

Additional file 1 Climate data in the Illilouette Creek basin in Yosemite National Park and Sugarloaf Valley in Kings Canyon National Park, California, USA. Field data were collected from 2002 to 2013 to observe naturally occurring patterns of forest and understory structure and composition in relationship to fire regime. Climate data spans from 1981 to 2013.

Table 1.1 National Oceanic and Atmospheric Administration (NOAA) nearest weather stations used based on elevation and distance from study site. Please note that there were weather stations that were physically closer to the sites, but much lower in elevation, and therefore not appropriate for comparison.

Study site	NOAA weather station	Latitude (°)	Longitude (°)	Elevation (m)
Sugarloaf Valley	Grant Grove	36.7394	−118.9631	2012
Sugarloaf Valley	Lodgepole	36.6044	−118.7325	2053
Illilouette Creek basin	South Entrance Station	37.5075	−119.6336	1566
Illilouette Creek basin	Yosemite Park Headquarters	37.7500	−119.5897	1209
Illilouette Creek basin	Yosemite Village 12W	37.8833	−119.3500	2638

Table 1.2 Annual precipitation and snow calculated from monthly climate normals for each weather station. Yosemite Park Headquarters and Yosemite Village 12W both had significant snow throughout the year, but it was not recorded. Monthly climate normals were computed for the 30-year period from 1981 to 2010 (Arguez *et al.* 2010)

NOAA weather station	Annual precipitation (cm)	
	Snow	Precipitation
Grant Grove	457	107
Lodgepole	554	115
South Entrance Station	90	95
Yosemite Park Headquarters	Not recorded	104
Yosemite Village 12W	Not recorded	106

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Additional file 1, continued Climate data in the Illilouette Creek basin in Yosemite National Park and Sugarloaf Valley in Kings Canyon National Park, California, USA. Field data were collected from 2002 to 2013 to observe naturally occurring patterns of forest and understory structure and composition in relationship to fire regime. Climate data spans from 1981 to 2013.

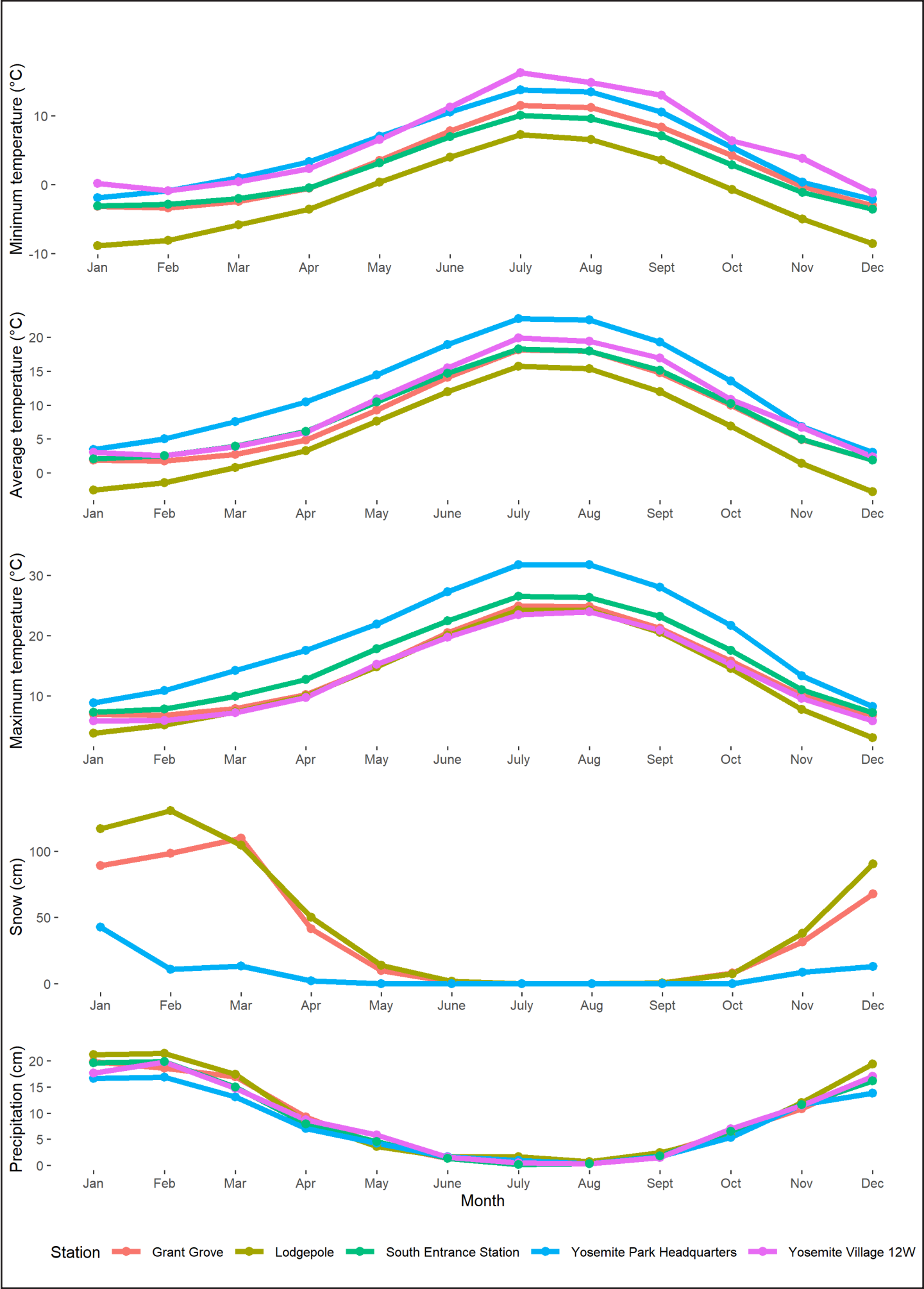


Figure 1.1 Monthly climate normals computed for the 30-year period from 1981 to 2010 for minimum temperature, average temperature, maximum temperature, snow, and precipitation (Arguez *et al.* 2010).