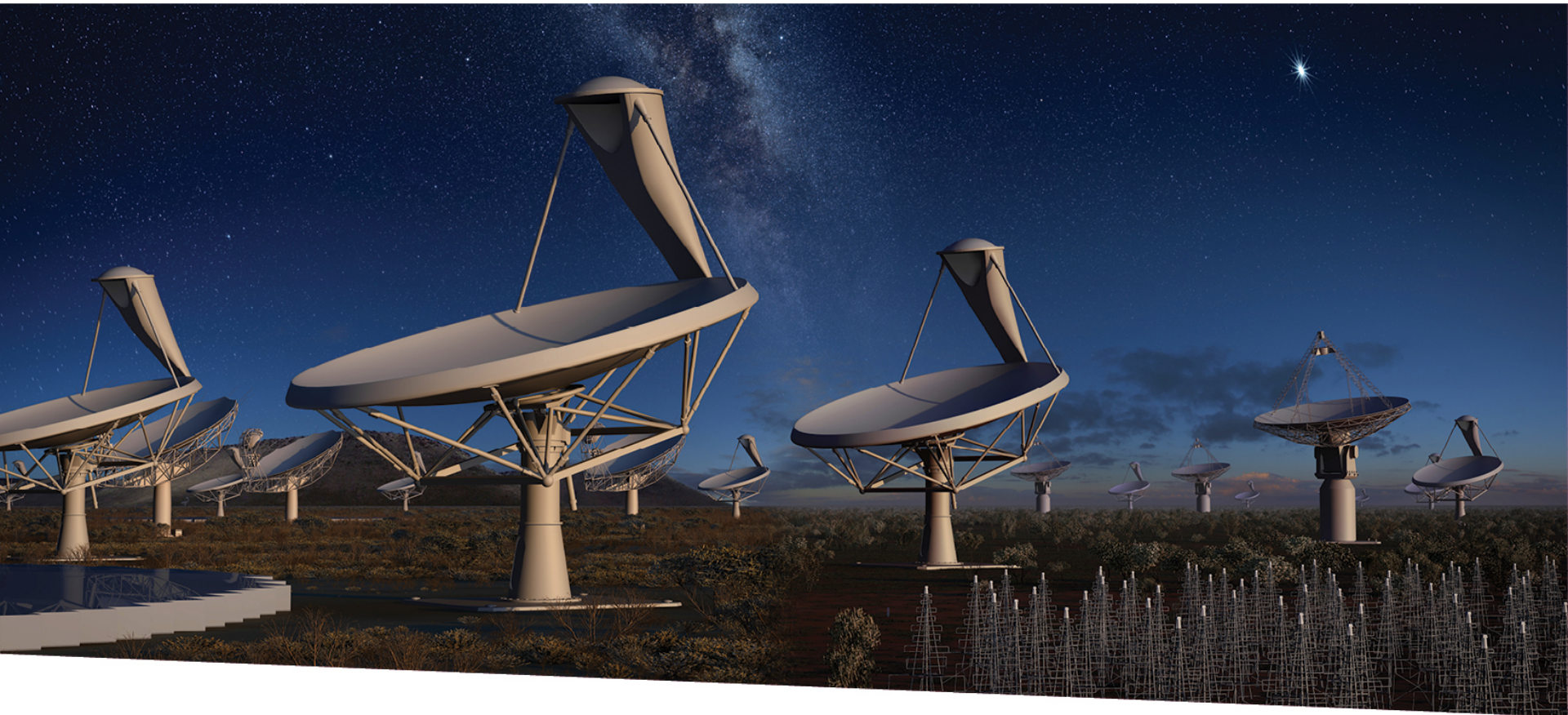




Introduction to SKA1_Mid Telescope Team



SQUARE KILOMETRE ARRAY

Exploring the Universe with the world's largest radio telescope

Gie Han TAN

2015-11-12

SKA1_Mid TT – membership



- Enthusiastic and committed team with wide representation from Consortia and other key stakeholders
- Ex-officio:
 - Alistair McPherson
 - Peter Dewdney
 - Tim Stevenson
 - Andrea Casson

Chair*	Gie Han Tan
Requirements*	Wallace Turner
PM*	Martin Austin
SE*	Andrea Cremonini
PS*	Tyler Bourke
Co-Chair*	Thomas Kusel
DSH	Adriaan Peens-Hough
SDP	Rosie Bolton
CSP	Ben Stappers/Michael Rupen
TM	Lize van den Heever
SaDT	Richard Oberland
INFRA SA	Carel van der Merwe
AIV	Donald Gammon
Operations	Antonio Chrysostomou

* Member of Exec

Extended Scope to TT ToR

- System Engineering activities
 - Concerns about ongoing SE activities
 - No regular communication/meeting forum for these activities
 - After consultation with HoP and SKAO System Lead Engineer this topic was added to the scope of the SKA1_Mid TT
 - Written reports in advance of bi-weekly TT progress meetings
 - Reviewed at each TT progress meeting
 - LSE attends TT progress meetings on an as need basis to review specific SE issues

Issue Process

- All SKA Project Stakeholders can propose issues to be addressed by TT
 - Issue with comprehensive description should be send by e-mail to TT Chair (g.tan@skatelescope.org) and TT PM (m.austin@skatelescope.org)
- In preparation for each TT progress meeting the TT Chair and Deputy make a preliminary assessment of each submitted issue proposal
 - An accepted issue is classified as major (high priority needing immediate attention by a RT) or minor (can be addressed later once more urgent issues have been addressed)
 - Rejected proposals might be tracked (watch item) by the TT if there is a risk that they develop into an issue
 - All issues and watch items are logged (currently in a Google spreadsheet)

Issue Process (cont.)

- At each TT progress meeting the participants review the list of issues and confirm the preliminary classification of issues and watch items
 - If necessary issues classifications is changed
- For major issues a Resolution Team will be set up using a RT Description form
 - Description of the issue
 - Brief scope of work for RT
 - Deliverables (e.g. report, ECP)
 - Schedule
 - Designated experts for RT (incl. RT Lead and PM)

Issue Process (cont.)

- RT Description is provided to HoP for approval and implementation
- RT execution phase
 - Collaboration between TT and RT
 - Regular reporting at TT progress meetings
 - Delivery milestones
 - Final recommendation from RT is reviewed by TT
- RT activity is closed with the TT submitting the recommendation and deliverables to the HoP
 - HoP is responsible for further follow up

SKA1_Mid Issues



- Issue status 2015-11-12
 - Major issues: 12
 - Minor issues: 7
 - Watch items: 22
- Resolution Teams established for:
 1. SKA1_Mid Construction Phasing
 - RT Lead: Tyler Bourke
 2. External RFI Characterization
 - RT Lead: Richard Lord
 3. Sampling Clock Off-set
 - RT Lead: Brent Carlson



SKA1_Mid Issues (cont.)

- Up coming issues
 - Telescope calibration
 - Identify required telescope calibration capabilities
- Sub-arrays
 - Implementation of sub-arraying requirements
 - Operational aspects of multiple observations with sub-arrays

SKA1_Mid TT Logistics / Organization



- Meeting scheme
 - Regular (~bi-weekly) TT progress meetings
 - SKAO Engineering Coordination meetings (monthly)
 - Topical / RT meetings (on an as need basis)
 - Regular (~quarterly) 'Telescope', face-to-face, meetings
- TT reporting
 - Monthly update report to the Head of Project
- SKA1_Mid collaboration tool
 - Dropbox, Google Documents (interim)
 - Confluence (final)



Confluence Page SKA1_Mid TT



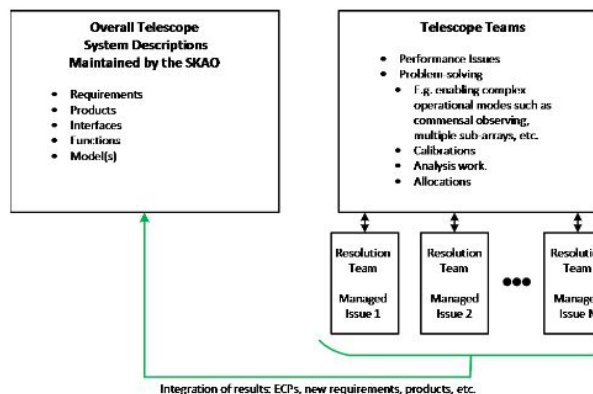
MID Telescope Team Home

Created by Stevenson, Tim, last modified by Austin, Martin 2 minutes ago

Welcome to the MID Telescope Team home Confluence page.

You will find within this Space (short-cut links are in blue text):

- MID TT Terms of Reference and Management Plans: [MID TT ToR and Plans](#)
- MID Issues lists etc: [MID TT Issues](#)
- Minutes of MID TT Meetings: [MID TT Minutes of meetings](#)
- MID TT Resolution Teams (RTs): [MID TT RTs](#)
 - [MID TT RT 1 Construction Phasing](#)
 - [MID TT RT2 RFI Characterisation](#)
 - [MID TT RT3 Clock Offset](#)
- MID TT Key Documents: [MID TT Key Documents](#)

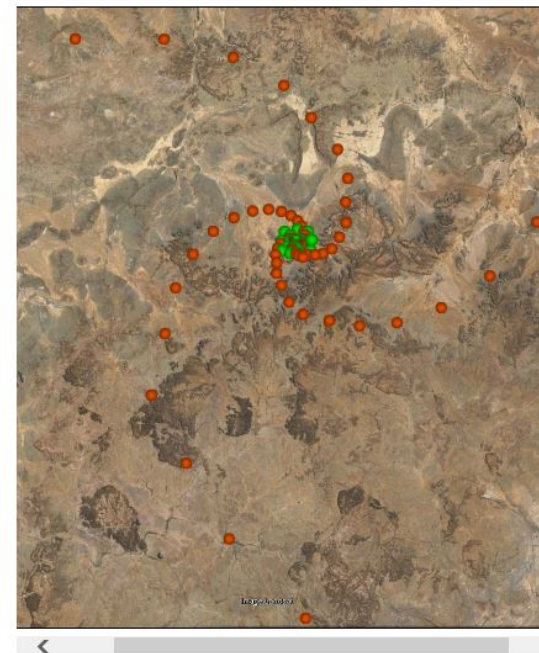


Relationship between the TTs and the Telescope Systems

MID TT Membership:

Role/Representative	TT-MID Member name
Chair*	Gie Han Tan
Co-Chair*	Thomas Kusel
Requirements*	Wallace Turner
PM*	Martin Austin
SE*	Andrea Cremonini
PS*	Tyler Bourke
DSH	Adriaan Peens-Hough
SDP	Rosie Bolton
CSP	Ben Stappers/Michael Rupen
TM	Lize van den Heever
SaDT	Richard Oberland
INFRA SA	Carel van der Merwe
AIV	Donald Gammon

* Members of TT Executive



- Only available for those who have access to SKA Community Confluence server
- A public summary web page for SKA1_Mid TT issues might be set up

Concerns & Risks

- Availability of resources for Resolution Teams
 - The quick start up of the SKA1_Mid TT is now levelling off due to a slow kick-off of the individual RTs
 - This slow down is not caused by a lack of interest of experts proposed for RTs but due to the fact that they are occupied by other tasks
 - The issue is actively being discussed with SKAO HoP and alternative options to mitigate resource risks are being suggested

SQUARE KILOMETRE ARRAY

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- Thank you!