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Monitoring of Space Debris: Optical-Electronic Complex at OPD/LNA

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Abstract

Space debris is a growing problem for satellites and spacecraft orbiting the Earth. To avoid damaging collisions in near-Earth space, the Optical-Electronic Complex for detecting and tracking space debris was installed at the Observatory Pico dos Dias (OPD)/LNA, Brazil, in 2017. This Complex was installed by JC “RPC “PSI” due to Agreement between the Governments of Brazil and Russia on Cooperation in Research and Use of Outer Space for Peaceful Purposes. The project is a partnership between LNA, Brazil, Fundação de Pesquisa e Assessoramento a Indústria (FUPAI), Brazil, and the Space Agency Roscosmos, Russia.