

# AL.Met\_Od - Meteorological station, Djougou

## General information

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Dataset name: AL.Met\_Od - Meteorological station, Djougou  
Created on: 2006-01-17

### Contact(s)

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Galle Sylvie - LTHE - sylvie.galle@ird.fr (PI or Lead scientist)

### Period

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Date begin (yyyy-mm-jj): 2002-03-01  
Date end (yyyy-mm-jj): 2009-12-31

### Project(s)

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AMMA > AMMA-LOP

## Data description

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### Abstract

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Automated meteorological station (Campbell) measuring wind at 2m (speed and direction), air temperature and relative humidity, atmospheric pressure, net and global radiation. Located in Djougou-town.  
Associated with raingauge, allows for atmospheric forcing monitoring and PET estimation.

### Observing strategy

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Integration of instantaneous measurement on a 15 minutes time step.

## Geographic information

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### Djougou-town

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Location name: Djougou-town  
Platform type: GROUND STATIONS  
West bounding coordinate (°): 1.6615  
East bounding coordinate (°): 1.6615  
North bounding coordinate (°): 9.692  
South bounding coordinate (°): 9.692  
Altitude min: 438  
Altitude max: 438

## Measured parameters

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### Air Temperature

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Parameter name:	Air Temperature
Parameter keyword:	Atmosphere > Atmospheric Temperature > Surface Temperature > Air Temperature
Unit:	Degrees Celsius - °C
Date begin (yyyy-mm-jj):	2002-03-01
Date end (yyyy-mm-jj):	2009-12-31

### Incoming Shortwave Radiation

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Parameter name:	Incoming Shortwave Radiation
Parameter keyword:	Atmosphere > Atmospheric Radiation
Unit:	Watt per square meter - W.m-2
Date begin (yyyy-mm-jj):	2002-03-01
Date end (yyyy-mm-jj):	2009-12-31

### Net Radiation

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Parameter name:	Net Radiation
Parameter keyword:	Atmosphere > Atmospheric Radiation > Net Radiation
Unit:	Watt per square meter - W.m-2
Date begin (yyyy-mm-jj):	2002-03-01
Date end (yyyy-mm-jj):	2009-12-31

### Wind Direction

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Parameter name:	Wind Direction
Parameter keyword:	Atmosphere > Atmospheric Winds > Wind Direction
Unit:	degrees - degrees
Date begin (yyyy-mm-jj):	2002-03-01
Date end (yyyy-mm-jj):	2009-12-31

### Air Pressure

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Parameter name:	Air Pressure
Parameter keyword:	Atmosphere > Atmospheric Pressure
Date begin (yyyy-mm-jj):	2002-03-01
Date end (yyyy-mm-jj):	2009-12-31

### Standard Deviation of Wind Direction

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Parameter name:	Standard Deviation of Wind Direction
Parameter keyword:	Atmosphere > Atmospheric Winds
Unit:	degrees - degrees
Date begin (yyyy-mm-jj):	2002-03-01

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

## Wind Speed

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Parameter name: Wind Speed  
Parameter keyword: Atmosphere > Atmospheric Winds > Wind Speed  
Unit: meters per second - m/s  
Date begin (yyyy-mm-jj): 2002-03-01  
Date end (yyyy-mm-jj): 2009-12-31

## Humidity

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Parameter name: Humidity  
Parameter keyword: Atmosphere > Atmospheric Water Vapor > Water Vapor Indicators > Humidity  
Unit: percent - %  
Date begin (yyyy-mm-jj): 2002-03-01  
Date end (yyyy-mm-jj): 2009-12-31

## Data use information

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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."