New CartoSat-1 Stereo Pairs On-line

According to license agreement with the Indian ANTRIX company, ScanEx Center performs the 2007 summer season stereo pairs acquisition from IRS-P5 (CartoSat-1) satellite of the European part of Russia.

The Indian CartoSat-1 satellite is equipped with a two-camera optical system, allowing the creation of a stereo pair on one pass of a 29-km swath area at 2.5 m resolution.

Russian ground station in Samara acquired stereo pairs from IRS-P5 of the areas within almost all regions and republics in the European part of Russia, as well as of Yamal-Nenets and Khanty-Mansi Autonomous Areas and regions in Kazakhstan, Ukraine and Belarus. Klin, Rusa, Moshaisk, Dorokhovo, Verei, Ramenskoye, Bronnitsi, Stupino and Kashira towns of Moscow Region were covered with images.

Stereo pairs are the source material for digital elevation models, topographic maps and 3D models generation. The Indian Space Research Organisation (ISRO) performed a multi-temporal stereo imaging of the whole territory of India in 2005-2006 using IRS-P5 to the benefit of creating a nationwide series of 1:25 000 scale topographic maps and of the DEM of India.

Samples of new images are available in the on-line web-catalog of ScanEx. The archived images can be purchased or new ones ordered in ScanEx's processing and sales department.