

FEDERATION DES SERVICES D'ANALYSE DE DONNEES ASTRONOMIQUES ET GEOPHYSIQUES
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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		DECEMBER 2013
SSC - Storm Sudden Commencements		SFE - Solar Flare Effects
07 22 35	A: None B: GUI C: VAL MMB* KAK KNY	None
13 13 22	A: LER* ESK* HAD* GNG CNB B: SOD* NUR SPT* C: WNG* NGK* VAL* DOU* BDV* GCK EBR GUI LIV*	
15 17 27	A: GNG* CNB* B: NUR C: WNG* NGK* DOU* BDV* SPT* S: LER* ESK* HAD*	
REPORTING OBSERVATORIES (up to the 3rd of February 2014):		
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				
December 2013	2	12	22	26	27	8	14*	1*	3*	25*

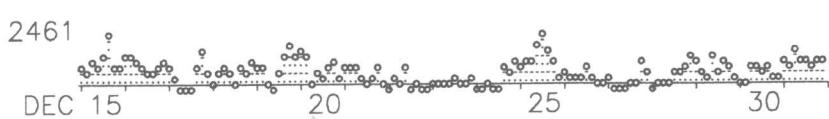
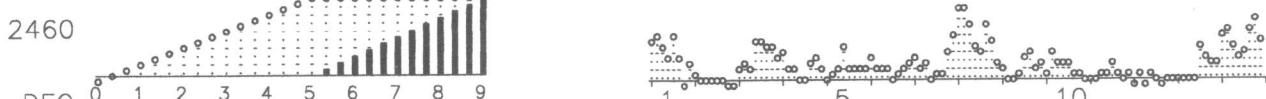
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DECEMBER 2013 Geomagnetic Indices (provisional)										Daily Average and Sum								
	aa					quiet days	am and Km for each three hour interval								Am Σ Km		Ap Σ Kp	
	N	S	am	pm	D		1	2	3	4	5	6	7	8	Am	Σ Km	Ap	Σ Kp
1	15	24	27	13	20	K	25 3-	29 30	20 2+	11 2-	30 30	13 2-	1 00	9 1+	17	16-	10	15+
2	2	3	3	2	2	CC *	5 1-	2 0+	2 0+	3 0+	2 0+	2 0+	0 00	1 00	2	2+	1	10
3	18	16	12	22	17	K	6 10	9 1+	7 10	21 3-	25 3-	17 2+	20 2+	11 2-	15	150	7	15+
4	10	7	10	8	9	CK	14 20	6 10	6 10	3 0+	3 0+	8 1+	11 2-	6 10	7	9-	4	8-
5	8	9	9	8	9	CC	2 0+	5 1-	6 10	17 2+	7 10	7 10	6 10	6 10	7	8+	4	8-
6	7	11	9	9	9	CC	11 2-	6 10	6 10	2 0+	5 1-	6 10	9 1+	6	80	3	6+	
7	14	10	8	16	12	K	13 2-	6 10	9 1+	3 0+	4 1-	5 1-	15 20	29 30	11	11-	5	100
8	43	42	61	25	43		77 5-	77 5-	47 4-	17 2+	15 20	41 4-	26 3-	9 1+	39	250	28	27+
9	8	10	7	12	9	CK	6 10	2 0+	2 0+	4 1-	12 2-	15 20	7 10	9 1+	7	8+	3	70
10	7	10	11	6	9	CC	5 1-	15 20	9 1+	10 1+	10 1+	5 1-	4 1-	3 0+	8	8+	4	7+
11	6	7	7	6	7	CC	3 0+	3 0+	5 1-	5 1-	9 1+	4 1-	2 0+	5 1-	5	50	3	6-
12	2	4	3	3	3	CC *	1 00	4 1-	1 00	5 1-	2 0+	0 00	2 0+	2 0+	2	2+	1	10
13	8	13	6	15	10	CK	3 0+	2 0+	2 0+	2 0+	20 2+	12 2-	8 1+	10 1+	7	80	3	60
14	28	30	25	34	29		33 30	36 3+	18 2+	11 2-	14 20	34 3+	56 40	22 3-	28	22+	14	22-
15	12	17	12	17	15		10 1+	7 10	11 2-	8 1+	14 20	34 3+	9 1+	8 1+	13	13+	5	11-
16	12	13	14	11	13	CC	16 20	16 20	13 2-	10 1+	7 10	6 10	8 1+	11 2-	11	120	6	12-
17	9	8	7	10	8	CC	10 1+	4 1-	0 00	1 00	1 00	9 1+	17 2+	6 10	6	7-	3	6+
18	7	8	8	8	8	CC	3 0+	6 10	9 1+	7 10	2 0+	9 1+	6 10	12 2-	7	80	3	60
19	11	13	8	17	12	CK	9 1+	8 1+	2 0+	0 00	7 10	16 20	21 3-	14 20	10	11-	5	10-
20	12	15	16	11	14		17 2+	15 20	3 0+	6 10	4 1-	10 1+	13 2-	5 1-	9	100	5	100
21	5	10	10	4	7	CC	9 1+	8 1+	8 1+	5 1-	3 0+	4 1-	8 1+	2 0+	6	7+	3	50
22	3	6	6	2	4	CC *	1 00	5 1-	2 0+	9 1+	1 00	3 0+	1 00	1 00	3	3-	1	10
23	4	4	4	4	4	CC	3 0+	3 0+	3 0+	3 0+	4 1-	3 0+	2 0+	4 1-	3	3+	2	30
24	4	6	3	8	5	CC	1 00	0 00	2 0+	0 00	1 00	8 1+	6 10	13 2-	4	4+	1	3-
25	14	24	18	20	19	K	10 1+	11 2-	13 2-	22 3-	37 3+	18 2+	11 2-	5 1-	16	15+	6	13-
26	3	9	5	7	6	CK *	7 10	4 1-	4 1-	4 1-	9 1+	4 1-	2 0+	2 0+	5	6-	2	3-
27	3	5	2	5	4	CC *	4 1-	1 00	1 00	1 00	2 0+	2 0+	11 2-	6 10	4	40	1	1+
28	5	10	4	11	7	CC	1 00	2 0+	2 0+	3 0+	7 10	6 10	9 1+	14 20	6	6+	2	3+
29	9	12	12	9	10	CC	13 2-	6 10	5 1-	14 20	7 10	11 2-	10 1+	5 1-	9	100	4	7+
30	4	7	5	6	6	CC	2 0+	2 0+	9 1+	8 1+	6 10	10 1+	5 1-	4 1-	6	70	2	3+
31	8	16	13	11	12	CC	12 2-	10 1+	18 2+	11 2-	11 2-	9 1+	13 2-	13 2-	12	13+	5	10+

ROT DAY IN SOLAR ROTATION INTERVAL Three-hour indices Km(provisional) DEC 2013

No	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27
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ROT DAY IN SOLAR ROTATION INTERVAL Three-hour indices aa (logscale) DEC 2013-MAR 2014

No	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27
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