

List of Publications

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- **Wiltink, J. I.**, Trees, V. J., van Heerwaarden, C. C., & Meirink, J. F. (2026). Errors in satellite-based global horizontal irradiance retrievals due to three-dimensional cloud structures. *Atmospheric Chemistry and Physics*, 26, 7207–7233. <https://doi.org/10.5194/acp-26-7207-2026>
- Trees, V. J. H., Wang, P., **Wiltink, J. I.**, Stammes, P., Stam, D. M., Donovan, D. P., & Siebesma, A. P. (2025). MONKI: A three-dimensional monte carlo simulator of total and polarised radiation reflected by planetary atmospheres. *EGUsphere* [preprint]. <https://doi.org/10.5194/egusphere-2025-2197>
- **Wiltink, J. I.**, Deneke, H., van Heerwaarden, C. C., & Meirink, J. F. (2025). Evaluating parallax and shadow correction methods for global horizontal irradiance retrievals from Meteosat SEVIRI. *Atmospheric Measurement Techniques*, 18, 3917–3936. <https://doi.org/10.5194/amt-18-3917-2025>
- **Wiltink, J. I.**, Deneke, H., Saint-Drenan, Y. - M., Heerwaarden, C. C. V., & Meirink, J. F. (2024). Validating global horizontal irradiance retrievals from Meteosat SEVIRI at increased spatial resolution against a dense network of ground-based observations. *Atmospheric Measurement Techniques*, 17, 6003–6024. <https://doi.org/10.5194/amt-17-6003-2024>
- Trees, V. J., de Roode, S. R., **Wiltink, J. I.**, Meirink, J. F., Wang, P., Stammes, P., & Siebesma, A. P. (2024). Clouds dissipate quickly during solar eclipses as the land surface cools. *Communications Earth & Environment*, 5(1), 71. <https://doi.org/10.1038/s43247-024-01213-0>