



Bureau des Publications SIIG - Bulletin Mensuel n°99-05 - Mai 1999
 ISGI Publications Office Monthly Bulletin n°99 - 05 - May 1999

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Explanations about published data are given in Special Issue 1994 of ISGI Monthly Bulletin.

Ce Bulletin est adressé gracieusement aux Scientifiques intéressés, grâce à une dotation du FAGS et au soutien du laboratoire d'accueil, le CETP, et des organismes français de Recherche Scientifique (CNRS, INSU, BCMT).
 Nous remercions aussi tout particulièrement les collaborateurs du Bulletin (cités ci-dessous) qui nous fournissent les données à diffuser dans des délais aussi brefs que possible.

*This Bulletin is freely offered to interested Scientists thanks to a dotation from FAGS, and to the support of the hosting laboratory CETP and of French Organisations of Scientific Research (CNRS, INSU, BCMT).
 Special thanks are due to contributors (quoted below) for providing the here published geomagnetic data within shortly possible delay.*

PRELIMINARY REPORT ON RAPID VARIATIONS

MAY 1999

SSC - Storm Sudden Commencements

SFE - Solar Flare Effects

15 15 43 A : WNG* NAG COI GUI
 B : NGK* BDV* HRB EBR* SPT HYB
 ETT
 C : NUR* QUE GNA CNB

18 00 56 A : NUR WNG* HRB* NAG* COI BJI
 SPT* GUI HYB
 B : NGK* BDV* CLF* MMB* EBR*
 KAK* KNY* QUE ETT GNA
 C : CNB*

03 0543-0554 BDV+
 08 0738-0748 HYB ETT
 09 1759-1806 BDV+
 10 0524-0600 MMB+ KAK+ KNY+
 16 1349-1405 BDV+ GUI
 17 0020-0035 MMB+ KAK+ KNY+
 17 0340-0355 MMB+ KAK+ KNY+
 17 0452-0515 BDV+ MMB+ KAK+ KNY+ HYB ETT
 30 1046-1058 NAG GUI (ssc : WNG NGK si : HRB)

REPORTING OBSERVATORIES (up to 2nd of July 1999) :

SOD NUR WNG NGK BDV CLF HRB NAG MMB EBR COI BJI SPT KAK KNY QUE GUI HYB ETT GNA HER
 CNB

FIVE INTERNATIONAL QUIETEST DAYS

FIVE INTERNATIONAL MOST DISTURBED DAYS

May 1999

11 17 31 22 16

18 13 1 25* 2*

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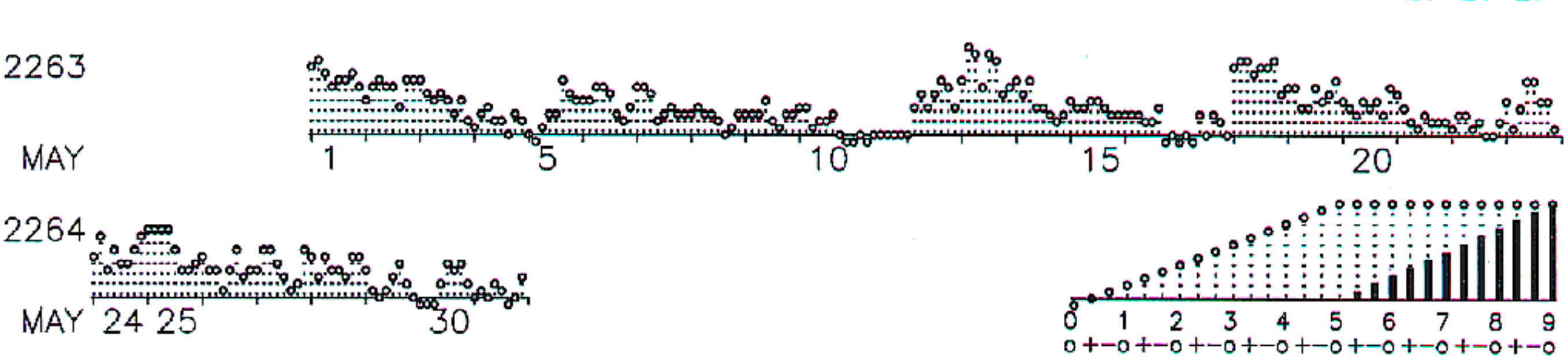
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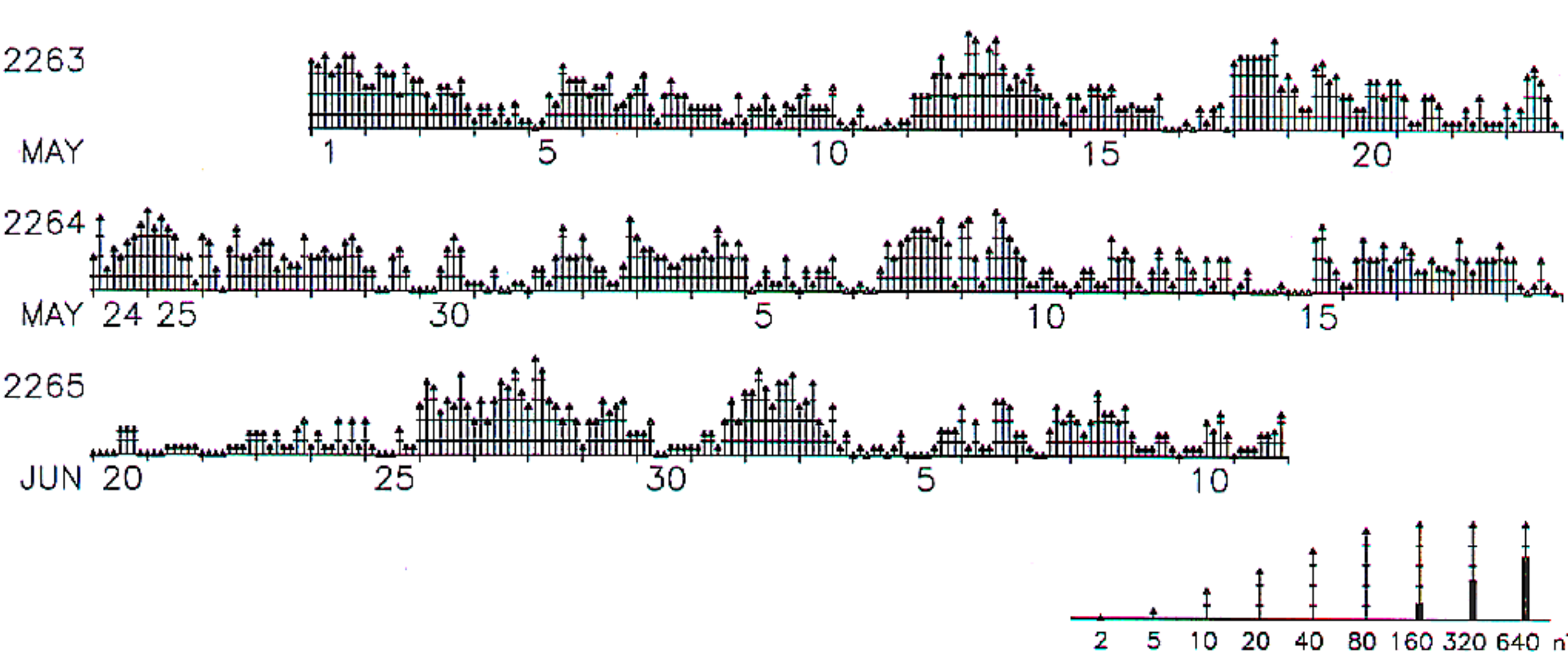
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MAY 1999						Geomagnetic Indices (provisional)								Daily Average and Sum				
	aa				D	quiet days	am and Km for each three hour interval								Daily Average and Sum			
	N	S	am	pm			1	2	3	4	5	6	7	8	Am	Σ Km	Ap	Σ Kp
1	43	28	35	37	36		44 4-	52 4o	37 3+	23 3-	33 3o	32 3o	38 3+	25 3-	36	26-	21	28o
2	22	22	22	22	22		15 2o	21 3-	30 3o	24 3-	23 3-	12 2-	32 3o	27 3o	23	21-	11	20+
3	18	10	14	14	14		29 3o	17 2+	15 2o	19 2+	16 2o	10 1+	14 2o	6 1o	16	16o	8	16-
4	8	5	7	7	7	CC	4 1-	10 1+	13 2-	7 1o	6 1o	2 0+	9 1+	7 1o	7	8+	4	8o
5	17	9	6	20	13	KK	3 0+	1 0o	4 1-	10 1+	8 1+	29 3o	20 2+	15 2o	11	11o	7	13-
6	19	10	16	13	15		14 2o	15 2o	26 3-	23 3-	19 2+	10 1+	6 1o	12 2-	16	16-	9	17+
7	17	10	13	14	14	C	23 3-	26 3-	17 2+	6 1o	10 1+	12 2-	10 1+	10 1+	14	14+	7	15-
8	9	7	8	8	8	CC	8 1+	12 2-	9 1+	9 1+	7 1o	3 0+	5 1-	10 1+	8	9o	4	8+
9	9	7	8	8	8	CC	10 1+	10 1+	8 1+	16 2o	7 1o	4 1-	8 1+	8 1+	9	10+	5	10-
10	10	9	11	8	9	CC	11 2-	13 2-	5 1-	7 1o	6 1o	8 1+	2 0+	1 0o	7	8-	4	9-
11	4	4	4	4	4	CC*	1 0o	3 0+	1 0o	2 0+	2 0+	3 0+	3 0+	2 0+	2	2o	2	2o
12	23	13	10	26	18		3 0+	12 2-	19 2+	11 2-	18 2+	30 3o	24 3-	12 2-	16	16-	8	16+
13	52	53	58	47	52		28 3o	78 5-	67 4+	23 3-	66 4+	55 4o	20 2+	21 3-	45	28o	25	29o
14	20	13	23	10	16		28 3o	19 2+	30 3o	12 2-	11 2-	10 1+	7 1o	10 1+	16	15+	8	15o
15	13	12	12	13	13	CC	14 2o	12 2-	12 2-	16 2o	14 2o	11 2-	10 1+	9 1+	12	14-	6	13-
16	7	8	8	6	7	CC*	9 1+	9 1+	8 1+	7 1o	7 1o	11 2-	1 0o	2 0+	7	8o	3	6+
17	6	5	4	6	5	C*	0 0o	2 0+	0 0o	8 1+	3 0+	9 1+	7 1o	2 0+	4	5-	2	4+
18	55	35	43	47	45		45 4-	54 4o	58 4o	38 3+	46 4-	41 4-	56 4o	20 2+	45	29-	27	31o
19	27	15	14	28	21		26 3-	24 3-	11 2-	11 2-	22 3-	16 2o	19 2+	28 3o	20	19-	10	18+
20	20	8	10	18	14		14 2o	13 2-	10 1+	14 2o	12 2-	14 2o	10 1+	24 3-	14	15-	7	15o
21	14	6	11	10	10	CC	19 2+	13 2-	7 1o	4 1-	8 1+	7 1o	6 1o	7 1o	9	10o	5	10+
22	9	4	6	7	6	CC*	4 1-	8 1+	9 1+	4 1-	7 1o	3 0+	2 0+	6 1o	5	7-	3	6o
23	17	12	12	17	14		15 2o	5 1-	12 2-	31 3o	31 3o	14 2o	14 2o	5 1-	16	15o	8	15o
24	26	18	21	23	22		18 2+	34 3+	13 2-	22 3-	15 2o	15 2o	24 3-	39 3+	23	20o	11	19+
25	28	27	42	13	28		50 4-	46 4-	44 4-	41 4-	23 3-	12 2-	12 2-	14 2o	30	23-	15	23-
26	19	12	14	18	16		20 2+	13 2-	11 2-	4 1-	13 2-	21 3-	10 1+	12 2-	13	14-	6	13+
27	15	15	16	14	15		11 2-	22 3-	22 3-	14 2o	10 1+	5 1-	7 1o	26 3-	15	15-	7	14-
28	17	14	13	18	16	C	17 2+	9 1+	17 2+	12 2-	11 2-	8 1+	17 2+	17 2+	14	15+	7	15-
29	8	7	5	10	7	CC	11 2-	5 1-	3 0+	4 1-	8 1+	16 2o	7 1o	3 0+	7	8o	3	7-
30	11	8	4	15	9	CC	0 0o	0 0o	1 0o	6 1o	14 2o	13 2-	15 2o	6 1o	7	8-	4	9-
31	6	3	5	4	4	CC*	2 0+	4 1-	2 0+	6 1o	4 1-	1 0o	3 0+	8 1+	4	5-	2	4+

ROT DAY IN SOLAR ROTATION INTERVAL Three-hour indices Km (provisional) MAY 1999



ROT DAY IN SOLAR ROTATION INTERVAL Three-hour indices aa (logscale) MAY-JUL 1999



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 Dst monthly table of hourly indices - May 1999

HOURLY EQUATORIAL DST VALUES (PROVISIONAL)

MAY 1999

DAY	UNIT=NT																								U. T.
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
1	-18	-17	-17	-20	-26	-26	-18	-18	-18	-18	-17	-12	-12	-14	-16	-19	-13	-12	-15	-12	-19	-23	-19	-17	
2	-19	-21	-25	-21	-20	-18	-18	-22	-25	-29	-22	-14	-14	-16	-11	-8	-7	-10	-15	-19	-14	-10	-11	-14	
3	-18	-21	-22	-21	-20	-16	-7	-6	-5	-11	-19	-18	-13	-9	-8	-8	-6	-8	-9	-11	-15	-15	-14	-11	
4	-13	-14	-14	-14	-12	-6	-2	0	-1	-7	-5	-3	-3	0	2	1	2	4	4	3	4	3	0	-2	
5	-6	-9	-10	-10	-7	-3	2	4	5	3	5	9	8	8	5	11	25	27	21	19	23	26	23	19	
6	9	1	-1	-3	-4	-4	3	3	-6	-4	1	-1	-7	-3	1	0	-3	-3	-3	-5	-3	-5	-6	-9	
7	-9	-13	-14	-15	-16	-15	-7	-4	-3	-5	-5	-3	-3	-4	-2	0	2	3	2	2	-1	-6	-4	-3	
8	-4	-8	-10	-9	-5	0	3	2	0	-2	0	2	2	3	2	4	5	5	4	3	4	2	0	-2	
9	-2	-1	1	-1	-3	1	6	7	11	9	7	6	5	6	10	12	11	11	12	11	12	13	12	9	
10	9	5	4	3	0	-2	2	8	9	4	6	8	9	7	5	6	5	4	2	3	3	4	4	4	
11	4	-1	-1	-3	-4	-2	2	1	1	0	0	0	0	-1	-1	1	2	2	2	4	6	8	9	10	
12	10	6	4	2	5	1	-1	2	0	0	3	7	10	17	22	23	29	31	35	26	18	18	20	22	
13	24	16	7	4	-7	-24	-41	-31	-22	-21	-22	-20	-23	-37	-57	-54	-32	-24	-27	-25	-26	-28	-26	-26	
14	-23	-28	-31	-34	-27	-21	-16	-23	-19	-17	-12	-13	-10	-8	-8	-11	-9	-6	-6	-5	-4	-5	-6	-6	
15	-12	-14	-11	-8	-8	-6	0	4	4	4	2	5	5	5	7	7	5	5	3	0	-4	-7	-9	-7	
16	-5	-4	-1	1	2	5	7	9	11	8	8	12	13	10	10	11	10	9	8	7	11	10	9	8	
17	8	7	8	7	7	9	13	12	10	12	12	9	11	12	12	10	10	9	8	7	11	10	9	8	
18	9	36	43	55	45	23	-9	-21	-18	-4	-2	3	-1	1	1	-3	-2	-1	11	12	10	9	7		
19	-14	-16	-21	-26	-26	-22	-14	-13	-13	-11	-4	-1	1	1	-2	-1	2	-1	-7	-4	-7	-7	-10	-14	
20	-7	-10	-8	-6	-5	0	3	4	2	2	2	0	2	5	4	2	5	3	4	6	4	4	-3	-5	
21	-2	-6	-6	-8	-9	-3	4	4	2	1	6	10	9	8	8	8	10	12	11	13	14	13	11	10	
22	10	10	9	5	5	8	11	11	8	8	10	11	10	11	11	11	12	13	13	13	14	14	11	10	
23	14	11	12	12	16	23	27	33	36	31	14	5	-1	-2	5	10	10	8	8	6	8	9	16	16	
24	11	9	5	7	11	15	32	25	25	23	22	19	19	21	21	23	27	36	37	35	28	24	15	6	
25	9	-4	-14	-13	-4	-13	-1	-5	-17	-21	-24	-25	-22	-26	-27	-22	-17	-16	-13	-12	-12	-11	-12	-12	
26	-13	-17	-14	-11	-9	-4	1	3	4	4	6	5	2	-1	-3	-3	2	3	4	7	7	3	3	3	
27	0	-5	-7	-5	-1	1	3	5	8	6	4	4	6	4	3	7	10	10	10	9	7	5	3	-2	
28	-6	-5	-4	-6	-11	-11	-6	-5	2	0	-1	-2	0	0	-2	-2	-1	1	-1	2	-1	-4	-9	-5	
29	3	4	2	1	2	6	9	10	12	9	13	15	16	15	14	13	10	7	5	7	12	12	9	6	
30	8	11	13	14	15	16	17	15	14	13	16	17	17	16	8	6	7	7	7	6	5	5	4	5	
31	2	-4	-5	-5	-4	0	3	4	5	5	6	4	4	5	7	7	8	10	9	8	9	11	8	2	

