

# AROME model outputs

## General information

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Dataset name: AROME model outputs  
Created on: 2016-03-09  
Useful in the framework of: OPERATIONAL-DATA > Model outputs

### Contact(s)

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Francois Bouttier - GET - francois.bouttier@meteo.fr (PI or Lead scientist)

## Model information

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## Data description

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### Model / simulation description

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The AROME (Applications of Research to Operations at MEscale) forecasts produced by Meteo-France in almost real time during the SOP 2006 are available over a small region in West Africa, for all the AMMA scientific community. AROME corresponds to the next generation of operational high resolution system currently under development at Meteo-France. AROME is a limited area model designed for fine modelisation (2.5 km resolution). Products have been archived on regular latitude/longitude grid and converted to Netcdf (self-describing format, widely used in modelers community). More information available at <http://bddamma.ipsl.polytechnique.fr/arome-forecasts.html>

## Parameters

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### Temperature

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Parameter name: Temperature  
Parameter keyword: Atmosphere > Atmospheric Temperature

### U-component of wind

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Parameter name: u-component of wind  
Parameter keyword: Atmosphere > Atmospheric Winds

## V-component of wind

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Parameter name: v-component of wind  
Parameter keyword: Atmosphere > Atmospheric Winds

## Vertical velocity

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Parameter name: Vertical velocity  
Parameter keyword: Atmosphere > Atmospheric Winds

## Geopotential

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Parameter name: Geopotential  
Parameter keyword: Atmosphere > Altitude

## Accumulated graupel since start

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Parameter name: accumulated graupel since start  
Parameter keyword: Atmosphere > Precipitation

## Accumulated rain since start

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Parameter name: accumulated rain since start  
Parameter keyword: Atmosphere > Precipitation

## Accumulated snow since start

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Parameter name: accumulated snow since start  
Parameter keyword: Atmosphere > Precipitation

## Instantaneous graupel

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Parameter name: instantaneous graupel  
Parameter keyword: Atmosphere > Precipitation

## Instantaneous rain

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Parameter name: instantaneous rain  
Parameter keyword: Atmosphere > Precipitation

## Instantaneous snow

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Parameter name: instantaneous snow  
Parameter keyword: Atmosphere > Precipitation

## Temperature first ISBA layer

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Parameter name: temperature first ISBA layer  
Parameter keyword: Land Surface > Soils

### Temperature second ISBA layer

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Parameter name: temperature second ISBA layer  
Parameter keyword: Land Surface > Soils

### Temperature third ISBA layer

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Parameter name: temperature third ISBA layer  
Parameter keyword: Land Surface > Soils

### Temperature lakes and rivers

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Parameter name: temperature lakes and rivers  
Parameter keyword: Land Surface > Soils

### Water content first ISBA layer

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Parameter name: water content first ISBA layer  
Parameter keyword: Land Surface > Soils

### Water content second ISBA layer

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Parameter name: water content second ISBA layer  
Parameter keyword: Land Surface > Soils

### Specific humidity

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Parameter name: specific humidity

## Coverage

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### Temporal coverage

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Date begin (yyyy-mm-jj): 2006-06-08  
Date end (yyyy-mm-jj): 2006-10-02

### Geographic coverage

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Area name: AROME  
East bounding coordinate (°): 10  
North bounding coordinate (°): 16  
South bounding coordinate (°): 6

## Data use information

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Use constraints: The access to this dataset is restricted to AMMA-INT members.