

TWiki > DSO/VLBI Web > StatusReviewOctober2015 (26 Oct 2015, BernhardLopez)

Status Review of APP, October 26th, 2015, at 17:00 UTC (14:00 Chile)

- Note that this meeting aims at informing and coordinating activities, but it does not constitute an acceptance milestone.

Logistics

- **Time & Date:** 2015, 26th October 17:00 UT
- **Meeting rooms:**
 - SCO: Tatio
 - OSF: ADS
- Teleconference dial-in numbers:
 - Chile: +56-2-26665555 or +56-2-25994951
 - International Ready-Access Number: 1 3032480281
 - US: 800 504 8071
 - **Access code: 4676169#**

Proposed Participants

- Santiago: Violette Impellizzeri, Lars-Åke Nyman, Stuartt Corder, Itziar de Gregorio, Ruben Soto, Neil Phillips, Akihiko Hirota, Bernhard Lopez, Nick Whyborn, Alejandro Saez
- Charlottesville: Tony Remijan
- Haystack: Lynn Matthews, Geoff Crew, Mike Hecht, Shep Doleman
- Socorro: Ralph Marson

Scope:

- Hardware acceptance status - pending action items from HW Acceptance Review
- Software - test status, major open issues/bugs and path towards SW acceptance (Cycle 4)
- Commissioning - status w/r science requirements and priorities for the APP Team during the extended project period
- Specific items for review:
 - Scheduling demonstration by Dec. 1st
 - Phasing efficiency
 - Other?

Expected Outcome:

- Priorities recommendations for the APP Team.
- Tentative schedule for the upcoming APP milestones.
- (NO mandatory action items.)

Agenda (60 minutes max.)

- APP Team presentations:
 - HW acceptance process (to be skipped if no questions)
 - SW acceptance process - status, issues and next steps
 - Commissioning results - summary
 - Commissioning - specific items
- Discussions:
 - Commissioning - priorities
 - Next milestones
- AoB

Review Documents

- [ALMA-05.11.00.52-0005-A-REP.pdf](#): Status ("Incremental Acceptance") Report

- [ALMA-05.11.63.03-0001-A-REP.pdf](#): Phasing Efficiency Report
- [ALMA-05.11.63.03-0002-A-REP.pdf](#): VLBI Fringe Report
- [polconvert.pdf](#): PolConvert Status Report

Notes from the meeting (BLO)

Participants

- OSF: Lars, Neil, Bernhard
- SCO: Violette, Itziar, Baltasar, Hirota-san
- Phone: Tony R., Rodrigo A., Shep, Goeff, Lynn, Nick, Ralph

HW acceptance

No specific questions/comments - skipped.

SW acceptance

- Cycle 4 SW is basically completed.
- Modified manual mode observing script could go in SSR, but it is not there yet; should demonstrate in the next few weeks. Priority tickets are: ICT-5575, ICT-325, ICT-3954. Target is to include at 2015.8.
- ICT-3812 and ICT-4449: need to be addressed together with NRAO Computing, target is to include the fix at 2015.8.
- 2015.8 would be delivered to release managers on Dec. 16th, delivered to Ops during February shutdown.
- E2E? tests would start from OT, schedule the observation, execute, reduce data; i.e, the full cycle. Proposed to keep separate from the general ALMA SW E2E? tests.
- Sub-arrays and APP interaction issue: considering that a maximum number of antennae is desired for VLBI observations the impact should be low.





Commissioning

- Requirements summary: all satisfied except two (section 5.6 of the summary).
- Requirement APP150 - phasing efficiency: technical problems caused corrupted VLBI data, used all data for phasing efficiency. Would be an asset to take more phasing data in order to confirm that specifications are met.
- Polconvert: not part of the APP ALMA SW, part of post-processing (post-correlation).
- Data correlation and reduction SW is not a deliverable, though the ALMA VLBI working group is aiming at defining the policy for VLBI observations, what kind of data will be stored in the Archive, etc.
- Commissioning priorities:
 - Acquire more ALMA phasing data, exercising observing conditions, phasing efficiency, could be done remotely.
 - One more VLBI commissioning campaign: still need tests with a fully-phased array, need a few longer observations.

Tentative timeline

- APP SW development (priority items) by mid December (for 2015.8)
- SW verification during Dec/Jan
- Campaign for combined E2E? tests (SW) and pending Commissioning around March-April, schedule TBC with ALMA JOT
- APP SW acceptance part of Cycle 4 SW Acceptance later in 2016 (according to the established timeline)
- System verification & Commissioning results review part of the Final Acceptance (after SW acceptance and before the start of Cycle 4 - TBC with ALMA JOT)

-- [GeoffCrew](#) and [LynnMatthews](#) - 19 Oct 2015

I	Attachment	Action	Size	Date	Who	Comment
	ALMA-05.11.00.52-0005-A-REP.pdf	manage	466.0 K	19 Oct 2015 - 13:09	GeoffCrew	Status ("Incremental Acceptance") Report
	ALMA-05.11.63.03-0001-A-REP.pdf	manage	3808.3 K	19 Oct 2015 - 13:11	GeoffCrew	Phasing Efficiency Report
	ALMA-05.11.63.03-0002-A-REP.pdf	manage	2368.2 K	19 Oct 2015 - 19:30	GeoffCrew	VLBI Fringe Report
	polconvert.pdf	manage	1534.2 K	19 Oct 2015 - 15:59	LynnMatthews	PolConvert? status report

Topic revision: r25 - 26 Oct 2015 - 23:16:28 - [BernhardLopez](#)

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