

SKA1 Continuum Science Assessment Workshop

Program Version 1.0

Day 1 Monday Sep 9

08:15 bus leaves hotel

09:00 Welcome and Introduction [Diamond, Huynh]

Session: Science Overview [focused on SKA1 perspectives/critical tech. requirements] *Prandoni, Seymour (chairs)*

09:15 Science Case 1: Tracing SF in the Universe [Murphy]

09:40 Science Case 2: Tracing AGN in the Universe [Smolcic *remote*]

10:05 Science Case 3: Diffuse radio sources in galaxy clusters [Ferrari]

10:30 coffee

11:00 Science Case 4: Galactic Science [Umana]

11:25 Science Case 5: Cosmology with continuum surveys [Bacon]

11:50 Science Case 6: Cosmic Magnetism [Taylor]

12:15 Continuum Survey Simulations and Source Populations, or What will SKA1 Surveys Find? [Condon]

12:40 lunch

Session: Precursor and Pathfinder Lessons [focus on SKA1 technical requirements to go a step beyond] *Huynh (chair)*

14:00 MWA [Hurley-Walker *remote*]

14:25 MeerKAT [van der Heyden]

14:50 ASKAP [Norris]

15:15 JVLA [Condon]

15:40 coffee

16:10 eMERLIN [Beswick]

16:35 LOFAR [Heald]

17:00 GMRT [Sirothia]

17:25 adjourn

Day 2 Tuesday Sep 10

08:15 bus leaves hotel

Session: Baseline Design and Requirements

09:00 Baseline Design [Dewdney]

09:45 Science requirements: office perspective [Huynh, Stevenson]

10:00 Science requirements: continuum science team perspective

10:00 Low frequency case (SKA1-Low) [Rottgering]

10:15 Mid frequency case (SKA1-Mid and SKA1-Survey) [Seymour]

10:40 coffee

11:10 Science requirements: magnetism science team perspectives [Govoni]

11:25 Science requirements: cosmology science team perspectives

[Abdalla/Bacon]

11:40 Discussion: Baseline Design [all] *Braun, Huynh, Prandoni, Seymour (chairs)*

12:30 lunch

Session: Baseline Design and Requirements

14:00 Discussion: Baseline Design - continued [all] *Braun, Huynh, Prandoni, Seymour (chairs)*

Session: Operations Concept, Expected Data Products

15:00 Continuum surveys and computational issues [Cornwell]

15:30 coffee

16:00 Discussion: Operations, Expected Data Products, Change Process [all] *Braun, Stevenson, Seymour (chairs)*

Session: Path to SKA2

16:30 SKA2 Science Case: dusty SF galaxies at $z > 4$ [Sargent]

16:55 Discussion on path to SKA2 [all] *Huynh, Braun, Taylor, Murphy (chairs)*

17:45 adjourn

Dinner, Red Lion in Pickmere. Bus leaving Cottons Hotel at 7pm, returning by 9:30-10pm

Day 3 Wednesday Sep 11

08:15 bus leaves hotel

Session: Summary and Document Preparation

9:00 summary of the workshop [all] *Huynh, Braun, Prandoni, Seymour (chairs)*

10:00 document preparation [all]

11:00 coffee

11:30 presentation and discussion of summary document [all] *Prandoni, Seymour (chairs)*

12:30 lunch