

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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PRELIMINARY REPORT ON RAPID VARIATIONS

MAY 2002

SSC - Storm Sudden Commencements

SFE - Solar Flare Effects

10 11 23 A: VAL* NAG* SPT* GUI
 B: SOD* NUR* NGK* BDV* CLF HRB* EBR HTY*
 CNB*
 11 10 14 A: VAL* CLF* NAG* SPT* GUI*
 B: BDV* HRB* MMB* EBR* KAK* HTY* KNY* HER
 C: SOD* NUR* NGK* LIV*
 18 20 08 A: NGK VAL CLF HRB NAG* SPT* GUI HER
 B: BDV* EBR* HTY GNA* CNB* LIV
 20 03 40 A: GUI*
 B: VAL NAG* EBR LIV*
 C: NUR NGK* BDV* CLF* HER
 21 22 03 A: GUI*
 B: BDV HRB
 C: NGK* SPT* LIV*
 23 10 50 A: CLF MMB EBR* SPT* KAK HTY KNY* GUI HER
 B: VAL* BDV* NAG* LIV
 C: NGK HRB
 30 02 04 B: GUI LIV
 C: NGK BDV EBR

18 0700-0711 NAG
 20 1524-1542 NGK+ BDV+ GUI
 24 0640-0701 BDV

REPORTING OBSERVATORIES (up to 3th of July 2002) :

SOD NUR NGK VAL BDV CLF HRB NAG MMB EBR SPT KAK HTY KNY QTA GUI GNA HER CNB LIV

FIVE INTERNATIONAL QUIETEST DAYS

FIVE INTERNATIONAL MOST DISTURBED DAYS

May 2002

24 5 31 1 25

23 11 14 27 10*

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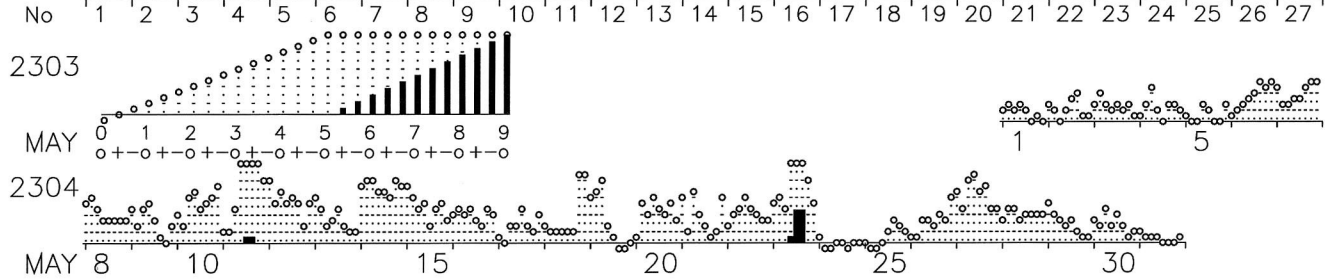
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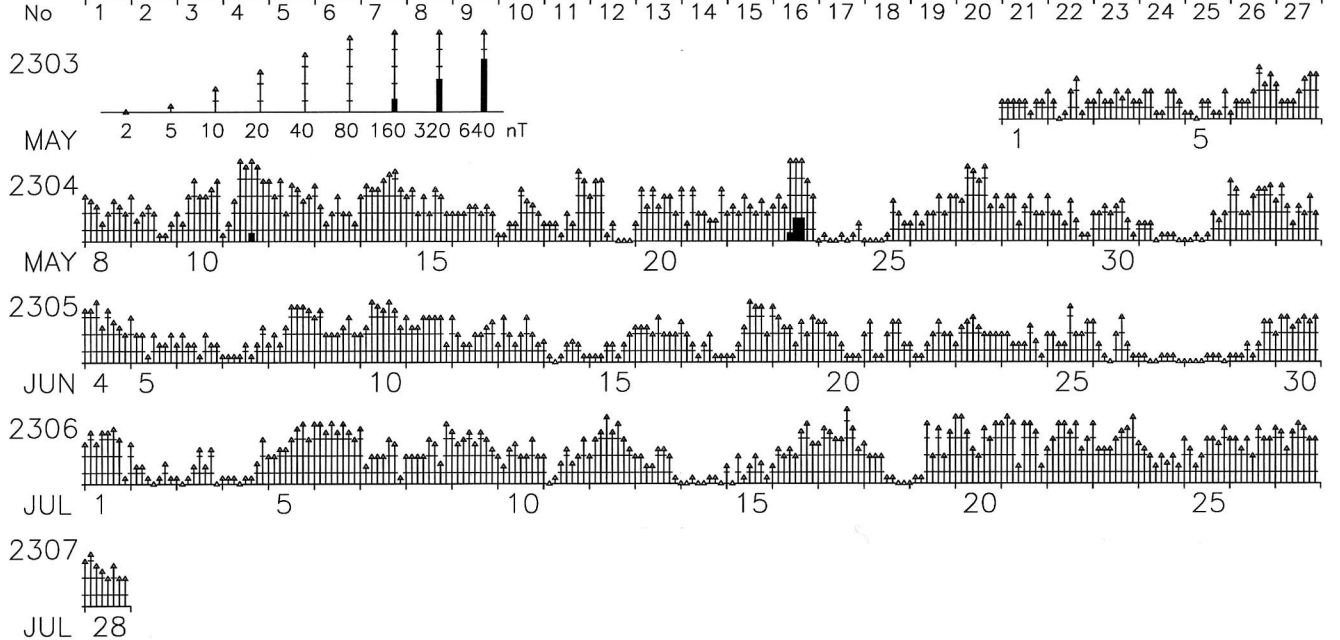
Web : <http://www.cetp.ipsl.fr/~isgi/homepag1.htm>

MAY 2002						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	8	7	8	7	8	CC*	7 1o	8 1+	7 1o	10 1+	7 1o	3 0+	4 1-	3 0+	6	7o	4	7o				
2	12	6	7	11	9	CC	10 1+	7 1o	2 0+	7 1o	11 2-	14 2o	4 1-	5 1-	8	9-	5	10o				
3	12	7	9	10	10	CC	9 1+	15 2o	9 1+	7 1o	9 1+	7 1o	10 1+	5 1-	9	10o	5	10+				
4	10	8	9	9	9	CC	5 1-	10 1+	17 2+	6 1o	3 0+	8 1+	8 1+	7 1o	8	9+	4	9+				
5	8	5	5	8	6	CC*	4 1-	3 0+	2 0+	8 1+	7 1o	3 0+	3 0+	10 1+	5	6-	3	6-				
6	16	12	7	21	14	K	4 1-	6 1o	8 1+	13 2-	15 2o	24 3-	17 2+	26 3-	14	14+	8	14o				
7	19	11	10	20	15		19 2+	10 1+	8 1+	11 2-	13 2-	20 2+	21 3-	24 3-	16	16o	8	16-				
8	20	12	17	15	16		26 3-	27 3o	20 2+	13 2-	11 2-	13 2-	11 2-	13 2-	17	16+	8	16-				
9	13	10	15	8	11	C	18 2+	9 1+	17 2+	21 3-	12 2-	5 1-	3 0+	8 1+	12	13-	6	12-				
10	30	24	23	31	27		15 2o	10 1+	32 3o	40 3+	20 2+	25 3-	29 3o	46 4-	27	21+	15	23o				
11	68	51	34	85	60		6 1o	7 1o	19 2+	100 5o	107 5+	111 5+	93 5o	59 4o	63	29o	49	32+				
12	31	29	32	29	30		60 4o	21 3-	40 3+	21 3-	29 3o	21 3-	8 1+	23 3-	28	22+	15	23-				
13	20	12	18	14	16		32 3o	20 2+	9 1+	13 2-	19 2+	10 1+	6 1o	6 1o	14	14o	8	14+				
14	47	35	31	51	41		42 4-	55 4o	58 4o	38 3+	40 3+	33 3o	55 4o	49 4-	46	29o	29	33-				
15	24	19	23	20	22		42 4-	32 3o	17 2+	25 3-	10 1+	20 2+	21 3-	13 2-	23	20-	12	20+				
16	16	11	13	14	14	CK	15 2o	17 2+	14 2o	19 2+	11 2-	9 1+	17 2+	16 2o	15	16o	7	15-				
17	18	9	7	20	13	KC	5 1-	2 0+	10 1+	9 1+	19 2+	9 1+	7 1o	14 2o	9	10+	5	10+				
18	27	13	7	33	20		10 1+	6 1o	7 1o	6 1o	7 1o	6 1o	62 4+	67 4+	21	15o	14	16+				
19	17	16	30	4	17		33 3o	39 3+	60 4o	8 1+	4 1-	1 0o	1 0o	2 0+	19	13-	11	14+				
20	22	19	22	19	21		4 1-	22 3-	15 2o	32 3o	19 2+	15 2o	22 3-	11 2-	18	17o	10	18+				
21	20	17	21	16	18		27 3o	6 1o	37 3+	14 2o	9 1+	5 1-	7 1o	29 3o	17	15+	10	16o				
22	15	16	16	15	16		10 1+	15 2o	17 2+	30 3o	18 2+	15 2o	13 2-	11 2-	16	16+	8	16-				
23	109	70	48	131	89		22 3-	30 3o	19 2+	116 5+	205 7-	211 7-	53 4o	25 3-	85	33+	78	38+				
24	4	4	3	5	4	C*	4 1-	1 0o	1 0o	2 0+	2 0+	1 0o	2 0+	3 0+	2	2o	2	3o				
25	9	5	2	11	7	CC*	2 0+	0 0o	0 0o	2 0+	6 1o	11 2-	10 1+	7 1o	5	6-	4	7+				
26	16	12	10	18	14		5 1-	5 1-	11 2-	11 2-	9 1+	16 2o	12 2-	27 3o	12	13-	7	13+				
27	50	39	48	41	45		34 3+	17 2+	58 4o	67 4+	35 3+	44 4-	20 2+	18 2+	37	26-	22	28-				
28	21	13	18	16	17		13 2-	19 2+	17 2+	12 2-	16 2o	15 2o	14 2o	14 2o	15	16o	9	18o				
29	16	8	14	10	12	CC	22 3-	16 2o	13 2-	8 1+	12 2-	7 1o	5 1-	5 1-	11	12-	7	13o				
30	15	11	13	13	13	CC	11 2-	8 1+	20 2+	9 1+	14 2o	10 1+	5 1-	6 1o	10	12-	6	12+				
31	6	5	7	4	5	CC*	6 1o	5 1-	5 1-	5 1-	3 0+	3 0+	3 0+	4 1-	4	5-	3	6o				

ROT DAY IN SOLAR ROTATION INTERVAL Three-hour indices Km (provisional) MAY 2002



ROT DAY IN SOLAR ROTATION INTERVAL Three-hour indices aa (logscale) MAY-JUL 2002



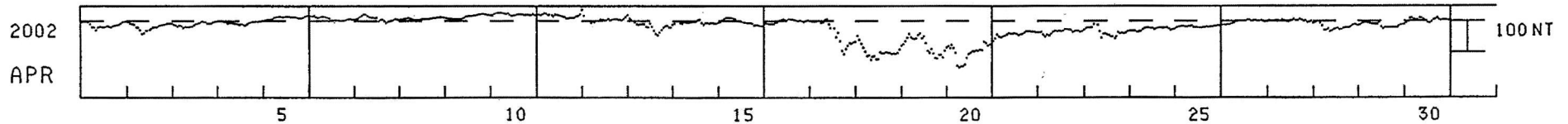
HOURLY EQUATORIAL DST VALUES (PROVISIONAL) - April 2002 -

WDC FOR GEOMAGNETISM, KYOTO UNIVERSITY

HOURLY EQUATORIAL DST VALUES (PROVISIONAL)

APRIL 2002

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	
1	-4	-1	-1	-4	-9	-19	-21	-29	-21	-17	-19	-19	-18	-16	-18	-20	-16	-14	-13	-11	-7	-4	-2	-2
2	-4	-7	-9	-12	-20	-20	-28	-41	-39	-30	-31	-29	-24	-19	-20	-19	-16	-13	-11	-11	-9	-8	-7	-7
3	-12	-14	-18	-14	-16	-22	-17	-19	-17	-17	-17	-14	-9	-7	-5	-2	-1	-3	-7	-7	-7	-4	-1	-1
4	0	1	-2	-4	-4	-7	-5	-6	-7	-7	-9	-11	-10	-11	-13	-9	-5	-3	-2	-1	-1	-2	0	2
5	4	6	6	5	8	12	14	13	15	14	14	15	15	14	13	14	13	12	10	10	12	16	18	17
6	17	16	17	13	12	13	15	15	13	12	9	3	3	3	3	3	1	0	4	6	8	8	6	5
7	8	10	14	19	22	23	19	14	13	12	12	2	5	6	1	-5	-2	0	0	4	7	6	5	5
8	6	8	9	10	11	9	7	5	3	5	6	7	7	8	8	9	10	12	12	14	14	14	13	12
9	11	10	9	9	8	7	8	7	9	12	15	16	17	17	19	20	21	23	25	24	24	22	21	21
10	21	24	27	29	29	27	26	25	26	23	19	19	21	23	25	24	22	21	22	20	21	24	21	22
11	22	21	22	26	25	21	23	21	15	22	20	20	18	15	13	10	10	11	12	11	16	17	23	36
12	19	1	2	0	-5	-1	-4	2	2	8	5	3	4	7	3	5	8	7	6	6	4	8	14	20
13	10	6	1	-4	-9	-11	-10	-9	-10	-17	-20	-8	-17	-31	-42	-46	-37	-29	-21	-16	-14	-19	-19	-12
14	-7	1	2	-6	-7	-3	-6	-5	-4	-4	-2	-1	4	6	-6	-12	-5	-6	-7	-5	-5	-8	-7	-5
15	-3	4	8	12	12	11	11	10	8	2	1	-1	-3	-5	-5	-5	-5	-7	-14	-11	-13	-14	-15	-10
16	-7	-8	-10	-9	-9	-6	-4	4	6	7	5	4	7	7	6	5	3	2	3	1	-2	1	3	1
17	0	-2	-2	2	0	-6	-4	5	7	-9	-22	2	-22	-51	-37	-65	-96	-106	-90	-80	-70	-73	-69	-66
18	-47	-60	-74	-86	-99	-113	-112	-126	-116	-114	-123	-123	-100	-105	-105	-101	-102	-102	-107	-105	-108	-102	-92	-80
19	-75	-64	-53	-41	-51	-57	-58	-57	-46	-40	-55	-49	-70	-96	-102	-90	-104	-120	-122	-110	-109	-117	-97	-85
20	-81	-88	-77	-89	-103	-145	-151	-148	-148	-140	-119	-107	-102	-99	-98	-94	-97	-91	-95	-66	-72	-80	-75	-70
21	-65	-57	-44	-50	-51	-50	-47	-43	-39	-41	-41	-40	-42	-45	-43	-41	-38	-33	-33	-32	-33	-34	-36	-38
22	-37	-36	-43	-49	-44	-48	-42	-34	-31	-33	-31	-33	-31	-27	-26	-26	-29	-34	-32	-31	-31	-34	-33	-28
23	-23	-20	-19	-19	-10	0	-11	-33	-53	-41	-39	-43	-45	-50	-50	-56	-49	-36	-39	-37	-39	-38	-33	-30
24	-30	-30	-31	-34	-33	-32	-27	-23	-21	-21	-22	-23	-26	-24	-22	-20	-22	-22	-19	-21	-25	-28	-26	-24
25	-21	-18	-16	-15	-16	-17	-16	-15	-14	-17	-18	-19	-19	-19	-19	-17	-17	-18	-17	-15	-15	-13	-13	-13
26	-12	-12	-11	-11	-9	-7	-5	-1	0	1	0	1	2	5	5	2	3	4	2	2	3	0	-1	2
27	3	2	1	3	4	3	0	5	4	0	-1	3	4	7	4	4	7	5	2	3	-4	-1	1	-6
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30	-6	-1	9	11	8	5	6	11	12	8	4	-4	-5	-2	5	8	12	8	3	5	6	6	4	4



HOURLY EQUATORIAL DST VALUES (PROVISIONAL) - May 2002 -

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	2	2	1	5	6	2	-1	0	0	-1	-2	1	2	0	-1	1	1	3	3	4	3	2	0	-2	
2	-1	2	2	1	6	7	7	7	6	7	7	4	4	5	2	-6	-6	-1	3	4	3	4	5	6	
3	9	8	10	6	2	0	0	1	0	0	3	4	4	7	9	7	4	3	8	8	6	6	4	3	
4	5	8	9	9	9	10	9	8	7	7	10	11	12	12	10	9	9	11	10	7	6	4	2	2	
5	4	6	9	12	12	13	12	12	12	13	15	17	18	17	15	15	15	14	16	17	18	20	21	21	
6	23	25	25	25	24	21	23	24	22	20	22	18	16	13	5	-1	-6	-15	-24	-25	-20	-23	-20	-12	
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8	-4	-5	-9	-12	-16	-16	13	-12	-13	-14	-11	-12	-12	-14	-15	-19	-25	-25	-19	-16	-14	-18	-18	-13	
9	-12	-15	-10	-9	-12	-9	-7	-7	-5	-5	-3	-3	-2	-2	-3	-2	-4	-3	-4	-6	-6	-6	-6	-2	
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31	4	3	3	2	2	2	2	1	2	3	2	-1	-4	-3	1	2	3	4	6	4	6	8	6	5	

