
INTERNATIONAL SERVICE OF GEOMAGNETIC INDICES

MONTHLY BULLETIN JUNE 2017

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1 IAGA Endorsed Geomagnetic Indices (non-definitive values)

1.1 *aa*

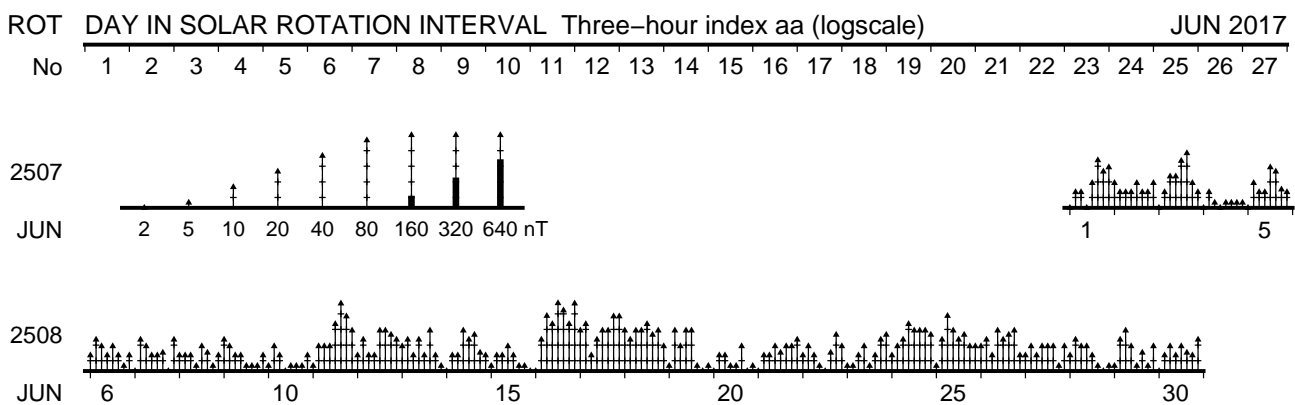
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1.2 *am*

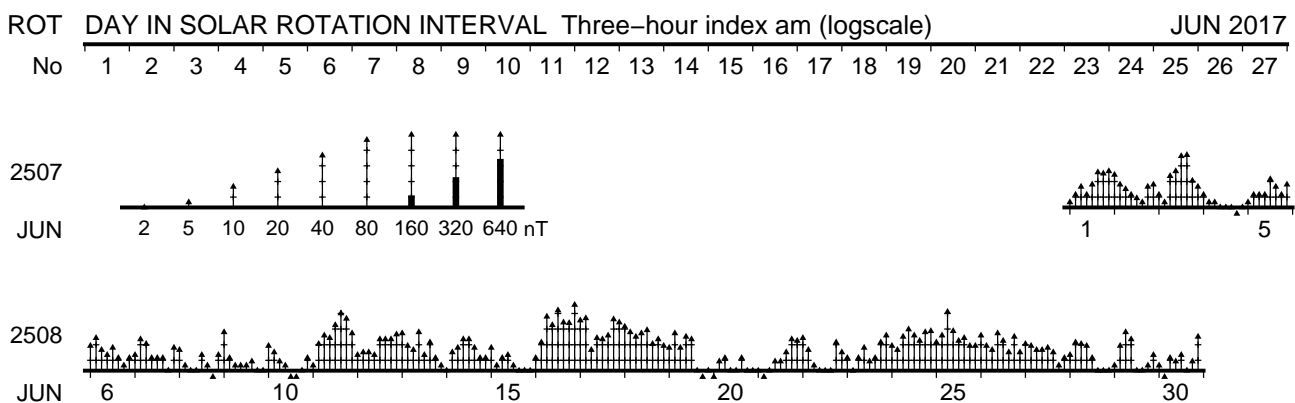
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1.3 K_p

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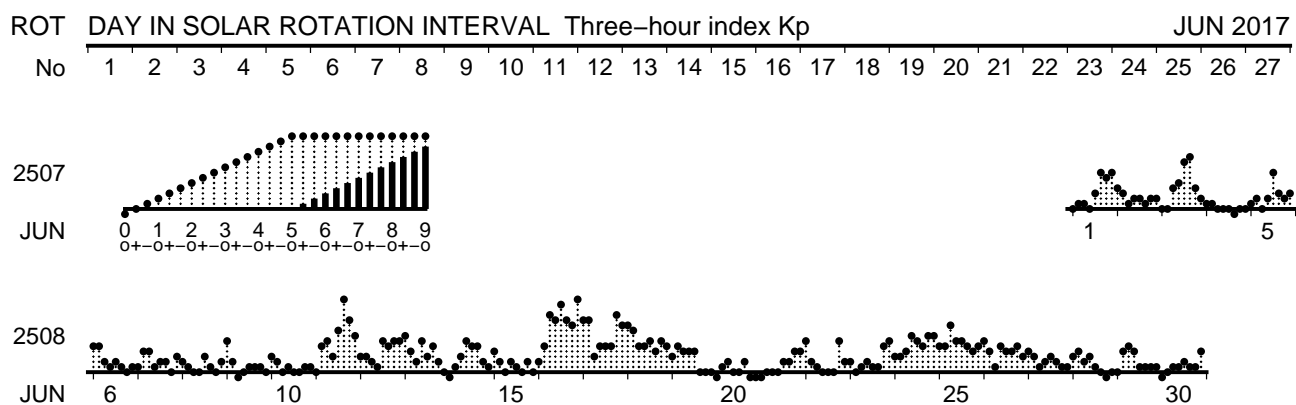
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1.4 *Dst*

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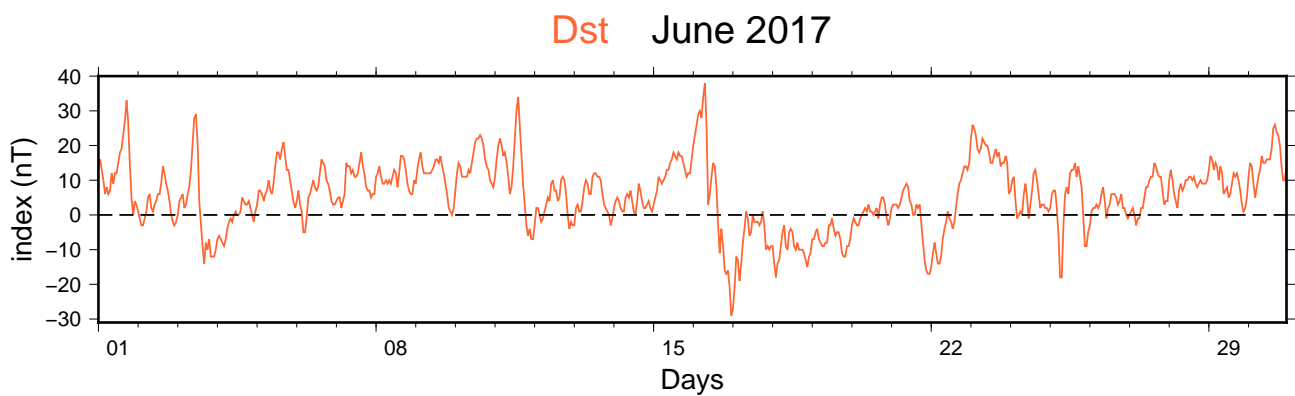
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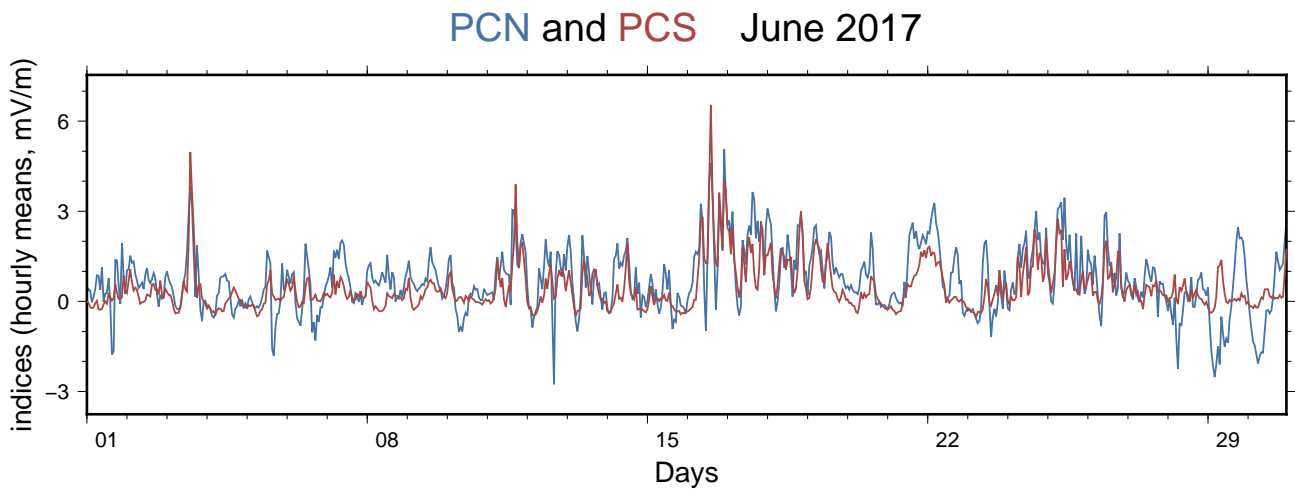


1.5 PC

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1.6 *AE*

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Data Analysis Center for Geomagnetism and Space Magnetism

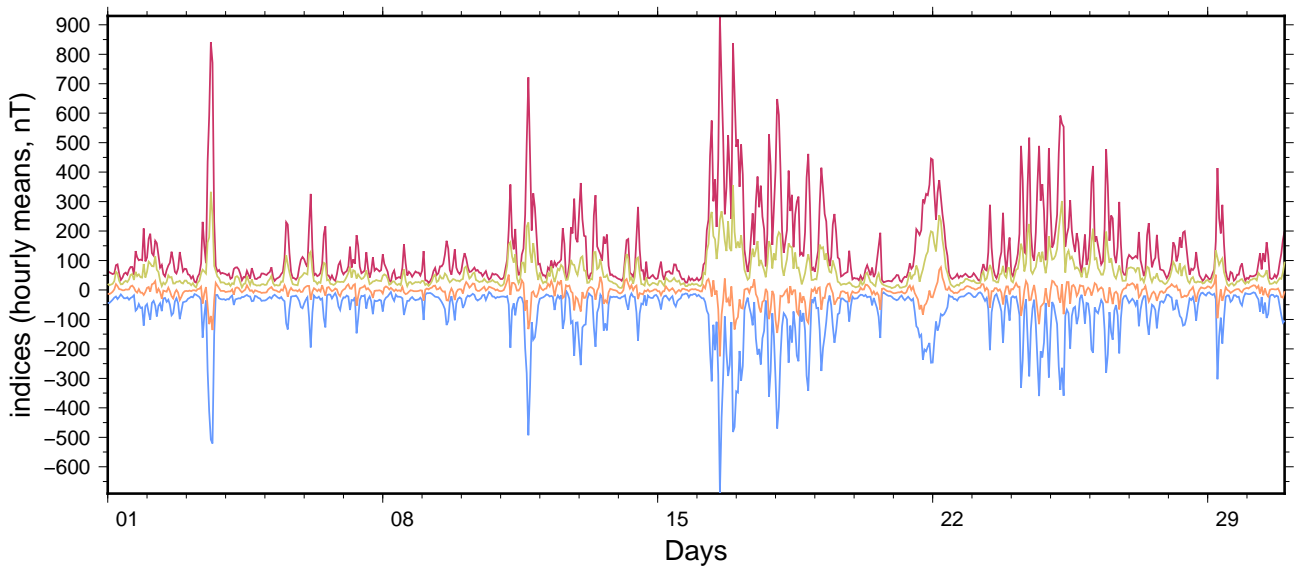
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AE, AU, AL and AO June 2017



2 IAGA Endorsed Geomagnetic Events (non-definitive values)

2.1 SC (SSC/SI) and SFE

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SC:

2017 06 11 14 40 A: GUI
B: LER* ESK* HAD* SPT*
C: EBR

2017 06 16 02 56 B: LER WNG NGK HAD*
C: VAL* DOU GCK EBR SPT* GUI

SFE:

NONE

2.2 Classification of days

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Date	Aa	CK24	CK48	Ap	Q/D
2017-06-01	14	-	K	6	
2017-06-02	10	C	-	4	Q10
2017-06-03	17	-	K	8	
2017-06-04	5	C	K	2	Q1
2017-06-05	11	C	C	5	
2017-06-06	10	C	C	4	
2017-06-07	9	C	C	4	
2017-06-08	8	C	C	3	Q4
2017-06-09	8	C	C	3	Q9
2017-06-10	6	C	C	3	Q3
2017-06-11	28	-	-	15	D3*
2017-06-12	16	-	-	6	
2017-06-13	12	C	-	6	
2017-06-14	12	C	C	5	
2017-06-15	7	C	-	3	Q6
2017-06-16	44	-	-	23	D1
2017-06-17	27	-	-	14	D2*
2017-06-18	22	-	-	10	D4*
2017-06-19	13	-	-	4	
2017-06-20	6	C	C	2	Q2
2017-06-21	10	C	C	3	Q7
2017-06-22	10	C	C	4	
2017-06-23	10	C	K	4	
2017-06-24	20	-	-	8	
2017-06-25	19	-	-	9	D5*
2017-06-26	16	-	-	6	
2017-06-27	10	C	C	4	
2017-06-28	9	C	C	3	Q8
2017-06-29	11	C	C	4	
2017-06-30	9	C	C	3	Q5

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