

Solar-B EIS

**MULLARD SPACE SCIENCE LABORATORY
UNIVERSITY COLLEGE LONDON**

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SOLAR B - EIS OPEN ACTION ITEMS No. 21

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Distribution

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EIS Science
EIS Soft
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ACTIONS in green have yet to reach their closure date, therefore by default all other actions are late so could I please have an estimated completion date or completion date if it has already happened.

After the ACTIONS table are details of the resolution of each CLOSED Action and any additional details of Action Items that could not fit in the table.

Could I ask that all actions are closed by providing a technical note, memo, document or drawing, and that this or a reference to this is distributed appropriately with a copy to the Project Manager. We need to do this so that the closing of the action and the method by which it was closed is properly documented.

Only open and Actions closed since last update are shown

No.	ACTION	By Whom	By When
634	Confirm the different levels of cleanliness and discuss these with Barry	Chris C.	7 Mar 02
642	Modify wooden transport crate to allow purge during transportation	RAL	1 Feb 2003
644	Produce lifting wheels for each end of structure	BU	1 Feb 2003
646	Identify jack and load spreader to lift EIS off ITP after vib. tests	RAL	1 Feb 2003
647	Design trolley for both transport container and blue chamber	RAL/BU	1 Oct 2002
648	Produce support batons for structure	RAL	1 Oct 2002
649	Provide 3 sturdy adjustable support jacks	RAL	1 Oct 2002
650	Plan transportation of flight instrument	BU	1 May 2003
651	Design A frames for EIS support table	BU	1 May 2003
652	Prepare RAL cleanroom facilities for EIS	RAL	1 Dec 2002
654	Plan for harness testing prior to integration	MSSL	Closed
655	Produce a draft plan for the optics tests on FM	NRL	Closed
656	Specify flight heatshrink and confirm cleanliness with Barry	Graham W	Closed
659	Produce report describing witness plate results so far	NRL	Closed
660	Update cleanliness procedures to include details of QCM and witness plate measurement frequencies and details of the testing	Barry	1 Dec 2002
663	Produce draft documents list for AIV activities	MSSL	1 Jul 2002
665	Co-ordinate tools lists from the different institutes	MSSL	1 Sep 2002
666	Schedule in support for FM activities	Ady	1 Jun 2002
669	Produce vacuum harness for FM testing	Graham W.	1 Sep 2002
673	Confirm baffle thermal design	Helen	1 Nov 2002
675	Provide list of requirements for doghouse light-proofing	NRL	Closed
680	Approve suitable materials for sealing	RAL/NRL	-
684	Define location and mounting points for He 304 baffle	Charlie, Peter	-
688	Investigate saver / saver harness for QCM	RAL	
690	Specify black surface coatings	NRL/MSSL	-
691	Check subsystem ICD is complete (i.e. drawings, thermal finishes)	MSSL	-
699	Test whether gold coating could be used instead of foils	Helen	-
700	Investigate whether details of process and test results exist for the method of light allochroming	Berend	-
701	Investigate previous experience of gold plating	Berend, Jim and Chris	-
703	Investigate MLI change to allow front baffle to be removable	Helen	-
707	Finalise blanket grounding details	BU/Graham	-
708	Define grounding point on connector panel	Jason	-
709	Produce draft copy of optics alignment plan	NRL	Closed
710	Produce draft plan for calibration	Jim	-
713	Thermal details of MTM bake-out to Therese	Barry	16 th may 02

715	NRL to look into option of TV cycle been carried out at NRL	Steve	28 th Jun 02
716	Clarence to look into building up another shutter mechanism	Clarence	28 th Jun 02
718	MSSL to issue technical note on grounding	Ady/Jason	5 th Jul 02
725	NRL to get details of such a spec for the multilayer coatings].	NRL	8 Aug 02
726	re-release the MHC interface document	Jason	15 Aug 02
727	Produce technical note on grounding scheme	Jason	15 Aug 02
730	Vent position and size should okayed by NRL from the ascent vent viewpoint and by Barry from the purge viewpoint	Barry & Clarence	1 Aug 02
731	Barry to define the restrictor size on the vent covers	Barry	1 Aug 02
734	Confirmation of MSSL supplied drawings of QE test mounting	NRL	-
736	Produce draft plan for flight operations re cleanliness and purge	Barry	-
740	Update EIS commanding document	Khalid	12 Oct 2002
747	Draft a overall FPA spec document (showing flying harness)	Chris	29 th Aug 02
756	Discuss grounding of secondaries options with J-side	Jason	12 Sep 2002
757	Confirm s/c plans for RS422 interface cable	Jason	12 Sep 2002
758	Prepare MDP simulator netlists for EDO	Rahil	12 Sep 2002
766	Create a workable schedule based on MHC delivery on 1 Feb 2003	Ady, Steve	3 Oct 02
767	Discuss the thermal environment of the ICU PSU with Berend	Robert	Next meeting
770	Discuss problem of swarf generated by wedgeloks	Ady	Next meeting
780	Resolve issue of handling with shroud in place	Chris C	1 Jan 03
785	Propose change out date for entrance aperture filters	NRL	15 Nov 02
786	Comment on acoustic test requirements for FM subsystems	MSSL/Tony	15 Nov 02
787	Confirm options for final insertion of SEF	NRL	15 Nov 02
789	Include interface verification exercise early in flight integration	Ady	15 Nov 02
791	Design red-tag covers for vent ports and baffle	BU	15 Nov 02
792	Distribute preliminary plans for light proofing lid	BU	15 Nov 02
793	Provide a plan for bagging during FM activities	NRL	15 Nov 02
794	Release FM build schedule	Ady	Closed
797	Jim to discuss the details of the MTM testing at AWE with BU and start on a test plan	Jim	
798	MSSL to define short and full functional tests to be carried out as part of the environmental tests.	Ady, Jason	-
799	Check requirements of MGSE re harnessing	Ady	-
800	Check requirements of MGSE re MLI fitting	Ady	-
801	Check requirements of MGSE re Blue Tank	Jim	-
802	Produce draft plan for calibration to allow scheduling	Jim	-
803	Define logbook requirements for FM parts (esp. panels).	MSSL	-
804	Ask BU to comment on torqing of leg interfaces	Ady	-
805	Comment on what EMC tests defined by the s/c can be done with electronics boxes on a ground sheet at RAL	Giles	-
806	Comment on what EMC tests can be done on a completed EIS	Giles	-
807	Investigate details of witness plate testing and cleaning, these details to be included as part of the cleanliness plan	Barry	-
NEW ACTION ITEMS			
808	Provide dates for Brookhaven tests to Charlie	Chris M	19 Dec 02
809	To provide +x edge metrology data to Charlie	Chris	16 Jan 03
810	Provide clearance details for template to BU	Graham, Helen	Closed
811	Front panel and cover plate to NRL asap	MSSL	ASAP
812	Deliver test camera to NRL	Chris M.	30 Jan 03

Details of recently closed actions:

Those in bold require some further Action to be taken and will not be removed from this list.

654: included in FM build schedule

655 & 709: Details provided by Clarence in October

656: Tony Dibbens has confirmed that Raychem 876 is to be used and that it meets the requirements.

659: All witness plate measurements thus far show no detectable (<6 Angstroms) hydrocarbon contamination.

675: The requirement is that the doghouse be completely sealed except for the openings for the optical rays.

690: The recommendation is for black anodize or bare composite from NRL. They do not recommend the use of chemglaze in an optical cavity. However, Chemglaze has been used successfully in other instruments and meets the cleanliness requirements.

794: FM build schedule released to PPARC and other PMs on 29th Nov 2002.

810: measurements supplied, new standoffs will be 20mm from local surface.