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

## INDICES OF GEOMAGNETIC ACTIVITY

OBSERVATORY *Bereznayaki (Haraganda)* VALUES OF VARIOMETERSMONTH *January* 19 *79*

IN Y/MM

RANGE FOR K=9... *350* ... Y

D.....

H.....

Z.....

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



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INTERNATIONAL UNION OF GEODESY AND GEOPHYSICS

INTERNATIONAL ASSOCIATION OF GEOMAGNETISM AND AERONOMY

## INDICES OF GEOMAGNETIC ACTIVITY

OBSERVATORY *Bereznaya ki (Kharaganda)* ALTITUDE IN METERSMONTH *March* 19 *79*

IN Y MM

RANGE FOR K=9..... 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	I	I	2	2	I	I	2	I	I1
2	2	I	1	2	2	I	2	2	I3
3	2	0	I	1	2	2	2	2	I2
4	2	I	2	3	2	3	3	3	I9
5	2	2	2	2	0	I	2	I	I2
6	I	2	2	3	3	3	3	3	20
(7)	I	I	2	I	0	0	1	2	8
(8)	I	I	0	1	I	0	1	I	6
9	2	I	2	2	I	I	2	2	I3
10	2	2	2	2	3	3	4	4	22
11	2	I	I	2	2	2	I	I	I2
12	2	1	1	2	I	I	I	I	8
13	I	I	1	1	1	I	I	0	7
(14)	I	1	2	1	0	0	1	0	6
15	I	1	2	1	2	2	1	1	11
16	2	I	1	1	1	I	I	1	9
17	2	2	3	2	2	I	I	I	I4
18	1	2	2	I	2	I	1	I	11
19	1	I	2	1	2	2	I	1	11
(20)	I	I	I	I	I	0	I	I	7
(21)	1	1	2	0	0	0	I	1	6
22	I	I	2	4	3	3	2	I	17
23	2	I	I	I	I	I	I	2	I0
24	I	I	2	2	I	I	2	2	I2
25	3	2	2	2	2	2	2	2	I7
26	2	2	2	2	2	2	3	2	I7
27	I	I	2	2	2	2	3	3	I6
28	2	1	3	3	2	3	2	3	I9
29	3	2	3	3	2	3	4	3	23
30	2	2	I	2	2	I	I	I	I2
31	2	2	2	I	2	2	2	3	I6



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INTERNATIONAL UNION OF GEODESY AND GEOPHYSICS

INTERNATIONAL ASSOCIATION OF GEOMAGNETISM AND AERONOMY

INDICES OF GEOMAGNETIC ACTIVITY

OBSERVATORY *Bereznoyaki (Kazoganda)* LOCAL TIME OF OBSERVATION

MONTH *may* 19 *79* IN Y/MM

RANGE FOR K=9..... Y..... D..... H..... Z.....

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



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INTERNATIONAL UNION OF GEODESY AND GEOPHYSICS

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INDICES OF GEOMAGNETIC ACTIVITY

OBSERVATORY *Bereznayaki (Kharaganda)* SCALE - UNITS OF VARIOMETERS  
 MONTH *July* 19 *79* IN Y/MM  
 RANGE FOR K=9 *350* γ D..... H..... Z.....

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

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INTERNATIONAL UNION OF GEODESY AND GEOPHYSICS  
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INDICES OF GEOMAGNETIC ACTIVITY

OBSERVATORY. *Bereznayaki (Koroganda)* NUMBER OF VARIOMETERS  
MONTH. *August* 19 *79* IN Y/MM  
RANGE FOR K=9..... *350* Y D..... H..... Z.....

GR DAY	K- INDICES FOR THREE-HOUR INTERVAL								SUM	
	00 <sup>h</sup> - 03 <sup>h</sup>	03 <sup>h</sup> - 06 <sup>h</sup>	06 <sup>h</sup> - 09 <sup>h</sup>	09 <sup>h</sup> - 12 <sup>h</sup>		12 <sup>h</sup> - 15 <sup>h</sup>	15 <sup>h</sup> - 18 <sup>h</sup>	18 <sup>h</sup> - 21 <sup>h</sup>		21 <sup>h</sup> - 24 <sup>h</sup>
1	2	3	I	4		5	3	2	4	24
2	2	3	4	2		2	3	2	I	I9
3	2	4	4	3		3	3	0	2	2I
4	3	4	4	3		3	2	3	3	25
5	3	2	2	3		I	I	2	3	I7
6	3	3	4	4		3	3	3	2	25
7	2	3	3	3		3	2	3	2	2I
8	2	2	2	0		2	I	2	2	I3
9	2	2	I	I		2	I	2	0	II
10	2	3	2	2		3	3	3	2	20
11	3	I	2	2		2	3	3	3	I9
12	3	3	3	4		2	2	4	4	25
13	4	2	4	5		6	6	5	5	36
14	2	I	3	I		I	I	2	I	I2
15	I	I	2	I		I	I	I	0	8
16	I	I	2	2		I	I	I	I	I0
17	2	2	4	2		I	2	2	I	I6
18	I	2	I	3		I	2	2	4	I6
19	5	3	4	5		3	4	3	3	30
20	3	2	4	4		3	6	6	3	3I
21	4	2	2	3		3	2	3	2	2I
22	2	3	2	3		4	2	3	I	20
23	I	2	2	2		2	0	2	I	I2
24	0	3	3	3		3	3	3	3	2I
25	I	3	3	4		4	4	4	4	27
26	4	3	4	3		3	3	4	0	24
27	3	3	3	3		3	3	3	2	23
28	3	3	3	3		2	3	I	I	I9
29	I	5	3	5		6	6	4	5	35
30	4	4	3	3		2	0	0	I	I7
31	2	3	3	3		3	3	2	3	22





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## INDICES OF GEOMAGNETIC ACTIVITY

OBSERVATORY *Bereznayaki (Karaganda)* SCALAR VALUE OF K INDEX IN GAMMA METERSMONTH *October* 19...*79*

IN Y:MM

RANGE FOR K+9.....*350*... Y

D.....

H.....

Z.....

GR DAY	K- INDICES FOR THREE-HOUR INTERVAL								SUM	
	00 <sup>h</sup> - 03 <sup>h</sup>	03 <sup>h</sup> - 06 <sup>h</sup>	06 <sup>h</sup> - 09 <sup>h</sup>	09 <sup>h</sup> - 12 <sup>h</sup>		12 <sup>h</sup> - 15 <sup>h</sup>	15 <sup>h</sup> - 18 <sup>h</sup>	18 <sup>h</sup> - 21 <sup>h</sup>		21 <sup>h</sup> - 24 <sup>h</sup>
1	3	I	3	4		3	3	0	0	I7
2	I	0	2	2		2	3	4	3	I7
3	3	3	3	2		2	4	2	I	20
4	I	I	3	4		I	0	0	0	I0
5	I	I	3	2		2	3	2	3	I7
6	3	2	3	4		5	5	3	2	27
7	3	4	4	3		5	5	4	4	32
8	5	4	3	5		4	5	4	5	35
9	5	2	3	4		4	2	3	2	25
10	3	3	4	I		5	2	3	3	24
11	3	3	3	3		3	3	3	I	22
12	3	2	3	3		3	2	3	4	23
13	3	3	3	2		3	3	3	2	22
14	3	2	3	3		2	2	0	0	I5
15	2	2	3	3		3	3	3	3	22
16	2	2	I	I		2	0	I	0	9
17	0	0	2	0		0	0	0	0	2
18	0	I	I	0		0	0	0	0	2
19	I	3	2	2		2	2	I	2	I5
20	2	I	2	3		2	3	2	I	I6
21	I	I	2	0		I	3	2	3	I3
22	2	3	3	3		3	4	2	I	2I
23	2	2	I	2		2	3	I	3	I6
24	3	3	2	3		3	3	3	2	22
25	2	3	2	I		3	3	3	4	2I
26	2	I	3	2		3	I	I	3	I6
27	2	2	I	I		I	I	2	I	II
28	I	2	3	3		4	2	I	3	I9
29	3	3	2	2		I	3	4	2	20
30	I	I	I	I		I	0	0	0	5
31	0	2	2	2		2	3	3	I	I5

