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(57) Abstract :
A cloud attenuation method for providing cloud attenuation statistics and atmospheric absorption coefficient. The cloud attenuation method includes a step of storing and processing a plurality of instructions pertaining to a prediction of a plurality of atmospheric parameters corresponding to a tropical climatic area through an instruction module. The method includes a step of receiving the processed instructions from the instruction module for estimating cloud attenuation and atmospheric absorption coefficient through a computation module. The computation module provides a plurality of equations to estimate cloud attenuation and atmospheric absorption coefficient by performing a plurality of steps includes computing total liquid water content (L), computing reciprocal temperature (rt), computing water vapor density (v), obtaining an equation for cloud attenuation, computing water vapor attenuation, computing oxygen attenuation, computing atmospheric absorption coefficient, and computing total atmospheric noise temperature.The most illustrative drawing: FIG. 4.

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