

SERVICE INTERNATIONAL DES INDICES GEOMAGNETIQUES
 INTERNATIONAL SERVICE OF GEOMAGNETIC INDICES



Bureau des Publications SIIG - Bulletin Mensuel n°98 - 09 - Septembre 1998
 ISGI Publications Office Monthly Bulletin n°98 - 09 - September 1998

CONTENTS

Rapid Variations	- provisional determination of ssc and sfe	September 1998
Classification of days	- five international quietest days and most disturbed days	September 1998
aa	- hemispheric N, S, daily values and planetary half day and daily values	September 1998
	- musical diagram of aa (latest values)	September up to Nov. 15th 1998
Quiet periods	- truly magnetically very quiet (C) and quiet (K) periods of 24 and 48 hours, and 5 international quietest days (*)	September 1998
am, Km	- three hour indices values musical diagram of Km	September 1998
Am, ΣKm	- daily values	September 1998
Ap, ΣKp	- daily values	September 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.

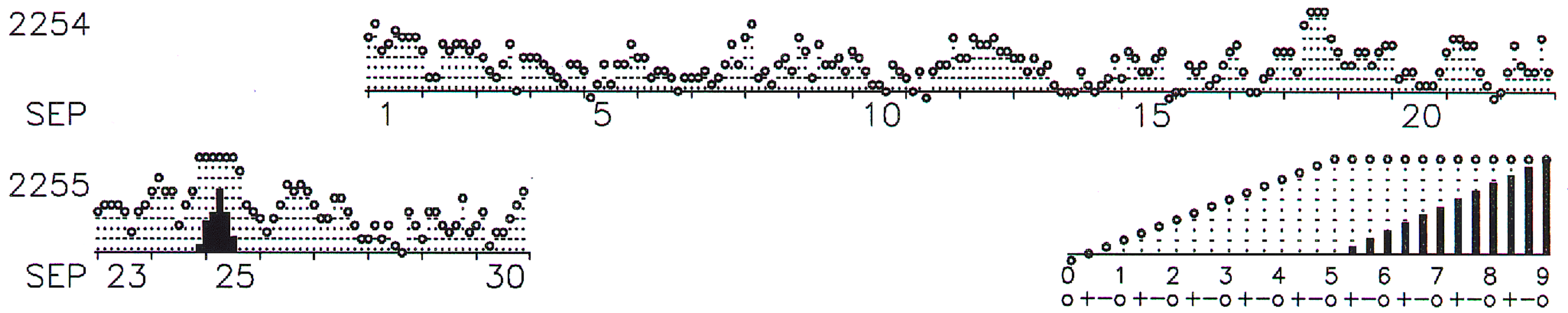
*This Bulletin is freely offered to interested Scientists thanks to a dotation from FAGS, and to the support of the hosting laboratory CETP and of French Organisations of Scientific Research (CNRS, INSU, BCMT).
 Special thanks are due to contributors (quoted below) for providing the here published geomagnetic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

PRELIMINARY REPORT ON RAPID VARIATIONS		SEPTEMBER 1998								
SSC - Storm Sudden Commencements		SFE - Solar Flare Effects								
24 23 45	A : WNG* CLF* HRB* NAG MMB* EBR* COI BJI PEN KAK* HTY* HTY* QUE LNP HYB ETT HER HER* B : NGK BDV*	04 0942-0951	BDV+							
		09 0455-0530	MMB+ KAK+ KNY+ LNP							
		17 1502-1516	TEN							
		20 1119-1138	BDV							
		23 0702-0712	BDV+							
		24 0811-0820	WNG							
		28 0653-0706	BDV+							
REPORTING OBSERVATORIES (up to the 5th of November 1998) :										
SOD NUR WNG NGK VAL BDV CLF HRB NAG MMB EBR COI BJI PEN KAK HTY KNY QUE TEN LNP HYB ETT HER CNB										
	FIVE INTERNATIONAL QUIETEST DAYS		FIVE INTERNATIONAL MOST DISTURBED DAYS							
September 1998	14	16	28	4	20	25	24	18	1*	26*

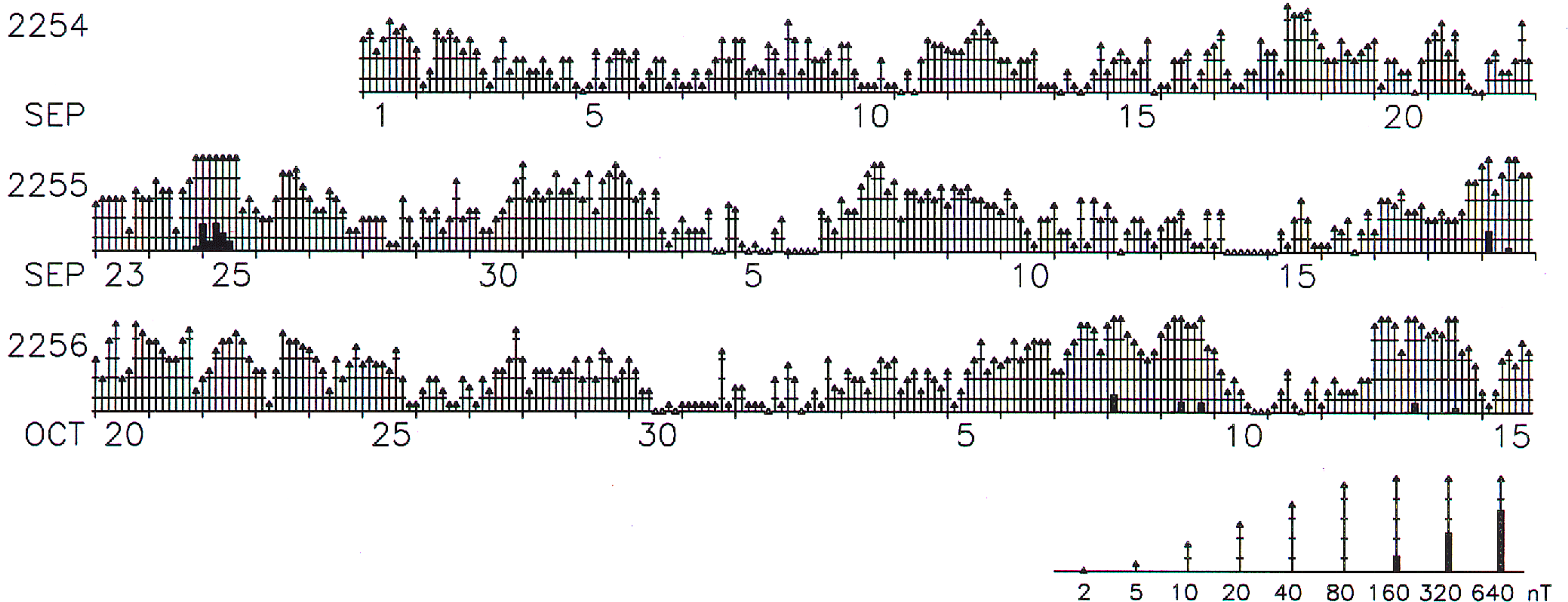
Directeur de la Publication : J. PARIS - Edité le 23/11/98 par E. LEMAULF
 Collaborateurs : J.O. CARDUS - J. GAPIHAN - T. KAMEI - M. MENVIELLE - M. SIEBERT - M. SUGIURA
 Bureau des Publications SIIG - fondé par A. BERTHELIER
 CETP 4, avenue Neptune - 94107 SAINT MAUR DES FOSSES CEDEX - FRANCE
 Téléphone : +33 +1 45 11 42 47 - Télécopie : +33 +1 48 89 44 33
 Email : INTERNET : Josette.PARIS@cetp.ipsl.fr

SEPTEMBER 1998						Geomagnetic Indices (provisional)								Daily Average and Sum				
	aa				D	quiet days	am and Km for each three hour interval								Sum			
	N	S	am	pm			1	2	3	4	5	6	7	8	Am	Σ Km	Ap	Σ Kp
1	31	28	24	35	29		29 3o	46 4-	20 2+	23 3-	35 3+	32 3o	29 3o	28 3o	30	24o	18	26o
2	23	17	16	24	20		18 2+	6 1o	6 1o	23 3-	20 2+	24 3-	22 3-	17 2+	17	17o	9	16+
3	16	11	13	14	14		26 3-	16 2o	8 1+	7 1o	13 2-	22 3-	3 0+	15 2o	14	14-	8	14-
4	11	8	10	9	10	CC *	15 2o	14 2o	12 2-	8 1+	6 1o	5 1-	11 2-	12 2-	10	12o	5	10+
5	10	9	7	12	10	CC	8 1+	1 0o	4 1-	12 2-	5 1-	11 2-	13 2-	23 3-	10	10+	5	9+
6	12	8	10	9	10	CC	14 2o	16 2o	6 1o	9 1+	10 1+	6 1o	2 0+	7 1o	9	10o	5	11-
7	13	7	6	14	10	CK	7 1o	6 1o	8 1+	5 1-	6 1o	13 2-	23 3-	13 2-	10	11o	6	11-
8	17	12	16	13	15		32 3o	42 4-	6 1o	8 1+	5 1-	12 2-	14 2o	10 1+	16	15-	9	15+
9	21	16	25	12	19		32 3o	17 2+	7 1o	21 3-	11 2-	11 2-	16 2o	8 1+	15	16-	8	14+
10	14	6	13	7	10	CC	19 2+	16 2o	10 1+	5 1-	4 1-	3 0+	11 2-	9 1+	10	10+	6	11-
11	16	7	4	19	12	KK	7 1o	2 0+	9 1+	0o	10 1+	13 2-	11 2-	27 3o	10	10+	6	11-
12	31	21	18	33	26		16 2o	16 2o	28 3o	23 3-	25 3-	32 3o	18 2+	20 2+	22	20o	12	21o
13	12	9	11	10	10	C	16 2o	14 2o	10 1+	14 2o	10 1+	12 2-	5 1-	2 0+	10	11+	6	11+
14	9	5	5	9	7	CC *	3 0+	3 0+	8 1+	5 1-	3 0+	4 1-	7 1o	14 2o	6	7-	4	7-
15	13	10	12	12	12	CC	7 1o	19 2+	16 2o	9 1+	8 1+	15 2o	18 2+	1 0o	12	12+	5	11-
16	9	11	9	11	10	CK *	3 0+	2 0+	12 2-	9 1+	11 2-	5 1-	7 1o	12 2-	8	9-	4	8o
17	17	11	16	11	14		18 2+	23 3-	8 1+	3 0+	2 0+	6 1o	9 1+	20 2+	11	12-	6	11+
18	47	38	30	55	42		18 2+	17 2+	10 1+	50 4-	66 4+	63 4+	68 4+	32 3o	41	26-	25	28-
19	17	16	17	16	17		17 2+	12 2-	12 2-	20 2+	19 2+	11 2-	17 2+	22 3-	16	17o	8	16-
20	10	10	13	8	10	C *	22 3-	6 1o	8 1+	9 1+	5 1-	5 1-	4 1-	8 1+	8	10-	5	9-
21	23	19	29	12	21		18 2+	30 3o	33 3o	21 3-	26 3-	9 1+	4 1-	0 0o	18	16-	12	17+
22	16	12	10	19	14		3 0+	10 1+	24 3-	12 2-	9 1+	10 1+	29 3o	10 1+	13	13o	7	13-
23	23	22	23	22	23		18 2+	21 3-	24 3-	22 3-	20 2+	10 1+	20 2+	24 3-	20	19o	11	20o
24	53	31	33	50	42		35 3+	55 4o	40 3+	39 3+	12 2-	22 3-	34 3+	105 5+	43	27o	28	29o
25	116	145	191	70	130		187 6+	240 7-	332 8-	230 7-	128 6-	68 4+	21 3-	19 2+	153	42+	117	48o
26	40	31	16	56	36		15 2o	10 1+	14 2o	26 3-	44 4-	40 3+	44 4-	34 3+	28	22o	17	24-
27	20	16	22	14	18		25 3-	16 2o	14 2o	28 3o	31 3o	17 2+	11 2-	7 1o	19	18-	10	19-
28	13	11	12	12	12	CC *	7 1o	11 2-	7 1o	12 2-	4 1-	3 0+	19 2+	11 2-	9	10+	4	9+
29	17	14	12	19	16		6 1o	19 2+	19 2+	12 2-	9 1+	12 2-	33 3o	10 1+	15	15-	7	14o
30	20	16	12	24	18		12 2-	18 2+	5 1-	8 1+	8 1+	16 2o	22 3-	36 3+	16	15+	9	16-

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



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



Dst monthly table of hourly indices - September 1998

HOURLY EQUATORIAL DST VALUES (PROVISIONAL)

SEPTEMBER 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	-47	-46	-42	-53	-61	-44	-28	-31	-31	-28	-32	-38	-51	-57	-61	-71	-77	-72	-67	-61	-53	-50	-50	-50	
2	-47	-45	-45	-47	-46	-43	-42	-42	-39	-34	-30	-37	-34	-34	-35	-33	-33	-37	-39	-38	-34	-38	-43	-46	
3	-44	-41	-44	-42	-40	-40	-38	-34	-30	-29	-29	-30	-24	-22	-29	-31	-32	-33	-31	-30	-30	-34	-35	-31	
4	-24	-24	-20	-18	-21	-24	-24	-21	-17	-18	-23	-23	-25	-23	-21	-18	-17	-15	-15	-16	-12	-9	-15	-19	
5	-19	-14	-12	-16	-17	-17	-18	-19	-18	-14	-13	-18	-18	-17	-15	-15	-19	-19	-20	-25	-28	-25	-25	-27	
6	-31	-31	-31	-27	-24	-20	-16	-14	-16	-10	-14	-16	-18	-17	-19	-22	-25	-23	-25	-28	-28	-29	-32	-30	
7	-26	-22	-18	-14	-15	-13	-13	-13	-14	-16	-18	-18	-17	-16	-19	-22	-27	-35	-45	-42	-35	-34	-33	-33	
8	-37	-39	-47	-53	-48	-42	-37	-33	-34	-38	-36	-31	-31	-31	-32	-34	-34	-32	-33	-39	-43	-44	-43	-43	
9	-40	-43	-48	-42	-35	-30	-29	-28	-28	-30	-36	-32	-24	-21	-21	-23	-24	-24	-24	-28	-31	-30	-30	-31	
10	-27	-28	-30	-34	-27	-19	-13	-12	-11	-14	-17	-14	-11	-9	-8	-13	-15	-14	-16	-18	-19	-19	-21	-21	
11	-19	-18	-18	-15	-11	-7	-3	-2	2	5	4	4	6	5	1	-2	-5	-8	-10	-12	-11	-12	-19	-24	
12	-27	-26	-24	-23	-22	-22	-20	-24	-27	-34	-39	-39	-40	-43	-47	-46	-44	-44	-46	-45	-45	-41	-38	-41	
13	-46	-44	-39	-34	-31	-28	-31	-33	-36	-34	-33	-27	-25	-29	-34	-34	-34	-34	-36	-36	-32	-30	-32	-32	
14	-31	-31	-33	-33	-33	-33	-35	-34	-33	-31	-30	-29	-27	-28	-29	-29	-29	-26	-24	-26	-25	-26	-27	-28	
15	-26	-24	-24	-27	-33	-34	-30	-30	-31	-27	-25	-24	-22	-21	-23	-28	-32	-37	-37	-33	-29	-28	-28	-28	
16	-29	-28	-28	-24	-19	-18	-21	-26	-30	-30	-29	-28	-28	-28	-25	-21	-22	-23	-21	-24	-26	-23	-24	-20	
17	-18	-19	-23	-24	-21	-14	-11	-13	-16	-16	-15	-11	-9	-8	-8	-9	-10	-12	-13	-13	-8	-9	-12	-4	
18	-4	-7	-8	-7	-11	-4	0	3	2	0	-17	-36	-44	-76	-63	-52	-57	-68	-59	-56	-62	-57	-51	-49	
19	-47	-43	-45	-51	-51	-49	-44	-42	-33	-28	-24	-30	-32	-36	-36	-34	-31	-34	-40	-39	-40	-39	-41	-43	
20	-40	-38	-36	-34	-33	-29	-25	-26	-29	-29	-27	-23	-22	-21	-22	-23	-23	-22	-25	-26	-27	-28	-25	-24	
21	-27	-25	-21	-20	-18	-27	-38	-40	-34	-36	-34	-31	-30	-30	-30	-30	-31	-29	-32	-34	-32	-29	-26	-25	
22	-26	-26	-30	-28	-27	-25	-28	-26	-25	-24	-24	-21	-15	-15	-18	-17	-18	-16	-19	-25	-25	-28	-30	-32	
23	-35	-35	-31	-24	-22	-18	-25	-18	-21	-25	-31	-35	-29	-27	-29	-34	-40	-41	-44	-45	-39	-35	-34	-36	
24	-47	-46	-41	-39	-43	-55	-65	-70	-61	-58	-51	-44	-40	-39	-41	-44	-42	-43	-49	-51	-47	-45	-48	-45	
25	0	-30	-93	-152	-169	-184	-220	-212	-213	-233	-220	-197	-175	-157	-142	-142	-111	-101	-90	-83	-82	-80	-77	-71	
26	-69	-59	-58	-59	-60	-60	-60	-62	-59	-55	-57	-59	-61	-70	-78	-83	-90	-93	-87	-80	-70	-65	-62	-61	
27	-65	-69	-70	-69	-69	-64	-58	-60	-60	-58	-63	-67	-62	-55	-53	-53	-55	-54	-52	-50	-48	-47	-46	-47	
28	-46	-45	-44	-46	-42	-38	-32	-30	-31	-32	-30	-33	-33	-32	-35	-36	-37	-35	-35	-36	-34	-33	-30	-30	
29	-33	-34	-36	-36	-40	-39	-38	-37	-37	-33	-31	-32	-29	-29	-32	-33	-34	-33	-32	-36	-33	-34	-32	-29	
30	-28	-28	-30	-30	-28	-19	-16	-16	-15	-20	-18	-13	-12	-9	-12	-16	-16	-17	-26	-28	-26	-29	-37	-57	

