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Our Magnetic Planet Moving in Space
Le voyage de notre Planète magnétique dans l'espace



Programme

11th Scientific Assembly

11^{ème} Assemblée Scientifique

August 23–30, 2009, Sopron (Hungary)

International Association of Geomagnetism and Aeronomy,
member of International Union of Geodesy and Geophysics



DAY SESSION	TIME	AUDITORIUM GREEN	AUDITORIUM BOURDON	THEATRE	PAINTER'S HALL	LFCC PETŐFI	EDUCATOR'S HALL	LFCC SZÉCHENYI	LFCC LISZT	PANNONIA	LYCEUM STUBSULA SZIG	LYCEUM GIMN. HALLS (POSTERS)	AULA (POSTERS)
MONDAY, AUGUST 24													
BLOCK 1	08:30-10:00	I.01	I.02	II.01	II.07	III.01	-	III.02	IV.01	V.02	-	OPEN	OPEN
BLOCK 2	10:30-12:00	I.01	I.02	II.01	II.07	III.01	III.05	III.02	IV.01	V.02	-	OPEN	OPEN
LUNCHTIME	12:00-13:30	WG I-1	WG I-3	WG II-A	WG II-D	-	WG II-G	-	-	WG IV-DAT WG IAH-MOD	-	OPEN	OPEN
BLOCK 3	13:30-15:00	I.01	I.13	II.01	-	III.01	-	III.02	IV.01	V.02	PRESS CONF SZIG (15:30)	OPEN	OPEN
BLOCK 4	15:30-17:00	I.01	I.13	II.01	-	III.01	-	III.02	IV.01	V.02	16:00-18:00 CD 1, LYCEUM	OPEN	OPEN
POSTER SESSION	17:00-19:00	-	-	-	-	-	-	-	-	-	-	OPEN II.01, II.02, IV.01	OPEN II.01, II.07, V.02
TUESDAY, AUGUST 25													
19:00: OPENING CEREMONY FOLLOWED BY A PARTY IN THE MAIN SQUARE													
BLOCK 1	08:30-10:00	I.03	I.11	II.03	-	III.07	III.05	IV.02	IV.01	V.05	-	OPEN	OPEN
BLOCK 2	10:30-12:00	I.03	I.11	II.03	-	III.07	III.05	IV.02	IV.01	V.05	-	OPEN	OPEN
LUNCHTIME	12:00-13:30	WG I-2	WG I-4	WG II-C	-	WG II-ULF	WG II-F	WG II-VERSIM	-	WG IV-ORS WG IV-MOD	ICH STUBSULA	OPEN	OPEN
BLOCK 3	13:30-15:00	-	I.06	II.03	-	III.07	III.05	IV.02	IV.01	V.03	-	OPEN	OPEN
BLOCK 4	15:30-17:00	-	I.06	II.03	-	III.07	III.05	IV.02	IV.01	V.03	-	OPEN	OPEN
POSTER SESSION	17:00-19:00	-	-	-	-	-	-	-	-	-	OUTREACH SZIG (17:30)	OPEN II.03, V.03, V.05	OPEN I.03, I.06, I.11
WEDNESDAY, AUGUST 26													
19:00: OPENING CEREMONY FOLLOWED BY A PARTY IN THE MAIN SQUARE													
BLOCK 1	08:30-10:00	-	-	-	-	ASSOC. LECT. 1 ON VIDEO	-	-	ASSOC. LECT. 1	-	-	OPEN	OPEN
BLOCK 2	10:30-12:00	I.15	I.06 (CONT.)	II.04	II.05	III.11	-	IV.05	IV.06	V.07	-	OPEN	OPEN
LUNCHTIME	12:00-13:30	-	-	-	-	-	IDWG EO	-	-	-	IDC STUBSULA	OPEN	OPEN
BLOCK 3	13:30-15:00	I.15	I.07	II.04	II.05	III.11	DC.01	IV.05	IV.06	V.07	-	OPEN	OPEN
BLOCK 4	15:30-17:00	I.15	I.07	II.04	II.05	III.11	DC.01	IV.05	IV.06	V.07	-	OPEN	OPEN
POSTER SESSION	17:00-19:00	-	-	-	-	-	-	-	-	-	-	OPEN II.04, II.05, V.07	OPEN I.07, I.15
THURSDAY, AUGUST 27													
BLOCK 1	08:30-10:00	I.03	I.11	II.03	-	III.07	III.05	IV.02	IV.01	V.05	-	OPEN	OPEN
BLOCK 2	10:30-12:00	I.03	I.11	II.03	-	III.07	III.05	IV.02	IV.01	V.05	-	OPEN	OPEN
LUNCHTIME	12:00-13:30	WG I-2	WG I-4	WG II-C	-	WG II-ULF	WG II-F	WG II-VERSIM	-	WG IV-ORS WG IV-MOD	ICH STUBSULA	OPEN	OPEN
BLOCK 3	13:30-15:00	-	I.06	II.03	-	III.07	III.05	IV.02	IV.01	V.03	-	OPEN	OPEN
BLOCK 4	15:30-17:00	-	I.06	II.03	-	III.07	III.05	IV.02	IV.01	V.03	-	OPEN	OPEN
POSTER SESSION	17:00-19:00	-	-	-	-	-	-	-	-	-	OUTREACH SZIG (17:30)	OPEN II.03, V.03, V.05	OPEN I.03, I.06, I.11
FRIDAY, AUGUST 28													
19:00: OPENING CEREMONY FOLLOWED BY A PARTY IN THE MAIN SQUARE													
BLOCK 1	08:30-10:00	-	-	-	-	ASSOC. LECT. 1 ON VIDEO	-	-	ASSOC. LECT. 1	-	-	OPEN	OPEN
BLOCK 2	10:30-12:00	I.15	I.06 (CONT.)	II.04	II.05	III.11	-	IV.05	IV.06	V.07	-	OPEN	OPEN
LUNCHTIME	12:00-13:30	-	-	-	-	-	IDWG EO	-	-	-	IDC STUBSULA	OPEN	OPEN
BLOCK 3	13:30-15:00	I.15	I.07	II.04	II.05	III.11	DC.01	IV.05	IV.06	V.07	-	OPEN	OPEN
BLOCK 4	15:30-17:00	I.15	I.07	II.04	II.05	III.11	DC.01	IV.05	IV.06	V.07	-	OPEN	OPEN
POSTER SESSION	17:00-19:00	-	-	-	-	-	-	-	-	-	-	OPEN II.04, II.05, V.07	OPEN I.07, I.15
SATURDAY, AUGUST 29													
BLOCK 1	08:30-10:00	I.03	I.11	II.03	-	III.07	III.05	IV.02	IV.01	V.05	-	OPEN	OPEN
BLOCK 2	10:30-12:00	I.03	I.11	II.03	-	III.07	III.05	IV.02	IV.01	V.05	-	OPEN	OPEN
LUNCHTIME	12:00-13:30	WG I-2	WG I-4	WG II-C	-	WG II-ULF	WG II-F	WG II-VERSIM	-	WG IV-ORS WG IV-MOD	ICH STUBSULA	OPEN	OPEN
BLOCK 3	13:30-15:00	-	I.06	II.03	-	III.07	III.05	IV.02	IV.01	V.03	-	OPEN	OPEN
BLOCK 4	15:30-17:00	-	I.06	II.03	-	III.07	III.05	IV.02	IV.01	V.03	-	OPEN	OPEN
POSTER SESSION	17:00-19:00	-	-	-	-	-	-	-	-	-	OUTREACH SZIG (17:30)	OPEN II.03, V.03, V.05	OPEN I.03, I.06, I.11
SUNDAY, AUGUST 30													
19:00: OPENING CEREMONY FOLLOWED BY A PARTY IN THE MAIN SQUARE													
BLOCK 1	08:30-10:00	-	-	-	-	ASSOC. LECT. 1 ON VIDEO	-	-	ASSOC. LECT. 1	-	-	OPEN	OPEN
BLOCK 2	10:30-12:00	I.15	I.06 (CONT.)	II.04	II.05	III.11	-	IV.05	IV.06	V.07	-	OPEN	OPEN
LUNCHTIME	12:00-13:30	-	-	-	-	-	IDWG EO	-	-	-	IDC STUBSULA	OPEN	OPEN
BLOCK 3	13:30-15:00	I.15	I.07	II.04	II.05	III.11	DC.01	IV.05	IV.06	V.07	-	OPEN	OPEN
BLOCK 4	15:30-17:00	I.15	I.07	II.04	II.05	III.11	DC.01	IV.05	IV.06	V.07	-	OPEN	OPEN
POSTER SESSION	17:00-19:00	-	-	-	-	-	-	-	-	-	-	OPEN II.04, II.05, V.07	OPEN I.07, I.15
SUNDAY, AUGUST 30													
BLOCK 1	08:30-10:00	I.03	I.11	II.03	-	III.07	III.05	IV.02	IV.01	V.05	-	OPEN	OPEN
BLOCK 2	10:30-12:00	I.03	I.11	II.03	-	III.07	III.05	IV.02	IV.01	V.05	-	OPEN	OPEN
LUNCHTIME	12:00-13:30	WG I-2	WG I-4	WG II-C	-	WG II-ULF	WG II-F	WG II-VERSIM	-	WG IV-ORS WG IV-MOD	ICH STUBSULA	OPEN	OPEN
BLOCK 3	13:30-15:00	-	I.06	II.03	-	III.07	III.05	IV.02	IV.01	V.03	-	OPEN	OPEN
BLOCK 4	15:30-17:00	-	I.06	II.03	-	III.07	III.05	IV.02	IV.01	V.03	-	OPEN	OPEN
POSTER SESSION	17:00-19:00	-	-	-	-	-	-	-	-	-	OUTREACH SZIG (17:30)	OPEN II.03, V.03, V.05	OPEN I.03, I.06, I.11

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 Member of International Union of Geodesy and Geophysics

Geodetic and Geophysical Research Institute
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Welcome to Sopron!

Welcome to Sopron! Bienvenu à Sopron! Isten hozta Sopronban!

The IAGA 11th Scientific Assembly (Sopron, 23–30 August 2009, www.iaga2009sopron.hu) attracted 1222 abstracts, submitted from 59 countries. In Sopron approximately 700 oral talks and 500 posters will be presented in the developing “Sopron Downtown Conference Centre”, with the Liszt Ferenc Congress and Cultural Centre as its focal point. The oral talks will run in nine session halls, and the posters (first time at such international meetings) will be on show for the whole week. Due to the fact that it will be the first one week long IAGA Assembly (and due to the large number of abstracts submitted for oral presentation), the length of oral talks had to be somewhat reduced (15 min from the former 20 min). Approximately 170 scientists received some partial support to attend the Assembly: about 120 people directly from IAGA and 50 from various Hungarian and international sources. The LOC, Hungary's IAGA scientists, the IUGG National Body, the hosting institute (Geodetic and Geophysical Research Institute of the Hungarian Academy of Sciences, www.ggki.hu), the Patrons: József PÁLINKÁS (President of the Hungarian Academy of Sciences), Imre SZABÓ (Minister of Environment and Water) and Tamás FODOR (Mayor of Sopron), as well as other enthusiastic people at various levels, will do their best in creating ideal conditions for this global forum.

The Local Organising Committee and the Hungarian National Committee of IUGG are pleased to welcome you to the IAGA 11th Scientific Assembly in Sopron, Hungary.

La 11^{ème} assemblée scientifique de AIGA regroupe 1222 résumés, soumis par 59 pays. Environ 700 conférences et 500 panneaux d'exposition seront présentés à Sopron en centre ville dans le quartier de conférence en cours de création avec pour lieu principal, le centre de congrès et culture Liszt Ferenc. Les conférences se dérouleront dans neuf salles et les panneaux seront exposés pendant tout le congrès (pour la première fois dans une telle assemblée internationale). Le temps de parole de chaque intervenant a été ramené de 20 à 15 minutes en raison du grand nombre d'intervenants et d'un laps de temps plus bref que les années précédentes (une semaine). Environ 170 scientifiques ont reçu une aide pour se rendre à l'assemblée: 120 directement par AIGA et 50 par différents organismes hongrois et internationaux. Le comité d'organisation local, les scientifiques hongrois de AIGA, le corps national de l'IUGG, l'institut organisateur (Institut de recherche géodésique et géophysique de l'académie hongroise des sciences), les partenaires: József Pálinskás (Président de l'académie hongroise des sciences), Imre Szabó (Ministre de l'Environnement et de l'Eau) et Tamás Fodor (Maire de Sopron), ainsi que d'autres volontaires feront de leur mieux pour que ce forum mondial se déroule dans les meilleures conditions.

Le comité local d'organisation et le comité national de l'IUGG sont heureux de vous accueillir à la 11^{ème} assemblée scientifique de AIGA à Sopron, en Hongrie.

László Szarka

IAGA 2009 LOC Chair

Président du comité d'organisation local

József Ádám

Chair of Hungarian National Committee of IUGG

Président du comité national hongrois de l'IUGG

General Information

IAGA 11th Scientific Assembly. The International Association of Geomagnetism and Aeronomy (IAGA) is one of the eight associations of the International Union of Geodesy and Geophysics (IUGG). IAGA is a non-governmental body founded to promote and coordinate studies of the electrical and magnetic properties of the Earth's core, mantle and crust, of the middle and upper atmosphere, of the ionosphere and magnetosphere, and the Sun, the solar wind, the planets and interplanetary bodies. IAGA is organised into five Divisions and two Interdivisional (ID) commissions: Division I: Internal Magnetic Field, Division II: Aeronomical Phenomena, Division III: Magnetospheric Phenomena, Division IV: Solar Wind and Interplanetary Field, Division V: Geomagnetic Observatories, Surveys and Analyses, IDCH: Commission on History, ICDC: Commission on Developing Countries. The IAGA 11th Scientific Assembly (www.iaga2009sopron.hu) is held in Sopron (Hungary), from 23 August to 30 August 2009, in the so-called “Sopron Downtown Convention District”, with the Liszt Ferenc Conference and Cultural Centre (LFCCC) in its focal point. The Assembly is open to scientists of all nations. LFCCC and all involved buildings are located in the SW part of the medieval downtown. The entire congress is accessible for wheelchairs.

Address. The majority of activities (including registration) are held in the Liszt Ferenc Conference and Cultural Centre (LFCCC), 9400 Sopron, Liszt Ferenc u. 1. (N 47° 41' 0.07" – E 16° 35' 20.72")

Official Languages. The official languages of IAGA are English and French. Simultaneous interpretation is not provided. Most presentations will be in English.

Rules of Conduct. (1) The IAGA 11th Scientific Assembly is open to registered participants, wearing the Assembly Badge. (2) Smoking is prohibited in LFCCC, and also in the other conference buildings. Outside, in the backyards or on the forecourts there are areas designated for smokers. (3) It is prohibited to copy any presentation from the conference notebooks. (4) To take photos of any scientific material is possible only with the permission of the author.

About the Scientific and Social Programme. The scientific programme includes Association Lectures, Oral and Poster Sessions in frames of 53 symposia, which cover the full spectrum of IAGA sciences. Working group meetings, Division Evenings (and several associated meetings), Opening Ceremony, Closing Session, as well as press conferences and outreach activities make the programme complete.

The social programme includes some complimentary programmes (Congress Concert, Opening Party, daily organ music, guided city walks, etc, which are free of charge) and programmes, which are subject of charge, as the Banquet, Accompanying Person's programme and other touristic and/or cultural programmes.

The up-to-date scientific programme of each event is posted in front of the respective lecture room and poster hall. The social programmes are indicated on the ground floor of LFCCC.

Registration fee. Details about the registration fees are published in the 2nd Circular. The on-site registration fees are as follows. Regular participant: 450 €; Young scientist / Student participant: 280 €; Accompanying person: 80 €. Registration fee for congress participants (regular and young scientist/student) include: participation in all sessions, admission to the exhibition, Abstract Volume on pendrive, conference bag with printed Programme Book, Admission to the Opening Ceremony and -Party (24 August), admission to the social programmes, including the Congress Concert by Muzsikás, and the Closing session. Registered accompanying persons are entitled to receive: Admission to the Opening Ceremony and -Party (24 August), admission to the social programmes,

including the Congress Concert by Muzsikás. Complimentary drinks during the conference coffee breaks (on 24–29 August) are also included, both for participants and registered accompanying persons. The so-called “Registration fee upgrade” 90 EUR includes: 5 lunches between 24–28 August and admission to the congress banquet on 27 August.

Registration Desk. It is on the ground floor of LFCCC. Open: Sunday (23 August) 12:00–22:00, Monday–Friday (24–29 August) 08:00–18:00, Saturday (29 August) 08:00–17:00. The arriving participants (either they have paid the registration fee or they will pay it on-site) should follow the corresponding signs.

General Info Desk. It is in front of LFCCC, and the service is provided by students. Information about IAGA locations; General information about Sopron; Accompanying Person’s Programme and Child Care information.

Tourinform. Sopron’s official Touristic bureau you find on the ground floor of LFCCC. Open: Monday–Friday 9:00–17:00, Saturday 10:00–16:00, Sunday 10:00–14:00. Tourinform in Deák tér (Deák square) is open from Monday–Friday 9:00–17:00.

Sightseeing and Excursion Info Desk. It is on the ground floor of LFCCC, and the service is provided by Escort Tourist. Registration to the Sopron Sightseeing Walking Tours (free of charge, starting at 17:00 daily between 23–29 August) up to the max. capacity of 40 persons/group; Excursion registration and -payment; Funtrain possibilities. Detailed information about the excursions is provided on our website. The Excursion buses leave from Painter’s Hall. Language of walking tours and excursion: English. The Escort Tourist bureau is 100m N from LFCCC (Templom u. 21.)

Sightseeing Meeting Point. LFCCC forecourt, in front of the well. Programmes start at 17:00

Excursion Departure and Arrival Point. The buses of the Assembly Excursions (organised by Escort Tourist) leave from Painter’s Hall at 8:30, 13:30 and 18:30 sharp. The schedule of the excursion departures is shown below. See the detailed programme in the 2nd Circular, and on www.iaga2009sopron.hu.

Excursions	23 SUN	24 MON	25 TUE	26 WED	27 THU	28 FRI	29 SAT	30 SUN
No 1 (Fertő, 58€)	x	x	8:30	8:30	x	x	x	x
No 2 (Hungarian Versailles, 52€)	x	8:30	x	x	8:30	x	x	8:30
No 3 (Széchenyi, Nagycenk, 55€)	x	x	13:30	13:30	x	x	x	x
No 4 (Liszt, Austria, 34€)	x	13:30	x	x	13:30	x	x	x
No 5 (Budapest, 50€)	x	x	x	x	x	x	8:30	x
No 6 (Vienna, 35€)	x	x	x	x	x	8:30	x	x
No 7 (Balaton, 60€)	x	x	x	x	x	x	x	8:30
Haydn concert in Eszterháza, 54€	18:30	x	x	x	x	18:30	x	x

Accompanying Person’s Meeting Point. Participants of this programme are kindly asked to be at the main entrance of LFCCC forecourt, in front of the well at 10:30 sharp, at the end of the morning coffee break (from Monday to Saturday). The Accompanying Person’s programme is available on our website, shown in the Programme Book, and also indicated on the ground floor of LFCCC.

Internet. There are various possibilities. If you have your own notebook with you, we recommend to use the IAGA 2009 wifi internet access (name of the wireless network: IAGA2009), which is available between 22–30 August (non-stop) in and around LFCCC, in the Auditoria, Aula, SZIG and also in a large part of Széchenyi Square. Connection procedure: 1. Connect to the IAGA2009 WLAN (wifi) network, 2. Open your web browser, and you will be directed to the IAGA2009 start page, requesting the user name and the password. Your user name should be left empty, and the password. Details are in

the printed version. (If you feel yourself to be lost, type http://i.hu and you will be redirected to the IAGA2009 start page.) In Faculty of Economy (Aula, Auditoria Green and Bourdon) and SZIG the password is not requested.

There might be further wifi internet networks in the building of Faculty of Economy (where Aula, Auditorium Bourdon and Auditorium Green are situated), which are free of charge. Information will be provided about them in Aula. For detailed information about some further wifi networks in LFCCC, which might be subject of charge, you should go to Tourinform.

If you do not have your notebook with you, you can use desktop computers both in SZIG (16 stations) and in Lyceum (10 stations) from Monday to Saturday, between 8:00–19:00.

Finally, in the downtown there are places, where you can use internet. One of them is the Internet Cafeteria (Balfi u. 1–3.)

Upload room. You are kindly asked to accomplish the upload of your oral presentation file as soon as it is possible, or at least 90 minutes before the start of your session. All presentations of Monday morning are expected to be uploaded on Sunday. On Sunday, 23 August the upload room is open between 12:00–22:00; from Monday to Friday 8:00–18:00, on Saturday between 8:00–15:00. In emergency cases you may upload your file directly in the session hall, before the start of your session.

Refreshments and Lunch. Coffee breaks are scheduled from Monday to Saturday 10:00–10:30 and 15:00–15:30. Complimentary refreshments (free of charge) are only served during these breaks at four places: LFCCC (first floor), Theatre (first floor), Aula and Pannonia. Refreshments, sandwiches, etc. are offered in the Cafeteria (LFCCC, first floor) on a self-payment basis (open from 7:30 to the end of sessions), in the building of Faculty of Economy (one level below Aula), Pannonia, SZIG and in many places in the downtown. Water Balloons are located in several IAGA locations (LFCCC ground floor, Theatre, Painter’s Hall, Educator’s Hall, Lyceum Ceremony Hall, Gymnastic Hall Level 0, Gymnastic Hall Level 1, Aula, Auditorium Green, Auditorium Bourdon). In the LFCCC forecourt and in the backyard of Lyceum you find drinking water wells. (The tap water in Sopron is drinking water.)

Lunch Breaks are scheduled from 12:00–13:30. Lunches, for those who paid Registration Upgrade, are served in the cellar (souterrain level, level -1) of LFCCC. Sandwiches, simple foods can be purchased in LFCCC, Faculty of Economy and SZIG cafeterias. (Some open-air food-booths are also planned.)

A list of nearby restaurants is given below. You are encouraged to test any of them. It is probable that during IAGA lunchtime it is worth walking to a certain distance from LFCCC to find free tables. For dinner, we recommend you any restaurant in and around Sopron! We are happy to give you further advices!

Restaurants (+brasseries, wine cellars)	+36		
Attila Étterem	Színház u. 9.	99 311729	
Bacchus Étterem	Szt. György u. 15.	99 340017	
BW Pannónia Med Hotel Étterem	Várkerület 75	99 312180 99 340766	sopron@pannoniahotel.com
Corso Étterem	Várkerület 73.	99 340990 99 340663	corsoetterem@chello.hu
Erhardt Étterem-Borpince	Balfi u. 10.	99 506711 Fax: 99 506712	erhardt@borvendeglo.hu
Fehér Rózsa Kisvendéglő	Pócsi u. 21.	99 335270	info@feherrozsa.hu
Fekete Bárány Étterem, Panzió	Fővényverem u. 6.	99 338330	

Fogas Étterem	Előkapu 2-4	99 505959	
Gambrinus ház	Fő tér 3.	99 505540 99 315648	
Generális-Corvinus Étterem	Fő tér 7-8.	99 505035 Fax: 505028	info@generalis.hu
Gráben Étterem	Várkerület 8.	99 340256	
Hotel Wollner Étterem	Templom u. 20.	99 524400 99 524401	wollner@fullnet.hu
Juventus Étterem	Füredi sétány 15.	99 311190	
Kis Deák Söröző, Étterem	Deák tér 46	20 4985700	
Kis Pócsi Borozó és Kiszvendéglő	Pócsi utca 20.	99 326867	
Papa Joe Saloon & Steakhouse	Várkerület 108.	99 340933 99 340089	papajoe@papajoe.hu
Perkovázt Ház	Széchenyi tér 12.	99 316839 99 316839	info@perkovatz.hu
Pince Csárda	Széchenyi tér 5.	99 349276 99 340008	
Rókalyuk Étterem	Várkerület 112.	99 342900	info@rokalyuk.hu
Rondella Étterem	Szt. György u. 14.	99 312346 99 315518	
Várkerület Étterem	Várkerület 83.	99 319286	info@puskasrestaurant.hu
Unikum Étterem	Alsólövé 3.	99 312 364	http://unicumetterem.uw.hu/index.php

Wine cellars

Cézár Borozó	Hátsókapu u. 2	99 311337	
Fekete Bárány Borozó	Fővényverem u. 6.	99 338330	barany@axelero.hu
Gyógygödör Borozó	Fő tér 4.	99 311280	
Napoleon Pince	Új u. 4.	99 320743	napoleon@sopron.hu
Tokaj Borozó Étterem	Várkerület 47.	99 340644	

Pizzerias, etc.

Alcatraz Gyorsétterem	Mátyás király u. 3.	99 328078	
Bella Italia	Móricz Zs. u. 1-3.	99 319610	
Fórum Pizzeria	Szt. György u. 3.	99 340231	
Nagymama Konyhája	Várkerület 104.	20 3158730	
University Cafeteria	Ady E. u. 5.		

Child Care. At the Benedek Elek Pedagogical Faculty of University of West Hungary (Sopron, Ferenczy János utca 5.) English and/or German speaking students and teachers (kindergarten teachers) of the Faculty („Child Care Faculty”) will take care of the children daily (from Monday to Saturday), between 8 a.m. and 5 p.m. Contact: Registration Desk (LOC). Child care is subject of charge.

Multi-Religion Meditation Hall. Room 1 in the third floor of LFCCC is at disposal for those who need it. Open from Monday to Saturday between 08:00-17:30. Schedule of church services in Sopron are collected on our website, and shown also among the Cultural Programmes, on the ground floor of LFCCC.

First Aid. LFCCC First Floor, Monday-Saturday (24-29August), 08:00-19:00. Lenax-Edumed (Racing Medical Ambulance) Ltd. Hungarian mobile: +36 20 5374774. E-mail: racingmedical@gmail.com. They are equipped with an ambulance car in front of LFCCC. General: Police tel.: 107. Fire service tel.: 105 National Ambulance tel.: 104.

Dental care. An urgent dental care has been offered free of charge to all IAGA participants between 23-30 August 2009 by Dr. med. dent. Péter CSIPKAY and Dr. med. Dent. Eszter CSIPKAY (Sopron, Mátyás király utca 17., phone and fax: +36 99 32 08 44). Website: http://www.fogasz.hu/index.php?site=1&lang=en. Email: info@fog-asz.hu. In Sopron you can find more than 300 dentists!

Wardrobe. LFCCC ground floor

Copying. Copying is subject of charge, and we recommend any of the local companies, for example:

- Szintézis Kft, (www.szintezis.hu) in LFCCC, groundfloor;
- REPROLAN Ltd, 9400 Sopron, Széchenyi tér 15. (just in the direct neighbourhood of Liszt Ferenc Conference Centre). Opening time: Monday-Friday: 8:30-17:00. E-mail: reproplan@reproplan.hu, website: www.reproplan.hu;
- MANAGER SHOP, 9400 Sopron, Újteleki u. 52. Opening time: Monday-Friday: 8-17, Saturday: 9-13, E-mail: manager@papiruszkft.hu, Website: www.papiruszkft.hu.

Message Board: LFCCC ground floor

Local Bus Transport. The participants and accompanying persons, who registered for the whole week and wear their conference badge, thanks to the local transport company (Kisalföld Volán), are eligible to use the local transport (i.e. buses) free of charge between 23-30 August, 2009, within the administration borders of Sopron (Brennbergbánya, Balf, Tómalom: included, Fertőrákos, Harka, Kópháza: not included). The local buses are numbered. Outside Sopron's administration borders you should purchase the corresponding bus ticket. Bus lines, connecting the downtown and the Lővér resort area (No-s 1, 2 and 15) are especially useful for the IAGA participants. Please show your badge to the bus driver. The timetable in English is available on our website.

Taxi. There are three taxi companies in Sopron:

AB Taxi: in Sopron 1000 HUF; in case of max. 20 km distance from Sopron 250 HUF/km-20%, over 20 km 100 HUF/km. Tel: +36 99 555555. (Local number: 555555)

Lővér Taxi: Inside Sopron 800-1000 HUF; Lővér area (Szieszta hotel, Fagus hotel, Lővér hotel, Korona, etc.) to/from downtown: max. 1400 HUF. Tel.: +36 99 333333 (Local number: 333333)

Sopron taxi: Tel: +36 99 323323, +36 80 626626.

In Sopron: 300 HUF/km. In countryside: 500 HUF/km-20%

Parking. On Saturday and Sunday the parking is free in Sopron. From Monday to Friday (between 08:00 and 18:00) the parking is subject of charge in the downtown. (In the outer parts of Sopron, including the Railway Station Parking Area, the parking is free 7/7.) In the innermost zones (Central Zone and Zone 1) the maximum parking time is 2 hours, in Zone 2: 3 hours, in Zone 3: 4 hours, while in Zone 4 (Papréti) it is unlimited. We recommend you to purchase a 10 days parking ticket, which will be available at a price of 3000 HUF in LFCCC. If you are staying at one of the major hotels, parking will also be available there. A brandnew subsurface parking area, next to LFCCC (west of the building) can be used free of charge.

Executive Committee is located in Perkovázt House (first floor, called Daruka terem). IAGA Travel Grant Awardees may contact Bengt Hultqvist (Secretary General of IAGA, Chair of Programme Committee) there.

Local Organising Committee (LOC) Contact: Registration Desk. You may ask any of 60 secondary- and high-school students, assisting at the Assembly. It is easy to recognise them from their blue IAGA 2009 T shirts.

Further Services. On August 28, Friday, in the registration area the Hungarian Post Co. Ltd will provide special stamps and stamping on the occasion of the IAGA 2009 Assembly. About services in Sopron, not closely connected to the IAGA Assembly, please ask students in blue IAGA 2009 T-shirts at General Info Desk, or wherever you see them.

Social Programmes

Opening Ceremony and -Party. Monday (24 August), 19:00–22:00: Municipal Main Square (Fő tér). At the Registration Desk the participants and the registered accompanying persons will receive an “Opening Ceremony and Party Ticket”. At first everybody should go to special wine glass booths in the Main Square, where, in return of the corresponding part of the ticket, they will obtain a wine glass, as a gift from the Mayor of Sopron. Then, in wine- and cake booths, participants can get altogether two glasses of Sopron wine “Kékfrankos” water and two local cakes. (Although the Opening Ceremony starts only 19:00, the booths open at 17:00 and close at 21:30). Any extra consumption should be paid by you. At the booths of Gyógygödör and Generális-Corvinus restaurants in the square (and also inside the buildings), drinks and simple foods (including some Hungarian specialities) can be purchased. This event is fully organised by the City of Sopron, with participation of the Sopron Wine Community, and will be a public event. IAGA participants are kindly asked to wear their badge.

Programme:

- 18:55 Overture with “tárogató” (a traditional Hungarian musical instrument from the beginning of XVIIIth century)
 - 19:05 Welcoming words (Mayor of Sopron, President of Hungarian Academy of Sciences President of IAGA, President of IUUGG)
 - 19:30 Presentation of IAGA Awards. Long Outstanding Service Medal: Ole Rasmussen (Denmark), Andreas Baumgaertner (Germany), Angel Carrancho Alonso (Spain), Mark Golkowski (USA); Young Scientist Presentation Award: Madeeha Ashfaq (Pakistan).
 - 19:45–20:15 Hungarian dances by Sopron and Pendelyes Folk Dance Ensembles (leader: Ferenc Sipos) and Orchestra of Attila Fajkus
 - 20:30 Live music (by Impression Quartet) until 22:00.
- Although the guests are allowed to stay in the Main Square until morning, the last bus departures from “Várkerület, Mária-szobor” bus stop to direction “Lövé” are at 21:55 (No 2), 22:20 (No 2) and 22:35 (No 1). In case of heavy rains the Opening Ceremony (welcoming words, presentation of awards) is held in the Lutheran Church (which is on half way between LFCCC and Main Square).

Banquet. Thursday, (27 August), LFCCC Széchenyi Hall (second floor). Starting time: 20:00

Programme: Operettas and musicals by Lilla GALAMBOS and her artist fellows (before and after the dinner): famous classical song hits from the Austro-Hungarian and modern times, including songs by Ferenc LEHÁR. This famous Hungarian (Austro-Hungarian) operetta composer (known abroad as Franz LEHÁR, born in Komárom, Hungary, 1870, died in Bad Ischl, Austria, 1948), who enriched the musical theatre repertoire with such works as The Merry Widow, The Count of Luxembourg, The Land of Smiles, spent his childhood in Sopron (Lehár Ferenc utca 5). Narration: in English. Songs: in Hungarian, German, English and French. Piano music: during the dinner. *Aperitif:* Champagne with Campari. *Served dinner:* Goose liver cake with fresh salads, blueberry jelly and crème of balsamic. Broccoli crème soup with crisp pearls. Stuffed sirloin richly, bacon-coated tenderloin with forest mushroom sauce in red wine, potato crisps, rice with sesame seeds. Peach stuffed with chestnut, with chocolate duet and whipped cream. Vegetarian alternatives *Drinks:* Sopron white wine: Irsai Olivér from Iváncsics vineyard; Sopron rosé: Merlot Rosé from Iváncsics vineyard; Sopron red wine: Kékfrankos (Blue Frank) „Again together” from Pfneiszl vineyard. Local beer. Orange juice. Mineral water (Theodora). Coffee

Entrance fee: 35 EUR. *Reservation:* online at www.iaga2009sopron.hu before 19 August, in email until 22 August. *Tickets:* available at the Registration Desk, on a “First come, first served” basis. Reserved tickets should be picked up at the Registration Desk until Wednesday noon (26 August, 12:00). Vegetarians are kindly asked to inform LOC when purchasing the Banquet ticket. “Registration upgrade” participants (who ordered 5 lunches between 24–28 August and admission to the congress banquet on 27 August at a price of 90 EUR), please do not purchase for themselves an extra ticket for 35 EUR.

Congress Concert by “Muzsikás”. Friday, 28 August, 20:00–21:30, in LFCCC Széchenyi Hall. Entrance: free for IAGA 2009 participants and accompanying persons. (Wearing the badge is obligatory.) The MUZSIKÁS (www.muzsikas.hu) is a Hungarian folk music ensemble, the winner – among others – of the WOMEX Award 2008 for World Music, and Prima Primissima Hungary 2008. The leader of the ensemble is Dániel Hamar, an IAGA geophysicist. This is a “must” concert, and it is sponsored by MOL, the Hungarian Oil Company.

Further IAGA-related cultural events

Sunday, 23 August

- 12:15–13:15 **Daily organ music in the Lutheran Church**
Pieces from Liszt, Haydn and Bach by Péter Kuzsner. Entrance: free
(Daily from Sunday, 23 August throughout the whole week to Sunday, 30 August by P. Kuzsner and M. Róth)
- 14:00–16:00 **Sopron from height. A hiking to the panoramic tower on the top of Károly hill**
Guide: Péter ANDRÁSSY, citizen of honour of Sopron. English guide. Participation: free. Departure: from Bus terminus Nos 1 and 2 of Hotel Lövé at 14:00, on foot.
- 17:00 **Kórus Spontánusz Concert**
LFCCC forecourt, Sunday (23 August). Entrance: free
Dirigent: Zoltán Kocsis-Holper
- 17:00 **Sopron sightseeing. Walking tour**
Organised daily by Escort Tourist. Language: English
Starting point: LFCCC Main Entrance at 17:00. Free of charge.
From Sunday (23 August) throughout the whole week. Last day: Saturday (29 August)
- 17:30–20:00 **Sopron wine tour, with wine tasting in the Erhardt wine cellar**
Sunday, 23 August,
Departure: Congress Centre at 17:30 (by walk). Price: 10 euro
- 19:00 **Calvin 500 Concert (Psalms)**
Reformed Church (Deák tér 2.), Sunday (23 August). Entrance: free
Dirigent: Zoltán Kocsis-Holper

Monday, 24 August

- 12:15–13:15 **Daily organ music in the Lutheran Church**
Pieces from Liszt, Haydn and Bach by Péter Kuzsner. Entrance: free
- 17:00 **Sopron sightseeing. Walking tour**
Organised daily by Escort Tourist. Language: English
Starting point: LFCCC Main Entrance at 17:00. Free of charge
(Reminder: Opening Ceremony and Party from 19:00 in Main Square)

Tuesday, 25 August

- 12:15–13:15 **Daily organ music in the Lutheran Church**
Pieces from Liszt, Haydn and Bach by Márton Róth. Entrance: free
- 17:00 **Sopron sightseeing. Walking tour**
Organised daily by Escort Tourist. Language: English
Starting point: LFCCC Main Entrance at 17:00. Free of charge

Chamber Music in the capital town of the Kékfrankos Wine

BW Pannonia Med Hotel, Tuesday (25 August), 20:00

Mátyás FIRTŁ (clarinet) & Wespaquartett (Wolfgang GÖLLNER, Kamilla KONTOR, Péter KÓCZÁN, Marcell VÁMOS). Entrance: 3200 HUF (including wine tasting)

Wednesday, 26 August

12:15–13:15 **Daily organ music in the Lutheran Church**

Pieces from Liszt, Haydn and Bach by Márton Róth. Entrance: free

17:00 **Sopron sightseeing. Walking tour**

Organised daily by Escort Tourist. Language: English

Starting point: LFCCC Main Entrance at 17:00. Free of charge

20:00 **Sopron Gospel Concert**

Lutheran Church, Wednesday (26 August). Entrance fee: 5 euro

Thursday, 27 August

12:15–13:15 **Daily organ music in the Lutheran Church**

Pieces from Liszt, Haydn and Bach by Márton Róth. Entrance: free

17:00 **Sopron sightseeing walking**

Organised daily by Escort Tourist. Language: English

Starting point: LFCCC Main Entrance at 17:00. Free of charge

(Reminder: Banquet from 20:00 in LFCCC Széchenyi)

Friday, 28 August

12:15–13:15 **Daily organ music in the Lutheran Church**

Pieces from Liszt, Haydn and Bach by Márton Róth. *Today: in memory of Ulrich Schmucker, Peter Weidelt and Mark Berdichevsky.* Entrance: free

17:00 **Sopron sightseeing. Walking tour**

Organised daily by Escort Tourist. Language: English

Starting point: LFCCC Main Entrance at 17:00. Free of charge

(Reminder: Muzsikás Concert from 20:00 in LFCCC Széchenyi)

15:30–17:30. **„Széchenyi István” Geophysical Observatory of Hungarian Academy of Sciences**

Free, max: 25 persons. Registration: at General Info Desk. Departure: in front of Painter’s Hall.

The visit offers a general introduction about the Observatory (13 km East of Sopron), which was founded during the International Geophysical Year. Since that time it has become an indispensable data supplier of earth science observations, related to electromagnetic phenomena in the Earth and near-Earth space. The topics of the observatory inter-related regions in the space extend from the Sun, interplanetary field, magnetosphere, ionosphere, atmosphere, electromagnetic field in a wide frequency range. The observatory data contribute to a better knowledge of distribution of electromagnetic properties under the ground surface (in near-surface regions, in the crust, in the mantle, and provide data on processes taking place in the Earth’s core. Those who are interested in a more specific observatory visit should contact Viktor Wsztergom (vw@ggki.hu) or Gabriella Satori (satori@ggki.hu).

Saturday, 29 August

10:30–12:30 **„Széchenyi István” Geophysical Observatory of Hungarian Academy of Sciences (13 km East of Sopron).** Free, max: 25 persons. Registration: at General Info Desk. Departure: in front of Painter’s Hall.

12:15–13:15 **Daily organ music in the Lutheran Church**

Pieces from Liszt, Haydn and Bach by Péter Kuzsner. Entrance: free

17:00 **Sopron sightseeing. Walking tour**

Organised daily by Escort Tourist. Language: English

Starting point: LFCCC Main Entrance at 17:00. Free of charge

(Reminder: Closing Ceremony from 19:00 in LFCCC Liszt)

Sunday, 30 August

12:15–13:15

Daily organ music in the Lutheran Church

Pieces from Liszt, Haydn and Bach by Péter Kuzsner. Entrance: free

Programme of a number of events taking place in and around in Sopron during the IAGA week is also shown both in our website, and also in LFCCC. Among the temporary exhibitions those about the 20th anniversary of the so-called Paneuropean Picnic (Sopronpuszta, 19 August, 1989) should be mentioned. During the historical Picnic about 900 citizens of East-Germany (GDR, DDR) managed to escape to Austria. This successful escape attracted so many people from East-Germany to Hungary in the following days, that it was no other choice for the Hungarian political power than to open the Western border officially. It was done, after some hesitation, on September 10. On the 20th anniversary of the Paneuropean Picnic we see, that the Sopronpuszta escape was a triggering event of the pulling down of the Berlin wall in autumn 1989.

Accompanying Person’s Programme

Those who have registered or will register to the Accompanying Person’s Programme, the meeting is every day at 10:30 at the entrance of the Congress Centre, in front of the drinking water well. On-site registration fee for 6 days is 80 euro. One-day participation fees: Monday, Tuesday, Friday, Saturday: 12–12 euro, Wednesday and Thursday: 18–18 euro (coffee breaks included). Guide: Anikó Lautner. Assistants: Katalin Gribovski and Ildikó Eperné Pápay.

Monday, 24 August

10:00–10:30 Conference Coffee Break

10:30–12:00 **Sopron by walk**

15:00–15:30 Conference Coffee Break

19:00–22:00 Opening ceremony and Welcome reception in Main Square (Fő tér)

Tuesday, 25 August

10:00–10:30 Conference Coffee Break

10:30–12:30 **Shopping day with beautifying and embroidery guides**

15:00–15:30 Conference Coffee Break

Wednesday, 26 August

10:00–10:30 Conference Coffee Break

10:30–12:30 **Common cooking (gulyás/goulash, lángos/“langosh”)**

15:00–15:30 Conference Coffee Break

Thursday, 27 August

10:00–10:30 Conference Coffee Break

10:30–12:30 **Wine walk**

15:00–15:30 Conference Coffee Break

Friday, 28 August

10:00–10:30 Conference Coffee Break

10:30–12:00 **Jewish memories in Sopron**

15:00–15:30 Conference Coffee Break

20:00– 21:30 Concert (MUZSIKÁS folk music ensemble)

Saturday, 29 August

10:00–10:30 Conference Coffee Break

10:30–12:00 **The Lyceum. A 450 years old secondary school**

15:00–15:30 Conference Coffee Break

19:00–20:00 Closing ceremony

Press Conferences. Monday (24 August), 15:30 in SZIG; Saturday (29 August), 10:30 in SZIG
Outreach (in Hungarian). Tuesday (25 August) 17:00 SZIG: Talk show with Tom Beer, President of IUGG (in Hungarian); Saturday (29 August) 17:00 SZIG: Talk show with Hungarian-origin IAGA scientists from all parts of the world (in Hungarian)
Closing Ceremony. Saturday (29 August), 19:00, LFCCC Liszt Hall. In addition to the official programme, András LUDMÁNY (Debrecen Heliophysical Observatory) will play his own piano transcription of the last scene of “Die Walküre” (The Valkyrie) by Richard Wagner, where, in the Magic Fire Music there are some aurora-inspired moments.

Exhibition

Location and opening time. The IAGA 2009 exhibition is held on the first floor of the Liszt Ferenc Conference and Cultural Centre (LFCCC), the focal point of the IAGA 11th Scientific Assembly. The opening time of the exhibition is adjusted to the rhythm of the Assembly as follows:
Monday 10:00–17:30
Tuesday 10:00–18:30
Wednesday 08:00–17:30
Thursday 08:00–17:30
Friday 10:00–17:30
Saturday 10:00–14:00
On Tuesday, between 17:30–18:30, LOC invites the visitors of the Exhibition for a glass of Sopron wine.

Exhibitors

AGICO www.agico.com AGICO (Advanced Geoscience Instruments Company) Brno, Czech Republic, is one of the most respected world producers of the instruments for rocks magnetism and paleomagnetism. AGICO innovates its instruments systematically through computerization and automation in order to increase measurement rapidity and comfort and, if possible, also sensitivity and accuracy. The company has manufactured several hundreds of instruments in the last forty years, which work in all the continents.

AKADÉMIAI KIADÓ <http://www.akkrt.hu/main.php?folderID=912> Akadémiai Kiadó is Hungary's oldest publishing house that has been operating uninterrupted since 1828. Founded by the Hungarian Academy of Sciences, its original mission was to publish the results of the Hungarian science. Since 1996, the publishing house operates as a share company, owned by the Hungarian Academy of Sciences and Wolters Kluwer. Akadémiai Kiadó publishes Hungarian and foreign language journals, essential scholarly reference books, mono- and bilingual dictionaries, encyclopedias, language course books and textbooks of economics. Akadémiai Kiadó is the market leader in the publishing of dictionaries and journals. In the latest number of Acta Geodetica and Geophysica (published by Akadémiai Kiadó), which will be available at the IAGA 2009 exhibition, you will find David Loper's IAGA 2005 Association Lecture (Earth's Habitable Loop: Water, Atmospheric Structure, the Geomagnetic Field and Plate Tectonics), and also a summary paper from the host institute (Geodetic and Geophysical Research Institute of the Hungarian Academy of Sciences).

BARTINGTON INSTRUMENTS www.bartington.com Bartington Instruments is a world leader in the design and manufacture of high precision fluxgate magnetometers and magnetic susceptibility instruments. Its products are used worldwide in Geomagnetic observatories, EM geophysical surveys, and environmental magnetism. The product line includes the Mag-03 range of Low Noise fluxgate sensors for EM land and sea surveys (TDEM, MT, etc.), a Declination/Inclination system for Geomagnetic observatories, and the MS2 Magnetic Susceptibility a standard for field and laboratory measurements.

INTERMAGNET www.intermagnet.org INTERMAGNET (*International Real-time Magnetic Observatory Network*) is the global network of observatories, monitoring the Earth's magnetic field. The INTERMAGNET programme exists to establish a global network of cooperating digital magnetic observatories, adopting modern standard specifications for measuring and recording equipment, in order to facilitate data exchanges and the production of geomagnetic products in close to real time.

INTERNATIONAL YEAR OF PLANET EARTH www.yearofplanetearth.org The (IYPE, 2007–2009) is an ambitious programme designed to foster outreach and research activities with the single purpose of raising worldwide public and political awareness of the vast (but often under-used) potential of Earth sciences for improving the quality of life and safeguarding the planet. This ambition was endorsed by the United Nations when it proclaimed the International Year of Planet Earth for 2008, the pivotal year of the 2007–2009 triennium. The Sopron Assembly was selected by International Year of Planet Earth, where IYPE will position a Planet Earth TV during the IAGA week. The big screen, where IYPE-related activities will be performed, is situated in Széchenyi Square.

IUGG GENERAL ASSEMBLY 2011 www.iugg2011.com The Organising Committee of the 2011 IUGG General Assembly, on behalf of the Australian and New Zealand scientific communities, invites researchers world-wide to Melbourne, Australia in July, 2011, to participate in an exciting, multi-disciplinary conference of cutting edge research. IUGG consists of eight scientific associations, including IAGA, but also including the disciplines of seismology, geodesy, atmospheric science, oceanographic science, cryospheric science, hydrology, and volcanology and geochemistry. Each association will organise its own comprehensive program of symposia, as well as co-organising inter-disciplinary symposia on topical themes. So come to the IAGA conference-within-a-conference to experience the latest research on geomagnetism, as well as science on other fascinating global issues. The theme for IUGG2011 will be: “Earth on the Edge: Science for a Sustainable Planet”

SPRINGER www.springer.com Springer (www.springer.com) the largest science, technology, and medicine (STM) book publisher, publishes in its Earth Sciences program more than 100 books a year and over than 90 journals. Springer also publishes the largest STM eBook Collection worldwide. It publishes on behalf of more than 300 academic associations and societies. Interested in a free journal sample? Need to update your library? Have a proposal to discuss with one of our knowledgeable publishers? We are happy to hear from you: stop by our booth, or visit us at www.springer.com.

Scientific Programme Introduction

Guidelines to Oral Talks. The oral presentations at the Sopron Assembly follow each other in 15-minute slots. Therefore the oral talks are recommended to be about 12 minutes long followed by a 2 minute long question-answer period. You are kindly asked to prepare your figures accordingly.

Each session room will be equipped with a laptop PC, a video projector, a microphone and a laser pointer. The laptop PCs will have Windows XP, Microsoft Office 2007, Adobe Reader, Windows Media Player, Quicktime Player, and Real Player installed. The format of presentations should be one of the followings: .pdf, .ppt, .pptx, .pps, .ppsx ([ppsx] = MS Office 2007 format, [pps] = MS Office XP/2003, [pdf] = Acrobat Reader). Supported type of media files are: [avi] = encoded to DivX5, Xvid or Windows Media Player compatible avi format, quicktime format, realplayer format.

You can bring your presentation to the IAGA Assembly in memory stick (pen-drive) or CD to the Upload Room (situated in the Conference Centre), where the uploading will be carried out by our technicians. The capacity of this room will be enough only for uploading the file, and for a quick rehearsal, and definitely not for preparation of your presentation!

Deadline of uploading the file in the Upload Room: at least 90 minutes before the start of your session.

	<i>Sessions</i>	<i>Uploading not later than</i>
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Time block 1:	08:30-10:00	Previous day
Time block 2:	10:30-12:00	Before 09:00
Time block 3:	13:30-15:00	Before 12:00
Time block 4:	15:30-17:00	Before 14:00

You are kindly asked to accomplish the uploading of your oral presentation file as soon as it is possible. All presentations of Monday morning are expected to be uploaded on Sunday. In emergency cases you may upload your file directly in the session hall, before the start of your session (during the break).

Opening time of the Upload Room:

Sunday, 23 August: 12:00-22:00
Monday-Friday, 24-28 August: 8:00-18:00
Saturday, 29 August: 8:00-15:00

Opening time of the session halls:

Monday-Saturday, 24-29 August: 8:00-17:15

Guidelines to Poster Presentations. Posters are on show for the whole week. Pins and tacks will be provided by LOC to fix the portrait-shaped A0 size posters on the poster boards. Be aware to be present around your poster during the scheduled poster session, between 17:00 and 19:00. The opening hours of the three poster halls (Aula, Lyceum Gymnastic Halls at level 0 and 1) are as follows:

14:00-19:00 on Sunday (23 August) for fixing posters, and
08:00-19:00 from Monday-Saturday (24-29 August) for all participants

Guidelines for Chairs. The Chairs are kindly asked to read carefully the corresponding Guidelines for Authors. Oral presentations are expected to be centrally uploaded at least 90 minutes before the start of your session. In each oral session hall there will be three students, who are at your disposal. You are kindly asked to arrive in the session hall about 15 minutes before the start of the session. Then the students will inform you, whether

each presentation will have already been uploaded. Please check the presence of speakers of the following 90 minutes. The still missing presentations are expected to be uploaded directly to the presentation computer just before the start of the session. Please keep the schedule, and inform the authors that after 12 minutes you give them a sign, and after 15 minutes you have to stop the speaker and invite the next one. There are 6-10 parallel sessions running, and for many participants who change sessions during the day, it is very important that the presentations really start as they scheduled: *hh:00, hh:15, hh:30, or hh:45*. In case of a possible no-show please use the time for discussions or for short oral presentations of posters. At the end of the last session of the day do not forget to announce the corresponding poster session. Chairs of poster sessions are encouraged to organise the session as they seem it in the most useful way. The authors are requested to be present at their posters from 17:00 to 19:00. It is useful to ask the authors to provide a brief summary of their posters. Chairs of both oral and poster sessions are kindly requested to provide the LOC a brief report about their session (attendance, changes in the programme, brief evaluation from scientific and technical points of view, etc.)

Locations

Oral Sessions:

Division I: Auditorium Green and Auditorium Bourdon
Division II: Theatre and Painting's Hall
Division III: Educator's Hall, LFCCC Petőfi Hall, LFCCC Széchenyi Hall
Division IV: LFCCC Liszt Hall and LFCCC Széchenyi Hall
Division V: Pannonia
DC: Educator's Hall and Painter's Hall; St Ursula (business meeting)
H: Lyceum; St Ursula (business meeting)

Poster Sessions:

Division I: Aula
Divisions II and IV: Lyceum Gymnastic Hall, level 1
Divisions II, III, IV, DC and H: Lyceum Gymnastic Hall, level 0

Others:

Association Lectures 1 and 2: LFCCC Liszt Hall, with video in LFCCC Petőfi Hall
Banquet: LFCCC Széchenyi Hall
Closing Session: LFCCC Liszt Hall
Concert, „Muzsikás”: LFCCC Széchenyi Hall
Executive Committee Headquarter: Perkovátz House, first floor (Daruka Hall)
Exhibition: LFCCC first floor
Internet Rooms: SZIG backyard and Lyceum backyard
Local Organising Committee: Registration Area
Opening Ceremony and -Party: Municipal Main Square
(in case of heavy rain the talks are held in the Lutheran Church)
Upload room: LFCCC, first floor
Working Group Meetings and Division Evenings: in the Oral Session Halls. Exceptions: DC and H business meetings in St Ursula

Addresses:

Auditorium Bourdon: Erzsébet utca 9. (Univ. of W. Hung., Faculty of Economy)
Auditorium Green: Erzsébet utca 9. (Univ. of W. Hung., Faculty of Economy)
Aula: Erzsébet utca 9. (Univ. of W. Hungary, Faculty of Economy)
Educator's Hall: Petőfi tér 3.
LFCCC Liszt Hall: Liszt Ferenc utca 1, first floor, left
LFCCC Petőfi Hall: Liszt Ferenc utca 1, first floor, right
LFCCC Széchenyi Hall: Liszt Ferenc utca 1, second floor
Lyceum: Széchenyi tér 11., level 3, Ceremony Hall
Lyceum Gymnastic Halls (levels 0 and 1): Széchenyi tér 11, backyard
Lutheran Church: Templom utca 10.
Pannonia: Várkerület 75. (BW Pannonia Med-Hotel, first floor)
Municipal Main Square: Fő tér
Painter's Hall: Petőfi tér 8., first floor
Perkovázt House: Széchenyi tér 12.
Registration Area: LFCCC, Liszt Ferenc utca 1., level 0 (ground floor)
St Ursula Hall (Ceremony Hall of the Catholic School): Széchenyi tér 21, level 1
SZIG Széchenyi Secondary School: Templom utca 25. (Széchenyi István "Gimnázium" = Secondary School)
Theatre: Petőfi tér 1. (Petőfi Theatre)

Oral and Poster Sessions. The structure of the working days:

Monday-Saturday (24-29 August, 2009) is constant.

Oral Block 1: 08:30-10:00
Break 1: 10:00-10:30
Oral Block 2: 10:30-12:00
Lunch Break: 12:00-13:30
Oral Block 3: 13:30-15:00
Break 2: 15:00-15:30
Oral Block 4: 15:30-17:00
Poster Block: 17:00-19:00

List of Symposia

Division I

I.01 Planetary Dynamos: theory, models, observation and experiment

Oral: MON24 08:30-10:00, 10:30-12:00, 13:30-15:00, 15:30-17:00 Auditorium Green

Poster: MON24 17:00-19:00 Aula

I.02 Consequences of ionospheric-magnetospheric processes on magnetotelluric response functions

Oral: MON24 08:30-10:00, 10:30-12:00 Auditorium Bourdon

Poster: MON24 17:00-19:00 Aula

I.03 Continental lithospheric formation and deformation

In honour of Toni Ádám's 80th anniversary

Oral: TUE25 08:30-10:00, 10:30-12:00 Auditorium Green

Poster: TUE25 17:00-19:00 Aula

I.04 Near surface and environmental studies using electromagnetic induction

Oral: THU27 10:30-12:00, 13:30-15:00, 15:30-17:00 Auditorium Bourdon

Poster: THU27 17:00-19:00 Aula

I.05 Deep mantle structure imaged by electromagnetic observations using long-period MT, cables and satellites. EM studies in oceans

In memory of Ulrich Schmucker (1930–2008)

Oral: FRI28 08:30-10:00, 10:30-12:00 Auditorium Green

Poster: FRI28 17:00-19:00 Aula

I.06 Crustal tectonic processes constrained by electromagnetic observations

In memory of Mark Berdichevsky (1923–2009)

Oral: TUE25 13:30-15:00, 15:30-17:00 Auditorium Bourdon

Poster: TUE25 17:00-19:00 Aula

Oral: WED26 10:30-12:00 Auditorium Bourdon

I.07 EM modelling and inversion

In memory of Peter Weidelt (1938–2009)

Oral: WED26 13:30-15:00, 15:30-17:00 Auditorium Bourdon

Poster: WED26 17:00-19:00 Aula

I.11 Developments in magnetic anisotropy

Oral: TUE25 08:30-10:00, 10:30-12:00 Auditorium Bourdon

Poster: TUE25 17:00-19:00 Aula

I.12 Palaeointensity and archaeointensity – results and their implications, methodological advances, and open issues

Oral: SAT29 08:30-10:00, 10:30-12:00 Auditorium Green

Poster: SAT29 13:30-15:00 Aula

I.13 Paleomagnetic, geomagnetic and rock-magnetic procedures: field tests, instrumentation, statistics

Oral: MON24 13:30-15:00, 15:30-17:00 Auditorium Bourdon

I.14 Geo- and paleo-magnetic data constraints on geodynamo models

Oral: FRI28 08:30-10:00, 10:30-12:00 Auditorium Bourdon

Poster: FRI28 17:00-19:00 Aula

I.15 Rock magnetism: theory, experiments and observations

Oral: WED26 10:30-12:00, 13:30-15:00, 15:30-17:00 Auditorium Green

Poster: WED26 17:00-19:00 Aula

I.16 Environmental magnetism and biomagnetism

Oral: THU27 10:30–12:00, 13:30–15:00, 15:30–17:00 Auditorium Green

Poster: THU27 17:00–19:00 Aula

I.17 Paleomagnetism and rock magnetism of anomaly source rocks

Oral: FRI28 13:30–15:00, 15:30–17:00 Auditorium Green

Poster: FRI28 17:00–19:00 Aula

I.18 Open poster session

Oral: THU27 15:30–17:00 Council room (opens from Aula)

Poster: THU27 17:00–19:00 Aula

Division II

II.01 Electrodynamical coupling from the troposphere to the magnetosphere related to thunderstorm electrical activity

Oral: MON24 08:30–10:00, 10:30–12:00, 13:30–15:00, 15:30–17:15 Theatre

Poster: MON24 17:15–19:00 Gimn. Halls, Level 1

II.02 New findings concerning the polar summer mesosphere/lower thermosphere/ionosphere region including the role of dusty plasmas

Oral: THU27 10:30–12:00, 13:30–15:00, 15:30–17:00 Painter's Hall

Poster: THU27 17:00–19:00 Gimn. Halls, Level 1

II.03 Long-term changes in the mesosphere, thermosphere and ionosphere

Oral: TUE25 08:30–10:00, 10:30–12:00, 13:30–15:00, 15:30–17:00 Theatre

Poster: TUE25 17:00–19:00 Gimn. Halls, Level 1

II.04 Solar and lower atmospheric forcing of the middle atmosphere-ionosphere system

Oral: WED26 10:30–12:00, 13:30–15:00, 15:30–17:00 Theatre

Poster: WED26 17:00–19:00 Gimn. Halls, Level 1

Oral: THU27 10:30–12:00, 13:30–15:00, 15:30–17:00 Theatre

II.05 Energetic particle precipitation into the atmosphere: sources and consequences

Oral: WED26 10:30–12:00, 13:30–15:00, 15:30–17:00 Painter's Hall

Poster: WED26 17:00–19:00 Gimn. Halls, Level 1

II.06 Equatorial atmosphere-ionosphere interactive processes: vertical and latitudinal coupling and magnetospheric forcing

Oral: FRI28 08:30–10:00, 10:30–12:00, 13:30–15:00, 15:30–17:00 Theatre

Poster: FRI28 17:00–19:00 Gimn. Halls, Level 1

Oral: SAT29 08:30–10:00, 10:30–12:00, 13:30–15:00, 15:30–17:00 Theatre

II.07 Forcing of the middle and high latitude thermosphere from above and below

Oral: MON24 09:30–10:00, 10:30–12:00 Painter's Hall

Poster: MON24 17:00–19:00 Gimn. Halls, Level 1

II.08 Remote sensing of the plasmasphere, and coupling to the ionosphere

Oral: FRI28 08:30–10:00, 10:30–12:00, 13:30–15:00, 15:30–17:00 Painter's Hall

Poster: FRI28 17:00–19:00 Gimn. Halls, Level 1

Division III

III.01 Magnetopause and magnetosheath processes: reconnection, diffusion and boundary dynamics

Oral: MON24 08:30–10:00, 10:30–12:00, 13:30–15:00, 15:30–17:00 LFCCC Petőfi

Poster: MON24 17:00–19:00 Gimn. Halls, Level 0

III.02 Advances in substorm research from multi-point observations in the magnetosphere

Oral: MON24 08:30–10:00, 10:30–12:00, 13:30–15:00, 15:30–17:00 LFCCC Széchenyi

Poster: MON24 17:00–19:00 Gimn. Halls, Level 0

III.03 Magnetosphere-ionosphere interactions and auroral processes

Oral: THU27 10:30–12:00, 13:30–15:00, 15:30–17:00 LFCCC Petőfi

Poster: THU27 17:00–19:00 Gimn. Halls, Level 0

Oral: FRI28 13:30–15:00, 15:30–17:00 Educator's Hall

III.04 New perspectives of the magnetosphere-ionosphere system from global models, synoptic observations, and data assimilation

Oral: FRI28 08:30–10:00, 10:30–12:00, 13:30–15:00, 15:30–17:00 LFCCC Petőfi

Poster: FRI28 17:00–19:00 Gimn. Halls, Level 0

III.05 The plasma sheet-ionosphere, a coupled system: Sinks, sources, transport and the role of Region 2 currents

Oral: MON24 10:30–12:00 Educator's Hall

Oral: TUE25 08:30–10:00, 10:30–12:00, 13:30–15:00, 15:30–17:00 Educator's Hall

Poster: TUE25 17:00–19:00 Gimn. Halls, Level 0

III.06 Techniques and instrumentation in space plasma physics

Oral: THU27 10:30–12:00, 13:30–15:00, 15:30–17:00 Educator's Hall

Poster: THU27 17:00–19:00

III.07 Wave and particle dynamics in the ring current and radiation belts/geomagnetic storms

Oral: TUE25 08:30–10:00, 10:30–12:00, 13:30–15:00, 15:30–17:00 LFCCC Petőfi

Poster: TUE25 17:00–19:00 Gimn. Halls Level 0

III.08 Other magnetospheric worlds

Oral: FRI28 08:30–10:00, 10:30–12:00 Educator's Hall

III.09 Conjugate and inter-hemispheric studies of polar geophysical phenomena: Results from the International Polar and Heliophysical Years (IPY/IHY)

Oral: SAT29 08:30–10:00 LFCCC Petőfi

Poster: SAT29 17:00–19:00 Gimn. Halls, Level 0

III.10 ULF Waves as magnetospheric probes

Oral: SAT29 08:30–10:00, 10:30–12:00, 13:30–15:00, 15:30–17:00 Educator's Hall

Poster: SAT29 17:00–19:00 Gimn. Halls, Level 0

III.11 Reporter reviews

Oral: WED26 10:30–12:00, 13:30–15:00, 15:30–17:00 LFCCC Petőfi

Divison IV

IV.01 New solar and interplanetary results

Oral: MON24 08:30-10:00, 10:30-12:00, 13:30-15:00, 15:30-17:00 LFCCC Liszt

Poster: MON24 17:00-19:00 Gimn. Halls, Level 0

Oral: TUE25 08:30-10:00, 10:30-12:00, 13:30-15:00, 15:30-17:00 LFCCC Liszt

IV.02 From micro- to macro-scales in the heliosphere and magnetospheres

Oral: TUE25 08:30-10:00, 10:30-12:00, 13:45-15:00, 15:30-17:00 LFCCC Széchenyi

IV.03 Universal heliophysical processes

Oral: FRI28 08:30-10:00, 10:30-12:00, 13:30-15:00, 15:30-17:00 LFCCC Liszt

Poster: FRI28 17:00-19:00 Gimn. Halls, Level 0

Oral: SAT29 08:30-10:00, 10:30-12:00, 13:45-15:00, 15:30-17:00 LFCCC Liszt

IV.04 Advances in coordinated Sun-Earth system science through CAWSES and ILWS

Oral: FRI28 08:45-10:00, 10:30-12:00, 13:30-15:00, 15:30-17:00 LFCCC Széchenyi

Poster: FRI28 17:00-19:00 Gimn. Halls, Level 0

IV.05 Neutral-plasma interactions for planets, moons, asteroids, and comets

Oral: WED26 10:30-12:00, 13:30-15:00, 15:30-17:00 LFCCC Széchenyi

IV.06 Solar and interplanetary radio emissions

Oral: WED26 10:30-12:00, 13:30-15:00, 15:30-17:00 LFCCC Liszt

IV.07 Reporter reviews

Oral: THU27 13:30-15:00, 15:30-17:00 LFCCC Liszt

Divison V

V.01 Connecting space and ground-based magnetic data for scientific benefit

Oral: FRI28 08:30-10:00, 10:30-12:00 Pannonia

Poster: FRI28 17:00-19:00 Gimn. Halls Level 1

V.02 Geomagnetic observatory practice, instrumentation and network

Oral: MON24 08:30-10:00, 10:30-12:00, 13:30-15:00 Pannonia

Poster: MON24 17:00-19:00 Gimn. Halls Level 1

V.03 Geomagnetic jerks and rapid core field variations

Oral: TUE25 13:30-15:00, 15:30-17:00 Pannonia

Poster: TUE25 17:00-19:00 Gimn. Halls Level 1

V.04 Application, history and evolution of geomagnetic indices

Oral: THU27 10:30-12:00, 13:30-15:00, 15:30-17:30 Pannonia

Poster: THU27 17:30-19:00 Gimn. Halls Level 1

V.05 Improved modelling of the lithospheric magnetic field

Oral: TUE25 08:30-10:00, 10:30-12:00 Pannonia

Poster: TUE25 17:00-19:00 Gimn. Halls, Level 1

V.06 Tectonic interpretation of satellite, air-borne, ground and marine geomagnetic data

Oral: 08:30-10:00, 10:30-12:00, 13:30-15:00 Pannonia

Poster: SAT29 15:30-17:00 Gimn. Halls Level 1

V.07 Results from the decade of geopotential research and future prospects

Oral: WED26 10:30-12:00, 13:30-15:00, 15:30-17:00 Pannonia

Poster: WED26 17:00-19:00 Gimn. Halls Level 1

V.08 Reporter reviews

Oral: FRI28 13:30-15:00, 15:30-17:00 Pannonia

ICDC

DC.01 Atmospheric coupling processes in the equatorial region

Oral: WED26 13:30-15:00, 15:30-17:00 Educator's Hall

Poster: WED26 17:00-19:00 Gimn. Halls Level 0

DC.02 Low latitude ionosphere-thermosphere system in quiet and magnetically disturbed periods

Oral: SAT29 08:30-10:00, 10:30-12:00, 13:30-15:00, 15:30-17:00 Painter's Hall

Poster: SAT29 17:00-19:00 Gimn. Halls Level 0

ICH

H.01 von Humboldt's legacy after 150 years

Oral: THU27 13:30-15:00, 15:30-17:00 Lyceum

Poster: THU27 17:00-19:00 Gimn. Halls Level 0

H.02 History of geomagnetic observations, observatories, and indices

Oral: FRI28 13:30-15:00, 15:30-17:00 Lyceum

Poster: FRI28 17:00-19:00 Gimn. Halls Level 0

Lecture Code Explanation. The codes are given in forms of SYMposium - DAY - Oral or Poster starting time

as OHHMM or PHHMM - Lecture identification number as XXXX. Examples:

– 401-TUE-01330-0823: Symposium IV.01 (401), TUESday, Oral at 13:30, paper ID number 0823

– 104-THU-P1700-1113: Symposium I.04 (104), THUrsday, Poster from 17:00 (author is expected to be at the poster with ID number 1113.)

– 118-THU-P1530-0707: Symposium I.18 (118), THUrsday, Poster no 0707, which will be also presented in the corresponding oral session starting at 15:30. These posters are shown twice in the Programme Book: at first in the oral session as short talk, then in the corresponding poster session.

Association Lectures. There are two association lectures as follows:

Wednesday, 08:30-10:00 ASSOCIATION LECTURE 1

LFCCC Liszt, with video broadcast to LFCCC Petőfi

Geomagnetism and the Exploration of Global Geology by Colin Reeves

Thursday, 08:30-10:00 ASSOCIATION LECTURE 2

LFCCC Liszt, with video broadcast to LFCCC Petőfi

The Mesosphere as a Link in Sun-Climate Relationships by Alan Rodger

IGA Working Group meetings

Monday 12:00-13:30

WG I-1: Auditorium Green

WG I-3: Auditorium Bourdon

WG II-A: Theatre

WG II-D: Painter's Hall

WG II-G: Educator's Hall

WG V-DAT: Pannonia

WDMAM-MOD: Pannonia

(restaurant)

Tuesday 12:00-13:30

WG I-2: Auditorium Green

WG I-4: Auditorium Bourdon

WG II-C: Theatre

WG III-ULF: LFCCC Petőfi

WG II-F: Educator's Hall

WG II-VERSIM: LFCCC Széchenyi

WG V-OBS: Pannonia (Europa Hall, level 1)

WG V-MOD: Pannonia (Lobby, level 1)

ICH: St Ursula

IAGA Division Evenings

Tuesday 19:00-
Division IV Evening: LFCCC Liszt

Wednesday 19:00-
Division I Evening: Auditorium Green
Division II Evening: Theatre
Division III Evening: Educator's Hall
Division V Evening: Pannonia

Conferences of Delegates (CD-s).

Monday 16:00-18:00
CD 1: Lyceum

Friday 10:00-12:00
CD2: Lyceum

Executive Committee (EC) Meetings.

Sunday (23 August) 12-14, Tuesday (25 August) 19-21, Thursday (27 August) 14-16,
Saturday (29 August) 10-12: all in Perkovátz House

Additional (business) meetings.

Friday, 28 August, 17:30-20:30: CAWSES-II in Educator's Hall
Friday, 28 August, 19:30-: EMSEV in Painter's Hall
Sunday, 30 August, 08:30-17:00: SCOSTEP General Council Meeting in Perkovátz House,
first floor (Daruka Hall)
Monday-Wednesday, August 31-September 2: INTERMAGNET Conference at GGRI
(Sopron, Csatkai u. 6-8.)

Any IAGA-related scientific association, group, etc. can book conference rooms from
LOC. (E.g., Satellite magnetometry: Thursday, 12:00-13:30, room 4, third floor LFCCC).
In Sopron there are a lot of cosy rooms to hold minor conferences. LOC is happy to give
you advice, which of them fits the best to your needs.

Monday, 24 August

Block 1. 08:30-10:00

I.01 Planetary Dynamos: theory, models, observation and experiment
Auditorium Green
Chaired by: **David Ivers**

08:30	SIMPLE TAYLOR STATES COMPATIBLE WITH PRESENT OBSERVATIONS <i>ANDREW JACKSON, Philip Livermore, Kuan Li, Glenn Ierley</i>	101-MON-00830-1321
09:00	SCALING THE DIFFERENTIAL ROTATION OF THE EARTHS INNER CORE <i>JULIEN AUBERT</i>	101-MON-00900-0826
09:30	INFERENCE OF STRONG MAGNETIC FIELDS INSIDE THE EARTH'S CORE FROM THE DETECTION OF TORSIONAL WAVES WITH A 6-YEAR PERIOD <i>NICOLAS GILLET, Dominique Jault, Elisabeth Canet, Alexandre Fournier</i>	101-MON-00930-1235
09:45	ON THE RANGE OF GEOMAGNETIC PREDICTABILITY <i>FLORIAN LHULLIER, Gauthier Hulot, Julien Aubert</i>	101-MON-00945-0855

I.02 Consequences of magnetospheric-ionospheric processes
on magnetotelluric response functions
Auditorium Bourdon
Chaired by: **Michel Menvielle, Jan Lastovicka**

08:30	INTRODUCTION TO THE SESSION: CONSEQUENCES OF IONOSPHERIC- I MAGNETOSPHERIC PROCESSES ON MAGNETOTELLURIC RESPONSE FUNCTIONS <i>MICHEL MENVIELLE, László Szarka, Jan Lastovicka</i>	102-MON-00830-1365
09:00	TOWARD AN IMPROVED SOURCE MODEL FOR ELECTROMAGNETIC I INDUCTION STUDIES <i>GEORGIOS BALASIS, Gary D. Egbert, Ioannis A. Daglis</i>	102-MON-00900-1330
09:30	LONG PERIOD MODULATION OF THE IMPEDANCE TENSOR AT NAGYCEK GEOPHYSICAL OBSERVATORY AND ITS STATISTICAL RELATION TO MAG- NETOSPHERIC PROCESSES AND SOLAR WIND PARAMETERS <i>ISTVÁN LEMPERGER, Michel Menvielle, Viktor Wessztergom, László Szarka</i>	102-MON-00930-0143

II.01 Electrodynamical coupling from the troposphere
to the magnetosphere related to thunderstorm electrical activity
Theatre
Chaired by: **Colin Price, Elisabeth Blanc**

08:30	LIGHTNING EFFECTS IN THE LOWER IONOSPHERE AND RADIATION BELTS I <i>UMRAN INAN</i>	201-MON-00830-1316
09:00	VLF OBSERVATIONS OF IONOSPHERIC DISTURBANCES IN ASSOCIATION WITH TLES FROM THE EUROSRITE-2007 CAMPAIGN <i>Samir Naitamor, M. A. AlAbdoadain, M. B. Cohen</i>	201-MON-00900-0006
09:15	ASSESSING GLOBAL LIGHTNING ACTIVITY WITH ELF/VLF OBSERVA- TIONS, SCHUMANN RESONANCES AND IONOSPHERIC POTENTIAL <i>MAREK GOŁKOWSKI, Marek Kubicki, Morris Cohen, Andrzej Kułak, Umrán Inan</i>	201-MON-00915-0456
09:30	HALOS: A SOLUTION TO THE SPRITE POLARITY PARADOX <i>EARLE WILLIAMS, József Bór, Cheng-Ling Kuo, Gabriella Sántori, Robert Boldi, A. B. Chen, Eric Downes, R.R. Hsu, Walter A. Lyons, M. M. F. Saba and H.T. Su</i>	201-MON-00930-0789

09:45	TRIANGULATION OF SPRITES OBSERVED IN CENTRAL EUROPE IN 2007 <i>JÓZSEF BÓR, Juraj Toth, Gabriella SÁTORI, Hans-Dieter Betz, Bálint Varga and Ferenc Dombai</i>	201-MON-00945-0270
	II.07 Forcing of the middle and high latitude thermosphere from above and below Painter's Hall Chaired by: Hermann Lühr	
09:30	MODELING THE COUPLED THERMOSPHERE-IONOSPHERE SYSTEM I RESPONSE TO EXTERNAL FORCING <i>Naomi Maruyama, T. Fuller-Rowell, M. Codrescu, M. Fedrizzi, G. Millward</i>	207-MON-00930-0359
	III.01 Magnetopause and magnetosheath processes: reconnection, diffusion and boundary dynamics LFCCC Petőfi Chaired by: Charles J. Farrugia, Claire Foullon	
08:30	MAGNETIC TOPOLOGY OF THE MAGNETOPAUSE AND LOW-LATITUDE I BOUNDARY LAYER DEDUCED FROM THEMIS HIGH-RESOLUTION ELECTRON AND ION MEASUREMENTS <i>MARIT OIEROSET, Tai Phan, Masaki Fujimoto, Vassilis Angelopoulos, Jim McFadden, Davin Larson, Karl-Heinz Glassmeier</i>	301-MON-00830-0884
09:00	IMF ORIENTATION AND REFORMATION OF MAGNETOPAUSE LAYERS <i>OKSANA TKACHENKO, Jana Safránková, Zdeněk Němeček</i>	301-MON-00900-1050
09:15	TOWARDS LOCATING STABLE RECONNECTION AT THE DAYSIDE MAGNETOPAUSE DURING SOUTHWARD IMF <i>STEVEN PETRINEC, Karlheinz Trattner, and Stephen Fuselier</i>	301-MON-00915-0924
09:30	INTERACTION OF INTERPLANATARY SHOCKS WITH THE MAGNETOSPHERE IN OBSERVATIONS AND MHD MODELS <i>Zdenek Nemecek, Jana Safrankova, Andrei Samsonov</i>	301-MON-00930-0585
09:45	MAGNETOPAUSE PRESSURE BALANCE IN SUBSOLAR POINT DURING NORTHWARD IMF ORIENTATION AND HIGH LEVEL OF TURBULENCE IN MAGNETOSHEATH IN ACCORDANCE WITH THEMIS DATA <i>SVETLANA ROSSOLENKO, Elizabeth Antonova, Igor Kirpichev</i>	301-MON-00945-0031
	III.02 Advances in substorm research from multi-point observations in the magnetosphere LFCCC Széchenyi Chaired by: Rumi Nakamura	
08:30	RECENT GROUND-BASED AND IN-SITU OBSERVATIONS OF SUBSTORM I EXPANSION PHASE ONSET <i>IAIN J. RAE, I. R. Mann, K. R. Murphy, D. K. Milling, C. E. J. Watt, V. Angelopoulos, H. U. Frey, K.-H. Glassmeier, H.-U. Auster, D. G. Sibeck, H. Singer</i>	302-MON-00830-0264
09:00	ISOLATED SUBSTORM EXPANSION PHASE ONSET AND THE MECHANISM OF AURORAL BRIGHTENING <i>ELIZAVETA E. ANTONOVA, Ilya A. Kornilov, Tatiana A. Kornilova, Maria S. Pulnits, Svetlana S. Rossolenko, Marina V. Stepanova</i>	302-MON-00900-0044
09:15	COMPARISON BETWEEN GROUND OBSERVED SUBSTORM ONSET TIMING AND THEMIS SATELLITE OBSERVATIONS <i>STEPHEN MENDE, Vassilis Angelopoulos, Harald U. Frey, Eric Donovan, Brian Jackel, Karl-Heinz Glassmeier, James P. McFadden, Davin Larson, Charles W. Carlson</i>	302-MON-00915-0912

09:30	DIAGNOSIS OF MAGNETOTAIL DRIVERS FOR IONOSPHERIC ELECTRODYNAMICS USING NETWORKS OF GROUND-BASED MAGNETOMETERS <i>IAN MANN, I. Jonathan Rae, K. Murphy, D. K. Milling, C. T Russell, V. Angelopoulos</i>	302-MON-00930-1266
09:45	FLOW, AURORA AND PI2 ASSOCIATIONS OBSERVED BY THEMIS <i>LARRY KEPKO, Emma Spanswick, Eric Donovan, Vassilis Angelopoulos, Joachim Raeder, Jim McFadden, K.-H. Glassmeier</i>	302-MON-00945-0865
	IV.01 New solar and interplanetary results LFCCC Liszt Chaired by: Yuan-Kuen Ko	
08:30	LOCAL HELIOSEISMOLOGY I LAURENT GIZON	401-MON-00830-1224
09:15	WEAKENING SOLAR ACTIVITY: END OF AN EXCEPTIONALLY ACTIVE PERIOD? KALEVI MURSULA	401-MON-00915-1094
09:30	THE UNPRECEDENTED SOLAR MAGNETIC FIELDS AND THEIR IMPLICATION <i>YU YI, Su Yeon Oh</i>	401-MON-00930-0502
09:45	NORHT-SOUTH ASYMMETRIES IN SOLAR CYCLES <i>Judit Muraközy, ANDRÁS LUDMÁNY</i>	401-MON-00945-1252
	V.02 Geomagnetic observatory practice, instrumentation and network Pannonia Chaired by: Aude Chambodut, Ikuko Fuji	
08:30	EXPERIENCES IN THE OPERATION OF LOW-COST CONSTRUCTED OBSERVATORIES <i>HANS-JOACHIM LINTHE, Pieter Kotzé, Errol Julies</i>	502-MON-00830-0485
08:45	PERMANENT GEOMAGNETIC FIELD OBSERVATIONS AT CONCORDIA STATION, DOME C, ANTARCTICA <i>DOMENICO DI MAURO, Aude Chambodut, Lili Cafarella, Stefania Lepidi S., Jean-Jacques Schott, Jean-François Vanacker, Jonathan Zaccaria</i>	502-MON-00845-1328
09:00	USGS MAGNETIC OBSERVATORY OPERATIONS: STATUS AND PLANNED IMPROVEMENTS <i>CAROL A. FINN, Alan M. Berarducci</i>	502-MON-00900-0653
09:15	SURLARI OBSERVATORY: WHERE WE HAVE BEEN AND WHERE WE ARE <i>ANCA ISAC, Mioara Manda, Hans Joachim Linthe</i>	502-MON-00915-0906
09:30	REPORTING QUASI-DEFINITIVE OBSERVATORY DATA IN NEAR REAL TIME <i>ORSOLYA BAILLIE, Ellen Clarke, Simon Flower, Sarah Reay, Christopher Turbitt</i>	502-MON-00930-1130
09:45	PROPOSAL FOR A NEW OBSERVATORY DATA PRODUCT: QUASI-DEFINITIVE DATA <i>ARNAUD CHULLIAT, Aline Peltier, François Truong, Danielle Fouassier</i>	502-MON-00945-1255

Coffee Break (10:00–10:30)

LFCCC First Floor, Theatre First Floor, Pannonia, Aula

Block 2. 10:30–12:00

I.01 Planetary Dynamos: theory, models, observation and experiment
Auditorium Green
Chaired by: **Tomas Soltis**

10:30	VARIATIONAL DATA ASSIMILATION FOR MOSST: A PROGRESS REPORT <i>Gary D. Egbert, Lada Dimitrova, WEIJIA KUANG, Andrew Tangborn</i>	101-MON-01030-1264
10:45	TORQUE BALANCE EVOLUTION WITHIN THE CORE OVER THE LAST 150 YEARS <i>SEIKI ASARI, Ingo Wardinski, Mioara Mandea</i>	101-MON-01045-0492
11:15	ON DYNAMOS DRIVEN BY TOPOGRAPHIC PRECESSION <i>Cheng-Chin Wu, PAUL H. ROBERTS</i>	101-MON-01115-0750
11:45	LARGE-SCALE FLOW AND MAGNETIC FIELD STRUCTURES IN LOW-VISCOSITY GEODYNAMO MODELS: THE EFFECT OF THE THERMAL BOUNDARY CONDITION <i>ATARU SAKURABA, Paul H. Roberts</i>	101-MON-01145-0680

I.02 Consequences of magnetospheric-ionospheric processes on magnetotelluric response functions
Auditorium Bourdon
Chaired by: **Michel Menvielle, Jan Lastovicka**

10:30	THE INDUCTION SOUNDINGS OF THE MANTLE IN THE ROTATING EARTH <i>VLADIMIR Yu. SEMENOV, Milan Hvozďara, Jan Vozar</i>	102-MON-01030-0777
10:45	REVEALING EFFECTS MODULATED BY EXTERNAL SOURCE BY USING MAGNETOTELLURIC MONITORING <i>GERARDO ROMANO, Marianna Balasco, Vincenzo Lapenna, Agata Siniscalchi and Luciano Telesca</i>	102-MON-01045-1215
11:00	ELECTROMAGNETIC INDUCTION IN THE EQUATORIAL ELECTROJET REGION: MORPHOLOGICAL FEATURES OF THE TRANSIENT VARIATIONS OF THE EARTH? ELECTROMAGNETIC FIELD IN WEST AFRICA LONGITUDES <i>K. Boka, M. Menvielle, V. DOUMBIA, C. Amory-Mazaudier, E. Guisso, P. Vila, A. T. Kobea, J. Vassal and A. S. Achy</i>	102-MON-01100-0302
11:15	ELECTROMAGNETIC RESPONSE OF THE EUROPEAN UNDERGROUND TO MAGNETOSPHERIC RING CURRENT VARIATIONS <i>VENERA DOBRICA, Crisan Demetrescu</i>	102-MON-P1115-0289
11:20	SYNTHETIC APPROACH TO MT ANALYSIS OF LONG PERIOD DATA <i>FRIEDRICH MAIER, Karsten Bahr</i>	102-MON-P1120-0505
11:25	RESPONSE FUNCTIONS' VARIATIONS OF INTERNAL ORIGIN <i>IGOR ROKITYANSKY, Evgeny Kharin</i>	102-MON-P1125-0224
11:30	IMPEDANCE TENSOR ERROR ESTIMATES VERSUS MAGNETOSPHERIC ACTIVITY <i>WAWRZYNIAK PIERRE, Sailhac Pascal, Guy Marquis, Zlotnicki Jacques, Fernando di Santo</i>	102-MON-P1130-0792

II.01 Electrodynamical coupling from the troposphere to the magnetosphere related to thunderstorm electrical activity
Theatre
Chaired by: **Colin Price, Elisabeth Blanc**

10:30	HOW TO SIMULATE SPRITE DISCHARGES IN LABORATORY AND COMPUTER <i>UTE EBERT</i>	201-MON-01030-0630
11:00	THE ALTITUDE DEPENDENCE OF SPRITE INFLUENCE ON THE CHEMICAL BALANCE OF THE MESOSPHERE <i>ANDREY A. EVTUSHENKO</i>	201-MON-01100-0323
11:15	LABORATORY STUDIES OF SPRITES IN GAS MIXTURES REPRESENTING THE VENUSIAN AND JOVIAN ATMOSPHERES <i>Daria Dubrovin, Sander Nijdam, Edie van Veldhuizen, Ute Ebert, Yoav Yair, COLIN PRICE</i>	201-MON-01115-0679
11:30	SATELLITE OBSERVATIONS OF THUNDERSTORM RELATED CHEMICAL CHANGES IN THE MIDDLE ATMOSPHERE <i>ANTTI KERO, E. Arnone, C.-F. Enell, F. Sao-Sabbas, M. Carlotti, B. M. Dinelli, C. J. Rodger, E. Papandrea, M. Ridolfi, N. F. Arnold, E. Turunen</i>	201-MON-01130-0985
11:45	A REVIEW OF THE SOUTH AMERICAN TLE PRODUCING CONVECTIVE SYSTEMS OBSERVED UP TO DATE <i>FERNANDA T SÁO SABBAS, Carlos A Morales Rodriguez, Rosmeri P Rocha, Rodrigo R Azambuja</i>	201-MON-01145-1302

II.07 Forcing of the middle and high latitude thermosphere from above and below
Painter's Hall
Chaired by: **Hermann Lühr**

10:30	NONMIGRATING TIDAL SIGNALS IN THE THERMOSPHERIC ZONAL WIND AS SEEN BY CHAMP AND TIME-GCM <i>KATHRIN HÄUSLER, Hermann Lühr, Maura Hagan, Astrid Maute, Ray Roble</i>	207-MON-01030-0159
11:00	TRISTATIC OBSERVATIONS OF THERMOSPHERIC WIND DIVERGENCE AND VORTICITY IN ALASKA <i>JOHN W. MERIWETHER, M. F. Larsen</i>	207-MON-01100-1280
11:15	POLAR CAP THERMOSPHERE DURING SOLAR MINIMUM CONDITION <i>QIAN WU</i>	207-MON-01115-0390
11:30	COORDINATED MEASUREMENTS OF MESOSPHERIC GRAVITY WAVES DURING A MULTI-INSTRUMENT/-STATION OBSERVATION CAMPAIGN IN JAPAN <i>SHIN SUZUKI, Takuji Nakamura, Mitsumu K. Ejiri, Masaki Tsutsumi, Kazuo Shiokawa, Taku D. Kawahara</i>	207-MON-01130-1109
11:45	SEASONAL DEPENDENCE OF THE NORTH-SOUTH ASYMMETRY IN THE NEUTRAL UPPER-ATMOSPHERE <i>ERZSÉBET ILLÉS-ALMÁR</i>	207-MON-P1145-0080
11:50	ATMOSPHERIC AND GEOMAGNETIC INFLUENCE ON THERMOSPHERIC ELECTRON DENSITIES INVESTIGATED BY OBLIQUE RADIO SOUNDING <i>D. Neudegg, M. Layoun, S. Hutchinson, M. Hyde, C. Thomson, RICHARD MARSHALL</i>	207-MON-P1150-0996

III.01 Magnetopause and magnetosheath processes: reconnection, diffusion and boundary dynamics
LFCCC Petőfi
Chaired by: **Charles J. Farrugia, Claire Foullon**

10:30	SOLAR WIND PLASMA ENTRY INTO THE EARTH'S PLASMA SHEET FOR NORTHWARD IMF <i>ANTINIUS OTTO</i>	301-MON-01030-1254
11:00	FORMATION OF A BROAD PLASMA MIXING LAYER BY FORWARD AND INVERSE CASCADES OF THE KELVIN-HELMHOLTZ INSTABILITY <i>YOSUKE MATSUMOTO, Kanako Seki</i>	301-MON-01100-1164
11:15	DAYSIDE MAGNETOPAUSE BOUNDARY LAYERS UNDER NORTHWARD IMF: RESULTS FROM THEMIS AND MHD SIMULATIONS <i>Wenhui Li, JOACHIM RAEDER, Marit Øieroset, Tai Phan</i>	301-MON-01115-0627
11:30	INFERRING GLOBAL RECONNECTION TOPOLOGY FROM KINETIC SIGNATURES INSIDE KELVIN-HELMHOLTZ VORTICES <i>M. B. BAVASSANO CATTANEO, M. F. Marcucci, Y. V. Bogdanova, H. Rème, I. Dandouras, L. M. Kistler, E. Lucek</i>	301-MON-01130-0673
11:45	HEAVY ION EFFECTS ON MAGNETOPAUSE TRANSPORT PROCESSES <i>JAY R. JOHNSON, Simon Wing, Yu Lin, and Eun-Hwa Kim</i>	301-MON-01145-0927

III.02 Advances in substorm research from multi-point observations in the magnetosphere
LFCCC Széchenyi
Chaired by: **Robert Lysak**

10:30	PLASMA STRUCTURE OF THE DIPOLARIZATIONS AND PLASMA INJECTIONS: RECENT THEMIS RESULTS <i>VICTOR SERGEEV, V. Angelopoulos, A. Runov, S. Apatenkov, S. Dubyagin, R. Nakamura, K.-H. Glassmeier, J. McFadden, D. Larson, J. Bonnell</i>	302-MON-01030-0511
11:00	ANALYSIS OF A SUBSTORM DIPOLARIZATION EVENT WITH IMPLICATIONS ON THE PHYSICAL PROCESS FOR DIPOLARIZATION <i>ANTHONY T. Y. LUI</i>	302-MON-01100-0372
11:15	PRESSURE CHANGE ASSOCIATED WITH DIPOLARIZATION IN THE NEAR-EARTH PLASMA SHEET <i>YUKINAGA MIYASHITA, S. Machida, A. Ieda, M. H. Saito, Y. Kamide, D. Nagata, M. Nosé, K. Liou, C. T. Russell, I. Shinohara, M. Fujimoto, T. Mukai, Y. Saito, H. U. Frey, S. P. Christon</i>	302-MON-01115-0838
11:45	PLASMA SHEET PRESSURE EVOLUTION RELATED TO SUBSTORMS <i>X. Xing, LARRY R. LYONS, V. Angelopoulos, D. Larson, J. McFadden, C. Carlson, A. Runov, and U. Auster</i>	302-MON-01145-0428

III.05 The plasma sheet-ionosphere, a coupled system: Sinks, sources, transport and the role of Region 2 currents
Educator's Hall
Chaired by: **Simon Wing**

10:30	IONOSPHERIC PROMPT PENETRATION ELECTRIC FIELDS <i>BELA G. FEJER</i>	305-MON-01030-1147
11:00	INVESTIGATING DYNAMICAL COMPLEXITY IN THE MAGNETOSPHERE USING VARIOUS ENTROPY MEASURES <i>GEORGIOS BALASIS, Ioannis A. Daglis, Constantinos Papadimitriou, Maria Kalimeri, Anastasios Anastasiadis, Konstantinos Eftaxias</i>	305-MON-01100-0699

11:15	RAM-SCB SIMULATIONS OF THE NEAR-EARTH MAGNETOSPHERE: EFFECT OF PLASMA SHEET CONDITIONS AND MAGNETIC COUPLING ON THE RING CURRENT/REGION 2 FIELD-ALIGNED CURRENTS <i>SORIN G. ZAHARIA, Vania K. Jordanova and Daniel T. Welling</i>	305-MON-01115-0892
11:30	STRUCTURE OF HIGH LATITUDE MAGNETOSPHERIC PLASMA DOMAINS AND THE PROBLEM OF LARGE-SCALE MAGNETOSPHERE-IONOSPHERE INTERACTIONS <i>ELIZAVETA E. ANTONOVA, Igor P. Kirpichev, Ksenia G. Orlova, Ilya L. Ovchinnikov, Maria S. Pulinet, Svetlana S. Rossolenko, Marina V. Stepanova</i>	305-MON-01130-0043

IV.01 New solar and interplanetary results
LFCCC Liszt
Chaired by: **Yuan-Kuen Ko**

10:30	SOLAR INTERIOR DYNAMICS <i>MATTHIAS REMPEL</i>	401-MON-01030-0268
11:00	DISCOVERY OF THE VORTEX FLOWS PREDICTED BY THE MODELS OF SOLAR CONVECTION <i>J. SÁNCHEZ ALMEIDA, J. A. Bonet, I. Márquez, I. Cabello, V. Domingo</i>	401-MON-01100-0895
11:15	FORMATION AND PROPAGATION OF CORONAL SHOCKS <i>BOJAN VRŠNAK</i>	401-MON-01115-0406
11:45	THE SOLAR MORETON WAVE OF 6 DECEMBER 2006: EVIDENCE FOR A CME DRIVER <i>EDWARD W. CLIVER</i>	401-MON-01145-0547

V.02 Geomagnetic observatory practice, instrumentation and network Pannonia
Chaired by: **Aude Chambodut, Ikuko Fuji**

10:30	NEAR REAL-TIME GEOMAGNETIC DATA FROM AN AUSTRALIAN REGION SPACE WEATHER NETWORK: DATA ACQUISITION TO SERVICE DELIVERY <i>RICHARD MARSHALL, Garth Patterson, Campbell Thomson, Colin Yuile</i>	502-MON-01030-1322
10:45	TOWARDS A METADATA STANDARD FOR GEOMAGNETIC OBSERVATORY DATA <i>SARAH REAY, Ewan Dawson, Simon Flower, Susan Macmillan, Don Herzog</i>	502-MON-01045-1169
11:00	EMD, EEMD, JTFA APPLIED TO GEOMAGNETIC TIME SERIES <i>ALPÁR KÖRMENDI</i>	502-MON-01100-0015
11:15	ON THE DERIVATION OF HOURLY MEAN VALUES WITH INCOMPLETE DATA <i>PAVEL HEJDA, Don Herzog, Hans-Joachim Linthe, Mioara Manda, Jean-Jaques Schott, Leif Svalgaard</i>	502-MON-01115-1140
11:30	EVALUATION OF 1-HZ DATA FROM USGS GEOMAGNETIC OBSERVATORIES <i>E. WILLIAM WORTHINGTON, Tim White, Edward A. Sauter, Duff C. Stewart</i>	502-MON-01130-0915
11:45	1-SECOND INTERMAGNET STANDARD MAGNETOMETER - 1-YEAR OPERATION <i>VALERY KOREPANOV, Andriy Marusenkov, Jean Rasson</i>	502-MON-01145-0155

Lunchtime (12:00–13:30)

Lunchtime meetings:

WG I-1:	Auditorium Green	WG II-G:	Educator's Hall
WG I-3:	Auditorium Bourdon	WG V-DAT:	Pannonia
WG II-A:	Theatre	WDMAM-MOD:	Pannonia (restaurant)
WG II-D:	Painter's Hall		

Block 3. 13:30–15:00

I.01 Planetary Dynamos: theory, models, observation and experiment
Auditorium Green
Chaired by: **Julian Aubert**

13:30	MAGNETIC FIELD GENERATION IN THE PRESENCE OF DOUBLE DIFFUSIVE CONVECTION IN PARTLY STABLE CORE OF MERCURY <i>AJAI MANGLIK, J. Wicht, U. R. Christensen</i>	101-MON-01330-0172
14:00	SCALING AND MODELING FOR PLANETARY CONVECTION AND MAGNETISM <i>SERGEY STARCHENKO</i>	101-MON-01400-0207
14:15	STABILITY OF ALMOST ADIABATIC CONVECTION IN ROTATING PLANETARY SHELLS <i>MARIA KOTELNIKOVA, Sergey Starchenko</i>	101-MON-01415-0458
14:45	THE PALEOMAGNETIC RECORD OF THE APOLLO SAMPLES <i>MIKE FULLER and Benjamin P. Weiss</i>	101-MON-01445-0593

I.13 Paleomagnetic, geomagnetic and rock-magnetic procedures: field tests, instrumentation, statistics
Auditorium Bourdon
Chaired by: **Ramon Egli, Fabio Donadini**

13:30	REMA6W - MS WINDOWS SOFTWARE FOR CONTROLLING JR-6 SPINNER MAGNETOMETERS <i>MARTIN CHADIMA, Jiří Pokorný, Miroslav Dušek</i>	113-MON-01330-0832
14:00	AUTOMATING THE 2G MAGNETOMETER FOR SINGLE-SOLENOID ALTERNATING FIELD DEMAGNETIZATION <i>Eli Morris, Walter Schillinger, ROBERT COE, Christopher Pluhar, Nicholas Jarboe</i>	113-MON-01400-0751
14:30	END-MEMBER MODELING OF ISOTHERMAL REMANENT MAGNETIZATION (IRM) ACQUISITION CURVES: A NOVEL APPROACH TO DIAGNOSE REMAGNETIZATION <i>Zhihong Gong, MARK J. DEKKERS, David Heslop, Tom A. T. Mullender</i>	113-MON-01430-0821

II.01 Electrodynamical coupling from the troposphere to the magnetosphere related to thunderstorm electrical activity
Theatre
Chaired by: **Gabriella Sători, Fernanda Sao Sabbas**

13:30	ANALYSIS OF TLES OBSERVED IN THE SOUTHEASTERN U.S. I <i>STEVEN A. CUMMER</i>	201-MON-01330-0651
14:00	PRINCIPAL COMPONENT ANALYSIS OF SUB-IONOSPHERIC VLF PROPAGATION CONDITIONS <i>ANDREW B. COLLIER and J. Lichtenberger</i>	201-MON-01400-0078
14:15	IMPROVEMENTS IN THE WWLLN NETWORK: BIGGER DETECTION EFFICIENCIES THROUGH MORE STATIONS AND SMARTER ALGORITHMS <i>CRAIG J. RODGER, James B. Brundell and Robert H. Holzworth</i>	201-MON-01415-0989
14:30	STUDY OF SCHUMANN RESONANCE IN LOW LATITUDE INDIAN REGION <i>B. M. PATHAN, and A. K. Sinha</i>	201-MON-01430-0417
14:45	MODELING THE RELAXATION OF EARLY VLF PERTURBATIONS ASSOCIATED WITH TRANSIENT LUMINOUS EVENTS <i>CHRISTOS HALDOUPIS, Ágnes Mika and Sergey Shalimov</i>	201-MON-01445-0937

III.01 Magnetopause and magnetosheath processes: reconnection, diffusion and boundary dynamics
LFCCC Petőfi
Chaired by: **Mariella Tátrallyay, Benoit Lavraud**

13:30	THE MICROPHYSICS OF MAGNETIC RECONNECTION IN SPACE PLASMAS: IN-SITU OBSERVATIONS AT THE TERRESTRIAL MAGNETOPAUSE AND MAGNETOSHEATH <i>ALESSANDRO RETINÒ, A. Vaivads, Y. Khotyaintsev, M. André, G. Stenberg, F. S. Mozer, D. Sundkvist, K. Tanaka, H. Hasegawa, M. Fujimoto, R. Nakamura, W. Baumjohann</i>	301-MON-01330-0622
14:00	ELECTRON ACOUSTIC DOUBLE LAYERS IN A FOUR COMPONENT MAGNETIZED PLASMA <i>SUKTISAMA S. GHOSH, J. S. Pickett, G. S. Lakhina</i>	301-MON-01400-0311
14:15	MIRROR WAVES NONLINEAR DYNAMICS: THEMIS OBSERVATIONS <i>MICHAEL BALIKHIN</i>	301-MON-01415-0993
14:30	LOCAL INFLUENCE OF MIRROR MODE FLUCTUATIONS ON MAGNETOPAUSE RECONNECTION <i>TIERA V. LAITINEN, Mats André, Andris Vaivads, Nick Omid, Yuri V. Khotyaintsev, Elizabeth A. Lucek, Henri Rème</i>	301-MON-01430-0480
14:45	RELATIONSHIP BETWEEN BZ MAGNETIC FIELD COMPONENTS IN THE SOLAR WIND AND MAGNETOSHEATH: STATISTICAL STUDY <i>JANA SAFRANKOVA, Mykhaylo Hayosh, Olga Gutynska, Zdenek Nemecek</i>	301-MON-01445-0584

III.02 Advances in substorm research from multi-point observations in the magnetosphere
LFCCC Széchenyi
Chaired by: **Victor Sergeev**

13:30	RECENT SUBSTORM RESULTS FROM COMBINED CLUSTER AND DOUBLE STAR MEASUREMENTS <i>ANDREW P. WALSH, A. N. Fazakerley, M. W. Dunlop, C. Forsyth, A. Grocott, L. M. Kistler, M. Lester, A. T. Y. Lui, C. Mouikis, Z. Pu, C. Shen, J. K. Shi, M. G. G. T. Taylor, M. Volwerk</i>	302-MON-01330-1080
14:00	A MAGNETOSEISMIC INVESTIGATION OF SUBSTORM ONSETS AND ITS VALIDATION BY SATELLITE OBSERVATIONS <i>PETER J. CHI, S. Ohtani, C. T. Russell, V. Angelopoulos, K.-H. Glassmeier</i>	302-MON-01400-1133
14:15	THE PENETRATION OF PLASMA SHEET INTO THE INNER PLASMASPHERE OBSERVED BY DSP SPACECRAFT <i>JINBIN CAO, Weizhen Ding</i>	302-MON-01415-0957
14:45	WAVE GENERATION AND ELECTRON ACCELERATION DURING SUBSTORMS <i>MAHA ASHOUR-ABDALLA, Xiaohua Deng, Meng Zhou, David Schriver, Mostafa El-Alaoui and Raymond Walker</i>	302-MON-01445-0756

IV.01 New solar and interplanetary results
LFCCC Liszt
Chaired by: **Clare Parnell**

13:30	CONSTRAINTS ON CME INITIATION AND EARLY EVOLUTION FROM SECCHI ON STEREO <i>SPIROS PATSOURAKOS</i>	401-MON-01330-1320
14:00	THE CME-FLARE RELATION REVISITED WITH STEREO OBSERVATIONS <i>NARIAKI V. NITTA, Markus J. Aschwanden, James R. Lemen, Jean-Pierre Wuelser and Dominic M. Zarro</i>	401-MON-01400-1010
14:15	3D MHD NUMERICAL SIMULATION OF ACTIVE REGIONS ON THE SOLAR ATMOSPHERE <i>JEAN CARLO SANTOS, Jörg Büchner</i>	401-MON-01415-0315
14:30	HEMISPHERIC AND LONGITUDINAL ASYMMETRIES IN CME OCCURRENCE <i>Timo Asikainen, Kalevi Mursula, Eva Robbrecht and David Berghmans</i>	401-MON-01430-1088

14:45	ULTRA-LONG-PERIOD OSCILLATIONS IN EUV FILAMENTS NEAR TO ERUPTION: TWO-WAVELENGTH CORRELATION AND SEISMOLOGY <i>CLAIRE FOULLON, E. Verwichte, V. M. Nakariakov</i>	401-MON-01445-1210
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V.02 Geomagnetic observatory practice, instrumentation and network
Pannonia
Chaired by: **Aude Chambodut, Ikuko Fuji**

13:30	CORRECTING GEOMAGNETIC OBSERVATIONS FROM BRORFELDE, DEN-MARK, FOR DISTURBANCES CAUSED BY NEARBY POWER LINES <i>CATHRINE FOX MAULE, Jürgen Matzka, Lars W. Pedersen</i>	502-MON-01330-0108
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13:45	ON THE PROBLEM OF NOISE IN GEOMAGNETIC OBSERVATORY DATA <i>GERHARD SCHWARZ, Patrik Johansson</i>	502-MON-01345-1276
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14:00	GEOMAGNETISM SCIENCE AT SOUTH OF BRAZIL <i>NELSON JORGE SCHUCH, Nalin Babulal Trivedi, Severino Luiz Guimarães Dutra, Cassio Espindola Antunes, Fernando de Souza Savian, Josemar Siqueira</i>	502-MON-01400-0493
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14:15	DISCUSSION	
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Coffee Break (15:00–15:30)

LFCCC First Floor, Theatre First Floor, Pannonia, Aula

Block 4. 15:30–17:00

I.01 Planetary Dynamos: theory, models, observation and experiment
Auditorium Green
Chaired by: **Philip Livermore**

15:30	SATURATION MECHANISMS IN DYNAMO IN THE LAYER <i>P. Hejda, MAXIM RESHETNYAK</i>	101-MON-01530-0408
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15:45	MARGINAL STABILITY OF THE PLANAR LAYER IN EQUATORIAL REGIONS WITH ANISOTROPIC DIFFUSIVITIES <i>TOMAS SOLTIS, Jozef Brestensky</i>	101-MON-01545-0339
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16:00	SPHERICAL MAGNETOCONVECTION WITH ANISOTROPIC TURBULENT THERMAL DIFFUSION <i>DAVID IVERS, Collin Phillips</i>	101-MON-01600-1099
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16:15	KINEMATIC DYNAMOS REVISITED <i>David Ivers, RON JAMES</i>	101-MON-01615-0973
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I.13 Paleomagnetic, geomagnetic and rock-magnetic procedures: field tests, instrumentation, statistics
Auditorium Bourdon
Chaired by: **Ramon Egli, Fabio Donadini**

15:30	PUZZLING ASPECTS OF DEEP-SEA SEDIMENTS MAGNETISATION FROM LABORATORY REDEPOSITION EXPERIMENTS <i>SIMO SPASSOV, Jean-Pierre Valet, Maxime LeGoff</i>	113-MON-01530-1101
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16:00	LOW-LATITUDE OXFORDIAN POSITION OF THE ORAVIC CRUSTAL SEGMENT (PIENINY KLIPPEN BELT, WESTERN CARPATHIANS): WAS IT A SLOW DRIFT OR A BIG JUMP? <i>Maria Jeleńska, IGOR TÚNYI, Roman Aubrecht</i>	113-MON-01600-1369
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II.01 Electrodynamical coupling from the troposphere to the magnetosphere related to thunderstorm electrical activity
Theatre
Chaired by: **Gabriella Sători, Fernanda Sao Sabbas**

15:30	SCOPE AND STRATEGY OF RISING SATELLITE OBSERVATION WITH GROUND-BASED NETWORK <i>YUKIHIRO TAKAHASHI, RISING Science Team</i>	201-MON-01530-0948
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16:00	MODELING AND DIAGNOSTICS OF AEROELECTRIC STRUCTURES IN THE LOWER ATMOSPHERE <i>MARIA V. SHATALINA, Mareev E.A., S.V. Anisimov and V.V. Klimenko</i>	201-MON-01600-0340
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16:15	OPTICAL AND ELECTRIC FIELD OBSERVATIONS OF LIGHTNING IN THE LOW LATITUDE IONOSPHERE GATHERED WITH PROBES ON THE C/NOFS SATELLITE <i>R. H. HOLZWORTH, M. P. McCarthy, A. R. Jacobson, R. F. Pfaff, D. E. Rowland</i>	201-MON-01615-0574
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16:30	EFFECT OF ACTIVE THUNDERSTORM ON IONOSPHERIC ELECTRON AND ION TEMPERATURES AS MEASURED BY THE SROSS-C2 SATELLITE <i>D. K. SHARMA, Jagdiah Rai</i>	201-MON-01630-0581
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16:45	SEASONAL VARIATION OF THE MESOSPHERIC INVERSION LAYER AND THUNDERSTORMS <i>S. FADNAVIS</i>	201-MON-01645-0025
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17:00	MODELING OF THUNDERCLOUD SCREENING CHARGES: IMPLICATIONS FOR BLUE AND GIGANTIC JETS <i>JEREMY A. RIOUSSET, Victor P. Pasko, Paul R. Krehbiel, William Rison, Mark A. Stanley</i>	201-MON-01700-0244
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III.01 Magnetopause and magnetosheath processes: reconnection, diffusion and boundary dynamics
LFCCC Petöfi
Chaired by: **Mariella Tátrallyay, Benoit Lavraud**

15:30	CONTINUOUS VERSUS PULSED RECONNECTION AT THE MAGNETOPAUSE <i>KARLHEINZ J. TRATTNER, S. M. Petrinec and S. A. Fuselier</i>	301-MON-01530-0374
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16:00	RECONNECTION RATE AND ENERGY CONVERSION AT THE MAGNETO-PAUSE: MULTIPOINT MEASUREMENTS AND SIMULATIONS <i>LISA ROSENQVIST, A. Vaivads, A. Retinò, T. Phan, H. J. Opgenoorth, L. Rastaetter, I. Dandouras, and S. Buchert</i>	301-MON-01600-0178
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16:15	THEMIS BURST-MODE OBSERVATIONS OF RECONNECTION AT THE DAYSIDE MAGNETOPAUSE <i>CHRIS PASMA, Tai Phan, Goetz Paschmann, and Vassilis Angelopoulos</i>	301-MON-01615-0735
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16:30	ESCAPE OF HIGH-ENERGY OXYGEN IONS THROUGH MAGNETOPAUSE RECONNECTION UNDER NORTHWARD IMF <i>SATOSHI KASAHARA, Hiroshi Hasegawa, Kunihiro Keika, Yukinaga Miyashita, Masaki N. Nishino, Yoshifumi Saito, and Toshifumi Mukai</i>	301-MON-01630-0369
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16:45	ANTI-PARALLEL RECONNECTION: DYNAMICS AND RECONNECTION RATE <i>STEPHEN A. FUSELIER, Steven M. Petrinec, Karlheinz J. Trattner</i>	301-MON-01645-0454
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III.02 Advances in substorm research from multi-point observations in the magnetosphere
LFCCC Széchenyi
Chaired by: **Rumi Nakamura**

15:30	STATISTICAL STUDY OF SUBSTORM TIMING SEQUENCE <i>NAIGUO LIN, Harald U. Frey, Stephen B. Mende, Forrest S. Mazer, Robert L. Lysak, Yan Song, Vassilis Angelopoulos</i>	302-MON-01530-0955
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15:45	GLOBAL ALFVENIC INTERACTION <i>YAN SONG, Robert L. Lysak</i>	302-MON-01545-1247
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16:00	SUBSTORM CONVECTION AND CURRENT SYSTEM DEDUCED FROM THE GLOBAL SIMULATION <i>TAKASHI TANAKA</i>	302-MON-01600-0106
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16:15	OPENGGCM SIMULATIONS OF SUBSTORMS OBSERVED BY THEMIS <i>JOACHIM RAEDER, Larry Kepko, Yasong Ge, Alexander Vapirev, Mei-Ching Fok, Bei Hu, Frank Toffoletto, Douglas Larson</i>	302-MON-01615-0625
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16:30–17:00 Discussion led by Larry Kepko and Ian Mann

IV.01 New solar and interplanetary results
LFCCC Liszt
Chaired by: **Clare Parnell**

15:30	MHD SIMULATIONS OF THE GLOBAL SOLAR CORONA AND THE SOLAR WIND ROBERTO LIONELLO	401-MON-01530-0443
16:00	TEMPERATURE DEPENDENT PLASMA UPFLOWS IN THE SOLAR ATMOSPHERE AND THE CORONAL TEMPERATURE KIYOTO SHIBASAKI	401-MON-01600-0018
16:15	DIRECT RADIO PROBING AND INTERPRETATION OF THE SUN'S DENSITY PROFILE IVER H. CAIRNS, Vasili V. Lobzin, Alexander Warmuth, Bo Li, Peter A. Robinson, and Gottfried Mann	401-MON-01615-0181
16:30	NEW MODELS OF CORONAL STREAMERS WITH HEAVY IONS LEON OFMAN	401-MON-01630-1053
16:45	MODELLING FORMATION AND EVOLUTION DYNAMICS OF THE LOOP PROMINENCES AND SUBSTANCE MOTION IN MAGNETIC FIELD ALEXANDER GLUSHKOV	401-MON-01645-0355

V.02 Geomagnetic observatory practice, instrumentation and network
Pannonia
Chaired by: **Aude Chambodut, Ikuko Fuji**

15:30–17:00 Discussion and short oral presentation of posters (not listed here)

15:30 Press conference, SZIG
16:00–18:00 Conference of Delegates 1 (CD 1), Lyceum

Poster Session 17:00–19:00

Local wine is served in Aula and Lyceum Courtyard between 17:30 and 19:00

I.01 Planetary Dynamos: theory, models, observation and experiment
Aula
Chaired by: **David Ivers**

17:00	KOZYREV'S ASYMMETRICAL FORCE AND ITS POSSIBLE IMPACT ON GEODYNAMO Igor Rokityansky, ARTEM TERESHYN	101-MON-P1700-0115
	INFLUENCE OF A VERTICAL HOMOGENEOUS MAGNETIC FIELD ON SHEARED MAGNETIC FIELD STABILITY S. SEVČIK, Alexandra Marsenic	101-MON-P1700-0318
	CONVECTION IN ROTATING NON-UNIFORMLY STRATIFIED SPHERICAL FLUID SHELLS: A SYSTEMATIC PARAMETER STUDY JÁN ŠIMKANIN, Pavel Hejda, Dana Jankovičová	101-MON-P1700-0481
	TAYLOR STATES AND THE DYNAMICAL INFLUENCE OF THE INNER CORE PHILIP LIVERMORE, Glenn Ierley, Andy Jackson	101-MON-P1700-0712
	EQUATOR ASYMMETRIC CONVECTION AND DYNAMO ACTION IN ROTATING FLUID SPHERES MAYLIS LANDEAU and Julien Aubert	101-MON-P1700-0843
	EFFECTS OF THERMAL BOUNDARY CONDITION AND INNER CORE SIZE ON DYNAMOS DRIVEN BY SECULAR COOLING KUMIKO HORI, Johannes Wicht, Ulrich R. Christensen	101-MON-P1700-1038
	NON-LOCAL MEMORY EFFECTS OF THE ALPHA-EFFECT IN DYNAMO THEORY KUMIKO HORI, Shigeo Yoshida	101-MON-P1700-1249

I.02 Consequences of magnetospheric-ionospheric processes
on magnetotelluric response functions
Aula
Chaired by: **Jan Lastovicka, Michel Menvielle**

17:00	ELECTROMAGNETIC RESPONSE OF THE EUROPEAN UNDERGROUND TO MAGNETOSPHERIC RING CURRENT VARIATIONS VENERA DOBRICA, Crisan Demetrescu	102-MON-P1115-0289
	SYNTHETIC APPROACH TO MT ANALYSIS OF LONG PERIOD DATA FRIEDRICH MAIER, Karsten Bahr	102-MON-P1120-0505
	RESPONSE FUNCTIONS' VARIATIONS OF INTERNAL ORIGIN IGOR ROKITYANSKY, Evgeny Kharin	102-MON-P1125-0224
	IMPEDANCE TENSOR ERROR ESTIMATES VERSUS MAGNETOSPHERIC ACTIVITY WAWRZYNIAK PIERRE, Sailhac Pascal, Guy Marquis, Zlotnicki Jacques, Fernando di Santo	102-MON-P1130-0792

II.01 Electrodynamical coupling from the troposphere to the magnetosphere related
to thunderstorm electrical activity
Lyceum Gymnastic Hall, level 1
Chaired by: **Colin Price**

17:15	UNIFICATION OF LORENTZIAN SPECTRAL METHODS APPLIED IN DIFFERENT SCHUMANN RESONANCE STATIONS TO PREPARE GLOBAL INVERSION FOR SPECIFYING GLOBAL LIGHTNING SOURCES TAMÁS NAGY, Gabriella Sători, Robert Boldi, Vadim Mushtak, Earle Williams, Mariusz Neska	201-MON-P1700-0192
I	REMOTELY CONTROLLED OBSERVATIONS OF TRANSIENT LUMINOUS EVENTS IN CENTRAL EUROPE FROM SOPRON, HUNGARY IN 2008 VERONIKA BARTA, József Bór, Gabriella Sători and Hans-Dieter Betz	201-MON-P1700-0226
	HIGH-SPEED VIDEO OBSERVATIONS OF POSITIVE GROUND FLASHES PRODUCED BY INTRACLOUD LIGHTNING Marcelo Saba, LEANDRO CAMPOS, Philip Krider, Osmar Pinto Jr.	201-MON-P1700-0617
	SURVEY OF SCHUMANN RESONANCE ELECTRIC FIELD COMPONENT MEASUREMENTS AT MODRA OBSERVATORY IN 2006 - 2008 ADRIENA ONDRÁŠKOVÁ, Sebastián Ševčík, Pavel Kostecký	201-MON-P1700-1105
	ELF TRANSIENT EVENTS REGISTERED SIMULTANEOUSLY IN OPTICAL AND IN SCHUMANN RESONANCE BANDS ADRIENA ONDRÁŠKOVÁ, Juraj Tóth, Sebastián Ševčík, Pavel Kostecký, Robert Kysel	201-MON-P1700-1106
	DOES TLE FREQUENCY VARY ON THE 11-YEAR SOLAR CYCLE? GABRIELLA SÁTORI	201-MON-P1700-1293
	ELF/VLF SIGNATURES OF SPRITE-PRODUCING LIGHTNING DISCHARGES OBSERVED DURING THE 2005 EUROSRITE CAMPAIGN Eran Greenberg, COLIN PRICE, Yoav Yair, Christos Haldoupis, Olivier Chanrion and Torsten Neubert	201-MON-P1700-1345

II.07 Forcing of the middle and high latitude thermosphere from above and below

Lyceum Gymnastic Hall, level 1

Chaired by: **Hermann Lühr**

17:00	SEASONAL DEPENDENCE OF THE NORTH-SOUTH ASYMMETRY IN THE NEUTRAL UPPER-ATMOSPHERE <i>ERZSÉBET ILLÉS-ALMÁR</i>	207-MON-P1145-0080
	ATMOSPHERIC AND GEOMAGNETIC INFLUENCE ON THERMOSPHERIC ELECTRON DENSITIES INVESTIGATED BY OBLIQUE RADIO SOUNDING <i>D. Neudegg, M. Layoun, S. Hutchinson, M. Hyde, C. Thomson, RICHARD MARSHALL</i>	207-MON-P1150-0996

III.01 Magnetopause and magnetosheath processes: reconnection, diffusion and boundary dynamics

Lyceum Gymnastic Hall, level 0

Chaired by: **Claire Foullon**

17:00	VARIATIONS OF THE CORRELATION LENGTH OF MAGNETOSHEATH MAGNETIC FIELD FLUCTUATIONS <i>OLGA GUTYNSKA, Jana Šafránková, Zdeněk Němeček</i>	301-MON-P1700-1097
	EVOLUTION OF KELVIN-HELMHOLTZ ACTIVITY ON THE DUSK FLANK MAGNETOPAUSE <i>CLAIRE FOULLON, C. J. Farrugia, A. N. Fazakerley, C. J. Owen, F. T. Gratton, R. B. Torbert</i>	301-MON-P1700-1128
	MOMENTUM TRANSFER ON OLD OPEN FIELD LINES AND THE ROLES OF THE IMF EAST-WEST COMPONENT (BY) AND CONDUCTIVITY GRADIENTS <i>Per Even Sandholt, Charles J. Farrugia</i>	301-MON-P1700-1351

III.02 Advances in substorm research from multi-point observations in the magnetosphere

Lyceum Gymnastic Hall, level 0

Chaired by: **Rumi Nakamura**

17:00	CHARACTERISING THE ULF RESPONSE TO THE SUBSTORM EXPANSION PHASE ONSET <i>KYLE R. MURPHY, I. Jonathan Rae, Ian R. Mann, David K. Milling, Clare E. J. Watt, Vassilis Angelopoulos, Harald U. Frey</i>	302-MON-P1700-0362
I	CONSTRAINING SUBSTORM ONSET FROM COMBINED SPACE AND GROUND BASED OBSERVATIONS <i>A. P. WALSH, I. J. Rae, I. R. Mann, A. N. Fazakerley, K. Murphy, M. Volwerk</i>	302-MON-P1701-1084
	ENERGETIC ELECTRON PRECIPITATION DURING SUBSTORM INJECTION EVENTS: HIGH-LATITUDE FLUXES AND AN UNEXPECTED MIDLATITUDE SIGNATURE <i>MARK A. CLIVERD, Craig J. Rodger, James Brundell, John Bähr, Neil Cobbett, Tracy Moffat-Griffin, Andrew J. Kavanagh, Annika Seppälä, Neil R. Thomson, Reiner H. W. Friedel, and Frederick W. Menk</i>	302-MON-P1702-0724
	VARIATIONS OF THE AURORAL EMISSIONS AND THE ELECTRON PRECIPITATION DURING SUBSTORMS <i>VENETA GUINEVA, Irina Despirak, Rolf Werner, Espen Trondsen, Farideh Honary, Steve Marple, Kolbjørn Dahle, Peter Stauning</i>	302-MON-P1703-0232
	MHD TRAVEL TIME IN THE MAGNETOTAIL AND ITS IMPLICATIONS FOR TIMING OF SUBSTORM PROCESSES <i>PETER J. CHI, M. G. Kivelson</i>	302-MON-P1704-1240
	ON THE RELATIONSHIPS BETWEEN DOUBLE-ONSET SUBSTORMS, BURSTY BULK FLOWS, AND IMF VARIATIONS <i>CHING-CHANG CHENG, C. T. Russell, V. Angelopoulos, I. R. Mann, K. H. Glassmeier, W. Baumjohann</i>	302-MON-P1705-0587
	WAVES, PLASMA FLOWS AND MAGNETIC FIELD DIPOLARIZATIONS IN THE COURSE OF MAGNETOSPHERIC SUBSTORMS OBSERVED BY THEMIS <i>OLGA E. MALANDRAKI, Ioannis. I. Vogiatzis, Qiugang—G. Zong, Anthony T. Lui, Emmanuel T. Sarris, Theodore A. Fritz, Xuzhi-Z. Zhou</i>	302-MON-P1706-1163

PRESSURE AND ENTROPY CHANGES DURING A DIPOLARIZATION IN THE PLASMA SHEET

STEPAN DUBYAGIN, Alexander Nikolaev, Victor Sergeev, Sergey Apatenkov, Rumi Nakamura, Vassilis Angelopoulos

CLUSTER MULTI-POINT, MULTI-SCALE OBSERVATIONS OF FLOW-INDUCED DIPOLARIZATION IN THE NEAR TAIL REGION

Rumi Nakamura, A. Retino, M. Volwerk, W. Baumjohann, E. A. Lucek, I. Dandouras, B. Klecker, Y. Khotyaintsev

TAILWARD AND EARTHWARD FLOW ONSETS OBSERVED BY CLUSTER IN A THIN CURRENT SHEET

ANATOLI A. PETRUKOVICH, Wolfgang Baumjohann, Rumi Nakamura, Henri Rème

ENERGETIC ELECTRON ACCELERATION WITHIN THE FLOW BRAKING REGION IN THE NEAR-EARTH MAGNETOTAIL: CLUSTER SPACECRAFT MULTI-SCALE OBSERVATIONS

ALESSANDRO RETINÒ, R. Nakamura, K. Keika, Y. Asano, S. Kasahara, A. Vaivads, Y. Khotyaintsev, W. Baumjohann, M. Volwerk, E. Panov, M. André, E. Kronberg, P. W. Daly, Y. Dandouras, C. J. Owen, E. A. Lucek, N. Cornilleau-Wehrlin, O. LeContel

ELECTRON BEAM OBSERVATIONS IN THE NEAR-EARTH PLASMA SHEET BOUNDARY LAYER DURING ACTIVE PERIODS

CHRISTIAN KOGLER, R. Nakamura, A. Retino, W. Baumjohann, R. B. Torbert, H. Vaith, M. Chutter, E. Georgescu, A. Fazakerley, Y. Khotyaintsev

THEMIS EVENT STUDY OF THE GEOMETRY AND PLASMA PROPERTIES OF THE FLAPPING WAVE

DMITRY A. SORMAKOV, V. A. Sergeev, V. S. Semenov, V. Angelopoulos, N. V. Erkaev

THEMIS MULTI-POINT OBSERVATIONS OF FLUX ROPES AND TRAVELLING COMPRESSION REGIONS: FIRST TAIL SEASON RESULTS

SUZANNE M. IMBER, J. A. Slavin, K.-H. Glassmeier, J. P. McFadden and V. Angelopoulos

SPECTRAL CHARACTERISTICS OF IONS IN THE EARTH'S PLASMASHEET: STATISTICAL RESULTS FROM CLUSTER CIS AND RAPID

Elena A. Kronberg, Stein HAALAND, P. Daly, M. Fraenz, L. Degener, A. Aasnes, E. Georgescu, A. Korth, I. Dandouras

MAGNETOSPHERIC SOLITARY STRUCTURE MAINTAINED BY 3000 KM/S IONS AND ITS RELATION TO AURORAL BULGE AFTER A SUBSTORM

M. Yamauchi, HANS NILSSON, I. Dandouras, P. W. Daly, G. Stenberg, H. U. Frey, P.-A. Lindqvist, Y. Ebihara, R. Lundin, H. Rème, M. André, E. A. Kronberg, A. Balogh and M. Henderson

INVESTIGATING THE RELATIONSHIP BETWEEN THE OPEN MAGNETIC FLUX AT THE TIME OF SUBSTORM ONSET AND SUBSTORM PARTICLE INJECTION SIGNATURES

P. D. BOAKES, S. E. Milan, G. A. Abel, M. P. Freeman, G. Chisham and B. Hubert

ISOTROPIC BOUNDARY AS A PROXY FOR TAIL CURRENT CONTRIBUTION TO THE DST/DCX INDEX

TIMO ASIKAINEN, Ville Maliniemi and Kalevi Mursula

DEVELOPMENT OF SUBSTORM BULGES DURING STORMS OF DIFFERENT INTERPLANETARY ORIGINS

IRINA DESPIRAK, Andris Lubchich, Veneta Guineva

IV.01 New solar and interplanetary results

Lyceum Gymnastic Hall, level 0

Chaired by: **Yuan-Kuen Ko**

17:00	MERGING AND GROWTH OF CELLULAR MAGNETIC STRUCTURES LEADING TO SOLAR ERUPTION <i>GWANG SON CHOE, C. Z. Cheng, K. S. Kim</i>	401-MON-P1700-0251
	STATISTICAL EVIDENCE OF THE REALITY OF GLOBALLY NON-SIMULTANEOUS FORBUSH DECREASE EVENTS <i>SU YEON OH, Yu Yi, Yong Kyun Kim, John Bieber</i>	401-MON-P1700-0501
	THE DISTRIBUTION OF PHOTOSPHERIC FLUXES <i>Clare E. Parnell, Craig E. Deforest, Hermance J. Hagenaar, Derek Lamb and Brian Welsch</i>	401-MON-P1700-0533
	SIGNAL THEORY AS A TOOL TO STUDY EFFECTS OF COSMIC RAYS, SOLAR ACTIVITY AND AFRICAN DUST ON NORTH ATLANTIC HURRICANES <i>JORGE PÉREZ-PERAZA and Victor Velasco-Herrera</i>	401-MON-P1700-0759
	THE THREE-DECADAL COSMIC RAYS CYCLE <i>JORGE PÉREZ-PERAZA and Victor Velasco-Herrera</i>	401-MON-P1700-0760
	ASYMMETRY OF THE HELIOSPHERIC CURRENT SHEET DURING THE THREE ULYSSES FAST LATITUDE SCANS <i>ILPO VIRTANEN, Kalevi Mursula</i>	401-MON-P1700-1071
	CORRELATION FUNCTIONS OF SMALL-SCALE FLUCTUATIONS OF THE INTERPLANETARY MAGNETIC FIELD <i>ZOLTÁN NÉMETH, Gábor Facskó, Elisabeth Lucek</i>	401-MON-P1700-1188
	IMPROVED ANALYSIS OF DIFFERENTIAL ROTATION PARAMETERS OF ACTIVE LONGITUDES OF SOLAR X-RAY FLARES <i>L. ZHANG, Kalevi Mursula and I. Usoskin</i>	401-MON-P1700-1245

V.02 Geomagnetic observatory practice, instrumentation and network

Lyceum Gymnastic Hall, level 1

Chaired by: **Aude Chambodut, Ikuko Fuji**

17:00	SHIFTING OF KARACHI GEOMAGNETIC OBSERVATORY TO SONMIANI & COMPARISON OF DATA <i>GHULAM MURTAZA, Madeeha Ashfaq, Jean. L. Rasson</i>	502-MON-P1700-0150
	ESTABLISHMENT OF GEOMAGNETIC OBSERVATORY AT ISLAMABAD AND REPEAT STATION RESULTS FROM NORTHERN PART OF PAKISTAN <i>MADEEHA ASHFAQ, Ghulam Murtaza, Jean L. Rasson</i>	502-MON-P1700-0151
	INDIGO: BETTER GEOMAGNETIC OBSERVATORIES WHERE WE NEED THEM <i>Ayyaz Ameen, Madeeha Ashfaq, Pavel Borodin, Jorge Luis Brenes, Elias Daudi, Noor Efendi, Simon Flower, Muhammad Hidayat, Muhammad Husni, Manuel Kampine, Oleg Kusonski, Artur Langa, Iván Monge, Antonio Mucussete, Malik Ghulam Murtaza, Armindo Nhatsave, I Kadek Oca Santika, JEAN L RAS-SON, John Riddick, Didik Suharyadi, Christopher Turbitt and Mahmud Yusuf</i>	502-MON-P1700-0162
	GEOMAGNETIC OBSERVATORIES OF UKRAINE: EQUIPMENT, MEASUREMENT PRACTICE AND DATA INTERPRETATION <i>MYKHAILO ORLIUK, Yuri Sumaruk, Taras Sumaruk, Andriy Romanets, Igor Melnychuk</i>	502-MON-P1700-0280
	EXPERIENCES WITH NEW OBSERVATORY PRAXES MONITORING THE ORTHOGONALITY AND ORIENTATION OF THE DIDD <i>ANDRÁS CSONTOS, Balázs Heilig, László Hegymegi and Alan Berarducci</i>	502-MON-P1700-0300
	MONITORING THE ORTHOGONALITY OF THE DIDD <i>BALÁZS HEILIG, András Csontos</i>	502-MON-P1700-0320

MEXICO MAGNETIC CHART EPOCH 2010.0, FIRST MEASUREMENTS

MARÍA TERESA VELÁZQUEZ-JIMÉNEZ, Gerardo Cifuentes-Nava, Esteban Hernández-Quintero 502-MON-P1700-0353

GEOPHYSICAL SURVEY IN THE NEW MAGNETIC OBSERVATORY SITE IN COENEO, MICHOACAN (MÉXICO)

GERARDO CIFUENTES-NAVA, Maria Teresa Velázquez-Jiménez, Esteban Hernández-Quintero 502-MON-P1700-0354

MULTI-STATION MAGNETIC OBSERVATIONS AS A BASE FOR THE NEW ULF INDEX

OLGA KOZYREVA, Natalia Kleimenova 502-MON-P1700-0424

EARTHQUAKE OBSERVED AT THE MAGNETIC OBSERVATORY AT BRORFELDE, DENMARK

CATHRINE FOX MAULE, Lars W. Pedersen, Peter Voss, Jürgen Matzka, Anna Nilsson, Søren Gregersen 502-MON-P1700-0447

DETECTION OF HARDWARE FAILURES AT INTERMAGNET STATIONS: APPLICATION OF ARTIFICIAL INTELLIGENCE TECHNIQUES TO GEOMAGNETIC RECORDS STUDY

ANATOLY SOLOVIEV, Shamil Bogoutdinov, Sergey Agayan, Alexei Gvishiani, Eric Kihn 502-MON-P1700-0459

BEHAVIOUR OF THE QUIET DAY GEOMAGNETIC VARIATION AT LIVINGSTON ISLAND AND VARIABILITY OF THE SQ FOCUS POSITION IN THE SOUTH AMERICAN-ANTARCTIC PENINSULA REGION

J. MIQUEL TORTA, Santiago Marsal, Juan J. Curto, Luis R. Gaya-Piqué 502-MON-P1700-0487

MODERNIZATION OF GEOPHYSICAL COMPLEX OF ISTP RAS SB FOR MONITORING OF ELECTROMAGNETIC FIELDS AT HIGH AND MIDDLE LATITUDES

RAVIL A. RAKHMATULIN 502-MON-P1700-0589

THE MAGNETIC OBSERVATORY OF COIMBRA (COI): INSTRUMENTATION, OBSERVATORY PRACTICE AND DATA QUALITY EVALUATION

PAULO RIBEIRO 502-MON-P1700-0628

THE DIGITISATION OF OBSERVATORY MAGNETOGRAMS

ELLEN CLARKE, Simon Flower, Thomas Humphries, Robert McIntosh, Fergus MacTaggart, Brian McIntyre, Nicola Owenson, Keith Henderson, Elizabeth Mann, Kenneth Mackenzie, Simon Piper, Louise Wilson and Richard Gillanders 502-MON-P1700-0715

MORPHOLOGICAL ANALYSIS OF GEOMAGNETIC FIELD THROUGH WAVELET PROCESSING

LAURENTIU ASIMOPOLOS, Agata Monica Pestina 502-MON-P1700-0791

ONE EIGHTH OF THE GLOBE - THE NEW ZEALAND GEOMAGNETIC PROGRAMME

TONY HURST 502-MON-P1700-0753

COMPARISON OF MAGNETOMETER SYSTEMS AT THE NCK OBSERVATORY

Viktor Wesztergom, ANDRÁS KOPPÁN 502-MON-P1700-0812

STUDY OF THE PRACTICAL TECHNOLOGY ABOUT GEOMAGNETIC ABNORMAL PHENOMENA TRACKING

WANG XIAOMEI, Teng Yuntian, Wang Xizhen, Wang Chen, Wu Qiong 502-MON-P1700-0817

A NEW APPROACH TO THE HOURLY MEAN COMPUTATION PROBLEM WHEN DEALING WITH MISSING DATA

S. Marsal, JUAN JOSÉ CURTO 502-MON-P1700-0788

THE PLAN OF THE SECOND PHASE OF MERIDIAN PROJECT

X.Z. WANG, Y.T. Teng, D.M. Yang, X.M. Wang 502-MON-P1700-0959

NEW GEOMAGNETIC OBSERVATORY INSTALLATION IN CHEONGYANG BY KOREA METEOROLOGICAL ADMINISTRATION

PO GYU PARK, Wan-Seop Kim, Myeong Son Yu, Bok Su Jang, June Chune Park, Hyeon Lee, Mutaek Lim, Byungwook Kwak 502-MON-P1700-0977

QUALITY CONTROL PROCEDURES AT THE WORLD DATA FOR GEOMAGNETISM (EDINBURGH)

502-MON-P1700-1167

Ewan Dawson, SARAH REAY, Susan Macmillan, Simon Flower, Tom Shanahan

THE PERMANENT MAGNETIC OBSERVATORY OF CONCORDIA STATION (DOMEC, ANTARCTICA)

502-MON-P1700-1156

AUDE CHAMBODUT, Domenico di Mauro, Jean-Jacques Schott, Lili Cafarella, Stefania Lepidi

THE OPERATION OF THE CHINESE DIGITAL MAGNETIC NETWORK AND SOME NEW FINDS

502-MON-P1730-0766

YANG DONGMEI, Zhu Rong, Yang Fuxi

Evening Programmes:

*Opening Ceremony and -Party
Main Square*

19:00-19:45 *Opening Ceremony and Presentation of IAGA Awards*

19:45- 20:15 *Folk Dance Group*

20:15-22:00 *Live music*

Your IAGA 2009 Badge and your special "Opening Ceremony Ticket" (which you obtained at the Registration Desk) make you in the Main Square eligible for a wine glass (from 5 pm), then during the evening two glasses of wine, mineral water and two local bean cakes.

IAGA
11th Scientific Assembly
23–30 August 2009
Sopron (Hungary)
www.iagaz2009sopron.hu

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Tuesday, 25 August

Block 1. 08:30–10:00

I.03 Continental lithospheric formation and deformation

In honour of Toni Ádám's 80th anniversary

Auditorium Green

Chaired by: **Alan G. Jones**

08:30	PHYSICAL PROPERTIES OF SOUTHERN AFRICA LITHOSPHERE: COMPARISON OF SEISMIC AND ELECTRICAL PARAMETERS <i>ALAN G JONES, Stewart Fishwick, Mark R. Muller, and the SAMTEX TEAM</i>	103-TUE-00830-1303
08:45	THE LITHOSPHERE OF SOUTHERN AFRICA DEDUCED BY THE SAMTEX EXPERIMENT <i>ALAN G JONES and the SAMTEX TEAM</i>	103-TUE-00845-1305
09:00	GEOELECTRIC STRUCTURE OF THE TESZ: PROGRESS REPORT ON THE EMTESZ-POMERANIA PROJECT <i>H. Brasse, V. Cerv, T. Ernst, W. Jozwiak, N. Palshin, L. Pedersen, Iv. VARENTSOV and EMTESZ-Pomerania WG</i>	103-TUE-00900-0992
09:15	MAGNETO-DEFORMATION ANALYSIS OF GREAT CAIRO, EGYPT <i>M. Abdel-Monem, MAHMOUD MEKKAWI, S. Mahmoud, A. Rayan</i>	103-TUE-00915-0081
09:30	SEISMIC ACTIVITY, CRUSTAL HIGH CONDUCTIVITY AND THE ROLE OF CARBON DURING SHEAR DEFORMATION <i>PAUL W.J. GLOVER, Antal Ádám</i>	103-TUE-00930-0787
09:45	JOINT INVERSION OF MAGNETOTELLURIC AND SURFACE WAVE DATA IN AN ANISOTROPIC LAYERED EARTH <i>Estelle Roux, ALAN G. JONES, Max Moorkamp</i>	103-TUE-00945-1299

I.11 Developments in magnetic anisotropy

Auditorium Bourdon

Chaired by: **Ann M. Hirt**

08:30	ANISOTROPY OF MAGNETIC SUSCEPTIBILITY IN VARIABLE LOW-FIELDS: I A REVIEW <i>FRANTIŠEK HROUDA</i>	111-TUE-00830-0669
09:00	RELIABILITY OF AMS IN A PARAMAGNETIC GRANITE, COMPARISON WITH IMAGE ANALYSES, QUARTZ CPO AND LT-AMS (MARIMANHA, PYRENEES) <i>BELÉN OLIVA-URCIA, Antonio M. Casas, Teresa Román-Berdiel and Elisabetta Mariani</i>	111-TUE-00900-0120
09:15	MAGNETIC ANISOTROPY OF TERTIARY GRANITOIDS FROM THE VARDAR ZONE (KOPAONIK AREA, SERBIA) <i>VESNA LESIĆ, Emő Márton, Vesna Cvetkov, Dragana Tomić</i>	111-TUE-00915-0112
09:30	THE RELATIONSHIP BETWEEN CHEMISTRY, TEXTURE AND ANISOTROPY OF MAGNETIC SUSCEPTIBILITY FOR A SET OF CALCITE MYLONITES <i>BJARNE S. G. ALMQVIST, Marco Herwegh, Volkmar Schmidt, Thomas Pettke, Ann M. Hirt</i>	111-TUE-00930-0675
09:45	Discussion	

II.03 Long-term changes in the mesosphere, thermosphere and ionosphere

Theatre

Chaired by: **Alexey D. Danilov**

08:30	LONG-TERM TRENDS IN THE UPPER ATMOSPHERE - RECENT PROGRESS I <i>JAN LASTOVICKA</i>	203-TUE-00830-0027
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IAGA
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TUESDAY
25 August

09:00	EXPECTED TRENDS IN THE GEOMAGNETIC SQ FIELD DUE TO SECULAR CHANGES IN THE EARTH'S MAGNETIC FIELD <i>ANA G. ELIAS, Marta Zossi de Artigas</i>	203-TUE-00900-0063
09:15	ANALYSIS OF SOLAR CYCLE DEPENDENCE OF CHEMICAL HEATING RATES <i>Catrin Lehmann, Martin Kaufmann, PETER PREUSSE, Martin Riese</i>	203-TUE-00915-1108
09:30	IMPACT OF NATURAL ATMOSPHERIC VARIABILITY ON VALIDATION <i>VERENA KOPP, Sabine Wüst, Michael Bittner</i>	203-TUE-00930-0808
09:45	LONG-TERM VARIATIONS OF THE TWEED REFLECTION HEIGHT DURING THE SOLAR CYCLE 21 <i>HIROYO OHYA, Kazuo Shiokawa, Yoshizumi Miyoshi</i>	203-TUE-00945-0503
III.05 The plasma sheet-ionosphere, a coupled system: Sinks, sources, transport and the role of Region 2 currents Educator's Hall Chaired by: Sorin Zaharia		
08:30	GEOMAGNETIC ACTIVITY DEPENDENCE OF O+ IN TRANSIT FROM THE IONOSPHERE <i>WILLIAM K. PETERSON and S.R. Elkington</i>	305-TUE-00830-0414
09:00	SUBSTORM ENTROPIES <i>SIMON WING</i>	305-TUE-00900-0083
09:15	THE ROLE OF ENTROPY IN PLASMA SHEET TRANSPORT <i>JOACHIM BIRN, Karl Schindler, Michael Hesse</i>	305-TUE-00915-1208
09:45	NORTHWARD IMF PLASMA SHEET ENTROPIES <i>JAY R. JOHNSON and Simon Wing</i>	305-TUE-00945-0928
III.07 Wave and particle dynamics in the ring current and radiation belts/geomagnetic storms LFCCC Petőfi Chaired by: Jacob Bortnik, Sasha Ukhorskiy		
08:30	RELATIONSHIP OF THE VAN ALLEN RADIATION BELTS TO SOLAR WIND DRIVERS <i>Mary Hudson, Brian Kress, Hans Mueller, Thiago Brito, Feifei Chu, Yuri Shprits</i>	307-TUE-00830-1357
09:00	SOLAR WIND DENSITY INFLUENCE ON THE EFFICIENCY OF RING CURRENT RESPONSE TO A GIVEN SOLAR WIND ELECTRIC FIELD <i>ROBERT WEIGEL</i>	307-TUE-00900-1241
09:15	OBSERVED VARIATIONS OF EARTH'S RADIATION BELT INTENSITIES ON ANNUAL AND SOLAR CYCLE TIME SCALES <i>DANIEL N. Baker and S.G. Kanekal</i>	307-TUE-00915-0457
09:30	ENERGETIC ELECTRON PRECIPITATIONS NEAR THE OUTER BOUNDARY OF ELECTRON RADIATION BELT DURING MINIMUM OF SOLAR ACTIVITY: FIRST RESULTS OF CORONAS- FOTON SATELLITE OBSERVATIONS <i>Irina Myagkova, E. E. Antonova, Yu. I. Denisov, A. V. Bogomolov, L. I. Starostin</i>	307-TUE-00930-0257
09:45	POST STORM TRAPPED ENERGETIC ELECTRON FLUX ENHANCEMENT AND DECAY <i>J. F. Fennell, S. Kanekal, and J. L. Roeder</i>	307-TUE-00945-0552
IV.01 New solar and interplanetary results LFCCC Liszt Chaired by: Spiros Patsourakos		
08:30	THREE-DIMENSIONAL MAGNETIC RECONNECTION <i>CLARE PARNELL</i>	401-TUE-00830-0532
09:00	POLAR CORONAL JETS IN THE FAST SOLAR WIND <i>MARI PAZ MIRALLES</i>	401-TUE-00900-1307
09:15	MAGNETIC RECONNECTION IN SOLAR ATMOSPHERE OBSERVED BY HINODE <i>SHINSUKE IMADA, Hinode Team</i>	401-TUE-00915-0871

09:45	MODELING UV EMISSION AND ION CHARGE STATES IN THE POST-CME CURRENT SHEET <i>Yuan-Kuen Ko, John C. Raymond, Bojan Vrsnak</i>	401-TUE-00945-0555
IV.02 From micro- to macro-scales in the heliosphere and magnetospheres LFCCC Széchenyi Chaired by: Gary P. Zank		
08:30	COUPLING BETWEEN EXTERNAL AND INTERNAL SCALES IN THE POWER LAW TURBULENCE OF THE SOLAR ATMOSPHERE AND THE HELIOSPHERE <i>IGOR S. VESELOVSKY</i>	402-TUE-00830-0136
09:00	THE INTERACTIONS BETWEEN ALFVEN WAVES AND PERPENDICULAR SHOCKS <i>Quanming Lu, Qiang Hu and Gary P. Zank</i>	402-TUE-00900-0076
09:30	CROSS-SCALE COUPLING AT A COLLISIONLESS SHOCK <i>TAKAYUKI UMEDA, Masahiro Yamao, and Ryo Yamazaki</i>	402-TUE-00930-0604
09:45	PARTICLE ACCELERATION AT PERPENDICULAR SHOCKS: THE ROLE OF FIELD LINE TOPOLOGY <i>JÓZSEF KÓTA</i>	402-TUE-00945-0734
V.05 Improved modelling of the lithospheric magnetic field Pannonia Chaired by: Erwan Thebault		
08:30	COMPARISON OF DATA SETS OF WDMAM 2007 <i>JUHA KORHONEN</i>	505-TUE-00830-1211
08:45	A SPACE-TIME CONSISTENT NATIONAL AIRBORNE GEOMAGNETIC MAP OF ROMANIA <i>LUCIAN BESUTIU, Luminita Zlăgnea, Ligia Atanasiu, Valentin Sgârciu, Mădălin Vlad, Ioan Stelea, Gabriela Cucu, Andrei Soare, Marian Ivan, Bogdan Niculescu</i>	505-TUE-00845-0241
09:00	REVISION OF GLOBAL MARINE MAGNETIC DATA SET <i>TAKEMI ISHIHARA, Manuel Catalán</i>	505-TUE-00900-0526
09:15	FIRST RESULTS FROM THE AEROMAGNETIC SURVEY OF THE ARCTIC <i>JOSE M. G. MERAYO, Thorbjørn H. Christensen, Peter Brauer, Rene Forsberg, Fritz Primdahl, Jens Emil Nielsen, Arne Vestergaard Olesen</i>	505-TUE-00915-0943
09:30	IMAGING EARTH'S CRUSTAL MAGNETIC FIELD WITH SATELLITE DATA: A REGULARISED SPHERICAL TRIANGLE TESSELLATION APPROACH <i>CHRIS FINLAY, Reto Stockmann and Andrew Jackson</i>	505-TUE-00930-1006

Coffee Break (10:00-10:30)

LFCCC First Floor, Theatre First Floor, Pannonia, Aula

Block 2. 10:30–12:00

I.03 Continental lithospheric formation and deformation
In honour of Toni Ádám's 80th anniversary
Auditorium Green
Chaired by: **Alan G. Jones**

10:30	CHARACTERISTICS OF THE ELECTRIC CONDUCTORS IN THE LITHOSPHERE OF THE PANNONIAN BASIN <i>ANTAL ÁDÁM, Attila Novák, László Szarka</i>	103-TUE-P1030-0034
10:35	MAGNETOVARIAIONAL RESULTS AS A TOOL TO CHECK DISTORTION DIAGNOSTICS IN MAGNETOTELLURIC CURVES. A STUDY IN ARGENTINA <i>ENRIQUE BORZOTTA</i>	103-TUE-P1035-0095
10:40	ABOUT CORRELATION BETWEEN MODERN DEFORMATION FIELD AND DEEP GEOELECTRIC STRUCTURE OF THE CENTRAL TIEN SHAN ACCORDING TO GPS AND MT DATA <i>ANATOLY RYBIN and Alexander Kostuk</i>	103-TUE-P1040-0271
10:45	STOCHASTIC INVERSION OF THE CONDUCTANCE AT THE EASTERN MARGIN OF THE BOHEMIAN MASSIF <i>VACLAV. CERV, Michelle Menvielle, Josef Pek</i>	103-TUE-P1045-0701
10:50	REFERENCE PROFILE AND ELECTRICAL CONDUCTIVITY OF THE UPPER MANTLE BENEATH CRATONS <i>NIKOLAY PALSHIN and Maxim Smirnov</i>	103-TUE-P1050-0786
10:55	EMPLACEMENT OF BANKURA ANORTHOSITE WITHIN CHHOTANAGPUR GRANITE GNEISS COMPLEX, EASTERN INDIA: APPLICATION OF AMS STUDY <i>ALOKESH CHATTERJEE</i>	103-TUE-P1055-0799
11:00	UPPER MANTLE STRUCTURES BENEATH CENTRAL EUROPE: FROM FIRST ANTAL ADAM'S RESULTS TO RECENT ONES <i>VLADIMIR SEMENOV, Waldemar Jozwiak</i>	103-TUE-P1100-0803
11:05	MAGNETOTELLURICS, GRAVITY AND GEOID IN SOUTH SAO FRANCISCO CRATON, BRAZIL: GEOPHYSICAL INDICATORS OF CRATONIC LITHOSPHERE REJUVENATION AND CRUSTAL UNDERPLATING <i>Luis G.R. Pinto, Marcelo B. Padua, Naomi Ussami, Icaro Vitorello, ANTONIO L. PADILHA, Carla Braitenberg</i>	103-TUE-P1105-0813
11:10	GEOELECTRIC PARAMETERS OF THE EARTH CRUST AT THE SOUTH-WEST MARGIN OF THE EAST-EUROPEAN PLATFORM IN UKRAINE <i>SVETLANA KOVÁČIKOVÁ, Josef Pek, Igor Logvinov, Victor Tarasov</i>	103-TUE-P1110-0828

I.11 Developments in magnetic anisotropy
Auditorium Bourdon
Chaired by: **Ann M. Hirt**

10:30	RT-AMS AND LT-AMS OF APTIAN BLACK MARLS IN THE NORTH-PYRENEAN BASIN, FRANCE. REINFORCEMENT OF THE EXTENSIONAL FABRIC DURING COMPRESSION? <i>BELÉN OLIVA-URCIA, Teresa Román-Berdiel, Antonio M. Casas, Emilio L. Pueyo</i>	111-TUE-01030-0047
10:45	VERTICAL VARIATION OF AMS ALONG SELECTED BASALT FLOW PROFILES, XITL VOLCANO, MEXICO: ZONE-LAYER RECOGNITION BY MAGNETIC FABRIC <i>CECILIA I. CABALLERO-MIRANDA, Luis M. Alva-Valdivia, J. Antonio González-R.</i>	111-TUE-P1045-0936
10:50	USES OF ANISOTROPY OF MAGNETIC SUSCEPTIBILITY IN THE STUDY OF EMPLACEMENT PROCESSES OF LAVA FLOWS AND DYKES <i>EDGARDO CAÑÓN-TAPIA</i>	111-TUE-P1050-0874

10:55	MAGNETIC ANISOTROPY OF THE ZONE OF TERTIARY GRANITOIDS AT THE SOUTHERN MARGIN OF THE PANNONIAN BASIN (SERBIA) <i>VESNA CVETKOV, Emő Márton, Vesna Lesić, Dragana Tomić</i>	111-TUE-P1055-0564
11:00	MINERAL TEXTURAL STUDY BY AMS AND ITS APPLICATION ON TRACK OF PALEO-CIRCULATION IN DOLOMITIZED FORMATION <i>MOURAD ESSALHI, Stanislas Sizaret, Luc Barbanson And Yan Chen</i>	111-TUE-P1100-1353
11:05	ANISOTROPY OF MAGNETIC SUSCEPTIBILITY OF TRIASSIC RED BEDS FROM THE CONRRIA FORMATION, CENTRAL PORTUGAL <i>Armando L. Gomes, HELENA SANT'OVAIA, Armando L. Rocha</i>	111-TUE-P1105-1250
11:10	AMS LINEATIONS AND THE ORIENTATION OF STRESS AXES DURING EARLY AND MIDDLE MIOCENE IN THE TRANSDANUBIAN RANGE, HUNGARY <i>MIHÁLY PETHE, Emő Márton, Péter Márton</i>	111-TUE-P1110-0867
11:15	MAGNETIC FABRICS AND ROCK-MAGNETISM STUDIES OF EARLY-LATE CRETACEOUS MAFIC DIKE SWARMS FROM UBATUBA (SAO PAULO STATE, BRAZIL): PRELIMINARY RESULTS <i>M. IRENE B. RAPOSO, Igor J. S. Mello and Thelma S. Berquó</i>	111-TUE-P1115-0743
11:20	AMS FABRICS AND FLUID INCUSION PLANES RELATIONS IN GRANITES FROM NORTHERN PORTUGAL: PRELIMINARY INSIGHT <i>HELENA SANT'OVAIA, Armanda Dória</i>	111-TUE-P1120-1165
11:25	MAGNETIC AND AMS PROPERTIES OF THE SEDIMENTARY COVER IN THRUST UNITS COMPARED WITH TECTONIC STRAIN: THE NICE AND CASTELLANE ARCS, SE FRANCE <i>LIONEL SONNETTE, Jacques Angelier, Jean-François Stéphan, Pierre Rochette, Jérôme Gattacceca, Teh-Quei Lee, Romain Plateaux, Jean-Baptiste Dussaux</i>	111-TUE-P1125-0477
11:30	LOCAL SCALE DEFORMATION FOR DEVONIAN CARBONATES OF MORAVO-SILESIA ZONE (CZECH REPUBLIC) DERIVED FROM MAGNETIC FABRICS <i>TOMASZ WERNER, Jacek Grabowski, Petr Pruner, Petr Schnabl, Jindrich Hladil, Rostislav Melichar</i>	111-TUE-P1130-0773

II.03 Long-term changes in the mesosphere, thermosphere and ionosphere
Theatre
Chaired by: **Alexey D. Danilov**

10:30	SEPARATION OF CHEMICALLY AND DYNAMICALLY INDUCED OZONE TRENDS IN WINTERLY NORTHERN LATITUDES <i>Michael Bittner, SABINE WÜST</i>	203-TUE-01030-0893
11:00	TEMPERATURE RESPONSE TO SOLAR ACTIVITY IN THE MLT-REGION - AN UPDATE <i>GUFAN BEIG</i>	203-TUE-01100-0381
11:30	LONG-TERM TRENDS IN MIDDLE ATMOSPHERE DYNAMICS AT NORTHERN MIDDLE LATITUDES <i>Jan LASTOVICKA, Peter Krizan, Michal Kozubek</i>	203-TUE-01130-0028

III.05 The plasma sheet-ionosphere, a coupled system: Sinks, sources, transport and the role of Region 2 currents
Educator's Hall
Chaired by: **Hermann Lühr**

10:30	TRANSPORT PROCESSES OF PLASMA SHEET PROTONS OF DIFFERENT ENERGIES AND THE RESULTING DISTRIBUTIONS OF ENTROPY AND PARTICLE CONTENT <i>CHIH-PING WANG, Larry R. Lyons, Richard A. Wolf, Tsugunobu Nagai, James M. Weygand, A. T. Y. Lui</i>	305-TUE-01030-0573
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11:00	PHYSICS OF REGION-2 CURRENTS I <i>RICHARD WOLF</i>	305-TUE-01100-0869
11:30	EFFECT OF THE TAIL PLASMA SHEET CONDITIONS ON THE PENETRATION OF THE CONVECTION ELECTRIC FIELD IN THE INNER MAGNETOSPHERE: THE RCM SIMULATIONS <i>GKIOULIDOU MATINA, Chih-Ping Wang, Larry R. Lyons, Richard A. Wolf</i>	305-TUE-01130-0184
11:45	PFISR OBSERVATIONS OF THE MAGNETOSPHERE-IONOSPHERE COUPLING ELECTRODYNAMICS OF THE EARTHWARD PENETRATING PLASMA SHEET FOLLOWING CONVECTION ENHANCEMENTS <i>LARRY LYONS, Sha Zou, Chih-Ping Wang, Matina Gkioulidou, Craig Heinselman, Mike Nicolls and Phil Anderson</i>	305-TUE-01145-0429
III.07 Wave and particle dynamics in the ring current and radiation belts/geomagnetic storms LFCCC Petőfi Chaired by: Jacob Bortnik, Sasha Ukhorskiy		
10:30	SELF-CONSISTENT SIMULATIONS OF PLASMA WAVE INSTABILITIES IN THE RING CURRENT <i>VANIA K. JORDANOVA</i>	307-TUE-01030-0553
11:00	GAP-FILLING OF SOLAR WIND DATA BY SINGULAR SPECTRUM ANALYSIS <i>DMIRTI KONDRASHOV, Yuri Shprits</i>	307-TUE-01100-0797
11:15	SPATIAL PROFILES OF RELATIVISTIC ELECTRON PHASE SPACE DENSITY: SCATHA OBSERVATIONS AT CONSTANT FIRST AND SECOND ADIABATIC INVARIANT <i>JAMES L. ROEDER, and J. F. Fennell</i>	307-TUE-01115-0556
11:30	DYNAMIC EVOLUTION OF THE OUTER RADIATION BELT PHASE SPACE DENSITY <i>YURI SHPRITS, Bibin Ni, Reiner Friedel, Yue Chen, Dmitri Kondrashov, Dmitri Subbotin, Geoff Reeves, Michael Ghil, Richard Thorne, Tsugunobu Nagai</i>	307-TUE-01130-0736
11:45	THREE-DIMENSIONAL DIFFUSION SIMULATION OF OUTER RADIATION BELT ELECTRONS DURING THE OCTOBER 9, 1990, MAGNETIC STORM <i>JAY ALBERT</i>	307-TUE-01145-0580
IV.01 New solar and interplanetary results LFCCC Liszt Chaired by: Spiros Patsourakos		
10:30	INTERPLANETARY CORONAL MASS EJECTIONS AT SOLAR MINIMUM: STEREO OBSERVATIONS <i>EMILIA KILPUA</i>	401-TUE-01030-0449
11:00	EVALUATION AND EVOLUTION OF SPEED FOR HALO AND PARTIAL HALO CMES <i>GUADALUPE MUÑOZ MARTINEZ</i>	401-TUE-01100-1218
11:15	INFLUENCE OF EXPANSION ON MAGNETIC CLOUD FITS <i>A. LYNNYK, M. Vandas</i>	401-TUE-01115-1058
11:30	THE JANUARY 2007 CME OBSERVED WITH STEREO/SECCHI AND SOHO/LASCO AND ITS ARRIVAL AT VENUS <i>ALISSON DAL LAGO, BERND INHETER, LUIS EDUARDO ANTUNES VIEIRA</i>	401-TUE-01130-1203
IV.02 From micro- to macro-scales in the heliosphere and magnetospheres LFCCC Széchenyi Chaired by: Gary P. Zank		
10:30	REVIEW OF RADIO EMISSIONS FROM CORONAL AND INTERPLANETARY SHOCK WAVES <i>IVER H. CAIRNS</i>	402-TUE-01030-0183

11:00	SPATIAL-TEMPORAL STUDY OF HOT FLOW ANOMALIES USING CLUSTER MEASUREMENTS <i>GÁBOR FACSKÓ, Péter Kovács, Jean-Gabriel Trotignon, Adrian Blagau, Iannis Dandouras, Elisabeth Lucek</i>	402-TUE-01100-0087
11:15	IMAGING THE INTERSTELLAR NEUTRAL GAS FLOW IN EARTH'S ORBIT WITH IBEX <i>EBERHARD MÖBIUS on behalf of the entire IBEX Team</i>	402-TUE-01115-0745
11:45	INFLUENCE OF THE HELIOSPHERIC INTERFACE ON THE DISTRIBUTION OF INTERSTELLAR H ATOMS INSIDE THE HELIOSPHERE <i>OLGA KATUSHKINA, Vladislav Izmodenov</i>	402-TUE-01145-0862
V.05 Improved modelling of the lithospheric magnetic field Pannonia Chaired by: Erwan Thebault		
10:30	STRUCTURE AND TECTONICS OF THE SEISMICALLY ACTIVE KUTCH REGION, INDIA USING HIGH RESOLUTION AEROMAGNETIC DATA <i>MITA RAJARAM and Anand S. P.</i>	505-TUE-01030-0121
10:45	INTERPRETATION OF CHAMP MAGNETIC ANOMALY DATA OVER THE PANNONIAN BASIN REGION USING LOWER ALTITUDE AND GRADIENT DATA <i>PATRICK T. TAYLOR, Károly I. Kis, Sándor Pusztai, Géza Wittmann, Hyung Rae Kim</i>	505-TUE-01045-1086
11:00	IMPROVED METHODS FOR INTERPRETING MAGNETIC GRADIENT TENSOR DATA <i>DAVID CLARK</i>	505-TUE-01100-0404
11:15	AN INDUCTION - BASED MAGNETIC MODEL OF THE EUROPEAN LITOSPHERE <i>CRISAN DEMETRESCU, Venera Dobrica</i>	505-TUE-01115-0290
11:30	MAGNETIZATION MODELS DERIVED FROM HIGH RESOLUTION SATELLITE LITHOSPHERIC ANOMALY FIELDS <i>KATHRYN WHALER, Michael E. Purucker</i>	505-TUE-01130-1151

Lunchtime (12:00-13:30)

WG I-2: Auditorium Green	WG II-VERSIM: LFCCC Széchenyi
WG I-4: Auditorium Bourdon	WG V-OBS: Pannonia (Europa Hall, level 1)
WG II-C: Theatre	WG V-MOD: Pannonia (Lobby, level 1)
WG III-ULF: LFCCC Petőfi	ICH: St Ursula
WG II-F: Educator's Hall	

Block 3. 13:30–15:00

I.06 Crustal tectonic processes constrained by electromagnetic observations
In memory of Mark Berdichevsky (1923–2009)
 Auditorium Bourdon
 Chaired by: **Tirumalachetty Harinarayana**

13:30	REGIONAL MT SURVEY ACROSS AN ARCHAEO CRATON IN SOUTH AUSTRALIA - INFLUENCE OF SEDIMENTARY BASINS AND PLATE BOUNDARIES STEPHAN THIEL, <i>Graham Heinson</i>	106-TUE-01330-0595
13:45	A MAGNETOTELLURIC STUDY OF CONTINENTAL LITHOSPHERE IN THE FINAL STAGES OF BREAK-UP: AFAR, ETHIOPIA <i>Mohammednur Desissa, KATHRYN WHALER, Sophie Hautot, Graham Dawes, Shimeles Fisseha, Nicholas Johnson</i>	106-TUE-01345-1158
14:00	PICASSO PHASE I: MT INVESTIGATION OF SPAIN FROM MADRID TO THE BETICS - PRELIMINARY RESULTS AND MODELS <i>Jan-Philipp Schmoldt, ALAN G JONES, Colin Hogg and Oriol Rosell</i>	106-TUE-01400-1304
14:15	MT TOPOIBERIA: LONG PERIOD MEASUREMENTS IN THE IBERIAN MASSIF (CENTRAL SPAIN) JAUME POUS, <i>Jesús Galindo, Ana Ruiz-Constán, Wiebke Heise, Eva Asensio, Pedro Ibarra, Fernando Monteiro Santos, Antonio Pedrera, Farida Anahnah, Jorge Arzate</i>	106-TUE-01415-1191
14:30	INVESTIGATING THE CENTRAL AMERICAN VOLCANIC ARC WITH LONG-PERIOD AND BROAD-BAND MAGNETOTELLURICS HEINRICH BRASSE, <i>Lutz Mütschard, Angelica Muñoz, Guillermo Alvarado, Tamara Worzewski</i>	106-TUE-01430-1077
14:45	RECOGNITION OF CRUSTAL STRUCTURES OF MID-POLISH THROUGH BASED ON REGIONAL MAGNETOTELLURIC PROFILES MICHAL STEFANIUK	106-TUE-01445-1261

II.03 Long-term changes in the mesosphere, thermosphere and ionosphere
 Theatre
 Chaired by: **Jan Lastovicka**

13:30	F2-LAYER PARAMETERS AS A SOURCE OF INFORMATION ON TRENDS IN THERMOSPHERIC WINDS ALEXEY DANILOV	203-TUE-01330-0379
14:00	DEPENDENCE ON SOLAR ACTIVITY LEVEL OF THEORETICAL F2 LAYER TRENDS DUE TO EARTH'S MAGNETIC FIELD VARIATIONS ANA G. ELIAS	203-TUE-01400-0062
14:15	OZONE AND TEMPERATURE RESPONSE TO DECADAL SOLAR VARIABILITY OVER TROPICS SUVARNA FADNAVIS	203-TUE-01415-0023
14:30	CHARACTERISTICS OF SPORADIC SODIUM LAYERS AT 23 °S <i>DALE SIMONICH, Barclay Clemesha and Paulo Prado Batista</i>	203-TUE-01430-0827
14:45	MODELLING OF LONG-TERM ANTHROPOGENIC CHANGES IN STRATOSPHERIC TEMPERATURE AND THE OZONE LAYER <i>Igor Dyominov and ALEXANDER ZADOROZHNY</i>	203-TUE-01445-0293

III.05 The plasma sheet-ionosphere, a coupled system: Sinks, sources, transport and the role of Region 2 currents
 Educator's Hall
 Chaired by: **Larry Lyons**

13:30	GEOTAIL OBSERVATIONS OF PLASMA SHEET ION COMPOSITION OVER 16 YEARS: ON VARIATIONS OF AVERAGE PLASMA ION MASS AND SUBSTORM TRIGGERING MASAHITO NOSÉ, <i>A. IEDA, S. P. CHRISTON</i>	305-TUE-01330-0969
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13:45	OVERSHIELDING AT SUBAURORAL - EQUATORIAL LATITUDES AT THE ONSET OF SUBSTORM <i>KUMIKO K. HASHIMOTO, Takashi Kikuchi, Shin-Ichi Watari</i>	305-TUE-01345-0754
14:00	NEAR-EARTH MAGNETIC SIGNATURE OF MAGNETOSPHERIC SUBSTORMS AND AN IMPROVED SUBSTORM CURRENT MODEL <i>PATRICIA RITTER and Hermann Lühr</i>	305-TUE-01400-0486
14:30	RESPONSE OF ELECTRIC FIELDS AND REGION 2 FACS IN THE INNER MAGNETOSPHERE ASSOCIATED WITH SUBSTORM ONSET <i>YUKITOSHI NISHIMURA, Larry Lyons, Shasha Zou, Takashi Kikuchi, Vassilis Angelopoulos, and John Bonnell</i>	305-TUE-01430-0757

III.07 Wave and particle dynamics in the ring current and radiation belts/geomagnetic storms
 LFCCC Petőfi
 Chaired by: **Jacob Bortnik, Sasha Ukhorskiy**

13:30	SPATIOTEMPORAL DISTRIBUTION OF WHISTLER MODE CHORUS AND EQUATORIAL NOISE O. SANTOLIK, <i>E. Macusova, Hrbackova, D. A. Gurnett, J. S. Pickett, N. Cornilleau-Wehrin</i>	307-TUE-01330-0990
14:00	ELECTRONICAL RADIATION BELTS DYNAMIC DETERMINE BY THE HYDROMAGNETIC WAVE PETER BESPALOV	307-TUE-01400-0276
14:15	NONLINEAR MECHANISMS OF LOWER BAND AND UPPER BAND VLF CHORUS EMISSIONS IN THE MAGNETOSPHERE YOSHIHARU OMURA, <i>Mitsuru Hikishima, Yuto Katoh, Danny Summers, Satoshi Yagitani</i>	307-TUE-01415-0758
14:30	FIRST OBSERVATION LINKING THE ORIGIN OF PLASMASPHERIC HISS TO DISCRETE CHORUS EMISSIONS JACOB BORTNIK, <i>Wen Li, Richard M. Thorne, Vassilis Angelopoulos, Chris Cully, John Bonnell, Olivier Le Contel, Alain Roux</i>	307-TUE-01430-1275
14:45	RELATIVISTIC ELECTRON LOSS TIMESCALES IN THE SLOT REGION <i>NIGEL P. MEREDITH, Richard B. Horne, Sarah A. Glauert, Daniel N. Baker, Shrikanth G. Kanekal, Jay M. Albert</i>	307-TUE-01445-0668

IV.01 New solar and interplanetary results
 LFCCC Liszt
 Chaired by: **Yuan-Kuen Ko**

13:30	SOLAR WIND OBSERVATIONS FROM THE STEREO PERSPECTIVE (2007-2009) ANTOINETTE B. GALVIN	401-TUE-01330-0823
14:00	A NEW FORECASTING INDEX FOR SOLAR WIND VELOCITY BASED ON EIT 284 OBSERVATIONS BINGXIAN LUO, <i>Qiuzhen Zhong, Siqing Liu, Jiancun Gong</i>	401-TUE-01400-0663
14:15	POWER DISSIPATION THROUGH ALFVEN WAVES IN SOLAR WIND <i>ZUBIA KIRAN</i>	401-TUE-01415-0035
14:30	MULTI-SPACECRAFT STUDY OF THE GEOMETRY OF INTERPLANETARY MAGNETIC FIELD DEPRESSIONS GÉZA ERDŐS <i>and Mariella Tátrallyay</i>	401-TUE-01430-1238

IV.02 From micro- to macro-scales in the heliosphere and magnetospheres

LFCCC Széchenyi

Chaired by: **Gary P. Zank**

13:45	TOWARDS OPENGGCM 4.0: SIMULATING THE GLOBAL MAGNETOSPHERE WITH RING CURRENT, RADIATION BELTS, PLASMASPHERE, AND HALL MHD JOACHIM RAEDER, Kai Germaschewski, Amitava Bhattacharjee, Douglas Larson, Wenhi Li, Alexander Vapirev, Mei-Ching Fok, Alexander Gloer, Frank Toffoletto, Bei Hu, Anthony Chan, Timothy Fuller-Rowell, Naomi Maruyama, Arthur Richmond, Astrid Maute	402-TUE-01345-0626
14:15	AN INITIAL RESULT OF 3D FULL PARTICLE SIMULATION OF QUASI-PERPENDICULAR SHOCK IKU SHINOHARA and M. Fujimoto	402-TUE-01415-1055
14:30	3D DISTRIBUTION OF INTERSTELLAR OXYGEN ATOMS IN THE HELIOSPHERE VLADISLAV IZMODENOV, Dmitry Aleksashov, Olga Katushkina	402-TUE-01430-1115
14:45	INVESTIGATION OF STRONGLY PERTURBED HELIOSPHERIC PARAMETERS IN THE PAST BASED ON GEOMAGNETIC DATA OLESYA YAKOVCHOUK, Kalevi Mursula, Igor Veselovsky	402-TUE-01445-1155

V.03 Geomagnetic jerks and rapid core field variations

Pannonia

Chaired by: **Mioara Manda, Richard Holme**

13:30	GEOMAGNETIC JERKS - WHERE DO WE STAND? MIOARA MANDEA	503-TUE-01330-0464
13:45	GRIMM-2: A CORE MAGNETIC FIELD MODEL DERIVED UNDER FLOW CONSTRAINTS VINCENT LESUR, Ingo Wardinski, Mioara Manda	503-TUE-01345-1020
14:00	STUDY OF SHORT PERIOD GEOMAGNETIC VARIATIONS ON BASE OF MAGNETIC SATELLITE SURVEY DATA SVETLANA YAKOVLEVA, V. Golovkov and T. Zvereva	503-TUE-01400-0100
14:15	SPECTRAL ANALYSIS OF THE GEOMAGNETIC FIELD TEMPORAL VARIATIONS BEJO DUKA	503-TUE-01415-0084
14:30	RECENT GEOMAGNETIC SECULAR VARIATION CHANGES OBSERVED IN SOUTHERN AFRICA PIETER B KOTZÉ, M Manda and M Korte	503-TUE-01430-0297
14:45	REGIONAL MODELING OF THE SOUTHERN AFRICAN SECULAR VARIATION ANNE HEMSHORN, Mioara Manda, Vincent Lesur	503-TUE-01445-0852

Coffee Break 15:00-15:30

LFCCC First Floor, Theatre First Floor, Pannonia, Aula

Block 4. 15:30-17:00

I.06 Crustal tectonic processes constrained by electromagnetic observations

In memory of Mark Berdichevsky (1923-2009)

Auditorium Bourdon

Chaired by: **Tirumalachetty Harinarayana**

15:30	MAGNETOTELLURIC INVESTIGATION OF THE CENTRAL TIEN SHAN: PROFILE INTERPRETATION AND SPATIAL ANALYSIS ELENA SOKOLOVA, Mark Berdichevsky, Nina Golubtsova, Anatoly Rybin, Ivan Varentsov, Natalia Baglaenko, Vladislav Batalev, Vitaly Matukov, NARYN WG	106-TUE-01530-0910
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15:45	THE FEATURES OF GEOELECTRIC STRUCTURE OF THE TECTONOSPHERE OF AVERAGE URAL AND SURROUNDING PLATFORM AREAS OLESYA SURINA, Aza D'yakonova	106-TUE-01545-0186
16:00	INVESTIGATION OF SUMATRA FAULT BASED ON MAGNETOTELLURIC AND GPS MEASUREMENTS NURHASAN, D. Sutarno, Y. Ogawa, D. Sugiyanto, M. Irwan, F. Kimata, Takeo Ito, Agustan	106-TUE-01600-1248
16:15	MAGNETOTELLURIC INVESTIGATION IN THE EASTERN FLANK OF MT ETNA REGION: BASEMENT MORPHOLOGY AND INFERENCES ON THE FLANK INSTABILITY SIMONA TRIPALDI, Marianna Balasco, Pierpaolo Moretti, Gerardo Romano, Marco Neri and Agata Siniscalchi	106-TUE-01615-1341
16:30	TIME-DEPENDENT MODELLING OF THE ELECTRIC AND MAGNETIC FIELDS CAUSED BY FLUID FLOW IN VULCANO, ITALY Emilie Walker, PAUL W. J. GLOVER	106-TUE-01630-1008
16:45	DETECTION OF POSSIBLE TECTONOMAGNETIC SIGNALS BY USING REGIONAL GEOMAGNETIC FIELD MODELS - THE CASE OF 1995 KOBE EARTHQUAKE IN JAPAN KEN'ICHI YAMAZAKI, Shin'ya Sakanaka	106-TUE-01645-0561

II.03 Long-term changes in the mesosphere, thermosphere and ionosphere

Theatre

Chaired by: **Jan Lastovicka**

15:30	MESOSPHERIC GRAVITY WAVE ACTIVITY AT MID AND HIGH LATITUDES AND THE DEPENDENCE ON THE SOLAR CYCLE PETER HOFFMANN, Werner Singer, Jürgen Bremer, Dieter Keuer, Erich Becker, Ralph Latteck	203-TUE-01530-1062
16:00	PRESENT STATUS OF THE TOTAL OZONE OVER THE BALKAN REGION TSvetana GOGOSHEVA, Bogdana Mendea, Dimitar Krastev	203-TUE-01600-0667
16:15	IMPROVED HEIGHT AND SHARPNESS MEASUREMENTS OF THE LOWEST EDGE OF THE EARTH'S IONOSPHERE NEIL R. THOMSON	203-TUE-01615-0614
16:30	A NEW APPROACH FOR MONITORING THE 27-DAY SOLAR ROTATION USING VLF RADIO NOISE ON THE EARTH'S SURFACE Yuval Reuveni, Colin Price	203-TUE-01630-0177

III.05 The plasma sheet-ionosphere, a coupled system: Sinks, sources, transport and the role of Region 2 currents

Educator's Hall

Chaired by: **Elizaveta Antonova**

15:30	RELATION BETWEEN THE HARANG DISCONTINUITY AND SUBSTORM ONSET HERMANN LÜHR, Hui Wang and Patricia Ritter	305-TUE-01530-0860
15:45	EVOLUTION OF HIGH LATITUDE IONOSPHERIC CONVECTION ASSOCIATED WITH SUBSTORMS: SUPERDARN AND PFISR OBSERVATIONS Shasha Zou, Larry Lyons, Chih-Ping Wang, Athanasios Boudouridis, Mike Ruohoniemi, Michael Nicolls, Craig Heinselman, Philip Anderson, Stephen Mende, Peter Dyson, John Devlin	305-TUE-01545-0762
16:15	PI2 PULSATIONS: IONOSPHERE/GROUND SIGNATURES OF DYNAMIC PROCESSES IN THE PLASMA SHEET PETER SUTCLIFFE	305-TUE-01615-0778
16:45	THE ROLE OF REGION 2 FAC IN THE SUBSTORM CURRENT SYSTEM AT THE ONSET TAKASHI TANAKA	305-TUE-01645-0105

III.07 Wave and particle dynamics in the ring current
and radiation belts/geomagnetic storms
LFCCC Petőfi
Chaired by: **Jacob Bortnik, Sasha Ukhorskiy**

15:30	ELECTROMAGNETIC ION CYCLOTRON WAVES ASSOCIATED WITH PLASMA DRAINAGE PLUME GRADIENTS AND GEOMAGNETIC STORMS BRIAN J. FRASER, R. S. Grew, H. J. Singer, J. C. Green, M. F. Thomsen, R. R. Anderson	307-TUE-01530-0085
15:45	RADIATION BELT LOSSES DUE TO EMIC WAVES ALEKSANDR UKHORSKIY, Brian Anderson, Yuriy Shprits, Richard Thorne	307-TUE-01545-1199
16:00	RELATIVISTIC ELECTRON LOSSES RELATED TO PROTON PRECIPITATION AND EMIC WAVES FINN SØRAAS, Marit Sandanger, Kjell Aarsnes and Kjellmar Oksavik	307-TUE-01600-0938
16:15	PROBING THE RELATIONSHIP BETWEEN EMIC WAVES AND PLASMASPHERIC DRAINAGE PLUMES NEAR GEOSYNCHRONOUS ORBIT MARK ENGBRETSON, Jennifer Posch, Michael Murphy, Marc Lessard, Michael Denton, Richard Horne	307-TUE-01615-0913
16:30	RADIATION BELT PRECIPITATION DUE TO MAN-MADE VLF TRANSMISSIONS: SATELLITE OBSERVATIONS RORY GAMBLE, Craig Rodger, Bonar Carson, Mark Clilverd, Neil Thomson, Simon Stewart, Robert McCormick, Michel Parrot, Jean-Andre Sauvaud, Jean-Jacques Berthelier	307-TUE-01630-0256
16:45	CONTROLLED MAGNETOSPHERIC WAVE INJECTION USING THE HAARP IONOSPHERIC HEATER MAREK GOŁKOWSKI, Umran S. Inan, Morris. B. Cohen	307-TUE-01645-0455

IV.01 New solar and interplanetary results
LFCCC Liszt
Chaired by: **Yuan-Kuen Ko**

15:30	FIRST RESULTS FROM THE INTERSTELLAR BOUNDARY EXPLORER (IBEX) I DAVID J. MCCOMAS	401-TUE-01530-0725
16:00	GROUND-BASED THERMAL NEUTRONS OBSERVATIONS EKATERINA SIGAEVA, Oleg Nechaev, Artem Barkov	401-TUE-01600-0331
16:15	OSCILLATIONS OF SOLAR AND LUNAR ORIGIN IN SPACED MEASUREMENTS OF THE SOLAR WIND PARAMETERS AT NEAR EARTH ORBIT TAMARA KUZNETSOVA	401-TUE-01615-0234
16:30	MONITORING OF TURBULENCE UPSTREAM AND DOWNSTREAM OF THE BOW SHOCK USING THE CLUSTER OBSERVATIONS PÉTER KOVÁCS, Balázs Heilig, András Csontos	401-TUE-01630-0338
16:45	DIFFUSE ION E-FOLDING DISTANCE AND DIFFUSION COEFFICIENT DEPENDENCE ON DIFFERENT SOLAR WIND PLASMA CONDITIONS: NEW RESULTS ARPAD KIS, M. Scholer, B. Klecker, E. A. Lucek, H. Rème	401-TUE-01645-0326

IV.02 From micro- to macro-scales in the heliosphere and magnetospheres
LFCCC Széchenyi
Chaired by: **Gary P. Zank**

15:30	Discussion	
16:00	POSSIBLE NEW SOURCE OF THE HELIOSPHERIC ENAS: INTERSTELLAR PICKUP PROTONS Yury Malama, VLADISLAV IZMODENOV, Sergey Chalov	402-TUE-P1600-1126

V.03 Geomagnetic jerks and rapid core field variations
Pannonia
Chaired by: **Mioara Manda, Richard Holme**

15:30	GEOMAGNETIC JERKS SEEN IN HISTORICAL DECLINATION AT MUNICH MONIKA KORTE, Mioara Manda and Jürgen Matzka	503-TUE-01530-0717
15:45	GEOMAGNETIC SECULAR VARIATION VIOLATING THE FROZEN-FLUX CONDITION AT THE CORE SURFACE SEIKI ASARI, Vincent Lesur, Mioara Manda	503-TUE-01545-0491
16:00	ACCOUNTING FOR RAPID SV CHANGES WITH QUASI-GEOSTROPHIC CORE FLOWS DOMINIQUE JAULT, Nathanael Schaeffer, Nicolas Gillet, Alexandra Pais	503-TUE-01600-1346
16:15	FLUID FLOW NEAR THE EARTH'S CORE SURFACE DERIVED FROM GEOMAGNETIC FIELD MODELS MASAKI MATSUSHIMA, Futoshi Takahashi, Yoshimori Honkura	503-TUE-01615-0970
16:30	MANTLE ELECTRICAL CONDUCTIVITY AND GEOMAGNETIC JERKS: DATA ANALYSIS, FORWARD AND INVERSE PROBLEMS K. PINHEIRO, A. Jackson, J. Velimský	503-TUE-01630-0350
16:45	NEW INSIGHTS FOR GEOMAGNETIC JERKS FROM ANALYSIS OF VARIATIONS IN LENGTH OF DAY RICHARD HOLME, Olivier de Viron	503-TUE-01645-1148

Poster Session 17:00–19:00

Local wine is served in Aula and Lyceum Courtyard between 17:30 and 19:00

I.03 Continental lithospheric formation and deformation
Aula
Chaired by: **Alan G. Jones**

17:00	CHARACTERISTICS OF THE ELECTRIC CONDUCTORS IN THE LITHOSPHERE OF THE PANNONIAN BASIN ANTAL ÁDÁM, Attila Novák, László Szarka	103-TUE-P1030-0034
	MAGNETOVARIAIONAL RESULTS AS A TOOL TO CHECK DISTORTION DIAGNOSTICS IN MAGNETOTELLURIC CURVES. A STUDY IN ARGENTINA ENRIQUE BORZOTTA	103-TUE-P1035-0095
	ABOUT CORRELATION BETWEEN MODERN DEFORMATION FIELD AND DEEP GEOELECTRIC STRUCTURE OF THE CENTRAL TIEN SHAN ACCORDING TO GPS AND MT DATA ANATOLY RYBIN and Alexander Kostuk	103-TUE-P1040-0271
	STOCHASTIC INVERSION OF THE CONDUCTANCE AT THE EASTERN MARGIN OF THE BOHEMIAN MASSIF VACLAV. CERV, Michelle Menvielle, Josef Pek	103-TUE-P1045-0701
	REFERENCE PROFILE AND ELECTRICAL CONDUCTIVITY OF THE UPPER MANTLE BENEATH CRATONS Nikolay Palshin and Maxim Smirnov	103-TUE-P1050-0786
	EMPLACEMENT OF BANKURA ANORTHOSITE WITHIN CHHOTANAGPUR GRANITE GNEISS COMPLEX, EASTERN INDIA: APPLICATION OF AMS STUDY ALOKESH CHATTERJEE	103-TUE-P1055-0799
	UPPER MANTLE STRUCTURES BENEATH CENTRAL EUROPE: FROM FIRST ANTAL ADAM'S RESULTS TO RECENT ONES Vladimir Semenov, Waldemar Jozwiak	103-TUE-P1100-0803

	MAGNETOTELLURICS, GRAVITY AND GEOID IN SOUTH SAO FRANCISCO CRATON, BRAZIL: GEOPHYSICAL INDICATORS OF CRATONIC LITHOSPHERE REJUVENATION AND CRUSTAL UNDERPLATING <i>Luis G.R. Pinto, Marcelo B. Padua, Naomi Ussami, Icaro Vitorello, ANTONIO L. PADILHA, Carla Braitenberg</i>	103-TUE-P1105-0813
	GEOELECTRIC PARAMETERS OF THE EARTH CRUST AT THE SOUTH-WEST MARGIN OF THE EAST-EUROPEAN PLATFORM IN UKRAINE <i>SVETLANA KOVÁČIKOVÁ, Josef Pek, Igor Logvinov, Victor Tarasov</i>	103-TUE-P1110-0828
	I.06 Crustal tectonic processes constrained by electromagnetic observations <i>In memory of Mark Berdichevsky (1923–2009)</i> Aula Chaired by: Tirumalachetty Harinarayana	
17:00	ULF MAGNETIC ACTIVITY STUDY IN SICHUAN SEISMO-ACTIVE REGION, CHINA <i>Fedir Dudkin, VALERY KOREPANOV, Olha Leontyeva, Qi Li, Dongmei Yang</i>	106-TUE-P1700-0156
	THE STUDY OF RELATION BETWEEN THE GEOMAGNETIC ZERO ISOPORIC ZONE PHENOMENON AND EARTHQUAKES WITH $M_s \geq 6.0$ IN CHINA <i>SUQIN ZHANG, Dongmei Yang, Qi Li</i>	106-TUE-P1700-0185
	CASE STUDY OF THE TEC ANOMALY OBSERVED BEFORE THE NEW ZEALAND EARTHQUAKE OF NOV. 22, 2004 USING NUMERICAL MODELING <i>OLEG V. ZOLOTOV, Alexander A. Namgaladze, Oleg V. Martynenko, Boris E. Prokhorov</i>	106-TUE-P1700-0199
	ELECTRICAL RESISTIVITY IMAGING OF SEISMICALLY ACTIVE FRONTAL HIMALAYA <i>GAUTAM RAWAT and B.R.Arora</i>	106-TUE-P1700-0294
	2D GEO-ELECTRIC STRUCTURE ACROSS VOLCANIC PLUGS IN JUNAGADH AREA OF SAURASHTRA USING MAGNETOTELLURICS <i>DURBHAKULA N. MURTHY, M. Someswara Rao, K. Veeraswamy, T. Harinarayana</i>	106-TUE-P1700-0321
	MAGNETOTELLURIC DELINEATION OF DEEP GEOELECTRIC STRUCTURE ACROSS SATPURA MOBILE BELT AND ITS TECTONOMAGMATIC IMPLICATIONS <i>K. VEERASWAMY, D. N. Murthy, T. Harinarayana</i>	106-TUE-P1700-0330
	SOURCE MODELING OF THE 1999 TAIWAN (CHI CHI) ARTHQUAKE DERIVED FROM GEOMAGNETIC INDUCTION VECTORS <i>KUANG-JUNG CHEN, Bonbbon Chiu, Cheng-Yu Lee, Cheng-Horng Lin and Kevin Chao</i>	106-TUEP1700-0365
	ELECTRICAL CONDUCTIVITY IMAGING OF CRUSTAL STRUCTURES IN NORTHERN VICTORIA LAND, ANTARCTICA <i>EMANUELE BOZZO, Egidio Armadillo, Marco Gambetta</i>	106-TUE-P1700-0409
	DEEP CRUSTAL STUDIES IN ANTARCTICA USING WIDE BAND MAGNETOTELLURIC METHOD <i>S. PRABHAKAR E.RAO, T. Harinarayana and Sharana Basava</i>	106-TUE-P1700-0433
	MAGNETIC AND TOPOGRAPHIC STUDIES ON THE MAIN CRATER LAKE OF TAAL VOLCANO, PHILIPPINES <i>Makoto Harada, YOICHI SASAI, Julio P. Sabit, Juan M. Cordon Jr., Jacques Zlotnicki, Jaime Sincioco, Yoshikazu Tanaka, Toshiyasu Nagao</i>	106-TUE-P1700-0541
	MAGNETIC CHANGES PRIOR TO THE SUMMIT COLLAPSE OF MIYAKE-JIMAS VOLCANO (JULY 8, 2000) REVISITED <i>YOICHI SASAI, Ikuko Fujii, Jacques Zlotnicki, Makoto Uyeshima</i>	106-TUE-P1700-0543
	DIRECT MAGNETIC SIGNALS FROM EARTHQUAKE FAULTING: IWATE-MIYAGI EATRTHQUAKE OF M 7.2, JAPAN <i>Kan Okubo, Nobunao Takeuchi, Mitsuru Utsugi, Kiyofumi Yumoto, YOICHI SASAI</i>	106-TUE-P1700-0544

	MAGNETOTELLURIC MONITORING EXPERIMENT AT THE NORTHERN TIEN SHAN SEISMOGENIC ZONE <i>ANATOLY RYBIN, Vladislav Batalev, Elena Bataleva, Vitaly Matukov</i>	106-TUE-P1700-0600
	MAGNETOTELLURIC STUDY OF PARINACOTA AND LASCAR VOLCANOES, CENTRAL ANDES <i>DANIEL DIAZ, Dirk Brändlein, Heinrich Brasse</i>	106-TUE-P1700-0623
	ELECTROMAGNETIC, GEOCHEMICAL AND THERMAL ANOMALIES RELATED TO THE HYDROTHERMAL ACTIVITY OF TAAL VOLCANO (PHILIPPINES) <i>Jacques Zlotnicki, J. P. Toutain, Y. Sasai, E.U. Villacorte, M. Harada, A. Bernard, P. Yvetot, F. Fauquet, F. Sortino, PHIVOLCS EM Team, T. Nagao, and R. Solidium</i>	106-TUE-P1700-0640
	EM STUDIES IN CORINTH GULF SEISMIC GAP (GREECE) <i>JACQUES ZLOTNICKI, A. Gvishiani, S.Bogoutdinov, Li Feng, R. Sinha, V. Vargemezis, P. Yvetot, F. Fauquet, P. Bernard, J. L. Le Mouél</i>	106-TUE-P1700-0641
	MAGNETOTELLURIC FIELD ANOMALIES AND THE SECOND-ORDER MAGNETIC PHASE TRANSITION <i>László Szarka, János Kiss, ERNŐ PRÁCSE, Antal Ádám, Attila Novák, András Madarasi</i>	106-TUE-P1700-0646
	ON THE REPORTED MAGNETIC PRECURSOR OF THE 1993 GUAM EARTHQUAKE <i>Jeremy N. Thomas, Jeffrey J. Love and MALCOLM J. S. JOHNSTON</i>	106-TUE-P1700-0659
	THE APRIL, 6, 2009 EARTHQUAKE AT L'AQUILA: A PRELIMINARY ANALYSIS OF MAGNETIC FIELD MEASUREMENTS. <i>UMBERTO VILLANTE, Marcello De Lauretis, Chiara De Paulis, Patrizia Francia, Andrea Piancatelli, Ermanno Pietropaolo, Massimo Vellante, Antonio Meloni, Paolo Palangio, Konrad Schwingenschuh, G. Prattes, W. Magnes, Petko Nenovski</i>	106-TUE-P1700-0684
	CRUST STRUCTURE INVESTIGATION OF NORT-WEST ANATOLIA WITH MAGNETOTELLURIC DATA COLLECTED ALONG TWO PARALLEL LINES BY THE HELP OF GRAVITY, MAGNETIC AND SEISMOLOGICAL DATA <i>C. Kaya, M. EMİN CANDANSAYAR, Ü. Dikmen, N. Konak, A. R. Kılıç, S. Arslan, A. Güler, U. Akin, Ö. Hacısalihoğlu, S. Bostan, A. Adigüzel, A. Üçer, Y. K. Kadioğlu, H. Yılmaz, A. T. Başokur, H. Okay, E. Erdoğan, İ. Demirci, Ö. Özyıldırım</i>	106-TUE-P1700-0716
	IMAGING THE ELECTRICAL RESISTIVITY STRUCTURE AT THE VICINITY OF DUZCE EARTHQUAKE, TURKEY <i>S. Bulent Tank, YASUO OGAWA, Yoshimori Honkura, M. Kemal Tuncer, Tulay Kaya</i>	106-TUE-P1700-0738
	IMAGING OF A VAPOR RESERVOIR AT KUSATSU-SHIRANE VOLCANO, JAPAN, BY THREE-DIMENSIONAL MT INVERSION AND MICRO-EARTHQUAKES <i>Nurhasan, YASUO OGAWA, S. Bulent Tank, Naoto Ujihara, Yoshimori Honkura, Teruo Yamawaki</i>	106-TUE-P1700-0782
	TIME LAPSE MAGNETOTELLURICS : APPLICATION TO VOLCANOLOGICAL DATA <i>WAWRZYNIAK PIERRE, Sailhac Pascal, Guy Marquis, Zlotnicki Jacques, Fernando di Santo</i>	106-TUE-P1700-0794
	IMAGING OF HYDROTHERMAL SYSTEM IN KUSATSU-SHIRANE VOLCANO, JAPAN, USING THREE DIMENSIONAL MAGNETOTELLURIC INVERSION <i>NURHASAN, Y. Ogawa, N. Ujihara, S. B. Tank, Y. Honkura, Teruo Yamawaki</i>	106-TUE-P1700-0897
	UPPER CRUSTAL RESISTIVITY STRUCTURE AROUND EARTHQUAKE SWARM DEDUCED FROM DENSE AMT/MT OBSERVATIONS <i>RYOKEY YOSHIMURA, Naoto Oshiman, Takafumi Kasaya, Yoshihisa Iio, Tsutomu Miura, Kazuhiro Nishimura, Tomoya Yamazaki, Kentaro Omura</i>	106-TUE-P1700-0979
	DEEP STRUCTURE OVER THE EASTERN SYNTAXIS OF THE HIMALAYA <i>SANJAY GOKARN</i>	106-TUE-P1700-1027

	DEEP CRUSTAL ELECTRICAL CONDUCTIVITY BENEATH NARMADA - SON - LINEAMENT ZONE AND ITS TECTONIC IMPLICATIONS <i>K. NAGANJANEYULU, G. Dhanunjay Naidu, M. Someswara Rao, D. N. Murthy, K. Veeraswamy and T. Harinarayana</i>	106-TUE-P1700-1047
	NUMERICAL TOOLS FOR THE ISOLATION OF EARTHQUAKE PRECURSORS IN ELECTRICAL / ELECTROMAGNETIC TIME SERIES <i>BALDEV R. ARORA and Gautam Rawat</i>	106-TUE-P1700-1093
	THREE-DIMENSIONAL RESISTIVITY STRUCTURE IN TARUMAI VOLCANIC AREA INCLUDING THE EFFECTS OF REGIONAL STRUCTURE AND TOPOGRAPHY YUSUKE YAMAYA, Toru Mogi, Takeshi Hashimoto	106-TUE-P1700-1145
	MT TOPOIBERIA: DEEP STRUCTURE OF A TRANSECT ACROSS THE WESTERN BETIC CORDILLERA (SOUTHERN SPAIN) <i>ANA RUIZ-CONSTÁN, Jesús Galindo-Zaldivar, Antonio Pedrera, Farida Anahnah, Jorge A. Arzate, Jaume Pous, Eva Asensio, Carlos Marin-Lechado, Wiebke Heise, Fernando Monteiro-Santos</i>	106-TUE-P1700-1174
	CRUSTAL STRUCTURE OF THE WESTERN TRANSECT OF THE RIF CORDILLERA FROM BROADBAND MAGNETOTELLURIC DATA <i>FARIDA ANAHNAH, Jesús Galindo-Zaldivar, Ana Ruiz-Constán, Antonio Pedrera, Patricia Ruano, Jaume Pous, Ahmed Chalouan, Mohammed Benmakhoulouf, Pedro Ibarra, Eva Asensio, M'fedal Ahmamou</i>	106-TUE-P1700-1190
	TWO DIMENSIONAL MODELING OF ELECTRICAL CONDUCTIVITY OF KELUD VOLCANO, INDONESIA USING MAGNETOTELLURIC DATA AFTER 2007 ERUPTION <i>NURHASAN, D. Sutarno, U. Fauzi, W. Srigutomo, E. J. Mustopa, Y. Ogawa</i>	106-TUE-P1700-1225
	MT SOUNDINGS IN SOUTH SHETLAND ISLANDS AND ANTARCTIC PENINSULA (ANTARCTICA): CONSTRAINTS TO THE CRUSTAL STRUCTURE OF THE BRANSFIELD STRAIT CONJUGATED CONTINENTAL MARGINS <i>JESUS GALINDO-ZALDIVAR, Antonio Pedrera, Ana Ruiz-Constán, Nemesio Heredia</i>	106-TUE-P1700-1233
	RECOGNITION OF ELEMENTS OF PETROLEUM SYSTEM IN THE EASTERN PART OF POLISH CARPATHIANS USING MAGNETOTELLURICS <i>MICHAL STEFANIUK</i>	106-TUE-P1700-1256
	SELF POTENTIAL CHANGES AT AKITA-YAKEYAMA VOLCANO IN 20 YEARS <i>SHIN'YA SAKANAKA, Yuna Tanaka, Tadashi Nishitani</i>	106-TUE-P1700-1272
	REGIONAL GEOMAGNETIC FIELD VARIATIONS AND SEISMIC ACTIVITY OF THE NORTHERN TIEN SHAN <i>VICTOR NOVIKOV, Ekaterina Vorontsova, Vitaly Bragin, Nelya Sycheva</i>	106-TUE-P1700-1279
	TRIGGERING IMPACT OF GEOMAGNETIC FIELD VARIATIONS ON EARTHQUAKE OCCURRENCE CONSIDERING THE EARTHQUAKE SOURCE MECHANISMS Victor Novikov, Ekaterina Vorontsova, ELENA NOVIKOVA, Vitaly Bragin, Nelya Sycheva	106-TUE-P1700-1282
	DETECTION OF TECTONIC ACTIVITIES ASSOCIATED WITH EARTHQUAKES BY SATELLITE-BORNE MICROWAVE RADIOMETER <i>TAKASHI MAEDA, Tadashi Takano</i>	106-TUE-P1700-1319

	I.11 Developments in magnetic anisotropy Aula Chaired by: Emő Márton	
17:00	VERTICAL VARIATION OF AMS ALONG SELECTED BASALT FLOW PROFILES, XITL VOLCANO, MEXICO: ZONE-LAYER RECOGNITION BY MAGNETIC FABRIC CECILIA I. CABALLERO-MIRANDA, Luis M. Alva-Valdivia, J. Antonio González-R.	111-TUE-P1045-0936
	USES OF ANISOTROPY OF MAGNETIC SUSCEPTIBILITY IN THE STUDY OF EMPLACEMENT PROCESSES OF LAVA FLOWS AND DYKES <i>EDGARDO CAÑÓN-TAPIA</i>	111-TUE-P1050-0874
	MAGNETIC ANISOTROPY OF THE ZONE OF TERTIARY GRANITOIDS AT THE SOUTHERN MARGIN OF THE PANNONIAN BASIN (SERBIA) <i>VESNA CVETKOV, Emő Márton, Vesna Lesić, Dragana Tomić</i>	111-TUE-P1055-0564
	MINERAL TEXTURAL STUDY BY AMS AND ITS APPLICATION ON TRACK OF PALEO-CIRCULATION IN DOLOMITIZED FORMATION <i>Mourad ESSALHI, Stanislas SIZARET, Luc BARBANSON and Yan CHEN</i>	111-TUE-P1100-1353
	ANISOTROPY OF MAGNETIC SUSCEPTIBILITY OF TRIASSIC RED BEDS FROM THE CONRARIA FORMATION, CENTRAL PORTUGAL <i>Armando L. Gomes, HELENA SANT'OVAIA, Armando L. Rocha</i>	111-TUE-P1105-1250
	AMS LINEATIONS AND THE ORIENTATION OF STRESS AXES DURING EARLY AND MIDDLE MIOCENE IN THE TRANSDANUBIAN RANGE, HUNGARY <i>MIHÁLY PETHE, Emő Márton, Péter Márton</i>	111-TUE-P1110-0867
	MAGNETIC FABRICS AND ROCK-MAGNETISM STUDIES OF EARLY-LATE CRETACEOUS MAFIC DIKE SWARMS FROM UBATUBA (SAO PAULO STATE, BRAZIL): PRELIMINARY RESULTS <i>M. Irene B. Raposo, Igor J. S. Mello and Thelma S. Berquó</i>	111-TUE-P1115-0743
	AMS FABRICS AND FLUID INCUSION PLANES RELATIONS IN GRANITES FROM NORTHERN PORTUGAL: PRELIMINARY INSIGHT <i>HELENA SANT'OVAIA, Armanda Dória</i>	111-TUE-P1120-1165
	MAGNETIC AND AMS PROPERTIES OF THE SEDIMENTARY COVER IN THRUST UNITS COMPARED WITH TECTONIC STRAIN: THE NICE AND CASTELLANE ARCS, SE FRANCE <i>LIONEL SONNETTE, Jacques Angelier, Jean-François Stéphan, Pierre Rochette, Jérôme Gattacceca, Teh-Quei Lee, Romain Plateaux, Jean-Baptiste Dussaux</i>	111-TUE-P1125-0477
	LOCAL SCALE DEFORMATION FOR DEVONIAN CARBONATES OF MORAVO-SILESIA ZONE (CZECH REPUBLIC) DERIVED FROM MAGNETIC FABRICS TOMASZ WERNER, Jacek Grabowski, Petr Pruner, Petr Schnabl, Jindrich Hladil, Rostislav Melichar	111-TUE-P1130-0773
	MAGNETIC ANISOTROPY, ROCK MAGNETIC AND PALEOMAGNETIC STUDIES OF DIKES EMPLACED IN THE WAIANAE, OAHU, HAWAII, USA <i>EMILIO HERRERO-BERVERA, Bernard Henry</i>	111-TUE-P1700-0963
	II.03 Long-term changes in the mesosphere, thermosphere and ionosphere Lyceum Gymnastic Hall, level 1 Chaired by: Gufan Beig	
17:00	LONG TERM CHANGES IN THE TOTAL RADIO WAVES ABSORPTION IN THE IONOSPHERE & D- REGION OVER LOW LATITUDE <i>Brij M.VYAS and Vimal Saraswat</i>	203-TUE-P1700-0116

	LONGITUDINAL BEHAVIOUR OF O+/H+ TRANSITION LEVEL IN THE TOPSIDE IONOSPHERE DURING PERIOD OF LOW SOLAR ACTIVITY 2004-2008 <i>LUDMIL BANKOV, P. Marinov, A. Vassileva</i>	203-TUE-P1700-0231
	GLOBAL MECHANISMS IN ATMOSPHERE MODELS AND A BALANCE OF THE EARTH ANGLE MOMENT: ATMOSPHERE RADIO-WAVEGUIDES AND TELECONNECTION <i>ALEXANDER GLUSHKOV</i>	203-TUE-P1700-0356
	THE INFRARED COOLING IN THE F-REGION <i>VIN P. BHATNAGAR</i>	203-TUE-P1700-0426
	NETWORK FOR THE DETECTION OF MESOPAUSE CHANGE (NDMC) <i>MICHAEL BITTNER, Patrick Espy, John French, Kathrin Höppner, Jürgen Scheer, Mike Taylor</i>	203-TUE-P1700-0891
	A LONG-DURATION STUDY OF TOTAL ELECTRON CONTENT IN THE EQUATORIAL IONOSPHERE <i>CHIEH-CHIH LEE</i>	203-TUE-P1700-0958
	A LONG-TERM STUDY OF LOW-LATITUDE IONOSPHERIC IRREGULARITIES AT AFRICAN LONGITUDES BY GROUND-BASED GPS OBSERVATIONS <i>F.D. Chu, W.S. Chen, C.C. LEE and J.Y. Liu</i>	203-TUE-P1700-1137
	III.05 The plasma sheet-ionosphere, a coupled system: Sinks, sources, transport and the role of Region 2 currents Lyceum Gymnastic Hall, level 0 Chaired by: Larry Lyons	
17:00	SPATIAL DISTRIBUTION OF THE AURORAL PRECIPITATIONS ZONES DEPENDING ON DIFFERENT SOLAR WIND STREAMS <i>Oksana Yagodka, IRINA DESPIRAK, Veneta Guineva</i>	305-TUE-P1700-0210
	MODELING OF A SUBSTORM EVENT USING THE RICE CONVECTION MODEL WITH AN EQUILIBRIUM MAGNETIC FIELD <i>Jian Yang, Frank Toffoletto, RICHARD WOLF, Gary Erickson</i>	305-TUE-P1701-1135
	ION PRESSURE NON-GYROTROPICITY AND GEOMAGNETIC TAIL CURRENT SPLITTING <i>PETER ISRAELEVICH, Alexander Ershkovich</i>	305-TUE-P1702-0407
	GENERATION OF THE SUBSTORM-FAC BY SLOW MODE DISTURBANCES IN THE NEAR EARTH PLASMA SHEET <i>AOI NAKAMIZO</i>	305-TUE-P1703-0602
	MAGNETOSPHERIC CONVECTION MANIFESTATIONS AT SUBAURORAL LATITUDES BY OBSERVATIONS OF THE DIFFUSE AURORA, SAR ARC AND IONOSPHERIC DRIFT <i>IGOR IEVENKO, Alexander Stepanov, Valery Alexeyev</i>	305-TUE-P1704-0513
	STORM-TIME ELECTRIC FIELDS IN THE MID-LATITUDE IONOSPHERE OBSERVED BY GROUND MAGNETOMETERS AND THE AKEBONO SATELLITE <i>YUJI TSUJI, Yukitoshi Nishimura, Atsuki Shinbori, Takashi Kikuchi, Tomoaki Hori, Ayako Matsuoka, Tsutomu Nagatsuma</i>	305-TUE-P1705-0801
	III.07 Wave and particle dynamics in the ring current and radiation belts/geomagnetic storms Lyceum Gymnastic Hall, level 0 Chaired by: Jacob Bortnik, Sasha Ukhorskiy	
17:00	RCM-VERB COUPLED SIMULATIONS OF THE DYNAMICS OF THE RADIATION BELTS DURING STORMS <i>DMITRIY SUBBOTIN, Yuri Shprits, Martina Gkioulidou, Viacheslav Merkin, Frank Toffoletto, Richard Thorne, Chih-Ping Wang, Larry Lyons</i>	307-TUE-P1700-0073
	THE MAGNETOSPHERIC RING CURRENT DECAY MECHANISMS <i>LILIA BIKTASH</i>	307-TUE-P1700-0303

	NONLINEAR DYNAMICS OF A MAGNETOSPHERIC VLF BACKWARD-WAVE OSCILLATOR: POSSIBLE INFLUENCE OF BOUNCE OSCILLATIONS OF ENERGETIC ELECTRONS <i>ANDREI DEMEKHOV</i>	307-TUE-P1700-0327
	DYNAMICS OF RELATIVISTIC ELECTRON FLUX IN THE OUTER EARTH'S RADIATION BELT DURING MINIMUM OF SOLAR ACTIVITY - THE FIRST EXPERIMENTAL DATA OF CORONAS- FOTON SATELLITE <i>I. N. Myagkova, M. I. Panasyuk, Yu. I. Denisov, A. V. Bogomolov, V. V. Kalegaev, L. I. Starostin</i>	307-TUE-P1700-0317
	LANL* V1.0: RADIATION BELT DRIFT SHELL MODELING FOR REAL-TIME AND REANALYSIS APPLICATIONS <i>JOSEF KOLLER, Geoffrey D. Reeves, Reiner H. W. Friedel</i>	307-TUE-P1700-0576
	RELATIONSHIP BETWEEN ULF ACTIVITY AND RELATIVISTIC ELECTRON FLUX IN THE MAGNETOSPHERE <i>NATALIA ROMANOVA, Viacheslav Pilipenko</i>	307-TUE-P1700-0746
	PC 5 PULSATIONS AT ULTIMA STATIONS DURING THE RELATIVISTIC ELECTRON ENHANCEMENT <i>AKIKO FUJIMOTO, Terumasa Tokunaga, Shuji Abe, Teiji Uozumi, Akimasa Yoshikawa, Ian R. Mann, Peter Chi, Mark Engebreston, Archana Bhattacharya, Daniel McNamara, Ronald Woodman Pollitt, Severino L. G. Dutra, Babatunde A. Rabi, Kiyohumi Yumoto, MAGDAS/CPMN Group</i>	307-TUE-P1700-0890
	COMPARISON BETWEEN HIGH-ENERGY ELECTRON FLUX AT GEOSYNCHRONOUS ORBIT AND ULF PULSATIONS ON THE GROUND <i>KENTAROU KITAMURA, Shin-Ichi Watari, Manabu Kunitake, Takahiro Obara, Hideki Koshiishi, Satoko Saita</i>	307-TUE-P1700-0960
	STUDY OF PITCH ANGLE DISTRIBUTION DURING A GEOMAGNETIC STORM <i>SERGEY SMOLIN</i>	307-TUE-P1700-1290
	INVESTIGATION OF PARAMETERS OF CHORUS WAVE PACKETS MEASURED BY THE CLUSTER SPACECRAFT <i>E. MACUSOVA, O. Santolik, P. Decreaux, D.A. Gurnett, J. S. Pickett, D. Nunn, A. G. Demekhov, E. E. Titova</i>	307-TUE-P1700-1364
	IV.02 From micro- to macro-scales in the heliosphere and magnetospheres Lyceum Gymnastic Hall, level 0 Chaired by: Gary P. Zank	
17:00	POSSIBLE NEW SOURCE OF THE HELIOSPHERIC ENAS: INTERSTELLAR PICKUP PROTONS <i>Yury Malama, VLADISLAV IZMODENOV, Sergey Chalov</i>	402-TUE-P1600-1126
	V.03 Geomagnetic jerks and rapid core field variations Lyceum Gymnastic Hall, level 1 Chaired by: Mioara Manda	
17:00	JERKS: THE MISCONSTRUCTION OF EARTH'S MAGNETISM <i>ALPÁR KÖRMENDI</i>	503-TUE-P1700-0014
	REGIONAL FEATURES OF THE GEOMAGNETIC FIELD SECULAR VARIATIONS <i>TATIANA N. BONDAR, Vadim P. Golovkov, Svetlana V. Yakovleva</i>	503-TUE-P1700-0068
	EQUIVALENT MONOPOLE SOURCE OF THE GEOMAGNETIC SOUTH ATLANTIC ANOMALY <i>ANGELO DE SANTIS, Enkelejda Qamili</i>	503-TUE-P1700-0620
	CONSTRUCTION OF THE SPATIAL-TEMPORAL MODEL OF THE MAIN GEOMAGNETIC FIELD USING SATELLITE DATA <i>TATIANA ZVEREVA, Vadim Golovkov, Tatiana Chernova</i>	503-TUE-P1700-0129

	RAPID FLUCTUATIONS OF THE EARTH'S MAGNETIC FIELD OVER EUROPE (1960-2001) GIULI VERBANAC, Monika Korte and Mioara Manda	503-TUE-P1700-0190
	GEOMAGNETIC JERK DETECTION IN THE POGO SCALAR DATA Yasmina Yahiat, MOHAMED HAMOUDI, Mioara Manda	503-TUE-P1700-0253
	HIGH DYNAMICS OF THE GEOMAGNETIC FIELD SOURCES: REALITY OR EFFECT OF MANTLE CONDUCTIVITY PAVEL BATALOV, Irina Demina, Tatiana Koroleva	503-TUE-P1700-0615
	SEPARATING THE INFLUENCE OF MANTLE CONDUCTIVITY AND CORE-SURFACE FLOW ON JERK EVENTS LUDWIG BALLANI, Dietrich Stromeyer, Hans Greiner-Mai, Ingo Wardinski, Jan M. Hagedoorn	503-TUE-P1700-0689
	REDUCTION OF EXTERNAL FIELD CONTRIBUTIONS TO MAIN FIELD VARIATION INGO WARDINSKI, Richard Holme	503-TUE-P1700-0849
	THE APPLICATION OF THE INVESTIGATIONS OF SOLAR - GEOMAGNETIC DISTURBANCES Spomenko J. Mihajlović, Rudi Čop, DAŠA FABIJAN, Jernej Kocen, Pavel Kosovac	503-TUE-P1700-1310

V.05 Improved modelling of the lithospheric magnetic field
Lyceum Gymnastic Hall, level 1
Chaired by: **Erwan Thebault**

17:00	RESEARCH OF GEOMAGNETIC ANOMALIES OF CHINA IN 2000.0 FENG Yan, An Zhen-Chang, Sun Han, Mao Fei, Liu Shi-Jun	505-TUE-P1700-0011
	GEOMAGNETIC SURVEY OVER THE TERRITORY OF SLOVAKIA FOR THE 2007.5 EPOCH Peter Dolinský, Fridrich Valach, MAGDALÉNA VÁČZYOVÁ, Milan Hvoždara	505-TUE-P1700-0411
	RECONSTRUCTION OF BANDWIDTH-LIMITED DATA ON A SPHERE USING SLEPIAN FUNCTIONS: APPLICATIONS TO CRUSTAL MODELLING CIARAN BEGGAN and Frederik Simons	505-TUE-P1700-0728

17:00 Outreach (in Hungarian)
SZIG

Evening programmes:

19:00 Division IV Evening: LFCCC Liszt

Wednesday, 26 August

Block 1. 08:30–10:00

ASSOCIATION LECTURE 1

LFCCC Liszt with live video broadcast in LFCCC Petőfi

GEOMAGNETISM AND THE EXPLORATION OF GLOBAL GEOLOGY

Colin Reeves

Chaired by: **Eigil-Friis Christensen**

Coffee Break (10:00-10:30)

LFCCC First Floor, Theatre First Floor, Pannonia, Aula

Block 2. 10:30–12:00

I.06 (cont.) Crustal tectonic processes constrained by electromagnetic observations
Auditorium Bourdon

Chaired by: **Tirumalachetty Harinarayana**

10:30	SEISMIC AND MAGNETIC IMAGES AT THE SUMATRA-ANDAMAN MEGA THRUST SUBDUCTION ZONE EARTHQUAKE (MW 9.3) JNANA RANJAN KAYAL	106-WED-01030-0110
10:45	CAN EARTHQUAKE NUCLEATION AND RUPTURE EVOLUTION BE CONSTRAINED WITH EM DATA? MALCOLM JOHNSTON	106-WED-01045-0475
11:00	SEISMIC ELECTRIC SIGNALS: THE USEFULNESS OF NATURAL TIME IN IDENTIFYING THE OCCURRENCE TIME OF AN IMPENDING EARTHQUAKE PANAY-IOTIS A. VAROTSOS, Nicholas V. Sarlis, Efthimios S. Skordas, and Mary S. Lazaridou	106-WED-01100-0522
11:15	SIGNALS RECORDED BY DEMETER SATELLITE OVER ACTIVE VOLCANOES JACQUES ZLOTNICKI, Feng Li, Michel Parrot	106-WED-01115-0642
11:30	NATURAL TIME ANALYSIS AS A TOOL FOR SHORT-TERM EARTHQUAKE PREDICTION SEIYA UYEDA, Masashi Kamogawa, and Yuki Tomizawa	106-WED-01130-0545
11:45	MULTI SENSOR SATELLITE DATA FOR EARLY INFORMATION OF CRUSTAL DEFORMATION RAMESH P. SINGH and Menas Kafatos	106-WED-01145-1349

I.15 Rock magnetism: theory, experiments and observations
Auditorium Green

Chaired by: **Adrian Muxworthy, Claire Carvalho**

10:30	ON THE PHYSICS OF ACQUISITION OF DRM VALERIY P. SHCHERBAKOV	115-WED-01030-0074
11:00	ROCK-MAGNETIC PARAMETERS OF SEDIMENT FRACTIONS OBTAINED FROM GRAVITY CORES DRILLED OFF NW AFRICA SEBASTIAN RAZIK, Cletus Itambi, Tilo von Dobeneck, Mark Dekkers	115-WED-01100-0418
11:15	HALL PROBE SCANNER FOR ANALYSIS OF MAGNETIZATION OF POLISHED SECTIONS GUNTHER KLETETSCHKA, Allen Lunsford, Lisa Petrochilos, and Mike Fuller	115-WED-01115-0592
11:30	WHAT WE KNOW ABOUT MAGNETIC AND OTHER PHYSICAL BULK PROPERTIES AT CURIE DEPTH? JÁNOS KISS, László Szarka, Ernő Prácser, Antal Ádám	115-WED-01130-0645
11:45	LOCALIZATION OF PLASTIC DEFORMATIONS AT DIFFERENT HIERARCHY LEVELS AND THEIR CONNECTION WITH MAGNETIC PARAMETERS VARIATIONS OF THE KONDER MASSIF PLATINUM-BEARING DUNITES PETER MARTYSHKO, Valentin Pyankov	115-WED-01145-0670

II.04 Solar and lower atmospheric forcing of the middle atmosphere-ionosphere system
Theatre
Chaired by: **Dora Pancheva**

10:30	GRAVITY WAVE COUPLING INTO THE TROPICAL MLT I ROBERT VINCENT, Sujata Kovalam, M. Joan Alexander	204-WED-01030-0658
11:00	ATMOSPHERIC GRAVITY WAVE ACTIVITY ABOVE HALLEY (76S, 27W) AND ROTHERA (67S, 68W) TRACY MOFFAT-GRIFFIN, Robert E Hibbins, Martin J Jarvis	204-WED-01100-0727
11:15	OBSERVATIONS OF NONMIGRATING DIURNAL TIDES IN THE THERMOSPHERE I Ruth Lieberman, Elsayed Talaat, Jens Oberheide, Dennis Riggin	204-WED-01115-0934
11:45	A STUDY OF TIDAL INFLUENCE ON THE TOPSIDE IONOSPHERE AT MIDDLE AND LOW LATITUDES BY MEANS OF DEMETER, DMSP AND TIMED/SABER DATA LUDMIL BANKOV, D. Pancheva, Pl. Muhtarov, A. Vassileva	204-WED-01145-0228

II.05 Energetic particle precipitation into the atmosphere: sources and consequences
Painter's Hall
Chaired by: **Craig J. Rodger**

10:30	MODELING WAVE-PARTICLE SCATTERING AND LOSS FROM THE RADIATION BELTS RICHARD M THORNE I	205-WED-01030-0946
11:00	QUANTITATIVE LOSS RATE OF RADIATION BELT ELECTRONS DETERMINED FROM SAMPEX MEASUREMENTS AND MODELING Xinlin Li, Weichao Tu, Mark Looper, Richard Selesnick	205-WED-01100-0528
11:15	SATELLITE AND GROUND BASED OBSERVATIONS OF A LARGE-SCALE ELECTRON PRECIPITATION EVENT RORY GAMBLE, Craig Rodger, Mark Clilverd, Neil Thomson, Michel Parrot, Jean-Andre Sauvaud, Jean-Jacques Berthelier	205-WED-01115-0255
11:30	OBSERVATIONS OF ENERGETIC PARTICLE PRECIPITATION EFFECTS UPON THE MIDDLE ATMOSPHERE ANNIKA SEPPÄLÄ, Pekka T. Verronen, Mark A. Clilverd, Craig J. Rodger, Cora E. Randall, Esa Turunen	205-WED-01130-1159
11:45	STATISTICAL EVALUATION OF UPPER MESOSPHERIC AND LOWER THERMOSPHERIC TEMPERATURE EFFECTS CAUSED BY ENERGETIC PARTICLE PRECIPITATION H. NESSE TYSSØY, Johan Stadsnes, M. Sørbø, C. J. Mertens, D. S. Evans	205-WED-01145-1044

III.11 Reporter reviews
LFCCC Petőfi
Chaired by: **Anna Milillo**

10:30	REPORTER REVIEW: MAGNETOPAUSE AND BOUNDARY LAYER I BENOIT LAVRAUD	311-WED-01030-0703
11:00	AURORAL PHENOMENA I CLARE E. J. WATT	311-WED-01100-0250
11:30	REPORTER REVIEW: ULF WAVES I FREDERICK W MENK	311-WED-01130-0811

IV.05 Neutral-plasma interactions for planets, moons, asteroids, and comets
LFCCC Széchenyi
Chaired by: **Rickard Lundin**

10:30	SIMULATED SOLAR WIND INTERACTION WITH THE MARTIAN ENVIRONMENT Ronan Modolo, GERARD M. CHANTEUR, Eduard Dubinin I	405-WED-01030-1342
11:00	THE STRUCTURE OF TITAN'S INDUCED MAGNETOSPHERE Cesar Bertucci, R. Modolo, K. Szego, N. Sergis, J-E. Wahlund, D. T. Young, S. Krimigis I	405-WED-01100-1361
11:30	PROTON CYCLOTRON WAVE GENERATION MECHANISMS UPSTREAM OF VENUS MAGDA DELVA, C. Mazelle, C. Bertucci, M. Volwerk, T. L. Zhang, Z. Vörös I	405-WED-01130-1092

IV.06 Solar and interplanetary radio emissions
LFCCC Liszt
Chaired by: **Milan Maksimovic, Bo Li**

10:30	CONTRIBUTIONS OF RADIOHELIOGRAPH OBSERVATIONS TO THE UNDERSTANDING OF SOLAR FLARES, CORONAL MASS EJECTIONS AND SUN-EARTH CONNECTION NICOLE VILMER I	406-WED-01030-1066
11:00	SIMULATIONS OF EFFECTS OF ELECTRON ACCELERATION AND CORONAL PARAMTERS ON CORONAL TYPE III BURSTS BO LI, Iver H. Cairns, Peter A. Robinson	406-WED-01100-0392
11:15	AUTOMATIC RECOGNITION OF TYPE III SOLAR RADIO BURSTS: AUTOMATED RADIO BURST IDENTIFICATION SYSTEM METHOD AND FIRST OBSERVATIONS Vasili V. Lobzin, IVER H. CAIRNS, Peter A. Robinson, Graham Steward, and Garth Patterson	406-WED-01115-0064
11:30	HIGH FREQUENCY SOLAR RADIO EMISSIONS I YIHUA YAN	406-WED-01130-0345

V.07 Results from the decade of geopotential research and future prospects
Pannonia
Chaired by: **Michael Purucker, Vincent Lesur**

10:30	ESAS MAGNETIC FIELD MISSION SWARM I ROGER HAAGMANS, Michael Kern, Gernot Plank, Yvon Menard	507-WED-01030-0613
11:00	FORECASTING CHANGE OF THE MAGNETIC FIELD USING CORE SURFACE FLOWS AND ENSEMBLE KALMAN FILTERING CIARAN BEGGAN and Kathy Whaler	507-WED-01100-0729
11:15	GEOMAGNETISM MISSION CONCEPTS AFTER SWARM MICHAEL PURUCKER, Nils Olsen, Terence J. Sabaka, Richard Holme	507-WED-01115-0834
11:30	TOWARDS MONITORING MAGNETIC SIGNALS GENERATED BY OCEAN TIDES INGO WARDINSKI, Jan Dostal, Mioara Manda, Maik Thomas I	507-WED-01130-0857

Lunchtime (12:00-13:30)

IDWG EO: Educator's hall
ICDC: St Ursula

Block 3. 13:30–15:00

I.07 EM modelling and inversion. *In memory of Peter Weidelt (1938–2009)*
Auditorium Bourdon
Chaired by: **Klaus Spitzer**

13:30	2-D CSAMT FORWARD RESEARCH <i>XIANGYUN HU, Guiju Wu Qiang Gong</i>	107-WED-01330-0314
13:45	NUMERICAL MODELLING OF CSAMT SOURCE EFFECTS FOR ELONGATED CONDUCTIVITY STRUCTURES <i>GÁBOR PETHŐ</i>	107-WED-01345-0452
14:00	THE MARINE CSEM RESPONSE OF A RESISTIVE SHEET: STRAIGHTFORWARD BUT NOT TRIVIAL <i>ANDREI SWIDINSKY, Nigel Edwards</i>	107-WED-01400-0440
14:15	A 3-D MODEL STUDY FOR MARINE EM USING VECTOR FINITE ELEMENTS <i>Christoph Schwarzbach, Ralph-Uwe Börner, KLAUS SPITZER</i>	107-WED-01415-0648
14:30	MODELING THE EARTH-IONOSPHERE CAVITY USING FDTD <i>ERNST D. SCHMITTER</i>	107-WED-01430-0003
14:45	THE ADJOINT SENSITIVITY METHOD OF GLOBAL ELECTROMAGNETIC INDUCTION FOR CHAMP MAGNETIC DATA <i>ZDENEK MARTINEC, Jakub Velimsky</i>	107-WED-01445-0795

I.15 Rock magnetism: theory, experiments and observations
Auditorium Green
Chaired by: **Adrian Muxworthy, Claire Carvallo**

13:30	DOMAIN STATE RELATED BIAS IN ABSOLUTE PALEOINTENSITY DETERMINATION <i>ROMAN LEONHARDT, Annika Ferk, Karl Fabian, Felix W. von Aulock, Kai-Uwe Hess, Donald B. Dingwell</i>	115-WED-01330-0904
14:00	RE-VISITING THE COOLING RATE DEPENDENCY OF THERMOREMANENCE ACQUISITION <i>ADRIAN MUXWORTHY</i>	115-WED-01400-0705
14:15	ALTERATION OF OCEANIC BASALTS LEADING TO SELF-REVERSAL: A XMCD STUDY <i>CLAIRE CARVALLO, Philippe Saintavitt, Yohan Guyodo, Marie-Anne Arrio, Alevtina Smekhova, Andrei Rogalev, Fabrice Wilhelm, Bruce Moskowitz, France Lagroix</i>	115-WED-01415-0737
14:30	LOW-TEMPERATURE HYSTERESIS PROPERTIES OF HIGH-COERCIVITY TITANOMAGNETITE BEARING ROCKS <i>KOJI FUKUMA</i>	115-WED-01430-0802
14:45	THE MAGNETIC SIGNATURE OF BASAL PLANE ANISOTROPY IN HEMATITE <i>KARL FABIAN, Peter Robinson, Suzanne A. McEnroe</i>	115-WED-01445-1057

II.04 Solar and lower atmospheric forcing of the middle atmosphere-ionosphere system
Theatre
Chaired by: **Anne Smith**

13:30	COMPARISONS OF TIDES FROM MODELS AND OBSERVATIONS: RESULTS I FROM THE CAUSES GLOBAL TIDAL CAMPAIGNS <i>WILLIAM E. WARD, Jens Oberheide, Larisa Goncharenko, Dan Marsh, Takuji Nakamura, Werner Singer, Anne K. Smith, Ding Yi Wang, Titus Yuan, Jian Du, Michael Gerding, Phillipe Keckhut, Yasunobu Miyoshi, Jurgen Scheer, Hauke Schmidt</i>	204-WED-01330-1259
14:00	MEAN WINDS AND ATMOSPHERIC TIDES, MEASURES BY SKIYMET, OVER SANTA MARIA (29.7°S; 53.8°W) <i>VANIA FATIMA ANDRIOLI, Paulo Prado Batista, Barclay Robert Clemesha, Nelson Jorge Schuch</i>	204-WED-01400-0138

14:45	MULTI-INSTRUMENT OBSERVATIONS OF NIGHTGLOW INTENSITIES AND TEMPERATURES AND METEOR RADAR WINDS AND TEMPERATURES AT ADELAIDE, AUSTRALIA <i>IAIN M REID, Jonathan M. Woithe, Daniel L. McIntosh, Syed M. I. Azeem</i>	204-WED-01415-0765
14:30	DESCENT FROM THE POLAR MESOSPHERE FOLLOWING MID-WINTER STRATOSPHERIC SUDDEN WARMINGS, OBSERVED IN ODIN/SMR WATER VAPOR AND TEMPERATURE <i>YVAN J. ORSOLINI, Joachim Urban, Donal P. Murtagh</i>	204-WED-01430-1231
14:45	SEASONAL TIDAL VARIABILITY OF MIDLATITUDE SPORADIC LAYERS AT ARECIBO <i>CHRISTOS HALDOUPIS, N. Christakis, Q. Zhou, C. Meek</i>	204-WED-01445-1192

II.05 Energetic particle precipitation into the atmosphere: sources and consequences
Painter's Hall
Chaired by: **Mark A. Clilverd**

13:30	ENERGETIC ELECTRON LOSSES FROM THE RADIATION BELTS I <i>REINER FRIEDEL, Yue Chen, Tom Cayton</i>	205-WED-01330-1269
14:00	POES SEM-2 OBSERVATIONS OF RADIATION BELT DYNAMICS AND ENERGETIC ELECTRON PRECIPITATION IN TO THE ATMOSPHERE <i>CRAIG J. RODGER, Mark A. Clilverd, Janet C. Green, Mai Mai Lam</i>	205-WED-01400-0538
14:15	CORRECTED FLUXES OF MAGNETOSPHERIC ENERGETIC PARTICLES FOR 3 SOLAR CYCLES <i>TIMO ASIKAINEN, Kalevi Mursula, Ville Maliniemi</i>	205-WED-01415-1085
14:30	WILL CLIMATE CHANGE INCREASE OZONE DEPLETION FROM LOW-ENERGY-ELECTRON PRECIPITATION? <i>ANDREAS J. G. BAUMGAERTNER, Patrick Jöckel</i>	205-WED-01430-0521
14:45	PARTICLE PRECIPITATION TIED TO UNUSUAL VLF EMISSIONS <i>BRETT DELPORT, Andrew B Collier, Pieter H Stoker, Jyrki Manninen</i>	205-WED-01445-0086

III.11 Reporter reviews
LFCCC Petőfi
Chaired by: **Anna Milillo**

13:30	MAGNETOTAIL DYNAMICS I <i>JOACHIM BIRN</i>	311-WED-01330-0723
14:00	INNER MAGNETOSPHERE: REPORTER REVIEW I <i>YUSUKE EBIHARA</i>	311-WED-01400-1122
14:30	WAVE-PARTICLE INTERACTIONS IN THE INNER MAGNETOSPHERE I <i>NIGEL P. MEREDITH</i>	311-WED-01430-0686

IV.05 Neutral-plasma interactions for planets, moons, asteroids, and comets
LFCCC Széchenyi
Chaired by: **Károly Szegő, Gérard Chanteur**

13:30	THE VARIABILITY, MORPHOLOGY AND OUTFLOW OF MARTIAN IONOSPHERIC PLASMA <i>RICKARD LUNDIN, S. Barabash, M. Holmström, H. Nilsson, M Yamauchi, M. Hamrin, D. Winningham, R. Frahm, H. Perez de-Tejada</i>	405-WED-01330-0216
14:00	RESPONSE OF THE MARTIAN ENVIRONMENT TO A ROTATION OF THE IMF <i>GERARD M. CHANTEUR, Ronan Modolo, Eduard Dubinin</i>	405-WED-01400-1343
14:30	NEW CHALLENGES FOR SIMULATIONS FROM THE CASSINI MISSION <i>Cesar Bertucci, R. Modolo, K. Szego, S. Simo</i>	405-WED-01430-1362

14:45	A RE-EXAMINATION ON THE MASS BUDGET OF THE SATURN'S RING ATMOSPHERE AND IONOSPHERE AT EQUINOX <i>Wei-Ling Tseng and Wing-Huen Ip</i>	405-WED-01445-1013
IV.06 Solar and interplanetary radio emissions LFCCC Liszt Chaired by: Milan Maksimovic, Bo Li		
13:30	SOLAR RADIO EMISSION IN THE DECAMETER WAVELENGTHS BAND <i>V. N. Melnik, A. A. Konovalenko, Vladimir V. Dorovskyy, H. O. Rucker, E. P. Abranin</i>	406-WED-01330-1098
13:45	TYPE III RADIO BURSTS OBSERVED BY STEREO/WAVES <i>VRATISLAV KRUPAR, Baptiste Cecconi, Ondrej Santolik, Milan Maksimovic</i>	406-WED-01345-0898
14:00	RADIATION IN THE SOLAR SYSTEM THROUGH CONVERTED I ELECTROSTATIC WAVES PAUL J. KELLOGG	406-WED-01400-1317
14:30	1D MODEL FOR BEAM PLASMA INTERACTION IN THE PRESENCE OF EXTERNAL DENSITY FLUCTUATIONS Arnaud Zaslavsky, Alexander S. Volokitin, Milan Maksimovic, Vladimir V. Krasnoselskikh, Stuart D. Bale	406-WED-01430-0880
14:45	LANGMUIR WAVES AND TYPE III BURSTS OBSERVED BY THE WIND SPACECRAFT SONJA VIDOJEVIC , Arnaud Zaslavsky, Milan Maksimovic, Olga Atanackovic, Sang Hoang, Q. N. Nguyen	406-WED-01445-1236
V.07 Results from the decade of geopotential research and future prospects Pannonia Chaired by: Michael Purucker, Vincent Lesur		
13:30	RECENT ACHIEVEMENTS IN CHARACTERISING IONOSPHERIC AND I MAGNETOSPHERIC FIELDS HERMANN LÜHR, Claudia Stolle, Stefan Maus	507-WED-01330-0863
14:00	THE SWARM MAGNETOMETRY PACKAGE JOSE M. G. MERAYO, John L. Jørgensen, Eigil Friis-Christensen, Peter Brauer, Fritz Primdahl, Peter S. Jørgensen and Troelz Denver	507-WED-01400-0941
14:30	ASSIMILATION OF GEOMAGNETIC OBSERVATIONS IN DYNAMICAL I MODELS OF THE SECULAR VARIATION Elisabeth Canet, Alexandre Fournier, DOMINIQUE JAULT, Nicolas Gillet	507-WED-01430-1177
DC.01 Atmospheric coupling processes in the equatorial region Educator's Hall Chaired by: Paulo Prado Batista, Dora Pancheva		
13:30	CHARACTERISTICS OF TEMPERATURE AND DENSITY STRUCTURES IN THE I EQUATORIAL THERMOSPHERE SIMULATED BY A WHOLE ATMOSPHERE GCM HITOSHI FUJIWARA, Yasunobu Miyoshi, Hidekatsu Jin, Hiroyuki Shinagawa, Kaori Kaneda	D01-WED-01330-0761
14:00	INTER-ANNUAL VARIABILITY AND AERONOMIC IMPLICATIONS OF I NONMIGRATING TIDES FORCED BY TROPICAL CONVECTION J. OBERHEIDE, J. M. Forbes, and M. G. Mlynczak	D01-WED-01400-0046
14:30	THE 8-HOUR TIDE IN THE MESOSPHERE AND LOWER THERMOSPHERE I OVER MAUI (20.75°N, 156.43°W) G. JIANG ¹ , Jiyao Xu ¹ , S. J. Franke ²	D01-WED-01430-0098
14:45	NEW CLIMATOLOGICAL FEATURES OF THE MIGRATING DIURNAL AND SEMIDIURNAL TIDES SEEN IN THE SABER/TIMED TEMPERATURES (2002-2007) DORA PANCHEVA, Plamen Mukhtarov, and Borislav Andonov	D01-WED-01445-0118

Coffee Break 15:00-15:30

LFCCC First Floor, Theatre First Floor, Pannonia, Aula

Block 4. 15:30–17:00

I.07 EM modelling and inversion. *In memory of Peter Weidelt (1938-2009)*
Auditorium Bourdon
Chaired by: **Klaus Spitzer**

15:30	GENERAL FORMALISM FOR THE EFFICIENT CALCULATING THE DERIVATIVES OF EM FREQUENCY-DOMAIN RESPONSES AND THE DERIVATIVES OF THE MISFIT OLEG PANKRATOV, Alexey Kuvshinov	107-WED-01530-0096
15:45	ON THE STRUCTURE ELECTROMAGNETIC INVERSE PROBLEM PETER MARTYSHKO, Alexey Roublev	107-WED-01545-0672
16:00	PARAMETERIZATION AND UNCERTAINTY ESTIMATION IN LINEARIZED AND NONLINEAR BAYESIAN MAGNETOTELLURIC INVERSION RONGWEN GUO, Stan E. Dosso, Jianxin Liu, Jan Dettmer, Xiaozhong Tong	107-WED-01600-0171
16:15	INVERTING MT 3D DATA USING LOCAL COORDINATES AND TAKING DISTORTION PARAMETERS INTO ACCOUNT: PROGRESS AND PRELIMINARY RESULTS Marion P. Miensoyust, Colin G. Farquharson, ALAN G. JONES	107-WED-01615-1300
16:30	SALT DOME OVERHANG DETECTABILITY STUDY FOR MARINE MAGNETO-TELLURIC METHOD ANNA AVDEEVA, Romina Gehrman, Marion Jegen	107-WED-01630-0868
16:45	AN INTEGRATED APPROACH IN GEOPHYSICAL MODELLING USING SEISMIC TRAVEL TIME, MAGNETOTELLURIC AND POTENTIAL FIELD DATA - EXAMPLE FROM THE MILLUNGERA BASIN, NORTH QUEENSLAND, AUSTRALIA INDRAJIT ROY	107-WED-01645-0656

I.15 Rock magnetism: theory, experiments and observations
Auditorium Green
Chaired by: **Adrian Muxworthy**

15:30	MAGNETIC CHARACTERIZATION OF NON-INTERACTING ULTRAFINE FERRIMAGNETIC NANOPARTICLES Changqian Cao, YONGXIN PAN	115-WED-01530-1026
16:00	FORC DIAGRAMS AS A DIAGNOSTIC TOOL FOR EVALUATING NANOPARTICLE COATING ANN M. HIRT and Alexandra Teleki	115-WED-01600-0848
16:15	EFFECT OF THERMAL FLUCTUATIONS ON HYSTERESIS OF CHAINS OF MAGNETITE CRYSTALS ANDREW NEWELL	115-WED-01615-1270
16:30	EFFECT OF THERMAL FLUCTUATIONS ON FIRST-ORDER REVERSAL CURVES OF SINGLE-DOMAIN PARTICLES ANDREW NEWELL	115-WED-01630-1277
16:45	Discussion	

II.04 Solar and lower atmospheric forcing of the middle atmosphere-ionosphere system
Theatre
Chaired by: **Art Richmond**

15:30	TEMPORAL VARIATIONS OF ATOMIC OXYGEN IN THE UPPER MESOSPHERE I FROM SABER ANNE K. SMITH, Daniel R. Marsh, Martin G. Mlynczak, Jeffrey C. Mast	204-WED-01530-0579
16:00	INFRASONIC INDUCED MESOPAUSE TEMPERATURE PERTURBATIONS: AS AN EARLY INDICATOR FOR THE DETECTION OF TSUNAMIS AND OTHER GEO-HAZARDS MICHAEL BITTNER, Kathrin Höppner, Christoph Pilger, Carsten Schmidt, Julian Meyer-Arnek	204-WED-01600-0889
16:15	SOLAR ACTIVITY FORCING OF STRATOSPHERE AND TROPOSPHERE KESAVAPILLAI MOHANAKUMAR	204-WED-01615-0041

16:30	RAY TRACING FOR VISCOUSLY DAMPED WAVES IN THE THERMOSPHERE <i>RICHARD L. WALTERSCHEID, Michael Hickey</i>	204-WED-01630-0654
16:45	THREE YEARS OF CONTINUOUS MEASUREMENTS OF TURBULENCE IN THE MESOSPHERE AND LOWER THERMOSPHERE WITH A 3-MHZ DOPPLER RADAR AT 69°N <i>WERNER SINGER, Ralph Latteck, Boris Strelnikov, Peter Hoffmann, Norbert Engler, Markus Rapp</i>	204-WED-01645-0859

II.05 Energetic particle precipitation into the atmosphere: sources and consequences
Painter's Hall
Chaired by: **Marc A. Clilverd**

15:30	BALLOON OBSERVATIONS OF RELATIVISTIC ELECTRON PRECIPITATION I AND THE BARREL EXPERIMENT <i>ROBYN M. MILLAN, John G. Sample, Michael P. McCarthy, David M. Smith, Leslie A. Woodger, Jessica G. Hewitt, Max Comess, Xinqing Liang, Karl Yando, R. P. Lin, M. K. Hudson</i>	205-WED-01530-0872
16:00	EFFECTS OF ICMES AND CIRS ON ENERGETIC PARTICLE PRECIPITATION <i>NICOLA LONGDEN, Michael H. Denton, Farideh Honary</i>	205-WED-01600-0847
16:15	THE IMPACT OF A RELATIVISTIC ELECTRON PRECIPITATION EVENT ON THE STRATOSPHERE <i>MARK A. CLILVERD, Annika Seppälä, Craig J. Rodger, Esa Turunen</i>	205-WED-01615-0720
16:30	CORRELATIONS BETWEEN SAMPEX DETECTED RELATIVISTIC ELECTRON PRECIPITATION AND PERTURBATIONS IN GROUND BASED VLF SIGNALS DURING PERIODS OF EXTREME GEOMAGNETIC DISTURBANCE <i>Sarah L. Dietrich, CRAIG J. RODGER, Mark A. Clilverd, Jacob Bortnik, AARDDVARK team</i>	205-WED-01630-1323
16:45	SURVEY OF ENERGETIC PARTICLE PRECIPITATION - AUTOMATIC DETECTION OF ENHANCED TRANSIENT IONISATION IN THE MESOSPHERE USING SUBIONOSPHERIC NARROW BAND VLF SIGNALS <i>PÉTER STEINBACH, János Lichtenberger, Csaba Ferencz</i>	205-WED-01645-0284

III.11 Reporter reviews
LFCCC Petőfi
Chaired by: **Anna Milillo**

15:30	REPORTER REVIEW: GLOBAL DYNAMICS OF THE MAGNETOSPHERE I <i>MICHAEL WILTBERGER</i>	311-WED-01530-0509
16:00	MAGNETOSPHERES OF SOLAR SYSTEM BODIES OTHER THAN EARTH: I RESEARCH 2007-2009 <i>EMMA BUNCE</i>	311-WED-01600-1023

IV.05 Neutral-plasma interactions for planets, moons, asteroids, and comets
LFCCC Széchenyi
Chaired by: **Károly Szegő, Gérard Chanteur**

15:30	BOUNDARY LAYER IN THE VENUS IONOSHEATH: EVIDENCE FROM THE VENUS EXPRESS PLASMA DATA I <i>HECTOR PÉREZ-DE-TEJADA, R. Lundin, S. Barabash, J. A. Sauvaud, A. Coates</i>	405-WED-01530-0260
16:00	IONOSPHERIC PHOTOELECTRONS AT VENUS: A STATISTICAL REVIEW COVERING THE FIRST YEAR OF THE VEX MISSION <i>SHARON TSANG, Andrew Coates, Geraint Jones, Rudy Frahm, J. David Winningham, Stas Barabash, Rickard Lundin, Andrei Fedorov</i>	405-WED-01600-1029

16:30	COMPARATIVE ANALYSIS OF CASSINI'S TITAN FLYBYS T25-T33 ACCORDING TO THE MEASUREMENTS OF CASSINI-MIMI AND CAPS <i>ZSOFIA BEBESI, Norbert Krupp, Stamatios Krimigis, Markus Fränz, Donald G. Mitchell, Karoly Szegő, David T. Young, Michele K. Dougherty</i>	405-WED-01630-1070
16:45	THE NEUTRAL CLOUD ENVIRONMENT IN THE SATURNIAN MAGNETOSPHERE <i>Wei-Ling Tseng and Wing-Huen Ip</i>	405-WED-01645-1015

IV.06 Solar and interplanetary radio emissions
LFCCC Liszt
Chaired by: **Milan Maksimovic, Bo Li**

15:30	REVIEW OF THE 2-3 kHz RADIO EMISSIONS OBSERVED IN THE OUTER HELIOSPHERE I <i>IVER H. CAIRNS and Jeremy J. Mitchell</i>	406-WED-01530-0180
16:00	„PRIMING” MECHANISM FOR THE 2-3 kHz HELIOSPHERIC RADIATION BY MAGNETIC FIELD RECONNECTION IN THE HELIOSHEATH <i>Stan Grzedzielski, Andrzej Czechowski, MAREK STRUMIK</i>	406-WED-01600-1368

V.07 Results from the decade of geopotential research and future prospects
Pannonia
Chaired by: **Michael Purucker, Vincent Lesur**

15:30	PREDICTION OF GEOMAGNETIC SECULAR VARIATION USING DATA I ASSIMILATION TECHNIQUES <i>WEIJIA KUANG, Richard Holme, Zigang Wei and Andrew Tangborn</i>	507-WED-01530-1131
15:45	FIELD MODELLING FROM SCALAR-ONLY DATA FROM DIFFERENT HEIGHTS <i>RICHARD HOLME, Gemma Kelly</i>	507-WED-01545-1141
16:00	HIGH-DEGREE MODELING OF THE EARTH'S INTERNAL MAGNETIC FIELD I <i>STEFAN MAUS and Hermann Luhr</i>	507-WED-01600-1075
16:30	PREDICTING CRUSTAL SECULAR VARIATION <i>GAUTHIER HULOT, Erwan Thébault, Nils Olsen, Kumar Hemant Singh</i>	507-WED-01630-1111
16:45	ON THE POSSIBLE BENEFITS OF EXTENDING THE PREDICTIVE SECULAR VARIATION IN THE IGRF MODEL TO A HIGHER SPHERICAL HARMONIC DEGREE <i>LUIS SILVA, Stefan Maus, Erwan Thébault, Arnaud Chulliat, Gauthier Hulot</i>	507-WED-01645-1119

DC.01 Atmospheric coupling processes in the equatorial region
Educator's Hall
Chaired by: **Paulo Prado Batista, Dora Pancheva**

15:30	RECENT EXPERIMENTS ON ATMOSPHERIC COUPLING PROCESSES IN THE EQUATORIAL REGION OVER BRAZIL <i>PAULO P. BATISTA</i>	D01-WED-01530-0551
16:00	THE PROPAGATION AND DISSIPATIVE FILTERING OF GRAVITY WAVES FROM DEEP CONVECTION IN THE THERMOSPHERE AND F REGION AT EQUATORIAL LATITUDES <i>SHARON L. VADAS</i>	D01-WED-01600-0469
16:30	COUPLING BETWEEN TROPOSPHERE-STRATOSPHERE-MESOSPHERE-LOWER THERMOSPHERE AND IONOSPHERE THROUGH WAVES AND OSCILLATIONS; RESULTS FROM MIDAS PROGRAM I <i>GEETHA RAMKUMAR, T. MARIA ANTONITA, K. Kishore Kumar, S. Gurubaran, K. V. S. Nambodiri, Y. Bhavani Kumar</i>	D01-WED-01630-0371
16:45	STUDY OF THE ENVIRONMENT IN WHICH MESOSPHERIC FRONTS PROPAGATE <i>AMAURI F. MEDEIROS, J. Fecine, C. M. Wrasse, H. Takahashi, R. A. Buriti, P. P. Batista, B. R. Clemesha, L. M. Lima, M. G. Mlynczak, J. M. Russell</i>	D01-WED-01645-0093

Poster Session 17:00–19:00

Local wine is served in Aula and Lyceum Courtyard between 17:30 and 19:00

I.07 EM modelling and inversion. *In memory of Peter Weidelt (1938-2009)*

Aula

Chaired by: **Klaus Spitzer**

17:00	ALGEBRAIC MULTIGRID METHOD FOR 3D DC RESISTIVITY MODELING <i>JINGJIN LU, Xiaoping Wu, Klaus Spitzer</i>	107-WED-P1700-0135
	GLOBAL OPTIMIZATION FOR THE INTERPRETATION OF MAGNETOTELLURIC SOUNDING DATA USING POLYNOMIAL APPROXIMATION AND ESTIMATION OF STATIC SHIFT <i>Shashi Prakash SHARMA and Marta KIS</i>	107-WED-P1700-0225
	THREE-DIMENSIONAL CONJUGATE GRADIENTS INVERSION OF MAGNETOTELLURIC IMPEDANCE TENSOR <i>CHANGHONG LIN, Handong Tan, Tuo Tong</i>	107-WED-P1700-0520
	A REALISTIC 3-D RESISTIVITY MODEL EXPLAINING ANOMALOUS LARGE MAGNETOTELLURIC PHASES <i>HIROSHI ICHIHARA, Toru Mogi</i>	107-WED-P1700-0596
	PROCESSING OF MAGNETOTELLURIC DATA - A COMPARATIVE STUDY WITH 4 AND 6 ELEMENT IMPEDENCE TENSOR ELEMENTS <i>MOTHE SHIREESHA and T. Harinarayana</i>	107-WED-P1700-0611
	3D MODELLING OF RANDOMLY DISTRIBUTED MEDIA TO INVESTIGATE EM RESPONSE OF RESISTIVE HETEROGENEOUS TARGETS <i>REZA A. MIR, R. Nigel Edwards</i>	107-WED-P1700-0638
	MODIFICATIONS ON WSINV3DMT TO APPLY SEAFLOOR MT DATA <i>NORIKO TADA, Kiyoshi Baba, Weerachai Siripunvaraporn, Makoto Uyeshima, Hisashi Utada</i>	107-WED-P1700-0694
	JOINT 2D MT/MV INVERSION IN HIGH MOUNTAINES: IMITATION STUDIES <i>ELENA SOKOLOVA, Ivan Varentsov, Natalia Baglaenko, Nina Golubtsova, Pavel Ivanov, Pavel Pushkarev, NARYN WG</i>	107-WED-P1700-0902
	COMBINED NLCG /SBI MAGNETOTELLURIC DATA INVERSION FOR RECOGNITION OF COMPLEX GEOLOGICAL STRUCTURES <i>MICHAL STEFANIUK</i>	107-WED-P1700-1263
	POSSIBILITY OF THREE-DIMENSIONAL MAGNETOTELLURIC (MT) INVERSION BY USING MT PHASE TENSOR DATA <i>TAKAO KOYAMA</i>	107-WED-P1700-1278
	BASIC FEATURES AND NOISE SENSITIVITY OF MAGNETOTELLURIC INVARIANT IMAGES <i>ATTILA NOVÁK, Antal Ádám, László Szarka</i>	107-WED-P1700-1326
	I.15 Rock magnetism: theory, experiments and observations Aula Chaired by: Adrian Muxworthy, Claire Carvallo	
17:00	AN ORIGIN OF THE REVERSED REMANENT MAGNETIZATION OF ROCKS <i>OTO ORLICKÝ</i>	115-WED-P1700-0066
	MAGNETIC SUSCEPTIBILITY EXPERIMENTAL STUDY OF THE ROCKS FROM NORTH-WESTERN PART OF DNIEPER-DONETS DEPRESSION <i>VIKTORIJA DRUKARENKO, Mykhailo Orliuk</i>	115-WED-P1700-0161
	HALL PROBE SCANNER FOR ANALYSIS OF MAGNETIZATION OF POLISHED SECTIONS <i>GUNTHER KLETETSCHKA, Allen Lunsford, Lisa Petrochilos, and Mike Fuller</i>	115-WED-01115-0592

ON UPPER BOUNDS OF IN SITU PIEZOMAGNETIC STRESS SENSITIVITY IN THE EARTH'S CRUST - A CASE OF THE MW6.6 NOTO EARTHQUAKE 2007, JAPAN

KEN'ICHI YAMAZAKI, Makoto Uyeshima, Naoto Oshiman, Ryokei Yoshimura

115-WED-P1700-0954

ROCK MAGNETIC PROPERTIES OF A HOLOCENE LAMINATED SEQUENCE FROM THE GULF OF CALIFORNIA

JAIME URRUTIA FUCUGAUCHI

115-WED-P1700-0741

II.04 Solar and lower atmospheric forcing of the middle atmosphere-ionosphere system

Lyceum Gymnastic Hall, level 1

Chaired by: **Dora Pancheva**

17:00	ANALYSIS OF MEAN WINDS AND ATMOSPHERIC TIDES AT MIDDLE AND LOWER LATITUDES IN SOUTH HEMISPHERE <i>VANIA FATIMA ANDRIOLI, Paulo Prado Batista, Barclay Robert Clemesha, Nelson Jorge Schuch</i>	204-WED-P1700-0132
	THE VARIABILITY OF THE MID-LATITUDE MLT WINDS RESPONSE ON THE EXTERNAL FORCING <i>Edward KAZIMIROVSKY, Galina Vergasova</i>	204-WED-P1701-0004
	TO THEORETICAL MODELING OF ACOUSTIC-GRAVITY WAVES PROPAGATION IN THE NONISOTHERMIC ATMOSPHERE <i>OLGA SAVINA</i>	204-WED-P1702-0278
	AN EMISSION LAYER AS A GRAVITY WAVE DETECTOR <i>ALEXEY BELYAEV</i>	204-WED-P1703-0594
	SIMULTANEOUS TEMPERATURE MEASUREMENTS OF THE UPPER MESOSPHERE OBTAINED BY LIDAR AND AIRGLOW IN THE BRAZILIAN LOW LATITUDE SECTOR <i>FERNANDA FERNANDES, Dale Simonich, Alexandre Pimenta, Delano Gobbi, Barclay Clemesha</i>	204-WED-P1704-0139
	THE SOLAR INFLUENCE ON THE VERTICAL PROPAGATION CONDITION OF THE ANNUAL AND SEMIANNUAL OSCILLATIONS IN THE MIDDLE ATMOSPHERE <i>GURYANOV VLADIMIR</i>	204-WED-P1705-1182
	ADDITIONAL RADIATIVE COOLING OF THE MESOPAUSE REGION DUE TO SMALL-SCALE TEMPERATURE FLUCTUATIONS ASSOCIATED WITH GRAVITY WAVES <i>ALEXANDER KUTEPOV, Uwe Berger, Artem Feofilov, Alexander Medvedev</i>	204-WED-P1706-0944
	SODIUM LIDAR MEASUREMENTS OF ZONAL MOMENTUM FLUX IN THE POLAR WINTER MESOPAUSE REGION <i>BIFFORD P. WILLIAMS, David C. Fritts, Bernd Kaifler, Ulf-Peter Hoppe</i>	204-WED-P1707-0951
	WAVE ACTIVITY MANIFESTATION DURING WINTER STRATOSPHERIC WARMING ON LIDAR OBSERVATIONS <i>Semyen V. Nikolashkin, S. V. Titov, V. M. Ignatyev</i>	204-WED-P1708-0962
	THE CAUSES OF THE ATMOSPHERIC HEATING <i>CARLOS J. ZAMLUTTI</i>	204-WED-P1709-0434
	PECULIARITIES OF DYNAMICS OF THE GLOBAL ELECTRIC CIRCUIT ELEMENTS DURING VERY LOW SOLAR ACTIVITY <i>Makarova Liudmila, Shirochikov Alexander</i>	204-WED-P1710-0111
	REPRESENTAION OF THE GLOBAL ATMOSPHERIC ELECTRIC CIRCUIT BY „EGATEC” <i>ANNA ODZIMEK, Mark Lester</i>	204-WED-P1711-0908
	MODELLING THE EFFECT OF SOLAR AND GEOMAGNETIC ACTIVITY ON THE ELECTRIC CURRENTS IN THE GLOBAL ATMOSPHERIC ELECTRICAL CIRCUIT <i>PETER TONEV, Peter Velinov</i>	204-WED-P1712-0333
	THE LOW IONOSPHERE ELECTRON DENSITY CHANGES DURING EVENTS OF THE EXTREME SOLAR ACTIVITY AS DEDUCED FROM VLF MEASUREMENTS <i>ALEKSANDRA KOLARSKI, Vida Žigman, Davorka Grubar</i>	204-WED-P1713-0341
	VARIABILITY OF SPORADIC E LAYER IN MIDLATITUDES <i>PETRA SAULI, Dan Kouba, Alain Bourdillon, Josef Boska</i>	204-WED-P1715-0704

	GEONET-TEC OVER JAPAN DURING GEOMAGNETICALLY QUIET AND SEISMICALLY ACTIVE PERIOD <i>ELVIRA ASTAFYEVA, Kosuke Heki</i>	204-WED-P1716-0298
	IONOSPHERE WAVE PACKETS EXCITED BY THE SOLAR TERMINATOR: AGW OR MHD ORIGIN? <i>E. L. Afraimovich, Elvira I. Astafyeva, S. V. Voeykov, I. K. Edemskiy, Yu. V. Yasukevich</i>	204-WED-P1717-0976
	VERTICAL CHARACTERISTICS OF MIDLATITUDE E AND F REGION IONOSPHERIC DRIFTS <i>JOSEF BOŠKA, Daniel Kouba, Petra Šauli</i>	204-WED-P1718-1069
	QUIET AND STORMY TIME foF2 AND hmF2 VARIABILITY OVER MIDDLE LATITUDES AS IT WAS OBSERVED AND MODELLED <i>DALIA BURESOVA, Lee-Anne McKinnell, Marta Mosert, Tereza Sindelarova, Jaroslav Chum</i>	204-WED-P1719-0711
	THE OBSERVATION OF IONOSPHERE RESPONSE AT PARTIAL SOLAR ECLIPSES <i>IURI V. CHERNIAK, V. N. Lysenko</i>	204-WED-P1720-0307
	PROPAGATION OF IONOSPHERIC DISTURBANCES AS MEASURED BY MULTIPOINT CONTINUOUS DOPPLER SOUNDING OVER THE CZECH REPUBLIC: FIRST RESULTS <i>JAROSLAV CHUM, F. Hruška, J. Laštovička, D. Burešová, T. Šindelářová</i>	204-WED-P1721-0769
	IONOSPHERIC REFLECTION OF THE MAGNETIC ACTIVITY DESCRIBED BY THE NEW INDEX ? <i>BEATA DZIAK-JANKOWSKA, Iwona Stanislawska, Tomasz Ernst</i>	204-WED-P1722-0698
	DOPPLER TYPE OBSERVATIONS OF IONOSPHERIC WAVES EMITTED BY NATURAL SOURCES <i>TEREZA SINDELAROVA, Jaroslav Chum, Dalia Buresova</i>	204-WED-P1723-0666
	SOME SIGNATURES OF THE STRATOSPHERE/ IONOSPHERE DYNAMICAL COUPLING AT MID-LATITUDES <i>GALINA GORDIYENKO</i>	204-WED-P1724-1331
	THE PHOTON-PLASMON TRANSITIONS AND DIAGNOSTICS OF THE SPACE PLASMA TURBULENCE <i>OLGA KHETSELIUS, Alexander Glushkov</i>	204-WED-P1725-0360
	NUMERICAL MODELING OF THE IONOSPHERIC EFFECTS OF SOLAR FLARES <i>VLADIMIR KLIMENKO, Yury Koren'kov, Maxim Klimenko</i>	204-WED-P1726-0092
	MONITORING E-REGION PLASMA DRIFT MOTION <i>DANIEL KOUBA, Petra Sauli, Josef Boska, Tereza Sindelarova, Ondrej Santolik</i>	204-WED-P1727-0683
	II.05 Energetic particle precipitation into the atmosphere: sources and consequences Lyceum Gymnastic Hall, level 1 Chaired by: Craig J. Rodger, Marc A. Cliverd	
17:00	ENERGETIC SOLAR PARTICLES DURING LAST 3 CYCLES <i>AHMED A. HADY</i>	205-WED-P1700-0005
	RESPONSE OF THE ATMOSPHERE ON THE SECOND DAY AFTER PARTICLE PRECIPITATION <i>IRINA A. MIRONOVA</i>	205-WED-P1701-0204
	INFLUENCE OF GEOMAGNETIC SUBSTORM ON COSMIC NOISE ABSORPTION AND ATMOSPHERIC ELECTRICITY AT A SUB-AURORAL LOCATION <i>Anand K. Singh, BASHIR M. PATHAN, A. K. Sinha</i>	205-WED-P1702-0416
	GENERATION OF COUPLED MAGNETIC AND PARTICLE PCS PULSATIONS AT THE RECOVERY PHASE OF THE STRONG MAGNETIC STORMS <i>V. A. PILIPENKO, Vladimir B. Belakhovsky</i>	205-WED-P1703-0398
	RING CURRENT: AN ADDITIONAL HEAT SOURCE FOR THE NEUTRAL UPPER-ATMOSPHERE <i>ERZSÉBET ILLÉS-ALMÁR</i>	205-WED-P1704-0079
	IONIZATION OF LOW-MID ATMOSPHERE DUE TO STRONG SOLAR PARTICLE EVENTS <i>ILYA G. USOSKIN, A. J. Tylka, G. A. Kovaltsov, W. F. Dietrich</i>	205-WED-P1705-0209

	GEOMAGNETIC ACTIVITY AND POLAR SURFACE AIR TEMPERATURE VARIABILITY <i>ANNIKA SEPPÄLÄ, Cora E. Randall, Mark A. Clilverd, Eugene Rozanov, Craig J. Rodger</i>	205-WED-P1706-0301
	IONOSPHERIC SIGNATURES OF SOLAR FLARES <i>ETIENNE KOEN, Andrew Collier</i>	205-WED-P1707-0508
	LONG DISTANCE MONITORING OF THE LOWER IONOSPHERE: THE GLOBAL AARDDVARK SENSORS <i>CRAIG J. RODGER, Mark A. Clilverd, AARDDVARK team</i>	205-WED-P1708-0537
	BEAM PATTERN CALIBRATION OF THE HALLEY (76S, 27W) IMAGING RIOMETER <i>TRACY MOFFAT-GRIFFIN, Robert E Hibbins, Martin J Jarvis</i>	205-WED-P1709-0732
	VLF RADIO PROPAGATION CONDITIONS: COMPUTATIONAL ANALYSIS TECHNIQUES <i>SHERRY BREMNER, Andrew Collier</i>	205-WED-P1710-0351
	ON THE NEAR GROUND LEVEL ELECTRIC FIELD RESPONSE TO FORBUSH DECREASES AT SWIDER OBSERVATORY <i>Z. Kobylnski, M. Kubicki, S. Michnowski</i>	205-WED-P1711-0344
	FRACTAL FEATURES IN THE TURBULENT PULSATIONS OF COSMIC PLASMA AND PLANETARY ATMOSPHERE SYSTEM <i>OLGA KHETSELIUS</i>	205-WED-P1713-0358
	ROCKET-BASED MEASUREMENTS OF ION VELOCITY, NEUTRAL WIND AND ELECTRIC FIELD IN THE COLLISIONAL TRANSITION REGION OF THE AURORAL IONOSPHERE <i>LAURELINE SANGALLI, D. Knudsen, M. Larsen, T. Zhan, R. Pfaff, D. Rowland</i>	205-WED-P1714-0798
	ENHANCED AURORA AND INSTABILITIES IN THIN, DENSE, HEAVY ION IONIZATION LAYERS <i>JAY R. JOHNSON, Edgar Choueiri</i>	205-WED-P1715-0930
	PARTICLE ENERGIZATION IN DIAMAGNETIC REGIONS <i>ANTONIUS OTTO</i>	205-WED-P1716-1260

	V.07 Results from the decade of geopotential research and future prospects Lyceum Gymnastic Hall, level 1 Chaired by: Nils Olsen, Vincent Lesur	
17:00	STATISTICAL DEPENDENCE OF AURORAL IONOSPHERIC CURRENTS ON SOLAR WIND AND GEOMAGNETIC PARAMETERS FROM 5 YEARS OF CHAMP SATELLITE DATA <i>Liisa Juusola, Kirsti Kauristie, Olaf Amm, Patricia Ritter, ARI VILJANEN</i>	507-WED-P1700-0519
	CHAOS-2: A GEOMAGNETIC FIELD MODEL DERIVED FROM ONE DECADE OF CONTINUOUS SATELLITE DATA <i>NILS OLSEN, Mioara Manda, Terence J. Sabaka, and Lars Tøffner-Clausen</i>	507-WED-P1701-1022
	FROM SWARM DATA VALIDATION TO FAST DIAGNOSIS OF SWARM SYSTEM PERFORMANCE <i>ROGER HAAGMANS, Gernot Plank, Stavros Kotsiaros, Nils Olsen</i>	507-WED-P1702-0697
	CRUSTAL DEFORMATION DEDUCED FROM GRAVITY AND GEODETIC DATA OF THE HIGH DAM AREA, ASWAN, EGYPT <i>GAMAL HASSAN</i>	507-WED-P1703-0911
	ANALYSIS OF SECULAR VARIATIONS OF GEOMAGNETIC FIELD AND HORIZONTAL GRADIENT IN CHINA USING IGRF10 <i>SUN HAN, An Zhen-Chang, Mao Fei, Liu Shi-Jun, Feng Yan</i>	507-WED-P1704-0222
	STUDY ON DISTRIBUTION OF HORIZONTAL GRADIENT OF GEOMAGNETIC FIELD IN CHINA USING THE SURFACE SPLINE METHOD <i>MAO FEI, An Zhen-chang, Sun Han, Liu Shi-jun, Feng Yan</i>	507-WED-P1705-0221

DC.01 Atmospheric coupling processes in the equatorial region

Lyceum Gymnastic Hall, level 0

Chaired by: **Subramanian Gurubaran**

17:00	CHARACTERISTICS OF SAO AND AO IN EQUATORIAL MIDDLE ATMOSPHERIC TEMPERATURE PATTERN <i>AMITAVA GUHARAY, Debashis Nath, Pitambar Pant, Bimal Pande, Kavita Pandey</i>	D01-WED-P1700-0040
	F3 LAYER OVER THE DIP EQUATOR - A CASE STUDY OF THE EQUATORIAL THERMOSPHERE-IONOSPHERE DYNAMICS DURING ACTIVE SPACE WEATHER EVENTS <i>TARUN KUMAR PANT, V. Sreeja, Sudha Ravindran, R. Sridharan, Diwakar Tiwari, S. Alex</i>	D01-WED-P1700-0197
	STUDIES OF OI 630.0 nm NIGHT AIRGLOW AND GPS-TEC OBSERVATIONS DURING THE GEOMAGNETIC STORM AT LOW LATITUDE <i>D. J. SHETTI, G. K. Mukherjee, M. Fedrizzi, D. Thompson, A. K. Sharma, P. T. Patil, R. V. Bhonsale, D. M. Moeketsi</i>	D01-WED-P1700-0200
	CHARACTERISTICS OF HIGH FREQUENCY GRAVITY WAVES OBSERVED IN OH NIGHTGLOW FROM LOW LATITUDE INDIAN REGION DURING JANUARY AND FEBRUARY 2007 <i>V. LAKSHMI NARAYANAN, S. Gurubaran and K. Emperumal</i>	D01-WED-P1700-0214
	CHEMICAL COMPOSITION OF RAINWATER IN RAIPUR <i>BALRAM AMBADE and K. S. Patel</i>	D01-WED-P1700-0444
	MESOPAUSE REGION TEMPERATURE STRUCTURE AT SAO JOSÉ DOS CAMPOS <i>BARCLAY CLEMESHA, Dale Simonich, Paulo Batista and Goutao Yang</i>	D01-WED-P1700-0577
	OBSERVATION OF TWO SIMULTANEOUS MESOSPHERIC FRONT IN THE OH, O2 AND OI5557 AIRGLOW EMISSIONS <i>C. M. WRASSE, J. Fachine, A. F. Medeiros, H. Takahashi, P. P. Batista, B. R. Clemesha, L. M. Lima, M. G. Mlynczak, J. M. Russell</i>	D01-WED-P1700-1116
	SEASONAL VARIABILITY AND DISSIPATION OF TIDES IN THE MESOPAUSE REGION OVER MAUI, HAWAII <i>Xian Lu, ALAN Z LIU, Steven Franke</i>	D01-WED-P1700-1226
	SHORT TIME VARIATIONS OF DIURNAL TIDES ASSOCIATED WITH NONLINEAR INTERACTIONS WITH PLANETARY WAVES IN THE MLT REGION AT 7.4°S <i>LOURIVALDO M. LIMA, Edvaldo O. Alves, Paulo P. Batista, Barclay R. Clemesha</i>	D01-WED-P1700-1288

Evening programmes:

- 19:00 Division I Evening: Auditorium Green
- 19:00 Division II Evening: Theatre
- 19:00 Division III Evening: Educator's Hall
- 19:00 Division V Evening: Pannonia

Thursday, 27 August

Block 1. 08:30–10:00

ASSOCIATION LECTURE 2

LFCCC Liszt with live video broadcast in LFCCC Petőfi

THE MESOSPHERE AS A LINK IN SUN-CLIMATE RELATIONSHIPS

Alan Rodger

Chaired by: **Eigil-Friis Christensen**

Coffee Break (10:00–10:30)

LFCCC First Floor, Theatre First Floor, Pannonia, Aula

Block 2. 10:30–12:00

I.04 Near surface and environmental studies using electromagnetic induction

Auditorium Bourdon

Chaired by: **Gad El-Quady, Andre Revil**

10:30	MAGNETOTELLURIC AND RADIO-MAGNETOTELLURIC, AN EXAMPLE FROM MIDSOMMAR ISLAND, SWEDEN <i>IDA HOUSHYARI</i>	104-THU-01030-0039
10:45	VERY LOW FREQUENCY ELECTROMAGNETIC OBSERVATIONS IN THE HIGH ALTITUDE REGION OF NORTH SIKKIM, INDIA <i>SHASHI P. SHARMA, K. Anbarasu, S. Gupta and A. Sengupta</i>	104-THU-01045-0191
11:00	APPLICATION OF THE MT AND CSAMT METHOD TO GEOTHERMAL EXPLO- RATION AT WUHAN FIELD <i>Guiju Wu, Xiangyun Hu, KANGSOP KIM</i>	104-THU-01100-0313
11:15	A PILOT STUDY OF UNDERGROUND AUDIO-MAGNETOTELLURIC (AMT) MEASUREMENTS AND ITS APPLICATION FOR THE MINING INDUSTRY <i>Colin Hogg, ALAN G. JONES, Jessica Spratt and James A. Craven</i>	104-THU-01115-0845
11:30	GROUND ELECTRICAL SOURCE AIRBORNE TRANSIENT EM (GREATEM) RESPONSE FOR 3D STRUCTURE <i>TORU MOGI and Elena Fomenko</i>	104-THU-01130-1149

I.16 Environmental magnetism and biomagnetism

Auditorium Green

Chaired by: **Michael Winklhofer, Ana M. Sinito**

10:30	PEDOGENIC IRON OXIDES IN SOILS: MAGNETIC CHARACTERIZATION AND I LINK TO THE CLIMATE <i>RAMON EGLI</i>	116-THU-01030-0784
11:00	ROCK MAGNETIC AND DRS CHARACTERISTICS OF LOESS-PALAEOSOL SEDIMENTS FROM BULGARIA AND THEIR LINK TO PALAEOENVIRON- MENTAL CONDITIONS <i>DIANA JORDANOVA, Neli Jordanova and Tomas Grygar</i>	116-THU-01100-0824
11:15	PALEOCLIMATIC STUDIES ON LAKE SEDIMENTS FROM BUENOS AIRES PROVINCE (ARGENTINA) <i>ANA M. SINITO, María A. Irurzun, Claudia S. G. Gogorza, Marcos A. E. Chaparro, Ana M. Navas, Aldo Prieto</i>	116-THU-01115-0148
11:30	CHARACTERISTIC FINGERPRINTS OF THE LACUSTRINE SEDIMENTARY ENVIRONMENTS RETRIEVED FROM THE MAGNETIC SUSCEPTIBILITY RECORDS IN THE WETLANDS OF SOUTHEASTERN ROMANIA; GEOECOLOGICAL INFERENCES <i>SORIN-CORNELIU RĂDAN, Silviu Rădan</i>	116-THU-01130-1035
11:45	THE APPLICATION OF MAGNETIC SUSCEPTIBILITY TO UNRAVELING SEDIMENTATION HISTORIES IN STREAM VALLEYS OF THE MID-ATLANTIC PIEDMONT, UNITED STATES <i>Robert C. Walter, Dorothy J. Merritts, ROB STERNBERG, Stacey Sosenko, Isaac Weaver</i>	116-THU-01145-1185

II.02 New findings concerning the polar summer mesosphere/lower thermosphere/iono-sphere region including the role of dusty plasmas
Painter's Hall
Chaired by: **Richard A. Goldberg, Franz-Josef Lübken**

10:30	EIGHT YEARS OF PMC OBSERVATIONS FROM ODIN/OSIRIS I SVETLANA PETELINA, Edward Llewellyn	202-THU-01030-0152
10:45	STRATOSPHERIC AND SOLAR CYCLE EFFECTS ON LONG TERM VARIABILITY OF MESOSPHERIC ICE CLOUDS FRANZ-JOSEF LÜBKEN, Uwe Berger, Gerd Baumgarten	202-THU-01045-0900
11:00	WATER VAPOR, TEMPERATURE, AND ICE PARTICLES IN POLAR MESOSPHERE AS MEASURED BY SABER/TIMED AND OSIRIS/ODIN INSTRUMENTS Artem G. Feofilov, S.V. Petelina, A.A. Kutepov, W.D. Pesnell and R.A. Goldberg	202-THU-01100-0939
11:15	POLAR MESOSPHERIC SUMMER ECHOES ABOVE ANTARCTICA IN SUMMER 2007/2008 HANS NILSSON, Sheila Kirkwood, Andrew R. Klekociuk, Ray J. Morris, Damian J. Murphy	202-THU-01115-0386
11:30	LONGITUDINAL DIFFERENCES OF THE PMSE STRENGTH AT HIGH ARCTIC LATITUDES WERNER SINGER, N. Swarnalingam, J.M. Wissing, R. Latteck, M.-B. Kallenrode, C. Meek, A.H. Manson, J. Drummond, W.K. Hocking	202-THU-01130-0932
11:45	CHARACTERISTICS OF NOCTILUCENT CLOUDS AND THEIR CONSTITUENTS ABOVE ALOMAR GERD BAUMGARTEN, Jens Fiedler, Franz-Josef Lübken	202-THU-01145-1139

II.04 Solar and lower atmospheric forcing of the middle atmosphere-ionosphere system
Theatre
Chaired by: **Robert Vincent**

10:30	GRAVITY WAVE COUPLING INTO THE THERMOSPHERE AND IONOSPHERE UNDER VARYING SOLAR CONDITIONS DAVE FRITTS	204-THU-01030-0918
11:00	QBO AND SOLAR INFLUENCES ON POLAR MIDDLE ATMOSPHERE DYNAMICS MARTIN J. JARVIS, Robert E. Hibbins, Hua Lu, Elaina A. K. Ford	204-THU-01100-1060
11:15	MODELING THE ELECTROMAGNETIC SIGNATURES OF LOWER-THERMOSPHERIC WINDS ARTHUR D. RICHMOND, A. Maute, T.W. Fang, S. Guillas, J. Rougier	204-THU-01115-0967
11:45	CLIMATOLOGY OF THE STATIONARY PLANETARY WAVES SEEN IN THE SABER/TIMED TEMPERATURES (2002-2007) DORA PANCHEVA, Plamen Mukhtarov, Borislav Andonov	204-THU-01145-0119

III.03 Magnetosphere-ionosphere interactions and auroral processes
LFCCC Petőfi
Chaired by: **William Lotko**

10:30	CHALLENGES FOR MODELS OF MAGNETOSPHERE-IONOSPHERE INTERACTIONS JOACHIM VOGT	303-THU-01030-0422
11:00	CRITICAL TEST OF THE DIRECTLY DRIVEN CURRENT SYSTEM CONCEPT J. W. Gjerloev, R. A. Hoffman, S. Ohtani	303-THU-01100-1251
11:15	IONOSPHERIC CONTROL OF AURORAL OCCURRENCE KAN LIQU, Yongliang, Zhang, Patrick Newell, and Larry Paxton	303-THU-01115-1227
11:30	REDUCING NUMERICAL DIFFUSION AND ITS EFFECTS ON THE MAGNETOSPHERE-IONOSPHERE COUPLING IN GLOBAL MAGNETOSPHERE SIMULATIONS GABOR TOTH, Xing Meng, Tamas Gombosi	303-THU-01130-0624

III.06 Techniques and instrumentation in space plasma physics
Educator's Hall
Chaired by: **David Cooke**

10:30	DIAGNOSTICS OF HEIGHT DISTRIBUTION OF THE IONOSPHERE ELECTRON DENSITY ON THE BASE OF FORMOSAT 3 / COSMIC MEASUREMENTS IRINA ZAKHARENKOVA, Irk Shagimuratov, Andrzej Krankowski, Anna Krypiak-Gregorczyk, Anatoly Lagovsky	306-THU-01030-0194
10:45	PLASMASPHERE/IONOSPHERE DENSITY MODELS DERIVED FROM RADIO SOUNDING OBSERVATIONS BODO W. REINISCH	306-THU-01045-0437
11:00	EISCAT_3D - NEW GENERATION LARGE SCALE INCOHERENT SCATTER RADAR FACILITY IN NORTHERN SCANDINAVIA ESA TURUNEN	306-THU-01100-1267
11:15	THE MEASUREMENTS OF IONOSPHERE PLASMA ELECTRON DENSITY BY THE KHARKIV INCOHERENT SCATTER RADAR IURI CHERNIAK, Valery Lysenko	306-THU-01115-0206
11:30	THE INFLUENCE OF THE LOSS ON THE SIGNAL-FORM IN THE INTERPLANETARY/EARTH'S ATMOSPHERE ORSOLYA E. FERENCZ	306-THU-01130-0285
11:45	LOW COST FLUXGATE MAGNETOMETER DEVELOPMENT USING PROGRAMABLE LOGIC CONTROLLER FOR SAMA MONITORING IN SOUTH OF BRAZIL CASSIO ESPINDOLA ANTUNES, Alexandre Campos, Nalin Babulal Trivedi, Nelson Jorge Schuch, Fernando de Souza Savian, Josemar Siqueira	306-THU-01145-0346

V.04 Application, history and evolution of geomagnetic indices
Pannonia
Chaired by: **Michel Menvielle, N. Nagarajan**

10:30	MAGNETIC SOLAR FLARE EFFECTS (SFES), X-RAY FLARES AND THE CARRINGTON FLARE REVISITED ELLEN CLARKE, Craig Rodger, Orsolya Baillie, Mark Clilverd and Alan Thomson	504-THU-01030-0713
10:45	THE POLAR CAP (PC) INDEX. PRESENT (UNIFIED) AND PAST INDEX CALCULATIONS PETER STAUNING, Oleg Troshichev, Alexander Janzhura	504-THU-01045-1083
11:15	AVAILABILITY OF THE PLANETARY GEOMAGNETIC INDICES Kp, ap, Ap, Cp AND C9 HANS-JOACHIM LINTHE	504-THU-01115-0445
11:30	THE CALM DAYS IN THE TRELEW MAGNETIC OBSERVATORY JULIO CESAR GIANBELLI, y Nicolás Quaglino	504-THU-01130-1308
11:45	THE AA DATA SERIES REVISITED MICHEL MENVIELLE	504-THU-01145-1335

Lunchtime (12:00-13:30)

Block 3. 13:30-15:00

I.04 Near surface and environmental studies using electromagnetic induction
Auditorium Bourdon
Chaired by: **Gad El-Quady, Andre Revil**

13:30	ACIDITY-SALINITY RELATIONSHIP IN GOLD MINE TAILINGS IN NOPIMING PROVINCIAL PARK, MANITOBA, CANADA IAN FERGUSON, Cassandra Tycholiz, Barbara Sherriff, Marcos Cordeiro, Ranjan Sri Ranjan	104-THU-01330-1157
13:45	EARTHQUAKE-INDUCED LANDSLIDES GEOHAZARD ASSESSMENT (SOUTH SUBCARPATHIANS) BY USING ELECTROMAGNETIC DATA Dumitru STANICA and Maria STANICA	104-THU-01345-0376

14:00	USING MAGNETIC METHOD FOR DETERMINING CHARACTERISTICS OF FAULT ZONE IN ARAK, MARKAZI PROVINCE, IRAN <i>MOHAMMADALI KARIMI, Mahmoud Mirzaei</i>	104-THU-01400-1344
14:15	RECONSTRUCTING THE GEOLOGICAL HISTORY OF THE EGYPTIAN NILE: ASWAN - KOM OMBO PHASE <i>ELHAMY TARABEES, Leslie Lansbery, Jeff Roden, Gad El-Qady, Abdelaziz El-Haddad, Estella Atekwana, John Hogan and Mohamed Abdelsalam</i>	104-THU-01415-0347
14:30	THE SEGMENTED RECEIVER SETUP FOR TDEM <i>NICKLAS SKOVGAARD NYBOE, Kurt Ingvar Sørensen</i>	104-THU-01430-1216
14:45	APPLICATION OF MEMBRANE POLARIZATION FOR STUDYING <i>VALERIYA ZADOROZHNYAYA, Leonie Mare</i>	104-THU-01445-1352
I.16 Environmental magnetism and biomagnetism Auditorium Green Chaired by: Ana M. Sinito, Christop Geiss		
13:30	MAGNETIC CHARACTERISATION OF SOILS IN A HISTORICAL MINING DISTRICT <i>ROBERT SCHOLGER, Alexandra Lafner</i>	116-THU-01330-0524
13:45	PRESENCE OF TECHNOGENIC MAGNETIC PARTICLES IN FOREST TOPSOIL IN THE VICINITY OF INDUSTRIAL AND URBAN AREAS <i>TADEUSZ MAGIERA, Mariola Jabłońska, Zygmunt Strzyszc</i>	116-THU-01345-0820
14:00	ENVIRONMENTAL MAGNETISM OF SEDIMENTS FROM THE RED SEA: UNDERPINNING THE CHRONOLOGY OF SEA LEVEL CHANGE THROUGH MARINE ISOTOPE STAGE 3 <i>ANDREW P. ROBERTS, Eelco J. Rohling and Katharine Grant</i>	116-THU-01400-1268
14:30	MILLENNIAL-SCALE QUASI-PERIODICITIES RECORDED AT PERMO-CARBONIFEROUS RHYTHMITES (PARANÁ BASIN, BRAZIL): ARE „BOND CYCLES” A PERMANENT FEATURE THROUGHOUT THE PHANEROZOIC? <i>DANIEL FRANCO, Marcia Ernesto, Linda Hinnov</i>	116-THU-01430-1223
14:45	APPLICATION OF MAGNETIC SUSCEPTIBILITY ON PALAEOZOIC SEDIMENTARY ROCKS <i>SIMO SPASSOV, Anne-Christine da Silva, Michael T. Whalen, Jindrich Hladil, Daizhao Chen, Frederic Boulvain, Xavier Devleeschouwer</i>	116-THU-01445-0999
II.02 New findings concerning the polar summer mesosphere/lower thermosphere/iono-sphere region including the role of dusty plasmas Painter's Hall Chaired by: Richard A. Goldberg, Franz-Josef Lübken		
13:30	THE AERONOMY OF ICE IN THE MESOSPHERE MISSION: SCIENCE RESULTS AFTER FOUR PMC SEASONS <i>James M. Russell III, Scott M. Bailey, Mark E. Hervig, Cora Randall, Larry L. Gordley and the AIM Science Team</i>	202-THU-01330-0482
13:45	MESOSPHERIC AEROSOL PARTICLES STUDIED WITH IN SITU TECHNIQUES: AN OVERVIEW OF RESULTS FROM THE ECOMA-PROJECT <i>Markus Rapp</i>	202-THU-01345-0819
14:00	DISSIPATIVE INSTABILITIES IN MESOSPHERIC DUSTY PLASMA: INFLUENCE OF CHARGING PROCESSES <i>VERONIKA S. GRACH</i>	202-THU-01400-0218
14:15	CHARGE STATE OF THE MESOSPHERIC SMOKE PARTICLES <i>IRINA STRELNIKOVA, Markus Rapp, Jonas Hedin, Jürgen Röttger, Torsten Köpnick</i>	202-THU-01415-1081
14:30	METEORIC AEROSOLS IN THE MIDDLE ATMOSPHERE <i>LINDA MEGNER, Jörg Gumbel</i>	202-THU-01430-0473

14:45	FIRST SATELLITE OBSERVATIONS OF METEORIC SMOKE IN THE UPPER ATMOSPHERE <i>MARK HERVIG, Larry L. Gordley, Lance E. Deaver, David E. Siskind, Michael H. Stevens, James M. Russell III, Scott M. Bailey, Linda Megner and Charles G. Bardeen</i>	202-THU-01445-0504
II.04 Solar and lower atmospheric forcing of the middle atmosphere-ionosphere system Theatre Chaired by: Werner Singer		
13:30	PLANETARY WAVE TYPE OSCILLATIONS IN THE IONOSPHERE: DISTINGUISHING SOLAR FORCING AND COUPLING FROM BELOW <i>CLAUDIA BORRIES, Norbert Jakowski, Christoph Jacobi, Peter Hoffmann</i>	204-THU-01330-0479
13:45	IONOSPHERIC DISTURBANCES IN NORTH EASTERN REGION OF ASIA DURING SUDDEN STRATOSPHERIC WARMINGS <i>VLADIMIR KURKIN, Geliy Zherebtsov, Igor Orlov, Alexander Mikhalev, Alexander Beletsky, Irina Medvedeva, Olga Pirog, Konstantin Ratovsky, Boris Shpynev, Marina Chernigovskaya</i>	204-THU-01345-0446
14:00	ELECTRODYNAMIC FORCING OF IONOSPHERE FROM ABOVE AND BELOW <i>VYTENIS M. VASYLIŪNAS</i>	204-THU-01400-0565
14:30	PHOTOELECTRONS AS A TOOL TO EVALUATE SPECTRAL VARIATIONS IN SOLAR EUV IRRADIANCE OVER SOLAR CYCLE TIME SCALES <i>William K. Peterson, E. N. Stavros, P.G. Richards, P.C. Chamberlin, T. N. Woods, S. M. Bailey, S. C. Solomon</i>	204-THU-01430-0468
14:45	AERONOMY SCIENCE PROJECTS AT SOUTH OF BRAZIL <i>NELSON JORGE SCHUCH, Barclay Robert Clemesha, Kazuo Makita, Jean-Pierre Raulin, Alberto J. Foppiano Bachmann, Ricardo Monreal MacMahon, Julio César Gianibelli, Mangalathayil Ali Abdu, José Humberto Andrade Sobral, Emilia Correia, Clezio Marcos Denardin, Cassio Espindola Antunes, Juliano Moro, Vania Fatima Andrioli, Carlos Pinto da Silva Neto, Claudio Machado Paulo, Lilian Moor, Guilherme Lorensen</i>	204-THU-01445-0495
III.03 Magnetosphere-ionosphere interactions and auroral processes LFCCC Petőfi Chaired by: William Lotko		
13:30	ELECTROMAGNETIC COUPLING BETWEEN THE REGION-1 AND -2 FIELD-ALIGNED CURRENTS AND THE EQUATORIAL IONOSPHERE <i>TAKASHI KIKUCHI, Yusuke Ebihara, Kumiko K. Hashimoto, Tomoaki Hori, Ryuho Kataoka, Shin-Ichi Watari, and Nozomu Nishitani</i>	303-THU-01330-0610
14:00	A TIGHT LINKAGE BETWEEN STORM-TIME RING CURRENT AND SUBAUROAL FLOW <i>YUSUKE EBIHARA, Nishitani Nozomu, Mei-Ching Fok</i>	303-THU-01400-1125
14:15	A MODEL FOR WESTWARD AND EASTWARD SUBAUROAL ION DRIFTS <i>JOHAN DE KEYSER, Mirela Voiculescu, Michel Roth, Marius Echim</i>	303-THU-01415-0995
14:30	THE SOLAR WIND ORIGIN OF THE EQUATORIAL IONOSPHERE PARAMETERS VARIATION DURING GEOMAGNETIC STORMS <i>LILIA BIKTASH and T. MARUYAMA</i>	303-THU-01430-0310
14:45	INTERPLANETARY ALFVÉN WAVES INDUCING IONOSPHERIC DISTURBANCES OBSERVED BY GPS DATA <i>FERNANDO L. GUARNIERI, R. de Jesus, Y. Sahai, C. Brunini, M. Gende</i>	303-THU-01445-1181

III.06 Techniques and instrumentation in space plasma physics

Educator's Hall

Chaired by: **Orsolya E. Ferencz**

13:30	NEW OPERATIONAL SPACE WEATHER SENSORS <i>WILLIAM F. DENIG, Thomas Sotirelis, Vince Grano</i>	306-THU-01330-1112
13:45	SOME NOVEL FEATURES OF CASSIOPE/EPOP INSTRUMENTS AND EXPERIMENTS <i>GORDON JAMES, Andrew Yau</i>	306-THU-01345-0403
14:00	MEASURING ELECTRON TEMPERATURE USING A PLANAR LANGMUIR PROBE <i>DAVID L. COOKE, John S. Machuzak</i>	306-THU-01400-0578
14:15	ELECTRON OPTICAL SIMULATIONS OF VARIABLE SENSITIVITY SYSTEMS FOR TOP HAT ELECTROSTATIC PLASMA ANALYSERS <i>GLYN COLLINSON and Dhiren Kataria</i>	306-THU-01415-1049
14:30	TOP HAT ELECTROSTATIC ANALYSER WITH ENHANCED FEATURES FOR IN-SITU PLASMA STUDIES <i>DHIREN KATARIA, Glyn Collinson, Louisa Bradley</i>	306-THU-01430-1095
14:45	RECENT ADVANCES IN AVALANCHE PHOTODIODES FOR PARTICLE DETECTION <i>KEIICHI OGASAWARA, Stefano A. Livi, David J. McComas</i>	306-THU-01445-0940

IV.07 Reporter reviews

LFCCC Liszt

Chaired by: **Mari Paz Miralles, Jorge Sanchez Almeida**

13:30	MAGNETOHYDRODYNAMICS OF THE SOLAR CONVECTION ZONE I <i>HENDRIK C. SPRUIT</i>	407-THU-01330-0097
14:15	THE NEW SOLAR COMPOSITION AND THE SOLAR METALLICITY I <i>NICOLAS GREVESSE</i>	407-THU-01415-0109

V.04 Application, history and evolution of geomagnetic indices

Pannonia

Chaired by: **Michel Menvielle, N. Nagarajan**

13:30	THIRTY YEARS OF DERIVATION OF GEOMAGNETIC INDICES AT THE WDC FOR GEOMAGNETISM, KYOTO AND LESSONS LEARNT I <i>TOSHIHIKO IYEMORI, Masahito Nose, Hiroaki Toh and Masahiko Takeda</i>	504-THU-01330-1363
14:00	INCREASED LOCAL TIME ACCURACY OF THE CORRECTED DST INDEX <i>KALEVI MURSULA, L. Holappa and V. Jordanova</i>	504-THU-01400-1206
14:15	A GUIDE FOR GEOMAGNETIC INDICES DERIVED FROM EARTH SURFACE DATA <i>HEATHER MCCREADIE and Michel Menvielle</i>	504-THU-01415-1313
14:30	ON THE USE OF MAGNETIC INDICES FOR GEOPHYSICS STUDIES I <i>AMORY-MAZAUDIER CHRISTINE</i>	504-THU-01430-0388

H.01 von Humboldt's legacy after 150 years

Lyceum

Chaired by: **Edward W. Cliver**

13:30	OVERVIEW: ALEXANDER VON HUMBOLDT - NATURAL PHILOSOPHER <i>INGO SCHWARZ</i>	H01-THU-01330-0841
14:00	ALEXANDER VON HUMBOLDT'S ROLES IN ENCOURAGING GEOMAGNETIC RESEARCH <i>GREGORY A. GOOD</i>	H01-THU-01400-0283
14:30	VON HUMBOLDT AND THE ESTABLISHMENT OF GEOMAGNETIC OBSERVATORIES <i>ALAN THOMSON</i>	H01-THU-01430-0566
14:45	THE CORE FIELD-SEEN BY VON HUMBOLDT <i>MIOARA MANDEA</i>	H01-THU-01445-0700

Coffee Break 15:00-15:30

LFCCC First Floor, Theatre First Floor, Pannonia, Aula

Block 4. 15:30-17:00

I.04 Near surface and environmental studies using electromagnetic induction

Auditorium Bourdon

Chaired by: **Gad El-Quady, Andre Revil**

15:30	DETERMINATION SITE EFFECT OF ZARQA CITY-JORDAN BASED ON MICROTREMORS FIELD MEASUREMENTS: A MICROZONATION STUDY <i>WALEED EID OLIMAT</i>	104-THU-P1530-0002
15:35	Cancelled	
15:40	FROM THE RESULTS OF THE OTKA PROJECT „NON-CONVENTIONAL GEOELECTRIC ARRAYS, K49604” <i>SÁNDOR SZALAI, Varga Mihály, Novák Attila, Szarka László</i>	104-THU-P1540-0141
15:45	Cancelled	
15:50	STUDY ON APPLICATION OF THE LOW-FREQUENCY ELECTROMAGNETIC SIGNALS IN EARTHQUAKE PREDICTION <i>GAO Shude, LIU Xiaofeng, LUO Weibin, DU Xuebin, SU Yonggang</i>	104-THU-P1550-0212
15:55	JOINT INVERSION OF VES AND TEM DATA FOR INVESTIGATION OF GEOTHERMAL RESOURCES AND SEA WATER INTRUSION AT HAMMAM MOUSA HOT SPRING, SINAI, EGYPT <i>GAD EL-QADY, Usama Massoud, Fernando Santos, El-Said Ragab, Sultan Awad</i>	104-THU-P1555-0382
16:00	MEASUREMENT OF ELECTRIC AND MAGNETIC FIELDS AND GRADIENTS IN THE CONDUCTIVE OCEANIC MEDIUM <i>DAVID CLARK</i>	104-THU-P1600-0402
16:05	FREQUENCY-DOMAIN ELECTROMAGNETIC INDUCTION METHOD FOR PASSIVE ENVIRONMENTAL STUDIES <i>Patricia Martinelli, ANA OSELLA</i>	104-THU-P1605-0534
16:10	LAYER-DISCONTINUITY INDICATIONS IN THE INDUCTION RESPONSE OF EM TRANSILLUMINATION MEASUREMENT <i>ERNŐ TAKÁCS</i>	104-THU-P1610-0540
16:15	AMT EXPERIENCES ON GRANITE ROCK - STUDY OF BÁTAPÁTI NUCLEAR WASTE DEPOSIT SITE <i>ANDRÁS MADARASI, Balázs Füsi</i>	104-THU-P1615-1162
16:20	AN EVALUATION OF THE SYNTHETIC EMITTER ARRAY METHOD IN GPR PROSPECTING <i>ANA OSELLA, Lorena Cedrina, Néstor Bonomo</i>	104-THU-P1620-0572
16:25	A MAGNETOTELLURIC STUDY TO DETERMINE CONDUCTIVE SALTY WATER STRUCTURES IN THE EAST OF ALAGOL LAKE, GOLESTAN PROVINCE, IRAN <i>BEROOZ OSKOOI, Bibi Rabea Sedaghat</i>	104-THU-P1625-0835
16:30	ELECTRIC FIELD VARIATIONS GENERATED BY GROUND MOTION AND THEIR APPLICATION TO GROUNDWATER RESEARCH <i>YOSHIMORI HONKURA, Masaki Matsushima, Yasuo Ogawa</i>	104-THU-P1630-0984
16:35	EFFECT OF CURRENT ELECTRODE POSITIONS AND OF GAUSSIAN NOISE ON TENSORIAL INVARIANTS <i>ATTILA NOVÁK, László Szarka, Mihály Varga</i>	104-THU-P1635-1113
16:40	RECOGNITION OF SHALLOW STRUCTURE OF OROGENIC AREA WITH APPLICATION OF AMT AND CSAMT SURVEY <i>MAREK WOJDYLA, Elzbieta Maj, Mariusz Slys, Michal Stefaniuk</i>	104-THU-P1640-1194
16:45	MONITORING OF WATER RESOURCES AND THEIR IMPACTS ON HAWARA ARCHEOLOGICAL SITE BY TRANSIENT ELECTROMAGNETIC METHOD <i>USAMA MASSOUD, Abbas M. Abbas, Hany Mesbah, El Said Ragab, Ayman Taha</i>	104-THU-P1645-0383

I.16 Environmental magnetism and biomagnetism

Auditorium Green

Chaired by: **Ana M. Sinito, Christop Geiss**

15:30	GREIGITE LAYER FORMATION BY NON-STEADY STATE SEDIMENTATION - A CASE STUDY FROM THE GULF OF MEXICO (IODP HOLE U1319A) <i>TILO VON DOBENECK, Yanzhe Fu, Christine Franke</i>	116-THU-01530-1355
16:00	THE MINERALOGY OF MAGNETOSOMES <i>MIHÁLY PÓSFAL, Ilona Nyirő-Kösa, Dorottya Csákberényi Nagy, Damien Faivre, Takeshi Kasama, Rafal Dunin-Borkowski</i>	116-THU-01600-1242
16:30	A GEOMAGNETIC STORM DECREASES COHERENCE OF OSCILLATIONS OF ELECTRIC POTENTIALS OF A HUMAN BRAIN <i>OLEG NOVIK</i>	116-THU-01630-0245
16:45	MAGNETOSENSORY STRUCTURES IN THE BEAK OF BIRDS - THEORETICAL ANALYSIS <i>VALERA SHCHERBAKOV, Michael Winklhofer</i>	116-THU-01645-1315

I.18 Open poster session

Aula, Council Room

Chaired by: **Neli Jordanova**

15:30	VERTICAL ELECTRICAL SOUNDINGS OVER WESTERN DECCAN VOLCANIC PROVINCE, INDIA <i>VINIT ERRAM, Gautam Gupta, B.D. Kadam</i>	118-THU-P1530-0067
	INTEGRATED GEOPHYSICAL STUDIES OF BARYATINO MAGNETIC ANOMALY AREA <i>Elena Aleksanova, Victor Kulikov, PAVEL PUSHKAREV, Nikolay Shustov, Maria Vereshchagina, Andrey Yakovlev</i>	118-THU-P1530-0072
	PALEOMAGNETIC AGE OF IRON-RICH LENSES IN DEVONIAN SANDSTONES, ESTONIA <i>PREEDEN ULLA, Mertanen Satu, Plado Jüri</i>	118-THU-P1530-0077
	MAGNETIC SURVEYING IN THE ROMAN AGE TOWN POROLISSUM (NW ROMANIA) <i>JUDIT PETROVSZKI, Tamás Lipovics, László Lenkey, Mihály Pethe, István Kudó, Gábor Kovács, Lénárd Pál, Donát Radb, Ádám Domján, Edith Ferencz, Mátyás Herein, István Bajusz</i>	118-THU-P1530-0252
	A PRELIMINARY SITE RESPONSE IN THE NILE DELTA BASIN (EGYPT) USING MICROTREMOR H/V SPECTRAL RATIO <i>ELHAMY TARABEES, Adel El-Shahat and Sherief El-Hady</i>	118-THU-P1530-0349
	LONG-TERM SUPERSENSITIVE MAGNETIC OBSERVATION AT EILAT TEST SITE <i>BORIS SHIRMAN, Boris Ginzburg, Ivan Hrvoic</i>	118-THU-P1530-0441
	IMPROVING MAGNETOTELLURIC TRANSFER FUNCTIONS QUALITY BY INCLUDING KNOWN DISTURBING SIGNALS TO THE PROCESSING <i>ANNE NESKA, Krzysztof Nowozynski, Cathrine Fox Maule, Tamara Worzewski</i>	118-THU-P1530-0472
	THE EFFECT OF WEATHER ON VLF MEASUREMENTS <i>BRETT DELPORT, Andrew B. Collier</i>	118-THU-P1530-0512
	CALCULATION OF PIEZOMAGNETIC FIELDS DUE TO UNIFORM REGIONAL STRESSES IN THE INHOMOGENEOUSLY MAGNETIZED CRUST <i>KEN'ICHI YAMAZAKI</i>	118-THU-P1530-0560
	EM INDUCTION INVESTIGATION OF THE LITOSPHERE BASED ON NETWORK MAGNETOMETER DATA IN EUROPE <i>ISTVAN LEMPERGER, Michel Menvielle, Jean-Louis Pincon, László Szarka, Pascal Tarits, Csaba Ubrankovics</i>	118-THU-P1530-0562
	EXTENDED HYBRID 3D LBM FOR FLOW DRIVEN CRACK PROBLEM UNDER MULTIPLE COUPLED FIELD IN HIGHLY MACRO-POROUS MATERIALS <i>BOJING ZHU, M. C. Sukop, Y. L. Shi, L. Florea and K. J. Cunningham</i>	118-THU-P1530-0643

EXPERIMENTAL STUDY OF FLY-ASH MIGRATION UNDER CONTROLLED WATER REGIME: TEMPERATURE AND MOISTURE CALIBRATION AND PRELIMINARY RESULTS ON SAND FORMATIONS

118-THU-P1530-0682

Aleš Kapička, Radka Kodešová, Hana Fialová, EDUARD PETROVSKÝ, Jan Kopáč

APPLICATION OF A TERRAIN MODEL IN THE INTERPRETATION AND EVALUATION OF A MAGNETIC SURVEY CARRIED OUT FOR ARCHAEOLOGICAL PURPOSES IN POROLISSUM, ROMANIA

118-THU-P1530-0707

Tamás Lipovics, JUDIT PETROVSZKI, István Kudó, Szilamér Pánczél, Alpár Dobos, Lóránt Vass, László Lenkey, István Bajusz

MAGNETIC PARTICLES AS SOURCE MARKERS OF STEEL-WORKS CONTRIBUTION TO PM10 IN ATMOSPHERE AT INDUSTRIAL MONITORING SITE *EDUARD PETROVSKÝ, Aleš Kapička, Bohumil Kotlík, Radek Zbořil, Jiří Novák and Hana Fialová*

118-THU-P1530-0774

CHARACTERIZATION OF INDOOR AND OUTDOOR DUST FROM MAJOR CITIES IN BULGARIA - PRELIMINARY RESULTS

118-THU-P1530-0825

Neli Jordanova, DIANA JORDANOVA, Petar Petrov, Todor Popov, Rajna Yankova, Tsenka Tsacheva, Dimo Dimov

APPLICATION OF GEOELECTRIC AND ELECTROMAGNETIC SURVEYS IN A DEPRESSION SYSTEM INVESTIGATION NEAR SOPRON

118-THU-P1530-0836

TÍMEA HAJNAL PRODÁN

ROCK MAGNETIC PROPERTIES AND MICROSCOPY OF OPHIOLITES: NORTHEASTERN CUBAN REGION

118-THU-P1530-0921

LUIS M. ALVA-VALDIVIA, J. A. Batista, M. L. Rivas-Sanchez and J. A. Blanco

GEOMAGNETIC FIELD INCLINATIONS AND ABSOLUTE PALEOINTENSITIES FOR A 350 KYR TIME GAP FROM THE 350 METER CORE OF THE KALIHI SCIENTIFIC DRILLING PROJECT FROM THE KOOLAU VOLCANO, O'AHU, HAWAII, USA *EMILIO HERRERO-BERVERA*

118-THU-P1530-0942

BROWN-BLACK COLORED OLIVINES IN SOME MARTIAN METEORITES (SNC): LABORATORY SIMULATION OF SHOCK RELATED NEOFORMATION OF STRONGLY MAGNETIC NANO PHASES (NATIVE FE-NI, MAGNETITE)

118-THU-P1530-0997

VIKTOR H. HOFFMANN, M. Funaki, M. Torii, T. Mikouchi, T. Kurihara

SURFACE FITTING METHODS - EXAMINATION ON A SYNTHETIC AND A FIELD MAGNETIC DATASET *ÁDÁM HERCZEG*

118-THU-P1530-1004

COMMON OSCILLATORY MODES IN GEOMAGNETIC ACTIVITY AND CLIMATE VARIABILITY AND THEIR PHASE RELATIONS *DAGMAR NOVOTNÁ, Milan Paluš*

118-THU-P1530-1009

ROCK MAGNETIC STUDY OF GREIGITE FORMATION AND STABILITY IN ODP HOLE 911A *KARL FABIAN, Jochen Knies, Kari Grøsfeld, Christoph Vogt*

118-THU-P1530-1043

APPROXIMATION OF MAGNETIC DATA SURFACE WITH ANN (ARTIFICIAL NEURAL NETWORK) METHOD *DÁNIEL SOÓS*

118-THU-P1530-1051

MAGNETIC FABRIC OF THE UPPER CARBONIFEROUS MOLASSE SEDIMENTS (UPPER SILESIA COAL BASIN, POLAND)

118-THU-P1530-1121

KATARZYNA SOBIEN, Jerzy Nawrocki, Tomasz Werner

INFLUENCE OF EEJ STRENGTH OF Y ON AEJ AND EEJ
A. THIAGARAJAN ARUNACHALAM

118-THU-P1530-1123

SP IRON OXIDES IN SOILS DEVELOPED ON LIMESTONES

118-THU-P1530-1189

HANA FIALOVÁ, Eduard Petrovský, Aleš Kapička, Neli Jordanova

	THE GLOBAL MAPPING OF THE LUNAR CRUSTAL MAGNETIC FIELD USING NEW EXTERNAL INTERNAL SEPARATION FIELD TECHNIQUES <i>M. C. BERGUIG, M. Hamoudi and Y. Cohen</i>	118-THU-P1530-1339
	THE DIURNAL AND SEASONAL VARIATIONS OF MAGNETIC FIELD ACTIVITY RECORDED AT NAGYCKEN GEOMAGNETIC STATION, AND THE SIMILARITY WITH EARTHQUAKE DISTRIBUTION OCCURRED IN 50KM VICINITY OF THE STATION <i>M. KISZELY MAROTINÉ</i>	118-THU-P1530-1367
	METHOD FOR REPAIRING MAGNETOSPHERE <i>TARA AHMADI</i>	118-THU-P1530-0055
	II.02 New findings concerning the polar summer mesosphere/lower thermosphere/iono-sphere region including the role of dusty plasmas Painter's Hall Chaired by: Richard A. Goldberg, Franz-Josef Lübken	
15:30	NEW METEOR HEAD ECHO OBSERVATIONS FOR IONIZATION PROFILING AND PRECISE ORBIT DETERMINATION WITH THE MU RADAR <i>TAKUJI NAKAMURA, Hideaki Miyamoto, Toshio Terasawa, Diego Janches, Johan Kero, Csilla Szasz, Koji Nishimura, Yasunori Fujiwara, Masayoshi Ueda</i>	202-THU-01530-1274
15:45	RADAR STUDIES OF THE METEOROID INFLUX TO THE EARTH ATMOSPHERE <i>CSILLA SZASZ, Johan Kero, Takuji Nakamura, David D. Meisel, Asta Pellinen-Wannberg, Gudmund Wannberg, Assar Westman</i>	202-THU-01545-1183
16:00	IN SITU MEASUREMENTS OF SMALL-SCALE NEUTRAL AND PLASMA DYNAMICS IN THE POLAR SUMMER MESOSPHERE <i>BORIS STRELNIKOV, Markus Rapp, Ulf-Peter Hoppe and Tom-Arild Blix</i>	202-THU-01600-0866
16:15	GRAVITY WAVES AND THE MORPHOLOGY OF NOCTILUCENT CLOUDS AND POLAR MESOSPHERE SUMMER ECHOES <i>ULF-PETER HOPPE</i>	202-THU-01615-1005
16:30	INTERACTIONS OF PLANETARY WAVES AND GRAVITY WAVES OBSERVED BY SABER AND INVESTIGATED BY GLOBAL RAY TRACING MODELING <i>Peter Preusse and Manfred Ern</i>	202-THU-01630-0981
16:45	INVESTIGATING GRAVITY WAVE PROPERTIES IN THE SUMMER POLAR REGIONS <i>MICHAEL J. TAYLOR, Y. Zhao, P-D. Pautet, C. E. Randall, S. M. Bailey, J. M. Russell III</i>	202-THU-01645-0975
	II.04 Solar and lower atmospheric forcing of the middle atmosphere-ionosphere system Theatre Chaired by: Edward Kazimirovsky	
15:30	INFLUENCES ON THE DEVELOPMENT OF EQUATORIAL IONOSPHERIC IRREGULARITIES <i>JONATHAN J. MAKELA, Ethan S. Miller</i>	204-THU-01530-1262
16:00	GPS OBSERVATIONS OF MESOSCALE IONOSPHERE ANOMALIES; EVIDENCE FOR FORCING FROM BELOW? <i>SIEGFRIED J. BAUER, Markus Rieger</i>	204-THU-01600-0881
16:15	ON THE CHARACTERIZATION OF LONG TERM IONOSPHERIC BEHAVIOR FROM MONITORING VLF SIGNALS <i>EMÍLIA CORREIA, Pierre Kaufmann, Maria Quevedo</i>	204-THU-01615-0639
16:30	DETECTION OF ACOUSTIC RESONANCE EFFECTS ON THE GROUND AND IN THE IONOSPHERE AT THE TOTAL ECLIPSES <i>TOSHIHIKO IYEMORI, De-Shen Han, Masato Iguchi, Wataru Kanda, Mitsuru Matsumura, James J. Mori, Michi Nishioka, Masahito Nose, Yoko Odagi, Naoto Oshiman, Akinori Saito, Yasuharu Sano, Hiroyuki Shinagawa, Kento Taira, Akihiro Takemura, Yoshikazu Tanaka, Hiroaki Toh, Ichiro Tomizawa, Masahiko Takeda, Mitsuru Utsugi</i>	204-THU-01630-0768

16:45	SAVNET: CURRENT DEVELOPMENTS AND RESULTS <i>FERNANDO C. P. BERTONI, Jean-Pierre Raulin, Hernan Gavilán Rivera, Walter Guevara Day, German Fernandez, Rodolfo Rodriguez</i>	204-THU-01645-1204
	III.03 Magnetosphere-ionosphere interactions and auroral processes LFCCC Petőfi Chaired by: Yusuke Ebihara	
15:30	DIFFUSE, MONOENERGETIC, AND BROADBAND AURORA: THE GLOBAL PRECIPITATION BUDGET <i>PATRICK T. NEWELL, T. Sotirelis, and S. Wing</i>	303-THU-01530-0102
16:00	ION UPFLOWS IN THE POLAR MAGNETOSPHERE DURING GEOMAGNETIC STORMS <i>NARITOSHI KITAMURA, Yukitoshi Nishimura, Yusuke Ebihara, Atsuki Shinbori, Naoki Terada, Takayuki Ono, Atsushi Kumamoto, Takumi Abe, Manabu Yamada, Shigeto Watanabe, and Andrew Yau</i>	303-THU-01600-0569
16:15	STORMTIME MAGNETOSPHERE-IONOSPHERE INTERACTION IN GLOBAL SIMULATIONS <i>WILLIAM LOTKO, Peter Damiano, Oliver Brambles, Binzheng Zhang</i>	303-THU-01615-1136
16:30	STATISTICAL STUDY OF THE TRANSPOLAR POTENTIAL UNDER STEADY AND VARIABLE SOLAR WIND DYNAMIC PRESSURE <i>ATHANASIOS BOUDOURIDIS, Larry Lyons, Eftyhia Zesta, James Weygand, Phillip Anderson</i>	303-THU-01630-0763
16:45	STATISTICAL ANALYSIS OF INFLUENCE OF THE SOLAR-WIND PRESSURE ENHANCEMENT ON THE REGION-2 FIELD-ALIGNED CURRENTS <i>SHINYA NAKANO, Genta Ueno, Shin-ichi Ohtani, Tomoyuki Higuchi</i>	303-THU-01645-0966
	III.06 Techniques and instrumentation in space plasma physics Educator's Hall Chaired by: Hermann Lühr	
15:30	UNFOLDING ESA STANDARD RADIATION ENVIRONMENT MONITOR DATA USING AN ITERATIVE REGULARISATION METHOD BASED ON SINGULAR VALUE DECOMPOSITION <i>INGMAR SANDBERG, Anastasios Anastasiadis, Ioannis Daglis, Konstantinos Tziotziou, Petteri Nieminen, Alexis Glover, Paul Bühler</i>	306-THU-01530-1089
15:45	THREE-SPACECRAFT SPATIAL GRADIENT ESTIMATION: ACCURACY STUDIES AND VORTICITY CALCULATIONS <i>ADRIAN ALBERT, Joachim Vogt, Octav Marghitu</i>	306-THU-01545-1007
16:00	LEAST-SQUARES MULTI-SPACECRAFT GRADIENT COMPUTATION <i>JOHAN DE KEYSER, Fabien Darrouzet, Emmanuel Gamby</i>	306-THU-01600-0994
16:15	NEW TOOLS FOR MULTI-SPACECRAFT DATA ANALYSIS: THE WAVE SURVEYOR TECHNIQUE AND PLANAR RECIPROCAL VECTORS <i>JOACHIM VOGT, Adrian Albert, Dragos Constantinescu, Octav Marghitu, Yasuhito Narita</i>	306-THU-01615-0887
16:30	SCIENTIFIC VISUALIZATION IN MAGNETOSPHERIC RESEARCH AT THE COMMUNITY COORDINATED MODELING CENTER <i>LUTZ RASTAETTER, Maria M. Kuznetsova, David Berrios, Marlo Maddox, Michael Hesse</i>	306-THU-01630-1143
16:45	Discussion	
	IV.07 Reporter reviews LFCCC Liszt Chaired by: Mari Paz Miralles, Jorge Sanchez Almeida	
15:30	FUNNELS AND THE ORIGIN OF THE SOLAR WIND <i>I Ruth Esser</i>	407-THU-01530-0681

16:15	VOYAGER RESULTS ON THE TERMINATION SHOCK AND HELIOSHEATH I <i>JOHN D. RICHARDSON</i>	407-THU-01615-0636
	V.04 Application, history and evolution of geomagnetic indices Pannonia Chaired by: Michel Menvielle, N. Nagarajan	
15:30	DEVELOPMENT AND APPLICATION OF GEOMAGNETIC INDICES AT THE AUSTRALIAN SPACE FORECAST CENTER <i>RICHARD MARSHALL, Garth Patterson, John Kennewell, Colin Waters, Murray Sciffer</i>	504-THU-01530-1061
15:45	ON THE LONG TERM VARIATION IN THE GEOMAGNETIC AND SOLAR ACTIVITIES <i>MICHEL MENVIELLE</i>	504-THU-01545-1337
16:15	ABOUT CLIMATOLOGY OF AURORAL GEOMAGNETIC VARIATIONS IN 1983-2008 <i>ARI VILJANEN, Eija Tanskanen</i>	504-THU-01615-0107
16:30	SIGNIFICANT DECREASES OF GEOMAGNETIC INDICES IN THE ASCENDING PHASE OF SOLAR CYCLE 24 <i>YASUHIRO MINAMOTO, Yosuke Taguchi</i>	504-THU-01630-1030
16:45	THE SOLAR WIND ENERGY INPUT RATE AND RECOVERY OF THE MAGNETOSPHERIC RING CURRENT DURING THE TWO LAST SOLAR CYCLES IN COMPARISON WITH THE 20 AND 21 SOLAR CYCLES <i>LILIA BIKTASH</i>	504-THU-01645-0308
17:00	MONTHLY-SCALE VARIATION OF THE DST INDEX AND ITS RELATIONSHIP WITH SOLAR-WIND CONDITIONS <i>Shinya Nakano, TOMOYUKI HIGUCHI</i>	504-THU-01700-1019
17:15	DETECTING CAUSALITY IN MAGNETOSPHERIC DYNAMICS USING TRANSFER ENTROPY <i>JAY R. JOHNSON, Simon Wing</i>	504-THU-01715-0929
	H.01 von Humboldt's legacy after 150 years Lyceum Chaired by: Edward W. Cliver	
15:30	VON HUMBOLDT AND THE BIRTH OF SOLAR-TERRESTRIAL PHYSICS <i>EDWARD W. CLIVER, Kristian Schlegel</i>	H01-THU-01530-0548
16:00	UNDERSTANDING VERSUS PREDICTION IN THE ATMOSPHERIC SCIENCES <i>KRISTINE HARPER</i>	H01-THU-01600-0258
16:30	SPECIALISTS VERSUS GENERALISTS IN THE ENVIRONMENTAL SCIENCES <i>RONALD E. DOEL</i>	H01-THU-01630-0261

Poster Session (17:00–19:00)

Local wine is served in Aula and Lyceum Courtyard between 17:30 and 19:00

	I.04 Near surface and environmental studies using electromagnetic induction Aula Chaired by: Gad El-Qady	
17:00	DETERMINATION SITE EFFECT OF ZARQA CITY-JORDAN BASED ON MICROTREMORS FIELD MEASUREMENTS: A MICROZONATION STUDY <i>WALEED EID OLIMAT</i>	104-THU-P1530-0002
	FROM THE RESULTS OF THE OTKA PROJECT „NON-CONVENTIONAL GEOELECTRIC ARRAYS, K49604” <i>SÁNDOR SZALAI, Varga Mihály, Novák Attila, Szarka László</i>	104-THU-P1540-0141

	STUDY ON APPLICATION OF THE LOW-FREQUENCY ELECTROMAGNETIC SIGNALS IN EARTHQUAKE PREDICTION <i>GAO Shude, LIU Xiaofeng, LUO Weibin, DU Xuebin, SU Yonggang</i>	104-THU-P1550-0212
	JOINT INVERSION OF VES AND TEM DATA FOR INVESTIGATION OF GEOTHERMAL RESOURCES AND SEA WATER INTRUSION AT HAMMAM MOUSA HOT SPRING, SINAI, EGYPT <i>Gad El-Qady, USAMA MASSOUD, Fernando Santos, El-Said Ragab, Sultan Awad</i>	104-THU-P1555-0382
	MEASUREMENT OF ELECTRIC AND MAGNETIC FIELDS AND GRADIENTS IN THE CONDUCTIVE OCEANIC MEDIUM <i>DAVID CLARK</i>	104-THU-P1600-0402
	FREQUENCY-DOMAIN ELECTROMAGNETIC INDUCTION METHOD FOR PASSIVE ENVIRONMENTAL STUDIES <i>Patricia Martinelli, Ana Osella</i>	104-THU-P1605-0534
	LAYER-DISCONTINUITY INDICATIONS IN THE INDUCTION RESPONSE OF EM TRANSILLUMINATION MEASUREMENT <i>ERNŐ TAKÁCS</i>	104-THU-P1610-0540
	AMT EXPERIENCES ON GRANITE ROCK - STUDY OF BÁTAPÁTI NUCLEAR WASTE DEPOSIT SITE <i>ANDRÁS MADARASI, Balázs Füsi</i>	104-THU-P1615-1162
	AN EVALUATION OF THE SYNTHETIC EMITTER ARRAY METHOD IN GPR PROSPECTING <i>Ana Osella, Lorena Cedrina, Néstor Bonomo</i>	104-THU-P1620-0572
	A MAGNETOTELLURIC STUDY TO DETERMINE CONDUCTIVE SALTY WATER STRUCTURES IN THE EAST OF ALAGOL LAKE, GOLESTAN PROVINCE, IRAN <i>BEROOZ OSKOOI, Bibi Rabea Sedaghat</i>	104-THU-P1625-0835
	ELECTRIC FIELD VARIATIONS GENERATED BY GROUND MOTION AND THEIR APPLICATION TO GROUNDWATER RESEARCH <i>YOSHIMORI HONKURA, Masaki Matsushima, Yasuo Ogawa</i>	104-THU-P1630-0984
	EFFECT OF CURRENT ELECTRODE POSITIONS AND OF GAUSSIAN NOISE ON TENSORIAL INVARIANTS <i>Attila Novák, László Szarka, Mihály Varga</i>	104-THU-P1635-1113
	RECOGNITION OF SHALLOW STRUCTURE OF OROGENIC AREA WITH APPLICATION OF AMT AND CSAMT SURVEY <i>MAREK WOJTYLA, Elzbieta Maj, Mariusz Slys, Michal Stefaniuk</i>	104-THU-P1640-1194
	MONITORING OF WATER RESOURCES AND THEIR IMPACTS ON HAWARA ARCHEOLOGICAL SITE BY TRANSIENT ELECTROMAGNETIC METHOD <i>Usama Massoud, Abbas M. Abbas, Hany Mesbah, El Said Ragab, Ayman Taha</i>	104-THU-P1645-0383

	I.16 Environmental magnetism and biomagnetism Aula Chaired by: Michael Winklhofer, Liping Zhou	
17:00	MAGNETIC STUDIES APPLIED TO AN INVESTIGATION OF VEHICLE-DERIVED POLLUTION ON A ROAD FROM ARGENTINA <i>ANA M. SINITO, Marcos A. E. Chaparro, Débora C. Marie, Claudia S. G. Gogorza, Ana M. Navas</i>	116-THU-P1700-0147
	MAGNETIC PHASES IN SEWAGE SLUDGE AND COMPOST <i>ROBERT SCHOLGER, Elisabeth Gaisberger</i>	116-THU-P1700-0525
	THE RATIO OF GOETHITE VS. HEMATITE AS A PROXY FOR MOISTURE IN ANCIENT SOILS: A PILOT ROCK MAGNETIC STUDY OF NEOGENE PALEOSOLS IN PAKISTAN <i>ALEXANDRA ABRAJEVITCH, Kazuto Kodama, Anna K. Behrensmeyer, Catherine Badgley</i>	116-THU-P1700-0661
	ROCK MAGNETIC PROPERTIES OF SOUTHERN MEXICO BEACH SANDS: IMPLICATIONS FOR HOMING AND NESTING OF MARINE BLACK TURTLES <i>ALMA LILIA FUENTES-FARIAS, Jaime Urrutia-Fucugauchi, Gabriel Gutierrez-Ospina, Ligia Perez-Cruz and Victor Garduno-Monroy</i>	116-THU-P1700-0739

	MAGNETIC POLLUTANTS IN SETTLED DUST AND PM10 SAMPLES FROM MISKOLC, HUNGARY EMŐ MÁRTON, Norbert Zajzon, Péter Márton, János Uram	116-THU-P1700-0856
	MAGNETO-LITHOLOGICAL MODELS FOR RECENT SEDIMENTS: EXAMPLES FROM DELTAIC, LAGOONAL AND LITTORAL LAKES SORIN-CORNELIU RADAN, Silviu Rădan, Camelia Cazacu, Consuela Milu	116-THU-P1700-1041
	EMSEAC - ELECTROMAGNETIC SEAFLOOR PROFILER FOR ENVIRONMENTAL MAGNETIC RESEARCH IN COASTAL AND SHELF SEAS HENDRIK MÜLLER, Tilo von Dobeneck, Thomas Frederichs, Daniel Rey, Belén Rubio	116-THU-P1700-1175
	THE MODELS OF EXPERIMENTAL MAGNETIC MEASUREMENTS OF VARIOUS BIOLOGICAL SAMPLES DUŠAN KOJIĆ, DAJANA TODOROVIĆ, Vlado Antonić	116-THU-P1700-1311
	I.18 Open poster session Aula Chaired by: Neli Jordanova	
17:00	VERTICAL ELECTRICAL SOUNDINGS OVER WESTERN DECCAN VOLCANIC PROVINCE, INDIA VINIT ERRAM, Gautam Gupta, B.D. Kadam	118-THU-P1530-0067
	INTEGRATED GEOPHYSICAL STUDIES OF BARYATINO MAGNETIC ANOMALY AREA Elena Aleksanova, Victor Kulikov, PAVEL PUSHKAREV, Nikolay Shustov, Maria Vereshchagina, Andrey Yakovlev	118-THU-P1530-0072
	PALEOMAGNETIC AGE OF IRON-RICH LENSES IN DEVONIAN SANDSTONES, ESTONIA PREDEN ULLA, Mertanen Satu, Plado Jüri	118-THU-P1530-0077
	MAGNETIC SURVEYING IN THE ROMAN AGE TOWN POROLISSUM (NW ROMANIA) JUDIT PETROVSZKI, Tamás Lipovics, László Lenkey, Mihály Pethe, István Kudó, Gábor Kovács, Lénárd Pál, Donát Raáb, Ádám Domján, Edith Ferencz, Mátyás Herein, István Bajusz	118-THU-P1530-0252
	A PRELIMINARY SITE RESPONSE IN THE NILE DELTA BASIN (EGYPT) USING MICROTREMOR H/V SPECTRAL RATIO ELHAMY TARABEES, Adel El-Shahat and Sherief El-Hady	118-THU-P1530-0349
	LONG-TERM SUPERSENSITIVE MAGNETIC OBSERVATION AT EILAT TEST SITE BORIS SHIRMAN, Boris Ginzburg, Ivan Hrvoic	118-THU-P1530-0441
	IMPROVING MAGNETOTELLURIC TRANSFER FUNCTIONS QUALITY BY INCLUDING KNOWN DISTURBING SIGNALS TO THE PROCESSING Anne Neska, Krzysztof Nowozynski, Cathrine Fox Maule, Tamara Worzewski	118-THU-P1530-0472
	THE EFFECT OF WEATHER ON VLF MEASUREMENTS BRETT DELPORT, Andrew B. Collier	118-THU-P1530-0512
	CALCULATION OF PIEZOMAGNETIC FIELDS DUE TO UNIFORM REGIONAL STRESSES IN THE INHOMOGENEOUSLY MAGNETIZED CRUST KEN'ICHI YAMAZAKI	118-THU-P1530-0560
	EM INDUCTION INVESTIGATION OF THE LITOSPHERE BASED ON NETWORK MAGNETOMETER DATA IN EUROPE ISTVAN LEMPERGER, Michel Menvielle, Jean-Louis Pincon, László Szarka, Pascal Tarits, Csaba Ubrankovics	118-THU-P1530-0562
	EXTENDED HYBRID 3D LBM FOR FLOW DRIVEN CRACK PROBLEM UNDER MULTIPLE COUPLED FIELD IN HIGHLY MACRO-POROUS MATERIALS BoJing Zhu, M. C. Sukop, Y. L. Shi, L. Florea and K. J. Cunningham	118-THU-P1530-0643
	EXPERIMENTAL STUDY OF FLY-ASH MIGRATION UNDER CONTROLLED WATER REGIME: TEMPERATURE AND MOISTURE CALIBRATION AND PRELIMINARY RESULTS ON SAND FORMATIONS Aleš Kapička, Radka Kodešová, Hana Fialová, Eduard Petrovský, Jan Kopáč	118-THU-P1530-0682

	APPLICATION OF A TERRAIN MODEL IN THE INTERPRETATION AND EVALUATION OF A MAGNETIC SURVEY CARRIED OUT FOR ARCHAEOLOGICAL PURPOSES IN POROLISSUM, ROMANIA Tamás Lipovics, JUDIT PETROVSZKI, István Kudó, Szilámér Pánczél, Alpár Dobos, Lóránt Vass, László Lenkey, István Bajusz	118-THU-P1530-0707
	MAGNETIC PARTICLES AS SOURCE MARKERS OF STEEL-WORKS CONTRIBUTION TO PM10 IN ATMOSPHERE AT INDUSTRIAL MONITORING SITE EDUARD PETROVSKÝ, Aleš Kapička, Bohumil Kotlík, Radek Zbořil, Jiří Novák and Hana Fialová	118-THU-P1530-0774
	CHARACTERIZATION OF INDOOR AND OUTDOOR DUST FROM MAJOR CITIES IN BULGARIA - PRELIMINARY RESULTS Neli Jordanova, DIANA JORDANOVA, Petar Petrov, Todor Popov, Rajna Yankova, Tsenka Tsacheva, Dimo Dimov	118-THU-P1530-0825
	APPLICATION OF GEOELECTRIC AND ELECTROMAGNETIC SURVEYS IN A DEPRESSION SYSTEM INVESTIGATION NEAR SOPRON TÍMEA HAJNAL PRODÁN	118-THU-P1530-0836
	ROCK MAGNETIC PROPERTIES AND MICROSCOPY OF OPHIOLITES: NORTHEASTERN CUBAN REGION LUIS M. ALVA-VALDIVIA, J. A. Batista, M. L. Rivas-Sanchez and J. A. Blanco	118-THU-P1530-0921
	GEOMAGNETIC FIELD INCLINATIONS AND ABSOLUTE PALEOINTENSITIES FOR A 350 KYR TIME GAP FROM THE 350 METER CORE OF THE KALIHI SCIENTIFIC DRILLING PROJECT FROM THE KOOLAU VOLCANO, O'HAU, HAWAII, USA EMILIO HERRERO-BERVERA	118-THU-P1530-0942
	BROWN-BLACK COLORED OLIVINES IN SOME MARTIAN METEORITES (SNC): LABORATORY SIMULATION OF SHOCK RELATED NEOFORMATION OF STRONGLY MAGNETIC NANO PHASES (NATIVE FE-NI, MAGNETITE) VIKTOR H. HOFFMANN, M. Funaki, M. Torii, T. Mikouchi, T. Kurihara	118-THU-P1530-0997
	SURFACE FITTING METHODS - EXAMINATION ON A SYNTHETIC AND A FIELD MAGNETIC DATASET ÁDÁM HERCZEG	118-THU-P1530-1004
	COMMON OSCILLATORY MODES IN GEOMAGNETIC ACTIVITY AND CLIMATE VARIABILITY AND THEIR PHASE RELATIONS DAGMAR NOVOTNÁ, Milan Paluš	118-THU-P1530-1009
	ROCK MAGNETIC STUDY OF GREIGITE FORMATION AND STABILITY IN ODP HOLE 911A KARL FABIAN, Jochen Knies, Kari Grøsfjeld, Christoph Vogt	118-THU-P1530-1043
	APPROXIMATION OF MAGNETIC DATA SURFACE WITH ANN (ARTIFICIAL NEURAL NETWORK) METHOD DÁNIEL SOÓS	118-THU-P1530-1051
	MAGNETIC FABRIC OF THE UPPER CARBONIFEROUS MOLASSE SEDIMENTS (UPPER SILESIA COAL BASIN, POLAND) KATARZYNA SOBIEN, Jerzy Nawrocki, Tomasz Werner	118-THU-P1530-1121
	INFLUENCE OF EEJ STRENGTH OF Y ON AEJ AND EEJ A. Thiagarajan Arunachalam	118-THU-P1530-1123
	SP IRON OXIDES IN SOILS DEVELOPED ON LIMESTONES HANA FIALOVÁ, Eduard Petrovský, Aleš Kapička, Neli Jordanova	118-THU-P1530-1189
	THE GLOBAL MAPPING OF THE LUNAR CRUSTAL MAGNETIC FIELD USING NEW EXTERNAL INTERNAL SEPARATION FIELD TECHNIQUES M. C. Berguig, M. Hamoudi and Y. Cohen	118-THU-P1530-1339

	THE DIURNAL AND SEASONAL VARIATIONS OF MAGNETIC FIELD ACTIVITY RECORDED AT NAGYCENK GEOMAGNETIC STATION, AND THE SIMILARITY WITH EARTHQUAKE DISTRIBUTION OCCURRED IN 50KM VICINITY OF THE STATION <i>M. KISZELY MAROTINÉ</i>	118-THU-P1530-1367
	METHOD FOR REPAIRING MAGNETOSPHERE <i>TARA AHMADI</i>	118-THU-P1530-0055
	II.02 New findings concerning the polar summer mesosphere/lower thermosphere/iono-sphere region including the role of dusty plasmas Lyceum Gymnastic Hall, level 1 Chaired by: Richard A. Goldberg	
17:00	MULTI-RADAR STUDIES OF PMSE: IMPLICATIONS FOR MESOSPHERIC LARGE SCALE VARIABILITY AND MICROPHYSICAL PROCESSES <i>Ralph Latteck, WERNER SINGER and Markus Rapp</i>	202-THU-P1700-0391
	REMOTELY MEASURED TEMPERATURE COMPARABILITY <i>FRANCIS J. SCHMIDLIN, Richard A. Goldberg</i>	202-THU-P1700-0549
	RADAR STUDIES OF METEOROID-ATMOSPHERE INTERACTION PROCESSES <i>JOHAN KERO, Csilla Szasz, Takuji Nakamura, Asta Pellinen-Wannberg, David D. Meisel, Gudmund Wannberg, Assar Westman</i>	202-THU-P1700-1186
	A MULTI-WAVELENGTH RESONANCE LIDAR SYSTEM FOR THE ANTARCTIC MIDDLE AND UPPER ATMOSPHERE OVER SYOWA (69S, 39E) <i>TAKUJI NAKAMURA, Makoto Abo, Yasukuni Shibata, Takuya D. Kawahara, Tsukasa Kitahara, Kazuyo Sakanoi, Kaoru Sato, Mitsumu K. Ejiri, Masaki Tsutsumi, Yoshihiro Tomikawa</i>	202-THU-P1700-1265
	III.03 Magnetosphere-ionosphere interactions and auroral processes Lyceum Gymnastic Hall, level 0 Chaired by: William Lotko	
17:00	PHASE RELATION BETWEEN P1 2-ASSOCIATED IONOSPHERIC DOPPLER VELOCITY AND MAGNETIC PULSATION AT MID-LATITUDE MAGDAS STATION <i>Akihiro Ikeda, Kiyohumi Yumoto, Teiji Uozumi, Manabu Shinohara, Kenro Nozaki, Akimasa Yoshikawa, V.V. Bychkov, B. M. Shevtsov</i>	303-THU-P1700-1017
	COORDINATED OBSERVATIONS OF AURORAL ARCS WITH ALIS AND THE EUROPEAN INCOHERENT SCATTER RADAR <i>Hervé Lamy, Cyril Simon, Tima Sergienko, Björn Gustavsson, JOHAN DE KEYSER, Marius Echim, Ingrid Sandahl, Urban Brandström</i>	303-THU-P1700-1153
	ION TEMPERATURE DISTRIBUTION IN THE HIGH-LATITUDE THERMOSPHERE-IONOSPHERE REGION PRODUCED BY FIELD ALIGNED CURRENTS - EISCAT OBSERVATIONS <i>DIMITAR TEODOSIEV, Emilia Yordanova, Petko Nenovski, Dimitar Danov, Geoff Crowley, Lisa Baddeley, Stephan Buchert</i>	303-THU-P1700-1200
	VARIATIONS OF THE MID-LATITUDE IONOSPHERE DURING STRONG GEOMAGNETIC STORMS: OBSERVATIONAL RESULTS <i>GALINA GORDIYENKO</i>	303-THU-P1700-1325
	CHAMP OBSERVATIONS OF MULTIPLE FIELD-ALIGNED CURRENT (FAC) UNDER QUIET GEOMAGNETIC CONDITIONS <i>DIMITAR DANOV, Patricia Ritter, Petko Nenovski, Hermann Luehr</i>	303-THU-P1700-0220
	GEOMAGNETIC FIELD VARIATIONS AT MIDDLE LATITUDE FROM MAGNETOSPHERIC AND IONOSPHERIC SOURCES DURING STRONG MAGNETIC STORMS <i>YURI SUMARUK, Taras Sumaruk</i>	303-THU-P1700-0273

	POLAR THERMOSPHERIC HEATING UNDER PROTON PRECIPITATION <i>VIR SINGH and M.V.Sunil Krishna</i>	303-THU-P1700-0032
	PENETRATION DYNAMICS OF THE RING CURRENT INTO THE PLASMASPHERE DURING SUBSTORMS BY THE OBSERVATION OF DIFFUSE AURORA AND SAR ARC <i>IGOR IEVENKO</i>	303-THU-P1700-0431
	PHOTOMETRIC STUDY OF PULSATING PRECIPITATIONS OF THE RING CURRENT ENERGETIC PARTICLES AT LATITUDES OF THE OUTER PLASMASPHERE <i>IGOR IEVENKO, Stanislav Parnikov and Valery Alexeyev</i>	303-THU-P1700-0432
	MORFOLOGY OF THE IONOSPHERIC DISTURBANCES OVER NORTH-EASTERN REGION OF RUSSIA <i>GELIY ZHEREBTSOV, Vladimir Kurkin, Olga Pirog, Nelya Polekh</i>	303-THU-P1700-0442
	SEASONAL VARIATIONS OF THE ELECTRON DENSITY DISTRIBUTION IN THE POLAR MAGNETOSPHERE DURING GEOMAGNETICALLY QUIET PERIODS <i>NARITOSHI KITAMURA, Atsuki Shinbori, Yukitoshi Nishimura, Naoki Terada, Takayuki Ono, Atsushi Kumamoto, and Masahide Iizima</i>	303-THU-P1700-0568
	ON A POSSIBILITY OF EXISTENCE OF TWO AND MORE SOURCES P12-PULSATIONS IN THE MAGNETOSPHERE <i>RAVIL RAKHMATULIN</i>	303-THU-P1700-0588
	SECULAR VARIATIONS OF THE GEOMAGNETIC FIELD AND SOLAR ACTIVITY <i>YURI SUMARUK, Jan Reda</i>	303-THU-P1700-0775
	APPEARANCE OF AURORAL ROAR AND MF BURST <i>YUKA SATO, Takayuki Ono, Natsuo Sato, Ryoichi Fujii, Kadokura Akira, Yasunobu Ogawa, Satonori Nozawa</i>	303-THU-P1700-0844
	PULSATING AURORAS OBSERVED BY A 30-HZ ALL SKY IMAGER DURING THE THEMIS-GROUND CAMPAIGN <i>AKIMITSU NAKAJIMA, Kazuo Shiokawa, Akimasa Ieda, Kaori Sakaguchi, Reiko Nomura, Erick Donovan, James P. McFadden, Karl-Heinh Fornacon, Vassilis Angelopoulos</i>	303-THU-P1700-0974
	III.06 Techniques and instrumentation in space plasma physics Lyceum Gymnastic Hall, level 0 Chaired by: Alain Hilgers	
17:00	LANGMUIR PROBES FOR THE INTERNATIONAL SPACE STATION <i>BOLAN KIROV, Ditchko Batchvarov, Rumiana Krasteva, Ani Boneva, Rumen Nedkov, Stanislav Klimov, Valery Grushin</i>	306-THU-P1700-0316
	INVERSION OF ROCKET-BORNE PHOTOMETER MEASUREMENTS BY AN ARTIFICIAL NEURAL NETWORK TECHNIQUE <i>FRANCISCO C. DE MENESES, E. H. Shiguemori, P. Muralikrishna, B. R. Clemesha, and E. Alam Kherani</i>	306-THU-P1701-0554
	AIRGLOW STUDY OF IONOSPHERIC PLASMA IRREGULARITIES <i>Aline A. Almeida, ALEXANDRE PIMENTA</i>	306-THU-P1702-0840
	SHORT ELECTRIC-FIELD ANTENNAE AS DIAGNOSTIC TOOLS FOR SPACE PLASMAS <i>JEAN GABRIEL TROTIGNON, Jean Louis Rauch, Mikhail Mogilevsky, and Tatiana Burinskaya</i>	306-THU-P1703-0042
	AMPLIFICATION OF THE ELECTRON GYROHARMONIC RESONANCE AS A RELATION TO THE PLASMA FREQUENCY IN THE WHISPER/CLUSTER ACTIVE MODE <i>JEAN LOUIS RAUCH, Jean Gabriel Trotignon, Mikhail Mogilevsky, Tatiana Burinskaya, Farida Lemdani-Mazouz</i>	306-THU-P1704-0914
	EUV OBSERVATION OF THE INNER MAGNETOSPHERIC OF JUPITER FROM THE EARTH-ORBITING SATELLITE <i>KAZUO YOSHIOKA, Ichiro Yoshikawa, Go Murakami, Munetaka Ueno, Atsushi Yamazaki, and Kazunori Uemizu</i>	306-THU-P1705-0583

	TIME DOMAIN ECHO CLUSTERING OF MST RADAR <i>KANG-YING CHEN and C. H. Liu</i>	306-THU-P1706-1048
	HF PROPAGATION VIA THE IONOSPHERE OVER AFRICA : SCIENCE OR ART? <i>MPHO TSHISAPHUNGO, Lee-Anne McKinnell, and Lindsay Magnus</i>	306-THU-P1707-0030
	V.04 Application, history and evolution of geomagnetic indices Lyceum Gymnastic Hall, level 1 Chaired by: Michel Menvielle	
17:30	GEOMAGNETIC DST INDEX FORECAST USING A MULTILAYER PERCEPTRONS ARTIFICIAL NEURAL NETWORK <i>AMITA MURALIKRISHNA, Alisson Dal Lago, José Demísio Simões da Silva</i>	504-THU-P1730-1370
	DEVELOPMENT OF LOCAL MAGNETIC INDICES FROM GLOBAL MAGNETIC INDICES USING NEURAL NETWORKS: AN APPLICATION TO ANTARCTICA <i>A. Segarra, JUAN JOSEF CURTO</i>	504-THU-P1730-0790
	FUZZY LOGIC METHODS FOR GEOMAGNETIC EVENTS DETECTIONS AND ANALYSIS <i>ALEXEI GVISHIANI, Ruslan Kulchinskiy, Eugene Kharin, Igor Shestopalov, Sergey Agayan, Shamil Bogoutdinov</i>	504-THU-P1730-0514
	GEOMAGNETIC INDICES FOR PREDICTION OF IONOSPHERIC IRREGULARITIES PRODUCING VLF SCINTILLATIONS <i>LILIA BIKTASH</i>	504-THU-P1730-0312
	NEW RMS-BASED PLANETARY GEOMAGNETIC ACTIVITY INDICES <i>MICHEL MENVIELLE, Jean-Jacques Valette, Mathieu Pau, Chantal Lathuillère</i>	504-THU-P1730-1327
	EFFECTS OF STATION RELOCATION IN THE AA INDEX <i>RENATA LUKIANOVA, Kalevi Mursula</i>	504-THU-P1730-0451
	PREDICTING GEOMAGNETIC ACTIVITY INDICES <i>SIMON WING, Jay Johnson</i>	504-THU-P1730-0644
	A COMPARISON BETWEEN QUICK LOOK, PROVISIONAL AND DEFINITIVE AM AND AA VALUES <i>MICHEL MENVIELLE</i>	504-THU-P1730-1336
	EXTRACTING LONG-TERM TRENDS IN GEOMAGNETIC DAILY-VARIATIONS AND INDICES <i>Brian Hamilton, SUSAN MACMILLAN</i>	504-THU-P1730-1187
	GEOMAGNETIC EXTREME STATISTICS FOR EUROPE <i>ALAN THOMSON, Sarah Reay, Ewan Dawson</i>	504-THU-P1730-0567
	POLAR MAGNETIC INDICES: A NEW KEY TO CORRELATE MAGNETIC VARIATIONS IN THE EARTH'S HEMISPHERES <i>Wladislaw Lyatsky, George V. Khanazov, Sonya Lyatskaya, DOMENICO DI MAURO, Stefania Lepidi, Lili Cafarella, Aude Chambodut, Jean-Jacques Schott</i>	504-THU-P1730-1329
	MULTIFRACTAL AND CONTINUOUS WAVELET ANALYSIS OF GEOMAGNETIC ACTIVITY <i>N. ZAOURAR, S. A. Ouadfeul and M. Hamoudi</i>	504-THU-P1700-1195
	H.01 von Humboldt's legacy after 150 years Lyceum Gymnastic Hall, level 0 Chaired by: Edward W. Cliver	
17:00	SOLAR-TERRESTRIAL PHYSICS IN THE 19TH CENTURY SINCE HUMBOLDT <i>WILFRIED SCHRÖDER</i>	H01-THU-P1700-0001
	AN EXAMPLE OF HUMBOLDTS AURORAL OBSERVATION AND MAGNETIC DISTURBANCES <i>WILFRIED SCHRÖDER</i>	H01-THU-P1700-0007
	RETROSPECTIVE ANALYSIS OF SPORADIC AND RECURRENT GEOMAGNETIC STORMS <i>I. S. Veselovsky, K. Mursulac, N. G. Ptitsynad, M. I. Tyastod, and O. S. Yakovchouka</i>	H01-THU-P1700-0140

SEMIANNUAL AND UT VARIATION OF GEOMAGNETIC ACTIVITY AS HISTORY OF SOLAR-TERRESTRIAL PHYSICS <i>TAMARA KUZNETSOVA</i>	H01-THU-P1700-0239
INDIAN OBSERVATORIES IN THE TIMES OF VON HUMBOLDT <i>KOTTAPALLI SITHARAMA MURTY</i>	H01-THU-P1700-0399

Evening programmes:

BANQUET 20:00
LFCCC Széchenyi

Friday, 28 August Block 1.08:30–10:00

	I.05 Deep mantle structure imaged by electromagnetic observations using long-period MT, cables and satellites. <i>In memory of Ulrich Schmucker (1930–2008)</i> Auditorium Green Chaired by: Juanjo Ledo	
08:30	ULRICH SCHMUCKER, PIONEER OF ELECTROMAGNETIC INDUCTION <i>KARSTEN BAHR</i>	105-FRI-00830-0453
09:00	LARGE-SCALE EUROPEAN MANTLE ELECTRIC STRUCTURE AS DERIVED FROM RING CURRENT AND GEOMAGNETIC OBSERVATORY DATA <i>VENERA DOBRICA, Crisan Demetrescu</i>	105-FRI-00900-0288
09:15	GLOBAL EM INDUCTION IN THE EARTH: EFFECTS OF EXTERNAL FIELD GEOMETRY ON THE 1-D INVERSION PROBLEM <i>JAKUB VELIMSKY, Nina Benesova, Hana Cizkova</i>	105-FRI-00915-0779
	I.14 Geo- and paleo-magnetic data constraints on geodynamo models Auditorium Bourdon Chaired by: Johannes Wicht, Roman Leonhardt	
08:30	IMPROVING THE ACCURACY AND INTERPRETATION OF PALAEointENSITY AND GEOCHRONOLOGY DATA FROM VOLCANIC ROCKS <i>MAXWELL CHRISTOPHER BROWN</i>	114-FRI-00830-0922
09:00	MILLENNIAL-SCALE CHARACTERISTICS OF THE GEOMAGNETIC FIELD <i>MONIKA KORTE, Catherine Constable and Fabio Donadini</i>	114-FRI-00900-0986
09:15	EVOLUTON OF THE SOUTH ATLANTIC MAGNETIC ANOMALY OVER 0-3KA <i>CATHERINE CONSTABLE, Monika Korte and Fabio Donadini</i>	114-FRI-00915-0988
09:30	BEAM-R1: A BAYESIAN EUROPEAN ARCHEOMAGNETIC MODEL FOR THE PAST 2000 YEARS <i>ERWAN THEBAULT, Javier Pavón -Carrasco and Yves Gallet</i>	114-FRI-00930-1161
09:45	GEOMAGNETIC FIELD HEMISPHERIC ASYMMETRY AND ARCHEOMAGNETIC JERKS <i>Yves Gallet, GAUTHIER HULOT, Arnaud Chulliat, Agnès Genevey</i>	114-FRI-00945-0873
	II.06 Equatorial atmosphere-ionosphere interactive processes: vertical and latitudinal coupling and magnetospheric forcing Theatre Chaired by: Mangalathayil A. Abdu, Rod A. Heelis	
08:30	THE IONOSPHERE UNDER AN EXTREMELY QUIET SUN I <i>ROD A. HEELIS</i>	206-FRI-00830-0631

09:00	CURRENT SYSTEM IN THE DAYTIME AND POST-SUNSET IONOSPHERE <i>TZU-WEI FANG, Arthur Richmond, Jann-Yeng Liu, Astrid Maute</i>	206-FRI-00900-0947
09:15	EQUATORIAL IONIZATION ANOMALY: THE ROLE OF THERMOSPHERIC WINDS AND THE EFFECTS OF THE GEOMAGNETIC FIELD SECULAR VARIATION <i>INEZ S. BATISTA, Erica M. Diogo, Jonas R. Souza, M. A. Abdu, G. J. Bailey</i>	206-FRI-00915-0619
09:45	GLOBAL OBSERVATIONS OF THE EQUATORIAL IONOSPHERE BY UV REMOTE SENSING <i>LARRY PAXTON, Joseph Comberiate, Hyosub Kil, Robert Schaefer, Brian Wolven, Yongliang Zhang, Daniel Morrison</i>	206-FRI-00945-0744
II.08 Remote sensing of the plasmasphere, and coupling to the ionosphere Painter's Hall Chaired by: Fred Menk		
08:30	EMPIRICAL ELECTRON DENSITY MODELS FOR THE INNER MAGNETOSPHERE <i>BODO REINISCH, Patrick Nsumei, Xueqin Huang, Jiannan Tu</i>	208-FRI-00830-0839
09:00	REVIEW OF RECENT RESULTS ON THE PLASMASPHERE BY THE CLUSTER AND IMAGE MISSION <i>Fabien Darrouzet, JOHAN DE KEYSER, Viviane Pierrard</i>	208-FRI-00900-1091
09:15	SIMULTANEOUS OBSERVATION OF PLASMASPHERIC REFILLING USING ULF AND HE+ IMAGING DATA <i>YUKI OBANA, Frederick W. Menk, Ichiro Yoshikawa</i>	208-FRI-00915-0875
09:30	IONOSPHERIC CONTROL OF INTERNAL PLASMASPHERIC DENSITY DURING MAGNETIC STORMS <i>PETER J. CHI, J. Tu, M. Spasojevic</i>	208-FRI-00930-1283
III.04 New perspectives of the magnetosphere-ionosphere system from global models, synoptic observations, and data assimilation LFCCC Petőfi Chaired by: Minna Palmroth		
08:30	THE SPACE WEATHER MODELING FRAMEWORK: PROGRESS AND CHALLENGES <i>TAMAS I. GOMBOSI, Darren L. De Zeeuw, Ward (Chip) B. Manchester, Aaron J. Ridley, Igor V. Sokolov, Gabor Tóth, Bart van der Holst</i>	304-FRI-00830-0516
09:00	BOW SHOCK CONTRIBUTIONS TO REGION 1 FAC AND CROSS-TAIL CURRENT: RESULTS FROM GLOBAL MHD SIMULATIONS <i>CHI WANG, X. C. Guo, B. B. Tang</i>	304-FRI-00900-0154
09:30	GENERATION OF THE TRANSPOLAR POTENTIAL <i>RAMON LOPEZ, Robert Bruntz, Elizabeth Mitchell, Michael Wiltberger</i>	304-FRI-00930-0747
09:45	THE EFFECT OF IONOSPHERIC PEDERSEN CONDUCTANCE ON THE FORMATION OF VORTICES IN THE MAGNETOTAIL <i>RAYMOND J. WALKER, Maha Ashour Abdalla and Mostafa El-Alaoui</i>	304-FRI-00945-0662
III.08 Other magnetospheric worlds Educator's Hall Chaired by: Chris Arridge, Pontus Brandt		
08:30	MOONS AND RINGS AND THE PLASMAS OF THEIR ENVIRONMENTS <i>MARGARET KIVELSON</i>	308-FRI-00830-1306
08:45	GLOBAL STRUCTURE AND DYNAMICS IN THE MAGNETOSPHERES OF JUPITER AND SATURN <i>CHRIS ARRIDGE</i>	308-FRI-00845-1078
09:00	THE DRIPPING FAUCET MODEL OF THE MASS-LOADED KRONIAN MAGNETOSPHERE <i>BERTALAN ZIEGER, Kenneth C. Hansen, Tamas I. Gombosi</i>	308-FRI-00900-0748
09:15	ROTATIONAL PERIODICITIES IN SATURN'S MAGNETOSPHERE <i>PONTUS C. BRANDT, D. G. Mitchell, K. K. Khurana, B. Zieger, K. C. Hansen, C. P. Paranicas, J. F. Carbary</i>	308-FRI-00915-1239

09:30	ELECTROSTATIC WAVES IN THE DOUBLE-KAPPA PLASMA OF SATURN'S MAGNETOSPHERE <i>MANFRED A. HELLBERG, Thomas K. Baluku, Richard L. Mace</i>	308-FRI-00930-0535
IV.03 Universal heliophysical processes LFCCC Liszt Chaired by: Nat Gopalsway, Károly Kecskeméty		
08:30	INTERNATIONAL SPACE WEATHER INITIATIVE (ISWI) <i>JOSEPH DAVILA, Nat Gopalswamy, Barbara Thompson, Tom Bogdan, Mike Hapgood</i>	403-FRI-00830-1338
09:00	SOLAR OSCILLATIONS: CURRENT TRENDS <i>SEBASTIEN COUVIDAT</i>	403-FRI-00900-1253
09:30	FORECASTS FOR THE NEXT SOLAR ACTIVITY CYCLE AND DYNAMO THEORY <i>KRISTOF PETROVAY</i>	403-FRI-00930-1046
IV.04 Advances in coordinated Sun-Earth system science through CAWSES and ILWS LFCCC Széchenyi Chaired by: W. William Liu		
08:45	ORBIT SYNCHRONIZATION ENABLING TWO-POINT IN-SITU MEASUREMENTS FROM SOLAR PROBE+ AND SOLAR ORBITER <i>Adam Szabo, G. Marr and J. Downing</i>	404-FRI-00845-0168
09:15	SOLAR ORBITER: LINKING THE SUN AND INNER HELIOSPHERE <i>RICHARD MARSDEN, Daniel Mueller</i>	404-FRI-00915-0188
09:45	ANALOGY BETWEEN SOLAR FLARES AND AURORA <i>BRIGITTE SCHMIEDER, G. Aulanier, P. Démoulin, and E. Pariat</i>	404-FRI-00945-0497
V.01 Connecting space and ground-based magnetic data for scientific benefit Pannonia Chaired by: Chris Finlay, Manuel Catalan, Terence Sabaka		
08:30	COMBINING GROUND-BASED AND SATELLITE MAGNETIC MEASUREMENTS IN INTERPRETATION OF MAGNETIC FIELD DISTURBANCES <i>S. VENNERTSTROM, T. Moretto, G. Lu, L. Rastätter</i>	501-FRI-00830-1232
08:45	GLOBAL MODELING OF THE GEOMAGNETIC SQ FIELD FROM GROUND-BASED AND SATELLITE DATA <i>ARNAUD CHULLIAT, Virginie Penquerc'h</i>	501-FRI-00845-1234
09:00	REMOVAL OF EXTERNAL FIELD CONTRIBUTIONS IN GROUND OBSERVATORY DATA: REVISED OBSERVATORY MONTHLY MEANS <i>NILS OLSEN</i>	501-FRI-00900-1011
09:15	SUDDEN IMPULSES AT GEOSYNCHRONOUS ORBIT AND AT GROUND <i>U. Villante and MIRKO PIERANTI</i>	501-FRI-00915-0815
09:30	LATITUDINAL SHIFT AND TILT OF THE RING CURRENT DURING MAGNETIC STORMS <i>BO CHEN</i>	501-FRI-00930-1314
09:45	A SOLAR-TERRESTRIAL MAGNETIC EFFECT WITH SEISMIC IMPLICATIONS <i>GERALD DUMA</i>	501-FRI-00945-0461
10:00-12:00	Conference of Delegates 2 (CD 2) Lyceum	
Coffee Break (10:00-10:30) LFCCC First Floor, Theatre First Floor, Pannonia, Aula		

Block 2. 10:30–12:00

I.05 Deep mantle structure imaged by electromagnetic observations using long-period MT, cables and satellites. *In memory of Ulrich Schmucker (1930–2008)*
Auditorium Green
Chaired by: **Juanjo Ledo**

10:30	3-D IMAGING OF MID-MANTLE CONDUCTIVITY BASED ON INVERSION OF GROUND-BASED C-RESPONSES <i>ALEXEY SEMENOV, Alexei Kuvshinov</i>	105-FRI-01030-0780
10:45	USE OF GEOMAGNETIC DEPTH SOUNDING TO RECOVER MAGNETOTELLURIC IMPEDANCE TENSORS FROM INCOMPLETE ELECTROMAGNETIC TIME SERIES <i>LAWRENCE FON, Karsten Bahr, Fiona Simpson</i>	105-FRI-01045-0460
11:00	DEEP ELECTRICAL CONDUCTIVITY STRUCTURE BENEATH THE NORTHWEST PACIFIC <i>HIROAKI TOH, Tsutomu Motobayashi</i>	105-FRI-01100-0655
11:15	ANOMALY OF THE GEOMAGNETIC SQ VARIATION IN JAPAN: EFFECT FROM SUBTERRANEAN STRUCTURE OR THE OCEAN EFFECT? <i>ALEXEI KUVSHINOV, Hisashi Utada</i>	105-FRI-01115-0956
11:30	AMPHIBIOUS MT EXPERIMENT ON COSTA RICAN SUBDUCTION ZONE <i>Tamara Worzewski, MARION JEGEN-KULCSAR, H. Brasse, W.Taylor</i>	105-FRI-01130-1229

I.14 Geo- and paleo-magnetic data constraints on geodynamo models
Auditorium Bourdon
Chaired by: **Johannes Wicht, Roman Leonhardt**

10:30	MODELLING THE PALEO-EVOLUTION OF THE GEODYNAMO <i>JULIEN AUBERT</i>	114-FRI-01030-1073
11:00	EDIACARAN PERSPECTIVE ON THE GEOMAGNETIC FIELD AND EVOLUTION OF THE CORE <i>ALEXANDRA ABRAJEVITCH, Rob Van der Voo</i>	114-FRI-01100-0660
11:15	MAGNETIC SOURCE SEPARATION IN THE OUTER CORE: INTRODUCING THE SCOR-FIELD <i>KENNETH HOFFMAN, Brad Singer</i>	114-FRI-01115-0935
11:30	STRONG MAGNETIC FLUX SPOTS AND THE CORE FLOW NEAR THE CORE-MANTLE BOUNDARY <i>WEIJIA KUANG, Zigang Wei, Andrew Tangborn</i>	114-FRI-01130-1117
11:45	SIMULATED GEOMAGNETIC REVERSALS: HOW REALISTIC ARE THEY? <i>JOHANNES WICHT, Art Jonkers</i>	114-FRI-01145-1000

II.06 Equatorial atmosphere-ionosphere interactive processes: vertical and latitudinal coupling and magnetospheric forcing
Theatre
Chaired by: **Mangalathayil A. Abdu, Rod A. Heelis**

10:30	FAST THERMOSPHERIC WIND JET AT THE EARTH'S DIP EQUATOR <i>SHIGETO WATANABE, Huixin Liu, Tsutomu Kondo</i>	206-FRI-01030-0590
10:45	A SOLAR TERMINATOR WAVE IN THERMOSPHERIC WIND AND DENSITY SIMULTANEOUSLY OBSERVED BY CHAMP <i>HUIXIN LIU, HERMANN LUEHR, SHIGETO WATANABE</i>	206-FRI-01045-0618
11:00	GLOBAL/SEASONAL/LOCAL-TIME VARIATIONS OF ION DENSITY STRUCTURE AT LOW-LATITUDE IONOSPHERE AND THEIR RELATIONSHIP TO THE POST-SUNSET EQUATORIAL IRREGULARITY OCCURRENCES <i>SHIN-YI SU, M. Q. Chen, C. K. Cha, and C. H. Liu</i>	206-FRI-01100-0022
11:15	THREE-DIMENSIONAL SIMULATION OF THE COUPLED PERKINS AND ES LAYER INSTABILITIES IN THE NIGHTTIME MIDLATITUDE IONOSPHERE <i>TATSUHIRO YOKOYAMA, David L. Hysell, Yuichi Otsuka, Mamoru Yamamoto</i>	206-FRI-01115-0916

11:30	LONGITUDINAL STATISTICS OF THE TOPSIDE HE+ DENSITY DEPLETIONS AND THE EQUATORIAL F-REGION IRREGULARITIES: COMPARISON STUDY <i>LARISSA SIDOROVA</i>	206-FRI-01130-0103
11:45	ROLE OF METEORIC DUST IN THE E-REGION DYNAMICS <i>POLINAYA MURALIKRISHNA, V. H. Kulkarni</i>	206-FRI-01145-0536
II.08 Remote sensing of the plasmasphere, and coupling to the ionosphere Painter's Hall Chaired by: Fred Menk		
10:30	RECENT RESULTS FROM SPECTROGRAPHIC CORRELATION OF WHISTLER-MODE I SIGNALS AT DUNEDIN, NZ <i>NEIL R. THOMSON, Mark A. Clilverd, Keith H. Yearby</i>	208-FRI-01030-0149
11:00	MONITORING OF THE COLD ELECTRON DENSITY OF THE PLASMASPHERE BY AUTOMATIC WHISTLER DETECTOR AND ANALYZER SYSTEMS? NETWORK (AWDANET) <i>JÁNOS LICHTENBERGER, AWDANet Team</i>	208-FRI-01100-0201
11:15	THE AUTOMATIC WHISTLER DETECTOR: PRELIMINARY RESULTS FROM ROTHERA (ANTARCTICA) <i>MARK A. CLILVERD, János Lichtenberger, Neil Cobbett</i>	208-FRI-01115-0718
11:30	CORRELATION ANALYSIS OF DUNEDIN WHISTLERS AND GLOBAL LIGHTNING <i>ANDREW B. COLLIER, J. Lichtenberger, A. R. W. Hughes, C. J. Rodger, G. McDowell, J. R. Downs</i>	208-FRI-01130-0380
11:45-12:00 Discussion		
III.04 New perspectives of the magnetosphere-ionosphere system from global models, synoptic observations, and data assimilation LFCC Petőfi Chaired by: Jimmy Raeder		
10:30	QUANTIFYING ENERGY CIRCULATION IN THE NEAR-EARTH SPACE I <i>MINNA PALMROTH, Chandrasekhar Anekallu, Tiera Laitinen, Ilja Honkonen, Hannu Koskinen, and Tuija Pulkkinen</i>	304-FRI-01030-0668
11:00	THEMIS MULTI-SPACECRAFT OBSERVATIONS OF MAGNETOSHEATH I PLASMA PENETRATION DEEP INTO THE LOW-LATITUDE DAYSIDE MAGNETOSPHERE DURING NORTHWARD IMF <i>MARIT ØIEROSET, Tai Phan, Vassilis Angelopoulos, Wenhui Li, Jimmy Raeder, Jonathan Eastwood, Jim McFadden, Davin Larson, Chuck Carlson, Karl-Heinz Glassmeier</i>	304-FRI-01100-0899
11:30	DUAL REVERSED CONVECTION UNDER NORTHWARD IMF: A COMPREHENSIVE OBSERVATIONAL AND NUMERICAL INVESTIGATION <i>GANG LU, Yue Deng, Joachim Raeder, and Doug Larson</i>	304-FRI-01130-0850
11:45	MASS TRANSPORT IN THE MAGNETOTAIL LOBES <i>STEIN HAALAND, B. Lybekk, K. Svenes, A. Pedersen, M. Foerster, H. Vaith, R. Torbert</i>	304-FRI-01145-1016
III.08 Other magnetospheric worlds Educator's Hall Chaired by: Chris Arridge, Pontus Brandt		
10:30	AURORA AT EARTH, JUPITER AND SATURN: A COMPARATIVE VIEW I <i>JEAN-CLAUDE GERARD</i>	308-FRI-01030-1132
11:15	SOURCES AND SINKS OF NEUTRALS AND PLASMA IN THE JOVIAN AND SATURNIAN MAGNETOSPHERES <i>JOHN D RICHARDSON</i>	308-FRI-01115-0637
11:30	RESONANT ABSORPTION AT MERCURY'S MULTI ION PLASMAS <i>EUN-HWA KIM, Jay R. Johnson</i>	308-FRI-01130-0926
11:45	Discussion	

IV.03 Universal heliophysical processes

LFCCC Liszt

Chaired by: **Nat Gopalsway, Károly Kecskeméty**

10:30	SOLAR DYNAMO, INTERPLANETARY MAGNETIC FIELD, AND TERRESTRIAL CLIMATE <i>KATYA GEORGIEVA</i>	403-FRI-01030-0324
10:45	SIGNATURE OF HALE AND GLEISSBERG SOLAR CYCLES IN THE HELIOSPHERE - MAGNETOSPHERE ENVIRONMENT <i>CRISAN DEMETRESCU, Venera Dobrica, Georgeta Maris</i>	403-FRI-01045-0292
11:00	AN IMPROVED PREDICTION FOR THE SOLAR CYCLE 24 <i>GIULI VERBANAC, Roman Brajsa, Edward Cliver, Leif Svalgaard, Hubertus Woehl, Markus Roth, Arnold Hanslmeier</i>	403-FRI-01100-1025
11:15	FLUX ROPES IN THE HELIOSPHERE I <i>MARK LINTON</i>	403-FRI-01115-0470
11:45	ROTATION OF ERUPTING MAGNETIC FLUX ROPES IN CORONAL MASS EJECTIONS <i>TIBOR TÖRÖK, Bernhard Kliem, Mitchell A. Berger, Pascal Démoulin, Lidia van Driel-Gesztelyi</i>	403-FRI-01145-0274

IV.04 Advances in coordinated Sun-Earth system science through CAWSES and ILWS

LFCCC Széchenyi

Chaired by: **W. William Liu**

10:30	CROSS SCALE: A MISSION TO STUDY MULTI-SCALE COUPLING IN PLASMAS <i>RUMI NAKAMURA, S. J. Schwartz, M. Taylor, S. D. Bale, M. Fujimoto, P. Hellinger, W. Liu, P. Louarn, I. R. Mann, A. Masson, H. Opgenoorth, C. J. Owen, J.-L. Pincon, L. Sorriso-Valvo, A. Vaivads, R. F. Wimmer-Schweingruber</i>	404-FRI-01030-0923
11:00	SCIENTIFIC OBJECTIVES OF THE CANADIAN CASSIOPE ENHANCED POLAR OUTFLOW PROBE (E-POP) SMALL SATELLITE MISSION <i>ANDREW YAU, Gordon James</i>	404-FRI-01100-0415
11:30	LONG-TERM GEOMAGNETIC ACTIVITY: RECENT PROBLEMS, DEVELOPMENTS AND CONSEQUENCES FOR SPACE CLIMATE <i>KALEVI MURSULA</i>	404-FRI-01130-1222
11:45	TEMPORAL CHANGES OF SOLAR ACTIVITY AND GLOBAL GEOPHYSICAL PARAMETERS OF THE EARTH ON DIFFERENT TIME SCALES <i>TAMARA KUZNETSOVA</i>	404-FRI-01145-0237

V.01 Connecting space and ground-based magnetic data for scientific benefit

Pannonia

Chaired by: **Chris Finlay, Manuel Catalan, Terence Sabaka**

10:30	TECTONIC PROCESSES AND LITHOSPHERIC MAGNETIZATION: IMPROVED INTERPRETATION USING SPACE AND GROUND-BASED OBSERVATIONS <i>MICHAEL PURUCKER</i>	501-FRI-01030-0833
10:45	ELECTRICAL CONDUCTIVITY IN THE EARTH'S MANTLE INFERRED FROM OBSERVATORY AND SATELLITE DATA <i>JAKUB VELIMSKY</i>	501-FRI-01045-0776
11:00	STUDY OF GEOMAGNETIC INDUCED CURRENT EFFECT ON POWER GRID USING DIFFERENT VARIABLES <i>E. O. FALAYI and N. Beloff</i>	501-FRI-01100-0009
11:15	A TIME-DEPENDENT MODEL OF THE EARTH'S MAGNETIC FIELD AND ITS TEMPORAL CHANGE FOR THE PERIOD 1957 TO 2007 <i>INGO WARDINSKI, Vincent Lesur</i>	501-FRI-01115-1072
11:30	A GEOMAGNETIC REFERENCE MODEL FOR ALBANIA, SOUTH-EAST ITALY AND IONIAN SEA FROM 1990 TO 2008 WITH PREDICTION TO 2010 <i>ENKELEJDA QAMILI, Angelo De Santis, Bejo Duka, Niko Hyka</i>	501-FRI-01130-0166

11:45 **MODELLING THE EARTH'S MAGNETIC FIELD WITH SATELLITE AND OBSERVATORY DATA** *SUSAN MACMILLAN, Brian Hamilton, Alan Thomson, Sarah Reay*

501-FRI-01145-1154

Lunchtime (12:00-13:30)

Block 3 . 13:30–15:00

I.17 Paleomagnetism and rock magnetism of anomaly source rocks

Auditorium Green

Chaired by: **Laurie Brown, Silvana Geuna**

13:30	PREDICTIVE MAGNETIC EXPLORATION MODELS FOR PORPHYRY COPPER AND IRON-OXIDE COPPER-GOLD DEPOSITS <i>DAVID CLARK</i>	117-FRI-01330-0400
14:00	CHICXULUB MULTIRING IMPACT CRATER: UNDERGROUND STRUCTURE AND MAGNETIC ANOMALY SOURCES <i>JAIME URRUTIA FUCUGAUCHI, Mario Rebolledo Vieyra, Ligia Perez Cruz</i>	117-FRI-01400-1285
14:15	ROCK MAGNETIC CHARACTERIZATION THROUGH AN INTACT SEQUENCE OF OCEANIC CRUST, IODP HOLE 1256 D AND COMPARISON WITH DSDP HOLE 504 <i>EMILIO HERRERO-BERVERA, David Krasa, Gary Acton, Sedelia Rodriguez Durand, Mark Dekkers</i>	117-FRI-01415-0752
14:30	REMANENCES OF THE PAST I <i>KARL FABIAN, Suzanne A. McEnroe, Peter Robinson</i>	117-FRI-01430-1040

II.06 Equatorial atmosphere-ionosphere interactive processes: vertical

and latitudinal coupling and magnetospheric forcing

Theatre

Chaired by: **Shigeto Watanabe, Tiger Liu**

13:30	LONGITUDINAL STRUCTURE OF THE MID- AND LOW-LATITUDE IONOSPHERE OBSERVED BY FORMOSAT-3/COSMIC AND GPS NETWORK <i>CHARLES LIN, J. Y. Tiger Liu, C. H. Chen, C. H. Liu, H. F. Tsai</i>	206-FRI-01330-1168
14:00	THE CAUSAL LINK OF THE DE-3 TIDE, VERTICAL DRIFT, AND PLASMA DENSITY <i>HYOSUB KIL, Tzu-Wei Fang, Seung-Jun Oh, Elsayed Talaat, Larry Paxton</i>	206-FRI-01400-0714
14:30	THE EFFECT OF SOLAR CYCLE ON THE COUPLING BETWEEN THE LOWER ATMOSPHERE AND IONOSPHERE <i>ELSAIED R. TALAAT</i>	206-FRI-01430-1333
14:45	EQUATORIAL COUNTER ELECTROJETS AND POLAR STRATOSPHERIC SUDDEN WARMINGS - STUDY OF THE VERTICAL AND LATERAL COUPLING IN THE EQUATORIAL IONOSPHERE <i>TARUN KUMAR PANT, C. Vineeth, R. Sridharan</i>	206-FRI-01445-0195

II.08 Remote sensing of the plasmasphere, and coupling to the ionosphere

Painter's Hall

Chaired by: **János Lichtenberger**

13:30	REMOTE SENSING OF THE PLASMASPHERE MASS DENSITY BY GEOMAGNETIC FIELD LINE RESONANCES DETECTED AT SEGMA ARRAY DURING THE LAST SOLAR CYCLE <i>MASSIMO VELLANTE, Matthias Förster, Michael Pezzopane, Lee-Anne McKinnell, Norbert Jakowski</i>	208-FRI-01330-1033
14:00	THE LONGITUDINAL AND SEASONAL VARIATION IN PLASMASPHERIC DENSITY <i>FREDERICK MENK, Sean Ables, Mark Ciliverd, Russell Grew</i>	208-FRI-01400-0816

14:15	SOLAR CYCLE AND SEASONAL VARIATION OF PLASMA MASS DENSITY INFERRED FROM ULF AND VLF OBSERVATIONS AT LOW LATITUDES <i>BALÁZS HEILIG, János Lichtenberger, Peter Sutcliffe, József Verő, Pál Bencze, László Merényi, András Csontos, Péter Kovács, Christopher Ndiitwani</i>	208-FRI-01415-0319
14:30	MODULATION OF NTC FREQUENCIES BY PCS ULF PULSATIONS: EXPERIMENTAL TEST OF THE GENERATION MECHANISM AND MAGNETOSEISMOLOGY OF THE EMITTING SURFACE <i>Sandrine Grimald, CLAIRE FOULLON, P. M. E. Décréau, G. Lerouzie, X. Surau, X. Vallières</i>	208-FRI-01430-1221
III.03 Magnetosphere-ionosphere interactions and auroral processes Educator's Hall Chaired by: Chris Chaston		
13:30	HEAVY ION ENERGIZATION, TRANSPORT AND LOSS IN THE EARTH'S I MAGNETOSPHERE <i>HANS NILSSON, Martin Waara, Sachiko Arvelius, Masatoshi Yamauchi, Octav Marghitu</i>	303-FRI-01330-0385
14:00	OBSERVATION OF LOCALLY ACCELERATED OUTFLOWING ION BEAMS ABOVE THE POLAR CAP WITH CLUSTER: STATISTICAL RESULTS <i>ROMAIN MAGGIOLO, M. Echim, D. Fontaine, A. Teste, J. De Keyser and C. Jacquey</i>	303-FRI-01400-1031
14:15	ION DISTRIBUTION FUNCTION CHARACTERISTICS OF THE POLAR WIND ON ~20000 KM ALTITUDES <i>DMITRY CHUNGUNIN</i>	303-FRI-01415-0202
14:30	CROSS-FIELD ION ACCELERATION BY KINETIC ALFVEN TURBULENCE IN AURORAL ZONES <i>YURIY VOITENKO, Johan De Keyser</i>	303-FRI-01430-1258
14:45	EVIDENCE FOR QUASISTATIONARY ACCELERATION OF AURORAL ELECTRONS AND IONS FROM CLUSTER-DMSP OBSERVATIONS AND KINETIC MODELING OF THE AURORAL GENERATOR <i>MARIUS . M. ECHIM, R. Maggiolo, M. Roth, and J. De Keyser</i>	303-FRI-01445-0337
III.04 New perspectives of the magnetosphere-ionosphere system from global models, synoptic observations, and data assimilation LFCCC Petőfi Chaired by: Marit Oieroset		
13:30	INSIGHTS ON RADIATION BELT PHYSICS FROM THE DYNAMIC RADIATION I ENVIRONMENT ASSIMILATION MODEL, DREAM <i>Geoffrey D. Reeves, REINER H. W. FRIEDEL, Josef Koller, Yue Chen, and Michael G. Henderson</i>	304-FRI-01330-0950
14:00	THE VIRTUAL RADIATION BELT OBSERVATORY (VIRBO) AND THE FUTURE I OF THE VxO ENVIRONMENT <i>Robert S. Weigel, E. A. Kihn, D. N. Baker, R. Friedel, J. Green, S. Bourdarie, J. Faden, M. Zhizhin, D. Mishin</i>	304-FRI-01400-0964
14:30	ON THE OUTWARD DRIFT OF PLASMASPHERIC IONS DURING MAGNETIC STORMS AS A REASON FOR TEMPERATURE DECREASING <i>GALINA A. KOTOVA, M. I. Verigin, V. V. Bezrukikh, V. V. Bogdanov</i>	304-FRI-01430-0219
14:45	EVIDENCE FOR ENHANCED SOLAR WIND DRIVING OF THE MAGNETOSPHERE-IONOSPHERE SYSTEM DURING PERIODS OF ALFVÉNIC IMF <i>Heejeong Kim, LARRY LYONS, Xiaoyan Xing, Shasha Zou, Thanasis Boudourdis, Craig Heinselman, Michael Nicolls, Mary McCready, Dae-Young-Lee, Vassilis Angelopoulos, D. Larson, J. McFadden, A. Runov, K.-H. Fornacon</i>	304-FRI-01445-0430

IV.03 Universal heliophysical processes LFCCC Liszt Chaired by: Bojan Vrsnak, Barbara Thompson		
13:30	MAGNETIC FLUX AND HELICITY OF ACTIVE REGIONS IN THE SUN EARTH SYSTEM <i>BRIGITTE SCHMIEDER, E. Pariat</i>	403-FRI-01330-0496
13:45	LARGE-SCALE CORONAL WAVES ASSOCIATED WITH FLARES AND CMES I <i>ASTRID M. VERONIG</i>	403-FRI-01345-0277
14:15	WHITE-LIGHT OBSERVATIONS OF RADIO-QUIET AND RADIO-LOUD INTERPLANETARY SHOCKS <i>NAT GOPALSWAMY, P. Mäkelä, H. Xie, S. Yashiro</i>	403-FRI-01415-1318
14:30	CURRENT SHEETS IN THE SOLAR ATMOSPHERE I <i>GIANNINA POLETTO</i>	403-FRI-01430-0419
IV.04 Advances in coordinated Sun-Earth system science through CAWSES and ILWS LFCCC Széchenyi Chaired by: W. William Liu		
13:30	COSMOGENIC ISOTOPES: SOLAR ACTIVITY AND CLIMATE I <i>JUERG BEER, Friedhelm Steinhilber, Jose Abreu</i>	404-FRI-01330-1359
14:00	CAWSES: PAST, PRESENT, AND FUTURE I <i>SUSAN K. AVERY, Alan Rodger</i>	404-FRI-01400-1358
14:30	THE PICARD MISSION I <i>GERARD THUILLIER, Steven Dewitte, Werner Schmutz, and the PICARD team</i>	404-FRI-01430-0366
V.08 Reporter reviews Pannonia Chaired by: Alan Thomson, Monika Korte		
13:30	GEOMAGNETIC OBSERVATORY PRACTICE, INSTRUMENTATION AND I NETWORK <i>AUDE CHAMBODUT, Jean-Jacques Schott</i>	508-FRI-01330-0632
14:00	CONNECTING SPACE AND GROUND-BASE MAGNETIC DATA FOR I SCIENTIFIC BENEFIT <i>MANUEL CATALÁN</i>	508-FRI-01400-0677
14:30	RESULTS FROM THE DECADE OF GEOPOTENTIAL RESEARCH AND FUTURE I PROSPECTS <i>MICHAEL PURUCKER</i>	508-FRI-01430-0515
H.02 History of geomagnetic observations, observatories, and indices Lyceum Chaired by: Gregory A. Good		
13:30	GEOMAGNETIC OBSERVATIONS FROM 1600-1850 <i>ANDREW JACKSON, Art Jonkers</i>	H02-FRI-01330-0629
14:00	BIRKELAND'S PIONEERING STUDIES OF GEOMAGNETIC DISTURBANCES <i>ALV EGGLELAND</i>	H02-FRI-01400-0612
14:30	GEOMAGNETIC INDICES <i>LEIF SVALGAARD</i>	H02-FRI-01430-0550
Coffee Break 15:00-15:30 LFCCC First Floor, Theatre First Floor, Pannonia, Aula		

Block 4. 15:30–17:00

I.17 Paleomagnetism and rock magnetism of anomaly source rocks
Auditorium Green
Chaired by: **Laurie Brown, Silvana Geuna**

15:30	IMPLICATIONS OF STRONG NATURAL REMANENT MAGNETIZATIONS IN REGIONS ON THE EARTH FOR THE INTERPRETATIONS OF STRONG AND REGIONALLY EXTENSIVE MAGNETIC ANOMALIES ON MARS <i>DHANANJAY RAVAT</i>	117-FRI-01530-0635
16:00	ANORTHOSITES AS SOURCES OF MAGNETIC ANOMALIES <i>LAURIE BROWN, Suzanne McEnroe</i>	117-FRI-01600-0917
16:15	MAGNETIC CHARACTERISTICS OF FRACTURE ZONES IN YOUNG VOLCANIC TERRAINS <i>HECTOR LOPEZ-LOERA, Jaime Urrutia-Fucugauchi, Luis Alva-Valdivia</i>	117-FRI-01615-0740
16:30	LITHOSPHERE MAGNETIC ANOMALIES IN THE TERRITORY OF RUSSIA <i>TAMARA P. LITVINOVA, O. V. Petrov, Yu. M. Erinchek</i>	117-FRI-01630-1332

II.06 Equatorial atmosphere-ionosphere interactive processes: vertical and latitudinal coupling and magnetospheric forcing
Theatre
Chaired by: **Shigeto Watanabe, Tiger Liu**

15:30	LONGITUDINAL DIFFERENCE OF THE MESOSPHERE/LOWER THERMOSPHERE STRUCTURES OBSERVED WITH GROUND-BASED LIDAR, AIRGLOW AND RADAR MEASUREMENTS BETWEEN JAPAN (~135E) AND COLORADO (~105W) <i>TAKUJI NAKAMURA, M. K. Ejiri, J. Yue, C.-Y. She, T. D. Kawahara, K. Shiokawa, S. Suzuki</i>	206-FRI-01530-1228
16:00	SEISMO-IONOSPHERIC GPS TEC ANOMALIES OBSERVED BEFORE THE 12 MAY 2008 MW 7.9 WENCHUAN EARTHQUAKE <i>J. Y. TIGER LIU, Y. I. Chen, K. I. Oyama, K. Hattori, C. H. Lin</i>	206-FRI-01600-1173
16:15	THE IONOSPHERIC DISTURBANCES OBSERVED PRIOR TO SUMATRA TSUNAMI AND THEIR POSSIBLE ASSOCIATION WITH PRE-TSUNAMI ACTIVITY <i>Esfhan Alam Kherani, P. Lognonne, E. R. de Paula, H. Herbert</i>	206-FRI-01615-0240
16:30	ABOUT THE POSSIBLE MECHANISM OF FORMATION OF EARTHQUAKE IONOSPHERIC PRECURSORS IN WENCHUAN <i>MAXIM KLIMENKO, Vladimir Klimenko, Biqiang Zhao, Irina Zakharenkova, Dimitar Ouzounov</i>	206-FRI-01630-0175
16:45	Discussion	

II.08 Remote sensing of the plasmasphere, and coupling to the ionosphere
Painter's Hall
Chaired by: **János Lichtenberger**

15:30	COMPARISON THE HYPERFINE STRUCTURE OF WHISTLERS MEASURED SIMULTANEOUSLY ON GROUND STATION AND ON BOARD OF DEMETER SATELLITE <i>DÁNIEL HAMAR, Cs. Ferencz, P. Steinbach, J. Lichtenberger, O. E. Ferencz, M. Parrot</i>	208-FRI-01530-0233
15:45	VLF REMOTE SENSING OF LOWER IONOSPHERE DISTURBANCES AT A MEDIUM LATITUDE SITE AND THEIR CORRELATION WITH HIGH ENERGY ELECTRON FLUX <i>ERNST D. SCHMITTER</i>	208-FRI-01545-0405
16:00	SIMULATIONS OF SELF-CONSISTENT RADIOWAVE DAMPING BY AN ARTIFICIAL IONOSPHERE TURBULENCE <i>ANDREY V. KOCHETOV</i>	208-FRI-01600-0710

16:15	THE PLASMASPHERE AS A SOURCE OF THE MAINTENANCE OF THE NIGHT-TIME IONOSPHERIC F2-LAYER: MATHEMATICAL MODELING <i>MARIA A. KNYAZEVA, Alexander A. Namgaladze, Oleg V. Martynenko</i>	208-FRI-P1615-0217
16:20	CHARACTERISTICS OF VLF ATMOSPHERICS NEAR THE RESONANCE FREQUENCY OF EARTH-IONOSPHERE WAVEGUIDE 1.6-2.3 kHz BY OBSERVATIONS IN THE AURORAL REGION <i>Alexander Ostapenko, Elena Titova, Tauno Turunen, JYRKI MANNINEN, Tero Raita</i>	208-FRI-P1620-0616
16:25	GLOBAL IMAGES OF THE PLASMASPHERE FROM THE MERIDIAN PERSPECTIVE OBSERVED BY KAGUYA <i>GO MURAKAMI, Ichiro Yoshikawa, Yuki Obana, Kazuo Yoshioka, Gentaro Ogawa, Atsushi Yamazaki, Masato Kagitani, Makoto Taguchi, Masayuki Kikuchi</i>	208-FRI-P1625-0621
16:30	Discussion	

III.03 Magnetosphere-ionosphere interactions and auroral processes
Educator's Hall
Chaired by: **Hans Nilsson**

15:30	M-I COUPLING AND AURORAL STRUCTURING ON SMALL SCALES <i>I CHRISTOPHER C. CHASTON, FAST Team, Reimei Team</i>	303-FRI-01530-1172
16:00	TWO-FLUID MODELING OF KINETIC ALFVÉN WAVES <i>ROBERT L. LYSAK and Yan Song</i>	303-FRI-01600-0749
16:15	SMALL-SCALE AURORAL STRUCTURES OBSERVED SIMULTANEOUSLY AT THE TOP AND BOTTOM OF THE IONOSPHERE <i>JURGEN WATERMANN, Thierry Dudok de Wit, Vladimir Krasnoselskikh, Scott R. Bounds, Guillaume Jannet, Michel Chabassière</i>	303-FRI-01615-0676
16:30	AURORAL ARC STUDIES USING GROUND-BASED OPTICAL IMAGING <i>INGRIS SANDAHL, Urban Brändström, Tima Sergienko, Björn Gustavsson</i>	303-FRI-01630-0529
16:45	GENERAL CHARACTERISTICS OF NEW, FULL WAVE MODELING METHODS IN THE MAGNETOSPHERIC PROPAGATION <i>CSABA FERENCZ</i>	303-FRI-01645-0223

III.04 New perspectives of the magnetosphere-ionosphere system from global models, synoptic observations, and data assimilation
LFCCC Petőfi
Chaired by: **Gang Lu**

15:30	THE USU GAIM PHYSICS-BASED DATA ASSIMILATION MODEL: RECENT DEVELOPMENTS AND RESULTS <i>LUDGER SCHERLIESS, Robert W. Schunk, Donald C. Thompson</i>	304-FRI-01530-0980
16:00	ADVANCES IN DERIVATION OF BIRKELAND CURRENTS FROM IRIDIUM: INITIAL RESULTS FROM AMPERE DEVELOPMENT <i>Brian J. Anderson, Haje Korth, and COLIN L. WATERS</i>	304-FRI-01600-1180
16:30	NEW OBSERVATIONAL PERSPECTIVES ON AURORAL ARCS <i>I ERIC DONOVAN</i>	304-FRI-01630-1202

IV.03 Universal heliophysical processes
LFCCC Liszt
Chaired by: **Bojan Vrsnak, Barbara Thompson**

15:30	THE SOLAR WIND <i>I OYSTEIN LIE-SVENDSEN</i>	403-FRI-01530-1024
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16:00	SOLAR WIND PROPERTIES THROUGHOUT THE HELIOSPHERE BY MULTI-SPACECRAFT ANALYSIS ANDREA OPITZ, Jean-Andre Sauvaud, Peter Wurz, Karoly Szego, Andrei Fedorov, Janet Luhmann, Paul Kellogg, Christopher T. Russell, Antoinette B. Galvin, Stas Barabash, Reto Karrer	403-FRI-01600-1334
16:15	ENCORE OF THE BASHFUL BALLERINA IN SOLAR CYCLE 23 KALEVI MURSULA, I. I. Virtanen	403-FRI-01615-1107
16:30	GEOMAGNETIC STORM WITH MAIN PHASE DURING NORTHWARD IMF AND TRANSFER OF ELECTROMAGNETIC ENERGY TO MAGNETOSPHERE TAMARA KUZNETSOVA, Alex Laptukhov, Valery Petrov	403-FRI-01630-0236
16:45	OBSERVATION OF A COMPLEX SOLAR WIND RECONNECTION EXHAUST FROM SPACECRAFT SEPARATED BY OVER 1800 RE BENOIT LAVRAUD, J. T. Gosling, A. P. Rouillard, A. Fedorov, A. Opitz, J.-A. Sauvaud, C. Foullon, I. Dandouras, V. Génot, C. Jacquey, P. Louarn, C. Mazelle, E. Penou, T. D. Phan, D. E. Larson, J. G. Luhmann, P. Schroeder, R. M. Skoug, J. T. Steinberg and C. T. Russell	403-FRI-01645-0702
IV.04 Advances in coordinated Sun–Earth system science through CAWSES and ILWS LFCCC Széchenyi Chaired by: W. William Liu		
15:30	HIGHLIGHTS OF THE CAWSES PRIORITY PROGRAM IN GERMANY I FRANZ-JOSEF LÜBKEN	404-FRI-01530-0905
16:00	ON THE REMARKABLE STRATOSPHERIC WARMING IN THE WINTER I 2008/2009 KARIN LABITZKE, Markus Kunze	404-FRI-01600-0499
16:30	VARIATIONS IN THE SOLAR FLUX DEPENDENCE OF MESOPAUSE TEMPERATURES OVER TWO SOLAR CYCLES JENS OBERHEIDE, D. Offermann, P. Knieling, R. Koppmann, W. Steinbrecht, K. Höppner	404-FRI-01630-1065
V.08 Reporter reviews Pannonia Chaired by: Alan Thomson, Monika Korte		
15:30	GEOMAGNETIC JERKS AND RAPID CORE FIELD VARIATIONS I RICHARD HOLME	508-FRI-01530-1356
16:00	PRESENT TRENDS IN GENERATION AND USES OF GEOMAGNETIC INDICES I NANDINI NAGARAJAN	508-FRI-01600-1287
16:30	IMPROVING THE MODELLING OF THE LITHOSPHERIC FIELD AT ALL SCALES FOR THE BENEFIT OF GEOPHYSICAL INTERPRETATIONS I ERWAN THÉBAULT	508-FRI-01630-1160
H.02 History of geomagnetic observations, observatories, and indices Lyceum Chaired by: Gregory A. Good		
15:30	POTSDAM - SEDDIN - NIEMEGK: HISTORY OF A LONG-TERM GEOMAGNETIC OBSERVATORY SERIES HANS-JOACHIM LINTHE	H02-FRI-01530-0438
15:45	HISTORY OF COLABA / ALIBAG MAGNETIC OBSERVATORY ALEX SOBHANA, B. D. Kadam	H02-FRI-01545-0126
16:00	SPACE MAGNETOMETRY: FROM THE EARTH INTO SPACE EDWARD J. SMITH	H02-FRI-01600-0500
16:30	THE MODERN GLOBAL NETWORK OF MAGNETIC OBSERVATORIES AND INTERMAGNET JEFFREY J. LOVE	H02-FRI-01630-0558

Poster Session (17:00–19:00)

Local wine is served in Aula and Lyceum Courtyard between 17:30 and 19:00

I.05 Deep mantle structure imaged by electromagnetic observations using long-period MT, cables and satellites. <i>In memory of Ulrich Schmucker (1930–2008)</i> Aula Chaired by: Juanjo Ledo		
17:00	SEISMOELECTROMAGNETIC SIGNALS ABOVE THE OCEAN (ELEMENTS OF THE TSUNAMI PRECURSOR PHYSICS) OLEG NOVIK	105-FRI-P1700-0243
	IMAGING OF THE REGIONAL RESISTIVITY STRUCTURE AROUND A SUBDUCTION ZONE BY USING LONG DIPOLE DATA MAKI HATA, Naoto OSHIMAN, Ryohei YOSHIMURA, Yoshikazu TANAKA, Makoto UYESHIMA	105-FRI-P1700-0272
	LONG-PERIOD MAGNETOTELLURIC SURVEY FROM THE BLACK FOREST THROUGH THE WESTERN ALPS TO THE PO BASIN DJAMIL AL-HALBOUNI, Karsten Bahr	105-FRI-P1700-0523
	ANALYSIS OF LONG PERIOD MAGNETOTELLURIC DATA MEASURED IN REGIONS AFFECTED BY VOLCANISM IN GERMANY FRIEDMANN SAMROCK, Karsten Bahr, Friedrich Maier	105-FRI-P1700-0563
	ON THE POSSIBLE ORIGINS OF NATURAL LOW-FREQUENCY EM NOISE IN SHALLOW BRACKISH WATER BASINS NIKOLAY PALSHIN, Denis Yakovlev, Andrey Yakovlev and Aleksey Geraskin	105-FRI-P1700-0719
	SHALLOW WATER MT TECHNOLOGY Andrei Yakovlev, Denis Yakovlev, Georgii Trigubovich, Vladimir Lygin, Nikolay Palshin	105-FRI-P1700-0800
	THIN SHEET INVERSION OF THE HORIZONTAL MAGNETIC INTER-STATION RESPONSES FROM THE EMTESZ-POMERANIA ARRAY V. Červ, S. KOVÁČIKOVÁ, M. Menvielle, J. Pek, E. Sokolova, Iv. Varentsov and EMTESZ-Pomerania WG	105-FRI-P1700-0830
	COMPARISON OF TECHNIQUES TO EXTRACT GEOMAGNETIC FIELD COMPONENTS FROM ARRAY OF INDUCTION ARROWS USING SPLINES AND HILBERT TRANSFORMS WALDEMAR JOZWIAK, Svetlana Kovacikova, Krzysztof Nowozynski, Ivan Varentsov	105-FRI-P1700-0831
	LONG PERIOD MANGETOVARIAIONAL STUDIES OF CRUSTAL AND MANTLE STRUCTURES RELATED TO VOLCANIC AREAS IN WESTERN AND CENTRAL GERMANY FELIX HIPPMANN, Karsten Bahr	105-FRI-P1700-0879
	DEVELOPMENT OF NEW EXPLORATION TOOLS FOR DEEP SEABED MINERAL RESOURCES BY USING ELECTRICAL AND MAGNETIC METHODS Keizo Sayanagi, Tada-nori Goto, Takafumi Kasaya, Makoto Harada, Takahiro Nakajima, Takao Sawa, TOSHIYASU NAGAO, Akihiro Takeuchi, Jun Matsuo, and Nobuhiro Isezaki	105-FRI-P1700-0971
	EM IMAGING BENEATH THE BACK-ARC REGION OF SOUTHWEST JAPAN: COOPERATIVE SEAFLOOR AND LAND SURFACE EM OBSERVATIONS Naoto Oshiman, RYOKEI YOSHIMURA, Hiroaki Toh, Takafumi Kasaya, Masashi Shimoizumi, Ichiro Shiozaki, Masafumi Shingai, Ikuko Fujii, Satoru Yamaguchi, Hideki Murakami, Akira Yamazaki, Makoto Uyeshima	105-FRI-P1700-0982
	A REFERENCE 1-D MODEL OF ELECTRICAL CONDUCTIVITY FOR THE UPPER MANTLE BENEATH THE PHILIPPINE SEA Kiyoshi Baba, HISASHI UTADA, Hisayoshi Shimizu	105-FRI-P1700-0983

	A REVISED 1-D ELECTRICAL CONDUCTIVITY REFERENCE STRUCTURE BENEATH NORTH PACIFIC OBTAINED BY SEMI-GLOBAL INDUCTION STUDY <i>HISAYOSHI SHIMIZU, Takao Koyama, Kiyoshi Baba, Hisashi Utada</i>	105-FRI-P1700-1068
	GEOELECTRICAL CONSIDERATIONS OF THE CENTRAL BETIC LISTHO-SPHERIC STRUCTURE: EXTENDING THE PREVIOUS WORKS TOWARDS WEST ORIOL ROSELL, Alex Marcuello, Anna Martí, Juanjo Ledo, Pilar Queralt	105-FRI-P1700-1096
	I.14 Geo- and paleo-magnetic data constraints on geodynamo models Aula Chaired by: David Gubbins	
17:00	GEOMAGNETIC REVERSALS, TECTONICS AND THE CORE MANTLE BOUNDARY TOPOGRAPHY <i>BRENO R.F. SILVA, Igor I. G. Pacca</i>	114-FRI-P1700-0336
	ELEMENTS OF THE NORMAL GEOMAGNETIC FIELD ON THE TERRITORY OF THE REPUBLIC OF MACEDONIA <i>MARJAN DELIPERTEV, Todor Delipetrov, Blagica Doneva</i>	114-FRI-P1700-0378
	QUANTIFYING PALEOSECULAR VARIATION DURING THE CRETACEOUS NORMAL SUPERCHRON <i>JULIA LINDER, Stuart A. Gilder</i>	114-FRI-P1700-0764
	THE AXIAL DIPOLE AND FLOW AT THE CORE SURFACE <i>KATHRYN WHALER, Christian Lynch</i>	114-FRI-P1700-1152
	STRONG EVIDENCE FOR GROUPING OF TRANSITIONAL POINTS IN THE CRETACEOUS VGP TRAJECTORIES REVEALED BY WAVE COHERENCE <i>GEORGE CAMINHA-MACIEL FILHO, Marcia Ernesto</i>	114-FRI-P1700-1176
	A EUROPEAN GEOMAGNETIC FIELD MODEL FROM 6000 BC TO 1000 BC <i>F. J. PAVÓN-CARRASCO, M. L. Osete, and J. M. Torta</i>	114-FRI-P1700-1198
	NEW ARCHAEOMAGNETIC DATA FROM MID-HOLOCENE BURNT CAVE SEDIMENTS AT NORTHERN IBERIA <i>ÁNGEL CARRANCHO, Juan José Villalaín, Francisco Javier Pavón, Diego E. Angelucci, José M. Carretero, Manuel R. González-Morales, Ana Isabel Ortega, Lawrence G. Straus, Josep Maria Vergès</i>	114-FRI-P1700-1201
	I.17 Paleomagnetism and rock magnetism of anomaly source rocks Aula Chaired by: Laurie Brown, Silvana Geuna	
17:00	THE MAGNETIC ANOMALY ON THE PERMIAN ALCAPARROSA PORPHYRY (ARGENTINA): A CASE OF PYRRHOTITE-REMANENCE-DOMINATED ANOMALY <i>SILVANA GEUNA, Leonardo Escosteguy</i>	117-FRI-P1700-0179
	NEAR-BOTTOM MAGNETIC FIELD OBSERVATIONS AT THE MARIANA TROUGH BACK-ARC SPREADING CENTER <i>TOSHIYA FUJIWARA, Miho Asada, Susumu Umino, Yuki Koike</i>	117-FRI-P1700-1001
	RED SEDIMENTARY AND COMBUSTION METAMORPHIC ROCKS AS MAGNETIC ANOMALY SOURCES; ROCK MAGNETIC AND PALAEOMAGNETIC SIGNATURES RECOVERED FROM BAUXITES AND PORCELANITES <i>SORIN-CORNELIU RĂDAN, Silviu Rădan</i>	117-FRI-P1700-1037
	MAGNETOACTIVE CRUSTAL LAYER OF THE ANTARCTIC COAST OF THE STATION „ACADEMIC VERNADSKY” <i>VALERY KORCHIN, Boris Savenko, Peter Burtny, Elena Karnaukhova</i>	117-FRI-P1700-1045
	HETEROGENEITY OF AN EARTH’S CRUST OF OIL-AND-GAS ZONES <i>TAMARA P. LITVINOVA, A. A. Petrova</i>	117-FRI-P1700-1114

	II.06 Equatorial atmosphere-ionosphere interactive processes: vertical and latitudinal coupling and magnetospheric forcing Lyceum Gymnastic Hall, level 1 Chaired by: Rumi Nakamura, Mangalathayil A. Abdu	
17:00	SOLAR FLUX EFFECTS ON THE PREREVERSAL VERTICAL DRIFT FOR SOLAR MINIMUM CONDITIONS: A COMPARISON BETWEEN OBSERVATIONAL DATA AND IRI MODEL <i>ÂNGELA M. SANTOS, MANGALATHAYIL A. ABDU, PAULO A. B. NOGUEIRA</i>	206-FRI-P1700-0334
	I A STUDY OF THE EQUATORIAL IONIZATION ANOMALY AND THERMOSPHERIC MERIDIONAL WINDS DURING QUIET AND DISTURBED PERIODS OVER BRAZILIAN LOW LATITUDES <i>PAULO A. B. NOGUEIRA, MANGALATHAYIL A. ABDU, INEZ S. BATISTA, ÂNGELA M. SANTOS</i>	206-FRI-P1701-0343
	EFFECTS OF PRESSURE-GRADIENT FORCE AND TEMPERATURE ON THE NONLINEAR COLLISIONAL-INTERCHANGE INSTABILITY IN THE F REGION: ELECTROMAGNETIC EFFECTS <i>FRANCISCO C. DE MENESES, E. Alam Kherani, Polinaya Muralikrishna, Eurico R. de Paula</i>	206-FRI-P1702-0262
	IONOSPHERIC CONDITIONS AFFECTING THE MORPHOLOGY OF PLASMA BUBBLES IN THE TROPICAL REGION <i>MAÍRA MAESTRI, Alexandre Pimenta</i>	206-FRI-P1703-0146
	SIMULTANEOUS MEASUREMENTS OF DARK BAND STRUCTURES IN THE OI 630 nm EMISSION ALL-SKY IMAGES ASSOCIATED WITH RAYLEIGH-TAYLOR INSTABILITY AND PERKINS INSTABILITY <i>LINDALVA LOPES, A. A. Pimenta</i>	206-FRI-P1704-0169
	TOPSIDE PLASMA BUBBLES, SEEN AS HE+ DENSITY DEPLETIONS, AND THERMOSPHERE MERIDIONAL WIND INFLUENCE <i>LARISSA SIDOROVA, Sergey Filippov</i>	206-FRI-P1705-0128
	RELEVANT ASPECTS OF THERMOSPHERIC DARK BAND STRUCTURE RELATED WITH MIDLATITUDES SPREAD F OBSERVED BY ALL-SKY IMAGING SYSTEM IN THE SOUTHERN HEMISPHERE OVER TWO FULL SOLAR CYCLE <i>DANIELLE AMORIM, Alexandre Pimenta</i>	206-FRI-P1706-0133
	FORMATION OF LARGE-SCALE LATITUDINAL IRREGULARITIES OF ELECTRON DENSITY IN THE EARTH’S IONOSPHERE <i>MAXIM KLIMENKO, Vladimir Klimenko</i>	206-FRI-P1707-0090
	MODELING THE EASTWARD EQUATORIAL ELECTRIC FIELD USING CHAMP MAGNETOMETER DATA <i>Patrick Alken, S. Maus, C. Manoj</i>	206-FRI-P1708-0933
	GPS SCINTILLATION AT TWO LOW MAGNETIC LATITUDE STATIONS IN BRAZIL DURING THE 2008-2009 PROLONGED SOLAR MINIMUM <i>ENIVALDO BONELLI, R. Y. L. C. Cueva, E. R. de Paula</i>	206-FRI-P1709-1120
	CONJUGATE POINT OBSERVATIONS OF KILOMETER AND METER SCALES IRREGULARITY ZONAL DRIFT VELOCITIES <i>MARCIO MUELLA, Eurico de Paula, Jose Humberto Sobral, Keith Groves</i>	206-FRI-P1710-0054
	THE PROPERTIES AND SOURCES OF GRAVITY WAVES DETECTED BY THE TIDDBIT SOUNDER OVER WALLOPS ISLAND ON 30 OCTOBER, 2007 <i>Sharon L. Vadas, G. Crowley</i>	206-FRI-P1711-0518
	OBSERVATIONAL EVIDENCE FOR MESOSPHERE-IONOSPHERE COUPLING THROUGH LONG-PERIOD OSCILLATIONS <i>LOURIVALDO M. LIMA, Inez S. Batista, Mangalathayil A. Abdu, Paulo P. Batista, Barclay R. Clemesha, Hisao Takahashi</i>	206-FRI-P1712-1289
	COMPARISON OF MODEL CALCULATION RESULTS AND DATA OBSERVATION OF IONOSPHERIC PRECURSORS OF STRONG EARTHQUAKE IN VANIMO ON JULY, 16, 1980 <i>Maxim Klimenko, VLADIMIR KLIMENKO, Sergei Pulinets</i>	206-FRI-P1713-0091

	STUDIES OF THE SPACE WEATHER EFFECTS ON THE IONOSPHERIC ENVIRONMENT AT THE BRAZILIAN SECTOR DURING DISTURBED PERIODS AS SEEN IN THE E-REGION PARAMETERS LAYSÁ C. A. RESENDE, Clezio M. Denardini, Lais M. Guizelli, Pedro S. C. Almeida, Henrique C. Aveiro	206-FRI-P1714-0332
	INTERPLANETARY MAGNETIC AND ELECTRIC FIELDS: DETERMINANTS FOR THE DEVELOPMENT OF IONOSPHERE SUPERSTORMS? ELVIRA ASTAFYEVA, Pavel Tatarinov	206-FRI-P1716-0304
	MONITORING OF IONOSPHERIC WEATHER OVER CYPRUS AND EGYPT: FIRST RESULTS HARIS HARALAMBOUS, A. Mahrous, P. Vryonides, A. Shemis	206-FRI-P1717-1230
	II.08 Remote sensing of the plasmasphere, and coupling to the ionosphere Lyceum Gymnastic Hall, level 1 Chaired by: János Lichtenberger	
17:00	THE PLASMASPHERE AS A SOURCE OF THE MAINTENANCE OF THE NIGHT-TIME IONOSPHERIC F2-LAYER: MATHEMATICAL MODELING MARIA A. KNYAZEVA, Alexander A. Namgaladze, Oleg V. Martynenko	208-FRI-P1615-0217
	CHARACTERISTICS OF VLF ATMOSPHERICS NEAR THE RESONANCE FREQUENCY OF EARTH-IONOSPHERE WAVEGUIDE 1.6-2.3 kHz BY OBSERVATIONS IN THE AURORAL REGION Alexander Ostapenko, Elena Titova, Tauno Turunen, JYRKI MANNINEN, Tero Raita	208-FRI-P1620-0616
	GLOBAL IMAGES OF THE PLASMASPHERE FROM THE MERIDIAN PERSPECTIVE OBSERVED BY KAGUYA GO MURAKAMI, Ichiro Yoshikawa, Yuki Obana, Kazuo Yoshioka, Gentaro Ogawa, Atsushi Yamazaki, Masato Kagitani, Makoto Taguchi, Masayuki Kikuchi	208-FRI-P1625-0621
	III.04 New perspectives of the magnetosphere-ionosphere system from global models, synoptic observations, and data assimilation Lyceum Gymnastic Hall, level 0 Chaired by: Gang Lu, Jimmy Raeder	
17:00	COMPARISON OF ELECTRON PLASMA FREQUENCIES COMPUTED FROM NEQUICK_2_0_1 WITH MEASUREMENTS ON APEX AND CORONAS-I SATELLITES AREK KIRAGA	304-FRI-P1700-1354
	MODELLING OF THE GLOBAL IONOSPHERE BEHAVIOUR DURING MAJOR MAGNETIC STORMS USING THE NUMERICAL UPPER ATMOSPHERE MODEL YULIA V. ZUBOVA, Alexander A. Namgaladze	304-FRI-P1700-0215
	LARGE-SCALE FIELD-ALIGNED CURRENTS DISTRIBUTION MODELLED AS NONLINEAR MODES GENERATED BY SOLAR WIND AND INTERPLANETARY MAGNETIC FIELD VARIATIONS PETKO NENOVSKI	304-FRI-P1700-0281
	MODELLING OF DST FOR MAGNETIC STORMS USING INTERPLANETARY PARAMETERS - CHARACTERISTICS OF GROWTH AND DECAY Sugadha Arumugam and Nandini Nagarajan	304-FRI-P1700-0377
	MAPPING GROUND LEVEL GEOMAGNETIC PERTURBATIONS AS A FUNCTION OF SOLAR WIND/IMF CONDITIONS DANIEL R. WEIMER, C. Robert Clauer	304-FRI-P1700-0483
	POLAR CAP ELECTRIC FIELD SATURATION DURING IMF BZ NORTH AND SOUTH CONDITIONS Frederick D. Wilder, C. ROBERT CLAUER, Joseph B. H. Baker	304-FRI-P1700-0527
	THE EFFECTS OF LARGE Y-COMPONENT INTERPLANETARY MAGNETIC FIELD ON THE TRANSPOLAR POTENTIAL ELIZABETH J. MITCHELL, Ramon E. Lopez	304-FRI-P1700-0586

	DYNAMIC BEHAVIOR OF THE MAGNETOSPHERE UNDER THE STATIONARY IMF CONDITION SHIGERU FUJITA and Takashi Tanaka	304-FRI-P1700-0772
	GLOBAL ENERGY PARTITIONING: COMPARISON OF SPACECRAFT OBSERVATIONS AND A MHD SIMULATION ILJA HONKONEN, Minna Palmroth, Pekka Janhunen, Tuija Pulkkinen	304-FRI-P1700-0785
	DETERMINING THE LOCATION OF THE OPEN-CLOSED MAGNETIC FIELD LINE BOUNDARY FROM AURORAL IMAGES NICOLA LONGDEN, Gareth Chisham, Gary Abel, Mervyn Freeman	304-FRI-P1700-0846
	AN INTERCOMPARISON STUDY OF THE PLASMAPAUSE BETWEEN IMAGE-EUV SELENE-UIP, AND CROSS-PHASE MEASUREMENTS YUKI OBANA, Fukuhiro Ezawa, Go Murakami, and Ichiro Yoshikawa	304-FRI-P1700-0876
	DEVELOPMENT OF AN EUV DATA ASSIMILATION TECHNIQUE FOR PLASMASPHERE MODELING SHINYA NAKANQ, Mei-Ching Fok, Pontus Cson Brandt, Tomoyuki Higuchi	304-FRI-P1700-0968
	COLD DENSE PLASMA SHEET ENTRY IN THE INNER MAGNETOSPHERE FOLLOWING DUAL LOBE RECONNECTION ANNA MILILLO, Maria Federica Marcucci, Ermanno Amata, Stefano Orsini, Pontus Cson Brandt and Dominique Delcourt	304-FRI-P1700-0806

	IV.03 Universal heliophysical processes Lyceum Gymnastic Hall, level 0 Chaired by: Nat Gopalswamy	
17:00	MHD WAVES AND INSTABILITIES IN ANISOTROPIC SOLAR WIND PLASMA Vladimir Kuznetsov, Namig Dzhililov	403-FRI-P1700-0099
	EXTENSION OF MAGNETIC CLOUDS IN THE INNER HELIOSPHERE AS OBSERVATIONS BY MULTI-SPACECRAFTS ALINE DE LUCAS	403-FRI-P1700-0296
	A HIDRODYNAMICAL MODEL FOR CORONAL MASS EJECTIONS IN THE INTERPLANETARY MEDIUM AND SOME DATA COMPARISON Andrea I. Borgazzi, M. VIRGINIA ALVES, Alejandro Lara, Ezequiel Echer	403-FRI-P1700-0945
	THE APPARENT LAYERED STRUCTURE OF THE HELIOSPHERIC CURRENT SHEET: MULTI-SPACECRAFT OBSERVATIONS CLAIRE FOULLON, B. Lavraud, N. C. Wardle, C. J. Owen, H. Kucharek, A. N. Fazakerley, D. E. Larson, E. Lucek, J. G. Luhmann, A. Opitz, J.-A. Sauvaud, R. M. Skoug	403-FRI-P1700-1217
	MECHANISMS OF SOLAR FLARES SUBHON IBADOV, Firuz S. Ibodov, Samvel S. Grigorian	403-FRI-P1700-1371

	IV.04 Advances in coordinated Sun–Earth system science through CAWSES and ILWS Lyceum Gymnastic Hall, level 0 Chaired by: W. William Liu	
17:00	VARIATIONS OF AURORA EMISSIONS DURING SUBSTORMS CONNECTED WITH DIFFERENT SOLAR WIND STREAMS VENETA GUINEVA, Zhanna Dashkevich, Irina Despirak	404-FRI-P1700-0196
	CONTRIBUTION OF NATURAL SOURCES INTO SURFACE TEMPERATURE CHANGES OF NORTH HEMISPHERE FOR THE LAST 1000 YEARS TAMARA KUZNETSOVA	404-FRI-P1700-0238

V.01 Connecting space and ground-based magnetic data for scientific benefit

Lyceum Gymnastic Hall, level 1

Chaired by: **Christopher C. Finlay**

17:00	COMPARISON BETWEEN TWO DIFFERENT WAYS OF ATTITUDE DETERMINATION IN THE NANOSATC-BR CUBESAT <i>FERNANDO DE SOUZA SAVIAN, Roberto Vieira da Fonseca Lopes, Nelson Jorge Schuch, Otávio Santos Cupertino Durão, Cassio Espindola Antunes, Josemar Siqueira</i>	501-FRI-P1700-0170
	CORRESPONDING RELATIONSHIP BETWEEN GEOMAGNETIC LOW POINT DISPLACEMENT AND SPACE IONOSPHERIC VARIATIONS <i>XUEMIN ZHANG, Jianhai Ding, Yali Wang</i>	501-FRI-P1700-0657
	COMBINED ELECTROMAGNETIC AND TOPOGRAPHIC CORE-MANTLE COUPLING AND THEIR INFLUENCE ON THE EARTH'S ROTATION <i>LUDWIG BALLANI, Hans Greiner-Mai, Jan M. Hagedoorn</i>	501-FRI-P1700-0691
	ANALYSIS OF THE EXTERNAL PART OF VERTICAL GEOMAGNETIC COMPONENT VARIATIONS (Z) RECORDED IN EUROPEAN INTERMAGNET OBSERVATORIES <i>TOMASZ ERNST, Jerzy Jankowski, Beata Dziak – Jankowska, Krzysztof Nowożyński</i>	501-FRI-P1700-0807
	COMBINING GROUND-BASED AND SPACE MAGNETIC MEASUREMENTS FOR STUDYING THE EARTH'S MAGNETOSPHERE <i>Ioannis A. Daglis, GEORGIOS BALASIS, Panayiotis Kapisir, Boris Di Fiore, Anastasios Anastasiadis, Marina Georgiou</i>	501-FRI-P1700-0829
	DATABASE TECHNIQUES FOR SCIENTIFIC INVESTIGATIONS <i>GUSTAV PRATTES, Hans Eichelberger, Manfred Stachel, Konrad Schwingenschuh, Ute Nischelwitz-Fennes, Tielong Zhang, Magda Delva, Werner Magnes, Özer Aydogar</i>	501-FRI-P1700-1054
	WAVELET ANALYSIS OF IONOSPHERIC DISTURBANCES AND SEISMIC ACTIVITY <i>M. HAMOUDI, N. Zaourar, R. Mebarki, L. Briquieu and M. Parrot</i>	501-FRI-P1700-1197

H.02 History of geomagnetic observations, observatories, and indices

Lyceum Gymnastic Hall, level 0

Chaired by: **Gregory A. Good**

17:00	UNCERTAINTY IN MAGNETIC ACTIVITY INDICES <i>WEN-YAO XU</i>	H02-FRI-P1700-0008
	SOLAR ACTIVATES AND ITS EFFECTS ON GEOMAGNETIC INDICES IN HISTORY <i>AHMED A. HADY</i>	H02-FRI-P1700-0010
	GEOMAGNETIC OBSERVATIONS IN INDONESIA CARRY OUT BY MGA <i>YUSUF MAHMUD</i>	H02-FRI-P1700-0056
	SUPERSTORM OF SEPTEMBER 2-3, 1859 ACCORDING TO THE GEOMAGNETIC DATA OF THE RUSSIAN NETWORK <i>M. I. Tyasto, N. G. Ptitsyna, IGOR S. VESELOVSKY, and O. S. Yakovchouk</i>	H02-FRI-P1700-0160
	HISTORICAL DATA RECORDS AT HURBANOVO GEOMAGNETIC OBSERVATORY <i>MAGDALÉNA VÁČZYOVÁ, Peter Dolinský, Fridrich Valach</i>	H02-FRI-P1700-0410
	23 JULY 2009 - ONE YEAR BEFORE ADOLF SCHMIDT'S 150TH BIRTHDAY <i>HANS-JOACHIM LINTHE</i>	H02-FRI-P1700-0439
	MAGNETIC FIELD MEASUREMENTS DURING THE NOVARA EXPEDITION (1857–1859) <i>Bruno P. Besser, HANS EICHELBERGER, Manfred Stachel, Gustav Prattes</i>	H02-FRI-P1700-1118
	DATA MANAGEMENT AT THE NGDC <i>Justin Mabie, W. Denig, S. McLean</i>	H02-FRI-P1700-1209
	THE HISTORY AND THE PRESENT SHAPE OF THE TOKYO/KAKIOKA MAGNETIC OBSERVATORY <i>YASUHIRO MINAMOTO, Yuzo Ishikawa, Tetsuya Yamamoto</i>	H02-FRI-P1700-1213

Evening programmes:

17:30-20:30	CAWSES-II Educator's Hall
19:30-	EMSEV Painter's Hall
20:00–21:30	MUZSIKÁS Concert LFCCC Széchenyi

Saturday, 29 August
*Block 1. 08:30–10:00***I.12** Palaeointensity and archaeointensity – results and their implications, methodological advances, and open issues

Auditorium Green

Chaired by: **Mimi Hill, Simo Spassov**

08:30	HIGH TEMPERATURE OXIDATION OF TITANOMAGNETITE GRAINS AND ITS POSSIBLE INFLUENCE TO THELLIER PALEOINTENSITY DETERMINATIONS <i>YUJII YAMAMOTO</i>	112-SAT-00830-0033
09:00	A GUIDE TO MULTIPLE-SPECIMEN PALEOINTENSITY <i>KARL FABIAN, Roman Leonhardt</i>	112-SAT-00900-1042
09:15	TOWARDS A RELIABILITY CHECK FOR THE MULTI-SPECIMEN DIFFERENTIAL PTRM PALEO-INTENSITY METHOD <i>LENNART V. DE GROOT, Mark Dekkers, Tom A.T. Mullender</i>	112-SAT-00915-1082
09:30	PALEOINTENSITY EXPERIMENTS ON THE HAWAII 1960 LAVA FLOW <i>HARALD BÖHNEL</i>	112-SAT-00930-1170
09:45	DETERMINING THE STRENGTH OF THE GEOMAGNETIC FIELD DURING THE CRETACEOUS NORMAL SUPERCHRON <i>MIMI HILL, Ceri Davies, John Shaw</i>	112-SAT-00945-0722

II.06 Equatorial atmosphere-ionosphere interactive processes: vertical and latitudinal coupling and magnetospheric forcing

Theatre

Chaired by: **Dora Pancheva, Hisao Takahashi**

08:30	GRAVITY WAVE COUPLING FROM LOWER ALTITUDES INTO THE THERMOSPHERE AND IONOSPHERE: ANTICIPATED NEUTRAL AND PLASMA RESPONSES <i>DAVID FRITTS</i>	206-SAT-00830-0919
09:00	THE RESPONSE OF THE THERMOSPHERE AND IONOSPHERE TO THE DISSIPATION OF GRAVITY WAVES GENERATED FROM DEEP CONVECTION <i>Sharon L. Vadas, H.-Li Liu</i>	206-SAT-00900-0474
09:15	CHARACTERISTICS OF EQUATORIAL GRAVITY WAVES DERIVED FROM MESOSPHERIC AIRGLOW IMAGING OBSERVATIONS <i>SHIN SUZUKI, Kazuo Shiokawa, Alan Z. Liu, Yuichi Otsuka, Tadahiko Ogawa, Takuji Nakamura</i>	206-SAT-00915-1104
09:30	MESOSPHERE-IONOSPHERE COUPLING LOOKING FROM PENETRATION OF GRAVITY WAVES IN THE EQUATORIAL REGION <i>HISAO TAKAHASHI, C. M. Wrasse, M. J. Taylor, P. D. Pautet, A. F. Medeiros, D. Gobbi, M. A. Abdu, I. S. Batista, E. Paula, J.H.A. Sobral, S. L. Vadas, D. Fritts</i>	206-SAT-00930-0420

III.09 Conjugate and inter-hemispheric studies of polar geophysical phenomena:
Results from the International Polar and Heliophysical Years (IPY/IHY)
LFCCC Petőfi
Chaired by: **Renata Lukianova**

08:30	DEVELOPMENT OF TEC FLUCTUATIONS AT POLAR IONOSPHERE: NORTHERN AND SOUTHERN HEMISPHERES IRK SHAGIMURATOV, Andrzej Krankowski, Irina Zakharenkova, Yuriy Ruzhin, Ivan Ephishov	309-SAT-00830-0193
08:45	ASYMMETRIC AURORA DETECTED IN THE TWO HEMISPHERES SIMULTANEOUSLY NIKOLAI OSTGAARD and Karl Magnus Launda	309-SAT-00845-1021
09:00	CONJUGATE AURORA OBSERVATIONS OF SUBSTORMS KARL M. LAUNDAL and N. Ostgaard	309-SAT-00900-1193
09:15	GLOBAL ASYMMETRY IN FIELD-ALIGNED CURRENT AND CONVECTION ASSOCIATED WITH THE IMF CLOCK ANGLE AND SOLAR ZENITH ANGLE RENATA LUKIANOVA, Alexander Kozlovsky, Freddy Christiansen	309-SAT-00915-0450
09:30	COMPARING GEOMAGNETIC MEASUREMENTS IN BOTH HEMISPHERES FOR SIMILAR IMF CONDITIONS DANIEL R. WEIMER, C. Robert Clauer	309-SAT-00930-0517
09:45	CONJUGATE OBSERVATIONS OF DAYSIDE MAGNETIC IMPULSE EVENTS David Murr, S. Shepherd	309-SAT-00945-1257

III.10 ULF Waves and magnetospheric probes
Educator's Hall
Chaired by: **Dong-Hun Lee, Mark J. Engebretson**

08:30	APPLICATIONS OF ULF WAVES AS DIAGNOSTICS OF THE MAGNETOSPHERE AND EFFECTS IN THE IONOSPHERE COLIN L. WATERS	310-SAT-00830-1291
09:00	FIELD LINE RESONANCE SOUNDING OF 2D MAGNETOSPHERIC DENSITY BY MULTIPLE MAGNETOMETER NETWORKS PETER J. CHI, K. Takahashi, F. K. Chun, M. Connors, C. T. Russell, I. R. Mann, E. W. Worthington	310-SAT-00900-1237
09:15	PROBING MAGNETOSPHERIC MASS DENSITY USING ULF WAVES OBSERVED FROM SPACECRAFT KAZUE TAKAHASHI	310-SAT-00915-0633
09:45	HIGH LATITUDE OBSERVATIONS OF ULF WAVES TIMOTHY K. YEOMAN	310-SAT-00945-0851

IV.03 Universal heliophysical processes
LFCCC Liszt
Chaired by: **Joseph Davila, Chi Wang**

08:30	MHD TURBULENCE IN THE HELIOSPHERE BRUNO BAVASSANO	403-SAT-00830-0189
09:00	MAGNETIC TURBULENCE IS NOT OMNIPRESENT IN THE SOLAR WIND ZOLTÁN VÖRÖS, Manfred Leubner	403-SAT-00900-0793
09:15	SHORT-WAVELENGTH SOLAR WIND TURBULENCE: THE ROLE OF WHISTLER FLUCTUATIONS S. PETER GARY	403-SAT-00915-1144
09:30	RADIO EMISSION PROCESSES AS TRACERS OF HELIOSPHERIC WEATHER MAURO MESSEROTTI	403-SAT-00930-1059

V.06 Tectonic interpretation of satellite, air-borne, ground and marine geomagnetic data
Pannonia
Chaired by: **Kumar Hemant Singh**

08:30	EMAG2: A 2-ARC-MINUTE RESOLUTION EARTH MAGNETIC ANOMALY GRID COMPILED FROM SATELLITE, AIRBORNE AND MARINE MAGNETIC MEASUREMENTS STEFAN MAUS, U. Barckhausen, H. Berkenbosch, N. Bournas, J. Brozena, V. Childers, F. Dostaler, J. D. Fairhead, C. Finn, R. R. B. von Frese, C. Gaina, S. Golynsky, R. Kucks, H. Luhr, P. Milligan, S. Mogren, D., Muller, O. Olesen, M. Pilkington, R. Saltus, B. Schreckenberger, E. Thebault, F. Caratori Tontini	506-SAT-00830-1246
09:00	MANIFESTATION OF COLLISION TECTONICS ON GEOPOTENTIAL DATA OVER NE INDIA MITA RAJARAM and Anand S. P.	506-SAT-00900-0122
09:15	SPACE-TIME ANALYSIS ON THE GEOMAGNETIC FIELD BIN CHEN	506-SAT-00915-0259
09:30	THE ACCURACY PROBLEM ON THE ANALYSIS RESULTS OBTAINED FROM THE GEOMAGNETIC TOTAL INTENSITY ANOMALIES NOBUHIRO ISEZAKI, Keizo Sayanagi, Jun Matsuo	506-SAT-00930-1244
09:45	A FULL SPECTRUM MAGNETIC ANOMALY DATABASE OF THE UNITED STATES WITH IMPROVED LONG WAVELENGTHS FOR STUDYING CONTINENTAL DYNAMICS DHANANJAY RAVAT, T. Sabaka, A. Elshayat, A. Aref, E. Elawadi, R. Kucks, P. Hill	506-SAT-00945-0542

DC.02 Low latitude ionosphere-thermosphere system in quiet and magnetically disturbed periods
Painter's Hall
Chaired by: **Nanan Balan, Naomi Maruyama**

08:30	LESSONS LEARNED ABOUT THE THERMOSPHERE-IONOSPHERE SYSTEM FROM THE CHAMP MISSION HERMANN LÜHR	D02-SAT-00830-1171
09:00	LOW LATITUDE IONOSPHERE-THERMOSPHERE DYNAMICS AS DEDUCED FROM MERIDIONAL IONOSONDE CHAIN TAKASHI MARUYAMA, Mamoru Ishii, Susumu Saito, Jyunpei Uemoto, Takuya Tsugawa, and Minoru Kubota	D02-SAT-00900-0607
09:30	DAY-TO-DAY VARIABILITY IN THE Sq CURRENT DURING THE DESCENDING PHASE OF THE SOLAR CYCLE 23 B. M. PATHAN, Atul Kulkarni and Sobhana Alex	D02-SAT-00930-0462
09:45	AURORAL AND EQUATORIAL ELECTROJETS IN QUIET AND DISTURBED CONDITIONS - NUMERICAL MODELING MAXIM KLIMENKO, Vladimir Klimenko	D02-SAT-00945-0089

Coffee Break (10:00-10:30)

LFCCC First Floor, Theatre First Floor, Pannonia, Aula

Block 2. 10:30-12:00

I.12 Palaeointensity and archaeointensity – results and their implications, methodological advances, and open issues
Auditorium Green
Chaired by: **Mimi Hill, Simo Spassov**

10:30	PALAEOMAGNETIC SECULAR VARIATION AND RELATIVE FIELD INTENSITY IN PLEISTOCENE LACUSTRINE SEDIMENTS IN THE U.S. GREAT BASIN AS CHRONOLOGIC TOOLS FOR DATING CLIMATE IN WESTERN NORTH AMERICA JOSEPH C. LIDDICOAT	112-SAT-01030-0952
11:00	NEW ARCHAEOINTENSITY DATA FROM ITALIAN ARCHAEOLOGICAL SITES EVDOKIA TEMA, Avto Goguitchaichvili, Pierre Camps	112-SAT-01100-0387

11:15	NEW ARCHAEOMAGNETIC MEASUREMENTS AND THE GEOMAGNETIC FIELD STRENGTH DURING THE 18TH CENTURY <i>NEIL SUTTIE, John Shaw, Mimi Hill, Richard Holme, Paul Linford</i>	112-SAT-01115-0730
11:30	NEW ARCHEOINTENSITY DATA FROM WESTERN EUROPE AND THE MIDDLE EAST: COMPARING REGIONAL GEOMAGNETIC FIELD INTENSITY VARIATION CURVES SPANNING THE PAST TWO MILLENNIA <i>AGNES GENEVEY, Yves Gallet, Maxime Le Goff</i>	112-SAT-01130-1063
II.06 Equatorial atmosphere-ionosphere interactive processes: vertical and latitudinal coupling and magnetospheric forcing Theatre Chaired by: Dora Pancheva, Hisao Takahashi		
10:30	THE ROLE OF UPWARD PROPAGATING WAVES IN THE EQUATORIAL SPREAD F DAY-TO-DAY VARIABILITY <i>MANGALATHAYIL A. ABDU, E. A. Kherani, C. G. M. Brum, I. S. Batista, J. H. A. Sobral</i>	206-SAT-01030-0597
10:45	CLIMATOLOGY OF THE ~5-DAY ROSSBY AND ~6-DAY KELVIN WAVES SEEN IN THE SABER/TIMED TEMPERATURES (2002-2007) <i>DORA PANCHEVA, Plamen Mukhtarov, Borislav Andonov</i>	206-SAT-01045-0117
11:15	PLANETARY WAVE COUPLING OF EQUATORIAL ATMOSPHERE-IONOSPHERE SYSTEM DURING FEBRUARY-APRIL 2008: RESULTS FROM A CAUSES-INDIA CAMPAIGN <i>GURUBARAN SUBRAMANIAN, R. Dhanya, S. Sathishkumar</i>	206-SAT-01115-0279
11:45	VARIABILITIES OF MESOSPHERIC TIDES AND EQUATORIAL ELECTROJET STRENGTH DURING SUDDEN STRATOSPHERIC WARMING EVENTS <i>S. Sathishkumar, S. Sridharan, S. Gurubaran</i>	206-SAT-01145-1360
III.10 ULF Waves and magnetospheric probes Educator's Hall Chaired by: Dong-Hun Lee, Mark J. Engebretson		
10:30	GEOMAGNETIC TOPOLOGICAL EFFECTS ON HIGH LATITUDE FIELD LINE RESONANCES <i>M. D. Sciffer, C. L. WATERS, S. T. Ables, E. K. Inness and B. J. Fraser</i>	310-SAT-01030-1286
10:45	ULF WAVES DRIVEN BY SOLAR WIND DISTURBANCES <i>SHIGERU FUJITA, Tetsuro Motoba, and Takashi Tanaka</i>	310-SAT-01045-0771
11:15	CONE ANGLE CONTROL OF GLOBAL PC3 ACTIVITY: A NEW INDEX TO CHARACTERIZE UPSTREAM WAVE RELATED PULSATION ACTIVITY <i>BALÁZS HEILIG, József Verő, Alan Berarducci, Bill Worthington, Jan Reda, Kari Pajunpää, Tero Raita, Péter Kovács, András Csontos</i>	310-SAT-01115-0998
11:30	THREE-DIMENSIONAL MAGNETOHYDRODYNAMIC SIMULATIONS OF NONLINEAR FIELD LINE RESONANCES <i>KYUNG-IM KIM, Dong-Hun Lee, Dongsu Ryu</i>	310-SAT-01130-0692
11:45	ULF WAVES IN THE UPPER IONOSPHERE AND ON THE GROUND: OBSERVATIONS AND MODEL <i>VIACHESLAV PILIPENKO</i>	310-SAT-01145-0361
IV.03 Universal heliophysical processes LFCCC Liszt Chaired by: Joseph Davila, Chi Wang		
10:30	SOLAR INFLUENCE ON THE MAGNETOSPHERE: INFORMATIONS BY COSMIC RAYS <i>Karel Kudela, L. Lazutin</i>	403-SAT-01030-0397

11:00	SOLAR INFLUENCE ON EARTH'S IONOSPHERE <i>I NANAN BALAN, K. Shiokawa, Y. Otsuka and T. Kikuchi</i>	403-SAT-01100-0065
11:30	INSTANTANEOUS DEVELOPMENT OF GLOBAL IONOSPHERIC CURRENTS DURING GEOMAGNETIC SUDDEN COMMENCEMENTS <i>TAKASHI KIKUCHI, Atsuki Shinbori, Yuji Tsuji, Kumiko K. Hashimoto, Shin-Ichi Watari, Tohru Araki, Mangalathayil A. Abdu, and S.-Y. Su</i>	403-SAT-01130-0601
V.06 Tectonic interpretation of satellite, air-borne, ground and marine geomagnetic data Pannonia Chaired by: Kumar Hemant Singh		
10:30	DEPTH TO CRUSTAL MAGNETIC BOTTOM - EXAMPLES USING AEROMAGNETIC DATA ACROSS NORTH QUEENSLAND, AUSTRALIA <i>INDRAJIT ROY, Peter R. Milligan and Dhananjay Ravat</i>	506-SAT-01030-0972
11:00	THE PREDICTION OF LITHOSPHERIC MAGNETIC ANOMALIES USING THE INVERSION OF MAGNETISATION DATA FOR VECTOR SPHERICAL HARMONICS <i>SHEONA MASTERTON, David Gubbins, Kumar Hemant Singh, David Ivers, Dietmar Müller, Dennis Winch</i>	506-SAT-01100-1103
11:15	NEW EVIDENCES ON THE STRUCTURE OF TENERIFE (CANARY ISLANDS) FROM AEROMAGNETIC DATA: IMPLICATIONS FOR THE GROWTH OF OCEAN ISLAND VOLCANOES <i>Isabel Blanco-Montenegro, Iacopo Nicolosi, Alessandro Pignatelli, MASSIMO CHIAPPINI, Alicia García</i>	506-SAT-01115-1166
11:30	TECTONIC INTERPRETATION OF OBSERVED TOTAL MAGNETIC ANOMALIES OVER THE NORTH EASTERN PART OF DECCAN TRAPS AND ADJOINING AREAS OF CENTRAL INDIA <i>DAYA SHANKER, O. P. Singh, V. P. Singh</i>	506-SAT-01130-0017
11:45	TECTONIC INTERPRETATION OF AEROMAGNETIC ANOMALIES OF TURKEY <i>ABDULLAH ATEŞ, Tuncay Taymaz, Funda Bilim, Aydin Buyuksarac, Attila Aydemir, Seda Yolsal, Yesim Cubuk, Ozcan Bektas</i>	506-SAT-01145-0021
DC.02 Low latitude ionosphere-thermosphere system in quiet and magnetically disturbed periods Painter's Hall Chaired by: Nanan Balan, Naomi Maruyama		
10:30	RADIO AND OPTICAL INVESTIGATIONS OF THE LOW-LATITUDE IONOSPHERE-THERMOSPHERE SYSTEM <i>RAMANATHAN SEKAR</i>	D02-SAT-01030-0036
11:00	MULTIPLE PEAK STRUCTURES IN THE OCCURRENCE PATTERN OF GEOMAGNETIC STORMS DURING THE RECENT SOLAR CYCLES <i>SOBHANA ALEX, Shyamoli Mukherjee</i>	D02-SAT-01100-0127
11:15	DISTURBANCE ELECTRIC FIELD EFFECTS ON EQUATORIAL EVENING VERTICAL DRIFT AND SPREAD F DEVELOPMENT <i>MANGALATHAYIL ABDU</i>	D02-SAT-01115-0598
11:45	USING NEURAL NETWORKS TO INVESTIGATE MID-LATITUDE IONOSPHERIC PROCESSES <i>LEE-ANNE MCKINNELL, Dalia Buresova and John Bosco Habarulema</i>	D02-SAT-01145-0652

10:30 Press conference
SZIG
Lunchtime (12:00-13:30)

Block 3. 13:30–15:00

II.06 Equatorial atmosphere-ionosphere interactive processes: vertical and latitudinal coupling and magnetospheric forcing
Theatre
Chaired by: **Inez S. Batista, Nanan Balan**

13:30	PENETRATION OF MAGNETOSPHERIC ELECTRIC FIELDS TO THE LOW LATITUDE IONOSPHERE DURING GEOMAGNETIC STORMS <i>TAKASHI KIKUCHI</i> , 206-SAT-01330-0603 <i>Kumiko K. Hashimoto, Atsuki Shinbori, Yuji Tsuji, Shin-ichi Watari</i>
14:00	EFFECTS OF PROMT PENETRATION ELECTRIC FIELD AND NEUTRAL WIND DYNAMO ON THE IONOSPHERE AND THERMOSPHERE: A COMPARATIVE STUDY OF OBSERVATIONS AND SIMULATIONS <i>GANG LU</i> 206-SAT-01400-0591
14:30	F3 LAYER AS AN INDICATOR OF PROMPT PENETRATION ELECTRIC FIELD <i>NANAN BALAN, K. Shiokawa, Y. Otsuka, T. Kikuchi</i> 206-SAT-01430-0037
14:45	COMPARISON OF SIMULATION RESULTS OF THE IONOSPHERIC EFFECTS OF GEOMAGNETIC STORM SEQUENCE ON SEPTEMBER, 9-14, 2005 WITH EXPERIMENTAL DATA <i>Maxim Klimenko, VLADIMIR KLIMENKO, Konstantin Ratovsky, Larisa Goncharenko</i> 206-SAT-01445-0176

III.10 ULF Waves and magnetospheric probes
Educator's Hall
Chaired by: **Mark J. Engebretson, Peter Chi**

13:30	ULF GEOMAGNETIC PULSATIONS AT DIFFERENT LATITUDES IN THE SOUTHERN POLAR CAP <i>PATRIZIA FRANCA, M. De Lauretis, M. Vellante, U. Villante, A. Piancatelli</i> 310-SAT-01330-0888
13:45	NEW SUBSTORM INDEX, WP INDEX, DERIVED FROM HIGH-RESOLUTION GEOMAGNETIC FIELD DATA AT LOW LATITUDE AND ITS COMPARISON WITH AE AND ASY INDICES <i>MASAHITO NOSÉ, T. Iyemori, M. Takeda, H. Toh, T. Ookawa, G. Cifuentes-Nava, J. Matzka, J. J. Love, H. McCreddie, M. K. Tunçer, K. Koga, H. Matsumoto and J. J. Curto</i> 310-SAT-01345-0965
14:00	INITIAL OBSERVATIONS OF ULF WAVES USING GPS TEC <i>DAVID MURR, G. Bust, L. Dyrud, V. Pilipenko, M. Engebretson, S. Shepherd</i> 310-SAT-01400-0920
14:15	NEW ULF-INDEX AS A PROXY OF MAGNETIC STORM WAVE SIGNATURE <i>OLGA KOZYREVA, Natalia Kleimenova</i> 310-SAT-01415-0164
14:30	TRANSVERSE SCALE SIZE OF PC3 ULF WAVES NEAR THE EXTERIOR CUSP <i>YONGHUA H. LIU, B. J. FRASER, S. T. Ables, B. C. Zhang, R. Y. Liu, M. W. Dunlop, J. Waterman</i> 310-SAT-01430-0781
14:45	THE INTERACTION BETWEEN SHEAR ALFVÉN WAVES AND WARM ELECTRONS IN THE EARTHS MAGNETOSPHERE <i>CLARE E. J. WATT, R. Rankin and I. J. Rae</i> 310-SAT-01445-0248

IV.03 Universal heliophysical processes
LFCCC Liszt
Chaired by: **Katya Georgieva, Balan Nanan**

13:45	SHOCKS IN THE HELIOSPHERE <i>TOSHIO TERASAWA</i> 403-SAT-01345-0650
14:15	SOLAR ENERGETIC PARTICLES <i>EINO VALTONEN</i> 403-SAT-01415-0804

14:45	SOLAR ENERGETIC PARTICLE OBSERVATIONS AND PROPAGATION IN THE 3-D HELIOSPHERE IN DECEMBER 2006 <i>OLGA E. MALANDRAKI, Richard G. Marsden, David Lario, Cecil Tranquille, Bernd Heber, Richard A. Mewaldt, Christina M. S. Cohen, Louis J. Lanzerotti, Robert B. Forsyth, Heather A. Elliott, Athanasios Geranios</i> 403-SAT-01445-0335
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V.06 Tectonic interpretation of satellite, air-borne, ground and marine geomagnetic data
Pannonia
Chaired by: **Kumar Hemant Singh**

13:30	LARGE-SCALE CRUSTAL FEATURES ON THE ROMANIAN TERRITORY AS INFERRED FROM THE GEOMAGNETIC DATA <i>LUCIAN BESUTIU, Luminita Zlăgnea</i> 506-SAT-01330-0242
13:45	THE 150-70 MA APW FOR STABLE ADRIA FROM DIRECT PALAEOMAGNETIC DATA OBTAINED FROM BIOSTRATIGRAPHICALLY CONTROLLED AND CORRELATED BASIN (ADIGE EMBAYMENT) AND PLATFORM (ISTRIA) CARBONATES <i>EMŐ MÁRTON, Dario Zampieri, Paolo Grandesso, Vlasta Čosović, Alan Moro</i> 506-SAT-01345-0167
14:00	MAGNETIC DATA TO PROBE THE TECTONICS OF GUJARAT, INDIA <i>VINIT C ERRAM, Anand. S. P., Mita Rajaram and B.N. Shinde</i> 506-SAT-P1400-0075
14:05	SUBSURFACE TECTONIC STRUCTURE AND CRUSTAL DEFORMATION AT KALABSHA FAULT, ASWAN-EGYPT <i>MAHMOUD MEKKAWI, M. Abdel-Moneim, A. Taleab, A. Rayan, A. Saleh, S. Moustafa, S. Salah</i> 506-SAT-P1405-0082
14:10	STRUCTURE OF THE SOUTHERN AND SOUTH- WESTERN SUTURE ZONES OF THE EAST EUROPEAN CRATON FROM 3D MAGNETIC MODELING BASED ON NEAR-SURFACE AND SATELLITE DATA <i>MYKHAILO ORLIUK, Inna Pashkevich, Andriy Marchenko</i> 506-SAT-P1410-0163
14:15	IMAGING GEOLOGICAL STRUCTURES OF THE RED SEA FROM THERMAL AND AEROMAGNETIC DATA <i>KUMAR HEMANT SINGH, Ahmed Salem</i> 506-SAT-P1415-0322
14:20	MAGNETIC CRUST CONCEPT AND MAGNETIC ANOMALIES OF SLOVAKIA <i>Kamil Rozimant, Aydin Buyuksarac, OZCAN BEKTAS</i> 506-SAT-P1420-0384
14:25	THE SIMILARITY BETWEEN ELECTRIC AND SEISMIC SIGNALS <i>A. D. Gvishiani, S. R. Bogoutdinov, M. D. Kovalenko, P. Bernar, Z. Zlotniki</i> 506-SAT-P1425-0467
14:30	NEW PALEOMAGNETIC AND ANISOTROPY OF MAGNETIC SUSCEPTIBILITY RESULTS HIGHLIGHT THE STRUCTURAL EVOLUTION OF SOUTHERN TAIWAN WITHIN THE FRAME OF OBLIQUE COLLISION <i>LIONEL SONNETTE, Jacques Angelier, Teh-Quei Lee, Chung-Pai Chang, Stawomir Jack Giletycz</i> 506-SAT-P1430-0478
14:35	LANDSLIDE MONITORING WITH ALOS/PALSAR OBSERVATION <i>Noriyuki Kawano</i> 506-SAT-P1435-0582
14:40	MARINE MAGNETIC MAPPING OFFSHORE DECEPTION ISLAND: A TWO DECADE PERSPECTIVE <i>MANUEL CATALÁN, Alfonso Muñoz, Yasmina Martos, José Martin Davila</i> 506-SAT-P1440-0678
14:45	INTERPRATATION OF MAGNETIC FIELD DATA COLLECTED IN MAHALAT AREA AND ITS FAULT ZONE <i>Mahmoud Mirzaei, FARZANEH FARAHANI, Behrooz Oskooi</i> 506-SAT-P1445-0809

14:50	REMAGNETIZATIONS IN THE VARISCAN OROGEN AND FORELAND IN CZECH REPUBLIC AND POLAND: TIMING, ORIGIN AND LINKS WITH OROGENIC PROCESSES JACEK GRABOWSKI, Ondrej Babek, Jindrich Hladil, Marek Narkiewicz, Petr Pruner, Petr Schnabl	506-SAT-P1450-1102
14:55	A PILOT PALEOMAGNETIC AND AMS STUDY ON LATE CRETACEOUS RED MARLS FROM THE PIENINY KLIPPEN BELT (POLAND AND SLOVAKIA) EMŐ MÁRTON, Dusan Plašienka, Jacek Grabowski, Michał Krobicki, Igor Túnyi, János Haas	506-SAT-P1455-1150
15:00	PALEOMAGNETIC VIEW ON LITHOSPHERE KINEMATICS: THE EXAMPLE OF SOUTHERN TIBET AND THE HIGHER HIMALAYAN CRYSTALLINE RACHIDA EL BAY Erwin Appel, István Dunkl, Lalu Paudel, Chiara Montomoli and Ding Lin	506-SAT-P1500-1348
DC.02 Low latitude ionosphere–thermosphere system in quiet and magnetically disturbed periods Painter’s Hall Chaired by: Vafi Doumbia, Hisao Takahashi		
13:30	SUPER PLASMA FOUNTAIN AND IONOSPHERIC STORMS NANAN BALAN, K. Shiokawa and Y. Otsuka	D02-SAT-01330-0038
14:00	MODELING THE IMPACT OF THE STORM TIME ELECTRIC FIELDS ON THE REDISTRIBUTION OF THE LOW LATITUDE IONOSPHERE NAOMI MARUYAMA, T. Fuller–Rowell, M. Codrescu, D. Anderson, A. Richmond, A. Maute, S. Sazykin, F. Toffoletto, R. Spiro, R. Wolf, and G. Millward	D02-SAT-01400-0357
14:30	OBSERVATION OF DAY-TO-DAY VARIABILITY IN EQUATORIAL SPREAD-F PAULO R. FAGUNDES, Abalde J. R., Sahai Y., Bittencourt J. A.	D02-SAT-01430-0048
Early Poster Session 13:30-15:00 I.12 Palaeointensity and archaeointensity – results and their implications, methodological advances, and open issues Aula Chaired by: Mimi Hill, Simo Spassov		
13:30	ABSOLUTE PALEOINTENSITY FROM CA. 5 MA JINCHONRI BASALT IN BAEKRYEONGDO ISLAND, THE FURTHEST NORTH PART OF SOUTH KOREA YUHJI YAMAMOTO, Youn Soo Lee, Kazuto Kodama	112-SAT-P1330-0026
	NEW PALEOMAGNETIC AND PALEOINTENSITY RESULTS FROM LATE PLIOCENE VOLCANIC SEQUENCES FROM SOUTHERN GEORGIA (CAUCASUS) Manuel Calvo–Rathert, María–Felicidad Bógalo, ÁNGEL CARRANCHO, Avto Goguichaichvili, Néstor Vegas–Tubía, Jemal Sologashvili, Juan José Villalain	112-SAT-P1330-0531
	PALEOINTENSITY DETERMINATIONS OF CRETACEOUS ROCKS FROM WESTERN ANTARCTICA VALERIY P. SHCHERBAKOV, V. V. Shcherbakova, V. G. Bakhmutov, G. V. Zhidkov	112-SAT-P1330-0664
	WHY ARE THE RESULTS OF MICROWAVE AND THERMAL PALEOINTENSITY EXPERIMENTS SYSTEMATICALLY DIFFERENT? ANDREW BIGGIN	112-SAT-P1330-0671
	DIRECT DEMONSTRATION OF MICROWAVE DEMAGNETIZATION OF A WHOLE ROCK SAMPLE WITH MINIMAL HEATING NEIL SUTTIE, John Shaw, Mimi Hill	112-SAT-P1330-0731
	PALEOINTENSITY RESULTS FROM THE 1.7 GA OLD HOTING GABBRO, SWEDEN FABIO DONADINI, Sten–Åke Elming, and Lisa Tauxe	112-SAT-P1330-0742

COMPARING THELLIER-THELLIER PALAEOINTENSITY RESULTS WITH A TECHNIQUE BASED ON THE LINEAR FIELD DEPENDENCE OF PARTIAL THERMOREMANENCE SIMO SPASSOV, Jozef Hus, Raoul Geeraerts		112-SAT-P1330-1347
Coffee Break 15:00-15:30 LFCCC First Floor, Theatre First Floor, Pannonia, Aula		
Block 4. 15:30–17:00		
II.06 Equatorial atmosphere–ionosphere interactive processes: vertical and latitudinal coupling and magnetospheric forcing Theatre Chaired by: Inez S. Batista, Nanan Balan		
15:30	EQUATORIAL PLASMA BUBBLE DEVELOPMENT DUE TO MAGNETOSPHERIC I FORCING ARCHANA BHATTACHARYYA, Bharati Kakad, S. Sripathi, Diwakar Tiwari	206-SAT-01530-1052
16:00	SPATIAL AND TEMPORAL DEPENDENCE OF STORM-TIME TEC GRADIENTS AND L-BAND SCINTILLATIONS MARCIO MUELLA, Alam Kherani, Eurico de Paula, Paul Kintner, Ivan Kantor, Cathryn Mitchell, Inez Batista	206-SAT-01600-0053
16:15	A DETAILED DISCUSSION OF EFFECTS OF GEOMAGNETIC STORMS ON THE DYNAMICS AND ELECTRODYNAMICS OF THE EQUATORIAL UPPER ATMOSPHERE ENIVALDO BONELLI	206-SAT-01615-1273
16:30	DIRECT RESPONSE TO PROMPT PENETRATION ELECTRIC FIELD IN LOW LATITUDE IONOSPHERE AND COMPLEX INTERPLAY OF TIDS AND FOUNTAIN EFFECT Nirvikar Dashora, R. S. Dabas, S. Alex, R. Pandey	206-SAT-01630-1179
16:45	UNUSUAL OBSERVATION OF FILAMENTARY STRUCTURES IN OI 557.7 nm EMISSION OVER PANHALA (17° N, 74.2° E GEOGRAPHIC; 8.43° N GEOMAGNETIC LATITUDE) DURING A MODERATE MAGNETIC STORM VISWANATHAN LAKSHMI NARAYANAN, S. Gurubaran, K. Emperumal	206-SAT-01645-0213
III.10 ULF Waves and magnetospheric probes Educator’s Hall Chaired by: Mark J. Engebretson, Peter Chi		
15:30	A CONJUNCTION STUDY OF PLASMASPHERIC DRAINAGE PLUMES IN JUNE 2001 USING IMAGE-EUV AND CROSS-PHASE MEASUREMENTS Yuki Obana, Frederick W. Menk and Ichiro Yoshikawa	310-SAT-01530-0877
15:45	MULTIPLE-HARMONIC ULF WAVES IN THE PLASMA SHEET BOUNDARY LAYER OBSERVED BY CLUSTER MARK ENGBRETSON, Carl Kahlstorf, Jennifer Posch, Matthew Broughton, Karl–Heinz Glassmeier, Karl–Heinz Fornaçon, Andreas Keiling, Henri Rème	310-SAT-01545-0854
16:00	MONOCHROMATIC ULF WAVE BURST AS A SIGNATURE OF ION TEMPRATURE ANISOTROPY IN THE CUSP REGION BENJAMIN GRISON, Ondrej Santolík, Jean–Michel Bosqued, Nicole Cornilleau–Wehrlin, Elisabeth Lucek, Mats André, Iannis Dandouras and Andrew Fazakerley	310-SAT-01600-0883
16:15	EIGENMODES OF LINEAR POLARIZED EMIC WAVES IN THE I MANGETOSPHERE EUN-HWA KIM, Jay R. Johnson	310-SAT-01615-0925
16:45	COMPARISON OF ULTRA-LOW-FREQUENCY WAVES AT MERCURY UNDER I NORTHWARD AND SOUTHWARD IMF SCOTT A. BOARDSEN, James A. Slavin, Brian J. Anderson, Mario H. Acuna, Haje Korth, and Sean C. Solomon	310-SAT-01645-0507

IV.03 Universal heliophysical processes LFCCC Liszt Chaired by: Katya Georgieva, Balan Nanan		
15:30	SOLAR WIND AND MEV ENERGY PROTONS <i>Károly Kecskeméty, Elena Daibog, Mariya Zeldovich, Yurii Logachev</i>	403-SAT-01530-0530
16:00	PHYSICS OF THE OUTER HELIOSPHERE <i>CHI WANG, John. D. Richardson</i>	403-SAT-01600-0153
16:30	COSMIC RAYS AND SOLAR ACTIVITY <i>STEFAN FERREIRA</i>	403-SAT-01630-0842

DC.02 Low latitude ionosphere-thermosphere system in quiet and magnetically disturbed periods Painter’s Hall Chaired by: Vafi Doumbia, Hisao Takahashi		
15:30	EFFECT OF DUST PARTICLES ON THE GROWTH RATE AND AMPLITUDE OF TYPE II IRREGULARITIES IN THE E-REGION <i>POLINAYA MURALIKRISHNA, and V. H. Kulkarni</i>	D02-SAT-01530-0421
15:45	ANOMALOUS CONDUCTIVITY EFFECTS ON THE E-REGION ELECTRIC FIELDS AT DIP EQUATOR <i>CLEZIO M. DENARDINI, Énia P. A. Olívio, Henrique C. Aveiro, Mangalathayil A. Abdu, José H. A. Sobral, José V. Bageston, Cristiano M. Wrasse</i>	D02-SAT-01545-0061
16:00	THE THREE DIMENSIONAL SIMULATION OF COLLISIONAL INTERCHANGE INSTABILITY IN THE EQUATORIAL-LOW-LATITUDE IONOSPHERE <i>E. Alam Kherani, M. H. A. Muela and E. R. de Paula</i>	D02-SAT-01600-0229
16:15	THE DAY-TO-DAY VARIABILITY OF THE OCCURRENCE OF EQUATORIAL PLASMA BUBBLES <i>SEUNG JUN OH, Hyosub Kil, Larry Paxton and Yong Ha Kim</i>	D02-SAT-01615-0870
16:30	ON THE ESTIMATION OF THE EQUATORIAL ELECTROJET MAGNETIC SIGNATURE AND PEAK CURRENT DENSITY FROM POLAR ORBITING SATELLITE MAGNETIC MEASUREMENTS <i>VAFI DOUMBIA, T. Le Truong, Y. Cohen, C. Amory-Mazaudier, M. Le Huy</i>	D02-SAT-01630-0299

Early Poster Session 15:30-17:00

V.06 Tectonic interpretation of satellite, air-borne, ground and marine geomagnetic data POSTERS Lyceum Gymnastic Hall, level 1 Chaired by: Kumar Hemant Singh		
15:30	MAGNETIC DATA TO PROBE THE TECTONICS OF GUJARAT, INDIA <i>VINIT C ERRAM, Anand.S.P., Mita Rajaram and B.N. Shinde</i>	506-SAT-P1400-0075
	SUBSURFACE TECTONIC STRUCTURE AND CRUSTAL DEFORMATION AT KALABSHA FAULT, ASWAN-EGYPT <i>MAHMOUD MEKKAWI, M. Abdel-Moneim, A. Taleab, A. Rayan, A. Saleh, S. Moustafa, S. Salah</i>	506-SAT-P1405-0082
	STRUCTURE OF THE SOUTHERN AND SOUTH- WESTERN SUTURE ZONES OF THE EAST EUROPEAN CRATON FROM 3D MAGNETIC MODELING BASED ON NEAR-SURFACE AND SATELLITE DATA <i>MYKHAILO ORLIUK, Inna Pashkevich, Andriy Marchenko</i>	506-SAT-P1410-0163
	IMAGING GEOLOGICAL STRUCTURES OF THE RED SEA FROM THERMAL AND AEROMAGNETIC DATA <i>KUMAR HEMANT SINGH, Ahmed Salem</i>	506-SAT-P1415-0322
	MAGNETIC CRUST CONCEPT AND MAGNETIC ANOMALIES OF SLOVAKIA <i>Kamil Rozimant, Aydin Buyuksarac, OZCAN BEKTAS</i>	506-SAT-P1420-0384
	THE SIMILARITY BETWEEN ELECTRIC AND SEISMIC SIGNALS <i>A. D. Gvishiani, S. R. Bogoutdinov, M. D. Kovalenko, P. Bernar, Z. Zlotniki</i>	506-SAT-P1425-0467

	NEW PALEOMAGNETIC AND ANISOTROPY OF MAGNETIC SUSCEPTIBILITY RESULTS HIGHLIGHT THE STRUCTURAL EVOLUTION OF SOUTHERN TAIWAN WITHIN THE FRAME OF OBLIQUE COLLISION <i>LIONEL SONNETTE, Jacques Angelier, Teh-Quei Lee, Chung-Pai Chang, Stawomir Jack Giletycz</i>	506-SAT-P1430-0478
	LANDSLIDE MONITORING WITH ALOS/PALSAR OBSERVATION <i>Noriyuki Kawano</i>	506-SAT-P1435-0582
	MARINE MAGNETIC MAPPING OFFSHORE DECEPTION ISLAND: A TWO DECADE PERSPECTIVE <i>MANUEL CATALÁN, Alfonso Muñoz, Yasmina Martos, José Martín Davila</i>	506-SAT-P1440-0678
	INTERPRATATION OF MAGNETIC FIELD DATA COLLECTED IN MAHALAT AREA AND ITS FAULT ZONE <i>Mahmoud Mirzaei, FARZANEH FARAHANI, Behrooz Oskooi</i>	506-SAT-P1445-0809
	REMAGNETIZATIONS IN THE VARISCAN OROGEN AND FORELAND IN CZECH REPUBLIC AND POLAND: TIMING, ORIGIN AND LINKS WITH OROGENIC PROCESSES <i>JACEK GRABOWSKI, Ondrej Babek, Jindrich Hladil, Marek Narkiewicz, Petr Pruner, Petr Schnabl</i>	506-SAT-P1450-1102
	A PILOT PALEOMAGNETIC AND AMS STUDY ON LATE CRETACEOUS RED MARLS FROM THE PIENINY KLIPPEN BELT (POLAND AND SLOVAKIA) <i>EMŐ MÁRTON, Dusan Plašienka, Jacek Grabowski, Michał Krobicki, Igor Túnyi, János Haas</i>	506-SAT-P1455-1150
	PALEOMAGNETIC VIEW ON LITHOSPHERE KINEMATICS: THE EXAMPLE OF SOUTHERN TIBET AND THE HIGHER HIMALAYAN CRYSTALLINE <i>RACHIDA EL BAY, Erwin Appel, István Dunkl, Lalu Paudel, Chiara Montomoli and Ding Lin</i>	506-SAT-P1500-1348

Poster Session (17:00–19:00)

Local wine is served in Aula and Lyceum Courtyard between 17:30 and 19:00

III.09 Conjugate and inter-hemispheric studies of polar geophysical phenomena: Results from the International Polar and Heliophysical Years (IPY/IHY) Lyceum Gymnastic Hall, level 0 Chaired by: Renata Lukianova		
17:00	INTER-HEMISPHERE ASYMMETRY OF HIGH-LATITUDE ULF GEOMAGNETIC PULSATION IN THE INITIAL PHASE OF MAGNETIC STORM <i>Natalia Kleimenova, OLGA KOZYREVA</i>	309-SAT-P1700-0423
	MONITORING THE LOWER IONOSPHERE AT BOTH POLES: THE GLOBAL AARDDVARK NETWORK <i>MARK A. CLILVERD, Craig J. Rodger, and the AARDDVARK Team</i>	309-SAT-P1700-0721
III.10 ULF Waves and magnetospheric probes Lyceum Gymnastic Hall, level 0 Chaired by: Dong-Hun Lee, Peter Chi		
17:00	WORLD MAP OF MAGNETIC OBSERVATORIES: 2009 <i>PETER J. CHI</i>	310-SAT-P1700-1284
	FIELD LINE RESONANCE SIGNATURES ASSOCIATED WITH LOW LATITUDE PC3-4 PULSATIONS <i>KAZUE TAKAHASHI, Peter J. Chi</i>	310-SAT-P1701-0733
	PC3-4 EVENTS IN THE SOUTHERN POLAR CAP AND AT LOW LATITUDE: RELATIONSHIP WITH UPSTREAM WAVES <i>MARCELLO DE LAURETIS, Umberto Villante, Mauro Regi, Patrizia Francia, Massimo Vellante, Andrea Piancatelli</i>	310-SAT-P1702-0882

	PC2-3 GEOMAGNETIC PULSATIONS ON THE GROUND AND IN SPACE. RESULTS OF COMPARATIVE ANALYSIS OF MM100 AND CHAMP DATA <i>NADEZDA YAGOVA, Balázs Heilig, Evgeny Fedorov, Péter Kovács, Hermann Lühr, Jan Reda, Kari Pajunpää, Tero Raita</i>	310-SAT-P1703-1002
	IMPROVED HODOGRAPH METHOD TO ESTIMATE THE LATITUDE DEPENDENCIES OF THE FREQUENCY AND WIDTH OF THE FIELD-LINE RESONANCE FROM GROUND MAGNETOMETER DATA <i>HIDEAKI KAWANO, V. Pilipenko, S. Saita, K. Yumoto, I. Mann</i>	310-SAT-P1704-0685
	MAGNETIC LATITUDE AND LOCAL TIME DEPENDENCE OF THE AMPLITUDE OF GEOMAGNETIC SUDDEN COMMENCEMENTS <i>ATSUKI SHINBORI, Yuji Tsuji, Takashi Kikuchi, Tohru Araki, Shin Ichi Watari, Teiji Uozumi and Kiyohumi Yumoto</i>	310-SAT-P1705-0726
	SPATIAL AND TEMPORAL STRUCTURES IN P13 PULSATIONS USING SINGULAR SPECTRUM ANALYSIS: A CASE STUDY <i>ANAND K. SINGH, A. K. Sinha, and B. M. Pathan</i>	310-SAT-P1706-0269
	POLAR LATITUDE ULF BURSTS ASSOCIATED WITH ENERGETIC (300-600 KEV) ELECTRON PRECIPITATION AND VISUAL AURORAS <i>OLGA KOZYREVA, Irina Myagkova, Elizaveta Antonova, Natalia Kleimenova</i>	310-SAT-P1707-0165
	A STUDY OF L-DEPENDENT PC3 PULSATIONS OBSERVED BY LOW EARTH ORBITING CHAMP SATELLITE <i>DZIVHULUWANI NDIITWANI and Peter Sutcliffe</i>	310-SAT-P1708-0858
	FRACTAL ANALYSIS OF ULF GEOMAGNETIC FIELDS IN RELATION TO THE SOLAR ECLIPSE ON 26 JANUARY 2009 <i>FERRY IRAWAN TANJUNG</i>	310-SAT-P1709-0412
	NEURAL NETWORK MODEL OF SOLAR WIND - PC3 PULSATION RELATIONSHIP <i>STEFAN I. LOTZ, P. R. Sutcliffe, L. McKinnell</i>	310-SAT-P1710-0837
	THE SPECTRAL STRUCTURE OF PC3 PULSATIONS <i>P. R. SUTCLIFFE, B. Heilig, D. C. Ndiitwani, and L. Merényi</i>	310-SAT-P1711-0861
	CONJUGATE ASYMMETRY IN ULF PC3 WAVE BEHAVIOUR AND ITS VARIATION THROUGH THE SOLAR CYCLE <i>BALÁZS HEILIG, Peter Sutcliffe, József Verő</i>	310-SAT-P1712-0770
	SIMULTANEOUS OBSERVATION OF DIFFUSE IONS AND ULF WAVES IN THE FORESHOCK, AND GROUND SURFACE GEOMAGNETIC PULSATIONS WITH UPSTREAM ORIGIN <i>BALÁZS HEILIG, Árpád Kis</i>	310-SAT-P1713-1219
	DC.02 Low latitude ionosphere-thermosphere system in quiet and magnetically disturbed periods Lyceum Gymnastic Hall, level 0 Chaired by: Archana Bhattacharya	
17:00	IONOSPHERIC F-REGION RESPONSE DUE TO AN INTENSE GEOMAGNETIC STORM OCCURRED ON 07 SEPTEMBER 2002 <i>ALESSANDRO JOSÉ DE ABREU, P. R. Fagundes, Y. Sahai, R. de Jesus, F. L. Guarnieri, V. G. Pillat, C. Brunini, M. Gende, W. L. C. Lima</i>	D02-SAT-P1700-0050
	F-REGION PARAMETERS OBSERVED IN THE EQUATORIAL AND LOW LATITUDE REGIONS IN THE BRAZILIAN SECTOR AND ITS COMPARISON WITH THE IRI-2007 MODEL RESULTS <i>RODOLFO DE JESUS, Y. Sahai, F. L. Guarnieri, P. R. Fagundes, A. J. de Abreu, V. G. Pillat, W. L. C. Lima</i>	D02-SAT-P1700-0052
	VARIABILITY IN THE DEVELOPMENT OF PLASMA BUBBLES CONNECTED WITH GEOMAGNETIC DISTURBANCES <i>JOSE RICARDO ABALDE, Yogeshwar Sahai, Paulo Roberto Fagundes, Fabio Becker-Guedes, Jose Augusto Bittencourt, Valdir Gil Pillat, Washington Luiz Carvalho Lima, Claudia Maria Nicoli Candido, Tomas Ferreira de Freitas</i>	D02-SAT-P1700-0070

	OBSERVATIONS OF DETACHED EQUATORIAL IONOSPHERIC PLASMA DEPLETIONS <i>JOSE RICARDO ABALDE, Yogeshwar Sahai, Paulo Roberto Fagundes, Tomas Ferreira de Freitas, Valdir Gil Pillat and Jose Augusto Bittencourt</i>	D02-SAT-P1700-0071
	EFFECT OF PROMPT PENETRATION ELECTRIC FIELD ON TEC IN LOW LATITUDES: A CASE STUDY <i>SHWETA SHARMA, Nirvikar Dashora, Rajesh Pandey</i>	D02-SAT-P1700-0173
	CHARACTERIZATION OF LOW LATITUDE GPS-TEC DURING CURRENT LOW SOLAR ACTIVITY PHASE AND IMPLICATIONS <i>PRAVEEN GALAV, Shweta Sharma, Nirvikar Dashora, Rajesh Pandey</i>	D02-SAT-P1700-0174
	MAGNETOSPHERE-IONOSPHERE COUPLING AND THE CHANGES IN THE THERMOSPHERIC DAYGLOW EMISSION INTENSITY OVER DIP EQUATOR - A CASE STUDY <i>Tarun K. Pant, G. Sumod, Sudha Ravindran, and R. Sridharan</i>	D02-SAT-P1700-0198
	THE SUPPRESSION OF SPREAD F OVER SAO LUIS DURING OCTOBER 2003 STORM: A NUMERICAL SIMULATION <i>E. Alam Kherani, E. R. de Paula, M. A. Abdu and J. H. A. Sobral</i>	D02-SAT-P1700-0230
	THE VARIATION OF GPS DERIVED TEC DURING LOW SOLAR ACTIVITY PERIOD (MAY 2007- APRIL 2009) NEAR THE EIA CREST REGION IN INDIA <i>Sanjay Kumar, S. Priyadarshi and A. K. SINGH</i>	D02-SAT-P1700-0287
	ON THE GROUND-BASED ΔD DIURNAL VARIATIONS IN THE EQUATORIAL ELECTROJET INFLUENCE AREA IN THE AFRICAN LONGITUDE SECTORS <i>B. Moukassa, V., Doumbia, K. Boka, Y. Cohen, O. D. F. Grodji</i>	D02-SAT-P1700-0305
	EXPERIMENTAL STUDY OF ELECTROMAGNETIC INDUCTION IN THE EARTH IN THE EQUATORIAL ELECTROJET REGION CONJOINTLY WITH IONOSONDE DATA <i>K. Boka, M. Menvielle, V. DOUMBIA, P. Vila, C. Amory-Mazaudier, A. T. Koba, O. K. Obrou</i>	D02-SAT-P1700-0306
	MULTIRESOLUTION ANALYSIS OF PROMPT PENETRATION ELECTRIC FIELDS: CASES STUDY <i>HENRIQUE C. AVEIRO, Clezio M. Denardini, Pedro D. S. C. Almeida, Laysa C. A. Resende, Laís M. Guizelli, Mangalathayil A. Abdu</i>	D02-SAT-P1700-0328
	ANALYSIS OF THE CORRELATION BETWEEN COUNTER EQUATORIAL ELECTROJET DETECTION AND GRAVITY WAVES OBSERVATION <i>PEDRO D. S. C. ALMEIDA, Clezio M. Denardini, Paulo P. Batista, Henrique C. Aveiro, Laysa C. A. Resende and Laís M. Guizelli</i>	D02-SAT-P1700-0329
	TERMOSPHERIC HEATING IN THE LOW-LATITUDE IONOSPHERE: ROLE OF THE PHOTO-ELECTRONS <i>PAUL VILA</i>	D02-SAT-P1700-0427
	CORRELATIONS BETWEEN THE IONOSPHERIC AND GEOMAGNETIC DATA VARIATIONS RECORDED AT TEHRAN STATION FOR SOME GEOMAGNETIC STORMS DURING 2006 AND 2007 <i>NAZLI SABA, Farzaneh Farahani, Naser Hoseinzadeh Guya</i>	D02-SAT-P1700-0796
	WAVE STRUCTURES OBSERVED IN THE F-REGION POSSIBLY ASSOCIATED WITH TROPOSPHERIC-STRATOSPHERIC DISTURBANCES: A STUDY USING ALL-SKY IMAGING SYSTEM AND SATELLITE DATA <i>ALEXANDRE ALVARES PIMENTA</i>	D02-SAT-P1700-1074
	ON RELATION CONNECTING TIDAL COMPONENTS OF MESOSPHERIC WINDS AND DEL YOF GEOMAGNETIC FIELD AT INDIAN LOW LATITUDES <i>A. THIAGARAJAN</i>	D02-SAT-P1700-1129

17:00 Outreach (in Hungarian)
 SZIG

Evening programme:

19:00–20:00 CLOSING SESSION – LFCCC Liszt

Sunday, 30 August

SCOSTEP General Council Meeting

08:30–17:00 Perkovátz House, first floor (Daruka Hall)

MONDAY–WEDNESDAY, 31 AUGUST – 2 SEPTEMBER

INTERMAGNET Conference

Venue: GGRI (Sopron, Csatkai u. 6-8.)

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Association Lecture 1

GEOMAGNETISM AND THE EXPLORATION OF GLOBAL GEOLOGY

Colin Reeves

It is a testament to the ingenuity of scientists that the mere existence of a geomagnetic field has led to so much insight into four billion years of earth history. At or near the earth's surface, a small part of the geomagnetic field, usually no more than about 1 per cent, is attributable to rocks of the earth's crust, down to the depth of the Curie point isotherm – perhaps 40 km on land and 10 km at sea. The magnetization of any one element of rock may be considered as either induced or remanent, the former being in the direction of the present day field and the latter in the direction of the ambient field when the rock acquired its magnetisation. In practice, both effects may be present. The study of directions of remanent magnetization in rocks – paleomagnetism – was a significant contributor to the realization that the earth's crust is a dynamic rather than a static system. As a result of geomagnetic reversals and the relentless movements of the continents, the component of remanent magnetisation can, in principle, be in any direction and is demonstrably long-lived, even over geological time. Experimental studies show that induced magnetisation tends to predominate in the majority of rock specimens, while about 20 per cent of samples show predominantly remanent magnetisation.

Rocks with significant magnetization are mostly igneous or metamorphic rocks – 'hard' rocks – while the sediments, weathering products, soils and overburden nearer the surface, are effectively non-magnetic. Patterns of magnetic anomalies or departures of the observed magnetic field from a standard global field model therefore reflect the lithology and structures of the bedrock even where, as in most places on earth, it is not exposed for direct inspection by the field geologist. The magnetic susceptibility of rocks tends to be bimodal with peaks separated by 2-3 orders of magnitude. Lithological boundaries in the rock body are therefore very often also magnetic property boundaries. This makes magnetic anomaly mapping an excellent tool in geological exploration that has been exploited since magnetometers first became portable instruments.

By measuring only the total strength (scalar magnitude) of the geomagnetic field it was possible to make anomaly measurements from an aircraft without solving technically difficult problems of directional reference and this discipline has evolved for more than 60 years. Instrumental and operational refinements over this period mean that variations as small as 0.2 nT are now recorded reliably and with suitable survey design (line spacing, sample spacing) the results can be imaged at the scale of a 50 m pixel, less than the wavelength of anomalies from even the shallowest sources. At ground speeds of 250 km per hour, large areas of territory can be covered at low unit cost. In Africa, where the geology is generally the least well explored, whole countries have been mapped in a few years at a cost of a few tens of millions of dollars – a mere fraction of the cost of traditional field geology and the coverage is continuous, not limited to the often isolated areas of outcrop to be found in the field. This has put aeromagnetic surveying in the forefront of geological reconnaissance, ahead of the more detailed and expensive survey methods employed for the detection of mineral and hydrocarbon resources which can, as a result, then be employed more selectively.

Resource exploration is still largely confined to the continents and the continental shelves and slopes. The remaining 70 per cent of our planet – the deep ocean – has a distinctly different geological history. Early oceanographic cruises with magnetometers (1950s and 60s) noted the symmetrical disposition of magnetic anomalies, mirror-imaged about the mid-ocean ridges that were already clear as topographic features. In the 1960s it became evident that new ocean crust was being continually created at these ridges and, as the two halves of the ocean were being separated by ever-younger crust, the sequence of geomagnetic reversals was being recorded in the remanent magnetization of the crust generated, mirror-imaged across the central ridge.

Elsewhere, primarily in subduction zones, oceanic crust is being consumed back into the mantle, the oldest oceanic crust currently still evident on earth being only about 200 million years old – no more than 5 per cent of the age of the oldest known continental rocks. While this principle could be established from limited magnetic anomaly data from early oceanographic cruises, thorough magnetic surveying of the oceans is

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still far from complete on account of cost, the enormous areas to cover and limited commercial interest. In the oceans of the southern hemisphere, areas the size of countries have yet to be crossed by a single marine magnetic profile. If a reliable model of ocean growth is available, however, the expected pattern of anomalies over large areas can be predicted and calibrated against the few existing traverses. In the North Atlantic, by contrast, the coverage of real data is reasonably complete.

The resolution attainable by magnetic anomaly patterns is related, through potential field theory, to the vertical distance between source and magnetometer. A survey aircraft can fly with safety as close as 60–80 m above terrain with low relief. A shipborne magnetometer is about 4 km above the ocean bottom. Even the lowest orbiting satellite magnetometer is still 350 km above the earth, affording resolution only four orders of magnitude less than an airborne survey. Such a satellite (in polar orbit) has the distinct advantage, however, of covering the whole earth, land and sea, uniformly. As with airborne and marine magnetic surveying, elimination of temporal variations in the field is challenging. The CHAMP satellite has achieved robust global coverage in the last 10 years largely through the repetition of orbits and ‘stacking’ those traverses collected at magnetically quiet times. The resulting global map of anomalies attributable to the lithosphere is reliable to a fractional nT accuracy and reveals local anomalies up to 30 nT in amplitude, even at satellite altitude.

Back at the scale of geological mapping of the continents (typically 1:250 000), individual airborne surveys usually cover areas of dimension no more than a few hundred km square. Large countries such as Canada and Australia that used aeromagnetic coverage as a strategic part of their geological reconnaissance in the second half of the twentieth century set about making a patchwork of individual surveys to build (eventually) a national coverage. While individual surveys lasting a few months may each be organised so as to eliminate short period temporal variations (e.g. diurnal) from the observations, a programme lasting decades needs also to eliminate secular variation from its results so that adjacent survey blocks may be stitched together objectively. It is a singular success for IAGA that the International Geomagnetic Reference Field (IGRF) has been adopted almost universally by magnetic anomaly surveyors to achieve this. The limited size of blocks, and any arbitrary warps still needed to make them join perfectly, means that the patchwork of data is still lacking real information at wavelengths of a few hundred km – somewhat short of the highest spatial frequency observed by satellite.

For many years IAGA was also active in promoting the patch-working of national magnetic anomaly maps into a global coverage. At first this unfolded as a series of continental scale coverages – North America, Australia, Africa, USSR, etc – produced mostly during the 1990s. Assisted by the advent of the CHAMP coverage and the ‘comprehensive’ geomagnetic field model in the past decade, to say nothing of new software and hardware capacity, the first global coverage map was realized in 2007 (IUGG Perugia) – a testimony to perseverance, new technology and, not least, diplomacy. Data was collected to populate a grid of about 5 km across the whole globe, a resolution that was considered a suitable compromise between the detail that should be visible on such a map and the confidentially still attached to data of a higher resolution by many national administrations. Fortunately, the Commission for the Geological Map of the World (CGMW) has protocols for the supply of outline data for the geological world map that could be invoked in support of these efforts.

Some of the geological and tectonic features evident in the world magnetic anomaly map will be illustrated in the presentation. This will be set in the context of the dynamics of continental movements and the history of the dispersal of the super-continents that existed in early Phanerozoic times to give the configuration of continents on the earth’s surface familiar today. Most recently, web-based technology has been invoked to make geological and geophysical data more accessible generally through initiatives like Dapple and OneGeology. In Africa – 22 per cent of the world’s land area – initiatives like GIRAF and eGY-Africa have been launched to help accelerate the adoption of ICT in the geoscience community there.

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Association Lecture 2

THE MESOSPHERE AS A LINK IN SUN-CLIMATE RELATIONSHIPS

Alan Rodger

The mesosphere lies about 50–100 km altitude above the Earth. It is the coldest part of the atmosphere (~160K), absorbing little direct radiation from the Sun. The pressure in the mesosphere is about one millionth of that at the Earth’s surface. Despite having some of the most spectacular optical phenomena – noctilucent clouds, meteor trails, sprites and elves and the aurora – it has not been extensively studied, being too high for balloon observations and too low for in situ satellite measurements. Therefore it is the least understood of the ‘spheres’. Yet the mesosphere is the critical interface between the ionised atmosphere above and the neutral atmosphere below. Energetic particles, which originate either on the Sun or in the magnetosphere, change the chemistry in the mesosphere. Gravity waves, planetary waves and tides that are born in the troposphere and stratosphere are absorbed in, or reflected by, the mesosphere. These processes cause further dynamic changes throughout the atmosphere, and hence provide Sun-climate links. Vertical coupling in the atmosphere is a topic of emerging importance. The presentation will include examples of the top down and bottom up linkages, illustrations of how measurements are made of this remote region, and identify some of the pressing scientific challenges.

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Description Of Symposia at the IAGA 11th Scientific Assembly

I.01. Planetary Dynamos: theory, models, observation and experiment

Div. 1 and SEDI

Magnetic fields are generated by dynamo action in the interiors of the Earth, and the planets, Jupiter, Saturn, Neptune, Uranus, and possibly Mercury. Our current understanding of these natural dynamos relies on theory, computational and analytical modelling, observations and laboratory experiments. Advances in computer hardware and software are improving the numerical modelling of dynamos. Small scale turbulence, which cannot be directly computed, requires sub-grid scale modelling, such as large eddy simulation techniques. Observations, such as the magnetic data from recent Earth satellites, provide important constraints on natural dynamos. Substantial progress is being made in laboratory experiments on magnetic field generation in electrically-conducting fluids. Comparative studies of the natural dynamos with numerical dynamos and laboratory experiments, which typically operate in different parameter regimes, should increase our understanding of the dynamo process in the Earth and other planets. We call for contributions on all aspects of planetary dynamos: theory, models, observations and experiments. Contributions which improve our understanding of the geodynamo are particularly welcome.

Convener: David Ivers. Co-conveners: Ibrahim Eltayeb, Alexandra Pais

I.02. Consequences of ionospheric-magnetospheric processes on magnetotelluric response functions

Divs. I, II, III, and V

Magnetotellurics is a method to image the subsurface electrical conductivity structure through electromagnetic induction, where the source field is provided by natural electromagnetic signals of magnetosphere-ionosphere origin. From some very long (ground observatory) records more or less regular variations of the response function have been observed. If the subsurface is constant, any variation in the response function refer to processes in the source field, e.g. to plasmaphysical processes of the outer environment. Papers dealing with periodic modulation of electromagnetic response function are sought. Presentations focusing on field observations at low, middle and high latitudes, and on associated ionospheric and magnetospheric sources behaviour are welcome.

Convener: László Szarka. Co-conveners: Jan Lastovicka, Michelle Menvielle

I.03. Continental Lithospheric formation and deformation. In honour of Toni Ádám's 80th anniversary

Divs. I and V

What are the processes by which the lithosphere beneath the continents is formed and subsequently deformed, and do these processes result in structures and geometries that can be imaged by electromagnetic and geomagnetic methods? These questions are at the heart of this session, which will explore whether deep-probing electromagnetic data and models of satellite and ground-based magnetic data can give insight into Earth processes, and particularly their secular variation.

Convener: Alan G. Jones. Co-convener: Miora Manda

I.04. Near surface and environmental studies using electromagnetic induction

Div. I

With the development of new technologies, new instruments, and improved data-processing, electromagnetic methods are able to image shallow structures with applications to many environmental problems. Examples include contaminated unconfined aquifers associated with landfills, landslides, seawater intrusion in coastal areas, the detection of cavities, and the detection of sinkholes and caves in karstic areas. Recently, landmines and unexploded ordnance hazard have appeared as other fields where electromagnetic methods can provide useful applications. We would like to invite contributions related to the issues discussed above, including case studies, the development of novel applications of electromagnetic methods in hydrogeophysics, and the joint inversion of electromagnetic data with other geophysical datasets.

Convener: Gad El-Qady. Co-convener: Andre Revil

I.05. Deep mantle structure imaged by electromagnetic observations using long-period MT, cables and satellites. EM studies in oceans. In memory of Ulrich Schmucker (1930-2008)

Div. I and ICDC

An increasing number of initiatives have been taken to study the electromagnetic (EM) signature of the Earth's crust and mantle. These initiatives include both the acquisition of new high quality data obtained at the planet surface and/or from satellite and development of new tools for the analysis and interpretation of EM data and its comparison with other geophysical and geological data. We encourage presentations addressing these and related questions comparing or integrating different geophysical methods and models, with special focus on EM works that synthesize regional and global compilations to increase our understanding of lithospheric-aesthenospheric structure and processes behind its formation and evolution, as well as studies related to new developments on deep EM methods. The session is completed with papers about EM studies in the ocean.

Convener: Juanjo Ledo. Co-convener: S.G. Gokarn

I.06. Crustal tectonic processes constrained by electromagnetic observations

Div. I

Study of the crustal processes helps to delineate the natural resources, seismically active zones, geothermal regions etc. The session is devoted to research contribution of electromagnetic studies in resolving structural features of crust ranging from Archean to Recent in age. Recent review paper on EM investigations of the lithosphere in Europe provided an overview of the large-scale EM surveys on a regional scale. We particularly invite such large scale studies. The session also addressed the role of EM in monitoring crustal processes. EM monitoring of seismic and volcanic processes have examined correlation of electrical resistivity models with crustal melting, seismicity, and fault zones.

Convener: T. Harinarayana. Co-convener: Yasuo Ogawa

I.07. EM modelling and inversion. In memory of Peter Weidelt (1938-2009)

Div. I

In all areas of applied geophysics numerical methods are increasingly important. The interpretation of electric and electromagnetic field data is impossible without adequate numerical modeling and inversion codes. Growing computer power and new numerical algorithms propel the methodological development of modeling and inversion techniques. Although these techniques are as close to reality as never before, nature still holds a lead due to the multi-scaled complexity of its materials. The boundaries between classical methods as dc resistivity, induction and electromagnetic wave methods dissolve. The physical responses of dielectric permittivity and magnetic permeability mingle with pure inductive processes. Three-dimensionality, topography, complex geometry, anisotropy, large parameter contrasts, discretization and parallelization are just a few key words of current research in the field of simulation. Classical and alternative inversion concepts allowing for smooth or sharp boundaries, parametrization strategies, stochastic approaches for global minimum search, all-at-once approaches, resolution analysis, model appraisal, and sensitivity studies represent current areas of research in the field of inverse problems. Besides pure numerical topics, the presentation of specialized codes for marine, land-based, airborne or any other electromagnetic application are of great interest for practitioners and developers. Concluding, we invite contributions to all methodological and computational approaches in all areas of electric and electromagnetic methods.

Convener: Klaus Spitzer. Co-convener: Weerachai Siripunvaraporn

I.11. Developments in magnetic anisotropy

Div. I

Conventional AMS measurements have been widely used in studying the magnetic fabric of igneous, sedimentary and metamorphic rocks. This session intends to be a forum for papers dealing with the AMS of any of the mentioned rock types, preferably in combination with a detailed rock-magnetism study and other anisotropies of the magnetic properties, such as the anisotropy of remanence or high field anisotropy. Presentations about the applications of variable AC field amplitude and frequency in studying the anisotropy of the magnetic susceptibility, as a new technique to help the interpretation of anomalous or inverse fabric, are especially welcome.

Convener: Emő Márton.

Co-conveners: Francesca Cifelli, Martin Chadima, M. Irene B. Raposo

I.12. Palaeointensity and archaeointensity – results and their implications, methodological advances, and open issues

Div. I

Records of ancient geomagnetic field intensity variations are being produced at an accelerating rate from igneous, sedimentary, and baked archaeological materials and are being applied to such diverse and exciting topics in geoscience as geodynamo theory, climatology, and mantle convection. All of this in spite of the well-documented difficulties associated with producing reliable measurements which have themselves motivated a rapidly growing number of studies focused on improving the experimental and analytical methodologies. We solicit presentations based on any aspect of palaeointensity (absolute and relative) and archaeointensity

determination and particularly welcome contributions which directly address controversial issues associated with either the acquisition of intensity records or their implications for important, interdisciplinary problems.

Convener: Andy Biggin. Co-conveners: Simo Spassov

I.13. Paleomagnetic, geomagnetic and rock-magnetic procedures: field tests, instrumentation, statistics

Div. I

The rock and sedimentary record of the Earth magnetic field is based on straightforward principles established since more than fifty years. Nevertheless, continuous research in this field and progressive extension of the paleomagnetic database, progressively opened a "Pandora box" of complex phenomena related to the formation of iron minerals, and the acquisition of a magnetic remanence in weak fields. A deep understanding of these phenomena requires an interdisciplinary approach that spans from pure mathematics, to mineral physics, geochemistry, climatology and biology. Emerging techniques, such as nanoscale magnetic imaging, magnetic tomography of fine particles, single crystal demagnetization, as well as new paleointensity procedures, are now emerging frontiers that will be addressed in this session. Contributions describing novel instrumentation, (geo)magnetic data acquisition and analysis procedures, rock magnetism, paleointensity, and magnetic imaging techniques are welcomed, especially in a combined approach that allows a reliable cross-check of new theories and models.

Convener: Ramon Egli. Co-conveners: Fabio Donadini, Karl Fabian

I.14. Geo- and paleo-magnetic data constraints on geodynamo models

Div. I and SEDI

Geodynamo models are becoming increasingly sophisticated and can now be used to elucidate specific processes such as polarity reversal, characteristics of the secular variation, and morphology of the time-averaged field. At the same time paleomagnetic studies are producing more reliable data, in increasing quantities, for the ancient geomagnetic field, and satellites are producing better resolution in both time and space for the present geomagnetic field. This three-fold advance has allowed combinations of theory and measurement at a level not possible until now. This session will focus on studies that use dynamo theory to address specific observational characteristics of the geomagnetic field, and those that use observations to constrain dynamo theories. We solicit contributions on observation, interpretation and modelling of geomagnetic variations on all time scales. We particularly welcome contributions featuring dynamo models and theory capable of explaining field reversals and excursions, and the long term behavior of the geomagnetic field.

Convener: Johannes Wicht. Co-convener: Roman Leonhardt

I.15. Rock magnetism: theory, experiments and observations

Div. I

Rock magnetism underpins our interpretation of numerous paleomagnetic and environmental magnetic phenomena, yet there are a number of areas within rock magnetism that are evolving rapidly and may lead to new understandings and applications. This session welcomes contributions to applied and fundamental rock magnetic research from all areas ranging from basic mineral identification to geological interpretation. Both field and laboratory-based studies are encouraged, as well as numerical simulations and theoretical applications. Topics for this session include, but are not limited to, magnetic and non-magnetic mineral identification techniques (e.g., low-temperature magnetometry, Mössbauer spectroscopy, magnetic hysteresis, electron microscopy, etc.), challenges in recovering characteristic remanent magnetisations (ChRMs), paleointensities (both relative and absolute) of the ancient geomagnetic field, magnetic granulometry, identifying pathways and degrees of magnetic mineral alteration, and methods for distinguishing mineral fabrics from induced and remanent magnetic anisotropies.

Convener: Adrian Muxworthy. Co-conveners: Joshua M. Feinberg, Claire Carvallo, Koji Fukuma

I.16. Environmental magnetism and biomagnetism

Div. I

The magnetic mineral inventory in marine and terrestrial sediments reflects various processes. These may occur before or during sediment deposition (e.g., weathering of the source material, transport, steady vs. non-equilibrium sedimentation, etc.) or after sediment burial (e.g., sediment mixing, authigenesis, biomineralization, geochemical alteration and dissolution, etc.). Each process can leave a characteristic fingerprint in the magnetic record, which may be obfuscated later on, thereby hampering the deconvolution of the record into the underlying processes. The aim of this session is to provide a platform to discuss recent developments towards establishing robust quantitative magnetic proxy parameters (e.g. for humid/arid conditions, warm/cold climates, high/low productivity, biogenic minerals, redox zonation, etc.), magnetic monitoring of pollution, comparative studies (geochemical vs. magnetic proxy parameters), unmixing models, and theoretical and conceptual models of authigenic/biogenic mineral formation in a wide range of environmental and Earth science applications.

Convener: Michael Winkhofer. Co-conveners: Liping Zhou, Christoph E. Geiss, Ana M. Sinito

I.17. Paleomagnetism and rock magnetism of anomaly source rocks

Divs I and V

Interest in magnetic anomalies has increased in recent years with the observation of large remanent anomalies on Mars, with the upcoming Swarm mission investigating the Earth's field, and with renewed interest in magnetic signatures of economic mineral deposits. This session invites contributions of paleomagnetic and rock magnetic studies on magnetic anomaly source rocks at all scales, including marine magnetic anomalies and regional and local crustal anomalies.

Convener: Laurie Brown. Co-conveners: Silvana Geuna, Phil Schmidt, Sten-Åke Elming

I.18. Open poster session

Div. I

This session is addressed to a broad audience in Geomagnetism, Rock-, Palaeo- and Environmental magnetism. Topics involving magnetic studies of different past and present environments, materials (natural and synthetic) as well as new methods and developments are appreciated. Multi-disciplinary approach involving other physical and chemical methods in addition to magnetic studies is encouraged. Contributions from other fields of natural sciences demonstrating relevance and new ideas for applications in Geomagnetism and Environmental Magnetism are worthwhile. Presentations that do not fit directly into the scope of the other magnetic sessions are also welcome. Although this session comprises only contributions as posters, we encourage authors presenting novel ideas, new interpretations and provocative theories in order to trigger attractive discussions at their poster board, and hence to promote oral communication among the authors and audience.

Convener: Neli Jordanova. Co-conveners: Marcos A.E. Chaparro, Tomasz Werner

II.01. Electrodynamical coupling from the troposphere to the magnetosphere related to thunderstorm electrical activity

Div. II

Twenty years ago, a process of "upward" transfer of electrical thunderstorm energy was discovered and named "sprites." Since then, other forms of electrical energy transport to the upper atmosphere and space, also originating in thunderstorms, have been discovered. They can be broadly classified into different categories: the Transient Luminous Events (TLEs), Terrestrial Gamma-ray Flashes (TGFs), X-ray emissions, etc. They span the distance from the troposphere to the magnetosphere. Satellite observations of thunderstorm-related TLEs, TGFs, X-ray emissions, etc. have demonstrated that they are global phenomena. Thunderstorms can also be the origin of gravity waves, while recent results have also demonstrated that sprites can produce infrasound waves. This session welcomes papers on all the electrodynamical effects of thunderstorms on the upper atmosphere, their interaction with the local medium, chemical effects, generation mechanisms and parent thun-

derstorms, infrasound and gravity waves, magnetospheric effects, similar processes on other planets, and all types of associated phenomena. At the 2009 IAGA meeting we will celebrate 20 years of sprite research.

Convener: Colin Price.

Co-conveners: Gabriella Satori, Fernanda T. São Sabbas, Elisabeth Blanc

II.02. New findings concerning the polar summer mesosphere/lower thermosphere/ionosphere region including the role of dusty plasmas

Div. II

The mesosphere/lower thermosphere/ionosphere (MLTI) region is now thought to contain large quantities of charged dust and aerosols. During the cold polar summer, the dust can be responsible for many unusual phenomena, such as noctilucent clouds (NLC) and polar mesospheric summer echoes (PMSE). Recently, there has been a flurry of new measurements and studies concerning the MLTI including the role of the dust and aerosols. This session will concentrate on features of the polar summer mesosphere, including composition, dynamics, including the origin, shape, size, and composition of the particles composing the contained dust. Both recent measurements and theoretical considerations will be highlighted. These considerations will also include such items as event dependence on background conditions, the frequency and global distribution of the induced phenomena, southern hemisphere/northern hemisphere differences, and long-term changes.

Convener: R. A. Goldberg. Co-Convener: F-J. Lübken

II.03. Long-term changes in the mesosphere, thermosphere and ionosphere

Div. II

Past two decades have enriched us with a variety of observational data from space, airborne and ground-based platforms on several parameters. The primary goal of this symposium is to discuss the most updated experimental and model results on long-term changes and trends in the stratosphere, mesosphere, thermosphere and ionosphere. The symposium will emphasize the emerging trend signals under Global Change and future predictions. Natural and anthropogenic effects on the Space weather system and processes by which they interact. The relative importance of long term natural and anthropogenic influences with their identification will be addressed. Both contributory and solicited papers are welcome.

Convener: Gufran Beig. Co-convener: J. Lastovicka, R. Akmaev

II.04. Solar and lower atmospheric forcing of the middle atmosphere-ionosphere system

Div. II

The Earth's atmosphere as a whole (including the ionosphere embedded in the thermosphere) is a coupled system influenced by the solar and magnetosphere processes from above and upward propagating disturbances from below. The coupling processes are crucial to our understanding of climate change drivers and space weather events. The symposium invites observational and modelling studies that address the dynamics of the middle and upper atmosphere with emphasis on chemistry and transport, heat sources and sinks, solar and lower atmospheric forcing and the associated feedback on dynamics. Contributions are sought that focus on atmospheric waves (acoustic-gravity, planetary, tides), wave-wave and wave-mean flow interactions, atmospheric electricity and electrodynamical coupling processes. New results on the mesosphere-lower thermosphere wave seeding (wave penetration and secondary wave generation) of ionospheric disturbances and the solar influence on the vertical propagation condition of the waves in the middle atmosphere are particularly welcome. The Symposium will provide the opportunity to review the current progress in this field and suggest future direction of research.

Convener: Dora Pancheva. Co-convener: Ed. Kazimirovsky

II.05. Energetic particle precipitation into the atmosphere: sources and consequences

Divs II and III

Particle precipitation into the atmosphere is one of the mechanisms for energetic electron loss from the Van Allen radiation belts. This is particularly significant during and after geomagnetic storms, when the loss rate, and the source population, can both increase. This session is magnetospheric targeted at both ground-based and satellite experimental observations, as well as theoretical investigations, into the precipitation of energetic electrons (>20 keV) into the D-region ionosphere and below. Papers considering the precipitation drivers, the nature of the particle fluxes, or the impact of the precipitation on the ionosphere or atmosphere are welcome.

Convener: Mark Clilverd. Co-convener: Craig Rodger

II.06. Equatorial atmosphere-ionosphere interactive processes: vertical and latitudinal coupling and magnetospheric forcing

Divs II and III

The Earth's equatorial and low-latitude atmosphere-ionosphere system is subject to significant modification due to dynamical and electro-dynamical coupling processes arising from upward transport of energy and momentum by gravity-, tidal- and planetary waves originating from lower heights and extra-tropics, which results in its large zonal, day-to-day and inter-annual variability. Magnetospheric/interplanetary forcing through disturbance electric fields and energy deposition at high latitudes with the consequent coupling to equatorial latitudes represents another important source of variability of the system at different time scales. Important new results from ground based instruments networks, space borne observations and simulation studies on the different coupling processes and sources of variability of the system have been forthcoming in recent years. This symposium will address all aspects of the dynamics, energetics and coupling processes of the atmosphere-ionosphere-system of the latitude region extending from the equator to mid-latitudes. Results are welcome from experimental, theoretical and modelling investigations, and on manifestations of the coupling process through the responses of the system to magnetic storms and upward propagating atmospheric wave disturbances etc. in terms of small and large structures, TEC, winds and waves, temperatures, plasma drifts, electric fields, currents, precursor conditions for equatorial plasma bubble development, anomaly and electrojet variability etc.

Convener: M. A. Abdu. Co-Conveners: Takuji Nakamura

II.07. Forcing of the middle and high latitude thermosphere from above and below

Div. II

New aspects of thermospheric dynamics can now be studied based on observations from low-Earth orbiting satellites, such as CHAMP and GRACE, carrying sensitive accelerometers on board. From the recorded air drag it is possible to derive the details of mass density and wind distribution on global scale. The dependence of the thermosphere on local time, season and solar flux has clearly been revealed from these observations and can be compared with model predictions. Rather new and unpredicted are the thermospheric features related to geomagnetic field distribution, e.g. air up-welling in the cusp region and equatorial mass anomaly aligned with the dip equator. Another area of ongoing research is the response of the thermosphere to magnetic activity, which is poorly reflected by the models. Only recently the prominent influence of non-migrating tides on the thermospheric dynamics has been realized. In particular, the signatures of the eastward propagating diurnal wave-3, DE3, are strong during large parts of the year. The origin of the DE3 tidal mode is related to processes in thunderstorm clouds in the tropics. Papers are solicited for this session on any of the above or related topics that are of importance for determining the structure and dynamics of the thermosphere. This includes observations or modelling of the thermospheric coupling with magnetosphere, ionosphere or lower atmosphere. Papers announcing new possibilities in T-I research with the upcoming ESA constellation mission SWARM are particularly welcome.

Convener: Hermann Lühr. Co-convener: Alan Aylward

II.08. Remote sensing of the plasmasphere, and coupling to the ionosphere

Divs II and III

The dynamics of the plasmasphere plays an important role in Earth's space weather system, and is governed by solar activity. Also the plasmasphere is strongly coupled to the ionosphere by means of electromagnetic fields and currents. The plasmasphere forms the cold plasma background for the overlapping, 'warm' (ring current) and 'hot' (radiation belts) regions and its plasma distribution is a fundamental parameter for the description and modelling of various physical processes in these regions. This session focuses on various remote-sensing techniques: active and passive ground-based measurements using ULF-ELF-VLF electromagnetic waves as well as satellite-based methods including radio sounding and imaging. Also included are the coupling processes related to cold plasma density.

Convener: János Lichtenberger. Co-convener: Fred Menk

III.01. Magnetopause and magnetosheath processes: reconnection, diffusion and boundary dynamics

Div. III

The magnetopause and its boundary layers are the prime sites of mass, momentum and energy transfer from the solar wind into the magnetosphere. Understanding the physics of these processes is central to magnetospheric physics. Observations of these regions are continuously ongoing owing to several dedicated spacecraft missions. Space data are further supported by observations from ground based observatories. New progresses in simulations (MHD, hybrid and kinetic) and theoretical knowledge allow the physics of reconnection and boundary layer processes to be elucidated as never before. This session invites contributions on a wide range of magnetopause-related topics, including observations of the structure of the magnetopause current layer, its boundary layers and their transient variations, the signatures of the various forms of plasma interactions, such as magnetic reconnection, and their relevance to solar wind-magnetosphere coupling. The basic physics of reconnection, plasma diffusion and boundary layer formation at the magnetopause, as well as the magnetosheath processes that influence magnetopause dynamics are highly relevant.

Convener: Claire Foullon. Co-convener: Charles J. Farrugia, Benoit Lavraud

III.02. Advances in substorm research from multi-point observations in the magnetosphere

Div. III

Substorm research has reached a new era with recent advances in the multi-point observational capabilities in the magnetosphere and simultaneous ground-based observations. THEMIS's multi-point observations allow us to study the interplay between the midtail and inner magnetospheric substorm processes covering key regions of energy transport and dissipation region simultaneously. Cluster local multi-point observations allow us to measure local instabilities and obtain local properties of the propagation of the current sheet disturbances. Combining THEMIS, Cluster, and other spacecraft at geosynchronous, low-altitude, solar wind, and mid/near tail region, enables studies such as evolution of phenomena along field lines and large-scale solar wind-magnetotail interaction. Comparisons with advanced modelling, specific to individual events, is expected to help bring such observations in a proper physical context. This session is devoted to multi-point observations and relevant modeling studies on substorms. We also solicit papers dealing with new analysis techniques determining propagation of the substorm disturbance using multi-point data in space and on the ground.

Convener: Rumi Nakamura. Co-convener: Vassilis Angelopoulos

III.03. Magnetosphere-ionosphere interactions and auroral processes

Divs III and II

Magnetosphere-ionosphere coupling entails the transport of electromagnetic power, particle energy, and mass between the ionosphere-thermosphere and the magnetosphere, and feedback between these regions. The electrodynamic response of the system gives rise to convection, the flow of electrical currents within the system, and dissipation of electromagnetic power, especially in the ionosphere. The inertial interaction involves

redistribution of mass and momentum throughout the coupled system, which regulates the ring current, local plasma instabilities, and magnetic reconnection. We now recognize that the electrodynamic response is strongly influenced by the inertial response and vice versa, and that a comprehensive analysis of the coupling requires a unified approach. Moreover, the coupling spans low to high latitudes during periods of strong solar wind forcing. This symposium invites papers on observations, theory, simulation and modeling covering a broad range of topics: How are magnetospheric dynamics modified by M-I coupling, and how does the coupling influence the state of the ionospheric plasma and conductivity? What are the processes involved in plasma inflow/outflow, under what conditions do they occur, and how do they couple the magnetosphere and ionosphere? What role do waves and plasma instabilities play in scale-interactive M-I coupling? How does the M-I interaction mediate cross-latitude coupling? How are these processes manifested in auroral precipitation?

Convener: William Lotko. Co-conveners: Yusuke Ebihara

III.04. New perspectives of the magnetosphere-ionosphere system from global models, synoptic observations, and data assimilation

Divs III and II

Increasingly sophisticated global models and new developments in ground-based and space-borne observational capabilities have contributed greatly to the understanding of the magnetosphere-ionosphere system. Comparisons of numerical simulations from global models with observations from multiple platforms provide a means to test and improve our current understanding of the physical processes pertained to this coupled system. Papers on comparative modeling studies and ground- and space-based multi-instrument observations of global and mesoscale phenomena of the magnetosphere and ionosphere are solicited. Papers that focus on new numerical techniques and data assimilation methods to reveal new features of the magnetosphere-ionosphere system are particularly suitable to this session.

Convener: Gang Lu. Co-conveners: Stefan Eriksson

III.05. The plasma sheet - ionosphere, a coupled system: Sinks, sources, transport and the role of Region 2 currents

Divs III and II

Observations, modeling, and theory have now reached the point where the plasma sheet and its coupling to the ionosphere can be considered as a whole, rather than treated as separate issues within ionosphere or plasma sheet physics. Therefore, this is now a topic requiring participation from both Division II and Division III. The plasma sheet is formed from particles entering directly and indirectly from the ionosphere and solar wind. The structure and asymmetry of its pressure, temperature, density, and entropy are determined by the particle entry, transport, and loss processes. All these processes are in turn strongly affected by the electrodynamic coupling with the ionosphere. The plasma sheet dynamics, in particular through the Region 2 coupling currents, strongly affects the ionosphere via particle precipitation and Joule heating. Furthermore, the Region 2 currents cause strong modifications of the global ionospheric electric field distribution, at middle latitudes by shielding and penetrating electric fields, at higher latitudes supporting the SAPS, and in the auroral region causing the Harang electric field reversal. Papers are solicited for this session on any of the above or related topics that are of importance to determining the formation of the plasma sheet (sources and losses), its structure and dynamics and/or the effects electrodynamic coupling has on ionospheric and magnetospheric processes. Papers dealing with the system as a whole or with a near-Earth manifestation of the coupling processes are also appropriate.

Convener: Larry Lyons. Co-conveners: Simon Wing, Sorin G. Zaharia, Hermann Lühr, Elizaveta Antonova, Jay Johnson

III.06. Techniques and instrumentation in space plasma physics

Div. III

Space and ground based instrumentation has shown significant advances in technology in recent years. These developments enable a new generation both of measurements and of data acquisition and logistical support

for space and ground based instrumentation. Not only have advances been made to improve performance of individual instruments, for example, space based imagers and sensors but also in distributed space and ground based systems to enable improved reliability and autonomy enabling large networks of sensors. New techniques in numerical simulation, operation and analysis of data have been developed to take full advantage of the broad range of measurements provided. This session invites papers describing instrument technologies and developments applied to space physics including both space and ground based as well as papers describing new techniques of measurement, data analysis, calibration and instrument operations not already covered by the other sessions.

Convener: Alain Hilgers. Co-conveners: David Cooke, Hermann Lühr, Hideyuki Usui

III.07. Wave and particle dynamics in the ring current and radiation belts/geomagnetic storms

Div. III

Recent progress in the understanding of radiation-belt energization and loss processes, as well as ring-current build-up and decay, has shown that the system is highly variable, and relies on a variety of different waves and other transient phenomena to couple the dynamic processes occurring in the inner magnetosphere. Multiple energization and loss process occur simultaneously, over a variety of spatial scales ranging from microscopic wave-particle interactions, to global-scale interactions, and a variety of temporal scales, from milliseconds to hours. In this session, we will focus on the dynamical behavior of radiation-belt and ring-current particles, the global variability and coupling to the inner magnetosphere, and the nature and spatiotemporal distribution of the underlying waves that control this behavior. In particular we seek contributions demonstrating the spatiotemporal distribution of various waves, including electromagnetic ion cyclotron (EMIC) and whistler mode chorus wave activity, magnetosonic, ECH and other; the role of the ring current in global magnetopause losses due to the inflation of the geomagnetic field; and when ultra low frequency (ULF) waves are efficient in energizing radiation belt particles. Future directions and needs for the field will be captured for future meetings (and possible for a special publication issue if so decided) by holding a panel discussion at the end of the session.

Convener: Jacob Bortnik. Co-convener: Sasha Ukhorskiy

III.08. Other magnetospheric worlds

Div. III

This session will focus on a comparative view of planetary magnetospheres and their interactions with satellites and rings. With global data from orbiters of both Jupiter and Saturn in hand, it is now topical to consider these and other globally magnetized planets using a comparative approach. Potential subjects of comparison include magnetic fields and current systems, planetary and satellite ionospheres, magnetospheric interactions with satellites, sources of charged particles (planet, satellite or solar wind), their energization and loss, and system periodicities. Analyses and/or modeling of data obtained in situ or remotely are welcome as are simulations. Magnetospheres of the outer planets, Mercury, and the satellite Ganymede are all within the scope of this session. An example of the spirit of this session is comparing the various periodicities that occur at Jupiter and Saturn and understanding their similarities and differences. This will lead to more general predictions about other rapidly rotating magnetospheres.

Convener: Chris Paranicas. Co-conveners: Elias Roussos, Krishan Khurana

III.09. Conjugate and inter-hemispheric studies of polar geophysical phenomena: Results from the International Polar and Heliophysical Years (IPY/IHY)

Divs III and II

We invite contributions from space- and ground-based observations, modelling and theory relating to the similarities and differences between the upper atmospheres of the two polar regions, and on the coupling and mapping between the magnetosphere and ionosphere. Inter-hemispheric symmetries provide stringent tests for models and theories of the coupled magnetosphere-ionosphere-thermosphere system. To this end, the IPY/

IHY has provided unprecedented ground-based instrumentation in both hemispheres and in space, including the Themis and Cluster spacecraft missions and their associated ground-based support by optical, magnetometer and riometer arrays, incoherent and coherent radars (AMISR, EISCAT, SuperDARN) and much more. To deliver the full potential of this opportunity requires improved knowledge and understanding of the relationship between the magnetosphere and ionosphere and thermosphere, particularly the magnetic conjugacy.

Convener: Mervyn P Freeman. Co-conveners: Allan T Weatherwax

III.10. ULF Waves as magnetospheric probes

Div. III

ULF waves, ranging from ion cyclotron waves to MHD waves, can provide valuable diagnostics of the space environment, such as the mass density distribution, the ion composition, and the location of boundary regions. The timing of their occurrence also provides early signals of various dynamical processes such as the propagation of solar wind-driven sudden impulses, substorm onsets, and the enhancement of radiation belt particle fluxes. This session solicits papers that address recent progress in theoretical and/or observational ULF wave studies. Studies of the basic physics of magnetospheric waves associated with any kind of ion motions in either terrestrial or planetary magnetospheres are welcome. Investigations of the role of ULF waves as magnetospheric probes are particularly encouraged; these include the subjects of magnetoseismology, heavy ion mass loading, and new ULF wave indices.

Convener: Dong-Hun Lee. Co-conveners: Peter J. Chi, Mark J. Engebretson, Karl-Heinz Glassmeier

III.11. Reporter reviews

Div. III

Research activities in the past two years in 8 themes will be given by the Reporters. The themes are (1) Magnetospheres other than Earth, (2) Global dynamics, (3) Tail dynamics, (4) Auroral phenomena, (5) Magnetopause and boundary layer, (6) ULF waves, (7) Inner-magnetosphere, and (8) Wave-particle interaction in the inner-magnetosphere.

Convener: Anna Milillo

IV.01: New solar and interplanetary results

Div. IV

Continuous observations from solar and heliospheric missions have been advancing our knowledge of the physical and dynamical properties of the Sun and the solar wind. These observations, along with theory and models, continue to advance and pose challenges on our understanding of the responsible physical processes. This session invites contributions covering new results from observations from space and ground-based observatories, theory and modeling of different aspects of the Sun and the heliosphere, including its interior, extended atmospheres and the solar wind. This session is aimed at stimulating exchange and promoting discussion on the recent developments derived from observations and latest research in the field.

Convener: Yuan-Kuen Ko. Co-conveners: Michael L. Kaiser, Takashi Sekii, Robert F. Wimmer-Schweingruber

IV.02. From micro- to macro-scales in the heliosphere and magnetospheres

Divs IV, III and II

The NRC Panel Report on Theory, Modeling, and Data Exploration identified “coupling complexity” as a central challenge facing the further development of modeling and simulation in space physics over the next decade. Here, coupling complexity refers to the class of problems or systems that consist of significantly different scales, regions, or particle populations, and for which more than one set of defining equations or concepts is necessary to understand the system. Coupling complexity is very well represented by physical processes occurring throughout the heliosphere and magnetosphere. In the far outer heliosphere, such processes may be identified within that part of the heliosphere whose properties are determined by the solar wind interac-

tion with the local interstellar medium, and especially the coupling of neutral interstellar hydrogen to the plasma. Other problems involve the direct coupling of plasma kinetic to macroscopic processes. For example the understanding of reconnection has taken significant strides forward with the coupling of kinetic physics to the more traditionally understood MHD models, as has our understanding of collisionless shock waves. Another well studied example is particle acceleration in numerous different environments. Such examples abound throughout heliospheric and magnetospheric physics and the goal of this symposium is to explore the common elements across sets of problems that directly incorporate kinetic physics into macroscopic models, either through direct simulations or using transport equation processes.

Convener: Gary P Zank. Co-conveners: Igor Veselovsky, Quanming Lu

IV.03. Universal heliophysical processes

Divs IV, II and III

The study of the physical space directly influenced by Sun's mass and electromagnetic emissions has been greatly enhanced since the dawn of the space era half a century ago. This space, now known as the helio-space, serves as a great laboratory to study numerous physical processes, thanks to the vast array of ground and space-based instruments that measure various physical quantities. The observational capabilities collectively form the Great Observatory to make scientific investigations not envisioned by individual instrument teams. The International Heliospherical Year (IHY) program has been promoting scientific investigations on the universality of physical processes such as discontinuities including shocks, particle acceleration, dynamo, magnetic reconnection, magnetic flux ropes, plasma-neutral matter interactions, turbulence, among others. The session will also consider discussion on the solar-cycle variations in the heliosphere and how it is related to the solar dynamo. This session will highlight scientific investigations on these and related topics and showcase the knowledge gained since the birth of Space Science as discipline in 1957. The session will feature several invited reviews by leading experts as well as contributed talks and posters focusing on observations, theory and modeling of the universal heliophysical processes.

Convener: Nat Gopalswamy.

Co-conveners: Károly Kecskeméty, Barbara J. Thompson, Bojan Vrsnak

IV.04. Advances in coordinated Sun-Earth system science through CAWSES and ILWS

Divs IV, II and III

Recent observational advances have allowed us to study the changing Sun with unprecedented detail. Many dominant research topics have become broader as we seek to connect changes at the Sun and of the Heliosphere to changes in the Earth's magnetosphere and atmosphere through a deeper understanding of the physics obtained from interdisciplinary approaches to problems. The challenge of conducting interdisciplinary research in a plasma system as large and complex as one sitting between the Sun and Earth within the heliosphere, which is itself embedded in the interstellar medium, demands long-term, carefully coordinated international cooperation. In response to this need, the Climate and Weather of the Sun-Earth System (CAWSES) and International Living With a Star (ILWS) programs were created. Complementary in their nature and goals, the two programs combine resources from the national and international communities to both advance the state of our knowledge and coordinate and plan Sun-Earth System research missions of the present and future. For this session, contributions on the research highlights from the CAWSES and ILWS programs related to space weather and space climate, including external forcing of the terrestrial climate and the atmospheric response will be solicited and key research challenges for the next five years will be discussed.

Convener: W. William Liu. Co-conveners: Horst Fichtner

IV.05: Neutral-plasma interactions for planets, moons, asteroids, and comets

Divs IV and III

This session will be a forum for presenting recent progress in the space plasma physics of solar system bodies without measurable dynamo magnetic field. The interaction of Mars with the solar wind is mainly of the atmospheric type like Venus but with strong modifications of the local ionospheric structure by the crustal

fields. Their exosphere makes these planets also share common physical processes with comets. The interaction of Titan with the fast co-rotating plasma inside the magnetosphere of Saturn is another example of such interaction in a different parameter range. The session will be in particular devoted to recent results from Mars Express, Venus Express, and from Cassini around Saturn's moons including Titan, Enceladus, Rhea and others. Paper relating to Rosetta's Mars and asteroid flybys are also encouraged. Numerous open issues include upstream waves, plasma boundaries and their dynamics, atmospheric and ionospheric escape, influence of Martian crustal fields, etc. Recent results in data analysis and theoretical results, including numerical simulations are encouraged. Papers related to forthcoming space missions (including Rosetta at its comet target and New Horizons) or other future projects are also welcome.

Convener: Christian Mazelle. Co-Conveners: A.J. Coates, N. Terada

IV.06. Solar and interplanetary radio emissions

Div. IV

The main goal of this session is to present and discuss recent developments and achievements concerning non-thermal radio emissions from the Sun and the heliosphere, with their links with solar energetic particles events and/or CMEs. Contributions to theoretical, numerical and observational aspects are welcome. From the theoretical and numerical perspectives, topics cover all aspects concerning the modelling of radio, plasma wave and particle phenomena. From the observational point of view, new developments and results in the fields of ground-based giant radio telescopes (e.g. LOFAR, FASR) and space-borne observatories (STEREO, Wind, Ulysses) are encouraged.

Convener: Milan Maksimovic. Co-conveners: Bo Li, Dalmiro Maia

IV.07. Reporter reviews

Div. IV

This session contains reviews of recent advances, both theoretical and observational, on the Sun, solar wind, and heliosphere. Given by active researchers, these reviews will cover a comprehensive range of topics in a manner that is accessible to researchers from other IAGA Divisions, while offering synthesis and context to Division IV scientists. All talks in this session are by invitation only.

Convener: Mari Paz Miralles

V.01. Connecting space and ground-based magnetic data for scientific benefit

Div. V

In the early 21st century continuing advances in observatory practice, ongoing surveys, and unprecedented continuous monitoring by satellite missions present a wealth of geomagnetic data. Each type of observation has different advantages in terms of spatial and temporal coverage, amplitudes of the various sources recorded, and measurement accuracy. In order that maximum scientific benefit is extracted, strategies for combining these diverse data classes are required. Contributions are solicited describing how ground and space-based geomagnetic data might be effectively combined to improve scientific knowledge of the terrestrial magnetic field and its space environment. We welcome papers dealing with topics including the core-field, lithospheric field and induction effects as well as those studying ionospheric or magnetospheric current systems and solar-terrestrial interactions.

Convener: Christopher C. Finlay. Co-conveners: Manuel Catalan, Terence J. Sabaka

V.02. Geomagnetic observatory practice, instrumentation and network

Div. V

High-quality data from magnetic observatories are crucial to understand the evolution of the geomagnetic field on a variety of time-scales from seconds to centuries. This session aims at bringing together those who are involved in all aspects of data collection, from the measurements to making data available to the community. We invite contributions that examine these processes from all points of view. New contributions on magnetic observatory instrumentation, data collection and measurement practice, as well as the scientific evaluation of these observations are especially welcome.

Convener: Aude Chambodut. Co-conveners: Ikuko Fujii

V.03. Geomagnetic jerks and rapid core field variations

Divs V and I, SEDI

Despite some decades of studying geomagnetic jerks and some progress in understanding this phenomena, some of their characteristics are still in question. The session aims at discussing recent advances of our knowledge on the present state and recent evolution of the Earth's core. We welcome all contributions that open new ways to make inferences on this aspect of core dynamics. Improved combination and analysis of ground and satellite data may help us to make inferences on rapid temporal changes of the core field, from monthly to decadal scales. Comparison of flows within the liquid core with other geophysical and planetary parameters may also be very useful. Geodynamo models, both numerical and experimental, showing short-term variations would be particularly appropriate.

Convener: Mioara Manda. Co-convener: Richard Holme

V.04. Application, history and evolution of geomagnetic indices

Div. V

The first continuous recordings at magnetic observatories revealed the high morphological complexity and variability of the geomagnetic field transient variations. It was then discovered that the degree of smoothness of observed magnetic variations significantly change from one day to the other. The first geomagnetic indices thus aimed at characterizing the degree of disturbance of geomagnetic variations observed during a UT day. Two milestones mark the history of geomagnetic indices. The first one is the introduction by Bartels, Mayaud, and Sugiura of geomagnetic indices making it possible to achieve a quantitative monitoring of the various components of geomagnetic activity. The second one is the ongoing digital revolution that began at the turn of the millennium with the massive development of facilities for the acquisition and dissemination of digital magnetic data. For decades, geomagnetic indices proved to be efficient tools in Earth's magnetospheric and ionospheric dynamics, and still they do. In particular, geomagnetic indices are key data for Space Weather investigations. Recently, geomagnetic indices have also been used to study the long-term development of the Sun and the solar wind. These studies form an essential part of Space Climate. This session aims at revisiting the history of geomagnetic indices, in particular as a tribute to the fathers of modern geomagnetic indices. It also aims at making a panorama of the present situation in the field of geomagnetic indices: already proposed indices that take advantage of facilities of the digital era; user needs and scientific challenges; which indices for the future?

Convener: Michel Menvielle. Co-convener: Nandini Nagarajan

V.05. Improved modelling of the lithospheric magnetic field

Div. V

During the last years, the determination of magnetic fields has been improved thanks to the amount of available data from the Earth's surface to the satellite altitudes. Concerted international efforts to compile and publish existing data, like the World Digital Magnetic Anomaly Map project, represented a key motivation for merging airborne and satellite data. These improvements were also possible thanks to the development of new modelling techniques that were prompted by present and forthcoming satellite missions. This abundance of data offers unprecedented possibilities, as well as new challenges, to model the magnetic field at very various spatial scales. In this session, we invite contributions on all topics related to high resolution mapping and modelling of the magnetic field with a special focus on its lithospheric part using satellite, aeromagnetic and ground magnetic datasets (individually or jointly). We particularly welcome contributions that interpret high resolution spatial modelling and their physical processes at various altitudes.

Convener: Erwan Thebaud. Co-convener: Juha Korhonen

V.06. Tectonic interpretation of satellite, air-borne, ground and marine geomagnetic data

Div. V

The multitude of geomagnetic data available from satellite, ship- and air-borne, and ground observations are now available for geological and tectonic interpretation of the structure, composition and dynamics of the Earth's crust. Recently, much of this available data were combined together to derive the first ever World Digital Magnetic Anomaly Map (WDMAM) and is available to the geomagnetic community in digital form. We solicit contributions relating to the modelling and interpretational studies of any or a combination of the available geomagnetic data. We also invite papers relating to the interpretation of WDMAM map and new modelling strategies being developed for newer versions. Papers concerning high-resolution magnetic surveys especially in active tectonic environments are also welcome.

Convener: Kumar Hemant Singh. Co-convener: Isabel Blanco Montenegro, D. Ravat

V.07. Results from the decade of geopotential research and future prospects

Div. V

The 'Decade of Geopotential' Research, inaugurated with the launch of Ørsted in 1999, and continuing with CHAMP, is an international effort to promote and coordinate a continuous monitoring of the geopotential (magnetic and gravity) field variability in the near-Earth environment. This year will mark the end of the Decade, and this session is intended both as a retrospective on the accomplishments to date from the high quality data returned from several near-Earth satellites, and an opportunity to look forward to future geopotential field missions such as the three-satellite constellation mission Swarm, scheduled for launch in 2011. Combined with ground based data, the new data has opened numerous opportunities for studies ranging from core flow, mantle conductivity, lithospheric composition and ocean flow to the dynamics of ionospheric and magnetospheric currents. Contributions to these topics and the new satellite missions are solicited for this session.

Convener: Michael Purucker. Co-convener: Nils Olsen, Vincent Lesur

V.08. Reporter reviews

Div. V

This session is composed of invited papers which review important progress, innovation or discovery in observation, modelling and interpretation of the geomagnetic field. All Division-V research topics are covered: geomagnetic data acquisition systems; magnetic field observations (ground and satellite measurements and survey programs); field modelling and interpretation; geomagnetic indices; data dissemination and analysis; all in the context of improved understanding of the geomagnetic field and its sources.

Convener: Alan Thomson. Co-convener: Monika Korte

DC.01. Atmospheric coupling processes in the equatorial region

ICDC

Convective processes occurring in the equatorial atmosphere play important roles in the various upper layers of the atmosphere owing to a spectrum of waves they generate at lower levels. A variety of field experiments conducted over Indonesia, India and Brazil has demonstrated the role of tropical convection in the dynamical coupling of atmospheric and ionospheric regions over the tropics. Radio occultation experiments performed on LEO satellites have yielded useful information on tropospheric and stratospheric gravity waves originating from various sources. A number of rocket experiments performed in India have led to quantification of gravity wave contributions to the middle atmospheric SAO and QBO. GCMs have begun to address gravity wave effects by resolving them in high spatial and temporal scales. This symposium aims to address the recent advances made in our understanding of the generation and propagation characteristics of small-, intermediate-scale and large-scale wave motions generated in the lower and middle atmosphere. Papers that deal with electrical processes of lower atmospheric origin that produce noticeable transient effects in the mesosphere are also solicited.

Convener: S. Gurubaran. Co-convener: T. Nakamura, D.V. Pancheva

DC.02. Low latitude ionosphere-thermosphere system in quiet and magnetically disturbed periods

ICDC and Div. II

Sources that contribute to the day-to-day variability of the low latitude ionosphere-thermosphere system during quiet periods need to be identified in order to quantify changes in the low latitude ionosphere and thermosphere, which arise due to magnetic activity. Further, the roles of promptly penetrating and disturbance dynamo electric fields in the low latitude ionosphere are yet to be understood. This session seeks papers that present new results on the variability of the low latitude ionosphere-thermosphere system during quiet periods; observations of the effects of magnetic activity on low latitude ionosphere/thermosphere, and modeling of the associated physical processes. In particular, case studies from different longitude regions are encouraged. *Convener: A. Bhattacharya. Co-conveners: H. Takahashi, V. Doumouya*

H.01. von Humboldt's legacy after 150 years

IDCH and Divs I and V

The year 2009 marks the 150th anniversary of the death of Alexander von Humboldt (1769-1859), the renowned German natural philosopher. This session of invited talks focuses on von Humboldt's contributions to geomagnetism and aeronomy, including his influence on Gauss's studies, role in establishment of the Magnetic Union, and catalytic function for the birth of solar-terrestrial physics. In addition, speakers will examine broader topics surrounding von Humboldt such as generalists vs. specialists in science and the evolution of a scientific reputation over time. Contributed talks will be given in an associated poster session.

Convener: Edward W. Cliver. Co-convener: Wilfried Schröder

H.02. History of geomagnetic observations, observatories, & indices

IDCH and Divs. I and V

This session of invited talks will trace the history of the study of earth's magnetism including: Gilbert's De Magnete, early studies of geomagnetic activity by Graham and Celsius, Gauss and Weber's Magnetic Union, Sabine's British Colonial Observatories, establishment of the solar-terrestrial connection, Bartels' development of geomagnetic indices, and the modern Intermagnet and space borne observation programs. Contributed talks will be given in an associated poster session.

Convener: Gregory A. Good. Co-convener

IGA Special Sopron Book Series By Springer

Springer Science+Business Media, a key partner of the International Year of Planet Earth (IYPE), will publish the official IGA Special Sopron Book Series as a sub-series to the IYPE series as a legacy to the Year. The new book sub-series will enhance Springer's growing Earth sciences publishing program, which consists of journals, textbooks, monographs, reference works, handbooks and encyclopedias.

The scientific IGA book series will reflect the 5 divisions of IGA (The International Association of Geomagnetism and Aeronomy), in their broadest sense respectively (I) Internal Magnetic Fields, (II) Aeronomic Phenomena, (III) Magnetospheric Phenomena, (IV) Solar Wind and Interplanetary Field, and (V) Geomagnetic Observatories, Surveys and Analyses.

Approximately five book volumes are being developed and planned for 2010:

- The Earth's Magnetic Interior
- The Upper Atmosphere and the Ionosphere
- The Magnetosphere
- The Sun, the Solar Wind, and the Heliosphere
- Geomagnetic Observations and Models

The books will present contemporary and innovative research authored by some of the world's top scientists, instigated by the 11th Scientific Assembly of IGA.

Springer is delighted to be a partner in this important global initiative, and we are very much looking forward to supporting the IGA and publishing the book series.

The International Year of Planet Earth aims to ensure greater and more effective use by society of the knowledge accumulated by the world's 400,000 Earth scientists. The Year's ultimate goal - helping to build safer, healthier and wealthier societies around the globe - is expressed in the Year's subtitle "Earth Sciences for Society." The International Year of Planet Earth is a joint initiative by UNESCO and the International Union of Geological Sciences. Running through to December 2009, the Year also enjoys the full political support of 191 UN countries.

Springer is the second-largest publisher of journals in the science, technology, and medicine (STM) sector and the largest publisher of STM books. It publishes on behalf of more than 300 academic associations and professional societies. Springer is part of Springer Science+Business Media, one of the world's leading suppliers of scientific and specialist literature. The group publishes over 1,800 journals and more than 5,500 new books a year, as well as the largest STM eBook Collection worldwide. Springer has operations in over 20 countries in Europe, the USA, and Asia, and some 5,500 employees.

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	Chair of InterDivisional Working Group on Education and Outreach: Emily Cobabe-Ammann (USA), email: ecobabe@lasp.colorado.edu

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Design: Márton Juhász

Acknowledgement

The organising institute (Geodetic and Geophysical Research Institute of Hungarian Academy of Sciences) would like to express their special acknowledgement to the still active Foundation Fathers of the institute: Antal (known as Tóni) Ádám (o.m.), Pál Bencze, Ákos Wallner. In the fall of 2009, just in a few weeks after the Assembly, all the three will be eighty years old. József Verő (o.m.) was 75 years old in the year before the IAGA 11th Scientific Assembly; Ferenc Márcz became 75 years old in summer of 2009. The present staff - under the pressure of the organisation duties – did not and will not have capacity to organise special anniversary events to celebrate them. Instead, and therefore, we would like to declare the IAGA 11th Scientific Assembly as their big Birthday Party!

We are proud of them and wish them many happy years to follow.

Local Organising Committee

Hotels Lövér and Fagus – Downton

(TRAVEL TIME: APPR. 15 MIN)

FROM HOTELS LÖVÉR AND FAGUS TO DOWNTOWN

04.41 (No 1),
05.08 (No 15A), 05.21 (No 1), 05.37 (No 2), 05.51 (No 1),
06.05 (No 15A), 06.21 (No 1), 06.32 (No 2), 06.41 (No 1), 06.55 (15),
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*Recommended last getting off from No 15 is „Mátyás király utca, Deák tér”,
since its next stop („Móricz Zsigmond utca”) will be to the East of the downtown.*

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04.28 (No 1), 04.53 (No 2),
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SAT-SUN 05.07 (No 1), 05.37 (No 1), 05.52 (No 2),
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22.22 (No 2), 22.37 (No 1).

Departure time from Várkerület (Mária-Szobor) =

Departure time from Erzsébet Street – 3 Min

HOTEL SZIESZTA – DOWNTOWN (TRAVEL TIME: APPR. 12 MIN)

FROM SZIESZTA TO DOWNTOWN

MON-TUE-WED-THU-FRI 5.11 (No 15A), 5.43 (No 2),
6.08 (No 15A), 6.35 (No 2), 6.58 (15),
7.15 (No 2), 7.35 (No 2), 7.55 (No 2),
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21.07 (No 2), 21.40 (No 2),
22.12 (No 2), 22.40 (No 2).

FROM DOWNTOWN (ERZSÉBET STREET) TO HOTEL SZIESZTA

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05.08 (No 1), 05.38 (No 1),
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SAT-SUN 06.10 (No 2), 06.40 (No 2),
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20.10 (No 2), 20.40 (No 2),
21.10 (No 2), 21.40 (No 2),
22.10 (No 2), 22.40 (No 2).

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Zsigmond utca”) will
be to the East of the
downtown.*

*Departure time from Várkerület
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AARSNES, K.	307-TUE-01600-0938	ALVA-VALDIVIA, L.	117-FRI-01615-0740	ANTUNES, C. E.	306-THU-01145-0346
AASNES, A.	302-MON-P1714-1056	ALVA-VALDIVIA, L. M.	111-TUE-P1045-0936	ANTUNES, C. E.	501-FRI-P1700-0170
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ABBAS, A. M.	104-THU-P1645-3383	AMATA, E.	304-FRI-P1700-0806	APATENKOV, S.	302-MON-P1707-1196
ABALLA, M. A.	304-FRI-00945-0662	AMBADE, B.	D01-WED-P1700-0444	APPEL, E.	506-SAT-P1500-1348
ABDEL-MONEIM, M.	506-SAT-P1405-0082	AMEEN, A.	502-MON-P1700-0162	ARAKI, T.	310-SAT-P1705-0726
ABDEL-MONEIM, M.	103-TUE-00915-0081	AMM, O.	507-WED-P1700-0519	ARAKI, T.	043-SAT-01130-0601
ABDELSALAM, M.	104-THU-01415-0347	AMORIM, D.	206-FRI-P1706-0133	AREF, A.	506-SAT-00945-0542
ABDU, M. A.	D02-SAT-01115-0598	AMORY-MAZAUDIER, C.	102-MON-01100-0302	ARMADILLO, E.	106-TUE-P1700-0409
ABDU, M. A.	403-SAT-01130-0601	AMORY-MAZAUDIER, C.	D02-SAT-01630-0299	ARNOLD, N. F.	201-MON-01130-0985
ABDU, M. A.	D02-SAT-P1700-0230	AMORY-MAZAUDIER, C.	D02-SAT-P1700-0306	ARNONE, E.	201-MON-01130-0985
ABDU, M. A.	204-THU-01445-0495	AN Z- C.	505-TUE-P1700-0001	ARORA, B. R.	106-TUE-P1700-0294
ABDU, M. A.	206-FRI-01515-0619	ANAHNAH, F.	106-TUE-01415-1191	ARORA, B. R.	106-TUE-P1700-1093
ABDU, M. A.	206-SAT-00930-0420	ANAHNAH, F.	106-TUE-P1700-1174	ARRIDGE, C.	308-FRI-00845-1078
ABDU, M. A.	206-SAT-01030-0597	ANAHNAH, F.	106-TUE-P1700-1190	ARRIO, M. A.	115-WED-01415-0737
ABDU, M. A.	206-FRI-P1700-0334	ANAND, S. P.	505-TUE-01030-0121	ARSLAN, S.	106-FRI-P1700-0716
ABDU, M. A.	206-FRI-P1701-0343	ANAND, S. P.	506-SAT-00900-0122	ARUMUGAM, S.	304-FRI-P1700-0377
ABDU, M. A.	206-FRI-P1712-1289	ANAND, S. P.	506-SAT-P1400-0075	ARUNACHALAM, A. T.	118-THU-P1530-1123
ABDU, M. A.	D02-SAT-01545-0061	ANASTASIADIS, A.	305-MON-P1100-0699	ARVIL, S.	303-FRI-01330-0385
ABDU, M. A.	D02-SAT-P1700-0328	ANASTASIADIS, A.	306-THU-01530-1089	ARZATE, J.	106-TUE-01415-1191
ABE, S.	307-TUE-P1700-0890	ANASTASIADIS, A.	501-FRI-P1700-0829	ARZATE, J. A.	106-TUE-P1700-1174
ABE, T.	303-THU-01600-0569	ANBARASU, K.	104-THU-01045-0191	ASADA, M.	117-FRI-P1700-1001
ABEL, G.	304-FRI-P1700-0846	ANDERSON, B.	304-FRI-01600-1180	ASANO, Y.	302-MON-P1700-1014
ABEL, G. A.	302-MON-P1716-0674	ANDERSON, B.	307-TUE-01545-1199	ASARI, S.	101-MON-01045-0492
ABLES, S.	208-FRI-01400-0816	ANDERSON, B. J.	307-TUE-01645-0507	ASARI, S.	503-TUE-01545-0491
ABLES, S. T.	310-SAT-01430-0781	ANDERSON, D.	D02-SAT-01400-0357	ASCHWANDEN, M. J.	401-MON-01400-1010
ABLES, S. T.	310-SAT-01030-1286	ANDERSON, P.	303-THU-01630-0673	ASENSIO, E.	106-TUE-01415-1191
ABO, M.	202-THU-P1700-1265	ANDERSON, P.	305-TUE-01145-0429	ASENSIO, E.	106-TUE-P1700-1190
ABRAJEVITCH, A.	114-FRI-01100-0660	ANDERSON, P.	305-TUE-01545-0762	ASHAQAE, M.	502-MON-P1700-0150
ABRAJEVITCH, A.	116-THU-P1700-0661	ANDERSON, R. R.	307-TUE-01530-0085	ASHAQAE, M.	502-MON-P1700-0151
ABRANIN, E. P.	406-WED-01330-1098	ANDONOV, B.	204-THU-01415-0119	ASHAQAE, M.	502-MON-P1700-0151
ABREU, J.	404-FRI-01330-1359	ANDONOV, B.	D01-WED-01445-0118	ASHFAQUE, M.	502-MON-P1700-0162
ACHY, A. S.	102-MON-01100-0302	ANDONOV, B.	206-SAT-01045-0117	ASHOUR-ABDALLA, M.	302-MON-01445-0756
ACTON, G.	117-FRI-01415-0752	ANDRE, M.	301-MON-01330-0622	ASKAINEN, T.	302-MON-P1717-1087
ACUNA, M. H.	310-SAT-01645-0507	ANDRE, M.	301-MON-01430-0480	ASKAINEN, T.	401-MON-01430-1088
ADAM, A.	107-WED-P1700-1326	ANDRE, M.	302-MON-P1710-1014	ASKAINEN, T.	205-WED-01415-1085
ADAM, A.	103-TUE-P1030-0034	ANDRE, M.	302-MON-P1715-0570	ASIMPOPOLOS, L.	502-MON-P1700-0791
ADAM, A.	103-TUE-00930-0787	ANDRE, M.	304-SAT-01600-0883	ASTAFYEVA, E.	204-WED-P1716-0298
ADAM, A.	106-TUE-P1700-0646	ANDRIOLI, V. F.	210-WED-01400-0138	ASTAFYEVA, E.	204-WED-P1717-0956
ADAM, A.	115-WED-01030-0645	ANDRIOLI, V. F.	204-THU-01445-0495	ASTAFYEVA, E.	206-FRI-P1716-0304
ADIGUZEL, A.	106-TUE-P1700-0716	ANDRIOLI, V. F.	204-WED-P1700-0132	ATANAKOVIC, O.	406-WED-01445-1236
AFRAIMOVICH, E. L.	204-WED-P1717-0976	ANEKALLU, C.	304-FRI-01030-0668	ATANASIU, L.	505-TUE-00845-0241
AGAYAN, S.	502-MON-P1700-0459	ANGELLER, J.	506-SAT-P1430-0478	ATKRAWNA, E.	104-THU-01415-0347
AGAYAN, S.	504-THU-P1730-0514	ANGELLER, J.	111-TUE-1125-0477	ATES, A.	506-SAT-01445-0021
AGUSTAN	106-TUE-01600-1248	ANGELOPOULOS, V.	301-MON-00830-0884	AUBERT, J.	101-MON-00900-0826
AHMADI, T.	118-THU-P1530-0055	ANGELOPOULOS, V.	301-MON-01615-0735	AUBERT, J.	101-MON-00945-0853
AHAMMOU, M.	106-TUE-P1700-1190	ANGELOPOULOS, V.	302-MON-00830-0264	AUBERT, J.	101-MON-P1700-0845
AKIHIRI TAKEUCHI, A.	105-FRI-P1700-0971	ANGELOPOULOS, V.	302-MON-00915-0192	AUBERT, J.	114-FRI-01030-1071
AKIN, U.	106-TUE-P1700-0716	ANGELOPOULOS, V.	302-MON-00930-1266	AUBRECHT, R.	113-MON-01600-1369
AKIRA, K.	204-THU-P1700-0844	ANGELOPOULOS, V.	302-MON-00945-0865	AULANIER, G.	404-FRI-00945-0497
ALABODADAM, M. A.	201-MON-00900-0006	ANGELOPOULOS, V.	302-MON-01030-0511	AUSTER, H.-U.	302-MON-00830-0264
ALBERT, A.	306-THU-01545-1007	ANGELOPOULOS, V.	302-MON-01415-0428	AUSTER, U.	302-MON-01415-0428
ALBERT, A.	306-THU-01615-0887	ANGELOPOULOS, V.	302-MON-01400-1133	AVDEEVA, A.	107-WED-01630-0680
ALBERT, J.	307-TUE-01415-0580	ANGELOPOULOS, V.	302-MON-01530-0955	AVDEY, H. C.	D02-SAT-01545-0061
ALBERT, J. M.	307-TUE-01445-0668	ANGELOPOULOS, V.	302-MON-P1700-0362	AVIRO, H. C.	D02-SAT-P1700-0328
ALEKSANOVA, E.	118-THU-P1530-0072	ANGELOPOULOS, V.	302-MON-P1705-0587	AVIRO, H. C.	D02-SAT-P1700-0329
ALEKSASHOV, D.	402-TUE-01430-1115	ANGELOPOULOS, V.	302-MON-P1707-1196	AVIRO, H. C.	206-FRI-P1714-0332
ALEX MARCUJELLO	105-FRI-P1700-1096	ANGELOPOULOS, V.	302-MON-P1712-0049	AVERY, S. K.	404-FRI-01400-1358
ALEX, S.	D01-WED-P1700-0197	ANGELOPOULOS, V.	302-MON-P1713-0864	AWAD, S.	104-THU-P1555-0382
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ALEX, S.	D02-SAT-01100-0127	ANGELOPOULOS, V.	304-FRI-01100-0899	AYDOGAN, O.	501-FRI-P1700-1054
ALEX, S.	206-SAT-01630-1179	ANGELOPOULOS, V.	304-FRI-01445-0430	AZAMBUJA, R. R.	201-MON-01415-1302
ALEXANDER, M. J.	204-WED-01030-0658	ANGELOPOULOS, V.	305-TUE-01430-0757	AZEEM, S. M. I.	204-WED-01415-0765
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ALEXEYEV, V.	303-THU-P1700-0432	ANGELUCCI, D. E.	114-FRI-P1700-1201	B	
ALEXEYEV, V.	305-TUE-P1704-0513	ANISIMOV, S. V.	201-MON-01600-0340	BABA, K.	105-FRI-P1700-1068
AL-HALBOUNI, D.	105-FRI-P1700-0523	ANNA MARTI	105-FRI-P1700-1096	BABA, K.	107-WED-P1700-0694
ALKEN, P.	206-FRI-P1708-0933	ANTONIC, V.	116-THU-P1700-1311	BABEK, O.	506-SAT-P1450-1101
ALMEIDA, A. A.	306-THU-P1702-0840	ANTONITA, T. M.	D01-WED-01630-0371	BACHMANN, A. J. F.	204-THU-01445-0495
ALMEIDA, P. D. S. C.	D02-SAT-P1700-0328	ANTONOVA, E.	301-MON-00945-0035	BADDELEY, L.	303-THU-P1700-1200
ALMEIDA, P. D. S. C.	D02-SAT-P1700-0329	ANTONOVA, E.	310-SAT-P1707-0161	BADGLEY, C.	116-THU-P1700-0661
ALMEIDA, P. S. C.	206-FRI-P1714-0332	ANTONOVA, E. E.	302-MON-00900-0044	BAGESTON, J. V.	D02-SAT-01545-0061
ALMOVIST, B. S. G.	111-TUE-00930-0675	ANTONOVA, E. E.	305-MON-01130-0043	BAGLAENKO, N.	106-TUE-01530-0191
				BAGLAENKO, N.	107-WED-P1700-0902

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BAHR, K.	102-MON-P1120-0505	BEER, J.	404-FRI-01330-1359
BAHR, K.	105-FRI-00830-0453	BEGGAN, C.	505-FRI-P1700-0728
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BAHR, K.	105-FRI-P1700-0523	BEHRENSMEYER, A. K.	116-THU-P1700-0611
BAHR, K.	105-FRI-P1700-0563	BEIG, G.	203-TUE-01100-0381
BAILEY, G. J.	206-FRI-09155-0619	BOKTAS, O.	506-SAT-01145-0021
BAILEY, S. M.	202-THU-P1030-0482	BOKTAS, O.	506-SAT-P1420-0384
BAILEY, S. M.	202-THU-01445-0504	BELAKHOVSKY, V. B.	205-WED-P1703-0390
BAILEY, S. M.	202-THU-01645-0975	BELETSKY, A.	204-THU-01345-0444
BAILEY, S. M.	204-THU-01430-0460	BELOFF, N.	501-FRI-01100-0009
BAILLIE, O.	502-MON-00930-1130	BELEYAEV, A.	204-WED-P1703-0559
BAILLIE, O.	504-THU-01030-0713	BENZCE, P.	208-FRI-01145-0319
BAJUSZ, I.	118-THU-P1530-0252	BENESOVA, N.	105-FRI-09915-0071
BAJUSZ, I.	118-THU-P1530-0707	BENMAKHLOUF, M.	106-TEU-P1700-1190
BAJUSZ, I.	118-THU-P1530-0252	BERARDUCCI, A.	310-SAT-01115-0998
BAKER, D. N.	304-FRI-01400-0964	BERARDUCCI, A.	502-MON-01100-0030
BAKER, D. N.	307-TEU-00915-0457	BERARDUCCI, A. M.	502-MON-00900-0050
BAKER, D. N.	307-TEU-01445-0668	BERDICHEVSKY, M.	106-TUE-05130-0910
BAKER, J. B. H.	304-FRI-P1700-0527	BERGER, M. A.	403-FRI-01145-0274
BAKHUMUTOV, V. G.	112-SAT-P1330-0664	BERGER, U.	202-THU-01045-0900
BALAN, N.	403-SAT-01100-0065	BERGER, U.	204-WED-P1706-0994
BALAN, N.	D02-SAT-P1030-0038	BERGHMANS, D.	401-MON-01430-1080
BALAN, N.	206-SAT-01430-0037	BERGUIC, M. C.	118-THU-P1530-1339
BALASCO, M.	102-MON-01045-1215	BERKENBOSCH, H.	506-SAT-00830-1246
BALASCO, M.	106-TEU-01615-1341	BERNAR, P.	506-SAT-P1425-0467
BALASIS, G.	102-MON-00900-1330	BERNARD, A.	106-TEU-P1700-0640
BALASIS, G.	305-MON-01100-0699	BERNARD, P.	106-TEU-P1700-0641
BALASIS, G.	501-FRI-P1700-0829	BERQUO, T. S.	111-THU-01135-0743
BALE, S. D.	404-FRI-01030-0923	BERRIOS, D.	306-THU-01630-1143
BALE, S. D.	406-WED-01430-0880	BERTHELIER, J.-J.	307-TEU-01630-0256
BALKHIN, M.	301-MON-01415-0993	BERTHELIER, J.-J.	205-WED-01105-0255
BALLANI, L.	501-FRI-P1700-0691	BERTONI, F. C. P.	204-THU-01645-1204
BALLANI, L.	503-FRI-P1700-0689	BERTUCCI, C.	405-WED-01100-1360
BALOGH, A.	302-MON-P1715-0570	BERTUCCI, C.	405-WED-01130-1090
BALUKU, T. K.	308-FRI-00930-0535	BERTUCCI, C.	405-WED-01430-1360
BANKOV, L.	203-TEU-P1700-0231	BESPALOV, P.	307-THU-01400-0276
BANKOV, L.	204-WED-01445-0228	BESSER, B. P.	H02-FRI-01000-1178
BARABASH, S.	403-FRI-01600-1334	BESUTIU, L.	505-TEU-00845-0241
BARABASH, S.	405-WED-01330-0216	BESUTIU, L.	506-SAT-01330-0422
BARABASH, S.	405-WED-01530-0260	BETZ, H.-D.	201-MON-00945-0257
BARABASH, S.	405-WED-01600-1029	BETZ, H.-D.	201-MON-P1700-0222
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BARCKHAUSEN, U.	506-SAT-00830-1246	BHATNAGAR, V. P.	202-THU-P1700-0446
BARDEEN, C. G.	202-THU-01445-0504	BHATTACHARJEE, A.	402-TUE-01345-0626
BARKOV, A.	401-TEU-01600-0331	BHATTACHARYA, A.	307-TEU-P1700-0890
BARTA, V.	201-MON-P1700-0226	BHATTACHARYA, A.	206-SAT-01530-1052
BASAVA, S.	106-TEU-P1700-0433	BHONSALE, R. V.	D01-WED-P1700-0200
BASOKUR, A. T.	106-TEU-P1700-0716	BIEBER, J.	401-MON-P1700-0505
BATALEV, V.	106-TEU-01530-0910	BIGGIN, A.	112-SAT-P1330-0671
BATALEV, V.	106-TEU-P1700-0600	BIKTASH, L.	303-THU-01430-0310
BATALEVA, E.	106-TEU-P1700-0600	BIKTASH, L.	307-TEU-P1700-0303
BATALOV, P.	503-TEU-P1700-0615	BIKTASH, L.	504-THU-01645-0308
BATCHAROV, D.	306-THU-P1700-0316	BIKTASH, L.	504-THU-P1703-0126
BATISTA, I.	206-SAT-01600-0053	BILIM, F.	506-SAT-01145-0021
BATISTA, I. S.	206-FRI-00915-0619	BIRN, J.	305-TUE-09915-1208
BATISTA, I. S.	206-SAT-00930-0420	BIRN, J.	311-WED-01330-0748
BATISTA, I. S.	206-SAT-01030-0597	BITTENCOURT, J. A.	D02-SAT-01430-0023
BATISTA, I. S.	206-FRI-P1701-0343	BITTENCOURT, J. A.	D02-SAT-P1700-0071
BATISTA, I. S.	206-FRI-P1712-1289	BITTENCOURT, J. A.	D02-SAT-P1700-0071
BATISTA, J. A.	118-THU-P1530-0921	BITTNER, M.	203-TUE-00930-0808
BATISTA, P.	D01-WED-P1700-0577	BITTNER, M.	203-TUE-01030-0893
BATISTA, P. B.	D02-SAT-P1700-0329	BITTNER, M.	203-TEU-P1700-0891
BATISTA, P. P.	D01-WED-01530-0551	BITTNER, M.	204-WED-01600-0088
BATISTA, P. P.	D01-WED-01645-0093	BLAGAU, A.	402-TEU-01100-0087
BATISTA, P. P.	D01-WED-P1700-1116	BLANCO, J. A.	118-THU-P1530-0921
BATISTA, P. P.	D01-WED-P1700-1288	BLANCO-MONTENEGRO, I.	506-SAT-01115-1166
BATISTA, P. P.	203-TEU-01430-0827	BLIX, T.-A.	202-THU-01600-0860
BATISTA, P. P.	204-WED-01400-0138	BOAKES, P. D.	302-MON-P1716-0676
BATISTA, P. P.	204-WED-P1700-0132	BOARDSSEN, F.	310-SAT-01645-0507
BATISTA, P. P.	206-FRI-P1712-1289	BOGALO, M.-F.	112-SAT-P1330-0531
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BAUMGAERTNER, A. J. G.	205-WED-01430-0521	BOGDANOV, V. V.	304-THU-01430-0319
BAUMGARTEN, G.	202-THU-01045-0900	BOGDANOVA, Y. V.	311-MON-01130-0067
BAUMGARTEN, G.	202-THU-01145-1139	BOGOMOLOV, A. V.	307-TUE-00930-0257
BAUMJOHANN, W.	301-MON-01330-0627	BOGOMOLOV, A. V.	307-TEU-P1700-0371
BAUMJOHANN, W.	302-MON-P1705-0587	BOGOUTDINOV, S.	502-MON-P1700-0450
BAUMJOHANN, W.	302-MON-P1708-0931	BOGOUTDINOV, S.	504-THU-P1730-0514
BAUMJOHANN, W.	302-MON-P1709-1294	BOGOUTDINOV, S.	106-TEU-P1700-0641
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BAUMJOHANN, W.	302-MON-P1711-1018	BOKA, K.	102-MON-01100-0303
BAVASSANO CATTANEO, M. B.	301-MON-01130-0673	BOKA, K.	D02-SAT-P1700-0305
BAVASSANO, Z.	405-SAT-00830-0189	BOKA, K.	D02-SAT-P1700-0306
BEBESI, S.	405-WED-01630-1070	BOLDI, R.	201-MON-00930-0708

BOLDI, R.	203-MON-1700-0192
BONDAR, T. N.	501-TUE-P1700-0608
BONELLI, E.	206-SAT-01615-1273
BONELLI, E.	206-FRI-P1709-1120
BONET, J. A.	401-MON-01100-0895
BONEVA, A.	306-TUE-P1700-0316
BONNELI, J.	305-TUE-01430-0757
BONNELI, J.	302-MON-01030-0511
BONNELI, J.	307-TUE-01430-1275
BONOMO, N.	104-THU-P1620-0572
BÖR, J.	201-MON-00930-0879
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BÖR, J.	201-MON-01700-0226
BORGAZZI, A. I.	403-FRI-P1700-0945
BORDINI, P.	502-MON-P1700-0162
BORRIES, C.	204-THU-01330-0479
BORTNIK, J.	307-TUE-01430-1275
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BROZZOTA, E.	103-TUE-P1035-0095
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BOSKA, J.	204-WED-P1727-0663
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BOSQUED, J.-M.	306-TUE-01600-0883
BOSTAN, S.	106-TUE-P1700-0716
BOUDOURIS, A.	303-THU-01630-0761
BOUDOURIS, A.	305-TUE-01545-0762
BOUDOURIS, T.	304-FRI-01445-0430
BOULVAIN, F.	116-THU-01445-0999
BOUNDS, S. R.	303-FRI-01615-0676
BOURDARIE, S.	304-FRI-01400-0964
BOURDILLON, A.	204-WED-P1715-0704
BOURNAS, N.	506-SAT-00830-1246
BOZZO, E.	106-TUE-P1700-0409
BÖHNEL, H.	112-SAT-00930-1170
BÖRNER, R.-U.	107-WED-01415-0648
BRADLEY, L.	306-TUE-01430-1095
BRAIN, V.	106-THU-P1700-1279
BRAIN, V.	106-TUE-P1700-1282
BRÄITENBERG, C.	103-TUE-P1105-0813
BRAJSA, R.	403-FRI-01100-1025
BRAMBLES, O.	303-THU-01615-1136
BRANDLEIN, D.	106-TUE-P1700-0623
BRANDSTRÖM, U.	303-THU-P1700-1153
BRANDSTRÖM, U.	303-FRI-01630-0520
BRANDT, P. C.	304-FRI-P1700-0968
BRANDT, P. C.	304-FRI-P1700-0806
BRANDT, P. C.	308-FRI-00915-1239
BRASSE, H.	103-TUE-00900-0992
BRASSE, H.	105-FRI-01130-1229
BRASSE, H.	106-TUE-01430-1077
BRASSE, H.	106-TUE-P1700-0623
BRAUER, P.	505-TUE-00915-0943
BRAUER, P.	507-WED-01400-0941
BREMER, J.	303-TUE-01530-1062
BRENNER, S.	205-WED-P1710-0351
BRENES, J. J.	502-MON-P1700-0162
BRESTENSKY, K.	101-MON-01545-0339
BRIGUEU, L.	501-FRI-P1700-1197
BRITO, T.	307-TUE-00830-1357
BROUGHTON, M.	301-SAT-01545-0854
BROWN, L.	117-FRI-01600-0917
BROWN, M. C.	114-FRI-00830-0922
BRÖZENA, J.	506-SAT-00830-1246
BRUM, C. G. M.	206-SAT-01030-0597
BRUNDELL, J. B.	302-MON-P1702-0274
BRUNDELL, J. B.	201-MON-01415-0989
BRUNINI, C.	303-THU-01445-1181
BRUNINI, C.	D02-SAT-P1700-0050
BRUNTZ, R.	304-FRI-00930-0747
BUCHERT, S.	301-MON-01600-0178
BUCHERT, S.	303-THU-P1700-1200
BUNCE, E.	311-WED-01600-1023
BURESOVA, D.	D02-SAT-01145-0652
BURESOVA, D.	204-WED-P1719-0711
BURESOVA, D.	204-WED-P1723-0666
BURESOVA, D.	204-WED-P1721-0769
BURINSKAYA, T.	306-THU-P1703-0042
BURINSKAYA, T.	306-THU-P1704-0914
BURITI, R. A.	D01-WED-01645-0093
BURTNY, P.	117-FRI-P1700-1045
BUST, G.	301-SAT-01400-0920
BUYUKSARAC, A.	506-SAT-01145-0021
BUYUKSARAC, A.	506-SAT-P1420-0384
BÜCHNER, J.	401-MON-01415-0315
BÜHLER, J.	304-THU-01530-1030

CYCHKOV, V. V.	303-THU-P1700-1017
CABALLERO-MIRANDA, C. I.	111-TUE-P1045-0936
CABELLO, I.	401-MON-01100-0895
CAFARELLA, L.	502-MON-00845-1328
CAFARELLA, L.	502-MON-P1700-1156
CAFARELLA, L.	504-THU-P1730-1329
CAIRNS, I. H.	401-MON-01615-0181
CAIRNS, I. H.	402-TUE-01030-0181
CAIRNS, I. H.	406-WED-01100-0392
CAIRNS, I. H.	406-WED-01115-0064
CAIRNS, I. H.	406-WED-01530-0180
CALVO-RATHERM, M.	112-SAT-P1330-0531
CAMINHA-MACIEL FILHO, G.	114-FRI-P1700-1176
CAMPOS, A.	306-FRI-01145-0334
CAMPOS, A.	201-MON-P1700-0616
CAMPS, P.	112-SAT-01100-0387
CANDANSAYAR, M. E.	102-TUE-P1700-0716
CANDIDO, C. M. N.	102-SAT-P1700-0716
CANET, E.	001-MON-00930-1235
CANET, E.	507-WED-01430-1177
CANON-TAPIA, E.	111-TUE-P1050-0884
CAO, C.	115-WED-01530-1026
CAO, J.	302-MON-01415-0957
CARATORTI FONTINI, F.	506-FRI-00830-1246
CARBARY, J. T.	308-FRI-00915-1239
CARLOTTI, M.	201-MON-01130-0985
CARLSON, C.	302-MON-01145-0428
CARLSON, C.	304-FRI-01100-0898
CARLSON, C. W.	302-MON-00915-0912
CARRANCHO, A.	112-SAT-P1330-0531
CARRANCHO, A.	114-FRI-P1700-1201
CARRERERO, J. M.	114-FRI-P1700-1201
CARSON, B.	307-TUE-01630-0256
CAVALHO LIMA, W. L.	402-SAT-P1700-0070
CARVALLO, C.	115-WED-01415-0737
CASAS, A. M.	111-TUE-01030-0407
CASAS, A. M.	111-TUE-00900-0120
CATALAN, M.	505-TUE-00900-0526
CATALAN, M.	506-SAT-P1440-0678
CATALAN, M.	508-FRI-01400-0677
CAYTON, T.	205-WED-01330-1269
CEZACU, B.	116-THU-P1700-1041
CHACON, C.	406-WED-01345-0898
CEDRINA, L.	104-THU-P1620-0572
CERV, V.	103-TUE-P1045-0701
CERV, V.	105-FRI-P1700-0830
CERV, V.	103-TUE-00900-0992
CERV, V.	103-TUE-P1045-0701
CHA, C. K.	206-FRI-01100-0022
CHABASSIERE, M.	103-FRI-01615-0676
CHADIMA, M.	113-MON-01330-0832
CHALOUAN, A.	106-TUE-P1700-1190
CHALOV, S.	402-TUE-P1600-1126
CHAMBERLIN, P. C.	204-THU-P1430-0468
CHAMBOODUT, A.	502-MON-00845-1328
CHAMBOODUT, A.	502-MON-P1700-1156
CHAMBOODUT, A.	504-FRI-P1730-1329
CHAMBOODUT, A.	508-FRI-01330-0632
CHAN, A.	402-TUE-01345-0626
CHANG, C.-P.	506-SAT-P1430-0478
CHANIRON, O.	201-MON-P1700-1345
CHANTEUR, G. M.	405-WED-01030-1342
CHANTEUR, G. M.	405-WED-01400-1343
CHAO, K.	106-TUEP1700-0365
CHAPARRO, M. A. E.	116-THU-01115-0148
CHAPARRO, M. A. E.	116-THU-P1700-1147
CHASTON, C. C.	303-FRI-01530-1172
CHATTERJEE, A.	103-TUE-P1055-0799
CHEN, A. B.	201-MON-00930-0789
CHEN, B.	501-FRI-00930-1314
CHEN, B.	506-SAT-00915-0259
CHEN, C. H.	206-FRI-01330-1168
CHEN, D.	116-THU-01445-0999
CHEN, K.-Y.	306-THU-P1706-1048
CHEN, K.-J.	106-TUEP1700-0365
CHEN, M. Q.	206-FRI-01100-0022
CHEN, W.	502-MON-P1700-0817
CHEN, W. S.	203-TUE-P1700-1137
CHEN, Y.	304-FRI-01330-0950
CHEN, Y.	307-TUE-01130-0736
CHEN, Y.	111-TUE-P1100-1353
CHEN, Y.	205-WED-01330-1269
CHEN, Y. I.	206-FRI-01600-1173
CHENG, C. Z.	401-MON-P1700-0251

HENG, C.-C.	302-MON-P1705-0587
CHERNIAI, I.	306-THU-01105-0206
CHERNIAK, I. V.	204-WED-P1720-0307
CHERNOGOSKAYA, M.	204-THU-01345-0446
CHERNOVA, T.	503-TUE-P1700-0129
CHI, P.	302-TUE-P1700-0890
CHI, P. J.	307-MON-01400-1133
CHI, P. J.	302-MON-P1704-1240
CHI, P. J.	310-SAT-00900-1237
CHI, P. J.	310-SAT-P1700-1284
CHI, P. J.	310-SAT-P1701-0733
CHI, P. J.	208-FRI-00930-1283
CHIAPPINI, M.	506-SAT-01115-1166
CHILDERS, V.	506-SAT-00830-1246
CHISHAM, G.	302-MON-P1716-0607
CHISHAM, G.	304-FRI-P1700-0840
CHIU, B.	106-TUE-P1700-0365
CHO, G. S.	501-MON-P1700-0251
CHOUEI, E.	205-WED-P1715-0990
CHRISTAKIS, N.	204-WED-01445-1192
CHRISTENSEN, T. H.	505-TUE-00915-0949
CHRISTENSEN, U. R.	101-MON-01030-0172
CHRISTENSEN, U. R.	101-MON-P1700-1038
CHRISTENSEN, F.	309-SAT-00915-0450
CHRISTINE, A.-M.	504-THU-01430-0380
CHRISTON, S. P.	302-MON-01115-0838
CHRISTON, S. P.	305-TUE-01330-0969
CHU, F.	307-TUE-00830-1357
CHU, F. D.	203-TUE-P1700-1137
CHULLIAT, A.	501-FRI-00845-1234
CHULLIAT, A.	502-MON-00945-1255
CHULLIAT, A.	507-WED-01645-1119
CHULLIAT, A.	114-FRI-00945-0873
CHUM, J.	204-WED-P1719-0711
CHUM, J.	204-WED-P1721-0769
CHUM, J.	204-WED-P1723-0666
CHUN, F. K.	310-SAT-00900-1237
CHUNGUNGIN, D.	303-FRI-01415-0202
CHUTTER, M.	302-MON-P1711-1018
CIFUENTES-NAVA, G.	310-SAT-01345-0959
CIFUENTES-NAVA, G.	502-MON-P1700-0353
CIFUENTES-NAVA, G.	502-MON-P1700-0354
CIZEKHA, H.	105-FRI-00915-0779
CLARK, D.	104-THU-P1600-0402
CLARK, D.	505-TUE-01100-0404
CLARK, D.	117-FRI-01330-0400
CLARKE, E.	502-MON-00930-1130
CLARKE, E.	502-MON-P1700-0715
CLARKE, E.	504-THU-01030-0173
CLAUER, C. R.	304-FRI-P1700-0483
CLAUER, C. R.	304-FRI-P1700-0527
CLAUER, C. R.	309-SAT-00930-0517
CLEMESHA, B.	001-WED-P1700-0577
CLEMESHA, B. R.	306-THU-P1701-0554
CLEMESHA, B. R.	502-WED-01645-0093
CLEMESHA, B. R.	502-WED-P1700-1116
CLEMESHA, B. R.	001-WED-P1700-1288
CLEMESHA, B. R.	203-TUE-01430-0882
CLEMESHA, B. R.	204-WED-01400-0138
CLEMESHA, B. R.	204-THU-01445-0495
CLEMESHA, B. R.	204-WED-P1700-0132
CLEMESHA, B. R.	206-FRI-P1712-1289
CLEMESHA, B. R.	204-WED-P1704-0139
CULVERD, M.	307-TUE-01630-0256
CULVERD, M.	504-THU-01030-0173
CULVERD, M.	205-WED-01115-0255
CULVERD, M. A.	302-MON-P1702-0724
CULVERD, M. A.	309-SAT-P1700-0721
CULVERD, M. A.	205-WED-01130-1159
CULVERD, M. A.	205-WED-01400-0538
CULVERD, M. A.	205-WED-01615-0270
CULVERD, M. A.	205-WED-01630-1323
CULVERD, M. A.	205-WED-P1706-0301
CULVERD, M. A.	205-WED-P1708-0537
CULVERD, M. A.	208-FRI-01030-0149
CULVERD, M. A.	208-FRI-01115-0718
CULVERD, M. A.	208-FRI-01400-0816
CULVER, E.	403-FRI-01100-1025
CULVER, E. W.	401-MON-01145-0547
CULVER, E. W.	401-THU-01530-0548
COATES, A.	405-WED-01530-0260
COATES, A.	405-WED-01600-1029
COBBETT, N.	302-MON-P1702-0724
COBBETT, N.	208-FRI-01115-0718
CODRESCU, M.	002-SAT-01400-0355

DRESCU, M.	117-MON-00900-0359
COE, R.	213-MON-01430-0571
COHEN, C. M. S.	403-SAT-01445-0335
COHEN, M.	201-MON-00915-0456
COHEN, M. B.	307-TUE-01645-0455
COHEN, M. B.	201-MON-00900-0006
COHEN, Y.	D02-SAT-01630-0299
COHEN, Y.	D02-SAT-P1700-0305
COLLIER, A.	118-THU-P1530-1339
COLLIER, A.	205-WED-P1707-0508
COLLIER, A.	205-WED-P1710-0351
COLLIER, A. B.	118-THU-P1530-0512
COLLIER, A. B.	201-MON-01400-0078
COLLIER, A. B.	201-TUE-01445-0086
COLLIER, A. B.	208-FRI-01130-0380
COLLINSO, G.	306-THU-01415-1049
COLLINSO, G.	306-THU-01430-1095
COMBERIATE, J.	307-FRI-00945-0744
CONESS, M.	205-WED-01530-0872
CONNORS, M.	310-SAT-00900-1237
CONSTABLE, C.	114-FRI-00900-0986
CONSTABLE, C.	114-FRI-00915-0988
CONSTANTINESCU, D.	306-THU-01615-0887
COOKE, D. L.	306-THU-01400-0578
COP, R.	503-TUE-P1700-1130
CORDEIRO, M.	104-THU-01330-1157
CORDON JR., J. M.	306-TUE-P1700-0541
CORNILLAU-WEHLIN, N.	102-MON-P1710-1014
CORNILLAU-WEHLIN, N.	307-TUE-01330-0990
CORNILLAU-WEHLIN, N.	310-SAT-01640-0883
CORREIA, E.	204-THU-01445-0495
CORREIA, E.	204-THU-01615-0639
COSOVIC, V.	506-SAT-01345-0167
COVADIAT, S.	403-FRI-00900-1253
CRAVEN, J. A.	104-THU-01115-0845
CROWLEY, G.	303-THU-P1700-1200
CROWLEY, G.	206-FRI-P1711-0518
CUBUK, Y.	506-SAT-01445-0021
CUCU, G.	505-TUE-00845-0241
CUEVA, R. Y. L. C.	206-FRI-P1709-1120
CULLY, C.	307-TUE-01430-1275
CUMMER, S. A.	201-MON-01330-0651
CUNNINGHAM, K. J.	118-THU-P1530-0643
CUPERTINO DURAQ, O. S.	501-FRI-P1700-0170
CURTO, J. J.	310-SAT-01345-0965
CURTO, J. J.	310-SAT-P1700-0487
CURTO, J. J.	502-MON-P1700-0788
CURTO, J. J.	504-THU-P1730-0790
CVETKOV, V.	111-TUE-P1055-0564
CVETKOV, V.	111-TUE-00915-0112
CVETKOV, V.	111-TUE-P1055-0564
CZECHOWSKI, V.	406-WED-01600-1368
CSAKBERENYI NAGY, D.	116-THU-01600-1242
CSONTOS, A.	310-SAT-01115-0998
CSONTOS, A.	401-TUE-01630-0338
CSONTOS, A.	502-MON-P1700-0300
CSONTOS, A.	502-MON-P1700-0320
CSONTOS, A.	208-FRI-01415-0319
D	
D'YAKONOVA, A.	106-TUE-01545-0186
DA FONSECA LOPES, R. V.	501-FRI-P1700-0170
DA SILVA NETO, C. P.	204-THU-01445-0499
DA SILVA, A. C.	116-THU-01445-0995
DA SILVA, J. D. S.	504-THU-P1730-1370
DABAS, R. S.	206-SAT-01630-1179
DAGLIS, I.	306-THU-01530-1089
DAGLIS, I. A.	102-MON-00900-1330
DAGLIS, I. A.	305-MON-01100-0699
DAGLIS, I. A.	501-FRI-P1700-0829
DAHLE, K.	302-MON-P1703-0232
DAIBOG, E.	403-SAT-01530-0530
DAL LAGO, A.	105-TUE-01130-1203
DAL LAGO, A.	504-THU-P1730-1370
DALY, P.	302-MON-P1714-1056
DALY, P. W.	302-MON-P1710-1014
DALY, P. W.	302-MON-P1715-0570
DAMIANO, P.	303-THU-01615-1136
DANDOURAS, I.	301-MON-01130-0673
DANDOURAS, I.	301-MON-01600-0178
DANDOURAS, I.	302-MON-P1708-0931
DANDOURAS, I.	302-MON-P1714-1056
DANDOURAS, I.	302-MON-P1715-0570
DANDOURAS, I.	310-SAT-01600-0883
DANDOURAS, I.	402-TUE-01100-0087
DANDOURAS, I.	403-FRI-01645-0702

DANDOURAS, Y.	302-MON-P1710-1014
DANLOV, A.	203-TUE-01330-0379
DANOV, D.	303-THU-P1700-1220
DANOV, D.	303-THU-P1700-0200
DARROUZET, F.	306-THU-01600-0994
DARROUZET, F.	208-FRI-00900-1091
DASHKEVICH, Z.	404-FRI-P1700-0196
DASHORA, N.	D02-SAT-P1700-0173
DASHORA, N.	D02-SAT-P1700-0174
DASHORA, N.	206-SAT-01630-1179
DAUDI, E.	502-MON-P1700-0162
DAVIES, C.	112-SAT-00945-0722
DAVILA, J.	403-FRI-00830-1338
DAVILA, J. M.	506-SAT-P1440-0678
DAWES, G.	106-TUE-01345-1158
DAWSON, E.	502-MON-01045-1169
DAWSON, E.	502-MON-P1700-1167
DAWSON, E.	504-THU-P1730-0567
DAY, W. G.	204-THU-P1700-1250
DE ABREU, A. J.	D02-SAT-P1700-0050
DE ABREU, A. J.	D02-SAT-P1700-0052
DE ARTIGAS, M. Z.	203-TUE-00900-0063
DE FREITAS, T. F.	D02-SAT-P1700-0070
DE FREITAS, T. F.	D02-SAT-P1700-0071
DE GROOT, L. V.	112-SAT-00915-1082
DE JESUS, R.	303-THU-01445-1181
DE JESUS, R.	D02-SAT-P1700-0050
DE JESUS, R.	D02-SAT-P1700-0052
DE KEYSER, J.	303-THU-01445-0995
DE KEYSER, J.	303-FRI-01400-1031
DE KEYSER, J.	303-FRI-01430-1258
DE KEYSER, J.	303-FRI-01445-0337
DE KEYSER, J.	303-THU-P1700-1157
DE KEYSER, J.	306-THU-01600-0994
DE KEYSER, J.	208-FRI-00900-1091
DE LAURETIS, M.	310-SAT-01330-0888
DE LAURETIS, M.	310-SAT-P1702-0882
DE LAURETIS, M.	106-TUE-P1700-0684
DE LUCAS, A.	403-FRI-P1700-0296
DE MENESES, F. C.	306-THU-P1701-0554
DE MENESES, F. C.	206-FRI-P1702-0062
DE PAULA, E.	206-SAT-01600-0053
DE PAULA, E. R.	D02-SAT-01600-0229
DE PAULA, E. R.	D02-SAT-P1700-0230
DE PAULA, E. R.	206-FRI-P1702-0262
DE PAULA, E. R.	206-FRI-01615-0240
DE PAULA, E. R.	206-FRI-P1709-1120
DE PAULA, E. R.	206-FRI-P1710-0054
DE PAULIS, C.	106-TUE-P1700-0684
DE SANTIS, A.	501-FRI-01130-0166
DE SANTIS, A.	503-TUE-P1700-0620
DE SOUZA SAVIAN, F.	306-THU-01145-0346
DE SOUZA SAVIAN, F.	501-FRI-P1700-0170
DE SOUZA SAVIAN, F.	502-MON-01400-0493
DEVIRON, O.	503-TUE-01645-1148
DE WIT, T. D.	303-FRI-01615-0676
DE ZEEUW, D. L.	304-FRI-00830-0516
DEAVER, L. E.	202-THU-01445-0504
DECREAU, P.	307-TUE-P1700-1364
DÉCREAU, P. M. E.	208-FRI-01430-1221
DEFOREST, C. E.	401-MON-P1700-0533
DEGENER, L.	302-MON-P1714-1056
DEKKERS, M.	112-SAT-00915-0882
DEKKERS, M.	115-WED-01100-0418
DEKKERS, M.	117-FRI-01415-0752
DEKKERS, M. J.	113-MON-01430-0821
DEL COURT, D.	304-FRI-P1700-0806
DELIPERTEV, M.	114-FRI-P1700-0378
DELIPETROV, T.	114-FRI-P1700-0312
DELPORT, B.	118-THU-P1530-0571
DELPORT, B.	205-WED-01445-0086
DELVA, M.	405-WED-01130-1092
DELVA, M.	501-FRI-P1700-1054
DEMEKHOV, A.	307-TUE-P1700-0327
DEMEKHOV, A. G.	307-TUE-P1700-1364
DEMETRESCU, C.	102-MON-P1115-0289
DEMETRESCU, C.	105-FRI-00900-0288
DEMETRESCU, C.	403-FRI-01045-0292
DEMETRESCU, C.	505-TUE-01115-0290
DEMINA, I.	503-TUE-P1700-0615
DEMIRCI, I.	106-TUE-P1700-0716
DEMOULIN, P.	403-FRI-01145-0274
DEMOULIN, P.	404-FRI-00945-0497
DENARDIN, C. M.	204-THU-01445-0495
DENARDINI, C. M.	D02-SAT-01545-0061

DENARDINI, C. M.	D02-SAT-P1700-0328
DENARDINI, C. M.	D02-SAT-P1700-0329
DENARDINI, C. M.	206-FRI-P1714-0332
DENG, X.	302-MON-01445-0756
DENG, Y.	304-FRI-01130-0850
DENIG, W.	H02-FRI-P1700-1209
DENIG, W. F.	306-THU-01330-1112
DENISOV, YU. I.	307-TUE-00930-0257
DENISOV, YU. I.	307-TUE-P1700-0317
DENTON, M.	307-TUE-01615-0913
DENTON, M. H.	205-WED-01600-0847
DENVER, T.	507-WED-01400-0941
DESSICA, M.	106-TUE-01345-1158
DESPIRAK, I.	302-MON-P1703-0232
DESPIRAK, I.	302-MON-P1718-0187
DESPIRAK, I.	305-TUE-P1700-0210
DESPIRAK, I.	404-FRI-P1700-0196
DETTMER, J.	107-WED-01600-0171
DEVLEESCHOUWER, X.	116-THU-01445-0999
DEVILIN, J.	305-TUE-01545-0762
DEWITTE, S.	404-FRI-01430-0366
DHANYA, R.	206-SAT-01115-0279
DI FIORE, B.	501-FRI-P1700-0829
DI MAURO, D.	502-MON-00845-1328
DI MAURO, D.	502-MON-P1700-1156
DI MAURO, D.	504-THU-P1730-1329
DI SANTO, F.	102-MON-P1130-0792
DI SANTO, F.	106-TUE-P1700-0794
DIAZ, D.	106-TUE-P1700-0623
DIETRICH, S. L.	205-WED-01630-1323
DIETRICH, W. F.	205-WED-P1705-0209
DIKMEN, Ü.	106-TUE-P1700-0716
DIMITROVA, L.	101-MON-01030-1264
DIMOV, D.	118-THU-P1530-0825
DINELLI, B. M.	201-MON-01130-0985
DING, J.	501-FRI-P1700-0657
DING, W.	302-MON-01415-0957
DINGWELL, D. B.	115-WED-01330-0904
DIOGO, E. M.	206-FRI-00915-0619
DOBOS, A.	118-THU-P1530-0707
DOBRICA, V.	102-MON-P1115-0289
DOBRICA, V.	105-FRI-00900-0288
DOBRICA, V.	403-FRI-01045-0292
DOBRICA, V.	505-TUE-01115-0290
DOEL, R. E.	H01-THU-01630-0261
DO PAULA, E. R.	505-TUE-P1700-0411
DOLINSKY, P.	H02-FRI-P1700-0410
DOMBAL, F.	201-MON-00945-0270
DOMINGO, V.	401-MON-01100-0895
DOMÍJAN, A.	118-THU-P1530-0252
DONADINI, F.	112-SAT-P1330-0742
DONADINI, F.	114-FRI-00900-0986
DONADINI, F.	114-FRI-00915-0988
DONEVA, B.	114-FRI-P1700-0378
DOUGMEI, Y.	502-MON-P1730-0766
DO NOVAN, E.	304-FRI-01630-1202
DO NOVAN, E.	302-MON-00915-0912
DO NOVAN, E.	302-MON-00945-0865
DO NOVAN, E.	303-THU-P1700-0974
DÓRIA, A.	111-TUE-P1120-1165
DROVSKYY, V. V.	406-WED-01330-1098
DOSO, S. E.	107-WED-01600-0171
DOSTAL, J.	507-WED-01130-0857
DOSTALER, F.	506-SAT-00830-1246
DOUGHERTY, M. K.	405-WED-01630-1070
DOUMBIA, V.	102-MON-01100-0302
DOUMBIA, V.	D02-SAT-01630-0299
DOUMBIA, V.	D02-SAT-P1700-0305
DOUMBIA, V.	D02-SAT-P1700-0306
DOWNES, E.	201-MON-00930-0789
DOWNING, J.	404-FRI-00845-0168
DOWNS, J. R.	208-FRI-01130-0380
DRUKARENKO, V.	115-WED-P1700-0161
DRUMMOND, J.	202-THU-01130-0932
DU, J.	204-WED-01330-1259
DU, X.	104-THU-P1550-0212
DUBININ, E.	405-WED-01030-1342
DUBININ, E.	405-WED-01400-1343
DUBROVIN, D.	201-MON-01115-0679
DUBYAGIN, S.	302-MON-01030-0511
DUBYAGIN, S.	302-MON-P1707-1196
DUKIN, F.	106-TUE-P1700-0156
DUKA, B.	501-FRI-01130-0166
DUKA, B.	503-TUE-01415-0084
DUMA, G.	501-FRI-00945-0461

DUNIN-BORKOWSKI, R.	116-THU-01600-1242
DUNKL, I.	506-SAT-P1500-1348
DUNLOP, M. W.	302-MON-01330-1080
DUNLOP, M. W.	310-SAT-01430-0781
DURAND, S. R.	117-FRI-01415-0752
DUSEK, M.	113-MON-01330-0832
DUSSAUX, J.-B.	111-TUE-P1125-0477
DUTRA, S. L. G.	307-TUE-P1700-0890
DYOMINOV, I.	203-TUE-01445-0293
DYRUD, L.	310-SAT-01400-0920
DYSON, P.	305-TUE-01545-0762
DZHALILOV, N.	403-FRI-P1700-0099
DZIAK-JANKOWSKA, B.	501-FRI-P1700-0087
DZIAK-JANKOWSKA, B.	204-WED-P1722-0698

D	
EASTWOOD, J.	304-FRI-01100-0899
EBERT, U.	201-MON-01115-0679
EBERT, U.	201-MON-01030-0630
EBIHARA, Y.	302-MON-P1715-0059
EBIHARA, Y.	303-THU-01330-0610
EBIHARA, Y.	303-THU-01400-1125
EBIHARA, Y.	303-THU-01600-0505
EBIHARA, Y.	311-WED-01400-1122
ECHE, E.	402-FRI-P1700-0967
ECHIM, M.	303-THU-01415-0995
ECHIM, M.	303-FRI-01400-1031
ECHIM, M.	303-THU-P1700-1153
ECHIM, M. M.	303-FRI-01445-0337
EDENSKIY, I. K.	204-WED-P1717-0976
EDWARDS, N.	107-WED-01400-0440
EDWARDS, R. N.	107-WED-P1700-0638
EFENDI, N.	502-MON-P1700-0162
EFTAXIAS, K.	305-MON-01100-0699
EGBERT, G. D.	101-MON-01030-1264
EGBERT, G. D.	102-MON-00900-1330
EGLAND, A.	H02-FRI-01400-0612
EGLI, R.	116-THU-01030-0784
EICHELBERGER, H.	501-FRI-P1700-1054
EICHELBERGER, H.	H02-FRI-P1700-1118
EJURI, M. K.	202-THU-P1700-1265
EJURI, M. K.	206-FRI-01530-1228
EL BAY, R.	506-SAT-P1500-1348
EL-ALAOUI, M.	302-MON-01445-0756
EL-ALAOUI, M.	304-FRI-00945-0662
ELAWADI, E.	506-SAT-00945-0542
EL-HADDAD, A.	104-THU-01415-0347
EL-HADY, S.	118-THU-P1530-0359
EL-HADY, S.	118-THU-P1530-0349
ELIAS, A. G.	203-TUE-00900-0063
ELIAS, A. G.	203-TUE-01400-0062
ELKINGTON, S. R.	305-TUE-00830-0414
ELLIOTT, H. A.	403-SAT-01445-0335
ELMING, S.	112-SAT-P1330-0742
EL-QADY, G.	104-THU-01415-0347
EL-QADY, G.	104-THU-P1555-0382
EL-QADY, G.	104-THU-P1555-0382
EL-SHAHAT, A.	118-THU-P1530-0349
EL-SHAHAT, A.	118-THU-P1530-0349
ELSHAYAT, A.	506-SAT-00945-0542
EMPERUMAL, K.	D01-WED-P1700-0214
EMPERUMAL, K.	206-SAT-01645-0213
ENELL, C. F.	201-MON-01130-0985
ENGBRETON, M.	307-TUE-P1700-0890
ENGBRETON, M.	307-TUE-01615-0913
ENGBRETON, M.	310-SAT-01400-0920
ENGBRETON, M.	310-SAT-01545-0854
ENGLER, N.	204-WED-01645-0859
EPHISOV, I.	309-SAT-00830-0193
ERDOGAN, E.	106-TUE-P1700-0774
ERDOS, G.	401-TUE-01430-1138
ERICKSON, G.	305-TUE-P1701-1135
ERINCHAY, Y. M.	117-FRI-01630-1332
ERKAEV, N. V.	302-MON-P1712-0049
ERN, M.	202-THU-01630-0981
ERNST, T.	501-FRI-P1700-0807
ERNST, T.	503-TUE-00930-0992
ERNST, T.	204-WED-P1722-0698
ERRAM, V.	118-THU-P1530-0067
ERRAM, V. C.	506-SAT-P1400-0075
ERSHKOVICH, A.	305-TUE-P1732-0407
ESCOSTEGUY, L.	117-FRI-P1700-0791
ESPY, P.	203-FRI-01700-0891
ESSALHI, M.	111-TUE-P1100-1353
ESSER, R.	407-THU-01530-0681

EVANS, D. S.	205-WED-01145-1044
EVUSHENKO, A. A.	201-MON-01100-0323
EZAWA, F.	304-FRI-P1700-0876

F	
FABIAN, K.	112-SAT-00900-1042
FABIAN, K.	115-WED-01330-0904
FABIAN, K.	115-WED-01445-1057
FABIAN, K.	117-FRI-01430-1040
FABIAN, K.	118-THU-P1530-1043
FABIJAN, D.	503-TUE-P1700-1310
FACKSO, G.	401-MON-P1700-1188
FACKSO, G.	402-TUE-01100-0087
FADEN, J.	304-FRI-01400-0964
FADNAVIS, S.	201-MON-01645-0025
FADNAVIS, S.	203-TUE-01415-0023
FAGUNDES, P. R.	D02-SAT-01430-0048
FAGUNDES, P. R.	D02-SAT-P1700-0050
FAGUNDES, P. R.	D02-SAT-P1700-0052
FAGUNDES, P. R.	D02-SAT-P1700-0070
FAGUNDES, P. R.	D02-SAT-P1700-0071
FAHREHEAD, J. D.	506-SAT-00830-1246
FAIVRE, D.	116-THU-01600-1242
FALAYI, E. O.	501-FRI-01100-0009
FANG, T. W.	204-THU-01115-0967
FANG, T.-W.	206-FRI-00900-0947
FANG, T.-W.	206-FRI-01400-0714
FARAHANI, F.	506-SAT-P1445-0809
FARAHANI, F.	D02-SAT-P1700-0796
FARQUHARSON, C. G.	107-WED-01615-1300
FARRUGIA, C. J.	301-MON-P1700-1128
FARRUGIA, C. J.	301-MON-P1700-1351
FAUQUET, F.	106-TUE-P1700-0640
FAUQUET, F.	106-TUE-P1700-0641
FAUZI, U.	106-TUE-P1700-1225
FAZAKERLEY, A.	302-MON-P1711-1018
FAZAKERLEY, A.	310-SAT-01600-0883
FAZAKERLEY, A. N.	301-MON-P1700-1128
FAZAKERLEY, A. N.	302-MON-01330-1080
FAZAKERLEY, A. N.	302-MON-P1701-1084
FAZAKERLEY, A. N.	403-FRI-P1700-1217
FECHINE, J.	D01-WED-01645-0093
FECHINE, J.	D01-WED-P1700-1116
FEDOROV, A.	403-FRI-01600-1334
FEDOROV, A.	403-FRI-01645-0702
FEDOROV, A.	405-WED-01600-1029
FEDOROV, E.	310-SAT-P1703-1002
FEDRIZZI, M.	D01-WED-P1700-0200
FEDRIZZI, M.	207-MON-00930-0359
FEI, M.	507-WED-P1704-0222
FEI, M.	507-WED-P1705-0221
FEJER, B. G.	305-MON-01030-1147
FENG, Y.	505-TUE-P1700-0011
FENNELL, J. F.	307-TUE-00945-0552
FENNELL, J. F.	307-TUE-01115-0556
FEOFILOV, A.	204-WED-P1706-0944
FEOFILOV, A. G.	202-THU-01100-0939
FERENCEZ, CS.	303-FRI-01645-0223
FERENCEZ, CS.	205-WED-01645-0284
FERENCEZ, CS.	208-FRI-01530-0233
FERENCEZ, CS.	118-THU-P1530-0252
FERENCEZ, E.	118-THU-P1530-0252
FERENCEZ, O. E.	306-THU-01130-0285
FERENCEZ, O. E.	208-FRI-01530-0233
FERGUSON, I.	104-THU-01330-1157
FERR, A.	115-WED-01330-0904
FERNANDES, F.	302-MON-P1706-1163
FERNANDEZ, G.	204-THU-01645-1204
FERRERA, S.	403-SAT-01640-0842
FIALOVÁ, H.	118-THU-P1530-0682
FIALOVÁ, H.	118-THU-P1530-0774
FIALOVÁ, H.	118-THU-P1530-1189
FIALOVÁ, H.	118-THU-P1530-0682
FIALOVÁ, H.	118-THU-P1530-0774
FIALOVÁ, H.	118-THU-P1530-1189
FIEDLER, J.	202-THU-01415-1139
FILIPPOV, S.	206-FRI-P1705-0128
FINLAY, C.	505-TUE-00930-1006
FINN, C.	506-SAT-00830-1246
FINN, C. A.	502-MON-00900-0653
FISHWICK, S.	103-TUE-00830-1303
FISSEHA, S.	106-TUE-01345-1158
FLOREA, L.	118-THU-P1530-0643
FLOWER, S.	502-MON-00930-1130
FLOWER, S.	502-MON-01045-1169
FLOWER, S.	502-MON-P1700-0162

FLOWER, S.	502-MON-P1700-0715
FLOWER, S.	502-MON-P1700-1167
FOERSTER, M.	304-FRI-01145-1016
FOK, M.-C.	302-MON-01615-0625
FOK, M.-C.	303-THU-01400-1125
FOK, M.-C.	304-FRI-P1700-0968
FOK, M.-C.	

GOGORZA, C. S. G.	116-THU-01115-0148
GOGORZA, C. S. G.	116-THU-P1700-0147
GOGOSHEVA, T.	203-TUE-01600-0667
GOGUICHAICHVILI, A.	112-SAT-P1330-0531
GOGUICHAICHVILI, A.	112-SAT-01100-0387
GOKARN, S.	106-TUE-P1700-1027
GOLDBERG, R. A.	202-THU-P1700-0549
GOLDBERG, R. A.	202-THU-01100-0939
GOLKOWSKI, M.	307-TUE-01645-0455
GOLKOWSKI, M.	201-MON-00915-0456
GOLOKOV, V.	503-TUE-01400-0100
GOLOKOV, V.	503-TUE-P1700-0129
GOLOKOV, V. P.	503-TUE-P1700-0068
GOLUBTSOVA, N.	106-TUE-01530-0910
GOLUBTSOVA, N.	107-WED-P1700-0902
GOLYSKY, S.	506-SAT-00830-1246
GOMBOSI, T.	303-THU-01130-0624
GOMBOSI, T. I.	304-FRI-00830-0516
GOMBOSI, T. I.	308-FRI-00900-0748
GOMES, A. L.	111-TUE-P1105-1250
GONCHARENKO, L.	204-WED-01330-1259
GONCHARENKO, L.	206-SAT-01445-0176
GONG, J.	401-TUE-01400-0663
GONG, Q.	107-WED-01330-0314
GONG, Z.	113-MON-01430-0821
GONZÁLEZ-MORALES, M. R.	114-FRI-P1700-1201
GONZÁLEZ-R., J. A.	111-TUE-P1045-0936
GOOD, G. A.	101-THU-01400-0283
GOPALSWAMY, N.	403-FRI-00830-1338
GOPALSWAMY, N.	403-FRI-01415-1318
GORDIYENKO, G.	303-THU-P1700-1325
GORDIYENKO, G.	204-WED-P1724-1331
GORDLEY, L. L.	202-THU-P1700-0482
GORDLEY, L. L.	202-THU-01445-0504
GOSLING, J. T.	403-FRI-01645-0702
GOTO, T.	105-FRI-P1700-0971
GRABOWSKI, J.	111-TUE-P1130-0773
GRABOWSKI, J.	506-SAT-P1450-1102
GRABOWSKI, J.	506-SAT-P1455-1150
GRABOWSKI, J.	111-TUE-P1130-0773
GRACH, V. S.	202-THU-01400-0218
GRAHAM HEINSON	106-TUE-01330-0595
GRANDESSO, P.	506-SAT-01345-0167
GRANO, V.	306-THU-01330-1112
GRANT, K.	116-THU-01400-1268
GRATTON, F. T.	301-MON-P1700-1128
GREEN, J.	304-FRI-01400-0964
GREEN, J. C.	307-TUE-01530-0085
GREEN, J. C.	205-WED-01400-0358
GREENBERG, E.	201-MON-P1700-1345
GREGERSEN, S.	502-MON-P1700-0447
GREINER-MAI, H.	501-FRI-P1700-0691
GREINER-MAI, H.	503-TUE-P1700-0689
GREVESSE, N.	407-THU-01415-0109
GREW, R.	208-FRI-01400-0816
GREW, R. S.	307-TUE-01530-0085
GRIGORIAN, S. S.	403-FRI-P1700-1371
GRIMALD, S.	208-FRI-01430-1221
GRISON, B.	310-SAT-01600-0883
GROCCOTT, A.	302-MON-01330-1080
GRODJI, O. D. F.	002-SAT-P1700-0305
GROSFIELD, C.	118-THU-P1530-1043
GROVES, K.	206-FRI-P1710-0054
GRUBOR, D.	204-WED-P1713-0341
GRUSHIN, V.	306-THU-P1700-0316
GRYCAR, T.	116-THU-01100-0824
GRZEBIELSKI, S.	406-WED-01600-1368
GUARNIERI, F. L.	303-THU-01445-1181
GUARNIERI, F. L.	002-SAT-P1700-0050
GUARNIERI, F. L.	002-SAT-P1700-0052
GUBBINS, D.	506-SAT-01100-1033
GUHARAY, A.	001-WED-P1700-0040
GUILLAS, S.	204-THU-01115-0967
GUIMARAES DUTRA, S. L.	502-MON-01400-0493
GUINEVA, V.	302-MON-P1703-0232
GUINEVA, V.	302-MON-P1718-0187
GUINEVA, V.	305-TUE-P1700-0210
GUINEVA, V.	404-FRI-P1700-0196
GUSSO, E.	102-MON-01100-0302
GUIZZELLI, L. M.	002-SAT-P1700-0328
GUIZZELLI, L. M.	002-SAT-P1700-0329
GUIZZELLI, L. M.	206-FRI-P1714-0332
GUMBEL, J.	202-THU-01430-0473
GUO, R.	107-WED-01600-0171
GUO, X. C.	304-FRI-00900-0154

GUPTA, G.	118-THU-P1530-0067
GUPTA, S.	104-THU-01045-0191
GURNETT, D. A.	307-TUE-01330-0990
GURNETT, D. A.	307-TUE-P1700-1364
GURUBARAN, S.	001-WED-01630-0371
GURUBARAN, S.	001-WED-P1700-0214
GURUBARAN, S.	206-SAT-01145-1360
GURUBARAN, S.	206-SAT-01645-0213
GUSTAVSSON, B.	303-FRI-01630-0529
GUSTAVSSON, B.	303-THU-P1700-1153
GUTIERREZ-OSPINA, G.	116-THU-P1700-0739
GUTYNSKA, O.	301-MON-01445-0584
GUTYNSKA, O.	301-MON-P1700-1097
GUYA, N. H.	002-SAT-P1700-0796
GUYOUDO, Y.	115-WED-01415-0737
GÜRER, A.	106-TUE-P1700-0716
GVISHIANI, A.	502-MON-P1700-0459
GVISHIANI, A.	504-THU-P1730-0514
GVISHIANI, A.	106-TUE-P1700-0641
GVISHIANI, A. D.	506-SAT-P1425-0467

H	
HAAGMANS, R.	507-WED-01030-0613
HAAGMANS, R.	507-WED-P1702-0697
HAALAND, S.	302-MON-P1714-1056
HAALAND, S.	304-FRI-01145-1016
HAAS, J.	506-SAT-P1455-1150
HABARULEMA, J. B.	002-SAT-01145-0652
HACISALIHOGLU, Ö.	106-TUE-P1700-0716
HADY, A. A.	205-WED-P1700-0005
HADY, A. A.	002-FRI-P1700-0010
HAGAN, M.	207-MON-01030-0159
HAGEDOORN, J. M.	501-FRI-P1700-0691
HAGEDOORN, J. M.	503-TUE-P1700-0689
HAGENAAR, H. J.	401-MON-P1700-0533
HALDOUPIS, C.	201-MON-01445-0937
HALDOUPIS, C.	201-MON-P1700-1345
HALDOUPIS, C.	204-WED-01445-1192
HAMAR, D.	208-FRI-01530-0233
HAMILTON, B.	501-FRI-01145-1154
HAMILTON, B.	504-THU-P1730-1187
HAMMOUDI, M.	501-FRI-P1700-1197
HAMMOUDI, M.	503-TUE-P1700-0253
HAMMOUDI, M.	504-THU-P1700-1195
HAMMOUDI, M.	118-THU-P1530-1339
HAMRIN, M.	405-WED-01330-0216
HAN, D.-S.	204-THU-01630-0768
HAN, S.	507-WED-P1704-0222
HAN, S.	507-WED-P1705-0221
HANSEN, K. C.	308-FRI-00900-0748
HANSEN, K. C.	308-FRI-00915-1239
HANSLMEIER, A.	403-FRI-01100-1025
HAPGOOD, M.	403-FRI-00830-1338
HARADA, M.	105-FRI-P1700-0971
HARADA, M.	106-TUE-P1700-0541
HARADA, M.	106-TUE-P1700-0640
HARALAMBOUS, H.	206-FRI-P1717-1230
HARINARAYANA, T.	106-TUE-P1700-0321
HARINARAYANA, T.	106-TUE-P1700-0330
HARINARAYANA, T.	106-TUE-P1700-0433
HARINARAYANA, T.	106-TUE-P1700-1047
HARINARAYANA, T.	107-WED-P1700-0611
HARPER, K.	001-THU-01600-0258
HASEGAWA, H.	301-MON-01330-0622
HASEGAWA, H.	301-MON-01630-0369
HASHIMOTO, K. K.	305-TUE-01345-0754
HASHIMOTO, K. K.	303-THU-01330-0610
HASHIMOTO, K. K.	403-SAT-01130-0601
HASHIMOTO, K. K.	206-SAT-01330-0603
HASHIMOTO, T.	106-TUE-P1700-1145
HASSAN, G.	507-WED-P1703-0911
HATA, M.	105-FRI-P1700-0272
HATTORI, K.	206-FRI-01600-1173
HÄUSLER, K.	207-MON-01030-0159
HAYUT, S.	106-TUE-01345-1158
HAYOSH, M.	301-MON-01445-0584
HEBER, B.	403-SAT-01445-0335
HEDIN, J.	202-THU-01415-1081
HEILIS, R. A.	206-FRI-00830-0631
HELYMEGI, L.	502-MON-P1700-0300
HEILIG, B.	310-SAT-01115-0998
HEILIG, B.	310-SAT-P1703-1002
HEILIG, B.	310-SAT-P1711-0861
HEILIG, B.	310-SAT-P1712-0770
HEILIG, B.	310-SAT-P1713-1219
HEILIG, B.	401-TUE-01630-0338

HEILIG, B.	502-MON-P1700-0300
HEILIG, B.	502-MON-P1700-0320
HEILIG, B.	208-FRI-01415-0319
HEINSELMAN, C.	305-TUE-01615-0970
HEINSELMAN, C.	305-TUE-01145-0429
HEINSELMAN, C.	305-TUE-01545-0762
HEISE, W.	106-TUE-01415-1191
HEISE, W.	106-TUE-P1700-1174
HEJDA, P.	101-MON-01530-0408
HEJDA, P.	101-MON-P1700-0481
HEJDA, P.	502-MON-01115-1140
HEKI, K.	204-WED-P1716-0298
HELLBERG, M. A.	308-FRI-00930-0535
HELLINGER, P.	404-FRI-01030-0923
HEMANT, K.	506-SAT-01100-1103
HEMANT, K.	507-WED-01630-1111
HEMSHORN, A.	503-TUE-01445-0852
HENDERSON, K.	502-MON-P1700-0715
HENDERSON, M.	302-MON-P1715-0570
HENDERSON, M. G.	304-FRI-01330-0950
HENRY, B.	111-TUE-P1700-0963
HERBERT, H.	206-FRI-01615-0240
HERCZEG, A.	118-THU-P1530-1004
HEREDIA, N.	106-TUE-P1700-1233
HEREIN, M.	302-MON-P1530-0252
HERNÁNDEZ-QUINTERO, E.	502-MON-P1700-0353
HERNÁNDEZ-QUINTERO, E.	502-MON-P1700-0354
HERRERO-BERVERA, E.	111-TUE-P1700-0963
HERRERO-BERVERA, E.	117-FRI-01415-0752
HERRERO-BERVERA, E.	118-THU-P1530-0942
HERVIG, M.	202-THU-01445-0504
HERVIG, M. E.	202-THU-01330-0482
HERWEGH, M.	111-TUE-00930-0675
HERZOG, D.	502-MON-01045-1169
HERZOG, D.	502-MON-01130-0872
HESELOP, D.	113-MON-01430-0821
HESS, K.-U.	115-WED-01330-0904
HESSE, M.	305-TUE-00915-1208
HESSE, M.	306-THU-01630-1143
HEWITT, J. G.	205-WED-01530-0872
HIBBINS, R. E.	205-WED-P1709-0732
HIBBINS, R. E.	204-WED-01100-0727
HIBBINS, R. E.	204-THU-01100-1060
HICKEY, M.	204-WED-P1700-0162
HIDAYAT, M.	502-MON-P1700-0162
HIGUCHI, T.	303-THU-01645-0966
HIGUCHI, T.	304-FRI-P1700-0968
HIGUCHI, T.	504-THU-P1710-0996
HIKISHIMA, M.	307-TUE-01415-0758
HILL, M.	112-SAT-00945-0722
HILL, M.	112-SAT-01115-0730
HILL, M.	112-SAT-P1700-0731
HILL, P.	506-SAT-00945-0542
HINNOV, L.	116-THU-01430-1223
HIPPMANN, F.	105-FRI-P1700-0879
HIRT, A. M.	111-TUE-00930-0675
HIRT, A. M.	115-WED-01600-0848
HLADIL, J.	506-SAT-P1450-1102
HLADIL, J.	111-TUE-P1130-0773
HLADIL, J.	116-THU-01445-0999
HOANG, S.	406-WED-01445-1236
HOCKING, W. K.	202-TUE-01130-0932
HOFFMAN, K.	114-FRI-01105-0935
HOFFMAN, R. A.	303-THU-01100-1251
HOFFMANN, P.	204-WED-01645-0859
HOFFMANN, P.	203-TUE-01530-1062
HOFFMANN, P.	204-THU-01330-0479
HOFFMANN, V. H.	118-THU-P1530-0997
HOGAN, J.	104-THU-01415-0347
HOGG, C.	104-THU-01115-0845
HOGG, C.	106-TUE-01400-1304
HOLADPA, L.	504-THU-01400-1206
HOLME, R.	503-TUE-01645-1148
HOLME, R.	503-TUE-P1700-0849
HOLME, R.	507-WED-01115-0834
HOLME, R.	507-WED-01530-1131
HOLME, R.	507-WED-01545-1141
HOLME, R.	508-FRI-01530-1356
HOLME, R.	112-SAT-01145-0730
HOLMSTRÖM, M.	405-WED-01330-0216
HOLZWORTH, R. H.	201-MON-01415-0989
HOLZWORTH, R. H.	201-MON-01615-0574
HONARY, F.	302-MON-P1703-0232
HONARY, F.	205-WED-01600-0847
HONKONEN, I.	304-FRI-01030-0668

HONKONEN, I.	304-FRI-P1700-0785
HONKURA, Y.	104-THU-P1630-0984
HONKURA, Y.	106-TUE-P1700-0897
HONKURA, Y.	503-TUE-01615-0970
HONKURA, Y.	106-TUE-P1700-0738
HONKURA, Y.	106-TUE-P1700-0782
HONKURA, Y. H.	104-THU-P1630-0984
HOPPE, U.-P.	202-THU-01600-0866
HOPPE, U.-P.	202-THU-01615-1005
HOPPE, U.-P.	204-WED-P1707-0951
HORI, K.	101-MON-01100-1103
HORI, K.	101-MON-P1700-1249
HORI, T.	303-THU-01330-0635
HORI, T.	305-TUE-P1705-0801
HORNE, R.	307-TUE-01615-0913
HORNE, R. B.	307-TUE-01445-0668
HOUSHYARI, I.	104-THU-01030-0039
HÖPPNER, K.	404-FRI-01630-1065
HÖPPNER, K.	203-TUE-P1700-0891
HÖPPNER, K.	204-WED-01600-0889
HRACKOVA, Z.	307-TUE-01330-0990
HROUDA, F.	111-TUE-00830-0669
HRSUKA, F.	204-WED-P1721-0769
HRVOIC, I.	118-THU-P1530-0441
HRVOIC, I.	118-THU-P1530-0441
HSU, R. R.	201-MON-00930-0789
HU, B.	302-MON-01615-0625
HU, B.	402-TUE-01345-0626
HU, Q.	402-TUE-00900-0706
HU, X.	104-THU-01100-0313
HU, X.	107-WED-01330-0314
HUANG, X.	208-FRI-00830-0839
HUBERT, B.	302-MON-P1716-0674
HUDSON, M.	307-TUE-00830-1357
HUDSON, M. K.	205-WED-01130-0872
HUGHES, A. R. W.	208-FRI-01130-0977
HULOT, G.	101-MON-00945-0855
HULOT, G.	507-WED-01630-1111
HULOT, G.	507-WED-01645-1119
HULOT, G.	114-FRI-00945-0873
HUMPHRIES, T.	502-MON-P1700-0715
HURST, T.	502-MON-P1700-0753
HUS, J.	112-SAT-P1330-1347
HUSNI, M.	502-MON-P1700-0162
HUTCHINSON, S.	207-MON-P1510-0996
HVOZDARA, M.	102-MON-01030-0777
HVOZDARA, M.	505-TUE-P1700-0411
HYDE, M.	207-MON-P1710-0996
HYKNA, N.	501-FRI-01330-0166
HYSELL, D. L.	206-FRI-01115-0916
I	
IBADOV, S.	403-FRI-P1700-1371
IBARRA, P.	106-TUE-01415-1191
IBARRA, P.	106-TUE-P1700-1190
IBODOV, F. S.	403-FRI-P1700-1371
ICHIHARA, H.	107-WED-P1700-0596
IEDA, A.	302-MON-01115-0838
IEDA, A.	303-THU-P1700-0974
IEDA, A.	305-TUE-01330-0969
IERLEY, G.	101-MON-00830-1321
IERLEY, G.	101-MON-P1700-0712
IEVENKO, I.	303-THU-P1700-0431
IEVENKO, I.	303-THU-P1700-0432
IEVENKO, I.	305-TUE-P1704-0513
IGNATYEV, V. M.	204-WED-P1708-0962
IGUCHI, M.	204-THU-01630-0768
IIQ, Y.	106-TUE-P1700-0979
IZIMA, M.	303-THU-P1700-0568
IKEDA, A.	303-THU-P1700-1017
ILLES-ALMÁR, E.	205-WED-P1704-0079
ILLES-ALMÁR, E.	207-MON-P1145-0800
IMADA, S.	401-TUE-00915-0871
IMBER, S. M.	302-MON-P1713-0864
INAN, U.	201-MON-00830-1316
INAN, U.	201-MON-00915-0456
INAN, U. S.	307-TUE-01645-0455
INHESTER, B.	401-TUE-01130-1203
INNESS, E. K.	310-SAT-01030-1286
IP, W.-H.	405-WED-01145-1013
IP, W.-H.	405-WED-01645-1015
IRAZUN, M. A.	116-THU-01115-0824
IRWAN, M.	106-TUE-01600-1248
ISAC, A.	502-MON-P1705-0906
ISEZAKI, N.	105-FRI-P1700-0971
ISEZAKI, N.	506-SAT-00930-1244

ISHIHARA, T.	505-TUE-00900-0526
ISHII, M.	002-SAT-00900-0607
ISHIKAWA, Y.	002-FRI-P1700-1213
ISRAELVICH, P.	305-TUE-P1702-0407
ITAMBI, C.	115-WED-01100-0418

KHERANI, E. A.	206-FRI-01615-0240
KHERANI, E. A.	306-THU-P1701-0554
KHERANI, E. A.	D02-SAT-01600-0229
KHERANI, E. A.	D02-SAT-P1700-0316
KHERANI, E. A.	206-SAT-01030-0597
KHERANI, E. A.	206-FRI-01720-0621
KHETSELIOUS, O.	204-WED-P1725-0360
KHETSELIOUS, O.	205-WED-P1713-0360
KHOTYAINTESEV, Y.	301-MON-01330-0622
KHOTYAINTESEV, Y.	302-MON-P1708-0931
KHOTYAINTESEV, Y.	302-MON-P1710-1014
KHOTYAINTESEV, Y.	302-MON-P1711-1018
KHOTYAINTESEV, Y. V.	301-MON-01430-0480
KHURANA, K. K.	308-FRI-00915-1239
KIHN, E.	502-MON-P1700-0459
KIHN, E. A.	304-FRI-01400-0964
KIKUCHI, M.	208-FRI-P1625-0621
KIKUCHI, M.	208-FRI-P1625-0621
KIKUCHI, T.	303-THU-01330-0610
KIKUCHI, T.	305-TUE-01345-0754
KIKUCHI, T.	305-TUE-01430-0757
KIKUCHI, T.	305-TUE-P1705-0801
KIKUCHI, T.	310-SAT-P1705-0726
KIKUCHI, T.	403-SAT-01100-0665
KIKUCHI, T.	403-SAT-01130-0601
KIKUCHI, T.	206-SAT-01330-0603
KIKUCHI, T.	206-SAT-01430-0037
KIL, H.	D02-SAT-01615-0870
KIL, H.	206-FRI-00945-0744
KIL, H.	206-FRI-01400-0714
KILIC, A. R.	106-TUE-P1700-0716
KILPUA, E.	401-TUE-01030-0449
KIM, E.-H.	308-FRI-01130-0926
KIM, E.-H.	310-SAT-01615-0925
KIM, E.-H.	301-MON-01145-0927
KIM, H.	304-FRI-01445-0430
KIM, H. R.	505-TUE-01045-1086
KIM, K.	104-THU-01100-0313
KIM, K. S.	302-MON-P1700-0251
KIM, K.-I.	310-SAT-01130-0692
KIM, W.-S.	502-MON-P1700-0977
KIM, Y. H.	D02-SAT-01615-0870
KIM, Y. K.	401-MON-P1700-0501
KIMATA, F.	106-TUE-01600-1248
KINTNER, P.	206-SAT-01600-0053
KIRAGA, A.	304-FRI-P1700-1354
KIRAN, Z.	401-TUE-01415-0035
KIRKWOOD, S.	202-THU-01115-0386
KIROV, B.	306-THU-P1700-0316
KIRPICHEV, I.	301-MON-00945-0031
KIRPICHEV, I. P.	305-MON-01130-0043
KIS, A.	401-TUE-01645-0236
KIS, A.	310-SAT-P1713-1219
KIS, K. I.	505-TUE-01045-1086
KIS, M.	107-WED-P1700-0225
KISS, J.	106-TUE-P1700-0646
KISS, J.	115-WED-01130-0645
KISTLER, L. M.	301-MON-01130-0673
KISTLER, L. M.	302-MON-01330-1080
KITAHARA, T.	202-THU-P1700-1265
KITAMURA, K.	307-TUE-P1700-0960
KITAMURA, N.	303-THU-01600-0569
KITAMURA, N.	303-THU-P1700-0568
KIVELSON, M.	308-FRI-00830-1306
KIVELSON, M. G.	302-MON-P1704-1240
KYOSHI BABA	105-FRI-P1700-0983
KLECKER, B.	302-MON-P1708-0993
KLECKER, B.	401-TUE-01645-0326
KLEIMENOVA, N.	309-SAT-P1700-0423
KLEIMENOVA, N.	310-SAT-01415-0164
KLEIMENOVA, N.	310-SAT-P1707-0165
KLEIMENOVA, N.	502-MON-P1700-0424
KLEKOCIUK, A. R.	202-THU-01115-0386
KLETETSCHKA, G.	115-WED-01115-0592
KLIEM, B.	403-FRI-01145-0274
KLIMENKO, M.	D02-SAT-00945-0089
KLIMENKO, M.	204-WED-P1726-0092
KLIMENKO, M.	206-FRI-01630-0175
KLIMENKO, M.	206-SAT-01445-0176
KLIMENKO, M.	206-FRI-P1707-0090
KLIMENKO, M.	206-FRI-P1713-0091
KLIMENKO, V.	D02-SAT-00945-0089
KLIMENKO, V.	204-WED-P1726-0092
KLIMENKO, V.	206-FRI-01630-0175
KLIMENKO, V.	206-SAT-01445-0176

KLIMENKO, V.	206-FRI-P1713-0091
KLIMENKO, V. V.	201-MON-01600-0340
KLIMENKO, V.	206-FRI-P1707-0090
KLIMOV, S.	306-THU-P1700-0316
KNIELING, P.	404-FRI-01630-1065
KNIES, J.	118-THU-P1530-1043
KNUSDEN, D.	205-WED-P1714-0798
KNYAZEVA, M. A.	208-FRI-P1615-0217
KO, Y.-K.	401-TUE-00945-0555
KOBEA, A. T.	D02-SAT-P1700-0306
KOBEA, A. T.	102-MON-01100-0302
KOBYLINSKI, Z.	205-WED-P1711-0344
KOCEN, J.	503-TUE-P1700-1310
KOCHETOV, A. V.	208-FRI-01600-0710
KODAMA, K.	112-SAT-P1330-0026
KODAMA, K.	116-THU-P1700-0661
KODEŠOVÁ, R.	118-THU-P1530-0682
KOEN, E.	205-WED-P1707-0508
KOGA, K.	310-SAT-01345-0965
KOGLER, C.	302-MON-P1711-1018
KOIKE, Y.	117-FRI-P1700-1001
KOJIC, D.	116-THU-P1700-1311
KOLARSKI, A.	204-WED-P1713-0341
KOLLER, J.	304-FRI-01330-0950
KOLLER, J.	307-TUE-P1700-0576
KONAK, N.	106-TUE-P1700-0716
KONDO, T.	206-FRI-01030-0590
KONDRASHOV, D.	307-TUE-01100-0797
KONDRASHOV, D.	307-TUE-01130-0736
KONOVALENKO, A. A.	406-WED-01330-1098
KOPAC, J.	118-THU-P1530-0682
KOPAC, J.	118-THU-P1530-0682
KOPP, V.	203-TUE-00930-0808
KOPPAN, A.	502-MON-P1700-0812
KOPPMANN, R.	404-FRI-01630-1065
KORCHIN, V.	117-FRI-P1700-1045
KOREN'KOV, Y.	204-WED-P1726-0092
KOREPANOV, V.	106-TUE-P1700-0156
KOREPANOV, V.	502-MON-01145-0155
KORHONEN, J.	505-TUE-00830-1211
KORNILOV, I. A.	302-MON-00900-0044
KORNILOVA, T. A.	302-MON-00900-0044
KOROLEVA, T.	503-TUE-P1700-0615
KORTE, M.	503-TUE-01430-0297
KORTE, M.	503-TUE-01530-0717
KORTE, M.	503-TUE-P1700-0190
KORTE, M.	114-FRI-00900-0986
KORTE, M.	114-FRI-00915-0988
KORTH, A.	302-MON-P1714-1056
KORTH, A.	304-FRI-01600-1180
KORTH, H.	310-SAT-01645-0507
KOSHIHISHI, H.	307-TUE-P1700-0960
KOSKINEN, H.	304-FRI-01030-0668
KOSOVAC, P.	503-TUE-P1700-1310
KOSTECKY, P.	201-MON-P1700-1105
KOSTECKY, P.	201-MON-P1700-1106
KOSTUK, A.	103-TUE-P1040-0271
KOTA, J.	402-TUE-00945-0734
KOTELNIKOVA, M.	101-MON-01415-0458
KOTLIK, B.	118-THU-P1530-0774
KOTOVA, G. A.	304-FRI-01430-0219
KOTSIAROS, S.	507-WED-P1702-0697
KOTZÉ, P.	502-MON-00830-0485
KOTZÉ, P. B.	503-TUE-01430-0297
KOUBA, D.	204-WED-P1715-0704
KOUBA, D.	204-WED-P1718-1069
KOUBA, D.	204-WED-P1727-0683
KOVACIKOVA, S.	105-FRI-P1700-0831
KOVÁČIKOVÁ, S.	103-TUE-P1110-0828
KOVÁČIKOVÁ, S.	105-FRI-P1700-0830
KOVÁCS, G.	118-THU-P1530-0252
KOVÁCS, P.	310-SAT-01115-0998
KOVÁCS, P.	310-SAT-P1703-1002
KOVÁCS, P.	401-TUE-01630-0338
KOVÁCS, P.	402-TUE-01100-0087
KOVÁCS, P.	208-FRI-01415-0319
KOVALAM, S.	204-WED-01030-0658
KOVALENKO, M. D.	506-SAT-P1425-0467
KOVALTSOV, G. A.	205-WED-P1705-0209
KOYAMA, T.	105-FRI-P1700-1068
KOYAMA, T.	107-WED-P1700-1278
KOZLOVSKY, A.	309-SAT-00915-0450
KOZYBEK, M.	203-TUE-01130-0028
KOZYREVA, O.	309-SAT-P1700-0423
KOZYREVA, O.	310-SAT-01415-0164

KOZYREVA, O.	310-SAT-P1707-0165
KOZYREVA, O.	502-MON-01600-0424
KÖPNICK, T.	202-THU-01415-1081
KÖRMENDI, A.	502-MON-P1700-0015
KÖRMENDI, A.	503-TUE-P1700-0014
KRANKOWSKI, A.	306-THU-01030-0194
KRANKOWSKI, A.	309-SAT-00830-0193
KRASA, D.	117-FRI-01415-0752
KRASNOSELSKIKH, V.	303-FRI-01615-0676
KRASNOSELSKIKH, V. V.	406-WED-01430-0880
KRASTEV, D.	302-MON-01145-0428
KRASTEV, R.	306-THU-P1700-0316
KREHBIEL, P. R.	201-MON-01100-0244
KRESS, B.	307-TUE-00830-1357
KRIDER, P.	201-MON-P1700-0617
KRIMIGIS, S.	405-WED-01100-1361
KRIMIGIS, S.	405-WED-01630-1070
KRIZAN, P.	203-TUE-01130-0028
KROBICKI, M.	506-SAT-P1455-0965
KRONBERG, E.	302-MON-P1710-1014
KRONBERG, E. A.	302-MON-P1714-1056
KRONBERG, E. A.	302-MON-P1712-0769
KRUPAR, V.	406-WED-01345-0898
KRUPP, N.	405-WED-01030-1070
KRYPIAK-GREGORCZYK, A.	306-THU-01030-0194
KUANG, W.	101-MON-01030-1264
KUANG, W.	507-WED-01530-1131
KUANG, W.	114-FRI-01130-1117
KUBICKI, M.	201-MON-00915-0456
KUBICKI, M.	205-WED-P1711-0344
KUBOTA, M.	D02-SAT-00900-0607
KUCHAREK, H.	403-FRI-P1700-1217
KUCKS, R.	506-SAT-00945-0542
KUCKS, R.	506-SAT-00830-1246
KUDELA, K.	403-SAT-01030-0397
KUDÓ, I.	118-THU-P1530-0252
KUDÓ, I.	118-THU-P1530-0707
KULAK, A.	201-MON-00915-0456
KULCHINSKIY, R.	504-THU-P1720-0514
KULIKOV, V.	118-THU-P1530-0072
KULKARNI, A.	D02-SAT-00930-0462
KULKARNI, V. H.	D02-SAT-01530-0421
KULKARNI, V. H.	206-FRI-01145-0536
KUMAMOTO, A.	303-THU-01600-0365
KUMAMOTO, A.	303-THU-P1700-0568
KUMAR PANT, T.	D01-WED-P1700-0197
KUMAR, K. K.	D01-WED-01630-0371
KUMAR, S.	D02-SAT-P1720-0287
KUMAR, Y. B.	D01-WED-01630-0371
KUNITAKE, M.	307-TUE-P1700-0960
KUNZE, M.	404-FRI-01600-0499
KUO, C.-L.	201-MON-00930-0789
KURIHARA, T.	118-THU-P1530-0997
KURKIN, V.	303-THU-P1700-0442
KURKIN, V.	204-THU-P1530-0466
KUSONSKI, O.	502-MON-P1700-0162
KUTEPOV, A.	204-WED-P1706-0944
KUTEPOV, A. A.	202-THU-01100-0939
KUVSHINOV, A.	105-FRI-01030-0780
KUVSHINOV, A.	105-FRI-01115-0956
KUVSHINOV, A.	107-WED-01530-0096
KUZNETSOV, V.	403-FRI-P1700-0099
KUZNETSOVA, M. M.	306-THU-01630-0141
KUZNETSOVA, T.	401-TUE-01615-0234
KUZNETSOVA, T.	403-FRI-01630-0236
KUZNETSOVA, T.	404-FRI-01430-0237
KUZNETSOVA, T.	404-FRI-P1700-0238
KUZNETSOVA, T.	H01-THU-P1700-0239
KWAK, B.	502-MON-P1700-0977
KYSEL, R.	201-MON-P1700-1106
L	
LABITZKE, K.	404-FRI-01600-0499
LAFFNER, A.	116-THU-01330-0524
LAGOVSKY, A.	306-THU-01030-0194
LAGROIX, F.	115-WED-01415-0737
LAITINEN, T.	304-FRI-01030-0668
LAITINEN, T. V.	301-MON-00945-0480
LAKHINA, G. S.	301-MON-01400-0311
LAKSHMI NARAYANAN, V.	D01-WED-P1700-0214
LAM, M. M.	205-WED-01400-0538
LAMB, D.	401-MON-P1700-0533
LAMY, H.	303-THU-P1700-1153
LANDEAU, M.	101-MON-P1700-0843
LANGA, A.	502-MON-P1700-0162
LANSBERY, L.	104-THU-01415-0347

LANZEROTTI, L. J.	403-SAT-01445-0335
LAPENNA, V.	102-MON-01045-1215
LAPTIUKHOV, A.	403-FRI-01630-0236
LARA, A.	403-FRI-P1700-0945
LARIO, D.	403-SAT-01445-0335
LARSEN, M.	205-WED-P1714-0798
LARSEN, M. F.	207-MON-01100-1280
LARSON, D.	301-MON-00830-0884
LARSON, D.	302-MON-00915-0912
LARSON, D.	302-MON-01030-0511
LARSON, D.	302-MON-01145-0428
LARSON, D.	302-MON-01615-0625
LARSON, D.	304-FRI-01100-0899
LARSON, D.	304-FRI-01130-0850
LARSON, D.	304-FRI-01445-0430
LARSON, D.	402-TUE-01345-0626
LARSON, D. E.	403-FRI-01645-0702
LARSON, D. E.	403-FRI-P1700-1217
LASTOVICKA, J.	102-MON-00830-1365
LASTOVICKA, J.	203-TUE-00830-0027
LASTOVICKA, J.	203-TUE-01130-0028
LASTOVICKA, J.	204-WED-P1721-0769
LATHUILLE, C.	504-THU-P1730-1327
LATTECK, R.	202-THU-01130-0932
LATTECK, R.	202-THU-P1700-0391
LATTECK, R.	203-TUE-01530-1062
LATTECK, R.	204-WED-01645-0859
LAUNDA, K. M.	309-SAT-00845-1103
LAUNDA, K. M.	309-SAT-00900-1193
LAVRAUD, B.	311-WED-01030-0703
LAVRAUD, B.	403-FRI-01645-0702
LAVRAUD, B.	403-FRI-P1700-1217
LAYOUN, M.	207-MON-01150-0996
LAZARIDOU, M. S.	106-WED-01100-0522
LAZUTIN, L.	403-SAT-01030-0485
LE CONTEL, O.	307-TUE-01430-1275
LE GOFF, M.	112-SAT-01130-1063
LE HUY, M.	D02-SAT-01630-0299
LE MOUËL, J. L.	106-TUE-P1700-0641
LE TRUONG, T.	D02-SAT-01630-0299
LETRONEL, O.	302-MON-P1710-1014
LEE, C.-C.	203-TUE-P1700-0958
LEE, C.-C.	203-TUE-P1700-1137
LEE, C.-Y.	106-TUEP1700-0365
LEE, D. -H.	310-SAT-01130-0692
LEE, H.	502-MON-P1700-0977
LEE, T.-Q.	506-SAT-P1430-0478
LEE, T.-Q.	111-TUE-P1725-0477
LEE, Y. S.	112-SAT-P1330-0026
LEGOFF, M.	113-MON-01530-1101
LEHMANN, C.	203-TUE-00915-1108
LEMDANI-MAZOUZ, F.	306-THU-P1704-0914
LEMEN, J. R.	401-MON-01400-1010
LEMPERGER, I.	102-MON-00930-0143
LEMPERGER, I.	118-THU-P1530-0562
LENKEY, L.	118-THU-P1530-0252
LENKEY, L.	118-THU-P1530-0707
LENKEY, L.	118-THU-P1530-0252
LENKEY, L.	118-THU-P1530-0707
LEONHARDT, R.	115-WED-01330-0904
LEONHARDT, R.	112-SAT-00900-1042
LEONTYEVA, O.	106-TUE-P1700-0156
LEPIDI, S.	502-MON-00845-1328
LEPIDI, S.	502-MON-P1700-1156
LEPIDI, S.	504-THU-P1730-1329
LEROUZIC, G.	208-FRI-01430-1221
LEŠIĆ, V.	111-TUE-00915-0112
LEŠIĆ, V.	111-TUE-P1055-0564
LESSARD, M.	307-TUE-01615-0913
LESTER, M.	302-MON-01330-1080
LESTER, M.	204-WED-P1711-0908
LESUR, V.	501-FRI-01115-1072
LESUR, V.	503-TUE-01345-1020
LESUR, V.	503-TUE-01445-0852
LESUR, V.	503-TUE-01545-0491
LEUBNER, M.	403-SAT-00900-0793
LHULLIER, F.	101-MON-00945-0855
LI, F.	106-TUE-P1700-0641
LI, B.	401-MON-01165-0181
LI, B.	406-WED-01100-0392
LI, F.	106-WED-01100-0528
LI, K.	101-MON-00830-1321
LI, Q.	106-TUE-P1700-1156
LI, Q.	106-TUE-P1700-0185
LI, W.	301-MON-01115-0627

LI, W.	304-FRI-01100-0899
LI, W.	307-TUE-01430-1275
LI, W.	402-TUE-01345-0626
LI, X.	205-WED-01100-0528
LIANG, X.	205-WED-01530-0872
LICHTENBERGER, J.	201-MON-01400-0078
LICHTENBERGER, J.	205-WED-01645-0284
LICHTENBERGER, J.	208-FRI-01100-0201
LICHTENBERGER, J.	208-FRI-01115-0718
LICHTENBERGER, J.	208-FRI-01130-0380
LICHTENBERGER, J.	208-FRI-01415-0319
LICHTENBERGER, J.	208-FRI-01530-0233
LIDDI-COAT, J. C.	112-SAT-01030-0952
LIEBERMAN, R.	204-FRI-01115-0934
LIE-SVENDSEN, O.	403-FRI-01530-1024
LIM, M.	502-MON-P1700-0971
LIMA, L. M.	D01-WED-01645-0093
LIMA, L. M.	D01-WED-P1700-1116
LIMA, L. M.	D01-WED-P1700-1288
LIMA, L. M.	206-FRI-P1712-1289
LIMA, W. L. C.	D02-SAT-P1700-0050
LIMA, W. L. C.	D02-SAT-P1700-0052
LIN, C.	107-WED-P1700-0520
LIN, C.	206-FRI-01330-1168
LIN, C. H.	206-FRI-01600-1713
LIN, C. H.	106-TUEP1700-0365
LIN, D.	506-SAT-P1500-1348
LIN, N.	302-MON-01530-0955
LIN, R. P.	205-WED-01530-0872
LIN, Y.	301-MON-01145-0927
LINDER, J.	114-FRI-P1700-0764
LINDQVIST, P.-A.	302-MON-P1715-0570
LINFORD, P.	112-SAT-01115-0730
LINTHE, H. J.	502-MON-00915-0905
LINTHE, H.-J.	502-MON-00830-0486
LINTHE, H.-J.	502-MON-01115-1140
LINTHE, H.-J.	504-THU-01115-0445
LINTHE, H.-J.	H02-FRI-01530-0438
LINTHE, H.-J.	H02-FRI-P1700-0439
LINTON, M.	403-FRI-01115-0470
LIONELLO, R.	401-MON-01530-0443
LIOW, K.	302-MON-01115-0838
LIOW, K.	303-THU-01115-1227
LIPOVICS, T.	118-THU-P1530-0252
LIPOVICS, T.	118-THU-P1530-0707
LIPOVICS, T.	118-THU-P1530-0252
LIPOVICS, T.	118-THU-P1530-0707
LITVINOVA, T. P.	117-FRI-01630-1332
LITVINOVA, T. P.	117-FRI-P1700-1114
LIU, A. Z.	D01-WED-P1700-1226
LIU, A. Z.	206-SAT-00915-1014
LIU, C. H.	206-FRI-01100-1022
LIU, C. H.	306-THU-P1706-1048
LIU, C. H.	206-FRI-01330-1168
LIU, H.	206-FRI-01030-0590
LIU, H.	206-FRI-01045-0618
LIU, H.-L.	206-SAT-00900-0474
LIU, J.	107-WED-01600-0171
LIU, J. Y.	203-TUE-P1700-1137
LIU, J. Y. T.	206-FRI-01600-1713
LIU, J. Y. T.	206-FRI-01330-1168
LIU, J. Y.	206-FRI-00900-0947
LIU, R. Y.	310-SAT-01430-0781
LIU, S.	401-TUE-01400-0663
LIU, S.-J.	505-TUE-P1700-0111
LIU, W.	104-FRI-01030-0923
LIU, X.	104-THU-P1550-0212
LIU, Y. H.	310-SAT-01430-0781
LIVEMILA, M.	204-WED-P1710-0111
LIVEMORE, P.	201-MON-00830-1321
LIVEMORE, P.	101-MON-P1700-0712
LIVI, S. A.	306-THU-01445-0940
LEWELLYN, E.	202-THU-01030-0152
LOBZIN, V. V.	401-MON-01615-0181
LOBZIN, V. V.	406-WED-01115-0064
LOCAHEV, Y.	403-SAT-01530-0530
LOGNONNE, P.	206-FRI-01615-0240
LOGVINOV, I.	103-TUE-P1110-0828
LONGDEN, N.	304-FRI-P1700-0846
LONGDEN, N.	205-WED-01600-0847
LOOPER, M.	205-WED-01100-0528
LOPEZ, L.	206-FRI-P1704-0169
LOPEZ, R. E.	304-FRI-00930-0747
LOPEZ, R. E.	104-FRI-P1700-0586
LOPEZ-LOERA, H.	117-FRI-01615-0740

MACMILLAN, S.	502-MON-01045-1169
MACMILLAN, S.	502-MON-P1700-1167
MACTAGGART, F.	502-MON-P1700-0715
MACUSOVA, E.	307-TUE-01330-0990
MACUSOVA, E.	307-TUE-P1700-1364
MADRASI, A.	106-TUE-P1700-0646
MADRASI, A.	104-THU-P1615-1162
MADDOX, M.	306-THU-P1630-1143
MAEDA, T.	106-TUE-P1700-1319
MAESTRI, M.	206-FRI-P1703-0146
MAGGILOLO, R.	303-FRI-01400-1031
MAGGILOLO, R.	303-FRI-01445-0337
MAGIERA, T.	116-THU-01345-0820
MAGNES, W.	501-FRI-P1700-1054
MAGNES, W.	106-TUE-P1700-0684
MAGNUS, L.	306-THU-P1707-0030
MAHMOUD, S.	103-TUE-00915-0081
MAHMUD, Y.	402-FRI-P1700-0056
MAHROUS, A.	206-FRI-P1717-1230
MAIER, F.	102-MON-P1120-0505
MAIER, F.	105-FRI-P1700-0563
MAJ, E.	104-THU-P1640-1194
MAKELA, J. J.	204-THU-01530-1262
MAKELA, P.	403-FRI-01415-1318
MAKITA, K.	204-THU-01445-0495
MAKSIMOVIC, M.	406-WED-01345-0898
MAKSIMOVIC, M.	406-WED-01430-0880
MAKSIMOVIC, M.	406-WED-01445-1236
MALAMA, Y.	402-TUE-P1600-1126
MALANDRAKI, O. E.	302-MON-P1706-1163
MALANDRAKI, O. E.	403-SAT-01445-0335
MALINIEMI, V.	302-MON-P1717-1087
MALINIEMI, V.	205-WED-01415-1085
MANCHESTER, W. B.	304-FRI-00830-0516
MANDEA, M.	101-MON-01045-0492
MANDEA, M.	502-MON-00915-0906
MANDEA, M.	502-MON-01115-1140
MANDEA, M.	503-TUE-01330-0464
MANDEA, M.	503-TUE-01345-1022
MANDEA, M.	503-TUE-01430-0297
MANDEA, M.	503-TUE-01445-0852
MANDEA, M.	503-TUE-01530-0717
MANDEA, M.	503-TUE-01545-0491
MANDEA, M.	503-TUE-01700-0190
MANDEA, M.	503-TUE-P1700-0253
MANDEA, M.	507-WED-01130-0857
MANDEA, M.	507-WED-P1701-1022
MANDEA, M.	501-THU-01445-0700
MANGLIK, A.	101-MON-P1730-0172
MANN, E.	502-MON-01300-0715
MANN, G.	401-MON-01615-0181
MANN, I.	302-MON-00930-1266
MANN, I.	310-SAT-P1704-0685
MANN, I. R.	302-MON-00830-0264
MANN, I. R.	302-MON-P1700-0362
MANN, I. R.	302-MON-P1701-1084
MANN, I. R.	302-MON-P1705-0587
MANN, I. R.	307-TUE-P1700-0890
MANN, I. R.	310-SAT-00900-1237
MANN, I. R.	404-FRI-01030-0923
MANNINEN, J.	205-WED-01445-0086
MANNINEN, J.	208-FRI-P1620-0616
MANOJ, C.	206-FRI-P1708-0933
MANSON, A. H.	202-THU-01130-0932
MAO, F.	505-TUE-P1700-0011
MARCHENKO, A.	506-SAT-P1410-0163
MARCIA, E.	114-FRI-P1700-1176
MARCIA, E.	116-THU-01430-1223
MARCUCCI, M. F.	301-MON-01130-0673
MARCUCCI, M. F.	304-FRI-P1700-0806
MARE, L.	104-THU-01445-1352
MAREEV, E. A.	201-MON-01600-0340
MARGHITU, O.	303-FRI-01330-0385
MARGHITU, O.	306-THU-01545-1007
MARGHITU, O.	306-THU-01615-0887
MARIANI, E.	111-TUE-00900-0120
MARIE, D. C.	116-THU-P1700-0147
MARIN-LECHADO, C.	106-TUE-P1700-1174
MARINOV, P.	203-TUE-P1700-0231
MARIS, G.	403-FRI-01045-0292
MAROTINÉ, M. K.	118-THU-P1530-1367
MARPLE, S.	302-MON-P1703-0232
MÁRQUEZ, I.	401-MON-01100-0895
MARQUIS, G.	102-MON-P1130-0792
MARQUIS, G.	106-TUE-P1700-0794

MARR, G.	404-FRI-00845-0168
MARSAL, S.	502-MON-P1700-0487
MARSAL, S.	502-MON-P1700-0788
MARSDEN, R.	404-FRI-00915-0188
MARSDEN, R. G.	403-SAT-01445-0335
MARSENIC, A.	101-MON-P1700-0318
MARSH, D.	204-WED-01330-1259
MARSH, D. R.	204-WED-01530-0579
MARSHALL, R.	502-MON-01030-1322
MARSHALL, R.	504-THU-01530-1061
MARSHALL, R.	207-MON-P1150-0996
MARTINEC, Z.	107-WED-01445-0795
MARTINELLI, P.	104-THU-P1605-0534
MARTINEZ, G. M.	401-TUE-01100-1218
MARTON, E.	506-SAT-01345-0167
MARTON, E.	506-SAT-P1455-1150
MARTON, E.	111-TUE-00915-0112
MARTON, E.	111-TUE-P1055-0564
MARTON, E.	111-TUE-P1110-0867
MARTON, E.	116-THU-P1700-0856
MARTON, P.	111-TUE-P1110-0867
MARTOS, Y.	506-SAT-P1440-0678
MARTYNEKO, O. V.	106-TUE-P1700-0199
MARTYNEKO, O. V.	208-FRI-P1615-0217
MARTYSHKO, P.	107-WED-01545-0672
MARTYSHKO, P.	115-WED-01145-0670
MARUSENKOV, A.	502-MON-01145-0155
MARUYAMA, N.	402-TUE-01345-0626
MARUYAMA, N.	402-SAT-01400-0357
MARUYAMA, N.	207-MON-00930-0359
MARUYAMA, T.	303-THU-01430-0310
MARUYAMA, T.	402-SAT-00900-0607
MASSON, A.	404-FRI-01030-0923
MASSOUD, U.	104-THU-P1555-0382
MASSOUD, U.	104-THU-P1645-0383
MASSOUD, U.	104-THU-P1645-0383
MASTERTON, S.	506-SAT-01100-1103
MATINA, G.	305-TUE-01130-0184
MATSUMOTO, H.	310-SAT-01345-0965
MATSUMOTO, Y.	301-MON-01100-1164
MATSUMURA, M.	204-THU-01630-0768
MATSUO, J.	105-FRI-P1700-0971
MATSUO, J.	506-SAT-00930-1244
MATSUOKA, A.	305-TUE-P1705-0801
MATSUSHIMA, M.	104-THU-P1630-0984
MATSUSHIMA, M.	503-TUE-01615-0970
MATUKOV, V.	106-TUE-01530-0910
MATUKOV, V.	106-TUE-P1700-0600
MATZKA, J.	310-SAT-01345-0965
MATZKA, J.	502-MON-01330-0108
MATZKA, J.	502-MON-P1700-0447
MATZKA, J.	503-TUE-01530-0717
MAULE, C. F.	118-THU-P1530-0472
MAUS, S.	506-SAT-00830-1246
MAUS, S.	507-WED-01330-0863
MAUS, S.	507-WED-01600-1075
MAUS, S.	507-WED-01645-1119
MAUS, S.	206-FRI-P1708-0933
MAUTE, A.	402-TUE-01345-0626
MAUTE, A.	402-SAT-01400-0357
MAUTE, A.	204-THU-01115-0967
MAUTE, A.	206-FRI-00900-0947
MAUTE, A.	207-MON-01030-0159
MAZELLE, C.	405-WED-01130-1092
MAZELLE, C.	403-FRI-01645-0702
MCCARTHY, M. P.	201-MON-01615-0574
MCCARTHY, M. P.	205-WED-01530-0872
MCCOMAS, D. J.	306-THU-01445-0940
MCCOMAS, D. J.	401-TUE-01530-0725
MCCORMICK, R.	307-TUE-01630-0256
MCCREADIE, H.	310-SAT-01345-0965
MCCREADIE, H.	504-THU-01415-1313
MCCREADY, M.	304-FRI-01445-0430
MCDOWELL, G.	208-FRI-01130-0380
MCCENROE, S.	117-FRI-01600-0917
MCCENROE, S. A.	115-WED-01445-1057
MCCENROE, S. A.	117-FRI-01430-1040
MCFADDEN, J.	301-MON-00830-0884
MCFADDEN, J.	302-MON-00945-0865
MCFADDEN, J.	302-MON-01030-0511
MCFADDEN, J.	302-MON-01145-0428
MCFADDEN, J.	304-FRI-01100-0899
MCFADDEN, J.	304-FRI-01445-0430
MCFADDEN, J. P.	302-MON-00915-0912

MCFADDEN, J. P.	302-MON-P1713-0864
MCFADDEN, J. P.	304-THU-P1700-0974
MCINTOSH, D. L.	204-WED-01415-0765
MCINTOSH, R.	502-MON-P1700-0715
MCINTYRE, B.	502-MON-P1700-0715
MCKINNELL, L.	310-SAT-P1710-0204
MCKINNELL, L.-A.	306-THU-P1707-0030
MCKINNELL, L.-A.	402-SAT-01145-0652
MCKINNELL, L.-A.	208-FRI-01330-1033
MCKINNELL, L.-A.	204-WED-P1719-0711
MCLEAN, S.	402-FRI-00915-1239
MCNAMARA, D.	307-TUE-P1700-0890
MEBARKI, R.	501-FRI-P1700-0197
MEDEIROS, A.	401-WED-01645-0093
MEDEIROS, A. F.	401-WED-P1700-1116
MEDEIROS, A. F.	206-SAT-00930-0420
MEDEVDEV, A.	204-WED-P1706-0944
MEDEVDEVA, I.	204-THU-01345-0446
MEEK, C.	202-THU-01130-0932
MEEK, C.	204-WED-01445-1192
MEGNER, L.	202-THU-01430-0473
MEGNER, L.	202-THU-01445-0504
MEISEL, D. D.	202-THU-01545-1183
MEISEL, D. D.	202-THU-P1700-1186
MEKKAWI, M.	103-TUE-00915-0081
MEKKAWI, M.	506-SAT-P1455-0082
MELICHAR, R.	111-TUE-P1730-0773
MELLO, J. J. S.	111-TUE-P1115-0373
MELNIK, V. N.	406-WED-01330-1098
MELNYCHUK, I.	502-MON-01430-0280
MELONI, A.	106-TUE-P1700-0684
MENARD, Y.	507-WED-01030-0613
MEFFEAT, GRIFFIN, T.	302-MON-P1702-0724
MEFFEAT, GRIFFIN, T.	204-WED-01100-0271
MENDE, S.	305-TUE-01545-0762
MENDE, S. B.	303-TUE-01530-0955
MENDEVA, B.	203-TUE-01600-0664
MENG, X.	303-THU-01130-0624
MENK, F.	208-FRI-01400-0816
MENK, F. W.	311-WED-01130-0811
MENK, F. W.	310-SAT-01530-0877
MENK, F. W.	208-FRI-00915-0875
MENVIELLE, M.	102-MON-00830-1365
MENVIELLE, M.	102-MON-00930-1348
MENVIELLE, M.	102-MON-01100-0302
MENVIELLE, M.	103-TUE-01445-0495
MENVIELLE, M.	105-FRI-P1700-0830
MENVIELLE, M.	104-THU-01145-1335
MENVIELLE, M.	504-THU-01415-1313
MENVIELLE, M.	504-THU-01630-0768
MENVIELLE, M.	504-THU-P1730-1327
MENVIELLE, M.	402-SAT-P1700-0306
MENVIELLE, M.	118-THU-P1530-0562
MENVIELLE, M.	504-THU-P1730-1336
MERRAYO, J. G.	505-TUE-00945-0744
MERAYO, J. M. G.	507-WED-01400-0941
MEREDITH, N. P.	307-TUE-01445-0668
MEREDITH, N. P.	311-WED-01430-0686
MERÉNYI, L.	310-SAT-P1711-0861
MERÉNYI, L.	208-FRI-01415-0319
MERIWETHER, J. W.	202-MON-01100-1280
MERKIN, V.	307-TUE-P1700-0073
MERRITTS, D. J.	116-THU-01145-1185
MERTENS, C. J.	205-WED-01145-1044
MESBAH, H.	104-THU-P1645-0383
MESSEROTTI, M.	403-SAT-00930-1059
MEWALDT, R. A.	404-SAT-01445-0335
MEYER-ARNEK, J.	204-WED-01600-0889
MICHNOWSKI, S.	205-WED-P1711-0344
MICHENPOUST, M. P.	107-WED-01615-1300
MIHAJLOVIC, S. J.	503-TUE-P1700-1310
MIKA, A.	201-MON-01445-0937
MIKHAEV, A.	204-THU-01345-0446
MIKUCHI, T.	118-THU-P1530-0997
MILAN, S. E.	302-MON-P1716-0674
MILLIO, A.	304-FRI-P1700-0806
MILLAN, R. M.	205-WED-01530-0872
MILLER, E. S.	204-THU-01530-1262
MILLIGAN, P.	506-SAT-00830-1246
MILLIGAN, P. R.	506-SAT-01030-0972
MILLING, D. K.	302-MON-00830-0264
MILLING, D. K.	302-MON-00930-1266
MILLING, D. K.	302-MON-P1700-0362
MILLWARD, G.	402-SAT-01400-0357
MILLWARD, G.	207-MON-00930-0359

MILU, C.	116-THU-P1700-1041
MINAMOTO, Y.	504-THU-01630-1030
MINAMOTO, Y.	402-FRI-P1700-1213
MIR, R. A.	107-WED-P1700-0638
MIRALLES, M. P.	401-TUE-00900-1307
MIRONOVA, I. A.	205-WED-P1710-0204
MIRZAEI, M.	104-THU-01400-1344
MIRZAEI, M.	506-SAT-P1445-0809
MISHIN, D.	304-FRI-01400-0964
MITCHELL, C.	206-SAT-01600-0053
MITCHELL, D. G.	308-FRI-00915-1239
MITCHELL, D. G.	405-WED-01630-1070
MITCHELL, E.	304-FRI-00930-0747
MITCHELL, E. J.	304-FRI-P1700-0586
MITCHELL, J. J.	406-WED-01530-0180
MIURA, T.	106-TUE-P1700-0979
MIYAMOTO, H.	202-THU-01530-1274
MIYASHITA, Y.	301-MON-01630-0369
MIYASHITA, Y.	302-MON-01115-0831
MIYOSHI, Y.	401-MON-00915-1094
MIYOSHI, Y.	203-TUE-00945-0503
MIYOSHI, Y.	204-WED-01330-1259
MLYNCAK, M. G.	401-WED-01400-0046
MLYNCAK, M. G.	401-WED-01645-0093
MLYNCAK, M. G.	401-WED-P1700-0116
MLYNCAK, M. G.	204-WED-01530-0579
MODULO, R.	405-WED-01030-1342
MODULO, R.	405-WED-01100-1361
MODULO, R.	405-WED-01400-1343
MODULO, R.	405-WED-01430-1362
MOEKETSI, D. M.	401-WED-P1700-0200
MOFFAT-GRIFFIN, T.	302-MON-P1702-0724
MOFFAT-GRIFFIN, T.	204-WED-01100-0271
MOFFAT-GRIFFIN, T.	205-WED-P1709-0732
MOGI, T.	104-THU-01130-1149
MOGI, T.	106-TUE-P1700-1145
MOGI, T.	107-WED-P1700-0596
MOGILEVSKY, M.	306-THU-P1703-0042
MOGILEVSKY, M.	306-THU-P1704-0914
MOGREN, S.	506-SAT-00830-1246
MOHANAKUMAR, K.	204-WED-01615-0041
MONGE, I.	502-MON-P1700-0162
MONTEIRO-SANTOS, F.	106-TUE-P1700-1174
MONTOMOLI, C.	506-SAT-P1500-1348
MOOR, L.	204-THU-01445-0495
MOORKAMP, M.	103-TUE-00945-1299
MORALES RODRIGUEZ, C. A.	201-MON-01145-1302
MORETTI, P.	106-TUE-01615-1341
MORETTO, T.	501-FRI-00830-1232
MORI, J. J.	204-THU-01630-0768
MORO, A.	506-SAT-01345-0167
MORO, J.	204-THU-01445-0495
MORRIS, E.	113-MON-01400-0751
MORRIS, R. J.	202-THU-01115-0386
MORRISON, D.	206-FRI-P1700-0377
MOSERT, M.	204-WED-P1719-0711
MOSKOWITZ, B.	115-WED-01415-0737
MOTABA, T.	310-SAT-01045-0771
MOTOBAYASHI, T.	105-FRI-01100-0655
MOUIKIS, C.	302-MON-01330-1080
MOUKASSA, B.	402-SAT-P1700-0305
MOUSTAFA, S.	506-SAT-P1405-0082
MOZER, F. S.	103-FRI-01130-0622
MOZER, F. S.	302-MON-01530-0955
MOBIUS, E.	402-TUE-01115-0745
MUCSETSE, A.	502-MON-P1700-0162
MUELA, M. H. A.	202-SAT-01600-0229
MUELLA, M.	206-SAT-01600-0053
MUELLA, M.	206-FRI-P1710-0054
MUELLER, D.	404-FRI-00915-0188
MUELLER, H.	307-TUE-00830-1357
MUHTAROV, P.	204-WED-01145-0228
MUKAI, T.	301-MON-01630-0369
MUKAI, T.	302-MON-01115-0838
MUKHERJEE, G. K.	401-WED-P1700-0200
MUKHERJEE, S.	402-SAT-01100-0127
MUKHTAROV, P.	204-WED-01445-0118
MUKHTAROV, P.	204-THU-01415-0119
MUKHTAROV, P.	206-SAT-01045-0117
MULLENDER, T. A. T.	112-SAT-00915-1082
MULLENDER, T. A. T.	113-MON-01430-0821
MULLER, D.	506-SAT-00830-1246
MULLER, M. R.	103-TUE-00830-1303
MUNOZ, A.	106-TUE-01430-1077
MUNOZ, A.	506-SAT-P1440-0678

MURAKAMI, G.	304-FRI-P1700-0876
MURAKAMI, G.	306-THU-P1705-0583
MURAKAMI, G.	208-FRI-P1625-0621
MURAKAMI, H.	105-FRI-P1700-0

NOWOZYNSKI, K.	118-THU-P1530-0472
NOZAKI, K.	303-THU-P1700-1017
NOZAWA, S.	303-THU-P1700-0844
NOZOMU, N.	303-THU-P1400-1125
NSUMEI, P.	208-FRI-00830-0839
NUNN, D.	307-TUE-P1700-1364
NURHASAN	106-TUE-01600-1248
NURHASAN	106-TUE-P1700-0782
NURHASAN	106-TUE-P1700-0897
NURHASAN	106-TUE-P1700-1225
NYBOE, N. S.	104-THU-P1430-1216
NYIRŐ-KÓSA, I.	116-THU-01600-1242

OBANA, Y.	208-FRI-00915-0875
OBANA, Y.	304-FRI-P1700-0876
OBANA, Y.	310-SAT-01530-0877
OBANA, Y.	208-FRI-P1625-0621
OBARA, T.	307-TUE-P1700-0960
OBERHEIDE, J.	404-FRI-01630-1065
OBERHEIDE, J.	D01-WED-01400-0046
OBERHEIDE, J.	204-WED-01115-0934
OBERHEIDE, J.	204-WED-01330-1259
OBROU, O. K.	D02-SAT-P1700-0306
ODAGI, Y.	204-THU-01630-0768
ODZIMEK, A.	204-WED-P1711-0908
OFFERMANN, D.	404-FRI-01630-1065
OFMAN, L.	401-MON-01630-1053
OGASAWARA, K.	306-THU-01445-0940
OGAWA, G.	208-FRI-P1625-0621
OGAWA, T.	206-SAT-00915-1104
OGAWA, Y.	104-THU-P1630-0984
OGAWA, Y.	106-TUE-01600-1248
OGAWA, Y.	303-THU-P1700-0844
OGAWA, Y.	106-TUE-P1700-0738
OGAWA, Y.	106-TUE-P1700-0782
OGAWA, Y.	106-TUE-P1700-0876
OGAWA, Y.	106-TUE-P1700-1225
OH, S. Y.	D02-SAT-01615-0870
OH, S. Y.	106-MON-00930-0502
OH, S. Y.	401-MON-P1700-0501
OH, S. Y.	206-FRI-01400-0714
OHTANI, S.	302-MON-01400-1133
OHTANI, S.	303-THU-01100-1251
OHTANI, S.-I.	303-THU-01645-0966
OHYA, H.	203-TUE-00945-0503
OIEROSET, M.	301-MON-00030-0884
OIEROSET, M.	301-MON-01115-0627
OIEROSET, M.	304-FRI-01100-0899
OKAY, H.	106-TUE-P1700-0716
OKSAVIK, K.	307-TUE-01600-0938
OKUBO, K.	106-TUE-P1700-0544
OLESEN, O.	506-SAT-00830-1246
OLIMAT, W. E.	104-THU-P1530-0002
OLIVA-URCIA, B.	111-TUE-01030-0047
OLIVA-URCIA, B.	111-TUE-00900-0120
OLIVIO, E. P. A.	D02-SAT-01545-0061
OLSEN, N.	501-FRI-00900-1011
OLSEN, N.	507-WED-01115-0834
OLSEN, N.	507-WED-01630-1111
OLSEN, N.	507-WED-P1701-1022
OLSEN, N.	507-WED-P1702-0697
OMIDI, N.	301-MON-01430-0480
OMURA, K.	106-TUE-P1700-0979
OMURA, Y.	307-TUE-01415-0758
ONDRÁŠKOVÁ, A.	201-MON-P1700-1105
ONDRÁŠKOVÁ, A.	201-MON-P1700-1106
ONO, T.	303-THU-01600-0569
ONO, T.	303-THU-P1700-0568
ONO, T.	303-THU-P1700-0844
OOKAWA, T.	310-SAT-01345-0965
OPGENOORTH, H.	404-FRI-01030-0923
OPGENOORTH, H. J.	301-MON-01600-0178
OPITZ, A.	403-FRI-01600-1334
OPITZ, A.	403-FRI-P1700-1217
OPITZ, A.	403-FRI-01645-0702
ORIOL ROSELL	105-FRI-P1700-1096
ORLICKY, O.	115-WED-P1700-0066
ORLIUK, M.	502-MON-P1700-0280
ORLIUK, M.	506-SAT-P1410-0163
ORLIUK, M.	115-WED-P1700-0161
ORLOV, I.	204-THU-01345-0446
ORLOVA, K. G.	305-MON-01130-0043
ORSINI, S.	304-FRI-P1700-0806
ORSOLINI, Y. J.	204-WED-01430-1231
ORTEGA, A. I.	114-FRI-P1700-1201

OSELLA, A.	104-THU-P1620-0572
OSELLA, A.	104-THU-P1605-0534
OSETE, M. L.	114-FRI-P1700-1198
OSHIMAN, N.	105-FRI-P1700-0272
OSHIMAN, N.	105-FRI-P1700-0982
OSHIMAN, N.	106-TUE-P1700-0979
OSHIMAN, N.	115-WED-P1700-0954
OSHIMAN, N.	204-THU-01630-0768
OSKOBI, B.	104-THU-P1625-0835
OSKOBI, B.	506-SAT-P1445-0809
OSTAPENKO, A.	208-FRI-P1620-0616
OSTGAARD, N.	309-SAT-00845-1021
OSTGAARD, N.	309-SAT-00900-1193
OTSUKA, Y.	403-SAT-01100-0065
OTSUKA, Y.	D02-SAT-01330-0038
OTSUKA, Y.	206-FRI-01115-0916
OTSUKA, Y.	206-SAT-00915-1104
OTSUKA, Y.	206-SAT-01430-0037
OTTO, A.	301-MON-01030-1254
OTTO, A.	205-WED-P1716-1260
OUADFEUL, S. A.	504-THU-P1700-1195
OZOUNOV, D.	206-FRI-01630-0175
OZHCHNIKOV, I. L.	305-MON-01130-0043
OWEN, C. J.	302-MON-P1710-1014
OWEN, C. J.	403-FRI-P1700-1217
OWEN, C. J.	404-FRI-01030-0923
OWEN, J. C.	301-MON-P1700-1128
OWENSON, N.	502-MON-P1700-0715
OYAMA, K. I.	206-FRI-01600-1173
ÖZYILDIRM, Ö.	106-TUE-P1700-0716

PACCA, I. I. G.	114-FRI-P1700-0336
PADILHA, A. L.	103-TUE-P1105-0813
PADUA, M. B.	103-TUE-P1105-0813
PAIS, A.	503-TUE-01600-1346
PAJUNPÄÄ, K.	310-SAT-01115-0998
PAJUNPÄÄ, K.	310-SAT-P1703-1002
PAL, L.	118-THU-P1530-0252
PALANGIO, P.	106-TUE-P1700-0684
PALMROTH, M.	304-FRI-01030-0668
PALMROTH, M.	304-FRI-P1700-0785
PALSHIN, N.	103-TUE-P1050-0786
PALSHIN, N.	105-FRI-P1700-0719
PALSHIN, N.	105-FRI-P1700-0800
PALSHIN, N.	103-TUE-00900-0992
PALUS, M.	118-THU-P1530-1009
PAN, Y.	115-WED-01530-1026
PANASYUK, M. I.	307-TUE-P1700-0317
PANCHEVA, D.	D01-WED-01445-0118
PANCHEVA, D.	204-WED-01145-0228
PANCHEVA, D.	204-THU-01145-0119
PANCHEVA, D.	206-SAT-01045-0117
PÁNCZEL, SZ.	118-THU-P1530-0707
PANDE, B.	D01-WED-P1700-0040
PANDEY, R.	D02-SAT-P1700-0173
PANDEY, R.	D02-SAT-P1700-0174
PANDEY, R.	206-SAT-01630-1179
PANKRATOV, O.	107-WED-01530-0096
PANOV, E.	302-MON-P1710-1014
PANT, P.	D01-WED-P1700-0040
PANT, T. K.	D02-SAT-P1700-0198
PANT, T. K.	206-FRI-01445-0195
PAPADIMITRIOU, C.	305-MON-01100-0699
PAPANDREA, E.	201-MON-01130-0985
PARANICAS, C. P.	308-FRI-00915-1239
PARIAT, E.	403-FRI-01330-0496
PARIAT, E.	404-FRI-00945-0497
PARK, J. C.	502-MON-P1700-0977
PARK, P. G.	502-MON-P1700-0977
PARNELL, C.	401-TUE-00830-0532
PARNELL, C. E.	401-MON-P1700-0533
PARNIKOV, S.	303-THU-P1700-0432
PARROT, M.	307-TUE-01630-0256
PARROT, M.	501-FRI-P1700-1197
PARROT, M.	106-WED-01115-0642
PARROT, M.	205-WED-01115-0255
PARROT, M.	208-FRI-01530-0233
PASCHMANN, G.	301-MON-01615-0735
PASCHKEVICH, I.	506-SAT-P1410-0163
PASKO, V. P.	201-MON-01700-0244
PASMA, C.	301-MON-01615-0735
PATEL, K. S.	D01-WED-P1700-0444
PATHAN, B. M.	310-SAT-P1706-0269
PATHAN, B. M.	D02-SAT-00930-0462
PATHAN, B. M.	201-MON-01430-0417

PATHAN, B. M.	205-WED-P1702-0416
PATIL, P. T.	D01-WED-P1700-0200
PATSOURAKOS, S.	401-MON-01330-1320
PATTERSON, G.	406-WED-01115-0064
PATTERSON, G.	502-MON-01030-1322
PATTERSON, G.	504-THU-01530-1061
PAU, M.	504-THU-P1730-1327
PAUDEL, L.	506-SAT-P1500-1348
PAULA, E.	206-SAT-00930-0420
PAULO, C. M.	204-THU-01445-0495
PAUTET, P. D.	206-SAT-00930-0420
PAUTET, P. D.	202-THU-01645-0975
PAVON, F. J.	114-FRI-P1700-1198
PAVON-CARRASCO, F. J.	114-FRI-P1700-1198
PAVON-CARRASCO, J.	114-FRI-00930-1161
PAXTON, L.	303-THU-01115-1227
PAXTON, L.	D02-SAT-01615-0870
PAXTON, L.	206-FRI-00945-0744
PAXTON, L.	206-FRI-01400-0714
PEDERSEN, A.	304-FRI-01145-1016
PEDERSEN, L.	103-TUE-00900-0992
PEDERSEN, L. W.	502-MON-P1530-0108
PEDERSEN, L. W.	502-MON-P1700-0447
PEDRERA, A.	106-TUE-01415-1191
PEDRERA, A.	106-TUE-P1700-1174
PEDRERA, A.	106-TUE-P1700-1174
PEDRERA, A.	106-TUE-P1700-1233
PEK, J.	502-MON-P1700-0715
PEK, J.	103-TUE-P1110-0828
PEK, J.	103-TUE-P1045-0701
PEK, J.	105-FRI-P1700-0830
PELLINEN-WANNBERG, A.	202-THU-01545-1183
PELLINEN-WANNBERG, A.	202-THU-P1700-1186
PELTER, A.	502-MON-00945-1255
PENOU, E.	403-FRI-01645-0702
PENQUERC'H, V.	501-FRI-00845-1234
PEREZ CRUZ, L.	117-FRI-01400-1285
PEREZ DE-TEJADA, H.	405-WED-01330-0216
PEREZ CRUZ, L.	116-THU-P1700-0739
PEREZ DE-TEJADA, H.	405-WED-01530-0260
PEREZ-PERAZA, J.	304-FRI-P1700-0785
PEREZ-PERAZA, J.	401-MON-P1700-0760
PESNELL, W. D.	202-THU-01100-0939
PESINA, A. M.	502-MON-P1700-0791
PETELINA, S.	202-THU-01030-0152
PETELINA, S. V.	202-THU-01100-0939
PETERSON, W. K.	305-TUE-00830-0414
PETERSON, W. K.	204-THU-01430-0468
PETHE, M.	111-TUE-P1110-0867
PETHE, M.	118-THU-P1530-0252
PETHÖ, G.	107-WED-01345-0452
PETRINEC, S.	301-MON-00915-1094
PETRINEC, S. M.	301-MON-01530-0374
PETRINEC, S. M.	301-MON-01645-0454
PETROCHLOS, L.	115-WED-01115-0692
PETROV, O. V.	117-FRI-01630-1332
PETROV, P.	118-THU-P1530-0825
PETROV, V.	403-FRI-01630-0236
PETROVA, A. A.	117-FRI-P1700-1114
PETROVAY, K.	403-FRI-00930-1046
PETROVSKY, E.	118-THU-P1530-0682
PETROVSKY, E.	118-THU-P1530-0774
PETROVSKY, E.	118-THU-P1530-1189
PETROVSKY, E.	118-THU-P1530-1189
PETROVSKI, J.	118-THU-P1530-0252
PETROVSKI, J.	118-THU-P1530-0774
PETRUKOVIČ, A. A.	302-MON-P1709-1294
PETTKE, T.	111-TUE-00915-0940
PEZZOPANE, M.	208-FRI-01330-1033
PIAFF, R.	205-WED-P1714-0798
PIAFF, R. F.	201-MON-01615-0574
PHAN, T.	301-MON-00830-0884
PHAN, T.	301-MON-01115-0627
PHAN, T.	301-MON-01600-0178
PHAN, T.	301-MON-01615-0735
PHAN, T.	304-FRI-01100-0899
PHAN, T. D.	403-FRI-01645-0702
PHILLIPS, C.	101-MON-01600-1099
PIANCATELLI, A.	310-SAT-P1530-0888
PIANCATELLI, A.	310-SAT-P1702-0882
PIANCATELLI, A.	106-TUE-P1700-0684
PICKETT, J. S.	301-MON-01400-0311
PICKETT, J. S.	307-TUE-01330-0990
PICKETT, J. S.	307-TUE-P1700-1364
PIERRARD, V.	208-FRI-00900-1091

PIERSANTI, M.	501-FRI-00915-0815
PIETROPAOLO, E.	106-TUE-P1700-0684
PIGNATELLI, A.	506-SAT-01115-1166
PILAR GUERALT	105-FRI-P1700-1096
PILGER, C.	204-WED-01600-0889
PILIPENKO, V.	307-TUE-P1700-0746
PILIPENKO, V.	310-SAT-01145-0361
PILIPENKO, V.	310-SAT-01400-0920
PILIPENKO, V.	310-SAT-P1704-0685
PILIPENKO, V. A.	205-WED-P1703-0398
PILKINGTON, M.	506-SAT-00830-1246
PILLAT, V. G.	D02-SAT-P1700-0050
PILLAT, V. G.	D02-SAT-P1700-0052
PILLAT, V. G.	D02-SAT-P1700-0070
PILLAT, V. G.	D02-SAT-P1700-0071
PIMENTA, A.	306-THU-P1702-0840
PIMENTA, A.	204-WED-P1704-0139
PIMENTA, A.	206-FRI-P1703-0146
PIMENTA, A. A.	D02-SAT-P1700-1074
PIMENTA, A. A.	206-FRI-P1704-0169
PIMENTA, A. A.	206-FRI-P1706-0133
PINCON, J.-L.	118-THU-P1530-0562
PINCON, J.-L.	404-FRI-01030-0923
PINCON, J.-L.	118-THU-P1530-0562
PINHEIRO, K.	503-TUE-01630-0350
PINTO JR., O.	201-MON-P1700-0617
PINTO, L. G. R.	103-TUE-P1105-0813
PIPER, S.	502-MON-P1700-0715
PIROG, O.	303-THU-P1700-0442
PIROG, O.	204-THU-01345-0446
PLANK, G.	507-WED-01030-0613
PLANK, G.	507-WED-P1702-0697
PLASZENKA, D.	506-SAT-01455-1150
PLATEAUX, R.	111-TUE-P1225-0477
PLUMAR, C.	113-MON-01400-0751
POKORNY, J.	113-MON-01330-0832
POLEKH, N.	303-THU-P1700-0442
POLETTI, G.	403-FRI-01430-0419
POLOTT, R. W.	307-TUE-P1700-0890
POPOV, T.	118-THU-P1530-0825
POSCH, J.	307-TUE-01615-0913
POSCH, J.	310-SAT-01545-0854
POSFAL, M.	116-THU-01600-1242
POUS, J.	106-TUE-01415-1191
POUS, J.	106-TUE-P1700-1174
POUS, J.	106-TUE-P1700-1190
PRABHAKAR, S.	106-TUE-P1700-0433
PRÄCSER, E.	106-TUE-P1700-0646
PRÄCSER, E.	115-WED-01130-0645
PRATTES, G.	501-FRI-P1700-1054
PRATTES, G.	106-TUE-P1700-0684
PRATTES, G.	H02-FRI-P1700-1118
PREUSSE, P.	202-THU-01630-0981
PREUSSE, P.	203-TUE-00915-1108
PRICE, C.	201-MON-01115-0699
PRICE, C.	201-MON-P1700-1345
PRICE, C.	203-TUE-01630-0177
PRieto, A.	116-THU-01115-0148
PRIMDAHL, F.	505-TUE-00915-0943
PRIMDAHL, F.	507-WED-01400-0941
PRIVADARSHI, F.	D02-SAT-P1700-0287
PRODAN, T. H.	118-THU-P1530-0836
PROKHOROV, B. E.	106-TUE-P1700-1199
PRUNER, P.	506-SAT-P1450-1102
PRUNER, P.	111-TUE-P1130-0773
PITTSYNA, N. G.	H02-FRI-P1700-0160
PITTSYNAD, N. G.	H01-THU-P1700-0140
PU, Z.	302-MON-01330-1080
PUEYO, E. L.	111-TUE-01030-0047
PULINETS, M. S.	302-MON-00900-0044
PULINETS, M. S.	305-MON-01130-0043
PULINETS, S.	206-FRI-P1713-0091
PULKINEN, T.	304-FRI-01030-0688
PULKINEN, T.	304-FRI-P1700-0775
PURUCKER, M.	501-FRI-01030-0833
PURUCKER, M.	507-WED-01115-0834
PURUCKER, M.	508-FRI-01430-0515
PURUCKER, M. E.	505-TUE-01130-1151
PUSHKAREV, P.	118-THU-P1530-0072
PUSHKAREV, P.	107-WED-P1700-0902
PUSHKAREV, P.	118-THU-P1530-0072
PUSZTA, S.	505-TUE-01045-1086
PYANKOV, V.	115-WED-01145-0670

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QAMILI, E.	501-FRI-01130-0166
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QAMILI, E.	503-TUE-P1700-0620
QIONG, W.	502-MON-P1700-0817
QUAGLINO, N.	504-THU-01130-1308
QUEVEDO, M.	204-THU-01615-0639

R	
RAAB, D.	118-THU-P1530-

ROMÁN-BERDIEL, T.	111-TUE-00900-0120
ROMANO, G.	102-MON-01045-1215
ROMANO, G.	106-TUE-01615-1341
ROMANOVA, N.	307-TUE-P1700-0746
ROMENETS, A.	502-MON-P1700-0280
RONG, Z.	502-MON-P1730-0763
ROSELL, O.	106-TUE-01400-1304
ROSSENOVIST, L.	301-MON-01600-0178
ROSSOLENKO, S.	301-MON-00945-0031
ROSSOLENKO, S. S.	302-MON-00900-0044
ROSSOLENKO, S. S.	305-MON-01130-0043
ROTH, M.	303-THU-01415-0995
ROTH, M.	303-FRI-01445-0337
ROTH, M.	403-FRI-01100-1025
ROUBLEV, A.	107-WED-01545-0672
ROUGIER, J.	204-THU-01115-0967
ROUILLARD, A. P.	403-FRI-01645-0702
ROUX, A.	307-TUE-01430-1275
ROUX, E.	103-TUE-00945-1299
ROWLAND, D.	205-WED-P1714-0798
ROWLAND, D. E.	201-MON-01615-0574
ROY, I.	506-SAT-01030-0972
ROY, I.	107-WED-01645-0656
ROZANOV, E.	205-WED-P1706-0301
ROZIMANT, K.	506-SAT-P1420-0384
RÖTTGER, J.	202-THU-01415-1081
RUANO, P.	106-TUE-P1700-1190
RUBIO, B.	116-THU-P1700-1175
RUCKER, H. O.	406-WED-01330-1098
RUÍZ-CONSTÁN, A.	106-TUE-01415-1191
RUÍZ-CONSTÁN, A.	106-TUE-P1700-1174
RUÍZ-CONSTÁN, A.	106-TUE-P1700-1190
RUÍZ-CONSTÁN, A.	106-TUE-P1700-1233
RUNOV, A.	302-MON-01030-0511
RUNOV, A.	302-MON-01145-0428
RUNOV, A.	304-FRI-01445-0430
RUOHONIEMI, M.	305-TUE-01545-0762
RUSSELL III, J. M.	202-THU-01645-0975
RUSSELL III, J. M.	202-THU-01330-0482
RUSSELL III, J. M.	202-THU-01445-0504
RUSSELL, C. T.	302-MON-00930-1266
RUSSELL, C. T.	302-MON-01115-0838
RUSSELL, C. T.	302-MON-01400-1133
RUSSELL, C. T.	302-MON-P1700-1157
RUSSELL, C. T.	310-SAT-00900-1237
RUSSELL, C. T.	403-FRI-01600-1334
RUSSELL, C. T.	403-FRI-01645-0702
RUSSELL, J. M.	D01-WED-01645-0093
RUSSELL, J. M.	D01-WED-P1700-1116
RUZHIN, Y.	309-SAT-00830-0191
RYBIN, A.	103-TUE-P1040-0271
RYBIN, A.	106-TUE-01530-0920
RYBIN, A.	106-TUE-P1700-0600
RYU, D.	310-SAT-01130-0692

SABA, M.	201-MON-P1700-0617
SABA, M. M. F.	201-MON-00930-0789
SABA, N.	D02-SAT-P1700-0796
SABAKA, T.	506-SAT-00945-0542
SABAKA, T. J.	507-WED-P1701-1022
SABAKA, T. J.	507-WED-01115-0834
SABIT, J. P.	106-TUE-P1700-0541
SAFRANKOVA, J.	301-MON-00930-0585
SAFRANKOVA, J.	301-MON-01445-0584
SAFRANKOVA, J.	301-MON-00900-1050
SAFRANKOVA, J.	301-MON-P1700-1097
SAHAI, Y.	303-THU-01445-1181
SAHAI, Y.	D02-SAT-01430-0048
SAHAI, Y.	D02-SAT-P1700-0050
SAHAI, Y.	D02-SAT-P1700-0052
SAHAI, Y.	D02-SAT-P1700-0070
SAHAI, Y.	D02-SAT-P1700-0071
SAILHAC, P.	102-MON-P1130-0792
SAILHAC, P.	102-MON-P1130-0792
SAILHAC, P.	106-TUE-P1700-0794
SAINCTAVIT, P.	115-WED-01415-0737
SAITA, S.	307-TUE-P1700-0960
SAITA, S.	310-SAT-P1704-0685
SAITO, A.	204-THU-01630-0768
SAITO, M. H.	302-MON-01115-0838
SAITO, S.	D02-SAT-00900-0607
SAITO, Y.	301-MON-01630-0369
SAITO, Y.	302-MON-01115-0838
SAKAGUCHI, K.	303-THU-P1700-0974
SAKANAKA, S.	106-TUE-01645-0561

SAKANAKA, S.	106-TUE-P1700-1272
SAKANAI, K.	202-THU-P1700-1265
SAKURABA, A.	101-MON-01145-0680
SALAH, S.	506-SAT-P1405-0082
SALEH, A.	506-SAT-P1405-0082
SALEM, A.	506-SAT-P1415-0322
SALTUS, R.	506-SAT-00830-1246
SAMPLE, J. G.	205-WED-01530-0872
SAMROCK, F.	105-FRI-P1700-0563
SAMSONOV, A.	301-MON-00930-0585
SANCHEZ ALMEIDA, J.	401-MON-01100-0895
SANDAH, I.	303-FRI-01630-0529
SANDAH, I.	303-THU-P1700-1153
SANDANGER, M.	307-TUE-01600-0938
SANDBERG, I.	306-THU-01530-1089
SANDHOLST, P. E.	301-MON-P1700-1351
SANGALLI, L.	205-WED-P1714-0798
SANOQ, Y.	204-THU-01630-0768
SANTOVAIA, H.	111-TUE-P1120-1165
SANTOVAIA, H.	111-TUE-P1120-1165
SANTIKA, I. K. O.	502-MON-P1700-0162
SANTOLIK, O.	307-TUE-01330-0990
SANTOLIK, O.	307-TUE-P1700-1364
SANTOLIK, O.	310-SAT-01600-0883
SANTOLIK, O.	406-WED-01345-0898
SANTOLIK, O.	204-WED-P1727-0683
SANTOS, A. M.	206-FRI-P1700-0334
SANTOS, A. M.	206-FRI-P1701-0343
SANTOS, F.	104-THU-P1555-0382
SANTOS, F. M.	106-TUE-01415-1191
SANTOS, J. C.	401-MON-01415-0315
SAO-SABBAS, F.	201-MON-01130-0985
SAO-SABBAS, F.	201-MON-01145-1302
SARASWAT, V.	203-TUE-P1700-0116
SARILS, N. V.	106-WED-01100-0522
SARRIS, E. T.	302-MON-P1706-1163
SASAI, Y.	106-TUE-P1700-0543
SASAI, Y.	106-TUE-P1700-0640
SASAI, Y.	106-TUE-P1700-0543
SASAI, Y.	106-TUE-P1700-0640
SATHISHKUMAR, S.	206-SAT-01115-0279
SATHISHKUMAR, S.	206-SAT-01145-1360
SATO, K.	202-THU-P1700-1265
SATO, Y.	303-THU-P1700-0844
SATORU, G.	201-MON-00930-0789
SATORU, G.	201-MON-00945-0270
SATORU, G.	201-MON-P1700-0192
SATORU, G.	201-MON-P1700-0226
SATORU, G.	D01-WED-01645-0093
SATU, M.	118-THU-P1530-0077
SAULI, P.	204-WED-P1715-0704
SAULI, P.	204-WED-P1727-0683
SAULI, P.	204-WED-P1718-1069
SAUTER, E. A.	502-MON-01130-0915
SAUVAUD, J. A.	405-WED-01530-0260
SAUVAUD, J. A.	307-TUE-01630-0256
SAUVAUD, J. A.	403-FRI-01600-1334
SAUVAUD, J. A.	403-FRI-01645-0702
SAUVAUD, J. A.	403-FRI-P1700-1217
SAUVAUD, J. A.	205-WED-01115-0255
SAVENKO, B.	117-FRI-P1700-1045
SAVINA, O.	204-WED-P1702-0278
SAWA, T.	105-FRI-P1700-0971
SAYANAGI, K.	105-FRI-P1700-0971
SAYANAGI, K.	506-SAT-00930-1244
SAZYKIN, S.	D02-SAT-01400-0357
SCHAEFER, R.	206-FRI-00945-0744
SCHAEFFER, N.	503-TUE-01600-1346
SCHAEER, J.	203-TUE-P1700-0891
SCHER, J.	204-WED-01330-1259
SCHERLIESS, L.	304-FRI-01530-0980
SCHILLINGER, W.	113-MON-01400-0751
SCHINDLER, K.	305-TUE-00915-1208
SCHLEGEL, K.	H01-THU-01530-0548
SCHMIDLIN, F. J.	202-THU-P1700-0549
SCHMIDT, C.	204-WED-01600-0889
SCHMIDT, H.	204-WED-01330-1259
SCHMIDT, V.	111-TUE-00930-0675
SCHMIEDER, B.	403-FRI-01330-0496
SCHMIEDER, B.	404-FRI-00945-0497
SCHMITTER, E. D.	107-WED-01430-0003
SCHMITTER, E. D.	D02-SAT-00900-0607
SCHMOLDT, J. P.	106-TUE-01400-1304
SCHMUTZ, W.	404-FRI-01430-0366
SCHNABL, P.	506-SAT-P1450-1102
SCHNABL, P.	111-TUE-P1130-0773

SCHOLER, M.	401-TUE-01645-0326
SCHOLGER, R.	116-THU-01330-0524
SCHOLGER, R.	116-THU-P1700-0525
SCHOTT, J.-J.	502-MON-00845-1328
SCHOTT, J.-J.	502-MON-01115-1140
SCHOTT, J.-J.	502-MON-P1700-1156
SCHOTT, J.-J.	504-THU-P1730-1329
SCHOTT, J.-J.	508-FRI-01330-0632
SCHRECKENBERGER, B.	506-SAT-00830-1246
SCHRIEVER, D.	302-MON-01445-0756
SCHROEDER, P.	403-FRI-01645-0702
SCHRODER, W.	H01-THU-P1700-0001
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SCHUCH, N. J.	306-THU-01145-0346
SCHUCH, N. J.	501-FRI-P1700-0170
SCHUCH, N. J.	502-MON-01400-0493
SCHUCH, N. J.	204-WED-01400-0138
SCHUCH, N. J.	204-THU-01445-0495
SCHUCH, N. J.	204-WED-P1700-0352
SCHUNK, R. W.	304-FRI-01530-0980
SCHWARTZ, S. J.	404-FRI-01030-0923
SCHWARTZ, G.	502-MON-01345-1276
SCHWARZ, I.	H01-THU-01330-0841
SCHWARZBACH, C.	107-WED-01430-0648
SCHWINGENSCHUH, K.	501-FRI-P1700-1054
SCHWINGENSCHUH, K.	106-TUE-P1700-0684
SCHIFFER, M.	504-THU-01530-1061
SCHIFFER, M. D.	310-SAT-01330-1286
SEDAGHAT, B. R.	104-THU-P1625-0835
SEGARRA, A.	504-THU-P1730-0790
SEKAR, R.	D02-SAT-01030-0036
SEKI, K.	301-MON-01100-1165
SELESNICK, R.	205-WED-01100-0528
SEMENTOV, A.	105-FRI-01030-0780
SEMENTOV, V.	103-TUE-P1700-0803
SEMENTOV, V. S.	302-MON-P1712-0049
SEMENTOV, V. S.	102-MON-01030-0777
SENGUPTA, A.	104-THU-01045-0191
SEPPÄLÄ, A.	304-MON-P1702-0724
SEPPÄLÄ, A.	205-WED-01130-1159
SEPPÄLÄ, A.	205-WED-01645-0720
SEPPÄLÄ, A.	205-WED-P1706-0301
SERGEEV, V.	302-MON-01030-0511
SERGEEV, V.	302-MON-P1707-1156
SERGEEV, V. A.	302-MON-P1712-0049
SERGIEENKO, T.	303-FRI-01630-0829
SERGIEENKO, T.	303-THU-P1700-1153
SERGIS, N.	405-WED-01100-1361
SEVCIK, S.	101-MON-P1700-0318
SEVCÍK, S.	201-MON-P1700-1105
SEVCÍK, S.	201-MON-P1700-1106
SGÁRCIU, V.	505-TUE-00845-0241
SHAGIMURATOV, I.	306-THU-01030-0194
SHAGIMURATOV, I.	309-SAT-00830-0193
SHALIMOV, S.	201-MON-01445-0937
SHANAHAN, T.	502-MON-P1700-1167
SHANKER, D.	506-SAT-01330-0017
SHARMA, A. K.	D01-WED-P1700-0200
SHARMA, D. K.	201-MON-01630-0581
SHARMA, S.	D02-SAT-P1700-0173
SHARMA, S.	D02-SAT-P1700-0174
SHARMA, S. P.	104-THU-01045-0191
SHARMA, S. P.	107-THU-P1700-0225
SHATALINA, M. V.	201-MON-01600-0340
SHAW, J.	112-SAT-00945-0722
SHAW, J.	112-SAT-01115-0730
SHAW, J.	112-SAT-P1330-0731
SHCHERBAKOV, V.	116-THU-01645-1349
SHCHERBAKOV, V. P.	112-SAT-P1330-0664
SHCHERBAKOV, V. P.	115-WED-01030-0074
SHE, C.-Y.	206-FRI-01530-1228
SHEMIS, A.	206-FRI-P1717-1230
SHEN, C.	302-MON-01330-1080
SHEPHERD, S.	309-SAT-00945-1257
SHEPHERD, S.	310-SAT-01400-0920
SHERIFF, B.	104-THU-01330-1157
SHESTOPALOV, I.	504-THU-P1710-0514
SHETTI, D. J.	D01-WED-P1700-0200
SHEVTSOV, B. M.	303-THU-01710-0017
SHI, J. K.	302-MON-01330-1080
SHI, Y. L.	118-THU-P1530-0604
SHIBASAKI, K.	401-MON-01600-0018
SHIBATA, Y.	202-THU-P1700-1265
SHIGEMORI, E. H.	306-THU-P1701-0554
SHI-JUN, L.	507-WED-P1704-0222

SHI-JUN, L.	507-WED-P1705-0221
SHIMIZU, H.	105-FRI-P1700-0983
SHIMIZU, H.	105-FRI-P1700-1068
SHIMOIZUMI, M.	105-FRI-P1700-0982
SHINAGAWA, H.	D01-WED-01330-0761
SHINAGAWA, H.	204-THU-01630-0768
SHINBORI, A.	303-THU-01600-0569
SHINBORI, A.	303-THU-P1700-0568
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SHINBORI, A.	310-SAT-P1705-0726
SHINBORI, A.	403-SAT-01130-0601
SHINBORI, A.	206-SAT-01330-0603
SHINDE, B. N.	506-SAT-P1400-0075
SHINGAI, M.	105-FRI-P1700-0982
SHINOHARA, I.	302-MON-01115-0838
SHINOHARA, I.	402-TUE-01415-1055
SHINOHARA, M.	303-THU-P1700-1017
SHIOKAWA, K.	303-THU-P1700-0974
SHIOKAWA, K.	403-SAT-01100-0065
SHIOKAWA, K.	D02-SAT-01330-0038
SHIOKAWA, K.	203-TUE-00945-0503
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SHIOKAWA, K.	207-MON-01130-1109
SHIOZAKI, I.	105-FRI-P1700-0982
SHIRESHA, M.	107-WED-P1700-0611
SHIRMAN, B.	118-THU-P1530-0441
SHPRITS, Y.	307-TUE-00830-1357
SHPRITS, Y.	307-TUE-01100-0797
SHPRITS, Y.	307-TUE-01130-0736
SHPRITS, Y.	307-TUE-01545-1199
SHPRITS, Y.	307-TUE-P1700-0073
SHPYNEV, B.	204-THU-01345-0446
SHUSTOV, N.	118-THU-P1530-0478
SIBECK, D. G.	302-MON-00830-0264
SIDOROVA, L.	206-FRI-01130-1031
SIDOROVA, L.	206-FRI-P1705-1128
SIGAEVA, E.	401-TUE-01600-0331
SILVA, B. R. F.	114-FRI-P1700-0336
SILVA, L.	507-WED-01645-1119
SIMKANIN, J.	101-MON-P1700-0481
SIMO, S.	405-WED-01430-1362
SIMON, C.	303-THU-P1700-1153
SIMONICH, D.	D01-WED-P1700-0577
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SIMONICH, D.	204-WED-P1704-0139
SIMONS, F.	505-TUE-P1700-0728
SIMPSON, F.	105-FRI-01045-0460
SINCICJO, J.	106-TUE-P1700-0541
SINDELAROVA, T.	204-WED-P1719-0711
SINDELAROVA, T.	204-WED-P1723-0666
SINDELAROVA, T.	204-WED-P1727-0683
SINDELAROVA, T.	204-WED-P1721-0769
SINGER, B.	114-FRI-01115-0935
SINGER, H.	302-MON-00830-0264
SINGER, H. J.	307-TUE-01530-0085
SINGER, W.	202-THU-01130-0932
SINGER, W.	202-THU-P1700-0391
SINGER, W.	203-TUE-01530-1062
SINGER, W.	204-WED-01330-1259
SINGER, W.	204-WED-01645-0859
SINGH, A. K.	310-SAT-P1706-0269
SINGH, A. K.	D02-SAT-P1700-0287
SINGH, A. K.	205-WED-P1702-0416
SINGH, K. H.	506-SAT-P1415-0322
SINGH, O. P.	506-SAT-01130-0017
SINGH, R. P.	106-WED-01145-1349
SINGH, V.	303-THU-P1700-0032
SINGH, V. P.	506-SAT-01130-0017
SINHA, A. K.	310-SAT-P1706-0269
SINHA, A. K.	201-MON-01430-0417
SINHA, A. K.	205-WED-P1702-0416
SINHA, R.	302-MON-P1700-0641
SINISCALCHI, A.	102-MON-01045-1215
SINISCALCHI, A.	106-TUE-01615-1341
SINITO, A. M.	116-THU-01115-0148
SINITO, A. M.	116-THU-P1700-0147
SIQUEIRA, J.	306-THU-01145-0346
SIQUEIRA, J.	501-FRI-P1700-0170
SIQUEIRA, J.	502-MON-P1400-0493
SIRIPUNVARAPORN, W.	107-WED-P1700-0604
SKINDO, D. E.	202-THU-01445-0504
SIZARET, S.	111-TUE-P1100-1353
SKORDAS, E. S.	106-WED-01100-0522

SKOUG, R. M.	403-FRI-P1700-1217
SKOUG, R. M.	403-FRI-01645-0702
SLAVIN, J. A.	302-M

T	
TADA, N.	107-WED-P1700-0694
TAGUCHI, M.	208-FRI-P1625-0621
TAGUCHI, Y.	504-THU-P1630-1030
TAHA, A.	104-THU-P1645-0383
TAIRA, K.	204-THU-P1630-0768
TAKACS, E.	104-THU-P1610-0540
TAKAHASHI, Y.	201-MON-01530-0948
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TAKAHASHI, H.	D01-WED-P1700-1116
TAKAHASHI, H.	206-SAT-00930-0420
TAKAHASHI, H.	206-FRI-P1712-1289
TAKAHASHI, K.	310-SAT-00900-1237
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TAKAHASHI, K.	310-SAT-P1701-0733
TAKANO, T.	106-TUE-P1700-1319
TAKEDA, M.	310-SAT-01345-0965
TAKEDA, M.	504-THU-P1330-1363
TAKEDA, M.	204-THU-P1630-0768
TAKEMURA, A.	204-THU-P1630-0768
TAKEUCHI, N.	106-TUE-P1700-0544
TALAAT, E.	204-WED-01115-0934
TALAAT, E.	206-FRI-01400-0714
TALAAT, E. R.	206-FRI-01430-1333
TALEAB, A.	506-SAT-P1405-0082
TAN, H.	107-WED-P1700-0520
TANAKA, K.	301-MON-01330-0622
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TANG, B. B.	304-FRI-00900-0154
TANGBORN, A.	101-MON-01030-1264
TANGBORN, A.	507-WED-01530-1131
TANGBORN, A.	114-FRI-01130-1117
TANJUNG, F. I.	310-SAT-P1709-0442
TANK, S. B.	106-TUE-P1700-0897
TANK, S. B.	106-TUE-P1700-0738
TANK, S. B.	106-TUE-P1700-0782
TANSKANEN, E.	504-THU-01615-0107
TARABEES, E.	104-THU-01415-0347
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TARASOV, V.	103-TUE-P1130-0828
TARIS, P.	118-THU-P1530-0562
TATARINOV, P.	206-FRI-P1716-0304
TATRALLYAY, M.	401-TUE-01415-0035
TAUXE, L.	112-SAT-P1330-0742
TAYLOR, M.	404-FRI-01030-0923
TAYLOR, M.	203-TUE-P1700-0891
TAYLOR, M. G. G. T.	302-MON-01330-1080
TAYLOR, M. J.	202-THU-01645-0975
TAYLOR, M. J.	206-SAT-00930-0420
TAYLOR, P. T.	505-TUE-01045-1086
TAYLOR, W.	105-FRI-01130-1229
TAYMAZ, T.	506-SAT-01145-0021
TELEKI, A.	115-WED-01600-0848
TELESKA, L.	102-MON-01045-1215
TEMA, E.	112-SAT-01100-0387
TENG, Y. T.	502-MON-P1700-0959
TEODOSIEV, D.	303-THU-P1700-1200
TERADA, N.	303-THU-P1600-0569
TERADA, N.	303-THU-P1700-0568
TERASAWA, T.	403-SAT-01345-0650
TERASAWA, T.	202-THU-01530-1274
TERESHYN, A.	101-MON-P1700-0115
TEREŠNYN, A.	101-MON-P1700-0115
TESTE, A.	303-FRI-01400-1031
THEBAULT, E.	507-WED-01630-1111
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THIAGARAJAN, A.	D02-SAT-P1700-1129
THOMAS, J. N.	106-TUE-P1700-0659
THOMAS, M.	507-WED-01130-0857
THOMPSON, B.	403-FRI-00830-1338
THOMPSON, D.	D01-WED-P1700-0200
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THOMSEN, M. F.	307-TUE-01530-0085
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THOMSON, A.	504-THU-P1730-0567
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THOMSON, C.	502-MON-01030-1322
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THOMSON, N.	307-TUE-01630-0256
THOMSON, N.	205-WED-01115-0255
THOMSON, N. R.	302-MON-P1702-0724
THOMSON, N. R.	203-TUE-01615-0614
THOMSON, N. R.	208-FRI-01030-0149
THORNE, R.	307-TUE-01130-0736
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THORNE, R. M.	205-WED-01030-0946
THORRE, G.	404-FRI-01430-0366
TITOV, S. V.	204-WED-P1708-0962
TITOVA, E.	208-FRI-P1620-0616
TITOVA, E. E.	307-TUE-P1700-1364
TIWARI, D.	D01-WED-P1700-0197
TIWARI, D.	206-SAT-01530-1052
TKACHENKO, O.	301-MON-00900-1050
TODOROVICH, D.	116-THU-P1700-1311
TOFFNER-CLAUSEN, L.	507-WED-P1701-1022
TOFFOLETTO, F.	302-MON-01615-0625
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TOH, H.	105-FRI-01100-0655
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TOKUNAGA, T.	307-TUE-P1700-0890
TOMIĆ, D.	111-TUE-00915-0112
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TOMIKAWA, Y.	202-THU-P1700-1265
TOMIZAWA, I.	204-THU-P1630-0768
TOMIZAWA, Y.	106-WED-01130-0545
TONEV, P.	204-WED-P1712-0333
TONG, T.	107-WED-P1700-0520
TONG, X.	107-WED-01600-0171
TORBERT, R.	304-FRI-01145-1016
TORBERT, R. B.	301-MON-P1700-1128
TORBERT, R. B.	302-MON-P1711-1018
TORRI, M.	118-THU-P1530-0997
TORTA, J. M.	114-FRI-P1700-1198
TORTA, J. M.	502-MON-P1700-0487
TOTH, G.	303-THU-01130-0624
TOTH, G.	304-FRI-00830-0516
TOTH, J.	201-MON-00945-0270
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TOUTAIN, J. P.	106-TUE-P1700-0640
TÖRKÖ, T.	403-FRI-01145-0274
TRANQUILLE, C.	403-SAT-01445-0335
TRATTNER, K.	301-MON-00915-0924
TRATTNER, K. J.	301-MON-01530-0374
TRATTNER, K. J.	301-MON-01645-0454
TRIGUBOVICH, G.	105-FRI-P1700-0800
TRIPALDI, S.	106-TUE-01615-1341
TRIVEDI, B. N.	306-THU-01145-0346
TRIVEDI, N. B.	502-MON-01400-0493
TRONDSEN, E.	302-MON-P1703-0232
TROSHICHEV, O.	504-THU-01045-1083
TROTTIGNON, J. G.	306-THU-P1703-0042
TROTTIGNON, J. G.	306-THU-P1704-0914
TROTTIGNON, J.-G.	402-TUE-01100-0087
TRUONG, F.	502-MON-00945-1255
TSACHEVA, T.	118-THU-P1530-0825
TSAI, H. F.	206-FRI-01330-1168
TSANG, S.	405-WED-01600-1029
TSENG, W.-L.	405-WED-01445-1013
TSENG, W.-L.	405-WED-01645-1015
TSHISAPHUNGO, M.	306-THU-P1707-0030
TSUGAWA, T.	D02-SAT-00900-0607
TSUJI, Y.	305-TUE-P1705-0801
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TSUTSUMI, M.	202-THU-P1700-1265
TSUTSUMI, M.	207-MON-01130-1109
TU, J.	208-FRI-00830-0839
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TU, W.	205-WED-01100-0528
TUNCER, M. K.	310-SAT-01345-0965

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TUNYI, I.	506-SAT-P1435-1113
TUNYI, I.	113-MON-01600-1369
TURBITT, C.	502-MON-00930-1130
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TURUNEN, E.	306-THU-01100-1267
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TZIOTZIOTI, K.	306-FRI-01530-1089
TYASTO, M. I.	H02-FRI-P1700-0160
TYASTOD, M. I.	307-TUE-P1700-0140
TYCHOLIZ, C.	104-THU-P1330-1157
TYLKA, A. J.	205-WED-P1705-0209
TYSSOY, H. N.	205-WED-01145-1044
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UBRANKOVICS, CS.	118-THU-P1530-0562
UEDA, M.	202-THU-01530-1274
UEMIZU, K.	306-THU-P1705-0583
UEMOTO, J.	D02-SAT-00900-0607
UENO, G.	303-THU-01645-0966
UENO, M.	306-THU-P1705-0583
UJIHARA, N.	106-TUE-P1700-0684
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UKHORSKIY, A.	307-TUE-01545-1187
ULLA, P.	118-THU-P1530-0077
UMEDA, T.	402-TUE-00930-0604
UMINO, S.	117-FRI-P1700-1001
UOZUMI, T.	303-THU-P1700-1017
UOZUMI, T.	307-TUE-P1700-0890
UOZUMI, T.	310-SAT-P1705-0726
URAM, J.	116-THU-P1700-0856
URBAN, J.	204-WED-01430-1231
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URRUTIA-FUCUGAUCHI, J.	117-FRI-01615-0740
USOSKIN, I.	401-MON-P1400-1245
USOSKIN, I. G.	205-WED-P1705-0209
USSAMI, N.	107-WED-P1700-0513
UTADA, H.	105-FRI-P1700-0983
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UTSUGI, M.	106-TUE-P1700-0544
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ÜÇER, A.	106-TUE-P1700-0716
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VÁČZOVÁ, M.	505-TUE-P1700-0411
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VADAS, S. L.	D01-WED-01600-0469
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VADAS, S. L.	206-SAT-00930-0420
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VAITH, H.	302-MON-P1701-1018
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VAIVADS, A.	301-MON-01330-0622
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VALACH, F.	505-TUE-P1700-0411
VALACH, F.	H02-FRI-P1700-0410
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VALETTE, J.-J.	504-THU-P1730-1327
VALTONEN, E.	403-SAT-01415-0804
VAN DER HOLST, B.	304-FRI-00830-1050
VAN DER VOO, R.	114-FRI-01100-0660
VAN DRIEL-GESZTELYI, L.	403-FRI-01145-0274
VAN VELDHIJZEN, E.	201-MON-01115-0679
VANACKER, J.-F.	502-MON-00845-1328
VANDAS, M.	401-TUE-01115-1058
VAPIREV, A.	302-MON-01615-0625
VAPIREV, A.	402-TUE-01345-0626
VALENTSOV, I.	105-FRI-P1700-0830
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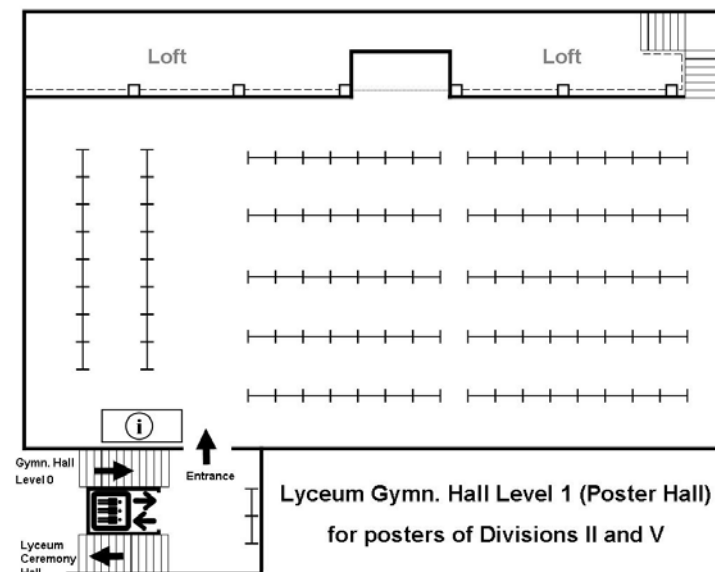
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VAROTOS, P. A.	106-WED-01100-0522
VASS, L.	118-THU-P1530-0707
VASSAL, J.	102-MON-01100-0302
VASSILEVA, A.	203-TUE-P1700-0231
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VASYLIUNAS, V. M.	204-THU-01400-0565
VEERASWAMY, K.	106-TUE-P1700-1047
VEERASWAMY, K.	106-TUE-P1700-0321
VEERASWAMY, K.	106-TUE-P1700-0330
VEGAS-TUBÍA, N.	112-SAT-P1330-0531
VELÁZQUEZ-JIMÉNEZ, M. T.	502-MON-P1700-0353
VELÁZQUEZ-JIMÉNEZ, M.-T.	502-MON-P1700-0354
VELIMNSKY, J.	503-TUE-01630-0350
VELIMSKY, J.	105-FRI-00915-0779
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VELINOV, P.	204-WED-P1712-0333
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VELLANTE, M.	106-TUE-P1700-0684
VELLANTE, M.	208-FRI-01330-1033
VENNERSTROM, S.	501-FRI-00830-1232
VERBANAC, G.	403-FRI-01100-1025
VERBANAC, G.	503-TUE-P1700-1090
VERESHCHAGINA, M.	118-THU-P1530-0072
VERGASOVA, G.	204-WED-P1701-0004
VERGES, J. M.	114-FRI-P1700-1201
VERIGIN, M. I.	304-FRI-01430-0219
VERONIG, A. M.	403-FRI-01345-0277
VERÓ, J.	310-SAT-01115-0998
VERÓ, J.	310-SAT-P1712-0701
VERÓ, J.	208-FRI-01415-0319
VERRONEN, P. T.	306-TUE-P1712-0701
VERWICHTE, E.	401-MON-01445-1120
VESELOVSKY, I.	402-TUE-01445-1155
VESELOVSKY, I. S.	402-TUE-00830-0136
VESELOVSKY, I. S.	H01-THU-P1700-0140
VESELOVSKY, I. S.	H02-FRI-P1700-0160
VESTERGAARD OLESEN, A.	505-TUE-00915-0943
VICTOR VELASCO-HERRERA, V.	401-MON-P1700-0759
VICTOR VELASCO-HERRERA, V.	401-MON-P1700-0760
VIDOJEVIC, S.	406-WED-01445-1236
VIEIRA, L. E. A.	401-TUE-01130-1203
VIEIRA, M. R.	117-FRI-01400-1285
VILA, P.	102-MON-01100-0302
VILA, P.	D02-SAT-P1705-0726
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VILJANEN, A.	504-THU-01615-0107
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VILLACORTE, E. U.	106-TUE-P1700-0640
VILLALAIN, J. J.	112-SAT-P1330-0531
VILLALAIN, J. J.	114-FRI-P1700-1201
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VILMER, N.	406-WED-01030-1066
VINCENT, R.	204-WED-01030-0658
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VIRTANEN, I.	401-MON-P1700-1071
VIRTANEN, I. I.	403-FRI-01615-1107
VITTORELLO, I.	103-TUE-P1705-0813
VLAD, M.	505-TUE-00845-0241
VLADIMIR, G.	204-WED-P1705-1182
VOEYKOV, S. V.	204-WED-P1717-0976
VOGIATZIS, I. I.	302-MON-P1706-1163
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VOGT, J.	303-THU-01030-0422
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VOICULESCU, M.	303-THU-01415-0995
VOITENKO, N.	303-FRI-01430-1258
VOLOKITIN, A. S.	406-WED-P1703-0880
VOLWERK, M.	302-MON-01330-1080
VOLWERK, M.	302-MON-P1701-1084
VOLWERK, M.	302-MON-P1708-0931
VOLWERK, M.	302-MON-P1710-1014
VOLWERK, M.	405-WED-01130-1092
VON AULOCK, F. W.	115-WED-01330-0904
VON DOBENECK, T.	115-WED-01100-0418
VON DOBENECK, T.	116-THU-01530-1355

VON DOBENECK, T.	116-THU-P1700-1175
VON FRESE, R. R. B.	506-SAT-00830-1246
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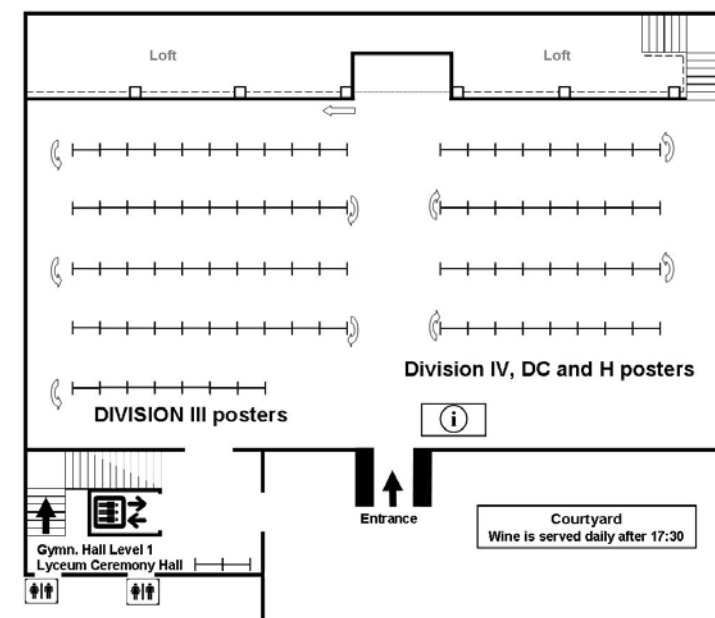
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YAMADA, M.	303-THU-01600-0569	YOSHIKAWA, A.	307-TUE-P1700-0890
YAMAGUCHI, S.	105-FRI-P1700-0982	YOSHIKAWA, I.	304-FRI-P1700-0876
YAMAMOTO, M.	206-FRI-01115-0916	YOSHIKAWA, I.	306-THU-P1705-0583
YAMAMOTO, T.	H02-FRI-P1700-1213	YOSHIKAWA, I.	310-SAT-01530-0877
YAMAMOTO, Y.	112-SAT-00830-0033	YOSHIKAWA, I.	208-FRI-00915-0875
YAMAMOTO, Y.	112-SAT-P1330-0026	YOSHIKAWA, I.	208-FRI-P1625-0621
YAMAO, M.	402-TUE-00930-0604	YOSHIMURA, R.	105-FRI-P1700-0272
YAMAUCHI, M.	302-MON-P1715-0570	YOSHIMURA, R.	105-FRI-P1700-0982
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YAMAUCHI, M.	405-WED-01330-0216	YOSHIMURA, R.	115-WED-P1700-0954
YAMAWAKI, T.	106-TUE-P1700-0782	YOSHIOKA, K.	306-THU-P1705-0583
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YAMAYA, Y.	106-TUE-P1700-1145	YOUNG, D. T.	405-WED-01100-1361
YAMAZAKI, A.	105-FRI-P1700-0982	YOUNG, D. T.	405-WED-01630-1070
YAMAZAKI, A.	306-THU-P1705-0583	YOUNG-LEE, D.	304-FRI-01445-0430
YAMAZAKI, A.	208-FRI-P1625-0621	YU, M. S.	502-MON-P1700-0977
YAMAZAKI, K.	106-TUE-01645-0561	YUAN, T.	204-WED-01330-1259
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YAMAZAKI, R.	402-TUE-00930-0604	YUMOTO, K.	303-THU-P1700-1017
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YAN, F.	507-WED-P1704-0222	YUMOTO, K.	310-SAT-P1704-0685
YAN, F.	507-WED-P1705-0221	YUMOTO, K.	310-SAT-P1705-0726
YAN, Y.	406-WED-01130-0345	YUMOTO, K.	106-TUE-P1700-0544
YANDO, K.	205-WED-01530-0872	YUNTIAN, T.	502-MON-P1700-0817
YANG, D.	106-TUE-P1700-0156	YUSUF, M.	502-MON-P1700-0162
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YANG, D. M.	502-MON-P1700-0959	YVETOT, P.	106-TUE-P1700-0640
YANG, G.	D01-WED-P1700-0577		
YANG, J.	305-TUE-P1701-1135	ZACCARIA, J.	502-MON-00845-1328
YANKOVA, R.	118-THU-P1530-0825	ZADOROZHNYA, V.	104-THU-01445-1352
YASHIRO, S.	403-FRI-01415-1318	ZADOROZHNY, A.	203-TUE-01445-0293
YASUKEVICH, Y. V.	204-WED-P1717-0976	ZAHARIA, S. G.	305-MON-01115-0892
YAU, A.	303-THU-01600-0569	ZAIZON, N.	116-THU-P1700-0856
YAU, A.	306-THU-01345-0403	ZAKHARENKOVA, I.	306-THU-01030-0194
YAU, A.	404-FRI-01100-0415	ZAKHARENKOVA, I.	309-SAT-00830-0193
YEARBY, K. H.	208-FRI-01030-0149	ZAKHARENKOVA, I.	206-FRI-01630-0175
YEOMAN, T. K.	310-SAT-00945-0851	ZAMLUTTI, C. J.	204-WED-P1709-0434
YI, Y.	401-MON-00930-0502	ZAMPIERI, D.	506-SAT-01345-0167
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YILMAZ, H.	106-TUE-P1700-0716	ZAOURAR, N.	501-FRI-P1700-1197
YOKOTAMA, T.	206-FRI-01115-0916	ZAOURAR, N.	504-THU-P1700-1195
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YORDANOVA, E.	303-THU-P1700-1200	ZASLAVSKY, A.	406-WED-01445-1236
YOSHIDA, SH.	101-MON-P1700-1249	ZBORIL, R.	118-THU-P1530-0774

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ZESTA, E.	303-THU-01630-0763
ZHAN, T.	205-WED-P1714-0798
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ZHEN-CHANG, A.	507-WED-P1704-0222
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ZHEREBTSOV, G.	303-THU-P1700-0442
ZHEREBTSOV, G.	204-THU-01345-0446
ZHIDKOV, G. V.	112-SAT-P1330-0664
ZHIZHIN, M.	304-FRI-01400-0964
ZHONG, Q.	401-TUE-01400-0663
ZHOU, M.	302-MON-01445-0756
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ZIEGER, B.	308-FRI-00900-0748
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ZLOTNICKI, J.	106-TUE-P1700-0641
ZLOTNICKI, Z.	506-SAT-P1425-0467
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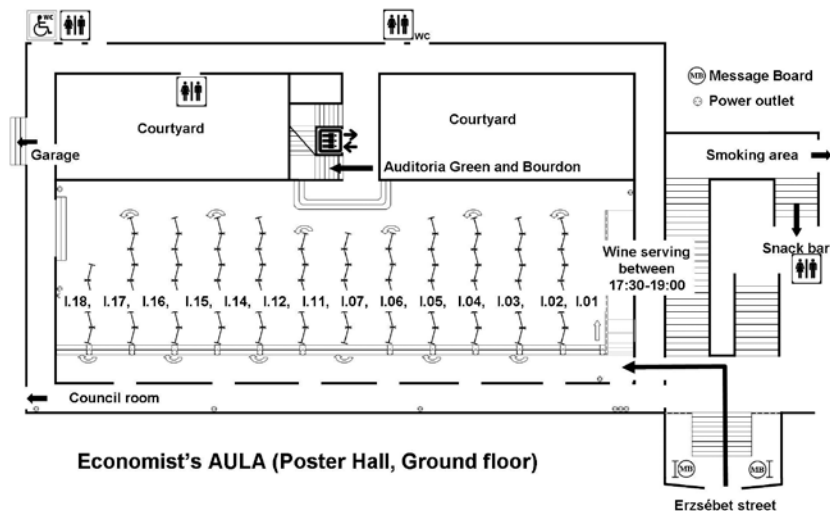
LYCEUM GYMNASIUM HALLS (LEVELS 0, 1)



Lyceum Gymn. Hall Level 0 (Poster Hall)



AULA



Economist's AULA (Poster Hall, Ground floor)

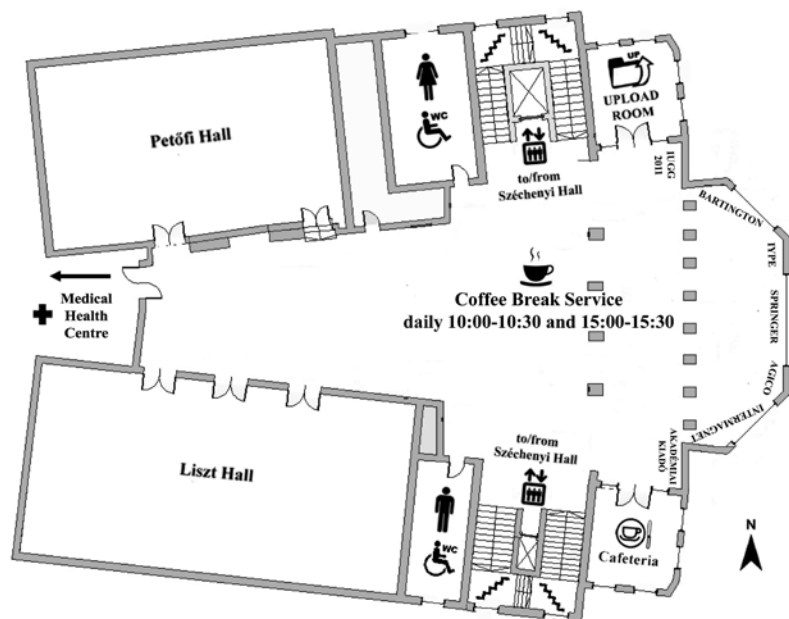
LISZT FERENC CONFERENCE AND CULTURAL CENTRE (LFCCC)

Second Floor (Level 4): LFCCC Széchenyi, Meditation Hall

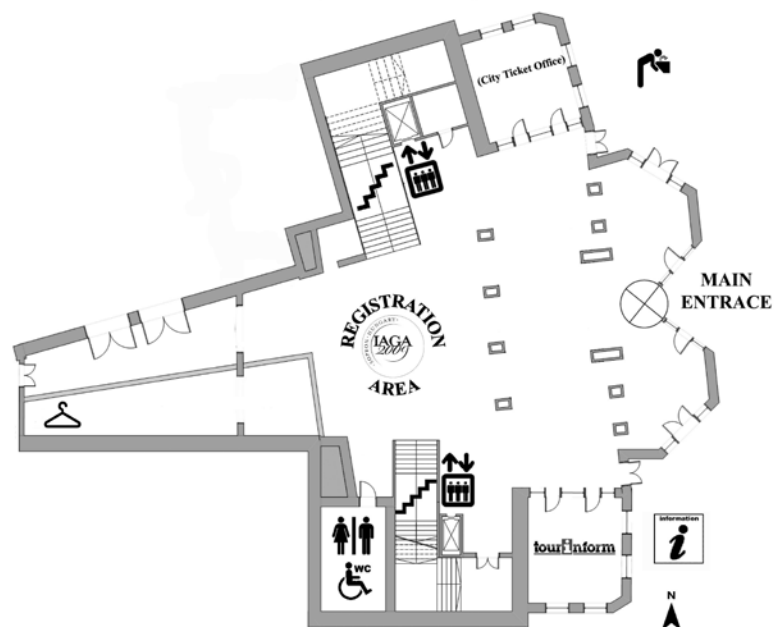
First Floor (Level 2): LFCCC Liszt, LFCCC Petőfi, Upload, Exhibition, Coffee Break, Cafeteria, First Aid

Ground floor (Level 0): Registration Area, Info desks

FIRST FLOOR (shown as LEVEL 2)



GROUND FLOOR (shown as LEVEL 0)



Notes

Notes

DAY SESSION	TIME	AUDITORIUM GREEN	AUDITORIUM BOURDON	THEATRE	PAINTER'S HALL	LFCCC PETŐFI	EDUCATOR'S HALL	LFCCC SZÉCHENYI	LFCCC LISZT	PANNONIA	LYCEUM, ST. URSULA, SZIG	LYCEUM GYM. HALLS (POSTERS)	LEVEL 0	LEVEL 1	AULA (POSTERS)
THURSDAY, AUGUST 27															
BLOCK 1	08:30-10:00	-	-	-	-	ASSOC. LECT. 2 ON VIDEO	-	-	ASSOC. LECT. 2	-	-	OPEN	OPEN	OPEN	OPEN
BLOCK 2	10:30-12:00	I.16	I.04	II.04	II.02	III.03	III.06	-	-	V.04	-	OPEN	OPEN	OPEN	OPEN
LUNCHTIME	12:00-13:30	-	-	-	-	-	-	-	-	-	-	OPEN	OPEN	OPEN	OPEN
BLOCK 3	13:30-15:00	I.16	I.04	II.04	II.02	III.03	III.06	-	IV.07	V.04	H.01 LYCEUM	OPEN	OPEN	OPEN	OPEN
BLOCK 4	15:30-17:00	I.16	I.04	II.04	II.02	III.03	III.06	-	IV.07	V.04	H.01 LYCEUM	OPEN	OPEN	OPEN	OPEN, I18: AULA (COUNCIL ROOM)
POSTER SESSION	17:00-19:00	-	-	-	-	-	-	-	-	-	-	OPEN, III.03, II.06, H.01	OPEN, II.02, V.04	OPEN, I.04, I.16, I.18	OPEN, I.04, I.16, I.18
EVENING	19:00-	-	-	-	-	-	-	BANQUET 20:00	-	-	-	-	-	-	-
FRIDAY, AUGUST 28															
BLOCK 1	08:30-10:00	I.05	I.14	II.06	II.08	III.04	III.08	IV.04	IV.03	V.01	10:00-12:00: CD 2, LYCEUM	OPEN	OPEN	OPEN	OPEN
BLOCK 2	10:30-12:00	I.05	I.14	II.06	II.08	III.04	III.08	IV.04	IV.03	V.01	-	OPEN	OPEN	OPEN	OPEN
LUNCHTIME	12:00-13:30	-	-	-	-	-	-	-	-	-	-	OPEN	OPEN	OPEN	OPEN
BLOCK 3	13:30-15:00	I.17	-	II.06	II.08	III.04	III.03	IV.04	IV.03	V.08	H.02 LYCEUM	OPEN	OPEN	OPEN	OPEN
BLOCK 4	15:30-17:00	I.17	-	II.06	II.08	III.04	III.03	IV.04	IV.03	V.08	H.02 LYCEUM	OPEN	OPEN	OPEN	OPEN
POSTER SESSION	17:00-19:00	-	-	-	-	-	CANVES-II 17:30-20:30	-	-	-	-	OPEN, II.04, IV.03, V.04, H.02	OPEN, II.06, II.08, V.01	OPEN, I.05, I.14, I.17	OPEN, I.05, I.14, I.17
EVENING	19:00-	-	-	-	ENAVEY 19:30	-	-	CONCERT 20:00	-	-	-	-	-	-	-
SATURDAY, AUGUST 29															
BLOCK 1	08:30-10:00	I.12	-	II.06	DC.02	III.09	III.10	-	IV.03	V.06	-	OPEN	OPEN	OPEN	OPEN
BLOCK 2	10:30-12:00	I.12	-	II.06	DC.02	-	III.10	-	IV.03	V.06	PRESS CONF. SZIG (10:30)	OPEN	OPEN	OPEN	OPEN
LUNCHTIME	12:00-13:30	-	-	-	-	-	-	-	-	-	-	OPEN	OPEN	OPEN	OPEN
BLOCK 3	13:30-15:00	-	-	II.06	DC.02	-	III.10	-	IV.03	V.06	-	OPEN	OPEN	OPEN, I.12	OPEN, I.12
BLOCK 4	15:30-17:00	-	-	II.06	DC.02	-	III.10	-	IV.03	-	OUTREACH SZIG (17:00)	OPEN, V.06	OPEN, V.06	OPEN	OPEN
POSTER SESSION	17:00-19:00	-	-	-	-	-	-	-	CLOSING SESSION	-	-	OPEN, III.09, III.10, DC.02	OPEN	OPEN	OPEN
EVENING	19:00-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

EC headquarter: Perkovitz House, 1st floor. EC meetings: SUN23 12-14, TUE25 19-21, THU27 14-16, SAT29 10-12.

11th Scientific Assembly

11^{ème} Assemblée Scientifique

Sopron (Hungary)

August 23–30, 2009



International Association of Geomagnetism
and Aeronomy, member of International Union
of Geodesy and Geophysics



Oral sessions:

- ① Congress Centre (LFCCL)
- ② Theatre
- ③ Painter's Hall
- ④ Educator's Hall
- ⑤ Pannonia
- ⑥ Auditoria
- ⑦ Lyceum

Poster sessions:

- ⑥ Aula
- ⑦ Gymnastic Halls

Other locations:

- ⑧ SZIG
- ⑨ St. Ursula
- ⑩ Main Square
- ⑪ Lutheran Church
- ⑫ Perkovátz House
- ⑬ Child Care Faculty
- ⑭ Railway Station
- ⑮ Central Bus Terminal
- ⑯ GGRI

