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|  | <p>Title: Minutes of the 26th Scientific Committee</p> <p>Author: Annie BAGLIN</p> | <p>Reference: COROT.LESIA.07. 019 Version: 1</p> <p>Date: 31/12/2007</p> <p style="text-align: right;">Page: 1</p> |
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Minutes of the 26th Scientific Committee

Held at CNES HQ, December 11th 2007.


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

MODIFICATIONS OF THE DOCUMENT

| Ed. | Revs. | Date | Modifications | Visa |
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REFERENCE DOCUMENTS

| Reference | Title of the document |
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| SC25-DR1 | |

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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 |
| J-L. COUNIL | CNES | X |
| P. LAUDET | CNES | X |
| T. LAM-TRONG | CNES | X |
| C. IMAD | OPM/LESIA/secretariat | X |

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Participants:

G. Alecian, M. Auvergne, A. Baglin, P. Barge, M. Deleuil, M. Fridlund, R. Garrido, T. Guillot, E. Janot-Pacheco, L. Jorda, P. Laudet, E. Michel, A. Noels, M. Ollivier, I. Roxburgh, J. Schneider.

Invited: O. Vandermarcq

Non-attendees: C. Catala, H. Rauer, D. Rouan, G. Vauclair, W. Weiss

1 Debrief of the Meeting of the CO-Is/GI

All the members have the impression that it was necessary and successful, that it has increased the relationship with the community, and the common feeling of belonging to the group;

E. Michel remarks that the questions were not very numerous.

It is decided to have such a meeting every 6 months approximately, to share experiences and discuss results.

The next one will be around June.

2 Evolution of the data corrections

Following his presentation at the CoI-GI meeting, Michel Auvergne recalls the evolution he has foreseen.

It is agreed that corrections of effects of unknown origin belong to N1->N2, as for instance, multiplex correlations without clear physical explanations.

The correction of the imagettes is not yet implemented. At N1 level it contains only background and offset, as described in Reza Samadi 's document.

3 The 1000 light curves for tests

P. Barge says that 16 people have played with them. Some ideas for corrections have been studied. M.A. proposes that each person having ideas on corrections contact him to discuss the interest to implement them in the standard chain.

These light curves have been used also by the AcroCoRoT group of the HH exercise.


4 The Observing programme

4.1 LRa01/SRa01

The present session in the anticentre will last on April 1st, with SRa01.

So the total duration available does not allow a 150 days and a 20 days run. So the scientific Committee has to decide when to switch from the long run to the short one.

After long discussions trying to keep a long duration on LRa01 which is probably the best field for exoplanet, and a reasonable duration for SRa01 on NGC2264 which is very valuable it is decided to stop the long run after 134 days and keep the rest (21 days) for SRa01.

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4.2 LRC02

The present proposal is acceptable, though at the limit of the flight domain in roll angle.

4.3 SRC02

The proposition of the CEST presented by MD at the last SC to reobserve LRC01 to make simultaneous observations with Espadons is retrieved, as the Espadons proposal has not been accepted.

The next Short run in the centre is dedicated to seismology, in the framework of the Additional Programmes.

EM proposes HD 174532, already retained by the SWG, which contains a lambda Bootis, an HgMn, and a low rotating delta scuti.

This choice is confirmed by the SC.

The CEST, asks that it takes place at the beginning of the season, if possible.

4.4 SRA02

T.G., on behalf of the team on HD 46345, asks for an observation as early as possible to try to have simultaneity with SPITZER. He considers that the CoRoT observations could be a + for the TOC of Spitzer.

It is decided to observe it as early as possible, e.g. at the beginning of the winter season.

Action SC26-1: OV and AB study the possible planning of observations till this run, next SC.

4.5 LRA02

The proposition by E.M. is not accepted by MD. It has potential problems of feasibility, as remarked by MA. So it is decided to take the decision at the next SC

Action SC24-7: postponed to SC27

5 Data rights

5.1 Evolution of the Scientific policy and Data Rights document


A request from the CEST of a modification of the schedule of delivery is presented by PB. After some discussion, it is decided to wait for the implementation of the jitter corrections on white light to take a decision.

In seismology it was previously decided (and introduced into the document) to have a 3 months delay for publication of the analysis papers to protect an advantage to the modellers.

However, it is stressed by some members that this delay is difficult to accept, as it slows down publications.

Finally, summarising the debate, Ian rephrases the § as:

These type 1 papers producing mode parameters (frequencies, amplitudes, phases, linewidths, etc...) will be made available only to Co-Is, in preliminary form as soon as possible, and posted on the the CoRoT Pub site as soon as accepted by the internal referees to be accessible only by Co-Is. Once accepted by the internal referees these papers can be submitted for publication. But the

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papers, and their contents, may not be released outside the CoRoT Co-I community in any form (eg preprints, astro/ph, conferences, web pages, lectures, personal communication,.....etc ...) prior to publication; except that, if the paper has been accepted for publication but not yet published, it can be released 4 months after its listing on CoRoT PUB.

This is to ensure a propriety period for works on modelling and seismic interpretation.

Type 2: Others

These works are in the hands of Co-Is (who have access to the N2 data as soon as it is available) and include works of data analysis separate from that described above under Type I papers, and works of modelling and seismic interpretation.

Co-Is will have proprietary access to the results of Type I papers for the period prior to publication, or for 4 months after listing on COROT Pub, as described above.

Co-Is undertaking analyses of light curves are encouraged to cooperate with the relevant groups undertaking such analyses for Type I papers.

Action SC26-5 AB: Include this new sentence in the document

5.2 Doc on the AP system

W. Weiss, who is absent, has prepared a modification of a document, which is presented by AB. The SC stresses that it is very important to validate the classification tool, with all the experts and the proposers.

It is decided to have a meeting in Marseille in January or February.

5.3 Evolution of the embargo rules.

Now that data have been released, the embargo is the standard one.

Data access is restricted to Co-Is and GIs for one year.

For IRa01 it means till December 10th 2008.

Is there a need to upgrade the booklet of this summer? Discussion for the next SC.

6 Cooperation with NASA


AB, MD and PB have met (or through at teleconf) Lia Piana from Astrophysics Division, Science Mission Directorate, NASA HQ, and Charles Beichman, Executive Director, Michelson Science Center, California Inst. of Technology.

The aim of the meeting was to discuss the possibility to collaborate with the Kepler mission.

Lia stressed that it is now in the hands of NASA and that scientists should make proposals which will then be negotiated between the space agencies.

Concerning the question of the NStED archive, already discussed and for which we already send a letter to Beichman, it is proposed to continue the discussion in more details during a visit of D. Ciardi, early next year.

But Lia Piana stressed that other types of cooperations can be foreseen. And she asked the Corot

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team to send her a letter to make some propositions.

After some discussions, it is decided that M.Fridlund will prepare a draft. AB will circulate the project of letter not later than January 5th.

7 Publications

7.1 First papers

* 3 papers on exoplanet discoveries are ready and will be downloaded on CoRoTpub next week.

A letter to the editor of A and A on the discovery of CoRoT-exo-1b

A letter to the editor of A and A on the discovery of CoRoT-exo-2b

A letter to the editor of A and A on the spectroscopic follow-up of CoRoT-exo-2b

* MA presents his project of paper on Performances, with more than 100 authors.

* EM proposes to present to Communication in Asteroseismology a paper on the CoRoT seismometer, with a first draft in January.

7.2 Corotpub

Seems to be working well

8 Outreach

The next press conference will be held on December 20th just before the party for CoRoT birthday.

It will focus on the quality of the data, on the successful 150 days continuous observation, on the detection of a second solar-like star with oscillations, and of a second exoplanet, observed also in velocity from ground-based observatories.

A list of PR responsible in the different countries and labs is set up.

The press release will be translated in English by CNES and ESA and then in other languages by the country representatives themselves.

It is stressed that there will be a date for the announcement, and that this date should be the same everywhere. It is fixed at December 20th 12.

9 Meetings


9.1 3rd Corot Brazil meeting

As reported by E. Janot, the meeting was very successful, mainly focussed on the AcroCoRoT programme. It gathered in Natal, more than 60 participants, mainly Brazilians, and a colleague from Chile, opening interesting possibilities of cooperation.

9.2 Jenam 2008

A general lecture is proposed.

Action SC 26-2: A.B Ask W. Weiss to make the proposal

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9.3 First CoRoT symposium in late 2008

Cnes has already chosen the organiser and discussions should start soon.

The place is not yet chosen. The centre of Paris is favored.

A Scientific Committee has to be set up asap.

Action SC26-3 AB Nominate the SC and discuss with CNES and the organiser.

9.4 Miniworkshop on CoRoT-exo-2b

PB organises such a meeting, just after the CEST meeting, in Berlin at the end of february.

9.5 CoRoT variability classification

A short meeting gathering all the specialists of classes of variables will be organised in Marseille in late janaury.

Action SC26-4 MD AB Organise the CVC (CoRoT variables classification) meeting

10 General management

10.1 List of CO-Is, evolution of the teams

A. Noels proposed to replace R. Scuflaire who retires by Anne Thoul. The SC accepts.

A. Lanza asks to include Rudlinger in the team of his AP proposal. This is accepted.

10.2 Next SC meeting.

The next meeting is fixed at **March 14th, 2008 in Paris**

11 Actions

Actions from SC 19.


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| SC19-1 | Document on the observing programme | AB | July 1st | |
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Actions from SC24

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| SC24 -7 | Evaluation of the position for LRA2 proposed by the EWG, next SC | EM | Postponed to SC 27 | |
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Actions from SC25

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| SC25-6 | Present a final version of "Management of the Additional programme in the exo field" | WW | SC26 | |
| SC25-9 | Put the list of meetings on the web page | AB | ASAP | |
| SC25-10 | Upgrade the booklet, | AB | October | |

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Actions from SC26

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| SC26-1 | Study the possible planning of observations till this run, | AB, OV | SC27 | |
| SC26-2 | Ask W. Weiss to make the proposal | AB | asap | |
| SC26-3 | Nominate the SC and discuss CNES and the organiser. | AB | January | |
| SC26-4 | Organise the CVC (Corot variables classification) meeting by late January | MD AB | asap | |
| SC26-5 | Include the new sentence in the document | AB | SC27 | |