

Discussion of Loyalton Weather and Wind Patterns

Elevation of PM10 monitor: 4940 feet^{\1}

Climate Data for Loyalton: Rainfall averages around 18" per year. Typically rain will fall a total of approximately 45 days. The average July high temperature is around 84 °F and the average January low temperature is around 14 °F.^{\2}

Winds in the Loyalton area can come from all points of the compass during various times of the year, but a definite diurnal pattern does exist. During the daylight hours winds typically blow from the west to the east at 4 to 6 mph. During nighttime hours winds follow Smithneck Creek downhill, flowing from the south-southeast to the north-northwest at 2 to 3 mph.^{\3}



\1 - data obtained from Google Earth

\2 - <http://www.bestplaces.net/city/Loyalton-California.aspx#>

\3 - Based on analysis of 2009 Loyalton wind data collected by the NSAQMD