



**Bureau des Publications SIIIG - Bulletin Mensuel n°97 - 10 - Octobre 1997**  
**ISGI Publications Office Monthly Bulletin n°97 - 10 - October 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		OCTOBER 1997	
<b>SSC - Storm Sudden Commencements</b>		<b>SFE - Solar Flare Effects</b>	
01 00 59	A: WNG* NAG* COI SPT QUE TEN LNP HER B: NUR VAL BDV* CLF GCK MMB* EBR* BJI KNY* QUE ETT CNB*	14	1006-1020 BDV
	C: NGK KAK HYB	17	0857-0912 CLF TEN
10 16 12	A: HRB* SPT TEN B: DOB WNG* VAL BDV* NAG* MMB* COI HTY KNY* QUE LNP	23	1158-1216 EBR TEN
	C: NGK CLF GCK* EBR KAK HYB ETT HER	27	0608-0622 QUE
23 08 04	B: WNG* HRB* ETT C: NGK BDV QUE CNB*		
24 10 50	A: QUE B: WNG* SPT* C: NGK BDV*		
24 11 14	A: HRB* B: DOB* GCK* LNP ETT C: EBR HYB		
REPORTING OBSERVATORIES (up to th 2nd of December 1997) :			
DOB NUR WNG NGK VAL BDV CLF HRB NAG GCK MMB EBR COI BJI SPT KAK HTY KNY QUE TEN LNP HYB ETT HER CNB			

	FIVE INTERNATIONAL QUIETEST DAYS					FIVE INTERNATIONAL MOST DISTURBED DAYS				
October 1997	25	19	7	26	2	3	10*	18	9*	4*

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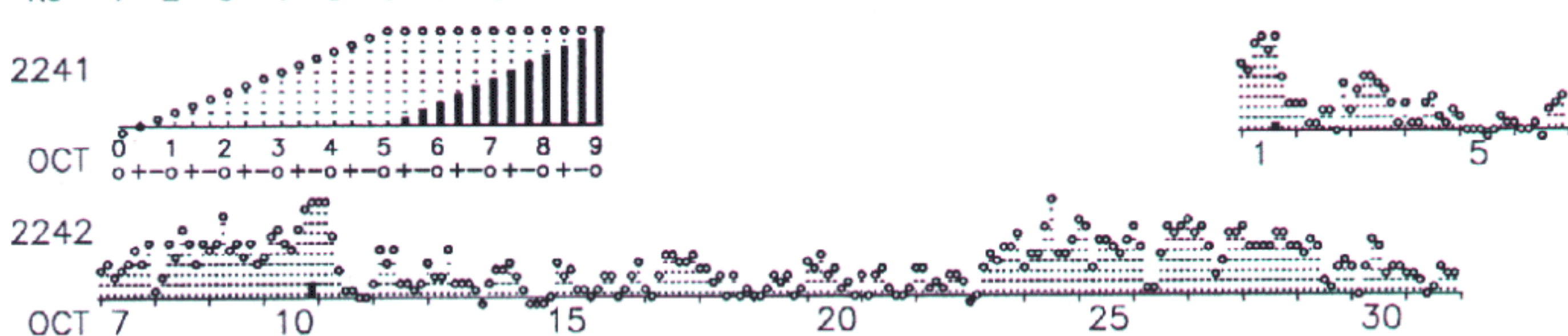
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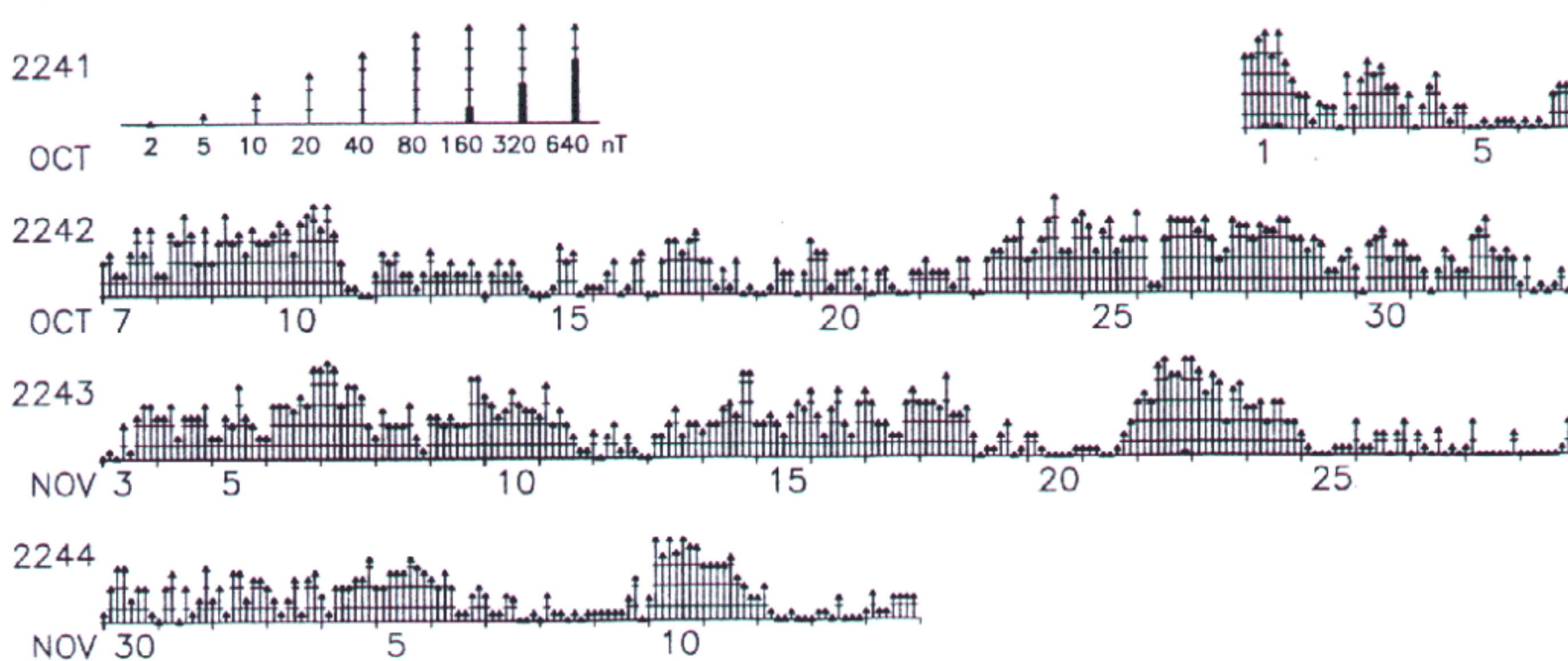
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OCTOBER 1997						Geomagnetic Indices (provisional)								Daily Average and Sum				
	aa				D	quiet days	am and Km for each three hour interval								Am Σ Km		Ap Σ Kp	
	N	S	am	pm			1	2	3	4	5	6	7	8				
1	62	64	72	55	63		42 4-	37 3+	77 5-	102 5o	65 4+	115 5+	32 3o	13 2-	60	31o	46	36-
2	9	11	10	11	10	C	11 2-	11 2-	5 1-	5 1-	9 1+	8 1+	3 0+	26 3-	10	10+	5	10-
3	15	26	23	18	20		9 1+	18 2+	31 3o	31 3o	24 3-	17 2+	13 2-	4 1-	18	17o	8	16-
4	9	11	10	11	10	CK	11 2-	5 1-	4 1-	11 2-	15 2o	6 1o	4 1-	8 1+	8	10-	4	8o
5	5	4	4	4	4	CC*	6 1o	2 0+	2 0+	2 0+	1 0o	3 0+	6 1o	4 1-	3	4o	2	3+
6	7	8	4	12	8	CC	4 1-	3 0+	2 0+	4 1-	1 0o	10 1+	12 2-	14 2o	6	7o	3	5+
7	23	14	11	27	19		12 2-	15 2o	9 1+	12 2-	14 2o	26 3-	15 2o	32 3o	17	16+	9	17-
8	30	23	18	35	27		4 1-	8 1+	33 3o	20 2+	46 4-	29 3o	16 2o	33 3o	24	19o	14	21o
9	34	23	30	27	29		22 3-	32 3o	62 4+	23 3-	27 3o	19 2+	30 3o	16 2o	29	23o	17	25o
10	45	39	34	50	42		20 2+	37 3+	50 4-	33 3o	23 3-	46 4-	75 5-	132 6-	52	29o	30	30+
11	27	17	40	4	22		101 5o	99 5o	39 3+	11 2-	4 1-	5 1-	2 0+	2 0+	33	17o	25	19o
12	11	9	13	7	10	CC	6 1o	23 3-	14 2o	25 3-	7 1o	7 1o	5 1-	7 1o	12	12o	6	11o
13	12	8	11	9	10	CC	16 2o	10 1+	10 1+	24 3-	7 1o	7 1o	7 1o	5 1-	11	11o	6	12-
14	6	9	8	7	7	CC	1 0o	6 1o	12 2-	11 2-	14 2o	9 1+	4 1-	1 0o	7	8+	3	6+
15	7	10	7	9	8	CC*	1 0o	1 0o	2 0+	14 2o	10 1+	13 2-	4 1-	4 1-	6	7-	2	5-
16	7	9	8	9	8	CC*	3 0+	5 1-	10 1+	8 1+	2 0+	4 1-	8 1+	14 2o	7	8o	3	6-
17	15	19	10	24	17	K	4 1-	3 0+	8 1+	17 2+	18 2+	15 2o	15 2o	17 2+	12	13+	6	12o
18	6	10	10	6	8	CK	11 2-	11 2-	6 1o	8 1+	2 0+	10 1+	3 0+	5 1-	7	8+	4	7+
19	5	7	5	7	6	CC*	3 0+	2 0+	4 1-	10 1+	7 1o	8 1+	2 0+	5 1-	5	6o	3	5o
20	13	10	15	8	11	CC	16 2o	13 2-	18 2+	8 1+	11 2-	4 1-	7 1o	3 0+	10	11o	5	11-
21	5	6	7	4	6	CC*	8 1+	2 0+	9 1+	11 2-	5 1-	3 0+	2 0+	5 1-	6	7-	3	6-
22	10	8	9	9	9	CC	12 2-	11 2-	5 1-	6 1o	5 1-	8 1+	10 1+	6 1o	8	9+	4	9-
23	19	17	8	27	18		1 0o	2 0+	13 2-	18 2+	15 2o	22 3-	23 3-	34 3+	16	15o	7	14-
24	34	36	25	45	35		13 2-	18 2+	20 2+	49 4-	95 5o	19 2+	20 2+	28 3o	33	23-	20	25+
25	40	24	36	28	32		56 4o	45 4-	12 2-	30 3o	33 3o	21 3-	20 2+	27 3o	31	23+	20	26o
26	39	24	23	40	32		49 4-	22 3-	5 1-	4 1-	20 2+	41 4-	36 3+	44 4-	28	21-	18	23-
27	36	29	37	28	32		54 4o	35 3+	48 4-	21 3-	9 1+	15 2o	40 3+	35 3+	32	24-	19	25+
28	34	35	33	37	35		43 4-	23 3-	24 3-	22 3-	24 3-	35 3+	37 3+	23 3-	29	24-	15	24-
29	13	19	21	11	16		23 3-	18 2+	28 3o	25 3-	6 1o	4 1-	12 2-	14 2o	16	16o	8	15-
30	19	16	14	21	17		12 2-	3 0+	13 2-	31 3o	25 3-	10 1+	13 2-	11 2-	15	14o	7	14-
31	10	9	9	11	10	C	10 1+	9 1+	7 1o	3 0+	5 1-	12 2-	9 1+	8 1+	8	9o	5	10-

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



ROT DAY IN SOLAR ROTATION INTERVAL Three-hour indices aa (logscale) OCT-DEC 1997



Dst monthly table of hourly indices - October 1997

HOURLY EQUATORIAL DST VALUES (PROVISIONAL)

OCTOBER 1997

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	-5	10	4	-2	1	-9	-21	-17	-26	-47	-65	-66	-62	-79	-95	-108	-98	-85	-70	-67	-62	-56	-55	-47	
2	-39	-36	-37	-35	-38	-38	-34	-29	-27	-26	-25	-28	-28	-26	-26	-28	-25	-24	-27	-28	-27	-28	-29	-21	
3	-8	-9	-9	-11	-16	-11	-2	-14	-22	-20	-16	-18	-19	-11	-11	-14	-19	-23	-26	-29	-31	-27	-24	-23	
4	-23	-22	-19	-18	-14	-12	-10	-7	-7	-7	-6	-12	-18	-25	-21	-17	-16	-15	-15	-14	-13	-12	-13	-12	
5	-14	-16	-16	-15	-14	-12	-11	-8	-6	-8	-9	-8	-8	-7	-7	-7	-7	-8	-8	-10	-10	-5	-5	-6	
6	-7	-10	-10	-9	-8	-7	-5	-2	-1	-3	-4	-4	-3	-3	-3	-2	-3	-7	-6	-8	-10	-5	-6	-4	
7	-1	-2	-7	-7	-7	-9	-10	-8	-8	-13	-15	-18	-19	-21	-24	-21	-17	-14	-15	-18	-13	-14	-20	-16	
8	-11	-10	-11	-9	-7	-8	-15	-23	-23	-19	-19	-17	-31	-36	-31	-36	-34	-30	-26	-23	-22	-25	-25	-26	
9	-27	-28	-28	-29	-33	-39	-39	-33	-26	-32	-30	-29	-33	-35	-31	-30	-30	-28	-31	-31	-36	-40	-36	-33	
10	-29	-31	-32	-25	-32	-41	-48	-52	-48	-49	-47	-43	-42	-33	-25	-21	-14	-13	-38	-65	-58	-60	-65	-81	
11	-94	-108	-113	-120	-107	-97	-91	-87	-75	-67	-64	-62	-58	-55	-54	-49	-49	-48	-46	-43	-40	-35	-33	-31	
12	-30	-30	-32	-37	-42	-45	-42	-42	-39	-46	-47	-45	-43	-41	-40	-40	-40	-39	-35	-35	-33	-32	-30	-31	
13	-28	-30	-33	-35	-37	-39	-40	-38	-40	-43	-42	-43	-40	-37	-36	-38	-38	-37	-36	-34	-31	-28	-26	-23	
14	-20	-17	-16	-16	-17	-20	-19	-20	-20	-24	-24	-25	-29	-27	-24	-22	-20	-19	-21	-20	-18	-16	-16	-14	
15	-13	-12	-11	-12	-14	-14	-12	-10	-10	-10	-13	-20	-24	-25	-24	-25	-26	-29	-27	-25	-23	-23	-21	-20	
16	-17	-14	-13	-11	-9	-10	-10	-14	-13	-14	-10	-6	-3	-4	-5	-6	-5	-3	-2	-3	-4	-5	-4	-3	
17	-1	2	1	-1	-5	-5	-5	-2	1	8	6	4	-1	-6	-14	-15	-17	-11	-7	-8	-10	-11	-13	-12	
18	-9	-7	-9	-11	-15	-16	-13	-14	-15	-19	-18	-16	-13	-13	-14	-13	-9	-6	-6	-7	-8	-11	-12	-11	
19	-10	-9	-7	-7	-9	-9	-8	-6	-10	-9	-10	-10	-9	-6	-6	-6	-8	-9	-9	-8	-7	-10	-11	-14	
20	-15	-11	-9	-10	-9	-11	-15	-13	-10	-8	-6	-8	-11	-10	-11	-10	-9	-8	-8	-8	-9	-10	-11	-10	
21	-10	-11	-9	-8	-8	-9	-10	-11	-11	-10	-9	-6	-6	-6	-4	-3	-2	-1	0	-1	1	7	6	5	
22	6	6	1	-2	1	2	7	9	3	-2	-3	-1	-3	-5	-6	-7	-8	-8	-8	-12	-10	-8	-5	-3	
23	-3	-6	-5	-3	-4	-6	-5	-5	1	2	-2	4	15	17	19	15	5	0	-5	-3	-7	-12	-15	-18	
24	-21	-29	-27	-24	-21	-24	-26	-30	-35	-36	-32	-22	-52	-64	-38	-28	-31	-36	-32	-19	-19	-15	-22	-23	
25	-34	-47	-54	-57	-51	-51	-47	-41	-39	-44	-47	-45	-42	-39	-42	-41	-37	-37	-39	-36	-32	-30	-30	-35	
26	-41	-44	-43	-42	-45	-44	-42	-39	-38	-38	-36	-35	-32	-29	-30	-36	-44	-48	-44	-40	-37	-36	-32	-30	
27	-31	-35	-31	-29	-35	-37	-42	-36	-31	-32	-29	-32	-29	-25	-24	-24	-28	-27	-33	-37	-45	-51	-55	-52	
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31	-10	-12	-15	-18	-15	-16	-15	-15	-15	-14	-13	-14	-15	-15	-14	-13	-15	-14	-15	-14	-11	-9	-6	-2	

