

111. KC/D 33.9 center

4-21-59

R300A Prod. Prototype
(2ND MODEL FLOWN)

OSC AND MULT. - DRIFT

SEN. TEMP.

3 μ V	AMP	UNIT	DIAL	FREQ	CRYSTA CURRENT MA.
3 μ V	60°	60°	33.9	309.8	.62
3 μ V	40°	40°	33.9	309.8	.61
3 μ V	20°	20°	33.9	309.8	.54
3 μ V	0°	+1°	33.9	309.8	.39
10 μ V	-20°	-18°	34.8		.26
20 MV	-40°				.29

TCO - 30 mV.

~~DET.~~
OSC. ONLY

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TEMP.

AMB.	UNIT	DIAL	FREQ	SEN.
63	69°	67	29.810	3mV
60°	65°	67	29.810	3mV
40°	43°	67	29.810	3mV
20°	22°	67.2	29.812	3mV
0°	+2	67.2	29.812	3mV
-20°	-17°	67.2	29.812	3mV
-40°	-35°	67.2	29.812	3mV
-50°	48°	67.2	29.812	3mV
-65°	—	67.2	29.812	3mV
-65°	-65°	67.2	29.812	3mV

64.5 - 69.5

59 - 75

6 DB

60 DB

50 KC

160 KC

TCO - 27 mV

TCO - 1 mV

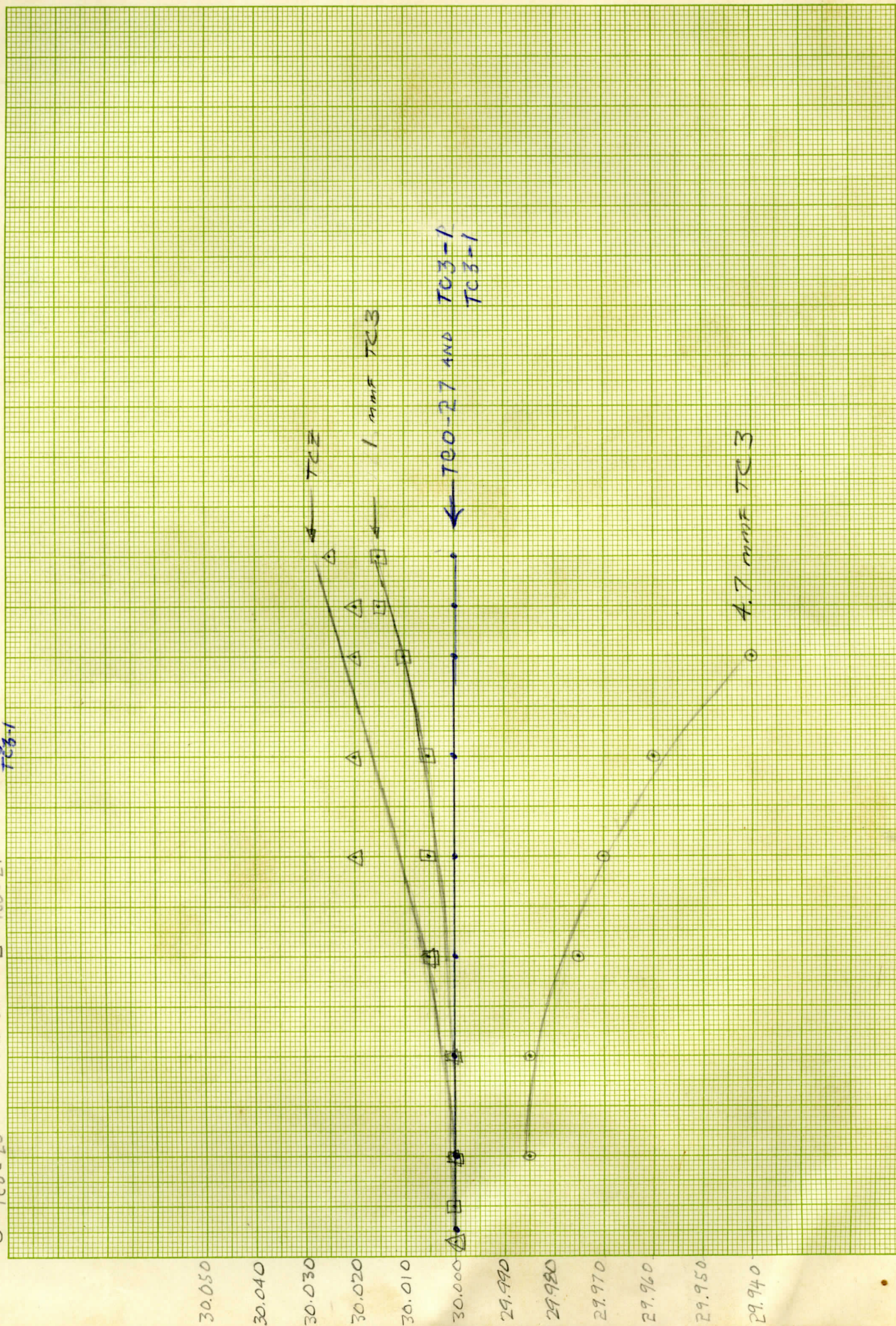
TCB - 1 mV

DET.
OSC. ONLY

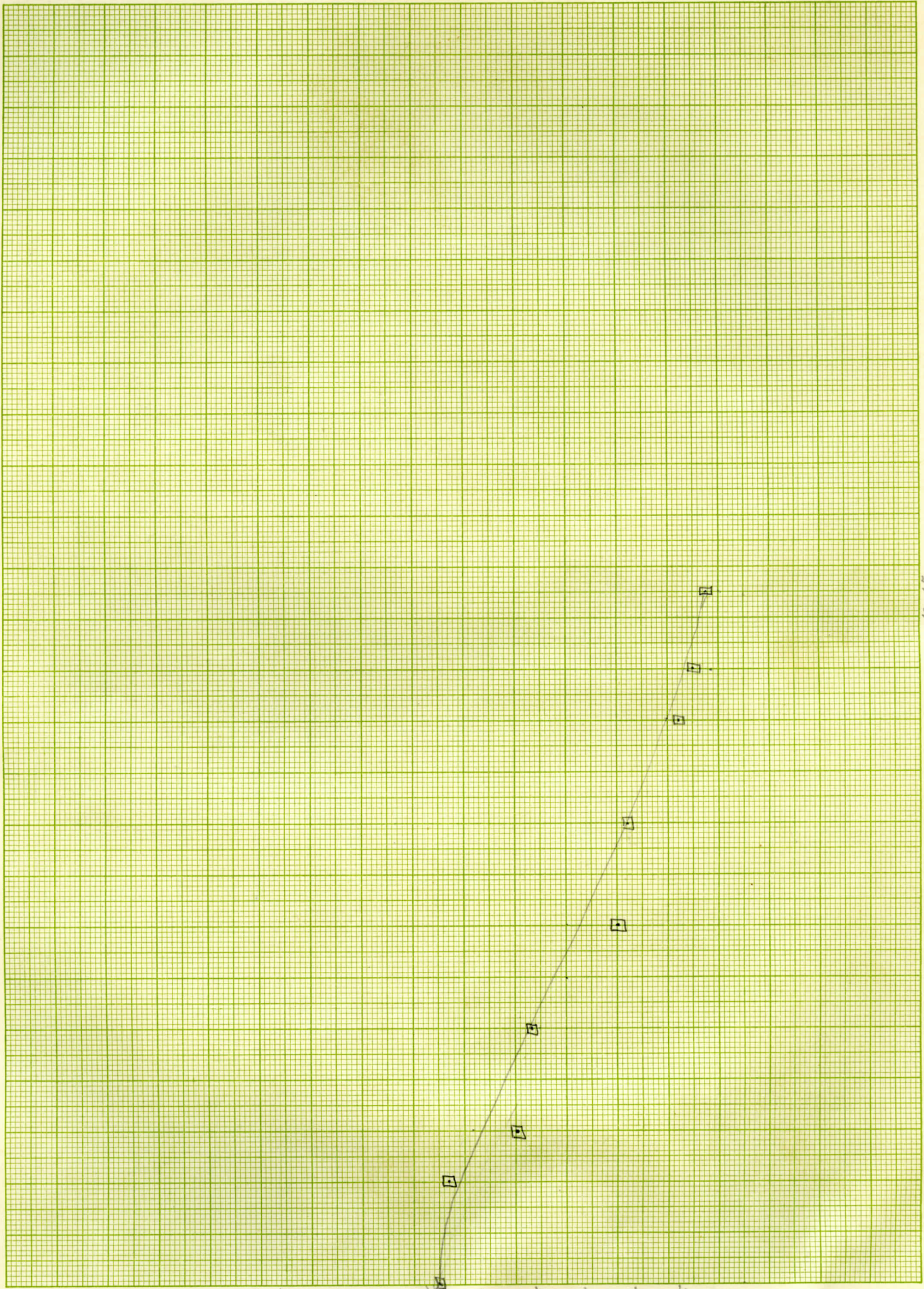
4-21-59

TIME	TEMP	AMB.	UNIT#	DIAL FREQ.	SEN.
		74°	74°	37.5 30.515	3 mV
		60°	60°	37.5 30.515	3 mV
		40°	40°	37 30.510	3 mV
		20°	20°	37 30.510	3 mV
		0°	0°	36.5 30.505	3 mV
		-20°	-18°	35.8 30.498	3 mV
		-40°	-38°	35.2 30.492	3 mV
		-50°	-48°	34.8 30.488	3 mV
		-65°	—	34.5 30.485	3 mV

$\circ = TC3-4.7$
 $\square = TC0-25$
 $\Delta = TC0-30$
 $\square = TC0-.68$
 $\square = TC3-1$
 $\bullet = TC0-27$
 $\bullet = TC3-1$



TC0-27
TC3-1
TC5-1



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

CENTER

85.3

86

9.5

95.0

5.2

30000000
95000
30095000

37.5
14.5
51.5
14K
86
center

86 10 9.5
30.00 95.0K 30.5

10K 30,095,000

4 95.5
90.8
4.7

8 95
47
48

86
86
8
93.7
86
7.7

86
8
10

80K
95.5
94
1.5
10

51.5
14.5
51.5
15K
95.5
91.8
3.7

69.5
59
160

8 95
37
58

35K

95
35
60

10K
7

15K 37.5
4 14
95.5 51.5
93.7 51.5
1.8 10

69.5

50

8 95
18
77
8
20
4

90.5

86
67
19

95
52
43

190 30.000
19
1000
190
28.0

1.2
8.4
3

26.4
3.4
3.3
3.3
3.3

58
3.4
3.4
3.4

30.810

UHF REVR. R300A

COLD TEST

CONDX:

① DET. ONLY FED FROM HP608 C OUTPUT OF DET.
TO TEST AMPL. & BALLANTINE VTVM

TIME	TEMP.		DIAL	FREQ.		SEN.
	AMB.	UNIT		ACTUAL		
2:15	80°	80°	95.5	30.095	3 mV	
2:24	60°	60°	95.3	30.092	3 mV	
2:27	40°	40°	94	30.075 30.080	3 mV	
2:30	20°	19°	93.7	30.077	3 mV	
2:34	0	+1°	92.	30.060	3 mV	
2:37	-20°	-18°	91.8	30.058	3 mV	
2:45	-40°	-38°	90.8	30.048	3 mV	
2:51	-50°	-47°	90.5	30.045	3 mV	
3:06	-65	—	90.3	30.043	2.75 mV	