

Suggested Data Sets for UHI Analysis

No	Name/ Institution	Temporal Coverage	Spatial Coverage	Timestamp	Spatial Resolution	Temperature Variables	Format
1	Moderate Resolution Imaging Spectroradiometer (MODIS) NASA Earth Observing System	2000 -	Global	Daily	1km	Land Surface Temperature	Satellite
2	CHELSA-W5E5 v1.0: Daily climate data at 1km resolution Swiss Federal Institute for Forest, Snow and Landscape Research WSL	1979-2016	Global	Daily	1km	Daily mean, max and min near-surface air temperature	Grid
3	CHIRTSdaily Climate Hazards Center UC Santa Barbara/USAID	1983-2016	Quasi-Global (60°S – 70°N)	Daily	5km	Daily min and max	Grid
4	TerraClimate Climatology Lab	1958-2019	Global	Monthly	4km	Monthly min and max	Grid
5	Global High Resolution Daily Extreme Urban Heat Exposure v1 NASA Socioeconomic Data and Applications Center (SEDAC)	1983-2016	Global (Urban settlements)	Daily	1km	Urban extreme heat events and urban population exposure estimates (based on 5 combined temperature-humidity thresholds)	Vector

Please note that you do not have to use these and may choose to use your own preferred data sets.