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# INTERNATIONAL SERVICE OF GEOMAGNETIC INDICES

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## MONTHLY BULLETIN MARCH 2017

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# 1 IAGA Endorsed Geomagnetic Indices (non-definitive values)

## 1.1 *aa*

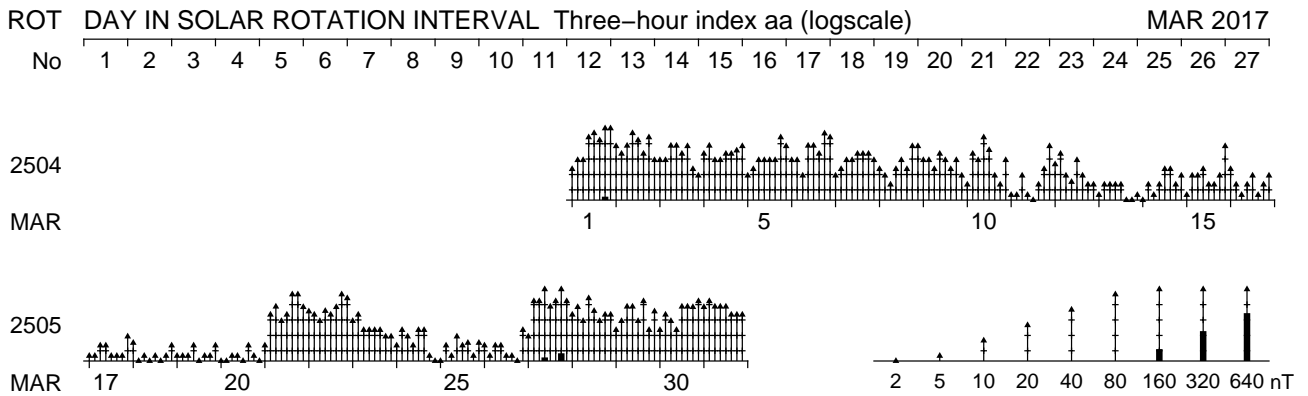
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## 1.2 *am*

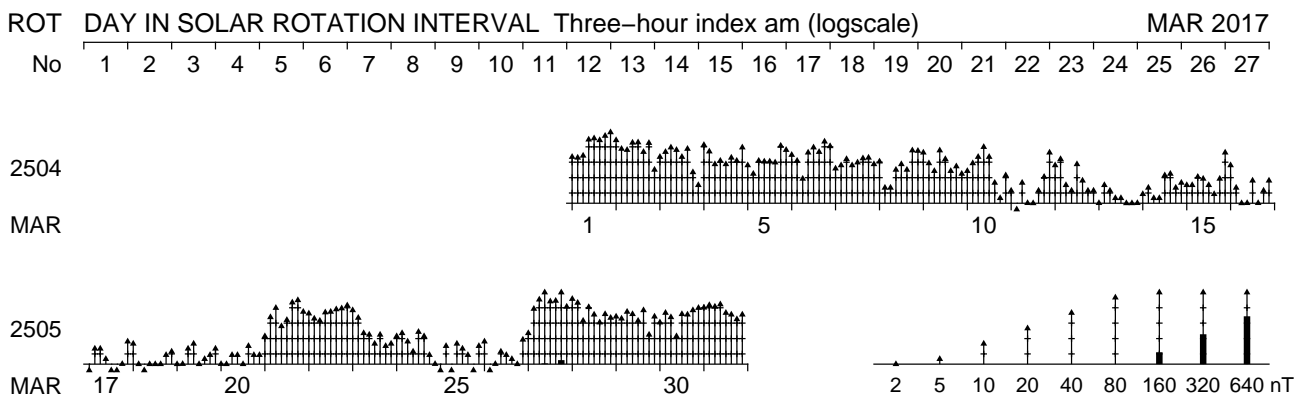
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### 1.3 $K_p$

#### ISGI Collaborating Institute:

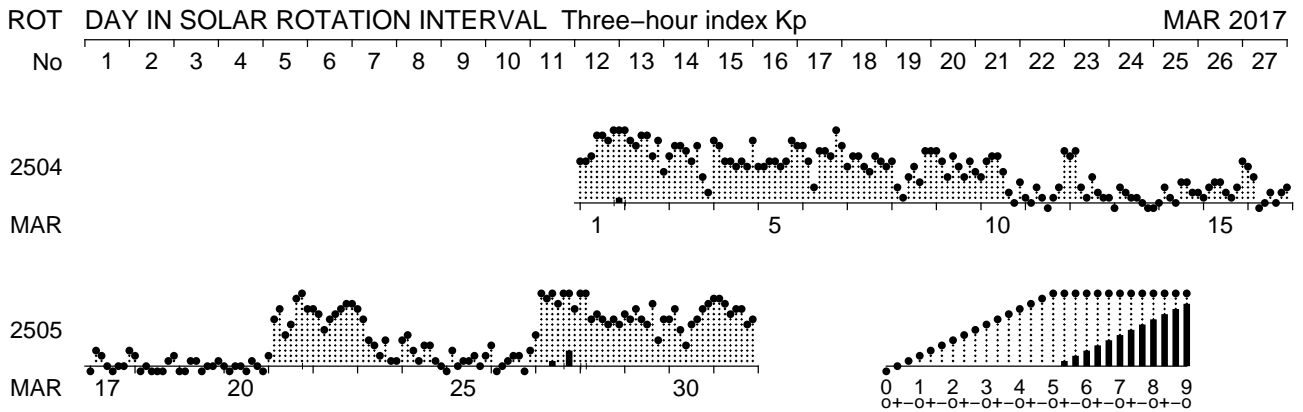
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## 1.4 *Dst*

### ISGI Collaborating Institute:

*World Data Center for Geomagnetism, Kyoto*

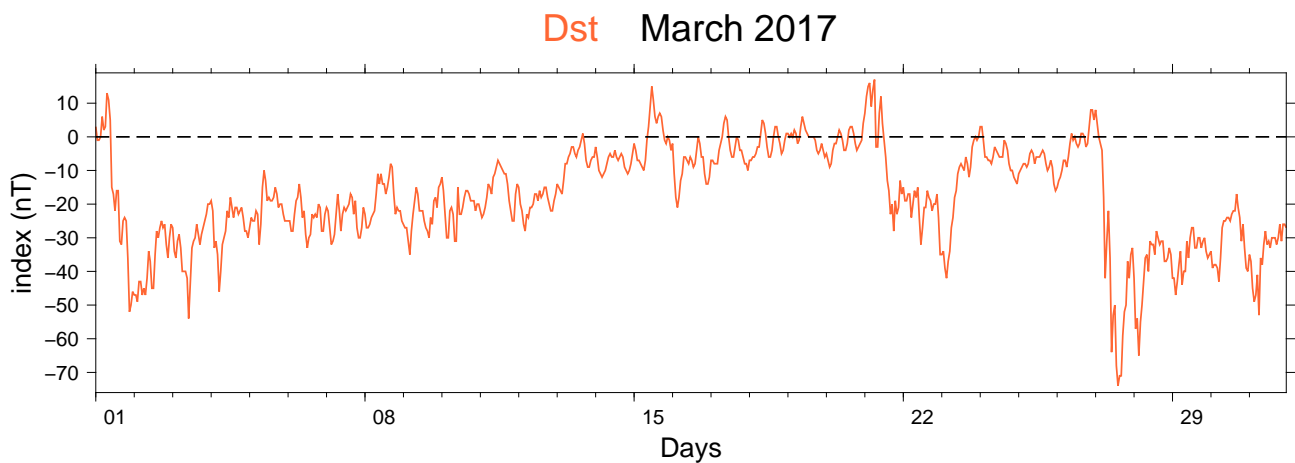
*Data Analysis Center for Geomagnetism and Space Magnetism*

*Graduate School of Science, Kyoto University*

*Kitashirakawa-Oiwake Cho, Sakyo-ku*

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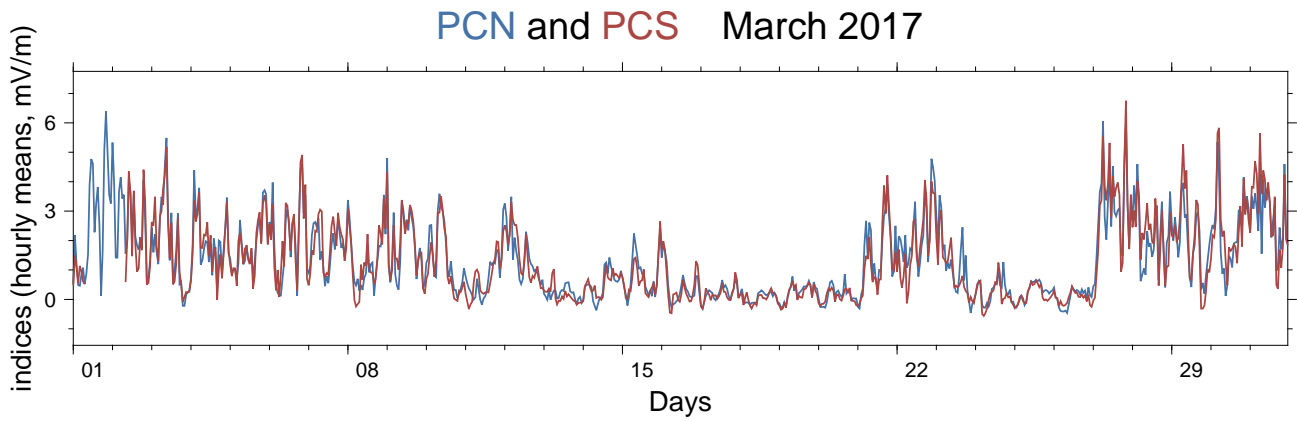


## 1.5 PC

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## 1.6 *AE*

### ISGI Collaborating Institute:

*World Data Center for Geomagnetism, Kyoto*

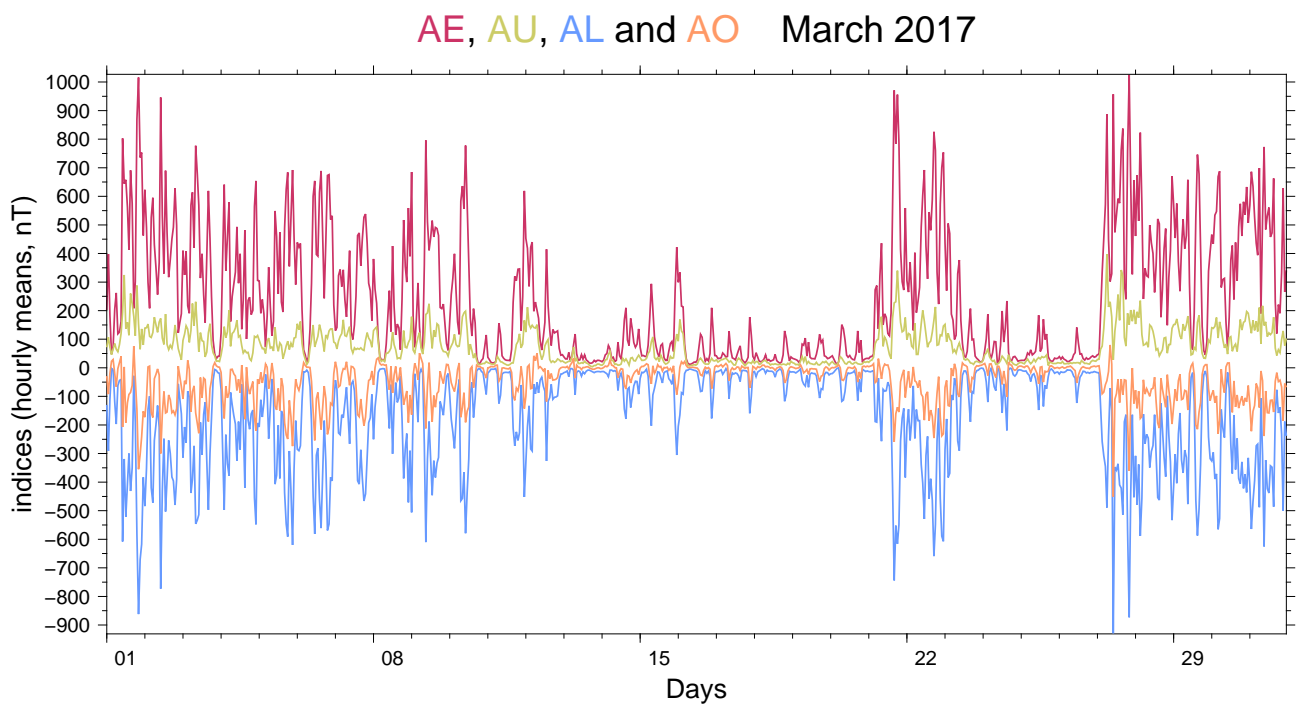
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## 2 IAGA Endorsed Geomagnetic Events (non-definitive values)

### 2.1 *SSC* and *SFE*

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SSC:

2017 03 27 03:45 B: NUR LER ESK HAD  
C: BDV\* NAG GCK SPT

SFE:

NONE

## 2.2 Classification of days

### ISGI Collaborating Institutes:

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Date	Aa	CK24	CK48	Ap	Q/D
2017-03-01	61	-	-	35	D2
2017-03-02	48	-	-	32	D3
2017-03-03	31	-	-	18	
2017-03-04	34	-	-	20	
2017-03-05	30	-	-	18	
2017-03-06	41	-	-	23	
2017-03-07	25	-	-	14	
2017-03-08	23	-	-	12	
2017-03-09	22	-	-	13	
2017-03-10	27	-	-	10	
2017-03-11	12	K	-	5	
2017-03-12	16	-	-	8	
2017-03-13	6	C	C	2	Q4
2017-03-14	9	C	C	4	Q8
2017-03-15	15	-	-	6	
2017-03-16	9	C	K	4	Q9
2017-03-17	7	C	C	2	Q5
2017-03-18	5	C	C	2	Q3
2017-03-19	5	C	C	2	Q2
2017-03-20	4	C	K	1	Q1
2017-03-21	43	-	-	24	
2017-03-22	44	-	-	24	
2017-03-23	18	-	-	9	
2017-03-24	10	C	C	5	Q10
2017-03-25	7	C	C	3	Q6
2017-03-26	7	C	-	3	Q7
2017-03-27	68	-	-	46	D1
2017-03-28	37	-	-	27	D4
2017-03-29	34	-	-	20	
2017-03-30	36	-	-	19	
2017-03-31	42	-	-	27	D5



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