Schlumberger

CONTINUOUS DIPMETER

PROVINCE	YUKON TERRITORY
FIELD	WILDCAT
WELL	AQUIT ALDER YT C-33
COMPANY	AQUITAINE COMPANY OF CANADA LTD

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WELL	AQUIT ALDER YT C-33
FIELD	WILDCAT
PROVINCE	YUKON TERRITORY
LOCATION	65° 52' 01.59"N LAT 136° 51' 54.70"W LONG
Permanent Datum	GL Elev. 523.6 m
Log Measured From	KB 6.4m Above Perm. Datum
Drilling Measured From	KB

	ELEV.
KB	530.0 m
GL	523.6 m
CBF	

Other Services: DIL, BHC-GR-CAL

Date				27 DEC 78
Run No.				TWO
Depth Driller				1321
Depth Logger				1328
Btm. Log Interval				1317
Top Log Interval				499
Casing Driller				491
Casing Logger				499
Bit Size				12 1/4"
Type Fluid in Hole				GEL
Dens.	Visc.			10.5
pH	Fluid Loss			16.5
Source of Sample				FLOWLINE
Rm @ Meas. Temp.		@ °F	@ °F	4.07 @ 63 °F
Rmf @ Meas. Temp.		@ °F	@ °F	3.06 @ 56 °F
Rmc @ Meas. Temp.		@ °F	@ °F	- @ - °F
Source: Rmf	Rmc	MEAS.		MEAS.
Rm @ BHT		2.67 @ 96 °F	@ °F	2.67 @ 96 °F
Time Since Circ.		10 1/2 HRS		10 1/2 HRS
Max. Rec. Temp.		98 °F	°F	98 °F
Equipment		HDT		HDT
Truck No.		OSU-C 343		OSU-C 343
Location		PICKFORD		PICKFORD
Recorded By		FRONTIER		FRONTIER
Witnessed By		BOLEANTU		BOLEANTU

FOLD HERE 12 JAN 79 CAL ND

THIS HEADING AND LOG CONFORMS TO API RP 31

Run No.	Tool Type	HDM No.	HDE No.	HDP No.	HDS No.	DPI No.	DDR No.	Computed By	Correlation Interval	Step	Search
TWO	HDT	892	892	-	883	-	-	DEC 10	1.2m	0.3m	45° x1

REMARKS

1st Run Service Order # -

Magnetic Declination 39°E

EQUIPMENT DATA:
UG YES
LG CAL

"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

DIP ANGLES (degrees)	VERTICAL DISPLACEMENT FOR HORIZONTAL DISTANCES OF 100'	1000'	1 mile (5280')
1	1.75	17.5	92.2
2	3.5	35.	184.
3	5.2	52.	277.
4	7.0	70.	369.
5	8.8	88.	462.

DIP ANGLES (degrees)	VERTICAL DISPLACEMENT FOR HORIZONTAL DISTANCES OF 100'	1000'	1 mile (5280')
19	34.4	344.	1818.
20	36.4	364.	1922.
21	38.4	384.	2027.
22	40.4	404.	2133.

DIP ANGLES (degrees)	VERTICAL DISPLACEMENT FOR HORIZONTAL DISTANCES OF 100'	1000'	1 mile (5280')
1	1.75	17.5	92.2
2	3.5	35.	184.
3	5.2	52.	277.
4	7.0	70.	369.
5	8.8	88.	462.
6	10.5	105.	555.
7	12.3	123.	648.
8	14.1	141.	742.
9	15.8	158.	836.
10	17.6	176.	931.
11	19.4	194.	1026.
12	21.3	213.	1122.
13	23.1	231.	1219.
14	24.9	249.	1316.
15	26.8	268.	1415.
16	28.7	287.	1514.
17	30.6	306.	1614.
18	32.5	325.	1716.

DIP ANGLES (degrees)	VERTICAL DISPLACEMENT FOR HORIZONTAL DISTANCES OF 100'	1000'	1 mile (5280')
19	34.4	344.	1818.
20	36.4	364.	1922.
21	38.4	384.	2027.
22	40.4	404.	2133.
23	42.5	425.	2241.
24	44.5	445.	2351.
25	46.6	466.	2462.
30	57.7	577.	3048.
35	70 0	700.	3697.
40	83.9	839.	4430.
45	100.0	1000.	5280.
50	119.2	1192.	6293.
55	142.8	1428.	7540.
60	173.2	1732.	9145.
65	214.4	2144.	11323.
70	274.8	2748.	14507.
75	373.2	3732.	19705.
80	567.1	5671.	29945.

To obtain vertical displacements corresponding to multiples of hundreds of feet, thousands of feet or miles, multiply the number found in the table by the number of hundreds, thousands or miles.

Example: The formation dip is 16 degrees. The vertical displacement occurring at a spot 660 feet away from the well is desired. The table shows 28.7 feet per 100 feet for 16° dip. Therefore 28.7 x 6.60 = 189.42, or 189. feet.

GRAPHIC PRESENTATION

CORRELATION CURVE	DEPTHS	TRUE DIP ANGLE AND DIRECTION 0° 10° 20° 30° 40° 50° 60° 70° 80° 90°	DRIFT & DIRECTION OF SONDE 0°

CORRELATION LENGTH 1.2 M.
STEP LENGTH 0.3 M.
SEARCH ANGLE 45 DEGREES X1
HDT-D TTR 11/45

ARROW PLOT FROM CLUSTER PROGRAM
DEC. 27, 1978
RUN NO TWO
YUKON
WILDCAT N65-52-1.59 W136-51-54
AQUITAINE OF CANADA LTD.
AQUIT ALDER YT C-33

JOB 2457.00

JOB 2457.00

CORRELATION CURVE | DEPTHS | DIP ANGLE AND DIRECTION | BOREHOLE DRIFT

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

ALL QUALITY ARROW PLOT 2457

FROM THE CLUSTER PROGRAM

BLACK ARROWS ARE HIGHEST QUALITY

CORRELATION LENGTH 1.2 M.

STEP LENGTH 0.3 M.

SEARCH ANGLE 45 DEGREES X1

TTR 11/45

JOB 2457.00

CORRELATION CURVE | DEPTHS | DIP ANGLE AND DIRECTION | BOREHOLE DRIFT

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

CORRELATION LENGTH 1.2 M.

STEP LENGTH 0.3 M.

SEARCH ANGLE 45 DEGREES X1

TTR 11/45

PLOT FROM CLUSTER PROGRAM

27, 1978

NO TWO

CAL N65-52-1.59 W136-51-54

ALDER YT C-33

AINE OF CANADA LTD.

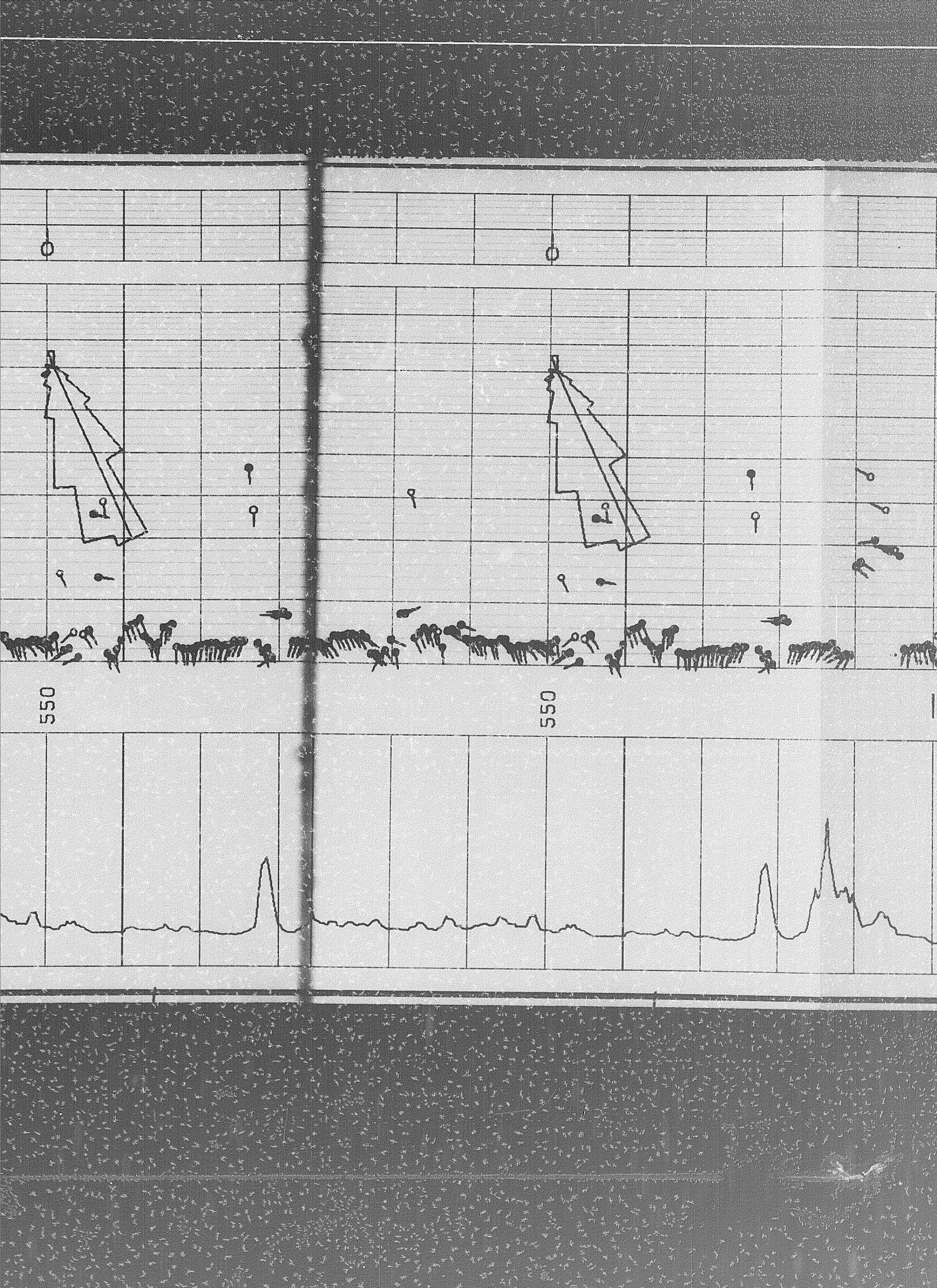
PC0130043918307001020420

ZONE FROM 501 TO 1316

0 10

RESISTIVITY INCREASES

2 of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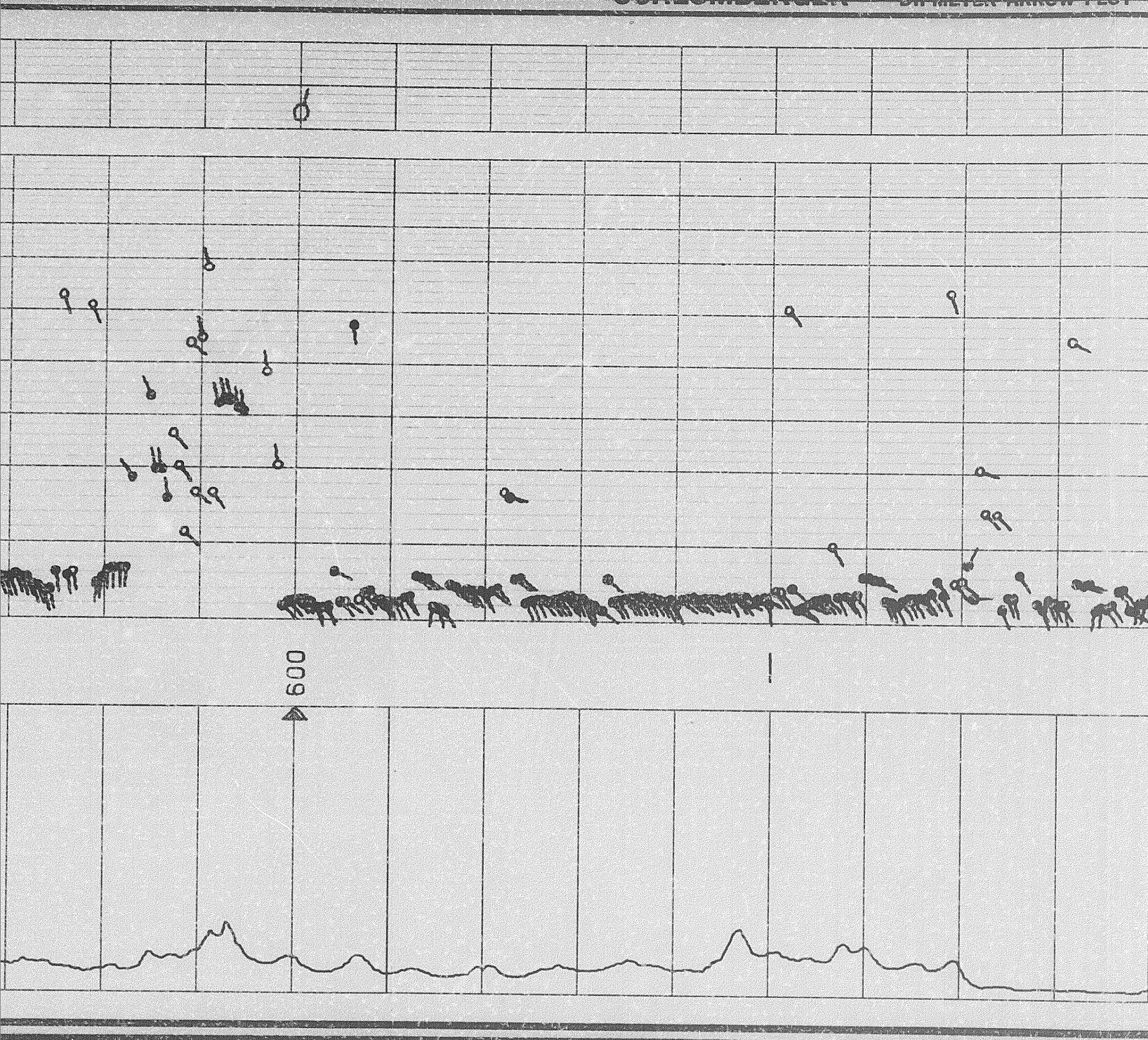
0
550
550



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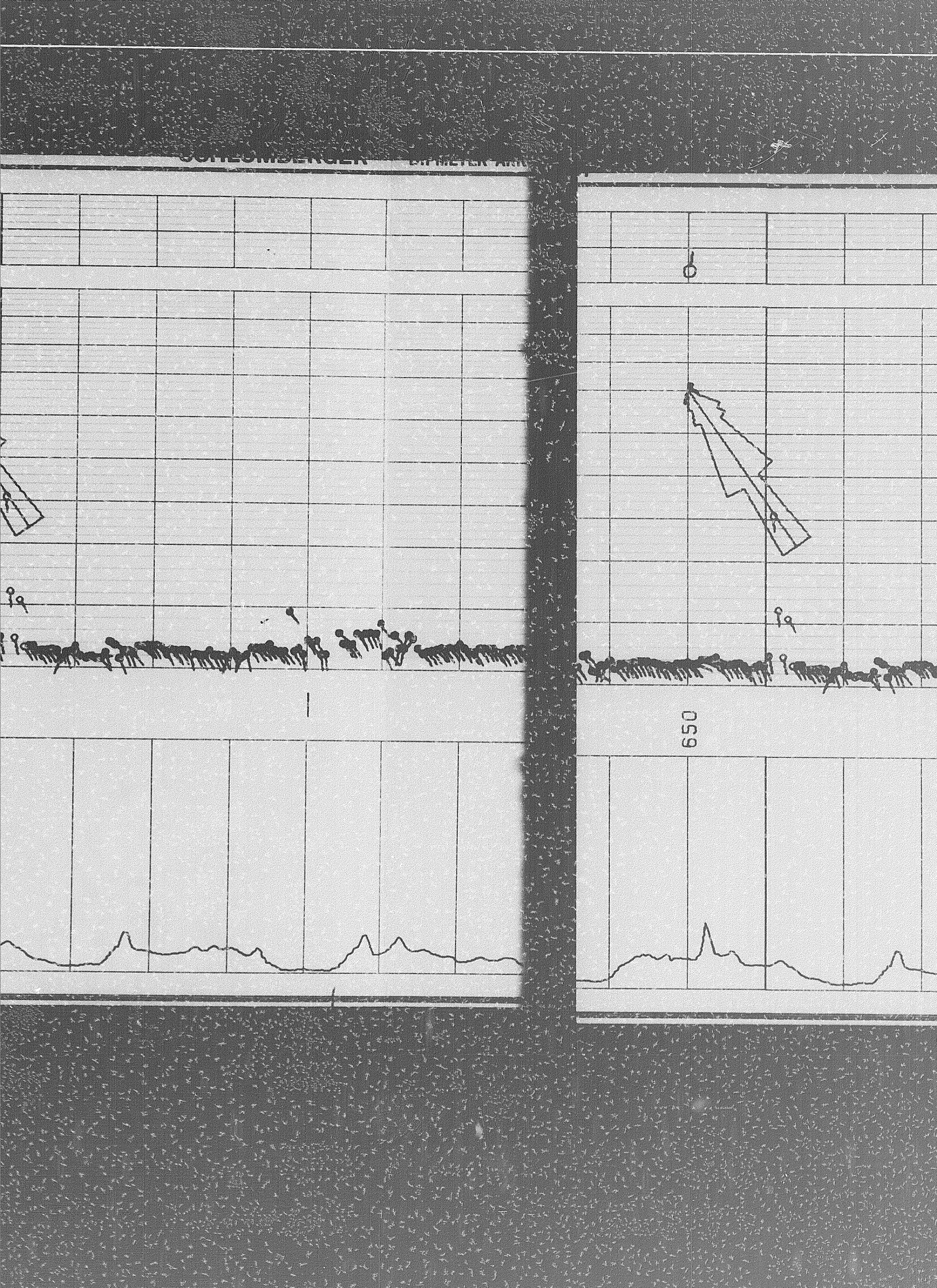
SCHLUMBERGER
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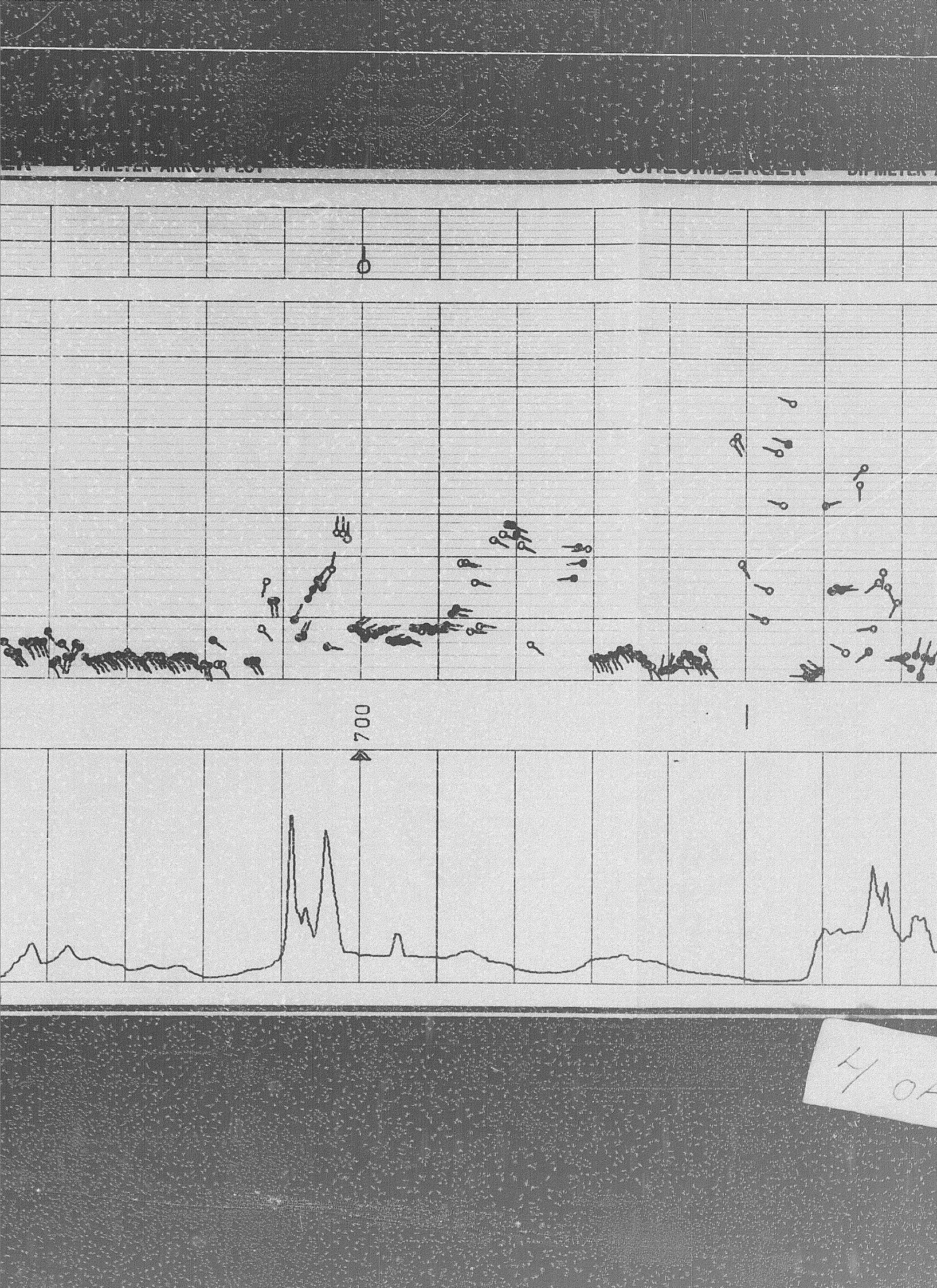
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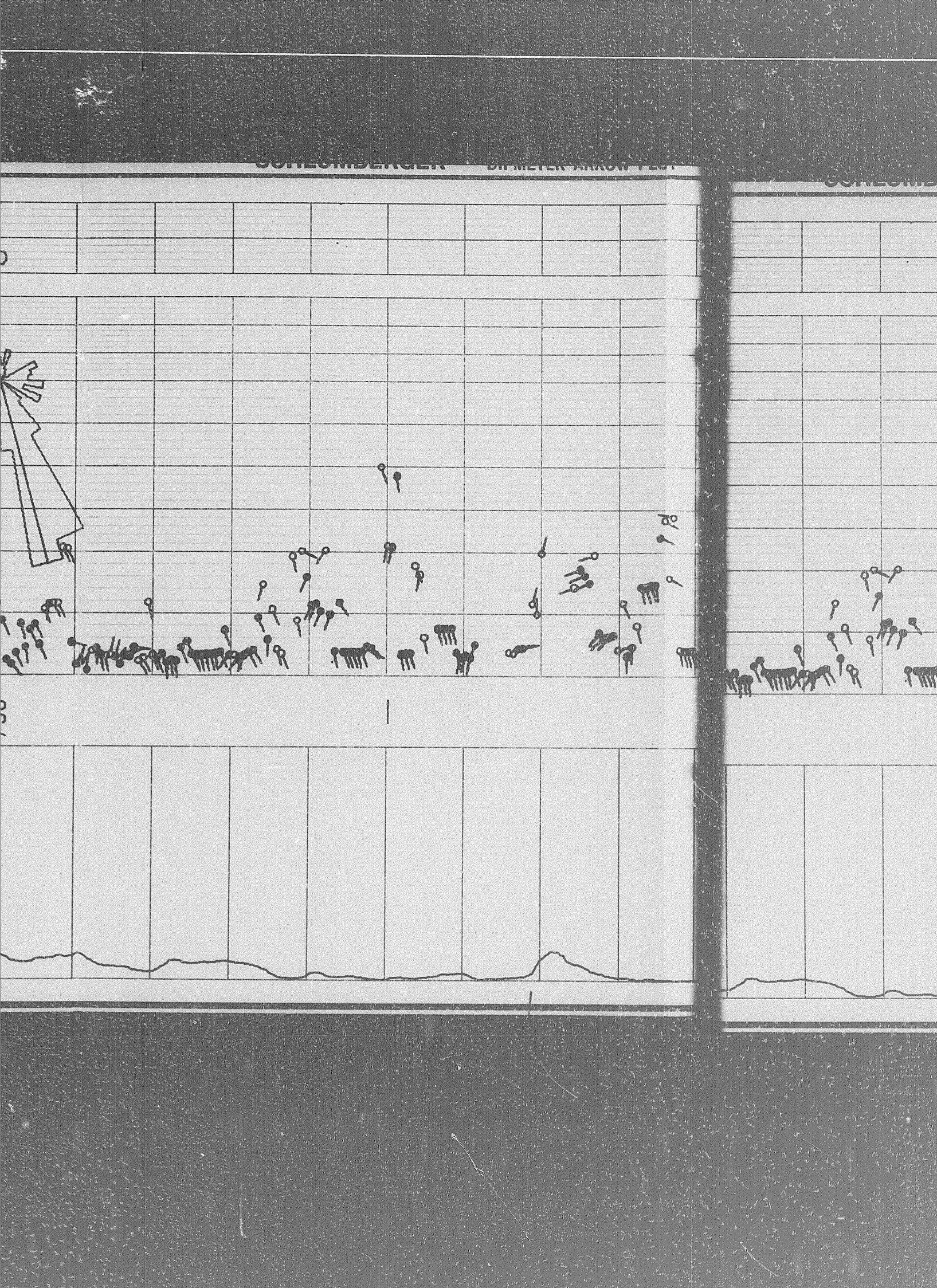

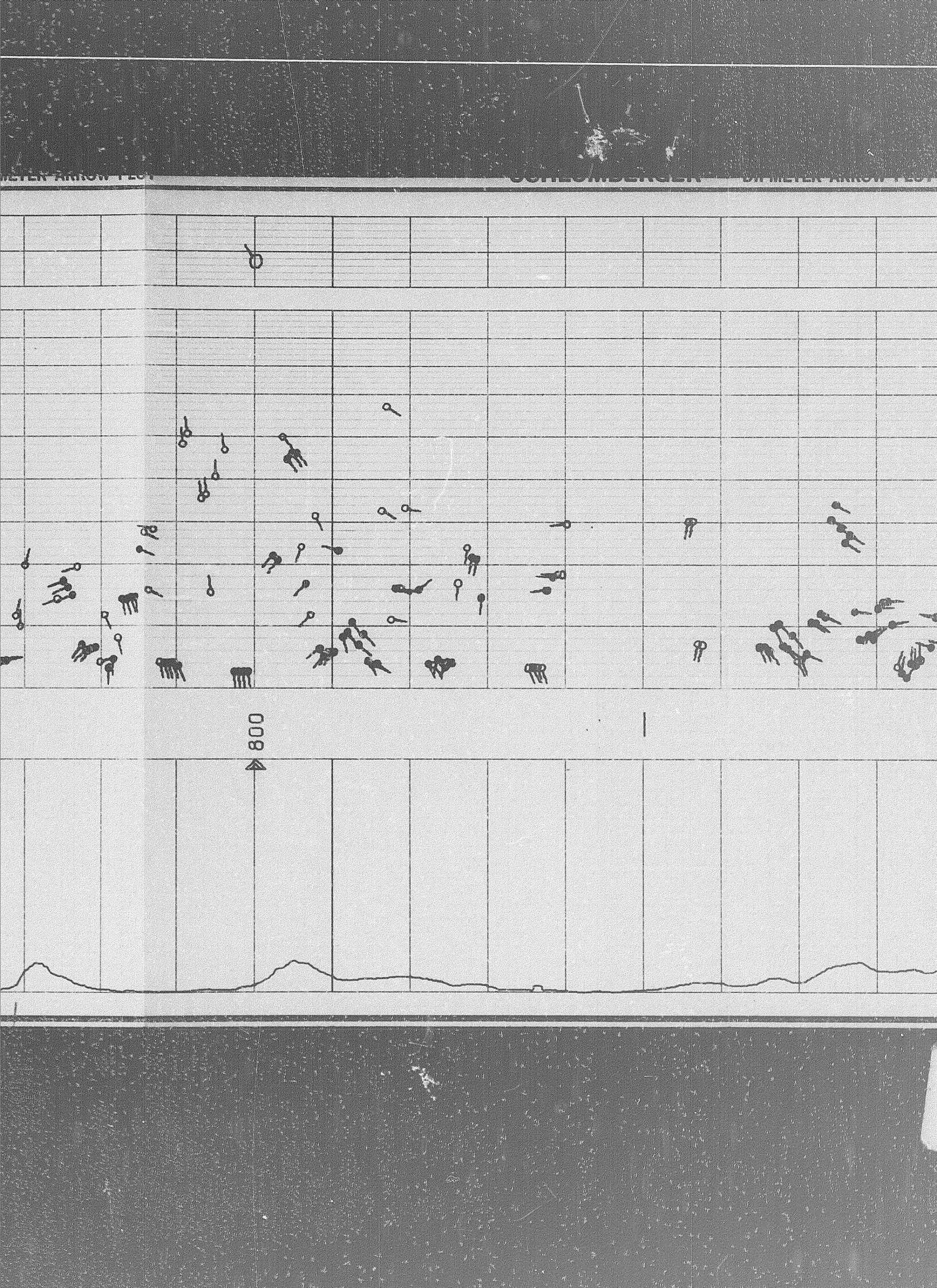
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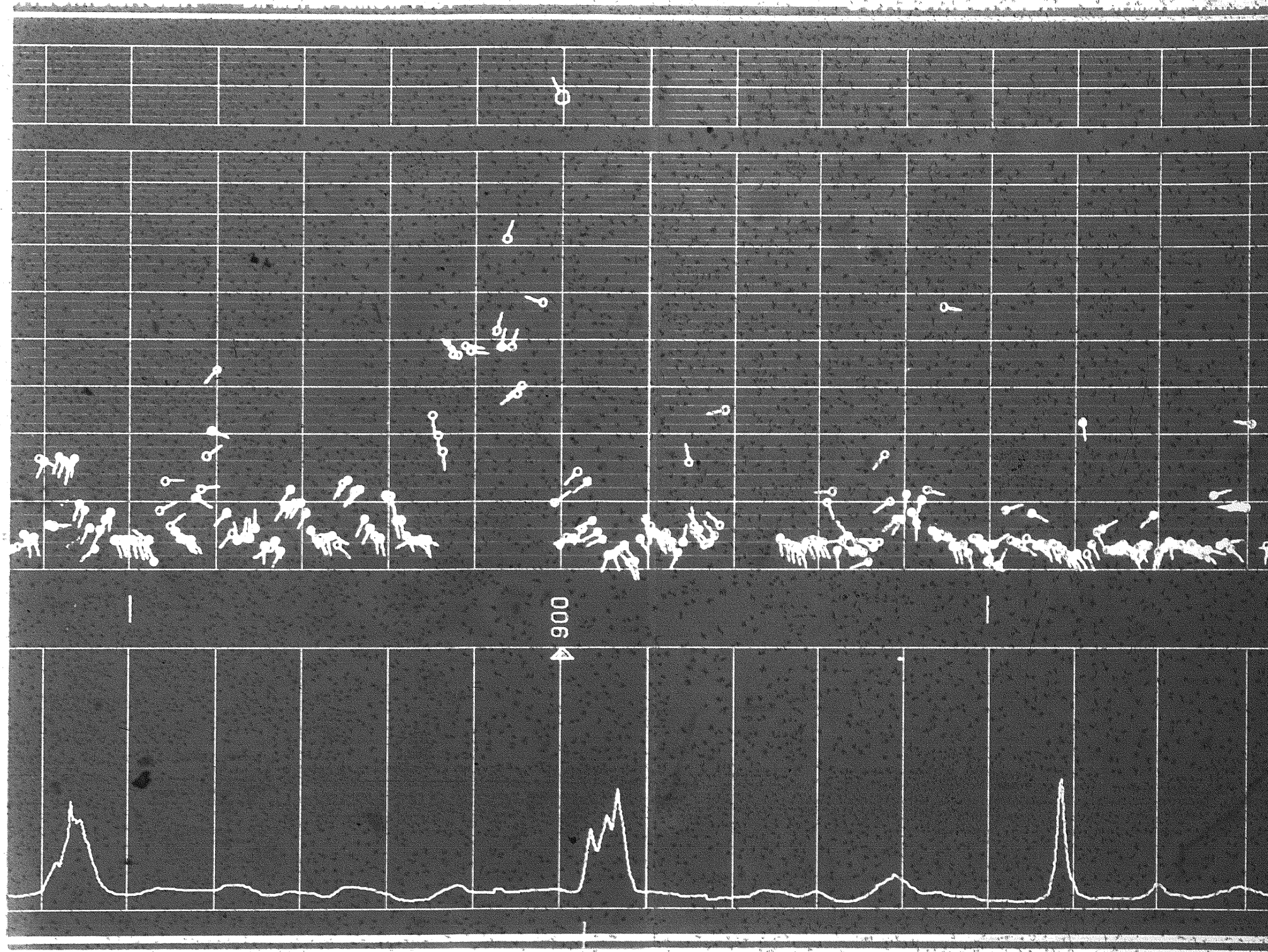
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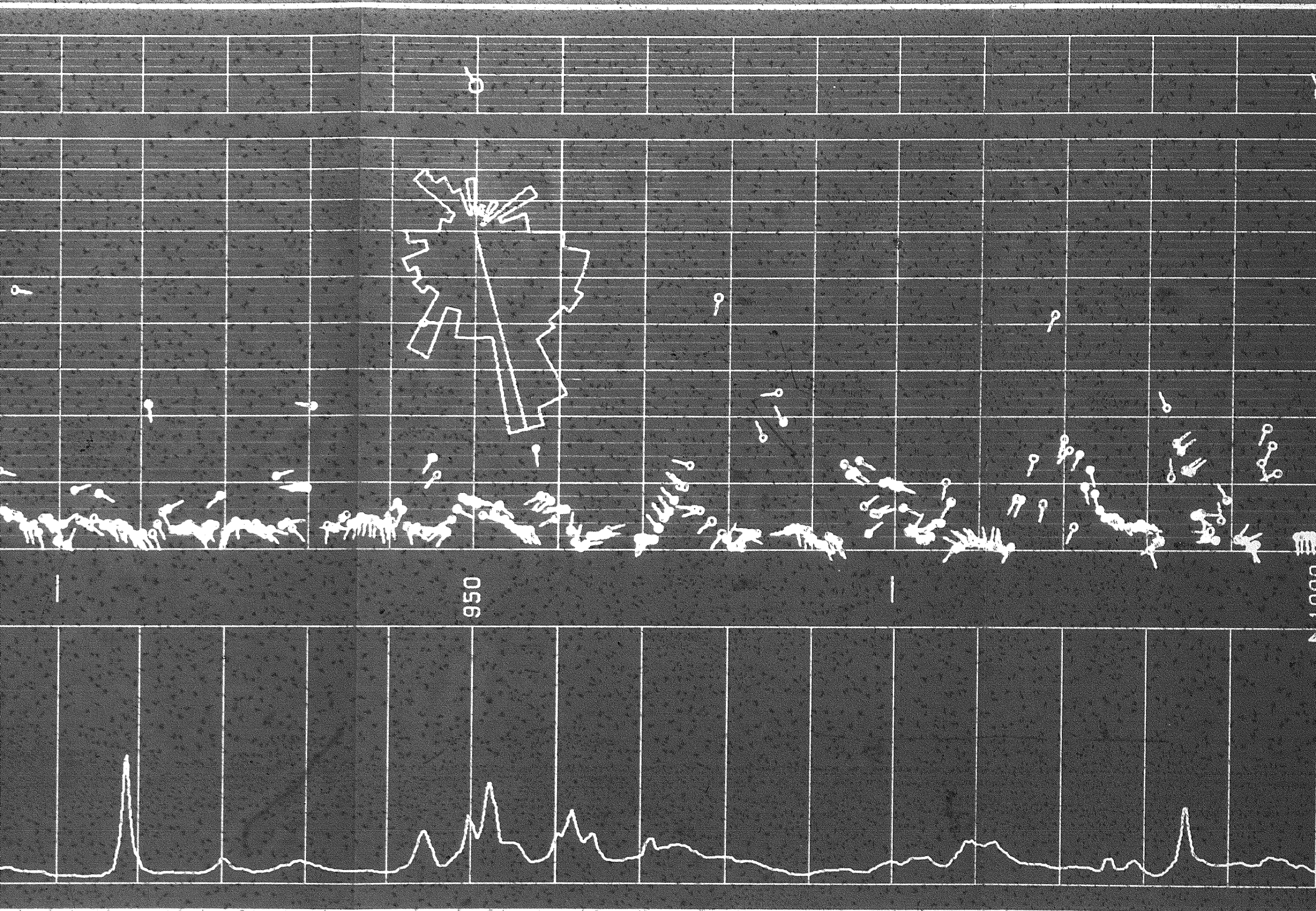
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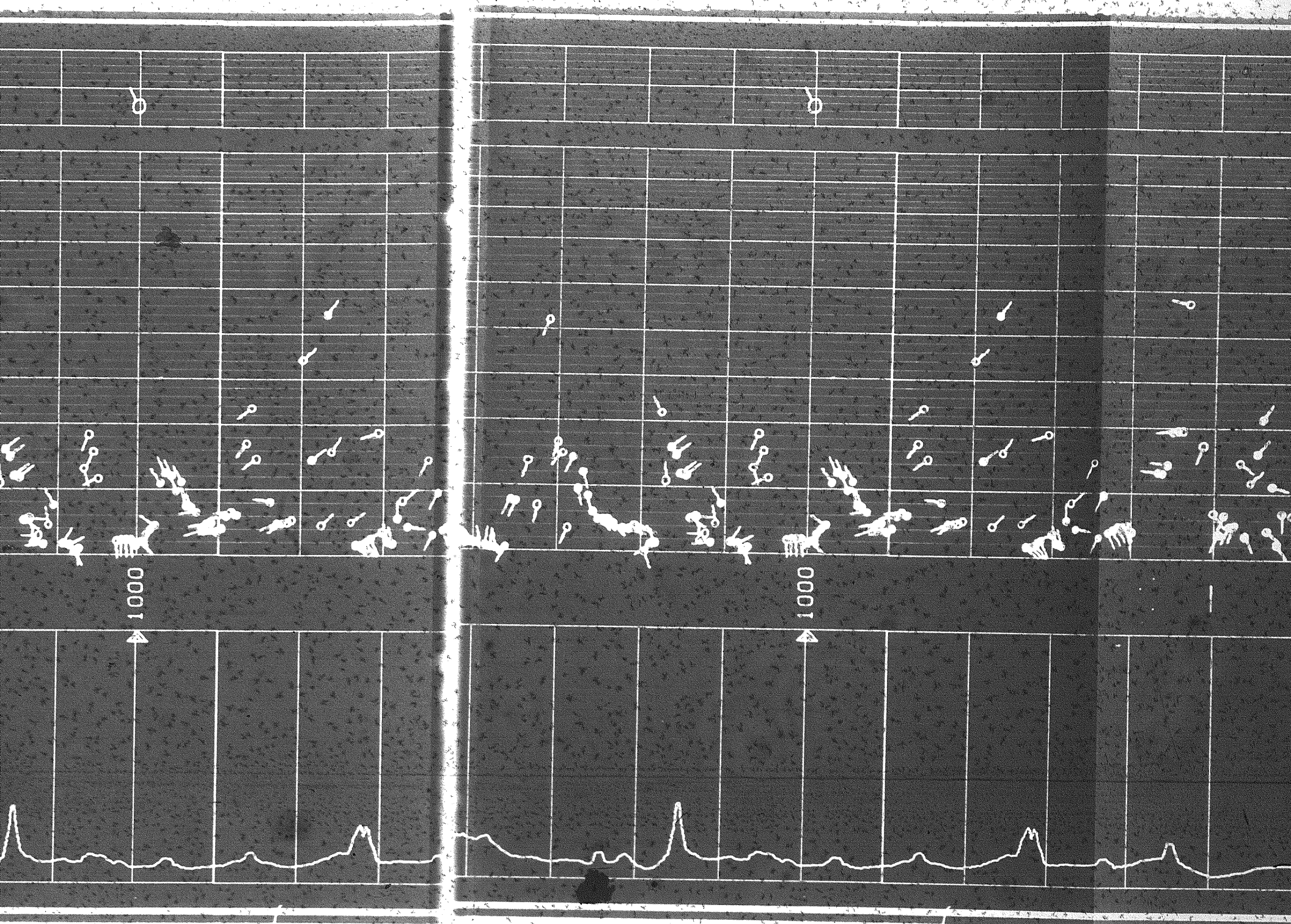
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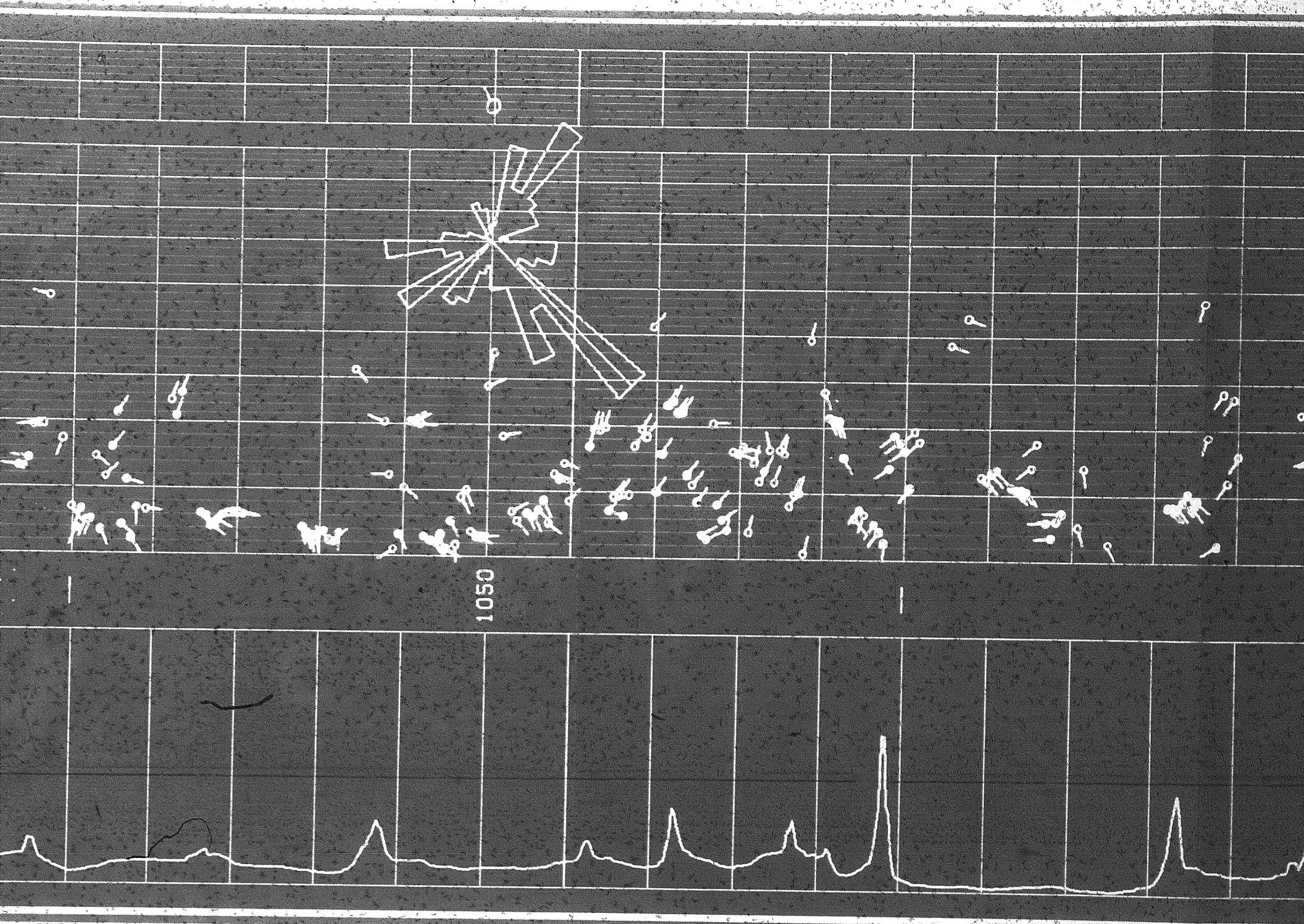
1000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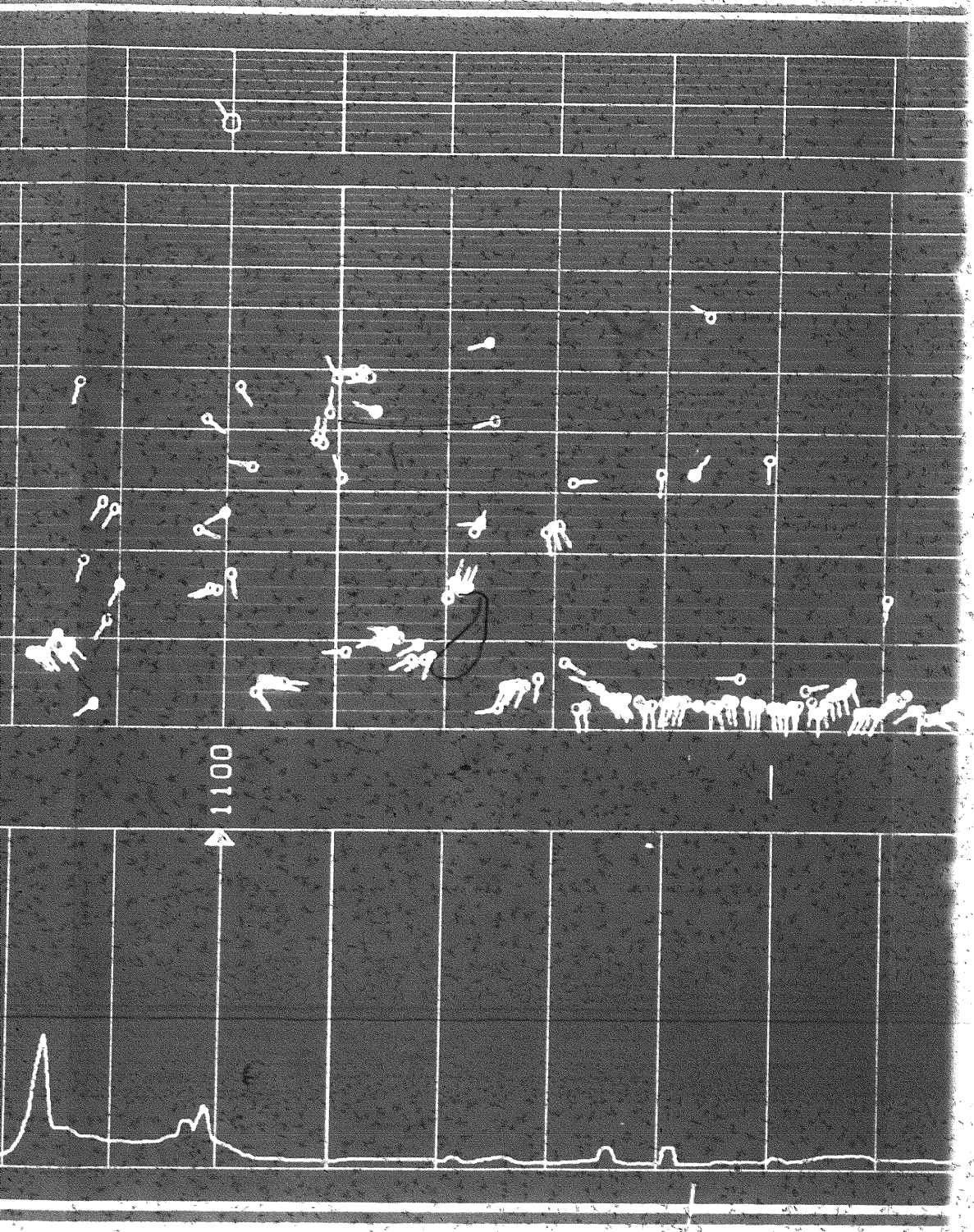
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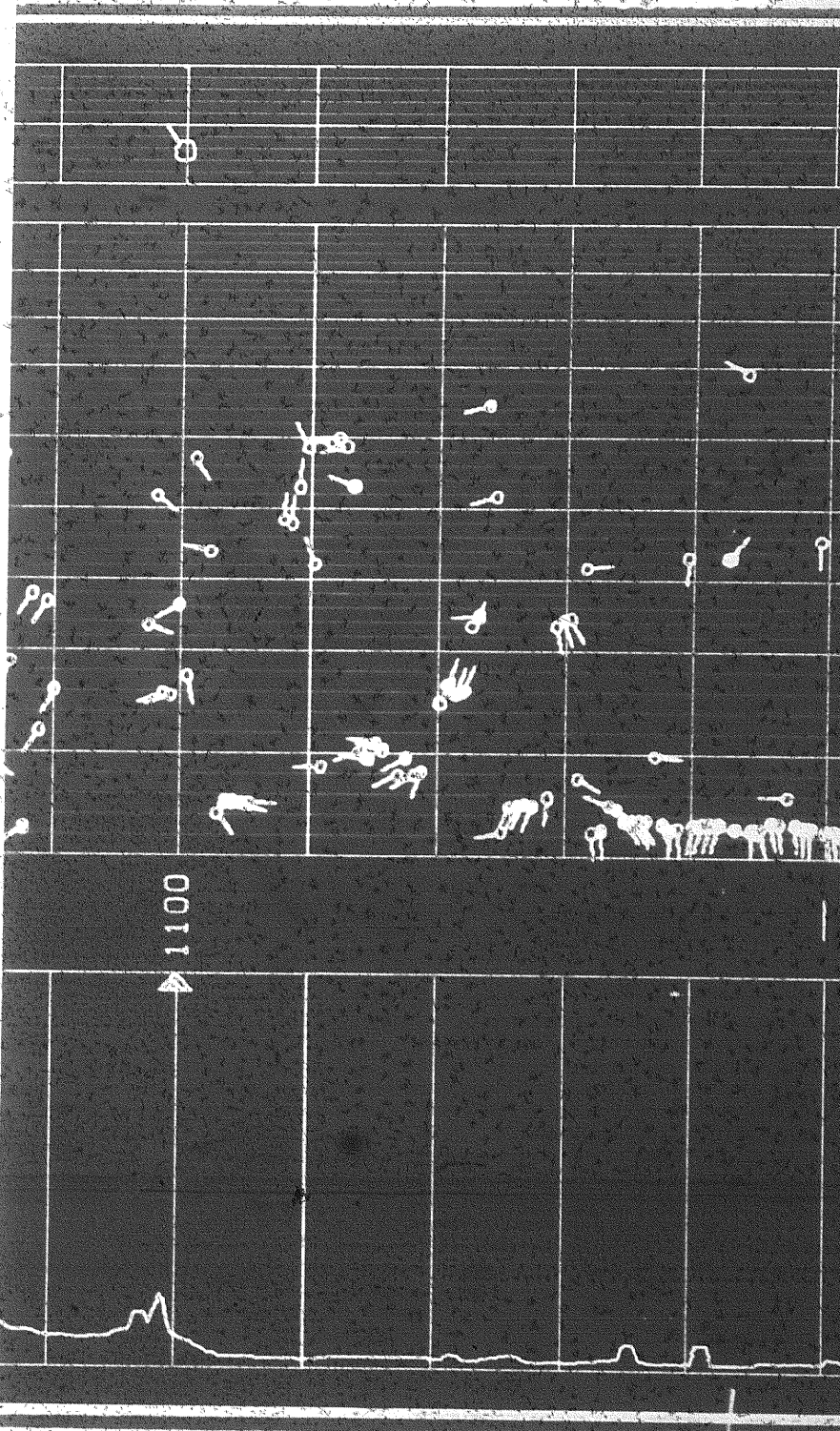
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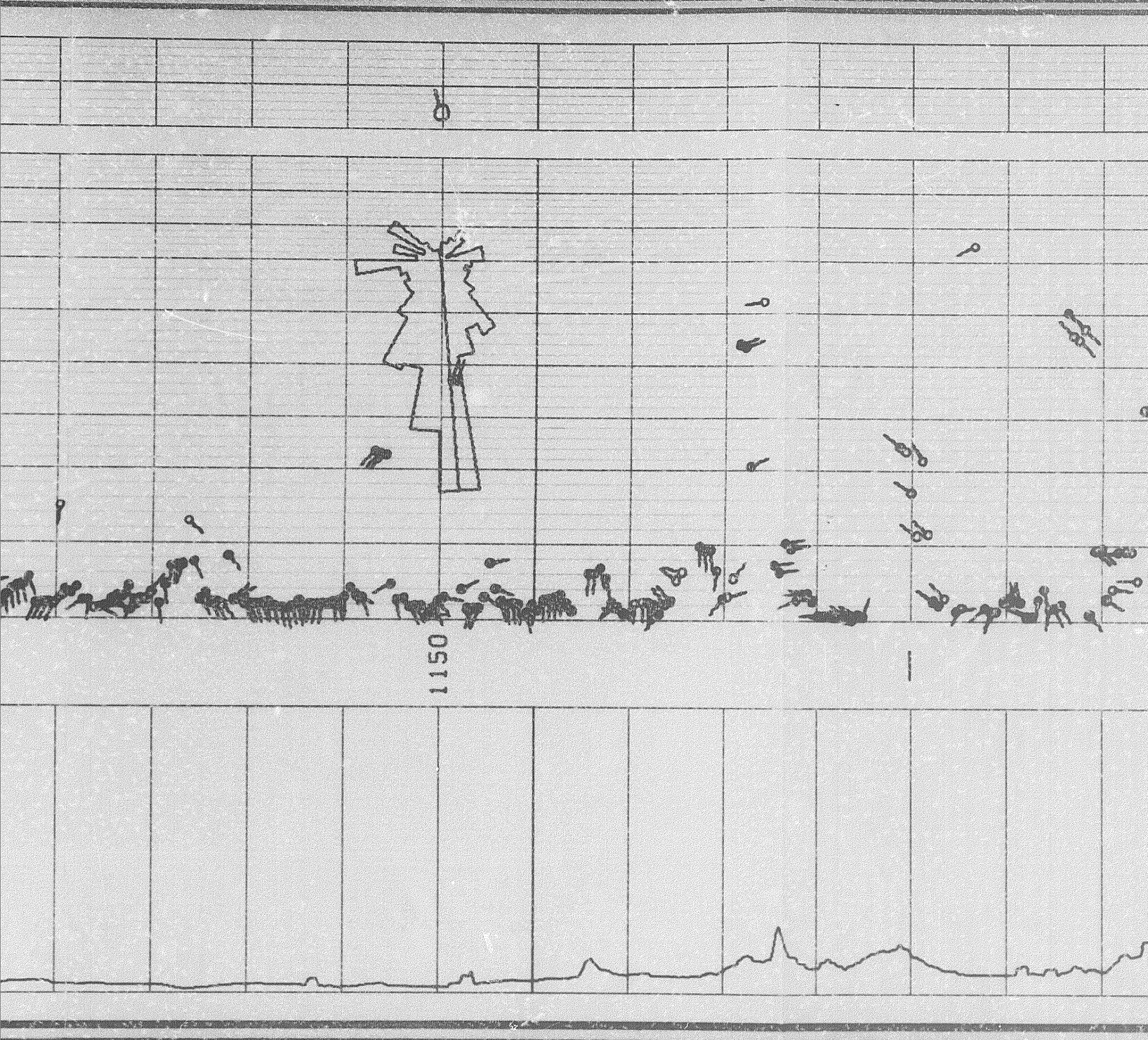

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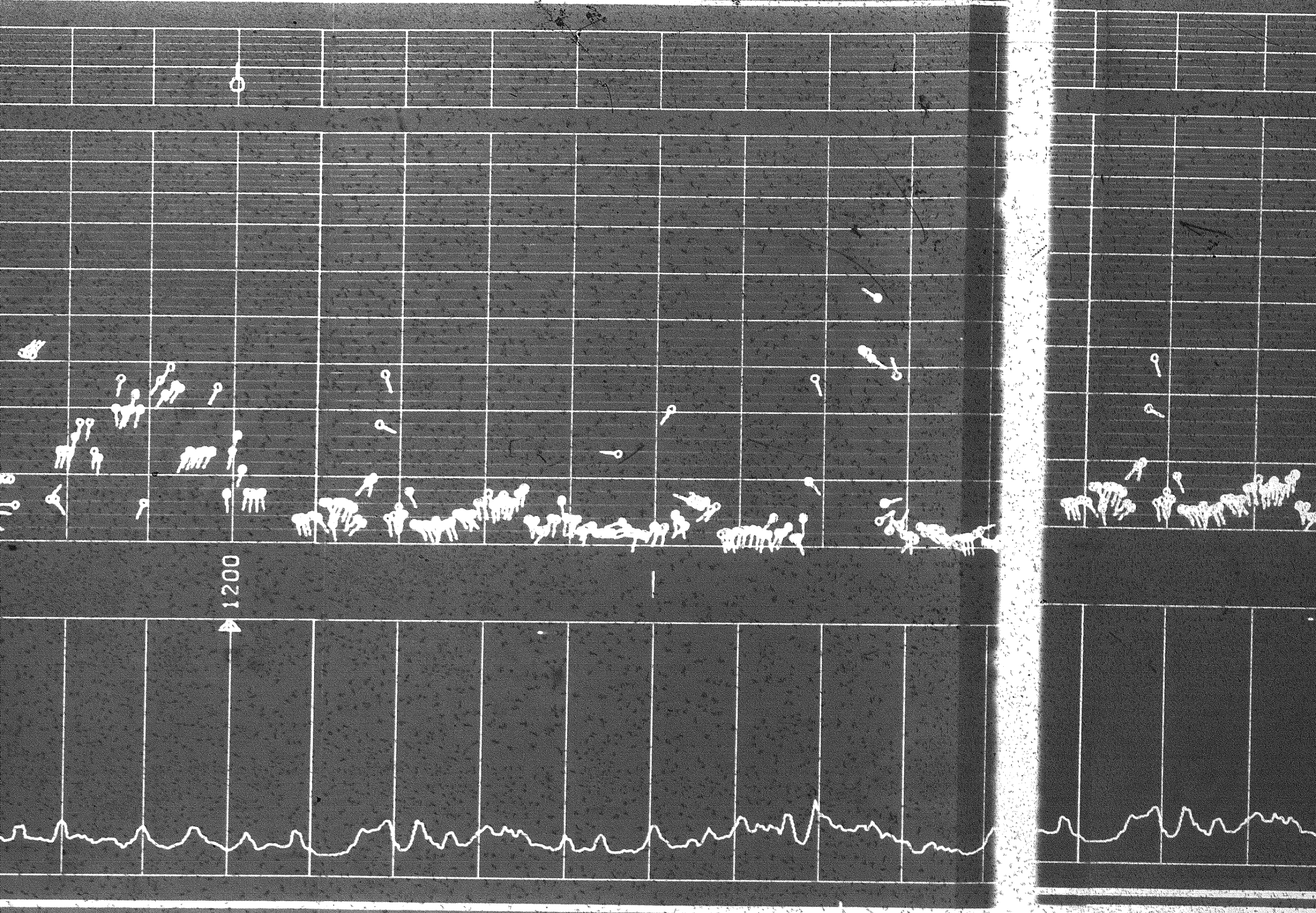
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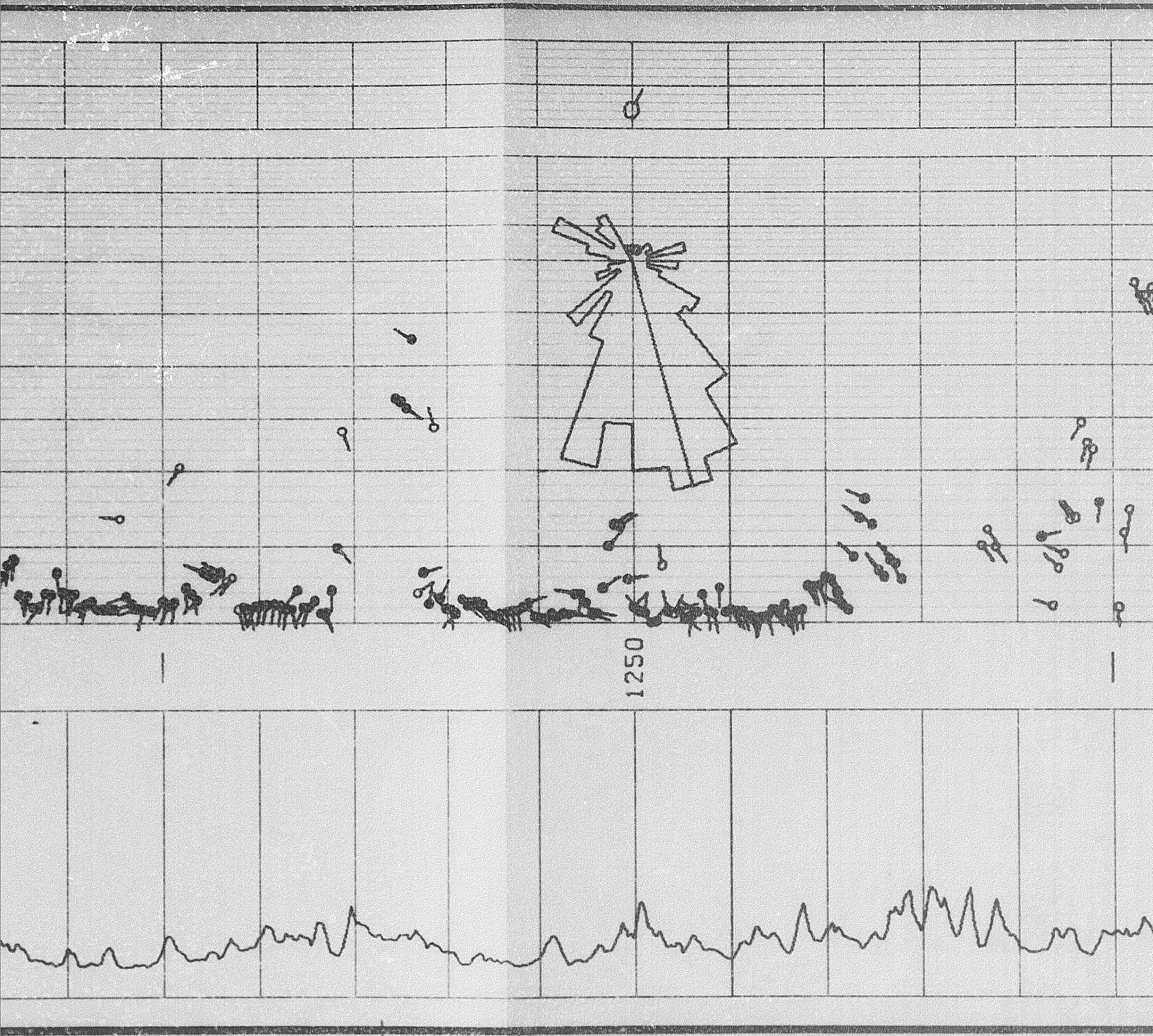
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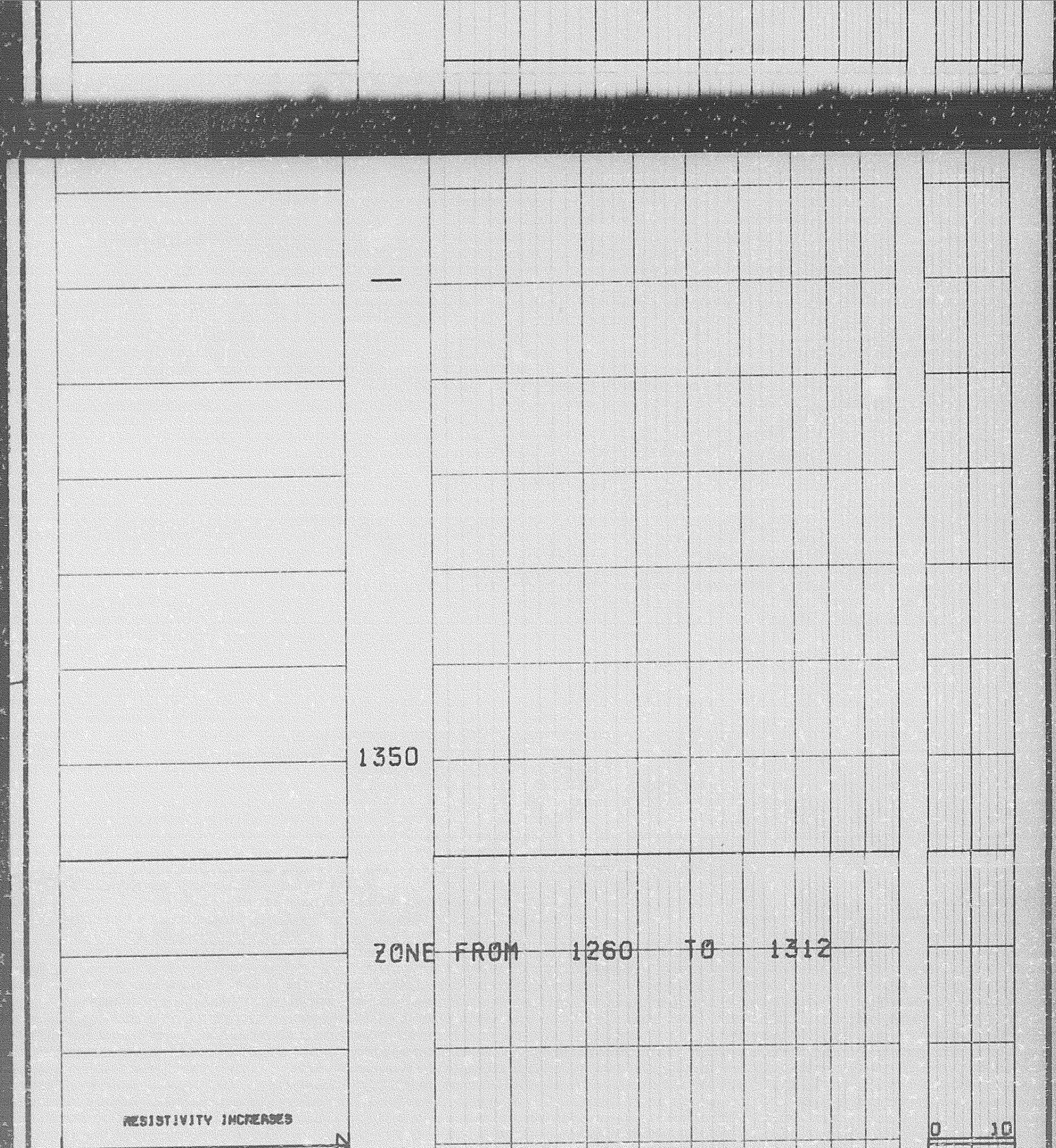
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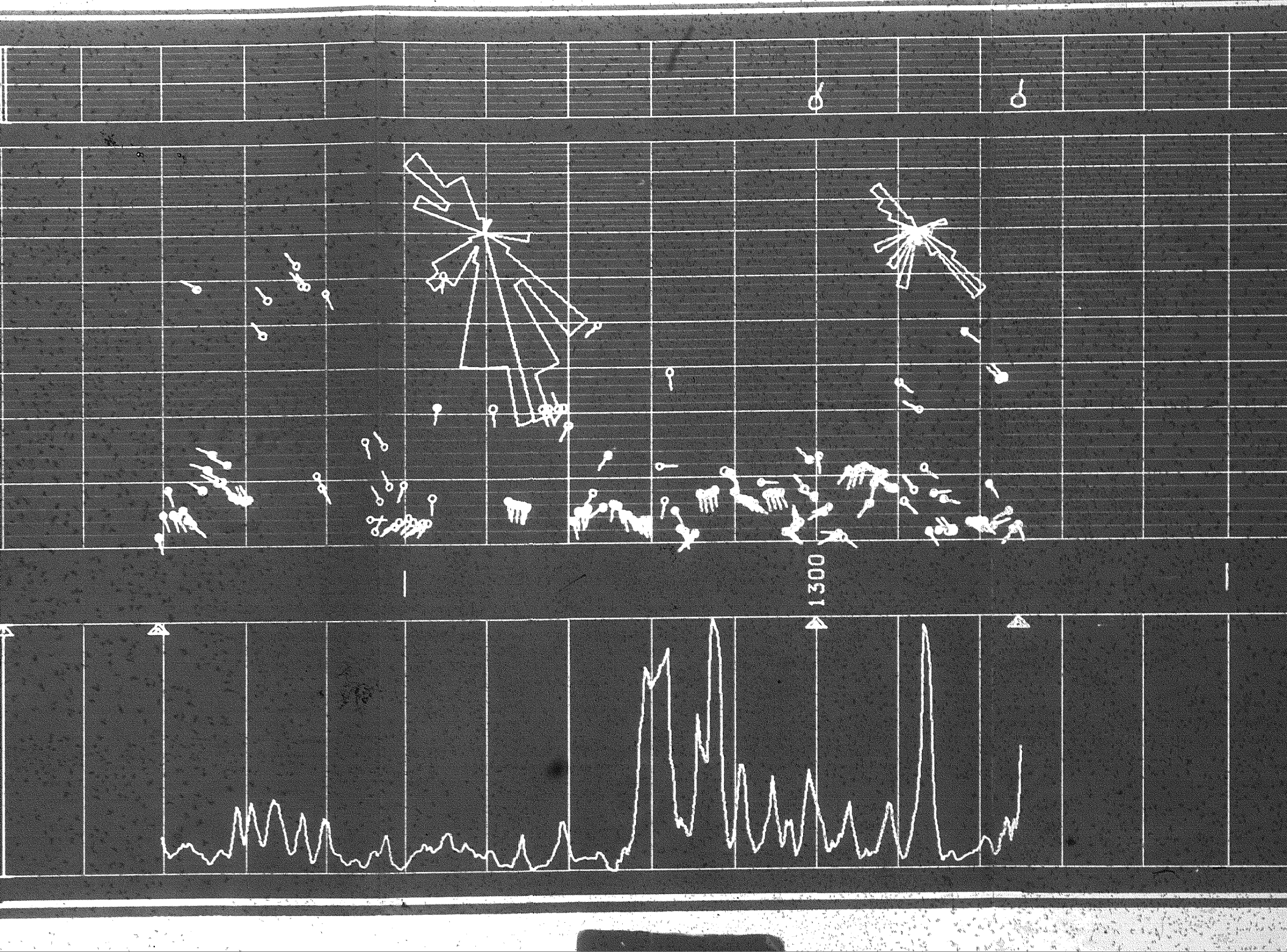
ZONE FROM 1260 TO 1312
RESISTIVITY INCREASES
0 10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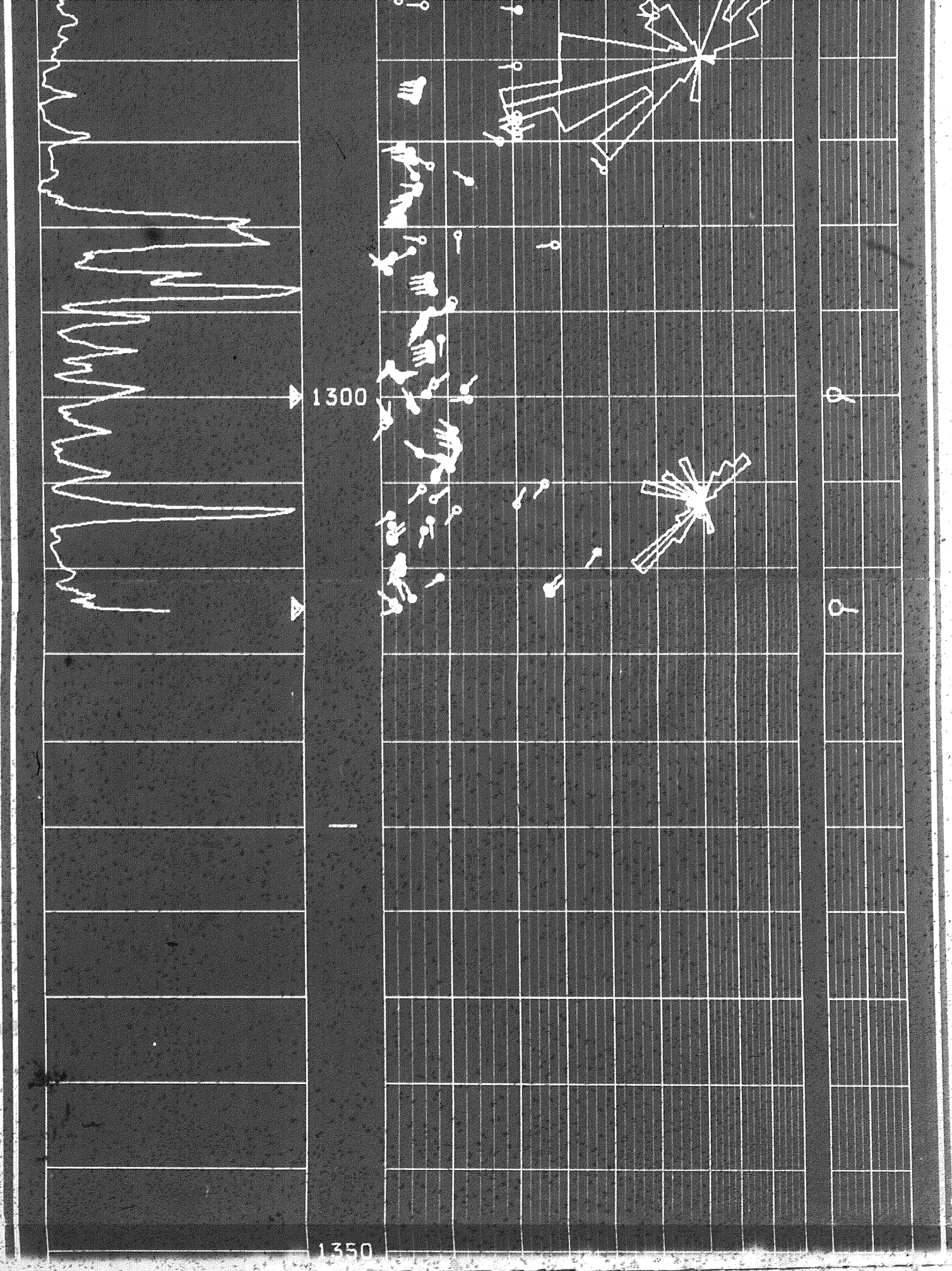
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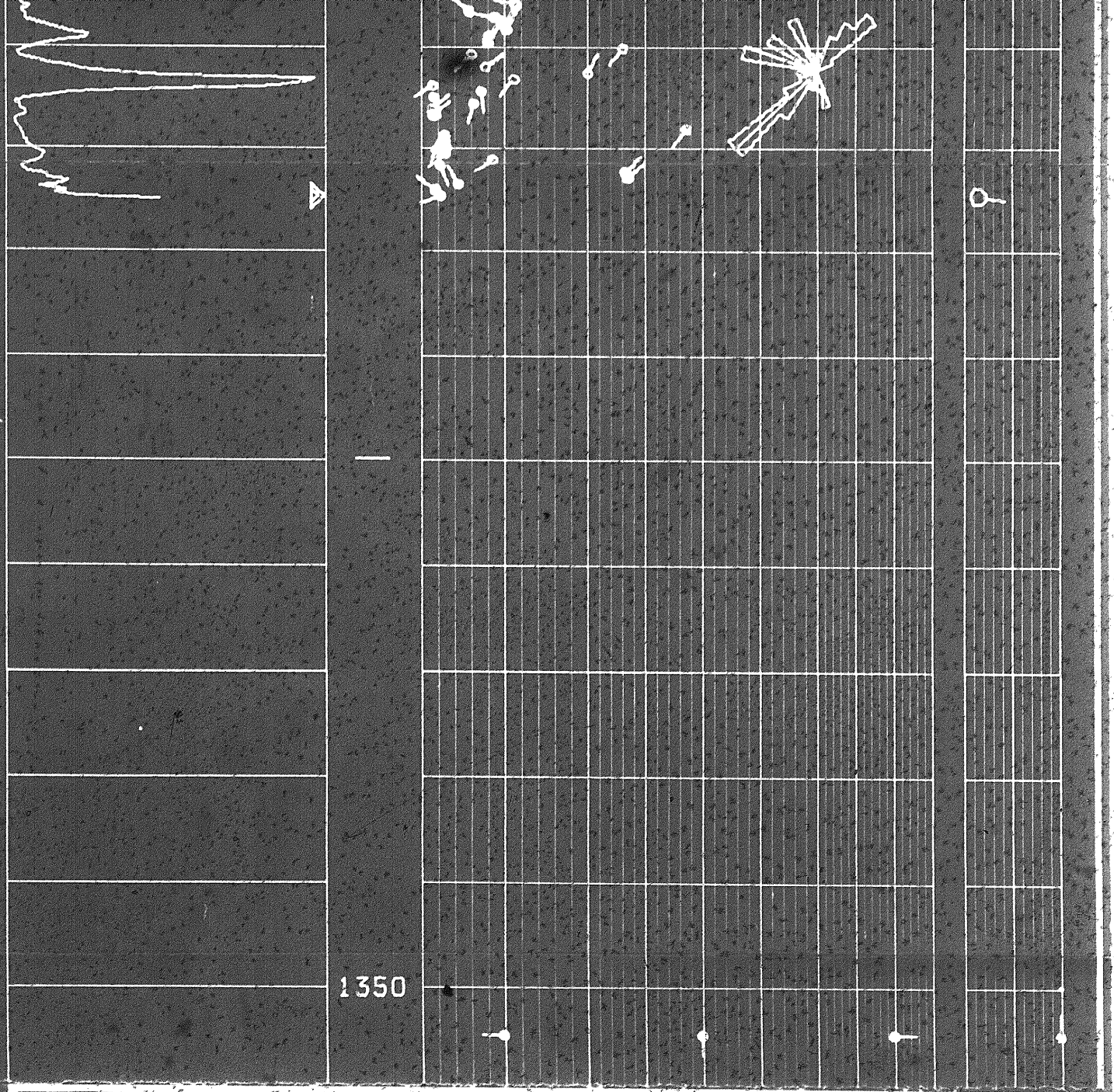
ZONE FROM 1260 0 1312

RESISTIVITY INCREASES

0 10

1300



CORRELATION CURVE	DEPTHS	0° 10° 20° 30° 40° 50° 60° 70° 80° 90° TRUE DIP ANGLE AND DIRECTION	0° DRIFT & DIRECTION OF SONDE

COMPANY AQUITAINE COMPANY OF CANADA LTD

WELL AQUIT ALDER YT C-33

FIELD WILDCAT PROVINCE YUKON TERRITORY

Schlumberger

X781