

CONTINUOUS DIPMETER

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

LOCATION
 COMPANY AQUITAINE COMPANY OF CANADA LTD
 WELL AQUIT ALDER Y
 C-33
 FIELD WILDCAT
 PROVINCE YUKON

65° 52' 01.6" N LAT
 136° 51' 54.7" W LONG

Other Services:
 D.L., BHC-CR, CNT
 FDC-CR, FCS,
 TTR

Instrument Return: GL
 Log Received From: KB
 6.4 m Above Form. Datum
 Drilling Received From: KB
 Elev.: 523.6
 Elev.: K.B. 530.0
 D.F. 523.6
 G.L. 523.6

Run No.	Tool Type	HDM No.	HDE No.	HDP No.	HDS No.	DPI No.	DER No.	Computed By	Correlation Interval	Step	Search
1								DEC 10	1.2 M	0.3 M	45° X

FOLD HERE

REMARKS 31 MAY 79 CAL FB
 DRILLING STOPPED:
 PANEL NO. 927
 CARTRIDGE NO. 911
 SONDE NO. 883
 TTR NO.

Service Order No.
 Magnetic Declination 35 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 held responsible for any loss, costs, damages or expenses incurred or sustained that may result from any such computations."

TO OBTAIN THE FORMATION VERTICAL DISPLACEMENT CORRESPONDING TO A CERTAIN DISTANCE FROM THE WELL AND A PARTICULAR FORMATION DIP, USE THE FOLLOWING EQUATION:

$$\text{VERTICAL DISPLACEMENT (m)} = \text{DISTANCE (m)} \times \tan (\text{FORMATION DIP in degrees})$$

Example: The formation dip is 16 degrees. The vertical displacement occurring at a spot 660 m away from the well is desired. The vertical displacement is = 660 x tan 16° = 660 x .2867 = 189 m



BLACK ARROWS ARE HIGHEST QUALITY

CORRELATION LENGTH 1.2 M.

STEP LENGTH 0.3 M.

SEARCH ANGLE 45 DEGREES X1

PC0130043518307001020420

00

CORRELATION CURVE

DEPTH

DIP ANGLE AND DIRECTION

POSSIBLE
DRAFT

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

ALL QUALITY ARROW PLOT 02634

FROM THE CLUSTER PROGRAM

BLACK ARROWS ARE HIGHEST QUALITY

CORRELATION LENGTH 1.2 M.

STEP LENGTH 0.3 M.

SEARCH ANGLE 45 DEGREES X1

PC0130043518307001020420

ZONE FROM 1322 TO 2654

RESISTIVITY INCREASED

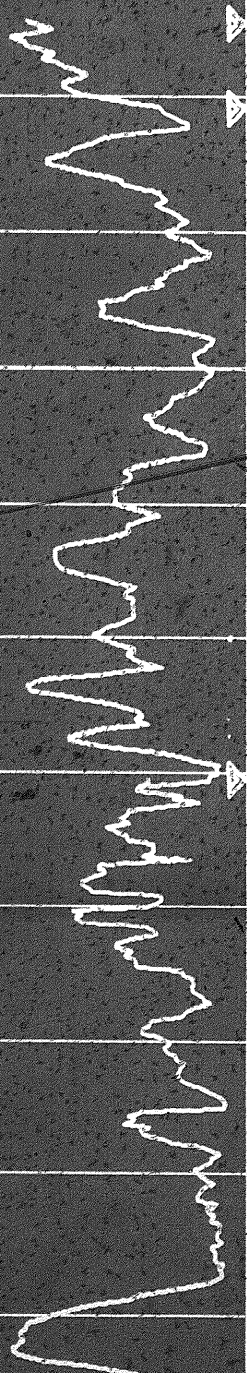
METER DEEP IN GRID

RESISTIVITY INCREASES

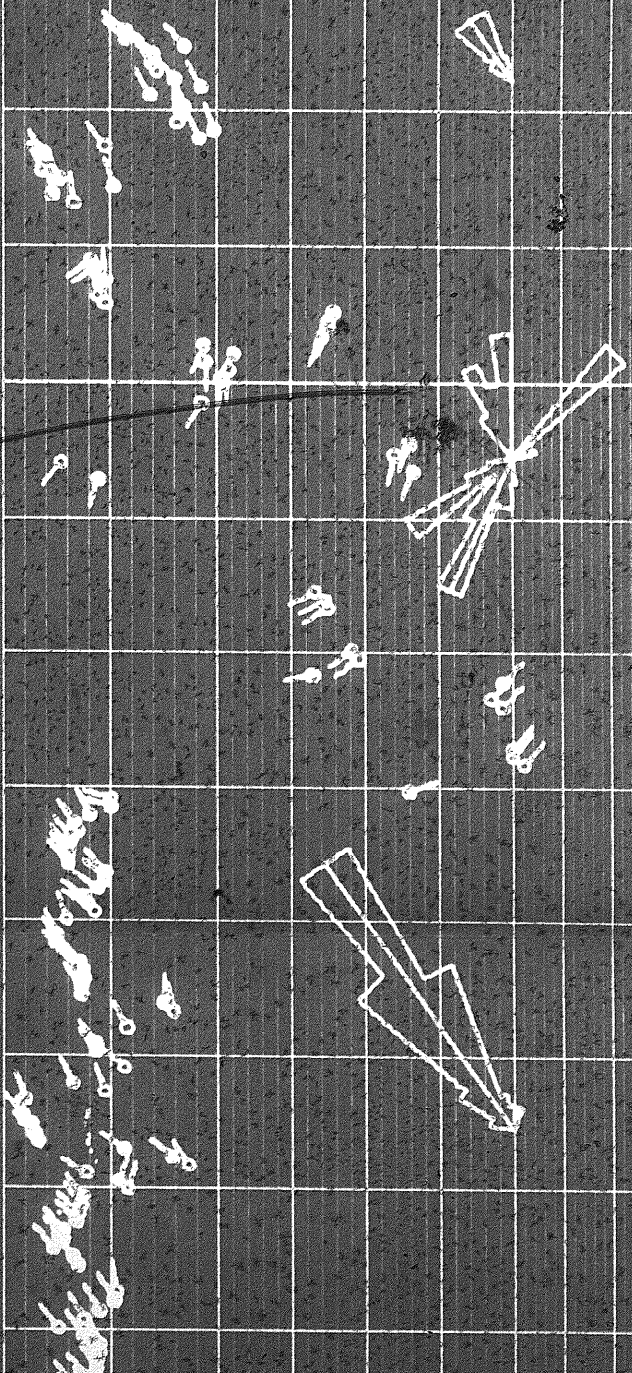
9-19

UNIVERSITY OF ALABAMA

UNIVERSITY OF ALABAMA



1350



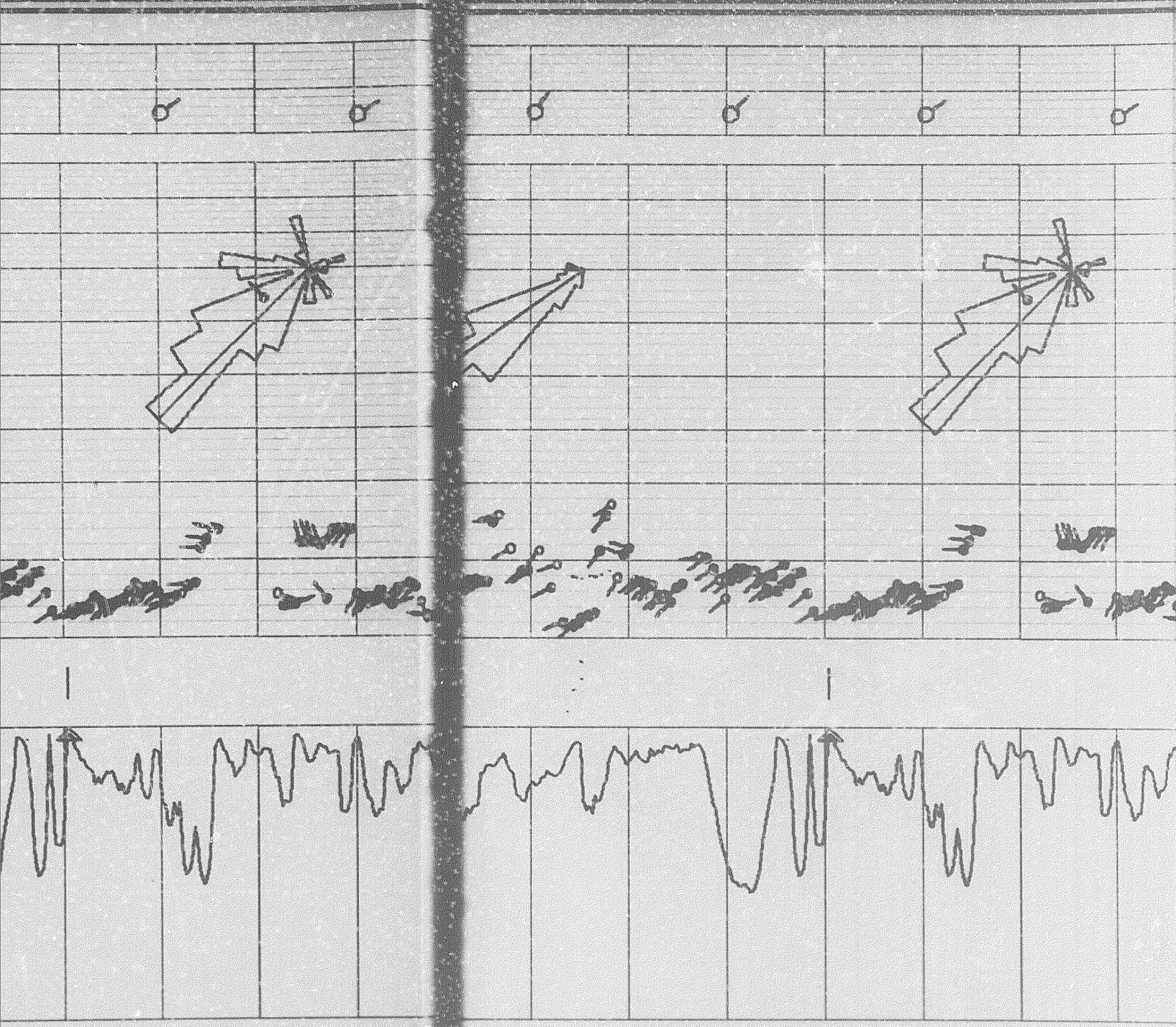
Q

Q

Q

Q

Q

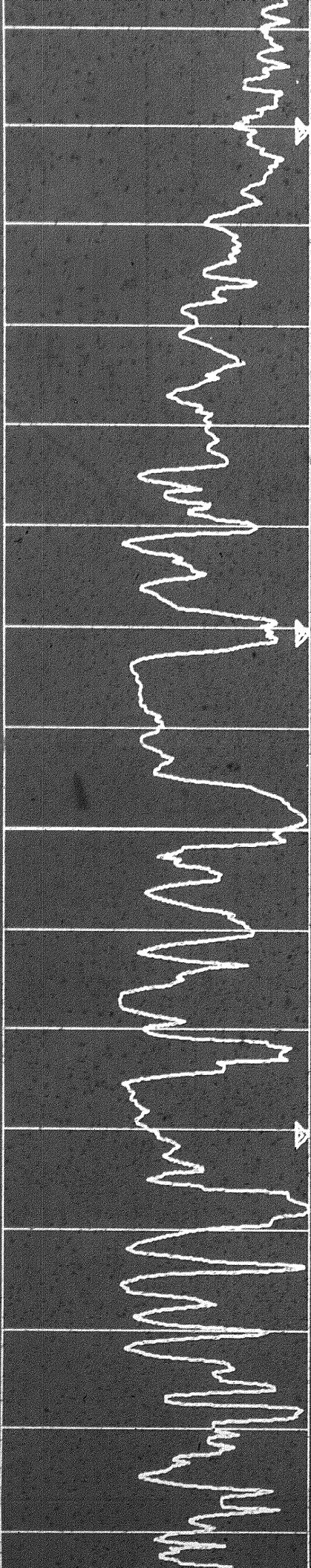


METER 925 IN GRID

METER 225 IN GRID

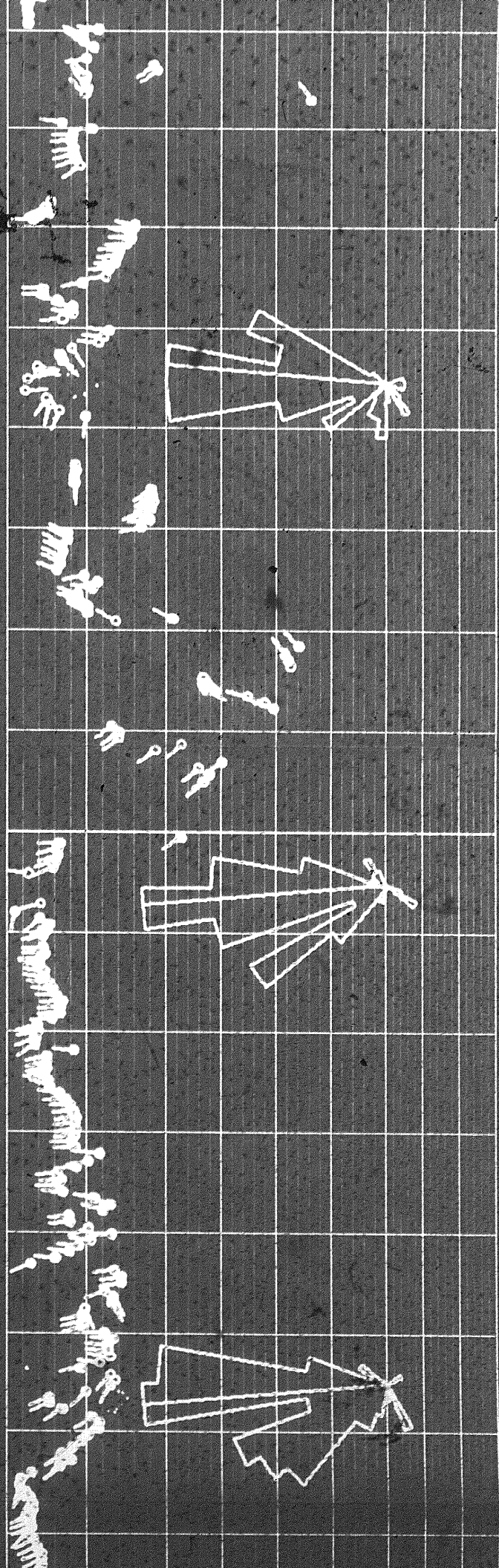
METER 225 IN GRID

302



1400

1450



Q

Q

Q

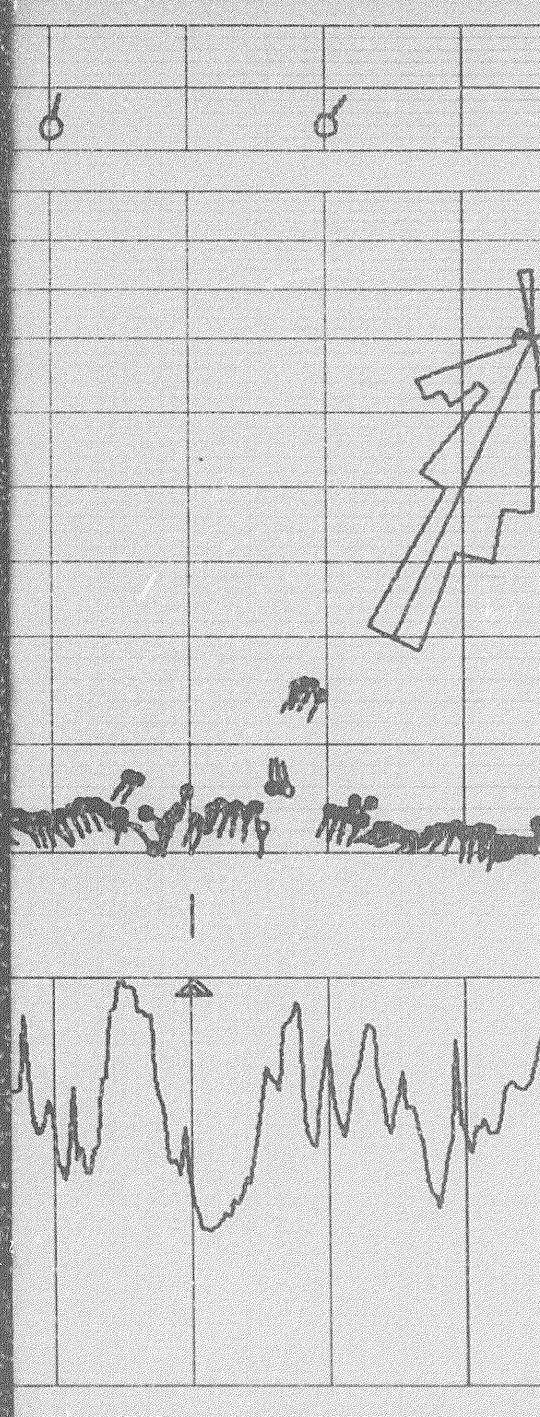
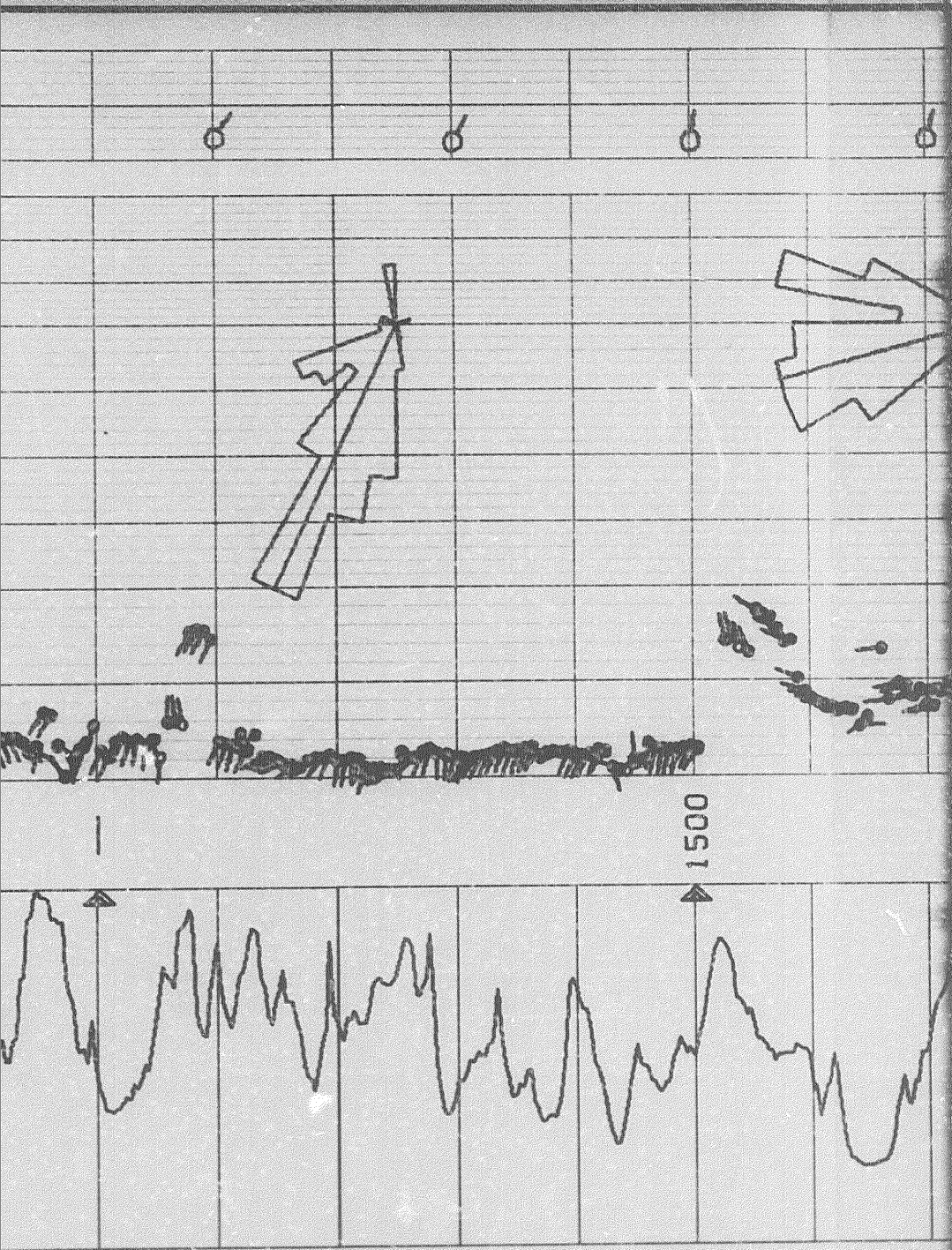
Q

Q

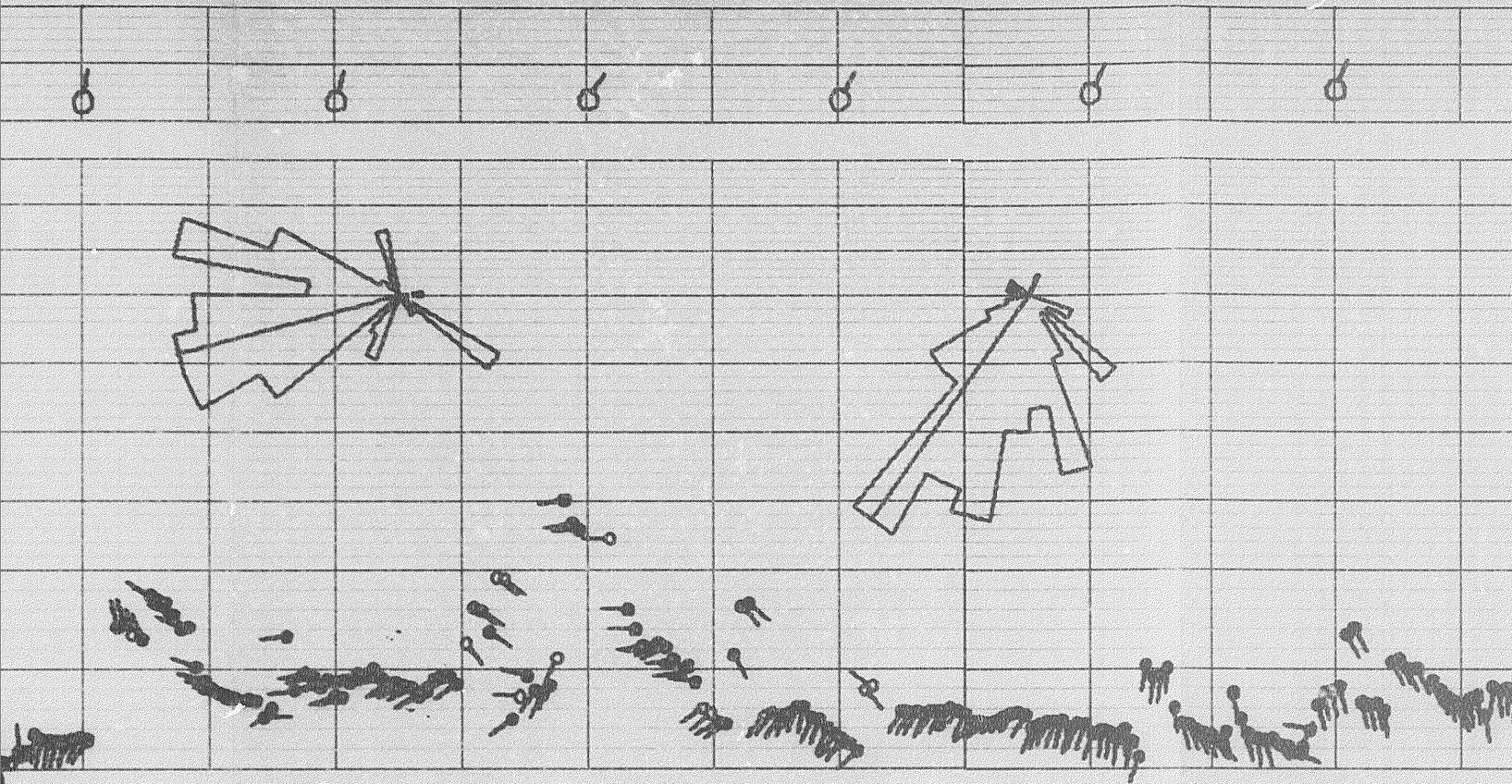
Q

Q

Q

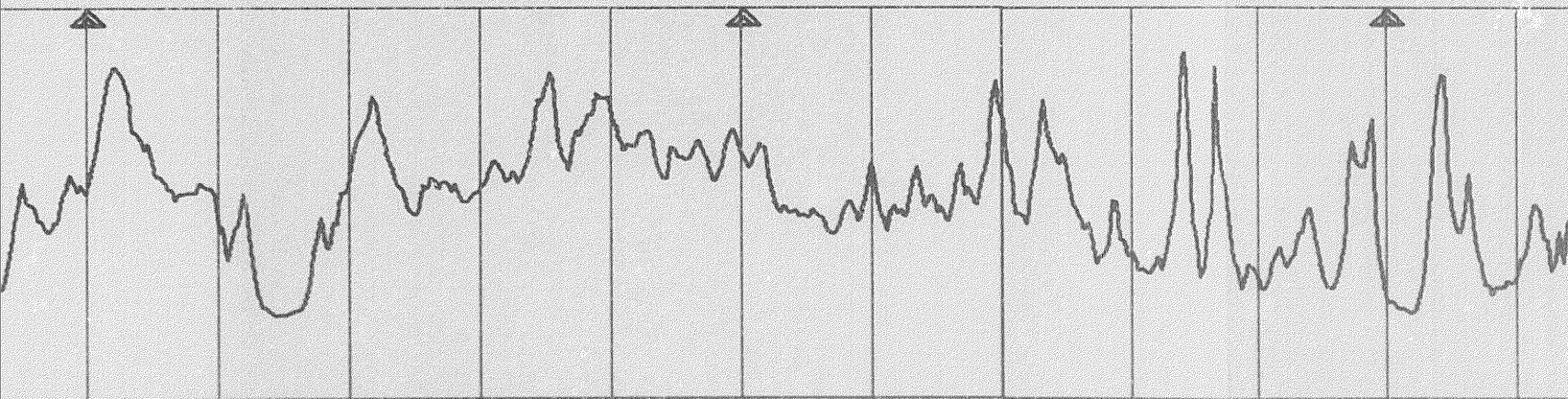


METER 025

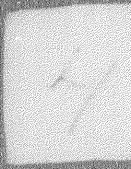


1500

1550



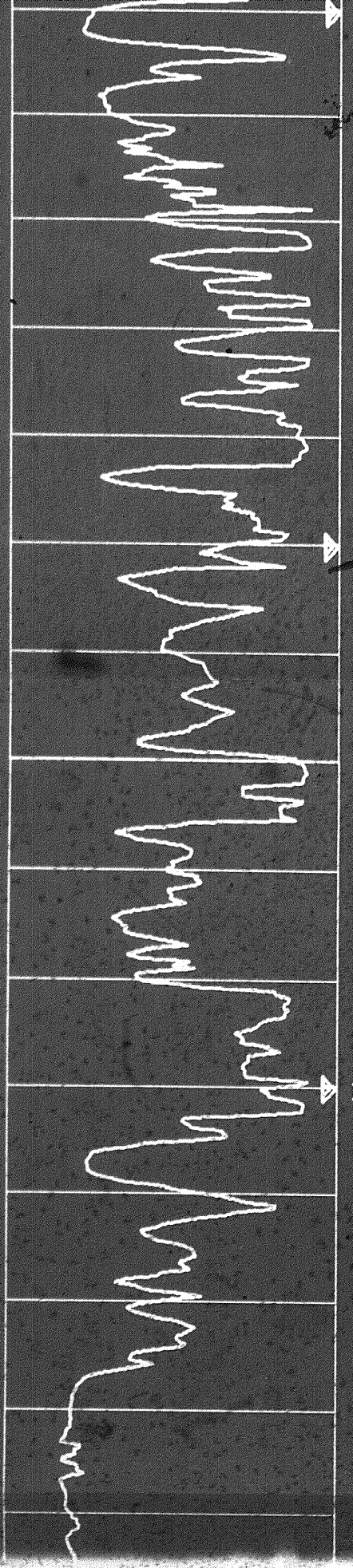
METER 825 IN GRID



4105

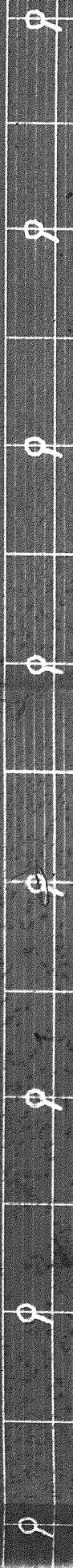
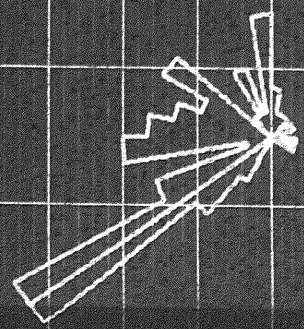
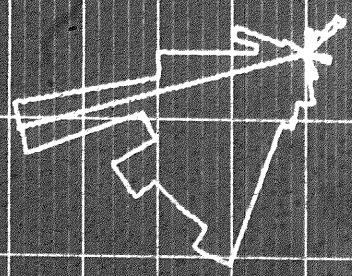
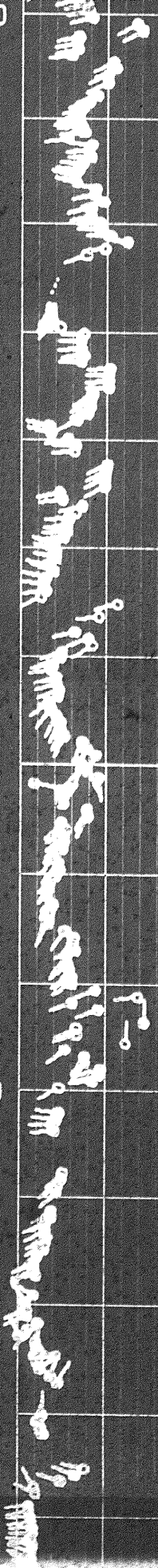
METER 25 IN GRID

METER 25 IN GRID

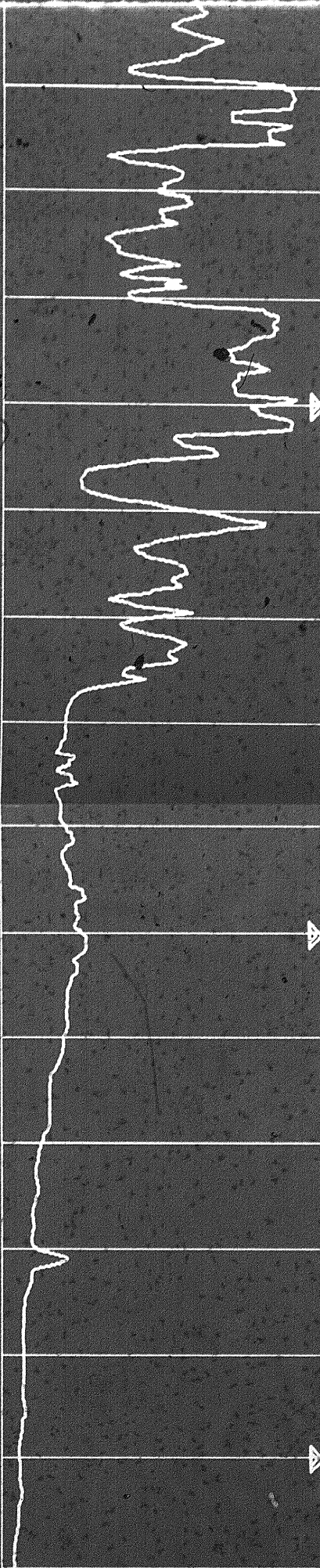


1550

1600

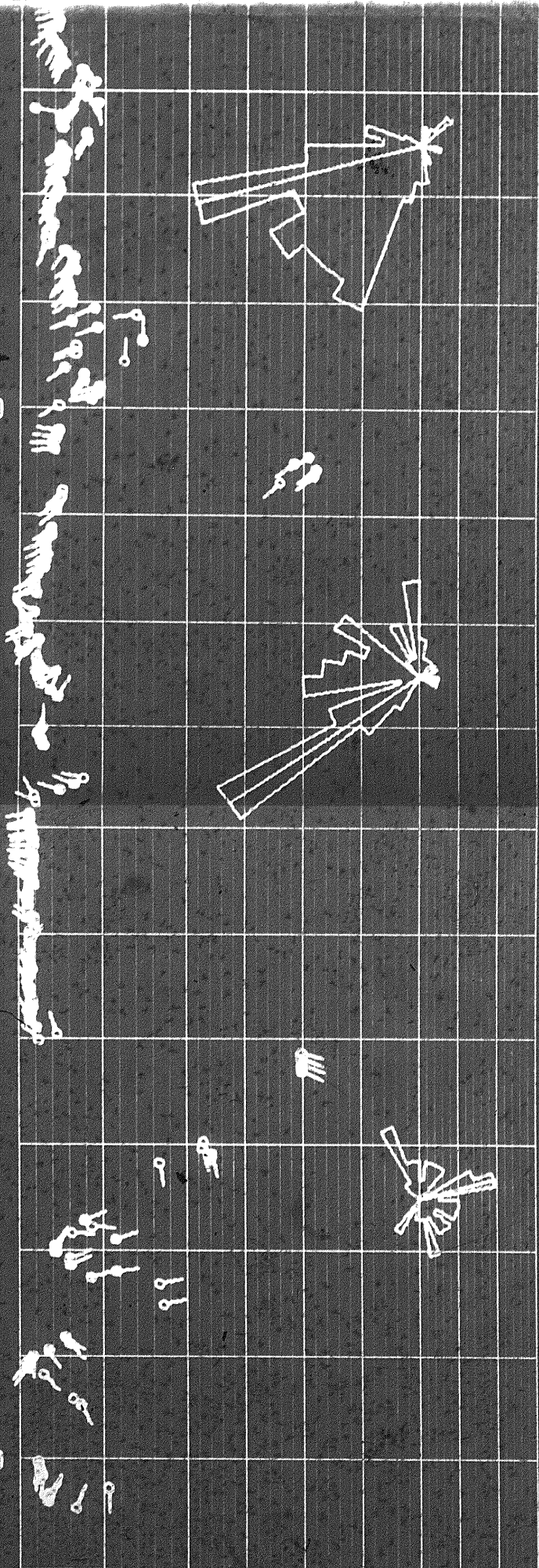


METER 25 IN GRID



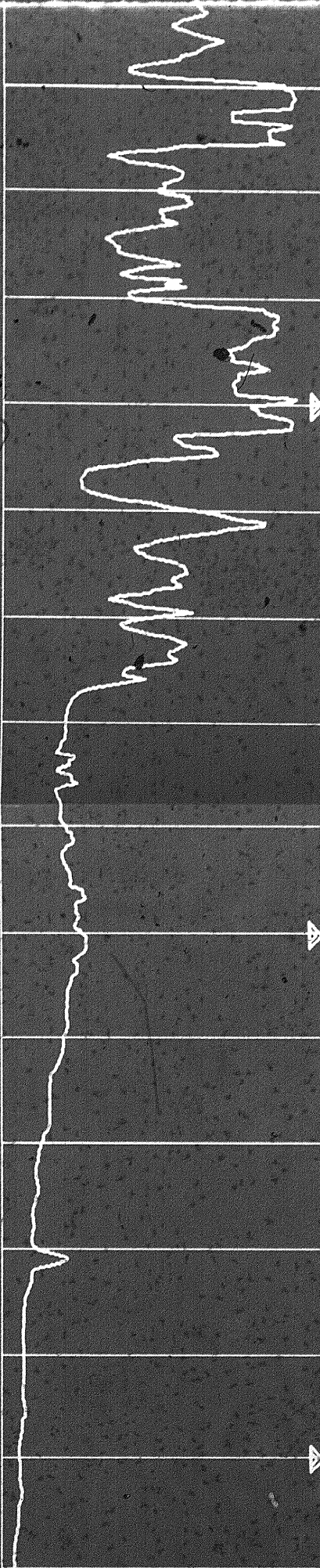
1600

1650



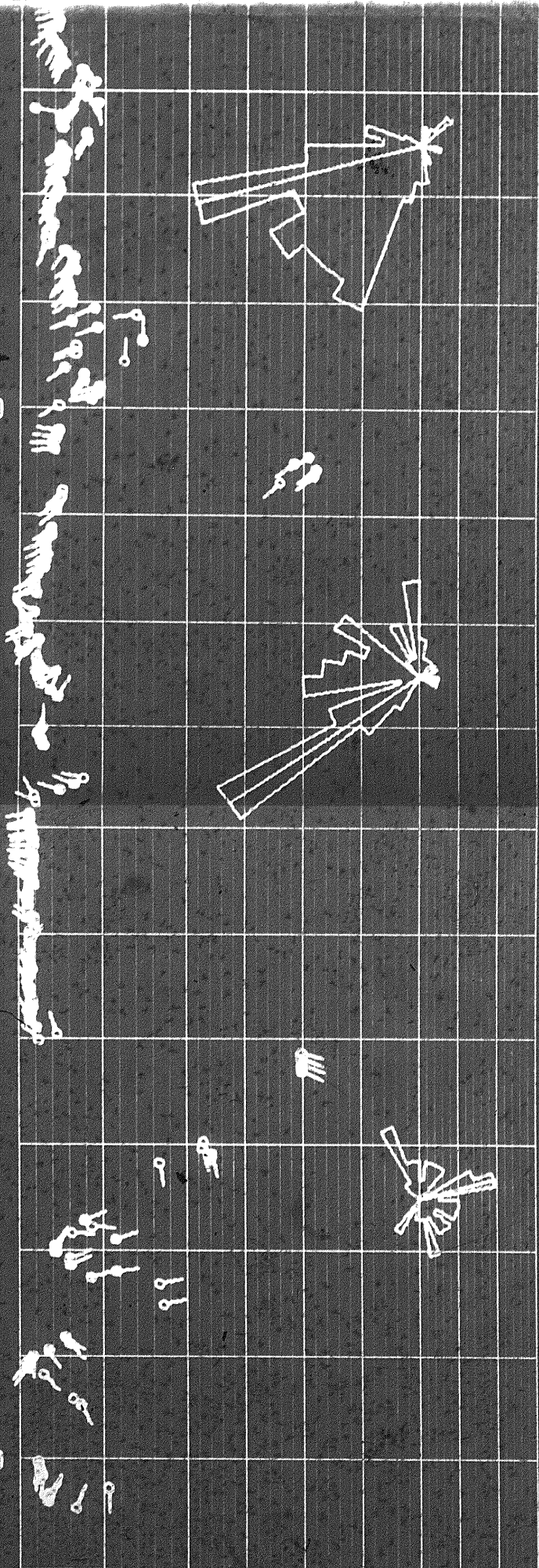
9 9 9 9 9 9 9 9 9

METER 25 IN GRID



1600

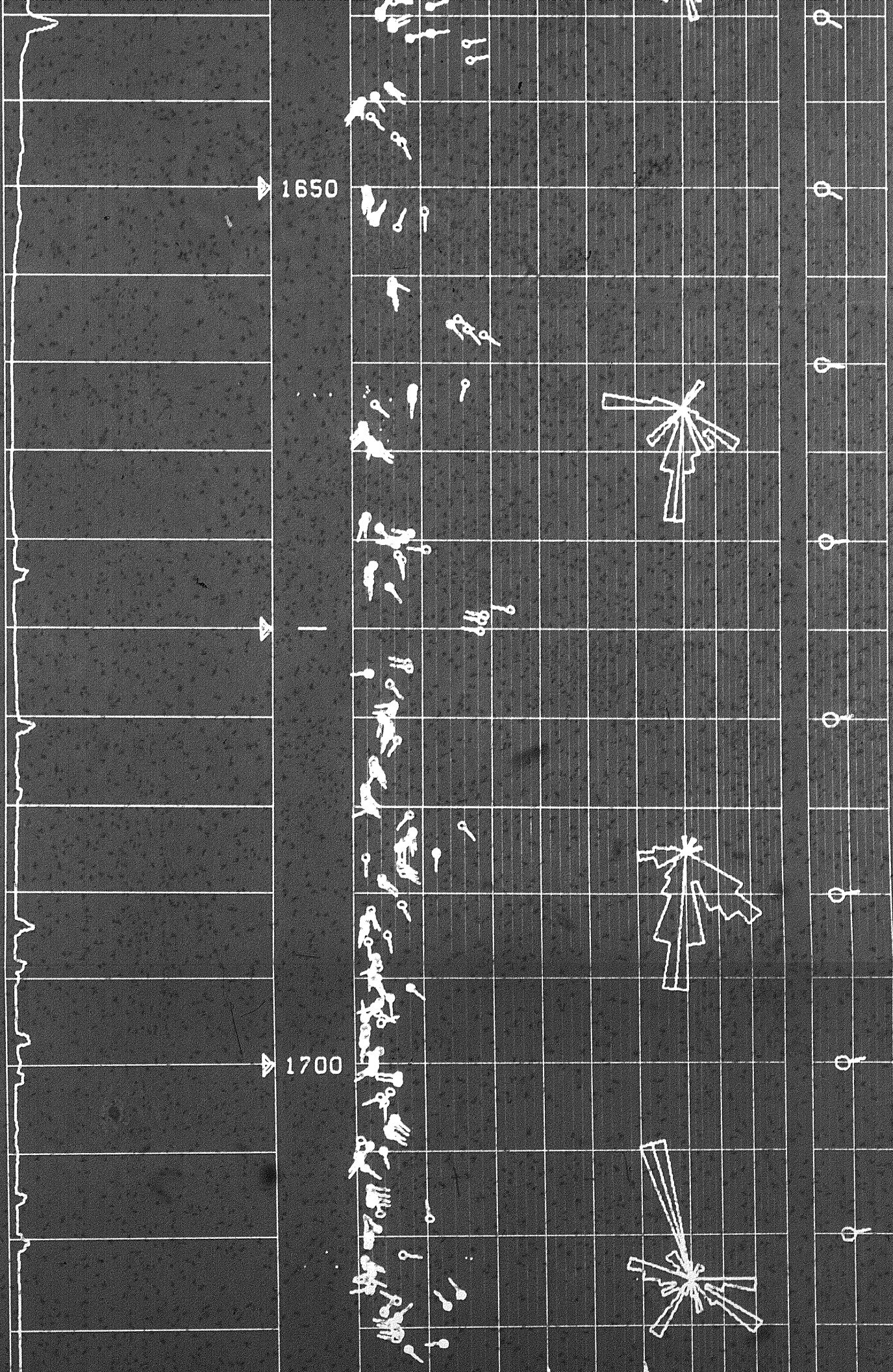
1650

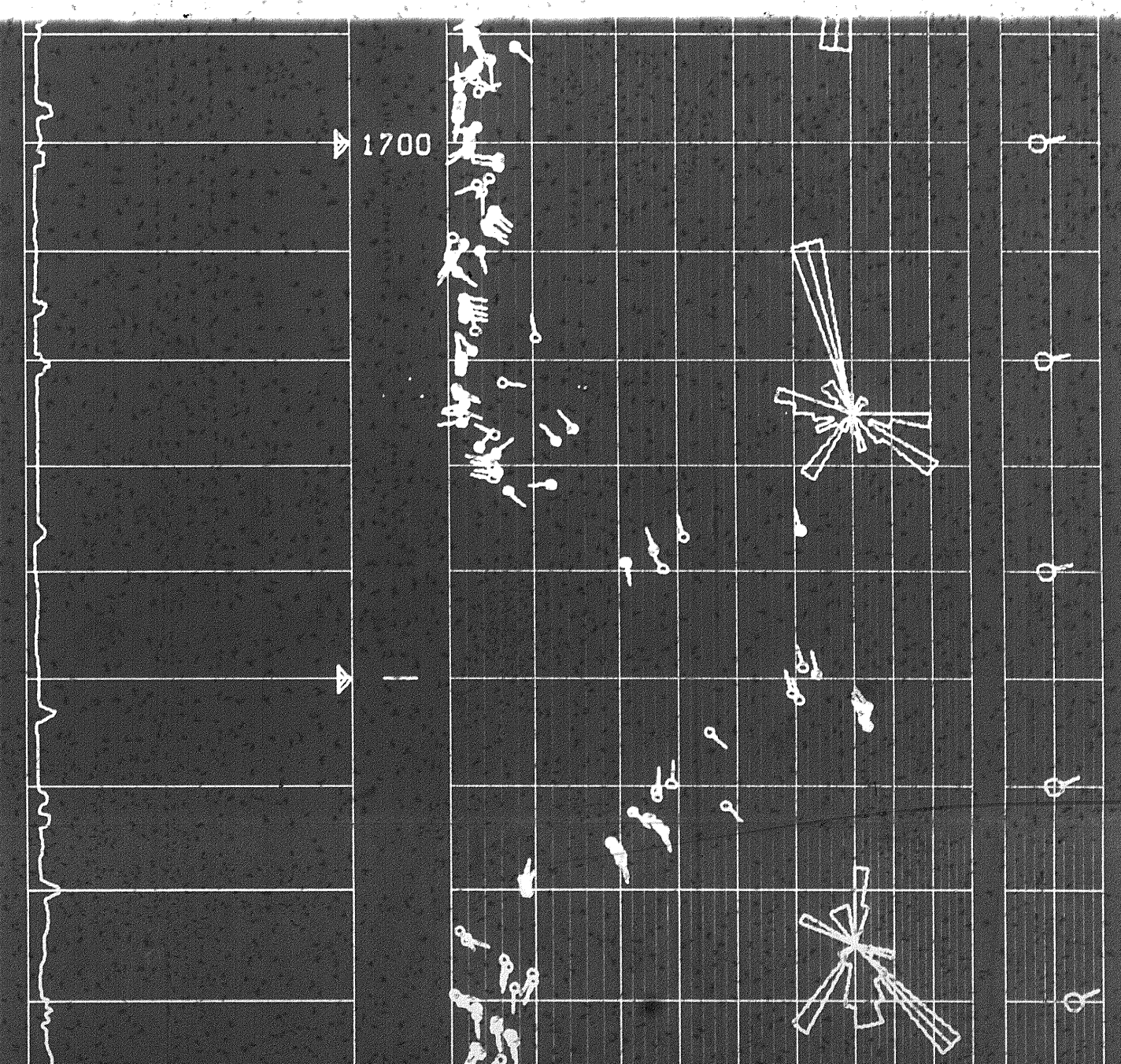
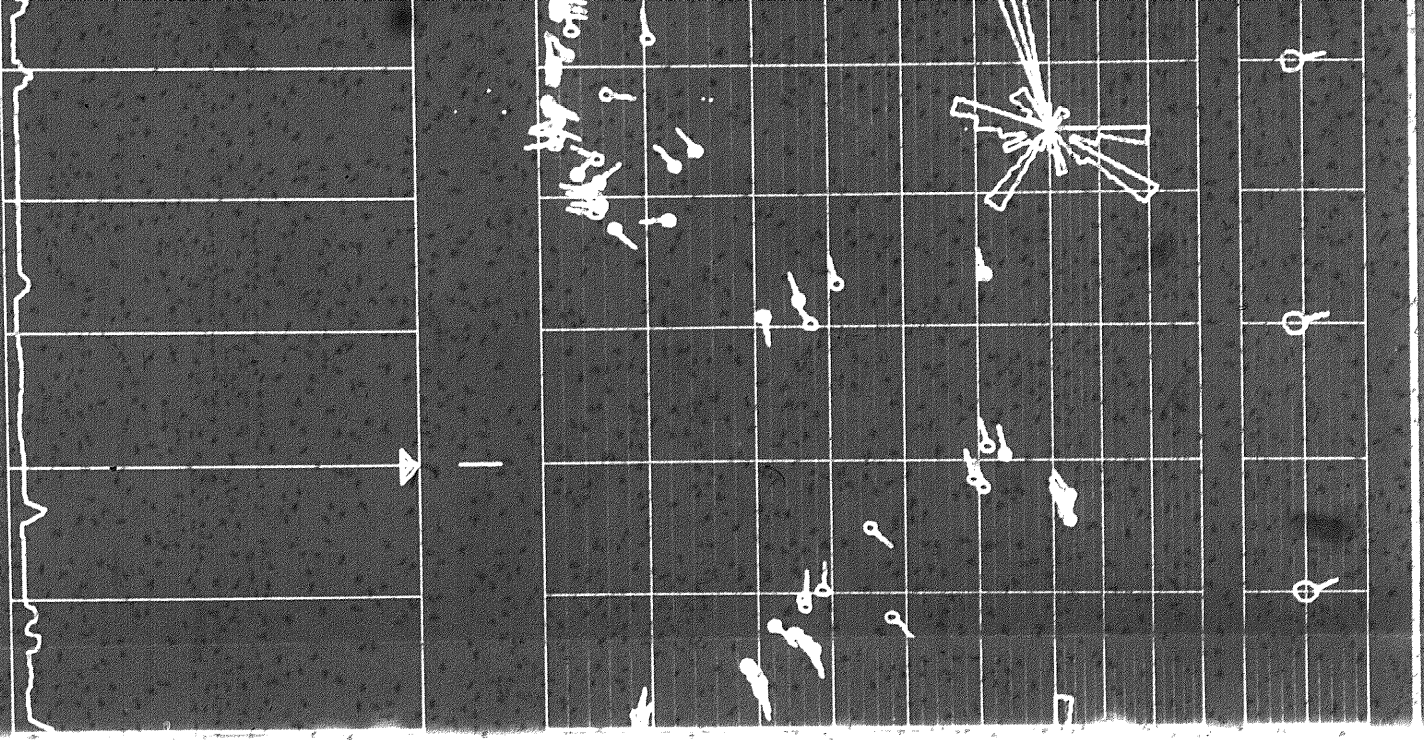


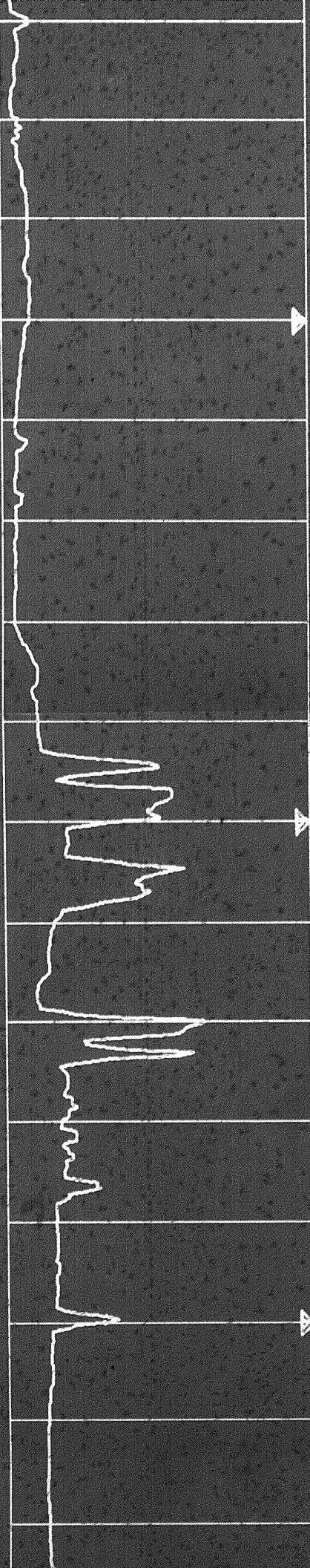
9 9 9 9 9 9 9 9 9 9

METER 825 IN GRID

METER 805 IN GRID

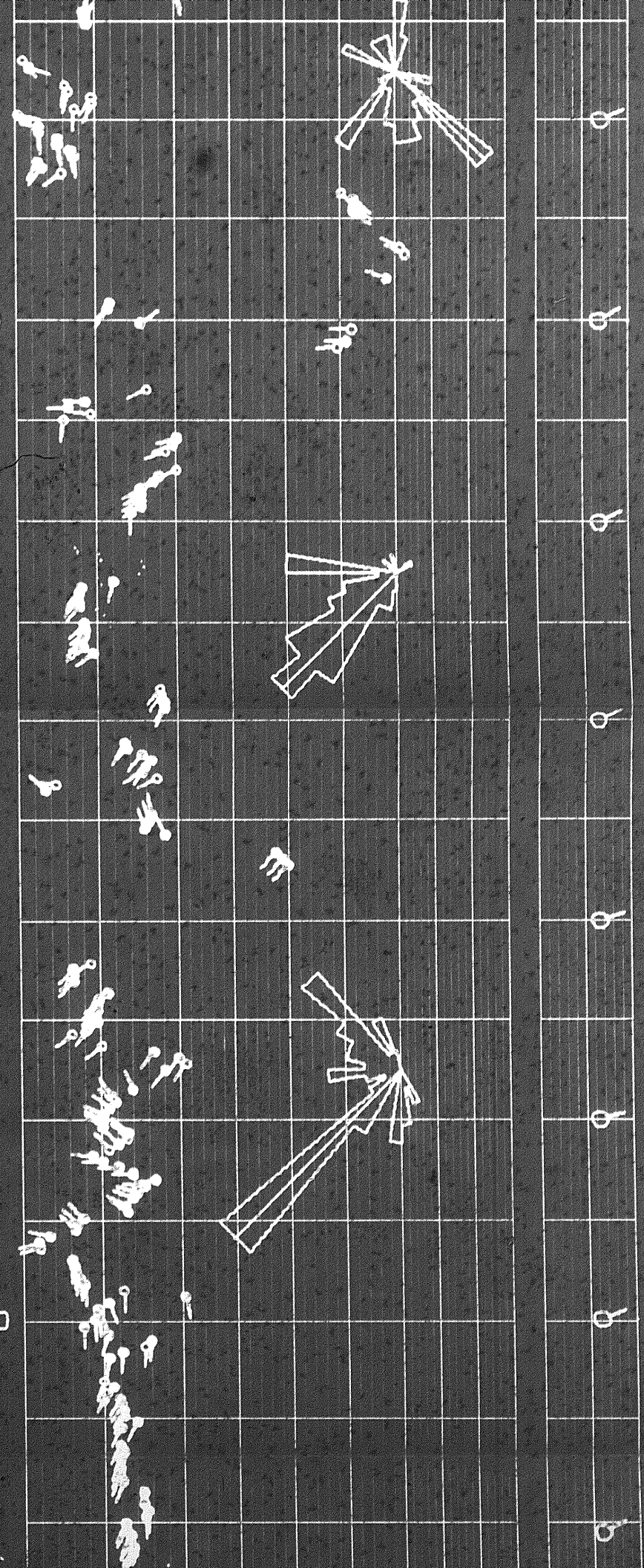






1750

1800



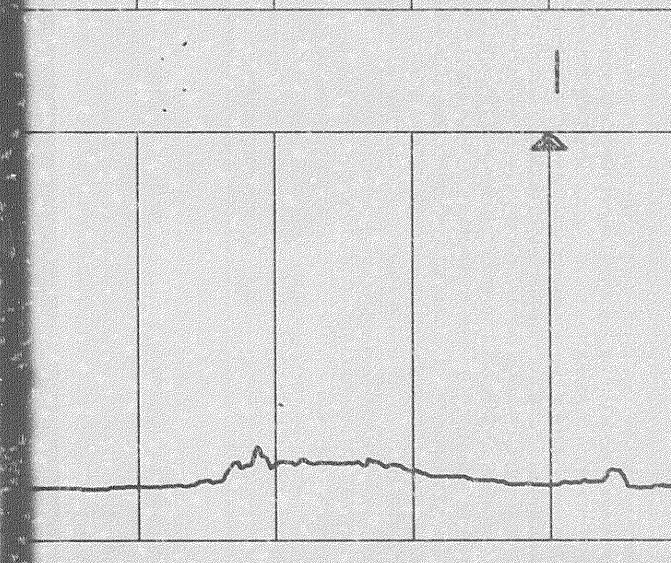
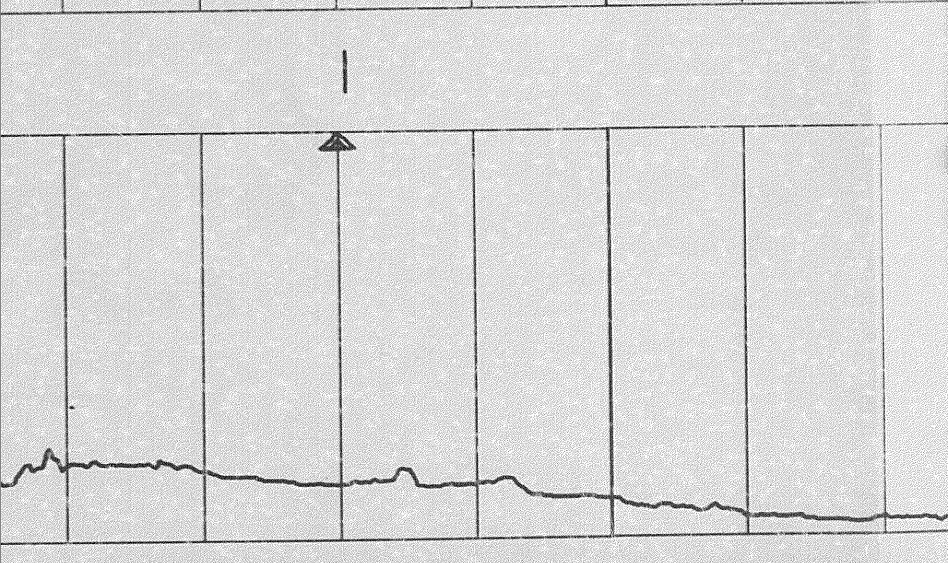
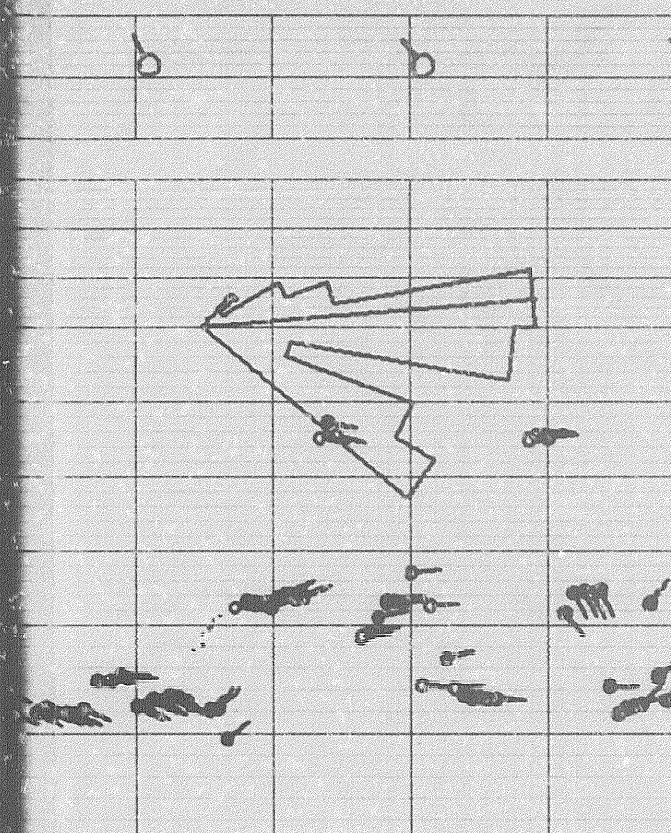
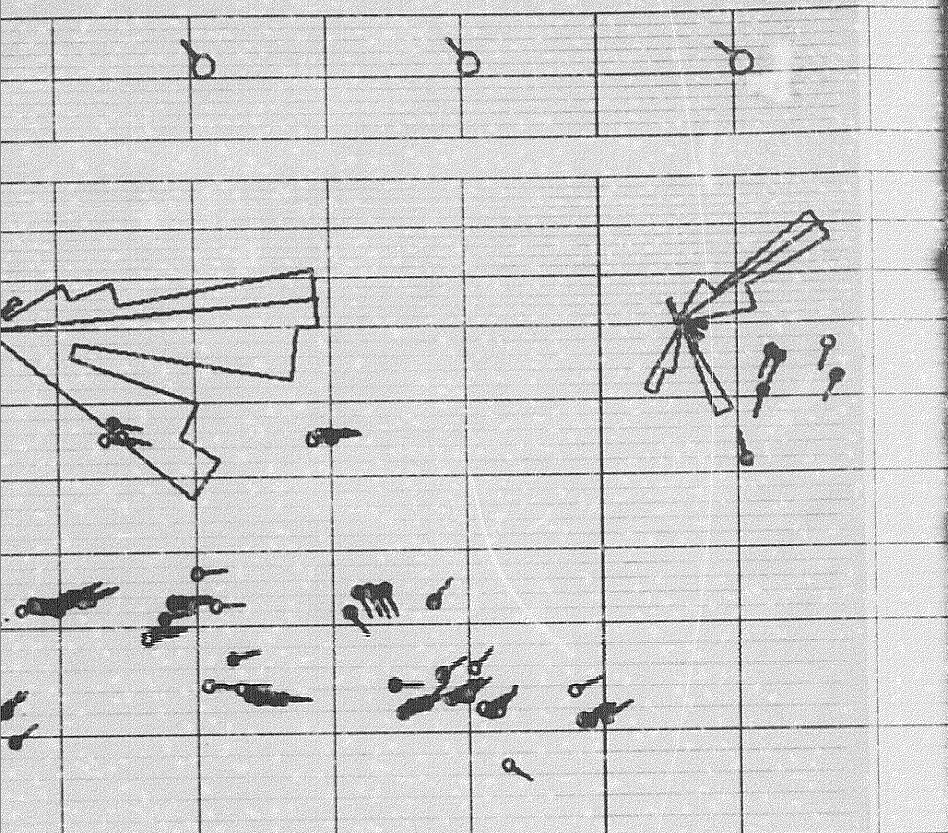
CONFIDENTIAL

CONFIDENTIAL

METER ARROW PLOT

30 62K

DIP METER ARROW PLOT



LEWISDALE

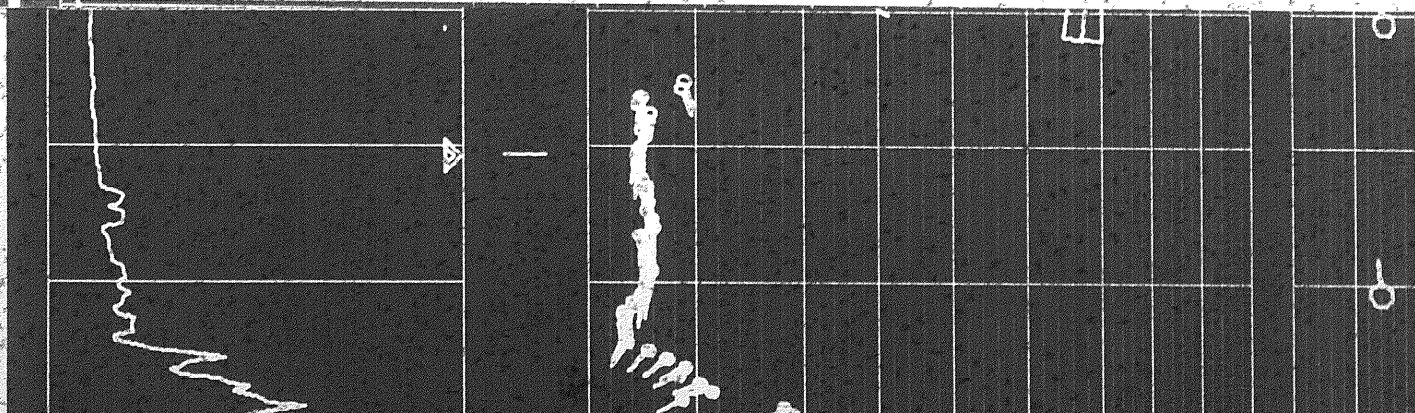
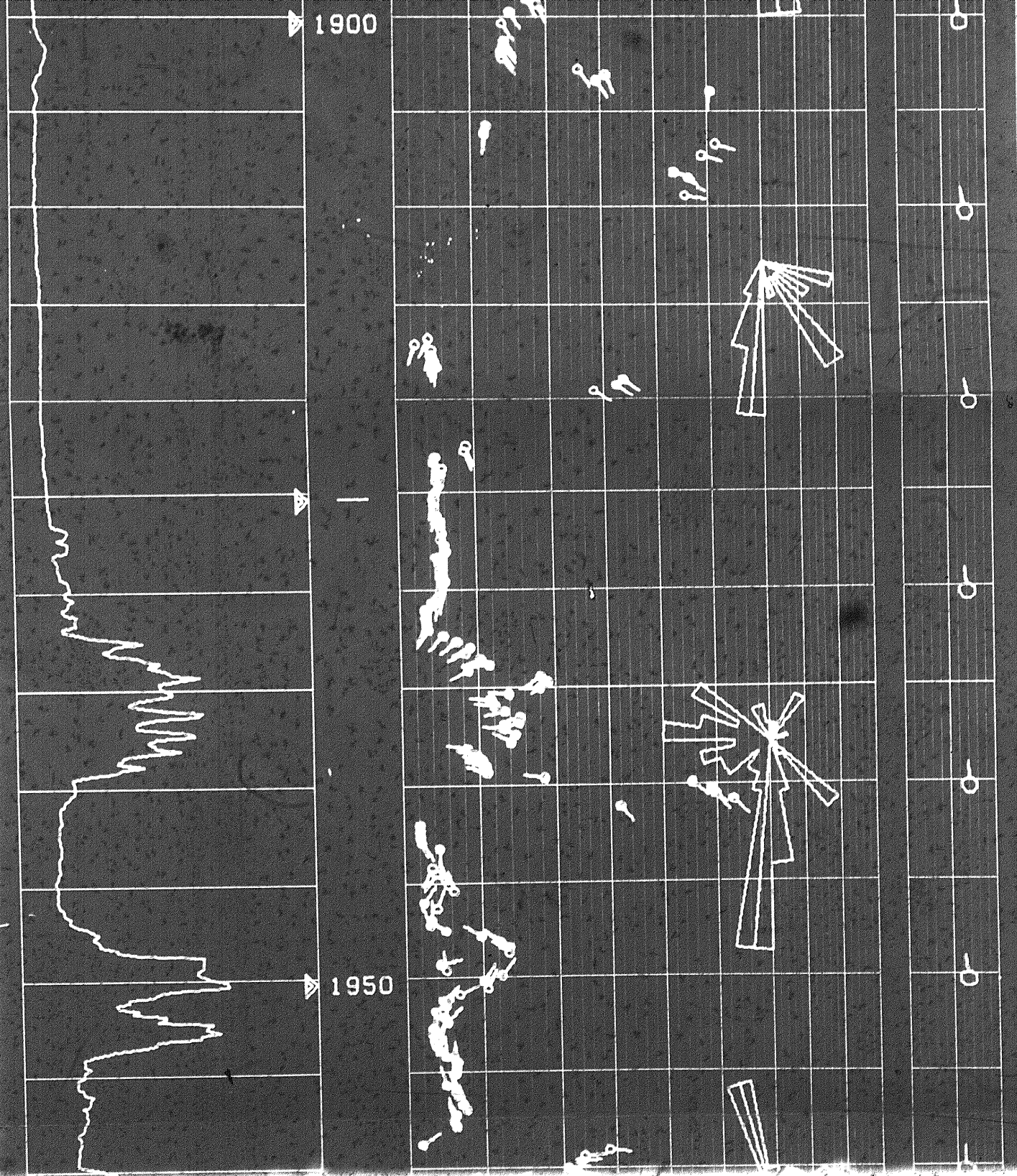
DIPMETER ARROW PLOT

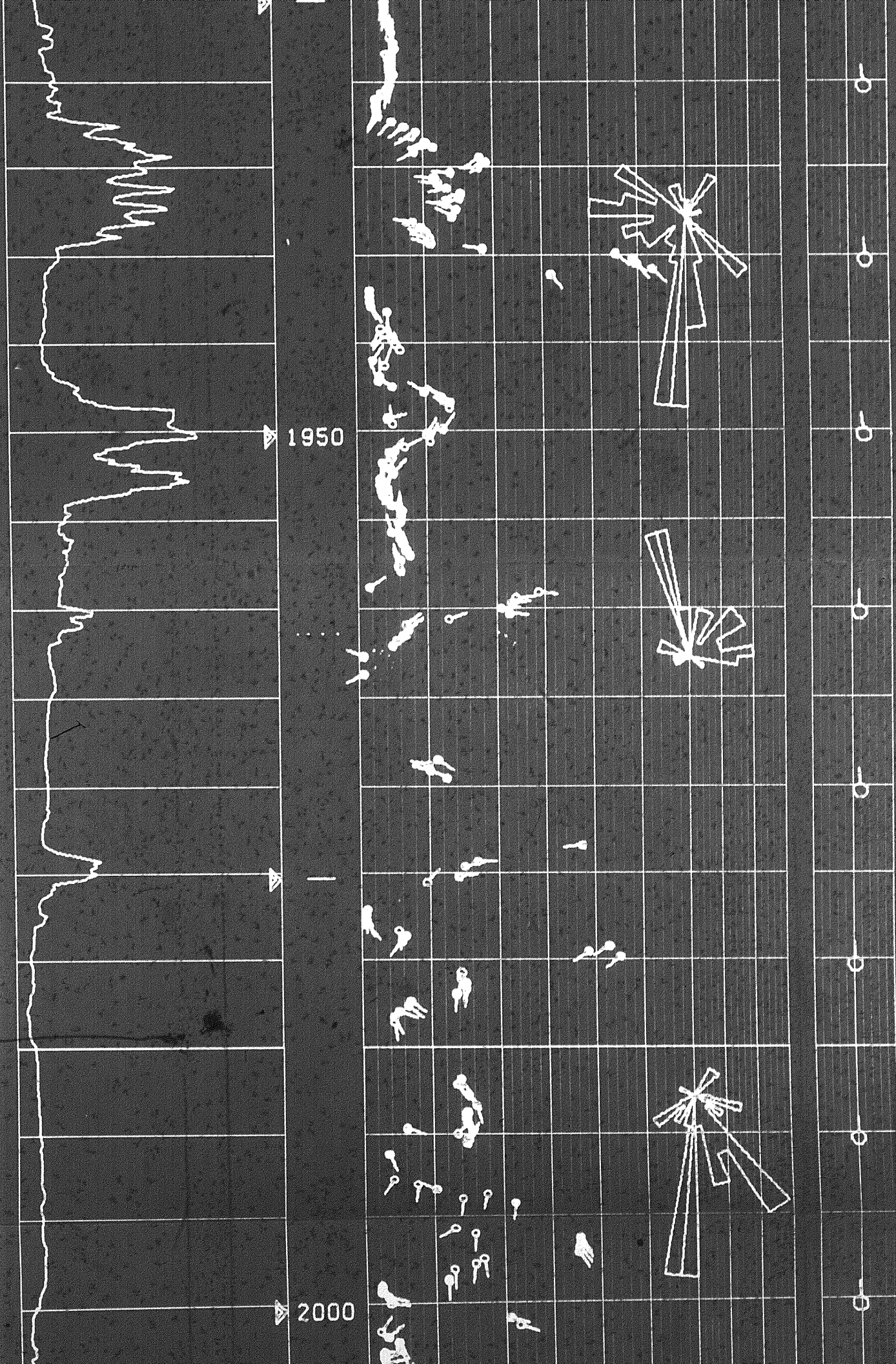
SCHLUMBERGER

W PLOT

1900

1950



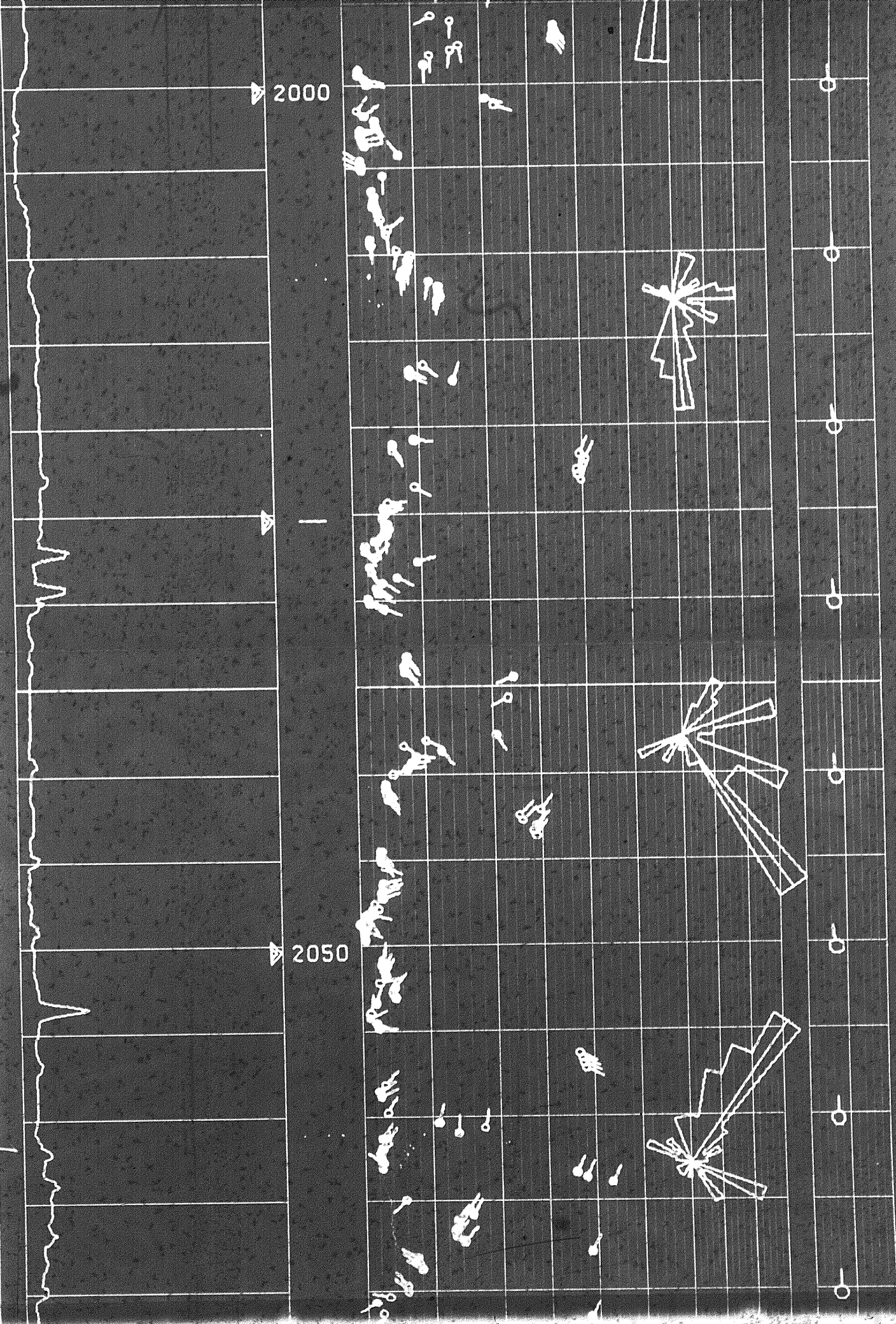


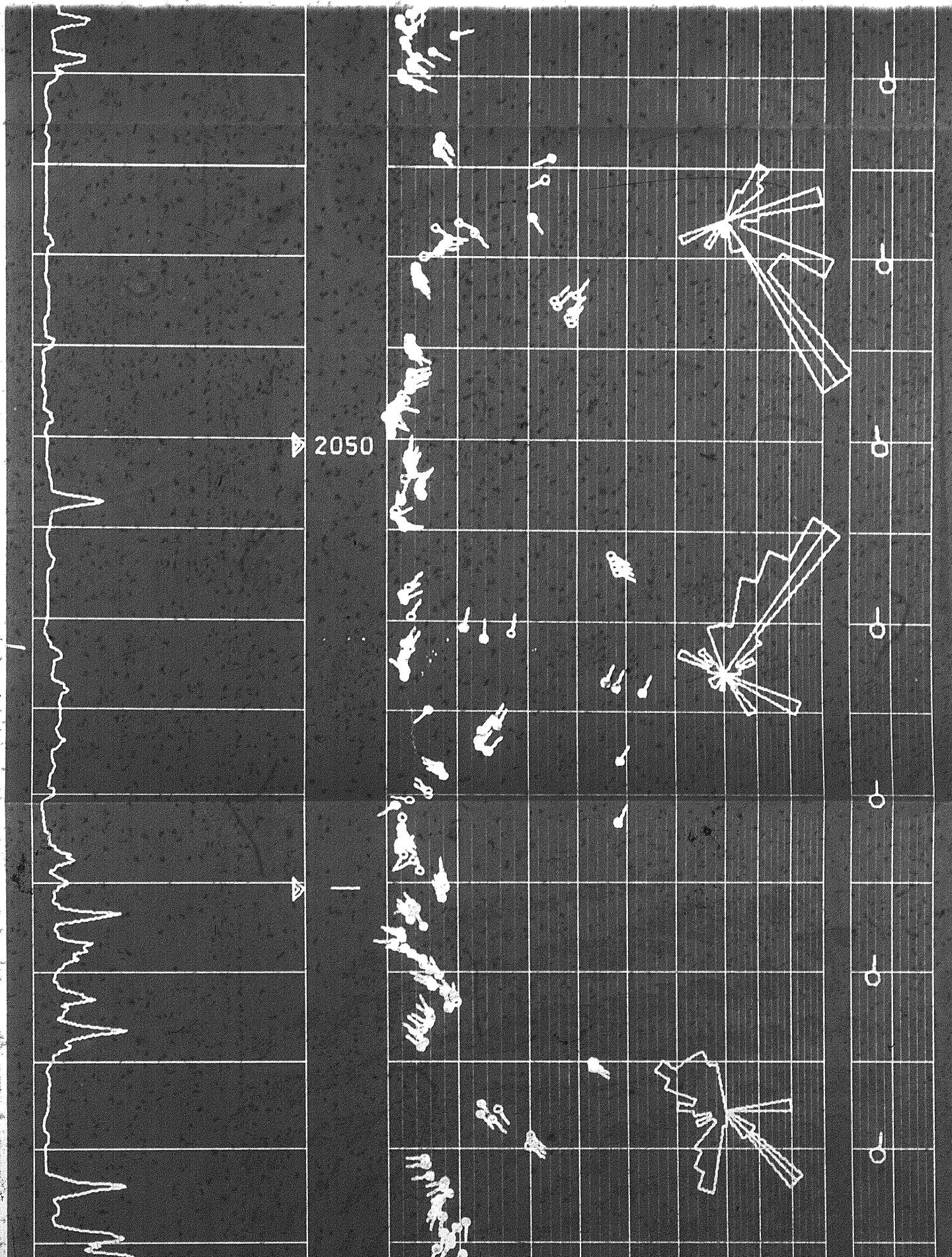
SCHLUMBERGER

DIPMETER ARROW PLOT

SCHLUMBERGER

DIPMETER ARROW PLOT





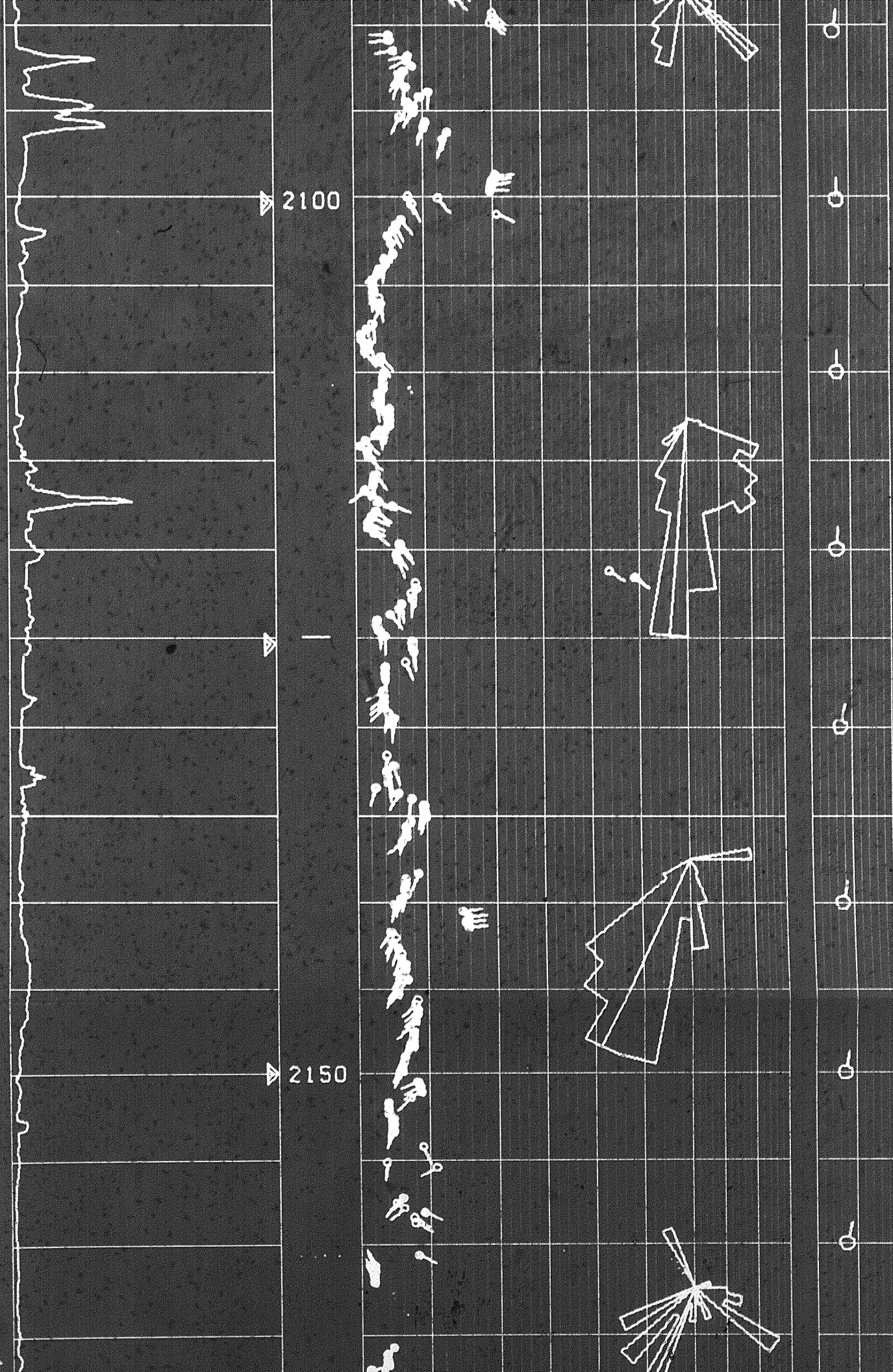
2050

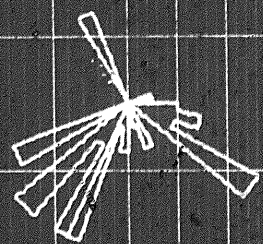
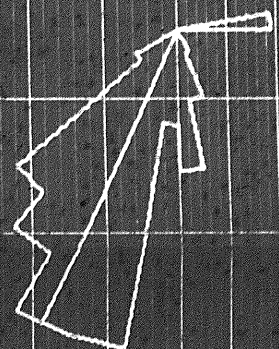
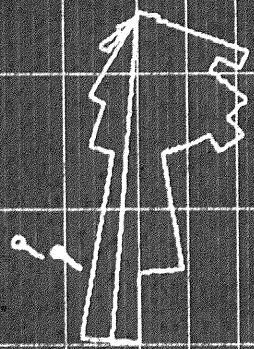
SCHLUMBERGER

DIPMETER ARROW PLOT

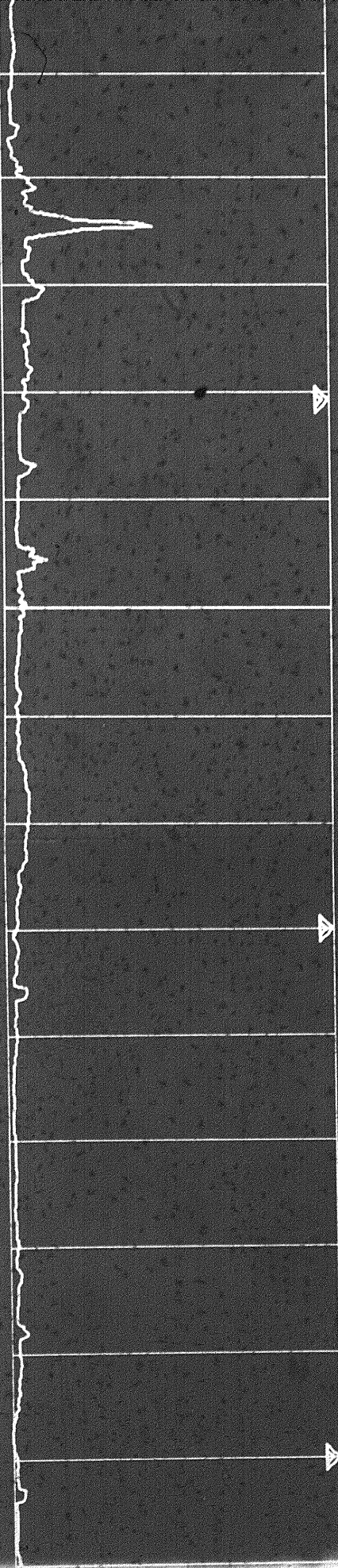
SCHLUMBERGER

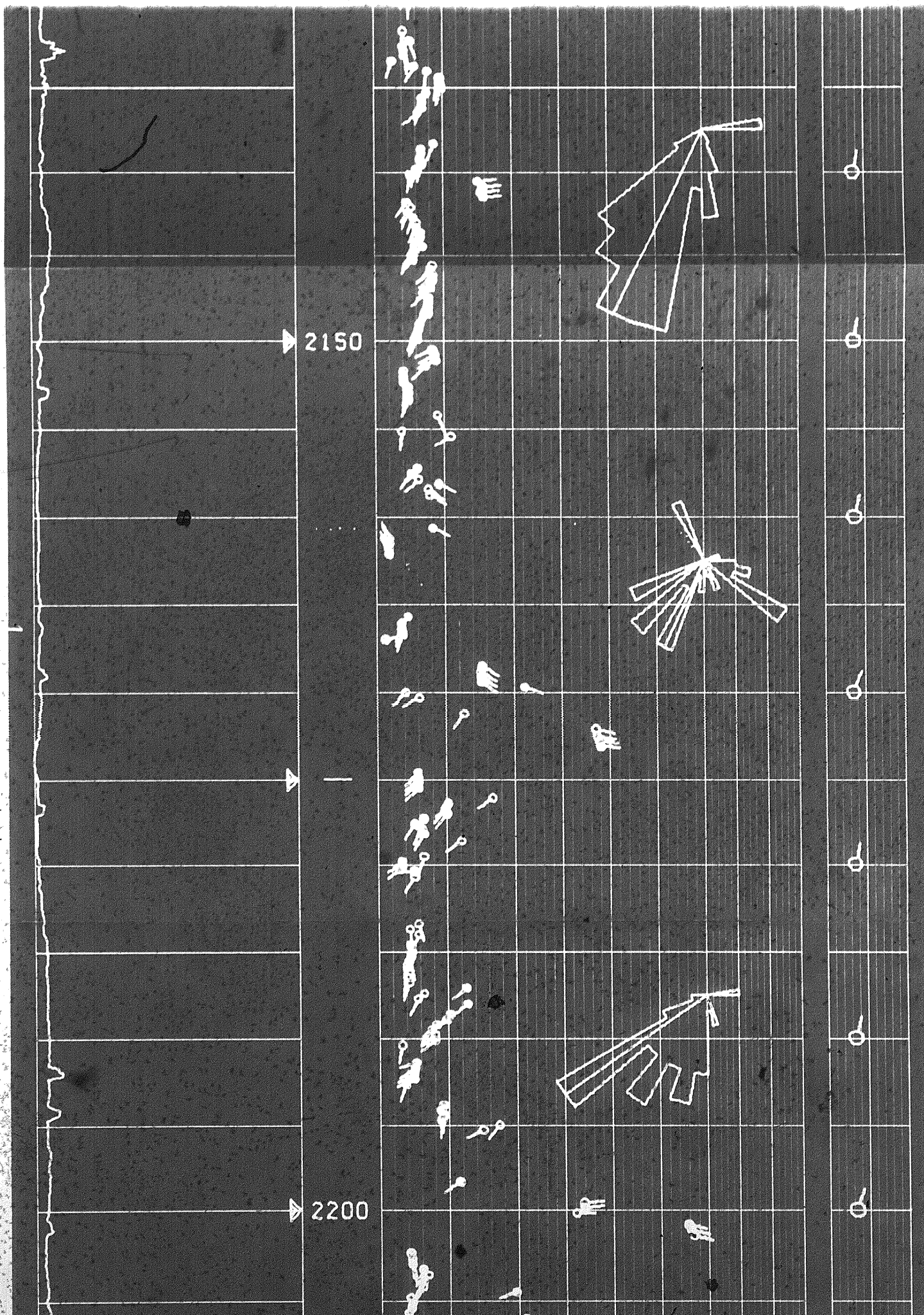
DIPMETER

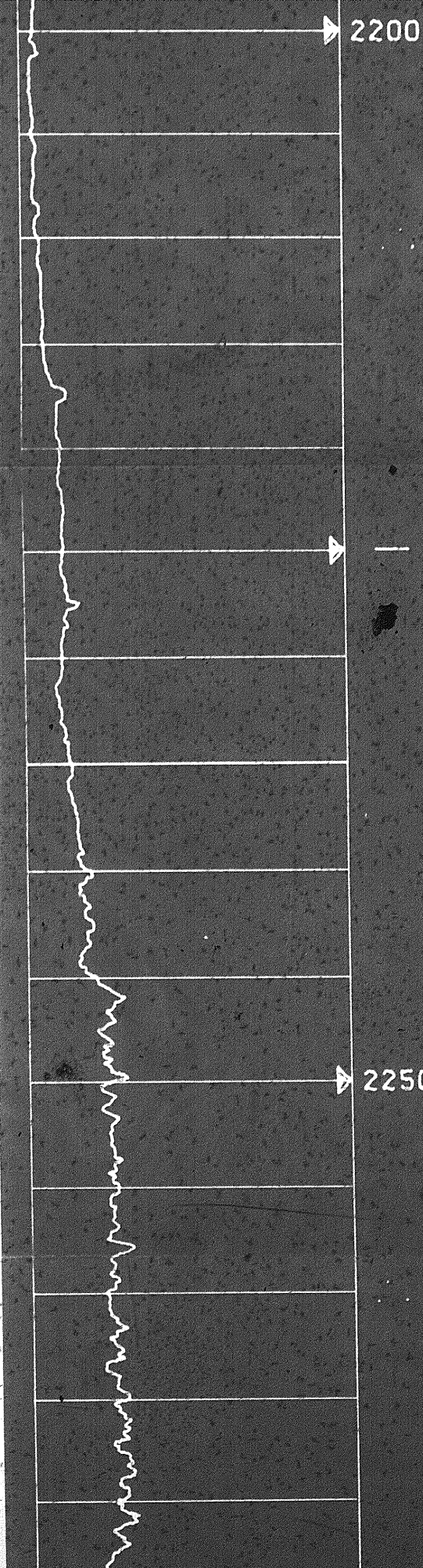
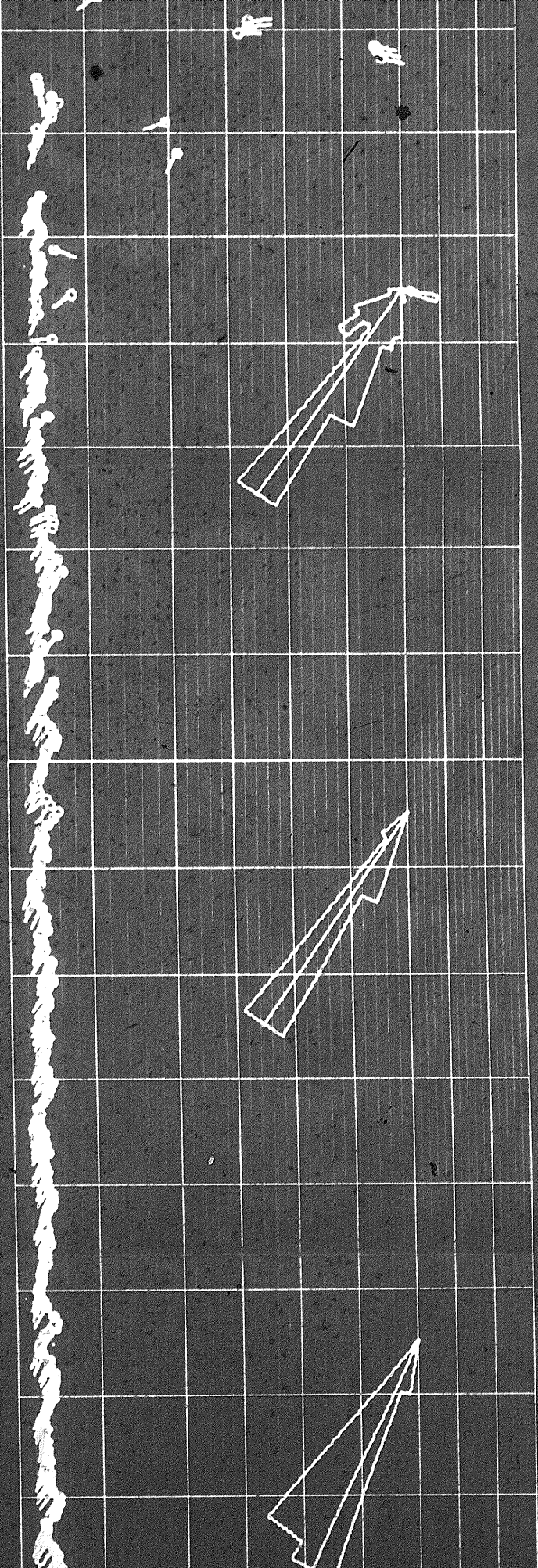
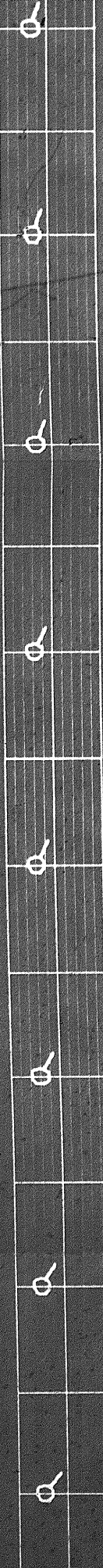


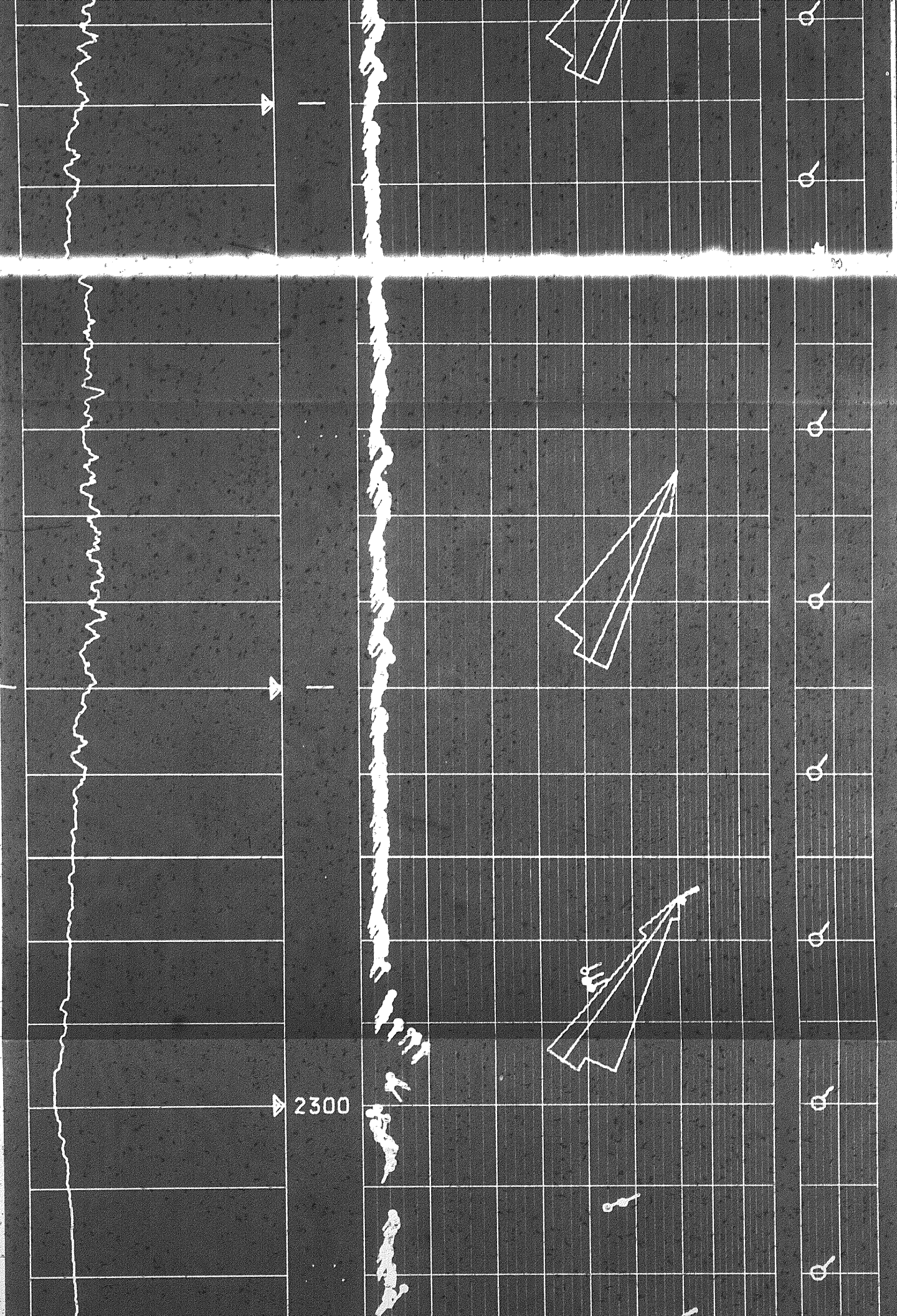


2150









0 0 0 0

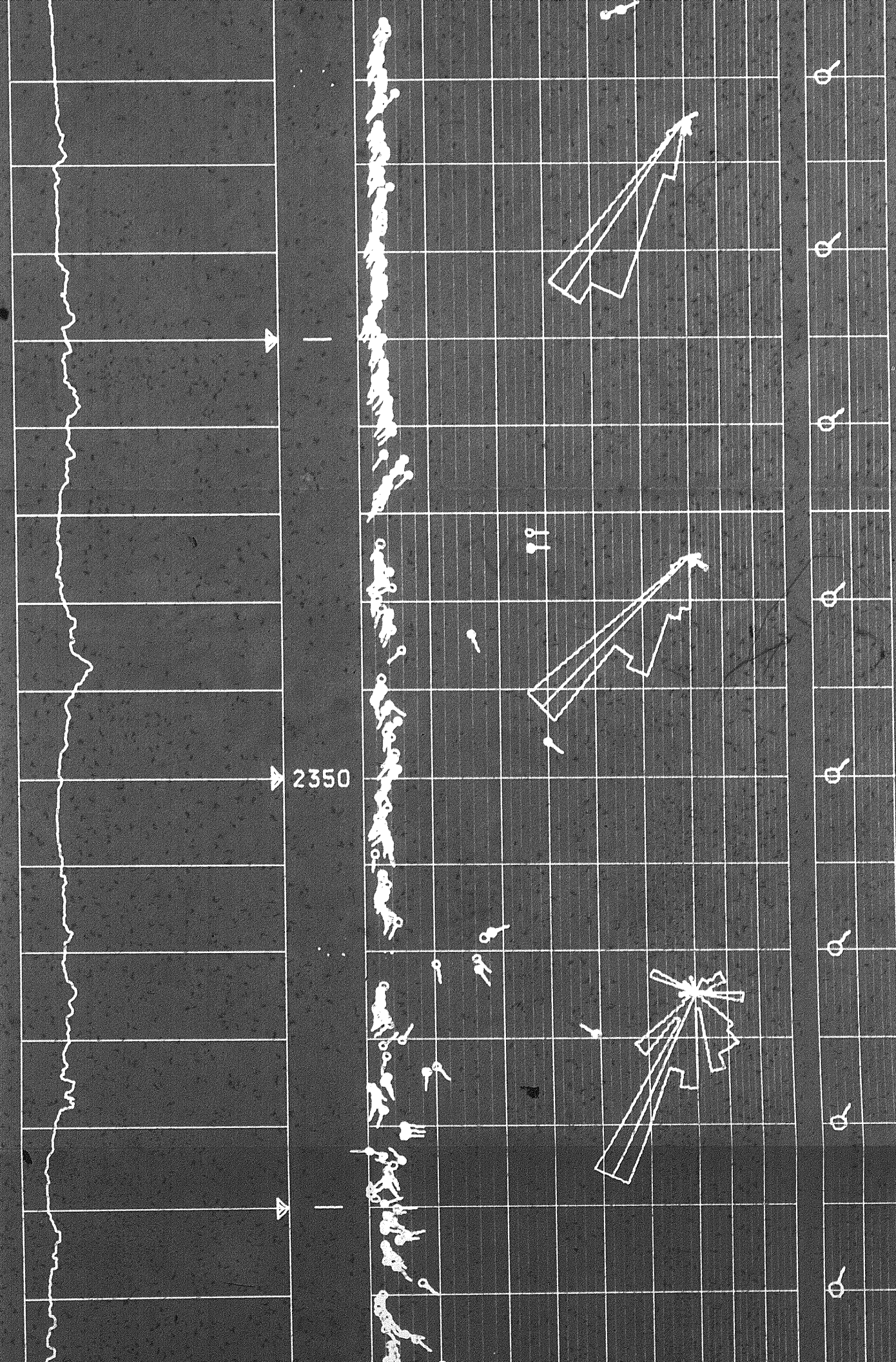
0 0 0 0

0 0 0 0

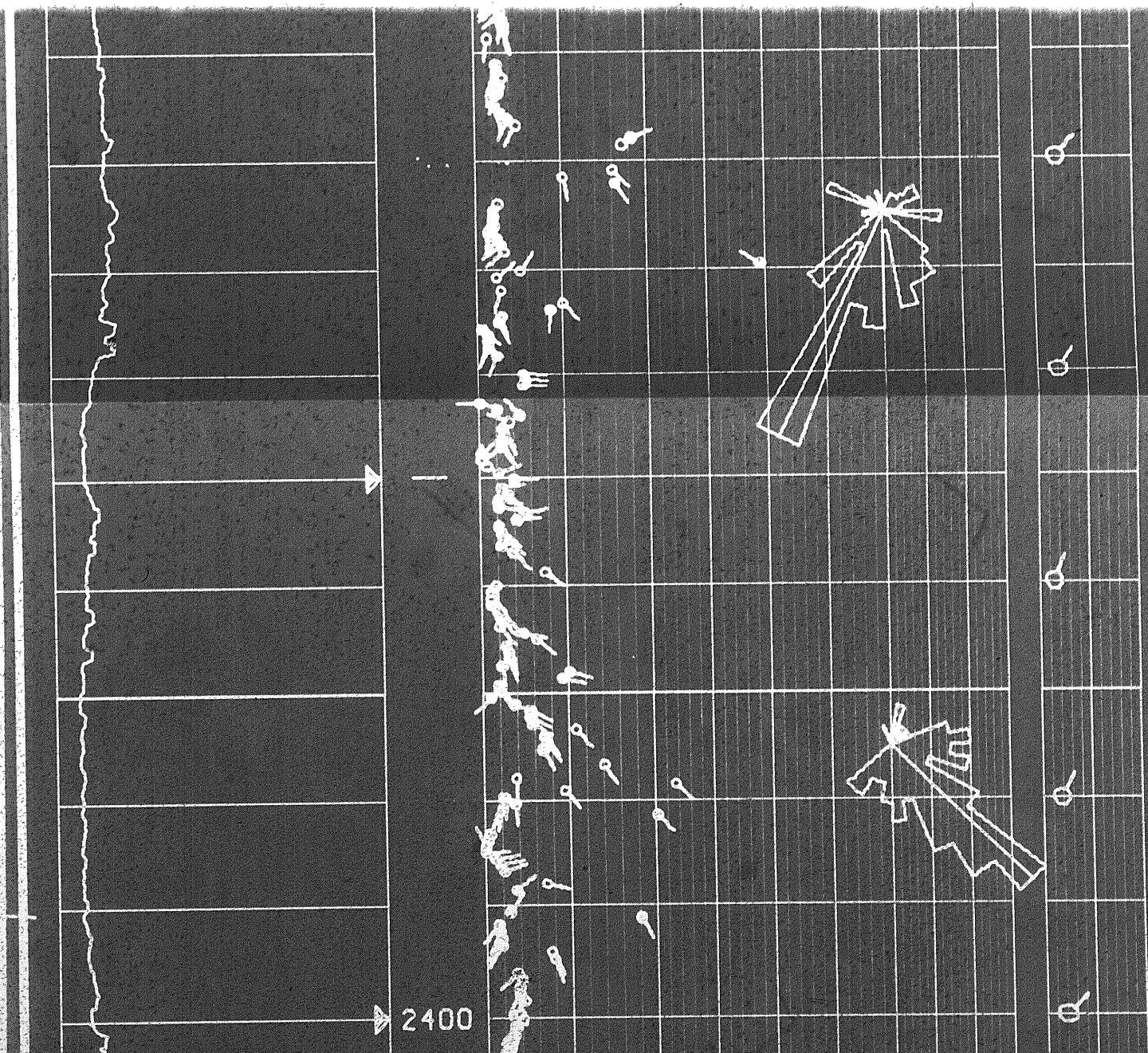
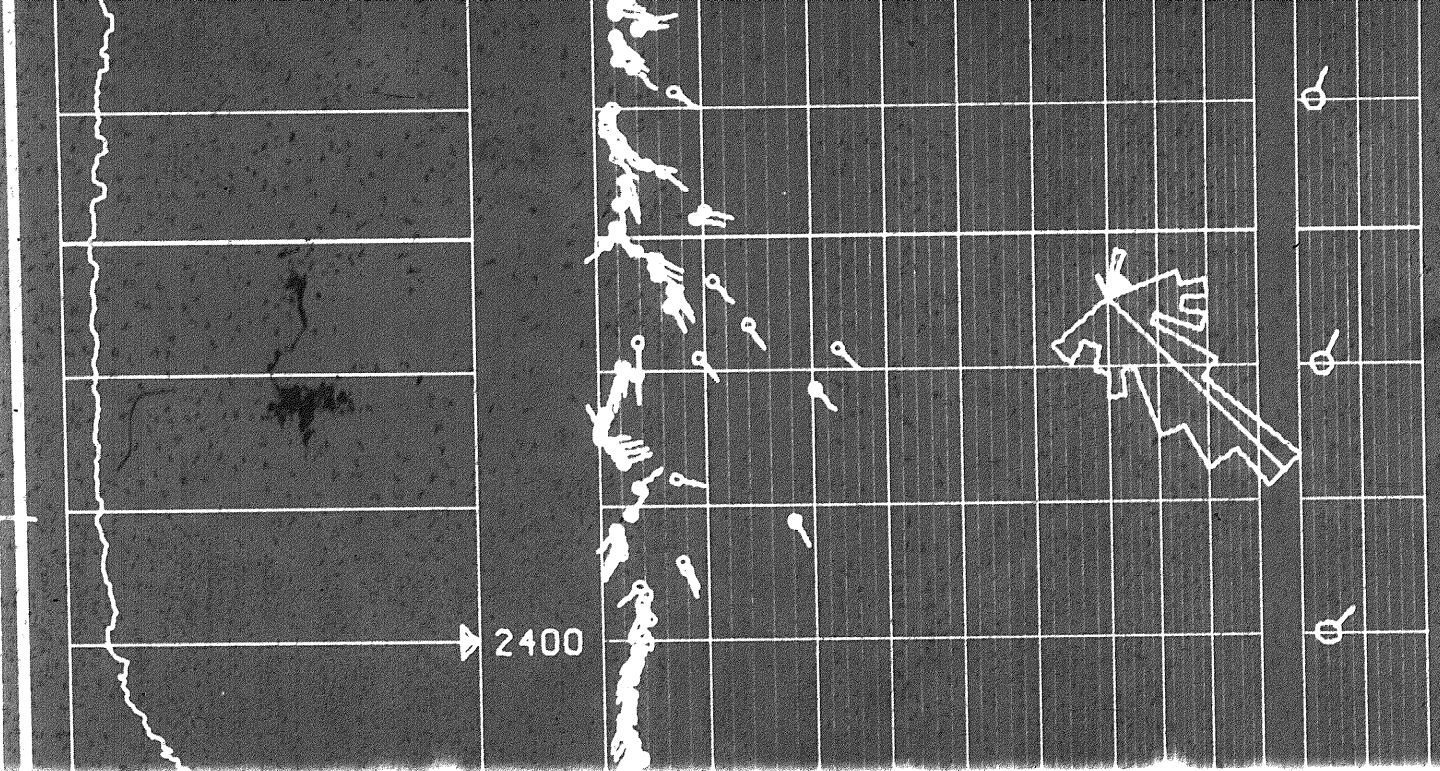
0 0

2300

1105

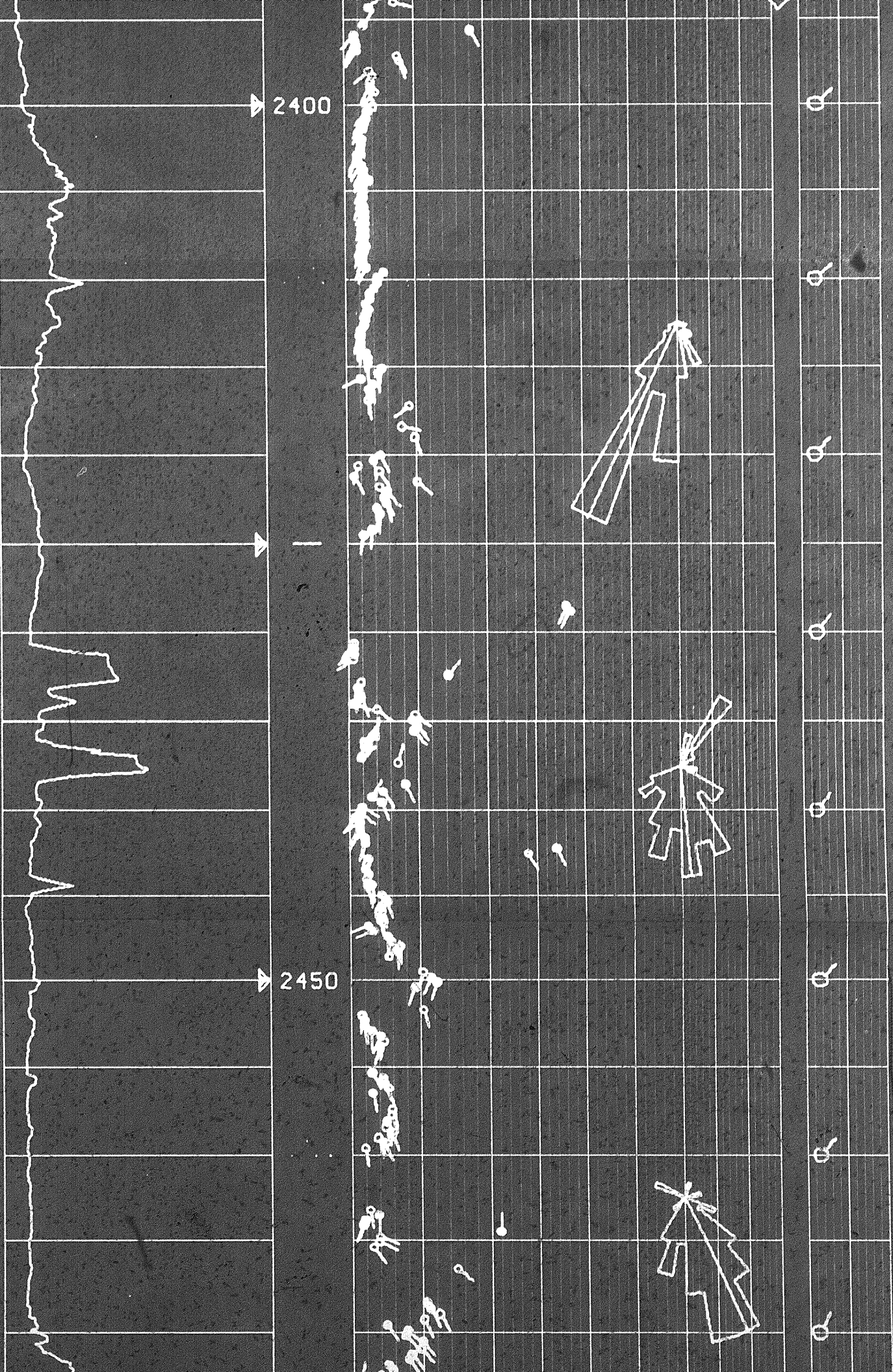


2350



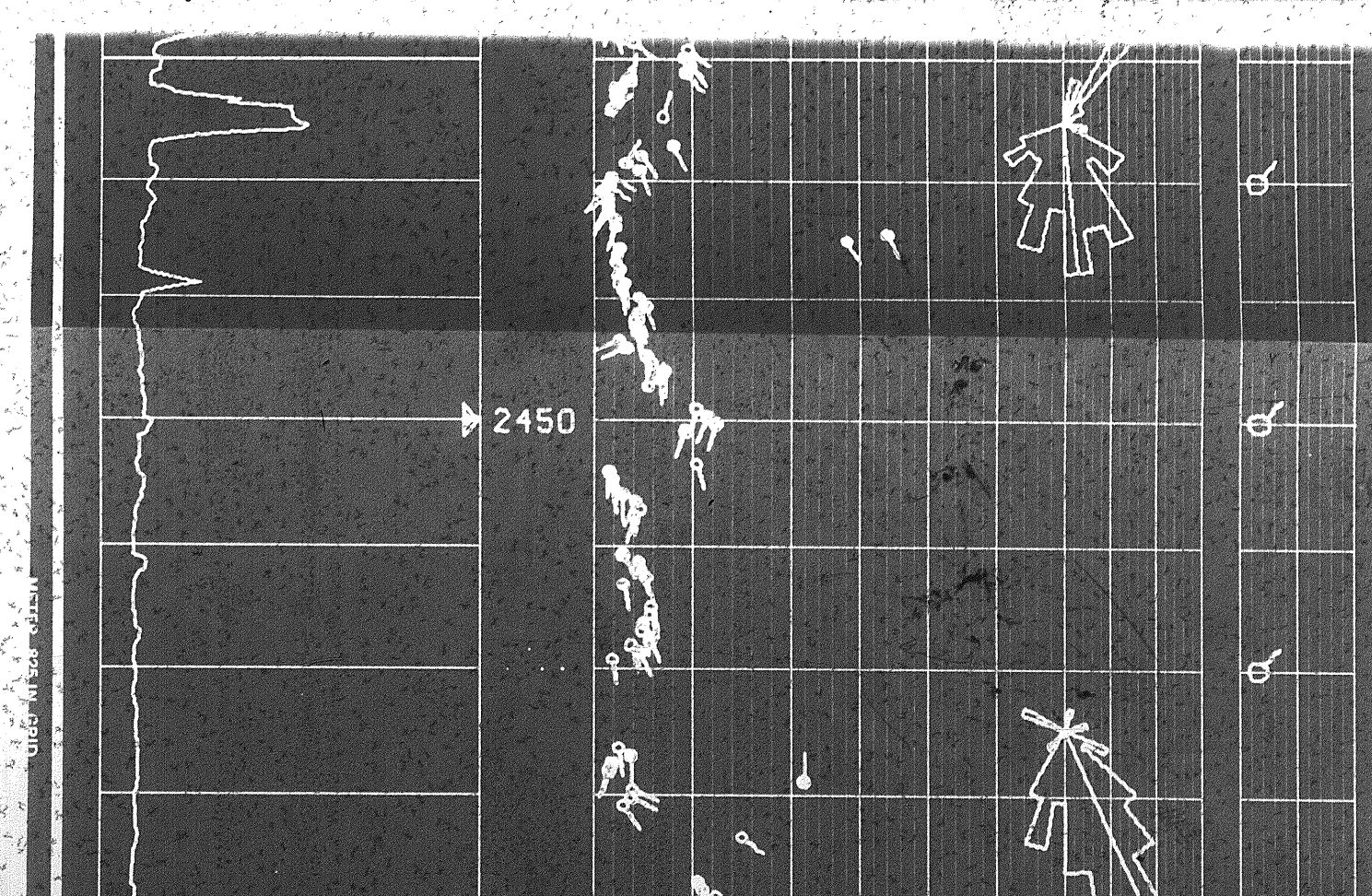
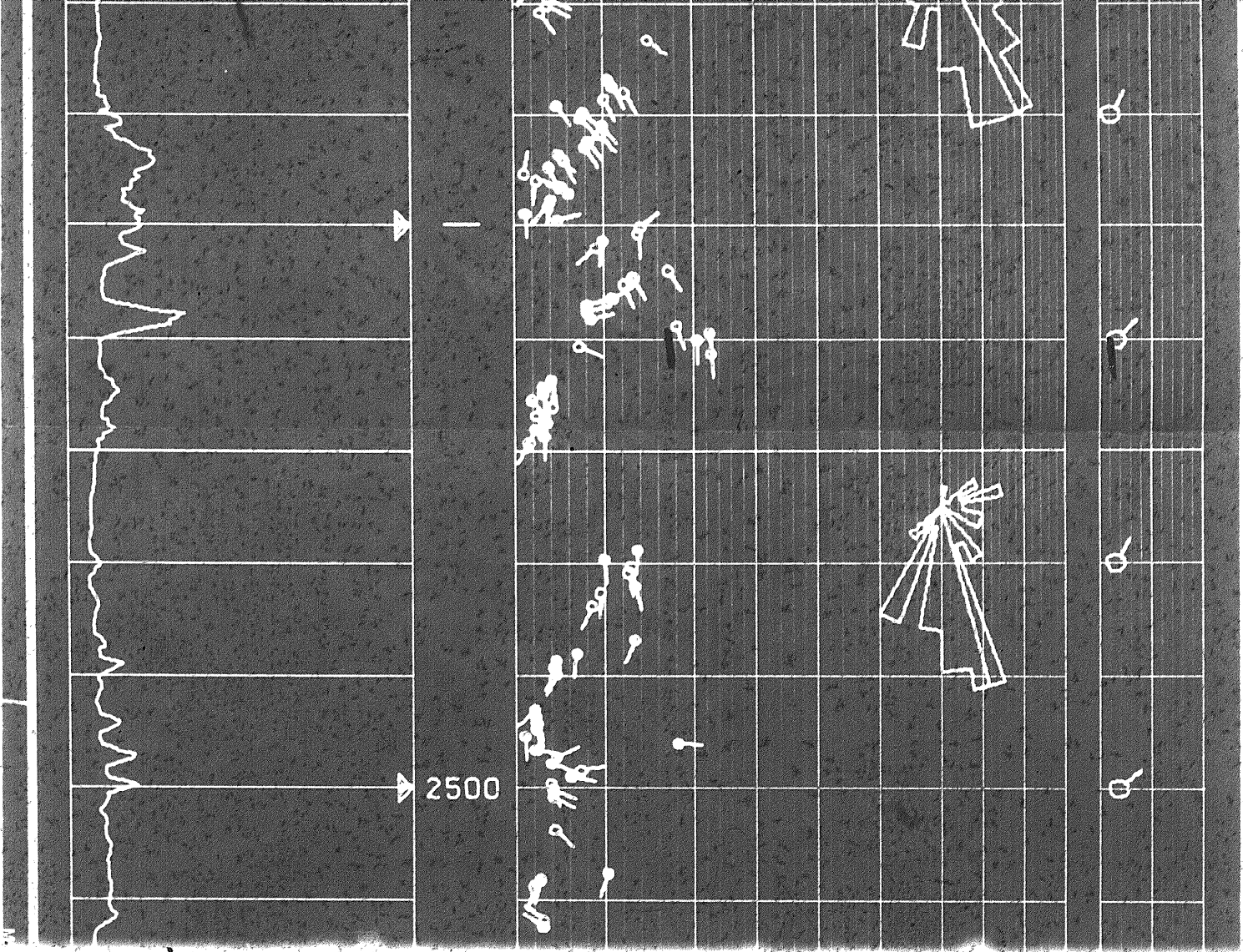
CONTINUED

LEVEL 1
DIPMETER ANNOTATION



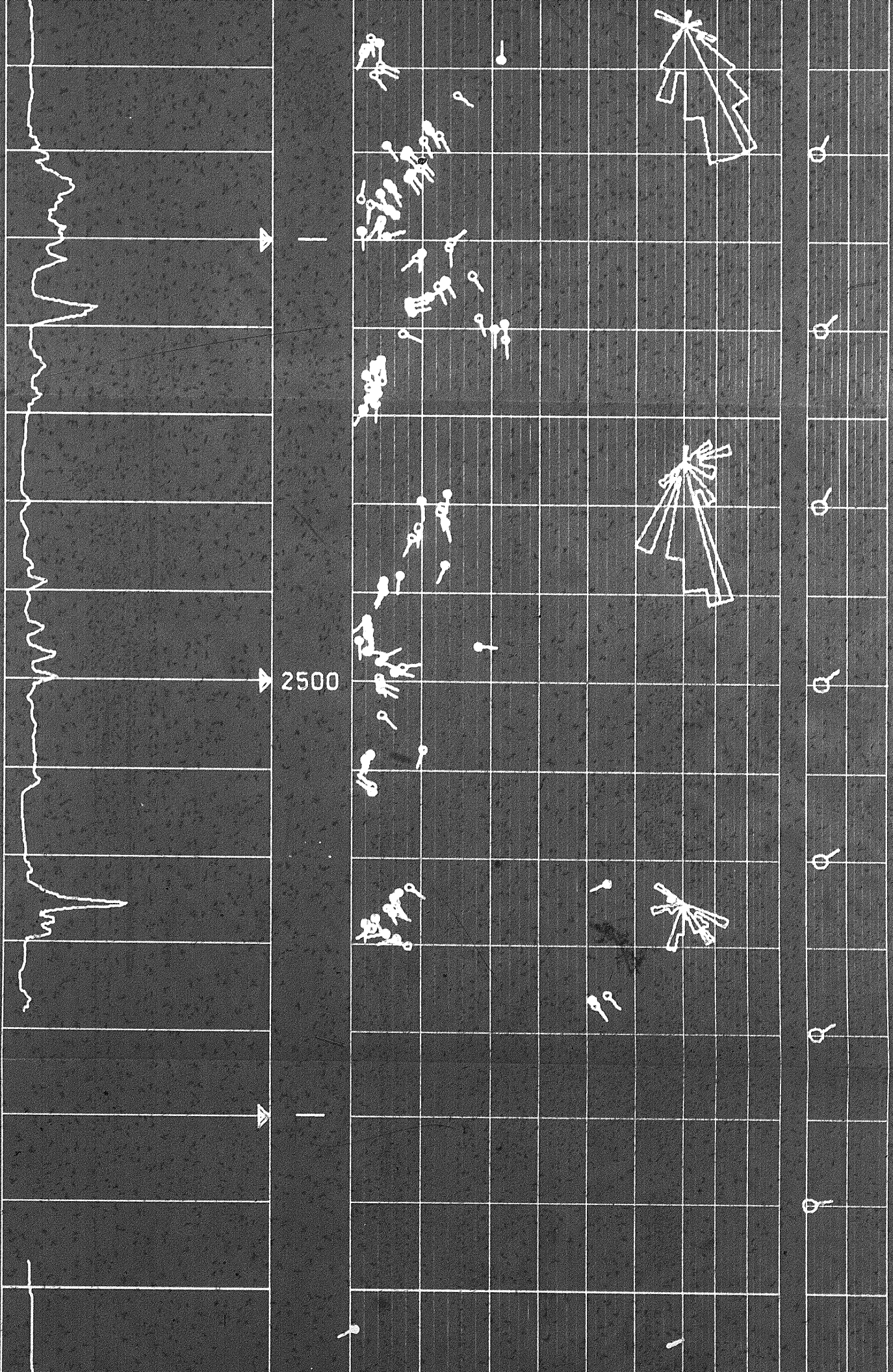
2400

2450

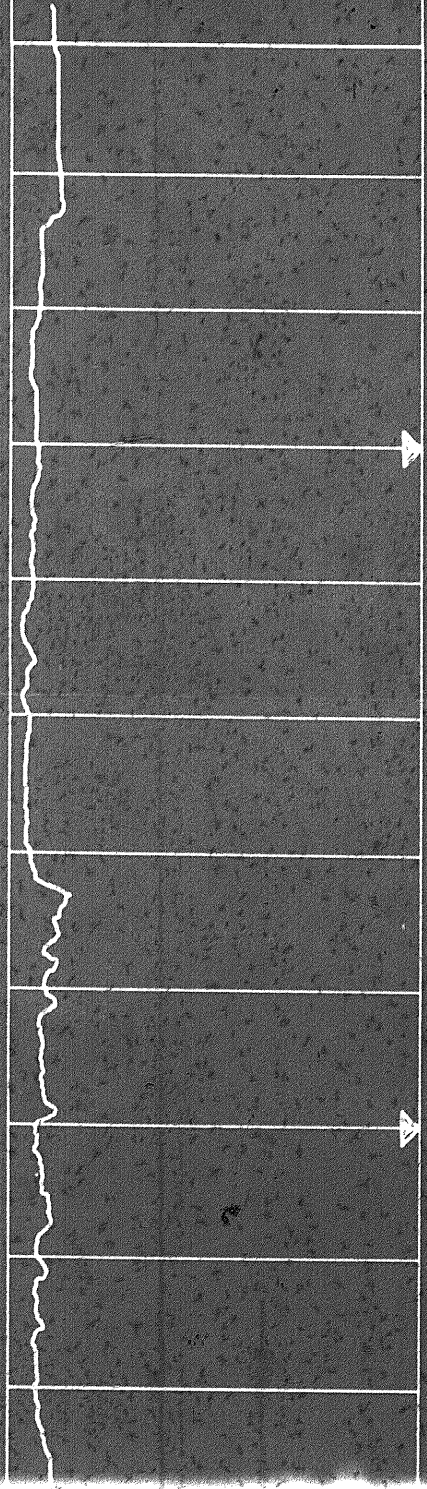


UNITED STATES GOVERNMENT

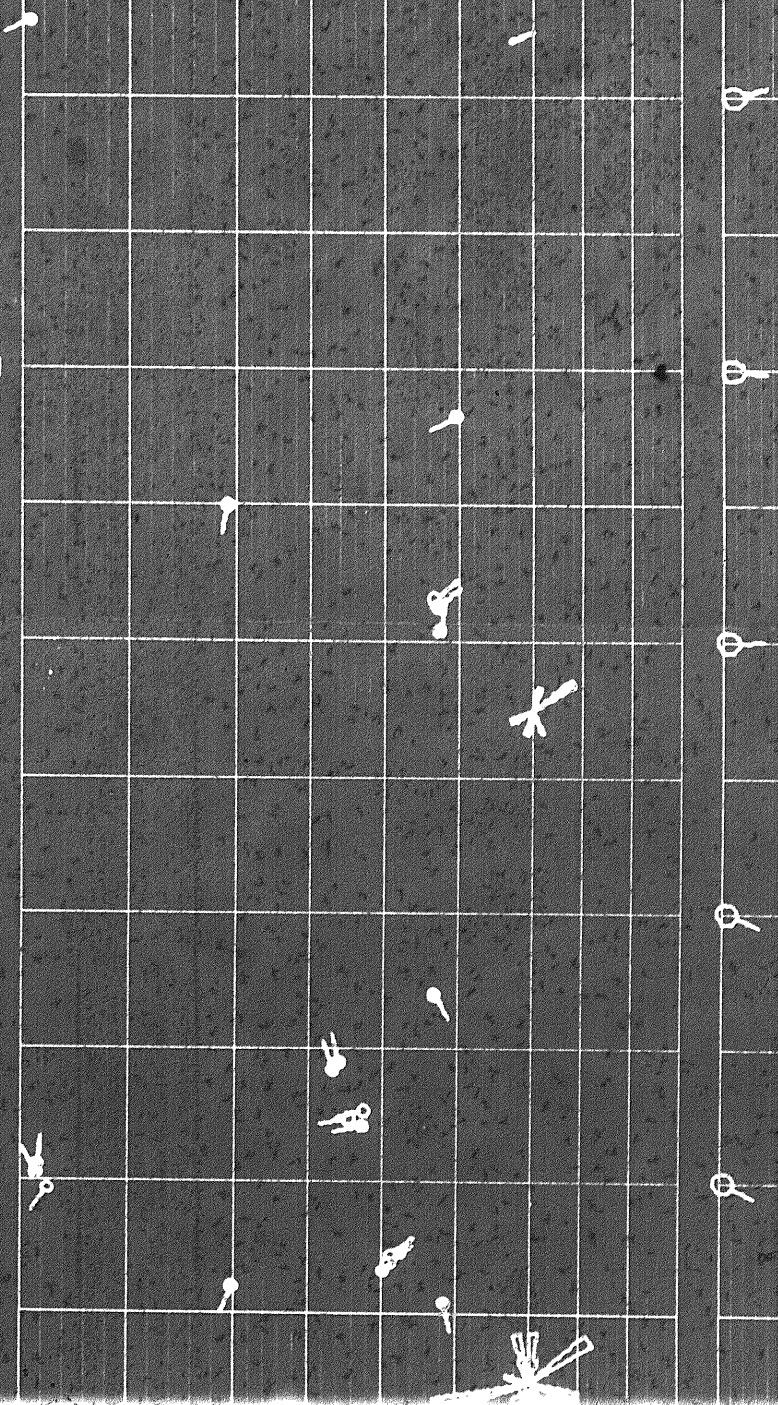
METER 825JN-GRID



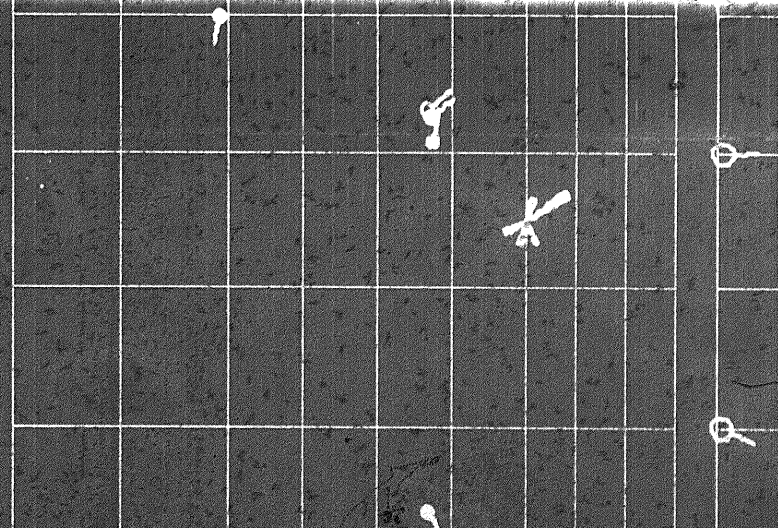
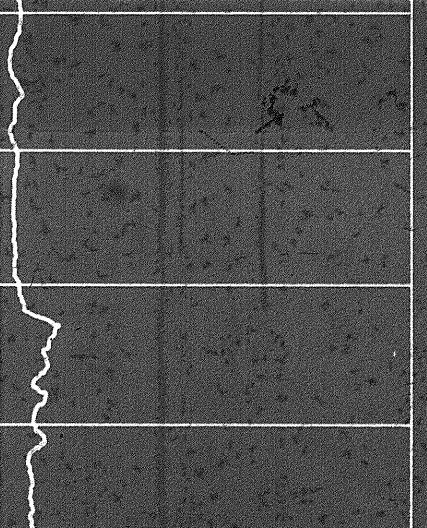
METER .325 IN. GRID



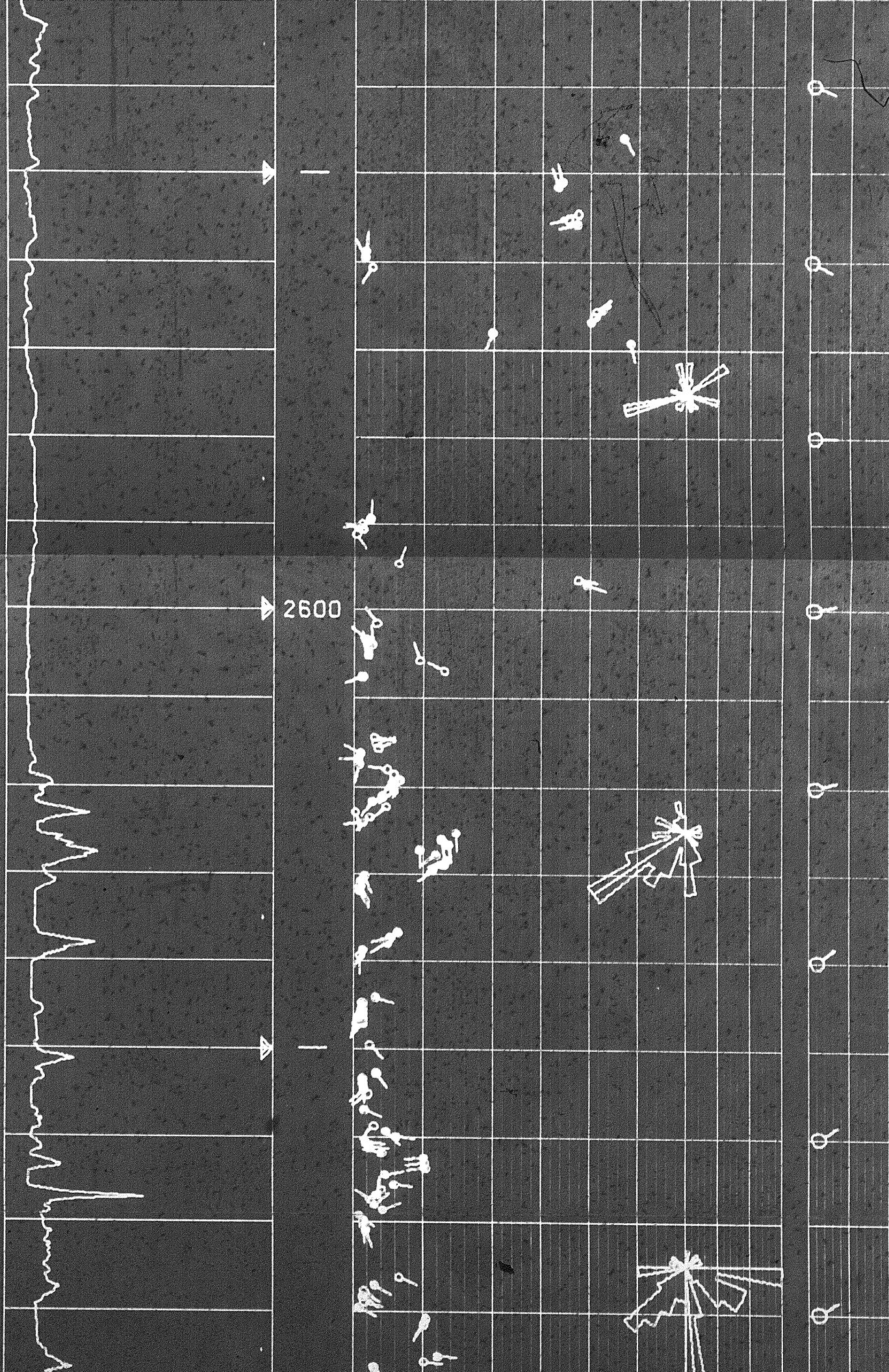
2550



METER .325 IN. GRID

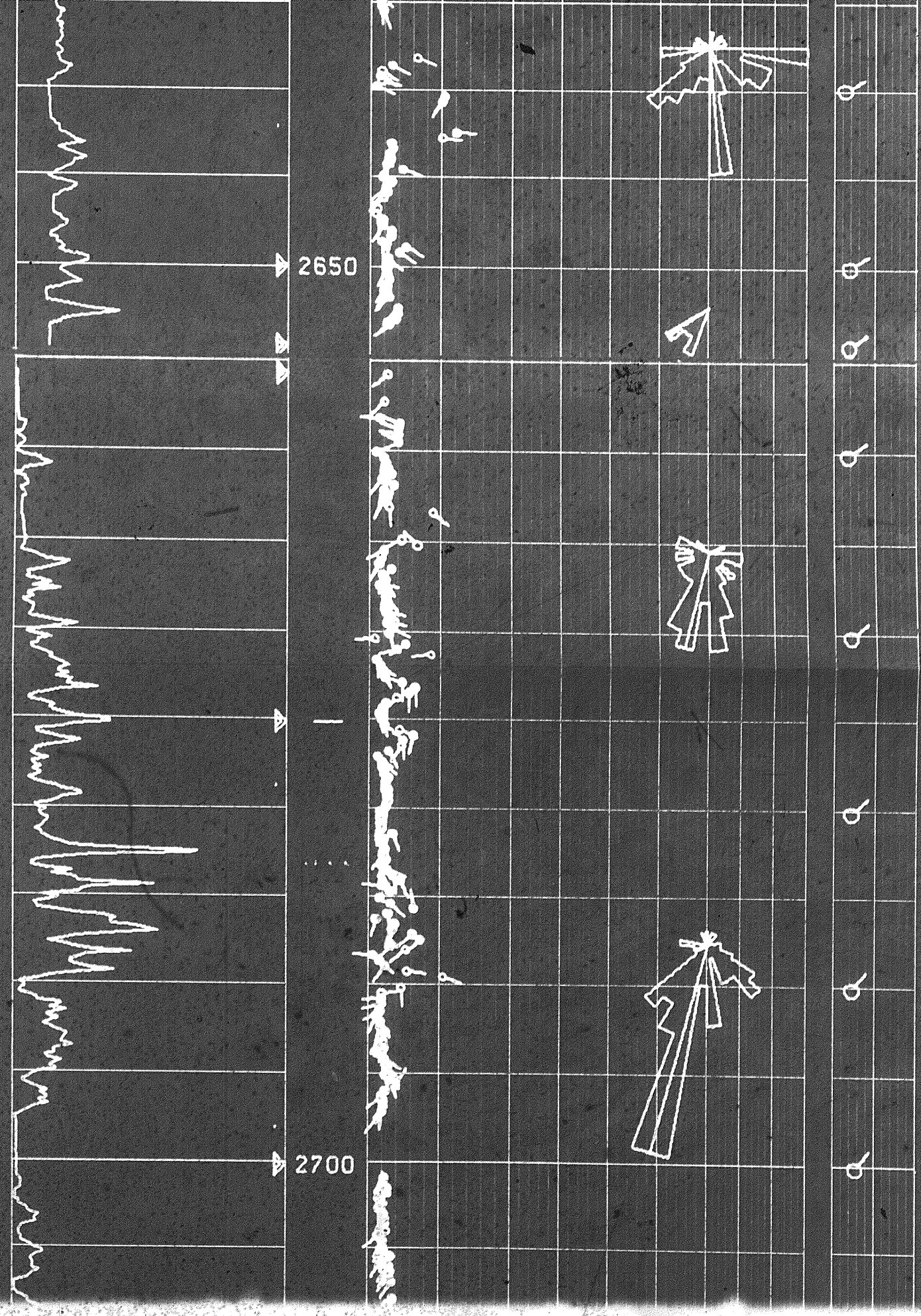


METER .325 IN. GRID



71

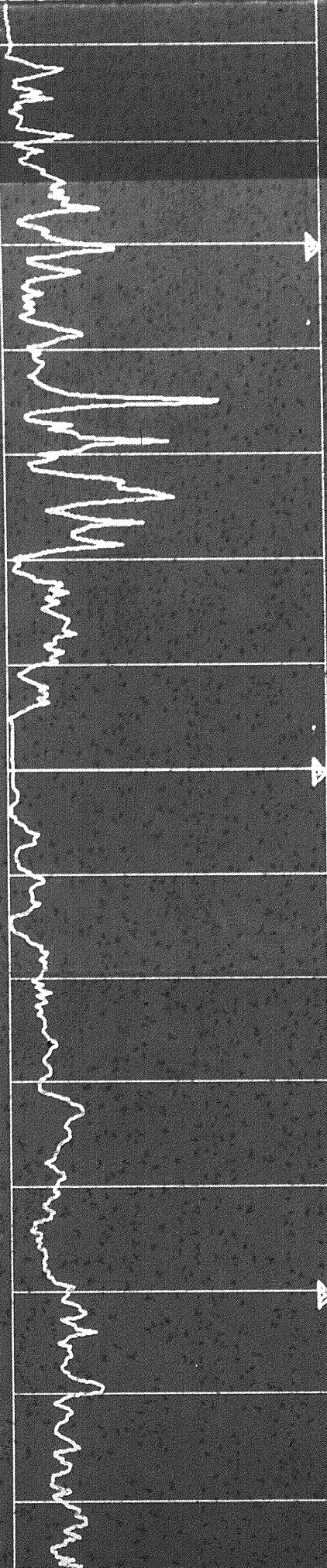
METER 825 IN GRID



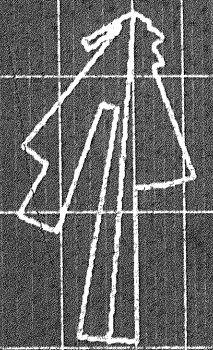
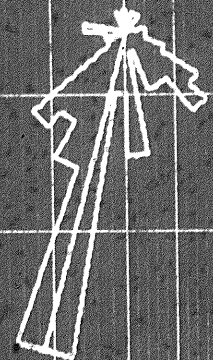
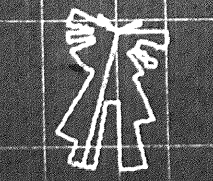
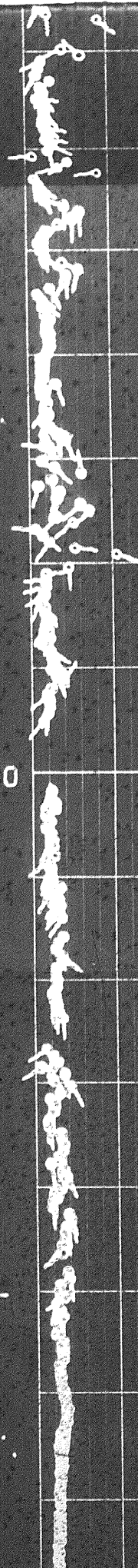
2650

2700

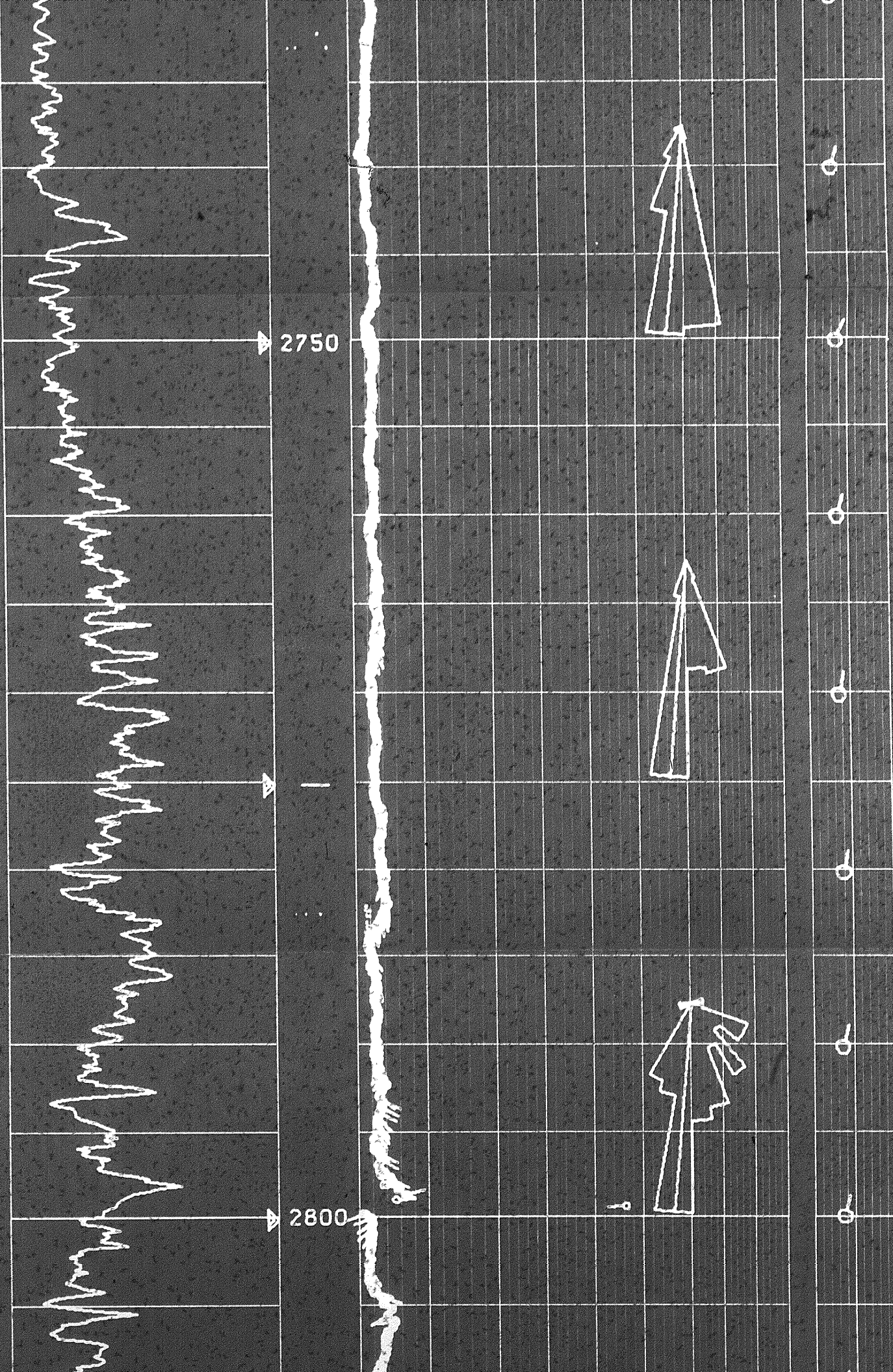
METER 825 IN GRID



2700



15



2750

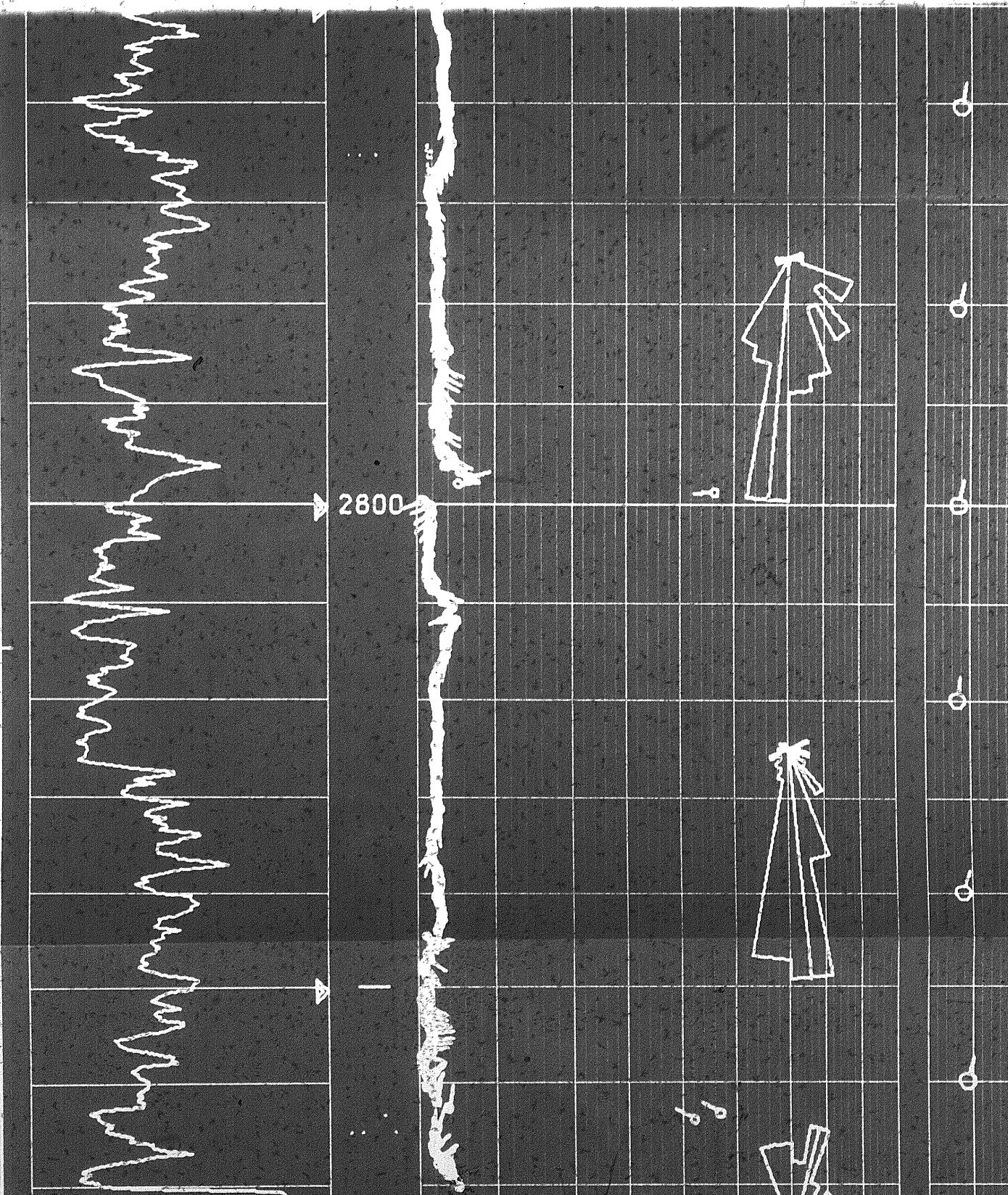
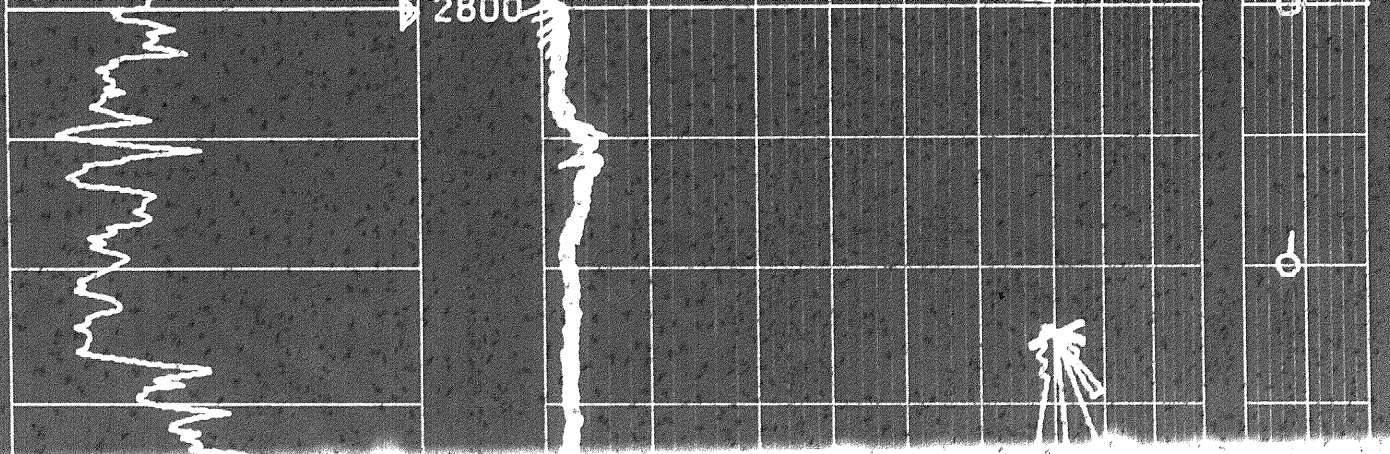
2800

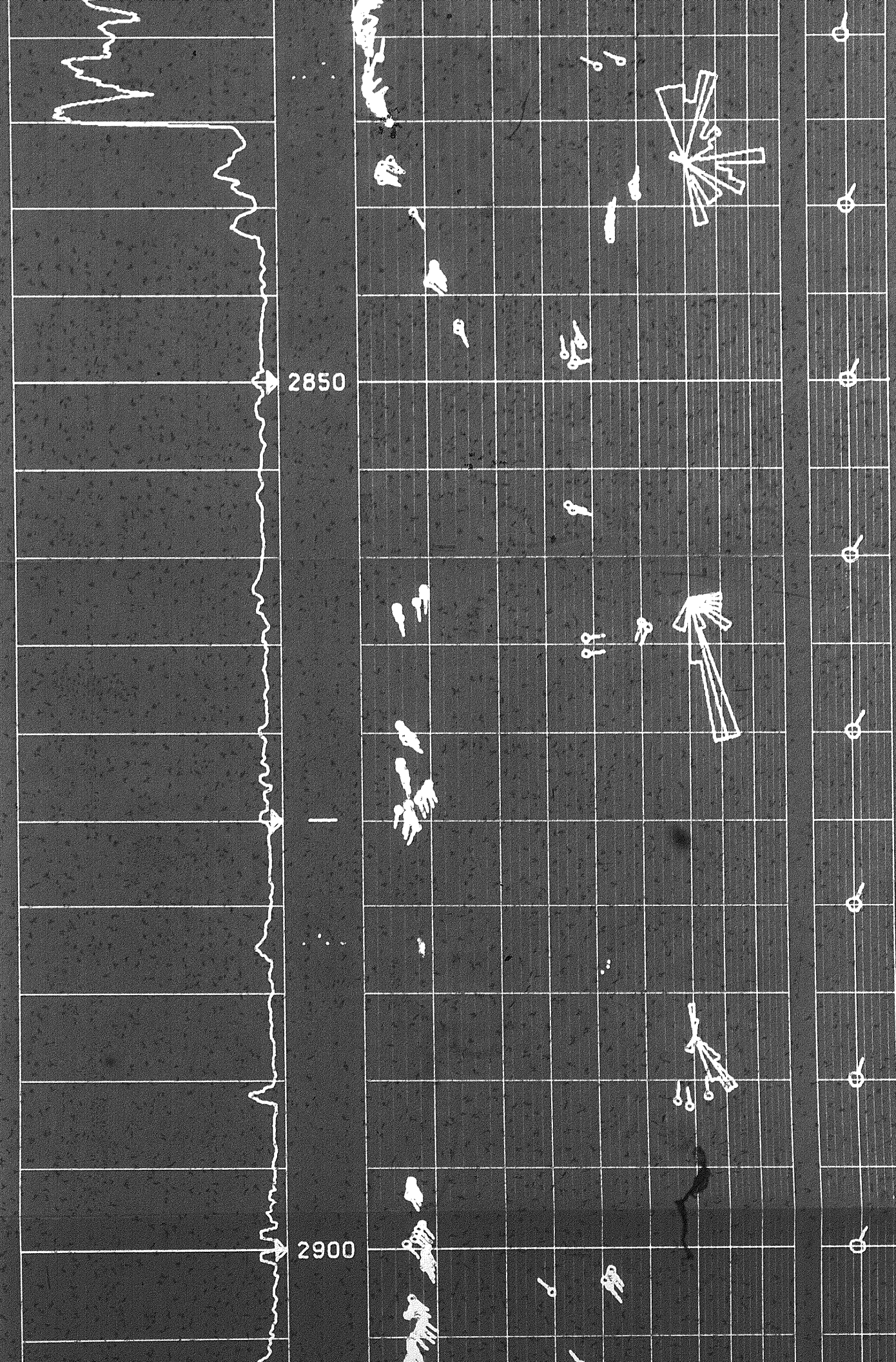
SCALE

ORIENTED AIRWAY LOG

CONSIDERATION

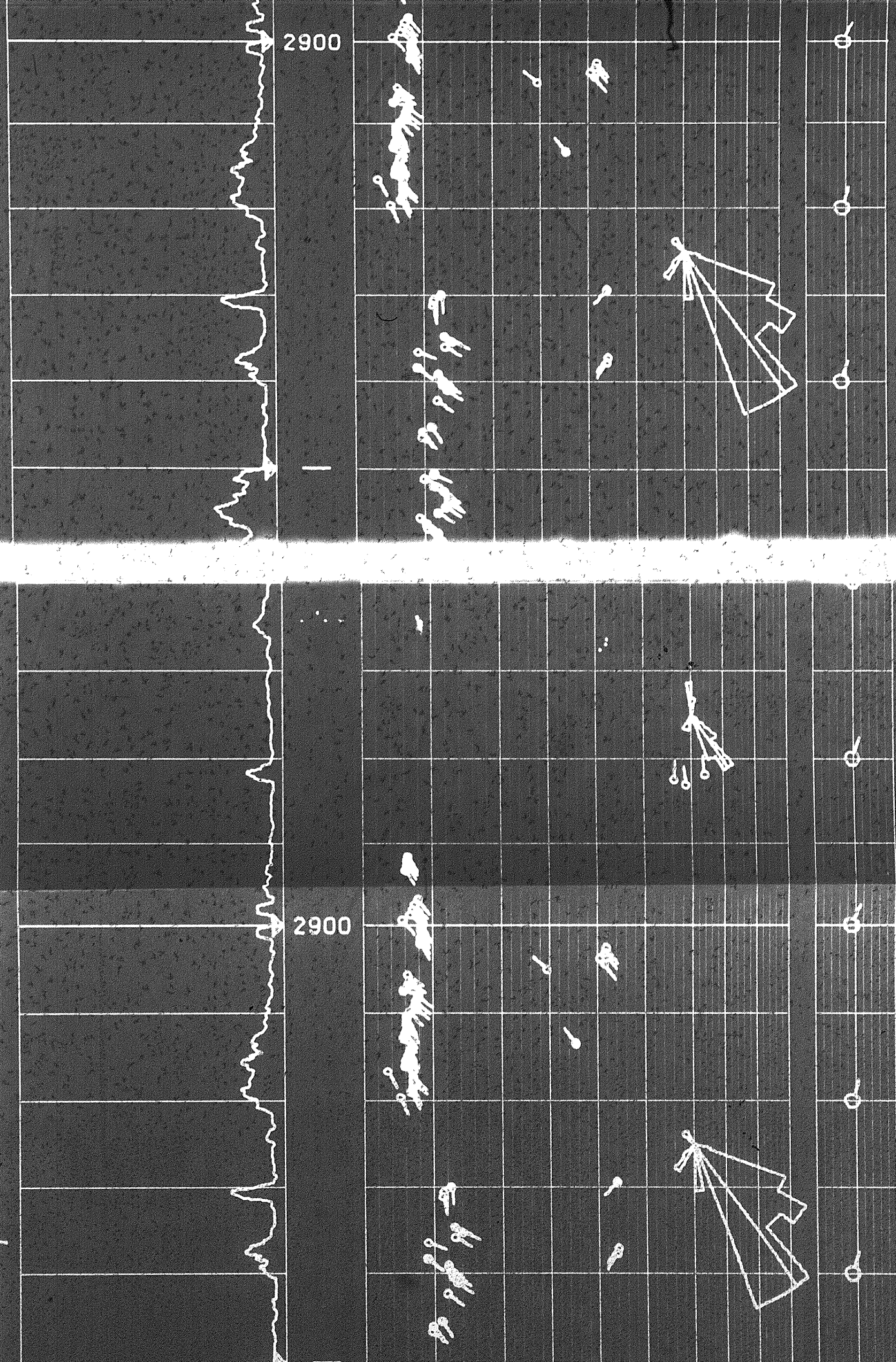
DATE



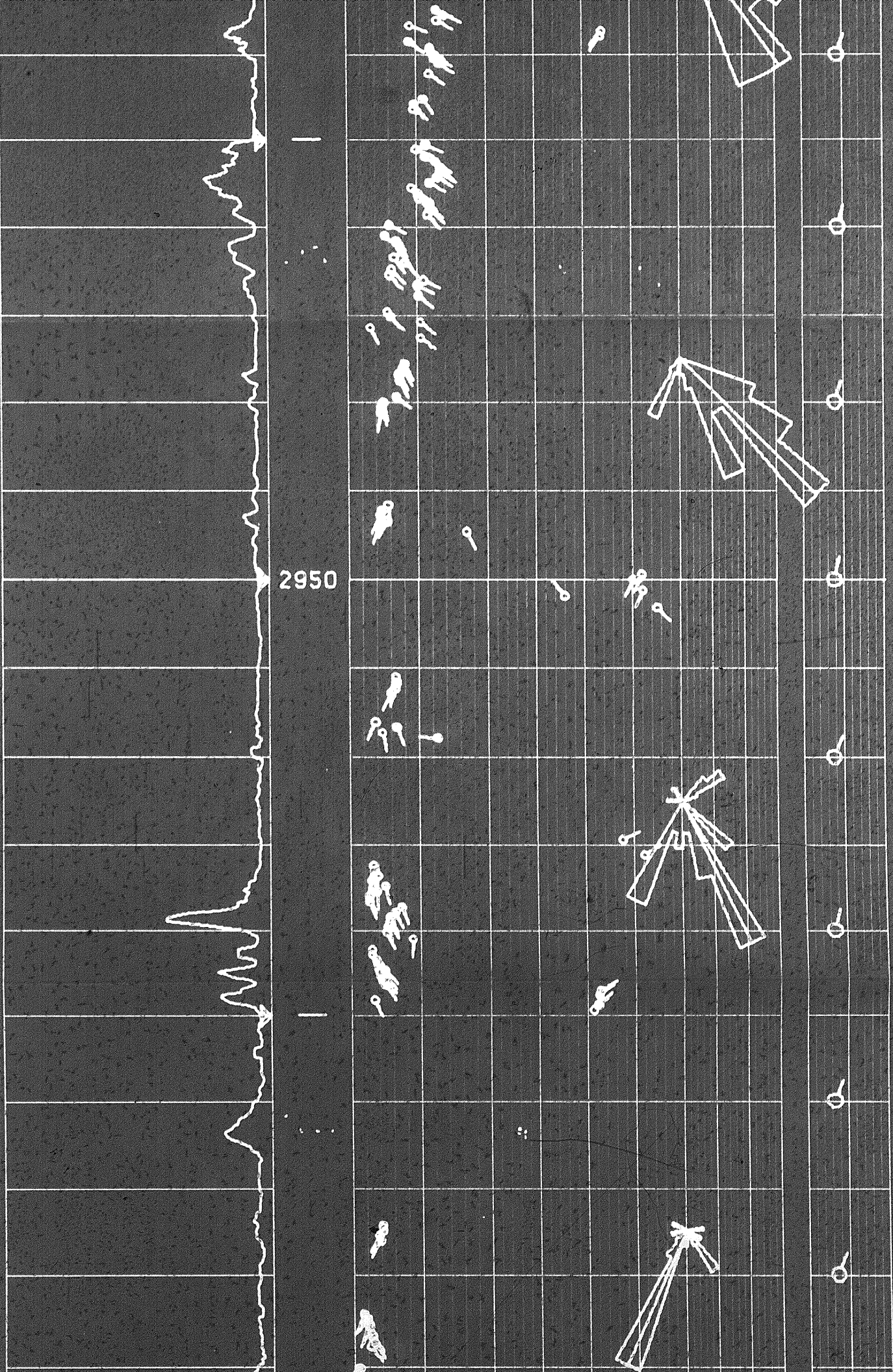


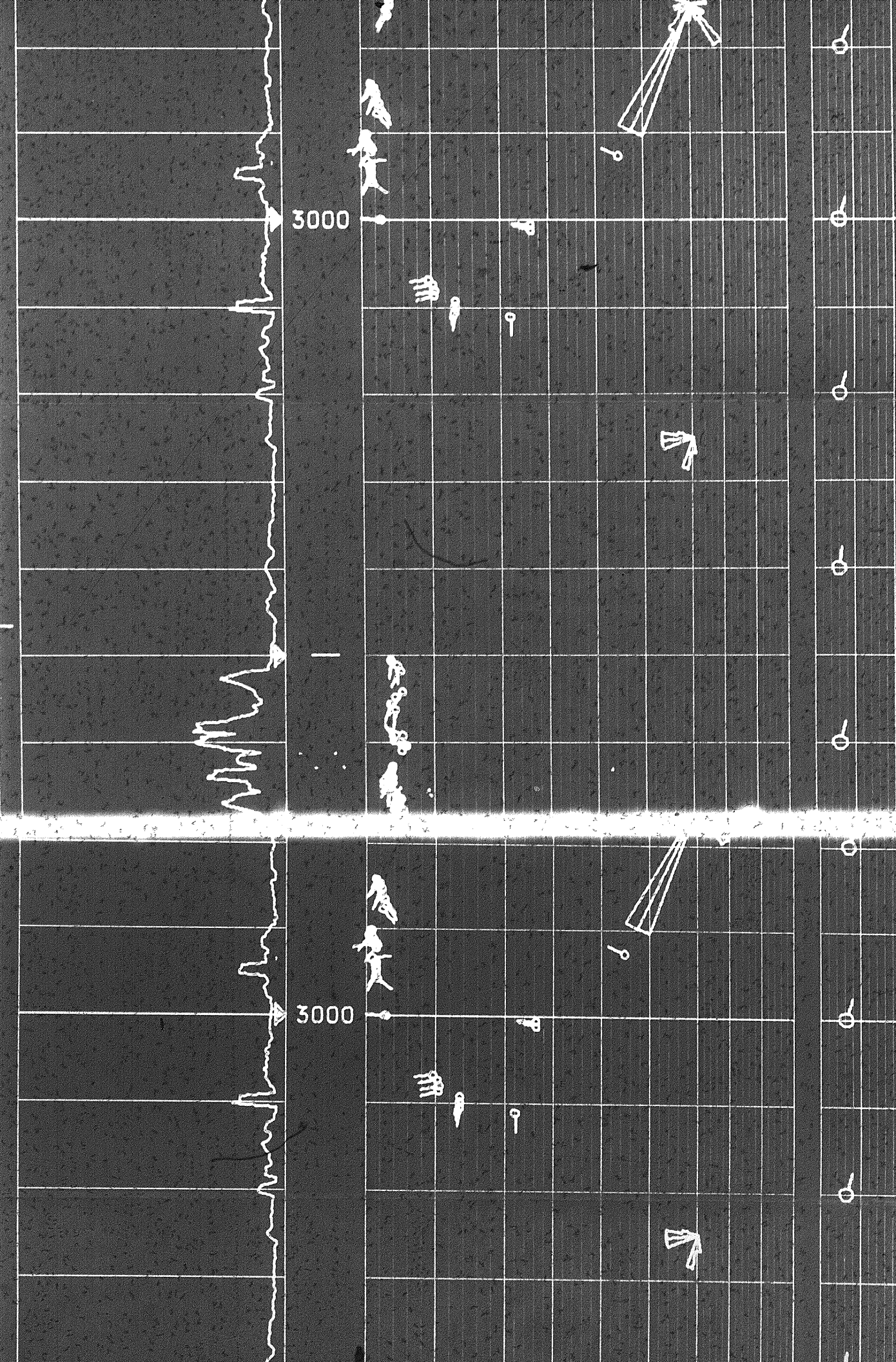
2900

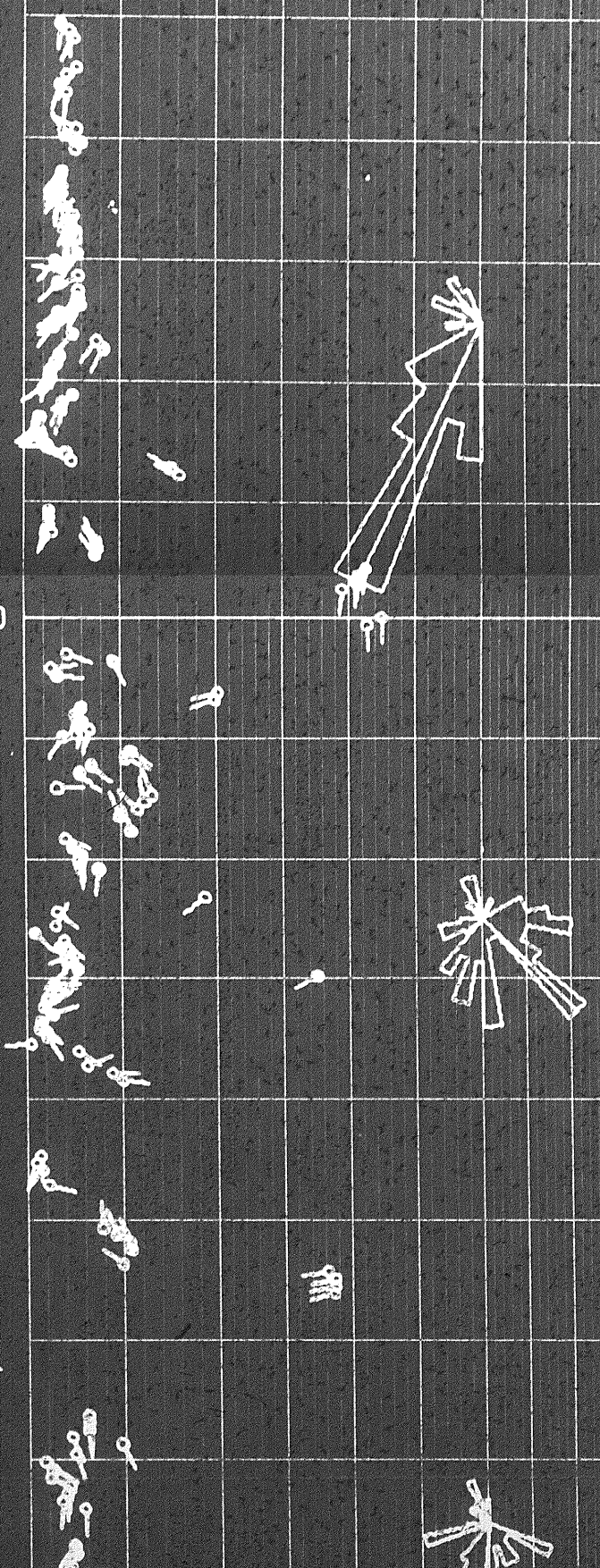
2900



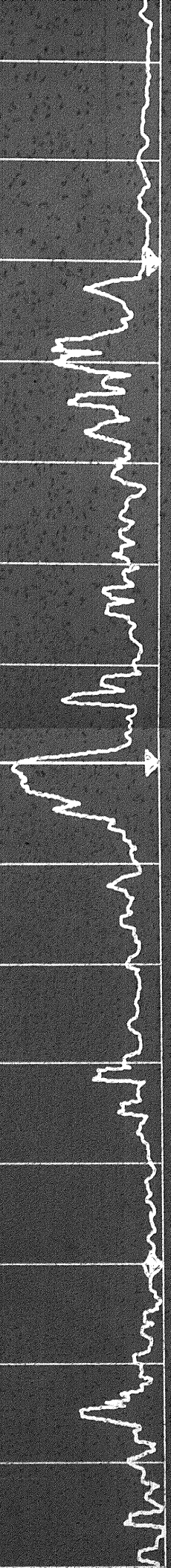
1701



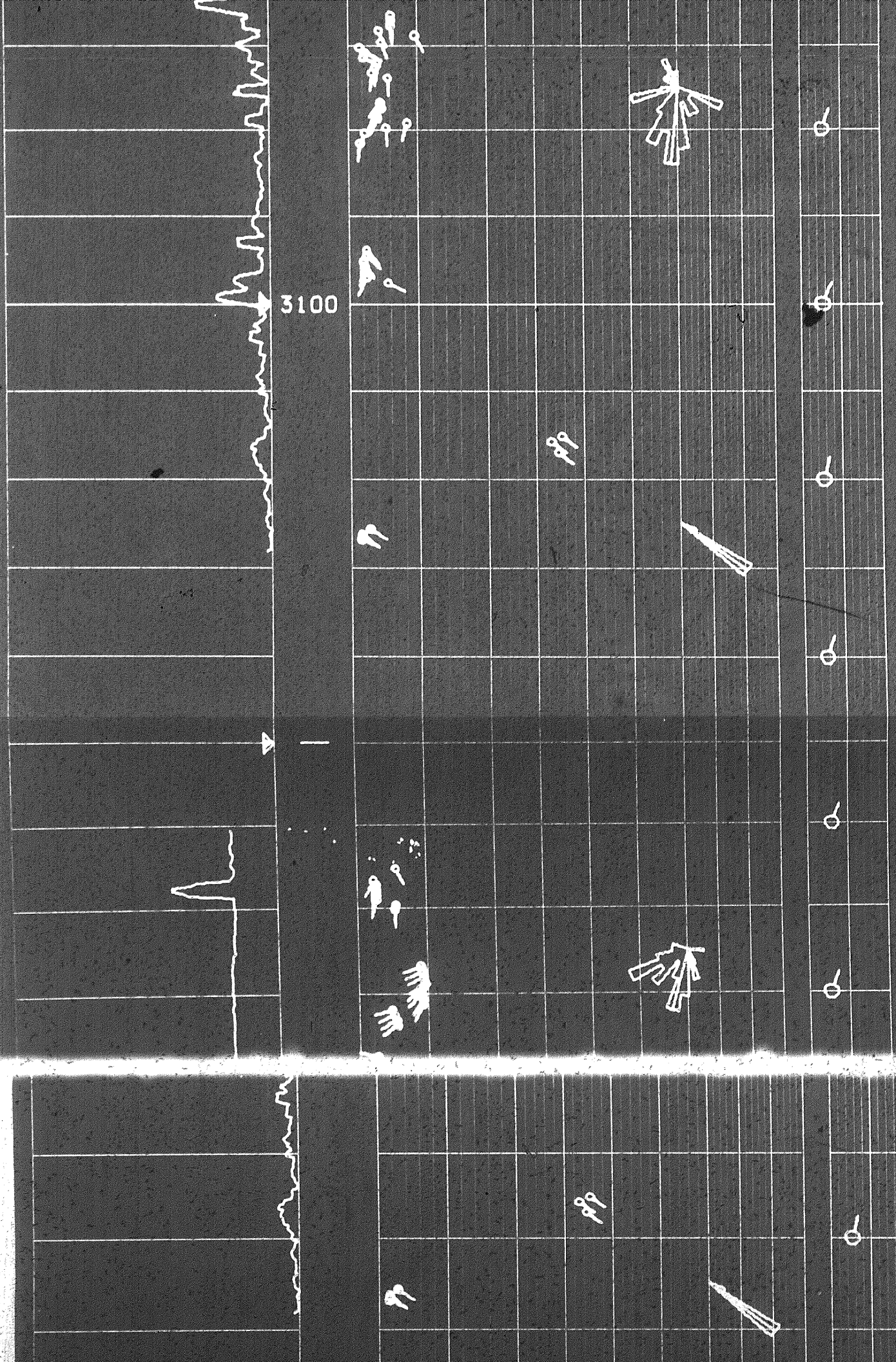


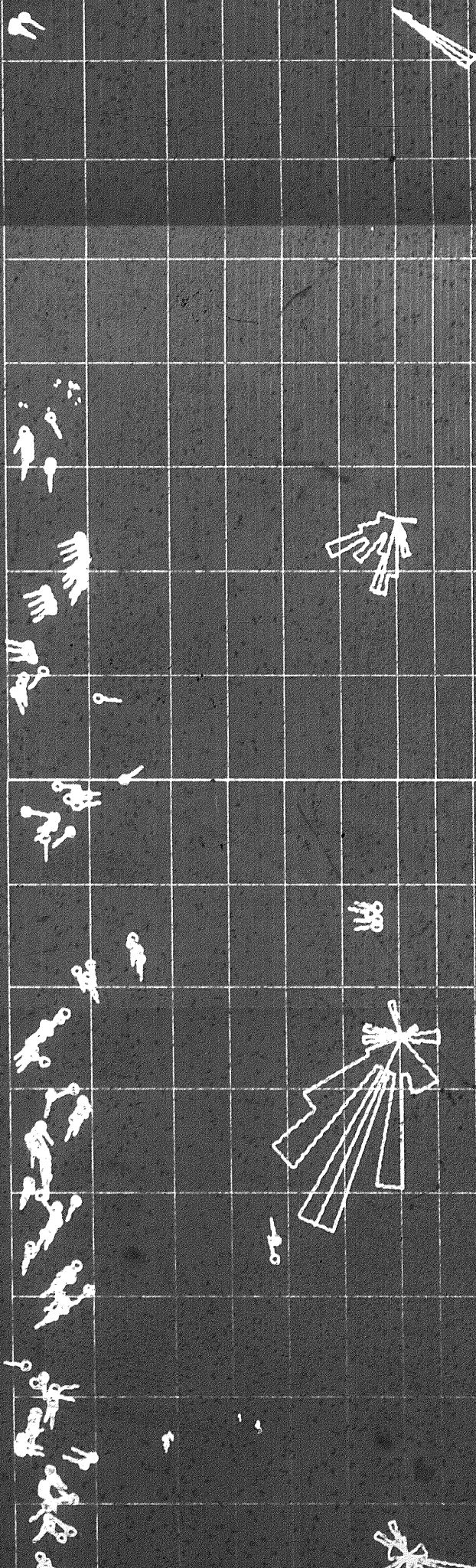
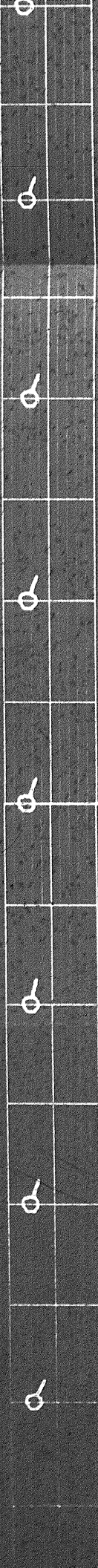


3050



1807

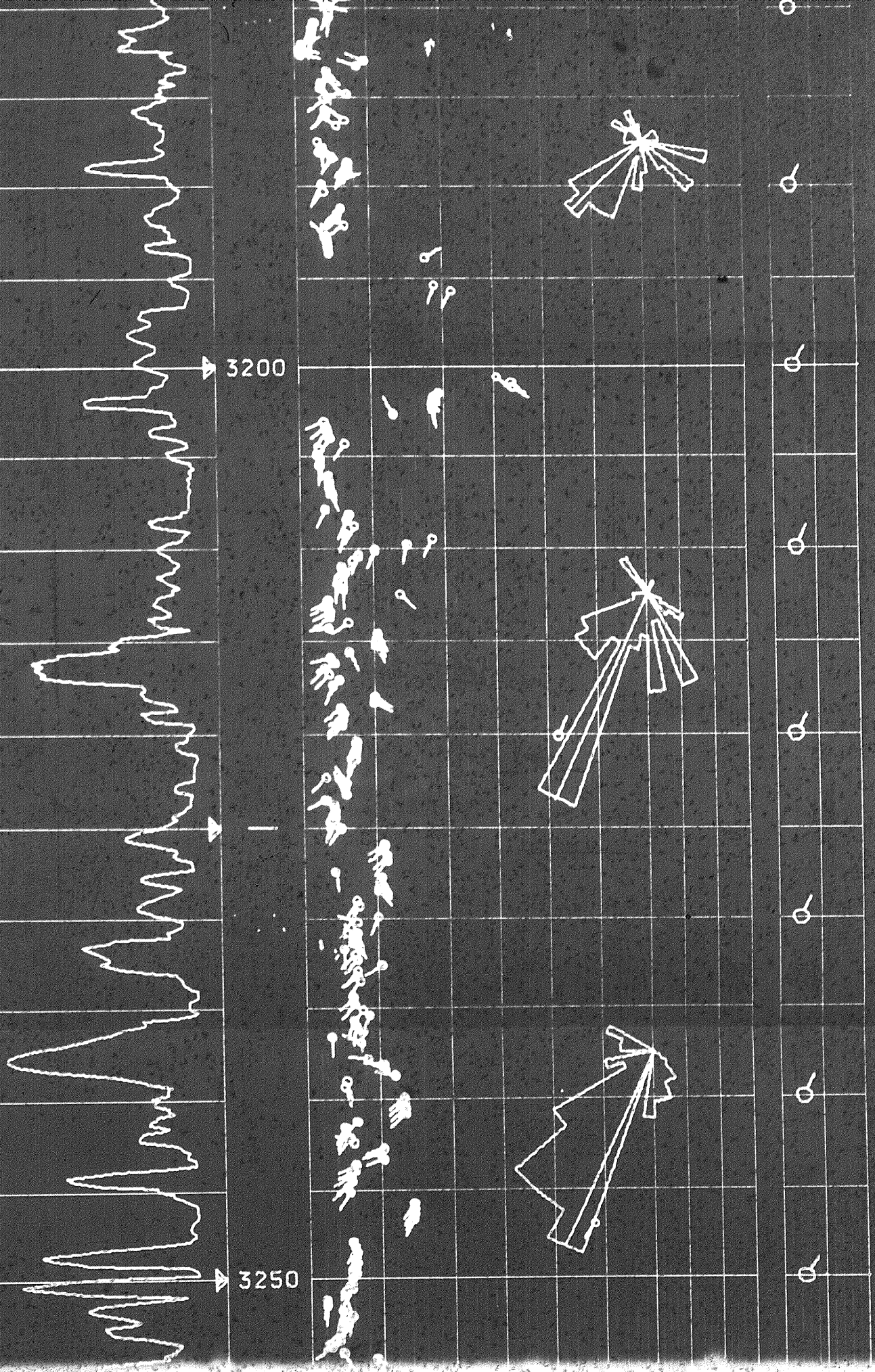


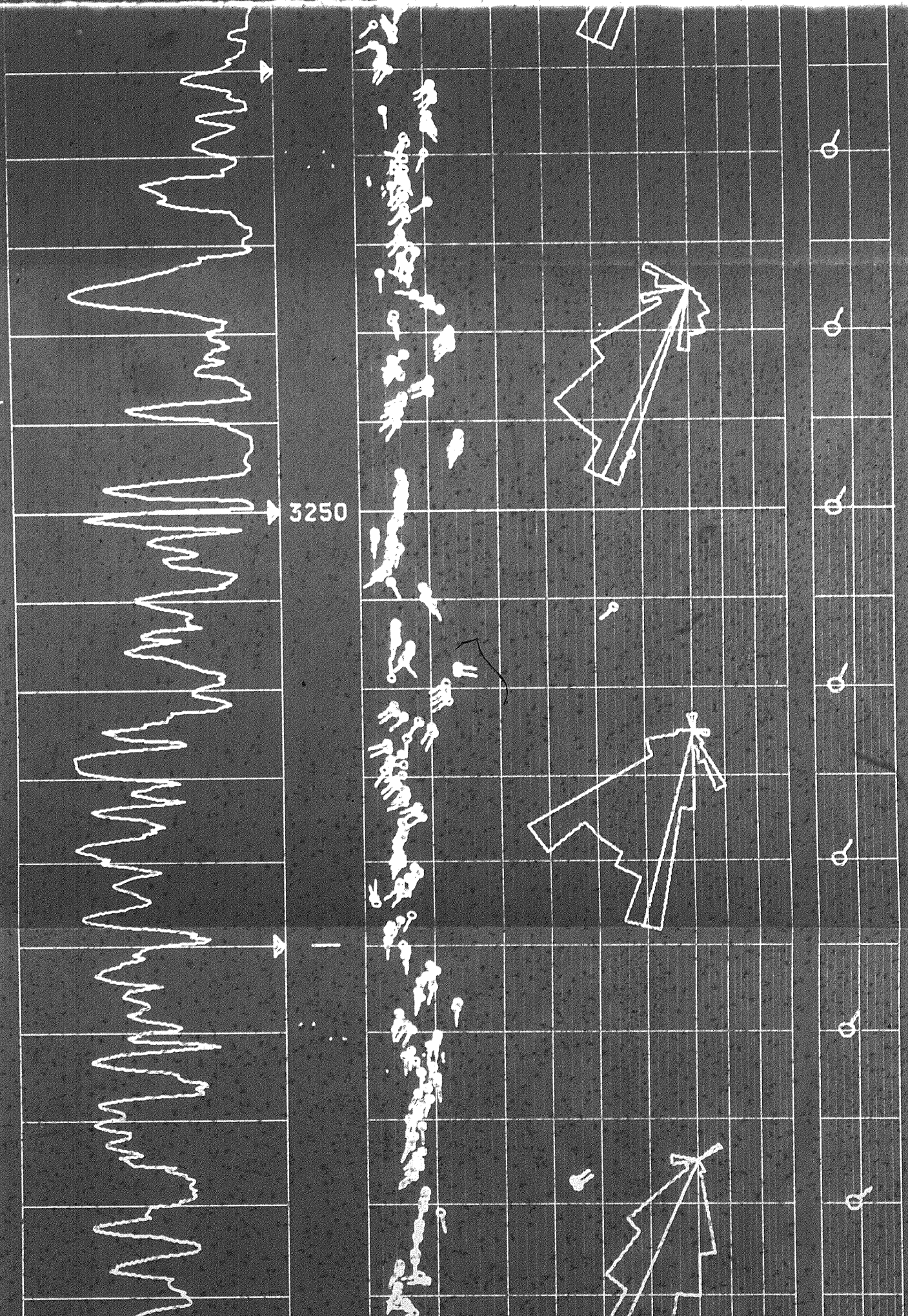


3150

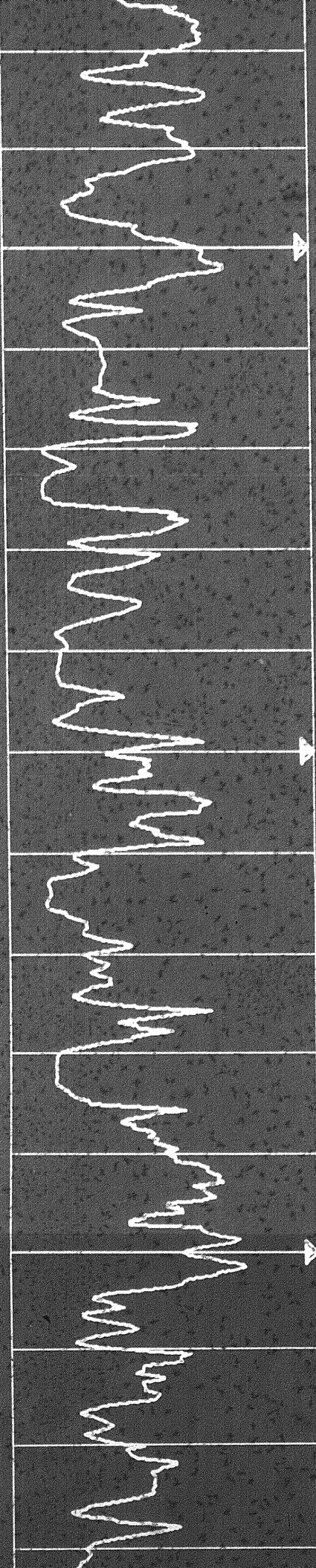


10



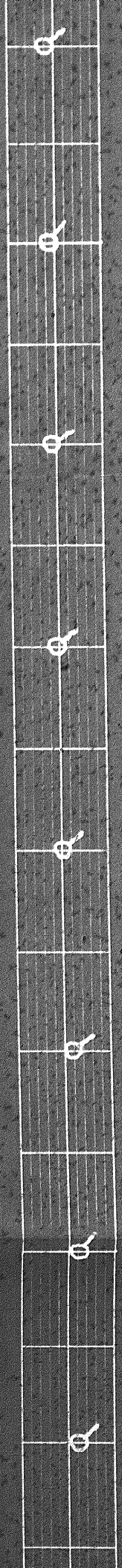
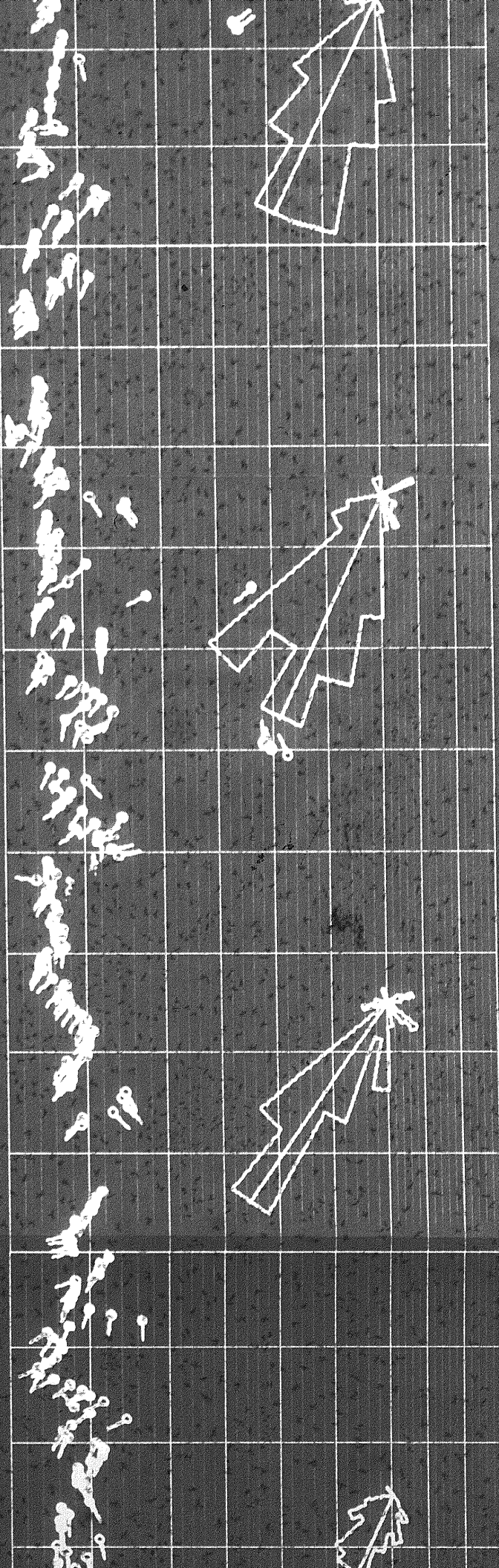


01



3300

3350

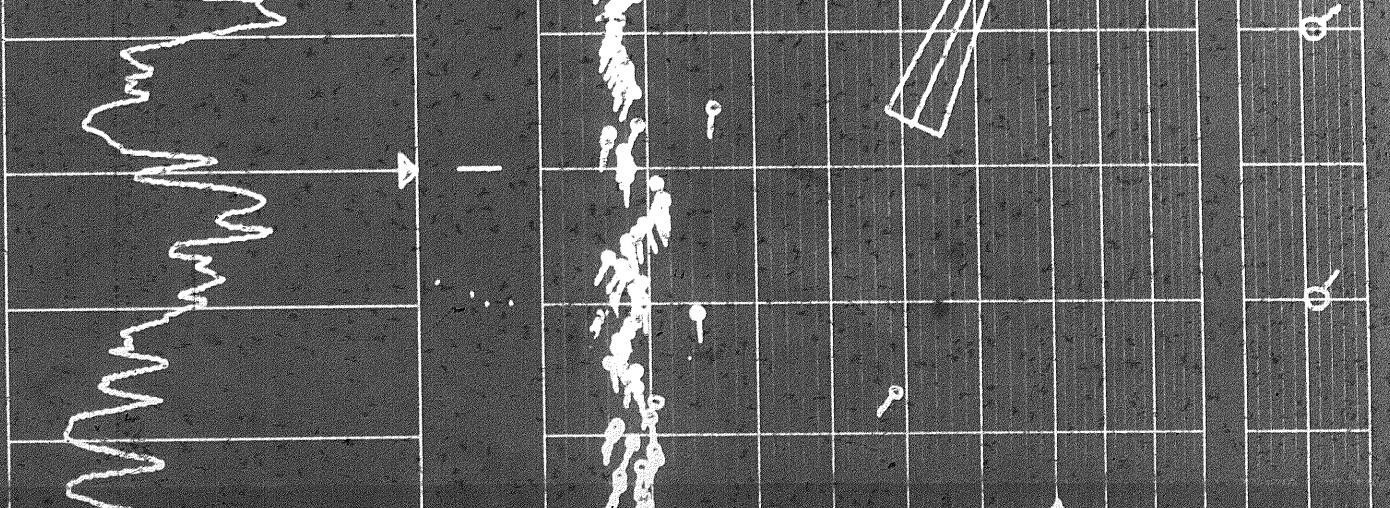
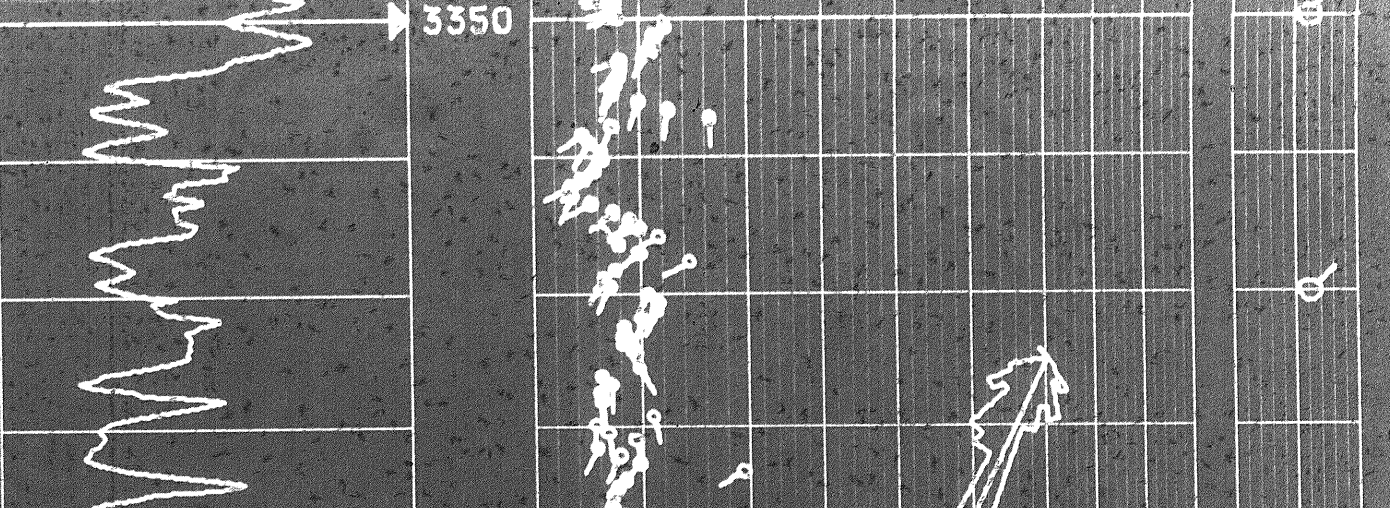
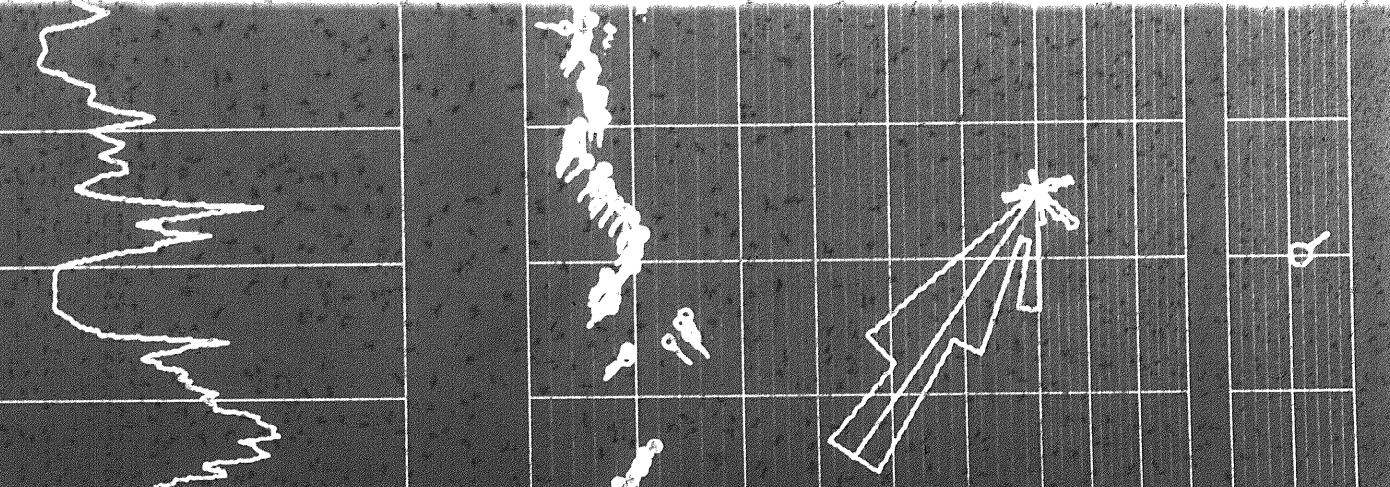
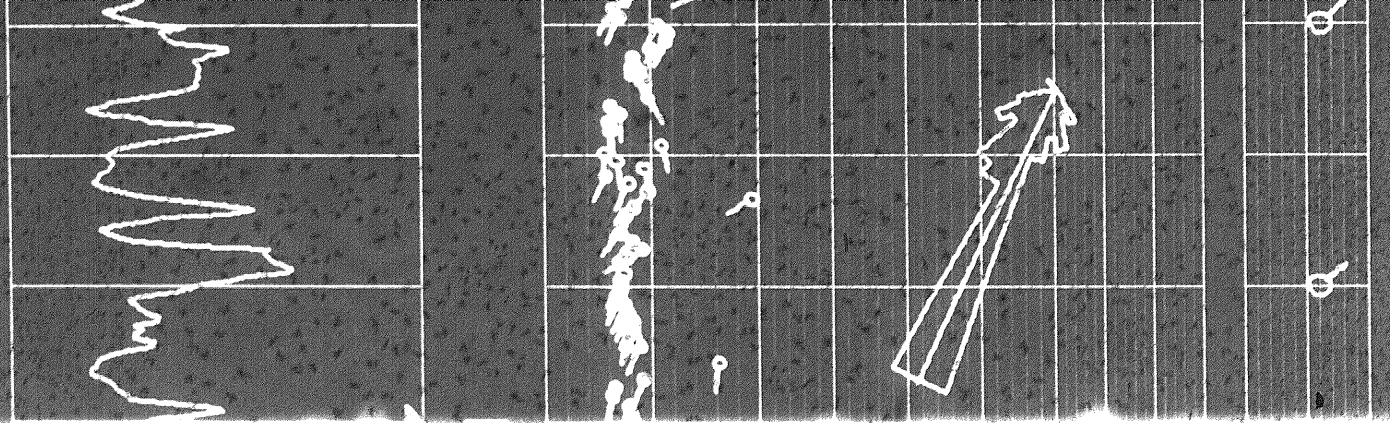


SCHLEIBENFLUGH

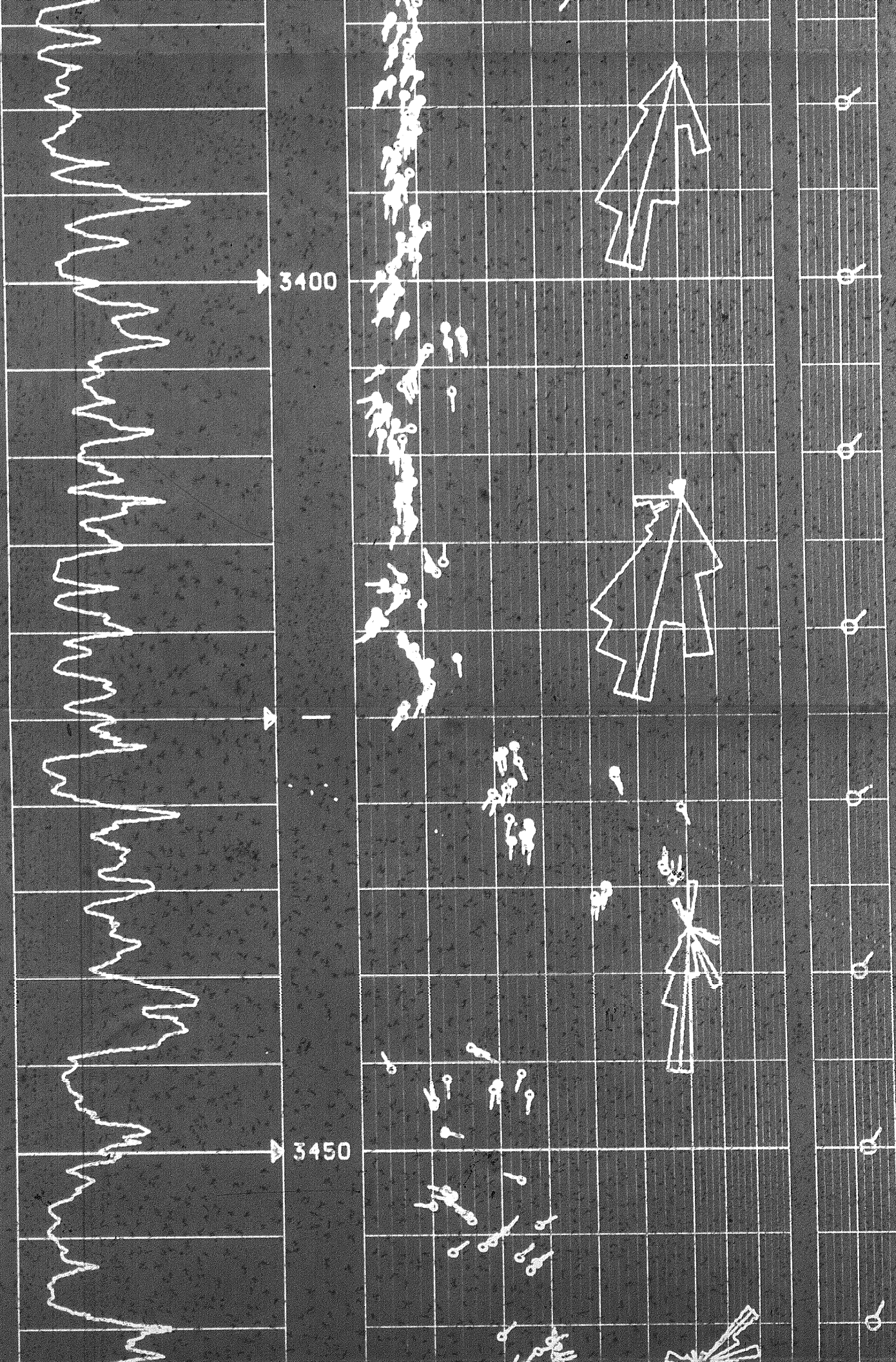
ARROW PLOT

SCHLEIBENFLUGH

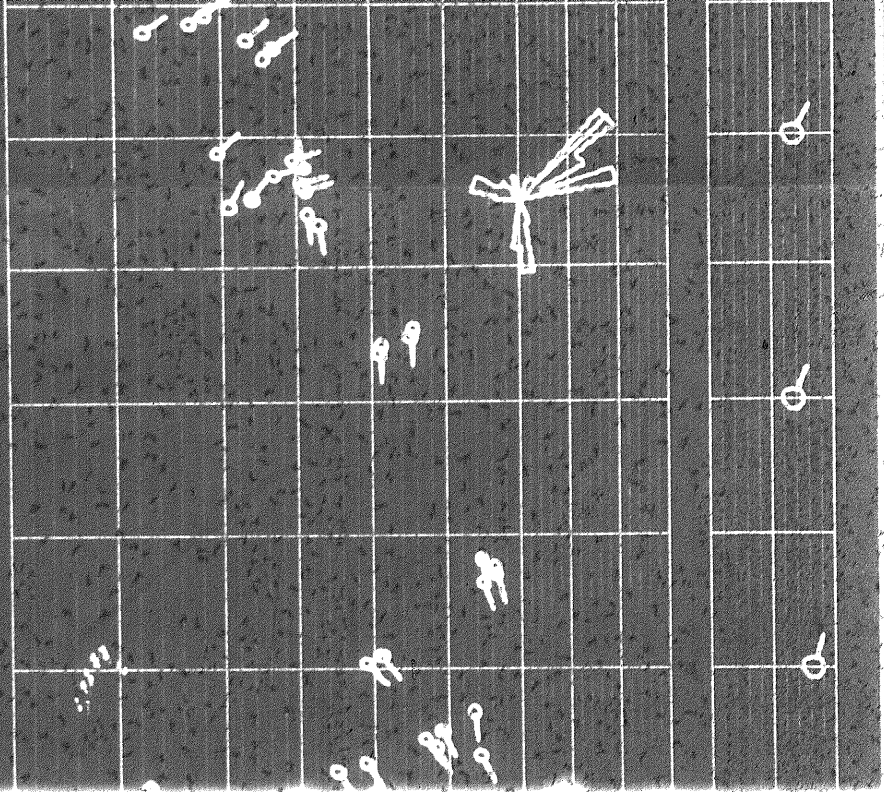
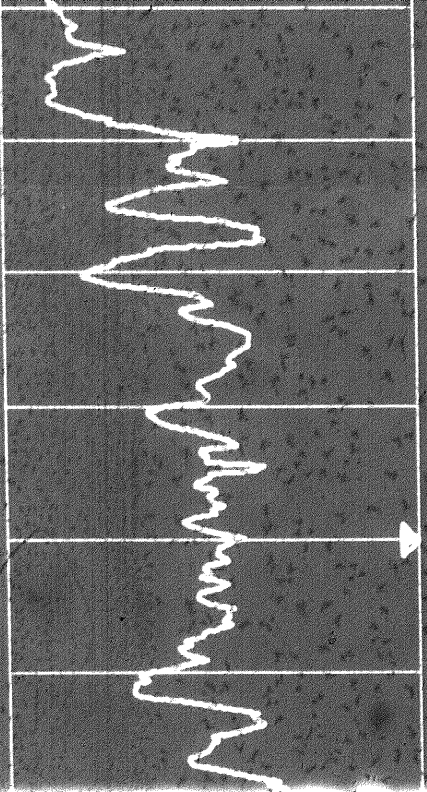
DIPMETER ARROW PLOT



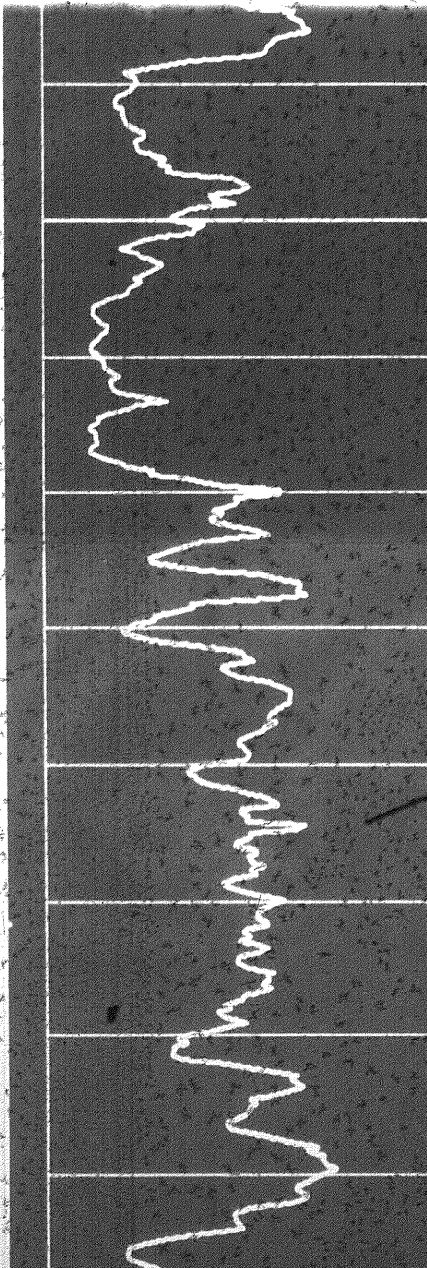
210P



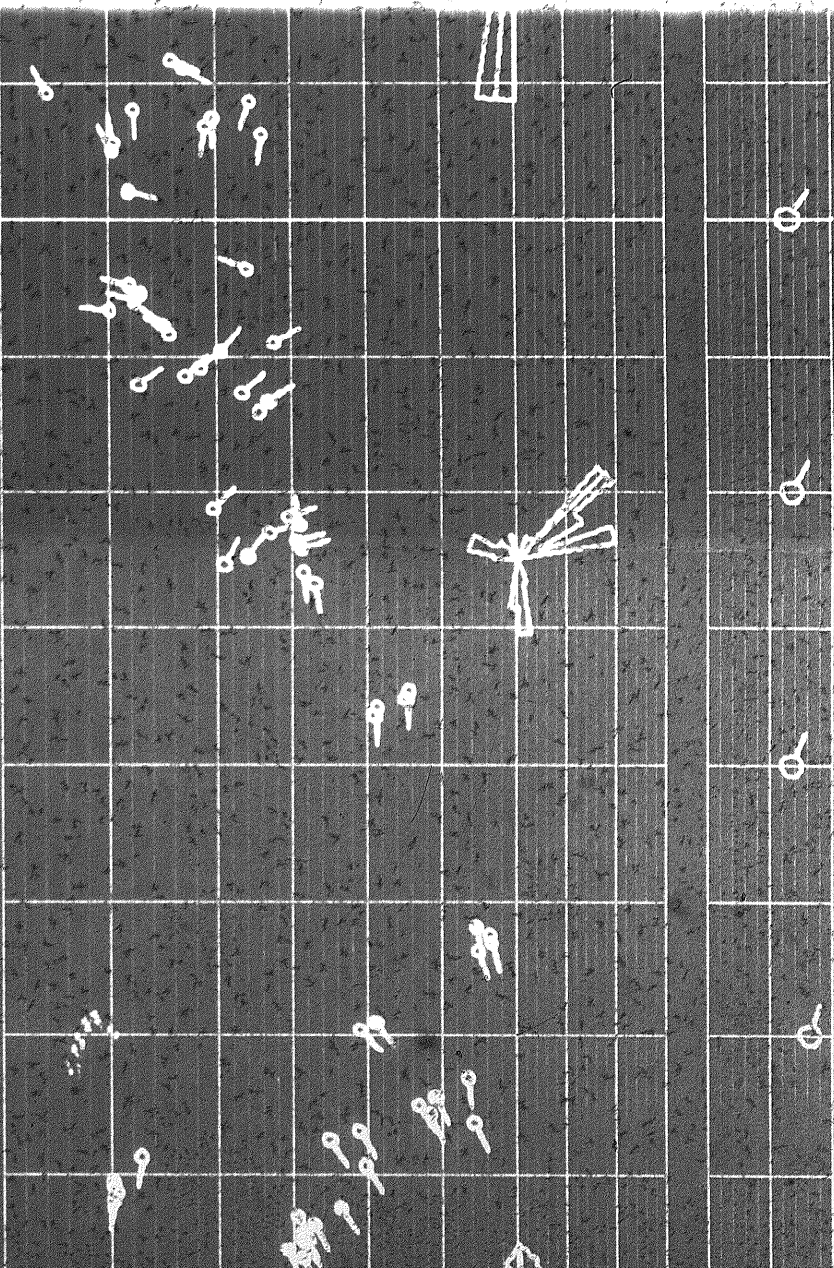
UNITED STATES GOVERNMENT



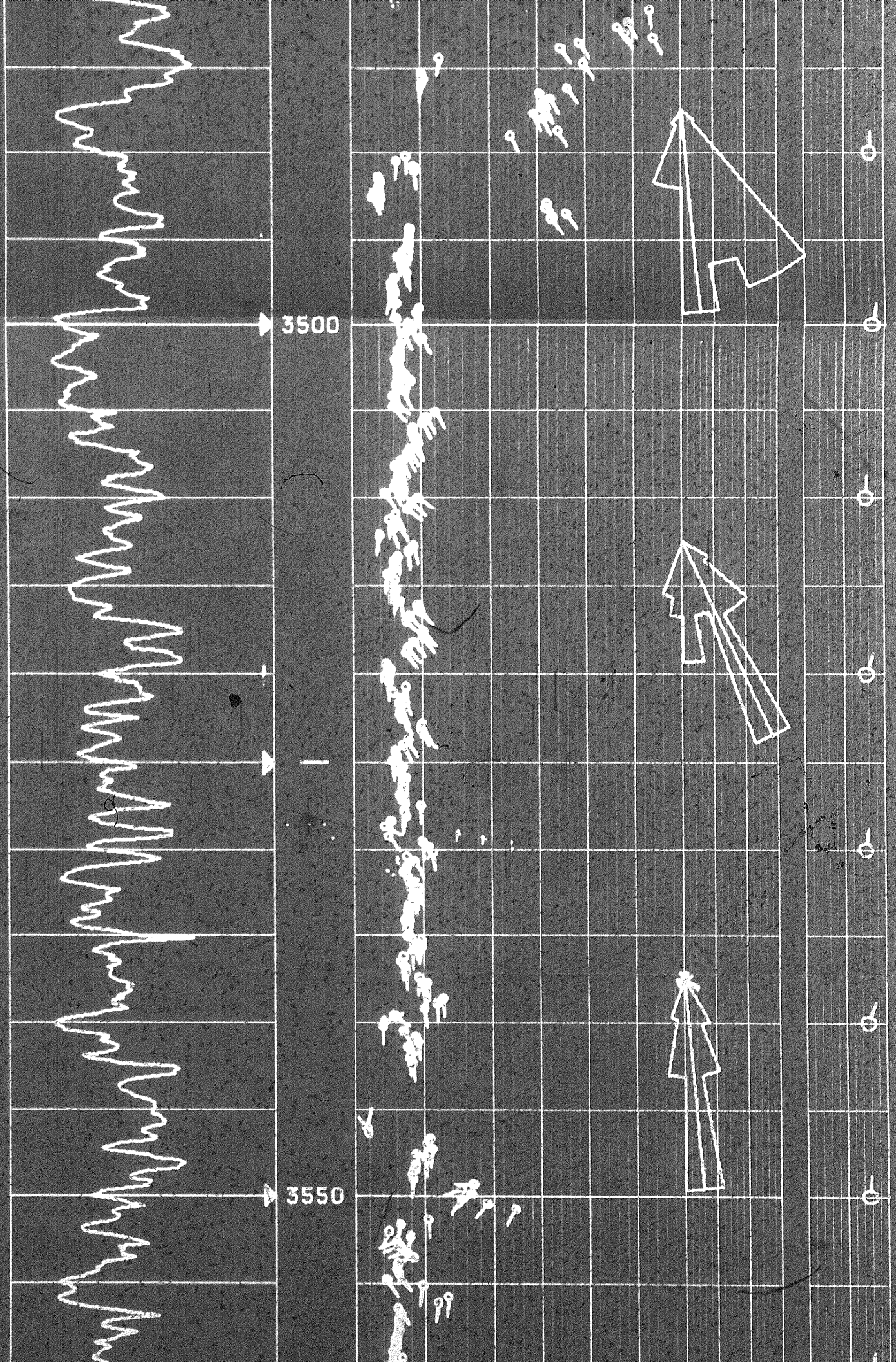
UNITED STATES GOVERNMENT



3450

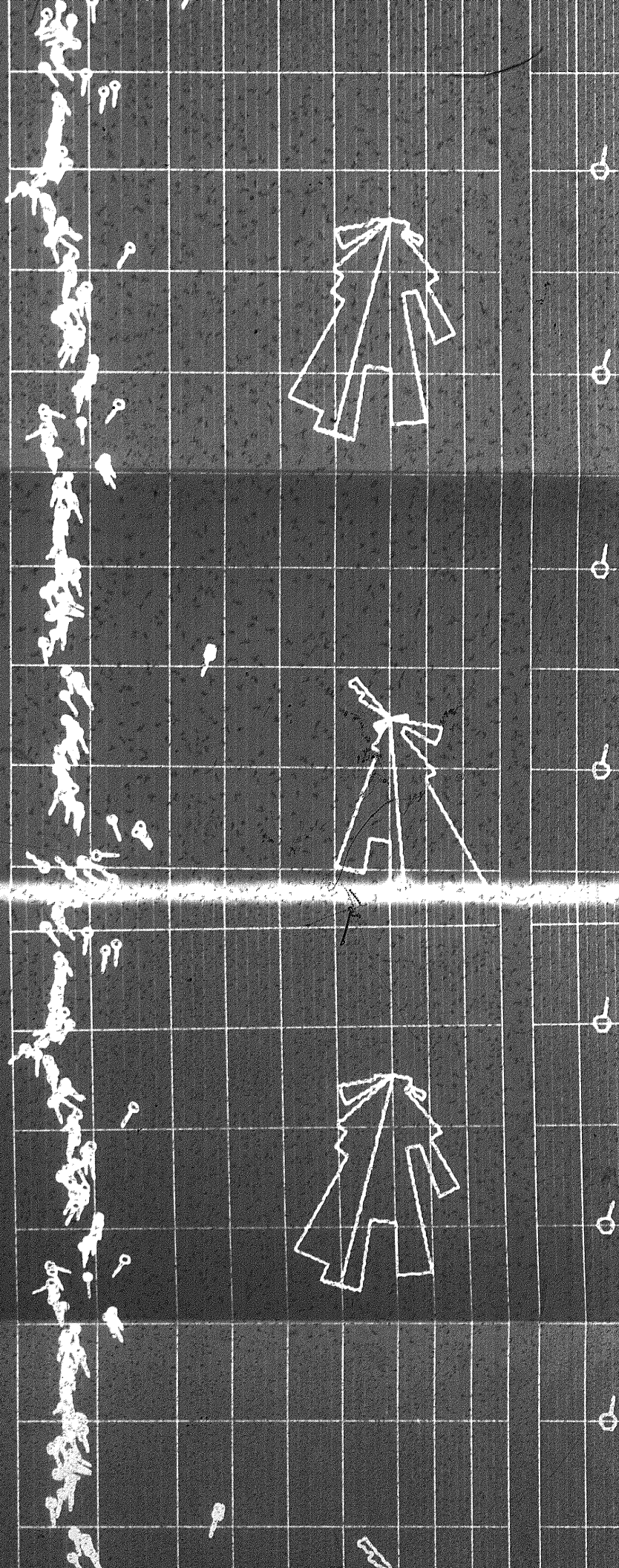
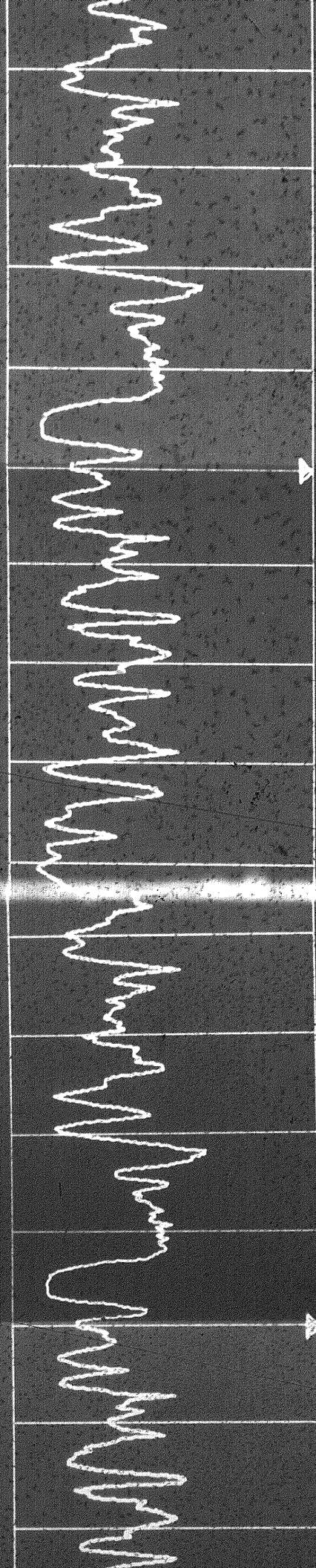


METER REFIN GRID

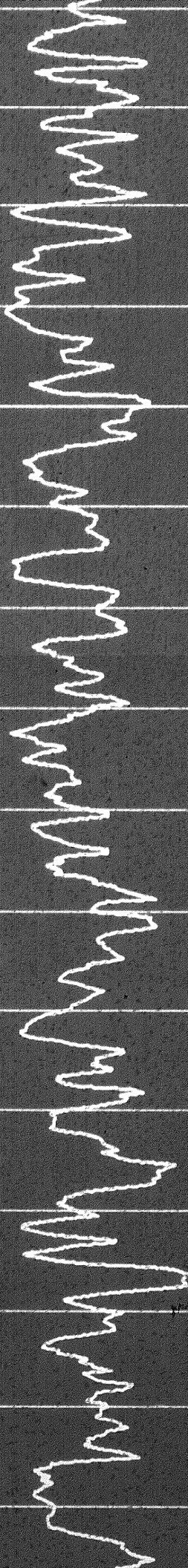


METER .825 IN. GRID

METER .825 IN. GRID

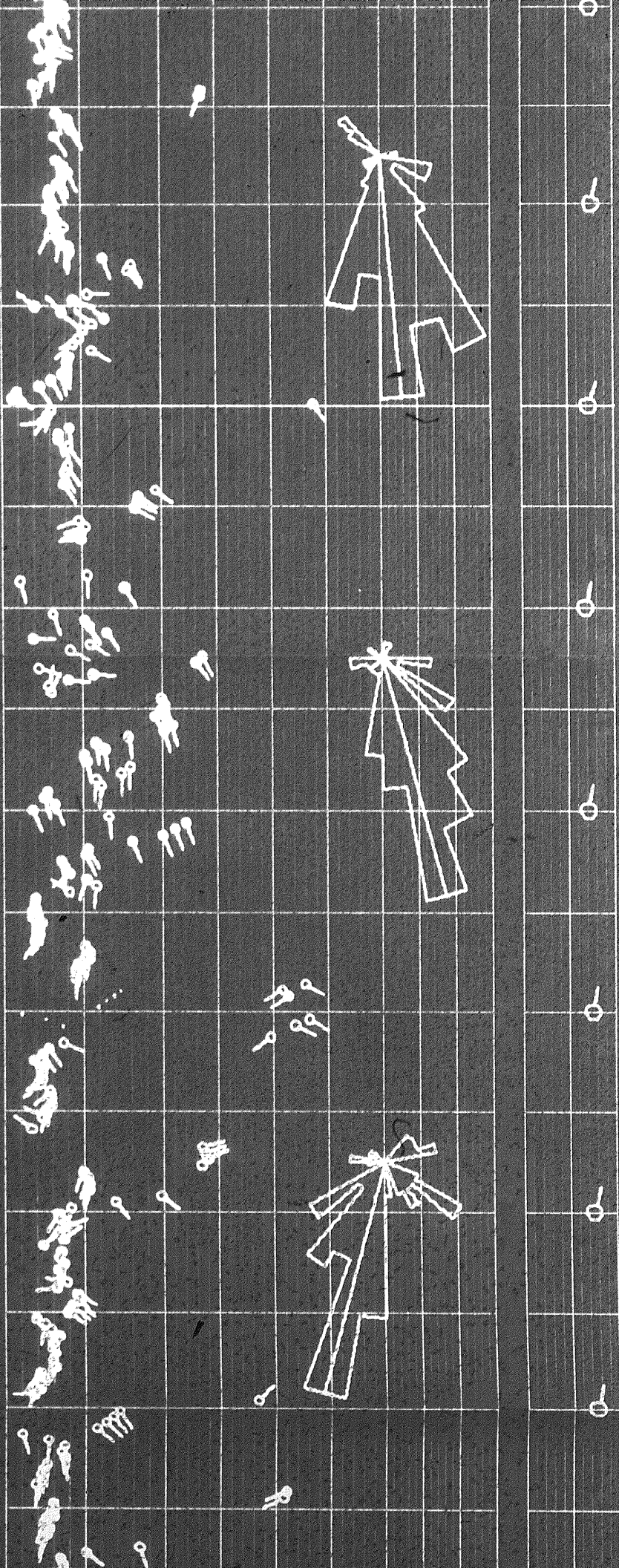


METER 825 IN. GRID



3600

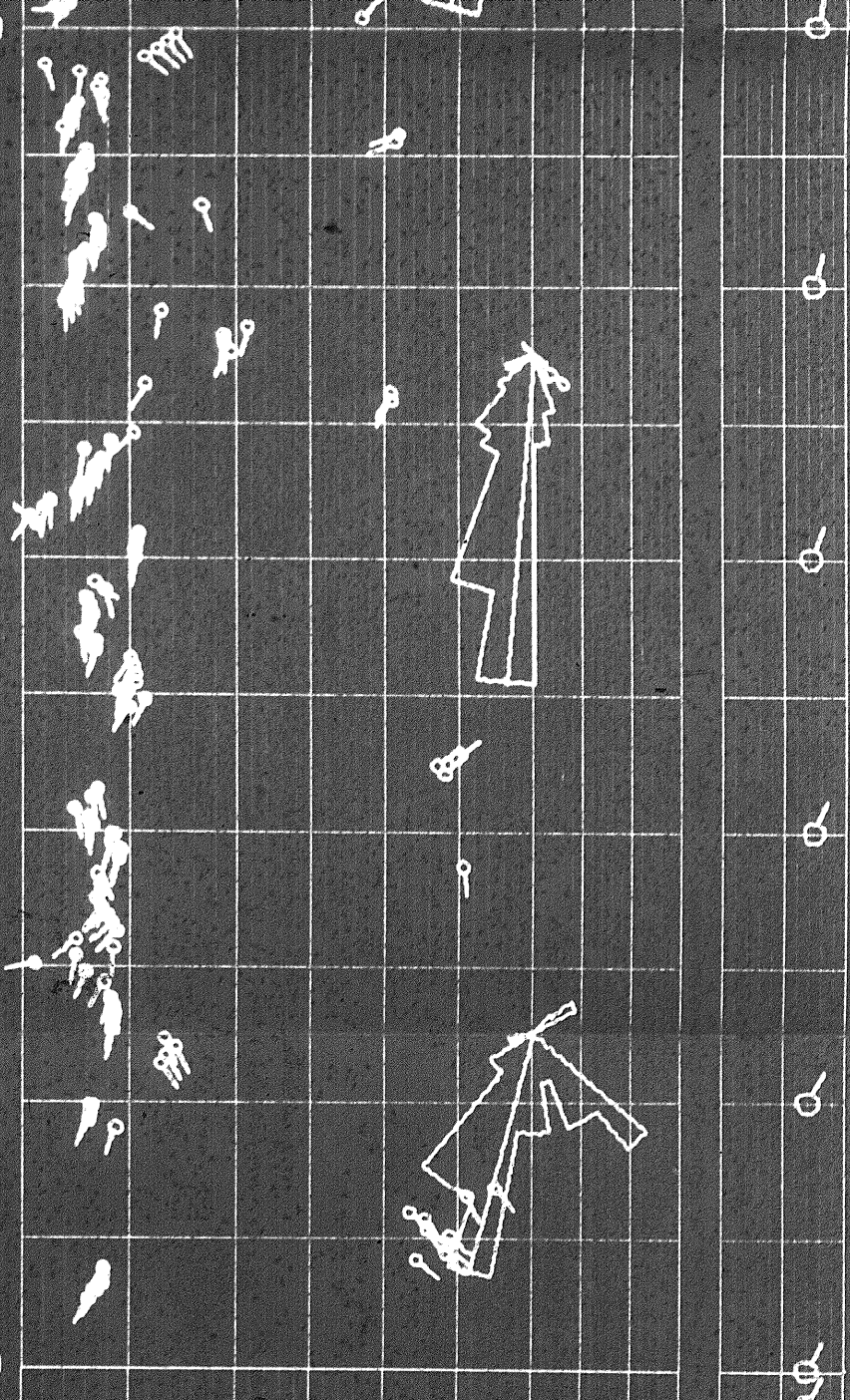
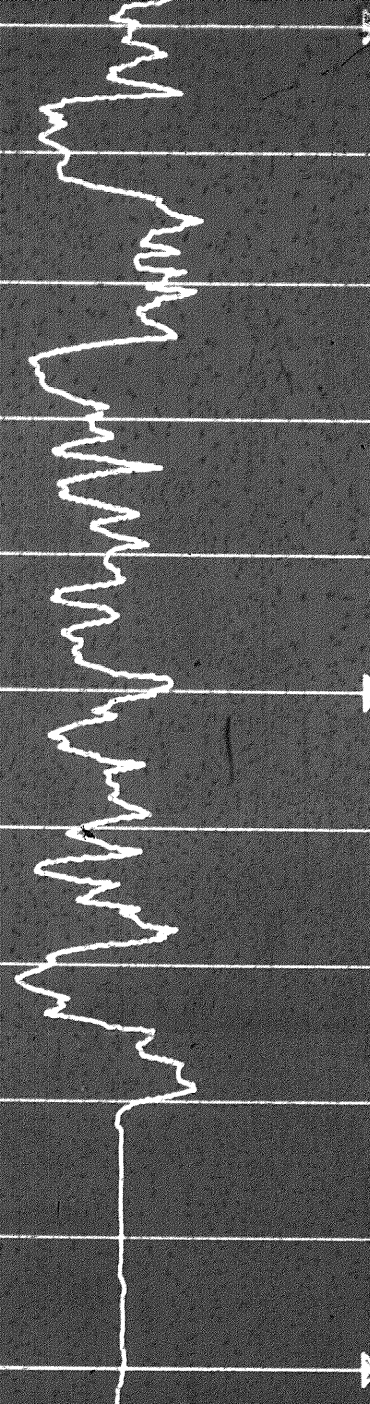
3650



2301

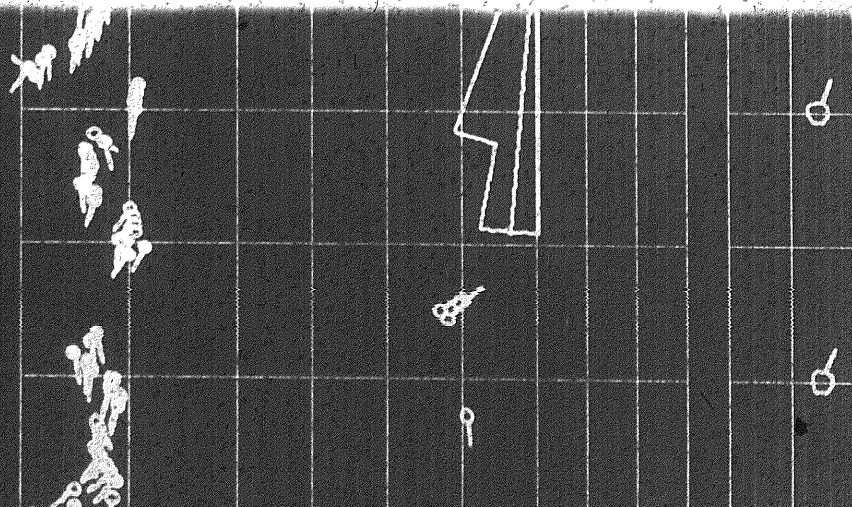
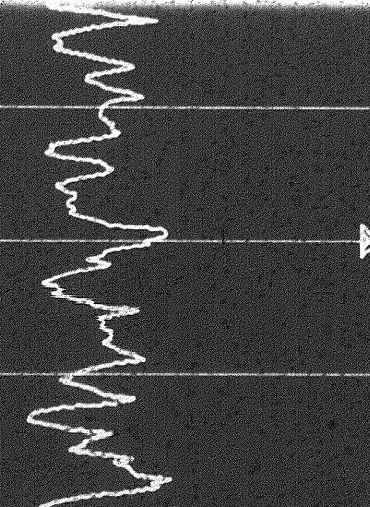
METER .025 IN. GRID

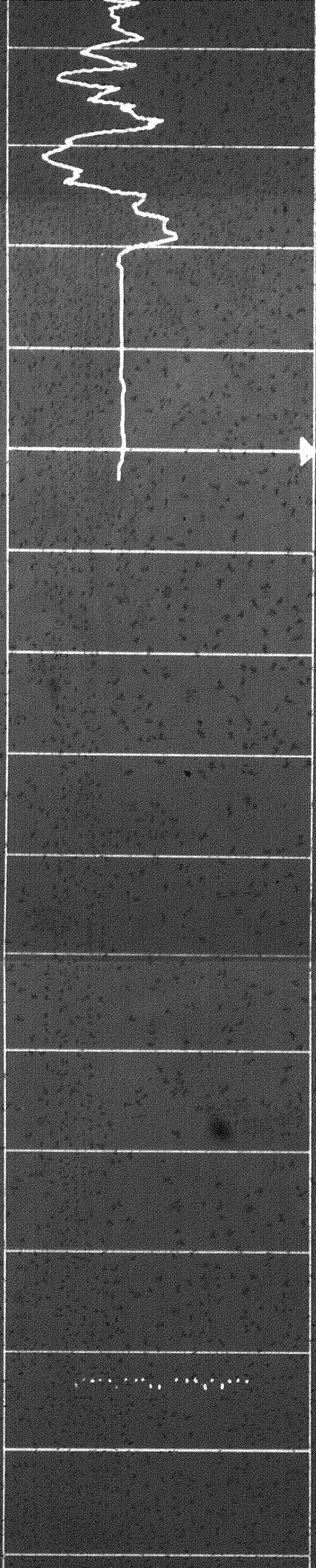
3650



3700

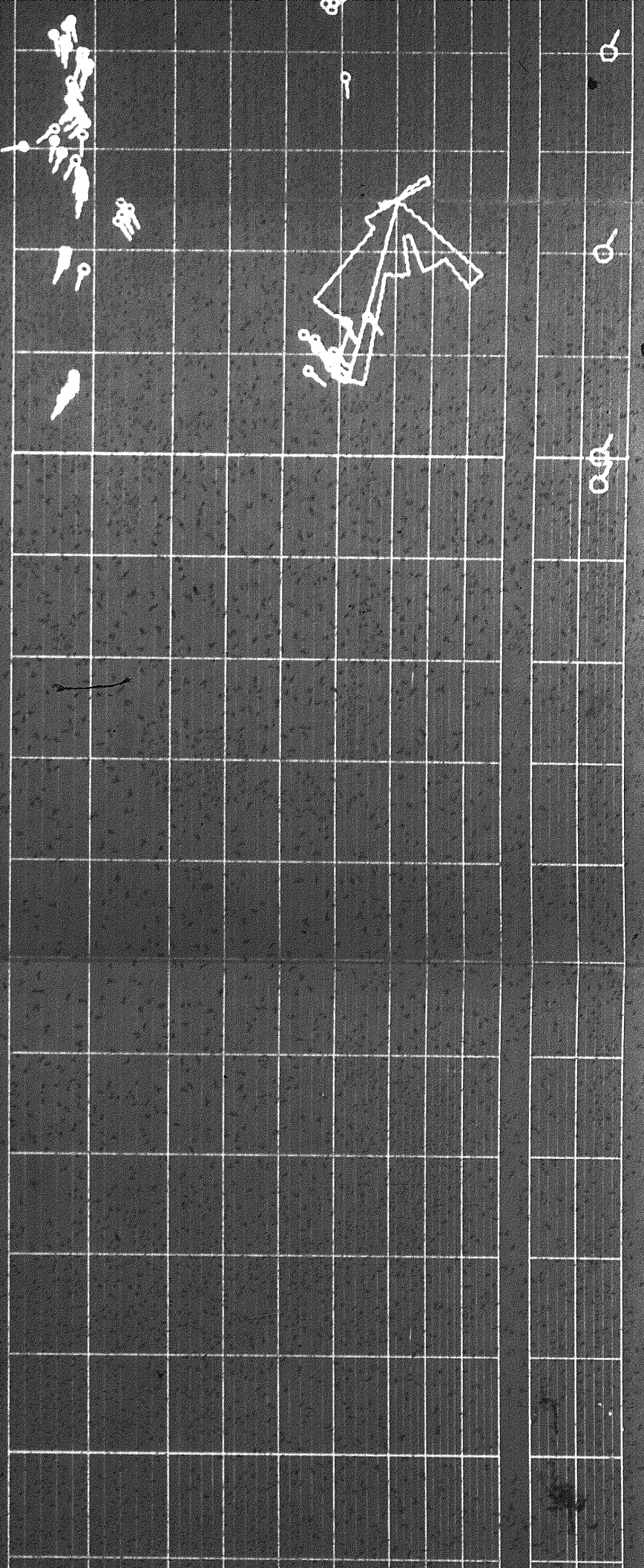
METER .025 IN. GRID





3700

3750



000

0

0

240
-270

3750

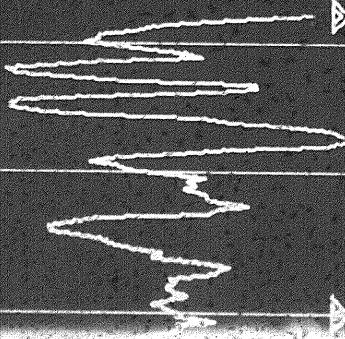
ZONE FROM 3639 TO 3701

RESISTIVITY INCREASES

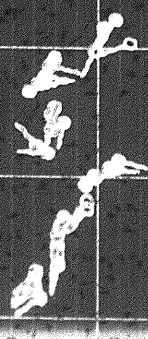


0 10

METER PER IN. GRID

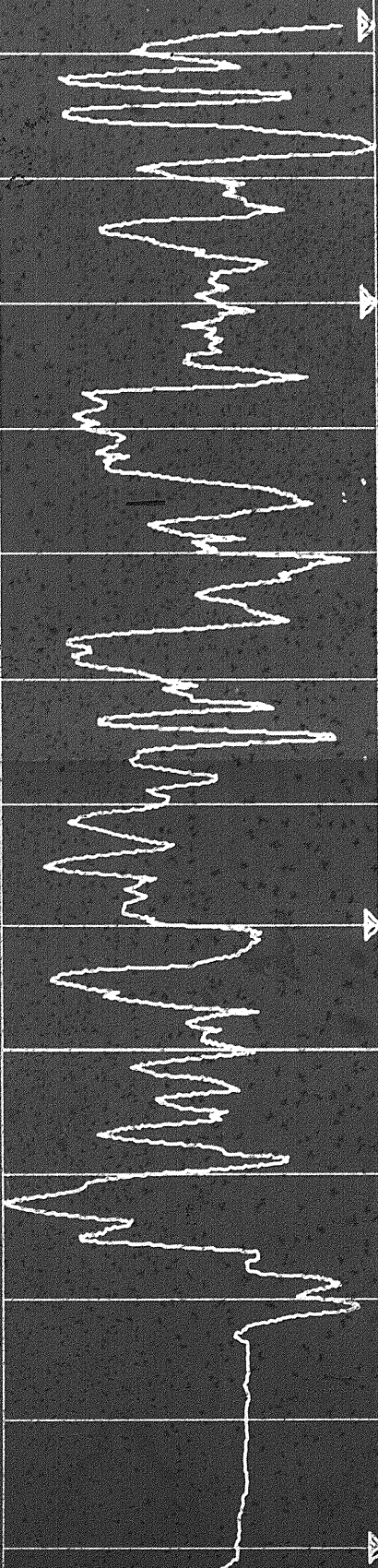


3650



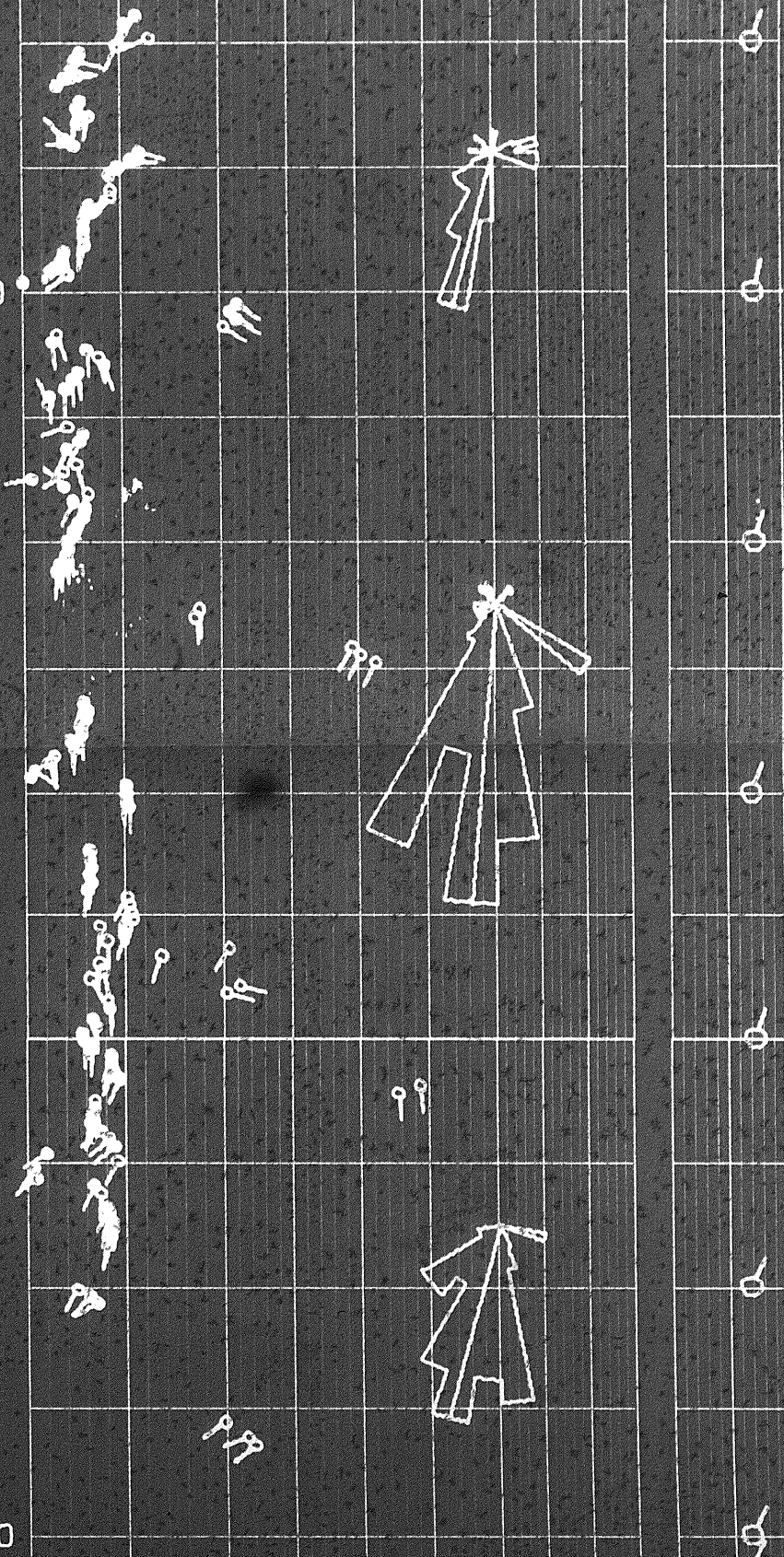
0

0



3650

3700



EXACT RADIUS OF CURVATURE METHOD

BOTTOM HOLE LOCATION

COURSE LENGTH 160.8 METERS

COURSE AZIMUTH 40.0 DEG.

MEASURED DEPTH 3701.4 METERS

TRUE VERTICAL DEPTH 3694.0 METERS

DISTANCE NORTH 123.2 METERS

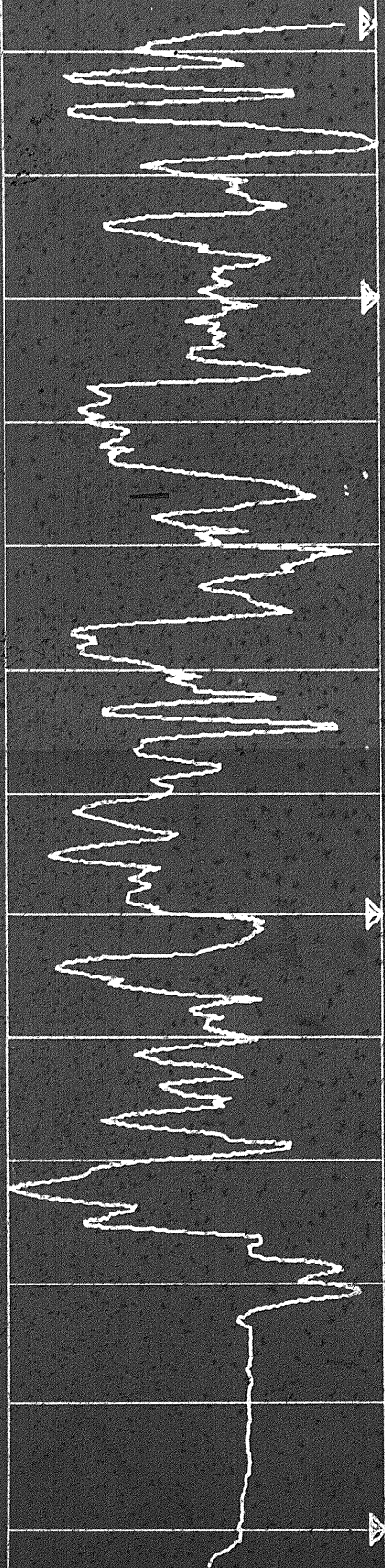
DISTANCE EAST 103.3 METERS

REF 2834

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

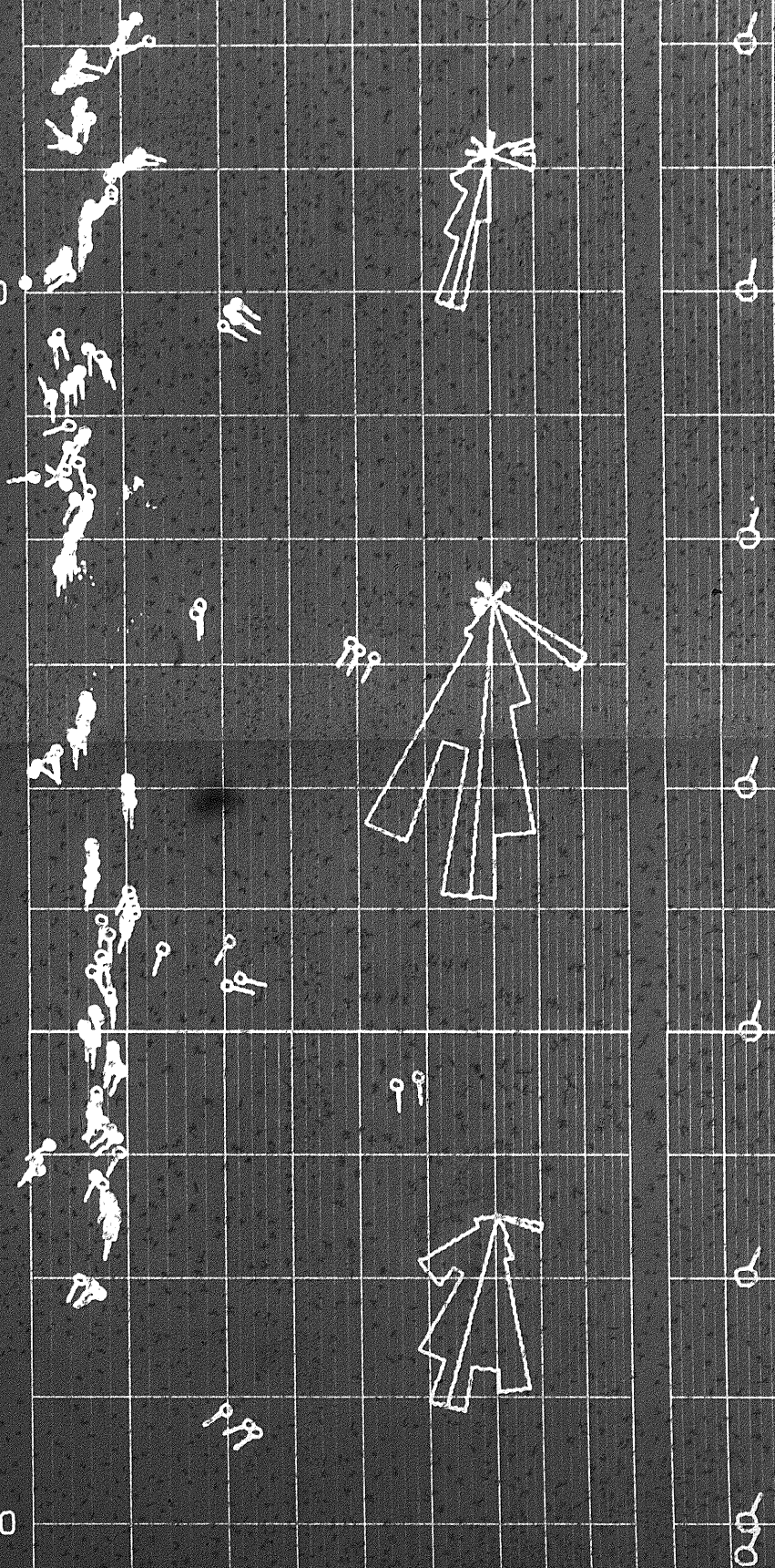
X2017C

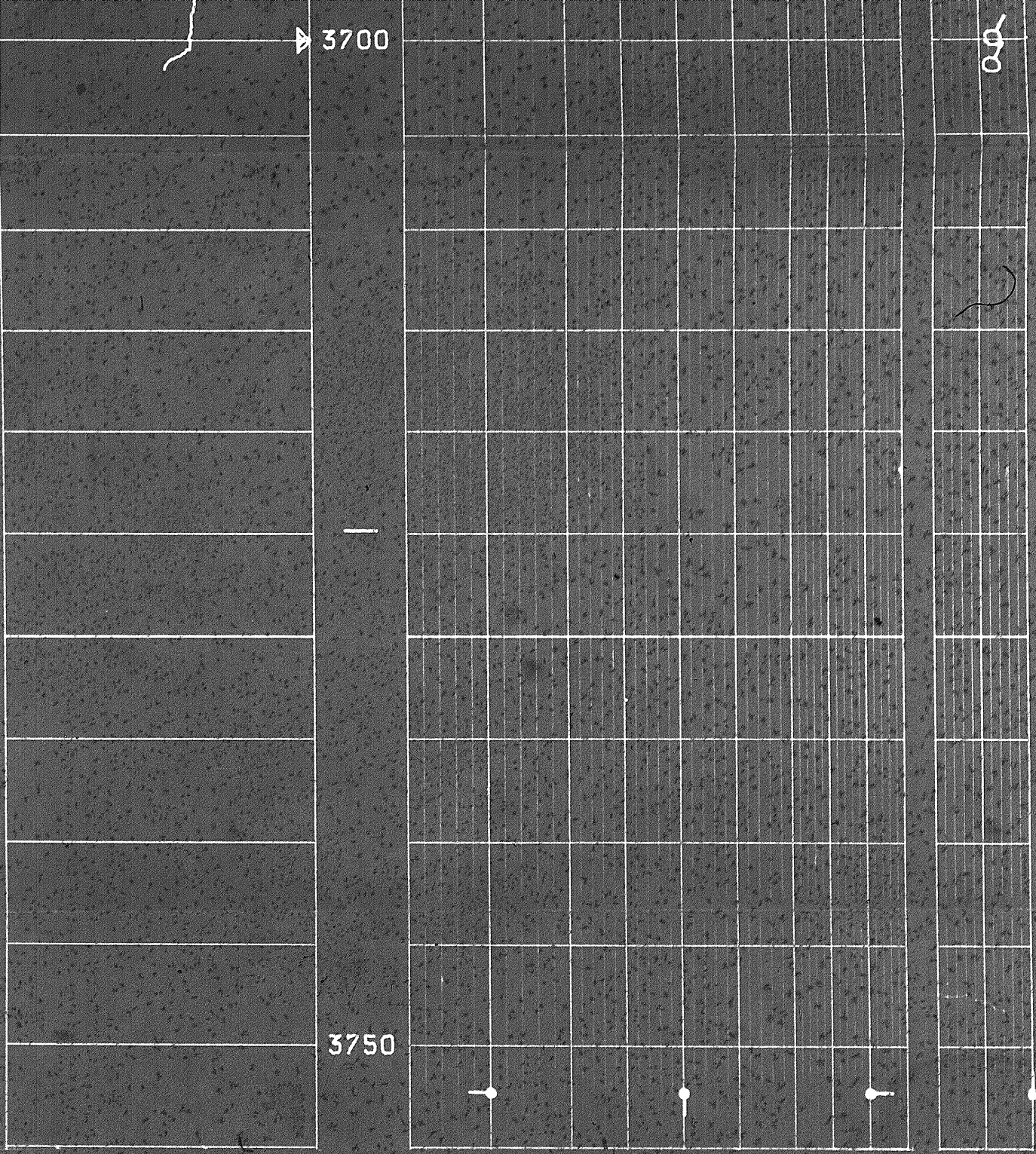
40F-4



3650

3700





CORRELATION CURVE		DEPTH METRES	TRUE DIP ANGLE AND DIRECTION		DRIFT & DIRECTION OF SONDE
COMPANY	AQUITAINE COMPANY OF CANADA LTD		SCHL. FR	3692	m
WELL	AQUIT ALDER YT C-33		SCHL. TD	3692	m
FIELD	WILDCAT		DRLR. TD	3714	m
PROVINCE	YUKON		Elev.:	KB 530.0	m
				DF	m
				GL	523.6 m

X2103A