

# DockerRtg

A Docker container has been created for the Matlab/Octave software package remtg:

EISCAT Level 2 data visualisation: webm movie generator (C) Ingemar Häggström

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## Availability

The image has been uploaded to Dockerhub as **eiscat/remtg\_volume**

Dockerhub page: [https://cloud.docker.com/u/eiscat/repository/docker/eiscat/remtg\\_volume](https://cloud.docker.com/u/eiscat/repository/docker/eiscat/remtg_volume)

## Source code

The sources are available at

<https://source.coderefinery.org/EISCAT/remtg/tree/feature/docker-vol>

## Description

This software reads EISCAT L2 compressed matlab (.mat.bz2) files and generates overview animations in webm format.

## Usage instructions

1. Create a directory for input data
2. Copy .mat.bz2 data files to the input directory (typically one hour of data, or as selected by user)
3. Copy the file 'rtg\_def.m' for your experiment to the input directory
4. Create a directory for output
5. Run with the input and output directories mounted at /srv/data and /var/tmp in the container, respectively.

## Example (insert correct paths to the input and output directories on the host)

```
$docker run --rm --mount type=bind,source=host_data_path,destination=/srv/data --mount type=bind,source=host_output_path,destination=/var/tmp eiscat/remtg_volume
```

See also run\_docker.sh in the sources.