Atmos. Meas. Tech. Discuss.,
doi:10.5194/amt-2019-409-SC1, 2020

Atmospheric Measurement Techniques Discussions

Interactive comment on "A Machine Learning-Based Cloud Detection and Thermodynamic Phase Classification Algorithm using Passive Spectral Observations" *by* C. Wang et al.

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Received and published: 16 January 2020

Dear Authors,

I appreciate your work very much and think that this is a valuable contribution to remote sensing. Nevertheless, I think that you also should mention two of our papers in this same journal since they use similar methods of machine learning to perform cloud detection and cloud property derivation. In particular, they also use measurements of the CALIOP lidar as a reference and collocate them with passive observations. You

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could also check references therein for papers with similar topics.

Strandgren, J., Bugliaro, L., Sehnke, F., and Schröder, L.: Cirrus cloud retrieval with MSG/SEVIRI using artificial neural networks, Atmos. Meas. Tech., 10, 3547–3573, https://doi.org/10.5194/amt-10-3547-2017, 2017.

Kox, S., Bugliaro, L., and Ostler, A.: Retrieval of cirrus cloud optical thickness and top altitude from geostationary remote sensing, Atmos. Meas. Tech., 7, 3233–3246, https://doi.org/10.5194/amt-7-3233-2014, 2014.

Best regards

–Luca Bugliaro

Interactive comment on Atmos. Meas. Tech. Discuss., doi:10.5194/amt-2019-409, 2019.

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