



Bureau des Publications SIIG - Bulletin Mensuel n°03-05 - Mai 2003
ISGI Publications Office Monthly Bulletin n°03-05 - May 2003

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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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PRELIMINARY REPORT ON RAPID VARIATIONS

MAY 2003

SSC - Storm Sudden Commencements

SFE - Solar Flare Effects

05 05 04 C: BDV GCK SPT* GUI
 29 12 24 A: NUR NAG MMB* EBR* COI SPT KAK HTY
 KNY GUI*
 B: SOD* NGK* VAL BDV* HRB GCK

04 1150-1212 GUI
 18 1625-1649 GUI
 27 2300-2330 MMB+ KAK+ KNY+

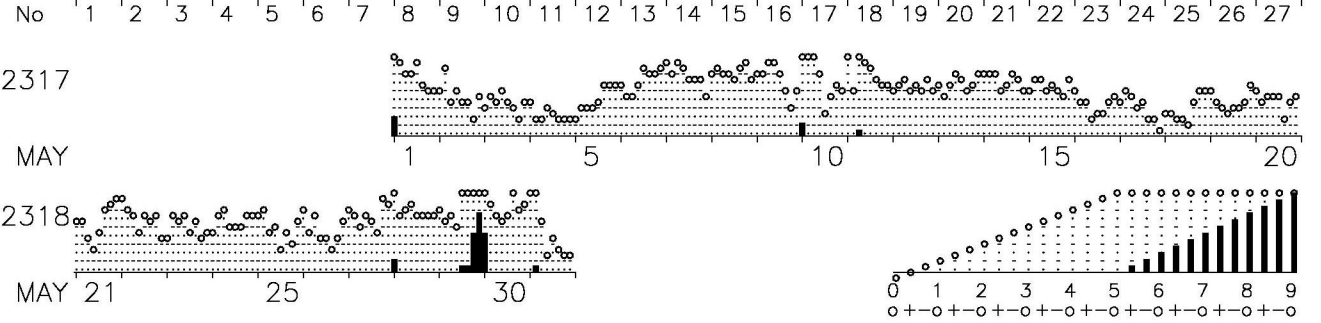
REPORTING OBSERVATORIES (up to 01/07/2003) :

SOD NUR NGK VAL BDV CLF HRB NAG GCK MMB EBR COI SPT KAK HTY KNY GUI HYB GNA CNB

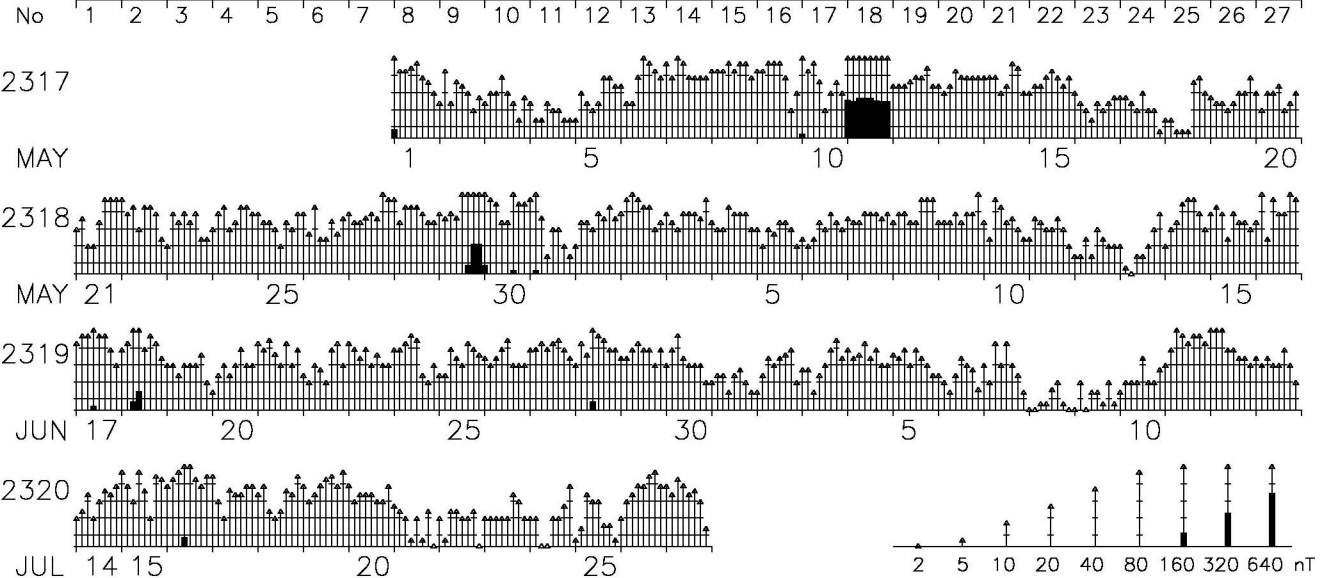
	FIVE INTERNATIONAL QUIETEST DAYS					FIVE INTERNATIONAL MOST DISTURBED DAYS				
May 2003	4	17A	18A	16A	3A	29	30	1	8	7

MAY 2003						Geomagnetic Indices <i>(provisional)</i>								Daily Average and Sum				
	aa				quiet days	am and Km for each three hour interval								and Sum				
	N	S	am	pm		D	1	2	3	4	5	6	7	8	Am	Σ Km	Ap	Σ Kp
1	66	62	80	47	64		147 6o	75 5-	56 4o	52 4o	72 5-	34 3+	29 3o	28 3o	62	33-	43	36+
2	25	29	32	22	27		27 3o	62 4+	20 2+	28 3o	20 2+	18 2+	10 1+	25 3-	26	21+	15	22o
3	21	24	28	17	22	*	16 2o	25 3-	17 2+	31 3o	18 2+	14 2o	10 1+	18 2+	19	18o	9	18o
4	11	11	12	10	11	C C *	17 2+	9 1+	8 1+	15 2o	11 2-	10 1+	8 1+	10 1+	11	13-	5	12-
5	26	23	15	35	25		9 1+	16 2o	14 2o	14 2o	17 2+	39 3+	37 3+	38 3+	23	20-	14	21+
6	46	53	28	72	50		40 3+	22 3-	22 3-	38 3+	62 4+	52 4o	52 4o	64 4+	44	29-	28	31-
7	66	57	77	45	61		83 5-	54 4o	71 5-	69 4+	46 4-	43 4-	43 4-	26 3-	54	31+	38	36o
8	69	62	65	66	65		52 4o	67 4+	51 4o	60 4o	46 4-	63 4+	81 5-	45 4-	58	33-	39	37-
9	50	61	70	41	55		57 4o	54 4o	75 5-	76 5-	60 4o	30 3o	15 2o	31 3o	50	29+	31	32+
10	53	44	73	24	49		124 6-	101 5o	102 5o	56 4o	12 2-	21 3-	35 3+	29 3o	60	30+	42	33-
11	706	56	389	374	381		93 5o	28 3o	108 5+	77 5-	68 4+	47 4-	34 3+	40 3+	62	33-	31	32-
12	42	39	34	48	41		27 3o	39 3+	42 4-	32 3o	39 3+	30 3o	46 4-	30 3o	36	26o	20	27+
13	43	39	37	45	41		35 3+	25 3-	36 3+	55 4o	45 4-	29 3o	38 3+	54 4o	40	28-	24	30o
14	50	41	40	51	46		53 4o	54 4o	52 4o	32 3o	35 3+	53 4o	48 4-	30 3o	45	29o	29	32o
15	42	37	34	45	39		31 3o	44 4-	42 4-	31 3o	40 3+	33 3o	24 3-	43 4-	36	26o	22	29o
16	19	12	15	16	16	*	30 3o	17 2+	19 2+	10 1+	11 2-	12 2-	19 2+	26 3-	18	17+	9	16+
17	15	15	17	13	15	C *	18 2+	28 3o	26 3-	14 2o	17 2+	9 1+	10 1+	5 1-	16	16-	7	13+
18	23	12	7	28	17	*	12 2-	12 2-	8 1+	8 1+	7 1o	19 2+	31 3o	28 3o	16	15+	8	14o
19	26	17	16	27	22		27 3o	20 2+	16 2o	12 2-	15 2o	14 2o	17 2+	37 3+	20	19-	10	19-
20	21	21	21	21	21		28 3o	19 2+	21 3-	25 3-	25 3-	10 1+	17 2+	26 3-	21	20-	10	18+
21	56	34	21	68	45		35 3+	34 3+	18 2+	12 2-	23 3-	58 4o	65 4+	71 5-	40	26+	29	28o
22	53	44	52	45	48		85 5-	54 4o	47 4-	26 3-	46 4-	36 3+	41 4-	18 2+	44	28o	26	30o
23	29	32	34	28	31		18 2+	42 4-	35 3+	45 4-	22 3-	38 3+	18 2+	22 3-	30	24o	16	24o
24	43	44	38	49	44		25 3-	43 4-	51 4o	28 3o	30 3o	32 3o	46 4-	48 4-	38	27-	21	28o
25	34	27	33	28	31		50 4-	52 4o	25 3-	27 3o	11 2-	22 3-	15 2o	38 3+	30	23o	16	24+
26	41	21	35	27	31		57 4o	21 3-	42 4-	20 2+	18 2+	12 2-	20 2+	39 3+	29	22+	16	24+
27	52	51	37	66	52		54 4o	44 4-	27 3o	45 4-	35 3+	26 3-	79 5-	70 4+	48	29+	30	31+
28	54	46	58	42	50		122 6-	47 4-	55 4o	64 4+	42 4-	42 4-	42 4-	47 4-	58	32+	34	35-
29	124	119	42	202	122		58 4o	40 3+	43 4-	31 3o	111 5+	115 5+	276 7o	388 8o	133	40-	109	46-
30	101	48	79	70	75		256 7o	65 4+	43 4-	35 3+	47 4-	94 5o	51 4o	64 4+	82	35+	59	40o
31	28	49	61	17	39		101 5o	105 5+	36 3+	10 1+	17 2+	13 2-	8 1+	8 1+	37	22-	20	22o

ROT DAY IN SOLAR ROTATION INTERVAL Three-hour indices Km(provisional) MAY 2003

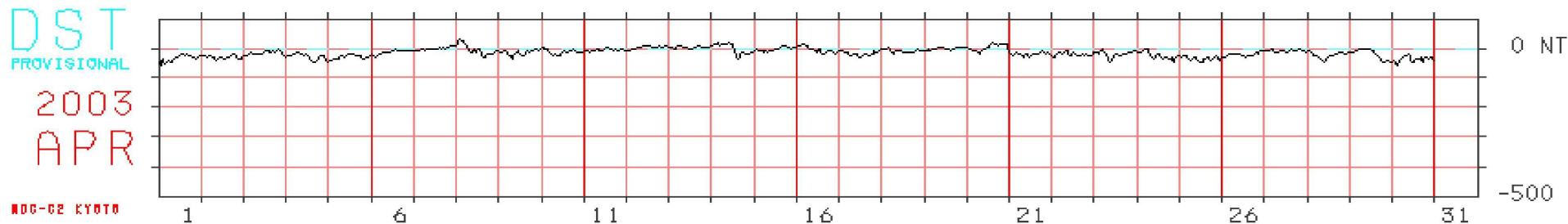


ROT DAY IN SOLAR ROTATION INTERVAL Three-hour indices aa (logscale) MAY-JUL 2003



HOURLY EQUATORIAL DST VALUES (PROVISIONAL) - April 2003 -

Unit = NT																									U.T.
DAY	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	-45	-56	-36	-55	-48	-43	-45	-45	-38	-32	-28	-23	-19	-21	-24	-21	-23	-27	-30	-29	-34	-29	-23	-23	
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3	-24	-27	-22	-16	-17	-18	-18	-18	-22	-21	-16	-11	-10	-10	-14	-13	-10	-12	-10	-4	-8	-12	-25	-30	
4	-24	-25	-27	-20	-17	-15	-16	-19	-21	-26	-22	-25	-33	-43	-48	-47	-44	-35	-24	-23	-26	-23	-34	-45	
5	-44	-42	-38	-35	-37	-34	-23	-23	-28	-24	-22	-18	-17	-18	-26	-27	-26	-24	-37	-36	-33	-29	-23	-18	
6	-26	-28	-24	-21	-18	-17	-13	-15	-15	-16	-12	-10	-7	-5	-7	-8	-10	-8	-6	-6	-8	-10	-10	-10	
7	-7	-7	-7	-5	-5	-7	-5	-3	-3	-2	0	-1	-3	-4	1	-2	1	-2	2	5	6	11	11	10	
8	15	29	25	25	13	6	-2	-16	-14	-2	-12	-5	-3	-12	-31	-30	-21	-18	-18	-18	-19	-13	-7	-9	
9	-12	-12	-11	-6	-16	-23	-27	-35	-22	-14	-11	-21	-25	-24	-22	-10	-14	-9	-6	-3	-5	-7	-2	2	
10	4	-1	-2	-2	-12	-22	-23	-17	-24	-23	-26	-14	-11	-14	-16	-6	-7	-5	-6	-14	-13	-16	-14	-10	
11	-9	-10	-12	-11	-11	-9	-5	-2	-6	-7	-7	-1	1	1	-1	-5	-6	-4	-6	-9	-4	-4	-6	-6	
12	-10	-10	-3	-1	-1	1	2	5	8	10	7	7	7	4	3	4	3	5	6	5	4	6	6	5	
13	5	2	0	-1	6	9	8	5	3	1	-2	-1	0	2	5	6	6	5	4	4	2	3	4	7	
14	11	12	15	19	11	12	13	15	16	17	16	15	-1	-22	-36	-30	-14	-13	-18	-20	-21	-15	-13	-9	
15	-5	-9	-11	-11	-9	-15	-8	-12	-11	-10	-8	-5	-3	0	5	7	7	6	2	1	-1	3	2	5	
16	7	8	12	14	9	7	0	-4	0	-10	-13	-3	-6	-5	-17	-19	-15	-10	-6	-6	-12	-17	-13	-8	
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20	0	-3	-7	-9	-9	-14	-18	-11	-4	-1	0	1	4	12	18	14	12	10	12	15	15	16	13	-6	
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22	-29	-30	-22	-15	-14	-19	-14	-9	-9	-25	-25	-14	-20	-24	-27	-23	-22	-23	-22	-25	-25	-24	-22	-13	
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24	-12	-12	-11	-5	-3	-5	-12	-21	-33	-38	-29	-22	-19	-28	-36	-33	-30	-35	-37	-32	-45	-33	-25	-26	
25	-30	-26	-24	-26	-36	-43	-36	-29	-33	-41	-46	-47	-46	-38	-36	-31	-30	-39	-34	-28	-26	-28	-39	-30	
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29	-13	-15	-11	-6	-5	-2	-4	0	-1	-3	-4	-4	-7	-11	-19	-23	-28	-38	-46	-46	-41	-41	-47	-49	
30	-43	-48	-57	-45	-35	-30	-27	-26	-21	-26	-47	-46	-35	-34	-38	-31	-45	-40	-29	-32	-37	-29	-31	-44	



HOURLY EQUATORIAL DST VALUES (PROVISIONAL) - May 2003 -

Unit = NT																								U.T.
DAY	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	-61	-64	-51	-46	-51	-53	-64	-56	-48	-43	-45	-41	-40	-42	-36	-42	-42	-36	-35	-35	-34	-34	-33	-29
2	-23	-24	-32	-34	-18	-11	-9	-11	-13	-13	-14	-18	-12	-16	-20	-21	-18	-20	-21	-17	-14	-9	-12	-12
3	-12	-11	-12	-9	-8	-4	-2	0	-4	-6	-13	-11	-11	-15	-17	-15	-16	-11	-8	-7	-8	-7	-11	-14
4	-11	-12	-10	-9	-9	-5	-5	-6	-9	-8	-2	-1	2	4	8	7	4	3	6	7	9	12	15	15
5	17	16	11	13	15	13	14	16	15	16	19	17	16	23	26	22	17	24	27	22	21	14	19	12
6	6	9	9	6	3	4	7	5	3	5	8	7	-4	-6	-8	-22	-22	-21	-19	-16	-11	-15	-9	-9
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11	-30	-41	-40	-36	-32	-25	-26	-41	-51	-44	-31	-32	-33	-35	-37	-35	-32	-31	-28	-19	-17	-18	-16	-14
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14	-12	-15	-17	-16	-19	-23	-20	-18	-14	-23	-20	-17	-17	-19	-17	-23	-23	-20	-11	-19	-17	-17	-18	-20
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