

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

OCTOBER 2001

SSC - Storm Sudden Commencements

SFE - Solar Flare Effects

11 17 01	A: NGK* VAL* CLF* HRB MMB EBR SPT* KAK KNY GUI HYB	06 0520-0545	KAK+ KNY+
	B: BDV* GCK HER	07 1218-1251	BDV
21 16 48	A: NUR* NGK* VAL* CLF* HRB* GCK MMB* EBR SPT* KAK KNY HYB	15 0928-0952	GUI
	B: BDV* GNA HER CNB*	19 0054-0155	MMB+ KAK+ KNY+ GNA+ CNB+
25 08 50	A: HYB	19 0938-0952	BDV+
	B: GUI GNA CNB		
	C: CLF EBR SPT		
	si: VAL HRB		
28 03 19	A: MMB* KAK KNY HYB		
	B: SOD* NUR* NGK* BDV* HRB EBR* SPT* GUI GNA* HER CNB*		
	C: GCK*		
31 13 48	A: CLF* GUI		
	B: NUR* NGK* HRB* MMB KAK KNY HYB GNA HER CNB		
	C: SOD* BDV* GCK* EBR*		
	si: VAL		

REPORTING OBSERVATORIES (up to 3rd December 2001):

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

FIVE INTERNATIONAL QUIETEST DAYS

FIVE INTERNATIONAL MOST DISTURBED DAYS

October 2001	24	18	7	17	26	22	3	2	21	1
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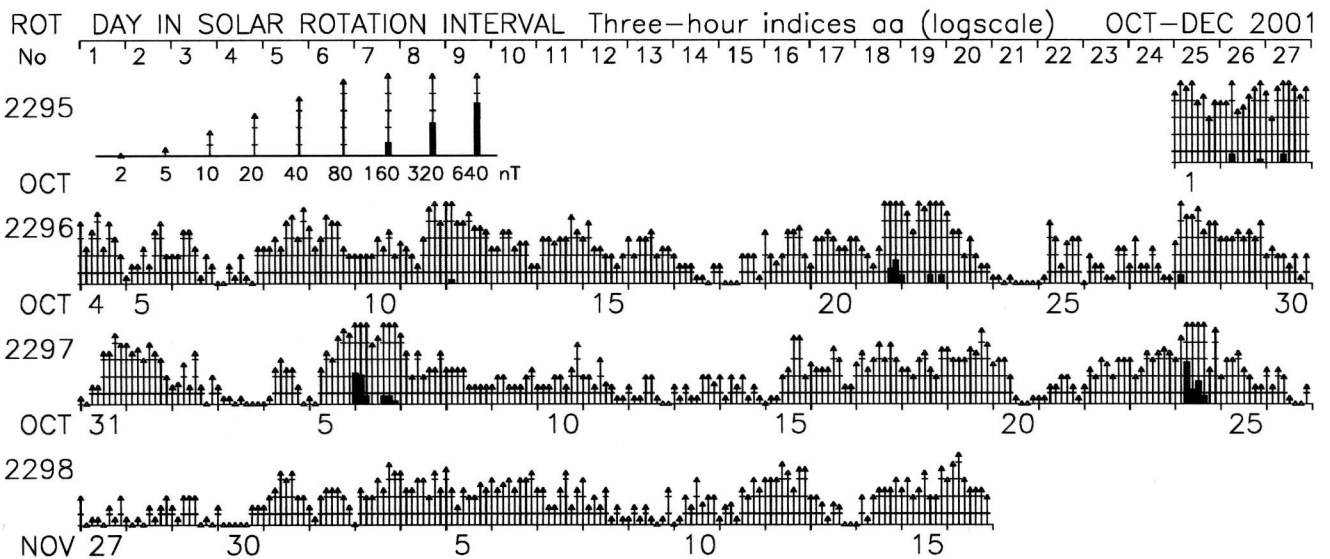
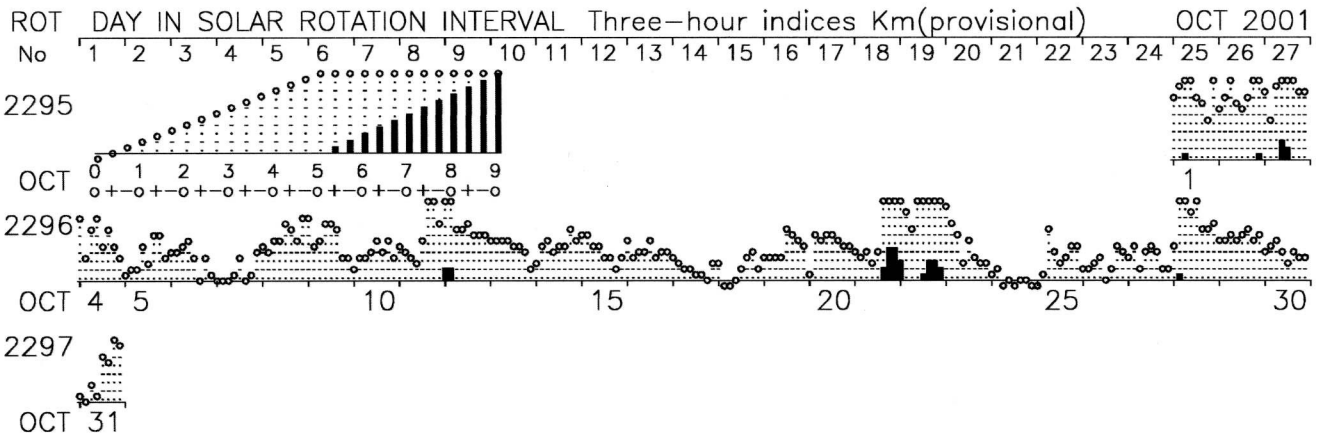
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OCTOBER 2001						Geomagnetic Indices <i>(provisional)</i>								Daily Average and Sum				
	aa				D	quiet days	am and Km for each three hour interval								Am Σ Km Ap Σ Kp			
	N	S	am	pm			1	2	3	4	5	6	7	8	Am	Σ Km	Ap	Σ Kp
1	73	58	88	44	66		58 4o	72 5-	106 5+	93 5o	58 4o	42 4-	24 3-	88 5o	68	34+	48	39-
2	74	64	65	73	69		40 3+	52 4o	103 5o	42 4-	34 3+	54 4o	91 5o	109 5+	66	34-	52	40-
3	76	81	77	81	79		68 4+	24 3-	77 5-	154 6o	121 6-	92 5o	64 4+	62 4+	83	37o	69	43+
4	32	32	40	24	32		55 4o	13 2-	38 3+	54 4o	20 2+	35 3+	20 2+	12 2-	31	23-	17	25-
5	18	15	9	24	17		4 1-	7 1o	7 1o	20 2+	8 1+	29 3o	31 3o	11 2-	15	14o	8	14-
6	16	17	22	10	16		14 2o	15 2o	19 2+	23 3-	13 2-	3 0+	12 2-	5 1-	13	13+	7	14o
7	7	6	4	9	7	CC*	2 0+	3 0+	3 0+	5 1-	13 2-	2 0+	4 1-	14 2o	6	6+	3	6o
8	38	33	18	52	35		18 2+	16 2o	21 3-	21 3-	43 4-	37 3+	24 3-	56 4o	30	23+	16	24-
9	33	31	34	30	32		54 4o	18 2+	22 3-	46 4-	44 4-	40 3+	13 2-	11 2-	31	23o	18	24+
10	16	17	12	21	17		7 1o	12 2-	13 2-	14 2o	23 3-	14 2o	21 3-	12 2-	15	15+	7	15o
11	34	43	14	63	39		20 2+	16 2o	11 2-	9 1+	21 3-	94 5o	94 5o	42 4-	38	24-	21	24o
12	50	70	78	43	60		130 6-	121 6-	40 3+	39 3+	49 4-	29 3o	32 3o	28 3o	59	31-	34	33-
13	23	17	24	16	20		23 3-	24 3-	25 3-	24 3-	17 2+	17 2+	16 2o	6 1o	19	18+	11	19o
14	35	18	19	35	27		10 1+	17 2+	21 3-	15 2o	18 2+	19 2+	39 3+	23 3-	20	19o	13	21+
15	19	18	26	11	18		29 3o	33 3o	17 2+	19 2+	11 2-	11 2-	7 1o	13 2-	18	17-	10	17+
16	18	22	21	19	20		22 3-	13 2-	16 2o	15 2o	23 3-	11 2-	15 2o	14 2o	16	17-	7	15+
17	8	6	9	5	7	CC*	13 2-	9 1+	7 1o	6 1o	4 1-	4 1-	3 0+	8 1+	7	8o	4	8+
18	8	6	4	10	7	CC*	8 1+	1 0o	1 0o	3 0+	7 1o	13 2-	14 2o	7 1o	7	7+	3	6o
19	20	25	16	28	22		12 2-	12 2-	12 2-	11 2-	35 3+	32 3o	25 3-	20 2+	20	18o	9	15+
20	23	19	22	20	21		5 1-	27 3o	22 3-	32 3o	27 3o	21 3-	20 2+	20 2+	22	20-	11	20-
21	65	80	15	129	72		16 2o	13 2-	15 2o	10 1+	15 2o	132 6-	232 7-	238 7-	84	28o	57	32o
22	104	94	84	114	99		159 6o	63 4+	34 3+	90 5o	106 5+	161 6o	147 6o	128 6-	111	42-	96	49-
23	27	21	36	13	24		80 5-	44 4-	29 3o	9 1+	21 3-	12 2-	10 1+	9 1+	27	20-	17	21-
24	3	4	4	2	3	CK*	5 1-	7 1o	1 0o	2 0+	1 0o	2 0+	2 0+	1 0o	3	3-	2	3-
25	22	16	19	19	19	K	1 0o	5 1-	34 3+	16 2o	8 1+	11 2-	20 2+	19 2+	14	14-	7	13+
26	9	9	8	11	9	CK*	6 1o	6 1o	8 1+	11 2-	3 0+	6 1o	19 2+	15 2o	9	11-	4	9+
27	11	9	12	9	10	C	12 2-	20 2+	6 1o	15 2o	20 2+	15 2o	7 1o	7 1o	13	13+	6	11o
28	66	54	69	51	60		19 2+	119 5+	98 5o	69 4+	93 5o	38 3+	39 3+	43 4-	65	32+	44	36o
29	24	34	26	32	29		26 3-	24 3-	29 3o	24 3-	29 3o	35 3+	25 3-	33 3o	28	23o	14	23+
30	10	12	13	9	11	C	16 2o	20 2+	22 3-	15 2o	9 1+	15 2o	11 2-	12 2-	15	16-	7	14o
31	31	19	6	44	25		5 1-	2 0+	10 1+	4 1-	28 3o	23 3-	53 4o	42 4-	21	16+	12	17+



HOURLY EQUATORIAL DST VALUES (PROVISIONAL) - October 2001 -

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
DAY																								
1	-57	-67	-71	-78	-89	-106	-116	-135	-150	-143	-125	-121	-116	-117	-114	-111	-98	-92	-90	-86	-82	-81	-77	-79
2	-73	-71	-76	-81	-77	-77	-92	-93	-80	-86	-83	-90	-100	-101	-86	-78	-84	-89	-82	-74	-76	-92	-88	-84
3	-83	-77	-68	-60	-60	-58	-51	-71	-89	-120	-129	-162	-170	-174	-182	-162	-165	-147	-123	-119	-113	-115	-117	-103
4	-91	-88	-81	-81	-83	-81	-90	-99	-101	-95	-84	-74	-73	-68	-63	-56	-56	-50	-50	-49	-49	-47	-52	-48
5	-43	-41	-40	-41	-40	-40	-40	-37	-35	-25	-19	-19	-16	-11	-5	-2	-10	-7	-19	-15	-13	-15	-19	-20
6	-19	-16	-14	-17	-17	-12	-12	-10	-11	-8	-8	-10	-15	-14	-15	-17	-16	-16	-14	-17	-15	-15	-15	-15
7	-15	-14	-13	-11	-9	-6	-4	-3	-1	-5	-7	-7	-8	-10	-5	-4	-4	-3	-2	0	0	-1	-4	-7
8	-7	4	1	-5	-5	-7	-1	2	-1	0	-16	-30	-38	-29	-36	-42	-40	-32	-24	-20	-18	-21	-35	-44
9	-37	-31	-31	-33	-31	-27	-22	-25	-37	-39	-30	-26	-44	-58	-64	-74	-57	-44	-39	-39	-42	-40	-38	-36
10	-33	-31	-33	-36	-36	-32	-32	-34	-35	-32	-35	-36	-35	-38	-38	-31	-31	-31	-36	-41	-34	-33	-34	-33
11	-30	-29	-27	-26	-21	-21	-23	-21	-19	-18	-17	-23	-31	-38	-37	-33	-30	1	-56	-74	-64	-56	-44	-26
12	-16	-16	-23	-58	-40	-46	-58	-62	-51	-49	-53	-62	-72	-67	-65	-64	-63	-61	-49	-47	-47	-46	-43	-41
13	-38	-35	-36	-37	-43	-44	-46	-46	-44	-34	-30	-31	-38	-40	-34	-35	-35	-30	-23	-25	-27	-26	-26	-23
14	-20	-16	-15	-22	-23	-19	-23	-29	-35	-29	-29	-30	-27	-29	-30	-27	-27	-23	-24	-32	-30	-32	-28	-28
15	-27	-17	-15	-23	-32	-36	-39	-33	-28	-24	-20	-15	-19	-19	-17	-16	-15	-13	-5	-6	-4	3	-3	-3
16	-1	1	5	-4	-5	-8	-13	-11	-13	-11	-16	-18	-15	-13	-12	-5	0	-1	-7	-7	-7	-9	-14	-17
17	-18	-21	-23	-21	-20	-21	-22	-20	-17	-16	-16	-16	-16	-16	-15	-13	-14	-9	-7	-6	-5	-4	0	-1
18	-1	-1	0	1	3	4	5	6	7	6	7	7	7	6	8	10	13	7	-1	2	2	1	1	1
19	4	7	9	9	10	13	14	10	4	3	4	-2	-11	-24	-30	-31	-37	-47	-51	-51	-52	-51	-45	-38
20	-34	-32	-27	-22	-23	-32	-31	-25	-22	-22	-25	-26	-24	-28	-35	-37	-36	-30	-24	-23	-26	-26	-31	-35
21	-35	-32	-31	-30	-29	-24	-22	-22	-24	-26	-24	-25	-24	-22	-22	-22	-9	-21	-88	-111	-163	-166	-158	-160
22	-161	-166	-163	-154	-158	-154	-150	-149	-136	-124	-136	-143	-145	-149	-136	-156	-145	-157	-137	-155	-155	-152	-149	-144
23	-155	-126	-114	-120	-116	-118	-120	-112	-109	-101	-96	-93	-96	-90	-83	-79	-78	-73	-68	-68	-68	-66	-65	-64
24	-63	-58	-52	-51	-49	-50	-50	-50	-52	-50	-49	-48	-47	-44	-42	-42	-42	-40	-37	-37	-35	-33	-35	-32
25	-30	-26	-24	-24	-24	-23	-22	-22	-18	6	9	2	-2	-2	-3	-3	-5	-6	-8	-20	-30	-33	-31	-25
26	-23	-21	-18	-18	-18	-17	-19	-21	-21	-20	-21	-21	-20	-19	-21	-21	-20	-19	-14	-8	-8	-9	-7	-8
27	-11	-13	-22	-25	-25	-25	-24	-25	-28	-27	-25	-24	-25	-24	-26	-24	-23	-21	-17	-14	-13	-11	-10	-12
28	-11	-10	-12	-9	-50	-83	-105	-118	-136	-144	-151	-160	-153	-135	-134	-118	-112	-108	-104	-102	-96	-98	-97	-87
29	-75	-71	-65	-59	-60	-67	-76	-69	-69	-65	-58	-60	-62	-62	-70	-70	-63	-65	-64	-61	-60	-54	-47	-41
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31	-28	-24	-19	-16	-17	-17	-21	-23	-22	-21	-19	-20	-18	-13	0	-5	-10	-9	-9	-12	-20	-34	-51	-70

DST
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