	Title:	Reference:
	Minutes of the 30th Scientific Committee Author: Annie BAGLIN	COROT.LESIA.08.013 Version: 1 Date: 12/12/2008

Minutes of the 30th Scientific Committee

Held at Institut d'Astrophysique de Paris, December 2nd 2008.


Prepared by par:	Annie Baglin	
Accepted by:	The SC members	

MODIFICATIONS OF THE DOCUMENT

Ed.	Revs.	Date	Modifications	Visa
1				


REFERENCE DOCUMENTS

Reference	Title of the document
SC30-DR1	Mission status Olivier Vandermarcq CNES
SC30-DR2	Data production and delivery M.A. S.C.
SC30-DR3a,b,c	Future pointings EM,

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DIFFUSION:

G. ALECIAN	OPM	X
M. AUVERGNE	OPM/LESIA	X
A. BAGLIN	OPM/LESIA	X
P. BARGE	LAM	X
C. CATALA	OPM/LESIA	X
M. DELEUIL	LAM	X
M. FRIDLUND	RSSD/Estec	X
R. GARRIDO	IAA/Spain	X
T. GUILLOT	OCA	X
E. JANOT-PACHECO	Sao Paulo University	X
L. JORDA	LAM	X
E. MICHEL	OPM/LESIA	X
A. NOELS	IA Liege	X
M. OLLIVIER	IAS	X
H. RAUER	DLR Berlin	X
D.ROUAN	LESIA	X
I. ROXBURGH	QMW London	X
J. SCHNEIDER	OPM	X
G. VAUCLAIR	OMP	X
W. WEISS	IA Vienna	X
O. LA MARLE	CNES	X
O. VANDERMARQ	CNES	X
C. IMAD	OPM/LESIA/secretariat	X

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Participants:

G. Alecian, M. Auvergne, A. Baglin, P. Barge, C. Catala, M. Fridlund, R. Garrido, E. Janot-Pacheco, O. Lamarle, E. Michel, I. Roxburgh, J. Schneider, G. Vauclair, O. Vandermarcq, W. Weiss

Non-attendees: A. Noels, JL Counil, D. Rouan, H. Rauer, T. Guillot, M. Ollivier M. Deleuil, but send a message

1 Mission status Olivier Vandermarcq CNES

O.V. presents the different points concerning the status of the mission (see SC30-DR1), after 706 days in space.

The last runs have lasted 28 days for SRc02, 32 days for SRA02 . LRA02 started on November 8th and is expected to last 136 days.

The three successive pointings have been very successful and fast.

There have been some PLTM2 losses on SRA02. An improvement of the reactivity of the Alcantara antenna is necessary. The use of VGS (the Vienna antenna) is studied, but not very easy.

A crash of the decommutation module TMPROC has delayed the delivery of N0 to LESIA. Space debris seen by CoRoT are studied by a new engineer at CMC.

A problem with the TC generator lead to incorrect masks for one star of the seismology SRc02 and of SRA02. *Help Olivier*

A project meeting is foreseen in January and the second REVEX in March.

2 Data reduction and delivery. Improvement of the pipeline

Michel A. recalls the past deliveries (see SC30-DR2).

Concerning the new version, MA stresses the difficulty, which seems to vary from one target to the other, as it is essentially due to the evaluation of the PSF.

The improvement of the correction (version V2) is being tested on specific light curves.

The exo-imagettes pipe-line has been delivered at LAM and is being implemented at LESIA. First release on Ita01 by the end of the month.

The planning for the delivery of V2 data is presented, taking into account the scientists wishes.

3 Results and publications


10h20 11h30

3.1 -Footnote modification proposition by W.W.

"The CoRoT space mission was developed and is operated by the French space agency CNES, with participation of ESA's RSSD and Science Programmes, Austria, Belgium, Brazil, Germany, and Spain"

Action SC30-1 MF: How to cite ESA,

When writing this minutes we have the answer: we have to continue to quote both entities (RSSD and Science Programme) as before.

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Action SC30-2 AB Modification of the data rights document, and message to all CoRoT community, after the answer of MF, asap

3.2 Remarkable publications

* a paper in Science on solar like stars + press conf, very successful

Several demands from musicians to access the data: OK when public

- a submission to Nature on solar like oscillations in red giants
- a project of submission to Nature for the chimera

3.3 Builders in the list of authors.

Following a question by WW. the SC confirms what is written in the Scientific policy and Data rights document.

But it does not work well and some more has to be “organised”.

It is a complex and touchy question, and the discussion was also complex!

There is a concern that builders should not be forgotten.

If for each paper, all builders (11) are proposed as authors, it makes the whole system quite heavy.

M.F. recalls that, for ESA mission, the builders are generally rewarded only through the publication of one instrumental paper.

In the case of CoRoT, it is more difficult, as many builders are in fact researchers, which need recognition through publications.

It is proposed to try to make a list of the builders which should be authors in the different types of papers, trying to forget nobody

Ex: paper dealing directly with Exoplanet data should include Reza Samadi, Laurent Jorda, Marc Ollivier, M. Auvergne in the list of authors

The builder who belongs to the three first should be the most concerned by the content.

When the paper is submitted to CoRoTpub, the editor should verify that the list of authors is correct.

Action SC30-3 AB propose a preliminary list of Builders/content of paper, ASAP

4 Observing programme

4.1 LRc03:

The position has been optimised by the exoplanet programme (see SC29)

EM presents the sismo selection with a few changes since the early presentation of the last SC


The position is now fixed.

MD says that he data will be ready on time and that a very long run would be very interesting, according to its selection.

The general feeling is that 150 days or 180 days does not matter much. The SC has decided to have a short run associated to it.

Action SC30-4 AB Post the position of LRc03 on the web site

Action SC30-5 WW Issue an AO (AO-6) for specific targets on this field.

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4.2 A short run in the centre: SRc03

E. M. recalls the different possibilities already looked at for fields to be observed in the framework of the seismology exploratory programme (selection driven by specific objects of the seismology field, without constraints from the exoplanet programme).

As we have already observed 100 objects, it seems necessary to have a global view of these observations before choosing a pointing.

Action SC30-6 AB Post the table of the observed targets in seismology on the web page, after checking the information by all the SC members. December 15th

The choice of the field has to be done before April, so can be fixed at the next SC.

4.3 Reobservation of LRa01_E2_0165,

MD proposes to have a new run on LRa01_E2_0165, the smallest planet candidate. After a long discussion, it does not seem appropriate to have this run at the end of LRa02 (which would be significantly shortened).

The need is not yet completely clear and some more discussions are needed in the CEST (*help!*).

4.4 LRa03

The pointing was chosen on HD 43587 long ago, the only real solar like object. And it is this target, which has driven the decision of the drift!

E. M. recalls the content of the field, which is also acceptable for the exo programme, though not exceptional!

A more precise position will have to be decided at the next SC.

5 FU activities


5.1 Exo programme

This is the message from M.D.

“The business is on going. People on the exo side are tuned, i don't really know what seismo people wants to learn, but, to summarize:

- we applied and get DDT time on CRIRES
- we applied for DDT on HARPS for Corot-exo-7b and at that time, we have nearly to time left on HARPS GTO for the screening of our candidates. This will be discussed next week at the FU teleconf but I'm afraid the end of the semester will be strained for the candidates screening. We can do the brightest one with SOPHIE of course (we should get the observing time, let's cross our fingers) but there are some technical issues which limit the performances of the spectrograph. So, if we can squeeze some targets on the seismo time on HARPS it could be very valuable... But I'm fully aware that we are talking about time allocated to their private program, so in principle we have nothing to do with.

- ESO proposals : like everybody we are still waiting for the results. Somebody in the TAC confirmed me that the discovery of a small planet will help a lot getting the time...

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- Keck: Chas kindly provided us with one technical night at the very beginning of January. In fact, of course, like ESO, he wishes a bone fide candidate (a planet, let's say!). The foreseen option was to observe the spectroscopic transit of one good candidate. According to the latest new I've got, this candidate does not show any radial velocity variations and so could be no longer worth complementary observations. I've got to discuss the case in more details with Francois and we should find something else for this night. In any case, my concern is that it seems that the screening of candidates is not something Chas wants Keck to contribute to.

+ ESA telescope at Tenerife under Hans Deeg (*Help!*)

“ MD recalls also that a new version of **Exo-Dat** is now on line. It has been improved a lot and people can access various catalogues and also the spectra obtained through exoplanet FU observations (a new update will take place this week). I've to chat with the owners of the spectra to check that they are steel agreeing with. In principle, my request to the engineer working on the database, was not to provide the spectra themselves but, in a first step, only the information about their existence. Let's hope that people will be fair play and that the AP who are accessing the database will contact the PI of the program if they wish to use these spectra. So, there are still some points to be fixed, but it's on the good tracks.”

To the question of how to cooperate fruitfully with the APs as raised often by Magali, W. W. says that M.D. can take the initiative to ask for help.

5.2 The sismo programme

C. Catala says that the ^programme is running very well at ESO (Large programme)(*help!*)
There are also observations made with Narval at OPM and at OHP
What's about the brasilains..i missed something!

6 The extension of CoRoT

6.1 Propositions for a new programme

Many ideas came out from the discussion


- * Improvement of the onboard software (could be discussed at the project meeting in January`
- * Improvement of the ground segment
- * extension of the eyes to reach more distant sources e.g. 10 Equ, Hyades
- * modification of the drift
- * reobservation of a preceding field
- * new positions
- * What should be CoRoT when KEPLER will fly?

6.2 Planning

The first step will be a presentation at the symposium

Then a detailed document has to be written for the end of February and presented at the next SC in early March.

Action SC30-7: AB Gather the propositions from the CO-Is before January 10th

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Prepare a talk at the symposium

Prepare the document

7 Preparation of the symposium

- Logistics is under the responsibility of CNES through their contact with Colloquium. Due to the heavy cost, Observatoire de Paris has proposed to take the responsibility of several activities (coordinator JP Michel from LESIA), posters, panels, internet slots, photocopier, one computer, part of the welcome, printing of the abstract book....

- Invited speakers: Positive answers from Turquem, Zahn, Agol, Giampapa, Kurtz

- Selection of contributions: report of the Advisory board meeting of December 1st
 More than 180 received, sorted in sessions, 6 oral proposed per session, all the others in posters

Very difficult task, the symposium is too short, -

A few modifications after the distribution of the proposition to all the SC

Programme version 6 to be edited by the end of the week

- Poster sessions, at the end, but all posters will be posted during all the meeting...if we find enough space!

- Reception, supported by Thales, press conference at Paris Observatory just before

- Public event?

Grants: HELAS is funding support for 19 students and post-docs
 Paris Observatory funds 8 more, with the same criteria.

Invited speakers are funded by the CoRoT Science budget (from CNES).

8 General business

8.1 Co-Is and GI meeting:

The SC thinks that it is needed, and should be prepared asap, being held on February 6th just after the symposium in Paris.

The programme should contain at least

- the classifier

- exchange of informations on data

It is decided to ask the Co_Is about topics they would like to be raised.

Action SC30-8 AB Inform the Co_Is/GIs and ask for propositions

8.2 Meetings in seismology


GV and IR make a list?

I am not sure about what we decided....help!

8.3 Next meeting

In early march

Organise a Doodle ballot

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9 Actions

Actions from SC28

SC28-4	Document on corrections	SC, MA, AB	Dec 2008	
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Actions from SC29

SC29-1	Put targets-sismo on the web page	SC, MA, AB	Dec 2008	
SC29-4	Prepare the 3 rd CoI-GI meeting	AB	Dec 2008	

Actions from SC30

SC30-1	How to cite ESA	MF	asap	
SC30-2	Modification of the data rights document, and message to all CoRoT community, after the answer of MF	AB	asap	
SC30-3	propose a preliminary list of Builders/content of paper	AB	asap	
SC30-4	Post the position of LRc03 on the web site	AB	December 15th	
SC30-5	Issue an AO (AO-6) for specific targets on the LRc03 field	WW	asap	
SC30-6	Post the table of the observed targets in seismology on the web page, after checking the information by all the SC members	AB	asap	
SC30-7	Gather the propositions from the CO-Is	AB	Jan 10th	
SC30-8	AB Inform the CoIs/Gis and ask for propositions	AB	Dec 15	