

5.5 IA

Transmission of BDA signals

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The Brazilian Decimetric Array (BDA) is operating presently with five elements interferometer at INPE campus, in São José dos Campos. With base lines up 32 metres and frequency range of 1.2-1.7 GHz, the BDA is being tested and prepared to be transported to a permanent location at Cachoeira Paulista. The new base lines will increase up to 400 meters. This involves developments of the subsystems, such as sending reference signals to lock the frequency synthesizer used as local oscillators. Stabilities of frequencies and amplitude for couple of hours have been satisfactorily tested. Presently stabilities over the periods of 24 hours have been checked. Results of these tests will be presented.

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