NCAR SLW-sondes Dataset

Dataset Author:
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Time of Interest : 2017/01/08 00:00:00 to 2017/03/09 23:59:59

Area of Interest: All SLW-sondes were released from Horseshoe Bend, ID at 43.9086, -116.2018.

Data Frequency: SLW-Sondes were released on an 'as-available/as-needed' basis.

Data Spatial Type: Vector

General Dataset Description:
These data files are IMet Radiosonde data with an attached Anasphere SLW-sonde. Data includes standard meteorological sounding fields plus a wire frequency field from the SLW-sonde. The SLW-content value derived from the wire frequency and the rise rate is appended to the data file as well. Each data file is in CSV format.

File Names: There are 12 files in this dataset.
upperair.NCAR_SLW_sonde.201701182313_Horseshoe_SLWdata.csv
upperair.NCAR_SLW_sonde.201701222257_Horseshoe_SLWdata.csv
upperair.NCAR_SLW_sonde.201701191528_Horseshoe_SLWdata.csv
upperair.NCAR_SLW_sonde.201703071532_Horseshoe_SLWdata.csv
upperair.NCAR_SLW_sonde.201701191706_Horseshoe_SLWdata.csv
upperair.NCAR_SLW_sonde.201703091428_Horseshoe_SLWdata.csv
upperair.NCAR_SLW_sonde.201701192345_Horseshoe_SLWdata.csv
upperair.NCAR_SLW_sonde.201703091456_Horseshoe_SLWdata.csv
upperair.NCAR_SLW_sonde.201701222118_Horseshoe_SLWdata.csv
upperair.NCAR_SLW_sonde.201703091622_Horseshoe_SLWdata.csv
upperair.NCAR_SLW_sonde.201701222203_Horseshoe_SLWdata.csv
upperair.NCAR_SLW_sonde.201703092103_Horseshoe_SLWdata.csv

Data restrictions: None.

Publications:

Serke, D., Sarah Tessendorf, Kim Reed, Jeff French, Bart Geerts, David Plummer, Spencer Faber, Bob Rauber, Katja Friedrich, Roelof Bruintjes, Roy Rasmussen, Andrew Janisezski, Levi Blanchette, Alex Schweitzer, Steven Huber, Shao Wen (Amy) Chen, Rachel Gutierrez, Derek Blestrud, Mel Kunkel, Julie Haggerty, Dave Albo, Initial performance evaluation of a radar-based super-cooled water detection algorithm during the SNOWIE Field Campaign, AMS Radar, Aug 28-Sept 1, Chicago, IL, 2017.

Serke, D., Adriaansen, D., Tessendorf, S., Haggerty, J., Albo, D., and Cunning, G., Super-cooled large drop detection with precipitation radars for the enhancement of operational icing products, AMS Radar, Aug 28-Sept 1, Chicago, IL, 2017.