CALLISTO status report/newsletter #102

New station in Mexico

Fig. 1: Team from left to right: Cruz Fernando Ramírez Mendoza, José Valentín Ramírez Sustaita, Eleazar Ramírez Mendoza, Ernesto Andrade Mascote, Landy Roxana Gómez López, Iván Peralta Mendoza, Ernesto Aguilar Rodriguez, Pablo Villanueva Hernández, Photo: Julio Ruiz

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Welcome on board of e-Callisto!

New station in Baldy, Poland

Fig. 2: LWA next to LOFAR a single antenna for CALLISTO in dual circular polarization.

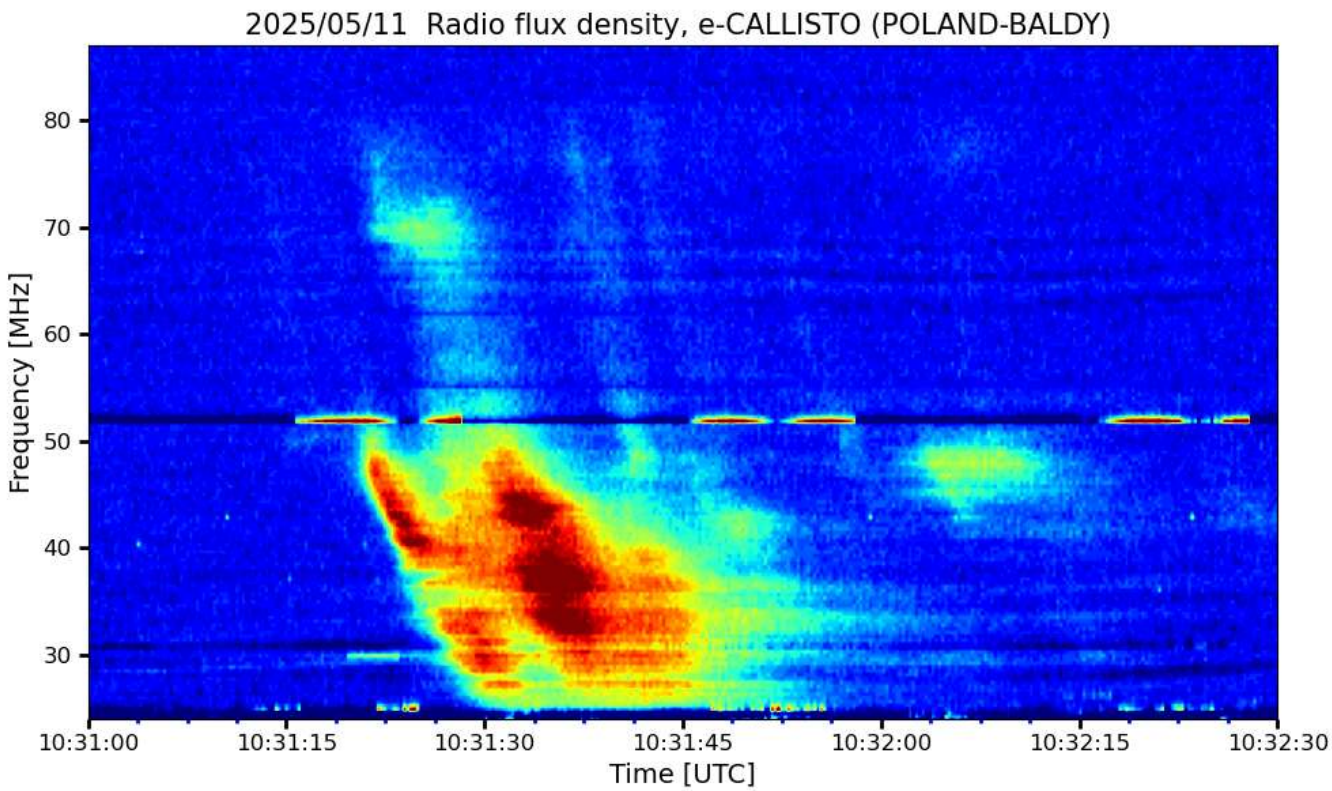

Fig. 3: First light Baldy, Poland

Welcome on board of e-Callisto!

CESRA NEWS

https://heliowiki.smce.nasa.gov/wiki/index.php/SolarNuggets

CESRA nuggets:
Magnetic Field Geometry and Anisotropic Scattering Effects to Explain Puzzling LOFAR Solar Radio Burst Observations
by D. L. Clarkson et al.
https://www.astro.gla.ac.uk/users/eduard/cesra/?p=3950

Spectral Characteristics of Fundamental–Harmonic Pairs of Interplanetary Type III Radio Bursts Observed by PSP,
by Ling Chen et al.
https://www.astro.gla.ac.uk/users/eduard/cesra/?p=3957

X-ray/Radio Quasi-periodic Pulsations Associated with Plasmoids in Solar Flare Current Sheets
by Kumar, Karpen, and Dahlin
https://www.astro.gla.ac.uk/users/eduard/cesra/?p=3968

Synchrotron or not – analysis of two-part type II bursts
by Silja Pohjolainen
https://www.astro.gla.ac.uk/users/eduard/cesra/?p=4001

http://solar.physics.montana.edu/cgi-bin/eprint/default_page.pl
X-Ray/Radio Quasiperiodic Pulsations Associated with Plasmoids
in Solar Flare Current Sheets
-- Pankaj Kumar, Judith T. Karpen, Joel T. Dahlin

Spectral Characteristics of Fundamental–Harmonic Pairs of Interplanetary Type III Radio Bursts Observed by PSP,
by Ling Chen et al.
https://www.astro.gla.ac.uk/users/eduard/cesra/?p=3957

ALMA Observations of Solar Spicules in a Coronal Hole
by T. S. Bastian et al.
https://www.astro.gla.ac.uk/users/eduard/cesra/?p=3984

The CESRA highlights can be followed, discussed etc at
https://twitter.com/CESRA_community
https://www.facebook.com/solarcesra/

Connecting energetic electrons at the Sun and in the heliosphere through X-ray and radio diagnostics
by D. Paipa-Leon et al.
https://www.astro.gla.ac.uk/users/eduard/cesra/?p=4013

AOB

- If you have some stuff to present to the Callisto community, please let me know
- 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/).
- Backup server of FHNW in Spain active as: https://astrodoncel.uah.es/dashboard/index.php
- Meteo Swiss provides daily flux measurements, based on a satellite dish in X-band and CALLISTO: https://meteoswiss.github.io/callisto/
- IRSOL improved sensitivity by inserting a bandpass filter and an LNA
- Mexico new station at 3125 m asl MEXICO-UANL-INFIERNILLO
- Current data storage size at FHNW for solar radio data 4.1TB
- GLASGOW strong rfi, most probably due to nearby LED-lamp which is always on.
- 28.05.2025 First time 90 instruments on-line
- 08.06.2025 CALLISTO Snr 200 manufactured!
- 18.06.2025 1st light from Turkey, congratulations!
- 22.07.2025 Regular data from Paraguay, congratulations!
- Starting in June, data upload to NextCloud at FHNW is working fine. Alternative method to FTP or SFTP data upload.
- 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 and to the Co-PI javier.bussons(at)uah.es

If you do not want to receive this newsletter, please send me an email and we 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.


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