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CALLISTO status report/newsletter #57

Solar Radio Summer School 2015 (by Eduard Kontar)

When: 24-28th August 2015.
Where: Glasgow University, Scotland, UK
The application deadline is June 20, 2015:
http://www.astro.gla.ac.uk/cesra2015
The school is open to solar radio physicists including PhD students and early career researchers. The school will cover the essential elements of theory, modeling and data analysis and will feature lectures and tutorials. Students will have the opportunity to meet and discuss research topics with their peers together in an informal atmosphere.

Correction about Callisto station in Indonesia

Timbul Manik from Space Science Center LAPAN, Indonesia sent a comment about my previous information which was wrong. Correct is that the type III solar radio burst data was not from Tomohon Station North Sulawesi, but it was an observation received by Callisto at Sumedang, West Java.

Callisto #81 delivered to Montevideo, Uruguay

Recently Callisto instrument number 81 has been delivered to Observatorio Astronómico Los Molinos (OALM), Montevideo in Uruguay. We hope that they can get operational soon. Contact person is:
Santiago Roland, Coordinador de Actividades, Observatorio Astronómico Los Molinos,
IAU CODE 844, Montevideo, Uruguay.

Timing error

Some stations show timing error in their observations, even if synchronized to internet time server. Locking to an internet time server is somewhat misleading because the default period is in the order of 1 day which is not sufficient for solar radio observation. I strongly recommend to increase the update rate for more frequent corrections in the order of a few minutes. Among many others a solution is described here:
http://www.thewindowsclub.com/change-internet-time-update-interval-windows
For older operating systems you need to dig into the registry. Descriptions can also be found on the internet. Synchronization is important if people want to combine observations from different locations.

Bleien in dual polarization

Bleien observatory is still observing at low frequency with the LWA-antenna. The system has been upgraded for dual circular polarization, one Callisto per polarization.

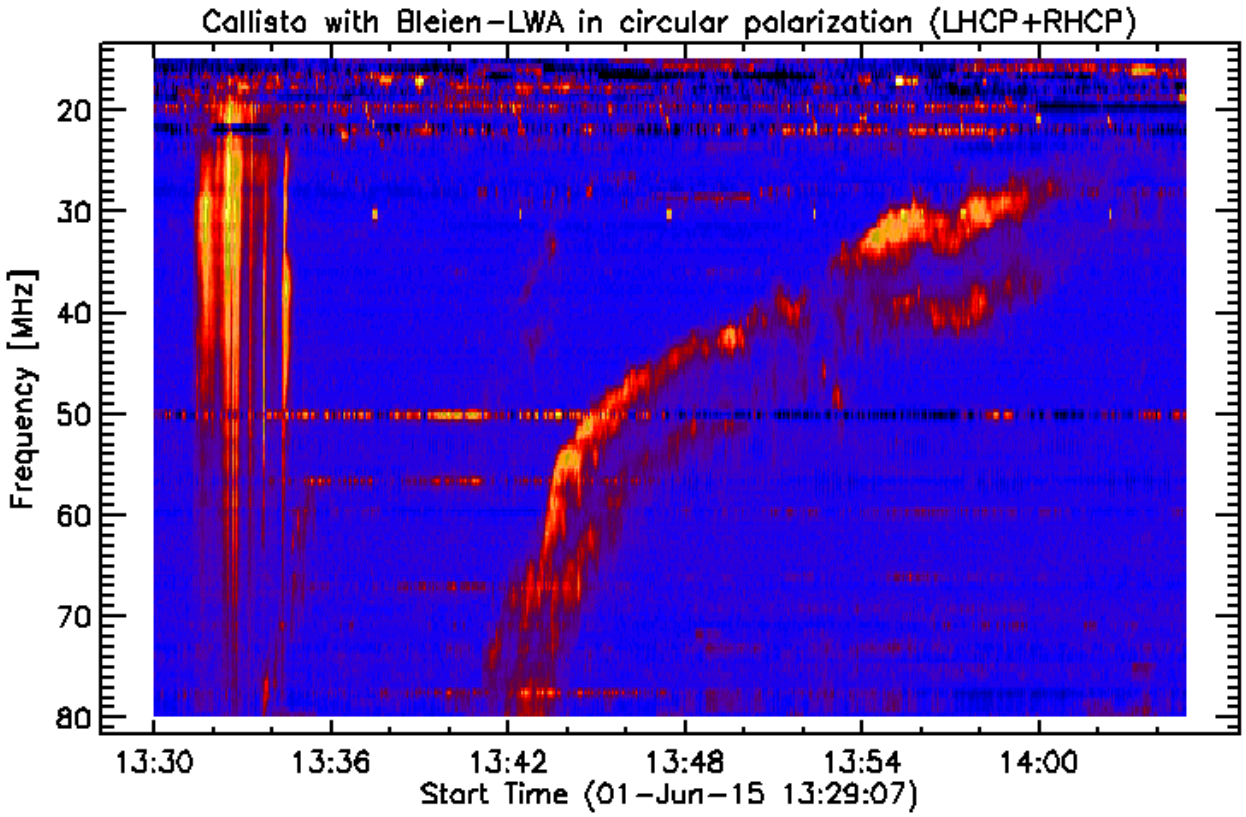

Fig. 1: Type III burst followed by a type II with split band observed with an LWA.

Descriptions for the LWA can be found here:
http://www.reeve.com/RadioScience/Antennas/ActiveCrossed-Dipole/LWA_Antenna.htm

Ordering information for 90° hybrids for low frequency antennas can be found here:
http://www.reeve.com/RadioScience/Antennas/ActiveCrossed-Dipole/LWA_OrderInfo.htm

- In case you plan to publish a paper based on e-Callisto data, please invite the observer and me as the PI of the network for co-authorship. This according to the UN/ISWI resolution addressed during the last UN/Japan workshop at Fukuoka university. A document regarding data policy will be published soon.

- Currently we have more than 80 instruments at more than 43 locations with users from 116 different countries.

- CALLISTO or Callisto denotes to the spectrometer itself while e-Callisto denotes to the worldwide network.

- General information and data access here: http://e-callisto.org/

- Callisto software does operate also under Win 8.1

- e-Callisto data are hosted at Fachhochschule Nordwestschweiz (University of applied sciences FHNW) in Brugg/Windisch, Switzerland. Process control, user communication and scripts are conducted at institute for Astronomy, ETH Zurich.

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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 data base.

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