

FEDERATION DES SERVICES D'ANALYSE DE DONNEES ASTRONOMIQUES ET GEOPHYSIQUES  
 FEDERATION OF ASTRONOMICAL AND GEOPHYSICAL DATA ANALYSIS SERVICES  
 SERVICE INTERNATIONAL DES INDICES GEOMAGNETIQUES  
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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		JULY2013
<b>SSC - Storm Sudden Commencements</b>		<b>SFE - Solar Flare Effects</b>
09 20 53	A: None B: LER* ESK HAD* EBR* SPT* GNG C: VAL DOU	03 0704–0745 MMB KAK
12 17 14	A: None B: LER* ESK HAD C: VAL EBR SPT	08 0121–0135 MMB KAK KNY 09 1403–1418 LER ESK HAD

REPORTING OBSERVATORIES (*up to the 4th of October 2013*) :

SOD NUR LER ESK WNG NGK VAL HAD DOU BDV HRB NAG GCK MMB EBR SPT KAK KNY GUI GNG CNB LIV

	FIVE INTERNATIONAL QUIETEST DAYS					FIVE INTERNATIONAL MOST DISTURBED DAYS				
July 2013	2	3	17	8	21	6	14	10	15	11

*Directeur de la Publication : M. MENVIELLE – Edité le 07/10/2013 par M. MENVIELLE*

*Collaborateurs : L.F. ALBERCA SILVA – M. NOSE – M. MENVIELLE – H-J. LINTHE – T. IYEMORI*

*Bureau des Publications SIIIG - fondé par A. BERTHELIER*

*LATMOS – 11, boulevard d'Alembert – 78280 GUYANCOURT - FRANCE*

*Téléphone : +33 +1 44 27 92 34 – Télécopie : + 33 1 48 89 44 33 – Email : Michel.Menvielle@latmos.ipsl.fr*

*Web : isgi@latmos.ipsl.fr*

JULY 2013														Geomagnetic Indices (provisional)								Daily Average and Sum							
	aa					quiet days	am and Km for each three hour interval								Am $\Sigma$ Km		Ap $\Sigma$ Kp												
	N	S	am	pm	D		1	2	3	4	5	6	7	8	Am	$\Sigma$ Km	Ap	$\Sigma$ Kp											
1	14	13	23	5	14	K	21 3-	23 3-	26 3-	16 20	6 10	2 0+	3 0+	2 0+	12	120	6	12-											
2	7	3	3	7	5	CC*	4 1-	6 10	8 1+	7 10	5 1-	8 1+	5 1-	5 1-		6	7+	3	6+										
3	10	3	4	9	7	CC*	7 10	2 0+	4 1-	3 0+	2 0+	7 10	4 1-	10 1+		5	6-	4	7-										
4	9	4	4	9	7	CC	6 10	3 0+	3 0+	2 0+	4 1-	7 10	9 1+	8 1+		5	6+	3	7-										
5	19	12	12	19	16		12 2-	20 2+	16 20	14 20	16 20	12 2-	22 3-	17 2+		16	17-	8	160										
6	45	36	43	39	41		24 3-	43 4-	50 4-	47 4-	40 3+	33 30	25 3-	48 4-		39	26+	27	31+										
7	14	6	12	7	10	K	37 3+	8 1+	6 10	2 0+	7 10	6 10	4 1-	1 00		9	9-	6	80										
8	7	6	7	6	6	CC*	4 1-	12 2-	17 2+	6 10	5 1-	5 1-	5 1-	3 0+		7	80	4	70										
9	20	9	7	22	15		2 0+	2 0+	10 1+	12 2-	14 20	18 2+	21 3-	29 30		14	14-	9	15-										
10	48	35	36	48	42		44 4-	50 4-	35 3+	64 4+	41 4-	31 30	38 3+	44 4-		43	29-	26	310										
11	48	33	43	39	41		19 2+	31 30	67 4+	26 3-	30 30	37 3+	55 40	13 2-		35	240	20	260										
12	19	11	13	17	15		12 2-	21 3-	16 20	16 20	12 2-	17 2+	15 20	25 3-		17	170	8	170										
13	20	14	22	12	17		27 30	35 3+	18 2+	10 1+	3 0+	9 1+	14 20	19 2+		17	160	8	15+										
14	42	41	37	45	41		23 3-	41 4-	35 3+	52 40	49 4-	39 3+	59 40	44 4-		43	28+	26	30+										
15	44	36	54	26	40		108 5+	61 4+	57 40	50 4-	32 30	18 2+	15 20	10 1+		44	260	24	270										
16	11	5	5	11	8	CK	3 0+	8 1+	9 1+	8 1+	7 10	9 1+	13 2-	5 1-		8	90	4	90										
17	7	7	6	9	7	CC*	3 0+	5 1-	8 1+	2 0+	4 1-	4 1-	7 10	8 1+		5	6+	4	7-										
18	30	26	11	45	28		7 10	4 1-	12 2-	13 2-	43 4-	60 40	47 4-	17 2+		25	17-	17	210										
19	30	30	29	32	30		21 3-	27 30	45 4-	33 30	32 30	24 3-	32 30	23 3-		30	24-	15	240										
20	10	7	13	4	9	C	32 30	7 10	9 1+	7 10	4 1-	2 0+	3 0+	5 1-		9	8+	5	80										
21	11	8	6	13	10	CC*	4 1-	5 1-	4 1-	7 10	7 10	11 2-	10 1+	9 1+		7	8+	4	8-										
22	11	6	4	13	8	CC	4 1-	2 0+	4 1-	3 0+	6 10	10 1+	6 10	26 3-		8	80	5	90										
23	8	5	7	6	6	CC	16 20	11 2-	3 0+	5 1-	6 10	3 0+	6 10	8 1+		7	8+	4	9-										
24	11	6	8	9	8	CC	15 20	3 0+	6 10	4 1-	6 10	3 0+	7 10	6 10		6	7+	4	8-										
25	23	15	8	31	19		5 1-	10 1+	4 1-	6 10	9 1+	21 3-	40 3+	46 4-		18	15-	12	160										
26	24	18	23	19	21		36 3+	43 4-	16 20	13 2-	23 3-	18 2+	18 2+	14 20		23	200	11	190										
27	26	17	16	27	22		27 30	12 2-	13 2-	20 2+	22 3-	22 3-	21 3-	20 2+		20	190	9	180										
28	13	8	11	10	11	C	22 3-	18 2+	10 1+	8 1+	5 1-	6 10	8 1+	19 2+		12	130	6	120										
29	10	8	7	11	9	CC	10 1+	12 2-	9 1+	8 1+	12 2-	4 1-	3 0+	6 10		8	9+	4	9+										
30	13	8	9	12	10	CC	4 1-	12 2-	11 2-	10 1+	11 2-	6 10	9 1+	9 1+		9	11-	5	100										
31	9	5	5	9	7	CC	14 20	6 10	2 0+	5 1-	6 10	7 10	10 1+	5 1-		7	80	4	8-										

