

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° 97-05 - Mai 1997**  
**ISGI Publications Office Monthly Bulletin n° 97-05 - May 1997**

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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		MAY 1997
<p style="text-align: center;"><b>SSC - Storm Sudden Commencements</b></p> <p>01 12 43    A : HRB BJI TEN                      B : WNG DOU NAG SPT* HYB ETT                      C : NGK BDV CLF GCK MMB EBR* COI KAK HTY                              KNY QUE LNP</p> <p>15 01 59    A : WNG DOU HRB NAG GCK EBR* COI* BJI                              SPT* HTY QUE TEN LNP HYB ETT HER                      B : SOD* NUR NGK BDV* CLF MMB FRD KAK KNY</p> <p>20 06 01    A : COI BJI ETT                      B : SOD* SPT TEN LNP HYB                      C : EBR</p> <p>25 14 34    B : WNG DOU HRB                      C : NGK BDV BJI</p> <p>26 09 57    A : BJI                      B : WNG HRB TEN                      C : NGK BDV LNP HYB ETT</p>	<p style="text-align: center;"><b>SFE - Solar Flare Effects</b></p> <p>02 0803-0812    BDV</p>	

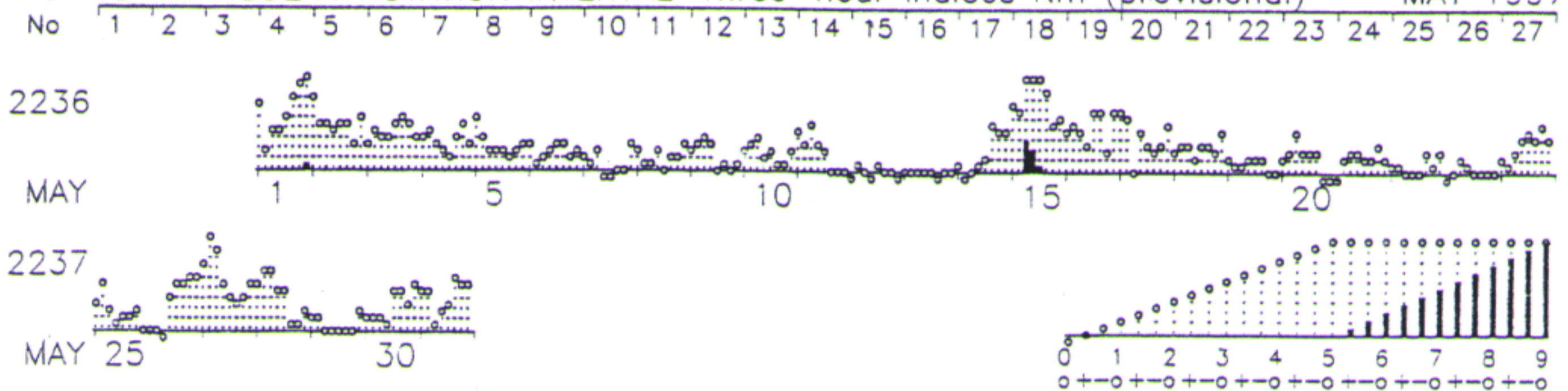
REPORTING OBSERVATORIES (up to the 3rd of July 1997) :  
 SOD DOB NUR WNG NGK DOU BDV CLF HRB NAG GCK MMB EBR  
 COI BJI SPT FRD KAK HTY KNY QUE TEN LNP HYB ETT HER

	FIVE INTERNATIONAL QUIETEST DAYS					FIVE INTERNATIONAL MOST DISTURBED DAYS				
<b>May 1997</b>	12	13	23	29	19	15	1	27	2*	16*

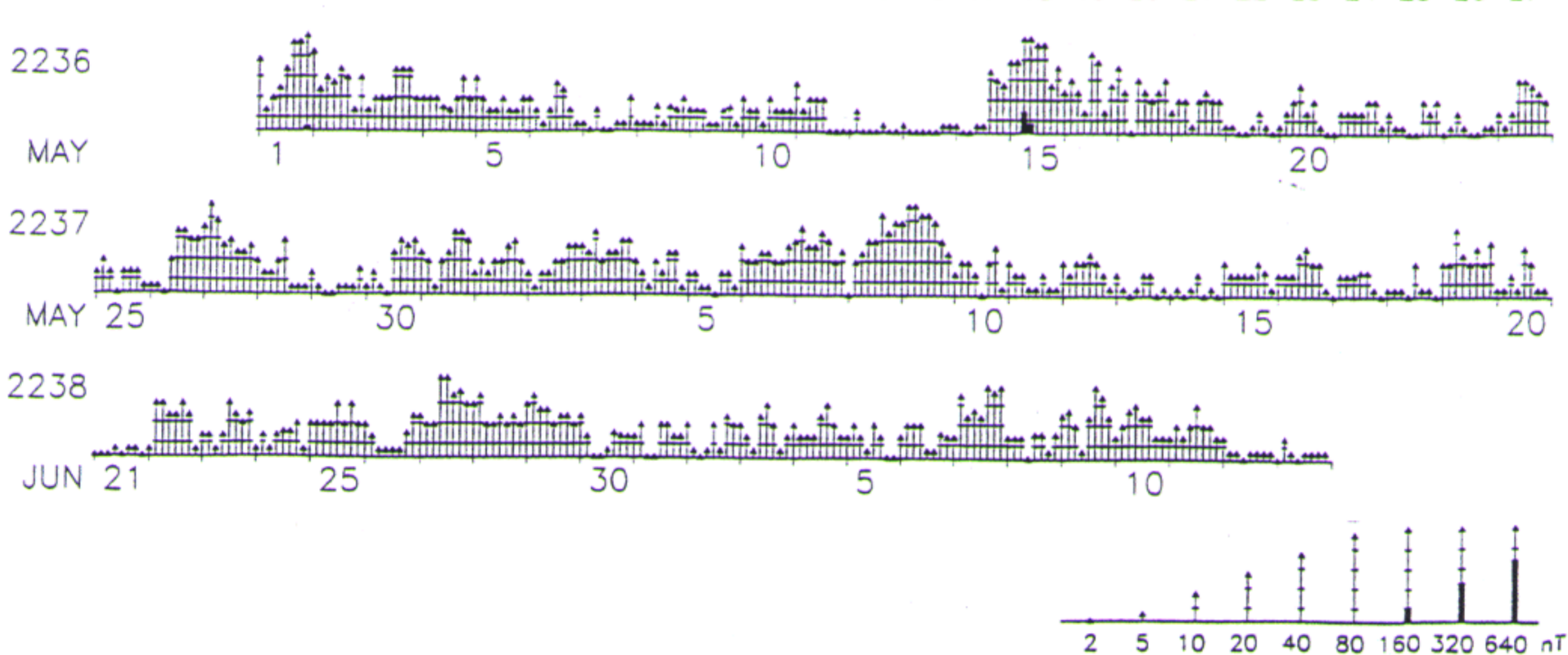
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 Bureau des Publications SIIG - fondé par A. BERTHELIER  
 CETP 4, avenue Neptune - 94107 SAINT MAUR DES FOSSES CEDEX - FRANCE  
 Téléphone : +33 +1 45 11 42 47 - Télécopie : +33 +1 48 89 44 33  
 Email : INTERNET : Josette.PARIS@cetp.ipsl.fr

MAY 1997		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	55	43	21	77	49		48 4-	10 1+	19 2+	19 2+	27 3o	55 4o	71 5-	114 5+	45	27-	29	27-
2	30	21	30	22	26		59 4o	25 3-	26 3-	17 2+	26 3-	21 3-	11 2-	27 3o	27	22-	14	21o
3	18	20	11	27	19		13 2-	17 2+	15 2o	15 2o	23 3-	29 3o	24 3-	14 2o	19	18+	9	17-
4	14	11	11	14	13	C	16 2o	17 2+	12 2-	10 1+	7 1o	14 2o	26 3-	12 2-	14	15-	8	15+
5	14	9	13	10	12	CC	31 3o	14 2o	10 1+	9 1+	9 1+	7 1o	10 1+	11 2-	13	13o	6	13-
6	9	11	8	12	10	CC	13 2-	5 1-	7 1o	8 1+	12 2-	13 2-	7 1o	9 1+	9	10o	4	8-
7	7	4	4	6	5	CC	6 1o	5 1-	9 1+	0 0o	0 0o	2 0+	2 0+	11 2-	4	5+	3	6o
8	8	6	6	9	7	CC	9 1+	5 1-	5 1-	10 1+	3 0+	6 1o	6 1o	11 2-	7	8o	4	7+
9	6	8	7	7	7	CC	10 1+	12 2-	14 2o	11 2-	3 0+	4 1-	3 0+	5 1-	8	9-	3	6+
10	8	9	8	9	9	CC	8 1+	11 2-	14 2o	6 1o	10 1+	5 1-	5 1-	9 1+	9	10o	4	9-
11	10	8	13	5	9	CC	19 2+	13 2-	21 3-	13 2-	9 1+	2 0+	2 0+	2 0+	10	11-	4	9o
12	4	3	4	3	3	CC*	1 0o	5 1-	2 0+	1 0o	4 1-	3 0+	2 0+	1 0o	2	2+	1	1+
13	4	2	3	4	3	CC*	3 0+	2 0+	2 0+	3 0+	2 0+	0 0o	3 0+	3 0+	2	2+	2	3o
14	15	9	4	20	12	K	4 1-	1 0o	2 0+	5 1-	6 1o	21 3-	19 2+	18 2+	10	10o	6	10+
15	66	94	105	55	80		45 4-	36 3+	180 6+	152 6o	109 5+	61 4+	24 3-	29 3o	80	35-	56	38+
16	28	21	16	33	25		20 2+	22 3-	17 2+	11 2-	39 3+	34 3+	8 1+	38 3+	24	20+	10	18+
17	21	16	20	17	18		39 3+	27 3o	3 0+	17 2+	13 2-	9 1+	13 2-	21 3-	18	16+	9	17-
18	13	9	9	13	11	CC	9 1+	11 2-	11 2-	7 1o	11 2-	11 2-	9 1+	19 2+	11	13-	5	10o
19	6	3	4	5	4	CC*	7 1o	5 1-	4 1-	6 1o	6 1o	6 1o	3 0+	2 0+	5	6o	3	5-
20	8	10	11	7	9	CC	7 1o	10 1+	19 2+	10 1+	8 1+	10 1+	1 0o	1 0o	8	9-	4	7+
21	9	7	7	9	8	CC	0 0o	6 1o	8 1+	8 1+	7 1o	7 1o	11 2-	6 1o	7	8+	4	7o
22	8	6	5	9	7	CC	5 1-	5 1-	2 0+	2 0+	2 0+	8 1+	5 1-	10 1+	5	6-	3	6-
23	4	5	5	4	4	CC*	1 0o	3 0+	7 1o	4 1-	3 0+	2 0+	2 0+	3 0+	3	3+	2	4+
24	17	12	11	18	15	C	7 1o	4 1-	9 1+	16 2o	18 2+	15 2o	22 3-	15 2o	13	14o	7	14+
25	8	7	8	7	7	CC	13 2-	23 3-	9 1+	5 1-	6 1o	6 1o	8 1+	3 0+	9	10o	4	9+
26	19	15	6	28	17		3 0+	3 0+	1 0o	15 2o	24 3-	23 3-	27 3o	28 3o	16	14o	8	14-
27	25	30	6	19	32		46 4-	91 5o	63 4+	22 3-	15 2o	12 2-	14 2o	22 3-	36	24o	21	23o
28	10	10	10	10	10	CC	25 3-	35 3+	37 3+	19 2+	18 2+	5 1-	4 1-	9 1+	19	17-	5	10o
29	7	4	4	6	5	CC*	6 1o	6 1o	2 0+	3 0+	3 0+	2 0+	2 0+	8 1+	4	5o	2	4o
30	17	9	5	21	13	KC	6 1o	7 1o	7 1o	4 1-	17 2+	17 2+	11 2-	24 3-	12	13-	6	12o
31	20	18	11	25	19		19 2+	18 2+	5 1-	10 1+	13 2-	31 3o	23 3-	26 3-	18	17-	8	15+

ROT DAY IN SOLAR ROTATION INTERVAL Three-hour indices Km (provisional) MAY 1997



ROT DAY IN SOLAR ROTATION INTERVAL Three-hour indices aa (logscale) MAY-JUL 1997



Bureau des Publications SIIG - Bulletin Mensuel n° 97 - 5 - may - 1997  
 Dst monthly table of hourly indices - May 1997

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HOURLY EQUATORIAL DST VALUES (PROVISIONAL)

MAY 1997

DAY	UNIT=NT		MAY 1997																								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	23	24		
1	-22	-17	-14	-12	-11	-7	-9	-18	-17	-16	-13	-11	-6	5	7	-3	2	-15	-16	-31	-46	-54	-51	-56	-54	-51	-56	
2	-59	-55	-53	-54	-52	-52	-48	-46	-38	-32	-32	-31	-29	-30	-27	-24	-27	-26	-27	-27	-25	-21	-21	-21	-21	-21	-21	
3	-19	-19	-20	-20	-22	-21	-20	-21	-21	-26	-28	-26	-19	-16	-23	-26	-29	-27	-28	-29	-28	-25	-22	-22	-22	-22	-22	
4	-21	-21	-21	-23	-20	-20	-23	-24	-19	-17	-16	-15	-14	-18	-17	-17	-18	-22	-22	-23	-24	-22	-15	-12	-12	-12	-12	
5	-11	-12	-6	-7	-11	-11	-11	-11	-15	-17	-18	-21	-17	-15	-15	-17	-16	-16	-16	-18	-19	-18	-15	-14	-14	-14	-14	
6	-13	-10	-8	-6	-5	-8	-8	-10	-8	-8	-10	-14	-15	-16	-14	-14	-14	-17	-22	-21	-20	-18	-18	-17	-17	-17	-17	
7	-18	-18	-16	-12	-11	-11	-11	-10	-7	-6	-6	-6	-5	-2	0	0	-3	-5	-4	-3	-1	-4	-6	-7	-7	-7	-7	
8	-6	-6	-4	-4	-2	-1	-1	-5	-7	-11	-11	-9	-6	-5	-3	-2	-4	-3	-2	-3	-2	0	2	0	0	0	0	
9	-1	0	-2	-7	-6	-4	-5	-12	-14	-13	-11	-8	-9	-10	-11	-10	-8	-8	-11	-11	-11	-9	-5	-5	-5	-5	-5	
10	-4	-3	-2	0	3	1	-6	-7	-3	0	0	-2	-6	-11	-10	-7	-7	-7	-5	-5	-2	1	-3	-8	-8	-8	-8	
11	-13	-6	-3	-1	1	1	2	-10	-8	-5	-4	-2	-2	-5	-5	-6	-6	-6	-7	-8	-8	-6	-3	-2	-2	-2	-2	
12	-2	-2	-1	-1	-2	-1	0	-1	0	1	2	2	2	1	3	3	2	2	3	3	5	6	7	6	6	6	6	
13	4	5	5	7	7	7	9	9	8	9	8	7	7	7	6	5	4	2	1	4	7	9	9	8	8	8	8	
14	8	9	9	8	8	8	7	7	9	10	12	12	10	8	7	4	7	4	-3	0	1	-1	0	-2	-2	-2	-2	
15	1	8	31	24	11	11	-2	-78	-97	-90	-125	-160	-166	-155	-150	-127	-105	-94	-83	-71	-68	-56	-41	-43	-43	-43	-43	
16	-35	-21	-21	-31	-38	-35	-30	-35	-38	-39	-35	-32	-32	-42	-59	-59	-58	-50	-46	-42	-38	-35	-34	-35	-35	-35	-35	
17	-27	-24	-36	-41	-46	-49	-47	-47	-43	-35	-32	-34	-29	-31	-30	-32	-32	-36	-36	-34	-33	-29	-26	-25	-25	-25	-25	
18	-27	-24	-25	-28	-29	-30	-29	-30	-26	-24	-21	-17	-15	-12	-16	-16	-15	-10	-10	-10	-11	-13	-14	-12	-12	-12	-12	
19	-12	-16	-17	-18	-16	-17	-19	-18	-17	-14	-11	-9	-11	-11	-13	-15	-14	-15	-14	-14	-11	-10	-12	-14	-14	-14	-14	
20	-12	-12	-12	-12	-14	-15	3	8	10	9	9	5	2	1	-1	-5	-11	-12	-11	-11	-10	-6	-6	-8	-8	-8	-8	
21	-8	-5	-3	-1	-2	-1	-2	-3	-5	-8	-7	-6	-4	-3	0	-4	-7	-7	0	-2	-4	-3	-2	-3	-3	-3	-3	
22	-5	-3	3	3	2	-1	-4	-6	-5	-4	-4	0	4	5	6	6	9	10	5	1	-1	-5	-6	-7	-7	-7	-7	
23	-6	-5	-5	-5	-3	-3	-4	-2	0	-3	-4	-3	-1	2	4	4	6	7	7	6	5	5	3	0	0	0	0	
24	5	6	7	7	10	12	12	11	7	-3	-9	-8	-4	-4	-2	-2	-7	-15	-20	-20	-22	-20	-22	-25	-25	-25	-25	
25	-22	-20	-20	-21	-20	-21	-21	-20	-16	-12	-10	-11	-11	-10	-6	1	5	7	5	5	4	4	5	3	3	3	3	
26	3	7	7	4	3	4	6	3	2	2	12	13	4	-1	-3	-1	-3	-7	-8	-9	-11	-8	-15	-24	-24	-24	-24	
27	-33	-41	-50	-62	-70	-70	-73	-68	-58	-51	-49	-44	-41	-39	-40	-40	-43	-45	-46	-47	-42	-39	-36	-28	-28	-28	-28	
28	-28	-22	-18	-20	-19	-20	-19	-21	-20	-18	-19	-20	-25	-22	-17	-14	-15	-14	-17	-17	-16	-15	-13	-12	-12	-12	-12	
29	-12	-10	-10	-11	-10	-10	-9	-9	-8	-8	-7	-7	-7	-8	-8	-8	-7	-6	-4	-3	-4	-5	-5	-2	-2	-2	-2	
30	1	6	9	9	6	3	0	2	4	6	6	4	-1	-5	-5	-11	-12	-16	-16	-20	-23	-18	-9	-3	-3	-3	-3	
31	-2	-3	-7	-7	-11	-11	-8	-6	-6	-6	-6	-5	-7	-9	-12	-12	-14	-7	-7	-2	-6	-8	-9	-10	-10	-10	-10	

