

題名 [See] ISWI Newsletter – Vol. 3 No. 104
差出人 maeda@serc.kyushu-u.ac.jp

```
*****
* ISWI Newsletter - Vol. 3 No. 104 8 December 2011 *
*
* I S W I = International Space Weather Initiative *
* (www.iswi-secretariat.org) *
*
* Publisher: Professor K. Yumoto, SERC, Kyushu University, Japan *
* Editor-in-Chief: Mr. George Maeda, SERC (maeda[at]serc.kyushu-u.ac.jp)*
* Archive location: www.iswi-secretariat.org (maintained by Bulgaria) *
* [click on "Publication" tab, then on "Newsletter Archive"] *
* Caveat: Under the Ground Rules of ISWI, if you use any material from *
* the ISWI Newsletter or Website, however minor it may seem *
* to you, you must give proper credit to the original source. *
*****
```

Attachment(s):

(1) "status20111204_V0", 742 KB pdf, 5 pages.

: Re:
: CALLISTO status report #32
:

Dear ISWI Participant:

Attached is the latest status report from CALLISTO.

If your space weather project is issuing reports, please send them to me so that the entire space weather community can read them.

Happy Holidays,
: George Maeda
: The Editor
: ISWI Newsletter

CALLISTO status report #32

New location in India operational:

Since November 23th 2011 University of Pune is operational. The instrument was deployed during a well organized workshop under the title ‘Solar Radio Workshop’ held at University facilities in Ganeshkind, Pune, India. About 50 young people from India, Sri Lanka, Mexico, USA and Switzerland participated during several talks and two workshops. One workshop was dedicated to the installation of Callisto, the other for training SSWIDL. Travel cost was supported through a ‘Teaching Stay Grant’ by Swiss Society of Astronomy and Astrophysics SSAA.

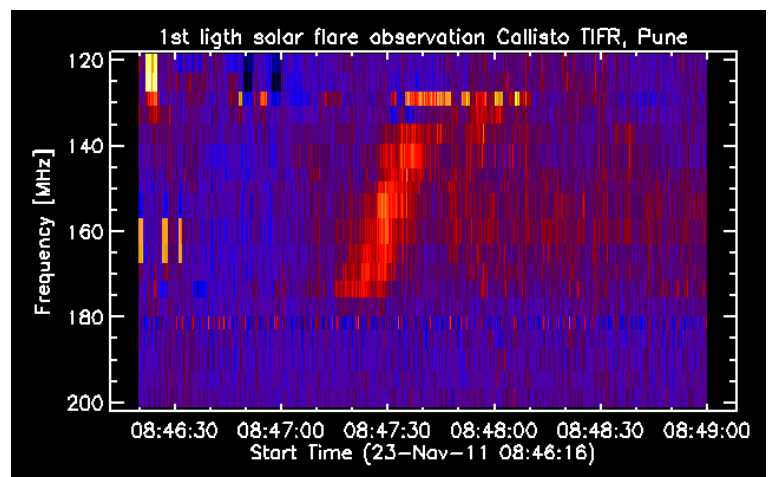


Fig. 1: Left: Subramaniam Ananthakrishnan (Pune) and Rajmal Jain (Ahmedabad) discussing the logarithmic-periodic antenna on top of the roof of the institute. It was manufactured by Somamshu Udyam out of standard aluminium profiles procured from a local store. The antenna is pointing to an average position of the sun transit. This (small) antenna covers 100 MHz – 1000 MHz. Another log-per covering 30 MHz -950 MHz is ready to be installed. The present design after Ashish Rojatkar shows a very good reflection coefficient s_{11} over the whole band. The low noise 20 dB preamplifier is mounted on top of the antenna.

Fig. 2: Right 1st light at Pune, the first harmonic of low frequency type II solar radio burst.

Welcome Pune on the e-Callisto network!



Fig. 3: Antenna instructions by the author



Fig. 4: more instructions close to the 4.5m dish



Fig. 5: Visit at GMRT (45 m dish < 1'500 MHz)



Fig. 6: Training related to Callisto software

AOB

Three other stations are currently preparing their installation:

1. Nairobi/Kenya
2. Ahmedabad/India
3. Katubedda, Moratuwa, Sri Lanka

Whitham Reeve, Anchorage/Alaska started a small series of Callisto instruments which are 100% compatible to the ETH-version (except power connector). If anyone needs additional instruments, this is the URL with complete ordering information:

<http://www.reeve.com/Solar/e-CALLISTO/e-callistoOrderInfo.htm>



Eidgenössische Technische Hochschule Zürich
Swiss Federal Institute of Technology Zurich

eC03 (Badary Siberia) has been successfully repaired after a heavy lightning stroke. All integrated circuits had to be replaced while the tuner CD1316IL/V survived.

The latest documents describing hardware manufacturing of Callisto here:

<http://www.reeve.com/Documents/CALLISTO/CALLISTOSoftwareSetup.pdf>

And latest guide for software installation/configuration here:

<http://www.reeve.com/Documents/CALLISTO/CALLISTOConstruction.pdf>

Both documents are much more detailed than the Callisto-internal pocket guide.

Relevant Callisto-related links can be found here:

<http://e-callisto.org/>

Direct access to all Callisto data available here:

<http://soleil.i4ds.ch/solarradio/callistoQuicklooks/>

Callisto application V1.15 has been released recently here:

http://www.astro.phys.ethz.ch/astro1/Users/cmonstei/instrument/callisto/ecallisto/Callisto_V115.zip

The function Help→Info has been updated. You have now direct access to the latest version of documentation via the web (internet connection necessary). In addition you may directly open the folder of Callisto to access configuration and frequency files. Now the actual date is displayed on the application instead of static text 'Label2'.

Christian Monstein
Institute of Astronomy
ETH Zürich HIT J41.4
Wolfgang-Pauli-Strasse 27
CH-8093 Zürich
Switzerland

Office (HIT J41.4): ++41-44-632-42-24
Laboratory (HPT B109): ++41-44-632-71-32
Laboratory (HPP Q12): ++41-44-633-81-16
Institutes Fax (HIT): ++41-44-632-12-05
Zurich-observatory (STS): ++41-44-632-38-11
Bleien-observatory (RSG): ++41-62-842-10-55
Mobilephone/SMS : ++41-79-755-60-07

email: monstein@astro.phys.ethz.ch
www: <http://www.astro.ethz.ch/people/cmonstei>



Eidgenössische Technische Hochschule Zürich
Swiss Federal Institute of Technology Zurich

If you do not want to receive this status-report just send me an email that I can take out your email of my list.

On the other hand, if you know of someone who might be interested just send me the email of that person.

Distribution:

Arnold O. Benz A. Csillaghy Säm Krucker	ETHZ, Switzerland FHNW, Switzerland FHNW, Switzerland	benz@astro.phys.ethz.ch andre.csillaghy@fhnw.ch samuel.krucker@fhnw.ch
P. K. Manoharan D. Nandagopal R. Venkatasubramani	NCRA Ooty, India	mano@wm.ncra.tifr.res.in dng@mailhost.tifr.res.in rvs@mailhost.tifr.res.in
R. Ramesh V. C. Kathiravan	IIA Gauribidanur, Bangalore, India	ramesh@iiap.res.in kathir@iiap.res.in
Alexander Altyntsev Sergey Lesovoi	SSRT Badary/Irkutsk Russian Federation	altyntsev@iszf.irk.ru lesovoi@iszf.irk.ru
Francisco Frutos Jorge Paez Marco Paez	CINESPA, Costa Rica	frutos@fisica.ucr.ac.cr paezjorge174@gmail.com cristalvitro@ice.co.cr
Alejandro Lara Gaudencio Paz Martinez Beatriz Argumedo Uribe	UNAM, Mexico	alara@geofisica.unam.mx gaupaz@yahoo.es be.argumedo@gmail.com
Kyungsuk Cho SuChang Bong	KASI, Daejeon, South Korea	kscho@kasi.re.kr scbong@kasi.re.kr
Christophe Marqué	ROB, Bruxelles Belgium	cmarque@oma.be
Hanumant Sawant Joaquim E. R. Costa Francisco C. R. Fernandes	INPE Sao José dos Campos Brazil	sawant@das.inpe.br jercosta@das.inpe.br guga@univap.br
Girish Kumar Beeharry Rajasekhara Gauribidanur	MRT Bras d'Eau, Poste de Flacq, Mauritius	gkb@uom.ac.mu rajagbd@gmail.com
Usnikh Sukhbaatar S. Demberel D. Batmunkh	RCAG in Khurel Togoot near Ulaan Baatar, Mongolia	sukhbaatar_u@yahoo.com demberel@rcag.ac.mn batmunkh@rcag.ac.mn
P. Gallagher Joe McCauley Pietro Zucca Eoin Carley	TCD/Birr castle, Ireland	GALLAGPT@tcd.ie PMCCULEY@tcd.ie pietrozucca83@gmail.com eoincarley@hotmail.com



Eidgenössische Technische Hochschule Zürich
Swiss Federal Institute of Technology Zurich

Peter Wright	ERAC, Germany	Erachq@aol.com
Mihai Dumitru EDRO	Melbourne, Australia	cmdumitru@usec.net
Hans Michlmayr VK6ZT	Perth, Australia	hmichlmayr@bigpond.com
Jim Sky KH6SKY	Ocean View, Hawaii	radiosky@radiosky.com
Karel Jiricka	OSRA, Czech Republic	jiricka@asu.cas.cz
Merja Tornikoski Silja Pohjolainen Juha Kallunki	Metsähovi Radio Observatory Finland	mtt@kurp.hut.fi silpoh@utu.fi kallunki@kurp.hut.fi
Ayman M. Mahrous Heba Salah	Helwan university Egypt	ayman.mahrous@gmail.com galaxy2049@yahoo.com
Wolfgang Arnold	DJ3QD	arnoldwo@aol.com
Whitham D. Reeve	Anchorage Alaska USA	whitreeve@gmail.com
Radial Anvar	Malaysia	adi_astro@yahoo.com
Zety Sharizat Hamidi	Malaysia	zsharizat@yahoo.co.uk
Oleg Gontarev	Almaty Kazakhstan	gog2035@yandex.ru
Ericson Lopez	Ecuador	observaquito@gmail.com
Walter R. Guevara Day	Peru	walter@conida.gob.pe
Paul Baki	Nairobi Kenya	paulbaki@gmail.com
Alexander MacKinnon	Glasgow	a.mackinnon@educ.gla.ac.uk
Ivan Dorotovic	Slovakia	ivan.dorotovic@suh.sk
Janaka Adassuriya	Sri Lanka	adassuriya@accmt.ac.lk
Rajmal Jain	Ahmedabad, India	rajmal@prl.res.in
Subramaniam Ananthakr.	Pune, India	subra.anan@gmail.com
Legesse Kebede	Addis Abeba, Ethiopia	legesewk@yahoo.com
Fritz Lensch OE3FLB	Austria	oe3flb@gmx.at
Karl-Heinz DL6EBS	Germany	radioastronomie@dl6ebs.de
Peter Messmer	TXCORP, USA	messmer@txcorp.com
N. Gopalswamy	NASA/GSFC, USA	Nat.Gopalswamy@nasa.gov
David Webb	ISWI representative	david.webb@bc.edu
K. Yumoto	ISWI representative	yumoto@serc.kyushu-u.ac.jp
G. Maeda	Editor ISWI newsletter	maeda@serc.kyushu-u.ac.jp
J. M. Davila	NASA/ISWI, USA	joseph.m.davila@nasa.gov
B. Thompson	NASA/GSFC, USA	Barbara.J.Thompson@nasa.gov
Stephen White	University of Maryland	Stephen.White@kirtland.af.mil
H. Haubold	UN Office of outer space affairs, Vienna	hans.haubold@unvienna.org

