Day 1

Monday 14th June, in the West Seminar Room, School of Physics and Astronomy (located in Physics West), Birmingham University, UK *Begin at 9:00*

1. Introduction ***JLC*** ***10***

Welcoming remarks

General Objectives of this meeting

Including:

1. spacecraft accomodation
2. strategy for scheduling
3. review instrument progress not covered in May meeting
4. further refine EIS internal interfaces

2. Summary of recent (6 months) progress ***MWT*** ***15***

US partner selection
Consortium Meeting at NRL, January 99
Mission Kick-off meeting at ISAS, March 99
Choice of EIS configuration and wavelength bands
Opto-mechanical design evolution
Engineering meeting at NRL, May 99

3. A system view of EIS ***MWT/HH*** ***45***

The core technical requirements
EIS subsystems (components)
EIS interfaces
Management of interface information
Status of the subsystems
EIS Development Schedule (in brief)
Mass Budget
Power Budget
Envelope
Data flow – sensors to ground

The Solar-B Spacecraft and its environment	HH	}
EIS interface information report (to MELCO)	HH	} 20
Spacecraft Development schedule	HH	}

Tea/Coffee *10:30-11:00*

4. Detailed Objectives 1 - overview ***MWT*** ***10***

To prepare for the next six months work :

Review / agree on the optical design evolution so far
Establish two-CCD capability
Determine critical technical data required for design
- Optical layout and light paths
- Baffle location
- Mechanism Mech/Elec Interfaces
- CCD running temperature requirement
- Tolerance Budget analysis
- MDP interface details

Science drivers in design
GSE & logistics requirements

5. Discussion ***20***

6. Camera Design Status	***CJM/WTO/AJM***	***60***
Radiation issues		
CCD temperature		
2-ccd capability		
CCD performance requirements		
breadboard test programme		
camera mechanical design		
integration with spectrometer		
thermal interfaces		
contamination issues		
FPA electronics design parameters		
DISCUSSION		15
7. Electronics Design Status	***AJM***	***50***
Details to follow		30
DISCUSSION		20
	Lunch	*12:40-14:00*
8. Optical /Mechanism Design Status		***80***
Brief Introduction by	GAD	
Evolution of EIS optical design	CMB (RT/JD)	20
Multilayer Mirror and grating efficiency	JS	10
Conceptual design of the slit/slot, grating, and primary mirror subassemblies	BM	10
Integration with the structure	CMB	20
DISCUSSION		20
9. Structural Design Status	***SM***	***80***
Input from optical design		
Light-level requirements		
Materials choice and testing		
Design concepts		
	Tea/Coffee	*at an appropriate time*
Tolerances		
Dynamical analysis		
Thermal analysis		
DISCUSSION		20
10. Actions Arising from Day 1		***25***
	End	*17:15*
11. Executive Meeting		***30***
(possible)		
	Evening: Party[1]	*19:30*

[1] *The party to be held at George Simnett's home on Monday evening, 14th June, to which all are invited, will commence at 7.30 pm. George's address is:- 5, Denehurst Close, Barnt Green, Worcestershire, B45 8HR*

Day 2

Start at	*9:30*	

12. Science I ***45?***

The main idea of this part of the meeting is to make clear what is known, what needs to be known, and what is required from the system side to make a specific observation.

Summary of Science Observations Required : Louise H
Alignment Issues : Dave P
Flare Trigger : George D
Joint Observations with SOT/XRT : Tetsuya W
Choice of slits : Hiro H ?
Compression issues : John M

DISCUSSION: What Technical Requirements are directly driven by the Science

13. Onboard Software Design Status ***RAG*** ***45***

Science Data Flow (data rates/processing rate/Compression)
Packet TM structure
CCD windowing
Observing table concept

DISCUSSION

Tea/Coffee	*~11:00*	

****** SPLINTER GROUPS ******

14. Science II

(e.g. study definition)

15. Interface Detailed Discussion

(mostly mechanical interfaces)

Lunch	*12:30-13:30*	
(or later)		

16. Resumption of Plenary Session

17. Schedule ***MWT*** ***30***

Current EIS schedule
Compatibility with ISAS/NASA master schedule
Design Freeze suggestions

18. Detailed Objectives 2 and Action Summary ***30***

19. Future Meetings ***20***

NASA RR/NAR
J – response
EIS- consortium

20. Public image ***MWT*** ***30***

Publications, Website, Press & other contacts

	Tea/Coffee	*15:50*

21. AOB

22. Finish