

High Frequency Real-time and Near-real-time Raingauge Data (AfA147)

Dataset Description

The Environment Agency's real time rain gauge network measures rainfall in real time with the information made available via the telemetry and the Data Distribution server. Measurements of the amount of precipitation (mm) are captured in tipping bucket gauges. Each gauge provides event rainfall data (time of tip) as it happens.

The real time gauges, approximately 160, are a subset of the Tipping Bucket Raingauge (TBR) network and are available through the Data Distribution Server. The full dataset, where updates are provided at an hourly frequency or longer, is available in AfA236 Real-time and Near-real-time Raingauge Data.

Continuous rainfall information is also stored on WISKI and can be provided in non-real time. This is provided to the Met Office for quality control along with all the data from our registered daily storage gauges. It is therefore not covered by this AfA. The quality controlled dataset is covered in AFA148 Quality Controlled Daily and Monthly Raingauge Data from Environment Agency Gauges.

Price Category: Medium

Attribute Name	Attribute Description
Date	Date file created
Time	Time file created
Flags/comments	Comment or flag code (e.g. code for QC)
Identifier	e.g.NWRFHSCXAS1
Station reference	Reference based on combination of letters and numbers [unique identifier]
Region	Agency Region in which site is located
Station name	Name of station from WISKI system
NGR	British National Grid reference
Catchment	Name of river catchment in which site is located
Values/Parameters	i.e. storage rainfall
Qualifier	More detailed meta data relating to the value/parameter above i.e. tipping bucket rain gauge
Data type	Definition of data i.e. event
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)