

Jet Propulsion Laboratory
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August 20, 2009
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TO: Distribution

FROM: David Morris

SUBJECT: Minutes for the Joint Users Resource Allocation Planning Committee Meeting held August 20, 2009 JPL Building 126-Room 200 1PM.

**NEXT JURAP MEETING:
Thursday, Sept. 17, 2009
JPL Bldg 126, Room 200, Time 1PM**

Attendees:

R. Best	S. Finley	A. Kniepkamp	M. Mercado	K. Yetter
S. Chhan	J. Hall	M. Lee	D. Morris	E. Young
L. Efron	C. Hernandez	G. Lemieux	S. Stephens	
L. Fairley	D. Holmes	E. Martinez	C. Ward	

The Joint Users Resource Allocation Planning Committee meets monthly to review the status of Flight Projects, the requirements of other resource users, and to identify future requirements and outstanding conflicts. The previous JURAP meeting was held on March 19, 2009 at the Jet Propulsion Laboratory.

Introductory Remarks – D. Morris

Welcomed the attendees to the JURAP meeting and briefly discussed the agenda for the meeting including the decommissioning of 26M antenna. Also mentioned were upcoming key mission events for Cassini, MSGR, LCROSS, ROSE, DIF as well as Narrabri's new configuration testing for KEPLER at Ka Band

Resource Analysis Team***Mid-Range Status – S. Chhan***

Week 45 has been released to DSN as of 8/17/2009

Week 46 is due to be released on 8/24/2009

Week 47 is due to be released on 8/25/2009

Week 47 - 48 have remaining facility and equipment conflicts

Mid-Range scheduling process has scheduled 14 weeks ahead of real-time, 11 negotiated

On-going special studies/activities***Juno***

- DSN Resources Special study was requested to determine the contention during JUNO Orbital Ops period from 7/5/16 - 10/16/17 (JOI) through Jupiter Impact
- Juno's over all supportability is 83%
 - Jupiter approach and JOI phase forecast id 70% supportability
 - PRM forecast supportability is 80%
 - Needs plenty of support during JOI

DSN Resources and Juno

- Adding one 34M in Canberra will assist in longer view periods for Cassini and New Horizons
- 70M antennas will be more available in the northern hemisphere
- 70M antennas will have major overhauls within the next four years

VP overlap discussion for Juno

- Mars Missions have defined plans in this period
- Mission Set has unknowns
- Destinations for multiple launches have not been selected

Antenna Downtime Status and Forecast:**The following is a summary of downtime for September-December 2009**

- DSS-54 downtime for Ka-Band Phase 2 ends I week 39
- DSS-24 Painting Downtime Status
 - Requested down time week 36 – 43
 - Day shift only weeks 40 – 43
 - DLM will be NIB
- DSS-54 Downtime for ACQ AID Installation is scheduled for week 40 with TERRA Tracks
- DSS-43 Downtime for Jackscrew Replacement with Transmitter Control Assembly NIB

proposed in week 40

- Raw file has been submitted to MRSS
- DSS-15 Pintle Bearing Maintenance scheduled for weeks 45 – 53
- 70M Grouting
 - DSS-14 in week 44
 - DSS-63 in week 46

The following is a summary of downtime for January -March 2010

- DSS-15 Pintle Bearing Maintenance ends in week 01
- DSS-34 AZ Track Replacement scheduled for weeks 03 – 14
 - M1-5 Mirror Alignment NIB
 - Support Ring NIB
 - Raw file will be sent to MRSS in the coming weeks

Missions and Projects are concerned regarding what other Missions may be effected by the DSS-34 downtime such as CLU2 Mission. The Artemis Mission (THEMIS B / C spacecraft will be performing a flip maneuver TH – C in weeks 3 and 4 of 2010 where they will need the long viewperiods afforded by Canberra. They will provide a complete request to scheduling to aid in understanding the impact of DSS-34 closing two weeks early. A revised listings of effected Missions will be presented at the next meeting.

- 70M Grouting
 - DSS-14 week 03
 - DSS-63 proposed in week 05
- DSS-63 Gearbox Strut Installation proposed in week 05, TCA will be NIB
- DSS-14 Life Extension begins in week 10, DLM and Fall Arrest will be NIB

A noted option for the 14-Hour DPS Maintenance downtimes at GDSCC in 2010, is whether this downtime could be performed in a longer (one-time occurrence) versus multiple downtimes in a shorter (multiple occurrences). This will be a topic of discussion at the next DSN Downtime Meeting.

Closing Statements: D. Morris

There were two requests for more information on planned maintenance and antenna downtime. I plan to have a presentation on these topics during one of the next couple of meetings:

- Clarification on “Green Plan” need for an additional day per month per antenna of preventative maintenance that begins in October.
- The DSCC Power Subsystem (DPS) is evolving at each of the complexes. Each will begin to have many complex-wide 12-14 hour downtimes in 2010 and 2011. Clarification of the plan would be useful to all users.

Reminder to everyone that we would have a variation in our forecast format and that it will be

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presented at the next meeting.

- 4 -

August 20, 2009