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     climatological period 1991-2020. Contains spatially gridded average annual total precipitation
     at 4km grid cell resolution. Distribution of the point measurements to the spatial grid was
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     website.</abstract>
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     points. Some provide estimates of acceptable accuracy in flat terrain, but few have been able
     to adequately explain the extreme, complex variations in climate that occur in mountainous
     regions. Significant progress in this area has been achieved through the development of PRISM
     (Parameter-elevation Regressions on Independent Slopes Model). PRISM is an analytical model
     that uses point data and an underlying grid such as a digital elevation model (DEM) or a 30 yr
     climatological average to generate gridded estimates of monthly or annual precipitation and
     temperature (as well as other climatic parameters). PRISM is well suited to regions with
     mountainous terrain, because it incorporates a conceptual framework that addresses the spatial
     scale and pattern of orographic processes. Grids were modeled on a monthly basis. Annual grids
     were produced by averaging (temperatures, dew point, vapor pressure deficit, and solar
     radiation) or summing (precipitation) the monthly grids. These gridded normals supersede the
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     and precipitation across the conterminous United States. International Journal of
     Climatology, 28: 2031-2064. [2] Daly, C., J.I. Smith, and K.V. Olson. 2015. Mapping
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