

The Doppler Lidar Simulation Model (DSL_M) On-Line

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Abstract

The Doppler Lidar Simulation Model (DSL_M), available on-line or on CD, is an integrated simulation model that produces realistic lidar winds results using either global or mesoscale atmospheric model wind fields. The DSL_M includes wind and atmospheric data and algorithms for direct detection double edge and coherent detection Doppler Wind Lidars. It can be used to address feasibility, trades, algorithm development, and optimization for space or aircraft based DWLs. For access to DSL_M, register on the Simpson Weather Associates web page <http://www.swa.com/>.