RMIB Remote Sensing from Space (RRSS) group

- Team Members
- Publications – Conferences and Meetings
- FTP site – GERB intranet (login)
- Related Links and Collaborations

Main Projects

- GERB
- CM SAF
- EarthCARE
- Copernicus Climate Change Service (C3S)

Geostationary Earth Radiation Budget (GERB) Project

- Introduction – Instrument – Science Team
- Processing Overview – Documentation
- Content – Formats
- Data Access (ROLSS) – RMIB GERB Processing Information
- SEVIRI data

News

August 2022

The “Quartz Filter Anomaly” affecting the GERB4 data has been fixed and the GERB4 record (Jan 2018 onward) is under reprocessing. The data is expected to be available in time for presentation at the

EUMETSAT 2022 conference in Brussels.

August 2022

The next "*Earth Radiation Budget Workshop*" will be held on October 12-14, 2022, in Hamburg, Germany. This workshop is the join meeting of the CERES, ScaRaB, GERB, and Libera science teams.

July 2022

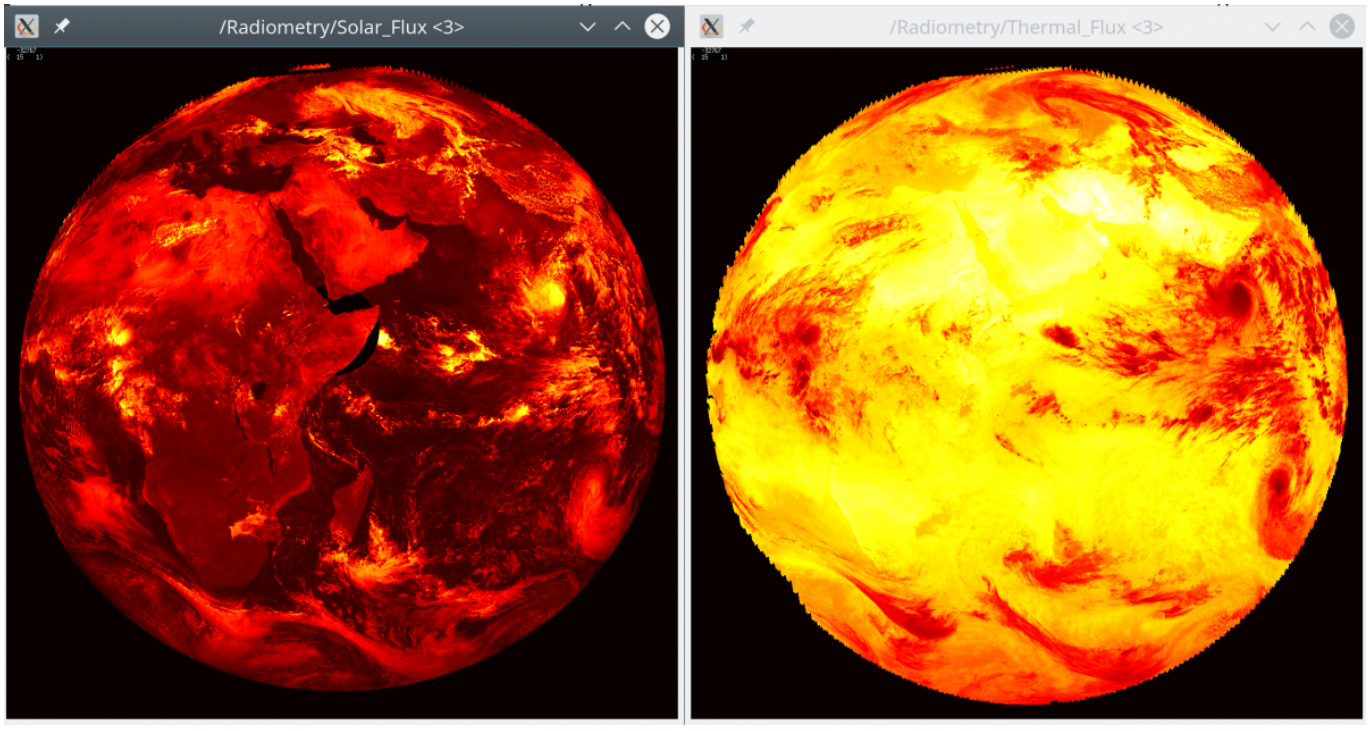
Presentation of the GERB record at the ***International Radiation Symposium (IRS)** @ Thessaloniki, Greece: "Preliminary Validation of 18 Years of Broadband Radiation Data from the Geostationary Earth Radiation Budget (GERB) Instruments", Christine Aebi Presentation (PDF)

June 2022

As part of the MSG2 payload, the **GERB1** instrument is now operational over the Western part of the Indian Ocean (subsatellite longitude of 45.5° East). The **GERB1** Indian Ocean record starts on 9th May 2022 and is processed in near real time with the version tag V007.

Data available for evaluation via the ROLSS: https://gerb.oma.be/doku.php?id=data_access

As illustration, the HR solar (left) and thermal (right) fluxes on 10 May 2022 at 09:00 UTC.



September 2021

- T. Akkermans and N. Clerbaux (2021): Retrieval of Daily Mean Top-of-Atmosphere Reflected Solar Flux Using the Advanced Very High Resolution Radiometer (AVHRR) Instruments, *Remote Sensing, 13(18), 3695; doi:10.3390/rs13183695*

April 2021

- A. Payez, S. Dewitte, and N. Clerbaux (2021): Dual View on Clear-Sky Top-of-Atmosphere Albedos from Meteosat Second Generation Satellites, *Remote Sensing, 13(9), 1655; doi:10.3390/rs13091655*.

March 2020

Publication of 2 papers in “Remote Sensing” describing the TOA radiation products from AVHRR, one for the shortwave, one for the longwave. These works will be basis to future release of TOA radiation products in the Climate Monitoring SAF CLARA-A3 Climate Data Record.

- T. Akkermans and N. Clerbaux (2020): Narrowband-to-Broadband Conversions for Top-of-Atmosphere Reflectance from the Advanced Very High Resolution Radiometer (AVHRR), *Remote Sensing, 12(2), 305; doi:10.3390/rs12020305*.
- N. Clerbaux, T. Akkermans, E. Baudrez, A. Velazquez Blazquez, W. Moutier, J. Moreels and C. Aebi (2020): The Climate Monitoring SAF Outgoing Longwave Radiation from AVHRR, *Remote Sensing, 12(2), 929; doi:10.3390/rs12060929*.

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