

# 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)

---

Kalthoff Norbert - FZK - Norbert.kalthoff@imk.fzk.de (PI or Lead scientist)

### 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  
Platform 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