

AS.Sodar_D - Sodar, Dano, Burkina Faso

General information

Dataset name: AS.Sodar_D - Sodar, Dano, Burkina Faso
Created on: 2007-04-27

Contact(s)

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Period

Date begin (yyyy-mm-jj): 2006-06-01
Date end (yyyy-mm-jj): 2006-08-18

Project(s)

AMMA > AMMA-SOP

Data description

Abstract

Continuous measurement of the boundary layer growth, wind speed and wind direction. The SODAR provides the information about conditions in the boundary layer and Monsoon onset. In combination with surface fluxes, radiosoundings and satellite products (surface temperature) the development of the boundary layer relative to the occurrence of mesoscale convective systems will be investigated.

Observing strategy

Continuous observation with high temporal resolution (15 min), vertical resolution 25 m

Instrument information

Sensor

Instrument type: SODAR > Sound Detection and Ranging
Manufacturer: Radian
Model: PA 600

Geographic information

Dano, Burkina Faso

Location name:	Dano, Burkina Faso
Platform type:	GROUND STATIONS
West bounding coordinate (°):	-3.0769
East bounding coordinate (°):	-3.0769
North bounding coordinate (°):	11.1638
South bounding coordinate (°):	11.1638
Altitude min:	350
Altitude max:	350

Measured parameters

Wind Direction

Parameter name:	Wind Direction
Parameter keyword:	Atmosphere > Atmospheric Winds > Wind Direction
Unit:	degrees - degrees
Date begin (yyyy-mm-jj):	2006-06-01
Date end (yyyy-mm-jj):	2006-08-18

Wind Speed

Parameter name:	Wind Speed
Parameter keyword:	Atmosphere > Atmospheric Winds > Wind Speed
Unit:	meters per second - m/s
Date begin (yyyy-mm-jj):	2006-06-01
Date end (yyyy-mm-jj):	2006-08-18

Data use information

Use constraints:	AMMA data policy
Data policy:	AMMA data policy
Database:	AMMA database
Original data format(s):	ascii text