

GL02616

Schlumberger

TEMPERATURE LOG

CASSIA (GEOHERMAL) FIELD or LOCATION RAFT RIVER RRGE #1 COUNTY CASSIA STATE IDAHO COMPANY AEROJET NUCLEAR	COMPANY	AEROJET NUCLEAR - INEL	
	WELL	RRGE #1	
	FIELD	RAFT RIVER GEOTHERMAL	
	COUNTY	CASSIA	STATE
LOCATION	NE/4 OF SW/4		Other Services:
Sec. 23	Twp. 15S	Rge. 26E	DIL CBL BHC-GR CAL. CNL-FDC-GR
Permanent Datum:	GL	Elev.: 4835	Elev.: K.B. ----
Log Measured From	GL	--- Ft. Above Perm. Datum	D.F. ----
Drilling Measured From	GL		G.L. 4835

Date	2-2-75	2-2-75	2-3-75
Run No.	ONE	TWO	THREE
Depth-Driller	4632	4632	4632
Depth-Logger	4620	4620	4620
Btm. Log Interval	4619	4619	4619
Top Log Interval	350	500	800
Casing-Driller	20 @ 900	20 @ 900	20 @ 900
Casing-Logger	900	900	900
Casing Size	1 30 To 40 2 20 To 900	1 30 To 40 2 20 To 900	1 30 To 40 2 20 To 900
Casing Weight	1 -- 2 94	1 -- 2 94	1 -- 2 94
Casing Thickness	1 -- 2 1/2"	1 -- 2 1/2"	1 -- 2 1/2"
Bit Size	1 26 To 900 2 12-1/4 To 4632	1 26 To 900 2 12-1/4 To 4632	1 26 To 900 2 12-1/4 To 4632
Type Fluid in Hole	WATER		
Dens. Visc.	---		
Time Since Circ.	7 HOURS	14 HOURS	25 HOURS
BHT	264°	266°	280°
Equip. Location	7710 R. S.	7710 R. S.	7710 R. S.
Recorded By	PARKS		
Witnessed By	STOKER		

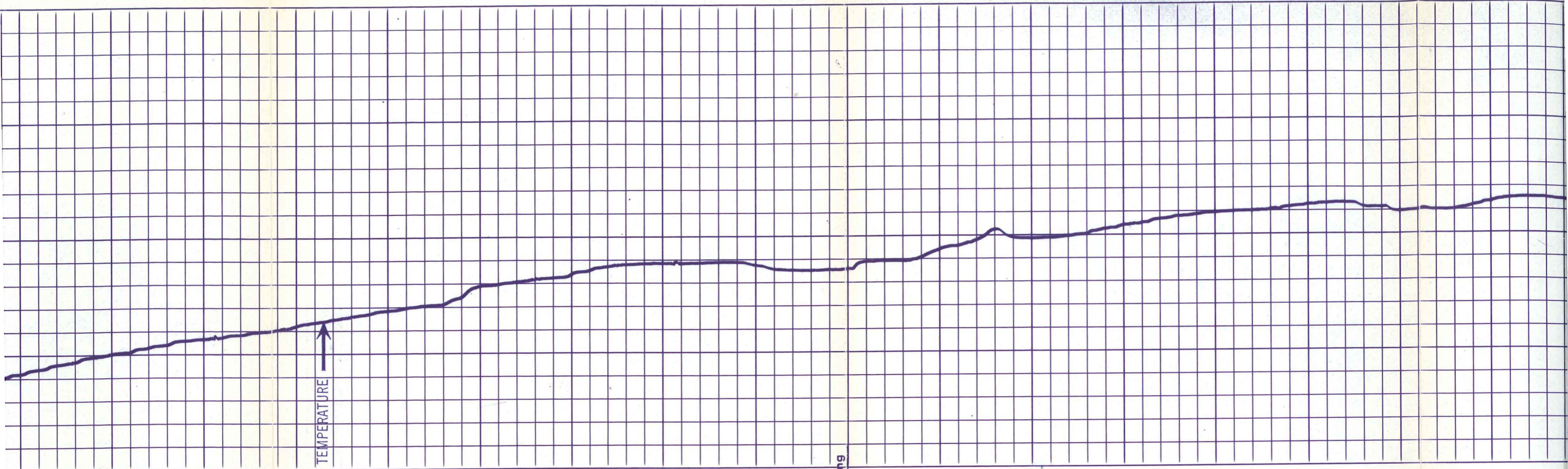
The well name, location and borehole reference data were furnished by the customer.

Date	2-9-75	2-9-75	2-9-75	2-9-75
Run No.	FOUR	FIVE	SIX	SEVEN
Depth-Driller	4632	4632	4632	4632
Depth-Logger (Schl.)	4610	4610	3050	4610
Btm. Log Interval	4610	4610	3050	4610
Top logged interval	850	875	20	900
Casing-Driller	20 @ 900	20 @ 900	20 @ 900	20 @ 900
Casing-Logger	900	900	900	900
Bit Size	12-1/4	12-1/4	12-1/4	12-1/4
Type Fluid in Hole	WATER			
Dens. Visc.	---			
pH Fluid Loss	---			
Source of Sample	---			
Rm @ Meas. Temp.	--- @ --- °F	--- @ --- °F	--- @ --- °F	--- @ --- °F
Rmf @ Meas. Temp.	--- @ --- °F	--- @ --- °F	--- @ --- °F	--- @ --- °F
Rmc @ Meas. Temp.	--- @ --- °F	--- @ --- °F	--- @ --- °F	--- @ --- °F
Source: Rmf Rmc	---	---	---	---
Rm @ BHT	--- @ --- °F	--- @ --- °F	--- @ --- °F	--- @ --- °F
TIME SINCE CIRCULATION	6 HOURS	8 HOURS	10 HOURS	3 HOURS
Max. Rec. Temp.	280 °F	280 °F	250 °F	291 °F
Equip. Location	7726 R. S.	7726 R. S.	7726 R. S.	7726 R. S.
Recorded By	SELAN			
Witnessed By Mr.	STOKER			
Permanent Datum:	GL	Elev.: 4835	Elev.: K.B. ----	
Log Measured From	GL	--- Ft. Above Perm. Datum	D.F. ----	
Drilling Measured From	GL		G.L. 4835	

Date	2-9-75	2-10-75	2-10-75	2-10-75
Run No.	TWELVE	THIRTEEN	FOURTEEN	FIFTEEN
Depth-Driller	4632	4632	4632	4632
Depth-Logger (Schl.)	4610	4617	4617	4617
Btm. Log Interval	2200	4616	4616	4616
Top Log Interval	1590	900	900	1300
Casing-Driller	20 @ 900	20 @ 900	20 @ 900	20 @ 900
Casing-Logger	900	900	900	900
Bit Size	12-1/4	12-1/4	12-1/4	12-1/4
Type Fluid in Hole	WATER			
Dens. Visc.	---			
pH Fluid Loss	---			
Source of Sample	---			
Rm @ Meas. Temp.	--- @ --- °F	--- @ --- °F	--- @ --- °F	--- @ --- °F
Rmf @ Meas. Temp.	--- @ --- °F	--- @ --- °F	--- @ --- °F	--- @ --- °F
Rmc @ Meas. Temp.	--- @ --- °F	--- @ --- °F	--- @ --- °F	--- @ --- °F
Source: Rmf Rmc	---	---	---	---
Rm @ BHT	--- @ --- °F	--- @ --- °F	--- @ --- °F	--- @ --- °F
TIME SINCE CIRCULATION	8 HOURS	3 HOURS	4 HOURS	5 1/2 HOURS
Max. Rec. Temp.	270 °F	277 °F	277 °F	291 °F
Equip. Location	7726 R. S.	7726 R. S.	7726 R. S.	7726 R. S.
Recorded By	SELAN			
Witnessed By Mr.	STOKER			

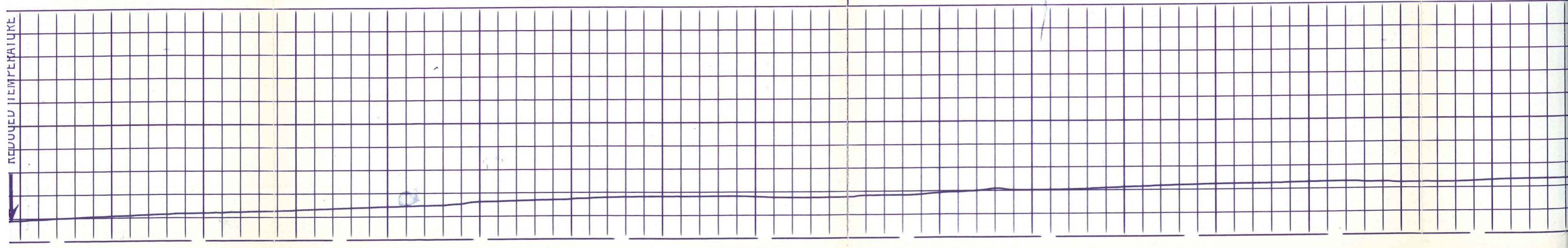
Date	2-9-75	2-9-75
Run No.	EIGHT	NINE
Depth-Driller	4632	4632
Depth-Logger (Schl.)	4610	4610
Btm. Log Interval	4610	2100
Top logged interval	900	900
Casing-Driller	20 @ 900	20 @ 900
Casing-Logger	900	900
Bit Size	12-1/4	12-1/4
Type Fluid in Hole	WATER	
Dens. Visc.	---	
pH Fluid Loss	---	
Source of Sample	---	
Rm @ Meas. Temp.	--- @ --- °F	--- @ --- °F
Rmf @ Meas. Temp.	--- @ --- °F	--- @ --- °F
Rmc @ Meas. Temp.	--- @ --- °F	--- @ --- °F
Source: Rmf Rmc	---	---
Rm @ BHT	--- @ --- °F	--- @ --- °F
TIME SINCE CIRCULATION	5 HOURS	6 HOURS
Max. Rec. Temp.	291 °F	261 °F
Equip. Location	7726 R. S.	7726 R. S.
Recorded By	SELAN	
Witnessed By Mr.	STOKER	
Permanent Datum:	GL	Elev.: ----
Log Measured From	GL	--- Ft. Above Perm. Datum
Drilling Measured From	GL	

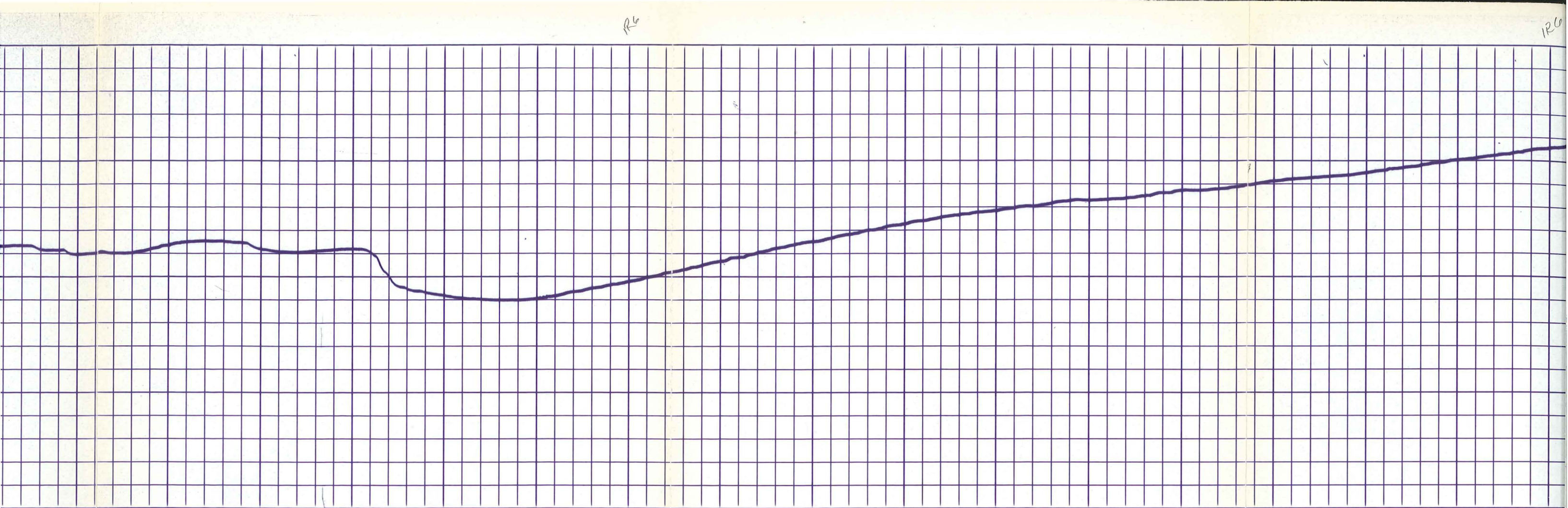
Date	2-10-75	4-6-75
Run No.	SIXTEEN	SEVENTEEN
Depth-Driller	4632	5007
Depth-Logger (Schl.)	4617	5000
Btm. Log Interval	4616	5000
Top Log Interval	30	920
Casing-Driller	20 @ 900	13-3/8@3624
Casing-Logger	900	---
Bit Size	12-1/4	12-1/4
Type Fluid in Hole	WATER	FORM. WATER
Dens. Visc.	---	
pH Fluid Loss	---	
Source of Sample	---	
Rm @ Meas. Temp.	--- @ --- °F	--- @ --- °F
Rmf @ Meas. Temp.	--- @ --- °F	--- @ --- °F
Rmc @ Meas. Temp.	--- @ --- °F	--- @ --- °F
Source: Rmf Rmc	---	---
Rm @ BHT	--- @ --- °F	--- @ --- °F
TIME SINCE CIRCULATION	6 1/2 HOURS	FLOWING
Max. Rec. Temp.	292 °F	290 °F
Equip. Location	7726 R. S.	8002 R. S.
Recorded By	SELAN	PARKS
Witnessed By Mr.	STOKER	MILLER



500 600 700 800 900 1000 1100 1200

9 Casing





1200

1300

1400

RG
1500

1600

1700

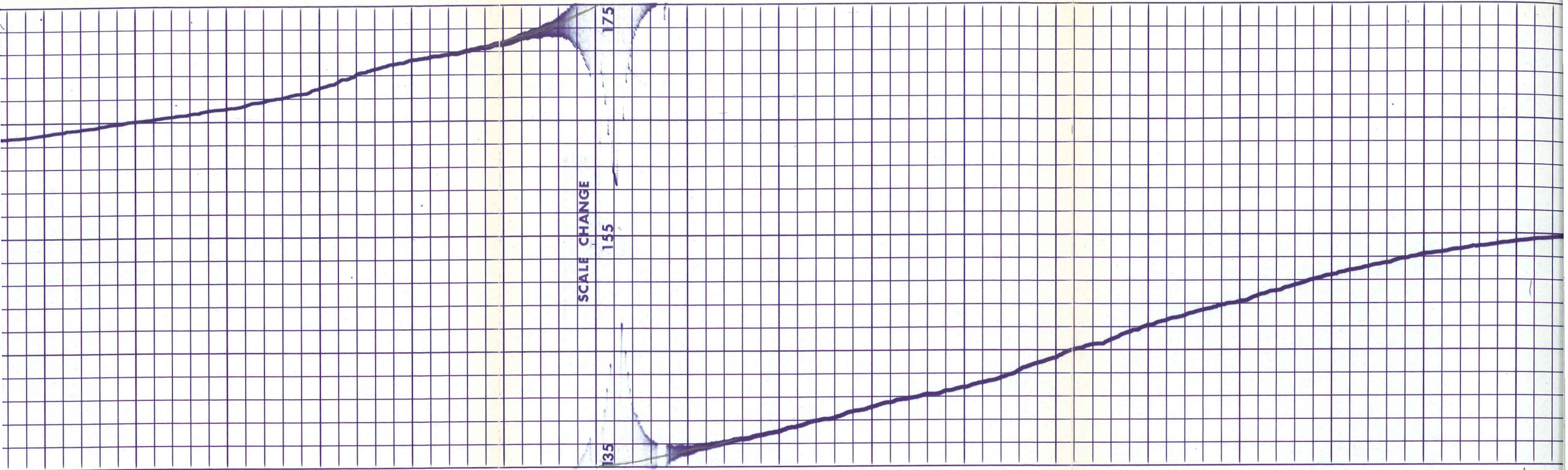
1800

1900

RG
2000

126

126



1900

2000

2100

2200

2300

2400

2500

2600

2700

SCALE CHANGE

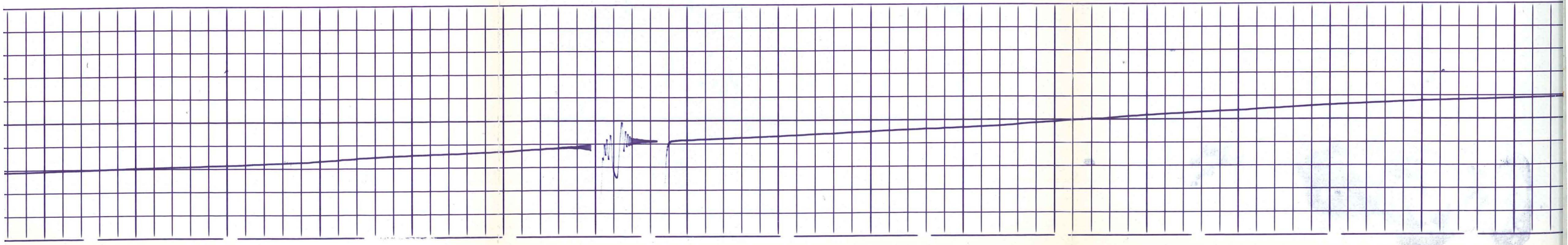
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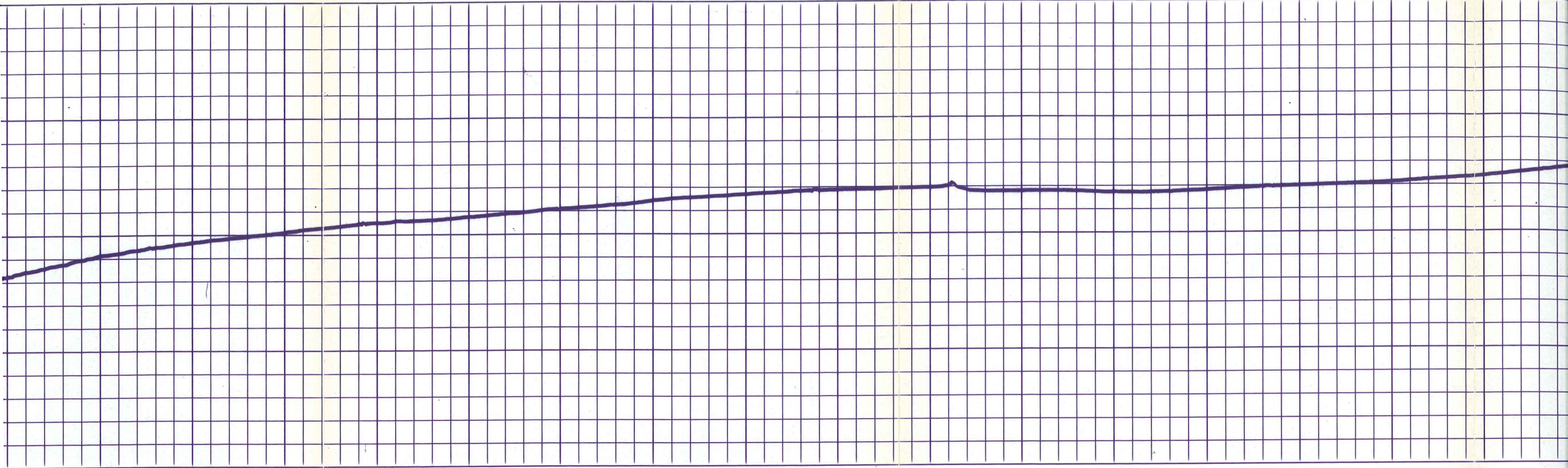
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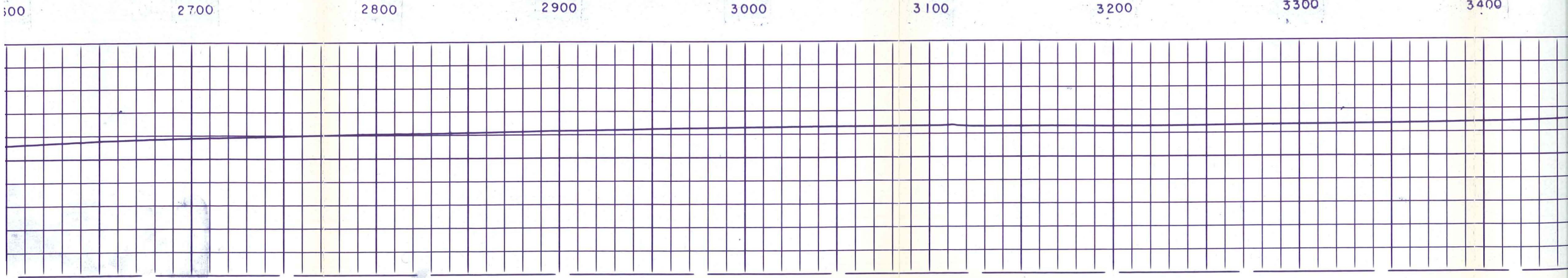
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126



126

126



300

2700

2800

2900

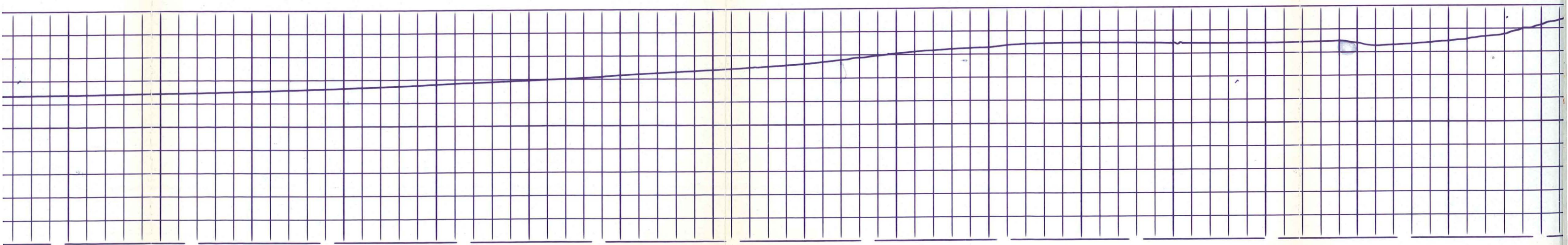
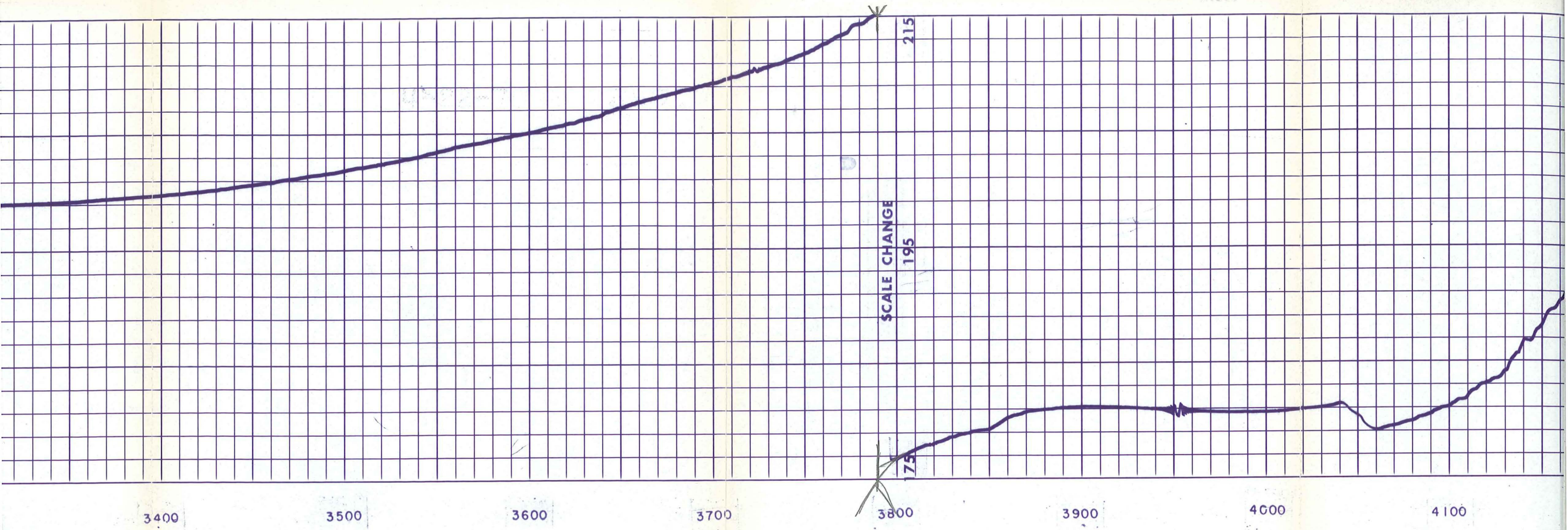
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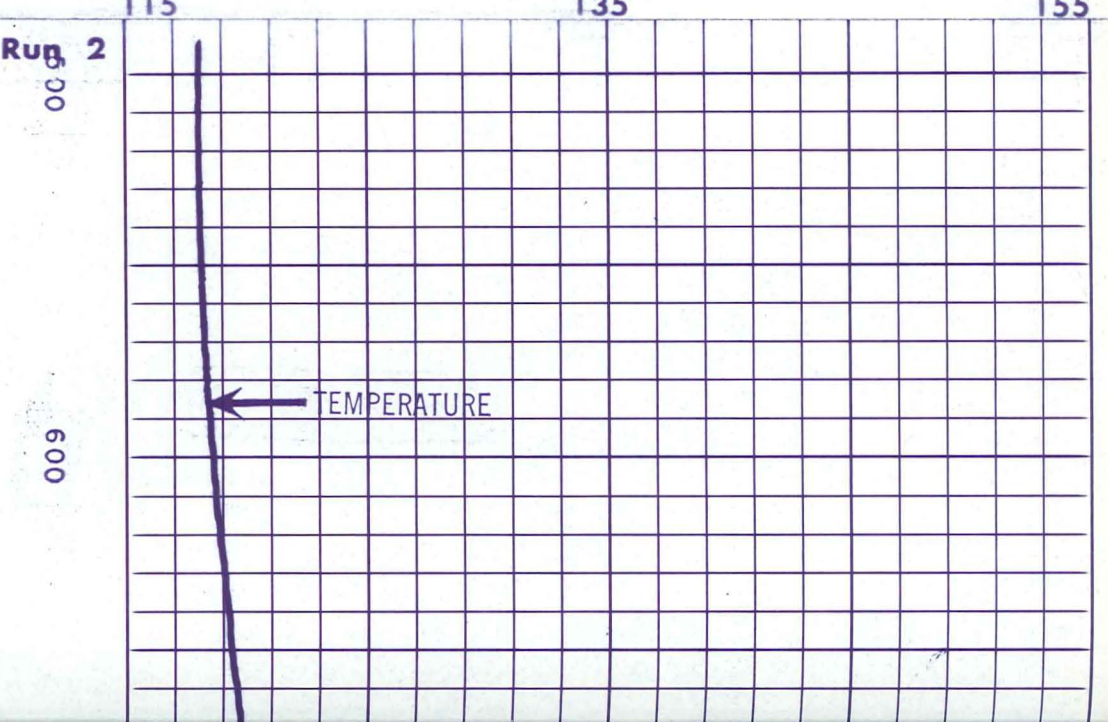
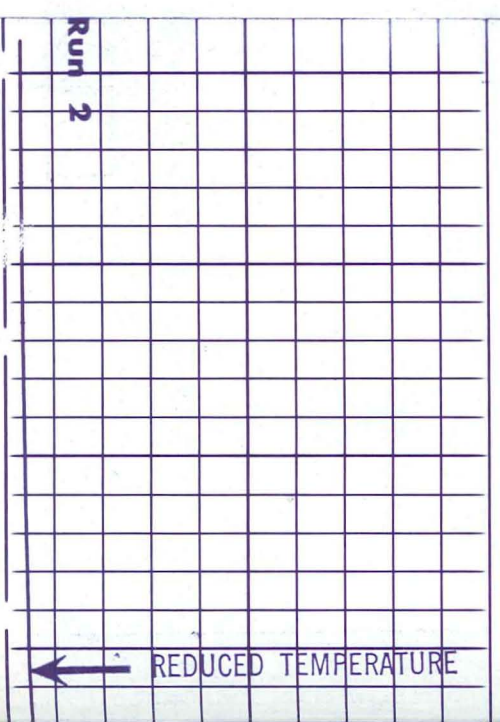
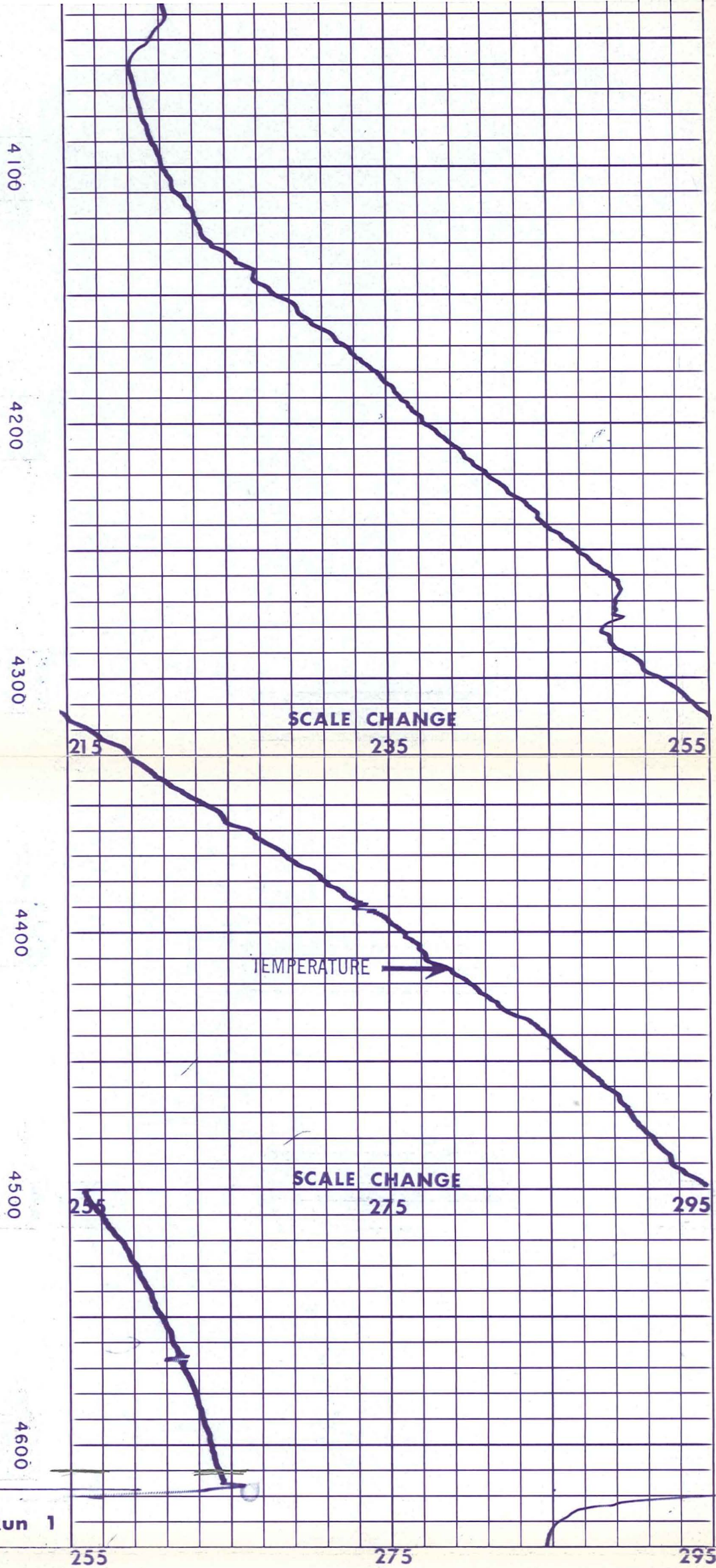
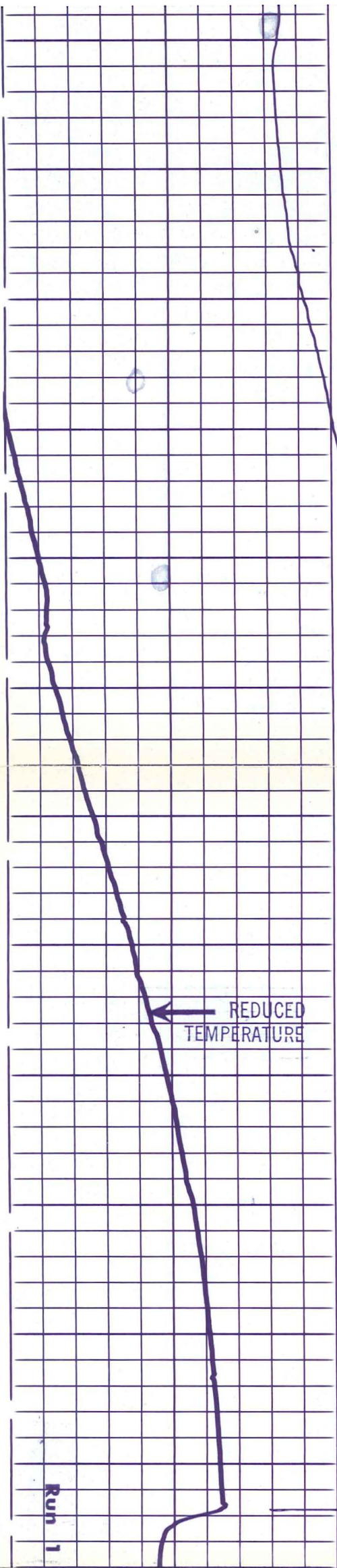
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3200

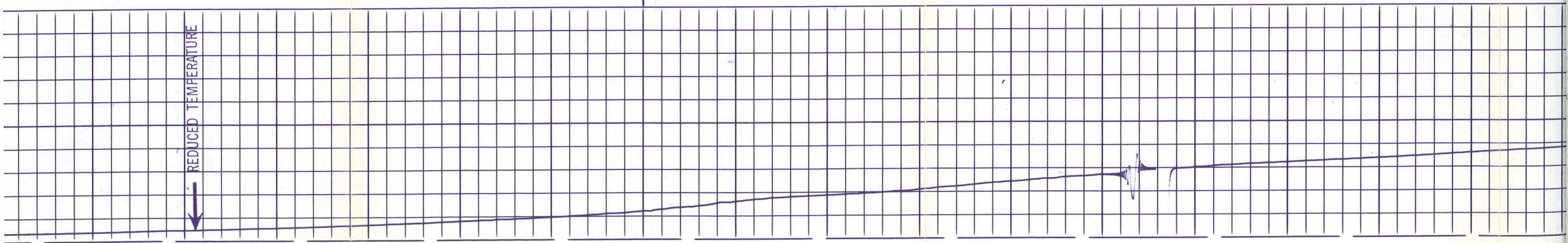
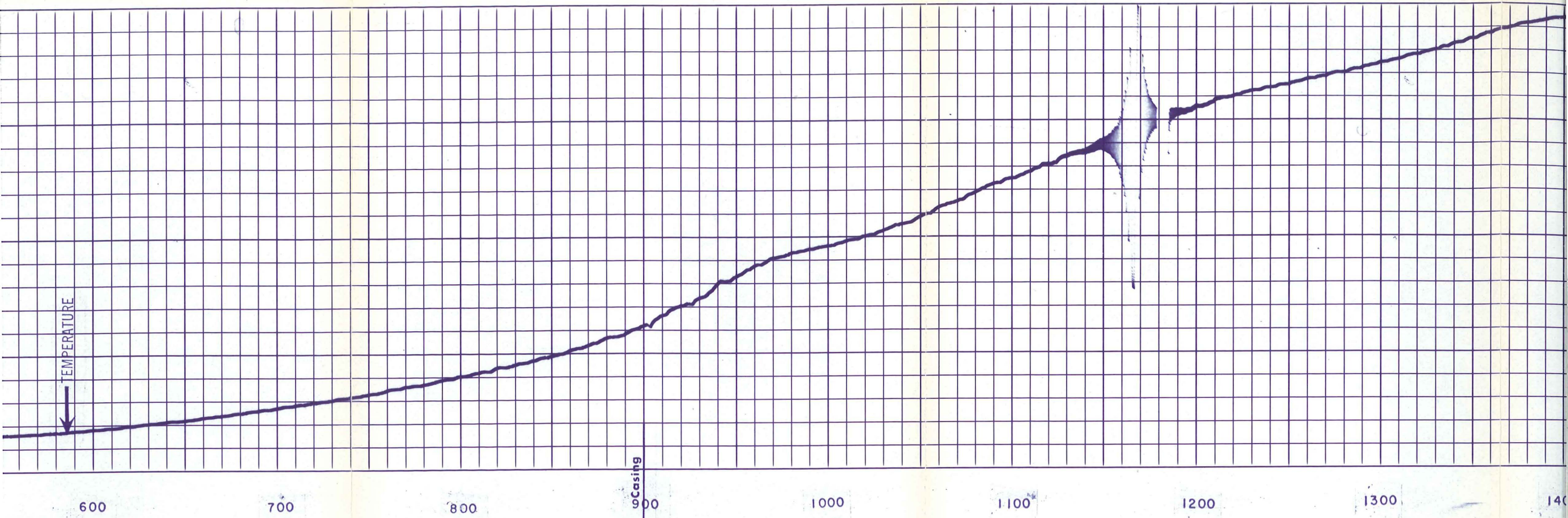
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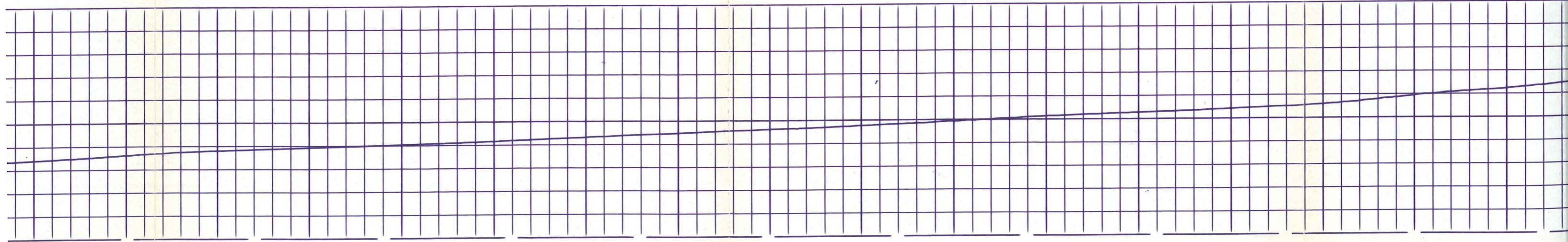
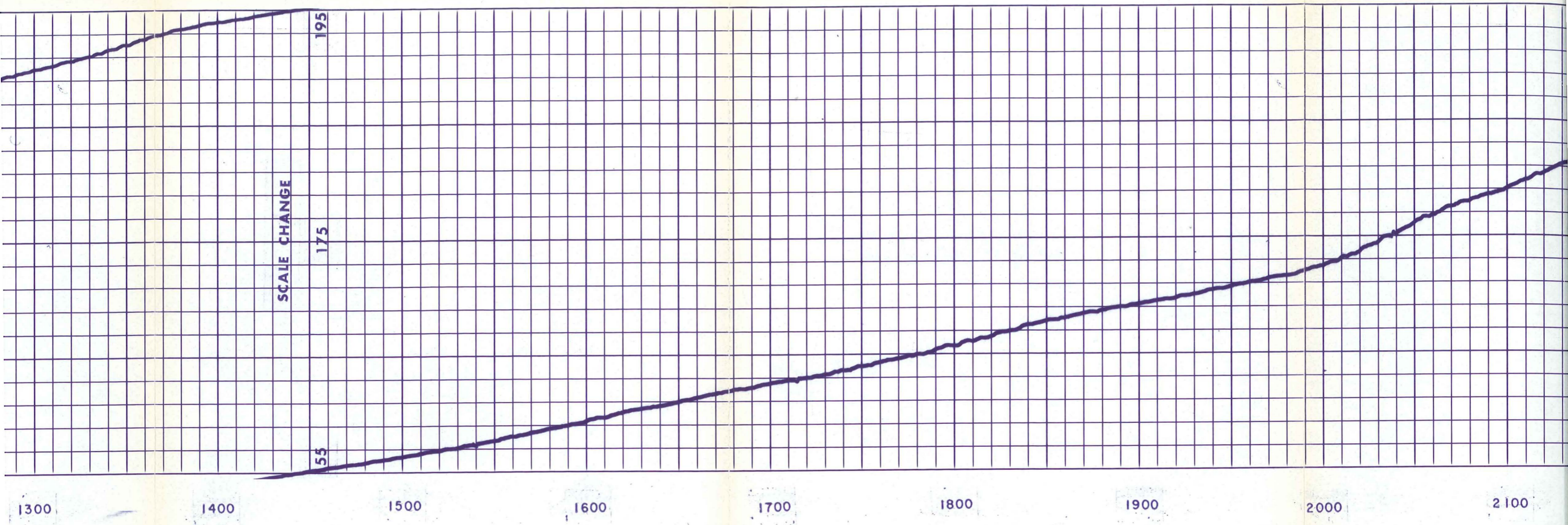
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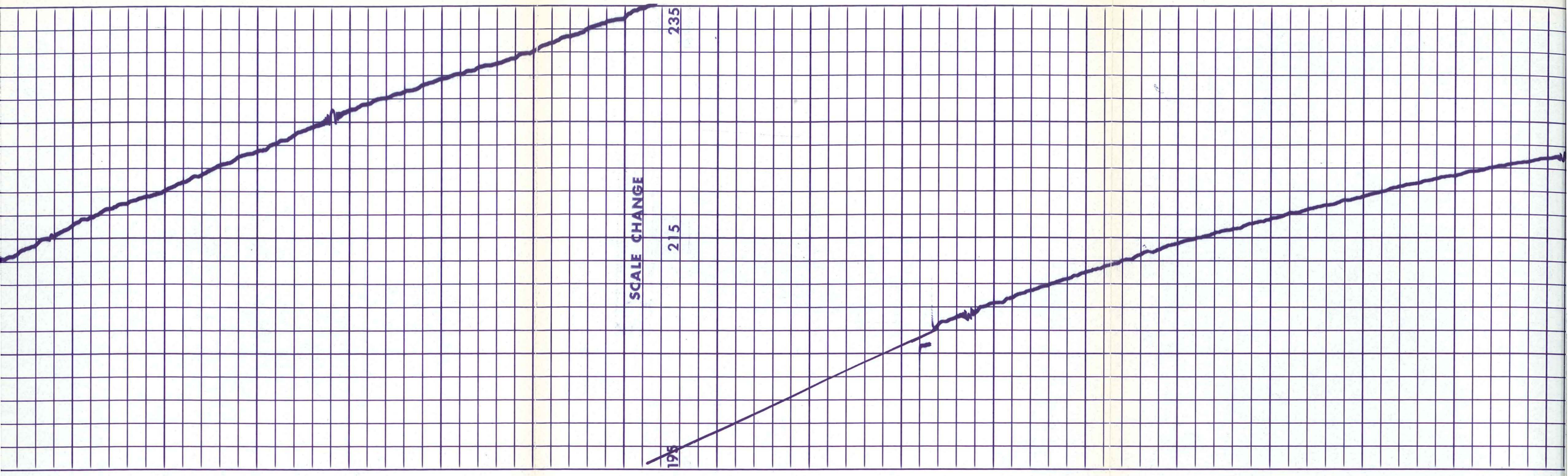




SCALE CHANGE







2100

2200

2300

2400

2500

2600

2700

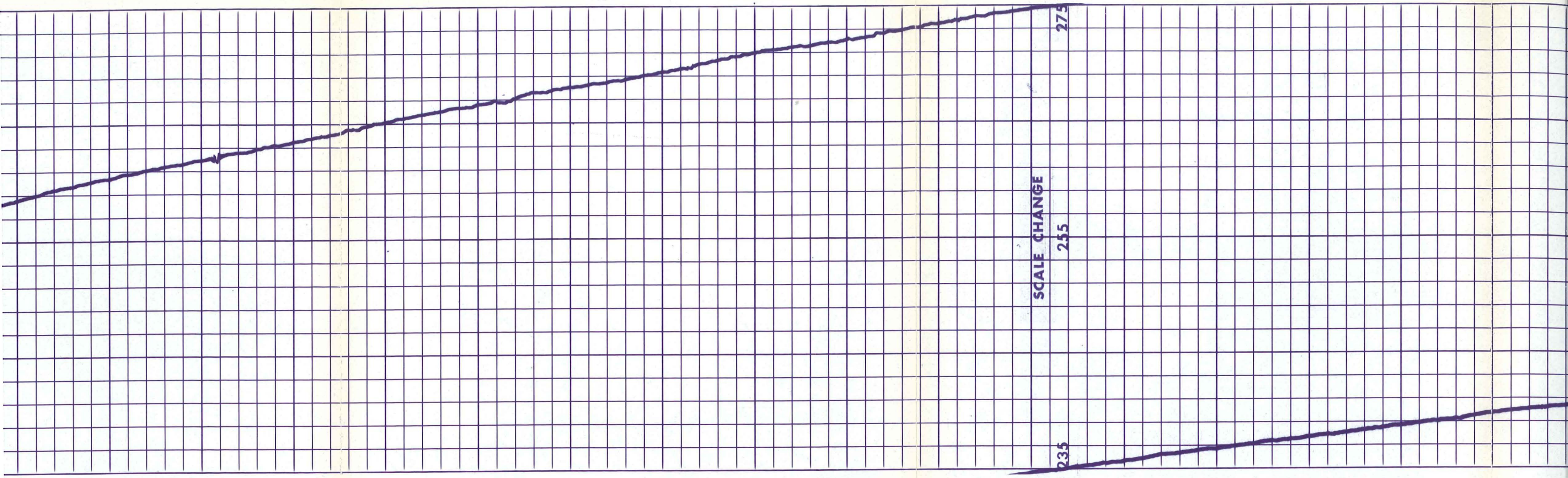
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SCALE CHANGE

235

215

195



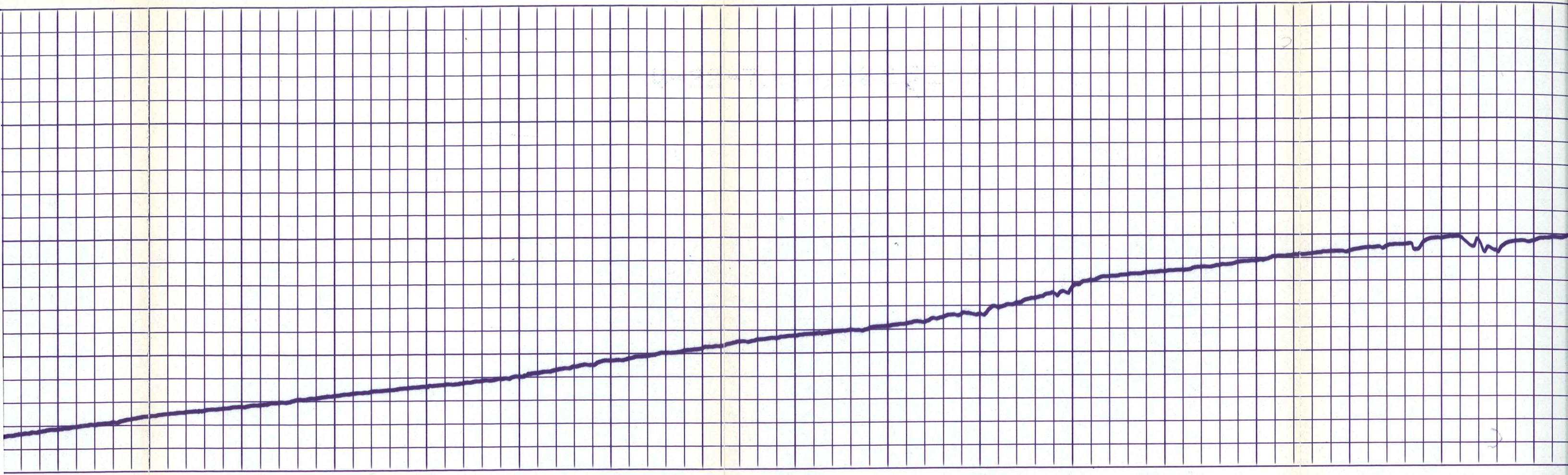
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SCALE CHANGE

275

255

235



3500

3600

3700

3800

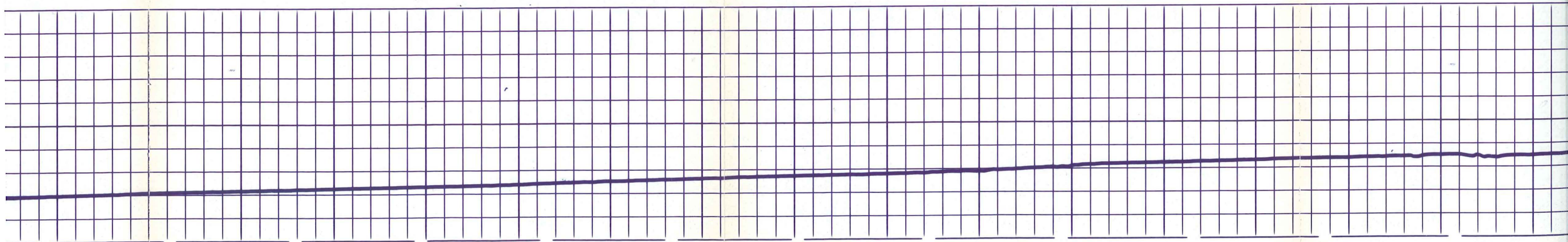
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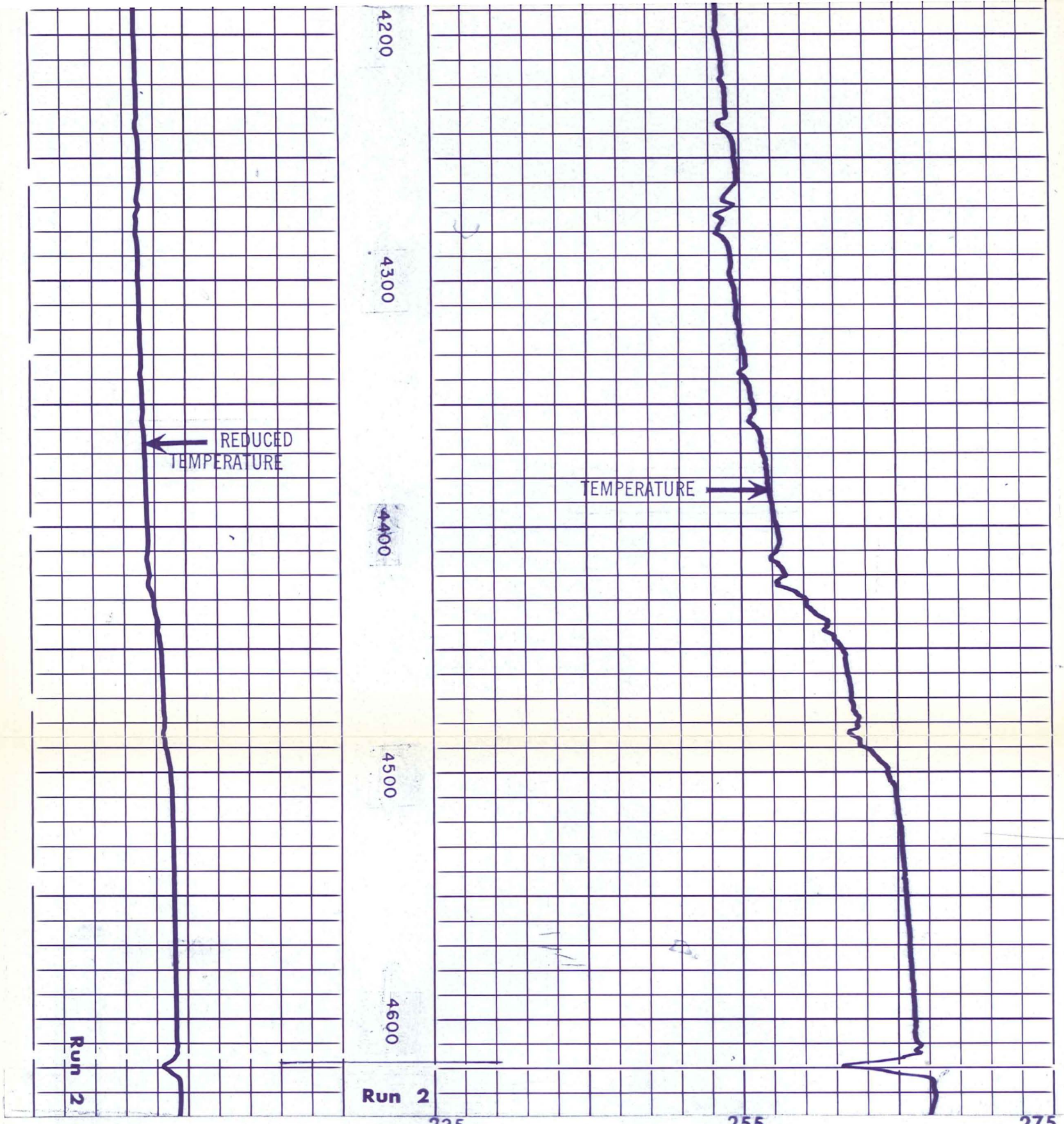
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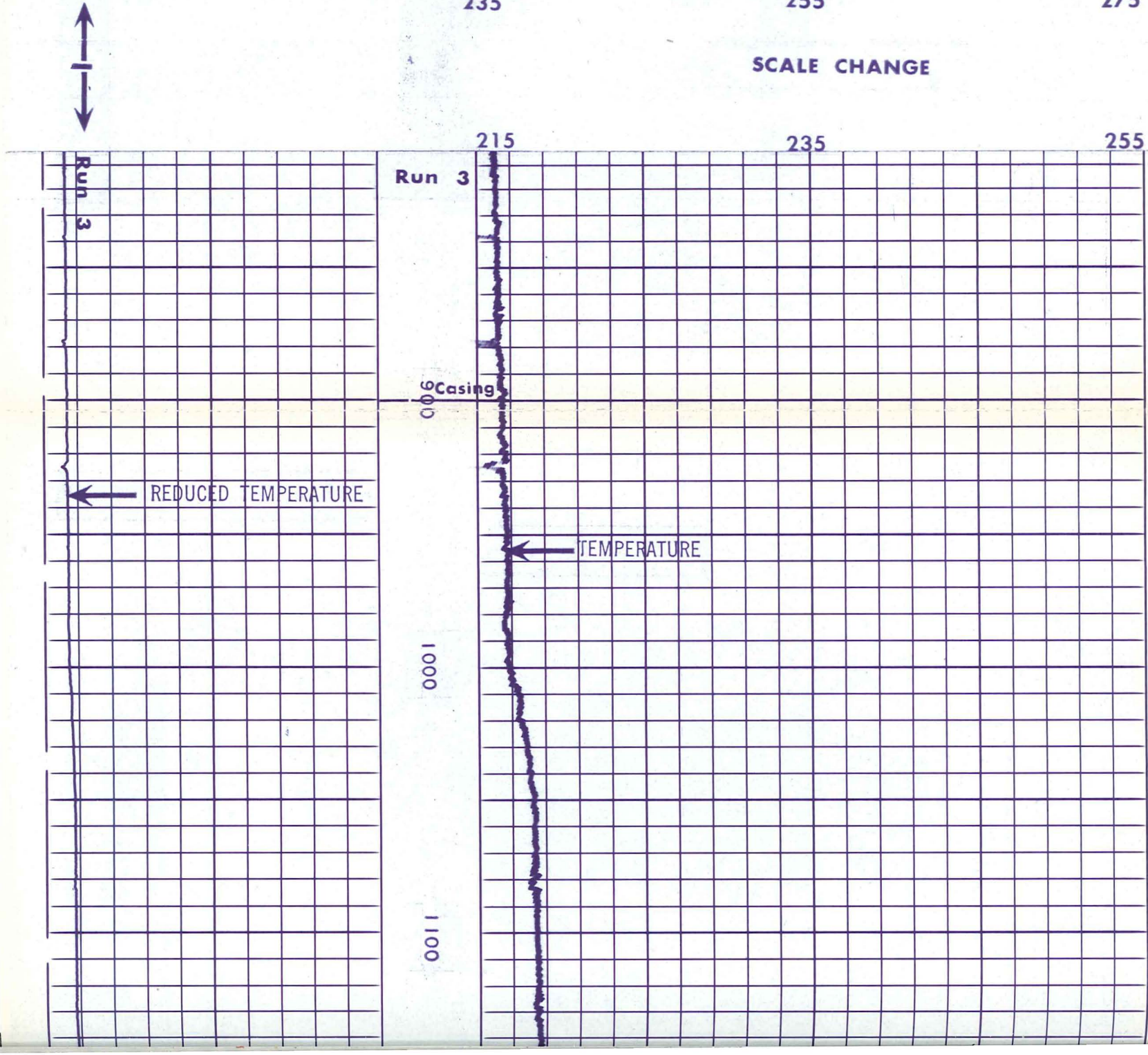
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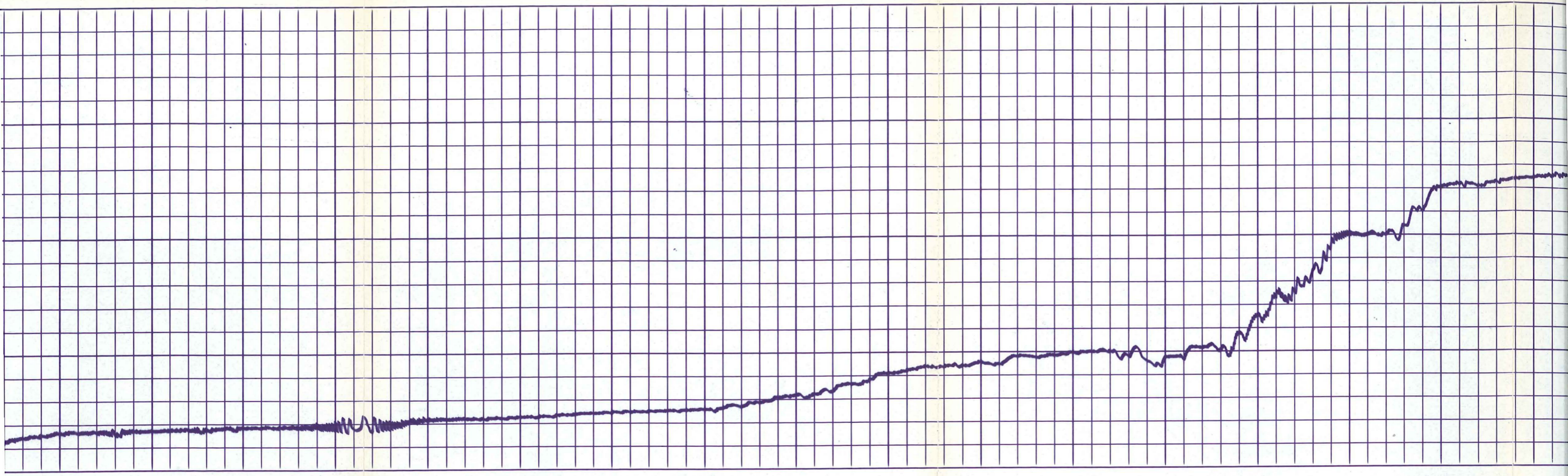
4300





SCALE CHANGE





1100

1200

1300

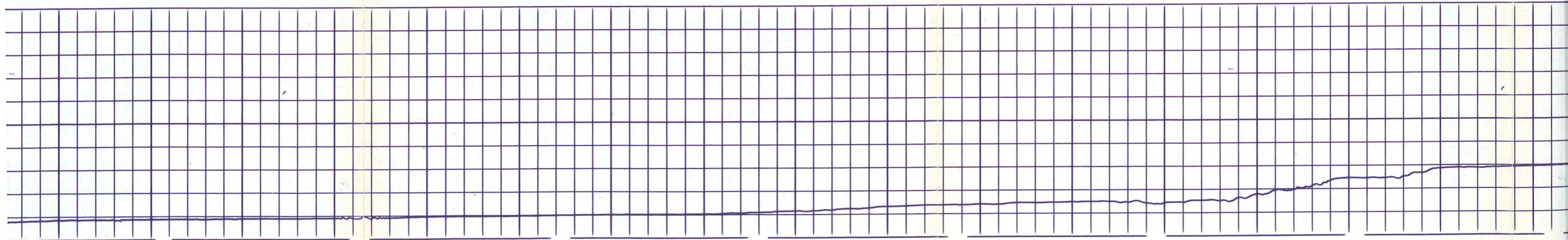
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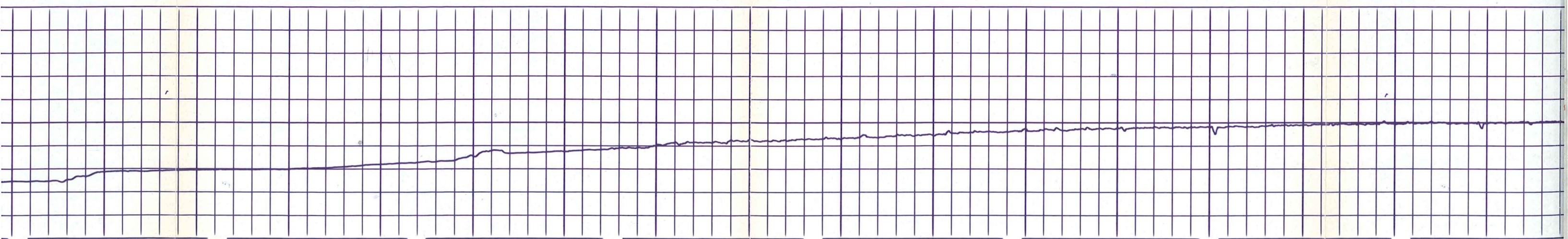
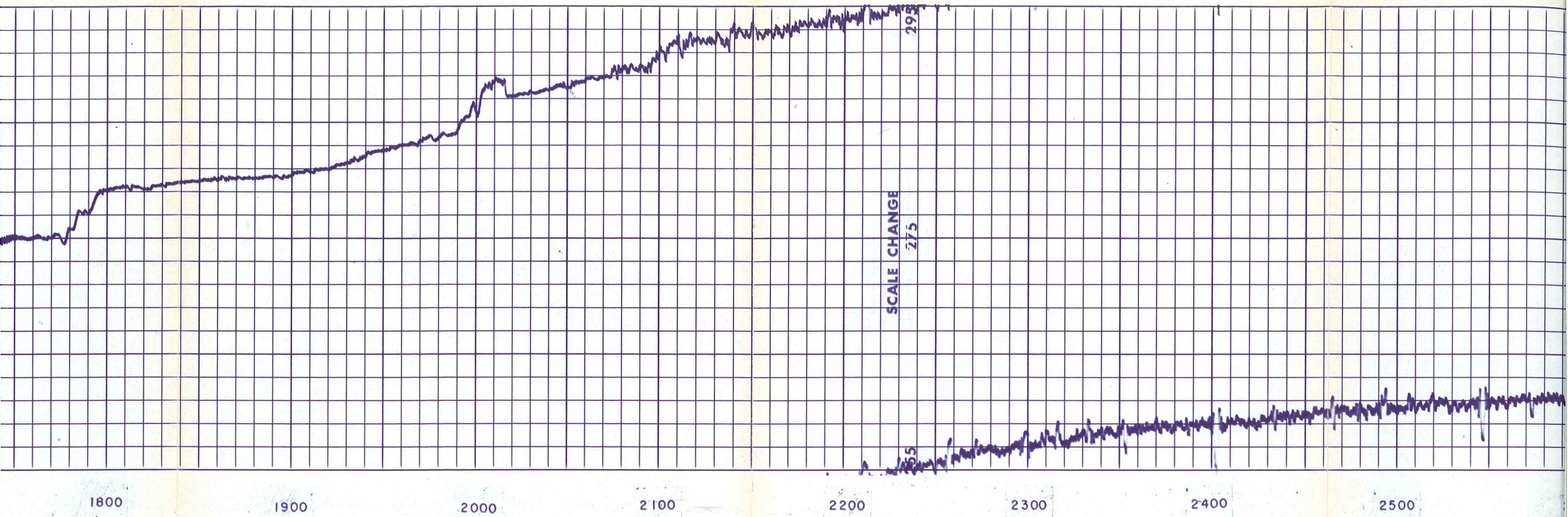
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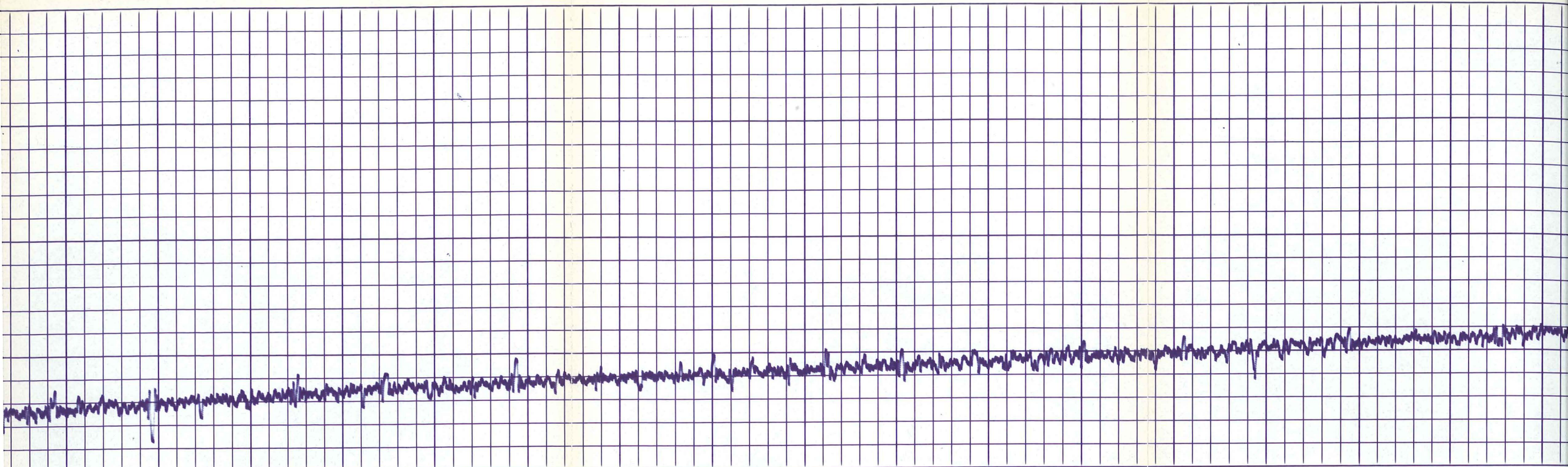
1600

1700

1800







2500

2600

2700

2800

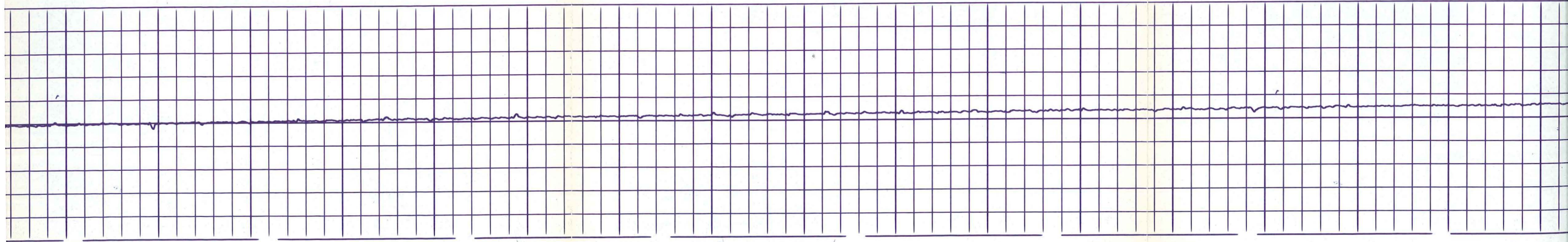
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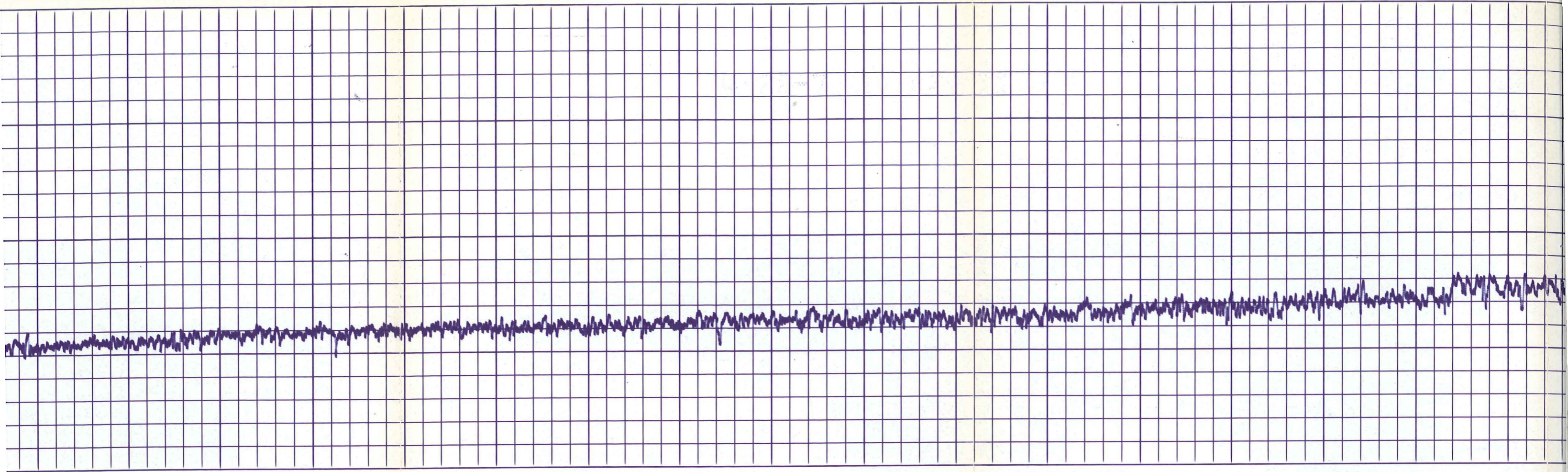
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3100

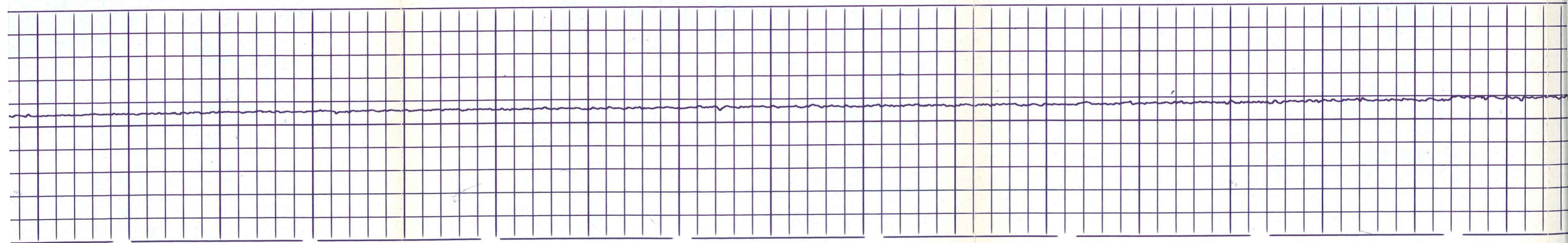
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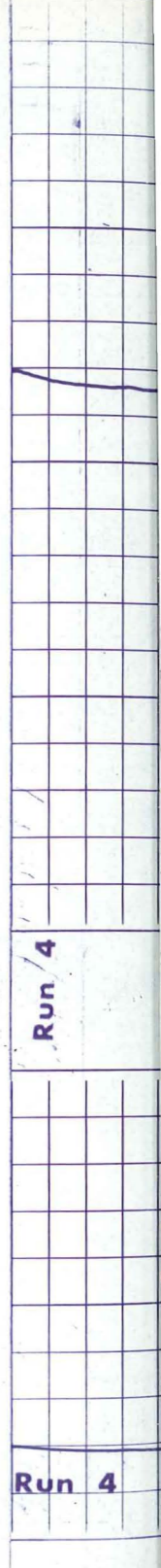
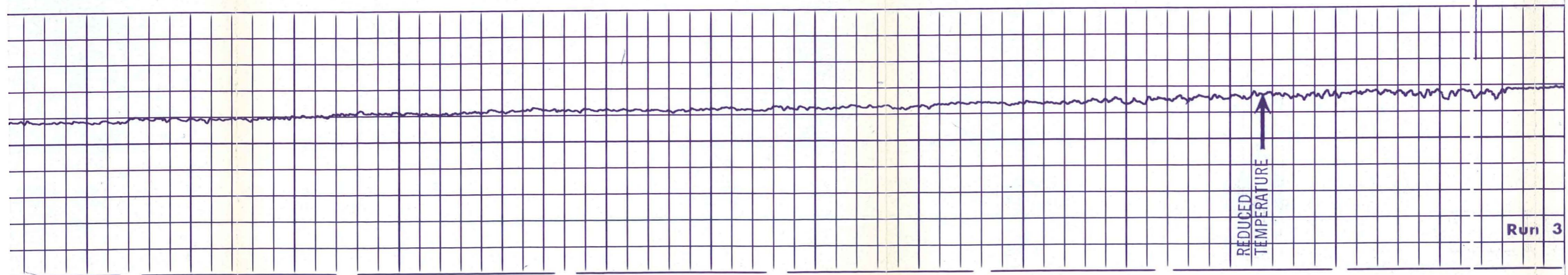
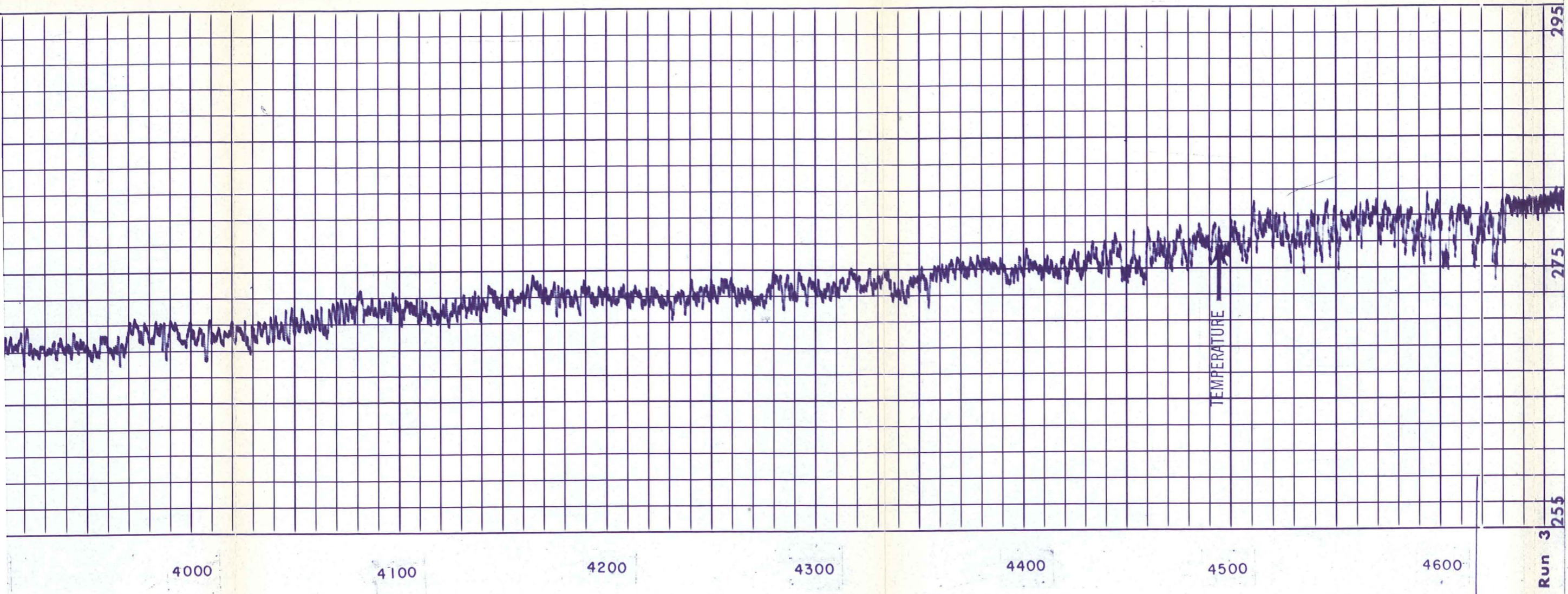
3300





3200 3300 3400 3500 3600 3700 3800 3900 4000





295

275

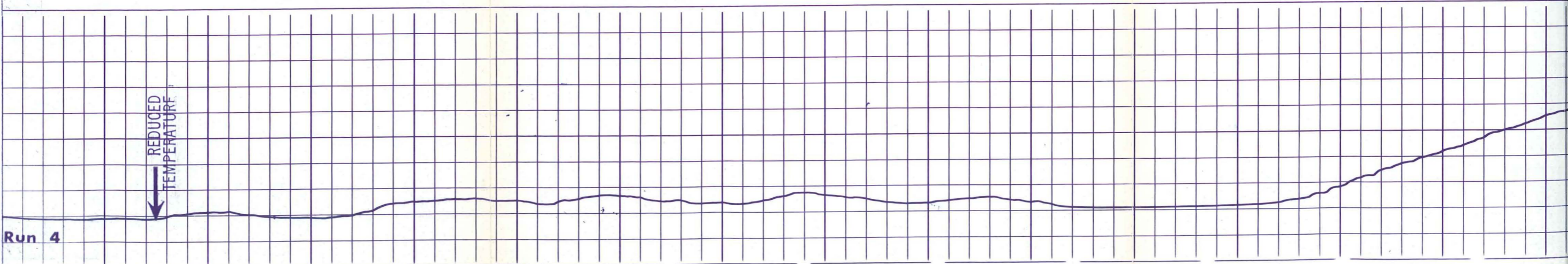
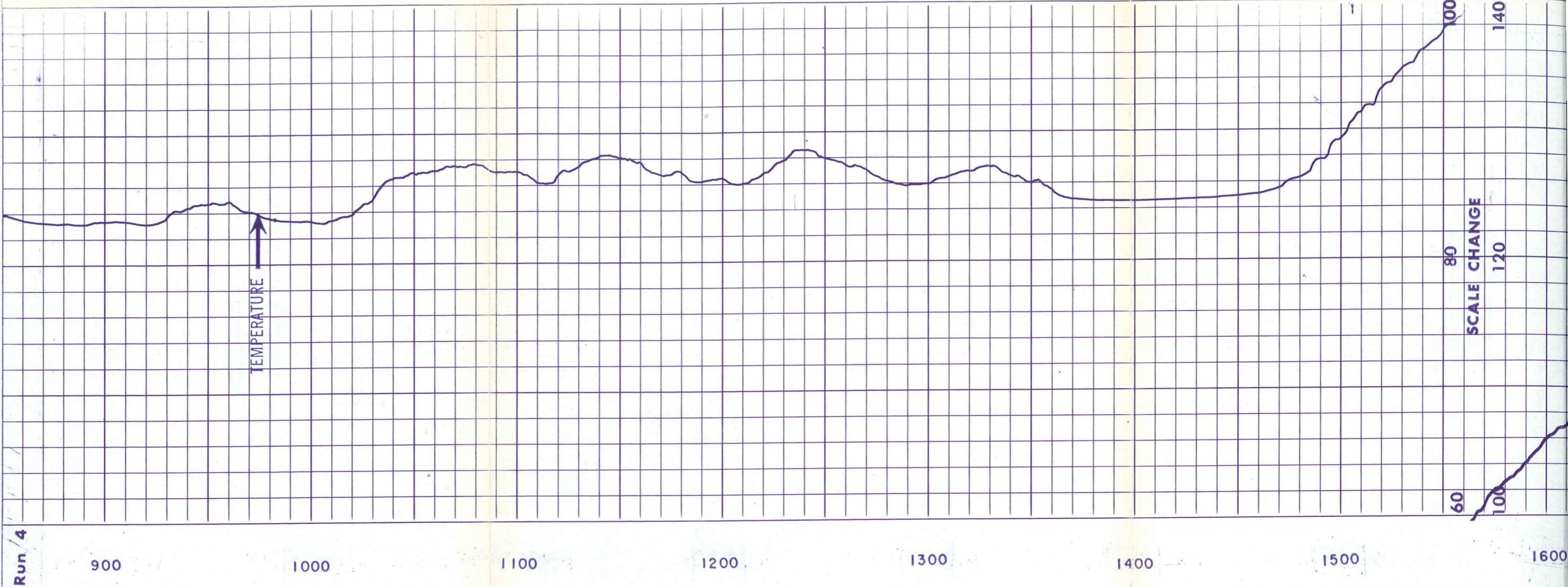
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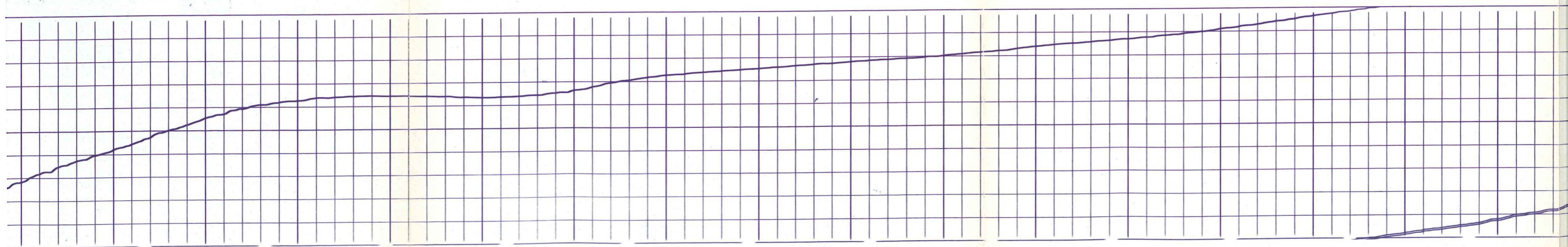
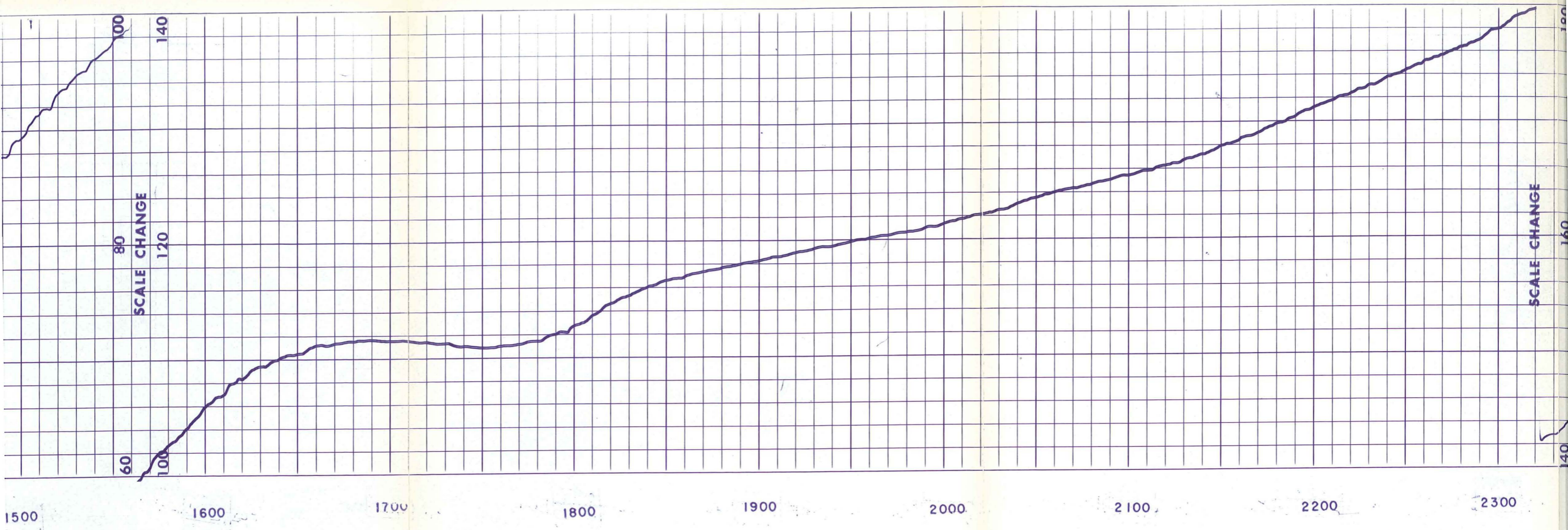
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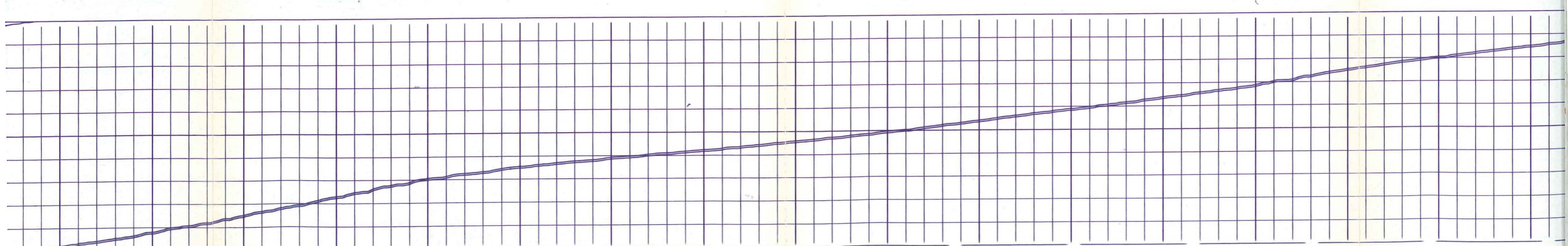
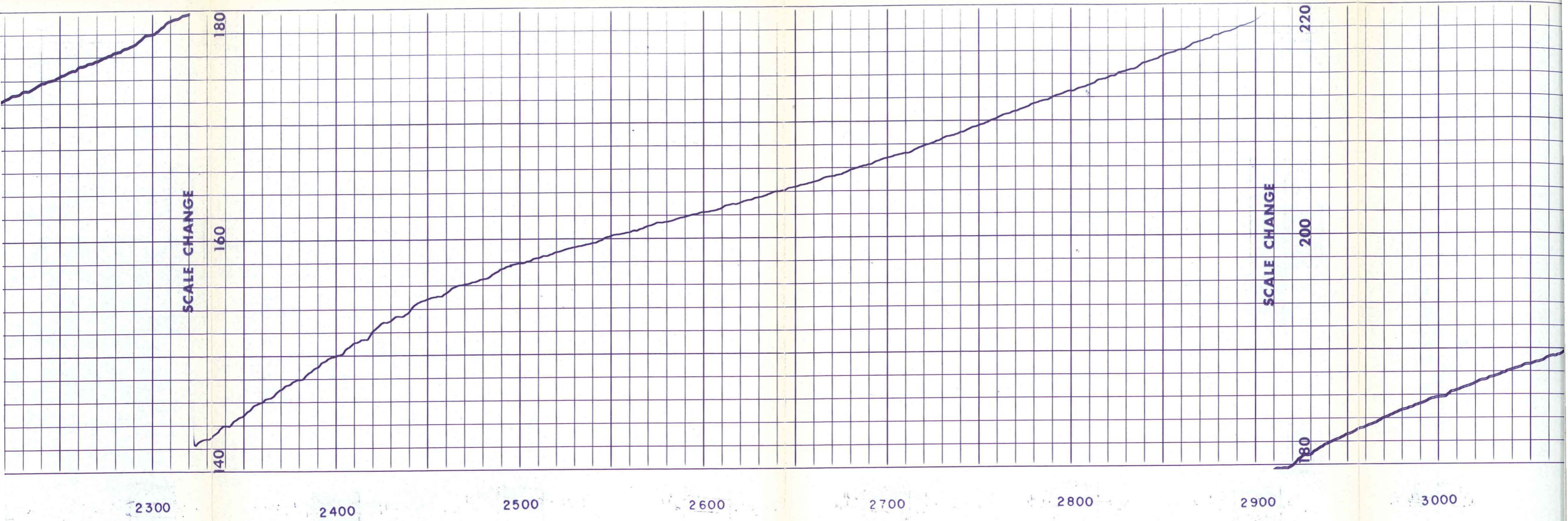


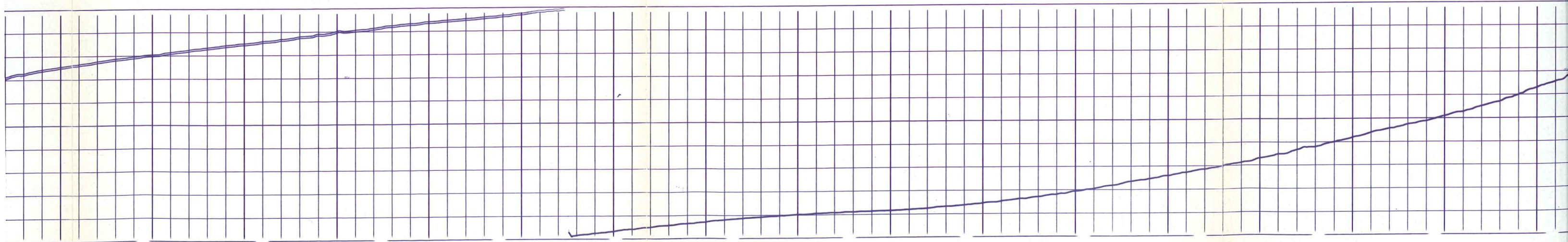
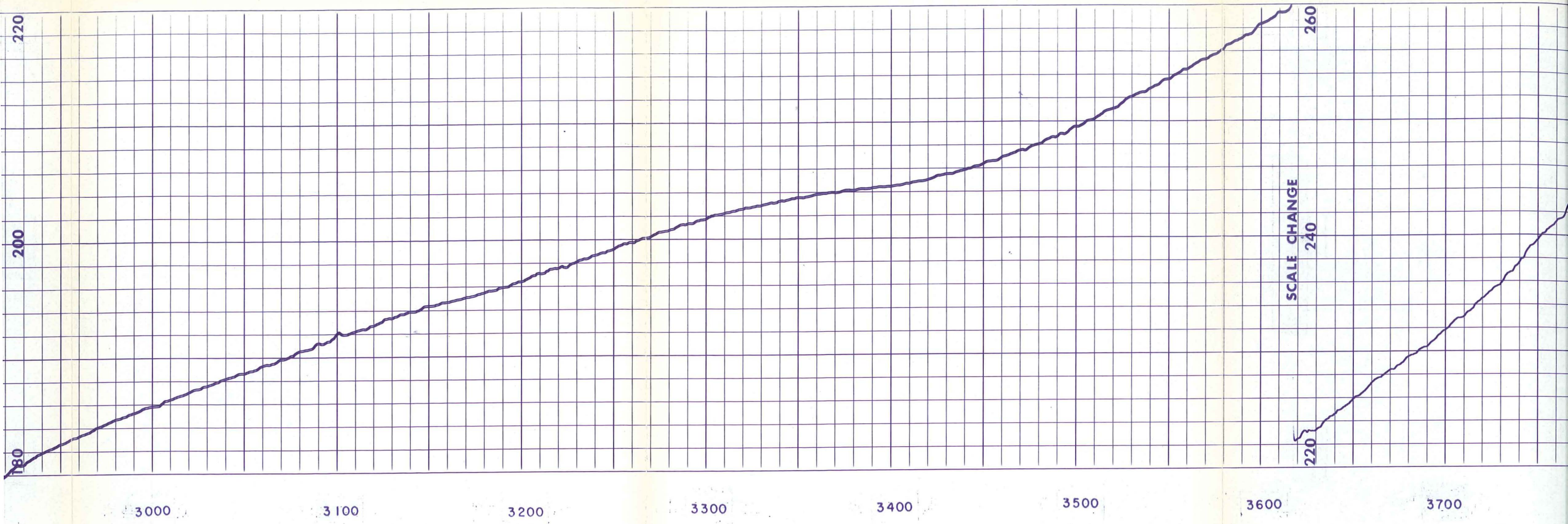
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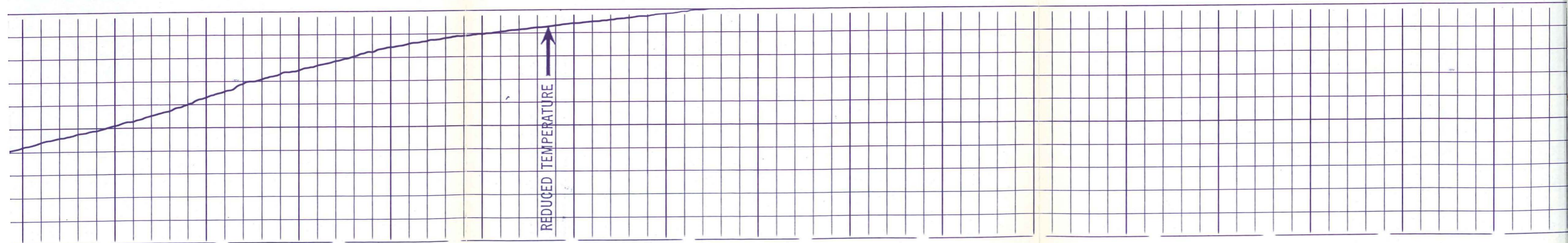
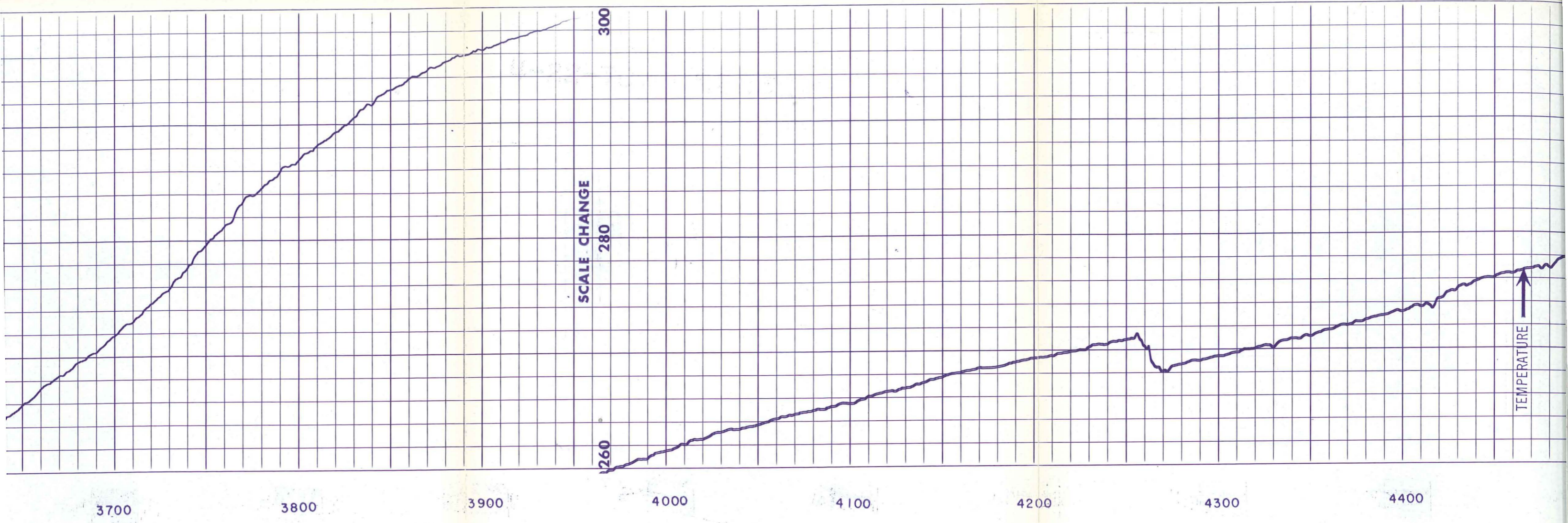
Run 4

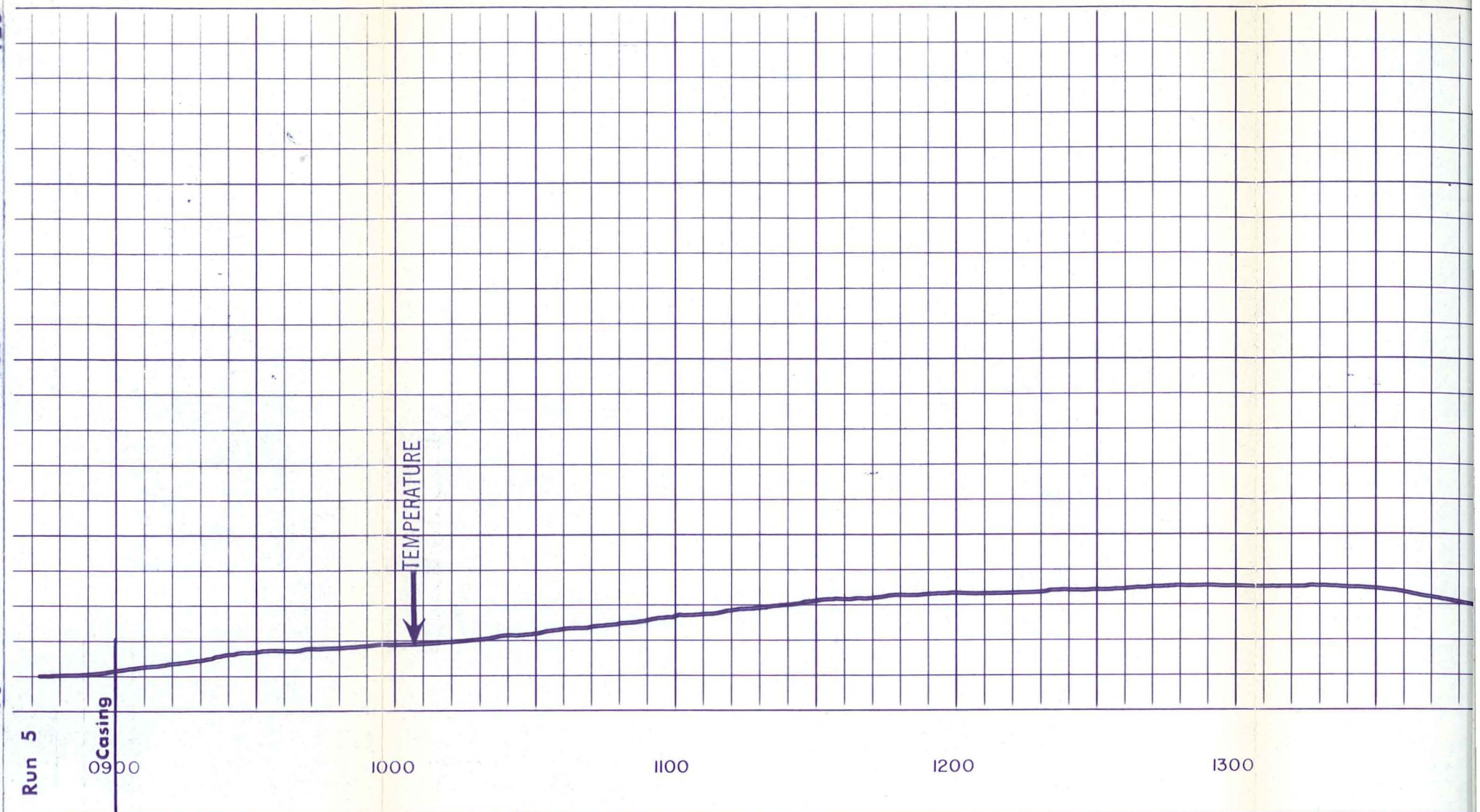
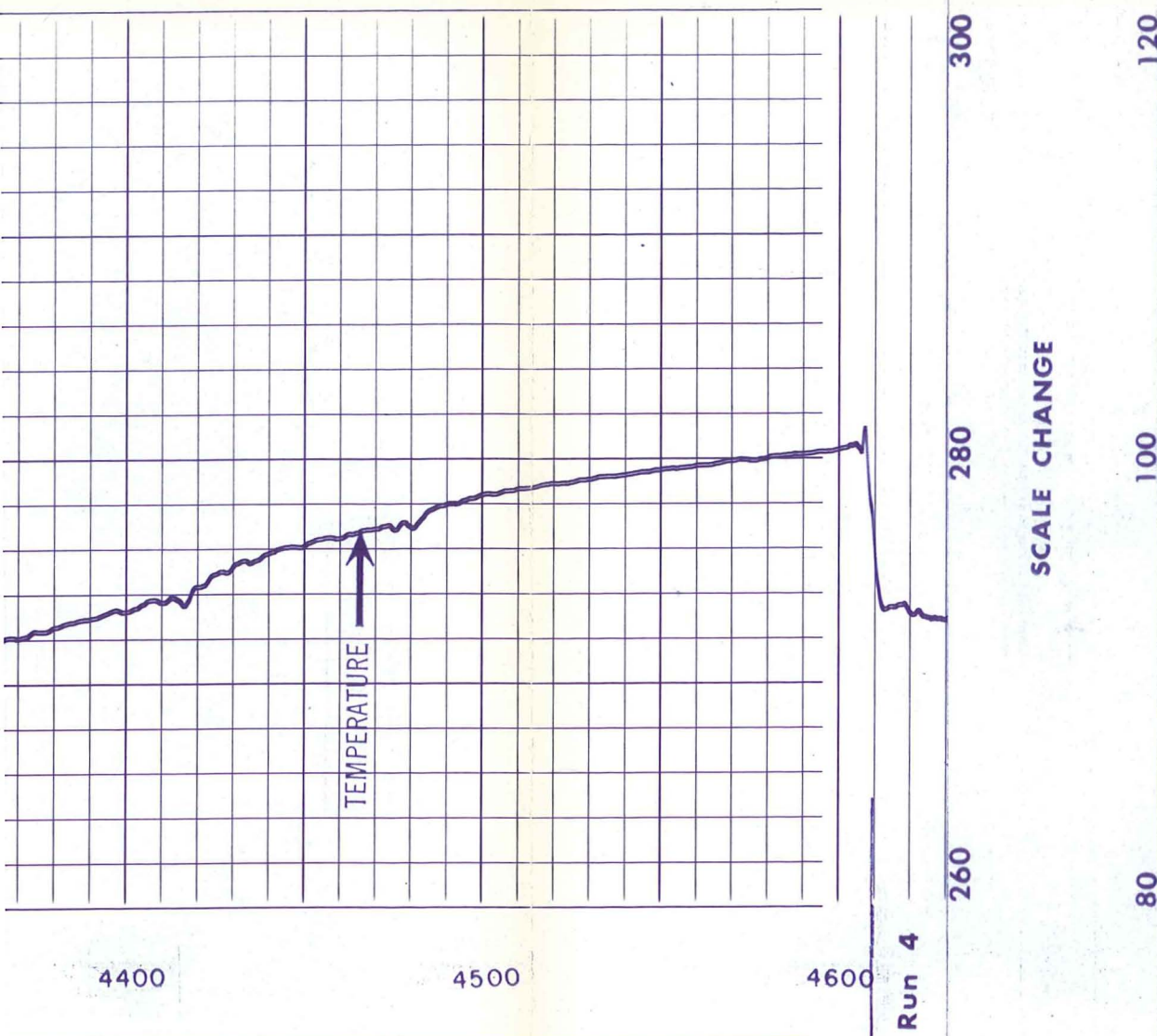






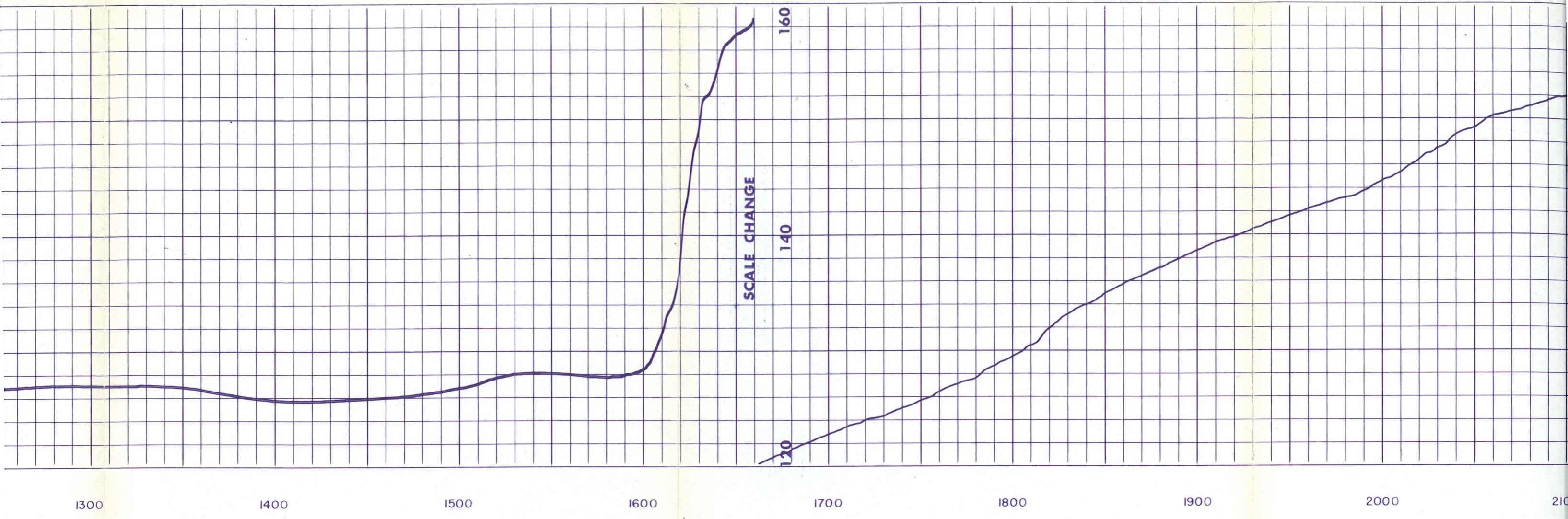


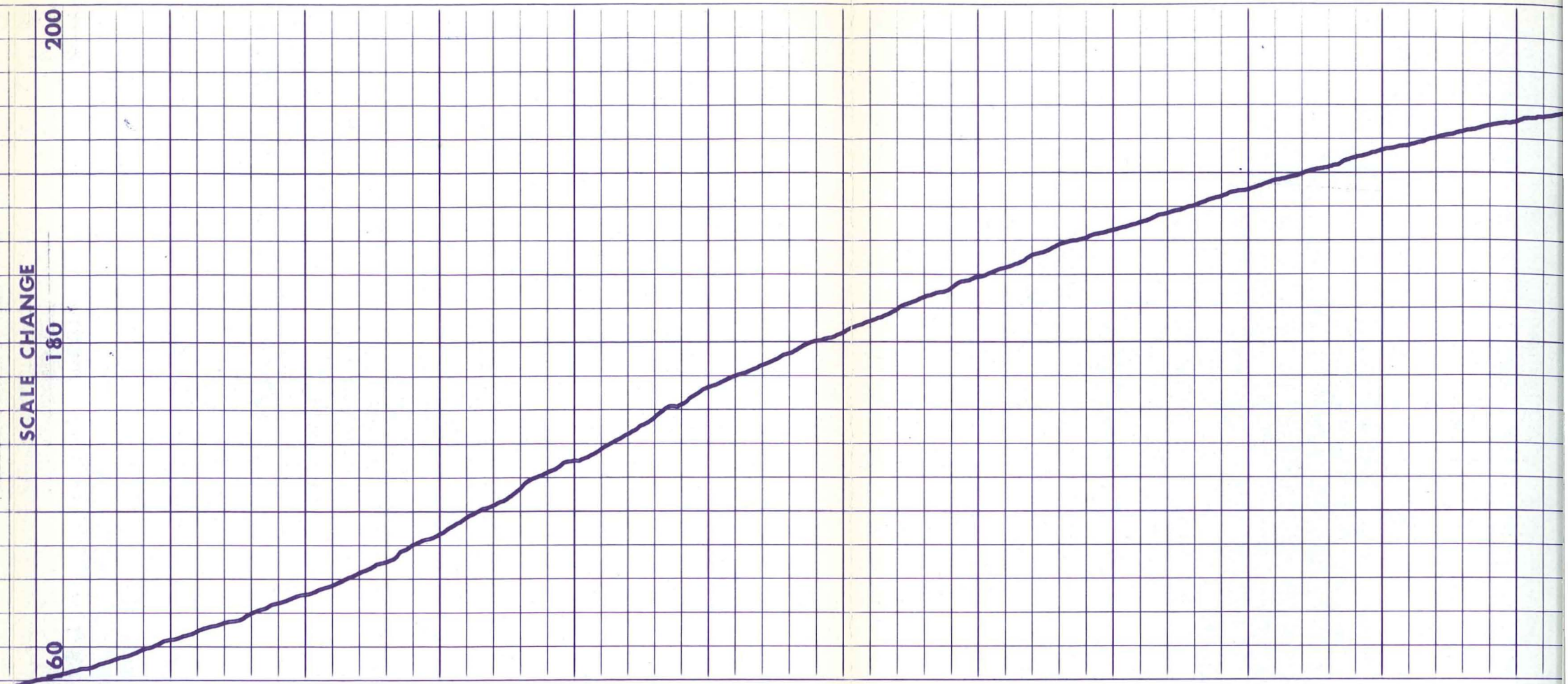
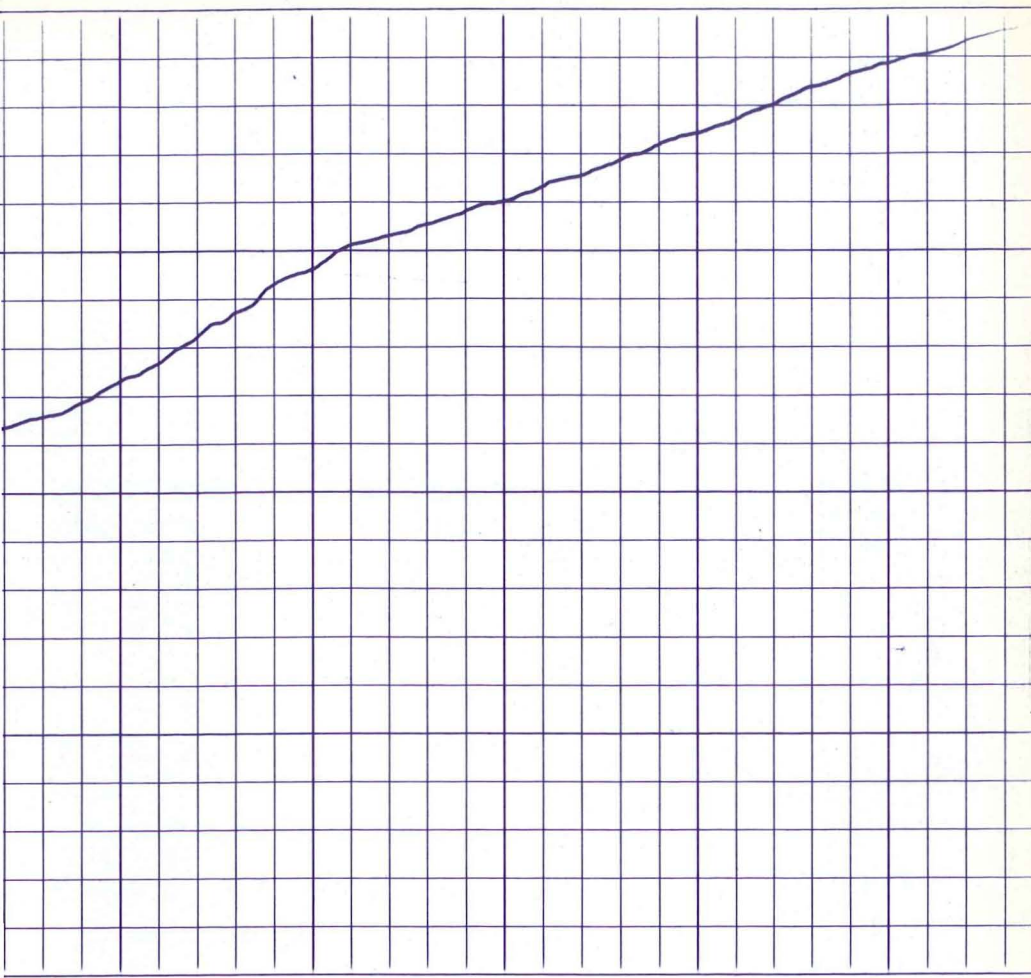




Run 4 ← | →

Run 5





SCALE CHANGE

200

180

160

2000

2100

2200

2300

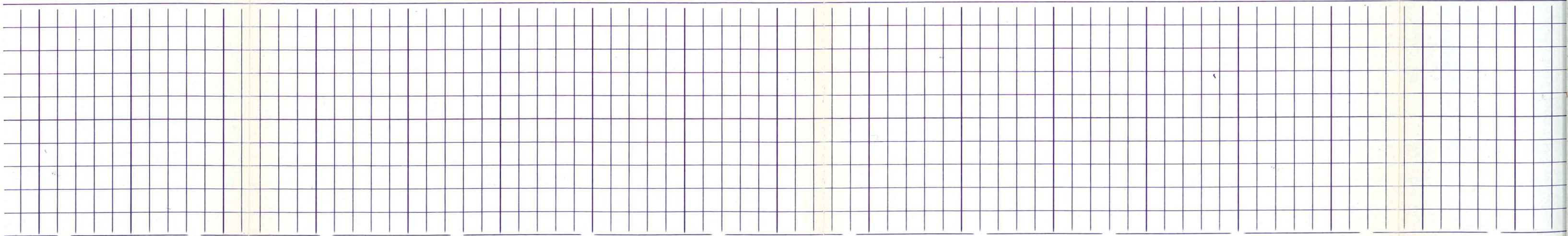
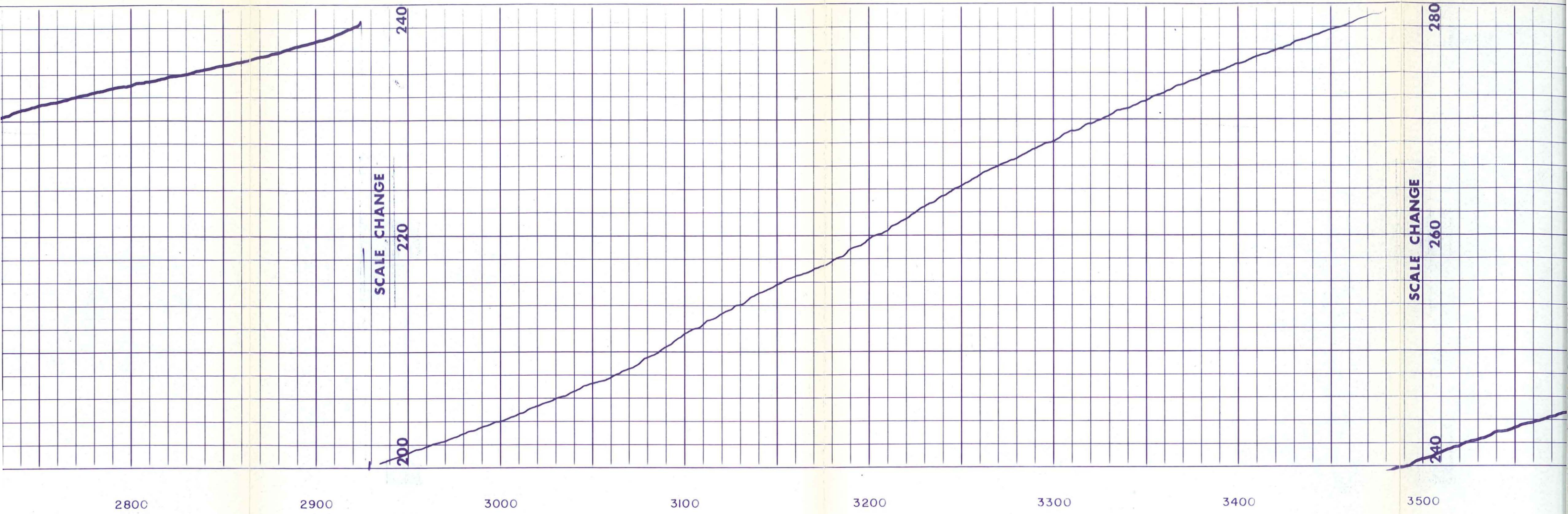
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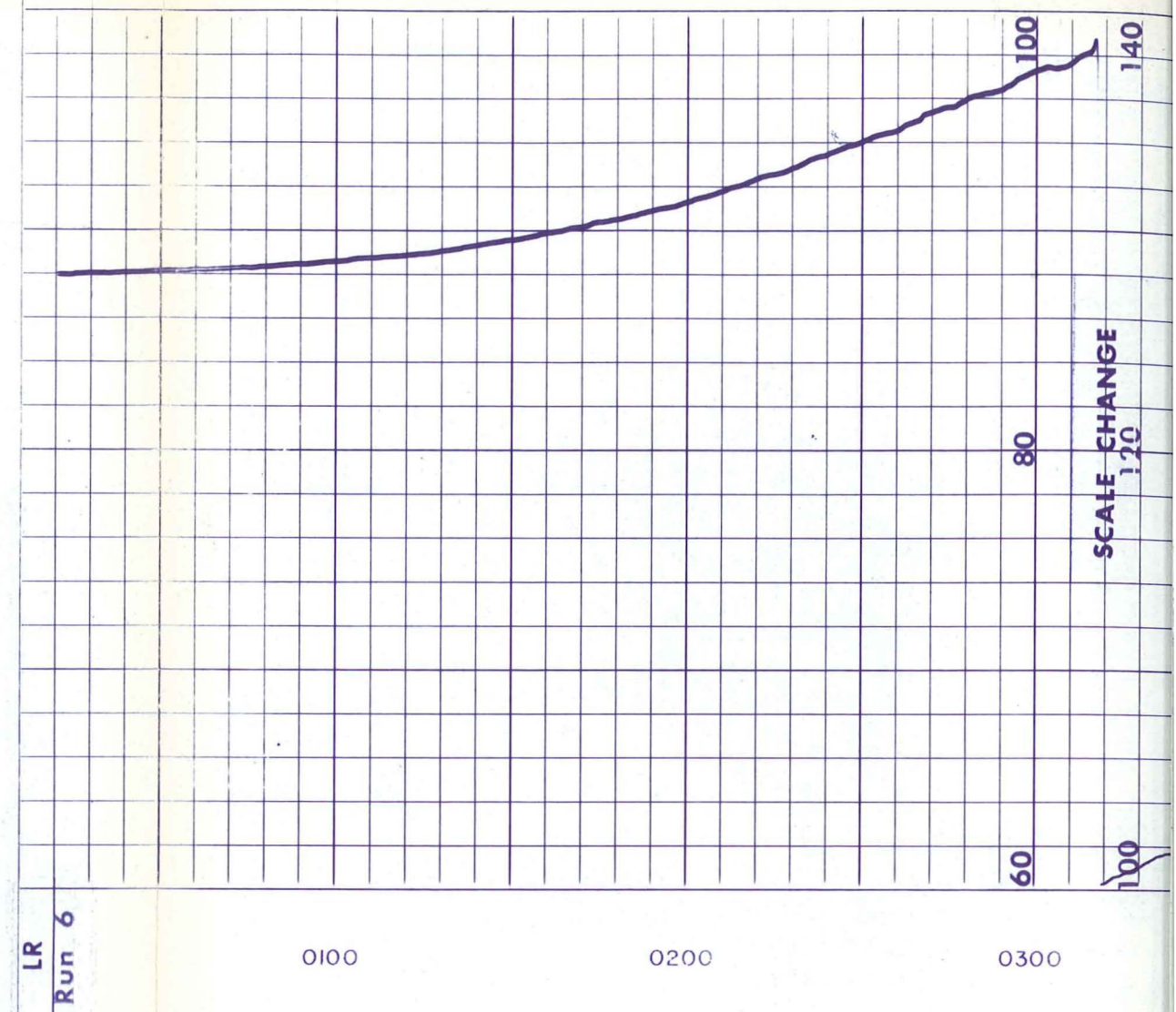
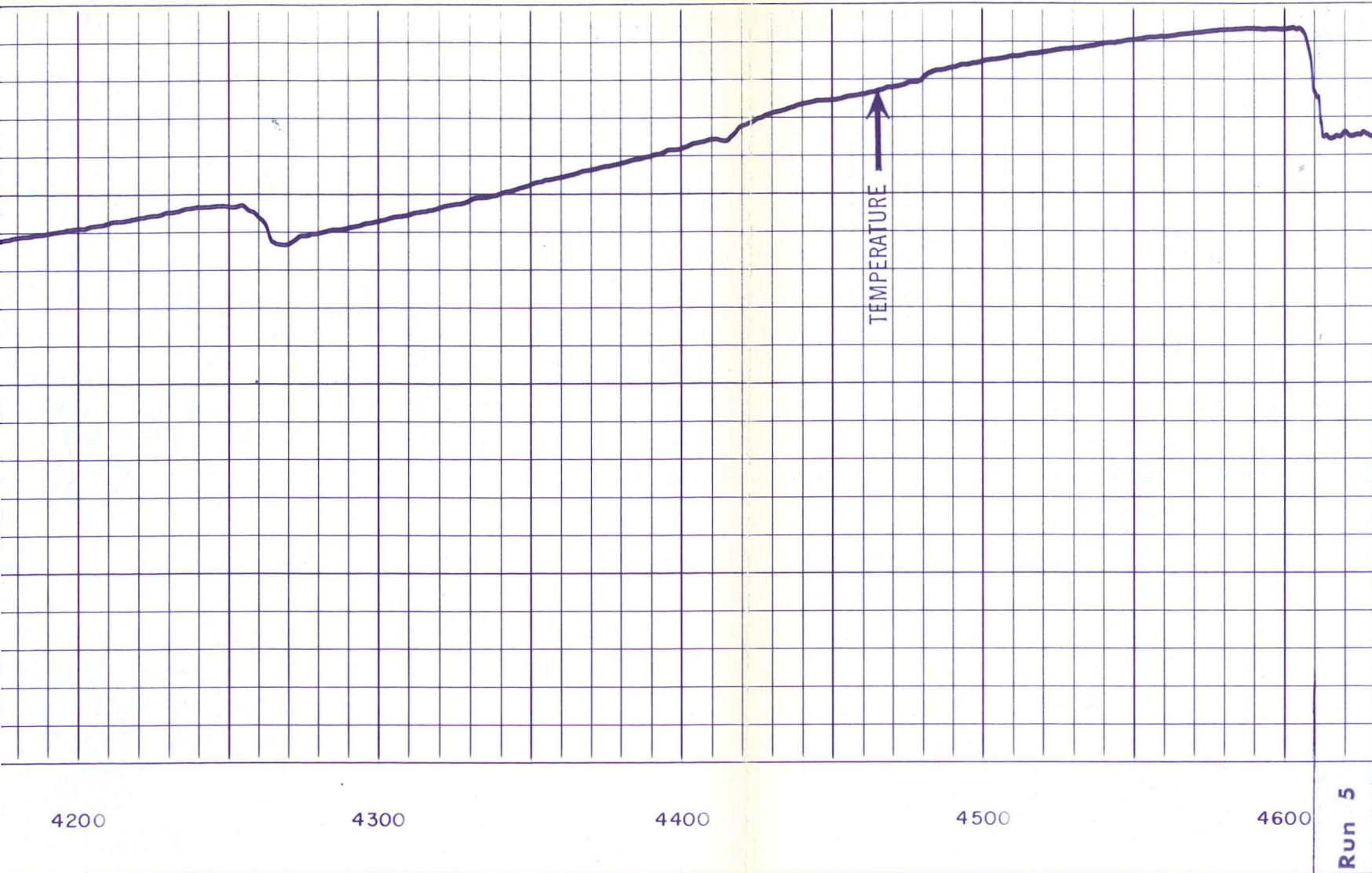
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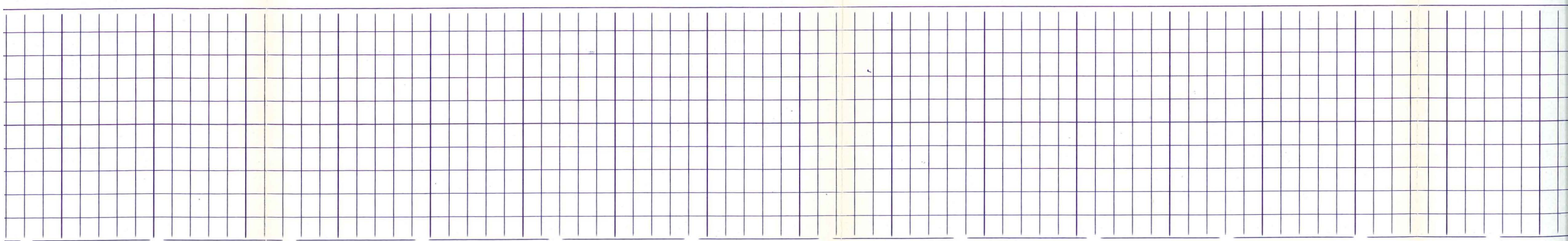
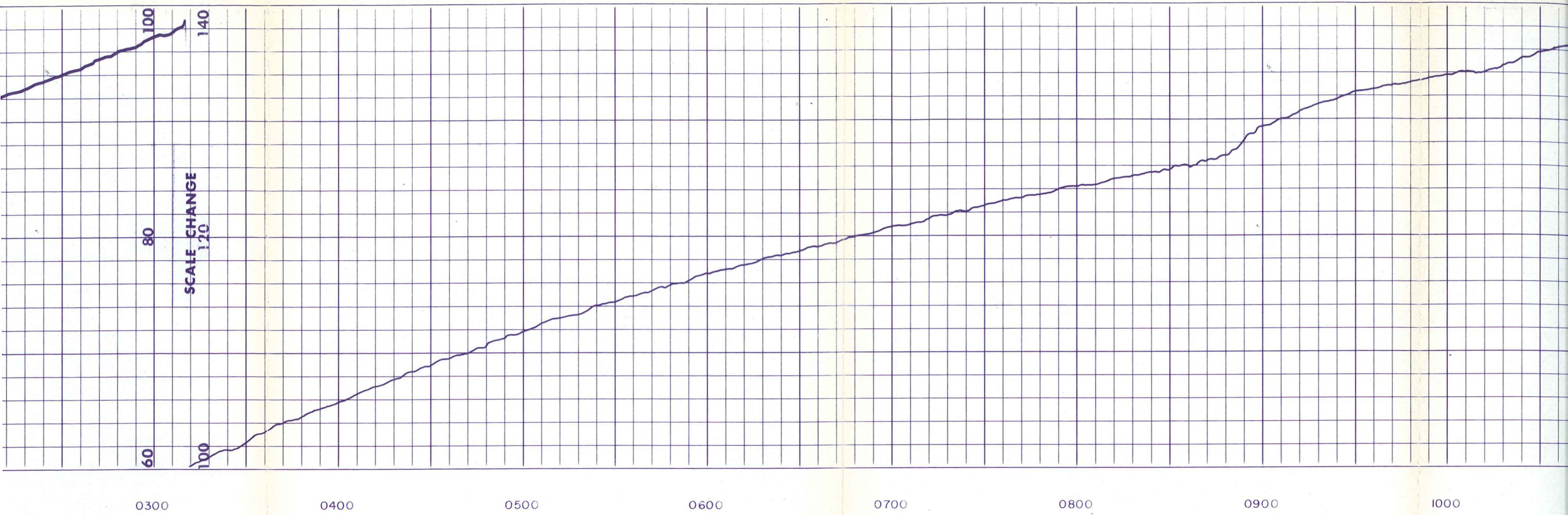
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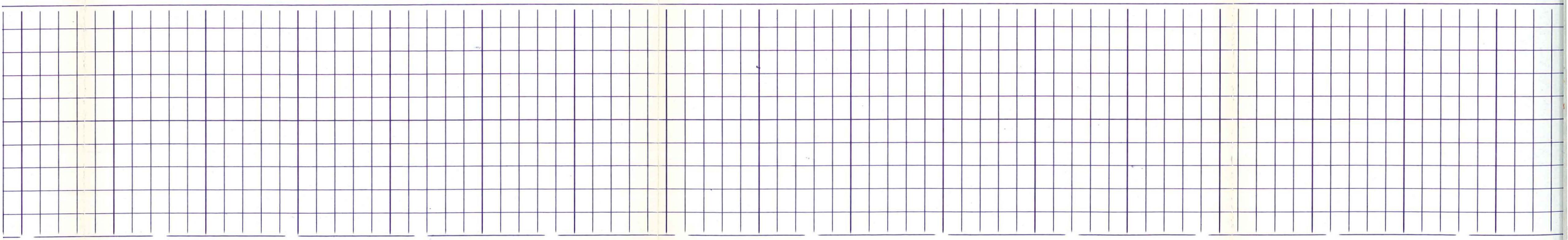
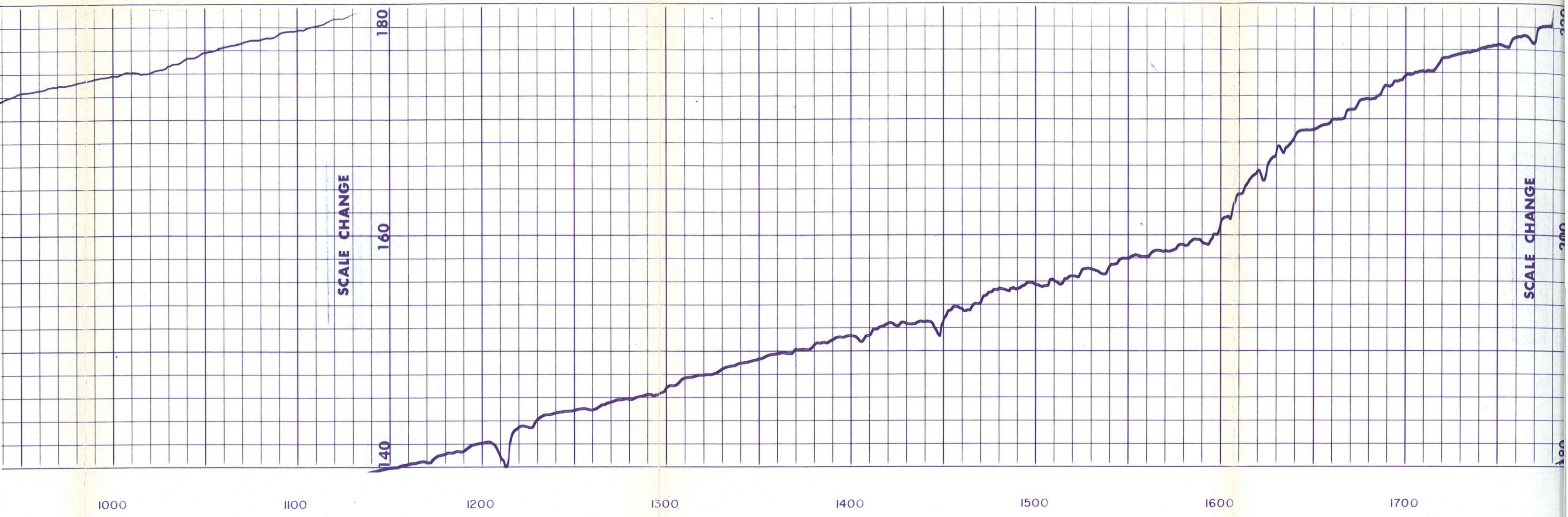


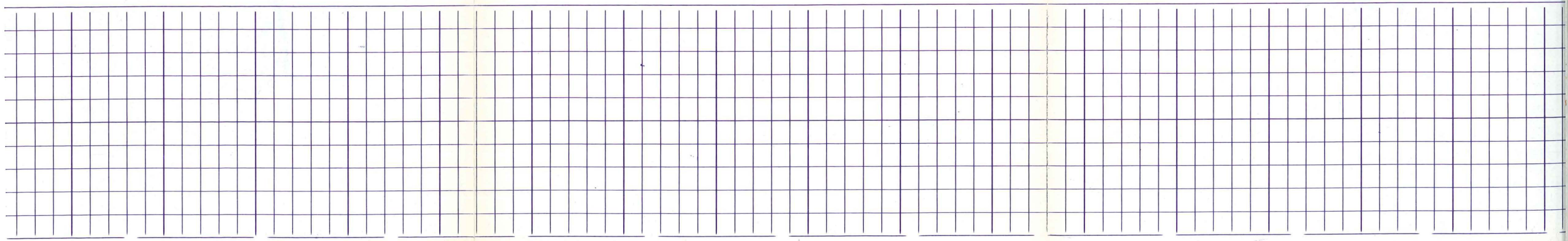
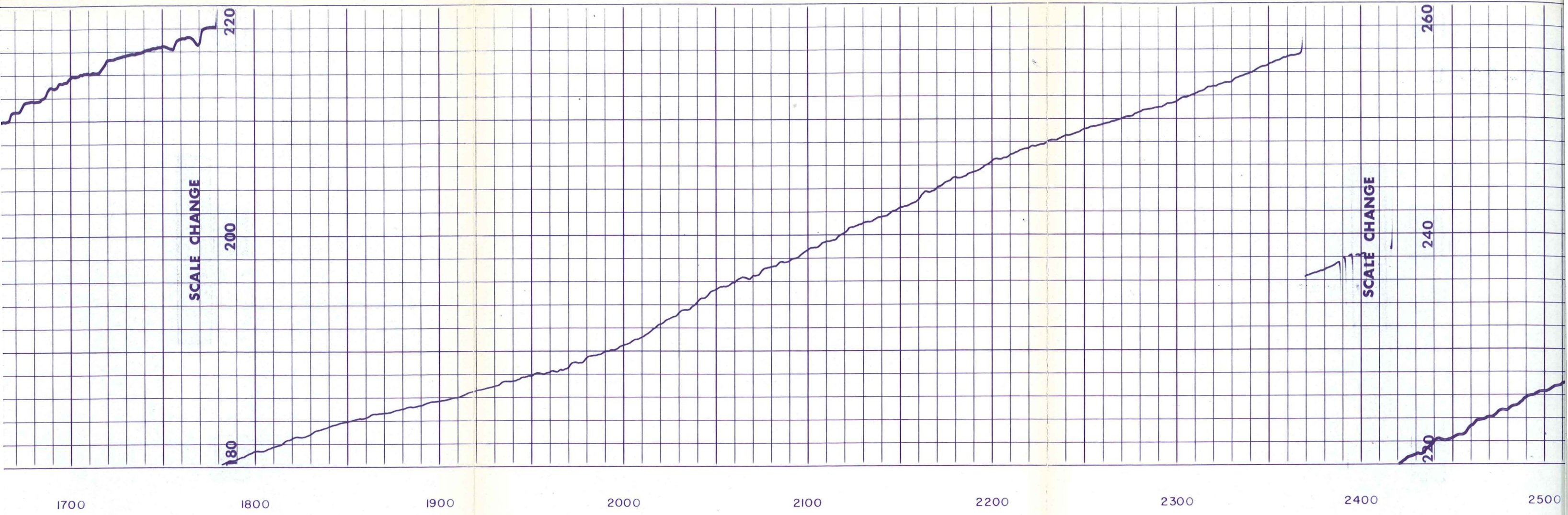


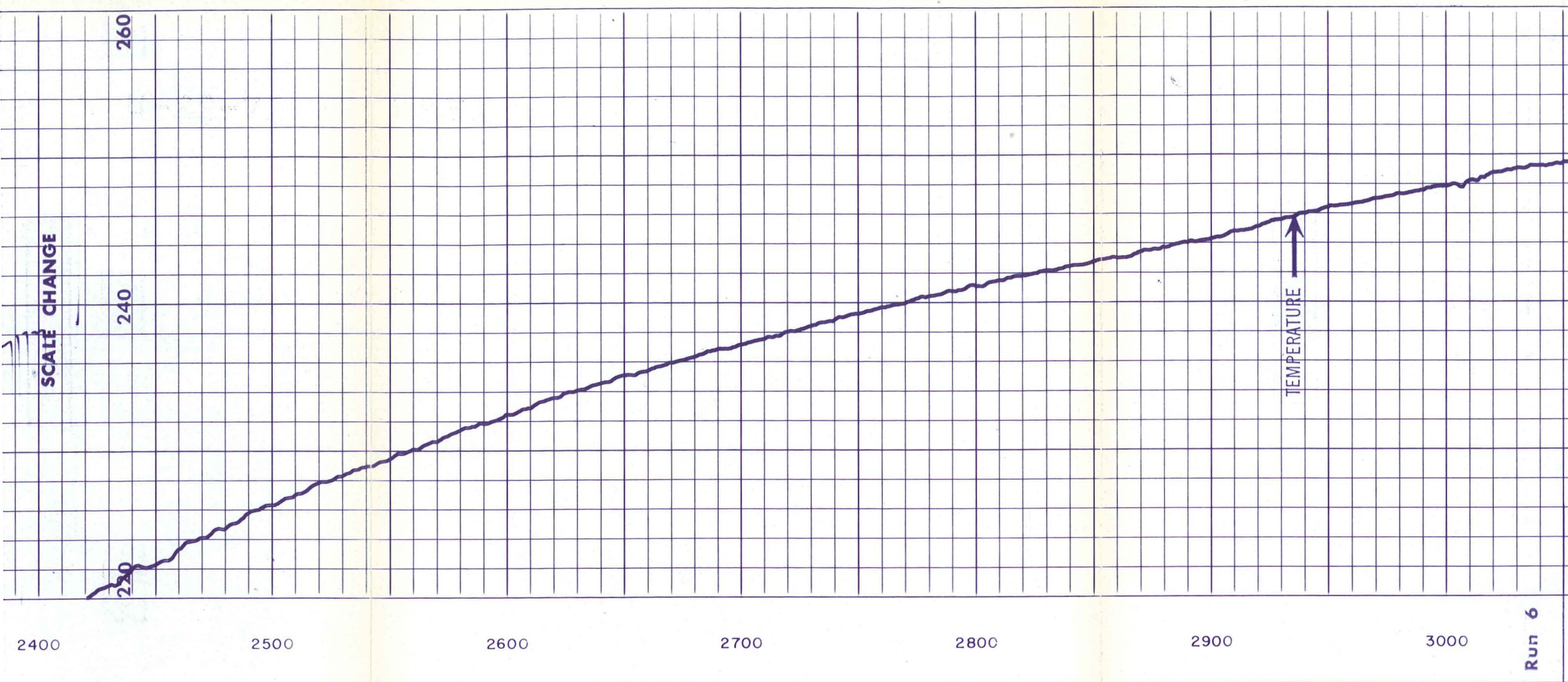


Run 5 ↔ Run 6





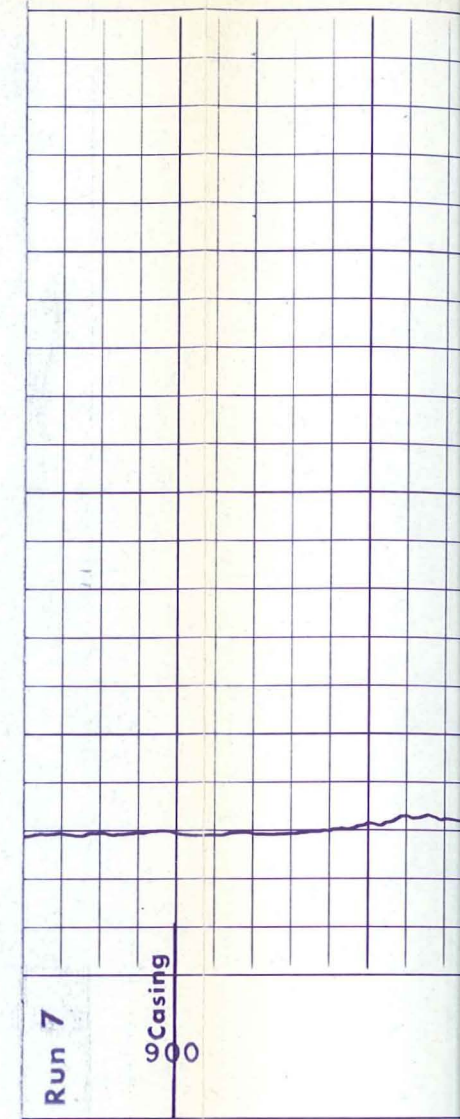


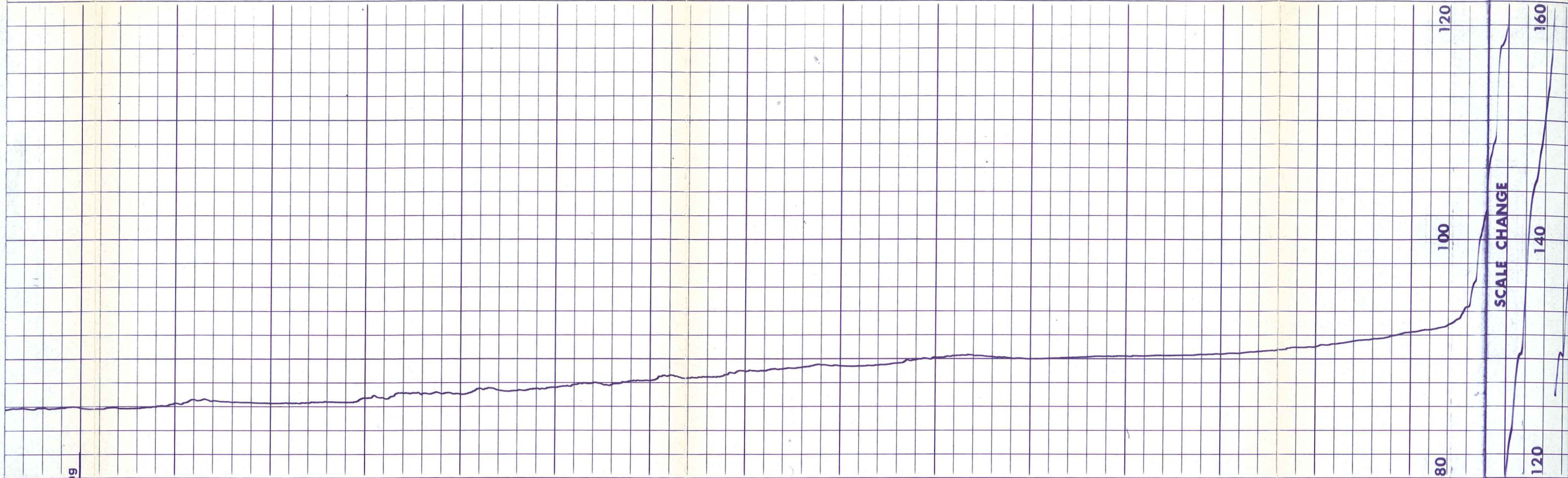


Run 6

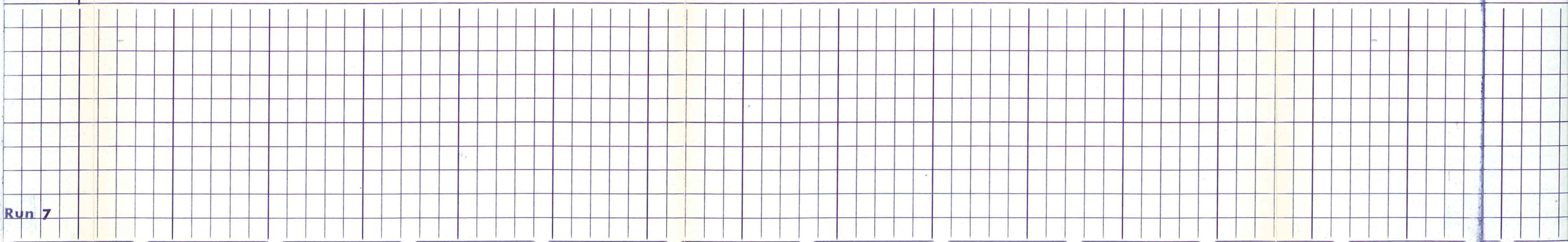


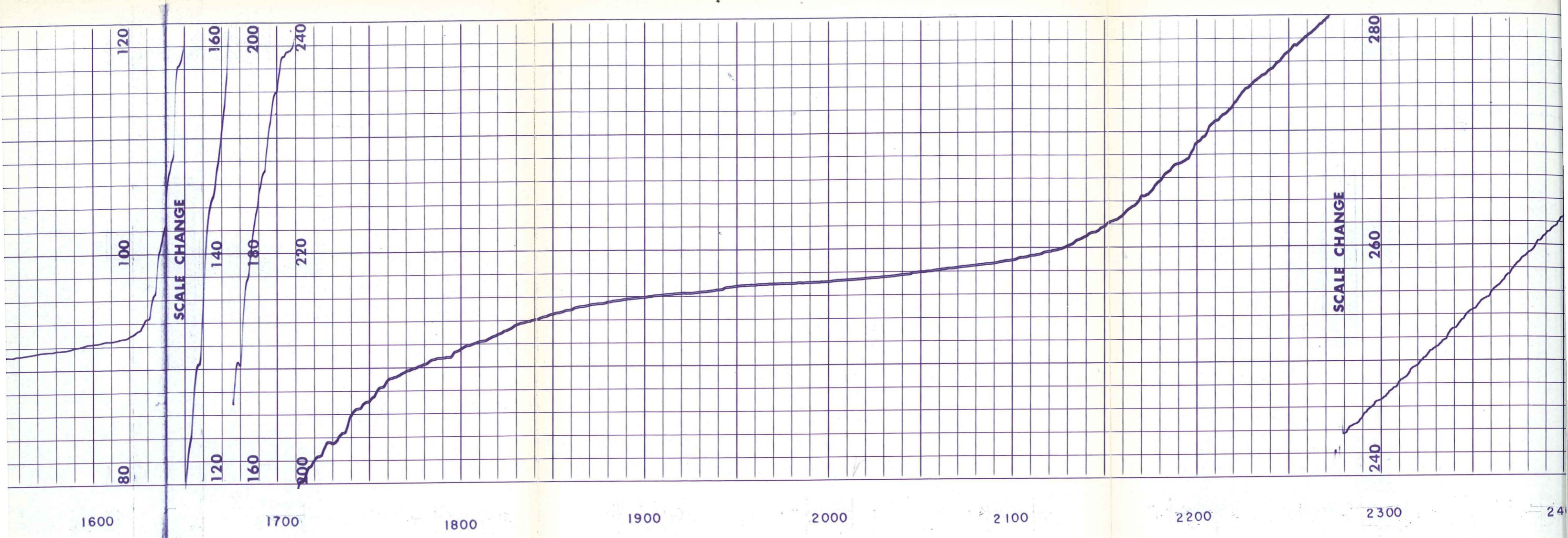
Run 7



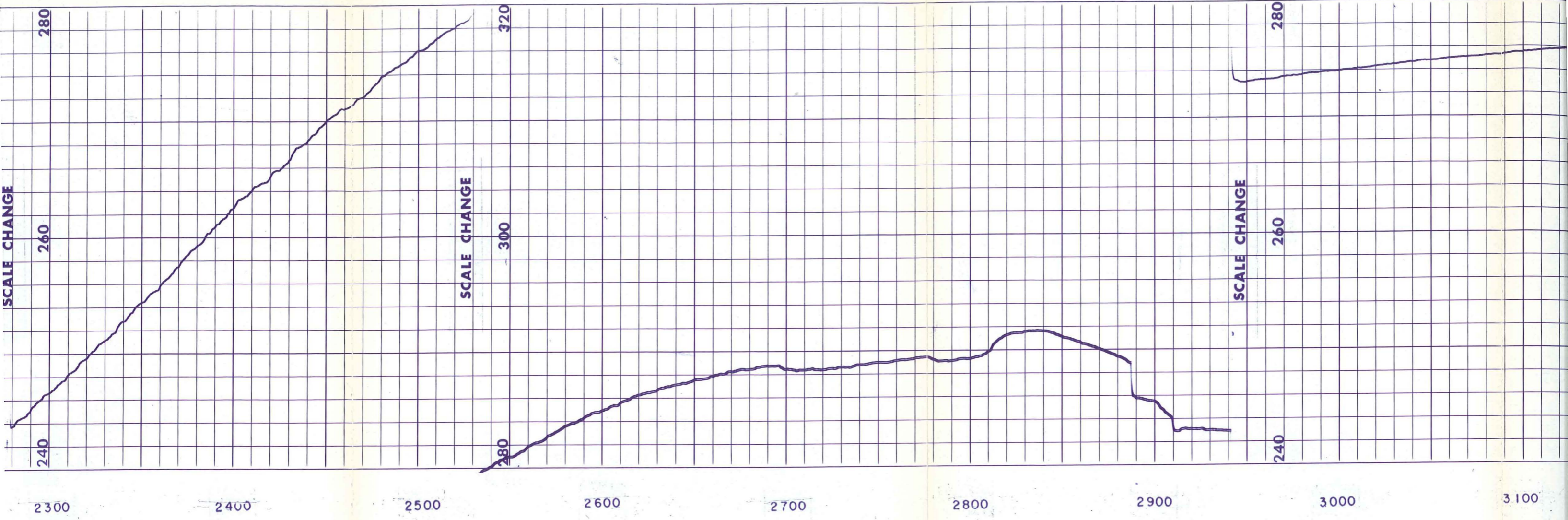


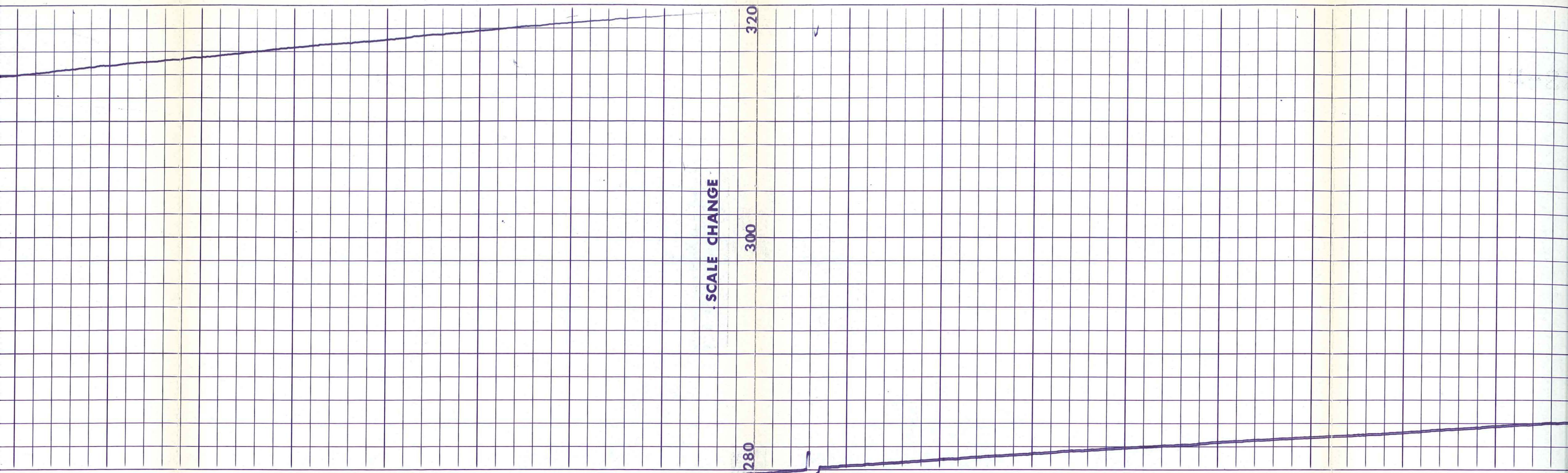
Run 7
Casing
00
1000
1100
1200
1300
1400
1500
1600



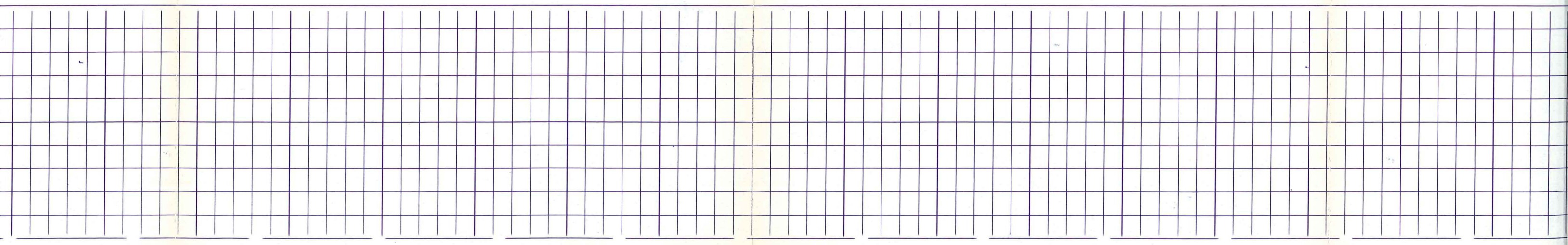


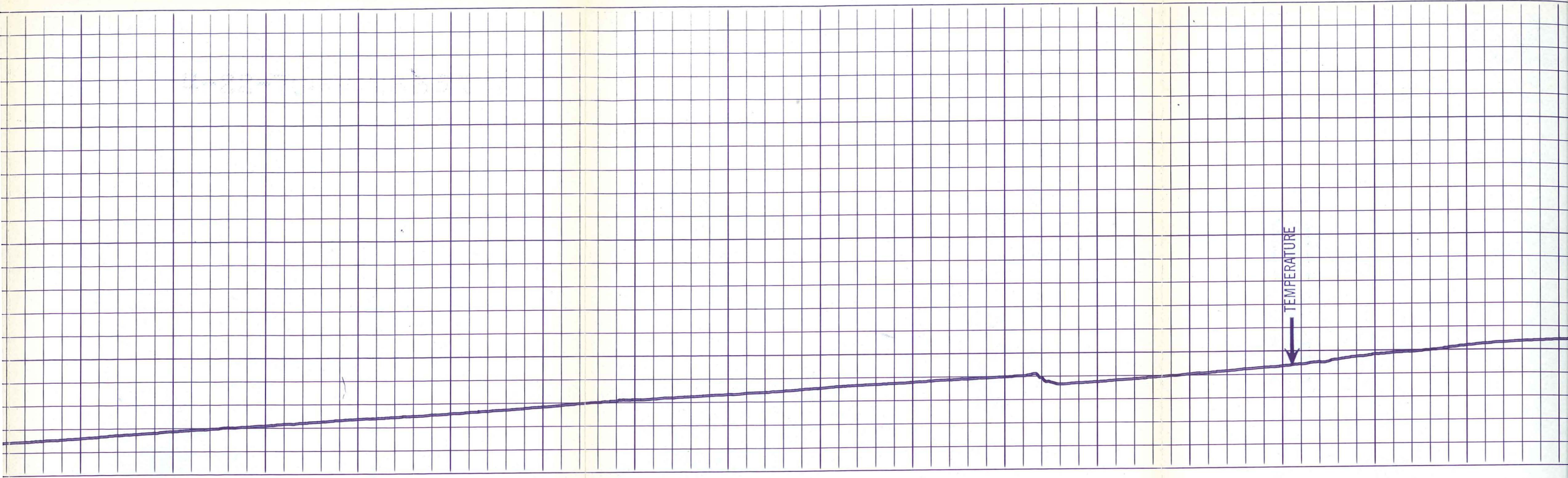
1600 1700 1800 1900 2000 2100 2200 2300 2400





000 3100 3200 3300 3400 3500 3600 3700 3800





3800

3900

4000

4100

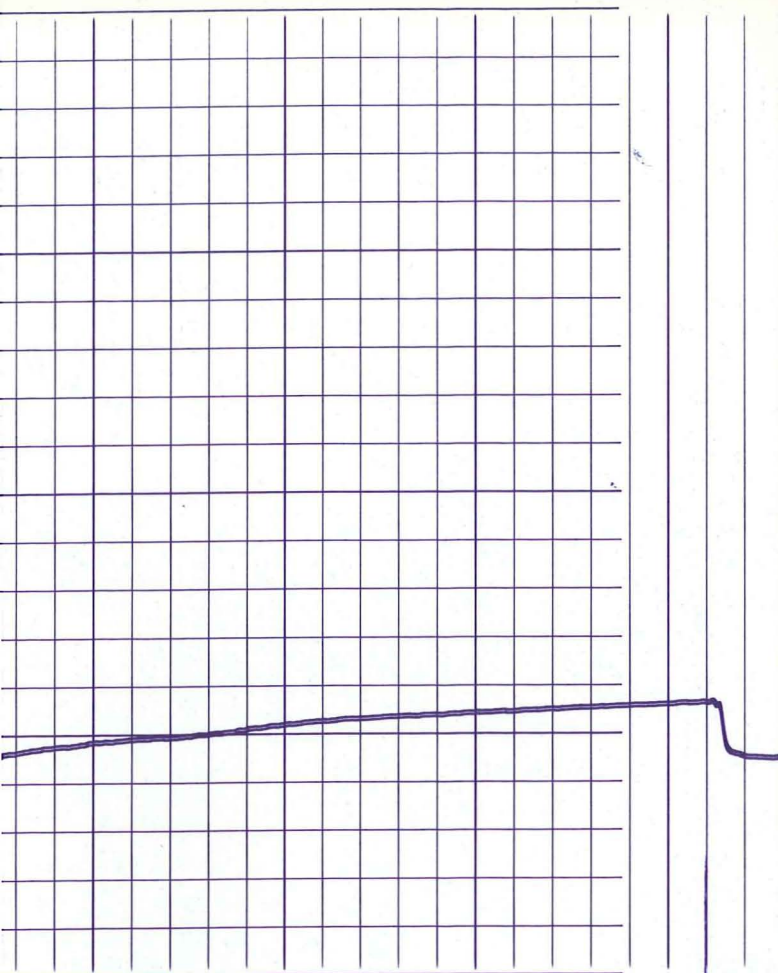
4200

4300

4400

4500

TEMPERATURE

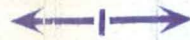


4500

4600

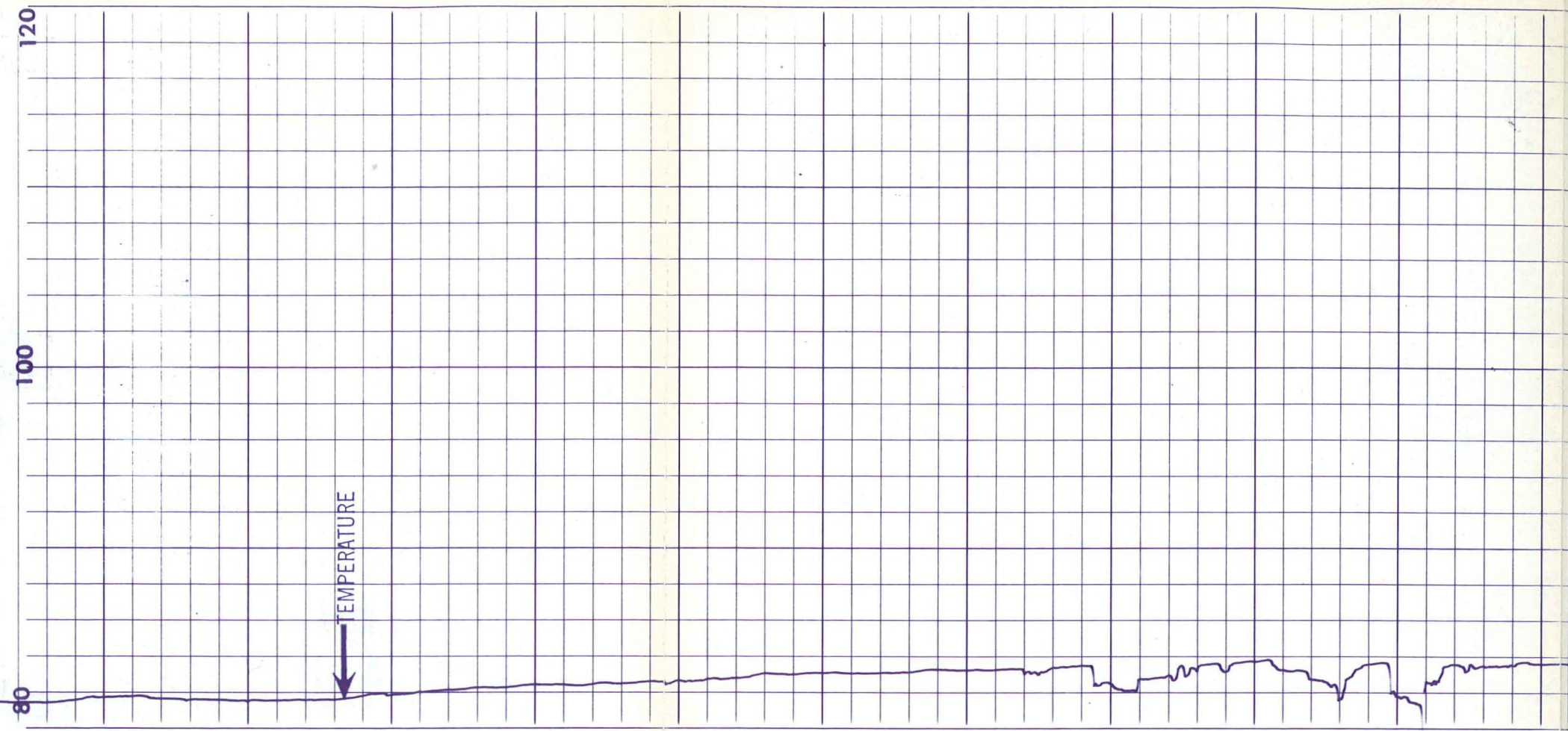
Run 7

Run 7



Run 8
Casing

Run 8



120

100

80

TEMPERATURE

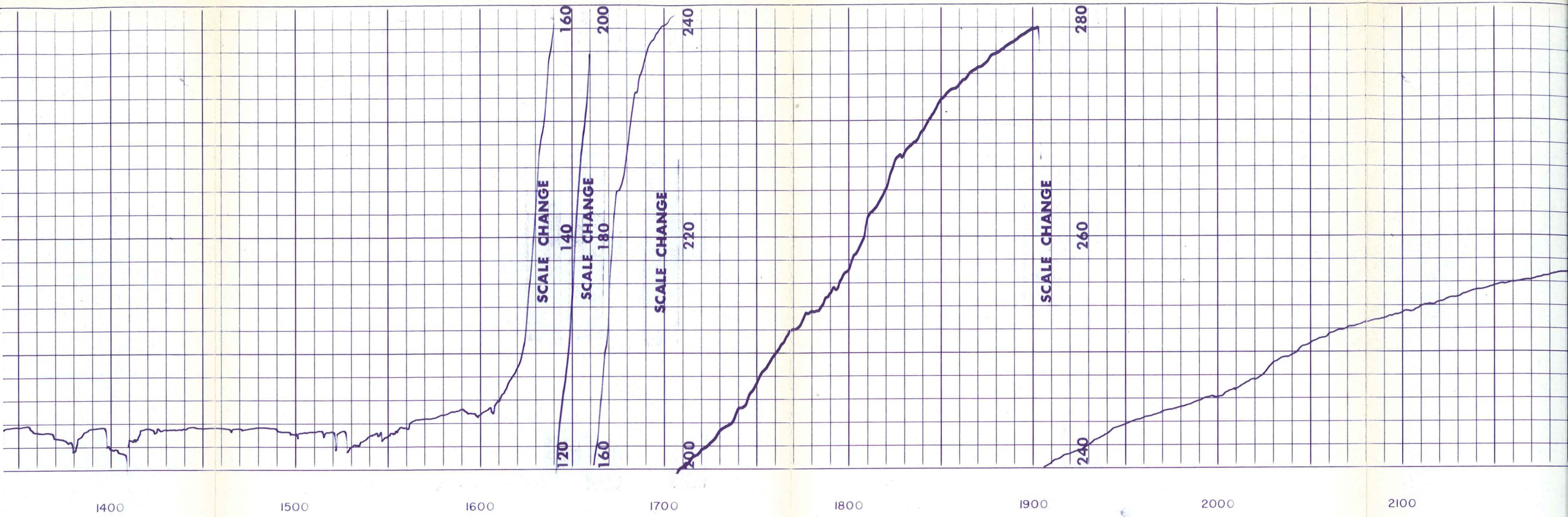
1000

1100

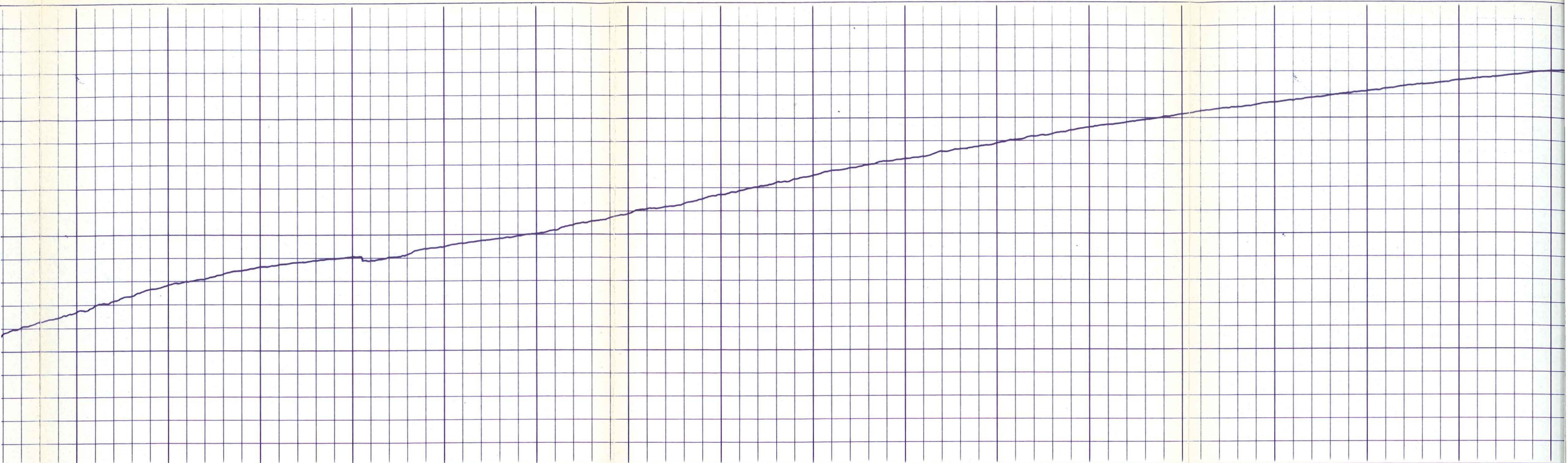
1200

1300

1400



1400 1500 1600 1700 1800 1900 2000 2100



2100

2200

2300

2400

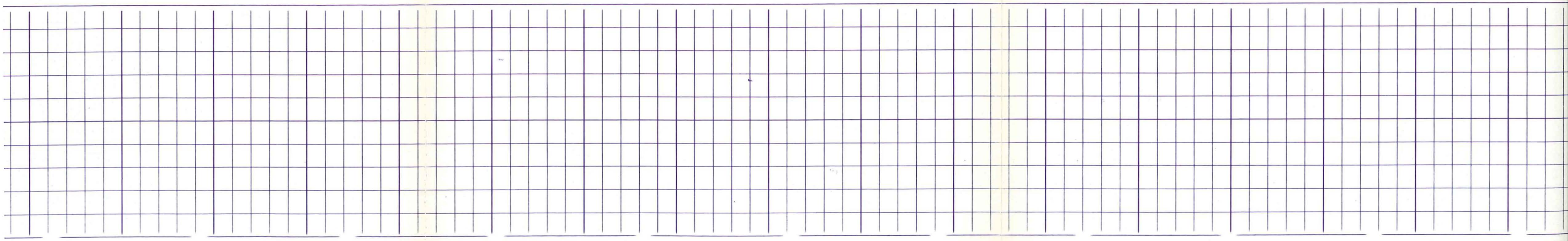
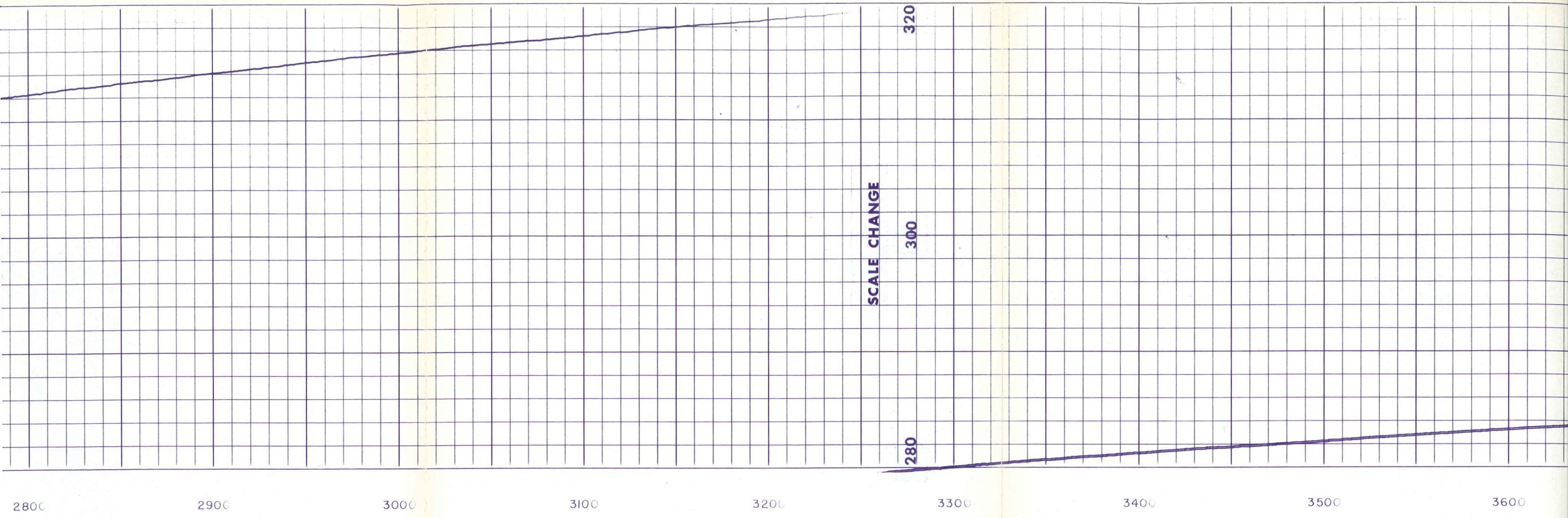
2500

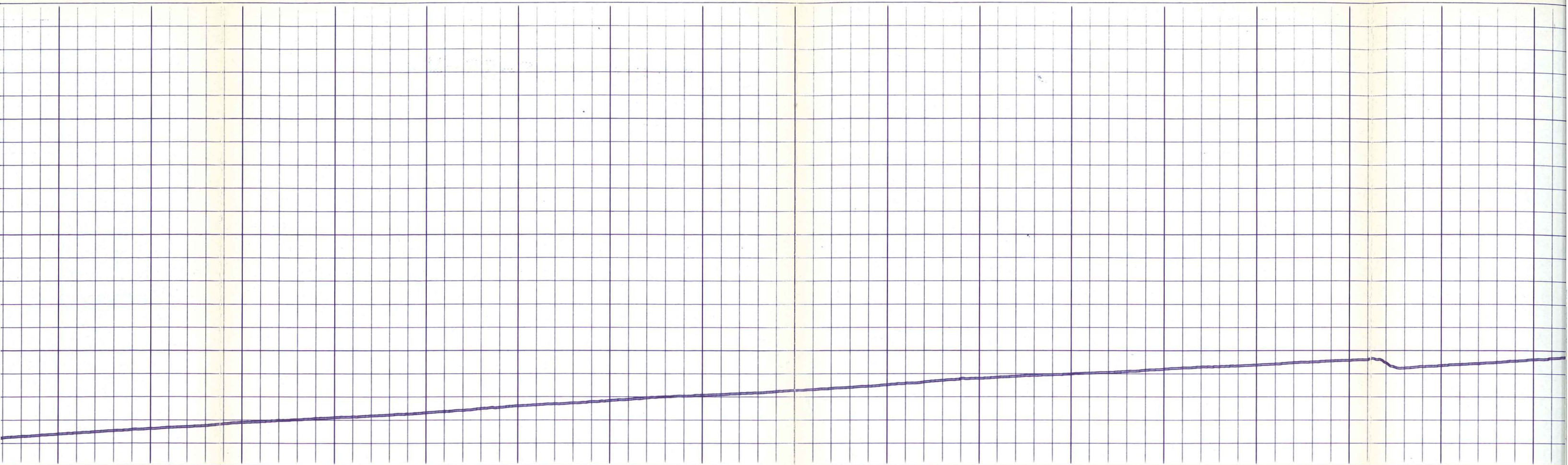
2600

2700

2800

2900





3600

3700

3800

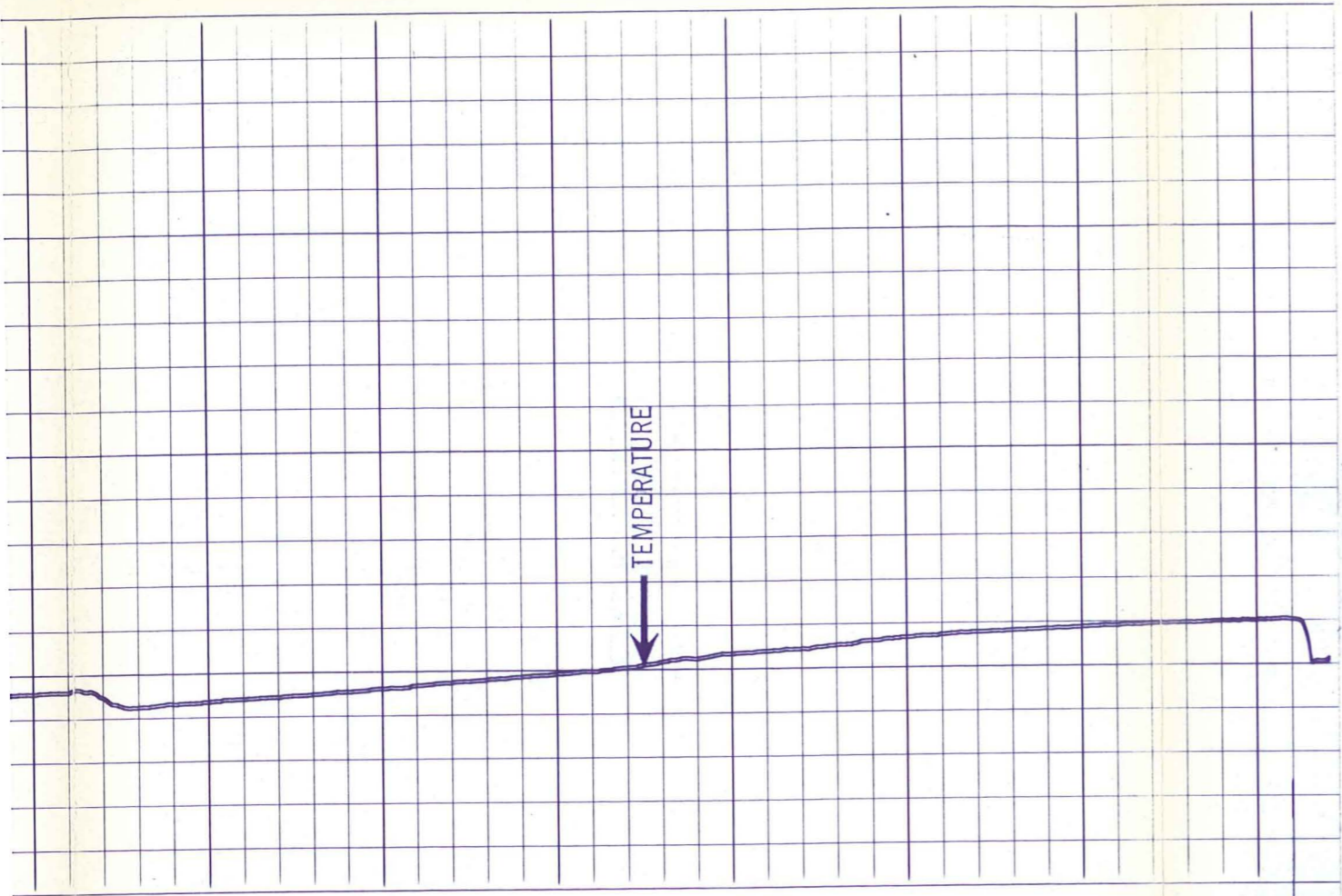
3900

4000

4100

4200

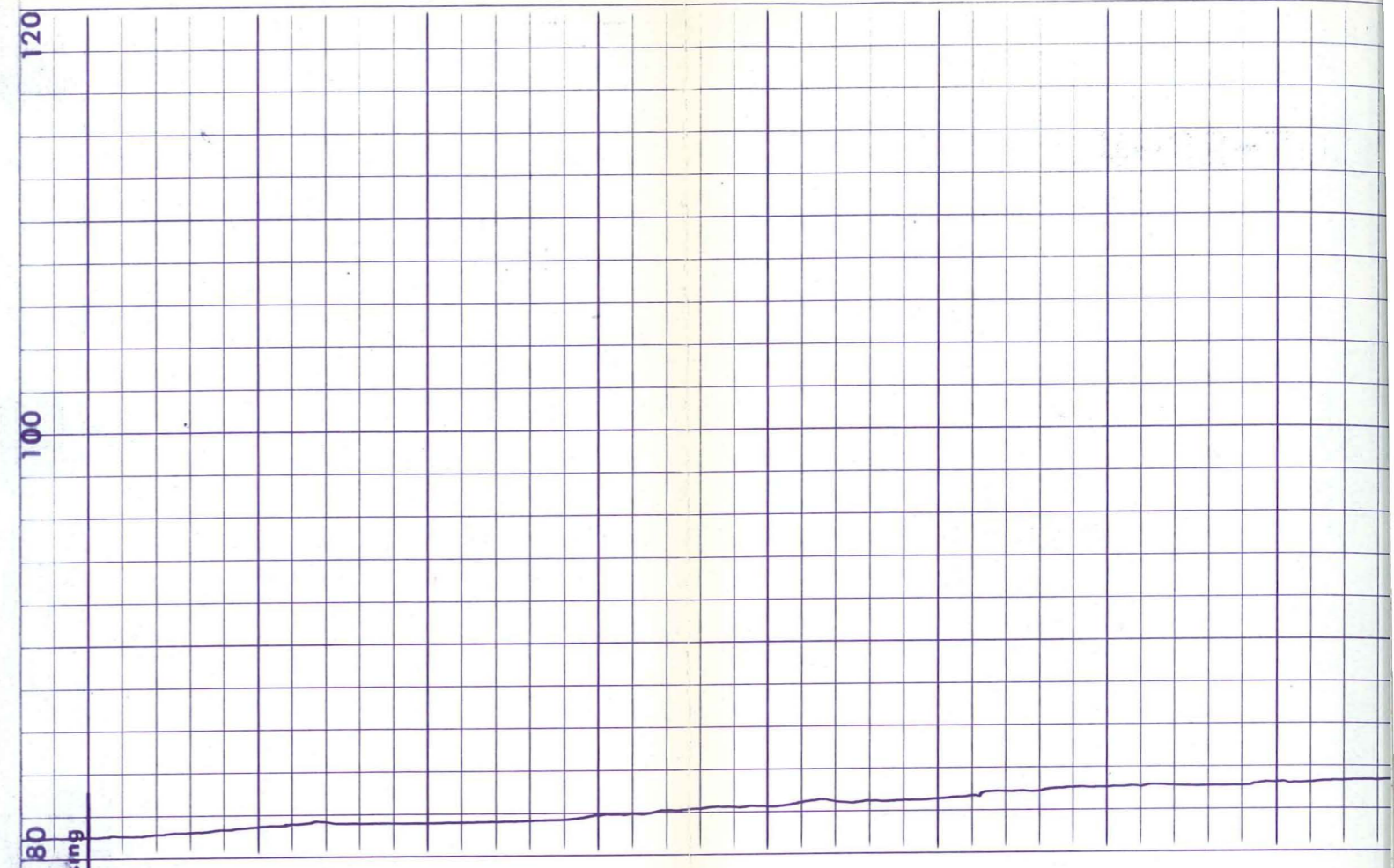
4300



4300 4400 4500 4600

Run 8

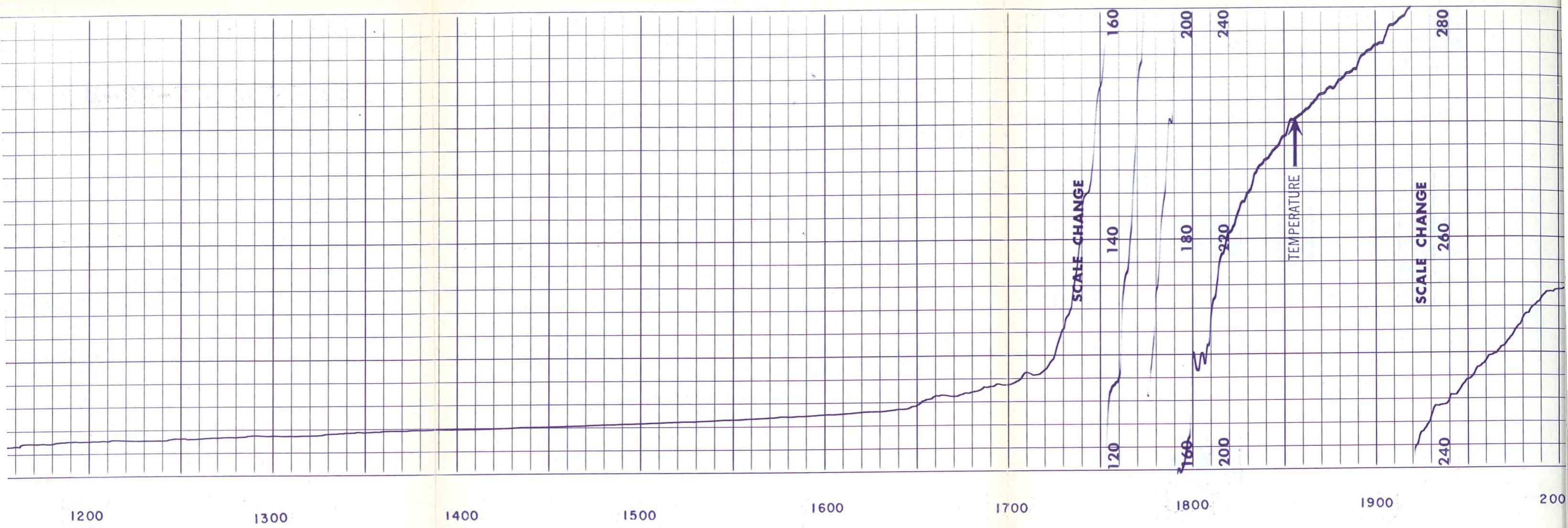
Run 8



Run 9
Casing
0

1000 1100 1200

Run 9



1200

1300

1400

1500

1600

1700

1800

1900

2000

SCALE CHANGE

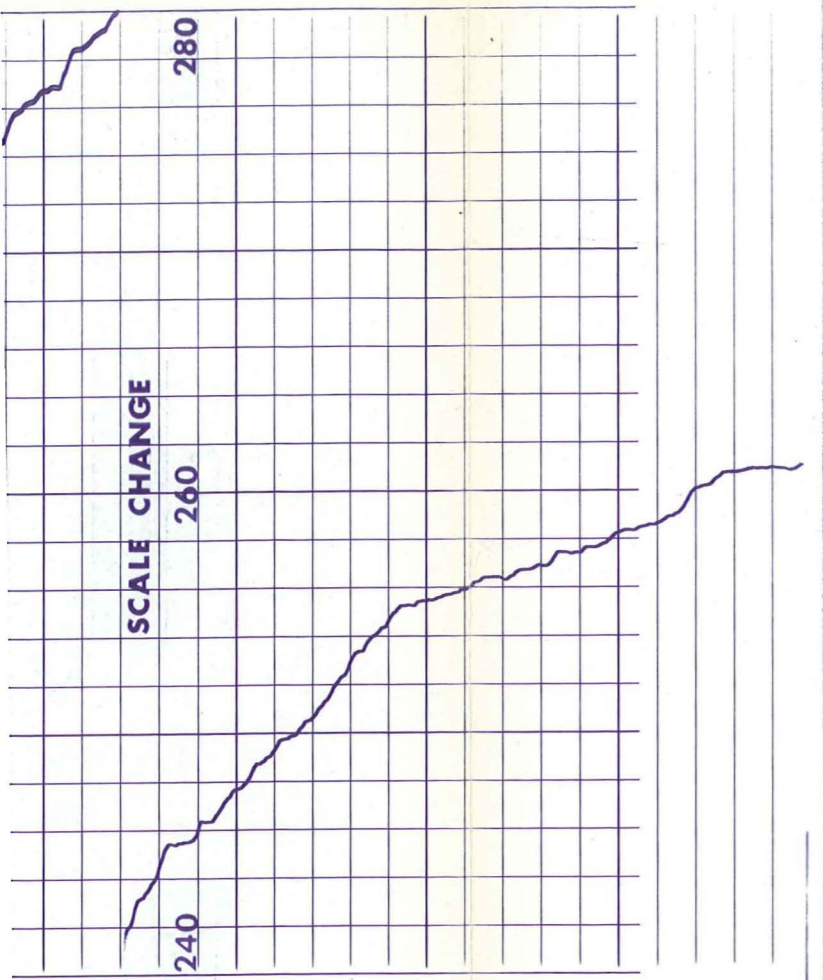
SCALE CHANGE

TEMPERATURE

120
140
160

160
180
200
220
240

240
260
280



1900 2000

Run 9 2100

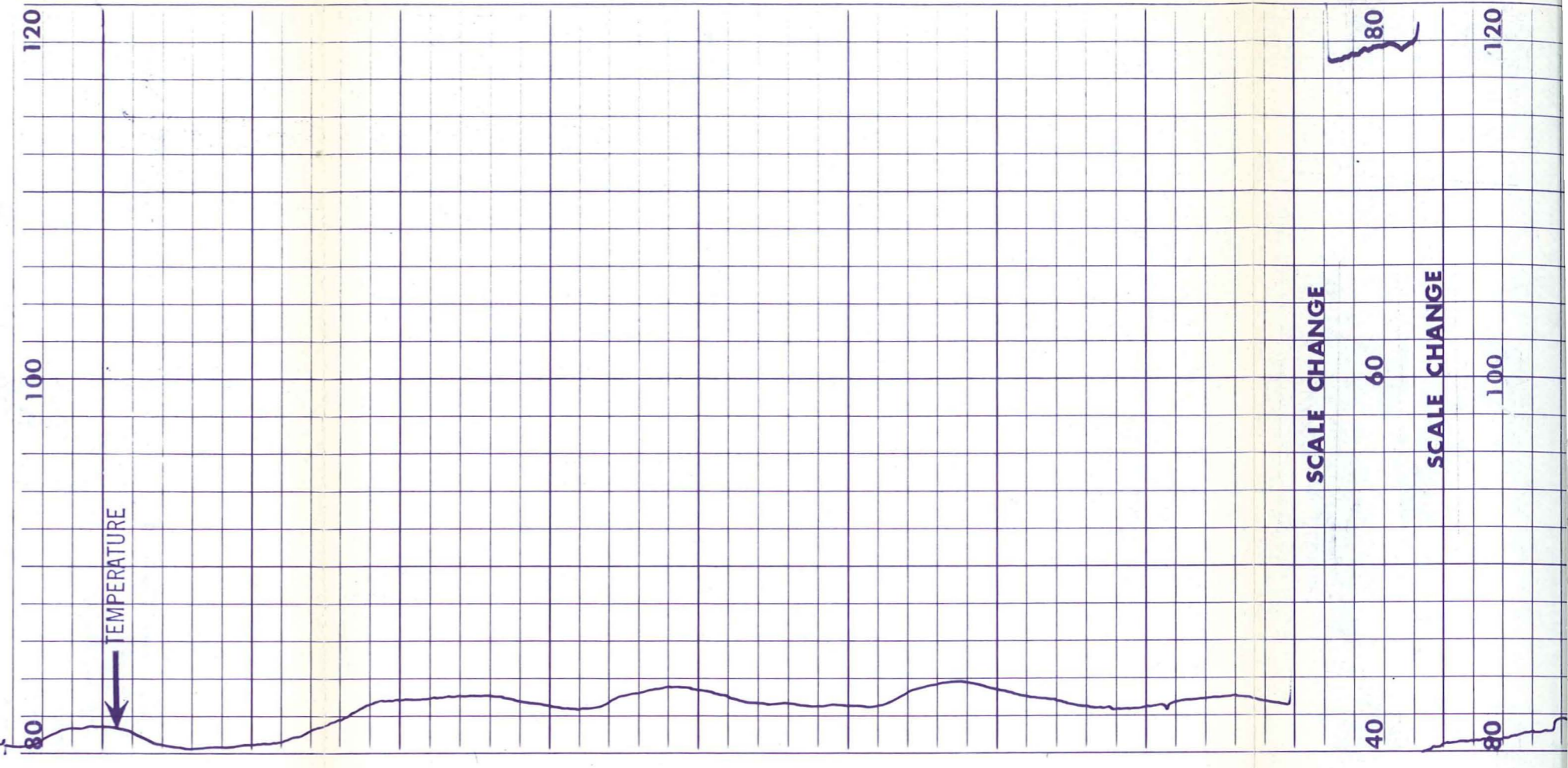
Run 9



Run 10

Run 10

0900 casing



1000 1100 1200 1300 1400

SCALE CHANGE

SCALE CHANGE

40

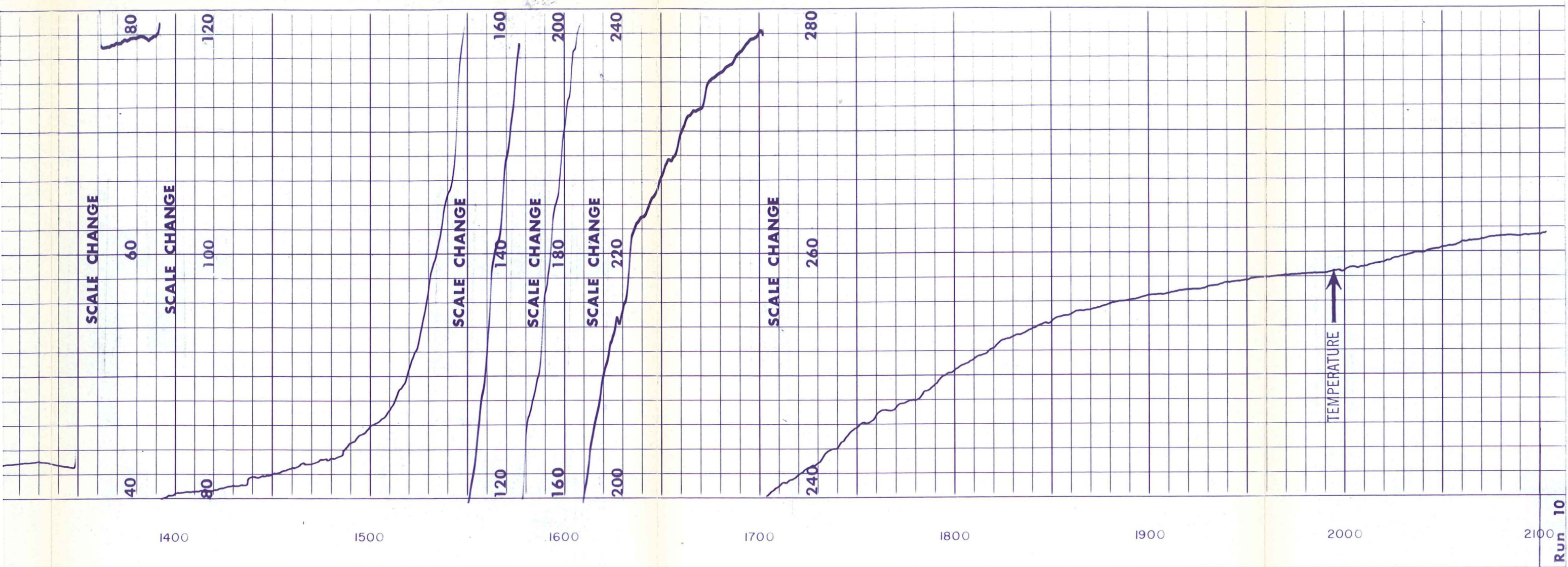
80

60

100

80

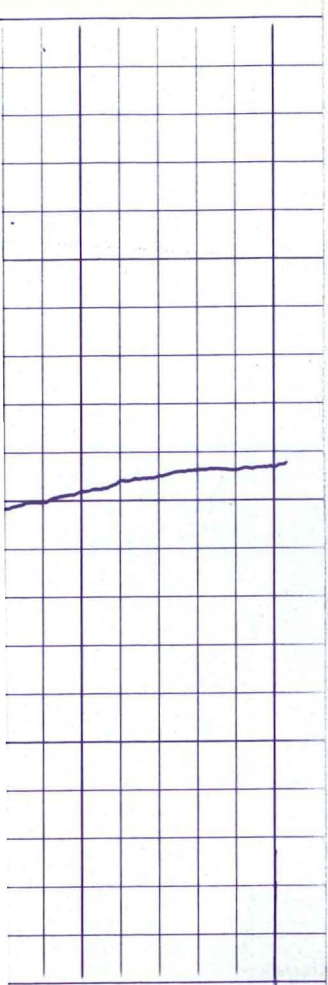
120



Run 10

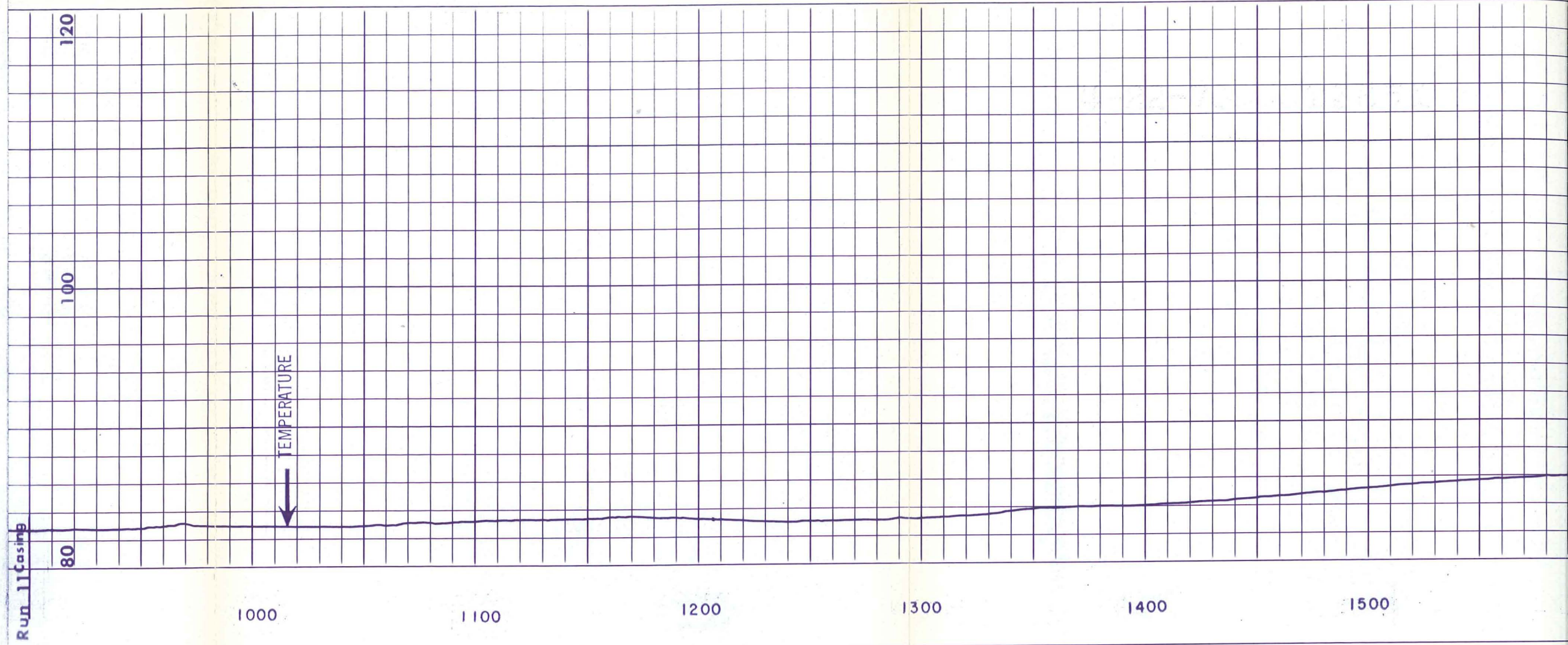
Run 10





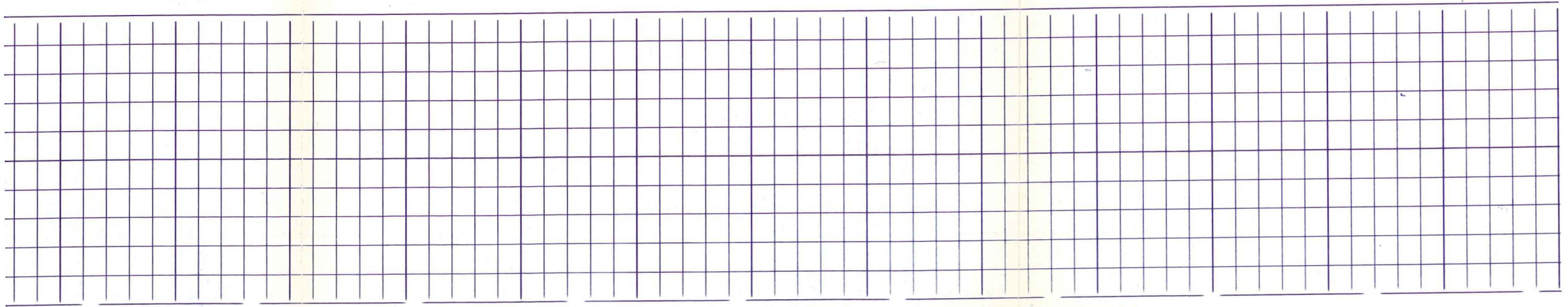
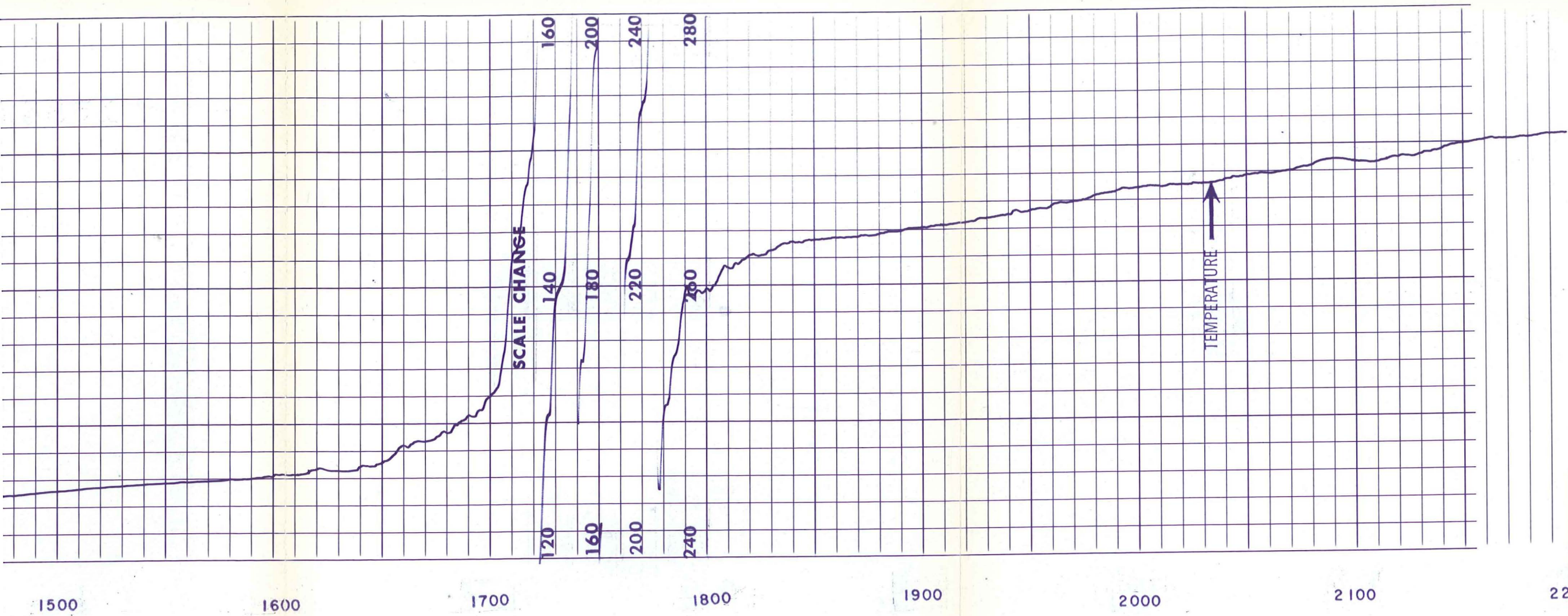
2100
Run 10

Run 10



Run 11 casing

Run 11



Run 11

Run 12

Run 11

Run 12



60 80

SCALE CHANGE

Run 11

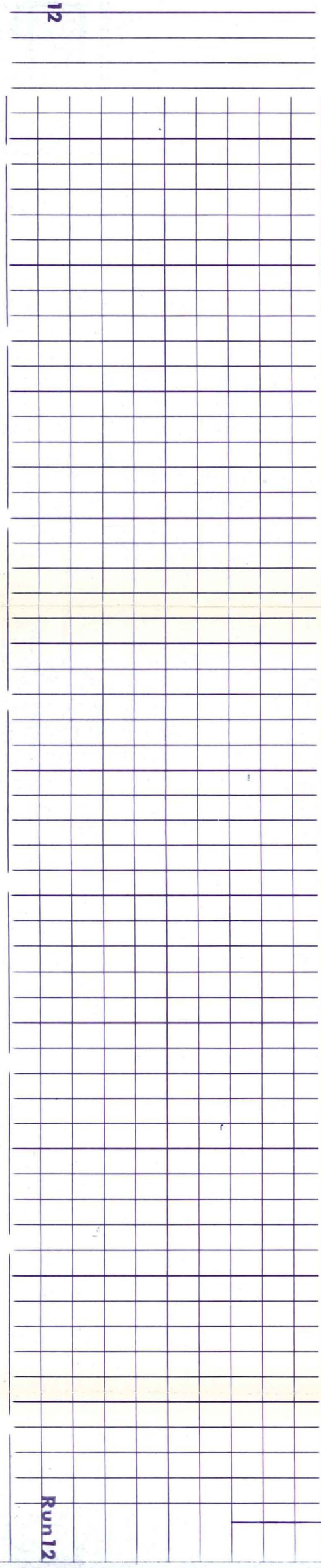
Run 11



Run 12

Run 12

LR



1600

40 60 80
SCALE CHANGE 100 120

1700

1800

SCALE CHANGE 120 140 160

SCALE CHANGE 160 180 200

1900

SCALE CHANGE 200 220 240

2000

SCALE CHANGE 240 260 280

2100

TEMPERATURE →

2200

Run 12

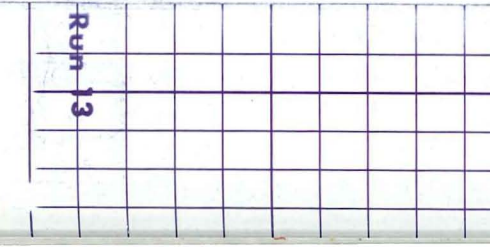
Run 12



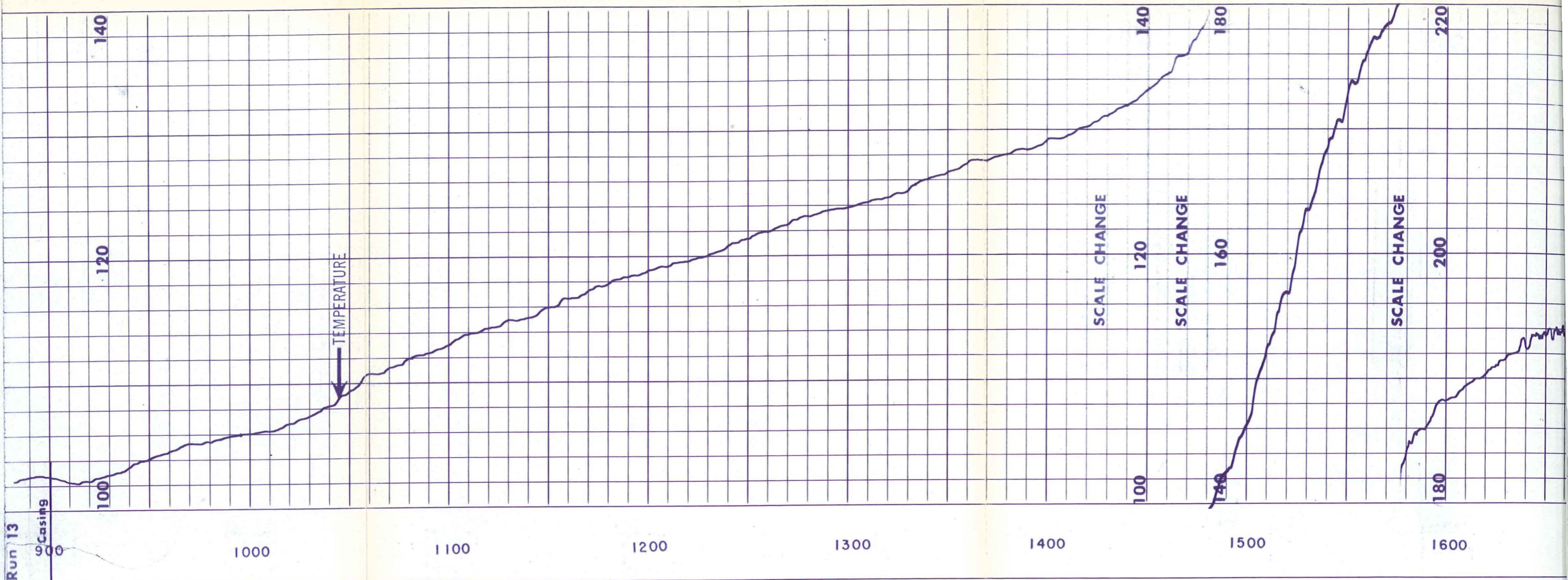
Run 13

Run 13

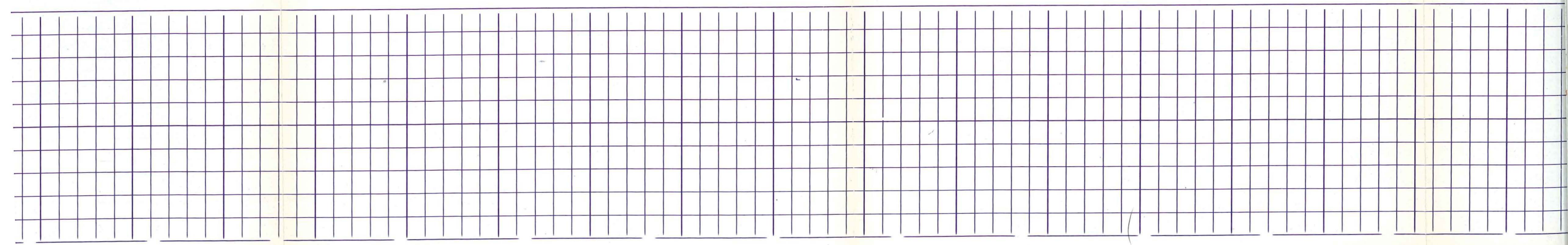
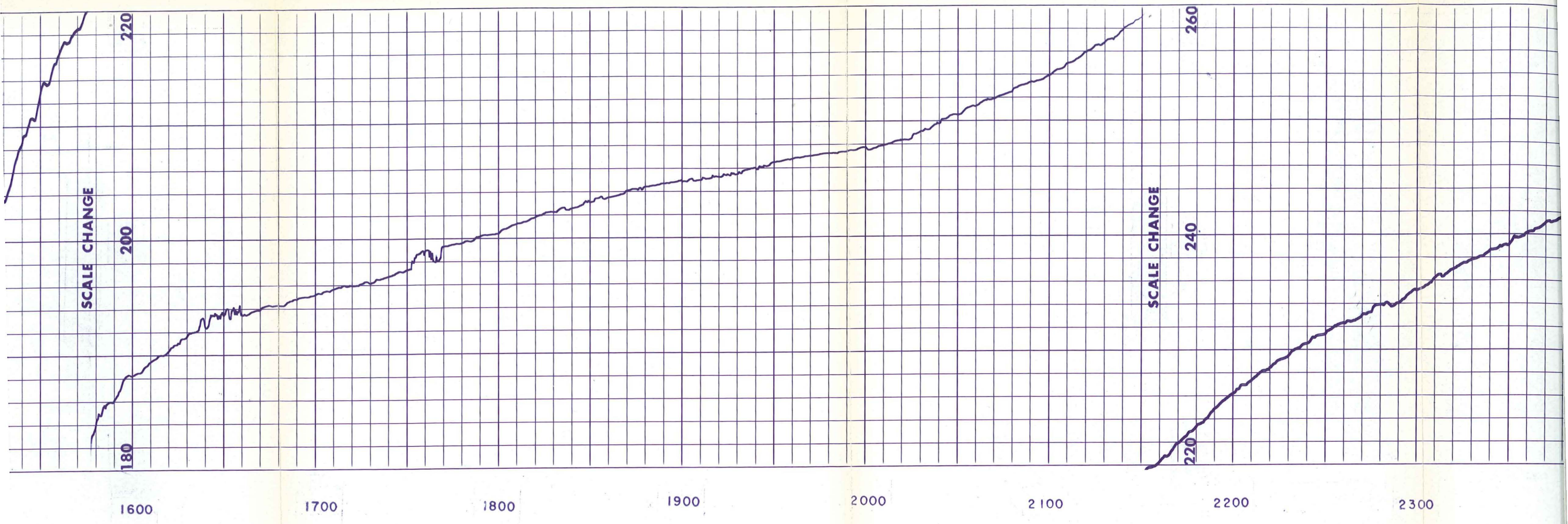
Casing

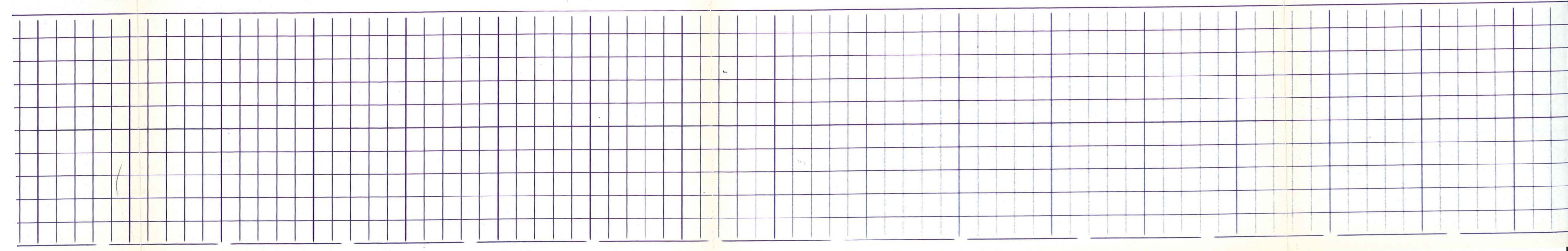
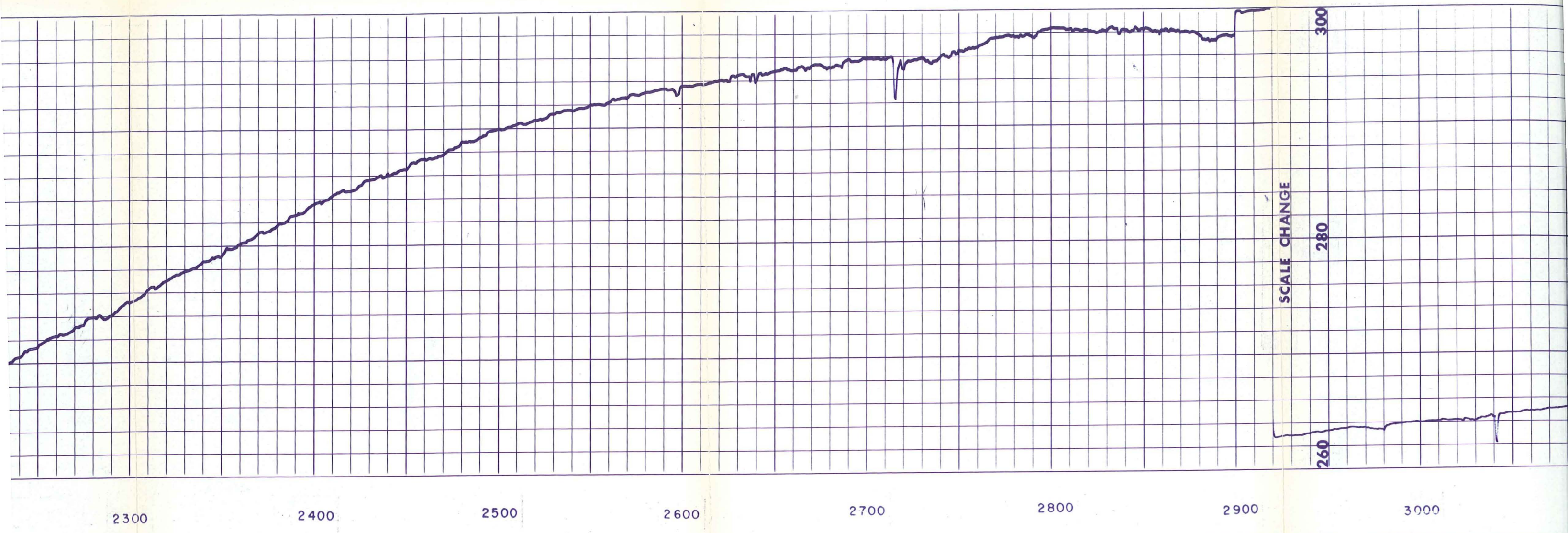


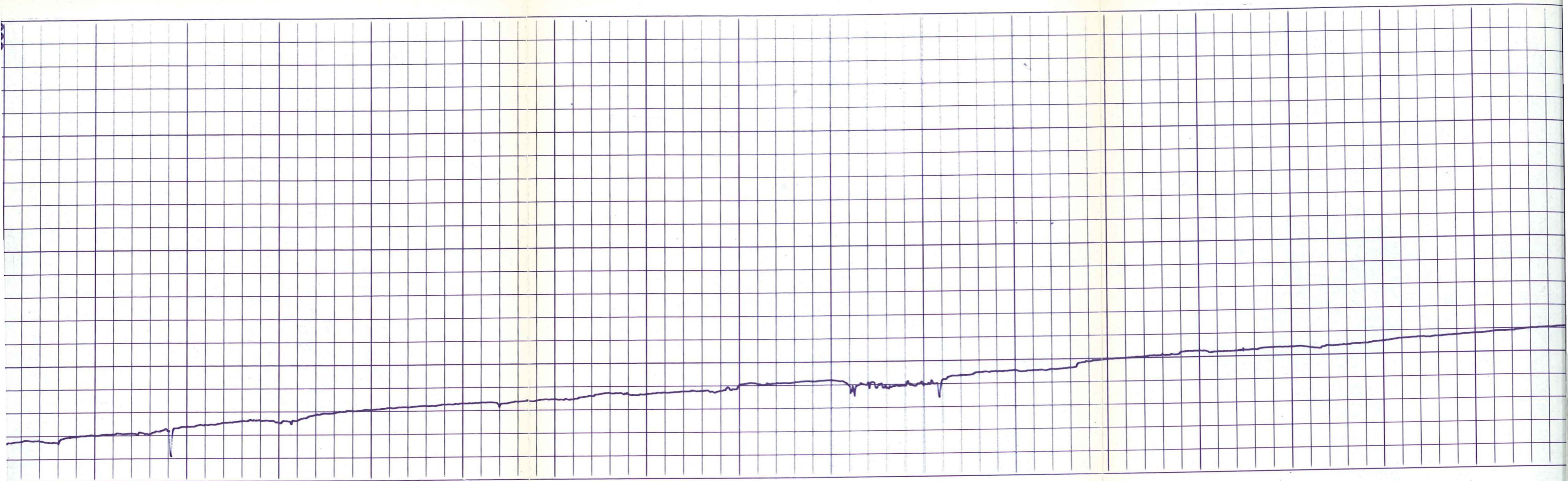
100 120 140



Run 13







3000

3100

3200

3300

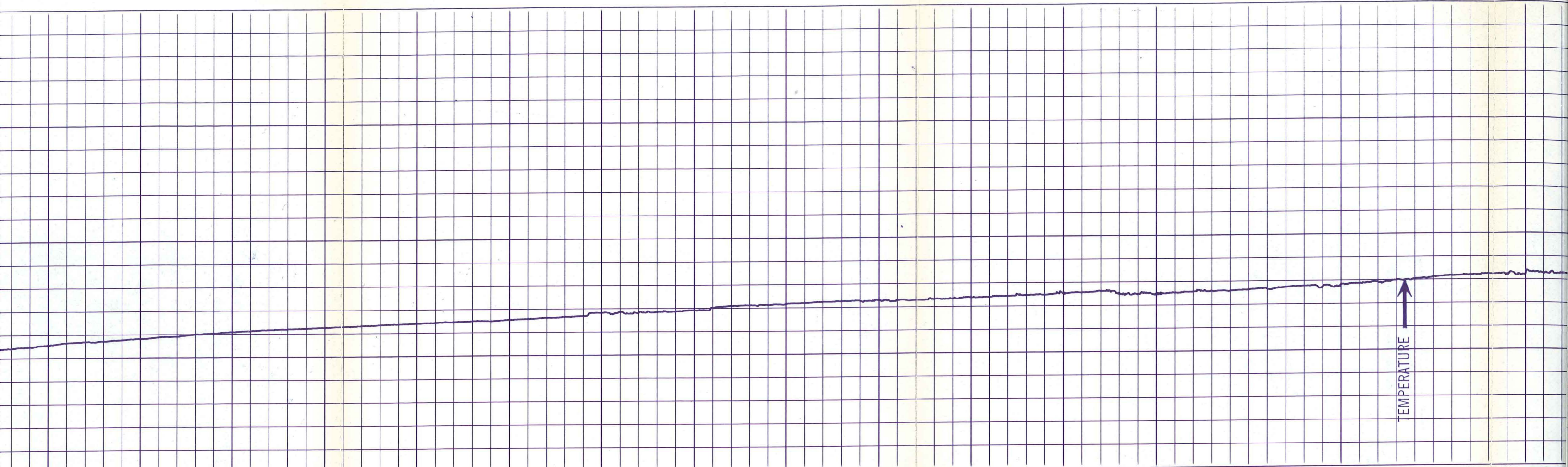
3400

3500

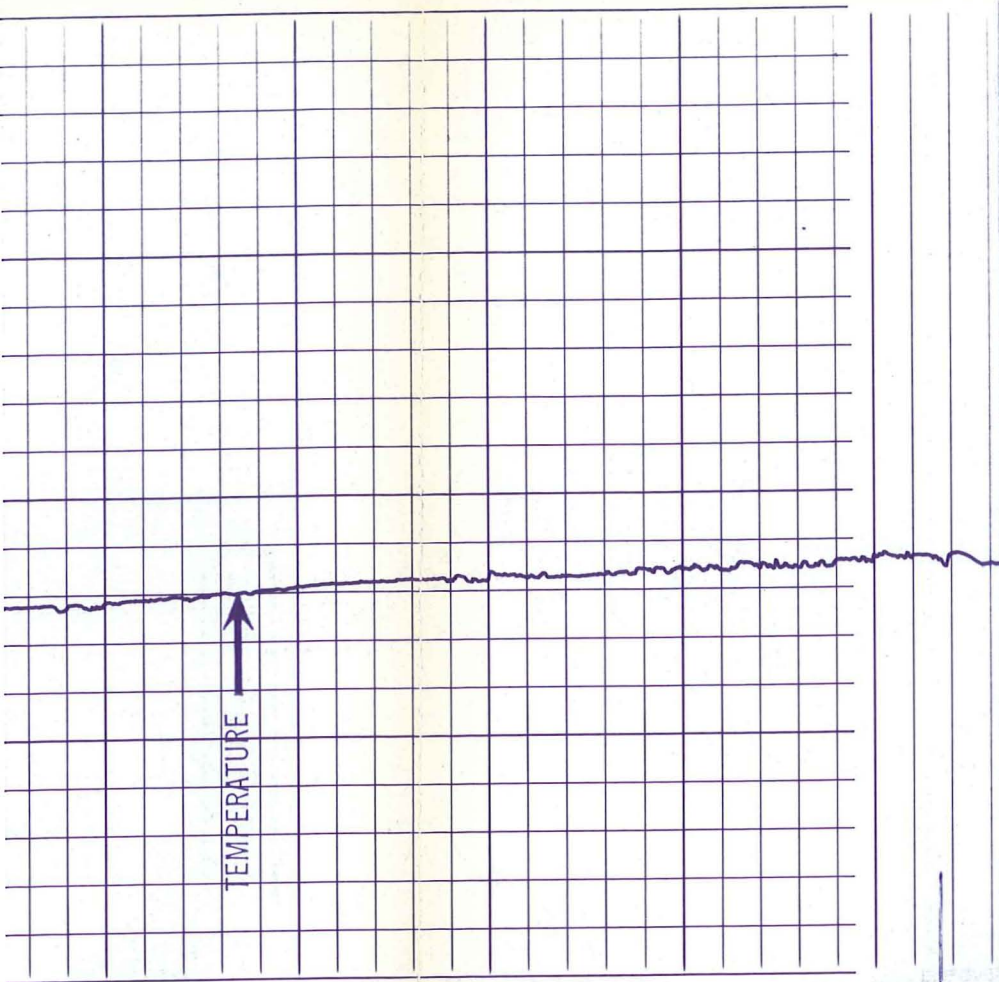
3600

3700

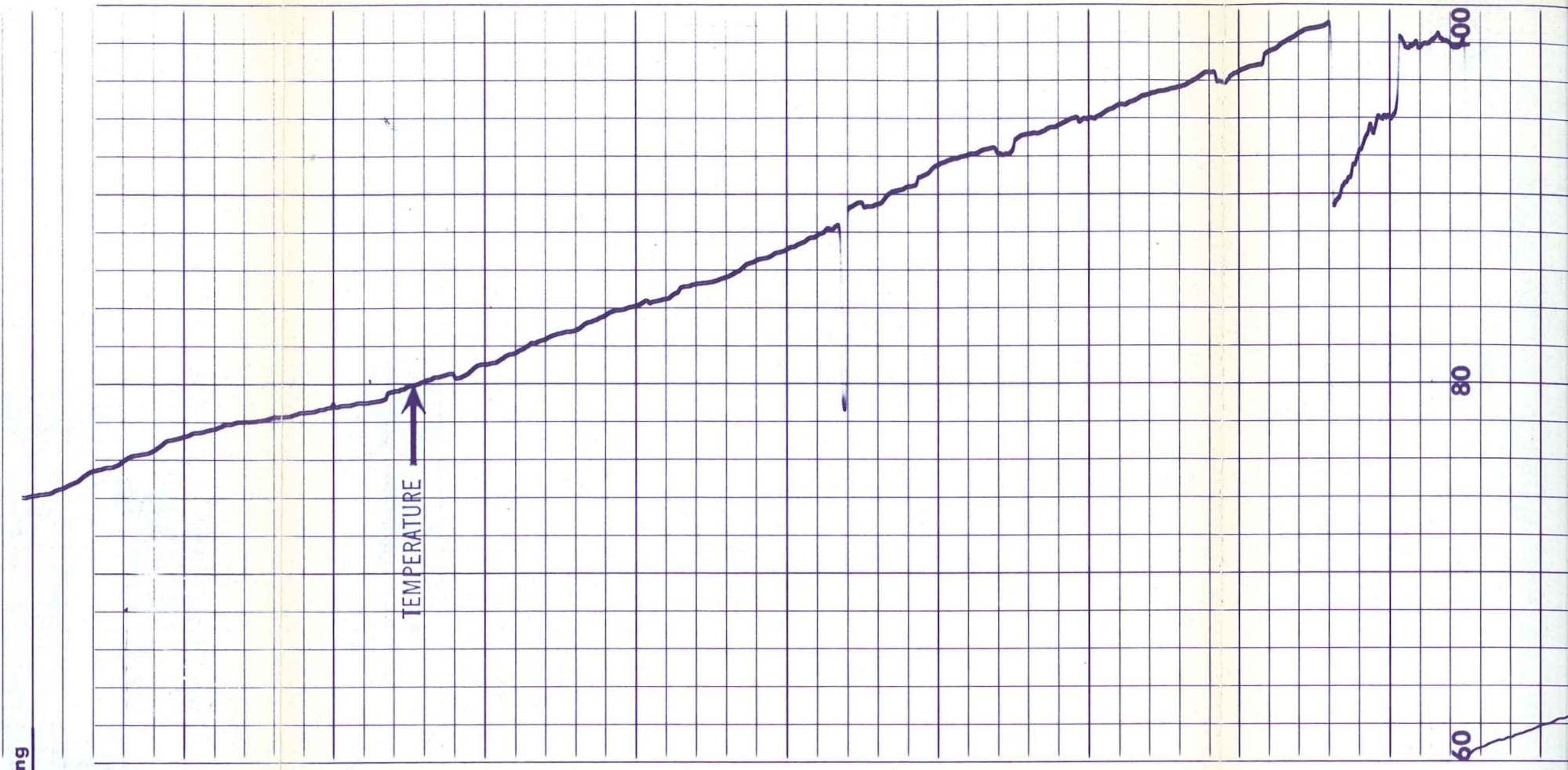
3800



3700 3800 3900 4000 4100 4200 4300 4400 4500

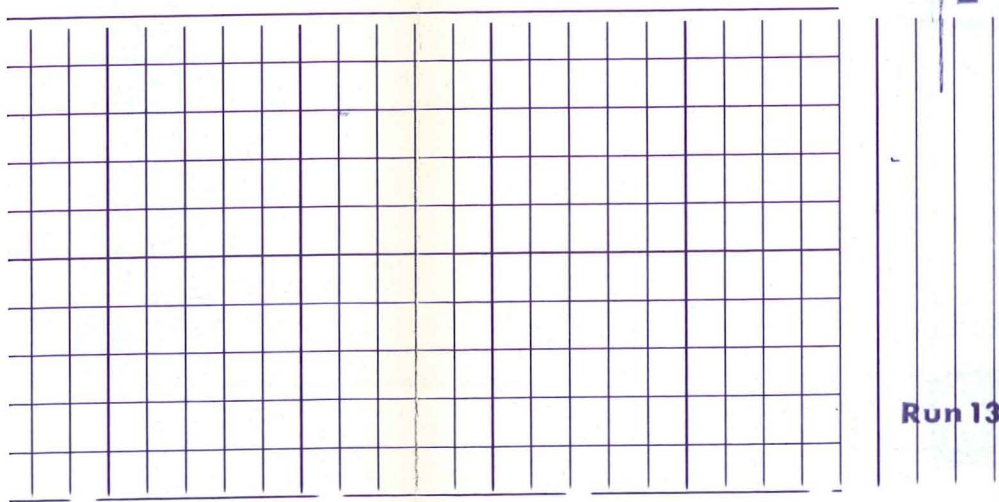


Run 13



Casing

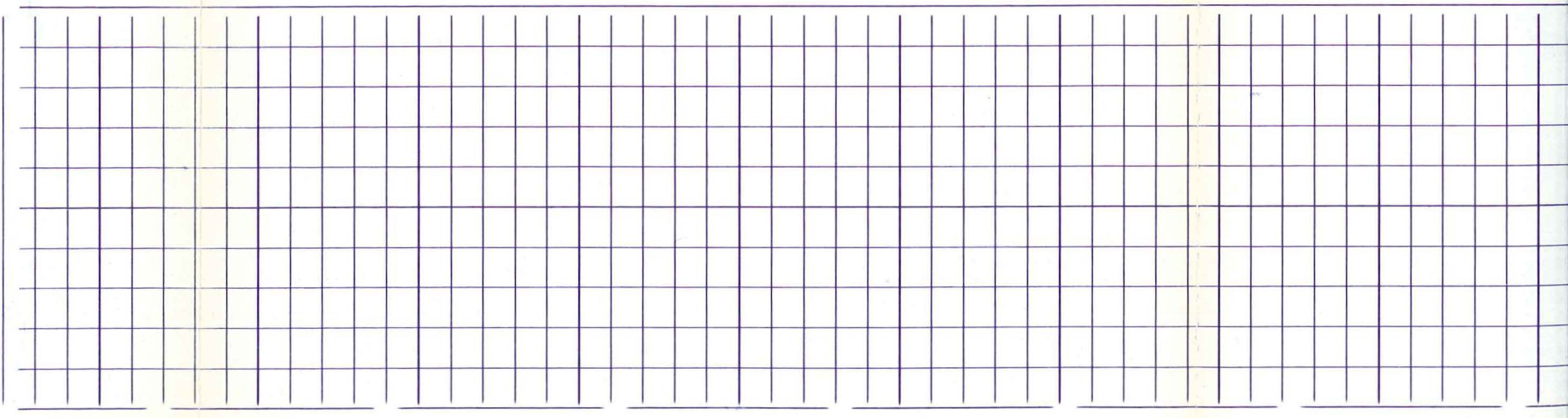
Run 14

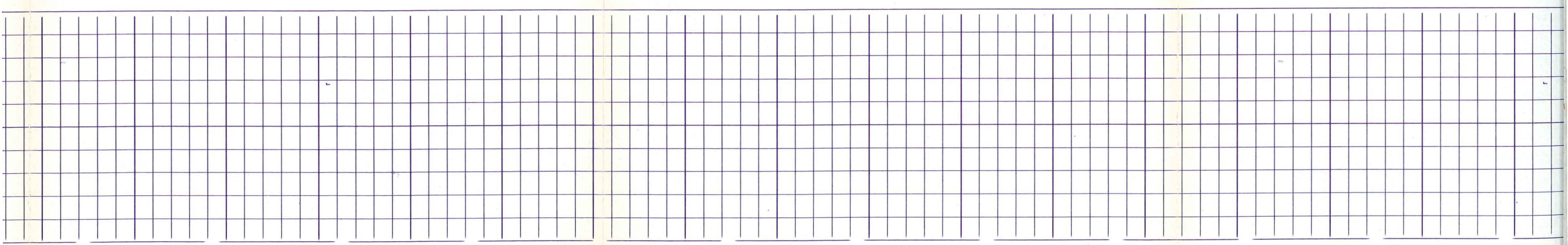
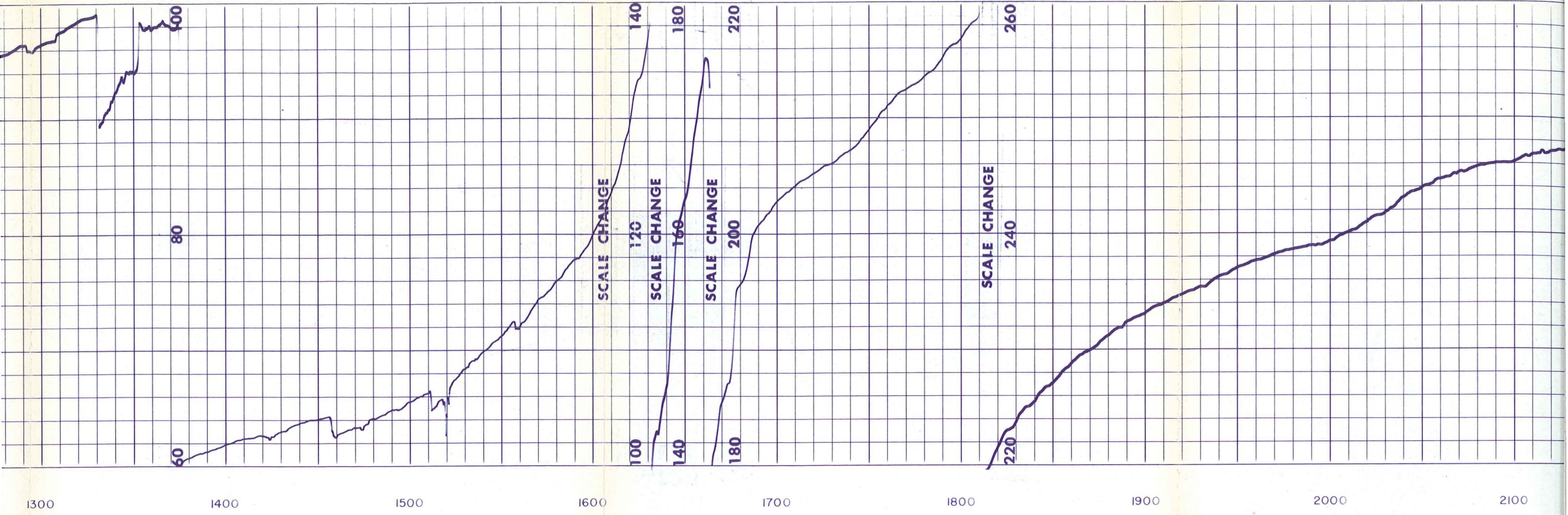


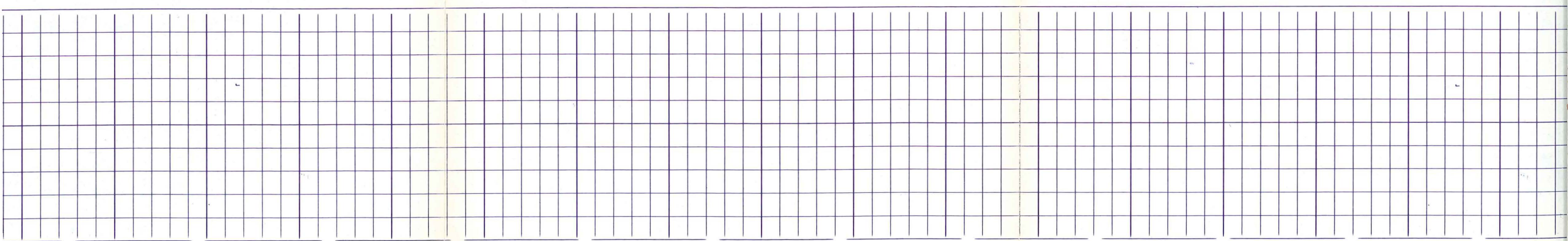
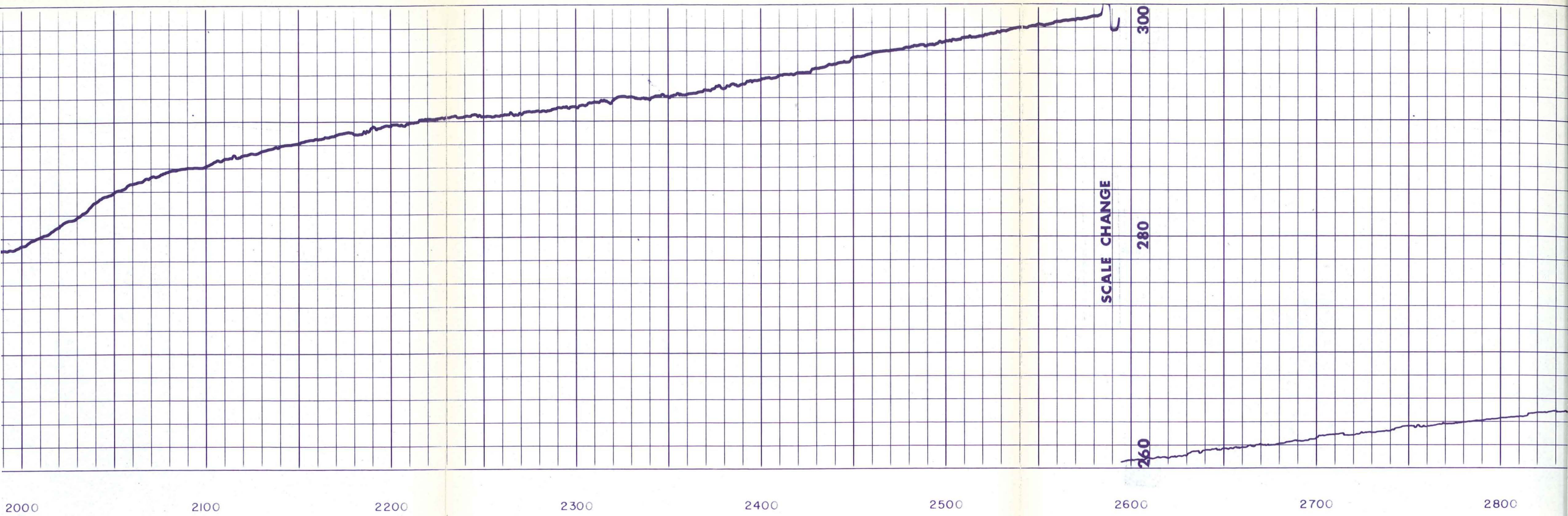
Run 13

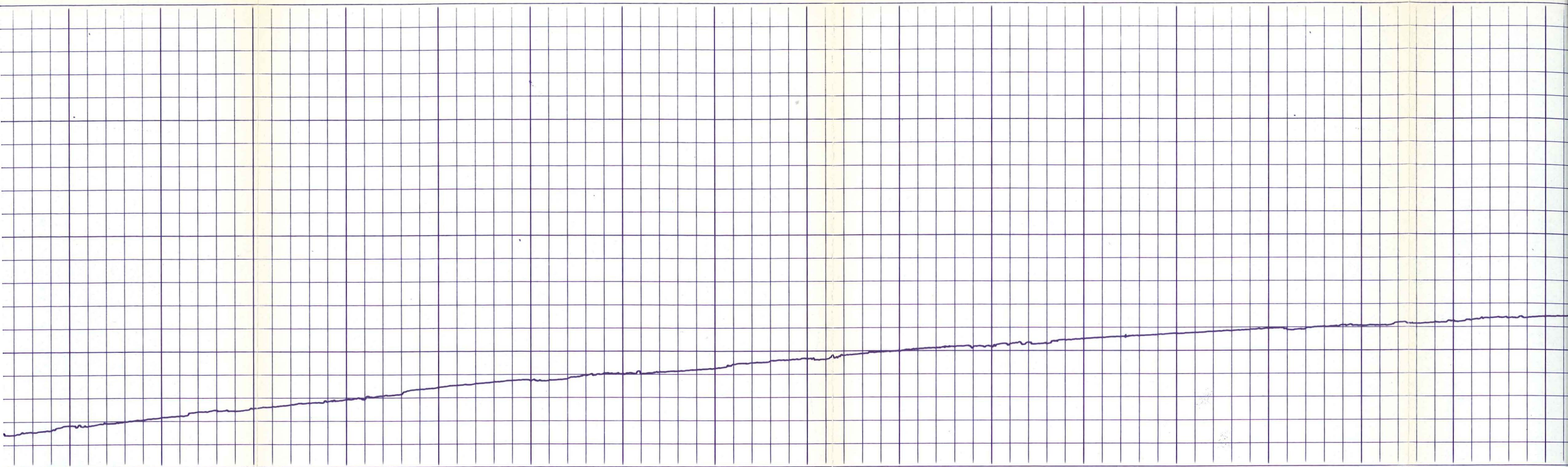


Run 14









2800

2900

3000

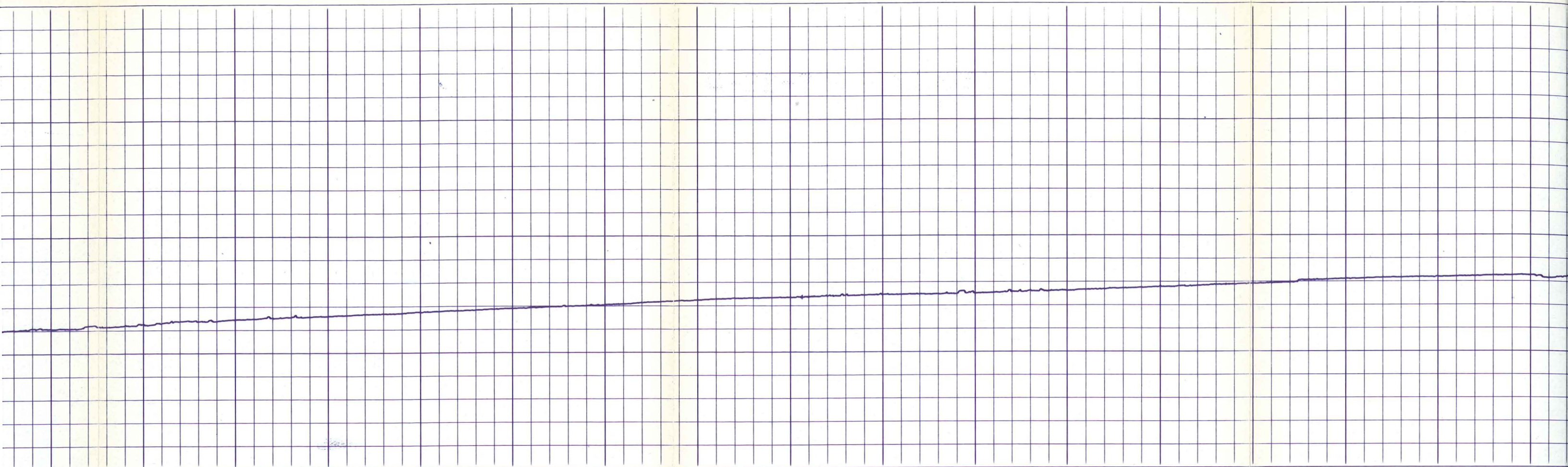
3100

3200

3300

3400

3500



3500

3600

3700

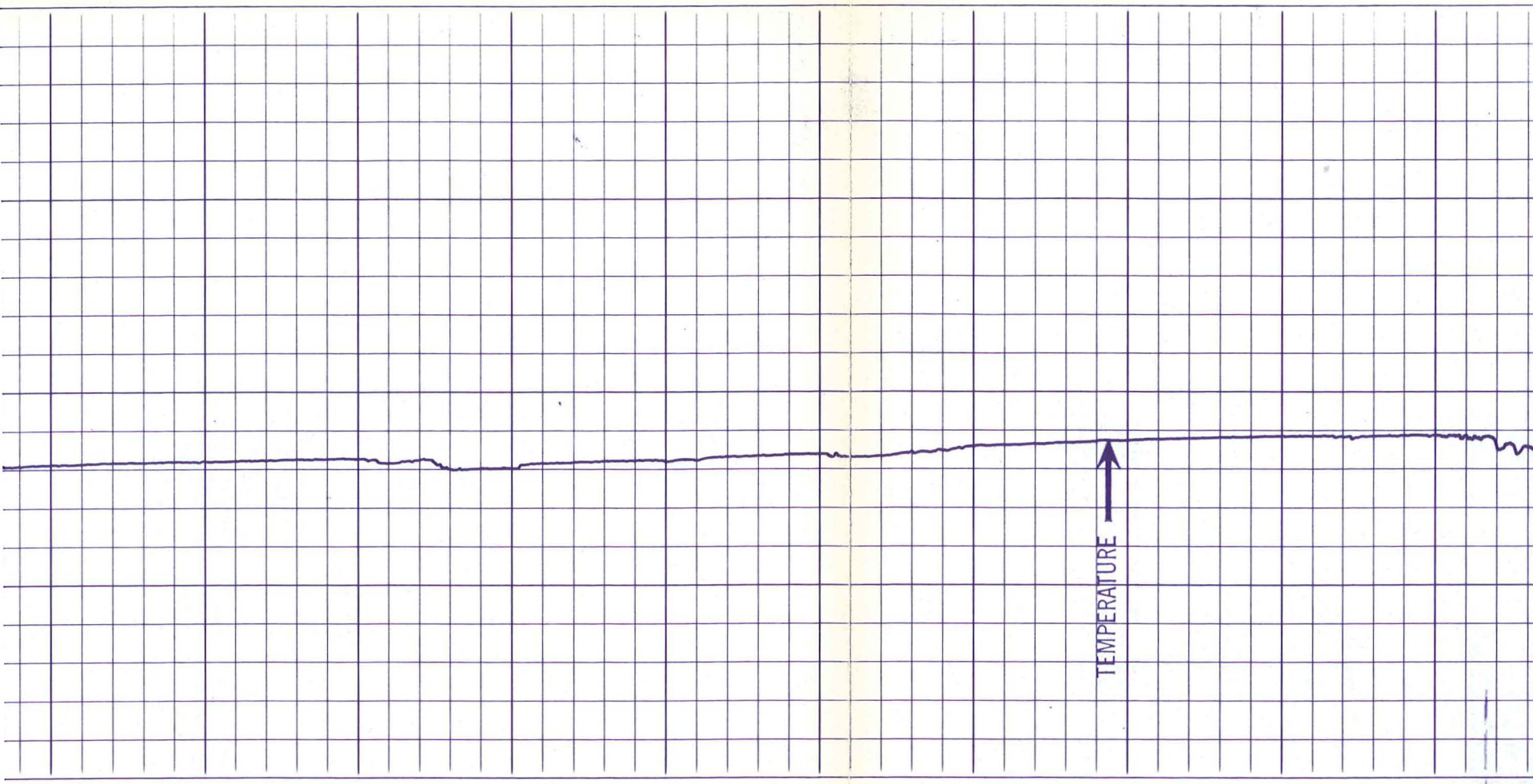
3800

3900

4000

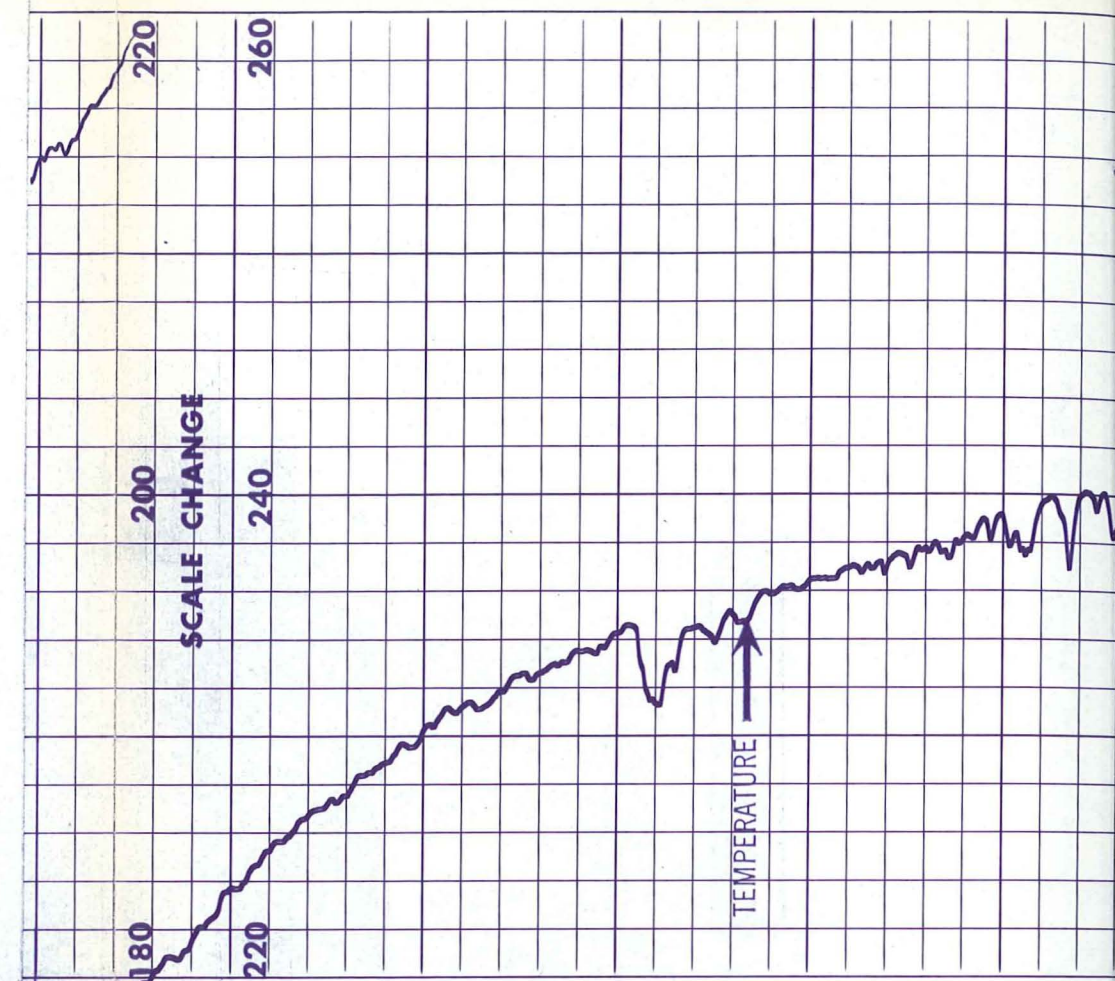
4100

4200



4200 4300 4400 4500 4600

Run 14



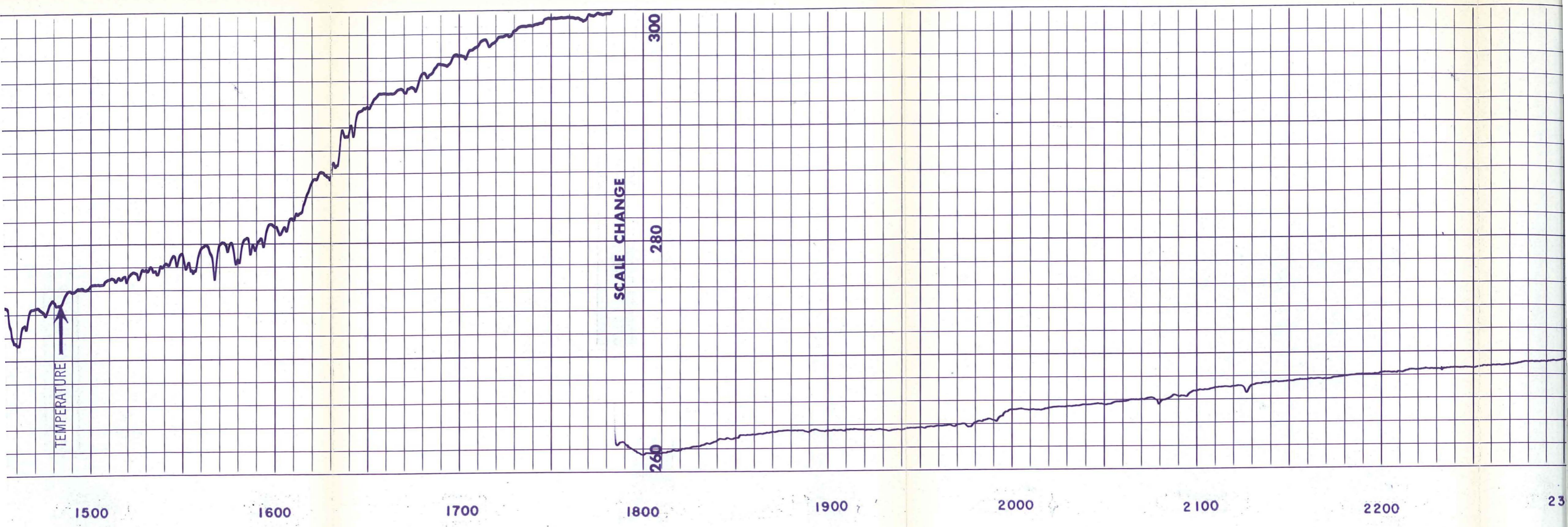
180 200 220 240 260

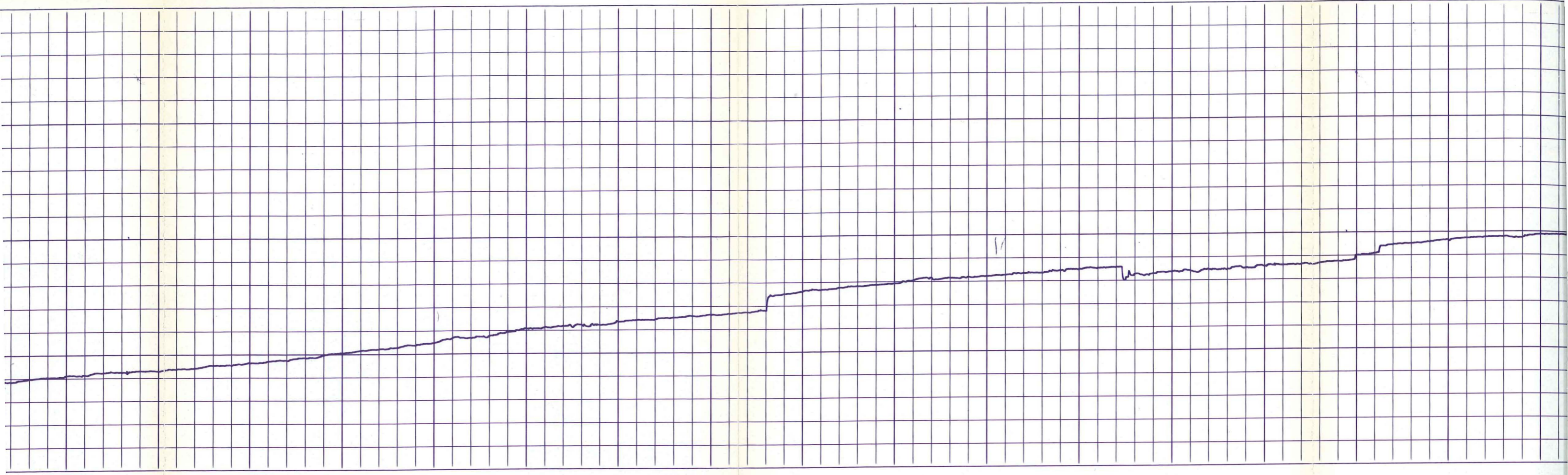
130
Run 15

1400 1500

Run 14 Run 15







2200

2300

2400

2500

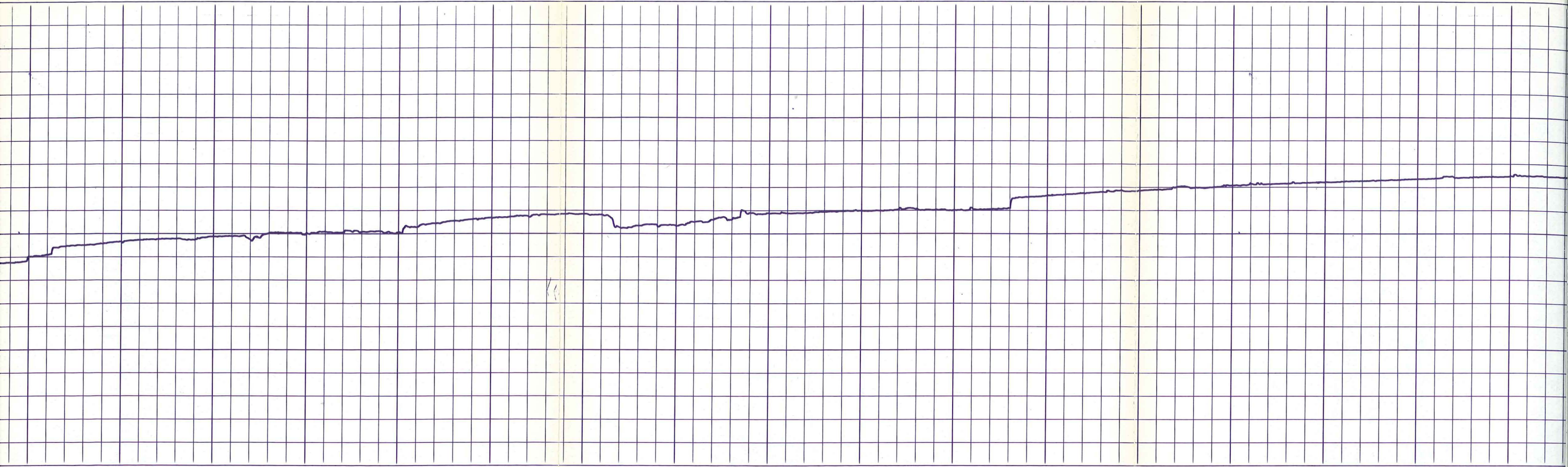
2600

2700

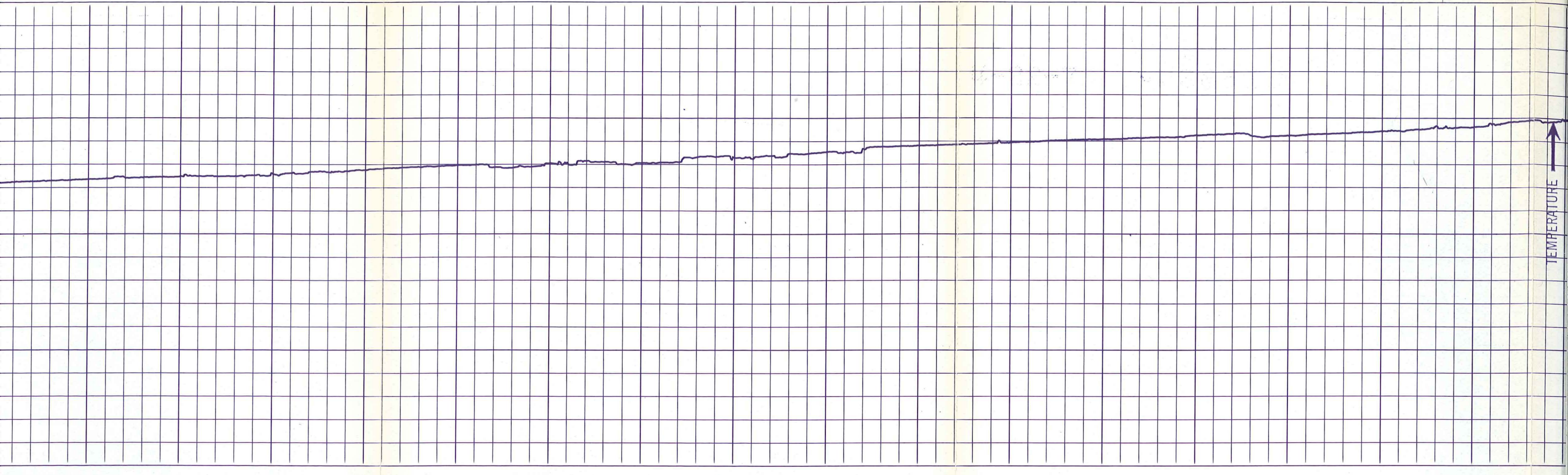
2800

2900

3000



2900 3000 3100 3200 3300 3400 3500 3600 3700



↑
TEMPERATURE

0

3700

3800

3900

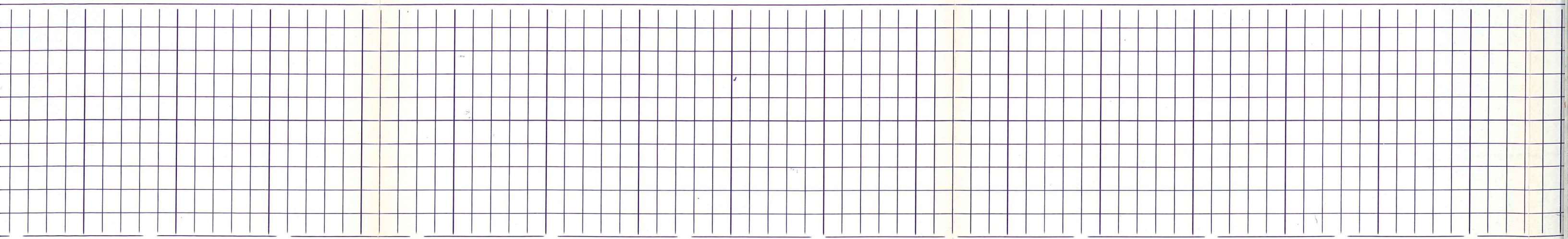
4000

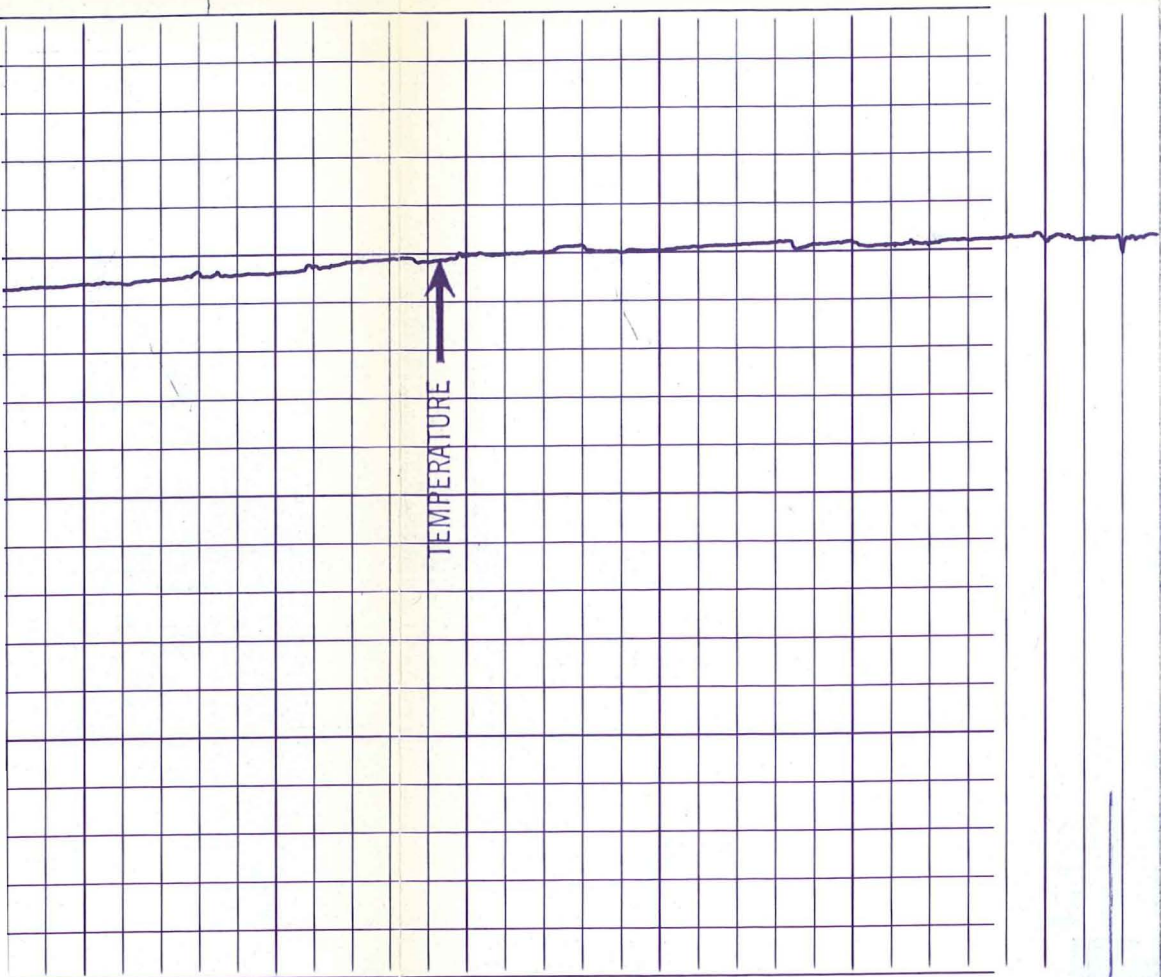
4100

4200

4300

4400





4400

4500

4600

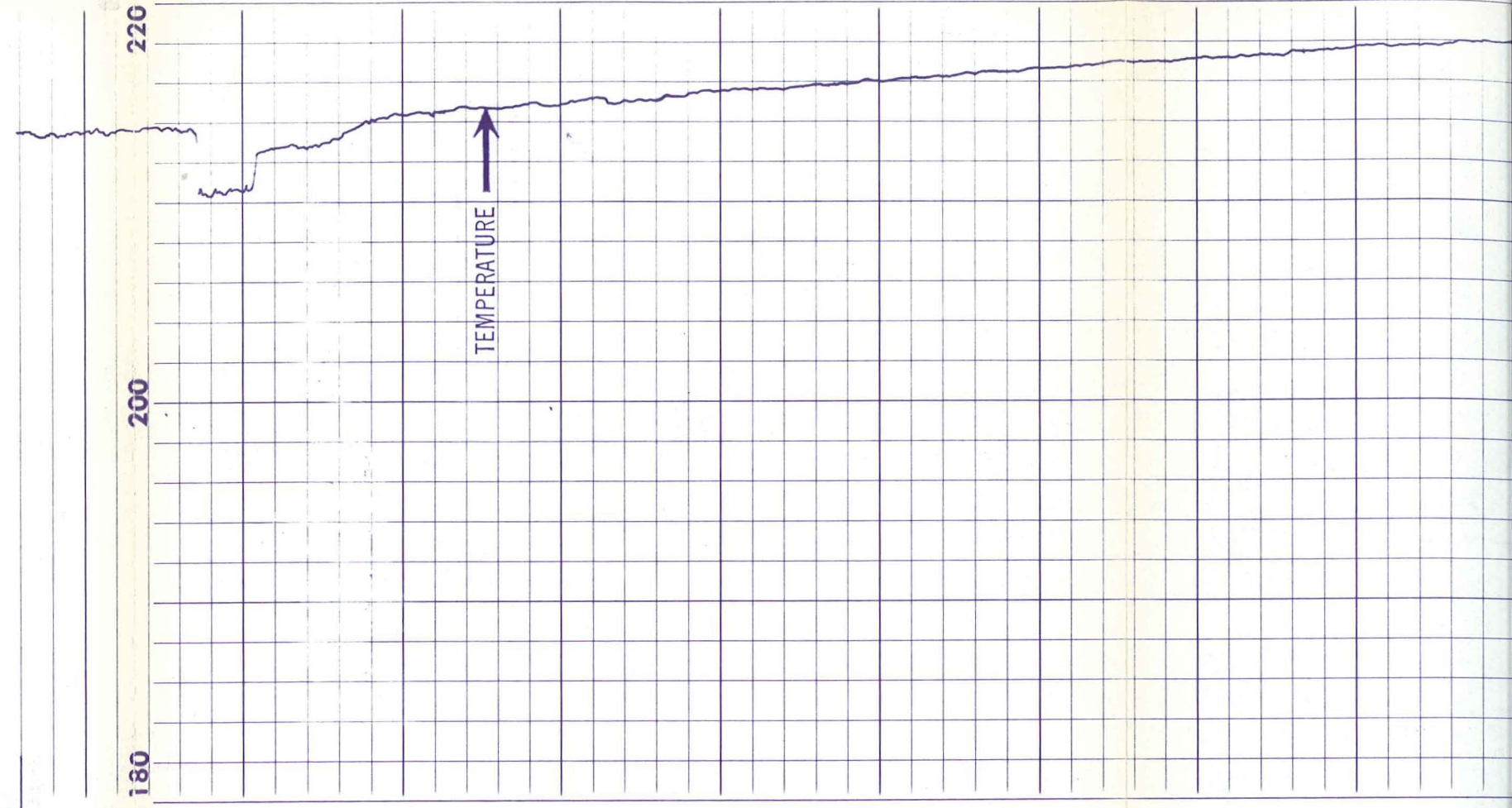
Run 15

Run 16
IR

Run 15



Run 16



220

200

180

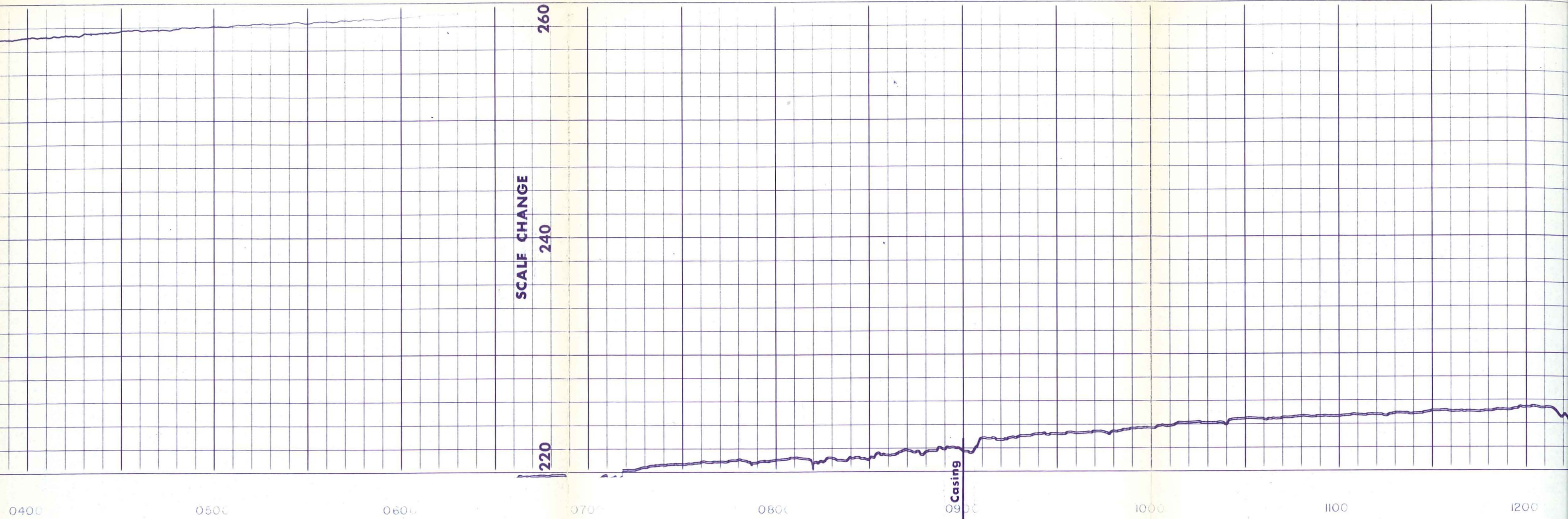
0100

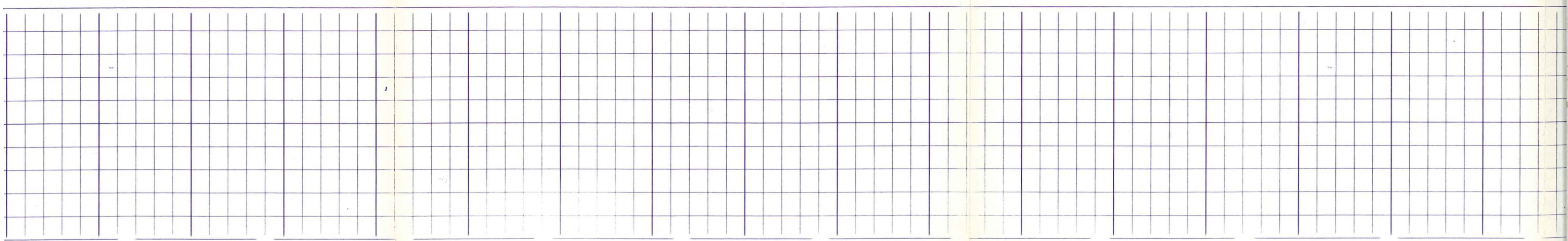
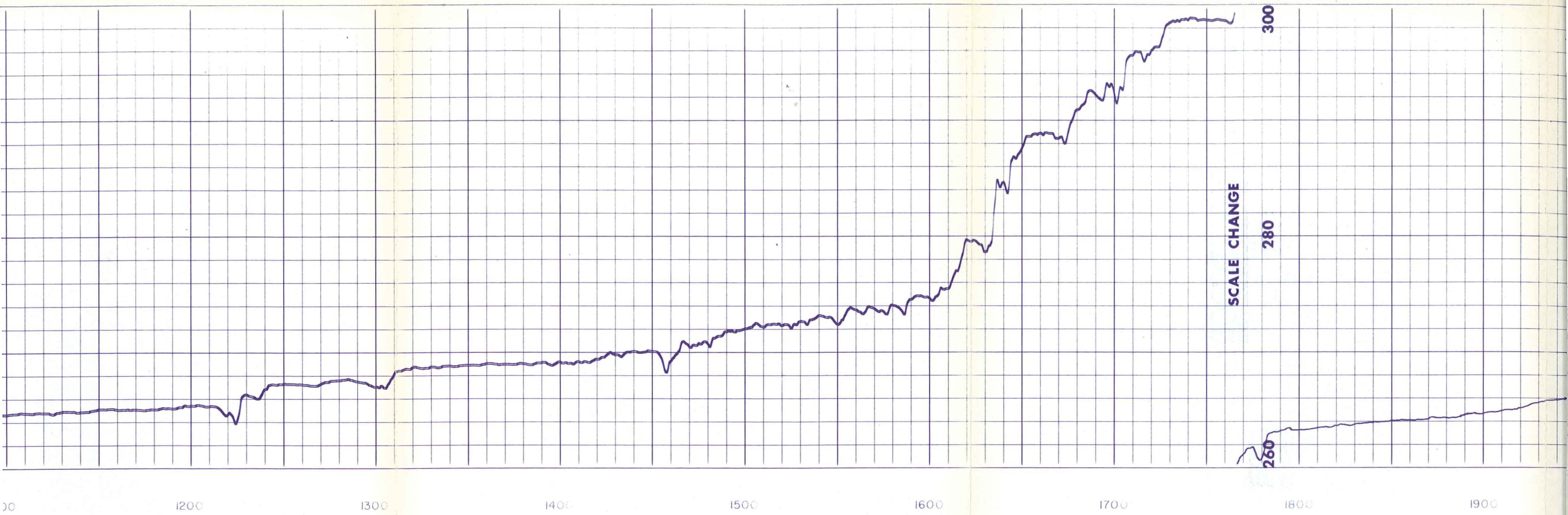
0200

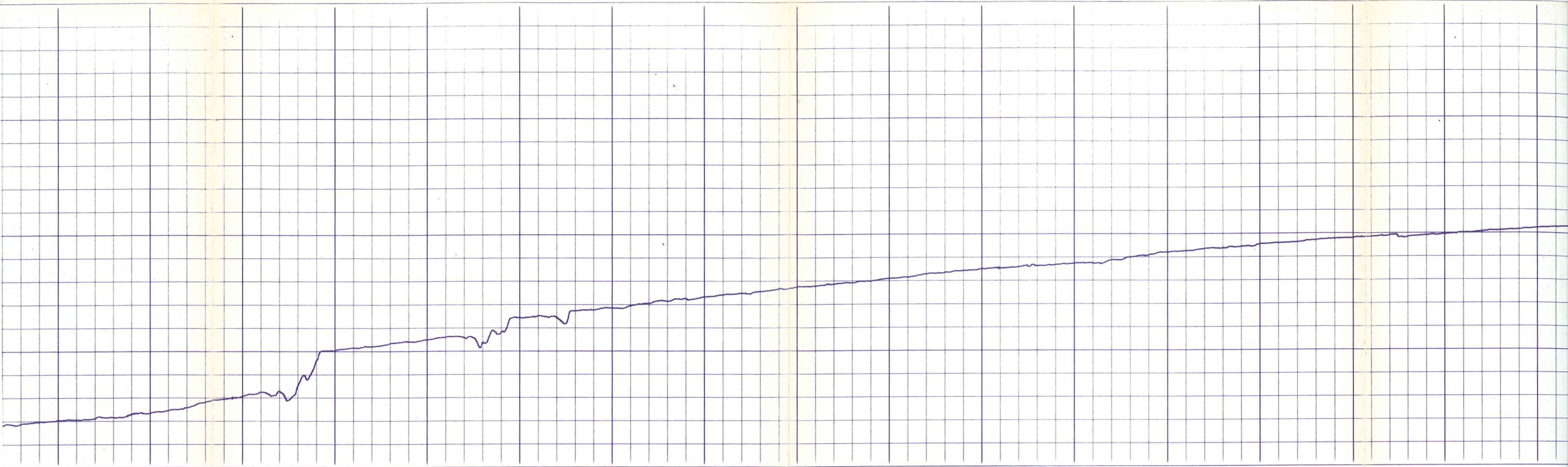
0300

0400

0500







1900

2000

2100

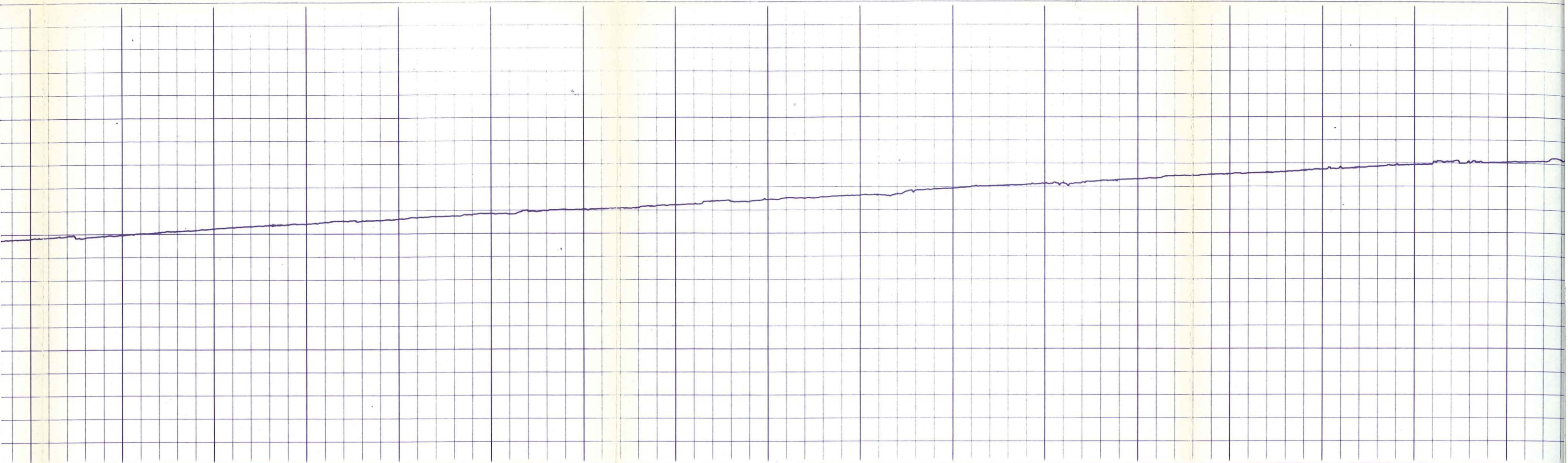
2200

2300

2400

2500

2600



2600

2700

2800

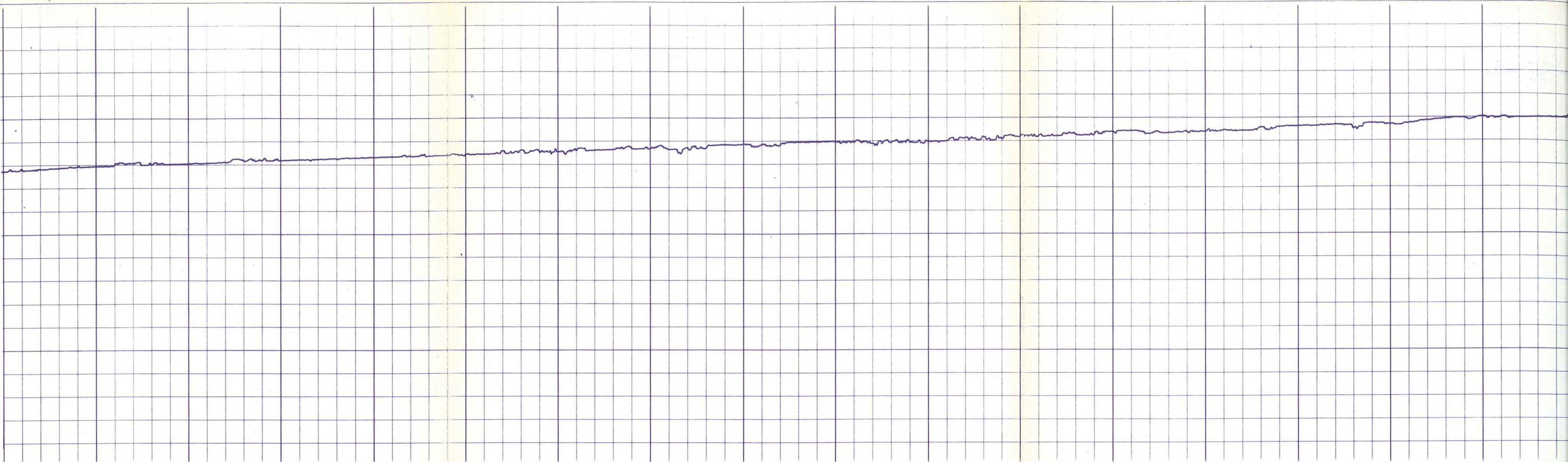
2900

3000

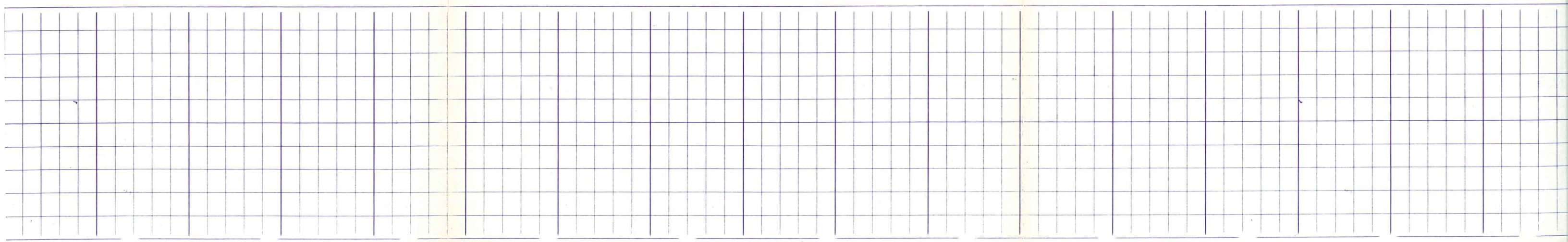
3100

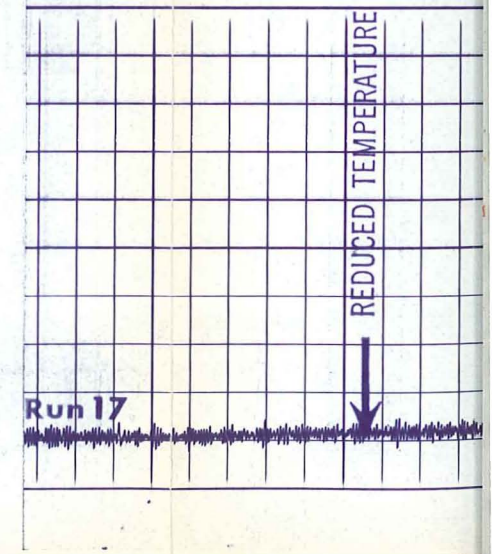
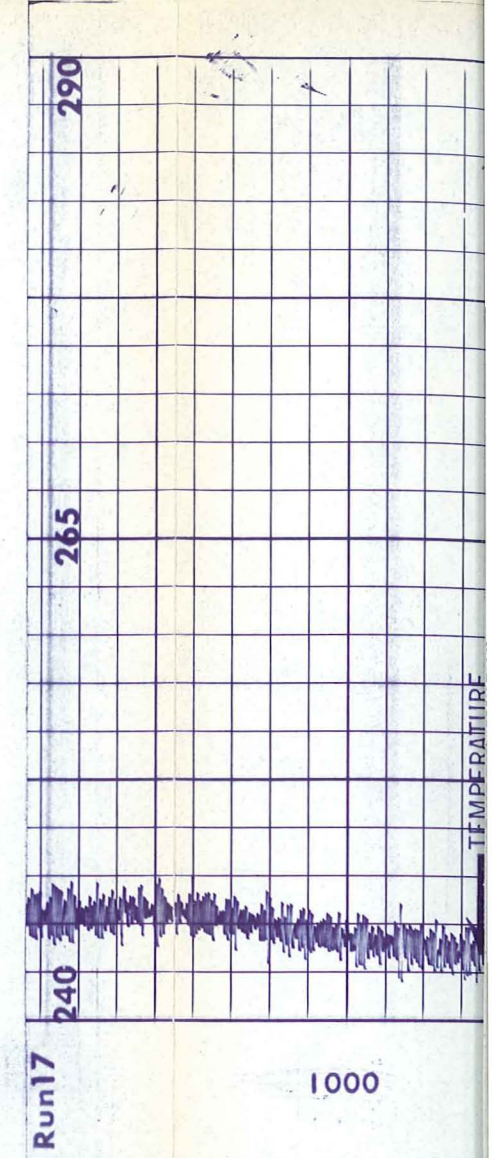
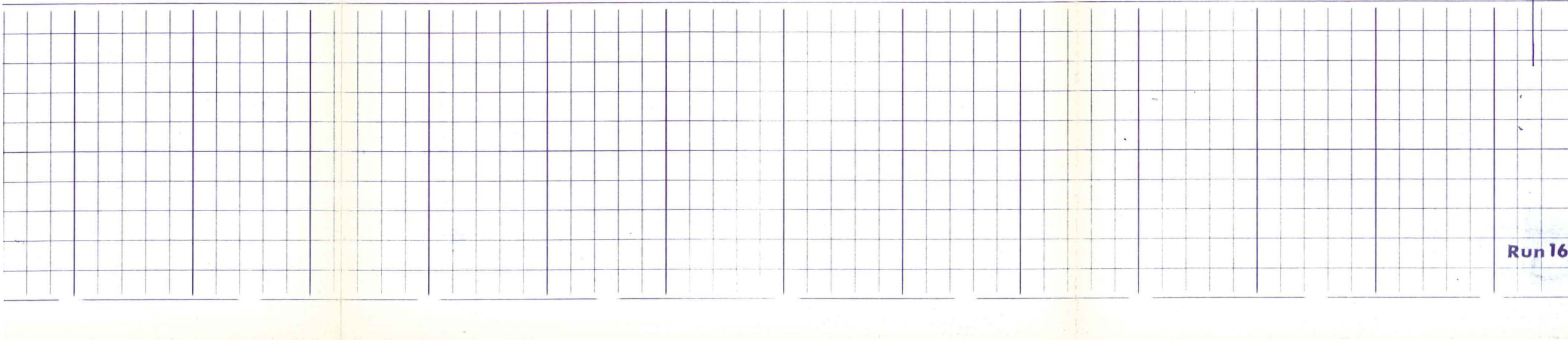
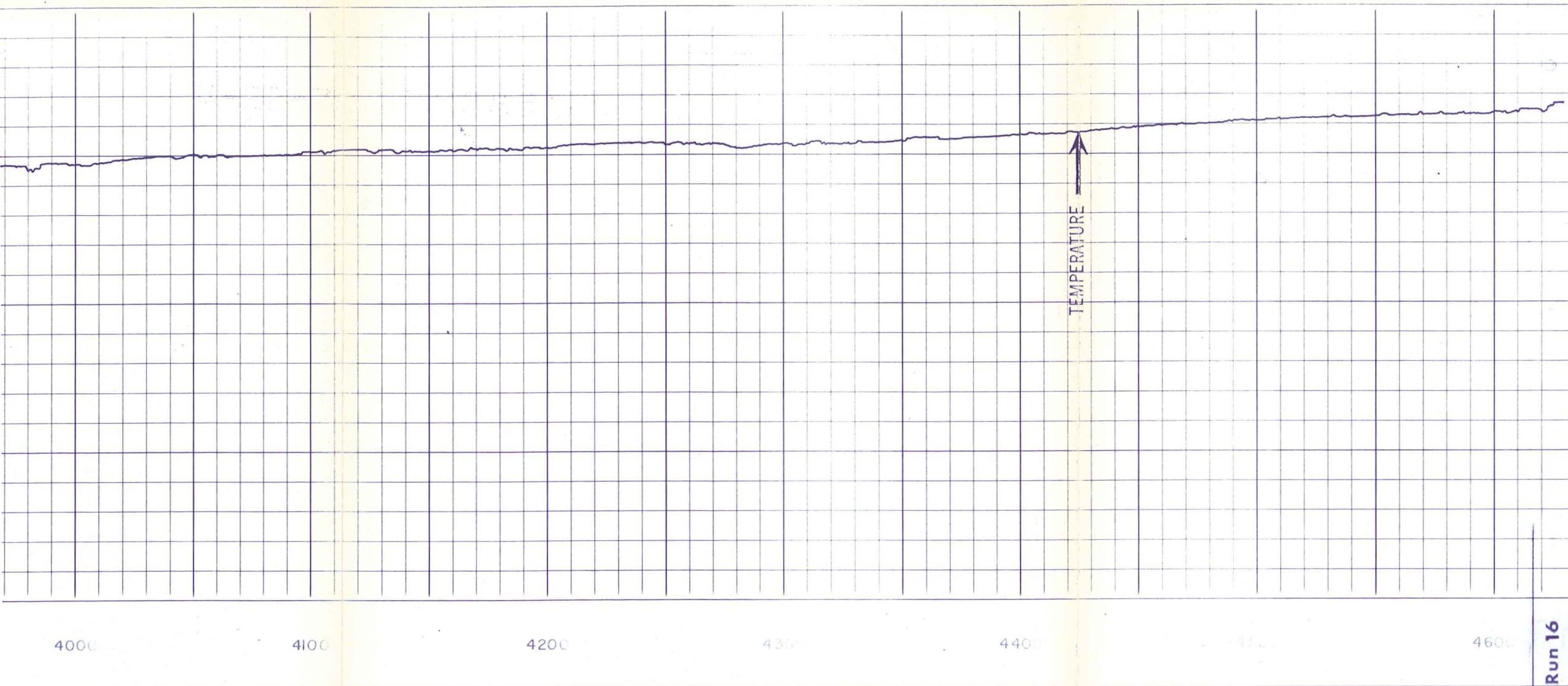
3200

3300

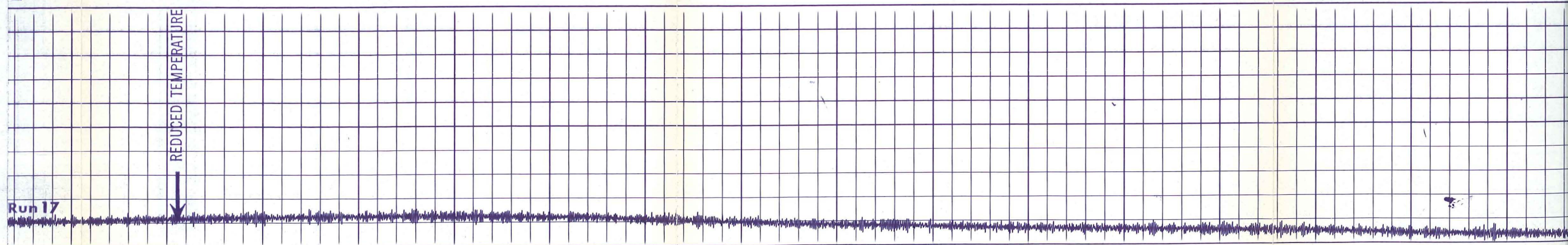
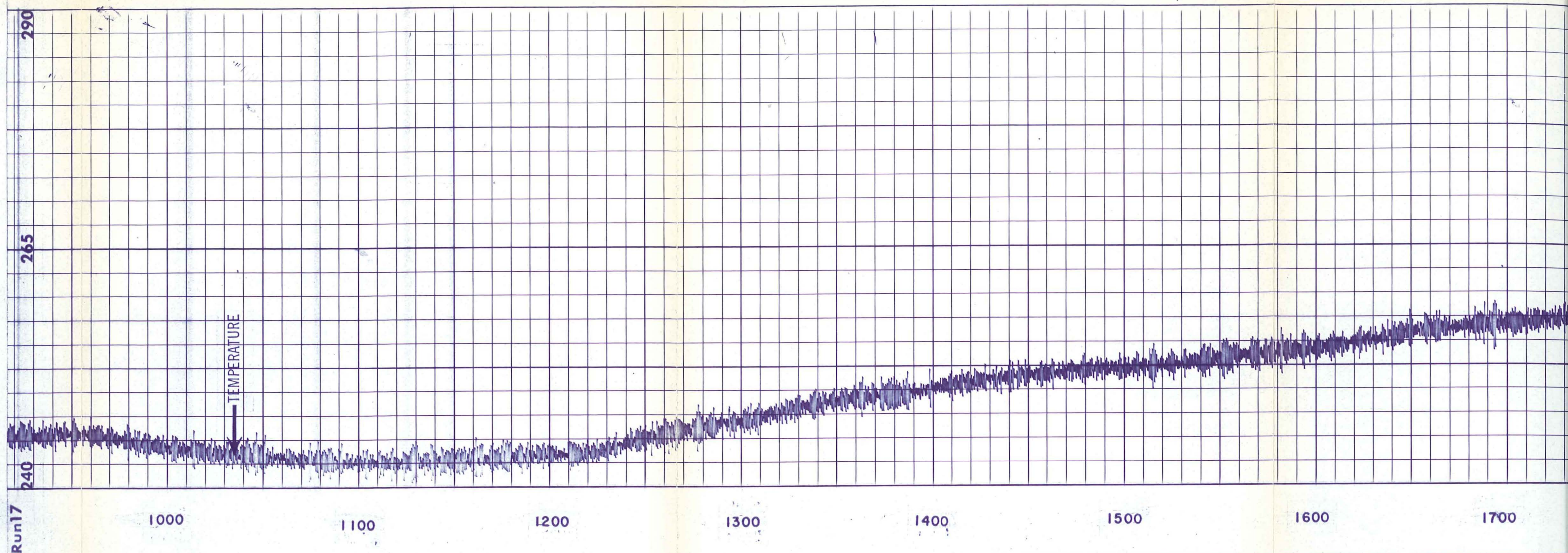


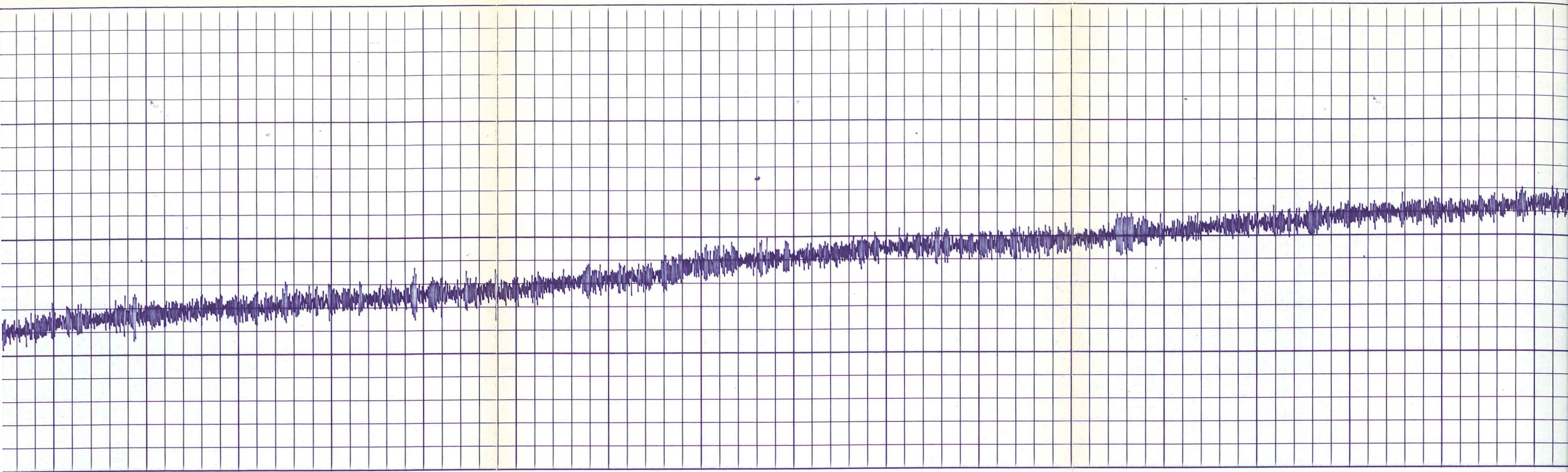
330 340 350 360 370 380 390 400 410





Run 16 ↔ Run 17





1700

1800

1900

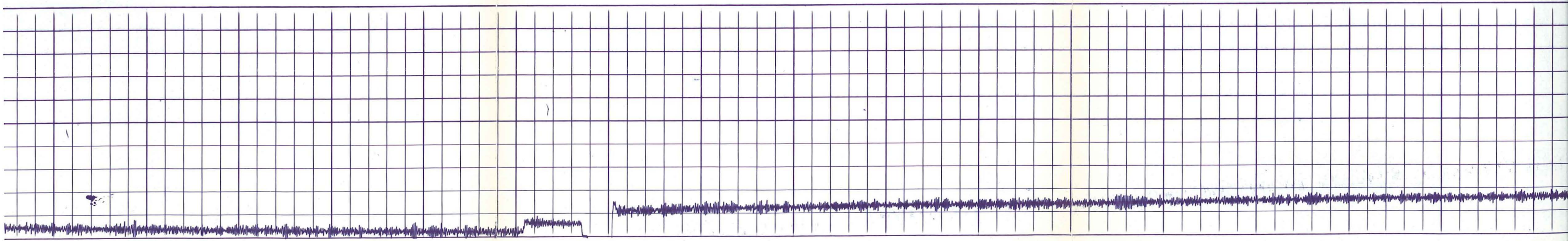
2000

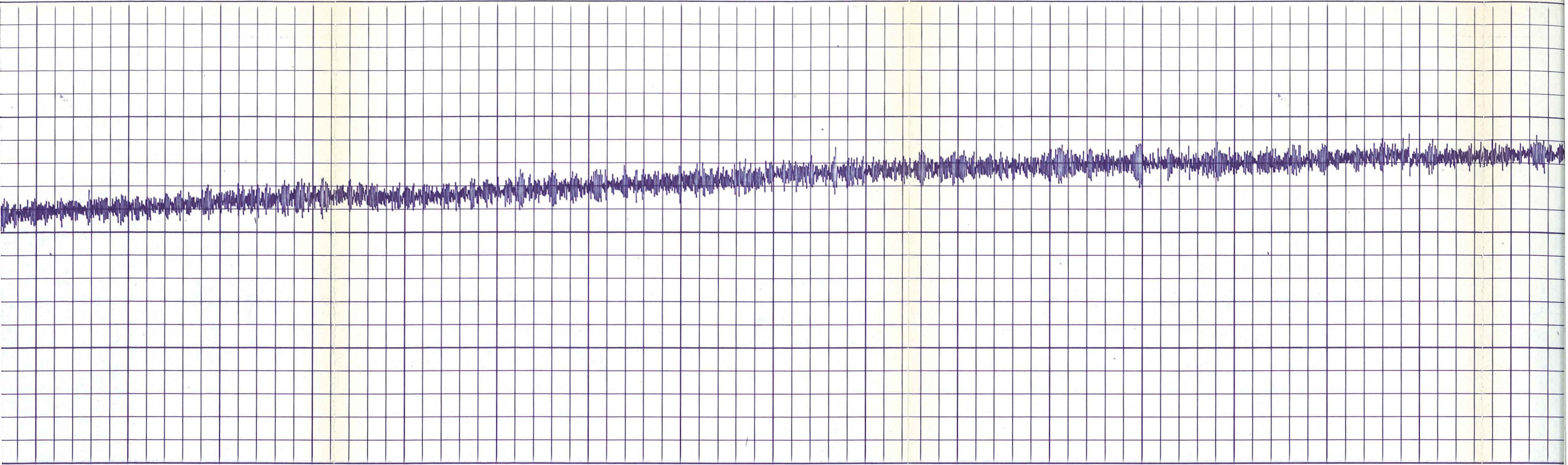
2100

2200

2300

2400





2400

2500

2600

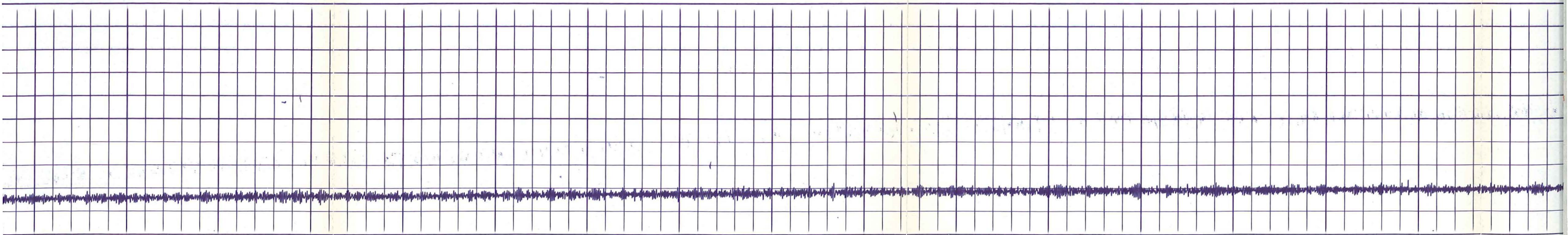
2700

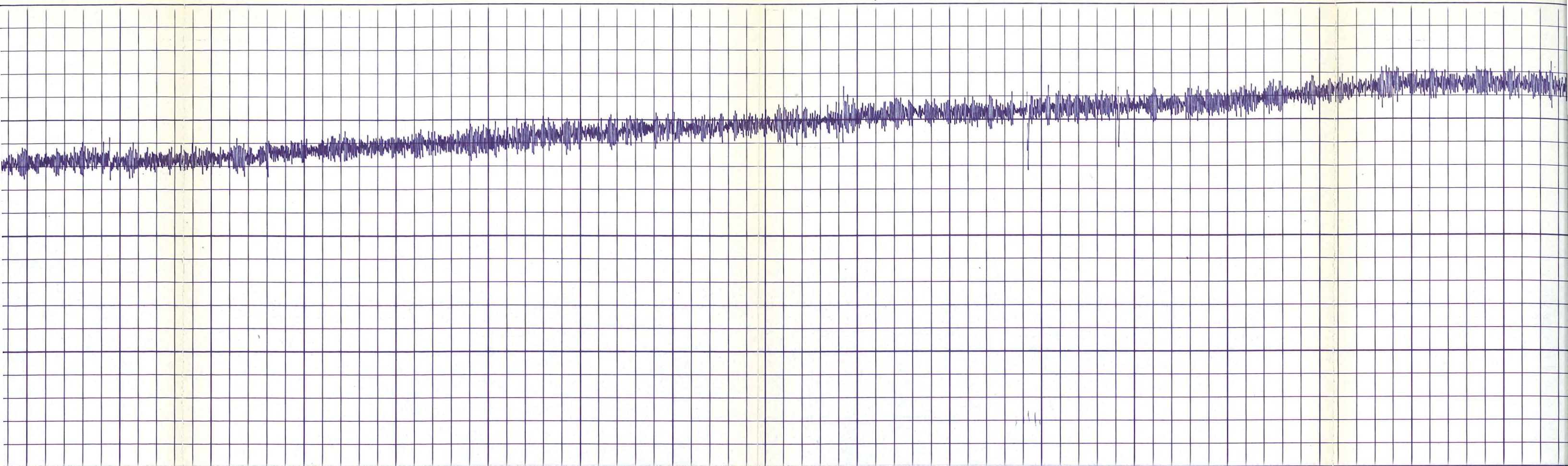
2800

2900

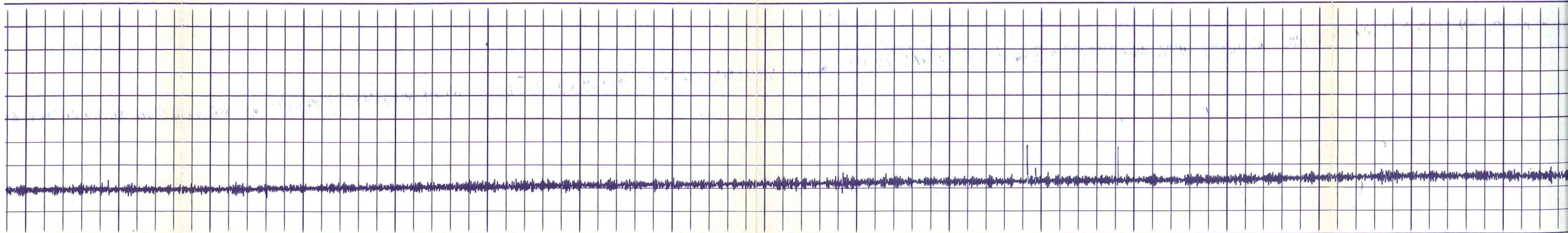
3000

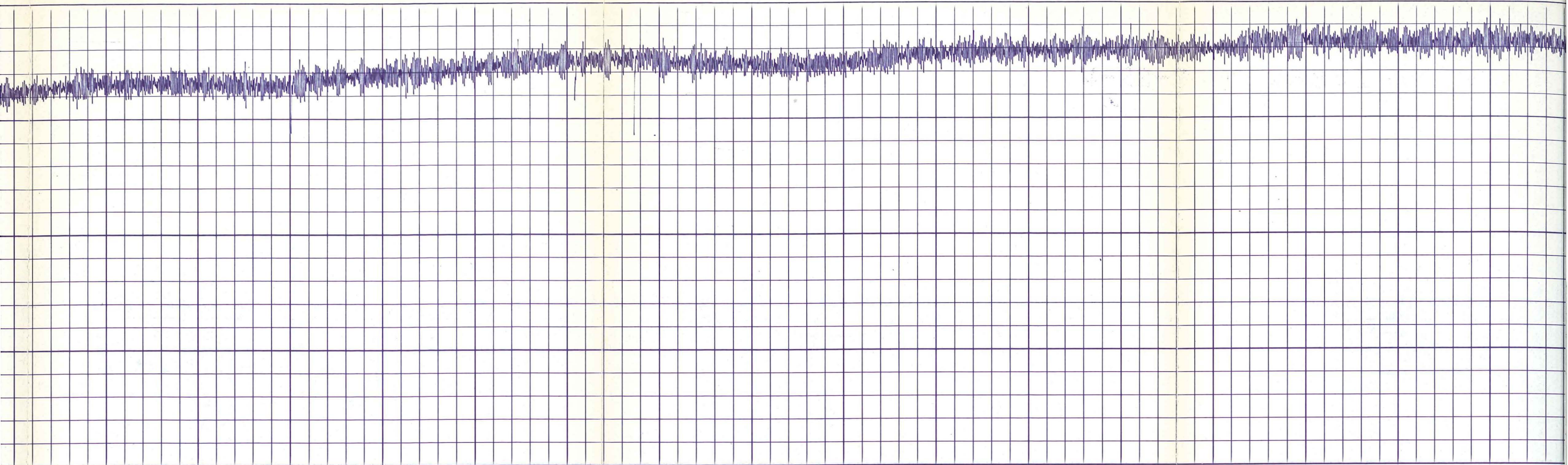
3100





3100 3200 3300 3400 3500 3600 3700 3800





3800

3900

4000

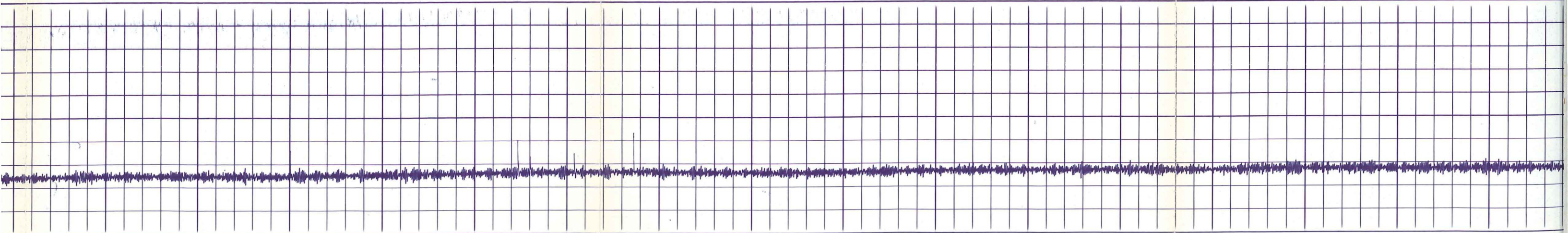
4100

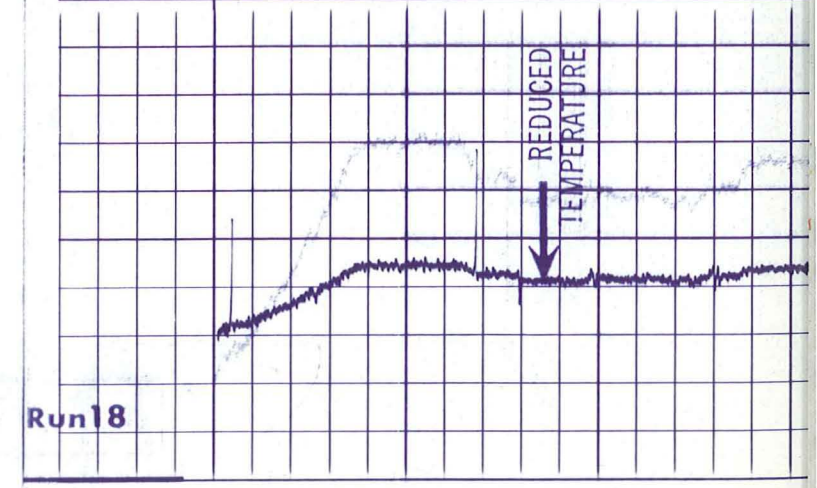
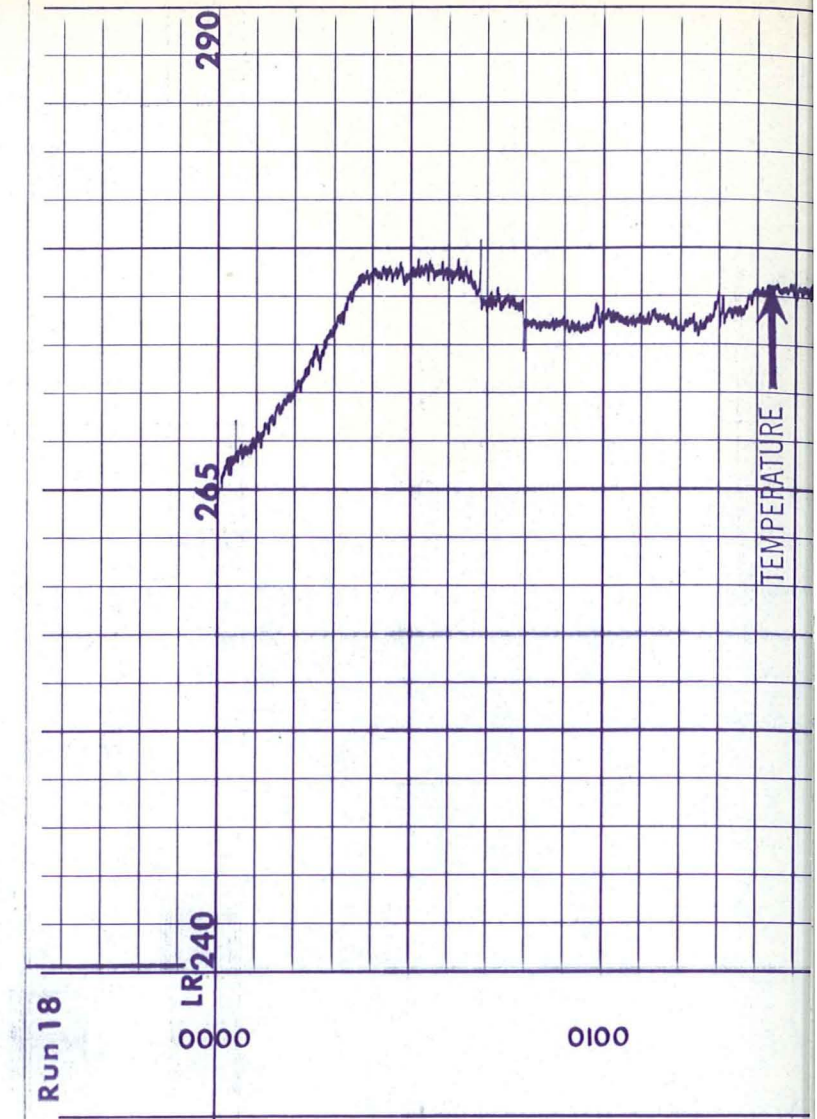
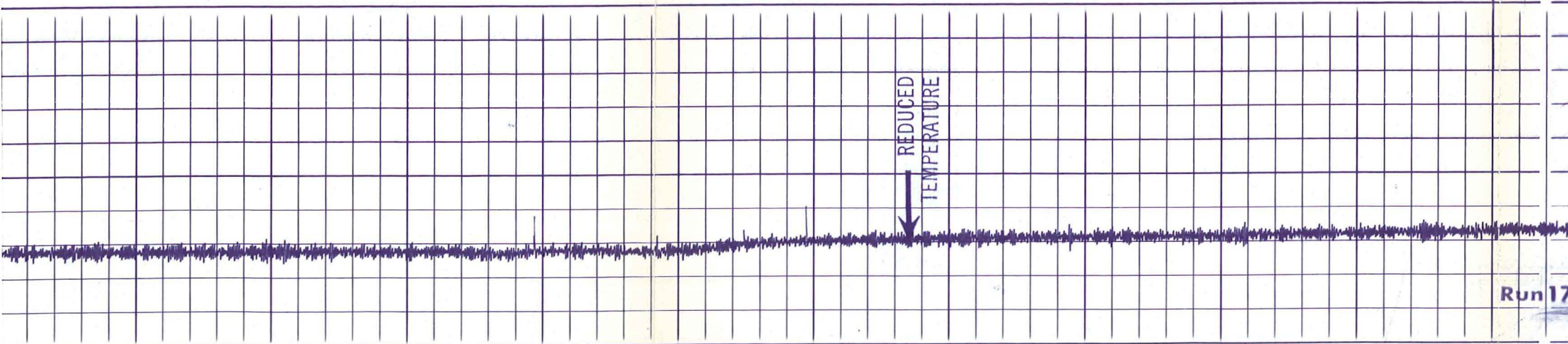
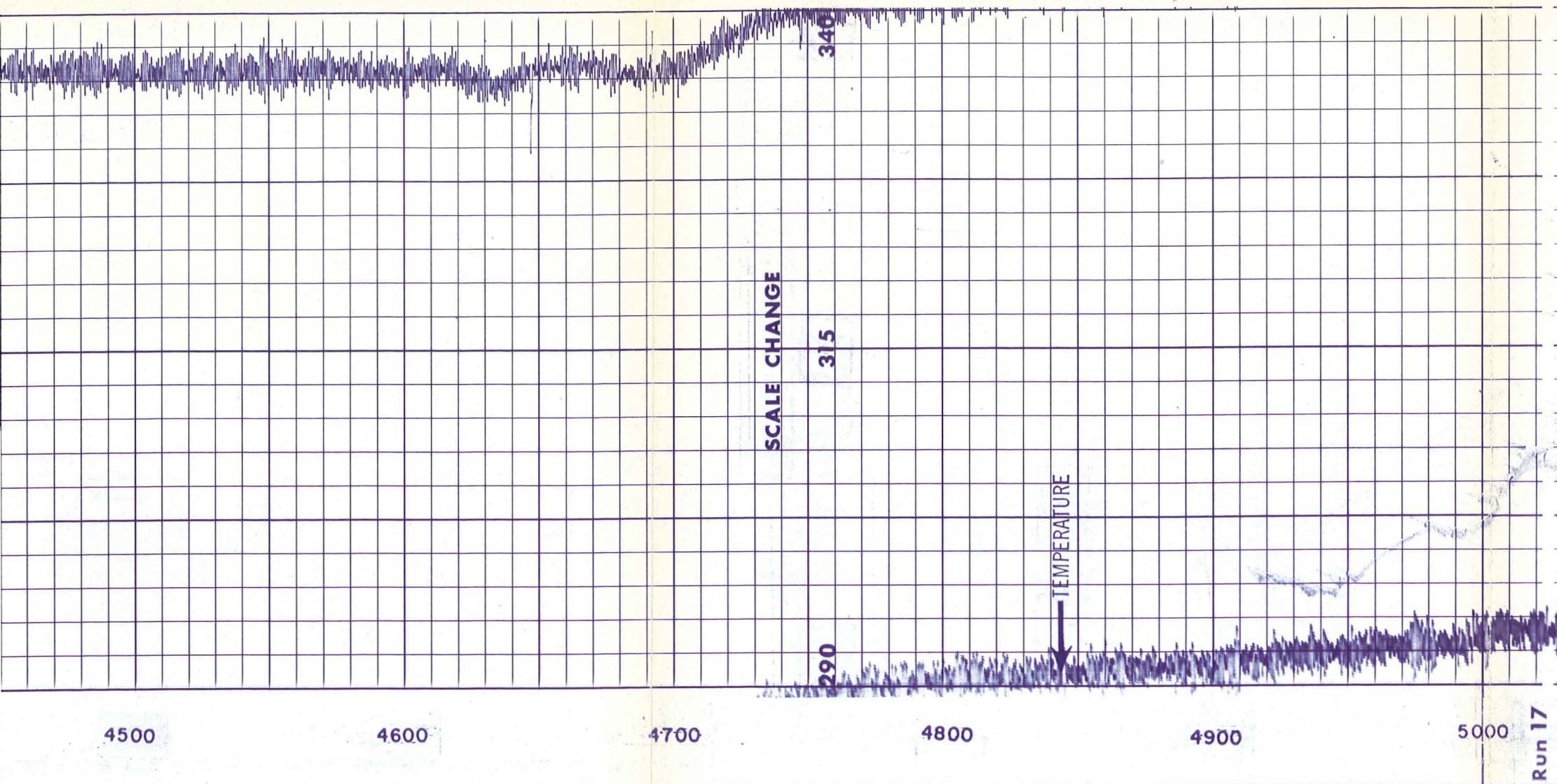
4200

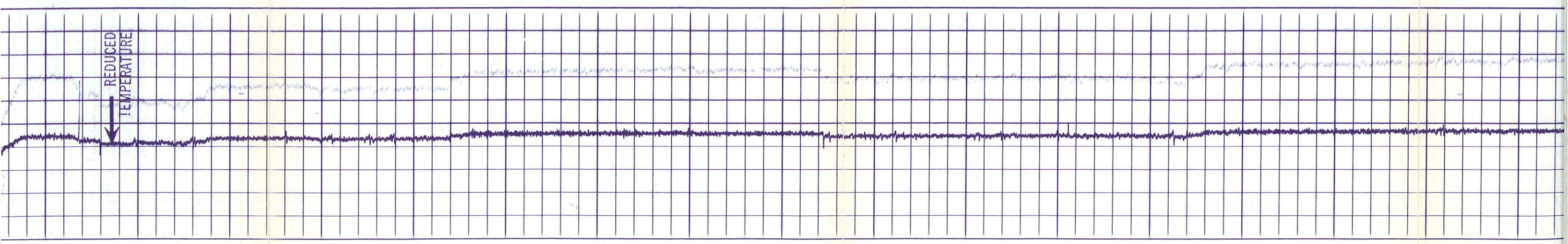
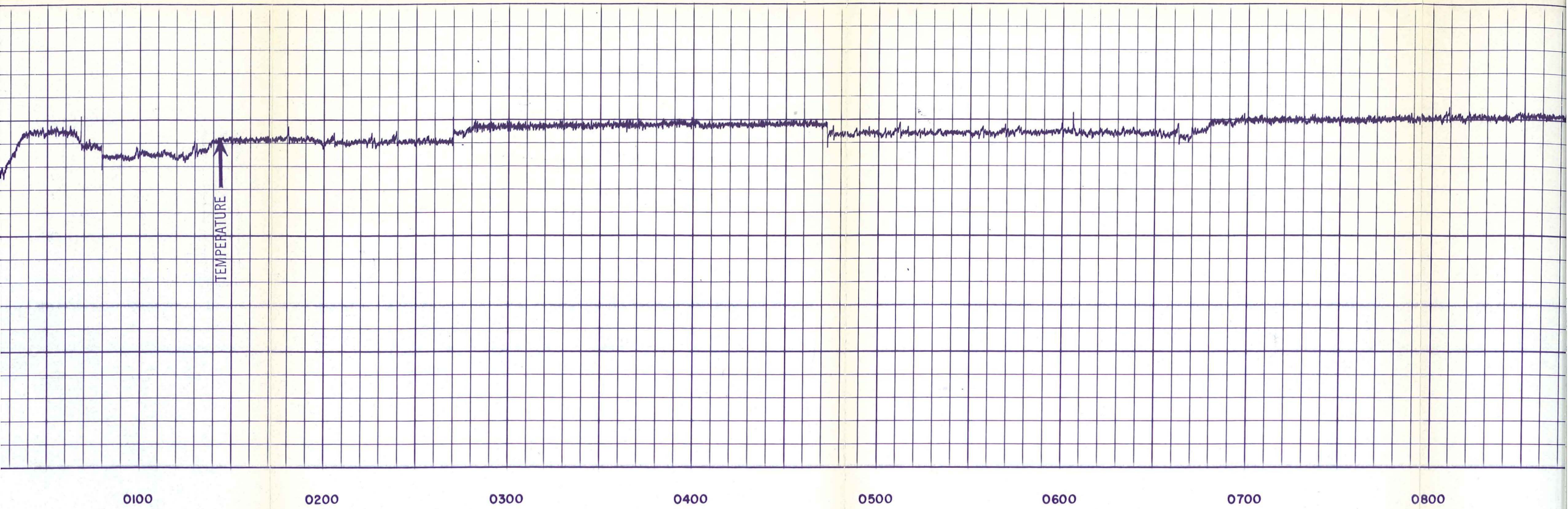
4300

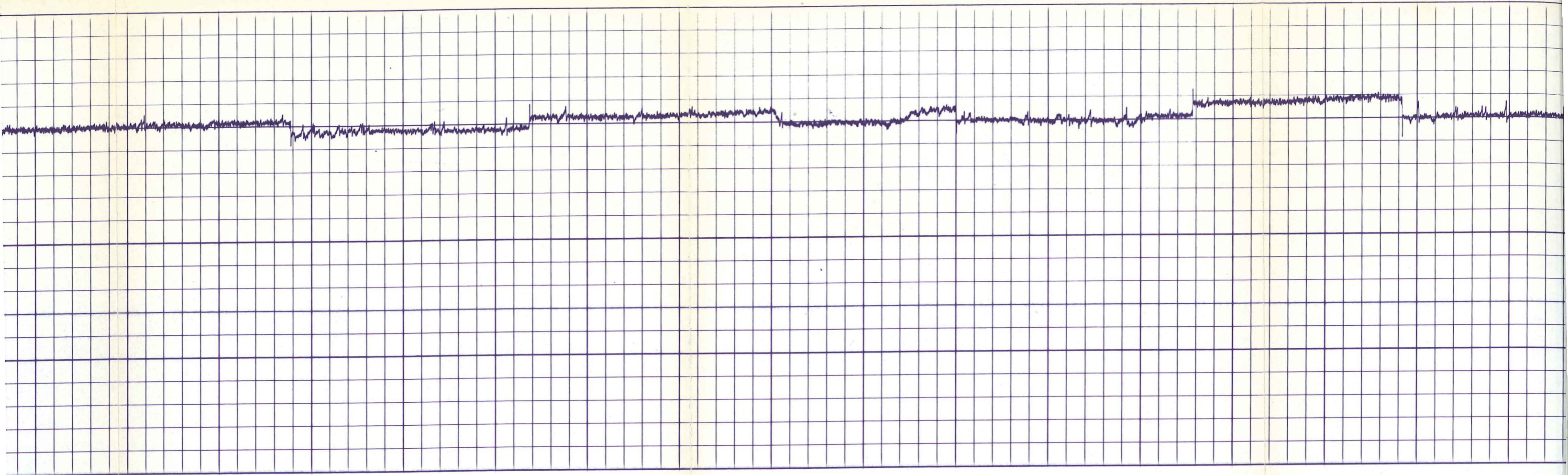
4400

4500









0800

0900

1000

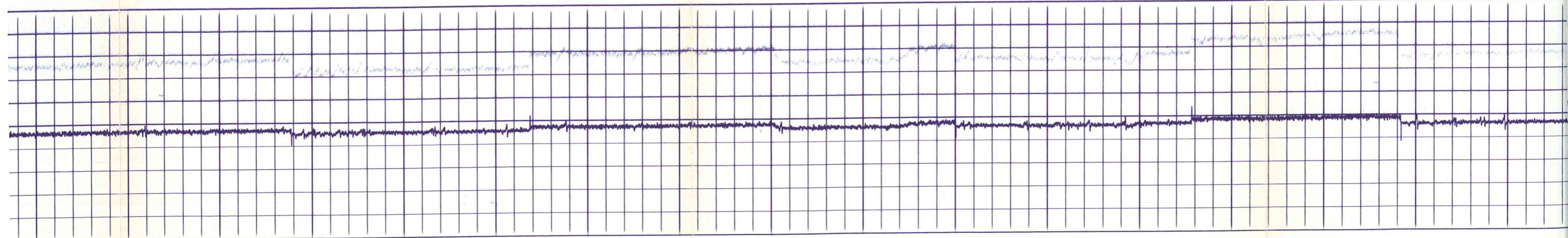
1100

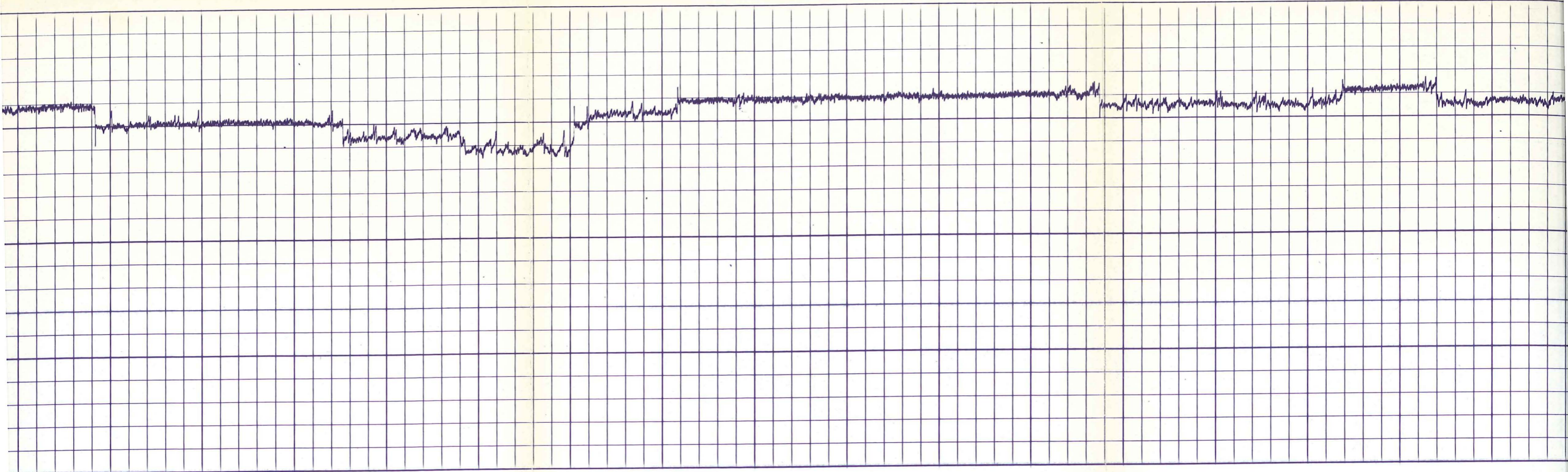
1200

1300

1400

1500





1500

1600

1700

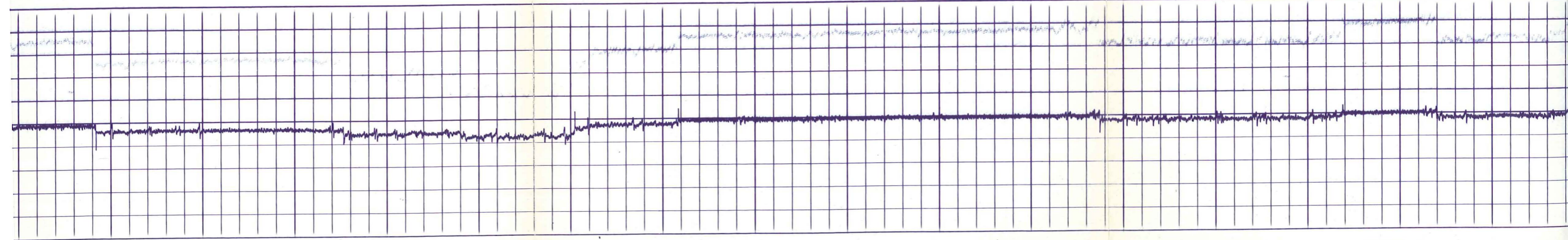
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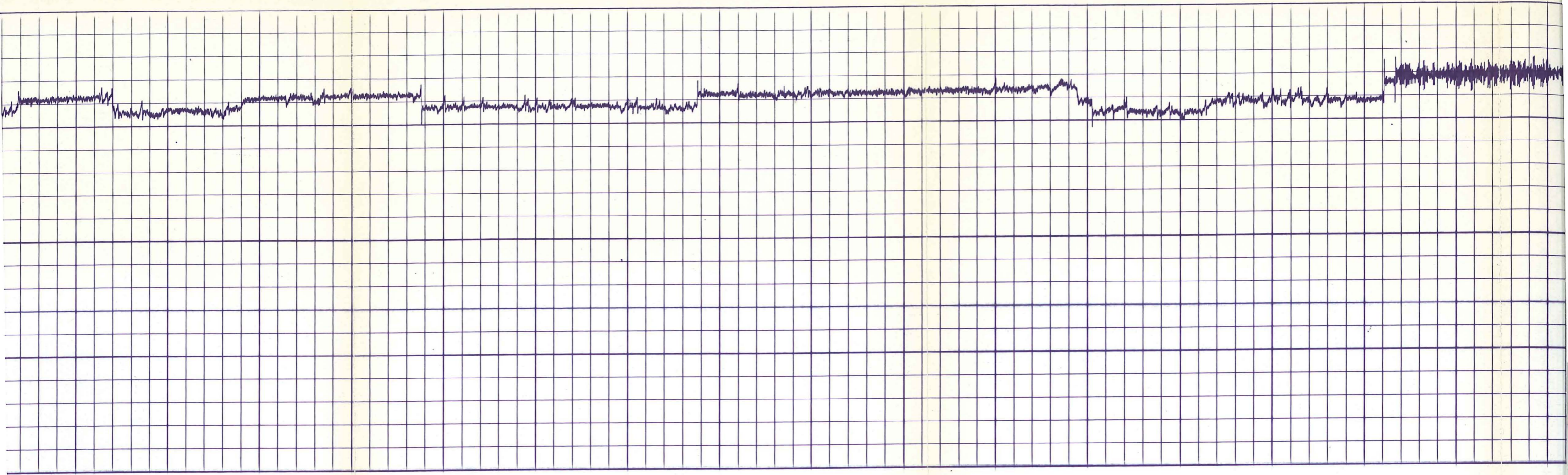
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2000

2100

2200





2200

2300

2400

2500

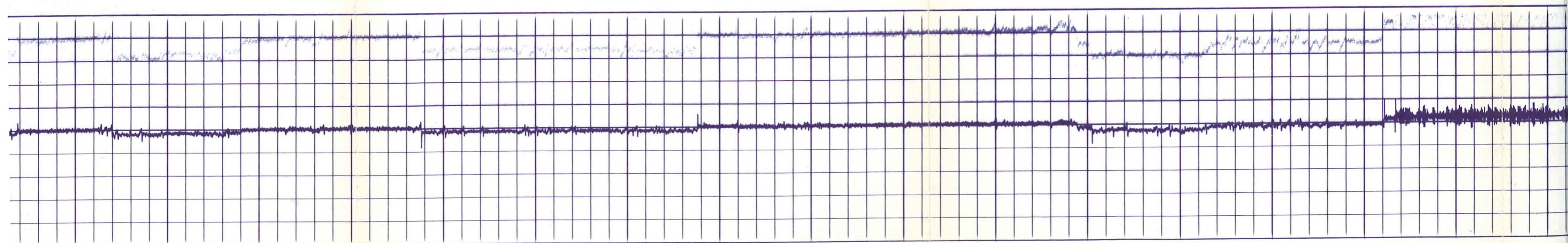
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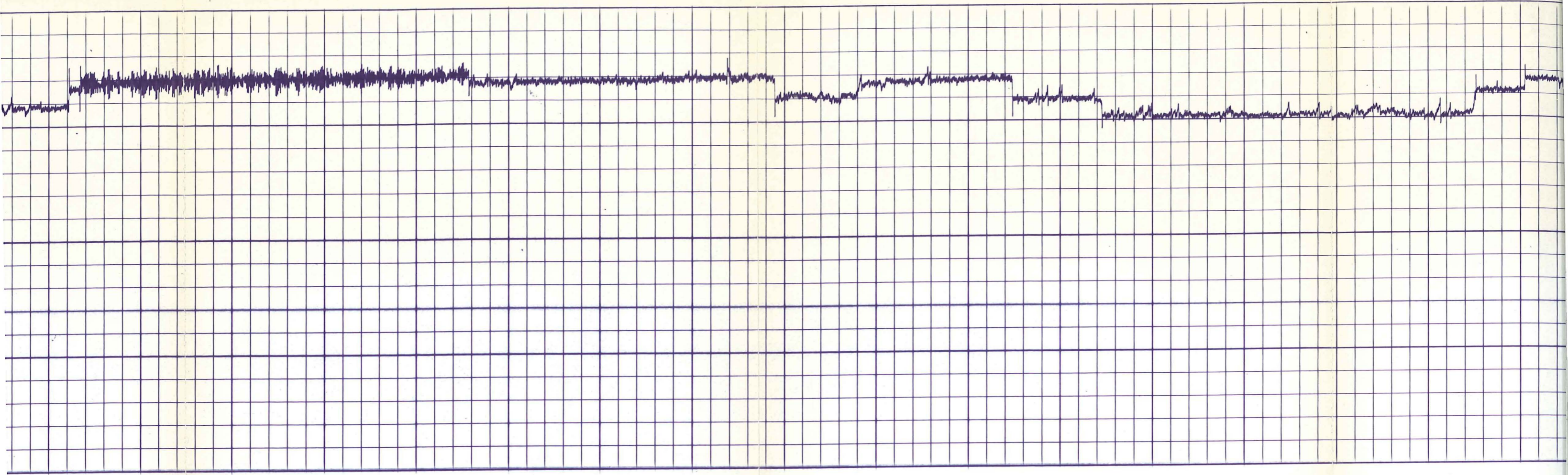
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2800

2900

3000





2900

3000

3100

3200

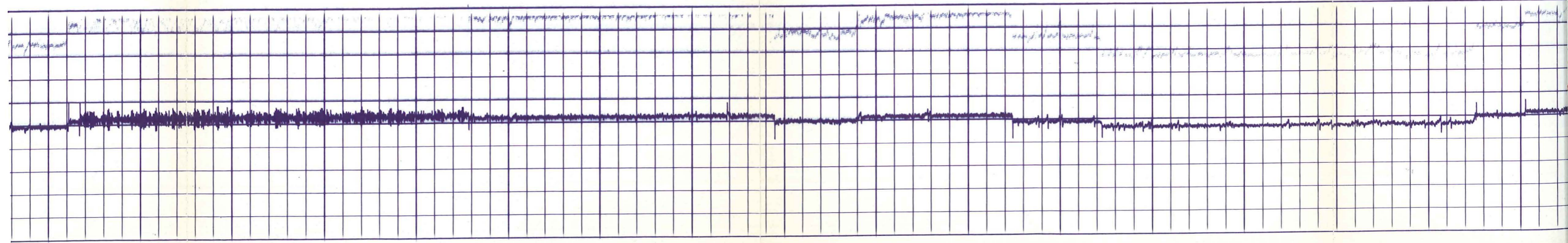
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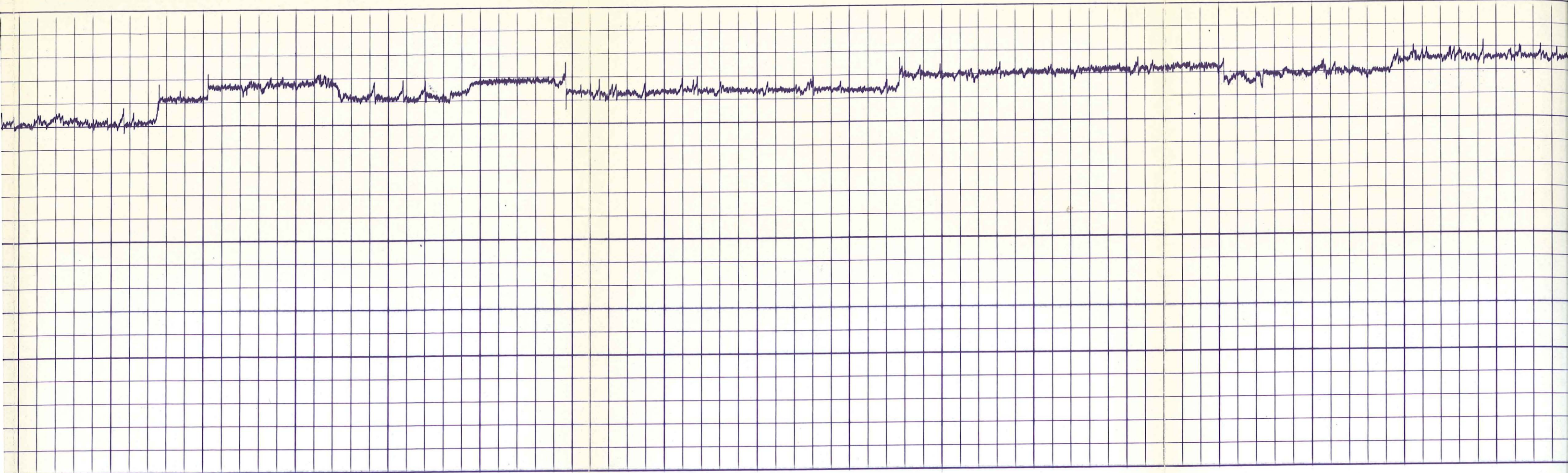
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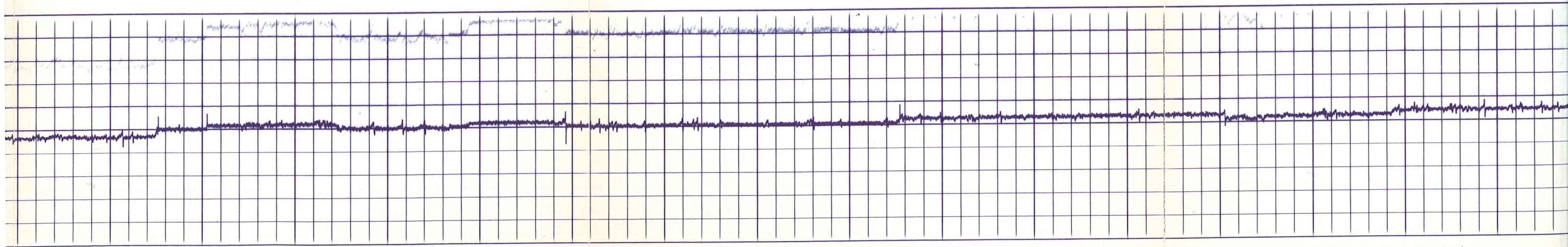
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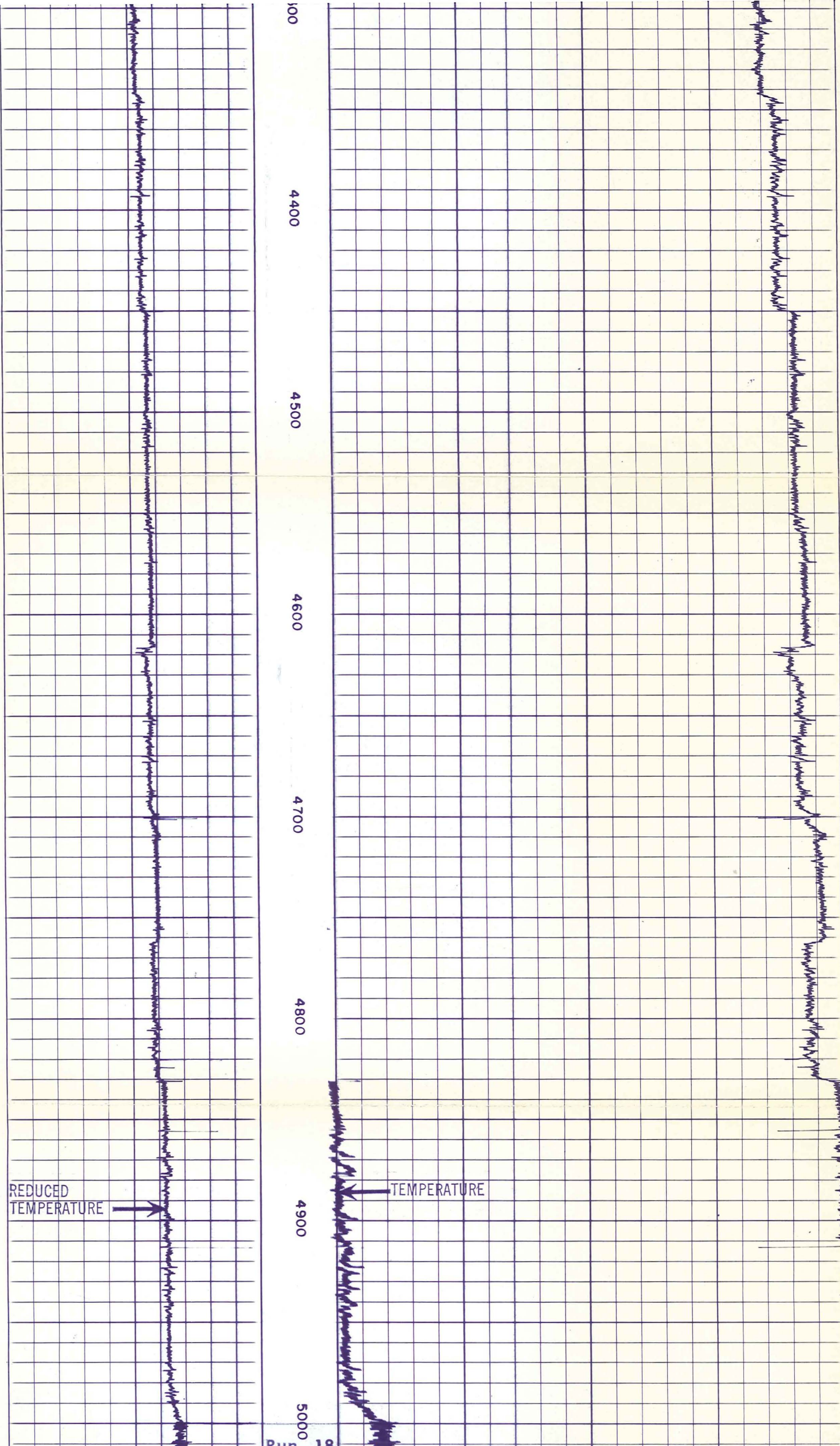
3700





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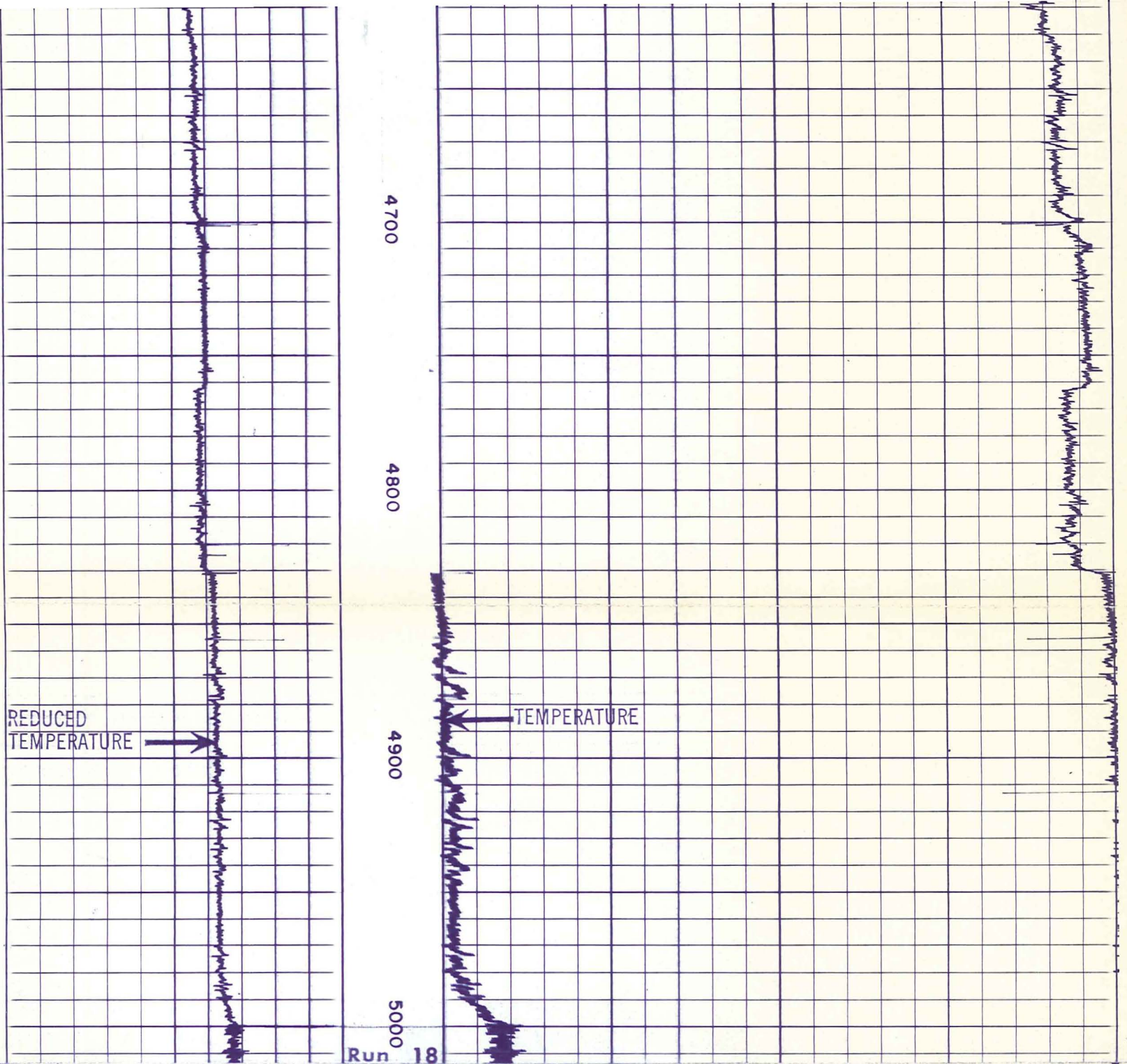




TEMPERATURE ° F.

COMPANY AEROJET NUCLEAR - INEL
 WELL RRGE #1
 FIELD RAFT RIVER GEOTHERMAL


SCHL. F. R. 5000
 SCHL. T. D. 5000
 DRLR. T. D. 5007



	290	315
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TEMPERATURE ° F.

COMPANY	AEROJET NUCLEAR - INEL	SCHL. F. R.	5000
WELL	RRGE #1	SCHL. T. D.	5000
FIELD	RAFT RIVER GEOTHERMAL	DRLR. T. D.	5007
COUNTY	CASSIA	STATE	IDAHO


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