



# ALMA Calibration Group

Teleconference 2004-08-12

## Connection Details

- Call date: 2004-08-12 (Thursday)
- Call time: 15:00 UT
- Duration: 1.0 hr
- USA Toll Free Number: 1-877-919-7148
- International: +1-203-566-1039
- Passcode: 5 1 0 4 6 8
- Leader: Jeff Mangum

## Action Items

Assigned	Task	Opened	Due/Completed
Holdaway/Wilson	Produce a first-cut at a "Primary Beam" calibration section.	2004-07-30	2004-08-12
Calibration Subgroup Leads	Coordinate review and revision of their assigned sections by 2004-08-12 telecon. Note that target date for completion of the <u>Calibration Plan</u> is 2004-10-01.	2004-07-30	2004-08-12
Mangum	Works with NRAO Computing to implement an externally-accessible Wiki. If this option will not develop within the next month or so, explore use of the existing ESO Wiki. Richer suggests building Calibration Wiki within an ALMA Science IPT Wiki. <b>DONE: See <a href="https://wikio.nrao.edu/bin/view/Main/JeffMangum">https://wikio.nrao.edu/bin/view/Main/JeffMangum</a>.</b>	2004-07-15	2004-08-12
Mangum	Will seek guidance from ALMA Management on the question of ACA operation. In the meantime, group discussions should consider ACA-related issues within the context of specific calibration categories. <b>DONE: See the "AlmaLinks" link at <a href="https://wikio.nrao.edu/bin/view/Main/JeffMangum">https://wikio.nrao.edu/bin/view/Main/JeffMangum</a>.</b>	2004-07-15	2004-08-12
All	Consider whether "Total Power" calibration can be incorporated within other calibration categories (use the current content of the <u>Calibration Plan</u> as a guide).	2004-07-15	2004-08-12
All	Consider whether "Primary Beam" calibration should be added to the list of calibration categories and <u>Calibration Plan</u> sections.	2004-07-15	2004-08-12
All	Review/update <u>Calibration Plan</u> sections.	2004-07-15	2004-08-12

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Completed Action Items			
Gibson/Welch	Send preprint of Icarus paper on 28.5 GHz absolute calibration to the group.	2004-07-15	2004-07-30

## Agenda

### NOTE:

- Items in **blue** are notes/comments from the most recent telecon,
- Items in **red** are action items, and
- Items in **green** are completed action items.

### 1. Calibration Plan

The Calibration Plan needs to be finished. In order to accomplish this, it will be necessary to have small groups concentrate on specific sections of the plan. The group agreed to the following breakdown. "Volunteers" for review and update of each section, with a suggested "lead volunteer" denoted in bold, are indicated:

- ◆ Amplitude and Flux Calibration (**Welch**, Butler, Carter, Gibson, Holdaway, Mangum, Martin-Pintado, Kawabe, Wilson)
- ◆ Phase Calibration (**Hills**, Holdaway, Mundy, Richer, Stirling, Wootten)
- ◆ Bandpass Calibration (**Guilloteau**, Bacmann)
- ◆ Polarization Calibration (**Myers**, Holdaway, Laing)
- ◆ Pointing Calibration (**Mangum**, Lucas, Holdaway)
- ◆ Antenna Location Calibration (**Conway**, Wright)
- ◆ Antenna and Electronic Delay Calibration (**Lucas**)
- ◆ Optics Calibration (**Butler**, Kawabe, Saito)
- ◆ Total Power Calibration (**Holdaway**, Mangum, Mundy, Kawabe)
- ◆ Primary Beam Calibration (**Holdaway**, Wilson)
- ◆ Archiving and Accessing Calibration Quantities (**Lucas**, Mangum)

### 2. Amplitude Calibration Subsystem Development Reports

- ◆ Berkeley Absolute Flux Calibration System (Welch)
- ◆ Semi-Transparent Vane (STV) Calibration System (Martin-Pintado/Wilson)
- ◆ Multi-Load (ML) Calibration System (Wilson)

### 3. Date of next phone meeting

The next ALMA Calibration Group telecon will be 2004, September 9th 15:00 UT.

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