

## PRISM Spatial Climate Datasets for ForestGEO Sites in the contiguous United States

Compiled by CTFS-ForestGEO Ecosystems & Climate Initiative

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Data for CTFS-ForestGEO sites were extracted from the PRISM annual dataset with 30 second (~800m.) resolution purchased under a grant to Kristina Anderson-Teixeira (NSF #DEB-1353301). Under the PRISM data use terms, these data may be shared with collaborators but are NOT TO BE FREELY DISTRIBUTED (e.g., posted on a public website). For additional details on the PRISM data please visit: [http://www.prism.oregonstate.edu/documents/PRISM\\_datasets.pdf](http://www.prism.oregonstate.edu/documents/PRISM_datasets.pdf).

**Climatic variables.** The following climatic variables are available, with a separate .csv file for each.

Variable	Type	Description	Modeling and Output Resolution
Ppt	Modeled climate element	Daily [monthly] total precipitation (rain+melted snow)	30 sec
Tmax	Modeled climate element	Daily maximum temperature [averaged over all days in the month]	30 sec
Tmin	Modeled climate element	Daily minimum temperature [averaged over all days in the month]	30 sec
Tmean	Derived variable	Daily mean temperature, calculated as (tmax+tmin)/2	30 sec

- *Units and scaling:* tmin, tmax, tmean (deg C); ppt (mm)
- Cell position refers to the location relative to the center point (with “C” being the center point), thus the central cell (“C”) contains plot coordinates.

### File format

Header	Description
Site	CTFS-ForestGEO site, with coordinates as indicated in the following table.
cellPosition	‘C’ indicates the central cell that contains the site coordinates. The remaining codes (N, NW, W, SW, S, SE, E, NE) indicate direction of a neighboring cell.
F[YEAR].[MO]	Indicates YEAR and MONTH of the data record (Jan 1930- Dec. 2015)

**Sites.** Data were extracted for the following sites at the given coordinates. In addition to extracting the cell in which these coordinates fall, we extracted the eight surrounding cells.

Site	Lat	Long
Harvard Forest	42.5388	-72.1755
Lilly Dickey Woods	39.2359	-86.2181
Santa Cruz	37.0124	-122.075
Smithsonian Conservation Biology Institute (SCBI)	38.8935	-78.1454
Smithsonian Environmental Research Center (SERC)	38.8891	-76.5594
Tyson Research Center	38.5178	-90.5575
Wabikon	45.5546	-88.7945
Wind River	45.8197	-121.9558
Yosemite National Park	37.7662	-119.819
Utah Forest Dynamics Plot	37.6602	-112.854
Michigan Big Woods (E.S. George Reserve)	42.4667	-84
UMBC-University of Maryland, Baltimore	39.2549	-76.7081