

# UIUC Mobile Sounding Data

## Author

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## Time of Interest

2017/01/08 01:00:00z - 2017/03/09 20:00:00z

## Launch Locations Coordinates

Residence Inn Downtown Boise: 43.605 degrees north, 116.214 degrees west

Idaho Power Company Garage: 43.622 degrees north, 116.226 degrees west

Caldwell: 43.662 degrees north, 116.663 degrees west

## Data Frequency

10 seconds

## Data Spatial Type

textTable

## General Dataset Description

Provided are data collected from 34 successful UIUC Mobile Radiosonde launches during the SNOWIE field campaign. Each successful launch, named by year-month-day-time-location.nc, has its own netCDF file and the data in each file includes: temperature (Celsius), relative humidity, time of sample (in seconds past launch time), height AGL (m), wind speed (m/s), wind direction (degrees), and pressure (mb) as measured by the radiosonde. The coordinates and altitude above MSL (m) corresponding to where each sounding was launched are written in the attributes of each file. All surface wind speed and direction is used from the previous hourly observation from KBOI for the Boise sites and KEUL for the Caldwell site. One exception was the launch on 16 February 2017 at Caldwell in which KBOI observations were used instead.