	Title:	Reference:
	Minutes of the 24th Scientific Committee Author: Annie BAGLIN	COROT.LESIA.07. 015 Version: 0 Date: 28/06/2007

Minutes of the 24th Scientific Committee

Held at CNES HQ, June 11th 2007.


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
SC24-DR1	Project status by P. Laudet
SC24-DR2	Observed targets by M. Auvergne
SC24-DR3	The sismo targets E. Michel
SC24-DR4	Short runs in the anticenter direction by A.Baglin
SC24-DR5	Field evaluation by M. Deleuil
SC24-DR6	Lettre of the Helas astero coordinator by C. Aerts

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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 Liège	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, C. Catala, J-L Council, M. Deleuil, M. Fridlund, R. Garrido, T. Guillot, L. Jorda, P. Laudet, E. Michel, A. Noels, M. Ollivier, P. Barge, H. Rauer, D. Rouan, I. Roxburgh, G. Vauclair, W. Weiss.

Non attendees: E. Janot-Pacheco, J. Schneider

1. Welcome

Jean-Louis Council, responsible of the Astronomy section of the programme Directorate at CNES, welcomes all the participants, and proposes to hold the Scientific Committee here as often as we want.

2. Mission status

P. Laudet, our project manager, recalls the general organisation of the ground segment.

See SC24-DR1

He mentions difficulties with the ground stations, which are being solved.

Concerning the software of CMC, he announces a Key Point at the end of July, where in principle all the problems will be settled.

3. Observed targets

M. Auvergne presents a first evaluation of the results of the programming on the sismo and exo fields. See SC24-DR2

In the sismo field, for the 3 first runs all proposed targets have been programmed for observation except one, which had to be changed as it was too close to the border of a CCD.


In the exoplanet field, the exobasket was redundant, so it was possible to select a complete set.

For instance, in one CCD, 5820 targets have been chosen in a exobasket of 7240. Most of the rejected stars are faint.

How to obtain the information ?

It is decided to make a web page on Corotpub for all the, available to all the Co-Is, containing for each run the Corotids of the observed targets.

4. Observing programme

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4.1. LRc1 in observation

Eric M. recalls the choice of the targets and the necessary modification of the last priority due to instrumental constraints (SC24-DR3, pages 2 and 3)

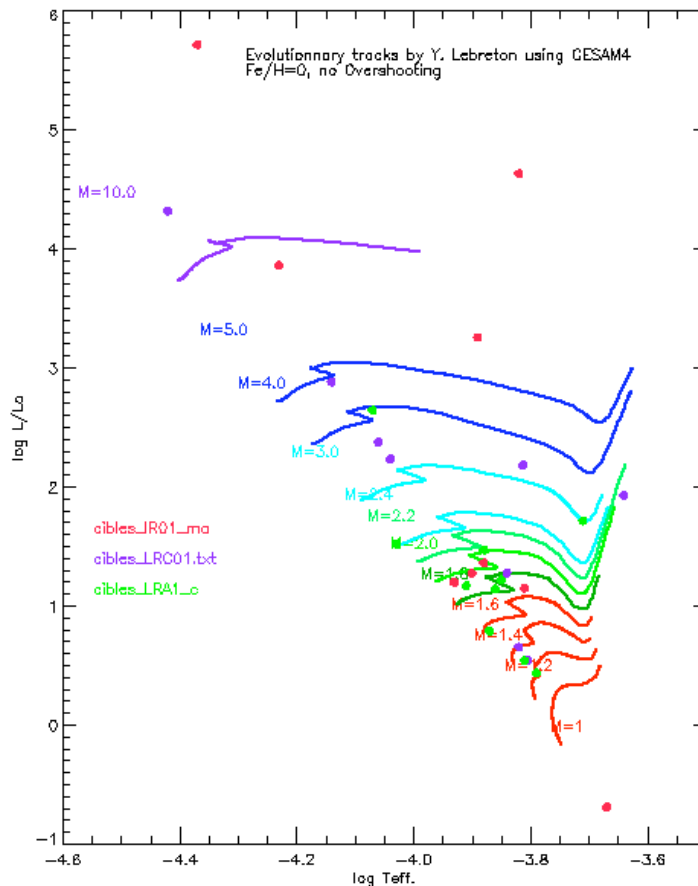
4.2. Anticenter session next winter

** The long run LRA01*

It is decided to have the long run LRA01 before the short run SRa01, as proposed. It will start on October 24th.

The choice of the targets are described in SC24-DR3, pages 4, 5, 6 and 7.


Eric M. presents the HR diagram of IRa01, LRc01 and LRA01.



It is quite nicely covered but main sequence stars of intermediate masses are missing.

Concerning the APs, W.W. recalls that the first AO covered this field.

It seems a good idea to send a message to the APWG to recall that Lra01 will be observed in October and that if people have specific objects to propose, they can do it before September 15th.

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Action 1: WW Send a message to the APWG for LRa01 ASAP.

** The short run SRa01*

It will be followed by a short run SRa01 dedicated to the Additional Programmes.
3 candidates have been accepted after a phase B study (see SC 18th, COROT.LESIA.06.020,) :
KP0620-0016, an SdB, NGC 2264 an open cluster, HD 46375 a star with planet,
The chronologic order was fixed due to their position. However, the position of the SdB run was wrong (SC24_DR4). So the order of the observations has to be rediscussed.
As the SC was not prepared to this discussion, it is decided to postpone it to the next SC
The choice of SRa01 to be observed in March/April 2008 will be done using

- Scientific rationale
- Properties of the seismo field
- Properties of the exofield

Action 2: AB prepares the discussion on SRa01

4.3. Centre session next summer

** LRc02 status*

Eric M. recalls the proposed position, with a very large roll angle, due to important specific targets (SC24-DR3, pages 8,9,10 and 11).
The HR positions have to be updated due to new determinations of the parameters, now available in Corotsky.
However, as already explained by M. Auvergne, this position is dangerous for the thermal equilibrium of the satellite. He asks to study a position with a smaller roll.

T

Action 3. E.M.: propose a new position for LRc2 with a smaller roll angle before July 1st

Action 4, M.D.: check this position for the exoplanet field

Final decision to be taken by July 15th to allow for the preparation of GB observations.


Action 5 : AB, MA Choice of LRc2

** SRc02*

There have been already several proposals at CW10?
The choice could be done at the next SC.

M.A. recalls that a decision concerning the drift of the orbital plane has to be taken soon. This shift was driven by the straylight problem which seems to be less important than expected.
A discussion and the decision will be taken at the next SC.

Action 6: A.B. and M.A.: prepare the decision for the drift at next SC

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4.4. Anticentre session winter 2008

* LRA02

The position, as presented at CW10 and described in the Corotbook is recalled by EM (SC24-DR3, pages 11, 12 and 13).

The proposed position is not favourable for the exofield and MD (SC24-DR5) proposes another position.

This position will be evaluated by the SWG, and MD is asked to provide a comparison of the populations, based on minimum magnitude of non-contaminated stars, histogram of contamination, and magnitude distribution.

Action 7: EM Evaluation of the position for LRA2 proposed by the EWG, next SC

Action 8: MD: present a more precise comparison of the two fields, next SC

5. Management of the AP programmes WW AB

It is recalled that if a programme, which has been accepted by the SC, needs specific targets, the PI has to:

1- Include it in the COROSKY data base, or make sure it is already in (S. Charpinet, J. Cuvilo))

Rem: Most, may be all, the SR will be programmed using USNO

2- When we prepare the exobasket, check that they are included

3- When the observations start and that the target is observed, W.W. proposes (or not)

Oversampling, through a procedure which has been agreed with LAM.

WW stresses that he needs to receive ASAP the light curves of the oversampled AP targets to make the decision to continue or not.

Action 9, WW: Write a document to explain clearly the whole procedure, and after check with AB and MD, circulate it among CO-Is, GIs and APWG members.

6. Status and validation of the N0/N1 reduction chain


M. Auvergne presents the general status of the reduction pipe-line.

6.1. Validation of the exo chain

M. Ollivier and L. Jorda report on the status of their evaluation. It is clear that there are still some checks to be done, but the first indications are promising. The photon noise is almost reached. The duty cycle is well above the specifications.

The colour information has not yet been looked at. The correction of outliers needs more attention.

A more elaborated report will be given at the next SC

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6.2. Validation of the sismo chain

E. Michel presents the evaluation made by F. Baudin, P. Boumier and himself (SC24-DR5). The specifications are all fulfilled. The chain seems reliable and its validation is accepted by the SC. The N1 data can now be produced by this chain to feed the seismo pipe-line. There are still some improvements to foresee in the treatment of the SAA, of the outliers and it is recalled that there is presently no temperature correction.

6.3. Conclusions

The development of the pipe-line NO → N1 is underway but not yet completely mature. There is a lack of manpower in the team due to both people leaving at the end of their thesis or contract, and difficulties at present to hire people with the good expertise through INSU contracts.

The SC stresses the difficulty of developing such a pipe-line and accepts a short delay on the deliveries.

It is decided to inform scientists that the data will be available sometimes in autumn.

The SC decides to organise a half-day session at the next SC on the pipe-line, with all validations. The SC foresees a meeting of CO-Is in autumn. The agenda will contain a presentation and discussion of the first results, a description of the data, of the corrections, of the alarm mode, of the archive access

7. Mission archive

F. Baudin, who was invited, could not attend

He sends this very encouraging message:

« The N1 archive is ready and tested with the preliminary version of N1 data (presently under evaluation). People involved in N1 data evaluation have access to these preliminary data, which are also transmitted to the LAM for testing the "alarm mode".


As soon as N2 data are available, login/password will be distributed to the Co-Is for N2 access. When N2 are available for a given run, specific login/password will be given for N1 access of this run when requested and authorized by the SC/PI. »

8. Data access

8.1. Embargo rules

The embargo rules are under the SC responsibility, and all what the SC has not approved is under embargo.

Most of the CO-Is have committed themselves to follow the embargo rules, answering the message send by A.B and recalled below. Only two of them have not answered.

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« Embargo rules: Annex to the document Scientific policy and data rights: CoRoT-DESPA-01_0014*

As a CoRoT CO-I, I commit myself to strictly respect the embargo rules on the data publications, as established by the CoRoT Scientific Committee. These rules apply to all type of announcements.

I am aware that the non-respect of these rules will lead to a suspension of my CO-I status. »

8.2. Presentations at meetings during summer

There is an impressive list of meetings in summer, that CoRoT CO-Is will attend.

The SC proposes to make available to all the Co-Is a set of figures illustrating the quality of CoRoT and its preliminary results.

It will contain information on the performances of the instrument, some light curves of different kind of variables in both fields, some FFT in sismo, some candidate transits in exo.

They will be proposed as a ppt file including jpg figures with some comments to help the speakers in their presentation. These figures can be shown but not published.

A paper to be prepared by A.B. should publish these results and be the reference for further quoting.

Action 10 A.B: prepare the presentation of the ppt file, with the help of EM, MA and PB, before July 10th

Action 11 A.B. Prepare a first reference paper on the preliminary results.

9. Publication policy

9.1. Approval of the Scientific policy and data rights document

The document, including the seismo publication rules discussed at the last SC, (COROT.DESPA.01.014, version 5 of 11/06/07). has been distributed in advance by mail. It is presented by AB.


Ian Roxburgh remarks that the language has to be corrected and proposes to reword it rapidly. JL Councils asks to modify “operated by CNES” by “developped and operated by CNES”, and that only ESA should be mentionned and not ESA and RSSD/ESTEC.

Except these points the document is approved by the SC.

Action 12, AB : Include these modifications and present the new version at the next SC.

9.2. HARPS follow-up programme.

Following the discussions of the last SC, A.B, and M.F. have asked F. Favata to contact the Swiss team. F. Favata has organised a teleconference between M. Mayor, D. Queloz, A.Baglin and himself. The friendly atmosphere has lead to the agreement that no specific rules will be defined for the HARPS FU programme. A.B. confirms that the work of the HARPS group will be quoted as it needs, which is the spirit of the CoRoT publication policy. Fabio Favata says that he

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will guarantee the application of this statement, and that in case of any difficulty encountered by the Swiss team he will act as a mediator.

10. CoRoTpub

Tristan G. reports that the tests seem to be OK. T.G. is thanked for this initiative. The site is now ready to be opened to the community.

Editorial board management ?

Abstracts ?

11. CoRoT involvement in HELAS

A. Noels reads the letter (SC24-DR6) send by C. Aerts on behalf of the Chair of the work package Asteroseismology of the FP6 Coordination Action in Helio- and Asteroseismology (HELAS)(SC24-DR6)..

She also confirms that the 3rd HELAS the symposium will be the CoRoT Symposium to be held in Paris by October 2008, and that HELAS will fund it at the level of 25 k€.

12. -Naming new planets

J. Schneider who has not been able to attend draws the attention of the SC on the new rules on the naming of astronomical objects. The discussion is postponed to the next SC

13. General business

Next meeting: **September 24th Paris Observatory**

One meeting every two months.

No modification of the list of CO-Is.


14. Actions

14.1. Actions from SC17 still open

SC17-6	Standard copyright	T L T	SC 18	
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Actions from SC 19.

SC19-1	Document on the observing programme	AB	July 1st	
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Actions from SC 21.

SC21-3	Install tests data in the archive	FB	ASAP	
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Actions from SC22

SC22-4	send a message to all coordinators and CNES to obtain this information on project team	M. A.	asap	
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Actions from SC23

SC23-3	Evaluate the best position for LRc02	MD	SC 24th	
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Actions from SC24

SC24-1	Send a message to the APWG for LRA01	WW	ASAP	
SC24-2	Prepare the choice of SRa01	AB	SC 25	
SC24-3	Propose a new position for LRc2 with a smaller roll angle	EM	July 1st	
SC24-4	check this position for the exoplanet field	MD	July 1st	
SC24-5	Choice of LRc2	AB, MA	July 15th	
SC24-6	preparer the decision for the drift	AB, MA	SC25	
SC24 -7	Evaluation of the position for LRA2 proposed by the EWG, next SC	EM	SC 25	
SC24-8	ppresent a more precise comparison of the two fields,	MD	SC25	
SC24-9	Write a document to explain clearly the whole procedure, and after check with AB and MD, circulate it among CO-Is, GIs and APWG members..	WW		
SC24-10	prepare the presentation ppt file	AB, EM, PB,MA	July 10	
SC24-11	Prepare a first reference paper on the preliminary results.	AB	SC25	
SC24-12	Include these modifications and present the new version	AB	SC 25	



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Table 1: List of Co-Is and GIs

Co-Is

<i>Name</i>	<i>first name</i>	<i>Country/lab</i>	<i>Institution</i>	<i>activity</i>	<i>WG</i>
RAUER	Heike	Germany	DLR Berlin	GBO, planet statistics, atmospheres	E/ECO
HATZES	Artie	Germany	Thueringer	GBO exo and sismo	E/SGBO
PAETZOLD	Martin	Germany	Cologne	Exo atmospheres	E
WUCHTERL	Guenther	Germany	MPI	Planet formation, mass distribution	E
ERICKSON	Andres	Germany	DLR Berlin	GBO, dynamics, planet statistics	E/ECO
FRIEDLUND	Malcolm	ESTEC	RSSD	Planets, ground obs, activity	E/A
FAVATA	Fabio	ESTEC	RSSD	Young stars activity	A
FOING	Bernard	ESTEC	RSSD	Link to space missions, activity	A
GONDOIN	Philippe	ESTEC	RSSD	activity	E/A
NOELS	Arlette	Belgium	Liège	Stellar evolution	S
AERTS	Conny	Belgium	Leuven	Beta Ceph, SPB	S
SCUFLAIRE	Richard	Belgium	Liege	Non adiabatic analysis	S
MAGAIN	Pierre	Belgium	Liege	Spectroscopic analysis	E
VANDEBUSSCHE	Bart	Belgium	Leuven	Instrumentation, Ground segment	Inst
GARRIDO	Rafael	Spain	IAA	GBO photometry	S
RIBAS	Ignacio	Spain	U. Barcelona	Binaries Eclipsing	AP
DEEG	Hans	Spain	IAC	Transit detection	E
ROCCA-CORTES	Theo	Spain	IAC	Data analysis and interpretation	S
SOLANO	Enrique	Spain	LAEFF	GB Data base	SGBO
WEISS	Werner	Austria	Vienna	APWG +lambda Boo, Ro Ap	S/AP/SGB
HANDLER	Gerald	Austria	Vienna	Gam Dor	APS
DVORAK	Rudolf	Austria	Vienna	Exoplanet orbit analyses	E
LAMMER	Helmut	Austria	Graz	Planetary atmospheres	E
ZWINTZ	Konstanz	Austria	Vienna	PMS	S
ROXBURGH	Ian	UK	QMW London	Excitation and amplitudes	S
AIGRAIN	Suzanne	UK		Activity modelling	AP
QUELOZ	Didier	Switzerland	Geneve	GB follow-up	EGBO

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KJEDSEN	Hans	Danemark	Aarhus	TBC	SGBO
MONTEIRO	Mario	Portugal	Porto	Stellar modelling (TBC)	S
JANOT-PACHECO	Eduardo	Brazil	U Sao-Paulo	Seismology Be stars	S
GREGORIO-HETEM	Jane	Brazil	U Sao-Paulo	PMS Stars	AP
de la REZA	Ramiro	Brazil	ON Rio	Proto-planets	E
MELLO	Gustavo	Brazil	O Vallongo, Rio	Giants	AP
de MEDEIROS	José Renan	Brazil	U Rio Grande del Norte	Rotation	S/AP
PORETTI	Ennio	Italy	Merate	Spectroscopy/delta scuti	SGBO
MICHEL	Eric	France	LESIA	SWG+delta scuti analysis	S
CATALA	Claude	France	LESIA	SGBOWG	SGBO
ROUAN	Daniel	France	LESIA	Onboard treatment	E
GOUPIL	Marie-Jo	France	LESIA	Moderate rotation	S
MOSSER	Benoit	France	LESIA	Solar planets	E/S
SAMADI	Reza	France	LESIA	Amplitudes	S
TIPHENE	Didier	France	LESIA	Instrument	Instr
BARBAN	Caroline	France	LESIA	Data analysis	S
DUPRET	Marc-Antoine	France	LESIA	Modeling, non adiabatic effects	S
SCHNEIDER	Jean	France	LUTH	Planets in multiple systems	E
ALECIAN	Georges	France	LUTH/GEPI	Chemically peculiar stars	S
HUBERT	Anne-Marie	France	GEPI	Be stars	AP/S
LEBRETON	Yveline	France	GEPI	Models	S
NEINER	Coralie	France	GEPI	Be stars	S/AP
OLLIVIER	Marc	France	IAS	Instrument	E/Instr
LEGER	Alain	France	IAS	Earth like	E
BOUMIER	Patrick	France	IAS	Instrument	Inst
BAUDIN	Frederic	France	IAS	Time frequency analysis	S
APPOURCHAUX	Thierry	France	IAS	data analysis	S
BORDE	Pascal	France	IAS	data analysis	E
BARGE	Pierre	France	LAM	EWG+Hot planet statistics	E
DELEUIL	Magali	France	LAM	EGBO	EGBO
JORDA	Laurent	France	LAM	Data reduction	E
MOUTOU	Claire	France	LAM	EGBOWG	EGBO
LLEBARIA	Antoine	France	LAM	Masks in E field	E
BOUCHY	François	France	IAP	Radial velocities	E

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VAUCLAIR	Gerard	France	OMP/LAT	WD	S
TOUBLANC	Dominique	France	OMP/CESR	Catalogues	E
VAUCLAIR	Sylvie	France	OMP/LAT	Diffusion and mixing	S
RIEUTORD	Michel	France	OMP/LAT	Fast rotation	S
CHARPINET	Stephane	France	OMP/LAT	Corotsky	S
LIGNIERES	François	France	OMP/LAT	Rotating models	S+SGBO
GUILLOT	Tristan	France	OCA	Hot Jupiters	E
PROVOST	Janine	France	OCA	Direct seismic analysis	S
BERTHOMIEU	Gabrielle	France	OCA	Optimisation interpretation	S
TOUTAIN	Thierry	France	OCA	Data analysis	S
MATHIAS	Philippe	France	OCA	gamma dor	S
TURCK-CHIEZE	Sylvaine	France	Sap/CEA	Modelling, g modes	S
GARCIA	Rafael	France	Sap/CEA	Data analysis	S
BALLOT	Jerome	France	SaP/CEA	modelling	S
AUVERGNE	Michel	France	LESIA	IS	Inst
BAGLIN	Annie	France	LESIA	PI	

GIs

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