

FEDERATION DES SERVICES D'ANALYSE DE DONNEES ASTRONOMIQUES ET GEOPHYSIQUES
 FEDERATION OF ASTRONOMICAL AND GEOPHYSICAL DATA ANALYSIS SERVICES
 SERVICE INTERNATIONAL DES INDICES GEOMAGNETIQUES
 INTERNATIONAL SERVICE OF GEOMAGNETIC INDICES



Bureau des Publications SIIG - Bulletin Mensuel n°98 - 04 - Avril 1998
ISGI Publications Office Monthly Bulletin n°98 - 04 - April 1998

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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

APRIL 1998

SSC - Storm Sudden Commencements

SFE - Solar Flare Effects

07 17 49	A: WNG DOU HRB COI BJI B: BDV NAG* GCK LNP C: NGK CLF QUE SI EBR SPT
16 21 22	A: NGK COI B: WNG DOU HRB GCK C: BDV QUE LNP si: EBR
23 18 25	A: SOD NUR WNG* DOU HRB* NAG GCK COI BJI SPT LNP B: BDV MMB* EBR KAK HTY KNY HER HER* C: NGK CLF
30 09 28	A: HRB NAG BJI LNP C: BDV GCK*

23 0528-0624 CNB

REPORTING OBSERVATORIES (up to the 2nd of June 1998) :

SOD NUR WNG NGK DOU BDV CLF HRB NAG GCK MMB EBR COI BJI SPT KAK HTY KNY QUE LNP HER CNB

FIVE INTERNATIONAL QUIETEST DAYS

FIVE INTERNATIONAL MOST DISTURBED DAYS

April 1998

1 5 15 2 29

24 26 25 10* 17*

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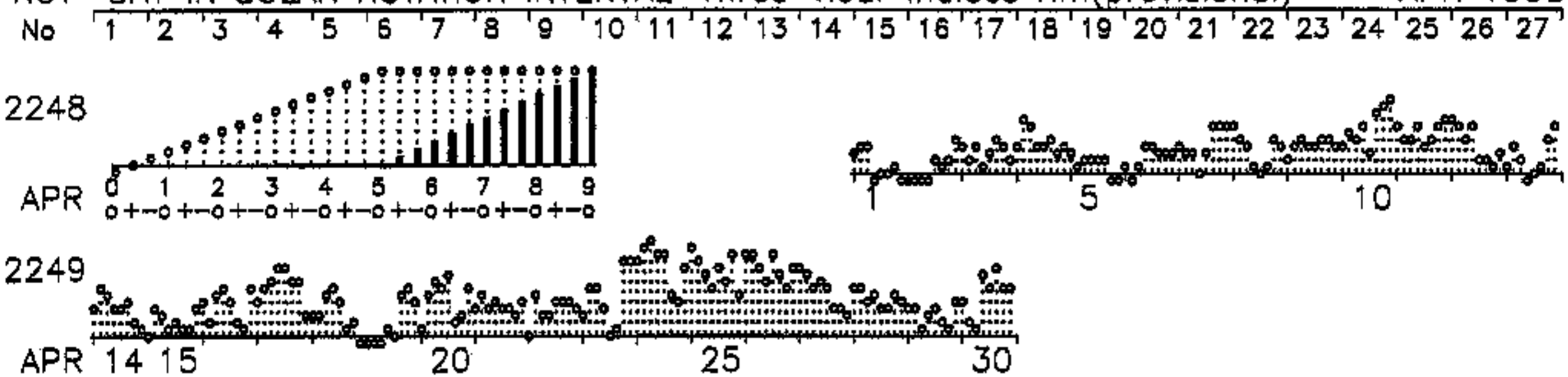
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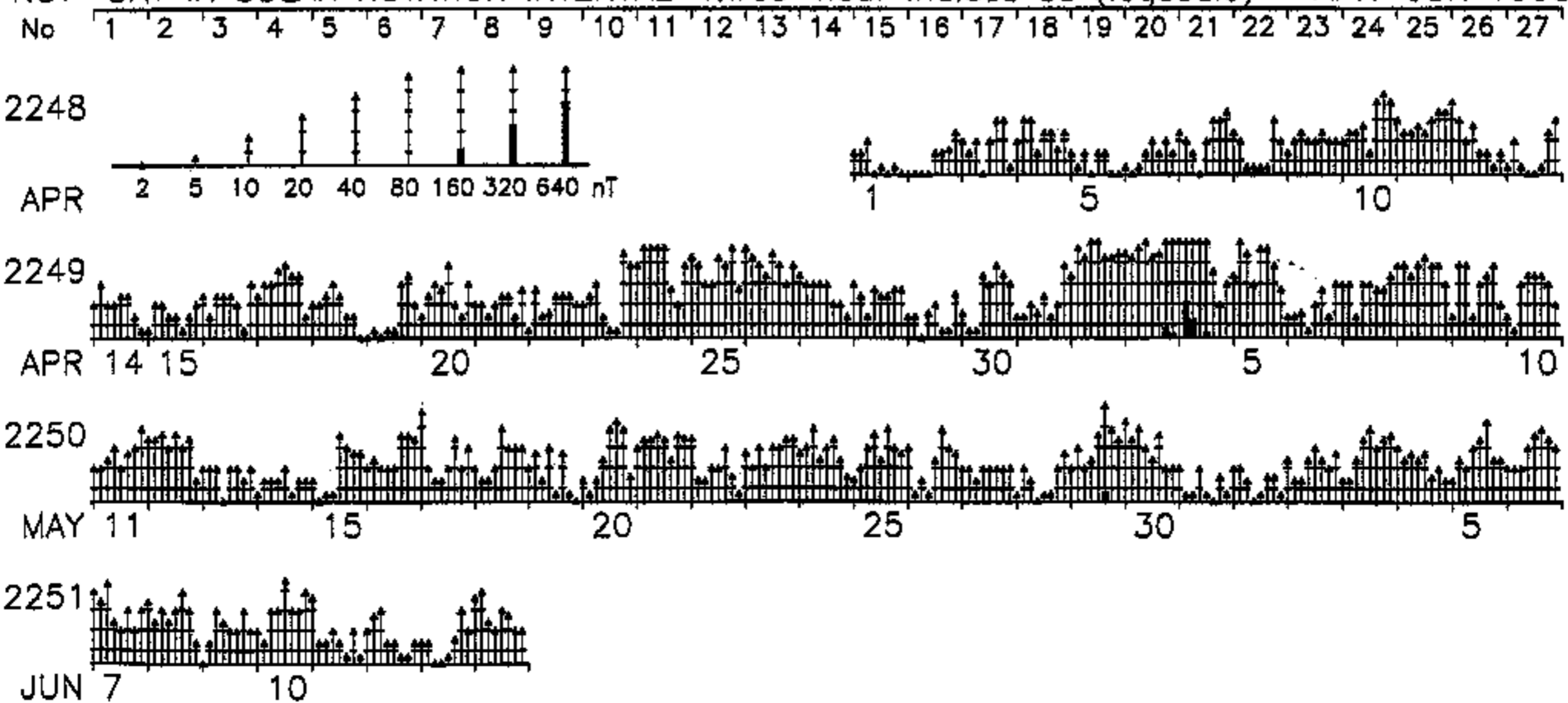
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APRIL 1998		Geomagnetic Indices (provisional)												Daily Average and Sum				
	aa				D	quiet days	am and Km for each three hour interval								Am Σ Km		Ap Σ Kp	
	N	S	am	pm			1	2	3	4	5	6	7	8				
1	6	6	6	4	6	CC*	9 1+	11 2-	11 2-	1 0o	2 0+	2 0+	5 1-	0 0o	5	6o	3	6-
2	7	6	2	10	6	CC*	1 0o	0 0o	0 0o	0 0o	6 1o	5 1-	7 1o	15 2o	4	5-	3	5o
3	14	11	9	16	12	KK	13 2-	6 1o	12 2-	5 1-	9 1+	16 2o	12 2-	6 1o	10	11o	6	12-
4	17	14	17	14	16	K	13 2-	29 3o	22 3-	11 2-	13 2-	16 2o	8 1+	13 2-	16	16-	8	16-
5	5	6	6	5	5	CC*	8 1+	5 1-	6 1o	6 1o	7 1o	7 1o	1 0o	0 0o	5	6o	3	6o
6	8	7	5	10	8	CC	4 1-	0 0o	5 1-	11 2-	12 2-	9 1+	10 1+	8 1+	7	9-	4	8+
7	18	14	10	23	16	K	11 2-	10 1+	10 1+	2 0+	9 1+	21 3-	21 3-	23 3-	13	14o	8	15-
8	11	10	10	12	11	C	22 3-	14 2o	11 2-	5 1-	2 0+	5 1-	16 2o	12 2-	11	12-	7	12+
9	13	12	12	13	13	CC	7 1o	13 2-	16 2o	13 2-	11 2-	16 2o	15 2o	11 2-	13	14-	6	14+
10	30	26	16	39	28		13 2-	19 2+	16 2o	22 3-	8 1+	39 3+	50 4-	51 4o	27	21o	16	22+
11	23	22	19	26	23		26 3-	16 2o	15 2o	22 3-	12 2-	16 2o	23 3-	29 3o	20	19-	11	20+
12	17	15	25	7	16		33 3o	25 3-	15 2o	21 3-	6 1o	6 1o	5 1-	8 1+	15	14+	9	15-
13	9	9	6	12	9	CC	4 1-	11 2-	7 1o	0 0o	2 0+	4 1-	16 2o	21 3-	6	9o	4	8-
14	12	14	15	11	13	CC	12 2-	23 3-	18 2+	11 2-	11 2-	14 2o	7 1o	5 1-	13	14-	6	13-
15	8	9	9	8	9	CC*	3 0+	11 2-	9 1+	5 1-	7 1o	4 1-	4 1-	11 2-	7	8o	4	7-
16	15	13	14	14	14		15 2o	6 1o	20 2+	24 3-	16 2o	7 1o	5 1-	25 3-	15	14+	6	13-
17	23	32	26	30	28		15 2o	21 3-	30 3o	42 4-	43 4-	27 3o	30 3o	9 1+	27	22+	14	22o
18	12	12	16	9	12	C	10 1+	8 1+	19 2+	25 3-	16 2o	5 1-	7 1o	0 0o	11	11+	6	11-
19	12	10	4	18	11	KK	0 0o	1 0o	1 0o	4 1-	3 0+	17 2+	21 3-	14 2o	8	8o	4	8+
20	17	23	17	23	20		5 1-	18 2+	30 3o	24 3-	38 3+	7 1o	8 1+	22 3-	19	17o	9	16o
21	14	12	11	15	13	C	11 2-	18 2+	11 2-	14 2o	12 2-	12 2-	10 1+	15 2o	13	14+	7	14o
22	14	11	11	15	13	C	2 0+	20 2+	9 1+	8 1+	14 2o	14 2o	15 2o	12 2-	12	13o	6	12o
23	29	17	15	31	23		8 1+	21 3-	24 3-	11 2-	3 0+	5 1-	58 4o	58 4o	24	17+	15	18+
24	50	62	72	40	56		51 4o	83 5-	100 5o	67 4+	67 4+	17 2+	14 2o	47 4-	56	30+	35	33o
25	52	38	38	51	45		72 5-	55 4o	40 3+	25 3-	46 4-	30 3o	63 4+	19 2+	44	28o	26	30o
26	47	53	54	46	50		68 4+	61 4+	44 4-	33 3o	68 4+	39 3+	26 3-	50 4-	49	29+	31	33o
27	19	21	26	14	20		49 4-	35 3+	23 3-	29 3o	23 3-	11 2-	12 2-	8 1+	24	20o	12	20-
28	20	15	17	18	18		25 3-	24 3-	14 2o	20 2+	13 2-	12 2-	17 2+	14 2o	17	17+	8	16+
29	9	7	7	10	8	CK*	13 2-	12 2-	4 1-	9 1+	11 2-	6 1o	4 1-	14 2o	9	11-	4	9o
30	30	15	13	32	22		14 2o	7 1o	5 1-	35 3+	24 3-	41 4-	21 3-	25 3-	22	19-	12	19o

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



ROT DAY IN SOLAR ROTATION INTERVAL Three-hour indices aa (logscale) APR-JUN 1998



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Dst monthly table of hourly indices - April 1998

WDC-C2 FOR GEOMAGNETISM, KYOTO UNIVERSITY

HOURLY EQUATORIAL DST VALUES (PROVISIONAL)

APRIL 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	-18	-18	-17	-20	-23	-25	-24	-26	-27	-29	-27	-22	-20	-18	-15	-15	-13	-11	-12	-11	-9	-7	-6	-6		
2	-9	-10	-12	-14	-14	-15	-16	-16	-15	-16	-17	-16	-14	-11	-11	-10	-9	-9	-11	-7	-3	-4	-8	-14		
3	-17	-15	-14	-18	-16	-13	-15	-16	-17	-17	-15	-14	-14	-15	-11	-14	-16	-20	-21	-18	-17	-17	-15	-13		
4	-10	-12	-20	-28	-32	-40	-45	-46	-44	-37	-27	-20	-16	-18	-15	-17	-17	-19	-21	-19	-17	-15	-15	-17		
5	-16	-16	-16	-16	-14	-13	-12	-11	-14	-14	-13	-13	-15	-17	-16	-13	-13	-13	-11	-11	-12	-13	-10	-8		
6	-8	-10	-11	-13	-10	-7	-4	-3	-4	-9	-10	-12	-16	-17	-18	-18	-18	-20	-16	-16	-15	-17	-16	-14		
7	-11	-8	-14	-16	-16	-15	-12	-12	-12	-15	-16	-16	-17	-14	-11	-11	-11	-8	-2	-15	-21	-19	-19	-22		
8	-24	-22	-22	-16	-13	-13	-16	-18	-15	-15	-16	-12	-12	-13	-11	-13	-13	-15	-16	-16	-25	-24	-24	-22		
9	-24	-26	-29	-31	-24	-18	-15	-19	-21	-23	-19	-20	-25	-28	-27	-28	-27	-23	-22	-20	-25	-33	-37	-38		
10	-36	-29	-24	-20	-15	-15	-21	-29	-25	-24	-21	-14	-12	-9	-5	-10	-24	-30	-43	-48	-52	-47	-41	-37		
11	-35	-31	-28	-29	-23	-21	-21	-19	-23	-31	-32	-31	-32	-30	-28	-32	-37	-37	-33	-40	-47	-53	-51	-53		
12	-56	-53	-50	-48	-47	-46	-42	-43	-44	-45	-45	-37	-35	-36	-33	-31	-29	-29	-26	-23	-22	-21	-21	-18		
13	-20	-21	-20	-20	-17	-12	-9	-15	-16	-18	-17	-16	-18	-18	-15	-16	-16	-16	-14	-15	-22	-22	-20	-16		
14	-13	-12	-15	-18	-19	-19	-24	-24	-27	-33	-37	-32	-32	-31	-28	-29	-33	-33	-28	-26	-26	-24	-16	-13		
15	-13	-12	-11	-11	-11	-6	-7	-11	-11	-10	-10	-9	-8	-7	-10	-13	-16	-16	-14	-17	-19	-18	-17	-16		
16	-12	-9	-12	-9	-7	-8	-7	-4	-4	-11	-3	-11	-9	-8	-4	-7	-8	-6	-6	-7	-10	-6	-6	-9		
17	-4	4	-2	-9	-14	-14	-6	-4	-8	-28	-41	-35	-28	-28	-43	-46	-40	-37	-35	-39	-40	-37	-33	-28		
18	-28	-24	-24	-24	-25	-25	-25	-22	-22	-29	-26	-24	-24	-26	-24	-25	-28	-28	-27	-25	-22	-21	-20	-19		
19	-18	-17	-19	-20	-16	-16	-16	-17	-16	-19	-19	-14	-12	-12	-13	-12	-19	-20	-21	-24	-24	-30	-29	-24		
20	-18	-15	-14	-15	-21	-19	-22	-24	-29	-32	-29	-33	-37	-40	-33	-28	-27	-29	-28	-29	-27	-28	-29	-25		
21	-24	-22	-20	-26	-30	-30	-29	-23	-20	-20	-25	-27	-31	-34	-30	-28	-28	-31	-27	-25	-22	-20	-17	-16		
22	-16	-16	-17	-22	-22	-23	-25	-24	-26	-27	-27	-26	-27	-25	-19	-19	-26	-28	-26	-29	-29	-32	-28	-21		
23	-18	-17	-21	-23	-29	-37	-37	-29	-23	-22	-17	-13	-13	-10	-8	-10	-10	-10	1	9	3	-8	-3	-15		
24	-19	-35	-56	-57	-55	-74	-77	-87	-70	-57	-65	-71	-61	-59	-51	-45	-44	-47	-46	-45	-46	-47	-43	-47		
25	-50	-43	-40	-47	-51	-57	-56	-48	-50	-43	-37	-41	-41	-36	-40	-39	-43	-44	-41	-44	-42	-48	-45	-42		
26	-41	-45	-49	-49	-40	-39	-55	-57	-58	-56	-46	-41	-45	-51	-63	-67	-75	-78	-73	-68	-65	-64	-61	-56		
27	-51	-49	-52	-48	-52	-53	-46	-44	-46	-44	-38	-35	-37	-40	-40	-41	-41	-40	-38	-35	-38	-42	-42	-37		
28	-35	-35	-36	-39	-40	-35	-35	-37	-35	-36	-33	-28	-29	-33	-35	-35	-34	-36	-35	-33	-36	-39	-42	-39		
29	-37	-37	-35	-31	-32	-34	-33	-30	-27	-25	-26	-27	-27	-26	-25	-25	-23	-22	-22	-24	-26	-28	-24	-25		
30	-26	-24	-22	-23	-20	-18	-13	-10	-9	2	18	17	13	13	-1	-20	-24	-23	-23	-23	-27	-32	-33	-28		

