

# OS.RS\_RonBrown - Radiosondes, Ronald H. Brown ship, Tropical Atlantic Ocean

## General information

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Dataset name: OS.RS\_RonBrown - Radiosondes, Ronald H. Brown ship, Tropical Atlantic Ocean

Created on: 2008-01-25

### Contact(s)

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Nalli Nick - NOAA/NESDIS E/RA1 - Nick.Nalli@noaa.gov (PI or Lead scientist)

### Period

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Date begin (yyyy-mm-jj): 2006-05-28

Date end (yyyy-mm-jj): 2006-07-14

### Project(s)

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AMMA > AMMA-SOP

## Data description

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### Abstract

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Vaisala RS92 rawinsonde observations (RAOBs) launched from the NOAA Ship Ronald H. Brown during the 2006 AMMA/AEROSE-II campaign in the Atlantic Ocean. The sonde data include soundings of pressure, temperature and moisture (PTU), along with GPS-derived wind vectors.

### Observing strategy

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2006 AMMA [African Monsoon Multidisciplinary Analysis] / AEROSE-II [Aerosol and Ocean Science Expedition II] cruise aboard NOAA Ship Ronald H. Brown in the Tropical Atlantic Ocean.

Leg 1: 27 May to 17 June 2006.

Leg 2: 23 June to 14 July 2006.

Low resolution profiles are sent in real time to the GTS for assimilation into the numerical weather prediction models. Here the 2s resolution profiles are archived.

## Instrument information

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### Sensor

Instrument type:	RADIOSONDES
Manufacturer:	Vaisala
Model:	RS92

## Geographic information

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### RONALD H. BROWN

Location name:	RONALD H. BROWN
Platform type:	SHIPS

## Measured parameters

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### 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):	2006-05-28
Date end (yyyy-mm-jj):	2006-07-14

### Air Temperature

Parameter name:	Air Temperature
Parameter keyword:	Atmosphere > Atmospheric Temperature > Surface Temperature > Air Temperature
Unit:	Degrees Celsius - °C
Date begin (yyyy-mm-jj):	2006-05-28
Date end (yyyy-mm-jj):	2006-07-14

### Air Pressure

Parameter name:	Air Pressure
Parameter keyword:	Atmosphere > Atmospheric Pressure > Atmospheric Pressure Measurements
Unit:	millibars - mbar
Date begin (yyyy-mm-jj):	2006-05-28
Date end (yyyy-mm-jj):	2006-07-14

## Wind Speed

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Parameter name: Wind Speed  
Parameter keyword: Atmosphere > Atmospheric Winds > Wind Speed  
Unit: meters per second - m/s  
Date begin (yyyy-mm-jj): 2006-05-28  
Date end (yyyy-mm-jj): 2006-07-14

## Wind Direction

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Parameter name: Wind Direction  
Parameter keyword: Atmosphere > Atmospheric Winds > Wind Direction  
Unit: degrees - degrees  
Date begin (yyyy-mm-jj): 2006-05-28  
Date end (yyyy-mm-jj): 2006-07-14

## Humidity

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Parameter name: Humidity  
Parameter keyword: Atmosphere > Atmospheric Water Vapor > Water Vapor Indicators > Humidity  
Unit: percent - %  
Date begin (yyyy-mm-jj): 2006-05-28  
Date end (yyyy-mm-jj): 2006-07-14

## Data use information

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Use constraints: AMMA data policy  
Data policy: AMMA data policy  
Original data format(s): ascii text