	Title:	Reference:
	<b>Minutes of the 35th Scientific Committee</b> Author: Annie BAGLIN	<b>COROT.LESIA.10.00</b> <b>Version: 1</b> Date: 21/03/2010
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## Minutes of the 35th Scientific Committee

Held at Paris Observatory (room Danjon) , on March 12th 2010.


<b>Prepared by par:</b>	<b>Annie Baglin</b>	
<b>Accepted by:</b>	<b>The SC members</b>	

### MODIFICATIONS OF THE DOCUMENT

Ed.	Revs.	Date	Modifications	Visa
1				


### REFERENCE DOCUMENTS

Reference	Title of the document
SC35-DR1	Mission status OV
SC35-DR2	Exoplanet results MD
SC35-DR3	Priorities from CEST CM
SC35-DR4	Priorities of the sismo programme
SC35-DR5	Data treatment and deliveries SC
SC36-DR6	Second CoRoT Symposium MD

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**DIFFUSION:**

G. ALECIAN	OPM	X
M. AUVERGNE	OPM/LESIA	X
A. BAGLIN	OPM/LESIA	X
F. BAUDIN	IAS	X
P. BORDE	IAS	X
C. CATALA	OPM/LESIA	X
S. CHAINTREUIL	OPM/LESIA	X
M. DELEUIL	LAM	X
M. FRIDLUND	RSSD/Estec	X
R. GARRIDO	IAA/Spain	X
T. GUILLOT	OCA	X
A. HATZES	Tautenbourg	X
E. JANOT-PACHECO	Sao Paulo University	X
L. JORDA	LAM	X
E. MICHEL	OPM/LESIA	X
C. MOUTOU	LAM	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
K. ZWINTZ	IA Vienna	X
O. LA MARLE	CNES, Paris	X
O. VANDERMARQ	CNES, Toulouse	X
C. IMAD	OPM/LESIA/secretariat	X

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## **Participants:**

All members except C. Catala, E. Janot-Pacheco, L. Jorda, D. Rouan, A. Hatzes, M. Ollivier

## **1 Mission status**

Olivier V. presents the status of the mission (see SC35-DR1).

The report on the loss of chain is issued. Its conclusion is that the problem is more likely in DPU1, because if it was located in the 1553 bus it would produce other anomalies.

It is decided to make no attempt to recover.

The satellite and the instrument (with only chain 2) are working very well.

In LRC03 there has been less than 10% of TM losses

There may be some planning difficulties to stop the drift at the end of the present run, if we continue it till March 29<sup>th</sup>.

A possibility would be to shorten the run by 4 days. This option is considered as very negative for the scientific return of this run devoted to a SdB.

The SC proposes to keep the length of the run, and to postpone the stop of the drift to the end of the following run.

## **2 Recent results, Announcements, PR**

### **2.1 For the seismology programme,**

*Eric Help!*

### **2.2 For the exoplanet program**

*Magali help!*

( See SC35-DR2)

### **2.3 For the additional programmes**

*Werner help!*

### **2.4 The project of an Information sheet.**

As SC 33 TG proposed to edit an information sheet monthly to help scientists from the CoRoT community to present and discuss the latest results.


Considered as interesting, it has been however impossible to converge to a precise format and content.

### **2.5 PR activities**

A press release has been issued by Leuven for the paper in Nature “ Detection of periodic deviations from uniform spacing of gravity mode oscillations in a hot massive star.” On March 11<sup>th</sup>

A press release has been prepared by CEST for the publication in Nature of CoRoT-9b: “A transiting giant planet with a temperature between 250K and 430K” on March 18<sup>th</sup>.

The PR contacts are not yet collected (Action SC34-2 OLM)

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## 2.6 The CNES web page on « Scientific results »

AB presents the draft, collected with the help of different persons (EM, CM, ...)

CNES is ready to open it as soon as it is considered as sufficiently complete, and to update it every month..

**Action SC35-1:** collect the information, AB, asap and continuously

## 2.7 Corot Pub Upgrade

Several improvements have been asked by the users. TG has obtained an estimate of the cost. It is decided to do it, and to pay it on the science budget.

A discussion starts about the visibility of CoRoTpub for the public. Presently, only several tens of papers are visible. And it gives a negative image of the publication activities of the project. TP proposes to ask authors to update the status of the paper when accepted, and to ask people to download their papers on CoRoTpub.

But then there will be some duplication with the CNES site

It is decided to put a warning explaining that it is a working site and cannot be considered as the list of publications based on CoRoT data. Do obtain such a list [click here](#) (link to ADS search with CoRoT in the abstract or the title).

MF remarks that there are 170 referred papers since the launch.

In ADS the query CoRoT in title and/or abstract since 2007 returns 423 items presently.

## 3 General programme of the next 3 years

### 3.1 Planet requirements

CM presents the conclusions from the last CEST meeting. (See SC35-DR3)

*Claire help!*

### 3.2 Seismology

EM has contacted the SWG members by mail (Action SC34\_3) to determine whether the solution proposed by D Rouan to have at the same time, most of the seismo targets for a long period and two different pointings for the exoplanet with an interruption of a few days for repointing, is acceptable by seismologists.

The answer is YES

EM recalls the priorities for the seismology programme (see SC35-DR4)


- OB supergiants
- Cool solar like stars
- K giants with good parallaxes

*Eric Help*

### 3.3 Additional programmes

It is recalled that there has been some specific proposals :

NGC 2264 reobserved simultaneously with Spitzer

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NGC2244

Reobservation of 49330 (Be with flare)

A new AO has to be issued rapidly. It will be discussed at the next SC

MA proposes to have a sort of specification document describing the programme for 3 years and its requirements.

**Action SC35-2:** prepare the specification document for the extension for the next SC: AB, EM, CM, WW.....

#### **4 The Observing programme**

For the next pointing LRc05, SC34 had decided to try the scenario proposed by DR, called scenarion Daniel, cutting a 6 month duration in 2 equal parts, trying to preserving the long duration for as many sismo targets as possible, and the increase the number of dwarfs in the exoplanet field by observing a different region of the sky

After some debates, it looked possible to do so, but has to be more precisely defined.

The total number of dwarfs in the exofield will be around 5500, but the CP star of the sismo field has to be replaced in the second pointing, probably by a Be star.

OV asks for a rapid conclusion.

**Action SC35-3:** Fix the pointing for LRc05 by March 16 AB MA..

#### **5 Data**

\* SC presents the major activities of the data treatment and delivery. (See SC35-DR5)

\* Review of CDC: preliminary conclusions

Pascal Bordé, who is a member of the Peer review presents their preliminary conclusions.

Though globally they are satisfied they propose some improvements

They also insist on some lack of manpower at IAS and at LAM

*Pascal help*

#### **6 Meetings and workshops**

\* **Users workshop:**

a user's workshop is suggested by the peer review

The format is not yet completely clear. It will be rediscussed at the next SC.

\* **Transit meeting at OHP**

CM says that everything is Ok. The registration has stopped as the maximum number of participants is already reached.


\* **CoRoT Brazil workshop**

The date is postponed to autumn

**Action SC35-4 :** propose a programme for CB4: EJ, JR, AB, asap

\* **COSPAR**

*Malcolm (help!)*

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**\* Sagan summer school**

The subject of the next Sagan summer school is Stars as homes for habitable planets.

**\* Second CoRoT Symposium in Marseille**

Presented by MD (see SC35-DR6)

The LOC is nominated. The place is not chosen yet

The SC decides that the whole SC has to be the SOC, as for the first one.

The total duration of 4 days seems adequate, including some parallel sessions.

**7 General management**

Evolution of the teams : No change in the Co-I list (see Minutes of SC35).

EM proposes to include Lester Fox in the Delta Scuti team. It is accepted

Date of the next SC meeting.

In may or june, but many participants will be very buzy

**Action SC35-5:** Set up a Doodle for the next SC date asap AB

**8 Actions**

<b>SC35_1</b>	collect the information for the CNES webpage	AB	Asap and continuously	
<b>SC35-2</b>	prepare the specification document for the extension	AB, EM, CM	next SC	
<b>SC35-3</b>	Fix the pointing for LRc05	AB MA..	March 16	done
<b>SC35-4</b>	propose a programme for CB4	EJ, JR, AB,	asap	
<b>SC35-5</b>	: Set up a Doodle for the next SC date	AB	asap	

**9 Actions still open**

<b>SC28-4</b>	Document on corrections	SC, MA. AB	Dec 2008	
<b>SC34-2</b>	Identify the CNES point of contact and organize a telecon to initiate the work	OLM	asap	