

AIVC Winter Solstice Meeting
Santiago
19, 20 June 2006

The AIVC meeting was attended by

Tony Beasley, Darrel Emerson, Brian Glendenning, Christoph Haupt, Robert Laing, Robert Lucas, Jeff Mangum, Rick Murowinski, Cesar Ocampo, Debra Shepherd, Dick Sramek, Ryu Ogasawara, Gianni Raffi (day 2), Peter Ramirez, Massimo Tarengi, Baltazar Vila Vilaro, Tom Wilson, Al Wootten, and for some sessions we also had John Webber, Peter Napier, Paola Andreani, Crystal Brogan, John Hibbard, and a variety of the PMCS planning crew.

The baseline agenda for the meeting is included later here.

All presentations can be found at

<http://edm.alma.cl/forums/alma/dispatch.cgi/sysmeet/folderFrame/100106/0/def/aa77>

Decisions and Action Items

PSI and AIV sessions

1. Dick will decompose the ATF work into major P-SI and Commissioning tasks, and will identify the lead coordinator for developing each of the major capabilities. July 06
2. Decision: Darrel is the coordinator of the holography work at ATF. An Optical Pointing coordinator is needed (Debra is candidate? Jeff is candidate?). Total Power also needed... (see above action)
3. Dick/Brian should finalize software commands/capability needed at first interferometry. Aug 06
4. Tony: antenna/computing ICD, need to ensure that the finer details remain coordinated between the three vendors. July 06
5. Dick/P-SI – develop training plan and schedule for the training in the next year or two needed at ATF. Aug 06
6. Dick/P-SI – List the deliverables and objectives of P-SI, with a view to being able to prioritize and announce these for everyone's information. July 06
7. Rick/Peter: follow up on the design detail for 48ms synchronization with TAI. July 06
8. Rick/AIV: give outline of needs for acceptance tests to Darrel, Debra, Jeff. Aug 06
9. P-SI – Progress review meeting should be held, perhaps by telecon, at about Tuesday Aug 22th. Not clear how large the scope should be: although this is a

- good opportunity for a project-wide status review, many IPTs will be very busy at this time. See what the reaction is by the IPTs to having a wider meeting.
10. Project Scientist: Need to develop an overall training plan for AIV / CSV / Operations. Jan 07
 11. Decision: anyone coming to work on commissioning from ARCs would follow the same working model as the rest of commissioning staff.

Late IPT delivery schedule discussion

This mostly focused on the various scenarios of late frontends, but impacted / were impacted by / many other deliveries: nutator for total power, cal device, total power software, ATF interferometry schedule, etc. Option "4" mentioned here was favoured, at least until the problem is studied more and by a wider audience, and a harder decision would be made once FE first tests are complete in late Sept. Option 4 is to send FE#1 to ATF to be incorporated into one antenna and used to test total power operation, then removed and sent to Chile while eval frontend is returned to service at ATF and continues developing interferometry software with eval frontends and production backends. All other production frontends go straight to Chile.

1. Cesar: Generate what-if scenario for option "4"; July 06
2. Gie-Han: determine prototype calibration device delivery schedule. July 06
3. NA AIPT: nominal nutator delivery sched is Q3 of 07, need to get a better schedule once contract is let, expected by mid-July.

Commissioning session

1. Robert, Al, Balt, Rick: develop a CSV/AIV science staffing plan, including starting to discuss with existing exec staff the possibilities of tours of duty at CSV/AIV. Aug 15, 06
2. Robert, Cesar: update the CSV detailed MPP, and place block version of same in the IPS (Aug 06)
3. JAO: start to develop uniform staffing policies for tours of duty for international staff to Chile. 15 Aug, 06
4. JAO: need to check that the science fraction in various budgets (AIV, Commissioning) is being used consistently. July 06
5. CIPT: propose a plan for how scripts will be managed during AIV / Commissioning / Operations. Oct 06
6. Brian repeated twice at the meeting that the logical extension of delaying early science is to delay it right out of the construction phase.

(all the "Robert"s mentioned above are Laing.)

A next meeting will be held about mid-September, possibly attached to ASAC meeting. Probably by telecon/videocon/mymeeting.

AIVC Winter Solstice Meeting

An agenda for AIVC meeting, 19-20 June, Piso 18, El Golf, Santiago

19 June: P-SI and AIV

	Overview and Background	
0900	Welcome and Introduction	Tony
0920	Background: the distinction between AIV and Commissioning	Rick
	Prototype Integration	
0930	Presentation of the big picture of P-SI schedule, and where we are at the moment.	Dick
0945	Status of test and verification plans.	Dick
1000	Status of software I&T: control software, and end2end tests.	Dick, Brian
1015	---coffee---	
1045	Plans for ATF OPT tests.	Debra
1100	Plans for Holography ATF tests (schedule, staffing).	Darrel
1115	Plans for other science modes at ATF.	Al and Debra
1130	How do we organize training/science commissioning at the ATF?	All
	Chilean Assembly, Integration, Verification	
1200	Presentation of the big picture of AIV schedule, and where we are at the moment.	Rick
1230	---Lunch---	
1330	Staffing and Management overview: planned organization, hiring profile, status of hiring.	Rick
1400	Software releases and functionality for AIV.	Brian
1415	How does CIPT support AIV staff and effort?	All
1430	Plans and staffing for Vertex AT.	Rick
1500	Plans for integration of ALMA-J deliverables.	Rick, Cesar
1515	---coffee---	
1530	How do we best feed in experience from PSI -> OSF test -> full commissioning, what are the true timescales for this?	All
	General discussion of the options for deploying the first 3 FEs	
1630	FE #1 and #2 to ATF, 3# to Chile, are now scheduled to arrive later than required. What are the advantages, disadvantages, technical problems, cost, etc. of other alternatives? Dick will present the issue.	All
1730	Adjourn	

20 June: Commissioning

	<p>Planning Objectives</p> <p>For the items below, a primary goal will be to communicate, to make sure that the diverse plans of these groups fit together well.</p>	
0900	Status of the Commissioning and Science Verification Plan for ALMA.	R. Laing
0915	Are ACA components of CSV currently in the commissioning workplan?	Baltasar
0945	Status of Calibration Plan for ALMA.	Jeff
1000	Status of work on developing complete descriptions of the ALMA observing modes (e.g. software, hardware etc.) and their relative priority.	Al and Baltasar
1030	--- coffee, and weekly IPT meeting ---	
	<p>Organization</p>	
1130	<p>How do we organize the staffing of the commissioning team:</p> <ul style="list-style-type: none"> a. Where do scientists come from for commissioning? (SciIPT vs AIV test scientists vs Ops vs ???) b. Size of on-site staff vs off-site staff; rotating staff from home bases in executives. c. Organization and makeup of the team(s) (Senior scientists, Junior scientists, postdoc, specific skills needed) 	R. Laing
1215	How do ARC scientists help with AIV&C (when do they start rotating to Chile, how will they get trained, and how can they help with commissioning from NA/Europe/Japan).	Crystal
1245	---Lunch---	
1345	Integration of CIPT and commissioning: what is planned, how will this work?	Brian
1415	Is the morning discussion correctly reflected in the hiring plan?	Al
1400	Progress towards a more fully worked-out workplan.	All
1430	Is Commissioning work and schedule correctly captured in IPS? (Cesar will show what is currently there)	Cesar, All
1515	--- coffee ---	
	<p>Closing</p>	
1530	Review the AIVC end-to-end work flow to identify unresolved issues (some will be left behind).	
	Schedule for future meetings.	
	Review list of specific actions and schedule for completion	
1730	Adjourn	