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Estimation of precipitable water using thermal infra-red images

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30

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Zenith Sky Temperature, Th (°C)

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Objective



This study investigates the link between precipitable water (PW) and zenith-point temperature (T_b) retrieved via thermal images from a high-cost thermal camera under clear sky conditions.



 \checkmark Δ PW is described by two near-normal statistical distributions (central tendencies at ~-1 and 1.5 cm)