Environment Agency

Quality Controlled Daily and Monthly Raingauge Data from Environment Agency Gauges (AfA148)

Dataset Description

The Environment Agency's storage raingauge network (currently approximately 2,400) measures rainfall at a daily or a monthly time step. This excludes all rain gauges that do not comply with the relevant British Standards. Measurements of the amount of precipitation (mm) are captured in storage rain gauges which are mainly read by volunteers. At the end of each month the data is returned to the Environment Agency where it is manually entered into the WISKI archive. Data from these gauges is then sent to the Met Office (MO) for quality control along with daily totals from the Environment Agency's Tipping Bucket Raingauges (TBRs). The Met Office append the data from the Environment Agency with daily/monthly data from a smaller number of their own storage and TBRs. They then undertake the Quality Control checks and provide the checked dataset back to the Environment Agency, typically 4 months after collection, for historic storage on WISKI.

The dataset covered here comprises only checked historic time daily and monthly series data from the EA storage and TBR rain gauges (85% of the total).

Price Category: Zero

Attribute Name	Attribute Description
Date	Date file created (date of data extraction)
Time	Time file created (time of data extraction)
Flags/comments	Comment or flag code (e.g. code for QC)
Station reference	Reference based on combination of letters and numbers [unique identifier]
Region	Agency Region in which site is located
NGR	British National Grid reference
Catchment	Name of river catchment in which site is located
Station name	Name of station from WISKI system
Values/Parameters	i.e. storage rainfall
Qualifier	More detailed meta data relating to the value/parameter above i.e. logged, or type of gauge
Data type	Definition of data i.e. storage
Period	Time interval of measurement i.e. every day
Units	Measurement units i.e. mm
Start Date	Date of first parameter in file
Start Time	Time of first parameter in file
End Date	Date of last parameter in file
End Time	Time of last parameter in file (may be identified as 'last collected result' on the screen if transferred data is uploaded to the web-site automatically)