



**Bureau des Publications SIIIG - Bulletin Mensuel n°98 - 10 - Octobre 1998**  
**ISGI Publications Office Monthly Bulletin n°98 - 10 - October 1998**

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Explanations about published data are given in Special Issue 1994 of ISGI Monthly Bulletin.

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**RELIMINARY REPORT ON RAPID VARIATIONS**

**OCTOBER 1998**

**SSC - Storm Sudden Commencements**

02 07 26	A : SOD* WNG* CLF* COI BJI LNP HYB ETT B : VAL BDV* HRB* NAG* GCK* SPT* TEN* C : NGK
06 16 30	A : WNG* SPT B : NUR* HRB NAG COI BJI C : NGK VAL BDV* TEN LNP HYB ETT si : EBR
18 19 52	A : NAG SPT B : WNG NGK BDV CLF HRB MMB EBR COI KAK HTY KNY LNP HYB ETT C : VAL GCK

**SFE - Solar Flare Effects**

05	1019-1035	BDV
10	1102-1115	NAG
11	0453-0504	HYB ETT
17	1501-1518	EBR
18	0132-0155	KNY+
18	0140-0205	MMB+ KAK+

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

SOD DOB NUR WNG NGK VAL BDV CLF HRB NAG GCK MMB EBR COI BJI SPT KAK HTY KNY TEN LNP HYB ETT

**FIVE INTERNATIONAL QUIETEST DAYS**

**FIVE INTERNATIONAL MOST DISTURBED DAYS**

<b>October 1998</b>	16	5	14	4	6	19	2	7	1	21
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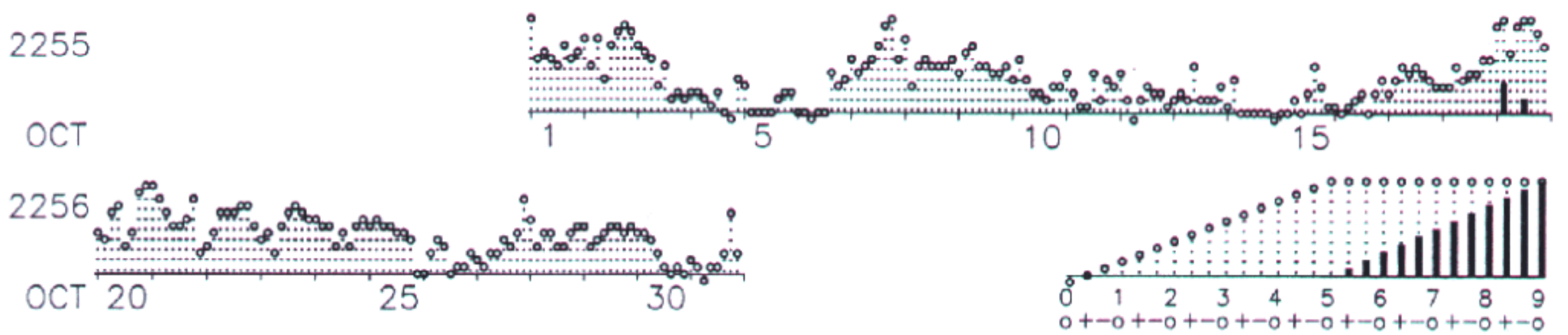
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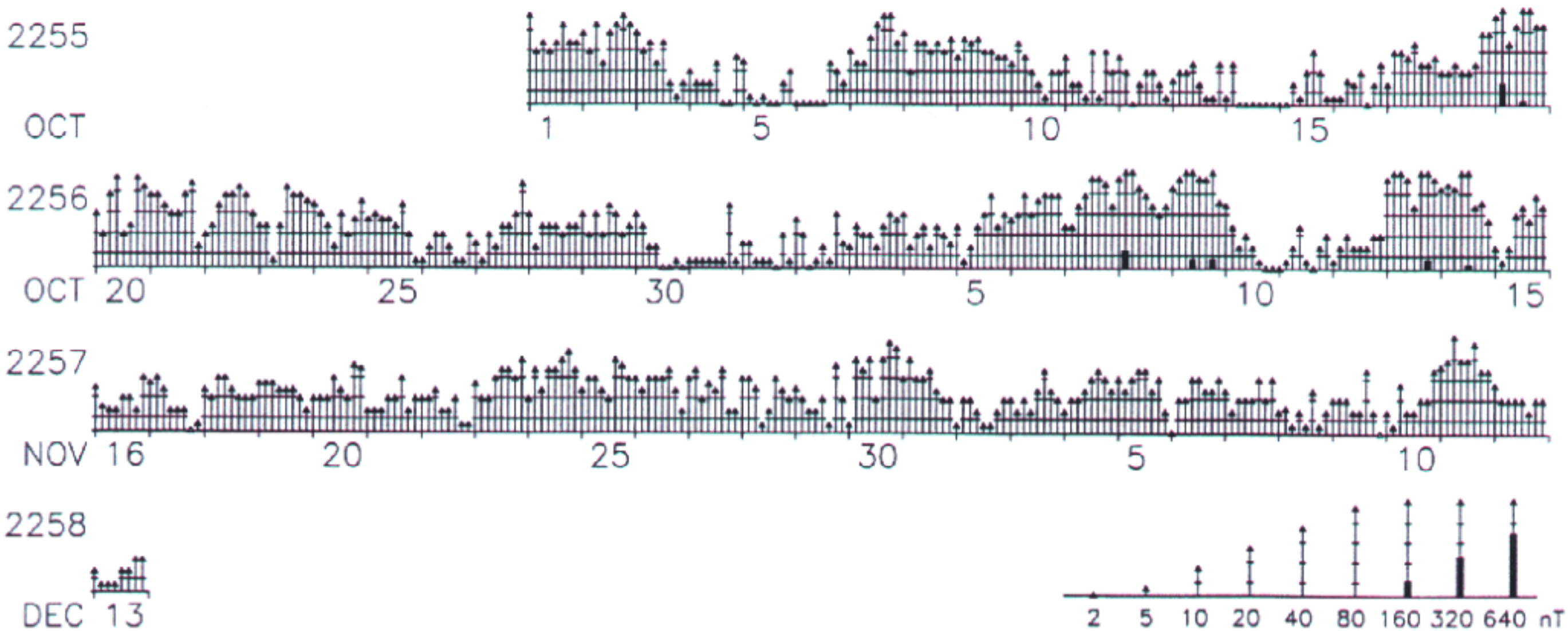
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OCTOBER 1998		Geomagnetic Indices (provisional)												Daily Average and Sum				
	aa				quiet days	am and Km for each three hour interval								Am Σ Km		Ap Σ Kp		
	N	S	am	pm		D	1	2	3	4	5	6	7	8	Am	Σ Km	Ap	Σ Kp
1	36	43	40	39	40		92 5o	28 3o	34 3+	28 3o	24 3-	48 4-	31 3o	35 3+	40	27o	24	29o
2	55	42	36	61	48		53 4o	22 3-	52 4o	15 2o	45 4-	63 4+	77 5-	61 4+	49	30-	32	33+
3	24	19	29	13	21		49 4-	37 3+	29 3o	13 2-	24 3-	7 1o	8 1+	6 1o	22	18-	14	19o
4	11	8	9	10	10	CC *	9 1+	8 1+	7 1o	5 1-	10 1+	3 0+	1 0o	14 2o	7	8o	3	6+
5	9	5	7	6	7	CC *	13 2-	3 0+	2 0+	3 0+	2 0+	7 1o	9 1+	10 1+	6	7-	3	5+
6	6	6	2	10	6	CK *	3 0+	2 0+	1 0o	2 0+	2 0+	17 2+	13 2-	14 2o	7	7+	3	5+
7	41	45	24	63	43		27 3o	18 2+	23 3-	31 3o	48 4-	76 5-	92 5o	29 3o	43	27+	28	29+
8	34	25	30	29	30		57 4o	13 2-	22 3-	33 3o	23 3-	23 3-	22 3-	30 3o	28	22+	15	24-
9	34	19	32	22	27		20 2+	35 3+	42 4-	23 3-	25 3-	19 2+	17 2+	23 3-	26	22o	16	24+
10	18	11	20	9	15		14 2o	30 3o	15 2o	8 1+	9 1+	7 1o	13 2-	12 2-	14	14o	7	14+
11	15	11	10	16	13	KK	20 2+	8 1+	5 1-	5 1-	19 2+	7 1o	16 2o	12 2-	12	12o	6	12+
12	11	9	11	9	10	CC	18 2+	7 1o	1 0o	6 1o	11 2-	10 1+	9 1+	4 1-	8	9+	5	9-
13	12	9	12	9	10	CC	6 1o	9 1+	7 1o	21 3-	6 1o	6 1o	6 1o	11 2-	9	11-	5	10-
14	5	4	6	2	4	CC *	4 1-	15 2o	2 0+	3 0+	2 0+	2 0+	3 0+	1 0o	4	4+	2	4-
15	11	7	4	13	9	CC	3 0+	3 0+	7 1o	3 0+	9 1+	21 3-	12 2-	4 1-	8	8+	4	7o
16	7	9	7	10	8	CK *	5 1-	2 0+	5 1-	6 1o	9 1+	2 0+	9 1+	15 2o	7	8-	3	5+
17	18	22	19	21	20		8 1+	16 2o	26 3-	19 2+	23 3-	17 2+	15 2o	11 2-	17	17o	8	17-
18	22	20	13	30	21		11 2-	12 2-	21 3-	14 2o	17 2+	17 2+	31 3o	29 3o	19	19-	9	18-
19	71	104	91	84	88		83 5-	186 6+	39 3+	83 5-	131 6-	96 5o	69 4+	44 4-	91	38-	62	43-
20	41	41	41	42	41		17 2+	16 2o	39 3+	47 4-	13 2-	20 2+	67 4+	72 5-	36	24+	22	27o
21	42	31	37	36	36		73 5-	52 4o	40 3+	26 3-	26 3-	33 3o	55 4o	10 1+	39	26-	23	28o
22	38	32	26	44	35		13 2-	19 2+	40 3+	40 3+	40 3+	48 4-	43 4-	26 3-	34	24o	20	27o
23	36	24	13	47	30		14 2o	17 2+	8 1+	23 3-	40 3+	48 4-	37 3+	31 3o	27	22-	15	23o
24	29	14	20	23	22		31 3o	22 3-	22 3-	13 2-	18 2+	12 2-	21 3-	27 3o	21	20-	11	20o
25	22	15	21	17	19		25 3-	29 3o	21 3-	23 3-	19 2+	20 2+	14 2o	3 0+	19	18o	12	19+
26	8	9	9	8	8	CK	3 0+	10 1+	16 2o	11 2-	3 0+	5 1-	5 1-	9 1+	8	8+	4	8o
27	25	14	9	31	20		7 1o	4 1-	8 1+	9 1+	14 2o	13 2-	17 2+	54 4o	16	14+	10	16-
28	16	15	16	15	16		28 3o	13 2-	18 2+	18 2+	11 2-	13 2-	18 2+	21 3-	18	18-	8	17+
29	24	15	18	21	20		25 3-	12 2-	16 2o	18 2+	25 3-	24 3-	19 2+	21 3-	20	19o	11	20-
30	10	7	14	3	8	CK	20 2+	17 2+	14 2o	8 1+	4 1-	2 0+	4 1-	3 0+	9	10o	5	9o
31	11	6	5	12	8	KC	6 1o	5 1-	1 0o	4 1-	4 1-	8 1+	35 3+	8 1+	9	9o	5	8o

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



ROT DAY IN SOLAR ROTATION INTERVAL Three-hour indices aa (logscale) OCT-DEC 1998



Dst monthly table of hourly indices - October 1998

HOURLY EQUATORIAL DST VALUES (PROVISIONAL)

OCTOBER 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	-63	-66	-66	-69	-66	-65	-69	-64	-57	-53	-51	-50	-46	-41	-42	-52	-65	-56	-53	-53	-52	-53	-52	-48		
2	-45	-41	-41	-42	-44	-41	-38	-24	-24	-21	-24	-22	-21	-22	-30	-39	-54	-56	-59	-61	-56	-66	-59	-58		
3	-54	-62	-67	-70	-69	-64	-66	-63	-57	-52	-50	-47	-44	-43	-43	-44	-44	-43	-44	-45	-45	-45	-45	-43		
4	-41	-41	-39	-37	-36	-34	-33	-31	-31	-30	-33	-33	-33	-31	-29	-28	-29	-29	-28	-28	-28	-27	-27	-27		
5	-27	-26	-25	-25	-24	-24	-25	-22	-21	-22	-22	-22	-22	-21	-20	-22	-23	-26	-28	-26	-27	-27	-25	-20		
6	-19	-19	-18	-16	-15	-16	-16	-14	-15	-17	-17	-18	-18	-16	-17	-16	-11	-5	-6	-3	1	-1	-8	-14		
7	-20	-24	-25	-27	-31	-31	-25	-20	-22	-14	-16	-35	-41	-33	-41	-44	-45	-66	-72	-75	-80	-80	-81	-75		
8	-72	-74	-70	-67	-63	-59	-55	-51	-53	-57	-55	-52	-51	-49	-49	-47	-46	-44	-46	-48	-49	-44	-41	-44		
9	-49	-53	-56	-59	-64	-65	-65	-57	-53	-55	-52	-56	-56	-57	-55	-51	-48	-47	-44	-42	-43	-45	-44	-44		
10	-47	-52	-52	-55	-53	-61	-50	-39	-40	-40	-39	-44	-47	-44	-38	-34	-32	-33	-32	-33	-30	-29	-30	-31		
11	-33	-33	-39	-43	-44	-42	-37	-31	-33	-34	-33	-32	-36	-36	-36	-35	-33	-31	-31	-33	-29	-26	-26	-25		
12	-27	-32	-40	-51	-47	-38	-30	-24	-25	-22	-24	-31	-42	-47	-46	-42	-43	-42	-37	-33	-31	-31	-32	-32		
13	-36	-37	-39	-37	-34	-30	-27	-26	-32	-31	-24	-21	-20	-23	-26	-23	-25	-26	-22	-23	-24	-25	-22	-20		
14	-18	-18	-21	-22	-24	-22	-20	-22	-22	-19	-16	-15	-16	-16	-15	-13	-12	-12	-13	-16	-18	-17	-16	-14		
15	-12	-11	-12	-11	-9	-7	-4	-3	-7	-8	-7	-8	-7	-6	-7	-10	-15	-19	-16	-18	-20	-18	-19	-22		
16	-21	-20	-21	-20	-18	-19	-19	-19	-17	-17	-17	-15	-13	-16	-18	-18	-21	-23	-21	-19	-20	-16	-16	-20		
17	-18	-18	-21	-20	-14	-11	-17	-27	-31	-30	-30	-27	-27	-32	-30	-21	-23	-26	-25	-23	-23	-22	-23	-20		
18	-18	-20	-19	-16	-14	-13	-12	-15	-19	-25	-30	-33	-33	-31	-30	-29	-31	-34	-32	-27	-10	-13	-10	-5		
19	-13	-13	-12	-19	-73	-100	-94	-96	-106	-112	-113	-121	-130	-122	-123	-139	-135	-123	-109	-109	-107	-96	-87	-81		
20	-82	-80	-80	-77	-73	-68	-61	-48	-40	-54	-53	-49	-50	-52	-58	-57	-62	-72	-69	-67	-64	-68	-77	-73		
21	-73	-73	-70	-76	-77	-78	-70	-61	-68	-73	-70	-65	-56	-48	-49	-53	-56	-59	-52	-54	-51	-49	-48	-44		
22	-42	-44	-43	-40	-36	-38	-49	-49	-54	-56	-52	-55	-58	-60	-59	-52	-61	-64	-66	-62	-57	-56	-54	-53		
23	-50	-49	-50	-52	-50	-43	-41	-41	-44	-44	-43	-39	-39	-27	-26	-26	-37	-51	-49	-54	-52	-53	-54	-57		
24	-60	-58	-58	-60	-59	-52	-48	-49	-50	-45	-41	-41	-40	-35	-38	-40	-43	-47	-48	-42	-41	-36	-41	-43		
25	-45	-46	-48	-50	-51	-49	-51	-54	-56	-58	-57	-56	-55	-53	-51	-49	-52	-57	-58	-52	-47	-42	-40	-37		
26	-33	-31	-32	-32	-28	-31	-29	-28	-31	-34	-30	-26	-23	-23	-22	-22	-26	-29	-27	-28	-30	-28	-28	-30		
27	-29	-30	-29	-27	-25	-22	-20	-24	-28	-25	-27	-30	-33	-35	-24	-19	-22	-24	-23	-21	-18	-21	-26	-37		
28	-36	-34	-33	-37	-33	-29	-22	-21	-28	-21	-15	-14	-16	-18	-16	-15	-19	-25	-28	-30	-23	-17	-21	-23		
29	-28	-30	-32	-28	-23	-22	-20	-19	-20	-22	-21	-20	-17	-11	-11	-14	-18	-21	-15	-16	-18	-20	-17	-17		
30	-20	-24	-23	-22	-22	-24	-19	-17	-20	-25	-27	-25	-19	-17	-17	-17	-19	-21	-20	-21	-20	-18	-19	-19		
31	-17	-20	-22	-24	-20	-17	-15	-14	-16	-19	-17	-13	-10	-9	-7	-9	-15	-16	-18	-19	-17	-16	-18	-19		

