

AS.RS_3 - Radiosondes - SOP Western Quadrilateral

General information

Dataset name: AS.RS_3 - Radiosondes - SOP Western Quadrilateral
Created on: 2006-01-10

Contact(s)

Janicot Serge - LODYC - Serge.Janicot@locean-ipsl.upmc.fr (PI or Lead scientist)

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 this quadrilateral array; (ii) to observe the inflow of moisture from the western coast of West Africa; (iii) to observe the environmental conditions of the Mesoscale Convective Systems in the land-ocean transition context.

Observing strategy

Routine sampling at 1, 2 or 4 soundings per day (depending on station), with possible intensive phases of up to 8 soundings per day (see TT9)

Instrument information

Sensor

Instrument type: RADIOSONDES
Manufacturer: Modem
Model: SR2K2

Geographic information

SOP Western Quadrilateral

Location name:	SOP Western 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:	3
Altitude max:	235564.81

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

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

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

Data use information

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