

AS.RS_2 - Radiosondes - SOP Northern Quadrilateral

General information

Dataset name: AS.RS_2 - Radiosondes - SOP Northern Quadrilateral
Created on: 2006-06-01

Contact(s)

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Period

Date begin (yyyy-mm-jj): 2006-01-01
Date end (yyyy-mm-jj): 2006-12-31

Project(s)

AMMA > AMMA-SOP

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: Modem
Model: SR2K2

Geographic information

Northern Quadrilateral

Location name:	Northern Quadrilateral
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:	197.69
Altitude max:	41203.14

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):	2006-01-01
Date end (yyyy-mm-jj):	2006-12-31

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):	2006-01-01
Date end (yyyy-mm-jj):	2006-12-31

Geopotential

Parameter name:	Geopotential
Parameter keyword:	Atmosphere > Altitude
Unit:	square meters per square second - m2/s2
Date begin (yyyy-mm-jj):	2006-01-01
Date end (yyyy-mm-jj):	2006-12-31

Wind Direction

Parameter name:	Wind Direction
Parameter keyword:	Atmosphere > Atmospheric Winds > Wind Direction
Unit:	degrees - degrees

Date begin (yyyy-mm-jj): 2006-01-01
Date end (yyyy-mm-jj): 2006-12-31

Wind Speed

Parameter name: Wind Speed
Parameter keyword: Atmosphere > Atmospheric Winds > Wind Speed
Unit: meters per second - m/s
Date begin (yyyy-mm-jj): 2006-01-01
Date end (yyyy-mm-jj): 2006-12-31

Air Pressure

Parameter name: Air Pressure
Parameter keyword: Atmosphere > Atmospheric Pressure
Date begin (yyyy-mm-jj): 2006-01-01
Date end (yyyy-mm-jj): 2006-12-31

Vertical Wind Motion

Parameter name: Vertical Wind Motion
Parameter keyword: Atmosphere > Atmospheric Winds > Vertical Wind Motion
Unit: meters per second - m/s
Date begin (yyyy-mm-jj): 2006-01-01
Date end (yyyy-mm-jj): 2006-12-31

GPS altitude

Parameter name: GPS altitude
Parameter keyword: Atmosphere > Altitude
Unit: meters
Date begin (yyyy-mm-jj): 2006-01-01
Date end (yyyy-mm-jj): 2006-12-31

Humidity

Parameter name: Humidity
Parameter keyword: Atmosphere > Atmospheric Water Vapor > Water Vapor Indicators > Humidity
Unit: percent - %
Date begin (yyyy-mm-jj): 2006-01-01
Date end (yyyy-mm-jj): 2006-12-31

Data use information

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