

FÉDÉRATION DES SERVICES D'ANALYSE DE DONNÉES ASTRONOMIQUES ET GÉOPHYSIQUES  
 FEDERATION OF ASTRONOMICAL AND GEOPHYSICAL DATA ANALYSIS SERVICES  
 SERVICE INTERNATIONAL DES INDICES GEOMAGNETIQUES  
 INTERNATIONAL SERVICE OF GEOMAGNETIC INDICES



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**ISGI Publications Office Monthly Bulletin n°00 - 03 - March 2000**

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

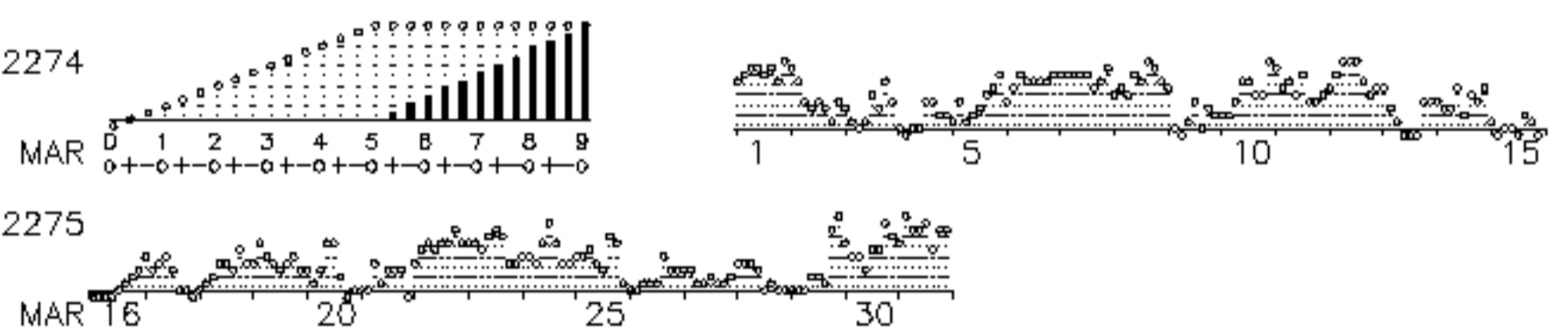
Ce Bulletin est adressé gracieusement aux Scientifiques intéressés, grâce à une dotation du FAGS et au soutien du laboratoire d'accueil, le CETP, et des organismes français de Recherche Scientifique (CNRS, INSU, BCMT).  
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 Special thanks are due to contributors (quoted below) for providing the here published geomagnetic data within shortly possible delay.*

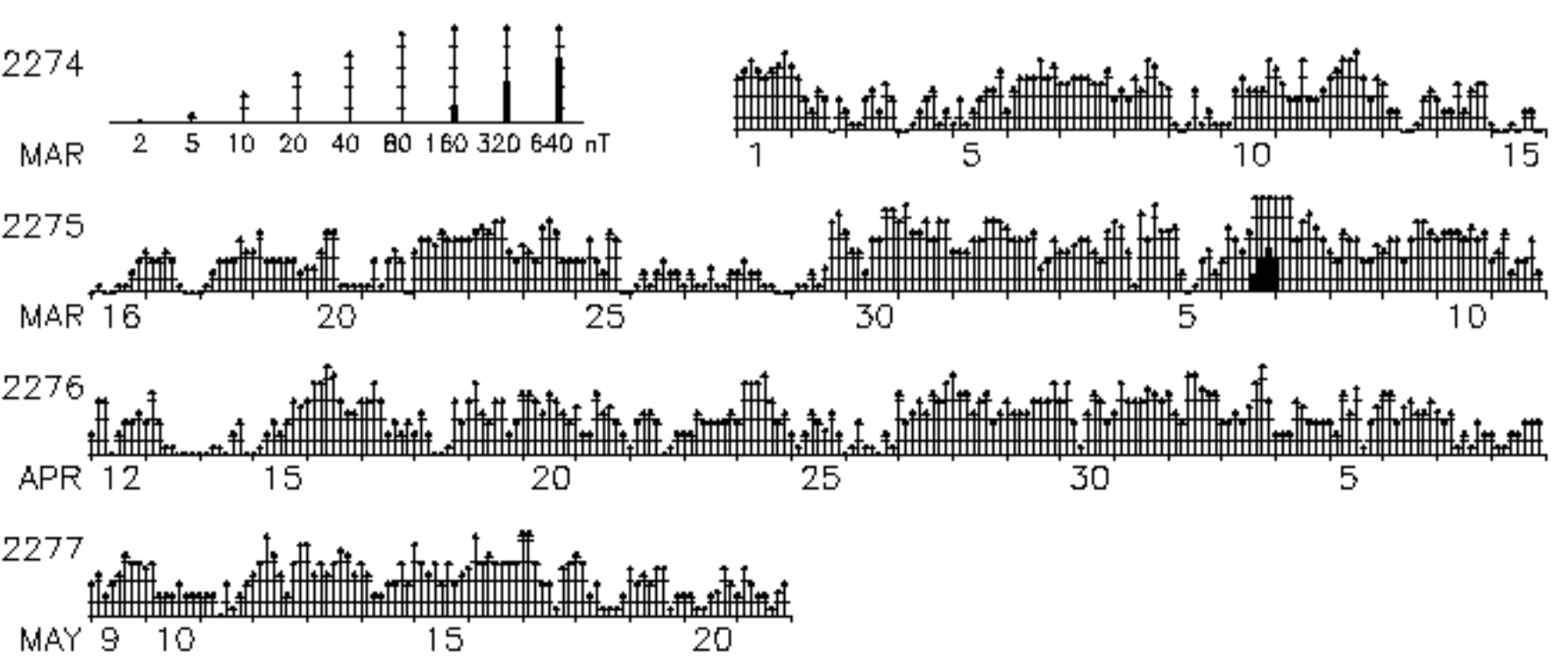
<b>PRELIMINARY REPORT ON RAPID VARIATIONS</b>		<b>MARCH 2000</b>
<b>SSC - Storm Sudden Commencements</b>		<b>SFE - Solar Flare Effects</b>
29 19 24    A : HRB COI GUI B : NAG* EBR* C : BDV GCK QUE LNP		02 0820-0838 BDV+ HYB GNA 02 1341-1410 GUI 14 0741-0759 GNA 17 0116-0123 NAG ( si : HRB ) 17 0648-0656 NAG 24 0743-0806 HYB ( ssc : LNP ) 27 1358-1406 BDV+ 31 0334-0346 QUE ( ssc : NGK, si : EBR ) 31 1653-1708 BDV+
REPORTING OBSERVATORIES (up to 2nd of May 2000) :		
SOD NUR NGK BDV CLF HRB NAG GCK MMB EBR COI SPT KAK KNY QUE GUI LNP HYB GNA HER CNB		
	<b>FIVE INTERNATIONAL QUIETEST DAYS</b>	<b>FIVE INTERNATIONAL MOST DISTURBED DAYS</b>
<b>March 2000</b>	15    16    26    27    4	31    1    12*    7*    8*

MARCH 2000						Geomagnetic Indices (provisional)								Daily Average and Sum				
	aa				D	quiet days	am and Km for each three hour interval								Am $\Sigma$ Km		Ap $\Sigma$ Kp	
	N	S	am	pm			1	2	3	4	5	6	7	8				
1	45	26	33	38	36		22 3-	29 30	40 3+	38 3+	32 30	35 3+	26 3-	50 4-	34	250	21	280
2	20	10	20	11	15		40 3+	23 3-	11 2-	8 1+	13 2-	8 1+	5 1-	13 2-	15	14+	11	16+
3	13	8	8	14	11	CC	8 1+	5 1-	2 0+	5 1-	14 20	8 1+	21 3-	13 2-	10	11-	5	100
4	8	7	4	10	7	CC*	3 0+	1 00	2 0+	3 0+	11 2-	13 2-	6 10	7 10	6	6+	3	60
5	15	12	8	19	13	K	4 1-	11 2-	5 1-	7 10	10 1+	16 20	17 2+	30 30	13	13-	6	120
6	31	19	18	33	25		13 2-	20 2+	30 30	26 3-	23 3-	24 3-	23 3-	31 30	24	21-	12	210
7	28	18	22	24	23		28 30	32 30	28 30	31 30	28 30	18 2+	23 3-	36 3+	28	23+	16	250
8	30	15	16	30	23		14 20	18 2+	14 20	30 30	25 3-	42 4-	34 3+	23 3-	25	22-	14	22+
9	11	5	7	9	8	C	17 2+	3 0+	1 00	4 1-	11 2-	3 0+	8 1+	6 10	7	8-	4	8+
10	18	18	13	23	18		6 10	6 10	11 2-	21 3-	21 3-	16 20	15 20	45 4-	18	17-	9	16-
11	28	12	19	21	20		34 3+	17 2+	24 3-	15 20	33 30	13 2-	11 2-	16 20	20	19-	13	21-
12	36	30	37	30	33		20 2+	31 30	48 4-	43 4-	43 4-	23 3-	16 20	19 2+	30	23+	19	260
13	11	7	10	9	9	C	17 2+	10 1+	4 1-	1 00	1 00	00	11 2-	12 2-	7	8-	4	8-
14	16	12	12	16	14	C	12 2-	10 1+	9 1+	17 2+	7 10	14 20	12 2-	17 2+	12	14-	6	120
15	5	4	4	5	4	CC*	5 1-	0 00	3 0+	3 0+	1 00	6 10	5 1-	0 00	3	30	2	3-
16	5	6	3	8	5	CC*	0 00	1 00	1 00	1 00	3 0+	4 1-	7 10	8 1+	3	3+	2	30
17	9	10	14	5	10	CC	14 20	8 1+	12 2-	15 20	10 1+	3 0+	2 0+	1 00	8	90	4	90
18	13	9	7	16	11	CK	2 0+	4 1-	6 10	11 2-	12 2-	9 1+	20 2+	12 2-	10	11-	6	11-
19	15	14	18	11	15		13 2-	23 3-	15 20	11 2-	10 1+	12 2-	14 20	8 1+	13	14+	7	150
20	13	16	17	12	14	K	8 1+	5 1-	10 1+	22 3-	21 3-	6 10	1 00	3 0+	10	100	6	100
21	11	7	7	11	9	CK	2 0+	3 0+	11 2-	5 1-	9 1+	10 1+	8 1+	1 00	6	70	4	7+
22	28	19	21	26	24		12 2-	18 2+	24 3-	19 2+	25 3-	25 3-	36 3+	22 3-	23	20+	12	210
23	33	28	31	30	31		22 3-	22 3-	20 2+	27 30	34 3+	30 30	12 2-	12 2-	22	20+	14	21+
24	26	21	21	26	23		15 20	16 20	12 2-	23 3-	42 4-	23 3-	13 2-	11 2-	19	180	11	190
25	19	12	15	17	16		15 20	14 20	18 2+	13 2-	10 1+	27 30	23 3-	4 1-	16	16-	8	16-
26	6	8	5	9	7	CK*	3 0+	3 0+	5 1-	5 1-	5 1-	16 20	9 1+	10 1+	7	7+	3	7-
27	9	4	6	7	6	CC*	8 1+	9 1+	5 1-	5 1-	6 10	4 1-	4 1-	6 10	6	7+	4	8-
28	6	6	9	4	6	CC	11 2-	13 2-	11 2-	9 1+	3 0+	4 1-	2 0+	2 0+	7	80	4	8-
29	21	14	5	30	17		2 0+	3 0+	3 0+	7 10	6 10	5 1-	34 3+	53 40	14	110	10	13-
30	29	34	18	46	32		25 3-	16 20	15 20	9 1+	18 2+	18 2+	43 4-	28 30	22	19+	12	20-
31	42	46	48	40	44		26 3-	56 40	39 3+	39 3+	43 4-	19 2+	38 3+	36 3+	37	260	23	29+

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



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



HOURLY EQUATORIAL DST VALUES (PROVISIONAL) - March 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	5	8	16	21	6	-6	-16	-25	-34	-40	-40	-37	-39	-42	-49	-49	-44	-36	-31	-24	-22	-25	-24	-19
2	-20	-23	-22	-21	-26	-28	-29	-25	-25	-24	-19	-17	-15	-15	-14	-12	-7	-4	-4	-4	-4	-5	-6	-1
3	1	1	1	0	0	-2	-3	-3	-5	-4	-2	-2	-5	-7	-4	-2	3	3	1	-2	-1	-1	4	3
4	5	8	8	8	7	5	4	2	3	4	6	7	5	5	6	1	-2	1	7	6	8	11	12	17
5	18	21	22	19	12	7	6	6	6	4	2	3	6	7	6	5	2	2	5	2	-4	-4	-9	-4
6	0	9	16	8	2	2	-2	-5	-9	-11	-5	-2	-2	-1	2	4	-1	-3	-7	-8	-15	-15	-14	-14
7	-17	-18	-17	-17	-27	-28	-24	-28	-32	-32	-24	-22	-22	-16	-16	-21	-20	-15	-11	-10	-16	-20	-17	-17
8	-17	-19	-16	-13	-16	-20	-20	-17	-18	-21	-28	-25	-19	-21	-22	-23	-30	-28	-23	-28	-37	-43	-38	-31
9	-27	-19	-12	-9	-8	-12	-14	-15	-14	-12	-9	-6	-7	-8	-5	-4	-3	-1	1	4	3	2	-1	1
10	5	9	10	10	12	11	10	7	2	-4	-11	-14	-15	-17	-17	-19	-18	-24	-26	-28	-31	-29	-32	-26
11	-32	-33	-31	-34	-34	-32	-31	-37	-36	-31	-33	-35	-35	-31	-33	-29	-27	-29	-33	-31	-35	-37	-32	-30
12	-31	-26	-24	-23	-15	-25	-28	-21	-16	-17	-18	-18	-22	-14	-8	1	1	-4	-6	-1	-7	-8	-7	-12
13	-17	-14	-10	-14	-19	-19	-17	-18	-16	-13	-12	-10	-10	-7	-4	-1	3	6	8	7	2	-1	-6	-8
14	-12	-11	-7	-6	-9	-9	-8	-6	-7	-13	-13	-9	-6	-7	-11	-13	-9	-7	-4	-2	-4	-7	-12	-11
15	-11	-11	-11	-8	-4	-2	-2	-3	-3	0	2	4	5	5	3	2	3	3	2	2	2	4	5	6
16	7	9	10	11	11	12	12	12	13	15	16	16	16	15	17	21	23	21	23	25	25	23	23	21
17	23	19	19	19	21	23	27	30	27	25	21	20	19	18	12	12	14	16	17	17	15	13	12	9
18	7	12	13	14	14	15	19	19	21	21	21	18	18	17	19	22	19	20	18	13	10	7	5	6
19	4	5	6	7	13	10	2	-2	-1	3	4	8	11	11	8	10	11	9	10	11	10	9	7	8
20	4	8	13	11	14	14	19	18	20	19	11	1	0	7	12	15	16	17	15	14	12	13	13	14
21	13	16	19	19	21	23	25	25	23	21	18	21	25	26	24	29	29	28	26	25	24	23	22	20
22	16	14	19	19	21	23	28	34	26	33	40	51	49	42	48	43	37	37	28	9	5	6	4	2
23	4	10	11	5	7	5	8	5	7	8	8	7	11	11	5	2	12	13	10	11	8	4	0	1
24	1	3	6	8	10	9	11	15	17	14	12	12	4	-7	-10	-5	0	-2	-4	-6	-8	-10	-11	-11
25	-12	-11	-11	-11	-5	-4	-2	-7	-5	-4	-5	-10	-8	-4	-1	0	3	4	-4	3	5	4	4	3
26	3	4	3	2	3	5	6	8	7	6	5	4	6	8	7	10	8	8	8	6	4	4	3	1
27	2	2	4	4	5	7	8	9	10	9	8	7	7	7	8	10	11	11	11	14	16	19	13	10
28	5	5	8	14	19	15	11	11	12	12	6	4	3	7	7	8	9	11	9	8	8	8	7	4
29	3	7	11	15	13	12	12	12	14	15	14	14	16	17	20	20	22	22	19	28	20	0	-7	-7
30	-1	-2	-3	5	9	5	6	3	3	4	4	1	4	6	13	18	21	16	3	-1	4	-2	-7	0
31	-4	-3	-2	-4	-3	-6	-19	-30	-41	-42	-54	-58	-53	-42	-43	-41	-44	-47	-48	-49	-47	-43	-39	-32

DST  
PROVISIONAL  
2000  
MAR

WDC-C2 KYOTO

