

AS.smet_S - Surface meteorology station, ARM station, Niamey

General information

Dataset name: AS.smet_S - Surface meteorology station, ARM station, Niamey
Created on: 2006-01-13

Contact(s)

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Period

Date begin (yyyy-mm-jj): 2006-01-01
Date end (yyyy-mm-jj):

Project(s)

AMMA > AMMA-SOP

Data description

Abstract

The Surface Meteorology station (SMET) uses mainly conventional in situ sensors to obtain 1-minute statistics of surface wind speed, wind direction, air temperature, relative humidity, barometric pressure, and rain-rate.

Observing strategy

Measurements are made once a minute.

Instrument information

Sensor

Instrument type: MMS > Meteorological Measurement System
Model: Surface Meteorology Station (SMET)

Geographic information

Niamey

Location name: Niamey
Platform type: GROUND STATIONS
West bounding coordinate (°): 2.1758

East bounding coordinate (°): 2.1758
North bounding coordinate (°): 13.4773
South bounding coordinate (°): 13.4773

Measured parameters

Rain intensity

Parameter name: Rain intensity
Parameter keyword: Atmosphere > Precipitation
Unit: millimeter per hour - mm/h
Date begin (yyyy-mm-jj): 2006-01-01

Air Pressure

Parameter name: Air Pressure
Parameter keyword: Atmosphere > Atmospheric Pressure
Unit: Not communicated - N.C
Date begin (yyyy-mm-jj): 2006-01-01

Relative humidity

Parameter name: Relative humidity
Parameter keyword: Atmosphere > Atmospheric Water Vapor
Unit: percent - %
Date begin (yyyy-mm-jj): 2006-01-01

Air Temperature

Parameter name: Air Temperature
Parameter keyword: Atmosphere > Atmospheric Temperature
Unit: Not communicated - N.C
Date begin (yyyy-mm-jj): 2006-01-01

Wind Speed

Parameter name: Wind Speed
Parameter keyword: Atmosphere > Atmospheric Winds > Wind Speed
Unit: meter per second - m/s
Date begin (yyyy-mm-jj): 2006-01-01

Wind Direction

Parameter name: Wind Direction
Parameter keyword: Atmosphere > Atmospheric Winds > Wind Direction
Unit: °North - °North
Date begin (yyyy-mm-jj): 2006-01-01

Data use information

Use constraints:	AMMA data policy
Data policy:	AMMA data policy
Database:	ARM Archive