

ROLSS : the RMIB On Line Short-term Service

This page provides the minimal information needed to access the near real time data from the GERB instruments.

Generalities

The [ROLSS](#) provides near real-time Level 2.0 (radiances and fluxes) data from the GERB instruments. This FTP site aims to provide data to the user community within less than 4 hours. The data are automatically removed from the site after 40 days. The long term archive of the Edition ARG products is hosted on the [GGSPS](#) at RAL and at the British Atmospheric Data Centre (BADC).

The full archive of all GERB level 2 data (all instruments and all formats) is also available on the ROLSS, in the directory "Archive".

Data access

The use of the data is subject to a careful reading of the [GERB Data Policy](#), the [GERB Edition-1 Quality Summary](#), and the [GERB Edition-1 Release Paper](#). To access to the near real-time data using FTP, follow these steps:

1. [Register to the ROLSS mailing list](#).
2. Keep the username (email address in lower case) and password submitted.
3. Wait for the confirmation email of the list.
4. Access the data through FTP on "gerb.oma.be" or through HTTPS at https://gerb.oma.be/gerb_data/ using your username and password.

ROLSS Announcement Mailing List

This mailing list is used to broadcast announcements concerning the ROLSS products and their distribution (such as new product versions, server downtimes) to the registered users. The archives of this list are available [here](#).

Currently available NRT data

At this time, the site proposes data from the GERB-3 instrument on Meteosat-10 (also known as MSG-3). These data are unvalidated and should *not* be used for quantitative scientific studies. The access to these pre-release data is normally restricted to the GERB science team members.

Currently available "archive" data

In the directory "Archive" you will find the full data record of GERB level 2. The data are provided in subdirectories

Archive/G2/SEV1	(from 1 Feb. 2004 to 30 Apr. 2007)
Archive/G1/SEV2	(from 1 May. 2007 to 19 Feb. 2013)
Archive/G3/SEV3	(from 24 Apr. 2015 to 11 Feb. 2018)
Archive/G4/SEV4	(from 11 Jan. 2018 to present)

of the ROLSS FTP site gerb.oma.be.

We strongly recommend using a FTP command-like client.

The GERB data are available under different space/time formats: ARG, BARG, EUROPE, ARCH (defined [here](#)). To know which geolocation file you need to use for a data file, look into the HDF file you want to use for an attribute under HDF path "/Geolocation/Geolocation File Name". It is a string that refers to the name of the geolocation file to use. The data is stored in the following subdirectories:

G1_SEV2_L20_ARG_SOL	Shortwave	GERB-res/15'	(ARG)
G1_SEV2_L20_ARG_TH	Longwave	GERB-res/15'	(ARG)
G1_SEV2_L20_ARG_GEO	Geolocation	GERB-res/15'	(ARG)

G1_SEV2_L20_BARG_SOL_M15_R50	Shortwave	GERB-res/15'	(BARG)
G1_SEV2_L20_BARG_TH_M15_R50	Longwave	GERB-res/15'	(BARG)
G1_SEV2_L20_BARG_SGE0_M15_R50	Geolocation	GERB-res/15'	(BARG)

G1_SEV2_L20A_HR_SOL_TH (disk)	Archive	High-Resolution	(SHI full)
G1_SEV2_L20_HR_GEO (disk)	Geolocation	High-Resolution	(SHI full)
G1_SEV2_L20_HR_STATION (stations)	Stations	High-Resolution	(SHI)

G1_SEV2_L20_HR_SOL_EUROPE (Europe)	Shortwave	High-res Europe	(SHI)
G1_SEV2_L20_HR_TH_EUROPE (Europe)	Longwave	High-res Europe	(SHI)
G1_SEV2_L20_HR_GEO_EUROPE (Europe)	Geolocation	High-res Europe	(SHI)

For GERB2, just change G1_SEV2 into G2_SEV1.

For GERB3, the prefix should be G3_SEV3 as this instrument is processed using SEVIRI data from MSG3 (thus SEV3). Note that currently we do not provide any GERB3 data (still in calibration/validation stage).

Related documentation

- [GERB data format web page](#)
- MSG-RMIB-GE-UG : L2 RMIB products user guide  [GERB L2 User Guide](#)
- Data format: web pages for [HDF5](#)

For more information contact the GERB team at gerb@meteo.be

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<https://gerb.oma.be/> - **RMIB GERB wiki**

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