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Astro Space Center
RadioAstron Newsletter
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RadioAstron Key Science Program: July 2013 – June 2014

Thirteen proposals with about 200 Co-Is from 19 countries (Russia, USA, Germany, Australia, Italy, Netherlands, UK, Ukraine, Spain, Japan, South Korea, South Africa, Canada, Poland, China, Hungary, Mexico, India, Greece) were submitted in response to the first RadioAstron Announcement of Opportunity (AO-1) to cover the period July 2013 – June 2014 of the open RadioAstron Key Science Program <http://www.asc.rssi.ru/radioastron/ao-1/ao1.html>. In an effort to make most efficient use of the time-limited satellite resources, the call for proposals had encouraged the formation of Key Science Programs (KSPs) and the mission held a Key Science Program consortia organization meeting in Bonn in early December 2012. The proposal deadline was 8 February 2013. In total, about 1.8 thousand hours were requested. A technical assessment of the proposals was carried out by the mission. All proposal were evaluated by the RadioAstron Program Evaluation Committee (RPEC) which was appointed by the RadioAstron International Science Council (RISC). Results of the evaluation were approved by the RadioAstron project director. RPEC members for AO-1 were Phil Edwards (chair, CSIRO, Australia), Tim Pearson (Caltech, USA), Misha Popov (ASC Lebedev, Russia), Richard Porcas (MPIfR, Germany), Elaine Sadler (U. Sydney, Australia), and Mark Reid (Harvard-Smithsonian CfA, USA). Below we list accepted Key Science Programs which have requested observations with RadioAstron during the AO-1 period in a priority order starting from the highest:

Rank A:

- “Space VLBI Survey of AGN at the Highest Angular Resolutions”, PI: Yuri Kovalev (ASC Lebedev, Russia)
- “Studies of Pulsars with RadioAstron”, PI: Carl Gwinn (UCSB, USA)

Rank B:

- “The nuclear structure in nearby AGN at 3-500 Schwarzschild radii resolution”, PI: Tuomas Savolainen (MPIfR, Germany)
- “Probing the innermost regions of AGN jets and their magnetic fields”, PI: James Anderson (MPIfR, Germany)

Rank C:

- “Structure and physics of compact jets in AGN”, PI: Manel Perucho (U. Valencia, Spain)
- “Space-VLBI observations of radio-transients”, PI: Kirill Sokolovsky (ASC Lebedev and SAI MSU, Russia)
- “Study of the water and hydroxyl maser properties with ultimate angular resolution”, PI: Andrey Sobolev (Ural Federal U., Russia)

With best regards!

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