

TELEMETRY
CALIBRATION
DATA FOR
PIONEER "F"

PREPARED FOR
NASA AMES RESEARCH CENTER
MOFFETT FIELD, CALIFORNIA
UNDER
CONTRACT
NAS2-5727

PREPARED BY
BENDIX FIELD
ENGINEERING CORPORATION

FEBRUARY 1972

DTU A/D VCLTS VS DN

DDTULV C-101

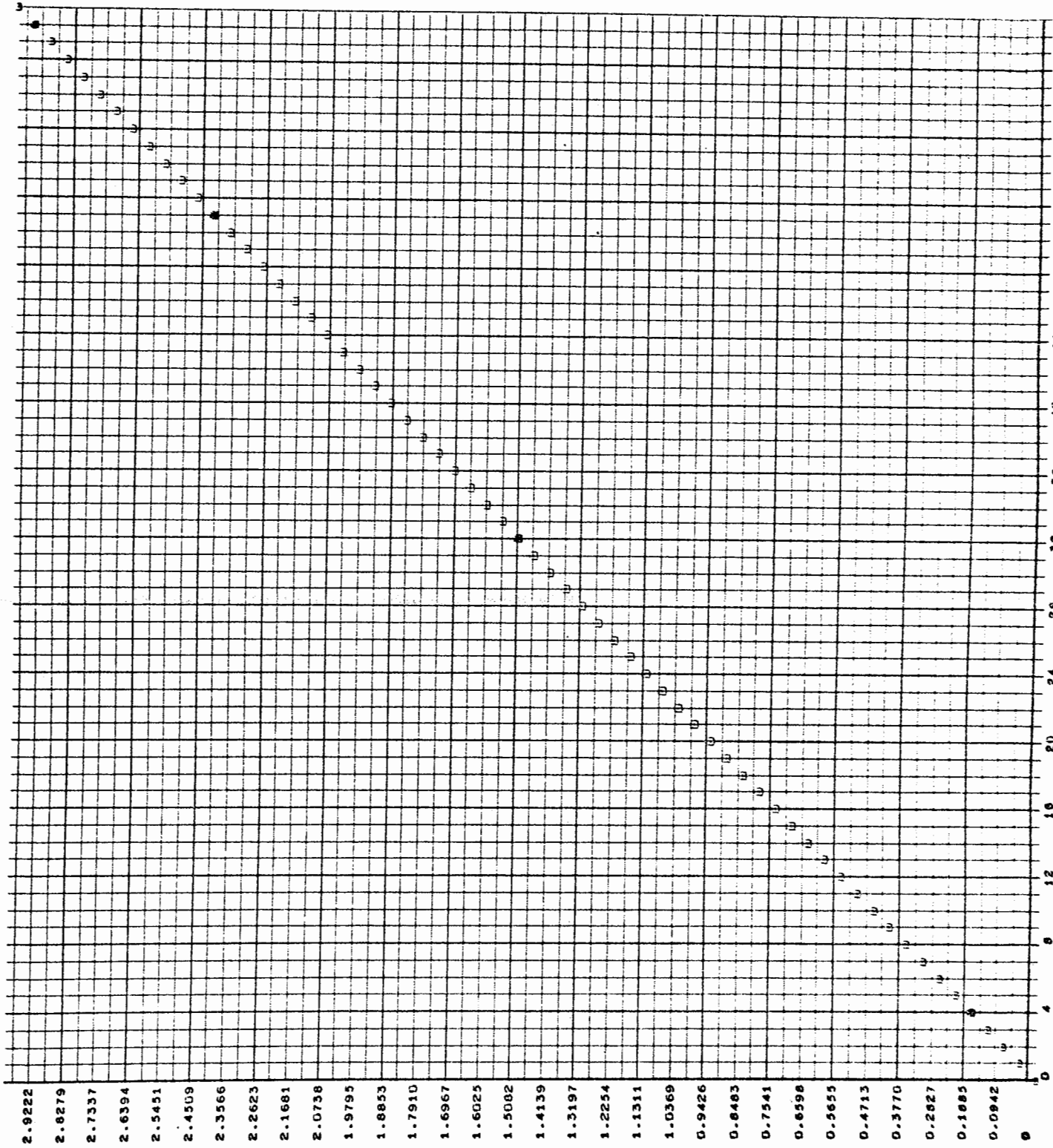
02/11/72

DEC	ENGINEERING UNITS	OCT	DEC	ENGINEERING UNITS	OCT	DN
DN		DN	DN		DN	DN
0	-0.02258	0	32	1.50500	40	
1	0.02477	1	33	1.55302	41	
2	0.07215	2	34	1.60104	42	
3	0.11956	3	35	1.64908	43	
4	0.16700	4	36	1.69712	44	
5	0.21447	5	37	1.74516	45	
6	0.26198	6	38	1.79321	46	
7	0.30951	7	39	1.84127	47	
8	0.35707	10	40	1.88933	50	
9	0.40466	11	41	1.93739	51	
10	0.45227	12	42	1.98545	52	
11	0.49991	13	43	2.03352	53	
12	0.54758	14	44	2.08159	54	
13	0.59527	15	45	2.12965	55	
14	0.64298	16	46	2.17772	56	
15	0.69072	17	47	2.22578	57	
16	0.73848	20	48	2.27384	60	
17	0.78626	21	49	2.32190	61	
18	0.83406	22	50	2.36995	62	
19	0.88188	23	51	2.41800	63	
20	0.92972	24	52	2.46604	64	
21	0.97758	25	53	2.51408	65	
22	1.02545	26	54	2.56211	66	
23	1.07334	27	55	2.61013	67	
24	1.12125	30	56	2.65814	70	
25	1.16918	31	57	2.70615	71	
26	1.21711	32	58	2.75414	72	
27	1.26506	33	59	2.80213	73	
28	1.31303	34	60	2.85010	74	
29	1.36101	35	61	2.89805	75	
30	1.40899	36	62	2.94600	76	
31	1.45699	37	63	2.99393	77	
A0	-0.22579283E-01	A1	0.47329554E-01	A2	0.16829307E-04	
A3	-0.1281634CE-06	A4	0.00000000E-38	A5	0.00000000E-38	

DIU A/D VOLTS VS DN

00TULY C-101

02/11/72



DTU A/D VCLTS VS DN

DDTUMV C-102

02/11/72

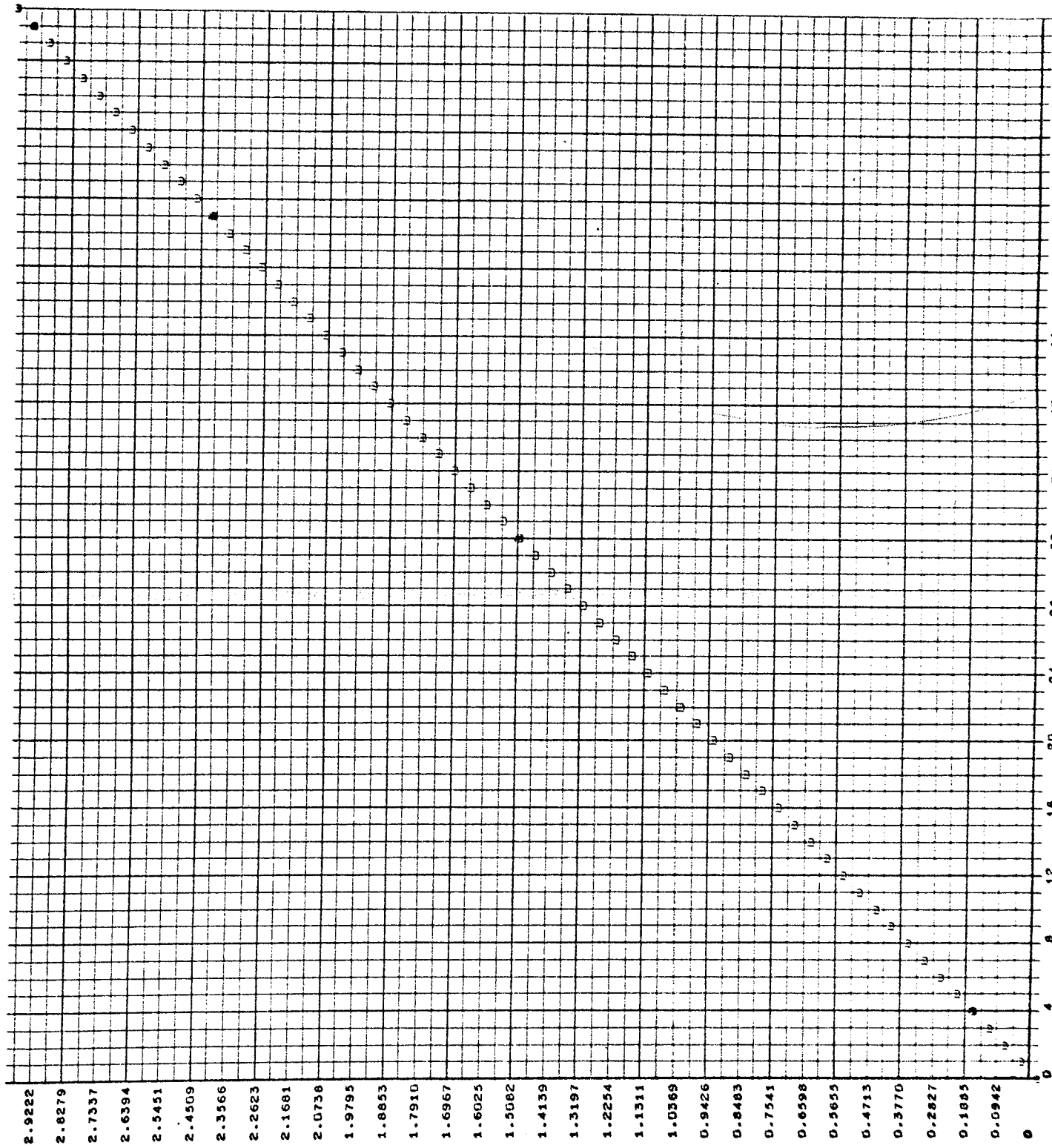
DEC DN	ENGINEERING UNITS DN	OCT DN	DEC DN	ENGINEERING UNITS DN	OCT DN
0	-0.02258	0	32	1.50500	40
1	0.02477	1	33	1.55302	41
2	0.07215	2	34	1.60104	42
3	0.11956	3	35	1.64908	43
4	0.16700	4	36	1.69712	44
5	0.21447	5	37	1.74516	45
6	0.26198	6	38	1.79321	46
7	0.30951	7	39	1.84127	47
8	0.35707	10	40	1.88933	50
9	0.40466	11	41	1.93739	51
10	0.45227	12	42	1.98545	52
11	0.49991	13	43	2.03352	53
12	0.54758	14	44	2.08159	54
13	0.59527	15	45	2.12965	55
14	0.64298	16	46	2.17772	56
15	0.69072	17	47	2.22578	57
16	0.73848	20	48	2.27384	60
17	0.78626	21	49	2.32190	61
18	0.83406	22	50	2.36995	62
19	0.88188	23	51	2.41800	63
20	0.92972	24	52	2.46604	64
21	0.97758	25	53	2.51408	65
22	1.02545	26	54	2.56211	66
23	1.07334	27	55	2.61013	67
24	1.12125	30	56	2.65814	70
25	1.16918	31	57	2.70615	71
26	1.21711	32	58	2.75414	72
27	1.26506	33	59	2.80213	73
28	1.31303	34	60	2.85010	74
29	1.36101	35	61	2.89805	75
30	1.40899	36	62	2.94600	76
31	1.45699	37	63	2.99393	77

A0 -0.22579283E-01 A1 0.47329554E-01 A2 0.16829307E-04
A3 -0.1281634CE-06 A4 0.00000000E-38 A5 0.00000000E-38

DTU A/D VOLTS VS DN

DDTUMV C-102

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DTU A/D VCLTS VS DN

DDTUHV C-103

02/11/72

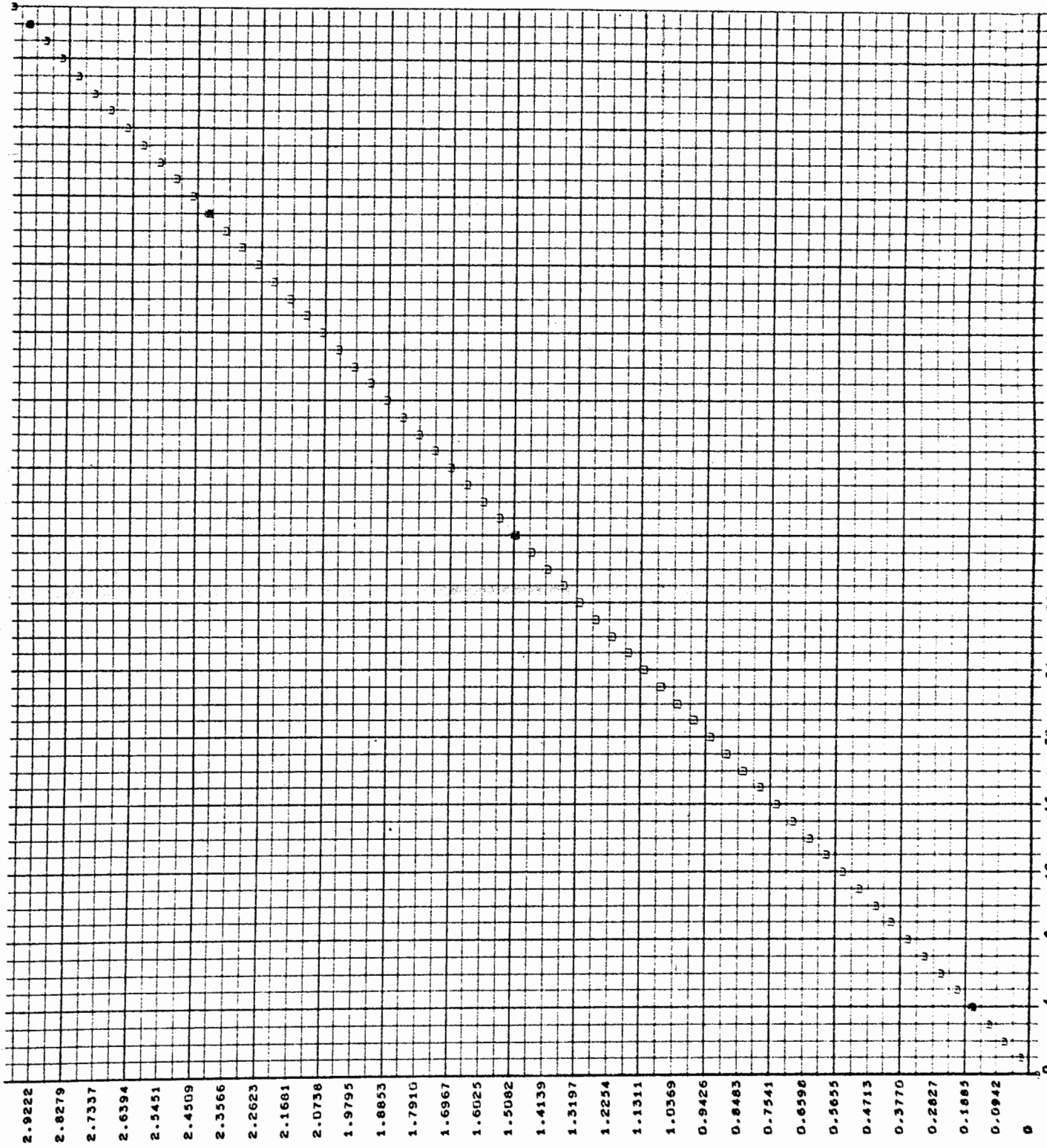
DEC DN	ENGINEERING UNITS	OCT DN	DEC DN	ENGINEERING UNITS	OCT DN
0	-0.02258	0	32	1.50500	40
1	0.02477	1	33	1.55302	41
2	0.07215	2	34	1.60104	42
3	0.11956	3	35	1.64908	43
4	0.16700	4	36	1.69712	44
5	0.21447	5	37	1.74516	45
6	0.26198	6	38	1.79321	46
7	0.30951	7	39	1.84127	47
8	0.35707	10	40	1.88933	50
9	0.40466	11	41	1.93739	51
10	0.45227	12	42	1.98545	52
11	0.49991	13	43	2.03352	53
12	0.54758	14	44	2.08159	54
13	0.59527	15	45	2.12965	55
14	0.64298	16	46	2.17772	56
15	0.69072	17	47	2.22578	57
16	0.73848	20	48	2.27384	60
17	0.78626	21	49	2.32190	61
18	0.83406	22	50	2.36995	62
19	0.88188	23	51	2.41800	63
20	0.92972	24	52	2.46604	64
21	0.97758	25	53	2.51408	65
22	1.02545	26	54	2.56211	66
23	1.07334	27	55	2.61013	67
24	1.12125	30	56	2.65814	70
25	1.16918	31	57	2.70615	71
26	1.21711	32	58	2.75414	72
27	1.26506	33	59	2.80213	73
28	1.31303	34	60	2.85010	74
29	1.36101	35	61	2.89805	75
30	1.40899	36	62	2.94600	76
31	1.45699	37	63	2.99393	77

A0 -0.22579283E-01 A1 0.47329554E-01 A2 0.16829307E-04
A3 -0.1281634CE-06 A4 0.0000000E-38 A5 0.0000000E-38

DTU A/D VOLTS VS DN

DDTUHV C-103

02/11/72



RTG 2 CURRENT AMPS VS DN

PRTG21 C-105

02/11/72

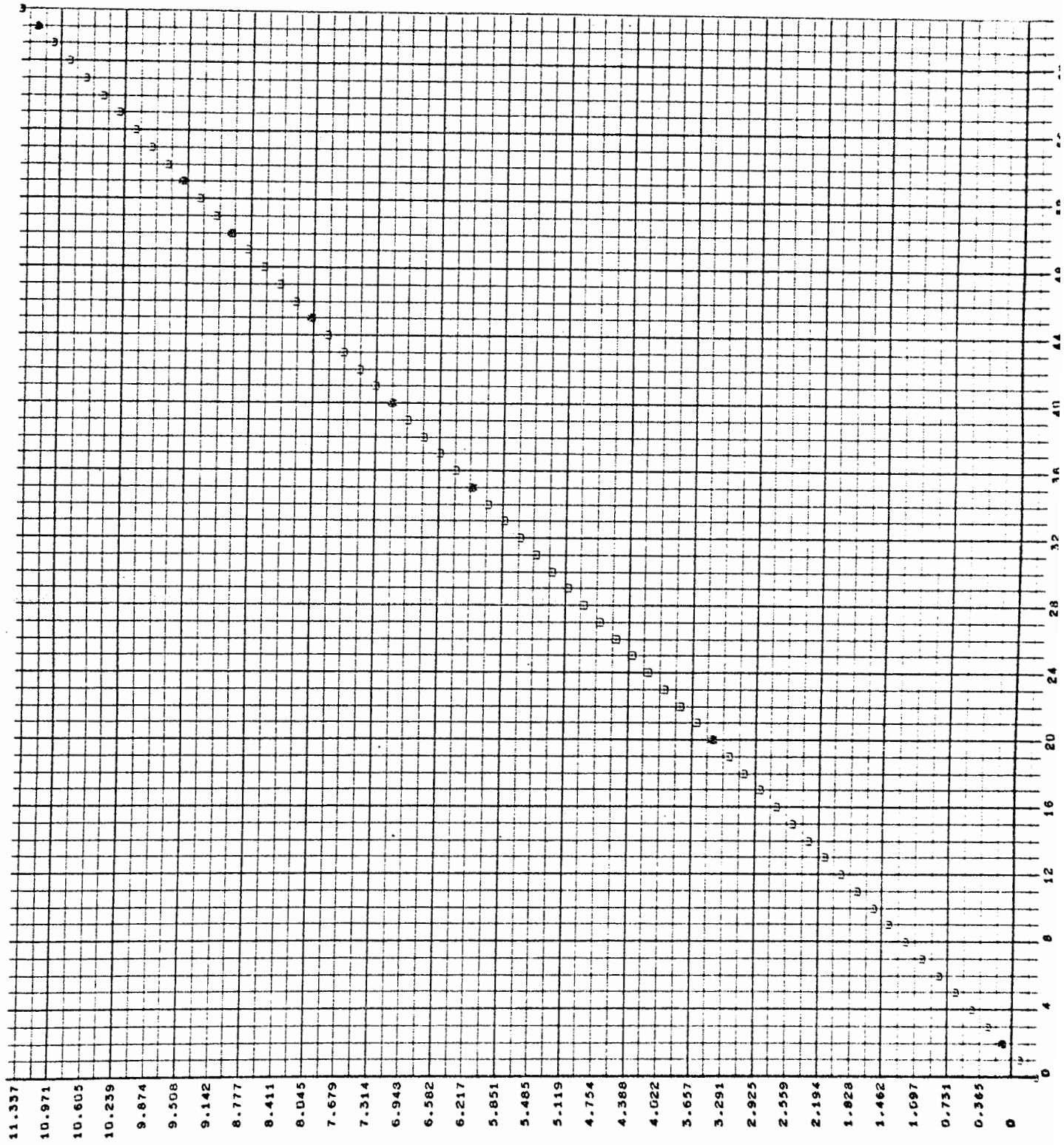
DEC DN	ENGINEERING UNITS	OCT DN	DEC DN	ENGINEERING UNITS	OCT DN
0	-0.26906	0	32	5.64598	40
1	-0.08513	1	33	5.83180	41
2	0.09886	2	34	6.01768	42
3	0.28291	3	35	6.20361	43
4	0.46702	4	36	6.38961	44
5	0.65119	5	37	6.57566	45
6	0.83541	6	38	6.76177	46
7	1.01970	7	39	6.94794	47
8	1.20404	10	40	7.13417	50
9	1.38844	11	41	7.32046	51
10	1.57291	12	42	7.50681	52
11	1.75743	13	43	7.69322	53
12	1.94201	14	44	7.87968	54
13	2.12665	15	45	8.06621	55
14	2.31134	16	46	8.25279	56
15	2.49610	17	47	8.43943	57
16	2.68092	20	48	8.62613	60
17	2.86579	21	49	8.81289	61
18	3.05072	22	50	8.99971	62
19	3.23572	23	51	9.18659	63
20	3.42077	24	52	9.37353	64
21	3.60588	25	53	9.56052	65
22	3.79105	26	54	9.74758	66
23	3.97628	27	55	9.93469	67
24	4.16156	30	56	10.12187	70
25	4.34691	31	57	10.30910	71
26	4.53231	32	58	10.49639	72
27	4.71778	33	59	10.68374	73
28	4.90330	34	60	10.87115	74
29	5.08888	35	61	11.05862	75
30	5.27452	36	62	11.24614	76
31	5.46022	37	63	11.43373	77

A0 -0.26906216E 00 A1 0.18390224E 00 A2 0.29465498E-04
 A3 0.6CCCC00CE-38 A4 0.00000000E-38 A5 0.00000000E-38

RTU 2 CURRENT AMPS VS DN

FRI621 C-105

02/11/72



BATTERY VCLTAGE VCC VS DN

PBATV C-106

02/11/72

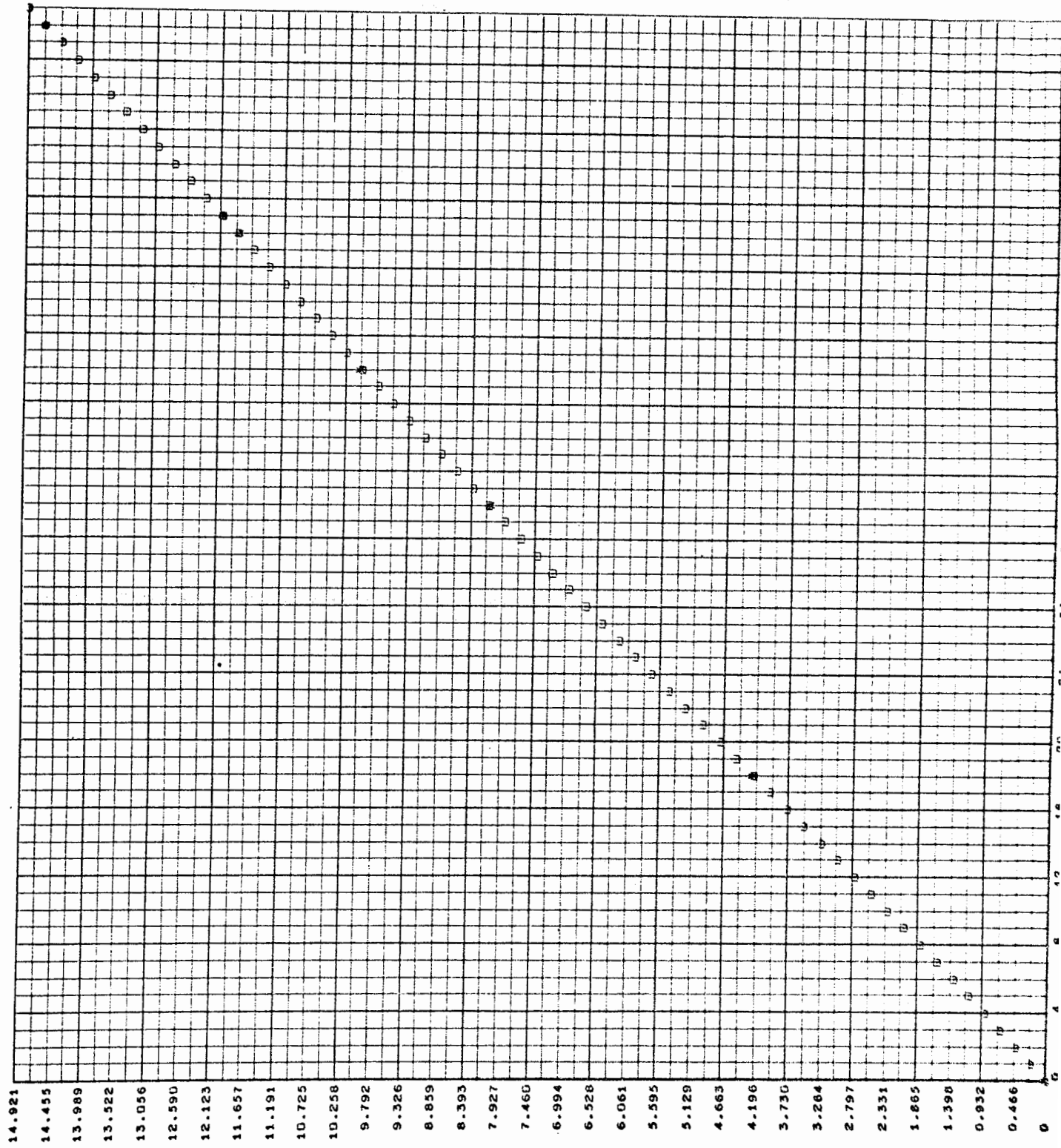
DEC DN	ENGINEERING UNITS	OCT DN	DEC DN	ENGINEERING UNITS	OCT DN
0	0.00C51	0	32	7.66281	40
1	0.21727	1	33	7.90210	41
2	0.43749	2	34	8.14056	42
3	0.66091	3	35	8.37818	43
4	0.88727	4	36	8.61496	44
5	1.11635	5	37	8.85091	45
6	1.34791	6	38	9.08606	46
7	1.58171	7	39	9.32044	47
8	1.81756	10	40	9.55407	50
9	2.05523	11	41	9.78700	51
10	2.29452	12	42	10.01928	52
11	2.53525	13	43	10.25098	53
12	2.77722	14	44	10.48215	54
13	3.02027	15	45	10.71288	55
14	3.26421	16	46	10.94324	56
15	3.50889	17	47	11.17333	57
16	3.75415	20	48	11.40325	60
17	3.99985	21	49	11.63310	61
18	4.24586	22	50	11.86299	62
19	4.49203	23	51	12.09306	63
20	4.73825	24	52	12.32342	64
21	4.98440	25	53	12.55422	65
22	5.23037	26	54	12.78560	66
23	5.47608	27	55	13.01772	67
24	5.72142	30	56	13.25074	70
25	5.96632	31	57	13.48482	71
26	6.21070	32	58	13.72015	72
27	6.45448	33	59	13.95691	73
28	6.69762	34	60	14.19529	74
29	6.94007	35	61	14.43550	75
30	7.18177	36	62	14.67774	76
31	7.42269	37	63	14.92223	77

A0 0.50735593E-03 A1 0.21494723E 00 A2 0.18596119E-02
 A3 -0.44704906E-04 A4 0.32867349E-06 A5 0.0000000E-38

BATTERY VOLTAGE VDC VS DN

FBATV C-106

02/11/72



BUS VCLTAGE - EXPANDED VOLTS VS DN

PBUSEV C-107

02/11/72

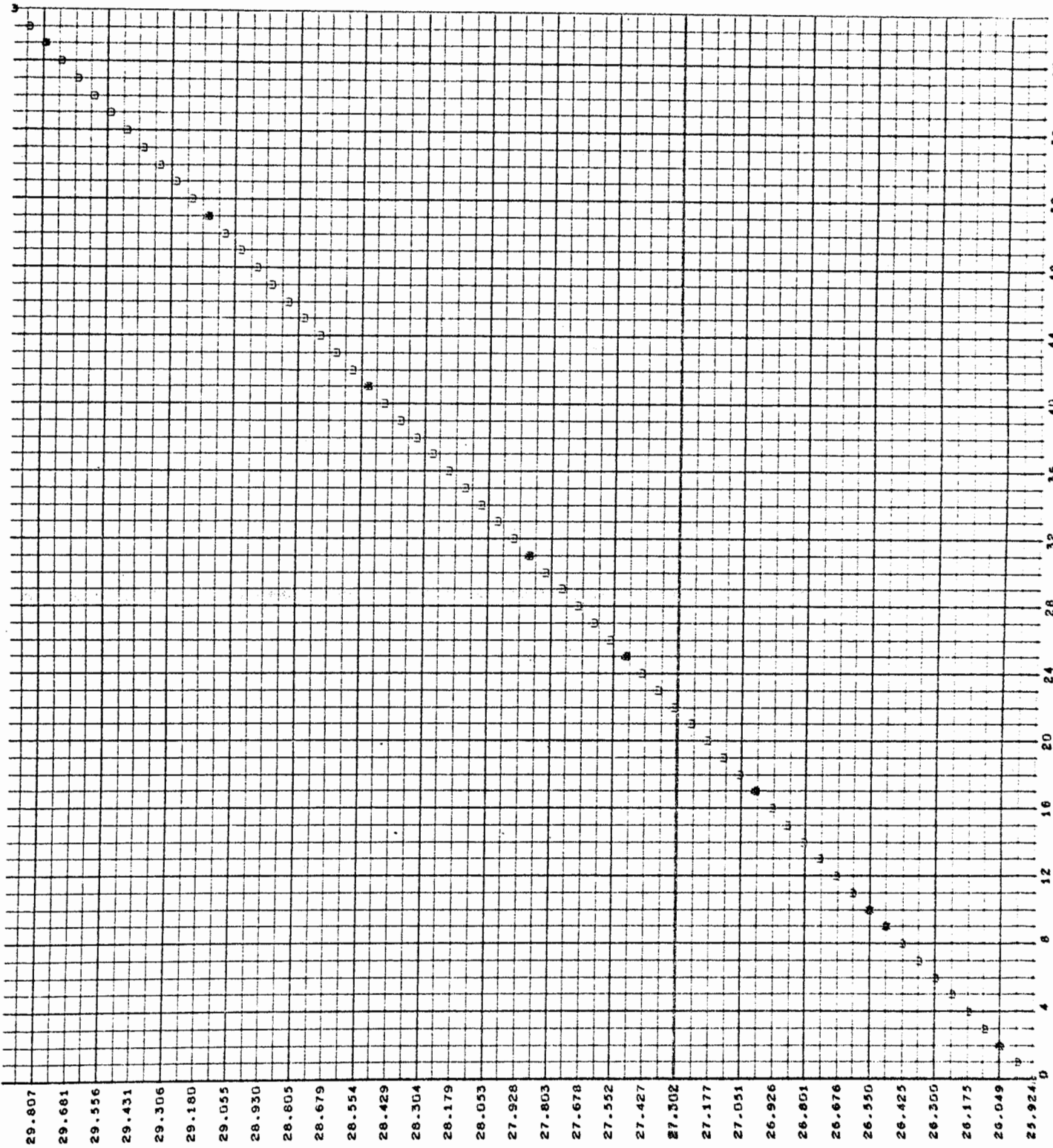
DEC DN	ENGINEERING UNITS	OCT DN	DEC DN	ENGINEERING UNITS	OCT DN
0	25.91860	0	32	27.95424	40
1	25.98221	1	33	28.01785	41
2	26.04582	2	34	28.08147	42
3	26.10944	3	35	28.14508	43
4	26.17305	4	36	28.20870	44
5	26.23667	5	37	28.27231	45
6	26.30028	6	38	28.33592	46
7	26.36389	7	39	28.39954	47
8	26.42751	10	40	28.46315	50
9	26.49112	11	41	28.52677	51
10	26.55473	12	42	28.59038	52
11	26.61835	13	43	28.65399	53
12	26.68196	14	44	28.71761	54
13	26.74558	15	45	28.78122	55
14	26.80919	16	46	28.84484	56
15	26.87280	17	47	28.90845	57
16	26.93642	20	48	28.97206	60
17	27.00003	21	49	29.03568	61
18	27.06365	22	50	29.09929	62
19	27.12726	23	51	29.16291	63
20	27.19087	24	52	29.22652	64
21	27.25449	25	53	29.29013	65
22	27.31810	26	54	29.35375	66
23	27.38172	27	55	29.41736	67
24	27.44533	30	56	29.48097	70
25	27.50894	31	57	29.54459	71
26	27.57256	32	58	29.60820	72
27	27.63617	33	59	29.67182	73
28	27.69979	34	60	29.73543	74
29	27.76340	35	61	29.79904	75
30	27.82701	36	62	29.86266	76
31	27.89063	37	63	29.92627	77

A0 0.25918596E 02 A1 0.63613911E-01 A2 0.0000000E-38
 A3 0.0000000E-38 A4 0.0000000E-38 A5 0.0000000E-38

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FBUSEV C-107

BUS VOLTAGE - EXPANDED VOLTS VS DN



BATTERY CHARGE CURRENT AMPS VS DN

PBCHGI C-I09

02/11/72

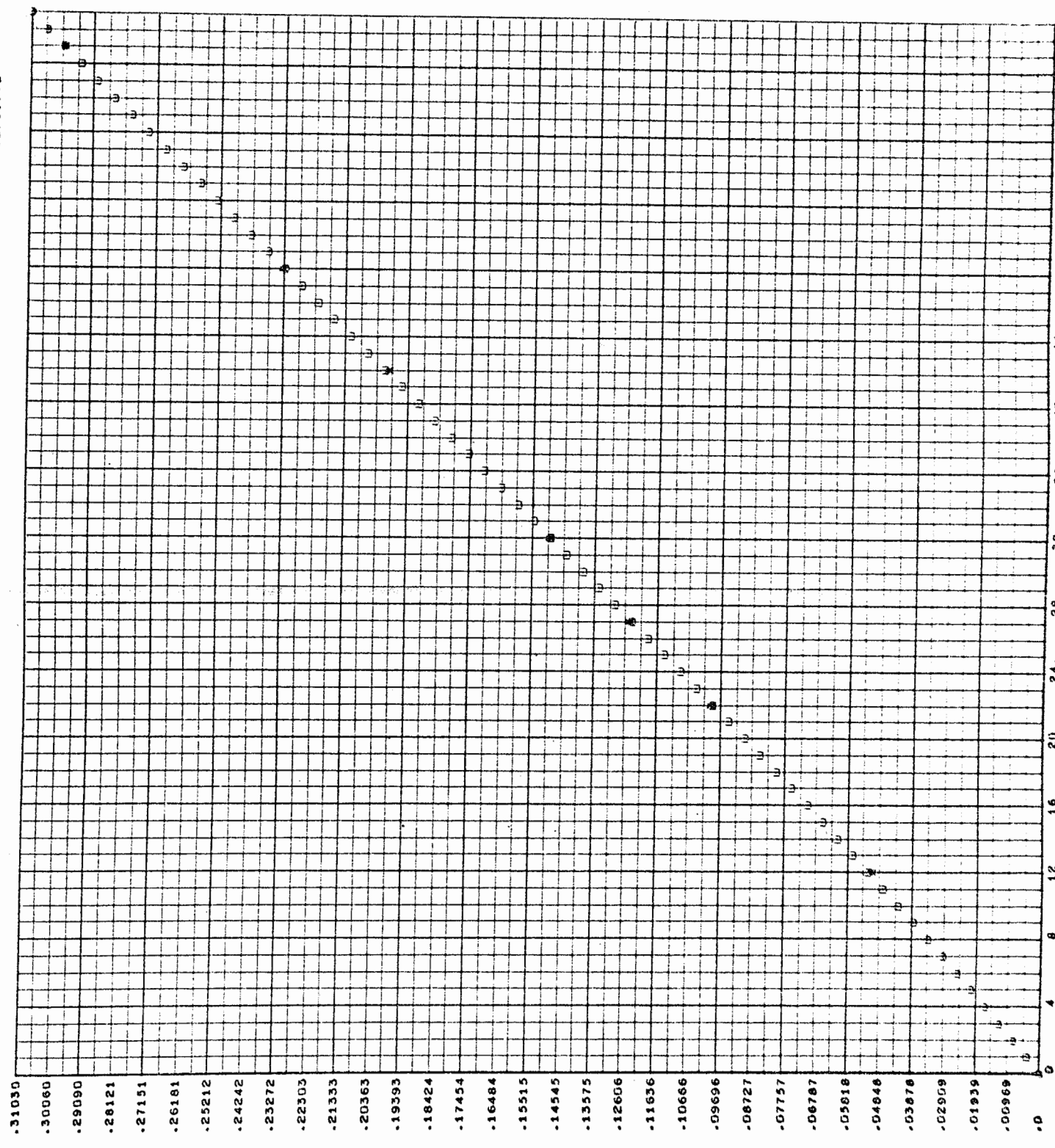
DEC	ENGINEERING UNITS	OCT	DEC	ENGINEERING UNITS	OCT
DN		DN	DN		DN
0	-0.00015	0	32	0.14963	40
1	0.00396	1	33	0.15474	41
2	0.00811	2	34	0.15987	42
3	0.01232	3	35	0.16500	43
4	0.01656	4	36	0.17015	44
5	0.02086	5	37	0.17531	45
6	0.02519	6	38	0.18048	46
7	0.02957	7	39	0.18567	47
8	0.03399	10	40	0.19085	50
9	0.03844	11	41	0.19605	51
10	0.04294	12	42	0.20125	52
11	0.04747	13	43	0.20646	53
12	0.05204	14	44	0.21167	54
13	0.05665	15	45	0.21689	55
14	0.06129	16	46	0.22211	56
15	0.06597	17	47	0.22732	57
16	0.07068	20	48	0.23254	60
17	0.07542	21	49	0.23776	61
18	0.08019	22	50	0.24298	62
19	0.08499	23	51	0.24819	63
20	0.08982	24	52	0.25340	64
21	0.09467	25	53	0.25860	65
22	0.09956	26	54	0.26380	66
23	0.10447	27	55	0.26899	67
24	0.10940	30	56	0.27418	70
25	0.11436	31	57	0.27935	71
26	0.11934	32	58	0.28451	72
27	0.12434	33	59	0.28967	73
28	0.12936	34	60	0.29481	74
29	0.13440	35	61	0.29994	75
30	0.13946	36	62	0.30505	76
31	0.14454	37	63	0.31015	77

A0	-0.15235144E-03	A1	0.40858341E-02	A2	0.24027459E-04
A3	-0.16985028E-06	A4	0.00000000E-38	A5	0.00000000E-38

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FBCHGI C-109

BATTERY CHARGE CURRENT AMPS VS DN



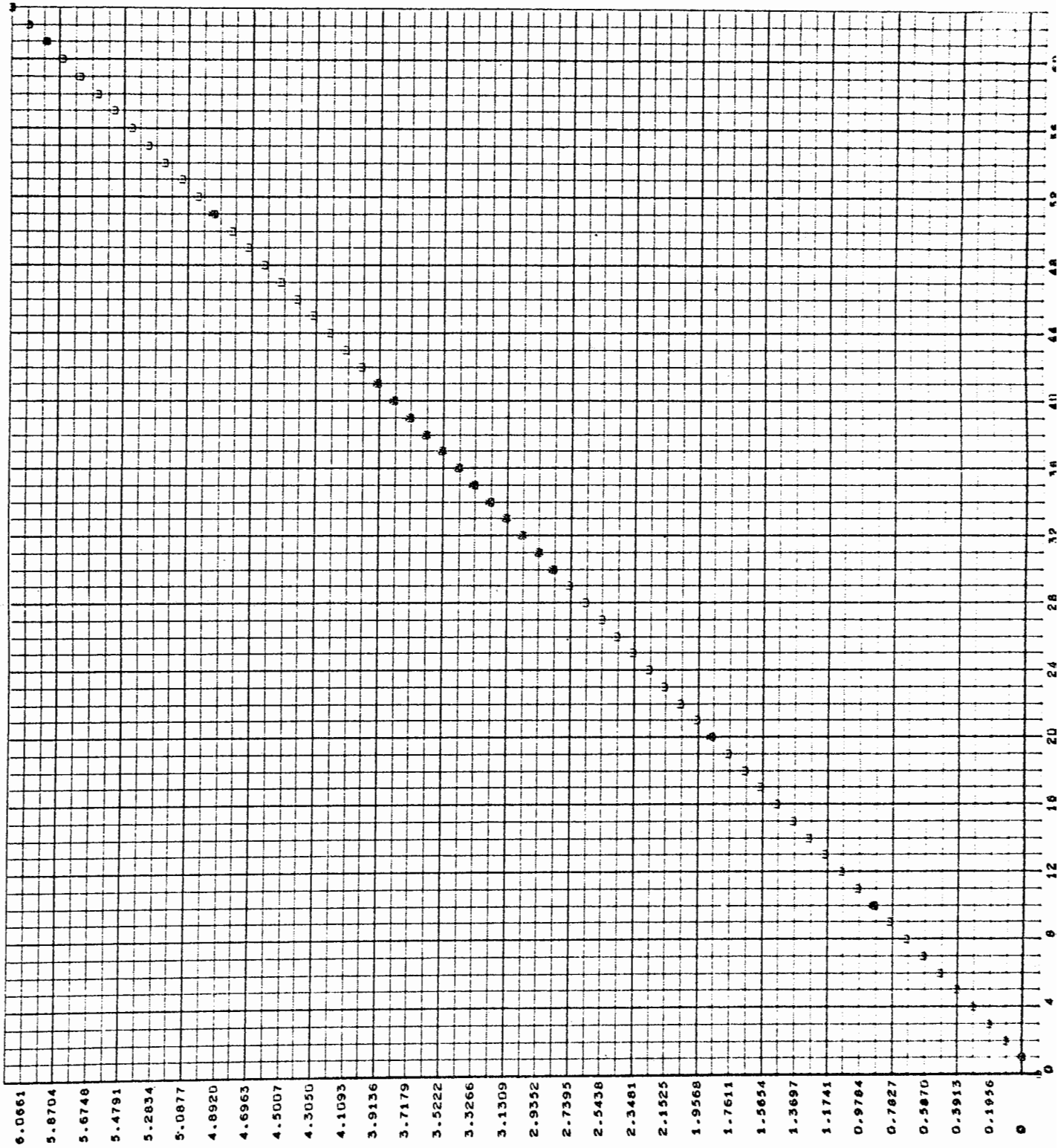
RTG 1 VOLTAGE VS DN

PRIGIV C-110

02/11/72

DEC DN	ENGINEERING UNITS	OCT DN	DEC DN	ENGINEERING UNITS	OCT DN
0	-0.09692	0	32	3.04366	40
1	0.00326	1	33	3.14144	41
2	0.10321	2	34	3.23931	42
3	0.20294	3	35	3.33729	43
4	0.30245	4	36	3.43539	44
5	0.40176	5	37	3.53360	45
6	0.50087	6	38	3.63196	46
7	0.59980	7	39	3.73046	47
8	0.69856	10	40	3.82911	50
9	0.79716	11	41	3.92794	51
10	0.89560	12	42	4.02694	52
11	0.99391	13	43	4.12612	53
12	1.09208	14	44	4.22551	54
13	1.19013	15	45	4.32510	55
14	1.28806	16	46	4.42490	56
15	1.38590	17	47	4.52494	57
16	1.48365	20	48	4.62522	60
17	1.58131	21	49	4.72574	61
18	1.67891	22	50	4.82652	62
19	1.77645	23	51	4.92757	63
20	1.87393	24	52	5.02890	64
21	1.97138	25	53	5.13053	65
22	2.06880	26	54	5.23245	66
23	2.16620	27	55	5.33468	67
24	2.26359	30	56	5.43723	70
25	2.36099	31	57	5.54011	71
26	2.45839	32	58	5.64333	72
27	2.55582	33	59	5.74691	73
28	2.65328	34	60	5.85085	74
29	2.75079	35	61	5.95515	75
30	2.84834	36	62	6.05985	76
31	2.94597	37	63	6.16493	77

A0 -0.96924142E-01 A1 0.10030523E 00 A2 -0.12237905E-03
 A3 0.17130593E-05 A4 0.0000000E-38 A5 0.0000000E-38



RTG 4 VOLTAGE VOLTS VS DN

PRIG4V C-113

02/11/72

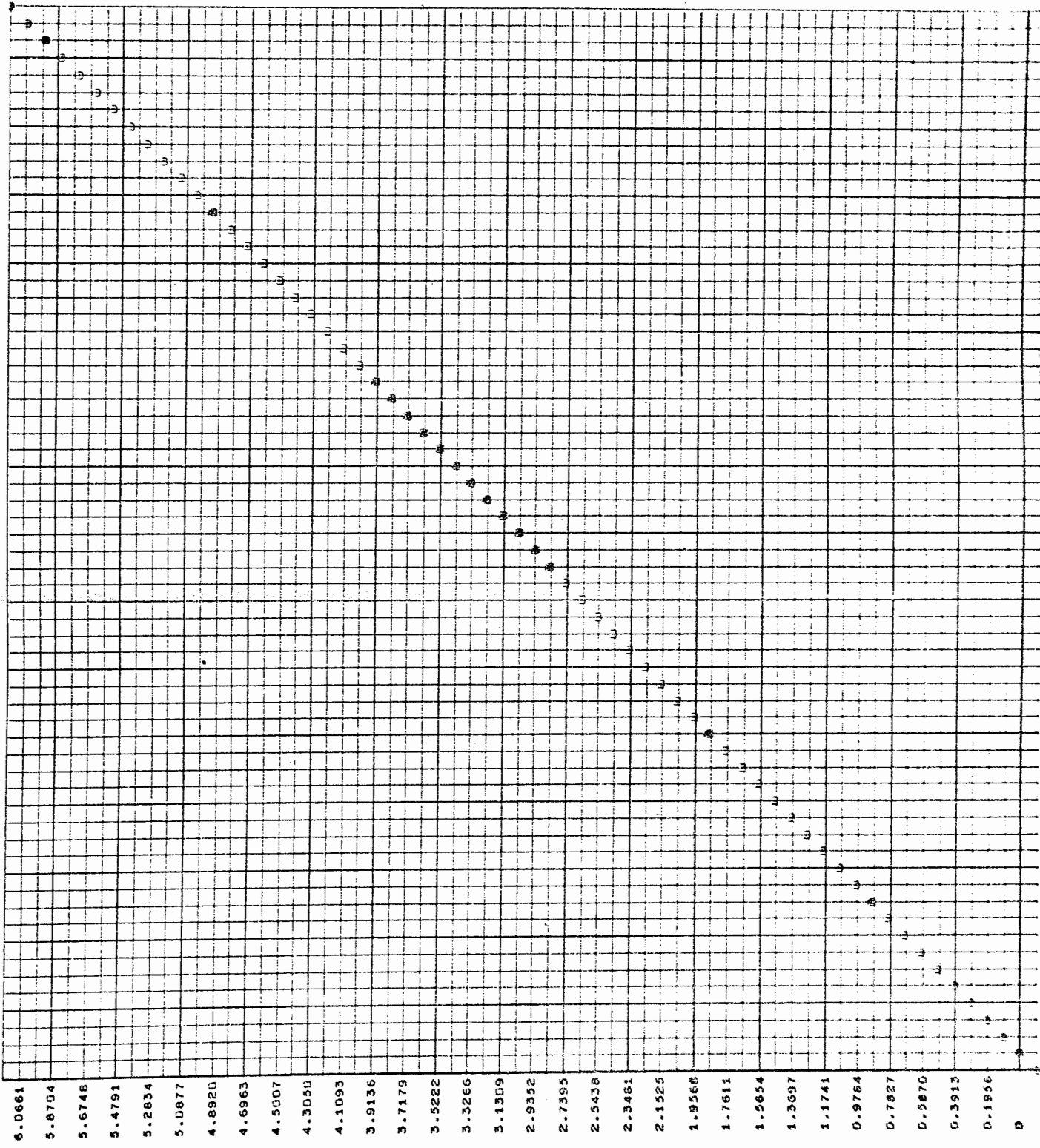
DEC DN	ENGINEERING UNITS	OCT DN	DEC DN	ENGINEERING UNITS	OCT DN
0	-0.09692	0	32	3.04366	40
1	0.00326	1	33	3.14144	41
2	0.10321	2	34	3.23931	42
3	0.20294	3	35	3.33729	43
4	0.30245	4	36	3.43539	44
5	0.40176	5	37	3.53360	45
6	0.50087	6	38	3.63196	46
7	0.59980	7	39	3.73046	47
8	0.69856	10	40	3.82911	50
9	0.79716	11	41	3.92794	51
10	0.89560	12	42	4.02694	52
11	0.99391	13	43	4.12612	53
12	1.09208	14	44	4.22551	54
13	1.19013	15	45	4.32510	55
14	1.28806	16	46	4.42490	56
15	1.38590	17	47	4.52494	57
16	1.48365	20	48	4.62522	60
17	1.58131	21	49	4.72574	61
18	1.67891	22	50	4.82652	62
19	1.77645	23	51	4.92757	63
20	1.87393	24	52	5.02890	64
21	1.97138	25	53	5.13053	65
22	2.06880	26	54	5.23245	66
23	2.16620	27	55	5.33468	67
24	2.26359	30	56	5.43723	70
25	2.36099	31	57	5.54011	71
26	2.45839	32	58	5.64333	72
27	2.55582	33	59	5.74691	73
28	2.65328	34	60	5.85085	74
29	2.75079	35	61	5.95515	75
30	2.84834	36	62	6.05985	76
31	2.94597	37	63	6.16493	77

A0 -0.96924142E-01 A1 0.10030523E 00 A2 -0.12237905E-03
 A3 0.17130593E-05 A4 0.00000000E-38 A5 0.00000000E-38

02/11/72

FRIG4V C-113

FIG 4 VOLTAGE VOLTS VS DN



RTG 3 CURRENT AMPS VS DN

PRIG31 C-114

02/11/72

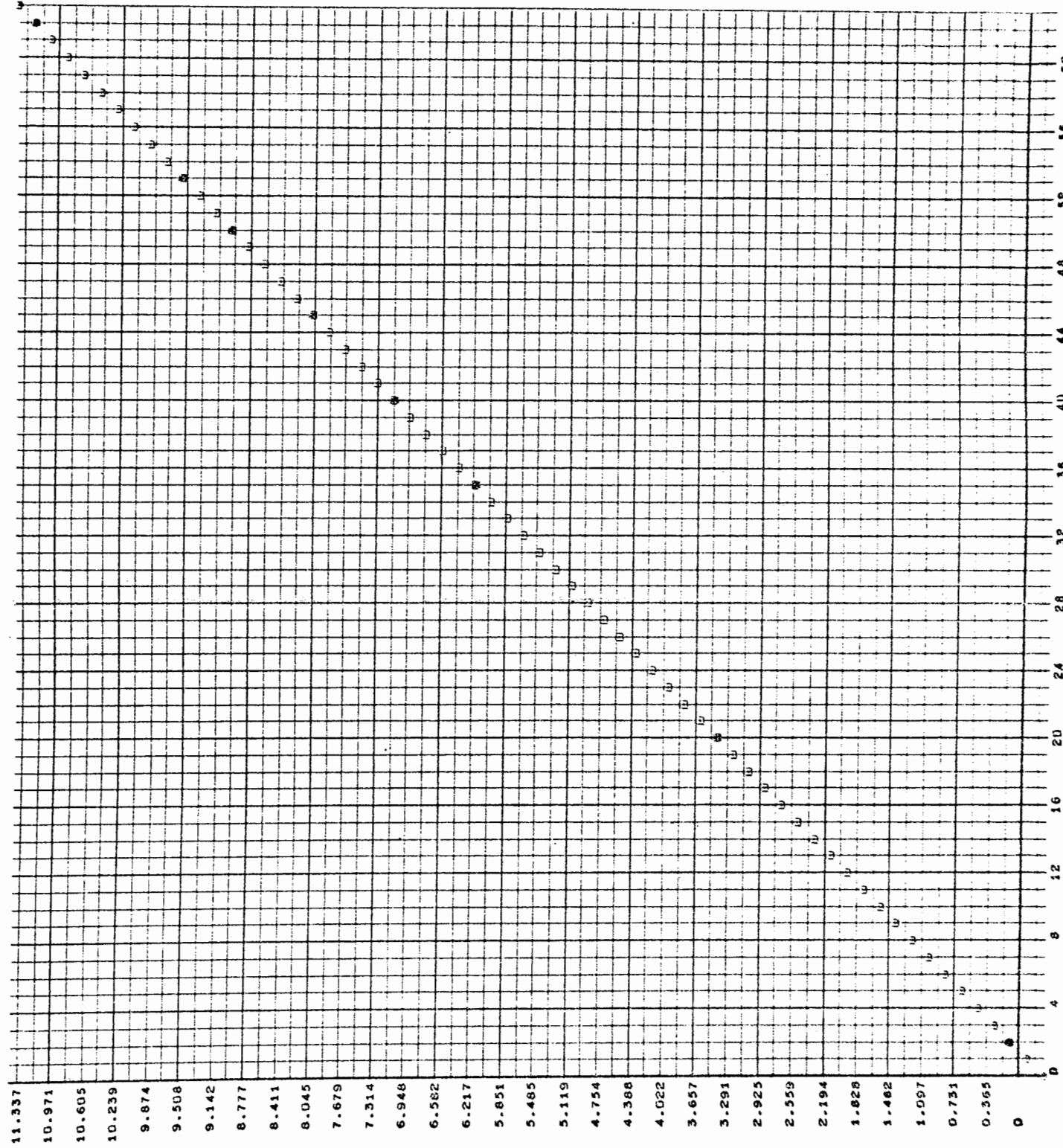
DEC DN	ENGINEERING UNITS	OCT DN	DEC DN	ENGINEERING UNITS	OCT DN
0	-0.26906	0	32	5.64598	40
1	-0.08513	1	33	5.83180	41
2	0.09886	2	34	6.01768	42
3	0.28291	3	35	6.20361	43
4	0.46702	4	36	6.38961	44
5	0.65119	5	37	6.57566	45
6	0.83541	6	38	6.76177	46
7	1.01970	7	39	6.94794	47
8	1.20404	10	40	7.13417	50
9	1.38844	11	41	7.32046	51
10	1.57291	12	42	7.50681	52
11	1.75743	13	43	7.69322	53
12	1.94201	14	44	7.87968	54
13	2.12665	15	45	8.06621	55
14	2.31134	16	46	8.25279	56
15	2.49610	17	47	8.43943	57
16	2.68092	20	48	8.62613	60
17	2.86579	21	49	8.81289	61
18	3.05072	22	50	8.99971	62
19	3.23572	23	51	9.18659	63
20	3.42077	24	52	9.37353	64
21	3.60588	25	53	9.56052	65
22	3.79105	26	54	9.74758	66
23	3.97628	27	55	9.93469	67
24	4.16156	30	56	10.12187	70
25	4.34691	31	57	10.30910	71
26	4.53231	32	58	10.49639	72
27	4.71778	33	59	10.68374	73
28	4.90330	34	60	10.87115	74
29	5.08888	35	61	11.05862	75
30	5.27452	36	62	11.24614	76
31	5.46022	37	63	11.43373	77

AO	-0.26906216E 00	A1	0.18390224E 00	A2	0.29465498E-04
A3	0.CCCCC00CE-38	A4	0.00C00000E-38	A5	0.0C000000E-38

RTG 3 CURRENT AMPS VS DN

FRIG31 C-114

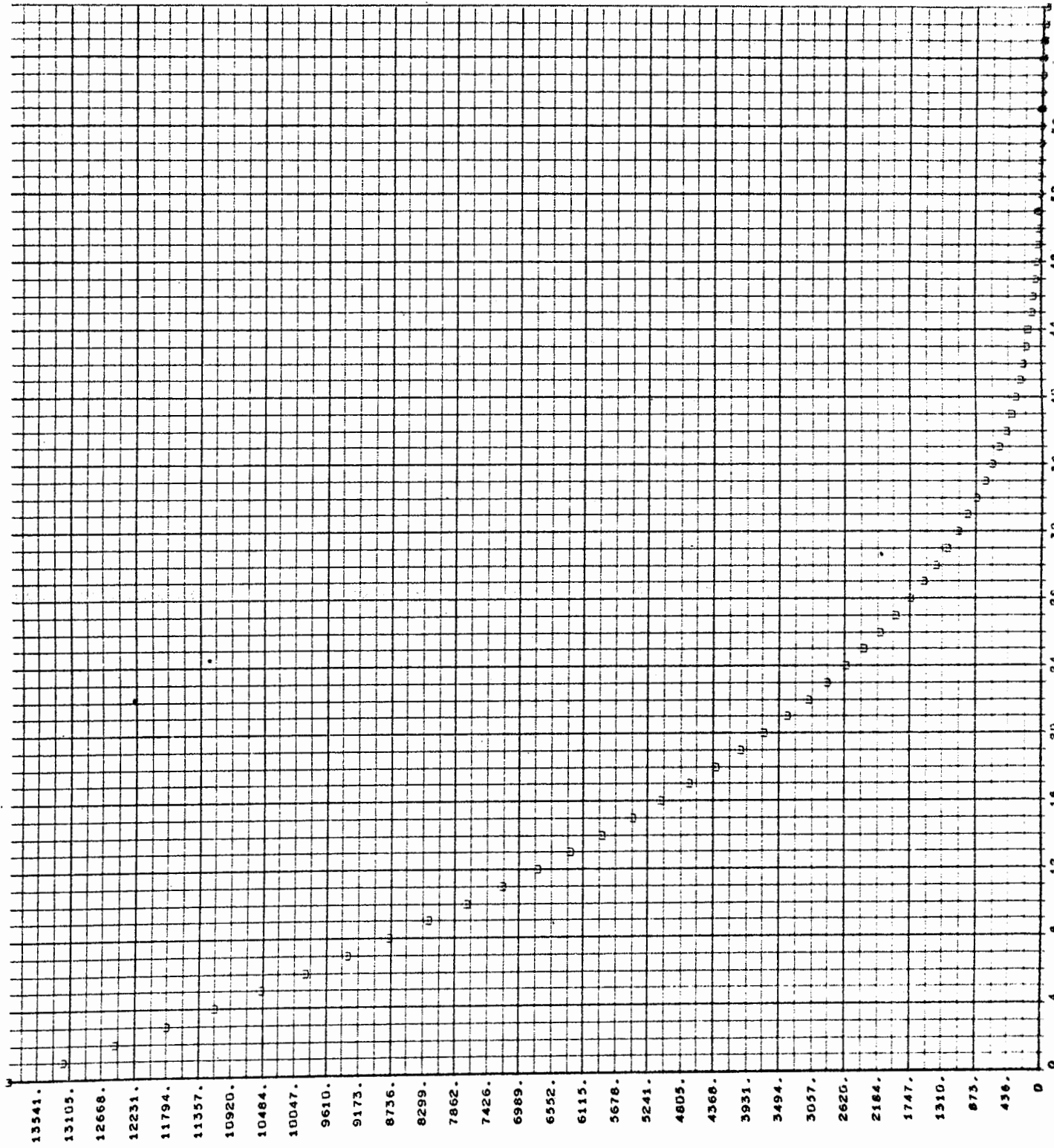
02/11/72



BATTERY TEMPERATURE DEG F VS DN EXPANDED RANGE PBATT C-115 02/11/72

DEC	ENGINEERING UNITS	OCT	DEC	ENGINEERING UNITS	OCT	DN
DN		DN	DN		DN	DN
0	199.93822	0	32	93.30541	40	
1	194.21187	1	33	91.05075	41	
2	188.72356	2	34	88.76668	42	
3	183.46492	3	35	86.44485	43	
4	178.42760	4	36	84.07690	44	
5	173.60324	5	37	81.65447	45	
6	168.98347	6	38	79.16920	46	
7	164.55995	7	39	76.61274	47	
8	160.32431	10	40	73.97672	50	
9	156.26820	11	41	71.25280	51	
10	152.38326	12	42	68.43261	52	
11	148.66114	13	43	65.50780	53	
12	145.09347	14	44	62.47000	54	
13	141.67190	15	45	59.31087	55	
14	138.38807	16	46	56.02203	56	
15	135.23362	17	47	52.59515	57	
16	132.20020	20	48	49.02185	60	
17	129.27945	21	49	45.29379	61	
18	126.46301	22	50	41.40260	62	
19	123.74253	23	51	37.33993	63	
20	121.10964	24	52	33.09741	64	
21	118.55599	25	53	28.66670	65	
22	116.07322	26	54	24.03943	66	
23	113.65298	27	55	19.20725	67	
24	111.28690	30	56	14.16180	70	
25	108.96663	31	57	8.89473	71	
26	106.68382	32	58	3.39766	72	
27	104.43010	33	59	-2.33774	73	
28	102.19711	34	60	-8.31985	74	
29	99.97651	35	61	-14.55702	75	
30	97.75993	36	62	-21.05759	76	
31	95.53902	37	63	-27.82995	77	

A0 0.15993822E 03 A1 -0.58481423E 01 A2 0.12319372E 00
A3 -0.13929025E-02 A4 0.00000000E-38 A5 0.00000000E-38



BATTERY TEMPERATURE DEG F VS DN PBATT C-115 02/11/72

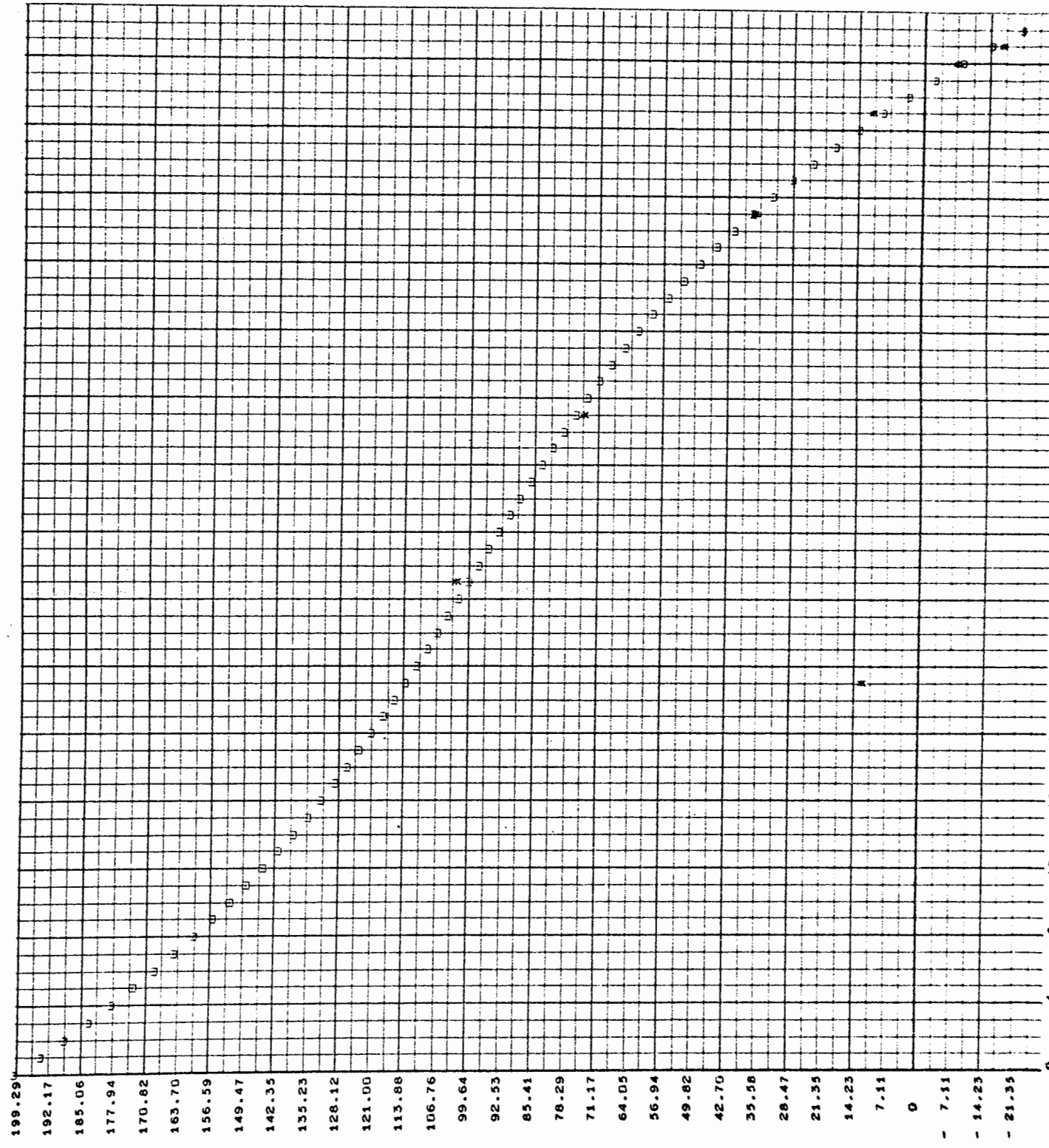
DEC DN	ENGINEERING UNITS	OCT DN	DEC DN	ENGINEERING UNITS	OCT DN
0	13932.62207	0	32	1115.09277	40
1	13196.79065	1	33	985.40906	41
2	12487.47974	2	34	866.60022	42
3	11804.20044	3	35	758.17749	43
4	11146.46350	4	36	659.65161	44
5	10513.78040	5	37	570.53394	45
6	9905.66199	6	38	490.33521	46
7	9321.61951	7	39	418.56689	47
8	8761.16382	10	40	354.73987	50
9	8223.80603	11	41	298.36523	51
10	7709.05743	12	42	248.95422	52
11	7216.42889	13	43	206.01758	53
12	6745.43152	14	44	169.06665	54
13	6295.57648	15	45	137.61230	55
14	5866.37469	16	46	111.16602	56
15	5457.33740	17	47	89.23853	57
16	5067.97559	20	48	71.34058	60
17	4697.80042	21	49	56.98401	61
18	4346.32288	22	50	45.67944	62
19	4013.05396	23	51	36.93787	63
20	3697.50488	24	52	30.27087	64
21	3399.18665	25	53	25.18872	65
22	3117.61047	26	54	21.20337	66
23	2852.28723	27	55	17.82544	67
24	2602.72827	30	56	14.56580	70
25	2368.44446	31	57	10.93616	71
26	2148.94678	32	58	6.44653	72
27	1943.74646	33	59	0.60925	73
28	1752.35461	34	60	-7.06543	74
29	1574.28223	35	61	-17.06592	75
30	1409.04041	36	62	-29.88171	76
31	1256.14014	37	63	-46.00134	77

A0 0.13932622E 05 A1 -0.74925455E 03 A2 0.13504681E 02
A3 -0.81487346E-01 A4 0.00000000E-38 A5 0.00000000E-38

02/11/72

FBATT C-115

BATTERY TEMPERATURE DEG F VS DN EXPANDED RANGE



CDU +5V CHANNEL A VCLTS VS DN

PIRFAV C-117

02/11/72

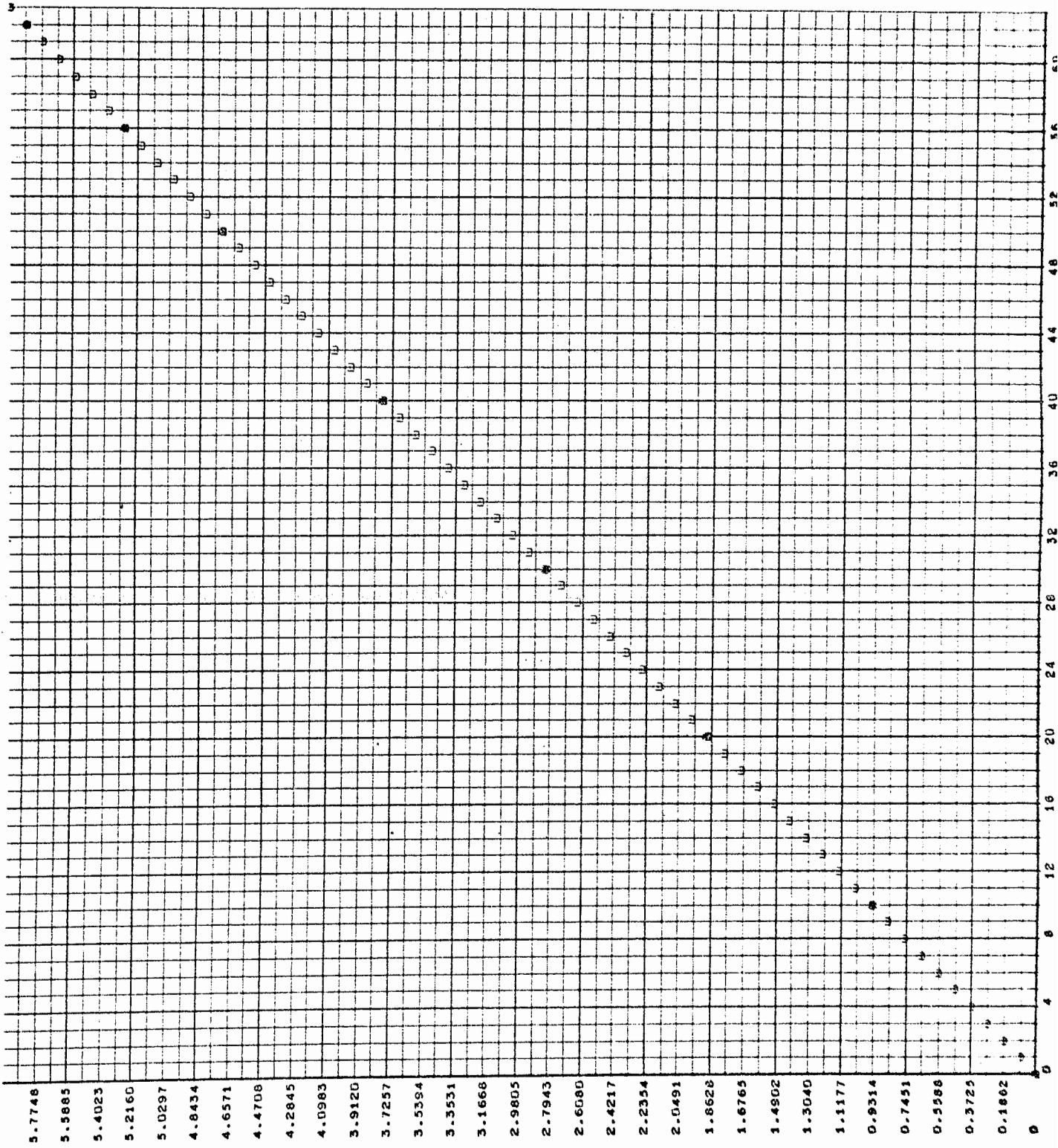
DEC DN	ENGINEERING UNITS	OCT DN	DEC DN	ENGINEERING UNITS	OCT DN
0	-0.00358	0	32	3.02432	40
1	0.09105	1	33	3.11894	41
2	0.18567	2	34	3.21356	42
3	0.28029	3	35	3.30818	43
4	0.37491	4	36	3.40280	44
5	0.46953	5	37	3.49743	45
6	0.56415	6	38	3.59205	46
7	0.65878	7	39	3.68667	47
8	0.75340	10	40	3.78129	50
9	0.84802	11	41	3.87591	51
10	0.94264	12	42	3.97053	52
11	1.03726	13	43	4.06516	53
12	1.13188	14	44	4.15978	54
13	1.22651	15	45	4.25440	55
14	1.32113	16	46	4.34902	56
15	1.41575	17	47	4.44364	57
16	1.51037	20	48	4.53826	60
17	1.60499	21	49	4.63289	61
18	1.69961	22	50	4.72751	62
19	1.79424	23	51	4.82213	63
20	1.88886	24	52	4.91675	64
21	1.98348	25	53	5.01137	65
22	2.07810	26	54	5.10599	66
23	2.17272	27	55	5.20062	67
24	2.26734	30	56	5.29524	70
25	2.36197	31	57	5.38986	71
26	2.45659	32	58	5.48448	72
27	2.55121	33	59	5.57910	73
28	2.64583	34	60	5.67372	74
29	2.74045	35	61	5.76835	75
30	2.83507	36	62	5.86297	76
31	2.92970	37	63	5.95759	77

A0	-0.35751000E-02	A1	0.94621644E-01	A2	0.00000000E-38
A3	0.60000000E-38	A4	0.00000000E-38	A5	0.00000000E-38

CDU +5V CHANNEL A VOLTS VS DN

PTRFAV C-117

02/11/72



CDU +5V CHANNEL B VCLTS VS DN

PTRFBV C-II8

02/11/72

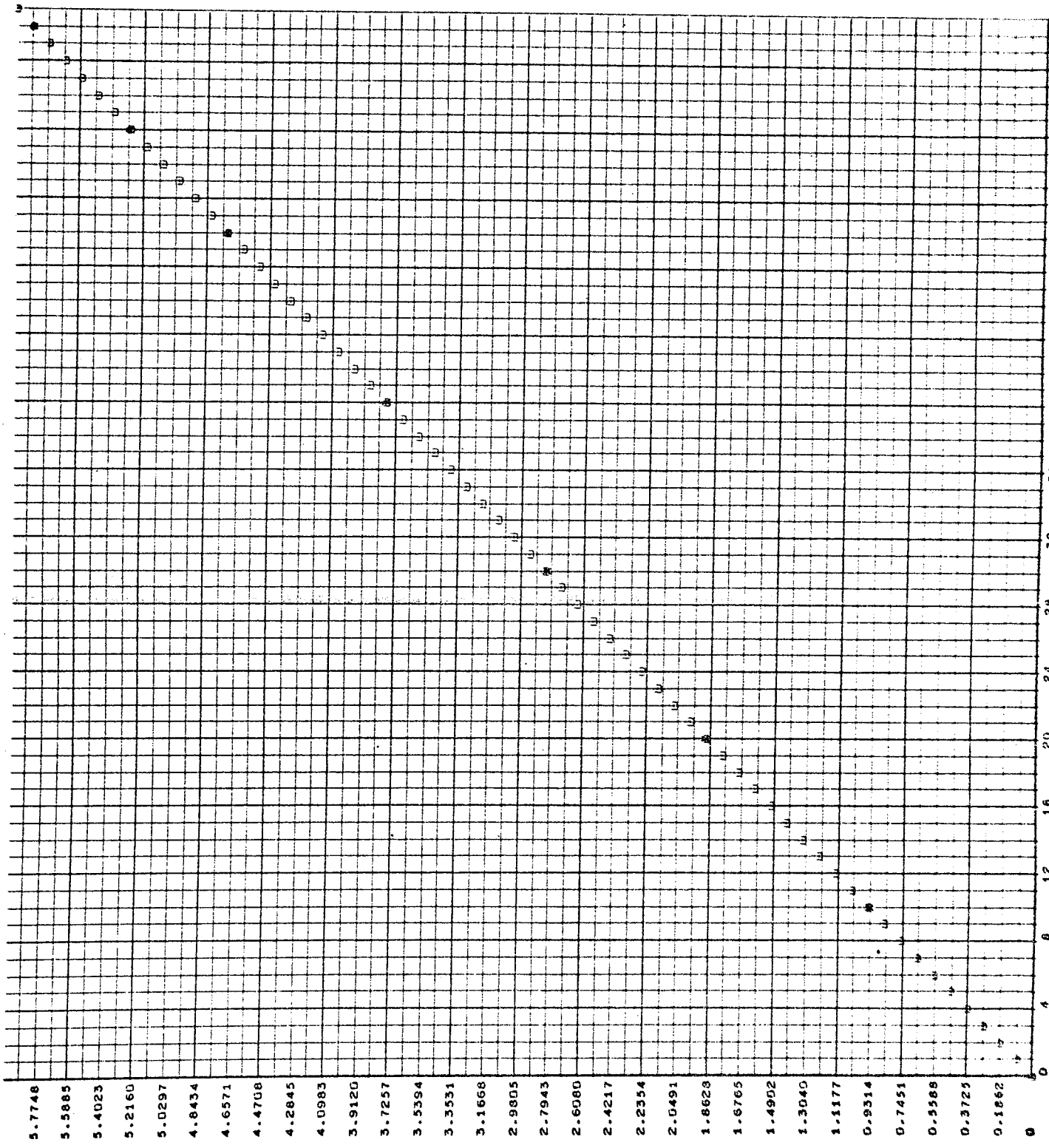
DEC DN	ENGINEERING UNITS	OCT DN	DEC DN	ENGINEERING UNITS	OCT DN
0	-0.00358	0	32	3.02432	40
1	0.09105	1	33	3.11894	41
2	0.18567	2	34	3.21356	42
3	0.28029	3	35	3.30818	43
4	0.37491	4	36	3.40280	44
5	0.46953	5	37	3.49743	45
6	0.56415	6	38	3.59205	46
7	0.65878	7	39	3.68667	47
8	0.75340	10	40	3.78129	50
9	0.84802	11	41	3.87591	51
10	0.94264	12	42	3.97053	52
11	1.03726	13	43	4.06516	53
12	1.13188	14	44	4.15978	54
13	1.22651	15	45	4.25440	55
14	1.32113	16	46	4.34902	56
15	1.41575	17	47	4.44364	57
16	1.51037	20	48	4.53826	60
17	1.60499	21	49	4.63289	61
18	1.69961	22	50	4.72751	62
19	1.79424	23	51	4.82213	63
20	1.88886	24	52	4.91675	64
21	1.98348	25	53	5.01137	65
22	2.07810	26	54	5.10599	66
23	2.17272	27	55	5.20062	67
24	2.26734	30	56	5.29524	70
25	2.36197	31	57	5.38986	71
26	2.45659	32	58	5.48448	72
27	2.55121	33	59	5.57910	73
28	2.64583	34	60	5.67372	74
29	2.74045	35	61	5.76835	75
30	2.83507	36	62	5.86297	76
31	2.92970	37	63	5.95759	77

A0 -0.35751000E-02 A1 0.94621644E-01 A2 0.00000000E-38
 A3 0.00000000E-38 A4 0.00000000E-38 A5 0.00000000E-38

CDU +5V CHANNEL B VOLTS VS DN

FIRBV C-118

52/11/72



BUS VCLTAGE VOLTS DC VS DN

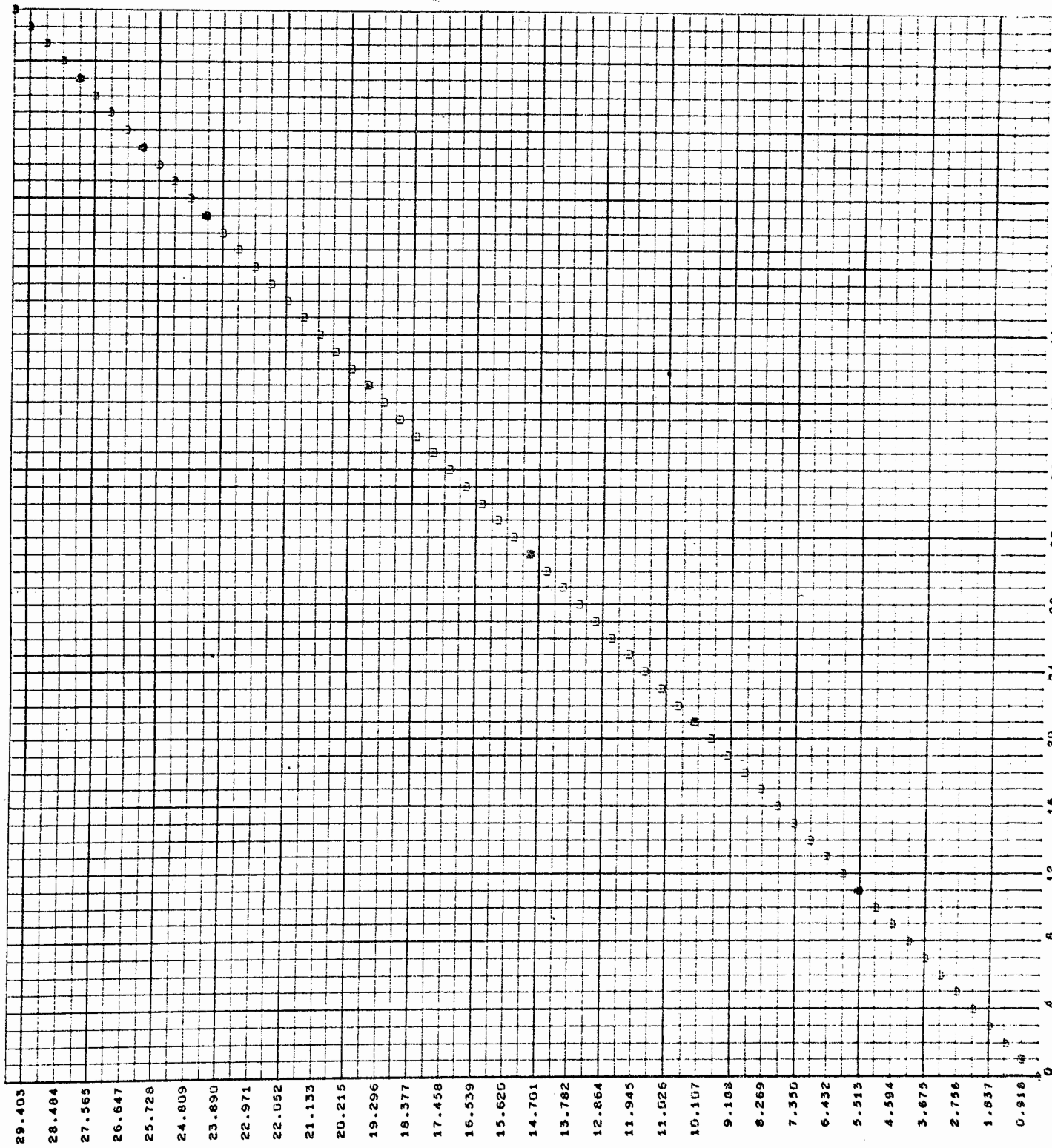
PBUSV C-119

02/11/72

DEC DN	ENGINEERING UNITS	OCT DN	DEC DN	ENGINEERING UNITS	OCT DN
0	0.45109	0	32	15.43905	40
1	0.90855	1	33	15.91213	41
2	1.36711	2	34	16.38506	42
3	1.82673	3	35	16.85779	43
4	2.28736	4	36	17.33028	44
5	2.74898	5	37	17.80250	45
6	3.21153	6	38	18.27440	46
7	3.67498	7	39	18.74594	47
8	4.13929	10	40	19.21710	50
9	4.60443	11	41	19.68781	51
10	5.07034	12	42	20.15806	52
11	5.53700	13	43	20.62780	53
12	6.00436	14	44	21.09698	54
13	6.47239	15	45	21.56557	55
14	6.94104	16	46	22.03354	56
15	7.41028	17	47	22.50083	57
16	7.88007	20	48	22.96742	60
17	8.35036	21	49	23.43326	61
18	8.82113	22	50	23.89832	62
19	9.29232	23	51	24.36255	63
20	9.76390	24	52	24.82591	64
21	10.23583	25	53	25.28838	65
22	10.70808	26	54	25.74990	66
23	11.18060	27	55	26.21043	67
24	11.65335	30	56	26.66995	70
25	12.12629	31	57	27.12840	71
26	12.59939	32	58	27.58576	72
27	13.07261	33	59	28.04198	73
28	13.54590	34	60	28.49701	74
29	14.01923	35	61	28.95084	75
30	14.49255	36	62	29.40340	76
31	14.96584	37	63	29.85467	77

A0 0.45109614E 00 A1 0.45690355E 00 A2 0.56754906E-03

A3 -0.65345406E-05 A4 0.00C00000E-38 A5 0.00000000E-38



SHUNT CURRENT AMPS VS DN

PSHNTI C-122

02/11/72

DEC DN	ENGINEERING UNITS	OCT DN	DEC DN	ENGINEERING UNITS	OCT DN
0	-0.04923	0	32	1.39535	40
1	-0.00660	1	33	1.44317	41
2	0.03620	2	34	1.49114	42
3	0.07916	3	35	1.53928	43
4	0.12228	4	36	1.58757	44
5	0.16556	5	37	1.63603	45
6	0.20901	6	38	1.68466	46
7	0.25261	7	39	1.73344	47
8	0.29638	10	40	1.78238	50
9	0.34031	11	41	1.83149	51
10	0.38440	12	42	1.88076	52
11	0.42866	13	43	1.93019	53
12	0.47307	14	44	1.97978	54
13	0.51765	15	45	2.02954	55
14	0.56239	16	46	2.07945	56
15	0.60729	17	47	2.12953	57
16	0.65235	20	48	2.17977	60
17	0.69758	21	49	2.23017	61
18	0.74296	22	50	2.28074	62
19	0.78851	23	51	2.33146	63
20	0.83422	24	52	2.38235	64
21	0.88009	25	53	2.43339	65
22	0.92612	26	54	2.48461	66
23	0.97232	27	55	2.53598	67
24	1.01868	30	56	2.58751	70
25	1.06519	31	57	2.63921	71
26	1.11187	32	58	2.69106	72
27	1.15872	33	59	2.74308	73
28	1.20572	34	60	2.79526	74
29	1.25289	35	61	2.84761	75
30	1.30021	36	62	2.90011	76
31	1.34770	37	63	2.95278	77

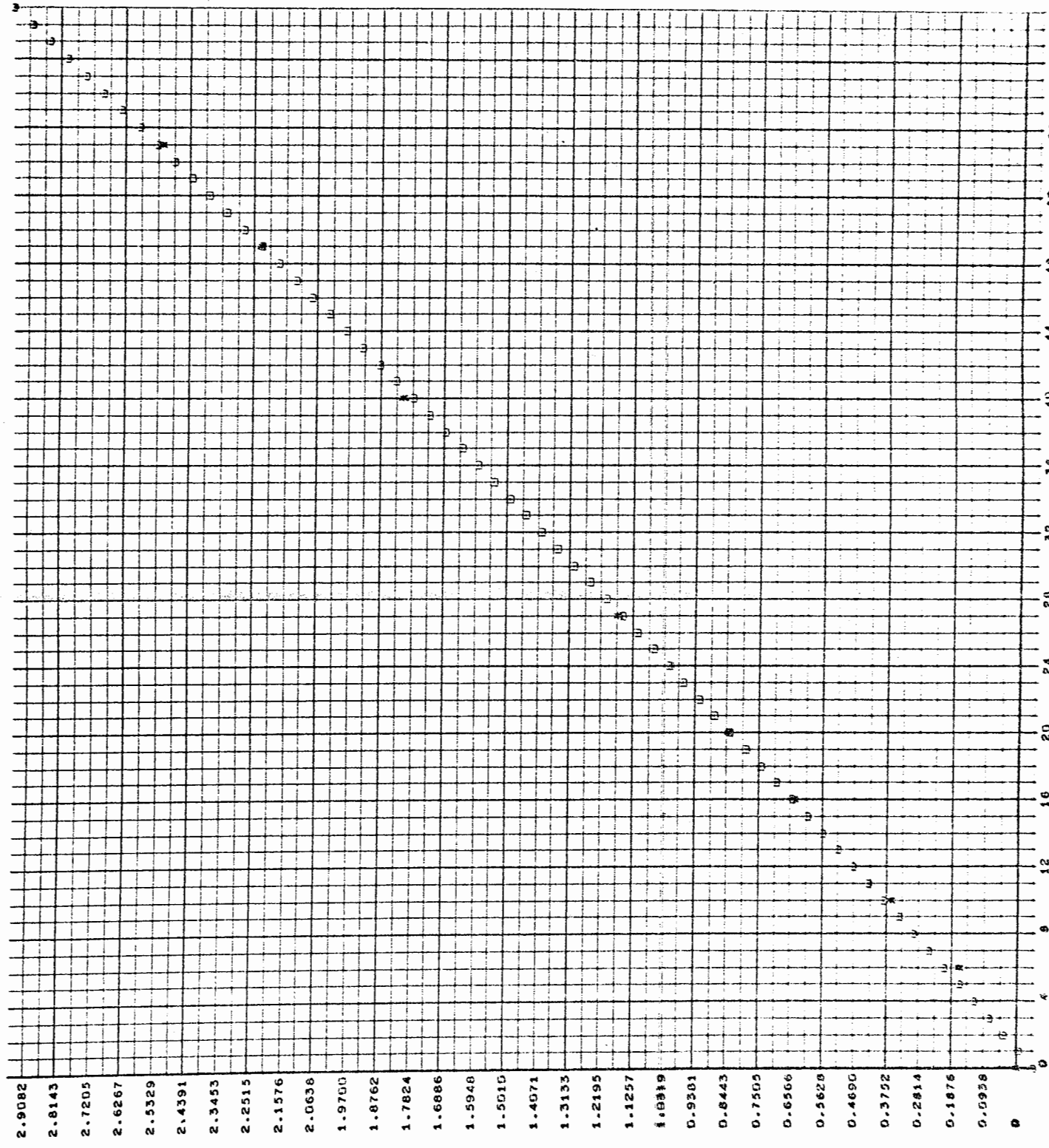
AC -0.49232989E-01 A1 0.42554784E-01 A2 0.80891560E-04

A3 0.60000000E-38 A4 0.00000000E-38 A5 0.00000000E-38

02/11/72

FSHNT1 C-122

SHUNT CURRENT AMPS VS DN



RTG4 CURRENT AMPS VS DN

PRIG41 C-123

02/11/72

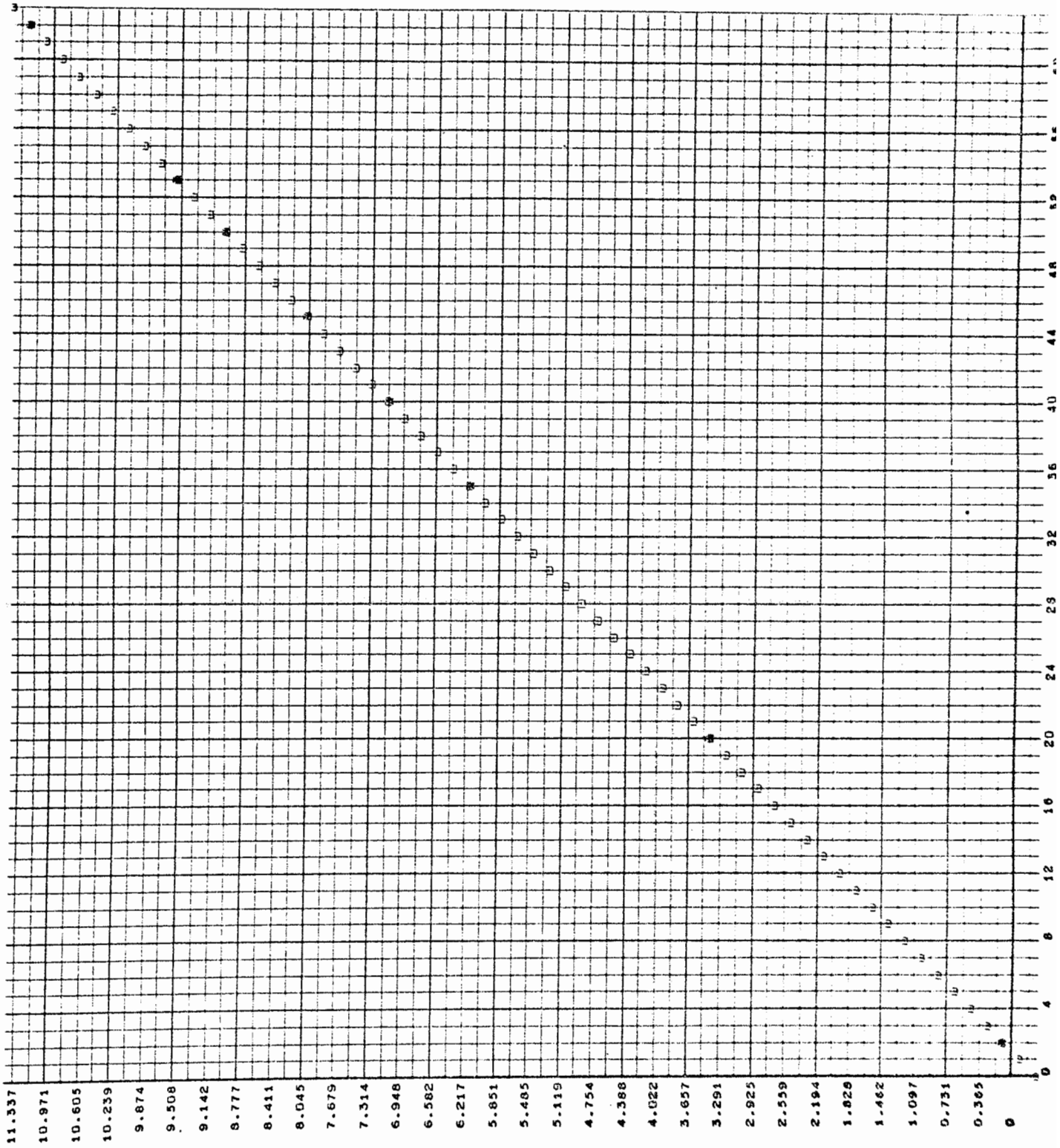
DEC	ENGINEERING UNITS	OCT	DEC	ENGINEERING UNITS	OCT	DN
DN		DN	DN		DN	DN
0	-0.26906	0	32	5.64598	40	
1	-0.08513	1	33	5.83180	41	
2	0.09886	2	34	6.01768	42	
3	0.28291	3	35	6.20361	43	
4	0.46702	4	36	6.38961	44	
5	0.65119	5	37	6.57566	45	
6	0.83541	6	38	6.76177	46	
7	1.01970	7	39	6.94794	47	
8	1.20404	10	40	7.13417	50	
9	1.38844	11	41	7.32046	51	
10	1.57291	12	42	7.50681	52	
11	1.75743	13	43	7.69322	53	
12	1.94201	14	44	7.87968	54	
13	2.12665	15	45	8.06621	55	
14	2.31134	16	46	8.25279	56	
15	2.49610	17	47	8.43943	57	
16	2.68092	20	48	8.62613	60	
17	2.86579	21	49	8.81289	61	
18	3.05072	22	50	8.99971	62	
19	3.23572	23	51	9.18659	63	
20	3.42077	24	52	9.37353	64	
21	3.60588	25	53	9.56052	65	
22	3.79105	26	54	9.74758	66	
23	3.97628	27	55	9.93469	67	
24	4.16156	30	56	10.12187	70	
25	4.34691	31	57	10.30910	71	
26	4.53231	32	58	10.49639	72	
27	4.71778	33	59	10.68374	73	
28	4.90330	34	60	10.87115	74	
29	5.08888	35	61	11.05862	75	
30	5.27452	36	62	11.24614	76	
31	5.46022	37	63	11.43373	77	

A0 -0.26906216E 00 A1 0.18390224E 00 A2 0.29465498E-04
A3 0.00000000E-38 A4 0.00000000E-38 A5 0.00000000E-38

RTG4 CURRENT AMPS VS DN

FR1041 C-123

02/11/72



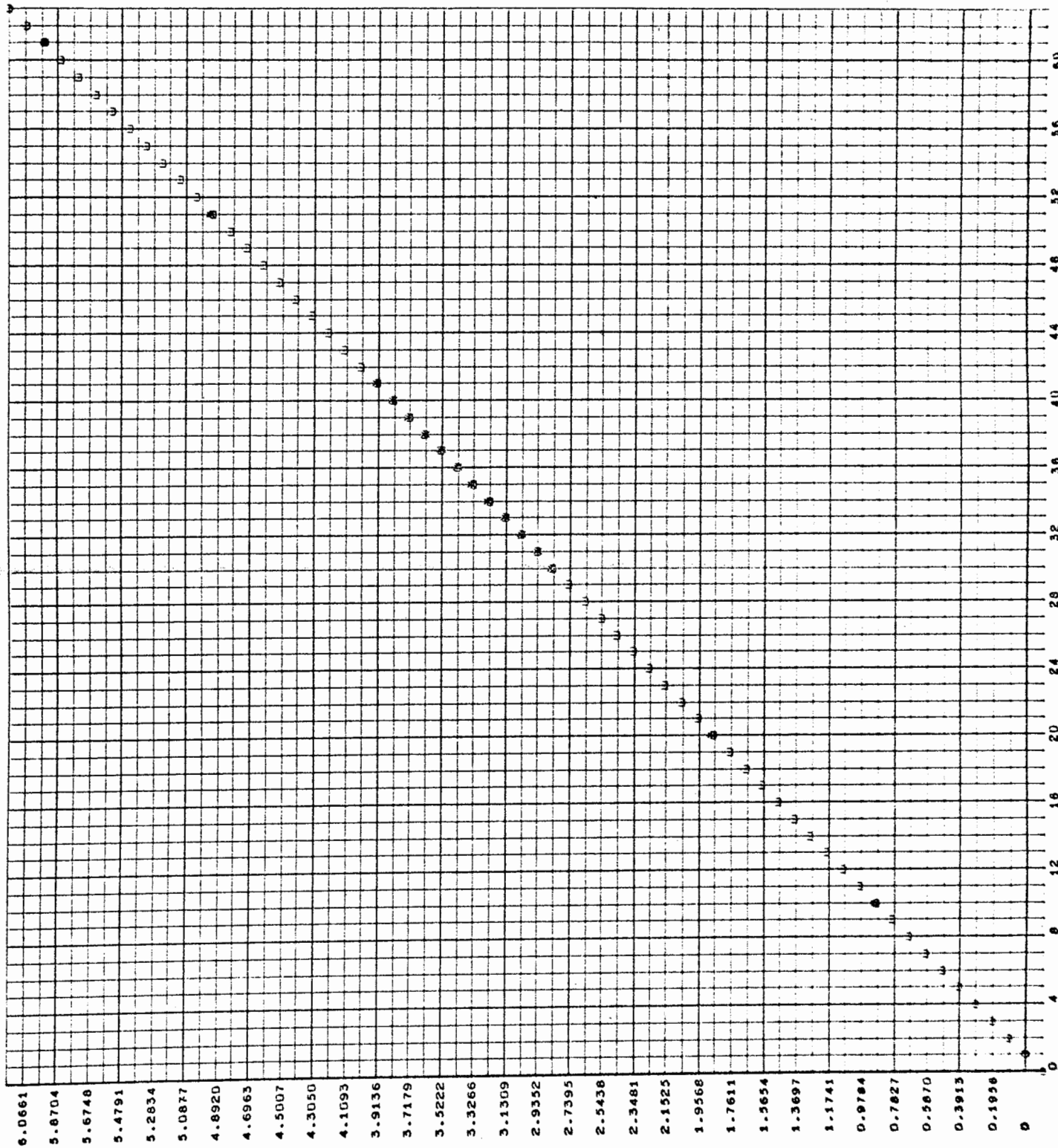
RTG 2 VOLTAGE VS DN

PRTG2V C-125

02/11/72

DEC	ENGINEERING UNITS	OCT	DEC	ENGINEERING UNITS	OCT
DN		DN	DN		DN
C	-0.09692	0	32	3.04366	40
1	0.00326	1	33	3.14144	41
2	0.10321	2	34	3.23931	42
3	0.20294	3	35	3.33729	43
4	0.30245	4	36	3.43539	44
5	0.40176	5	37	3.53360	45
6	0.50087	6	38	3.63196	46
7	0.59580	7	39	3.73046	47
8	0.69856	10	40	3.82911	50
9	0.79716	11	41	3.92794	51
10	0.89560	12	42	4.02694	52
11	0.99391	13	43	4.12612	53
12	1.09208	14	44	4.22551	54
13	1.19013	15	45	4.32510	55
14	1.28806	16	46	4.42490	56
15	1.38590	17	47	4.52494	57
16	1.48365	20	48	4.62522	60
17	1.58131	21	49	4.72574	61
18	1.67891	22	50	4.82652	62
19	1.77645	23	51	4.92757	63
20	1.87393	24	52	5.02890	64
21	1.97138	25	53	5.13053	65
22	2.06880	26	54	5.23245	66
23	2.16620	27	55	5.33468	67
24	2.26359	30	56	5.43723	70
25	2.36099	31	57	5.54011	71
26	2.45839	32	58	5.64333	72
27	2.55582	33	59	5.74691	73
28	2.65328	34	60	5.85085	74
29	2.75079	35	61	5.95515	75
30	2.84834	36	62	6.05985	76
31	2.94597	37	63	6.16493	77

A0	-0.96924142E-01	A1	0.10030523E 00	A2	-0.12237905E-03
A3	0.17130593E-05	A4	0.00000000E-38	A5	0.00000000E-38



BATTERY DISCHARGE CURRENT AMPS VS DN

PDCHGI C-126

02/11/72

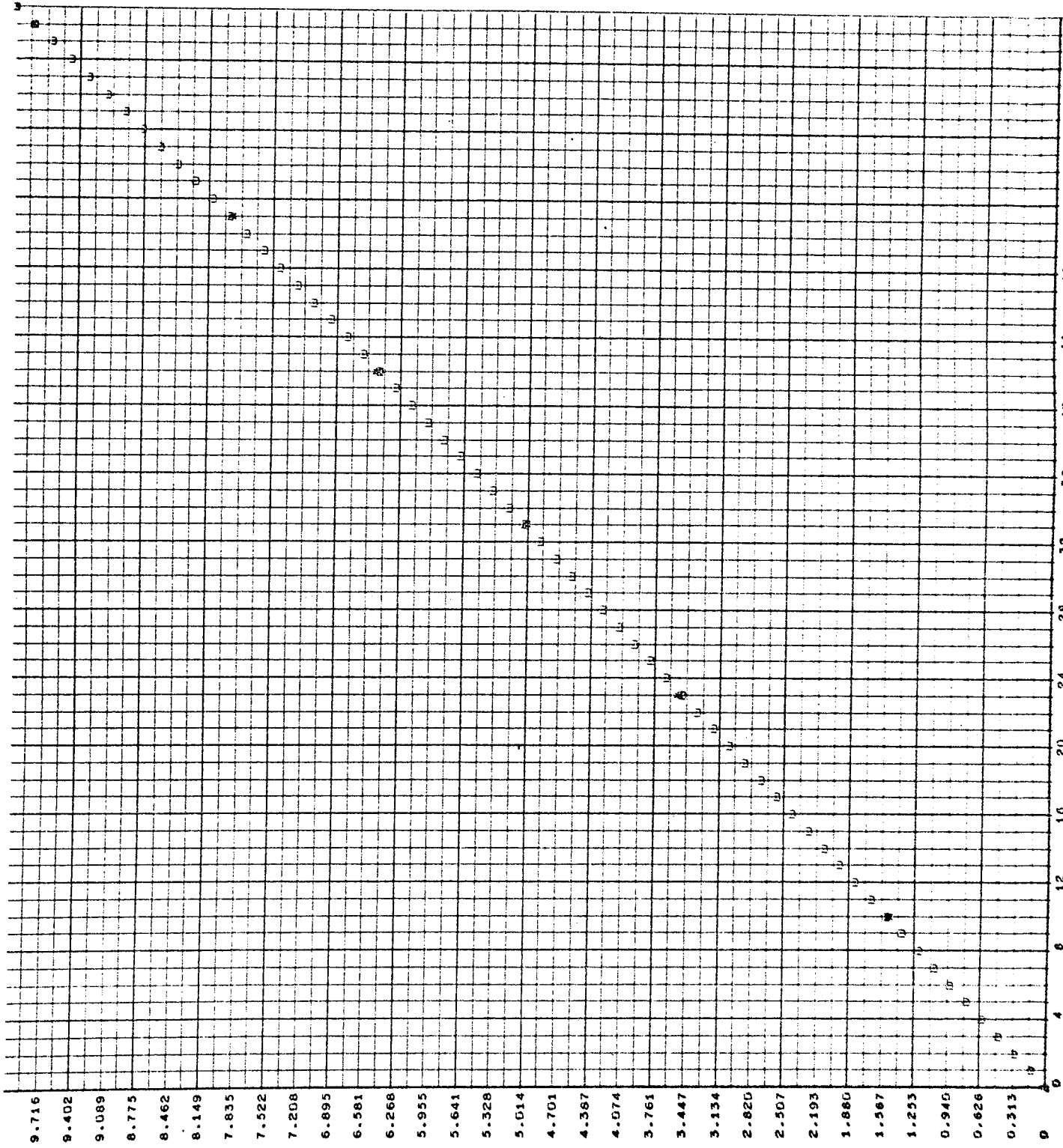
DEC DN	ENGINEERING UNITS	OCT DN	DEC DN	ENGINEERING UNITS	OCT DN
0	-0.00816	0	32	4.89406	40
1	0.14580	1	33	5.05015	41
2	0.29951	2	34	5.20666	42
3	0.45298	3	35	5.36361	43
4	0.60622	4	36	5.52102	44
5	0.75927	5	37	5.67890	45
6	0.91214	6	38	5.83729	46
7	1.06486	7	39	5.99619	47
8	1.21744	10	40	6.15564	50
9	1.36991	11	41	6.31565	51
10	1.52229	12	42	6.47625	52
11	1.67459	13	43	6.63746	53
12	1.82685	14	44	6.79929	54
13	1.97907	15	45	6.96177	55
14	2.13129	16	46	7.12491	56
15	2.28352	17	47	7.28875	57
16	2.43579	20	48	7.45331	60
17	2.58811	21	49	7.61859	61
18	2.74051	22	50	7.78463	62
19	2.89301	23	51	7.95144	63
20	3.04563	24	52	8.11905	64
21	3.19839	25	53	8.28748	65
22	3.35131	26	54	8.45675	66
23	3.50441	27	55	8.62688	67
24	3.65772	30	56	8.79788	70
25	3.81125	31	57	8.96979	71
26	3.96503	32	58	9.14263	72
27	4.11907	33	59	9.31641	73
28	4.27341	34	60	9.49115	74
29	4.42805	35	61	9.66688	75
30	4.58303	36	62	9.84362	76
31	4.73836	37	63	10.02139	77

A0	-0.81633984E-02	A1	0.15410546E 00	A2	-0.14132456E-03
A3	0.35266459E-05	A4	0.00C00000E-38	A5	0.00000000E-38

BATTERY DISCHARGE CURRENT AMPS VS DN

FDCHGI C-126

02/11/72



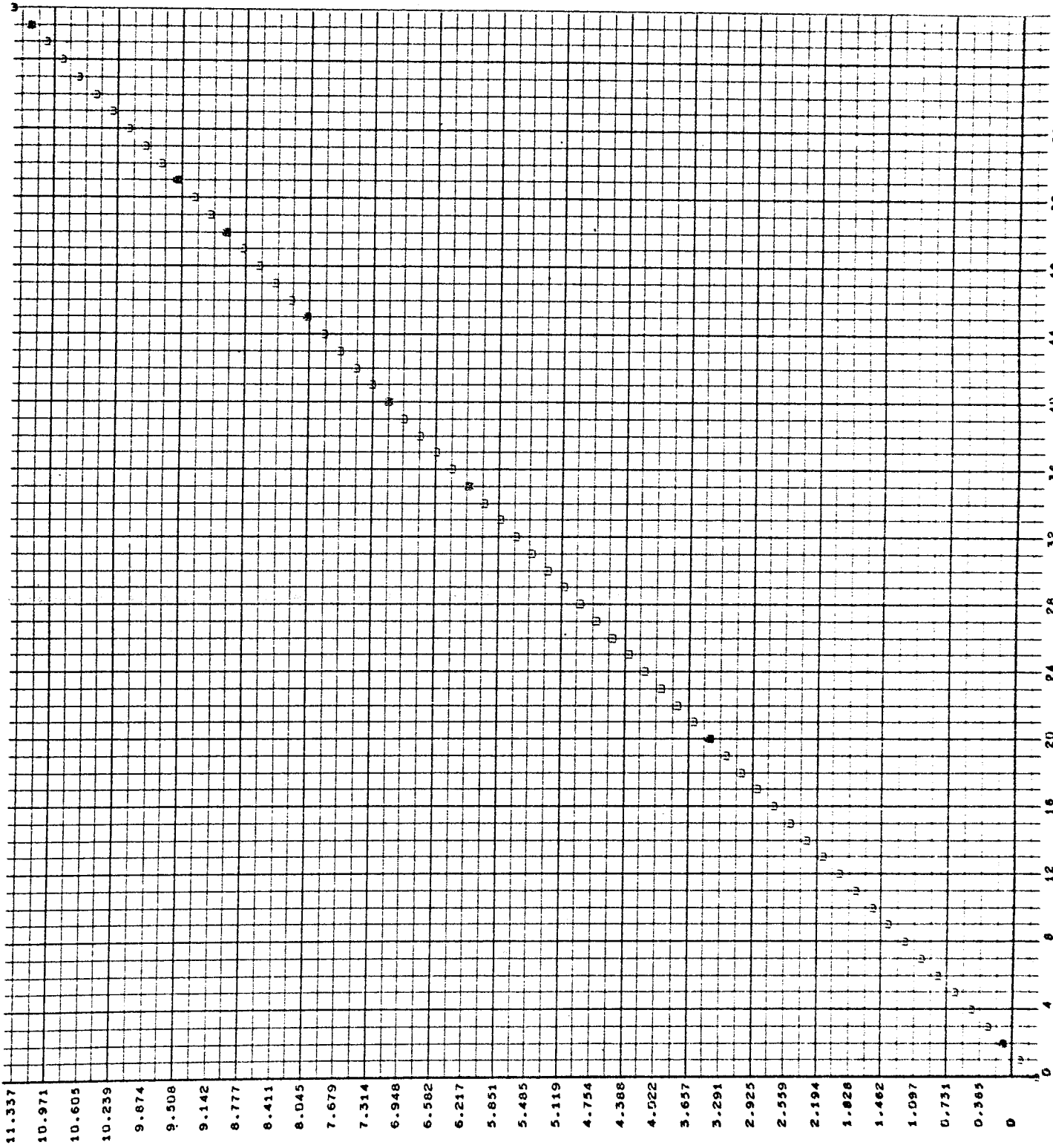
RTG 1 CURRENT AMPS VS DN

PRIGLI C-127

02/11/72

DEC DN	ENGINEERING UNITS	OCT DN	DEC DN	ENGINEERING UNITS	OCT DN
0	-0.26906	0	32	5.64598	40
1	-0.08513	1	33	5.83180	41
2	0.09886	2	34	6.01768	42
3	0.28291	3	35	6.20361	43
4	0.46702	4	36	6.38961	44
5	0.65119	5	37	6.57566	45
6	0.83541	6	38	6.76177	46
7	1.01970	7	39	6.94794	47
8	1.20404	10	40	7.13417	50
9	1.38844	11	41	7.32046	51
10	1.57291	12	42	7.50681	52
11	1.75743	13	43	7.69322	53
12	1.94201	14	44	7.87968	54
13	2.12665	15	45	8.06621	55
14	2.31134	16	46	8.25279	56
15	2.49610	17	47	8.43943	57
16	2.68092	20	48	8.62613	60
17	2.86579	21	49	8.81289	61
18	3.05072	22	50	8.99971	62
19	3.23572	23	51	9.18659	63
20	3.42077	24	52	9.37353	64
21	3.60588	25	53	9.56052	65
22	3.79105	26	54	9.74758	66
23	3.97628	27	55	9.93469	67
24	4.16156	30	56	10.12187	70
25	4.34691	31	57	10.30910	71
26	4.53231	32	58	10.49639	72
27	4.71778	33	59	10.68374	73
28	4.90330	34	60	10.87115	74
29	5.08888	35	61	11.05862	75
30	5.27452	36	62	11.24614	76
31	5.46022	37	63	11.43373	77

A0 -0.26906216E 00 A1 0.18390224E 00 A2 0.29465498E-04
 A3 0.60000000E-38 A4 0.00000000E-38 A5 0.00000000E-38



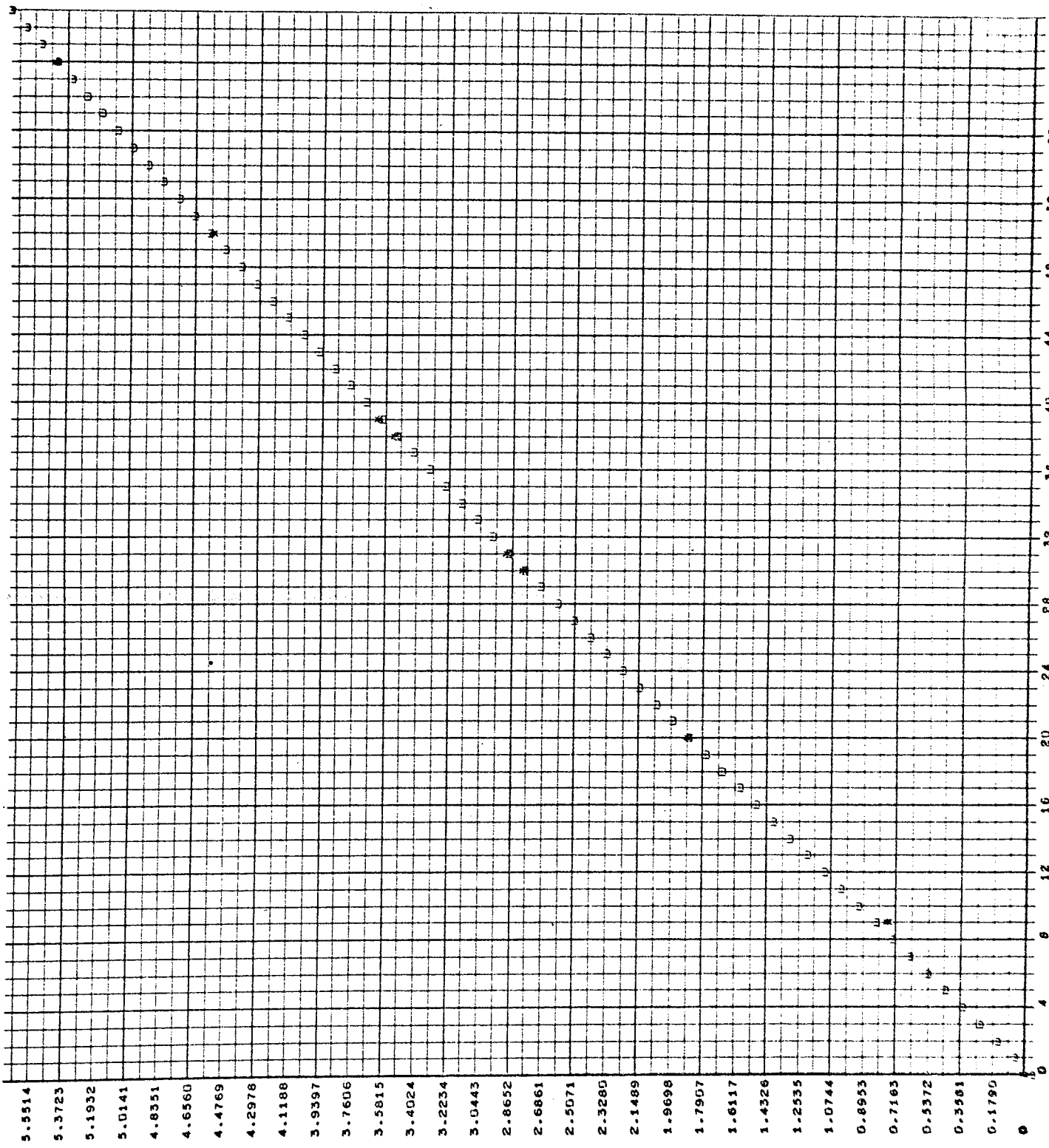
BUS CURRENT AMPS VS DN

PBUSI C-129

02/11/72

DEC	ENGINEERING UNITS	OCT	DEC	ENGINEERING UNITS	OCT
DN		DN	DN		DN
0	-0.04237	0	32	2.97510	40
1	0.05526	1	33	3.06584	41
2	0.15268	2	34	3.15637	42
3	0.24988	3	35	3.24669	43
4	0.34686	4	36	3.33679	44
5	0.44363	5	37	3.42667	45
6	0.54019	6	38	3.51634	46
7	0.63653	7	39	3.60579	47
8	0.73265	10	40	3.69503	50
9	0.82856	11	41	3.78406	51
10	0.92426	12	42	3.87286	52
11	1.01974	13	43	3.96146	53
12	1.11500	14	44	4.04984	54
13	1.21005	15	45	4.13800	55
14	1.30488	16	46	4.22595	56
15	1.39950	17	47	4.31368	57
16	1.49391	20	48	4.40120	60
17	1.58809	21	49	4.48850	61
18	1.68207	22	50	4.57559	62
19	1.77583	23	51	4.66246	63
20	1.86937	24	52	4.74912	64
21	1.96270	25	53	4.83556	65
22	2.05581	26	54	4.92178	66
23	2.14871	27	55	5.00779	67
24	2.24139	30	56	5.09359	70
25	2.33385	31	57	5.17917	71
26	2.42611	32	58	5.26454	72
27	2.51814	33	59	5.34969	73
28	2.60996	34	60	5.43462	74
29	2.70157	35	61	5.51934	75
30	2.79296	36	62	5.60385	76
31	2.88414	37	63	5.68814	77

A0 -0.42370058E-01 A1 0.97738765E-01 A2 -0.10759248E-03
 A3 0.00000000E-38 A4 0.00000000E-38 A5 0.00000000E-38



PROPELLANT TANK TEMPERATURE DEG F VS DN

ANTRIK C-130

02/11/72

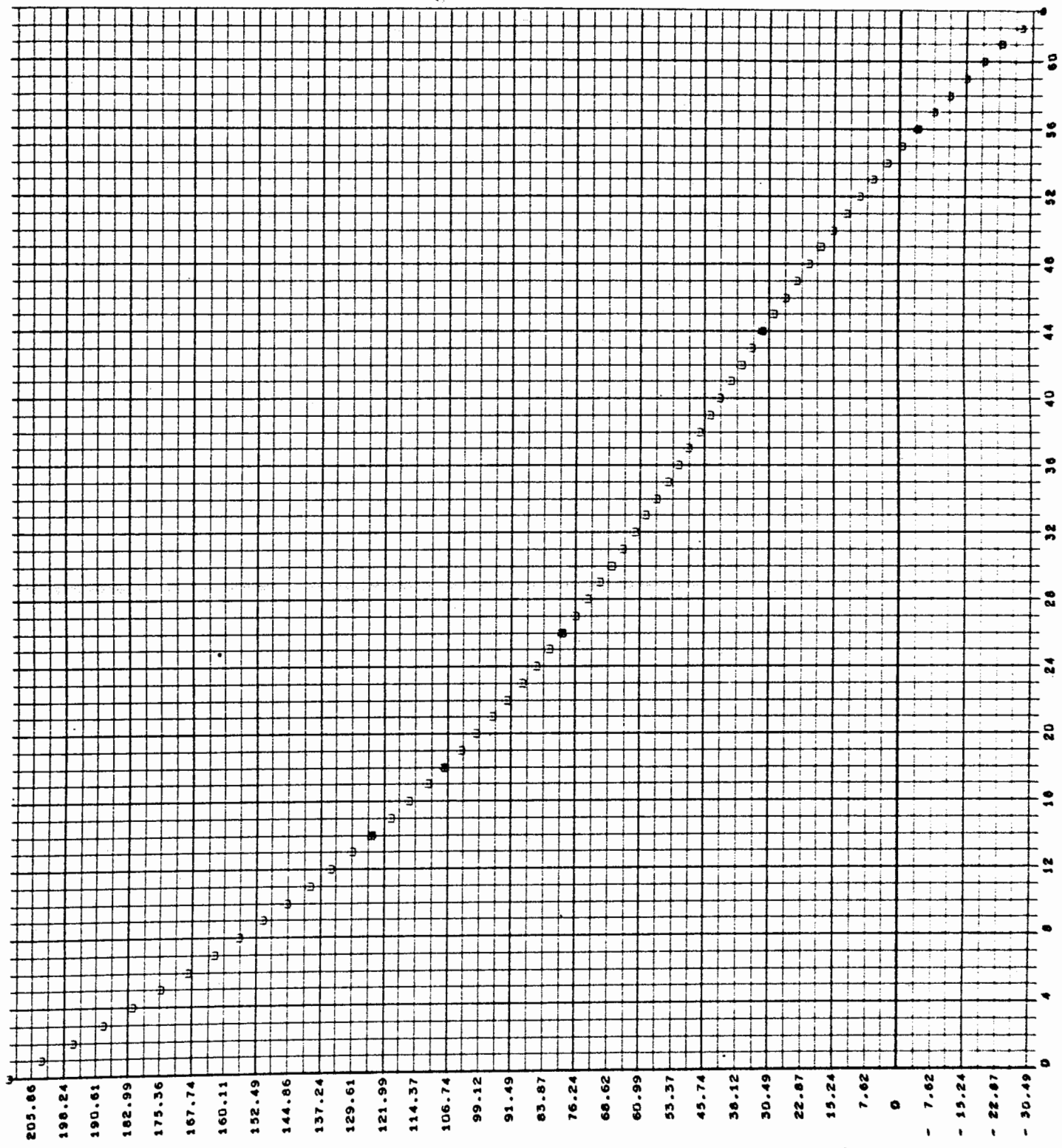
DEC DN	ENGINEERING UNITS	OCT DN	DEC DN	ENGINEERING UNITS	OCT DN
0	211.41744	0	32	62.43561	40
1	203.65869	1	33	59.80840	41
2	196.17256	2	34	57.22204	42
3	188.95183	3	35	54.66928	43
4	181.98923	4	36	52.14289	44
5	175.27754	5	37	49.63562	45
6	168.80550	6	38	47.14022	46
7	162.57788	7	39	44.64945	47
8	156.57543	10	40	42.15608	50
9	150.79490	11	41	39.65284	51
10	145.22906	12	42	37.13252	52
11	139.87067	13	43	34.58785	53
12	134.71247	14	44	32.01160	54
13	129.74722	15	45	29.39652	55
14	124.96769	16	46	26.73538	56
15	120.36662	17	47	24.02092	57
16	115.93678	20	48	21.24590	60
17	111.67093	21	49	18.40309	61
18	107.56181	22	50	15.48524	62
19	103.60219	23	51	12.48509	63
20	99.78482	24	52	9.39543	64
21	96.10246	25	53	6.20898	65
22	92.54787	26	54	2.91853	66
23	89.11380	27	55	-0.48319	67
24	85.79301	30	56	-4.00340	70
25	82.57826	31	57	-7.64936	71
26	79.46231	32	58	-11.42831	72
27	76.43790	33	59	-15.34748	73
28	73.49780	34	60	-19.41414	74
29	70.63476	35	61	-23.63550	75
30	67.84155	36	62	-28.01883	76
31	65.11091	37	63	-32.57136	77

A0	0.21141744E 03	A1	-0.78974835E 01	A2	0.13993651E C0
A3	-0.12071945E-02	A4	0.00000000E-38	A5	0.00000000E-38

02/11/72

ANITRIK C-130

PROPELLANT TANK TEMPERATURE DEG F VS DN



RTG 3 VOLTAGE VOLTS VS DN

PRY3V C-131

02/11/72

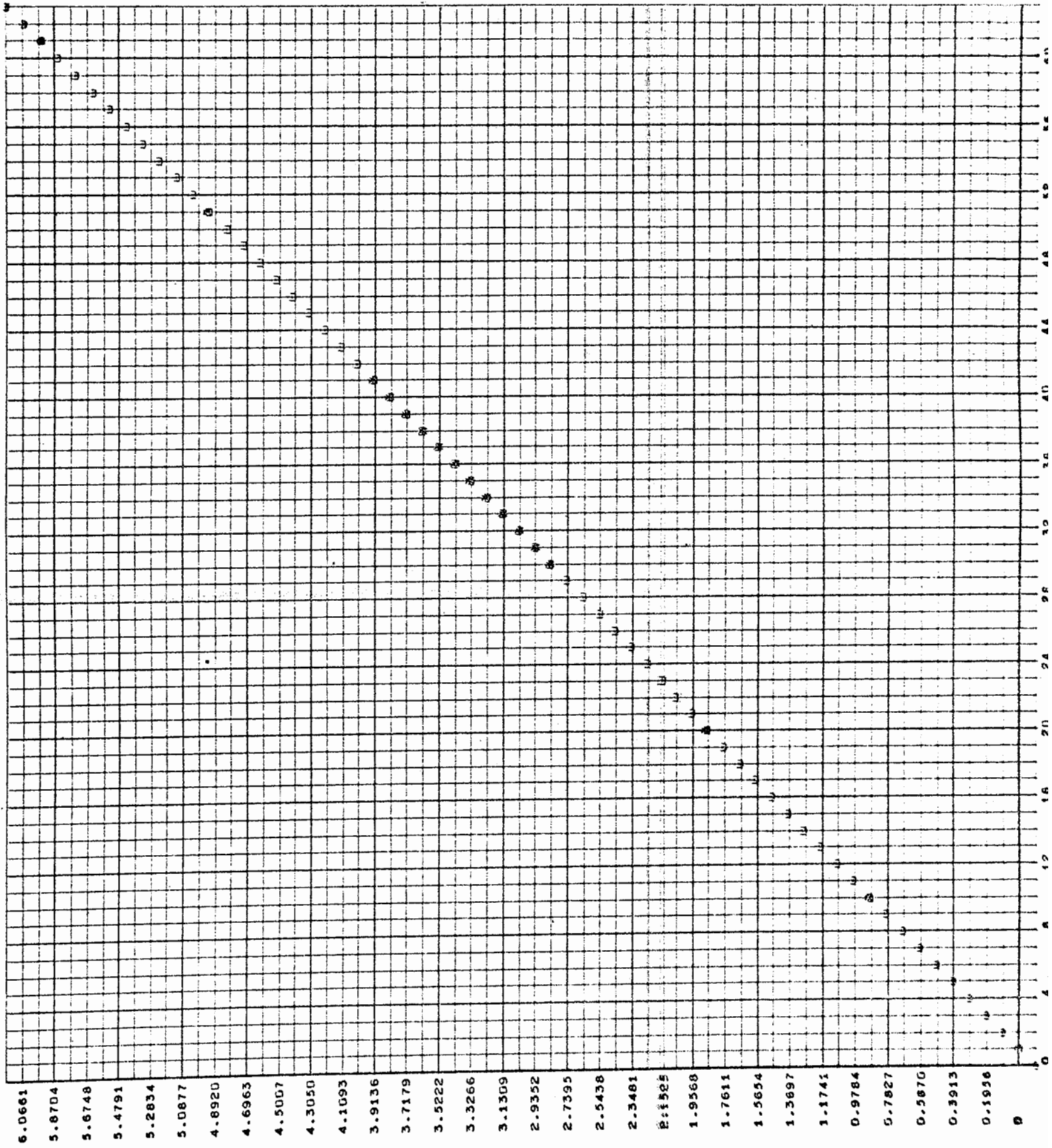
DEC DN	ENGINEERING UNITS	OCT DN	DEC DN	ENGINEERING UNITS	OCT DN
0	-0.09692	0	32	3.04366	40
1	0.00326	1	33	3.14144	41
2	0.10321	2	34	3.23931	42
3	0.20294	3	35	3.33729	43
4	0.30245	4	36	3.43539	44
5	0.40176	5	37	3.53360	45
6	0.50087	6	38	3.63196	46
7	0.59980	7	39	3.73046	47
8	0.69856	10	40	3.82911	50
9	0.79716	11	41	3.92794	51
10	0.89560	12	42	4.02694	52
11	0.99391	13	43	4.12612	53
12	1.09208	14	44	4.22551	54
13	1.19013	15	45	4.32510	55
14	1.28806	16	46	4.42490	56
15	1.38590	17	47	4.52494	57
16	1.48365	20	48	4.62522	60
17	1.58131	21	49	4.72574	61
18	1.67891	22	50	4.82652	62
19	1.77645	23	51	4.92757	63
20	1.87393	24	52	5.02890	64
21	1.97138	25	53	5.13053	65
22	2.06880	26	54	5.23245	66
23	2.16620	27	55	5.33468	67
24	2.26359	30	56	5.43723	70
25	2.36099	31	57	5.54011	71
26	2.45839	32	58	5.64333	72
27	2.55582	33	59	5.74691	73
28	2.65328	34	60	5.85085	74
29	2.75079	35	61	5.95515	75
30	2.84834	36	62	6.05985	76
31	2.94597	37	63	6.16493	77

A0	-0.96924142E-01	A1	0.10030523E 00	A2	-0.12237905E-03
A3	0.17130593E-05	A4	0.00000000E-38	A5	0.00000000E-38

02/11/72

FRIG3V C-131

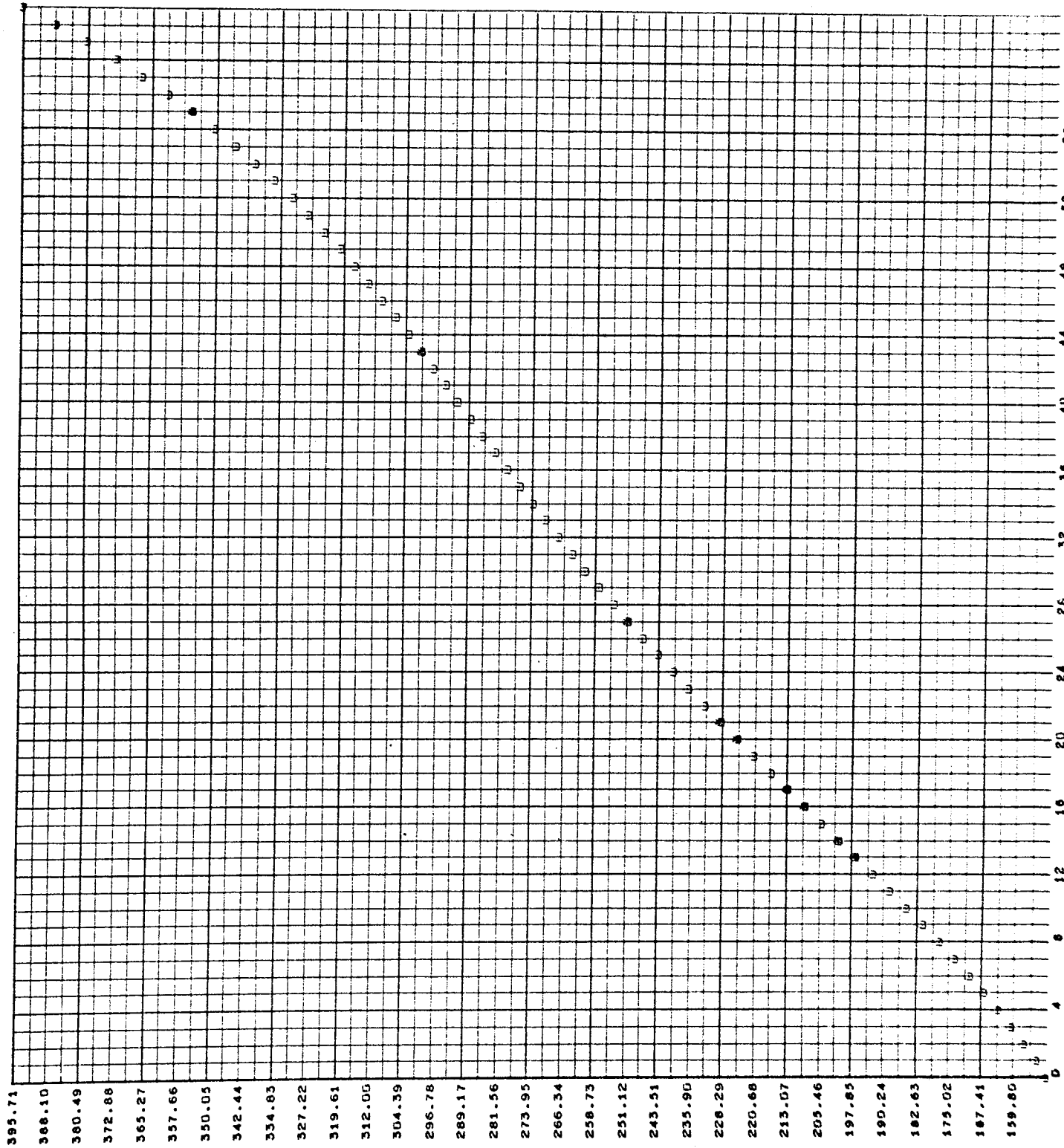
FIG 3 VOLTAGE VOLTS VS DN



RTG 1 FIN RCOT TEMPERATURE DEG F VS DN PRIGIFRT C-201 02/11/72

DEC DN	ENGINEERING UNITS	OCT DN	DEC DN	ENGINEERING UNITS	OCT DN
0	152.40860	0	32	267.76475	40
1	154.85753	1	33	270.92765	41
2	157.54537	2	34	274.03968	42
3	160.44921	3	35	277.10654	43
4	163.54703	4	36	280.13483	44
5	166.81769	5	37	283.13204	45
6	170.24097	6	38	286.10654	46
7	173.79751	7	39	289.06763	47
8	177.46888	10	40	292.02546	50
9	181.23753	11	41	294.99111	51
10	185.08679	12	42	297.97653	52
11	189.00090	13	43	300.99458	53
12	192.96499	14	44	304.05902	54
13	196.96510	15	45	307.18447	55
14	200.98813	16	46	310.38649	56
15	205.02191	17	47	313.68151	57
16	209.05514	20	48	317.08684	60
17	213.07742	21	49	320.62071	61
18	217.07926	22	50	324.30225	62
19	221.05204	23	51	328.15144	63
20	224.98805	24	52	332.18921	64
21	228.88046	25	53	336.43733	65
22	232.72336	26	54	340.91852	66
23	236.51172	27	55	345.65636	67
24	240.24139	30	56	350.67532	70
25	243.90913	31	57	356.00078	71
26	247.51259	32	58	361.65902	72
27	251.05032	33	59	367.67719	73
28	254.52177	34	60	374.08335	74
29	257.92726	35	61	380.90647	75
30	261.26802	36	62	388.17637	76
31	264.54618	37	63	395.92382	77

A0 0.1524086E 03 A1 0.23216086E 01 A2 0.13132645E 00
A3 -0.40431727E-02 A4 0.37262988E-04 A5 0.0000000E-38



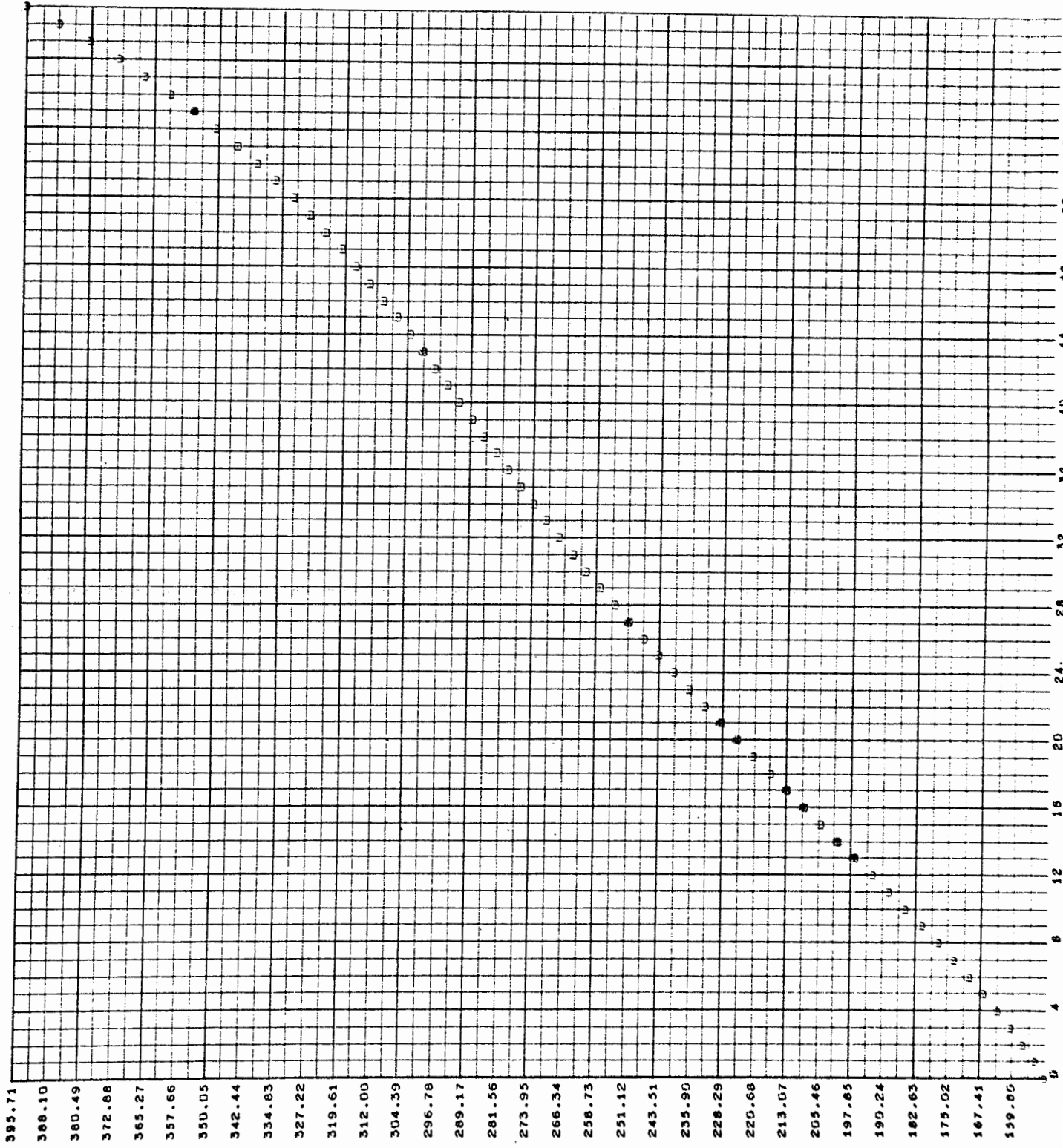
RTG 2 FIN RCOT TEMPERATURE DEG F VS DN

PRTG2FR1 C-202

02/11/72

DEC	ENGINEERING UNITS	OCT	DN	DEC	ENGINEERING UNITS	OCT	DN
0	152.40860	0		32	267.76475	40	
1	154.85753	1		33	270.92765	41	
2	157.54537	2		34	274.03968	42	
3	160.44921	3		35	277.10654	43	
4	163.54703	4		36	280.13483	44	
5	166.81769	5		37	283.13204	45	
6	170.24097	6		38	286.10654	46	
7	173.79751	7		39	289.06763	47	
8	177.46888	10		40	292.02546	50	
9	181.23753	11		41	294.99111	51	
10	185.08679	12		42	297.97653	52	
11	189.00090	13		43	300.99458	53	
12	192.96499	14		44	304.05902	54	
13	196.96510	15		45	307.18447	55	
14	200.98813	16		46	310.38649	56	
15	205.02191	17		47	313.68151	57	
16	209.05514	20		48	317.08684	60	
17	213.07742	21		49	320.62071	61	
18	217.07926	22		50	324.30225	62	
19	221.05204	23		51	328.15144	63	
20	224.98805	24		52	332.18921	64	
21	228.88046	25		53	336.43733	65	
22	232.72336	26		54	340.91852	66	
23	236.51172	27		55	345.65636	67	
24	240.24139	30		56	350.67532	70	
25	243.90913	31		57	356.00078	71	
26	247.51259	32		58	361.65902	72	
27	251.05032	33		59	367.67719	73	
28	254.52177	34		60	374.08335	74	
29	257.92726	35		61	380.90647	75	
30	261.26802	36		62	388.17637	76	
31	264.54618	37		63	395.92382	77	

A0 0.15240860E 03 A1 0.23216086E 01 A2 0.13132645E 00
 A3 -0.40431727E-02 A4 0.37262988E-04 A5 0.0000000E-38



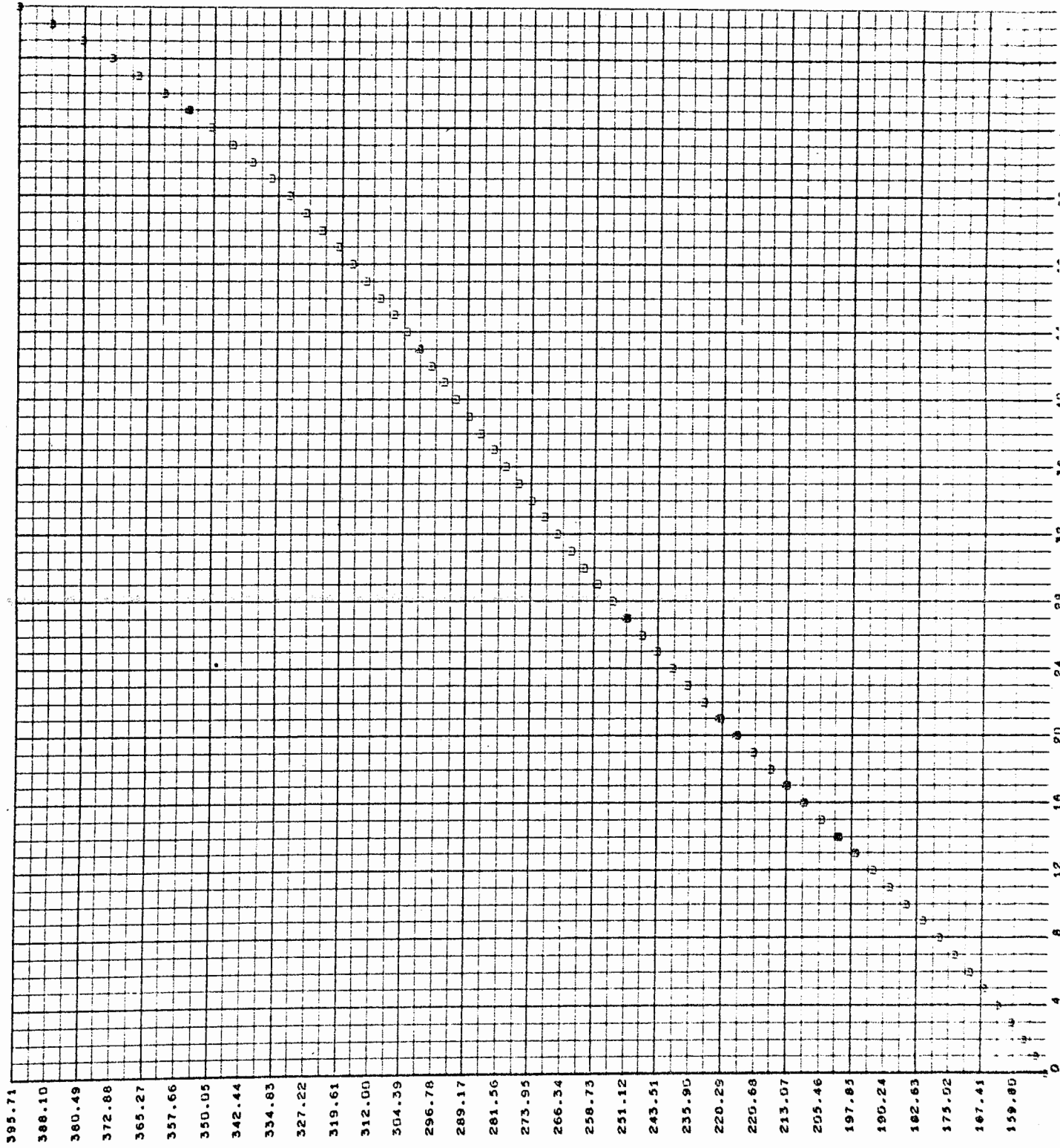
RTG 3 FIN ROOT TEMPERATURE DEG F VS DN

PRIG3FRT C-203

02/11/72

DEC DN	ENGINEERING UNITS	OCT DN	DEC DN	ENGINEERING UNITS	OCT DN
0	152.40860	0	32	267.76475	40
1	154.85753	1	33	270.92765	41
2	157.54537	2	34	274.03968	42
3	160.44921	3	35	277.10654	43
4	163.54703	4	36	280.13483	44
5	166.81769	5	37	283.13204	45
6	170.24097	6	38	286.10654	46
7	173.79751	7	39	289.06763	47
8	177.46888	10	40	292.02546	50
9	181.23753	11	41	294.99111	51
10	185.08679	12	42	297.97653	52
11	189.00090	13	43	300.99458	53
12	192.96499	14	44	304.05902	54
13	196.96510	15	45	307.18447	55
14	200.98813	16	46	310.38649	56
15	205.02191	17	47	313.68151	57
16	209.05514	20	48	317.08684	60
17	213.07742	21	49	320.62071	61
18	217.07926	22	50	324.30225	62
19	221.05204	23	51	328.15144	63
20	224.98805	24	52	332.18921	64
21	228.88046	25	53	336.43733	65
22	232.72336	26	54	340.91852	66
23	236.51172	27	55	345.65636	67
24	240.24139	30	56	350.67532	70
25	243.90913	31	57	356.00078	71
26	247.51259	32	58	361.65902	72
27	251.05032	33	59	367.67719	73
28	254.52177	34	60	374.08335	74
29	257.92726	35	61	380.90647	75
30	261.26802	36	62	388.17637	76
31	264.54618	37	63	395.92382	77

A0 0.15240860E 03 A1 0.23216086E 01 A2 0.13132645E C0
A3 -0.40431727E-02 A4 0.37262988E-04 A5 0.0000000E-38



RTG 4 FIN ROOT TEMPERATURE DEG F VS DN PRTG4FRT C-204 02/11/72

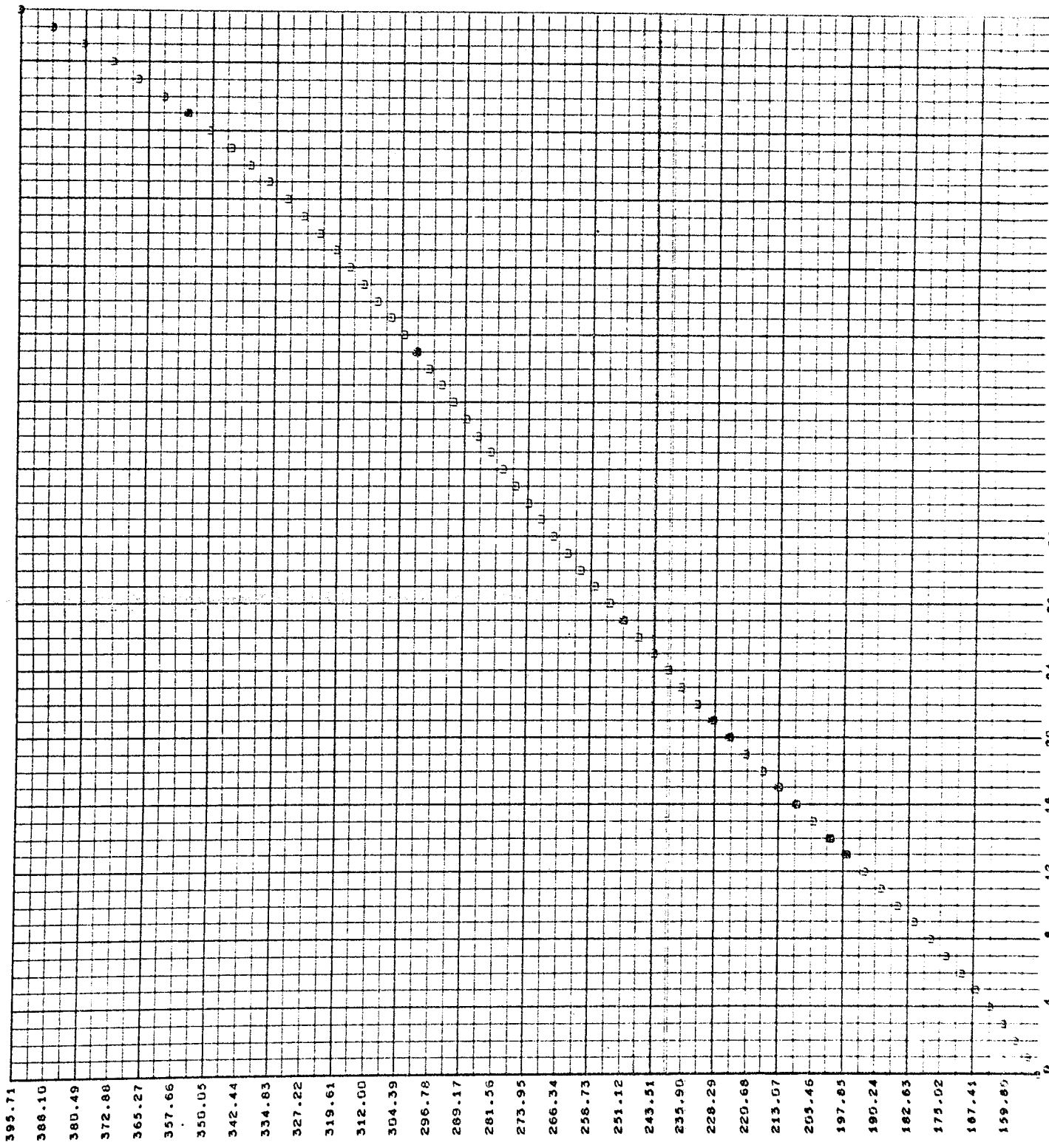
DEC DN	ENGINEERING UNITS	OCT DN	DEC DN	ENGINEERING UNITS	OCT DN
0	152.40860	0	32	267.76475	40
1	154.85753	1	33	270.92765	41
2	157.54537	2	34	274.03968	42
3	160.44921	3	35	277.10654	43
4	163.54703	4	36	280.13483	44
5	166.81769	5	37	283.13204	45
6	170.24097	6	38	286.10654	46
7	173.79751	7	39	289.06763	47
8	177.46888	10	40	292.02546	50
9	181.23753	11	41	294.99111	51
10	185.08679	12	42	297.97653	52
11	189.00090	13	43	300.99458	53
12	192.96499	14	44	304.05902	54
13	196.96510	15	45	307.18447	55
14	200.98813	16	46	310.38649	56
15	205.02191	17	47	313.68151	57
16	209.05514	20	48	317.08684	60
17	213.07742	21	49	320.62071	61
18	217.07926	22	50	324.30225	62
19	221.05204	23	51	328.15144	63
20	224.98805	24	52	332.18921	64
21	228.88046	25	53	336.43733	65
22	232.72336	26	54	340.91852	66
23	236.51172	27	55	345.65636	67
24	240.24139	30	56	350.67532	70
25	243.90913	31	57	356.00078	71
26	247.51259	32	58	361.65902	72
27	251.05032	33	59	367.67719	73
28	254.52177	34	60	374.08335	74
29	257.92726	35	61	380.90647	75
30	261.26802	36	62	388.17637	76
31	264.54618	37	63	395.92382	77

A0 0.15240860E 03 A1 0.23216086E C1 A2 0.13132645E C0
A3 -0.40431727E-02 A4 0.37262988E-04 A5 0.00000000E-38

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FRTG4FRT C-2U4

RTG 4 FIN ROOT TEMPERATURE DEG F VS DN



TWTA I TEMPERATURE DEG F VS DN RTWTAT C-205 02/11/72

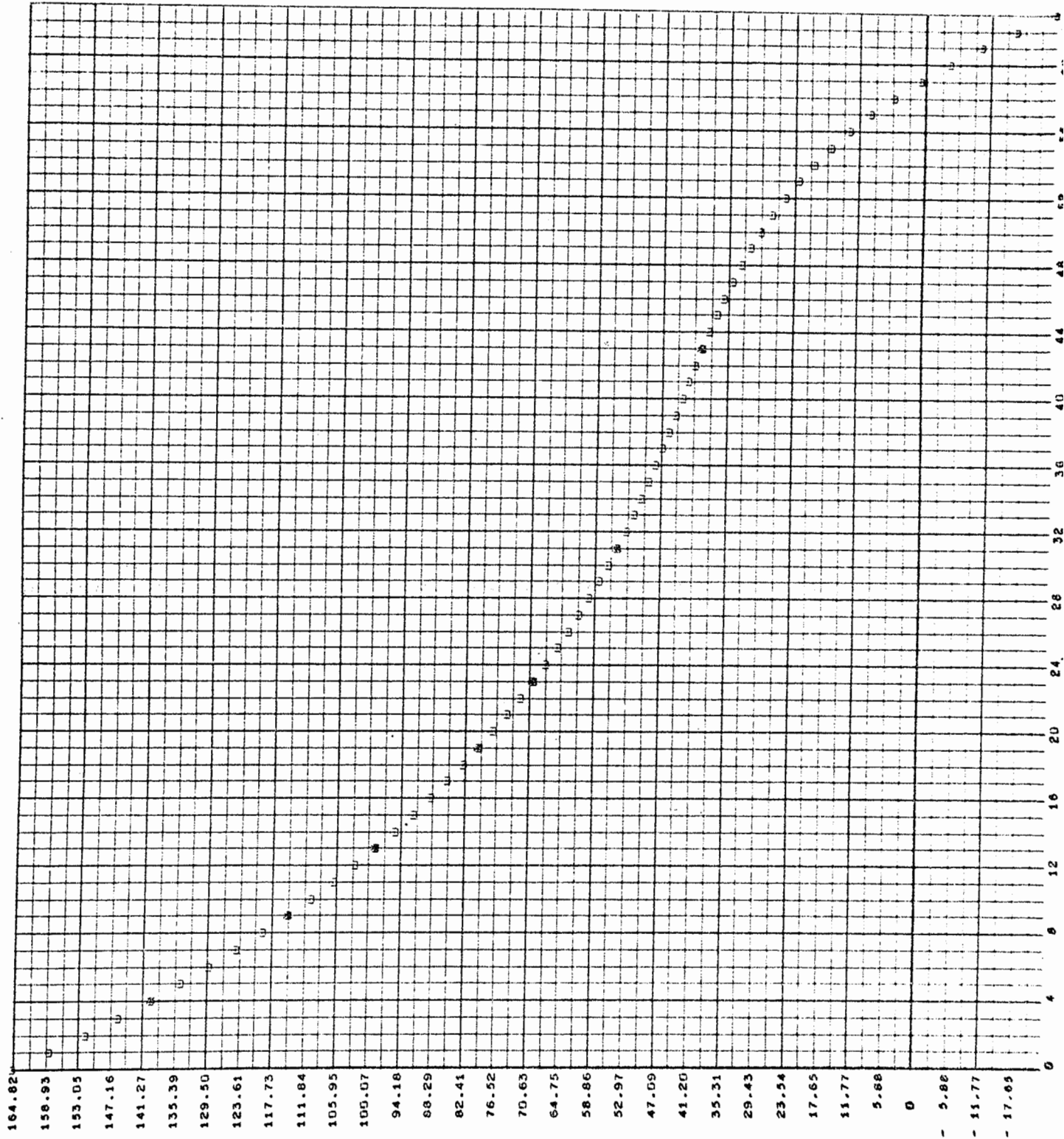
DEC DN	ENGINEERING UNITS	OCT DN	DEC DN	ENGINEERING UNITS	OCT DN
0	165.28435	0	32	53.50953	40
1	158.44016	1	33	52.08813	41
2	151.96032	2	34	50.72962	42
3	145.82101	3	35	49.42737	43
4	140.00008	4	36	48.17416	44
5	134.47690	5	37	46.96202	45
6	129.23237	6	38	45.78223	46
7	124.24880	7	39	44.62521	47
8	119.50987	10	40	43.48048	50
9	115.00054	11	41	42.33653	51
10	110.70697	12	42	41.18082	52
11	106.61647	13	43	39.99968	53
12	102.71742	14	44	38.77821	54
13	98.99921	15	45	37.50027	55
14	95.45214	16	46	36.14834	56
15	92.06739	17	47	34.70350	57
16	88.83690	20	48	33.14533	60
17	85.75334	21	49	31.45189	61
18	82.81003	22	50	29.59955	62
19	80.00086	23	51	27.56302	63
20	77.32021	24	52	25.31524	64
21	74.76290	25	53	22.82727	65
22	72.32411	26	54	20.06829	66
23	69.99932	27	55	17.00548	67
24	67.78420	30	56	13.60398	70
25	65.67459	31	57	9.82675	71
26	63.66639	32	58	5.63464	72
27	61.75553	33	59	0.98613	73
28	59.93785	34	60	-4.16255	74
29	58.20906	35	61	-9.85764	75
30	56.56465	36	62	-16.14786	76
31	54.99985	37	63	-23.08446	77

A0 0.16528435E 03 A1 -0.70347342E 01 A2 0.19486505E 00
A3 -0.43996310E-02 A4 0.74231380E-04 A5 -0.59232952E-06

IWIA 1 TEMPERATURE DEG F VS DN

RTWTAT C-255

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02/11/72

C-206

RDRVAT

DRIVER I TEMPERATURE DEG F VS DN

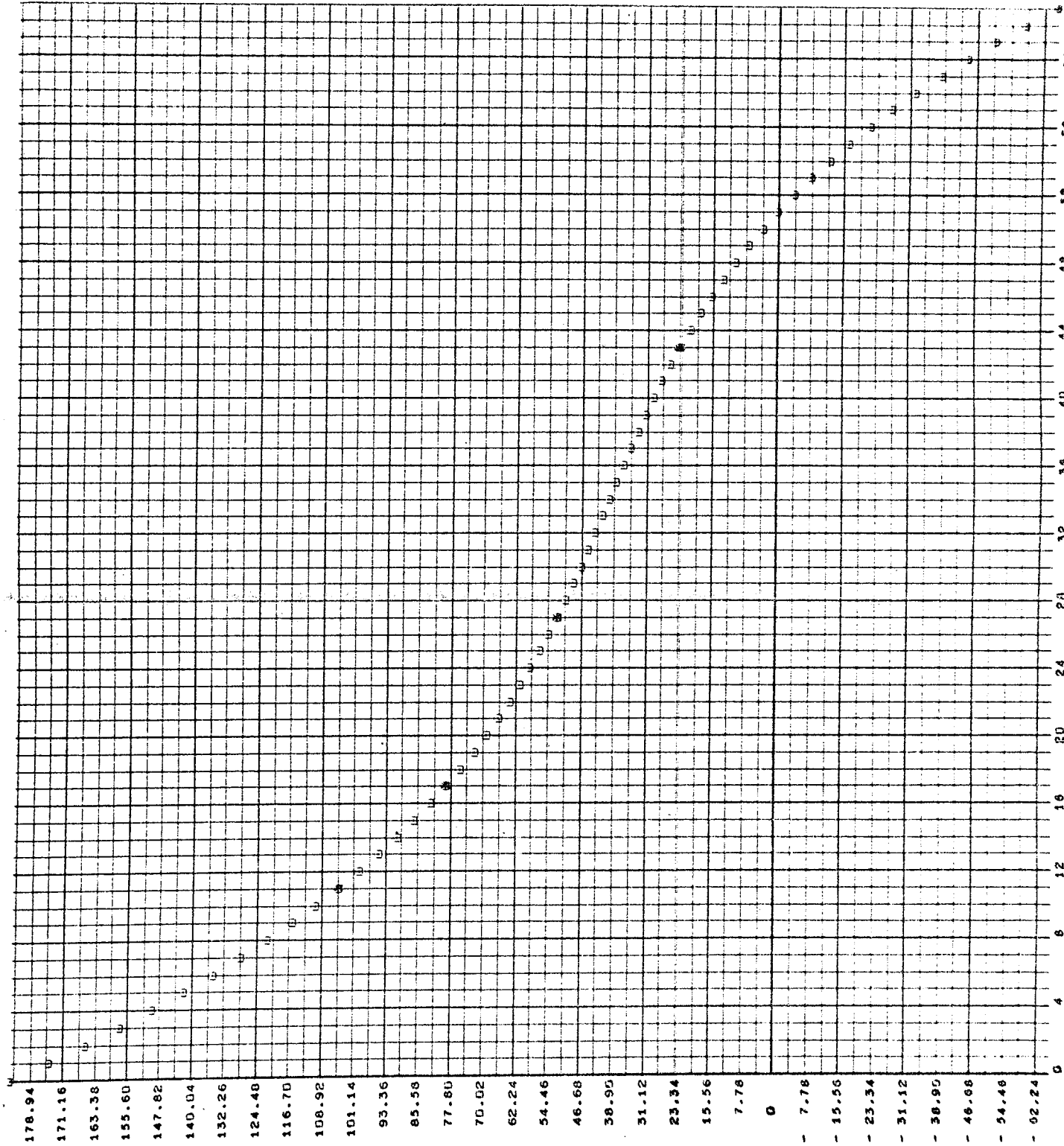
DEC DN	ENGINEERING UNITS	GCT DN	DEC DN	ENGINEERING UNITS	GCT DN
0	183.85815	0	32	43.54781	40
1	174.65625	1	33	41.88221	41
2	165.90200	2	34	40.22629	42
3	157.58173	3	35	38.56635	43
4	149.68174	4	36	36.88871	44
5	142.18834	5	37	35.17969	45
6	135.08785	6	38	33.42559	46
7	128.36659	7	39	31.61274	47
8	122.01085	10	40	29.72744	50
9	116.00697	11	41	27.75601	51
10	110.34125	12	42	25.68476	52
11	105.00000	13	43	23.50000	53
12	99.96954	14	44	21.18805	54
13	95.23618	15	45	18.73522	55
14	90.78623	16	46	16.12782	56
15	86.60601	17	47	13.35217	57
16	82.68183	20	48	10.39457	60
17	79.00000	21	49	7.24135	61
18	75.54684	22	50	3.87881	62
19	72.30865	23	51	0.29327	63
20	69.27176	24	52	-3.52896	64
21	66.42248	25	53	-7.60156	65
22	63.74711	26	54	-11.93823	66
23	61.23197	27	55	-16.55264	67
24	58.86338	30	56	-21.45849	70
25	56.62764	31	57	-26.66947	71
26	54.51108	32	58	-32.19925	72
27	52.50000	33	59	-38.06154	73
28	50.58072	34	60	-44.27000	74
29	48.73954	35	61	-50.83834	75
30	46.96279	36	62	-57.78024	76
31	45.23678	37	63	-65.10938	77

A0	0.18385815E 03	A1	-0.94302909E 01	A2	0.23067157E C0
A3	-0.22811498E-02	A4	0.00000000E-38	A5	0.00000000E-38

02/11/72

RDRVAT C-236

DRIVER 1 TEMPERATURE DEG F VS DN



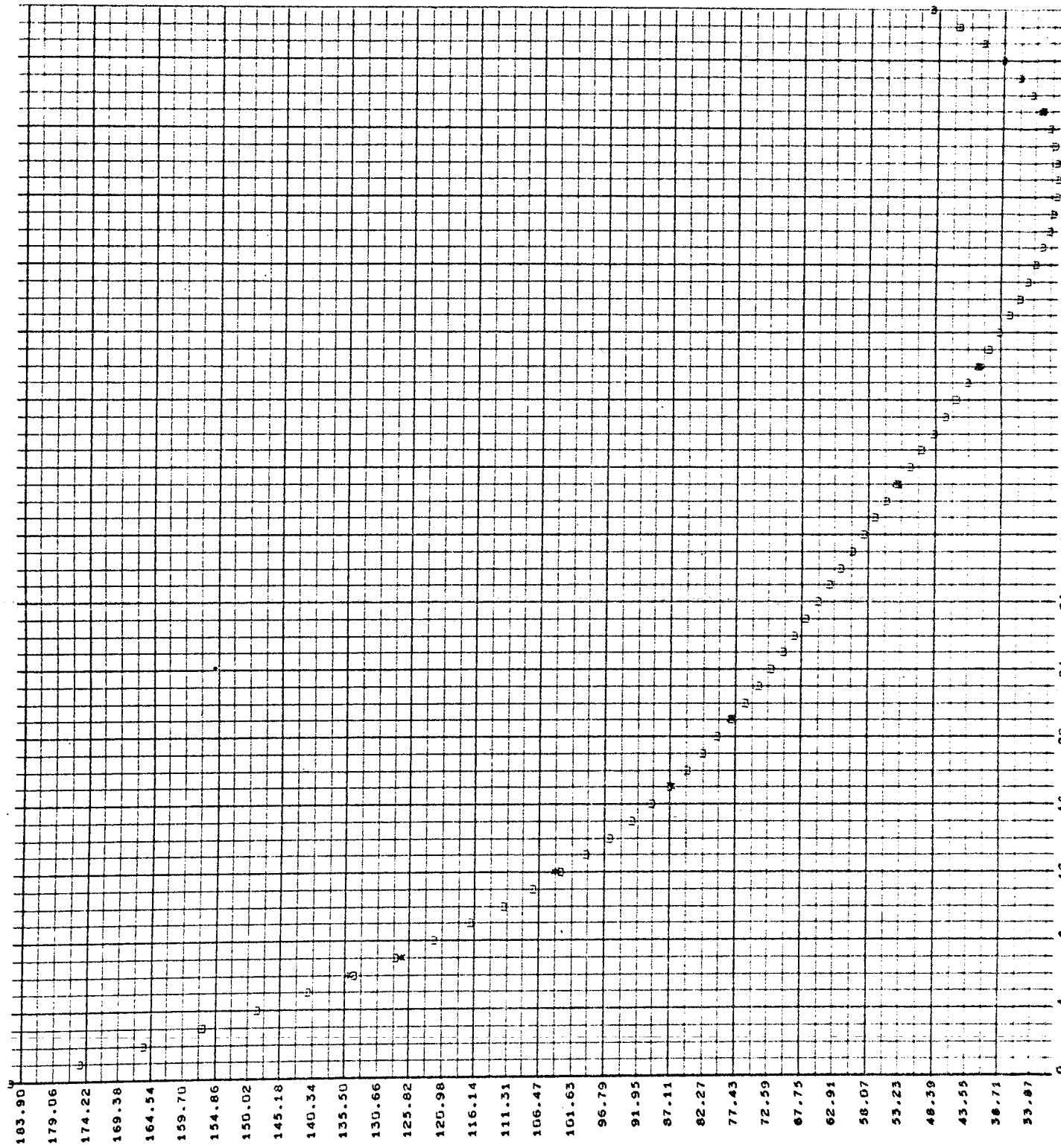
TWTA 1 CONVERTER TEMPERATURE DEG F VS DN

RIACONT C-207

02/11/72

DEC DN	ENGINEERING UNITS	OCT DN	DEC DN	ENGINEERING UNITS	OCT DN
0	185.49866	0	32	58.90693	40
1	175.16892	1	33	57.23959	41
2	165.62220	2	34	55.56177	42
3	156.81041	3	35	53.87342	43
4	148.68701	4	36	52.17603	44
5	141.20694	5	37	50.47257	45
6	134.32662	6	38	48.76750	46
7	128.00402	7	39	47.06680	47
8	122.19856	10	40	45.37794	50
9	116.87120	11	41	43.70990	51
10	111.98438	12	42	42.07315	52
11	107.50205	13	43	40.47968	53
12	103.38964	14	44	38.94296	54
13	99.61412	15	45	37.47797	55
14	96.14393	16	46	36.10118	56
15	92.94901	17	47	34.83059	57
16	90.00083	20	48	33.68567	60
17	87.27233	21	49	32.68740	61
18	84.73796	22	50	31.85827	62
19	82.37369	23	51	31.22226	63
20	80.15695	24	52	30.80486	64
21	78.06672	25	53	30.63307	65
22	76.08344	26	54	30.73535	66
23	74.18908	27	55	31.14171	67
24	72.36708	30	56	31.88364	70
25	70.60243	31	57	32.99410	71
26	68.88156	32	58	34.50761	72
27	67.19245	33	59	36.46018	73
28	65.52455	34	60	38.88926	74
29	63.86884	35	61	41.83388	75
30	62.21777	36	62	45.33451	76
31	60.56531	37	63	49.43315	77

A0 0.18549866E 03 A1 -0.10737632E 02 A2 0.41622167E 00
 A3 -0.83855249E-02 A4 0.62540424E-04 A5 0.00000000E-38



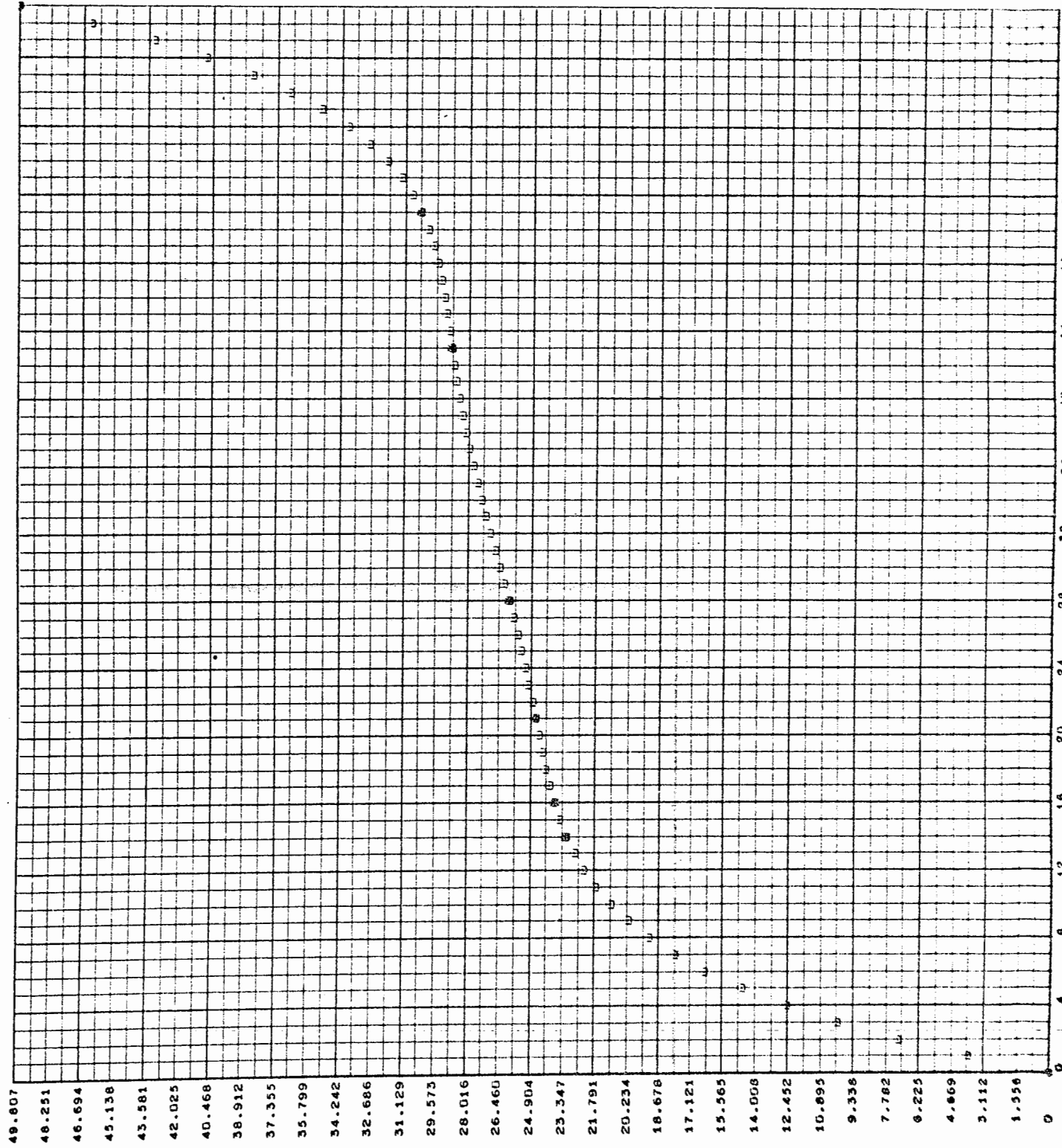
TWTA 1 CATHODE CURRENT MA VS DN

RTACATI C-208

02/11/72

DEC	ENGINEERING UNITS	OCT	DEC	ENGINEERING UNITS	OCT
DN		DN	DN		DN
0	0.C0C030	0	32	26.92334	40
1	3.85128	1	33	27.15143	41
2	7.18740	2	34	27.37381	42
3	10.06233	3	35	27.58792	43
4	12.52607	4	36	27.79151	44
5	14.62508	5	37	27.98274	45
6	16.40239	6	38	28.16028	46
7	17.89773	7	39	28.32347	47
8	19.14765	10	40	28.47239	50
9	20.18565	11	41	28.60809	51
10	21.04229	12	42	28.73258	52
11	21.74533	13	43	28.84904	53
12	22.31985	14	44	28.96193	54
13	22.78836	15	45	29.07710	55
14	23.17094	16	46	29.20191	56
15	23.48534	17	47	29.34537	57
16	23.74716	20	48	29.51825	60
17	23.96989	21	49	29.73321	61
18	24.16511	22	50	30.00494	62
19	24.34256	23	51	30.35024	63
20	24.51029	24	52	30.78819	64
21	24.67480	25	53	31.34023	65
22	24.84111	26	54	32.03034	66
23	25.01294	27	55	32.88511	67
24	25.19279	30	56	33.93387	70
25	25.38209	31	57	35.20888	71
26	25.58134	32	58	36.74534	72
27	25.79017	33	59	38.58162	73
28	26.00753	34	60	40.75929	74
29	26.23178	35	61	43.32338	75
30	26.46083	36	62	46.32231	76
31	26.69223	37	63	49.80820	77

A0 0.29543148E-03 A1 0.41272572E 01 A2 -0.28600804E C0
 A3 0.59004395E-02 A4 -0.16332066E-03 A5 0.10299555E-05



SHUNT CURRENT AMPS VS DN

PSHNTRI C-209

02/11/72

DEC DN	ENGINEERING UNITS DN	OCT DN	DEC DN	ENGINEERING UNITS DN	OCT DN
0	-0.04923	0	32	1.39535	40
1	-0.00660	1	33	1.44317	41
2	0.03620	2	34	1.49114	42
3	0.07916	3	35	1.53928	43
4	0.12228	4	36	1.58757	44
5	0.16556	5	37	1.63603	45
6	0.20901	6	38	1.68466	46
7	0.25261	7	39	1.73344	47
8	0.29638	10	40	1.78238	50
9	0.34031	11	41	1.83149	51
10	0.38440	12	42	1.88076	52
11	0.42866	13	43	1.93019	53
12	0.47307	14	44	1.97978	54
13	0.51765	15	45	2.02954	55
14	0.56239	16	46	2.07945	56
15	0.60729	17	47	2.12953	57
16	0.65235	20	48	2.17977	60
17	0.69758	21	49	2.23017	61
18	0.74296	22	50	2.28074	62
19	0.78851	23	51	2.33146	63
20	0.83422	24	52	2.38235	64
21	0.88009	25	53	2.43339	65
22	0.92612	26	54	2.48461	66
23	0.97232	27	55	2.53598	67
24	1.01868	30	56	2.58751	70
25	1.06519	31	57	2.63921	71
26	1.11187	32	58	2.69106	72
27	1.15872	33	59	2.74308	73
28	1.20572	34	60	2.79526	74
29	1.25289	35	61	2.84761	75
30	1.30021	36	62	2.90011	76
31	1.34770	37	63	2.95278	77

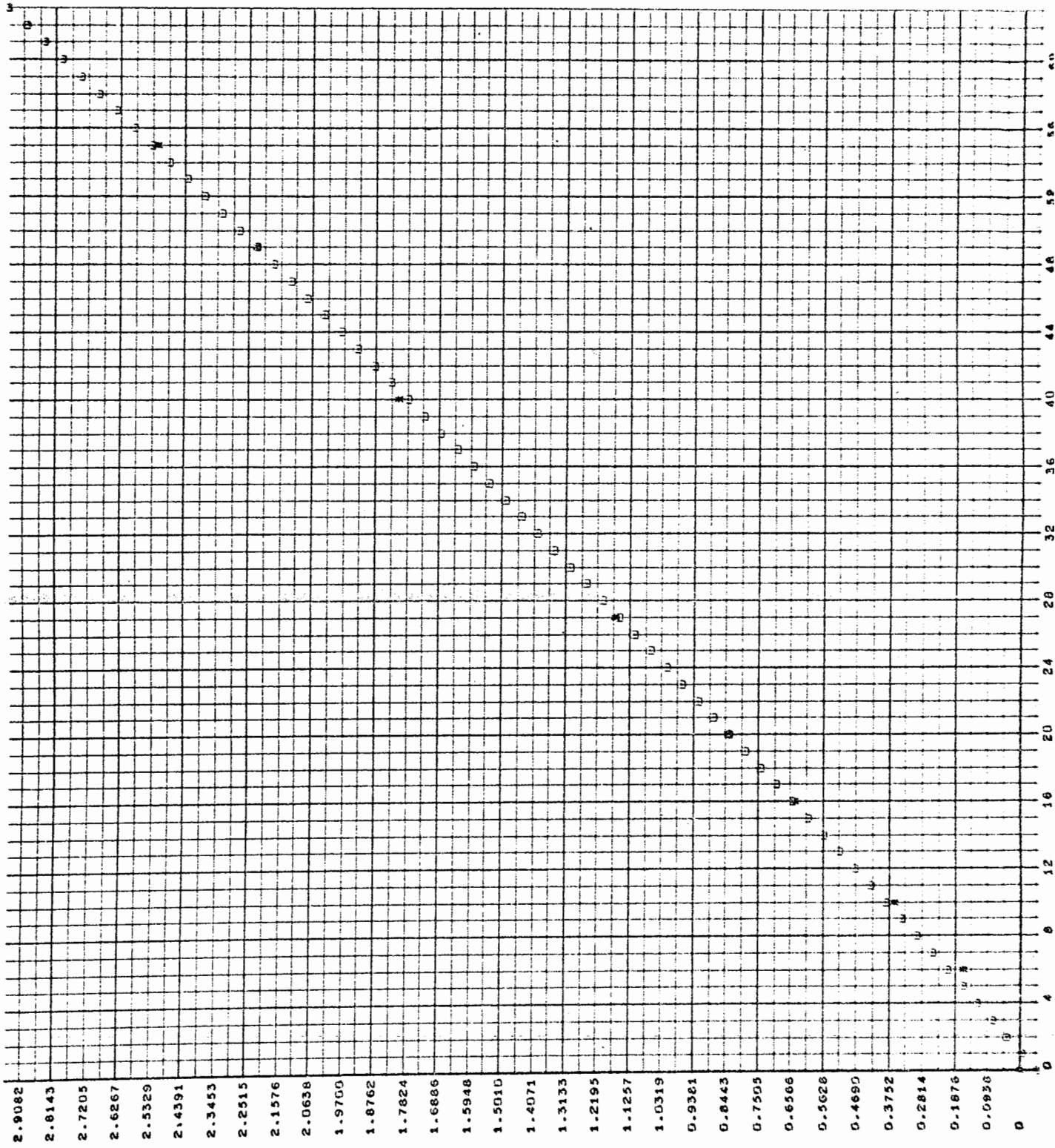
A0 -0.49232989E-01 A1 0.42554784E-01 A2 0.80891560E-04

A3 0.00000000E-38 A4 0.00000000E-38 A5 0.00000000E-38

SHUNT CURRENT AMPS VS DN

FSHNTRI C-209

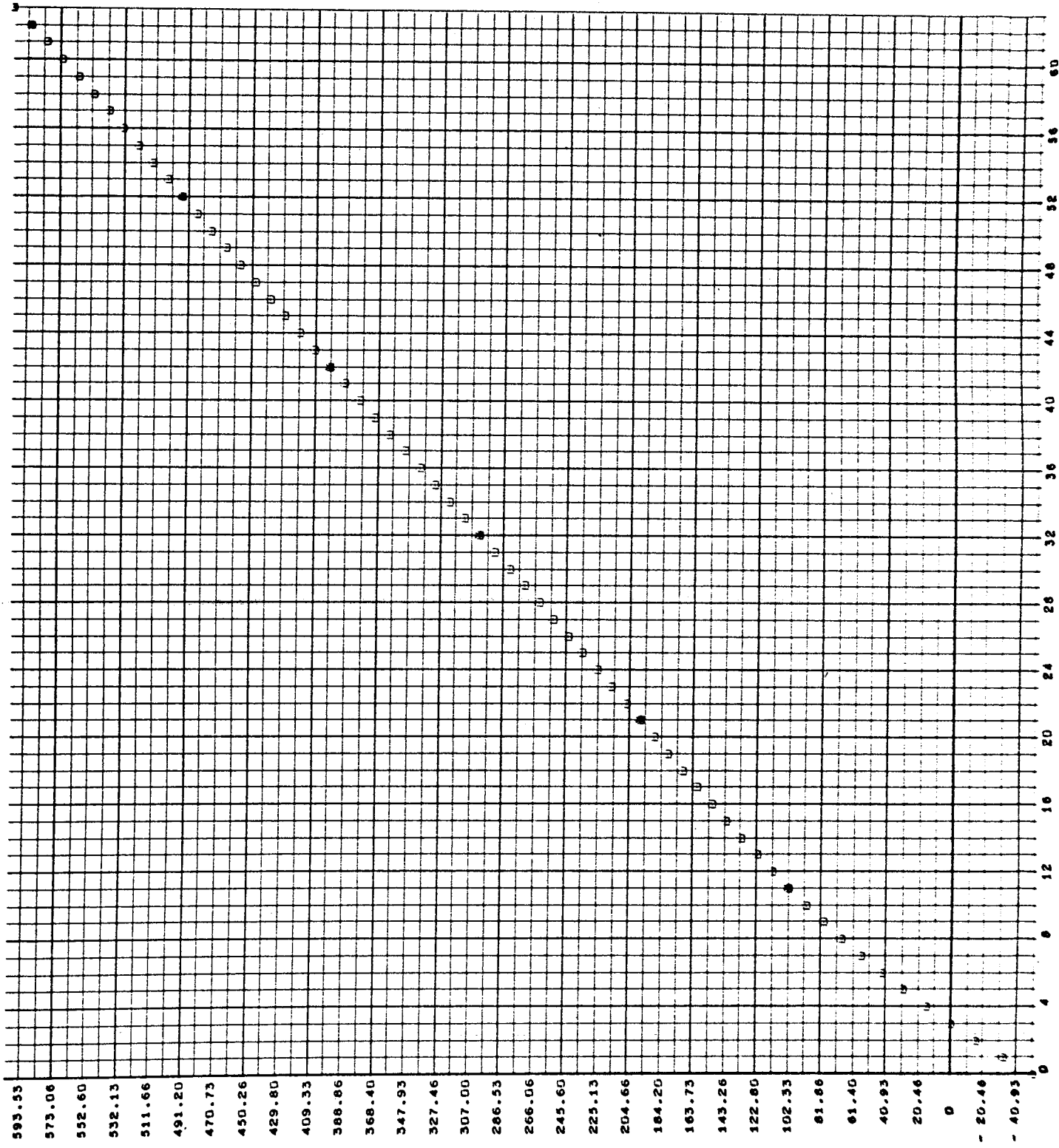
02/11/72



PROPELLANT SUPPLY PRESS PSIA VS DN APROPP C-210 02/11/72

DEC DN	ENGINEERING UNITS	OCT DN	DEC DN	ENGINEERING UNITS	OCT DN
0	-52.08880	0	32	302.00041	40
1	-33.44826	1	33	311.75144	41
2	-16.04972	2	34	321.53556	42
3	0.22578	3	35	331.34495	43
4	15.49000	4	36	341.17122	44
5	29.84773	5	37	351.00570	45
6	43.39701	6	38	360.83956	46
7	56.22931	7	39	370.66408	47
8	68.42976	10	40	380.47081	50
9	80.07736	11	41	390.25182	51
10	91.24514	12	42	399.99988	52
11	102.00044	13	43	409.70867	53
12	112.40508	14	44	419.37302	54
13	122.51554	15	45	428.98905	55
14	132.38322	16	46	438.55445	56
15	142.05462	17	47	448.06864	57
16	151.57156	20	48	457.53300	60
17	160.97136	21	49	466.95106	61
18	170.28709	22	50	476.32875	62
19	179.54773	23	51	485.67454	63
20	188.77843	24	52	494.99971	64
21	198.00066	25	53	504.31849	65
22	207.23247	26	54	513.64837	66
23	216.48866	27	55	523.01019	67
24	225.78102	30	56	532.42845	70
25	235.11849	31	57	541.93144	71
26	244.50743	32	58	551.55148	72
27	253.95178	33	59	561.32516	73
28	263.45329	34	60	571.29344	74
29	273.01170	35	61	581.50201	75
30	282.62489	36	62	592.00144	76
31	292.28955	37	63	602.84721	77

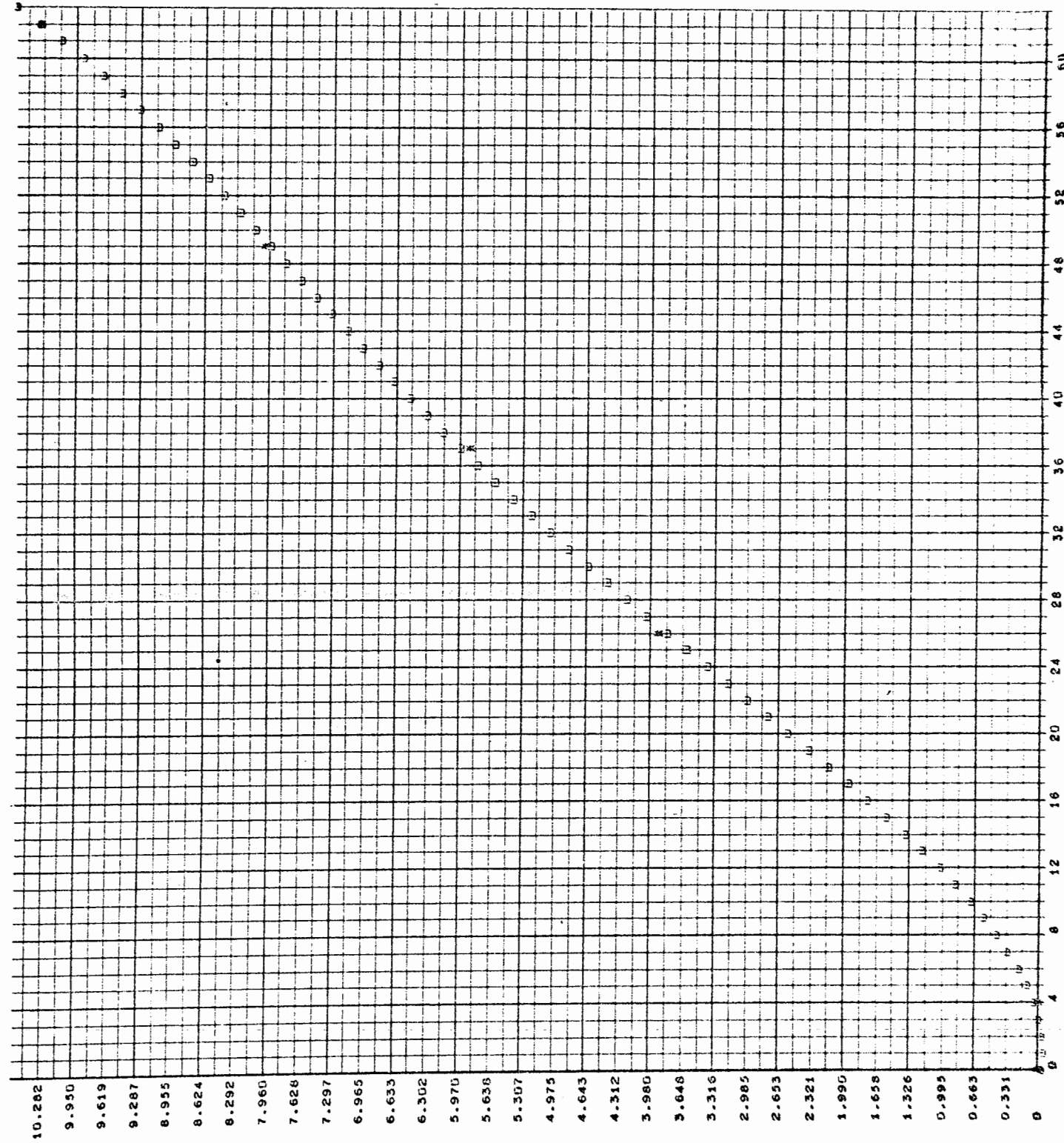
A0	-0.5208800E 02	A1	0.19303020E 02	A2	-0.68384609E C0
A3	0.21679466E-01	A4	-0.31640670E-03	A5	0.17295695E-05



TWTA 1 HELIX CURRENT MA VS DN RTAHLXI C-211 02/11/72

DEC DN	ENGINEERING UNITS	OCT DN	DEC DN	ENGINEERING UNITS	OCT DN
0	-0.03682	0	32	5.03162	40
1	-0.04525	1	33	5.22493	41
2	-0.03150	2	34	5.41517	42
3	0.00299	3	35	5.60225	43
4	0.05680	4	36	5.78614	44
5	0.12856	5	37	5.96684	45
6	0.21696	6	38	6.14439	46
7	0.32070	7	39	6.31889	47
8	0.43856	10	40	6.49045	50
9	0.56934	11	41	6.65927	51
10	0.71187	12	42	6.82554	52
11	0.86507	13	43	6.98954	53
12	1.02784	14	44	7.15156	54
13	1.19918	15	45	7.31195	55
14	1.37810	16	46	7.47110	56
15	1.56366	17	47	7.62943	57
16	1.75496	20	48	7.78742	60
17	1.95115	21	49	7.94559	61
18	2.15143	22	50	8.10449	62
19	2.35502	23	51	8.26472	63
20	2.56119	24	52	8.42693	64
21	2.76927	25	53	8.59181	65
22	2.97862	26	54	8.76009	66
23	3.18863	27	55	8.93253	67
24	3.39876	30	56	9.10996	70
25	3.60850	31	57	9.29323	71
26	3.81737	32	58	9.48324	72
27	4.02495	33	59	9.68094	73
28	4.23086	34	60	9.88731	74
29	4.43476	35	61	10.10338	75
30	4.63635	36	62	10.33023	76
31	4.83537	37	63	10.56897	77

A0 -0.36824214E-01 A1 -0.20016999E-01 A2 0.11838060E-01
A3 -0.25276519E-03 A4 0.17828255E-05 A5 0.00000000E-38

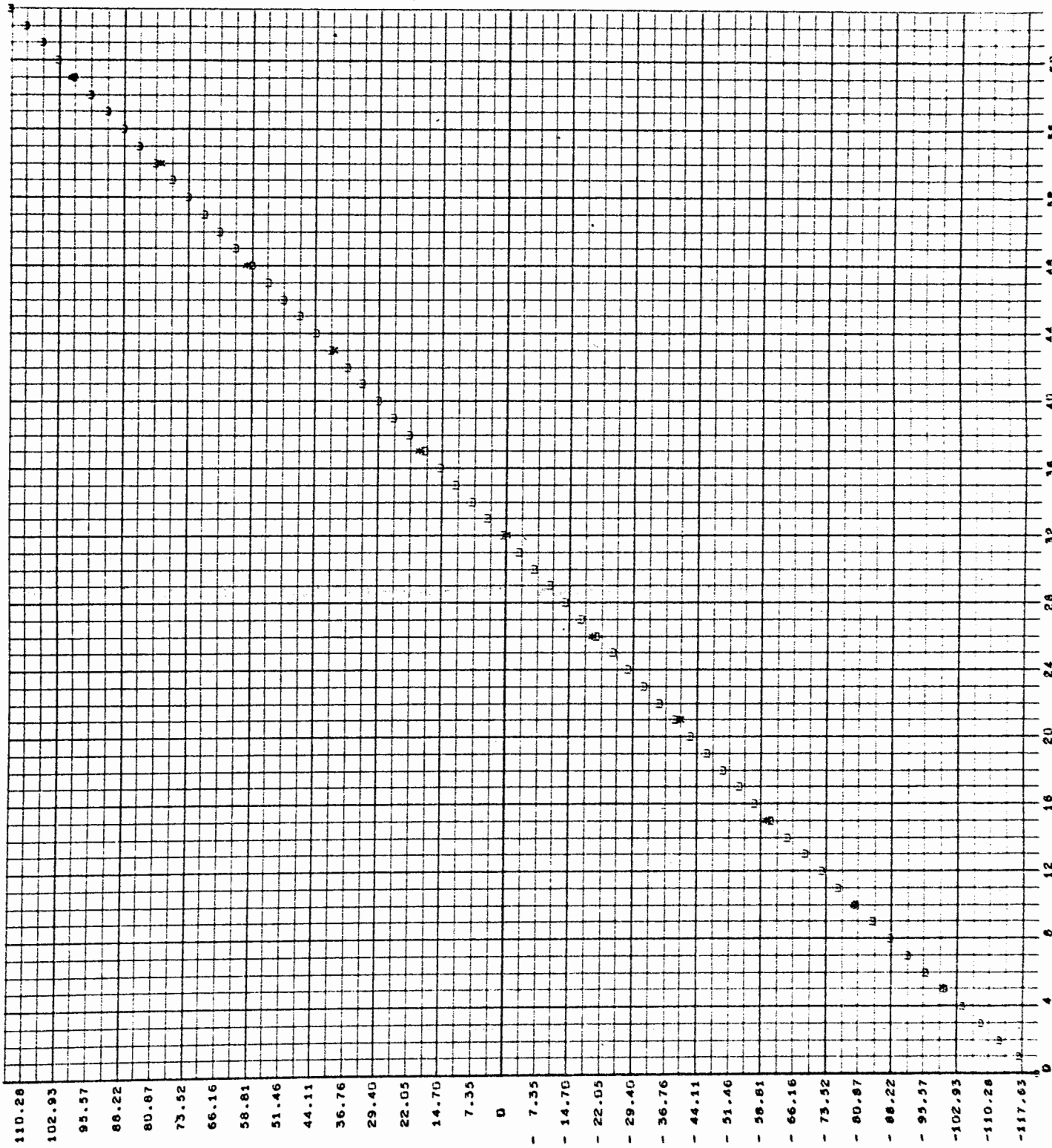


RECEIVER 1 LOOP STRESS KHZ VS DN

RRASPEM C-212

02/11/72

DEC DN	ENGINEERING UNITS DN	OCT DN	DEC DN	ENGINEERING UNITS DN	OCT DN
0	-120.93357	0	32	0.91189	40
1	-116.60994	1	33	4.50769	41
2	-112.34430	2	34	8.10570	42
3	-108.13365	3	35	11.70664	43
4	-103.97509	4	36	15.31113	44
5	-99.86576	5	37	18.91974	45
6	-95.80290	6	38	22.53295	46
7	-91.78380	7	39	26.15119	47
8	-87.80583	10	40	29.77481	50
9	-83.86644	11	41	33.40407	51
10	-79.96313	12	42	37.03920	52
11	-76.09350	13	43	40.68031	53
12	-72.25519	14	44	44.32747	54
13	-68.44594	15	45	47.98068	55
14	-64.66353	16	46	51.63986	56
15	-60.90585	17	47	55.30485	57
16	-57.17082	20	48	58.97543	60
17	-53.45647	21	49	62.65131	61
18	-49.76088	22	50	66.33212	62
19	-46.08219	23	51	70.01742	63
20	-42.41864	24	52	73.70672	64
21	-38.76852	25	53	77.39942	65
22	-35.13020	26	54	81.09488	66
23	-31.50213	27	55	84.79238	67
24	-27.88280	30	56	88.49113	70
25	-24.27081	31	57	92.19025	71
26	-20.66481	32	58	95.88882	72
27	-17.06352	33	59	99.58582	73
28	-13.46573	34	60	103.28019	74
29	-9.87033	35	61	106.97077	75
30	-6.27624	36	62	110.65633	76
31	-2.68247	37	63	114.33559	77
A0	-0.12093357E 03	A1	0.43536297E 01	A2	-0.30517382E-01
A3	0.51558678E-03	A4	-0.29713114E-05	A5	0.00000000E-38



RECEIVER 2 SIGNAL STRENGTH DBM VS DN

RRBSIRM C-213

02/11/72

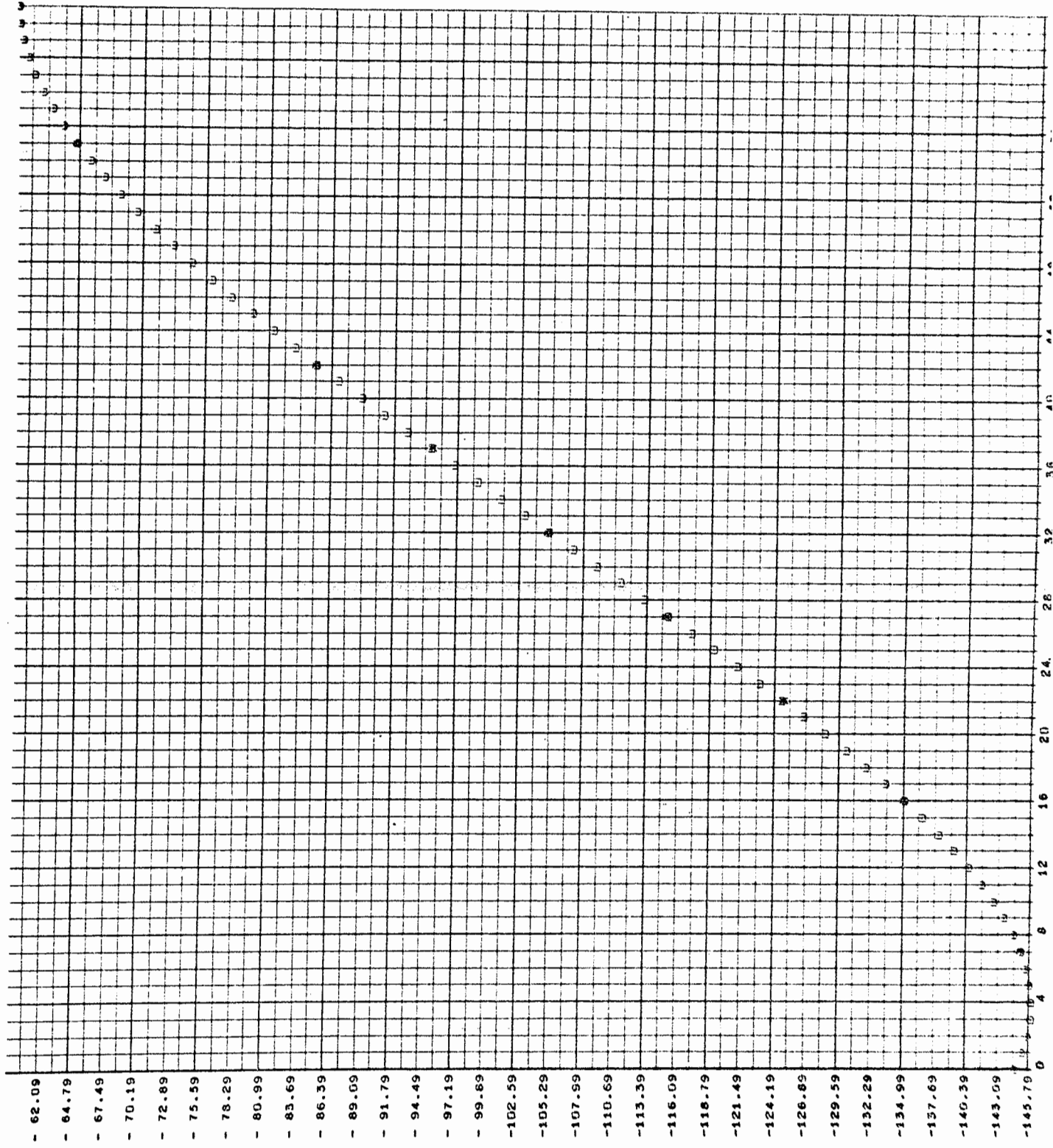
DEC DN	ENGINEERING UNITS	OCT DN	DEC DN	ENGINEERING UNITS	OCT DN
0	-144.54420	0	32	-105.03691	40
1	-145.22199	1	33	-102.99537	41
2	-145.67204	2	34	-100.95528	42
3	-145.90894	3	35	-98.91967	43
4	-145.94662	4	36	-96.89157	44
5	-145.79829	5	37	-94.87403	45
6	-145.47656	6	38	-92.87014	46
7	-144.99337	7	39	-90.88302	47
8	-144.36007	10	40	-88.91590	50
9	-143.58740	11	41	-86.97211	51
10	-142.68556	12	42	-85.05510	52
11	-141.66420	13	43	-83.16844	53
12	-140.53242	14	44	-81.31591	54
13	-139.29885	15	45	-79.50145	55
14	-137.97163	16	46	-77.72922	56
15	-136.55843	17	47	-76.00361	57
16	-135.06650	20	48	-74.32926	60
17	-133.50266	21	49	-72.71108	61
18	-131.87335	22	50	-71.15430	62
19	-130.18462	23	51	-69.66444	63
20	-128.44218	24	52	-68.24737	64
21	-126.65141	25	53	-66.90933	65
22	-124.81739	26	54	-65.65693	66
23	-122.94489	27	55	-64.49718	67
24	-121.03844	30	56	-63.43754	70
25	-119.10233	31	57	-62.48589	71
26	-117.14059	32	58	-61.65060	72
27	-115.15709	33	59	-60.94050	73
28	-113.15551	34	60	-60.36497	74
29	-111.13938	35	61	-59.93391	75
30	-109.11206	36	62	-59.65777	76
31	-107.07685	37	63	-59.54756	77

A0 -0.14454420E 03 A1 -0.79671913E 00 A2 0.12150668E C0
A3 -0.26148581E-02 A4 0.30799069E-04 A5 -0.17976886E-06

RECEIVER 2 SIGNAL STRENGTH DBM VS DN

R8D5SIRM C-213

02/11/72



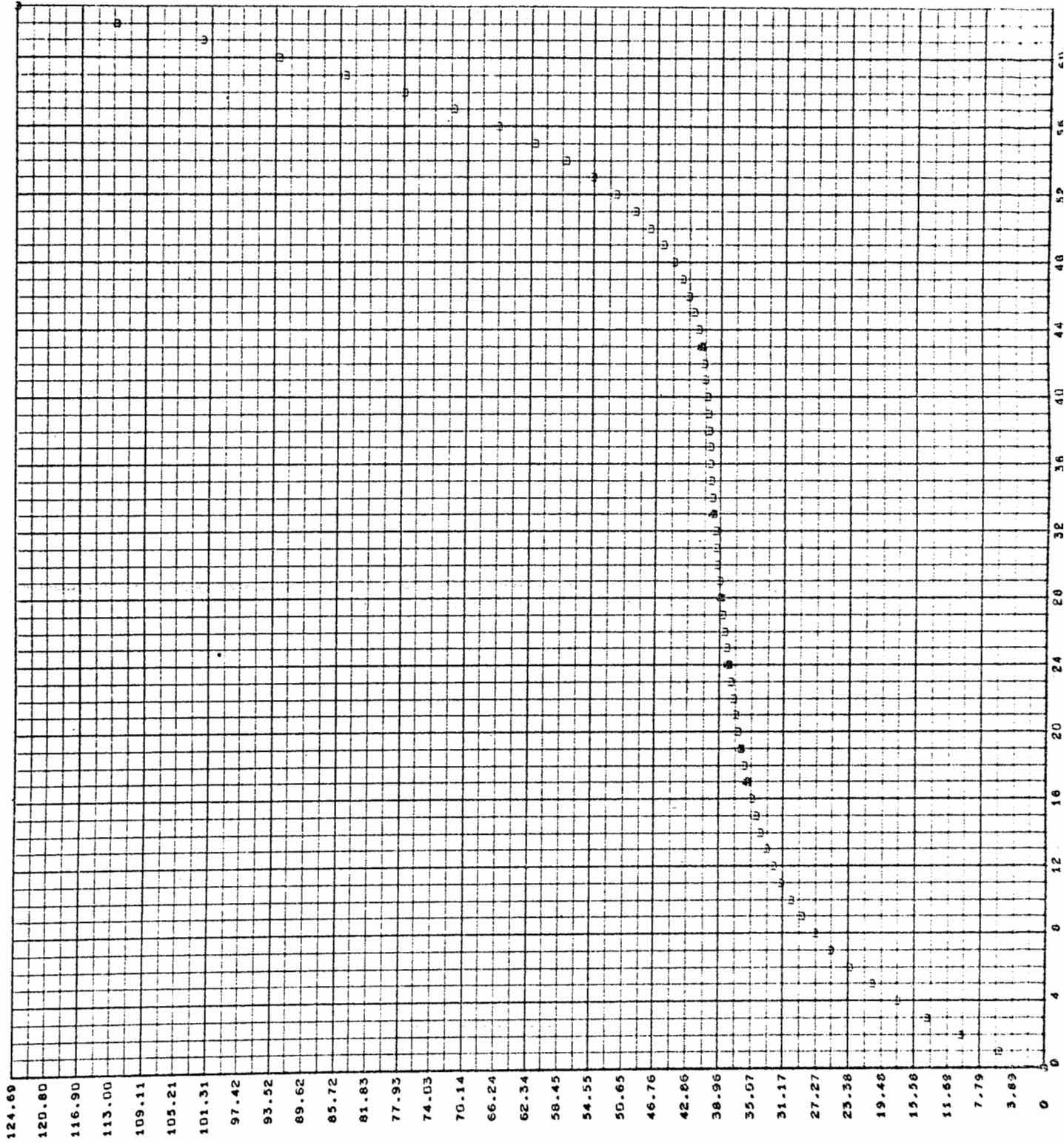
TWTA 2 POWER OUTPUT DBM VS DN

RTBRFW C-214

02/11/72

DEC DN	ENGINEERING UNITS	OCT DN	DEC DN	ENGINEERING UNITS	OCT DN
0	0.00013	0	32	39.73310	40
1	5.39089	1	33	39.88867	41
2	10.07599	2	34	40.02853	42
3	14.14323	3	35	40.15473	43
4	17.65073	4	36	40.27062	44
5	20.66713	5	37	40.38112	45
6	23.25179	6	38	40.49281	46
7	25.45906	7	39	40.61430	47
8	27.33846	10	40	40.75635	50
9	28.93491	11	41	40.93212	51
10	30.28893	12	42	41.15739	52
11	31.43691	13	43	41.45078	53
12	32.41126	14	44	41.83396	54
13	33.24069	15	45	42.33186	55
14	33.95038	16	46	42.97294	56
15	34.56223	17	47	43.78933	57
16	35.09509	20	48	44.81708	60
17	35.56492	21	49	46.09646	61
18	35.98507	22	50	47.67202	62
19	36.36648	23	51	49.59296	63
20	36.71788	24	52	51.91325	64
21	37.04604	25	53	54.69192	65
22	37.35594	26	54	57.99316	66
23	37.65107	27	55	61.88672	67
24	37.93356	30	56	66.44796	70
25	38.20445	31	57	71.75816	71
26	38.46390	32	58	77.90473	72
27	38.71141	33	59	84.98145	73
28	38.94601	34	60	93.08852	74
29	39.16655	35	61	102.33305	75
30	39.37182	36	62	112.82909	76
31	39.56085	37	63	124.69794	77

A0 0.12539862E-03 A1 0.57683337E 01 A2 -0.39143752E 00
 A3 0.14122256E-01 A4 -0.25553172E-03 A5 0.18228487E-05



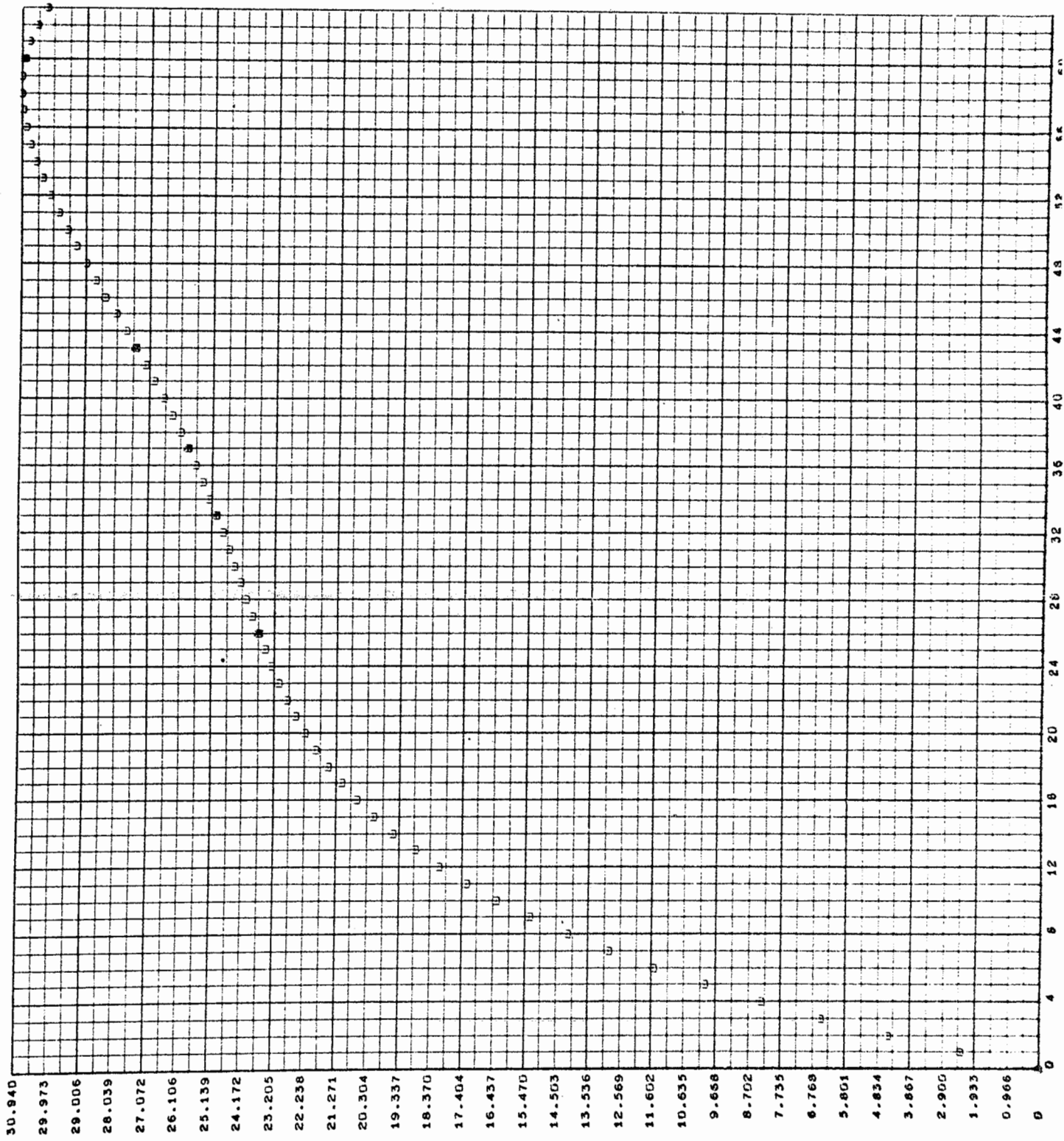
TWTA 2 CATHODE CURRENT MA VS DN

RTBCATI C-215

02/11/72

DEC	ENGINEERING UNITS	OCT	DEC	ENGINEERING UNITS	OCT
DN		DN	DN		DN
0	0.C0C0C3	0	32	24.81426	40
1	2.35984	1	33	25.01111	41
2	4.53097	2	34	25.21588	42
3	6.52428	3	35	25.42973	43
4	8.35030	4	36	25.65347	44
5	10.01927	5	37	25.88766	45
6	11.54113	6	38	26.13252	46
7	12.92550	7	39	26.38798	47
8	14.18172	10	40	26.65366	50
9	15.31880	11	41	26.92888	51
10	16.34548	12	42	27.21266	52
11	17.27016	13	43	27.50372	53
12	18.10096	14	44	27.80046	54
13	18.84570	15	45	28.10099	55
14	19.51188	16	46	28.40313	56
15	20.10671	17	47	28.70436	57
16	20.63708	20	48	29.00190	60
17	21.10961	21	49	29.29263	61
18	21.53057	22	50	29.57314	62
19	21.90597	23	51	29.83973	63
20	22.24150	24	52	30.08837	64
21	22.54253	25	53	30.31476	65
22	22.81415	26	54	30.51427	66
23	23.06115	27	55	30.68198	67
24	23.28799	30	56	30.81265	70
25	23.49885	31	57	30.90076	71
26	23.69760	32	58	30.94048	72
27	23.88781	33	59	30.92566	73
28	24.07273	34	60	30.84987	74
29	24.25534	35	61	30.70636	75
30	24.43827	36	62	30.48808	76
31	24.62390	37	63	30.18769	77

A0 0.33836102E-04 A1 0.24578310E 01 A2 -0.99896358E-01
 A3 0.18831188E-02 A4 -0.12634783E-04 A5 0.00000000E-38



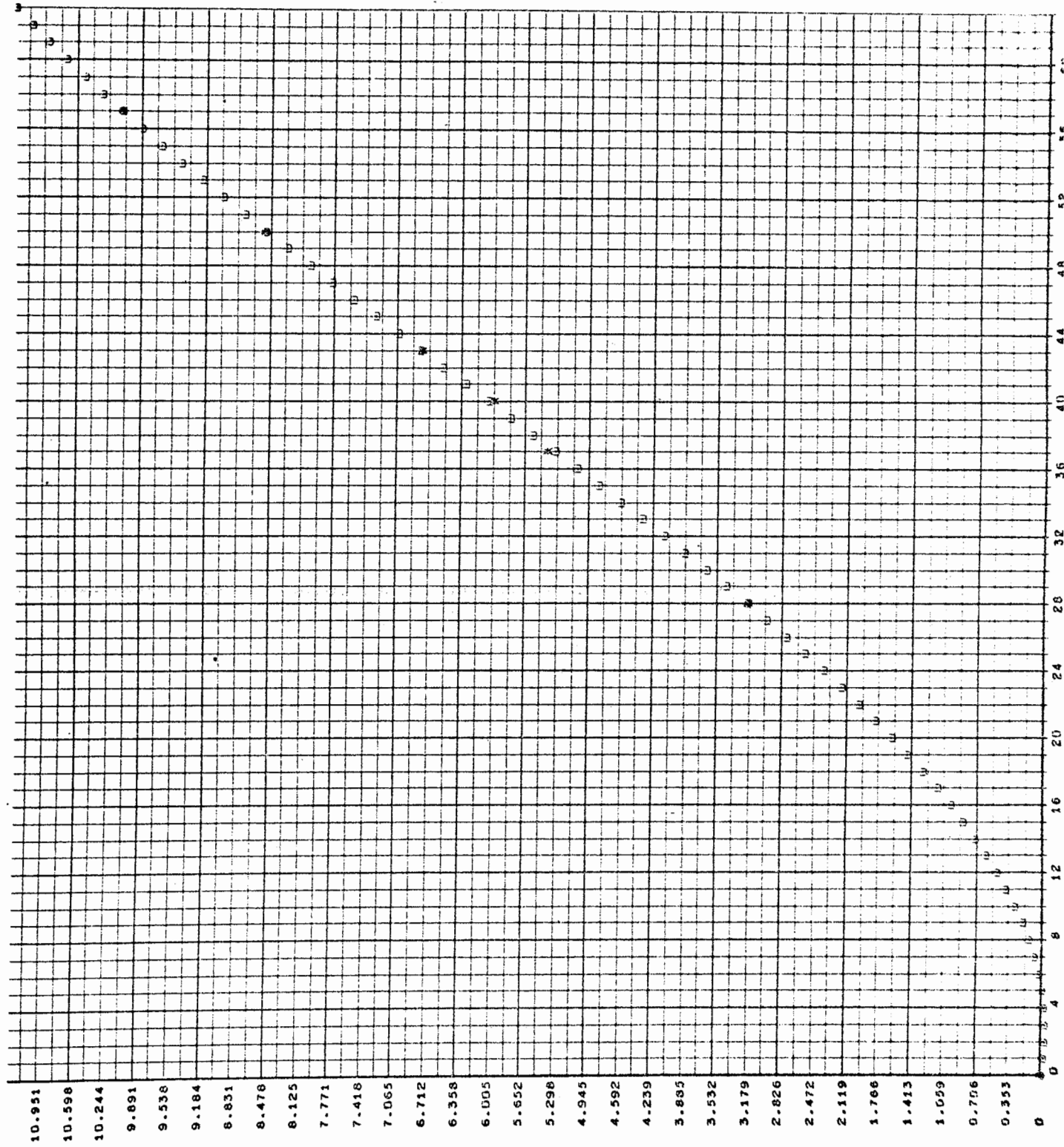
TWTA 2 HELIX CURRENT MA VS DN

RTBHLXI C-216

02/11/72

DEC DN	ENGINEERING UNITS	OCT DN	DEC DN	ENGINEERING UNITS	OCT DN
0	-0.00023	0	32	4.12055	40
1	-0.02589	1	33	4.35638	41
2	-0.03833	2	34	4.59500	42
3	-0.03787	3	35	4.83608	43
4	-0.02484	4	36	5.07932	44
5	0.00044	5	37	5.32437	45
6	0.03763	6	38	5.57091	46
7	0.08641	7	39	5.81861	47
8	0.14647	10	40	6.06716	50
9	0.21746	11	41	6.31622	51
10	0.29907	12	42	6.56547	52
11	0.39096	13	43	6.81458	53
12	0.49282	14	44	7.06323	54
13	0.60432	15	45	7.31109	55
14	0.72513	16	46	7.55783	56
15	0.85493	17	47	7.80314	57
16	0.99338	20	48	8.04668	60
17	1.14017	21	49	8.28812	61
18	1.29497	22	50	8.52715	62
19	1.45745	23	51	8.76343	63
20	1.62729	24	52	8.99664	64
21	1.80415	25	53	9.22646	65
22	1.98773	26	54	9.45255	66
23	2.17768	27	55	9.67460	67
24	2.37369	30	56	9.89228	70
25	2.57542	31	57	10.10525	71
26	2.78255	32	58	10.31320	72
27	2.99477	33	59	10.51580	73
28	3.21173	34	60	10.71273	74
29	3.43311	35	61	10.90365	75
30	3.65859	36	62	11.08824	76
31	3.88785	37	63	11.26618	77

A0 -0.23239617E-03 A1 -0.32377234E-01 A2 0.67737672E-02
A3 -0.54305413E-04 A4 0.00000000E-38 A5 0.00000000E-38



RTG 4 HOT JUNCTION TEMPERATURE DEG F VS DN

PRIG4HJT C-217

02/11/72

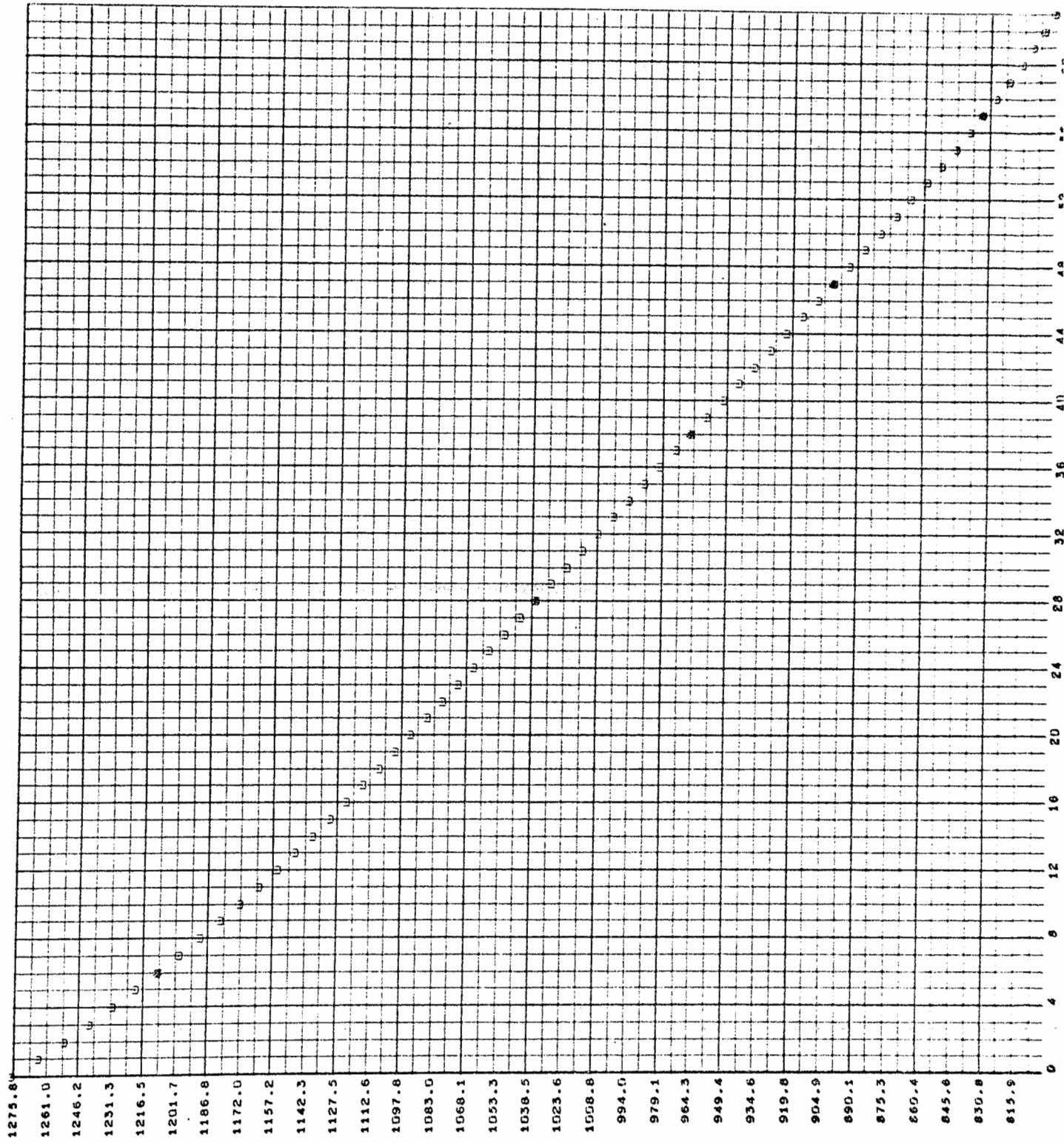
DEC	ENGINEERING UNITS	OCT	DEC	ENGINEERING UNITS	OCT
DN		DN	DN		DN
0	1277.13670	0	32	1008.83864	40
1	1264.82922	1	33	1001.75583	41
2	1253.00781	2	34	994.65076	42
3	1241.64264	3	35	987.52235	43
4	1230.70480	4	36	980.37046	44
5	1220.16629	5	37	973.19580	45
6	1210.00000	6	38	966.00000	46
7	1200.17970	7	39	958.78559	47
8	1190.68010	10	40	951.55600	50
9	1181.47676	11	41	944.31554	51
10	1172.54619	12	42	937.06945	52
11	1163.86574	13	43	929.82384	53
12	1155.41368	14	44	922.58572	54
13	1147.16924	15	45	915.36301	55
14	1139.11243	16	46	908.16454	56
15	1131.22426	17	47	901.00000	57
16	1123.48657	20	48	893.88000	60
17	1115.88217	21	49	886.81607	61
18	1108.39470	22	50	879.82060	62
19	1101.00873	23	51	872.90690	63
20	1093.70970	24	52	866.08916	64
21	1086.48401	25	53	859.38249	65
22	1079.31889	26	54	852.80290	66
23	1072.20251	27	55	846.36728	67
24	1065.12392	30	56	840.09341	70
25	1058.07307	31	57	834.00000	71
26	1051.04082	32	58	828.10663	72
27	1044.01891	33	59	822.43380	73
28	1037.00000	34	60	817.00290	74
29	1029.97762	35	61	811.83620	75
30	1022.94623	36	62	806.95689	76
31	1015.90115	37	63	802.38907	77

A0 0.12771367E 04 A1 -0.12560654E 02 A2 0.25833967E C0
 A3 -0.51921656E-02 A4 0.37422096E-04 A5 0.00000000E-38

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FRTG4HJT C-217

FIG 4 HOT JUNCTION TEMPERATURE DEG F VS DN



RTG 3 HOT JUNCTION TEMPERATURE DEG F VS DN

PRTG3HJT C-218

02/11/72

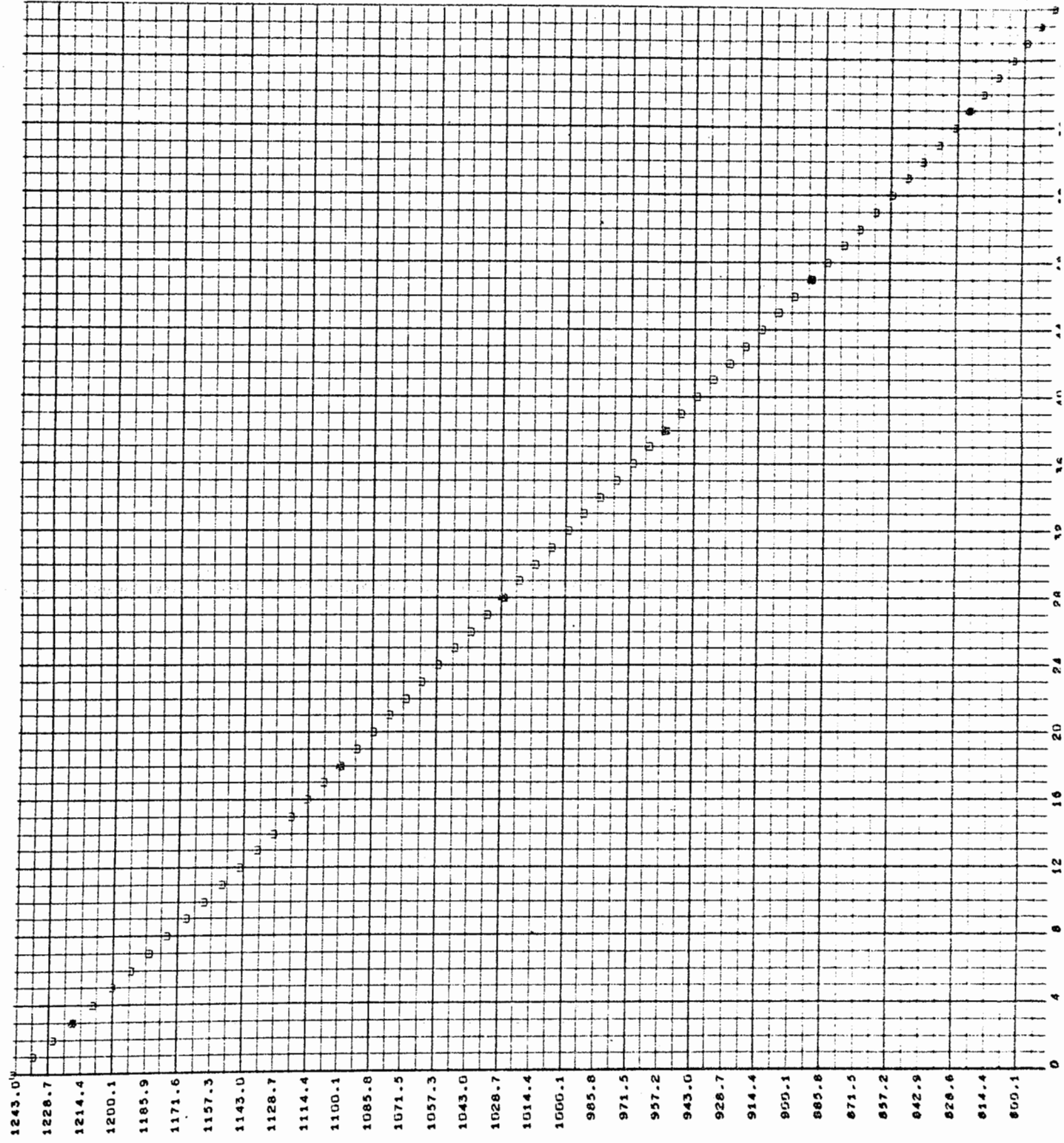
DEC DN	ENGINEERING UNITS	OCT DN	DEC DN	ENGINEERING UNITS	OCT DN
0	1244.84406	0	32	999.20673	40
1	1235.71762	1	33	992.03608	41
2	1226.77145	2	34	984.86262	42
3	1217.99426	3	35	977.68650	43
4	1209.37517	4	36	970.50828	44
5	1200.90361	5	37	963.32883	45
6	1192.56943	6	38	956.14941	46
7	1184.36275	7	39	948.97160	47
8	1176.27414	10	40	941.79739	50
9	1168.29448	11	41	934.62908	51
10	1160.41499	12	42	927.46935	52
11	1152.62729	13	43	920.32124	53
12	1144.92332	14	44	913.18812	54
13	1137.29543	15	45	906.07375	55
14	1129.73624	16	46	898.98225	56
15	1122.23882	17	47	891.91805	57
16	1114.79652	20	48	884.88599	60
17	1107.40312	21	49	877.89124	61
18	1100.05270	22	50	870.93932	62
19	1092.73973	23	51	864.03615	63
20	1085.45900	24	52	857.18796	64
21	1078.20570	25	53	850.40135	65
22	1070.97537	26	54	843.68330	66
23	1063.76389	27	55	837.04111	67
24	1056.56749	30	56	830.48248	70
25	1049.38278	31	57	824.01542	71
26	1042.20673	32	58	817.64833	72
27	1035.03664	33	59	811.38997	73
28	1027.87018	34	60	805.24944	74
29	1020.70540	35	61	799.23620	75
30	1013.54067	36	62	793.36007	76
31	1006.37475	37	63	787.63123	77

A0 0.12448441E 04 A1 -0.92203916E 01 A2 0.95917594E-01
 A3 -0.19657639E-02 A4 0.14886616E-04 A5 0.00000000E-38

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FRIG3HJT C-218

RTG 3 HOT JUNCTION TEMPERATURE DEG F VS DN



RTG 2 HOT JUNCTION TEMPERATURE DEG F VS DN

PRIG2HJT C-219 02/11/72

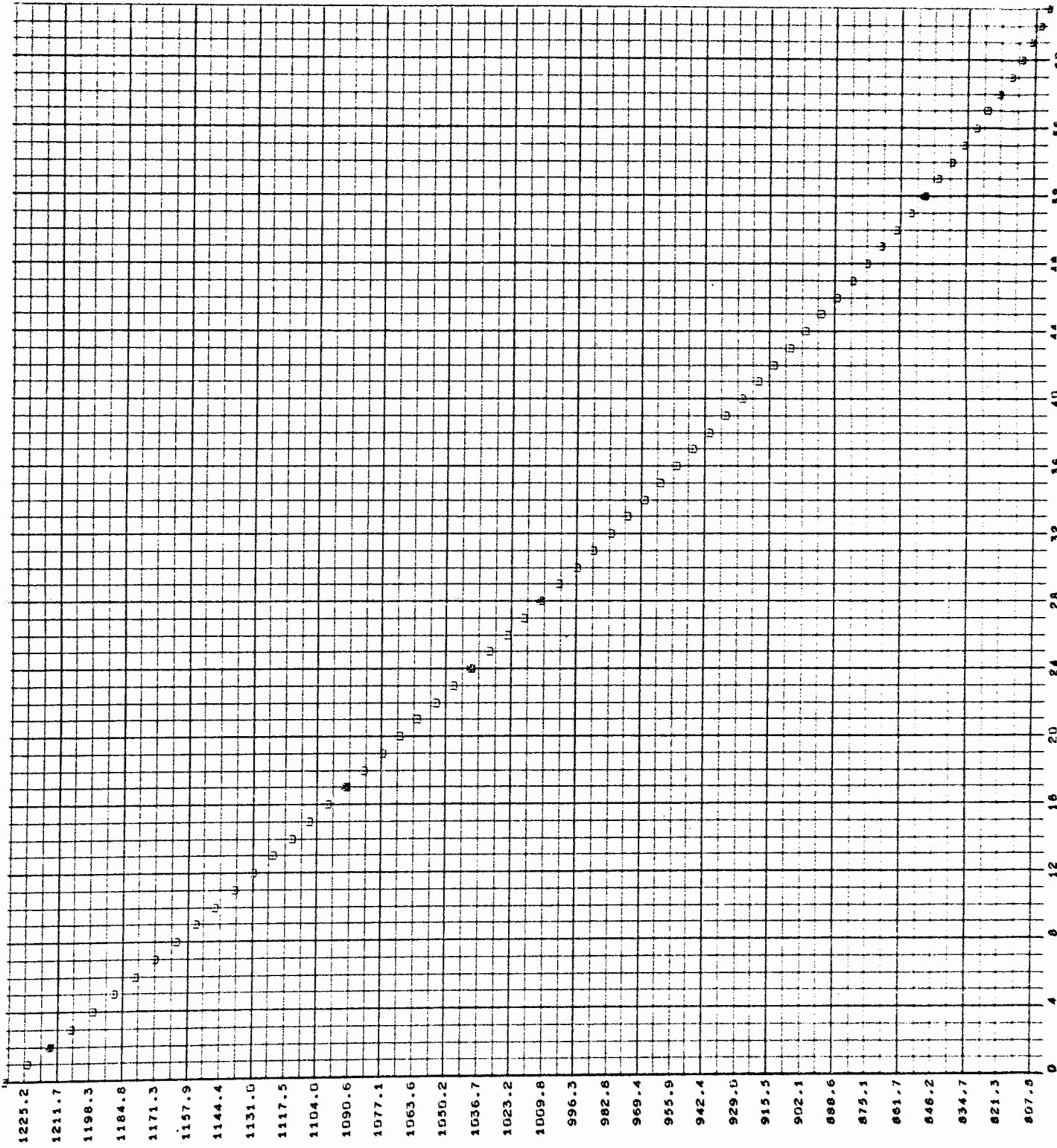
DEC	ENGINEERING UNITS	OCT	DEC	ENGINEERING UNITS	OCT	DN
DN		DN	DN		DN	
0	1233.59366	0	32	982.43050	40	
1	1224.20605	1	33	975.35999	41	
2	1214.99598	2	34	968.32161	42	
3	1205.96411	3	35	961.31779	43	
4	1197.08748	4	36	954.35143	44	
5	1188.35963	5	37	947.42580	45	
6	1179.77049	6	38	940.54468	46	
7	1171.31044	7	39	933.71222	47	
8	1162.97029	10	40	926.93301	50	
9	1154.74126	11	41	920.21210	51	
10	1146.61501	12	42	913.55494	52	
11	1138.58366	13	43	906.96743	53	
12	1130.63972	14	44	900.45590	54	
13	1122.77617	15	45	894.02710	55	
14	1114.98637	16	46	887.68821	56	
15	1107.26418	17	47	881.44686	57	
16	1099.60382	20	48	875.31110	60	
17	1091.99598	21	49	869.28941	61	
18	1084.44780	22	50	863.39069	62	
19	1076.94281	23	51	857.62429	63	
20	1069.48099	24	52	851.99999	64	
21	1062.05873	25	53	846.52799	65	
22	1054.67290	26	54	841.21893	66	
23	1047.32076	27	55	836.08389	67	
24	1039.99598	30	56	831.13433	70	
25	1032.70876	31	57	826.38222	71	
26	1025.44560	32	58	821.83989	72	
27	1018.20955	33	59	817.52016	73	
28	1010.99599	34	60	813.43623	74	
29	1003.81681	35	61	809.60178	75	
30	996.66028	36	62	806.03087	76	
31	989.53113	37	63	802.73803	77	

A0 0.12335937E 04 A1 -0.94822562E 01 A2 0.96640109E-01
 A3 -0.19997324E-02 A4 0.17964179E-04 A5 0.00000000E-38

02/11/72

FRI02HJT C-219

RTG 2 HOT JUNCTION TEMPERATURE DEG F VS DN



RTG 1 HOT JUNCTION TEMPERATURE DEG F VS DN

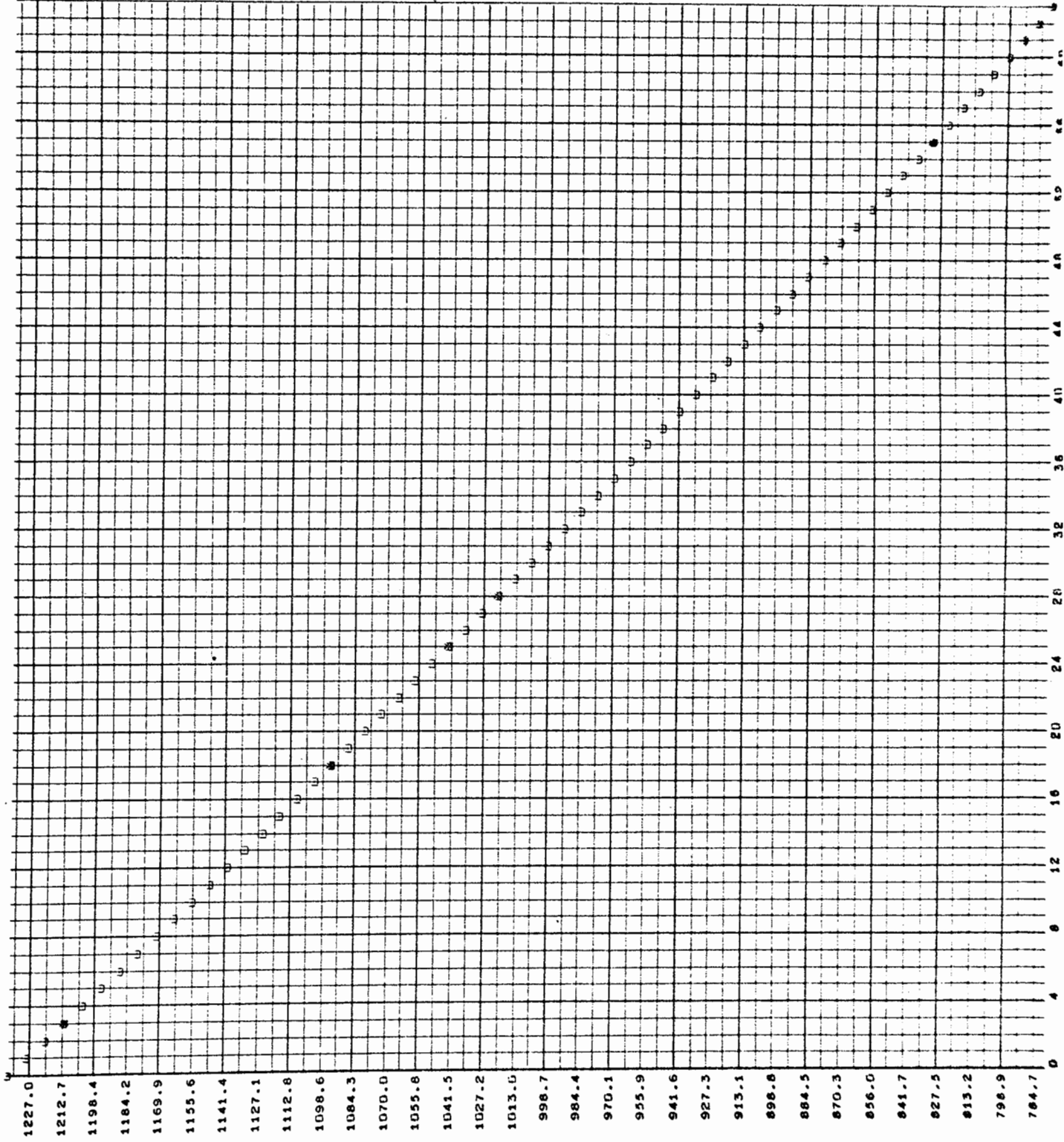
PRIGIHJT C-220

02/11/72

DEC DN	ENGINEERING UNITS	OCT DN	DEC DN	ENGINEERING UNITS	OCT DN
0	1236.93C01	0	32	991.88438	40
1	1228.54298	1	33	984.64287	41
2	1220.23438	2	34	977.41649	42
3	1212.C0C00	3	35	970.20559	43
4	1203.83585	4	36	963.01064	44
5	1195.73807	5	37	955.83228	45
6	1187.70291	6	38	948.67123	46
7	1179.72679	7	39	941.52843	47
8	1171.80627	10	40	934.40489	50
9	1163.93803	11	41	927.30180	51
10	1156.11890	12	42	920.22049	52
11	1148.34586	13	43	913.16240	53
12	1140.61601	14	44	906.12914	54
13	1132.92662	15	45	899.12244	55
14	1125.27505	16	46	892.14420	56
15	1117.65887	17	47	885.19643	57
16	1110.07574	20	48	878.28130	60
17	1102.52347	21	49	871.40109	61
18	1095.C0C00	22	50	864.55826	62
19	1087.50343	23	51	857.75539	63
20	1080.C3201	24	52	850.99519	64
21	1072.58411	25	53	844.28054	65
22	1065.15823	26	54	837.61443	66
23	1057.75302	27	55	831.C0002	67
24	1050.36731	30	56	824.44056	70
25	1043.C0C00	31	57	817.93951	71
26	1035.65018	32	58	811.50041	72
27	1028.31706	33	59	805.12698	73
28	1021.C0C00	34	60	798.82305	74
29	1013.69850	35	61	792.59261	75
30	1006.41219	36	62	786.43979	76
31	999.14C85	37	63	780.36885	77

A0 0.12369300E 04 A1 -0.84276253E 01 A2 0.41335624E-01
A3 -0.72685316E-03 A4 0.58443358E-05 A5 0.0000000E-38

FIG 1 HOT JUNCTION TEMPERATURE DEG F VS DN



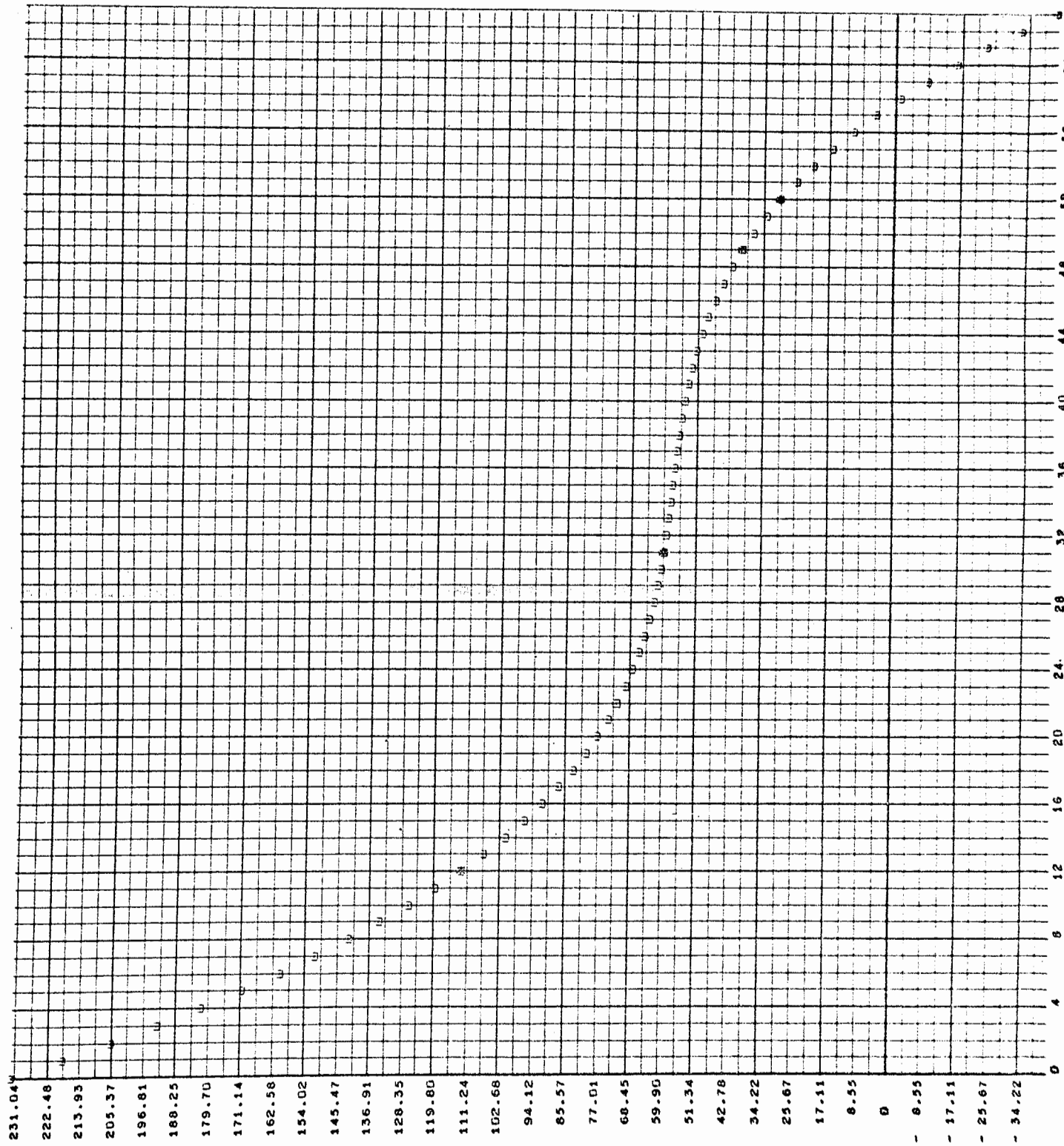
TWTA 2 CONVERTER TEMPERATURE DEG F VS DN

RTBCONT C-221

02/11/72

DEC DN	ENGINEERING UNITS DN	OCT DN	DEC DN	ENGINEERING UNITS DN	GCT DN
0	232.24133	0	32	59.40279	40
1	218.52117	1	33	58.86606	41
2	205.56448	2	34	58.36715	42
3	193.34860	3	35	57.88337	43
4	181.85084	4	36	57.39204	44
5	171.04853	5	37	56.87048	45
6	160.91899	6	38	56.29604	46
7	151.43954	7	39	55.64601	47
8	142.58751	10	40	54.89772	50
9	134.34022	11	41	54.02851	51
10	126.67499	12	42	53.01569	52
11	119.56914	13	43	51.83658	53
12	113.00000	14	44	50.46851	54
13	106.94489	15	45	48.88879	55
14	101.38113	16	46	47.07477	56
15	96.28605	17	47	45.00374	57
16	91.63696	20	48	42.65305	60
17	87.41120	21	49	40.00000	61
18	83.58608	22	50	37.02193	62
19	80.13893	23	51	33.69616	63
20	77.04707	24	52	30.00000	64
21	74.28782	25	53	25.91079	65
22	71.83850	26	54	21.40584	66
23	69.67644	27	55	16.46249	67
24	67.77896	30	56	11.05803	70
25	66.12339	31	57	5.16982	71
26	64.68704	32	58	-1.22485	72
27	63.44724	33	59	-8.14862	73
28	62.38132	34	60	-15.62420	74
29	61.46658	35	61	-23.67425	75
30	60.68037	36	62	-32.32146	76
31	60.00000	37	63	-41.58849	77

A0	0.23224133E 03	A1	-0.14109462E 02	A2	0.39307804E 00
A3	-0.37795314E-02	A4	0.00000000E-38	A5	0.00000000E-38



RECEIVER 1 TEMPERATURE DEG F VS DN

RRAWCOT C-222

02/11/72

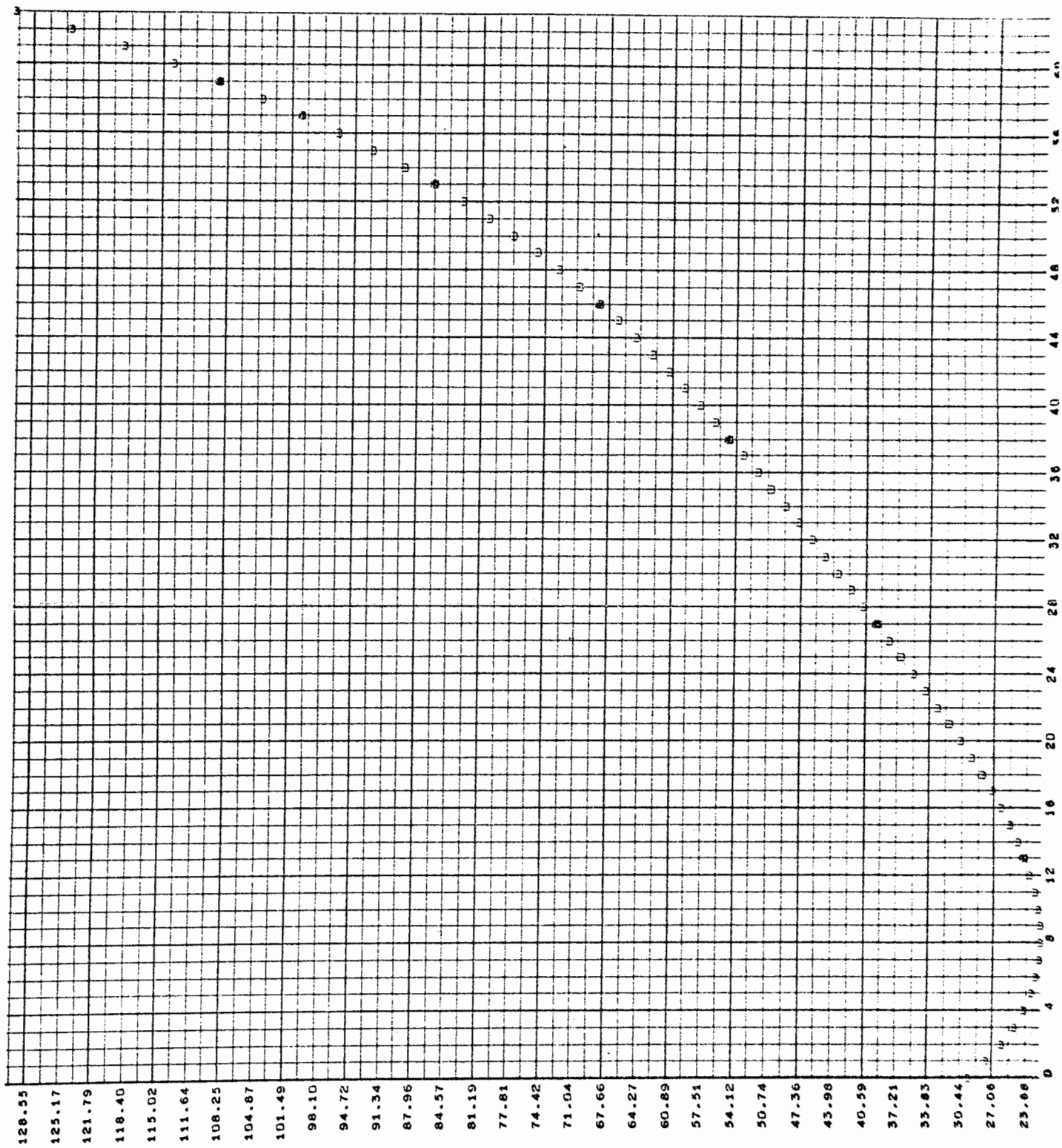
DEC DN	ENGINEERING UNITS	OCT DN	DEC DN	ENGINEERING UNITS	OCT DN
0	29.58564	0	32	46.28767	40
1	27.76054	1	33	47.67671	41
2	26.23447	2	34	49.07953	42
3	24.98756	3	35	50.49890	43
4	24.00059	4	36	51.93831	44
5	23.25509	5	37	53.40196	45
6	22.73329	6	38	54.89477	46
7	22.41811	7	39	56.42233	47
8	22.29320	10	40	57.99098	50
9	22.34292	11	41	59.60776	51
10	22.55232	12	42	61.28039	52
11	22.90717	13	43	63.01734	53
12	23.39395	14	44	64.82776	54
13	23.99985	15	45	66.72152	55
14	24.71276	16	46	68.70920	56
15	25.52129	17	47	70.80208	57
16	26.41475	20	48	73.01216	60
17	27.38317	21	49	75.35215	61
18	28.41726	22	50	77.83544	62
19	29.50849	23	51	80.47617	63
20	30.64898	24	52	83.28917	64
21	31.83160	25	53	86.28996	65
22	33.04992	26	54	89.49481	66
23	34.29821	27	55	92.92067	67
24	35.57145	30	56	96.58519	70
25	36.86534	31	57	100.50676	71
26	38.17628	32	58	104.70446	72
27	39.50137	33	59	109.19808	73
28	40.83844	34	60	114.00811	74
29	42.18602	35	61	119.15578	75
30	43.54333	36	62	124.66299	76
31	44.91033	37	63	130.55237	77

AC 0.29585641E 02 A1 -0.19814387E 01 A2 0.15979759E 00
 A3 -0.34940239E-02 A4 0.29532919E-04 A5 0.0000000E-38

RECEIVER 1 TEMPERATURE DEG F VS DN

RRAYCOT C-222

02/11/72



DRIVER 2 TEMPERATURE DEG F VS DN

RDRVBT C-223

02/11/72

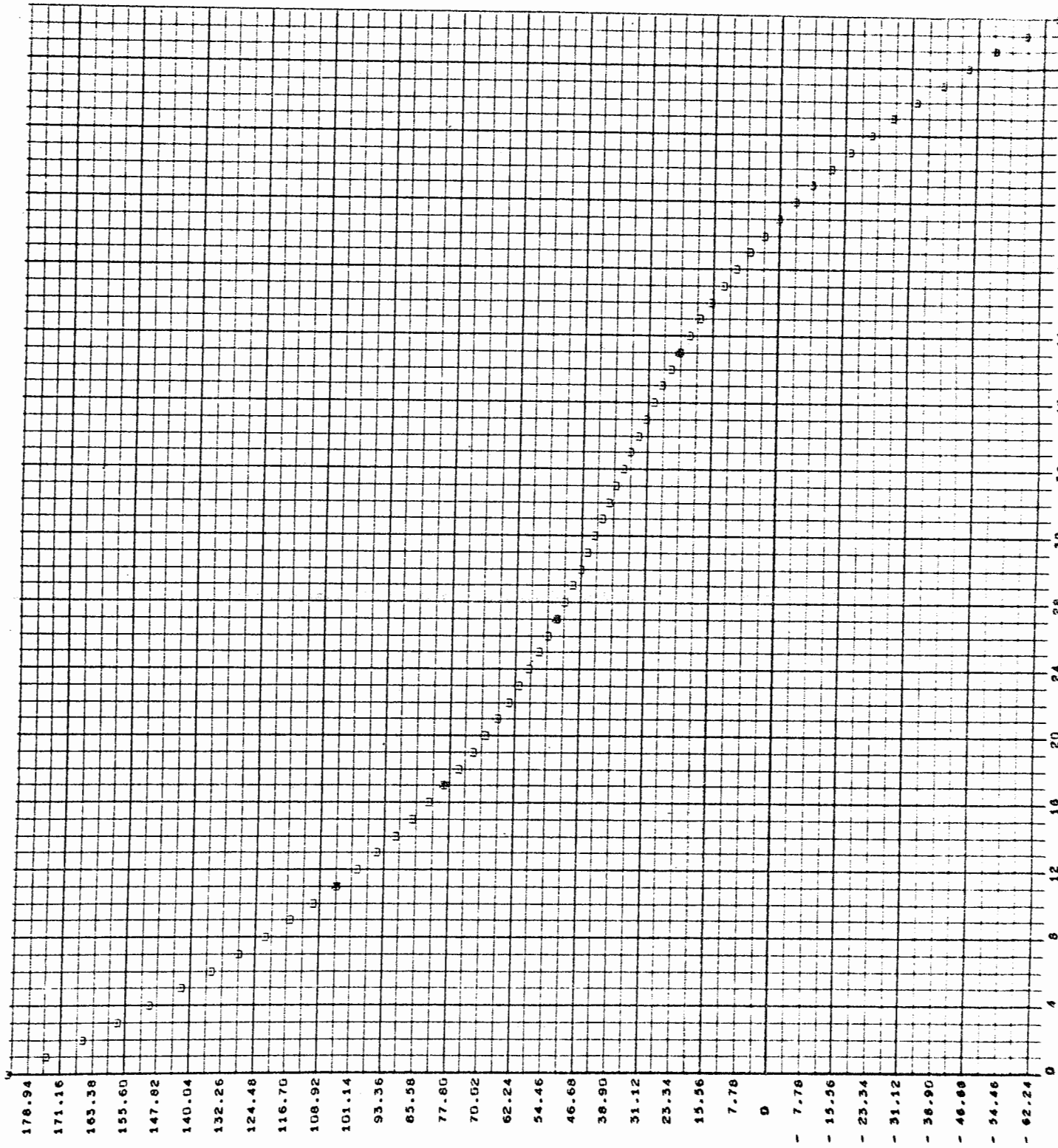
DEC	ENGINEERING UNITS	OCT	DEC	ENGINEERING UNITS	OCT	DN
DN		DN	DN		DN	
0	183.85815	0	32	43.54781	40	
1	174.65625	1	33	41.88221	41	
2	165.90200	2	34	40.22629	42	
3	157.58173	3	35	38.56635	43	
4	149.68174	4	36	36.88871	44	
5	142.18834	5	37	35.17969	45	
6	135.08785	6	38	33.42559	46	
7	128.36659	7	39	31.61274	47	
8	122.01085	10	40	29.72744	50	
9	116.00697	11	41	27.75601	51	
10	110.34125	12	42	25.68476	52	
11	105.00000	13	43	23.50000	53	
12	99.96954	14	44	21.18805	54	
13	95.23618	15	45	18.73522	55	
14	90.78623	16	46	16.12782	56	
15	86.60601	17	47	13.35217	57	
16	82.68183	20	48	10.39457	60	
17	79.00000	21	49	7.24135	61	
18	75.54684	22	50	3.87881	62	
19	72.30865	23	51	0.29327	63	
20	69.27176	24	52	-3.52896	64	
21	66.42248	25	53	-7.60156	65	
22	63.74711	26	54	-11.93823	66	
23	61.23197	27	55	-16.55264	67	
24	58.86338	30	56	-21.45849	70	
25	56.62764	31	57	-26.66947	71	
26	54.51108	32	58	-32.19925	72	
27	52.50000	33	59	-38.06154	73	
28	50.58072	34	60	-44.27000	74	
29	48.73954	35	61	-50.83834	75	
30	46.96279	36	62	-57.78024	76	
31	45.23678	37	63	-65.10938	77	

A0 0.18385815E 03 A1 -0.94302909E 01 A2 0.23067157E 00
A3 -0.22811498E-02 A4 0.00000000E-38 A5 0.00000000E-38

DRIVER 2 TEMPERATURE DEG F VS DN

RDRVBT C-223

02/11/72



TWTA 1 REFERENCE VOLTAGE VDC VS DN

RTAREFV C-224

02/11/72

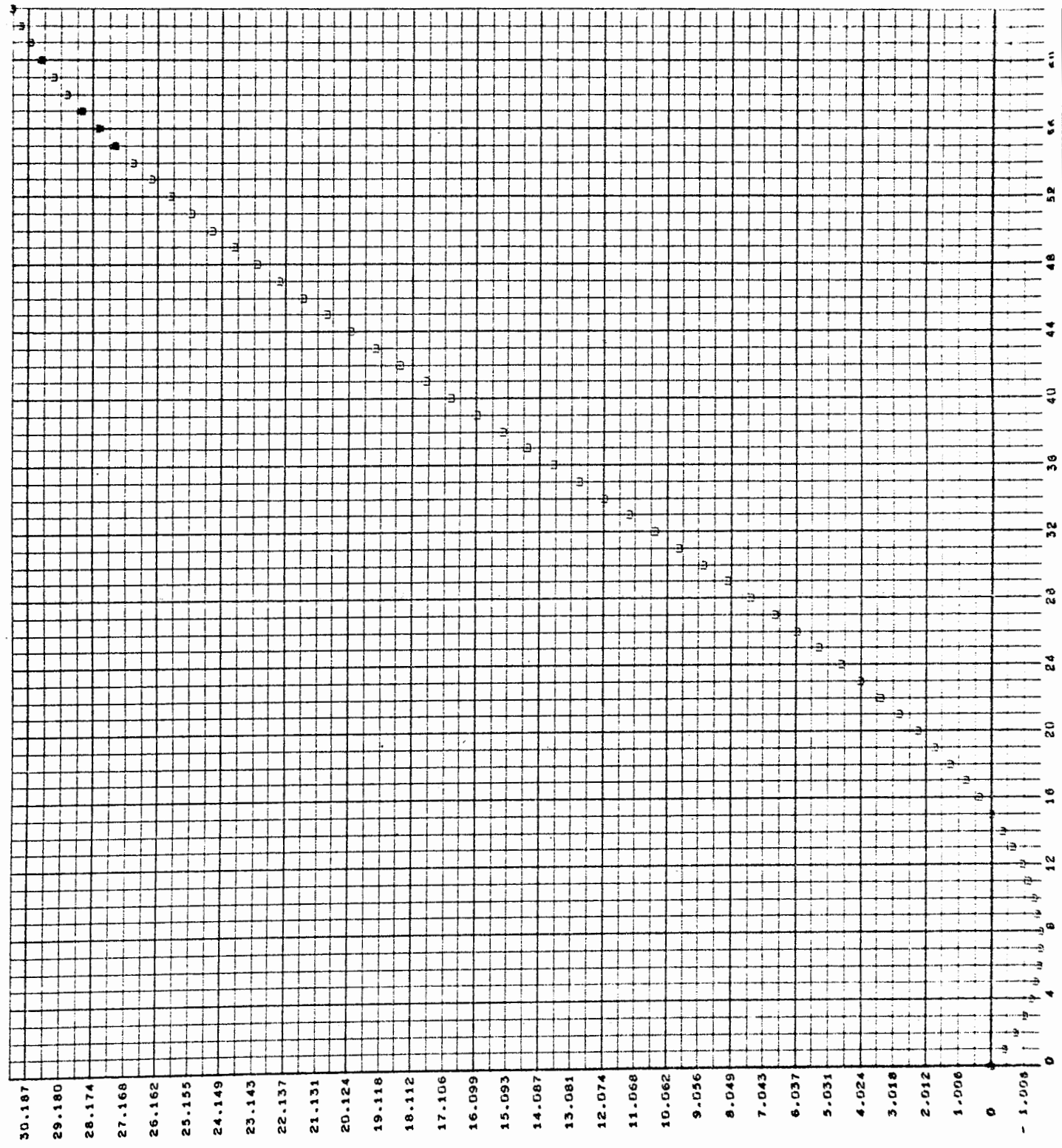
DEC DN	ENGINEERING UNITS	OCT DN	DEC DN	ENGINEERING UNITS	OCT DN
0	0.00000	0	32	10.48374	40
1	-0.39614	1	33	11.27202	41
2	-0.72798	2	34	12.06827	42
3	-0.99729	3	35	12.87074	43
4	-1.20583	4	36	13.67766	44
5	-1.35534	5	37	14.48726	45
6	-1.44761	6	38	15.29780	46
7	-1.48438	7	39	16.10750	47
8	-1.46741	10	40	16.91462	50
9	-1.39847	11	41	17.71739	51
10	-1.27932	12	42	18.51405	52
11	-1.11171	13	43	19.30283	53
12	-0.89741	14	44	20.08199	54
13	-0.63818	15	45	20.84976	55
14	-0.33577	16	46	21.60437	56
15	0.00805	17	47	22.34407	57
16	0.39153	20	48	23.06711	60
17	0.81290	21	49	23.77171	61
18	1.27040	22	50	24.45612	62
19	1.76228	23	51	25.11858	63
20	2.28677	24	52	25.75733	64
21	2.84211	25	53	26.37061	65
22	3.42654	26	54	26.95665	66
23	4.03831	27	55	27.51371	67
24	4.67564	30	56	28.04001	70
25	5.33679	31	57	28.53380	71
26	6.02000	32	58	28.99331	72
27	6.72349	33	59	29.41680	73
28	7.44552	34	60	29.80249	74
29	8.18432	35	61	30.14863	75
30	8.93813	36	62	30.45345	76
31	9.70519	37	63	30.71521	77

A0 0.85090318E-06 A1 -0.42887380E 00 A2 0.33027720E-01
A3 -0.29335590E-03 A4 0.00000000E-38 A5 0.00000000E-38

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RTAREFV C-224

TWTA 1 REFERENCE VOLTAGE VDC VS DN



1Y PSA LINE TEMPERATURE DEG F VS DN

TPLYT C-225

02/11/72

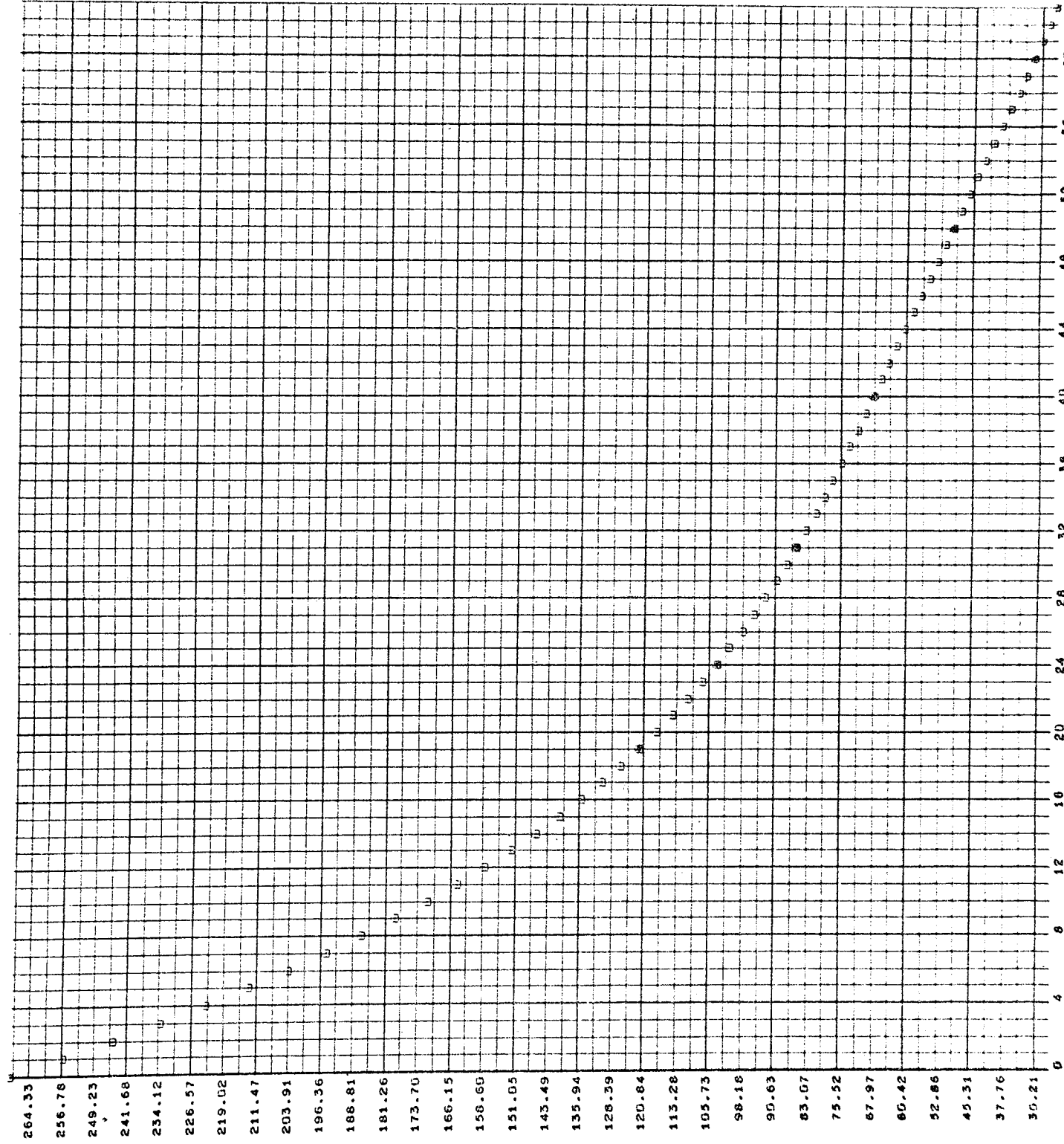
DEC DN	ENGINEERING UNITS	OCT DN	DEC DN	ENGINEERING UNITS	OCT DN
0	268.82054	0	32	83.68500	40
1	256.42288	1	33	81.57186	41
2	244.69032	2	34	79.52150	42
3	233.59459	3	35	77.52514	43
4	223.10803	4	36	75.57464	44
5	213.20360	5	37	73.66245	45
6	203.85484	6	38	71.78161	46
7	195.03592	7	39	69.92582	47
8	186.72163	10	40	68.08934	50
9	178.88735	11	41	66.26708	51
10	171.50909	12	42	64.45453	52
11	164.56343	13	43	62.64779	53
12	158.02761	14	44	60.84359	54
13	151.87945	15	45	59.03925	55
14	146.09737	16	46	57.23273	56
15	140.66044	17	47	55.42254	57
16	135.54829	20	48	53.60787	60
17	130.74120	21	49	51.78847	61
18	126.22002	22	50	49.96472	62
19	121.96626	23	51	48.13760	63
20	117.96200	24	52	46.30872	64
21	114.18993	25	53	44.48026	65
22	110.63338	26	54	42.65505	66
23	107.27625	27	55	40.83651	67
24	104.10309	30	56	39.02867	70
25	101.09903	31	57	37.23618	71
26	98.24981	32	58	35.46428	72
27	95.54180	33	59	33.71883	73
28	92.96196	34	60	32.00632	74
29	90.49787	35	61	30.33380	75
30	88.13771	36	62	28.70899	76
31	85.87029	37	63	27.14016	77

A0 0.26882054E 03 A1 -0.12739782E 02 A2 0.34696357E 00
 A3 -0.48639307E-02 A4 0.25394514E-04 A5 0.00000000E-38

Y FSA LINE TEMPERATURE DEG F VS DN

IFLYT C-225

02/11/72



-Y PSA LINE TEMPERATURE DEG F VS DN

TMIYT C-226

02/11/72

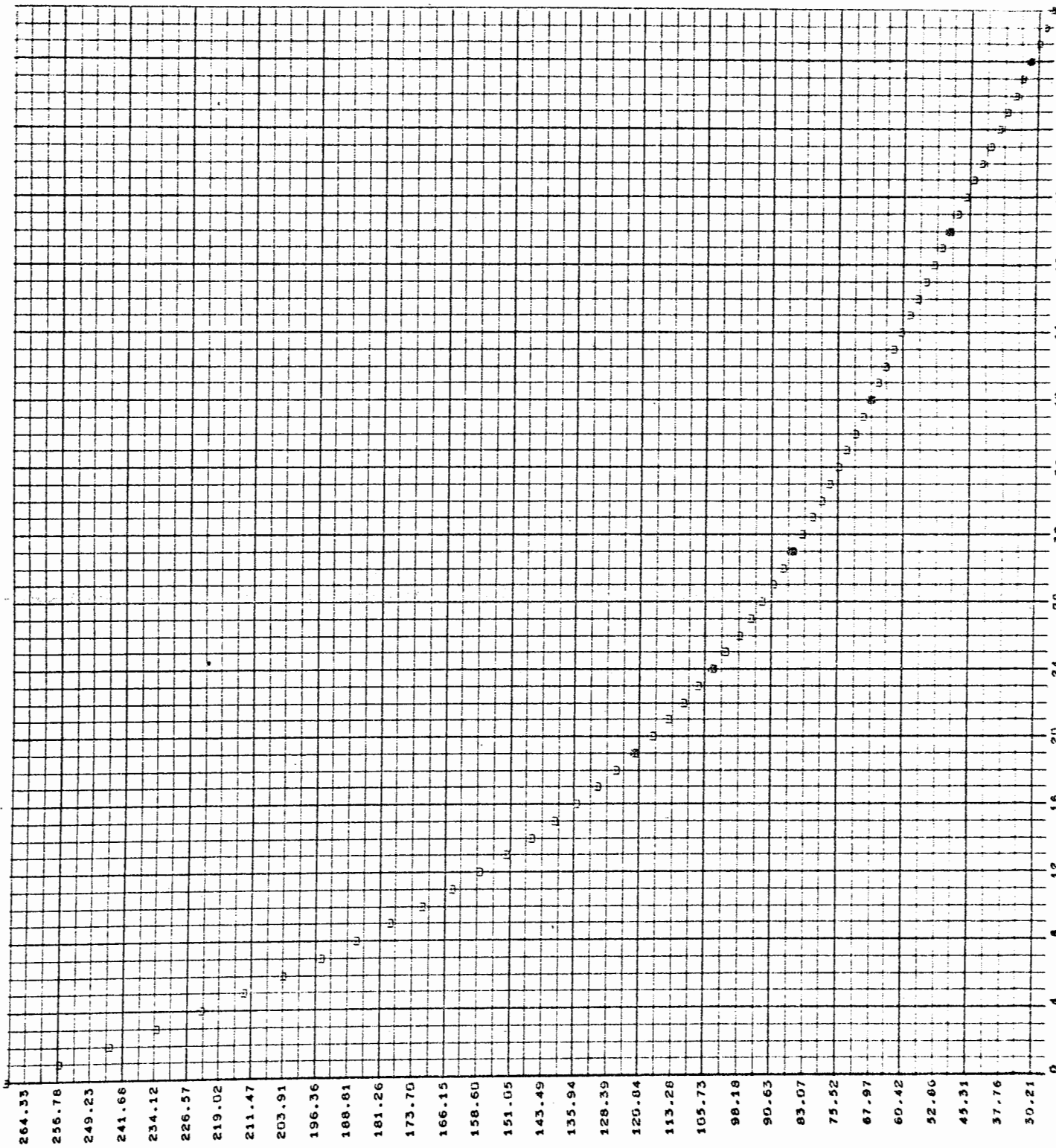
DEC	ENGINEERING UNITS	OCT	DEC	ENGINEERING UNITS	OCT
DN		DN	DN		DN
0	268.82054	0	32	83.68500	40
1	256.42288	1	33	81.57186	41
2	244.69032	2	34	79.52150	42
3	233.59459	3	35	77.52514	43
4	223.10803	4	36	75.57464	44
5	213.20360	5	37	73.66245	45
6	203.85484	6	38	71.78161	46
7	195.03592	7	39	69.92582	47
8	186.72163	10	40	68.08934	50
9	178.88735	11	41	66.26708	51
10	171.50909	12	42	64.45453	52
11	164.56343	13	43	62.64779	53
12	158.02761	14	44	60.84359	54
13	151.87945	15	45	59.03925	55
14	146.09737	16	46	57.23273	56
15	140.66044	17	47	55.42254	57
16	135.54829	20	48	53.60787	60
17	130.74120	21	49	51.78847	61
18	126.22002	22	50	49.96472	62
19	121.96626	23	51	48.13760	63
20	117.96200	24	52	46.30872	64
21	114.18993	25	53	44.48026	65
22	110.63338	26	54	42.65505	66
23	107.27625	27	55	40.83651	67
24	104.10309	30	56	39.02867	70
25	101.09903	31	57	37.23618	71
26	98.24981	32	58	35.46428	72
27	95.54180	33	59	33.71883	73
28	92.96196	34	60	32.00632	74
29	90.49787	35	61	30.33380	75
30	88.13771	36	62	28.70899	76
31	85.87029	37	63	27.14016	77

A0 0.26882054E 03 A1 -0.12739782E 02 A2 0.34696357E 00
A3 -0.48639307E-02 A4 0.25394514E-04 A5 0.0000000E-38

02/11/72

TMIYT C-226

-Y PSA LINE TEMPERATURE DEG F VS DN



RECEIVER 2 TEMPERATURE DEG F VS DN RRBVOCT C-227 02/11/72

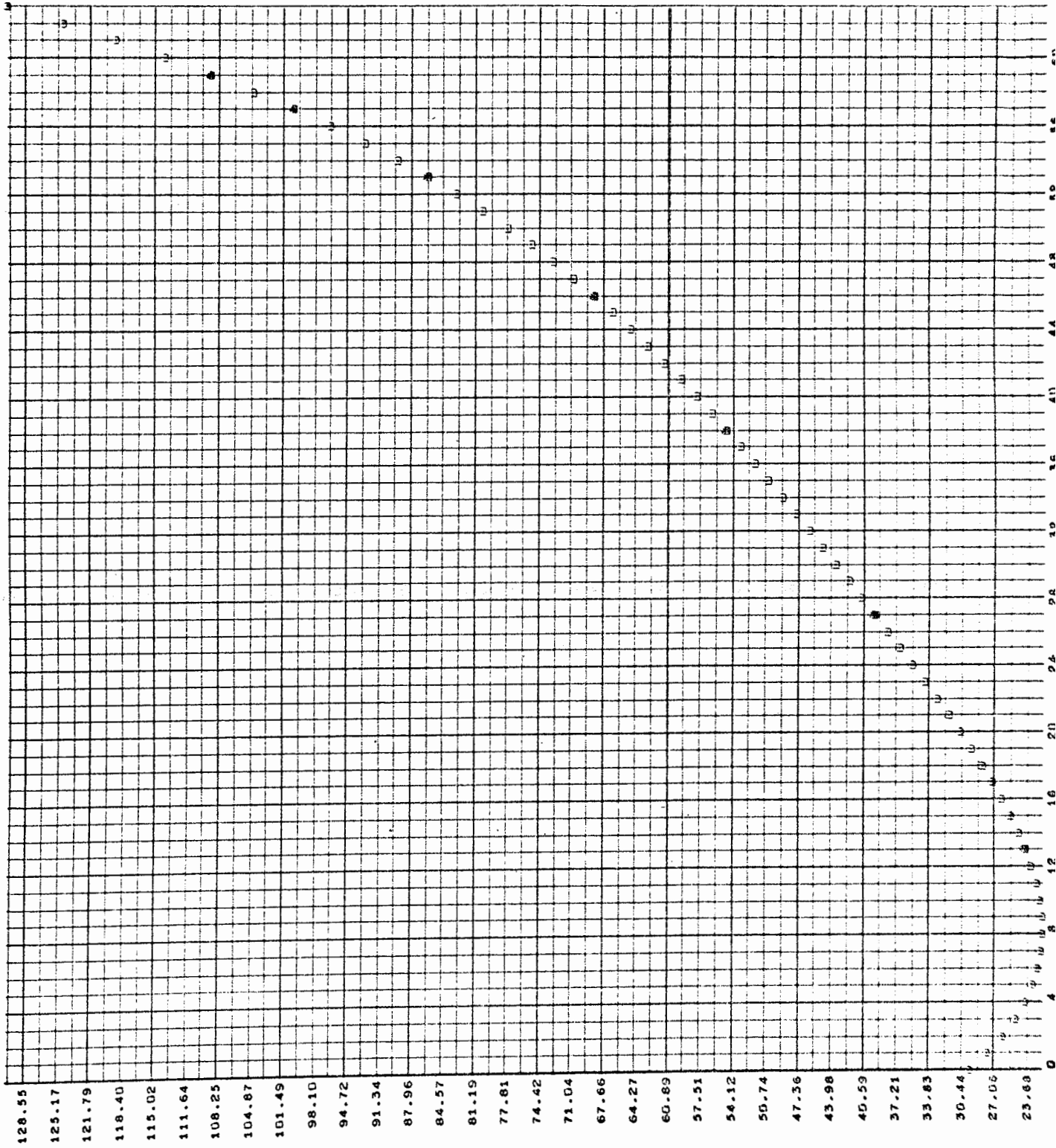
DEC	ENGINEERING UNITS	OCT	DN	DEC	ENGINEERING UNITS	OCT	DN
0	29.58564	0		32	46.28767	40	
1	27.76054	1		33	47.67671	41	
2	26.23447	2		34	49.07953	42	
3	24.98756	3		35	50.49890	43	
4	24.00059	4		36	51.93831	44	
5	23.25509	5		37	53.40196	45	
6	22.73329	6		38	54.89477	46	
7	22.41811	7		39	56.42233	47	
8	22.29320	10		40	57.99098	50	
9	22.34292	11		41	59.60776	51	
10	22.55232	12		42	61.28039	52	
11	22.90717	13		43	63.01734	53	
12	23.39395	14		44	64.82776	54	
13	23.99985	15		45	66.72152	55	
14	24.71276	16		46	68.70920	56	
15	25.52129	17		47	70.80208	57	
16	26.41475	20		48	73.01216	60	
17	27.38317	21		49	75.35215	61	
18	28.41726	22		50	77.83544	62	
19	29.50849	23		51	80.47617	63	
20	30.64898	24		52	83.28917	64	
21	31.83160	25		53	86.28996	65	
22	33.04592	26		54	89.49481	66	
23	34.29821	27		55	92.92067	67	
24	35.57145	30		56	96.58519	70	
25	36.86534	31		57	100.50676	71	
26	38.17628	32		58	104.70446	72	
27	39.50137	33		59	109.19808	73	
28	40.83844	34		60	114.00811	74	
29	42.18602	35		61	119.15578	75	
30	43.54333	36		62	124.66299	76	
31	44.91033	37		63	130.55237	77	

A0 0.29585641E 02 A1 -0.19814387E 01 A2 0.15979759E 00
A3 -0.34940239E-02 A4 0.29532919E-04 A5 0.00000000E-38

02/11/72

RRBVOCT C-227

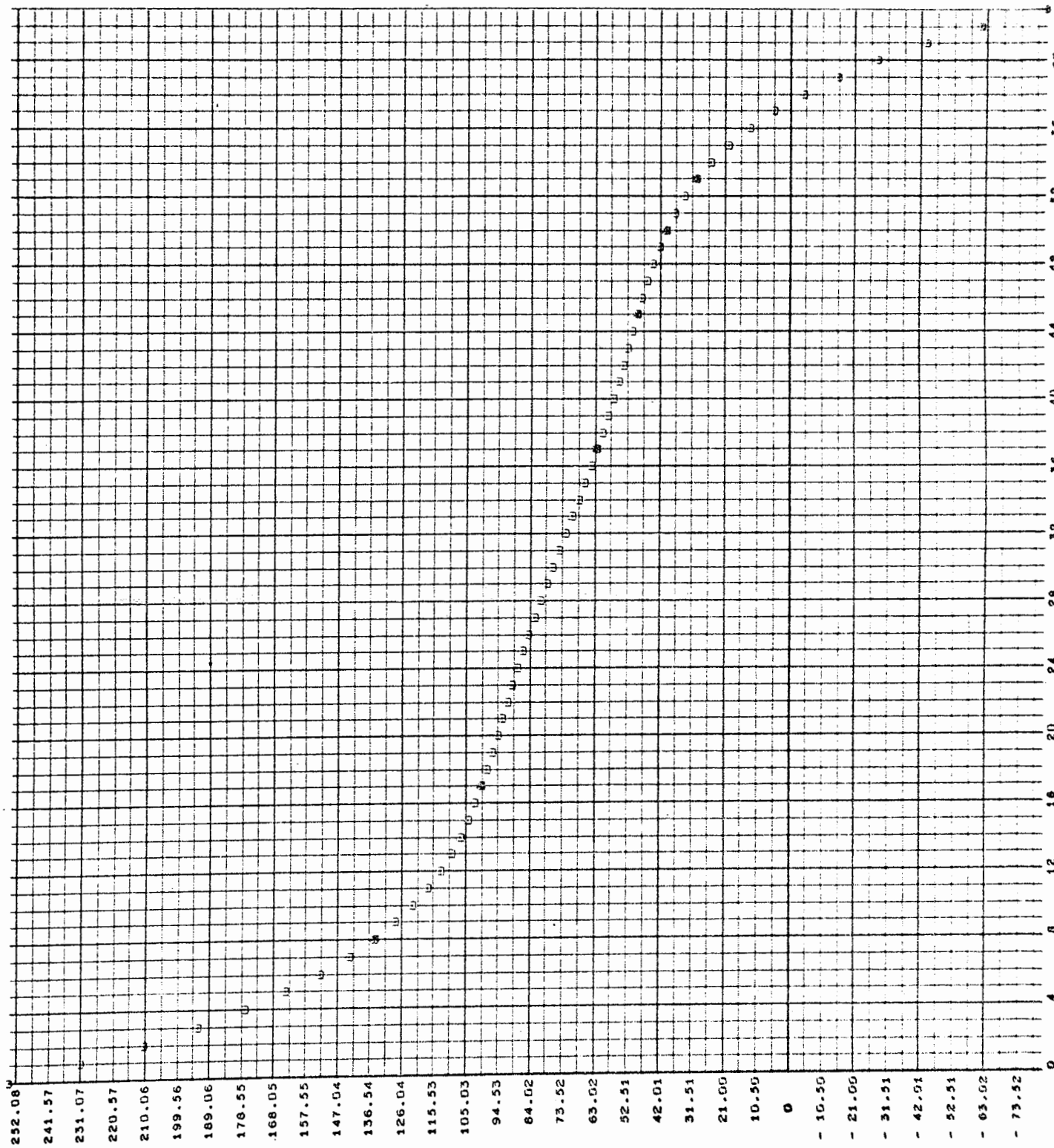
RECEIVER 2 TEMPERATURE DEG F VS DN



TWTA 2 TEMPERATURE DEG F VS DN RTWTBT C-228 02/11/72

DEC DN	ENGINEERING UNITS	OCT DN	DEC DN	ENGINEERING UNITS	OCT DN
0	254.66739	0	32	72.50222	40
1	231.07643	1	33	70.43095	41
2	210.52850	2	34	68.38091	42
3	192.70926	3	35	66.36682	43
4	177.32565	4	36	64.40193	44
5	164.10520	5	37	62.49738	45
6	152.79532	6	38	60.66147	46
7	143.16253	7	39	58.89891	47
8	134.99186	10	40	57.21008	50
9	128.08603	11	41	55.59051	51
10	122.26481	12	42	54.02999	52
11	117.36428	13	43	52.51181	53
12	113.23613	14	44	51.01225	54
13	109.74694	15	45	49.49977	55
14	106.77750	16	46	47.93422	56
15	104.22204	17	47	46.26627	57
16	101.98761	20	48	44.43671	60
17	99.99326	21	49	42.37544	61
18	98.16944	22	50	40.00122	62
19	96.45718	23	51	37.22069	63
20	94.80750	24	52	33.92744	64
21	93.18060	25	53	30.00191	65
22	91.54519	26	54	25.31026	66
23	89.87778	27	55	19.70355	67
24	88.16199	30	56	13.01718	70
25	86.38778	31	57	5.07056	71
26	84.55081	32	58	-4.33426	72
27	82.65167	33	59	-15.41300	73
28	80.69522	34	60	-28.39962	74
29	78.68984	35	61	-43.54756	75
30	76.64676	36	62	-61.12992	76
31	74.57931	37	63	-81.44041	77

AC 0.25466739E 03 A1 -0.25222714E 02 A2 0.16887354E 01
 A3 -0.57918811E-01 A4 0.94615023E-03 A5 -0.59166608E-05



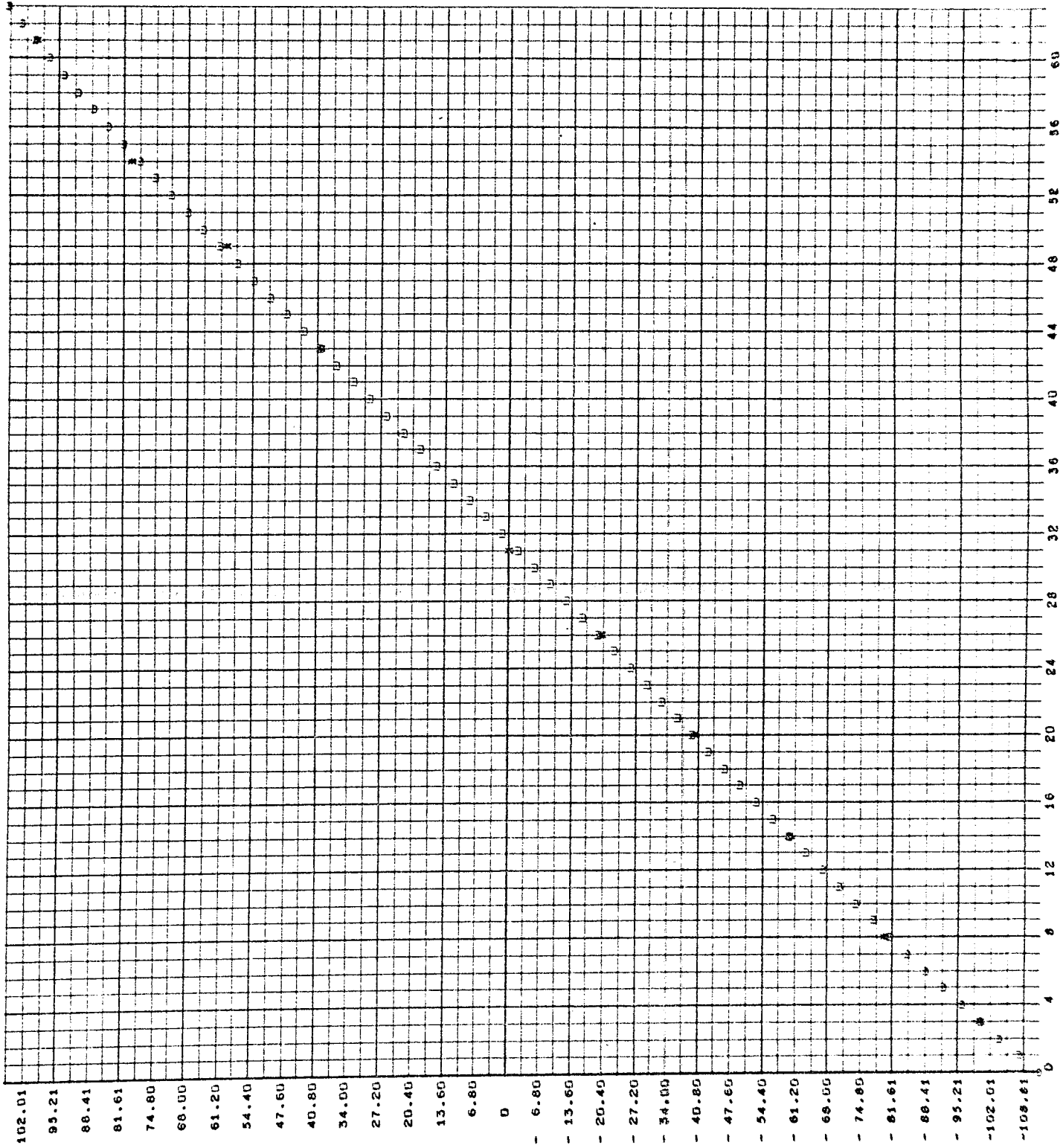
DEC DN	ENGINEERING UNITS	OCT DN	DEC DN	ENGINEERING UNITS	OCT DN
0	-111.74321	0	32	1.56782	40
1	-107.62832	1	33	5.04821	41
2	-103.59832	2	34	8.54035	42
3	-99.64688	3	35	12.04372	43
4	-95.76786	4	36	15.55762	44
5	-91.95536	5	37	19.08108	45
6	-88.20367	6	38	22.61296	46
7	-84.50733	7	39	26.15189	47
8	-80.86105	10	40	29.69629	50
9	-77.25979	11	41	33.24436	51
10	-73.69871	12	42	36.79408	52
11	-70.17318	13	43	40.34324	53
12	-66.67879	14	44	43.88939	54
13	-63.21134	15	45	47.42988	55
14	-59.76685	16	46	50.96185	56
15	-56.34155	17	47	54.48221	57
16	-52.93188	20	48	57.98766	60
17	-49.53451	21	49	61.47471	61
18	-46.14630	22	50	64.93962	62
19	-42.76434	23	51	68.37845	63
20	-39.38594	24	52	71.78706	64
21	-36.00861	25	53	75.16108	65
22	-32.63008	26	54	78.49592	66
23	-29.24829	27	55	81.78680	67
24	-25.86140	30	56	85.02871	70
25	-22.46777	31	57	88.21642	71
26	-19.06601	32	58	91.34450	72
27	-15.65490	33	59	94.40730	73
28	-12.23346	34	60	97.39895	74
29	-8.80093	35	61	100.31338	75
30	-5.35672	36	62	103.14429	76
31	-1.90052	37	63	105.88517	77

A0	-0.11174321E 03	A1	0.41594951E 01	A2	-0.45711593E-01
A3	0.11099018E-02	A4	-0.89201088E-05	A5	0.00000000E-38

02/11/72

RRBSFEM C-229

RECEIVER 2 LOOP STRESS KHZ VS DN



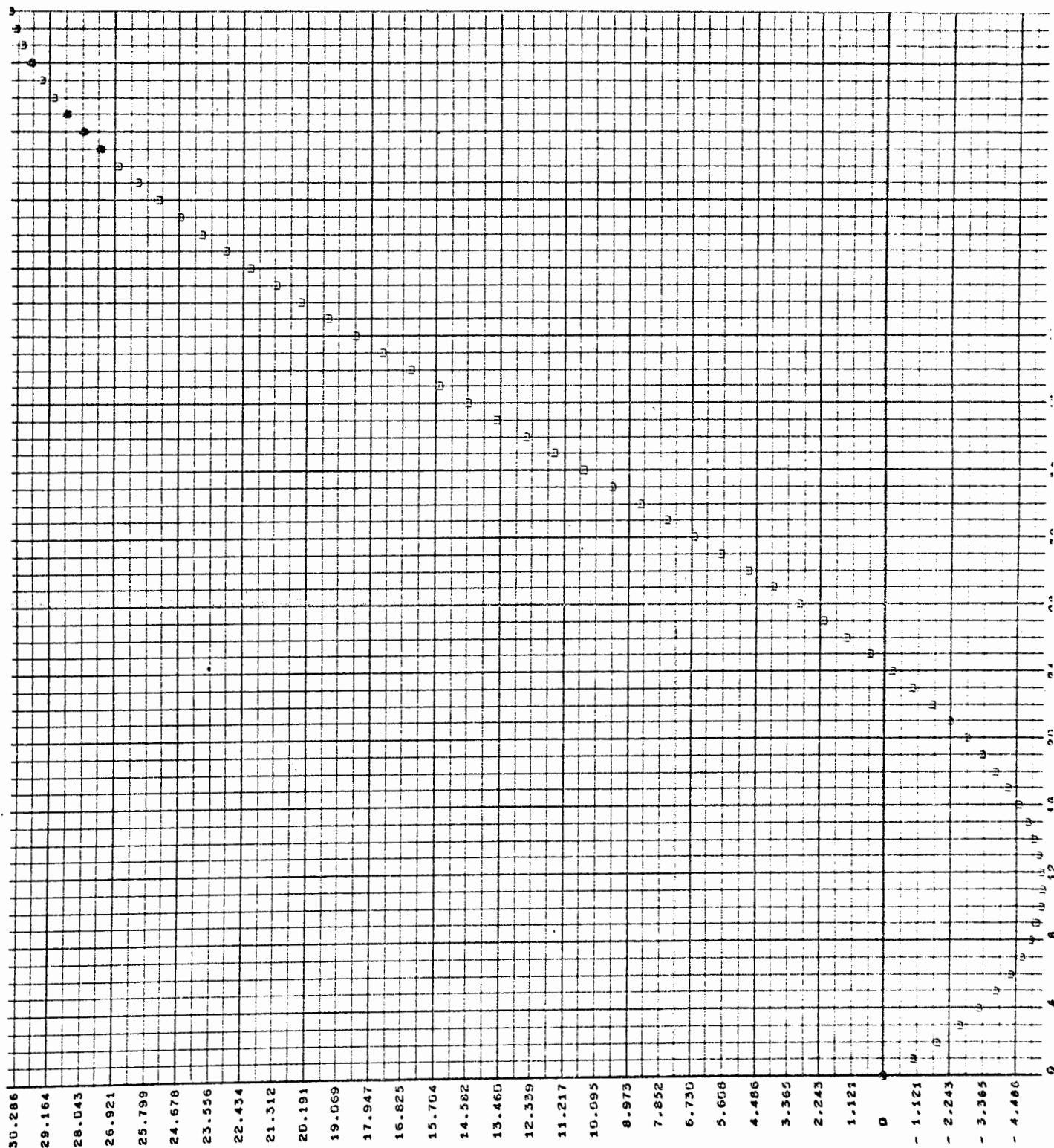
DEC DN	ENGINEERING UNITS	OCT DN	DEC DN	ENGINEERING UNITS	OCT DN
C	0.0000	0	32	6.65464	40
1	-0.96119	1	33	7.61692	41
2	-1.81910	2	34	8.59336	42
3	-2.57651	3	35	9.58115	43
4	-3.23621	4	36	10.57752	44
5	-3.80098	5	37	11.57968	45
6	-4.27361	6	38	12.58485	46
7	-4.65688	7	39	13.59024	47
8	-4.95358	10	40	14.59306	50
9	-5.16649	11	41	15.59053	51
10	-5.29840	12	42	16.57987	52
11	-5.35210	13	43	17.55828	53
12	-5.33037	14	44	18.52298	54
13	-5.23600	15	45	19.47119	55
14	-5.07177	16	46	20.40013	56
15	-4.84046	17	47	21.30699	57
16	-4.54487	20	48	22.18901	60
17	-4.18778	21	49	23.04339	61
18	-3.77197	22	50	23.86736	62
19	-3.30023	23	51	24.65811	63
20	-2.77534	24	52	25.41288	64
21	-2.20010	25	53	26.12886	65
22	-1.57728	26	54	26.80329	66
23	-0.90968	27	55	27.43336	67
24	-0.20007	30	56	28.01630	70
25	0.54876	31	57	28.54932	71
26	1.33401	32	58	29.02964	72
27	2.15292	33	59	29.45446	73
28	3.00268	34	60	29.82101	74
29	3.88052	35	61	30.12650	75
30	4.78365	36	62	30.36814	76
31	5.70929	37	63	30.54315	77

A0 0.34699141E-06 A1 -0.10137644E 01 A2 0.53034940E-01
A3 -0.46425422E-03 A4 0.00000000E-38 A5 0.00000000E-38

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RTBREFV C-230

IWA 2 REFERENCE VOLTAGE VDC VS DN



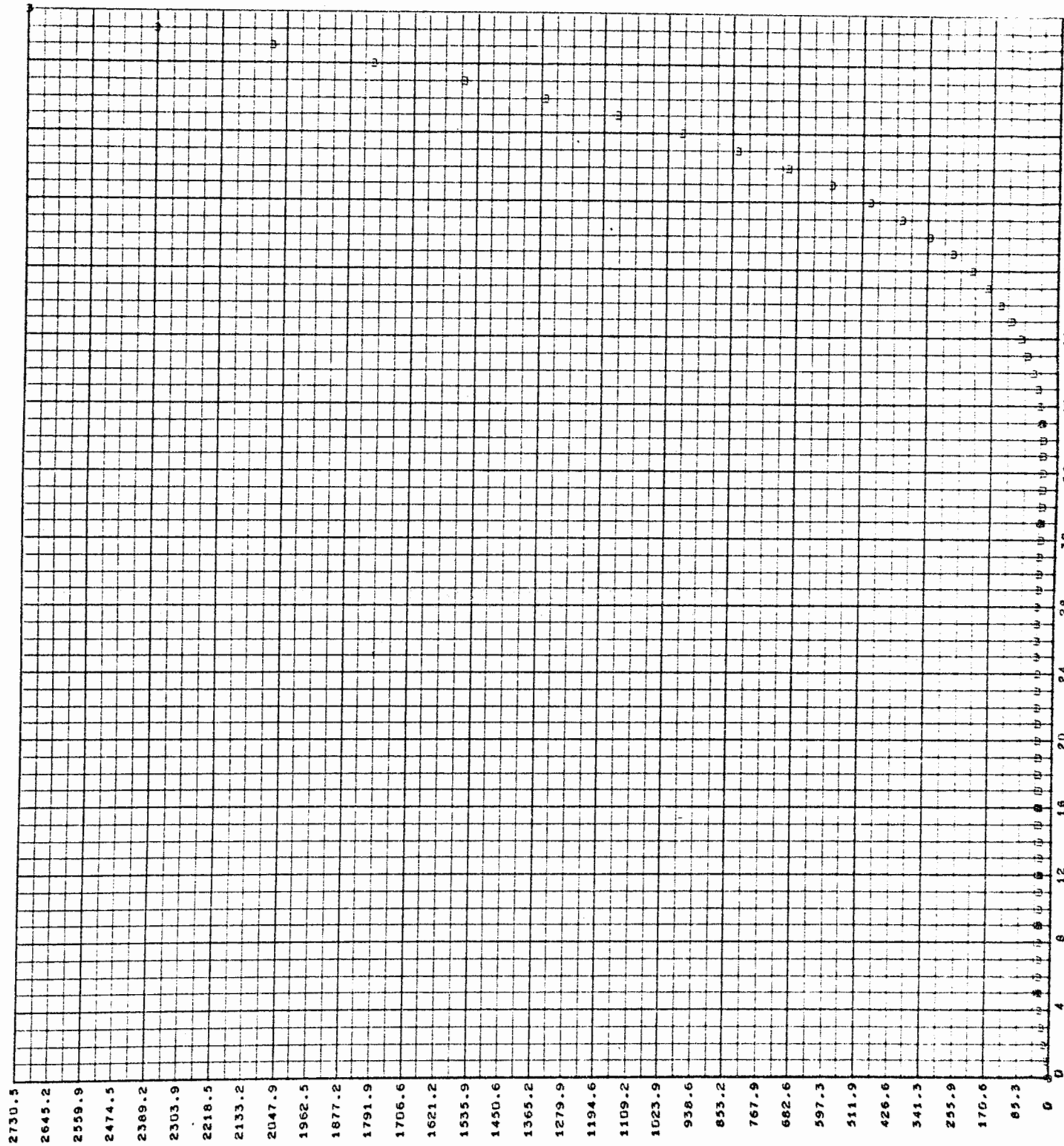
TWTA 1 POWER OUTPUT DBM VS DN

RTARFW C-231

02/11/72

DEC DN	ENGINEERING UNITS DN	OCT DN	DEC DN	ENGINEERING UNITS DN	OCT DN
0	0.03063	0	32	40.82766	40
1	10.53786	1	33	39.39284	41
2	18.33758	2	34	38.05563	42
3	23.93615	3	35	37.00608	43
4	27.78180	4	36	36.47576	44
5	30.26771	5	37	36.74059	45
6	31.73514	6	38	38.12457	46
7	32.47655	7	39	41.00228	47
8	32.73866	10	40	45.80243	50
9	32.72565	11	41	53.01062	51
10	32.60221	12	42	63.17273	52
11	32.49668	13	43	76.89791	53
12	32.50414	14	44	94.86183	54
13	32.68956	15	45	117.80948	55
14	33.09090	16	46	146.55859	56
15	33.72220	17	47	182.00263	57
16	34.57674	20	48	225.11413	60
17	35.63010	21	49	276.94712	61
18	36.84332	22	50	338.64109	62
19	38.16600	23	51	411.42378	63
20	39.53939	24	52	496.61404	64
21	40.89955	25	53	595.62521	65
22	42.18041	26	54	709.96818	66
23	43.31694	27	55	841.25473	67
24	44.24822	30	56	991.20020	70
25	44.92057	31	57	1161.62648	71
26	45.29068	32	58	1354.46623	72
27	45.32869	33	59	1571.76462	73
28	45.02134	34	60	1815.68323	74
29	44.37505	35	61	2088.50299	75
30	43.41905	36	62	2392.62750	76
31	42.20852	37	63	2730.58566	77

AC 0.30626438E-01 A1 0.12044954E 02 A2 -0.16349034E 01
A3 0.99843494E-01 A4 -0.26826157E-02 A5 0.25950505E-04



RECEIVER 1 SIGNAL STRENGTH DBM VS DN

RRASSTRM C-232

02/11/72

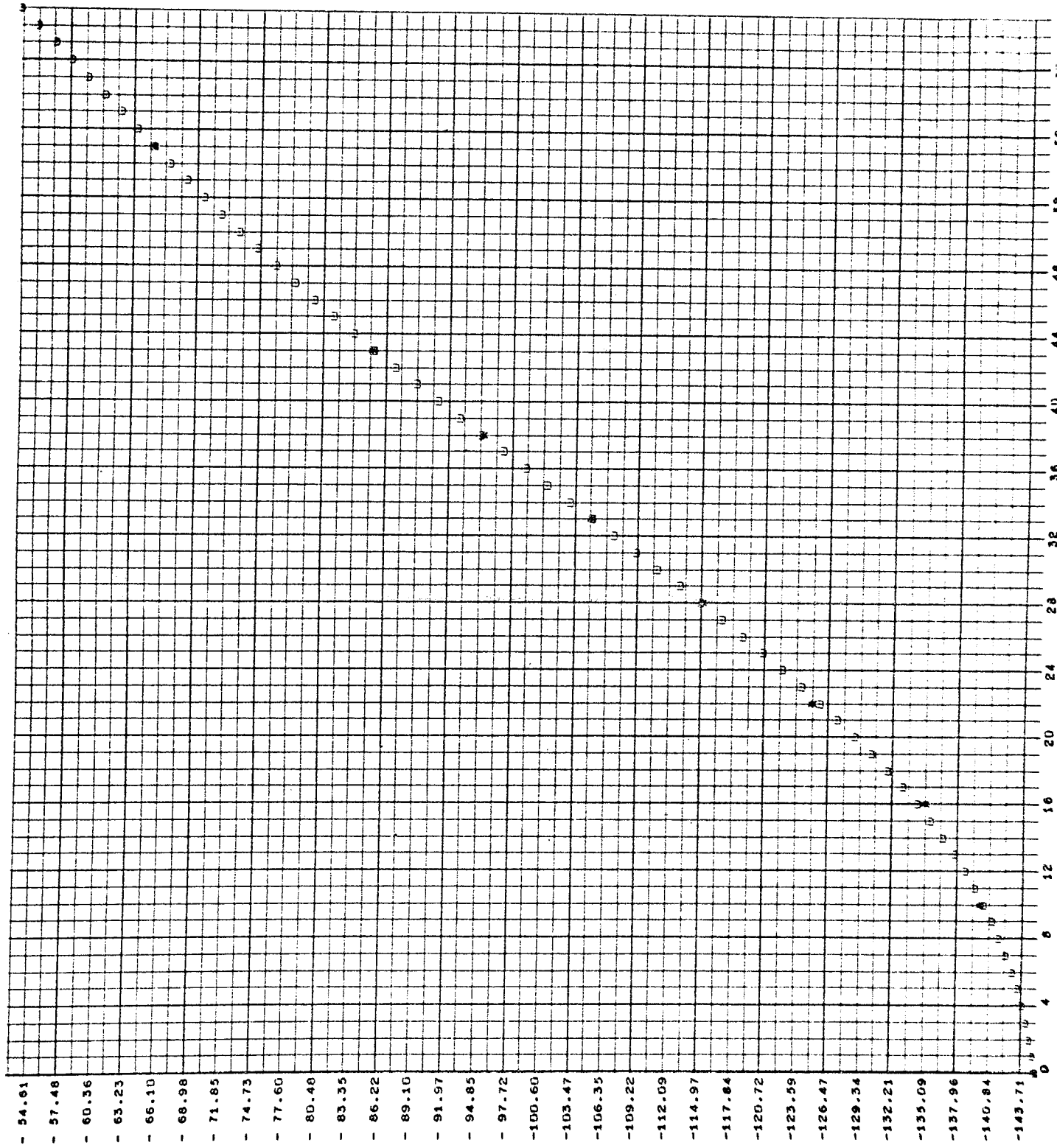
DEC	ENGINEERING UNITS	OCT	DEC	ENGINEERING UNITS	GCT
DN		DN	DN		DN
0	-144.97372	0	32	-106.98084	40
1	-144.69738	1	33	-104.96439	41
2	-144.39898	2	34	-102.94019	42
3	-144.06919	3	35	-100.91307	43
4	-143.69964	4	36	-98.88777	44
5	-143.28290	5	37	-96.86884	45
6	-142.81244	6	38	-94.86066	46
7	-142.28260	7	39	-92.86739	47
8	-141.68859	10	40	-90.89291	50
9	-141.02638	11	41	-88.94083	51
10	-140.29272	12	42	-87.01442	52
11	-139.48512	13	43	-85.11659	53
12	-138.60175	14	44	-83.24987	54
13	-137.64147	15	45	-81.41634	55
14	-136.60378	16	46	-79.61762	56
15	-135.48875	17	47	-77.85483	57
16	-134.29704	20	48	-76.12858	60
17	-133.02581	21	49	-74.43889	61
18	-131.68875	22	50	-72.78518	62
19	-130.27598	23	51	-71.16626	63
20	-128.79407	24	52	-69.58023	64
21	-127.24595	25	53	-68.02451	65
22	-125.63494	26	54	-66.49580	66
23	-123.96468	27	55	-64.98999	67
24	-122.23907	30	56	-63.50220	70
25	-120.46231	31	57	-62.02668	71
26	-118.63877	32	58	-60.55681	72
27	-116.77305	33	59	-59.08509	73
28	-114.86988	34	60	-57.60304	74
29	-112.93412	35	61	-56.10123	75
30	-110.97070	36	62	-54.56920	76
31	-108.98460	37	63	-52.99546	77

A0	-0.14497372E 03	A1	0.26868273E 00	A2	0.58936664E-02
A3	0.18106005E-02	A4	-0.43431926E-04	A5	0.28526308E-06

RECEIVER 1 SIGNAL STRENGTH DBM VS DN

RRASSTRM C-232

02/11/72



PLATFRM I TEMPERATURES DEG F VS DN

TPLATT C-301

02/11/72

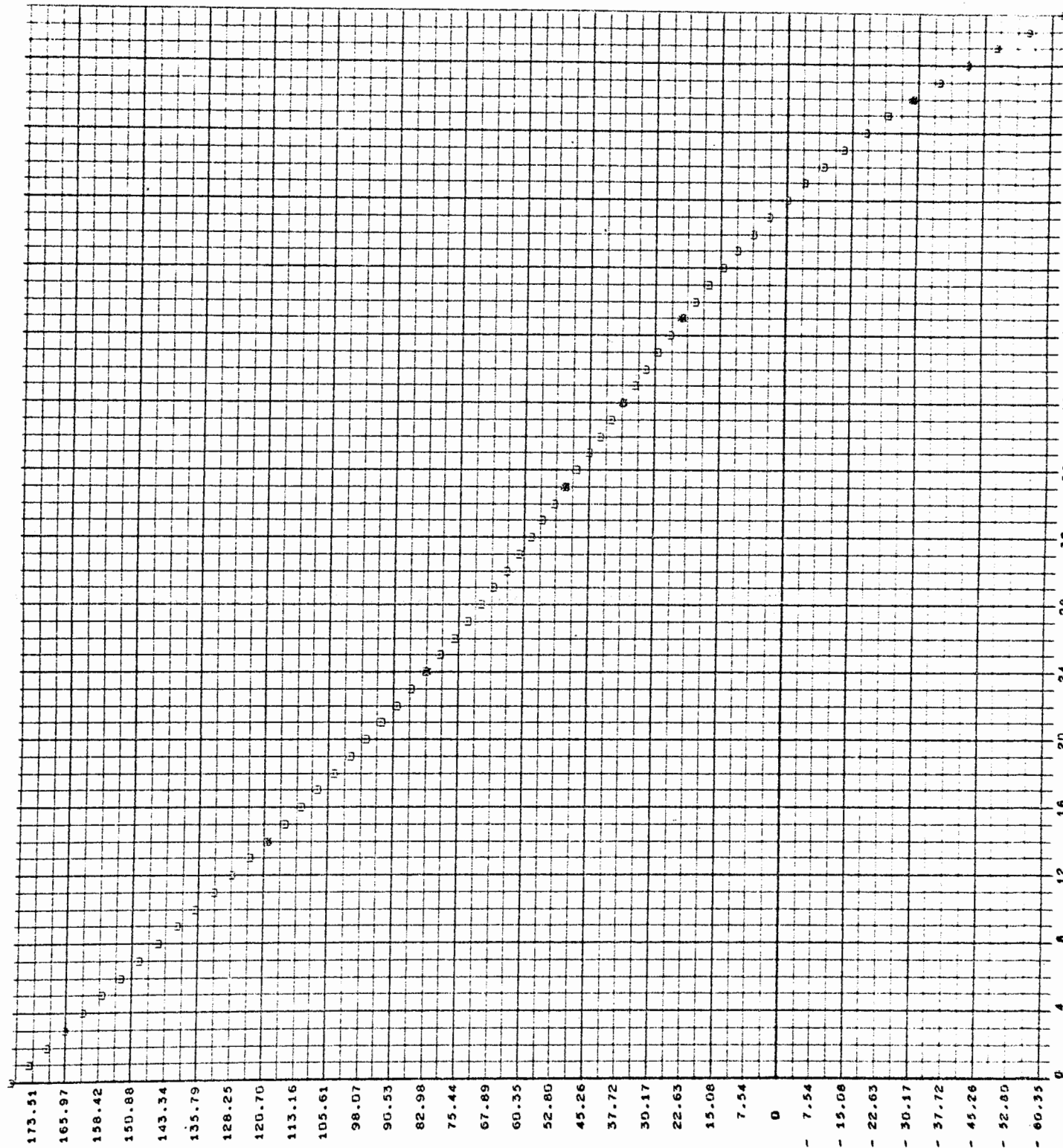
DEC DN	ENGINEERING UNITS	OCT DN	DEC DN	ENGINEERING UNITS	OCT DN
0	178.63728	0	32	58.93846	40
1	174.60599	1	33	56.20089	41
2	170.50839	2	34	53.50490	42
3	166.34672	3	35	50.84280	43
4	162.13855	4	36	48.20619	44
5	157.89677	5	37	45.58602	45
6	153.63358	6	38	42.97252	46
7	149.36048	7	39	40.35525	47
8	145.08831	10	40	37.72308	50
9	140.82719	11	41	35.06420	51
10	136.58659	12	42	32.36612	52
11	132.37528	13	43	29.61563	53
12	128.20132	14	44	26.79889	54
13	124.07212	15	45	23.90131	55
14	119.99439	16	46	20.90767	56
15	115.97415	17	47	17.80202	57
16	112.01674	20	48	14.56776	60
17	108.12680	21	49	11.18758	61
18	104.30831	22	50	7.64349	62
19	100.56453	23	51	3.91682	63
20	96.89808	24	52	-0.01179	64
21	93.31084	25	53	-4.16238	65
22	89.80404	26	54	-8.55569	66
23	86.37823	27	55	-13.21315	67
24	83.03323	30	56	-18.15685	70
25	79.76823	31	57	-23.40957	71
26	76.58169	32	58	-28.99481	72
27	73.47140	33	59	-34.93672	73
28	70.43448	34	60	-41.26015	74
29	67.46733	35	61	-47.99064	75
30	64.56570	36	62	-55.15441	76
31	61.72462	37	63	-62.77835	77

A0	0.17863728E 03	A1	-0.39852020E 01	A2	-0.44602347E-01
A3	0.25474180E-02	A4	-0.28584811E-04	A5	0.00000000E-38

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I-PLA111 C-301

PLATFORM 1 TEMPERATURES DEG F VS DN



PLATFORM 2 TEMPERATURES DEG F VS DN

TPLAT2T C-302

02/11/72

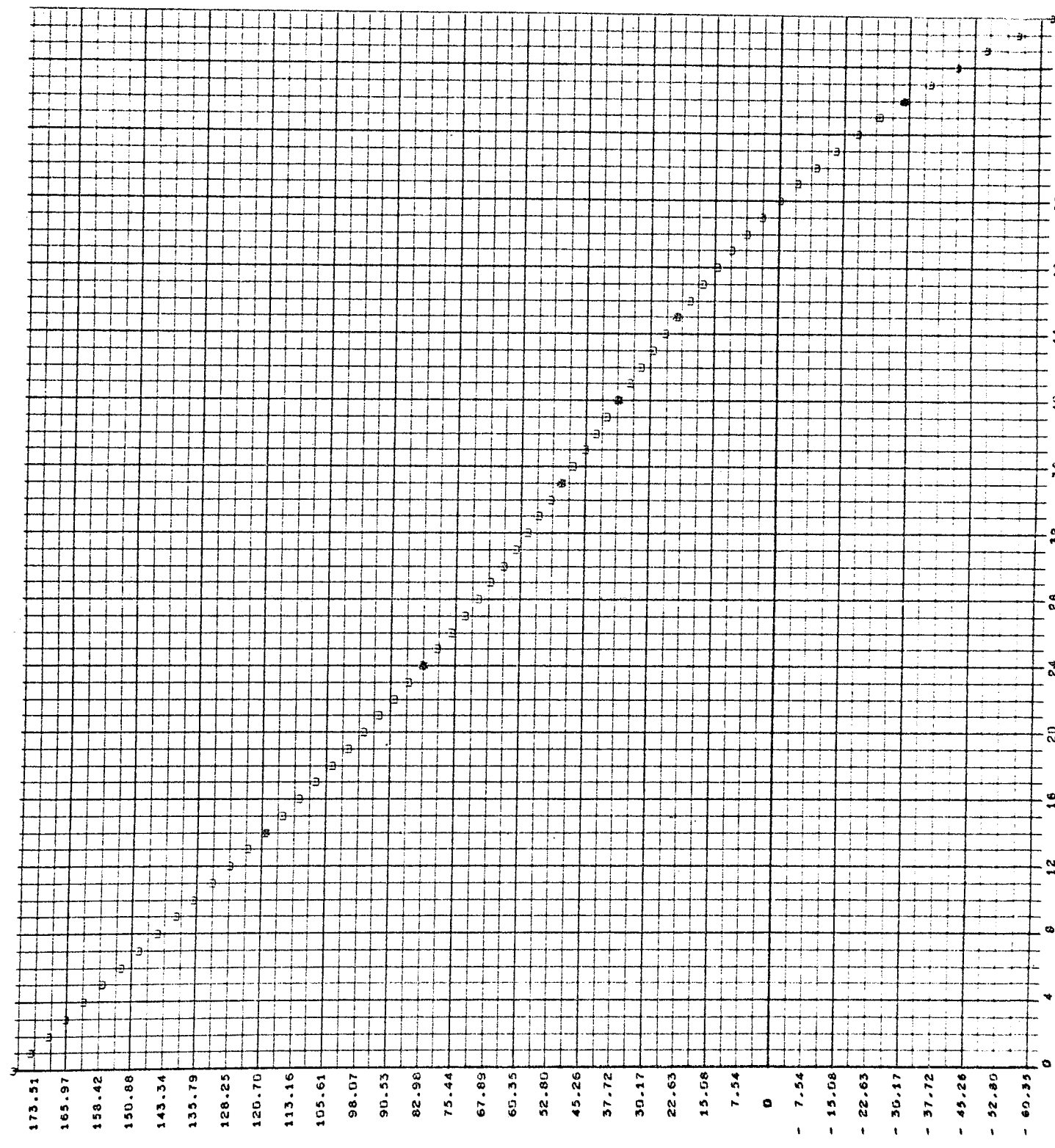
DEC DN	ENGINEERING UNITS	OCT DN	DEC DN	ENGINEERING UNITS	OCT DN
0	178.63728	0	32	58.93846	40
1	174.60999	1	33	56.20089	41
2	170.50839	2	34	53.50490	42
3	166.34672	3	35	50.84280	43
4	162.13855	4	36	48.20619	44
5	157.89677	5	37	45.58602	45
6	153.63358	6	38	42.97252	46
7	149.36048	7	39	40.35525	47
8	145.08831	10	40	37.72308	50
9	140.82719	11	41	35.06420	51
10	136.58659	12	42	32.36612	52
11	132.37528	13	43	29.61563	53
12	128.20132	14	44	26.79889	54
13	124.07212	15	45	23.90131	55
14	119.99439	16	46	20.90767	56
15	115.97415	17	47	17.80202	57
16	112.01674	20	48	14.56776	60
17	108.12680	21	49	11.18758	61
18	104.30831	22	50	7.64349	62
19	100.56453	23	51	3.91682	63
20	96.89808	24	52	-0.01179	64
21	93.31084	25	53	-4.16238	65
22	89.80404	26	54	-8.55569	66
23	86.37823	27	55	-13.21315	67
24	83.03323	30	56	-18.15685	70
25	79.76823	31	57	-23.40957	71
26	76.58169	32	58	-28.99481	72
27	73.47140	33	59	-34.93672	73
28	70.43448	34	60	-41.26015	74
29	67.46733	35	61	-47.99064	75
30	64.56570	36	62	-55.15441	76
31	61.72462	37	63	-62.77835	77

A0	0.17863728E 03	A1	-0.39852020E 01	A2	-0.44602347E-01
A3	0.25474180E-02	A4	-0.28584811E-04	A5	0.00000000E-38

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IFLAT121 C-302

PLATFORM 2 TEMPERATURES DEG F VS DN



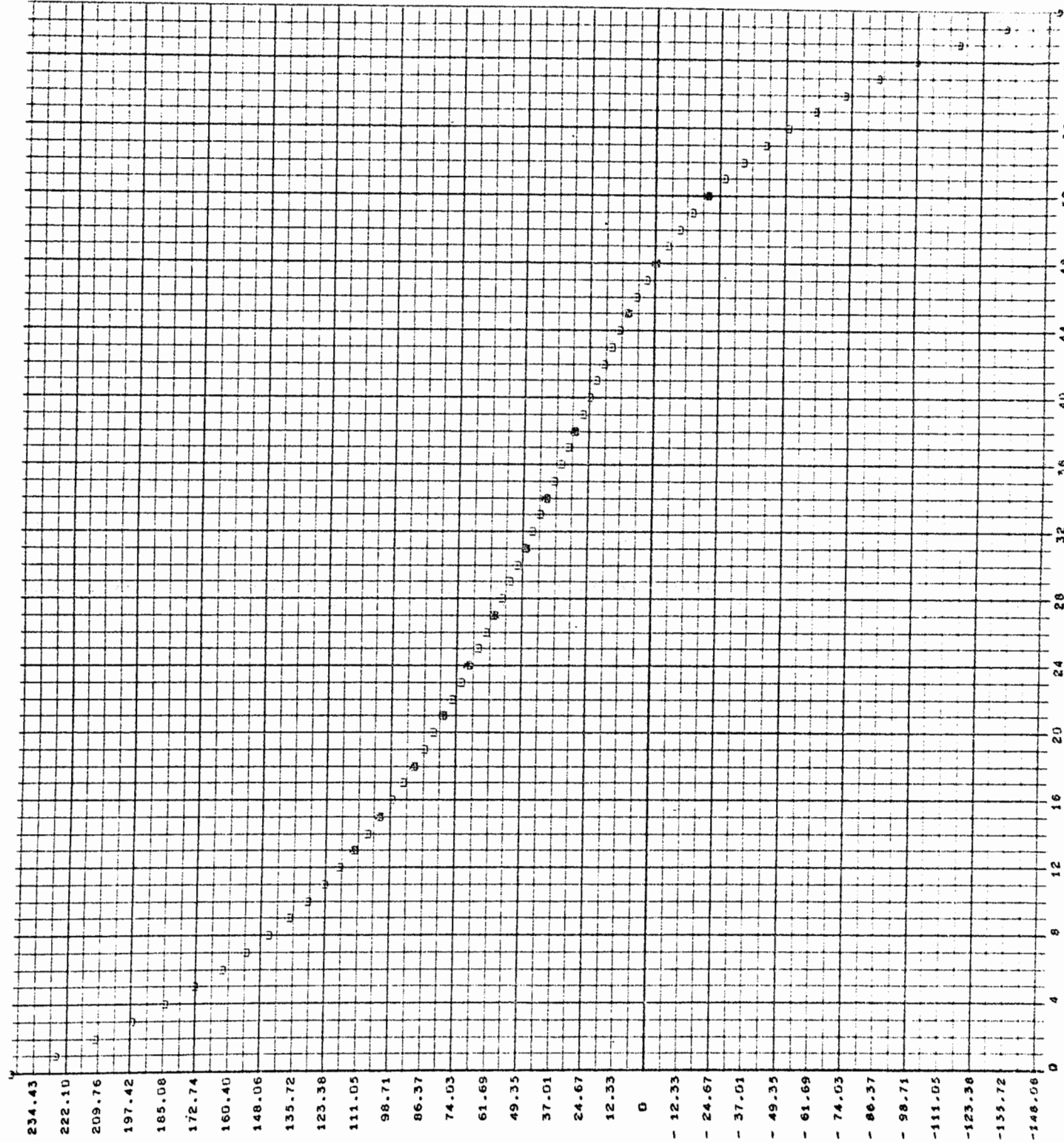
SRA TEMPERATURE DEG F VS DN

TSRAT C-303

02/11/72

DEC DN	ENGINEERING UNITS	OCT DN	DEC DN	ENGINEERING UNITS	OCT DN
0	243.25670	0	32	45.87462	40
1	226.27705	1	33	43.14688	41
2	210.92446	2	34	40.45536	42
3	197.04583	3	35	37.79538	43
4	184.49843	4	36	35.16079	44
5	173.14952	5	37	32.54361	45
6	162.87599	6	38	29.93366	46
7	153.56398	7	39	27.31822	47
8	145.10852	10	40	24.68161	50
9	137.41317	11	41	22.00485	51
10	130.38960	12	42	19.26526	52
11	123.95731	13	43	16.43617	53
12	118.04317	14	44	13.48644	54
13	112.58110	15	45	10.38020	55
14	107.51171	16	46	7.07635	56
15	102.78187	17	47	3.52836	57
16	98.34442	20	48	-0.31629	60
17	94.15774	21	49	-4.51628	61
18	90.18542	22	50	-9.13701	62
19	86.39584	23	51	-14.25081	63
20	82.76187	24	52	-19.93745	64
21	79.26044	25	53	-26.28436	65
22	75.87220	26	54	-33.38715	66
23	72.58115	27	55	-41.34988	67
24	69.37426	30	56	-50.28546	70
25	66.24110	31	57	-60.31602	71
26	63.17350	32	58	-71.57327	72
27	60.16513	33	59	-84.19887	73
28	57.21116	34	60	-98.34478	74
29	54.30791	35	61	-114.17380	75
30	51.45243	36	62	-131.85959	76
31	48.64218	37	63	-151.58744	77

A0 0.24325670E 03 A1 -0.17846878E 02 A2 0.89498430E 00
 A3 -0.28215413E-01 A4 0.46265731E-03 A5 -0.30790145E-05



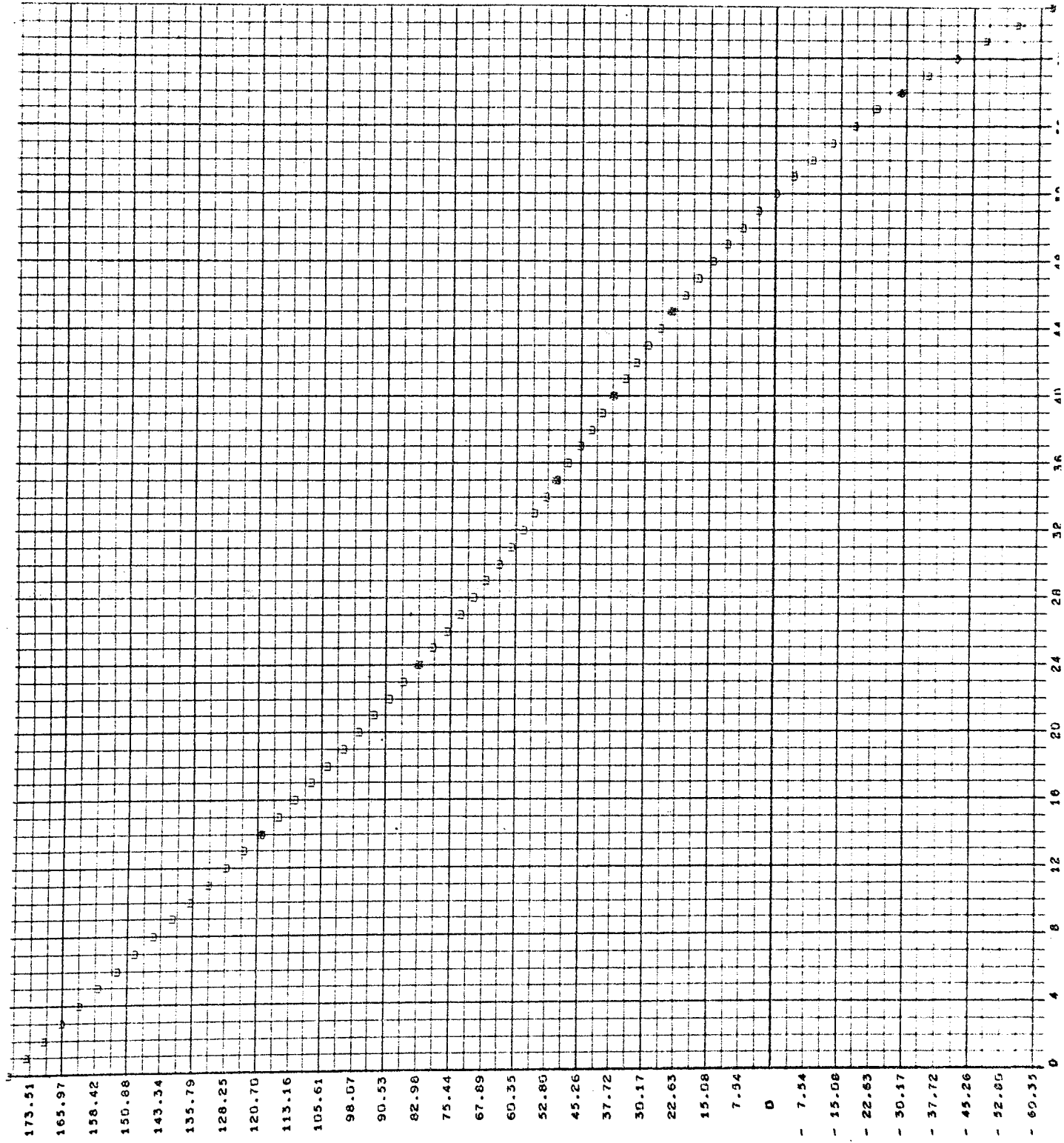
PLATFORM 3 TEMPERATURES DEG F VS DN

IPLAT3T C-304

02/11/72

DEC DN	ENGINEERING UNITS	OCT DN	DEC DN	ENGINEERING UNITS	OCT DN
0	178.63728	0	32	58.93846	40
1	174.60999	1	33	56.20089	41
2	170.50839	2	34	53.50490	42
3	166.34672	3	35	50.84280	43
4	162.13855	4	36	48.20619	44
5	157.89677	5	37	45.58602	45
6	153.63358	6	38	42.97252	46
7	149.36048	7	39	40.35525	47
8	145.08831	10	40	37.72308	50
9	140.82719	11	41	35.06420	51
10	136.58659	12	42	32.36612	52
11	132.37528	13	43	29.61563	53
12	128.20132	14	44	26.79889	54
13	124.07212	15	45	23.90131	55
14	119.99439	16	46	20.90767	56
15	115.97415	17	47	17.80202	57
16	112.01674	20	48	14.56776	60
17	108.12680	21	49	11.18758	61
18	104.30831	22	50	7.64349	62
19	100.56453	23	51	3.91682	63
20	96.89808	24	52	-0.01179	64
21	93.31084	25	53	-4.16238	65
22	89.80404	26	54	-8.55569	66
23	86.37823	27	55	-13.21315	67
24	83.03323	30	56	-18.15685	70
25	79.76823	31	57	-23.40957	71
26	76.58169	32	58	-28.99481	72
27	73.47140	33	59	-34.93672	73
28	70.43448	34	60	-41.26015	74
29	67.46733	35	61	-47.99064	75
30	64.56570	36	62	-55.15441	76
31	61.72462	37	63	-62.77835	77

A0 0.17863728E 03 A1 -0.39852020E 01 A2 -0.44602347E-01
 A3 0.25474180E-02 A4 -0.28584811E-04 A5 0.00000000E-38



THRUSTER CLUSTER ASSEMBLY TEMPERATURES DEG F VS DN AVELCIT C-309 02/11/72

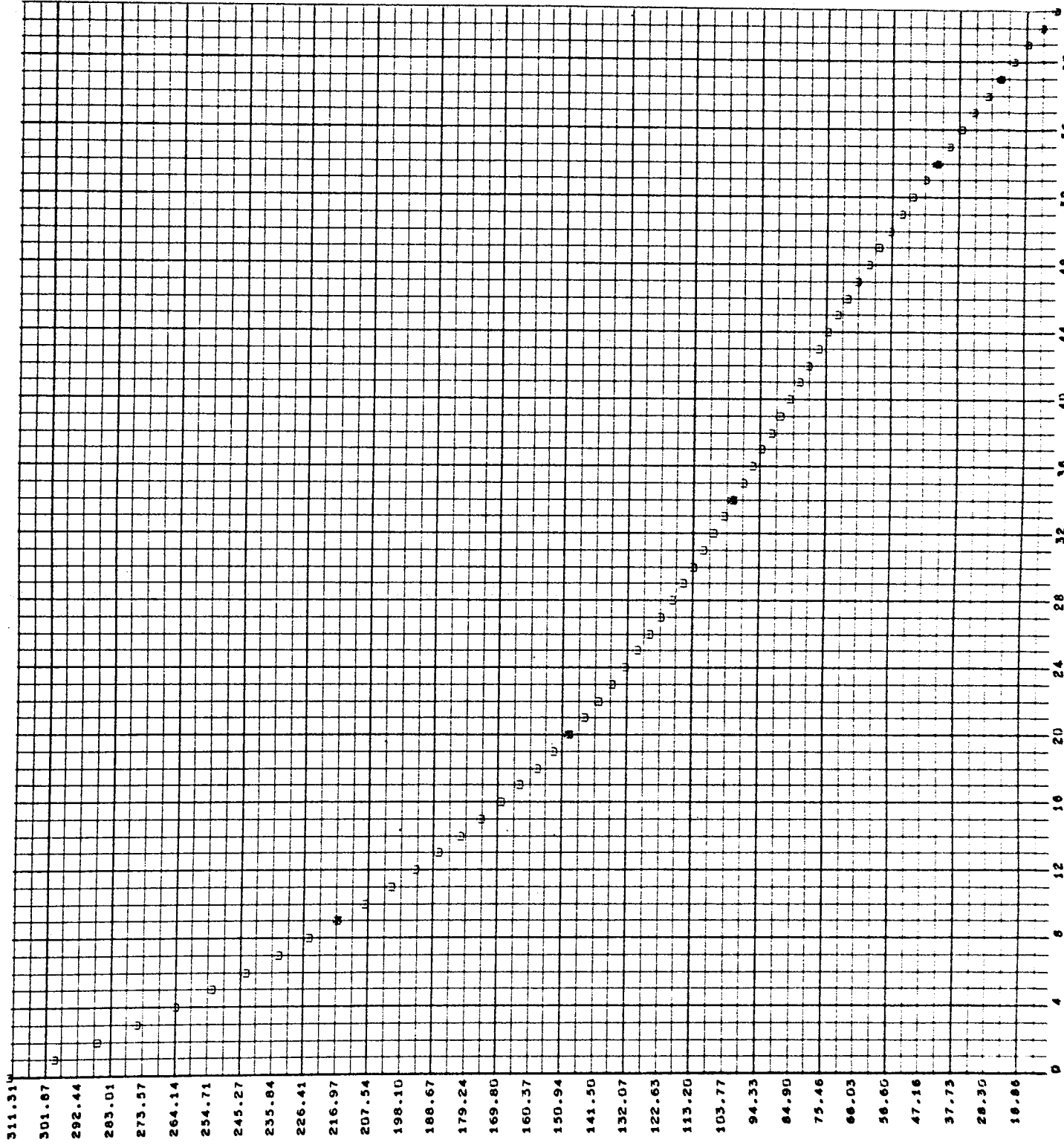
DEC DN	ENGINEERING UNITS	OCT DN	DEC DN	ENGINEERING UNITS	OCT DN
0	312.35764	0	32	107.51432	40
1	259.27762	1	33	104.73482	41
2	286.86789	2	34	102.00001	42
3	275.10067	3	35	99.29912	43
4	263.94868	4	36	96.62191	44
5	253.38517	5	37	93.95869	45
6	243.38396	6	38	91.30028	46
7	233.91937	7	39	88.63804	47
8	224.96625	10	40	85.96388	50
9	216.50000	11	41	83.27020	51
10	208.49655	12	42	80.54998	52
11	200.93236	13	43	77.79670	53
12	193.78440	14	44	75.00439	54
13	187.03022	15	45	72.16759	55
14	180.64786	16	46	69.28141	56
15	174.61590	17	47	66.34145	57
16	168.91346	20	48	63.34388	60
17	163.52021	21	49	60.28537	61
18	158.41631	22	50	57.16314	62
19	153.58250	23	51	53.97495	63
20	149.00000	24	52	50.71906	64
21	144.65062	25	53	47.39431	65
22	140.51665	26	54	44.00002	66
23	136.58094	27	55	40.53608	67
24	132.82687	30	56	37.00290	70
25	129.23836	31	57	33.40142	71
26	125.79983	32	58	29.73313	72
27	122.49627	33	59	26.00001	73
28	119.31319	34	60	22.20462	74
29	116.23661	35	61	18.35004	75
30	113.25312	36	62	14.43985	76
31	110.34981	37	63	10.47819	77

AC 0.31235764E 03 A1 -0.13424570E 02 A2 0.34929354E 00
A3 -0.47665291E-02 A4 0.22178606E-04 A5 0.00000000E-38

02/11/72

AVELCIT C-309

THRUSTER CLUSTER ASSEMBLY TEMPERATURES DEG F VS DN



THRUSTER CLUSTER ASSEMBLY TEMPERATURES DEG F VS DN ASPHCLT C-310 02/11/72

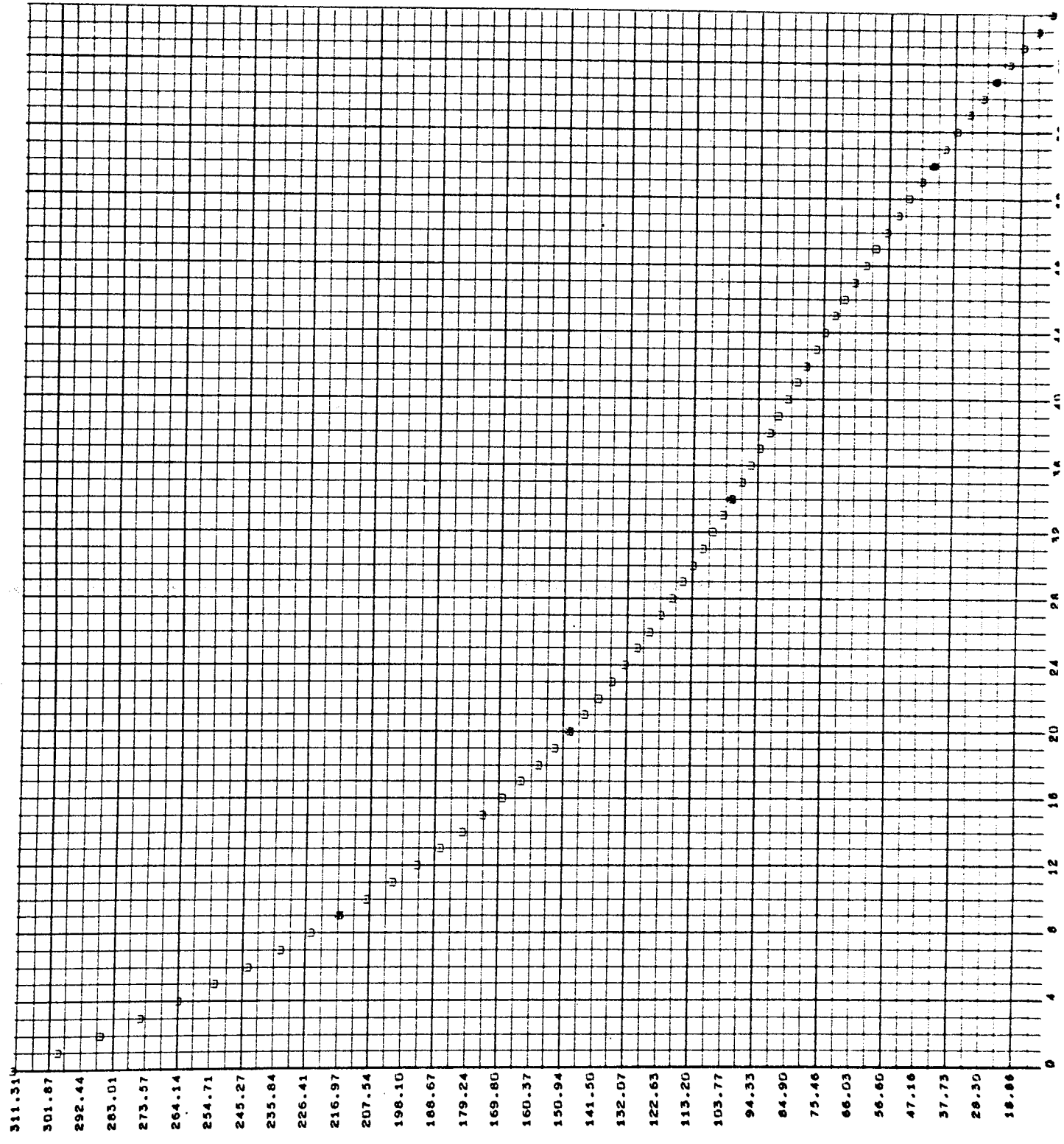
DEC DN	ENGINEERING UNITS	OCT DN	DEC DN	ENGINEERING UNITS	OCT DN
0	312.35764	0	32	107.51432	40
1	299.27762	1	33	104.73482	41
2	286.86789	2	34	102.00001	42
3	275.10067	3	35	99.29912	43
4	263.94868	4	36	96.62191	44
5	253.38517	5	37	93.95869	45
6	243.38396	6	38	91.30028	46
7	233.91937	7	39	88.63804	47
8	224.96625	10	40	85.96388	50
9	216.50000	11	41	83.27020	51
10	208.49655	12	42	80.54998	52
11	200.93236	13	43	77.79670	53
12	193.78440	14	44	75.00439	54
13	187.03022	15	45	72.16759	55
14	180.64786	16	46	69.28141	56
15	174.61590	17	47	66.34145	57
16	168.91346	20	48	63.34388	60
17	163.52021	21	49	60.28537	61
18	158.41631	22	50	57.16314	62
19	153.58250	23	51	53.97495	63
20	149.00000	24	52	50.71906	64
21	144.65062	25	53	47.39431	65
22	140.51665	26	54	44.00002	66
23	136.58094	27	55	40.53608	67
24	132.82687	30	56	37.00290	70
25	129.23836	31	57	33.40142	71
26	125.79983	32	58	29.73313	72
27	122.49627	33	59	26.00001	73
28	119.31319	34	60	22.20462	74
29	116.23661	35	61	18.35004	75
30	113.25312	36	62	14.43985	76
31	110.34981	37	63	10.47819	77

A0 0.31235764E 03 A1 -0.13424570E 02 A2 0.34929354E 00
A3 -0.47665291E-02 A4 0.22178606E-04 A5 0.00000000E-38

02/11/72

ASPTHCLT C-310

THRUSTER CLUSTER ASSEMBLY TEMPERATURES DEG F VS DN



VELOCITY PREC. THRUSTER TEMPERATURES DEG F VS DN AVPTIT C-311 02/11/72

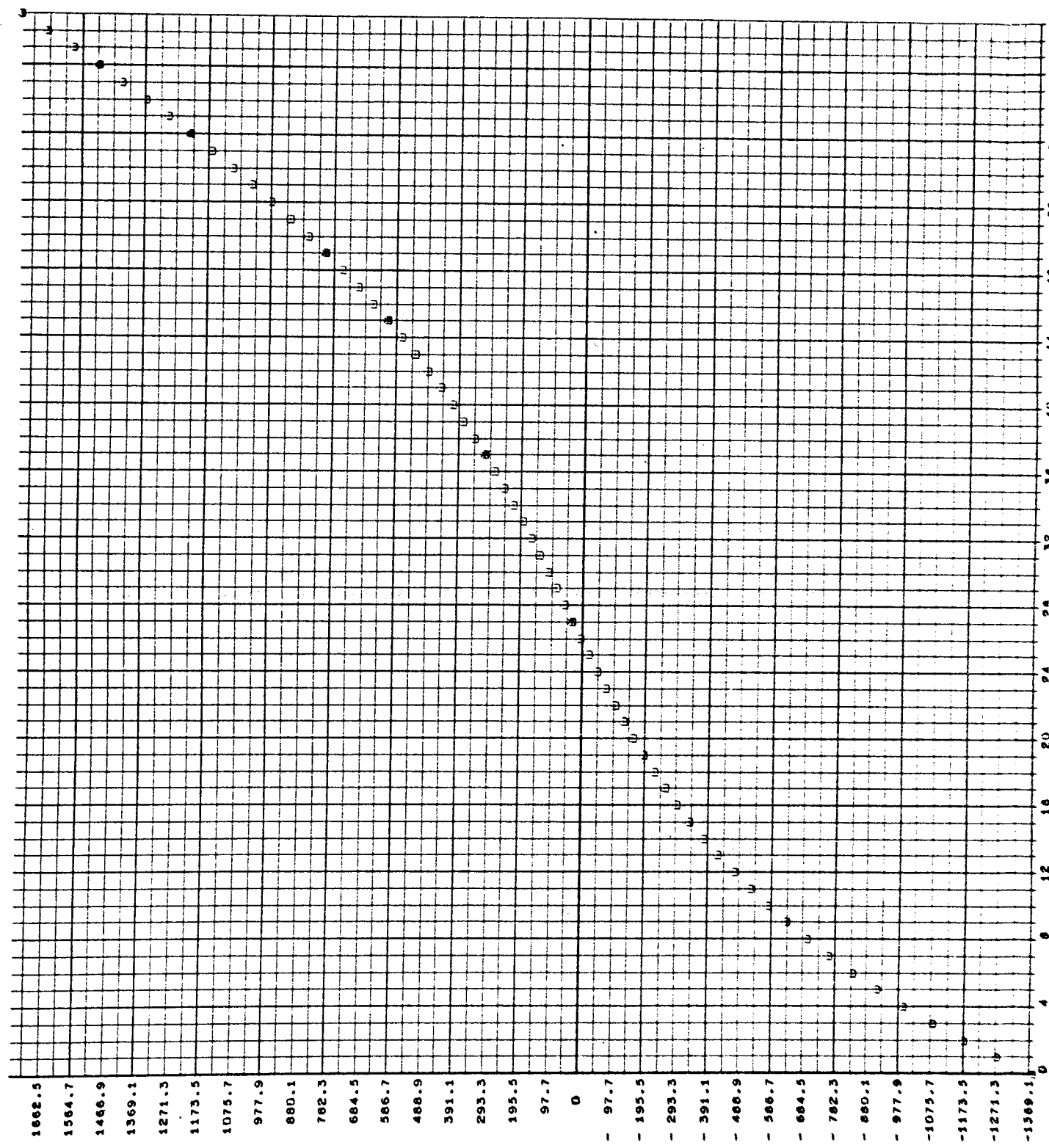
DEC DN	ENGINEERING UNITS	OCT DN	DEC DN	ENGINEERING UNITS	OCT DN
0	-1380.44688	0	32	162.84262	40
1	-1274.25754	1	33	190.44011	41
2	-1174.63614	2	34	218.83490	42
3	-1081.25352	3	35	248.15176	43
4	-993.78694	4	36	278.50914	44
5	-911.92001	5	37	310.01900	45
6	-835.34275	6	38	342.78702	46
7	-763.75154	7	39	376.91238	47
8	-696.84918	10	40	412.48802	50
9	-634.34484	11	41	449.60040	51
10	-575.95406	12	42	488.32961	52
11	-521.39879	13	43	528.74931	53
12	-470.40736	14	44	570.92690	54
13	-422.71449	15	45	614.92320	55
14	-378.06125	16	46	660.79285	56
15	-336.19518	17	47	708.58400	57
16	-296.87009	20	48	758.33836	60
17	-259.84627	21	49	810.09148	61
18	-224.89037	22	50	863.87212	62
19	-191.77538	23	51	919.70311	63
20	-160.28078	24	52	977.60054	64
21	-130.19231	25	53	1037.57430	65
22	-101.30219	26	54	1099.62791	66
23	-73.40898	27	55	1163.75835	67
24	-46.31767	30	56	1229.95634	70
25	-19.83958	31	57	1298.20619	71
26	6.20757	32	58	1368.48573	72
27	31.99962	33	59	1440.76677	73
28	57.70609	34	60	1515.01408	74
29	83.49010	35	61	1591.18654	75
30	109.50838	36	62	1669.23671	76
31	135.91122	37	63	1749.11034	77

A0 -0.13804469E 04 A1 0.10958462E 03 A2 -0.34514695E 01
A3 0.56454407E-01 A4 -0.26608627E-03 A5 0.00000000E-38

02/11/72

AVF111 C-311

VELOCITY FREQ. THRUSTER TEMPERATURES DEG F VS DN



VELOCITY PREC. THRUSTER TEMPERATURES DEG F VS DN AVPT2T C-312 02/11/72

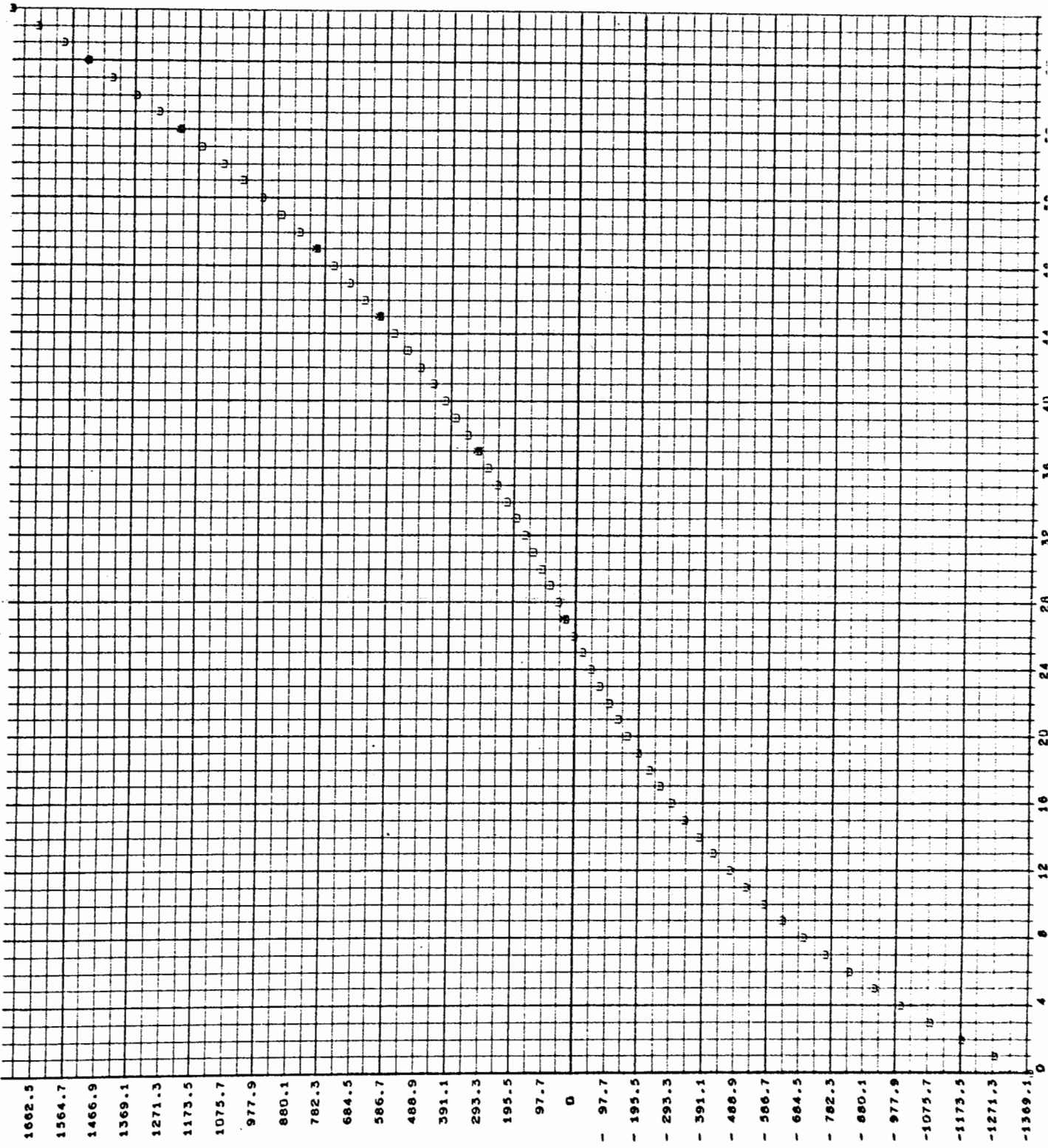
DEC DN	ENGINEERING UNITS	OCT DN	DEC DN	ENGINEERING UNITS	OCT DN
0	-1380.44688	0	32	162.84262	40
1	-1274.25754	1	33	190.44011	41
2	-1174.63614	2	34	218.83490	42
3	-1081.25352	3	35	248.15176	43
4	-993.78694	4	36	278.50914	44
5	-911.92001	5	37	310.01900	45
6	-835.34275	6	38	342.78702	46
7	-763.75154	7	39	376.91238	47
8	-696.84918	10	40	412.48802	50
9	-634.34484	11	41	449.60040	51
10	-575.95406	12	42	488.32961	52
11	-521.39879	13	43	528.74931	53
12	-470.40736	14	44	570.92690	54
13	-422.71449	15	45	614.92320	55
14	-378.06125	16	46	660.79285	56
15	-336.19518	17	47	708.58400	57
16	-296.87009	20	48	758.33836	60
17	-259.84627	21	49	810.09148	61
18	-224.89037	22	50	863.87212	62
19	-191.77538	23	51	919.70311	63
20	-160.28078	24	52	977.60054	64
21	-130.19231	25	53	1037.57430	65
22	-101.30219	26	54	1099.62791	66
23	-73.40898	27	55	1163.75835	67
24	-46.31767	30	56	1229.95634	70
25	-19.83958	31	57	1298.20619	71
26	6.20757	32	58	1368.48573	72
27	31.99962	33	59	1440.76677	73
28	57.70609	34	60	1515.01408	74
29	83.49010	35	61	1591.18654	75
30	109.50838	36	62	1669.23671	76
31	135.91122	37	63	1749.11034	77

A0 -0.13804469E 04 A1 0.10958462E 03 A2 -0.34514695E 01
A3 0.56454407E-01 A4 -0.26608627E-03 A5 0.00000000E-38

02/11/72

AVF12T C-312

VELOCITY PREC. THRUSTER TEMPERATURES-DEG F VS DN



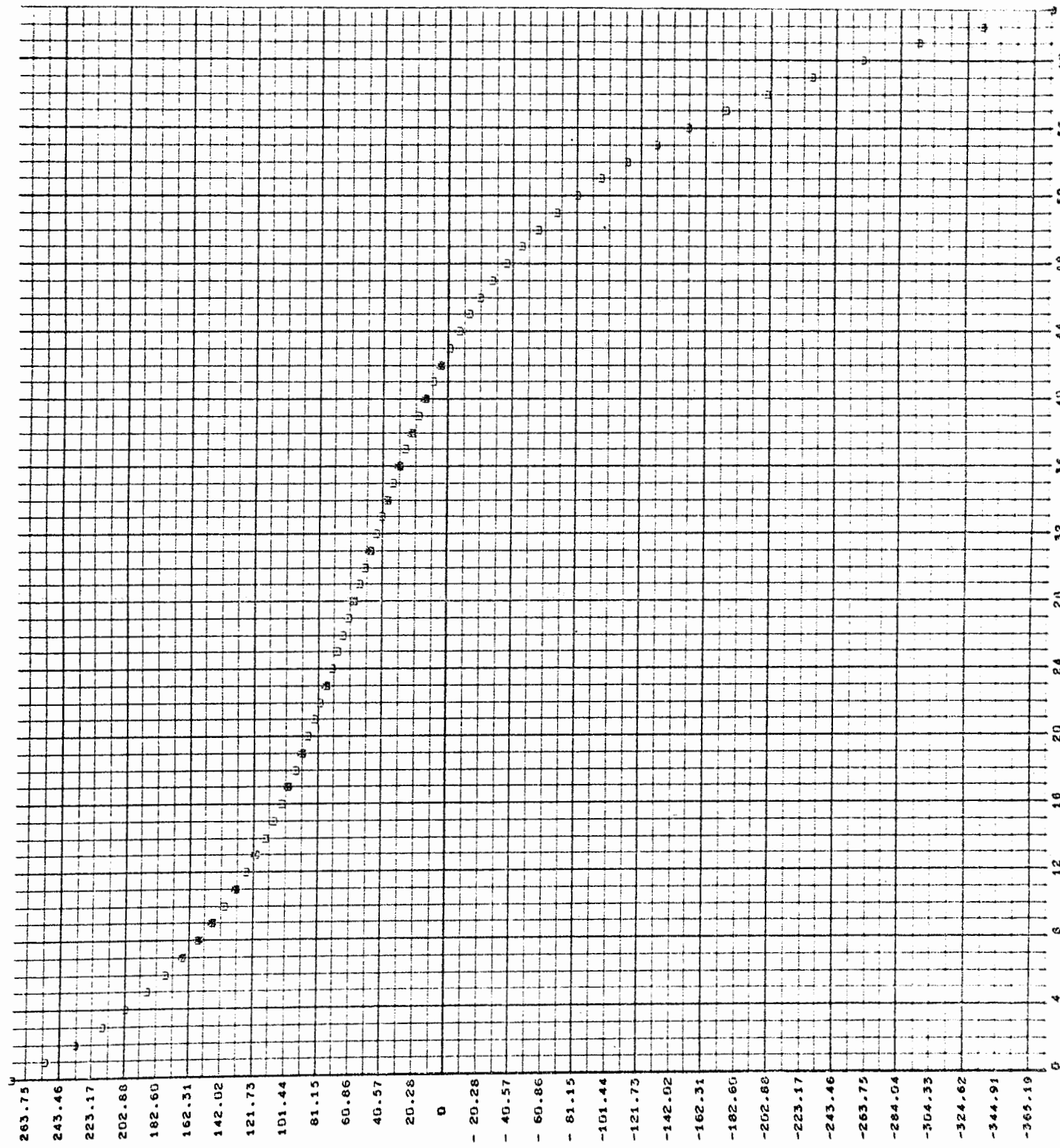
SSA TEMPERATURE DEG F VS DN

TSSAT C-317

02/11/72

DEC DN	ENGINEERING UNITS	OCT DN	DEC DN	ENGINEERING UNITS	OCT DN
0	272.93871	0	32	45.22301	40
1	252.37411	1	33	41.73752	41
2	233.91008	2	34	38.20028	42
3	217.34016	3	35	34.59260	43
4	202.47255	4	36	30.89234	44
5	189.12949	5	37	27.07327	45
6	177.14676	6	38	23.10460	46
7	166.37307	7	39	18.95033	47
8	156.66950	10	40	14.56878	50
9	147.90895	11	41	9.91191	51
10	139.97556	12	42	4.92485	52
11	132.76416	13	43	-0.45471	53
12	126.17967	14	44	-6.29705	54
13	120.13656	15	45	-12.68111	55
14	114.55831	16	46	-19.69482	56
15	109.37677	17	47	-27.43596	57
16	104.53167	20	48	-36.01245	60
17	99.97001	21	49	-45.54309	61
18	95.64552	22	50	-56.15806	62
19	91.51805	23	51	-67.99954	63
20	87.55308	24	52	-81.22216	64
21	83.72105	25	53	-95.99376	65
22	79.99691	26	54	-112.49573	66
23	76.35946	27	55	-130.92364	67
24	72.79085	30	56	-151.48809	70
25	69.27594	31	57	-174.41477	71
26	65.80182	32	58	-199.94544	72
27	62.35719	33	59	-228.33829	73
28	58.93179	34	60	-259.86861	74
29	55.51589	35	61	-294.82925	75
30	52.09963	36	62	-333.53136	76
31	48.67257	37	63	-376.30460	77

AC 0.27293871E 03 A1 -0.21687471E 02 A2 0.11604562E 01
A3 -0.38234049E-01 A4 0.65716432E-03 A5 -0.47164303E-05



PLATFORM 4 TEMPERATURES DEG F VS DN

IPLAT4T C-318

02/11/72

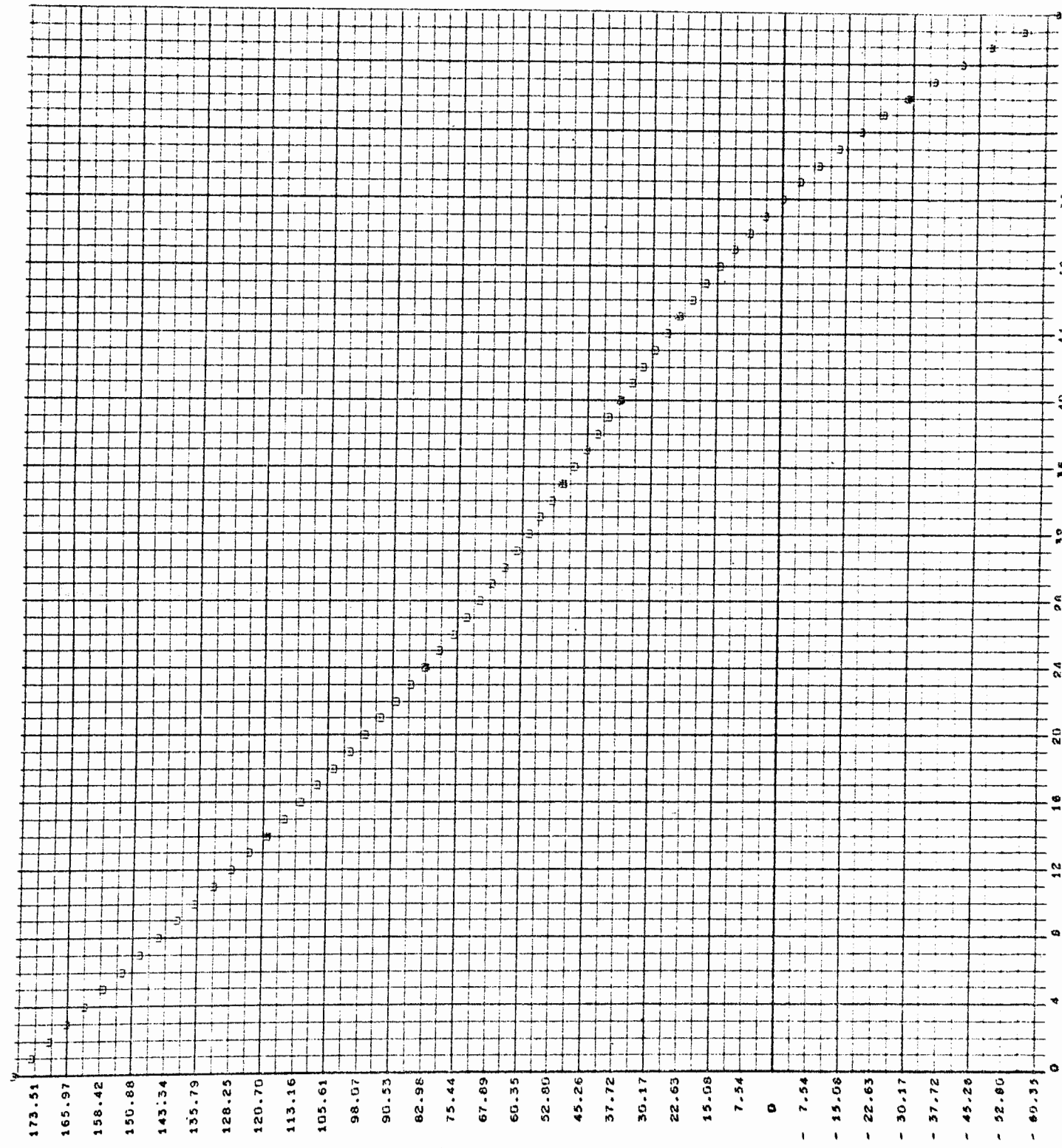
DEC DN	ENGINEERING UNITS	OCT DN	DEC DN	ENGINEERING UNITS	OCT DN
0	178.63728	0	32	58.93846	40
1	174.60999	1	33	56.20089	41
2	170.50839	2	34	53.50490	42
3	166.34672	3	35	50.84280	43
4	162.13855	4	36	48.20619	44
5	157.89677	5	37	45.58602	45
6	153.63358	6	38	42.97252	46
7	149.36048	7	39	40.35525	47
8	145.08831	10	40	37.72308	50
9	140.82719	11	41	35.06420	51
10	136.58659	12	42	32.36612	52
11	132.37528	13	43	29.61563	53
12	128.20132	14	44	26.79889	54
13	124.07212	15	45	23.90131	55
14	119.99439	16	46	20.90767	56
15	115.97415	17	47	17.80202	57
16	112.01674	20	48	14.56776	60
17	108.12680	21	49	11.18758	61
18	104.30831	22	50	7.64349	62
19	100.56453	23	51	3.91682	63
20	96.89808	24	52	-0.01179	64
21	93.31084	25	53	-4.16238	65
22	89.80404	26	54	-8.55569	66
23	86.37823	27	55	-13.21315	67
24	83.03323	30	56	-18.15685	70
25	79.76823	31	57	-23.40957	71
26	76.58169	32	58	-28.99481	72
27	73.47140	33	59	-34.93672	73
28	70.43448	34	60	-41.26015	74
29	67.46733	35	61	-47.99064	75
30	64.56570	36	62	-55.15441	76
31	61.72462	37	63	-62.77835	77

A0 0.17863728E 03 A1 -0.39852020E 01 A2 -0.44602347E-01
 A3 0.25474180E-02 A4 -0.28584811E-04 A5 0.00000000E-38

02/11/72

IP-LAT41 C-318

PLATFORM 4 TEMPERATURES DEG F VS DN



PLATCRM 5 TEMPERATURES DEG F VS DN

TPLAT5T C-319

02/11/72

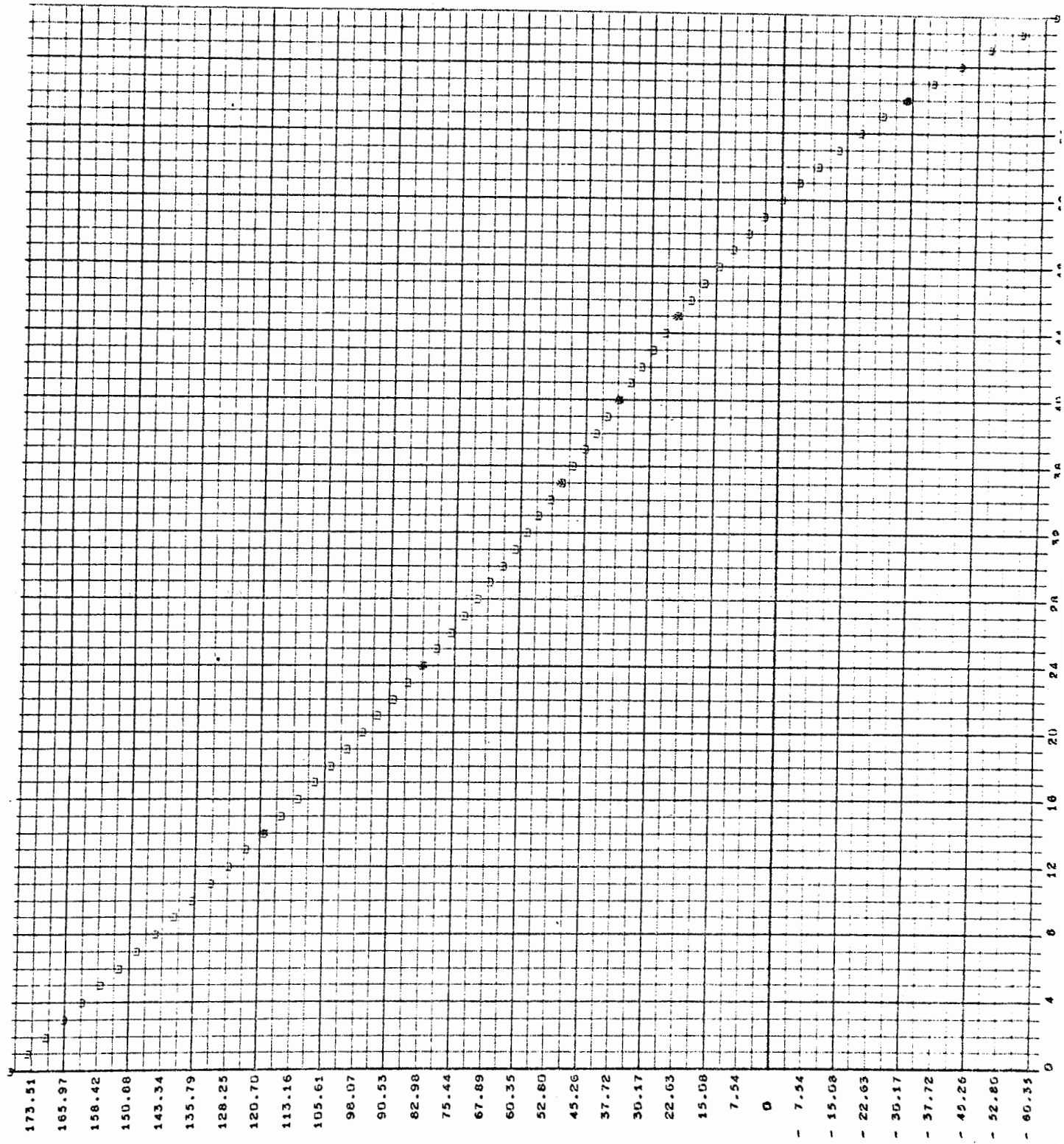
DEC DN	ENGINEERING UNITS	OCT DN	DEC DN	ENGINEERING UNITS	OCT DN
0	178.63728	0	32	58.93846	40
1	174.60999	1	33	56.20089	41
2	170.50839	2	34	53.50490	42
3	166.34672	3	35	50.84280	43
4	162.13855	4	36	48.20619	44
5	157.89677	5	37	45.58602	45
6	153.63358	6	38	42.97252	46
7	149.36048	7	39	40.35525	47
8	145.08831	10	40	37.72308	50
9	140.82719	11	41	35.06420	51
10	136.58659	12	42	32.36612	52
11	132.37528	13	43	29.61563	53
12	128.20132	14	44	26.79889	54
13	124.07212	15	45	23.90131	55
14	119.99439	16	46	20.90767	56
15	115.97415	17	47	17.80202	57
16	112.01674	20	48	14.56776	60
17	108.12680	21	49	11.18758	61
18	104.30831	22	50	7.64349	62
19	100.56453	23	51	3.91682	63
20	96.89808	24	52	-0.01179	64
21	93.31084	25	53	-4.16238	65
22	89.80404	26	54	-8.55569	66
23	86.37823	27	55	-13.21315	67
24	83.03323	30	56	-18.15685	70
25	79.76823	31	57	-23.40957	71
26	76.58169	32	58	-28.99481	72
27	73.47140	33	59	-34.93672	73
28	70.43448	34	60	-41.26015	74
29	67.46733	35	61	-47.99064	75
30	64.56570	36	62	-55.15441	76
31	61.72462	37	63	-62.77835	77

A0	0.17863728E 03	A1	-0.39852020E 01	A2	-0.44602347E-01
A3	0.25474180E-02	A4	-0.28584811E-04	A5	0.00000000E-38

02/11/72

T-PLAT51 C-319

PLATFORM 5 TEMPERATURES DEG F VS DN



PLATFCRM 6 TEMPERATURES DEG F VS DN

TPLAT16T C-320

02/11/72

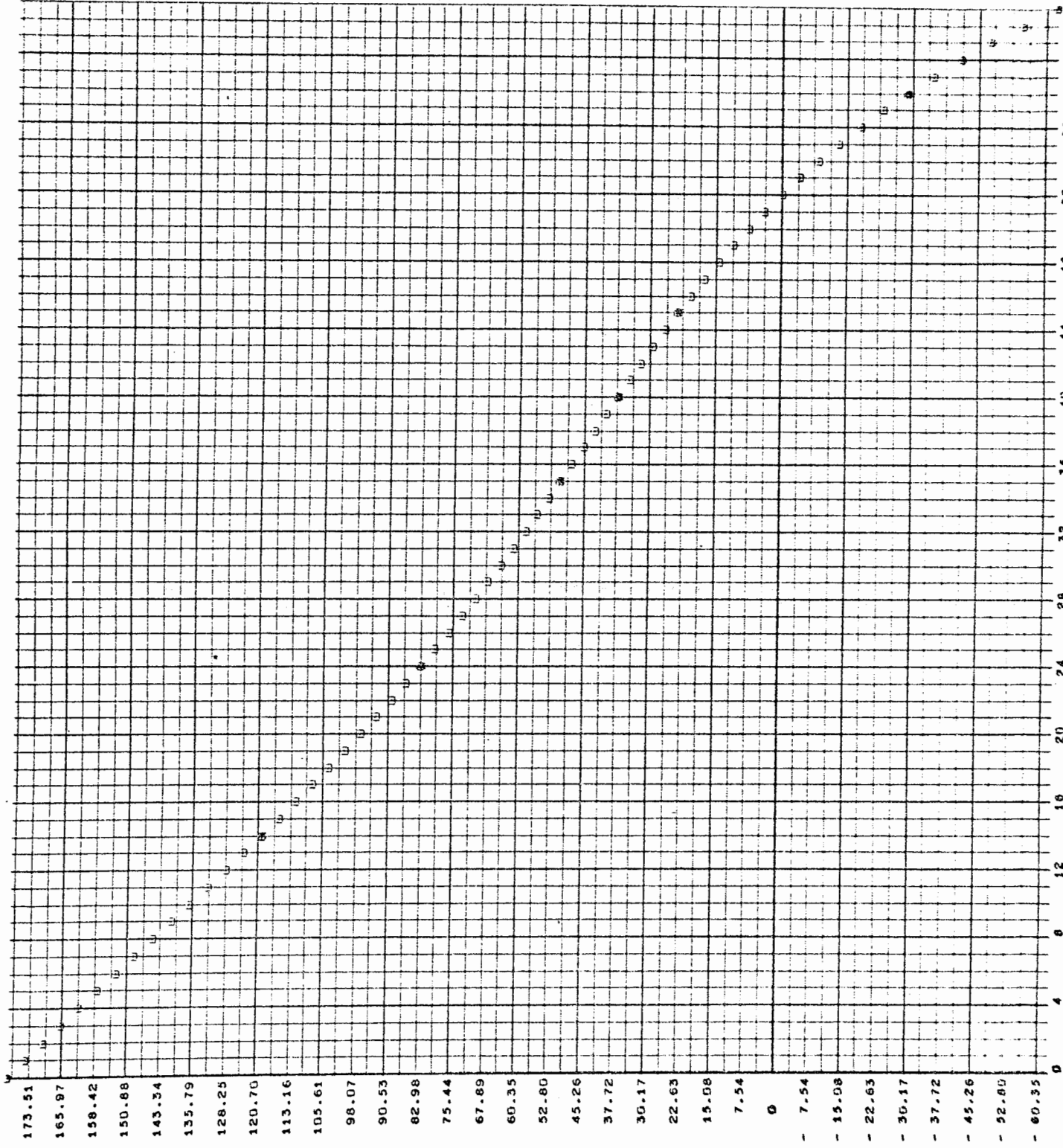
DEC DN	ENGINEERING UNITS	OCT DN	DEC DN	ENGINEERING UNITS	OCT DN
0	178.63728	0	32	58.93846	40
1	174.60999	1	33	56.20089	41
2	170.50839	2	34	53.50490	42
3	166.34672	3	35	50.84280	43
4	162.13855	4	36	48.20619	44
5	157.89677	5	37	45.58602	45
6	153.63358	6	38	42.97252	46
7	149.36048	7	39	40.35525	47
8	145.08831	10	40	37.72308	50
9	140.82719	11	41	35.06420	51
10	136.58659	12	42	32.36612	52
11	132.37528	13	43	29.61563	53
12	128.20132	14	44	26.79889	54
13	124.07212	15	45	23.90131	55
14	119.99439	16	46	20.90767	56
15	115.97415	17	47	17.80202	57
16	112.01674	20	48	14.56776	60
17	108.12680	21	49	11.18758	61
18	104.30831	22	50	7.64349	62
19	100.56453	23	51	3.91682	63
20	96.89808	24	52	-0.01179	64
21	93.31084	25	53	-4.16238	65
22	89.80404	26	54	-8.55569	66
23	86.37823	27	55	-13.21315	67
24	83.03323	30	56	-18.15685	70
25	79.76823	31	57	-23.40957	71
26	76.58169	32	58	-28.99481	72
27	73.47140	33	59	-34.93672	73
28	70.43448	34	60	-41.26015	74
29	67.46733	35	61	-47.99064	75
30	64.56570	36	62	-55.15441	76
31	61.72462	37	63	-62.77835	77

A0	0.17863728E 03	A1	-0.39852020E 01	A2	-0.44602347E-01
A3	0.25474180E-02	A4	-0.28584811E-04	A5	0.00000000E-38

02/11/72

1FLA16T C-320

PLATFORM 6 TEMPERATURES DEG F VS DN



VELOCITY PREC. THRUSTER TEMPERATURES DEG F VS DN AVPT41 C-325 02/11/72

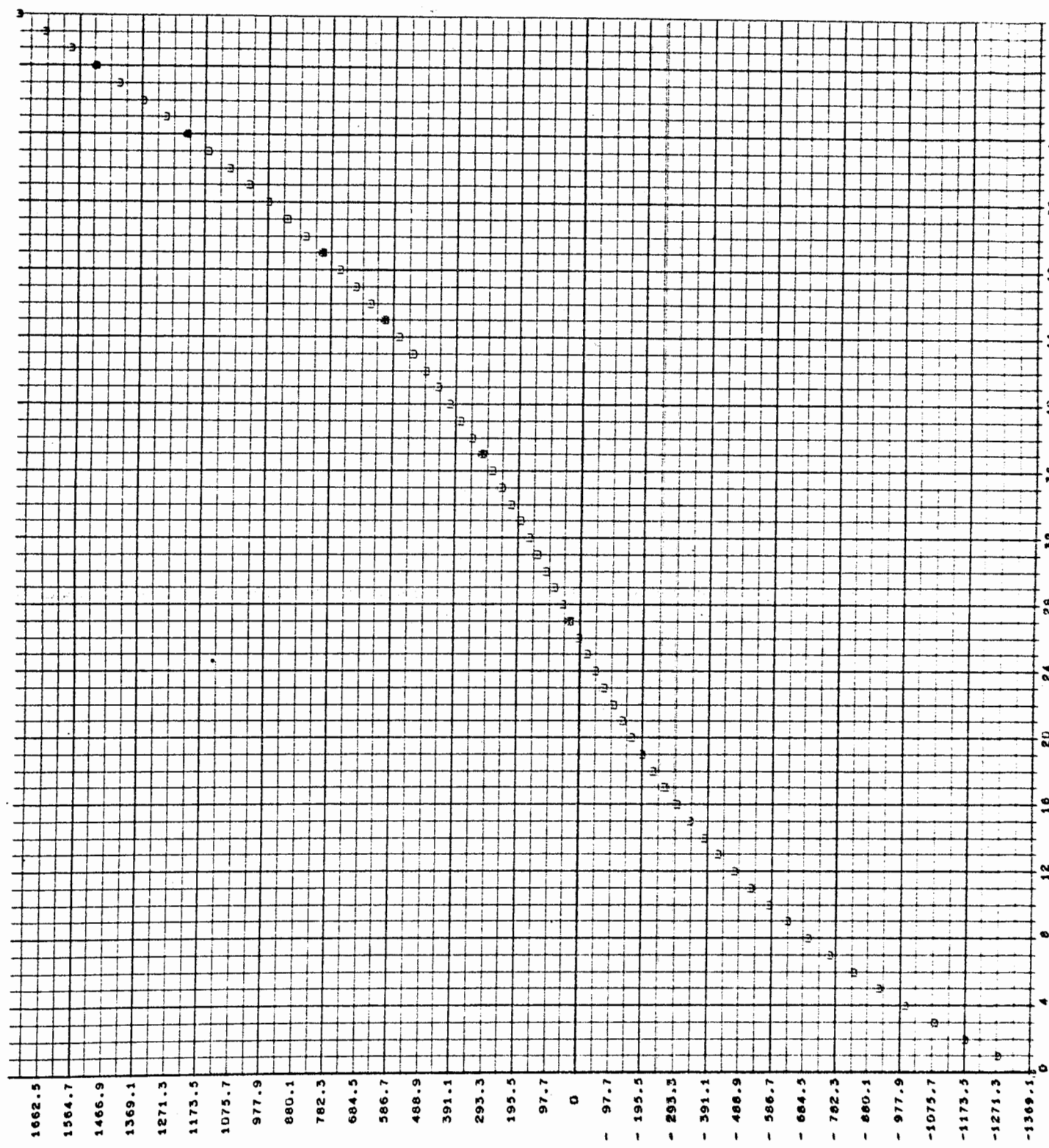
DEC	ENGINEERING UNITS	OCT	DEC	ENGINEERING UNITS	OCT	DN
DN		DN	DN		DN	
0	-1380.44688	0	32	162.84262	40	
1	-1274.25754	1	33	190.44011	41	
2	-1174.63614	2	34	218.83490	42	
3	-1081.25352	3	35	248.15176	43	
4	-993.78694	4	36	278.50914	44	
5	-911.92001	5	37	310.01900	45	
6	-835.34275	6	38	342.78702	46	
7	-763.75154	7	39	376.91238	47	
8	-696.84918	10	40	412.48802	50	
9	-634.34484	11	41	449.60040	51	
10	-575.95406	12	42	488.32961	52	
11	-521.39879	13	43	528.74931	53	
12	-470.40736	14	44	570.92690	54	
13	-422.71449	15	45	614.92320	55	
14	-378.06125	16	46	660.79285	56	
15	-336.19518	17	47	708.58400	57	
16	-296.87009	20	48	758.33836	60	
17	-259.84627	21	49	810.09148	61	
18	-224.89037	22	50	863.87212	62	
19	-191.77538	23	51	919.70311	63	
20	-160.28078	24	52	977.60054	64	
21	-130.19231	25	53	1037.57430	65	
22	-101.30219	26	54	1099.62791	66	
23	-73.40898	27	55	1163.75835	67	
24	-46.31767	30	56	1229.95634	70	
25	-19.83958	31	57	1298.20619	71	
26	6.20757	32	58	1368.48573	72	
27	31.99962	33	59	1440.76677	73	
28	57.70609	34	60	1515.01408	74	
29	83.49010	35	61	1591.18654	75	
30	109.50838	36	62	1669.23671	76	
31	135.91122	37	63	1749.11034	77	

A0 -0.13804469E 04 A1 0.10958462E 03 A2 -0.34514695E 01
A3 0.56454407E-01 A4 -0.26608627E-03 A5 0.0000000E-38

02/11/72

AVT4T C-325

VELOCITY PREC. THRUSTER TEMPERATURES DEG F VS DN



THRUSTER CLUSTER ASSEMBLY TEMPERATURES DEG F VS DN AVELC2T C-326 0271172

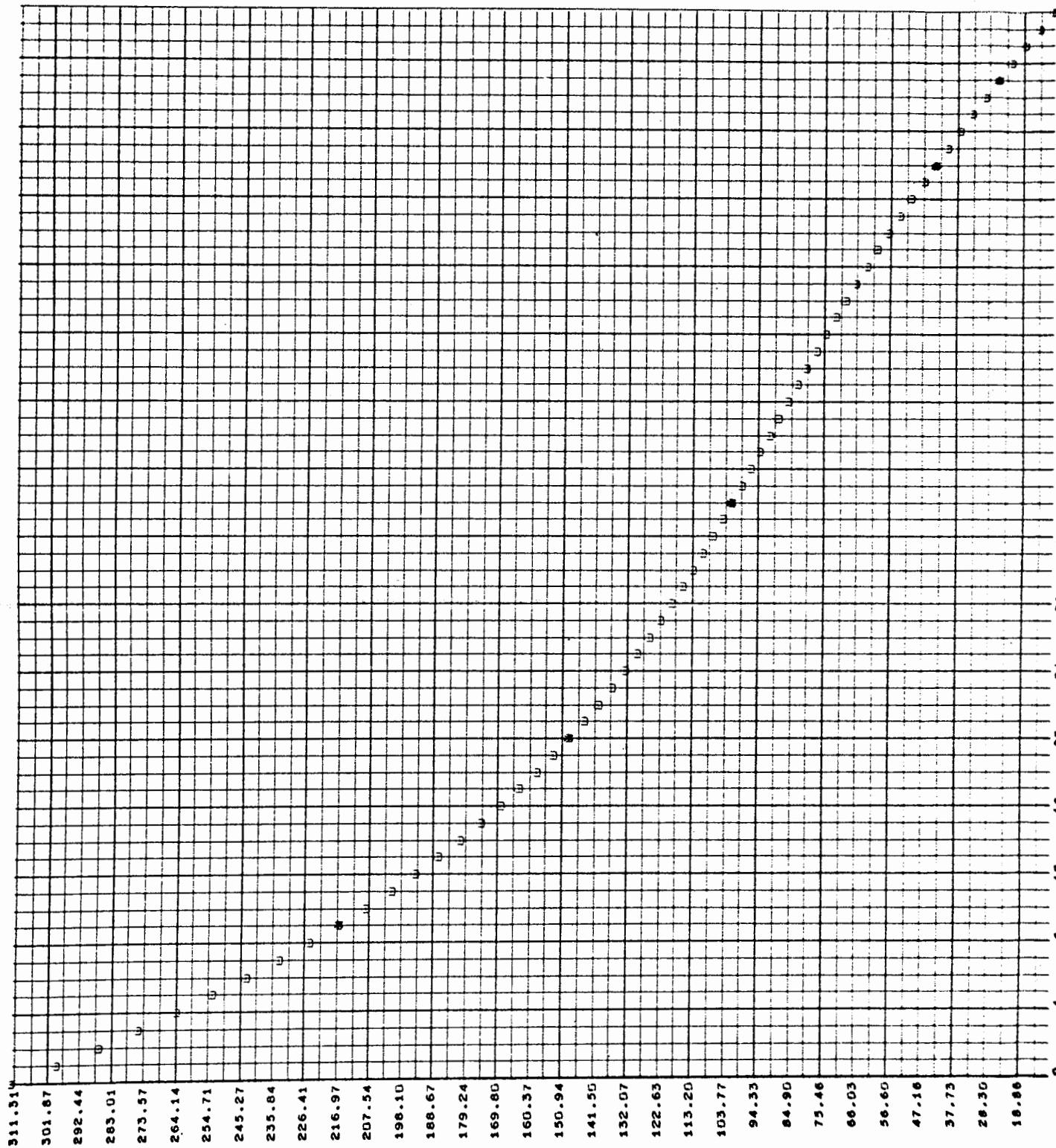
DEC DN	ENGINEERING UNITS	OCT DN	DEC DN	ENGINEERING UNITS	OCT DN
0	312.35764	0	32	107.51432	40
1	259.27762	1	33	104.73482	41
2	286.86789	2	34	102.00001	42
3	275.10067	3	35	99.29912	43
4	263.94868	4	36	96.62191	44
5	253.38517	5	37	93.95869	45
6	243.38396	6	38	91.30028	46
7	233.91937	7	39	88.63804	47
8	224.56625	10	40	85.96388	50
9	216.50000	11	41	83.27020	51
10	208.49655	12	42	80.54998	52
11	200.93236	13	43	77.79670	53
12	193.78440	14	44	75.00439	54
13	187.03022	15	45	72.16759	55
14	180.64786	16	46	69.28141	56
15	174.61590	17	47	66.34145	57
16	168.91346	20	48	63.34388	60
17	163.52021	21	49	60.28537	61
18	158.41631	22	50	57.16314	62
19	153.58250	23	51	53.97495	63
20	149.00000	24	52	50.71906	64
21	144.65062	25	53	47.39431	65
22	140.51665	26	54	44.00002	66
23	136.58094	27	55	40.53608	67
24	132.82687	30	56	37.00290	70
25	129.23836	31	57	33.40142	71
26	125.79983	32	58	29.73313	72
27	122.49627	33	59	26.00001	73
28	119.31319	34	60	22.20462	74
29	116.23661	35	61	18.35004	75
30	113.25312	36	62	14.43985	76
31	110.34981	37	63	10.47819	77

A0 0.31235764E 03 A1 -0.13424570E 02 A2 0.34929354E 00
A3 -0.47665291E-02 A4 0.22178606E-04 A5 0.0000000E-38

02/11/72

AVELC2T C-326

THRUSTER CLUSTER ASSEMBLY TEMPERATURES DEG F VS DN



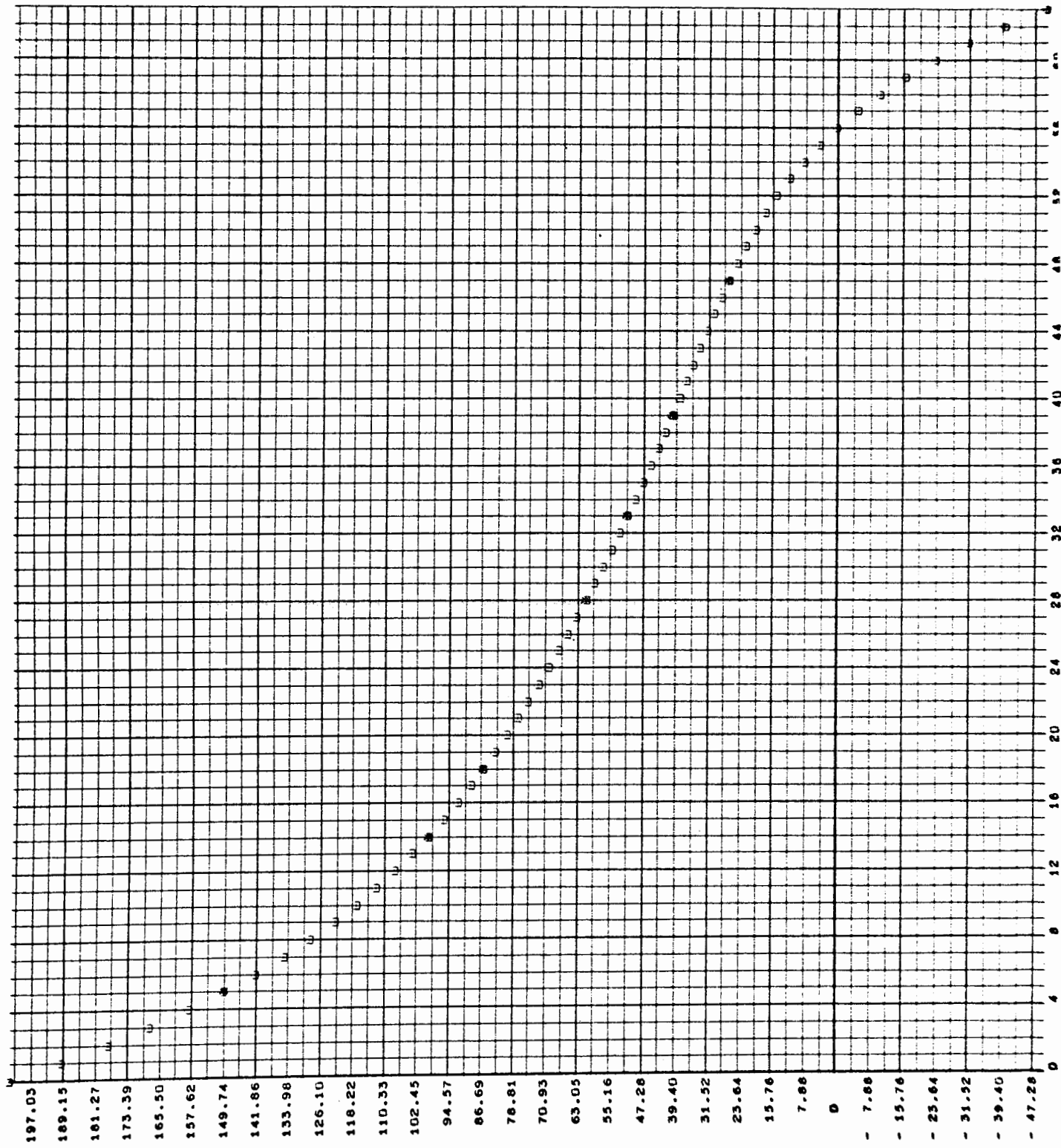
PROPELLANT SUPPLY TEMPERATURE DEG F VS DN

APROPT C-327

02/11/72

DEC DN	ENGINEERING UNITS	OCT DN	DEC DN	ENGINEERING UNITS	OCT DN
0	202.30800	0	32	53.01495	40
1	189.74806	1	33	51.08337	41
2	178.33688	2	34	49.19738	42
3	167.97084	3	35	47.35561	43
4	158.55305	4	36	45.55609	44
5	149.99317	5	37	43.79602	45
6	142.20716	6	38	42.07153	46
7	135.11707	7	39	40.37747	47
8	128.65076	10	40	38.70714	50
9	122.74173	11	41	37.05211	51
10	117.32887	12	42	35.40198	52
11	112.35619	13	43	33.74409	53
12	107.77266	14	44	32.06337	54
13	103.53191	15	45	30.34205	55
14	99.59206	16	46	28.55948	56
15	95.91544	17	47	26.69188	57
16	92.46840	20	48	24.71206	60
17	89.22105	21	49	22.58928	61
18	86.14705	22	50	20.28894	62
19	83.22336	23	51	17.77241	63
20	80.43002	24	52	14.99679	64
21	77.74594	25	53	11.91460	65
22	75.16864	26	54	8.47365	66
23	72.67402	27	55	4.61679	67
24	70.25615	30	56	0.28165	70
25	67.90703	31	57	-4.59959	71
26	65.62036	32	58	-10.10043	72
27	63.39130	33	59	-16.30023	73
28	61.21627	34	60	-23.28450	74
29	59.09267	35	61	-31.14511	75
30	57.01871	36	62	-39.98050	76
31	54.99311	37	63	-49.89599	77

A0 0.20230800E 03 A1 -0.13170616E 02 A2 0.62940306E 00
 A3 -0.19031922E-01 A4 0.30105075E-03 A5 -0.19186333E-05



VELOCITY PREC. THRUSTER TEMPERATURES DEG F VS DN AVPT31 C-328 02/11/72

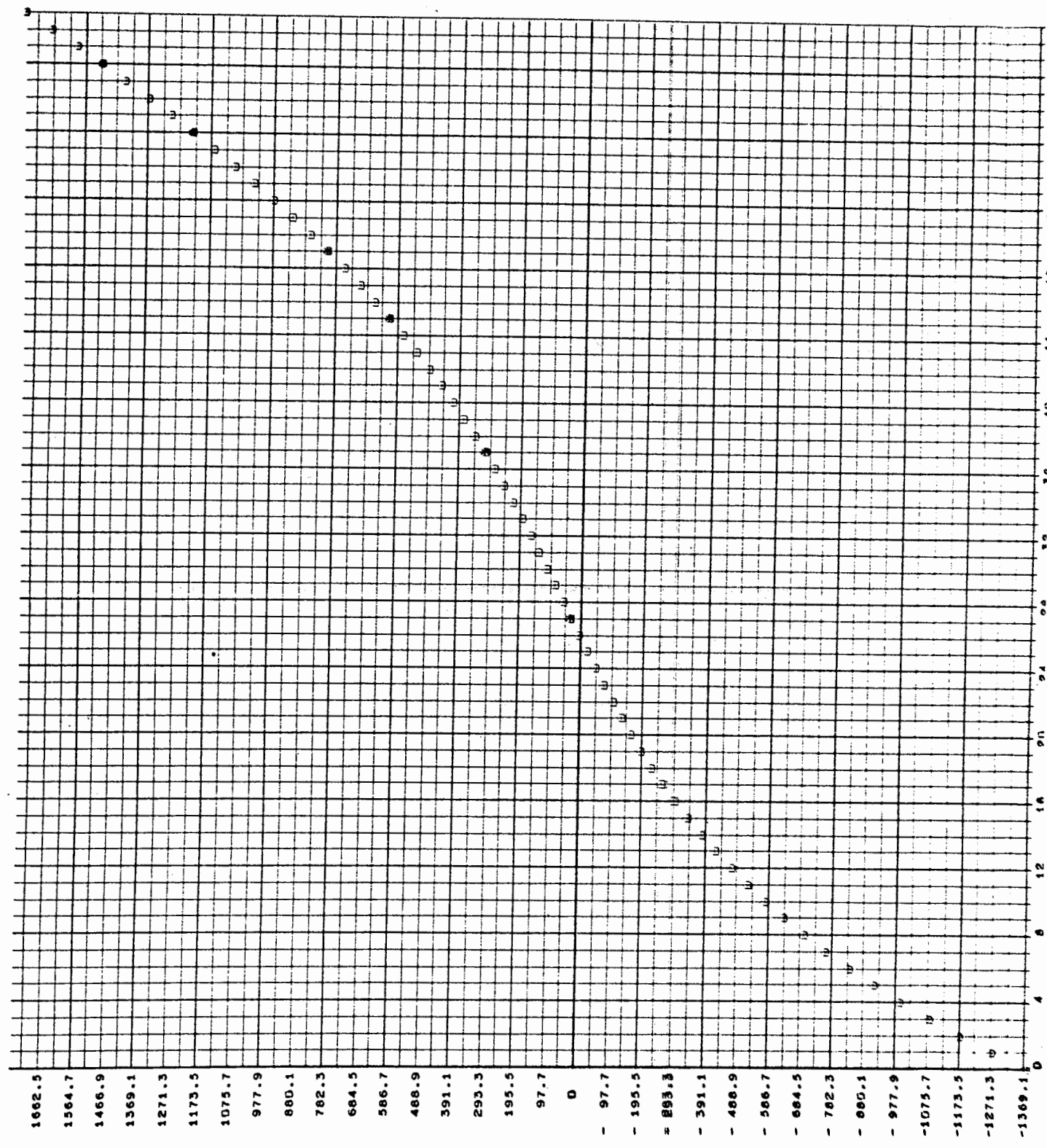
DEC DN	ENGINEERING UNITS	OCT DN	DEC DN	ENGINEERING UNITS	OCT DN
0	-138C.44688	0	32	162.84262	40
1	-1274.25754	1	33	190.44011	41
2	-1174.63614	2	34	218.83490	42
3	-1081.25352	3	35	248.15176	43
4	-993.78694	4	36	278.50914	44
5	-911.92C01	5	37	310.01900	45
6	-835.34275	6	38	342.78702	46
7	-763.75154	7	39	376.91238	47
8	-696.84918	10	40	412.48802	50
9	-634.34484	11	41	449.60040	51
10	-575.95406	12	42	488.32961	52
11	-521.39879	13	43	528.74931	53
12	-470.40736	14	44	570.92690	54
13	-422.71449	15	45	614.92320	55
14	-378.06125	16	46	660.79285	56
15	-336.19518	17	47	708.58400	57
16	-296.87C09	20	48	758.33836	60
17	-259.84627	21	49	810.09148	61
18	-224.89C37	22	50	863.87212	62
19	-191.77538	23	51	919.70311	63
20	-160.28078	24	52	977.60054	64
21	-130.19231	25	53	1037.57430	65
22	-101.30219	26	54	1099.62791	66
23	-73.40898	27	55	1163.75835	67
24	-46.31767	30	56	1229.95634	70
25	-19.83958	31	57	1298.20619	71
26	6.20757	32	58	1368.48573	72
27	31.99962	33	59	1440.76677	73
28	57.70609	34	60	1515.01408	74
29	83.49C10	35	61	1591.18654	75
30	109.50838	36	62	1669.23671	76
31	135.91122	37	63	1749.11034	77

A0 -0.13804469E 04 A1 0.10958462E 03 A2 -0.34514695E 01
A3 0.56454407E-01 A4 -0.26608627E-03 A5 0.00000000E-38

02/11/72

AVPT31 C-328

VELOCITY PREC. THRUSTER TEMPERATURES DEG F VS DN



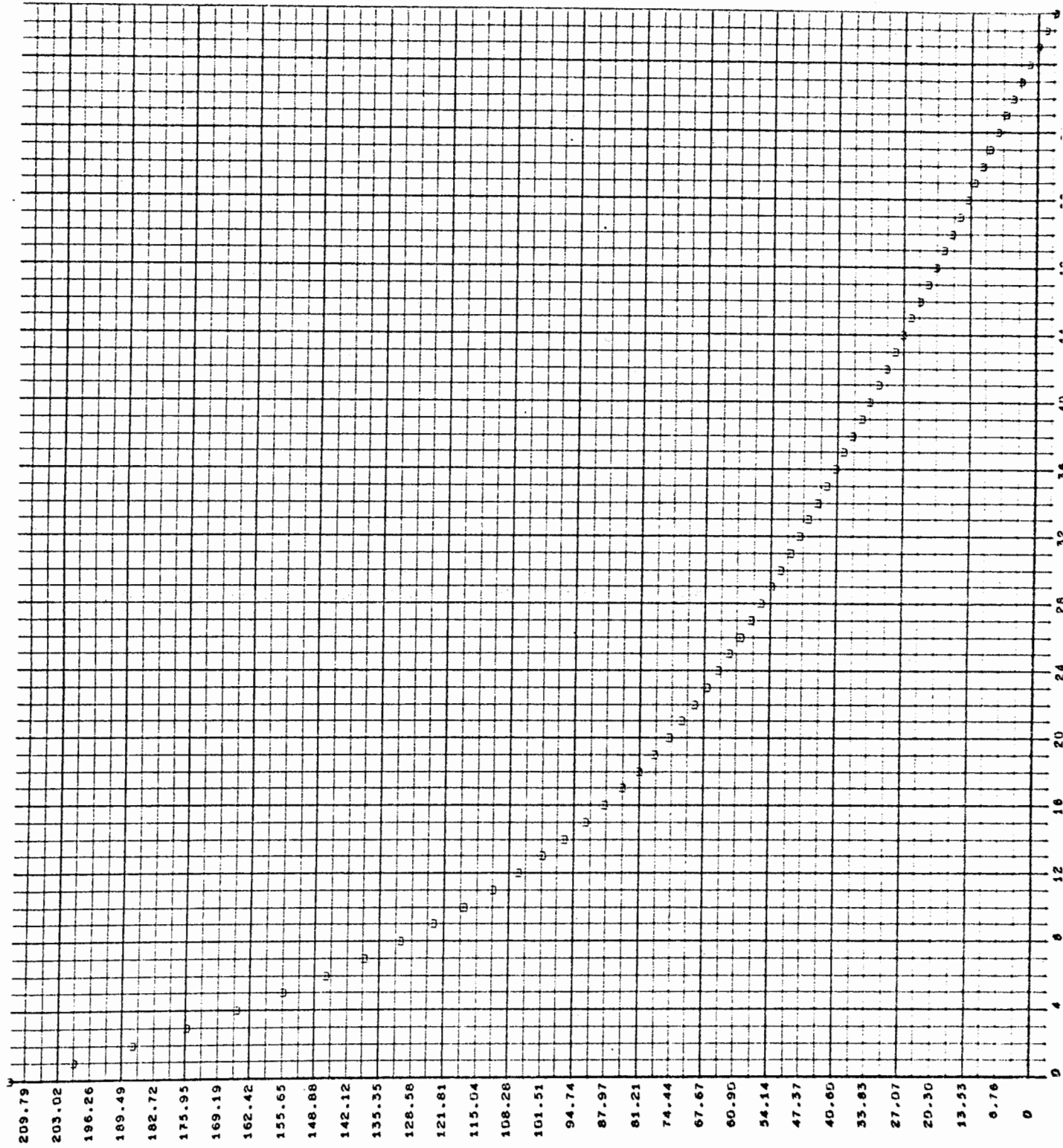
ARC/PA ELECTRONICS TEMPERATURE

EBELCT E-102

02/11/72

DEC DN	ENGINEERING UNITS	OCT DN	DEC DN	ENGINEERING UNITS	OCT DN
0	213.02307	0	32	48.38436	40
1	199.61C70	1	33	46.52448	41
2	187.23533	2	34	44.68866	42
3	175.82520	3	35	42.87339	43
4	165.31199	4	36	41.07593	44
5	155.63068	5	37	39.29428	45
6	146.71953	6	38	37.52698	46
7	138.51994	7	39	35.77313	47
8	130.97639	10	40	34.03229	50
9	124.03638	11	41	32.30432	51
10	117.65031	12	42	30.58943	52
11	111.77141	13	43	28.88795	53
12	106.35568	14	44	27.20041	54
13	101.36176	15	45	25.52725	55
14	96.75091	16	46	23.86899	56
15	92.48687	17	47	22.22591	57
16	88.53581	20	48	20.59814	60
17	84.86623	21	49	18.98546	61
18	81.44891	22	50	17.38729	62
19	78.25678	23	51	15.80259	63
20	75.26486	24	52	14.22975	64
21	72.45021	25	53	12.66657	65
22	69.79178	26	54	11.11008	66
23	67.27038	27	55	9.55659	67
24	64.86858	30	56	8.00144	70
25	62.57063	31	57	6.43907	71
26	60.36239	32	58	4.86287	72
27	58.23120	33	59	3.26510	73
28	56.16586	34	60	1.63680	74
29	54.15652	35	61	-0.03223	75
30	52.19458	36	62	-1.75367	76
31	50.27262	37	63	-3.54053	77

A0 0.21302307E 03 A1 -0.13955642E 02 A2 0.55596413E 00
 A3 -0.12834097E-01 A4 0.14900858E-03 A5 -0.68737776E-06



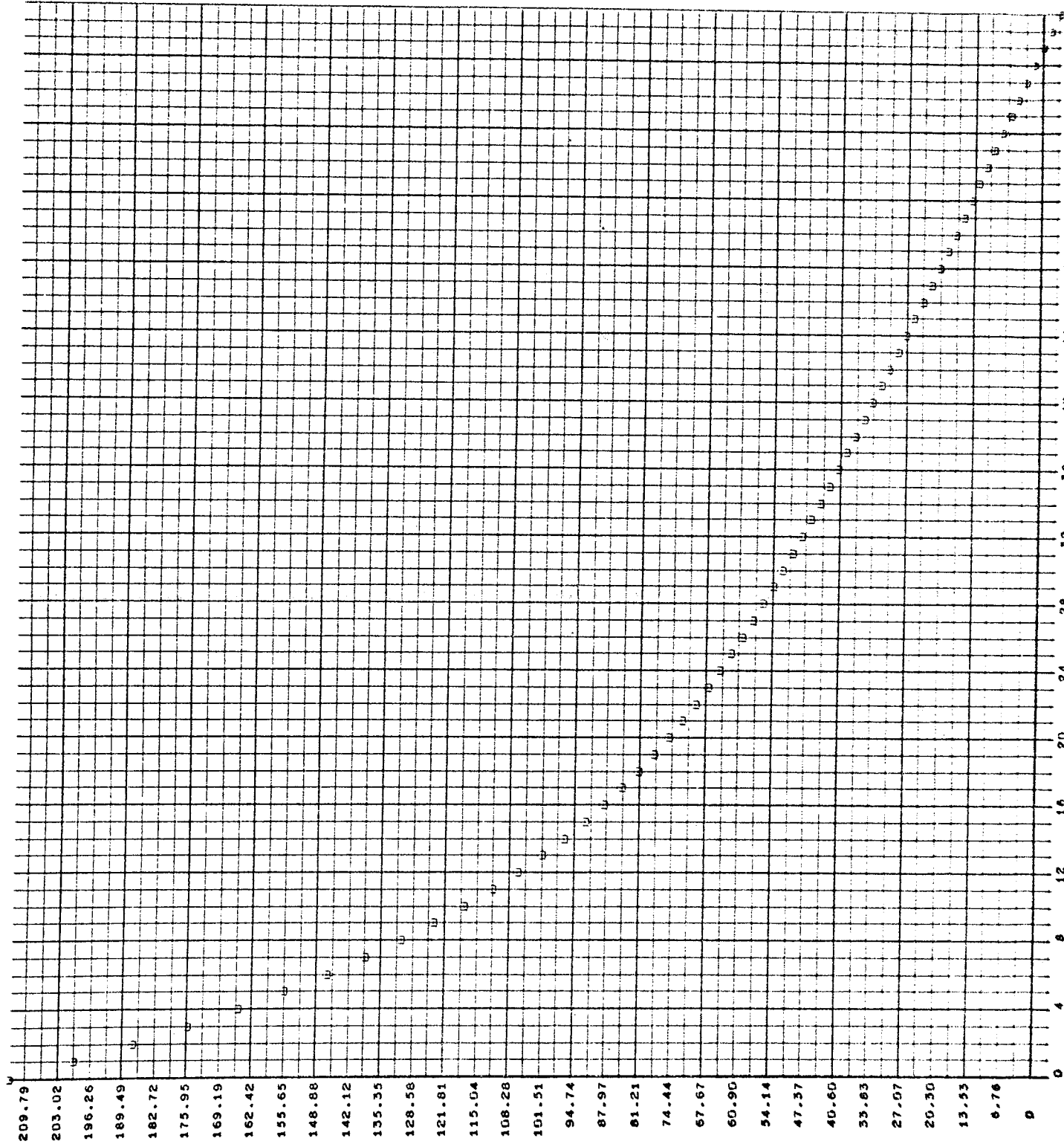
USC/UV ELECTRONICS TEMPERATURE

EGELECT E-109

02/11/72

DEC DN	ENGINEERING UNITS	OCT DN	DEC DN	ENGINEERING UNITS	OCT DN
0	213.02307	0	32	48.38436	40
1	199.61070	1	33	46.52448	41
2	187.23533	2	34	44.68866	42
3	175.82520	3	35	42.87339	43
4	165.31199	4	36	41.07593	44
5	155.63068	5	37	39.29428	45
6	146.71953	6	38	37.52698	46
7	138.51994	7	39	35.77313	47
8	130.97639	10	40	34.03229	50
9	124.03638	11	41	32.30432	51
10	117.65031	12	42	30.58943	52
11	111.77141	13	43	28.88795	53
12	106.35568	14	44	27.20041	54
13	101.36176	15	45	25.52725	55
14	96.75091	16	46	23.86899	56
15	92.48687	17	47	22.22591	57
16	88.53581	20	48	20.59814	60
17	84.86623	21	49	18.98546	61
18	81.44891	22	50	17.38729	62
19	78.25678	23	51	15.80259	63
20	75.26486	24	52	14.22975	64
21	72.45021	25	53	12.66657	65
22	69.79178	26	54	11.11008	66
23	67.27038	27	55	9.55659	67
24	64.86858	30	56	8.00144	70
25	62.57063	31	57	6.43907	71
26	60.36239	32	58	4.86287	72
27	58.23120	33	59	3.26510	73
28	56.16586	34	60	1.63680	74
29	54.15652	35	61	-0.03223	75
30	52.19458	36	62	-1.75367	76
31	50.27262	37	63	-3.54053	77

AC 0.21302307E 03 A1 -0.13955642E 02 A2 0.55596413E 00
A3 -0.12834097E-01 A4 0.14900858E-03 A5 -0.68737776E-06



CP/ELECT E-110

UC/CPI ELECTRONICS TEMPERATURE ECELECT C-110 02/11/72

DEC DN	ENGINEERING UNITS	OCT DN	DEC DN	ENGINEERING UNITS	OCT DN
0	213.02307	0	32	48.38436	40
1	199.61070	1	33	46.52448	41
2	187.23533	2	34	44.68866	42
3	175.82520	3	35	42.87339	43
4	165.31199	4	36	41.07593	44
5	155.63068	5	37	39.29428	45
6	146.71953	6	38	37.52698	46
7	138.51994	7	39	35.77313	47
8	130.97639	10	40	34.03229	50
9	124.03638	11	41	32.30432	51
10	117.65031	12	42	30.58943	52
11	111.77141	13	43	28.88795	53
12	106.35568	14	44	27.20041	54
13	101.36176	15	45	25.52725	55
14	96.75091	16	46	23.86899	56
15	92.48687	17	47	22.22591	57
16	88.53581	20	48	20.59814	60
17	84.86623	21	49	18.98546	61
18	81.44891	22	50	17.38729	62
19	78.25678	23	51	15.80259	63
20	75.26486	24	52	14.22975	64
21	72.45021	25	53	12.66657	65
22	69.79178	26	54	11.11008	66
23	67.27038	27	55	9.55659	67
24	64.86858	30	56	8.00144	70
25	62.57063	31	57	6.43907	71
26	60.36239	32	58	4.86287	72
27	58.23120	33	59	3.26510	73
28	56.16586	34	60	1.63680	74
29	54.15652	35	61	-0.03223	75
30	52.19458	36	62	-1.75367	76
31	50.27262	37	63	-3.54053	77

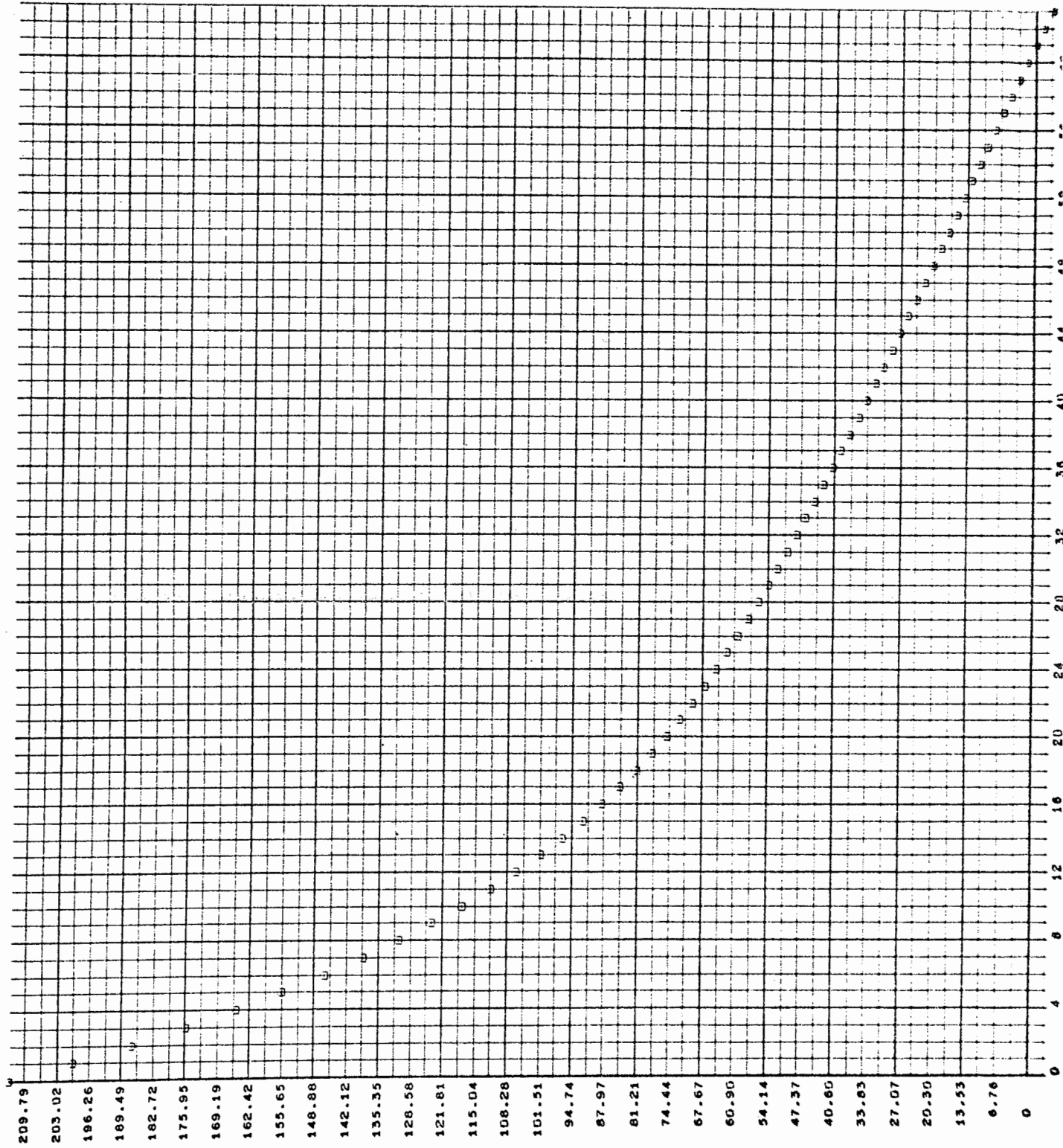
A0 0.21302307E 03 A1 -0.13955642E 02 A2 0.55596413E 00
 A3 -0.12834097E-01 A4 0.14900858E-03 A5 -0.68737776E-06

UC/CHI ELECTRONICS TEMPERATURE

ECELCT

E-100
C-110

02/11/72



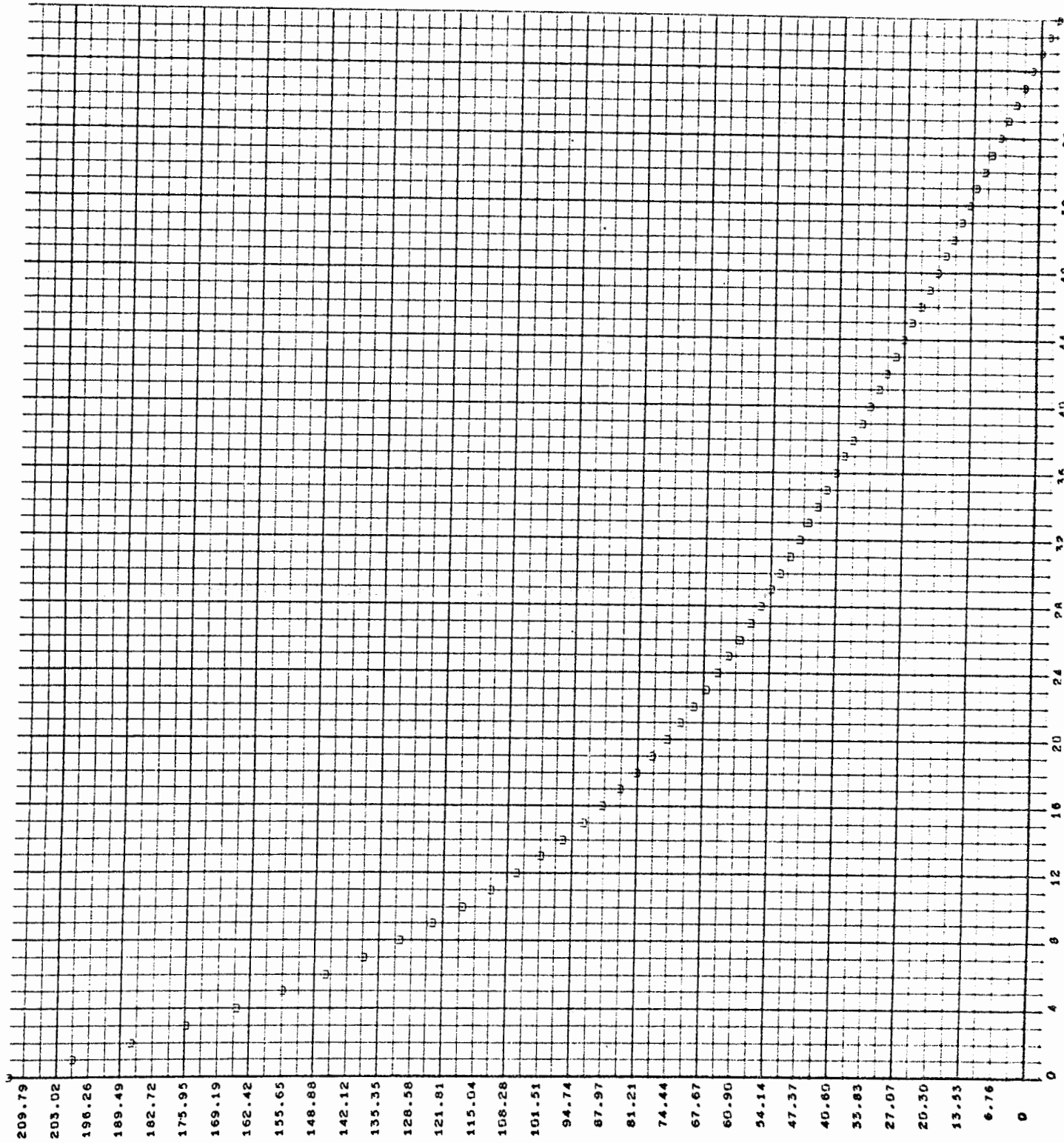
6-11 ELCY

EDELCT E-221 02/11/72

UI/GIT ELECTRONICS TEMPERATURE

DEC	ENGINEERING UNITS	CCT	DEC	ENGINEERING UNITS	OCT	DN
DN		DN	DN		DN	
0	213.02307	0	32	48.38436	40	
1	199.61070	1	33	46.52448	41	
2	187.23533	2	34	44.68866	42	
3	175.82520	3	35	42.87339	43	
4	165.31199	4	36	41.07593	44	
5	155.63068	5	37	39.29428	45	
6	146.71953	6	38	37.52698	46	
7	138.51994	7	39	35.77313	47	
8	130.97639	10	40	34.03229	50	
9	124.03638	11	41	32.30432	51	
10	117.65031	12	42	30.58943	52	
11	111.77141	13	43	28.88795	53	
12	106.35568	14	44	27.20041	54	
13	101.36176	15	45	25.52725	55	
14	96.75091	16	46	23.86899	56	
15	92.48687	17	47	22.22591	57	
16	88.53581	20	48	20.59814	60	
17	84.86623	21	49	18.98546	61	
18	81.44891	22	50	17.38729	62	
19	78.25678	23	51	15.80259	63	
20	75.26486	24	52	14.22975	64	
21	72.45021	25	53	12.66657	65	
22	69.79178	26	54	11.11008	66	
23	67.27038	27	55	9.55659	67	
24	64.86858	30	56	8.00144	70	
25	62.57063	31	57	6.43907	71	
26	60.36239	32	58	4.86287	72	
27	58.23120	33	59	3.26510	73	
28	56.16586	34	60	1.63680	74	
29	54.15652	35	61	-0.03223	75	
30	52.19458	36	62	-1.75367	76	
31	50.27262	37	63	-3.54053	77	

A0	0.21302307E 03	A1	-0.13955642E 02	A2	0.55596413E C0
A3	-0.12834097E-01	A4	0.14900858E-03	A5	-0.68737776E-06



E-128

GSFC/CRT DETECTOR TEMPERATURE

EEDETT E-129 02/11/72

DEC	ENGINEERING UNITS	OCT	DEC	ENGINEERING UNITS	OCT	DN
DN		DN	DN		DN	DN
0	213.02307	0	32	48.38436	40	
1	199.61070	1	33	46.52448	41	
2	187.23533	2	34	44.68866	42	
3	175.82520	3	35	42.87339	43	
4	165.31199	4	36	41.07593	44	
5	155.63068	5	37	39.29428	45	
6	146.71953	6	38	37.52698	46	
7	138.51994	7	39	35.77313	47	
8	130.97639	10	40	34.03229	50	
9	124.03638	11	41	32.30432	51	
10	117.65031	12	42	30.58943	52	
11	111.77141	13	43	28.88795	53	
12	106.35568	14	44	27.20041	54	
13	101.36176	15	45	25.52725	55	
14	96.75091	16	46	23.86899	56	
15	92.48687	17	47	22.22591	57	
16	88.53581	20	48	20.59814	60	
17	84.86623	21	49	18.98546	61	
18	81.44891	22	50	17.38729	62	
19	78.25678	23	51	15.80259	63	
20	75.26486	24	52	14.22975	64	
21	72.45021	25	53	12.66657	65	
22	69.79178	26	54	11.11008	66	
23	67.27038	27	55	9.55659	67	
24	64.86858	30	56	8.00144	70	
25	62.57063	31	57	6.43907	71	
26	60.36239	32	58	4.86287	72	
27	58.23120	33	59	3.26510	73	
28	56.16586	34	60	1.63680	74	
29	54.15652	35	61	-0.03223	75	
30	52.19458	36	62	-1.75367	76	
31	50.27262	37	63	-3.54053	77	

A0	0.21302307E 03	A1	-0.13955642E 02	A2	0.55596413E C0
A3	-0.12834097E-01	A4	0.14900858E-03	A5	-0.68737776E-C6

