

Absorption Data

Method: A 1

Year: 1972

Ionospheric

Station (circuit): Tbilissi

Geographic latitude: 41°44'N

longitude: 44°48'E

Frequency: MHz 2.2

Geomagnetic latitude: 36°30'

longitude: 129°12'

Date	L (dB) noon meas. /calc.	L(cosχ=1)		L(cosχ=0.2)		exponent n		τ (min.)	Notes
		a. m. mean (dB)	/p. m. (dB)	a. m. mean (dB)	/p. m. (dB)	a. m. mean	/p. m. mean		
1									
2									
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									
13	26/26	38		16		0.74			
14									
15									
16									
17	29/36	53		24		0.53			
18									
19									
20									
21									
22									
23									
24									
25									
26									
27									
28	27/31	47		18		0.59			
29									
30									
31	26/43	43		16		0.68			
Count	4	4		4		4			
Median	27/33	45		17		0.63			

Absorption Data

Method: A 1

Year: 1972

Month: II

Station (circuit): Tbilissi

Geographic latitude: 41°44'N

longitude: 44°48'E

Frequency: MHz 2.2

Geomagnetic latitude: 36°30'

longitude: 123°12'

Date	L (dB) noon meas. / calc.	L(cos χ =1) a. m. / p. m. mean (dB)	L(cos χ =0.2) a. m. / p. m. mean (dB)	exponent n a. m. / p. m. mean	τ (min.)	Notes
1						
2	34/35	68	14	0,98		
3						
4	30/29	36	21	0,34		
5						
6						
7	29/30	42	17	0,55		
8						
9	25/29	39	18	0,47		
10						
11	35/32	72	8	1,38		
12						
13						
14	32/34	53	14	0,82		
15						
16						
17						
18	38/39	60	16	0,84		
19						
20						
21						
22	22/40	54	20	0,63		
23	35/37	47	20	0,55		
24						
25	35/31	45	12	0,83		
26						
27						
28	37/34	41	20	0,45		
29	30/31	36	19	0,39		
30						
31						
Count Median	12 33/33	12 43	12 17	12 0,55		

Absorption Data

Method: A 1

Year: 1972

Month: III

Station (circuit): Tbilissi

Geographic latitude: 41°44'N

longitude: 44°48'E

Frequency: MHz 2,2

Geomagnetic latitude: 36°30'

longitude: 129°12'

Date	L (dB)		L(cos χ =1)		L(cos χ =0,2)		exponent n			τ (min.)	Notes
	noon meas. /calc.		a. m. mean	/p. m. (dB)	a. m. mean	/p. m. (dB)	a. m.	/p. m.	mean		
1											
2											
3											
4											
5											
6	34/34		46		I4		0,74				
7	40/42		58		I5		0,86				
8											
9											
10											
11											
12											
13											
14											
15											
16											
17	32/32		40		I3		0,70				
18											
19											
20											
21											
22	36/36		60	51 42	2 8 I4		2,26	0,70 I,50		52	
23											
24	35/42		59		8		I,29				
25											
26											
27											
28											
29	37/39		65	55 44	2 6 I0		2,1	I,45 0,89		30	
30											
31	32/31		42	40 39	5 8 I2		I,26	0,97 0,72		30	
Count	7		7		7		7				
Median	35/36		51		8		0,86			37	

Absorption Data

Method: A 1

Year: 1972

Month: IV

Station (circuit): Tbilissi

Geographic latitude: 41°41'N

longitude: 44°48'E

Frequency: MHz 2,2

Geomagnetic latitude: 36°30'

longitude: 123°12'

Date	L (dB)		L(cos χ =1)			L(cos χ =0,2)			exponent n			τ (min.)	Notes
	noon meas. /calc.	(dB)	a. m. mean	/p. m. (dB)	m.	a. m. mean	/p. m. (dB)	m.	a. m. mean	/p. m. mean	m.		
1													
2													
3	32/34		42			9			1,0				
4													
5	33/37		50	50	50	6	8	9	1,65	1,41	1,15	30	
6													
7	34/36		42	44	46	9	9	10	1,0	1,0	1,0	30	
8													
9													
10	43/43		54	62	69	4	5	5	1,78	1,68	1,59	22	
11													
12	39/44		49	54	58	7	7	8	1,21	1,21	1,21	36	
13													
14	36/42		53			5			1,50				
15													
16													
17	39/44		51			9			1,1				
18													
19													
20													
21	32/44		50	46	42	9	5	3	1,1	1,58	2,06	60	
22													
23													
24	41/40		45			10			0,93				
25													
26	41/42		46			12			0,88				
27	37/43		49			14			1,03				
28	46/40		45			10			0,95				
29													
30													
31													
Count	12		12			12			12				
Median	38/42		48			9			1,06			36	

Absorption Data

Method: A 1

Year: 1972

Month: **Y**

Station (circuit): Tbilissi

Geographic latitude: 41°44'N

longitude: 44°48'E

Frequency: MHz **2.2**

Geomagnetic latitude: 36°30'

longitude: 122°12'

Date	L (dB)		L(cos χ =1)		L(cos χ =0.9)		exponent n		τ (min.)	Notes
	noon meas.	/calc	a. m. mean	/p. m. (dB)	a. m. mean	/p. m. (dB)	a. m.	/p. m. mean		
1										
2										
3	43/42		47		9		1,03			
4	40/40		44		10		0,93			
5	40/40		44		14		0,89			
6										
7										
8	43/43		46		12		0,80			
9										
10	50/46		51		7		1,22			
11	/43		46		12		0,85			
12	46/49		56		7		1,57			
13										
14										
15	/45		50		11		0,92			
16										
17										
18										
19	42/42		44		11		0,85			
20										
21										
22										
23										
24										
25	41/46		48		12		0,98			
26										
27										
28										
29										
30										
31	46/44		46		12		0,84			
Count	11		11		11		11			
Median	43/43		46		11		0,92			

Absorption Data

Method: A 1

Year: 1972

Month VI

Station (circuit): Tbilissi

Geographic latitude: 41°44'N

longitude: 44°48'E

Frequency: MHz 2.2

Geomagnetic latitude: 36°30'

longitude: 192°12'

Date	L (dB)	L(cos χ =1)		L(cos χ =0.2)		exponent n		τ (min.)	Notes
	noon meas. /calc.	a. m. mean	/p. m. (dB)	a. m. mean	/p. m. (dB)	a. m. mean	/p. m. mean		
1									
2									
3									
4									
5	44/44	46		16		0.64			
6									
7	43/44	46		11		0.90			
8									
9									
10									
11									
12	44/51	54		5		1.50			
13									
14									
15									
16									
17									
18									
19	42/44	45		13		0.80			
20									
21									
22									
23									
24									
25									
26									
27									
28									
29									
30									
31									
Count	4	4		4		4			
Median	44/44	46		12		0.85			

Absorption Data

Method: A 1

Year 1972

Month 07

Station (circuit): Tbilissi

Geographic latitude: 41°44'N

longitude: 44°48'E

Frequency: MHz 2.2

Geomagnetic latitude: 36°30'

longitude: 122°12'

Date	L (dB) noon meas. /calc.	L(cos χ =1)		L(cos χ =0.2)		exponent n			τ (min.)	Notes
		a. m. mean	/p. m. (dB)	a. m. mean	/p. m. (dB)	a. m.	/p. m.	mean		
1										
2										
3										
4										
5										
6										
7										
8										
9										
10	/47	52	52 52	4	7	10	2.37	1.05	1.71	50
11										
12										
13										
14	/42	45				10		0.93		
15										
16										
17	44/44	47				6		1.29		
18										
19										
20										
21	42/42	45				9		1.03		
22										
23										
24	43/44	46	46 46	4	6	9	1.9	1.45	1.0	40
25										
26	/44	47				13		0.78		
27										
28	44/45	48				14		0.75		
29										
30										
31	49/49	56				12		0.96		
Count	8	8				8		8		
Median	44/44	47				10		10		45

Absorption Data

Method: A 1

Year: 1972

Month

08

Station (circuit): Tbilissi

Geographic latitude: 41°44'N

longitude: 44°48'E

Frequency: MHz 2.2

Geomagnetic latitude: 36°30'

longitude: 122°12'

Date	L (dB) noon meas. /calc.	L(cos χ =1) a. m. /p. m. mean (dB)		L(cos χ =0.2) a. m. /p. m. mean (dB)		exponent n a. m. /p. m. mean		τ (min.)	Notes
1									
2									
3									
4									
5									
6									
7									
8	59/63	68		21		0.74			
9									
10	51/56	63		10		1.35			
11									
12									
13									
14									
15									
16									
17									
18	44/45	45		14		0.68			
19									
20									
21									
22									
23	/43	49		10		1.03			
24									
25									
26									
27									
28									
29									
30									
31	46/40	47		10		0.93			
Count	5	5		5		5			
Median	48/45	49		10		0.93			

Absorption Data

Method: A :

Year: 1972

Month: IX

Station (circuit): Tbilissi

Geographic latitude: 41°44'N

longitude: 44°48'E

Frequency: MHz 2.2

Geomagnetic latitude: 36°30'

longitude: 123°12'

Date	L (dB)		L(cos χ =1)		L(cos χ =0.2)		exponent n			τ (min.)	Notes
	noon meas.	/calc.	a. m. mean	/p. m. (dB)	a. m. mean	/p. m. (dB)	a. m.	/p. m.	mean		
1											
2											
3											
4											
5											
6											
7	1/37		52		6				1.66		
8											
9											
10											
11	40/41		50 50 50		5 16 24			1.46 1.08 0.7		75	
12											
13	37/38		46		II			0.88			
14											
15											
16											
17											
18											
19											
20											
21											
22	36/36		42		18			0.62			
23											
24											
25	46/40		53		II			0.99			
26	28/30		35		15			0.52			
27	36/35		49		8			1.21			
28											
29	1/39		50		II			0.93			
30											
31											
Count	8		8		8			8			
Median	37/37		50		II			0.96		75	

Absorption Data

Method: A 1

Year: 1972

Month: XII

Station (circuit): Tbilissi

Geographic latitude: 41°44'N

longitude: 44°48'E

Frequency: MHz 2.2

Geomagnetic latitude: 36°30'

longitude: 122°12'

Date	L (dB)		L(cos χ =1)		L(cos χ =0.2)		exponent n			τ (min.)	Notes	
	noon meas. /calc.		a. m. mean	/p. m. (dB)	a. m. mean	/p. m. (dB)	a. m.	/p. m.	mean			
1	39/34		62		18		0,71					
2	35/38		60		25		0,56					
3												
4												
5												
6	35/36		58	52	45	24	28	32	0,55	0,39	0,22	35
7	41/39			70			23			0,69		
8	42/40	60	60	60	60	22	26	30	0,59	0,52	0,44	25
9												
10												
11	38/39		79	64	49	20	26	33	0,85	0,55	0,24	45
12	/42			82			28			0,77		
13												
14	/52			105			24			0,85		
15	54/43			84			24			0,78		
16												
17												
18												
19	44/46			120			18			1,04		
20												
21												
22												
23												
24												
25	47/48			81			30			0,63		
26	42/42			68			28			0,56		
27	/46			93			25			0,82		
28	/36			150			10			1,72		
29	36/36			210			8			2,04		
30												
31												
Count	15			15			15			15		
Median	41/40			81			25			0,71		35

Absorption Data

Method: A 1

Year: 1972

Month: XII

Station (circuit): Tbilissi

Geographic latitude: 41°44'N

longitude: 44°48' E

Frequency: MHz 1.7

Geomagnetic latitude: 36°30'

longitude: 123°12'

Date	L (dB)		L(cos χ =1)		L(cos χ =0.2)		exponent n			τ (min.)	Notes
	noon meas. /calc.	(dB)	a. m. mean	/p. m. (dB)	a. m. mean	/p. m. (dB)	a. m.	/p. m.	mean		
1	31/30		46		20		0.53				
2	26/32		51		21		0.55				
3											
4											
5											
6	34/37		60		23		0.59				
7	42/40		88 76 64		20 24 29		0.92	0.71	0.49	22	
8	37/42		86 86 86		16 22 28		1.15	0.93	0.71	35	
9											
10											
11	39/42		110 81 62		20 28 32		1.27	0.49	0.88	45	
12	/43		101		20		1.02				
13											
14	53/52		105		28		0.81				
15	43/44		90		23		0.83				
16											
17											
18											
19	/40		200 68 134		9 20 27		2.35	1.45	0.54	52	
20											
21											
22											
23											
24											
25	47/48		83		25		0.64				
26	46/45		89 76 62		26 32 37		0.77	0.55	0.32	30	
27	55/56		120		29		0.89				
28	35/36		180		9		1.92				
29	31/32		70		16		0.92				
30											
31											
Count	15		15		15		15				
Median	39/42		81		23		0.81			37	