**Title**: VORTEX-SE 2020 UAH DropTrailer Ceilometer Dataset

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**1.0 Dataset Overview**

UAH Drop Trailer is a mobile surface station trailer mounted to a flatbed trailer.

**2.0 Instrument Description**

This platform includes a 10-m tower which is outfitted with a RM Young Wind monitor and Campbell Scientific 107 temperature probe, RM Young 81000 10 Hz sonic anemometer at 4 meters, Jenoptik CHM 15K ceilometer, and Texas Electronics tipping bucket rain gage.

**3.0 Data Collection and Processing**

Data is collected at 15 sec intervals. No data processing has been completed.

**4.0 Data Format**

The CHM15K ceilometer writes data to a netCDF file as it collects data. The data file includes several variables including 15m and 5m resolution backscatter. Please refer to the CHM15_Manual.pdf file for more in depth file variable definitions. File naming convention is as follows: YYYYMMDD_Berm_CHMstddrd_000.nc where:

YYYY -> Year
MM -> Month
DD -> Day
Courtland -> ceilometer location
CHMstddrd_000 -> Ceilometer type

**5.0 Data Remarks**

- No Data for IOP1