

Mizusawa VLBI Observatory

SKA Science WG

(MIZ-SKA-SWG=MSS)

2016/10/04

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Summary of MIZ-SKA-SWG

- Established in May 2015
 - Based on previous internal symposia in Mizusawa VLBI Observatory in a past few years
 - Request cooperation from the Japan SKA Consortium
 - Discussion about possible SKA sciences as one of future plans of Mizusawa VLBI Observatory
 - But different point of view from the SKA Science WG in Japan SKA Consortium
- Important notice
 - Mizusawa VLBI Observaory has not yet selected SKA as our future plan; it is one of the possibilities
 - MIZ-SKA-SWG will not select/decline SKA as our future plan; we just discuss possible contributions to SKA

Goals

- Discussion about possible contributions of Mizusawa VLBI Observatory to future SKA sciences
 - How can we (=Mizusawa VLBI Observatory) develop our sciences (=VLBI, astrometry, Galaxy, AGN, AGB, SFR, etc) with future SKA observations?
 - How can we utilize our technical/engineering methods (=interferometry, VLBI, imaging, calibration, multi-beam, phase-referencing, etc) in the future scientific researches with SKA?
 - Is SKA worth devoting our resources compared with other future radio astronomy projects? If so, how should we do? (If not, we need further discussion about other projects.)
- Executive summary report will be published by March 2017 (delayed)

Membership

- Core members nominated by director and chair
 - From various fields of VLBI-related sciences
 - T. Hirota (NAOJ; Chair)
 - K. Hada, M. Honma, K. Motogi, N. Sakai (NAOJ)
 - K. Niinuma (Yamaguchi)
- Call other key persons for detailed information
 - K. Takahashi (Kumamoto)
 - H. Imai (Kagoshima)

Activities

- Total 26 f2f/skype meetings since 2016 May
 - Review of each science case in SKA Science Book
 - Review of pulsar study by Takahashi-san
 - Discussion about each science case led by each member
 - See following slides
- Executive summary report will be published by March 2017
 - Delayed from original schedule
(March 2016, May 2016, ...)
- Details for each topic are removed from the file

Summary

- MIZ-SKA-SWG is established to discuss about SKA sciences as one of future plans of Mizusawa
- WG meeting will report the executive summary will be reported by 2017 March (delayed from the original schedule)
- All the contents of this presentation file are preliminary! --- subject to change
- All the discussion has no conclusion yet!