



Link to new high-resolution digital PRISM maps of precipitation, temperature, humidity, and more!

The Climate Source now distributes all of our new PRISM spatial climate data sets

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## Welcome to Oregon State University's Spatial Climate Analysis Service

Use this web site to download digital precipitation data, link to a much wider range of PRISM spatial climate data, sample or place orders for hard-copy precipitation maps, access reports and papers on PRISM, or contact us.

Our PRISM Climate Mapping Program is an ongoing effort to produce and disseminate the most detailed, highest-quality spatial climate datasets currently available. These digital climate maps are created using **PRISM** (Parameter-elevation **R**egressions on **I**ndependent **S**lopes **M**odel) an analytical tool that uses point data, a digital elevation model, and other spatial data sets to generate gridded estimates of monthly, yearly, and event-based climatic parameters, such as precipitation, temperature, and dew point. PRISM is uniquely designed and constantly updated to map climate in the most difficult situations, including high mountains, rain shadows, temperature inversions, coastal regions, and other complex climatic regimes.

PRISM derived data sets have been and are being used in applications of climatology, hydrology, natural resources, global climate change, land use, planning, relocation, education, and geography. PRISM climate mapping projects are being conducted in the United States, Canada, China, Mongolia, Europe, Pacific Islands, and elsewhere.

The program is a collaboration between the Spatial Climate Analysis Service, directed by Dr. Christopher Daly, Assistant Professor, and the Oregon Climate Service, directed by George Taylor, State Climatologist. Both the SCAS and OCS are located on the Oregon State University campus in Corvallis.