

CL.Rain_Od - Rainfall gauges network, Donga catchment

General information

Dataset name: CL.Rain_Od - Rainfall gauges network, Donga catchment
Created on: 2006-01-19

Contact(s)

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Period

Date begin (yyyy-mm-jj): 1999-01-01
Date end (yyyy-mm-jj): 2012-12-14

Project(s)

AMMA > AMMA-LOP

Data description

Abstract

Documentation of rainfall variability on the Donga supersite. One aim is to provide rainfall inputs for computing the water balance at the rain event and larger time scales; a second aim is to characterize the statistical properties of the rainfields and to study their scaling properties. Also used in combination with EF2 (XPORT radar)

Observing strategy

Every GPS station provides raw data that must be transferred to the analysis center (in Paris) to produce precipitable water vapor contents. The timeliness of water vapor products depends on the communication links available. For the EOP, a maximum of +72H delay should be available (using Inmarsat phones). For the SOP, the possibility for a +12H delay is under study using cell-phones.

Instrument information

Sensor

Instrument type: RAIN GAUGES
Manufacturer: OTT
Model: OTT250

Geographic information

Donga catchment

Location name:	Donga catchment
Platform type:	GROUND STATIONS
West bounding coordinate (°):	1.5524
East bounding coordinate (°):	2.9438
North bounding coordinate (°):	10.2304
South bounding coordinate (°):	8.9138
Altitude min:	314
Altitude max:	652

Measured parameters

Precipitation Amount (previous 5 minutes)

Parameter name:	Precipitation Amount (previous 5 minutes)
Parameter keyword:	Atmosphere > Precipitation
Unit:	millimeters - mm
Date begin (yyyy-mm-jj):	1999-01-01
Date end (yyyy-mm-jj):	2012-12-14

Precipitation Amount (previous hour)

Parameter name:	Precipitation Amount (previous hour)
Parameter keyword:	Atmosphere > Precipitation
Unit:	millimeters - mm
Date begin (yyyy-mm-jj):	1999-01-01
Date end (yyyy-mm-jj):	2012-12-14

Precipitation Amount (previous 24 hours)

Parameter name:	Precipitation Amount (previous 24 hours)
Parameter keyword:	Atmosphere > Precipitation
Unit:	millimeters - mm
Date begin (yyyy-mm-jj):	1999-01-01
Date end (yyyy-mm-jj):	2012-12-14

Data use information

Use constraints:

Permission is granted to use these data in research and publications when accompanied by the following statement: "The AMMA-CATCH regional observing system was set up thanks to an incentive funding of the French Ministry of Research that allowed pooling together various pre-existing small scale observing setups. The continuity and long term perenity of the measurements are made possible by an undisrupted IRD funding since 1990 and by a continuous CNRS-INSU funding since 2005."