

AS.RADK_Od - Micro rain radar, Nantchagori, Ouémé meso-scale site

General information

Dataset name: AS.RADK_Od - Micro rain radar, Nantchagori, Ouémé meso-scale site
Created on: 2006-01-10

Contact(s)

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Period

Date begin (yyyy-mm-jj): 2006-03-22
Date end (yyyy-mm-jj): 2006-11-02

Project(s)

AMMA > AMMA-SOP

Data description

Abstract

Continuous sampling of the vertical distribution of precipitation. Observation of the vertically resolved Doppler spectrum to infer drop size distribution, at higher altitudes: hydrometeor phase, melting layer + comparisons between weather radar and rain gauges. Validation of precipitation retrievals by satellite. Investigation of cloud microphysics in conjunction with polarimetric radar and microwave radiometer LWP.

Observing strategy

Continuous observation with high temporal resolution (10 s) for one year (Jan. 2006-Dec. 2006).

Instrument information

Sensor

Instrument type: DISDROMETERS
Manufacturer: METEK
Model: MRR-2

Geographic information

NANGATCHORI

Location name:	NANGATCHORI
Platform type:	GROUND STATIONS
West bounding coordinate (°):	1.741
East bounding coordinate (°):	1.741
North bounding coordinate (°):	9.647
South bounding coordinate (°):	9.647
Altitude min:	415
Altitude max:	415

Measured parameters

Radar Reflectivity

Parameter name:	Radar Reflectivity
Parameter keyword:	Spectral/Engineering > Radar > Radar Reflectivity
Unit:	dBZ - dBZ
Date begin (yyyy-mm-jj):	2006-03-22
Date end (yyyy-mm-jj):	2006-11-02

Fall velocity

Parameter name:	Fall velocity
Parameter keyword:	Atmosphere > Precipitation
Unit:	meters per second - m/s
Date begin (yyyy-mm-jj):	2006-03-22
Date end (yyyy-mm-jj):	2006-11-02

Liquid Water Content

Parameter name:	Liquid Water Content
Parameter keyword:	Atmosphere > Precipitation
Unit:	grams per cubic meter - g.m-3
Date begin (yyyy-mm-jj):	2006-03-22
Date end (yyyy-mm-jj):	2006-11-02

Precipitation Rate

Parameter name:	Precipitation Rate
Parameter keyword:	Atmosphere > Precipitation > Precipitation Rate
Unit:	millimeter per hour - mm/h
Date begin (yyyy-mm-jj):	2006-03-22
Date end (yyyy-mm-jj):	2006-11-02

Data use information

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