

# ECMWF operational archive

## General information

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Dataset name: ECMWF operational archive  
Created on: 2016-03-09  
Useful in the framework of: OPERATIONAL-DATA > Model outputs

### Contact(s)

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## Model information

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## Data description

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### Model / simulation description

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The ECMWF data assimilation and forecasting system has been rerun specifically for AMMA, using the specific AMMA archive of radio-sondes. The ECMWF re-analysis is available over a large Atlantic Africa area, limited to the period of may to september 2006, for all the AMMA scientific community. Products have been extracted at ECMWF on regular latitude/longitude grid and converted from GRIB (meteorological format) to Netcdf (self-describing format, widely used in modelers community). More information available at <http://bddamma.ipsl.polytechnique.fr/ecmwf-amma-re-analysis-2.html>.

## Parameters

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### Temperature

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Parameter name: Temperature  
Parameter keyword: Atmosphere > Atmospheric Temperature

### Temperature

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Parameter name: Temperature  
Parameter keyword: Atmosphere > Atmospheric Temperature

### Temperature

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Parameter name: Temperature  
Parameter keyword: Atmosphere > Atmospheric Temperature

## Temperature

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Parameter name: Temperature  
Parameter keyword: Atmosphere > Atmospheric Temperature

## Total column water vapor

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Parameter name: Total column water vapor  
Parameter keyword: Atmosphere > Atmospheric Water Vapor

## Total column water vapor

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Parameter name: Total column water vapor  
Parameter keyword: Atmosphere > Atmospheric Water Vapor

## Vertical velocity

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

## Vertical velocity

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

## Vertical velocity

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

## Relative humidity

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Parameter name: Relative humidity  
Parameter keyword: Atmosphere > Atmospheric Water Vapor

## Relative humidity

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Parameter name: Relative humidity  
Parameter keyword: Atmosphere > Atmospheric Water Vapor

## Geopotential

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Parameter name: Geopotential  
Parameter keyword: Atmosphere > Altitude

## Geopotential

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Parameter name: Geopotential  
Parameter keyword: Atmosphere > Altitude

## Geopotential

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Parameter name: Geopotential  
Parameter keyword: Atmosphere > Altitude

## Geopotential

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Parameter name: Geopotential  
Parameter keyword: Atmosphere > Altitude

## Large scale precipitation

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Parameter name: Large scale precipitation  
Parameter keyword: Atmosphere > Precipitation

## Large scale precipitation

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Parameter name: Large scale precipitation  
Parameter keyword: Atmosphere > Precipitation

## Convective precipitation

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Parameter name: Convective precipitation  
Parameter keyword: Atmosphere > Precipitation

## Convective precipitation

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Parameter name: Convective precipitation  
Parameter keyword: Atmosphere > Precipitation

## Evaporation

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Parameter name: Evaporation  
Parameter keyword: Atmosphere > Atmospheric Water Vapor

## Evaporation

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Parameter name: Evaporation  
Parameter keyword: Atmosphere > Atmospheric Water Vapor

## Boundary layer height

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Parameter name: Boundary layer height  
Parameter keyword: Atmosphere > Atmospheric Pressure

## Boundary layer height

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Parameter name: Boundary layer height  
Parameter keyword: Atmosphere > Atmospheric Pressure

### East/West surface stress

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Parameter name: East/West surface stress  
Parameter keyword: Atmosphere > Atmospheric Winds

### East/West surface stress

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Parameter name: East/West surface stress  
Parameter keyword: Atmosphere > Atmospheric Winds

### North/South surface stress

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Parameter name: North/South surface stress  
Parameter keyword: Atmosphere > Atmospheric Winds

### North/South surface stress

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Parameter name: North/South surface stress  
Parameter keyword: Atmosphere > Atmospheric Winds

### Surface latent heat flux

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Parameter name: Surface latent heat flux  
Parameter keyword: Atmosphere > Atmospheric Water Vapor

### Surface latent heat flux

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Parameter name: Surface latent heat flux  
Parameter keyword: Atmosphere > Atmospheric Water Vapor

### Surface sensible heat flux

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Parameter name: Surface sensible heat flux  
Parameter keyword: Atmosphere > Atmospheric Temperature

### Surface sensible heat flux

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Parameter name: Surface sensible heat flux  
Parameter keyword: Atmosphere > Atmospheric Temperature

### Surface solar radiation

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Parameter name: Surface solar radiation  
Parameter keyword: Atmosphere > Atmospheric Radiation

### Surface solar radiation

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Parameter name: Surface solar radiation  
Parameter keyword: Atmosphere > Atmospheric Radiation

## Downward surface solar radiation

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Parameter name: Downward surface solar radiation  
Parameter keyword: Atmosphere > Atmospheric Radiation

## Downward surface solar radiation

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Parameter name: Downward surface solar radiation  
Parameter keyword: Atmosphere > Atmospheric Radiation

## Surface thermal radiation

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Parameter name: Surface thermal radiation  
Parameter keyword: Atmosphere > Atmospheric Radiation

## Surface thermal radiation

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Parameter name: Surface thermal radiation  
Parameter keyword: Atmosphere > Atmospheric Radiation

## Downward surface thermal radiation

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Parameter name: Downward surface thermal radiation  
Parameter keyword: Atmosphere > Atmospheric Radiation

## Downward surface thermal radiation

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Parameter name: Downward surface thermal radiation  
Parameter keyword: Atmosphere > Atmospheric Radiation

## Top solar radiation

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Parameter name: Top solar radiation  
Parameter keyword: Atmosphere > Atmospheric Radiation

## Top solar radiation

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Parameter name: Top solar radiation  
Parameter keyword: Atmosphere > Atmospheric Radiation

## Top thermal radiation

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Parameter name: Top thermal radiation  
Parameter keyword: Atmosphere > Atmospheric Radiation

## Top thermal radiation

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Parameter name: Top thermal radiation  
Parameter keyword: Atmosphere > Atmospheric Radiation

## Albedo

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Parameter name: Albedo  
Parameter keyword: Atmosphere > Atmospheric Radiation

## Albedo

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Parameter name: Albedo  
Parameter keyword: Atmosphere > Atmospheric Radiation

## 2 metre dewpoint temperature

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Parameter name: 2 metre dewpoint temperature  
Parameter keyword: Atmosphere > Atmospheric Temperature

## 2 metre dewpoint temperature

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Parameter name: 2 metre dewpoint temperature  
Parameter keyword: Atmosphere > Atmospheric Temperature

## Land/sea mask

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Parameter name: Land/sea mask  
Parameter keyword: Land Surface > Soils

## Land/sea mask

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Parameter name: Land/sea mask  
Parameter keyword: Land Surface > Soils

## Mean sea level pressure

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Parameter name: Mean sea level pressure  
Parameter keyword: Atmosphere > Atmospheric Pressure

## Mean sea level pressure

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Parameter name: Mean sea level pressure  
Parameter keyword: Atmosphere > Atmospheric Pressure

## Skin temperature

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Parameter name: Skin temperature  
Parameter keyword: Atmosphere > Atmospheric Temperature

## Skin temperature

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Parameter name: Skin temperature  
Parameter keyword: Atmosphere > Atmospheric Temperature

## Sea surface temperature

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Parameter name: Sea surface temperature  
Parameter keyword: Oceans > Ocean Temperature

## Sea surface temperature

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Parameter name: Sea surface temperature  
Parameter keyword: Oceans > Ocean Temperature

## Soil temperature level 1

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Parameter name: Soil temperature level 1  
Parameter keyword: Land Surface > Soils

## Soil temperature level 1

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Parameter name: Soil temperature level 1  
Parameter keyword: Land Surface > Soils

## Soil temperature level 2

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Parameter name: Soil temperature level 2  
Parameter keyword: Land Surface > Soils

## Soil temperature level 2

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Parameter name: Soil temperature level 2  
Parameter keyword: Land Surface > Soils

## Soil temperature level 3

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Parameter name: Soil temperature level 3  
Parameter keyword: Land Surface > Soils

## Soil temperature level 3

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Parameter name: Soil temperature level 3  
Parameter keyword: Land Surface > Soils

## Soil temperature level 4

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Parameter name: Soil temperature level 4  
Parameter keyword: Land Surface > Soils

## Soil temperature level 4

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Parameter name: Soil temperature level 4  
Parameter keyword: Land Surface > Soils

### Volumetric Soil water layer 1

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Parameter name: Volumetric Soil water layer 1  
Parameter keyword: Land Surface > Soils

### Volumetric Soil water layer 1

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Parameter name: Volumetric Soil water layer 1  
Parameter keyword: Land Surface > Soils

### Volumetric Soil water layer 2

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Parameter name: Volumetric Soil water layer 2  
Parameter keyword: Land Surface > Soils

### Volumetric Soil water layer 2

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Parameter name: Volumetric Soil water layer 2  
Parameter keyword: Land Surface > Soils

### Volumetric Soil water layer 3

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Parameter name: Volumetric Soil water layer 3  
Parameter keyword: Land Surface > Soils

### Volumetric Soil water layer 3

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Parameter name: Volumetric Soil water layer 3  
Parameter keyword: Land Surface > Soils

### Volumetric Soil water layer 4

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Parameter name: Volumetric Soil water layer 4  
Parameter keyword: Land Surface > Soils

### Volumetric Soil water layer 4

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Parameter name: Volumetric Soil water layer 4  
Parameter keyword: Land Surface > Soils

### 2 metre temperature

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Parameter name: 2 metre temperature  
Parameter keyword: Atmosphere > Atmospheric Temperature

### 2 metre temperature

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Parameter name: 2 metre temperature  
Parameter keyword: Atmosphere > Atmospheric Temperature

### 10 metre u wind component

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Parameter name: 10 metre u wind component  
Parameter keyword: Atmosphere > Atmospheric Winds

### 10 metre u wind component

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Parameter name: 10 metre u wind component  
Parameter keyword: Atmosphere > Atmospheric Winds

### 10 metre v wind component

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Parameter name: 10 metre v wind component  
Parameter keyword: Atmosphere > Atmospheric Winds

### 10 metre v wind component

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Parameter name: 10 metre v wind component  
Parameter keyword: Atmosphere > Atmospheric Winds

### Eastward wind component

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Parameter name: Eastward wind component  
Parameter keyword: Atmosphere > Atmospheric Winds

### Eastward wind component

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Parameter name: Eastward wind component  
Parameter keyword: Atmosphere > Atmospheric Winds

### Eastward wind component

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Parameter name: Eastward wind component  
Parameter keyword: Atmosphere > Atmospheric Winds

### Northward wind component

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Parameter name: Northward wind component  
Parameter keyword: Atmosphere > Atmospheric Winds

### Northward wind component

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Parameter name: Northward wind component  
Parameter keyword: Atmosphere > Atmospheric Winds

### Northward wind component

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Parameter name: Northward wind component  
Parameter keyword: Atmosphere > Atmospheric Winds

## Vorticity (relative)

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Parameter name: Vorticity (relative)  
Parameter keyword: Atmosphere > Atmospheric Winds

## Vorticity (relative)

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Parameter name: Vorticity (relative)  
Parameter keyword: Atmosphere > Atmospheric Winds

## Divergence

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Parameter name: Divergence  
Parameter keyword: Atmosphere > Atmospheric Winds

## Divergence

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Parameter name: Divergence  
Parameter keyword: Atmosphere > Atmospheric Winds

## Cloud cover

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Parameter name: Cloud cover  
Parameter keyword: Atmosphere > Clouds

## Cloud cover

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Parameter name: Cloud cover  
Parameter keyword: Atmosphere > Clouds

## Cloud ice water content

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Parameter name: Cloud ice water content  
Parameter keyword: Atmosphere > Clouds

## Cloud ice water content

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Parameter name: Cloud ice water content  
Parameter keyword: Atmosphere > Clouds

## Cloud liquid water content

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Parameter name: Cloud liquid water content  
Parameter keyword: Atmosphere > Clouds

## Cloud liquid water content

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Parameter name: Cloud liquid water content  
Parameter keyword: Atmosphere > Clouds

### Log surface pressure (at first level of the model)

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Parameter name: Log surface pressure (at first level of the model)  
Parameter keyword: Atmosphere > Atmospheric Pressure

### Log surface pressure (at first level of the model)

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Parameter name: Log surface pressure (at first level of the model)  
Parameter keyword: Atmosphere > Atmospheric Pressure

### Specific humidity

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Parameter name: Specific humidity  
Parameter keyword: Atmosphere > Atmospheric Water Vapor

### Specific humidity

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Parameter name: Specific humidity  
Parameter keyword: Atmosphere > Atmospheric Water Vapor

## Coverage

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### Temporal coverage

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Date begin (yyyy-mm-jj): 2005-01-01  
Date end (yyyy-mm-jj): 2010-11-02

### Geographic coverage

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Area name: ECMWF  
West bounding coordinate (°): -18  
East bounding coordinate (°): 18  
North bounding coordinate (°): 21  
South bounding coordinate (°): 3

## Data use information

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