

FEDERATION DES SERVICES D'ANALYSE DE DONNEES ASTRONOMIQUES ET GEOPHYSIQUES  
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 SERVICE INTERNATIONAL DES INDICES GEOMAGNETIQUES  
 INTERNATIONAL SERVICE OF GEOMAGNETIC INDICES



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

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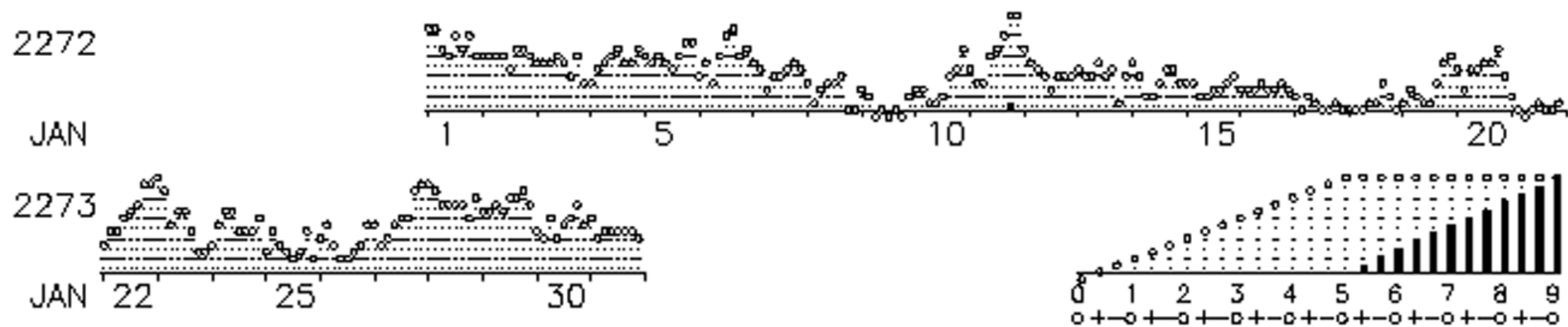
<b>PRELIMINARY REPORT ON RAPID VARIATIONS</b>		<b>JANUARY 1999</b>
<p style="text-align: center;"><b>SSC - Storm Sudden Commencements</b></p> <p>11 14 26    A : COI                      B : NUR* VAL* BDV* HRB MMB SPT* QUE                      GUI GNA HER* CNB                      C : NGK* GCK* EBR* KAK KNY</p> <p>27 14 53    A : NAG HYB                      B : VAL CLF MMB* KAK KNY QUE GUI                      C : NGK BDV GCK EBR COI SPT</p>	<p style="text-align: center;"><b>SFE - Solar Flare Effects</b></p> <p>08 1219-1228 BDV                      10 0851-0909 BDV+</p>	
<p>REPORTING OBSERVATORIES (up to 2nd of March 2000) :                      SOD NUR NGK VAL BDV CLF HRB NAG GCK MMB EBR COI SPT KAK KNY QUE GUI HYB GNA HER CNB</p>		
	<b>FIVE INTERNATIONAL QUIETEST DAYS</b>	<b>FIVE INTERNATIONAL MOST DISTURBED DAYS</b>
<b>January 1999</b>	21    17    18    9    8	28    1    29    11    23

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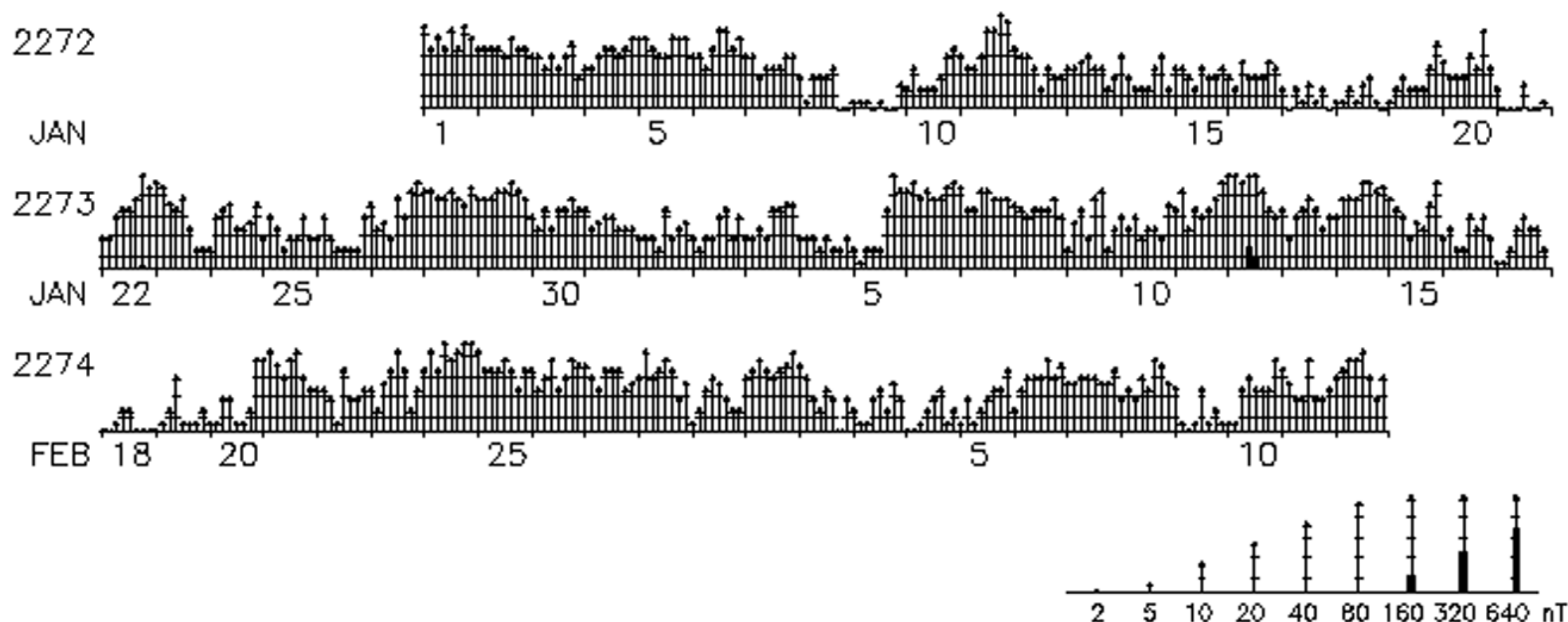


JANUARY 2000						Geomagnetic Indices (provisional)								Daily Average and Sum				
	aa				D	quiet days	am and Km for each three hour interval								Am		ΣKp	
	N	S	am	pm			1	2	3	4	5	6	7	8	ΣKm	Ap	ΣKp	
1	58	39	44	51	48		69 4+	62 4+	34 3+	31 30	54 40	34 3+	55 40	33 30	47	29+	30	33-
2	35	30	32	33	33		28 30	28 30	28 30	31 30	18 2+	40 3+	35 3+	30 30	30	240	16	25+
3	24	20	22	22	22		25 3-	21 3-	21 3-	30 30	22 3-	16 20	28 30	13 2-	22	20+	12	210
4	29	26	22	33	28		12 2-	17 2+	22 3-	31 30	37 3+	24 3-	24 3-	36 3+	25	22-	13	220
5	43	34	37	40	38		29 30	24 3-	27 30	26 3-	19 2+	27 30	42 4-	41 4-	29	240	19	270
6	38	35	24	49	36		16 20	21 3-	12 2-	33 30	59 40	64 4+	31 30	35 3+	34	240	19	26+
7	23	16	19	20	20		23 3-	19 2+	8 1+	16 20	14 20	18 2+	23 3-	18 2+	17	18-	10	19-
8	8	11	10	8	9	CC *	12 2-	4 1-	10 1+	12 2-	13 2-	15 20	3 0+	3 0+	9	10-	5	10+
9	6	3	4	5	4	CC *	8 1+	6 10	1 00	2 0+	1 00	2 0+	1 00	7 10	4	40	3	5+
10	13	16	10	19	15	K	8 1+	8 1+	5 1-	5 1-	6 10	15 20	20 2+	37 3+	13	13-	6	12+
11	50	45	20	75	48		20 2+	13 2-	11 2-	27 30	40 3+	54 40	105 5+	87 50	45	26+	24	27+
12	20	16	24	12	18		37 3+	22 3-	19 2+	14 20	9 1+	14 20	15 20	14 20	18	18-	10	19-
13	16	16	19	13	16		18 2+	15 20	16 20	22 3-	16 20	20 2+	5 1-	15 20	16	160	9	17+
14	15	12	13	14	14	KC	23 3-	15 20	7 10	6 10	11 2-	20 2+	19 2+	11 2-	14	15-	8	150
15	14	13	13	14	14	CC	13 2-	11 2-	7 10	6 10	10 1+	10 1+	11 2-	15 20	10	12-	6	12+
16	13	15	13	15	14	C	10 1+	8 1+	10 1+	11 2-	10 1+	10 1+	13 2-	10 1+	10	11+	6	120
17	7	5	6	6	6	CC *	6 10	2 0+	7 10	4 1-	3 0+	3 0+	5 1-	2 0+	4	5-	3	5-
18	7	6	6	7	6	CC *	3 0+	3 0+	3 0+	4 1-	5 1-	12 2-	6 10	3 0+	5	5+	3	6-
19	14	11	8	17	13	KK	4 1-	8 1+	7 10	4 1-	5 1-	12 2-	23 3-	32 30	12	12-	5	90
20	27	15	14	29	21		17 2+	10 1+	18 2+	18 2+	24 3-	23 3-	37 3+	15 20	20	190	10	190
21	5	4	4	5	4	C *	6 10	2 0+	1 00	3 0+	4 1-	2 0+	3 0+	4 1-	3	4-	2	2+
22	54	31	20	65	42		13 2-	17 2+	20 2+	33 30	38 3+	45 4-	86 5-	73 5-	41	26-	22	260
23	39	34	54	20	37		94 50	62 4+	21 3-	36 3+	39 3+	20 2+	9 1+	9 1+	36	24-	29	260
24	24	24	26	22	24		11 2-	23 3-	34 3+	38 3+	20 2+	18 2+	18 2+	27 30	24	210	13	22-
25	16	14	15	15	15		10 1+	18 2+	13 2-	8 1+	6 10	10 1+	18 2+	7 10	11	12+	7	14+
26	12	14	14	12	13	K	14 20	22 3-	13 2-	7 10	6 10	8 1+	11 2-	22 3-	13	140	8	15-
27	34	40	21	53	37		25 3-	13 2-	15 20	21 3-	30 30	33 30	65 4+	72 5-	34	240	17	240
28	57	47	53	52	52		72 5-	67 4+	45 4-	50 4-	50 4-	45 4-	33 30	55 40	52	31-	32	34-
29	60	49	49	61	55		40 3+	34 3+	44 4-	35 3+	58 40	58 40	62 4+	42 4-	47	30-	30	34-
30	31	26	22	35	29		20 2+	16 20	27 30	16 20	26 3-	28 30	43 4-	25 3-	25	21+	15	24-
31	24	17	23	18	21		27 30	14 20	17 2+	20 2+	19 2+	18 2+	17 2+	14 20	18	19-	10	20-

ROT DAY IN SOLAR ROTATION INTERVAL Three-hour indices Km(provisional) JAN 2000



ROT DAY IN SOLAR ROTATION INTERVAL Three-hour indices aa (logscale) JAN-MAR 2000



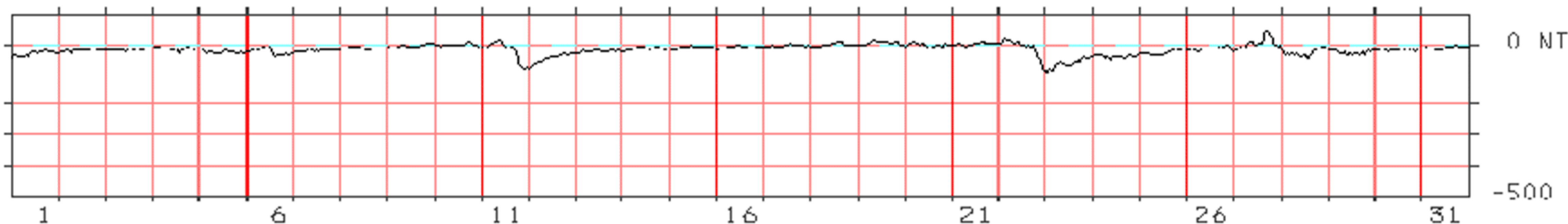


HOURLY EQUATORIAL DST VALUES (PROVISIONAL) - January 2000 -

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	-46	-38	-37	-39	-40	-39	-39	-37	-40	-32	-23	-23	-28	-26	-24	-25	-19	-20	-23	-26	-25	-29	-30	-31
2	-27	-24	-24	-22	-24	-28	-22	-18	-21	-21	-21	-18	-18	-18	-17	-18	-16	-14	-12	-19	-19	-20	-20	-19
3	-20	-20	-20	-18	-21	-20	-22	-20	-20	-23	-20	-14	-12	-18	-18	-14	-16	-19	-19	-18	-14	-14	-15	-14
4	-8	-6	-9	-11	-15	-14	-12	-15	-18	-20	-17	-14	-20	-28	-20	-16	-10	-11	-13	-15	-17	-17	-16	-14
5	-13	-18	-25	-29	-27	-23	-23	-31	-29	-32	-30	-23	-21	-22	-26	-24	-24	-32	-28	-29	-26	-29	-28	-23
6	-23	-21	-17	-13	-13	-18	-18	-13	-10	-16	-15	-11	-13	-29	-44	-37	-34	-37	-36	-33	-34	-37	-32	-29
7	-27	-24	-23	-23	-26	-25	-22	-16	-17	-23	-22	-22	-23	-19	-18	-22	-20	-20	-21	-22	-22	-19	-18	-18
8	-16	-15	-13	-11	-9	-10	-11	-7	-7	-10	-15	-19	-20	-17	-18	-15	-16	-16	-15	-14	-12	-13	-13	-12
9	-10	-12	-13	-12	-8	-6	-3	-2	-4	-6	-6	-6	-7	-8	-6	-6	-3	-2	-1	2	2	1	1	0
10	0	-3	-5	-6	-5	-1	0	-2	-1	0	-1	-2	-5	-2	0	2	7	9	1	-3	-3	-8	-13	-11
11	-12	-12	-9	-1	3	7	10	14	15	12	9	-1	-10	-14	-6	-9	-16	-25	-40	-72	-76	-83	-77	-78
12	-74	-67	-65	-63	-56	-57	-52	-50	-46	-45	-43	-43	-42	-41	-37	-37	-36	-33	-32	-34	-35	-31	-28	-29
13	-32	-29	-25	-22	-25	-24	-23	-25	-21	-17	-18	-22	-26	-25	-23	-24	-19	-19	-22	-23	-21	-20	-21	-25
14	-24	-21	-18	-17	-18	-16	-14	-10	-9	-8	-8	-14	-16	-17	-15	-15	-11	-10	-15	-16	-17	-17	-14	-14
15	-17	-19	-17	-14	-14	-11	-10	-10	-9	-8	-5	-6	-9	-8	-7	-9	-9	-11	-10	-9	-11	-11	-14	-19
16	-19	-16	-16	-14	-11	-10	-9	-6	-6	-4	-5	-11	-15	-10	-11	-11	-15	-15	-13	-10	-11	-11	-11	-10
17	-10	-8	-6	-5	-8	-11	-10	-11	-11	-7	-5	-2	1	0	0	-1	-2	-1	-1	-5	-8	-6	-5	-7
18	-8	-7	-8	-7	-7	-3	-2	-3	-3	-1	3	4	7	7	6	6	0	-4	-3	-3	-4	-4	-3	0
19	-2	0	-1	-2	-5	1	8	13	13	6	7	9	10	8	9	5	2	3	9	9	6	-1	-2	-6
20	-3	1	5	8	6	2	-2	1	3	-4	-5	-7	-12	-13	-9	-3	-2	-3	-7	-6	2	0	-5	-5
21	-3	0	1	1	-1	-3	-6	-5	-4	-2	1	3	4	5	6	6	5	4	4	2	1	2	5	4
22	3	9	17	14	12	13	8	2	7	6	0	-3	-4	-7	-3	-8	-5	-12	-28	-49	-51	-70	-85	-86
23	-91	-83	-85	-86	-74	-62	-62	-59	-63	-69	-70	-67	-68	-62	-56	-60	-59	-48	-44	-46	-46	-46	-44	-41
24	-37	-37	-37	-38	-41	-47	-43	-42	-47	-52	-42	-41	-40	-44	-44	-47	-46	-41	-37	-40	-44	-42	-35	-31
25	-32	-29	-30	-33	-38	-37	-36	-35	-34	-36	-36	-33	-31	-28	-26	-25	-21	-18	-15	-19	-17	-14	-16	-17
26	-19	-17	-14	-21	-27	-27	-20	-14	-14	-14	-13	-13	-14	-15	-12	-11	-13	-11	-9	-5	-5	-8	-17	-23
27	-20	-19	-15	-9	-12	-10	2	7	10	8	0	-1	2	5	15	42	42	34	25	19	-5	-7	-4	-20
28	-25	-34	-32	-30	-34	-33	-36	-32	-34	-42	-39	-37	-34	-46	-38	-30	-22	-19	-16	-13	-8	-10	-13	-17
29	-22	-18	-20	-19	-25	-28	-31	-27	-35	-36	-28	-29	-34	-28	-32	-34	-28	-27	-34	-24	-22	-24	-20	-20
30	-18	-17	-15	-13	-17	-20	-23	-18	-20	-21	-19	-17	-15	-15	-18	-16	-12	-17	-16	-12	-24	-22	-15	-15
31	-13	-10	-15	-14	-14	-16	-18	-19	-20	-18	-13	-8	-8	-8	-9	-6	-4	-6	-7	-11	-9	-9	-9	-7

DST  
PROVISIONAL  
2000  
JAN

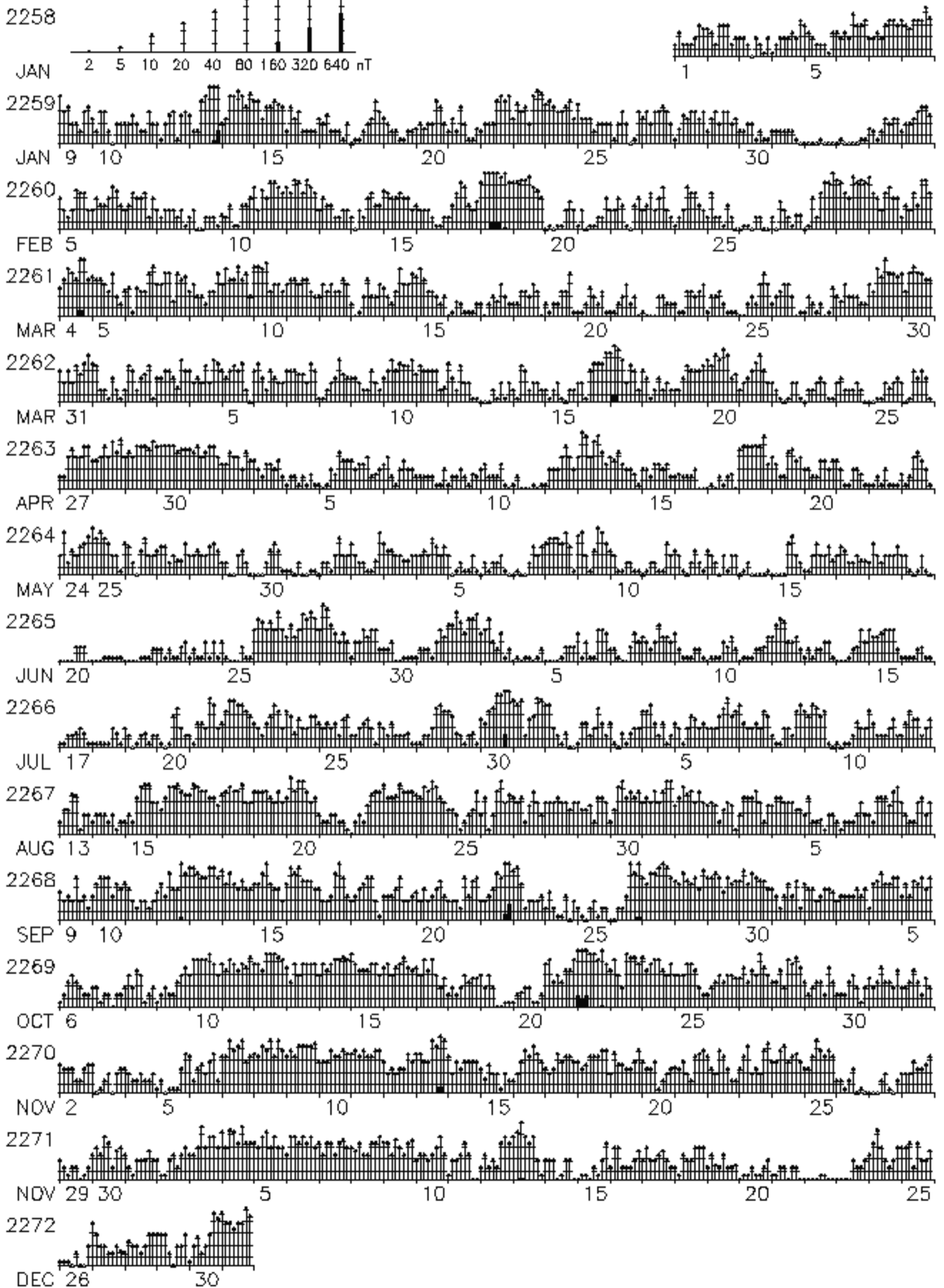
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# PLANETARY GEOMAGNETIC ACTIVITY - MUSICAL DIAGRAM OF aa 1999

ROT DAY IN SOLAR ROTATION INTERVAL Three-hour indices aa (logscale) JAN-DEC 1999  
 NO 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27



# PLANETARY GEOMAGNETIC ACTIVITY - MUSICAL DIAGRAM OF Km 1999

ROT DAY IN SOLAR ROTATION INTERVAL Three-hour indices Km (provisional) JAN-DEC 1999

