

An evaluation of Alaska precipitation data derived from North American Regional Reanalysis

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North American Regional Reanalysis (NARR) is a relatively new 25 year data set created by the National Center for Environmental Prediction. NARR has a 3 hour temporal resolution and consists of more than 400 variables on a 32KM grid over North America. Of particular interest to the Alaska River Forecast Center is the use of NARR precipitation data for hydrologic modeling in data sparse areas of Alaska. Comparisons of NARR precipitation data to PRISM and observed point data at different time intervals show considerable bias. The relative bias varies in magnitude over different regions of Alaska.

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