

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

OCTOBER 2013

SSC - Storm Sudden Commencements

SFE - Solar Flare Effects

02 01 55 A: SOD LER* ESK* WNG* NGK* HAD* DOU HRB
NAG* MMB* EBR* KAK* KNY* GUI GNG* CNB
LIV*
B: NUR VAL* BDV* GCK
C: None

08 20 21 A: NUR LER* ESK* WNG* NGK* HAD* DOU HRB
NAG* MMB* EBR* SPT KAK* KNY* GNG CNB
LIV
B: None
C: VAL* GCK

29 10 34 A: LER ESK HAD
B: GNG* CNB
C: VAL* SPT*

09 1403-1419 LER ESK
24 0019-0055 MMB KAK KNY
24 0025-0052 GNG CNB
25 0252-0330 MMB KAK KNY
25 0259-0317 CNB
25 0751-0830 MMB KAK KNY
25 0757-0838 LER ESK HAD EBR GNG
25 1454-1536 LER ESK HAD EBR SPT
LIV
26 0602-0640 MMB KAK KNY
28 0153-0225 MMB KAK KNY
28 0436-0450 MMB KAK KNY
28 1402-1420 LER ESK HAD EBR LIV
28 1457-1508 EBR LIV
28 1509-1531 LIV
29 2148-2210 MMB KAK KNY GNG CNB

REPORTING OBSERVATORIES (up to the 5th of December 2013):

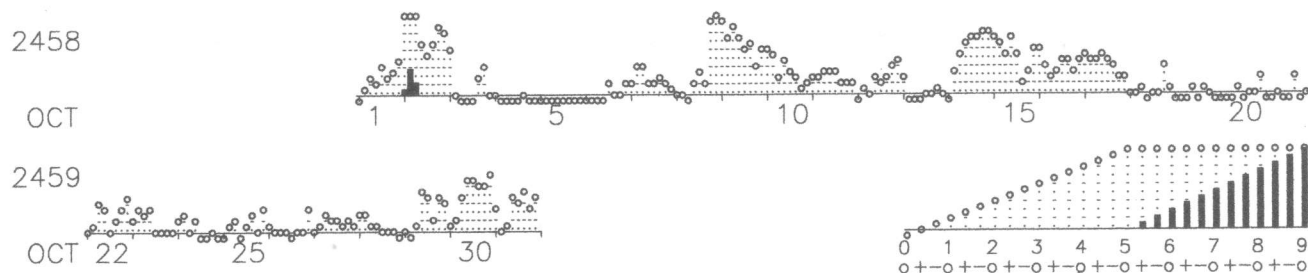
SOD NUR LER ESK WNG NGK VAL HAD DOU BDV HRB NAG GCK MMB EBR SPT KAK KNY GUI GNG CNB LIV

	FIVE INTERNATIONAL QUIETEST DAYS					FIVE INTERNATIONAL MOST DISTURBED DAYS				
October 2013	5	28	4	19	21	2	9	14*	15*	30*

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OCTOBER 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					
1	12	11	6	17	12	C	1 0o	4 1-	9 1+	6 1o	15 2o	8 1+	12 2-	17 2+	9	10+	4	9o	
2	85	66	100	51	75		109 5+	198 6+	123 6-	34 3+	24 3-	36 3+	70 4+	56 4o	81	35o	58	39o	
3	9	9	10	8	9	K	29 3o	2 0+	1 0o	1 0o	1 0o	10 1+	14 2o	2 0+	8	7o	4	7-	
4	3	2	2	3	2	CC*	2 0+	1 0o	1 0o	1 0o	1 0o	3 0+	1 0o	0 0o	1	1-	1	1o	
5	2	2	2	2	2	CC*	0 0o	0 0o	0 0o	1 0o	1 0o	1 0o	1 0o	1 0o	1	0o	0	0+	
6	5	5	2	8	5	CC	0 0o	0 0o	1 0o	1 0o	6 1o	2 0+	3 0+	7 1o	3	3-	2	3+	
7	9	8	9	8	9	CC	6 1o	16 2o	14 2o	7 1o	6 1o	8 1+	6 1o	5 1-	9	10o	5	9-	
8	29	27	5	51	28		2 0+	3 0+	1 0o	6 1o	11 2-	7 1o	78 5-	97 5o	26	14o	17	15o	
9	54	42	70	26	48		71 5-	49 4-	67 4+	45 4-	32 3o	35 3+	14 2o	30 3o	43	28-	29	30+	
10	18	14	23	9	16		30 3o	25 3-	9 1+	20 2+	12 2-	8 1+	5 1-	6 1o	14	14o	9	15o	
11	11	9	11	9	10	CC	8 1+	10 1+	13 2-	11 2-	12 2-	7 1o	6 1o	6 1o	9	11-	5	11o	
12	10	7	4	13	9	CC	1 0o	5 1-	3 0+	9 1+	6 1o	8 1+	15 2o	20 2+	8	9o	4	8o	
13	5	3	5	3	4	CK	9 1+	0 0o	0 0o	1 0o	3 0+	2 0+	5 1-	2 0+	3	3o	2	3-	
14	39	29	22	47	34		1 0o	12 2-	22 3-	37 3+	49 4-	46 4-	51 4o	51 4o	34	23o	18	24-	
15	35	26	38	22	30		41 4-	36 3+	26 3-	41 4-	23 3-	6 1o	11 2-	28 3o	27	22-	17	23-	
16	22	16	17	21	19		28 3o	15 2o	9 1+	11 2-	18 2+	19 2+	13 2-	17 2+	16	17-	10	18+	
17	16	15	18	13	16		21 3-	17 2+	20 2+	26 3-	19 2+	15 2o	9 1+	8 1+	17	17o	9	17+	
18	6	6	4	8	6	CC	2 0+	2 0+	4 1-	1 0o	3 0+	2 0+	14 2o	5 1-	4	5-	2	3+	
19	4	4	4	4	4	CC*	1 0o	0 0o	1 0o	4 1-	1 0o	5 1-	2 0+	1 0o	2	2-	1	2o	
20	4	5	4	5	4	CC	1 0o	0 0o	1 0o	4 1-	1 0o	2 0+	2 0+	9 1+	3	3-	2	3-	
21	3	5	4	4	4	CC*	1 0o	1 0o	2 0+	1 0o	1 0o	9 1+	1 0o	3 0+	2	2o	1	2o	
22	12	13	13	12	12	KC	2 0+	4 1-	14 2o	13 2-	3 0+	6 1o	12 2-	18 2+	9	10o	4	9-	
23	6	7	10	3	6	CC	7 1o	11 2-	9 1+	12 2-	3 0+	2 0+	2 0+	2 0+	6	7o	4	7o	
24	4	9	10	2	6	CC	7 1o	9 1+	2 0+	7 1o	1 0o	1 0o	2 0+	0 0o	4	4o	2	3-	
25	6	6	4	8	6	CC	1 0o	5 1-	6 1o	1 0o	5 1-	9 1+	3 0+	11 2-	5	6-	2	3+	
26	3	6	3	5	4	CC	4 1-	3 0+	3 0+	3 0+	1 0o	3 0+	3 0+	11 2-	4	4o	2	3-	
27	4	8	6	7	6	CC	2 0+	4 1-	8 1+	6 1o	6 1o	4 1-	6 1o	4 1-	5	7-	2	4-	
28	4	7	7	4	5	CC*	9 1+	10 1+	4 1-	4 1-	3 0+	3 0+	3 0+	0 0o	5	5o	1	2-	
29	16	15	12	20	16		3 0+	1 0o	4 1-	25 3-	19 2+	6 1o	19 2+	15 2o	12	11+	5	10+	
30	30	34	21	44	32		5 1-	6 1o	19 2+	37 3+	34 3+	31 3o	27 3o	41 4-	25	20+	13	20o	
31	15	15	11	19	15		11 2-	2 0+	4 1-	17 2+	15 2o	22 3-	11 2-	17 2+	12	14-	6	12+	

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



ROT DAY IN SOLAR ROTATION INTERVAL Three-hour indices aa (logscale) OCT-DEC 2013

