

All of the data used in the Suski et al. 2018 paper “Agricultural harvesting emissions of ice nucleating particles” are provided as tab delimited text files. Please contact Kaitlyn Suski (ksuski2277@gmail.com) and Paul DeMott (Paul.Demott@colostate.edu) if you plan to use this data in any publication.

Data were collected in the following locations on the following dates:

Sample	Location	Latitude, Longitude	Elevation (m)	Sampling Date
Pre-Soybean Harvest	Colby, KS	39.394, -101.066	966	10/14/14
Soybean	Colby, KS	39.394, -101.066	966	10/14/14
Sorghum	Colby, KS	39.394, -101.066	966	10/15/14
Wheat 1	Colby, KS	39.394, -101.066	966	6/30/15
Wheat 2	Colby, KS	39.394, -101.066	966	7/1/15
Corn	Lingle, WY	42.126, -104.403	1309	11/9/15

IS Data: There are 12 files: 11 data files and 1 Read_Me file.

Air during harvests was collected on filters and run with the Ice Spectrometer (IS). Some data was run with a 2.5 um cyclone upstream of the filter collection and is indicated by cyclone in the data file name. Please see *Hill et al.* [2016] and the manuscript associated with this data for detailed procedure for collection and sample processing. This data is processed and quality-controlled. IS data is given for each harvest and IS post treatment and is separated based on the use of the cyclone or not. The Ice Nucleating Particle (INP) concentration, temperature of the measurement in degrees Celsius, and the positive (CI+) and negative (CI-) error in INP are provided.

Variables:

Temp (C): IS operating Temperature in degrees Celsius

INP (#/L): Ice Nucleating Particle Concentration measured with the IS in number per liter of air

CI-: the negative error in INP associated with the measurement

CI+: the positive error in INP associated with the measurement

Data Set last modified on 1/30/18.