

CE.SWc_Nc - Soil moisture monitoring, Niger meso-site

General information

Dataset name: CE.SWc_Nc - Soil moisture monitoring, Niger meso-site
Created on: 2005-12-02

Contact(s)

Pellarin Thierry - LTHE - pellarin@ujf-grenoble.fr (PI or Lead scientist)
Cappelaere Bernard - IRD Montpellier - bernard.cappelaere@ird.fr (PI or Lead scientist)

Period

Date begin (yyyy-mm-jj): 2005-01-01
Date end (yyyy-mm-jj): 2009-12-31

Project(s)

AMMA > AMMA-EOP

Data description

Abstract

Documentation of soil water content and of soil hydrodynamic behaviour from surface to 2.5 m deep. Knowledge of main infiltration areas and of the speed of water front progression.

Observing strategy

Documenting various soil cover types and presumed preferential infiltration zones.

Site information

Location name: Tondi Kiboro local site - Wankama local site
Platform type: GROUND STATIONS
West bounding coordinate (°): 2.63
East bounding coordinate (°): 2.7091
North bounding coordinate (°): 13.6456
South bounding coordinate (°): 13.5409
Altitude min: 238
Altitude max: 238

Instrument 1

Sensor

Manufacturer:	Campbell
Model:	CS616

Measured parameter: Soil Moisture/CS616 Period

Parameter name:	Soil Moisture/CS616 Period
Parameter keyword:	Land Surface > Soils > Soil Temperature
Unit:	microseconds - μ s
Date begin (yyyy-mm-jj):	2005-01-01
Date end (yyyy-mm-jj):	2009-12-31

Instrument 2 (SOIL MOISTURE PROBE)

Sensor

Instrument type:	SOIL MOISTURE PROBE
Manufacturer:	Campbell
Model:	CS616

Measured parameter: Soil Moisture/CS615 Period

Parameter name:	Soil Moisture/CS615 Period
Parameter keyword:	Land Surface > Soils
Unit:	milliseconds - ms
Date begin (yyyy-mm-jj):	2005-01-01
Date end (yyyy-mm-jj):	2009-12-31

Instrument 3

Sensor

Manufacturer:	Watermark
Model:	Irrrometer

Measured parameter: Soil Water/Watermark Conductance

Parameter name:	Soil Water/Watermark Conductance
Parameter keyword:	Land Surface > Soils
Unit:	millisiemens - mS
Date begin (yyyy-mm-jj):	2005-01-01
Date end (yyyy-mm-jj):	2009-12-31

Instrument 4 (Thermometers)

Sensor

Instrument type:	Thermometers
Manufacturer:	Campbell
Model:	T108

Measured parameter: Soil Temperature

Parameter name:	Soil Temperature
Parameter keyword:	Land Surface > Soils
Unit:	Degrees Celsius - °C
Date begin (yyyy-mm-jj):	2005-01-01
Date end (yyyy-mm-jj):	2009-12-31

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."
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