AS.Rs_D - Radiosondes, Dano, Burkina Faso

General information

Dataset name:	AS.Rs_D - Radiosondes, Dano, Burkina Faso
Created on:	2006-03-20

Contact(s)

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Period

Date begin (yyyy-mm-jj):	2006-05-12
Date end (yyyy-mm-jj):	2006-07-05

Project(s)

AMMA > AMMA-SOP

Data description

Abstract

Measurements of meteorological conditions in the troposphere, data will be transmitted by GTS. The radiosonde system provides the information about the conditions in the whole troposphere, and, in combination with the radiosonde network, the information about the spatial distribution of the meteorological parameters and delivers the data for the analysis of MCS, monsoon and convective systems. In combination with surface fluxes, sodar and satellite products (surface temperature) the development of the boundary layer relative to the occurrence of mesoscale convective systems will be investigated.

Observing strategy

GPS-radiosounding system for temperature, humidity, wind speed and wind direction. Observations with temporal resolution of 3 to 6 hours for SOP1a and SOP2a2.

Instrument information

Sensor

Instrument type:	RADIOSONDES
Manufacturer:	GRAW
Model:	DFM-90 (Germany)

Geographic information

DANO

Location name:	DANO
Plateform type:	GROUND STATIONS

Measured parameters

Air Temperature

Parameter name:	Air Temperature
Parameter keyword:	Atmosphere > Atmospheric Temperature > Surface Temperature > Air Temperature
Unit:	Degrees Celsius - °C
Date begin (yyyy-mm-jj):	2006-05-12
Date end (yyyy-mm-jj):	2006-07-05

Dew Point Temperature

Parameter name:	Dew Point Temperature
Parameter keyword:	Atmosphere > Atmospheric Water Vapor > Water Vapor Indicators > Dew Point Temperature
Unit:	Degrees Celsius - °C
Date begin (yyyy-mm-jj):	2006-05-12
Date end (yyyy-mm-jj):	2006-07-05

Air Pressure

Parameter name:	Air Pressure
Parameter keyword:	Atmosphere > Atmospheric Pressure > Atmospheric Pressure Measurements
Unit:	millibars - mbar
Date begin (yyyy-mm-jj):	2006-05-12
Date end (yyyy-mm-jj):	2006-07-05

Wind Direction

Parameter name:	Wind Direction
Parameter keyword:	Atmosphere > Atmospheric Winds > Wind Direction
Unit:	degrees - degrees
Date begin (yyyy-mm-jj):	2006-05-12
Date end (yyyy-mm-jj):	2006-07-05

Wind Speed

Parameter name:	Wind Speed
Parameter keyword:	Atmosphere > Atmospheric Winds > Wind Speed
Unit:	meters per second - m/s
Date begin (yyyy-mm-jj):	2006-05-12
Date end (yyyy-mm-jj):	2006-07-05

GPS altitude

Parameter name:	GPS altitude
Parameter keyword:	Atmosphere > Altitude
Unit:	meters
Date begin (yyyy-mm-jj):	2006-05-12
Date end (yyyy-mm-jj):	2006-07-05

Humidity

Parameter name:	Humidity
Parameter keyword:	Atmosphere > Atmospheric Water Vapor > Water Vapor Indicators > Humidity
Unit:	percent - %
Date begin (yyyy-mm-jj):	2006-05-12
Date end (yyyy-mm-jj):	2006-07-05

Data use information

Use constraints:	AMMA data policy
Data policy:	AMMA data policy