Name

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|  |

Organisation

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|  |

COSMOS-UK Site(s)

|  |
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|  |

Date Range

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|  |

Variable(s), see over

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| --- |
|  |

Interval (daily or sub-daily)

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Data Use

It is useful and interesting for us to know how the data we provide are to be used, for example the application area. Please tell us a little about how you plan on using the data.

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Please note

* [Data from COSMOS-UK up to the end of 2019](https://catalogue.ceh.ac.uk/documents/b5c190e4-e35d-40ea-8fbe-598da03a1185) are available for download from the [UKCEH Environmental Information Data Centre (EIDC)](https://eidc.ac.uk/) under an Open Government Licence.
* Reasonable requests for more recent data are considered on a case-by-case basis. These data are supplied under a more restrictive licence.
* Data may be subjected to further or revised quality control and reprocessing, and may therefore be revised at any time. You are advised to make your own checks of all data.
* UKCEH accepts no liability for the use of any data supplied.
* Information on COSMOS-UK sites, period of operation and monitored variables is available in the COSMOS-UK User Guide downloadable from the project website.

If you have questions email cosmosuk@ceh.ac.uk

Standard retrievals are available for both daily and sub-daily data which contain the variables as listed below. These standard retrievals are normally used to provide data even when only a subset of the requested variables has been requested.

Note that other variables are available; see the [COSMOS-UK User Guide](https://cosmos.ceh.ac.uk/sites/default/files/COSMOS-UK%20User%20Guide%20v3.00.pdf) for more information.

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| --- | --- | --- | --- |
| **Variables** | **Unit** | **Daily** | **Sub-daily** |
| Precipitation  | mm | total | total, 30 min |
| Absolute humidity  | gm-3 | mean | mean, 30 min |
| Relative humidity  | % | mean | mean, 30 min |
| Air temperature  | oC | mean | mean, 30 min |
| Air temperature  | oC | max | - |
| Air temperature  | oC | min | - |
| Atmospheric pressure  | hPa | mean | mean, 30 min |
| Incoming longwave radiation (corrected)  | Wm-2 | - | mean, 30 min |
| Incoming shortwave radiation  | Wm-2 | - | mean, 30 min |
| Outgoing longwave radiation (corrected)  | Wm-2 | - | mean, 30 min |
| Outgoing shortwave radiation  | Wm-2 | - | mean, 30 min |
| Net Radiation | Wm-2 | total | mean, 30 min |
| Wind direction  | ms-1 | mean | mean, 30 min |
| Wind speed  | degrees | mean | mean, 30 min |
| Snow distance corrected | mm | - | mean, 30 min |
| COSMOS sensor VWC | % | mean | mean, 1hr |
| d86 75m  | mm | - | mean, 1hr |
| Soil heat flux 1 | Wm-2 | - | mean, 30 min |
| Soil heat flux 2 | Wm-2 | - | mean, 30 min |
| Soil temperature profile (2 cm depth) | oC | - | mean, 30 min |
| Soil temperature profile (5 cm depth) | oC | - | mean, 30 min |
| Soil temperature profile (10 cm depth) | oC | - | mean, 30 min |
| Soil temperature profile (20 cm depth) | oC | - | mean, 30 min |
| Soil temperature profile (50 cm depth) | oC | - | mean, 30 min |
| Soil temperature 1 | oC | mean | mean, 30 min |
| Soil temperature 2 | oC | mean | mean, 30 min |
| Soil moisture content (nominal depth 10cm) | % | mean | mean, 30 min |
| Soil moisture content (nominal depth 10cm) | % | mean | mean, 30 min |
| Potential evaporation | mm | total | total, 1hr |
| Albedo | - | mean | - |
| Snow water equivalent | mm | mean | - |