

AS.D-F20-CHEM - Airborne chemistry measurements

General information

Dataset name: AS.D-F20-CHEM - Airborne chemistry 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 onboard the DLR Research Aircraft Falcon including observations in fresh and aged outflow of convection, and north-south long range flights across Westafrica

Instrument information

Sensor

Manufacturer: Thermo

Geographic information

DLR-FALCON 20

Location name: DLR-FALCON 20
Platform type: AIRCRAFT
West bounding coordinate (°): -10.0257
East bounding coordinate (°): 11.3667

North bounding coordinate (°):	48.1047
South bounding coordinate (°):	3.9487
Altitude min:	7270
Altitude max:	1269600

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

Carbon Monoxide Mixing Ratio

Parameter name:	Carbon Monoxide Mixing Ratio
Parameter keyword:	Atmosphere > Atmospheric Chemistry
Unit:	ppbv - ppbv
Date begin (yyyy-mm-jj):	2006-08-01
Date end (yyyy-mm-jj):	2006-08-18

Ozone Mixing Ratio

Parameter name:	Ozone Mixing Ratio
Parameter keyword:	Atmosphere > Atmospheric Chemistry
Unit:	ppmv
Date begin (yyyy-mm-jj):	2006-08-01
Date end (yyyy-mm-jj):	2006-08-18

Peroxy Radicals Mixing Ratio

Parameter name:	Peroxy Radicals Mixing Ratio
Parameter keyword:	Atmosphere > Atmospheric Chemistry
Unit:	pptv
Date begin (yyyy-mm-jj):	2006-08-01
Date end (yyyy-mm-jj):	2006-08-18

Carbon Dioxide Mixing Ratio

Parameter name:	Carbon Dioxide Mixing Ratio
Parameter keyword:	Atmosphere > Atmospheric Chemistry
Unit:	ppmv
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