
INTERNATIONAL SERVICE OF GEOMAGNETIC INDICES

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1 IAGA Endorsed Geomagnetic Indices (non-definitive values)

1.1 *aa*

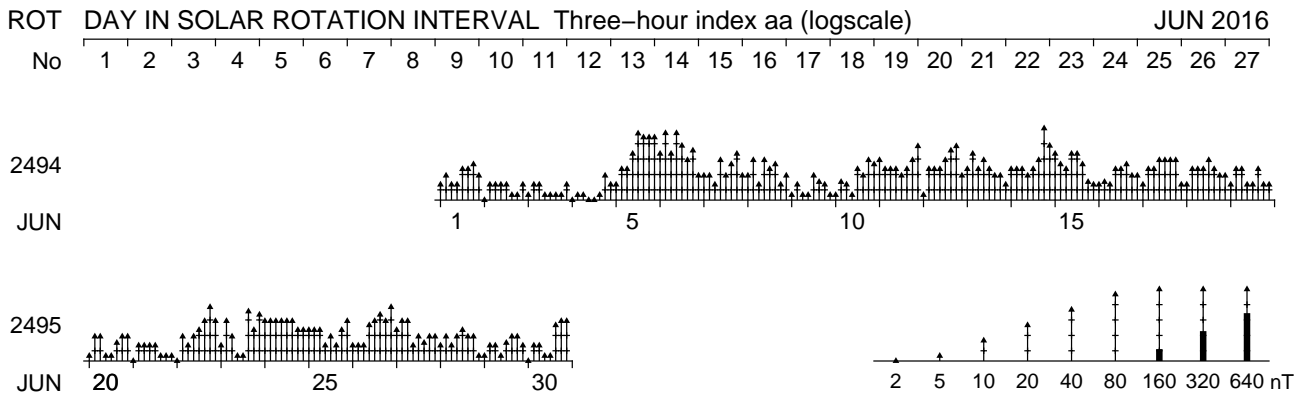
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1.2 *am*

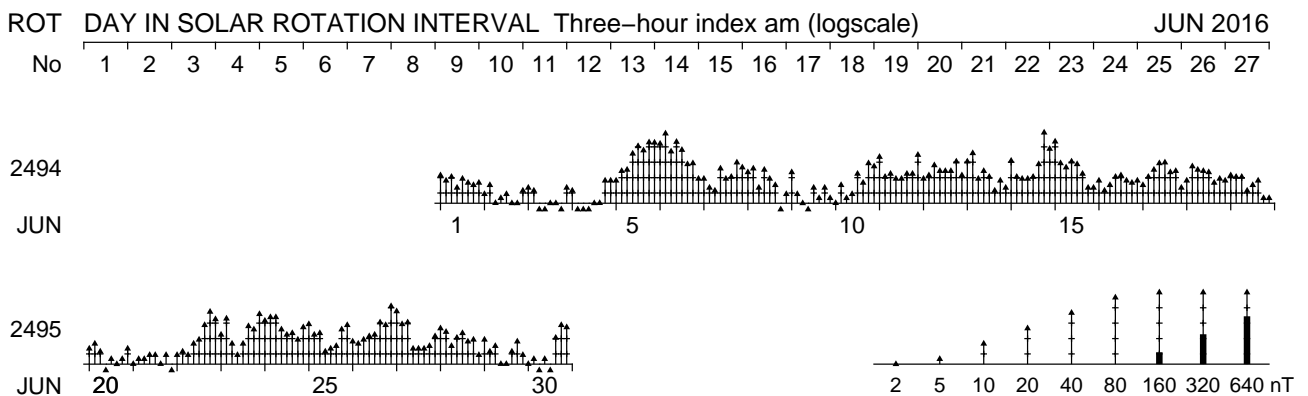
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1.3 K_p

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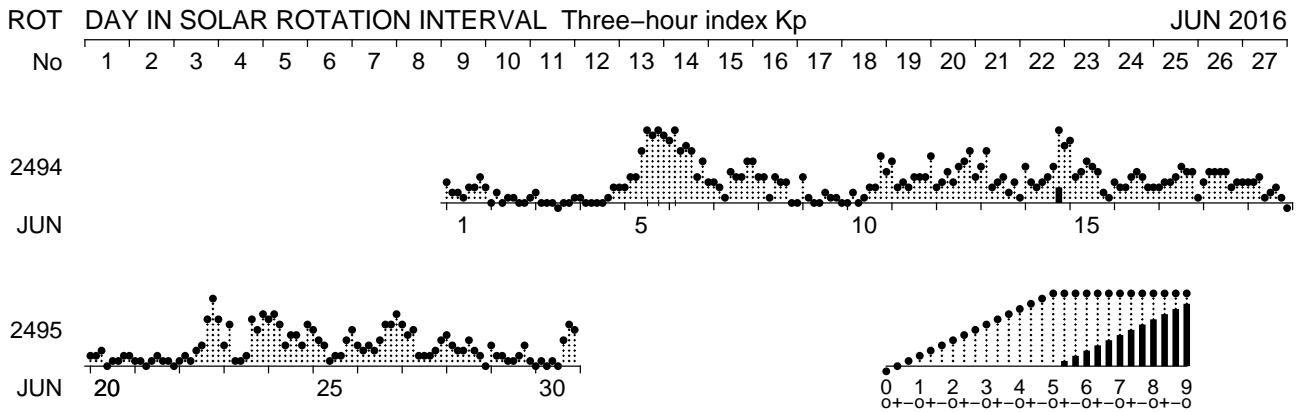
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1.4 *Dst*

ISGI Collaborating Institute:

World Data Center for Geomagnetism, Kyoto

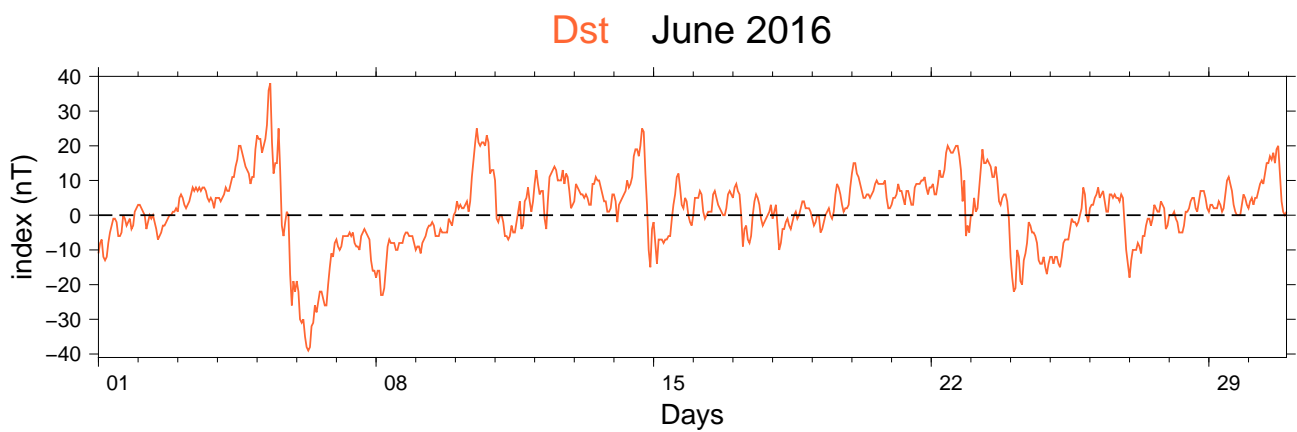
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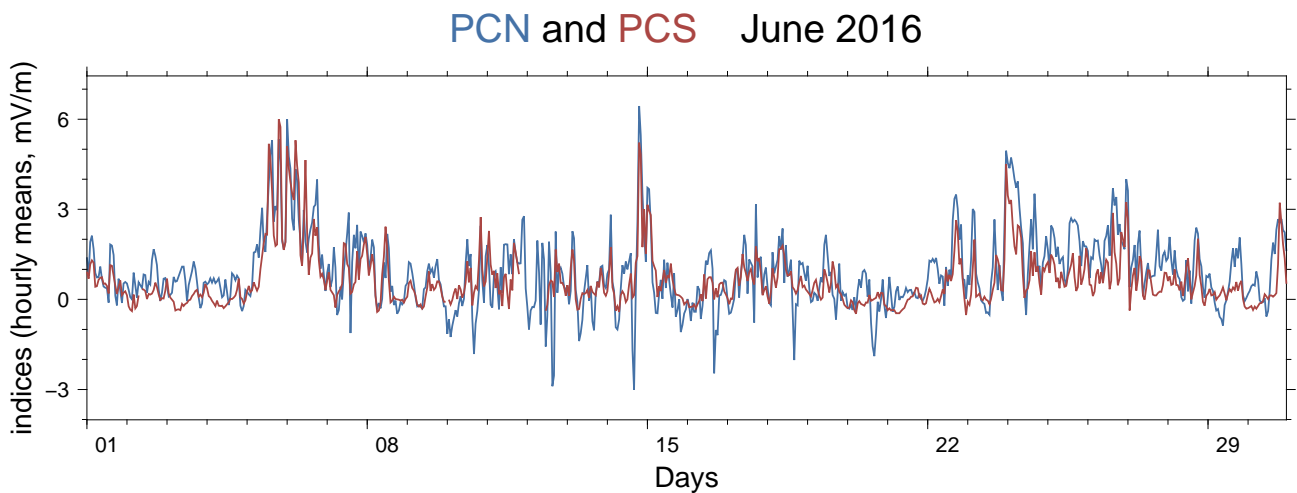


1.5 PC

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1.6 *AE*

ISGI Collaborating Institute:

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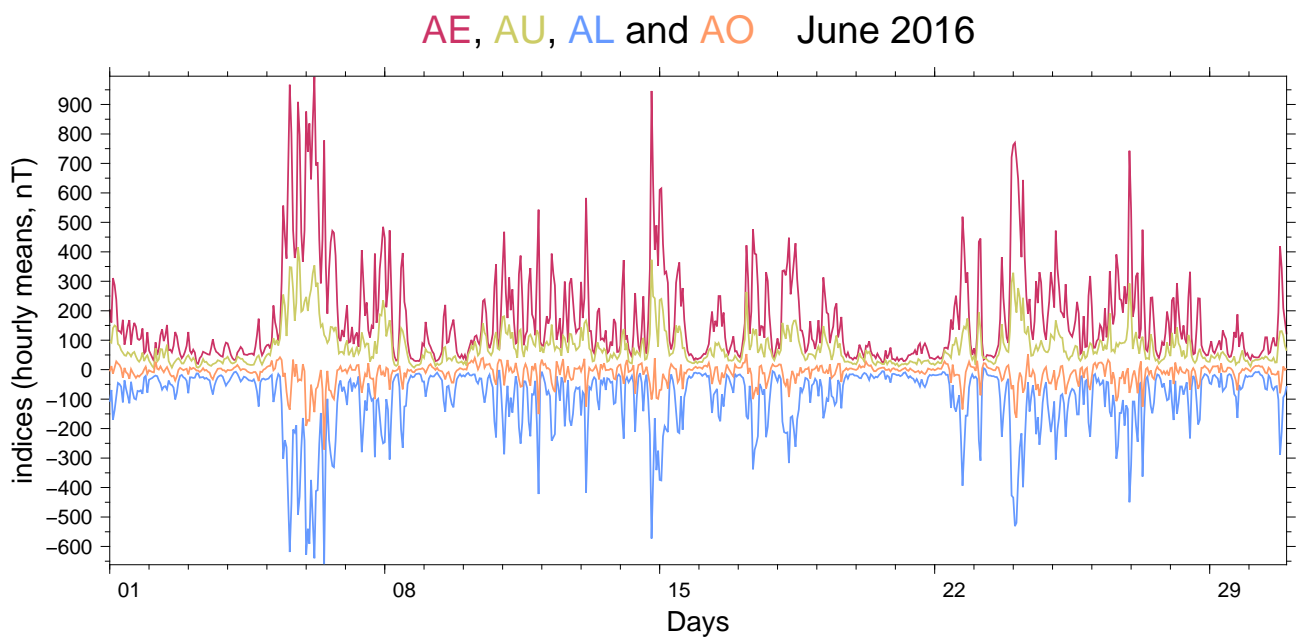
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2 IAGA Endorsed Geomagnetic Events (non-definitive values)

2.1 *SSC* and *SFE*

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SSC:

NONE

SFE:

NONE

2.2 Classification of days

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Date	Aa	CK24	CK48	Ap	Q/D
2016-06-01	13	-	-	5	Q9
2016-06-02	7	C	C	3	Q2
2016-06-03	6	C	C	2	Q1
2016-06-04	5	C	C	3	Q4
2016-06-05	44	-	-	29	D1
2016-06-06	43	-	-	23	D2
2016-06-07	17	-	-	8	
2016-06-08	16	-	-	5	Q10
2016-06-09	7	C	C	3	Q6
2016-06-10	12	C	-	6	
2016-06-11	21	-	-	9	
2016-06-12	21	-	-	10	
2016-06-13	17	-	-	8	
2016-06-14	31	-	-	21	D3
2016-06-15	21	-	-	11	D5*
2016-06-16	13	-	-	6	
2016-06-17	18	-	-	7	
2016-06-18	15	-	-	7	
2016-06-19	11	C	C	4	Q8
2016-06-20	9	C	C	4	Q5
2016-06-21	6	C	C	3	Q3
2016-06-22	18	-	-	12	
2016-06-23	17	-	-	10	
2016-06-24	22	-	-	12	D4*
2016-06-25	15	-	-	7	
2016-06-26	21	-	-	10	
2016-06-27	15	-	-	8	
2016-06-28	11	C	C	5	
2016-06-29	8	C	C	4	Q7
2016-06-30	12	K	-	6	

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