

SCHLUMBERGER

FOUR-ARM
HIGH RESOLUTION
CONTINUOUS DIPMETER
COMPUTED

PROVINCE YUKON TERRITORIES
FIELD IOE SPRING RIVER YT
WELL N58
COMPANY IMPERIAL OIL ENTERPRISES LTD.

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WELL IOE SPRING RIVER YT N58
FIELD YUKON TERRITORIES
LOCATION 69° 07' 53" NORTH LAT
138° 44' 05" WEST LONG
Permanent Datum GL Elev. 304
Log Measured From KB 14 Ft. Above Perm. Datum
Drilling Measured From GL Elev. 318
GL 304
Other Services: MCS, SIC-GR
ICS, DIL, FDC,
CBF

Line	ONE	15 MAR 71
Pun No.	7009	
Depth Driller	6996	
Depth Logger	6996	
Bitm. Log Interval	1978	
Top Log Interval	1979	
Casing Driller	1978	
Casing Logger	1978	
Bit Size	9 1/2 "	
Type Fluid in Hole	GEL	
Dens.	9.2	62
Visc.		
pH	9.5	
Fluid Loss		
Source of Sample		
Rim @ Meas. Temp.	1.97	@ 89 °F
Rim @ Meas. Temp.	1.94	@ 81 °F
Rim @ Meas. Temp.	1.87	@ 84 °F
Source: Rimc	FLOWLINE	
Rim @ BHT		@ °F
Time Since Circ.		@ °F
Max. Rec. Temp.	120	°F
Equipment	HDT	°F
Truck No.	OSU-C 363	°F
Location	REMOTE	°F
Recorded By	NICKERSON	°F
Witnessed By	KAPTACK & STAPLES	°F

1 of

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							EMR 6050			

REMARKS
1st Run Service Order # 5697
Magnetic Declination 38° E

"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			1 mile (5280')	VERTICAL DISPLACEMENT FOR HORIZONTAL DISTANCES OF			
	100'	1000'			DIP ANGLES (degrees)	100'	1000'	1 mile (5280')
1	1.75	1.75		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.
7	12.3	123.		648.	25	46.6	466.	2462.
8	14.1	141.		742.	26	57.7	577.	3048.
9	15.8	158.		836.	27	70.0	700.	3697.
10	17.6	176.		931.	40	83.9	839.	4430.
11	19.4	194.		1026.	45	100.0	1000.	5280.
12	21.3	213.		1122.	50	119.2	1192.	6202.

5	8.8	88.	462.	23	42.5	425.	2241.
6	10.5	105.	555.	24	44.5	445.	2351.
7	12.3	123.	648.	25	46.6	466.	2462.
8	14.1	141.	742.	26	57.7	577.	3048.
9	15.8	158.	836.	27	70.0	700.	3697.
10	17.6	176.	931.	40	83.9	839.	4430.
11	19.4	194.	1026.	45	100.0	1000.	5280.
12	21.3	213.	1122.	50	119.2	1192.	6293.
13	23.1	231.	1219.	55	142.8	1428.	7540.
14	24.9	249.	1316.	60	173.2	1732.	9145.
15	26.8	268.	1415.	65	214.4	2144.	11323.
16	28.7	287.	1514.	70	274.8	2748.	14507.
17	30.6	306.	1614.	75	373.2	3732.	19705.
18	32.5	325.	1716.	80	567.1	5671.	29945.

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

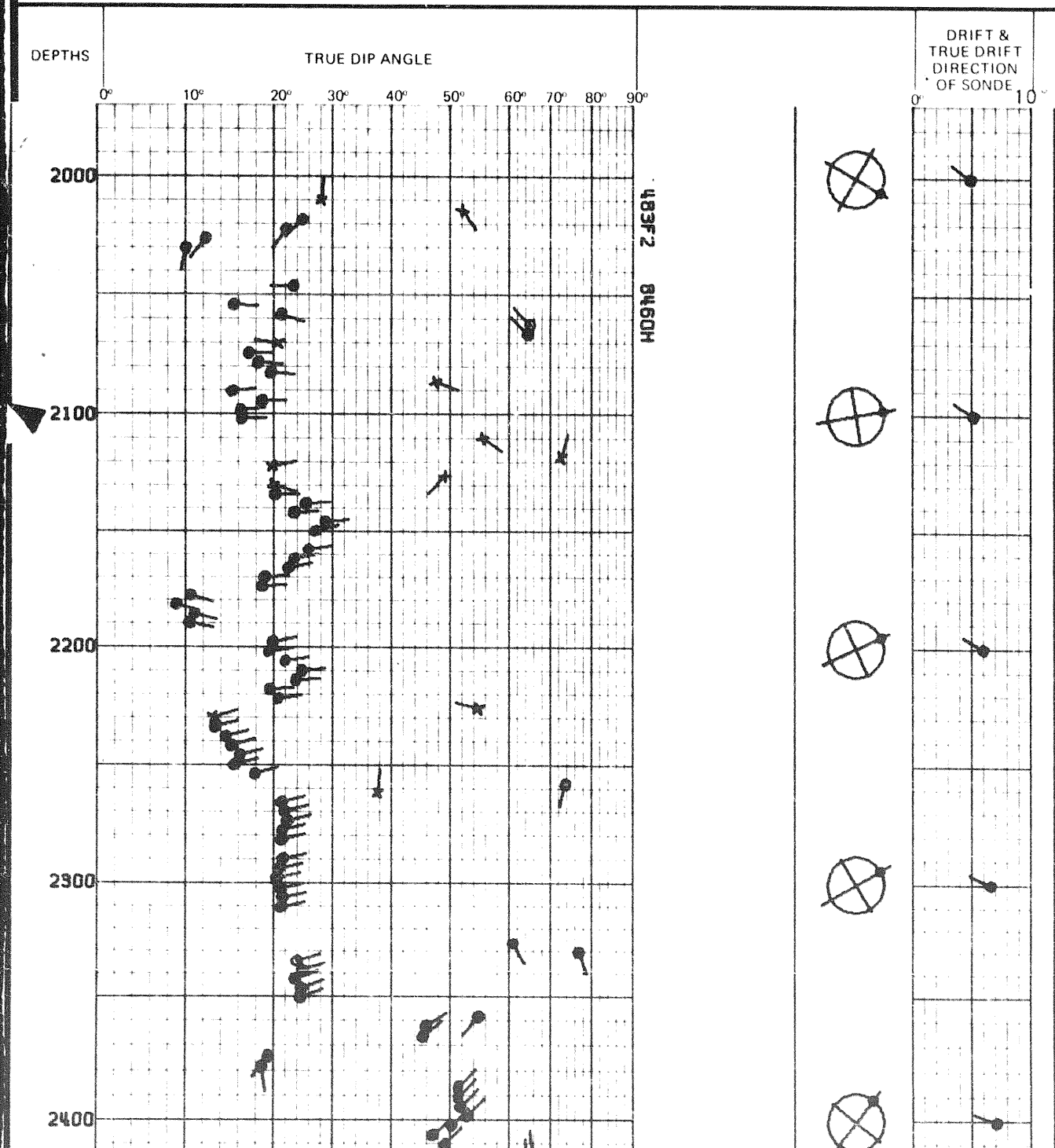
Example: The formation dip is 16 degrees. The vertical displacement occurring at a spot 660 feet away from the well is desired. The table shows 28.7 feet per 100 feet for 16° dip. Therefore $28.7 \times 6.60 = 189.42$, or 189. feet.



GRAPHIC PRESENTATION

CORRELATION RATING

- GOOD
- FAIR
- ✕ POOR



2400

2500

2600

2700

2600

2700

2800



202

2800

2900

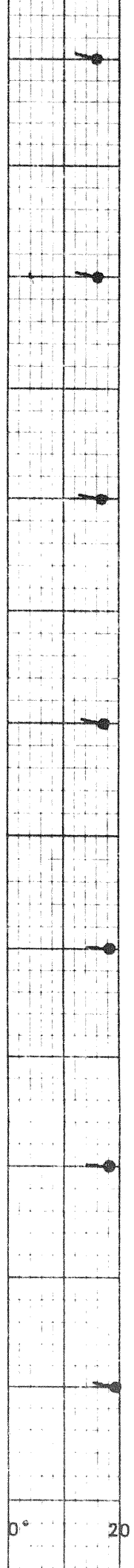
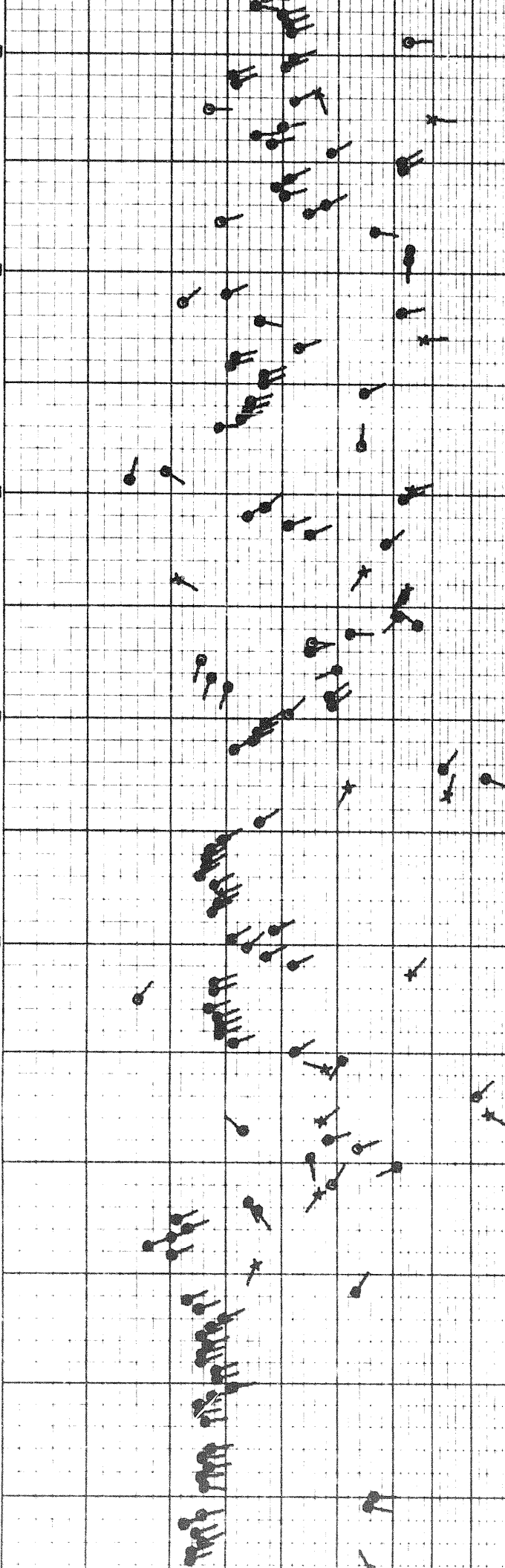
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3100

3200

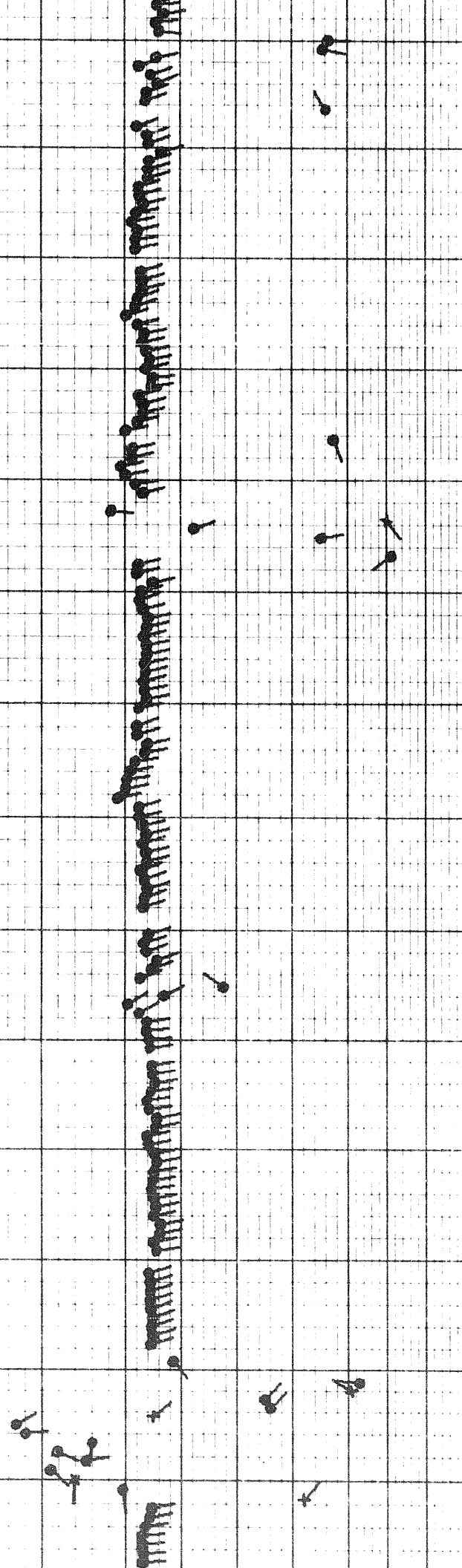
3300

3400



0° 20°

3500
3600
3700
3800
3900
4000
4100

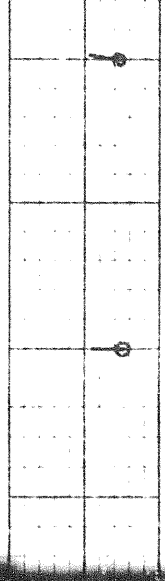
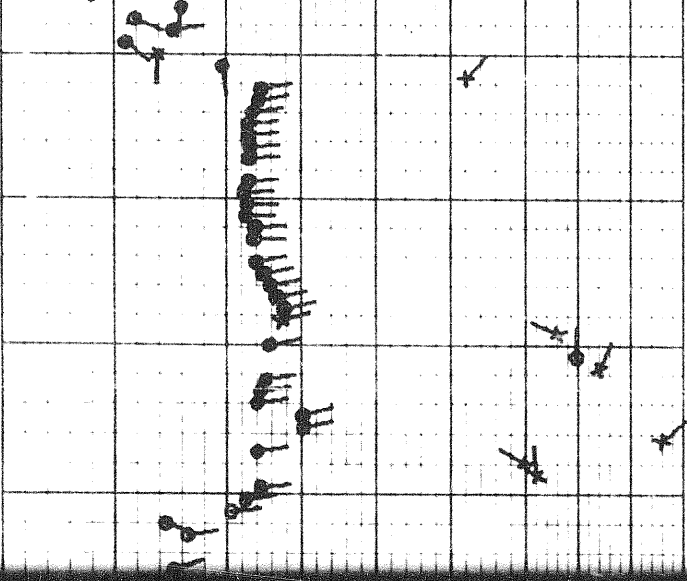


0° 20°



4100

4200



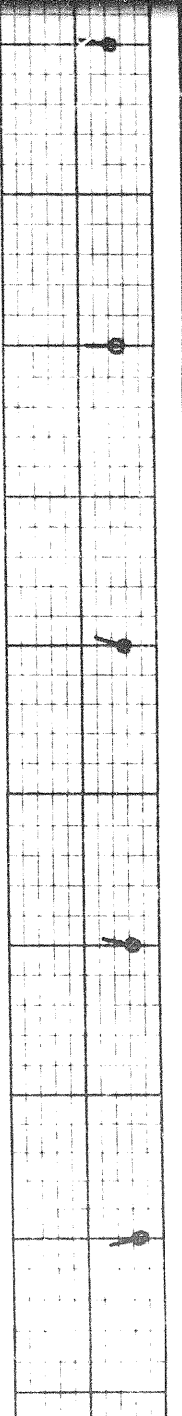
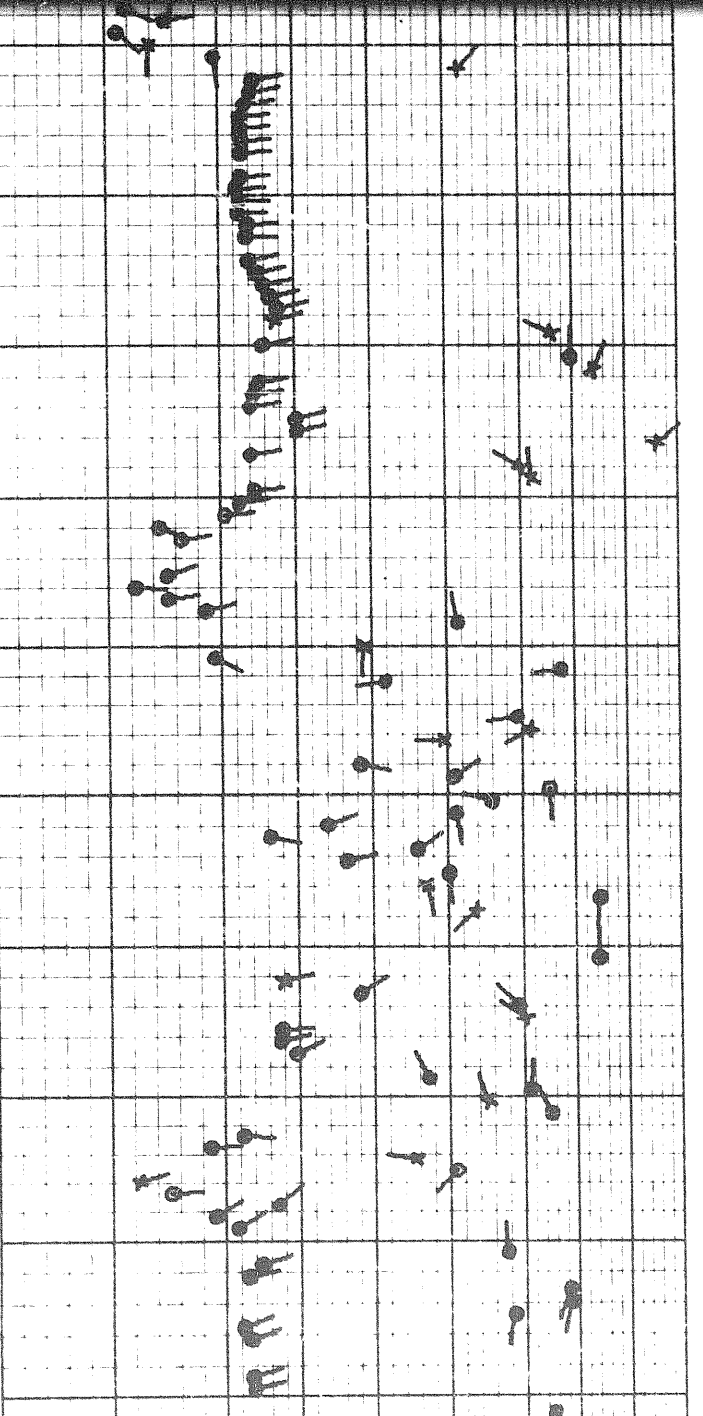
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4200

4300

4400

4500



3 of

4500

4600

4700

4800

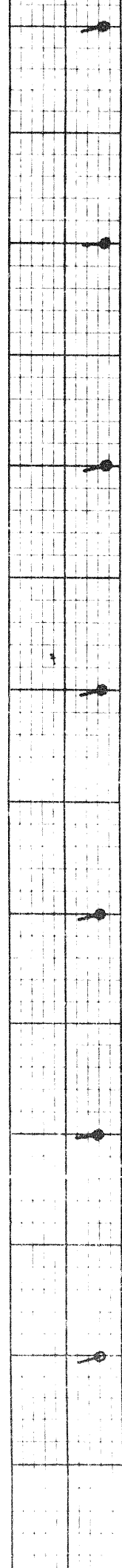
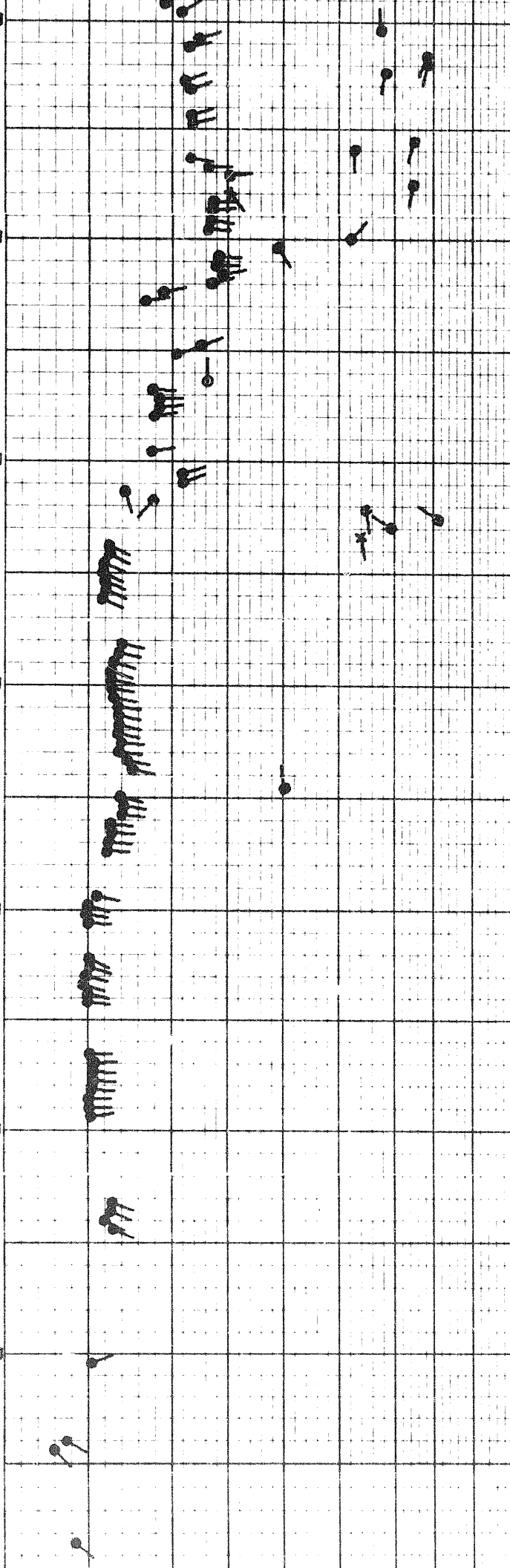
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5000

5100

F1 8460H

F1 4460H



5200

5300

5400

5500

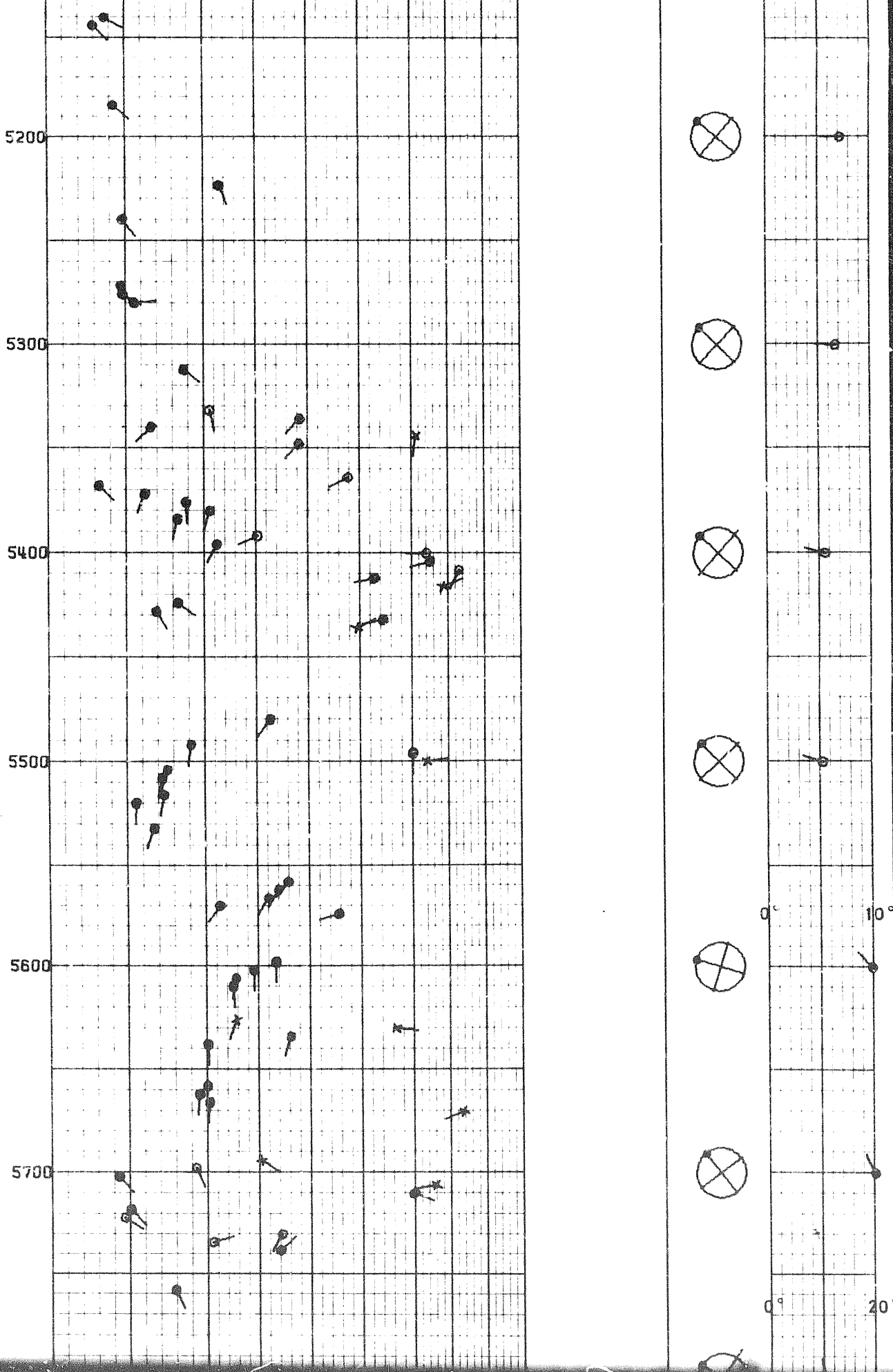
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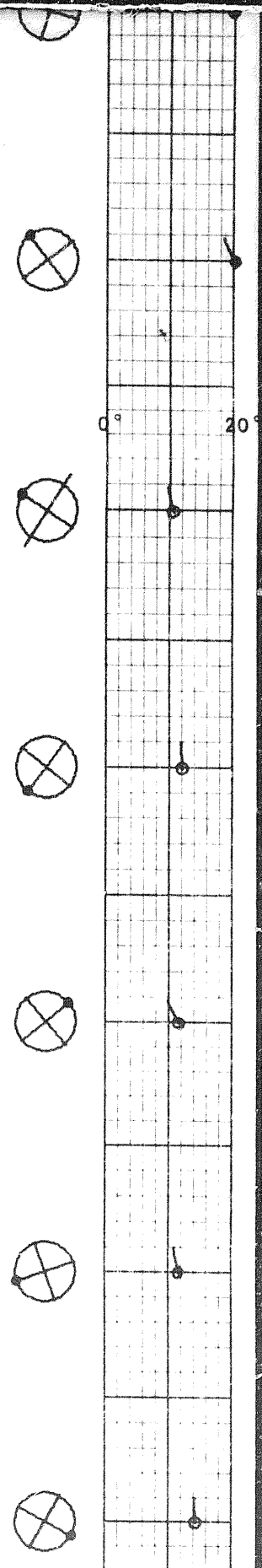
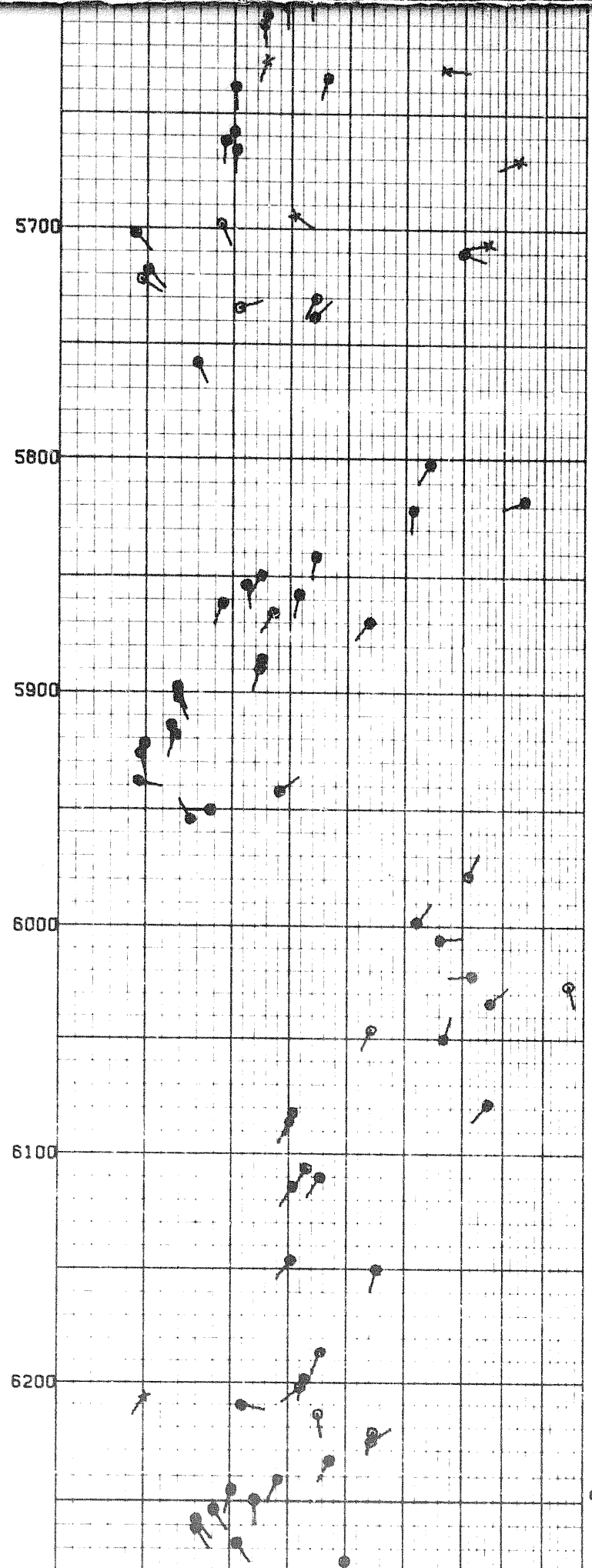


0° 10°

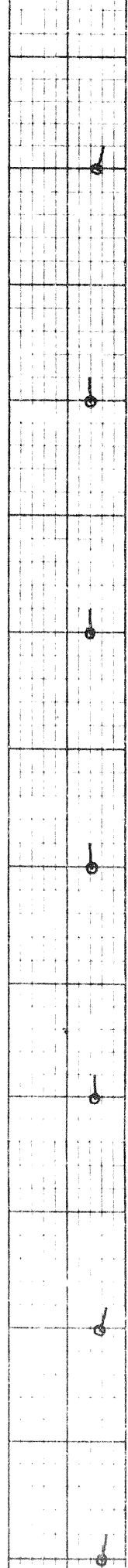
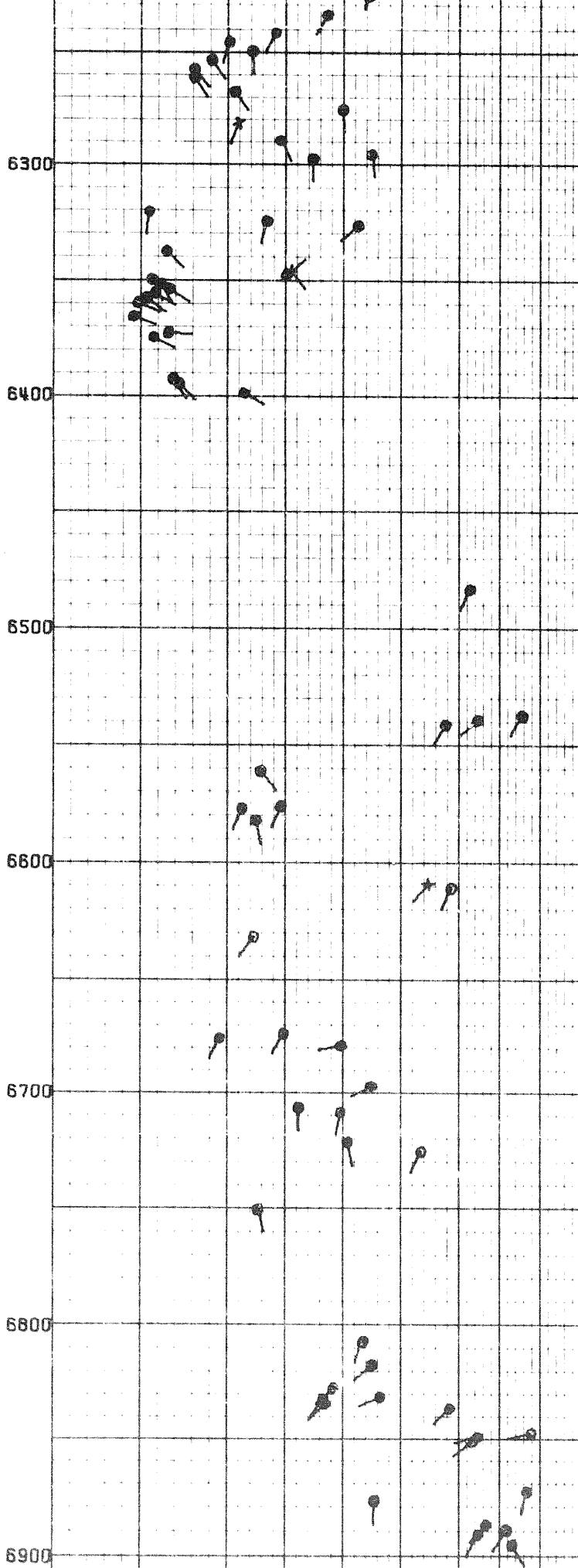
0° 20°



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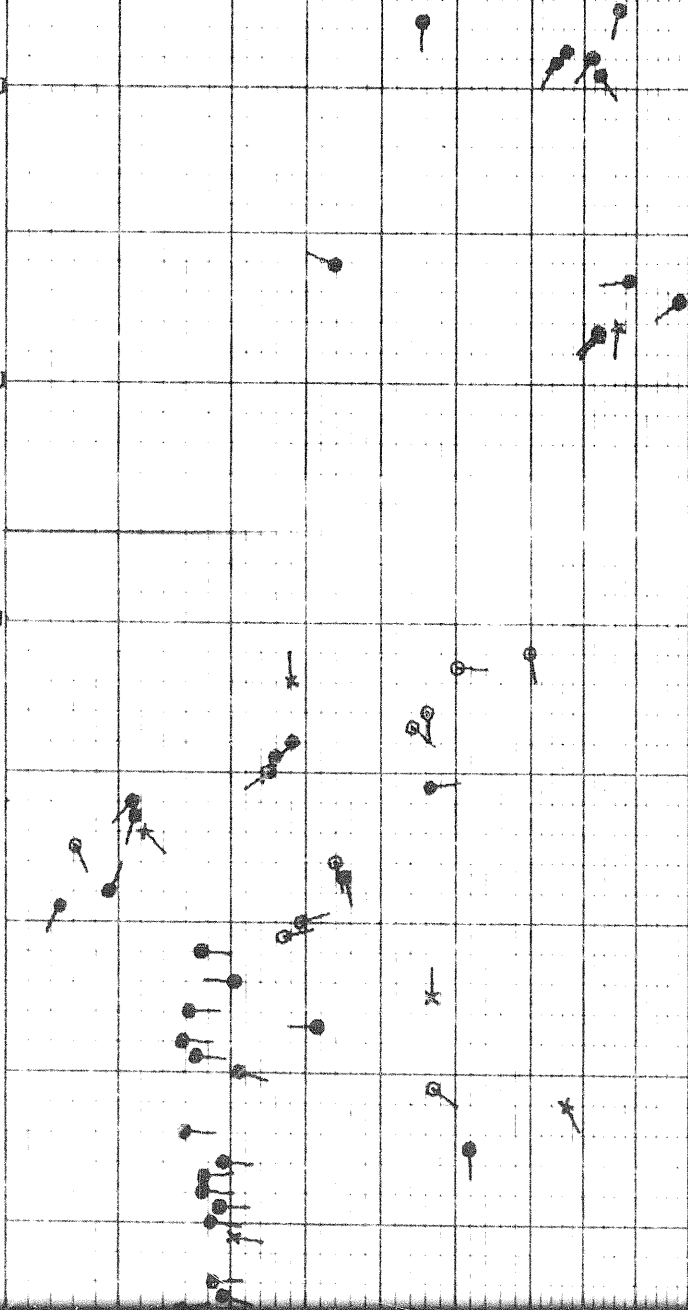
FILE 1



6900

7000

2000



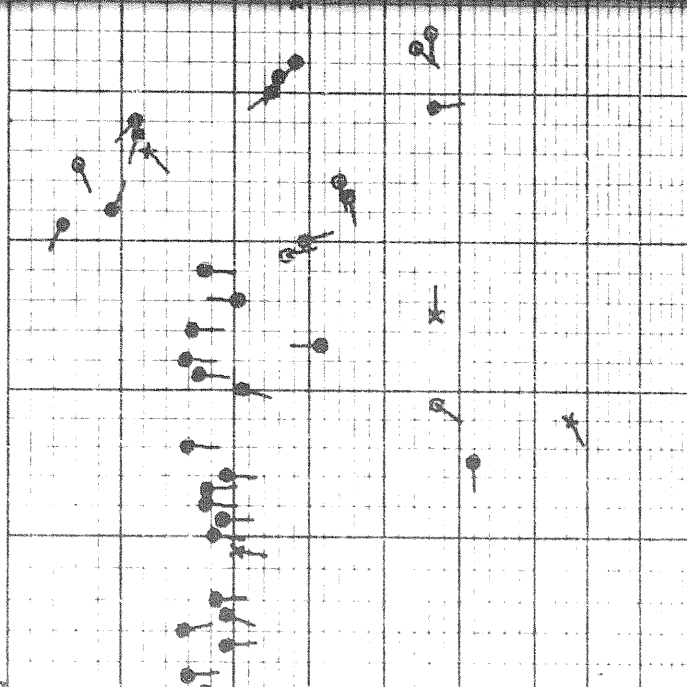
483F2 4245H



0°

10°

2100



F2 4245H

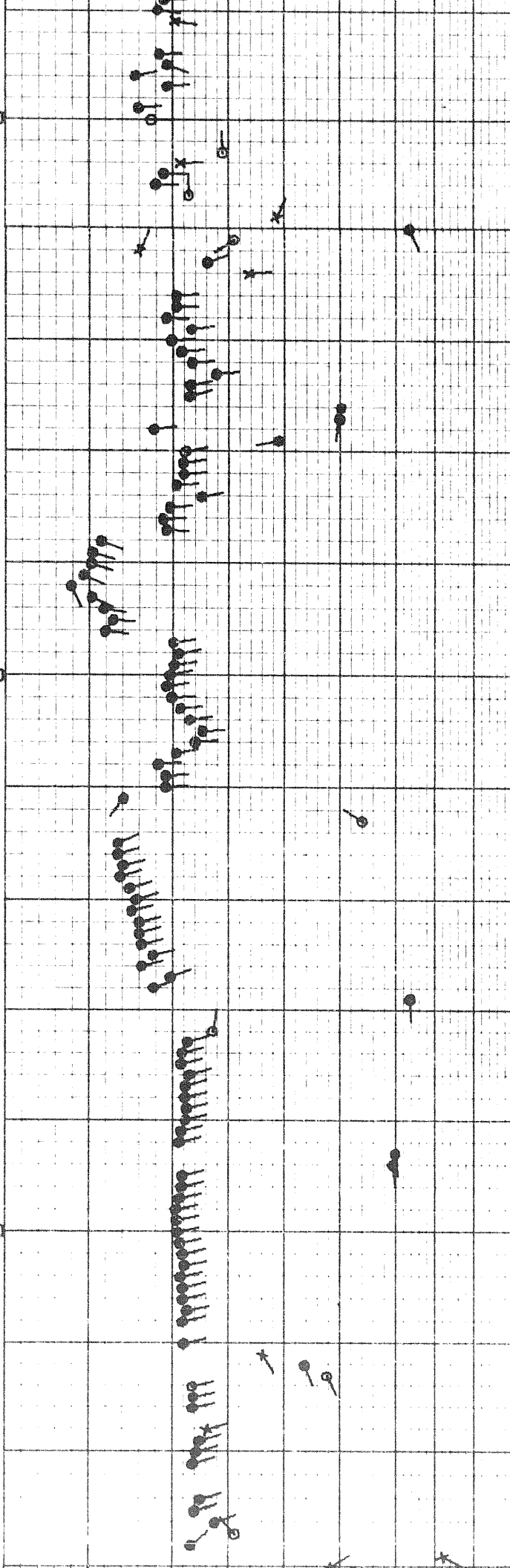


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2100

2200

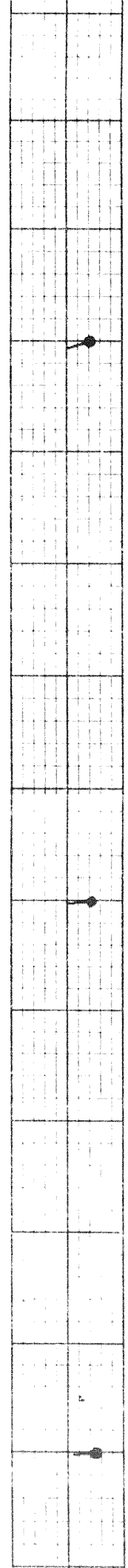
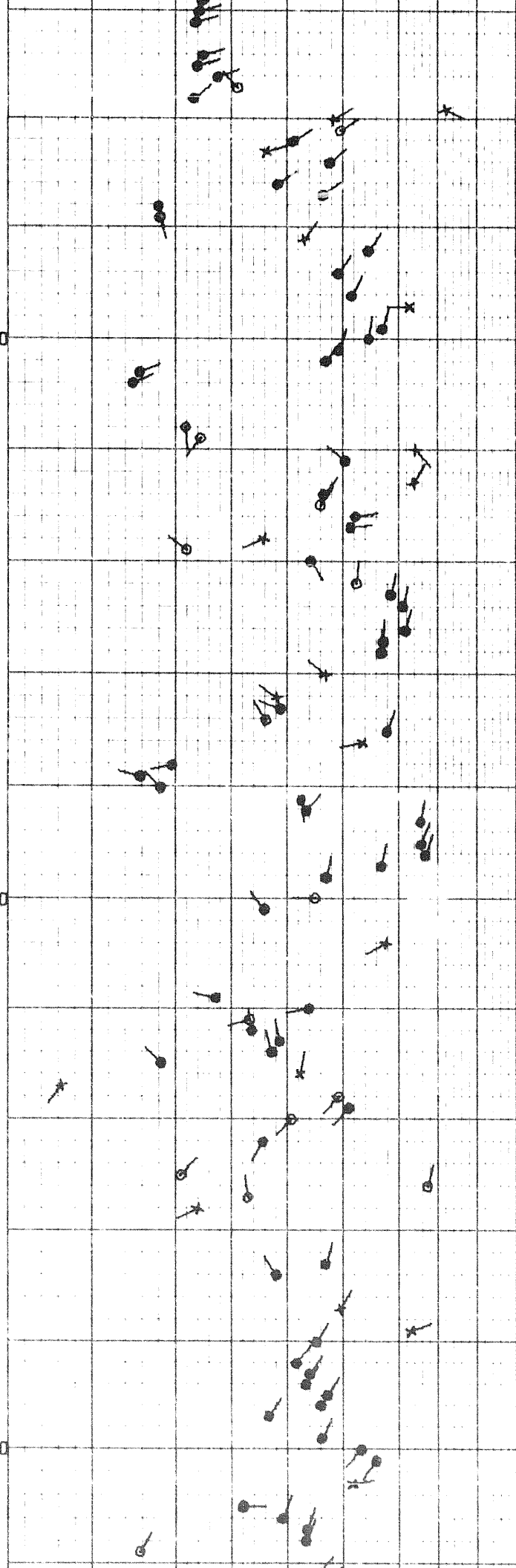
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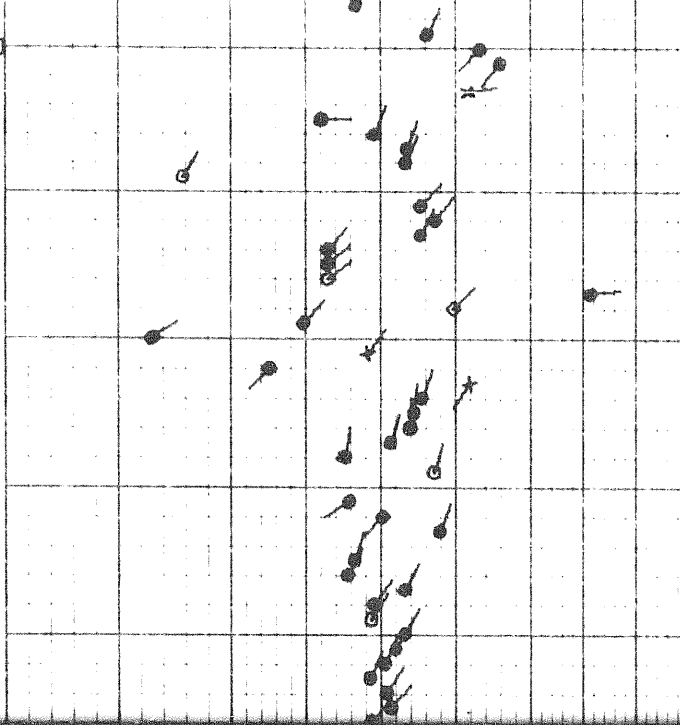
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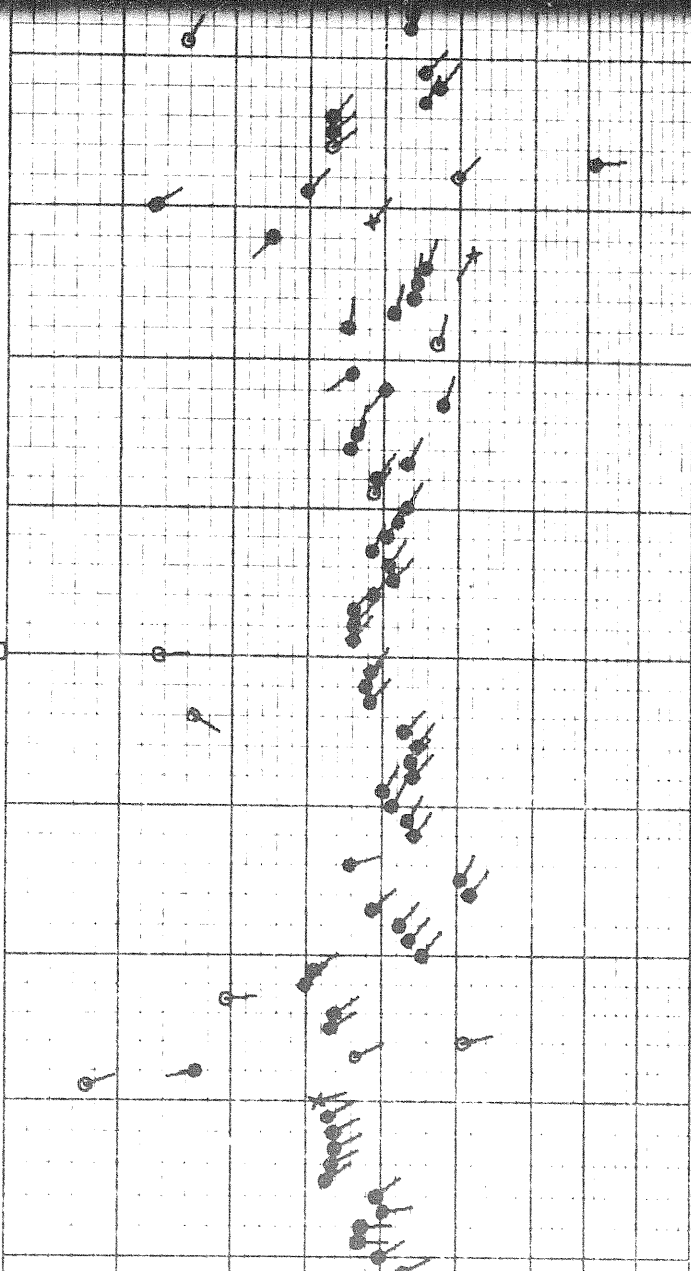
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2600



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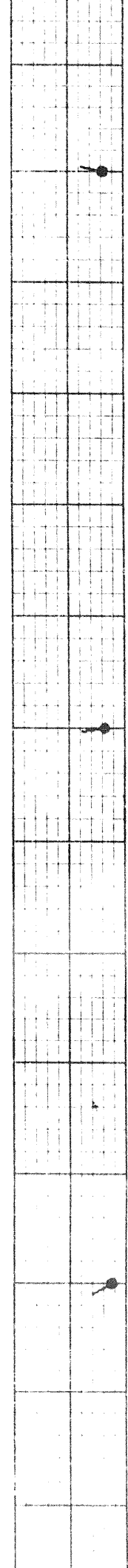
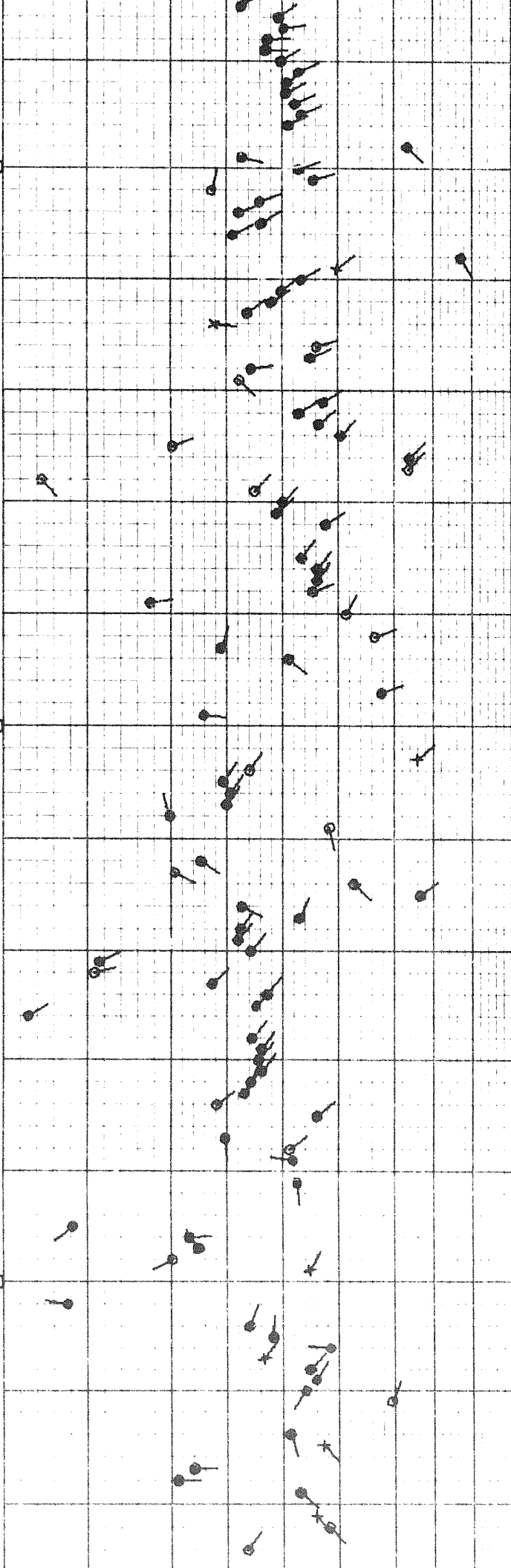


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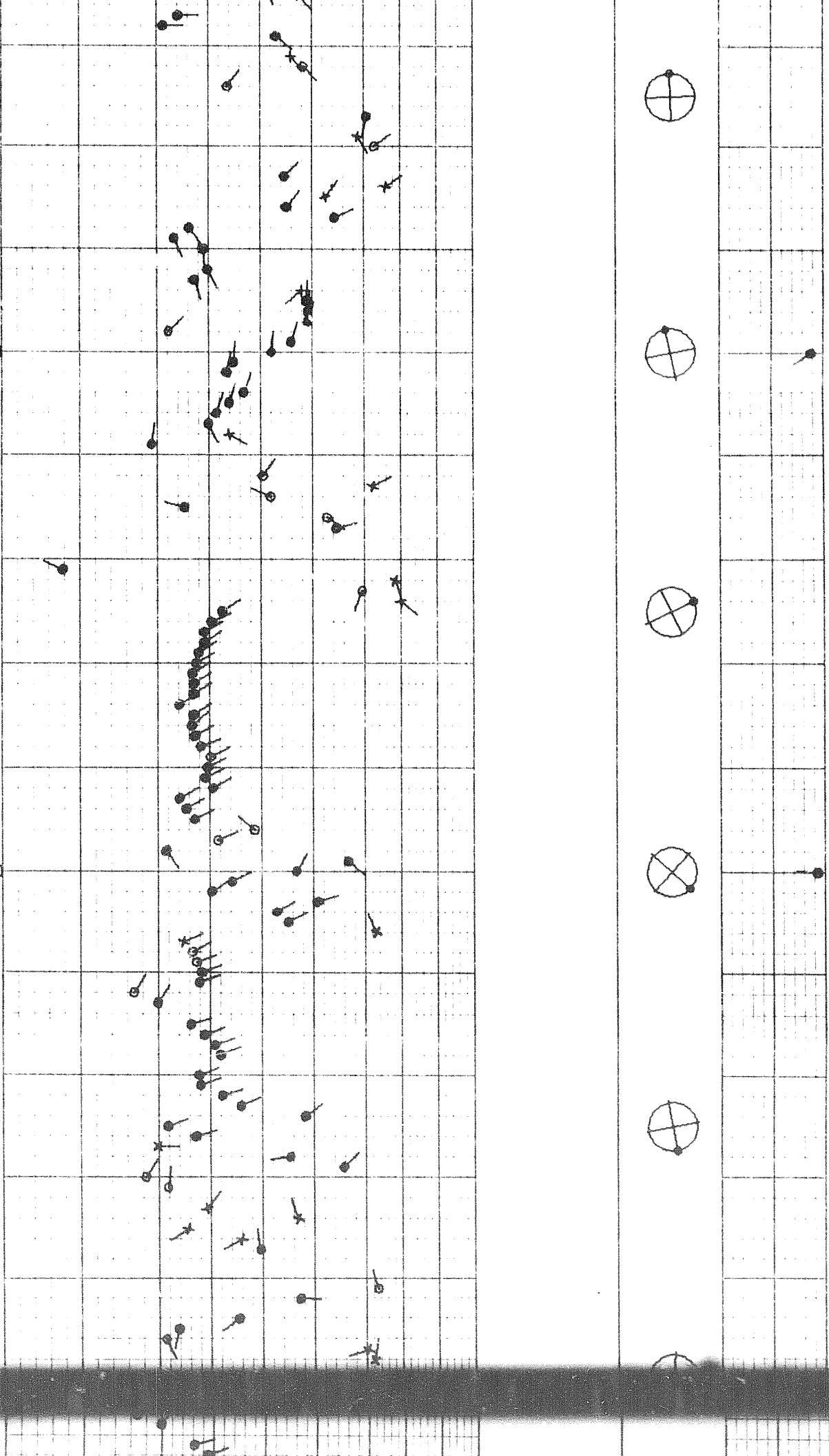
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3000



3100

3200

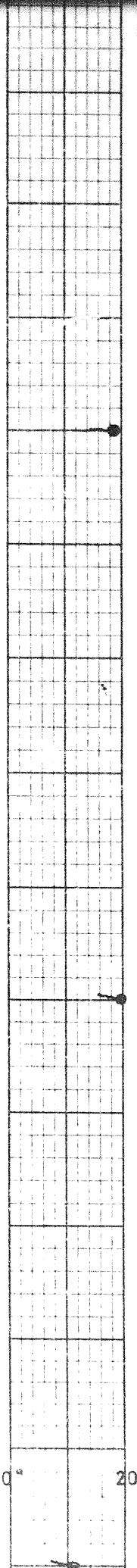
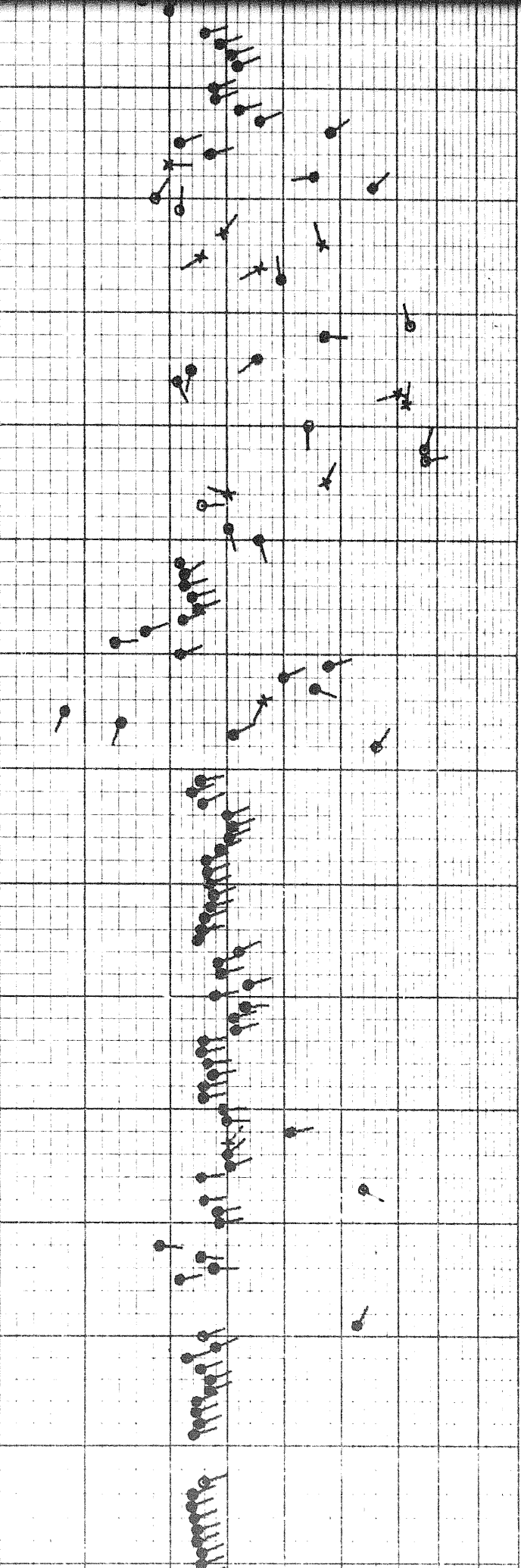


701

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3400

3500



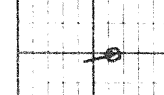
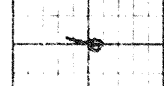
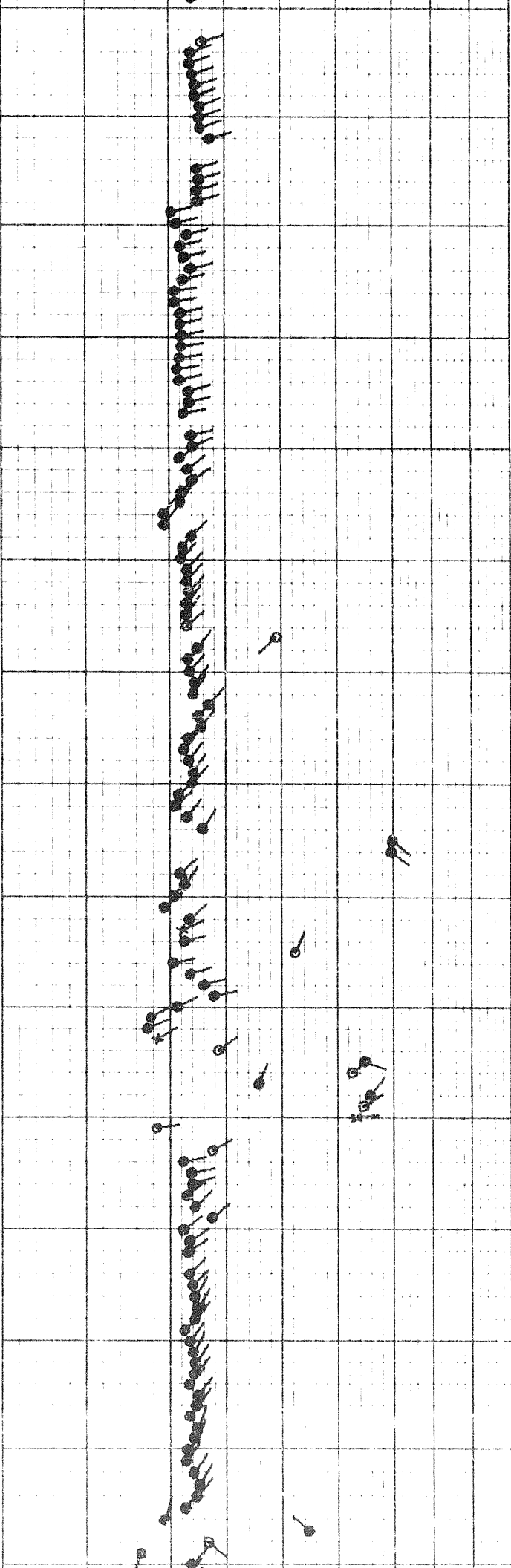
0° 20°

3500

3600

3700

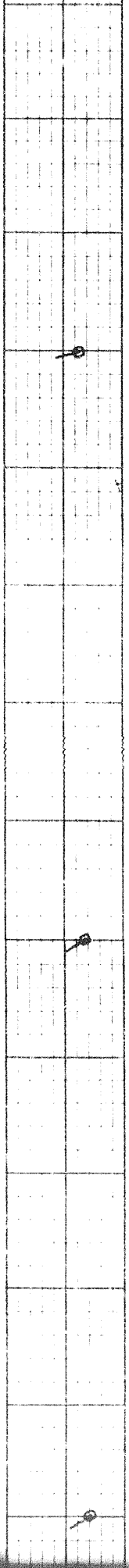
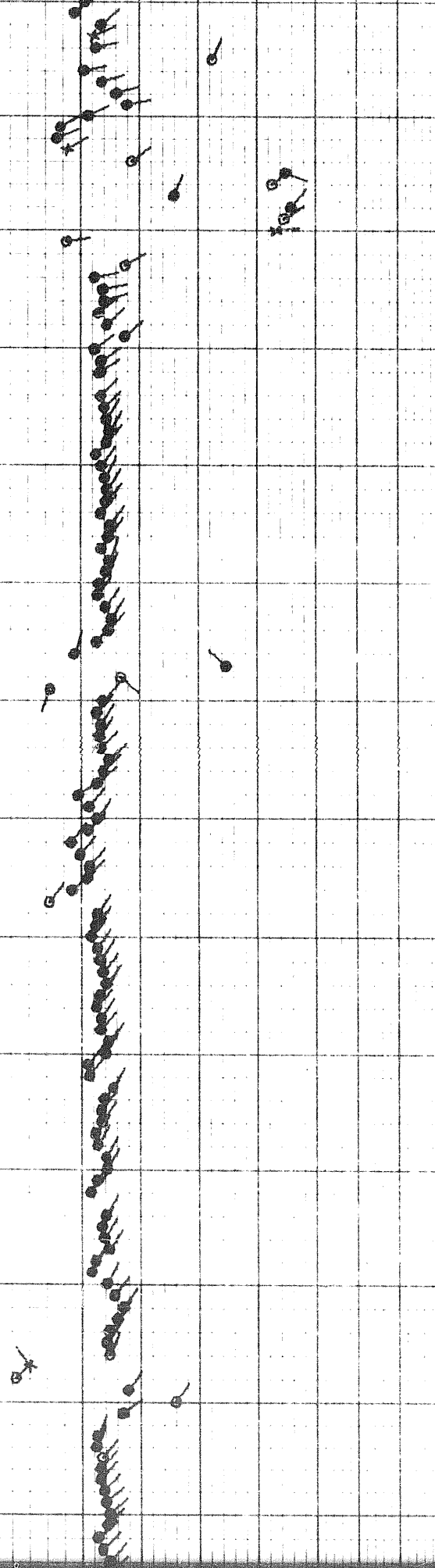
0° 20°



3700

3800

3900

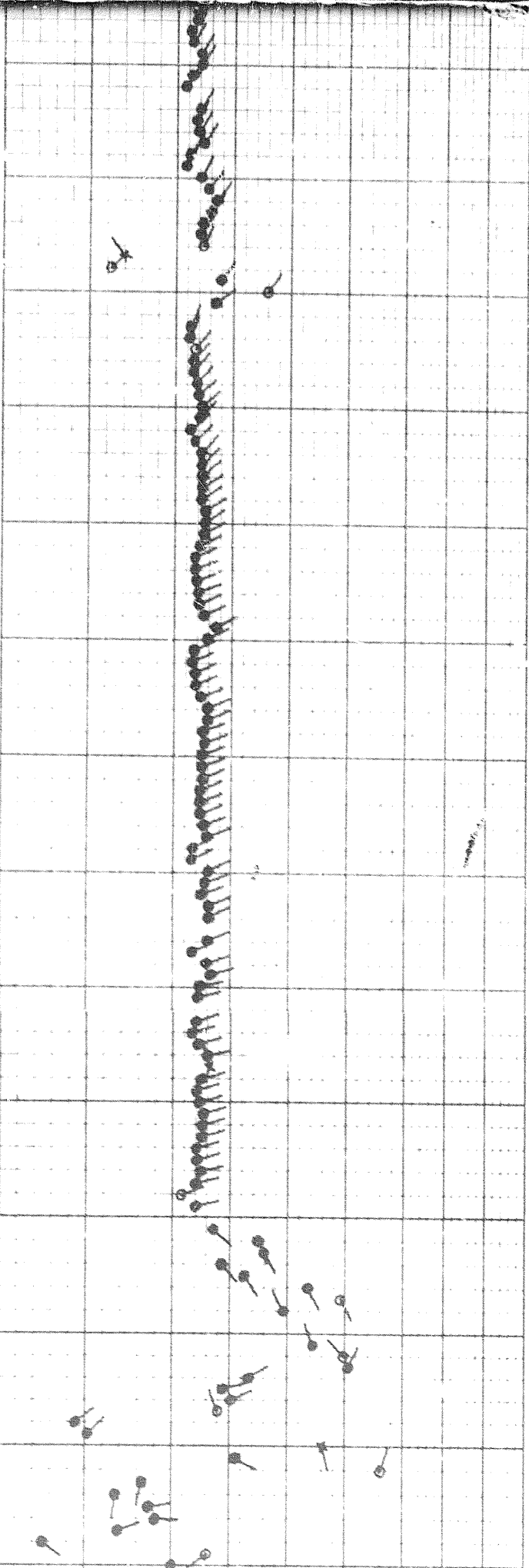


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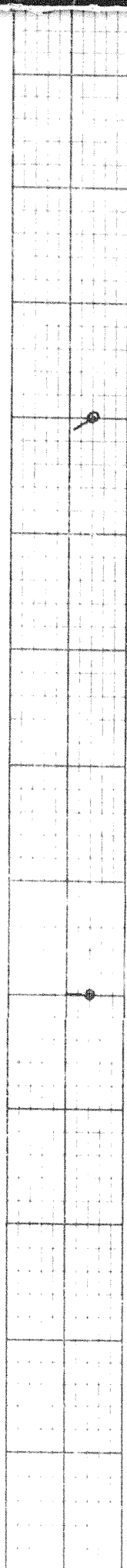
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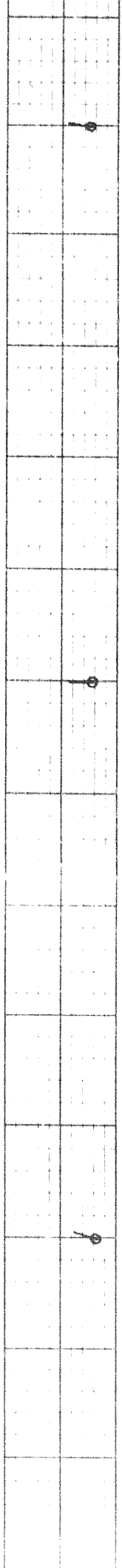
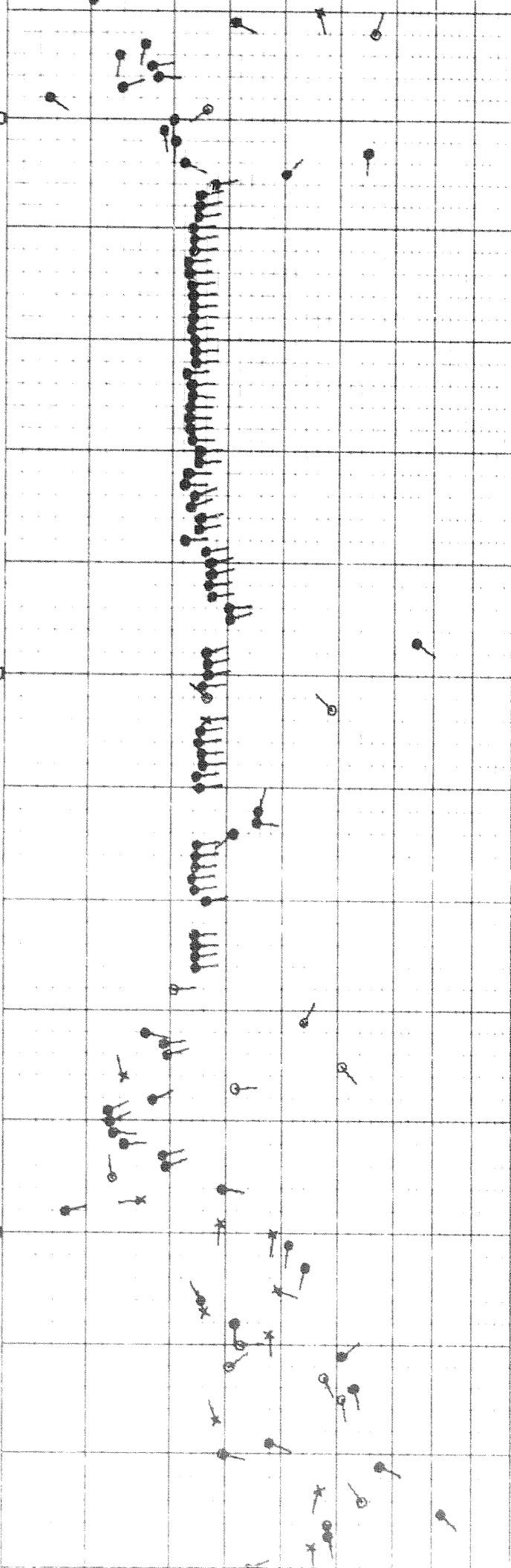
SL RB
-2 4245H



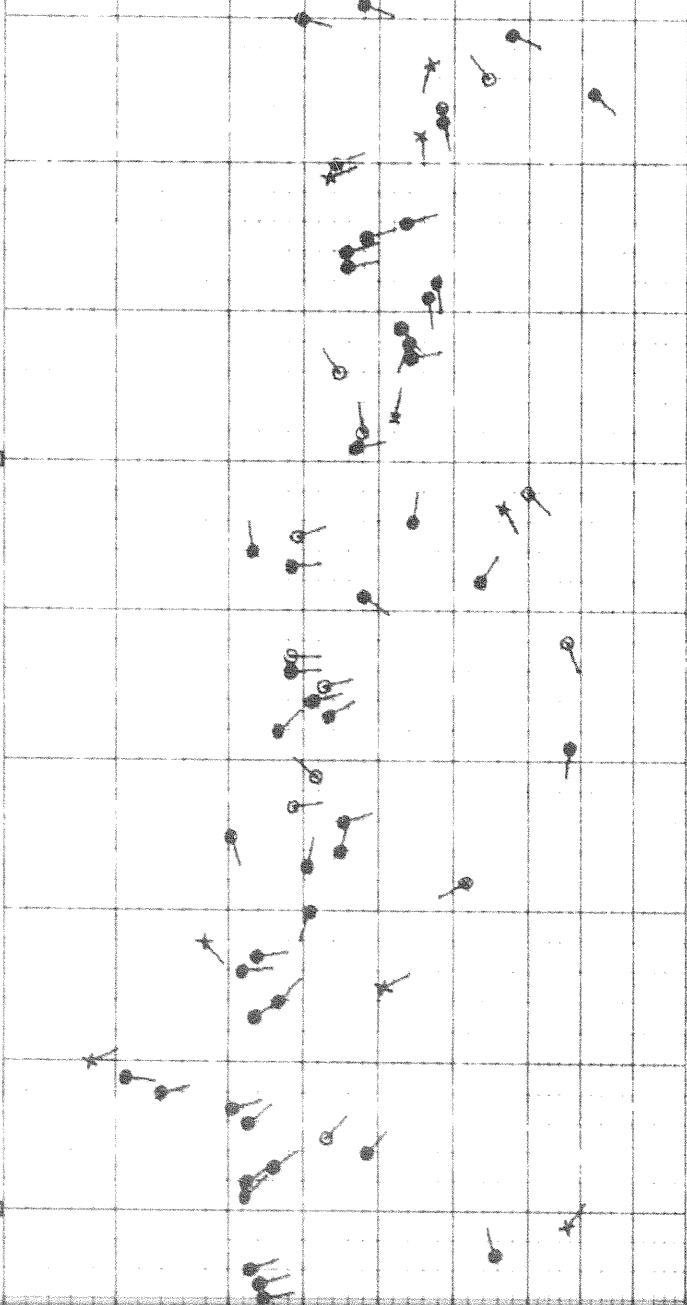
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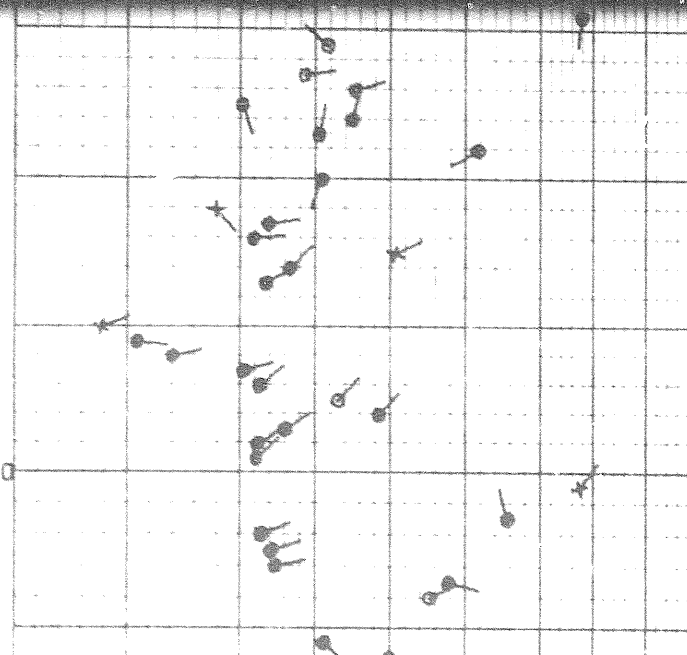
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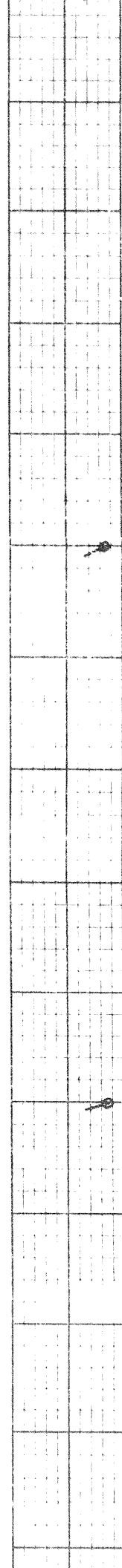
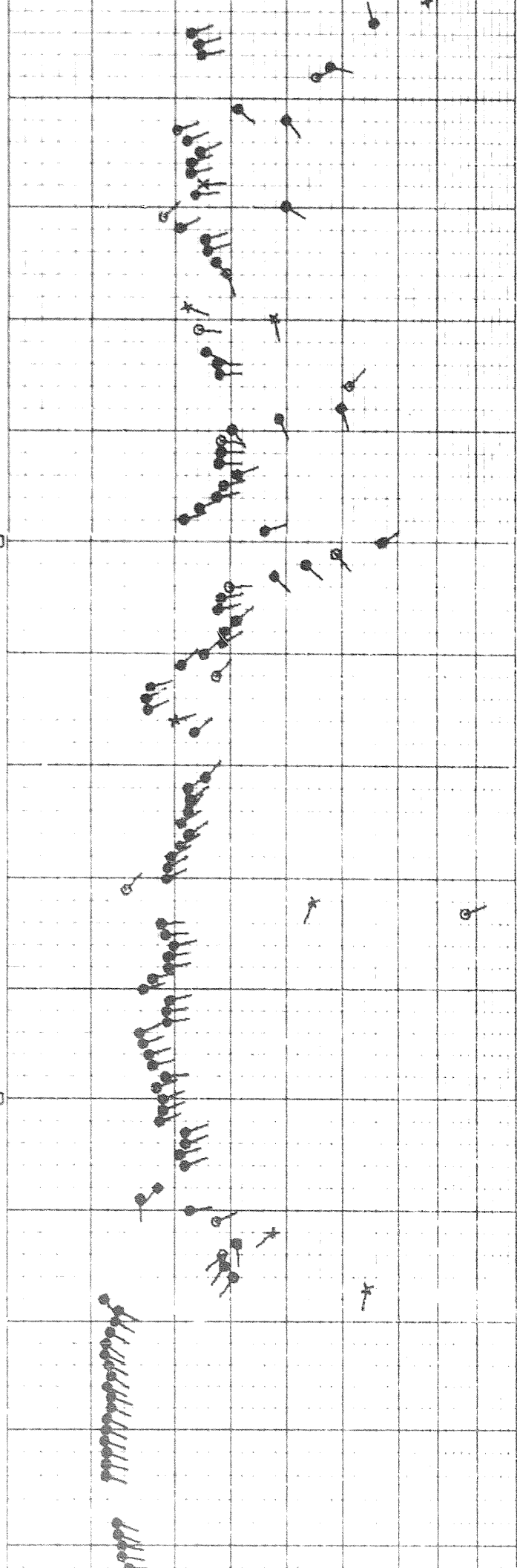


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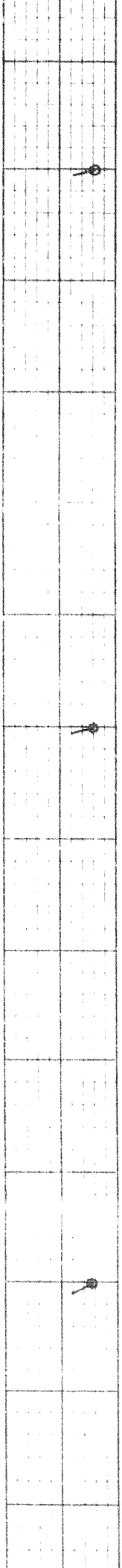
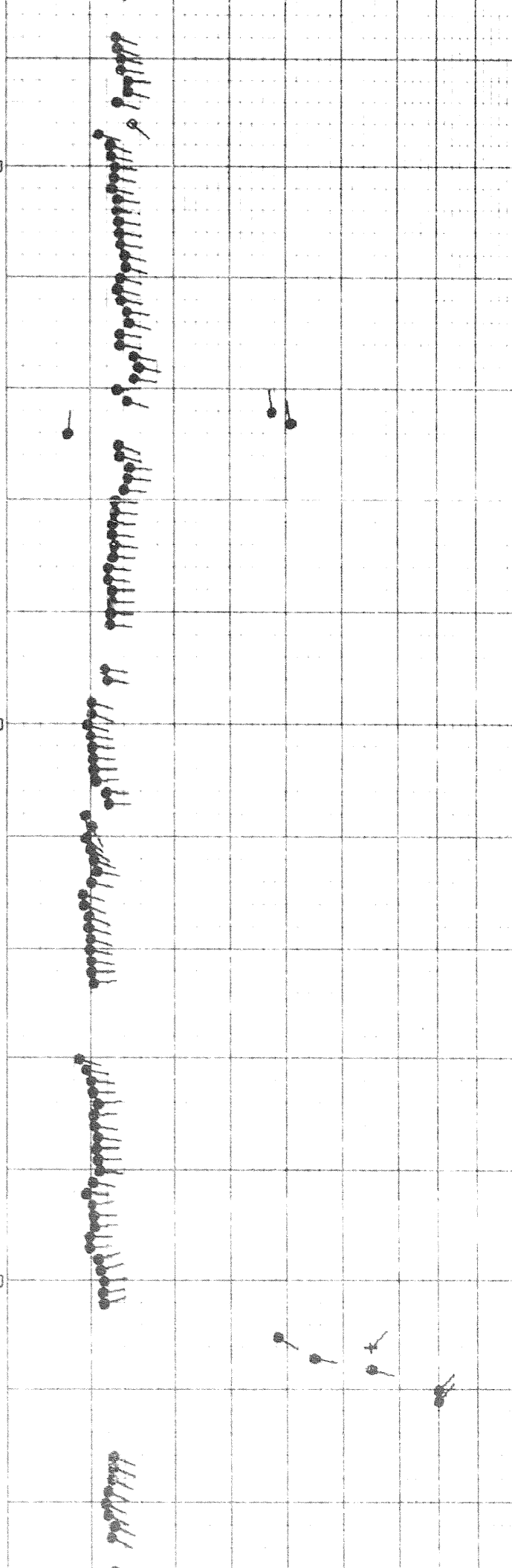
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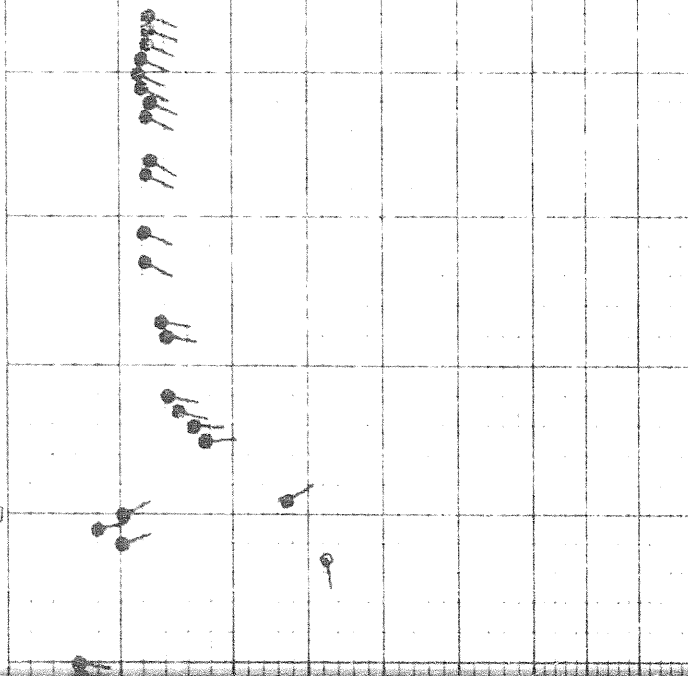
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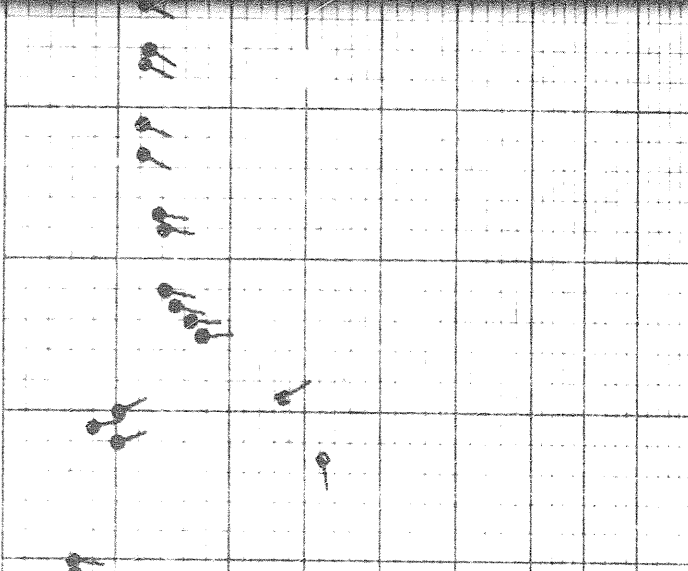
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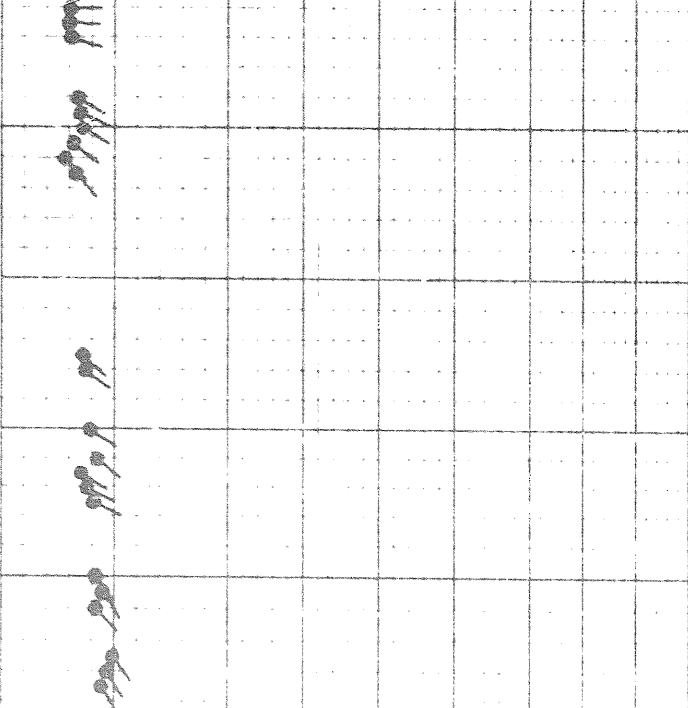
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5100



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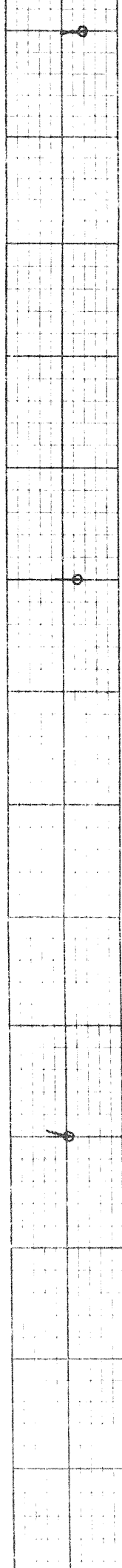
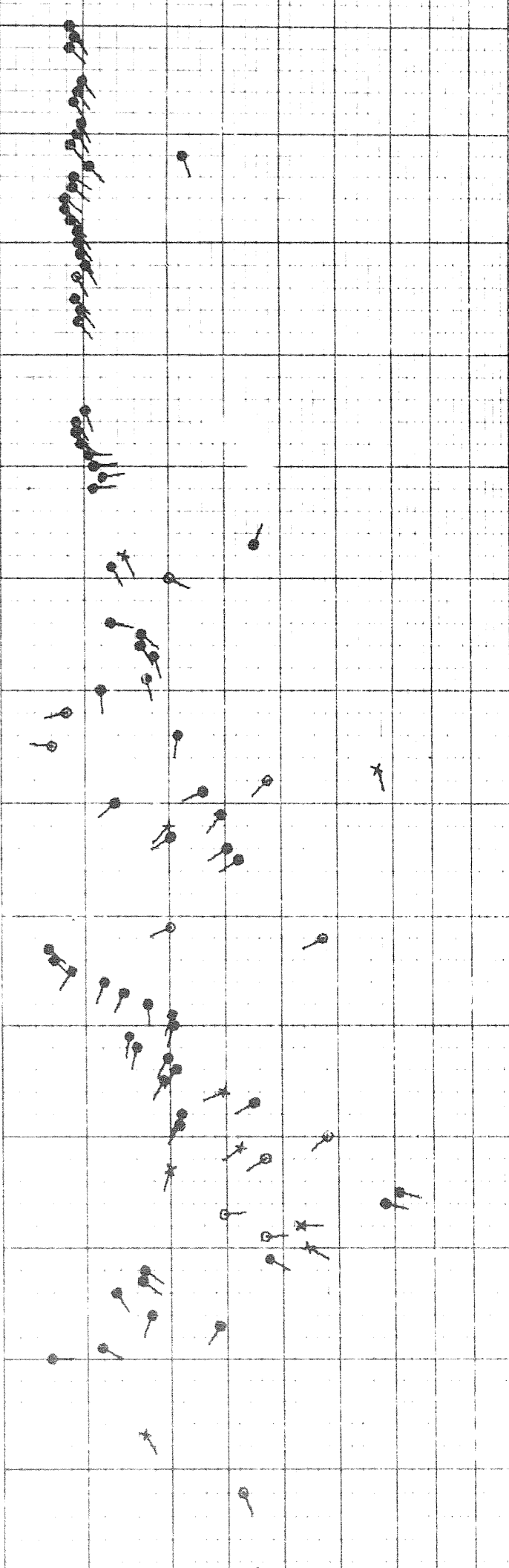


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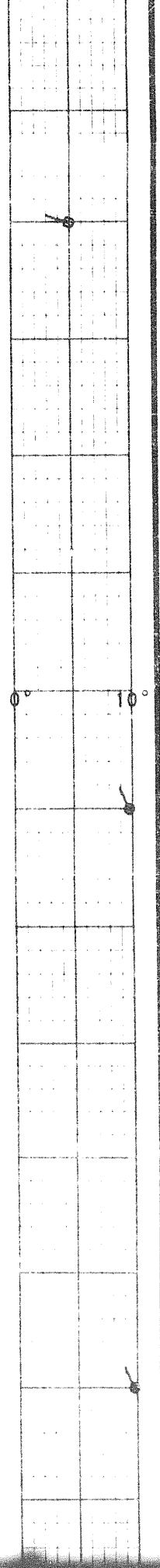
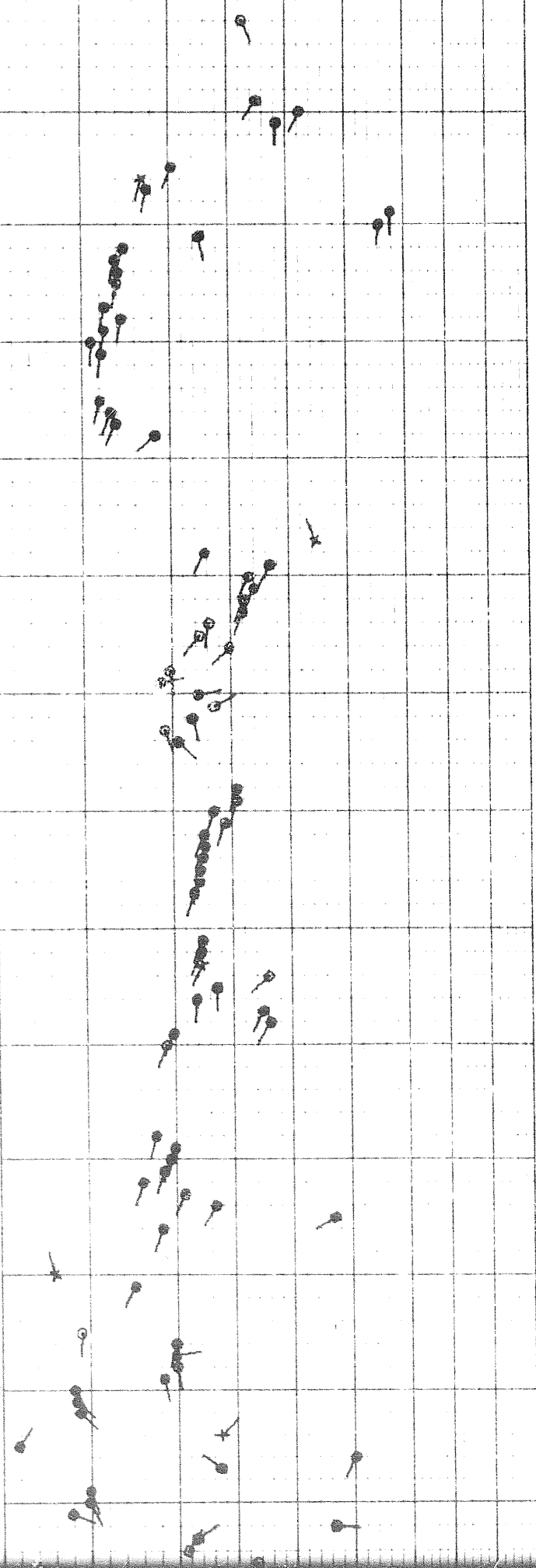
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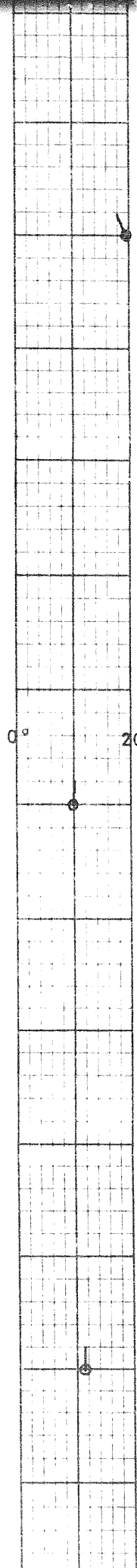
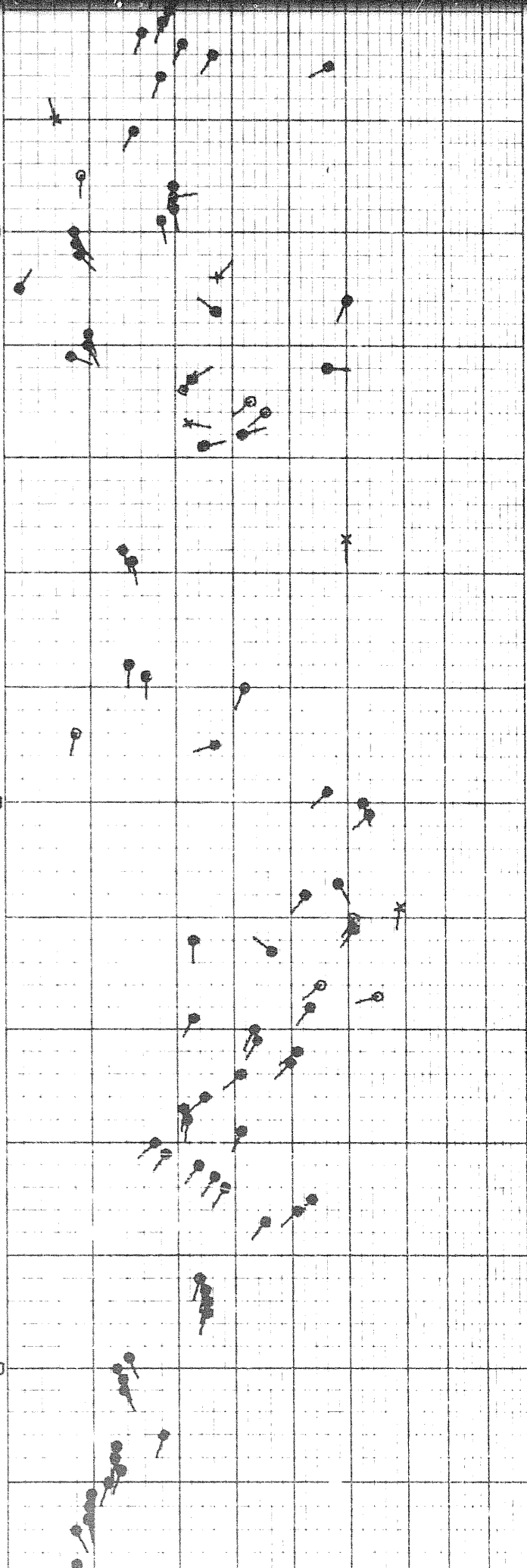


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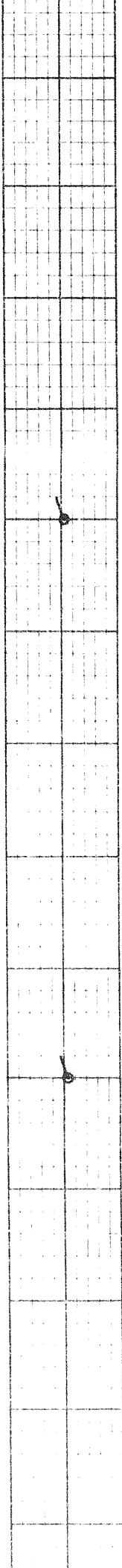
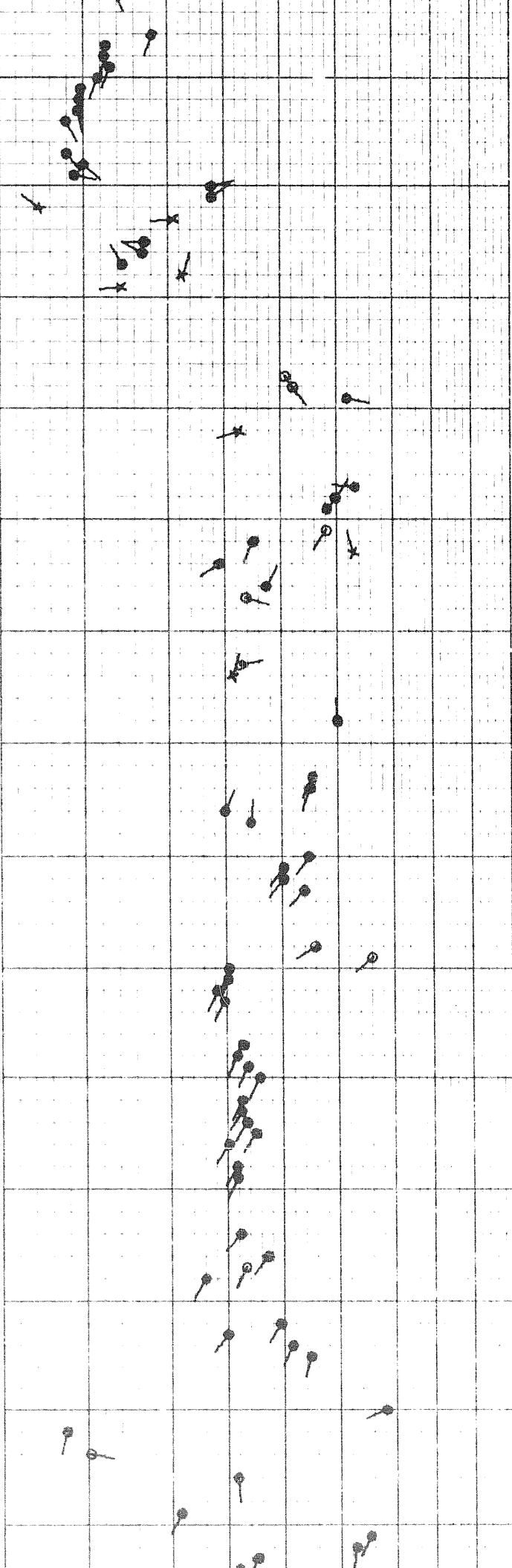
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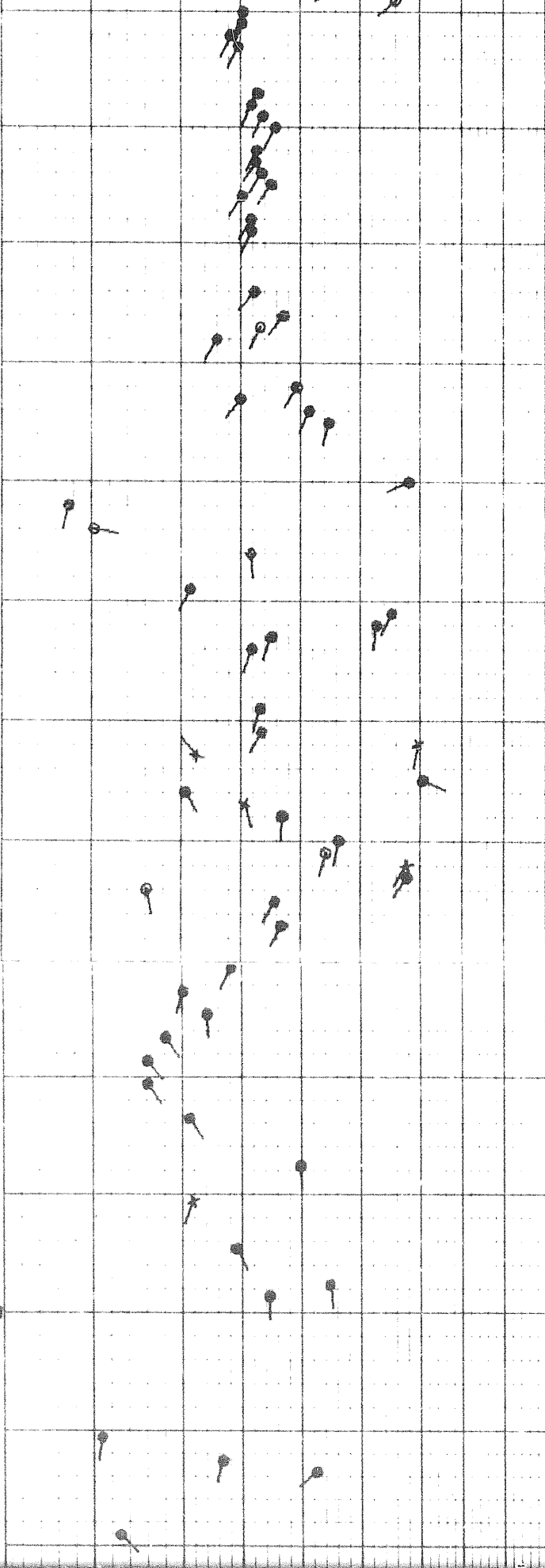
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6100

6200

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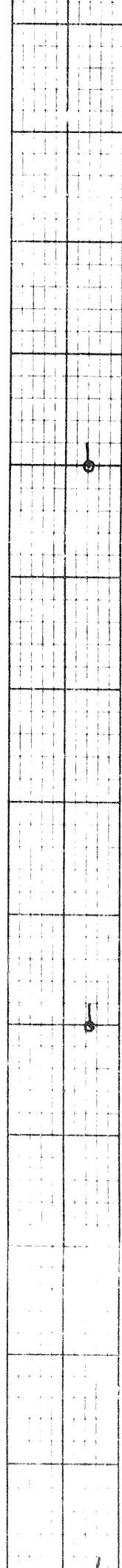
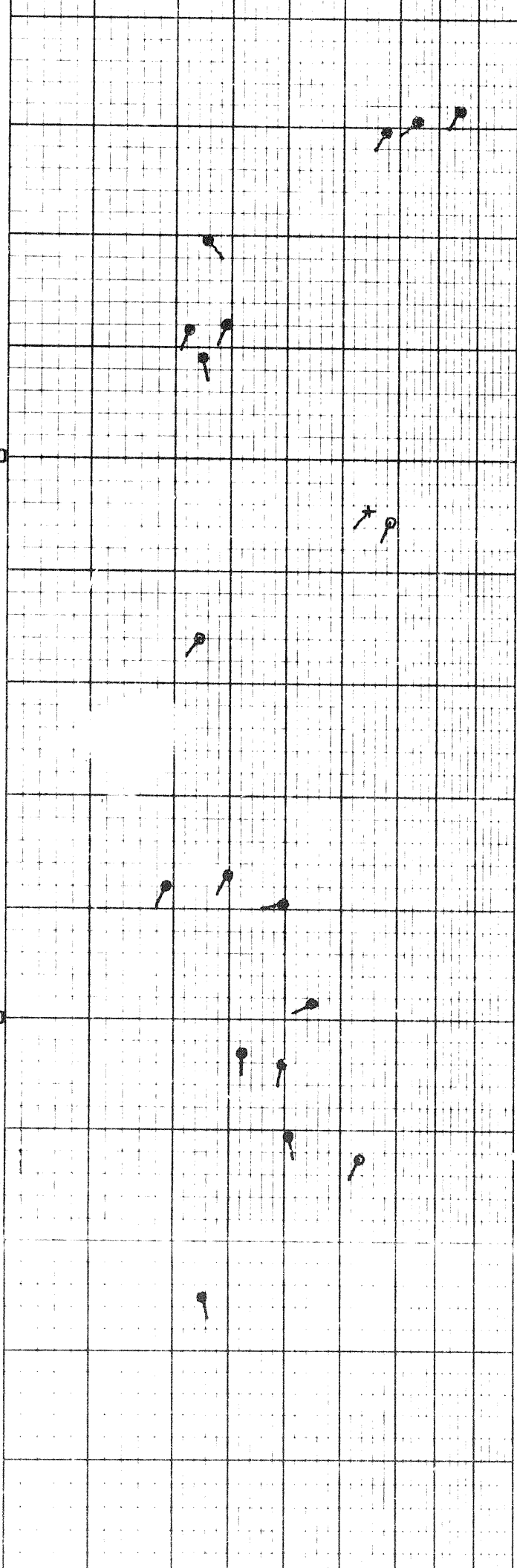


FILE 1 - C

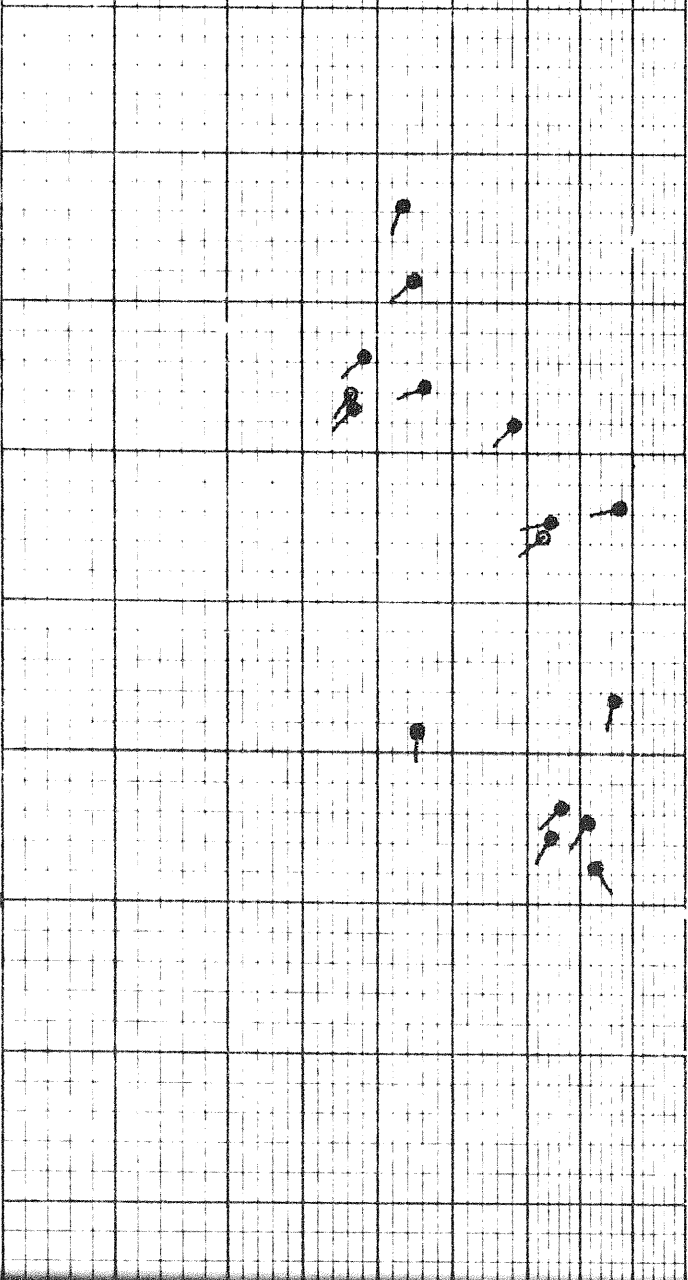


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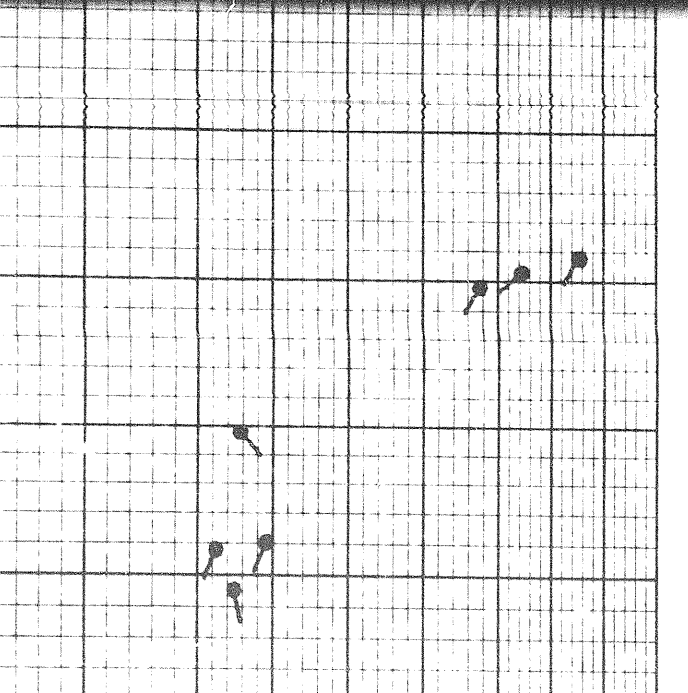
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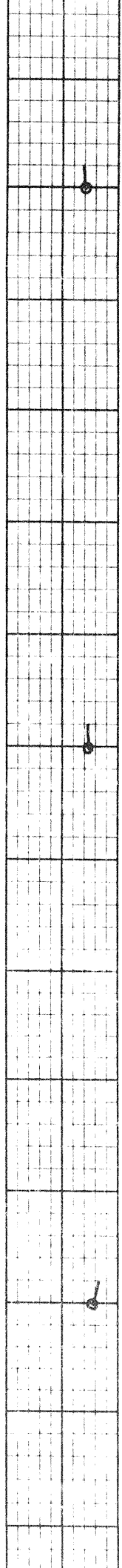
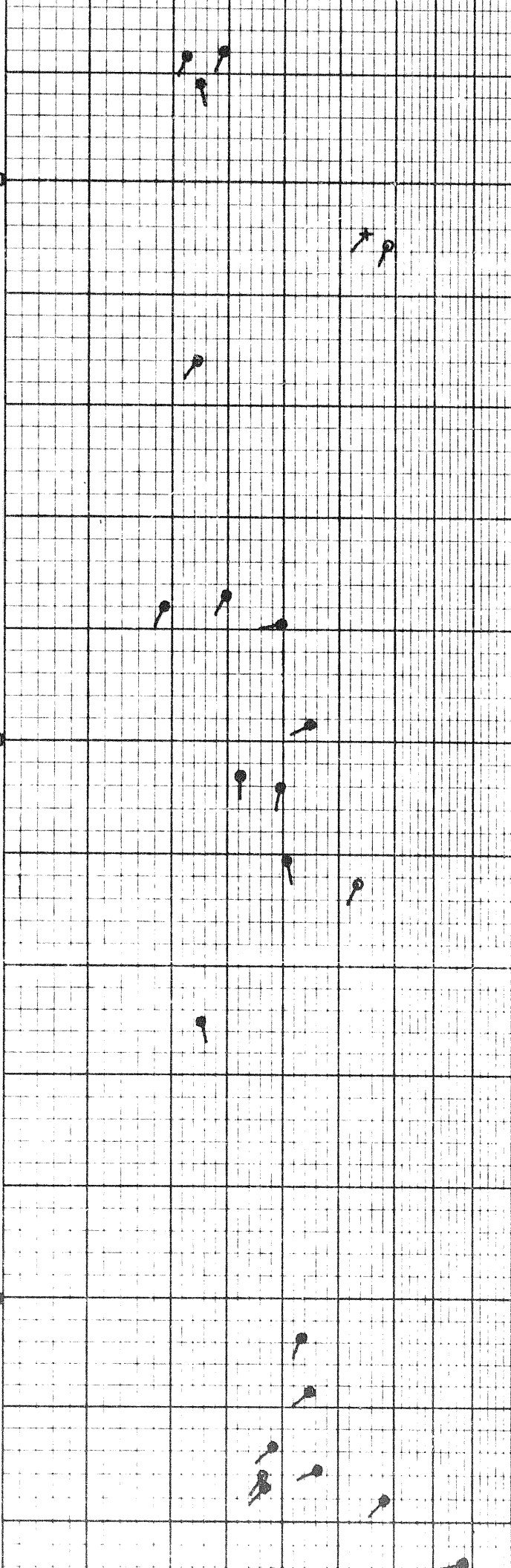


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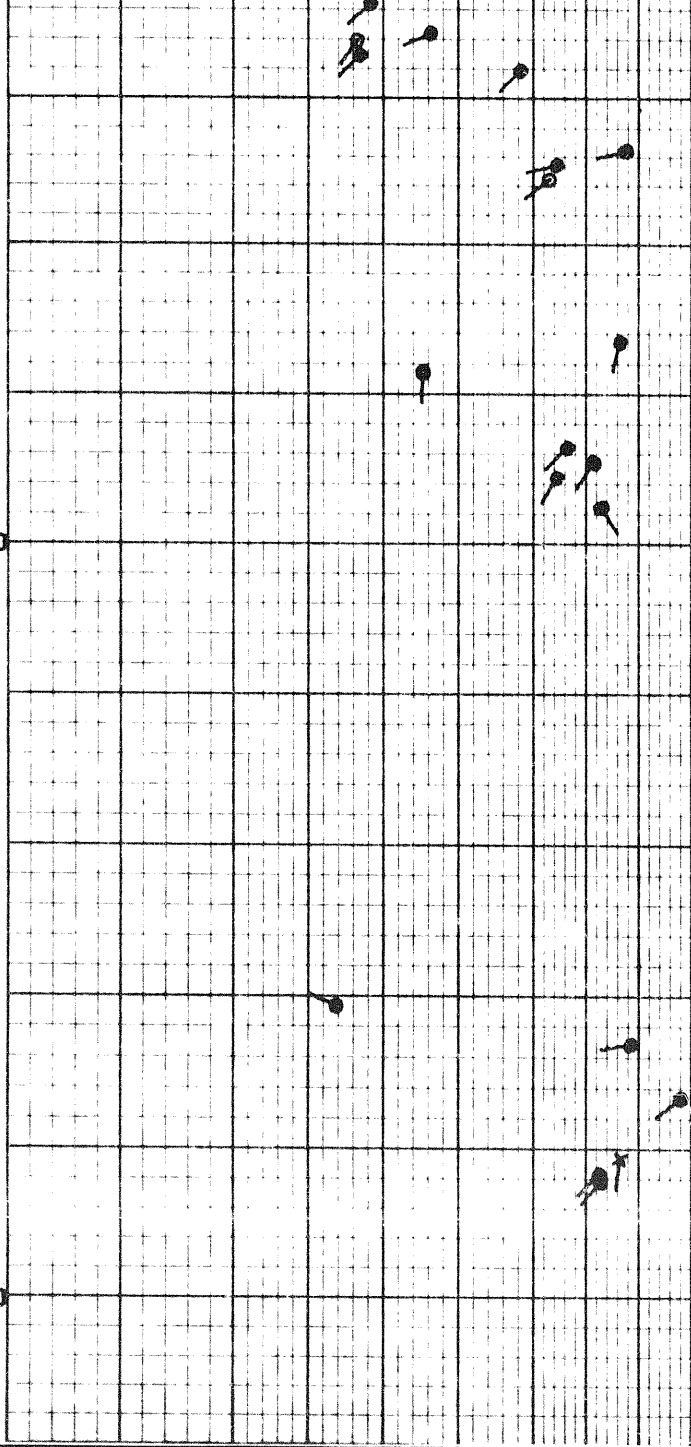
6700

6800



6900

7000



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

0° 20°

DEPTHS

TRUE DIP ANGLE

DRIFT &
TRUE DRIFT
DIRECTION
OF SONDE

COMPANY IMPERIAL OIL ENTERPRISES LTD.

WELL IOE SPRING RIVER YT N58

FIELD _____ PROVINCE YUKON TERRITORIES

