
INTERNATIONAL SERVICE OF GEOMAGNETIC INDICES

MONTHLY BULLETIN JANUARY 2017

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1 IAGA Endorsed Geomagnetic Indices (non-definitive values)

1.1 *aa*

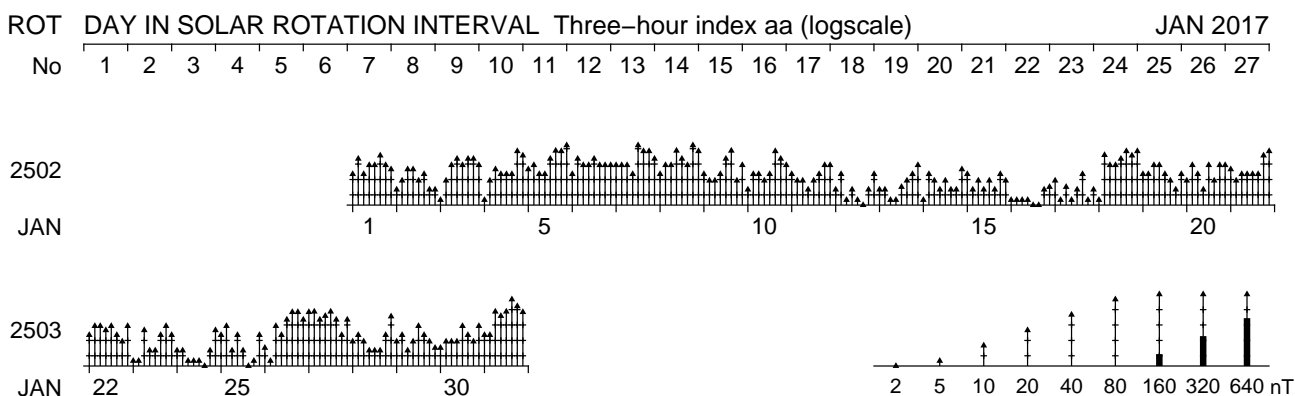
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Contact: A. Chambodut <isgi@unistra.fr>



1.2 *am*

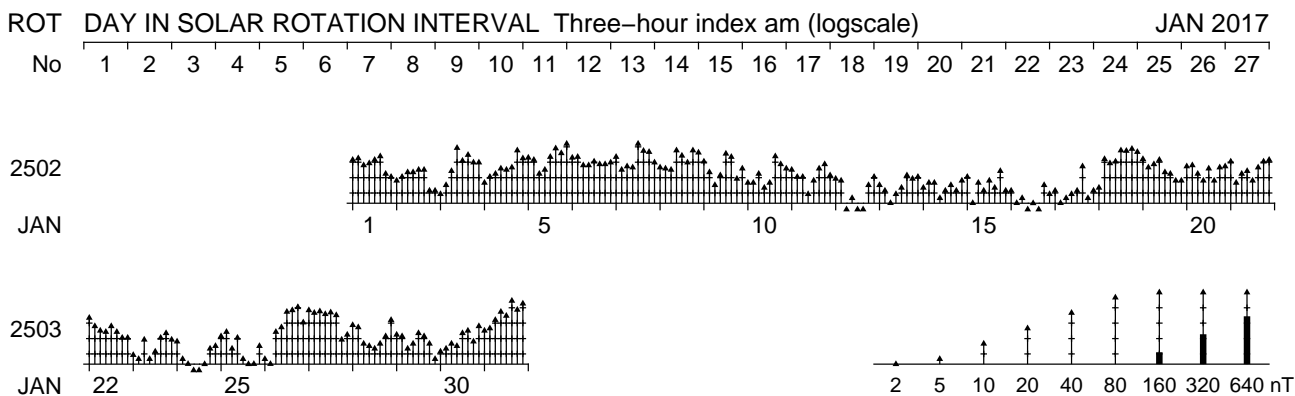
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1.3 K_p

ISGI Collaborating Institute:

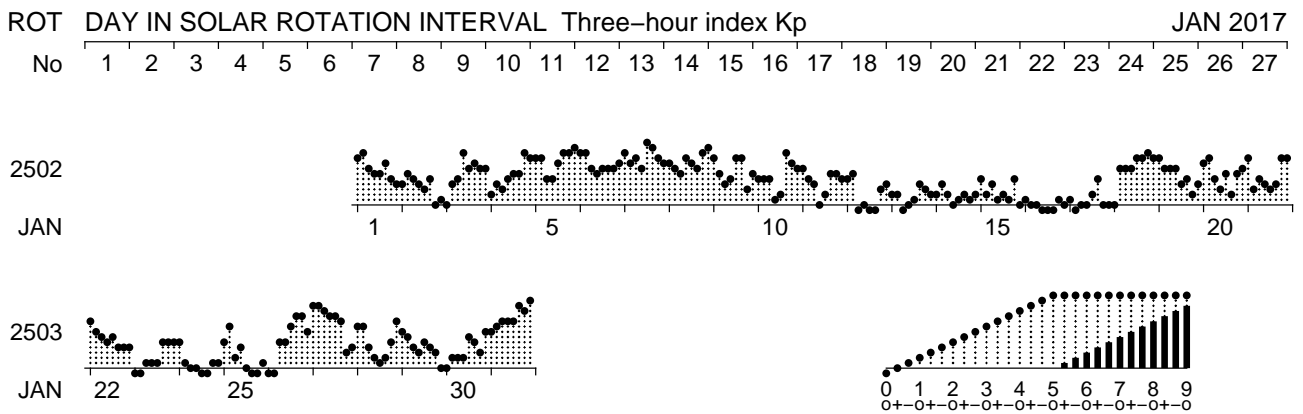
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1.4 *Dst*

ISGI Collaborating Institute:

World Data Center for Geomagnetism, Kyoto

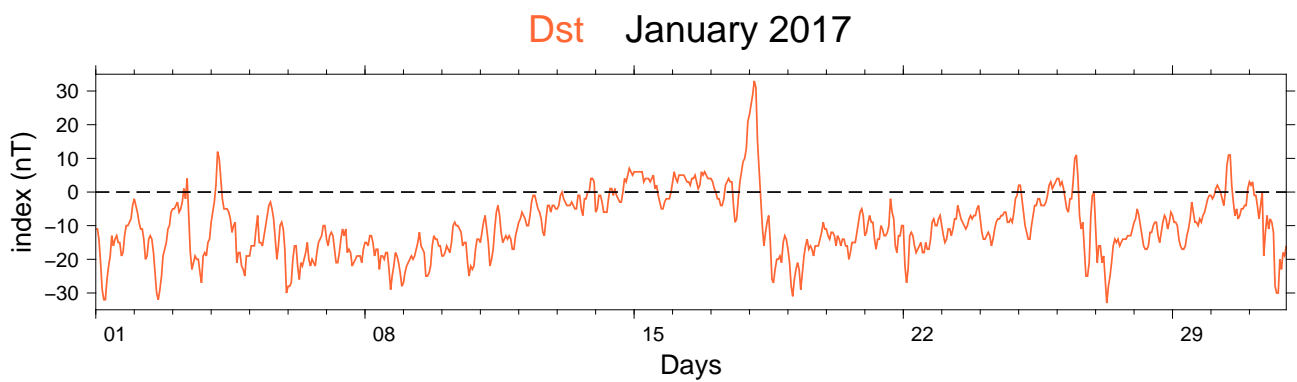
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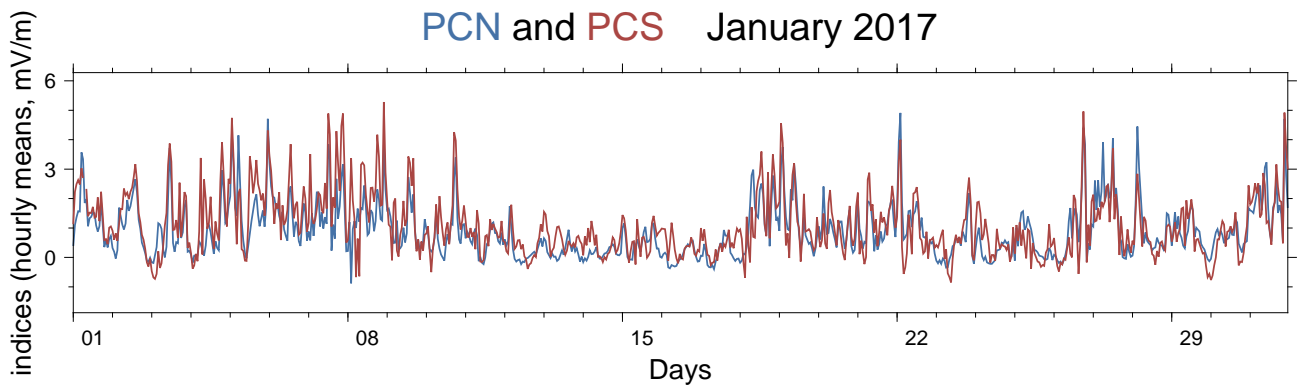


1.5 PC

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1.6 *AE*

ISGI Collaborating Institute:

World Data Center for Geomagnetism, Kyoto

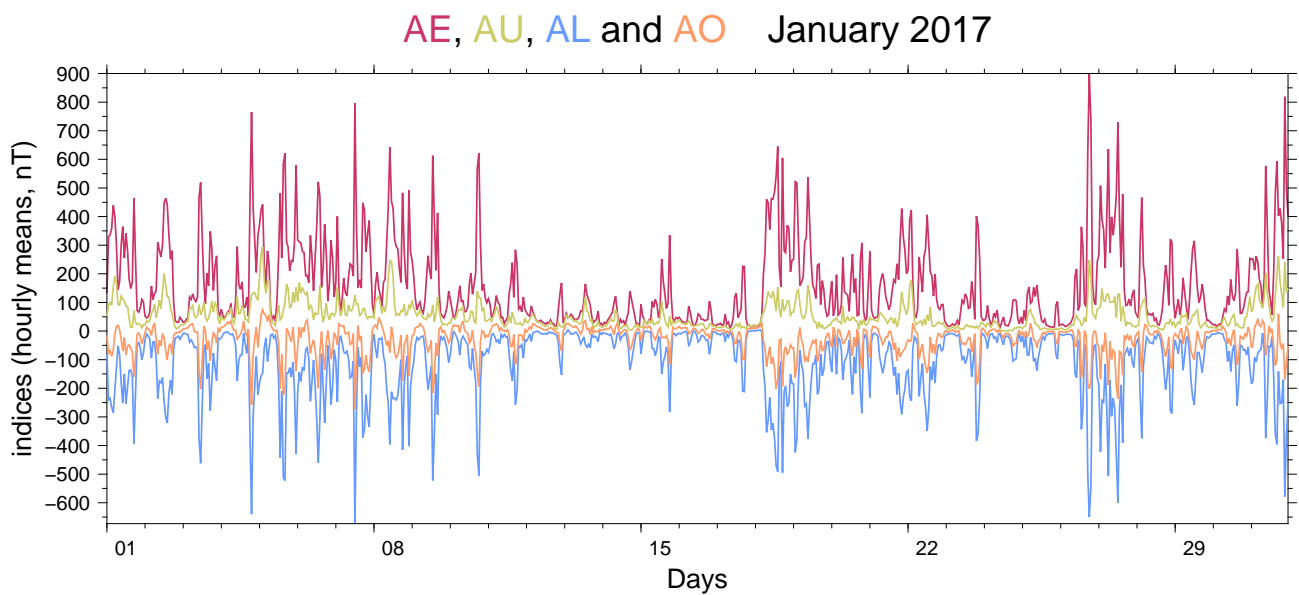
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2 IAGA Endorsed Geomagnetic Events (non-definitive values)

2.1 *SSC* and *SFE*

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SSC:

2017 01 26 08:15 A: GNG CNB
B: LER* ESK* WNG NGK HAD* GUI HYB
C: SOD* VAL* EBR SPT*

SFE:

NONE

2.2 Classification of days

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| Date | Aa | CK24 | CK48 | Ap | Q/D |
|------------|----|------|------|----|-----|
| 2017-01-01 | 24 | - | - | 12 | |
| 2017-01-02 | 13 | - | - | 6 | Q10 |
| 2017-01-03 | 23 | - | - | 11 | |
| 2017-01-04 | 21 | - | - | 10 | |
| 2017-01-05 | 32 | - | - | 17 | D4* |
| 2017-01-06 | 25 | - | - | 14 | |
| 2017-01-07 | 34 | - | - | 20 | D3 |
| 2017-01-08 | 34 | - | - | 16 | D5* |
| 2017-01-09 | 21 | - | - | 11 | |
| 2017-01-10 | 21 | - | - | 10 | |
| 2017-01-11 | 16 | - | - | 7 | |
| 2017-01-12 | 9 | C | C | 4 | Q7 |
| 2017-01-13 | 11 | C | C | 4 | Q5 |
| 2017-01-14 | 11 | C | C | 4 | Q4 |
| 2017-01-15 | 12 | C | C | 4 | Q8 |
| 2017-01-16 | 5 | C | C | 2 | Q1 |
| 2017-01-17 | 9 | C | K | 3 | Q3 |
| 2017-01-18 | 31 | - | - | 14 | |
| 2017-01-19 | 17 | - | - | 10 | |
| 2017-01-20 | 18 | - | - | 10 | |
| 2017-01-21 | 22 | - | - | 10 | |
| 2017-01-22 | 20 | - | - | 9 | |
| 2017-01-23 | 13 | - | - | 4 | Q6 |
| 2017-01-24 | 8 | C | C | 2 | Q2 |
| 2017-01-25 | 12 | C | C | 5 | Q9K |
| 2017-01-26 | 26 | - | - | 11 | |
| 2017-01-27 | 36 | - | - | 20 | D2 |
| 2017-01-28 | 15 | - | - | 9 | |
| 2017-01-29 | 14 | - | - | 6 | |
| 2017-01-30 | 15 | - | - | 6 | |
| 2017-01-31 | 43 | - | - | 22 | D1 |

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