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Minutes of the 10th Scientific Committee

held in Marseilles, June 3 and 6 2003.


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

HISTORIQUE DES MODIFICATIONS DU DOCUMENT

Ed.	Rév.	Date	Modifications	Visa
1				


DOCUMENTS DE REFERENCES

Index	Reference	Titre du document
DR1:	COROT.DESPA.01.014	Scientific policy and Data rights
DR2	COROT.DESPA.01.24	Minutes of the 8 th Scientific Committee
DR3	COROT.LESIA.02.65	Minutes of the 9 th Scientific Committee

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DIFFUSION:

G. ALECIAN	OPM	X
T. APPOURCHAUX	RSSD/Estec	X
M. AUVERGNE	OPM/LESIA	X
A. BAGLIN	OPM/LESIA	X
P. BARGE	LAM	X
L. BOISNARD	CNES	X
P. BODIN	CNES	X
T. LAM-TRONG	CNES	X
C. CATALA	OPM/LESIA	X
M. DELEUIL	LAM	X
R. GARRIDO	IAA/Spain	X
T. GUILLOT	OCA	X
C. IMAD	OPM/LESIA	X
E. JANOT-PACHECO	Sao Paulo University	X
L. JORDA	LAM	X
M. JOUBERT	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

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Participants:

All members except D. Rouan, M. Joubert and W. Weiss

1- Presentation of the proposition for the Corot Data Center

- general architecture and responsibilities A. Baglin (Annexe A)
- the content of the sismopipe E. Michel
- the content of the exopipe L. Jorda

The discussion emphasises on

- the need to access all the levels of data (N0 to N2) with all the information on the processing
- maintenance of the Science Archive at least 5 years after the end of the mission

The structure and the responsibilities of workpackages as presented by A.B. are accepted by the SC.

Discussion on planning

The planning as presented by A.B. and compatible with a launch in early 2006, implies that observation proposals from the scientists have to be submitted to the Instrument team within one year.

So it is decided to have a large discussion on this preparation at the next CW.

It is also stated that COROSKY has to be operational during this summer.

The Scientific Committee stresses the immediate need (July 2003) for a guaranteed access to Corotsky, in a reasonable version, with updated Entry Data Bases containing all the necessary targets and their parameters, even preliminary.

2- Data rights / access to the mission archive, Publication policy

Discussion has been organised using the document distributed by AB as a starting point.

Different points of view have been presented and as it has been impossible to reach a common position during the meeting, SC members are requested to exchange their view through the mail, as soon as possible, to try to reach a consensus to be approved by the next SC.

3- Proposition of JPL to contribute to COROT


As presented by A.B. and distributed to all members, C. Beichman has proposed to contribute to COROT. The idea is to access Corot results of the exoplanet field early enough to take decisions on the TPF/DARWIN concept. (Eddington and Kepler will be too late).

The proposed contribution concerns the ground segment (DSN network, data processing at IPAC, Archive).

Here also the discussion has been quite long and continues on the Web till mid June.

The SC point of view will be presented at the Steering Committee, which will meet on June 27th

The answer has to be given by CNES, and it is suggested that the Steering Committee concludes on that proposal, and that CNES answers JPL.

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4- Relation to Kepler and Eddington

* Concerning Kepler, J. Schneider proposes to collaborate in sending the preliminary detections to the Kepler team, and that Borucki promised to follow them for a couple of months.
Is it necessary to have a formal agreement? The question is not very urgent, but needs to be more documented.

* The need for a formal link and a specific support from Corot to Eddington is discussed. It is concluded that, at the present stage, members of the Corot Science team are sufficiently active and numerous in the different groups working on Eddington and that there is no need to be more formal.

5- AO for Additional programmes

As discussed during the APWG session, it is time now to issue the AP for Additional programmes. The AO will be issued by the SC at the end of June, to have an answer in November. The next SC will review the answers, propose eventual merging if scientifically justified, and define the list of GI, outside the Corot community who will be chosen. W. W; and A.B. will circulate a draft.

The AO will be open to all members of contributing countries. The status of the Co-Is who are interested by AP and who are already working on the preparation in the framework of the APWG is discussed. Should they be treated differently?

A web page will be set to explain how to make a proposal, including all the technical information needed. (WW + AB)
It is asked to have a format as simple and short as possible


6- PR activities

The Spanish colleagues propose to host the Outreach Web site in LAEFF, under the responsibility of Enrique Solano.
They will send an application to the Spanish authorities to fund these activities
The proposal will be drafted by E.S. and submitted to the SC for agreement and eventually enrichment.
There will be an official statement of the SC supporting this proposal, if needed.
The specifications of the Outreach site are under the responsibility of SC.
It is suggested to ask for an expert at ESA. B. Foing will document his point.

7- Debrief of CW4

No major comment
“This session is considered by many to be the best of the Corot weeks”

7- Preparation of CW5

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As already planned it will be held in Berlin.
The nominal date is second week of December, including a Saturday.

The agenda should be

- * 1st day Plenary session
 - instrument, data processing (on board and from the ground)
 - preparation of proposals of observations,
 - eventually a training session for Corotsky
- * 1 and a half days of splitted sessions
- * 1/2 day plenary for reports

- * 1 day SC 11 (examination of APAO answers)

Scientific workshops may be held just before or after, taking advantage of the presence of scientists, as was done in Marseilles, but it remains under the responsibility of the organisers, not included in the “official” programme of the CW.

8- Update of the list of CO-Is

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

R. Garrido proposes to replace A. Gimenez by Ignacio Ribas, of the same team.

As soon as the Brasilain contribution is officialised by the signature of the “agreement”, E. Janot will nominate the brasilian Co-Is.

The updated list is given in Annex B.

9- ESO and ground based complementary observations


This subject has not been discussed extensively, due to lack of time.

J. Schneider porposees the following:

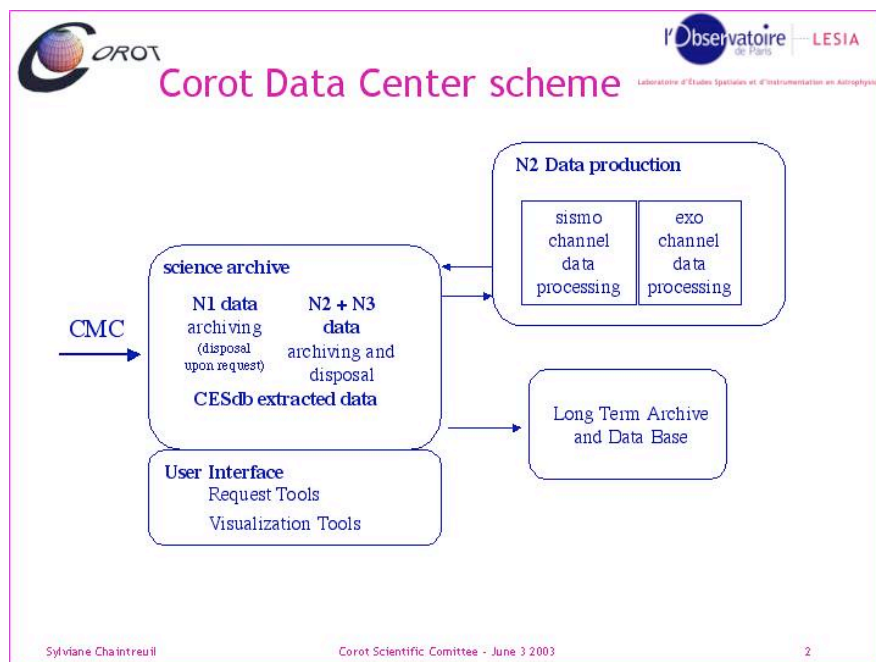
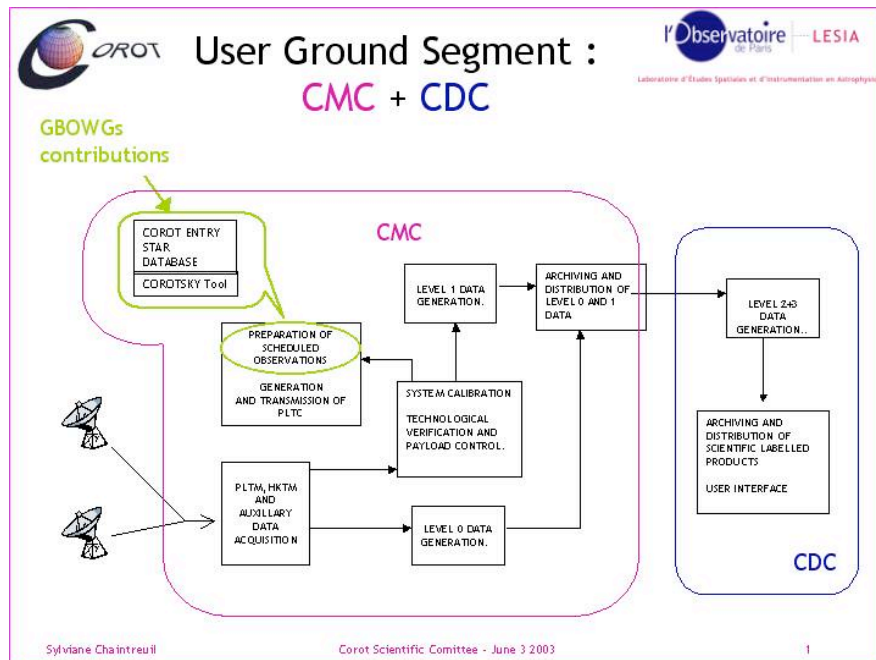
After the selection of the fields ,a call for Ideas could be issued in the Corot community to identify the need of complementary observations, which could also include space.


The SC should then decide to submit to ESO (and eventually ESA) a specific proposal of observations with different telescopes, instruments...

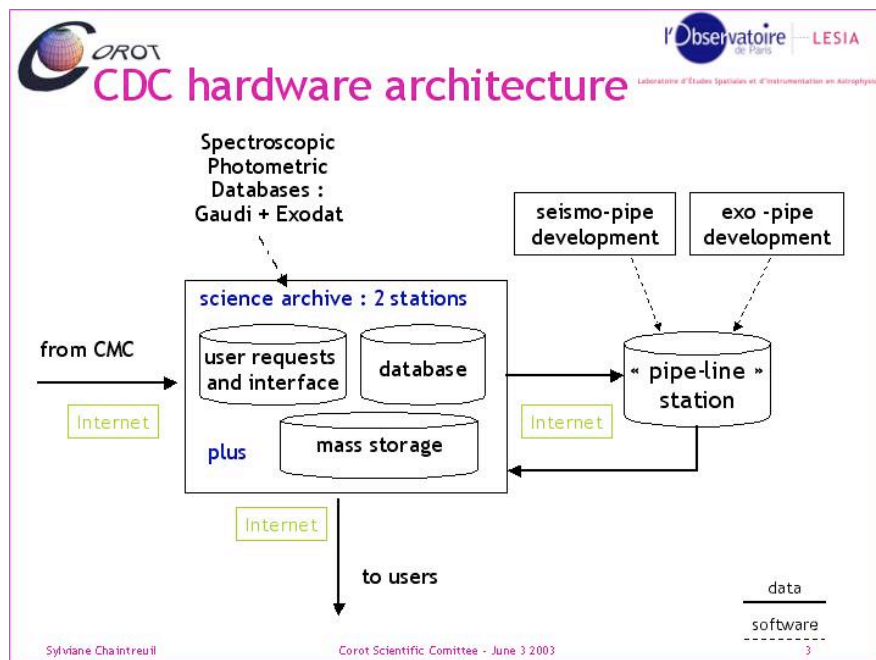
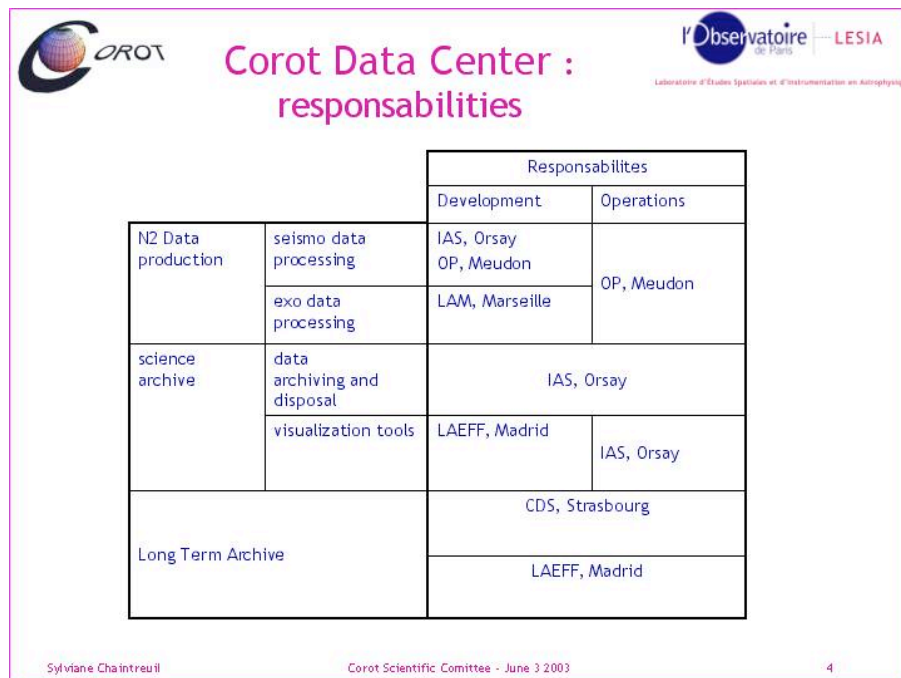
This proposition will be discussed and decision will be taken at the next SC.


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Annex A. The Corot data centre




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Corot data


Laboratoire d'Études Spatiales et d'Instrumentation en Astrophysique


N0	time-stamped raw data	CMC
N1	Data corrected from main instrumental effects	CMC CDC (upon request)
N2	Scientific labelled data	CDC (science then LTA)
N3	first scientific results	CDC (science then LTA)
ground-based data	stellar data	CDC for observed stars

Sylviane Chaintreuil
Corot Scientific Committee - June 3 2003
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Annex B: 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
APPOURCHAUX	Thierry	ESTEC	RSSD	Data analysis, solar type	S
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
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	Spectrosocpy/delta scuti	SGBO
JANOT-PACHECO	Eduardo	Brazil	Sao-Paulo	Seismology of hot stars	S/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

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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
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
SOLANO	Enrique	Spain	LAEFF	GB Data base	SGBO
AUVERGNE	Michel	France	LESIA	IS	Inst
BAGLIN	Annie	France	LESIA	PI	