

AS.ATR42-Chimie - Airborne chemistry measurements

General information

Dataset name: AS.ATR42-Chimie - Airborne chemistry measurements
Created on: 2006-08-21

Contact(s)

Borbon Agnès - LISA - agnes.borbon@lisa.u-pec.fr (PI or Lead scientist)

Period

Date begin (yyyy-mm-jj): 2006-05-08
Date end (yyyy-mm-jj): 2006-09-08

Project(s)

AMMA > AMMA-SOP

Data description

Abstract

Caractérisation des processus chimiques des phases gazeuse et particulaire sur l'Afrique de l'Ouest.
Source et puits majeurs des oxydants ? Temps de vie des espèces ? Impact de la convection profonde sur l'équilibre chimique de la haute atmosphère ?
Impact des émissions anthropiques ?

Observing strategy

Prélèvements et analyse

Instrument information

Sensor

Manufacturer: LISA
Model: AMOVOC / GC-MS

Geographic information

ATR 42

Location name:	ATR 42
Platform type:	AIRCRAFT
West bounding coordinate (°):	1.77
East bounding coordinate (°):	3.86
North bounding coordinate (°):	13.9
South bounding coordinate (°):	5.82
Altitude min:	270
Altitude max:	3500

Measured parameters

Trans-2-pentene

Parameter name:	trans-2-pentene
Parameter keyword:	Atmosphere > Atmospheric Chemistry
Unit:	ppbv - ppbv
Date begin (yyyy-mm-jj):	2006-05-08
Date end (yyyy-mm-jj):	2006-09-08

Ethylbenzene

Parameter name:	ethylbenzene
Parameter keyword:	Atmosphere > Atmospheric Chemistry
Unit:	ppbv - ppbv
Date begin (yyyy-mm-jj):	2006-05-08
Date end (yyyy-mm-jj):	2006-09-08

Octane

Parameter name:	octane
Parameter keyword:	Atmosphere > Atmospheric Chemistry
Unit:	ppbv - ppbv
Date begin (yyyy-mm-jj):	2006-05-08
Date end (yyyy-mm-jj):	2006-09-08

Hexane

Parameter name:	hexane
Parameter keyword:	Atmosphere > Atmospheric Chemistry
Unit:	ppbv - ppbv
Date begin (yyyy-mm-jj):	2006-05-08
Date end (yyyy-mm-jj):	2006-09-08

2,2,4-trimethylpentane

Parameter name: 2,2,4-trimethylpentane
Parameter keyword: Atmosphere > Atmospheric Chemistry
Unit: ppbv - ppbv
Date begin (yyyy-mm-jj): 2006-05-08
Date end (yyyy-mm-jj): 2006-09-08

1,2,3-trimethylbenzene

Parameter name: 1,2,3-trimethylbenzene
Parameter keyword: Atmosphere > Atmospheric Chemistry
Unit: ppbv - ppbv
Date begin (yyyy-mm-jj): 2006-05-08
Date end (yyyy-mm-jj): 2006-09-08

1,2,4-trimethylbenzene

Parameter name: 1,2,4-trimethylbenzene
Parameter keyword: Atmosphere > Atmospheric Chemistry
Unit: ppbv - ppbv
Date begin (yyyy-mm-jj): 2006-05-08
Date end (yyyy-mm-jj): 2006-09-08

1,3,5-trimethylbenzene

Parameter name: 1,3,5-trimethylbenzene
Parameter keyword: Atmosphere > Atmospheric Chemistry
Unit: ppbv - ppbv
Date begin (yyyy-mm-jj): 2006-05-08
Date end (yyyy-mm-jj): 2006-09-08

Heptane

Parameter name: heptane
Parameter keyword: Atmosphere > Atmospheric Chemistry
Unit: ppbv - ppbv
Date begin (yyyy-mm-jj): 2006-05-08
Date end (yyyy-mm-jj): 2006-09-08

P,m-xylene

Parameter name: p,m-xylene
Parameter keyword: Atmosphere > Atmospheric Chemistry
Unit: ppbv - ppbv
Date begin (yyyy-mm-jj): 2006-05-08
Date end (yyyy-mm-jj): 2006-09-08

O-xylene

Parameter name:	o-xylene
Parameter keyword:	Atmosphere > Atmospheric Chemistry
Unit:	ppbv - ppbv
Date begin (yyyy-mm-jj):	2006-05-08
Date end (yyyy-mm-jj):	2006-09-08

Data use information

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