

ARISS Operations

Committee Report

December 2002

Goddard Space Flight Center

Tim J. Bosma



12/13/2002

Introduction

- Review
 - ◆ Ops Team members
 - ◆ Expedition 5
 - ◆ Operations process.
 - ◆ Coordinator role & responsibilities



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ARISS Statistics

Expedition School Count

<u>Expedition</u>	<u>Schools Completed</u>
1	7
2	14
3	22
4	9 + 4 (Shuttleworth)
5	14 + 2 (DeWinne)

- Current average of 0.5 school/week



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ARISS School Mentors & Bridge Stations

Satoshi Yasuda 7M3TJZ

Charlie Sufana AJ9N

Gene Chapline K5YFL

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ARISS Ops Support

Special Thanks To:

Charlie Sufana AJ9N

- ARISS-OPS web page

Gil Carman WA5NOM

- Predictions Guru



ARISS Ops & Training Support

Steve Vander Ark

Carolynn Conley

Sergej Samburov

Nick Lance



Revised Scheduling Protocols

- No contacts:
 - ◆ For 2-3 weeks after ISS crew changeover.
 - ◆ On EVA days and days adjacent to an EVA.
 - ◆ 2 weeks prior to crew changeover.
 - ◆ While STS is docked.



Process Improvements

- NASA schedulers are now giving us 7 to 10 days notice !
- Access to scheduling data.
- Gaston Bertels has improved the communications process with ESA.
- More improvements in process.



Topics for Discussion

- ARISS Rotation of Schools
- Crew picks
- Taxi Flight School selection
- School Backlog
- Amateur interference to School Contacts



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School Backlog

- 7 schools in active que
- 1 Expedition-6 crew pick
- 7 Expedition-7 crew picks
- 57 Schools in waiting que
- Unknown future crew picks.
- Unplanned special events.
- Current average of 0.51 schools/week.
- Current que without Expedition 8+ crew picks will take us to:

★ **AUGUST 14, 2005 !**



Rate vs time

■ Rate/week	Weeks	End Date
■ 0.5	144	Aug-05
■ 0.6	120	Jan-05
■ 0.7	99	Aug-04
■ 0.8	90	Jun-04
■ 1	72	Mar-04



What's it all about?



- Kursk School Contact.



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Education & Outreach



- Italian School Contact.



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School Contacts

- ARISS has a unique opportunity to combine Amateur Radio with NASA's published Educational goals on the ISS.
- School Contacts give ARISS the high visibility it needs to maintain continued support.



Next Steps

- Discuss Taxi Flight concerns.
- Discuss school backlog
- Continue process improvement



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