

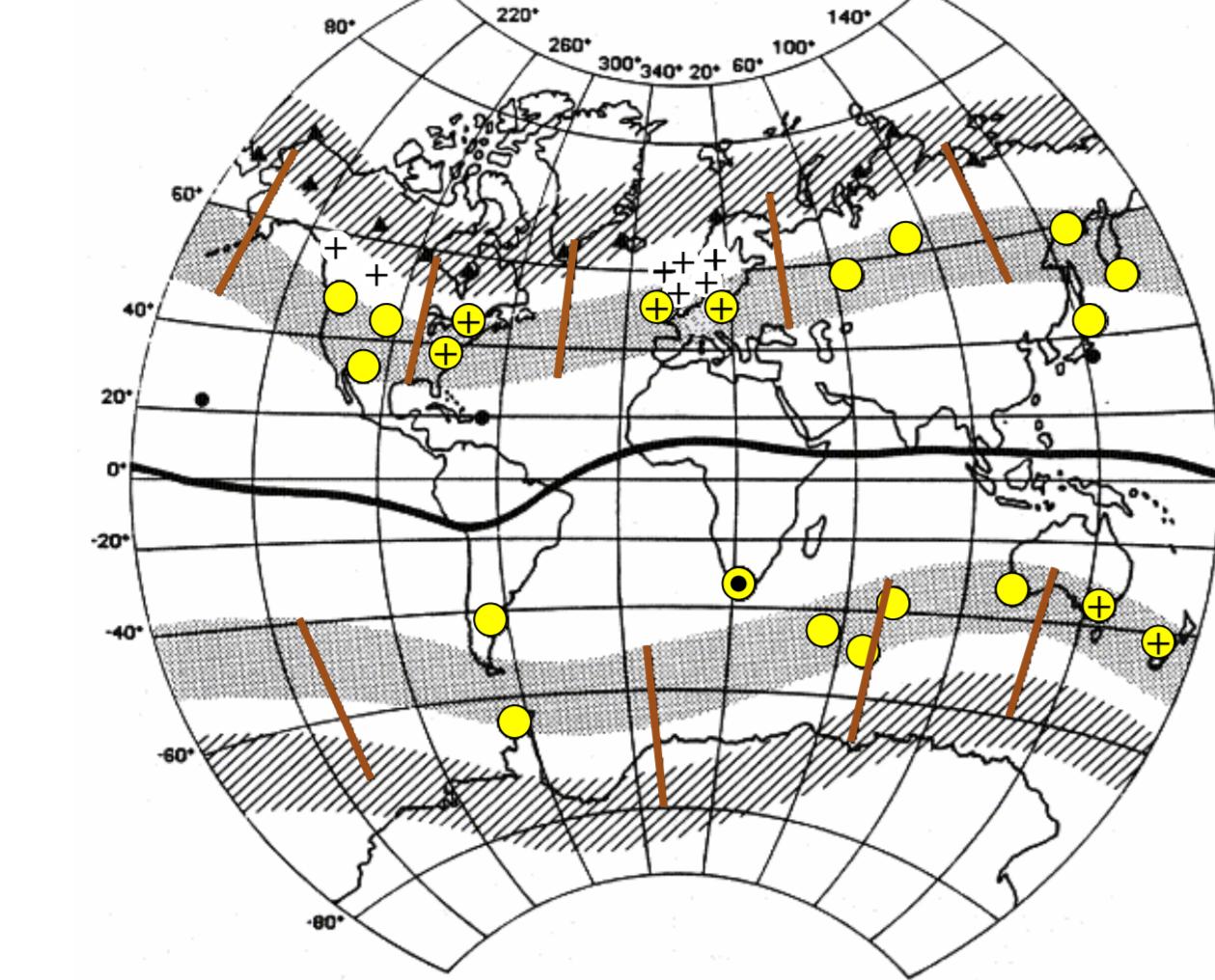
# THE INTERNATIONAL SERVICE OF GEOMAGNETIC INDICES (ISGI) WWW HOMEPAGE

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## Data from observatory networks...



- ▲ AE network
- am network
- Dst network
- + Kp network

... are routinely sent...

Northern hemisphere				
Eastern Asia	Central Asia	EUROpe	East, North America	Western North America
$\delta\Lambda_{EAS}$ MGD PET MMB	$\delta\Lambda_{CAS}$ POD SVD	$\delta\Lambda_{EUR}$ HAD NGK	$\delta\Lambda_{ENA}$ OTT FRD NEW TUC	$\delta\Lambda_{WNA}$ VIC
ursi ursi obs	ursi obs obs	obs obs obs	obs	obs

Southern hemisphere				
Eastern Australia	Indian Ocean	Western Indian Ocean	South America	
$\delta\Lambda_{EAU}$ EYR CNB	$\delta\Lambda_{EO}$ AMS GNA	$\delta\Lambda_{WO}$ CZT PAF HER	$\delta\Lambda_{SAM}$ AIA TRW PST	
obs obs obs ursi obs	obs obs obs ursi obs	obs obs obs ursi obs	obs obs obs ursi obs	

delay: <30 min. -> 2 days - 1 week - 2-4 weeks  
 X: minute values on time; ursi: K values provided by the observatory  
 Data from PST are only used for quick-look values.

am, aa and  $\alpha\lambda$  data availability

... for routine derivation of IAGA indices.

	Quick-look values		Provisional values		Definitive values
	Used data	Dissemination	Used data	Dissemination	Dissemination
<b>AE</b>	Digital minute values	On line (Kyoto) hour H+12	Digital minute values	Often responding to demands	Yearly basis delay: few years
<b>Dst</b>	Digital minute values	On line (Kyoto) hour H+12	Digital minute values	Monthly basis delay: 2 months	Yearly basis delay: few months
<b>Kp</b>	NA	On line (GFZ) day D+2	Provisional K values	Twice a month delay: 2-3 weeks	Monthly basis delay: few weeks
<b>Am</b> <b>Kpm</b>	Digital minute values	On line (ISGI) day D+2	Provisional K values	Monthly basis delay: 6-7 weeks	Yearly basis delay: K availability
<b><math>\alpha\lambda</math></b>	Digital minute values	On line (ISGI) hour D+2	Provisional K values	Weekly basis delay: 3-4 weeks	At the same time as am indices
<b>aa</b> <b>Kpa</b>	Digital minute values	On line (ISGI) hour H+30 min.	NA	NA	Weekly basis week W+1

... for routine derivation of IAGA indices.

Centre of the longitude sector  
 -1 for missing data  
 3-hour interval

NORTH HEMISPHERE R December 2002									
Date	longitude	00-03	03-06	06-09	09-12	12-15	15-18	18-21	21-24
05/12	-144	-1	2	2	2	2	2	2	2
	-4	3	2	2	4	2	2	2	1
	282	3	2	2	2	3	2	2	3
	289	3	2	2	3	3	2	2	3
	144	1	1	1	2	3	3	3	3
	-1	-1	-1	-1	-1	-1	-1	-1	-1
06/12	4	2	1	1	2	2	2	2	3
	282	1	3	2	3	2	2	2	3
	249	2	1	4	2	3	2	3	3
	144	1	3	-1	-1	-1	-1	-1	-1
	-1	-1	-1	-1	-1	-1	-1	-1	-1
07/12	4	3	3	2	3	3	3	3	3
	282	4	3	3	4	3	3	3	2
	289	4	3	4	3	3	3	4	4
	144	2	3	2	3	3	3	4	2
	-1	-1	-1	-1	-1	-1	-1	-1	-1
08/12	355	4	4	2	3	3	4	4	4
	282	1	3	2	3	3	3	3	1
	249	2	4	2	3	3	4	3	3

longitude sector indices  $\alpha\lambda$

quick-look, provisional and definitive aa (Kpa), am (Kpm) & Kp

data series tables & ASCII files

definitive list of ssc and sfe

e. g. aa indices

Date	Q.D.	aa_3h_ind	Aa	Kpa_3h_ind
01/12	45	32	16	46
02/12	8	16	3	16
03/12	16	24	24	28
04/12	8	12	24	12
05/12	16	24	24	28
06/12	8	16	16	16
07/12	45	24	46	45
08/12	16	59	16	8
09/12	C	2	1	1
10/12	C	12	12	8

Provisional and definitive AU, AE, AL & Dst

<http://isgi.cetp.ipsl.fr/>  
 The gate to geomagnetic indices

World Data Center-C2 for Geomagnetism Dst, AU, AL, A0, AE  
 Data Analysis Center for Geomagnetism and Space Magnetism  
 Faculty of Science, Kyoto University  
 KYOTO 606-01, Japan  
<http://swdcdbs.kugi.kyoto-u.ac.jp/>

GeoForschungZentrum, Potsdam, Kp  
 Adolf-Schmidt-Observatorium für Geomagnetismus  
 Lindenstr. 7  
 D-14823 NIEMEGK, GERMANY  
<http://www.gfz-potsdam.de/pub/home/obs/kp-ap>

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derivation process of IAGA geomagnetic indices

✓ One of the Services of the Federation of Astronomical and Geophysical data analysis Services;

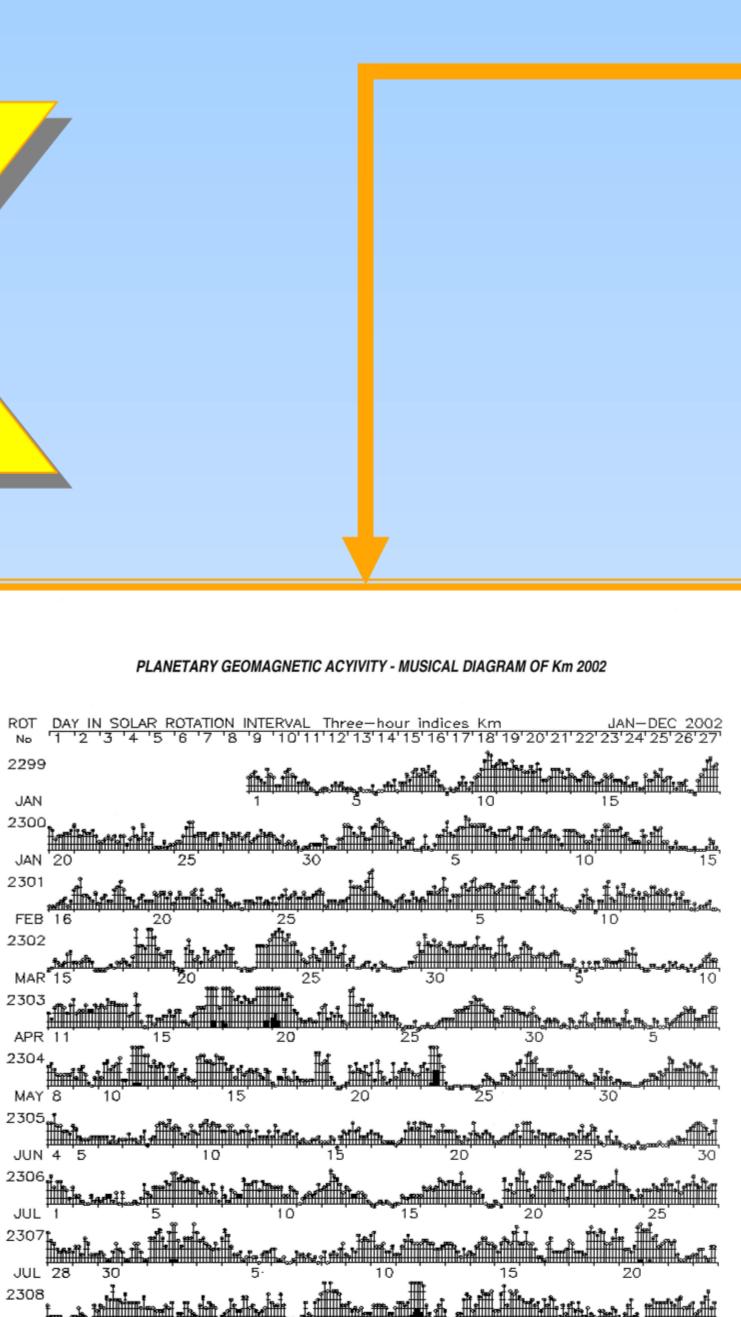
✓ Located until 1987 at the Koninklijk Nederlands Meteorologisch Instituut (De Bilt, The Netherlands). Moved to France in 1987, it was first hosted by the Institut de Physique du Globe de Paris (1987 – 1990). Hosted by the Centre d'étude des Environnements Terrestre et Planétaires (C.E.T.P.), Saint Maur, France) from 1990;

✓ In charge of the elaboration and dissemination of the IAGA geomagnetic indices, and of lists of remarkable magnetic events, based on the report of magnetic observatories distributed all over the planet, with the help of the ISGI collaborating institutes:

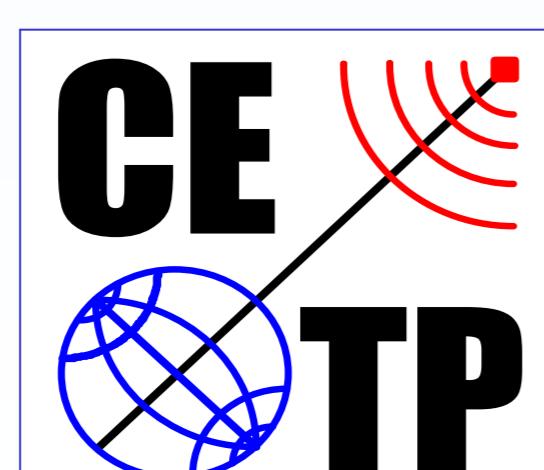
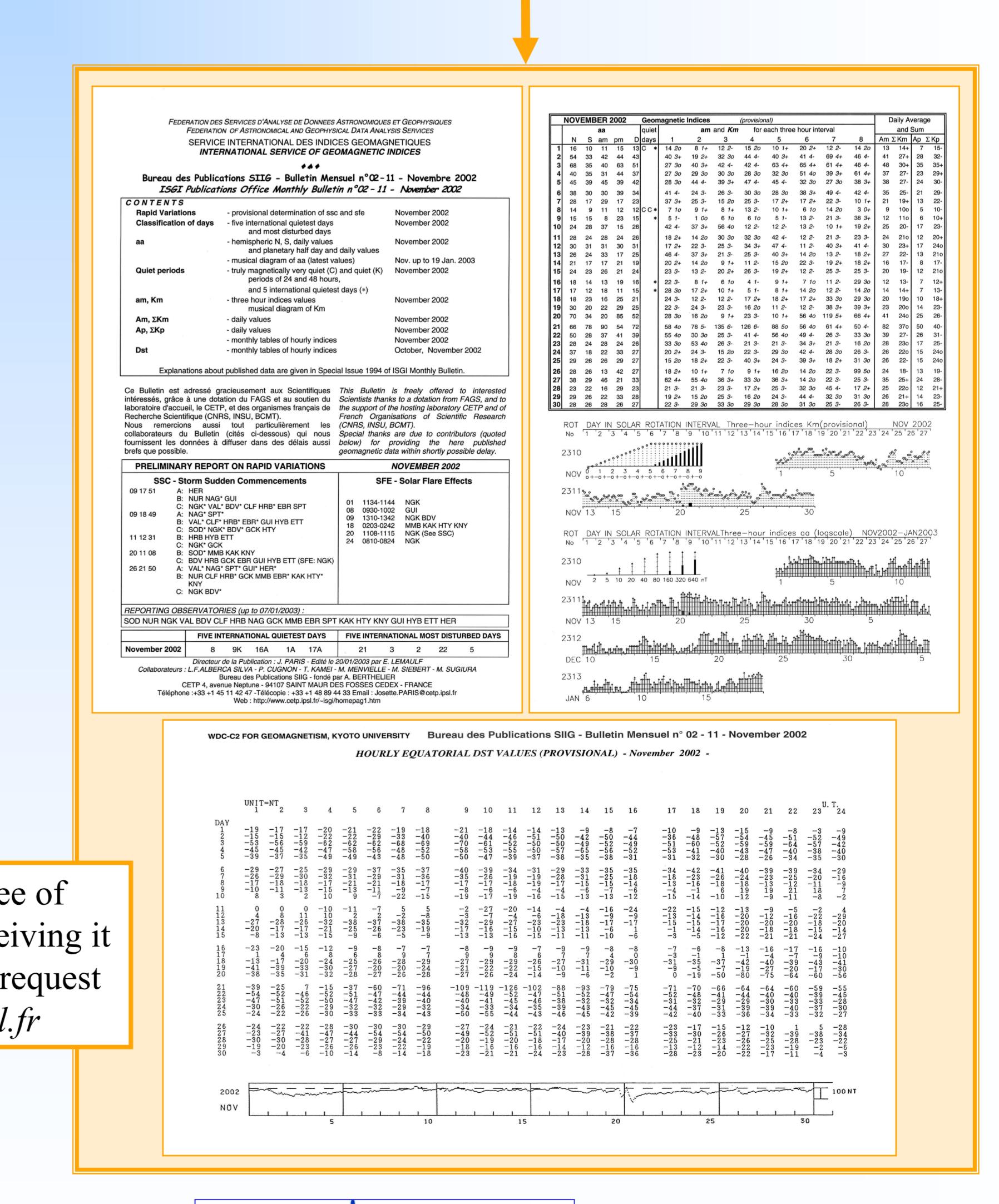
- Centre d'études des Environnements Terrestre et Planétaires (Saint Maur, France).
- Data analysis Center for Geomagnetism and Spacemagnetism (Kyoto, Japan).
- GeoForschungZentrum Potsdam (Potsdam, Germany).
- Observatorio del Ebro (Roquetes, Spain);

✓ In charge of the diffusion of all the IAGA Bulletins relative to geomagnetic indices, since the closing of the I.U.G.G. Publication Office in 1990. The I.S.G.I. Publication Office was then established, and located at C.E.T.P.

what is ISGI?



The Monthly Bulletin is sent free of charge. If you are interested in receiving it on a monthly basis, please send a request to michel.menvielle@cetp.ipsl.fr



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