[Metadata for 'IEA EBC Annex 80 Weather data - 3B Los Angeles (Version 1.0)' (wdc-climate.de)](https://www.wdc-climate.de/ui/entry?acronym=WDTF_Annex80_build_losa_v1.0)

**Cite as**

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**Summary**

The dataset comprises three file categories: Multiyear (MY), Typical meteorological year (TMY) and Heatwave year (HWY).  
The MY files in .CSV format contain the hourly values of the bias-corrected climate projections for three 20-year reference periods: 2001-2020, 2041-2060 and 2081-2100.  
The TMYs files represent typical city meteorological conditions corresponding to historical (2001-2020), medium-term future (2041-2060) and long-term future (2081-2100) periods. The TMYs are provided in EPW format, a weather file format commonly used in building energy simulation tools such as EnergyPlus and similar.  
The HWYs, also provided in EPW format, are weather files with extreme heatwaves, i.e. the years with the most intense, most severe and longest heatwaves experienced in the three reference periods.

**Project**

[WDTF\_Annex80 (IEA EBC Annex 80 Resilient Cooling for Buildings - Weather data)](https://www.wdc-climate.de/ui/project?acronym=WDTF_Annex80)

**Additional Information**

[IEA EBC Annex 80 EPW format description](https://www.wdc-climate.de/ui/entry?acronym=WDTF_Annex80_build_EPW)[IEA EBC Annex 80 EPW variable list](https://www.wdc-climate.de/ui/entry?acronym=WDTF_Annex80_build_vars)

**Temporal Coverage**

2001-01-01 to 2100-12-31

**Use constraints**

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**Data Catalog**

World Data Center for Climate

**Access constraints**

registered users

**Size**

52.05 MiB (54579236 Byte)

**Format**

other/diverse

**Status**

completely archived

**Creation Date**

2024-02-26

**Future Review Date**

2034-02-28

**Download Permission**

Yes

|  |  |  |
| --- | --- | --- |
|  | **Variable** | **Unit** |
|  | air\_pressureCF | Pa |
|  | air\_pressure-atSurfaceCF | Pa |
|  | air\_temperature-atNearSurfaceCF | degC |
|  | dew\_point\_temperatureCF | degC |
|  | diffuse\_horizontal\_irradiance | W h m-2 |
|  | direct\_normal\_irradiance | W h m-2 |
|  | dry\_bulb\_air\_temperature | degC |
|  | global\_horizontal\_irradiance | W h m-2 |
|  | relative\_humidityCF | 0.01 |
|  | relative\_humidity-atNearSurfaceCF | 0.01 |
|  | specific\_humidity-atNearSurfaceCF | kg kg-1 |
|  | surface\_downwelling\_shortwave\_flux\_in\_airCF | W m-2 |
|  | wind\_from\_directionCF | degree |
|  | wind\_speedCF | m s-1 |
|  | wind\_speed-atNearSurfaceCF | m s-1 |