

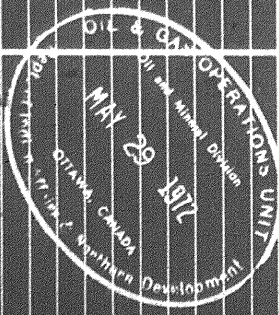
FOUR - ARM
HIGH RESOLUTION
CONTINUOUS DIPMETER
COMPUTED

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
Drilling Measured From
Other Services: SLC-GR, C.S.M.T.
ELEV. KB 3025.0
GL 3008.4
CBF

WELL FILE

Date	26 FEB 72	22 MAR 72
Run No.	ONE	TWO
Depth Driller	4900	8720
Depth Logger	4890	8722
Btm. Log Interval	4879	8715
Top Log Interval	990	4900
Casing Driller	390	4900
Casing Logger	12 1/4"	4900
Bit Size	12 1/4"	8 3/4"
Type Fluid in Hole	RHKS	RHKS
Dens.	8.7	4.0
Visc.	8.0	28.5
pH		
Source of Sample		
Rim @ Meas. Temp.	@ 9F	@ 9F
Rim @ Meas. Temp.	@ 9F	@ 9F
Rimc @ Meas. Temp.	@ 9F	@ 9F
Source: Rim	@ 9F	@ 9F
Rim @ BHT	@ 9F	@ 9F
Time Since Circ.	98"	24 HRS
Max. Rec. Temp.	HDT-D	HDT-C
Equipment	OSU-C-307	OSU-C-307
Truck No.	RENOTE	RENOTE
Location	STUEMER	STUEMER
Recorded By	TIFFIN	TIFFIN
Witnessed By		



FOLD HERE 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
ONE	HDT-D	D741	C743	C752	D755		772	EMR 6050			
TWO	HDT-C	D753	C743	C752	D839		771	EMR 6050			

REMARKS RUN 1 TYPE FLUID IN HOLE 1st Run Service Order # 7701
FORMATION WATER & DRILL WATER Magnetic Declination 34° E
HOLE DRILLED WITH STIFF FOAM AND AIR
HOLE DEVIATED 9 1/2" + HOLE CORK SCREWED AS PER EARLIER DIRECTIONAL SURVEY (NOT SOC).
HOLE DRILLED WITH AIR AND STIFF FOAM - AFTER RUNNING DIL IT APPEARED THAT SEEPING FORMATION WATER WAS AT 1900' THEN HOLE FILLED WITH DRILL WATER FOR SONIC & HDT

"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 / L DISTANCES AND ANGLES OF DIP

DIP ANGLES (degrees)	VERTICAL DISPLACEMENT FOR HORIZONTAL DISTANCES OF			DIP ANGLES (degrees)	VERTICAL DISPLACEMENT FOR HORIZONTAL DISTANCES OF		
	100'	1000'	1 mile (5280')		100'	1000'	1 mile (5280')
1	1.75	17.5	92.2	19	34.4	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.
6	10.5	105.	555.	24	44.5	445.	2351.

VERTICAL DISPLACEMENT
FOR HORIZONTAL DISTANCES
OF

DIP ANGLES (degrees)	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

VERTICAL DISPLACEMENT
FOR HORIZONTAL DISTANCES
OF

DIP ANGLES (degrees)	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
26	57.7	577	3048
27	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 $28.7 \times 6.60 = 189.42$, or 189. feet.



GRAPHIC PRESENTATION

CORRELATION FATING

- GOOD
- FAIR
- ✕ POOR

DEPTHS

TRUE DIP ANGLE

DRIFT &
TRUE DRIFT
DIRECTION
OF SONDE

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

0

1000

1100

1200

2659F33 1055SH



10

1200

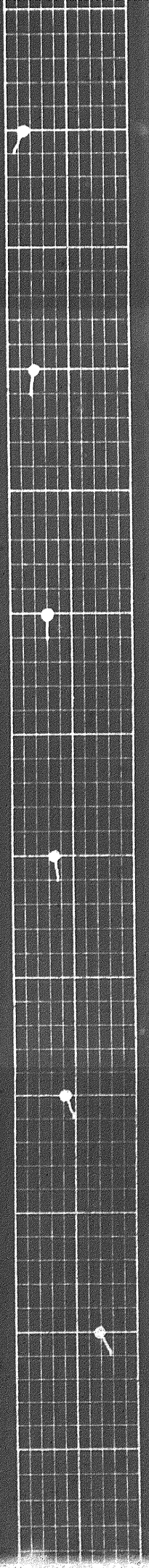
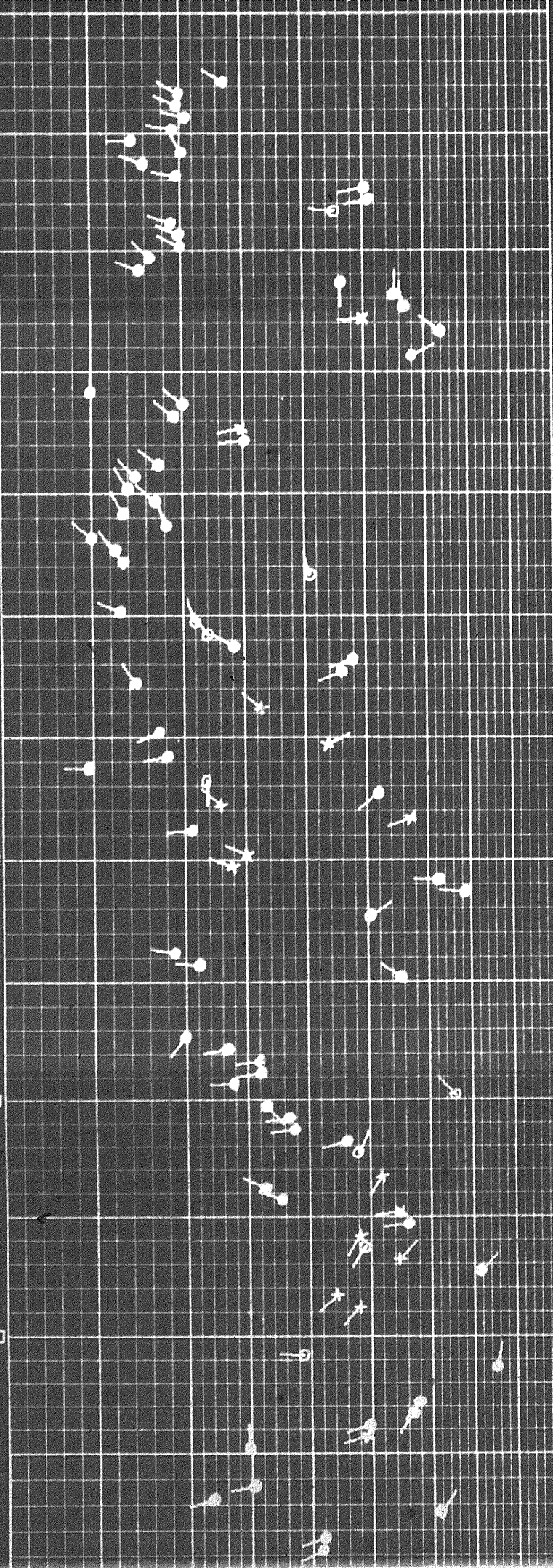
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1400

1500

1600

1700



1400

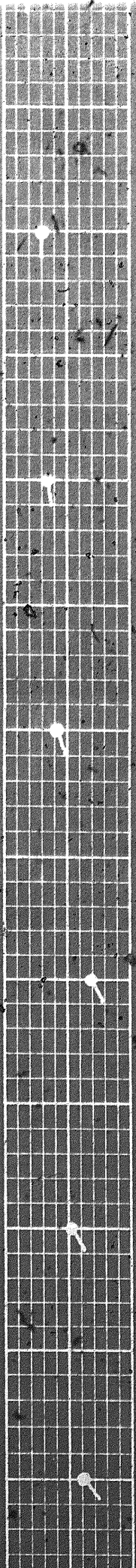
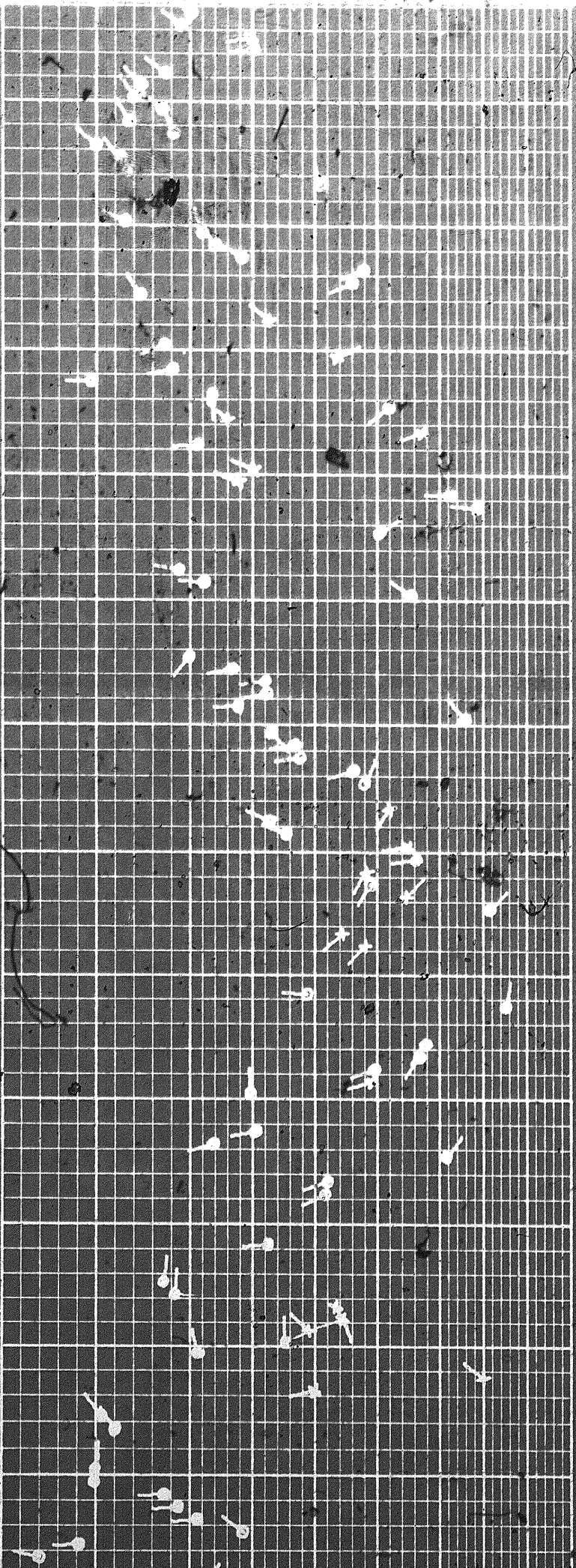
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1600

1700

1800

1900



2000

2100

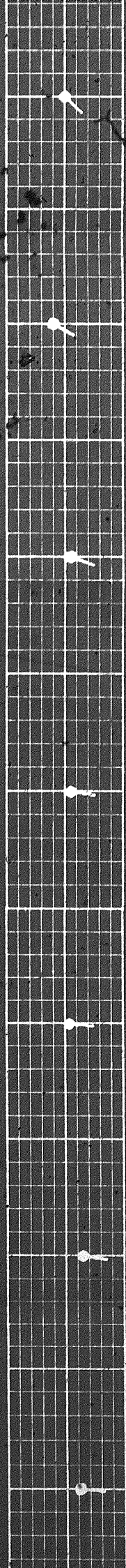
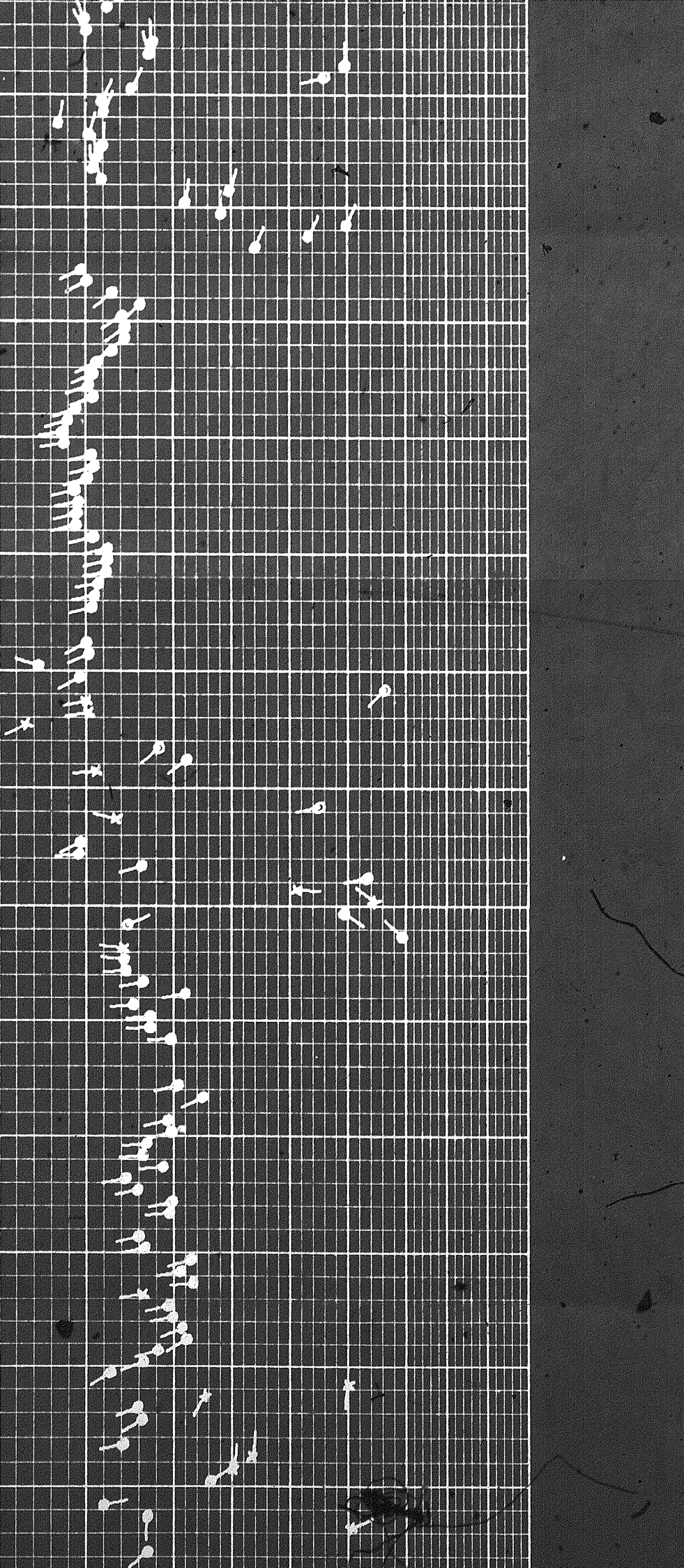
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2500

2600



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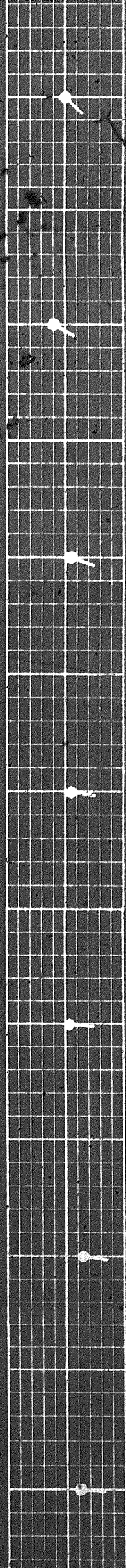
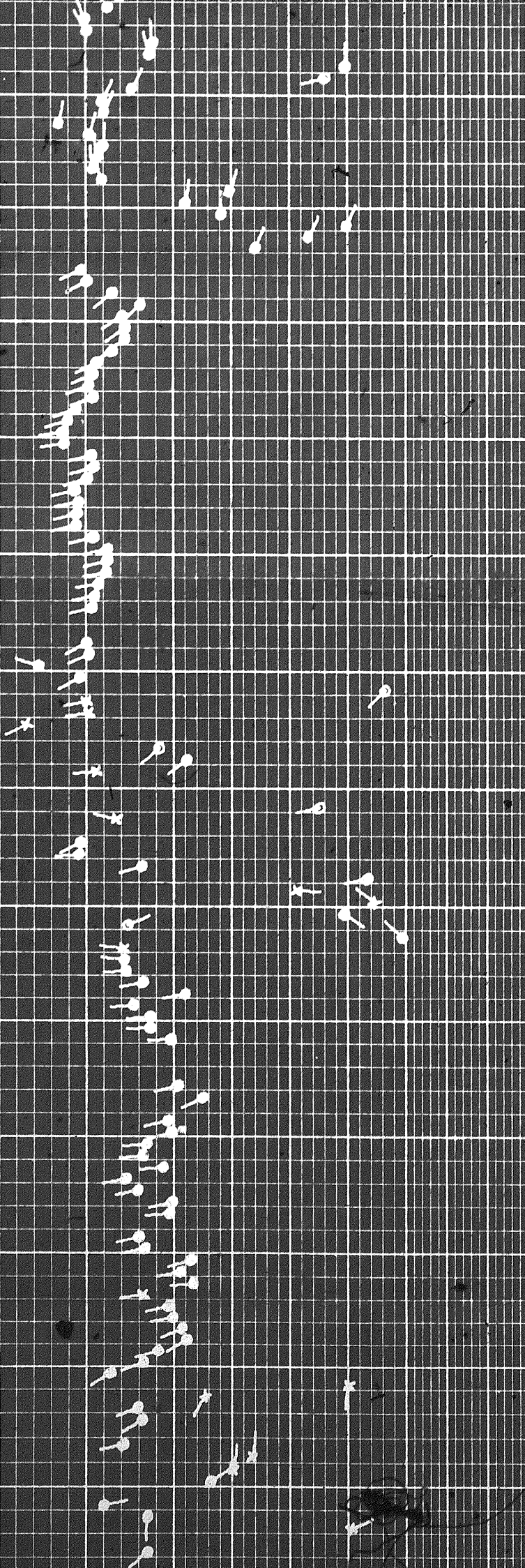
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2400

2500

2600



2600

2700

2800

2900

3000

3100

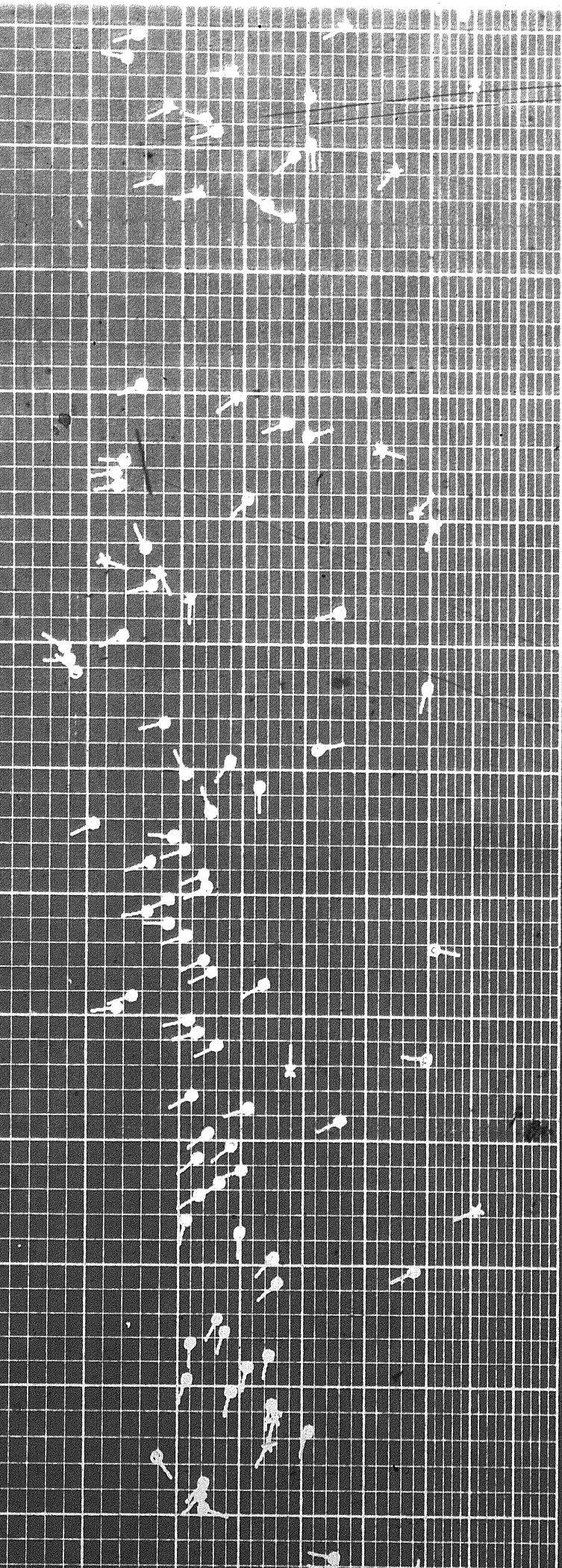
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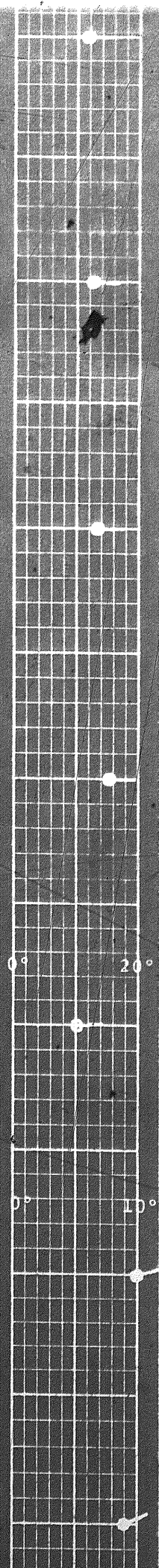
0° 20°

2700

2700
2800
2900
3000
3100
3200
3300



2659F10 10555H



3300

3400

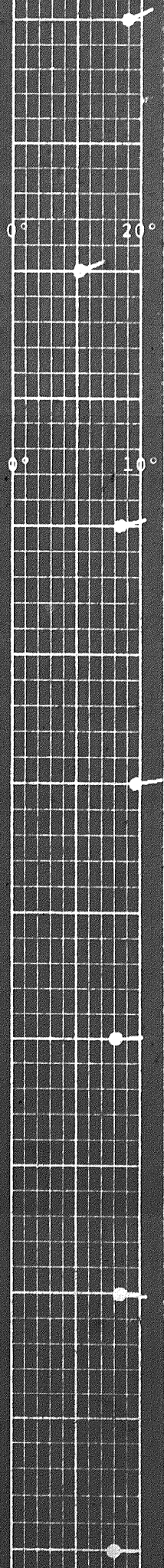
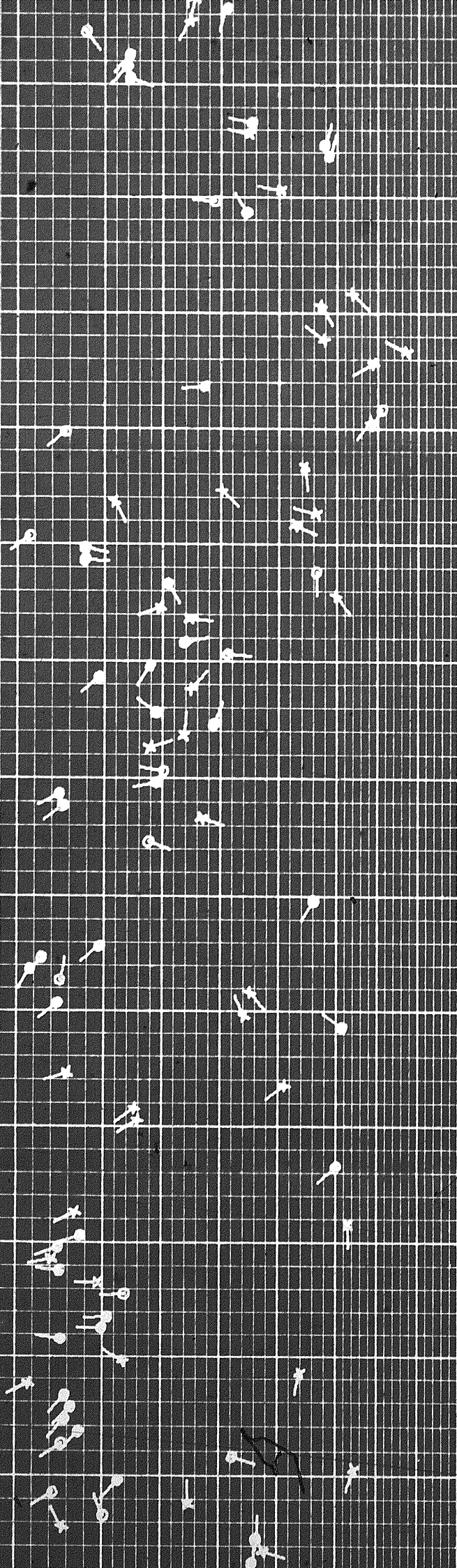
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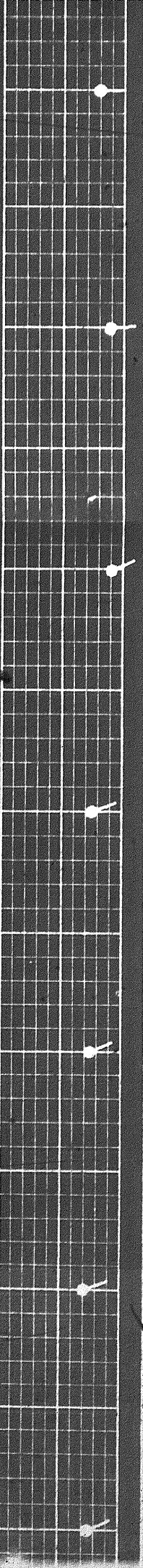
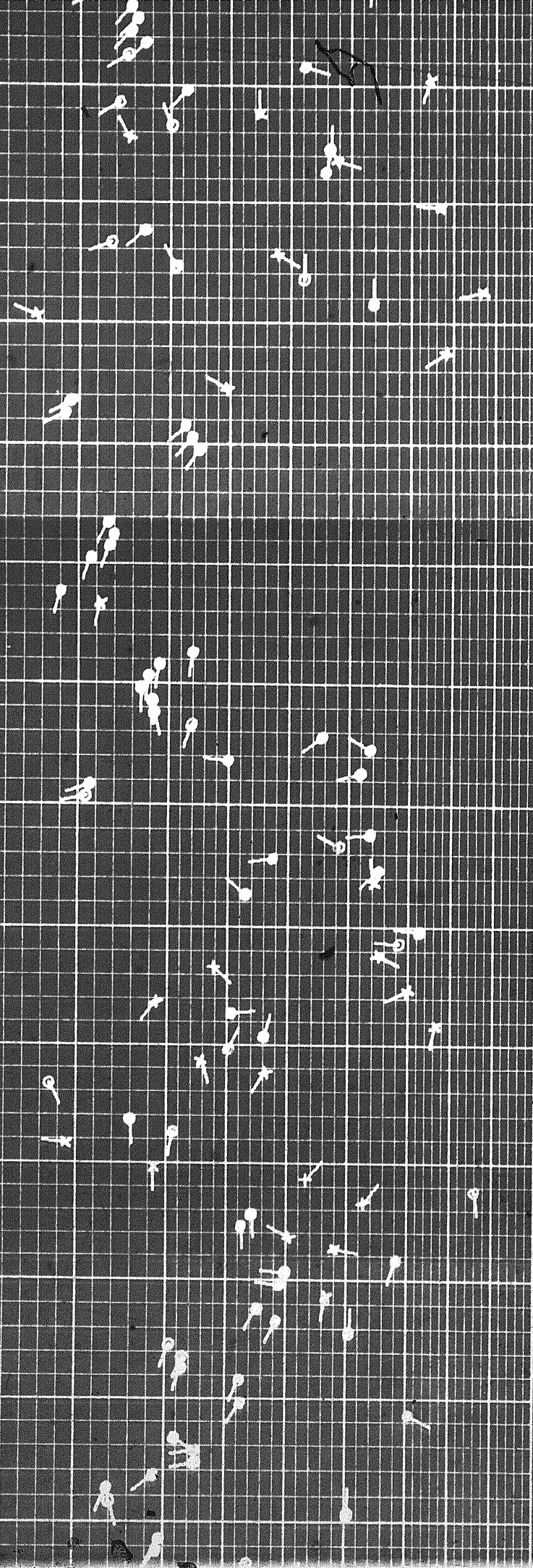
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4400
4500



4200

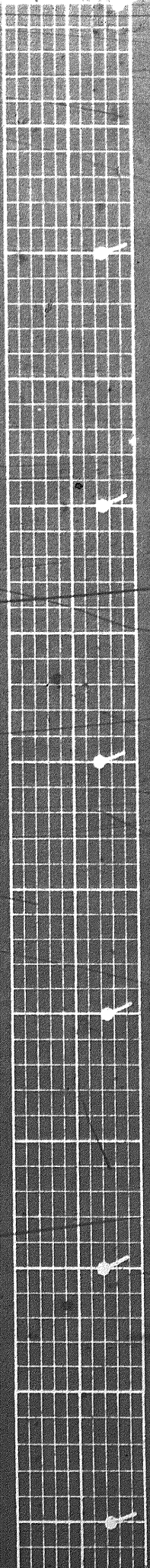
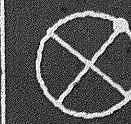
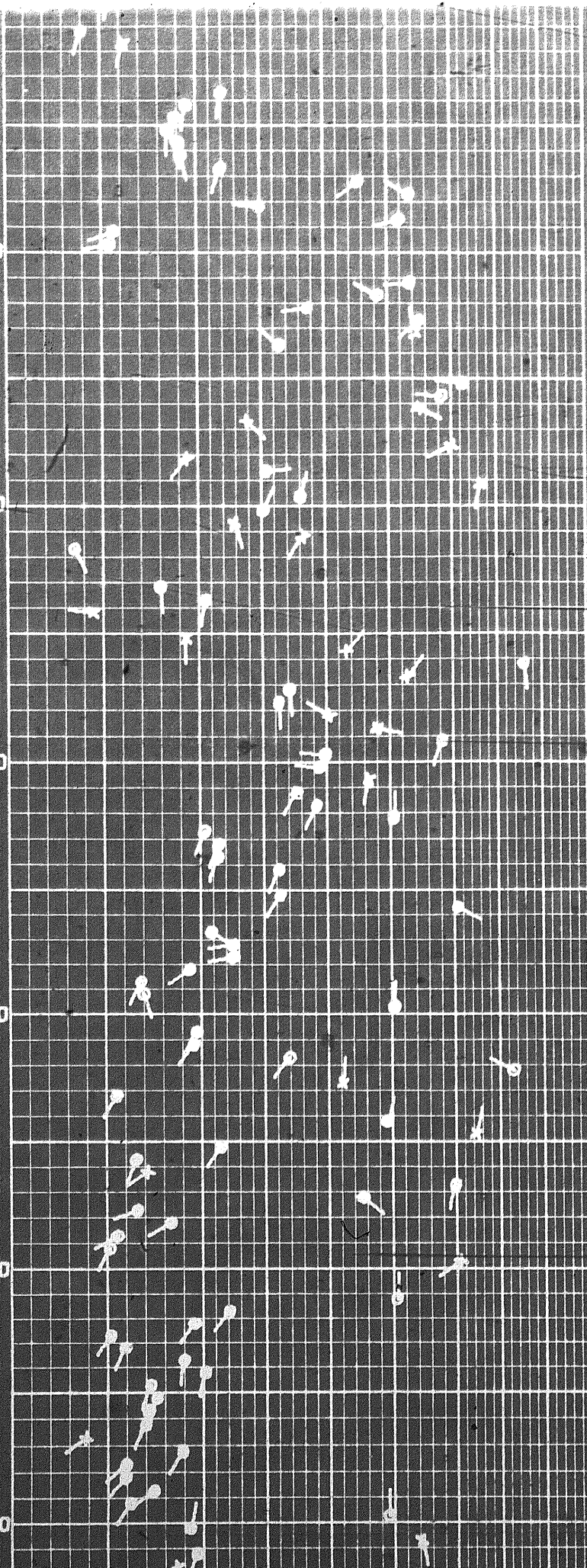
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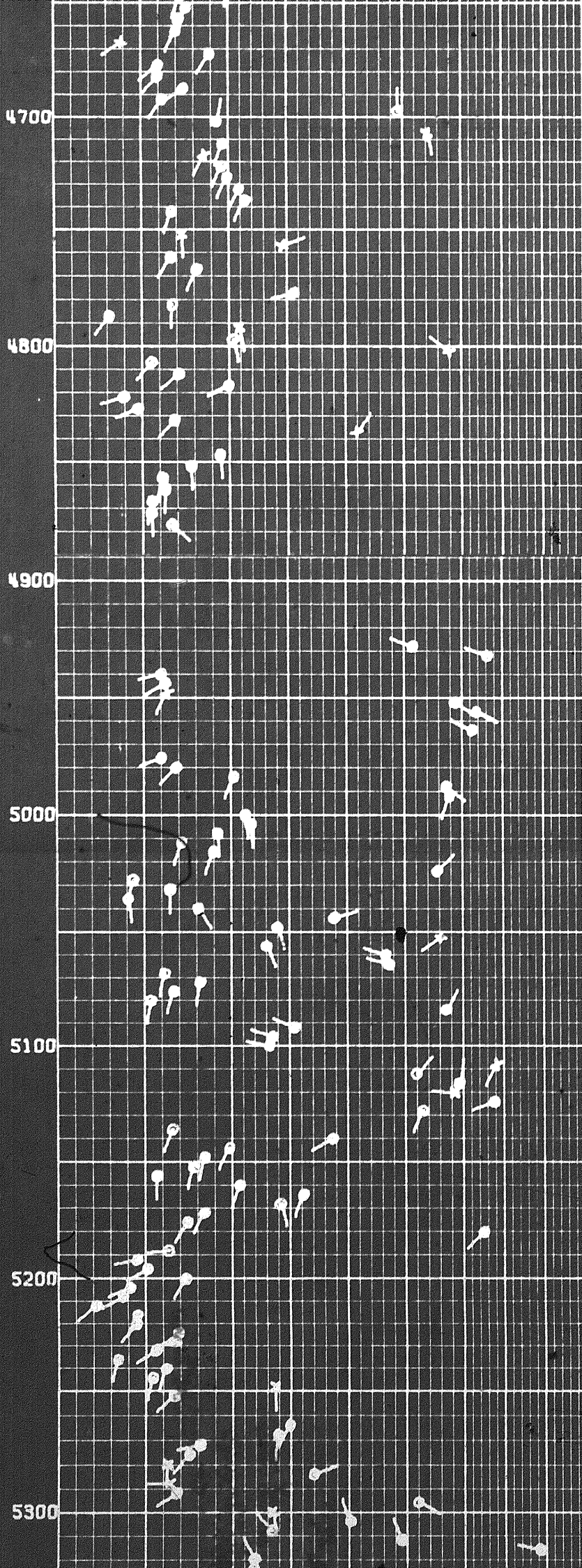
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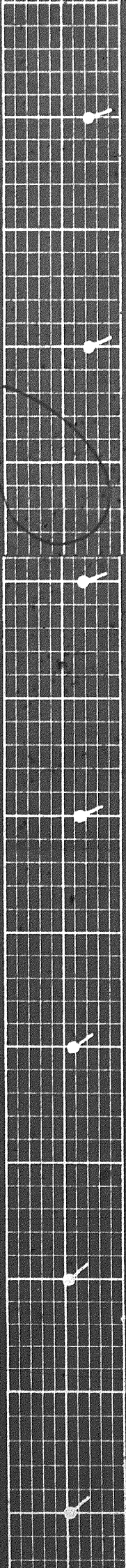
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2692F4 B460H

Run 1 → ← Run 2



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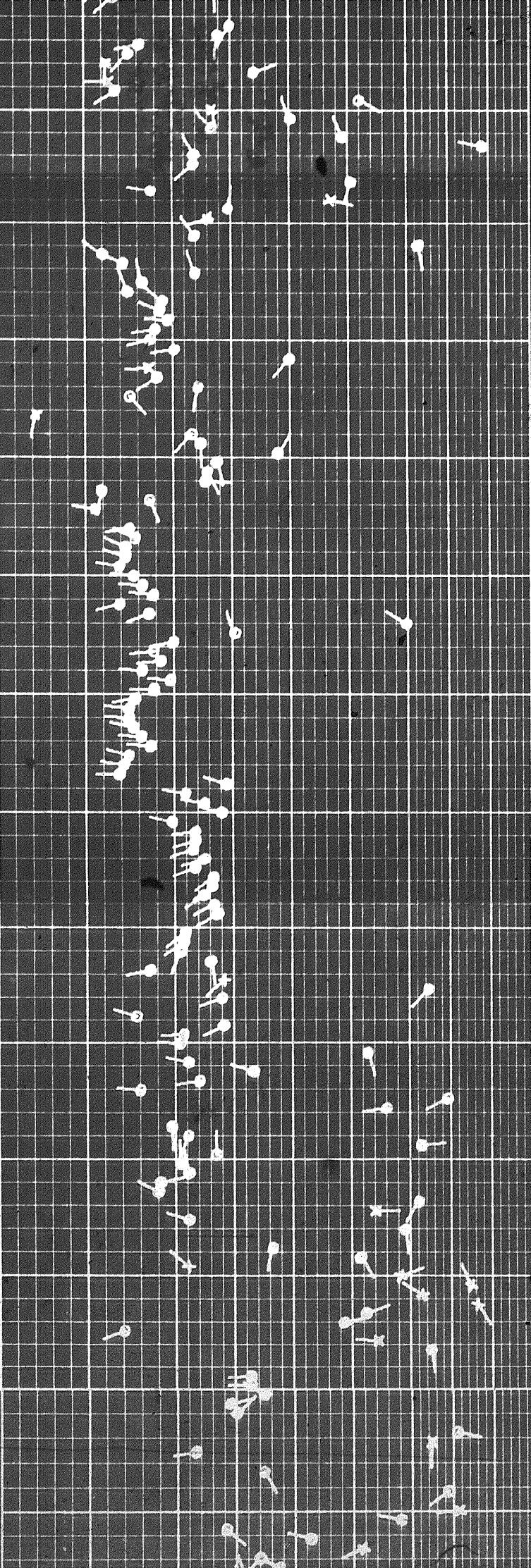
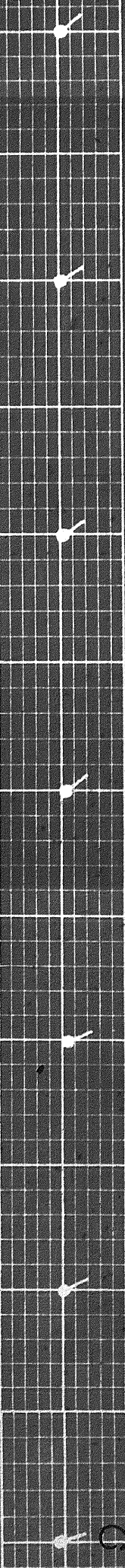
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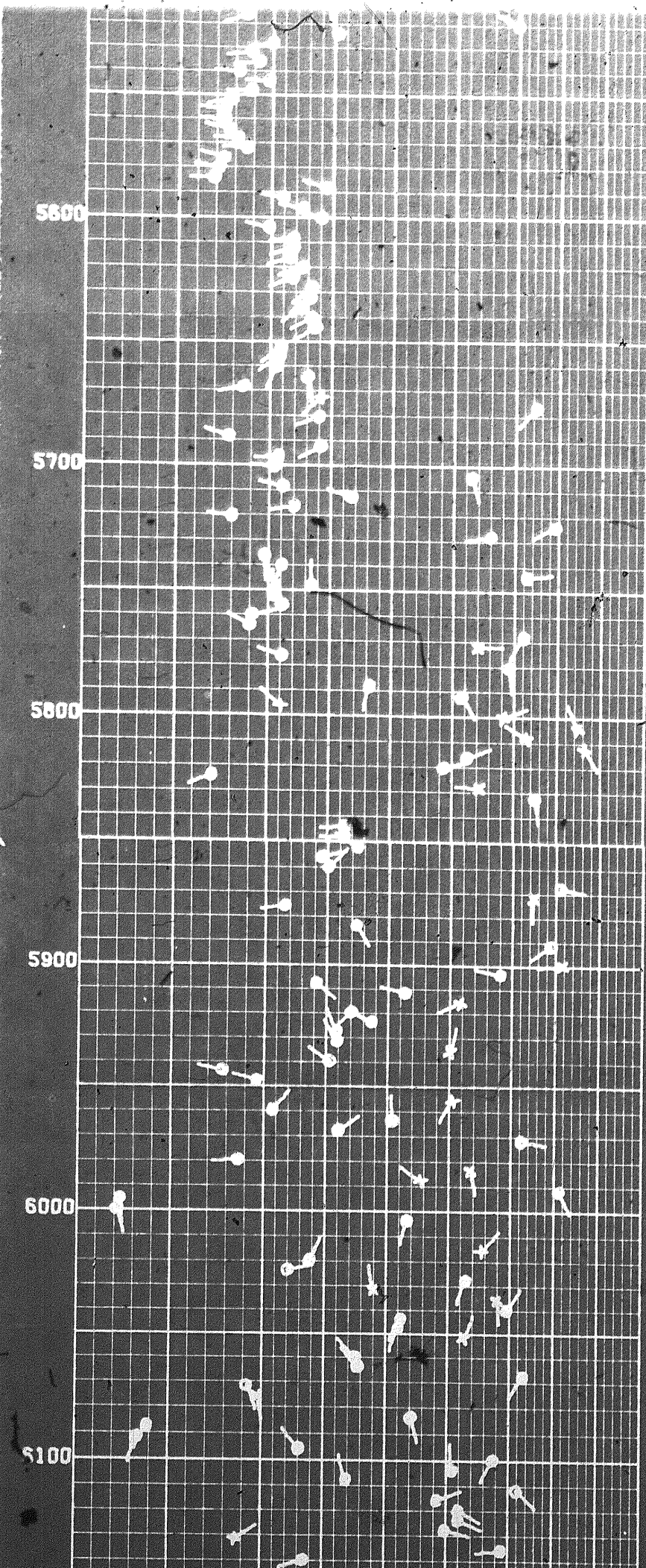
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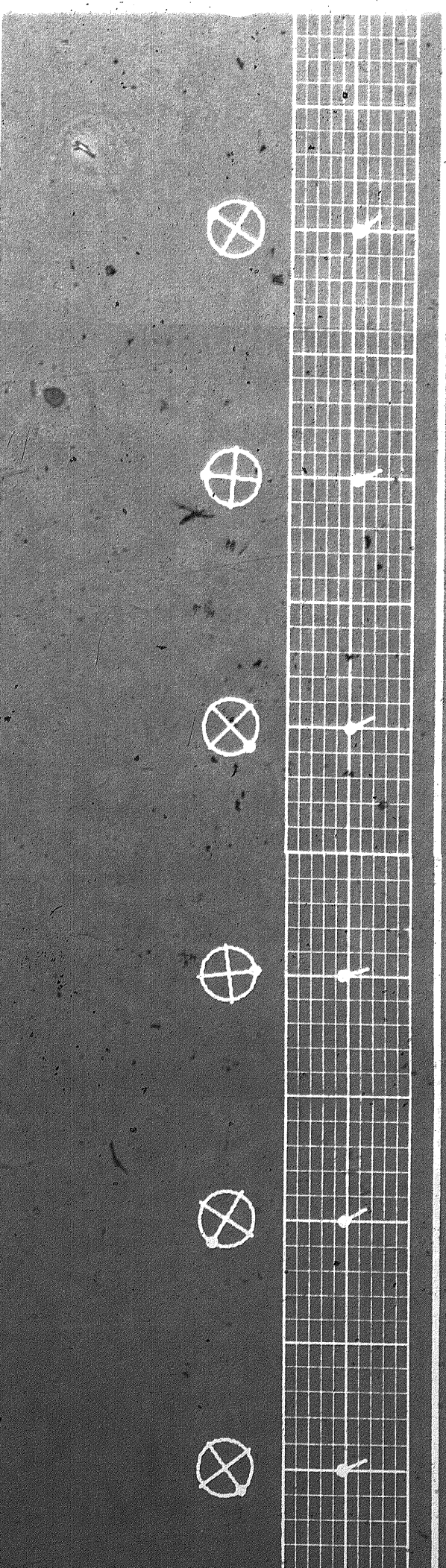
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6100

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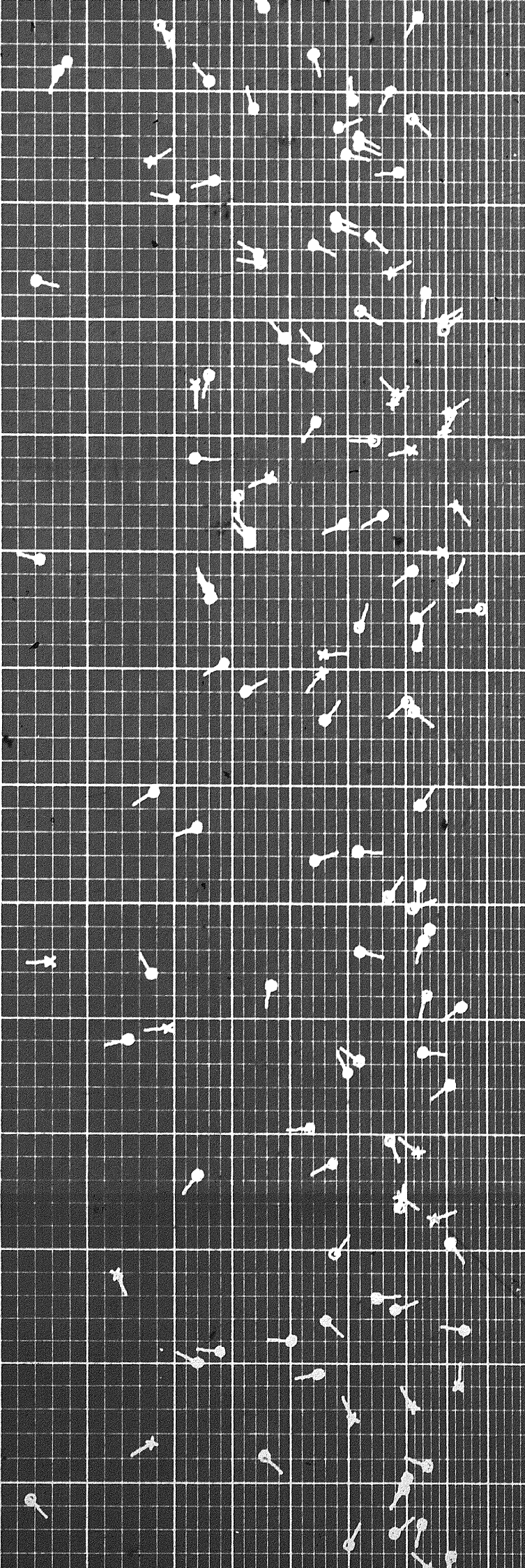
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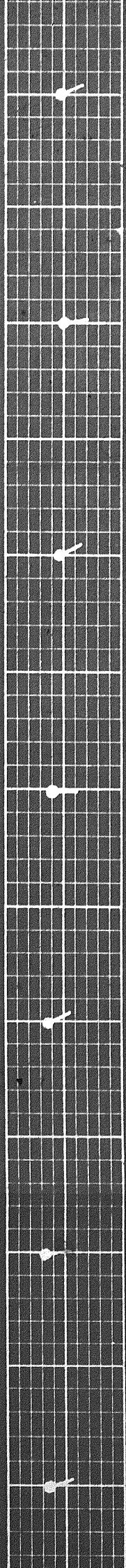
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2692F2

8460H



6700

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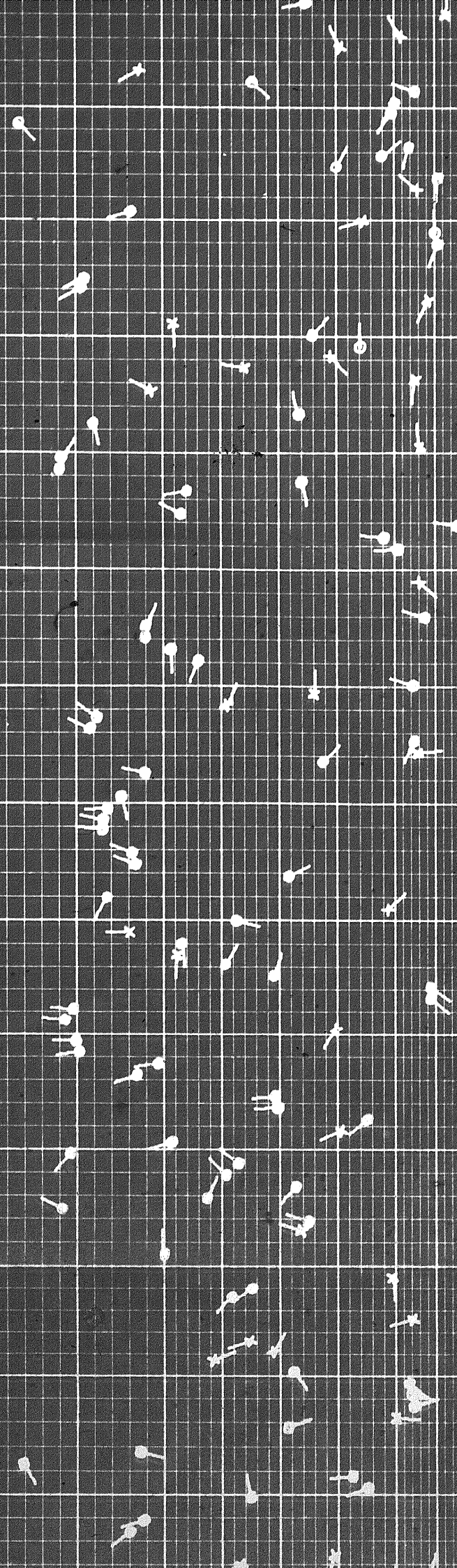
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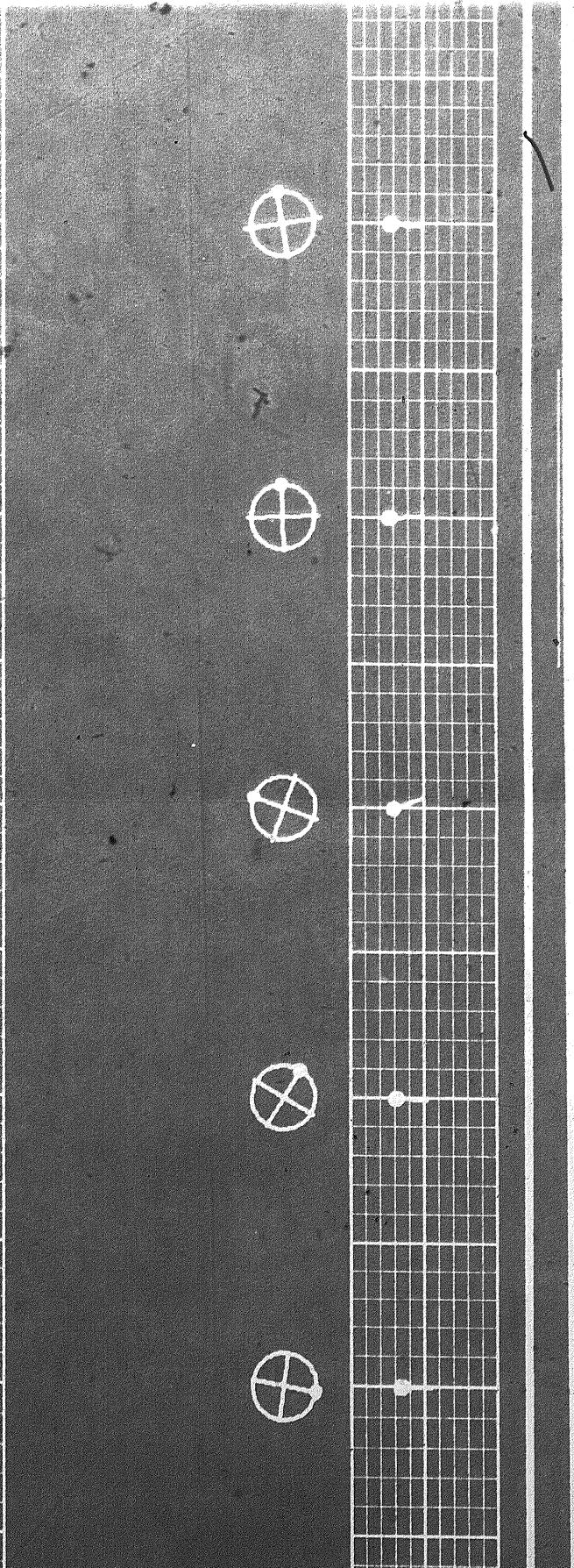
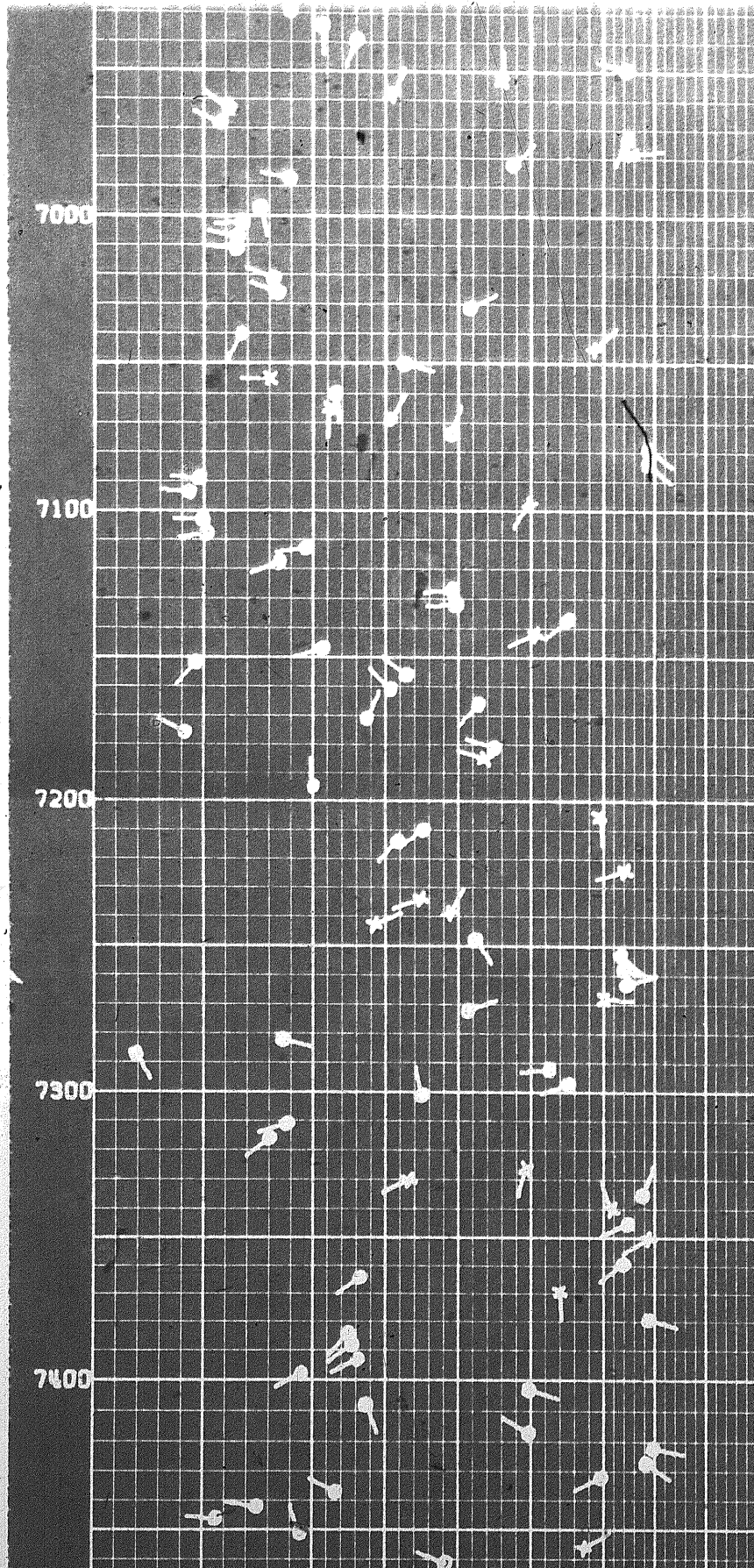
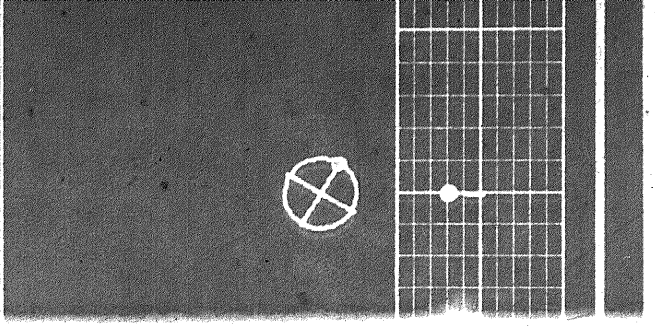
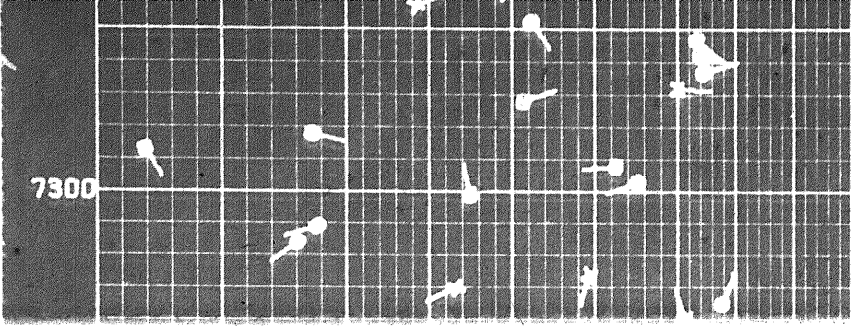
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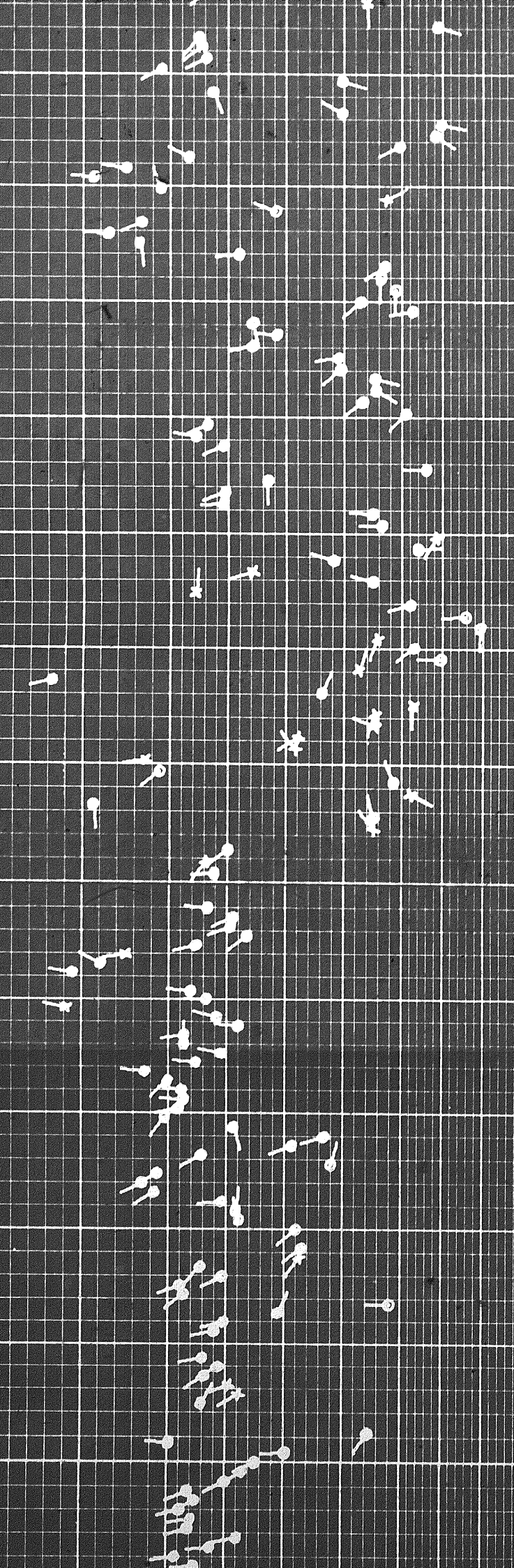
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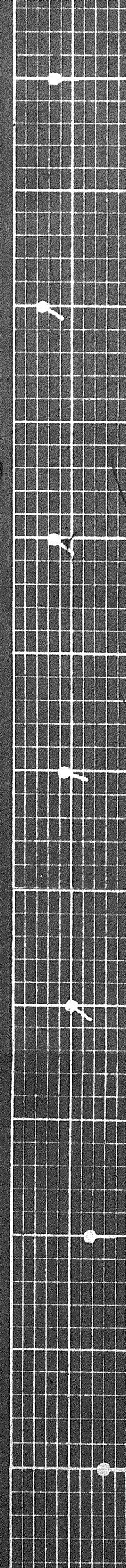
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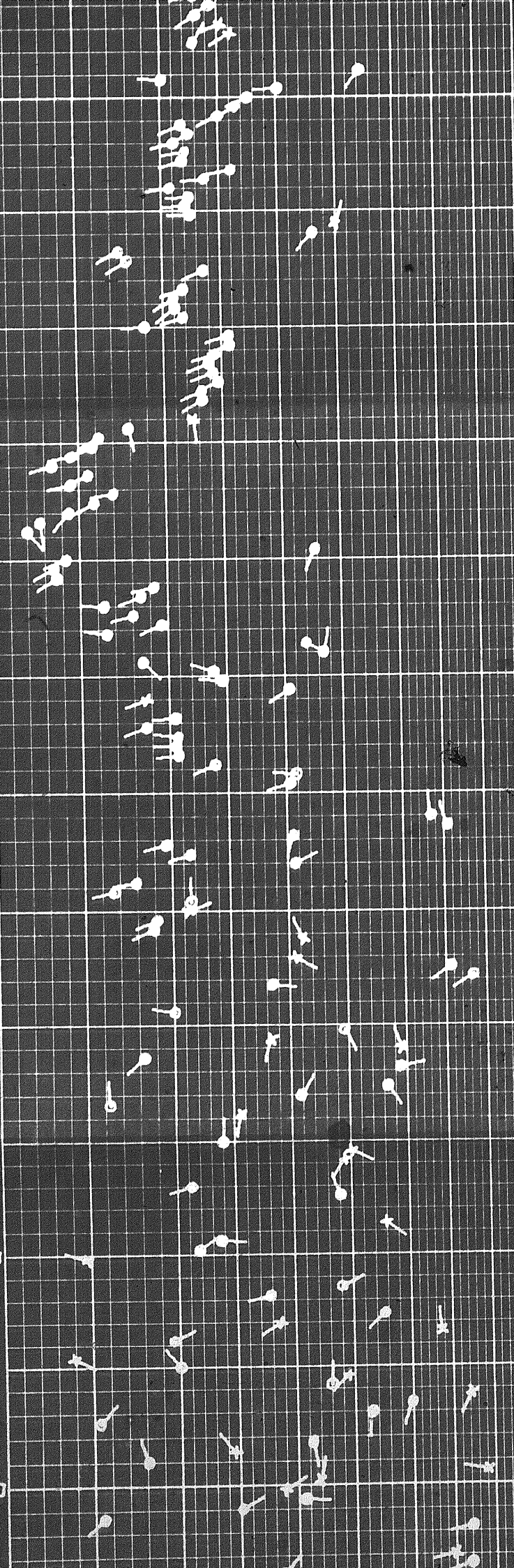
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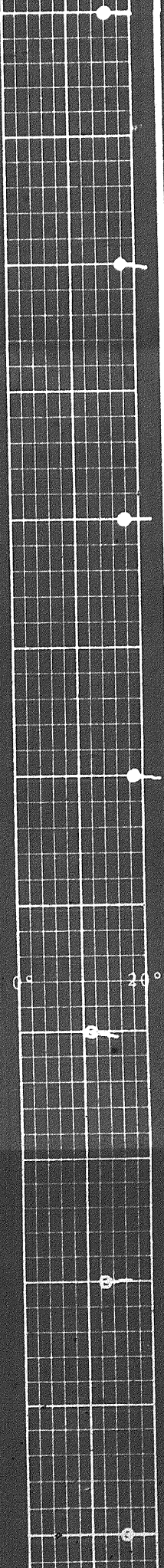
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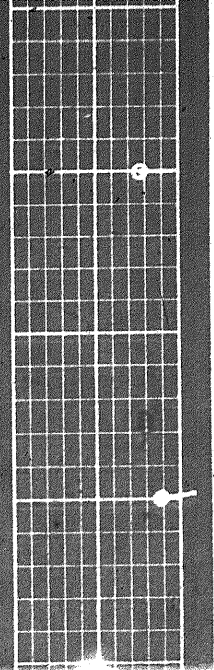


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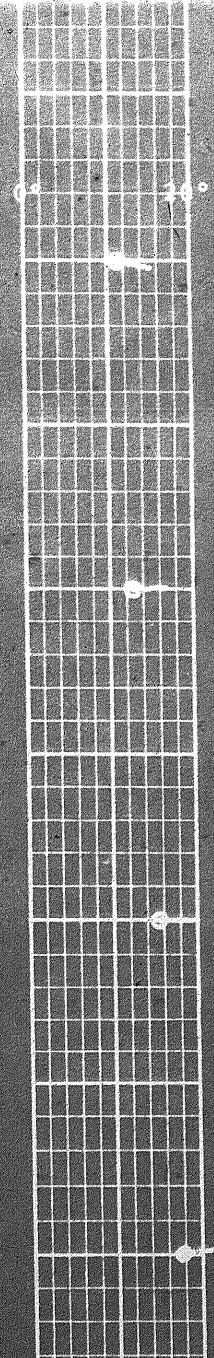
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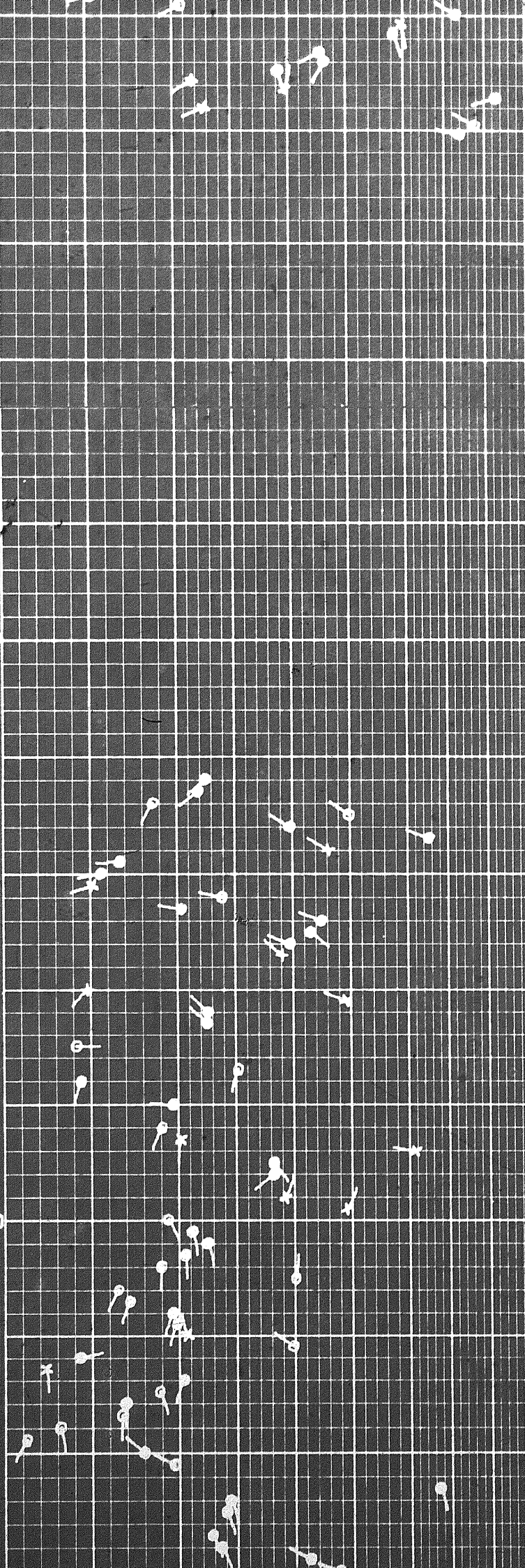


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5000



4524 4624



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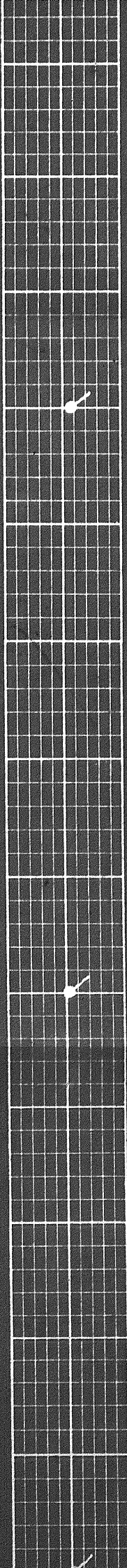
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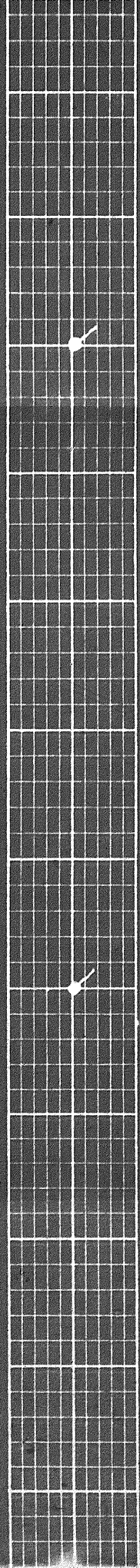
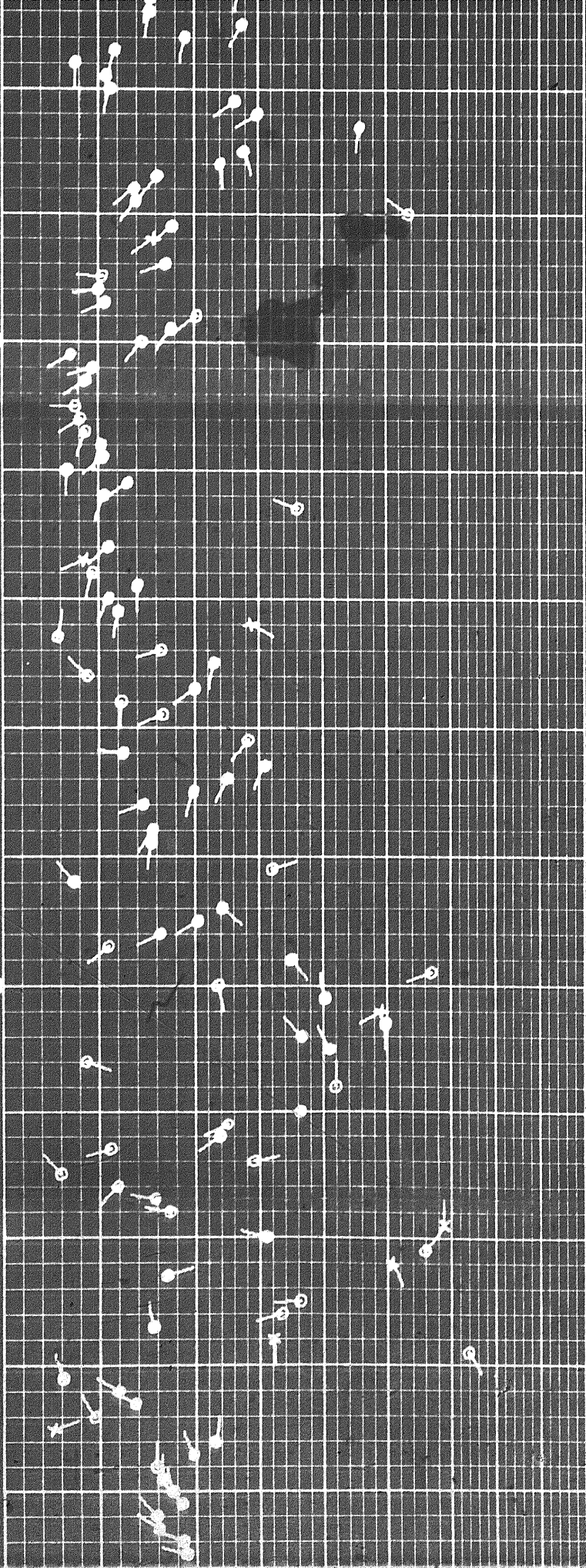
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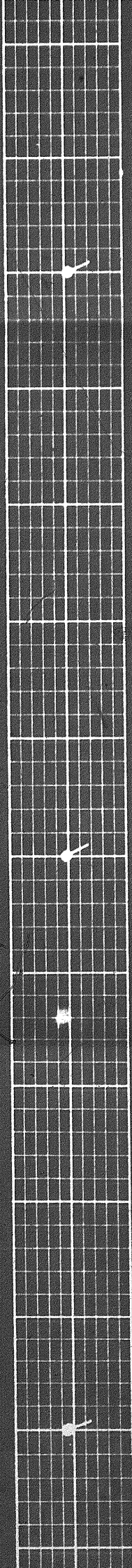
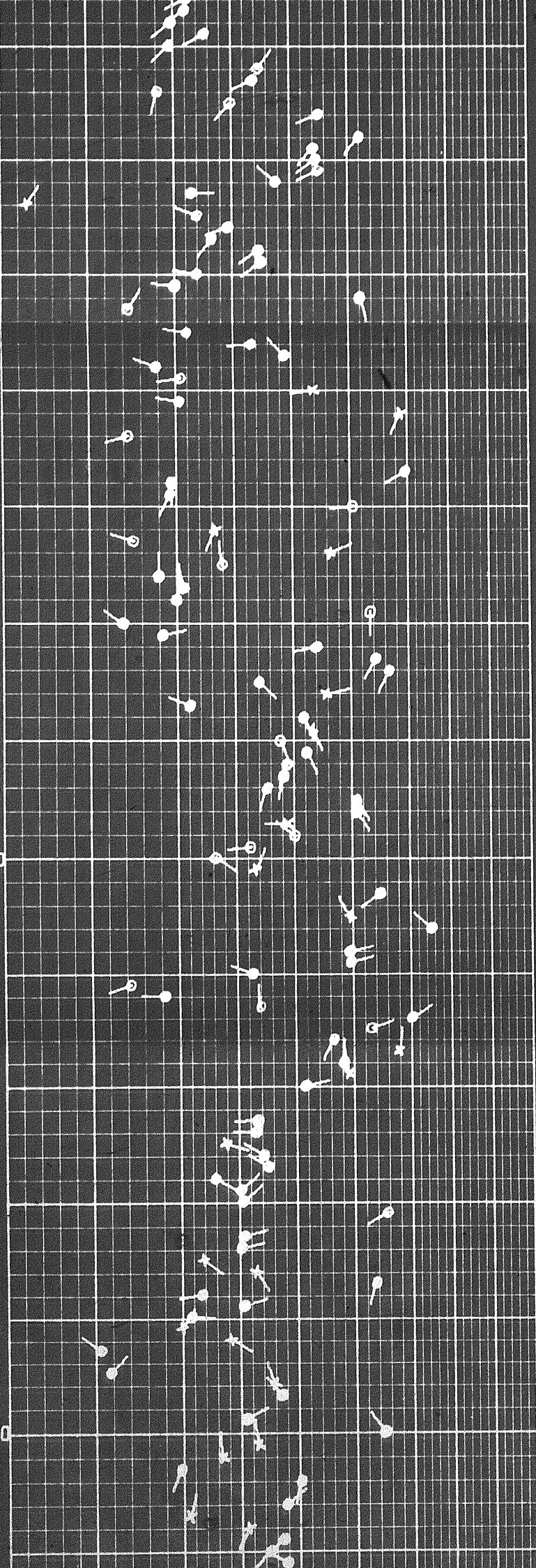
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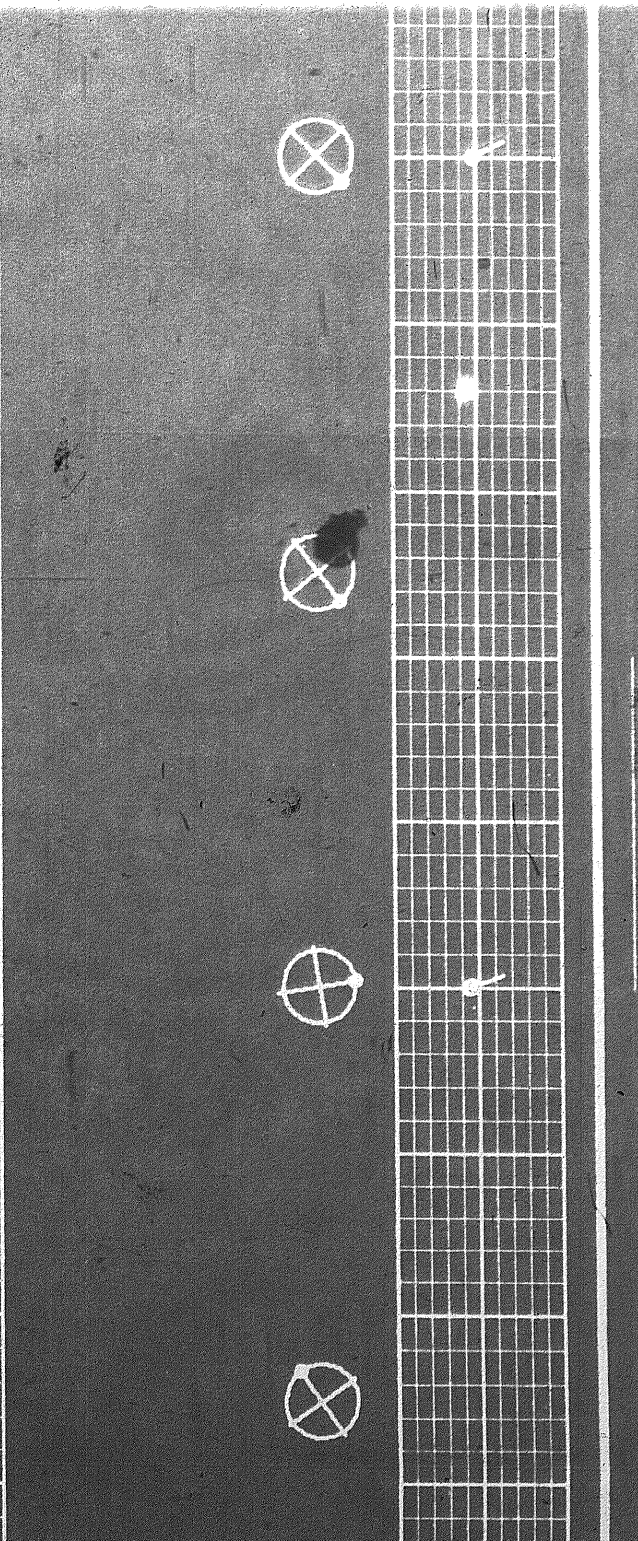
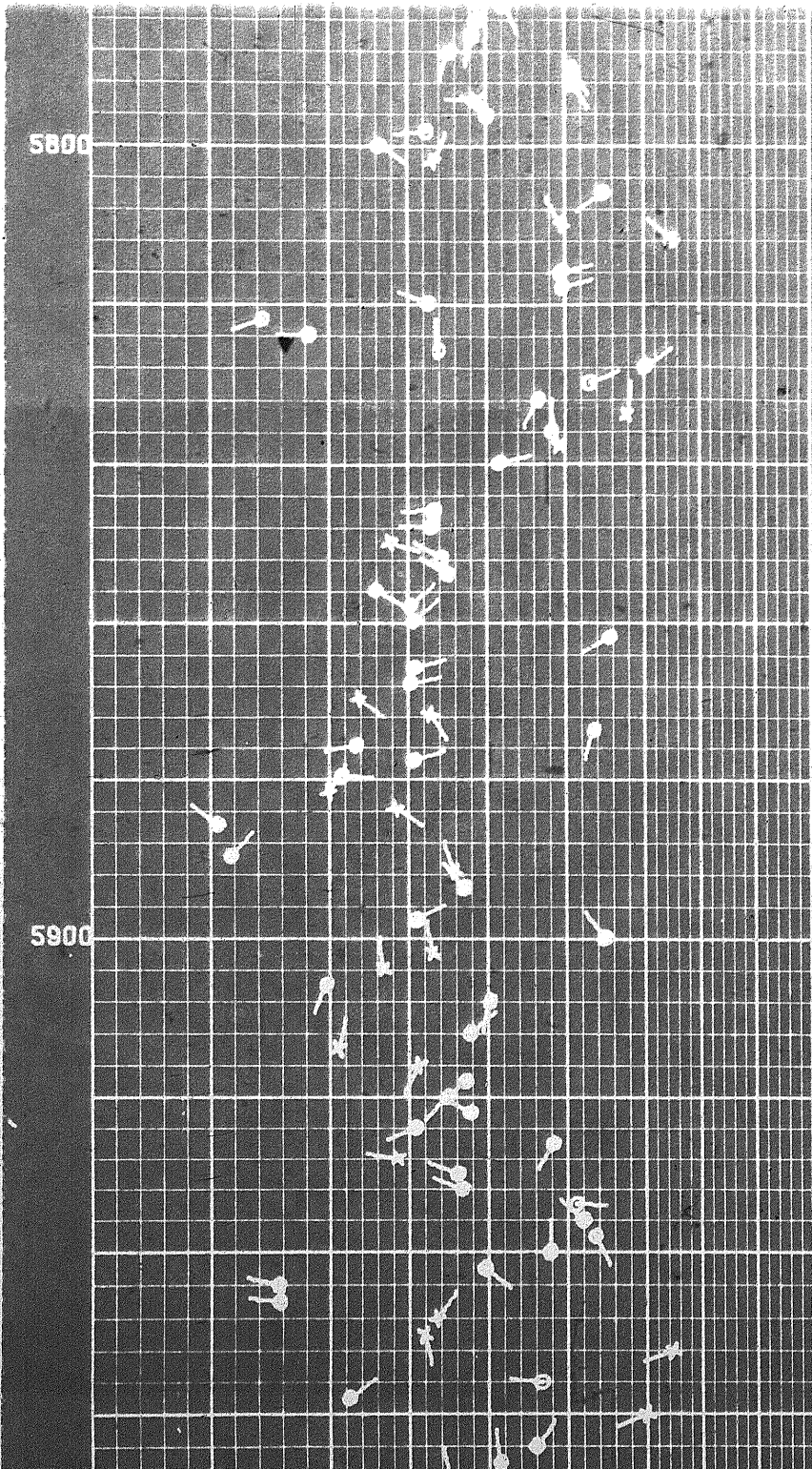
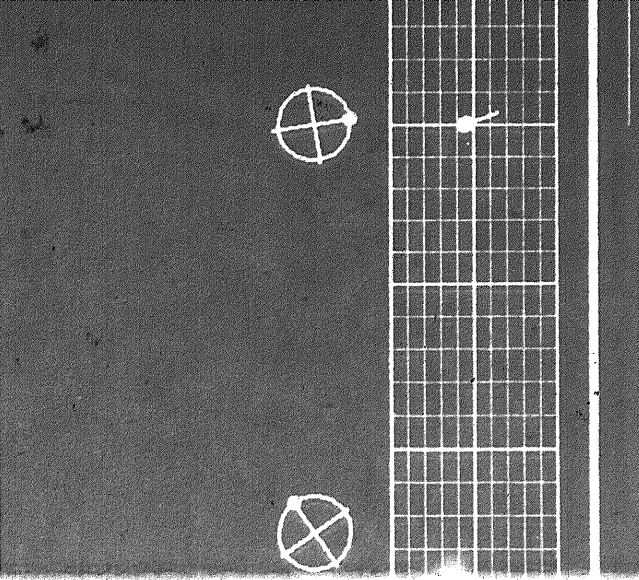
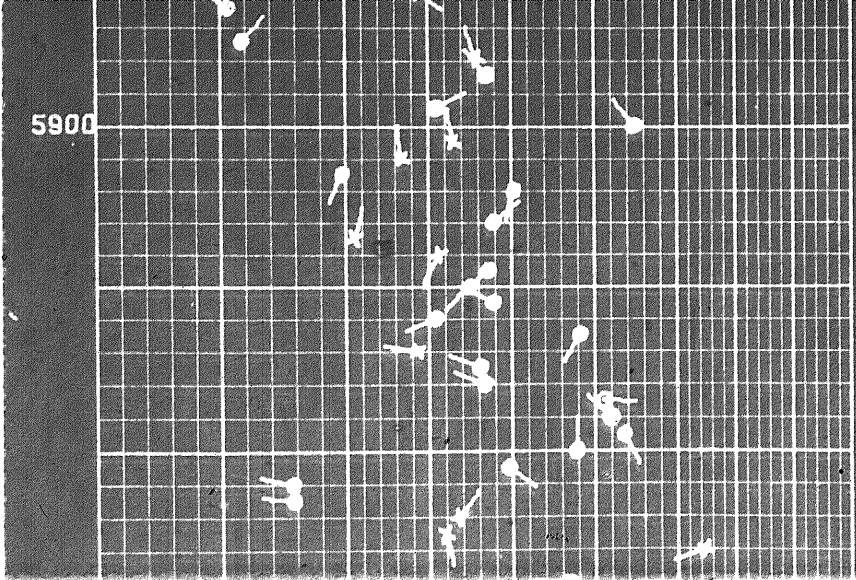


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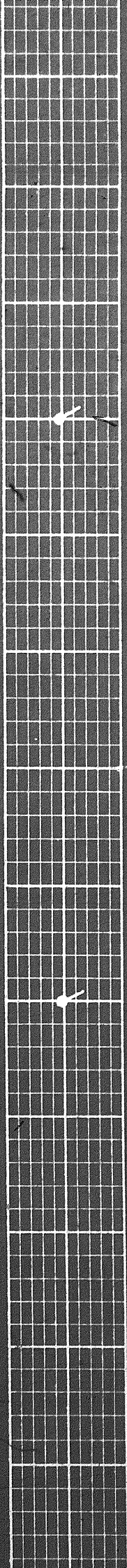
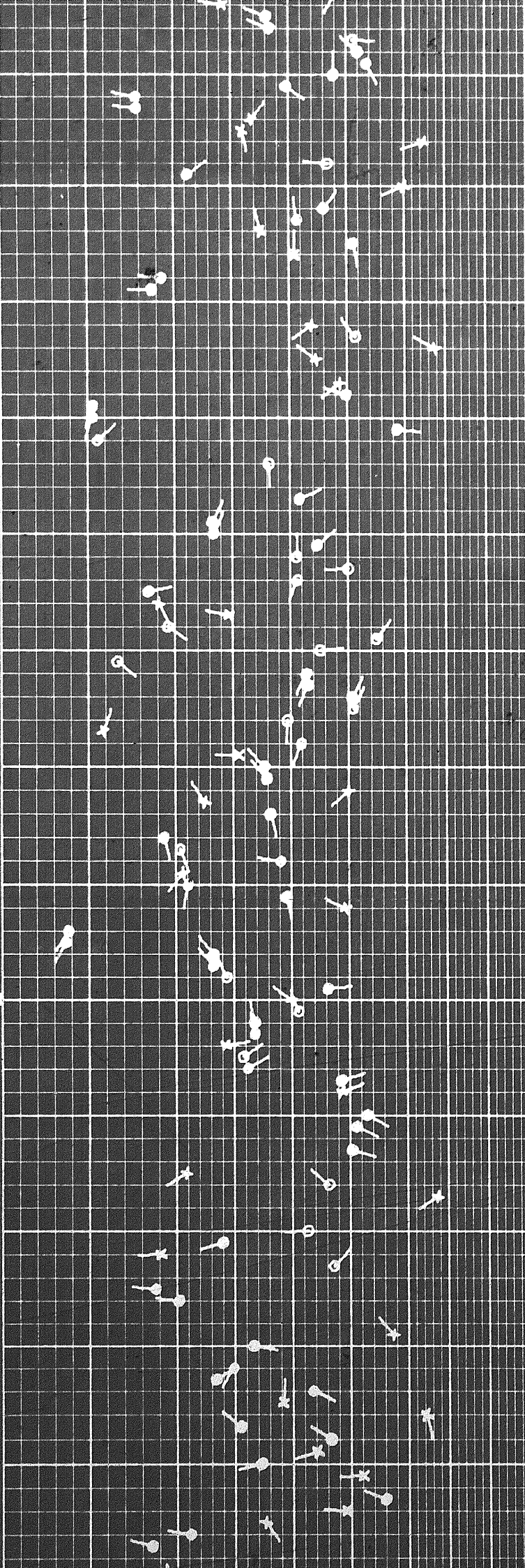




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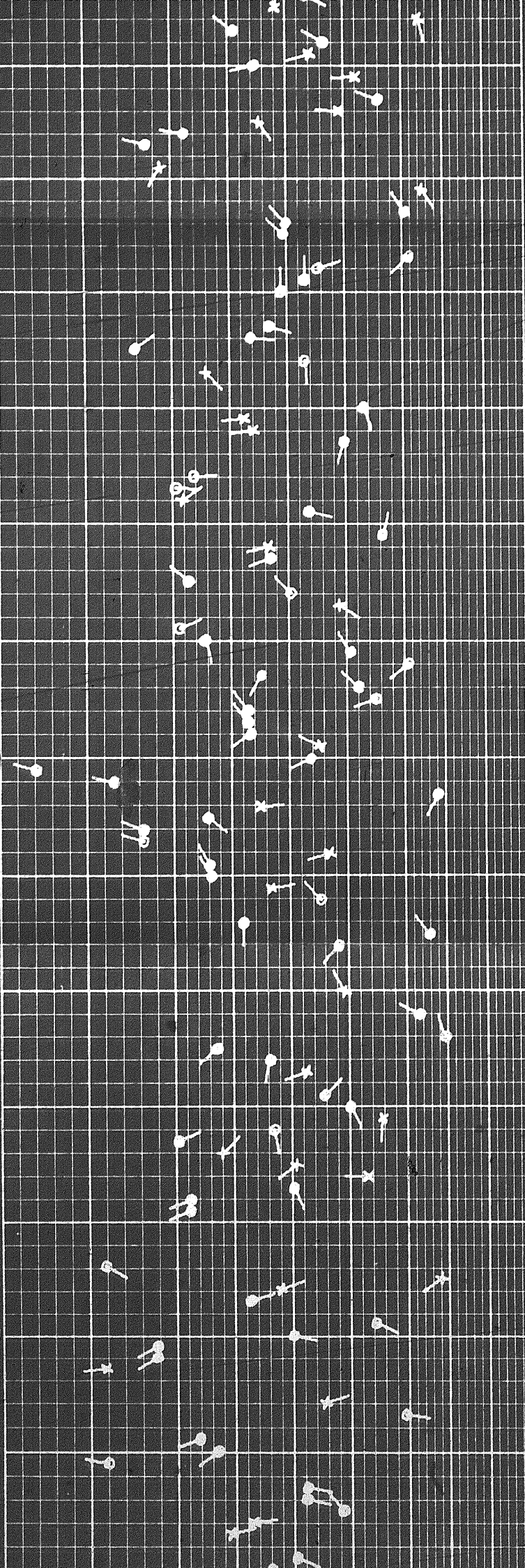
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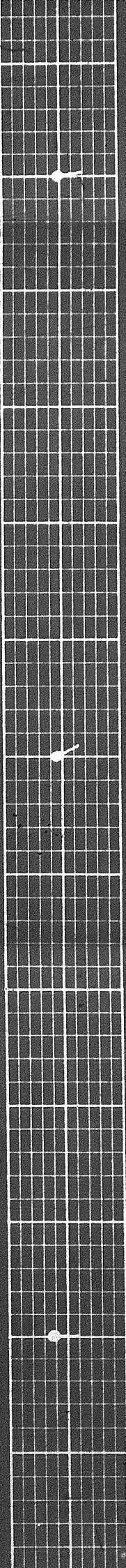
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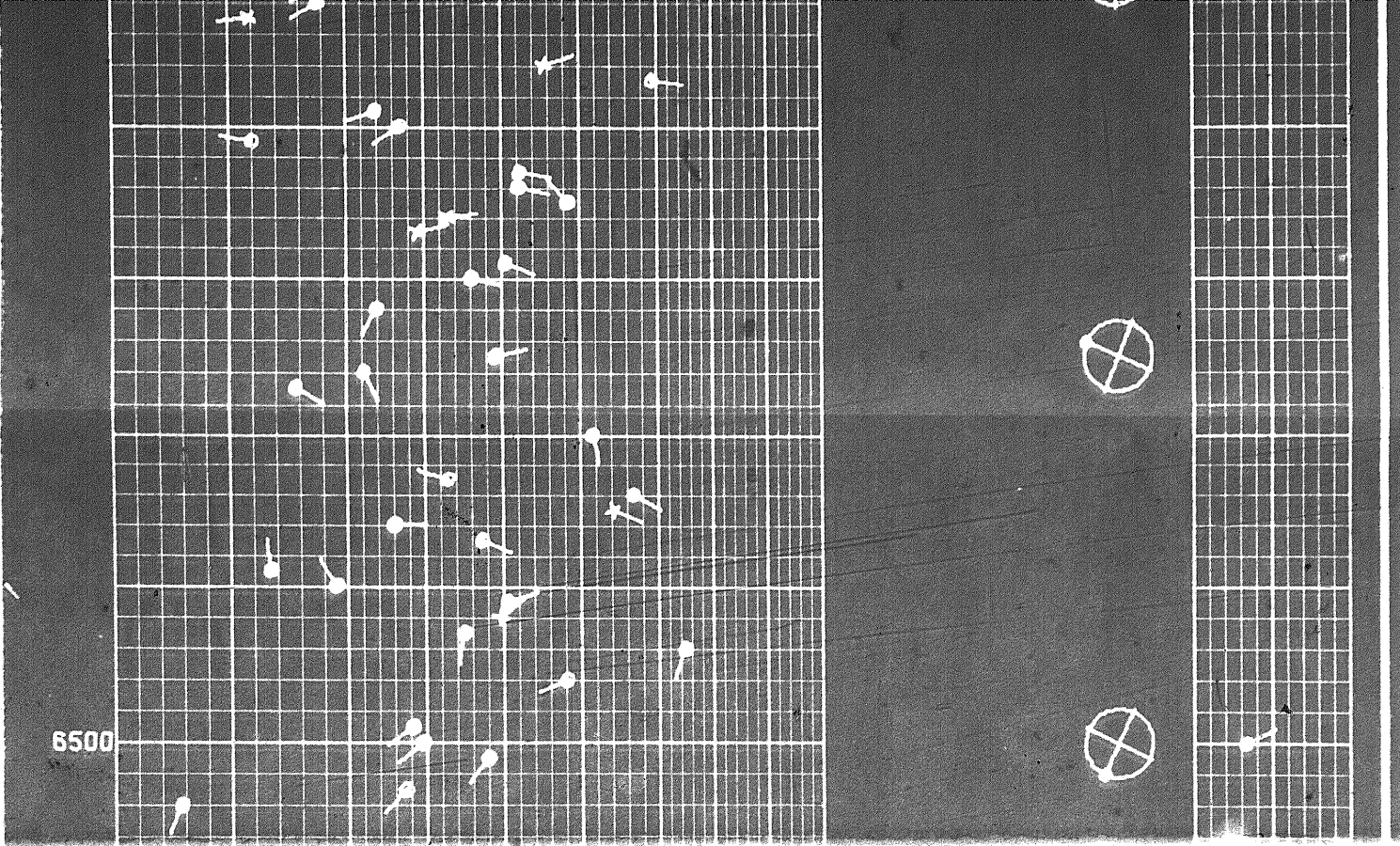
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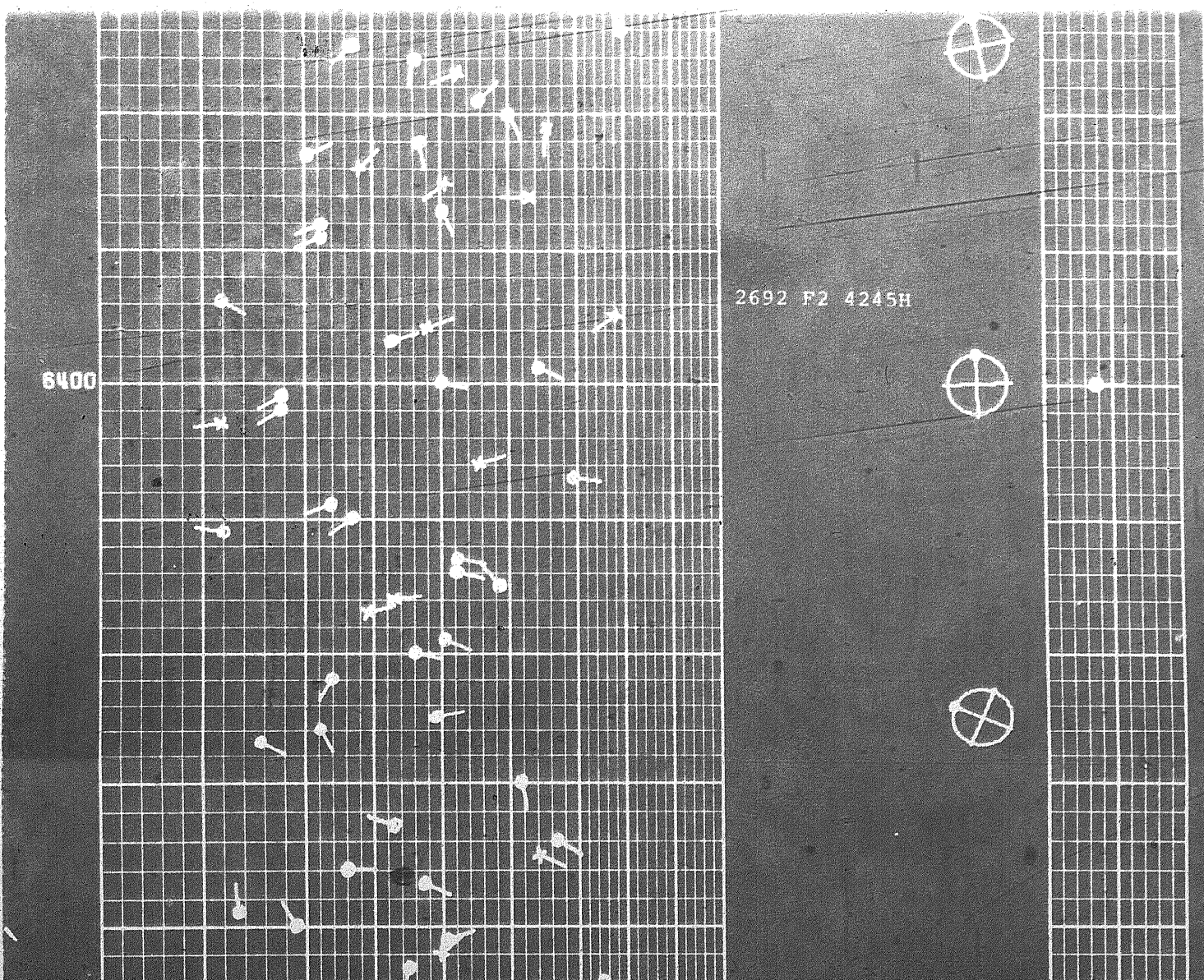


2692 F2 4245H





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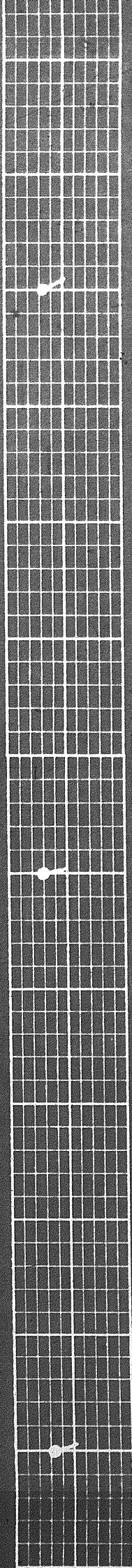
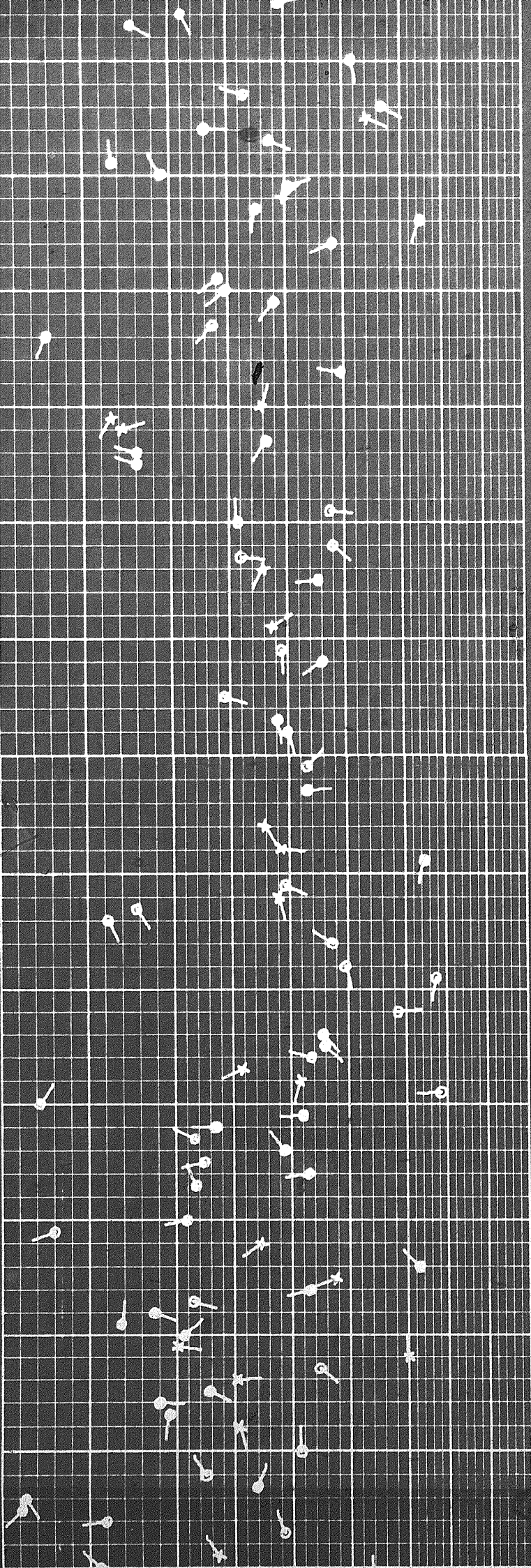
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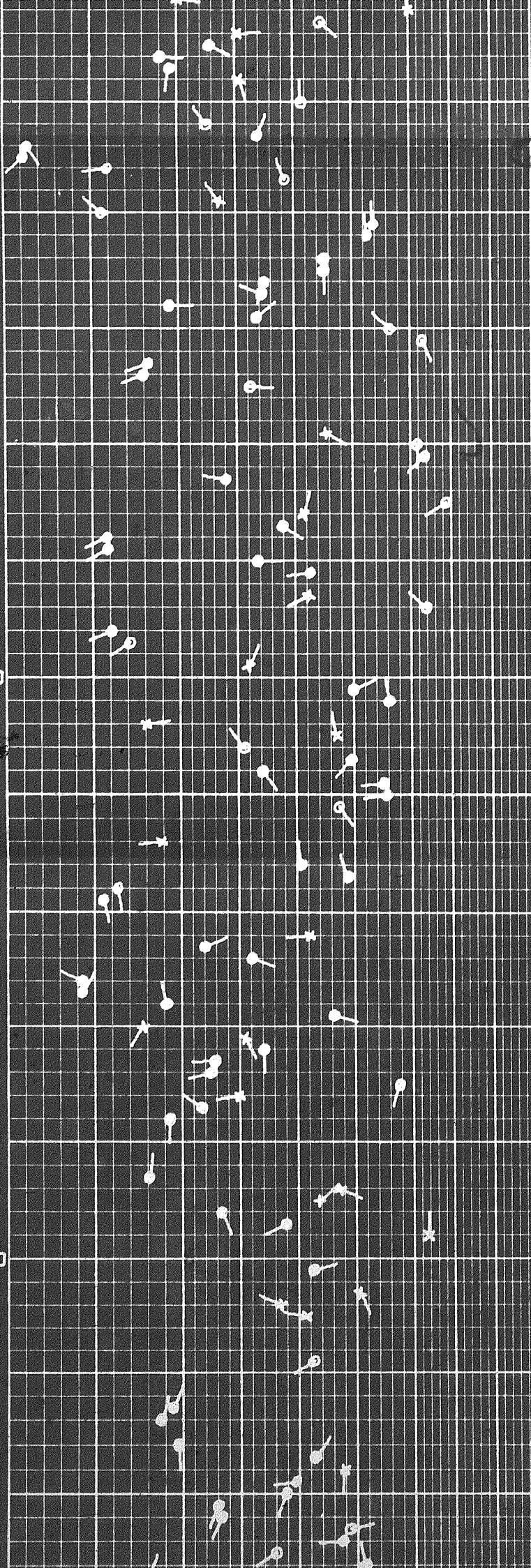
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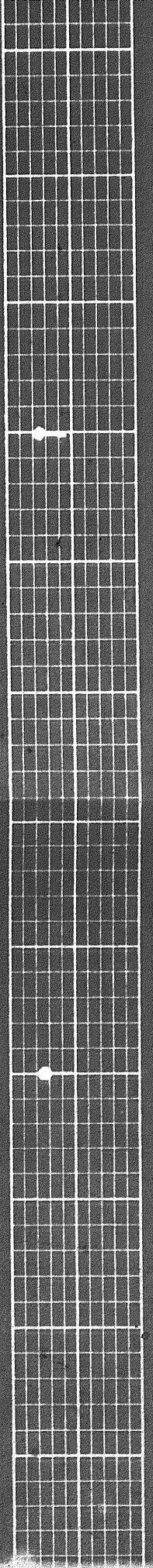
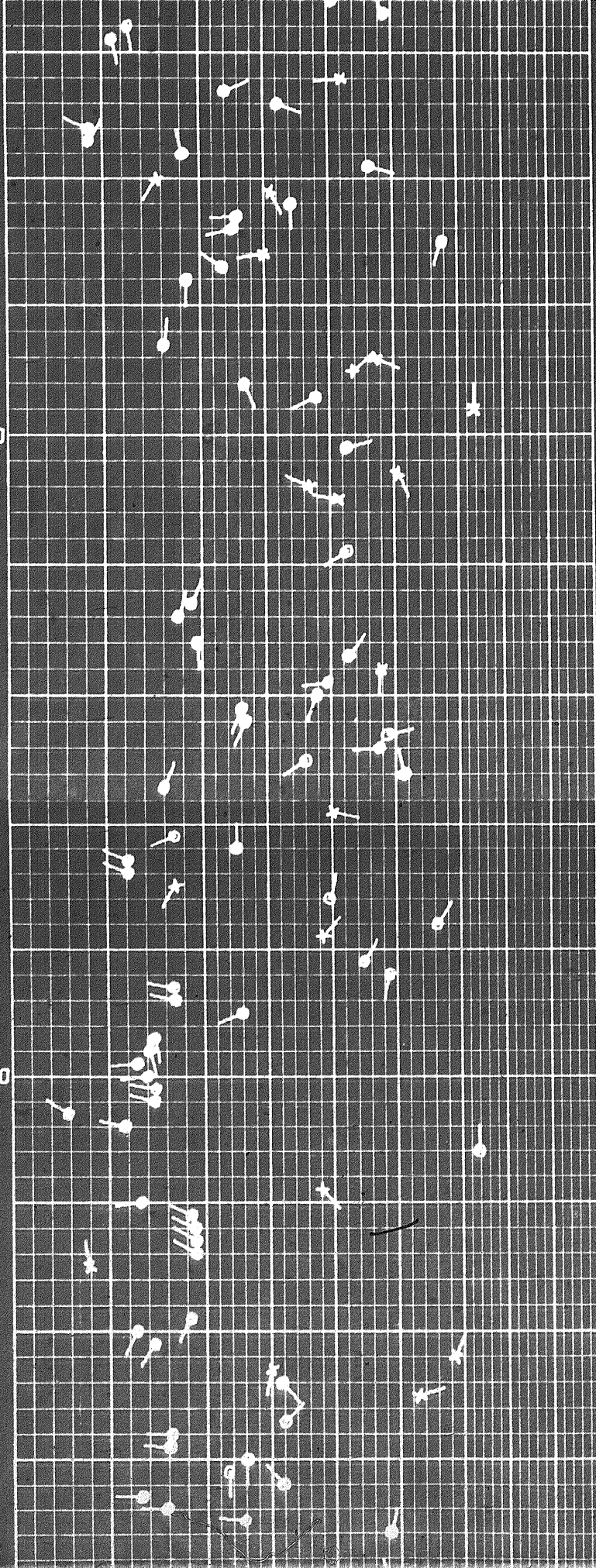
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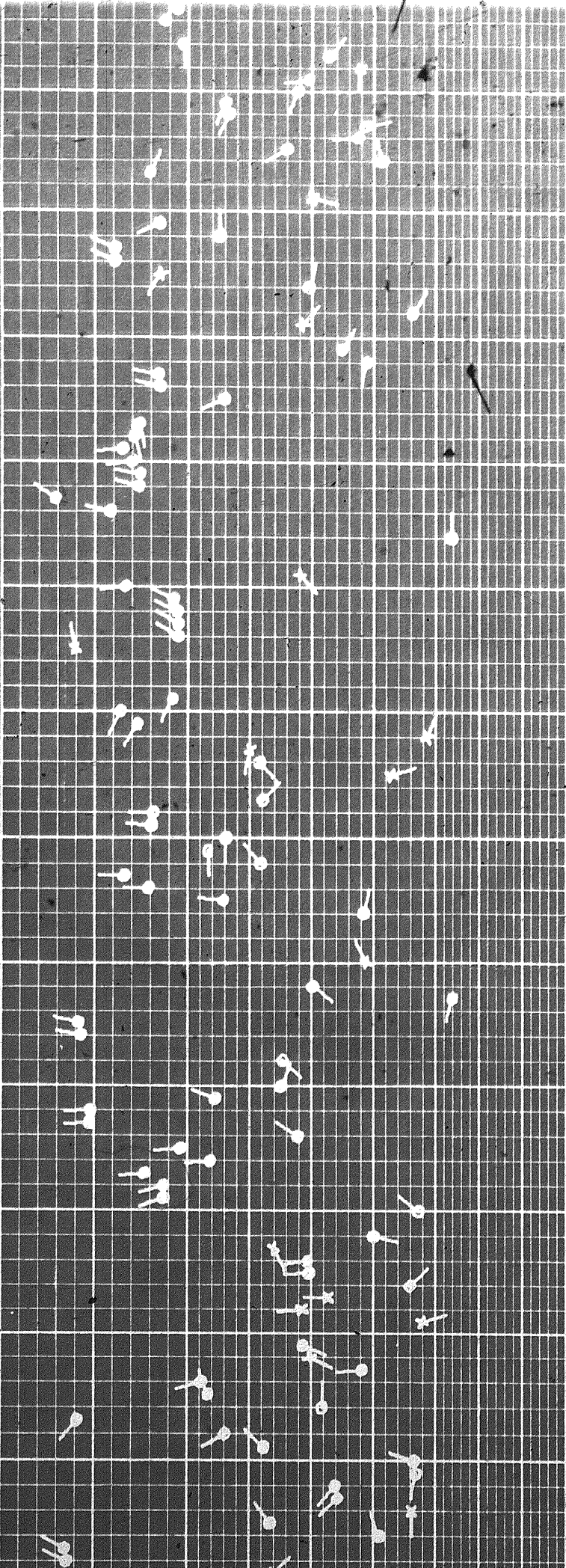
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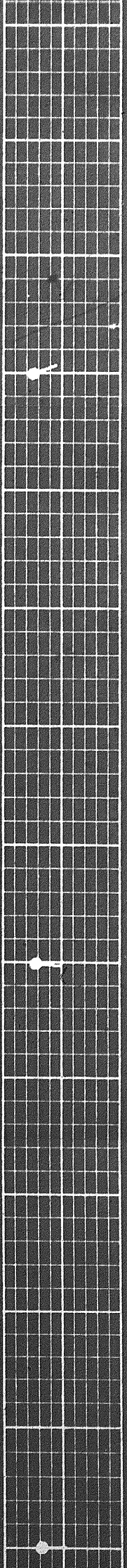
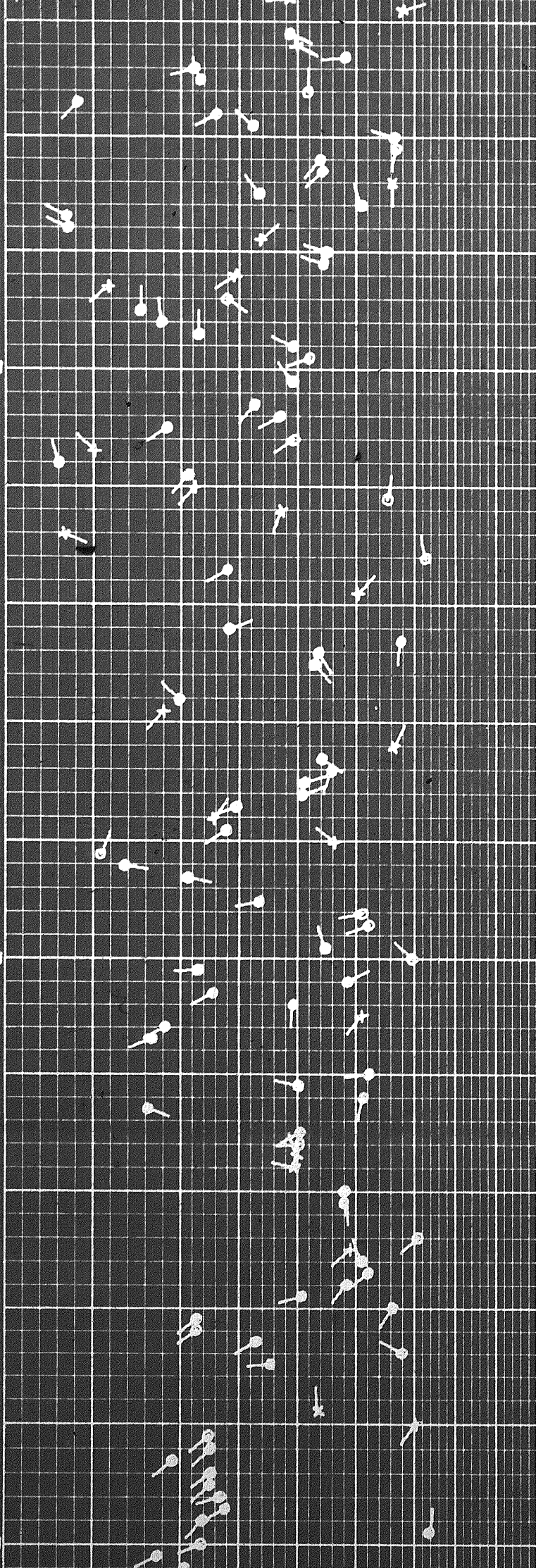
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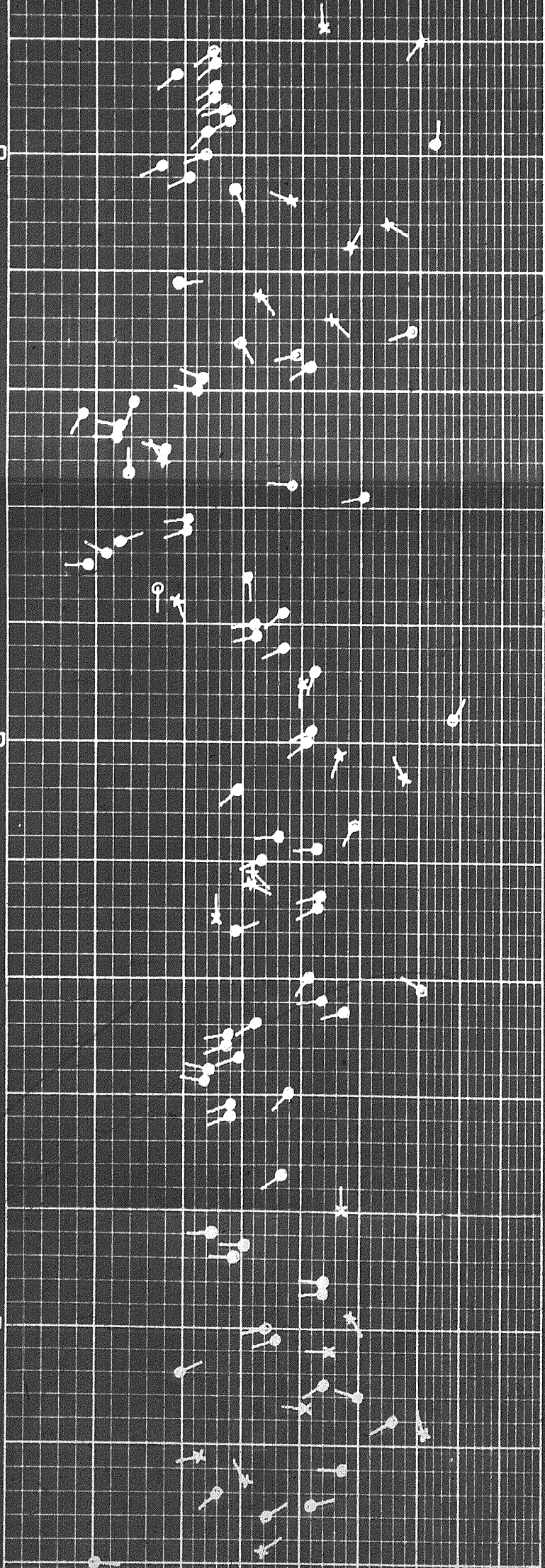
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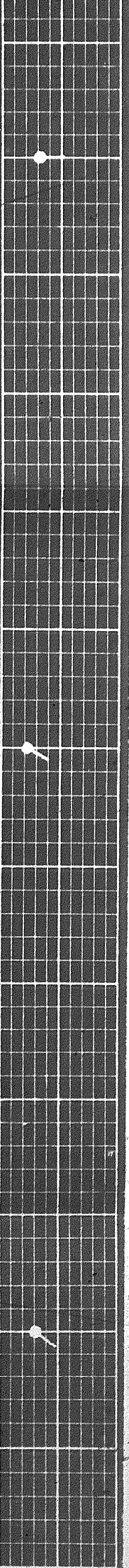
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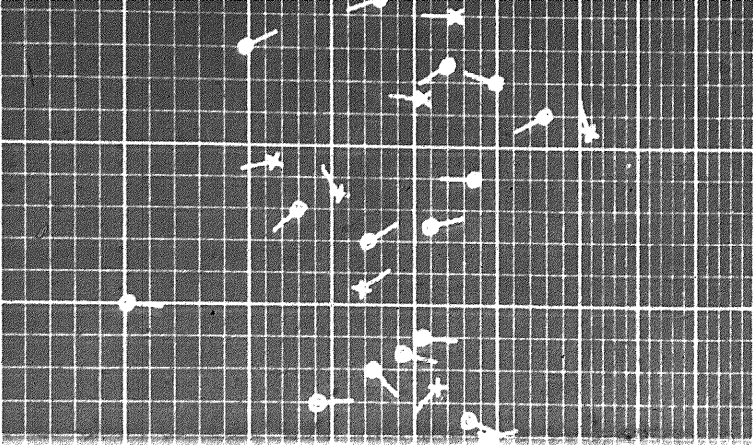
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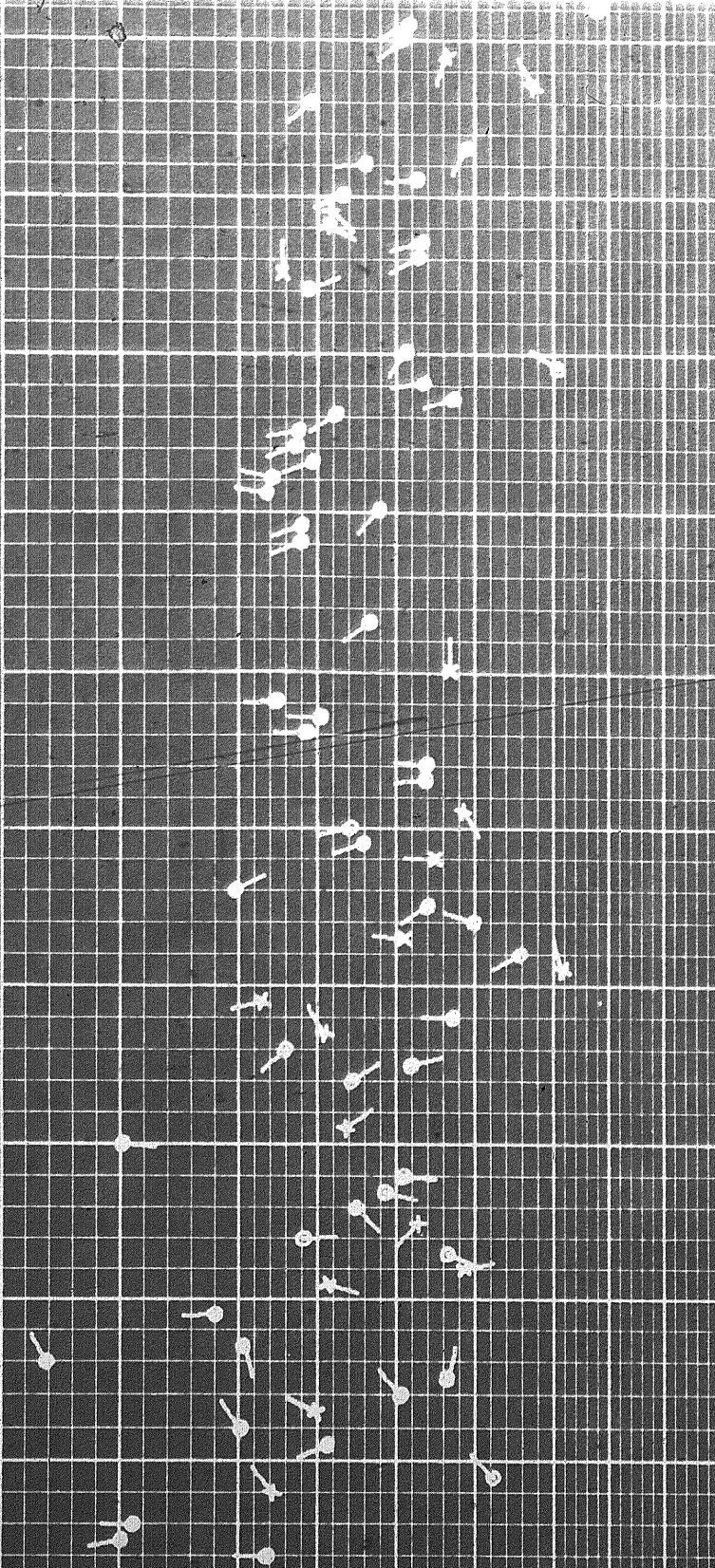


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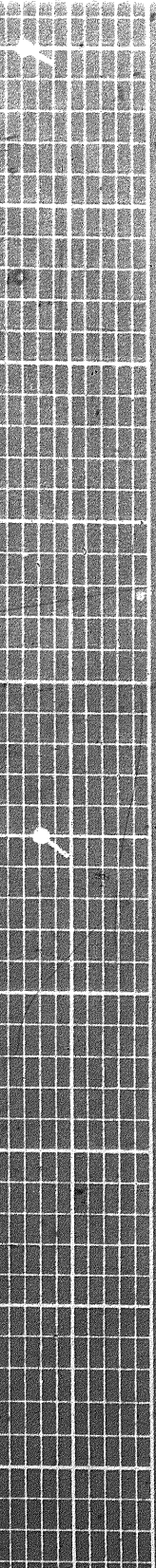




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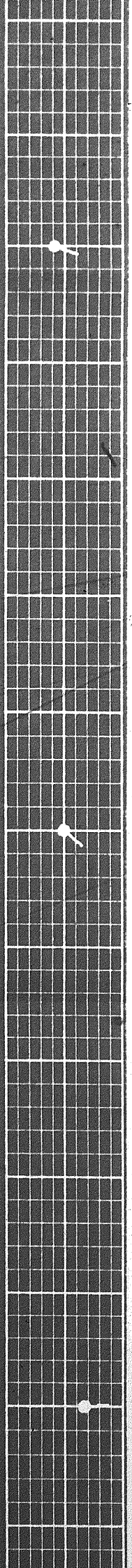
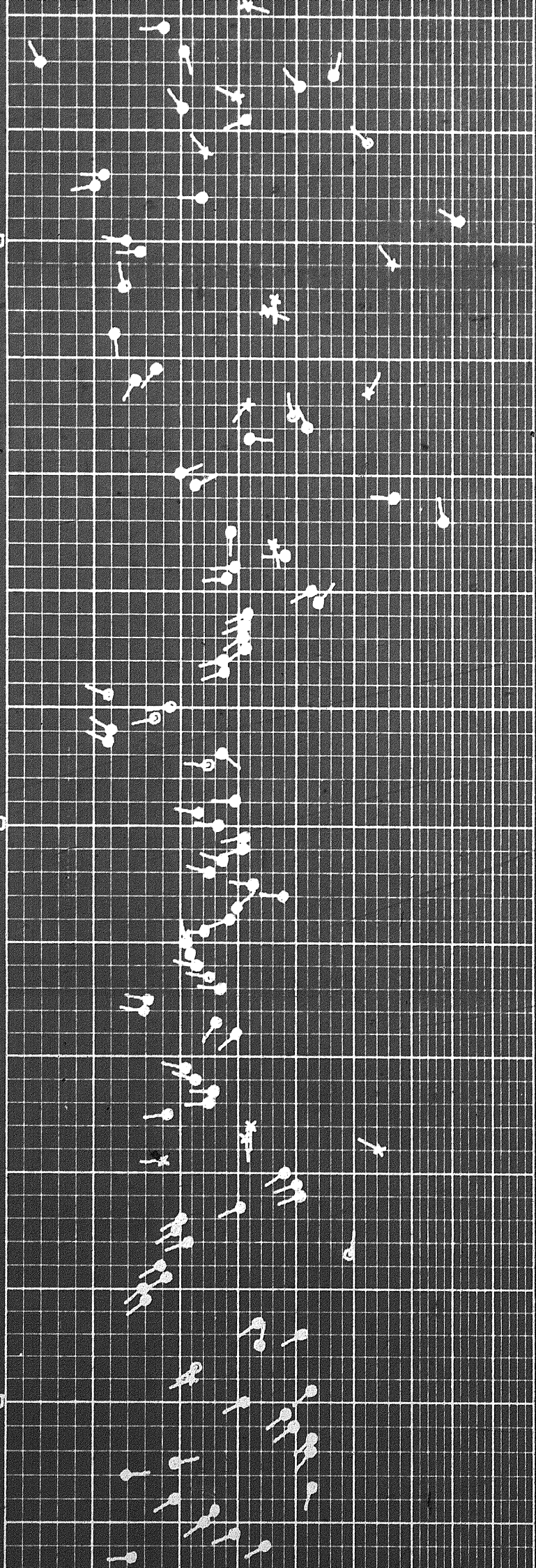
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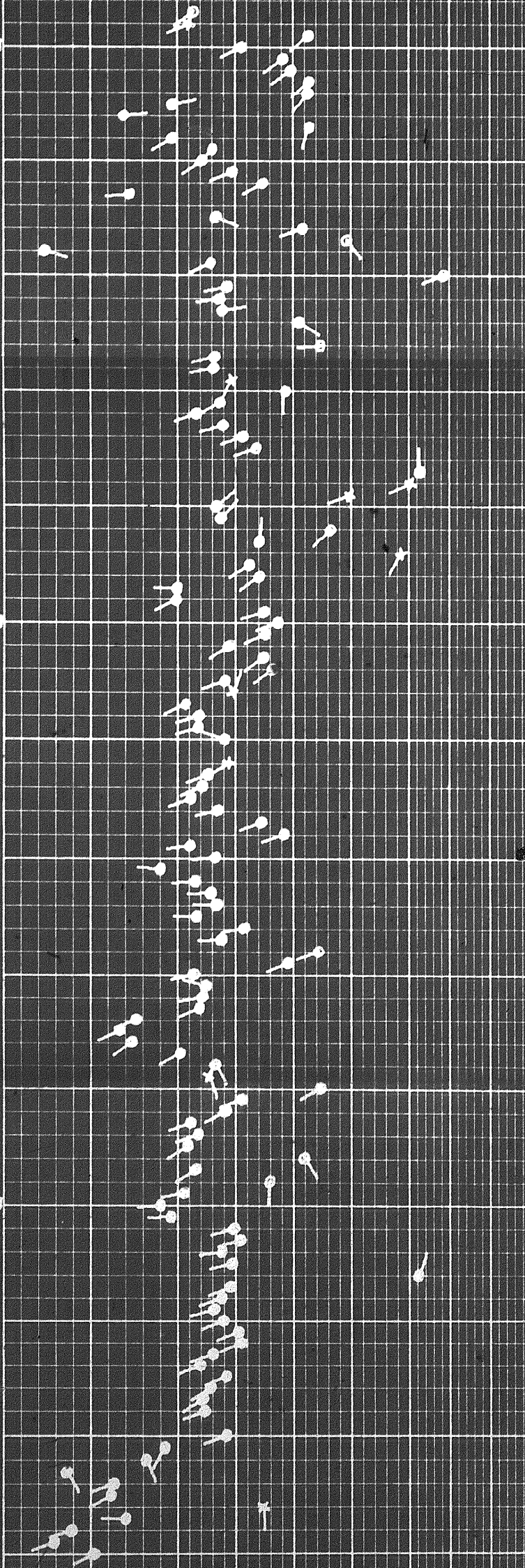
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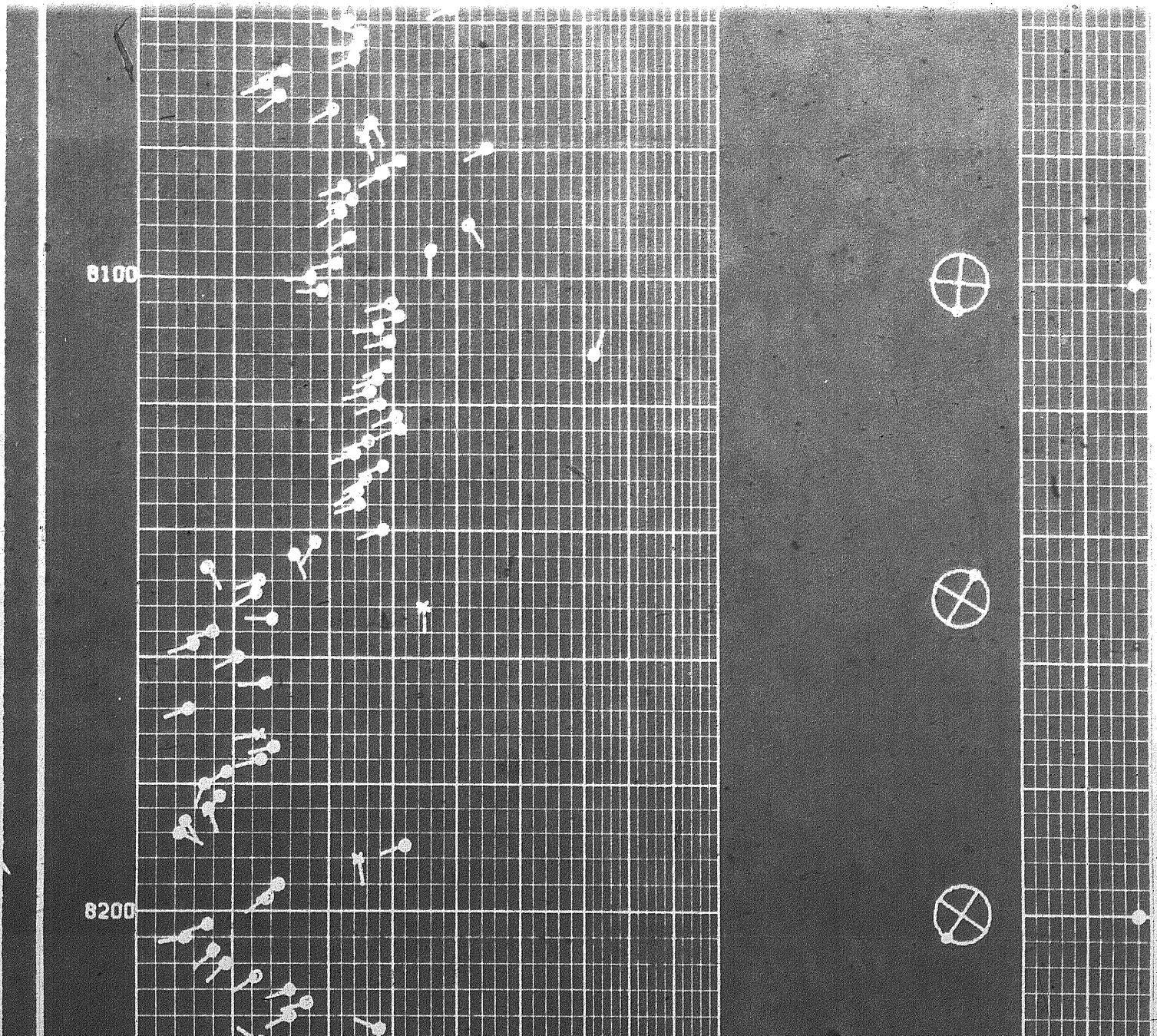
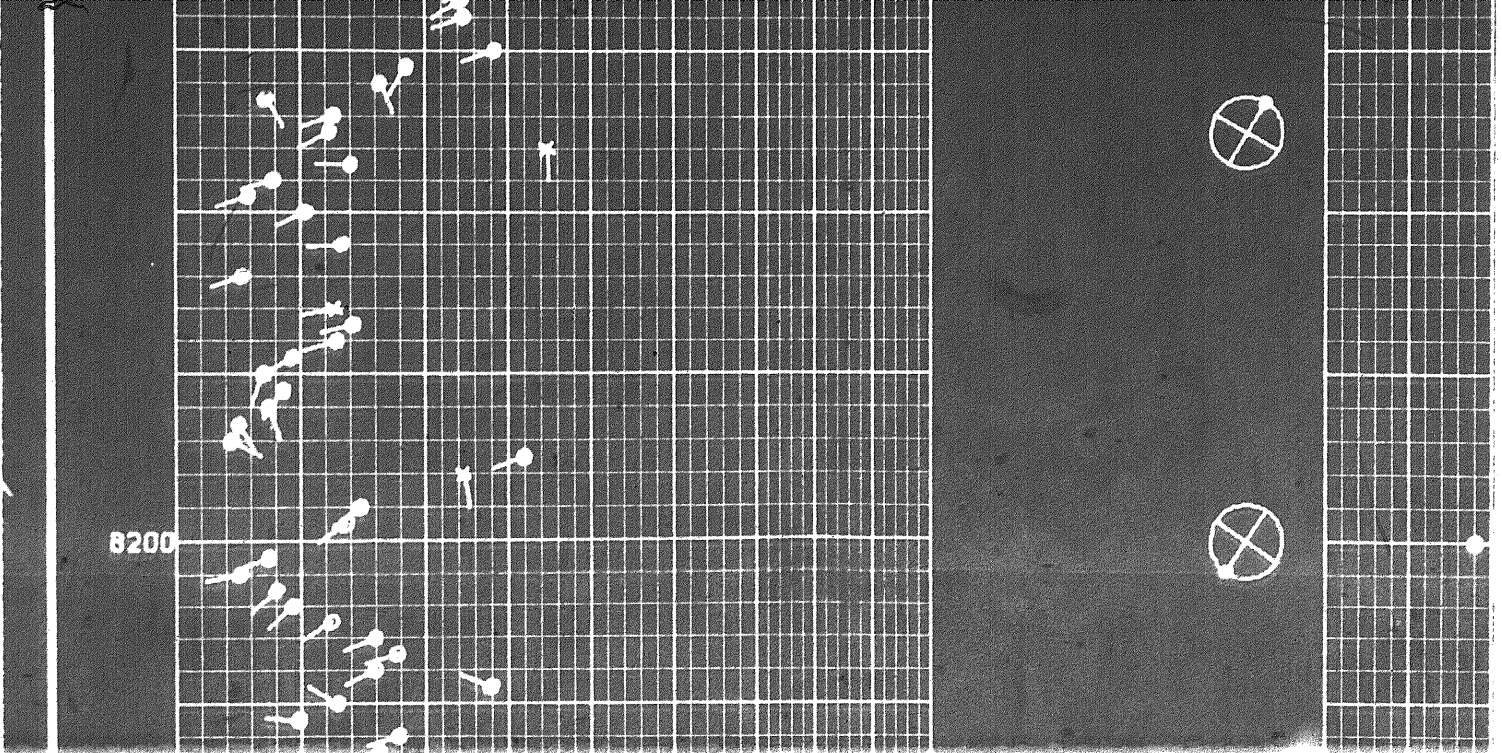


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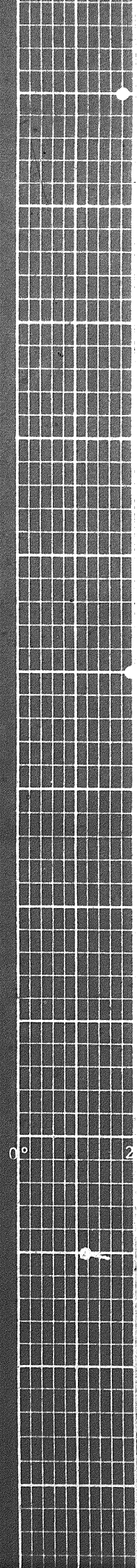
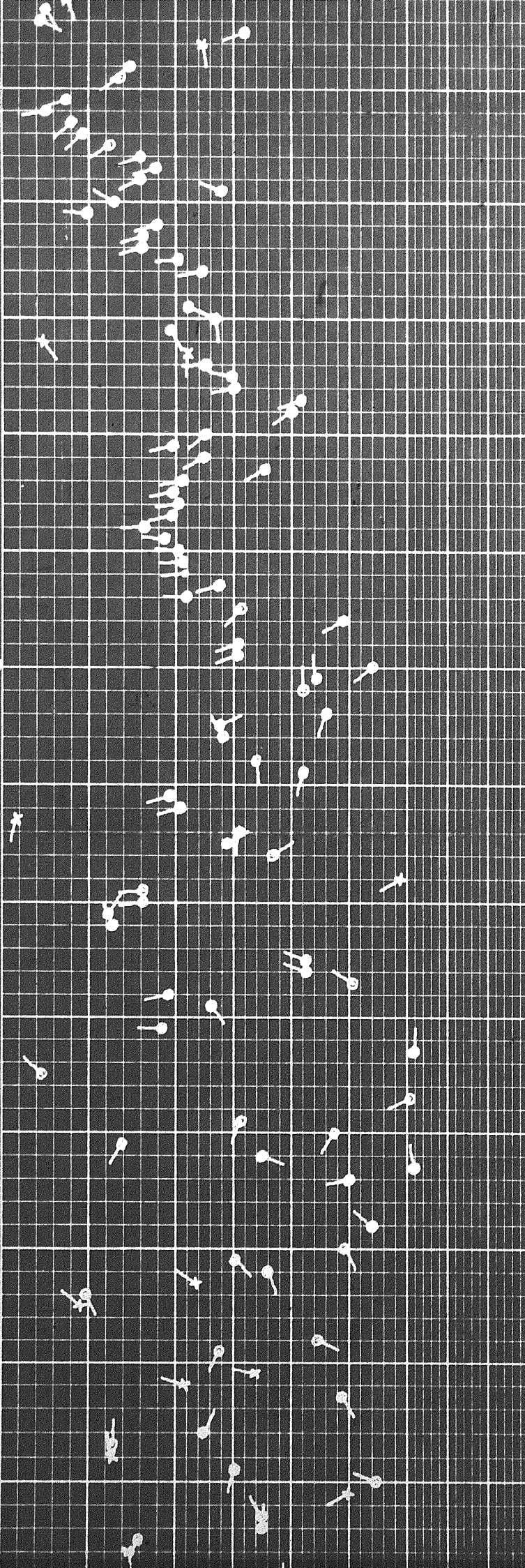




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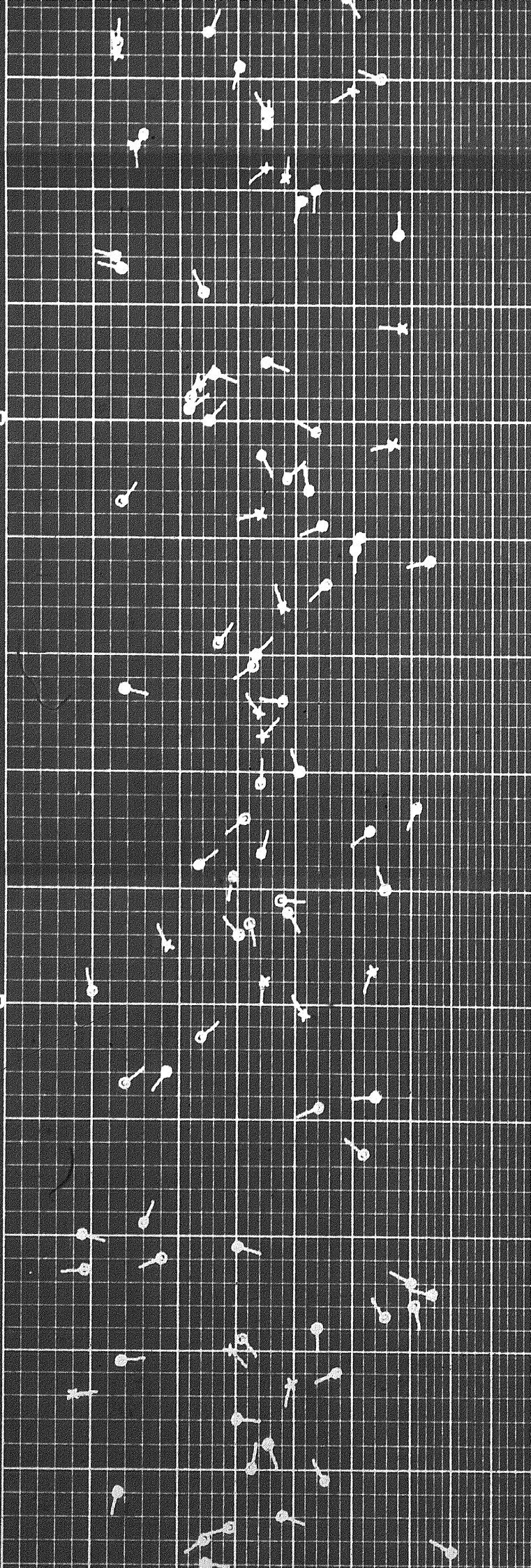
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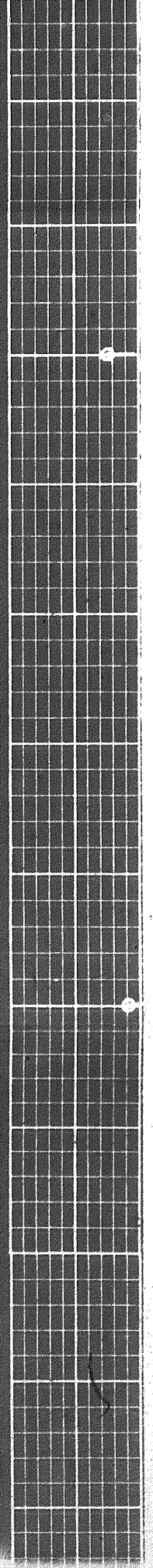
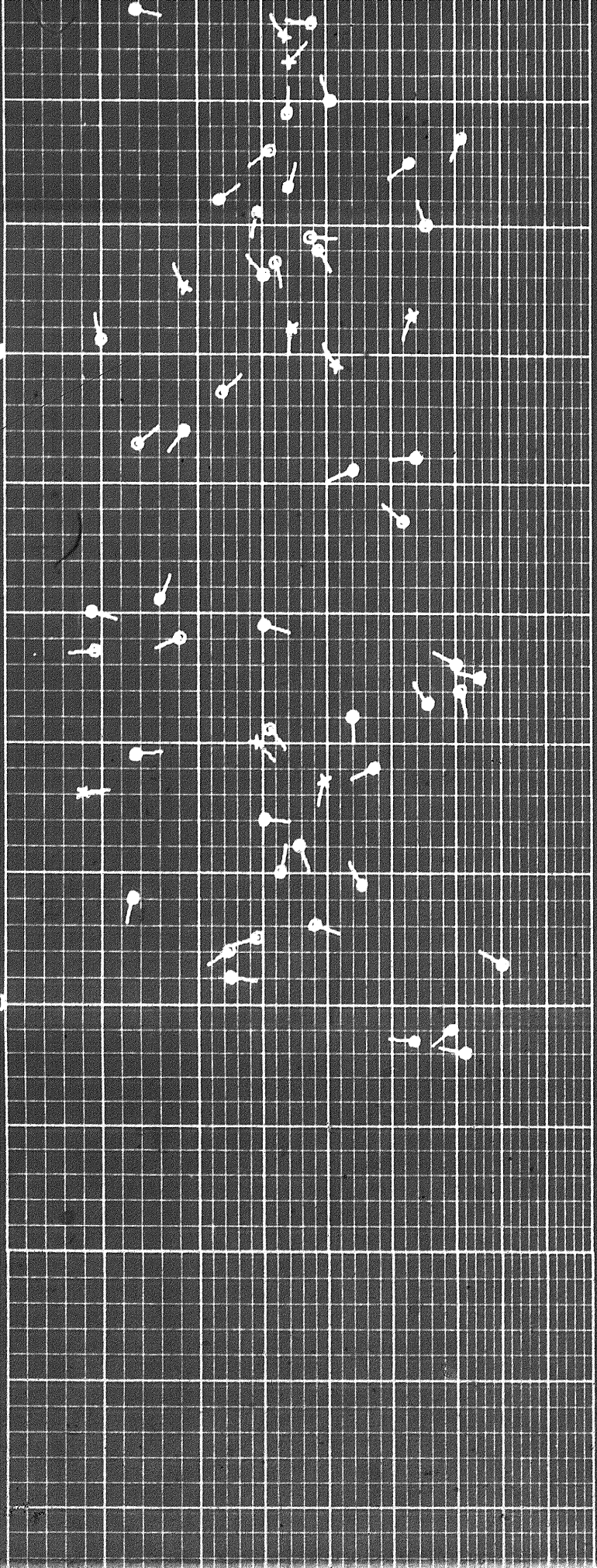
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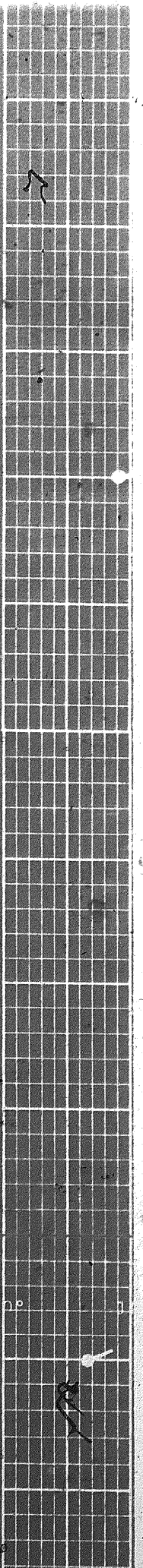
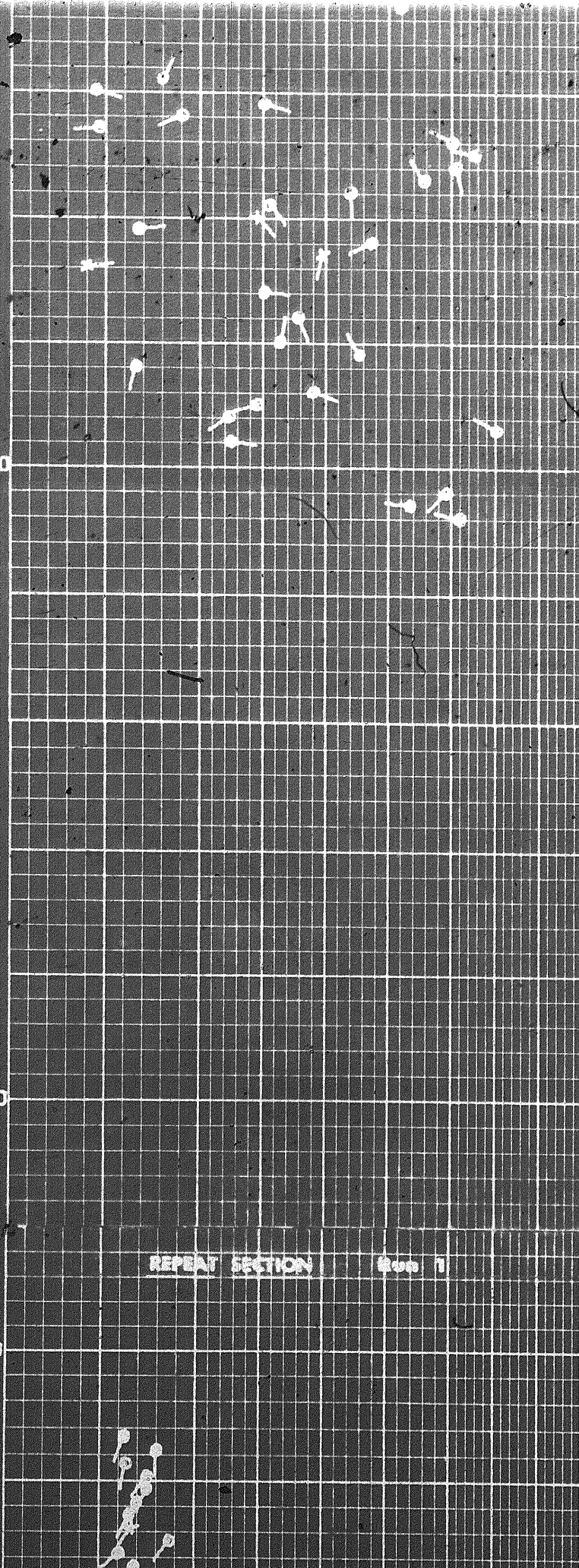
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4600

REPEAT SECTION 2000 11

2659F9

10555H



4600

2659F9 1055SH

4700

4800

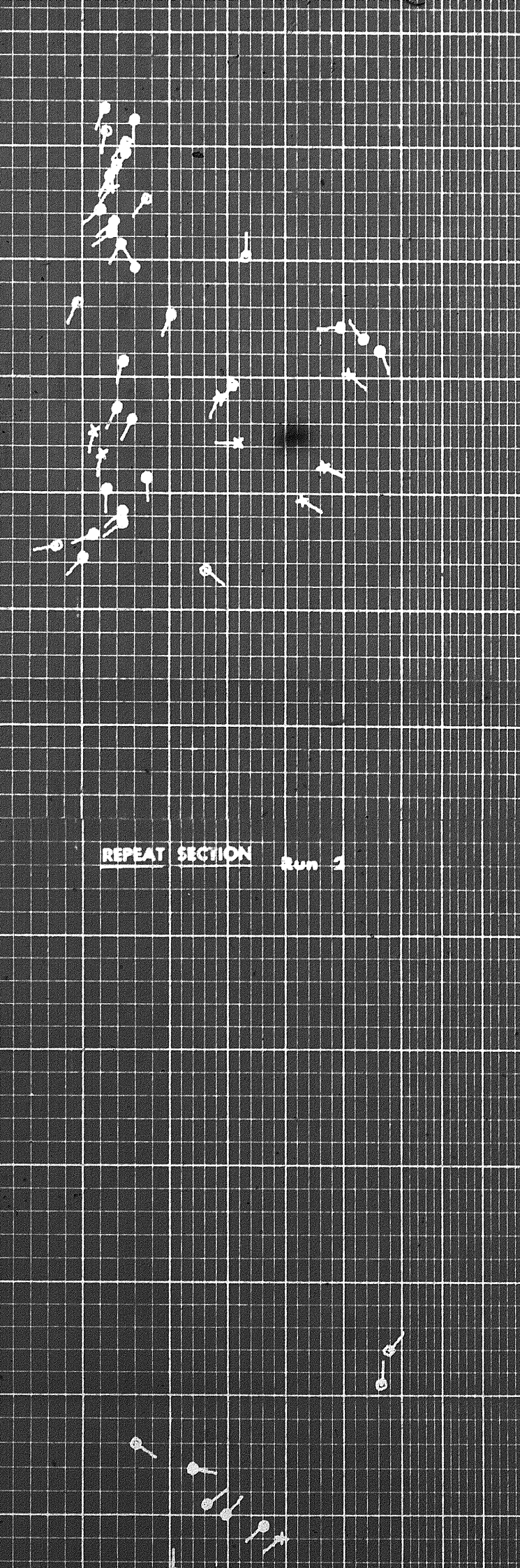
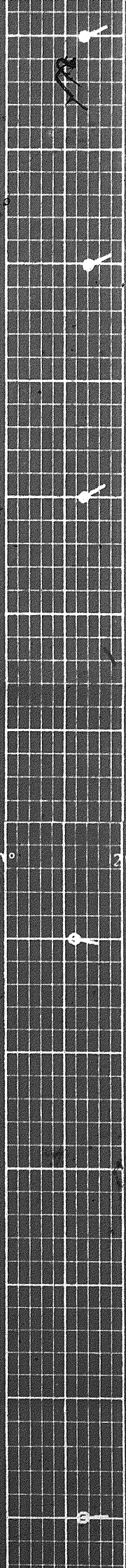
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REPEAT SECTION Run 2

8400

2692F1 4245H

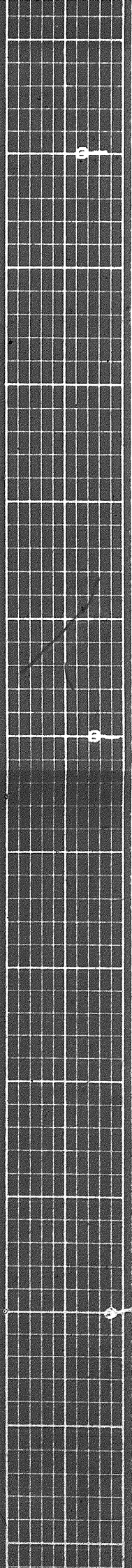
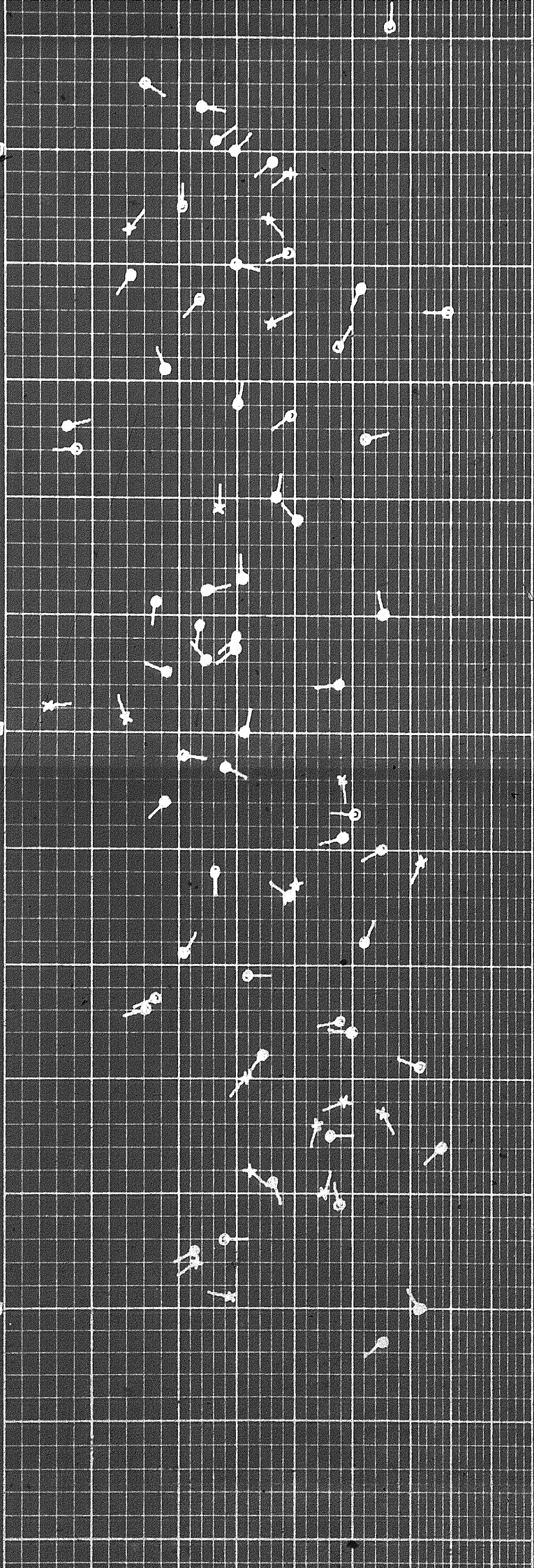
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8500

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8800

REPEAT SECTION

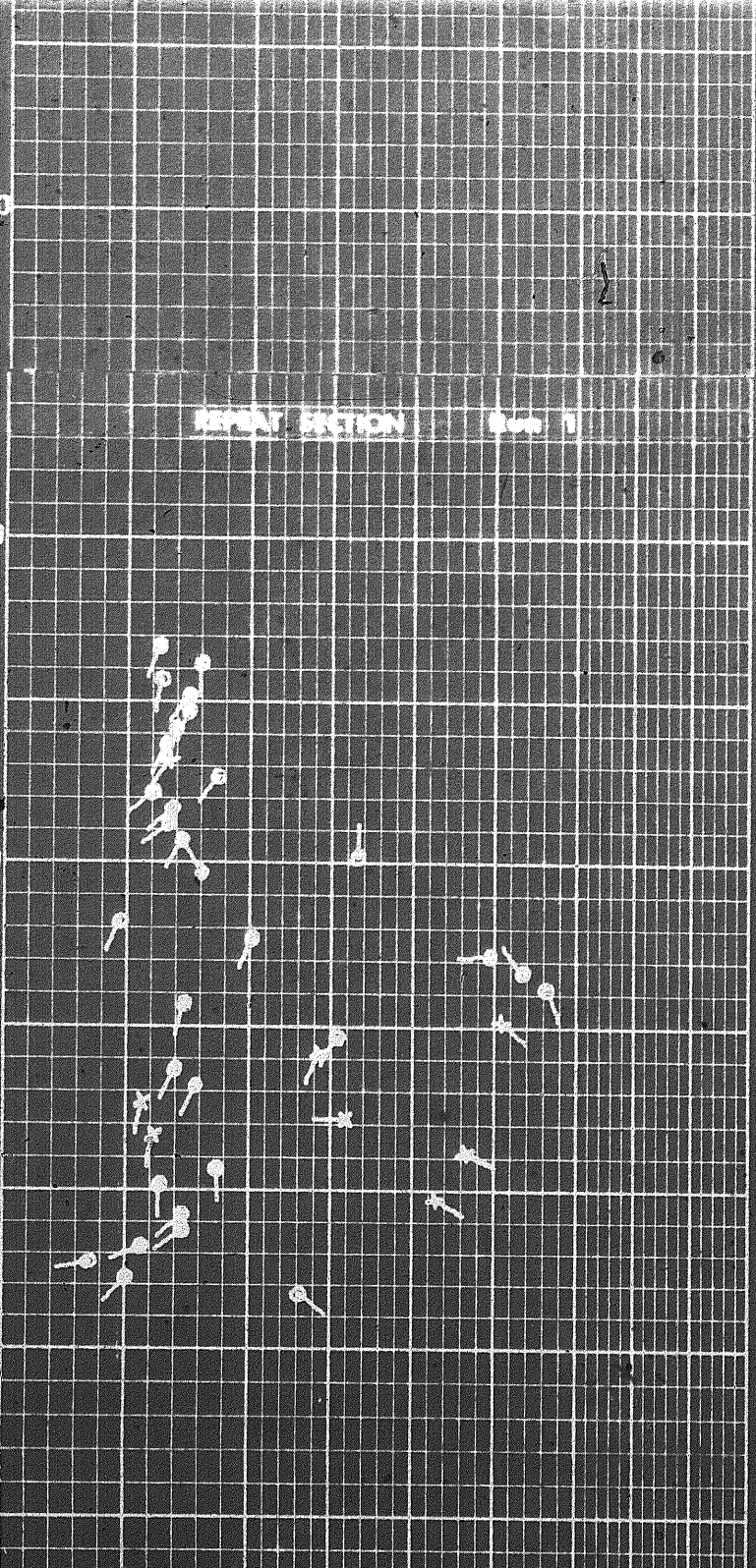
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2659P9 10555H

4700

4800

4900



4900

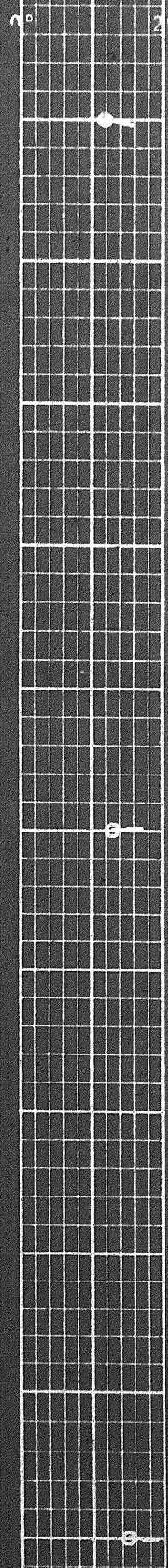
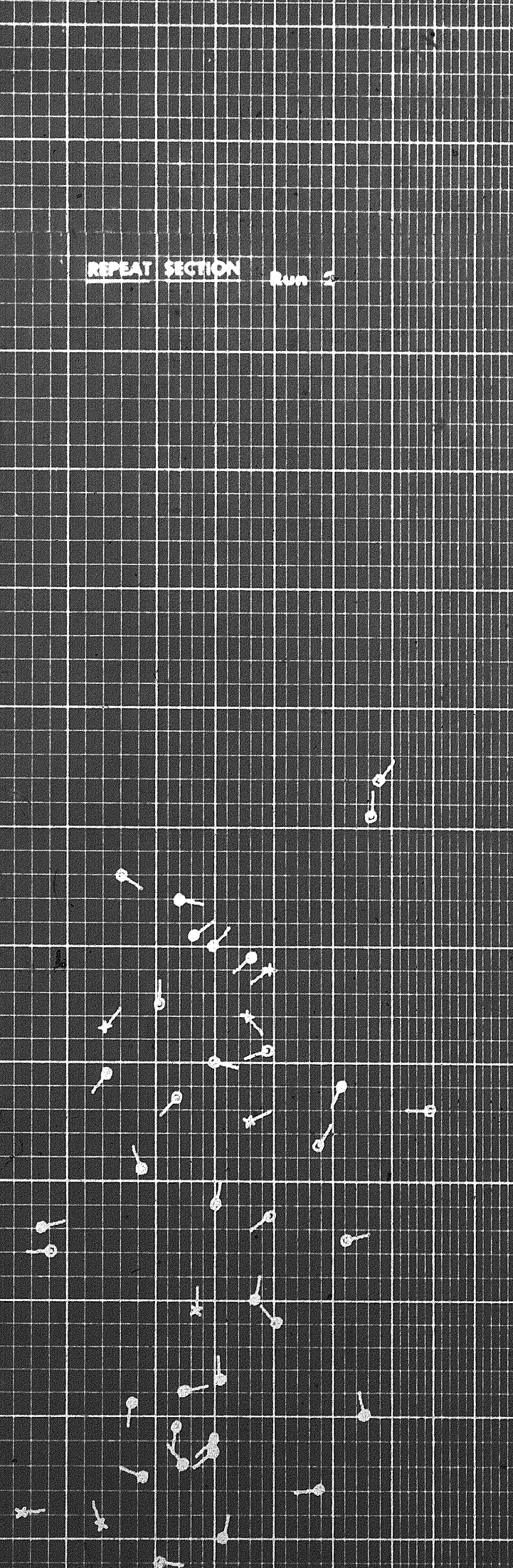
REPEAT SECTION Run 2

8400

2692F1
H245H

8500

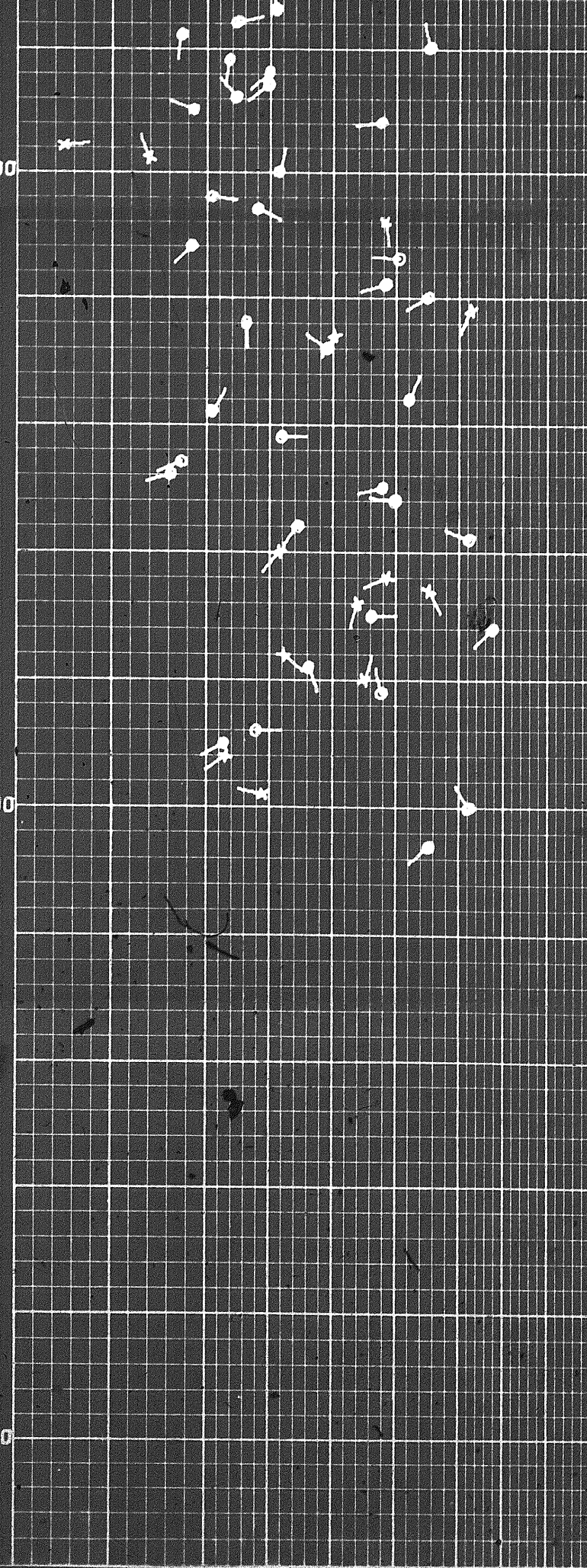
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8500

8700

8800



DEPTHS

TRUE DIP ANGLE

DRIFT &
TRUE DRIFT
DIRECTION
OF SONDE