The data variables and variable description:

The description of data variables and variables in the original data file is as follows:

Notes: The value -9999 is the error value in the system measurement when using the data.

**Rainfall\_doy\_（2014/2015）.xls**

|  |  |  |  |
| --- | --- | --- | --- |
| # | Parameter | Units | Description |
| 1 | Date | year-month-day  | NA  |
| 2 | DOY | NA | Day of year |
| 3 | Rainfall | mm | NA |

**yc\_2\_em50\_（1/2/3）\_（2014/2015）.xls**

|  |  |  |  |
| --- | --- | --- | --- |
| # | Parameter | Units | Description |
| 1 | Port1 | NA  |  10 cm depth |
| 2 | SWC | cm3/cm3 | Soil water content |
| 3 | Temp | ℃ | Soil temperature |

**yc\_2\_flux\_and\_met（2014/2015）.xls**

|  |  |  |  |
| --- | --- | --- | --- |
| # | Parameter | Units | Description |
| 1 | date | year-month-day  | NA  |
| 2 | time | Hour:Minute | NA |
| 3 | daytime | True/False | 1 means true, and 0 means false |
| 4 | co2\_flux | µmol s-1m-2 | Net ecosystem exchange |
| 5 | u\* | m s-1 | Friction wind speed |
| 6 | S | W m-2 | Global solar radiation |
| 7 | PAR\_tot | µmol s-1m-2 | Incident total photosynthetically active radiation |
| 8 | air\_temperature | °C | Air temperature |
| 9 | RH | % | Relative humidity |
| 10 | VPD | KPa | Vapor pressure deficit |