

(Sheet 2)

(19.7 mc/s --- After June 1957)

<u>Date</u>	<u>Phase</u>	<u>Record No.</u>
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Record :- ^{16th} 1960 AUG 17 (+17) []

Duration :- 22 h 00 m - 102 h 30 m

Time Analysed :- 22^h 00^m - 02^h 30^m.

CROSS CALIBRATION.

	Beg.	End.
20 mA def. (D)	2.05	2.26
Cross Zero	6.10	6.07

$$d = 0.1782 \times g(z) \times D$$

$$[g(z) = 1.00 \text{ -- from Table 1}$$

Time	Beg	0016	Eng	0 mlt	.70
D	2.05		2.26		
Cross Zero	6.08		6.08		
d	.37		.40		
2d	.73		.80		
3d	1.10		1.20		
4d	1.46		1.61		
5d	1.83		2.01		
6d	2.19		2.42		

NORTH/SOUTH READINGS.

$$T = mA \times f_{(N/S)} \quad \text{--- (for } f_{(N/S)} \text{ see Tbl.2)}$$

[illegible]

REMARKS :-

1960 Aug 17

(19.7 mc/s)

TIME	+ A -	+ B -	+ C -	+ D -	+ E -
2208	—	—	—	—	—
	—	—	—	—	—
	7	2	3	2	-2
	6	-5	2	3	-7
	(26)	(-6)	(6)	(10)	(-18)
12	-2	6	-2	-5	-1
	-3	13	3	2	5
	8	6	3	-6	7
	2	1	0	-1	9
	5	26	4	-10	20
16	10	0	-7	-10	3
	2	0	-6	5	12
	0	-10	-2	-3	-12
	-2	4	-3	-3	6
	10	-6	-18	-11	9
20	-7	6	8	2	2
	0	-9	6	0	4
	-4	0	6	6	4
	-6	2	3	0	5
	-17	-1	23	8	15
24	2	15	-6	5	-2
	-8	-3	0	0	-10
	-9	-5	-9	5	-3
	-8	-1	10	3	3
	-23	6	-7	13	-12
28	-2	-9	9	6	—
	—	—	—	9	—
	—	—	—	—	6
	0	-2	-2	-2	3
	(4)	(-22)	(14)	(26)	(18)
32	0	2	-3	5	-8
	1	-4	-7	-7	12
	-10	-4	-6	5	-7
	0	4	-5	11	-3
	-9	-2	-21	5	-6

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2

TIME	+ A -	+ B -	+ C -	+ D -	+ E -
22 36	3	-3	-2	-7	-2
	2	-3	—	0	4
	6	6	-11	-2	-7
	-6	-10	-3	-9	-2
	5	-10	(-21)	-18	-7
40	7	2	-12	2	-7
	-12	4	3	2	3
	0	2	-12	2	2
	0	-7	-7	-12	-3
	-5	1	-28	-6	-4
44	-1	3	1	2	-10
	-8	2	-3	9	9
	4	1	6	5	8
	-6	5	-3	0	8
	-11	11	1	16	15
48	5	8	-10	-6	4
	8	0	-3	4	-4
	-8	1	0	2	-3
	4	-8	10	-8	-9
	9	1	-3	-8	-12
52	14	0	6	-5	7
	-3	6	-1	2	13
	-7	1	-1	-2	1
	-2	5	8	7	-6
	2	12	12	2	15
56	0	-1	10	-4	4
	0	3	9	-3	0
	-3	3	-5	7	18
	3	1	12	3	-2
	0	6	26	3	20
23 00	-2	2	-1	-5	-5
	5	-2	1	-3	9
	1	10	6	13	9
	11	3	2	2	8
	15	13	8	7	21

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(19.7 mc/s)

TIME	+ A -	+ B -	+ C -	+ D -	+ E -
2304	4	11	5	3	3
	9	6	5	-4	3
	2	2	-2	3	11
	1	6	10	10	7
	16	25	18	6	24
08	7	6	5	11	8
	-3	11	5	15	-2
	12	2	6	0	9
	4	-4	-1	-4	8
	20	15	15	22	23
12	-1	9	9	0	5
	5	7	7	—	—
	—	—	—	—	—
	—	—	6	12	6
	(8)	—	(14)	(24)	(22)
16	6	4	3	-4	1
	6	0	-7	3	9
	-7	5	6	7	-4
	6	-4	0	0	11
	11	5	21	6	17
20	1	1	3	-8	-7
	3	-3	5	-7	7
	0	-5	3	7	6
	8	3	9	9	3
	12	-4	20	1	9
24	-1	4	6	7	4
	1	3	—	3	9
	-2	1	10	3	4
	5	-1	3	-10	5
	3	7	(25)	3	22
28	-10	3	5	9	0
	-4	4	4	3	11
	-3	1	7	2	-7
	4	7	-1	3	4
	-13	15	15	17	8

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4

TIME	+ A -	+ B -	+ C -	+ D -	+ E -
23 32	-5	2	1	-1	5
	5	6	-9	0	4
	-1	6	7	3	3
	8	2	-8	4	-1
	7	16	-9	6	11
36	0	17	1	1	11
	7	7	4	9	0
	-6	-3	7	6	4
	-4	2	-3	9	-3
	-3	23	9	25	12
40	9	3	4	4	0
	9	13	-4	14	0
	4	2	8	10	6
	-2	-6	-1	2	17
	20	12	7	30	23
44	5	3	6	0	-2
	3	2	3	9	10
	3	-1	-2	10	8
	3	-1	9	-3	-1
	8	3	16	16	15
48	4	-7	2	2	5
	-1	3	6	5	3
	5	-5	4	-6	-6
	3	2	2	-1	2
	11	-7	14	0	4
52	9	-9	6	-2	4
	1	6	7	3	-13
	8	12	4	3	0
	5	-6	-8	4	2
	27	3	9	8	-7
56	2	3	0	-5	4
	9	6	-4	-6	6
	0	0	3	10	0
	-3	4	0	0	15
	8	13	-1	-1	25

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5

TIME	+ A -	+ B -	+ C -	+ D -	+ E -
00 00	6	7	7	8	-1
	3	7	3	-2	5
	3	2	6	2	2
	-2	1	-2	6	-9
	11	17	14	14	-3
04	-5	8	1	2	0
	-3	-3	9	-3	15
	0	-4	-8	12	5
	8	2	2	-4	6
	0	3	4	7	26
08	7	-10	-10	0	-6
	-5	8	8	-9	2
	3	-1	2	9	-2
	8	17	11	6	-4
	13	14	11	6	-10
12	-2	-11	1	-3	8
	-3	3	—	7	7
	-3	11	5	2	8
	-4	2	13	6	16
	-12	5	(25)	12	39
16	-1	-4	4	-6	0
	6	-1	7	-5	-14
	8	4	3	9	-3
	3	-4	4	0	4
	16	-5	18	-2	-13
20	8	4	4	6	-4
	7	2	-12	6	13
	-3	-9	-6	6	-4
	7	1	5	0	-3
	19	-2	-9	18	2
24	3	-5	1	3	-5
	3	-6	-1	-1	-5
	3	-4	-7	2	1
	6	4	-5	8	8
	15	-11	-12	12	-1

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6

TIME	+ A -	+ B -	+ C -	+ D -	+ E -
28	7	6	3	-1	8
	-1	10	-1	-4	-9
	-5	-8	-3	7	3
	-7	5	-6	1	2
	-6	-13	-7	3	4
32	1	0	0	2	8
	3	-15	-2	5	17
	-5	-3	3	-1	✓
	6	8	2	2	-2
	5	-10	3	8	21
36	-12	-2	8	5	0
	2	0	4	4	3
	-2	-2	-2	8	4
	3	-2	-1	-8	-8
	-9	-6	9	9	-1
40	8	-6	2	6	7
	-2	5	-1	-1	3
	-2	3	-4	1	2
	2	-2	4	-7	-4
	6	0	1	-1	8
44	7	5	7	6	10
	-5	9	-3	11	-7
	-5	1	2	4	4
	-5	4	7	3	-2
	-8	19	13	24	5
48	6	-5	1	1	6
	-4	2	1	2	-3
	0	-6	3	0	2
	1	-4	-1	-1	0
	3	-17	4	2	5
52	-4	-7	2	8	-6
	7	-7	15	-1	-1
	-3	-4	-5	-1	5
	0	1	-5	6	-7
	0	-17	7	12	-9

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(19.7 mc/s)

7

TIME	+ A -	+ B -	+ C -	+ D -	+ E -
0056	-5	0	-4	5	0
	0	-2	0	1	3
	0	-8	3	-4	-10
	-5	-4	3	2	-5
	-10	-14	2	4	-12
0100	-7	3	-5	-5	7
	-7	-3	-	10	0
	-5	0	-1	0	3
	5	-2	-1	3	-6
	-11	-2	(-9)	8	4
04	-2	0	-4	5	3
	-2	2	6	0	-5
	0	-1	-1	9	0
	-10	5	7	-2	2
	-14	6	8	12	0
08	-8	3	4	1	3
	0	1	2	4	3
	-5	3	-5	-2	-2
	-2	2	-1	-5	3
	-18	3	0	-2	7
12	-3	-1	-10	-8	-1
	-2	-14	8	-4	9
	6	-1	4	-2	4
	-1	-1	-3	-3	-1
	0	-17	-1	-17	11
16	-8	-5	-5	7	-6
	5 -6	4	2	-5	2
	2	-	-	-	-
	-	-	-	-	-
	(-7)	(-2)	(-6)	(-4)	(-8)
20	-	-4	3	-2	0
	-1	-2	7	4	-3
	4	-3	2	2	3
	-7	-4	5	-2	2
	(-5)	-13	18	2	2

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8

TIME	+ A	-	+ B	-	+ C	-	+ D	-	+ E	-
0124	2		2		-1		0		0	
		-8	2		8		10		0	
	1		8		2		12			-5
	7		-2		2		6		1	
	2		10		11		28			-4
28	9		-7		2		2		1	
		-8	0		-2		-5			-3
		-1	4		8		10		3	
		-3		-4	10		2		0	
		-3		-7	18		9		1	
32		-11		-6	6		-4		8	
	0		12		2		8			-6
		-3		-1	2		5		8	
		-2		-4		-1	0			-2
		-16	1		9		9		8	
36		-2		-4	-3		-6			-10
	6		6		9		-2			-2
	6			-1	-11		-3		4	
		-8	0		5		0		6	
	2		1		0		-11			-3
40	4			-2	1		9		4	
	0		4		7		1		3	
	0		4		3		-3			-6
	4		0		6		4			-1
	8		6		17		11		0	
44	2		2		-8		-2		1	
	3		8		0		-2		4	
		-2	3		4		5			-10
	2			-2	1		-4		7	
	5		11		-3		-3		12	
48		-2	4		-4		6			-9
	10		2				5		1	
	3			-5	-1		-4			-4
	3			2	4		3			4
	14			-1	(-1)		20			-16

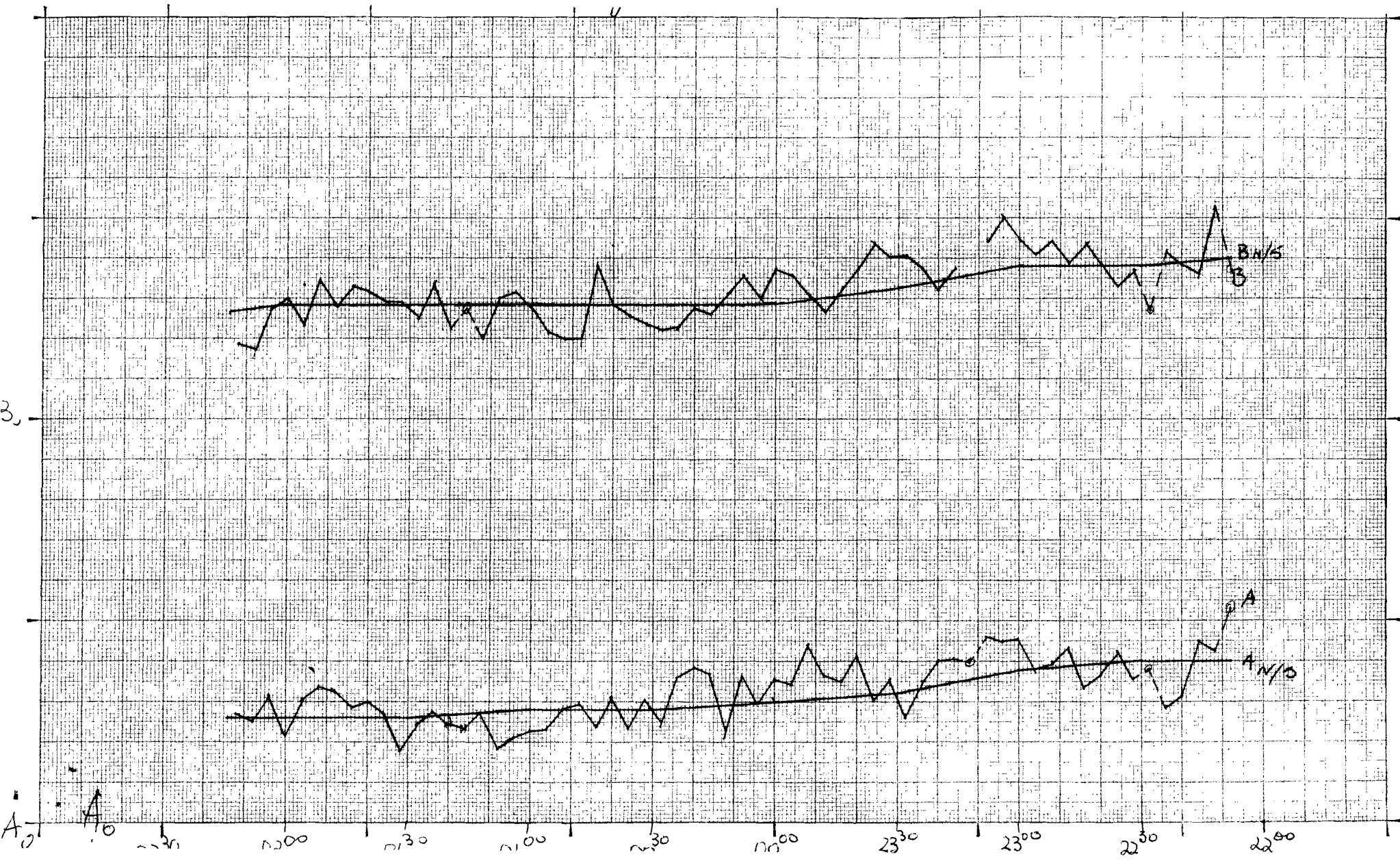
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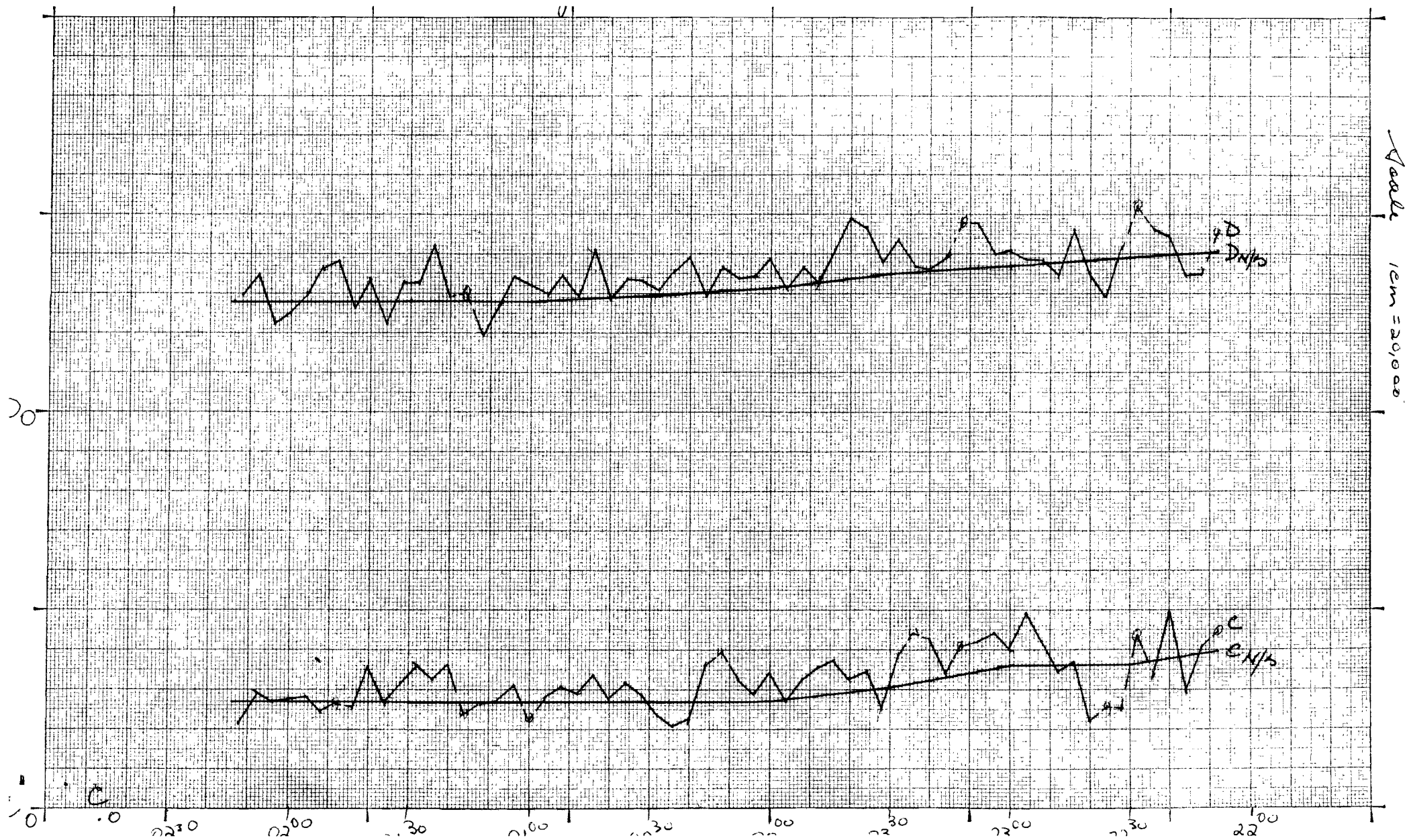
(19.7 mc/s)

9

TIME	+ A	-	+ B	-	+ C	-	+ D	-	+ E	-
0152	8		6		-3		-3		-5	
	1		-4		0		2		3	
	3		4		-3		10		7	
	3		6		1		8		7	
	15		12		-5		17		12	
56	4		5		3		0		6	
		-2		-4		-6		0		0
	4			-3		0		5		0
	3			-8		5		-1		5
	9			-10		2		4		11
0200	2			-8		4		-9		7
		-2		5		-3		0		1
		-7		-3		3		4		1
		-2		9		-3		-1		8
		-9		3		1		-6		17
04		-2		3		-7		-7		0
		-2		1		12		4		-3
	6			-4		-3		-1		-1
	9			-1		-2		-7		1
	11			-1		0		-11		-3
08		-1		-6		7		-1		-6
		-2		9		3		12		-4
	0			-12		-2		0		4
	1			-11		-4		2		5
		-2		-20		4		13		-1
12	6			-13		-2		0		-4
		-1		0		8		5		-6
		-2		-2		8		7		-1
		-1		-2		9		-9		1
	2			-17		-11		3		-10

Scale. 1cm = 20,000 °K





Depth = 1 cm = 20,000 γ

E_0

E_0

2330

2300

2230

2200

2130

2100

2030

2000

1930

1900

E_N/s
 δE

