

AS.D-F20-NAV_MET - Airborne meteorological measurements

General information

Dataset name: AS.D-F20-NAV_MET - Airborne meteorological measurements
Created on: 2007-02-07

Contact(s)

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Period

Date begin (yyyy-mm-jj): 2006-08-01
Date end (yyyy-mm-jj): 2006-08-18

Project(s)

AMMA > AMMA-SOP

Data description

Abstract

Investigation of the impact of convection on the composition of the atmosphere in Westafrica

Observing strategy

Measurements on board the DLR research aircraft Falcon in fresh and aged outflow of convection and long-range flights accross Westafrica

Geographic information

DLR-FALCON 20

Location name: DLR-FALCON 20
Plateform type: AIRCRAFT
West bounding coordinate (°): -10.0257
East bounding coordinate (°): 11.3667
North bounding coordinate (°): 48.1047
South bounding coordinate (°): 3.9487
Altitude min: 72.7
Altitude max: 12696

Measured parameters

Air Pressure

Parameter name: Air Pressure
Parameter keyword: Atmosphere > Atmospheric Pressure > Atmospheric Pressure Measurements
Unit: millibars - mbar
Date begin (yyyy-mm-jj): 2006-08-01
Date end (yyyy-mm-jj): 2006-08-18

Total Temperature

Parameter name: Total Temperature
Parameter keyword: Spectral/Engineering > Sensor Characteristics > Total Temperature
Unit: Degrees Celsius - °C
Date begin (yyyy-mm-jj): 2006-08-01
Date end (yyyy-mm-jj): 2006-08-18

Pressure altitude

Parameter name: Pressure altitude
Parameter keyword: Atmosphere > Altitude
Unit: meters
Date begin (yyyy-mm-jj): 2006-08-01
Date end (yyyy-mm-jj): 2006-08-18

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): 2006-08-01
Date end (yyyy-mm-jj): 2006-08-18

V Wind component

Parameter name: V Wind component
Parameter keyword: Atmosphere > Atmospheric Winds
Unit: meters per second - m/s
Date begin (yyyy-mm-jj): 2006-08-01
Date end (yyyy-mm-jj): 2006-08-18

Wind Speed

Parameter name: Wind Speed
Parameter keyword: Atmosphere > Atmospheric Winds > Wind Speed
Unit: meters per second - m/s
Date begin (yyyy-mm-jj): 2006-08-01
Date end (yyyy-mm-jj): 2006-08-18

Mixing Ratio

Parameter name: Mixing Ratio
Parameter keyword: Atmosphere > Atmospheric Water Vapor
Unit: grams per kilogram - g/kg
Date begin (yyyy-mm-jj): 2006-08-01
Date end (yyyy-mm-jj): 2006-08-18

U Wind component

Parameter name: U Wind component
Parameter keyword: Atmosphere > Atmospheric Winds
Unit: meters per second - m/s
Date begin (yyyy-mm-jj): 2006-08-01
Date end (yyyy-mm-jj): 2006-08-18

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): 2006-08-01
Date end (yyyy-mm-jj): 2006-08-18

Wind Direction

Parameter name: Wind Direction
Parameter keyword: Atmosphere > Atmospheric Winds > Wind Direction
Unit: degrees - degrees
Date begin (yyyy-mm-jj): 2006-08-01
Date end (yyyy-mm-jj): 2006-08-18

GPS altitude

Parameter name: GPS altitude
Parameter keyword: Atmosphere > Altitude
Unit: meters
Date begin (yyyy-mm-jj): 2006-08-01
Date end (yyyy-mm-jj): 2006-08-18

Virtual Temperature

Parameter name: Virtual Temperature
Parameter keyword: Atmosphere > Atmospheric Temperature > Virtual Temperature
Unit: Degrees Celsius - °C
Date begin (yyyy-mm-jj): 2006-08-01
Date end (yyyy-mm-jj): 2006-08-18

Air Temperature

Parameter name: Air Temperature
Parameter keyword: Atmosphere > Atmospheric Temperature > Surface Temperature > Air Temperature
Unit: Degrees Celsius - °C
Date begin (yyyy-mm-jj): 2006-08-01
Date end (yyyy-mm-jj): 2006-08-18

Potential Temperature

Parameter name: Potential Temperature
Parameter keyword: Atmosphere > Atmospheric Temperature > Surface Temperature > Potential Temperature
Unit: Degrees Celsius - °C
Date begin (yyyy-mm-jj): 2006-08-01
Date end (yyyy-mm-jj): 2006-08-18

Humidity

Parameter name: Humidity
Parameter keyword: Atmosphere > Atmospheric Water Vapor > Water Vapor Indicators > Humidity
Unit: percent - %
Date begin (yyyy-mm-jj): 2006-08-01
Date end (yyyy-mm-jj): 2006-08-18

Data use information

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