

Deep Learning techniques for the generation of satellite-borne thermal Infra-Red Spectra and their applications to remote sensing retrievals.

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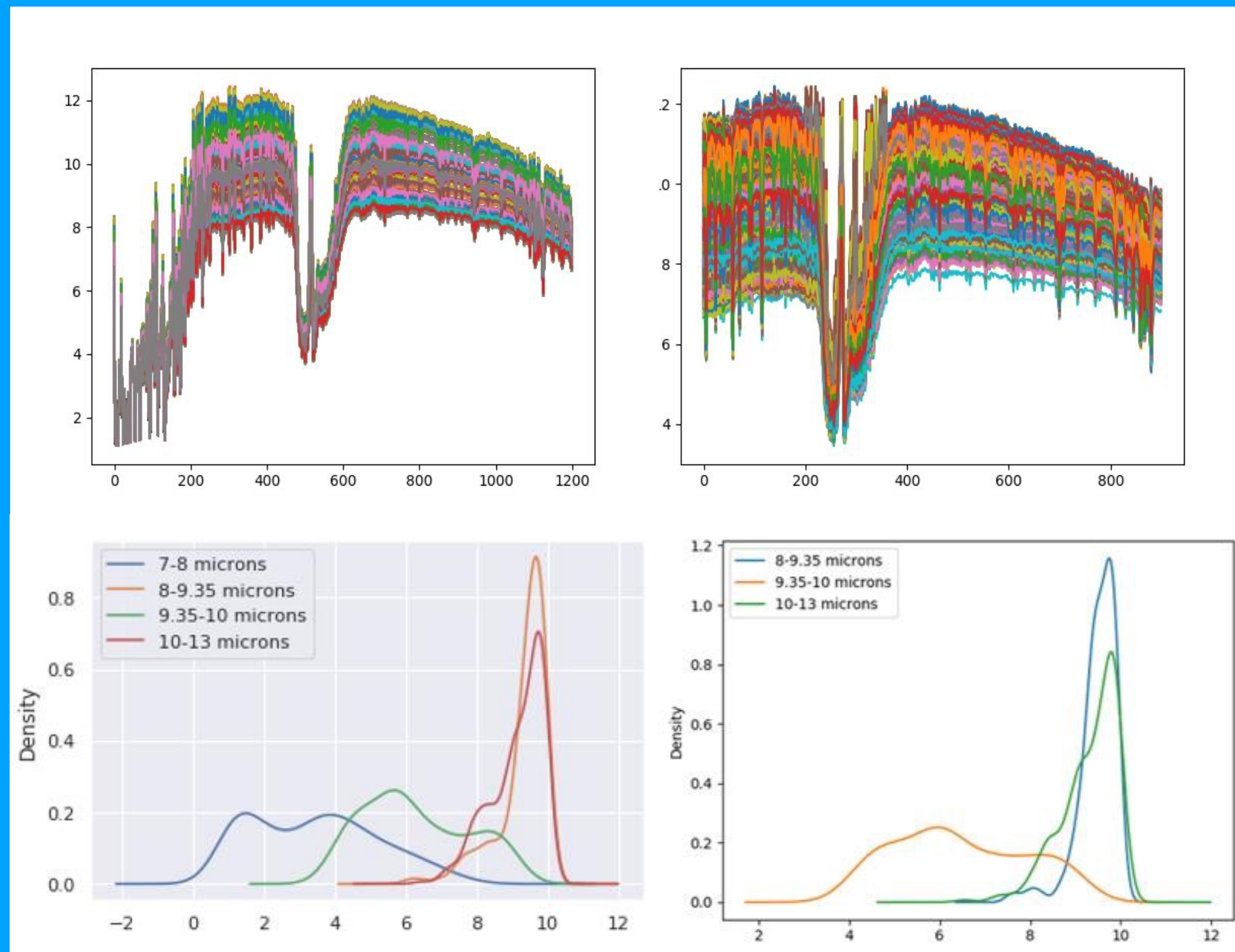
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Original TOA radiances

Simulated with GANs



ESA DeepLIM project: use of Deep Learning techniques to both simulate Thermal Infra-Red (TIR) spectra acquired by satellite-borne instruments and to retrieve surface parameters from these spectra.

Exploit Deep Learning techniques in support to the development of satellite retrieval chain.

Surface parameters retrieved with Neural

