Solar-B E I S	Consortium Meeting
EUV	EIS Design - post US selection
Imaging Spectrometer	NRL 26-27 Jan 1999
	AGENDA

Meeting Arrangements

Time and Place

From 9am Tuesday January 26, 1999, NRL, Washington DC, Bdg 43 (Management information Center) 2nd floor

Affiliation Attendee (alphabetical order)	email ado	email address			
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Consortium Meeting

Agenda Items

Day 1 - Tuesday 26th January

Introduction

9am. Dr. Timothy Coffey, the NRL Director of Research, will welcome the Solar-B Team.

1. Status

2.

Opening remarks	JLC
Conclusion of the US selection process - what of the NRL proposal is still proposed?	GAD
Kick-off meeting at ISAS, March 99	HH
Science	
Review of major science goals	JLC/GAD/HH
The Four Wavebands: Science & Countrates	KPD/LKHM/All
- referring to : line lists with countrates and EIS studies (UK/J) as detaile	d in "EIS science
notes" http://www.mssl.ucl.ac.uk/solar-b/docs/sci/notes4.html and	
http://www.mssl.ucl.ac.uk/www_solar/solarb/eis_wave.html	
SERTS observations of HeII	JD/
Value of HeII as a transition region line	
(comments about CDS experience would be welcome)	RAH?
Multilayers at 400 A	JFS
What are the prospects for observations in this region?	

3. Instrument (telescope) configuration

The NRL Cassegrain Telescope/Spectrometer			
its properties, advantages, and problems)			
Some questions which may arise include			
What are the mechanisms and their nature? (e.g. disturbing torques)	NRL		
Is there a slit exchange mechanism or a slit/slot?	"		
Are there focus adjustment mechanisms?			
Is there or is there a need for an ortical metering subsystem?	"		
What does the focal surface of the grating look like?	"		
What are the assumed detector properties (pixel size and format)?	"		
(Available EEV CCD formats	MSSL)		
The Baseline (aka TRENDY) instrument	HH?		
Other instrumental drivers			
- Filter (Al) transmission curves	JFS		
- Calculation of Multilayer reflectances. Performance of real-world ML's	JFS/JD		
- Grating configuration (groove reflectivity vs wavelength & order, multipl	e		

Consortium Meeting

AGENDA

4.	Selectio	on o	f EIS S	Science	e and	Instrum	entati	on		
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Discussion, with the aim of reaching a decision on the wavebands and telescope type, or at least develop a plan for reaching such a decision by the March meeting in Japan. All Chair - JLC

Day 2 - Wednesday 27th January, 1999

5. Technical Topics

5.1 Spacecraft resources	
Mass, envelope, power, resonances, telemetry, thermal properties, pointing	HH
5.2 Structure	
vacuum vessel or purged ? Summary of tradeoffs use of clamshell-protected entrance filter materials	SM?
- tolerances	
- outgassing	
5.3. Detectors	
CCD detector performance Progress with breadboard hardware	MW
5.4 Electronics	
System block diagram Operating concepts, data flow, processing cycle Interface philosophy MDP interfaces	MW /HH
5.5. General Topics	
Alignment, Calibration -> Performance Verification Plan	All

Methods of achieving instrument performance - including modelling, subsystem testing and calibration activities

Cleanliness -> Contamination Control Plan - seek LASCO & CDS experience MW/CK? Subsystem requirements that flow from contamination control methods

6. Technology Management

6.1. Management Plans

Technical coordination in/across institutes	MW/All
Common management plan?	
Common development teams (SDT / IPDT) ?	
Communications:	
- Points of contact,	
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- exchange of documents etc.

AGENDA

6.2. Technical Coordination

Need to discuss/agree on the following: information to be determined during Phase A about each system interface and approximate times (i.e. agree on the format of the interface documents, including the **spacecraft interface control document**). System block diagram and interface list, including spacecraft interfaces

6.3. Events in the Near-future

Kick-off meeting in Japan. Phase A : Scope and duration Timing, scope and attendance of Future reviews -Requirements Review, Preliminary Design Review

7. Resolution of outstanding issues

- 7.1 Assignment of hardware responsibilities
- 7.2. Review of actions etc
- 7.3. Discussion of schedule

8. Conclusion

- 8.1. Any other business
- 8.2. Date of next meeting