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Minutes of the 7th Scientific Committee


held in Vienna, September 21st 2001 at 2 p.m.

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


HISTORIQUE DES MODIFICATIONS DU DOCUMENT

Ed.	Rév.	Date	Modifications/	Visa
1				

DOCUMENTS DE REFERENCES


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Index	Reference	Titre du document
DR1:	COROT.DESPA.01.014	Scientific policy and Data rights

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DIFFUSION:

G. ALECIAN	Meiden	X
E. ANTONELLO	Merate	X
T. APPOURCHAUX	SSD/Esrec	X
M. AUVERGNE	Meudon	X
A. BAGLIN	Meudon	X
P. BARGE	LAM	X
L. BOISNARD	CNES	X
P. BODIN	CNES	X
F. BONNEAU	CNES	X
C. CATALA	OMP	X
F. FAVATA	ESA/Estec	X
R. GARRIDO	IAA/Spain	X
T. GUILLOT	OCA	X
C. IMAD	MEUDON	X
H. LE CANN	LAM	X
A. LEGER	IAS	X
E. MICHEL	MEUDON	X
A. NOELS	IA Liège	X
J.M. PERRIN	OHP	X
H. RAUER	DLR Berlin	X
D.ROUAN	MEUDON	X
J. SCHNEIDER	Meudon	X
A.VUILLEMIN	LAM	X
W. WEISS	IA Vienna	X
M. JOUBERT	CNES	X
A. GIMENEZ	RSSD/ESA	
B. FOING	RSSD/estec	

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Participants:

All members except Schneider, Rouan, Vuillemin, Perrin and the CNES/DP representative. T. Appourchaux is represented by B. Foing and F. Favata by A. Gimenez.

1- Definition of the CS membership

In answer to a question by E. Antonello, A. Baglin recalls the composition as given in the "Scientific Policy and Data Rights" document (COROT.DESPA.01.014, available at <http://www.astrsp-mrs.fr/projets/corot/scorganisation.html>), and the list of names and addresses available at <http://www.astrsp-mrs.fr/projets/corot/scomite.html>.

Some modifications may occur at the next meeting due to the evolution of the structures of the laboratories at Paris Observatory and the evolution of the involvement of some French laboratories.

2- Organisation of the next Corot week CW2

2.1 Location

A. Baglin says that the previous plans have to be slightly modified, as CNES is asking us to have more frequent meetings in France, to be coherent with the majoritary involvement of France in the project.

It is agreed that the next one will be in Paris Observatory in spring 2002, followed by Liège in autumn 2002 and then Marseille in Spring 2003.

2.2. Format

It is generally agreed that the next meetings have to be devoted to the Preparation of Corot and that general presentations, as usually given in the context of an international scientific colloquium should be avoided. This implies a strict control of the content of the presentations by the organisers of the sessions.

Co-ordinators of WGs express the need to have working sessions more than general ones.


It is proposed that at least for the next meeting we have parallel sessions of the working groups followed by progress reports of the WGs to the general assembly.

Posters presenting specific topics can complement the meeting if needed.

The proposal by M.Auvergne to continue the presentations of the instrument on more precise topics is agreed and encouraged.

A tentative format for CW2 is then

- * First day morning (preferably Monday) registration
- * First day afternoon: Instrument, probably centred on the model, and some report progress of these activities
- * Second day and half of the third one: Parallel sessions of the WGs

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- * Third day afternoon: Report progress of the working groups
- * Fourth day morning: 8th Scientific Committee

3- Organisation of the tasks of the working groups

Several urgent actions have been identified during this meeting and the Scientific Committee asks the WGs to be prepared to answer the following questions at the next CW.

- * The "hare and hounds" exercises in both WG, seismo and exo.
- The SC asks the WGs to present the organisation, objectives, methodology priorities and planning, as well as the first results, their interpretation and the consequences on the preparation of the observations, and on the selection of the targets.
- *.List of potential targets and their characteristics for the Additional Programmes
- *. Detailed planning for the selection of the secondary targets in seismo
- *. Space co-ordination: organisation and planning

4- Choice of the position of the focal plane on the sky for the long runs

A method and planning has been proposed during the meeting as described below, and agreed by the SC

i) Local analysis of each programme separately

Evaluation by both groups (EWG and SWG) of the quality of different possible positions and proposition of priorities for each principal target candidate.

* For the EWG the principal criteria are

- Density of dwarfs
- Minimisation of the bright stars
- Homogeneity of the field


* For the SWG, it is proposed proceed in two steps

1. Determine the quality of the position using only the brighter secondary targets ($m \leq 8$) which will all be observed in Stromgren photometry. The characterisation (determination of T_{eff} , $\log g$ and metallicity) will be done using the data from the Granada observations and the TEMPLOGG tool in Vienna, under the global responsibility of the GBWG.

2. Complete the number of targets (up to 5 per CCD) by fainter stars, taken in list of specific objects or/and ordinary stars in the field ($m \leq 9$)

A tool to evaluate the quality of the content of the Corot field for both programmes is under development in the group "Preparation of the observations" at Observatoire de Midi-Pyrénées and CNES, and a preliminary version will be accessible by the end of this year.

- ii) Comparison of the local priorities of the WG; choice of combined priorities
- iii) Global evaluation of the quality

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iv) Proposition of scenarios to the SC with priorities, and decision.
The proposed planning is to have a first presentation of local priorities at SC8 in Paris and confirmation at SC9 and a presentation of possible global scenarios at SC10.

Related to this topic, and the difficulty to find a sufficient number of principal target candidates in the centre direction, L. Boisnard has proposed to study the possibility of a drifting orbit (see Boisnard presentation).

The SC had no time to discuss this possibility but it will be on the agenda of the 8th one, and WGs are asked to be prepared to this discussion.

In particular, it is asked to the SWG to propose a complement to the list of potential targets in the centre.

5- Clarification of the status of an Additional Programme

As said in the Data Rights and Data distribution policy document (COROT.DESPA.01.014) which is part of the agreements signed by the different partners:

" For the additional programmes, individuals or groups will bid against an AO and if successful become Guest Investigators (GIs) and will have exclusive data rights for the science of their additional programme - the CSC having rights for other uses of these data.

The selection for Additional programmes will be made by the CSC who will take into account the quality of science and the level of contribution by participating countries and ESA."

However, the SC has to prepare the AO and help optimising the scientific return, this is the task of the APWG.


6- List of Co-Is and validation of their tasks.

The propositions of the partners are in different degrees of definition...and not complete.

So it was not yet possible to validate (or not) the list with the proposed tasks.

A preliminary list of all the proposed names is added to these minutes.

It will be complemented and discussed for approval at the next SC.

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**Preliminary list of Co-Is
as proposed by countries and working groups at this meeting**

<i>Name</i>	<i>first name</i>	<i>Country/lab</i>	<i>Institution</i>	<i>WG</i>
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ITALY

ANTONELLO	Elio	Italy	Brera	S
D'ANTONA	Franca	Italy	Brera	S
PAGANO	Isabelle	Italy	Catania	AP
PORETTI	Enio	Italy	Brera	GB

GERMANY

RAUER	Heike	Germany	DLR Berlin	E
HATZES	Artie	Germany	Thueringer	E/S
PAETZOLD	Martin	Germany	Cologne	E
WUCHTERL	Guenther	Germany	MPI	E

RSSD

APPOURCHAUX	Thierry	SSD/ESTEC	SSD	S
FOING	Bernard	SSD/ESTEC	SSD	A
Friedlung	Malcom			?
Gondoin	Philippe			?

BELGIUM

NOELS	Arlette	Belgium	Liège	S
AERTS	Conny	Belgium	Leuven	S
SCUFLAIRE	Richard		Liege	
MAGAIN	Pierre		Liege	

SPAIN

GARRIDO	Rafael	Spain	Granada	S
GIMENES	Alvaro	LAEFF		AP
DEEG	Hans	IAA		E
ROCCA-CORTES	Theo	IAC		S


AUSTRIA

WEISS	Werner	Austria	Vienna	S
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ESA

FRANCE

MICHEL	Eric	DESPA		S
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GOUPIL	Marie-Jo	DESPA	S
ROUAN	Daniel	DESPA	E
MOSSER	Benoit	DESPA	E/S
CATALA	Claude	DESPA	GB
SAMADI	Reza	DESPA	S
BARBAN	Caroline	DESPA	S
TIPHENE	Didier	DESPA	Instr
SCHNEIDER	Jean	LUTH	E
ALECIAN	Georges	LUTH	S
HUBERT	Anne-Marie	GEPI	AP
LEBRETON?	Yveline	GEPI	S?
BOUMIER	Patrick	IAS	Inst
BAUDIN	Frederic	IAS	S
LEGER	Alain	IAS	E
OLLIVIER	Marc	IAS	E
BARGE	Pierre	LAM	E
DELEUIL	Magali	LAM	E
JORDA	Laurent	LAM	E
MOUTOU	Claire	LAM	E
TOUBLANC	Dominique	OMP	E
VAUCLAIR	Gerard	OMP	S
VAUCLAIR	Sylvie	OMP	S
RIEUTORD	Michel	OMP	S
CHARPINET	Stephane	OMP	GB
BERTHOMIEU	gabrielle	OCA	S
GUILLOT	Tristan	OCA	E
TOUTAIN	Thierry	OCA	S
TURCK-CHIEZE	Sylvaine	Sap/CEA	S