
INTERNATIONAL SERVICE OF GEOMAGNETIC INDICES

MONTHLY BULLETIN JULY 2015

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Contents

1	IAGA Endorsed Geomagnetic Indices (non-definitive values)	2
1.1	<i>aa</i>	2
1.2	<i>am</i>	2
1.3	<i>Kp</i>	3
1.4	<i>Dst</i>	4
1.5	<i>PC</i>	5
1.6	<i>AE</i>	6
2	IAGA Endorsed Geomagnetic Events (non-definitive values)	7
2.1	<i>SSC</i> and <i>SFE</i>	7
2.2	Classification of days	8
2.2.1	Truly magnetically very quiet (C) and quiet (K) periods (from <i>aa</i>)	9
2.2.2	10 international quietest days (Q1-10) and 5 most disturbed days (D1-5)	9

1 IAGA Endorsed Geomagnetic Indices (non-definitive values)

1.1 *aa*

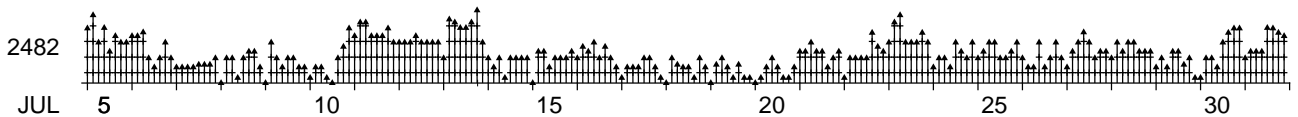
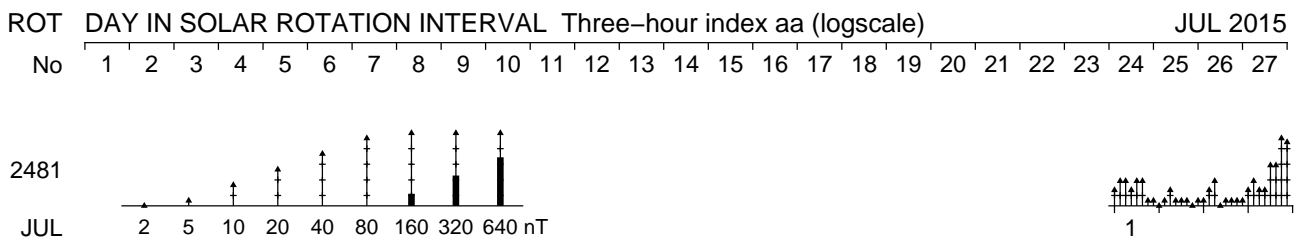
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Contact: A. Chambodut <isgi@unistra.fr>



1.2 *am*

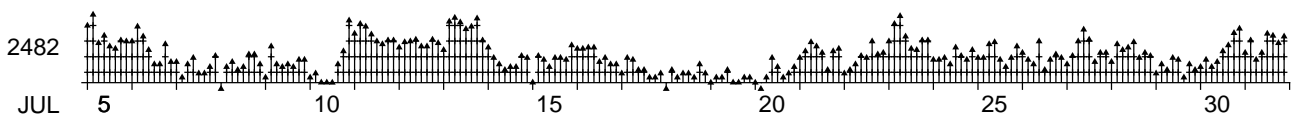
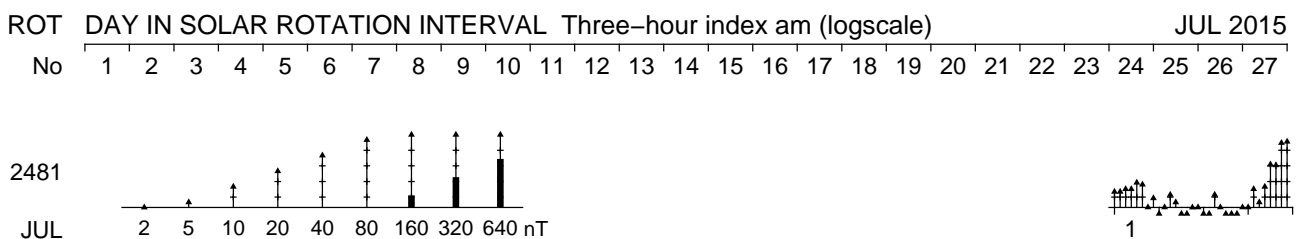
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1.3 K_p

ISGI Collaborating Institute:

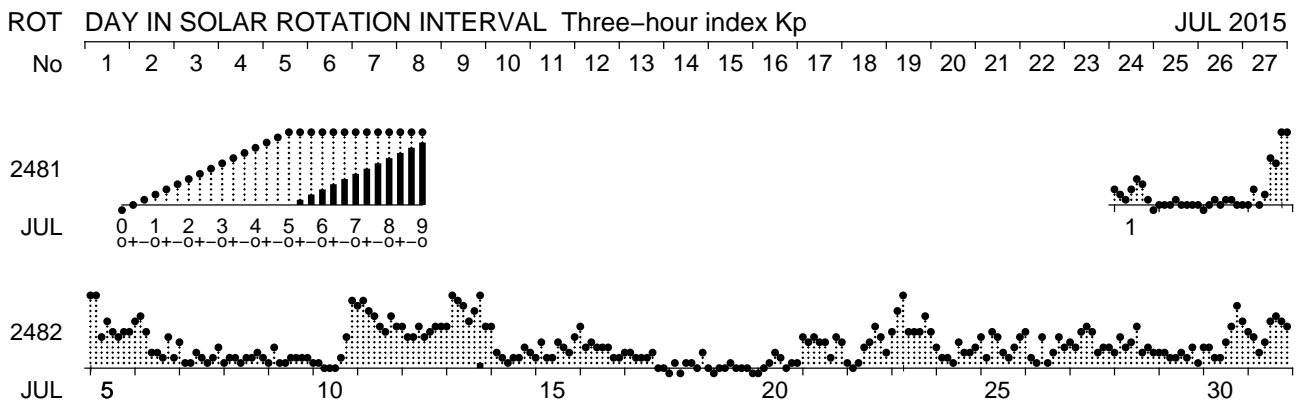
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1.4 *Dst*

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World Data Center for Geomagnetism, Kyoto

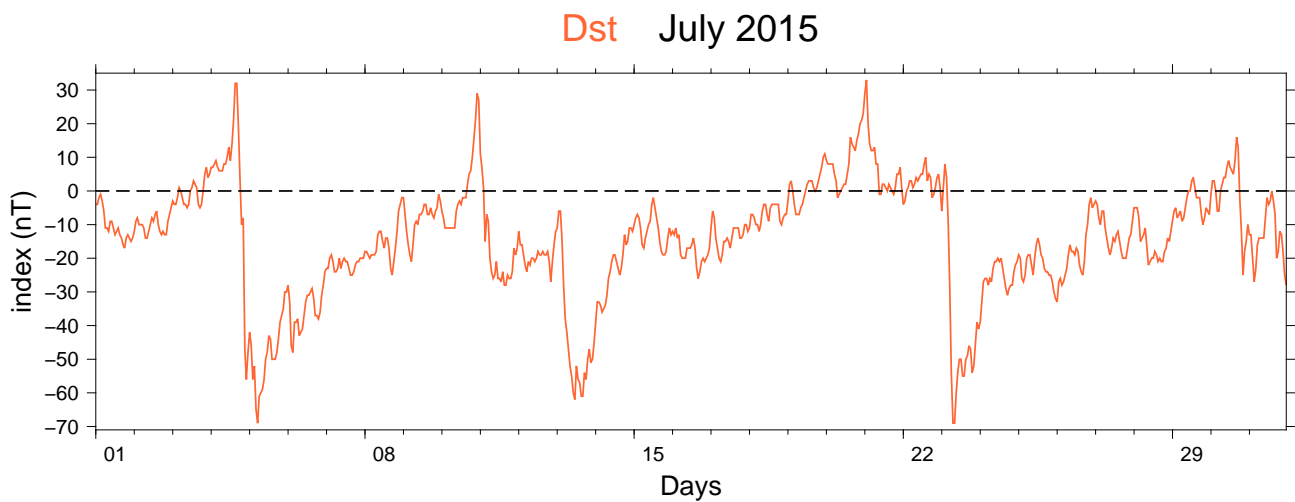
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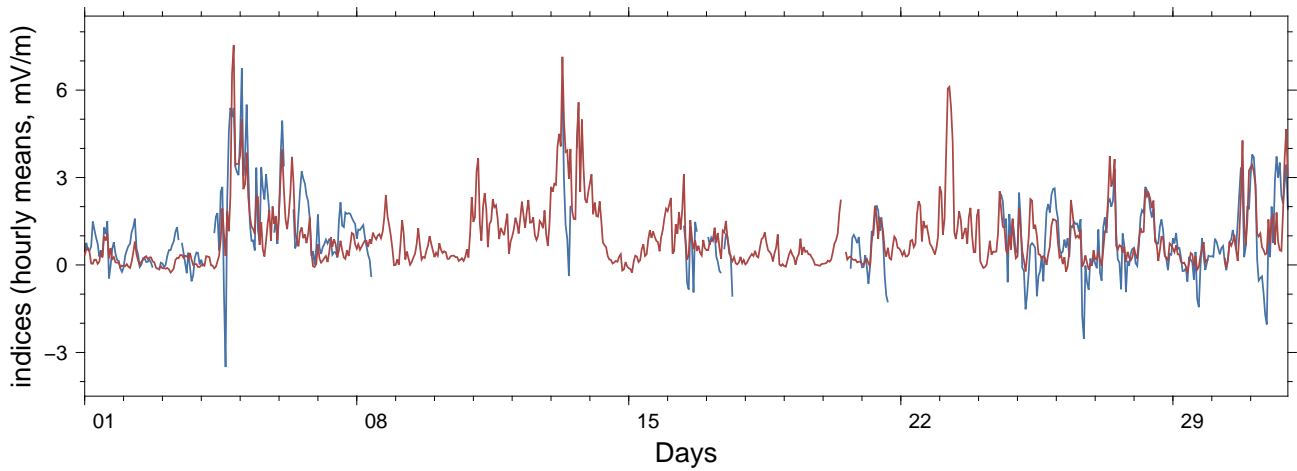
1.5 PC

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PCN and PCS July 2015



1.6 *AE*

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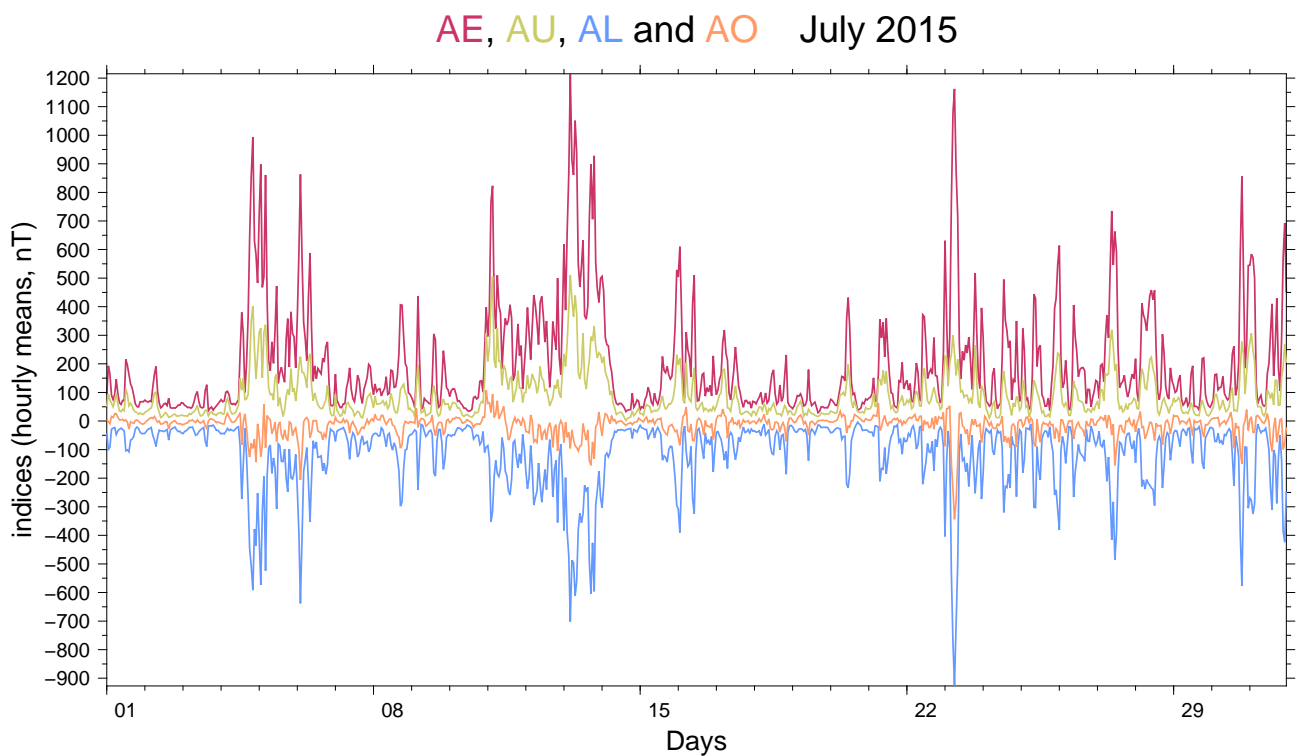
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2 IAGA Endorsed Geomagnetic Events (non-definitive values)

2.1 *SSC* and *SFE*

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SSC:

2015 07 10 15 54 A: WNG* NGK* GUI
B: NUR LER* ESK* HAD* NAG SPT*
C: BDV GCK HYB GNG CNB

2015 07 30 15 37 B: LER* ESK* HAD*
C: SPT*

SFE:

2015 07 03 1250-1255 LER ESK WNG NGK HAD BDV EBR SPT

2.2 Classification of days

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Date	Aa	CK24	CK48	Ap	Q/D
2015-07-01	9	C	C	4	
2015-07-02	5	C	C	2	Q2
2015-07-03	6	C	C	2	Q3
2015-07-04	29	-	-	19	D5*
2015-07-05	37	-	-	22	D3
2015-07-06	21	-	-	10	
2015-07-07	9	C	C	4	Q10
2015-07-08	10	C	C	4	Q6
2015-07-09	11	C	C	4	Q8
2015-07-10	13	-	-	8	
2015-07-11	39	-	-	23	D2
2015-07-12	25	-	-	12	
2015-07-13	52	-	-	33	D1
2015-07-14	11	C	-	6	
2015-07-15	12	C	-	6	
2015-07-16	16	-	-	7	
2015-07-17	8	C	C	4	Q7
2015-07-18	8	C	C	2	Q4
2015-07-19	7	C	C	2	Q1
2015-07-20	7	C	C	3	Q5
2015-07-21	16	-	C	7	
2015-07-22	16	-	-	6	
2015-07-23	37	-	-	21	D4
2015-07-24	15	-	-	5	
2015-07-25	18	-	-	7	
2015-07-26	14	-	-	6	
2015-07-27	19	-	-	9	
2015-07-28	19	-	-	7	
2015-07-29	11	C	C	4	Q9
2015-07-30	24	-	-	12	
2015-07-31	28	-	-	13	

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 ($Ap < 20 \text{ nT}$).