

A Hybrid DWL Concept for Instrument and Mission Analyses

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Abstract

The presentation presented an instrument concept for a hybrid DWL, drawing on work dating back to a 1995 proposal. The intent is to capitalize on both direct and coherent detection strengths, and thus mitigate the need for very large lasers. Perhaps they could also share the cost of platform, pointing control, mission management, and science team. It is hoped that the coherent and direct detection lidar point designs can help formulate a hybrid point design. The IPO has provided funding for a hybrid DWL OSSE, to be run during the spring of 2002. When the OSSE is complete and lessons gleaned from it, JPL will do a point design for the hybrid DWL.