

SWG Chairs Telecon 9-October-2018

Notes by Jeff Wagg

Participants:

SWGs: Sarah Blyth, Garrelt Mellema, Divya Oberoi, Jason Hessels, Gianni Bernardi, Lourdes Verdes-Montenegro, Ann Mao, Sebastien Muller, Laura Wolz, Izaskun Jimenez-Serra

Apologies:

SKAO: Robert Braun, Tyler Bourke, Jeff Wagg

Topic: SKA1 design work

RB: update on the critical design review progress and upcoming reviews

JH: What were the technical challenges faced by the LFAA consortium?

RB: The optimization of the antenna design took longer than planned, and is in fact still ongoing, rather than advanced to a production-ready prototype

JW: Also, obtaining results from the AAVS1 prototype station (outfitted with early versions of the antenna) particularly the verification of station beam calibration, is taking longer than expected

GB: Why are the CDR standards being adjusted for the LFAA CDR relative to other design elements? Is this an attempt to preserve parity in the likely construction timeline of Low and Mid?

RB: Yes, it is vital that the system level components and architecture of the LFAA design are reviewed during 2018, so that the (full) System CDR preparations and schedule can be maintained. It is understood that some details of the LFAA implementation still require work and these will be completed in parallel during 2019. The situation has some correspondence with the DSH design, for which a pre-CDR is planned during 2018 for the same reason, while the full CDR is scheduled in 2019.

Topic: SWG Posters

TB: Presents the template to be used by the SWGs for their posters. Similar posters were made for design consortia a few years ago. Long format, for portable pull-up posters.

The deadline to receive these posters is by ~mid-November, for Comms team to print ahead of Jan AAS. Please have first drafts submitted by end October so there is time to iterate on details and layout.

Topic: Data Challenges

RB: The first data challenges should be released before the end of October. The slides describe the set of images and frequencies that should be released, and the community will be asked to apply their source finding and characterization algorithms

JH: Are there plans to release any time domain data sets for these challenges?

RB: We can consider this for the future, with input from the transient SWG. We welcome your input on suitable transient source classes and attributes as well as data product details that might be used for such a Data Challenge.

Topic: 2019 SKA Science Meeting and KSP Workshop (8 – 12 April, SKAO HQ)

RB: Registration and Abstract Deadline fast approaching, 26 October, so please act now.

Topic: AAS Splinter Session

TB: As the US is planning to submit papers for their next decadal review, we are planning to host an SKA splinter session at the next AAS. We have invited a number of speakers as are listed here.

Topic: Updates from SWG chairs

LV: Registration is now open for the next PHISCC meeting in Perth next year

GB and GM: Gave an update on the EoR/CD workshop that took place at the RAS in London