

Pushchino: heliospheric-remote-sensing progress since the May 2009 workshop

Big Scanning Array of Lebedev Physical Institute (BSA LPI) Radiotelescope has operating frequency 111 MHz and two independent 16 beams systems, each of them covering strip of the sky of about 80 width in declination. Since 2006 one of the beams systems is used for IPS observations in monitoring regime. In the present state several hundred of scintillating radio sources is observed during 24 hours every day. Strong reference sources 3C 48 and 3C 298 are located in the used sky strip in summer and winter time correspondingly. IPS data processing modes including recent modifications are described briefly. Starting from 2009 new beams system containing 128 beams is designed and created. Expected width of sky strip will be about 640. As a result, the number of scintillating sources observed daily will increase up to about one thousand.

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