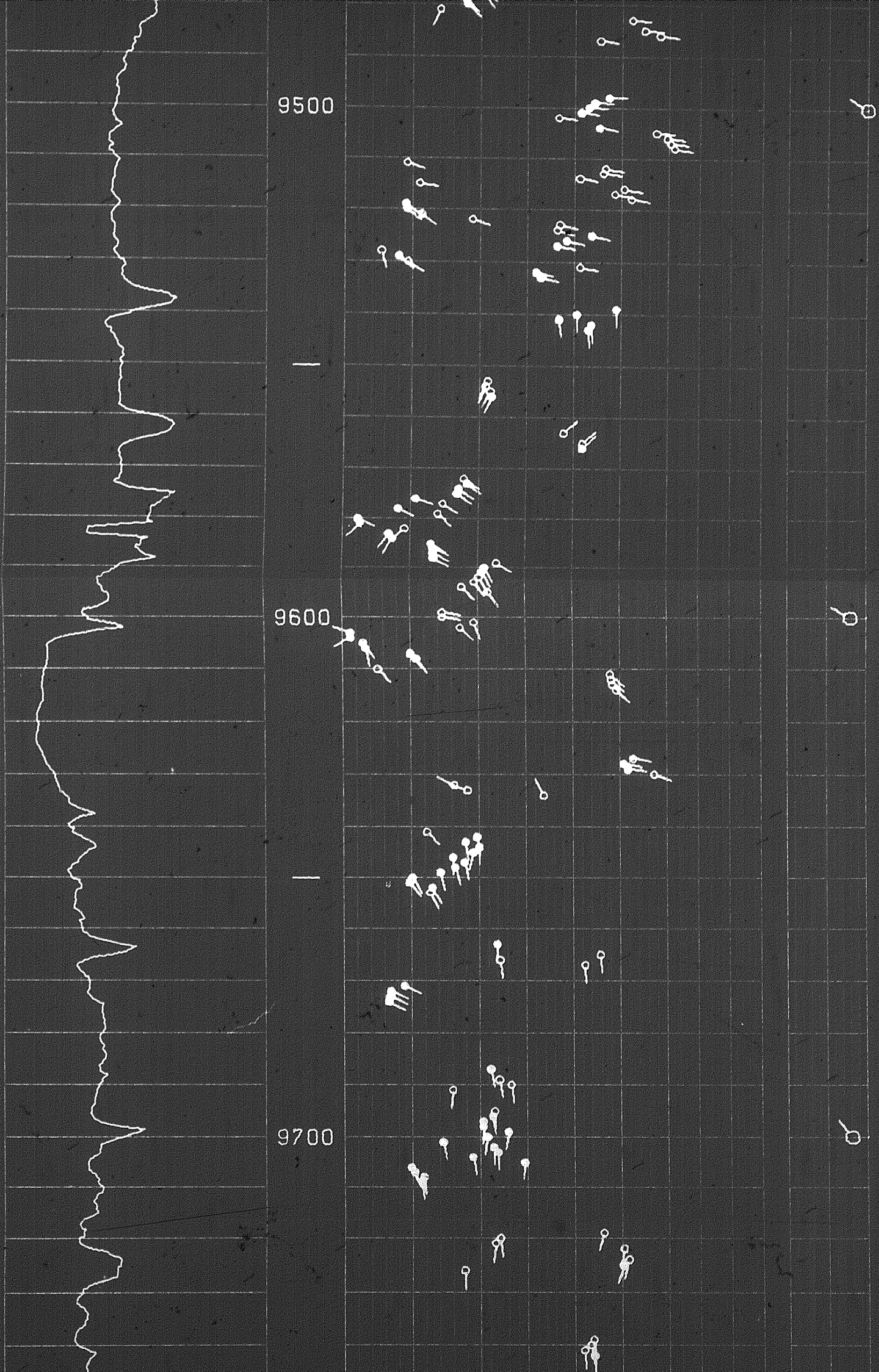
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9600

9700



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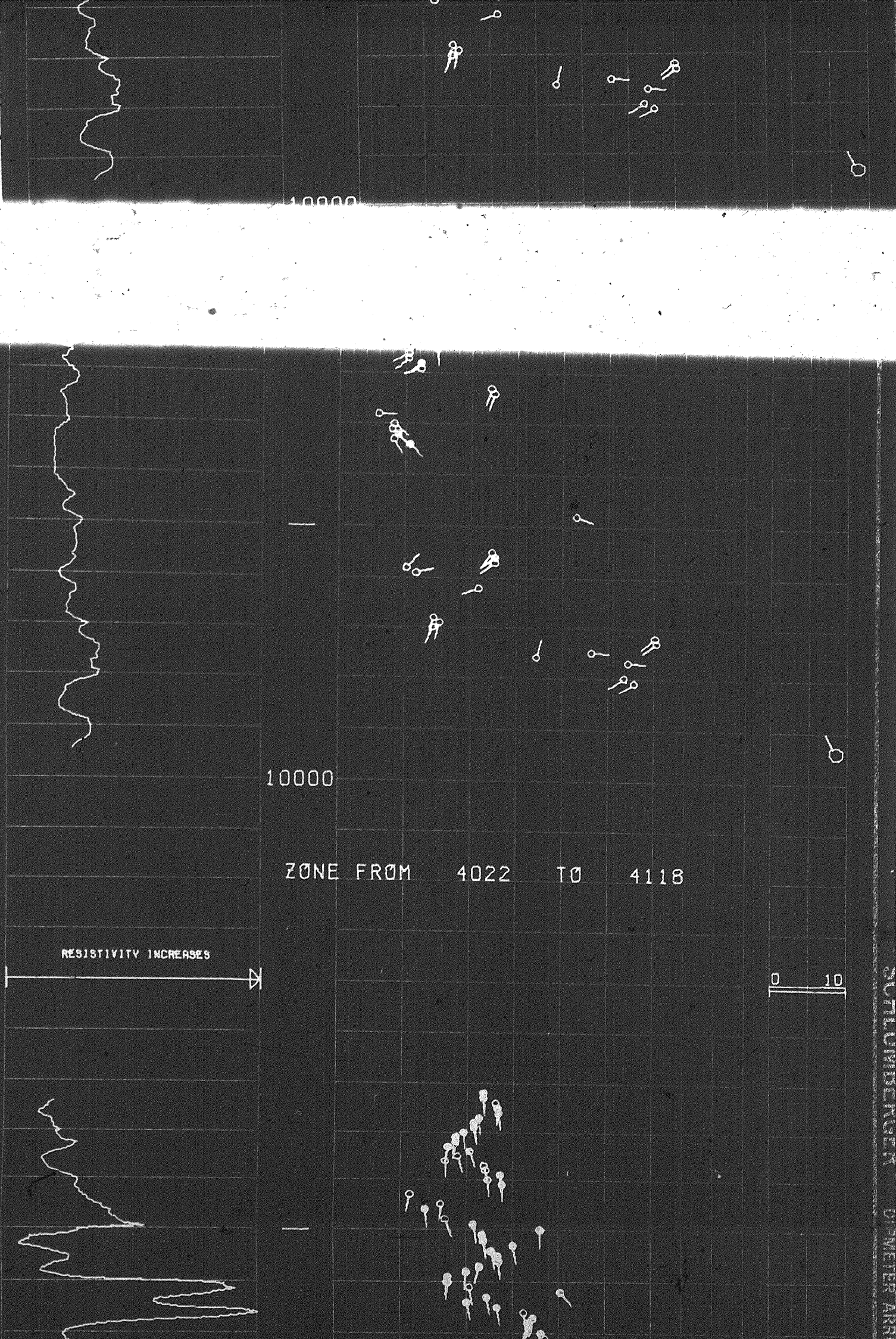
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ZONE FROM 4022 TO 4118

RESISTIVITY INCREASES

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SULLIVANVILLE DIPMETER ARRAY



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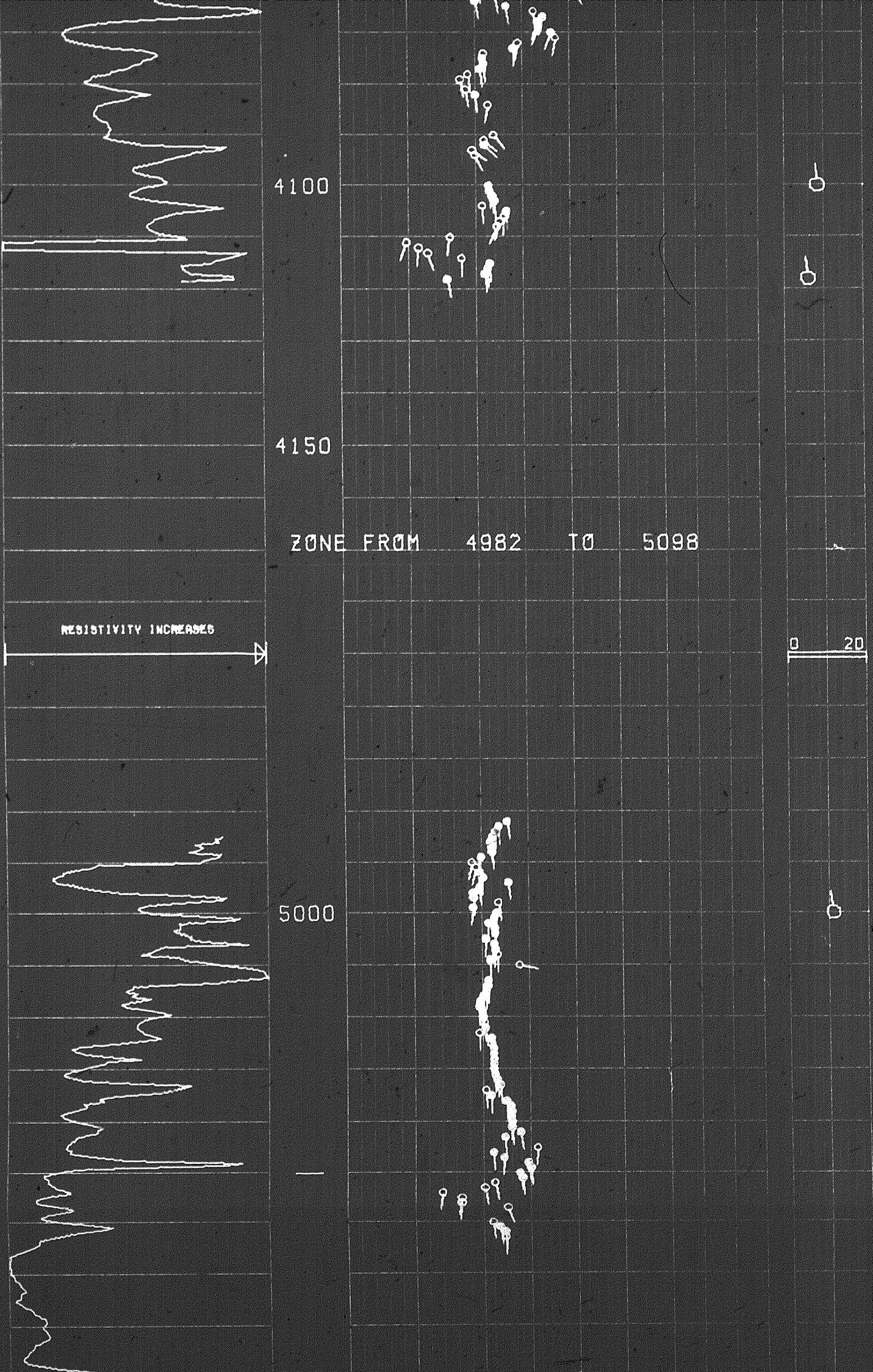
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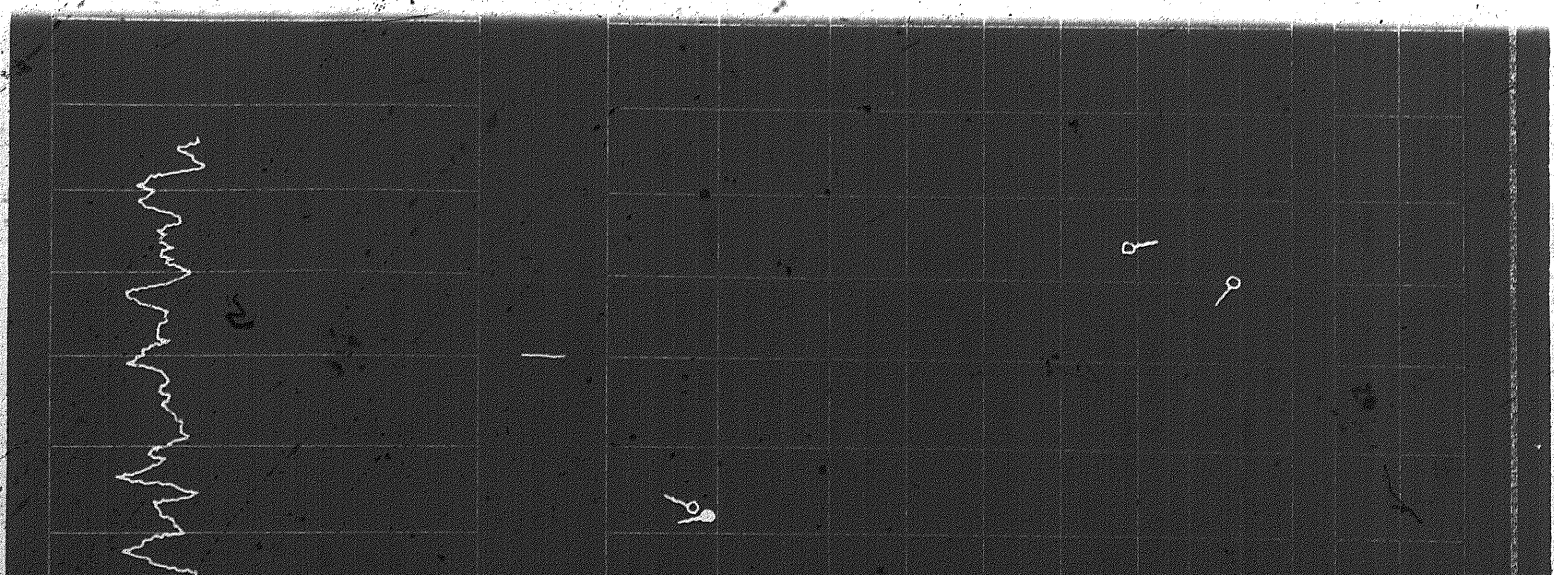
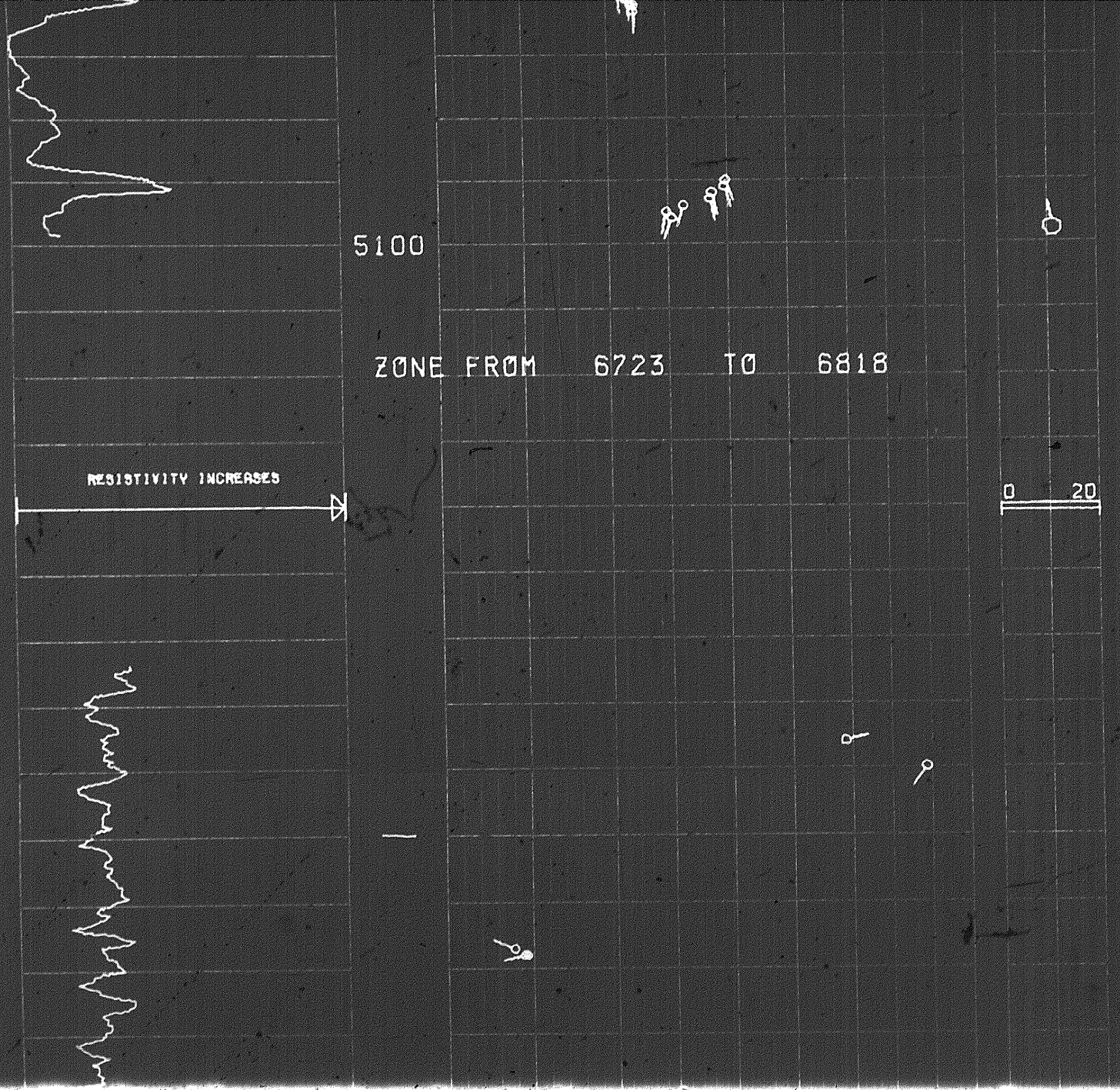
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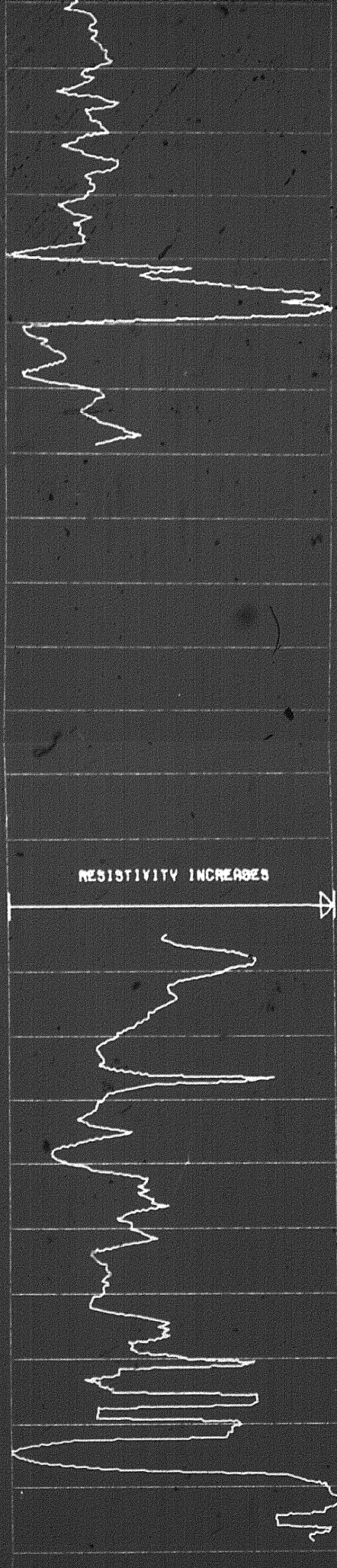
RESISTIVITY INCREASES

0 20

5000







6800

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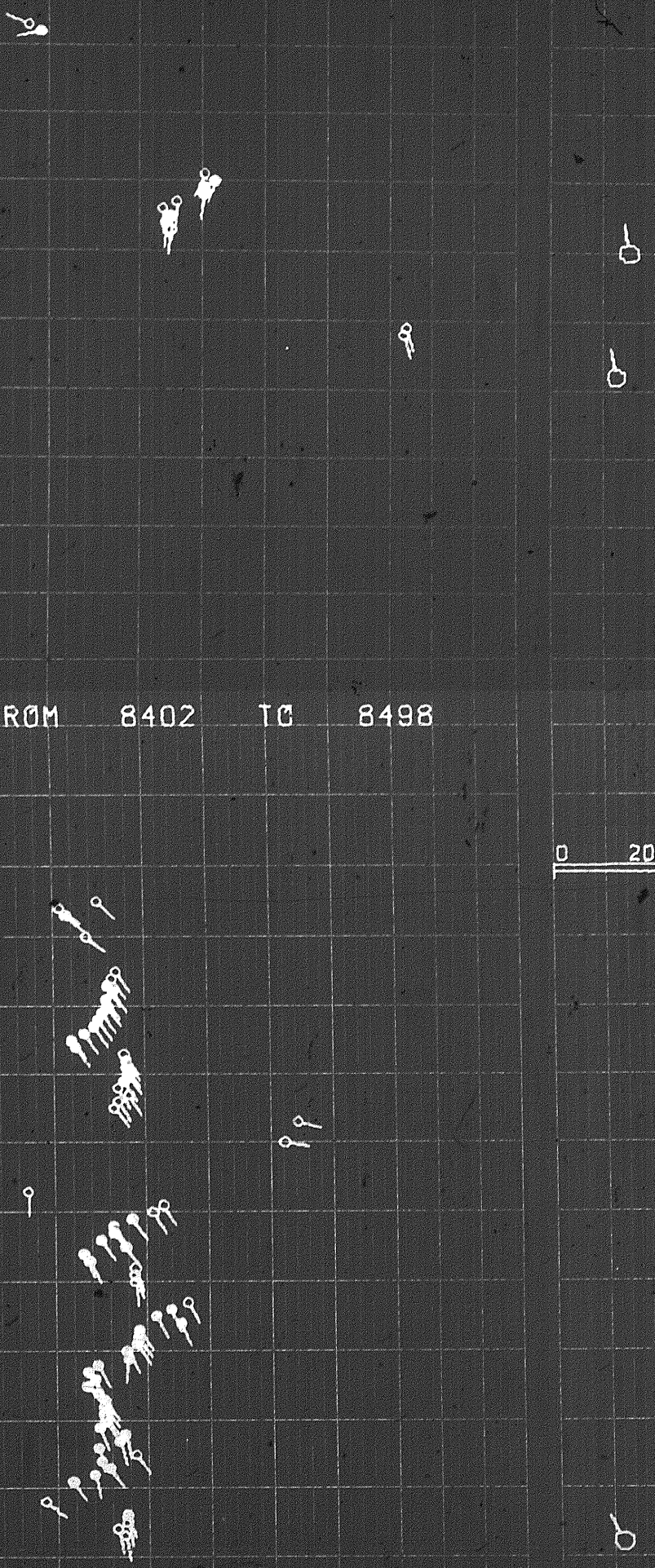
ZONE FROM 8402 TO 8498

RESISTIVITY INCREASES

0 20

8500

ZONE FROM 9688 TO 9988



ZONE FROM 9688 TO 9988

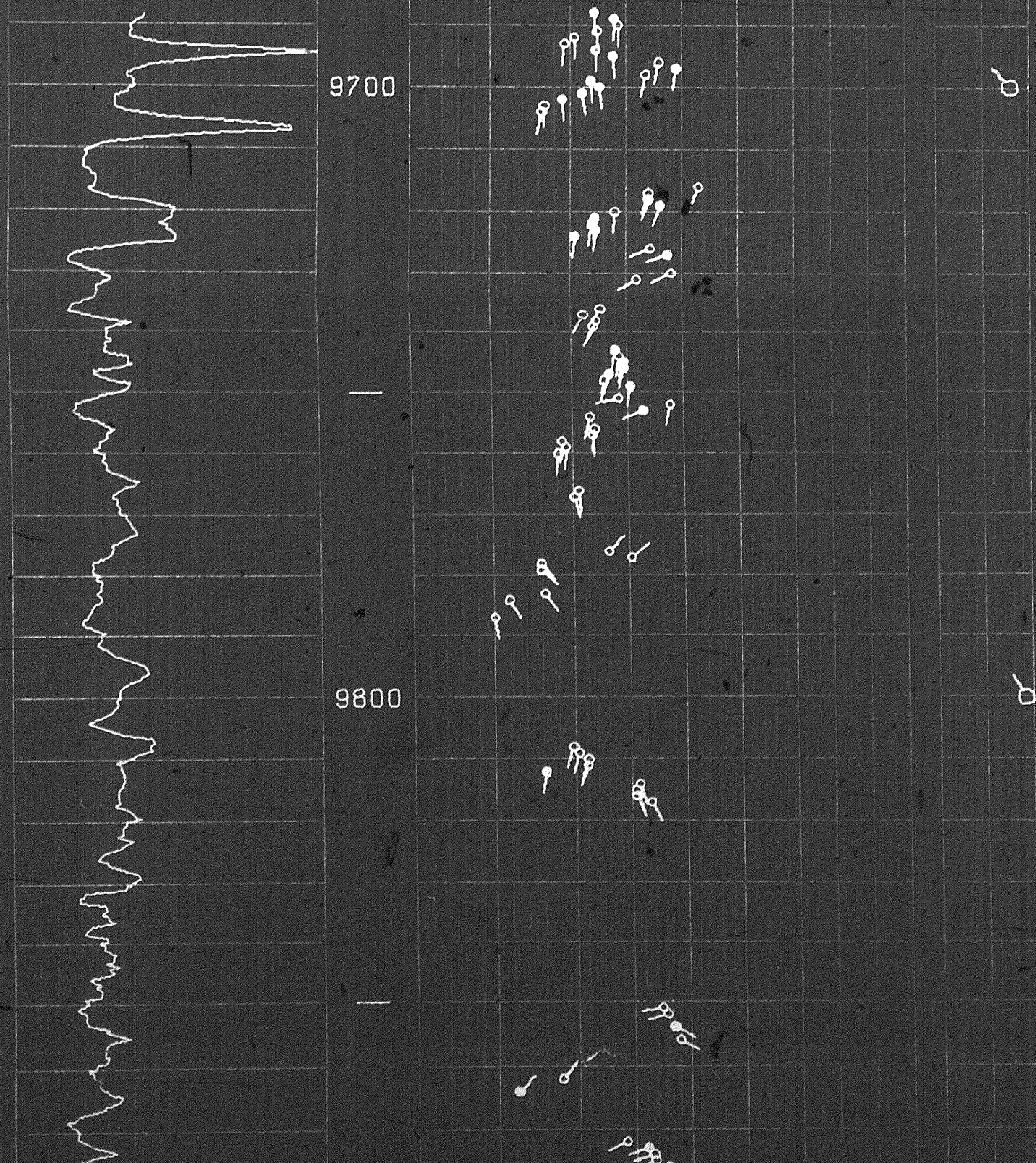
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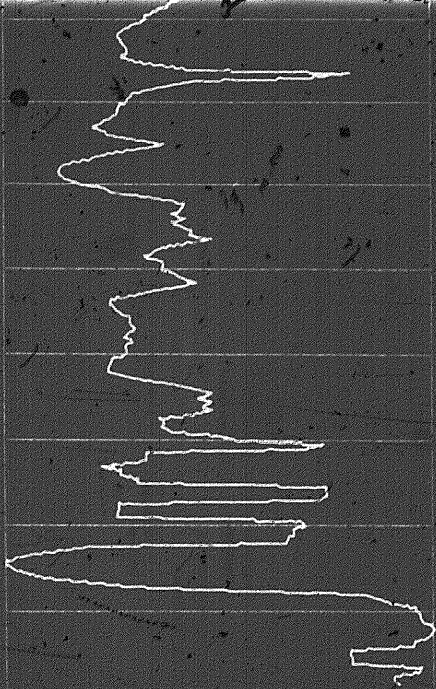
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9800

SUNFLOWER ENERGY DIPMETER ARROW PLOT

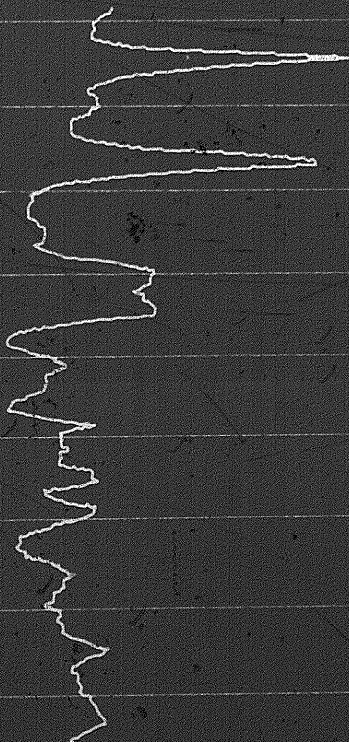




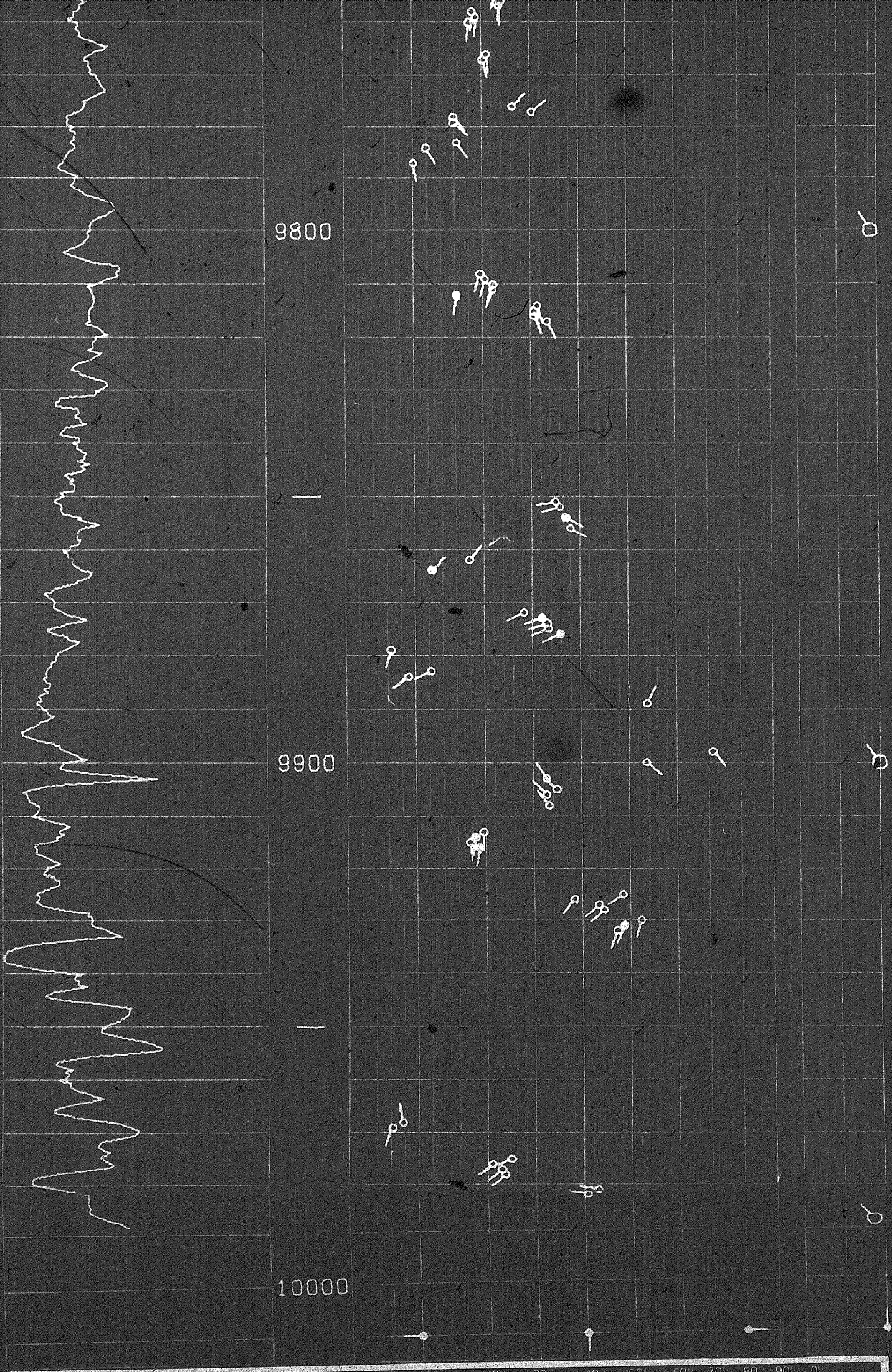
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ZONE FROM 9688 TO 9988

RESISTIVITY INCREASES



9700



9800

9900

10000

0 10° 20° 30° 40° 50° 60° 70° 80° 90° 0°

DRIFT &

SULLOWMEYER DIMETER ARROW P11