

Ленинград
ЛЕНИНГРАД

Имб. 59825 III

январь 1977

и 5040

Суточные характеристики K-индексов

Дата	Амплитуды			Характер С	K 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	3	3	4	3	4	4	26	
2					3	1	2	1	1	1	2	2	13	
3					1	2	1	1	1	3	2	3	14	
4					1	1	2	2	3	4	3	3	19	
5					3	3	2	1	2	4	3	4	22	
6					3	2	1	2	2	2	2	3	17	
7					3	2	1	1	1	1	3	1	13	
8					1	1	2	2	3	4	2	2	17	
9					0	1	1	1	2	3	3	1	12	
10					0	0	0	1	1	2	1	0	5	
11					0	0	1	2	3	6	4	3	19	
12					3	3	2	3	3	3	3	2	22	
13					3	3	1	1	1	2	2	3	16	
14					3	3	2	2	3	4	4	5	26	
15					4	3	3	2	3	4	3	2	24	
16					1	2	1	1	2	3	2	2	14	
17					1	1	1	2	2	3	1	1	12	
18					3	2	3	3	2	1	1	1	16	
19					2	1	1	2	1	2	4	4	17	
20					4	3	2	2	2	2	3	4	22	
21					3	1	1	2	1	2	1	0	11	
22					0	0	1	1	3	2	3	3	13	
23					2	1	0	1	1	2	3	4	14	
24					3	2	1	1	2	2	3	1	15	
25					0	0	2	2	3	2	4	4	17	
26					2	1	1	1	1	1	3	2	12	
27					1	0	0	3	1	2	2	2	11	
28					1	1	1	0	1	2	6	6	18	
29					4	2	2	2	2	3	2	3	20	
30					4	3	3	3	4	5	5	5	32	
31					5	3	3	3	4	1	1	1	21	
Среднее									$K_9 = 600$					

Ленинград
Ленинград

59826 - III

n 50*

Февраль 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	ΣK	
1					1	3	2	1	1	1	2	3	4	
2					3	3	3	4	3	1	4	4	25	
3					3	3	2	1	1	2	3	3	18	
4					2	1	2	2	2	2	1	0	12	
5					1	1	3	3	2	3	2	2	17	
6					2	1	2	2	3	3	5	4	22	
7					4	3	3	2	4	3	4	4	27	
8					3	2	3	2	3	5	4	4	26	
9					4	3	3	3	5	5	5	2	30	
10					3	2	2	2	4	3	2	4	22	
11					3	3	2	2	4	4	2	3	23	
12					2	2	2	2	2	1	3	1	15	
13					2	2	2	1	2	4	4	3	20	
14					3	2	2	2	3	3	4	3	22	
15					2	2	2	1	2	4	3	3	19	
16					2	3	3	1	1	1	1	1	13	
17					2	1	1	2	3	4	4	4	21	
18					4	4	3	2	2	2	3	3	23	
19					2	1	1	2	2	3	3	2	16	
20					1	1	2	1	2	1	2	3	13	
21					2	2	2	3	3	3	2	1	18	
22					1	1	1	2	2	2	4	3	16	
23					2	2	2	3	3	5	3	3	23	
24					2	2	2	3	3	3	5	2	22	
25					3	2	3	2	2	3	3	4	22	
26					3	2	1	1	1	2	3	2	15	
27					0	0	0	2	2	2	2	2	10	
28					4	2	2	3	1	1	3	3	19	
29														
30														
31														
Среднее					K _g = 600									

Ленинград
Ленинград

Имб 60002 - III

март 1977

испол

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

К_г = 600

Leningrad
Ленинград

№ 60183-III

April 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					0	1	2	1	2	2	1	1	10	
2					0	1	1	2	1	2	1	2	10	
3					4	2	3	3	2	1	3	3	21	
4					4	4	3	3	3	3	4	4	28	
5					4	3	2	2	2	2	3	3	21	
6					4	3	2	2	4	6	7	7	35	
7					6	4	4	3	4	3	5	3	32	
8					4	3	3	4	4	5	4	4	31	
9					4	3	3	3	4	4	3	3	27	
10					3	3	3	1	3	4	3	3	23	
11					3	2	2	2	3	4	4	3	23	
12					2	2	1	3	3	3	3	4	21	
13					2	1	2	2	2	1	1	2	13	
14					3	2	3	3	2	3	3	3	22	
15					4	3	2	2	3	2	1	1	18	
16					1	3	2	2	4	4	6	3	25	
17					3	2	2	3	2	2	3	2	19	
18					2	2	1	2	3	3	3	1	17	
19					4	5	4	6	6	4	4	5	38	
20					4	4	4	3	3	6	3	3	30	
21					3	3	3	3	2	2	4	3	23	
22					2	2	2	2	2	3	2	1	16	
23					1	2	2	2	2	2	3	2	16	
24					2	1	2	3	3	4	3	3	21	
25					5	4	2	3	2	2	1	2	21	
26					2	1	2	2	2	2	1	1	13	
27					1	2	2	2	2	1	1	1	12	
28					1	2	1	2	2	2	2	2	14	
29					3	3	3	3	3	2	3	5	25	
30					2	3	2	2	3	2	3	3	20	
31														
Среднее														

$K_g = 600$

Ленинград
Ленинград

май 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	2	3	2	2	3	5	4	24	
2					5	4	3	4	5	6	6	6	39	
3					4	3	2	3	2	2	2	2	20	
4					1	1	2	2	3	6	4	4	23	
5					3	2	3	2	3	3	3	3	22	
6					3	3	3	2	3	3	3	2	22	
7					2	2	2	2	1	1	3	3	16	
8					0	1	1	1	1	0	1	1	6	
9					1	1	2	3	3	3	2	1	16	
10					1	1	3	3	3	3	2	3	19	
11					2	2	3	3	3	5	6	3	27	
12					3	5	4	3	3	2	2	1	23	
13					1	2	1	2	2	1	4	2	15	
14					2	3	3	2	2	2	3	3	20	
15					4	2	3	3	3	3	3	3	24	
16					4	4	3	4	3	3	3	4	28	
17					3	3	3	2	3	4	3	2	23	
18					3	3	3	3	3	3	3	1	22	
19					1	1	2	2	3	2	2	1	14	
20					2	2	2	2	3	3	4	2	20	
21					1	1	2	2	2	2	1	2	13	
22					2	3	3	2	2	2	2	1	17	
23					3	2	2	2	3	3	2	2	19	
24					2	2	2	3	3	3	3	2	20	
25					3	2	3	2	3	3	2	1	19	
26					1	1	1	2	1	2	2	2	12	
27					1	1	2	2	2	2	2	1	13	
28					1	2	2	4	3	2	3	2	19	
29					1	2	2	1	2	2	1	1	12	
30					1	2	1	3	3	2	2	1	15	
31					3	2	2	2	3	3	2	2	19	
Среднее									K _g =600					

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

INDICES OF GEOMAGNETIC ACTIVITY

OBSERVATORY... *deningrad*
MONTH..... *june* 19 *77*
RANGE FOR K=9.... *600* 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	2	3		3	3	3	3	22	
2	3	3	2	2		4	3	3	4	24	
3	1	2	2	2		3	2	1	2	15	
4		2	2	3		3	2	2	2	18	
5	1	2	2	3		3	2	1	1	15	
6	2	2	2	1		2	2	2	2	15	
7	2	2	2	3		3	2	3	3	20	
8	1	1	2	2		2	3	2	2	15	
9	2	2	2	2		1	2	2	3	16	
10	3	3	2	3		2	1	1	2	17	
11	1	2	1	1		2	1	1	2	11	
12	2	1	1	1		1	1	2	1	10	
13	2	1	1	1		2	3	3	2	15	
14	4	3	3	3		3	2	2	2	22	
15	1	1	1	1		1	1	1	1	8	
16	1	1	2	2		4	4	2	2	18	
17	3	3	2	2		3	3	1	2	19	
18	1	2	3	2		1	3	3	3	18	
19	3	2	2	3		3	3	1	3	20	
20	4	3	3	3		3	2	1	2	21	
21	1	3	2	2		3	2	2	1	16	
22	2	1	2	3		4	4	3	2	21	
23	3	3	2	2		3	3	2	2	20	
24	2	3	2	2		2	2	3	2	18	
25	2	1	1	2		3	3	2	2	16	
26	2	2	2	3		3	2	1	2	17	
27	3	2	2	2		3	2	2	1	17	
28	2	3	3	4		4	4	3	2	25	
29	3	2	2	2		3	3	1	2	18	
30	2	1	2	3		3	3	3	2	19	
31											

INTERNATIONAL UNION OF GEODESY AND GEOPHYSICS

INTERNATIONAL ASSOCIATION OF GEOMAGNETISM AND AERONOMY

INDICES OF GEOMAGNETIC ACTIVITY

OBSERVATORY *Voëtkovo (Leningrad)* VALUES OF VARIOMETERSMONTH *gule* 19 *77*

IN Y/MM

RANGE FOR K=9 *000* 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	2	3	4		3	3	3	3	24
2	3	3	3	3		4	4	3	3	26
3	2	2	3	3		4	3	2	2	21
4	3	3	3	2		2	3	1	3	20
5	2	2	1	3		2	3	2	2	17
6	2	2	2	3		6	5	4	4	28
7	4	3	4	3		3	3	2	2	24
8	3	3	2	4		3	3	2	2	22
9	3	3	3	4		3	3	3	4	26
10	4	3	2	3		3	4	3	3	25
11	3	3	3	3		3	2	3	2	22
12	2	1	0	1		1	1	1	1	08
13	3	3	3	3		3	3	4	2	24
14	4	4	4	4		3	3	2	2	26
15	3	3	3	3		3	2	2	3	22
16	3	2	4	4		5	5	3	4	30
17	3	3	3	4		2	3	4	4	26
18	2	2	2	3		4	3	2	3	21
19	3	2	4	4		4	4	3	3	27
20	3	3	4	4		4	5	4	3	30
21	3	2	2	2		3	3	3	2	20
22	3	2	2	3		3	3	2	2	20
23	2	2	3	2		3	1	0	1	14
24	2	2	2	3		3	3	3	2	20
25	2	2	2	1		2	2	1	2	14
26	1	1	1	2		2	3	1	0	11
27	0	1	2	3		2	1	1	2	12
28	1	2	1	2		2	2	1	2	13
29	6	5	5	5		5	4	3	2	35
30	4	3	3	3		3	2	2	2	22
31	3	3	3	2		2	2	3	3	21

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INTERNATIONAL UNION OF GEODESY AND GEOPHYSICS

INTERNATIONAL ASSOCIATION OF GEOMAGNETISM AND AERONOMY

INDICES OF GEOMAGNETIC ACTIVITY

OBSERVATORY. *Voeikovo (Leningrad)* VALUES OF VARIOMETERSMONTH. *August* 19 *77*

IN Y/MM

RANGE FOR K=9 *600* 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	2	2		4	2	I	2	I7
2	2	2	I	3		2	2	I	I	I4
3	I	I	2	2		2	3	3	3	I7
4	2	3	2	2		3	2	3	2	I9
5	4	3	5	5		5	4	5	3	34
6	4	4	4	4		4	4	4	4	32
7	2	3	3	3		3	4	3	4	25
8	4	3	3	3		3	3	2	3	24
9	4	3	2	3		5	4	4	3	28
10	3	3	3	2		3	3	3	2	22
11	4	3	2	3		5	4	3	4	28
12	2	3	3	4		3	3	2	3	23
13	3	2	3	3		3	2	2	4	22
14	I	I	3	3		4	3	3	3	2I
15	2	3	2	3		3	2	2	2	I9
16	I	I	I	2		4	3	3	2	I7
17	3	2	4	5		5	3	3	4	29
18	4	2	3	3		4	3	3	2	24
19	4	4	3	4		3	4	3	4	29
20	3	3	3	3		3	3	2	2	22
21	I	I	2	2		3	2	I	2	I4
22	I	0	I	I		I	2	2	3	II
23	2	I	2	2		3	4	3	3	20
24	2	2	2	3		3	4	2	I	I9
25	I	I	3	5		5	6	3	4	28
26	3	2	2	4		4	3	3	I	22
27	2	3	3	3		3	3	4	3	24
28	2	2	2	3		3	2	3	I	I8
29	3	2	2	2		2	2	I	I	I5
30	I	2	I	2		2	3	3	2	I6
31	I	2	I	2		I	2	2	2	I3

INDICES OF GEOMAGNETIC ACTIVITY

OBSERVATORY *Volkovo (Leningrad)* VALUES OF VARIOMETERS

MONTH *September* 19 *77*

IN Y/MM

RANGE FOR K=9 *600* 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	I		2	2	I	I	I2	
2	I	I	2	2		3	3	2	3	I7	
3	3	3	2	3		2	2	I	I	I7	
4	I	2	3	3		2	2	2	I	I6	
5	I	I	I	2		3	0	I	I	I0	
6	0	0	2	3		2	I	0	2	I0	
7	I	I	I	2		I	2	2	4	I4	
8	3	2	3	2		2	2	2	3	I9	
9	2	2	3	3		3	3	3	I	20	
10	3	3	2	3		3	2	3	3	22	
11	3	2	3	3		3	4	5	3	26	
12	I	2	I	I		I	I	2	3	I2	
13	3	2	3	4		4	6	5	4	3I	
14	4	3	I	2		I	2	3	2	I8	
15	2	2	2	2		2	I	I	I	I3	
16	I	0	I	2		3	2	4	3	16	
17	2	2	3	2		2	3	I	2	I7	
18	I	2	2	2		2	2	I	2	I4	
19	I	0	I	5		6	4	7	4	28	
20	4	3	4	4		4	5	5	5	34	
21	4	4	5	5		5	2	3	7	35	
22	7	5	3	4		4	6	7	4	40	
23	2	2	2	3		5	6	5	4	29	
24	3	3	2	3		3	4	3	4	25	
25	2	3	2	3		2	2	4	3	2I	
26	I	2	2	4		3	4	5	4	25	
27	5	5	4	3		2	I	2	0	22	
28	I	2	2	2		3	4	2	I	I7	
29	0	I	2	I		2	0	2	I	9	
30	0	I	2	2		2	2	2	I	I2	
31											

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INTERNATIONAL UNION OF GEODESY AND GEOPHYSICS

INTERNATIONAL ASSOCIATION OF GEOMAGNETISM AND AERONOMY

INDICES OF GEOMAGNETIC ACTIVITY

OBSERVATORY. *Voeikovo (Leningrad)* VALUES OF VARIOMETERSMONTH. *October* 19 *77*

IN Y/MM

RANGE FOR K=9..... 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	0	I	2	3		2	I	I	2				I2
2	2	I	2	3		3	0	I	2				I4
3	0	3	3	3		4	3	2	I				I9
4	2	3	3	3		2	I	2	2				I8
5	3	I	3	3		3	3	2	I				I9
6	2	2	2	2		2	3	3	2				I8
7	I	0	I	2		I	I	I	I				8
8	0	0	I	2		2	2	3	I				II
9	0	0	I	I		2	I	2	2				9
10	0	0	0	3		2	2	2	3				I2
11	2	2	2	2		2	3	3	5				2I
12	4	4	3	4		4	4	3	2				28
13	2	3	3	3		4	2	3	3				23
14	2	I	I	4		2	2	3	4				I9
15	4	2	4	4		3	2	4	4				27
16	2	2	2	I		3	3	3	3				I9
17	2	2	2	3		3	4	3	4				23
18	3	3	3	3		3	3	6	5				29
19	6	4	4	3		4	4	3	I				29
20	0	I	I	2		2	3	2	3				I4
21	2	I	I	I		I	2	2	3				I3
22	3	3	3	2		3	4	3	4				25
23	2	2	2	I		I	I	3	3				I5
24	2	2	2	2		2	I	2	2				I5
25	2	I	I	2		I	2	3	3				I5
26	I	I	2	2		I	I	I	2				II
27	4	3	3	5		5	5	7	7				39
28	6	7	4	3		3	5	5	2				35
29	2	2	2	3		3	4	I	2				I9
30	2	I	2	2		2	5	2	2				I8
31	2	2	2	2		I	2	2	I				I4

62700-III

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INTERNATIONAL UNION OF GEODESY AND GEOPHYSICS

INTERNATIONAL ASSOCIATION OF GEOMAGNETISM AND AERONOMY

INDICES OF GEOMAGNETIC ACTIVITY

OBSERVATORY *Voei Kovo (Leningrad)* VALUES OF VARIOMETERSMONTH *November* 19 *77*

IN Y/MM

RANGE FOR K=9..... 600 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	I	2	2		I	I	I	3	I2	
2	3	I	2	I		I	2	3	2	I5	
3	I	I	I	I		I	3	3	0	II	
4	I	I	0	I		2	4	3	3	I5	
5	4	2	2	2		2	3	3	2	20	
6	2	I	2	2		2	2	2	2	I5	
7	I	I	0	2		3	2	I	2	I2	
8	0	0	I	2		I	I	3	0	8	
⑨	I	0	I	2		0	I	2	0	7	
10	0	0	I	I		3	4	2	3	I4	
11	3	I	2	2		2	2	I	2	I5	
12	3	4	3	3		3	4	3	4	27	
13	4	4	2	4		5	6	3	4	32	
14	4	4	3	4		5	6	4	6	36	
15	4	3	2	4		4	5	3	4	29	
16	4	2	2	3		4	4	4	2	25	
17	I	2	2	3		I	I	I	3	I4	
18	I	I	I	2		2	2	2	2	I3	
19	2	I	2	2		I	2	3	2	I5	
20	I	2	I	I		I	0	I	2	9	
21	3	I	I	I		0	I	2	2	II	
②②	0	I	0	I		0	0	0	I	3	
②③	0	0	0	I		0	I	I	2	5	
②④	0	0	0	I		0	I	0	0	2	
25	0	0	0	0		3	3	5	6	I7	
26	5	2	I	3		3	3	2	3	22	
27	4	I	I	3		2	2	3	2	I8	
28	I	I	2	2		I	2	I	2	I2	
29	2	2	I	I		I	2	3	3	I5	
30	2	3	3	3		3	2	2	3	2I	
31											

INTERNATIONAL UNION OF GEODESY AND GEOPHYSICS

INTERNATIONAL ASSOCIATION OF GEOMAGNETISM AND AERONOMY

INDICES OF GEOMAGNETIC ACTIVITY

OBSERVATORY *Voeikovo (Leningrad)* VALUES OF VARIOMETERSMONTH *December 19 77*

IN Y/MM

RANGE FOR K=9.....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	0	I	0		I	3	5	4	I5
2	6	5	4	4		4	7	6	6	42
3	3	2	2	2		2	I	3	2	I7
4	I	I	I	I		2	3	4	5	I8
5	4	4	3	2		3	2	3	2	23
6	3	2	2	0		0	0	I	I	9
7	0	0	I	0		0	I	2	2	6
8	I	0	0	I		0	0	I	0	3
9	0	I	2	0		0	0	I	I	5
10	0	0	0	I		I	I	2	3	8
11	4	4	4	4		6	4	4	4	34
12	4	4	2	2		3	2	3	3	23
13	4	3	2	2		3	5	5	2	26
14	2	2	2	2		3	3	2	I	I7
15	I	I	I	2		3	I	I	0	I0
16	0	0	0	0		2	3	3	4	I2
17	3	4	2	I		I	I	2	I	I5
18	0	I	I	0		0	0	0	0	2
19	0	0	0	I		I	2	I	I	6
20	0	0	I	2		2	I	3	I	I0
21	I	I	I	I		I	2	3	3	I3
22	3	2	I	I		I	I	I	2	I2
23	I	I	I	2		I	I	I	2	I0
24	2	I	I	2		I	I	I	I	I0
25	0	I	I	2		2	0	4	2	I2
26	3	2	2	2		2	2	4	3	20
27	2	2	2	2		3	2	I	0	I4
28	0	I	I	2		2	2	5	4	I7
29	3	2	I	2		2	I	2	3	I6
30	2	2	I	I		2	I	2	2	J
31	0	I	I	2		2	I	2	3	I2