Publications

On this page, you will find publications of the RMIB GERB Team in peer-reviewed journals.

In Press

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*
- 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*.

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- 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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- S. Dewitte, N. Clerbaux, J. Cornelis (2019): Decadal Changes of the Reflected Solar Radiation and the Earth Energy Imbalance, *Remote Sensing, 11, 663; doi:10.3390/rs11060663*.
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- L. Duforêt-Gaurier, D. Dessailly, W. Moutier, H. Loisel, 2018. Assessing the Impact of a Two-Layered Spherical Geometry of Phytoplankton Cells on the Bulk Backscattering Ratio of Marine Particulate Matter, *Appl. Sci., 8(12), 2689, doi: 10.3390/app8122689*.

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- M. Urbain, N. Clerbaux, A. Ipe, F. Tornow, R. Hollmann, E. Baudrez, A. Velazquez Blazquez, J. Moreels (2017): The CM SAF TOA Radiation Data Record Using MVIRI and SEVIRI, *Remote Sensing, 9, 466*.

- F. Tornow, N. Clerbaux, A. Ipe, U. Manon (2017): An improved method to estimate reference cloud-free images for the visible band of geostationary satellites, *International Journal of Remote Sensing, 38(23), 7220-7241, doi:10.1080/01431161.2017.1372859*.

- S. Dewitte and N. Clerbaux (2017): Measurement of the Earth Radiation Budget at the Top of the Atmosphere — A Review, *Remote Sensing, 9, 1143; doi:10.3390/rs9111143*.

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- I. Decoster, N. Clerbaux, E. Baudrez, S. Dewitte, A. Ipe, S. Nevens, A. Velazquez-Blazquez, J. Cornelis (2014): Spectral Aging Model Applied to Meteosat First Generation Visible Band, *Remote Sens., 6, 2534-2571*.

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- A. Ipe (2011):
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