

Dataset name	Variables	Spatial resolution	Temporal resolution	Source
MOD11A2	land surface temperature, emissivity	1 km \times 1 km	8-day	Wan et al. (2015)
MOD09A1	surface reflectance, albedo, NDVI	1 km \times 1 km	8-day	Vermote (2015)
MOD15A2/MCD15A2	LAI	1 km \times 1 km	8-day	Myneni et al. (2002)
NLDAS	T_A , RH, R_S , u	12.5 km \times 12.5 km	hourly	Mitchell et al. (2004); Xia et al. (2012)
University of Idaho Gridded Surface Meteorological Data	T_A , RH, R_S , u	4 km \times 4 km	daily	Abatzoglou (2013)
PRISM	precipitation	4 km \times 4 km	daily	PRISM Climate Group, Oregon State University