

Urb 63615-III

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INTERNATIONAL UNION OF GEODESY AND GEOPHYSICS

INTERNATIONAL ASSOCIATION OF GEOMAGNETISM AND AERONOMY

INDICES OF GEOMAGNETIC ACTIVITY

OBSERVATORY: *K. Pakhra (Moscow)* DATE-VALUES OF VARIOMETERS

MONTH: *January* 19 *78*

IN Y/MM

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

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

GR	K- INDICES FOR THREE-HOUR INTERVAL										SUM
	DAY	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	3	4		20
(2)	3	2	2	2		I	I	2	2		15
3	2	I	2	2		3	4	4	4		22
4	5	4	5	5		6	7	7	6		45
5	6	4	3	3		3	3	3	4		29
6	5	4	4	3		3	4	5	4		32
7	3	2	2	2		2	4	2	4		21
8	5	3	3	4		4	4	2	3		28
9	3	2	3	3		3	5	4	5		28
10	5	3	3	3		3	4	3	4		28
11	2	3	2	3		3	2	I	I		17
12	2	2	2	I		I	I	2	3		14
13	2	3	I	3		2	3	3	3		20
14	2	2	I	2		I	I	I	2		12
(15)	2	2	I	I		2	I	I	I		11
16	I	I	2	3		5	5	4	5		26
17	4	3	2	2		2	2	2	4		21
18	4	3	2	3		2	2	I	2		19
19	2	2	2	2		3	3	2	3		19
(20)	2	2	2	2		2	2	I	I		14
21	I	I	2	2		I	I	I	I		10
(22)	I	I	I	2		2	2	I	I		11
23	I	2	2	2		I	2	2	I		13
24	I	I	I	2		2	4	3	I		15
25	I	2	2	3		3	3	4	4		22
26	4	2	3	3		2	2	2	2		20
(27)	2	2	2	2		2	I	3	2		16
28	2	2	2	2		2	4	4	3		21
29	3	3	3	4		5	5	4	3		30
30	3	3	4	5		3	2	3	5		28
31	4	3	3	3		4	5	3	4		29

63796-III u 53*

INTERNATIONAL UNION OF GEODESY AND GEOPHYSICS

INTERNATIONAL ASSOCIATION OF GEOMAGNETISM AND AERONOMY

INDICES OF GEOMAGNETIC ACTIVITY

OBSERVATORY: *Mr. Pokhra (Moscow)* SCALE-VALUES OF VARIOMETERS
 MONTH: *February* 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	2	3		3	4	4	4		26
2	3	3	2	3		2	I	2	4		20
3	3	2	2	3		3	3	4	2		22
4	3	3	2	3		2	2	3	2		20
5	3	3	3	4		3	4	5	2		27
6	3	2	2	3		4	4	3	3		24
7	2	2	2	3		2	3	3	3		20
8	2	2	2	3		3	4	3	4		23
9	2	2	3	4		4	4	4	5		28
10	2	2	2	2		2	2	3	2		I7
11	2	2	2	2		2	2	I	2		I5
12	2	2	2	2		2	3	3	5		2I
13	3	3	3	2		2	3	2	I		I9
14	2	2	2	3		3	3	2	4		2I
15	4	5	5	6		3	3	2	2		30
16	2	2	2	2		3	3	3	3		20
17	4	2	2	2		2	2	3	3		20
18	2	2	3	3		3	4	4	3		24
19	2	3	2	2		3	3	3	4		22
20	3	2	3	2		3	2	3	3		2I
21	3	3	3	3		2	5	3	4		26
22	4	3	4	2		2	5	3	5		28
23	2	2	2	2		2	2	I	3		I6
24	2	2	2	3		2	2	2	I		I6
25	I	2	2	3		2	2	5	4		2I
26	4	4	3	4		5	5	5	4		34
27	4	3	3	3		5	6	5	5		34
28	3	4	3	3		3	5	6	5		32
29											
30											
31											

64407-III и 53*

МАРТ 1978 г. КРАСНАЯ ПАХРА (МОСКВА)

K₉=550

Суточные характеристики

Дата	Амплитуды			Характер С	K-индекс									Дата
	ΔD	ΔFP	ΔZ		0-3	3-6	6-9	9-12	12-15	15-18	18-21	21-24	ΣK	
1					3	3	3	4	5	5	6	5	34	I
2					4	3	4	4	3	3	4	3	28	2
3					3	3	3	3	3	3	4	4	26	3
4					2	3	3	2	2	2	I	I	I6	(4)
5					I	I	2	3	3	3	3	2	I8	5
6					2	I	2	3	3	3	2	2	I8	(6)
7					2	3	3	3	3	3	2	3	22	7
8					2	I	2	3	5	3	6	4	26	8
9					3	3	3	3	2	2	4	3	23	9
10					2	2	4	3	4	3	3	I	22	10
11					I	3	3	3	2	3	3	2	20	(II)
12					2	2	2	2	2	I	2	2	I5	(I2)
13					3	3	3	3	3	3	4	3	25	I3
14					2	2	3	2	2	3	4	3	2I	I4
15					3	4	3	3	3	3	4	4	27	I5
16					4	4	3	3	3	4	4	3	28	I6
17					3	3	3	3	5	5	4	4	30	I7
18					4	4	3	4	3	5	3	3	29	I8
19					3	3	3	3	3	4	2	3	24	I9
20					3	2	2	3	3	2	3	3	2I	20
21					2	2	2	2	2	2	2	2	I6	(2I)
22					2	2	3	3	2	3	5	4	24	22
23					4	3	3	3	3	4	2	2	24	23
24					I	2	3	3	2	2	2	4	I9	24
25					2	2	2	2	2	2	3	2	I7	25
26					4	4	3	3	5	6	5	4	34	26
27					5	5	4	4	5	5	6	5	39	27
28					3	3	3	3	4	4	3	2	25	28
29					2	2	3	4	3	4	2	2	22	29
30					3	3	3	3	4	3	2	3	24	30
31					2	2	3	3	3	4	3	3	23	3I
Среднее														

№ 64724-III

253

INTERNATIONAL UNION OF GEODESY AND GEOPHYSICS

INTERNATIONAL ASSOCIATION OF GEOMAGNETISM AND AERONOMY

INDICES OF GEOMAGNETIC ACTIVITY

OBSERVATORY *K. P. Parkhro (Moskova)* READINGS OF VARIOMETERS

MONTH *April* 1978

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	4	3	3	3		2	3	3	2	23
2	4	3	3	3		3	3	3	4	26
3	2	4	4	4		3	5	6	6	34
4	5	4	5	3		2	5	6	6	36
5	5	3	3	2		2	2	4	3	24
6	2	3	2	3		3	2	2	2	19
7	2	2	2	2		3	1	2	2	16
8	2	2	2	2		2	3	3	2	18
9	2	2	2	3		2	2	2	2	17
10	2	2	3	3		5	5	4	6	30
11	6	5	3	3		3	5	5	4	34
12	5	3	3	3		3	3	3	2	25
13	3	2	2	3		4	3	4	5	26
14	5	3	4	4		6	5	5	4	36
15	4	3	3	3		4	4	4	3	28
16	2	2	2	2		2	1	2	2	15
17	2	3	3	2		3	2	1	3	19
18	4	4	3	2		2	4	4	3	26
19	2	4	4	4		4	5	6	3	32
20	5	3	3	3		2	4	3	3	26
21	3	2	3	2		3	2	3	3	21
22	2	2	3	2		3	2	3	3	20
23	3	3	2	3		4	5	4	4	28
24	5	5	4	4		4	5	4	4	35
25	4	3	3	3		3	3	3	2	24
26	3	3	3	3		3	3	4	3	25
27	2	2	3	3		3	4	3	5	25
28	3	3	3	3		3	2	3	2	22
29	2	2	3	2		2	2	3	3	19
30	3	3	3	5		6	7	3	5	35
31										

№ 64841-III 253*

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

INDICES OF GEOMAGNETIC ACTIVITY

OBSERVATORY *Kr. Pakhra (Moscow)* VALUES OF VARIOMETERS
MONTH *May* 19 *78* IN Y/MM
RANGE 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	3	3	4	5		7	4	5	7	38
2	6	5	6	5		6	5	3	4	40
3	4	4	5	4		5	5	5	5	37
4	6	6	5	5		6	3	4	3	38
(5)	2	3	2	2		2	2	2	3	18
(6)	2	2	2	2		2	2	2	3	17
7	3	2	3	3		2	2	3	2	20
8	2	2	2	3		3	4	4	3	23
9	4	4	6	5		6	6	5	3	39
10	2	2	2	2		2	2	3	4	19
11	3	5	4	3		3	4	4	3	29
12	3	3	3	3		3	3	4	4	26
13	5	3	3	2		3	3	2	3	24
14	3	3	3	2		3	3	3	2	22
15	2	2	3	3		2	3	2	1	18
16	2	2	2	2		3	3	3	2	19
(17)	3	3	3	2		3	2	2	3	21
18	2	3	2	2		2	3	2	2	18
19	2	2	2	3		3	2	1	2	17
20	2	2	3	3		2	3	4	3	22
21	3	4	3	3		3	3	5	5	29
22	3	3	3	3		3	4	4	4	27
23	3	3	3	3		4	4	3	4	27
24	5	3	3	5		4	4	3	3	30
25	4	3	3	2		3	2	2	3	22
(26)	2	2	3	3		2	2	3	2	19
(27)	2	2	2	3		3	2	2	3	19
28	3	2	3	2		3	3	3	2	21
29	2	2	3	2		2	3	4	3	21
30	4	4	3	3		4	3	3	3	27
31	3	3	3	4		3	2	2	1	21

№ 65112-III

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

INDICES OF GEOMAGNETIC ACTIVITY

OBSERVATORY *H. Z. Parkra (Moscow)* - VALUES OF VARIOMETERS
MONTH *June* 19 *78* IN Y/MM
RANGE 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	2	4	2	3		2	3	2	4		22
2	3	3	4	7		7	6	6	5		41
3	5	5	3	4		3	3	5	3		31
4	3	2	3	3		4	3	4	6		28
5	5	5	4	3		3	3	3	3		29
6	2	2	3	4		3	3	2	3		22
7	3	3	3	3		3	3	3	3		24
8	3	3	2	3		3	3	2	2		21
9	2	3	3	2		2	2	2	2		18
10	3	3	4	4		4	4	3	5		30
11	3	4	5	4		3	3	2	2		26
12	2	2	2	3		3	3	3	2		20
13	2	3	3	3		4	3	2	2		22
14	1	3	2	3		2	2	3	2		18
15	2	2	3	3		3	2	2	1		18
16	2	3	2	3		3	2	3	3		21
17	3	3	3	3		2	3	3	2		22
18	4	3	3	3		4	3	3	3		26
19	3	3	3	3		3	3	3	3		24
20	3	3	3	4		3	2	2	3		23
21	4	4	4	4		4	4	4	3		31
22	3	4	3	4		4	3	3	2		26
23	3	3	4	4		3	3	4	4		28
24	4	4	3	4		4	3	3	3		28
25	3	3	4	5		3	5	5	3		31
26	4	5	5	4		5	5	4	5		37
27	4	3	4	3		3	3	4	2		26
28	2	3	3	3		3	3	2	2		21
29	2	3	3	4		3	4	3	6		28
30	5	3	4	4		4	4	5	2		31
31											

INDICES OF GEOMAGNETIC ACTIVITY

OBSERVATORY Moscow Kr. Pakhra SCALE-VALUES OF VARIOMETERS

MONTH JULY 19 78 IN Y/MM

RANGE FOR K=9 550 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	3	3	2	I	I	16
2	2	2	3	3	2	3	I	I	17
3	2	3	3	3	3	I	2	4	2I
4	5	4	4	4	7	6	4	4	38
5	5	5	4	5	4	3	4	2	32
6	3	3	4	4	3	4	3	2	26
7	3	3	3	4	3	3	3	2	24
8	3	3	3	3	4	4	3	2	25
9	3	2	2	2	3	4	3	2	2I
10	3	3	4	4	3	3	2	2	24
11	3	3	2	4	2	2	I	I	I8
12	2	3	2	2	2	3	3	2	I9
13	3	4	4	3	4	3	3	3	27
14	5	5	4	5	4	5	5	3	36
15	3	3	2	2	2	2	2	2	I8
(16)	3	I	2	2	2	2	2	2	I6
17	I	2	3	3	2	2	3	2	I8
18	3	3	2	3	3	4	3	4	25
19	3	3	3	3	3	2	2	2	2I
(20)	2	3	2	3	2	2	2	2	I8
21	2	3	2	2	2	2	2	2	I7
22	2	3	3	2	3	2	2	3	20
23	3	3	2	2	2	3	4	3	22
24	2	2	I	3	3	2	2	3	I8
25	3	2	2	3	3	2	3	4	22
26	I	2	3	3	3	2	2	2	I8
27	2	2	2	2	2	2	I	2	I5
28	2	3	3	3	2	2	I	I	I7
(29)	I	2	3	2	2	2	2	2	I6
(30)	2	2	2	2	2	2	2	I	I5
(31)	2	2	I	2	I	2	I	I	I2

65785-III

453*

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

INDICES OF GEOMAGNETIC ACTIVITY

OBSERVATORY. *Kz. pakhra (moscow)* SCALE-VALUES OF VARIOMETERS
MONTH. *August* 19 *78* IN Y/MM
RANGE FOR K=9..... *550*..... Y D..... H..... Z.....

GR	K- INDICES FOR THREE-HOUR INTERVAL										SUM
	DAY	00h-03h	03h-06h	06h-09h	09h-12h	12h-15h	15h-18h	18h-21h	21h-24h		
1	I	2	3	3		2	2	2	2		I7
2	I	2	2	2		2	2	2	2		I5
3	2	3	2	3		4	4	3	4		25
4	5	4	3	5		4	3	3	2		29
5	2	3	3	4		4	3	4	4		27
6	3	4	4	3		4	3	3	3		27
7	4	2	3	3		3	2	2	2		2I
8	2	3	2	2		2	3	2	I		I7
9	I	3	2	2		3	I	2	2		I6
10	2	2	2	3		3	3	2	3		20
11	3	2	2	3		3	4	3	2		22
12	2	3	3	5		4	3	3	3		26
13	3	2	3	3		3	3	3	3		23
14	3	2	3	3		2	2	2	2		I9
15	I	2	3	2		3	2	2	I		I6
16	I	2	3	3		2	2	3	2		I8
17	2	2	2	3		4	3	2	3		2I
18	3	3	3	2		3	3	5	5		27
19	4	2	3	3		3	2	2	I		20
20	I	2	2	2		I	2	I	2		I3
21	2	3	2	2		2	2	2	3		I8
22	3	2	2	2		2	2	I	I		I5
23	I	2	2	2		2	I	2	2		I4
24	2	2	2	3		2	2	2	2		I7
25	2	2	3	3		4	3	3	2		22
26	2	2	2	2		I	2	2	I		I4
27	3	3	3	4		4	4	4	4		29
28	4	6	6	6		7	4	4	5		42
29	4	4	4	3		5	4	3	3		30
30	3	3	3	4		4	5	5	5		32
31	5	4	4	4		4	6	4	3		34

web: 65945-111

453*

INDICES OF GEOMAGNETIC ACTIVITY

OBSERVATORY: *Kr. Pakhra (Moskova)* SCALE-VALUES OF VARIOMETERS
 MONTH: *September* 19 *78* IN Y/MM
 RANGE 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	3	3	4	3	4	4	2	4	27
2	2	3	3	4	4	3	5	4	28
3	2	3	2	3	3	4	3	2	22
4	2	2	3	2	3	2	3	2	19
5	2	2	2	3	3	2	3	3	20
6	3	4	3	3	3	2	I	I	20
7	I	2	2	2	3	3	3	3	19
8	5	5	3	3	3	2	2	2	25
9	2	3	3	4	4	4	4	4	28
10	3	2	3	4	3	2	2	2	21
11	2	2	2	2	4	3	4	3	22
12	2	3	3	3	5	4	3	3	26
13	3	2	3	4	2	2	2	I	19
(14)	3	2	2	2	2	2	2	I	16
(15)	I	2	2	I	I	I	I	2	11
16	2	3	2	3	2	I	2	3	18
(17)	I	3	3	3	3	2	2	2	19
(18)	I	I	2	2	2	2	2	2	14
(19)	I	2	2	2	I	2	I	I	12
20	I	2	2	2	3	2	2	3	17
21	2	2	3	3	3	2	I	I	17
22	2	3	3	3	3	4	4	2	24
23	2	2	3	3	3	3	3	3	22
24	2	3	2	3	2	3	4	4	23
25	3	3	3	5	4	5	4	4	31
26	2	3	3	3	4	4	4	4	27
27	4	4	3	3	3	5	6	5	33
28	4	4	4	4	4	4	4	5	33
29	4	5	6	7	8	6	4	2	42
30	I	3	3	3	2	2	3	2	19
31									

INDICES OF GEOMAGNETIC ACTIVITY

OBSERVATORY *Kz Pakhra (Moscow)* DATE-VALUES OF VARIOMETERS
MONTH *October* 19 *78* IN: Y/MM
RANGE 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	2	3	2	3		4	3	4	4		25
2	2	2	2	3		4	4	3	3		23
3	3	3	2	2		3	3	2	2		20
4	3	3	3	4		3	2	4	4		26
5	4	3	2	3		2	2	3	2		21
6	2	1	2	2		2	3	2	2		16
7	2	2	2	2		2	2	1	2		15
8	1	2	3	2		2	3	2	3		18
9	2	3	2	3		2	2	3	4		21
10	3	3	3	3		3	1	3	3		22
11	2	2	2	3		2	2	1	2		16
12	2	2	2	3		5	5	3	3		25
13	3	2	3	2		2	1	3	3		19
14	2	2	3	2		2	2	3	2		18
15	2	2	2	3		3	2	1	2		17
16	2	2	2	2		2	2	1	1		14
17	1	2	3	3		2	2	2	3		18
18	4	4	3	4		3	4	6	4		32
19	4	3	3	3		4	3	4	3		27
20	2	2	2	3		2	3	3	2		19
21	1	3	2	3		4	2	4	4		23
22	2	3	2	3		2	4	4	2		22
23	1	2	2	3		2	2	2	3		17
24	2	2	2	2		2	2	4	2		18
25	2	2	2	3		3	4	3	1		20
26	2	2	2	2		4	4	6	4		26
27	4	3	3	4		3	3	2	3		25
28	2	3	3	3		2	3	2	4		22
29	3	2	2	3		4	5	4	3		26
30	2	2	3	4		4	6	5	4		30
31	3	3	2	3		4	4	4	4		27

62526453*

INTERNATIONAL UNION OF GEODESY AND GEOPHYSICS

INTERNATIONAL ASSOCIATION OF GEOMAGNETISM AND AERONOMY

INDICES OF GEOMAGNETIC ACTIVITY

OBSERVATORY *Kz. Pokra (Moscow)* SCALE-VALUES OF VARIOMETERSMONTH *November* 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	2	3	3		3	3	3	3		23
2	2	2	3	3		4	4	2	2		22
3	3	3	2	3		2	2	5	4		24
(4)	2	2	3	2		3	3	2	3		20
(5)	3	3	2	2		2	3	2	2		19
(6)	2	2	2	2		2	2	2	2		16
7	2	2	2	2		2	2	3	4		19
8	4	4	3	3		2	3	2	3		24
9	3	3	3	2		2	2	2	2		19
10	2	3	3	3		2	5	5	5		28
11	3	3	2	3		2	2	4	4		23
12	5	4	4	6		5	4	5	5		38
13	4	3	3	3		4	4	3	2		26
14	2	2	2	2		4	5	4	2		23
15	3	4	3	2		2	2	3	2		21
16	2	2	3	2		3	2	3	2		19
17	3	2	2	3		3	2	3	2		20
(18)	2	2	2	2		2	2	3	3		18
19	3	3	2	3		3	3	3	2		22
20	3	4	3	3		4	4	5	5		31
21	4	3	3	3		3	3	2	4		25
22	3	3	3	3		5	6	4	3		30
23	3	2	3	3		4	4	4	3		26
24	3	2	3	2		4	5	5	5		29
25	3	3	4	4		6	7	7	5		39
26	4	4	4	3		4	5	4	4		32
27	2	2	3	3		4	5	4	3		26
(28)	2	2	2	2		2	2	2	2		16
29	2	2	2	2		2	3	2	2		17
30	2	2	3	3		2	2	3	3		20
31											

INDICES OF GEOMAGNETIC ACTIVITY

OBSERVATORY: *Hr. Parkhra (Moscow)* SCALE-VALUES OF VARIOMETERS
 MONTH: *December 19 78* IN Y/MM
 RANGE 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	2	3	3	3		2	2	2	2		19
(2)	2	2	2	2		1	1	1	2		13
3	2	2	2	2		2	2	3	3		18
4	2	2	3	3		3	3	4	3		23
5	3	3	2	2		2	2	3	3		20
6	2	2	2	2		2	-2	3	2		17
(7)	2	1	2	2		2	2	2	1		14
8	1	2	2	2		2	1	3	2		15
(9)	1	2	1	2		1	2	2	1		12
(10)	1	2	2	2		1	2	1	1		12
(11)	1	2	2	1		1	1	1	1		10
12	1	1	1	2		3	2	3	3		16
13	3	3	2	2		2	1	1	2		16
14	3	4	4	4		3	3	3	3		27
15	3	5	3	3		2	4	3	3		26
16	2	2	2	3		2	4	5	3		23
17	2	2	2	1		2	2	2	3		16
18	3	4	4	4		5	6	5	4		35
19	3	3	3	2		5	4	4	4		28
20	3	3	3	4		4	5	4	3		29
21	3	3	3	3		3	3	3	2		23
22	2	4	3	3		3	5	3	3		26
23	3	2	2	2		2	3	2	2		18
24	2	2	3	2		1	2	2	2		16
25	3	2	3	3		6	4	2	3		26
26	2	2	3	3		3	3	3	3		22
27	4	3	2	3		3	3	4	2		24
28	2	3	2	2		2	5	4	4		24
29	3	2	3	3		3	6	5	4		29
30	3	4	3	3		3	3	5	4		28
31	5	3	3	3		3	2	4	3		26