
* ISWI Newsletter - Vol. 16 No. 003

10 March 2024 *

* Editor: George Maeda, georgemaeda3[at]gmail.com

* Archive of back issues: ISWI Website <https://iswi-secretariat.org/>

* Archive of all ISWI webinars:

* <https://www.youtube.com/playlist?list=PLaOqa4cng0GF3cKuj6Yz5kqG1BQ-Akkhr>

* Send subscription request to: iswisupport@bc.edu

Dear ISWI Newsletter Subscriber:

There are now two versions of this newsletter:

- [1] Full version, with all attachments
- [2] Text-only version, without the attachments.

[1] is uploaded to the ISWI website (newsletter archives)

[2] is distributed via email.

The dead line for material submission is: 10th of each month

The newsletter is distributed via email a few days later.

As a humanitarian matter, I ask that you read **Item [08]** below.

Dr. Magdi received his Phd from Kyushu University in 2013.

He was forced to flee his native Sudan due to the ongoing civil strife in this homeland. He seeks the help and

support of the ISWI community. No need to contact ISWI.

His contact info is on his CV, which is provided below.

I believe many of you have met Magdi at various events, such as AGU.

Cordially,
George Maeda
Editor of the ISWI Newsletter

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. Data Acquisition and Processing, to be held in Brazil from

. October 31 through November 6, 2024.

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[03] SCOSTEP/PRESTO Newsletter Archive

[04] Workshop of Monitoring Geospace Disturbances from the Ground:

- . Scientific Challenges, Observational networks,
- . and International Collaboration (2024 IMCP Workshop
- . [_Brazil_Sept.23-27](#)

[05] All presentations of the 2024 ISWI Steering Committee Meeting

[06] Invitation to the 4th International Conference on Space,
. Planetary and Climate Sciences Research (Ethiopia)
. Conference dates: 29-30 May 2024.

[07] CALLISTO status report/newsletter #98

[08] A Sudanese member of the ISWI community is now a
. refugee in Saudi Arabia, and desperately seeks
. your guidance, advice, support, and information.
. He has sent a message and has provided his CV.

[09] African Geophysical Society (AGS)
. AGS Newsletter - March 2024, Vol. 7, No. 3
. In English and in French.

[01]-----

FROM UNOOSA on 13 Feb 2024:

Dear ISWI Participants:

Please find attached the Announcement of the
*XXth IAGA Workshop on Geomagnetic Observatory Instruments,
Data Acquisition and Processing*, to be held in Brazil from
October 31 through November 6, 2024.

Kind regards, Shafa

See:

First_circular_XXth_IAGA_Workshop.pdf

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[02]-----

A Special Report for the ISWI Newsletter.....

PHOTO REPORT OF 2024 ISWI MEETING VIENNA, AUSTRIA

By: DR KIROSLOSSE M. GIRGIS; I-SPES, Kyushu University, Fukuoka, Japan
13 February 2024.
It is attached as PDF.

SEE: Photo Report_ISWI_SC_Mtg_2024_by Kirolosse.pdf

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[03]-----

SCOSTEP/PRESTO Newsletter Archive

<https://scostep.org/resources/scostep-presto-newsletter-archive/>

Screenshot is attached.

See: screen shot of scostep archives.pdf

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[04]-----

**Workshop of Monitoring Geospace Disturbances from the Ground:
Scientific Challenges, Observational networks,
and International Collaboration (2024 IMCP Workshop) _Brazil_Sept.23-27**

FROM: lwren@spaceweather.ac.cn
TO: ISWI Newsletter.
DATE: 19 FEB 2024

Dear ISWI Community members,

We are excited to announce the Workshop of Monitoring Geospace Disturbances from the Ground: Scientific Challenges, Observational networks, and International Collaboration (2024 IMCP Workshop) will be held in São Paulo, Brazil, in September 23-27, 2024.

Understanding the fundamental geospace processes that shape our solar-terrestrial environment, encompassing the entangled coupling of magnetosphere, ionosphere, upper atmosphere, lower atmosphere and Solid Earth, is a crucial objective for the world Space Weather community as well as a major societal challenge. To properly address this scientific challenge and make progress on space weather specification and forecast capabilities, the development of synergistic uses of ground-based geospace monitoring, space-borne observations and sophisticated modeling tools is mandatory. With major space missions such as SMILE, GDC, and DYNAMIC targeting global geospace system science on the horizon, coordinated operation of world-wide ground-based observation networks over long periods will be critical to study the diverse multi-scale, multi-regions coupling processes impacting geospace at temporal scales ranging from minutes to decades and even longer.

Workshop Objectives

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The main objective of the 2024 IMCP Workshop in Sao Paulo, Brazil is to advocate the unique contributions of ground-based observations and the particular significance of global and regional collaboration in addressing the broad challenges of understanding and monitoring geospace. The Workshop will be the ideal platform to showcase cross-scale and interdisciplinary discoveries, and enhance observational effectiveness through organized networks for ground-based observational coordination. An illustrative example of collaborative global network is the International Meridian Circle Program (IMCP).

IMCP focuses on geospace observation and research along the two Great Meridian Circles spanning 120° E/60° W longitudes (encompassing the Asian-Australian, North American, and South American regions) as well as 30° E/150° W Europe-Africa and Central Pacific longitudes. Dozens of observational facilities in the Chinese sectors, as part of the Chinese Meridian Project, constitute one of the cornerstones for the IMCP eastern hemisphere.

Scientific Programme

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The scientific programme of the workshop, which will take place during the peak of the present solar cycle, will cover the broad spectrum of phenomena which contribute in an intricately way to the variability of our space environment: solar and geomagnetic activities, geospace disturbances, atmospheric weather and climate, earth magnetic field variations, and solid earth hazards. Its open format will facilitate in-depth discussions on the sources of space weather variability and modeling of geospace disturbances, and foster the emergence of new ideas for instrumentation and international coordination using IMCP and other networks.

A great venue at a symbolic time

Scheduled for the week of September 23-27, 2024, in Sao Paulo, Brazil, the workshop will coincide with the 63rd anniversary of the National Institute for Space Research (INPE) and the 10th anniversary of the China-Brazil Joint Laboratory for Space Weather (CBJLSW). This venue, which symbolizes the spirit of collaboration and excellence in space weather research, will be the ideal place for the international community to engage in discussions about geospace disturbances monitoring, space/ground-based coordination, and modeling.

We look forward to welcoming you to Sao Paulo's amazing spring!

Important Dates

Workshop Dates: 23-27 September, 2024
Abstract Submission Deadline: 31 July, 2024
Registration Deadline: 1st September, 2024

Organizing Committee Co-Chairs

-Chi Wang, National Space Science Center (NSSC), CAS
-Clezio De Nardin, National Institute for Space Research (INPE), Brazil
-Shun-Rong Zhang, Massachusetts Institute of Technology, USA
-Michel Blanc, Institut de Recherche en Astrophysique
et Planétologie (IRAP), Observatoire Midi-Pyrenees, France

LOC and Contact information

-Liwen Ren (lwren@spaceweather.ac.cn)
-Patrícia Leite (patricia.leite@inpe.br)
-Sheila.huang (sheila.huang@nssc.ac.cn)
-Zhengkuan Liu (liuzhengkuan@nssc.ac.cn)

-----Liwen Ren
International Meridian Circle Program (IMCP) Manager
National Space Science Center (NSSC), Chinese Academy of Sciences (CAS)
Beijing, China
lwren@spaceweather.ac.cn

[05]-----

FROM: Kathleen Kraemer, Manager of the ISWI Website
DATE: 21 Feb 2024.

Hi all,
The presentations for the ISWI Steering Committee meeting are now available on the ISWI site at

<https://iswi-secretariat.org/home-page/organization/steering-committee-meetings-archive/steering-committee-meeting-2024/>

Regards, Kathleen

[06]-----

FROM: Yekoye Asmare Tariku; on behalf of the Organizing Committee
TO: ISWI Newsletter
DATE: 22 Feb 2024

Invitation to the 4th International Conference on Space, Planetary and Climate Sciences Research (Ethiopia)
Conference dates: 29-30 May 2024.

Dear colleagues,

I hope this email finds you well. We are pleased to announce the 4th International Conference on Space, Planetary and Climate Sciences Research with the theme "Space and Planetary Sciences Conference (SPSC)" to be held in Addis Ababa, Ethiopia.

For detail information about the conference, please see the call announcement and share it with your colleagues having good research engagement in the described thematic areas

Invitation to the 4th International Conference on Space, Planetary and Climate Sciences Research
The Space and Planetary Science Department (SPSD) at Space Science and Geospatial Institute (SSGI) in collaboration with Bahir Dar University (BDU) physics department is calling for a hybrid (in-person or webinar) conference alternatives aiming at bringing together all researchers, engineers and lead scientists: in order to discuss and update each other on the current developments of space, planetary and atmospheric sciences to explore our resources, capabilities and opportunities for a concerted partnership on common goals.

Rationale of the conference:

Space derived information and space-based technologies are important to assess the vulnerability of communities to space and planetary sciences, space weather, climate changes and other anthropogenic and natural disasters. These know-hows can help to monitor the effectiveness of resilient structures and to develop adaptation strategies. This conference is aimed at linking space and climate experts with decision makers to collaborate on ways of understanding the status of space and planetary sciences, space weather, climate change, space and climate processes.

This new understanding is aimed at reducing the impacts and to aid other development activities. There have been progressive advancements regarding space and climate science associated with space weather forecasting, climate prediction and understanding the space and climate processes.

This conference is therefore aimed to update each other of the status of research and applications in the space, planetary and climate sciences, to get and provide constructive feedback, and to gain insights into best practices for future research developments.

Conference theme: Space and Planetary Sciences Conference (SPSC)

Thematic areas for presentations:

- Solar physics
 - * energetic particles
 - * flares and CMEs
 - * magnetic fields
 - * solar activity cycle,
 - * solar irradiance, x-rays, gamma rays and neutrinos
- Solar wind-magnetospheric coupling: Magnetospheric current systems and other dynamics

- Magnetosphere-ionosphere-atmosphere coupling
 - * ionospheric current system
 - * ionospheric characterization
 - * ionospheric irregularities
 - * space weather
 - * space radiation environment
- Ionospheric modeling and applications: Empirical, Numerical, analytical, machine learning approaches, etc
- Earth's atmosphere dynamics
 - * climate change and variability
 - * modeling and weather forecasting
 - * urban weather and air quality
- Space applications and instrumentation: ground and space born systems
- Planetary sciences (specific to atmosphere of other planets)

Expected audience and participants:

Researchers including early career researchers, scientists, engineers interested in the fields of space, planetary and climate sciences, and applications, space enthusiasts and any interested individuals.

Expected invitees:

We will reach out to established researchers in the fields of space, planetary and climate sciences working at different institutes, research centers and universities around the globe so that they share their experiences, update on the research developments, highlight on recent research frontiers as well as point out on the current challenges in the fields of space, planetary and climate sciences and applications in general, and inadequately studied low latitudes region of the African sector in particular.

Abstract submission format

An extended abstract has to be submitted to the workshop organizers through the dedicated emails outlined below. An extended abstract is a summarized form of a full paper containing title, abstract, introduction, methodology, results and discussion, conclusion and references. It should also include names of author and co-authors and their respective affiliations. The full content of an extended abstract should be limited to a maximum of four pages including the references. You may send your abstracts to the address below.

Send your abstracts through:

Email: yekoye2002@gmail.com : Yekoye Asmare (SSGI) and
ambelut2003@yahoo.com : Ambelu Tebabal (BDU)

In case you encounter a problem during submission or have questions regarding the conference, you may contact us through

yekoye2002@gmail.com (Yekoye Asmare)

Cell phone: (+251) 940474377

ambelut2003@yahoo.com (Dr. Ambelu Tebabal)

Cell phone: (+251) 911 05 42 76

Important dates:

Abstract submission deadline:	10 May 2024
Notification of abstract acceptance:	15 May 2024
Conference dates:	29-30 May 2024.

Note that for in-person oral presenters who can cover the transport and accommodation expenses, the presentation will be held at SSGI or arranged hotel (Addis Ababa, Ethiopia). For remote presenters, a zoom platform will be arranged later.

We look forward to your participation in the conference

Regards,

Yekoye Asmare Tariku

On behalf of the Organizing Committee

[07]-----

CALLISTO status report/newsletter #98

See: status_98V01.pdf

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[08]-----

Dr Magdi has sent these two files to the **ISWI Newsletter**:

[1] his CV

[2] a personal message.

BTW, his **ORCID ID** is: <https://orcid.org/0000-0002-7531-7294>

See his two pdfs:

MAGDI CV_24.pdf

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My Message

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[09]-----

African Geophysical Society (AGS)

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ENGLISH:

<https://mcusercontent.com/b14cdf00ad22fff1badfcb2b2/files/558dcf0a-89bc-8ae7-a1a9-1d61acb618b2/agsnewsletter1123.02.pdf>

FRENCH:

https://mcusercontent.com/b14cdf00ad22fff1badfcb2b2/files/1501512d-5ccc-992c-88ec-caebd72a170b/agsnewsletter1123_francais.pdf

*******[End of this issue of the ISWI Newsletter]*******



**Announcement of the XXth IAGA
Workshop on Geomagnetic
Observatory Instruments, Data
Acquisition and Processing**



FIRST CIRCULAR

(October 31 – November 6) 2024 – Vassouras – RJ – Brazil

We invite the community involved in geomagnetic field observations to attend the **XXth IAGA Workshop on Geomagnetic Observatory Instruments, Data Acquisition, and Processing** to be held in Vassouras, Rio de Janeiro State, Brazil, from October 31 to November 6, 2024.

The main objective of this meeting is to organize magnetic observatory practice and scientific sessions for professionals and students from all over the world who are engaged in the study of geomagnetism. Also, this workshop aims to be an opportunity to improve the situation concerning the definitive data production. At the **XXth IAGA Workshop** we emphasize the participation of students.

The **XXth IAGA Workshop** will consist of three parts: Comparison Measurements will be held at Vassouras Magnetic Observatory (VSS). The Scientific Sessions and Summer School will be held at the Bliss Hotel about 0.4 km from VSS.

The **XXth IAGA Workshop** will include the following topics:

- Updates on geomagnetic observatories and networks.
- Geomagnetic Observatory Practice and Data Processing.
- Geomagnetic Instrumentation.
- Geomagnetism and Applications (Magnetic Charts, Secular Variation, Space Weather, etc...).

Confirmed Summer school:

- Data preparation, data analysis and data checking in geomagnetism.
By Roman Leonhardt
- Data processing course.
By Chris Turbitt
- Development of high-resolution fluxgate sensors.
By Luiz Benyosef
- Geomagnetic repeat station survey.
By Emmanuel Nahayo

- Magnetic stations for local indices at low and middle latitudes under the SAMA influence.

By Clezio De Nardin

- Proposal for an efficient magnetic calibration.

By André Wiermann and Luiz Benyosef

- -----

During measurements: (in the VSS campus)

- DI measurements and sun shots.

By Alan Berarducci

- Geomagnetic observatory measurements from scratch.

By Jürgen Matzka

-

Demo session: (in the VSS campus)

- How an accurate automatic magnetic observatory could work.

By Jean Rasson and Alex Gonsette

-

Abstract deadline:

The deadline for submission of abstracts (up to 2400 characters including spaces) is August, 23, 2024. Submission will be electronic through the event homepage: <http://20iagaworkshop.on.br/> (in construction).

Application for financial support:

Financial support applications should be made using the event homepage. The deadline for financial support is July 15, 2024.

Registration:

Early registration is encouraged before July 15, 2024: US\$300.

Venue:

The **XXth IAGA Workshop** meeting will be held on the grounds of the Vassouras Magnetic Observatory (VSS) and the Bliss Hotel. Vassouras is a quiet city 100 kilometers from Rio.

Note 1: The Organizing Committee will provide free transport on the following routes: Rio International airport to the Bliss Hotel in Vassouras and vice versa.

Note 2: Also, internal transportation, in groups, within the city of Vassouras will be offered as a courtesy.

Note 3: The opening and closing cocktails of the XXth IAGA Workshop will also be offered as a courtesy.

Note 4: Fresh water, coffee, tropical fruits' juice, and biscuits will be provided free of charge on select times, during all days of the XXth IAGA Workshop.

Note 5: Meeting not hybrid.

For further information, please contact:

Dr. Luiz Benyosef - Chairman
Titular Researcher – Geomagnetism Group
Observatório Nacional - ON
Rua General José Cristino, 77
20921-400 Rio de Janeiro - RJ
Brazil.
Email: benyosef@on.br
Phone: +55(21)3504.9198 Mobile: +55(21)9.9188.4323

Dr. André Wiermann - Co-Chairman
Observatório Nacional - ON
Rua General José Cristino, 77
20921-400 Rio de Janeiro - RJ
Brazil.
Email: andrew@on.br
Phone: +55(21)3504.9292 Mobile: +55(21)9.8828.5970

Organizing Committee:

Alan Berarducci	Compass Rose Surveying, Inc.	U.S.A.
Alberto Santos	ON: Observatório Nacional	Brazil
André Wiermann	ON	Brazil
Anna Willer	DTU: Technical University of Denmark	Denmark
Clézio De Nardin	INPE: Instituto Nacional de Pesquisas Espaciais	Brazil
Cristiano Mendel	UFPA: Universidade Federal do Pará	Brazil
Esteban Hernandez	UNAM: Universidad Nacional Autonoma de Mexico	Mexico
Gelvam Hartmann	UNICAMP: Universidade Estadual de Campinas	Brazil
Gerardo Cifuentes	UNAM	Mexico
Jean Rasson	RMI: Royal Meteorological Institute	Belgium
Juliano Moro	INPE & China-Brazil Joint Lab. for Space Weather	Brazil
Jürgen Matzka	GFZ: German Research Centre for Geosciences	Germany
Kusumita Arora	NGRI: National Geophysical Research	India
Marcos Vinicius Siqueira da Silva	GFZ	Germany
Luiz Benyosef	ON	Brazil
Roman Leonhardt	GeoSphere	Austria
Seiki Asari	JMA: Japan Meteorological Agency	Japan
Tanja Petersen	GNS Science	New Zealand
Vitor Bernardes	ON	Brazil

Scientific Committee

Anna Willer	DTU	Denmark	
Chris Turbitt	BGS: British Geological Survey	United Kingdom	
Emmanuel Nahayo	SANSA: South African National Space Agency	South Africa	
Jean Rasson	RMI: Royal Meteorological Institute	Belgium	
Jürgen Matzka	GFZ	Germany	
Kusumita Arora	NGRI	India	
Luiz Benyosef	ON	Brazil	LOC Chair
Seiki Asari	JMA	Japan	V-OBS Chair
Tanja Petersen	GNS Science	New Zealand	

Please bring the content of this first circular to the attention of your colleagues who are interested in participating in this next meeting. Don't miss this opportunity to enhance your expertise and contribute to advancements in geomagnetic research at the **XXth IAGA Workshop**.



FEBRUARY 13, 2024

002

PHOTO REPORT OF 2024 ISWI MEETING
VIENNA, AUSTRIA
STEERING COMMITTEE MEETING AND POSTER EXHIBIT

KIROLOSSE M. GIRGIS
I-SPES, KYUSHU UNIVERSITY
Fukuoka, JAPAN





Figure 1: I took this photo from my hotel room. The beautiful scene illustrates the UN buildings, streets, train station “U1-Kaisermühlen”, trees, lake, and sky.



Figure 2: UN Vienna Rotunda (C-building)



Figure 3: UN Vienna G-building



Figure 4: UN Vienna F-building



Figure 5: UN Vienna in the evening

Inside the UN Building



ISWI Steering Committee (5-6 February 2024)



Figure 6: Photo taken by Patrick Gindler (UN, Austria)





Figure 7: Dr. Natchimuthuk Gopalswamy (NASA, USA) receiving the SCOSTEP award (medal and certificate) from Dr. Kazuo Shiokawa (ISEE, Japan)





Rotunda – Poster Exhibit



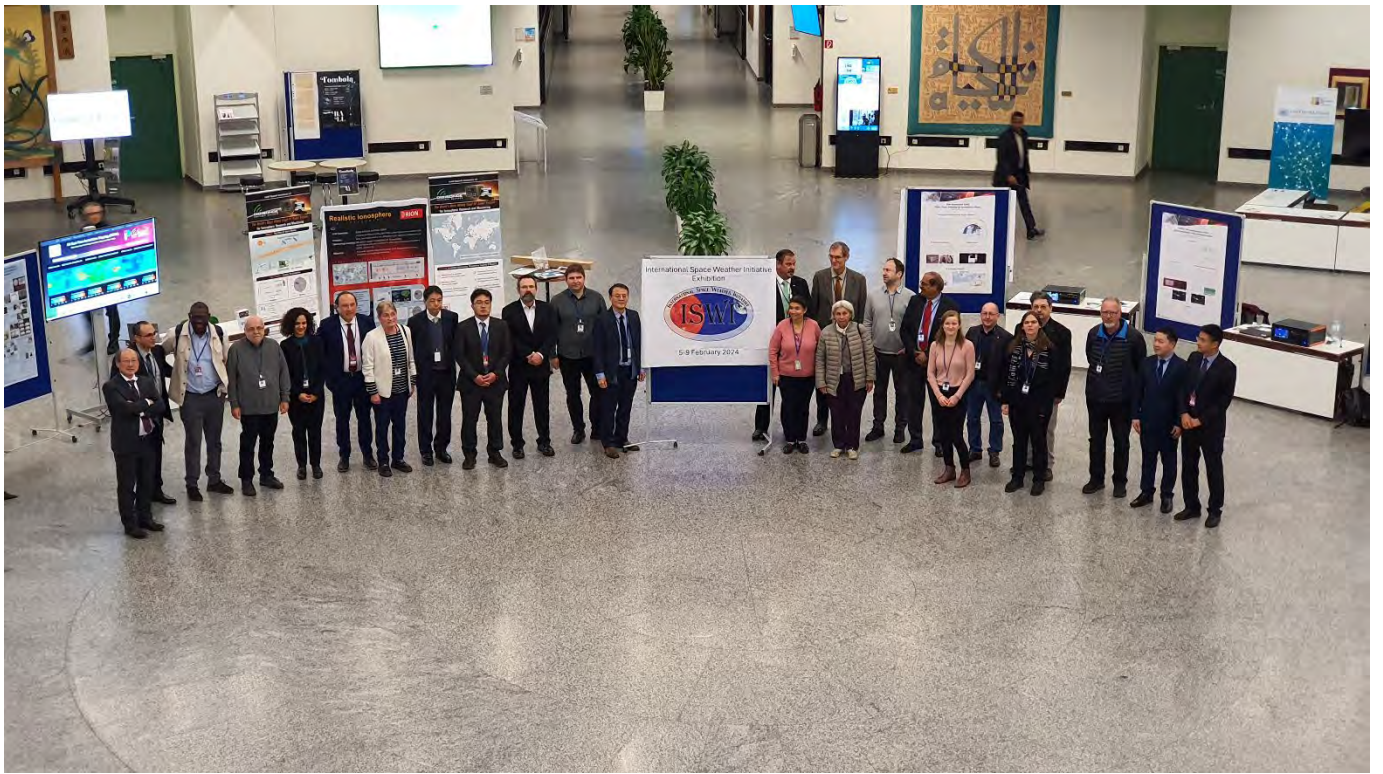


Figure 8: Photo taken by Patrick Gindler (UN, Austria)



Figure 9: MAGDAS Poster and real-time magnetic field data. Photo taken by Dr. Yenca Migoya-Orue (ICTP, Italy)

61st STSC Meeting (29 January to 9 February 2024)



Group Photos



Figure 10: (from left to right) Dr. Yenca Migoya-Orue (ICTP, Italy), Prof. Babatunde Rabi (UN, Nigeria)



Figure 11: (from left to right) Dr. Christian Monstein (IRSOL/ETHZ, Switzerland), Dr. Natchimuthuk Gopalswamy (NASA, USA), Dr. Shing Fung (NASA, USA), Dr. Emanuel Mumpuni (BRIN, Indonesia). Photo taken by BRIN member.



Figure 12: With Dr. Shing Fung (NASA, USA)



Figure 13: With Dr. Keith Groves (Boston College, USA)

Lunch time @UN Restaurant





Dinner @STADTWIRT Restaurant

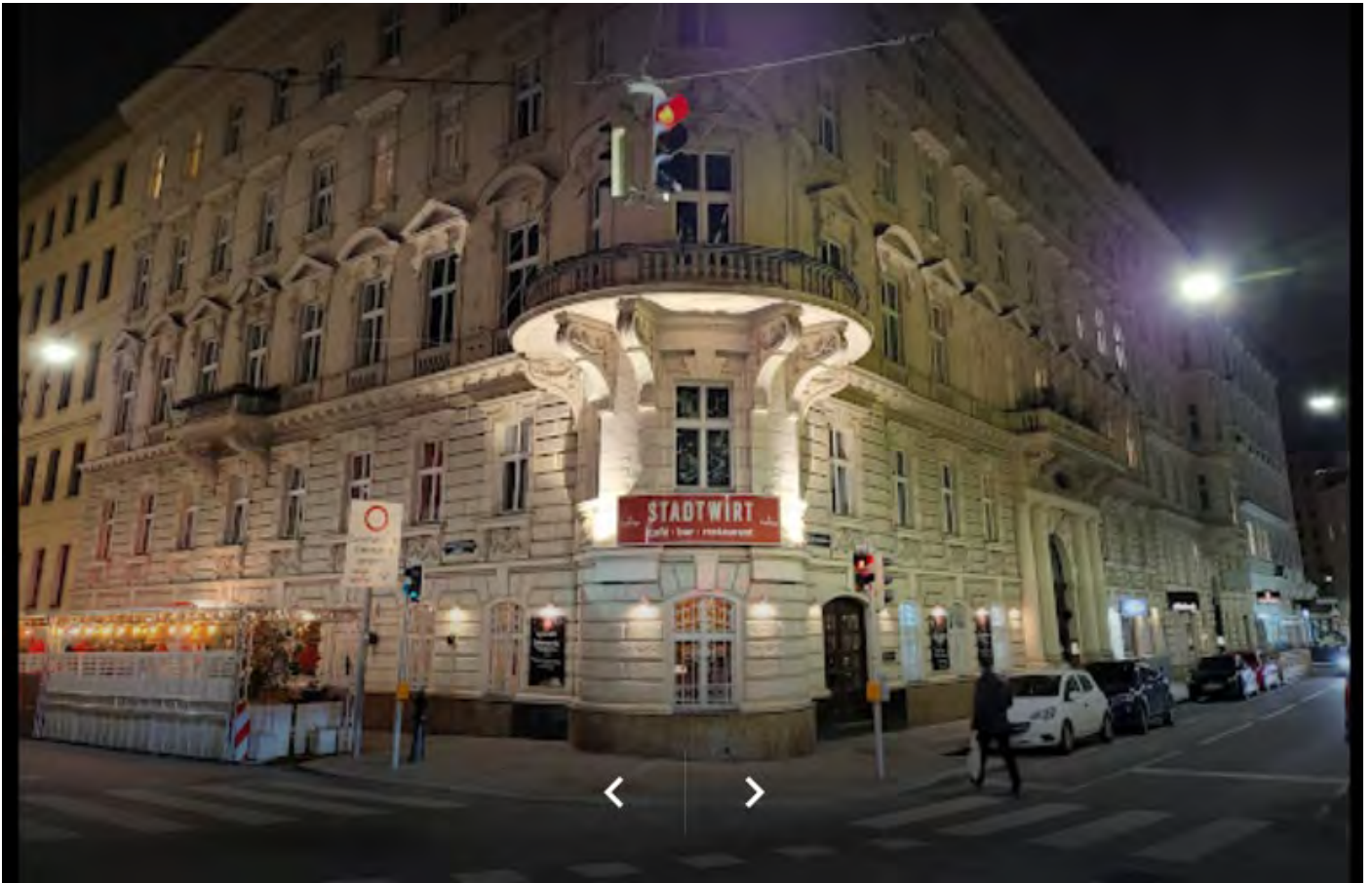


Figure 14: From Google Maps



Figure 15: From the restaurant's website







Figure 16: The previous 6 photos were shared by Dr. Shing Fung



Figure 17: Thanks for everyone's recommendation: Wiener Schnitzel – Viennese Cutlet (trust me, it was delicious!)



Figure 18: Closest station to UN is U1-Kaisermühlen



Figure 19: Vienna's St. Stephen's Cathedral



Figure 20: According to Wikipedia, St. Stephen's Cathedral is the mother church of the Roman Catholic Archdiocese of Vienna and the seat of the Archbishop of Vienna. The most important religious building in Vienna, St. Stephen's Cathedral has borne witness to many important events in Habsburg and Austrian history and has, with its multi-coloured tile roof, become one of the city's most recognizable symbols.



Figure 21: Vienna's St. Stephen's Cathedral (inside)



Figure 22: The Graben is one of the most famous squares in Vienna's first district, the city center.



Figure 23: Plague Column. According to Wikipedia, the Plague Column, or Trinity Column is located on the Graben, Austria. Built after the Great Plague epidemic in 1679, the Baroque memorial is one of the best known and most prominent sculptural artworks in the city.

END



Scientific Committee on Solar-Terrestrial Physics

ABOUT US SCIENTIFIC PROGRAMS CAPACITY BUILDING

SCOSTEP/PRESTO Newsletter Archive

Latest SCOSTEP/PRESTO Newsletter



The latest SCOSTEP/PRESTO Newsletter is now available:

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GO TO THE SCOSTEP
ARCHIVES WITH THIS
LINK

<https://scostep.org/resources/scostep-presto-newsletter-archive/>

This page created by
George Maeda on 15 Feb 2024



004

CALLISTO status report/newsletter #98

New instrument at Erzurum, Turkey



Fig. 1: Logarithmic periodic dipole array (LPDA), suffering from winter-weather conditions. The current location of the antenna is on a mountain at an altitude of 3100 meters in Erzurum, far from the city center in turkey. Image: Dr. Onur Satir

Welcome Turkey on the e-Callisto network



Then, there is another new instrument in Kiel, Germany which is operated by Helge Wyrowski.

Welcome Kiel/Germany on the e-Callisto network

And a 3rd new station in Siuntio, Finland which is operated by Juha Kallunki.

Welcome Siuntio/Finland on the e-Callisto network

Recent events, worth to be mentioned

- 22.09.2023 XRT 1st light at NASA-GSFC
- 30.10.2023 Finally, upload of FIT-files from EgSA to FTP-server successful
- 02.11.2023 1st time 81 instruments active since 2006
- 05.11.2023 New station Germany-Kiel operated by Helge Wyrowski
- 14.11.2023 Turkey on-line 3100 m Erzurum.
- 08.12.2023 Ethiopia data upload back in operation, LNA not operational
- 14.12.2023 Bright type IV from Montevideo, Uruguay at 17:22-18:04
- 14.11.2023 Update rfi catalogue here: <https://e-callisto.org/GeneralDocuments/BurstCatalog.pdf>
- 28.12.2023 Python autoscheduler for LINUX systems available
- 05-09.02.2024 ISWI-steering committee meeting at UN in Vienna plus instrument exhibition

Announcement

In the following 2 weeks the main-server for Callisto-data at university of Applied Sciences at FHNW in Brugg/Windisch will be replaced by a new system. I'm currently testing the new one. You may expect that services in worst case will not be available for a few hours. But we do not expect any data loss. Once the new server is working properly, we will change all websites from http to https (secure).



e-Callisto burst statistics January 2024

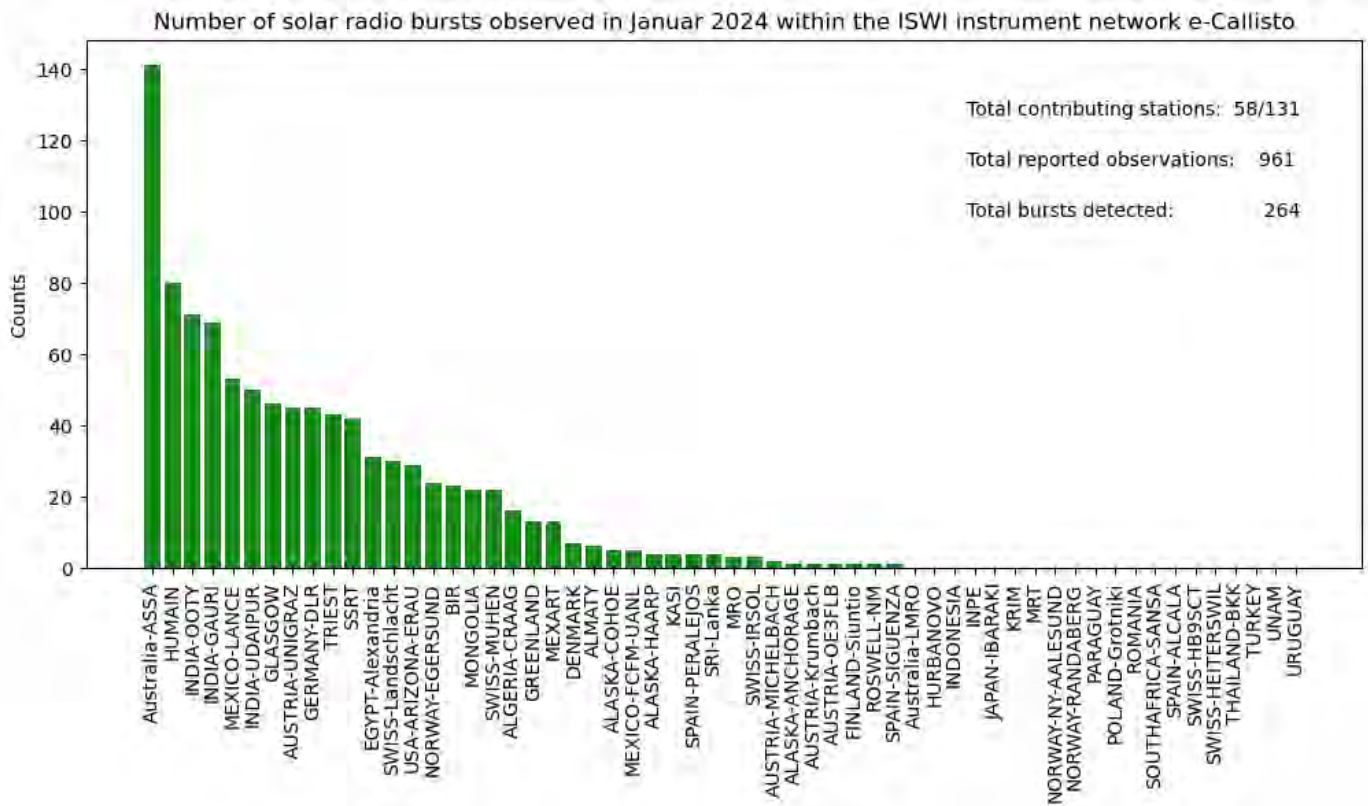


Fig. 7: Compilation of all visually detected bursts from all Callisto-stations which provide data to the e-Callisto network. There are clear ‘winners’ of the January-‘competition’, Australia-ASSA, HUMAIN and OOTY. Still eagerly looking for an AI-solution to automatically generate a burst-list and to save many hours day by day to perform this rather boring job, visual inspection of thousands of FIT-files.

Last 4 burst-plots are always available here: <https://e-callisto.org/Data/data.html>



CESRA NEWS

A New 6-15 GHz Solar Radio Observation System, by Lei Zhang et al.

<https://www.astro.gla.ac.uk/users/eduard/cesra/?p=3653>

Deciphering Faint Gyrosynchrotron Emission from a Coronal Mass Ejection Using Spectropolarimetric Radio Imaging by Devojyoti Kansabanik, Surajit Mondal and Divya Oberoi

<https://www.astro.gla.ac.uk/users/eduard/cesra/?p=3666>

Separating the effects of earthside and far side solar events by Silja Pohjolainen et al.

<https://www.astro.gla.ac.uk/users/eduard/cesra/?p=3681>

Anisotropic density turbulence variation from the low corona to 1 au as deduced from solar radio observations by E. Kontar et al.

<https://www.astro.gla.ac.uk/users/eduard/cesra/?p=3691>

The physics of solar spectral imaging observations in dm-cm wavelengths and space weather by Tan et al.

<https://www.astro.gla.ac.uk/users/eduard/cesra/?p=3715>

An Interactive Visual Tool for the Anisotropic Scattering of Solar Radio Bursts by Daniel L. Clarkson et al

<https://www.astro.gla.ac.uk/users/eduard/cesra/?p=3723>

Weak Solar Radio Bursts from the Solar Wind Acceleration Region Observed by the Parker Solar Probe and Its Probable Emission Mechanism by Ling Chen et al.

<https://www.astro.gla.ac.uk/users/eduard/cesra/?p=3732>



AOB

- If you have some stuff to present to the Callisto community, please let me know
- To avoid strange issues with Windows computers, disable disc caching. Otherwise configurations files might not be updated in Callisto with the latest information
- CALLISTO or Callisto denotes to the spectrometer itself while e-Callisto denotes to the worldwide network.
- General information and data access here: <https://e-callisto.org/>
- e-Callisto data are hosted at University of Applied Sciences, Institute for Data Science FHNW in Brugg/Windisch, Switzerland. Additionally, data are available at ESA site here: ESA Space Weather Portal (<https://swe.ssa.esa.int/>).
- In case you (as the responsible person for operating and maintenance of Callisto) are leaving the institute or, if you are retiring, please send me name and email address of the successor.



Please do **NOT** respond to the email-address of the list-server where you have got this document from, it is a computer/robot. This computer will not give you any useful answer...

Respond instead directly to me at: [cmonstein\(at\)swissonline.ch](mailto:cmonstein@swissonline.ch) or [monstein\(at\)irsol.ch](mailto:monstein@irsol.ch)

If you do not want to receive this newsletter, please send me an email and I will take your address out of the database. On the other hand, if you think someone else might be interested in this kind of info, please let me know his/her email-address to be added to the database.

Christian Monstein

Istituto ricerche solari Aldo e Cele Daccò (IRSOL), Faculty of Informatics,
Università della Svizzera italiana (USI), CH-6605 Locarno, Switzerland.

Email: [monstein\(at\)irsol.ch](mailto:monstein@irsol.ch)

February 23, 2024

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**MAGDI ELFADIL YOUSIF SULIMAN**

Mahasin district, Al-Ahsa, Eastern Province, Kingdom of Saudi Arabia

Tel: +966506280743 Email: magdielfadil@gmail.com;magdinipon@gmail.com**PERSONAL PROFILE**

- ❖ Committed to administration of ground geomagnetic data observatory
- ❖ Qualified teacher and led research activities within Faculty
- ❖ Continuing and increasing interest in the pedagogy of Physics and Space Science

EDUCATION

2010 – 2013 Kyushu University, Faculty of Science, Division of Graduate School of Science, Department of Earth and Planetary Sciences, Fukuoka, Japan

Doctor of Science (Funded by Japanese Government, G30 Scholarship)

Thesis Title: On the remote sensing of space weather parameters using ground based observations of low- latitude Pc 5 pulsations

Supervisor: Prof *Dr. Yoshikawa* and his predecessor Late Prof *Dr. Kiyohumi Yumoto*.

Brief Synopsis: motivated by work of a former researcher towards establishing a low latitude ground based Pc 5 pulsation index, an investigation was carried out on correlations of ground observed low latitude Pc5 amplitudes classified as global mode with wide longitudinal spread with space weather parameters, i.e., solar wind speed, pressure, and geo-synchronous high energetic electron fluxes.

January- 2010 – October- 2010 African Regional Center for Space Science and Technology Education- in English (ARCSSTE-E), hosted by Obafemi Awolowo University campus, Ile Ife, Osun state, Nigeria

Post Graduate Diploma

GPA 4.5 (On 5 Point Scale)

2005 – 2007 Sudan University of Science and Technology (SUST), Khartoum, Sudan

MSc. in Solid State Physics

Dissertation Title: Optimization of a solar System

1997 – 2001 Sudan University of Science and Technology, Khartoum, Sudan

BSc. in Physics Science – First Class Honors

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QUALIFICATIONS: Basic training Course in High Education Teaching

2013 – Present: Sudan University of Science and Technology, College of Science, Physics Department, Khartoum, Sudan

Assistant Professor (Full time)

- ❖ Full responsibility of the High Diploma course program, the program coordinator and a contributor in teaching program courses
- ❖ Obligated in teaching of programs' courses, both basic and advanced, as examples, but not limited to: **Fundamental Physics, Mechanics, Space and Plasma Physics, Plasma Physics, Astronomy, Statistical Mechanics, Classical and Basic Quantum Mechanics**, and **Electrodynamics**
- ❖ Managed Departmental issue, as head of the Department
- ❖ Engaged with a job in the College administration, performed responsibilities of the Registrar of the College of Science

2007 – 2013: Sudan University of Science and Technology, College of Science, Physics Department, Khartoum, Sudan

Lecturer (Full time)

- ❖ Obligated in teaching of the B. Sc. program courses, as examples, but not limited to: **Vibration and Waves, Physical and Geometrical optics**, and **General Physics**
- ❖ Managed laboratories, acted as academic supervisor in basic Physics laboratories

2002 – 2007: Sudan University of Science and Technology, College of Science, Physics Department, Khartoum, Sudan

Teaching Assistant (Full time)

- ❖ Assisted the academic staff in pursuing Physics courses within the College academic programs
- ❖ Obligated to demonstrating in Physics laboratory experiments to students

SKILLS

Teaching

- ❖ Contributed in teaching Physics courses in the B. Sc., within the University (SUST) programs
- ❖ Mentored post-graduate students
- ❖ Supervised research dissertations, and co-supervised research theses

Computing

- ❖ Experienced user of MATLAB in analysis of geomagnetic data and interpreting research results
- ❖ Confident in using of Microsoft packages
- ❖ Frequent user of operating systems Windows and sometimes of LUNIX systems

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Administration

- ❖ Administrated the Geomagnetic Ground Station (observatory) at Khartoum, the station belongs to the Magnetic Data Acquisition System (MAGDAS) project of the former International Center for Space Weather Science and Education (ICSWSE) of Kyushu University, Japan
- ❖ Supervised student theses and set and marked examinations
- ❖ Committed to organization and planning of seminars and workshops, example a workshop: Introduction to Space Science and Solar Cells; Khartoum, Sudan; Report Published online at: ISWI Newsletter- Vol.6 No.036, 01 June, 2014. Home Page: <http://www.iswi-secretariat.org/>

PUBLICATIONS

- [1] **Magdi Elfadil Yousif Suliman.** (2021, April) Center for International Collaborative Research: SCOSTEP/PRESTO Newsletters; Vol.27; pp. 3-4, 29 April 2021. [Online]. https://cicr.isee.nagoya-u.ac.jp/site1/info_e/scostep_newsletter.html
- [2] **MAGDI ELFADIL YOUSIF SULIMAN** "マグディ エルフアデイル ヨセフ スリマン". (2013, Sep.) Kyushu University Library: Institutional Repository, Doctoral Thesis, doi.org/10.15017/1398314. [Online]. <https://hdl.handle.net/2324/1398314>
- [3] **Magdi E Yousif Suliman, et. al.**, "The relation between amplitudes of a global-mode Pc 5 pulsations and geosynchronous electron fluxes," *2013 IEEE International Conference on Space Science and Communication (IconSpace)*, Melaka, 2013, pp. 150-155, [doi: 10.1109/IconSpace.2013.6599453](https://doi.org/10.1109/IconSpace.2013.6599453).
- [4] **M, E. Yousif Suliman, et al.**, (2012, December) The SAO/NASA Astrophysics Data System, AGU Fall Meeting Abstracts. [Online]. <https://ui.adsabs.harvard.edu/abs/2012AGUFMNH51A1798Y>
- [5] M. Jusoh, **M. E. Yousif Suliman**, H. Liu, and K. Uozumi, T. Takla, E., M. Kawano, H. Yoshikawa, A. Asillam, M. Hashim, M. Yumoto. (2012, December) The SAO/NASA Astrophysics Data System, AGU Fall Meeting Abstracts. [Online]. <https://ui.adsabs.harvard.edu/abs/2012AGUFMGP21A1154J>
- [5] **Magdi Elfadil Yousif Suliman.** (2013, May) Japan Geoscience Union Meeting 2013, Abstract PEM05-P11. [Online]. https://www2.jpgu.org/meeting/2013/session/PDF/P-EM05/PEM05-P11_E.pdf

Conferences and Workshops Presentations

- [1] **Yousif Suliman. Magdi E, et al.** (2015, April) United Nations office for Outer Space Affairs: hosted on the ISWI-Secretariat Website. [Online]. <http://newserver.stil.bas.bg/ISWI/Outreach/2015mar5/Ses63Suliman.pdf>

My ORCID ID: <https://orcid.org/0000-0002-7531-7294>

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Theses and dissertation supervising

- [1] Nusaiba Omer Ali Mohager and **Supervisor: Magdi Elfadil Yousif Suliman**. (2019, Nov.) Sudan University of Science and Technology (SUST) Repository. [Online].
<http://repository.sustech.edu/handle/123456789/24453>
- [2] Banona Osman Mohammed Ali Fedail and **Supervisor: Magdi Elfadil Yousif Suliman**. (2019, Aug.) Sudan University of Science and Technology (SUST) Repository. [Online].
<http://repository.sustech.edu/handle/123456789/23984>
- [3] Sabah Ahmed Alshreef Abass and **Supervisor: Magdi Elfadil Yousif Suliman**. (2019, June) Sudan University of Science and Technology (SUST) Repository. [Online].
<http://repository.sustech.edu/handle/123456789/23927>
- [4] Wasel Hayder Abdalraheem Taha and **Supervisor: Magdi Elfadil Yousif Suliman**. (2018, Feb.) Sudan University of Science and Technology (SUST) Repository. [Online].
<http://repository.sustech.edu/handle/123456789/22710>
- [5] Eshraga Adel Altyp Abdel Salam and **Supervisor: Magdi Elfadil Yousif**. (2018, Feb.) Sudan University of Science and Technology (SUST) Repository. [Online].
<http://repository.sustech.edu/handle/123456789/20801>
- [6] Magzoob Hassan Naser Abobakr and **Supervisor: Magdi Elfadil Yousif Suliman**. (2017, Mar.) Sudan University of Science and Technology (SUST) Repository. [Online].
<http://repository.sustech.edu/handle/123456789/15926>
- [7] Nafisa Mamoun AbdAlmaged Ahmed and **Supervisor: Magdi Elfadil Yousif Suliman**. (2017, Mar.) Sudan University of Science and Technology (SUST) Repository. [Online].
<http://repository.sustech.edu/handle/123456789/18453>
- [8] Mohammed Hamdan Hussian Ahmed and **Supervisor: Magdi Elfadil Yousif Suliman**. (2016, Jan.) Sudan University of Science and Technology (SUST) Repository. [Online].
<http://repository.sustech.edu/handle/123456789/13781>
- [9] AZZA MUSA ADAM and **Supervisor: MAGDI ELFADIL YOUSIF SULIMAN**. (2020, Nov.) Sudan University of Science and Technology (SUST) Repository. [Online].
<http://repository.sustech.edu/handle/123456789/25915>

AWARDS AND FUNDING

- [1] The G-30 Scholarship from the Japanese Government, the ministry of culture and high education (MEXT) scholarship: A scholarship to study for doctor of science degree from Kyushu University, 2010.
- [2] A full scholarship from the National Space Research and Development Agency (NASRDA) of Nigerian government and the UN office for Outer Space Affairs (UNOOSA), A scholarship to study for post graduate diploma degree in Basic space science from the African Regional Center for Space Science and Technology Education, 2009.
- [3] Winner of the Prize of the Minister of Higher Education from the Sudan Institute for Natural Sciences, University of Khartoum, Sudan, 2002.

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REFERENCES

1. Professor (Full time): **Dr. Yoshikawa Akimasa**, Department of Earth and Planetary Sciences, School of Sciences, Kyushu University, Fukuoka, Japan; Phone: +81-92-802- 6240 email address: yoshikawa.akimasa.254@m.kyushu-u.ac.jp.
2. Professor (Contract): **Dr. Mubarak Dirar Abd- Alla Yagoub**, College of science, Physics Department, Sudan University of Science and Technology, Mobile Phone: +249964058861, and +249122072454, email address: mubarakdirar@gmail.com.
3. Professor (Assistant), retired: **Eng. George Maeda**, LaSEINE, Kyushu Institute of Technology “Kyutech”, KitaKyushu, Japan. Office Phone: +81-93-884-3597, <http://birds1.birdsproject.com/newsletter.html>; email address: georgemaeda3@gmail.com.
4. Professor (Contract): **Dr. Abdulrahman Elhassan Mohammed Osman**, College of science, Physics Department, Sudan University of Science and Technology, Mobile Phone: +249964058861, and +249122072454, email address: dejool_55@yahoo.com.

A request for support, help and promote to sustain advancing space weather data provision and research within region even though the conflict in my country Sudan

By: MAGDI ELFADIL YOUSIF SULIMAN (Sudan University of Science and technology, Khartoum, Sudan.)

Usually in the part of the world where I come from we'd accustomed to many things to occur that else parts of the world never expect, such as breakout of mass suffering causes, but this time around what happened in my country Sudan the much worst thing to happen, that is war, as it break on April 15, 2023. We were at Khartoum and I was living in Tuti Island, very close to the republicans palace in Khartoum, that's why the risk was so high for me and my family, but that was never the only suffering part, we were forced to stay at the island for about five months tolerating many things, including the high risk losing our lives. However, as academican our suffering extended even to include the stop of our study and research job, which too worst to us.

Therefore, we fled our home and finally found a way to stay within our region in this part of the world, that is, in the kingdom of Saudi Arabia, and fortunately, its universities contain a some space weather related programs, including observation and data analysis, so my current efforts are to find an opportunity to join one of these universities, or even another opportunity worldwide so as to continue my hard work to sustain advancing space weather data provision and research. I trust ISWI community that they can do something to me, a support, help, promote, and recommendation.

NB. Recent research work I'm doing include assessment of space weather impact in low latitude region, in Sudan as a case study, my country.

9 March 2024