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Investigation of Single-Sensor LINET Pulses relative to CGLSS/LDAR Data at KSC

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During the summer 2009 a single LINET sensor has been set up in Florida near KSC (Kennedy Space Center). Although many experiments with 'fast' field records for the detection and interpretation of lightning pulses have been carried out in past decades, it was interesting to investigate the efficiency of LINET with respect to cloud lightning. Due to the vicinity of KSC with its high-reputation systems CGLSS and LDAR, and openly available CGLSS/LDAR data, comparisons of individual events have been pos-sible. The present contribution compares LINET strokes with CGLSS strokes and stepped-leader signals from LDAR. The single LINET sensor provided stroke time, signal amplitude and direction of incidence; this information is suited for attempting correlations with the KSC data. Coincident events are analyzed and efficiencies of the involved systems are determined.