

Казань
Казань

№ 59831-III

WSR*

январь 1977

Суточные характеристики К-ИНДЕКСОВ

Дата	Амплитуды			Характер С	К индекс								Дата	
	ΔD	ΔH	ΔZ		0-3	3-6	6-9	9-12	12-15	15-18	18-21	21-24		ΣК
1					3	3	2	3	4	3	3	4	25	
2					3	1	2	3	1	2	2	2	16	
3					1	2	2	2	2	3	3	3	18	
4					2	1	2	3	3	4	4	3	22	
5					3	3	1	2	3	4	3	4	23	
6					3	2	2	2	2	3	3	2	19	
7					2	2	2	2	2	2	2	2	16	
8					0	1	2	2	3	4	2	2	16	
9					1	1	2	2	2	3	2	2	15	
10					0	1	2	2	2	3	2	2	14	
11					0	1	0	2	3	6	4	3	19	
12					3	3	2	2	3	3	2	2	20	
13					2	3	2	2	2	2	2	2	17	
14					2	3	3	2	2	4	4	4	24	
15					3	3	3	2	3	4	3	2	23	
16					0	2	2	2	2	3	2	2	15	
17					1	0	2	2	3	3	1	2	14	
18					3	2	3	2	2	2	1	2	17	
19					2	1	2	2	1	3	3	3	17	
20					3	3	2	2	2	2	2	3	19	
21					3	1	2	2	2	2	0	0	12	
22					0	2	2	2	4	2	3	2	17	
23					1	2	1	1	2	1	3	4	15	
24					3	2	2	2	3	2	3	2	19	
25					0	2	2	2	4	2	3	3	18	
26					1	1	1	0	1	1	2	1	8	
27					0	1	0	3	2	2	2	2	12	
28					1	1	0	2	2	2	5	5	18	
29					4	2	2	3	2	3	2	2	20	
30					5	3	3	3	5	5	5	5	34	
31					4	2	3	2	4	1	2	1	19	
Среднее										K ₉ = 550				

Казань
Казань

Шмб 59832 - III

Февраль 1977

УСДХ

Суточные характеристики К-Индексов

Дата	Амплитуды			Характер С	К индекс								Дата		
	ΔD	ΔH	ΔZ		0-3	3-6	6-9	9-12	12-15	15-18	18-21	21-24		ΣК	
1					1	2	1	1	1	2	2	3	13		
2					3	2	3	3	3	2	3	3	22		
3					2	2	2	2	2	2	2	3	17		
4					2	1	2	2	2	2	1	1	13		
5					1	1	3	3	2	2	2	2	16		
6					2	1	2	2	3	3	4	5	22		
7					3	2	2	3	4	3	4	3	24		
8					3	2	2	2	3	4	4	4	24		
9					3	3	2	4	5	5	4	4	30		
10					3	2	2	3	4	3	1	3	21		
11					3	3	2	2	4	3	1	3	21		
12					2	1	2	2	2	1	2	2	14		
13					2	2	2	2	2	4	5	3	22		
14					2	2	2	2	3	3	4	3	21		
15					2	2	2	1	2	3	3	3	18		
16					2	3	2	2	1	1	2	1	14		
17					2	2	2	2	2	4	4	4	22		
18					4	4	3	2	3	3	3	3	25		
19					2	2	2	2	3	3	3	2	19		
20					2	1	2	2	2	2	2	3	16		
21															
22															
23															
24															
25															
26															
27															
28															
29															
30															
31															
Среднее															

kg = 550

Казань
Казань

Шмв 60186-III

Апрель 1977

Суточные характеристики К-индексов

Дата	Амплитуды			Характер С	К индекс									Дата	
	ΔD	ΔH	ΔZ		0-3	3-6	6-9	9-12	12-15	15-18	18-21	21-24	ΣК		
1					1	2	3	2	3	2	1	2	16		
2					2	1	3	2	2	2	1	3	16		
3					4	3	3	3	3	2	3	3	24		
4					4	5	4	3	3	4	4	4	31		
5					4	3	4	4	3	3	3	3	27		
6					4	3	3	3	3	6	5	6	33		
7					5	4	3	4	5	3	5	3	32		
8					4	3	3	3	4	4	4	3	28		
9					3	3	3	3	5	3	3	3	26		
10					3	3	3	3	3	4	3	3	25		
11					3	2	2	2	2	4	4	3	22		
12					3	2	3	3	2	3	3	4	23		
13					2	1	3	3	2	1	1	2	15		
14					3	2	3	3	2	3	3	3	22		
15					3	3	3	3	2	2	1	2	19		
16					2	3	2	2	3	4	5	3	24		
17					3	2	3	2	2	2	2	2	18		
18					2	3	3	3	3	3	3	1	21		
19					3	5	4	5	4	5	4	4	34		
20					4	4	5	3	3	5	3	3	30		
21					2	2	2	2	2	2	3	3	18		
22					2	2	2	2	2	3	2	1	16		
23					1	2	3	2	2	1	2	2	15		
24					2	2	3	3	2	4	3	3	22		
25					5	5	3	3	2	2	1	2	23		
26					2	2	2	2	2	2	1	2	15		
27					2	2	3	3	1	0	1	2	14		
28					2	2	2	2	2	2	2	2	16		
29					3	4	3	4	3	2	3	4	26		
30					3	3	3	2	2	2	3	3	21		
31															
Среднее															

$K_g = 550$

Казань
Казань

Май 1977

Суточные характеристики Н-индексов

Дата	Амплитуды			Характер С	К индекс									Дата	
	ΔD	ΔH	ΔZ		0-3	3-6	6-9	9-12	12-15	15-18	18-21	21-24	ΣK		
1					2	3	4	2	2	3	4	4	24		
2					4	4	2	4	5	7	5	6	37		
3					5	3	3	3	2	2	1	2	21		
4					2	3	3	2	3	6	5	4	28		
5					3	3	4	2	2	3	3	2	22		
6					3	2	3	3	3	3	3	2	22		
7					1	1	2	2	1	2	2	3	14		
8					1	2	2	2	1	2	1	2	13		
9					1	2	2	2	3	4	2	1	17		
10					2	2	3	3	3	3	2	3	21		
11					2	3	3	3	3	4	5	3	26		
12					3	5	4	3	3	2	2	1	23		
13					1	3	3	2	2	1	3	2	17		
14					2	3	3	2	2	1	3	3	19		
15					3	3	3	3	3	3	3	3	24		
16					4	4	4	4	3	4	4	4	31		
17					3	3	3	3	3	3	3	2	23		
18					3	3	3	3	3	2	3	0	20		
19					2	2	3	2	2	2	2	0	15		
20					2	2	2	2	3	3	3	2	19		
21															
22															
23															
24															
25															
26															
27															
28															
29															
30															
31															
Среднее															

Kg = 550

№ 6 61132-111

INTERNATIONAL UNION OF GEODESY AND GEOPHYSICS

INTERNATIONAL ASSOCIATION OF GEOMAGNETISM AND AERONOMY

INDICES OF GEOMAGNETIC ACTIVITY

OBSERVATORY... Kazan
 MONTH... June 19 77
 RANGE FOR K=9... 550... Y

SCALE-VALUES OF VARIOMETERS
 IN Y/MM
 D..... H..... Z.....

GR	K- INDICES FOR THREE-HOUR INTERVAL								SUM	
	00 ^h - 03 ^h	03 ^h - 06 ^h	06 ^h - 09 ^h	09 ^h - 12 ^h		12 ^h - 15 ^h	15 ^h - 18 ^h	18 ^h - 21 ^h		21 ^h - 24 ^h
1	2	3	3	3		3	3	3	3	23
2	3	2	2	2		4	3	3	3	22
3	2	2	2	2		3	I	I	2	15
4	2	2	2	3		3	I	I	0	14
5	2	2	3	3		3	2	I	I	17
6	2	2	2	3		2	I	0	2	14
7	2	2	3	2		2	I	3	2	17
8	2	2	2	2		3	3	2	2	18
9	I	2	3	2		2	2	2	3	17
10	3	3	3	3		3	I	I	2	19
11	2	3	2	3		2	2	I	2	17
12	2	2	2	2		2	2	2	2	16
13	2	2	2	2		3	2	2	2	17
14	4	2	3	3		2	2	2	2	20
15	2	2	2	3		2	2	2	I	16
16	2	2	2	3		4	4	3	2	22
17	3	3	3	2		3	3	I	2	20
18	2	2	3	3		3	3	3	3	22
19	2	2	3	3		3	3	2	3	21
20	3	3	3	3		3	2	2	2	21
21	I	3	2	3		3	2	2	2	18
22	3	2	2	2		4	4	3	2	22
23	3	3	2	2		3	3	2	2	20
24	2	3	2	2		2	2	2	2	17
25	I	2	2	2		2	2	2	2	15
26	2	2	3	3		2	2	I	2	17
27	2	2	2	3		2	2	2	2	17
28	2	2	3	4		4	3	3	2	23
29	3	2	2	2		2	2	2	2	17
30	3	2	3	3		2	3	3	2	21
31										

Unit 61537-III

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INTERNATIONAL UNION OF GEODESY AND GEOPHYSICS

INTERNATIONAL ASSOCIATION OF GEOMAGNETISM AND AERONOMY

INDICES OF GEOMAGNETIC ACTIVITY

OBSERVATORY. *Kazan*.....
 MONTH. *July*..... 19 *77*.
 RANGE FOR K=9..... Y

SCALE-VALUES OF VARIOMETERS
 IN Y/MM
 D..... H..... Z.....

GR	K- INDICES FOR THREE-HOUR INTERVAL								SUM	
	00 ^h - 03 ^h	03 ^h - 06 ^h	06 ^h - 09 ^h	09 ^h - 12 ^h	12 ^h - 15 ^h	15 ^h - 18 ^h	18 ^h - 21 ^h	21 ^h - 24 ^h		
1	3	2	3	4		2	3	2	2	21
2	3	3	3	3		3	3	3	3	24
3	2	2	3	3		4	3	2	2	21
4	2	3	3	3		2	2	1	3	19
5	1	2	3	3		3	3	2	2	19
6	2	2	4	5		5	5	4	4	31
7	4	3	4	3		2	2	2	2	22
8	2	3	2	4		3	3	3	4	24
9	3	3	3	4		2	3	3	3	24
10	3	3	3	3		3	3	3	4	25
11	3	3	3	3		3	2	3	2	22
12	2	2	2	2		2	1	1	2	14
13	2	3	2	2		3	2	3	2	19
14	3	5	3	4		4	2	2	2	25
15	2	3	2	3		3	3	2	3	21
16	3	2	4	4		5	5	3	4	30
17	3	3	4	3		2	3	4	4	26
18	2	2	2	2		3	2	2	2	17
19	3	2	4	4		4	4	3	3	27
20	3	4	4	4		4	4	3	3	29
21	-	-	-	-		-	-	-	-	-
22	-	-	-	-		-	-	-	-	-
23	-	-	-	-		-	-	-	-	-
24	-	-	-	-		-	-	-VI	-	-
25	-	-	-	-		-	-	-	-	-
26	-	-	-	-		-	-	-	-	-
27	-	-	-	-		-	-	-	-	-
28	-	-	-	-		-	-	-	-	-
29	-	-	-	-		-	-	-	-	-
30	-	-	-	-		-	-	-	-	-
31	-	-	-	-		-	-	-	-	-

61575-III

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INTERNATIONAL UNION OF GEODESY AND GEOPHYSICS

INTERNATIONAL ASSOCIATION OF GEOMAGNETISM AND AERONOMY

INDICES OF GEOMAGNETIC ACTIVITY

OBSERVATORY *Zaimushche (Kazam)* SCALE-VALUES OF VARIOMETERSMONTH *August* 19 *77* IN Y/MMRANGE FOR K=9..... *550* Y D..... H..... Z.....

GR DAY	K- INDICES FOR THREE-HOUR INTERVAL								SUM	
	00 ^h - 03 ^h	03 ^h - 06 ^h	06 ^h - 09 ^h	09 ^h - 12 ^h	12 ^h - 15 ^h	15 ^h - 18 ^h	18 ^h - 21 ^h	21 ^h - 24 ^h		
1	I	2	2	2		3	3	I	2	I6
2	2	2	I	2		2	2	I	2	I4
3	2	2	I	I		2	3	3	2	I6
4	2	3	2	2		3	2	4	3	2I
5	3	3	5	4		4	4	4	3	30
6	4	3	3	3		3	3	4	3	26
7	2	2	3	3		3	4	3	3	23
8	3	3	3	3		2	2	2	3	2I
9	4	3	2	3		4	3	4	3	26
10	3	3	2	3		2	2	4	2	2I
11	3	3	3	3		4	4	4	4	28
12	I	3	3	3		3	3	2	3	2I
13	3	2	2	3		3	2	2	3	20
14	2	2	3	3		4	3	3	2	22
15	2	3	3	3		2	2	2	2	I9
16	2	I	I	2		4	3	3	2	I8
17	3	2	4	5		5	4	4	4	3I
18	4	3	3	2		4	3	4	2	25
19	4	4	3	3		3	4	3	4	28
20	3	3	3	3		3	2	2	2	2I
21	I	I	2	2		2	I	I	I	II
22	I	I	I	2		2	2	2	3	I4
23	2	2	3	3		3	4	3	2	22
24	2	2	2	3		4	3	2	I	I9
25	I	2	3	5		5	6	4	3	29
26	3	3	2	3		4	2	3	I	2I
27	2	3	3	3		2	3	4	3	23
28	2	2	2	3		3	3	2	I	I8
29	2	2	2	2		2	I	I	2	I4
30	I	I	I	2		2	3	2	2	I4
31	I	2	2	2		I	I	I	2	I2

INDICES OF GEOMAGNETIC ACTIVITY

OBSERVATORY: *Zaimishche (Kazan)* SCALE-VALUES OF VARIOMETERS
 MONTH: *September* 19 *77* IN Y/MM
 RANGE FOR K=9.....*550* Y D..... H..... Z.....

GR	K- INDICES FOR THREE-HOUR INTERVAL										SUM
	00h-03h	03h-06h	06h-09h	09h-12h	12h-15h	15h-18h	18h-21h	21h-24h			
1	2	I	I	2		I	I	I	I		I0
2	I	I	2	3		2	3	2	3		I7
3	3	3	2	3		2	I	I	2		I7
4	2	2	3	3		2	2	2	I		I7
5	I	I	2	2		2	I	I	I		II
6	I	I	2	3		2	I	I	2		I3
7	I	I	2	2		2	I	3	4		I6
8	3	I	3	3		3	2	2	3		20
9	2	2	3	3		3	3	4	2		22
10	3	3	2	4		2	2	3	4		23
11	3	2	3	3		3	4	5	3		26
12	I	2	2	2		I	I	2	3		I4
13	3	2	3	3		2	3	4	3		23
14	2	2	I	2		I	I	3	2		I4
15	2	2	2	3		2	2	I	I		I5
16	I	2	I	3		2	2	3	2		I6
17	I	2	3	2		2	3	I	2		I6
18	2	I	2	3		2	I	I	2		I4
19	I	2	2	4		6	5	6	5		3I
20	4	3	3	3		4	5	5	4		3I
21	3	4	4	5		5	3	4	6		34
22	6	4	3	4		5	6	6 ^B	4		38
23	2	2	3	3		5	5	5	4		29
24	3	3	3	3		2	4	2	4		24
25	2	2	3	3		I	3	3	3		20
26	2	2	3	4		3	4	4	4		26
27	5	4	4	2		2	2	2	I		22
28	I	2	3	3		3	4	2	2		20
29	I	2	2	I		I	I	I	I		I0
30	I	2	I	2		2	2	2	2		I4
31											

61924/11 052 *

INTERNATIONAL UNION OF GEODESY AND GEOPHYSICS
INTERNATIONAL ASSOCIATION OF GEOMAGNETISM AND AERONOMY

INDICES OF GEOMAGNETIC ACTIVITY

OBSERVATORY... *Kozan...*
MONTH... *October* 19 *77*
RANGE FOR K=9..... *550* Y

SCALE-VALUES OF VARIOMETERS
IN Y/MM
D..... H..... Z.....

GR DAY	K- INDICES FOR THREE-HOUR INTERVAL								SUM	
	00 ^h - 03 ^h	03 ^h - 06 ^h	06 ^h - 09 ^h	09 ^h - 12 ^h		12 ^h - 15 ^h	15 ^h - 18 ^h	18 ^h - 21 ^h		21 ^h - 24 ^h
1	3	3	3	2		2	2	1	1	17
2	2	2	2	3		2	1	0	2	14
3	0	2	3	3		3	2	2	1	16
4	2	3	2	1		2	1	2	2	15
5	2	2	2	3		2	3	2	1	17
6	2	2	2	2		2	3	2	2	17
7	1	1	0	2		0	1	0	1	8
8	1	1	2	1		2	2	3	1	13
9	1	0	2	2		1	1	2	1	10
10	1	0	2	2		1	1	2	3	12
11	2	2	2	2		2	2	3	4	19
12	3	4	3	4		4	4	3	2	27
13	2	3	2	3		4	3	1	2	20
14	2	2	2	3		2	2	3	4	20
15	4	2	4	4		2	3	4	3	26
16	2	2	2	2		2	2	3	3	18
17	2	2	2	2		3	4	3	3	21
18	3	3	3	2		3	3	4	4	25
19	5	4	3	3		4	4	3	2	28
20	1	1	2	3		3	3	2	3	18
21	2	1	3	2		2	3	2	3	18
22	4	3	3	3		4	4	3	4	28
23	2	2	2	2		0	0	3	3	14
24	2	2	3	3		1	2	2	3	18
25	3	1	2	2		1	2	2	3	16
26	2	2	2	2		1	2	0	3	14
27	4	2	3	5		5	5	6	5	35
28	5	6	4	3		3	4	3	2	30
29	2	2	2	2		4	4	1	2	19
30	2	2	2	2		2	5	3	2	20
31	2	2	1	2		2	2	2	2	15

62404-III

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INTERNATIONAL UNION OF GEODESY AND GEOPHYSICS
INTERNATIONAL ASSOCIATION OF GEOMAGNETISM AND AERONOMY

INDICES OF GEOMAGNETIC ACTIVITY

OBSERVATORY, *Kazan (Kair)*
MONTH, *November* 19 *77*
RANGE FOR K=9..... *550*

SCALE-VALUES OF VARIOMETERS
IN Y/MM
D..... H..... Z.....

GR DAY	K- INDICES FOR THREE-HOUR INTERVAL								SUM	
	00 ^h - 03 ^h	03 ^h - 06 ^h	06 ^h - 09 ^h	09 ^h - 12 ^h	12 ^h - 15 ^h	15 ^h - 18 ^h	18 ^h - 21 ^h	21 ^h - 24 ^h		
1	2	2	3	2		2	2	I	2	I6
②	2	2	3	2		I	3	3	2	I8
3	I	2	2	2		I	3	3	I	I5
4	I	3	2	2		2	5	3	3	2I
5	4	3	2	2		2	3	3	3	22
6	2	3	2	2		2	3	I	2	I7
7	2	2	2	2		3	2	2	2	I7
8	2	2	2	2		2	2	3	2	I7
⑨	I	2	2	2		I	2	3	2	I5
10	0	3	2	I		3	4	2	3	I8
11	3	2	2	2		2	2	2	2	I7
12	3	3	3	2		3	4	3	3	24
13	3	3	2	3		6	6	3	3	29
14	3	3	4	4		5	5	5	6	35
15	6	3	2	4		4	4	3	4	30
16	4	2	2	4		5	4	4	3	28
⑩	2	2	2	2		I	I	I	3	I4
18	2	2	2	2		3	2	2	3	I8
19	2	3	2	2		2	2	3	3	I9
20	2	2	2	I		I	I	2	3	I4
⑪	2	2	2	I		I	2	2	2	I4
22	I	2	2	2		0	2	2	2	I3
23	0	3	2	2		I	I	I	2	I2
24	I	2	2	I		0	2	I	2	II
25	I	2	2	I		3	3	5	5	22
26	5	4	2	3		3	3	2	3	25
27	4	2	2	2		2	2	3	2	I9
⑫	2	2	2	2		I	2	I	I	I3
29	2	3	2	2		2	I	2	2	I6
30	2	2	3	2		2	2	2	2	I7
31										

62894-III

452*

INTERNATIONAL UNION OF GEODESY AND GEOPHYSICS

INTERNATIONAL ASSOCIATION OF GEOMAGNETISM AND AERONOMY

INDICES OF GEOMAGNETIC ACTIVITY

OBSERVATORY *Kazan (raiva)*
 MONTH *December* 19 *77*

SCALE-VALUES OF VARIOMETERS

RANGE FOR K=9.....*550*..... Y

IN Y/MM
 D..... H..... Z.....

GR DAY	K- INDICES FOR THREE-HOUR INTERVAL										SUM
	00 ^h - 03 ^h	03 ^h - 06 ^h	06 ^h - 09 ^h	09 ^h - 12 ^h		12 ^h - 15 ^h	15 ^h - 18 ^h	18 ^h - 21 ^h	21 ^h - 24 ^h		
1	2	2	2	2		2	3	4	3		20
2	6	6	3	4		4	7	7	5		42
3	4	2	2	2		3	2	3	2		20
4	I	I	I	I		2	4	4	4		I8
5	3	4	3	2		2	I	2	2		I9
6	2	2	2	2		I	I	I	I		I2
7	I	2	2	2		I	I	2	2		I3
(8)	I	I	2	2		I	I	I	I		I0
9	I	2	2	2		I	I	I	I		II
10	I	I	2	2		2	I	2	3		I4
11	4	4	4	4		5	5	4	4		34
12	4	3	2	2		3	2	4	3		23
13	3	3	2	2		4	5	4	2		25
14	2	2	2	2		3	3	2	I		I7
(15)	I	I	I	2		3	I	I	I		II
16	0	I	I	I		2	3	3	5		I6
17	4	4	2	2		2	I	2	I		I8
(18)	I	I	2	2		I	I	I	I		I0
19	0	I	I	2		2	2	I	I		I0
20	I	I	I	I		2	I	2	I		I0
21	I	I	I	I		2	2	3	3		I4
22	3	I	I	I		2	I	2	I		I2
23	I	I	I	I		2	I	I	2		I0
(24)	2	I	I	2		I	I	I	I		I0
25	I	I	I	2		2	2	4	2		I5
26	2	2	2	3		2	2	4	2		I9
(27)	2	2	I	2		2	3	I	I		I4
28	I	I	I	2		2	2	5	4		I8
29	3	2	2	2		2	I	I	3		I6
30	2	2	I	2		2	I	3	2		I5
31	I	I	2	2		3	2	2	3		I6