

Middle School Measurements leading to Investigation of Precipitation Patterns

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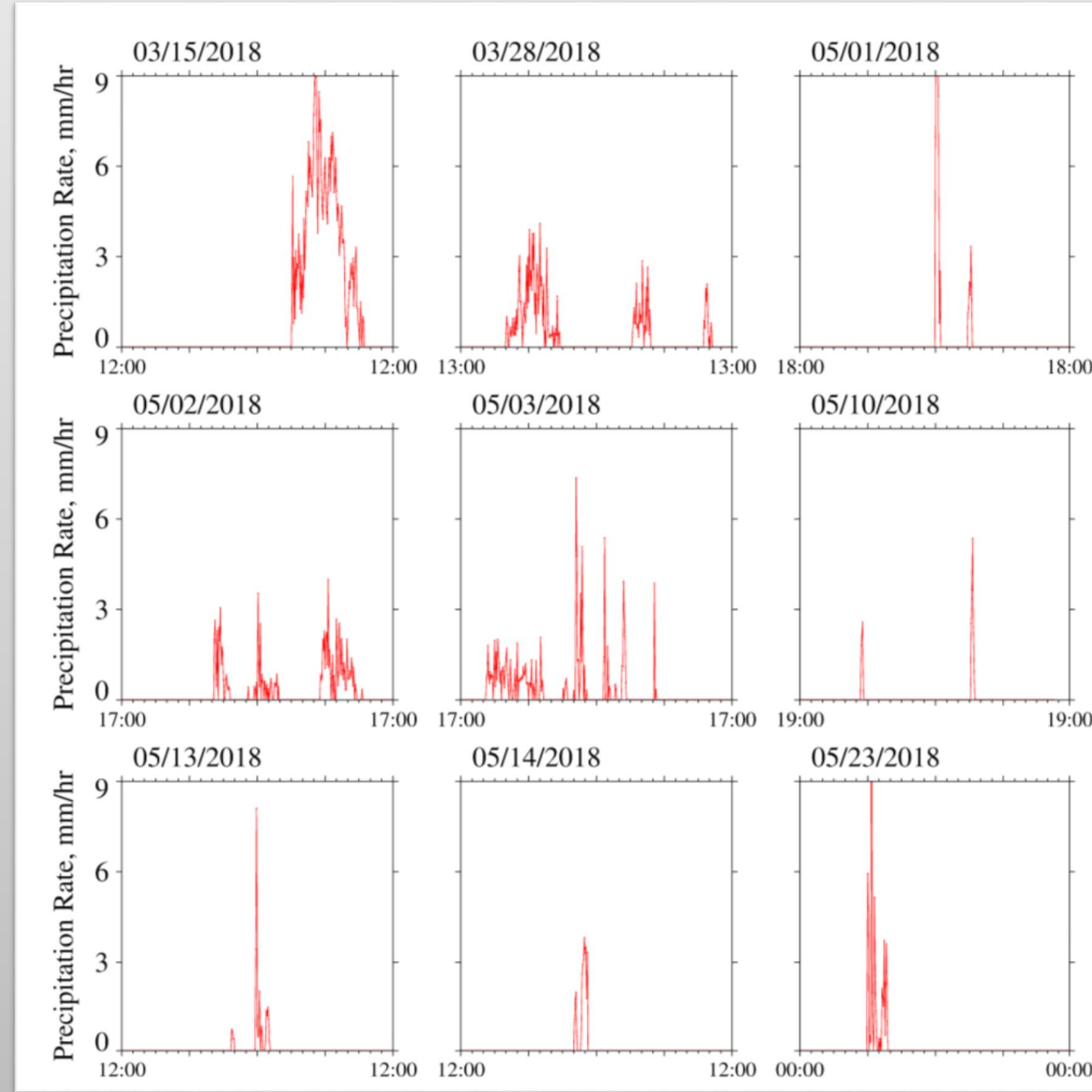
University of Wyoming ¹; Laramie Middle School ²; Epic Systems ³

Activities: University of Wyoming (UW) collaboration with Laramie Middle School (LMS) on the following topics: 1) Atmospheric side of the hydrological cycle (rainfall and snowfall); 2) Curriculum development with emphasis on meteorology and precipitation measurement; 3) Student involvement in precipitation measurement (setup, measurement, recording, display, analysis, tear down); 4) What a professional meteorologists does; 5) Illustration of cycles in nature and patterns in data

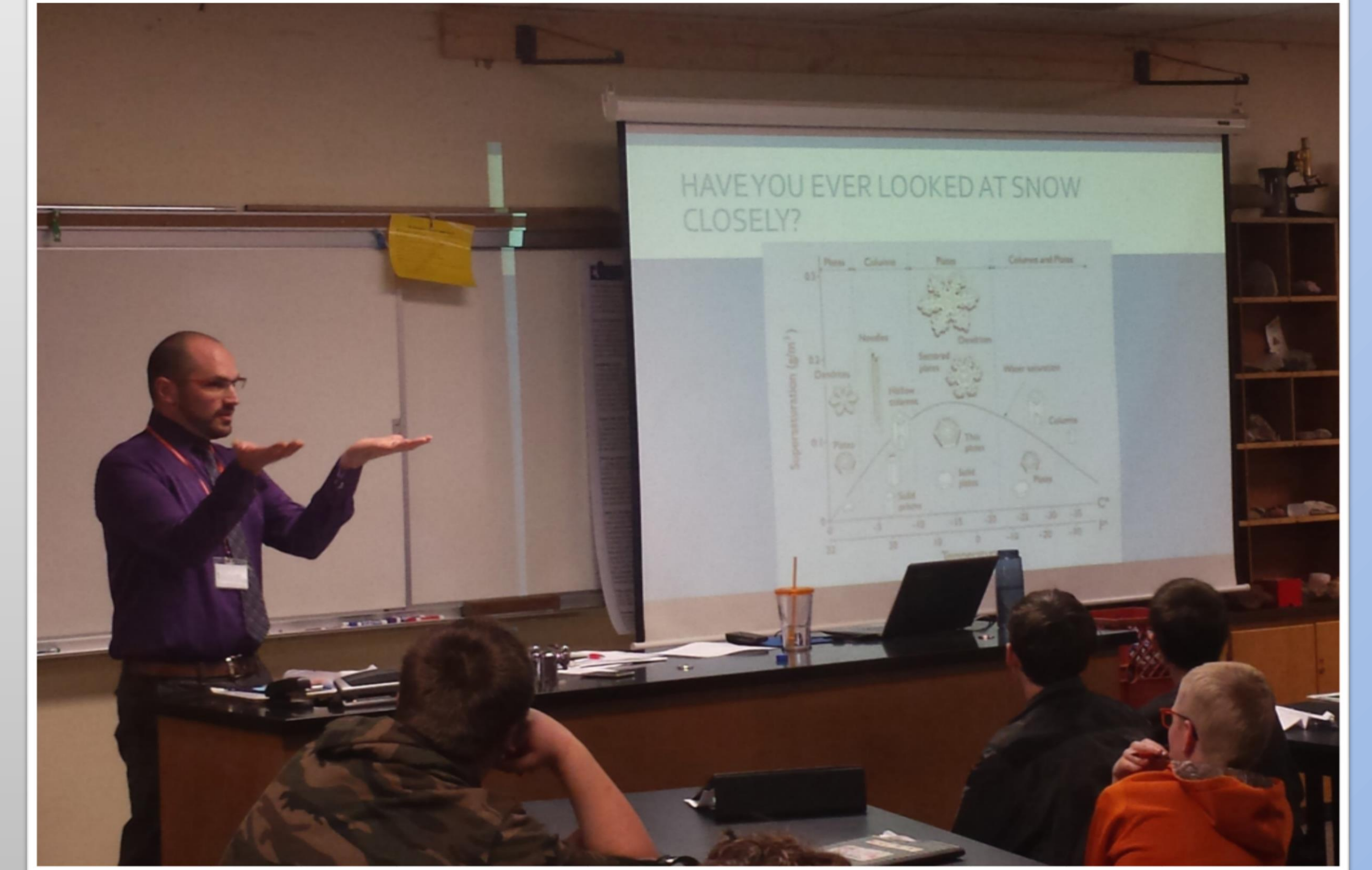
Sheltered Gauge in Garden Area at LMS



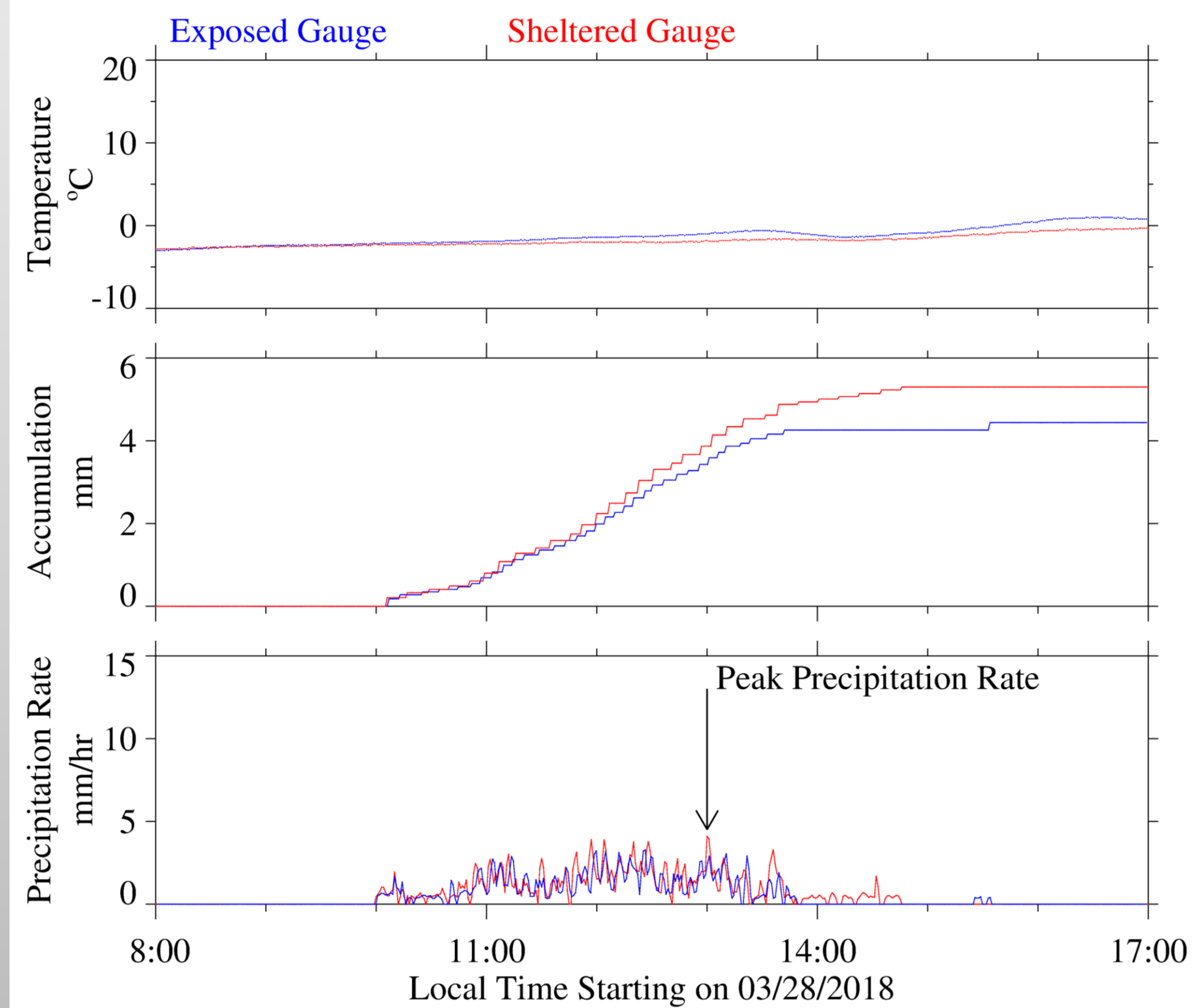
Precipitation Cases at LMS (32 total)



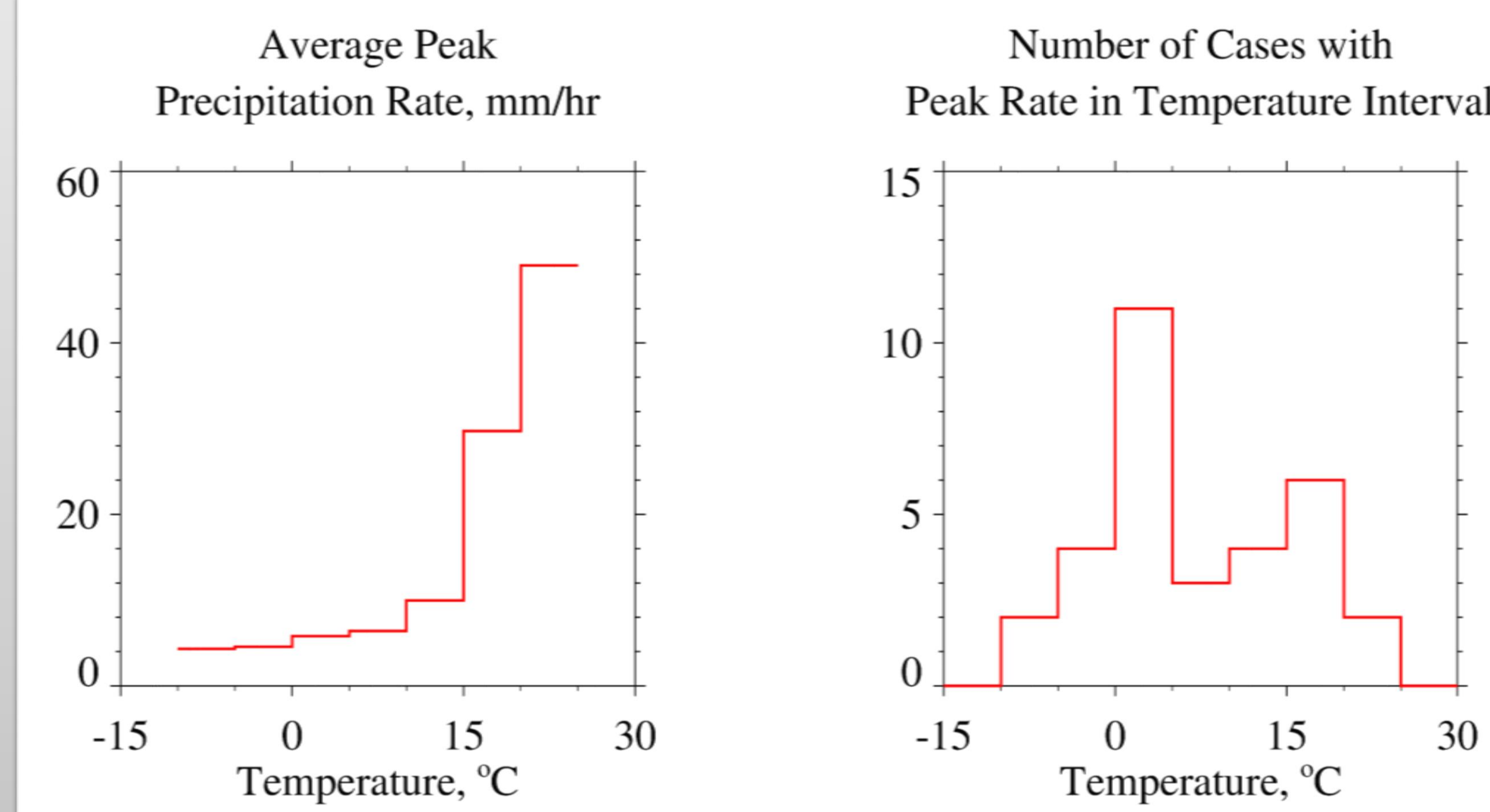
LMS Meteorology Curriculum



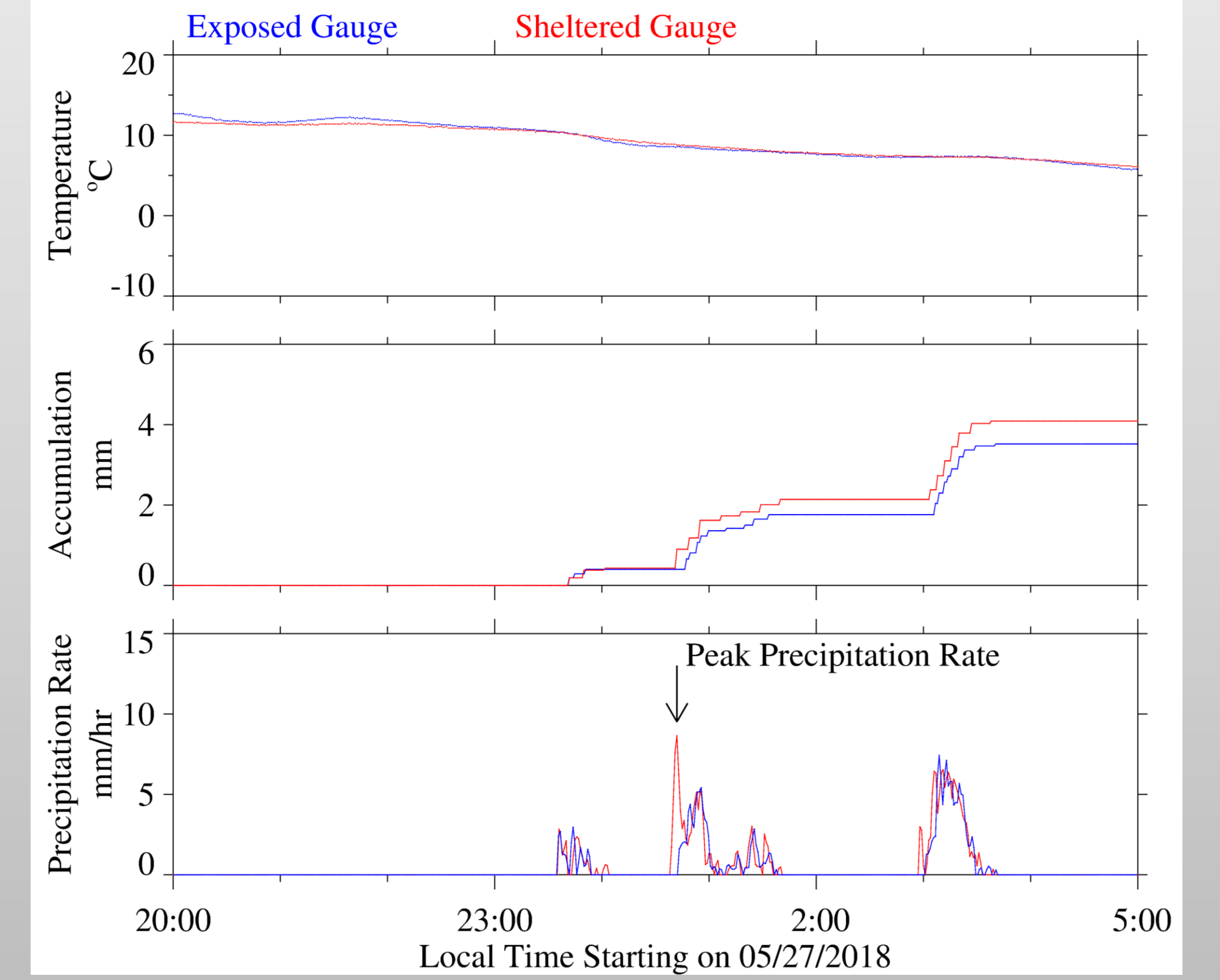
Snowfall Case at LMS



Analysis and Results



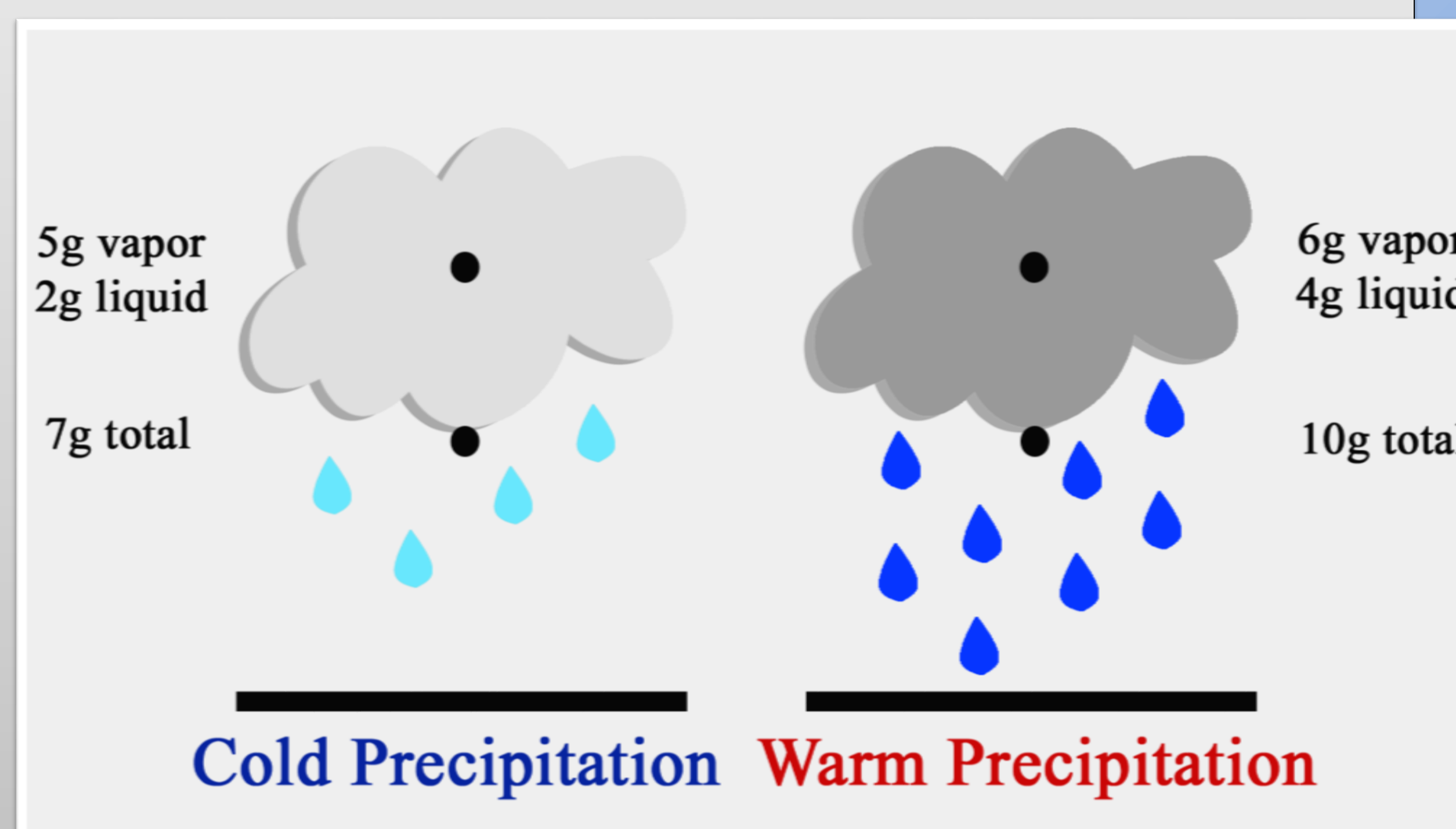
Rainfall Case at LMS



LMS Student Involvement



Explanation of Results



UW Team

