

The IMS-Infrasonic Array Station IS09 Brasilia, Brazil

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The station IS09 was established in the area of the Brasilia National Park, as a 4-element array in the form of a centered triangle with an aperture of about 2-km. That station is collocated with the 3-component primary seismic station PS07 and data from both stations are transmitted, over a standard FM telemetry link, to the central processing facility at the University of Brasilia, 20 km distant. IS09 was installed in July 2001 as a collaborative program between the University of Brasilia and the PTS; the university was responsible for the site preparation and civil construction and the PTS provided and installed the equipment. Data from IS09 are being provided through CD-ROM because the GCI facility is not yet in operation due to the lack of the frequency license permit.

This presentation will provide examples of infrasound signals detected by IS09, including a comparison between infrasound and seismic signals. Problems experienced in the operation of the infrasound station also will be addressed