
INTERNATIONAL SERVICE OF GEOMAGNETIC INDICES

MONTHLY BULLETIN MARCH 2015

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1 IAGA Endorsed Geomagnetic Indices (non-definitive values)

1.1 *aa*

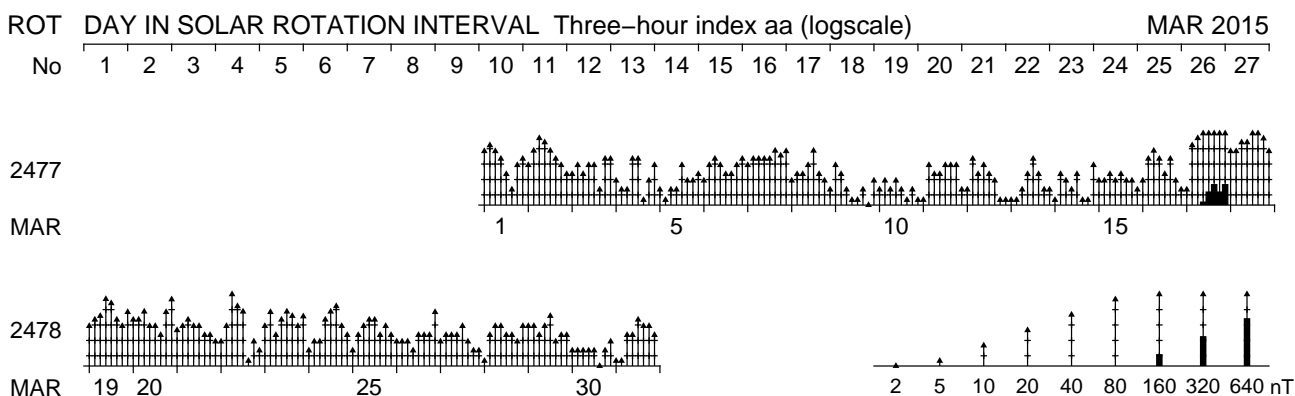
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1.2 *am*

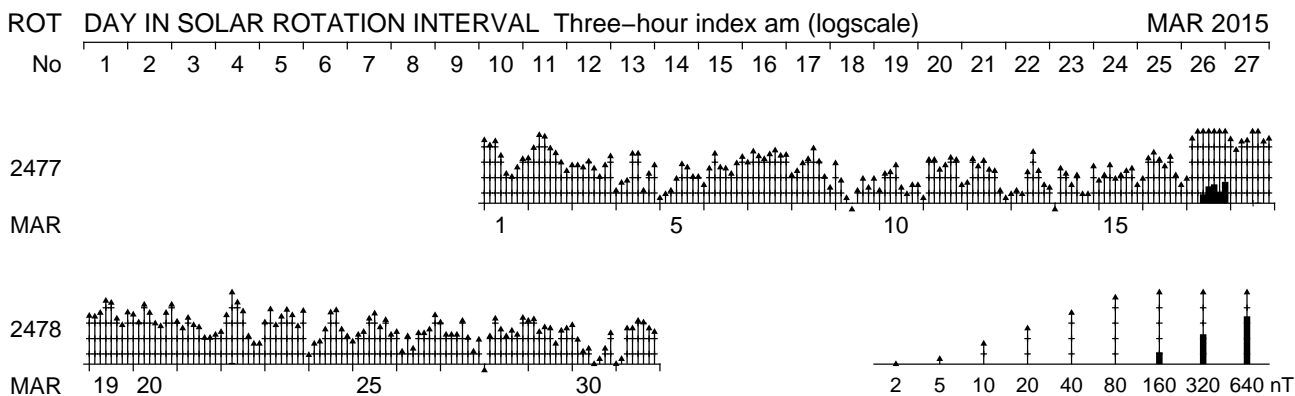
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1.3 K_p

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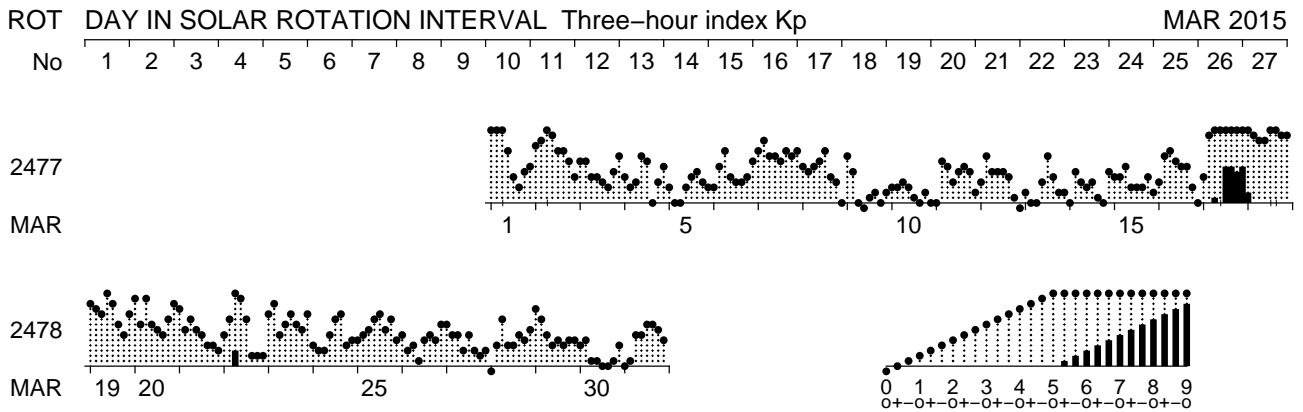
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1.4 *Dst*

ISGI Collaborating Institute:

World Data Center for Geomagnetism, Kyoto

Data Analysis Center for Geomagnetism and Space Magnetism

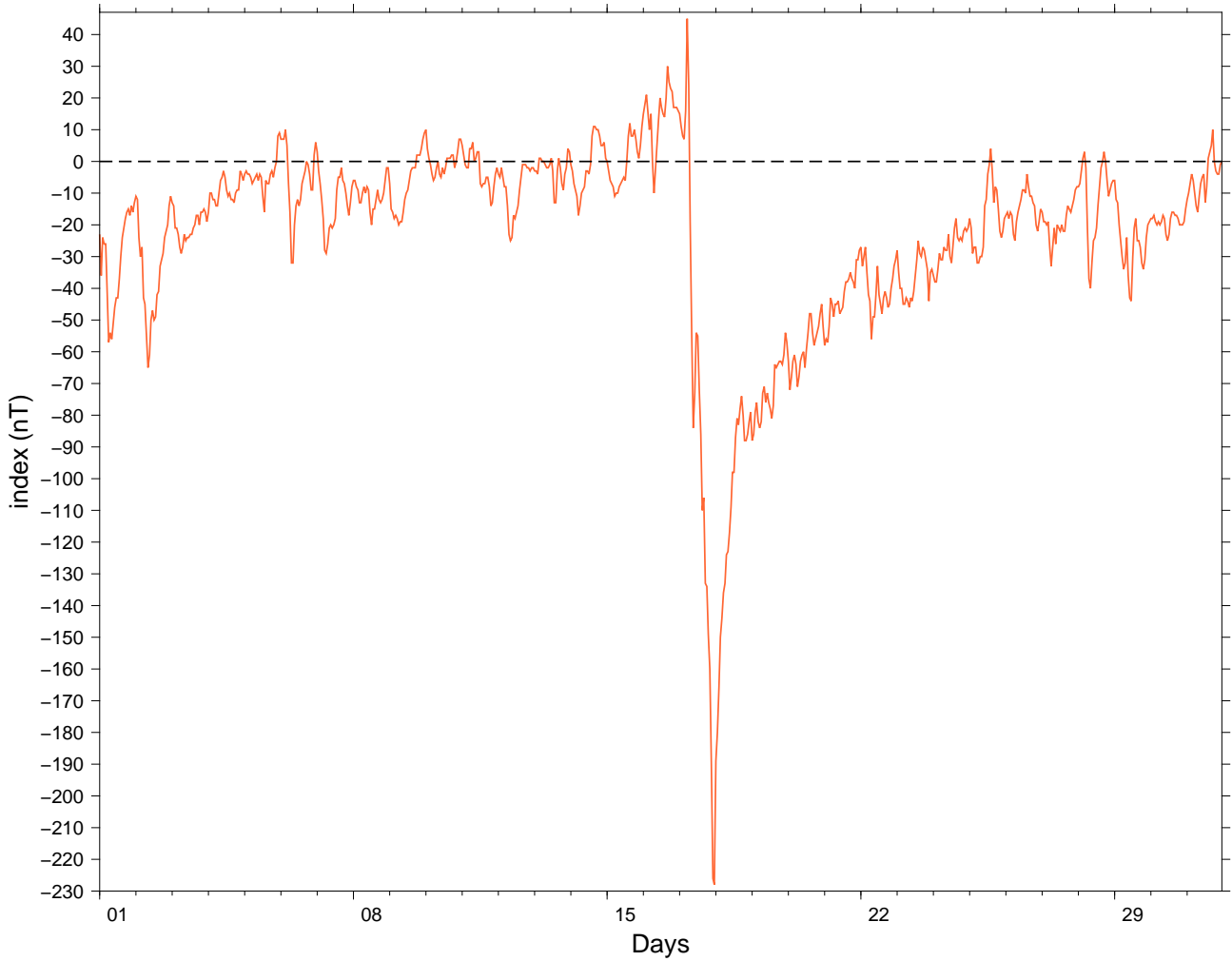
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Dst March 2015

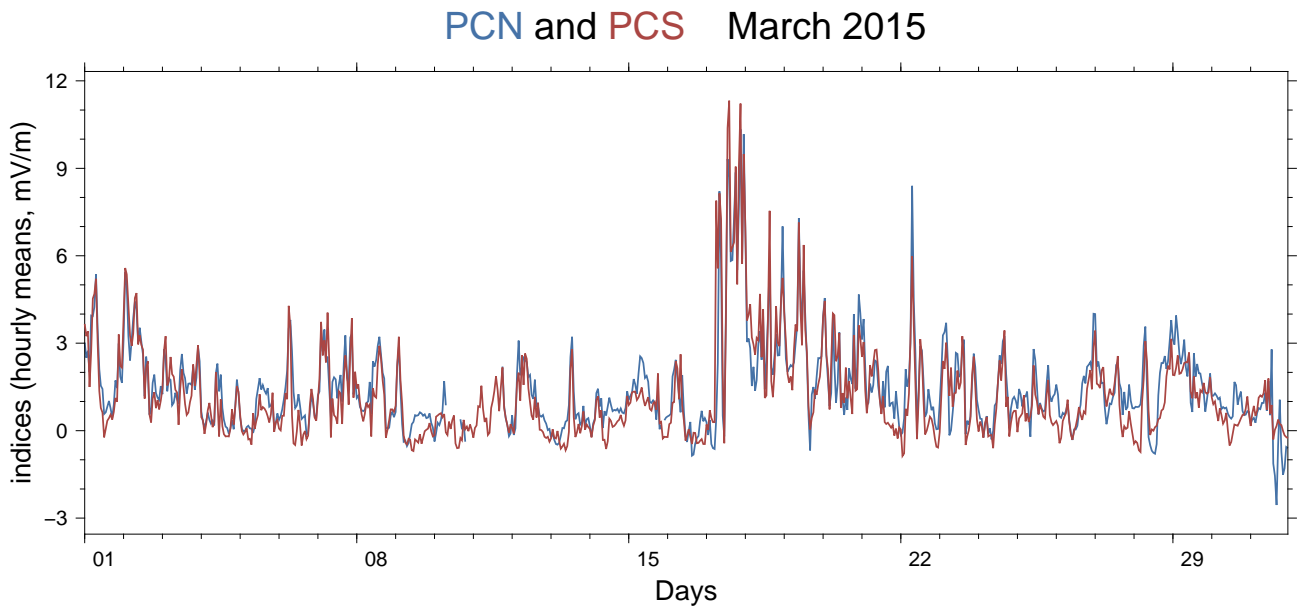


1.5 PC

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1.6 *AE*

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World Data Center for Geomagnetism, Kyoto

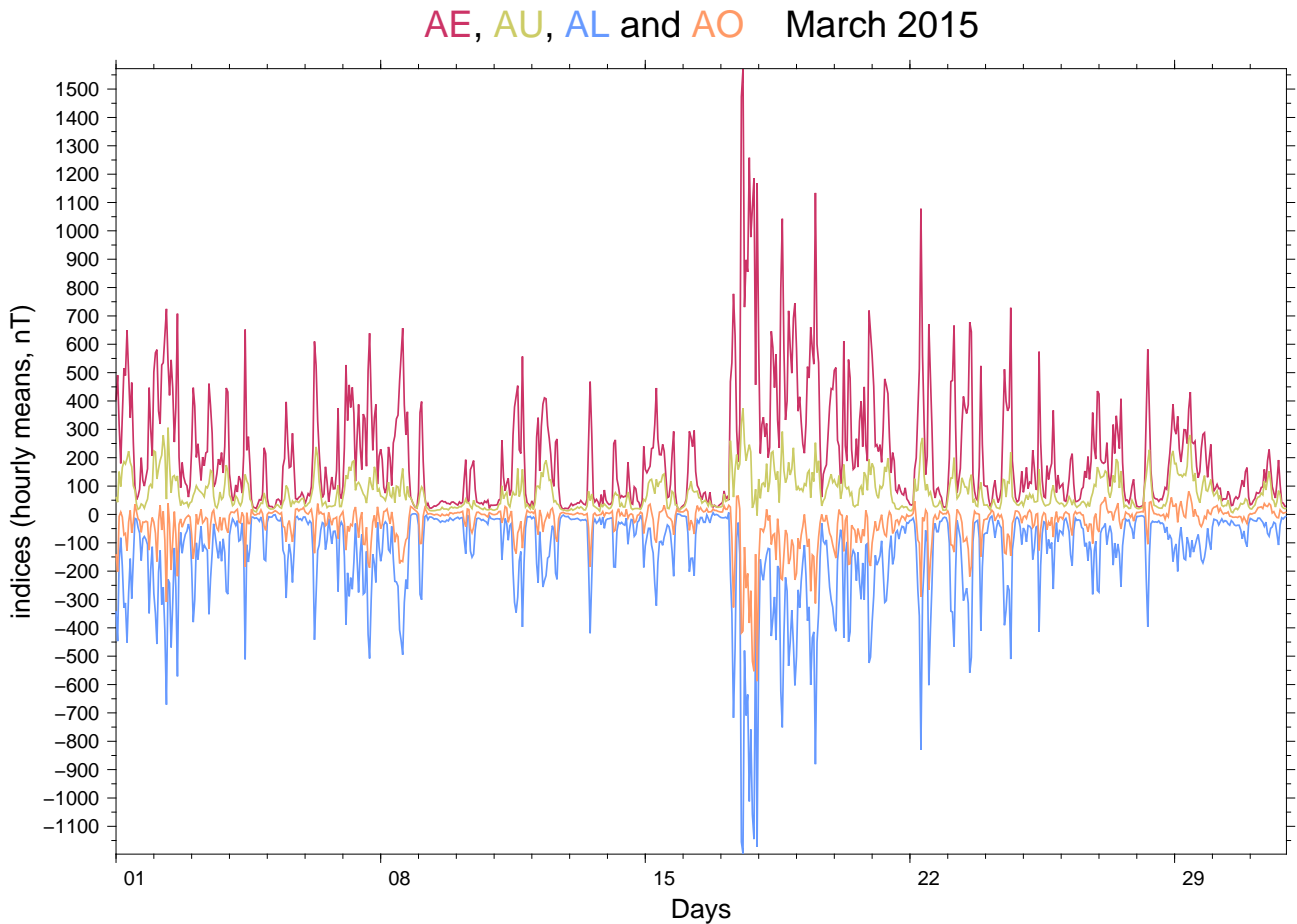
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2 IAGA Endorsed Geomagnetic Events (non-definitive values)

2.1 *SSC* and *SFE*

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SSC:

2015 03 17 04 45 A: NUR LER* ESK* WNG* NGK* VAL* HAD* DOU* BDV* HRB NAG*
GCK* MMB EBR* SPT* KAK KNY GUI HYB GNG* CNB

2015 03 21 20 54 A: WNG* NGK*
C: GCK
SI: LER ESK HAD

2015 03 31 08 33 A: GNG CNB*
B: NUR LER* ESK* WNG* NGK* HAD* HYB
C: EBR* SPT*

SFE:

2015 03 03 0133-0144 MMB KAK KNY
2015 03 09 1428-1446 LER ESK WNG NGK HAD BDV EBR SPT
1742-1751 WNG NGK
2015 03 10 0320-0339 MMB KAK KNY
2359-0017 MMB KAK KNY
2015 03 11 1616-1635 LER ESK HAD EBR SPT
2015 03 13 0551-0626 MMB KAK KNY

2.2 Classification of days

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Date	Aa	CK24	CK48	Ap	Q/D
2015-03-01	33	-	-	26	D5
2015-03-02	42	-	-	28	D3
2015-03-03	22	-	-	10	
2015-03-04	17	-	-	9	
2015-03-05	12	C	-	5	Q3
2015-03-06	23	-	-	10	
2015-03-07	35	-	-	21	
2015-03-08	19	-	-	11	
2015-03-09	10	C	-	5	Q5K
2015-03-10	8	C	C	4	Q1
2015-03-11	18	-	-	9	
2015-03-12	15	-	-	8	Q10A
2015-03-13	12	K	C	6	Q7K
2015-03-14	11	C	-	5	Q4
2015-03-15	13	-	-	6	Q6
2015-03-16	24	-	-	12	
2015-03-17	133	-	-	108	D1
2015-03-18	69	-	-	47	D2
2015-03-19	43	-	-	26	D4
2015-03-20	37	-	-	22	
2015-03-21	21	-	-	12	
2015-03-22	34	-	-	24	
2015-03-23	33	-	-	19	
2015-03-24	26	-	-	10	
2015-03-25	21	-	-	13	
2015-03-26	17	-	-	8	Q9A
2015-03-27	14	-	-	8	Q8A
2015-03-28	17	-	-	8	
2015-03-29	21	-	-	11	
2015-03-30	8	C	K	4	Q2
2015-03-31	17	-	-	9	

2.2.1 Truly magnetically very quiet (C) and quiet (K) periods (from aa)

The values for the CK24 define quietest days over 24-hours with:

$$\overline{(aa)} = Aa < 13 \text{ nT} \begin{cases} \text{“K” indicates a quiet K-day with } \sum(p) \geq 4 \\ \text{“C” indicates a really quiet C-day with } \sum(p) < 4 \end{cases}$$

The values for the CK48 define quietest days over 48-hours with:

$$\overline{(aa)} < 13 \text{ nT} \begin{cases} \text{“K” indicates a quiet K-day with } \sum(p) \geq 6 \\ \text{“C” indicates a really quiet C-day with } \sum(p) < 6 \end{cases}$$

where p is a weight assigned at each aa value.

2.2.2 10 international quietest days (Q1-10) and 5 most disturbed days (D1-5)

The values for Q -Days, $Q1 - Q10$, are the order number of the ten quietest days of the month.

A selected quiet day is considered not really quiet and is:

- marked by the letter “A” if ($Ap > 6 \text{ nT}$);
- marked by the letter “K” if ($Ap \leq 6 \text{ nT}$), or if one ($Kp > 3$), or two ($Kp > 2+$).

The values for D -Days, $D1 - D5$, are the order number of the five most disturbed days of the month. A selected disturbed day is considered not really disturbed and marked by “*” if ($Ap < 20 \text{ nT}$).