



YOUNGQUIST BROTHERS, Inc
GEOPHYSICAL LOGGING DIVISION

TEMPERATURE SURVEY

Company CH2M HILL
Well IMMOKALEE IW-1
Field IMMOKALEE W.W.T.P.
County COLLIER
State FL

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Well IMMOKALEE IW-1
Field IMMOKALEE W.W.T.P.
County COLLIER
State FL

Location
Permanent Datum
Log Measured From
Drilling Measured From
Elevation
Other Services
RTS
K.B.
D.F.
G.L.

Date	1/22/02
Run Number	MIT
Depth Driller	3350'
Depth Logger	3350'
Bottom Logged Interval	3350'
Top Log Interval	SURFACE
Open Hole Size	12.25"
Type Fluid	WATER
Density / Viscosity	N/A
Max. Recorded Temp	101 DEG F
Estimated Cement Top	N/A
Time Well Ready	ON ARRIVAL
Time Logger on Bottom	1530
Equipment Number	103
Location	FT. MYERS
Recorded By	DENISON
Witnessed By	T. LEVI

Run Number	Borehole Record		Tubing Record	
	Bit	From	Weight	From
ONE	12.25"	SURFACE	12.25"	2915'
TWO	4.2"	SURFACE	20.50"	2000'
THREE	12.25"	CASING		
SEVEN	28.5"	CASING		

Casing Record	Size	Wgt/ft	Bottom	
			Top	To
Surface String	36"	375 W.T.	SURFACE	275'
Prod. String	30"	375 W.T.	SURFACE	930'
Production String	22"	375 W.T.	SURFACE	2000'
Liner	12.75"	500 W.T.	SURFACE	2983'

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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 interpretation, 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 set out in our current Price Schedule.

Comments



TEMPERATURE SURVEY

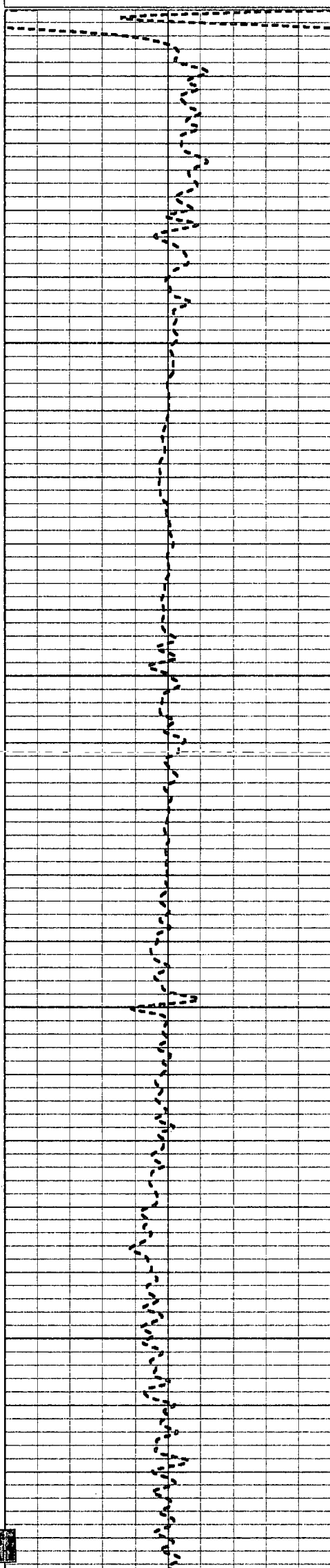
Database File: immok1-1.db
Dataset Pathname: run3/pass1
Presentation Format: temp.prs

0.5 DELTA TEMPERATURE (degF)

50

TEMPERATURE (degF)

150

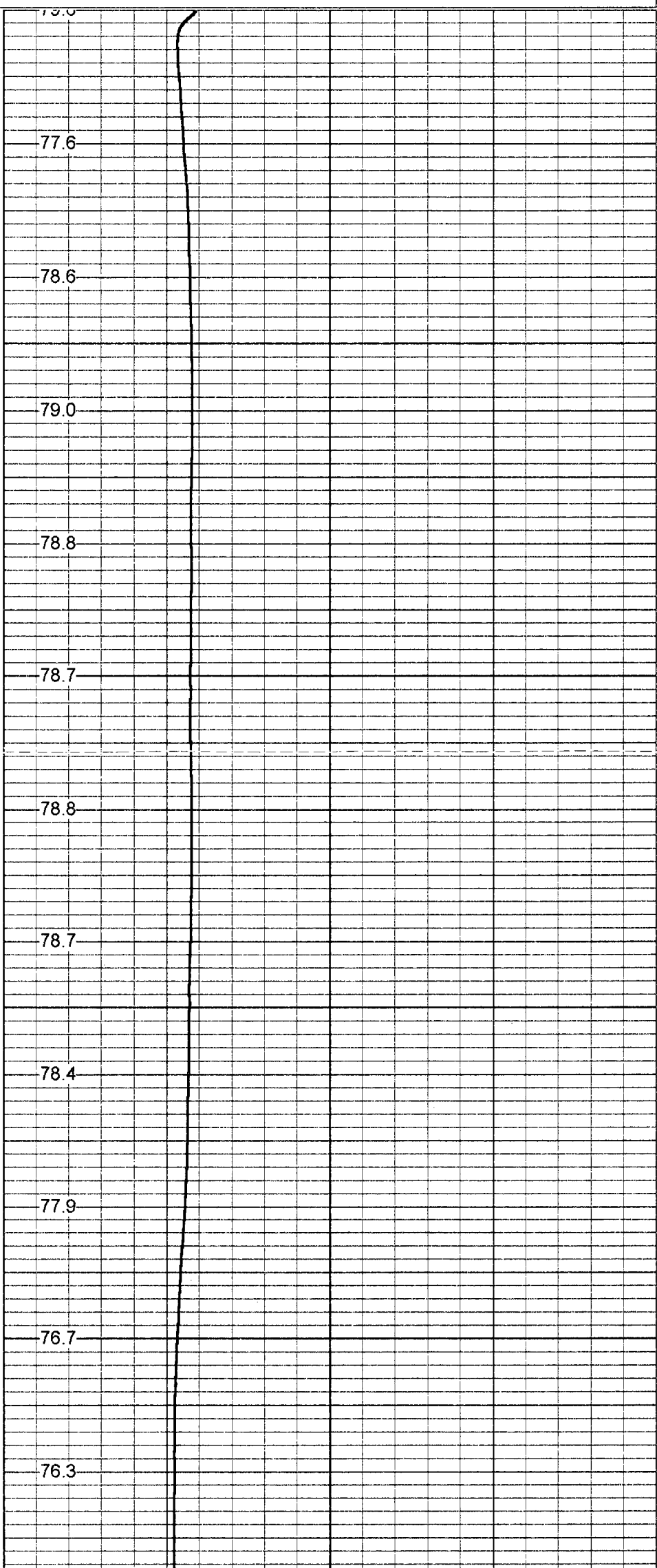


50

100

150

200



77.6

78.6

79.0

78.8

78.7

78.8

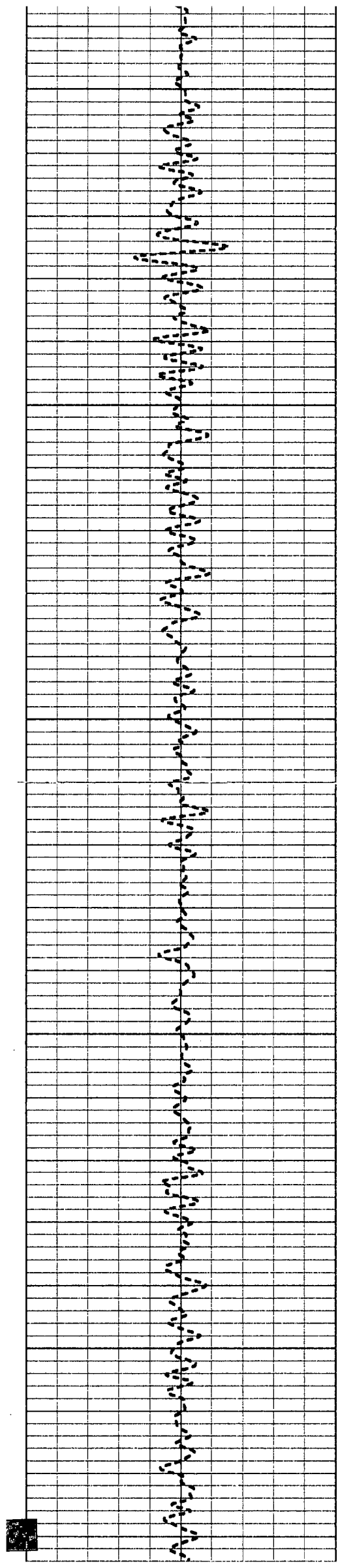
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78.4

77.9

76.7

76.3



250

76.2

76.4

76.4

300

76.4

76.4

76.4

350

76.6

76.8

400

76.9

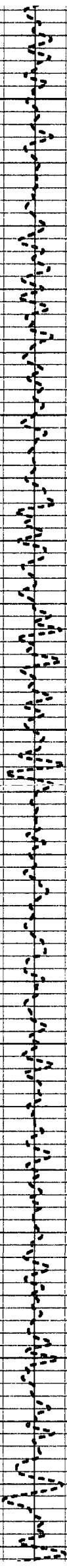
77.1

77.2

450

77.2

77.3



500

77.4

77.4

77.5

550

77.5

77.5

600

77.6

77.8

77.8

650

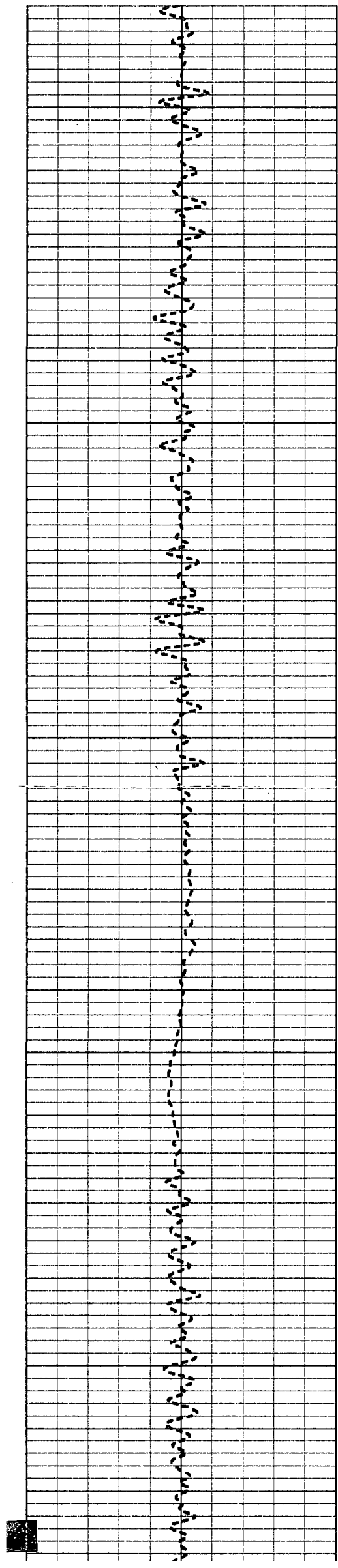
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78.0

700

78.1

78.2



750

800

850

900

950

78.2

78.4

78.5

78.4

78.4

78.5

78.6

79.0

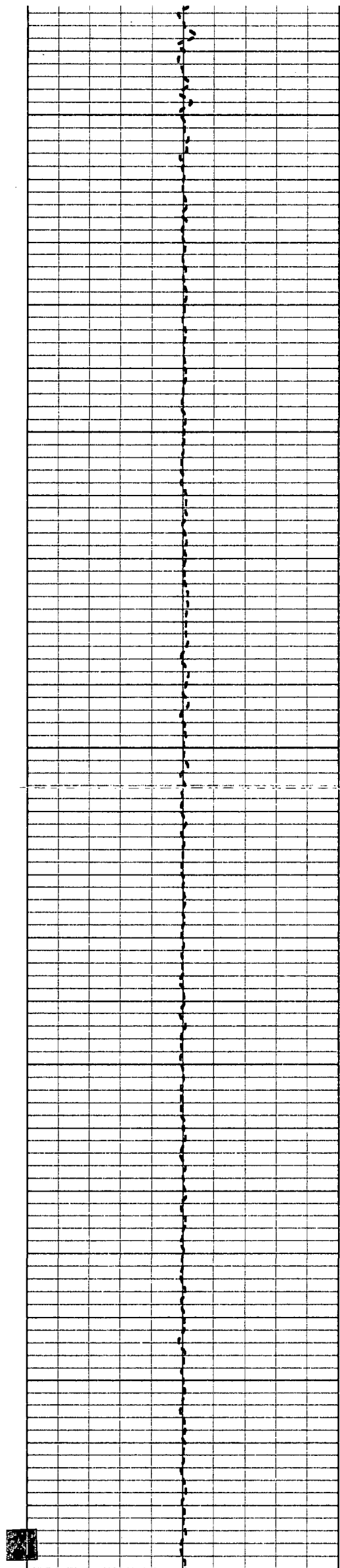
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78.7

78.6

78.6

78.7



1000

78.8

78.9

79.0

1050

79.0

79.2

1100

79.4

79.5

79.5

1150

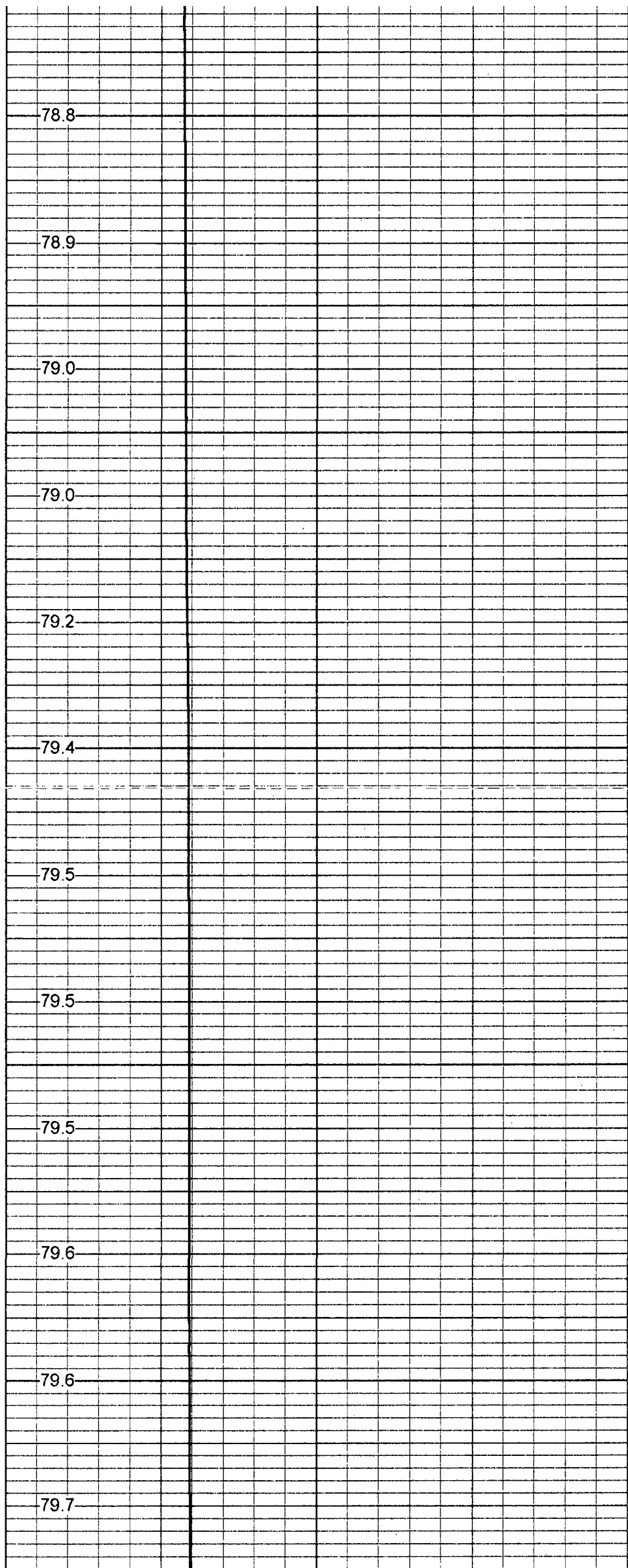
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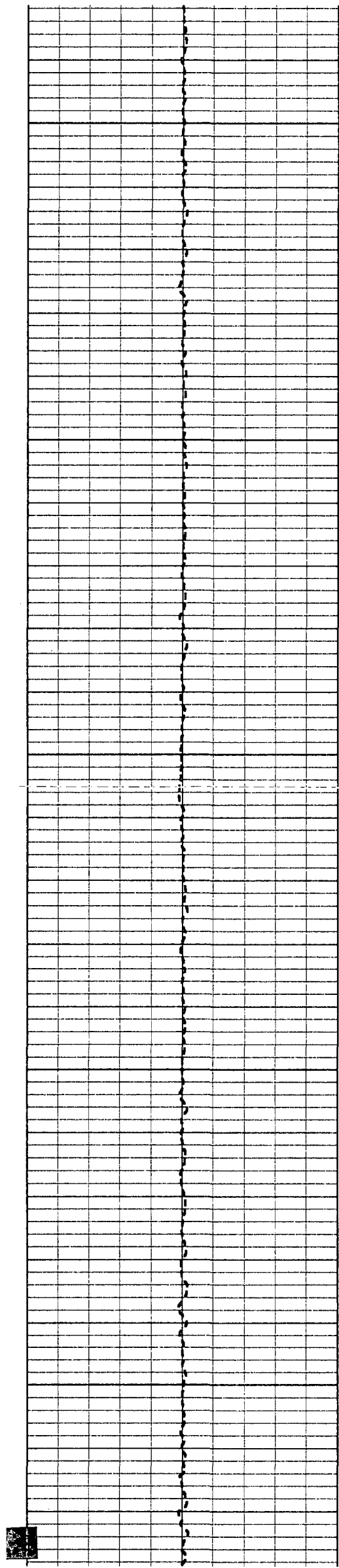
79.6

1200

79.6

79.7





1250

1300

1350

1400

1450

79.8

79.9

79.9

80.0

80.2

80.3

80.2

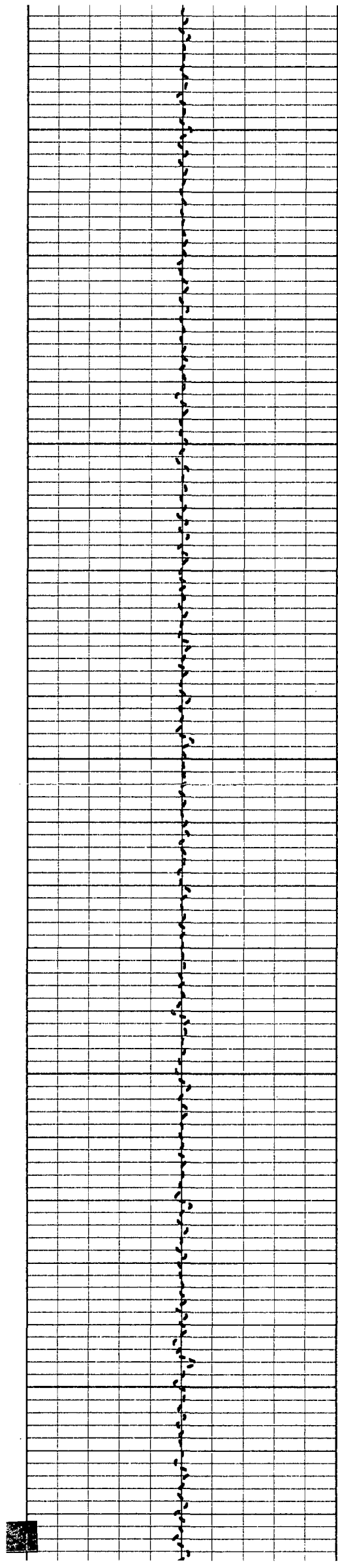
80.3

80.4

80.5

80.6

80.7



1500

80.9

81.0

81.1

1550

81.2

81.2

1600

81.4

81.5

81.5

1650

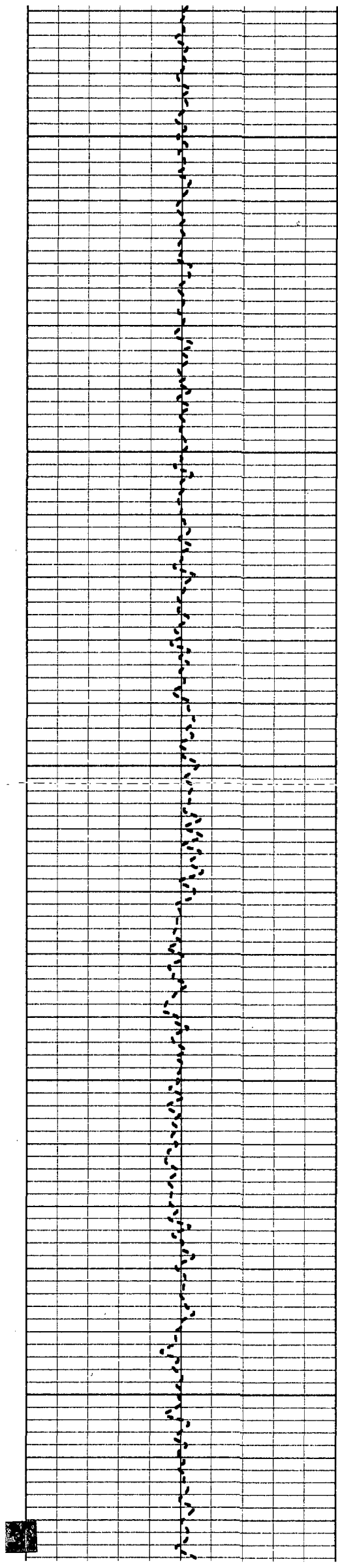
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81.7

1700

81.7

81.8



1750

81.8

81.9

82.0

1800

82.1

82.2

82.2

1850

82.8

83.1

1900

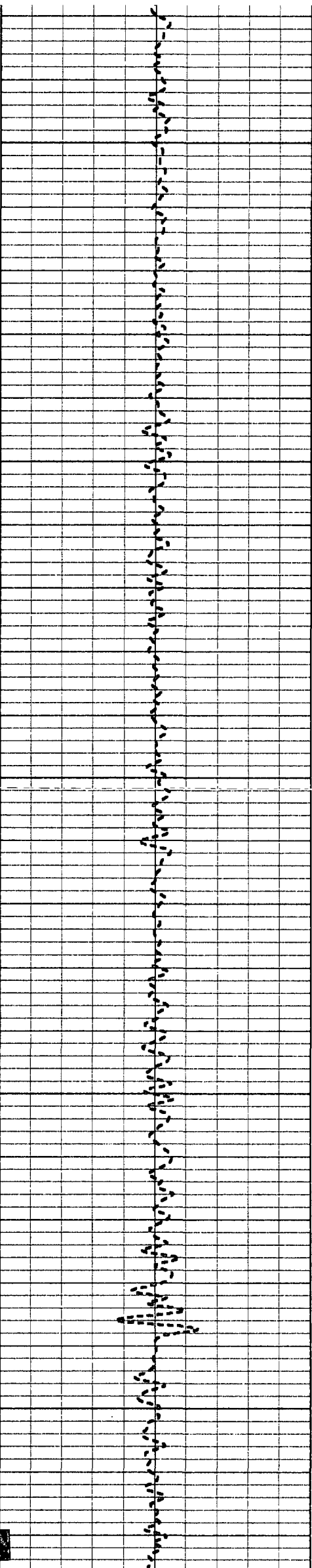
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82.4

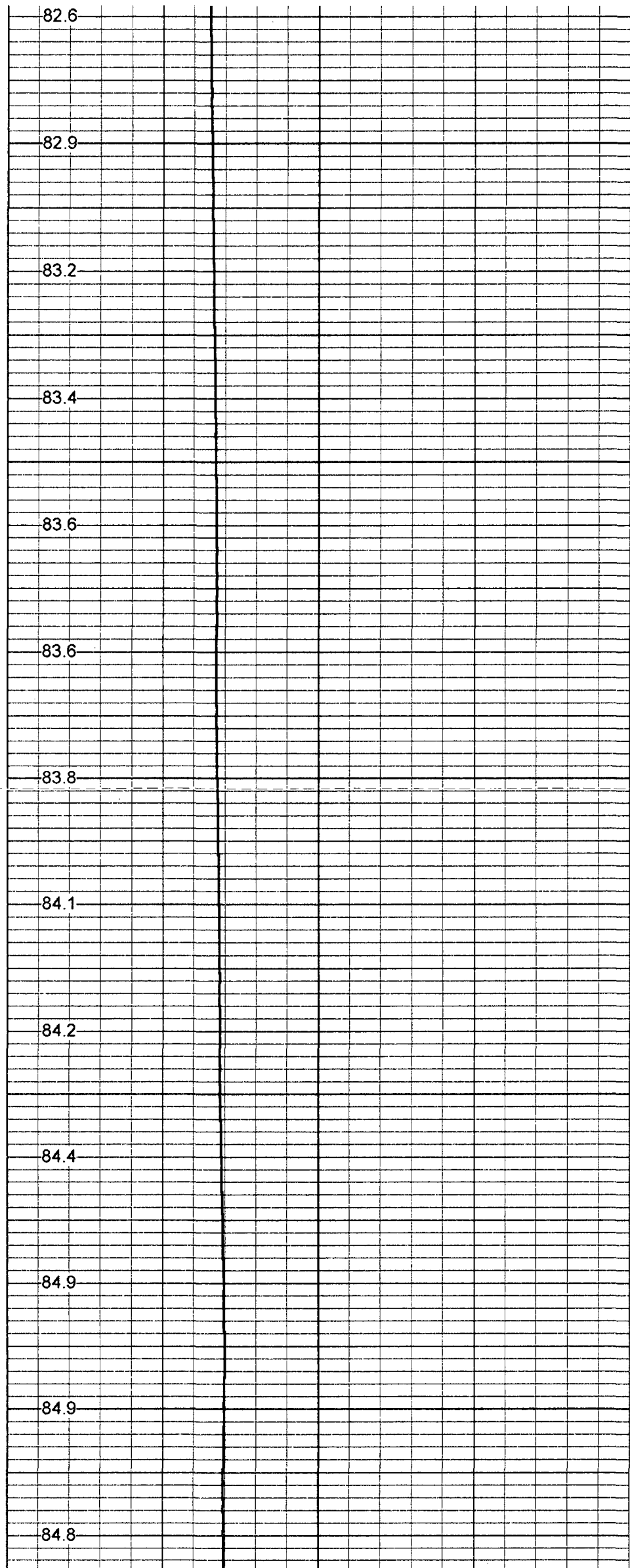
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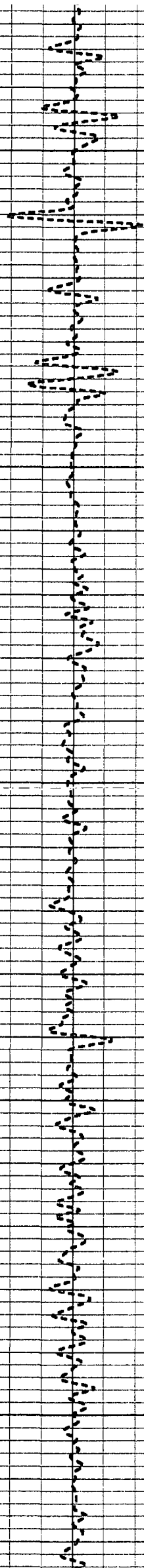
1950

82.3



2000
2050
2100
2150
2200





2250

2300

2350

2400

2450

84.9

84.9

85.1

85.1

85.2

85.7

85.6

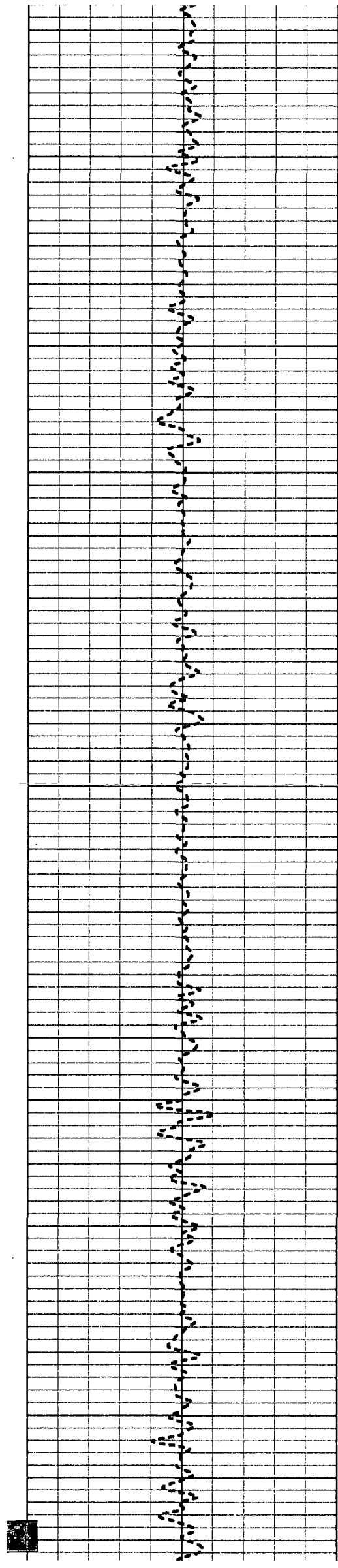
85.4

85.4

85.4

85.4

85.6



2500

2550

2600

2650

2700

85.9

86.3

86.5

86.3

86.1

86.2

86.4

86.5

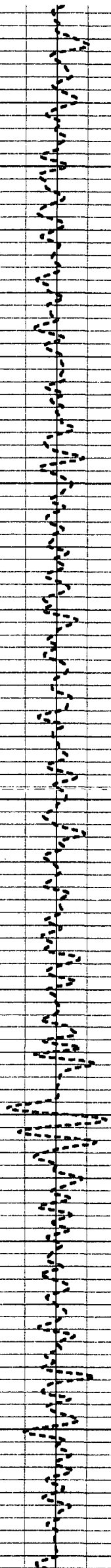
86.7

86.9

87.0

87.0

86.9



2750

2800

2850

2900

2950

87.5

87.3

87.0

87.2

87.2

87.3

87.6

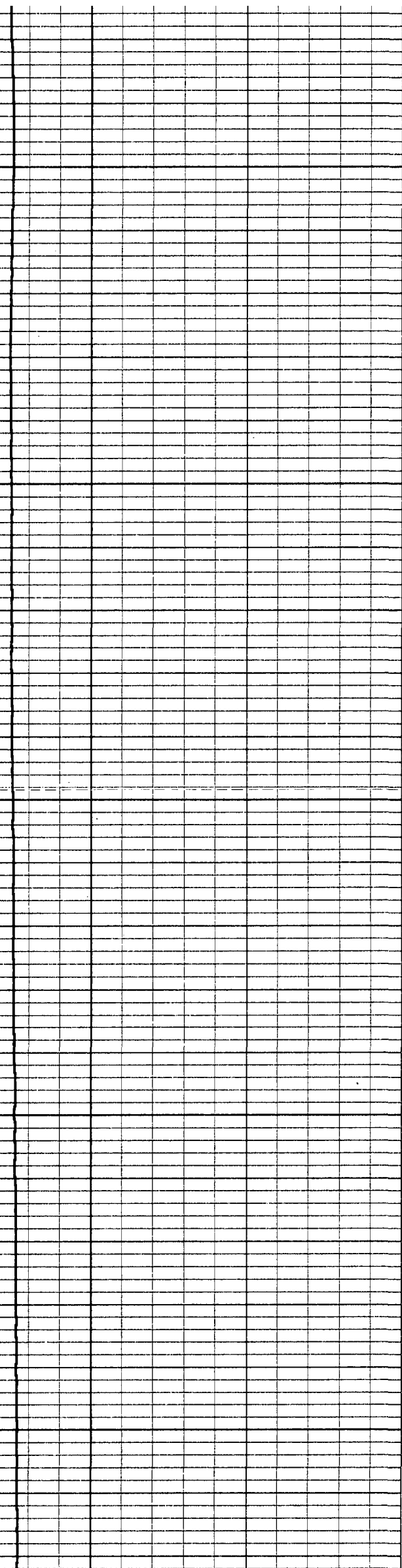
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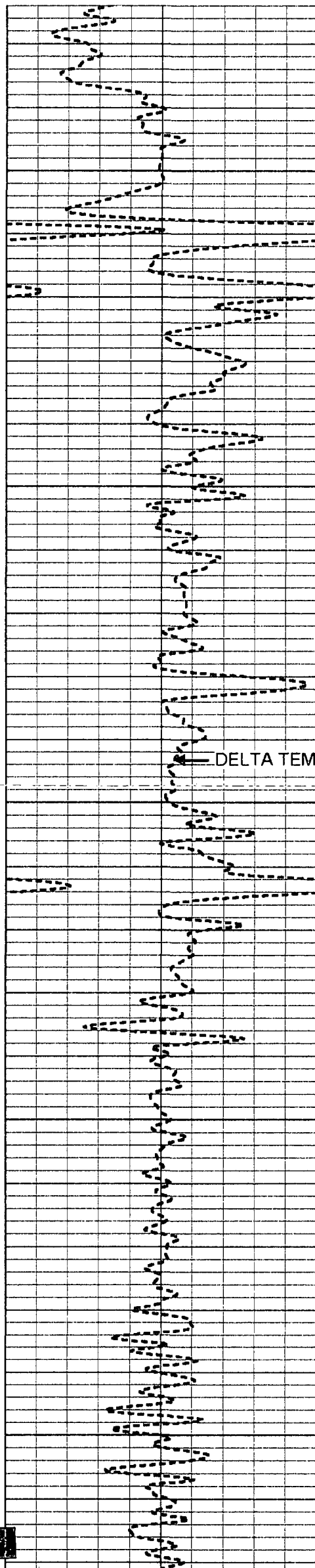
87.7

88.0

88.0

88.2





DELTA TEMPERATURE

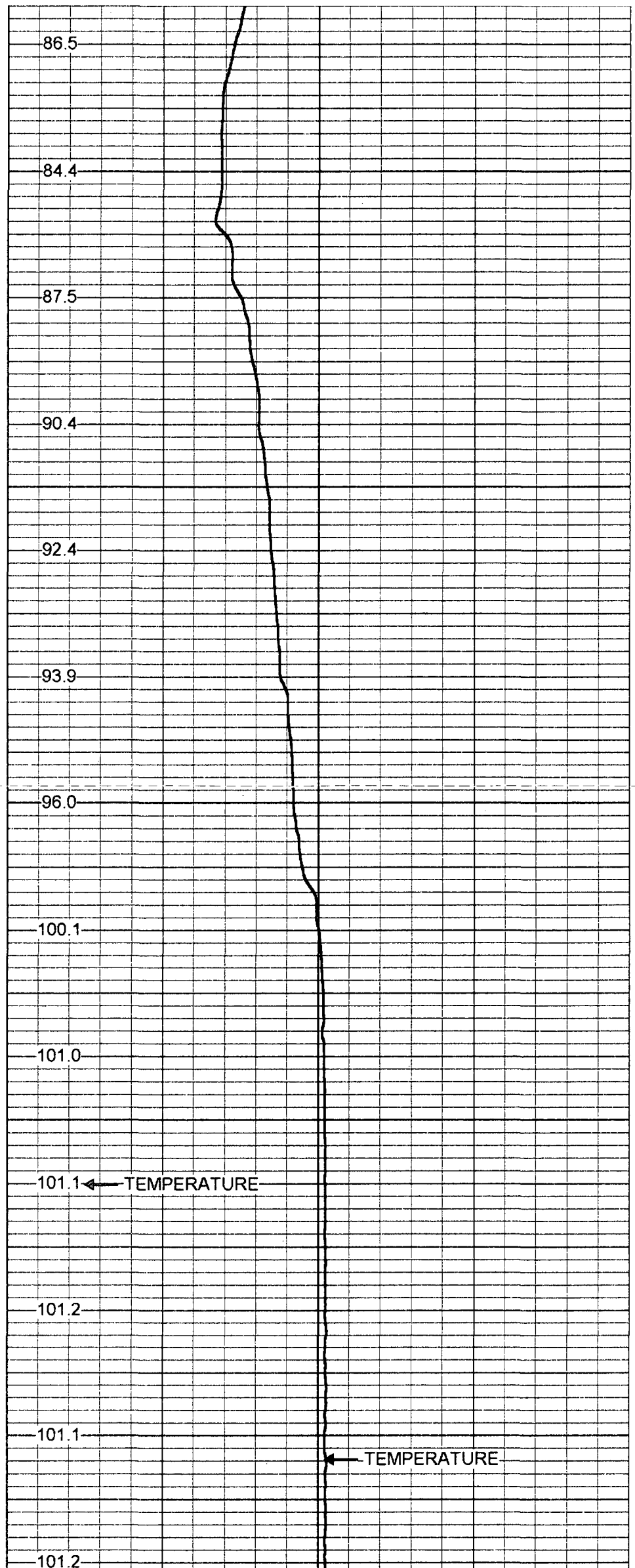
3000

3050

3100

3150

3200



TEMPERATURE

TEMPERATURE

86.5

84.4

87.5

90.4

92.4

93.9

96.0

100.1

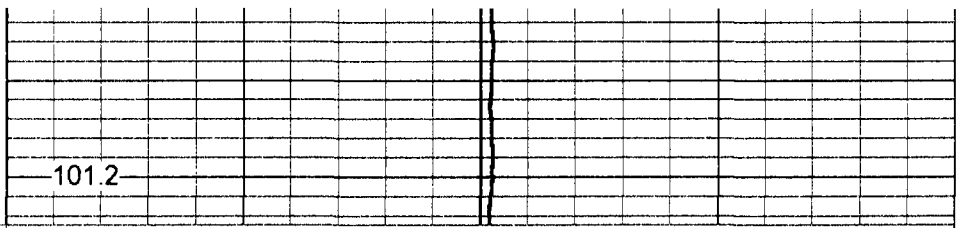
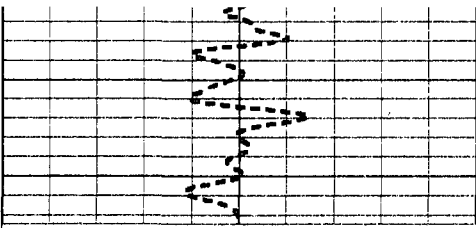
101.0

101.1

101.2

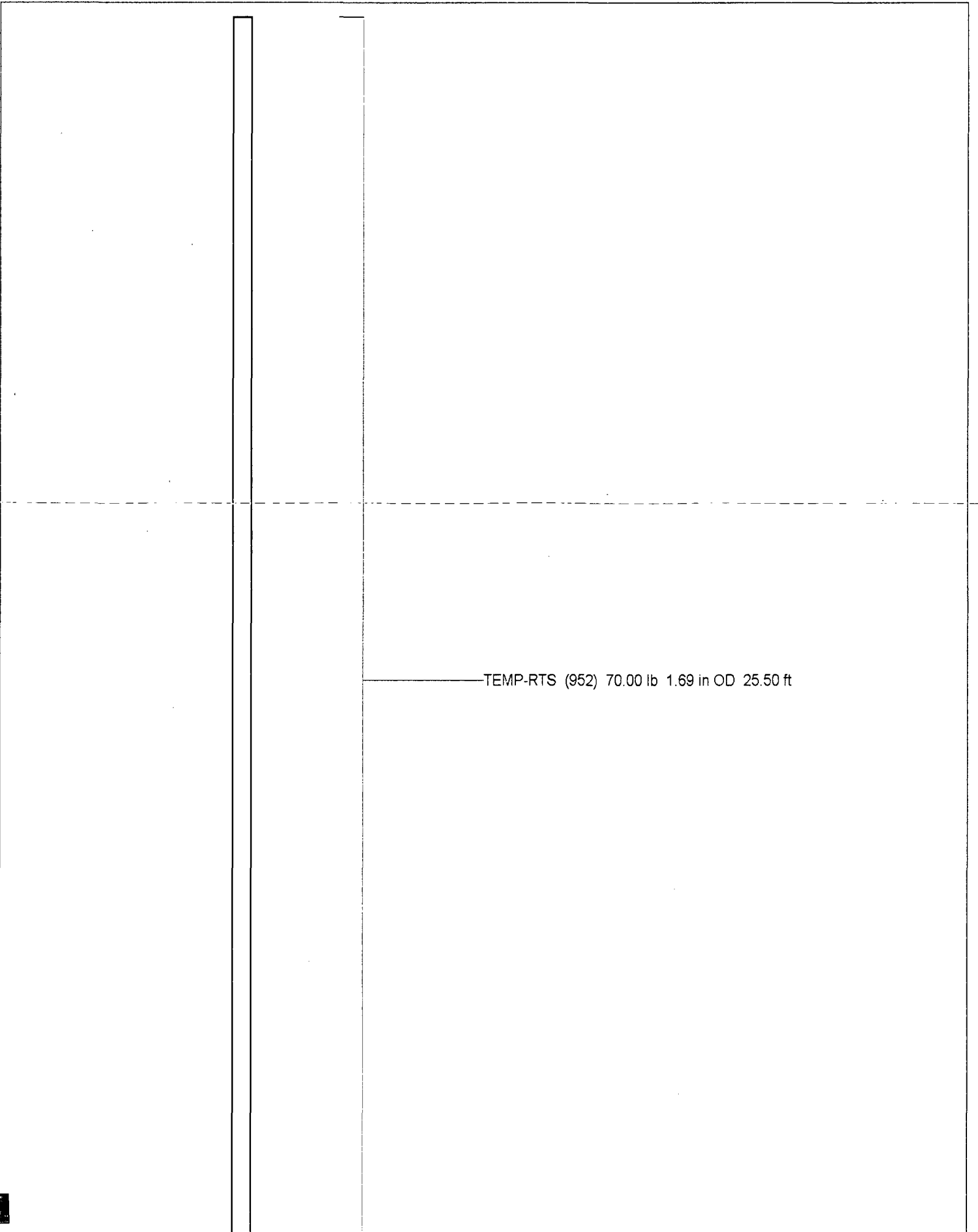
101.1

101.2



-0. DELTA TEMPERATURE (degF)0.5

50 TEMPERATURE (degF) 150



TEMP-RTS (952) 70.00 lb 1.69 in OD 25.50 ft

TEMP 0.10 ft

Dataset: run3/pass1
Total Length: 25.50 ft
Total Weight: 70.00 lb
O.D. 1.69 in

Temperature Calibration Report

Serial Number: 952
Tool Model: RTS
Performed: Mon Jan 21 15:53:43 2002

Point #	Reading		Reference	
1	558.592	cps	35	degF
2	1045.12	cps	78	degF
3	1582.43	cps	128	degF