



Bureau des Publications SIIG - Bulletin Mensuel n°98 - 05 - Mai 1998
 ISGI Publications Office Monthly Bulletin n°98 - 05 - May 1998

CONTENTS

Rapid Variations	- provisional determination of ssc and sfe	May 1998
Classification of days	- five international quietest days and most disturbed days	May 1998
aa	- hemispheric N, S, daily values and planetary half day and daily values	May 1998
	- musical diagram of aa (latest values)	May 1998 up to July 12 th 1998
Quiet periods	- truly magnetically very quiet (C) and quiet (K) periods of 24 and 48 hours, and 5 international quietest days (*)	May 1998
am, Km	- three hour indices values musical diagram of Km	May 1998
Am, ΣKm	- daily values	May 1998
Ap, ΣKp	- daily values	May 1998
Dst	- monthly tables of hourly indices	May 1998

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 1998

SSC - Storm Sudden Commencements

SFE - Solar Flare Effects

01 21 56 A : VAL DOU* HRB* NAG COI BJI SPT* PEN TEN HYB HER
 B : WNG* BDV* CLF MMB* EBR* KAK* HTY* KNY* LNP
 ETT CNB*
 C : NGK
 03 17 43 A : WNG* DOU* HRB NAG MMB COI BJI HTY KNY HYB
 B : CLF EBR* KAK ETT
 C : NGK VAL*
 si : SPT PEN QUE
 08 09 52 A : BJI
 B : HRB* HYB ETT
 C : QUE
 sfe : TEN
 15 14 51 A : WNG DOU HRB NAG* COI BJI LNP
 B : BDV EBR* HYB ETT
 C : NGK VAL CLF QUE
 29 15 36 A : DOU* HRB COI* BJI LNP
 B : WNG* VAL* HYB ETT
 C : NGK CLF* QUE
 si : EBR

03 0803-0838 SPT
 06 0801-0840 WNG NGK DOU
 BDV+ CLF EBR
 HYB ETT
 (ssc : BJI)
 08 0952-1016 TEN (see SSC)
 10 1317-1328 BDV+ TEN
 24 1438-1445 NAG
 28 1347-1413 BDV+
 29 0055-0110 MMB+
 29 0102-0109 LNP

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

DOB NUR WNG NGK VAL DOU BDV CLF HRB NAG MMB EBR COI BJI SPT PEN KAK HTY KNY QUE TEN LNP HYB ETT HER CNB

FIVE INTERNATIONAL QUIETEST DAYS

FIVE INTERNATIONAL MOST DISTURBED DAYS

May 1998	14	31	13	28K	6	4	3	2	5	29
-----------------	----	----	----	-----	---	---	---	---	---	----

Directeur de la Publication : J. PARIS - Edité le 21/07/98 par E. LEMAULF

Collaborateurs : J.O. CARDUS - J. GAPIHAN - T. KAMEI - M. MENVIELLE - M. SIEBERT - M. SUGIURA

Bureau des Publications SIIG - fondé par A. BERTHELIER

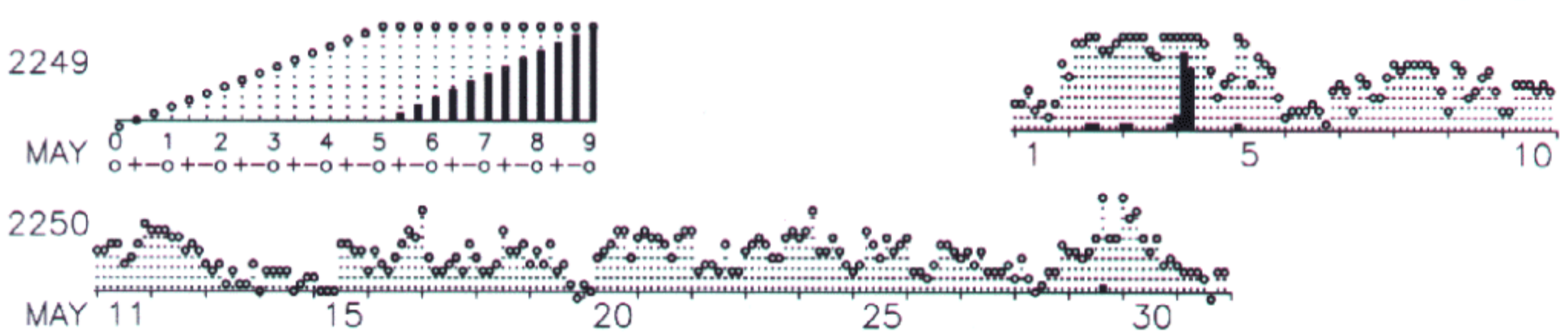
CETP 4, avenue Neptune - 94107 SAINT MAUR DES FOSSES CEDEX - FRANCE

Téléphone : +33 +1 45 11 42 47 -Télécopie : +33 +1 48 89 44 33

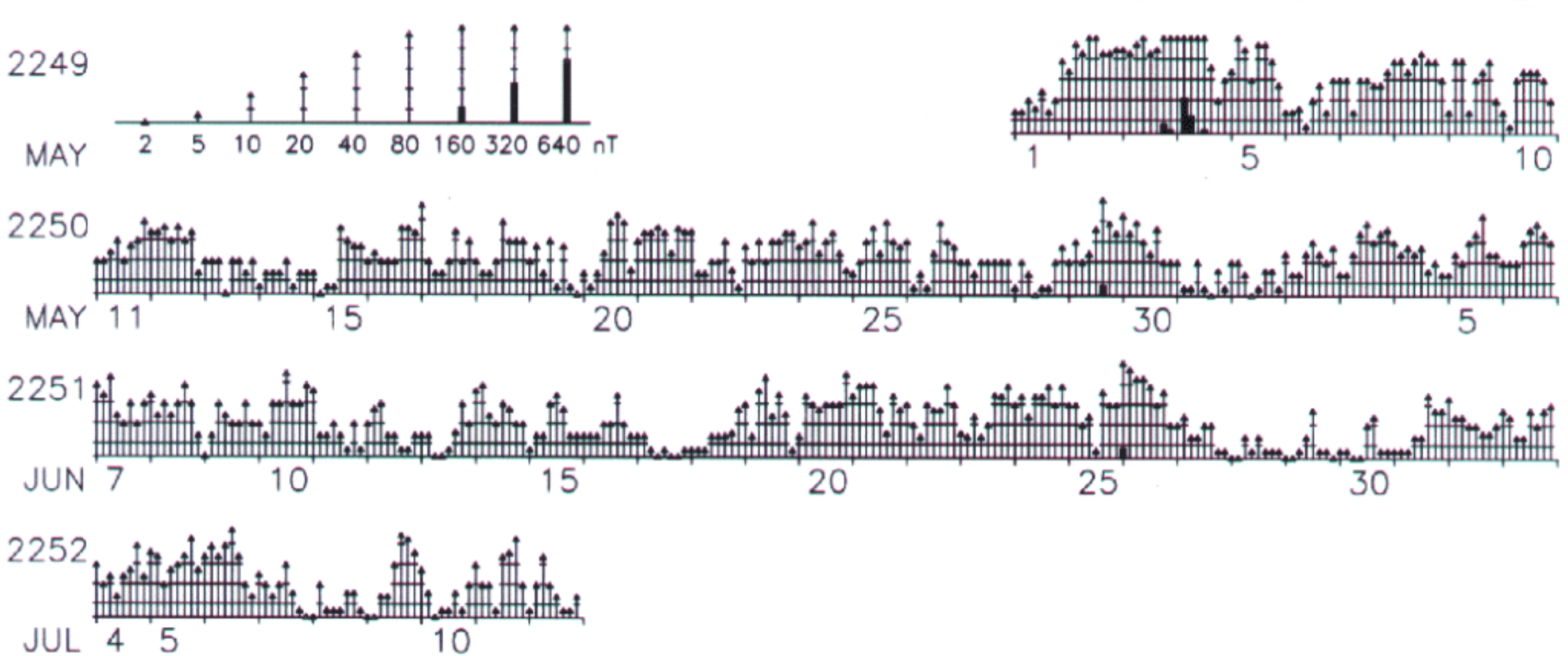
Email : INTERNET : Josette.PARIS@cetp.ipsl.fr

MAY 1998		Geomagnetic Indices (provisional)												Daily Average and Sum								
	aa					quiet days	am and Km for each three hour interval								Am		Σ Km		Ap		Σ Kp	
	N	S	am	pm	D		1	2	3	4	5	6	7	8	Am	Σ Km	Ap	Σ Kp				
1	17	12	9	20	15		11 2-	11 2-	19 2+	8 1+	12 2-	6 1o	13 2-	43 4-	15	15o	9	15o				
2	71	69	69	72	70		27 3o	72 5-	75 5-	114 5+	109 5+	64 4+	62 4+	80 5-	75	36+	63	43-				
3	93	78	78	94	86		106 5+	107 5+	103 5o	90 5o	68 4+	51 4o	91 5o	115 5+	91	39+	62	43+				
4	116	96	165	47	106		134 6-	445 8+	384 8-	87 5o	85 5-	34 3+	15 2o	25 3-	151	39+	101	44-				
5	59	54	56	56	56		30 3o	111 5+	80 5-	25 3-	55 4o	49 4-	34 3+	16 2o	50	29-	42	34+				
6	16	8	8	16	12	C *	7 1o	10 1+	8 1+	8 1+	13 2-	10 1+	5 1-	18 2+	10	11o	5	11o				
7	25	19	20	24	22		22 3-	20 2+	8 1+	27 3o	22 3-	15 2o	15 2o	33 3o	20	19o	10	19-				
8	45	41	42	43	43		47 4-	38 3+	42 4-	47 4-	46 4-	44 4-	39 3+	18 2+	40	27+	23	29o				
9	25	30	27	28	28		8 1+	43 4-	40 3+	14 2o	19 2+	31 3o	36 3+	18 2+	26	21+	13	21-				
10	22	21	17	25	21		10 1+	9 1+	22 3-	26 3-	26 3-	19 2+	24 3-	19 2+	19	18o	10	18+				
11	22	20	16	26	21		18 2+	18 2+	21 3-	25 3-	12 2-	16 2o	23 3-	43 4-	22	20o	11	20o				
12	23	34	32	26	29		39 3+	40 3+	39 3+	28 3o	27 3o	18 2+	22 3-	19 2+	29	23+	13	22-				
13	11	9	10	11	10	CK *	12 2-	10 1+	12 2-	5 1-	9 1+	5 1-	5 1-	12 2-	9	10-	5	10-				
14	8	7	7	8	8	CC *	3 0+	9 1+	9 1+	8 1+	8 1+	2 0+	5 1-	6 1o	6	8-	4	7o				
15	21	9	5	25	15	K	7 1o	3 0+	3 0+	3 0+	25 3-	22 3-	17 2+	18 2+	12	12o	7	13-				
16	26	16	13	30	21		10 1+	17 2+	13 2-	9 1+	15 2o	24 3-	34 3+	31 3o	19	18-	12	19o				
17	25	22	27	20	24		69 4+	14 2o	10 1+	8 1+	12 2-	16 2o	9 1+	24 3-	20	17-	12	17+				
18	21	19	10	30	20		14 2o	8 1+	10 1+	13 2-	37 3+	18 2+	18 2+	22 3-	18	17o	9	17o				
19	15	9	16	8	12	K	13 2-	18 2+	13 2-	22 3-	8 1+	12 2-	5 1-	0 0o	11	12o	5	11-				
20	29	20	9	40	24		5 1-	3 0+	14 2o	19 2+	26 3-	36 3+	39 3+	15 2o	20	17-	12	18o				
21	34	27	32	30	31		30 3o	37 3+	32 3o	30 3o	26 3-	16 2o	29 3o	35 3+	29	23+	13	22o				
22	19	9	15	13	14		39 3+	9 1+	12 2-	13 2-	9 1+	22 3-	9 1+	9 1+	15	15-	7	14-				
23	25	20	17	28	23		20 2+	24 3-	30 3o	21 3-	15 2o	14 2o	28 3o	40 3+	24	21o	11	20-				
24	22	25	27	20	23		27 3o	35 3+	68 4+	18 2+	19 2+	27 3o	18 2+	13 2-	28	22+	12	21o				
25	21	26	21	27	24		9 1+	13 2-	37 3+	23 3-	15 2o	32 3o	20 2+	21 3-	21	19o	10	18o				
26	23	13	11	26	18		33 3o	9 1+	8 1+	6 1o	12 2-	23 3-	22 3-	20 2+	17	16o	8	14+				
27	15	8	11	12	12	C	14 2o	18 2+	13 2-	17 2+	10 1+	8 1+	9 1+	13 2-	13	14o	6	12+				
28	12	5	7	11	9	CC *	7 1o	14 2o	7 1o	3 0+	5 1-	8 1+	10 1+	22 3-	10	10+	5	9+				
29	50	29	16	63	39		19 2+	19 2+	14 2o	17 2+	29 3o	110 5+	31 3o	32 3o	34	23+	26	26o				
30	32	27	40	19	30		90 5o	59 4o	65 4+	28 3o	19 2+	27 3o	12 2-	15 2o	39	25+	18	25-				
31	8	6	9	5	7	CK *	11 2-	8 1+	9 1+	9 1+	6 1o	1 0o	8 1+	9 1+	8	9+	4	8+				

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



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



Dst monthly table of hourly indices - May 1998

HOURLY EQUATORIAL DST VALUES (PROVISIONAL)

MAY 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	-16	-10	-14	-16	-17	-22	-23	-30	-25	-19	-15	-13	-11	-16	-14	-11	-13	-11	-9	-13	-14	-11	8	5		
2	-3	-3	2	0	-4	-17	-19	-38	-37	-16	-51	-76	-71	-81	-98	-89	-95	-100	-92	-85	-74	-66	-57	-50		
3	-44	-57	-59	-69	-73	-68	-85	-80	-75	-63	-63	-80	-62	-62	-55	-53	-68	-65	-58	-60	-74	-51	-66	-73		
4	-61	-59	-65	-89	-177	-216	-197	-187	-170	-132	-123	-136	-144	-115	-109	-111	-114	-109	-106	-102	-97	-94	-87	-83		
5	-93	-91	-87	-108	-138	-129	-120	-118	-120	-119	-117	-114	-109	-105	-109	-114	-112	-103	-101	-101	-103	-95	-86	-77		
6	-74	-73	-75	-79	-82	-81	-80	-79	-76	-78	-77	-76	-75	-78	-80	-79	-78	-81	-80	-78	-76	-73	-71	-68		
7	-62	-60	-63	-65	-61	-58	-58	-60	-62	-62	-66	-62	-60	-52	-48	-47	-49	-48	-41	-41	-36	-35	-35	-32		
8	-43	-55	-56	-52	-60	-59	-58	-64	-63	-54	-49	-48	-52	-50	-55	-56	-57	-52	-50	-58	-59	-62	-59	-53		
9	-50	-49	-50	-51	-52	-61	-62	-58	-57	-59	-56	-52	-47	-46	-46	-43	-49	-57	-61	-67	-67	-62	-60	-53		
10	-49	-41	-41	-42	-42	-40	-50	-58	-59	-57	-56	-52	-51	-51	-45	-44	-45	-46	-44	-44	-39	-38	-36	-39		
11	-42	-39	-44	-43	-45	-42	-40	-40	-41	-42	-47	-45	-42	-38	-35	-36	-38	-44	-45	-40	-41	-41	-45	-44		
12	-46	-50	-50	-47	-51	-57	-60	-57	-55	-54	-49	-46	-48	-49	-49	-47	-44	-47	-44	-45	-41	-45	-46	-40		
13	-38	-40	-42	-42	-39	-37	-37	-37	-39	-37	-37	-35	-33	-31	-32	-35	-36	-35	-35	-37	-38	-38	-37	-39		
14	-37	-35	-31	-28	-28	-27	-29	-31	-32	-33	-33	-33	-34	-34	-32	-30	-29	-28	-26	-25	-26	-24	-25	-26		
15	-27	-25	-24	-23	-20	-18	-15	-15	-18	-19	-21	-22	-22	-19	-14	-1	-3	-4	1	-5	-9	-8	-10	-9		
16	-10	-13	-14	-12	-5	-7	-8	-8	-16	-19	-21	-22	-21	-18	-18	-18	-17	-20	-31	-28	-30	-25	-30	-31		
17	-28	-37	-38	-40	-37	-34	-34	-33	-30	-28	-29	-29	-29	-30	-31	-33	-35	-35	-32	-28	-28	-27	-28	-30		
18	-33	-31	-31	-32	-34	-31	-31	-30	-27	-27	-29	-25	-21	-21	-24	-30	-38	-43	-44	-50	-50	-47	-46	-43		
19	-37	-35	-40	-48	-50	-49	-46	-42	-41	-43	-51	-43	-38	-30	-31	-35	-40	-41	-35	-32	-32	-32	-30	-28		
20	-26	-24	-23	-20	-18	-18	-15	-12	-14	-12	-8	-5	-6	-15	-24	-23	-31	-36	-44	-43	-45	-44	-41	-37		
21	-36	-32	-33	-34	-36	-41	-48	-45	-38	-36	-36	-35	-35	-35	-36	-43	-47	-48	-46	-47	-43	-40	-37	-38		
22	-38	-38	-37	-37	-37	-35	-35	-33	-27	-24	-30	-31	-28	-28	-31	-37	-33	-27	-24	-23	-27	-31	-29	-27		
23	-27	-27	-33	-40	-39	-40	-37	-36	-34	-36	-37	-38	-41	-40	-42	-39	-36	-33	-31	-28	-39	-50	-48	-49		
24	-40	-37	-35	-35	-43	-38	-49	-55	-47	-40	-36	-35	-37	-40	-36	-36	-34	-35	-39	-35	-35	-35	-29	-24		
25	-25	-24	-26	-31	-30	-23	-26	-33	-37	-43	-45	-39	-34	-30	-30	-33	-41	-51	-48	-50	-52	-56	-54	-50		
26	-46	-43	-39	-41	-41	-41	-41	-39	-36	-32	-31	-31	-28	-27	-27	-27	-32	-36	-42	-39	-40	-39	-33	-29		
27	-27	-30	-28	-25	-29	-24	-22	-22	-23	-21	-24	-22	-23	-25	-23	-22	-23	-24	-23	-25	-26	-26	-34	-35		
28	-35	-30	-29	-24	-18	-21	-21	-18	-19	-18	-17	-17	-17	-16	-16	-13	-12	-12	-11	-9	-5	-7	-8	-12		
29	-13	-11	-13	-12	-13	-11	-8	-7	-8	-7	-11	-14	-8	-4	-7	-6	-13	-15	-6	-6	-11	-19	-18	-12		
30	-30	-43	-58	-50	-45	-44	-44	-36	-35	-31	-29	-31	-32	-32	-30	-30	-37	-34	-32	-29	-31	-34	-35	-35		
31	-36	-37	-35	-35	-36	-36	-36	-34	-31	-29	-28	-30	-32	-32	-29	-29	-29	-30	-28	-27	-25	-25	-23	-23		

