EIS design meeting No.1

13 - 14 May 1998

ISAS

Bidding R.

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13 May (Wed) 10:30 - 17:00

z. Status
- 0. Welcome (Ogawara)
- 1. Current Japanese status (Kosugi/Ogawara)
- 2. Current UK status (Culhane)
- 3. s/c configuration (Tsuneta)
- 4. s/c schedule (Tsuneta)

a. EIS design Issues (MSSL)
- 1. Spectrometer Design and Structure
  - Discussion on design options
  - Inclusion of slit jaw, or other camera
  - Materials, vacuum vessel or purged
  - Alignment; Thermal design.
- 2. CCD detector system including cryostat and radiator
- 3. Electronics associated with the spectrometer and its control
  - Need to preliminary definitions of:
  - a) command and telemetry interfaces, b) power distribution
  - c) recommended components (if any)

b. CCDs for XDT and future testings (Sakao)

(XDT: X-ray Doppler Telescope)

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14 May (Thr) 10:30 - 17:00

c. Progress of spacecraft design
- 1. MDP: Scientific data processing and operations (Shimizu)
  - data compression, packet telemetry...
  - control of observation sequence...
  - (ground based science coordination)
  - (cont. obs. during the eclipse)
- 2. Spacecraft/instrument interfaces (command and telemetry)
- 3. Attitude control requirements (Sakao)
- 4. Power system (Tsuneta)
- (5. CCD cooling and bakeup)

(MDP: Mission Data Processor)

b'.Possible NASA proposals: optical system (e.g., spectrometer design concepts and components) (Hara/UK....)
- 1. Cassegrain system?
  - sensitivity, spatial resolution, torelance, coalignment
  - instrument length...
- 2. SVLS grating tolerance
- 3. Wavelength options

170-200A?, vuv option?, slit-jaw image?

d. NASA AO process
1. Preproposal briefing
2. Expected US proposals
3. Next EIS meeting consistent with AO process

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15 May (Fri)

spare, visiting ....

cf. AIs of the previous meeting
1. EIS spectrometer design options pros vs. cons before pre-BO by
mssl/ub/nrl), sensitivity, spectral resolutions, structure
tolerances, coalignment
2 wavelengths all by Apr/98 (first)
3. eev ccd qualification testing by mssl asap
naoj=Jun/98 kek/uvsor experiments < mssl
4. ccd temperature requirements by mssl asap
5. data handling by J before pbo
observational sequences...
6. contamination by thrustering <-- SoHO info by mssl
-> prelaunch bakeout before pbo
[7. launch lock info by J -> ub]
[8. vibration spec by J before end Mar.]
9. possible US-PI affiliation problem by isas

[closed]