

ERIK JOHANSSON

PUBLICATIONS

- **Johansson, E.**, Devasthale, A., Tjernström, M., Ekman, A. M. L., Wyser, K., and L'Ecuyer, T. (2021), Vertical structure of cloud radiative heating in the tropics: confronting the EC-Earth v3.3.1/3P model with satellite observations, *Geosci. Model Dev.*, 14, 4087–4101, doi: 10.5194/gmd-14-4087-2021
- Karlsson, K.-G., **Johansson, E.**, Håkansson, N., Sedlar, J., and Eliasson, S. (2020), Probabilistic Cloud Masking for the Generation of CM SAF Cloud Climate Data Records from AVHRR and SEVIRI Sensors, *Remote Sensing*, 12(4), 713, doi: 10.3390/rs12040713
- **Johansson, E.**, Devasthale, A., Ekman, A. M. L., Tjernström, M., and L'Ecuyer, T. (2019), How does cloud overlap affect the radiative heating in the tropical upper troposphere/lower stratosphere?, *Geophysical Research Letters*, 46(10), 5623–5631, doi: 10.1029/2019GL082602
- **Johansson, E.**, Devasthale, A., Tjernström, M., Ekman, A. M. L., and L'Ecuyer, T. (2017), Response of the lower troposphere to moisture intrusions into the Arctic, *Geophysical Research Letters*, 44(5), 2527–2536, doi: 10.1002/2017GL072687
- Karlsson, K. G., **Johansson, E.**, and Devasthale, A. (2015), Advancing the uncertainty characterisation of cloud masking in passive satellite imagery: Probabilistic formulations for NOAA AVHRR data, *Remote Sensing of Environment*, 158, 126–139, doi: 10.1016/j.rse.2014.10.028
- **Johansson, E.**, Devasthale, A., L'Ecuyer, T., Ekman, A. M. L., and Tjernström, M. (2015), The vertical structure of cloud radiative heating over the Indian subcontinent during summer monsoon, *Atmos. Chem. Phys.*, 15(20), 11557–11570, doi: 10.5194/acp-15-11557-2015
- Karlsson, K.-G., and **Johansson, E.** (2014), Multi-Sensor Calibration Studies of AVHRR-Heritage Channel Radiances Using the Simultaneous Nadir Observation Approach, *Remote Sensing*, 6(3), 1845–1862, doi: 10.3390/rs6031845
- Karlsson, K.-G., and **Johansson, E.** (2013), On the optimal method for evaluating cloud products from passive satellite imagery using CALIPSO-CALIOP data: Example investigating the CM SAF CLARA-A1 dataset, *Atmos. Meas. Tech.*, 6(5), 1271–1286, doi: 10.5194/amt-6-1271-2013

PHD THESIS

- **Johansson, E.** (2019), Improving the understanding of cloud radiative heating, PhD Thesis, Stockholm University, Department of meteorology, ISBN: 978-91-7797-892-3 (electronic), Weblink: <http://urn.kb.se/resolve?urn=urn:nbn:se:su:diva-175365>