



Bureau des Publications SIIG - Bulletin Mensuel n°98 - 07 - Juillet 1998
ISGI Publications Office Monthly Bulletin n°98 - 07 - July 1998

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

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PRELIMINARY REPORT ON RAPID VARIATIONS

JULY 1998

SSC - Storm Sudden Commencements

SFE - Solar Flare Effects

28 13 53 B : HRB
 C : NGK VAL BDV BJI
 - : WNG
 30 23 33 B : VAL NAG* QUE LNP
 C : NGK
 - : WNG

04 1202-1205 BDV+
 14 1248-1257 NGK
 14 1254-1315 WNG BDV+
 21 0536-0547 CLF SSC: BDV COI QUE SI: VAL
 28 0455-2150 MMB+ KAK+ KNY+ LNP

REPORTING OBSERVATORIES (up to the 4th of September 1998) :

SOD DOB NUR WNG NGK VAL BDV CLF HRB NAG GCK MMB EBR COI BJI KAK HTY KNY QUE LNP HYB
 ETT HER CNB

FIVE INTERNATIONAL QUIETEST DAYS

FIVE INTERNATIONAL MOST DISTURBED DAYS

July 1998

14 8 27 20 15

23 16 31 24 6*

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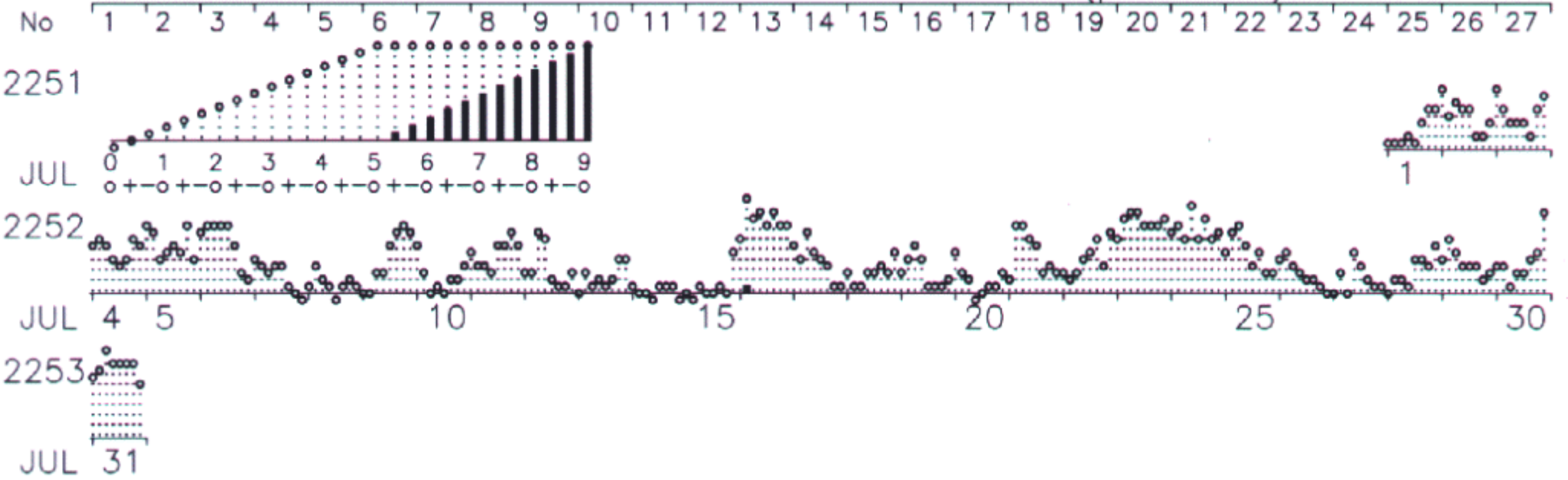
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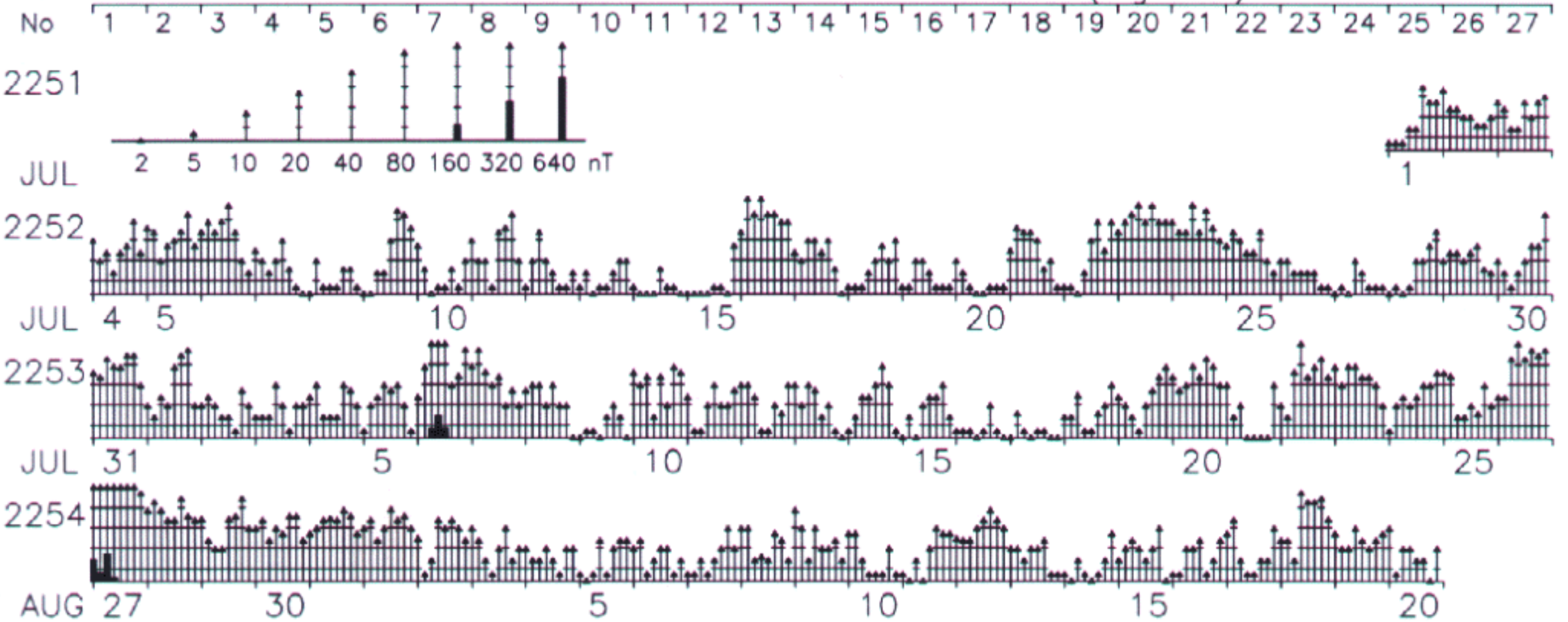
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JULY 1998		Geomagnetic Indices (provisional)												Daily Average and Sum								
	aa				D	quiet days	am and Km for each three hour interval								Am		Σ Km		Ap		Σ Kp	
	N	S	am	pm			1	2	3	4	5	6	7	8	Am	Σ Km	Ap	Σ Kp				
1	20	6	6	20	13	KK	5 1-	4 1-	4 1-	7 1o	4 1-	13 2-	17 2+	20 2+	9	10o	5	10o				
2	19	10	19	11	15		34 3+	15 2o	22 3-	17 2+	17 2+	6 1o	7 1o	12 2-	16	16+	8	15-				
3	22	10	13	19	16		35 3+	20 2+	12 2-	11 2-	12 2-	7 1o	18 2+	27 3o	18	17o	8	15+				
4	21	19	15	25	20		21 3-	27 3o	23 3-	14 2o	13 2-	14 2o	32 3o	21 3-	21	20-	10	18+				
5	40	20	25	34	30		49 4-	35 3+	16 2o	20 2+	21 3-	17 2+	41 4-	16 2o	27	22o	16	24o				
6	39	33	39	33	36		39 3+	49 4-	44 4-	48 4-	46 4-	23 3-	10 1+	7 1o	33	23o	19	24+				
7	16	6	12	10	11	C	15 2o	12 2-	10 1+	12 2-	11 2-	5 1-	2 0+	1 0o	9	9+	4	10-				
8	10	3	6	7	7	CC*	5 1-	12 2-	6 1o	4 1-	1 0o	5 1-	6 1o	4 1-	5	6+	3	6-				
9	39	13	5	47	26		2 0+	3 0+	9 1+	9 1+	21 3-	39 3+	50 4-	40 3+	22	16+	15	19-				
10	13	4	9	8	8	C	24 3-	8 1+	3 0+	4 1-	2 0+	6 1o	7 1o	12 2-	8	9o	5	9o				
11	29	19	13	35	24		20 2+	12 2-	11 2-	8 1+	21 3-	24 3-	35 3+	21 3-	19	18+	11	19o				
12	12	10	15	7	11	K	9 1+	10 1+	40 3+	31 3o	7 1o	5 1-	4 1-	9 1+	14	13-	6	11+				
13	9	5	5	9	7	CC	3 0+	8 1+	4 1-	7 1o	4 1-	7 1o	14 2o	16 2o	8	9o	4	8+				
14	5	3	3	5	4	CC*	4 1-	2 0+	2 0+	1 0o	5 1-	4 1-	4 1-	1 0o	3	3+	2	3o				
15	7	3	2	8	5	C*	2 0+	1 0o	4 1-	2 0+	2 0+	5 1-	3 0+	20 2+	5	5o	3	5o				
16	66	60	74	52	63		32 3o	110 5+	52 4o	70 4+	42 4-	65 4+	41 4-	45 4-	57	32o	37	35+				
17	13	19	19	13	16		24 3-	14 2o	35 3+	20 2+	14 2o	13 2-	5 1-	5 1-	16	15+	7	14o				
18	16	7	6	17	11	CC	9 1+	4 1-	4 1-	8 1+	10 1+	12 2-	8 1+	20 2+	9	11-	6	11o				
19	9	6	9	6	7	CC	8 1+	16 2o	22 3-	16 2o	5 1-	5 1-	5 1-	7 1o	11	11o	4	9o				
20	7	4	7	4	6	CK*	17 2+	9 1+	6 1o	1 0o	2 0+	4 1-	4 1-	9 1+	7	8-	3	6+				
21	26	16	30	13	21	K	7 1o	46 4-	41 4-	31 3o	22 3-	10 1+	12 2-	8 1+	22	18+	10	17o				
22	26	12	5	33	19		9 1+	6 1o	10 1+	14 2o	19 2+	28 3o	11 2-	39 3+	17	16o	10	17-				
23	60	48	54	54	54		32 3o	56 4o	63 4+	63 4+	42 4-	47 4-	44 4-	52 4o	50	31-	40	37-				
24	50	37	48	40	44		40 3+	44 4-	30 3o	84 5-	30 3o	51 4o	32 3o	35 3+	43	28o	28	32-				
25	24	16	23	17	20		17 2+	34 3+	42 4-	22 3-	12 2-	19 2+	9 1+	9 1+	21	19-	11	19o				
26	10	7	10	7	8	CK	15 2o	18 2+	11 2-	9 1+	6 1o	7 1o	4 1-	3 0+	9	10+	4	9+				
27	6	5	5	6	6	CC*	2 0+	8 1+	3 0+	19 2+	11 2-	7 1o	4 1-	5 1-	7	8+	4	7-				
28	17	6	4	19	11	KK	3 0+	7 1o	6 1o	4 1-	15 2o	15 2o	13 2-	24 3-	11	11+	5	10o				
29	16	11	14	13	14		14 2o	27 3o	20 2+	13 2-	11 2-	11 2-	7 1o	9 1+	14	15-	6	14-				
30	22	14	8	28	18		12 2-	11 2-	5 1-	10 1+	10 1+	14 2o	20 2+	63 4+	18	15+	11	15+				
31	59	35	44	51	47		40 3+	41 4-	71 5-	51 4o	59 4o	55 4o	51 4o	29 3o	50	31-	29	32+				

ROT DAY IN SOLAR ROTATION INTERVAL Three-hour indices Km(provisional) JUL 1998



ROT DAY IN SOLAR ROTATION INTERVAL Three-hour indices aa (logscale) JUL-SEP 1998



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Dst monthly table of hourly indices - July 1998

WDC-C2 FOR GEOMAGNETISM, KYOTO UNIVERSITY

HOURLY EQUATORIAL DST VALUES (PROVISIONAL)

JULY 1998

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	-20	-19	-17	-13	-9	-5	-3	-5	-4	-3	-1	-1	-1	-1	0	1	2	-1	-5	-11	-19	-16	-7	-4		
2	-17	-32	-34	-25	-20	-15	-16	-19	-18	-15	-14	-13	-11	-15	-20	-22	-21	-21	-17	-13	-13	-14	-11	-7		
3	-16	-24	-31	-22	-17	-19	-20	-20	-19	-19	-19	-17	-15	-13	-15	-16	-16	-16	-14	-13	-18	-29	-29	-32		
4	-26	-24	-23	-25	-25	-27	-28	-36	-39	-36	-33	-30	-31	-31	-32	-30	-32	-32	-31	-34	-35	-40	-38	-32		
5	-34	-32	-34	-29	-10	-19	-17	-12	-5	-3	-8	-9	-17	-16	-20	-19	-19	-17	-24	-30	-33	-33	-30	-28		
6	-33	-31	-30	-34	-32	-29	-21	-11	-6	-9	-16	-21	-26	-27	-31	-32	-37	-37	-36	-30	-30	-36	-33	-32		
7	-32	-32	-28	-26	-25	-23	-19	-22	-23	-23	-25	-27	-29	-30	-29	-25	-23	-22	-19	-20	-22	-27	-28	-26		
8	-23	-16	-15	-14	-11	-10	-14	-13	-11	-11	-10	-13	-15	-16	-15	-14	-12	-13	-9	-8	-11	-14	-16	-18		
9	-17	-12	-10	-8	-5	-5	-6	-3	-6	-7	-8	-10	-13	-16	-23	-23	-28	-22	-25	-21	-26	-35	-37	-33		
10	-34	-29	-28	-28	-22	-21	-20	-21	-23	-23	-20	-18	-16	-17	-16	-14	-15	-14	-12	-9	-10	-12	-16	-15		
11	-15	-15	-12	-3	4	4	0	-1	-3	-4	-3	-3	-6	-16	-22	-31	-34	-34	-43	-44	-45	-41	-42	-40		
12	-37	-34	-32	-29	-25	-21	-15	-23	-32	-30	-25	-20	-18	-19	-24	-24	-24	-23	-21	-19	-22	-26	-25	-25		
13	-26	-25	-23	-20	-19	-15	-11	-9	-8	-6	-6	-5	-4	-5	-8	-9	-14	-19	-23	-25	-25	-26	-25	-22		
14	-20	-17	-18	-15	-9	-6	-7	-9	-8	-5	-3	-2	-3	-3	-3	-4	-6	-7	-8	-9	-7	-8	-9	-10		
15	-11	-10	-9	-7	-4	-5	-7	-8	-5	-3	-2	0	1	1	1	1	3	4	5	4	6	13	12	6		
16	5	-3	2	-20	-53	-57	-51	-46	-55	-59	-55	-56	-56	-61	-63	-63	-66	-65	-60	-56	-50	-53	-53	-50		
17	-48	-51	-48	-48	-47	-49	-46	-45	-41	-37	-36	-36	-36	-37	-39	-40	-40	-42	-40	-40	-35	-34	-34	-33		
18	-33	-28	-25	-23	-22	-27	-31	-29	-27	-22	-18	-16	-18	-20	-22	-24	-21	-21	-21	-21	-25	-31	-30	-28		
19	-26	-22	-22	-18	-13	-15	-18	-22	-24	-21	-18	-19	-19	-19	-23	-22	-24	-22	-22	-22	-24	-25	-23	-22		
20	-22	-23	-25	-20	-20	-19	-22	-23	-22	-21	-20	-19	-19	-20	-20	-19	-21	-20	-21	-17	-16	-19	-17	-11		
21	-7	-4	-3	4	11	-3	-24	-17	-25	-28	-20	-19	-22	-23	-25	-24	-21	-22	-23	-22	-21	-27	-27	-25		
22	-22	-24	-25	-21	-17	-16	-17	-19	-21	-22	-16	-12	-8	-6	-7	-4	-12	-9	-10	-8	-9	-15	-27	-29		
23	-32	-34	-23	-30	-21	-26	-49	-45	-51	-52	-53	-51	-50	-60	-58	-61	-50	-45	-50	-52	-51	-49	-44	-44		
24	-45	-42	-36	-32	-32	-33	-40	-37	-29	-40	-44	-40	-31	-35	-40	-40	-38	-40	-34	-32	-30	-35	-32	-29		
25	-31	-31	-31	-30	-32	-34	-40	-40	-34	-33	-32	-32	-33	-33	-33	-32	-29	-30	-29	-28	-31	-34	-30	-28		
26	-24	-27	-30	-30	-31	-28	-26	-26	-22	-20	-19	-19	-19	-20	-22	-24	-23	-20	-20	-18	-17	-17	-16	-16		
27	-18	-20	-21	-18	-14	-13	-8	-5	-8	-14	-23	-23	-20	-15	-15	-16	-16	-18	-19	-18	-20	-23	-24	-24		
28	-23	-19	-15	-11	-7	-4	-5	-8	-10	-11	-11	-8	-5	-2	4	6	-1	-6	-8	-4	-9	-16	-18	-15		
29	-14	-16	-10	-8	-4	-9	-13	-17	-12	-2	-3	-7	-11	-15	-17	-13	-12	-7	-1	-3	-10	-15	-18	-15		
30	-19	-18	-14	-9	-2	3	4	3	0	2	-5	-9	-8	-13	-15	-17	-18	-14	-6	-9	-6	5	9	14		
31	4	0	-11	-9	-2	-16	-26	-35	-47	-51	-41	-35	-35	-26	-6	-14	-4	-2	-23	-35	-32	-21	-18	-23		

