SWS-1614-B

#269

Schlumberger

FOUR — ARM HIGH RESOLUTION CONTINUOUS DIPMETER (COMPUTED)

COUNTY KITSAP
FIELD or LOCATION WILDCAT
WELL KINGSTON #1
COMPANY MOBIL OIL CORP.

COMPANY MOBIL OIL CORPORATION

WELL KINGSTON #1

FIELD WILDCAT

COUNTY KITSAP STATE WASHINGTON

LOCATION

Sec. 26 Twp. 27N Rge. 2E

Other Services:

Permanent Datum: GL, Elev.
Log Measured From KB, Ft. Above Perm. Datum
Drilling Measured From KB

Elev.: K.B.
D.F.
G.L.

Date	3-12-72			
Run No.	ONE			
Depth—Driller	5093			
Depth—Logger	5094			
Btm. Log Interval	5093			
Top Log Interval	1498			
Casing—Driller	13 3/8" @1492	@	@	@
Casing—Logger	1498			
Bit Size	12 1/4"			
Type Fluid in Hole	FWG			
Dens. / Visc.	88 / 55			
pH / Fluid Loss	9.5 / 5.0 ml	ml	ml	ml
Source of Sample	CIRCULATED			
R_m @ Meas. Temp.	0.62 @ 70 °F	@ °F	@ °F	@ °F
R_{mf} @ Meas. Temp.	0.42 @ 62 °F	@ °F	@ °F	@ °F
R_{mc} @ Meas. Temp.	0.88 @ 62 °F	@ °F	@ °F	@ °F
Source: R_{mf} / R_{mc}	M / M			
R_m @ BHT	0.40 @112 °F	@ °F	@ °F	@ °F
Time Since Circ.	2 1/2 HOURS			
Max. Rec. Temp.	112 °F	°F	°F	°F
Equip. / Location	C-346 / VTA			
Recorded By	MONTGOMERY			
Witnessed By	MR. SPRAGUE			

The well name, location and borehole reference data were furnished by the customer.

FOLD HERE

Run No.	1	2	3	4
Tool Type	HDT-C			
HDM No.	720-D			
Magnetic Declination	N 22 E			
Analog Panel No.	762-C			
Digital Panel No.	727-C			
Correlated By	UNIV 1108			
Computed By	UNIV 1108			
Plotted By	CAL COMP			
Remarks —	QUALITY INDICATIONS: CIRCLE-EXCELLENT, SQUARE-GOOD, DIAMOND-FAIR, CROSS-POOR			
	4'X4'X45°			

Changes in Mud Type or Additional Samples

Date / Sample No.			
Depth—Driller			
Type Fluid in Hole			
Dens. / Visc.			
pH / Fluid Loss	ml		
Source of Sample			
R_m @ Meas. Temp.	@ °F	@ °F	@ °F
R_{mf} @ Meas. Temp.	@ °F	@ °F	@ °F
R_{mc} @ Meas. Temp.	@ °F	@ °F	@ °F
Source: R_{mf} / R_{mc}			
R_m @ BHT	@ °F	@ °F	@ °F
R_{mf} @ BHT	@ °F	@ °F	@ °F

R_{mc} @ BHT	@ °F	@ °F	

"Any directional computations made from the dipmeter log 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, except in the case of willful negligence on our part, be liable or responsible for any loss, costs, damages or expenses incurred or sustained that may result from any such computations."

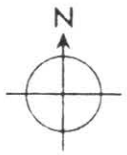
TABLE OF VERTICAL DISPLACEMENT IN FEET CORRESPONDING TO VARIOUS HORIZONTAL DISTANCES AND ANGLES OF DIP

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.
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.

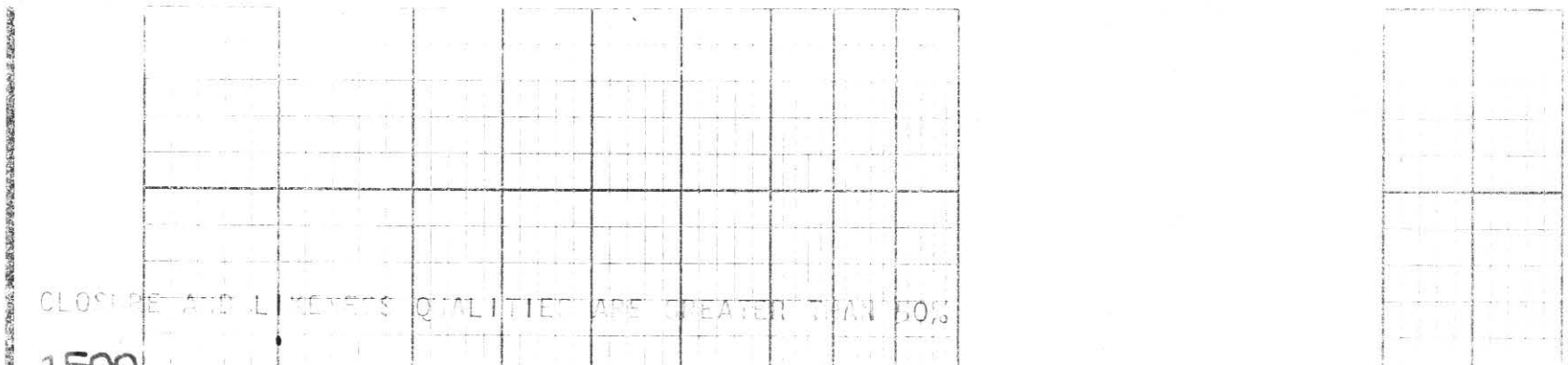
To obtain vertical displacements corresponding to multiples of hundreds feet, thousands of feet or miles, multiply the number found in the table by the number of hundreds, thousands or miles.

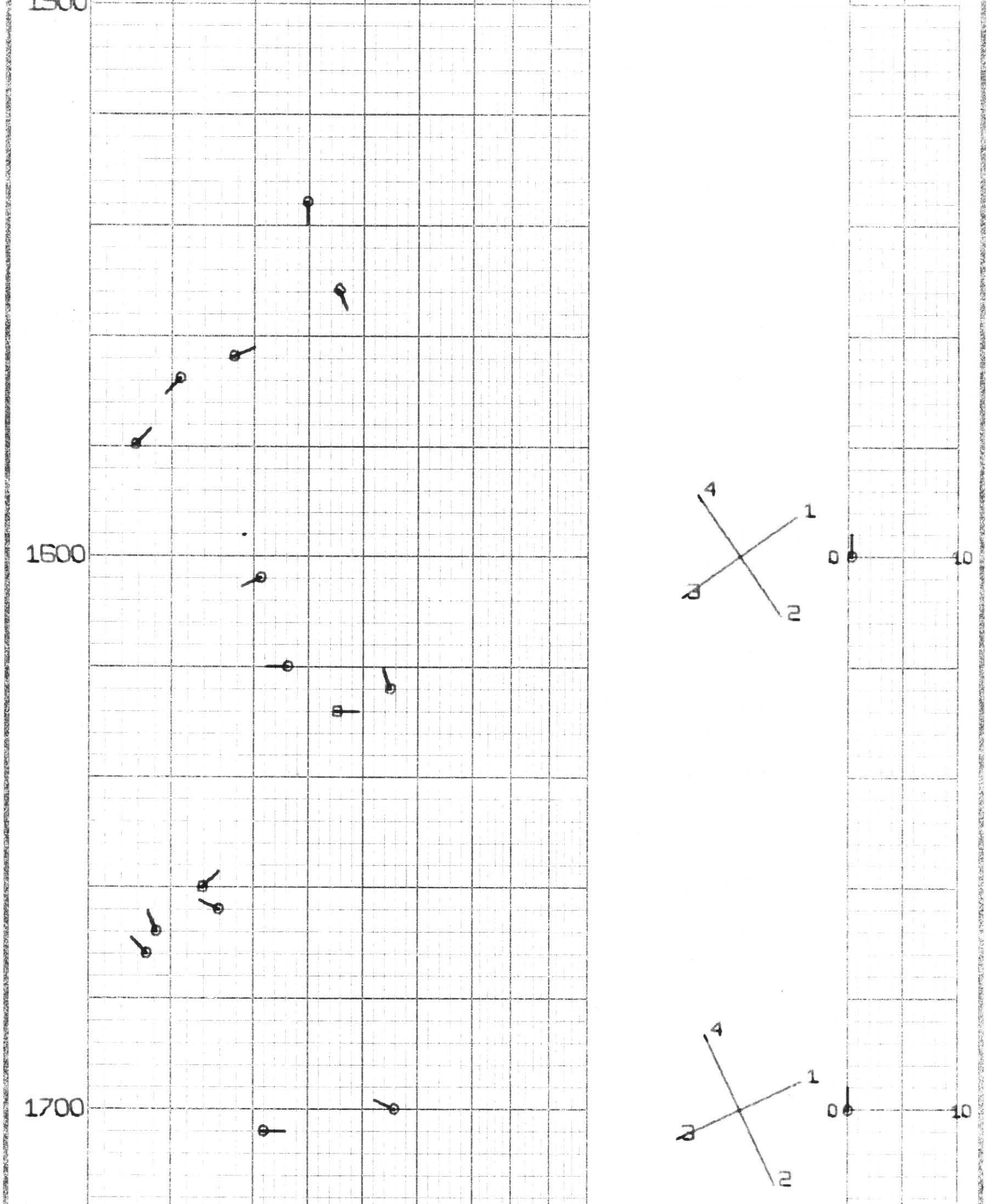
Example: The formation dip is 16 degrees. The vertical displacement occurring at a spot 660 feet away from the well is desired. The table shows 28.7 feet per 100 feet for 16° dip. Therefore 28.7 x 6.60 = 189.42, or 189. feet.



GRAPHIC PRESENTATION

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

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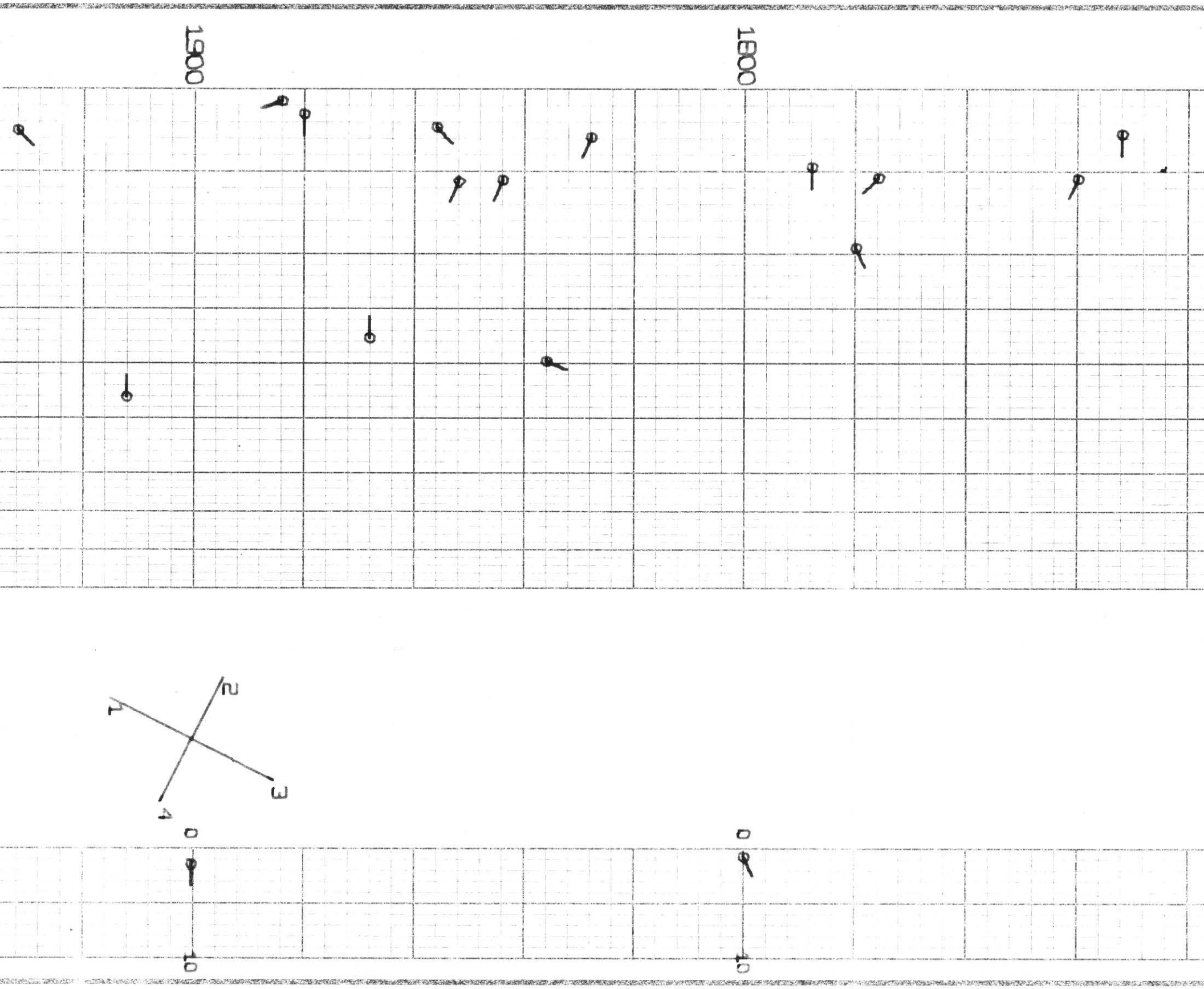
SCHLUMBERGER WELL SERVICES
SWS H-133913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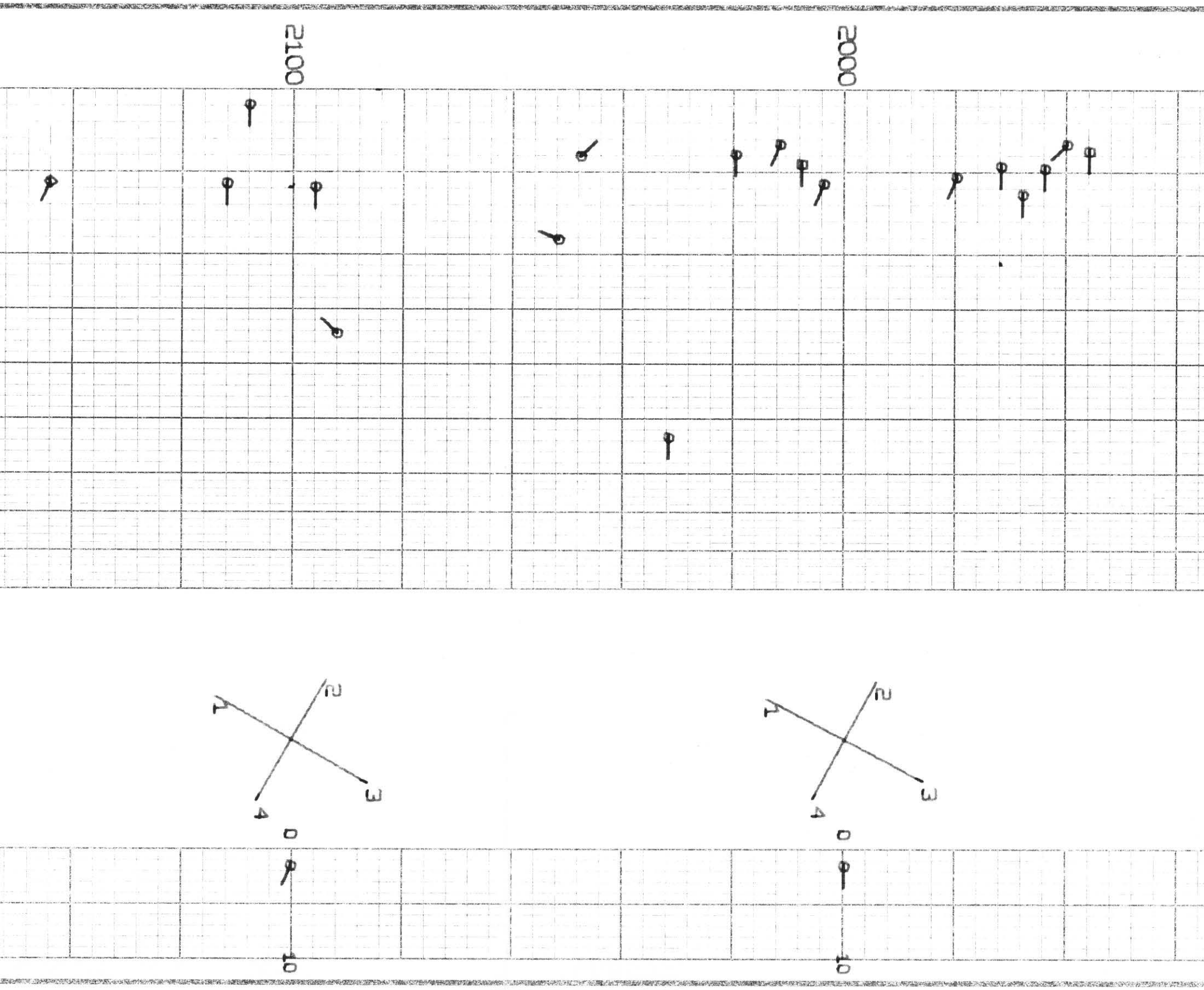
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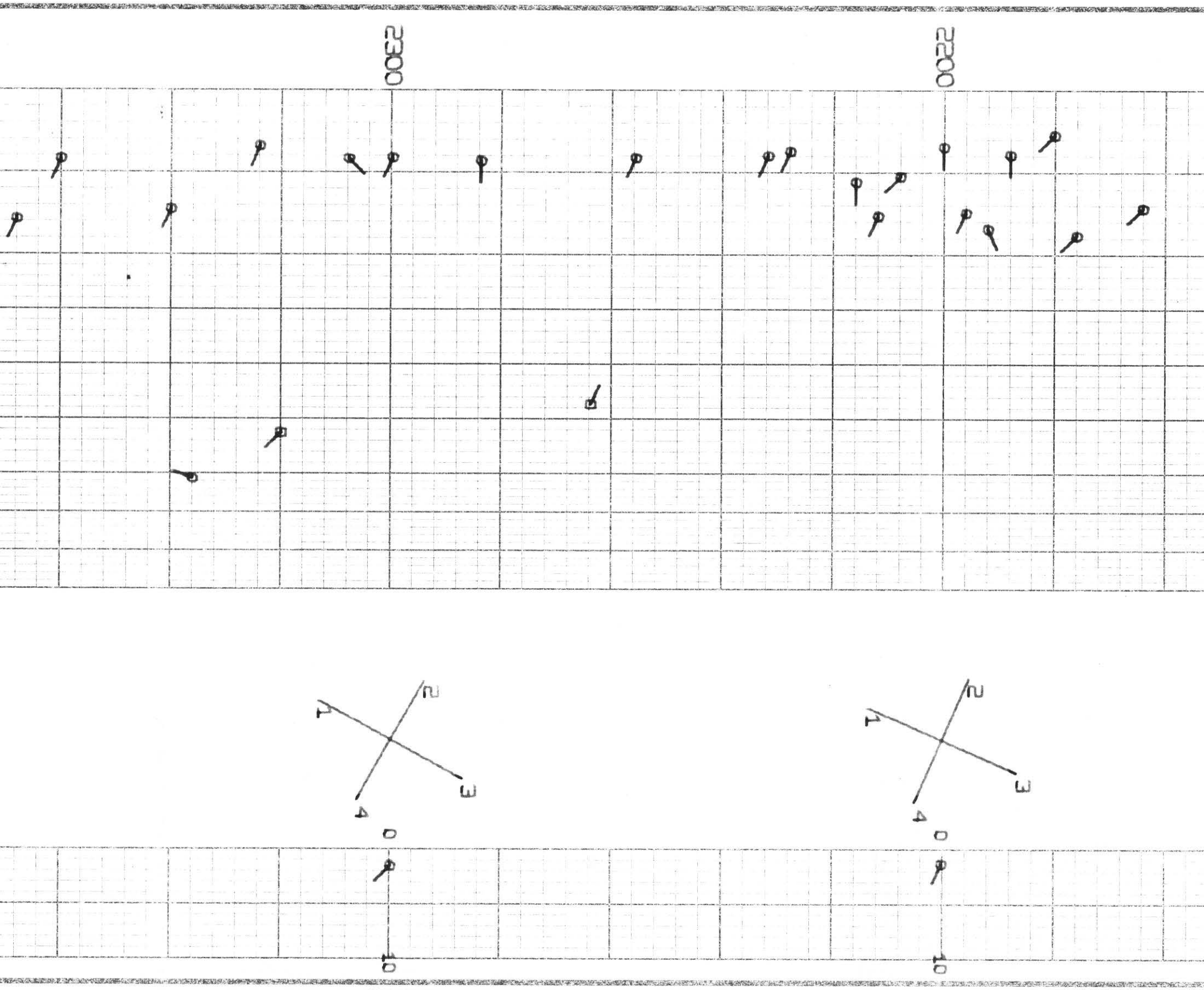
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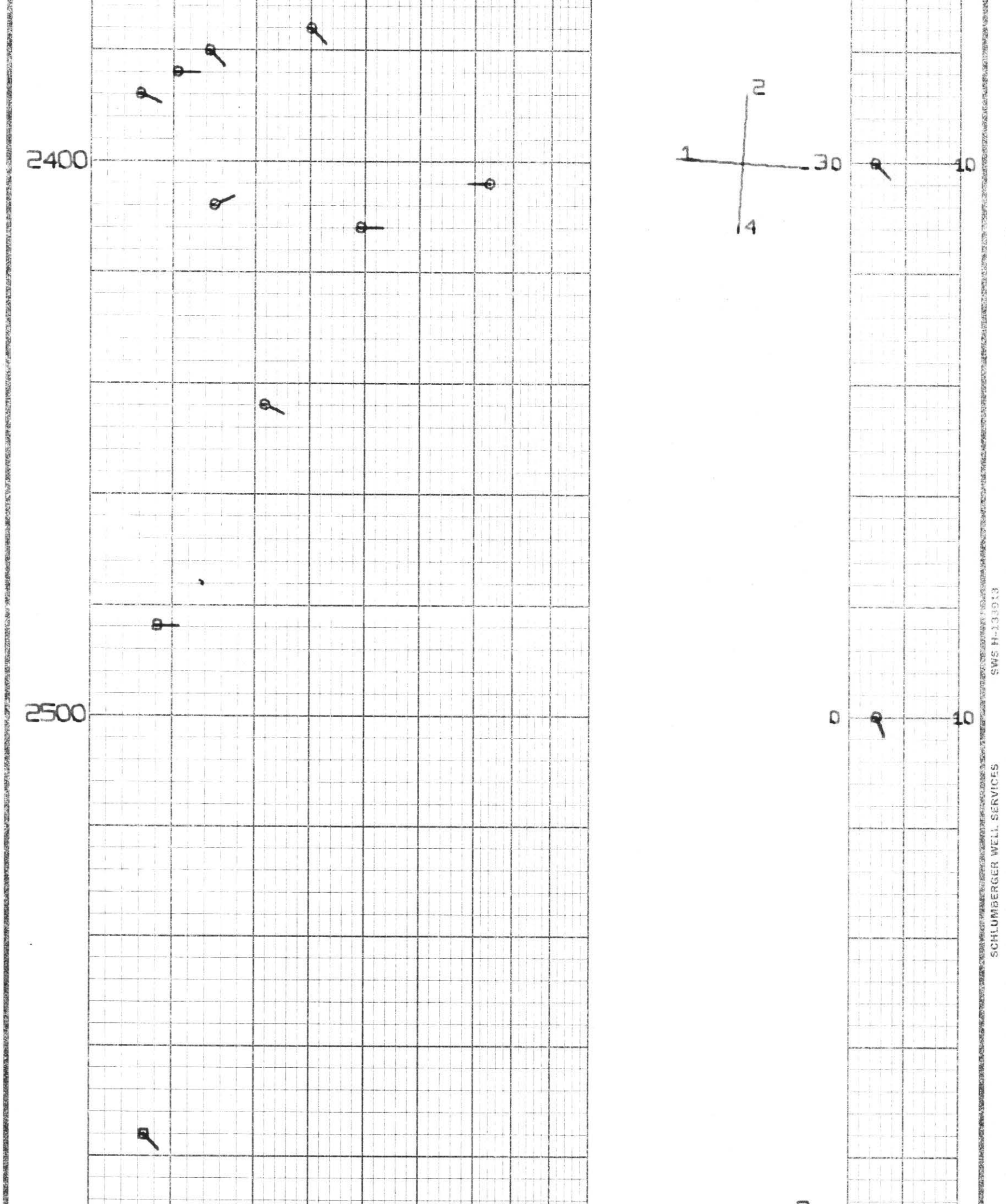
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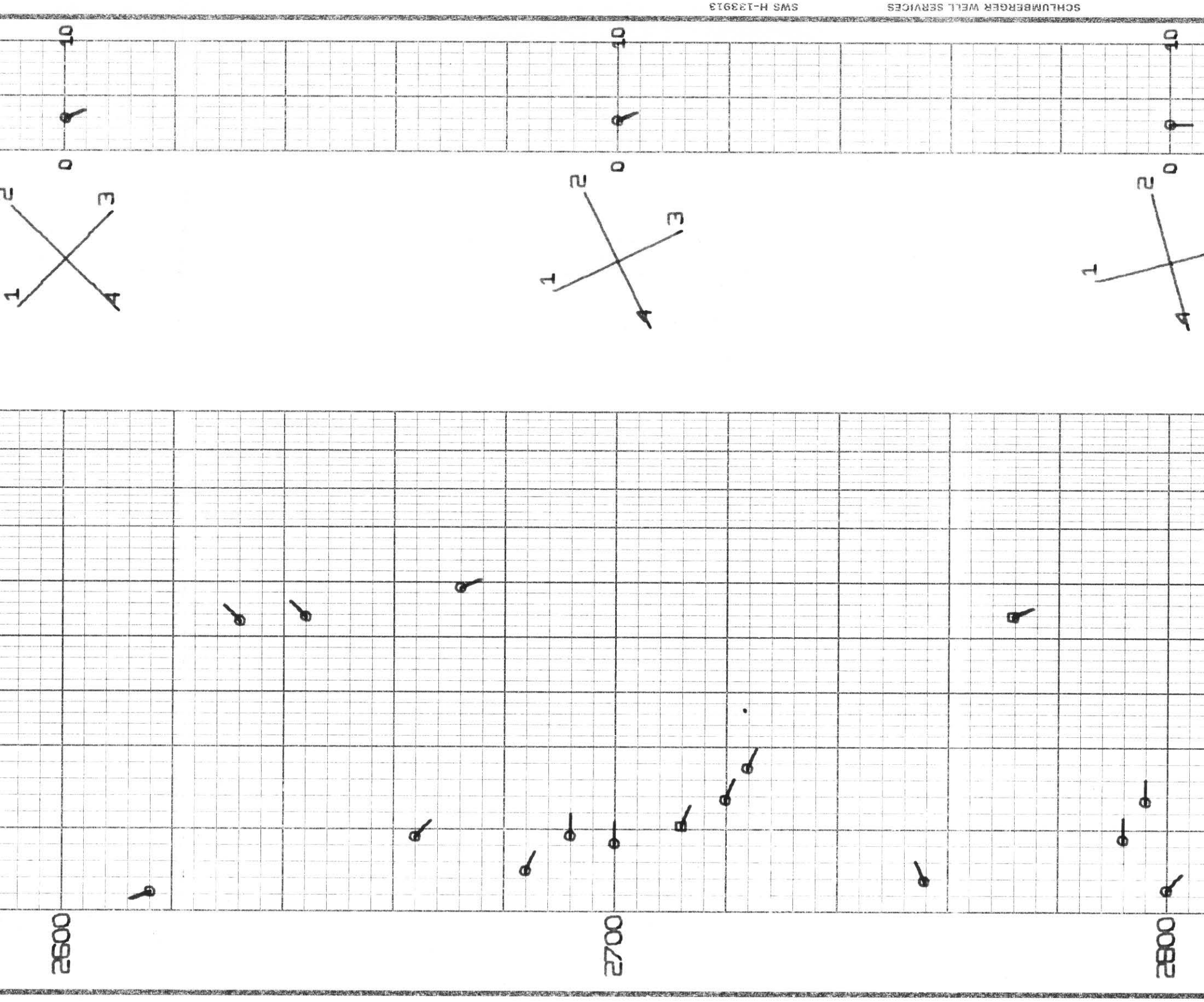
SWS H-13913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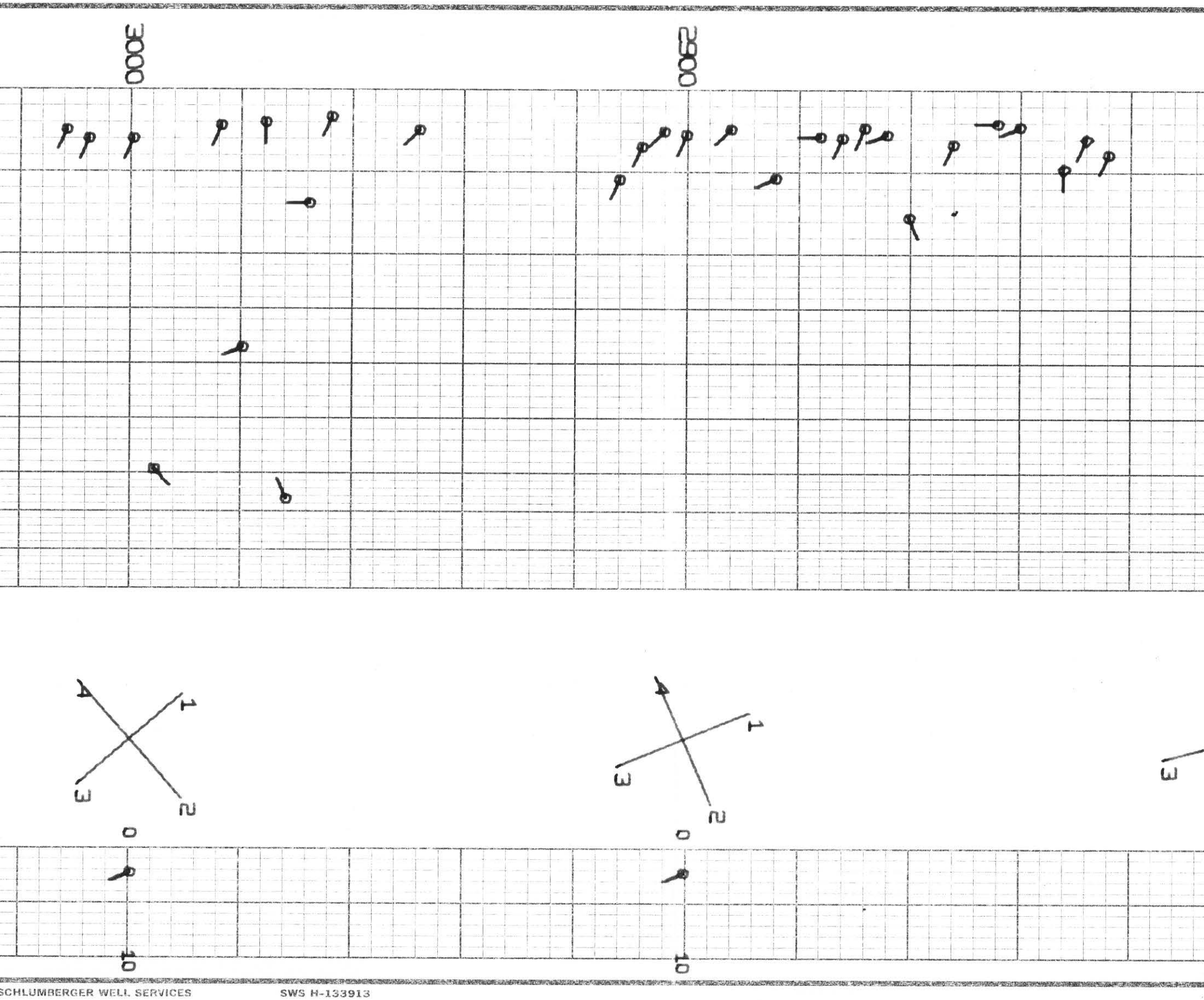

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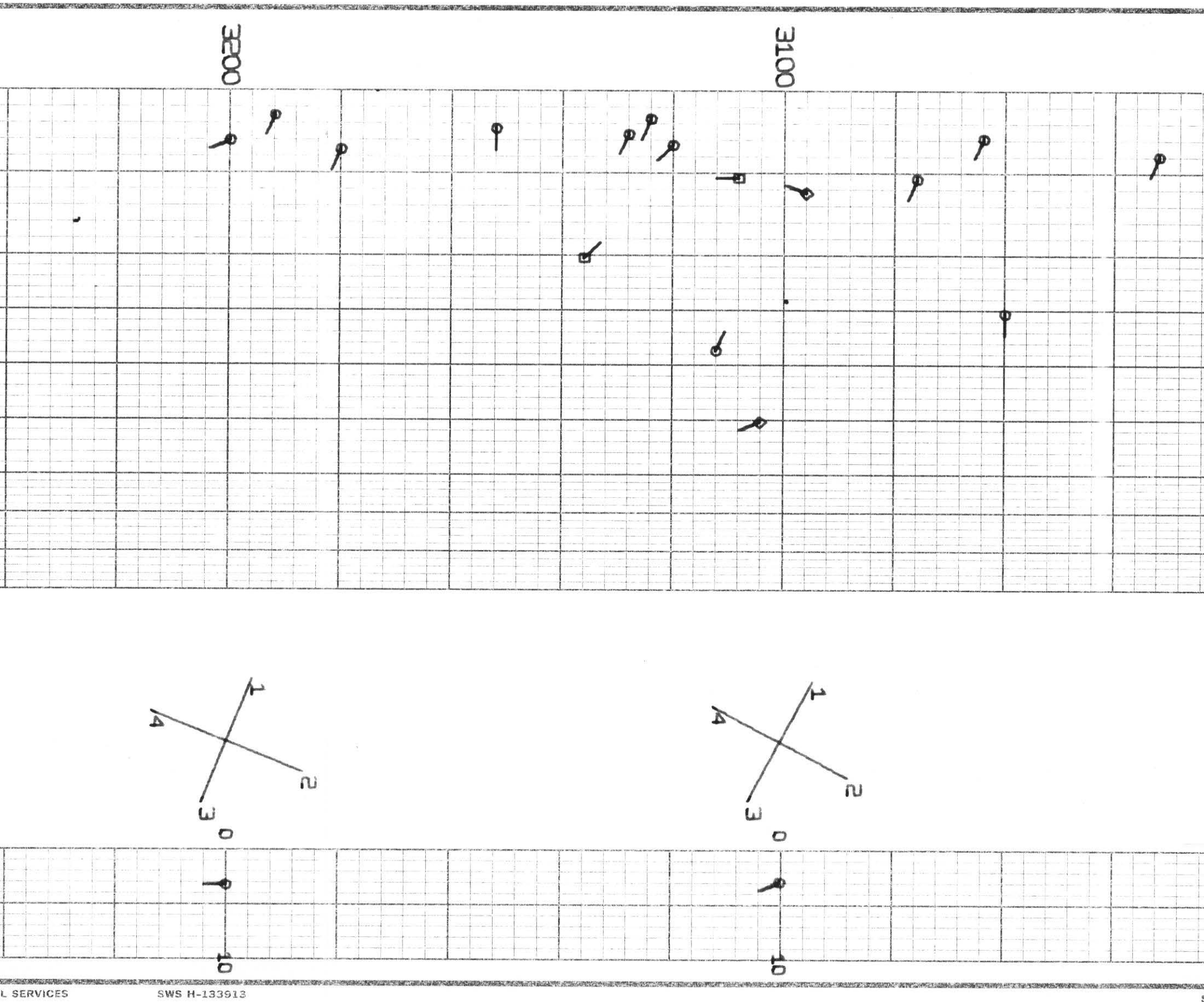
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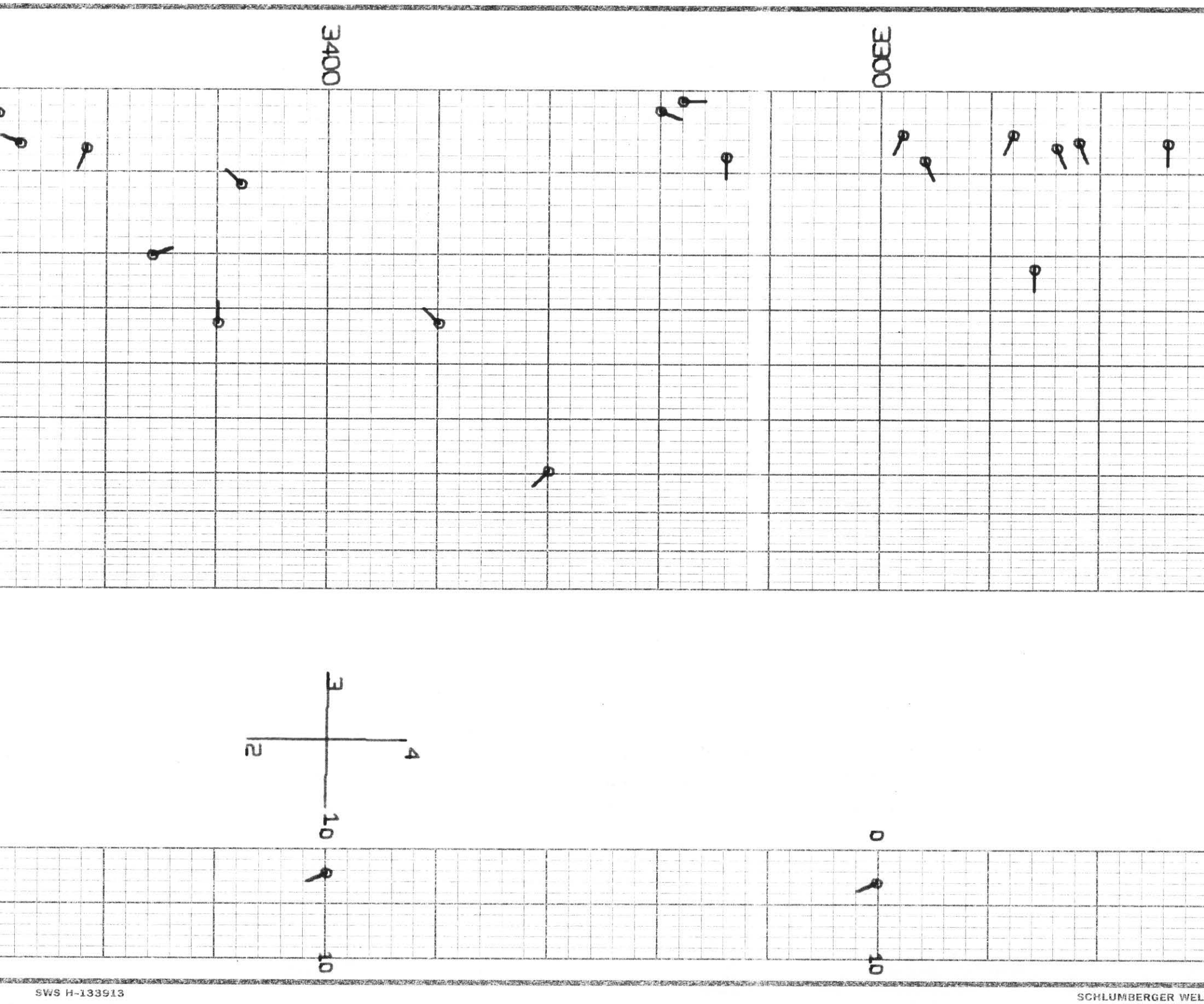
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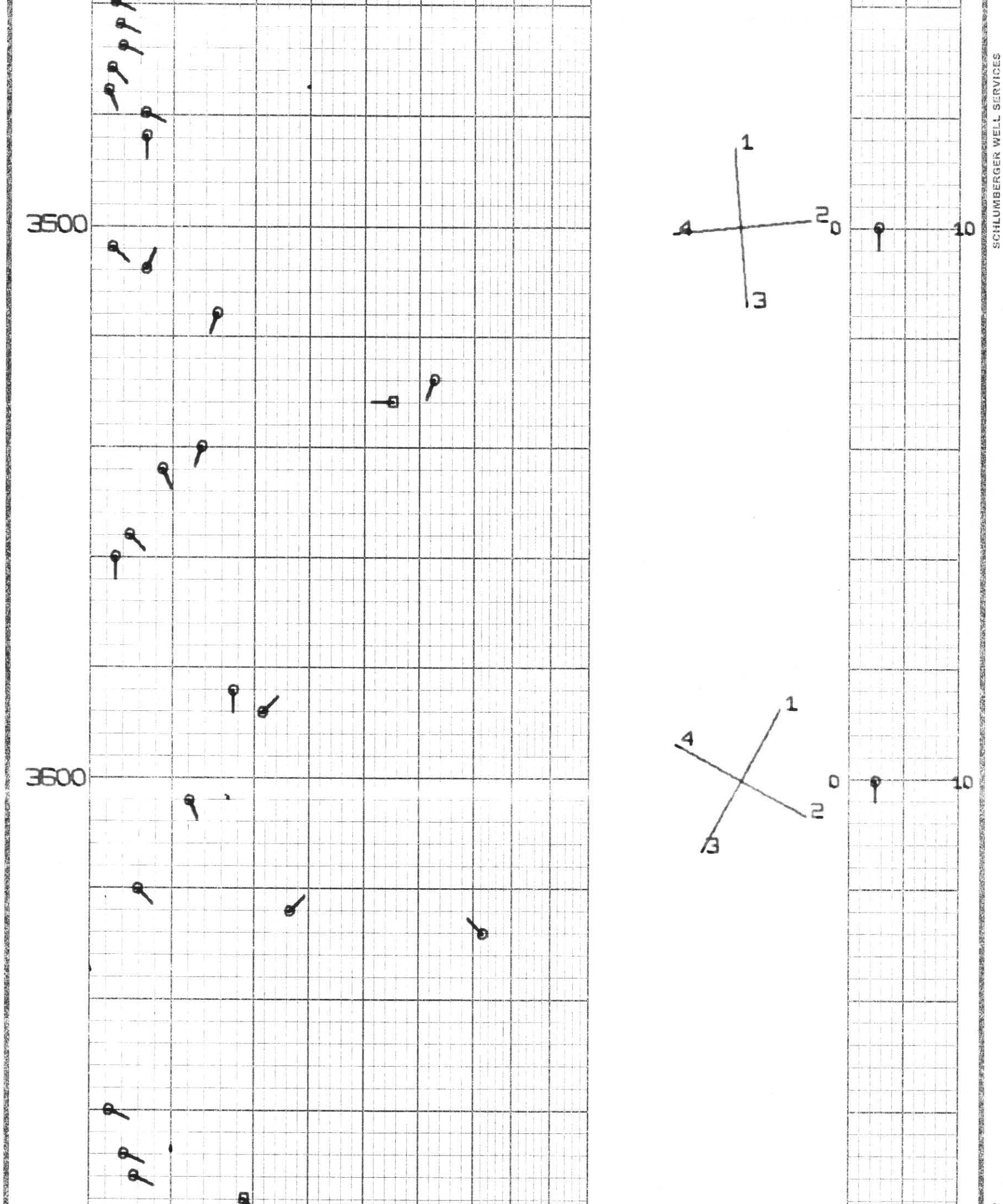
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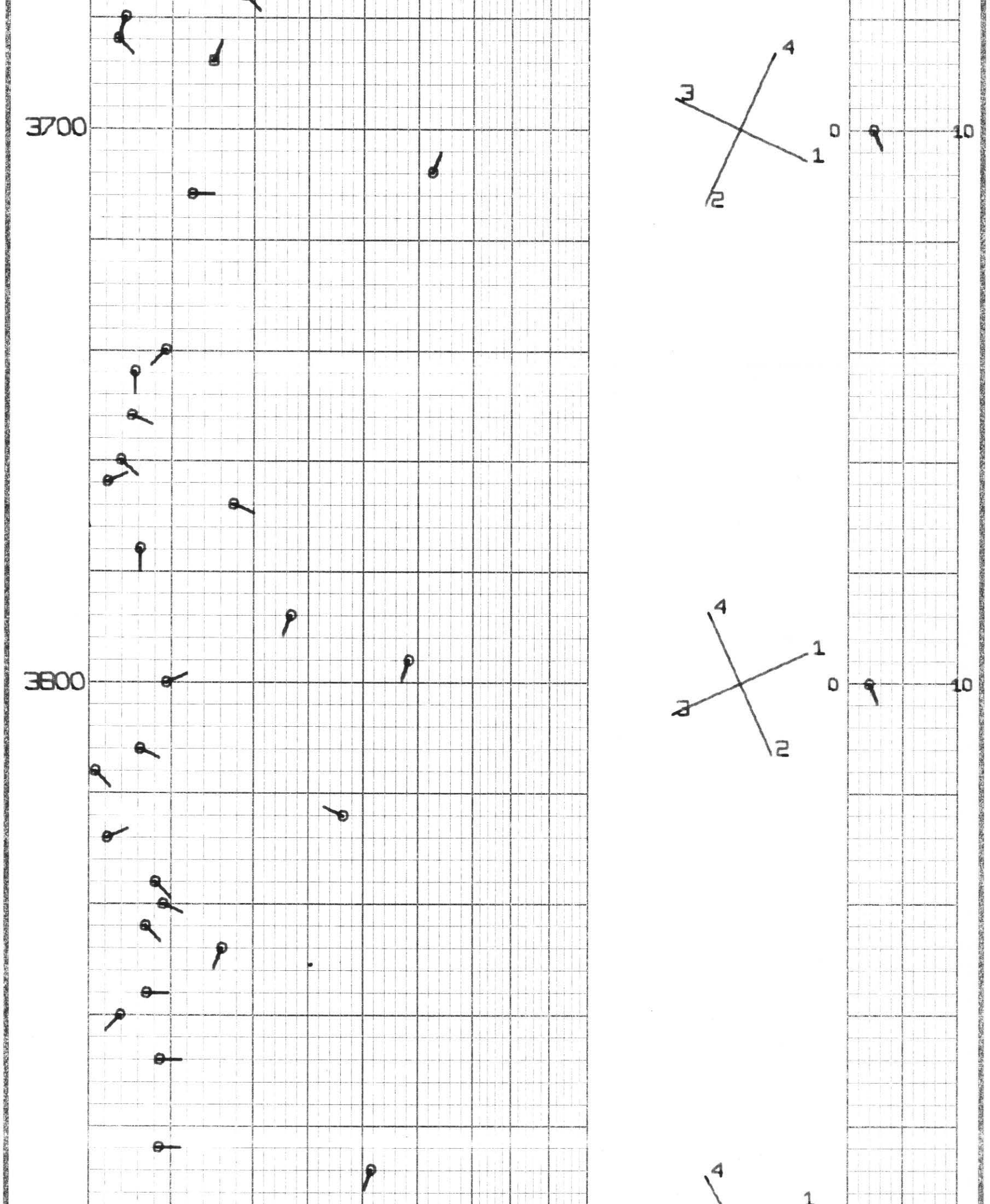

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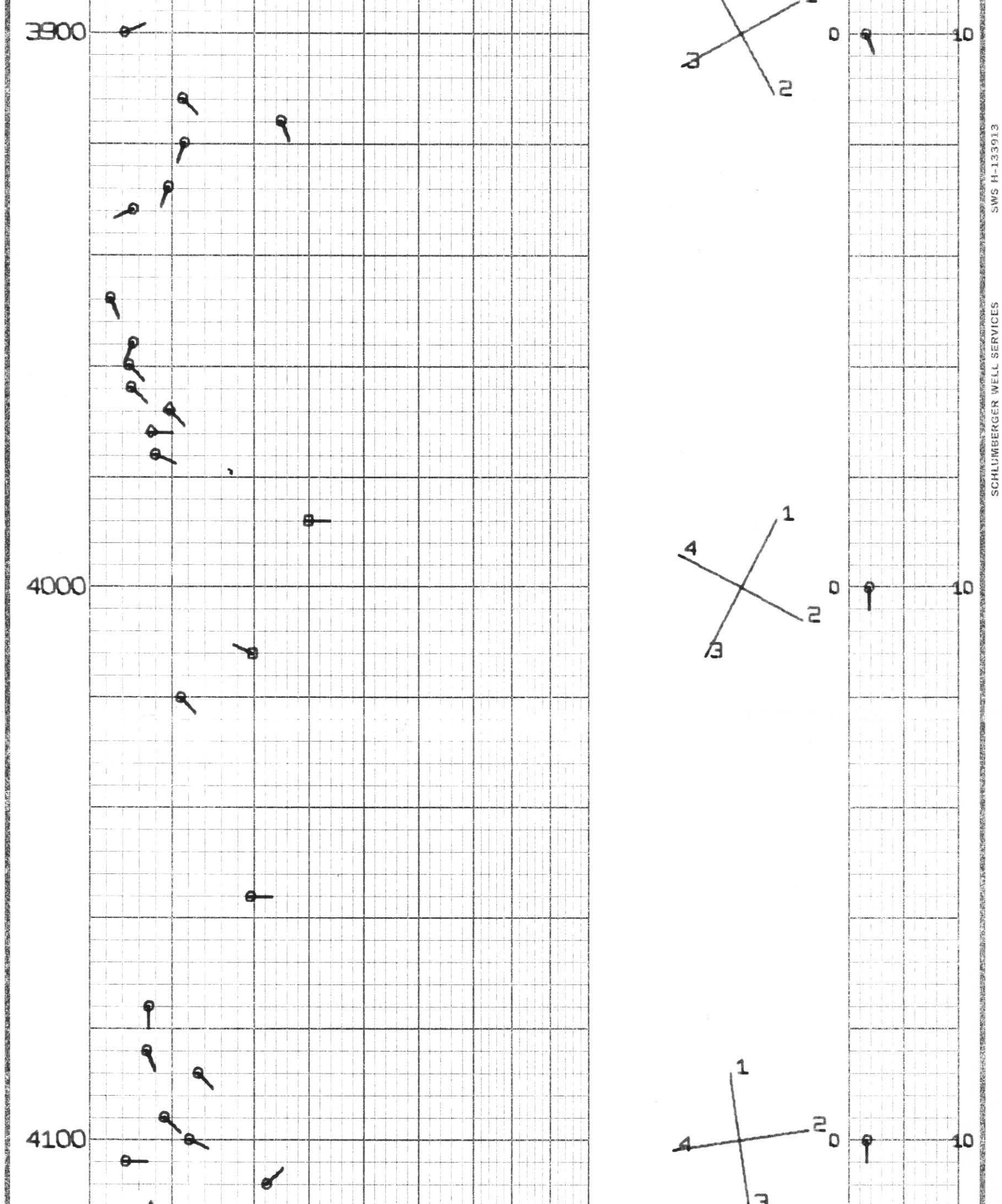
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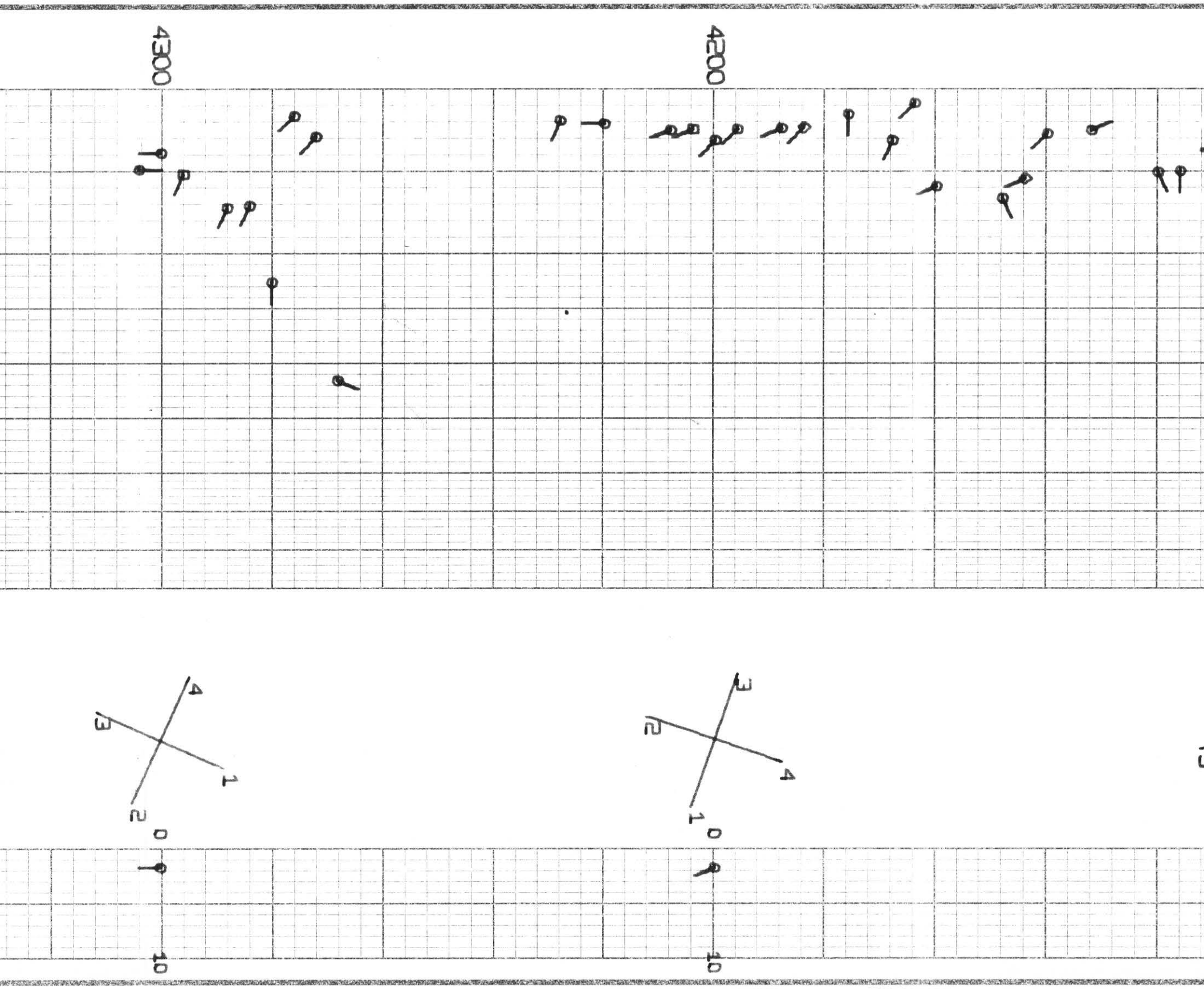
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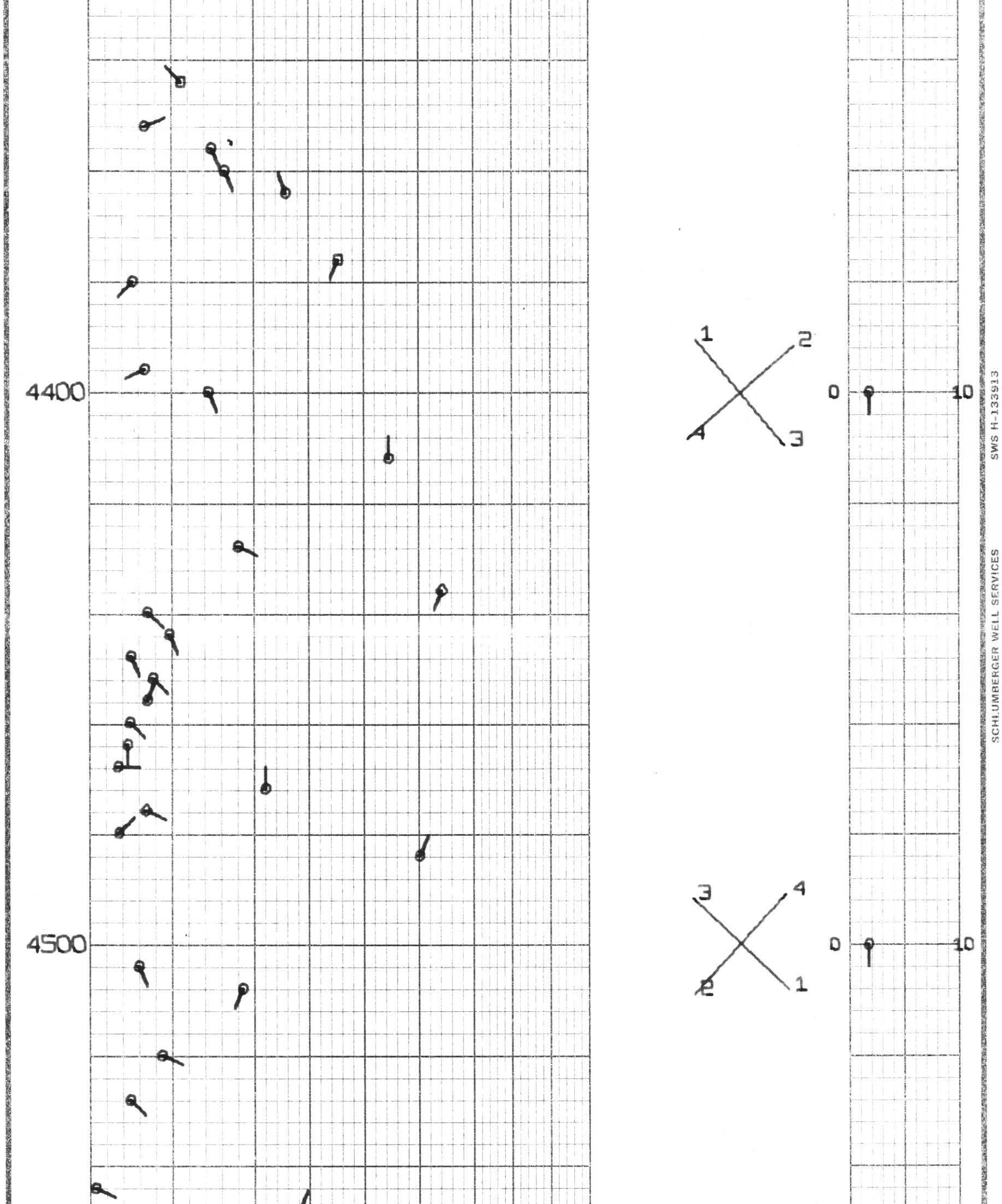
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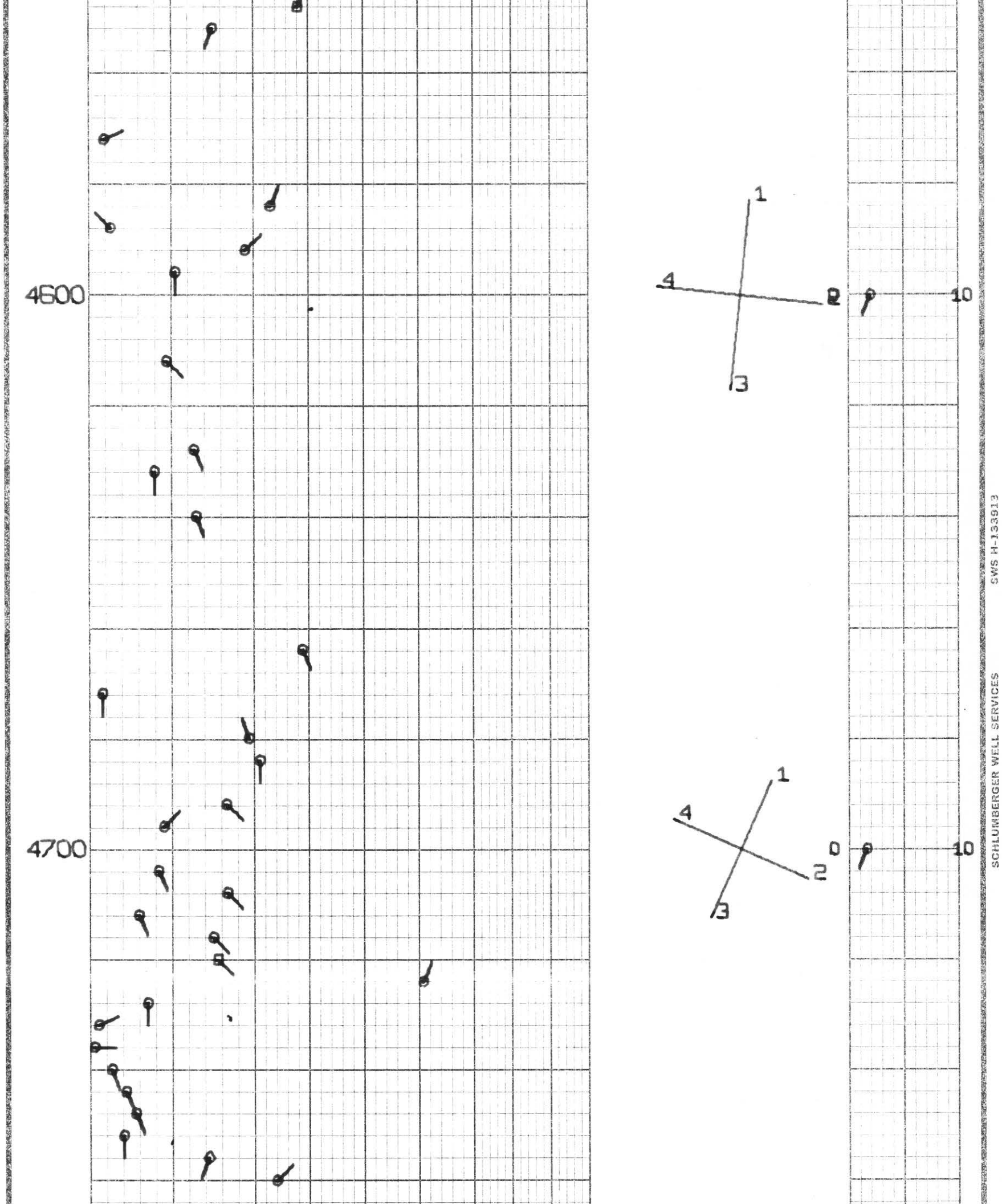
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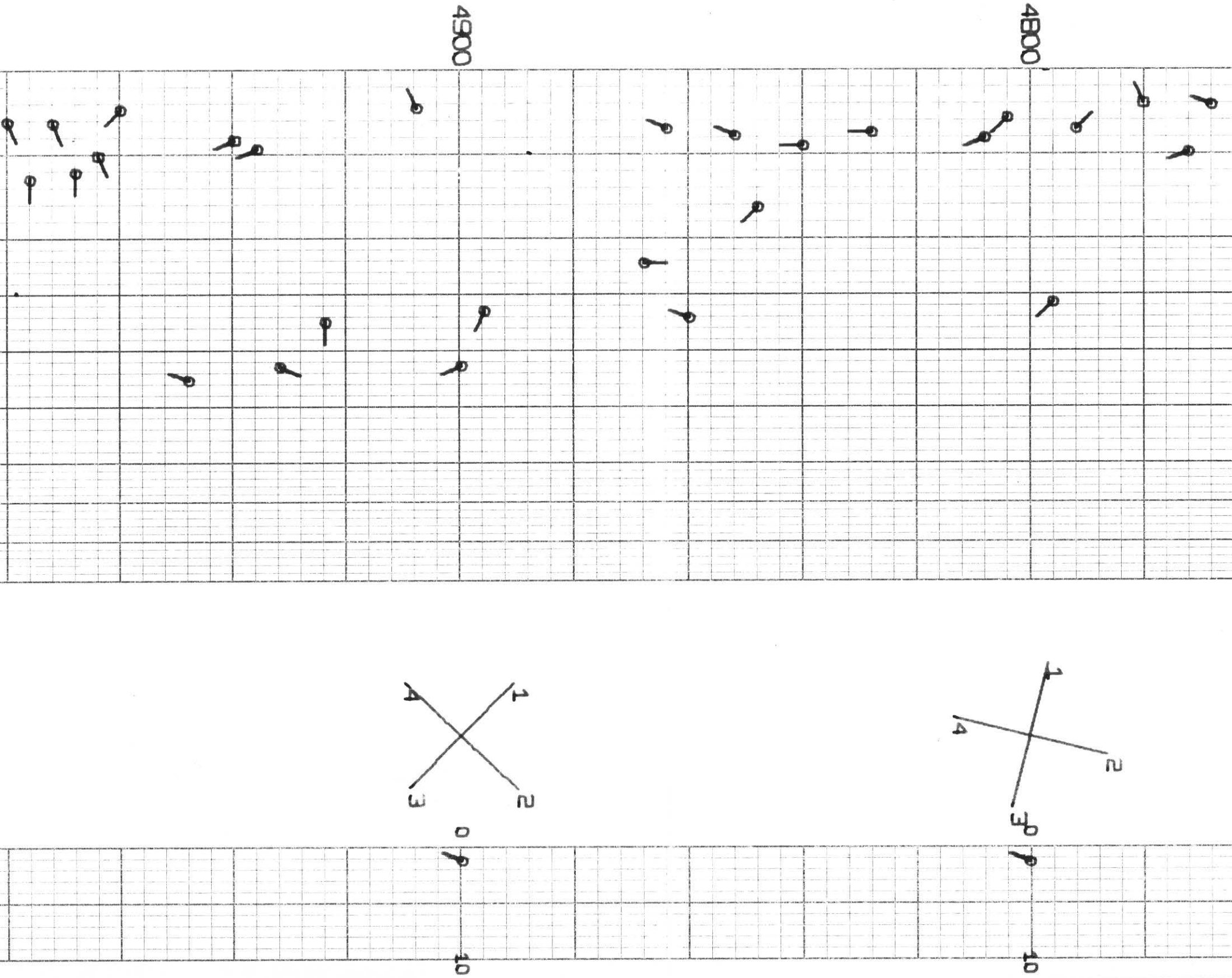
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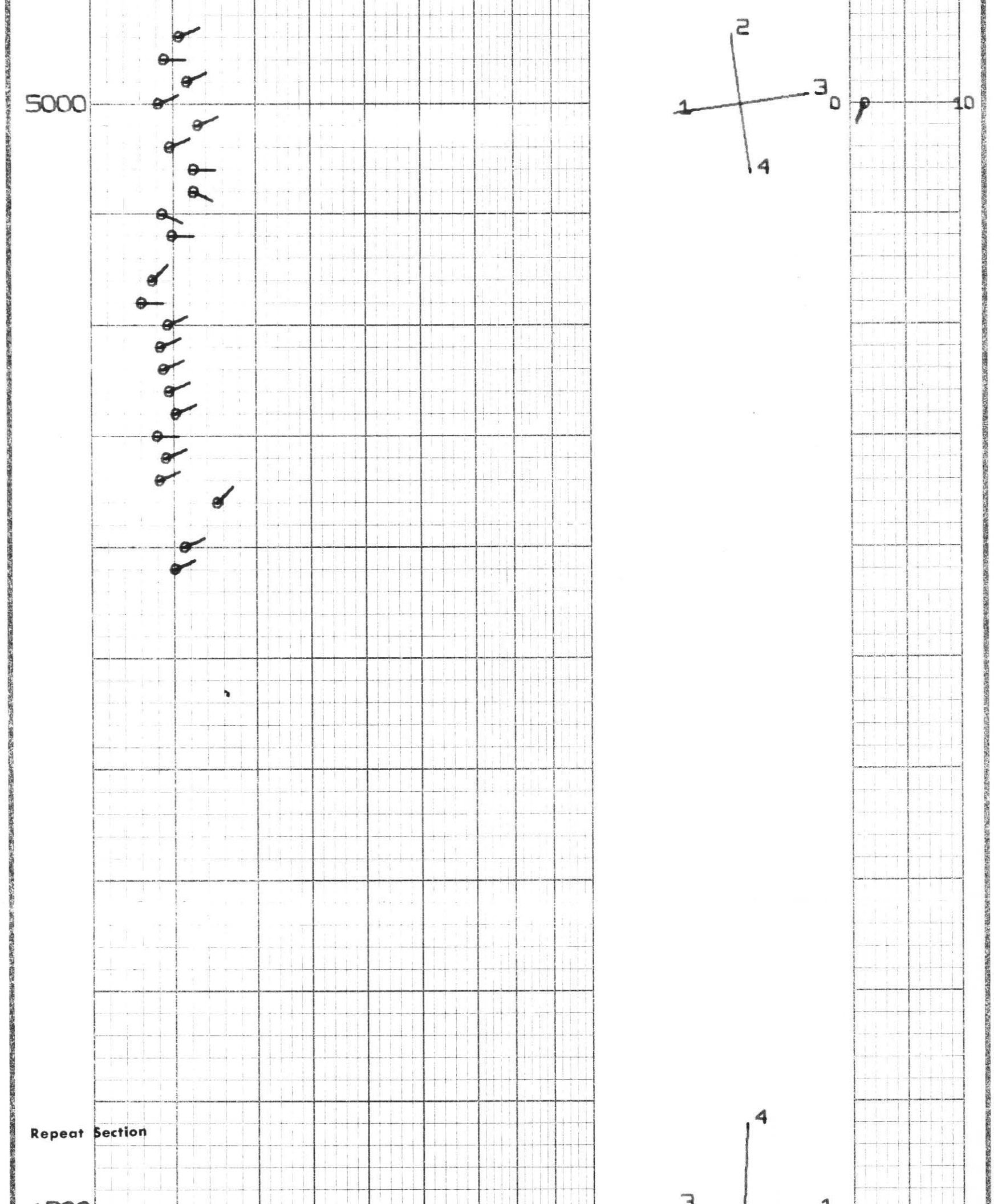

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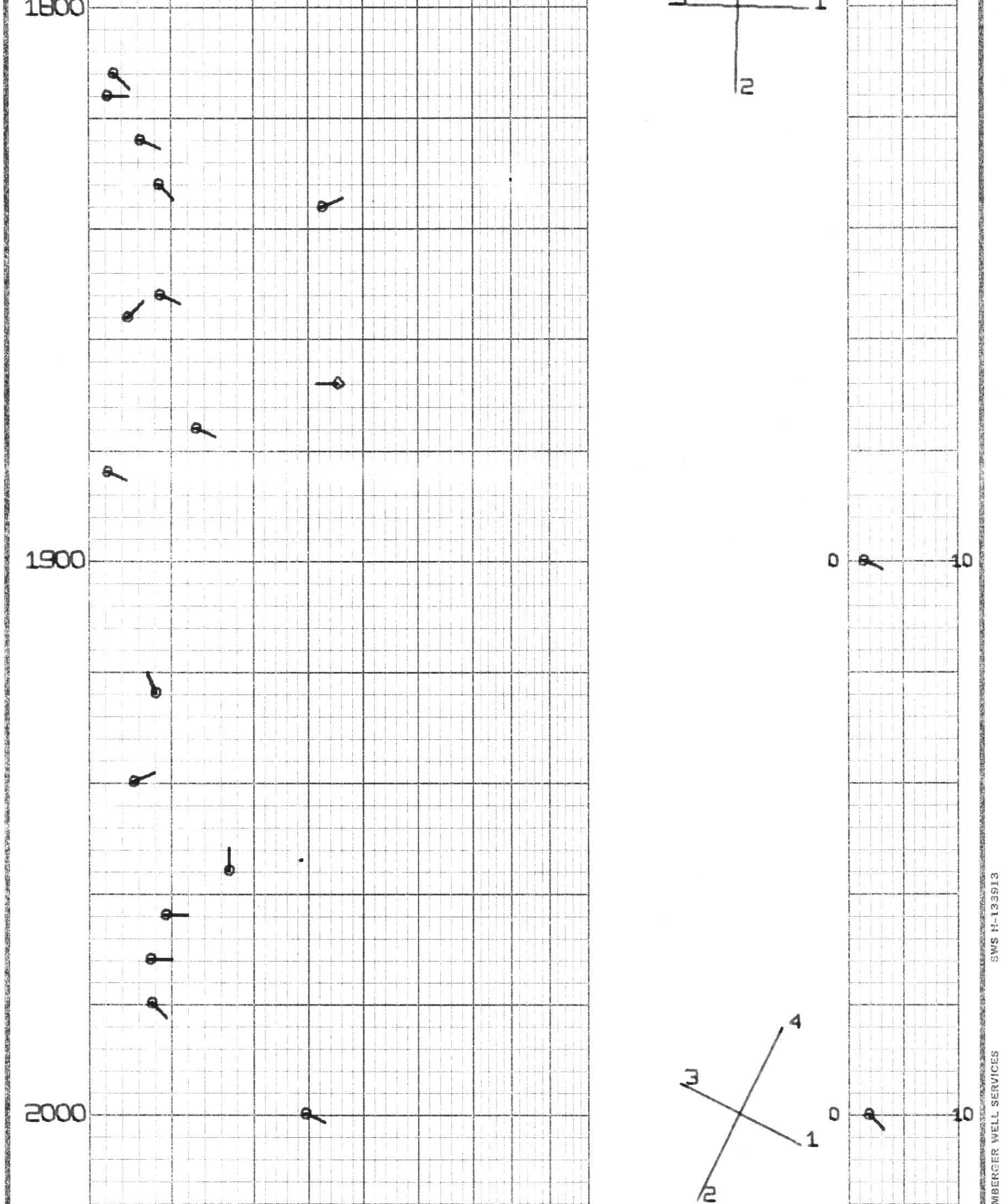

SWS H-133913

MBERGER WELL SERVICES

Repeat Section

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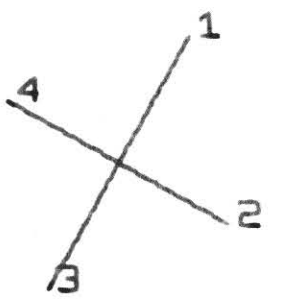

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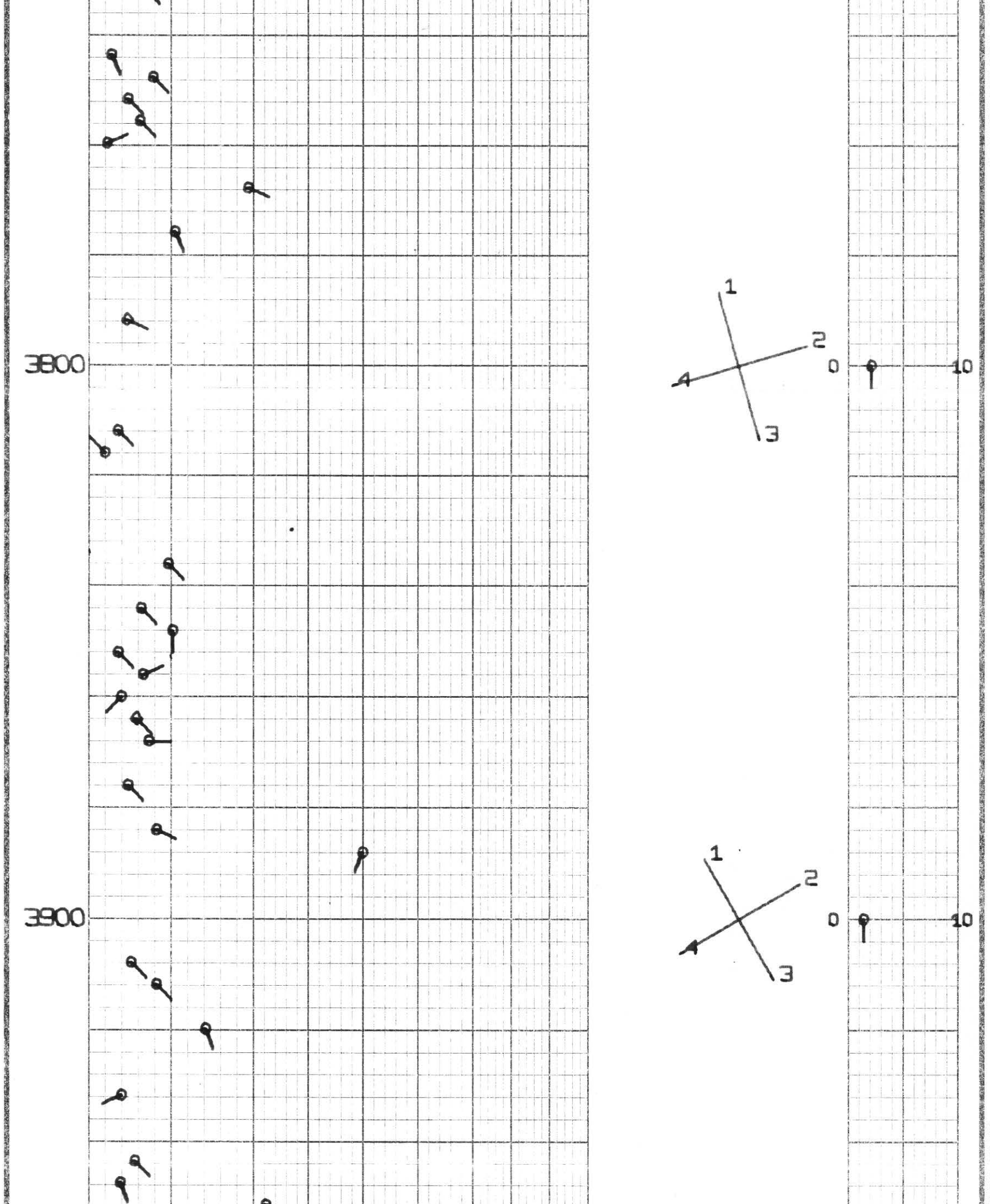

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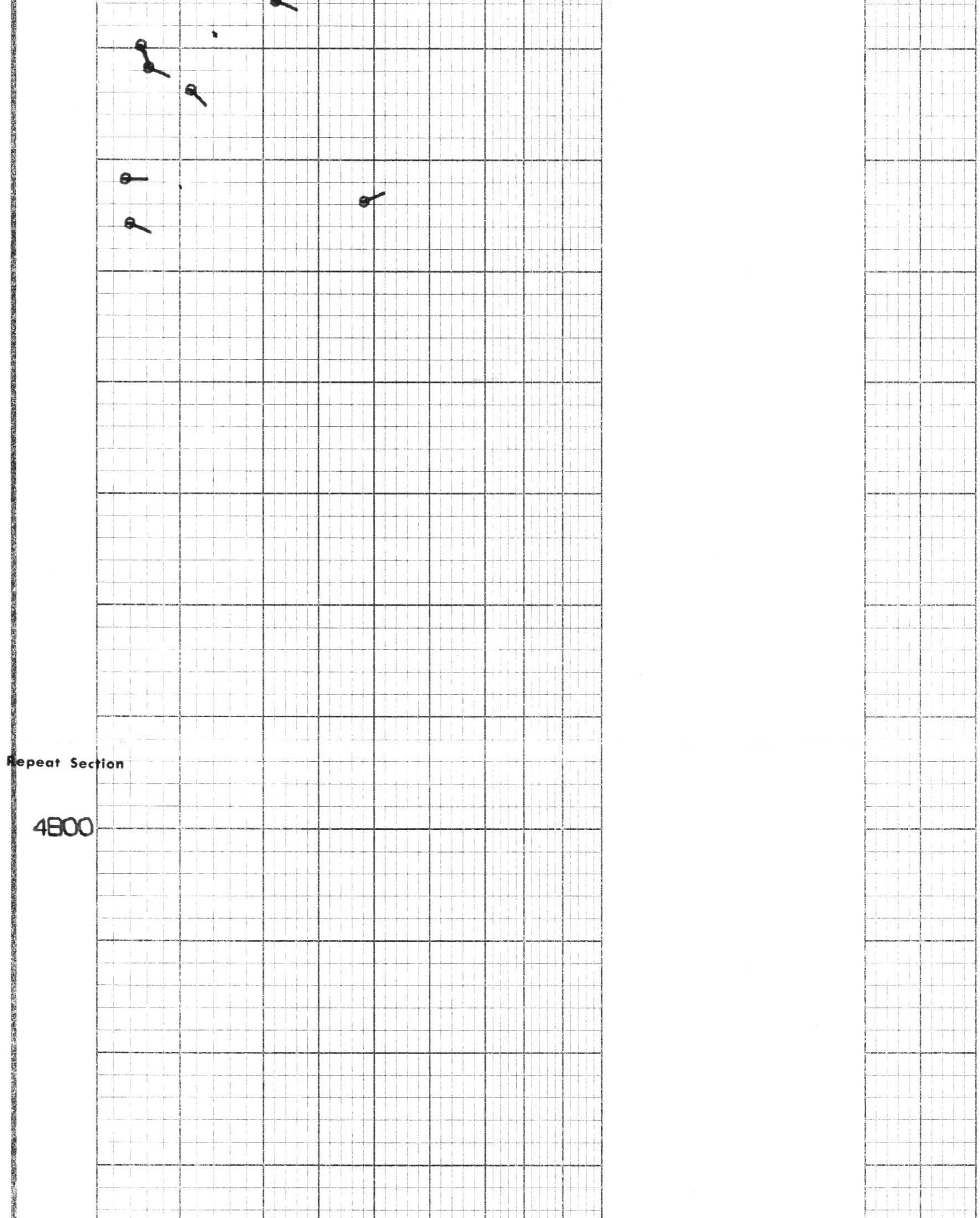

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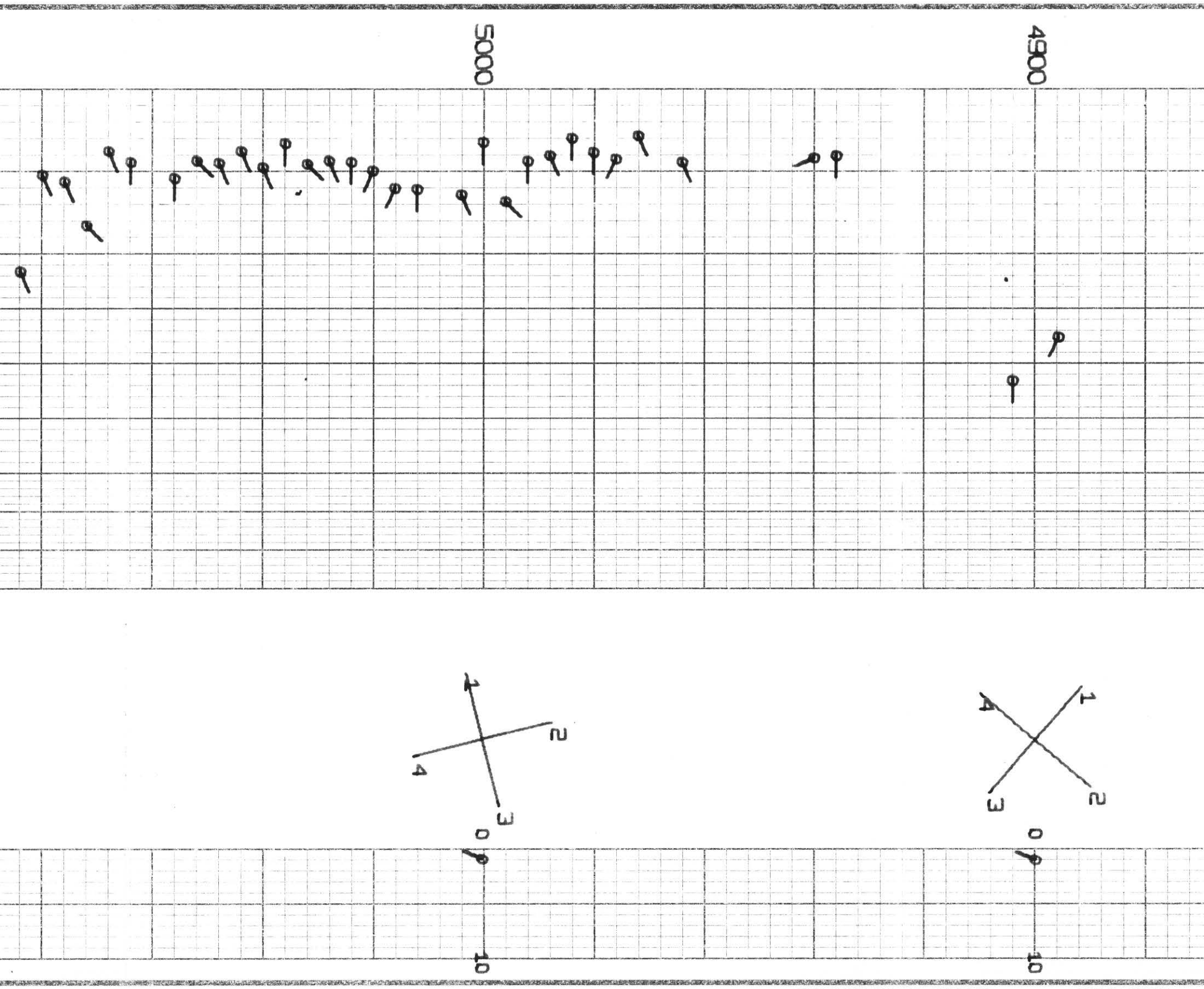

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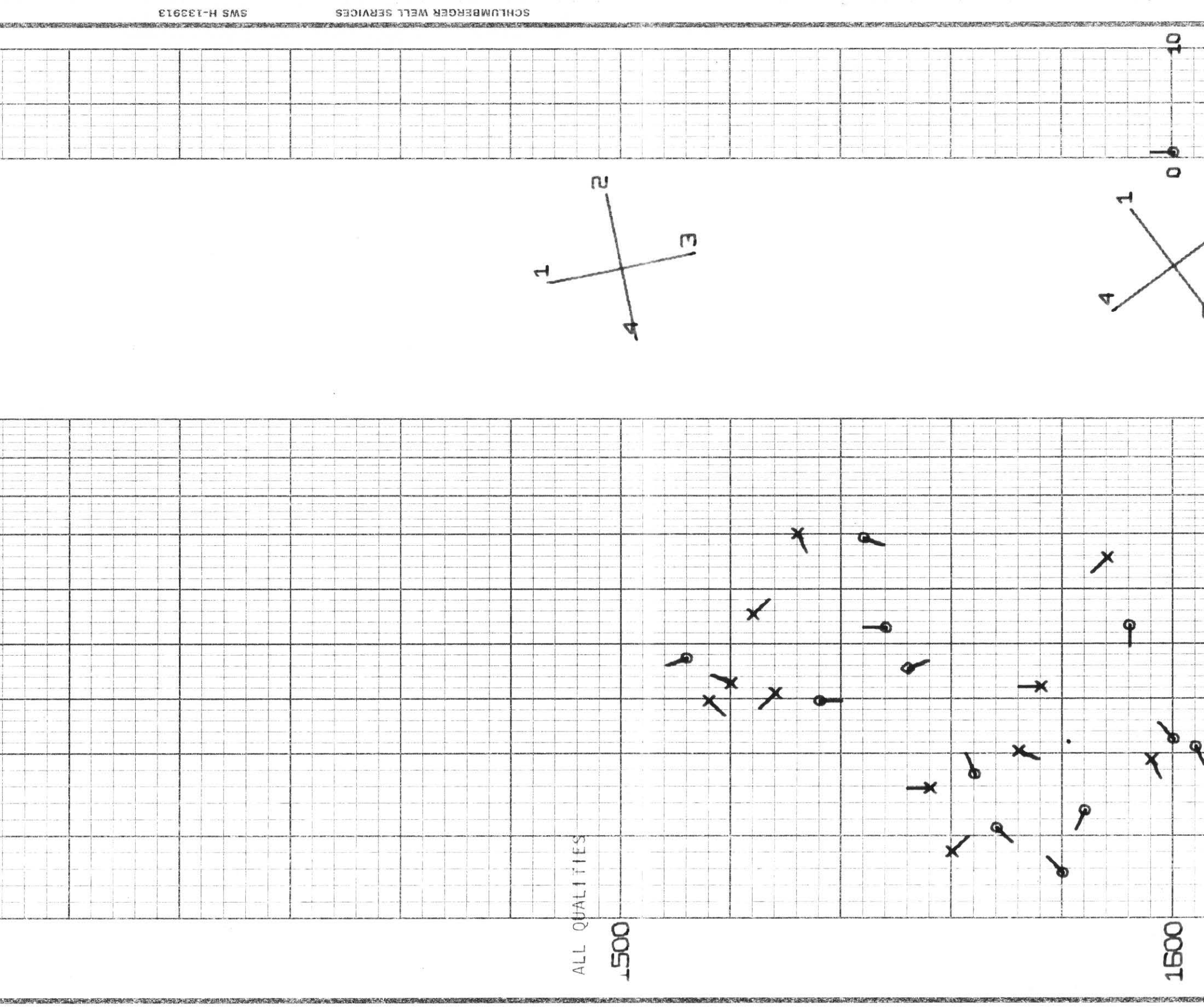
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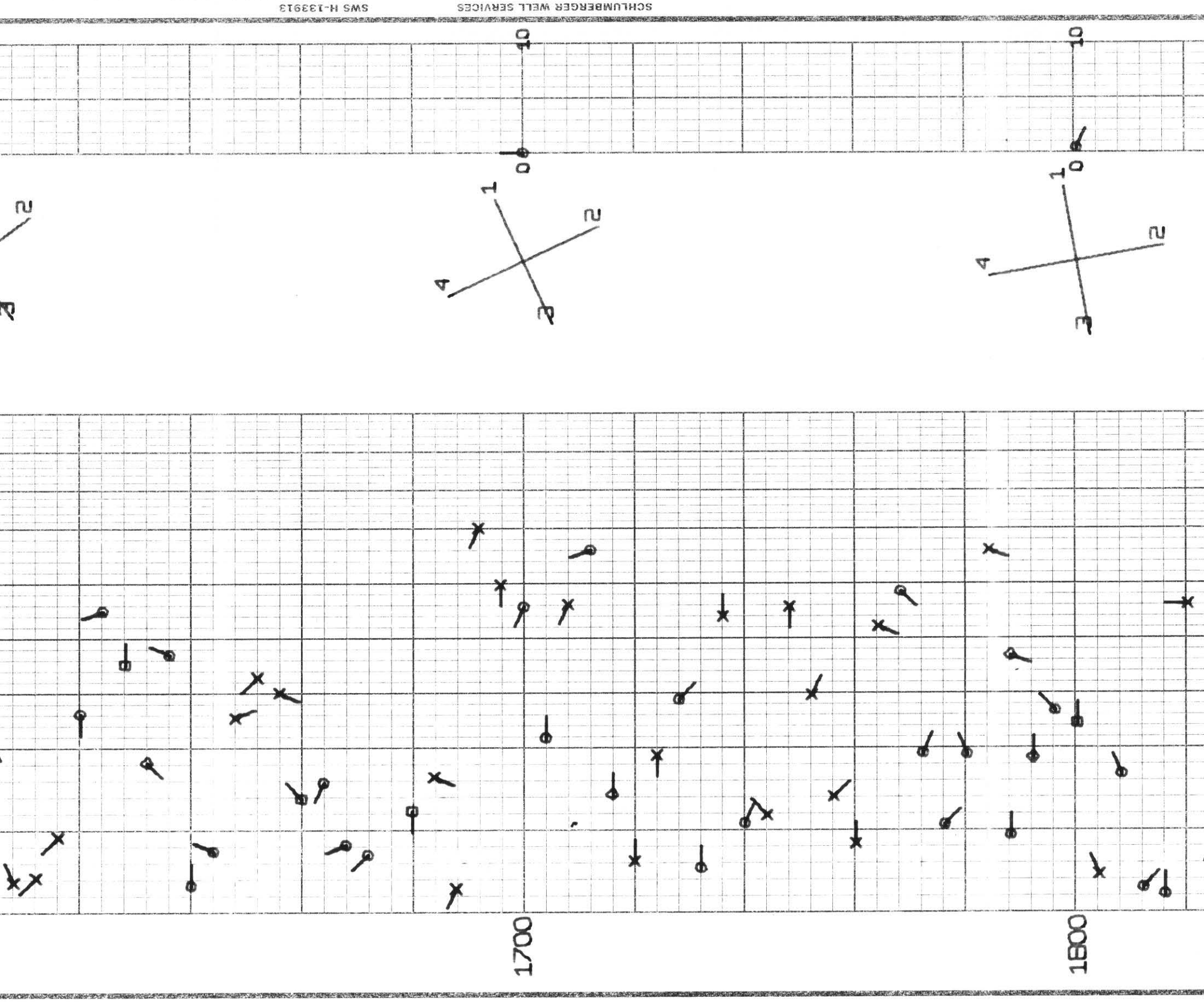
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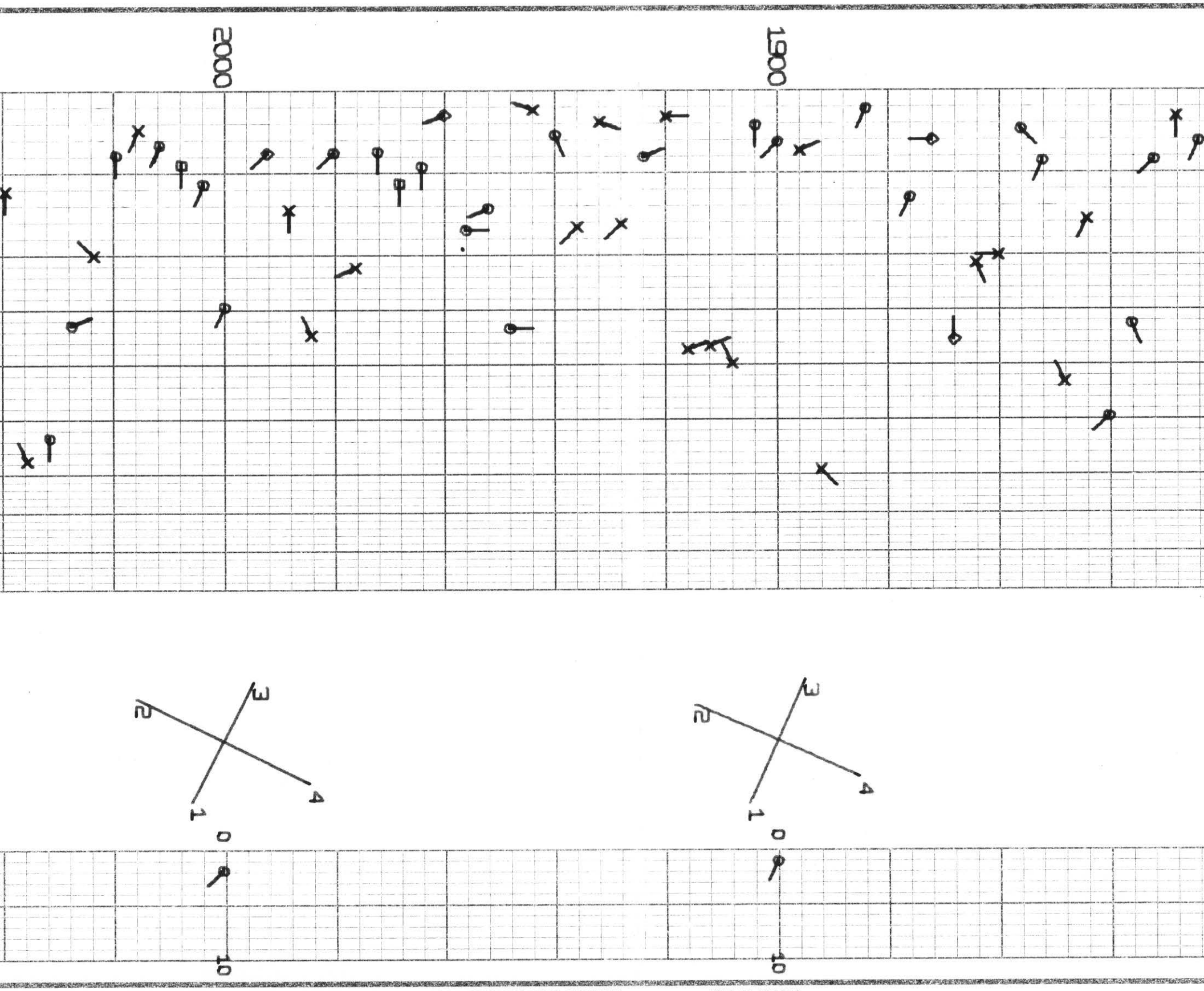

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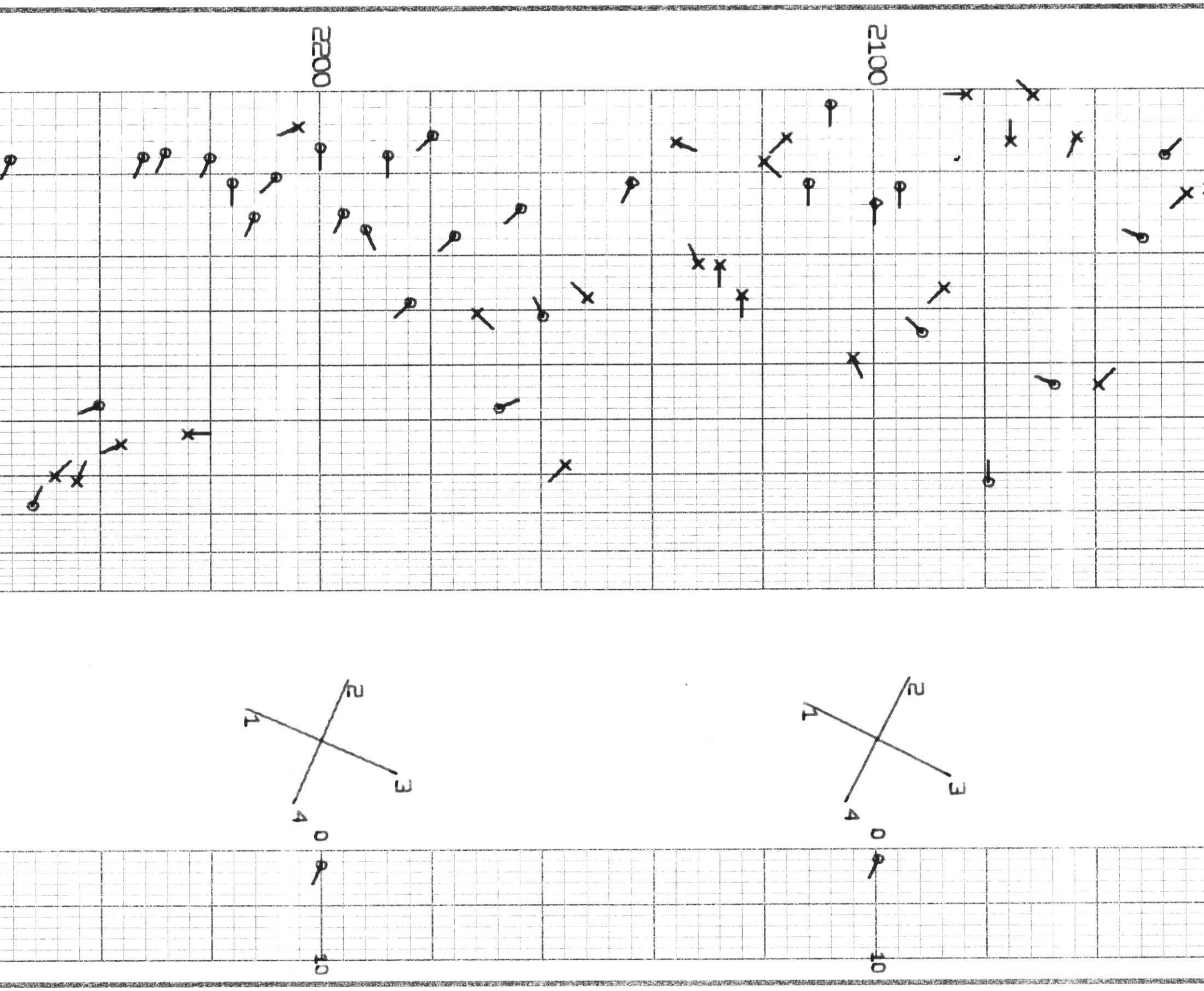
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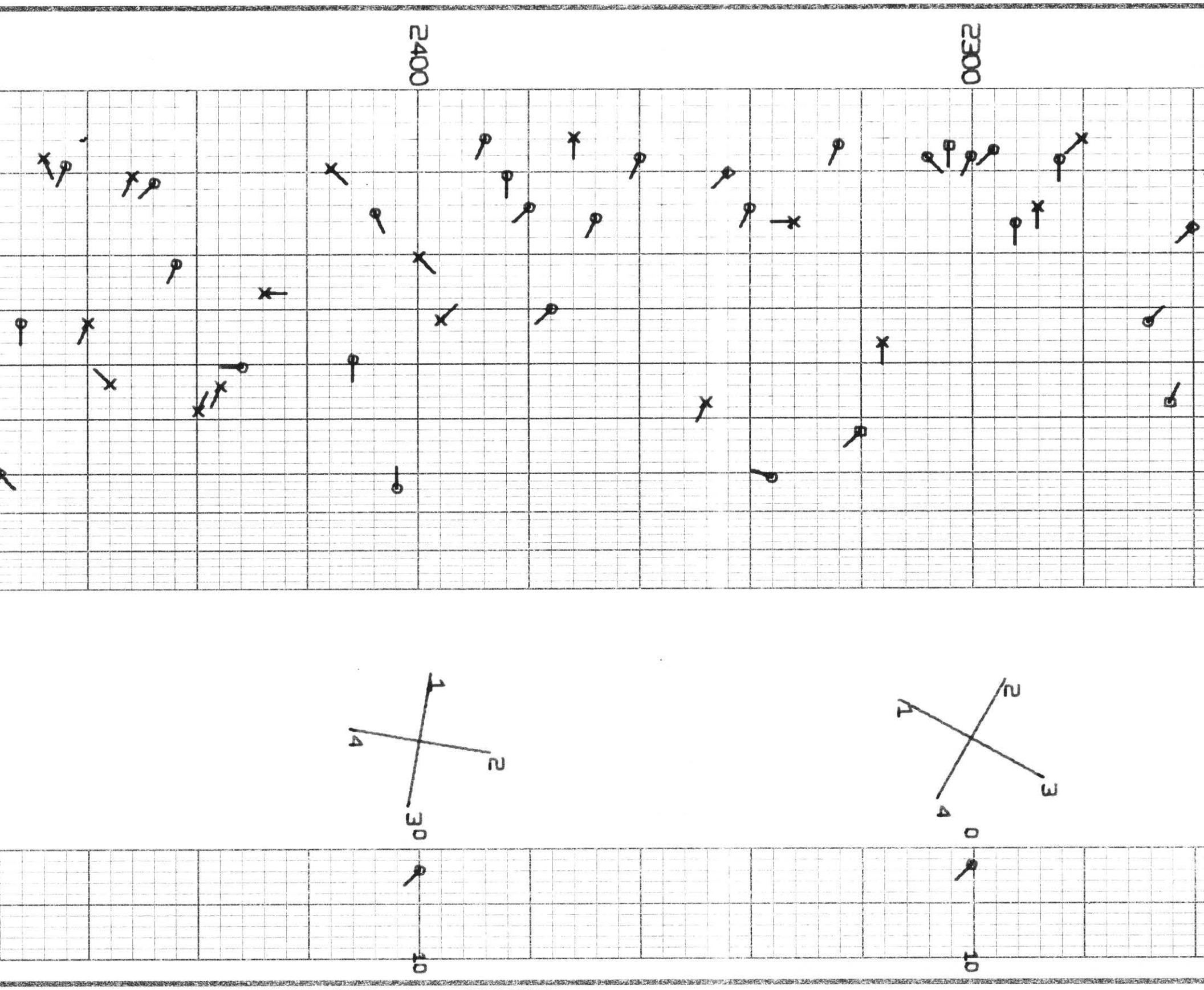
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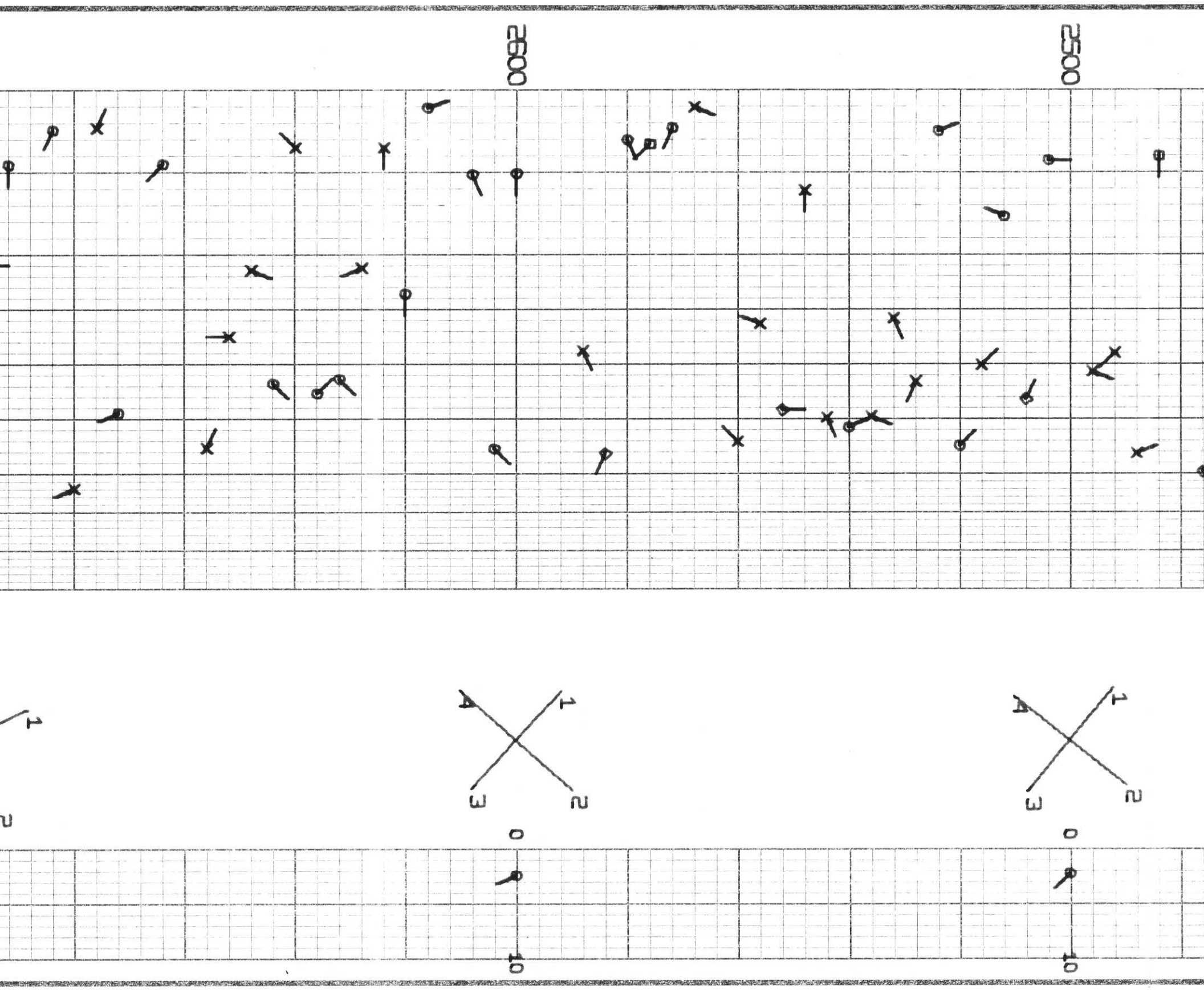
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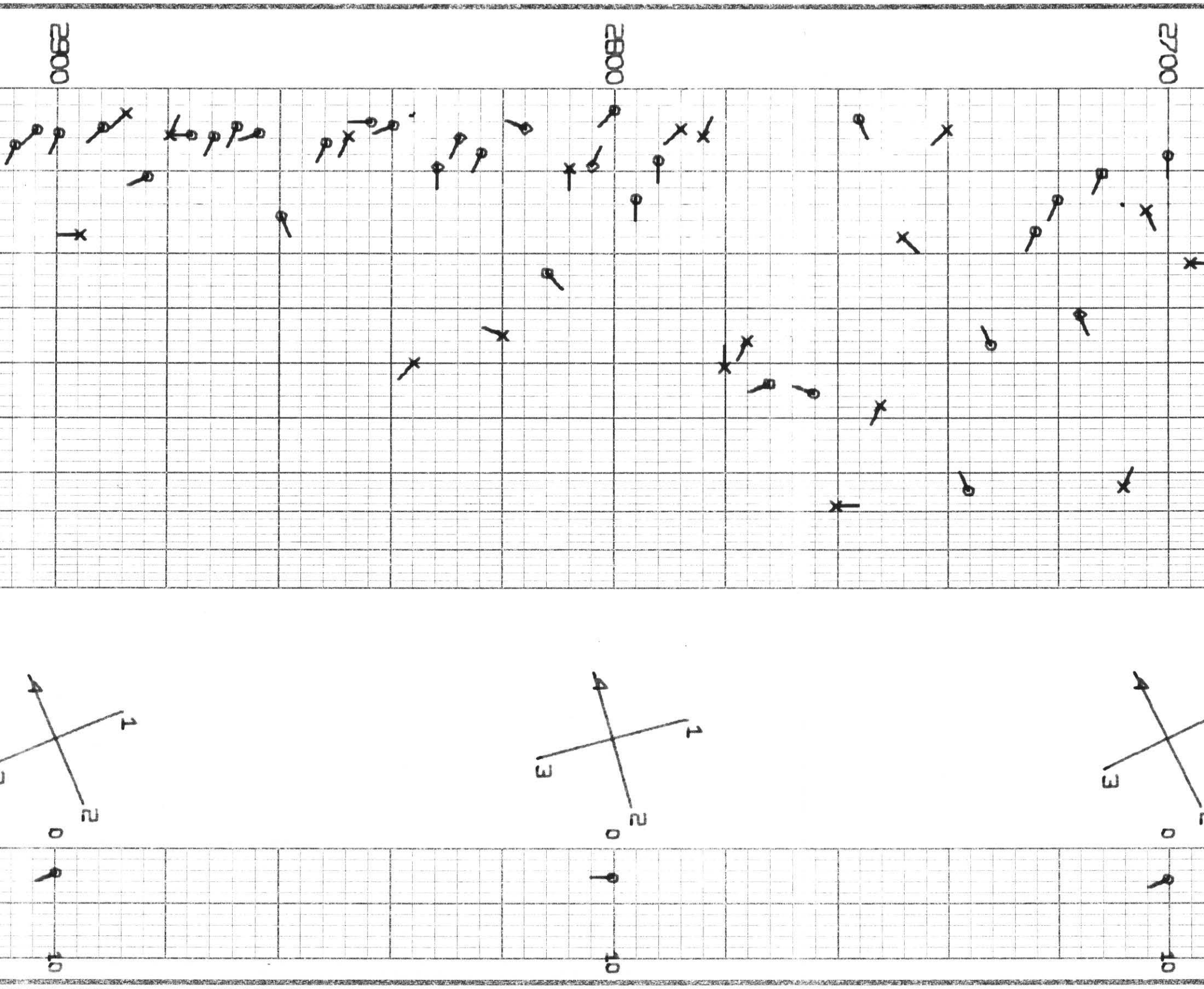
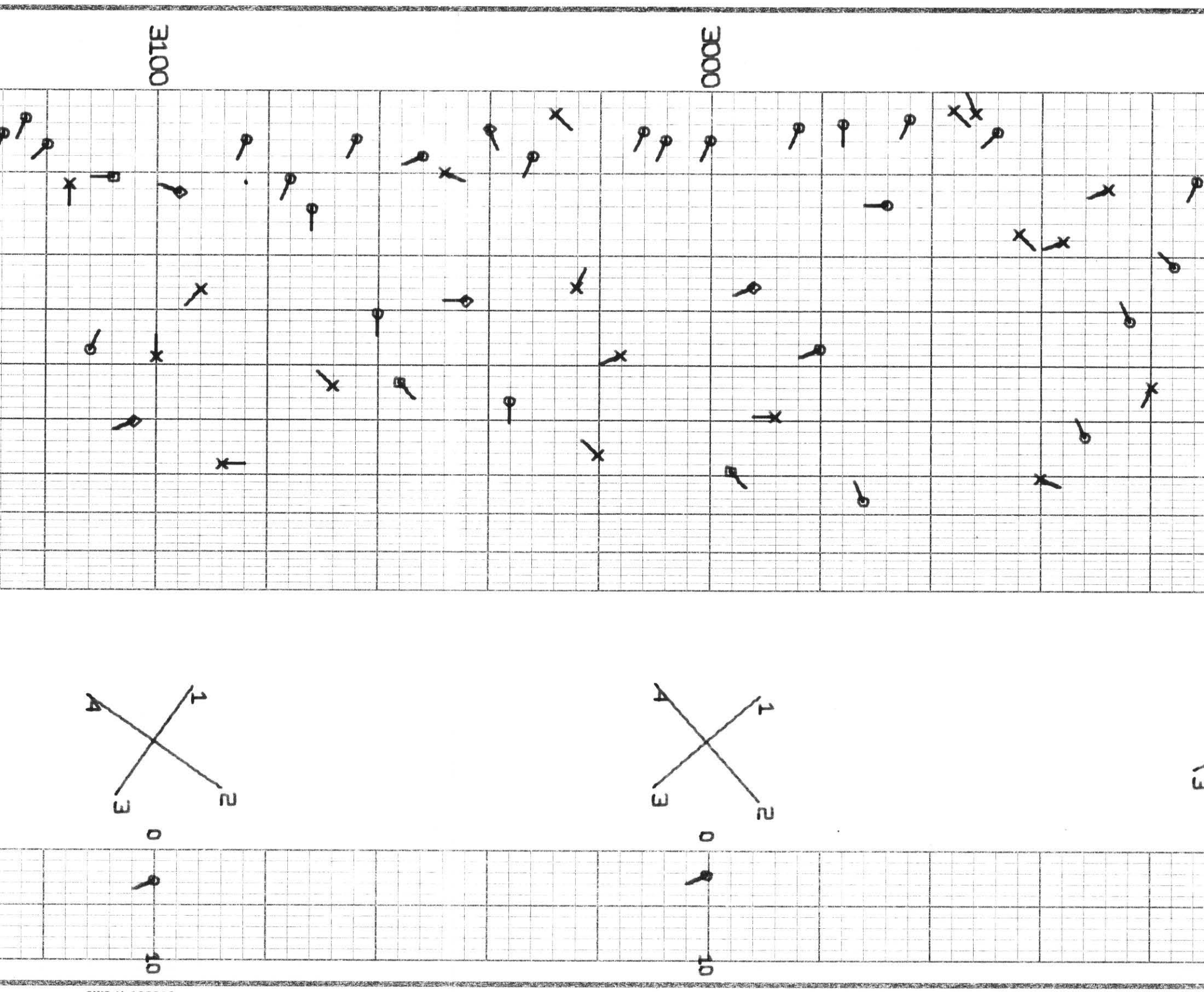


GER WELL SERVICES SWS H-133913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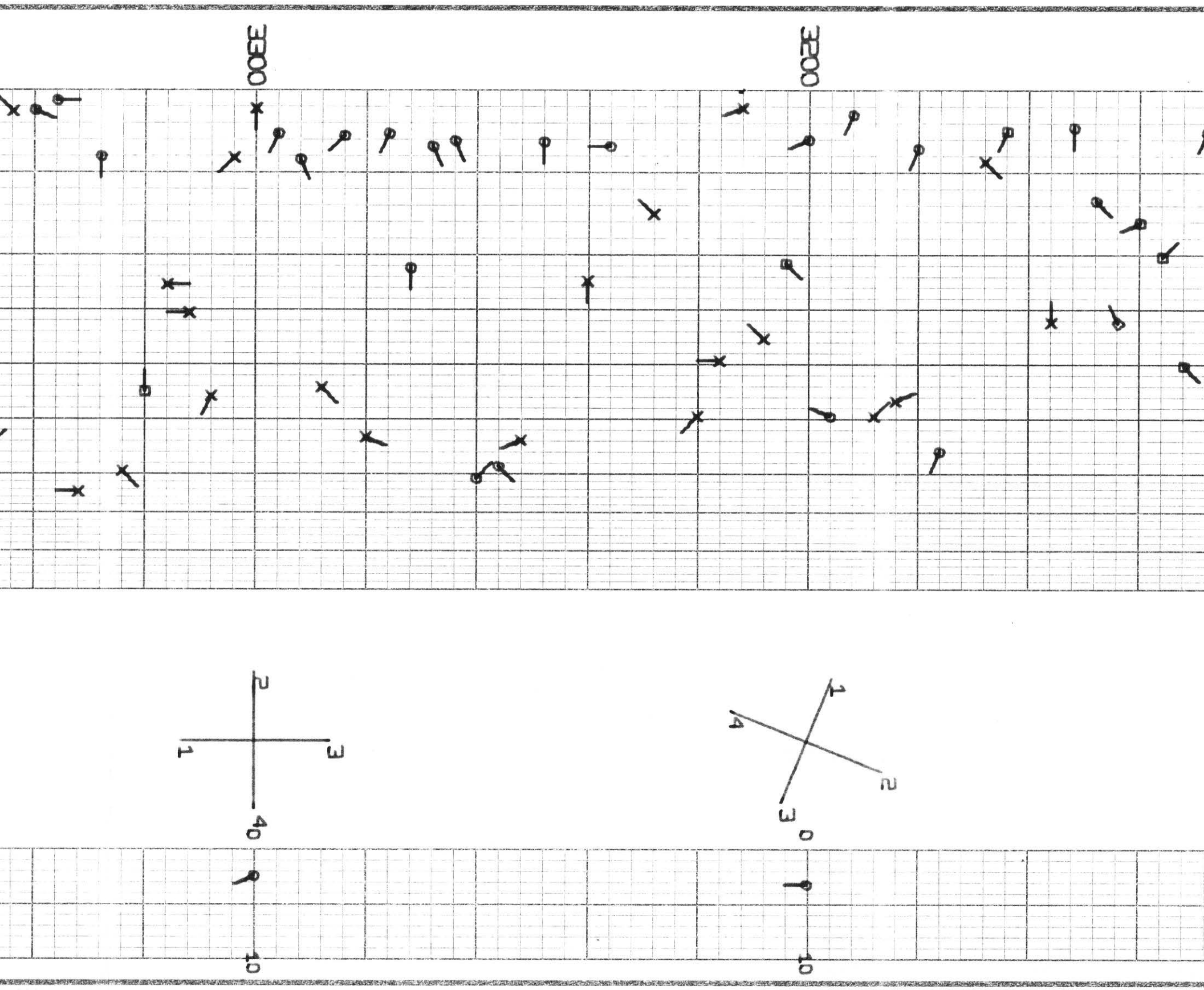
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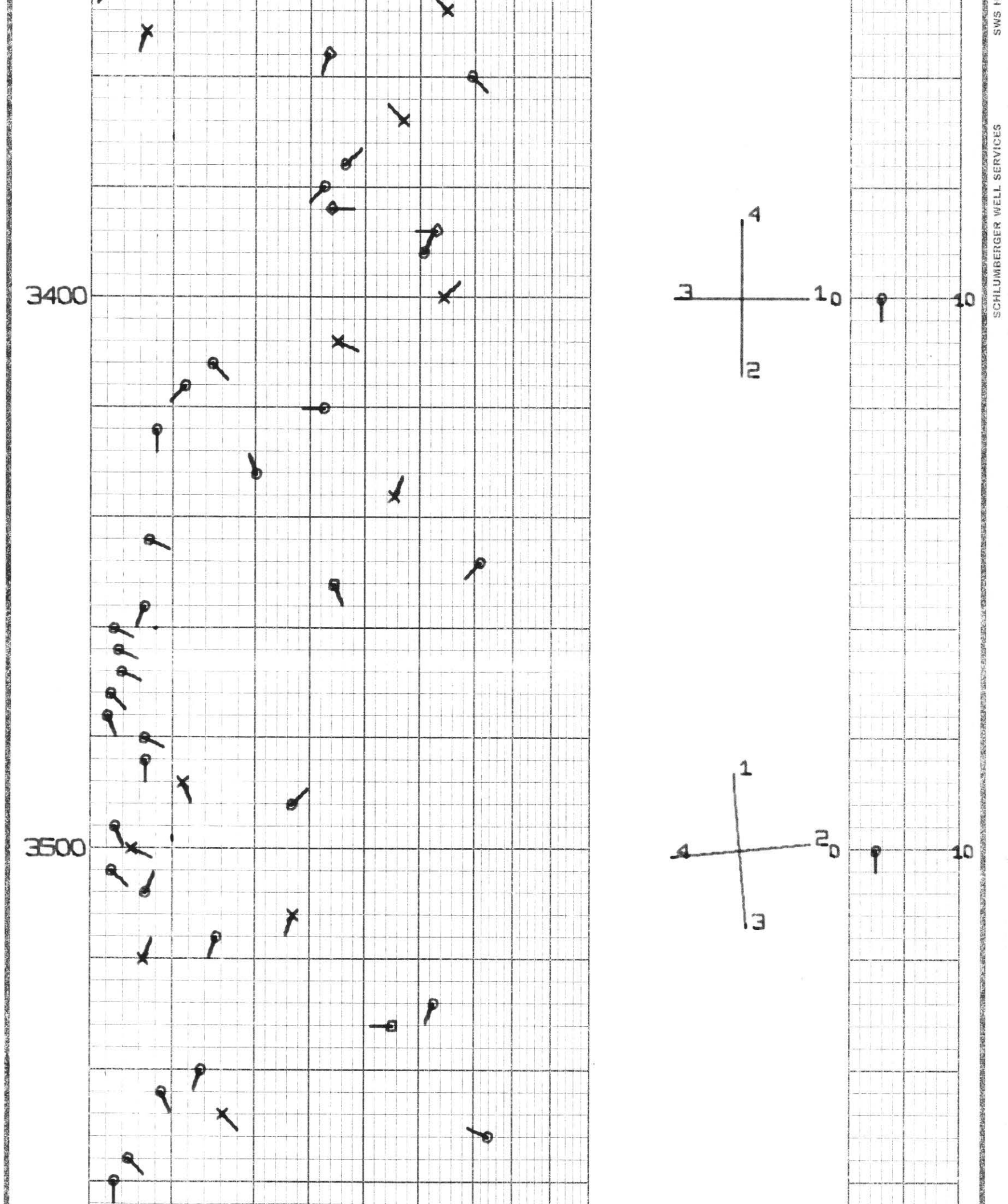
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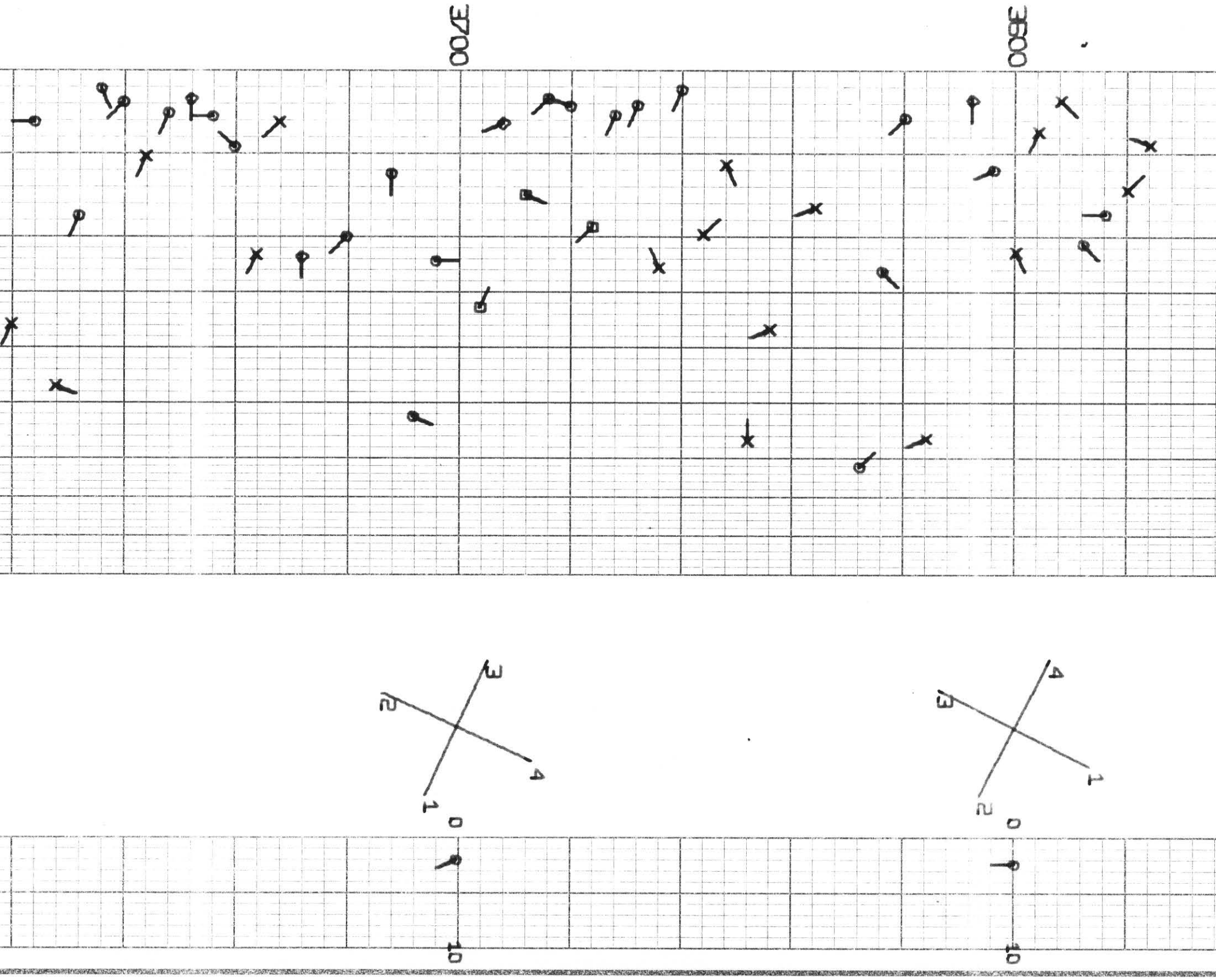
SCHLUMBERGER WELL SERVICES
SWS



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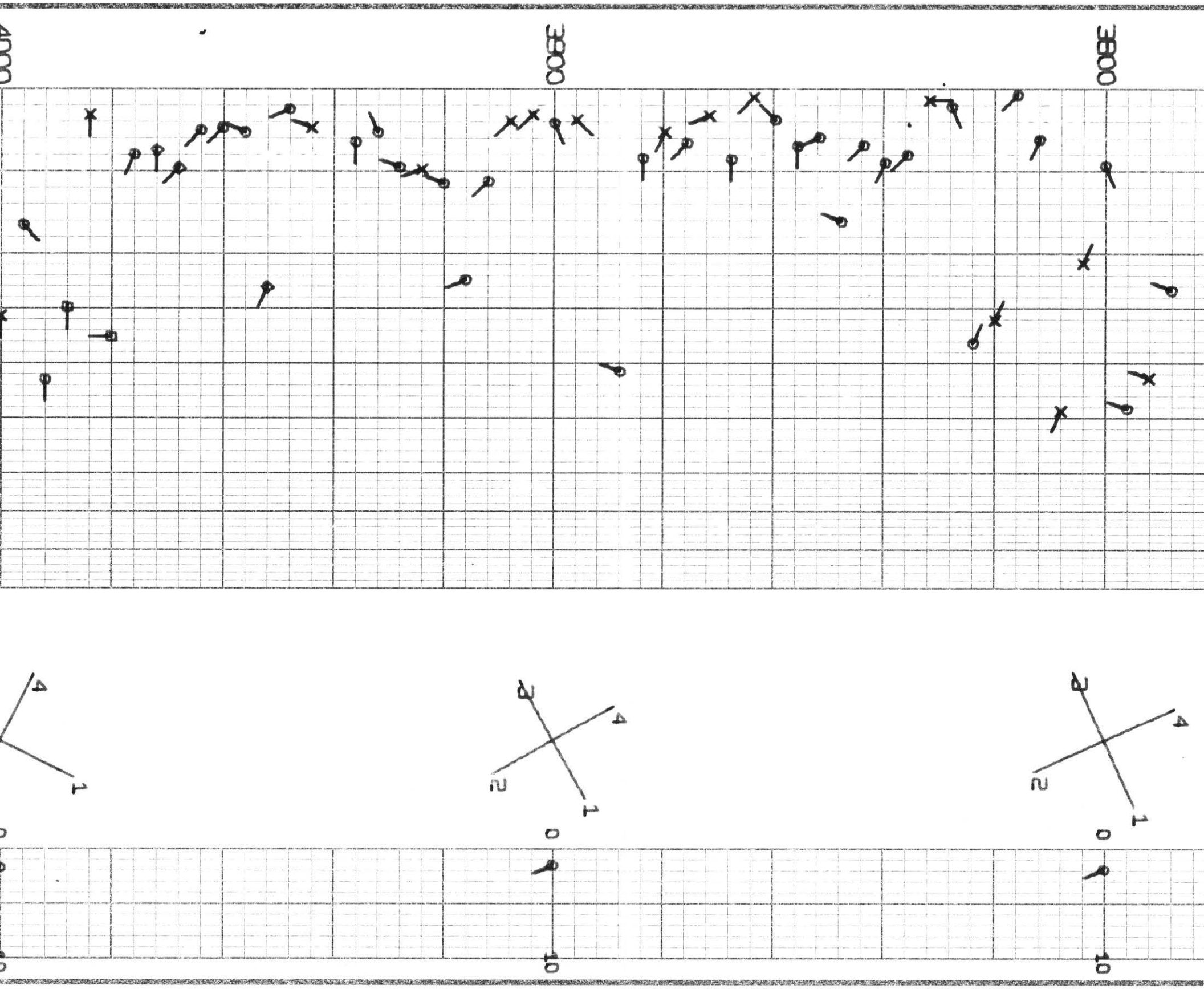

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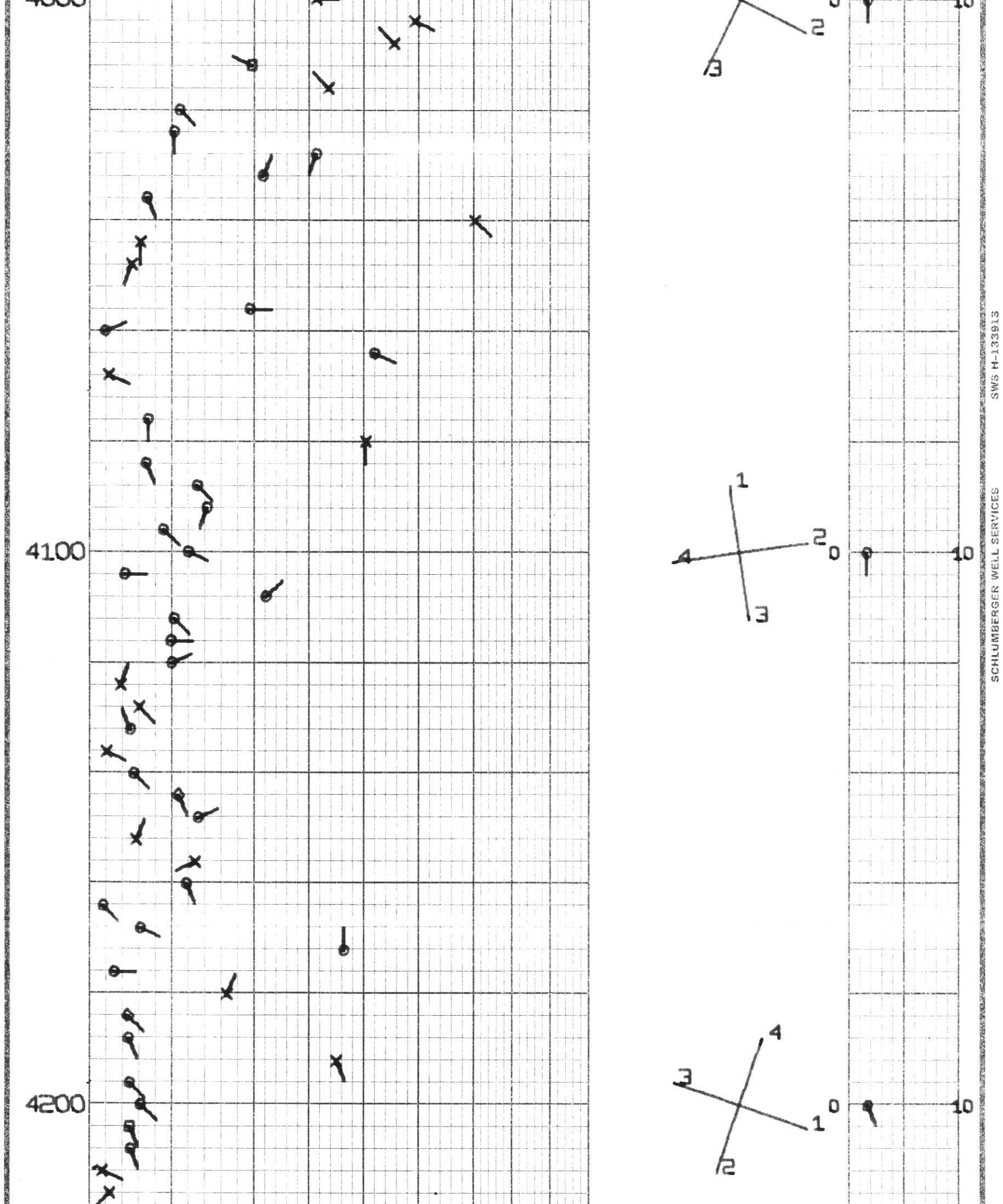
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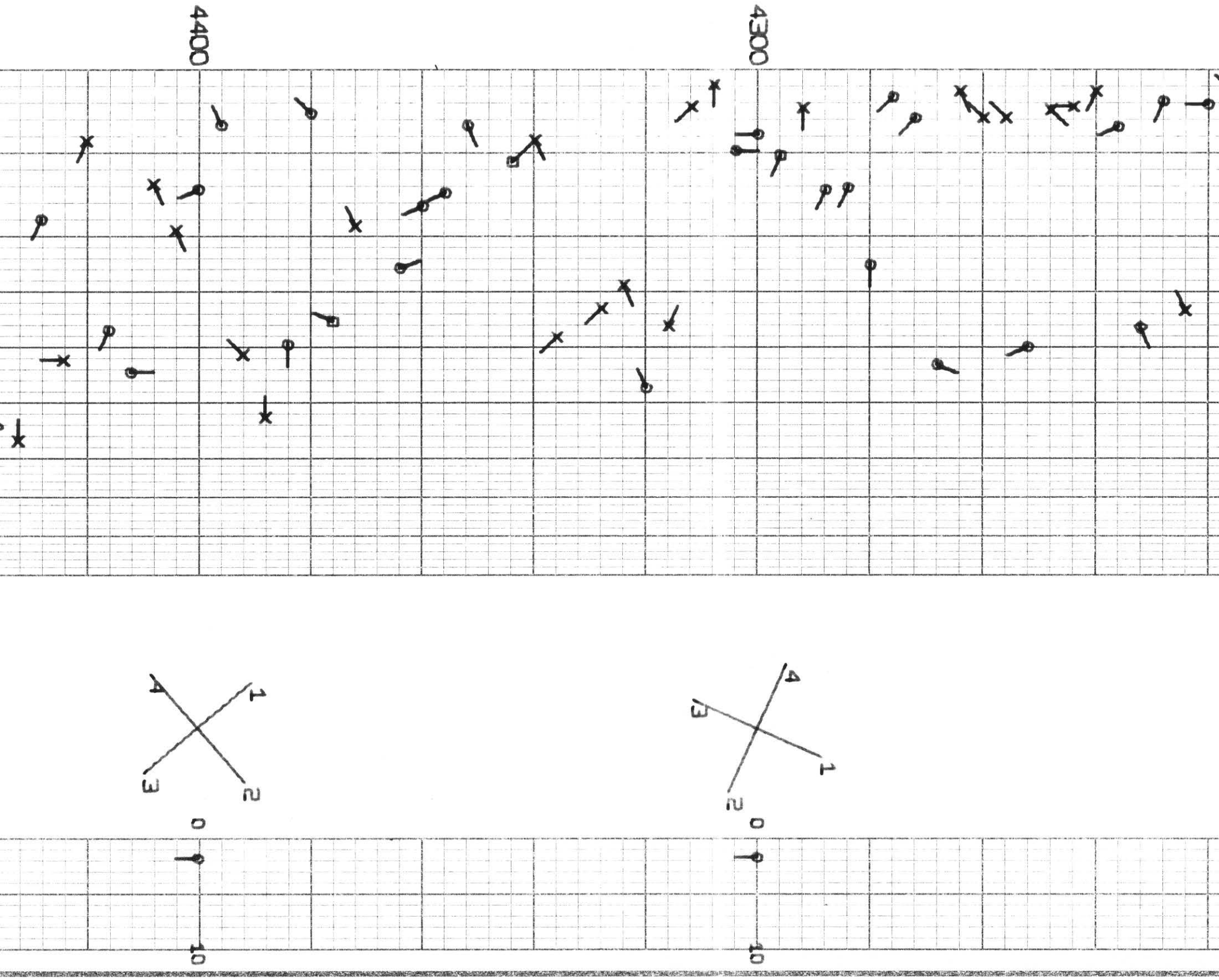
SCHLUMBERGER WELL SERVICES
SWS H-133913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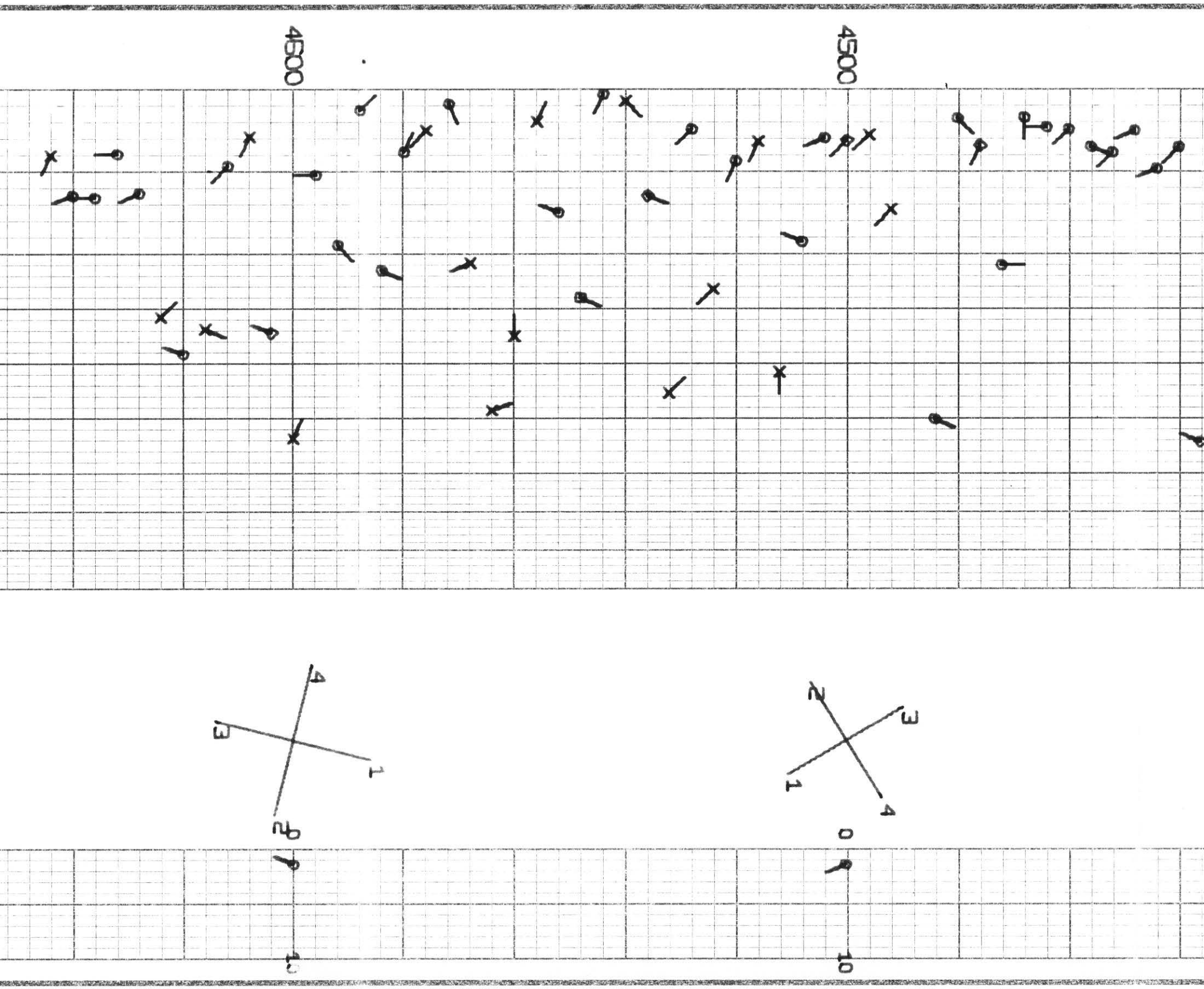
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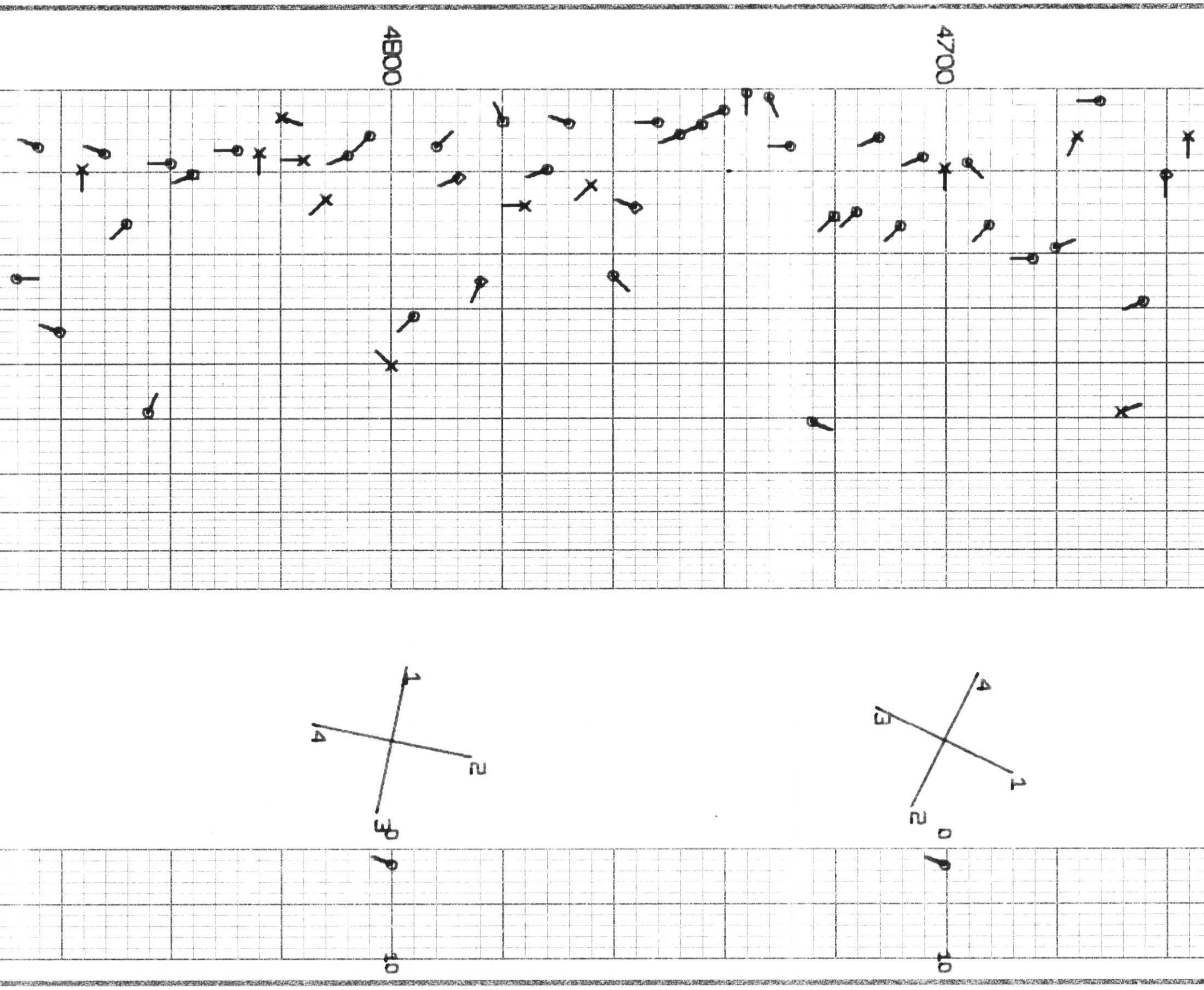
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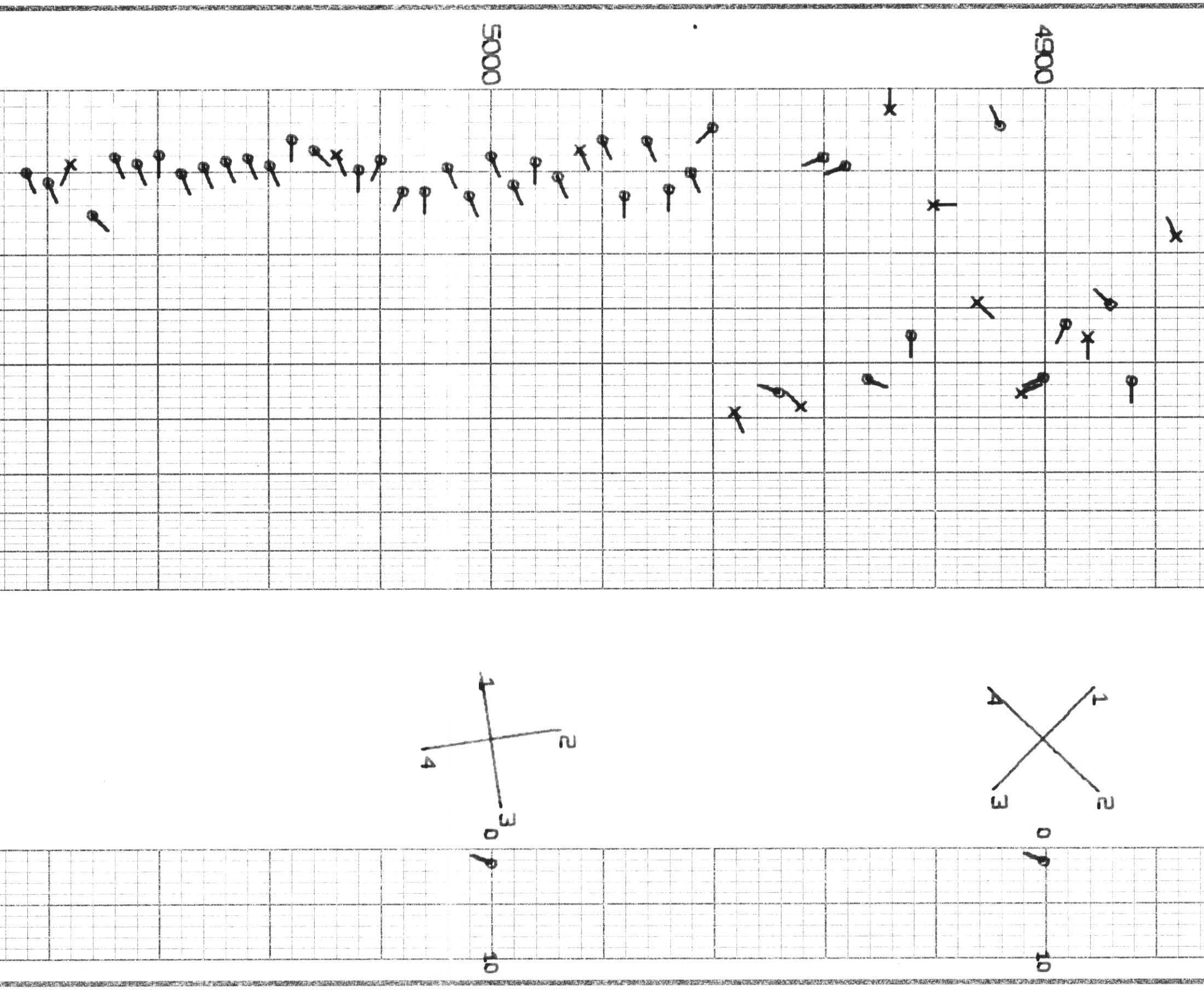
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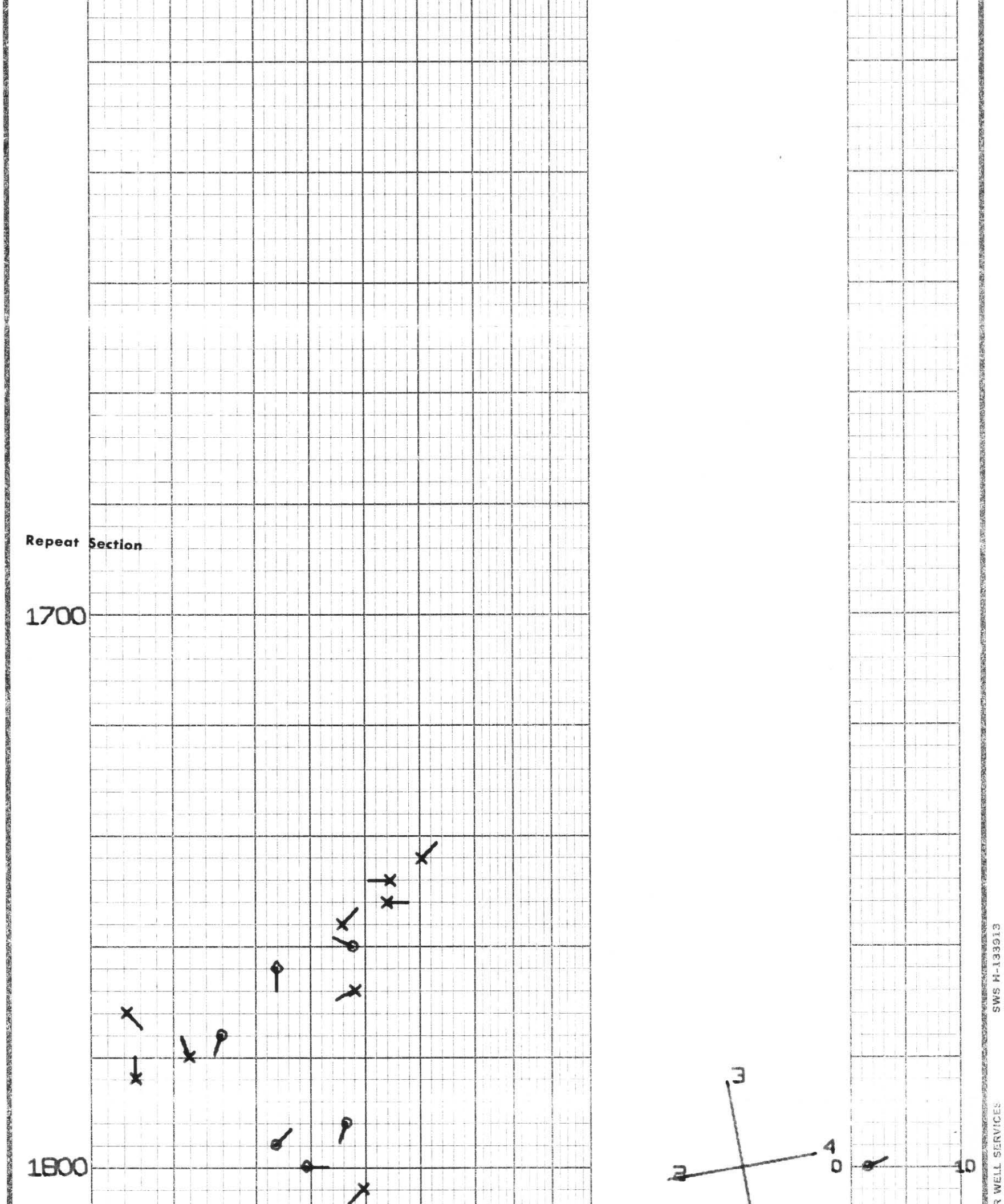
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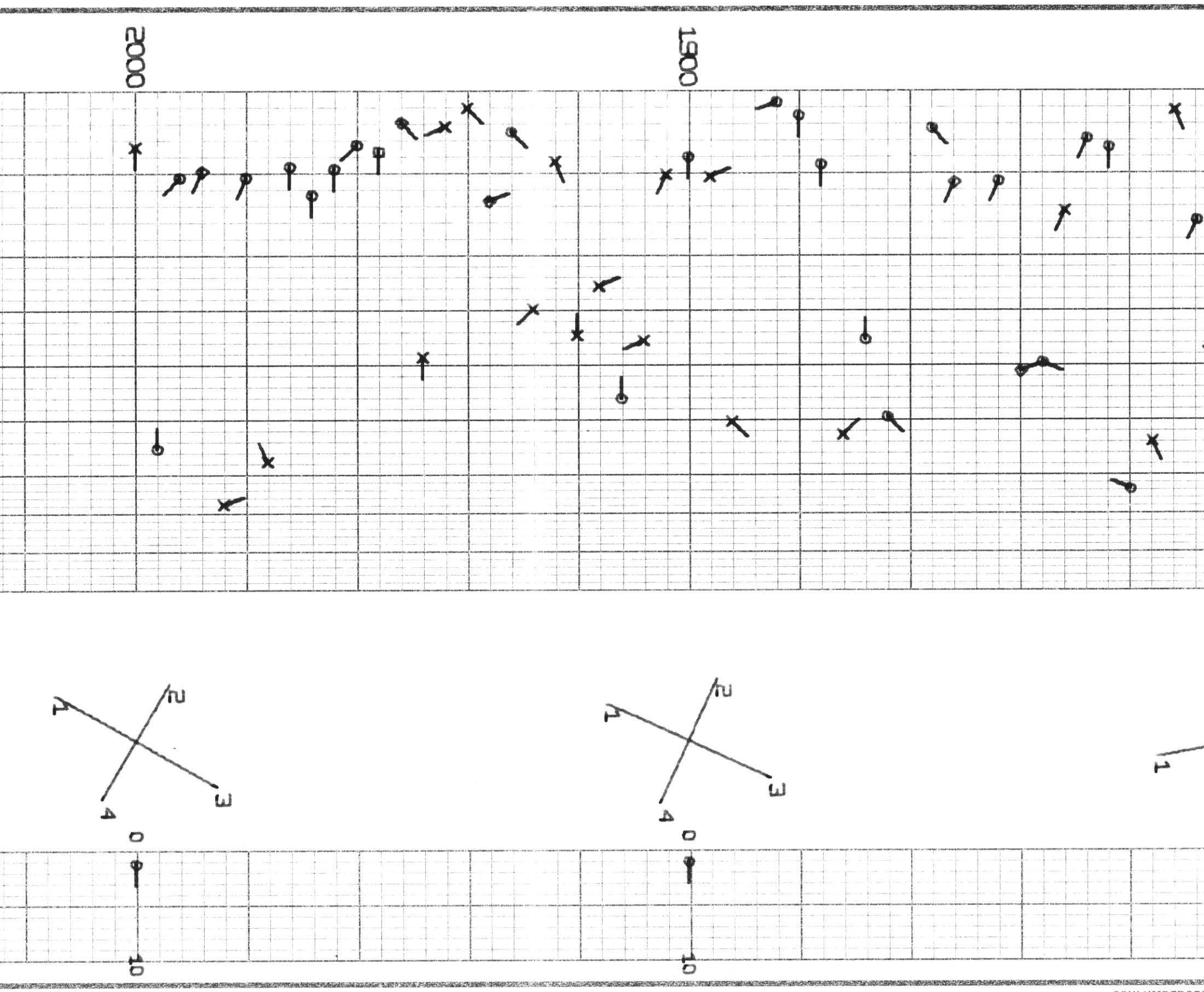
SWS H-133913
R WELL SERVICES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Repeat Section

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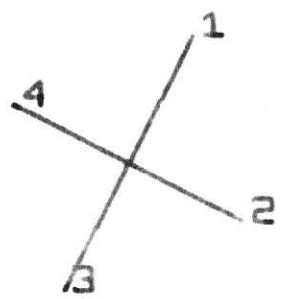
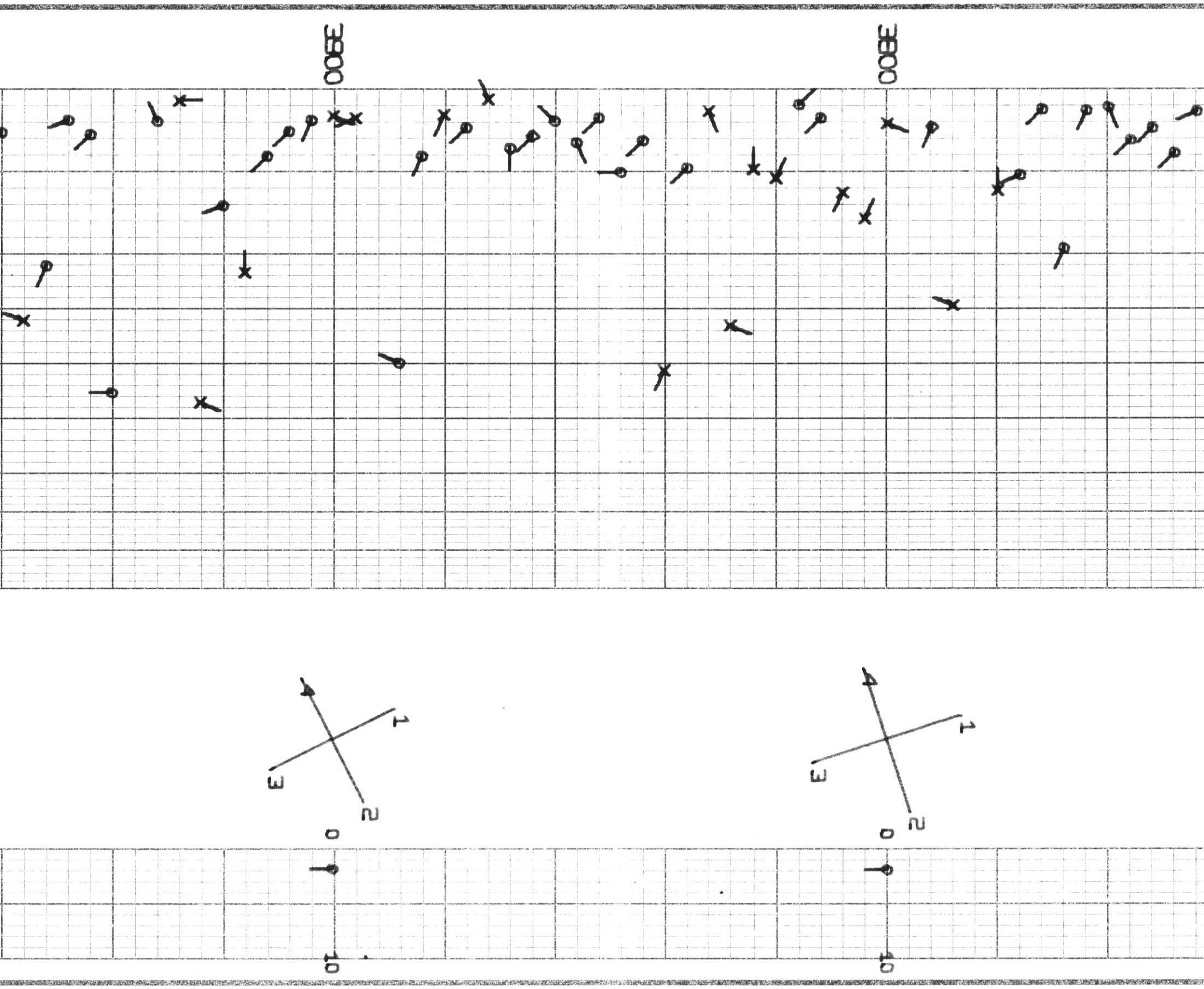


SCHLUMBERGER WELL SERVICES

33913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3800
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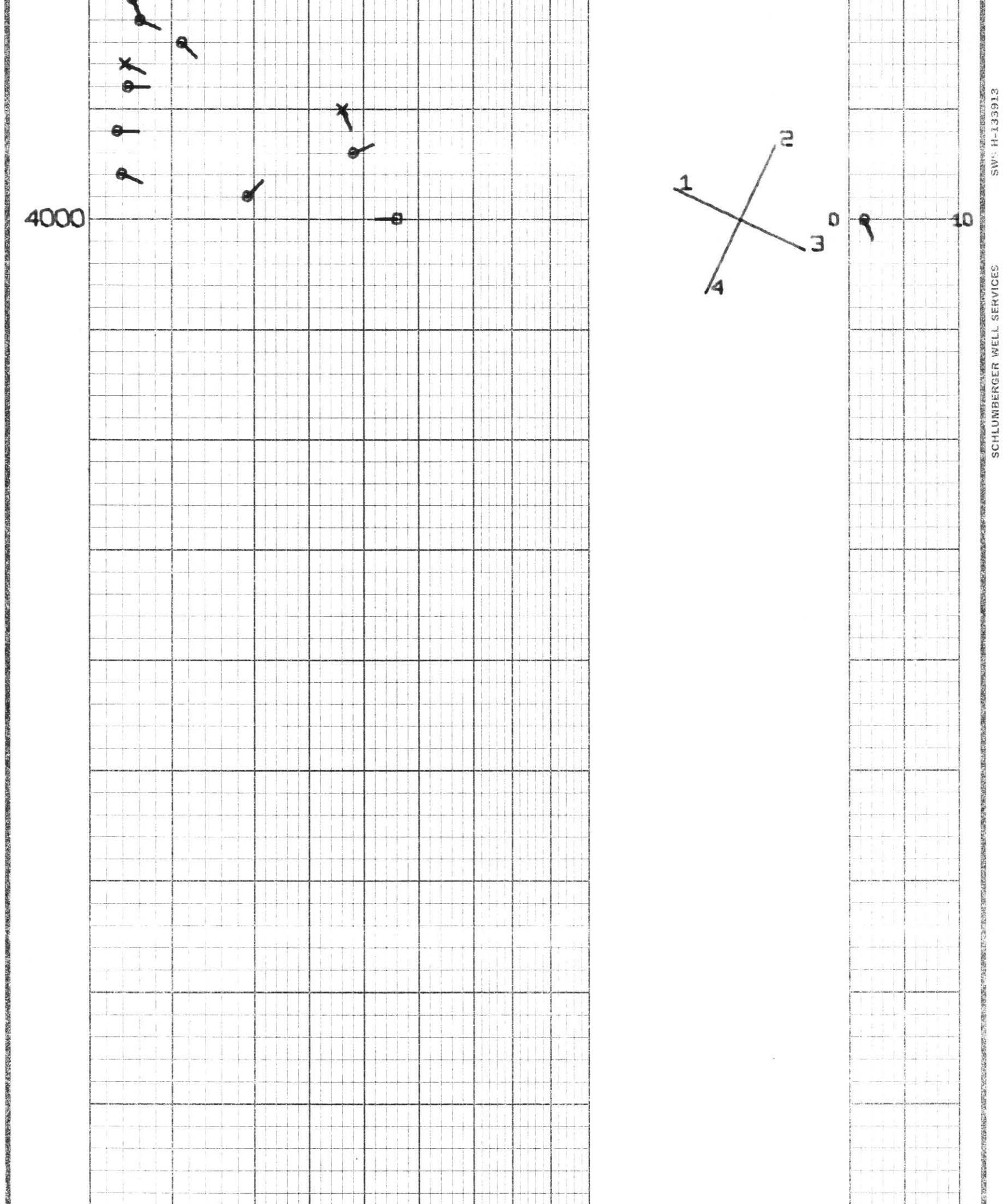
0
10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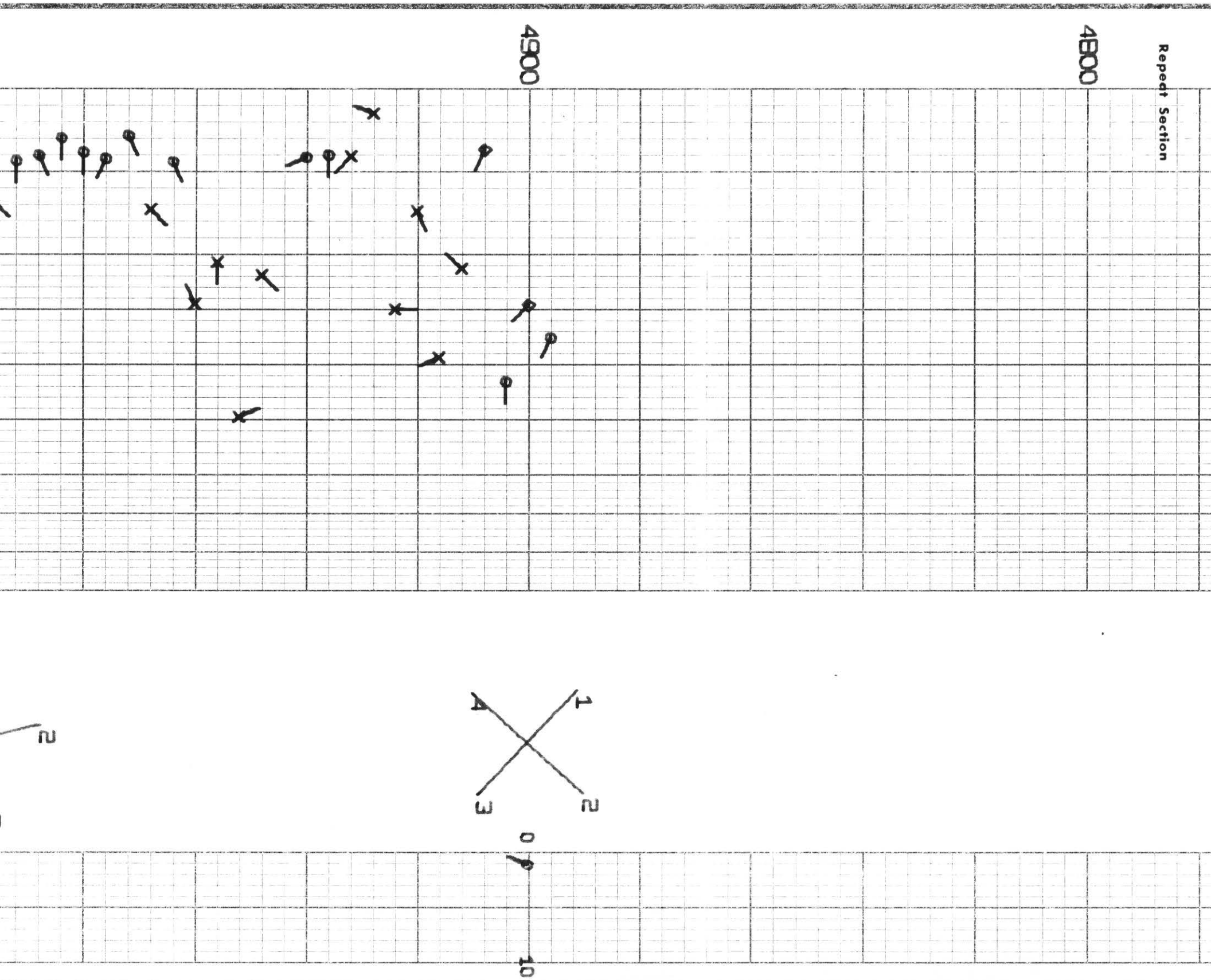
SCHLUMBERGER WELL SERVICES
SW: H-133913


Repeat Section
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4900
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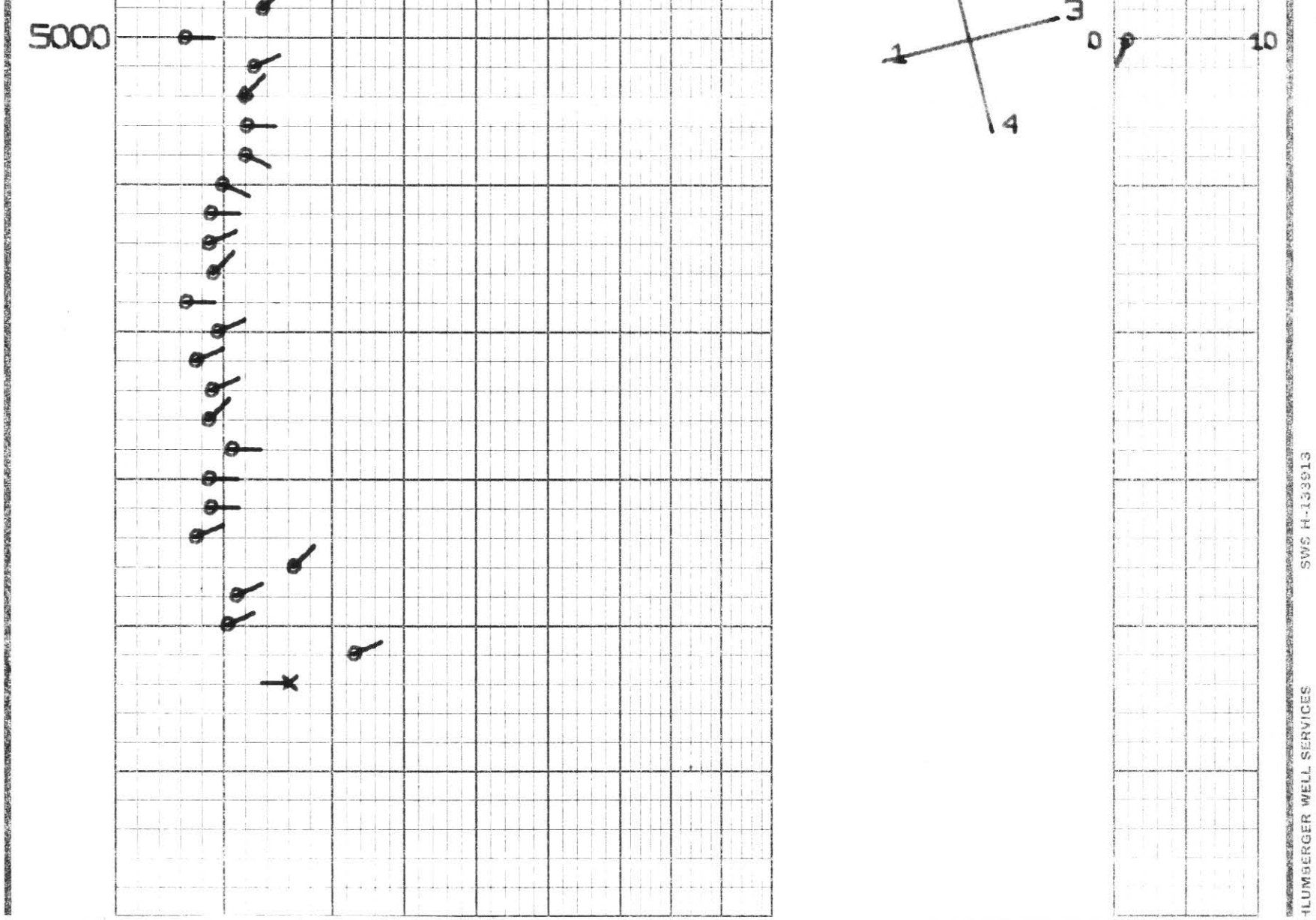

DEPTHS	0° 10° 20° 30° 40° 50° 60° 70° 80° 90° TRUE DIP ANGLE	DEPTH INTERVAL	TRUE DIP & TRUE DIP DIRECTION	0° DRIFT & TRUE DRIFT DIRECTION OF SONDE

COMPANY MOBIL OIL CORPORATION

WELL KINGSTON #1

FIELD WILDCAT

COUNTY KITSAP STATE WASHINGTON

Rm 0.62 @ 70 °F
Rmf 0.42 @ 62 °F
Rmc 0.88 @ 62 °F
BHT 112 °F

SCHL. FR 5093
SCHL. TD 5094
DRLR TD 5093
Elev:
KB
DF
GL