RADARSAT-1 Orthorectified Imagery (2001-2002)

2015-08-31

Canadä

Copyright notice

RELEASES HISTORY

Date	Description
2015-08-31	Updating links
2015-02-10	Adding direct FTP link to download the data.
2014-09-01	Original edition

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What is GeoBase?

GeoBase is a federal, provincial and territorial government initiative that is overseen by the Canadian Council on Geomatics (CCOG). It is undertaken to ensure the provision of, and access to, a common, up-to-date and maintained base of quality geospatial data for all of Canada. Through GeoBase, users with an interest in the field of geomatics have access to quality geospatial information at no cost and with unrestricted use. More on GeoBase initiative.

Description

The 5 RADARSAT-1 images (processed and distributed by RADARSAT International (RSI), a subsidiary of MDA Geospatial Services Inc.) complete the landsat 7 orthoimagery coverage.

RADARSAT-1 orthoimages are stored as raster data produced from SAR Standard 7 (S7) beam mode with a pixel size of 15 m. They have been produced in accordance with NAD83 (North American Datum of 1983) using the Universal Transverse Mercator (UTM) projection. RADARSAT-1 orthoimagery were produced with the 1:250,000 Canadian Digital Elevation Data (CDED) and photogrammetric control points generated from the Aerial Survey Data Base (ASDB).

The objective of GeoBase is to produce a complete set of cloud-free (less than 10%) orthoimages covering the Canadian landmass using Enhanced Thematic Mapper (ETM+) data from the Landsat 7 satellite and to use Radarsat-1 data where Landsat7 data is unavailable.

For more information on Satellite Imagery, visit Natural Resources Canada, Canada Centre for Mapping and Earth Observation website.

Documentation

For more details on RADARSAT-1 orthoimages standards and specifications, see the Radarsat-1 Product information.

Metadata

Metadata are provided with each dataset. Among other, the validity date and the planimetric accuracy are shown in this file.

Use and Restrictions

All distributed RADARSAT-1 orthoimages should have the mention:

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Data Format

Radarsat images are available in GeoTiff format.

Editing or Viewing Free Software

It is possible to see data using free software, see the question 'How can I open a raster or vector dataset if I do not have a GIS software?' in the GeoGratis FAQ section.

Download datasets available

5 datasets available

In the GeoGratis search tool, insert, if you know, the location in the "Geographic Location" section, insert in the "Subject Keywords" section "radarsat", click on "Remotely Sensed Data (satellite, airborne, sonar, etc)", and finally click on "Search". You can reduce the number of products found by zooming on the map in the area of

interest and click on the "Redo Search with Map Extent" option available under the map. You can also go directly to the list of datasets in the RADARSAT-1 Orthorectified Imagery GeoGratis API. Direct FTP link: RADARSAT-1 Orthorectified Imagery. For more information about the GeoGratis Search tool, see the question 'How do I conduct a search in the GeoGratis tool?' in the GeoGratis FAQ.

View

Navigate through Toporama tool to create your own views of the data.

Contact us

For answers to technical questions, please consult the Frequently Asked Questions section. In addition, the content of metadata files delivered with digital data can provide answers to most of your questions.

If you do not find answers to your questions or to submit your comments, suggestions and ideas about **GeoGratis**. Please contact us using one of the methods below:

- **By email at:** geoginfo@nrcan.gc.ca

- **By telephone: +01-819-564-4857 / 1-800-661-2638 (Canada and USA)**

Service Standards

The service standards are guidelines intended to ensure a uniform service to our customers. Service must be fast, reliable and of quality. The service is examined and improved regularly, based on customers' feedback.

We are committed to:

- Answer to users during business hours: from 8:30 AM to 12:00 PM and from 1:00 PM to 4:30 PM (Eastern Time).

- Respond to inquiries within 2 working days. When applicable, follow up on request within the period agreed with the user.

- Insure the availability of our website 90% of the time on a monthly basis, 24 hours a day, 7 days a week.