

AE.RS_3 - Radiosondes - Northern Array

General information

Dataset name: AE.RS_3 - Radiosondes - Northern Array
Created on: 2006-01-10

Contact(s)

Parker Doug - IAS - doug@env.leeds.ac.uk (PI or Lead scientist)

Period

Date begin (yyyy-mm-jj): 2005-01-01
Date end (yyyy-mm-jj): 2007-12-31

Project(s)

AMMA > AMMA-EOP

Data description

Abstract

(i) To measure fluxes and other diagnostics in the northern Sahel; (ii) to observe the structure of the ITF and southern heat low dynamics; (iii) to observe the dynamical structures of the "northern track" of African Easterly Waves.

Observing strategy

Routine sampling at 1, 2 or 4 soundings per day (depending on station), with intensive phases of up to 8 soundings per day associated with I5 IOP patterns (see TT8)

Instrument information

Sensor

Instrument type: RADIOSONDES
Manufacturer: Vaisala
Model: RS92

Geographic information

Northern Array

Location name:	Northern Array
Platform type:	GROUND STATIONS
West bounding coordinate (°):	-22.95
East bounding coordinate (°):	47.4833
North bounding coordinate (°):	36.8333
South bounding coordinate (°):	-19.9833
Altitude min:	3
Altitude max:	35699

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):	2005-01-01
Date end (yyyy-mm-jj):	2007-12-31

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):	2005-01-01
Date end (yyyy-mm-jj):	2007-12-31

Air Pressure

Parameter name:	Air Pressure
Parameter keyword:	Atmosphere > Atmospheric Pressure > Atmospheric Pressure Measurements
Unit:	millibars - mbar
Date begin (yyyy-mm-jj):	2005-01-01
Date end (yyyy-mm-jj):	2007-12-31

Wind Direction

Parameter name: Wind Direction
Parameter keyword: Atmosphere > Atmospheric Winds > Wind Direction
Unit: degrees - degrees
Date begin (yyyy-mm-jj): 2005-01-01
Date end (yyyy-mm-jj): 2007-12-31

Wind Speed

Parameter name: Wind Speed
Parameter keyword: Atmosphere > Atmospheric Winds > Wind Speed
Unit: meters per second - m/s
Date begin (yyyy-mm-jj): 2005-01-01
Date end (yyyy-mm-jj): 2007-12-31

Humidity

Parameter name: Humidity
Parameter keyword: Atmosphere > Atmospheric Water Vapor > Water Vapor Indicators > Humidity
Unit: percent - %
Date begin (yyyy-mm-jj): 2005-01-01
Date end (yyyy-mm-jj): 2007-12-31

Data use information

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