

SIMULTANEOUS COMPENSATED NEUTRON- FORMATION DENSITY

COUNTY FIELD LOCATION WELL COMPANY

COMPANY Sun Production Division
Sun Exploration and Production Co.
 WELL Chaves "A" Fed. No. 3
 FIELD Indeskratedo Abo
 COUNTY Chaves STATE New Mexico

LOCATION 660' FVL & 660' FVL

DATE 21 7-5 TIME 26-E

Other Services:
DLL / MSEL

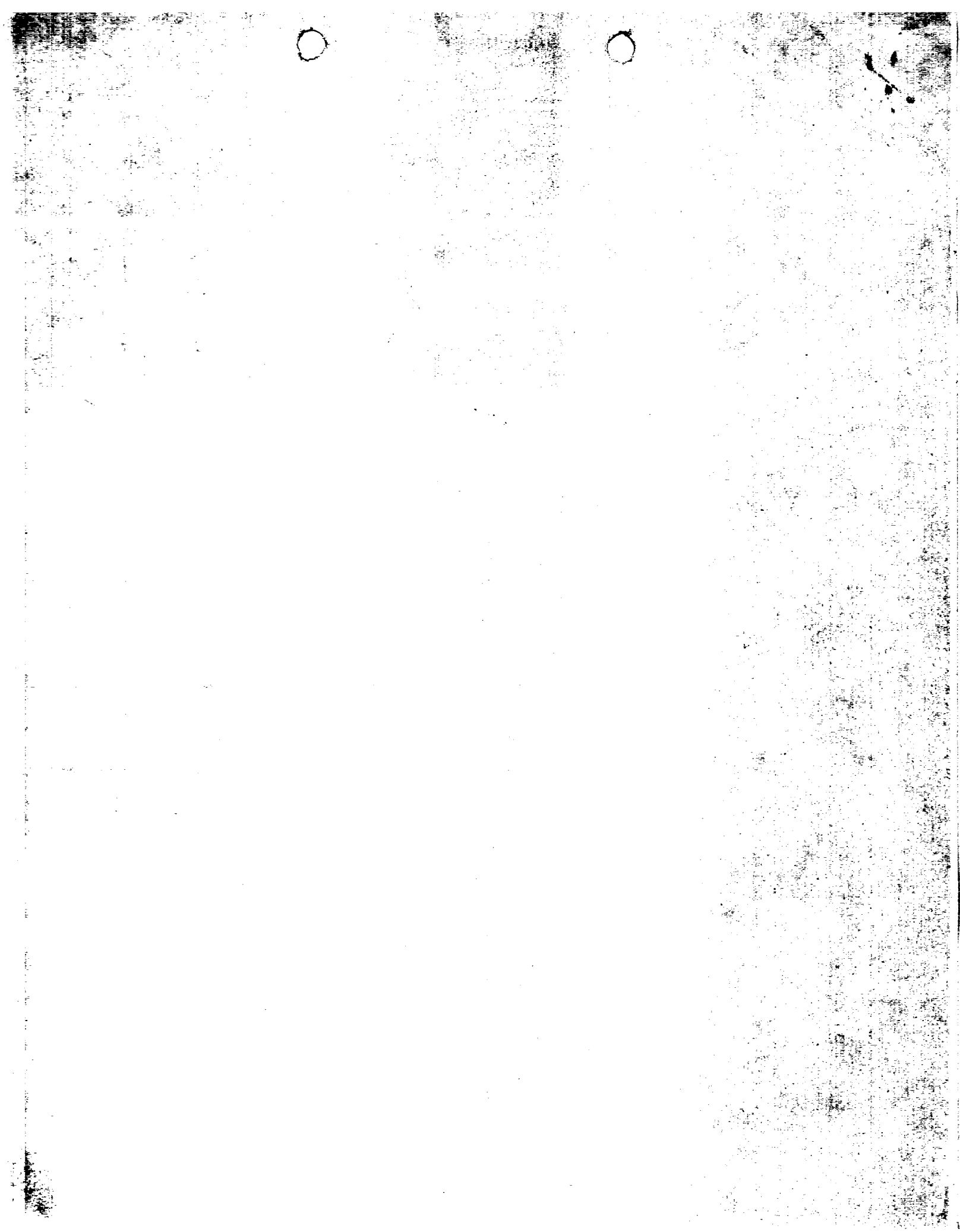
Permanent Datum: Ground Level Elev. 3624

Log Measured From K.B. 1 Ft. Above Perm. Datum

Drilling Measured From Kelly Bushing

Elev.: K.B. 3633
 D.F. -
 G.L. 3624

Date	<u>5-11-82</u>				
Run No.	<u>ONE</u>				
Depth- Driller	<u>5197</u>				
Depth- Logger	<u>5193</u>				
Btm. Log Interval	<u>5190</u>				
Top Log Interval	<u>1600</u>				
Casing- Driller	<u>245 @ 1600</u>				
Casing- Logger	<u>1600</u>				
Bit Size	<u>1 7/8</u>				
Type Fluid in Hole	<u>Salt Mud w/ 5% 500</u>				
Dens. Visc	<u>10.4</u>	<u>45</u>			
pH Fluid Loss	<u>9.5</u>	<u>6.0</u>	ml	ml	ml
Source of Sample	<u>Flow line</u>				
Rm. Meas. Temp.	<u>053</u>	<u>85</u>	F	F	F
Rmc. Meas. Temp.	-	-	F	F	F
Rmc. Meas. Temp.	-	-	F	F	F
Source of Sample	-	-	-	-	-
Sp. Gr.	<u>245</u>	<u>100</u>	F	F	F
Sp. Gr.	<u>1900</u>				
Sp. Gr.	<u>5</u>	<u>30</u>	F	F	F
Sp. Gr.	<u>3191</u>	<u>Rowell</u>			
Sp. Gr.	<u>Jensen</u>				
Sp. Gr.	<u>W. A. Saiter</u>				

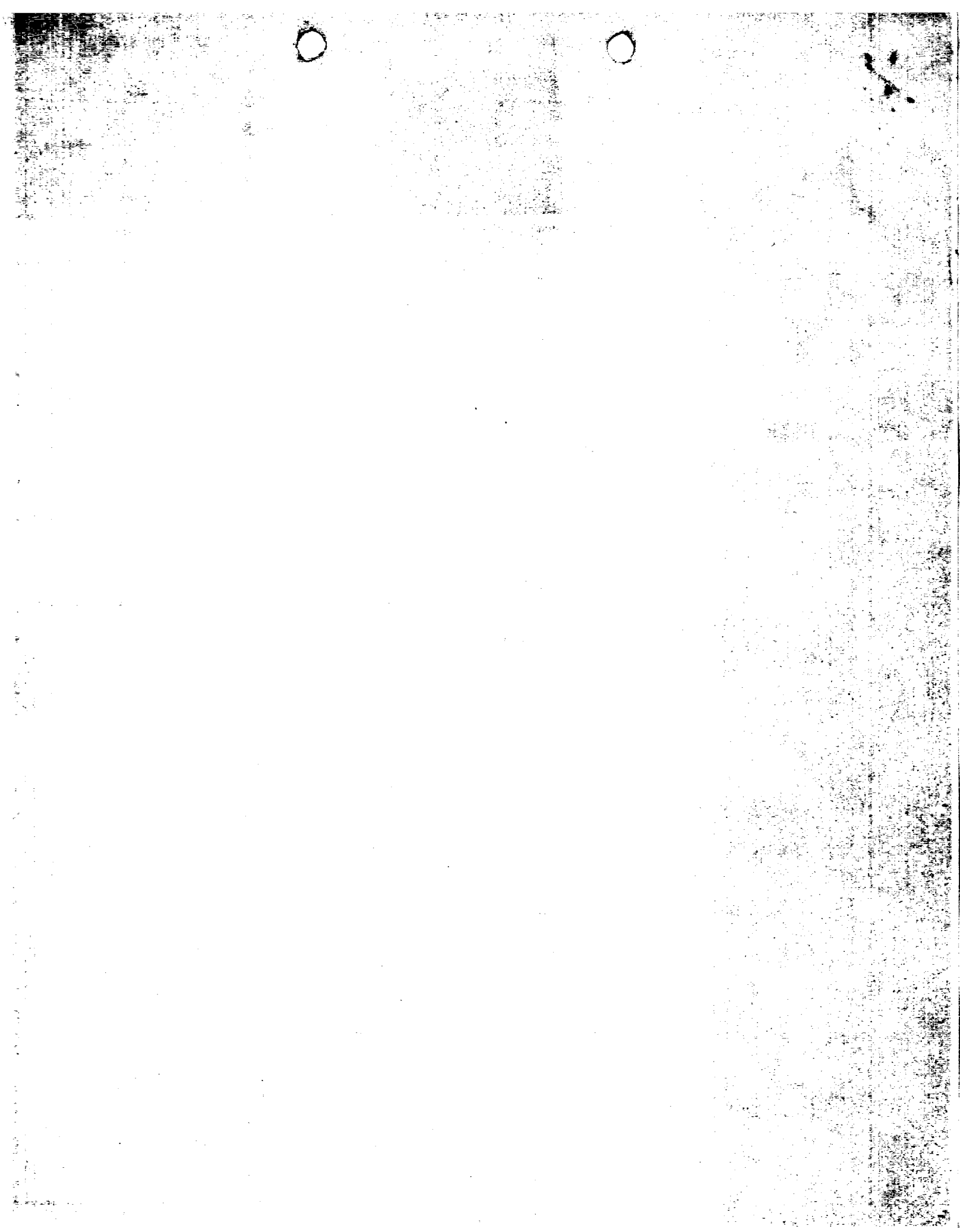


RUN NO.	ONE								
Service Order No.	306841								
Fluid Level	10.7								
Salinity, PPM CL.	154,000								
Speed - F.P.M.	30								

EQUIPMENT DATA									
Dens. Panel	*	482							
Dens. Cart.		513							
Dens. Skid.		1327							
Dens. Sonde		487							
Dens. Source		6305							
Dens. Calibrator		524							
Neut. Panel	*	482							
Neut. Cart.		1622							
Neut. Source		1585							
Neut. Calibrator		2160							
GR Cart.		2326							
Memorizer Panel	*	445							
Tape Recorder (TTR)	*	938							
Depth Encoder (DRE)		104-051							
Pressure Wheel (CPW)		—							
Centralizers:									
Enter Spring,									
Standoffs,									
In-line, or None									
S. O. - Inches		ONE							

CALIBRATION DATA									
GR	BKG. CPS	36 API							
	Source CPS	177 API							
	Sens. - Cal	165 API							
	T. C. - Cal	OK = 1							
	Short Spacing - Before Log	2922							
	Long Spacing - Before Log	1269							
	Short Spacing - After Log	2916							
	Long Spacing - After Log	1265							
	P1 - Before Log	491							
	P2 - Before Log	809.5							
	P1 - After Log	492							
	P2 - After Log	777							

REMARKS:									
* Indicates CSU Equipment									
Crew: Steen									
Mag. 11									



LOGGING DAIA

[illegible]

All interpretations are opinions based on inferences from electrical or other measurements and we cannot, and do not guarantee the accuracy or correctness of any interpretations, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, damages or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees. These interpretations are also subject to our General Terms and Conditions as set out in our current Price Schedule

AFTER SURVEY TOOL CHECK SUMMARY

PERFORMED: 82/05/10
PROGRAM FILE: ISN (VERSION 20.2 81/ 1/30)

CNTA

TOOL CHECK

515

BEFORE	AFTER
2.152	2.154

TRAIT

POROSITY CHANGE (LIME): 0.000

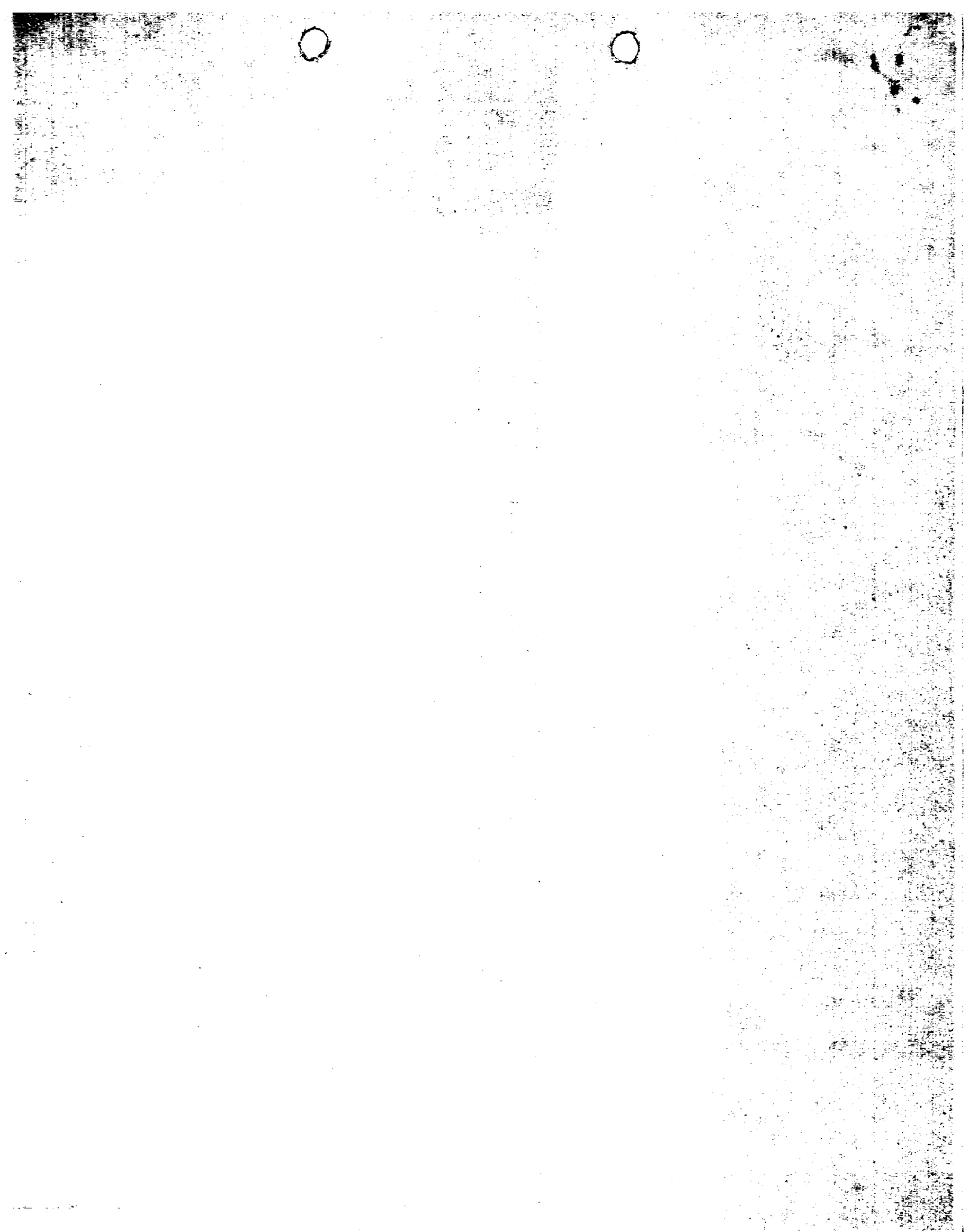
PGTK

TOOL CHECK

JIG

BEFORE **AFTER**

UNITS



CS

3713

525

CS

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CHANGED PARAMETERS

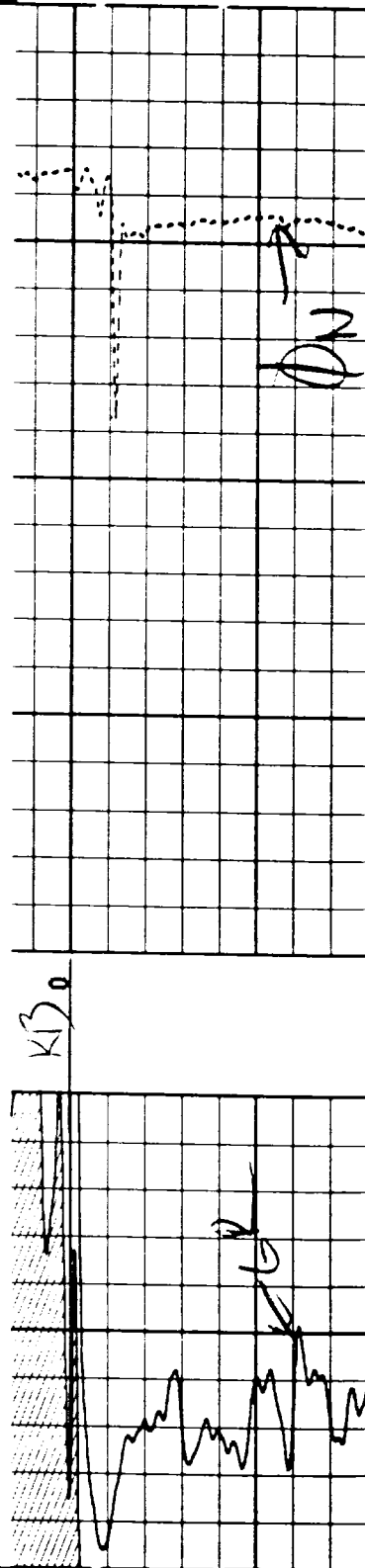
NAME	VALUE	UNIT	NAME	VALUE	UNIT
BHS	CASE		HC	BS	

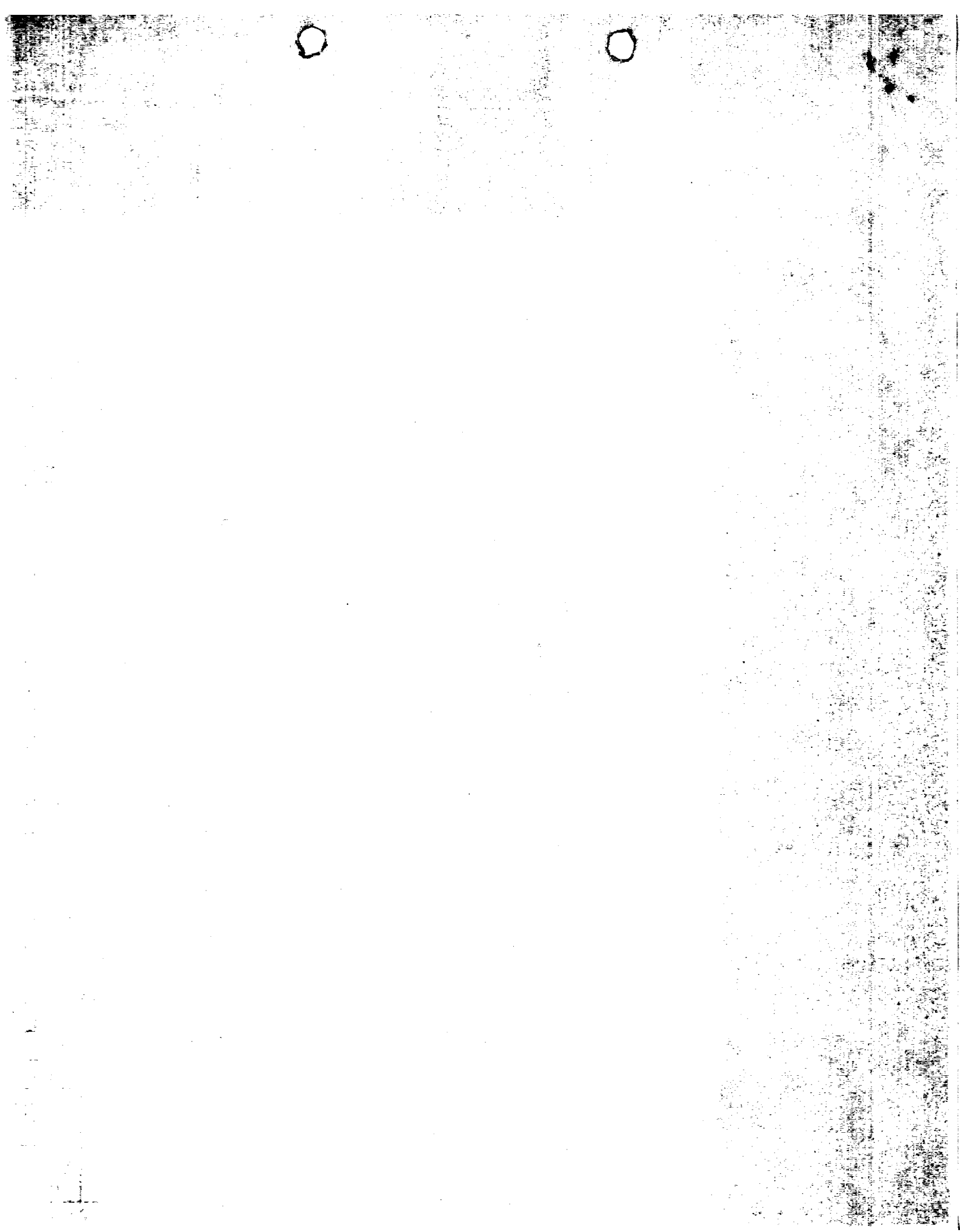
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100.0	200.0	
GR <GAPI>		
0.0	100.0	
		0.3000
		-0.100

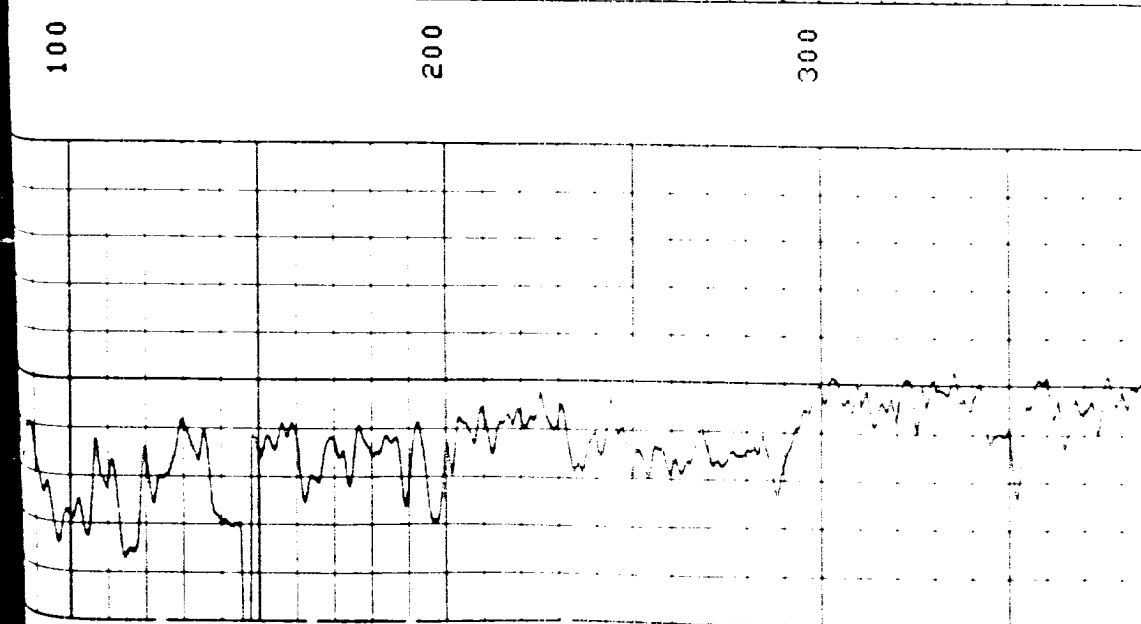
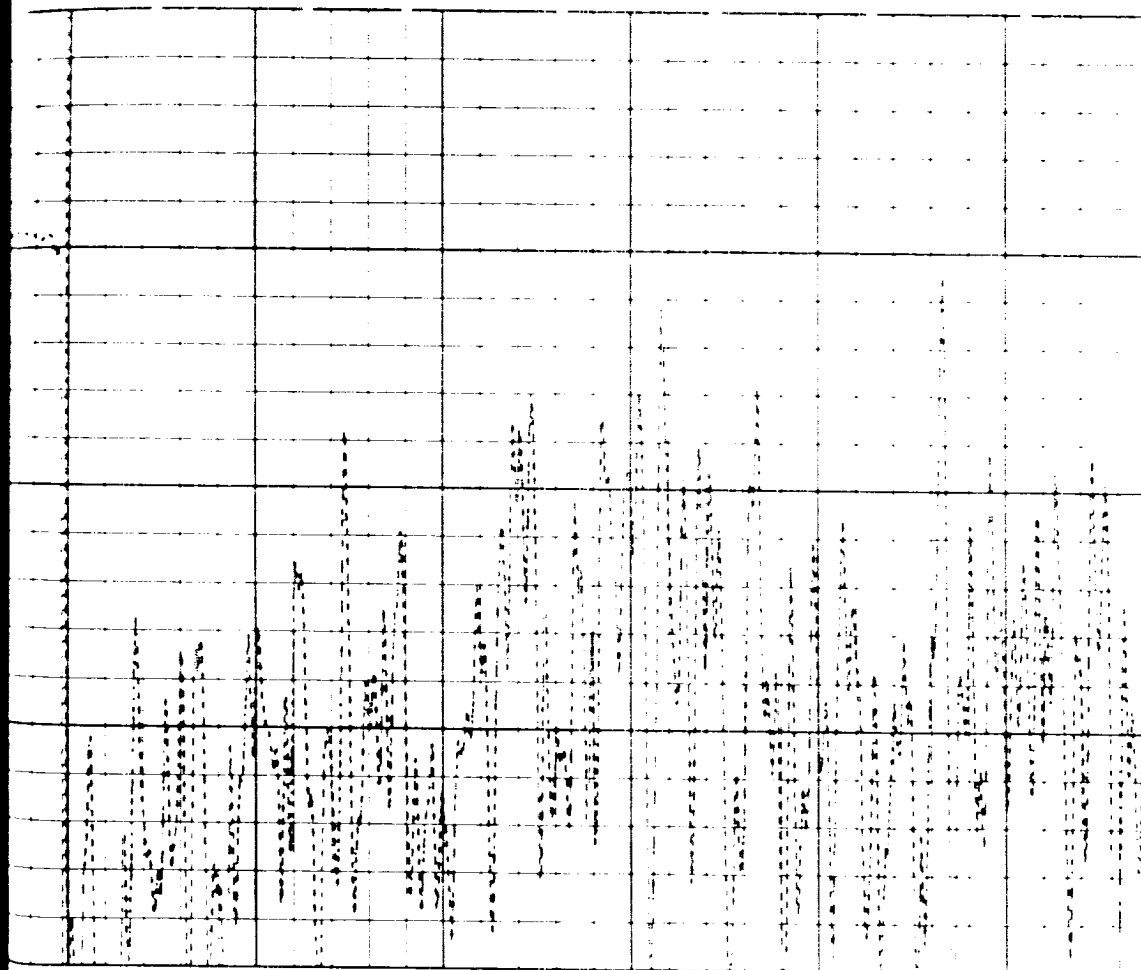
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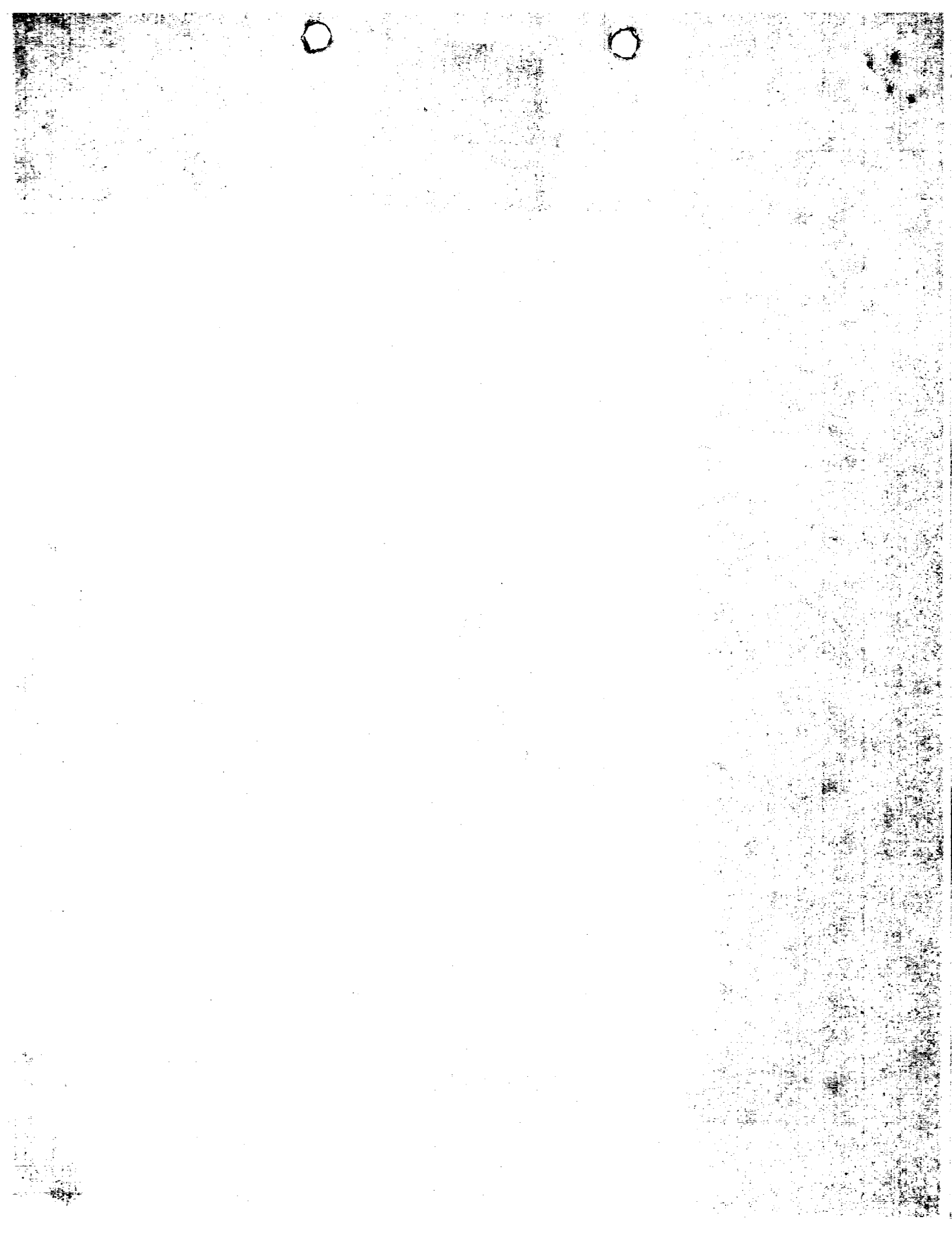
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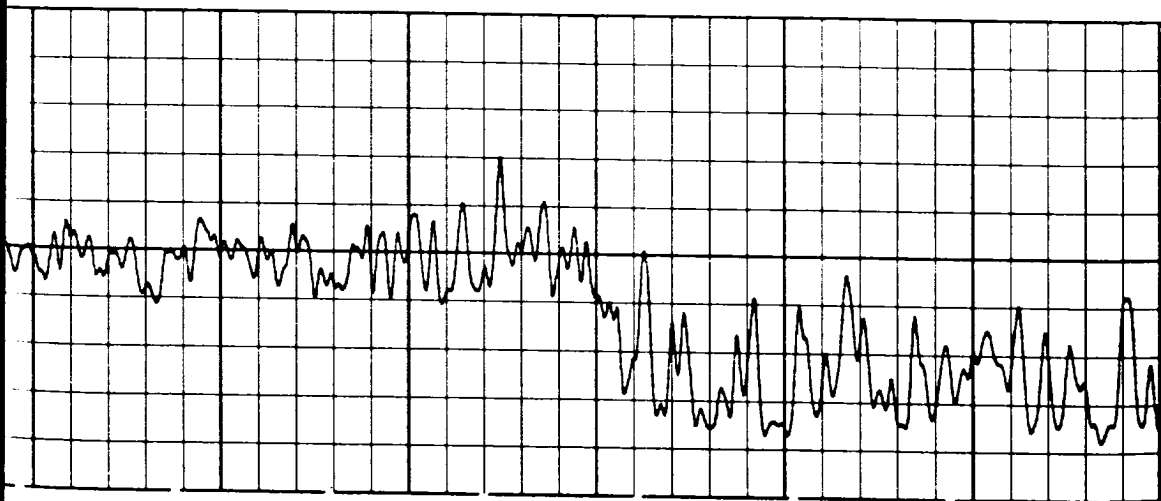
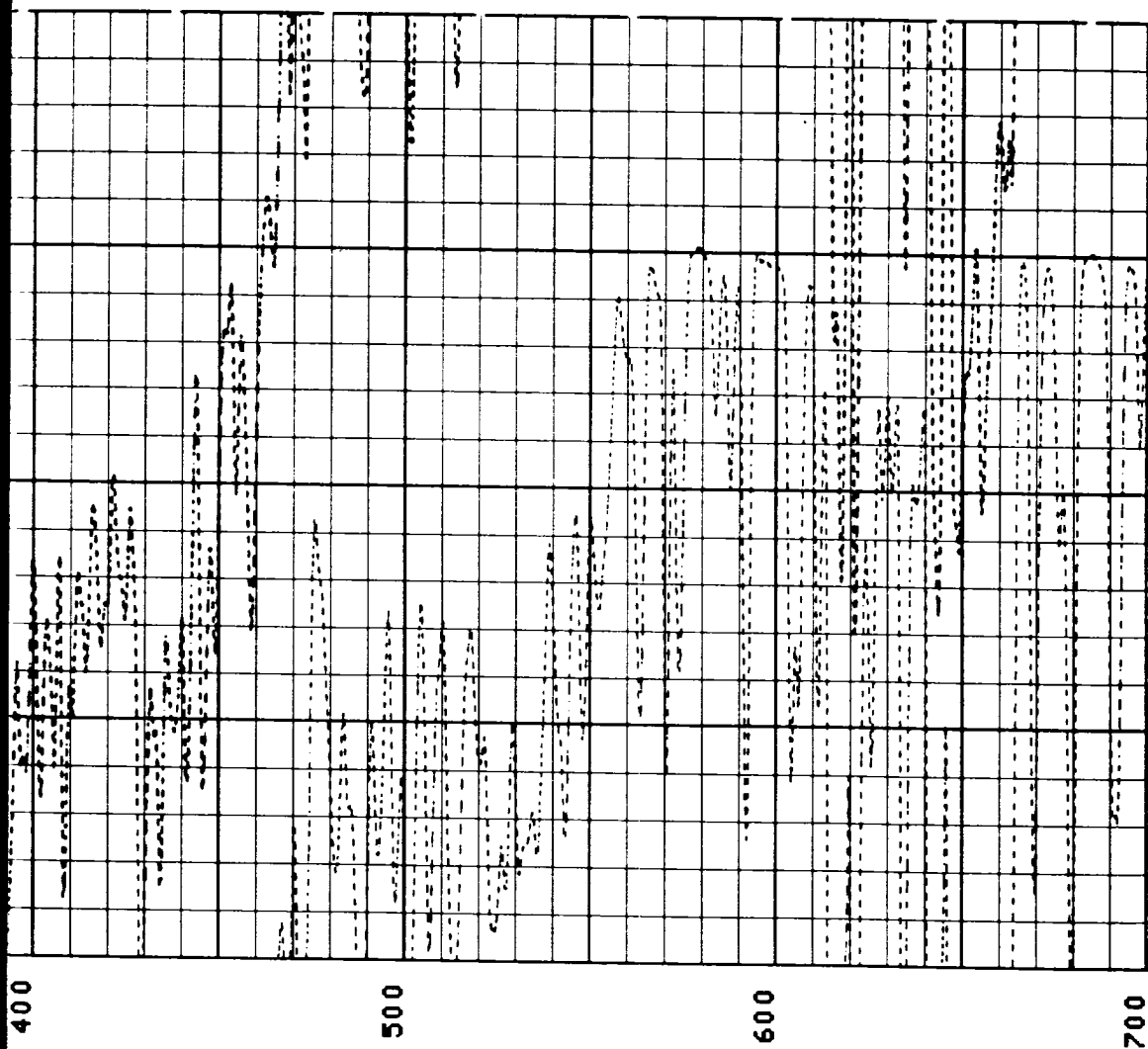
Correlation Log

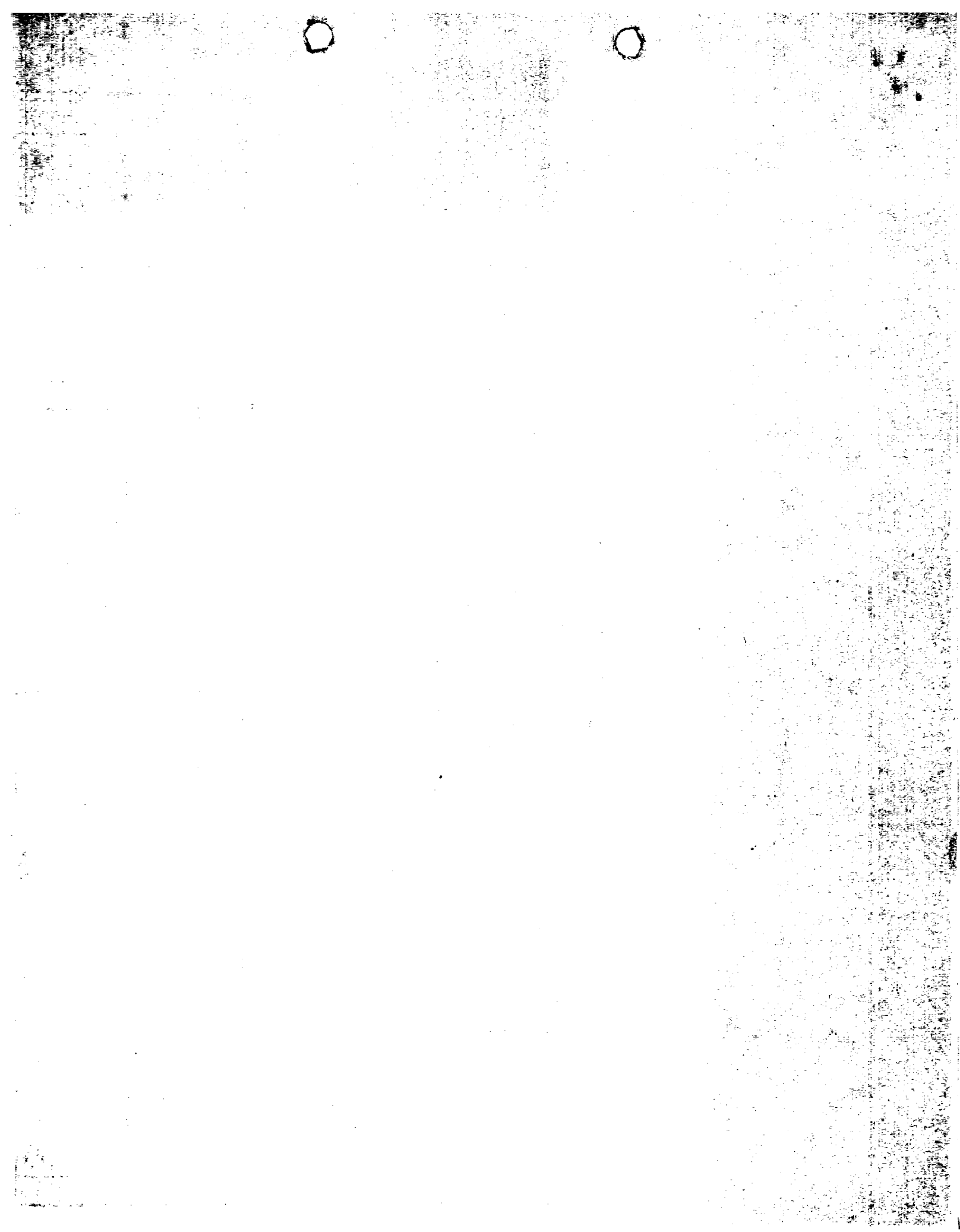


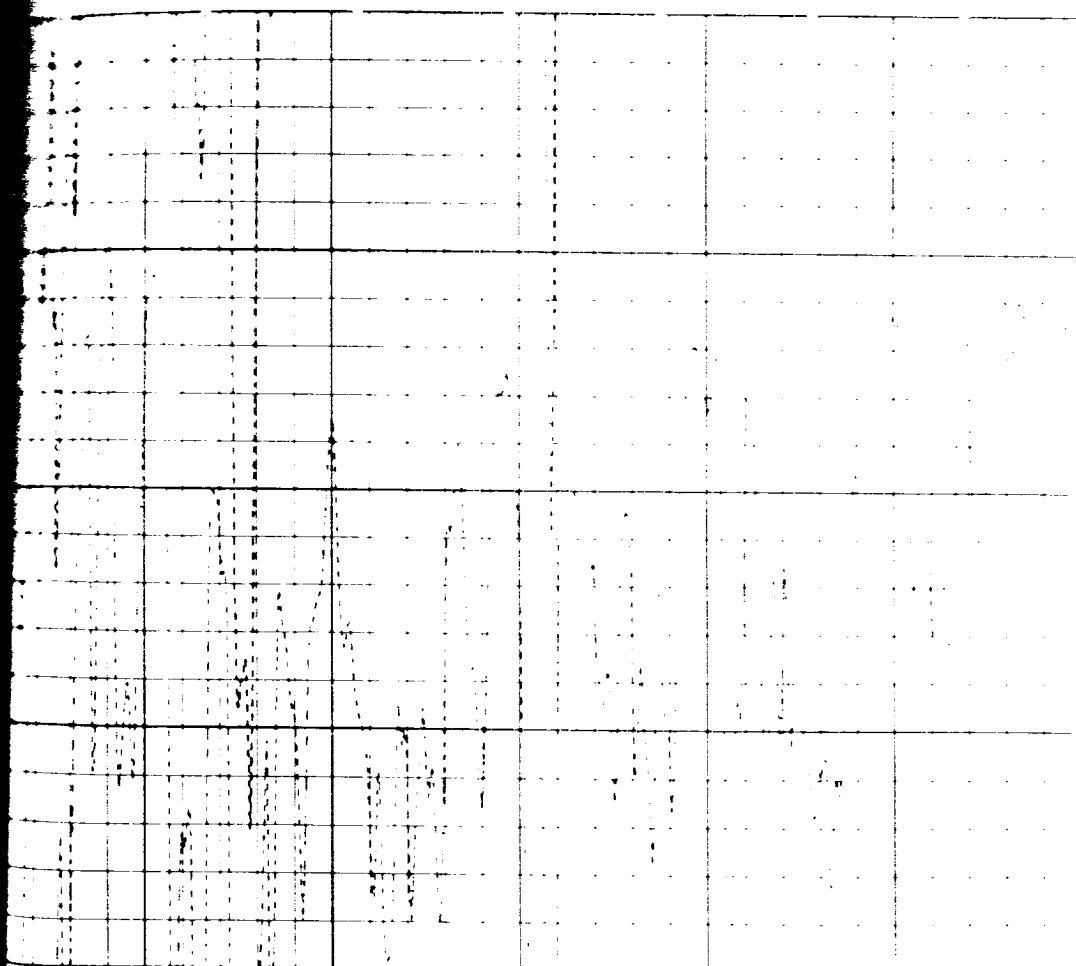








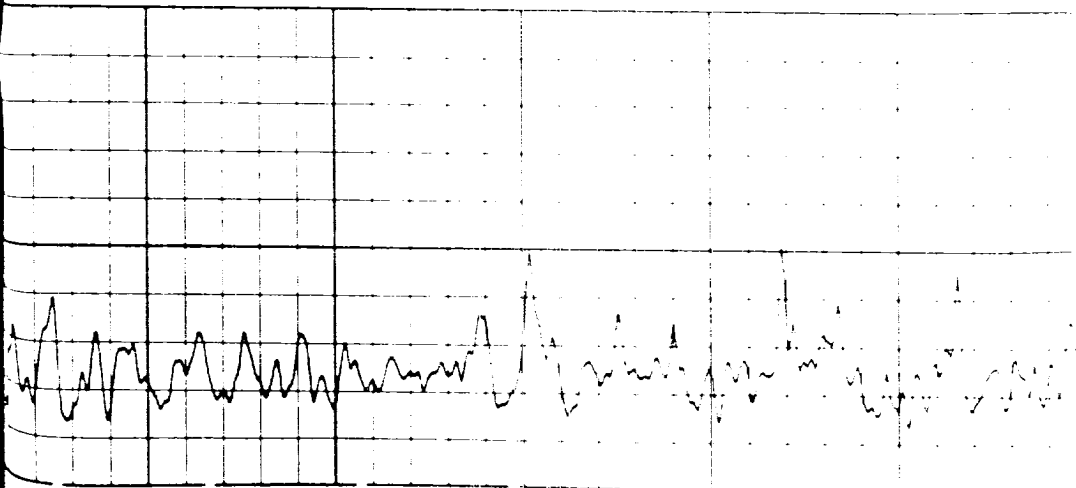


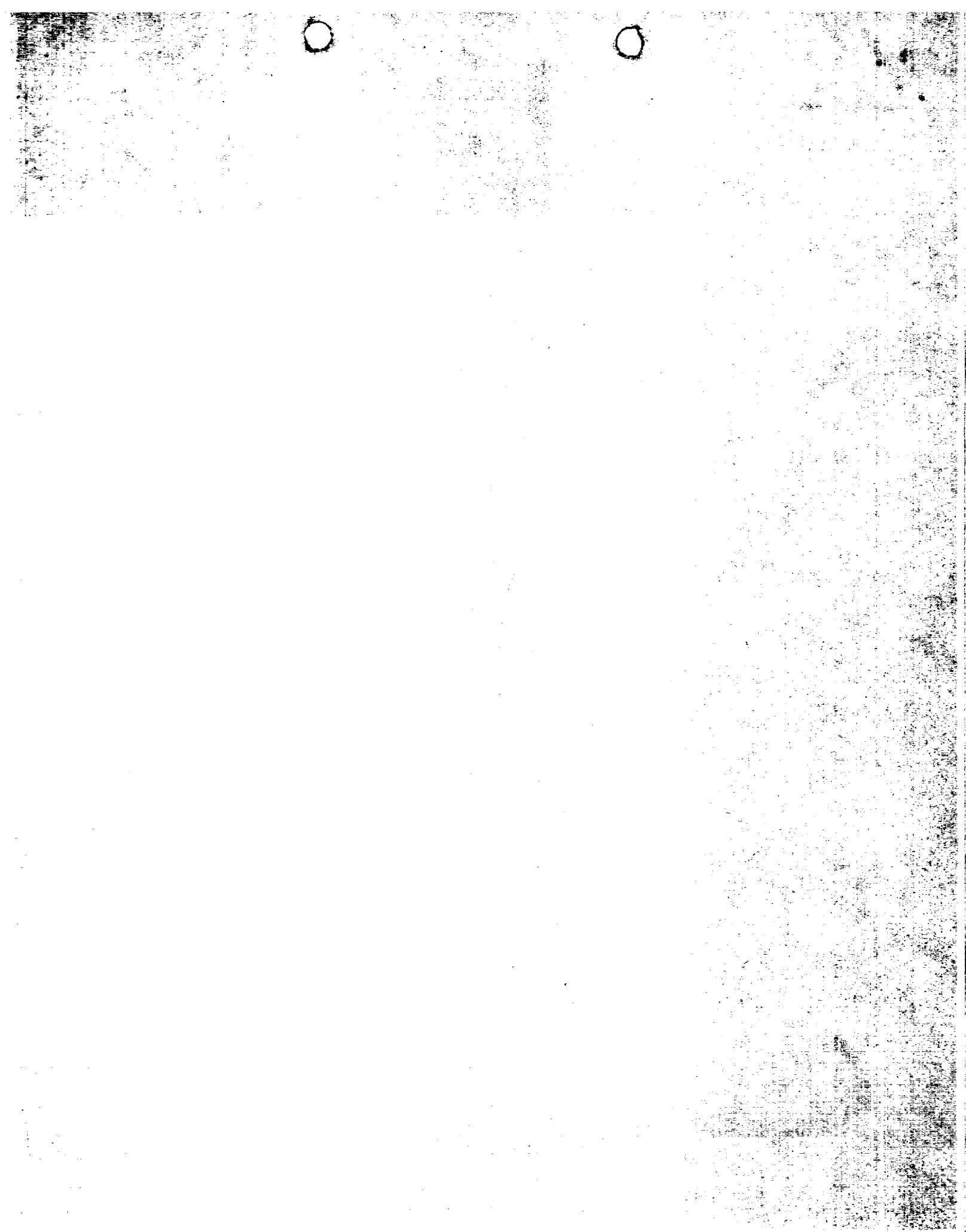


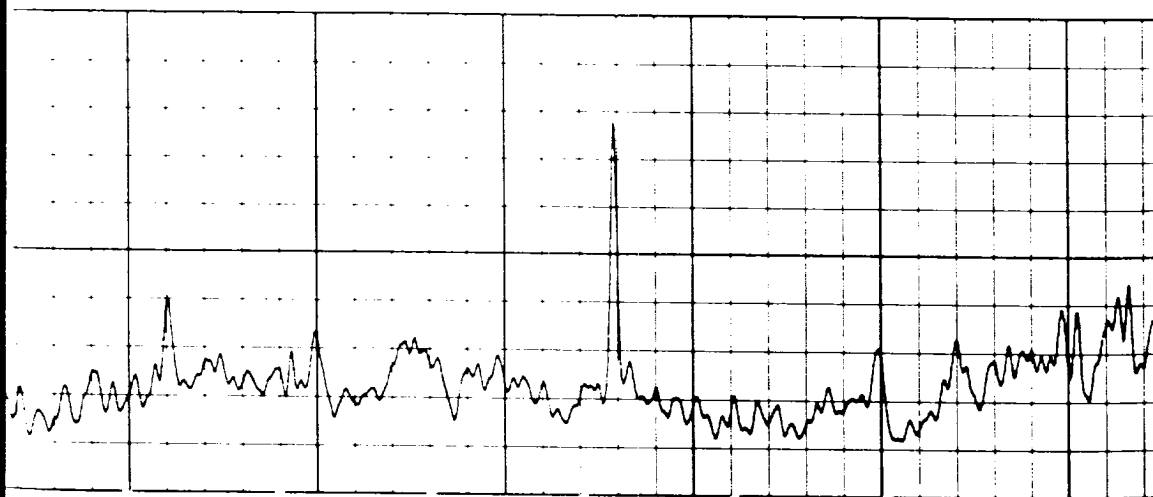
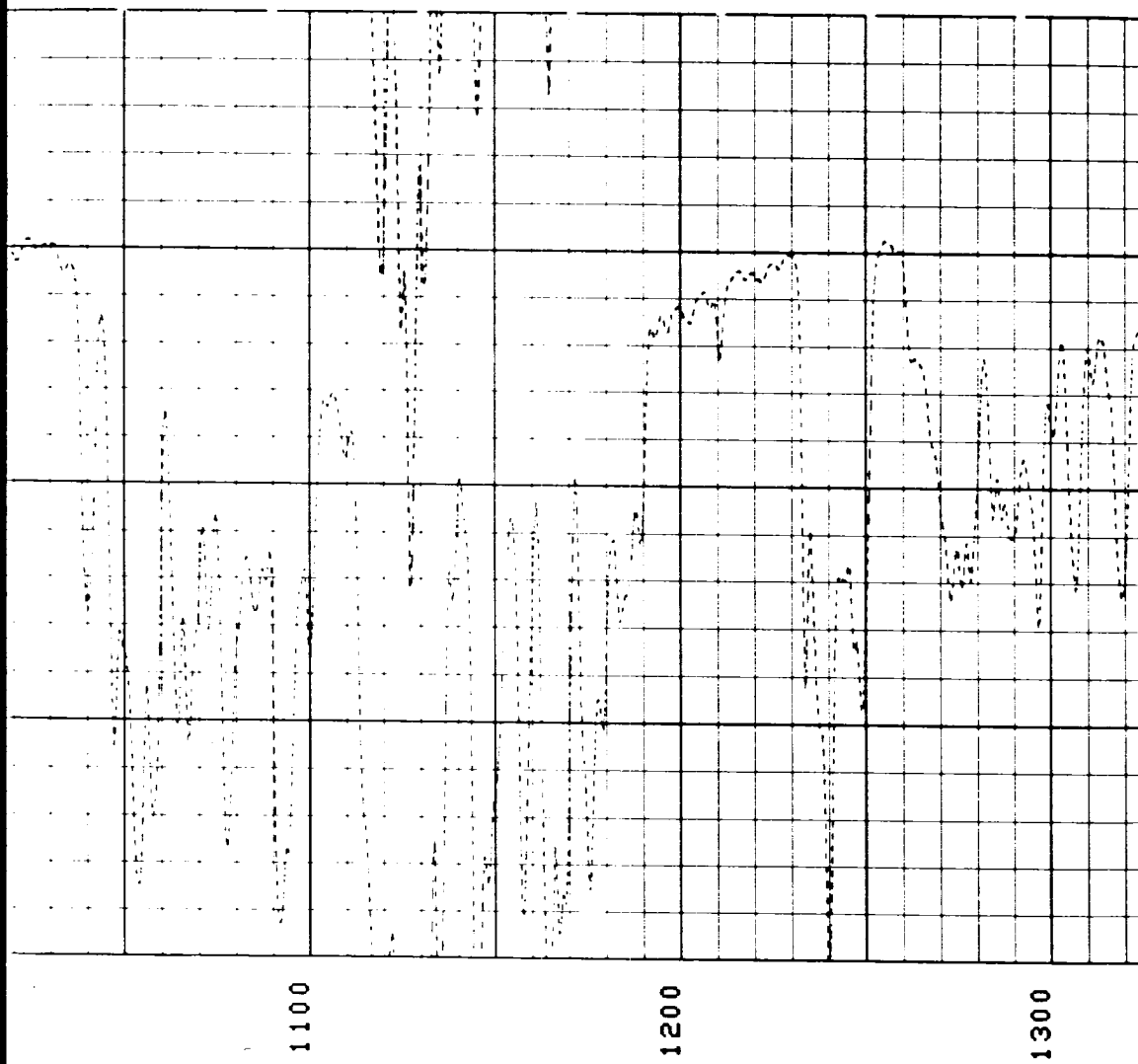
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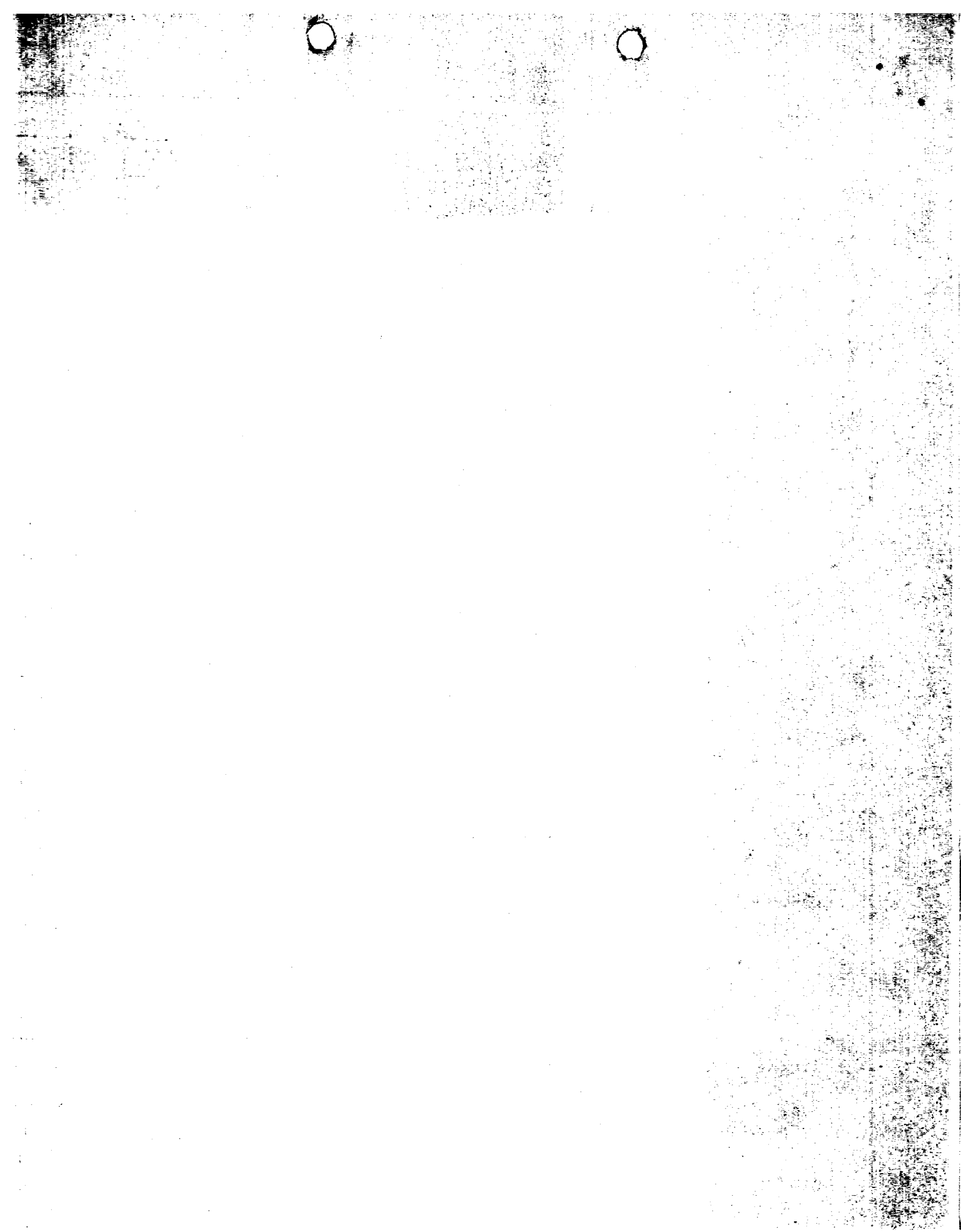
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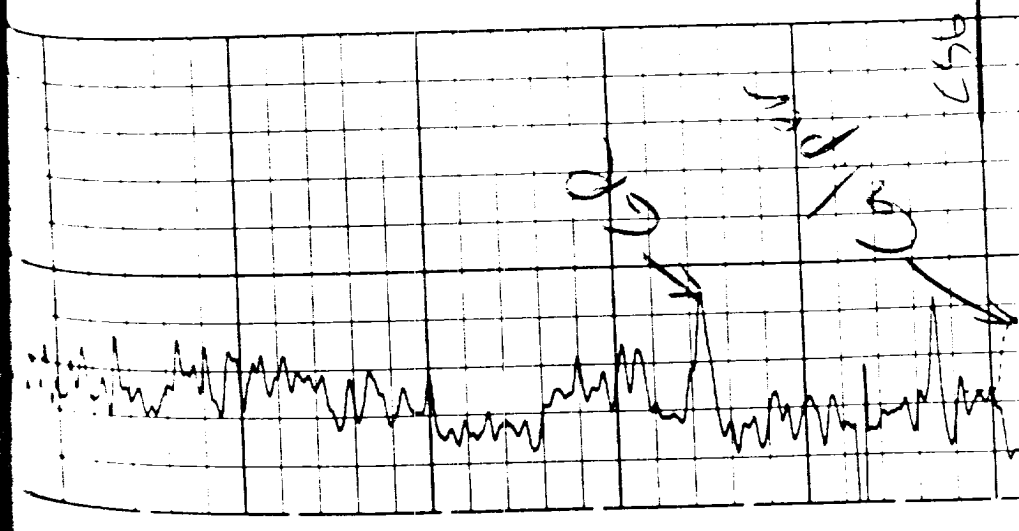
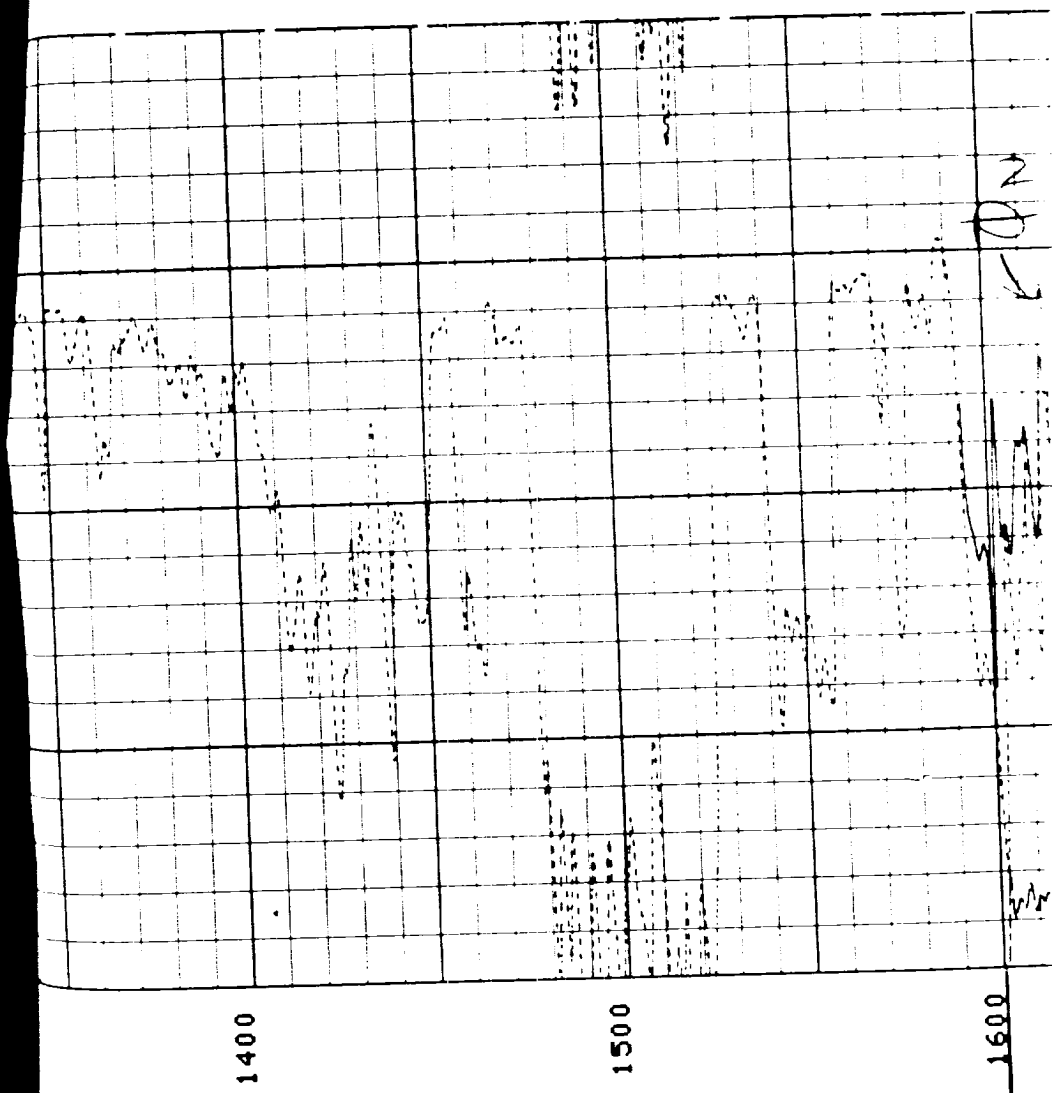
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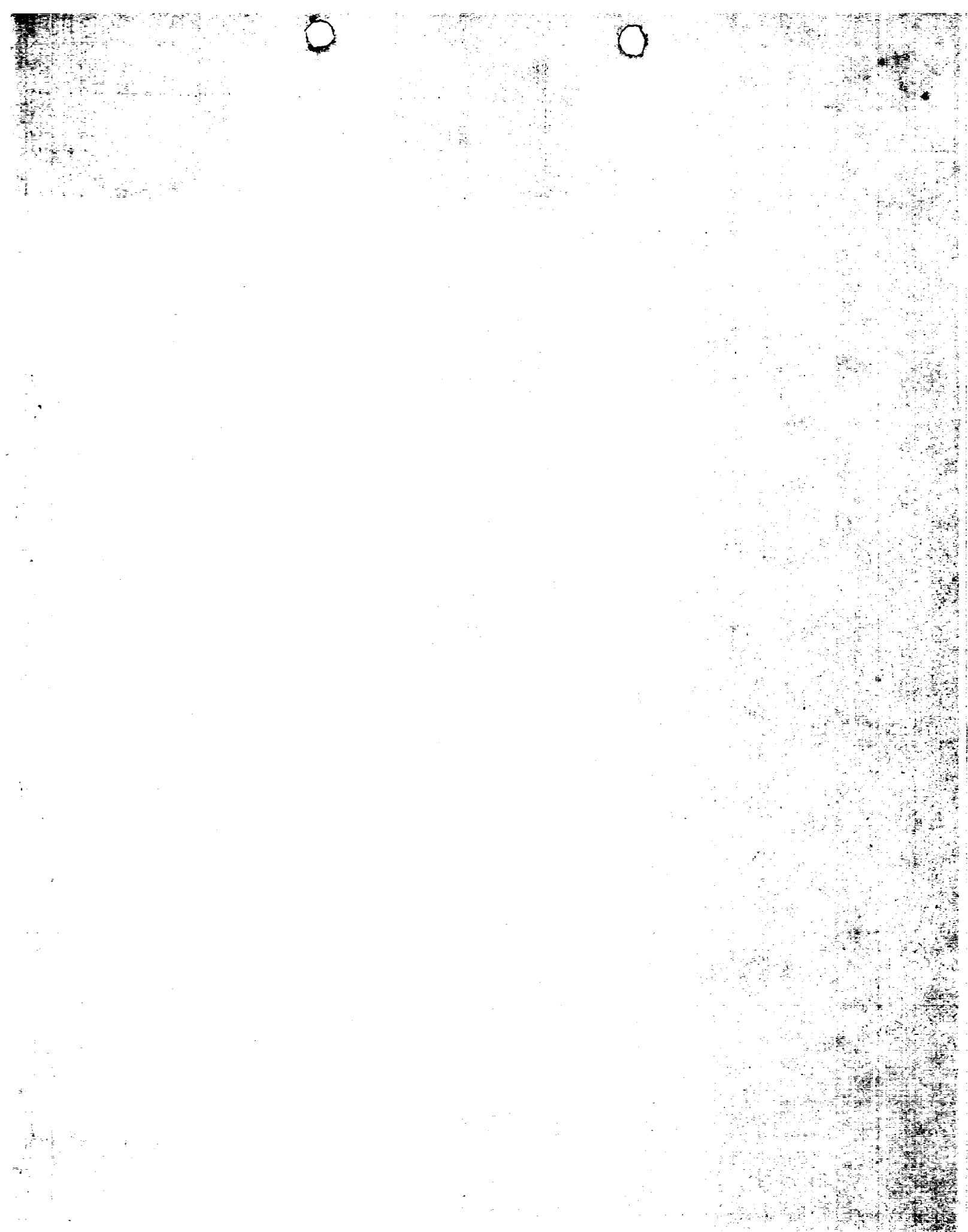


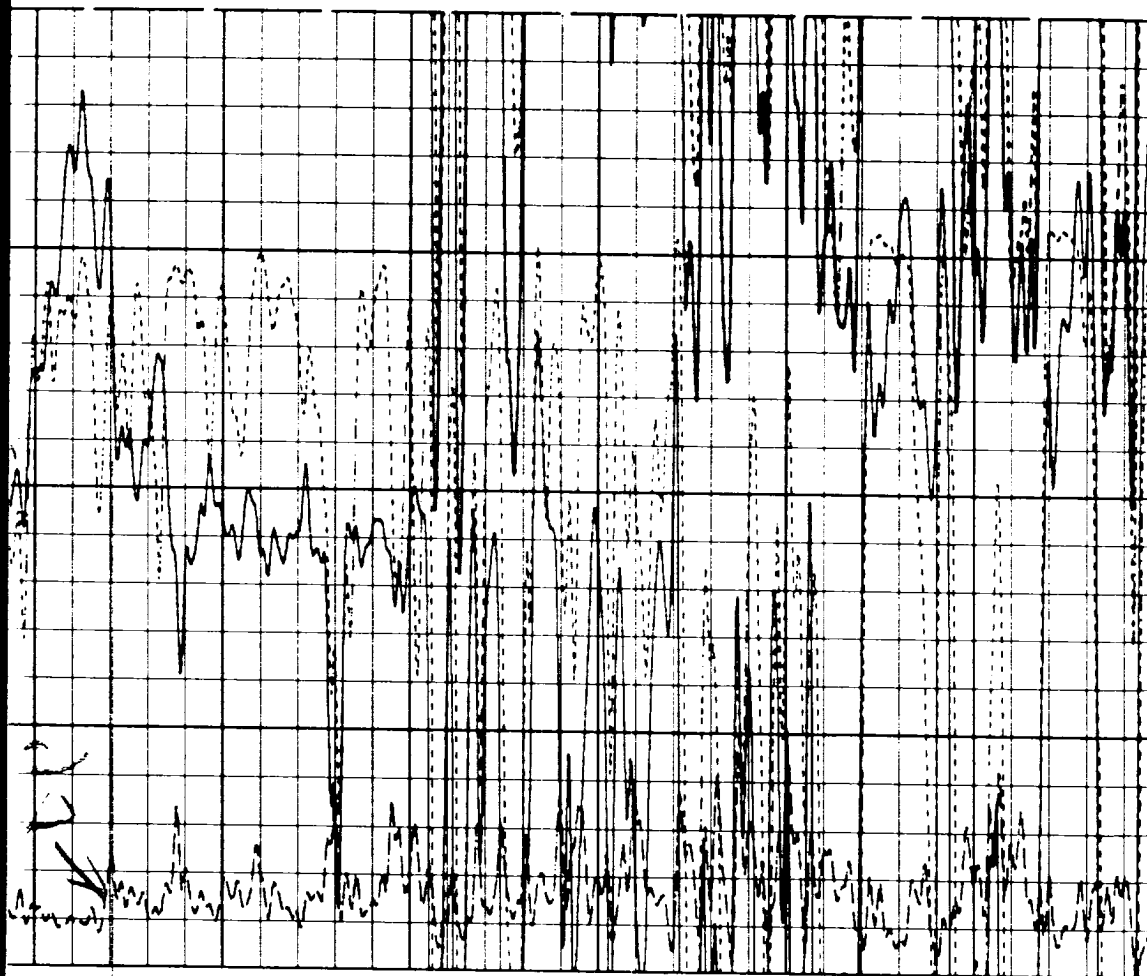










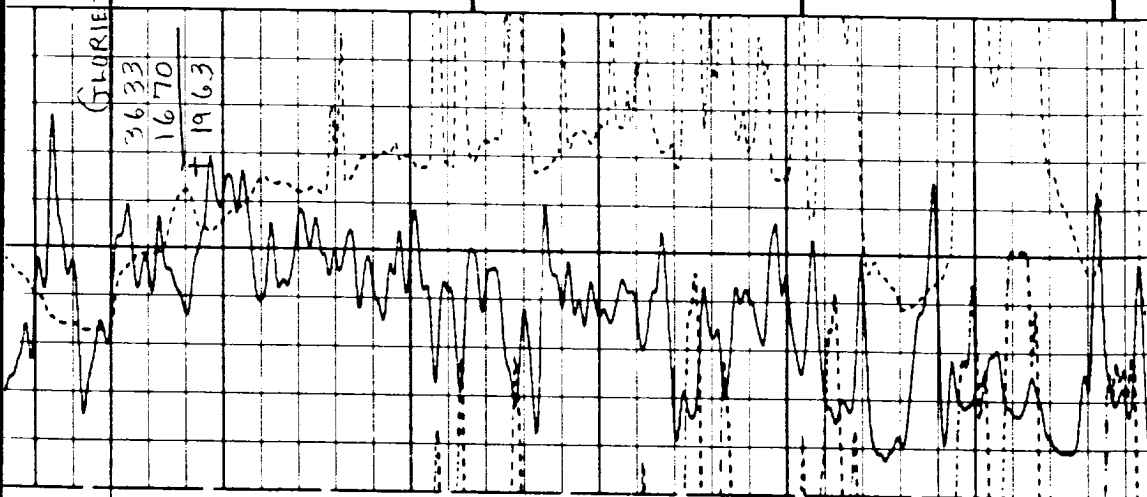


741
15
GLORIETA

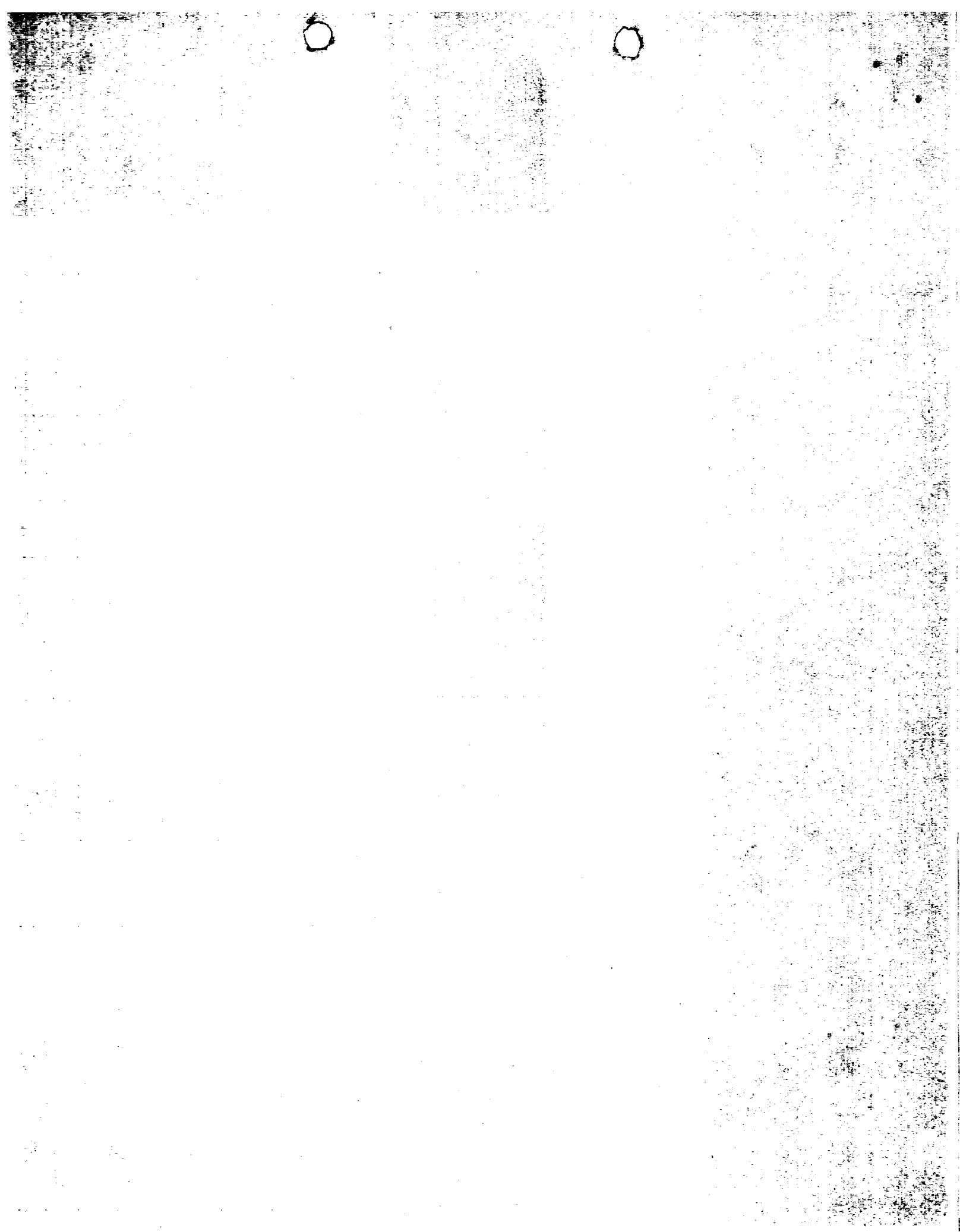
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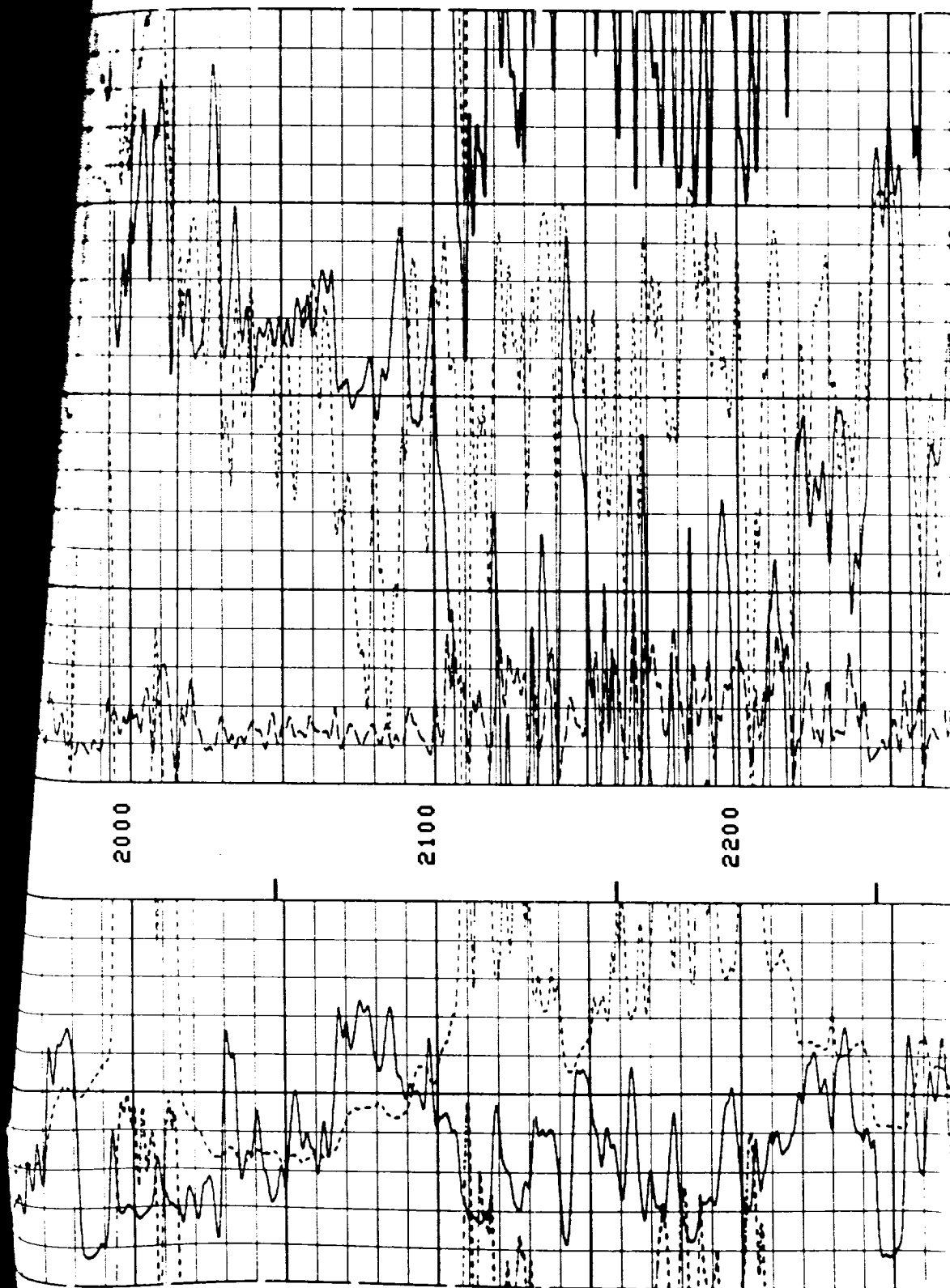
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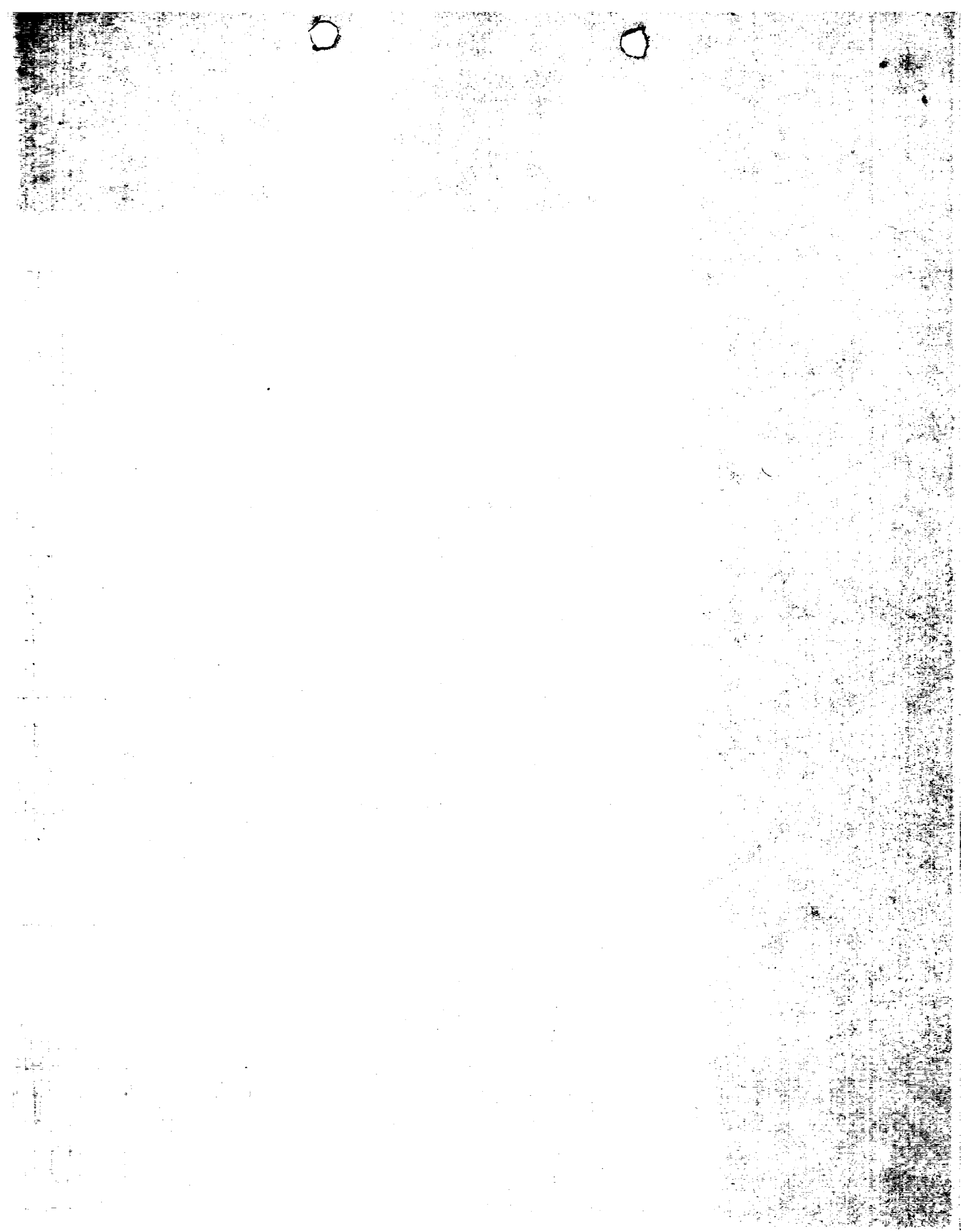
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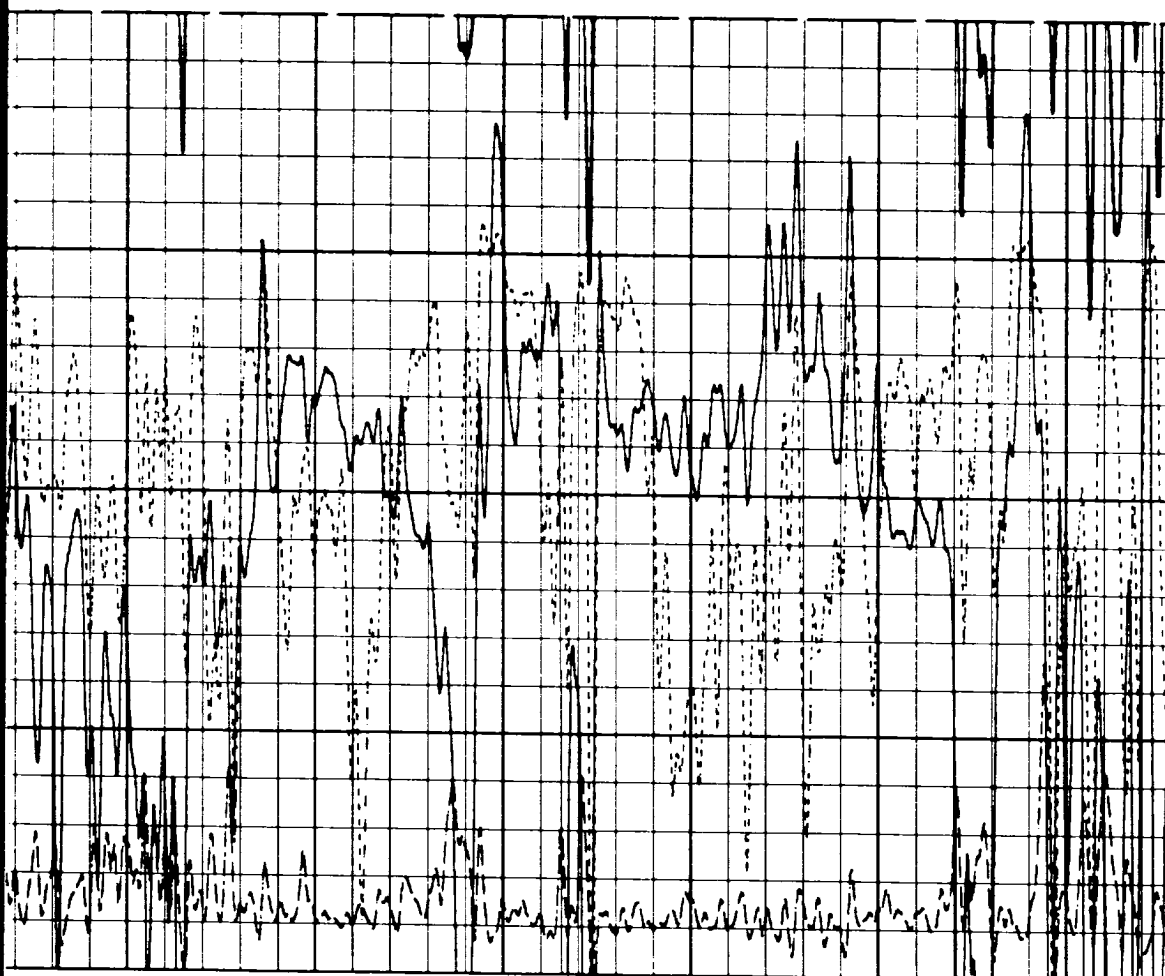


3633
1670
1963





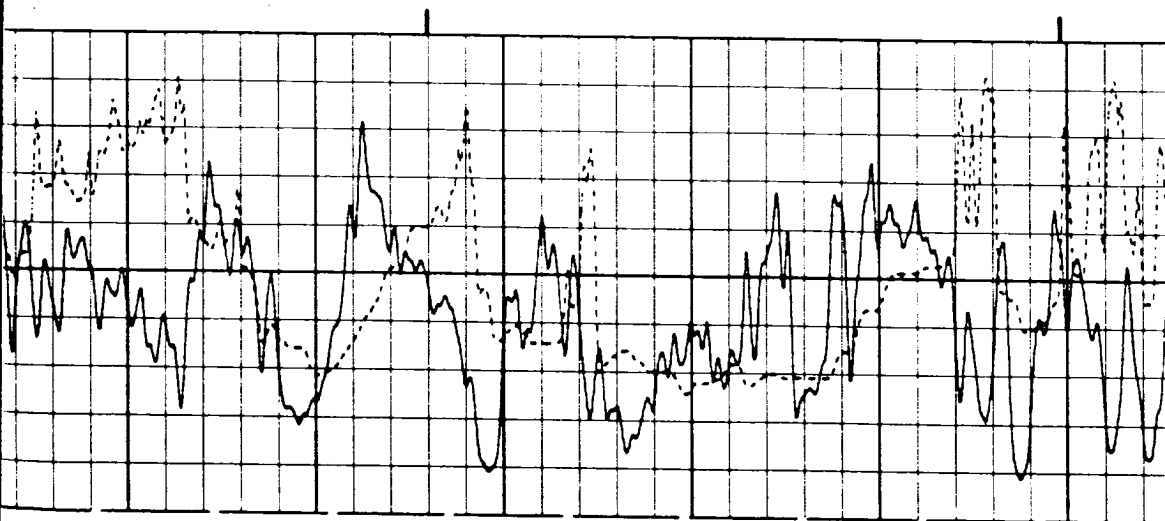


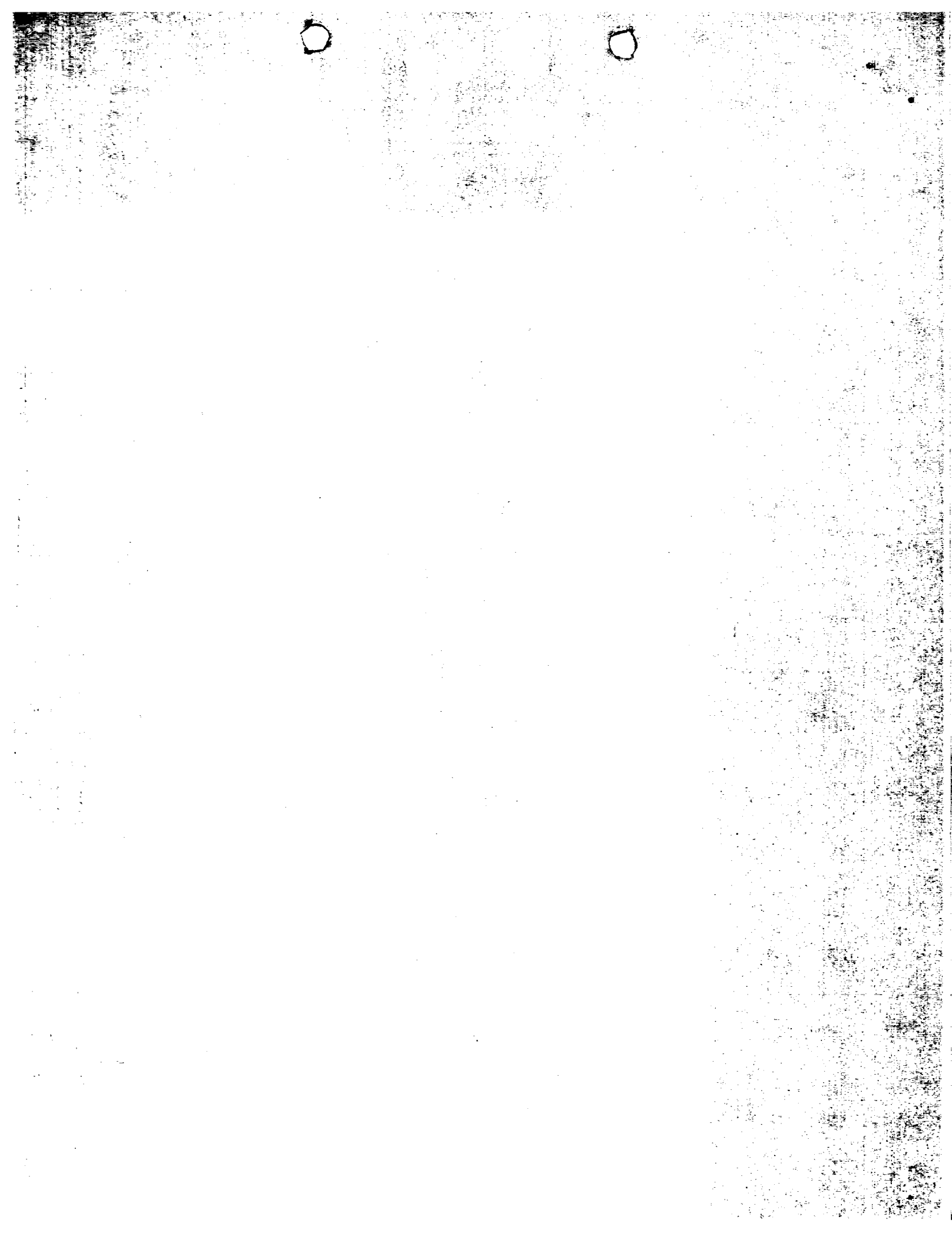


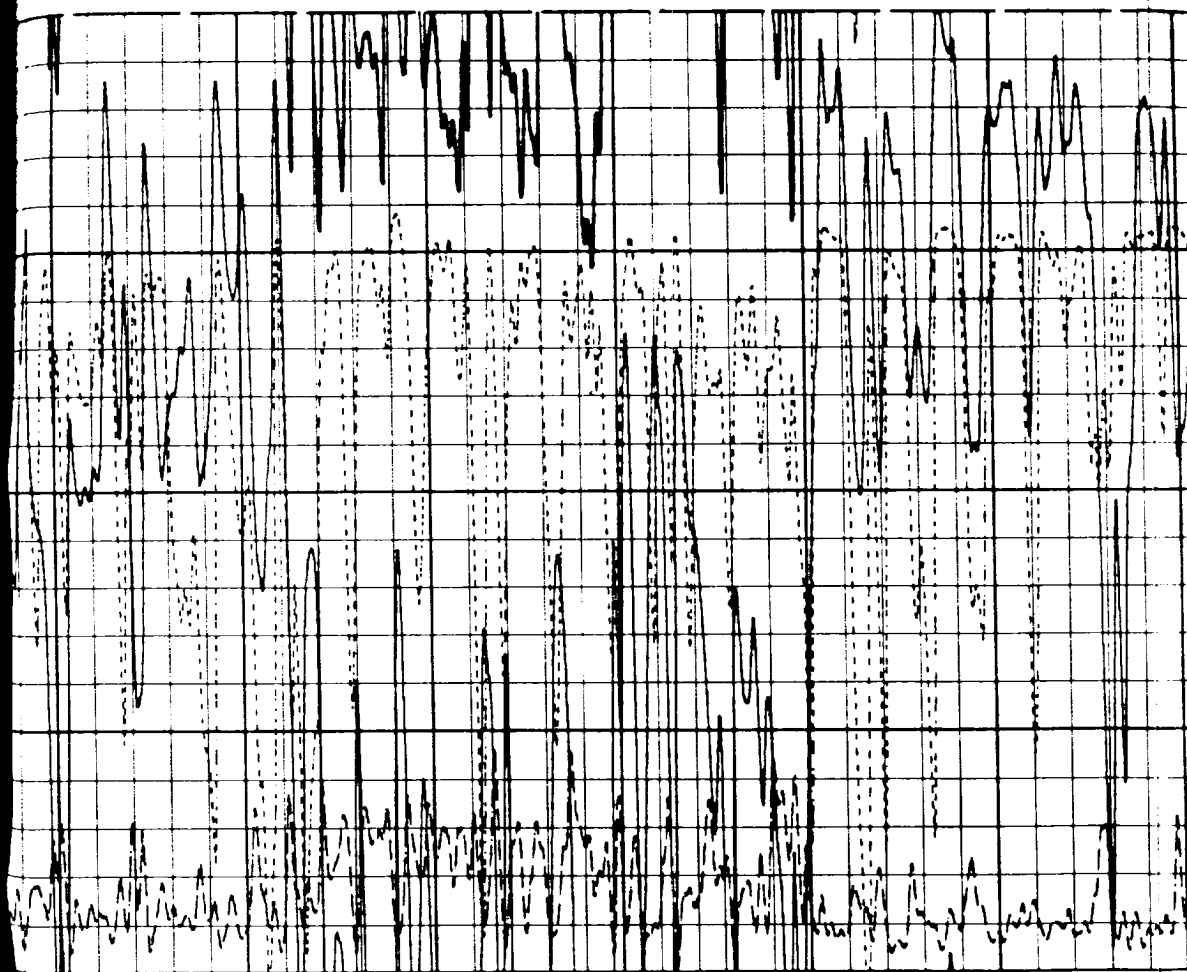
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2400

2500





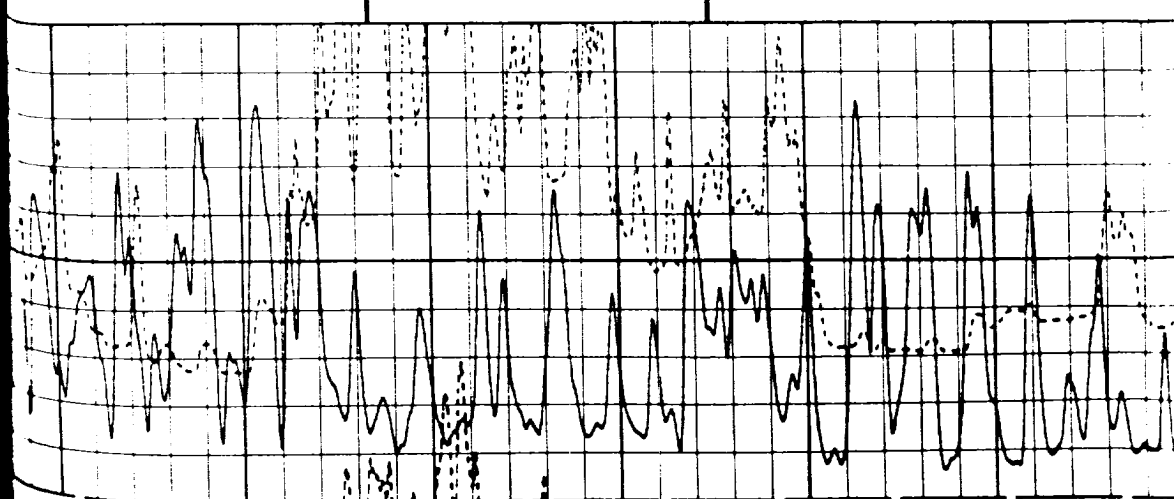


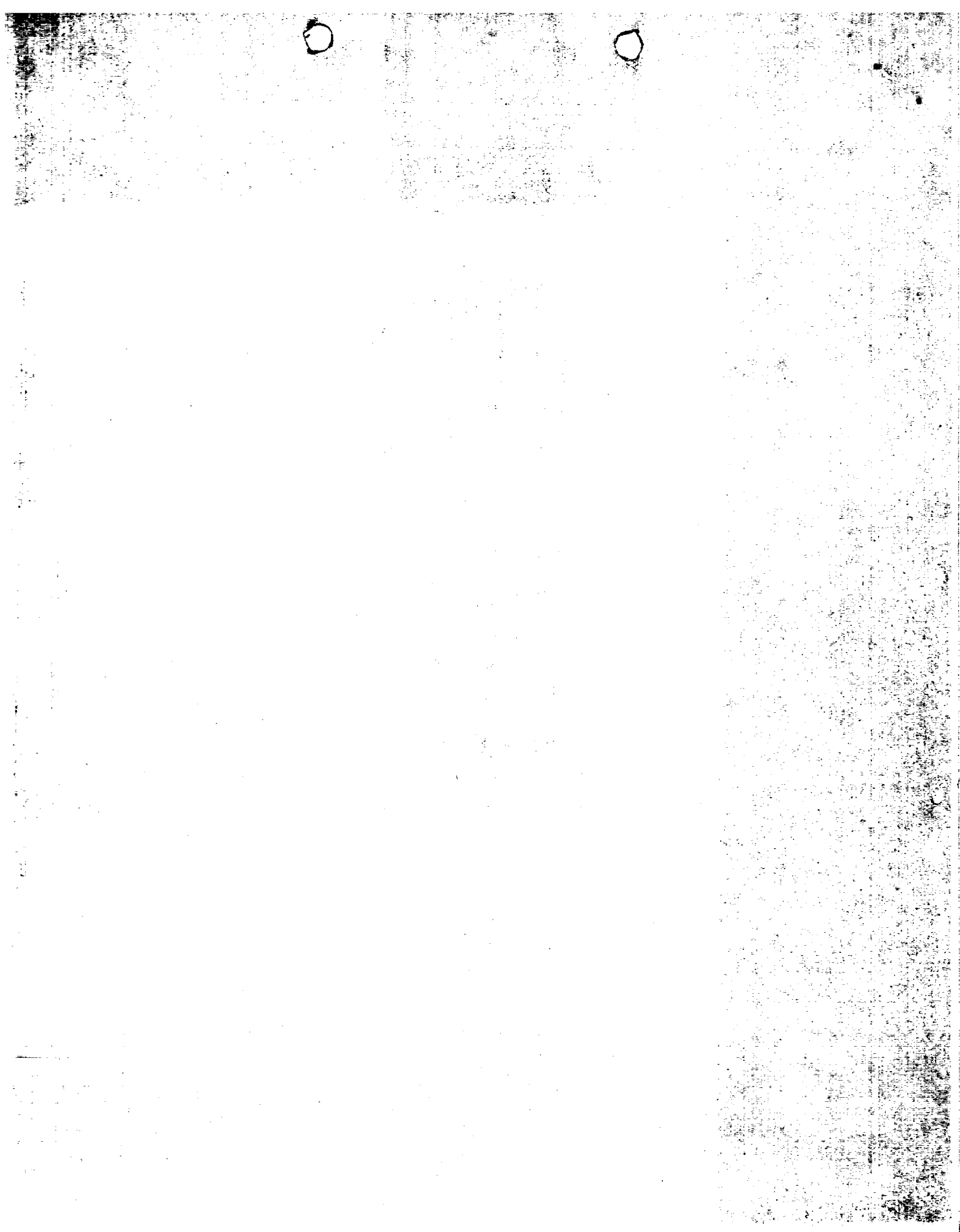
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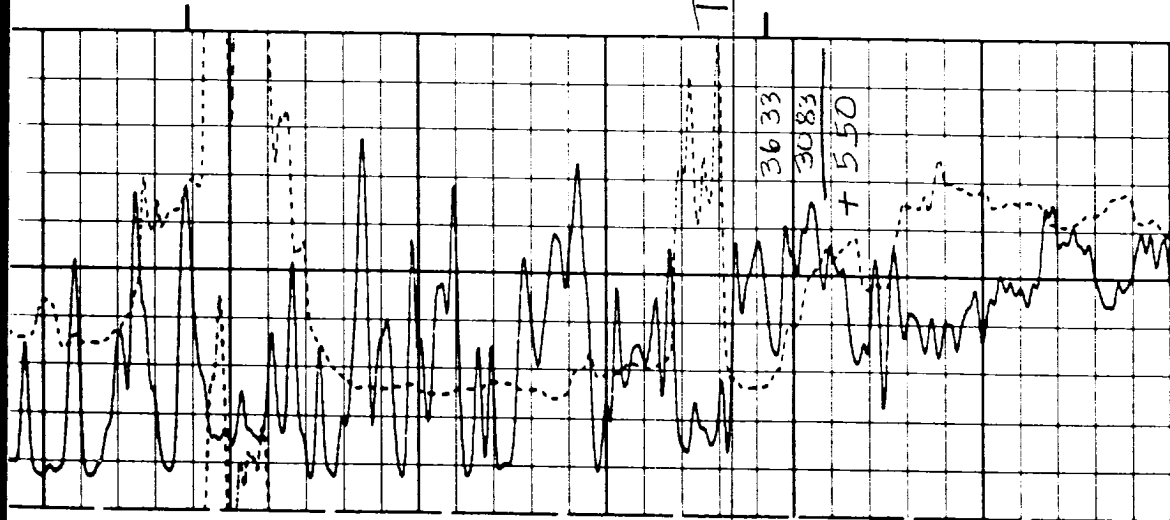
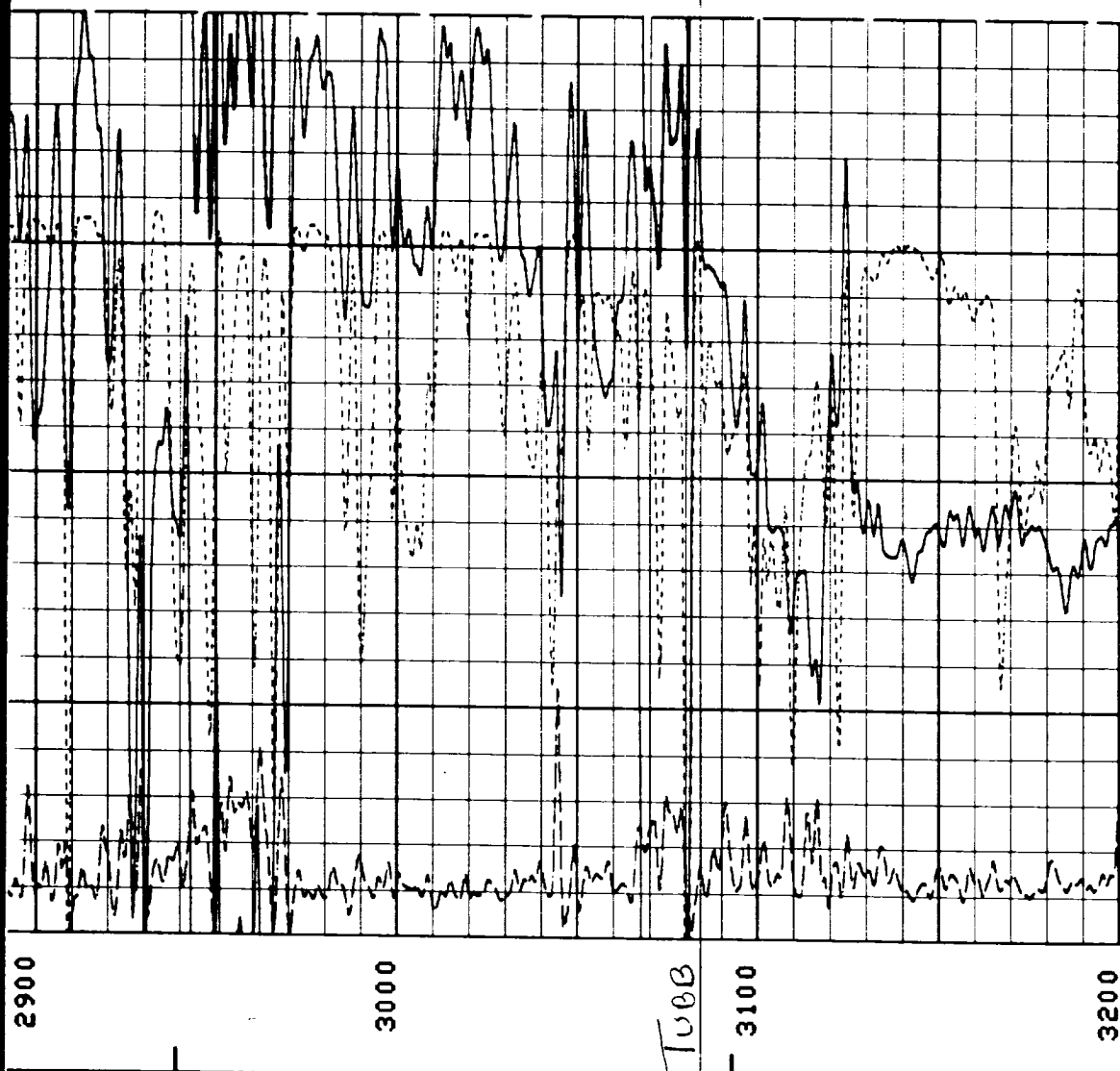
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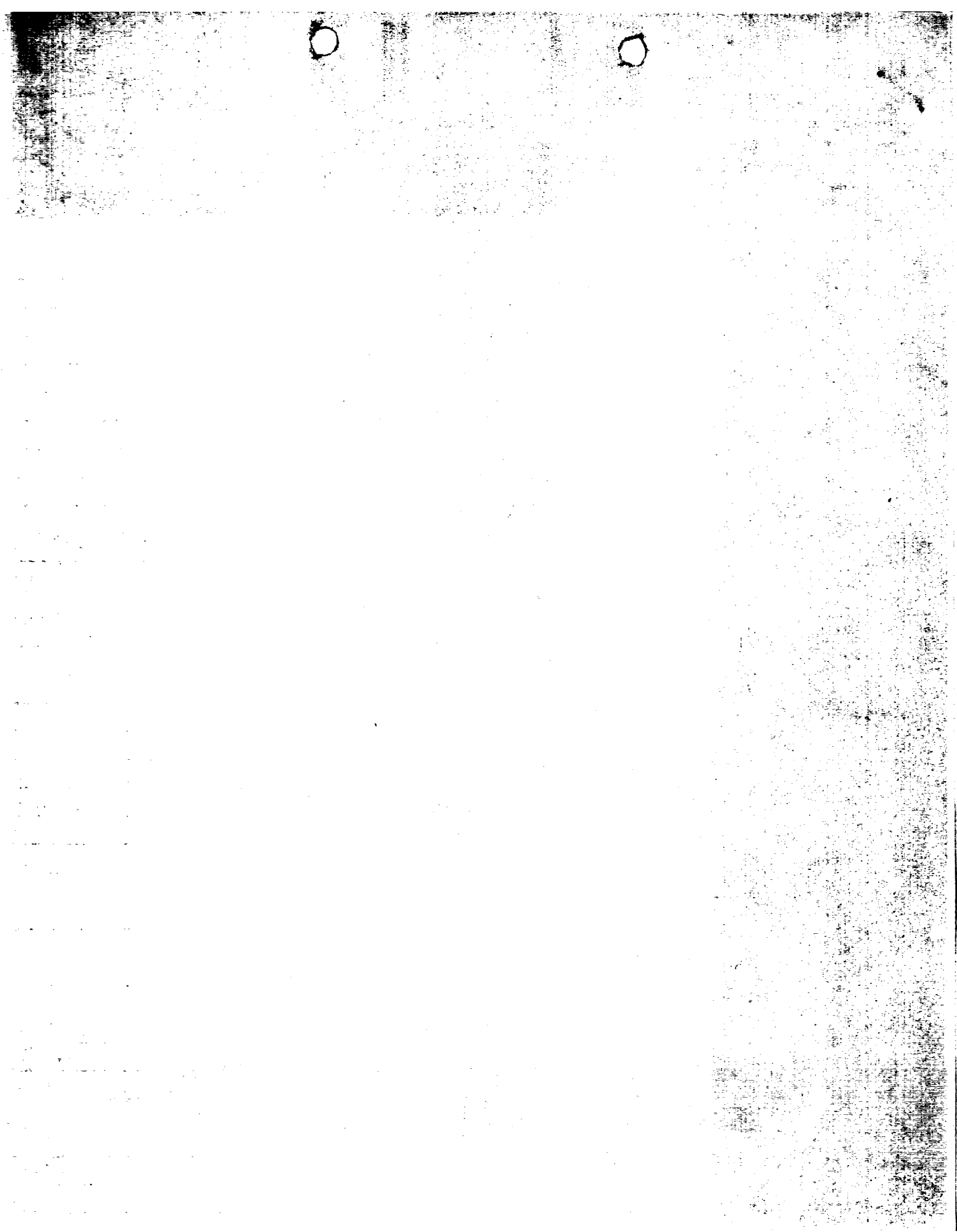
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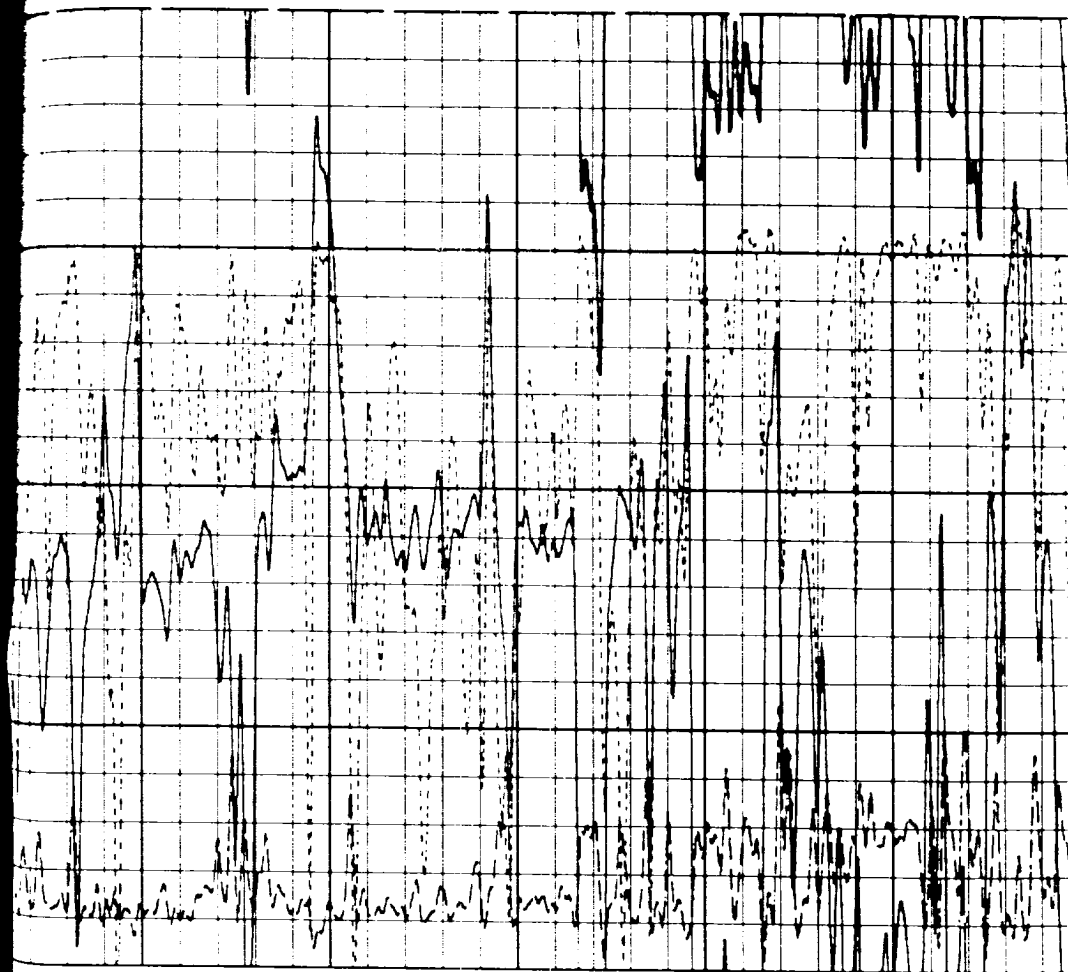
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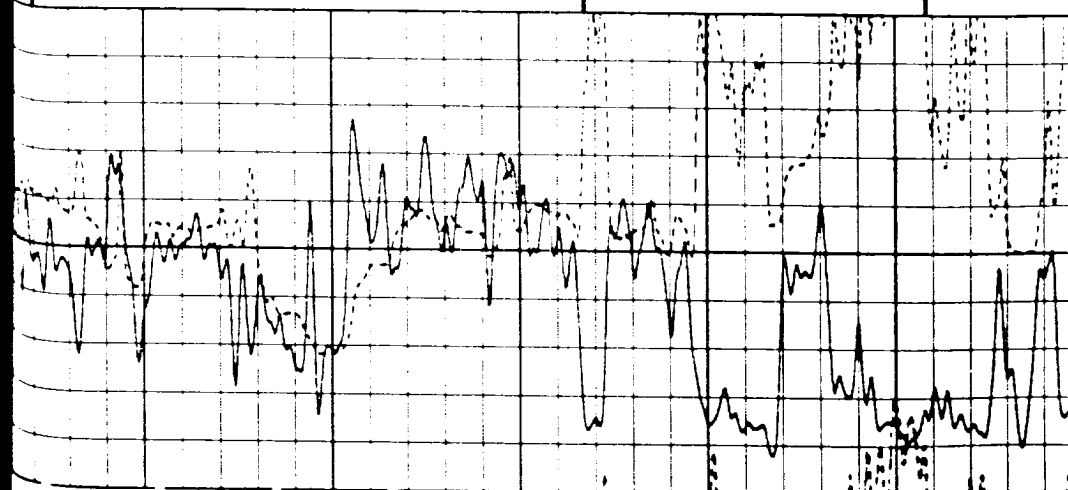


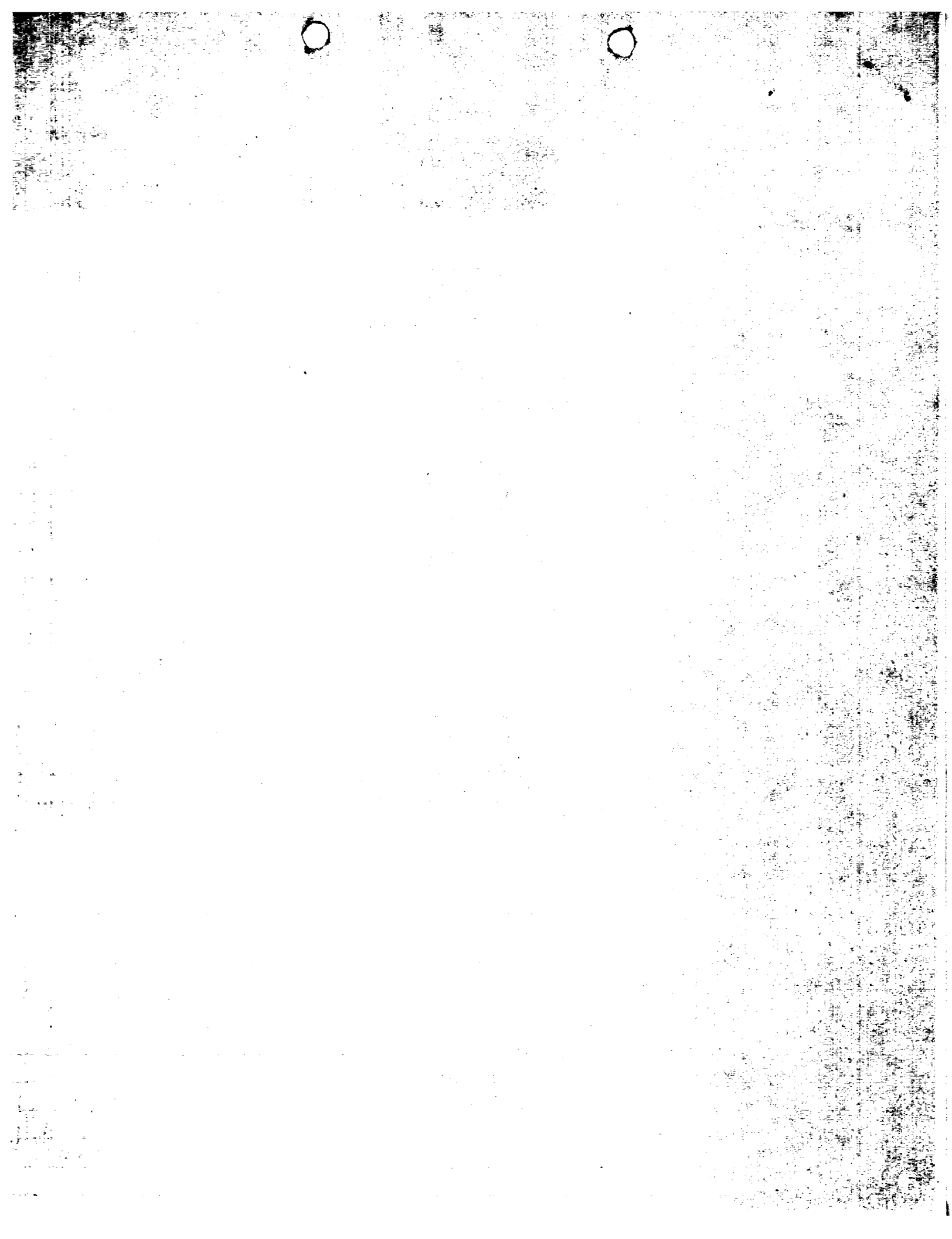
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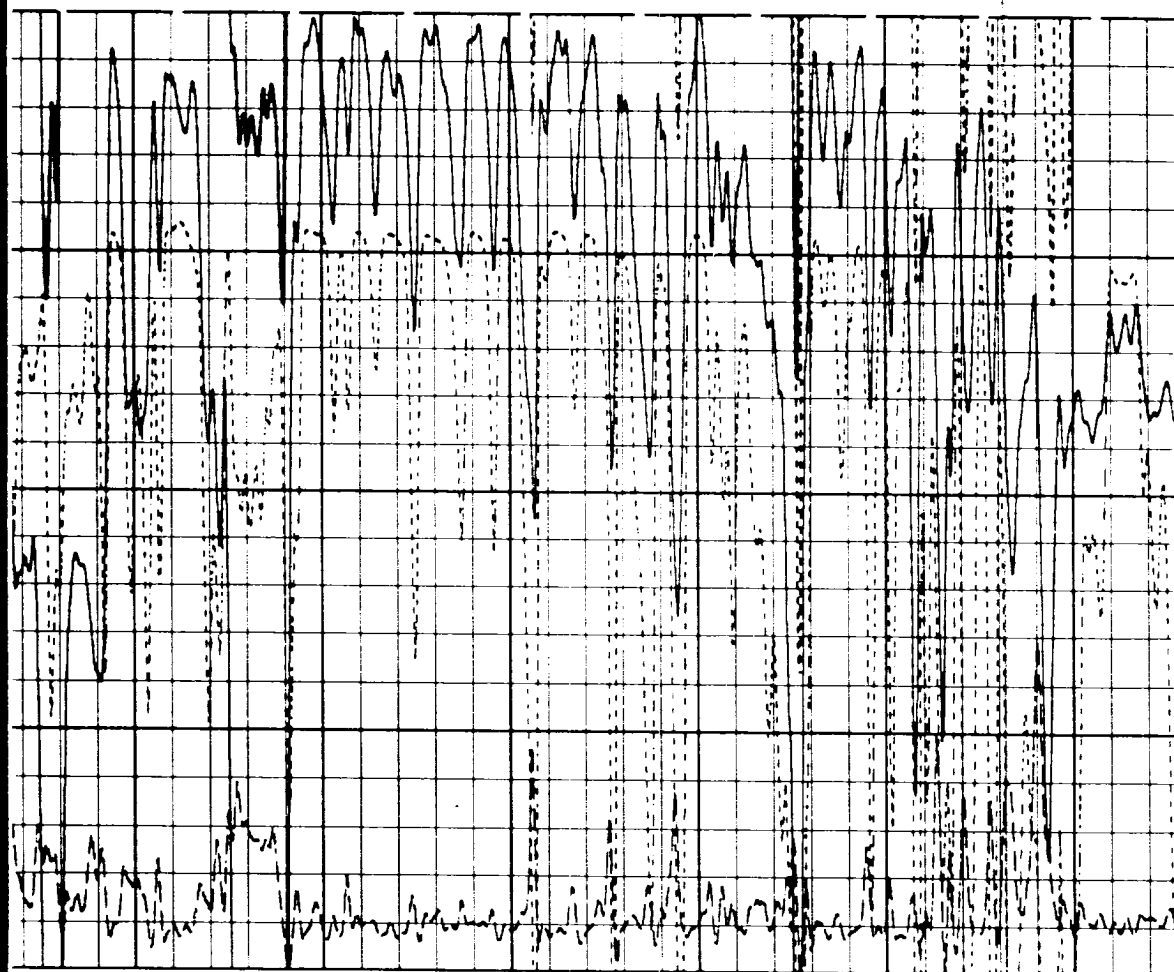
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1001

3400

3500





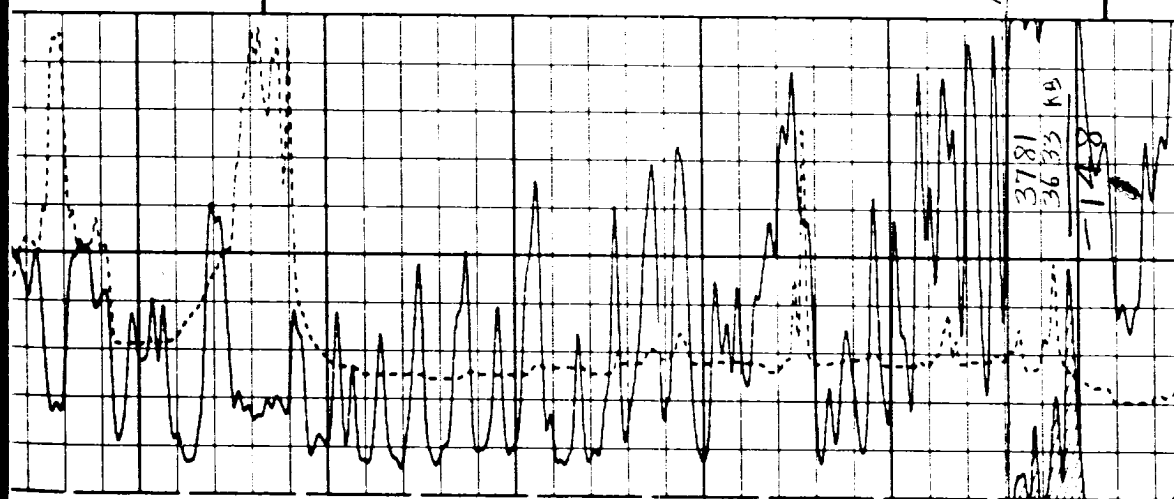


3600

3700

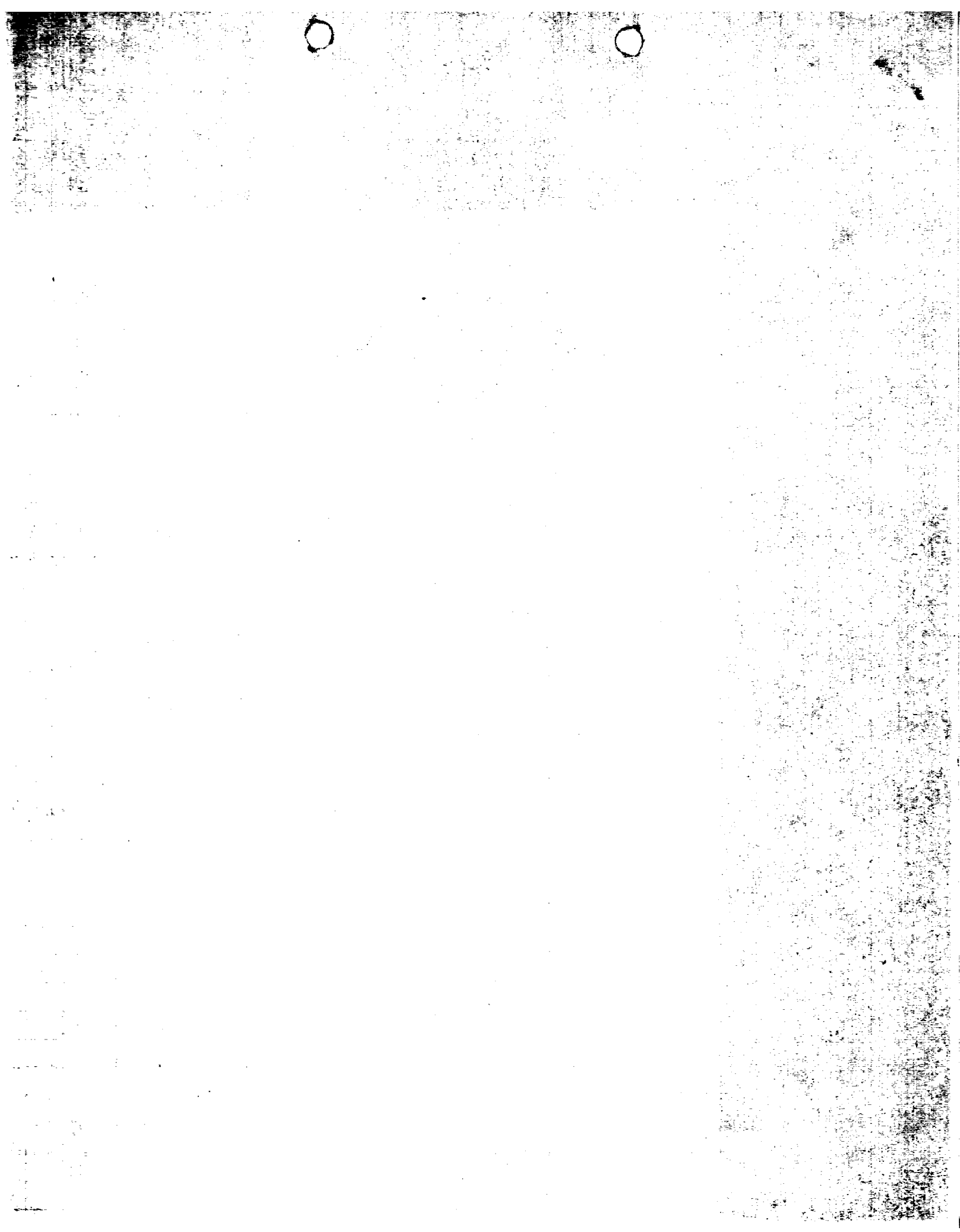
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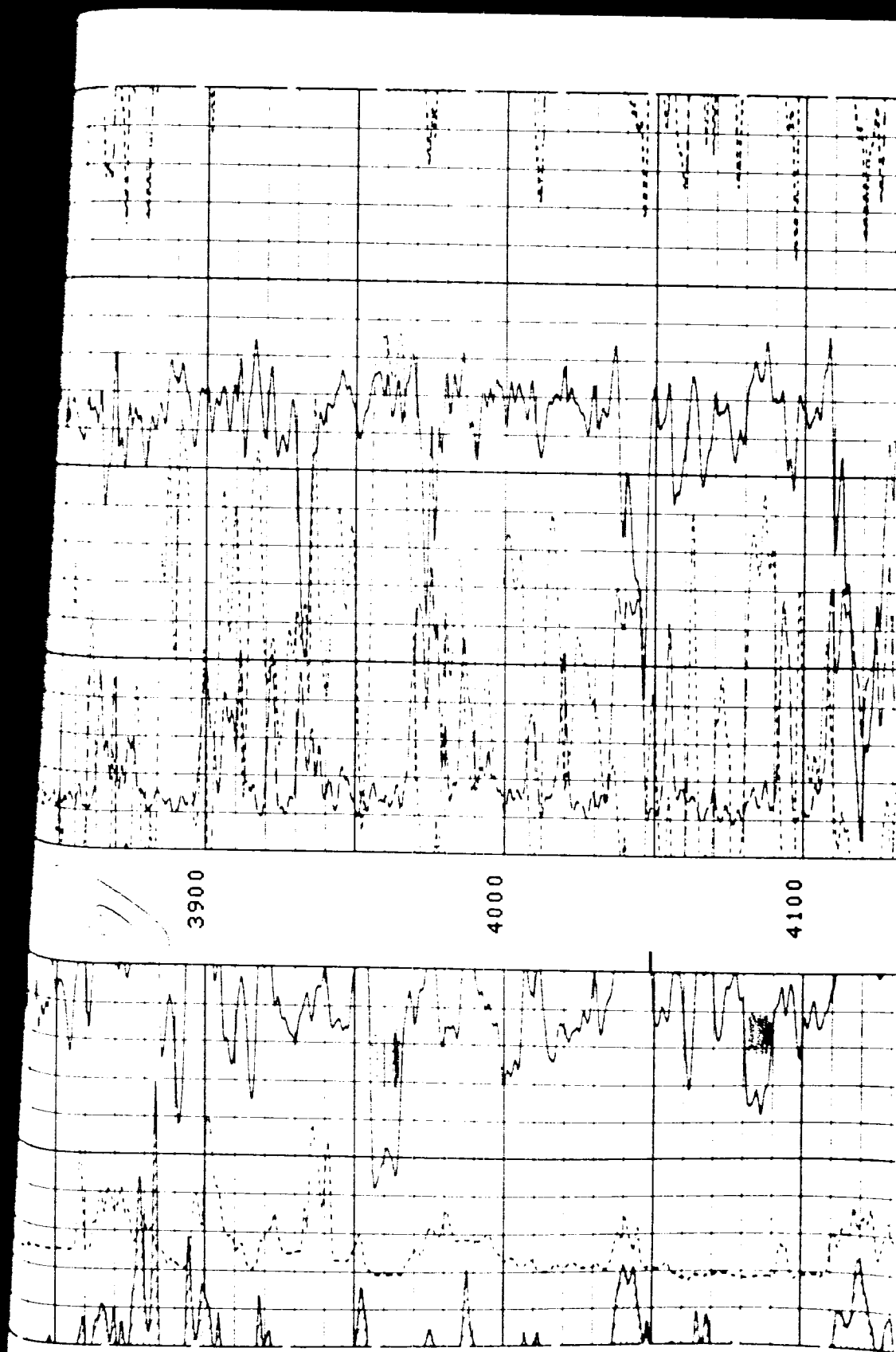
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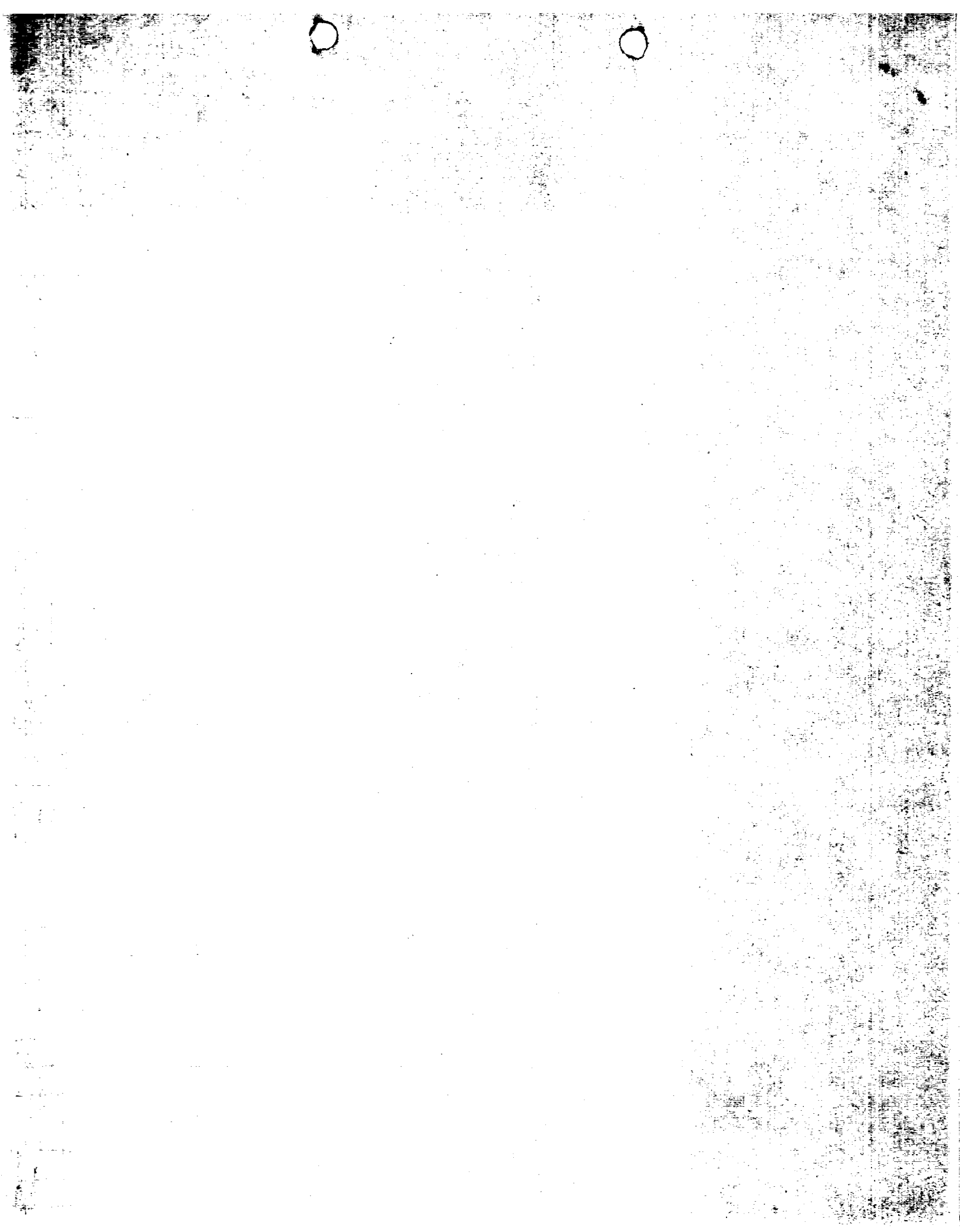


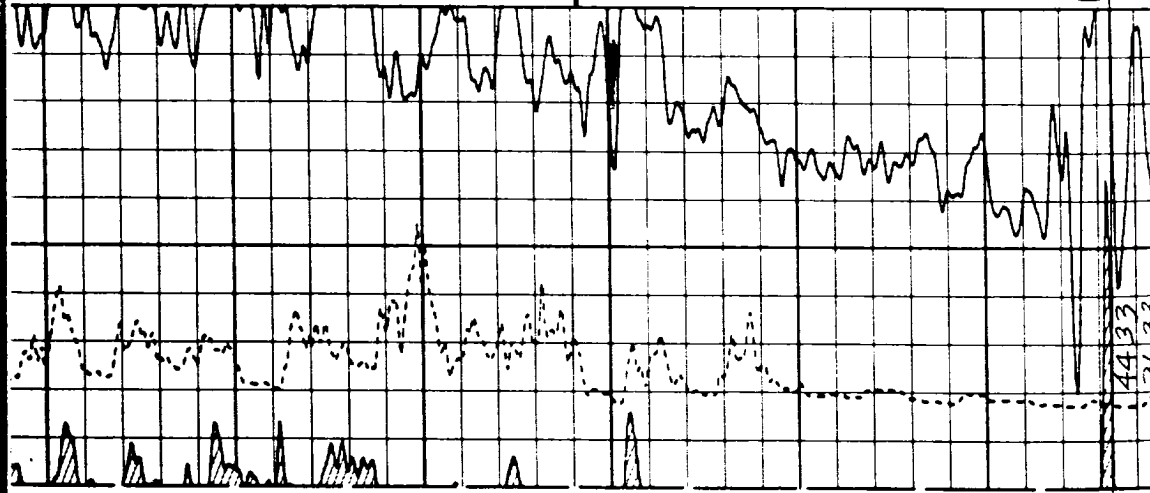
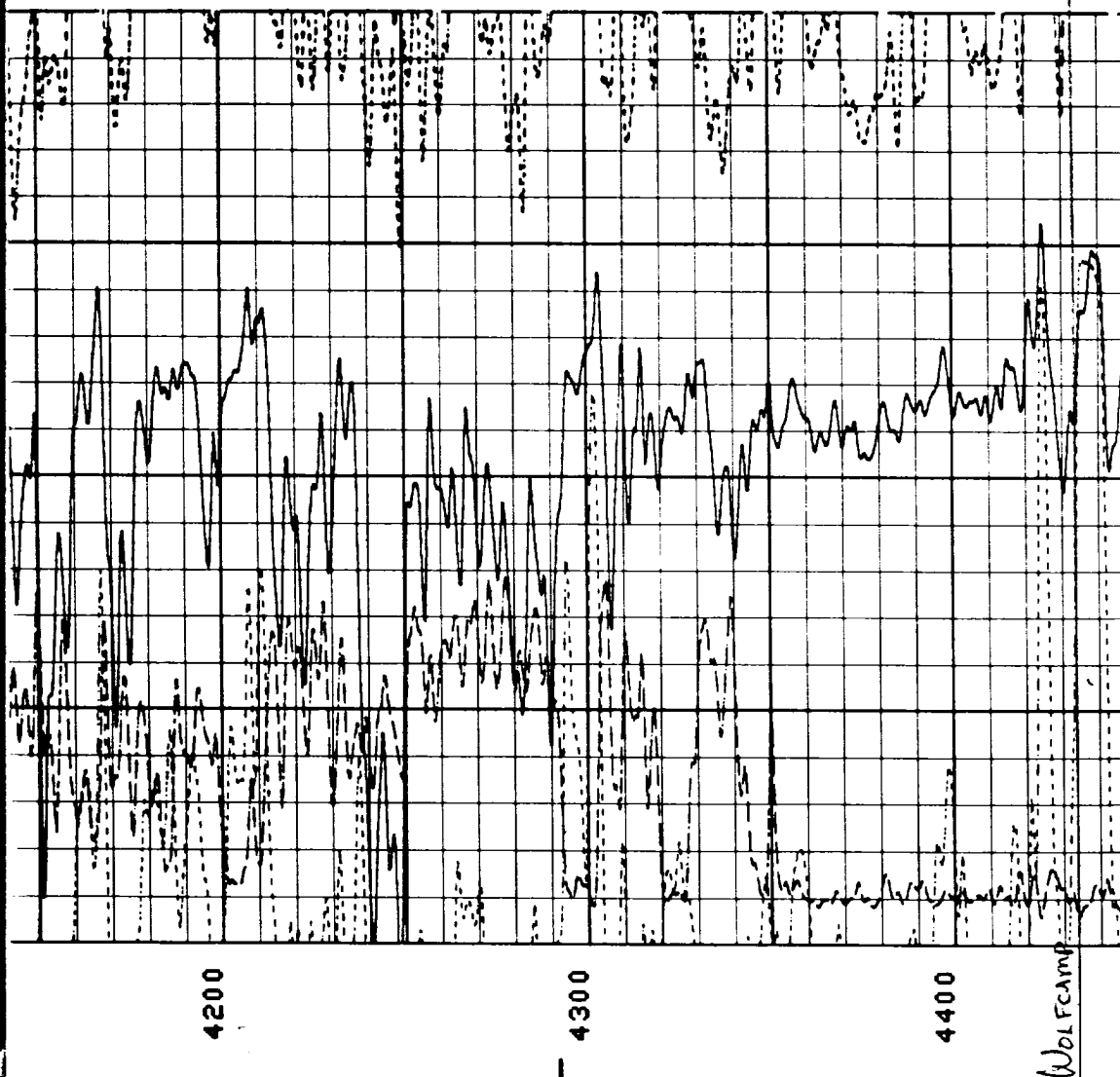
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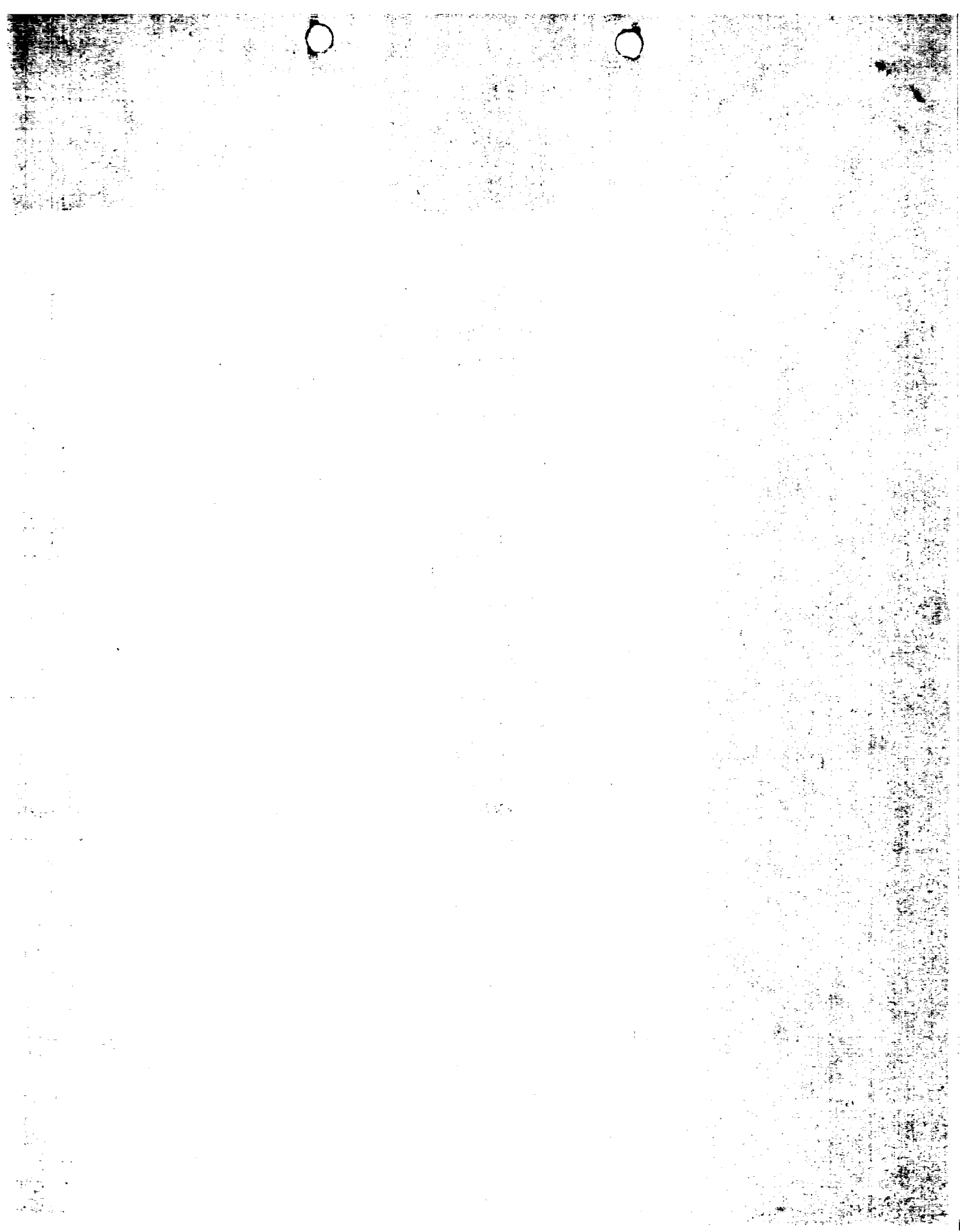
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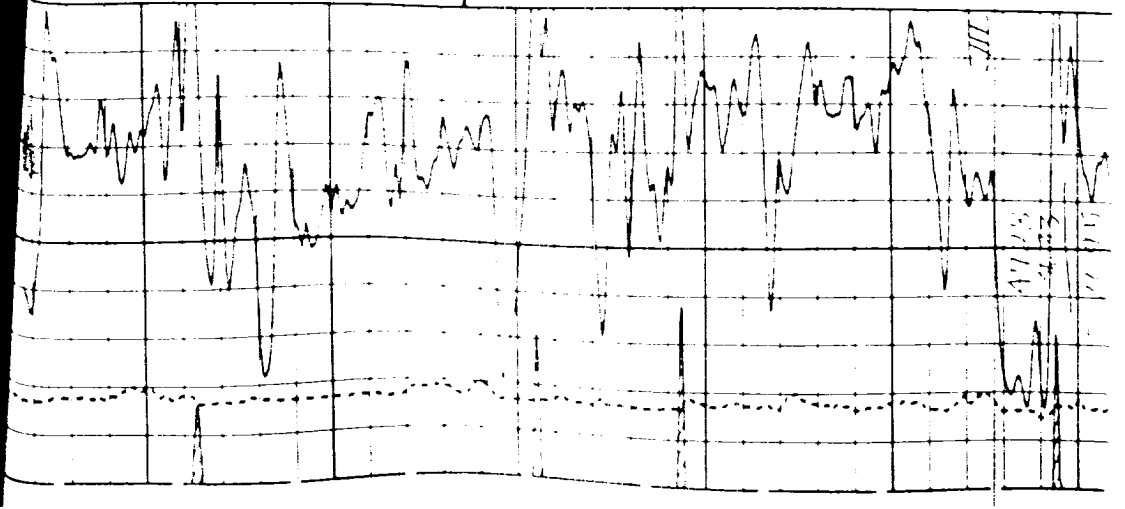
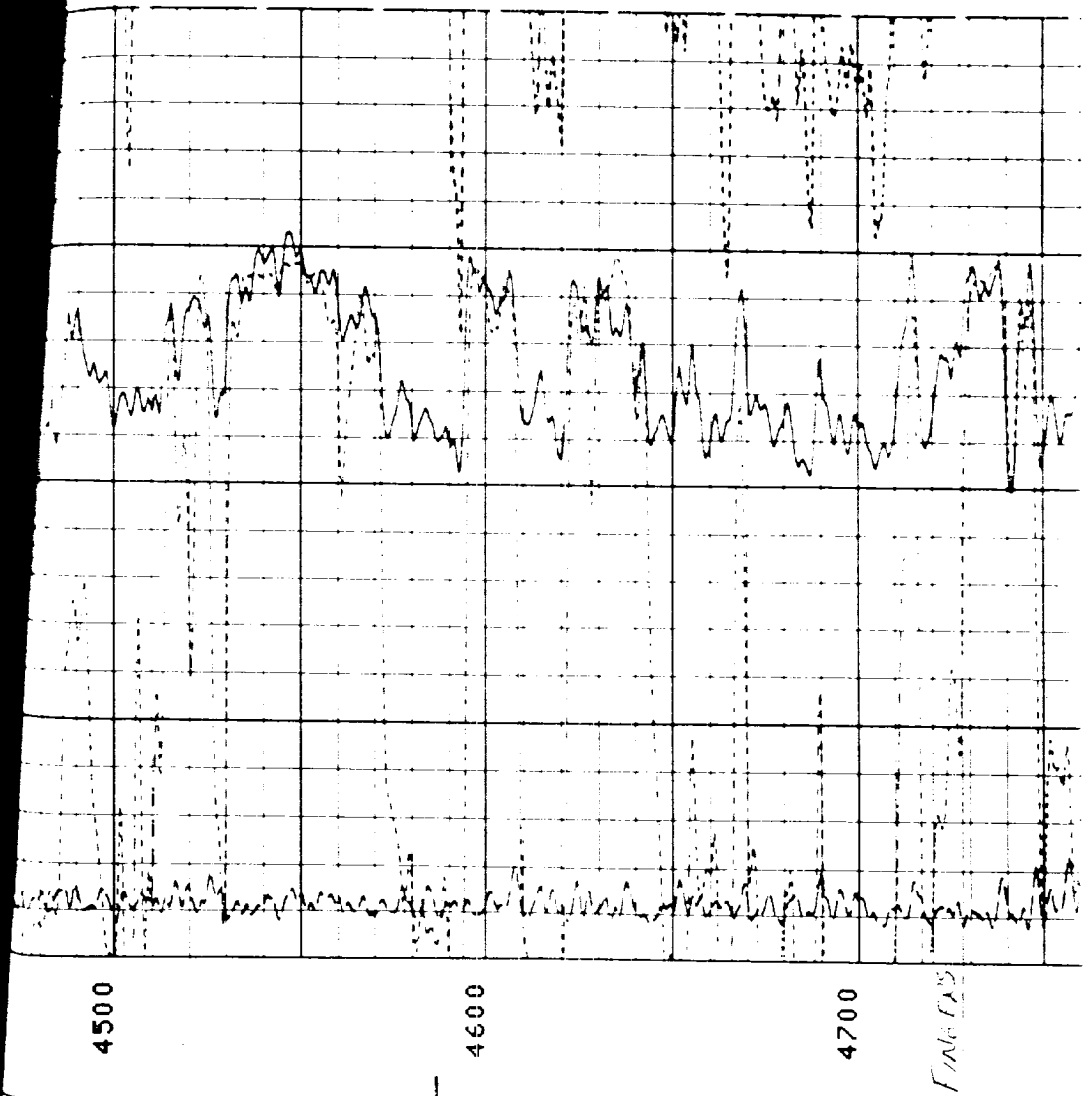


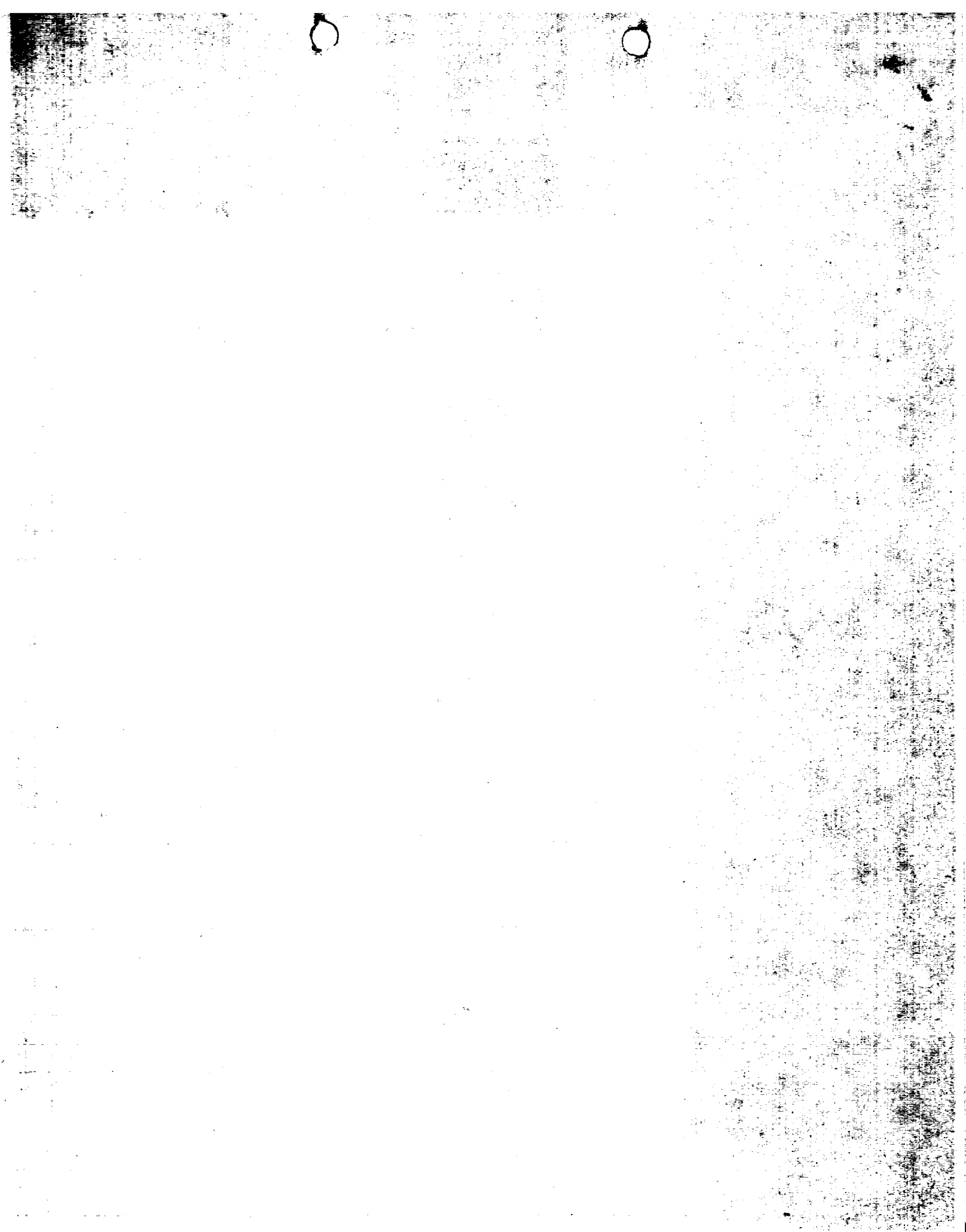


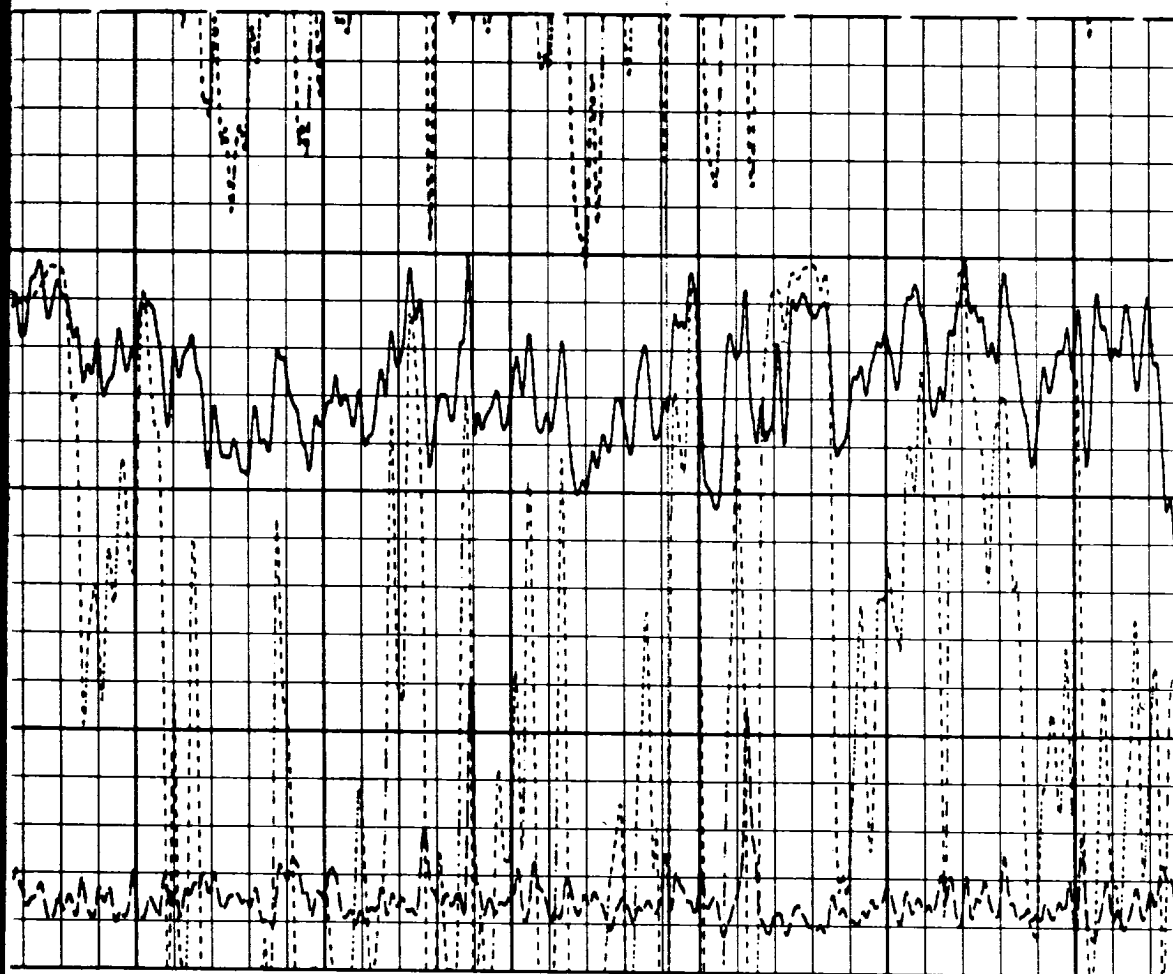










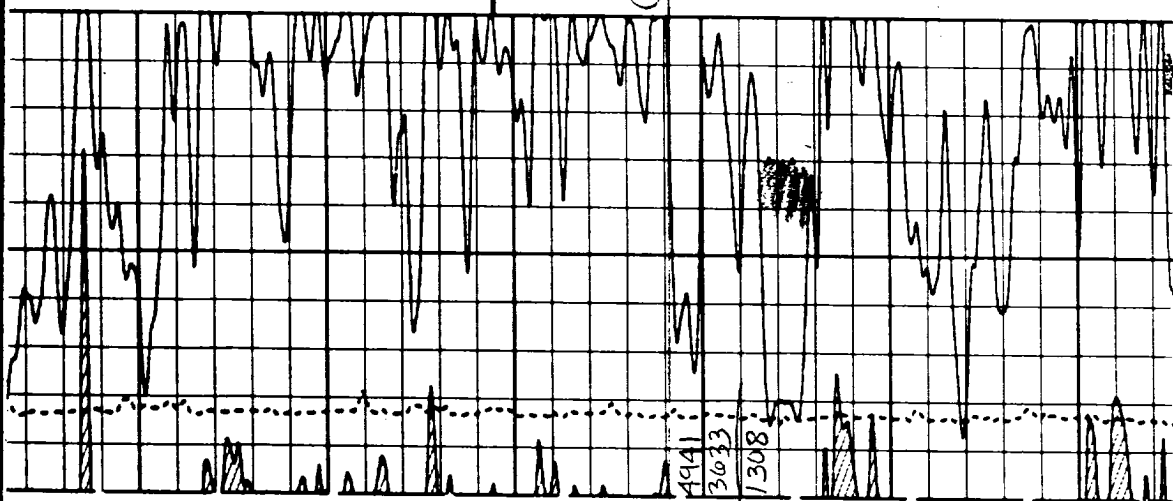


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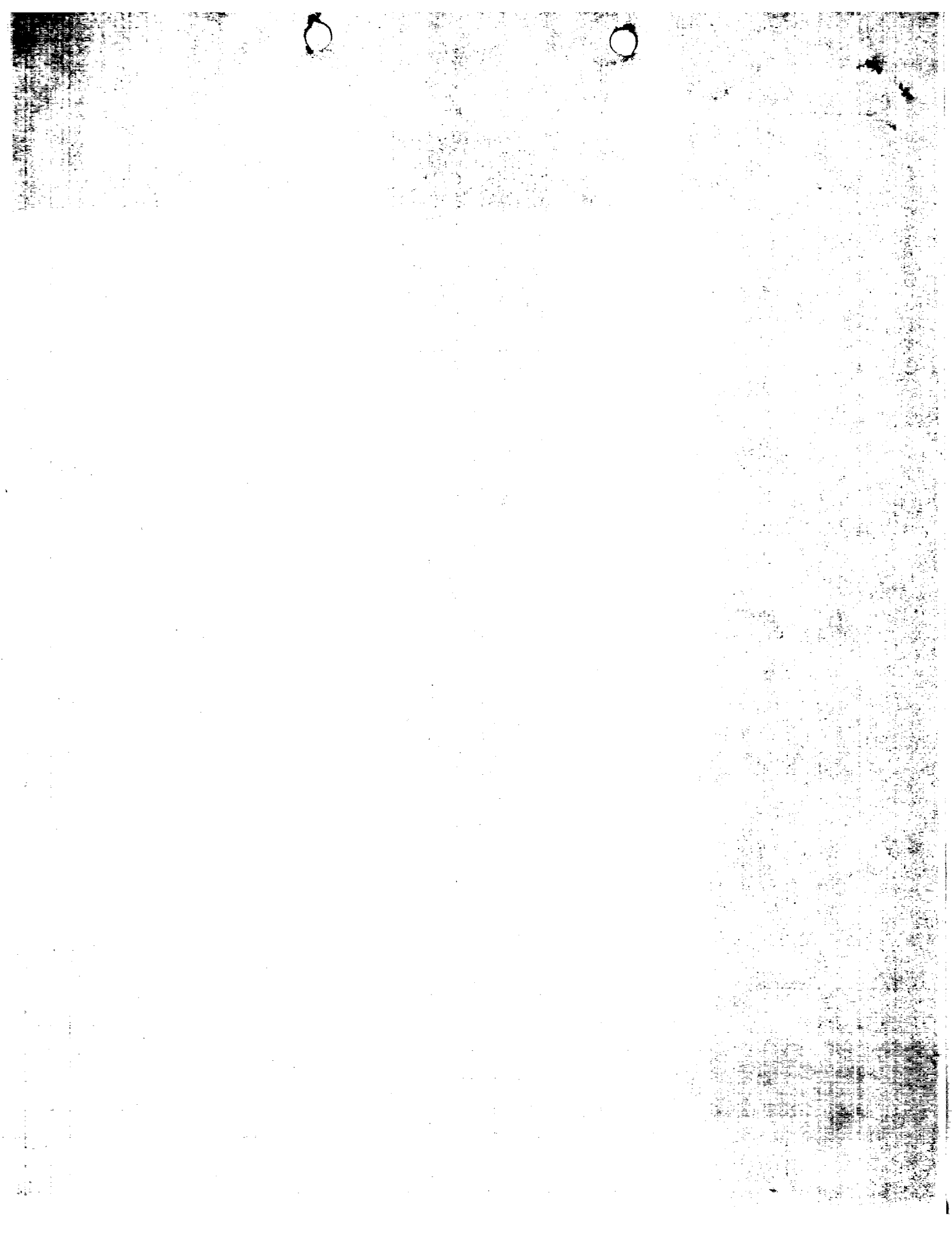
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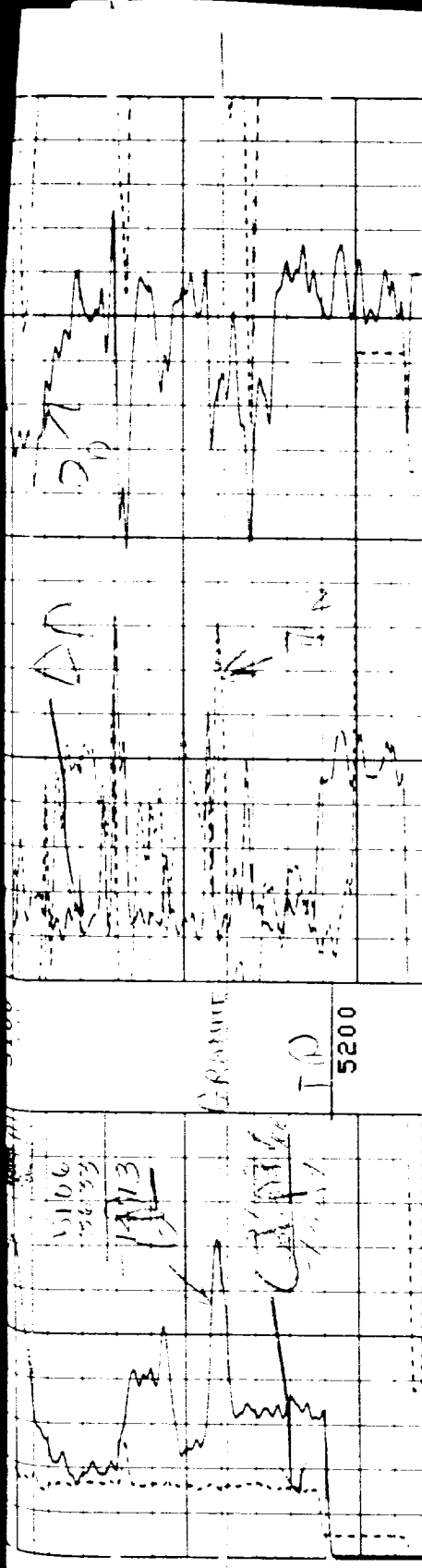
5000

Penn
CISCO



4941
3033
1308





GR (GAPI)	200.0	DRHO (G/C3)	0.4500
CALI (IN)	16.00	NPHI (GAPI)	-0.100
GR (GAPI)	100.0	RHOB (G/C3)	3.000

SENSOR MEASURE POINT TO TENSION REFERENCE POINT					
NCNL	18.3	FEET	GR	26.8	FEET
FFDC	3.0	FEET	FCNL	18.3	FEET
CALI	3.0	FEET	NFDC	3.0	FEET
NRAT	18.3	FEET	TENS	.0	FEET

PARAMETERS

