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Automated system for reduction of observational data on RATAN-600 radio telescope

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Abstract

© 2016, Pleiades Publishing, Ltd.We present the automated systemfor estimating the parameters of radio sources observed on all available continuum radiometers (two receiving facilities of secondary mirrors No. 1 and No. 2 with a total of 30 radiometers) developed at RATAN-600 radio telescope and put into normal operation. The system is also used for the monitoring of the parameters of the antenna and receiving systems of RATAN-600 radio telescope, which is carried out using current measurements of calibration radio sources.

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Keywords

general—methods, observational—techniques, radar astronomy, radio continuum