

# AS.wacr\_S - W-band cloud radar, ARM station, Niamey

## General information

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Dataset name: AS.wacr\_S - W-band cloud radar, ARM station, Niamey  
Created on: 2006-01-13

### Contact(s)

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Slingo Anthony - ESSC - as@mail.nerc-essc.ac.uk (PI or Lead scientist)

### Period

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

### Project(s)

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AMMA > AMMA-SOP

## Data description

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### Abstract

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The W-Band Cloud radar determines cloud location, reflectivity, and target Doppler velocity. Data from the radar are used to remotely retrieve information about the microphysical structure of the cloud in the column.

### Observing strategy

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Measurements made every 2 seconds.

## Instrument information

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### Sensor

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Instrument type: RADAR > Radio Detection and Ranging  
Model: W-Band cloud radar

## Geographic information

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### Niamey

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Location name: Niamey  
Platform type: GROUND STATIONS  
West bounding coordinate (°): 2.1758

East bounding coordinate (°):	2.1758
North bounding coordinate (°):	13.4773
South bounding coordinate (°):	13.4773

## Measured parameters

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### Reflectivity

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Parameter name:	Reflectivity
Parameter keyword:	Spectral/Engineering > Radar > Radar Reflectivity
Unit:	Not communicated - N.C
Date begin (yyyy-mm-jj):	2006-01-01

### Cloud location

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Parameter name:	Cloud location
Parameter keyword:	Atmosphere > Clouds
Unit:	Not communicated - N.C
Date begin (yyyy-mm-jj):	2006-01-01

## Data use information

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