GL02033

UNIVERSITY OF UTAH RESEARCH INSTITUTE

UURI

EARTH SCIENCE LABORATORY
420 CHIPETA WAY, SUITE 120
SALT LAKE CITY, UTAH 84108
TELEPHONE 801-581-5283

April 11, 1980

Mr. Vic C. Dunn, Geologist
Bureau of Land Management
Winnemucca District Office
705 East 4th Street
Winnemucca, Nevada 89445

Dear Mr. Dunn:

Enclosed is a fully executed copy of the "Notice of Intent to Conduct Geothermal Resource Exploration Operations".

We do appreciate the assistance and consideration you have given to us. Your ability to expedite this notice has allowed us to conduct our research in a very timely manner.

Sincerely yours,

W. L. Forsberg
Associate Director/
Administration

WLF:gm

Enclosures

cc: JCW, Inc.
H. R. Ross
W. O. Ursenbach
S. H. Ward
P. M. Wright

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Notice Number

NOTICE OF INTENT TO CONDUCT GEOTHERMAL RESOURCE EXPLORATION OPERATIONS

Applicant(s)	Address *(include zip code)*
University of Utah Research Institute	420 Chipeta Way, Suite 100 Salt Lake City, Utah 84108
Operator	**Address** *(include zip code)*
Earth Science Laboratory Division	420 Chipeta Way, Suite 120 Salt Lake City, Utah 84108
Contractor(s)	**Address** *(include zip code)*
JCW, Inc.	1973 West North Temple Salt Lake City, Utah 84116

hereby apply for authorization to conduct exploration operations pursuant to the provisions of 43 CFR 3209 now or hereafter in force across and upon the following-described lands *(give description of lands by township, attach map or maps showing lands to be entered or affected)*

See Attachment No. 1

Type of operations to be conducted *(give brief description)*

Research for geothermal resources (see Attachment No. 2)

Exploration operations will be conducted during the period *(date)* from March 31, 1980 to March 30, 1981

Attached ☐ $ Surety bond ☐ Rider to Nationwide bond ☐ Rider to Statewide bond ☐ Bond to be furnished

Upon completion of exploration operations the undersigned agrees to notify the Authorized Officer that authorized exploration operations have been completed in conformance with the general and special terms and stipulations of the notice.

The undersigned hereby agrees (1) that he will not enter upon the described land until he has been informed in writing whether there are special stipulations applicable to his Notice of Intent, as to either time or method of operation or otherwise, and, if there are such stipulations, what those stipulations are, (2) that he will comply with those special stipulations, if any; and (3) that he will not enter upon the described lands until his entry has been approved by the Authorized Officer.

The undersigned agrees to be bound by the terms and conditions of this notice to conduct exploration operations when approved by the Authorized Officer.

The undersigned agrees that the filing of this *Notice* under the regulations (43 CFR Subpart 3209) does not vest or confer any preference right to a geothermal resources lease.

The undersigned agrees further that all exploration operations shall be conducted pursuant to the following terms and conditions:

1. Exploration operations shall be conducted in compliance with all Federal, State, and local laws, ordinances, or regulations which are applicable to the area of operations including, but not limited to, those pertaining to fire, sanitation, conservation, water pollution, fish, and game. All operations hereunder shall be conducted in a prudent manner.

2. Due care shall be exercised in protecting the described lands from damage. All necessary precautions shall be taken to avoid any damage other than normal wear and tear to improvements on the land including, but not limited to, gates, bridges, roads, culverts, cattle guards, fences, dams, dikes, vegetative cover, improvements, stock watering, and other facilities.

3. All drill holes shall be capped when not in use and appropriate procedures shall be taken to protect against hazards in order to protect the lives, safety, or property of other persons or of wildlife and livestock.

4. All vehicles shall be operated at a reasonable rate of speed and, in the operation of vehicles, due care shall be taken to safeguard livestock and wildlife in the vicinity of operations. Existing roads and trails shall be used wherever possible. If new roads and trails are to be constructed, the Authorized Officer must be consulted prior to construction as to location and specifications. Reclamation and/or reseeding of new roads and trails shall be made as requested by the Authorized Officer.

5. Upon expiration, conclusion, or abandonment of operations conducted pursuant to this *Notice*, all equipment shall be removed from the land, and the land shall be restored as nearly as practicable to its original condition by such measures as the Authorized Officer may specify. All geophysical holes shall be safely plugged. The Authorized Officer shall be furnished a *Notice of Completion of Geothermal Resource Exploration Operations* (Form 3200–3) immediately upon cessation of all such operations and shall be further informed of the completion of reclamation work as soon as possible.

6. Location and depth of water sands encountered shall be disclosed to the Authorized Officer.

(Continued on reverse)

7. Operator shall contact the Authorized Officer, prior to actual entry upon the land in order to be appraised of practices which shall be followed or avoided in the conduct of exploration operations pursuant to the terms of this *Notice* and applicable regulations. Operator will conduct no operations on the land unless the attached bond is in good standing.

8. Due care shall be exercised to avoid scarring or removal of ground vegetative cover.

9. All operations shall be conducted in such a manner to avoid (a) blockage of any drainage systems; (b) changing the character, or causing the pollution or siltation of rivers, streams, lakes, ponds, waterholes, seeps, and marshes; and (c) damaging fish and wildlife resources or habitat. Cuts or fills causing any of the above-mentioned problems will be repaired immediately in accordance with specifications of the Authorized Officer.

10. Vegetation shall not be disturbed within 300 feet of waters designated by the Authorized Officer, except at approved stream crossings.

11. Surface damage which induces soil movement and/or water pollution shall be subject to corrective action as required by the Authorized Officer.

12. Trails and campsites shall be kept clean. All garbage and foreign debris shall be eliminated as required by the Authorized Officer.

13. Operator shall protect all survey monuments, witness corners, reference monuments, and bearing trees against destruction, obliteration, or damage. He shall, at his expense reestablish damaged, destroyed, or obliterated monuments and corners, using a licensed surveyor, in accordance with Federal survey procedures. A record of the reestablishment shall be submitted to the Authorized Officer.

14. Operator shall make every reasonable effort to prevent, control, or suppress any fires started by the operator, and to report, as soon as possible, to the Authorized Officer location and size of fires, and assistance needed to suppress such fires. Operator shall inform the Authorized Officer as soon as possible of all fires, regardless of location, noted, or suppressed by independent action.

15. No work shall be done within one-half mile of a developed recreation site without specific written authority from the Authorized Officer. Any travel within one-half mile of a recreation site shall be over existing roads or trails.

16. Use of explosives within one-half mile of designated waters is prohibited unless approved, in writing, by the Authorized Officer.

17. If operations conducted under the provisions of this *Notice* causes any damage to the surface of the national resource lands, such as, but not limited to, soil erosion, pollution of water, injury or destruction of livestock or wildlife, or littering, operator shall, within 48 hours, file with the Authorized Officer a map showing exact location of such damage and a written report containing operator's plans for correcting or minimizing damage, if possible.

18. Violation of, or failure to comply with any of these terms and conditions shall result in immediate shutdown of field operations until deficiency is corrected. Failure to correct deficiency within the time period allowed by the Authorized Officer shall result in forfeiture of bond.

19. The Bureau of Land Management reserves the right to close any area to operators in periods of fire danger or when irreparable damage to natural resources is imminent.

20. Contractor shall be liable for assuring compliance with all terms and conditions of this *Notice* and all actions of his designated operator, agents, and employees.

21. Where continuation of the operation will result in irreparable damage to the land and other natural resources this *Notice* will be immediately cancelled by the Authorized Officer.

22. Special Stipulations:

N Partridge — (Signature of Applicant) — (Date)

C L Fossley — (Signature of Operator) — 3-26-80 (Date)

We hereby agree to the special stipulations added and made a part of this *Notice* to conduct exploration operations.

Wayne Wrambek — (Signature of Holder of Notice) — 4/10/80 (Date)

C L Fossley — (Signature of Operator) — 4/10/80 (Date)

I hereby approve this *Notice* to conduct exploration operations.

Robert H Carroll — (Signature of Authorized Officer) — Acting District Mgr — (Title) — 4/4/80 (Date)

GPO 851-817

Attachment No. 1

Geographic Area

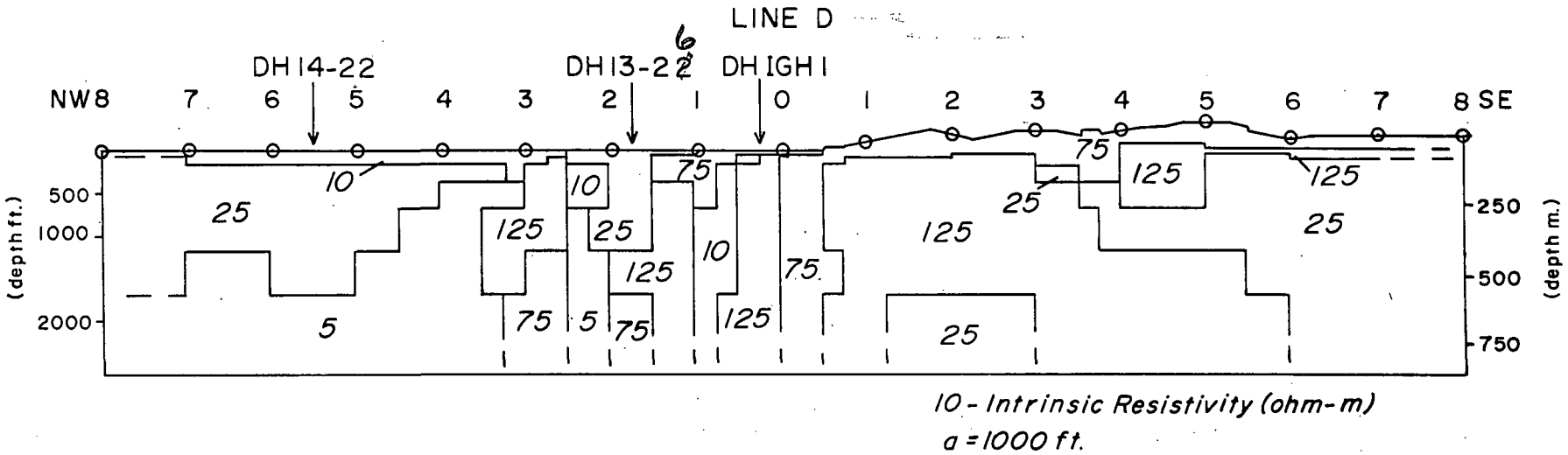
T27N, R31E, Sec. 1,2,3,10,11,12,13,14,15
T27N, R32E, Sec. 1 through 24
T27N, R33E, Sec. 5,6,8,9,16,17,18
T28N, R31E, Sec. 1,2,3,10,11,12,13,14,15,22,23,24,25,26,27,34,35,36
T28N, R32E, Sec. 1 through 36
T28N, R33E, Sec. 4,5,6,7,8,9,16,17,18,19,20,21,28,29,30,31,32,33

Attachment No. 2

Survey Requirement

The research will be a dipole-dipole resistivity survey requiring the use of electrical wire along the ground and connected to stakes along the survey lines. The wire will be deployed by slow-moving four wheel drive vehicles. Wire and stakes will be retrieved at the conclusion of the current and potential measurements. The following stiuplations will be followed during the survey:

1) Restrict vehicular activity to existing roads or trails whenever survey requirements permit.
2) Allow free and unrestricted access on the roads for other traffic.
3) Report to the BLM office all archaeological sites and refrain from pilfering such sites.
4) Remove all survey materials, litter and waste from sites.
5) All reasonable effort will be given to protect the environment.



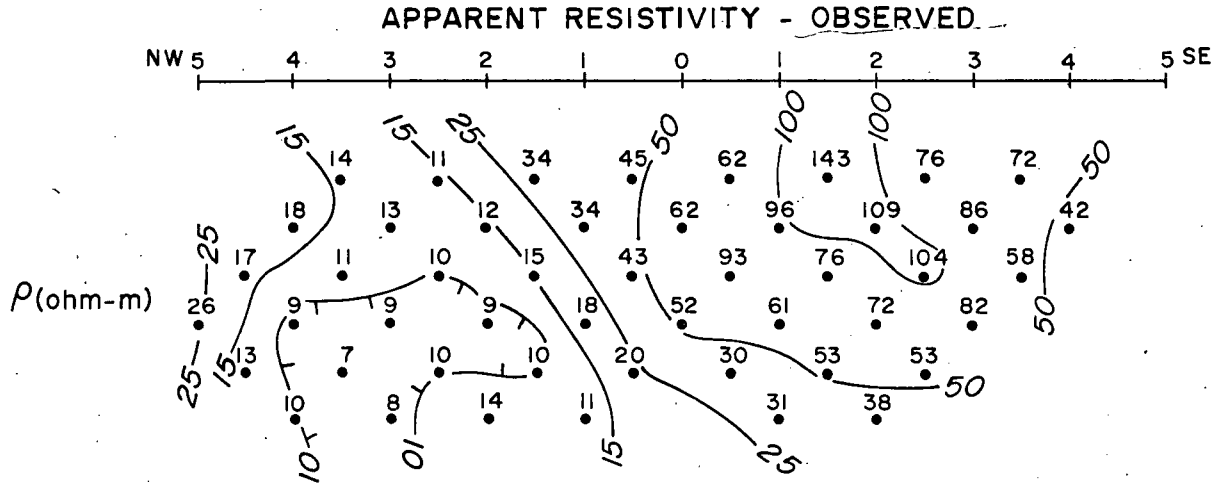
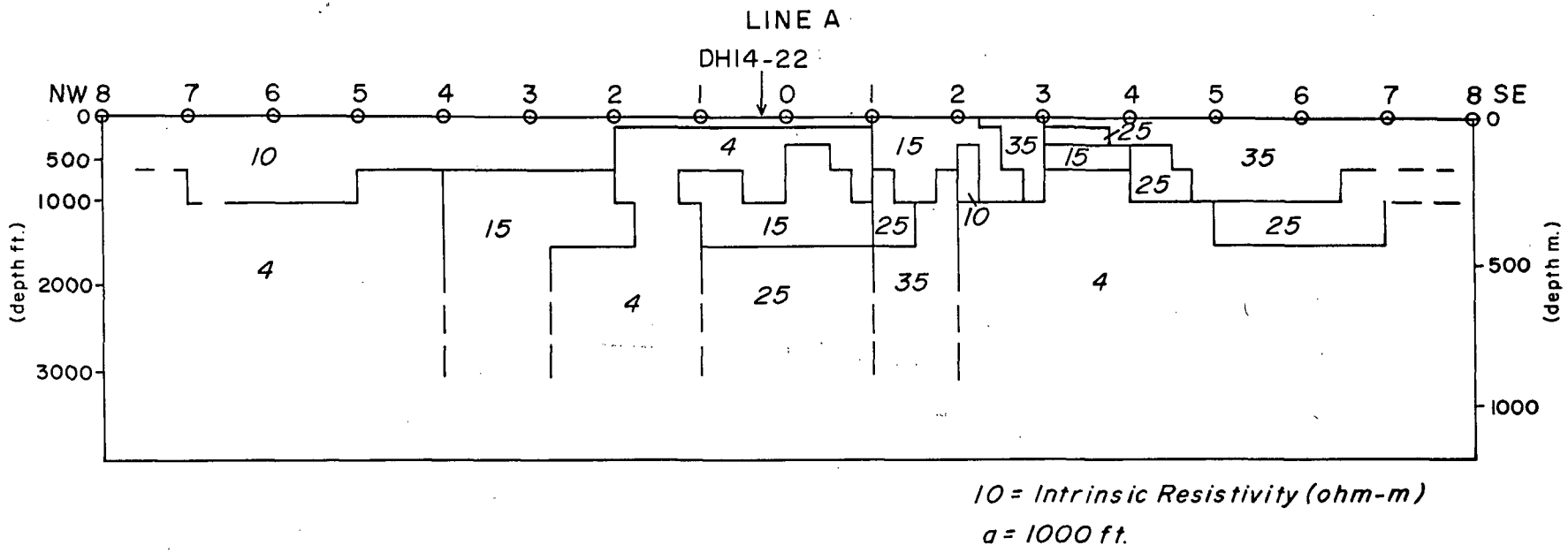


FIGURE 2 INTERPRETED RESISTIVITY SECTION AND OBSERVED APPARENT RESISTIVITY

LINE D - COLADO GEOTHERMAL AREA

PERSHING COUNTY, NEVADA

Scale 1:24,000



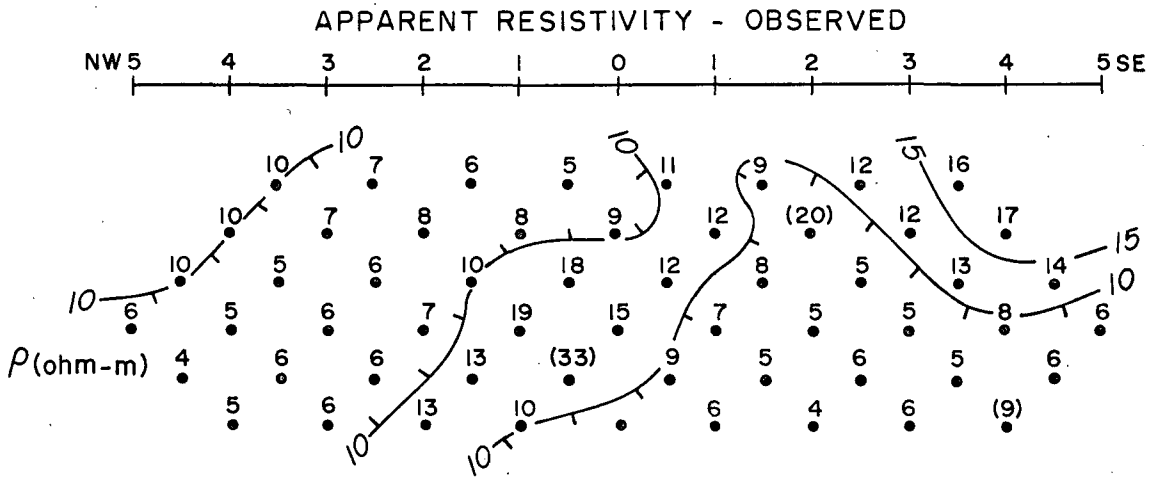
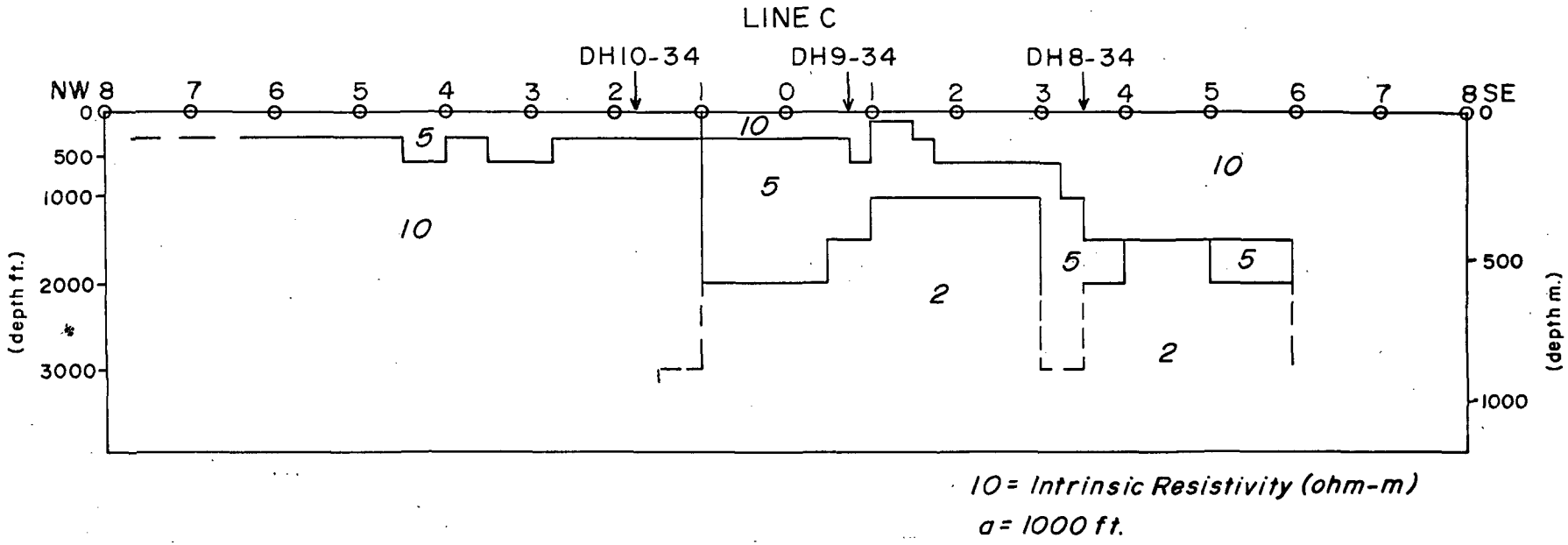


FIGURE 3 INTERPRETED RESISTIVITY SECTION AND OBSERVED APPARENT RESISTIVITY

LINE A - COLADO GEOTHERMAL AREA

PERSHING COUNTY, NEVADA

Scale 1:24,000



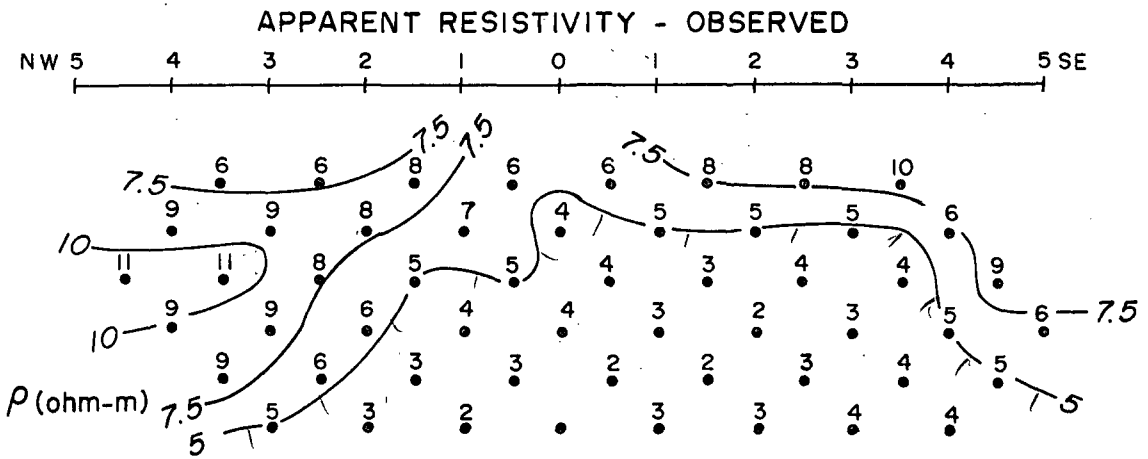
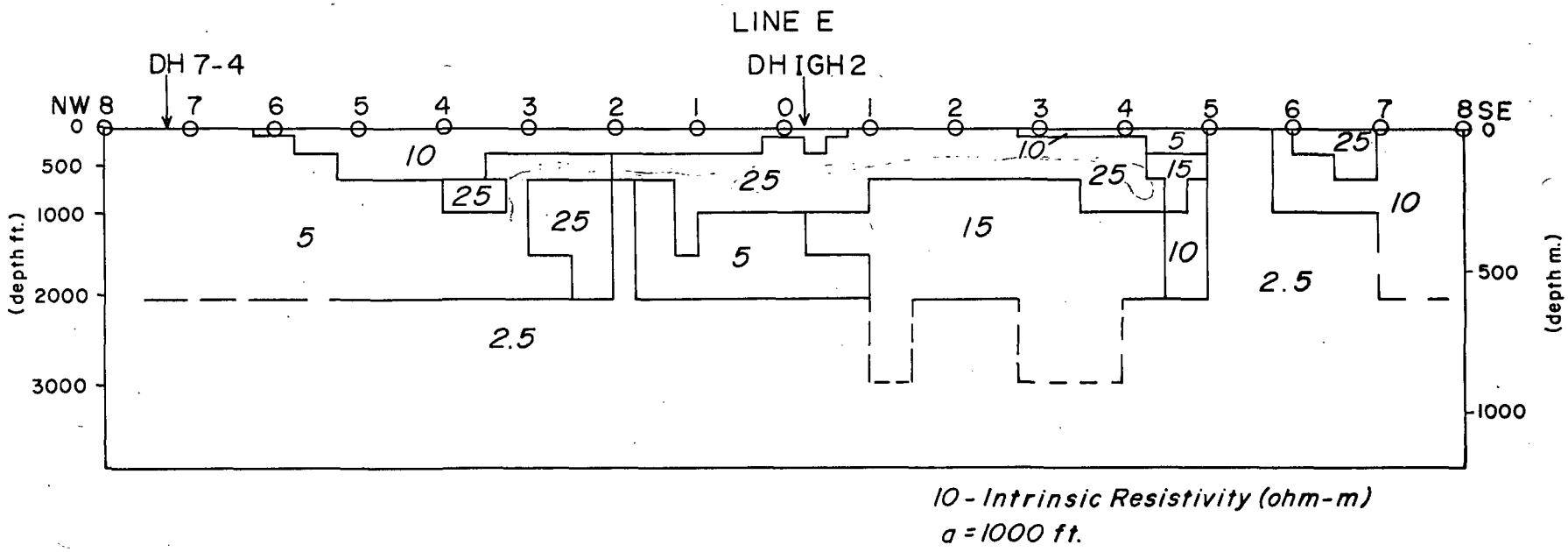


FIGURE 4 INTERPRETED RESISTIVITY SECTION AND OBSERVED APPARENT RESISTIVITY

LINE C - COLADO GEOTHERMAL AREA

PERSHING COUNTY, NEVADA

Scale 1:24,000



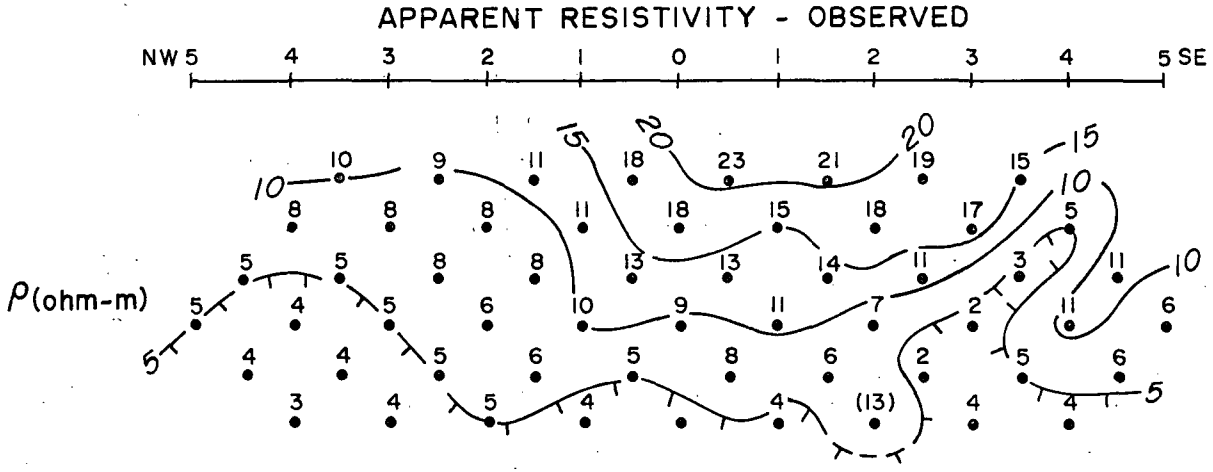
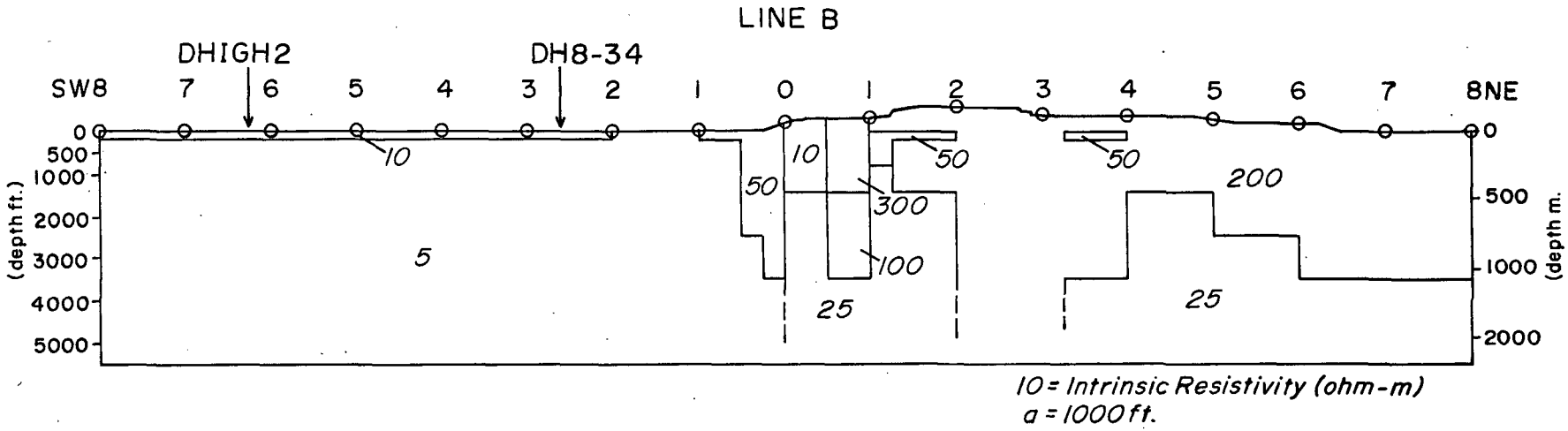


FIGURE 5 INTERPRETED RESISTIVITY SECTION AND OBSERVED APPARENT RESISTIVITY

LINE E - COLADO GEOTHERMAL AREA
PERSHING COUNTY, NEVADA
Scale 1:24,000



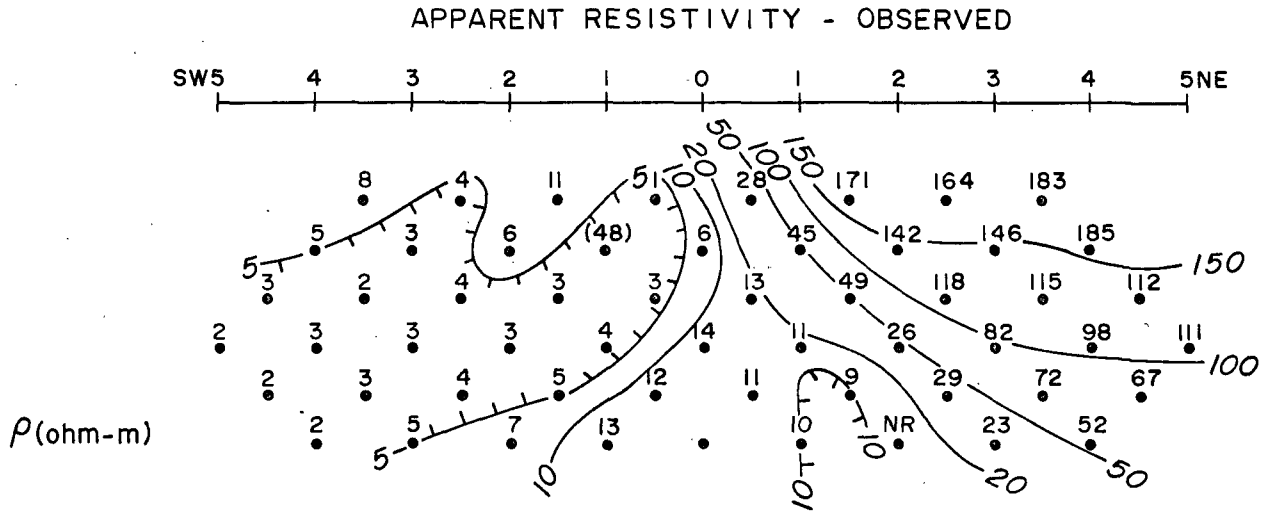
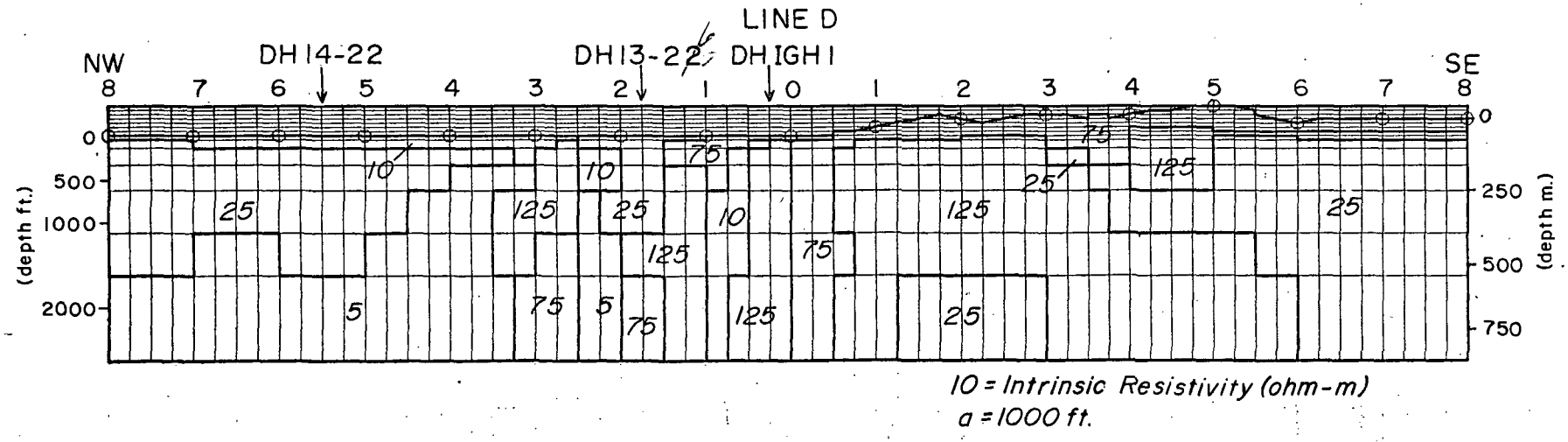


FIGURE 6 INTERPRETED RESISTIVITY SECTION AND OBSERVED APPARENT RESISTIVITY

LINE B - COLADO GEOTHERMAL AREA

PERSHING COUNTY, NEVADA

Scale 1:24,000



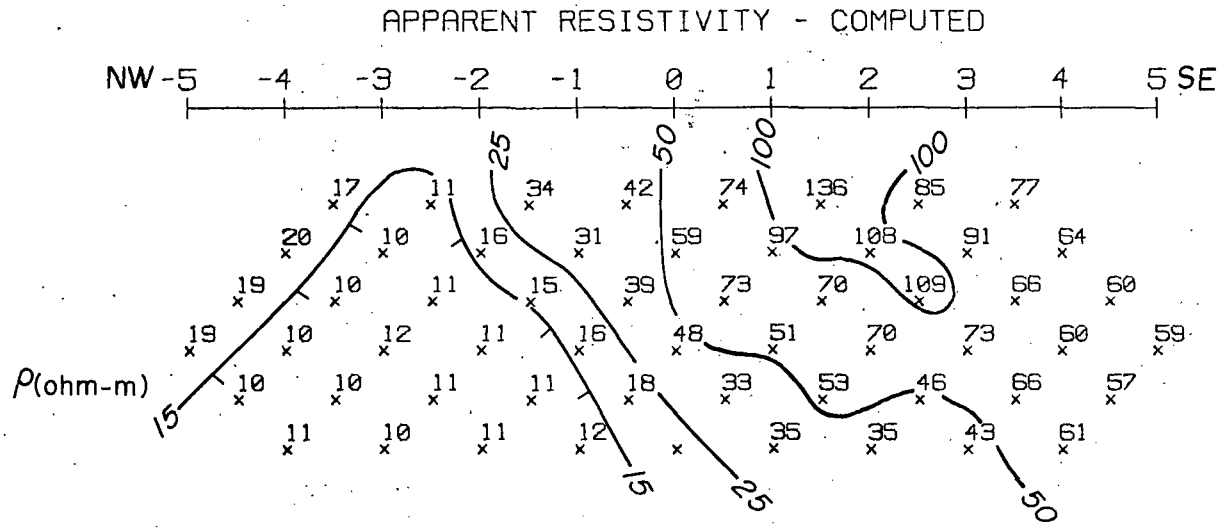
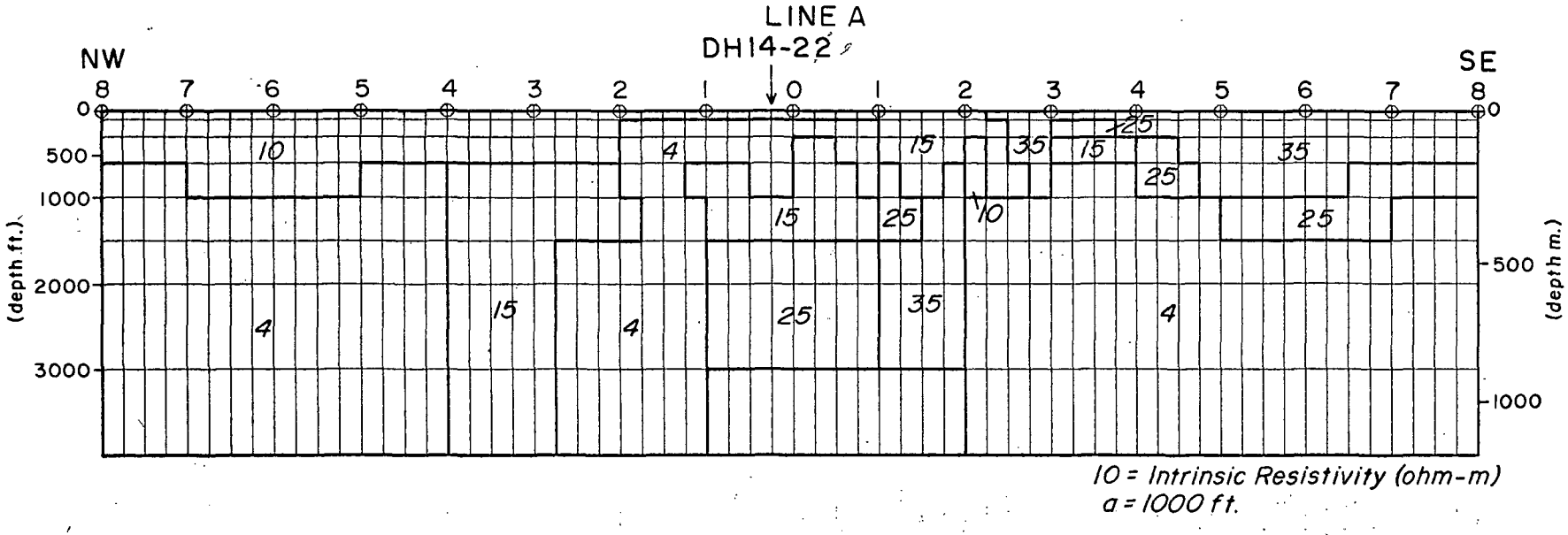


FIGURE A2 INTERPRETED RESISTIVITY SECTION AND COMPUTED APPARENT RESISTIVITY

LINE D - COLADO GEOTHERMAL AREA

PERSHING COUNTY, NEVADA

Scale 1:24,000



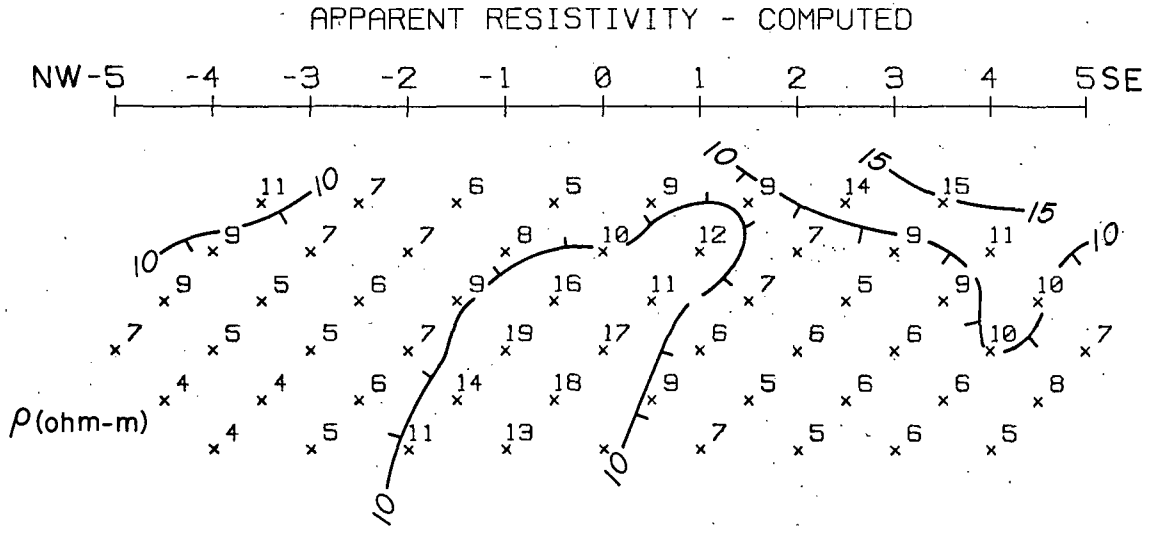
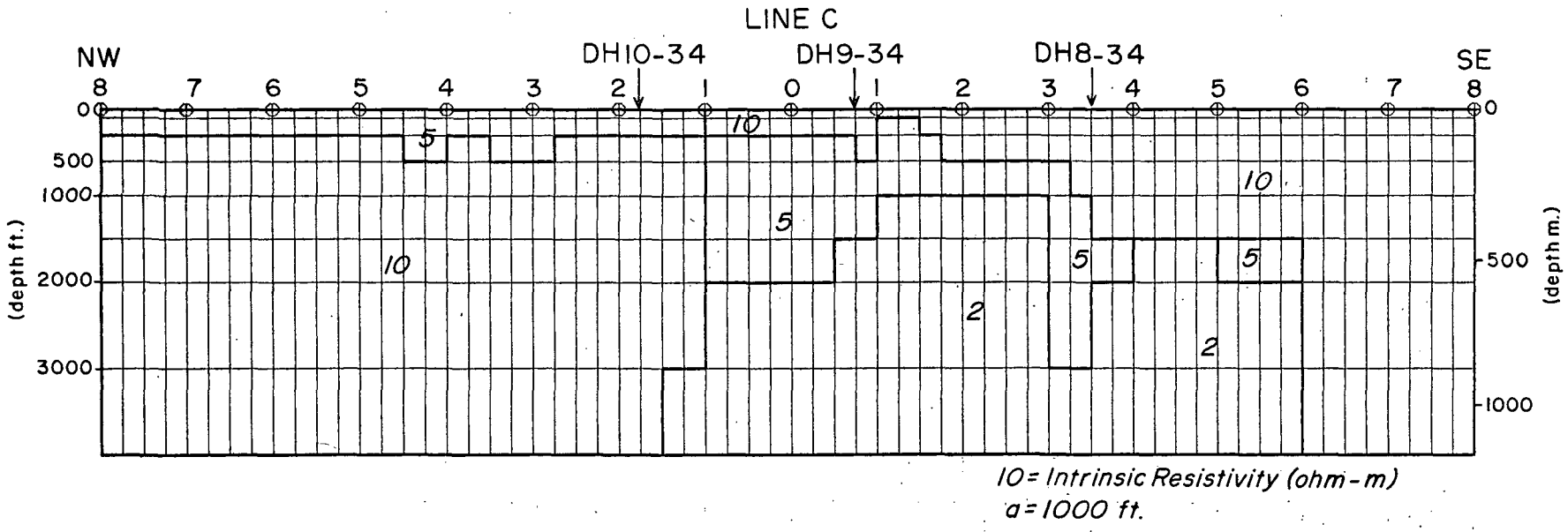


FIGURE A3/2 INTERPRETED RESISTIVITY SECTION AND COMPUTED APPARENT RESISTIVITY

LINE A - COLADO GEOTHERMAL AREA

PERSHING COUNTY, NEVADA

Scale 1: 24,000



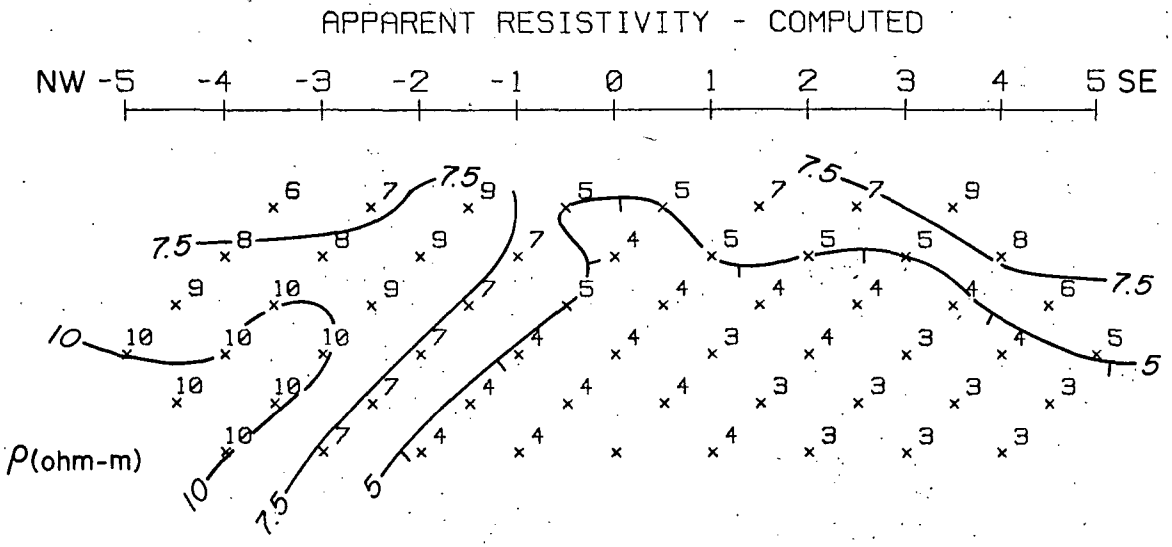


FIGURE A4/3 INTERPRETED RESISTIVITY SECTION AND COMPUTED APPARENT RESISTIVITY

LINE C - COLADO GEOTHERMAL AREA

PERSHING COUNTY, NEVADA

Scale 1:24,000

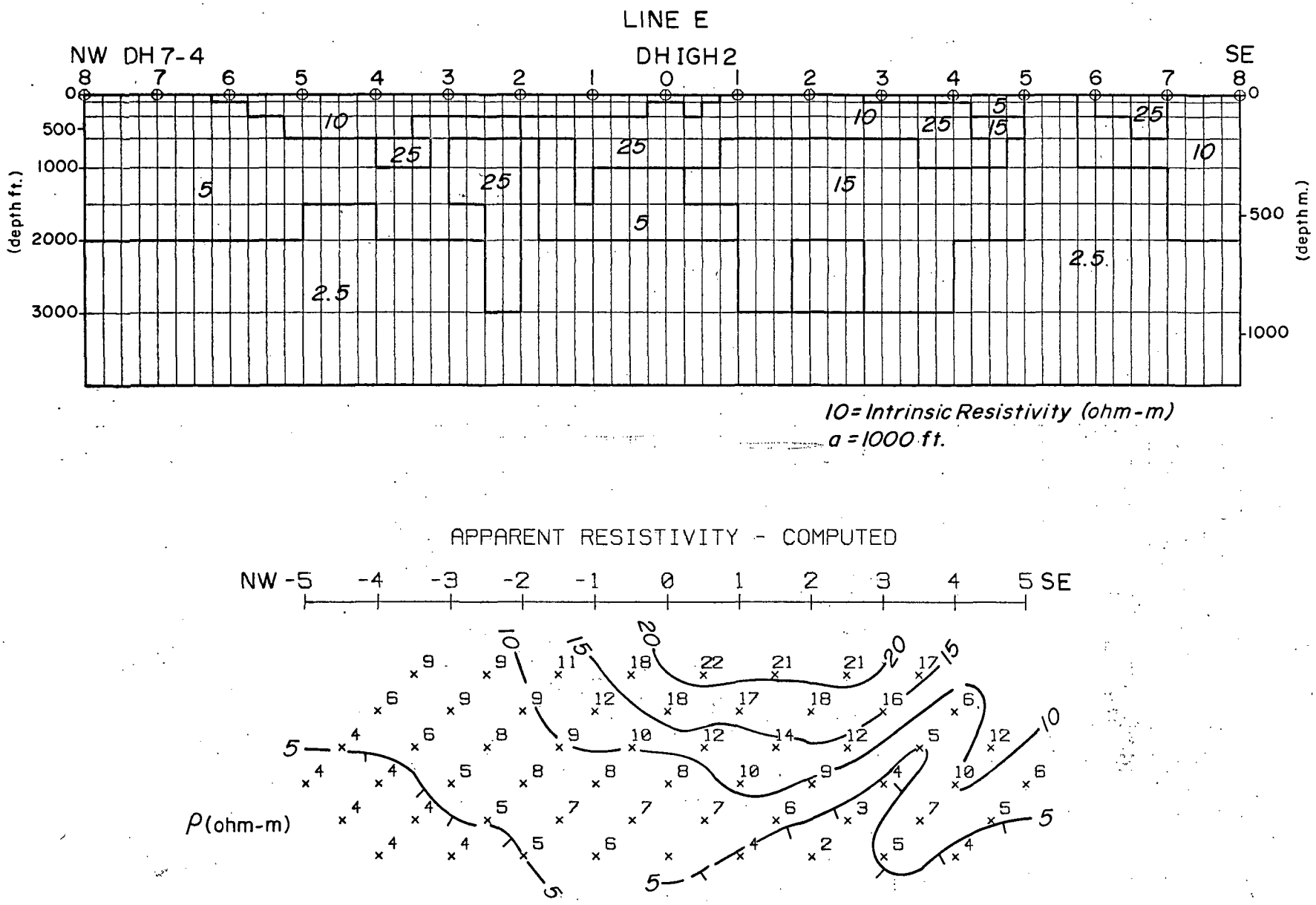


FIGURE A5/4 INTERPRETED RESISTIVITY SECTION AND COMPUTED APPARENT RESISTIVITY
LINE E-COLADO GEOTHERMAL AREA
PERSHING COUNTY, NEVADA
Scale 1:24,000

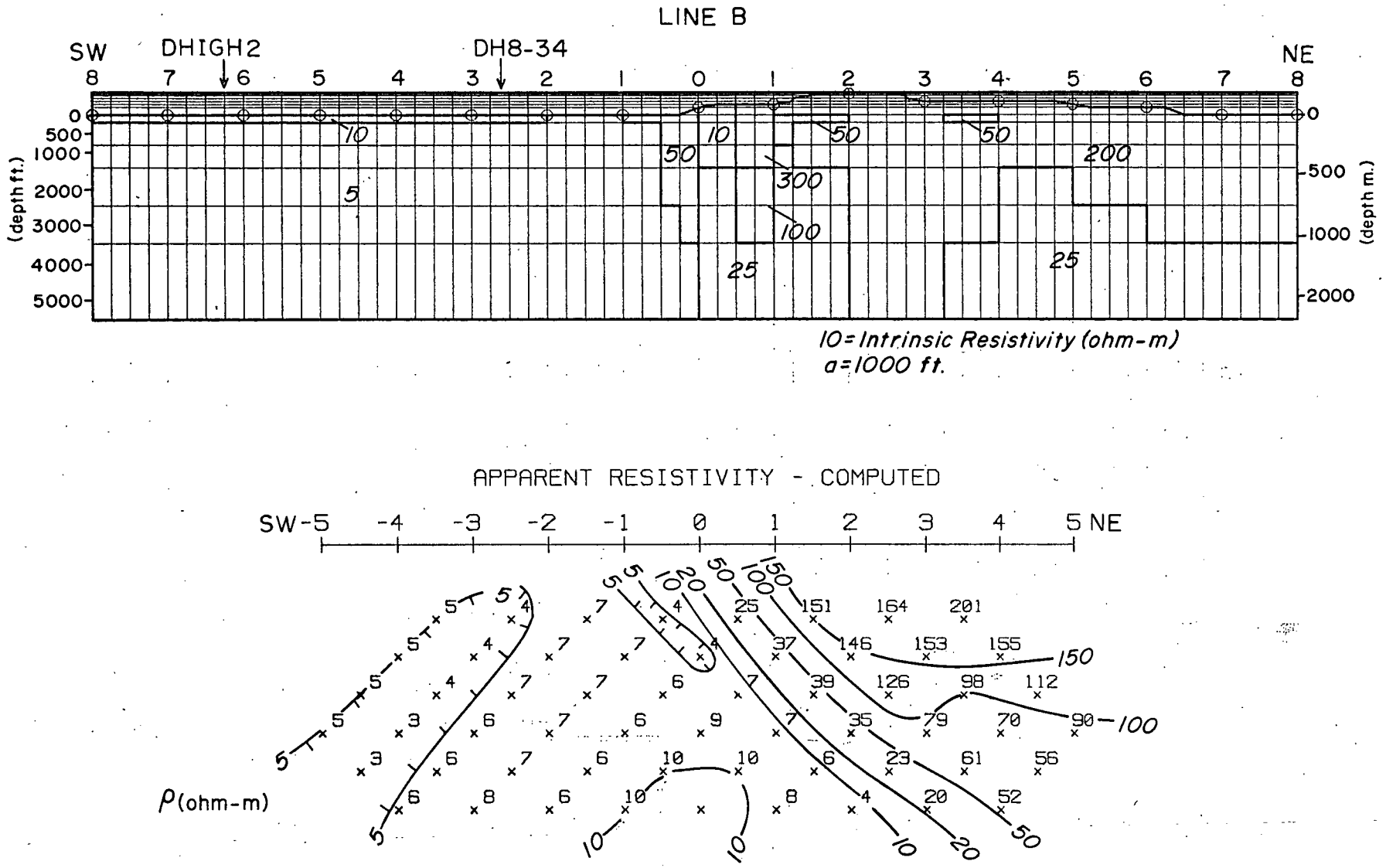
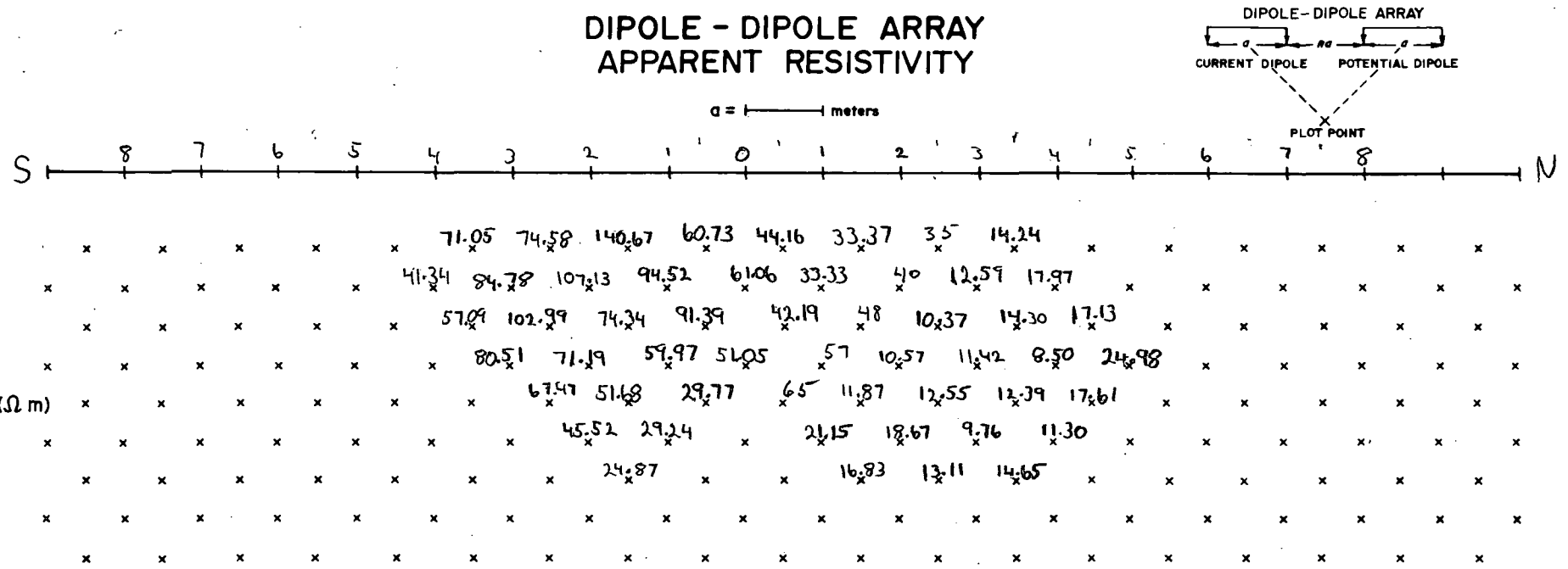


FIGURE A6 INTERPRETED RESISTIVITY SECTION AND COMPUTED APPARENT RESISTIVITY

LINE B - COLADO GEOTHERMAL AREA
PERSHING COUNTY, NEVADA
Scale 1:24,000

EARTH SCIENCE LABORATORY
UNIVERSITY of UTAH RESEARCH INSTITUTE

DIPOLE - DIPOLE ARRAY
APPARENT RESISTIVITY



Scintrex Model IPC-7 15 kilowatt square wave transmitter

Scintrex Model IPR-10 digital time domain IP ~~receiver~~ receiver

&

Scintrex Model IPR-8A receiver in conjunction with a Hewlett Packard 7155B strip chart recorder

AREA Colado STATE _____ LINE O DATA BY _____

Line D @ 1000'

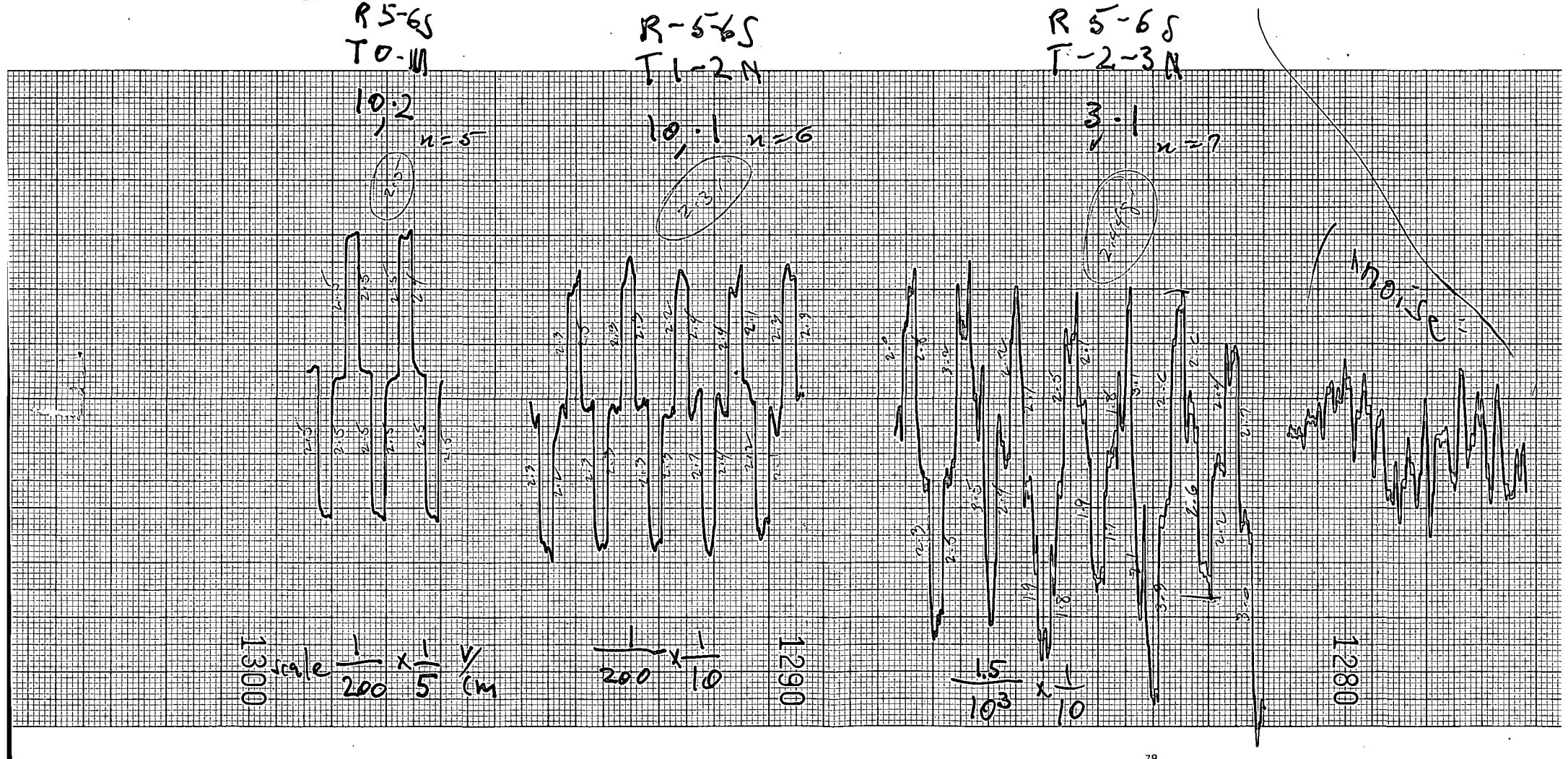
Colado ... Pa Survey

Tx	Rx	n	V	I	Pa
1-2N	0-1S	1	75.0	9.6	44.8
2-3N	"	2	14.3	9.7	33.9
0-1N	1-2S	1	100.67	9.4	61.5
1-2N	"	2	26.2	9.7	62.1
2-3N	"	3	7.24	9.7	42.9
0-1S	2-3S	1	223.67	9.0	142.7
0-1N	"	2	39.3	9.4	96.2
1-2N	"	3	15.17	9.4	92.7
2-3N	"	4	4.27	9.5	51.7
1-2S	3-4S	1	128.33	9.7	75.9
0-1S	"	2	41.6	8.8	108.7
0-1N	"	3	12.13	9.2	75.7
1-2N	"	4	5.05	9.5	61.1
2-3N	"	5	1.583	10.5	30.3
2-3S	4-5S	1	131.67	10.5	72.0
1-2S	"	2	37.4	10.0	86.0
0-1S	"	3	16.37	9.0	104.5
0-1N	"	4	5.92	9.4	72.4
1-2N	"	5	2.56	9.8	52.8
2-3N	"	6	0.969	10.5	31.2
2-3S	5-6S	2	19.17	10.5	42.0
1-2S	"	3	10.09	10.0	57.9
0-1S	"	4	6.41	9.0	81.9
0-1N	"	5	2.5	9.5	52.9

Colado

Tx	Rc	n	V	I	Pa
1-2W	5-6S	6	1.153	9.9	37.6
2-3W	"	7	0.3672	10.5	16.9
2-3W	0-1W	1	49.6	8.4	33.9
1-2W	3-4W	1	19.13	10.0	11.0
0-1W	"	2	5.19	9.6	12.4
0-1S	"	3	2.346	9.2	14.6
1-2S	"	4	1.53	10.0	17.6
2-3S	"	5	1.103	11.0	20.2
2-3W	4-5W	1	25.17	10.0	14.4
1-2W	"	2	5.57	10.0	12.8
0-1W	"	3	1.78	9.7	10.5
0-1S	"	4	0.6975	9.2	8.7
1-2S	"	5	0.5124	10.0	10.3
2-3S	"	6	0.3831	11.0	11.2
2-3W	5-6W	2	7.95	10.0	18.3
1-2W	"	3	1.95	10.0	11.2
0-1W	"	4	0.7625	9.8	8.9
0-1S	"	5	0.47745	9.3	10.3
1-2S	"	6	0.4338	10.0	14.0
2-3S	"	7	0.3321	11.0	14.6
2-3W	6-7W	3	3.0225	10.0	17.4
1-2W	"	4	0.800	10.5	8.8
0-1W	"	5	0.345	9.9	7.0
0-1S	"	6	0.2337	9.4	8.0

Tx	Rc	n	V	I	Pa
1-2S	6-7N	7	0.24	10.5	11.1
2-3N	7-8N	4	2.23	10.0	25.6
1-2N	"	5	0.66	10.0	13.3
0-1N	"	6	0.2925	9.8	9.6
0-1S	"	7	0.2144	9.4	11.1



R4-5N
T0-1S

3,1.2

n=4

R-4-5N
T1-2S

3,1.2

n=5

R-4-5N
T2-3S

3,1

n=6

R5-6N
T1-2N

10,1.2

n=3

R5-6N
T0-1N

10,1

n=4

Scale: $\frac{1.5}{10^3} \times \frac{1}{5} \frac{V}{cm}$

1260

$\frac{1.5}{10^3} \times \frac{1}{5}$

1250

$\frac{1.5}{10^3} \times \frac{1}{10}$

$\frac{1}{200} \times \frac{1}{5}$

$\frac{1}{200} \times \frac{1}{10}$

1240

R-5-6N
T 0-1S

3.1

n=5

1.5 / 10^3 x 1/10

R-5-6N
T 1-2S

3.1

n=6

0.22T

1.5 / 10^3 x 1/10

R-5-6N
T-2-3S

3.1

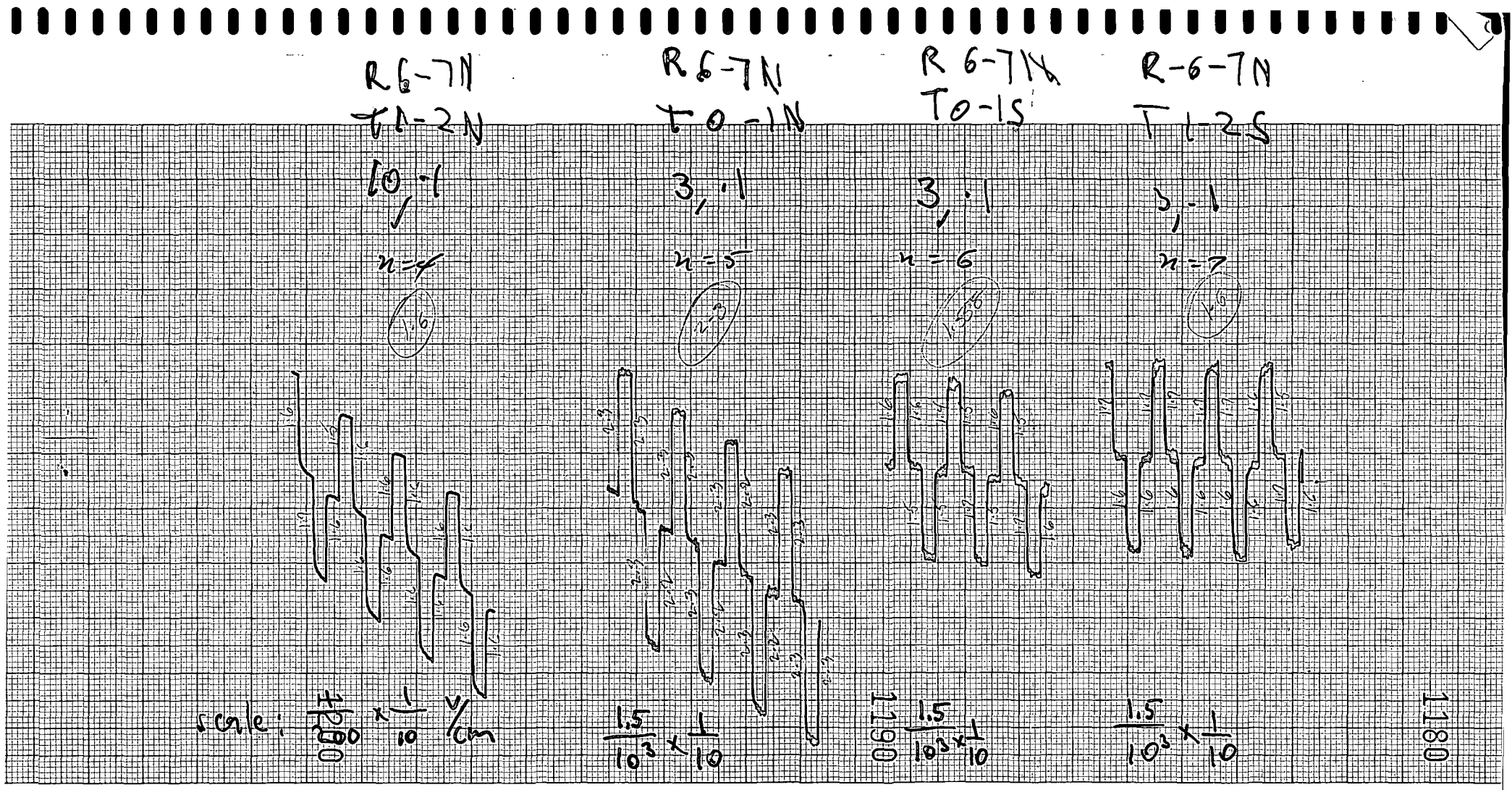
n=7

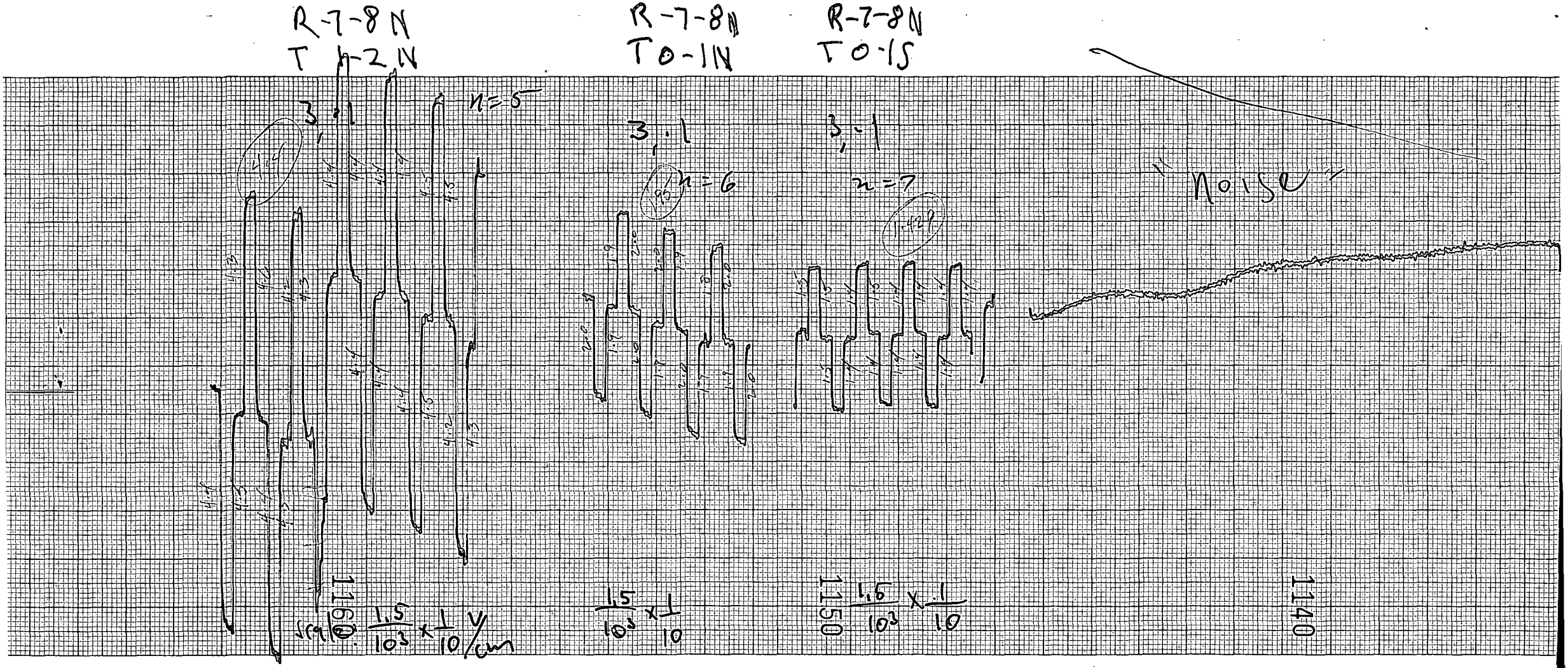
0.22T

1.5 / 10^3 x 1/10

Line #0

#1 (2)




R-7-8 N
T 1-2 N
3 : 1
n = 5
1160
1.5 / 10³ × 1/10 V/cm
R-7-8 N
T 0-1 N
3 : 1
n = 6
1.5 / 10³ × 1/10
R-7-8 N
T 0-1 S
3 : 1
n = 7
1150
1.6 / 10³ × 1/10
"Noise"
1140

Scintrex Mineral Surveys, Inc.

(1)

Twp. Colcada	Prop. Line D	Date 17
Oper. Line #D	Asst. C. McGarvie	Method dipole-dipole 4 = 1000

T. Station	R.	amps			
2-3 N'	0-1N	8.4	1000X.87		
2 - 1N'	0-1S	9.6	1000X.87		
3 - 2N'		9.7	1000X.87		
1 - 0N'	1-2S	9.4	1000X1		
2 - 1N'		9.7	1000X.87		
3 - 2N'		9.7	1000X.87		
0 - 1S'	2-3S	9	1000X1.12		
1N - 0'		9.4	1000X1		
2N - 1N'		9.4	1000X.87		
3 - 2N'		9.5	1000X.87		

Scintrex Mineral Surveys, Inc.

(2)

Twp. Colado	Prop. line 0	Date 4/17/80
Oper. T. White	Asst. C. McCann	Method Dipole-dipole $\frac{n}{4} = 1000$

Tx Station	Rx	Amps			n = 1
1-2S	3-4S	9.7	1000 X 1.00		1
0-1S	↓	8.8	1000 x 1.12		2
0-1N	↓	9.2	1000 x 1.		3
1-2N	↓	9.5	1000 X .87		4
2-3N	↓	10.5	1000 X 1.00		5
2-3S	4-5S	10.5	1000 X .87		1
1-2S	↓	10	1000 X 1.12		2
0-1S	↓	9	1000 X 1.12		3
0-1N	↓	9.4	1000 X 1.00		4
1-2N	↓	9.8	1000 X .87		5
2-3N	↓	10.5	1000 X 1.00		6
2-3S	5-6S	10.5	1000 X .87		2
1-2S	↓	10	1000 X 1.12		3
0-1S	↓	9	1000 X 1.12		4
0-1N	↓	9.5	1000 X 1.00		5
1-2N	↓	9.9	1000 X .87		6
2-3N	↓	10.5	1000 X 1.00		7

Scintrex Mineral Surveys, Inc.

(3)

Twp. Cadar	Prop. Line D	Date 7/7/80
Oper. T. White	Asst. C. McAlpin	Method Slope - Single

Tx Station	Rx				n =
~~2-3N~~ 1-2N	3-4N	10	1000 V.87		1
0-1N	|	9.6	1000 X 1		2
0-1S	|	9.2	1000 X 1.12		3
1-2S	|	10	1000 X 1.00		4
2-3S	↓	11	1000 X .87		5
2-3N	4-5N	10	1000 X .87		1
1-2N		10	1000 X .87		2
0-1N		9.7	1000 X 1		3
0-1S		9.2	1000 X 1.12		4
1-2S		10	1000 X 1.00		5
2-3S		11	1000 X .87		6
2-3N	5-6N	10	1000 X .87		2
1-2N		10	1000 X .87		3
0-1N		9.8	1000 X 1		4
0-1S		9.3 (9.3)	1000 X 1.12		5
1-2S		10 (10)	1000 X 1.00		6
2-3S		11	1000 X .87		7

Scintrex Mineral Surveys, Inc.

(4)

Twp. Colado	Prop. Lino D	Date 4/17/80
Oper. T. Di Dio	Asst. C. McAlpine	Method dipole-dipole A=1000

T_x Station	R_x	mean			n=
2-3 N	6-7 N	10	1000x.87		3
1-2 N		10.5	1000x.95		4
0-1 N		9.9	1000x1		5
0-1 S		9.4	1000x1.12		6
1-2 S		10.5	1000x1		7
2-3 N	7-8 N	10	1000x.87		4
1-2 N		10	1000x.87		5
0-1 N		9.8	1000x1		6
0-1 S		9.4	1000x1.12		7

Scintrex Mineral Surveys, Inc.

Twp.		Prop.		Date 17	
Oper. Line #D		Asst.		Method	
Station	R				
8.4 2-3 N	0-1N	30x1.68,	1.65, 1.63		49.60 / 33.37
7.6 2-1 N	0-1S	30x2.52	x2.48 2.50		75.00 / 44.16
9.1 3-2 N		10x1.44	x1.42, 1.44		14.3 / 33.33
9.4 1-0 N'	1-2S	100x1.00	1.02, 1.00		101 / 60.73
7.7 2-1 N'		10x2.63	2.60, 2.62		26.2 / 61.06
7.1 3-2 N'		3x2.43	2.40, 2.41		7.24 / 42.19
7 0-1S	2-3S	100x2.24	x2.23 2.24		224 / 140.67
7.4 1 N-0		30x1.32	x1.30, 1.31		39.30 / 94.52
4.7 N-1N		10x1.52	x1.50, 1.53		15.2 / 91.39
7.5 3-2N		3x1.44	x1.42, 1.41		4.32 / 51.05

Scintrex Mineral Surveys, Inc.

Twp.		Prop.		Date 17	
Oper. Line #D		Asst.		Method	
T Station	R				
~~3-4 S~~	3-4 S				
1 2-2S 1	100 X 1.35	x1.20	x1.29	x 1.28	128 / 74.58
38 0 -1 S 2	30 X 1.39	x1.38	x1.39		41.70 / 102.13
1.7 N - 0 3	10 X 1.22	x1.20	x 1.22		12.1 / 74.34
5.0 2N - 1N 4	3 X 1.69	x1.67	x1.69		5.04 / 59.97
0.5 3 - 2N 5	1 X 1.58	x 1.60	1 x 1.57		1.58 / 29.77
10.5 2 - 3 S 1	4-5 S	100 x 1.32	x 1.32	x 1.31	132 / 71.05
10 1 - 2 S 2		30 X 1.24	x 1.26	x 1.24	31.50 / 84.78
9 0 - 1 S 3		10 X 1.64	X 1.64	X 1.63	16.4 / 102.99
14 N - 0 4		3 X 1.98	x 1.96	x 1.98	5.92 / 71.19
18 2 - 1 N 5		1 X 2.57	X 2.53	X 2.58	2.56 / 51.68
10.3 3 - 2 N 6		3 X 3.23	x 3.19	x 3.27	9.7 / 29.24
10.5 2 - 3 S 2	5-6 S	10 X 1.93	x 1.90	X 1.92	19.2 / 41.34
10 1 - 2 S 3		10 X 1.00	x 1.02	x 1.00	10.1 / 57.09
9 0 - 1 S 4		3 X 2.12	2.10	2.19	6.41 / 80.51
15 N - 0 5		1 X 3.24	g		3.24 / 67.47
1.9 2 - 1 N 6	$\frac{1}{2} \times \frac{1}{1000} \times$	1.33	g 7.33mV		1.33 / 45.52
0.5 3 - 2 N 7	$\frac{5.5}{2} \times \frac{1.5}{10^4}$	"	g .55		.55 / 24.87

Scintrex Mineral Surveys, Inc.

Twp.		Prop.		Date	7
Oper. Line #0		Asst.		Method	

Station	R				
~~0~~ 1 ~~1~~	3'-4 N	Fence grounded 10' from 3'N			
10 2 -3 N					
10 1 -2 S 1		10 x 1.91	x 1.92	x 1.91 10	19.1 35.
10 0 -1 N 2		3 x 1.74	x 1.72	x 1.73 9,6	5.16 40
1.2 1 -0 S 3		1 x 2.35	2.32	2.37 9,2	2.33 48
10 2 -1 S 4		1 x 1.52	1.50	1.57 10	1.53 57
11 3 -2 S 5		1 x 1.10	x 1.09 x	1.12 11	1.10 65
10 2 -3 N 1	4-5 N	10 x 2.52	x 2.50	x 2.53	25.2 14.24
10 1 -2 N 2		3 x 1.87	x 1.85	x 1.85	5.57 12.59
1.7 0 -1 N 3		1 x 1.78	1.76	1.79	1.78 10.37
1.2 1 -0 S 4		(3 x 2.88)	g		.86 10.57
10 2 -1 S 5	3/2 x 1.5/10^3 x 5	x 1.33	g .60 mv		.60 11.87
11 3 -2 S 6	5/2 x 1.5/10^4	x 1.33	g .49		.49 21.15
			g		
0 2 -3 N 2	5-6 N	3 x 2.65			1.95 17.97
10 1 -2 N 3		1 x 2.53	g		2.53 14.30
1.8 0 -1 N 4	3/2 x 1/2000	x 1.33	g .99 mv		.99 11.42
7.3 1 -0 S 5	6/2 x 1.5/10^4	x 1.33	g .59 mv		.59 12.55
10 2 -1 S 6	6/2 x 1.5/10^4	x 1.33	g .59		.59 18.67
11 3 -2 S 7	4/2 x 1.5/10^4	x 1.33	g .39		.39 16.83

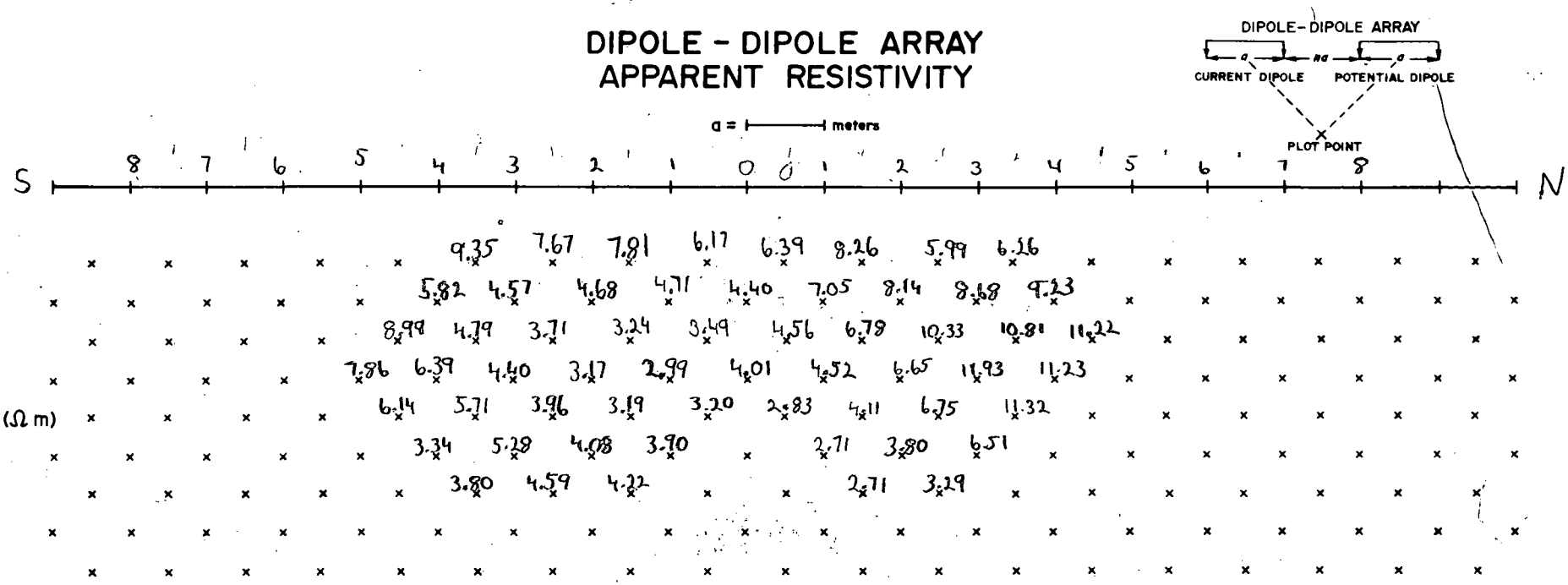
Scintrex Mineral Surveys, Inc.

Twp.		Prop.			Date 17
Oper. Line FO		Asst.		Method	

Station					
10 2 -3 N 13	6-7 N	3 x 1.00	x 1.00 x 1.01	x 1.02	3.03 / 17.13
10.5 -2 N 54	$\frac{2.4}{2} \times \frac{1}{2000}$	1 x g	.79 mv		.79 / 8.5
1.9 0 -1 N 69	$\frac{4.2}{2} \times \frac{1.5}{104}$ x 1.33	g	.62		.62 / 12.39
7.4 1 -0 S 6	$\frac{3}{2} \times \frac{1.5}{104}$	" g	.29		.29 / 9.76
0.5 2 -1 07	$\frac{3}{2} \times \frac{1.5}{104}$	" g	.29		.29 / 12.11
10 2 -3 N 4	7-8 N	1 x 2.23	x 2.25	x 2.21	2.21 / 24.98
10 1 -2 N 5	$\frac{9}{2} \times \frac{1.5}{104}$ x 0.33		.89 mv		.89 / 17.61
1.8 0 -1 N 6	$\frac{3.5}{2} \times \frac{1.5}{104}$	g "	.35		.35 / 11.30
1.4 1 S -0 7	$\frac{3}{2} \times \frac{1.5}{104}$	g "	.29 mv		.29 / 14.65

EARTH SCIENCE LABORATORY
UNIVERSITY of UTAH RESEARCH INSTITUTE

DIPOLE - DIPOLE ARRAY
APPARENT RESISTIVITY



ohm . ft.

AREA Colado STATE _____ LINE C DATA BY _____ DATE _____ TRANSMITTER _____ RECEIVER _____

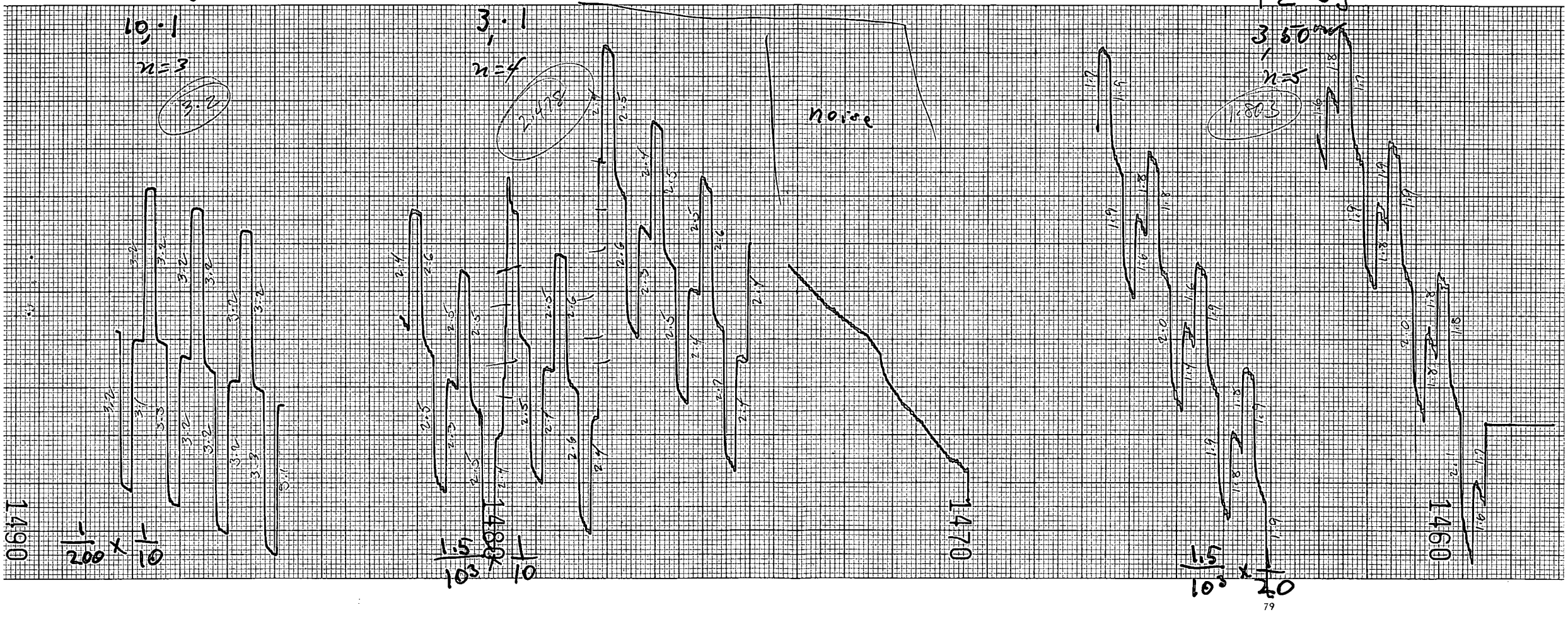
Line C @ 1000' Colado Pa Survey

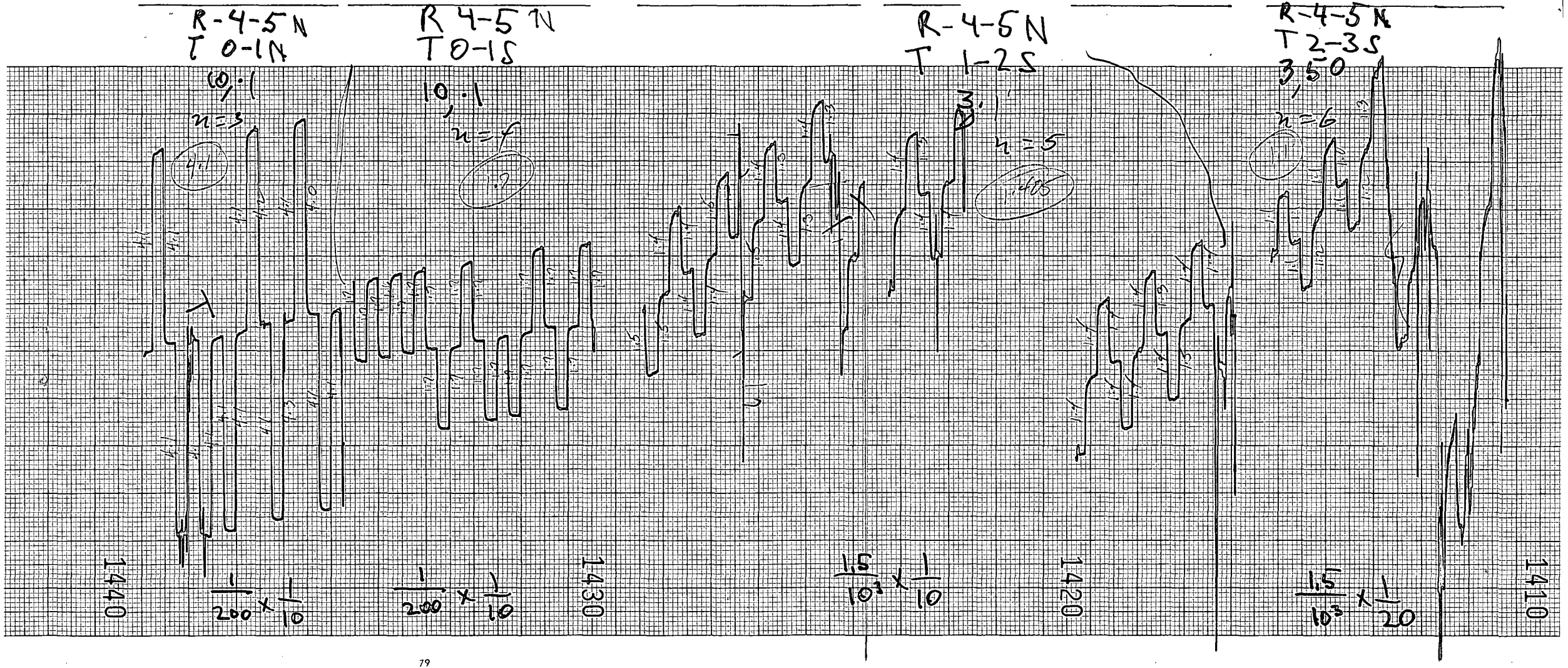
Tx	Rc	n	V	I	Pa
1-2 S	0-1 N	1	14.2	13.0	6.3
2-3 S	"	2	2.29	11.0	4.8
0-1 S	1-2 N	1	19.8	17.5	6.5
1-2 S	"	2	2.82	14.5	4.5
2-3 S	"	3	0.68	11.0	3.6
0-1 N	2-3 N	1	21.2	14.5	8.4
0-1 S	"	2	5.46	17.5	7.2
1-2 S	"	3	1.17	14.5	4.6
2-3 S	"	4	0.393	11.0	4.1
1-2 N	3-4 N	1	15.9	15.0	6.1
0-1 N	"	2	5.22	14.5	8.3
0-1 S	"	3	2.04 1.6	17.0	5.4
1-2 S	"	4	0.3717	12.0	3.6
2-3 S	"	5	0.1352	10.5	2.6
2-3 N	4-5 N	1	14.4	13.0	6.4
1-2 N	"	2	5.76	15.0	8.8
0-1 N	"	3	2.65 2.05	14.5	8.1
0-1 S	"	4	0.85	17.0	5.8
1-2 S	"	5	0.211	12.5	3.4
2-3 S	"	6	0.0825	10.5	2.5
2-3 N	5-6 N	2	5.31	13.0	9.4
1-2 N	"	3	2.87	15.0	11.0
0-1 N	"	4	1.1	14.5	8.7
0-1 S	"	5	0.475	17.0	5.6

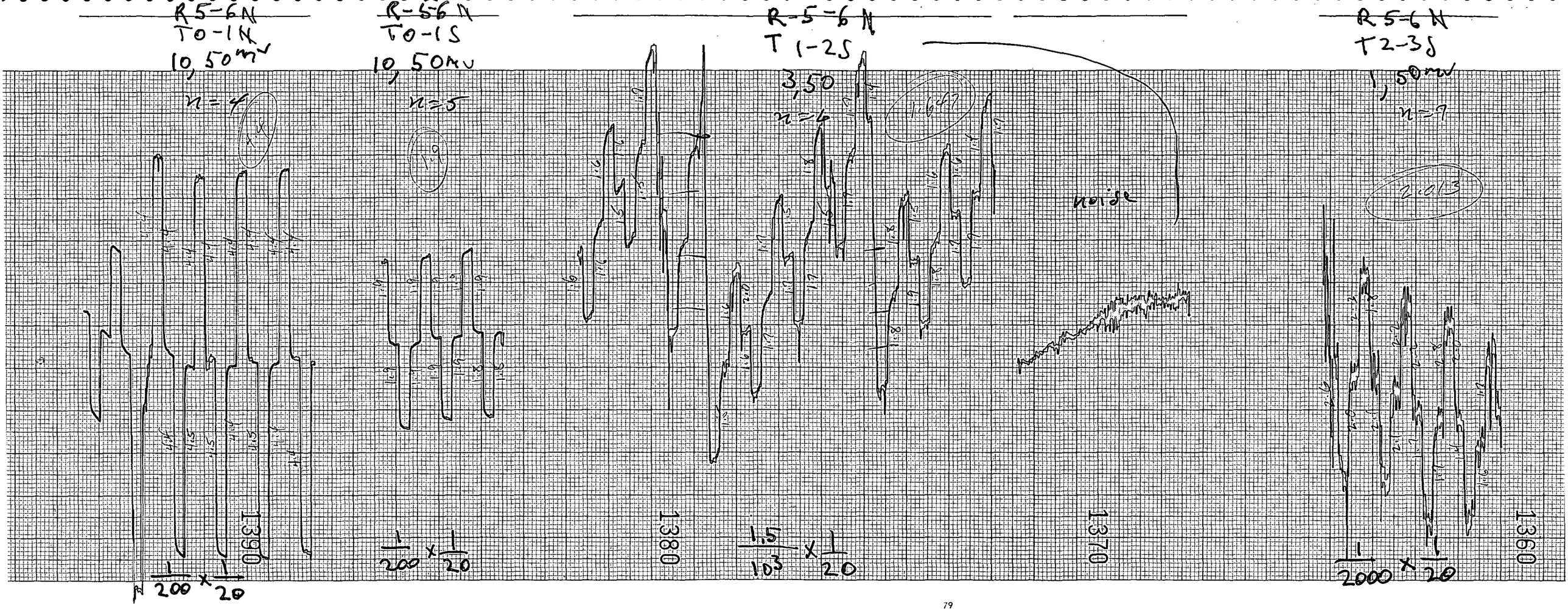
Tx	Rc	h	V	I	Pa
1-2S	5-6N	6	0.1235	12.5	3.2
2-3S	"	7	0.05032	10.5	2.3
2-3N	6-7N	3	2.58	13.0	11.4
1-2N	"	4	1.2	15.0	9.2
0-1N	"	5	0.625	14.5	8.7
0-1S	"	6	0.28125	17.5	5.2
1-2S	"	7	0.0809	13.0	3.0
2-3S	0-1S	1	15.2	11.0	7.9
1-2S	3-4S	1	19.0	14.0	7.8
0-1S	"	2	3.72	17.5	4.9
0-1N	"	3	0.864	15.0	3.3
1-2N	"	4	0.405	15.5	3.0
2-3N	"	5	0.16125	13.0	2.5
2-3S	4-5S	1	18.2	11.0	9.5
1-2S	"	2	2.93	14.5	4.6
0-1S	"	3	1.18	18.0	3.8
0-1N	"	4	0.31785	15.0	2.4
1-2N	"	5	0.1795	15.5	2.3
2-3N	"	6	0.1111	13.0	2.8
2-3S	5-6S	2	2.83	11.0	5.9
1-2S	"	3	1.23 0.942	14.5	3.7
0-1S	"	4	0.5193	18.0	3.3
0-1N	"	5	0.22	15.0	2.9
1-2N	"	6	0.139	15.5	2.9
2-3N	"	7	0.0914	13.5	3.3

Colado

Tx	Rc	n	V	I	Pa
2-3S	6-7S	3	1.83	11.5	9.1
1-2S	"	4	0.66	14.5	5.2
0-1S	"	5	0.391	18.0	4.4
0-1N	"	6	0.191	15.0	4.1
1-2N	"	7	0.12525	15.5	3.9
2-3S	7-8S	4	0.5818	11.5	5.8
1-2S	"	5	0.3281	14.5	4.6
0-1S	"	6	0.2157	18.0	3.9
0-1N	"	7	0.1029	15.0	3.3

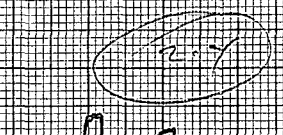


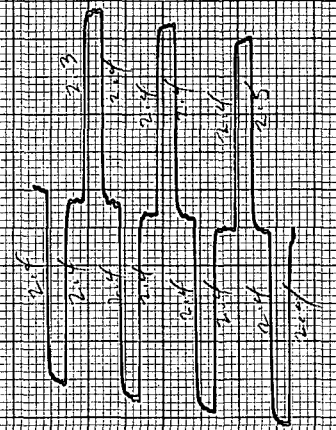




R-6-7N
T1-2N
10.1

n=4





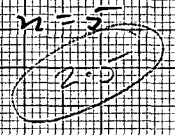
1/200 X 1/10

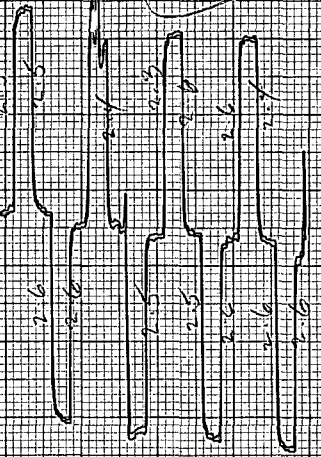
1340

R-6-7N
T0-1N

10,500 mV

n=3



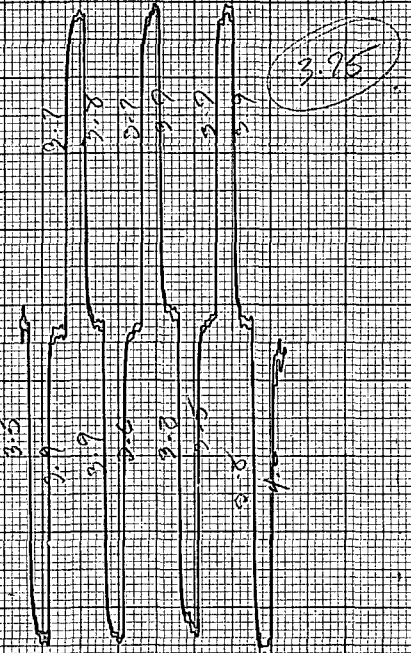


1/200 X 1/20

R-6-7N
T0-1S

3,500 mV

n=6

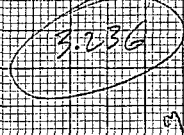


1330 1.5/10³ X 1/20

R6-7N
T1-2S

1,150

n=7



1/2000 X 1/20

1320

R 3-4S
T2-3N

3,50mV

n=5

2.15

R 4-5S
T0 1N

3,1

n=4

2.19

R-4-5S
T1-2N

3,50mV

n=5

2.393

R-4-5S
T2-3 N

3,50mV

n=6

1.96

Scale: $\frac{1.5}{10^3} \times \frac{1}{20}$

$\frac{1.5}{10^3} \times \frac{1}{10}$

1950

$\frac{1.5}{10^3} \times \frac{1}{20}$

$\frac{1.5}{10^3} \times \frac{1}{20}$

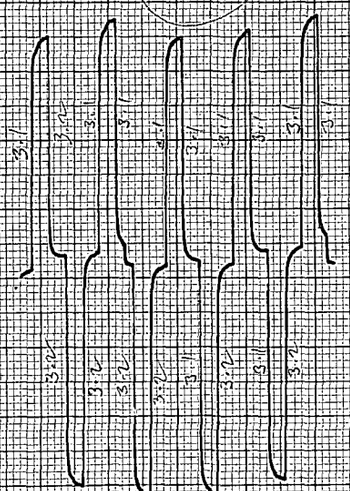
1640

Line # C

(1)

R 5-65
T ~~0-1~~ S
1-2

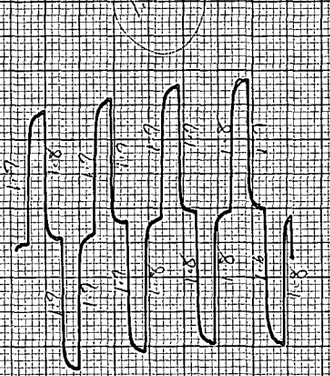
3.2 n=3



$\frac{1.5}{10^3} \times \frac{1}{5}$ 16330

R 5-65
T 0-1 S

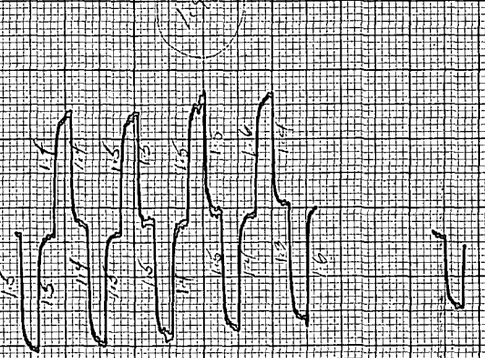
3.2 n=4



$\frac{1.5}{10^3} \times \frac{1}{5}$

R-5-65
T 0-1 N

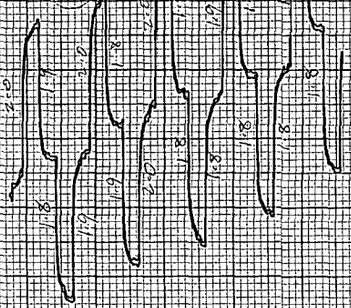
3.1 n=5



$\frac{1.5}{10^3} \times \frac{1}{10}$

R 5-65
T 1-2 N

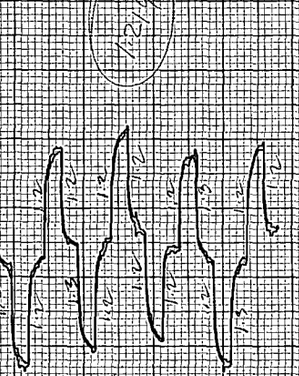
3.50mV n=6



$\frac{1.5}{10^3} \times \frac{1}{20}$ 16310

R-5-65
T 2-3 N

3.50mV n=7



$\frac{1.5}{10^3} \times \frac{1}{20}$ 16300

R 6-7S
T 1-2S

3,.2 n=4

2.22

1.5/10² × 1/5

1580

R 6-7S
T 0-1S

3,.1 n=5

2.606

1.5/10² × 1/10

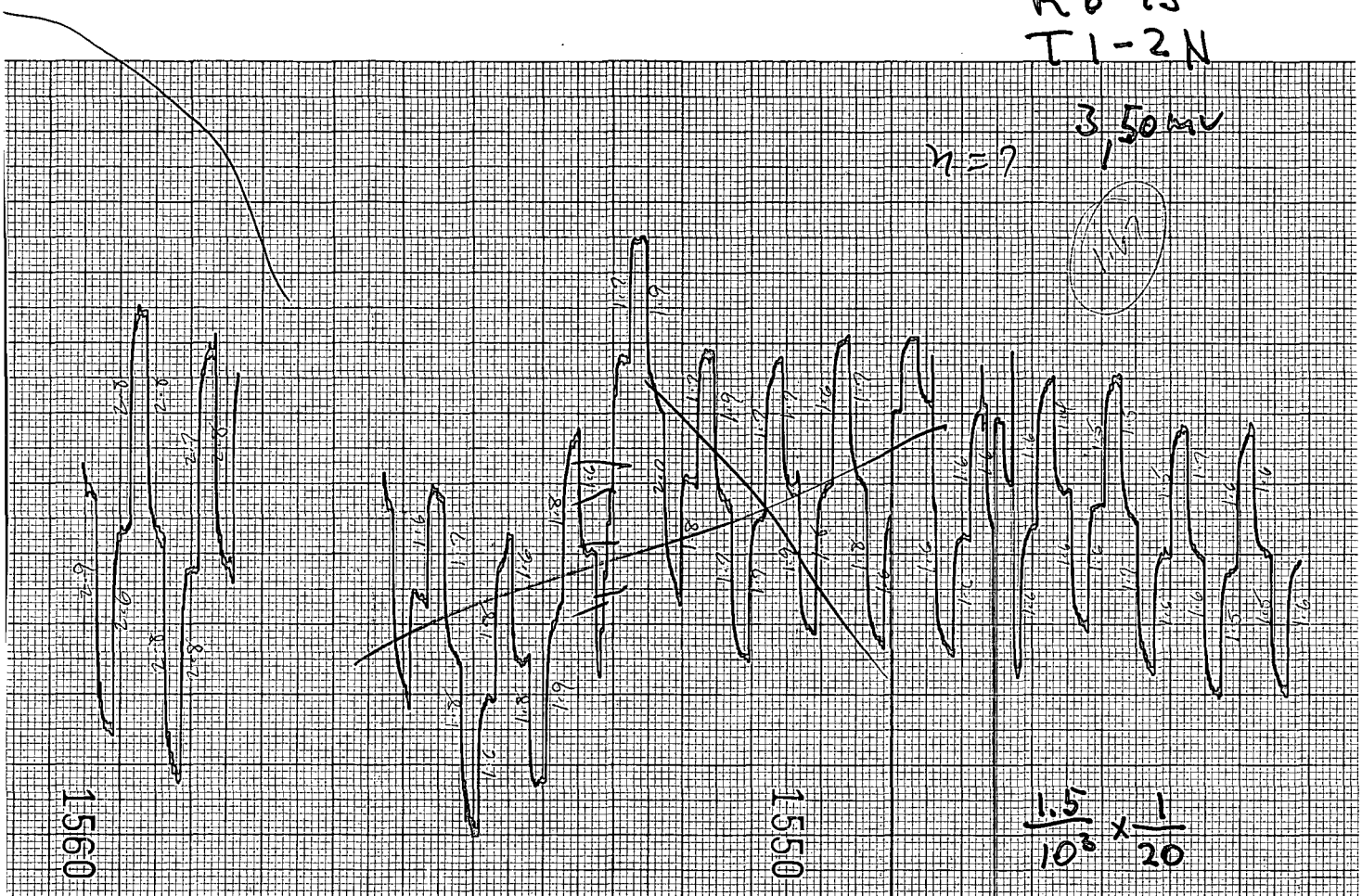
1570

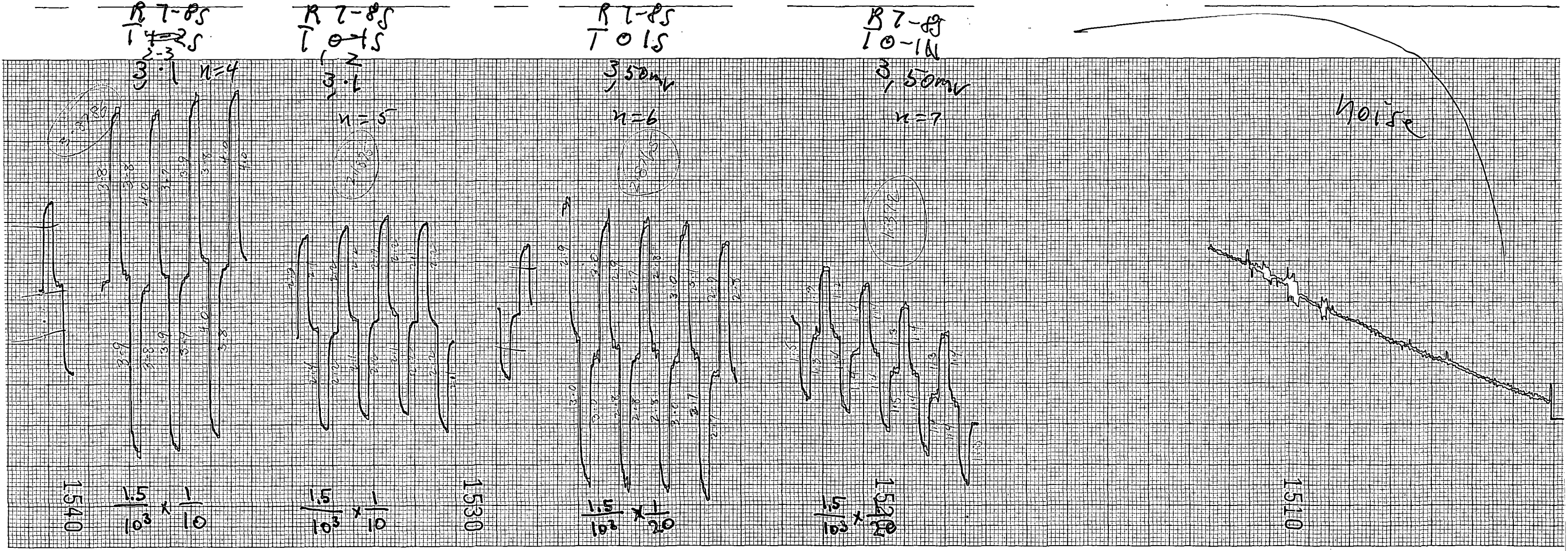
R 6-7S
T 1-0N

3,50mV n=6

2.56

1.5/10³ × 1/20


R 6-7S
T 1-2 N
3,150 mV
n = 7
1560
1550
1.5/10³ × 1/20



Scintrex Mineral Surveys, Inc. (1)

Twp. Colonia	Prop. Line C	Date 4/15/80
Oper. T. Wilhite	Asst. C. McClain	Method Dipole-Dipole A = 1000

TX Station	Rec.	Compr			n = 1
2-15 1	0-1N	13	650 x .71		
3-25 2		11	650 x 1.20		
15-0 1	1-2N	17.5	400 x 1.20		
25-1 2	|	14.5	650 x .87		
3-25 3	↓	11	650 x 1.20		
0-1N 1	2-3N	14.5	400 x 1.20		
0-15 2		17.5	400 x 1.20		
1-25 3		14.5	650 x .87		
2-35 4		11	650 x 1.20		
3-25	0-15	11	650 x 1.20		

Scintrex Mineral Surveys, Inc. (2)

Twp.		Prop. Line C		Date	
Oper.		Asst.		Method	
Tx Station	Rec.	amps			n =
1-2S	3-4S	14	650X.87		1
0-1S		17.5	400X1.20		2
0-1N		15	400X1.20		3
1-2N		15.5	650X.71		4
2-3N		13	650X.71		5
2-3S	4-5S	11	650X1.20		1
1-2S		14.5	650X.87		2
0-1S		18	400X1.20		3
0-1N		15	400X1.20		4
1-2N		15.5	650X.71		5
2-3N		13	650X.71		6
2-3S	5-6S	11	650X1.20		2
1-2S		14.5	650X.87		3
0-1S		18	400X1.20		4
0-1N		15	400X1.20		5
1-2N		15.5	650X.71		6
2-3N		13.5	650X.71		7
1					1

Scintrex Mineral Surveys, Inc.

Twp.	Prop. line C	Date
Oper.	Asst.	Method

Station	Rec.	amp			
2-3S	6-7S	11.5	650x 1.20		3
1-2S		14.5	650x .87		4
0-1S		18	400x 1.20		5
0-1N		15	400x1.20		6
1-2N		15.5	650x.71		7
2-3S	7-8S	11.5	650x1.20		4
1-2S		14.5	650x.87		5
0-1S		18.	400x 1.20		6
0-1N		15	400x1.20		7

Scintrex Mineral Surveys, Inc.

(4)

Twp. Clarke	Prop. Line C	Date 4/16/80
Oper. T. White	Asst. E. McRae	Method Dipole-Dipole A=1000

TY Station	Rec	Comp			N=
1-2N	3-4N	15	650X.71		1
0-1N	|	14.5	400X1.20		2
0-1S	|	17.	400X1.20		3
1-2S	|	12	650X.71		4
2-3S	↓	10.5	650X1.20		5
2-3N	4-5N	13	650X.71		1
1-2N	|	15	650X.71		2
0-1N	|	14.5	400X1.20		3
0-1S	|	17	400X1.20		4
1-2S	|	12.5	650X.71		5
2-3S	↓	10.5	650X1.20		6
2-3N	5-6N	13	650X.71		2
1-2N	|	15	650X.71		3
0-1N	|	14.5	400X1.20		4
0-1S	|	17	400X1.20		5
1-2S	|	12.5	650X.71		6
2-3S	↓	10.5	650X1.20		7

Scintrex Mineral Surveys, Inc.

(5)

Twp. Colodo	Prop. Line C	Date 4/16/90
Oper. T White	Asst. C. McCrea	Method dipole - dipole A = 1900

Tx Station	Rec	amps			n = 1
2-3 N	6-7 N	13	650 x .71		3
1-2 N		15	650 x .71		4
0-1 N		14.5	400 x 1.20		5
0-1 S		17.5	400 x 1.20		6
1-2 S		13	650 x .71		7

Scintrex Mineral Surveys, Inc.

Twp.		Prop.			Date 15
Oper. Line C		Asst.		Method	
Station	R				
(13) 2 - 1S[1]	0 - 1N	10x1.42	±.00		14.2 / 6.17
(11) 3 - 2S[2]		1x2.39	±.02		2.39 / 4.71
		10			
(7.5) 1S - 0[1]	1 - 2N	10x~~2.86~~	N1.98 ±.02		198 / 6.39
(4.5) 2S - 1S[2]		1x2.82	±.04		2.82 / 4.40
(11) 3S - 2S[3]		3x2.27	±.05		.68 / 3.49
(4.5) 0 - 1N[1]	2 - 3N	10x2.12	±.02		21.2 / 8.26
(7.5) 1S - 0[2]		3x1.82	± .02		5.46 / 7.05
(4.5) 2S - 1S[3]		1x1.17	± .04		1.17 / 4.56
(11) 3S - 2S[4]		.3x1.31	± .05		.39 / 4.01
(11) 3S - 2S[1]	0 - 1S	10x1.52	± .01		15.2 / 7.81
3N - 2N	0 - 1N ✓				

Scintrex Mineral Surveys, Inc.

Twp.		Prop.		Date 15	
Oper. Line #C		Asst.		Method	

Station	R				
(14) 1 - 2S[1]	3-4S	10X1.90	±.01		19 / 7.67
(7.5) 0 - 1S[2]		3X1.24	±.02		3.62 / 4.68
(15) 1N - 0[3]		.3X2.88	±.03		.86 / 3.24
(5.5) 2 - 1N[4]		.3X1.35	±.05		.041 / 2.99
(13) 3 - 2N[5]	$\frac{4.2}{2} \times \frac{1.5}{10^3 \times 20}$	q 1.33	.21mv		.21 / 3.20
(11) 2 - 3S[1]	4-5S	10X1.82	±.00		18.2 / 9.35
(14.5) 1 - 2S[2]		1X2.93	±.02		2.93 / 4.57
(18) 0 - 1S[3]		1X1.18	±.02		1.18 / 3.71
(15) 1N - 0[4]	$\frac{4.2}{2} \times \frac{1.5}{10^4}$	q 1.33	.42mv		3.17
(5.5) 2N - 1N[5]	$\frac{5}{2} \times \frac{1.5}{10^3 \times 20}$	q 1.33	.25		3.19
(13) 3 - 2N[6]	$\frac{3.2}{2} \times \frac{1.5}{10^3 \times 20}$	q 1.33	.16		3.90
(11) 2 - 3S[2]	5-6S	1X2.83	±.00		2.83 / 5.82
(4.5) 1 - 2S[3]	$\frac{6}{2} \times \frac{1.5}{10^3 \times 5}$	1X1.23	±.04 q		1.23 / 4.79
(18) 0 - 1S[4]	$\frac{3.5}{2} \times \frac{1.5}{10^3 \times 5}$	X1.33	q .70mv		4.40
(15) 1 - 0N[5]	$\frac{3}{2} \times \frac{1.5}{10^4}$	X1.33	q .30		3.96
(5.5) 2 - 1N[6]	$\frac{4}{2} \times \frac{1.5}{10^3 \times 20}$	1.33	q .20		4.08
(13.9) 3 - 2N[7]	$\frac{2.5}{2} \times \frac{1.5}{10^3 \times 20}$	1.33	q .12		4.22

Scintrex Mineral Surveys, Inc.

Twp.		Prop.			Date 15
Oper. Linear C		Asst.		Method	
Station	B				
1.5 2 - 3 S 3	6-7 S	1X1.83	I .02		1.83/8.99
4.5 1 -2 S 4	$\frac{4.2}{2} \times \frac{1.5}{10^3 \times 5}$	q	.84mV		6.39
3 0 -1 S 5	$\frac{5.2}{2} \times \frac{1.5}{10^4}$	q	.52		5.71
1.5 1 - 0 N 6	$\frac{5}{2} \times \frac{1.5}{10^3 \times 20}$	q	.25		5.28
1.5 2 -1 ° 7	$\frac{3}{2} \times \frac{1.5}{10^3 \times 20}$	q	.15mV		4.59
1.5 2 - 3 S 4	7-8 S	q $\frac{8}{2} \times \frac{1.5}{10^4}$	.80mV		7.86
4.5 1 -2 ° S 5		q $\frac{4.5}{2} \times \frac{45}{10^4}$	.45		6.14
1.8 0 -1 ° S 6		q $\frac{5}{2} \times \frac{1.5}{10^3 \times 20}$	.19		3.34
3 1N -0 ° 7		q $\frac{2.4}{2} \times \frac{1.5}{10^3 \times 20}$	.12		3.80

Scintrex Mineral Surveys, Inc.

Twp.		Prop.		Date	6
Oper. Line #6		Asst.		Method	

Station	R				
~~2-7 N~~ 1	3-4 N				
(15) 1 - 2 N (2)		10 X 1.59	± .00		15.9 / 5.99
(4.5) 0 - 1 N (3)		3 X 1.74	± .02		5.22 / 8.14
(17) 1S - 0 (3)		1 X 2.04	± .04 g		2.04 / 6.78
(12) 2S - 1S (4)	$\frac{4.8}{2} \times \frac{1.5}{10^4}$	.48 mv	g		4.8 / 4.52
(10.5) 3S - 2S (5)	$\frac{3}{2} \times \frac{1.5}{10^3 \times 20}$	.15 mv	g		1.5 / 2.83
(13) 2 - 3 N 1	4-5 N	10 X 1.44	± .00		14.4 / 6.26
(15) 1 - 2 N 2		3 X 1.92	± .02		5.76 / 8.68
(4.5) 0 - 1 N 3		1 X 2.65	± .05 g		2.65 / 10.33
(17) 1S - 0 4	$\frac{3}{2} \times \frac{1}{2000}$	1. mv	g		1. / 6.65
(12.5) 2 - 1S 5	$\frac{2.6}{2} \times \frac{1.5}{10^4}$	.26	g		.26 / 4.11
(10.5) 3 - 2S 6	$\frac{3}{2} \times \frac{1.5}{10^3 \times 20}$	.09 mv	g		.09 / 2.71
(13) 2 - 3 N 2	5-6 N	3 X 1.77	± .03		5.31 / 9.23
(15) 1 - 2 N 3		1 X 2.87	± .05		2.87 / 10.81
(4.5) 0 - 1 N 4	$\frac{9}{2} \times \frac{1}{4000}$	g 1.53 mv			1.53 / 11.93
(17) 1S - 0 5	$\frac{3.5}{2} \times \frac{1}{4000}$	g .58			.58 / 6.75
(12.5) 2S - 1S 6	$\frac{3}{2} \times \frac{1.5}{10^3 \times 20}$	g .15			.15 / 3.80
(10.5) 3S - 2S 7	$\frac{3.5}{2} \times \frac{1}{40000}$	g .06			.06 / 2.71

Scintrex Mineral Surveys, Inc.

5

Twp.		Prop.			Date 16
Oper. Line AC		Asst.		Method	

Station	R				
(13) 2 - 3 N 3	6 - 7 N	1 x 2.58	± .05		2.58 / 11.22
(15) 1 - 2 N 4	$\frac{4.5}{2} \times \frac{1}{2,000}$	1.49mV	g		1.49 / 11.23
(14.5) 0 - 1 N 5	$\frac{5}{2} \times \frac{1}{4000}$	.83	g		.83 / 11.32
(13.5) 1 - 0 6	$\frac{3.2}{2} \times \frac{1.5}{2.0 \times 10^3}$	.36	g		.36 / 8.51
(13) 2 - 1 S 7	$\frac{6}{2} \times \frac{1}{40,000}$	.09	g		.09 / 3.29

Line B

Colado

Tx	Rc	n	V	I	Pa
1-2W	3-4E	4	0.538	11.5	10.8
2-3W	"	5	0.3 ?	11.0	11.0 ?
2-3E	4-5E	1	121.0	7.6	182.8
1-2E	"	2	22.17	7.0	145.7
0-1E	"	3	10.24	10.0	117.7
2-3E	5-6E	2	32.5	8.1	184.6
1-2E	"	3	7.83	7.8	115.3
0-1E	"	4	4.09	11.5	81.8

Line B

Colado

Tx	Rc	n	V	I	Pa
0-1W	5-6E	5	1.148	16.0	28.9
2-3E	6-7E	3	9.729 ? 8.199	8.2 8.4	136.3 ? 112.2
1-2E	"	4	3.1845	7.5	97.7
0-1E	"	5	2.046	11.5	71.6
0-1W	"	6	0.579	16.0	23.3
2-3E	7-8E	4	4.0125	8.3	111.2
1-2E	"	5	1.2888	7.7	67.3
0-1E	"	6	0.9227	11.5	51.7
2-3W	0-1W	1	10.06	10.5	5.5
"	0-1E	2	11.0	10.5	24.1
1-2W	"	1	1.037	11.5	1.0
0-1W	1-2E	1	39.6	16.0	28.4
1-2W	"	2	1.41	11.5	5.6
2-3W	"	3	0.31	10.5	3.4
0-1E	2-3E	1	164.0	11.0	171.2
0-1W	"	2	15.5	16.0	44.6
1-2W	"	3	1.327	11.5	13.3
2-3W	"	4	0.63	10.5	13.8
1-2W	3-4W	1	4.48	11.5	4.5
0-1W	"	2	2.027	16.0	5.8
2-3W	4-5W	1	7.41	10.5	8.5
1-2E	3-4E	1	100.003	7.0	164.0
0-1E	"	2	30.5	9.9	141.7
0-1W	"	3	6.34	15.0	48.6

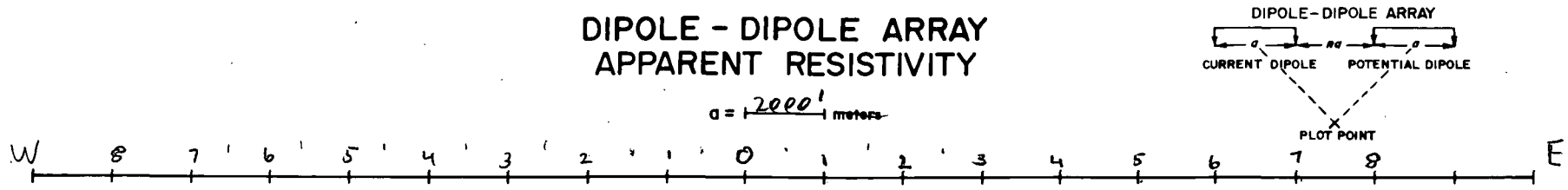
Line B
2000' dipoles

Colado AREA, NEVADA ... Pa Survey

Tx	Rc	n	V	I	Pa
0-1E	3-4W	3	0.285	10.5	3.1
1-2E	"	4	0.152	7.8	4.5
2-3E	"	5	0.248	8.0	12.5
1-2W	4-5W	2	0.6575	11.5	2.6
0-1W	"	3	0.4895	16.0	3.5
0-1E	"	4	0.1569	11.0	3.3
1-2E	"	5	0.09624	7.9	4.9
2-3E	"	6	0.1612	8.1	12.8
2-3W	5-6W	2	1.191	10.5	5.2
1-2W	"	3	0.26	12.0	2.5
0-1W	"	4	0.2256	16.0	3.2
0-1E	"	5	0.0969	11.0	3.5
1-2E	"	6	0.0859	8.0	6.9
2-3W	6-7W	3	0.3281	11.0	3.4
1-2W	"	4	0.1512 ?	12.0	2.9 ?
0-1W	"	5	0.1345 ?	16.0	3.4 ?
0-1E	"	6	0.0826 ?	11.0	4.8 ?
2-3W	7-8W	4	0.1135	11.0	2.4
1-2W	"	5	0.0536 ?	12.0	1.8 ?
0-1W	"	6	0.0606 ?	16.0	2.4 ?
0-1W	4-5E	4	1.793	16.0	25.8
1-2W	"	5	0.25 ?	11.5	8.7 ?
2-3W	"	6	0.15 ?	10.0	9.7 ?

EARTH SCIENCE LABORATORY
UNIVERSITY of UTAH RESEARCH INSTITUTE

DIPOLE - DIPOLE ARRAY
APPARENT RESISTIVITY



a = 2000' meters

W 8 7 6 5 4 3 2 1 0 1 2 3 4 5 6 7 8 E

						2.66	4.42	10.87	10.81	27.77	168.53	538.	593				
					7.11	3.38	5.74	4.48	5.54	43.80	454	475	605				
				4.83	2.64	4.73	3.12	3.34	13.67	157	384	380	458				
			2.67	1.32	3.67	2.67	4.35	13.56	35	56	267	400	479				
ρ_a (Ω m)			.99	.74	1.80	4.01	7.42	35	37	68	285	272					
			1.58	.58	3.17	7.03		33	3	131	212						

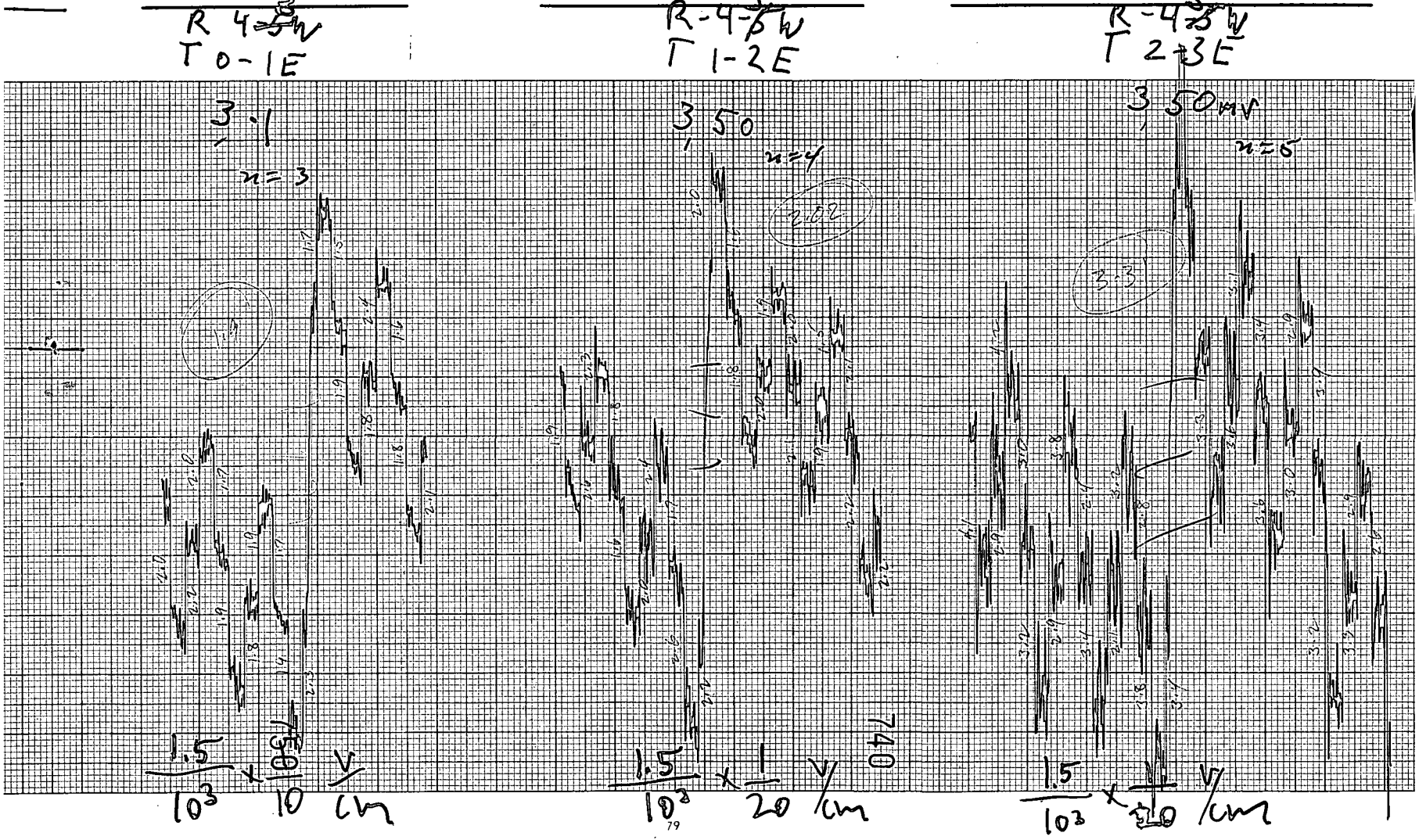
4.5 / 1/20

2.7.5

1.125

ohm-feet

AREA Colorado STATE _____ LINE B DATA BY _____ DATE _____ TRANSMITTER _____ RECEIVER _____

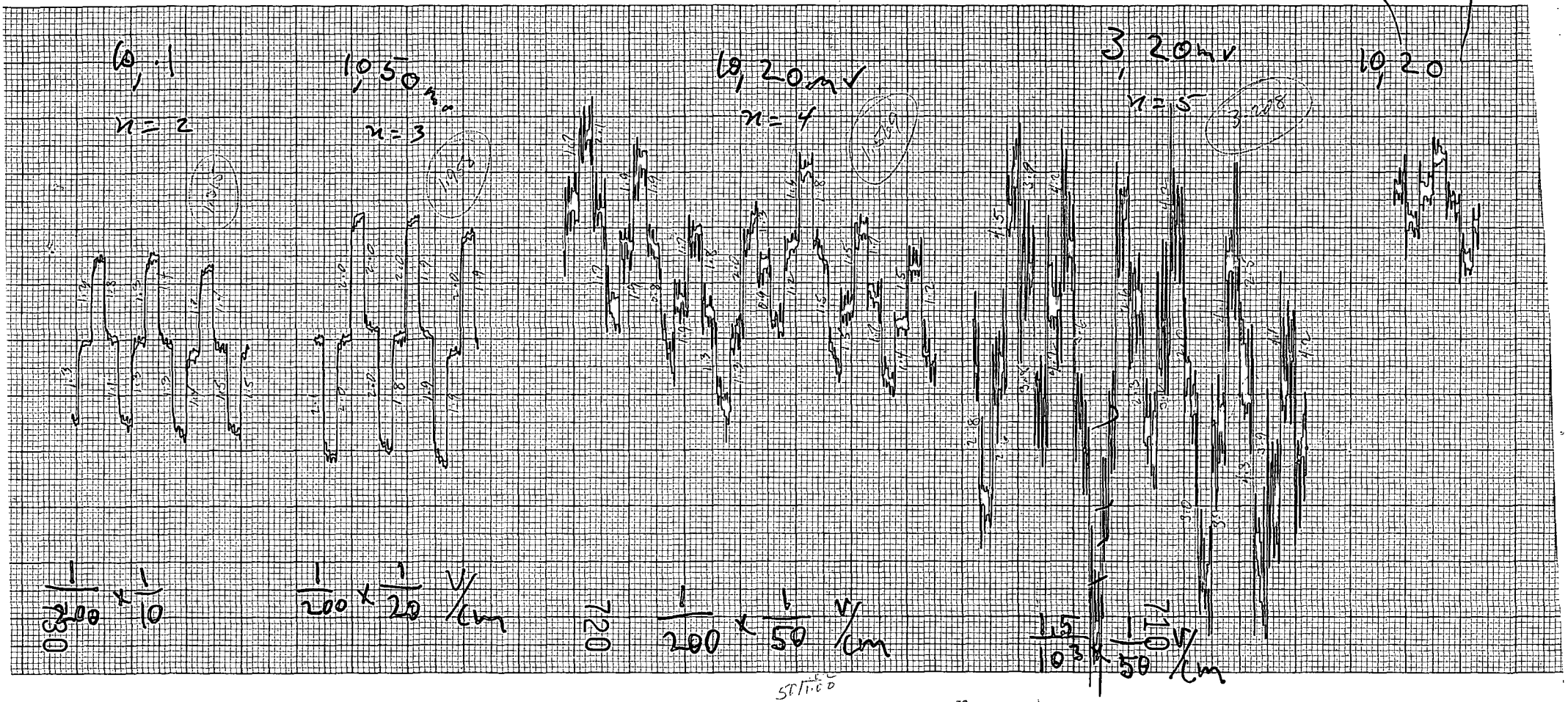

R 4-3W
T 0-1E
3.1
n=3
1.5 / 10^3 x 50 / 10 V/cm
R-4-3W
T 1-2E
3.50
n=4
2.02
1.5 / 10^3 x 1 / 20 V/cm
740
R-4-3W
T 2-3E
3.50mV
n=5
3.33
1.5 / 10^3 x 1 / 10 V/cm

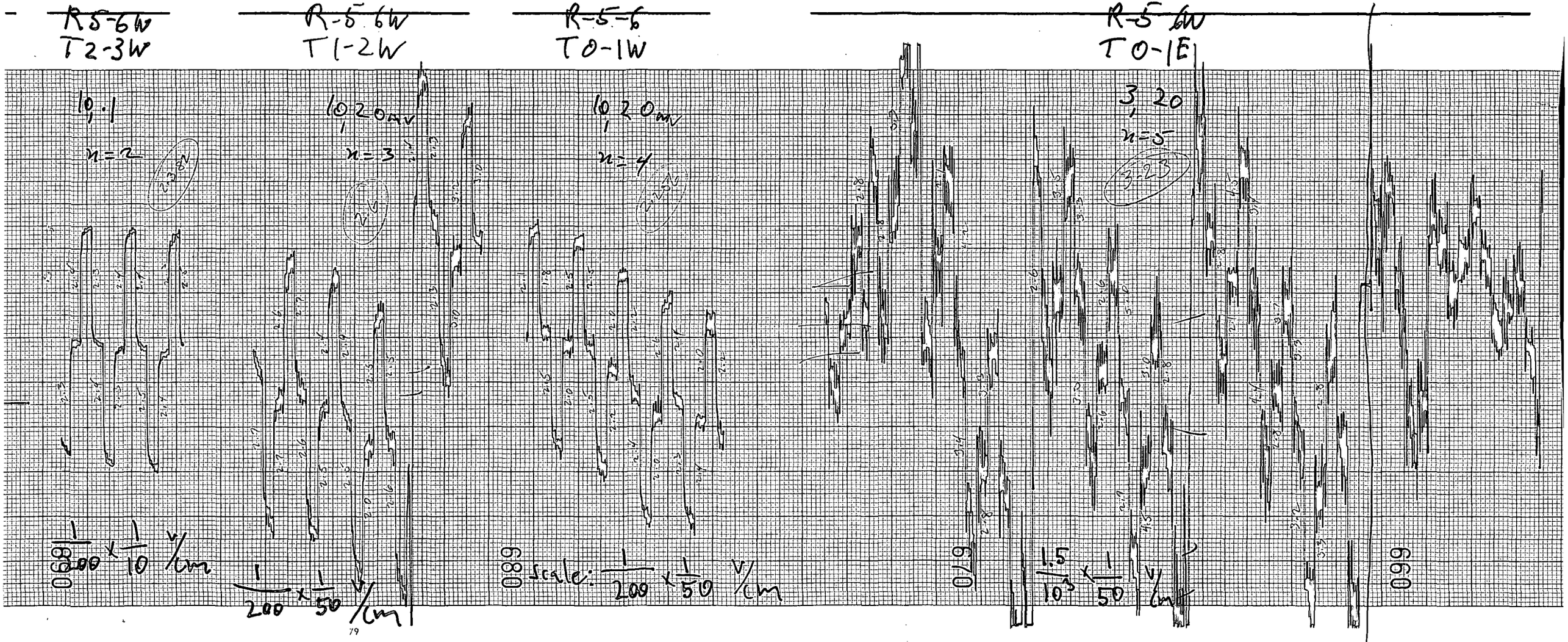
R 5-4W
T 1-2W

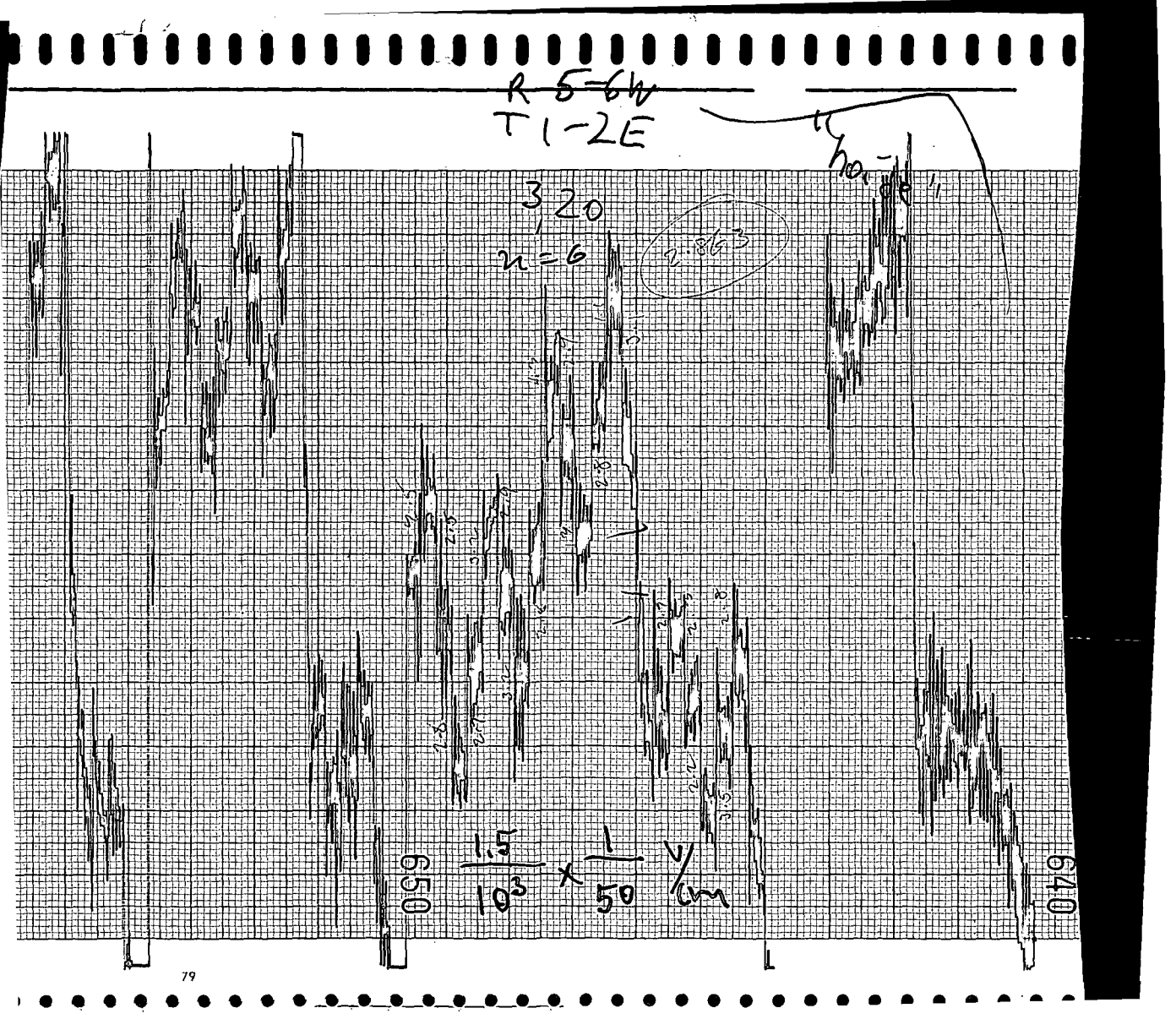
R-4-5W
T 1-0W

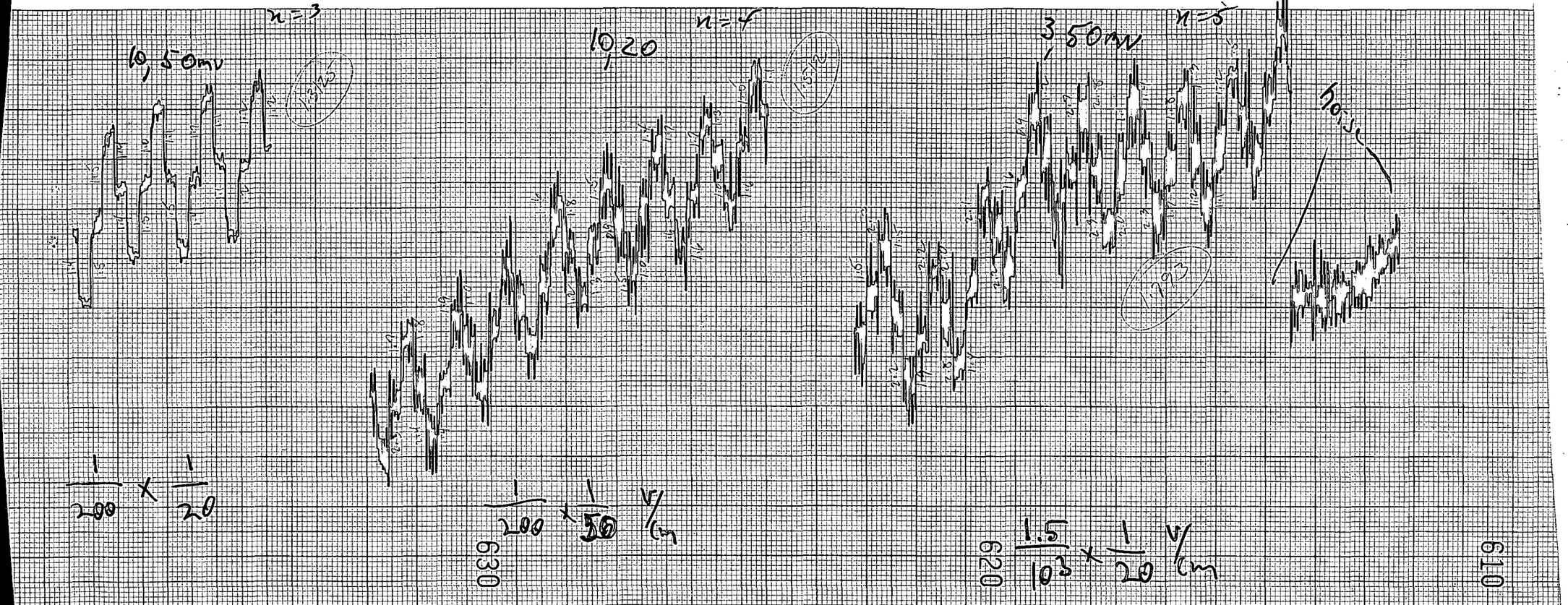
R-4-5W
T 0-1E

R-4-5W
T 1-2E




R5-6W
T2-3W
R-5 6W
T1-2W
R-5-6
T0-1W
R-5 6W
T0-1E
10.1
n=2
10.20mV
n=3
10.20mV
n=4
3.20
n=5
1/200 x 1/10 V/cm
1/200 x 1/50 V/cm
Scale: 1/200 x 1/50 V/cm
1.5/10^3 x 1/50 V/cm
0.0
0.8
0.6
0.9
79


R 5-6W
T1-2E
320
n=6
2.863
650
6410
$\frac{1.5}{10^3} \times \frac{1}{50}$ V/cm



Line B
(1)

R-7-8W
T 2-3W

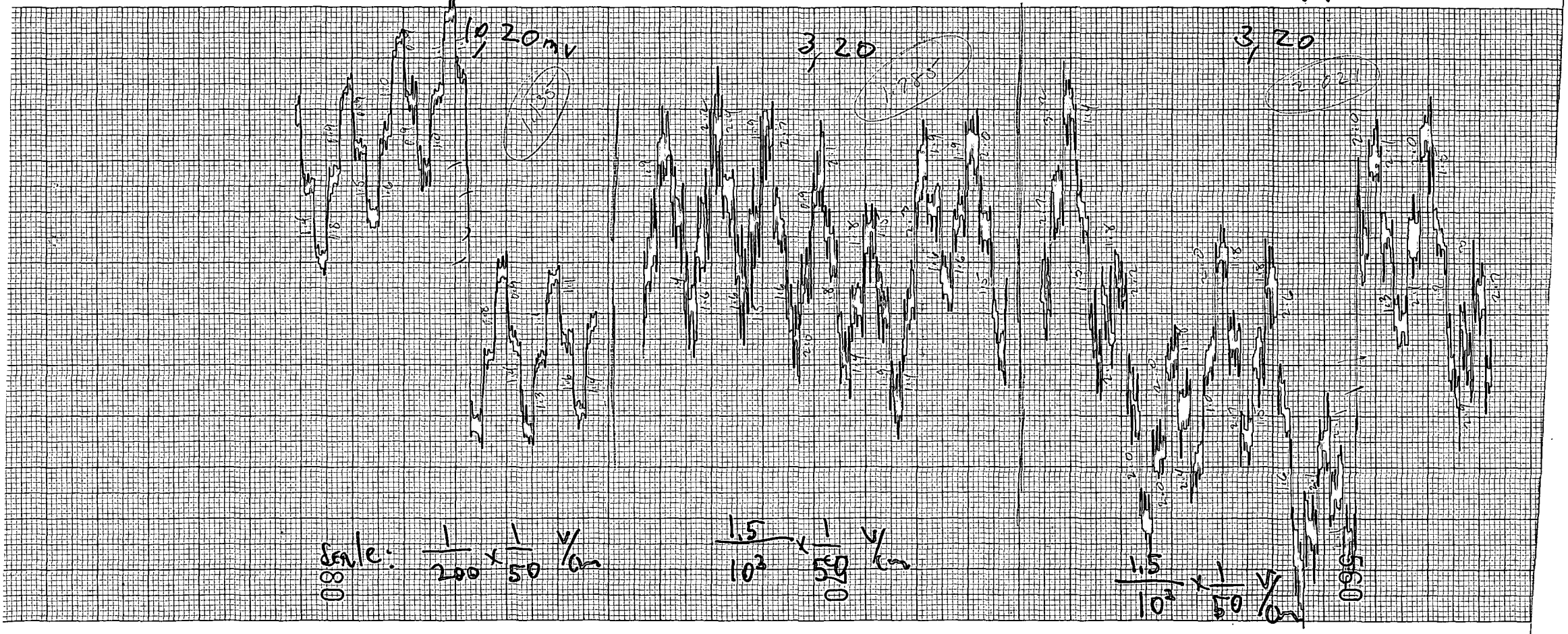
10,20mV

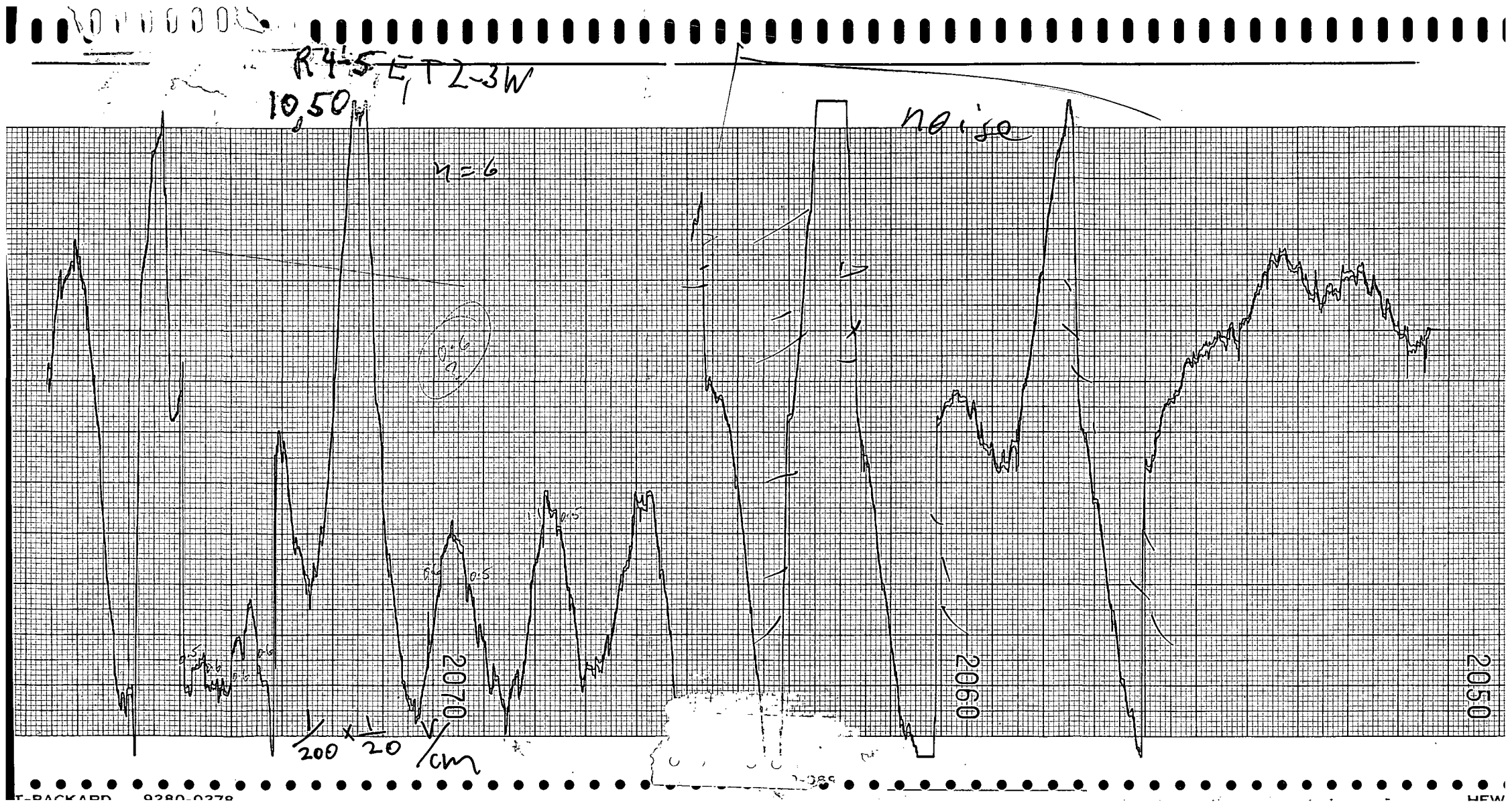
R-7-8W
T 1-2W

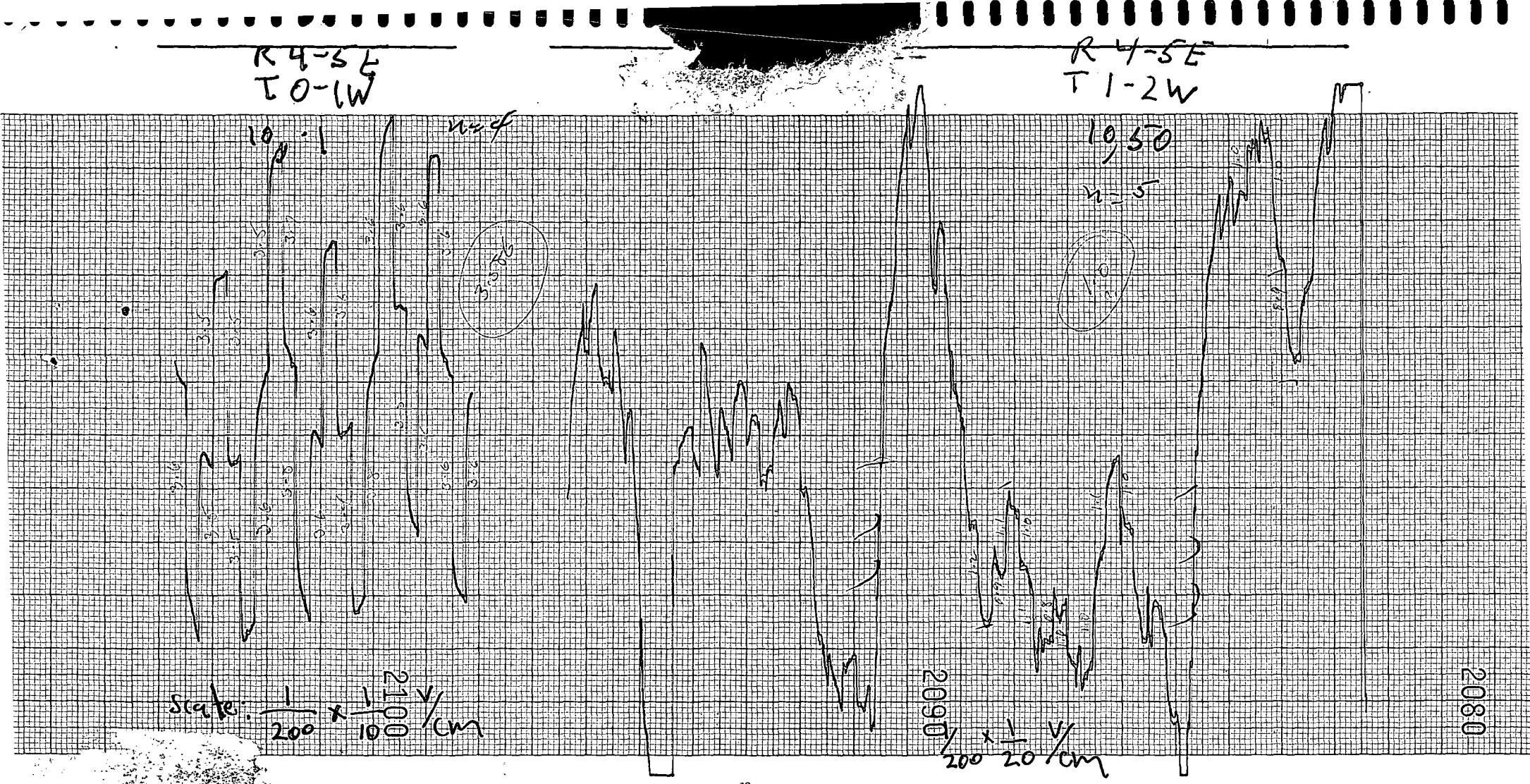
3,20

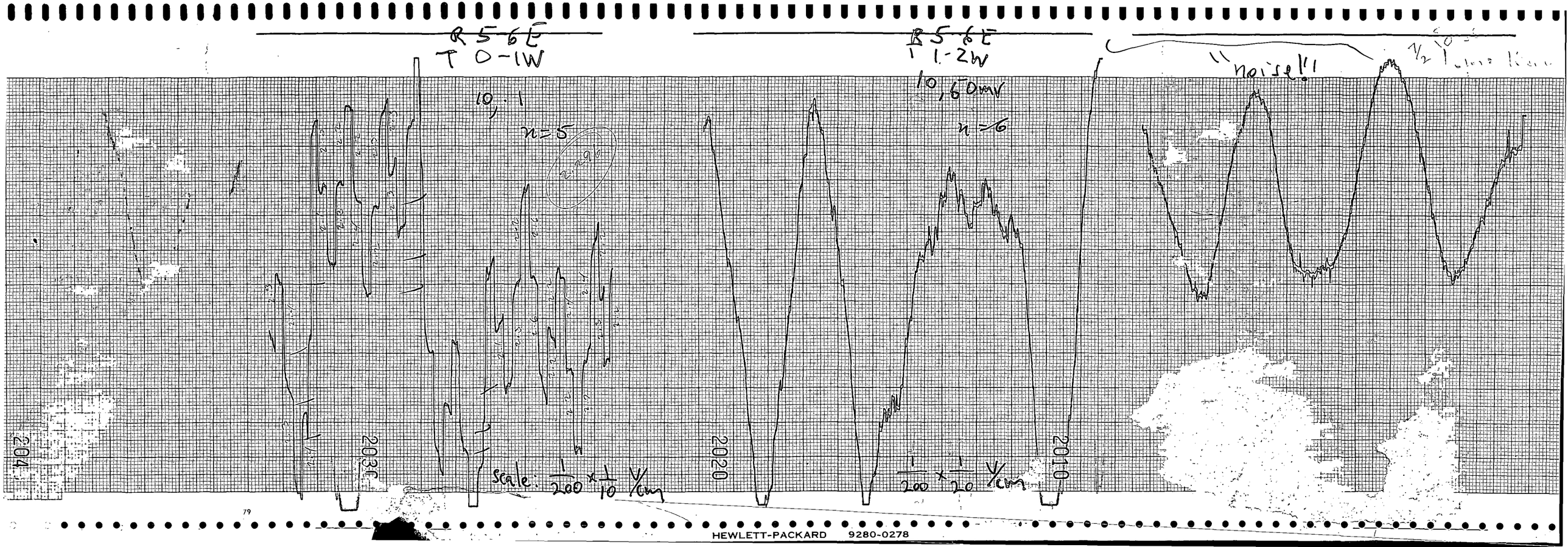
R-7-8W
T0-1W

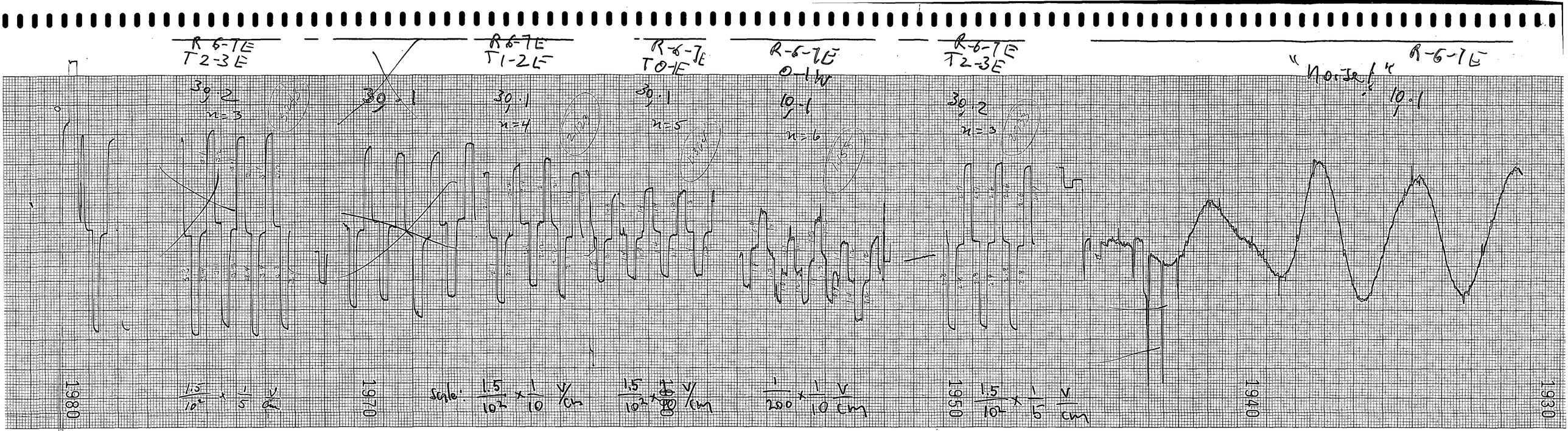
3,20

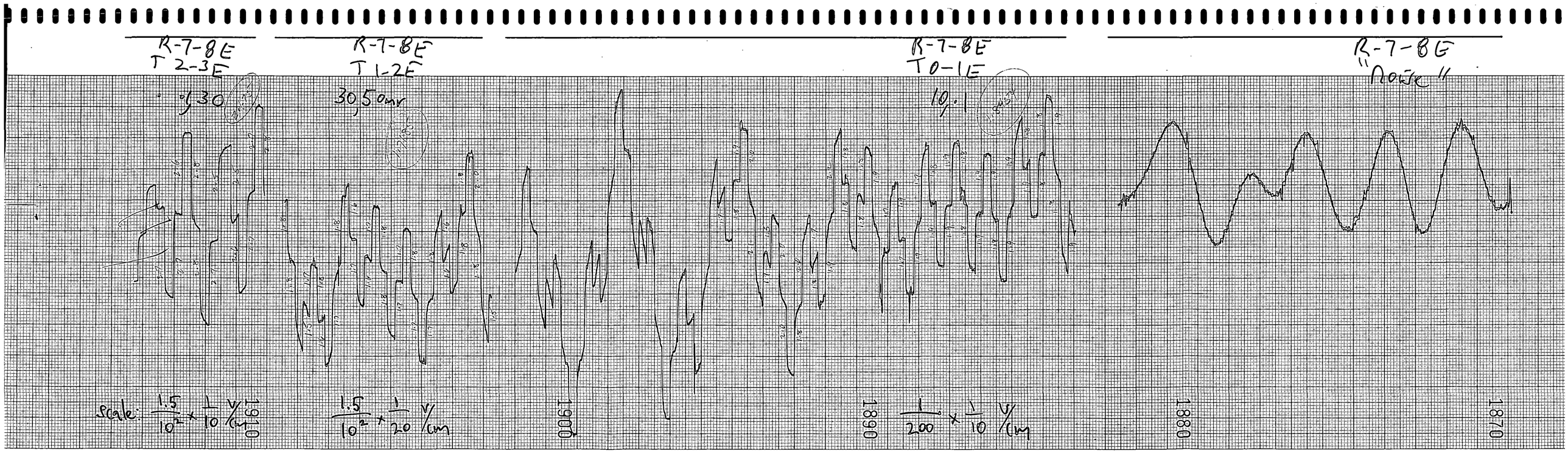



R4-5 E, T2-3W
10,50
n=6
noise
2070
2060
2050
1/200 x 1/20 V/cm


R4-5E
T0-1W
10.1
R4-5E
T1-2W
10.50
Scale: 1/200 x 1/100 V/cm
1/200 x 1/20 V/cm
20090
20080




R 6-7E
T2-3E
30-2
n=3
30-1
R6-7E
T1-2E
30-1
n=4
R-6-7E
T0-1E
30-1
n=5
R-6-7E
0-1W
10-1
n=6
R-6-7E
T2-3E
30-2
n=3
"Noise"
R-6-7E
10-1
1980
1970
1950
1940
1930
Scale: 1.5/10² × 1/10 V/cm
1.5/10² × 1/80 V/cm
1/200 × 1/10 V/cm
1.5/10² × 1/5 V/cm



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2000' Dipoles

Scintrex Mineral Surveys, Inc.

Twp.		Prop.		Date 20	
Oper. Line #B		Asst.		Method	
Station	R				
10.5 3-2 W'	0-1 W	10 X 1.00	X 1.02	X 1.00	10.7 / 10.87
1.9 2-1 W'	0-1 E	10 X 1.11	X 1.10	X 1.09	11 / 10.91
10.5 3-2 W'		1 X 1.04	X 1.03	X 1.04	1.04 / 4.48
16 W-0'	1E-2E	30 X 1.32	X 1.31	X 1.32	39.3 / 27.77
1.5 2-1 W'		1 X 1.42	X 1.40	X 1.41	1.41 / 5.54
10.5 3-2 W'		.3 X 1.07	X 1.08	1.00	.31 / 1.34
11 0-1E'	2E-3E	100 X 1.64	X 1.64	X 1.64	168 / 160.53
16 W-0'		10 X 1.56	X 1.54	X 1.55	15.5 / 43.80
1.5 2 W-1 W'		1 X 1.35	X 1.30	X 1.33	1.33 / 13.07
10.5 3 W-2 W'		.3 X 2.15	X 2.10	X 2.05	.63 / 13.56

Twp.		Prop.		Date 20	
Oper. Line B		Asst.		Method	
Station	R				
(11.5) 1 - 2W[1]	3W4W	3x 1.50	x1.48	x1.50	4.50 4.42
(10) 0 - 1W[2]		1x2.03	x2.02	x2.03	2.03 5.74
(10.5) 1E - 0[3]	$3/2 \times \frac{1.5}{10^4}$	g x1.33	.29 mv		.29 3.12
(7.8) 2E - 1E[4]	$3/2 \times \frac{1.5}{10^3 \times 20}$	g "	.15		.15 4.35
(8) 3E - 2E[5]	$3/2 \times \frac{1.5}{10^3 \times 20}$	g "	.15		.15 7.42
(10.5) 2 - 3W[1]	4-5W	3x2.45	x2.47	x2.49	2.47 2.66
(11.5) 1 - 2W[2]	$2.6/2 \times \frac{1}{2000}$	~~1x1.00~~	g .86 mv		.86 3.38
(10) 0 - 1W[3]	$4/2 \times \frac{1}{4000}$	x1.33	g .67		.67 4.73
(11) 1E - 0[4]	$3/2 \times \frac{1}{10,000}$	"	g .13		.13 2.67
(11.5) 2 - 1E[5]	$4/2 \times \frac{1.5}{10^3 \times 50}$	"	g .08		.08 4.01
(8.8) 3 - 2E[6]	$3/2 \times \frac{1.5}{10^3 \times 20}$	"	g .09		.09 7.03
(10.5) 2 - 3W[2]	5-6W	1x1.65 g			1.65 7.81
(12) 1 - 2W[3]	$4/2 \times \frac{1}{10,000}$	x1.33 g	.28		.28 2.64
(10) 0 - 1W[4]	$4/2 \times \frac{1}{10,000}$	" g	.26		.26 3.67
(11) 1E - 0[5]	$2.5/2 \times \frac{1.5}{10^4 \times 50}$	" g	.05		.05 1.80
(8) 2E - 1E[6]	$3/2 \times \frac{1.5}{10^3 \times 50}$	" g	.04		.04 3.17
3E - 2E[7]					

Scintrex Mineral Surveys, Inc.

Twp.		Prop.		Date 20	
Oper. Line B		Asst.		Method	
Station					
(11) 2-3W 3	6-7W	$3.8^2/2 \times \frac{1}{4000}$	x 1.33	.47mv	.47 / 4.83
(12) 1-2W 4		$1^1/2 \times \frac{1.5}{104}$	"	.07	.07 / 1.32
(13) 0-1W 5		$9^1/2 \times \frac{1.5}{10^2 \times 20}$	"	.03 mv	.03 / .74
(14) 1E-0 6		$6^1/2 \times \frac{1.5}{10^2 \times 50}$	"	.01	.01 / .58
-1					
(11) 2-3W 4	7-8W	$9^2/2 \times \frac{1}{104}$	x 1.33	.13 mv	.13 / 2.67
(12) 1-2W 5		$1.5/2 \times \frac{1.5}{10^2 \times 50}$	"	.03	.03 / .99
(13) 0-1W 6		$9^1/2 \times \frac{1.5}{10^2 \times 50}$	"	.04	.04 / 1.58

Scintrex Mineral Surveys, Inc.

Twp.		Prop.		Date 23	
Oper. Line B		Asst.		Method	
Station	R				
1-2E[1]	3-4E	100 x 1.00	x 1.00	1.01[7]	538
0-1E[2]		30 x 1.02	x 1.00	1.03[9.9]	454
1W-0[3]		3 x 2.12	2.10	x 2.12[15]	157
2-1W[4]		.3 x 1.85	x 1.80	x 1.73[11.5]	35
3-2W[5]		.3 x 1.00 ~		[11.]	~35
2-3E[1]	4-5E	100 x 1.22	x 1.20	x 1.21[7.6]	593
1-2E[2]		10 x 2.22	x 2.21	^2.22[7.]	475
0-1E[3]		3 x 3.41	x 3.40	x 3.43[10.]	384
1W-0[4] ~		1 x 1.12	9	[15]	56
2-1W[5]		9 2/2 x 1/4000	x 1.33	.33mv[11.5]	37
3-2W		9 1/2 x 1/4000	x 1.33	.16[10.]	33
2-3E[2]	5-6E	30 x 1.09	x 1.07	x 1.09[8.1]	605
1-2E[3]		3 x 2.63	x 2.61	x 2.60[7.8]	380
0-1E[4]		3 x 1.39	1.36	x 1.34[11.5]	267
W1-0W[5]		9 5/2 x 1/4000	x 1.33	.83mv[16.]	68
2-1W[6]		9 ? x 1/4000		[11.5]	

Scintrex Mineral Surveys, Inc.

Twp.		Prop.		Date 23	
Oper. Line B		Asst.		Method	
Station	R+				
2-3E[3]	6-7Eg	$\frac{5}{2} \times \frac{1.5}{5 \times 10^2}$	X1.33	10mv 8.2	458
1-2E[4]	g	$\frac{5}{2} \times \frac{1.5}{10^3}$	"	3.99 7.5	400
0-1E[5]	g	$\frac{2.5}{2} \times \frac{1.5}{10^3}$	"	2.49 mv 11.5	285
1W 0[6]	g	$\frac{2}{2} \times \frac{1.5}{2000}$	"	1.00mv 16	131
2-3E[4]	7-8 Eg	3 X 1.78	X1.76	X1.74 8.3	479
1-2E[5]	g	$\frac{3.3}{2} \times \frac{1.5}{20 \times 10^2}$	X 1.33	1.59 7.7	272
0-1E[6]	g	$\frac{3.5}{2} \times \frac{1}{2000}$	"	1.16 11.5	212
1W-0	g				
	power line at 7 East				

2000' Dipoles

Scintrex Mineral Surveys, Inc.

(1)

Twp. Cartier	Prop. Line B	Date 4/20/80
Oper. T. White	Asst. C. McGregor	Method Dipole-Dipole a=2000

T_x Station	R_x	amps			n=
2-3W	0-1W	10.5	1000x.87		1
1-2W	0-1E	11.5	650x1.20		1
2-3W		10.5	1000x.87		2
0-1W	1-2E	16	650x.87		1
1-2W		11.5	650x1.20		2
2-3W		10.5	1000x.87		3
0-1E	2-3E	11	1000x.71		1
0-1W		16	650x.87		2
1-2W		11.5	650x1.20		3
2-3W		10.5	1000x.87		4

Scintrex Mineral Surveys, Inc.

(2)

Twp. Colcedo	Prop. Line B	Date 4/20/80
Oper. T. W Rute	Asst. C. McQuin	Method dipole-dipole A=1000

Tx Station	Rx	Amps			n=
1-2W	3-4W	11.5	650X1.20		1
0-1W		16	650X.87		2
0-1E		10.5	1000X.71		3
1-2E		7.8	1000X1.12		4
2-3E		8	1000X1.20		5
2-3W	4-5W	10.5	1000X.87		1
1-2W		11.5	650X1.20		2
0-1W		16	650X.87		3
0-1E		11	1000X.71		4
1-2E		7.9	1000X1.12		5
2-3E		8.1	1000X1.20		6
2-3W	5-6W	10.5	1000X.87		2
1-2W		12	650X1.20		3
0-1W		16	650X.87		4
0-1E		11	1000X.71		5
1-2E		8	1000X1.12		6
2-3W	6-7W	11	1000X.87		3
1-2W		12	650X1.20		4
0-1W		16	650X.87		5
0-1E		11	1000X.71		6

Scintrex Mineral Surveys, Inc.

(3)

Twp. Colado	Prop. Line D	Date 4/20/80
Oper. T. Wilson	Asst. C. McQueen	Method dipole-dipole R=2000

T_x Station	R_x	Amps			D =
2-3W	7-8W	11	1000X.87		4
1-2W		12	650X1.20		5
0-1W		16	650X.87		6

Scintrex Mineral Surveys, Inc.

(4)

Twp. Colado	Prop. Line B	Date 4/21/80
Oper. T. W D. M.	Asst. C. McCrea	Method dipole-dipole H=1000

Tx Station	Rx	amps			n=
1-2E	3-4E	7	1000x1.		1
0-1E		9.9	1000x.71		2
0-1W		15	650x.87		3
1-2W		11.5	650x1.20		4
2-3W		11	1000x.87		5
		4/22/80			
2-3E	4-5E	7.6	1000x1.20		1
1-2E		7	1000x1		2
0-1E		10	1000x.71		3
0-1W		15 (14.5)	1650x.87		4
1-2W		11.5 (11.5)	1650x1.20		5
2-3W		10	1000x.87		6
2-3E	5-6E	8.1	1000x1.20		2
1-2E		7.8	1000x1.12		3
0-1E		11.5	1000x.71		4
0-1W		16	650x.87		5
1-2W		11.5	650x1.20		6
2-3W			1000x.87		7

Scintrex Mineral Surveys, Inc.

(5)

Twp. Colleador	Prop. Line B	Date 4/22/80
Oper. T. White	Asst. C McAdam	Method Dipole-dipole A=200'

Tx Station	Rx				n=
2-3E	6-7E	8.2(8.4)	1000x1.20		3
1-2E		7.5	1000x1		4
0-1E		11.5	1000x.71		5
0-1W		16	650x.87		6
1-2W			650x1.20		7
2-3E	7-8E	8.3	1000x1.20		4
1-2E		7.7	1000x1		5
0-1E		11.5	1000x.87		6
0-1W			650x.87		7

Line A — Colado AREA, NEVADA --- Pa Survey

TX	Rc	n	V	I	Pa
1-2N	0-1S	1	14.5	16.5	5.0
2-3N	"	2	5.52	15.0	8.5
0-1N	1-2S	1	20.0	10.5	10.9
1-2N	"	2	6.66	16.5	9.3
2-3N	"	3	4.6	15.0	17.6
0-1S	2-3S	1	15.72	10.5	8.6
0-1N	"	2	5.56	11.0	11.6
1-2N	"	3	3.50	16.5	12.2
2-3N	"	4	1.94	14.5	15.4
2-3S	0-1S	1	10.78	6.5	9.5
2-3N	0-1N	1	17.9	16.0	6.4
1-2S	3-4S	1	15.05	7.4	11.7
0-1S	"	2	9.33	10.5	20.4
0-1N	"	3	1.49	11.0	7.8
1-2N	"	4	1.10	17.0	7.4
2-3N	"	5	0.66	14.5	9.2
2-3S	4-5S	1	18.3	6.5	16.2
1-2S	"	2	3.78	7.1	12.2
0-1S	"	3	1.025	11.0	5.4
0-1N	"	4	0.48	10.5	5.3
1-2N	"	5	0.40	16.5	4.9
2-3N	"	6	0.29	14.5	6.4
2-3S	5-6S	2	4.86	6.5	17.2
1-2S	"	3	1.58	7.2	12.6

Colado

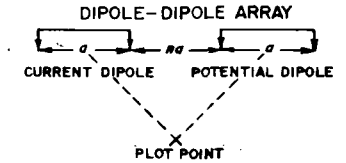
Tx	Rc	#	V	I	Pa
0-1S	5-6S	4	0.525	11.5	5.2
0-1N	"	5	0.28	10.0	5.6
1-2N	"	6	0.21	17.0	4.0
2-3S	6-7S	3	1.59	6.5	14.1
1-2S	"	4	0.534	7.2	8.5
0-1S	"	5	0.285	11.0	5.2
0-1N	"	6	0.176	10.0	5.7
1-2N	"	7	0.159	16.5	4.7
2-3S	7-8S	4	0.329	6.3	6.0
1-2S	"	5	0.224	7.2	6.3
0-1S	"	6	0.33 ?	11.5	9.2 ?
1-2N	3-4N	1	20.5	17.0	6.9
0-1N	"	2	3.69	10.0	8.5
0-1S	"	3	1.90	11.5	9.5
1-2S	"	4	1.28	7.7	19.1
2-3S	"	5	0.516	6.8	33.4
2-3N	4-5N	1	26.4	16.0	9.5
1-2N	"	2	5.67	17.5	7.4
0-1N	"	3	1.62 ? 1.211 g	11.0	6.3
0-1S	"	4	0.963 ? 0.705 g	11.5	7.0
1-2S	"	5	0.491	7.5	13.2
2-3S	"	6	0.259	8.0	10.4
2-3N	5-6N	2	7.02	16.5	9.8
1-2N	"	3	2.06 ? 1.57 g	17.0	5.3

Colado

Tx	Rx	n	V	I	Ra
0-1N	5-6N	4	0.684	14.0	5.6
0-1S	"	5	0.348	11.0	6.4
1-2S	"	6	0.359	9.2	12.6
2-3S	"	7	0.159	8.6	8.9
2-3N	6-7N	3	2.83	16.0	10.2
1-2N	"	4	0.76	16.5	5.3
0-1N	"	5	0.40	14.0	5.7
0-1.5	"	6	0.2197	11.0	6.4
1-2S	"	7	0.2446	9.1	13.0
2-3N	7-8N	4	0.8535	16.0	6.1
1-2N	"	5	0.3554	16.5	4.3
0-1N	"	6	0.2166	14.0	5.0
0-1S	"	7	0.123	11.0	5.4

EARTH SCIENCE LABORATORY
UNIVERSITY of UTAH RESEARCH INSTITUTE

DIPOLE - DIPOLE ARRAY
APPARENT RESISTIVITY



a = ——— meters 1,000 ft.

S 8 7 6 5 4 3 2 1 0 1 2 3 4 5 6 7 8 N

ρ_a (Ω ft)

15.91 16.53 8.45 10.77 4.97 3.81 6.82 9.33
16.90 12.04 20.09 11.41 9.13 8.32 8.34 7.32 9.62
13.83 12.40 6.27 7.66 12.02 17.41 9.34 8.32 6.85 10.00
8.43 10.68 6.59 7.00 7.31 15.12 18.79 9.44 7.27 6.85 7.70
6.59 6.29 6.53 6.11 9.00 15.13 16.88 7.73 7.35 6.11
4.68 6.01 7.45 7.20 14.24 17.55 8.92 6.56
4.89 8.19 13.25 16.70 7.34

Field Results

52.Ax

AREA Colado STATE _____ LINE A DATA BY JCW DATE _____ TRANSMITTER _____ RECEIVER _____

R-4-55
T 0-15
10 50 mV
n=3

R-4-55
T 0-15
10 50 mV
n=4

R-4-55
T 0-15
10 50 mV
n=5

R-4-55
T 0-15
10 50 mV
n=6

R-4-55
T 0-15
10 50 mV
n=4

R-4-55
T 0-15
10 50 mV
n=2

Scale 1/200 x 1/10 V/cm

Scale 1/200 x 1/10 V/cm

Scale 1/666.66 x 1/10 = 1/6.66 1/5 10.4 V/cm

Scale 1/200 x 1/20 V/cm 2500

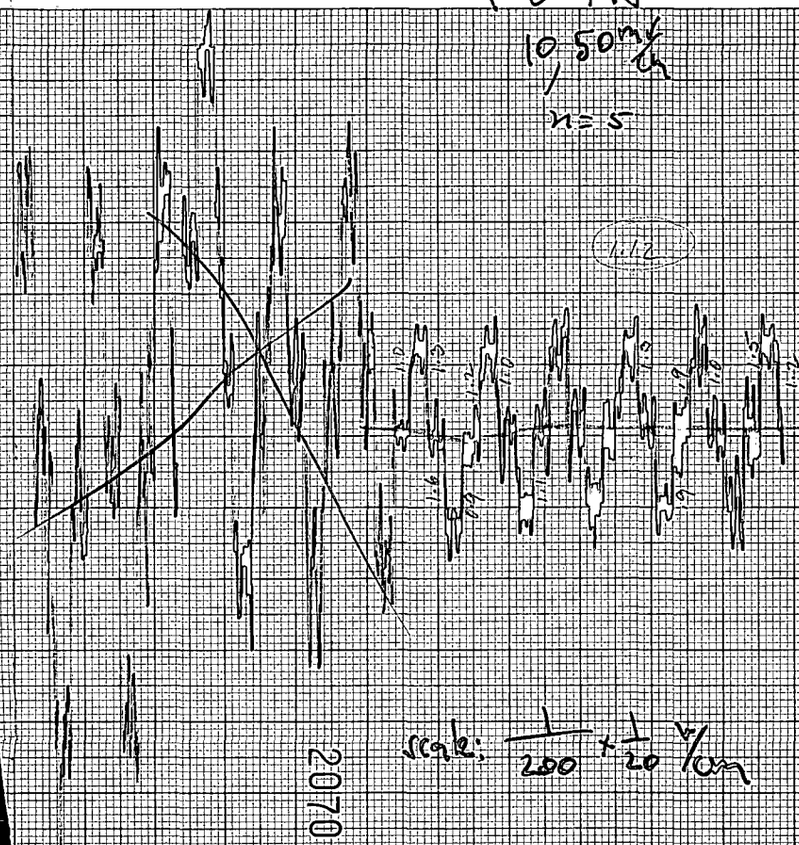
Scale 1/200 x 1/20 V/cm

Scale 1/200 x 1/1000 2000 V/cm

Scale 1/200 x 1/20 V/cm 2500

Line # A
(1)

R-5-6S
T0-1N
10,50 mV/cm
n=5



scale: $\frac{1}{200} \times \frac{1}{20}$ V/cm

2070

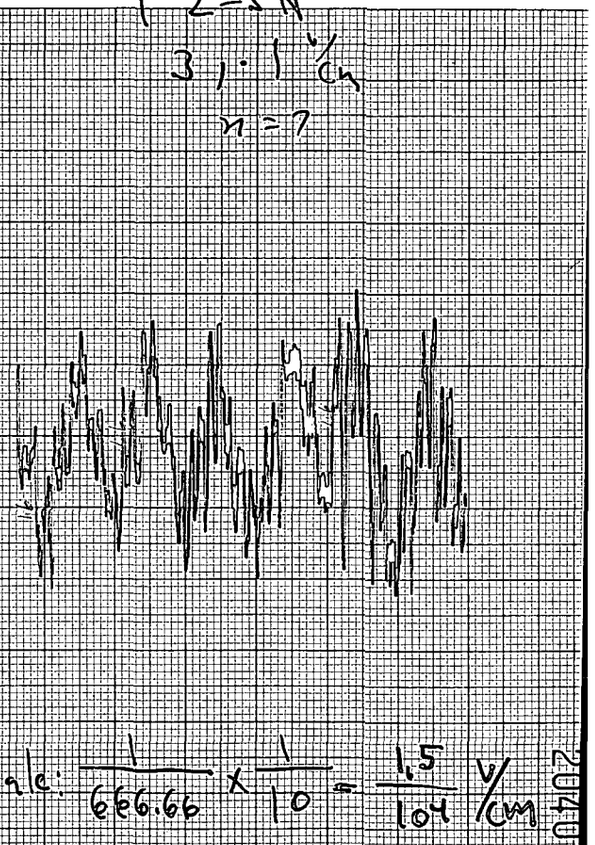
R 5,6 S
T 1-2N
3,1
n=6

scale: $\frac{1}{666.66} \times \frac{1}{10} = \frac{1,5}{10^4}$ V/cm

2060

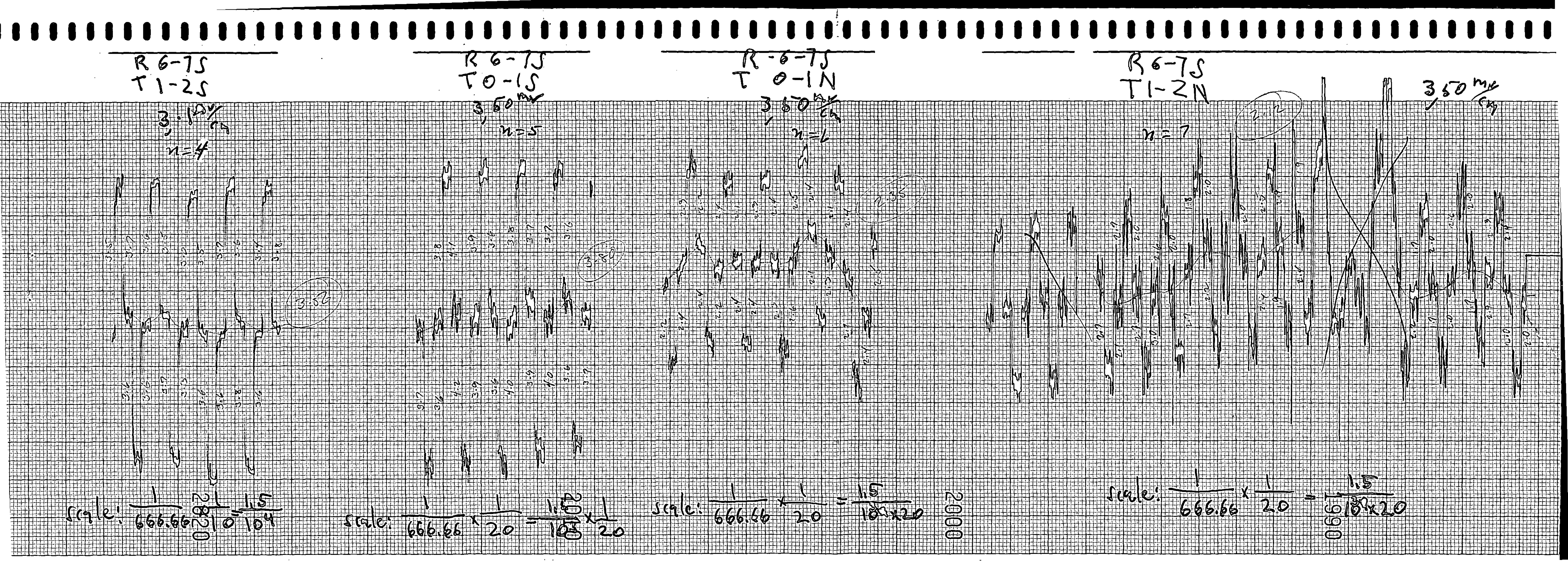
2050

R-5-6S
T2-3N
3,1 V/cm
n=7

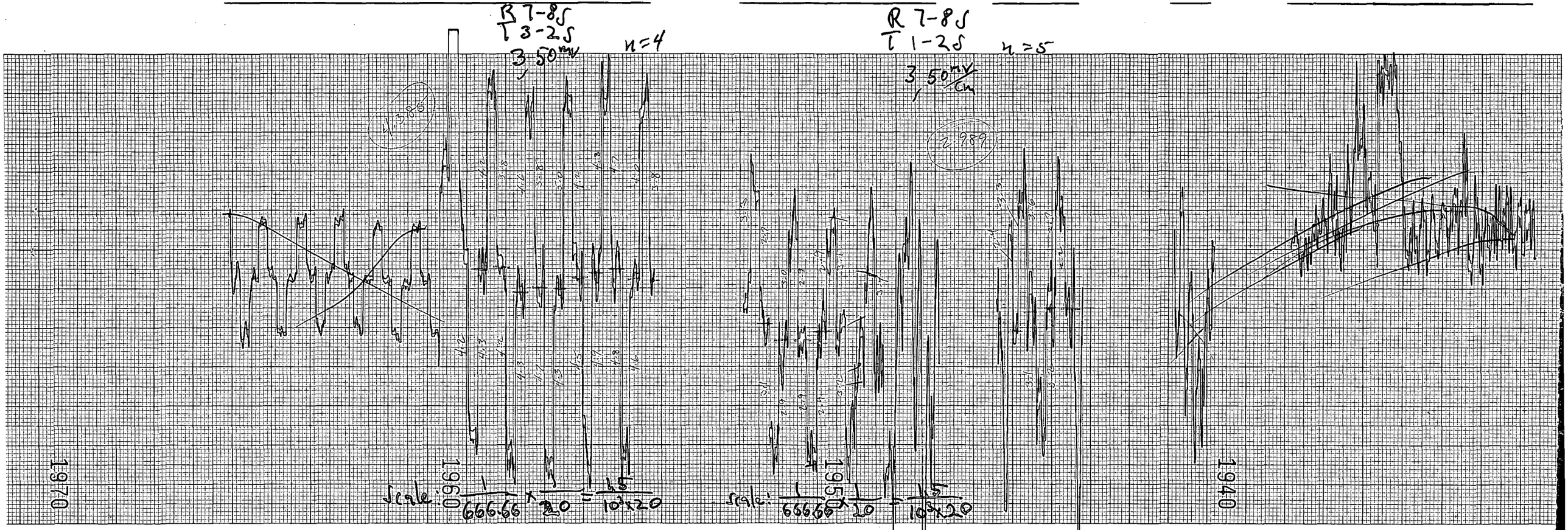


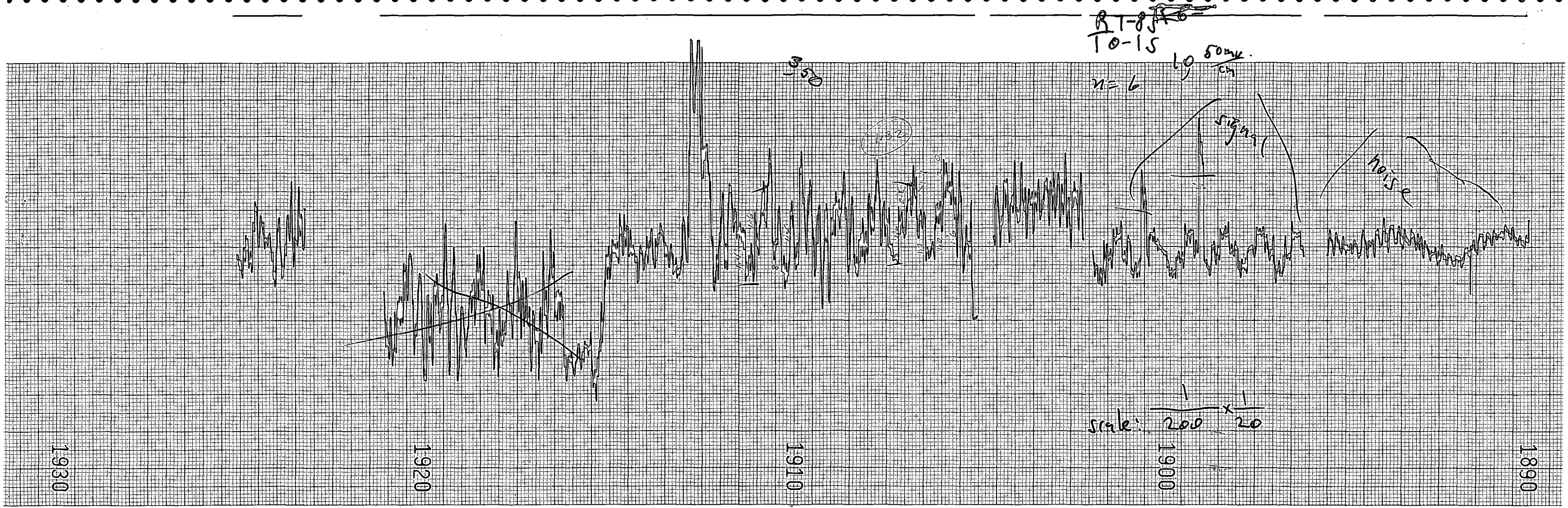
scale: $\frac{1}{666.66} \times \frac{1}{10} = \frac{1,5}{10^4}$ V/cm

2040


R 6-75
T1-2S
3.10 mv/cm
n=4
scale: 1/666.66
R 6-75
T0-1S
3.50 mv
n=5
scale: 1/666.66 x 1/20
R-6-75
T 0-1N
3.50 mv/cm
n=6
scale: 1/666.66 x 1/20
2000
R 6-75
T1-2N
n=7
3.50 mv/cm
scale: 1/666.66 x 1/20
990

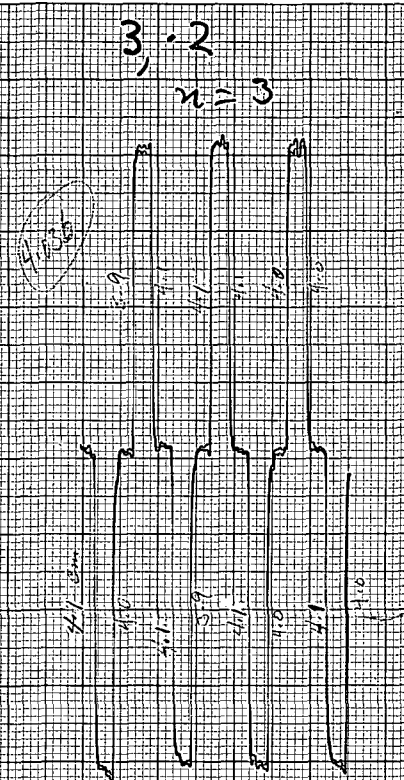
Line # A ②



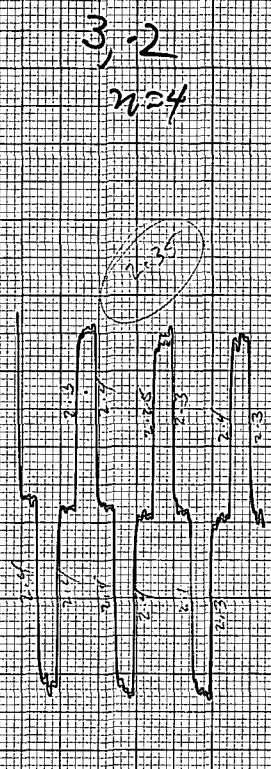


HEWLETT-PACKARD 9280-0278

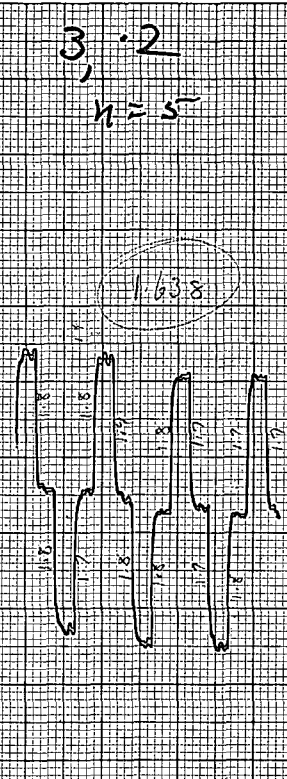
R 4-5 N
T 0-1 N



R 4-5 N
T 0-1 S

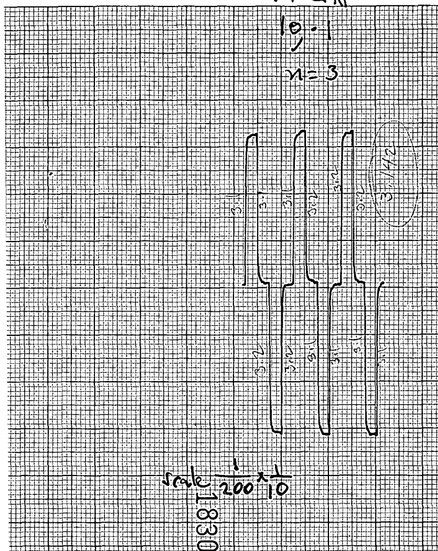


R-4-5 N
T 1-2 S



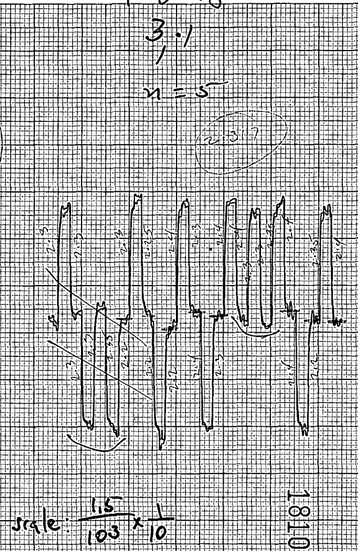
R-4-5 N
T 2-3 S

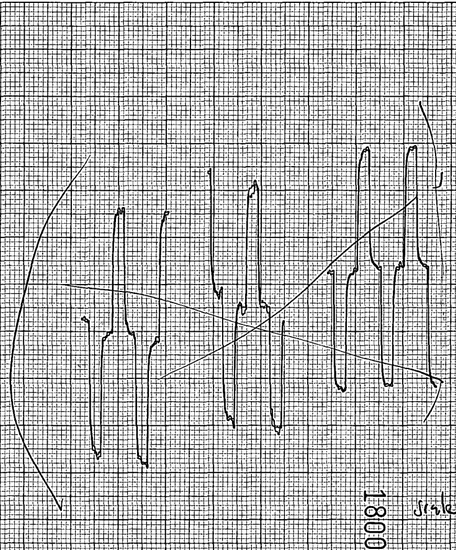
R 5-6N
T1-2N



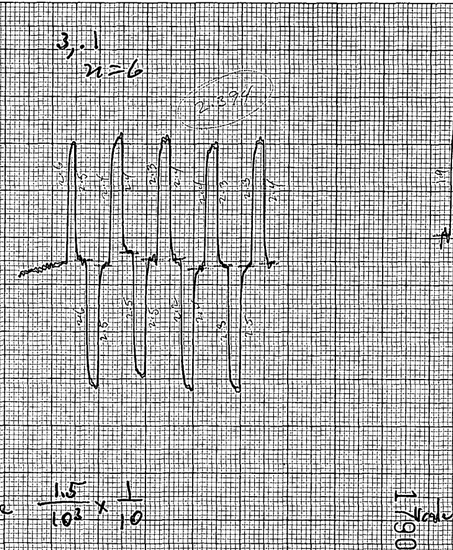
R·5-6N
T 1-0N

R -5-6N
T 0-1S

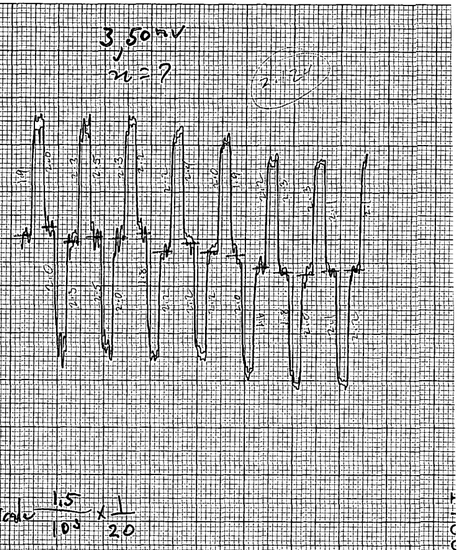




R 5-6N
T1-2S



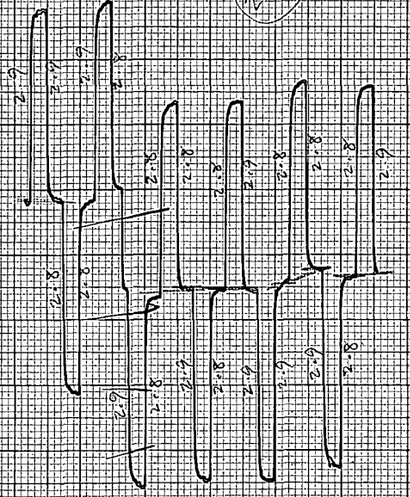
R-5-6N
T 2-3S



R 7-8 N
T 2-3 N

3, ·2

n=4



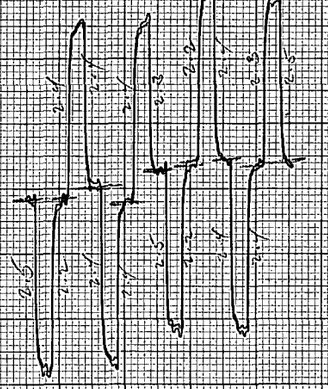
1730

$\frac{1.5}{10^3} \times \frac{1}{5}$

R-7-8N
T 1-2 N

3, 1

n=5



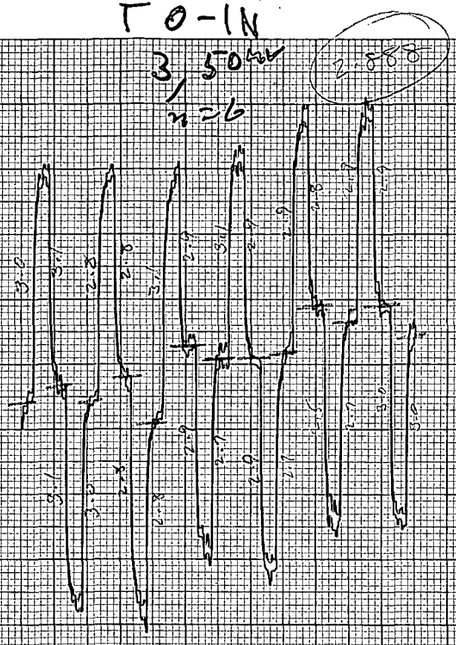
1720

$\frac{1.5}{10^3} \times \frac{1}{10}$

R 7-8N
T 0-1N

3, 50 mv

n=6



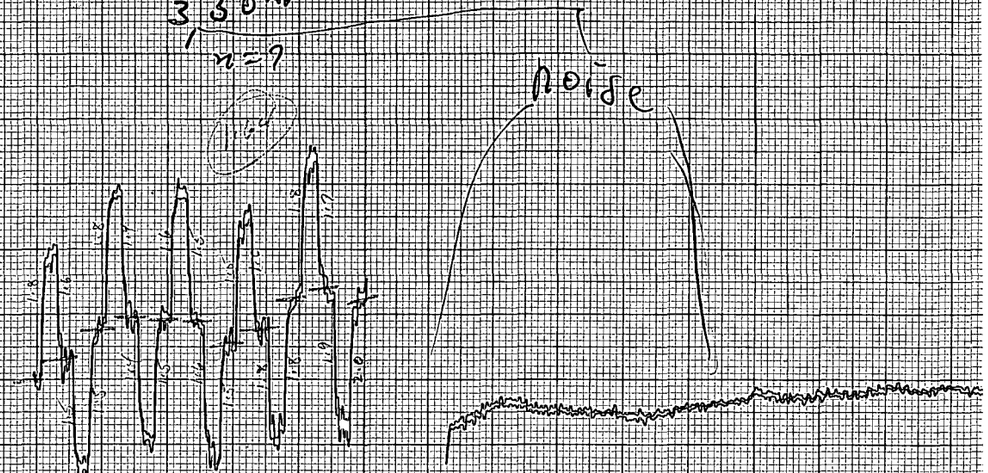
1710

$\frac{1.5}{10^3} \times \frac{1}{20}$

R 7-8 N
T 0-1 S

3, 50 mv

n=?



1700

$\frac{1.5}{10^3} \times \frac{1}{20}$

1000' Dipoles

Scintrex Mineral Surveys, Inc.

(1)

Twp. Line A		Prop. Colado			Date 5/14/80
Oper.		Asst. C. McGrin		Method dipole-dipole	A = 1000
T Station	R	amps			
2N - 1N'	0 - 1SE	16.5	400x1.00		
3N - 2N'		15.	400x1.00		
1N - 0'	1 - 2 S	10.5	400 x 1.20		
2N - 1N'		16.5	400x1.00		
3N - 2N'		15	400x1.00		
0 - 1S'	2S - 3 S	10.5	650x1.00		
1N - 0'		11	400 x 1.20		
2N - 1N'		16.5	400x1.00		
3N - 2N'		14.5	400x1.00		
3S - 2S'	1S - 0	6.5	650x1.20		
3N - 2N'	1N - 0	16	400x1.20		

Tx, Rcvr notes

Scintrex Mineral Surveys, Inc.

Twp.	Line A	Prop. Colado	Date April 14
Oper.		Asst.	Method

Station	R				
(16.5) 2 - 1N (1)	0-1S	10x1.45	x1.46 x1.45	1.45	14.5 / 4.97
(5) 3 - 2N (2)		3x1.83	x183, 1.84	1.85	5.52 / 8.32
(0.5) 1N - 0 (1)	1-2S	10x2.00	x2.01 2.00	2.00	20 / 10.77
(6.5) 2N - 1N (2)		3x3.22	3x2.23 2.22	3x2.22 more	6.66 / 9.13
(5) 3N - 2N (3)		3x1.53	x1.53, 1.54	3x1.54	4.62 / 17.41
(10.5) 0 - 1S (1)	2S-3S	10x1.57	x1.57 x1.58	x1.57	15.7 / 8.45
(11) 1N - 0 (2)		3x1.85	x1.86, x1.85		5.55 / 11.41
(16.5) 2 - 1N (3)		3x1.16	x1.16, 1.17	x1.17	3.51 / 12.02
(4.5) 3N - 2 (4)		1x1.94	x1.94, 1.94	x1.95	1.94 / 15.12
(0.5) 3S - 2S (1)	1S - 0	10x1.08	x 1.09, 1.06	1.08	10.8 / 9.39
(10) 3N - 2N (1)	1N - 0	10x1.79	10x1.79,	x1.79	10.79 / 3.81

Scintrex Mineral Surveys, Inc.

Twp. Colada	Prop. Line A	Date 4/14/80
Oper. T. White	Asst. C. McCann	Method A = 1000 dipole-dipole

TK. Station	Rec.	Output			n=
2-1 S	3-4 S	7.4	650X1.20		1
1-0 S	↓	10.5	650X1.00		2
0-1 N	↓	11	400X1.20		3
1-2 N	↓	17	400X1.00		4
2-3 N	↓	14.5	400X1.00		5
2-3 S	4-5 S	6.5	650X1.20		1
2-1 S	↓	7.1	650X1.12		2
1-0 S	↓	11	650X1.20		3
0-1 N	↓	10.5	400X1.00		4
1-2 N	↓	16.5	400X1.00		5
2-3 N	↓	14.5	400X1.20		6
2-3 S	5-6 S	6.5	650X1.20		2
1-2 S	↓	7.2	650X1.12		3
0-1 S	↓	11.5	650X1.20		4
0-1 N	↓	10	400X1.00		5
1-2 N	↓	17	400X1.00		6
2-3 N		14.5	400X1.00		7
2-3 S	6-7 S	6.5	650X1.20		3
1-2 S	↓	7.2	650X1.12		4
0-1 S	↓	11	650X1.20		5
0-1 N	↓	10	400X1.00		6
1-2 N		16.5	400X1.00		7

Scintrex Mineral Surveys, Inc.

Twp. Line # A	Prop.	Date 14
Oper.	Asst.	Method

Station	R				
2.4 25¹	3-4 S	10×1.50 1.51	1.50	1.51	15.10 / 11.53
0.5 0 -1S²		3×100 ?	3.12	3.10	9.33 / 20.09
1 N-0³		1×1.47	×1.49	1.50	1.49 / 7.66
1.7 N-1N⁴		1×1.10	±.02		1.10 / 7.31
4.5 3N-2N⁵		3×2.20	±.05		.66 / 9.00
0.5 2 -3S¹	4-5 S	10×1.83	±.00		18.30 / 15.91
2.1 1 -2S²		3×1.26	±.01		3.78 / 12.04
1.1 0 -1S³		1×1.22	±.02	q	1.23 / 6.27
0.5 1N-0⁴	6.5/2 × 1.5/104	= .49mv	× 1.33	Fudge factor q	.66 / 7.00
0.5 2N-1N⁵	3/2 × 1/4000	= .38 mv	× 1.33	q	.51 / 6.11
4.5 3N-2N⁶	2/2 × 1/4000	= .25mv	× 1.33	q	.33 / 7.20
0.5 2 -3S²	5-6 S	3×1.62	±.02		4.86 / 16.90
1.2 1 -2S³		1×1.58	±.04		1.58 / 12.40
1.5 0 -1S⁴	4/2 × 1/4000	= .50mv	× 1.33	Fudge factor q	.67 / 6.59
1.0 1 -0N⁵	3/2 × 1/4000	= .25 mv	× 1.33	q	.33 / 6.53
1.7 2 -1N⁶	4/2 × 1.5/104	= .30	× 1.33	q	.40 / 7.45
4.5 3 -2N⁷	2.5/2 × 1.5/104	.19mv	× 1.33	q	.25 / 8.19
-3					

Scintrex Mineral Surveys, Inc.

Twp. Calador	Prop. Line A	Date 4/14/80
Oper. T. White	Asst. C. Meagin	Method A=1900 dipole-dipole

TX Station	Rec	Amps			n=
2-3 S	7-8 S	6.3	650X1.20		4
1-2 S	↓	7.2	650X1.12		5
0-1 S	↓	11.5	650X1.20		6
0-1 N	↓		400X1.00		7

Scintrex Mineral Surveys, Inc.

Twp. Line A	Prop.	Date 4/3
Oper.	Asst.	Method

Station	R				
(65) 2 - 3S 3	6-7S	1x1.59	± .03		1.59 / 13,883
(7.2) 1 -2S 4	$\frac{16.8}{2} \times \frac{1.5}{10^4}$ = .51mv	x1.33			.68 / 10.68
(11) 0 -1S 5	$\frac{1}{2} \times \frac{1.5}{20 \times 10^3}$ = .26mv	x1.33			.35 / 6.29
(10) 1 -0N 6	$\frac{3.6}{2} \times \frac{1.5}{20 \times 10^3}$	.14x1.33			.19 / 6.01
(6.5) 2 -1N 7	$\frac{3.5}{2} \times \frac{1.5}{20 \times 10^3}$	.13x1.33			.17 / 4.89
(6.3) 2 -3S 4	7-8S	$\frac{9.5}{2} \times \frac{1.5}{10^3 \times 20}$	= .35mv	x1.33	.42 / 8.43
(7.2) 1 -2S 5		$\frac{5}{2} \times \frac{1.5}{10^3 \times 20}$	.18mv	x1.33	.24 / 6.59
(6.5) 0 -1S 6		$\frac{1}{2} \times \frac{1}{4000}$	.13mv	x1.33	.17 / 4.68
1N - 0 7					

Scintrex Mineral Surveys, Inc.

Twp.		Prop.			Date
Oper. Line A		Asst.		Method	
Station					
(1) + 2N[1]	3-4N	10 x 2.05	± .00		20.5 / 6.82
(0) 0 - 1N[2]		3 x 1.23	± .01		3.69 / 8.34
1.9 1S - 0[3]		1 x 1.90	± .02		1.90 / 9.34
1.2 2S - 1S[4]		1 x 1.28	± .02		1.28 / 18.79
0.5 3S - 2S[5]		3 x 1.72	± .05		.52 / 15.13

Scintrex Mineral Surveys, Inc. (4)

Twp. Colado	Prop. Lina A	Date 4/14/80
Oper. T. [illegible]	Asst. C. McGarin	Method Slope-Angle H=1000

TX Station	Rec.	Amp.			D =
2-1N	3-4N	17	400X1.00		1
1-0N		10	400X1.00		2
0-1S		11.5	650X1.20		3
1-2S		7.7	650X1.20		4
2-3S	↓	6.8	650X1.00		5
XXXXX	XXXXX	4/15/80	XXXXX	XXXXX	XXXXX
3-2N	4-5N	16	400X1.12		1
2-1N		17.5	400X1.00		2
1-0N		11	400X1.20		3
0-1S		11.5	650X1.20		4
1-2S		7.5	650X1.20		5
2-3S	↓	8	1000X.71		6
3-2N	5-6N	16.5	400X1.20		2
2-1N		17	400X1.00		3
1-0N		14	650X.71		4
0-1S		11	650X1.12		5
1-2S	↓	9.2	1000X.71		6
2-3S	↓	8.6	1000X.87		7
3-2N	6-7N	16	400X1.20		3
2-1N		16.5	400X1.00		4
1-0N		14	650X.71		5
0-1S	↓	11	650X1.12		6
1-2S		9.1	1000X.71		7

Twp.		Prop.		Date 15	
Oper. Line #1 A		Asst.		Method	
Station	R_x				
(16) 2-3 NW	4-5 NW	10×2.64	±.00		26.4 / 9.33
(15.5) 2 - 2 N		3×1.89	±.01		5.67 / 7.32
(11) 1 - 0 IN		1×1.62	±.02	g	1.62 / 8.32
(1.5) 2 - 1		.3×3.21	±.05	.3×3.19 g	.96 / 9.44
(7.5) 3 - 2	$\frac{3.2}{2} \times \frac{1.5}{10^3 \times 5}$	.48×1.33	g		.64 / 16.88
(8) 3S - 2S	$\frac{3.6}{2} \times \frac{1.5}{104}$	.27×1.33	g		.36 / 14.24
(16.5) 2 - 3 N	5-6 NW	3×2.34	±.01		7.02 / 9.62
(17) 1 - 2 N		1×2.06	±.03	g	2.06 / 6.85
(14) 0 - 1 N	$\frac{9}{2} \times \frac{4.5}{104}$	.68×1.33	g		.90 / 7.27
(11) 1S - 0	$\frac{4.2}{2} \times \frac{1.5}{104}$	.32×1.33	g		.42 / 7.73
(4.2) 2S - 1S	$\frac{5}{2} \times \frac{1.5}{104}$	.38×1.33	g		.51 / 17.55
(8) 3S - 2S	$\frac{5}{2} \times \frac{1.5}{104 \times 20}$	.18×1.33	g		.24 / 13.25
(16) 2-3 N 3	6-7 NW	1×2.83	±.02		2.83 / 10.01
(16.5) 1 - 2 N	$\frac{10}{2} \times \frac{1.5}{104}$	.75×1.33	g		1 / 6.85
(14) 0 - 1 N	$\frac{5.2}{2} \times \frac{1.5}{104}$	.39×1.33	g		.52 / 7.35
(11) 1SE - 0	$\frac{6.2}{2} \times \frac{1.5}{10^3 \times 20}$	.23×1.33	g		.31 / 8.92
(2.1) 2 - 1S	$\frac{6.4}{2} \times \frac{1.5}{10^3 \times 20}$	.24×1.33	g		.32 / 16.70
3 - 2S			g		

Scintrex Mineral Surveys, Inc.

(5)

5

Twp. Colado	Prop. Line A	Date 4/14/80
Oper. T. White	Asst. C McAspin	Method A = 100' Loop - 2 Loops

TX Station	Rec.	Amps			D =
2-3N	7-8N	16	400X1.20		4
2-2N	↓	16.5	400X1.00		5
0-1N	↓	14	1600X.71		6
0-1S	↓	11	1600X1.12		7

Scintrex Mineral Surveys, Inc.

Twp.		Prop.			Date 15
Oper. Line H A		Asst.		Method	

Station					
(16) 3 X 4 6	7-8 N	$\frac{5.5}{2} \times \frac{1.5}{5 \times 103}$	.82 x 1.33		1.09 / 7.70
(16.5) -2 N 5	$\frac{5}{2} \times \frac{1.5}{104}$		.38 x 1.33		.51 / 6.11
(14) 0 - 1 N 6	$\frac{6}{2} \times \frac{1.5}{103 \times 20}$		.22 x 1.33		.29 / 6.56
(11) 1S - 0 7	$\frac{2.5}{2} \times \frac{1.5}{103 \times 20}$		.13 x 1.33		.17 / 7.34
2S - 1S					

Line E @1000' Colado Pa Survey

Tx	Rc	n	V	I	Pa
1-2N	0-1S	1	38.1	12.5	17.5
2-3N	"	2	6.71	14.0	11.0
0-1N	1-2S	1	52.9	13.0	23.4
1-2N	"	2	9.53	12.5	17.5
2-3N	"	3	3.25	14.0	13.3
0-1S	2-3S	1	45.5	12.5	20.9
0-1N	"	2	8.5	13.0	15.0
1-2N	"	3	2.79	12.5	12.8
2-3N	"	4	1.123	14.0	9.2
1-2S	3-4S	1	37.1	11.0	19.4
0-1S	"	2	10.07	12.5	18.5
0-1N	"	3	3.12	13.0	13.8
1-2N	"	4	1.233	12.5	11.3
2-3N	"	5	0.522	14.0	7.5
2-3S	4-5S	1	30.7	12.0	14.7
1-2S	"	2	8.14	11.0	17.0
0-1S	"	3	2.765	12.5	11.0
0-1N	"	4	0.77	13.0	6.8
1-2N	"	5	0.347	12.5	5.6
2-3N	"	6	0.1689	14.0	3.9
2-3S	5-6S	2	2.723	12.0	5.2
1-2S	"	3	0.543	11.0	2.8
0-1S	"	4	0.2331	13.0	2.1
0-1N	"	5	0.1127	13.5	1.7

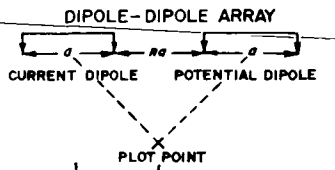
Colado

Tx	Rc	n	V	I	Pa
1-2N	5-6S	6	0.519	12.5	13.4
2-3S	6-7S	3	2.23	12.0	10.7
1-2S	"	4	1.13	11.5	11.3
0-1S	"	5	0.359	13.5	5.3
0-1N	"	6	0.1516	13.5	3.6
1-2N	"	7	0.0793	13.0	3.0
2-3S	7-8S	4	0.626	12.0	6.0
1-2S	"	5	0.359	11.5	6.3
0-1S	"	6	0.1725	13.5	4.1
0-1N	"	7	0.083	13.5	3.0
2-3N	0-1N	1	26.77	14.0	11.0
1-2N	3-4N	1	20.4	12.5	9.4
0-1N	"	2	4.81	14.0	7.9
0-1S	"	3	1.883	13.5	8.0
1-2S	"	4	1.017	11.5	10.2
2-3S	"	5	0.321	12.5	5.2
2-3N	4-5N	1	26.133	14.5	10.3
1-2N	"	2	4.52	12.5	8.3
0-1N	"	3	1.833	14.0	7.5
0-1S	"	4	0.702	13.0	6.2
1-2S	"	5	0.3588	12.0	6.0
2-3S	"	6	0.1494	12.5	3.8

Tk	Rc	n	V	I	Pa
2-3N	5-6N	2	5.13	14.5	8.1
1-2N	"	3	1.155	13.0	5.1
0-1N	"	4	0.5925	14.0	4.9
0-1S	"	5	0.3335	13.5	5.0
1-2S	"	6	0.1838	12.0	4.9
2-3S	"	7	0.07734	12.5	3.0
2-3N	6-7N	3	1.3	15.0	5.0
1-2N	"	4	0.5125	13.0	4.5
0-1N	"	5	0.3025	14.5	4.2
0-1S	"	6	0.184	13.5	4.4
1-2S	"	7	0.1008	12.0	4.1
2-3N	7-8N	4	0.6832	15.0	5.2
1-2N	"	5	0.2619	13.5	3.9
0-1N	"	6	0.1419	14.5	3.2

EARTH SCIENCE LABORATORY
UNIVERSITY of UTAH RESEARCH INSTITUTE

DIPOLE - DIPOLE ARRAY
APPARENT RESISTIVITY



a = ——— meters a = 1000 ft

S 8 7 6 5 4 3 2 1 0 1 2 3 4 5 6 7 8 N

ρ_a (Ω m)

14.41 19.11 20.62 22.96 17.23 10.82 9.22 10.21
5.12 16.73 18.27 14.76 17.24 10.88 7.77 8.18 8.00
10.50 3.80 12.52 13.56 12.57 13.12 7.87 7.39 6.57 5.99
7.35 11.11 2.26 8.61 11.21 9.04 10.03 8.26 5.81 5.83 9.80
8.34 7.18 1.76 6.81 7.35 5.06 8.08 6.15 5.32 4.54
4.92 4.45 1.77 4.30 4.30 6.59 4.92 3.27
3.17 3.29 3.42 5.93

Ohm. ff.

AREA _____ STATE _____ LINE E DATA BY _____ DATE _____ TRANSMITTER _____ RECEIVER _____

4/6	$9\frac{1}{2}$
4/7	9
4/8	9
4/9	9
4/10	$11\frac{1}{2}$
4/11	9
4/12	6

170
114.89
284.89

4.25
2.13
6.38

JCW Formula

Q Factors

			A = 1000	A = 2000
n = 1	$\frac{3.14\, n (n+1)(n+2)}{3.14(2)(6)}$	(1)	18.84	37.68
n = 2	$3.14(2)(3)(4)$	(2)	75.36	150.72
n = 3	$\frac{(3.14)\,3(3+1)(3+2)}{(3.14)(3)(4)(5)}$	(3)	188.40	376.80
n = 4	$\frac{(3.14)(4)(4+1)(4+2)}{3.14(4)(5)(6)}$	(4)	376.80	753.60
n = 5	$\frac{(3.14)(5)(5+1)(5+2)}{3.14(5)(6)(7)}$	(5)	659.40	1318.80
n = 6	$\frac{3.14(6)(6+1)(6+2)}{(3.14)(6)(7)(8)}$	(6)	1055.04	2110.08
n = 7	$\frac{3.14(7)(7+1)(7+2)}{3.14(7)(8)(9)}$	(7)	1582.56	3165.12

C Scott's

$$P_a = \frac{V \times R \times A}{I}$$

$R = 2\pi \cdot c \cdot k$

$c = 0.3048$ meters/ft.

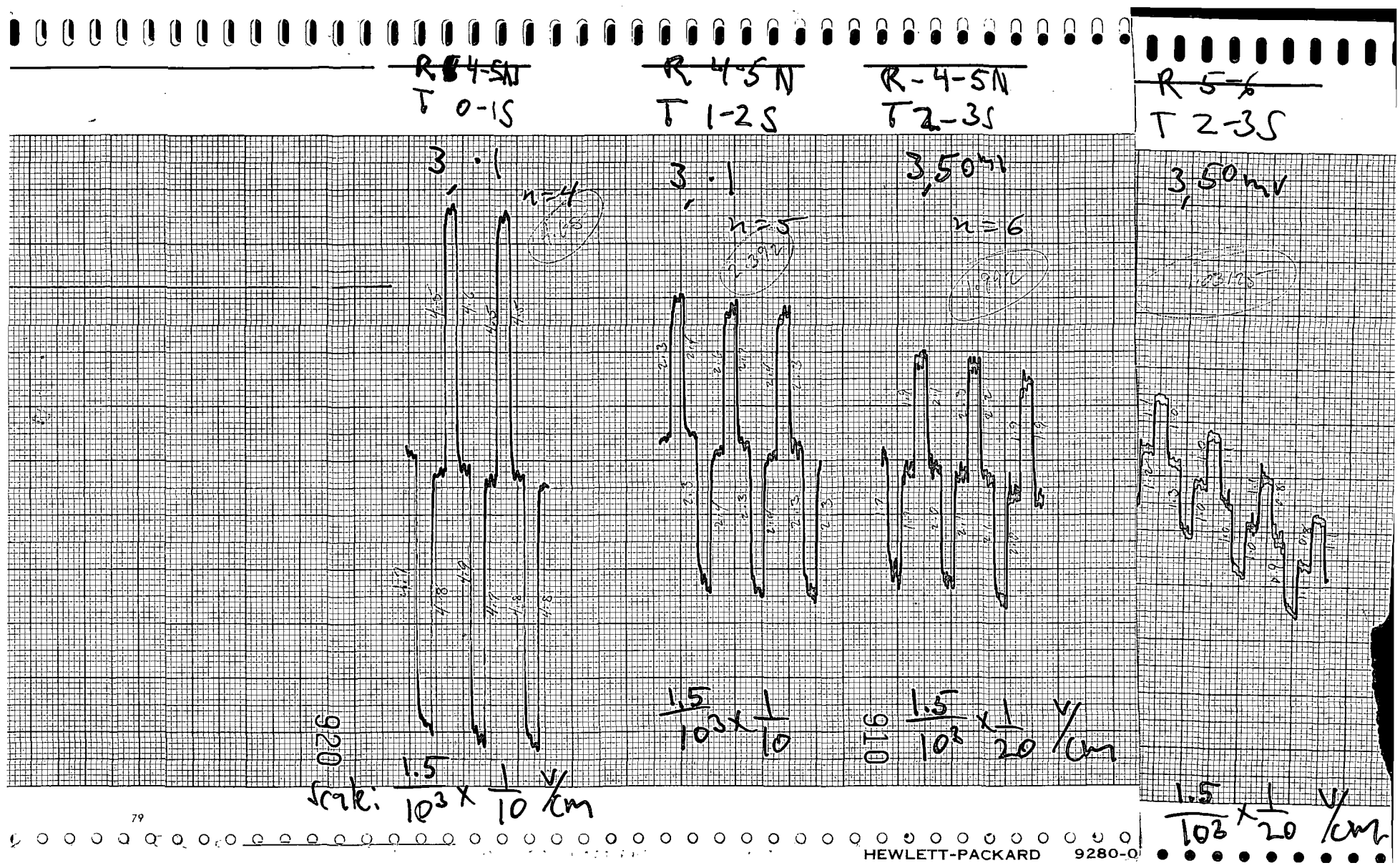
$$K = \frac{n(n+1)(n+2)}{2}$$ 3 4 5

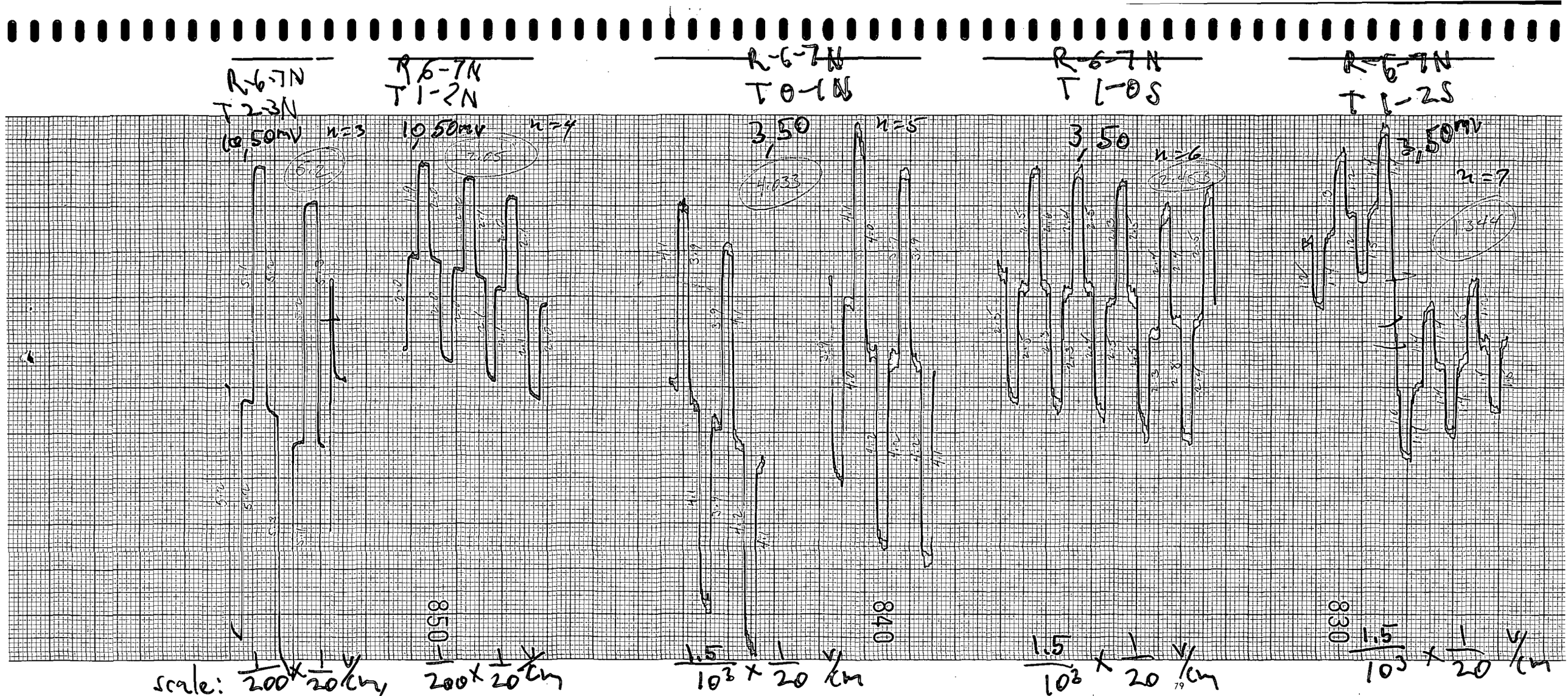
A = dipole spacing in feet

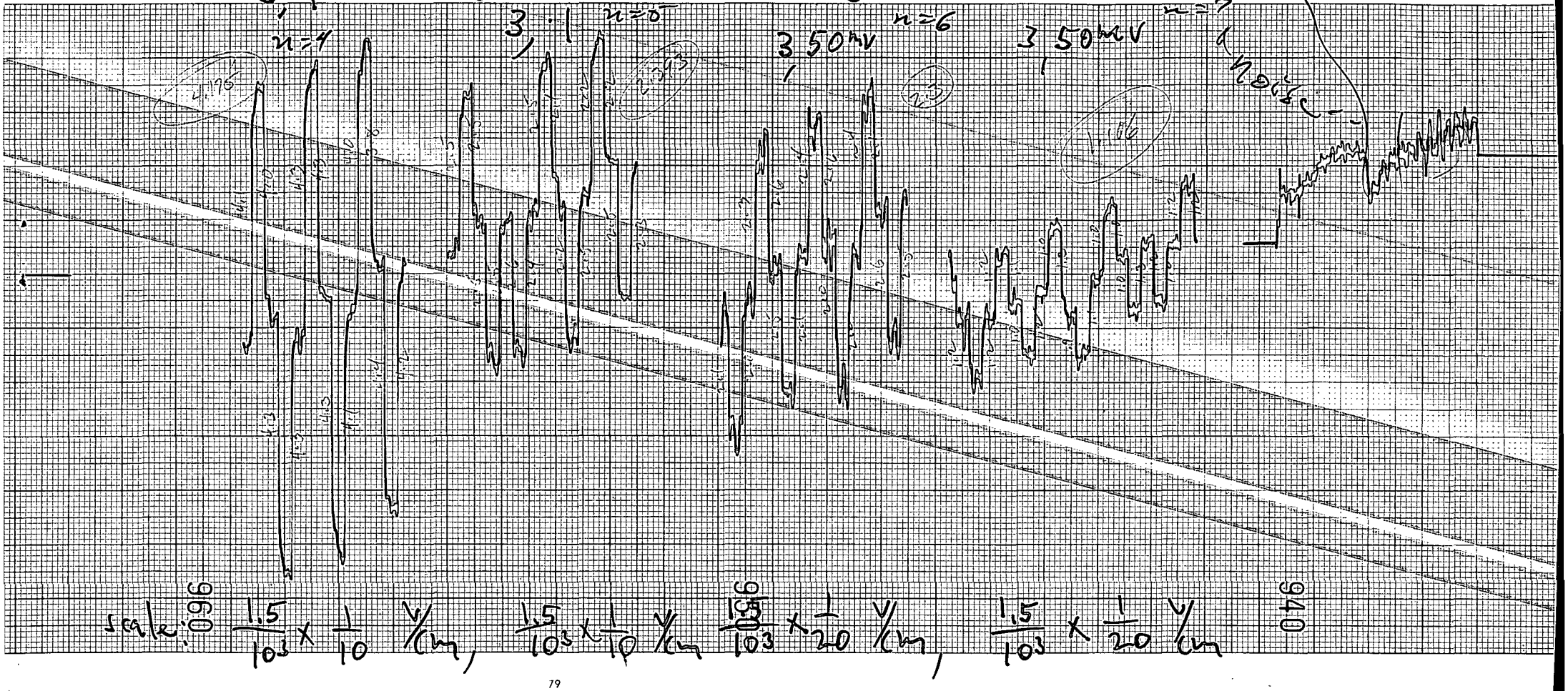
V = Volt. in mv

I = Current in amps

1 = 5.24
2 = 23.0
3 = 57.45
4 = 115.0
5 = 201.1
6 = 322.0
7 = 482.6




R-6-7N
T 2-3N
10,50mV
n=3
R-6-7N
T 1-2N
10,50mV
n=4
R-6-7N
T 0-1N
3,50
n=5
R-6-7N
T 1-0S
3,50
n=6
R-6-7N
T 1-2S
3,50mV
n=7
850
840
0388
scale: 1/200 x 1/20 V/cm
1/200 x 1/20 V/cm
1.5/10³ x 1/20 V/cm
1.5/10³ x 1/20 V/cm
1.5/10³ x 1/20 V/cm


R-7-BS
T2-3S
3:1
n=4
R-7-BS
T1-2S
3:1
n=0
R-7-BS
T0-1S
350mV
n=6
R-7-BS
T0-(N
350mV
n=7
scale: 0.96 1.5/10³ × 1/10 V/cm, 1.5/10³ × 1/10 V/cm 0.96/10³ × 1/20 V/cm, 1.5/10³ × 1/20 V/cm
940

Scintrex Mineral Surveys, Inc.

Twp. Colcader	Prop. Line E	Date 4/19/80
Oper. T. W. D.	Asst. C. McCrea	Method Dipole-Dipole @ = 1,000

T* Station	R*	[illegible]			n =
2-3 N	1-0 N	14	650 x 1.00		1
1-2 N	0-1 S	12.5	650 x 1.12		1
2-3 N		14	650 x 1.00		2
0-1 N	1-2 S	13	650 x 1.12		1
1-2 N		12.5	650 x 1.12		2
2-3 N		14	650 x 1.00		3
0-1 S	2-3 S	12.5	650 x 1.12		1
0-1 N		13	650 x 1.12		2
1-2 N		12.5	650 x 1.12		3
2-3 N		14	650 x 1.00		4

Scintrex Mineral Surveys, Inc.

(2)

Twp. Colcedar	Prop. line E	Date 4/19/80
Oper. T. White	Asst. C. McAllister	Method Dipole-Dipole a = 1000

T_R Station	R_r	amps			n =
1-2S	3-4S	11	650X1.20		1
0-1S		12.5	650X1.12		2
0-1N		13	650X1.12		3
1-2N		12.5	650X1.12		4
2-3N		14	650X1.00		5
2-3S	4-5S	12	650X1.20		1
1-2S		11	650X1.20		2
0-1S		12.5	650X1.12		3
0-1N		13	650X1.12		4
1-2N		12.5	650X1.12		5
2-3N		14	650X1.00		6
2-3S	5-6S	12	650X1.20		2
1-2S		11	650X1.20		3
0-1S		12	650X 1.20		4
0-1N		13.5	650X 1.12		5
1-2N		11.5	650X 1.12		6
2-3N			650X 1.00		7

Station					

Scintrex Mineral Surveys, Inc.

(3)

Twp. Colado	Prop. Dine E	Date 4/19/80
Oper. T. Rubello	Asst. C. McGerin	Method @ = 1000 Dipole - Dipole

Tx Station	Rx	Comp.			n =
2-3S	6-7S	12	650X1.20		3
1-2S	↓	11.5	650X1.76		4
0-1S		13.5	650X1.20		5
0-1N		13.5	650X1.12		6
1-2N		13	650X1.12		7
2-3S	7-8S	12	650X1.20		4
1-2S	↓	11.5	650X1.20		5
0-1S		13.5	650X1.20		6
0-1N		13.5	650X1.12		7

Station					

Scintrex Mineral Surveys, Inc.

(4)

Twp. Cleaudo	Prop. Line E	Date 4/10/20
Oper. T. White	Asst. C. McCallum	Method Dipole-dipole $\theta = 1000$

Tr. Station	R.	Omar			n=
1-2 N	3-4 N	12.5	1,750 X 1.12		1
0-1 N		14	650 X 1.12		2
0-1 S		13.5	650 X 1.12		3
1-2 S		11.5	650 X 1.20		4
2-3 S	↓	12.5	650 X 1.20		5
2-3 N	4-5 N	14.5	650 X 1.12		1
1-2 N		13.5	650 X 1.12		2
0-1 N		14.	650 X 1.12		3
0-1 S		13	650 X 1.12		4
1-2 S		12	650 X 1.20		5
2-3 S	↓	12.5	650 X 1.20		6
2-3 N	5-6 N	14.5	650 X 1.12		2
1-2 N		13	650 X 1.12		3
0-1 N		14	650 X 1.12		4
0-1 S		13.5	650 X 1.12		5
1-2 S		12	650 X 1.20		6
2-3 S	↓	12.5	650 X 1.20		7

Station					

Scintrex Mineral Surveys, Inc.

(5)

Twp. Cleaver	Prop. Line E	Date 4/19/80
Oper. T. Whyte	Asst. C McAdam	Method a = 1000 dipole-dipole

Tx Station	Rx	Current			a =
2-3N	6-7N	15	650X1.12		3
1-2N	↓	13	650X1.12		4
0-1N	↓	14.5	650X1.12		5
0-1S	↓	13.5	650X1.12		6
1-2S	↓	12	650X1.20		7
2-3N	7-8N	15	650X1.12		4
1-2N	↓	13.5	650X1.12		5
0-1N	↓	14.5	650X1.12		6
0-1S	↓		650X1.12		7

Station					

Scintrex Mineral Surveys, Inc.

Twp.		Prop.		Date 19	
Oper. L # E		Asst.		Method	
T Station	R				
(14) 2-3 N'	1-0 N	10 x 2.68	x 2.67	x 2.68	26.8 / 10.82
(2.5) 2-1 N'	0-1 S	10 x 3.82	3.81	3.80	38.1 / 17.23
(4) 3-2 N²		3 x 2.23	x 2.24	x 2.24	6.74 / 10.88
(3) 1 N-0 ¹	1-2 S	30 x 1.76	x 1.77	x 1.76	52.8 / 32.96
(2.5) 2-1 N²		3, x 3.16	x 3.18	3.19	9.53 / 17.24
(4) 3-2 N³		1, x 3.26	x 3.24	3.26	3.25 / 13.12
(12.5) 0-1 S'	2-3 S	30 x 1.52	x 1.50	x 1.53	45.6 / 20.62
(13) 1 N-0²		3, x 2.83	x 2.84	x 2.83	8.49 / 14.76
(12.5) 2-1 N³		1 x 2.79	x 2.80	x 2.78	2.78 / 12.57
(14) 3-2 N⁴		1 x 1.10	x 1.82	x 1.15	1.12 / 9.04

Station					

Twp.		Prop.			Date 19
Oper. Line 11 E		Asst.		Method	
Station	R				
(11) 1 - 2S 1	3-4S	30 x 1.24	x 1.23	x 1.24	37.20 / 19.11
(2.5) 0 - 1S 2		10 x 1.00	x 1.00	x 1.02	10.2 / 18.27
(13) 1N - 0 3		3 x 1.02	x 1.04	x 1.06	3.12 / 13.56
(2.5) 2 - 1N 4		1 x 1.24	x 1.22	x 1.24	1.24 / 11.21
(14) 3 - 2N 5		3 x 1.78	x 1.74	x 1.70	.52 / 7.35
(11) 2 - 3S 12	4-5S	30 x 1.02	x 1.02	1.03	30.9 / 14.41
(11) 1 - 2S 13		3 x 2.70	x 2.71	x 2.73	8.14 / 16.73
(2.5) 0 - 1S 14		1 x 2.73	x 2.80		2.77 / 12.51
(13) 1N - 0 4	1/2 x 1.5/104	x 1.33	g .99 mv		.99 / 8.61
(2.5) 2 - 1N 15	4.3/2 x 1.5/104	x "	g .43 mv		.43 / 6.81
(14) 3 - 2N 6	1/2 x 1.5/10^2 x 20	x "	g .19		.19 / 4.30
	200' east of line				
(12) 2 - 3N 2 S	5-6S	1 x 2.74	273	2.70	2.72 / 5.12
(11) 1 - 2N 3 S	7.5/2 x 1.5/104	x 1.33	g .74 mv		.74 / 3.80
(13) 0 - 1N 4 S	8/2 x 1/20,000	"	g .26		.26 / 2.26
(3.5) 1N - 0 5	3.5/2 x 1/20,000	"	g .12		.12 / 1.76
(2.5) 2 - 1N 6	4/2 x 1/40,000	"	g .07		.07 / 1.77
3 - 2N 7			g		

Scintrex Mineral Surveys, Inc.

Twp.		Prop.		Date 19
Oper. Lindt LE		Asst.	Method	

Station					
3) 2-3 HS 3	6-7 S	1x2.26	x2.20	x 2.23	2.23 / 1050
1.5) 1-2 S 4		1x1.12	x1.09	1.18	1.13 / 11.11
3.5) 0-1 S 5	5/2 x 1.5/104	x1.33 q	.49mV		.49 / 7.18
3.5) IN-0 6	4/2 x 1.5/10³x20	q	.19		.19 / 4.45
3) 2-IN 7	1.8/2 x 1.5/10³x20	q	.09		.09 / 3.29
3-2 IN		q			
12) 2-3 S 4	7-8 S	8/2 x 1.5/104 q	x1.33	.78mV	.78 / 7.35
1.5) 1-2 S 5	5/2 x 1.5/104	x1.33 q		.49	.49 / 8.34
3.5) 0-1 S 6	4.2/2 x 1.5/10³x20	" q		.21	.21 / 4.92
3.5) IN-0 7	2/2 x 1.5/10³x20	" q		.09	.09 / 3.17

Scintrex Mineral Surveys, Inc.

Twp.		Prop.		Date 19	
Oper. Line X E		Asst.		Method	
Station					
2N[1]	3-4N	10x2.04	x2.05	x2.03	20.4 / 9.22
0 -1N[2]		3x1.62	x1.60	x1.59	4.81 / 7.77
1S - 0[3]		1x1.89	x1.90	1.86	1.88 / 7.87
2 - 1S[4]		1x1.00	x1.02	1.03	1.02 / 10.03
3 -2S[5]		3x1.12	x1.00	1.09	.32 / 5.06
2 - 3N[1]	4-5N	10x2.62	x2.60	x2.62	26.2 / 10.21
1 - 2N[2]		3x1.52	x1.52	x1.52	4.52 / 8.18
0 - 1N[3]		1x1.85	x1.82	x1.83	1.83 / 7.39
1S - 0[4]		3x3.16g	—		.95 / 8.26
2 - 1S[5]	$\frac{5}{2} \times \frac{1.5}{104}$	x1.33 g	.49mv		.49 / 8.08
3 - 2S[6]	$\frac{3.6}{2} \times \frac{1.5}{10^3 \times 20}$	g	.17		.17 / 4.30
2 - 3N[1]	5-6N	3x1.72	x1.70	x1.71	5.13 / 8.00
1 - 2N[2]		1x1.52	x1.49	x1.53	1.51 / 6.57
0 - 1N[3]	$\frac{7.2}{2} \times \frac{1.5}{104}$	g	.72mv		.72 / 5.81
1S - 0[4]	$\frac{4.2}{2} \times \frac{1.5}{104}$	g	.42		.42 / 6.15
2 - 1S[5]	$\frac{5}{2} \times \frac{1.5}{10^3 \times 20}$	g	.25		.25 / 6.59
3 - 2S[6]	$\frac{1.8}{2} \times \frac{1.5}{10^3 \times 20}$	g	.09		.09 / 3.42

Scintrex Mineral Surveys, Inc.

5

Twp.		Prop.		Date	9
Oper. Line A E		Asst.		Method	

Station	R				
(15) 2 - 3N	6 - 7N	$\frac{9.6}{2} \times \frac{1}{1000}$ g	1.33	1.59 mV	1.59 / 5.99
(13) 1 - 2N	$\frac{4}{2} \times \frac{1}{1000} \times 1.33$	g		.67	.67 / 5.83
(14.5) 0 - 1N	$\frac{8}{2} \times \frac{1.5}{10^3 \times 20}$	" g		.39	.39 / 5.32
(13.5) 1S - 0	$\frac{4.2}{2} \times \frac{1.5}{10^3 \times 20}$	" g		.21	.21 / 4.92
(12) 2 - 1S	$\frac{3}{2} \times \frac{1.5}{10^3 \times 20}$	" g		.15	.15 / 5.93
~~3 - 2S~~					
(15) 2 - 3N	7 - 8N	~~g 1 x 1.00~~	~~x 1 .10~~	1.3 mV	1.3 / 9.80
(13) 1 - 2N	$\frac{6.2}{2} \times \frac{1.5}{10^3 \times 20}$ g	1.33	.31 mV		.31 / 4.54
(14.5) 0 - 1N	$\frac{3}{2} \times \frac{1.5}{10^3 \times 20}$ g	"	.15 mV		.15 / 3.27
~~1S - 0~~		g			

Scintrex Chart Recorder

Given Multiplier control @ 1, Gain factors acquired by Chart Recorder connected @ the Vp meter will be:

Vp Range	IPR-B Gain
10 K	0.2
3 K	0.666
1 K	2
300	6.666
100	20
30	66.666
10	200
3	666.66
1	2000
0.3	6666.6

$$Vp = \frac{\#\text{ division} \times \text{Range volt/cm (in Chart Recorder)}}{\text{Gain (IPR-B)}}$$