

INDICES OF GEOMAGNETIC ACTIVITY

no Major

OBSERVATORY

Klyuchi (Noodsibirsk)

VALUES OF VARIOMETERS

MONTH

January 19 78

IN Y.M.M

RANGE FOR K=9..... Y

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	I	2	2	I		I	3	3	3	I6
2	2	2	I	I		I	I	I	I	I0
3	0	0	I	I		2	3	4	5	I6
4	5	4	4	5		6	6	7	5	42
5	5	4	3	2		I	3	3	3	24
6	6	4	3	3		2	3	4	4	29
7	3	3	I	I		2	3	I	4	I8
8	3	2	3	4		3	4	I	3	23
9	I	I	3	3		3	4	4	6	25
10	4	3	2	3		2	3	3	3	23
11	I	I	I	3		3	2	I	0	I2
12	0	I	0	0		I	0	2	2	6
13	I	2	I	2		2	2	2	3	I5
(14)	I	0	0	0		0	0	I	2	4
(15)	0	0	I	I		I	0	0	I	4
16	0	I	2	2		5	4	3	4	2I
17	3	2	I	I		I	I	I	3	I3
18	3	2	2	2		2	I	0	I	I3
19	I	I	2	2		2	2	2	I	I3
20	2	I	I	I		I	I	I	0	8
(21)	0	0	I	I		0	0	0	I	3
(22)	I	0	I	I		I	0	0	0	4
23	0	2	I	I		0	2	I	0	7
24	I	0	I	I		2	3	2	0	I0
25	0	I	I	3		2	3	3	3	I6
26	4	2	2	2		2	I	2	I	I6
(27)	I	I	I	I		0	0	I	I	6
28	0	I	I	I		I	4	3	3	I4
29	2	3	3	4		5	5	4	2	28
30	2	3	5	6		4	I	3	3	27
31	3	2	2	3		4	4	3	3	24

[illegible]

64415-III №186*

МАРТ 1978 г. КЛЮЧИ (НОВОСИБИРСК)

Суточные характеристики

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	2	2	4	5	5	4	4	29	I
2					3	2	3	3	3	4	4	2	24	2
3					3	2	2	3	3	3	3	3	22	3
4					I	2	I	IM	0	0	0	0	5	(4)
5					0	0	I	2	3	3	3	I	13	5
6					0	I	I	2	3	2	I	I	11	6
7					I	I	I	3	3	3	I	2	15	7
8					I	I	2	I	4	3	6	4	22	8
9					3	2	2	3	I	3	3	2	19	9
10					I	I	3	3	4	2	3	I	18	10
11					2	I	2	3	2	2	3	I	16	11
12					I	0	I	I	I	0	I	I	6	(12)
13					2	3	I	2	3	2	3	2	18	13
14					2	I	2	2	2	2	3	2	16	14
15					3	3	3	2	2	3	3	3	22	15
16					3	4	3	2	3	3	3	4	25	16
17					3	3	3	2	5	5	4	2	27	17
18					3	4	3	4	4	4	3	3	28	18
19					2	3	I	4	4	3	I	2	20	19
20					2	I	I	2	3	2	3	2	16	20
21					I	I	I	I	2	I	I	I	9	(21)
22					I	2	3	3	2	2	4	4	21	22
23					4	2	3	3	2	3	I	0	18	23
24					I	I	2	I	I	I	2	2	11	(24)
25					I	2	2	I	I	I	2	I	11	25
26					5	4	2	3	5	5	5	3	32	26
27					5	4	3	4	5	5	4	5	35	27
28					3	3	2	3	4	3	2	I	21	28
29					2	I	3	4	3	3	I	I	18	29
30					2	3	3	3	4	2	2	3	22	30
31					I	I	2	I	3	3	2	2	15	31
Среднее														

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INTERNATIONAL UNION OF GEODESY AND GEOPHYSICS

INTERNATIONAL ASSOCIATION OF GEOMAGNETISM AND AERONOMY

INDICES OF GEOMAGNETIC ACTIVITY

OBSERVATORY *Klyuchi (Novosibirsk)* VALUES OF VARIOMETERS
 MONTH *April* 19 *78* IN Y MM
 RANGE FOR K=9.....*350*... Y 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	4	2	2	2		I	3	2	I	I7
2	3	4	2	2		2	3	3	3	22
3	3	4	3	4		4	5	4	4	3I
4	3	3	4	2		2	5	5	6	30
5	3	3	3	2		2	2	3	2	20
(6)	2	2	2	2		2	2	2	2	I6
(7)	2	2	2	I		I	I	2	2	I3
(8)	2	3	I	I		2	2	2	I	I4
(9)	I	2	2	2		I	I	2	2	I3
10	I	2	3	2		4	4	4	6	26
11	5	4	3	3		3	4	5	4	3I
12	5	3	4	3		2	3	3	2	25
13	2	3	2	3		4	3	4	5	26
14	4	3	3	4		5	4	4	4	3I
15	3	2	3	3		3	3	2	2	2I
(16)	3	3	2	2		I	2	2	2	I7
17	3	I	2	2		3	2	2	2	I7
18	3	4	4	I		2	3	3	3	23
19	3	3	3	3		5	4	4	4	29
20	5	3	3	3		2	4	3	2	25
21	2	3	2	2		4	2	2	3	20
22	3	3	3	3		2	2	2	3	2I
23	3	3	3	3		3	5	3	4	27
24	5	4	4	3		4	5	2	4	3I
25	4	3	3	2		2	3	3	2	22
26	3	3	3	3		3	3	4	2	24
27	3	3	3	2		2	4	2	4	23
28	3	3	3	2		3	2	2	2	20
29	3	3	3	2		2	2	3	3	2I
30	3	3	2	5		5	6	3	4	3I
31										

INDICES OF GEOMAGNETIC ACTIVITY

OBSERVATORY *Hlyuchi (Novosibirsk)* VALUES OF VARIOMETERS

MONTH *may* 19 *78*

IN Y/MM

RANGE FOR K=9 *350* 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	3	3	4	5		6	4	5	6	36
2	5	4	6	5		5	4	3	4	36
3	4	4	4	4		5	5	4	6	36
4	5	5	6	4		5	3	3	3	34
5	2	I	I	I		I	I	I	3	II
6	I	2	2	I		2	2	2	2	I4
7	3	2	2	3		I	2	3	2	I8
8	2	I	I	2		2	4	4	3	I9
9	4	4	6	5		5	6	4	2	36
10	2	I	I	I		2	I	2	3	I3
11	3	3	2	2		2	3	3	2	20
12	3	2	3	3		3	2	3	3	22
13	3	I	2	I		2	I	2	3	I5
14	3	2	2	2		2	2	3	2	I8
15	2	I	I	3		2	2	I	I	I3
(16)	2	I	I	2		2	2	I	2	I3
17	2	2	2	2		2	2	2	2	I6
(18)	2	I	2	2		2	2	2	I	I4
19	I	I	2	2		2	2	I	2	I3
20	I	2	2	2		I	3	3	2	I6
21	2	3	2	2		3	2	5	5	24
22	3	2	3	3		2	3	4	4	24
23	3	2	2	2		2	3	3	4	2I
24	4	2	3	4		3	3	2	2	23
25	3	3	2	I		3	2	I	3	I8
26	2	2	2	3		2	2	2	I	I6
(27)	I	2	2	2		I	I	I	I	II
28	2	I	2	2		3	2	3	I	I6
29	I	I	2	2		2	I	4	3	I6
30	4	3	3	3		2	2	2	3	22
31	3	3	2	4		3	2	2	I	20

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INTERNATIONAL UNION OF GEODESY AND GEOPHYSICS

INTERNATIONAL ASSOCIATION OF GEOMAGNETISM AND AERONOMY

INDICES OF GEOMAGNETIC ACTIVITY

OBSERVATORY. *Klyuchi (Novosibirsk)* NAME OF VARIOMETERS

MONTH. *June* 19 *78*

IN Y-MM

RANGE FOR K=9..... *350* 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	2	3	2	3		2	2	1	3	18
2	2	2	4	7		6	6	6	4	37
3	5	5	4	4		3	2	4	2	29
4	3	2	2	3		4	3	3	4	24
5	4	4	3	3		3	2	3	3	25
6	3	2	3	3		3	1	2	2	19
7	2	3	4	3		3	2	4	3	24
8	3	3	2	2		2	3	2	2	19
(9)	2	1	2	2		1	2	1	1	12
10	2	2	4	4		3	4	3	4	26
11	4	3	5	4		2	2	1	1	22
12	2	2	3	3		3	2	3	1	19
13	2	3	3	2		2	1	1	1	15
(14)	1	2	1	2		2	1	2	1	12
(15)	2	2	2	3		2	2	1	2	16
16	2	2	1	2		2	1	2	2	14
17	2	3	3	3		2	2	2	1	18
18	2	1	3	4		3	3	2	3	21
19	3	3	2	3		2	3	3	3	22
20	3	2	3	3		3	2	2	3	21
21	4	4	3	3		3	4	4	3	28
22	4	3	3	3		3	3	3	1	23
23	3	3	3	4		2	2	4	4	25
24	4	3	2	3		3	3	3	2	23
25	3	2	4	4		2	3	4	3	25
26	3	5	5	4		4	3	4	3	31
27	3	3	4	2		3	1	2	2	20
28	2	3	2	2		3	3	2	3	20
29	2	2	2	3		2	3	3	6	23
30	3	2	3	3		3	3	3	2	22
31										

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INTERNATIONAL UNION OF GEODESY AND GEOPHYSICS

INTERNATIONAL ASSOCIATION OF GEOMAGNETISM AND AERONOMY

INDICES OF GEOMAGNETIC ACTIVITY

OBSERVATORY *Klyuchi (Novosibirsk)* NAME OF VARIOMETERS
 MONTH *JULY* 19 *78* IN Y/MM
 RANGE FOR K=9.....*350*. 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	2	I	2	3		2	I	I	I	I3
2	2	I	2	2		2	I	I	I	I2
3	I	I	3	3		2	I	2	3	I6
4	4	4	5	4		5	6	3	4	35
5	4	5	4	6		4	3	3	3	32
6	3	I	4	3		3	4	3	2	23
7	3	3	3	3		3	2	3	2	22
8	3	2	2	2		3	4	2	2	20
9	3	2	2	3		2	3	I	2	I8
10	2	2	4	4		3	I	I	3	20
11	2	I	2	5		2	I	I	2	I6
12	I	I	I	I		I	2	I	2	I0
13	3	3	4	3		3	2	2	3	23
14	4	4	4	5		5	5	4	3	34
15	3	3	2	2		I	I	I	2	I5
(16)	3	I	I	I		2	2	I	3	I4
17	2	2	2	3		2	2	I	2	I6
18	2	3	2	2		4	3	3	5	24
19	2	3	4	3		3	I	I	2	I9
20	2	I	2	I		I	I	I	2	II
(21)	2	2	I	2		2	I	I	2	I3
22	2	2	2	I		2	2	3	2	I6
23	3	3	2	I		2	I	3	2	I7
24	2	I	2	2		2	2	2	2	15
25	2	2	2	2		2	2	3	3	I8
26	2	2	2	2		2	I	I	2	I4
27	I	I	2	2		2	I	I	3	I3
28	2	2	3	3		2	I	I	I	I5
(29)	I	I	2	2		2	I	I	I	II
(30)	I	2	I	2		I	I	I	I	I0
(31)	2	I	I	I		I	I	I	I	9

INDICES OF GEOMAGNETIC ACTIVITY

OBSERVATORY *Klyuchi (Novosibirsk)* INDICES OF VARIOMETERS

MONTH *August* 19 *78*

IN Y/MM

RANGE FOR K=9.....350. 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	2	I	I	3		2	I	2	2	I4	
2	3	I	2	I		I	I	2	2	I3	
3	2	2	2	4		3	3	2	3	2I	
4	4	5	3	4		3	2	3	2	26	
5	2	3	3	3		4	2	4	3	24	
6	2	3	4	2		3	3	2	2	2I	
7	3	2	2	I		2	I	3	3	I7	
8	2	I	2	2		2	2	2	2	I5	
9	I	2	2	2		2	I	2	2	I4	
10	2	2	2	2		2	3	2	3	I8	
11	I	I	2	2		3	4	2	2	I7	
12	I	3	3	5		3	4	2	2	23	
13	3	3	2	3		4	2	2	2	2I	
14	2	0	I	2		2	I	I	I	I0	
(15)	I	2	I	2		2	I	2	I	I2	
(16)	2	I	2	I		I	I	2	I	II	
17	2	I	2	3		4	2	2	2	I8	
18	3	2	3	2		3	2	5	4	24	
19	3	I	3	3		3	3	2	2	20	
(20)	I	I	2	2		2	2	2	I	I3	
21	I	I	I	I		2	2	2	3	I3	
(22)	2	2	I	I		I	I	I	I	I0	
23	2	2	2	2		I	I	2	I	I3	
(24)	2	2	2	I		2	I	I	2	I3	
25	2	2	3	3		3	2	3	I	I9	
26	2	I	I	I		I	I	2	I	I0	
27	2	2	3	4		5	4	4	3	27	
28	3	5	6	6		7	5	4	3	39	
29	4	3	5	4		5	3	3	3	30	
30	3	3	3	4		4	4	5	4	30	
31	3	2	3	4		5	6	4	3	30	

INDICES OF GEOMAGNETIC ACTIVITY

OBSERVATORY *Niyuehi (nososibirsk)* VALUES OF VARIOMETERS

MONTH *September* 19 *78*

IN Y/MM

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

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	3	4	4		4	3	3	3	27
2	2	3	4	3		4	2	4	3	25
3	2	3	2	3		2	3	3	2	20
4	2	2	3	3		2	2	2	2	10
5	2	2	2	2		3	1	3	3	18
6	2	4	3	3		3	2	1	1	19
7	1	2	1	2		2	2	2	3	15
8	4	4	3	3		1	1	1	2	19
9	3	3	4	5		4	4	4	2	29
10	3	1	2	3		3	2	2	1	17
11	2	2	3	3		5	4	3	3	25
12	2	3	3	2		5	4	4	3	26
13	2	1	2	3		1	2	1	1	13
(14)	2	1	1	1		1	1	1	1	9
(15)	1	1	1	1		1	1	1	1	8
(16)	1	2	2	1		1	1	1	2	11
17	2	3	3	2		2	1	2	2	17
(18)	2	1	1	1		1	1	1	2	10
(19)	1	1	1	0		1	1	0	1	6
20	2	2	2	1		2	0	3	2	14
21	2	3	2	2		1	2	1	1	14
22	1	2	3	2		3	3	3	2	19
23	2	2	2	2		4	2	3	3	20
24	2	2	2	2		2	3	2	3	18
25	2	2	3	5		5	4	3	3	27
26	2	3	4	4		4	4	4	4	29
27	5	4	3	3		3	4	5	5	32
28	4	4	3	5		4	4	3	4	31
29	4	5	6	6		7	6	3	2	39
30	1	3	3	2		2	1	2	2	16
31										

INDICES OF GEOMAGNETIC ACTIVITY

OBSERVATORY *Hlyuchi (Novosibirsk)* SCALE VALUES OF VARIOMETERS
MONTH *October* 19 *78* IN Y/MM
RANGE FOR K=9 *350* 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	2	3	3	3		4	2	3	3	23
2	2	3	3	3		4	4	3	3	25
3	2	2	3	3		3	2	2	1	18
4	3	4	3	3		3	2	3	4	25
5	3	2	3	3		2	2	2	1	18
(6)	1	2	3	2		1	2	1	2	14
(7)	1	1	2	2		2	1	1	1	11
8	1	2	2	2		1	3	2	3	16
9	1	3	2	3		3	2	3	4	21
10	3	2	2	4		3	1	2	2	19
11	2	3	3	2		2	1	1	1	15
12	2	2	2	3		5	4	3	3	24
13	3	2	2	2		1	1	3	3	17
14	2	2	2	2		1	2	2	2	15
15	1	2	3	2		3	2	1	1	15
(16)	2	2	2	2		2	1	1	1	13
17	1	2	2	2		1	1	2	3	14
18	3	3	3	2		3	4	4	4	26
19	4	3	3	2		4	3	3	3	25
20	2	2	3	3		3	3	3	2	21
21	2	2	2	3		4	2	3	4	22
22	2	1	2	3		2	4	3	2	19
23	1	2	2	2		2	2	1	2	14
(24)	2	1	1	2		1	1	3	1	12
25	1	2	1	3		3	3	2	1	16
26	1	2	1	2		4	4	4	4	22
27	4	3	3	4		4	3	1	3	25
28	3	2	3	2		2	4	2	3	21
29	2	2	2	2		5	4	4	3	24
30	2	2	3	3		4	6	4	4	28
31	2	3	2	2		4	4	4	3	24

INTERNATIONAL UNION OF GEODESY AND GEOPHYSICS

INTERNATIONAL ASSOCIATION OF GEOMAGNETISM AND AERONOMY

INDICES OF GEOMAGNETIC ACTIVITY

OBSERVATORY. *Klyuchi (Novosibirsk)* STATION NAMES OF VARIOMETERS
MONTH. *November* ⁷⁸ IN Y/MM
RANGE FOR K=9 *350* Y D..... H..... Z.....

RANGE FOR K = 9 **350** Y

D..... H..... Z.....

[illegible]

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INTERNATIONAL UNION OF GEODESY AND GEOPHYSICS

INTERNATIONAL ASSOCIATION OF GEOMAGNETISM AND AERONOMY

INDICES OF GEOMAGNETIC ACTIVITY

OBSERVATORY *K. Lyuchik (Novosibirsk)* VALUES OF VARIOMETERSMONTH *December* 19 *78*

IN Y/MM

RANGE FOR K=9 *350*..... 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	2	2	3	3		2	2	2	2	18
2	I	I	I	I		0	I	0	I	6
3	I	I	I	I		I	3	2	I	11
4	I	I	I	2		2	3	3	3	16
5	2	I	2	I		I	I	2	2	12
6	I	2	I	I		I	I	2	I	10
7	I	I	I	I		0	I	0	0	5
8	0	I	I	2		I	I	I	I	8
(9)	I	I	I	I		I	2	I	I	9
(10)	0	I	I	I		0	I	I	I	6
(11)	0	I	I	I		0	0	0	0	3
12	0	I	I	I		3	2	2	2	12
13	3	2	3	I		I	I	I	I	13
14	3	4	4	3		3	3	2	2	24
15	3	4	4	3		4	4	2	2	26
16	2	2	3	3		2	4	4	2	22
17	2	2	2	I		2	0	2	3	14
18	3	3	4	4		5	5	5	4	33
19	4	2	2	2		5	4	4	3	26
20	3	2	3	5		4	4	4	3	282
21	2	I	2	3		3	2	2	I	16
22	I	3	4	4		3	4	3	2	24
23	I	I	I	I		2	3	I	0	10
(24)	2	I	2	2		I	I	I	2	12
25	2	2	3	2		6	4	2	2	23
26	I	I	3	3		3	3	3	I	18
27	4	3	2	I		3	3	3	I	20
28	I	2	I	I		I	5	4	2	17
29	I	2	I	2		3	6	4	4	23
30	3	4	3	2		4	3	5	4	28
31	3	2	3	2		3	2	3	2	20