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Minutes of the 12th Scientific Committee

held in Orsay, May 19th 2004.


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

MODIFICATIONS OF THE DOCUMENT

Ed.	Rév.	Date	Modifications	Visa
1				


REFERENCE DOCUMENTS

Index	Reference	Title of the document
DR1:	COROT.DESPA.01.014	Scientific policy and Data rights
DR2		
DR3		

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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
F. FAVATA	RSSD/Estec	X
R. GARRIDO	IAA/Spain	X
T. GUILLOT	OCA	X
E. JANOT-PACHECO	Sao Paulo University	X
L. JORDA	LAM	X
M. JOUBERT	CNES	X
T. LAM-TRONG	CNES	X
A. LEGER	IAS	X
E. MICHEL	OPM/LESIA	X
A. NOELS	IA Liège	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
P. BODIN	CNES	X
L. BOISNARD	CNES	X
C. IMAD	OPM/LESIA/secretariat	X

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Participants:

All members except T. Guillot, L. Jorda and M. Joubert

Though the different items have not been treated as in the proposed agenda, these minutes follow the agenda.

1. Status of the mission

1.1.Cooperations

Thien Lam-Trong summarizes rapidly the situation of collaborations.

From the technical and financial point of view, there are no major problems. The different partners have obtained the budget they need.

There is still a lack of formalism in some cases.

The agreement with Spain is ready but not yet signed...

Brazil has obtained the budget for the antenna and the different ingeniors and scientists working in the mission centre have obtained their funding. So we are now ready to sign the agreement.

T L-T confirms the planning with a launch in the first semester of 2006, and announces that at CNES the budget necessary for that is obtained!

1.2.Launcher

After the letter send by the SC to Mr d'Escatha, a meeting has been organised by CNES with The Scientific Community (represented by Gerard Megie CPS president, S. Volonte for ESA and the foreign countries(?), T. Encrenaz for CNRS/INSU, A.B , C. Catala and A. Leger, ArianeEspace (JY LeGall president, JM Luton, president of Starsem, F. Maroquene and F. Barrau also from Starsem, DLA/CNES, and the programme directorate of CNES.

At the end of this meeting it has been proposed to negotiate with AE a possible contract with the following constraints

- 2 successive successful launches of Soyuz 2-1a before the launch of Corot
- 5 key points in the development of the engine of Soyuz21B
- launch date at latest June 2006.

If one of these conditions is not fulfilled, the launcher will be a Soyuz FG

If this is not accepted by AE, the backup is Rockot. The decision has to be taken within 2 months.


Discussions are going on between CNES and AE with some difficulties.

The Committee expresses its strong concern about having a safe launch and considers that it is the responsibility of CNES. He is ready to send a new letter to the CNES president if necessary.

2. Follow-up of the answers to the LoI for AP

Following discussions during the Corot week, an agenda has been proposed by W. Weiss.

Discussions have been going on the content of the AO, which will contain the technical information necessary for preparing a proposal.

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As it is stressed that to make a proposal, one needs to know the pointing, it is clear that there will be several AOs, following the decision on the successive pointings. The pace could be 1 per year. The agenda for the decisions on the pointing depends on the status of the complementary observations, but it is possible to say that the first two pointings will be known after the next CW, which will allow to issue an AO some times after SC13, for an answer before SC14 and a selection at SC14.

The next SC will have to bless the content of the AO. W.W. and A.B. will present a draft at SC13.

3. The content of the Corot catalogue and data rights

3.1. CoRoT Data Centre (CDC)

As presented at SC10, CDC has the responsibility to reduce the data so that the light curves can be delivered to the Scientific Community, called level N2, and to archive them.

It is being developed now.

A key point will be organised by the end of 2004.

A.B. proposes that the SC participate to this KP. Details will be discussed at SC13

3.2. N3 products

It has been proposed that the CoRoT catalogue contains additional products, derived from the light curves, which will represent a scientific bonus.

These products, obtained from the N2 level are called N3.

The SC agrees on this idea.

It is decided that N3 products are part of the CoRoT catalogue, and will be submitted to delivery constraints, in the same way as N2, but that the production of N3 will not delay the publication of N2. These tasks should be under the responsibility of Co-Is.

A.B. says that the list of N3 products should be established by the SC, and proposes to initiate it by circulating a draft before May 24th.

Some products have already been proposed: photometric calibration, list of frequencies, list of candidate transits, variability classification, list of eclipsing binaries

C.C. stresses that this list can evolve with time, and that new N3 products can be added later..

SC members will answer, propose complements, modifications before May 28th.

Then the first version of the official list will be edited and send to Co-Is, asking them if they are interested in delivering these products. Answers will have to be given rapidly.

The SC will nominate the Teams in charge of each N3.


3.3. New version of the data rights document COROT.DESPA.01.014

As decided at the last meeting, AB presents a new version of the document Data rights and data distribution policy, taking into account the decisions taken at SC11th.

AB will send it to all SC members by mail on the 24th, for final remarks before May 28th.

AB will issue the new version on June 1st.

AT SC11th it was asked to have a detailed discussion on the organisation of the internal referring. Due to lack of time this was not done. It will be put on the agenda of the next meeting.

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4. CWs organisation

4.1. CW6: debrief

More than 110 participants; 10% more than in Berlin.

Format of the sessions is OK, with focussed programme of WG sessions and invited talks, and posters for non-solicited contributions.

Content is OK.

Still difficulties with overlapping.

Posters were too far from the location of the main activities.

4.2. CW7 organisation

R. Garrido confirms that it will be held in Granada, on week 51 (dec 13 to 17), in the Congress Centre, close to the Institute.

It is decided to have a 4 days meeting, with no parallel sessions.

An open half a day without pre-programmed sessions to allow for restricted meetings and informal discussions will still be included.

M. Auvergne announces that the “instrument session” will be more important than at Orsay because most of the calibrations of the instrument will be over and he proposes to focus it on the performances.

It is also required that the poster room be very close to the place where will be the coffee breaks, so that every body can easily look at the posters.

5. SC Members and Co-Is

It has been recalled that concerning partners, it remains under the responsibility of the coordinator (member of SC) to nominate the Co-Is of their country. But the SC stresses once more that it is important to be careful about the involvement of the Co-Is in the Corot preparation.

Each contributing country or lab has at maximum 5 Co-Is. So Germany and Austria have still the possibility to nominate one more Co-I.

Fabio Favata is welcomed as the new representative of RSSD.

Thierry Appourchaux who works at IAS now, becomes a French Co-I.


The updated list of Co-Is is given in Annex A.

The case of Italy has been discussed in more details, as this country is in a particular situation. It was a former partner, but the hardware contribution has been cancelled. Under E. Poretti, Italians scientists are very active, and as recalled by C.C. and M.D., play a clue role in the preparation of the observing programme.

Presently their only return is that Ennio Poretti is Co-I.

Discussions stress that one should keep the rules of participation as they are. If the Italians have the means to continue and eventually to increase their participation, their place can be reconsidered.

6. Cooperation with MOST

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Jaymie Matthews and Rainer Kushnig have participated to CW6 and presented some results in advance of publication.

As the MOST and COROT Team leaders have recognised that both missions can benefit, scientifically and technically, from early confidential exchanges of specific information and expertise, A.B. proposes to sign a specific agreement., and presents a draft. J. Matthews has been invited to answer questions on that subject.

W. Weiss, who is also a member of the MOST team is very favorable to it.

After discussions, it is decided that the present draft will be circulated among the SC members by A.B. Comments have to be send back to her by May 28th. She will prepare a final proposal from the COROT Team, send it to J.M. who will present it to the MOST Team.

7. Complementary observations

M.D. says that the exoplanet group of ground based observations has changed its name to “exoplanet complementary observations, ECO”, as there are some space observatories which can provide additional data on the CoRoT targets.

The space complementary observations activities are lead by J. Surdej

F. Favata expresses his wish to lead an XMM proposal. The SC asks him to discuss it with M.D. and J. Surdej.

C.C. recalls what has been said during the meeting. Manpower exists for the complementary observations needed in photometry and spectroscopy as planned. The modification of strategy concerning the effective temperature and absolute magnitude determinations is blessed by the SC.

8. Astrophysical data bases

-GAUDI, under the responsibility of LAEFF has established precise rules of access

All data from the programme are included in GAUDI, plus fundamental parameters.

There is a proprietary period of one year, where the access needs password, given by Enrique Solano, restricted to scientists who have participated to data acquisition and data reduction.

95% of the data are now public.

Publication policy is the following: one general paper signed by the whole group, specific papers at the initiative of Co-Is.

- EXODAT has a quite different status. It is lead by M.D. at LAM. It is under development, and presently accessible on request.

It will include most of the complementary observations (not needed for COROTSKY). The content is being fixed now. The access policy is not yet defined.


The SC asks Magali to present this policy at the next SC.

9. PR activities

Thien Lam-Trong presents what is foreseen in CNES.

A poster is underway.

CNES is prepared to take the advantage of the organisation of CW8 in Toulouse to have a large programme of outreach actions.

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R. Garrido asks whether there is some coordination organised for the Venus transit. The answer is no, but many activities are going on locally.

H. Rauer asks for a document presenting CoRoT to the public. A.B. answers that the 6 pages leaflet is available on the web page.

As said already several times, outreach activity is very important, but presently we do not have the means to develop them.


It is recalled that the SC non-French members should nominate one contact person for these activities, and send their names to TLT and AB.

It is also asked that they send very rapidly the logo of their institution to TLT and AB.

Actions


	<i>Most/Corot cooperation</i>		
SC12-1	Circulation of the draft of the proposal	AB	May 24 th
SC12-2	Comments on the proposal	SCM	May 28 th
SC12-3	Send the revised version to JM	AB	June 1st
	<i>Data rights document</i>		
SC12-4	Circulation of the revised version	AB	May 24 th
SC12-5	Comments	SCM	May 28 th
SC12-6	Edition of the revised version	AB	June 1st
	<i>AP for APs</i>		
SC12-7	Draft for the AO	WW and AB	SC13
	<i>List of N3 products</i>		
SC12-8	Circulation of a draft	AB	May 24 th
SC12-9	Comments	SCM	May 28 th
	Preliminary list	AB	June 1st
	<i>EXODAT</i>		
SC12-10	Presentation of the EXODAT policy	MD	SC13
	<i>PR activities</i>		
SC12-11	Designation of an outreach person	Non French SCM	ASAP
SC12-12	Send official logo	Non French SCM	June 1s

SCM is for Scientific Committee members

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Annex A: List of Co-Is as presented at this meeting

<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	Dynamics of the Hot Giants	E/EGBO
HATZES	Artie	Germany	Thueringer	GBO exo and sismo	E/S
PAETZOLD	Martin	Germany	Koln	Exo atmospheres	E
WUCHTERL	Guenther	Germany	MPI	Planet formation, mass distribution	E
FAVATA	Fabio	ESTEC	RSSD	Activity	S/E
FOING	Bernard	ESTEC	RSSD	Link to space missions, activity	A
FRIEDLUND	Malcom	ESTEC	RSSD		?
GONDOIN	Philippe	ESTEC	RSSD		?
NOELS	Arlette	Belgium	Liège	Stellar evolution	S
AERTS	Conny	Belgium	Leuven	Beta Ceph, SPB	S
SCUFLAIRE	Richard	Belgium	Liege	Non adiab analysis	S
MAGAIN	Pierre	Belgium	Liege	Spectroscopy analysis	SGBO
JORISSEN	Alain	TBC			
GARRIDO	Rafael	Spain	IAA	GBO photometry	S
RIBAS	Ignacio	Spain	Barcelona	Eclipsing binaries	AP
DEEG	Hans	Spain	IAA	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	Gerard	Austria	Vienna	gam Dor	AP/S
LEBZELTER	Thomas	Austria	Vienna	AGBs	AP
LAMMER	Helmut	Austria	Graz	exoplanet atmospheres	
ROXBURGH	Ian	UK	QMW London	Excitation and amplitudes	S
COLLIER-CAMERON	Andrew	UK	St Andrews	Activity modeling	AP
QUELOZ	Didier	Switzerland	Geneve	GB follow-up	E
KJEDSEN	Hans	Danemark	Aarhus	TBC	SGBO
MONTEIRO	Mario	Portugal	Porto	Stellar modeling (TBC)	S
PORETTI	Enio	Italy	Merate	Spectroscopy/delta scuti	SGBO
JANOT-PACHECO	Eduardo	Brazil	Sao-Paulo	Seismology of hot stars	S/SGBO
Gregorio-Hetem	Jane	Brazil	Sao Paulo	pre main sequence	AP
de la Reza	Ramiro	Brazil	ON Rio de J.	protoplanets	AP/E
Cuisinier	françois	Brazil	OV Rio de J.	giants	AP
Renan de Medeiros	José	Brazil	Natal	solar like, rotation	S, AP

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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 system planets	E/S
SAMADI	Reza	France	LESIA	Amplitudes	S
TIPHENE	Didier	France	LESIA	Instrument	Instr
BARBAN	Caroline	France/NOAO	LESIA	Synthetic light curves, colors	S
SCHNEIDER	Jean	France	LUTH	Exoplanet science and ambiguities	E/EGBO
ALECIAN	Georges	France	LUTH/GEPI	Chemically peculiar stars	S
HUBERT	Anne-Marie	France	GEPI	Be stars	AP/S
LEBRETON	Yveline	France	GEPI	Stellar models	S
LEGER	Alain	France	IAS	Earth like planets	E
BOUMIER	Patrick	France	IAS	Instrument	Inst
BAUDIN	Frederic	France	IAS	Time frequency analysis	S
OLLIVIER	Marc	France	IAS	Instrument	E/Instr
APPOURCHAUX	Thierry	France	IAS	Data analysis	S
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	LAM	Radial velocities	EGBO
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	SGBO
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
TURCK-CHIEZE	Sylvaine	France	Sap/CEA		S
GARCIA	Rafael	France	Sap/CEA	Data reduction	S
AUVERGNE	Michel	France	LESIA	IS	Inst
BAGLIN	Annie	France	LESIA	PI	