



# Colorado Hail Accumulation from Thunderstorms



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**<https://zoom.us/j/208487737>**



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## ***Colorado Hail Accumulations from Thunderstorms***

***Professor Katja Freidrich***

To better identify and forecast hail accumulations, the Colorado Hail Accumulation from Thunderstorms (CHAT) project was initiated in 2016 with the goals of collecting improved and more frequent hail depth reports on the ground as well as studying characteristics of storms that produce hail accumulations in Colorado. Starting in 2016, every summer we asked amateur meteorologists to send general information, photos, and videos on hail depth using social media. Every year we receive almost 100 reports across Colorado with information on location, time, depth, and areal coverage of hail accumulations. In this talk, I will show how enhanced in-cloud hail presence and surface accumulation can be tracked throughout the lifetime of a thunderstorm using dual-polarization radar and lightning data, and how hail accumulation events are associated with large in-cloud ice water content, long hailfall duration, or a combination of these.

### **American Meteorological Society Chapter Membership:**

Regular annual membership dues are \$20; the student rate is \$10 per year. The chapter uses this income to perform educational and outreach activities including announcements, funding awards at science fairs, and covering the cost of refreshments at monthly chapter meetings. You may pay dues to any of the officers at a meeting.

You can join DBAMS either by attending one of the chapter meetings or emailing us at [amsdenbou@gmail.com](mailto:amsdenbou@gmail.com). Membership is not required to attend the monthly chapter meetings. Please feel free to bring family, friends, and neighbors.

Your support of the DBAMS is greatly appreciated, and we look forward to seeing you at our meetings!

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