National Aeronautics and Space Administration
Jet Propulsion Laboratory
California Institute of Technology

WISE Science Data Center
Critical Design Review

Introduction

CDR Schedule - Day 1

8:00	0:30	Meet and Greet	
8:30	0:10	Welcome and Introduction	Helou, Irace, Cutri
8:40	0:10	Success Criteria and Scope of Review	Cutri, Green
8:50	0:30	Science and Mission Overview	Eisenhardt
9:20	0:20	Mission Operations	Royer
9:40	0:40	WSDC Overview, Requirements, Implementation	Cutri
10:20	0:15	Break	
10:35	1:30	WISE Science Data System Design and Architecture	Conrow
12:05	1:00	Lunch (Executive Session)	
13:05	0:30	Ingest Subsystem	Conrow
13:35	0:30	Instrumental Frame Calibration (ICAL)	Masci
14:05	0:30	Source Detection (MDET)	Marsh
14:35	0:15	Break	
14:50	0:45	Position Reconstruction (PREX)	McCallon, Fowler
15:35	0:30	Source Photometry (WPHOT)	Jarrett, Marsh
16:20	0:40	Executive Session	Board

CDR Schedule - Day 2

8:00	0:30	Meet and Greet	
8:30	0:30	Frame Coaddition (AWAIC)	Masci
9:00	0:30	Solar System Object Association	Tholen, Fowler
9:30	0:15	Photometric Calibration	Cutri
9:45	0:30	System Testing	Conrow
10:15	0:15	Break	
10:30	0:45	Data Quality Assurance	Kirkpatrick
11:15	0:45	Archive	Berriman, Groom
12:00	1:00	Lunch (Executive Session)	
13:00	0:30	Processing System Hardware, Architecture	Brandenberg
13:30	0:15	IPAC Systems Infrastructure	Burt
13:45	0:30	Operations Plan	Conrow
14:15	0:45	Management, Schedule, Resources	Cutri
15:00	0:15	Break	
15:15	1:00	Executive Session	Board
16:15		Debrief	All

Review Panel

Stuart Anderson (Caltech/LIGO)   *anderson@ligo.caltech.edu*

Sean Carey (IPAC/SSC)   *carey@ipac.caltech.edu*

Suzanne Dodd (IPAC/SSC)   *sdodd@ipac.caltech.edu*

William Green, chair (formerly IPAC/JPL)   *billg55@earthlink.net*

Eugene Kopan (formerly IPAC/Caltech)   *gene@ipac.caltech.edu*

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Barry Weiss (JPL/OCO)   *Barry.H.Weiss@jpl.nasa.gov*

CDR Success Criteria

- The WSDC design complies with the applicable requirements, and represents acceptable mission risk

- The major system interfaces are adequately defined and plans are in place to manage any open items

- The subsystems designs are mature and provide confidence in the integrity of the system design, with the exception of those subsystems whose development has been intentionally delayed until after the CDR

- The design is robust to the nominal circumstances that will be encountered with the WISE data

- The verification and validation plans are complete

- The appropriate controls are in place and give confidence in the ability to effectively manage the system within the available resources

Instructions to Board

Members of the WSDC Review Board are asked to:

- Document major issues or concerns via RFA forms, to be submitted to the chair as they are written
- Prepare a list of their 3 most critical issues or concerns and be prepared to discuss those during the debrief session after the second day
- Provide written input (via email) in the form of "findings/recommendations" to the Board chair no later than one week after completion of the review

The first draft of the Board report will be circulated to Board members for review and comment on a short turn-around schedule, prior to release of the final report. The final report is to be submitted to the IPAC Director and WISE Project Manager by 28 February 2008.

Review Emphasis

- Focus of Review will be on WSDC design, interfaces, management plans and status in response to mission requirements

- Review will not address cost
    - Cost reviewed as part of WISE mission Cost Assessment Review in 2006. Budget for implementation as presented is part of project cost plan.