

# Encore 1D retrievals Save

## General information

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Dataset name: Encore 1D retrievals Save  
Created on: 2018-04-24

### Contact(s)

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### Period

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Date begin (yyyy-mm-jj): 2016-06-18  
Date end (yyyy-mm-jj): 2016-07-29

### Project(s)

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DACCIWA > WP5 - Radiative Processes

## Data description

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### References

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Details of the retrieval can be found in Fielding et al. (2014, JGR, doi:10.1002/2014JD021742) and Fielding et al. (2015, AMT, doi:10.5194/amt-8-2663-2015)

## Site information

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### Instrument 1 (RADAR > Radio Detection and Ranging)

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#### Sensor

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Instrument type: RADAR > Radio Detection and Ranging

#### Measured parameter: Cloud Droplet Concentration/Size

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Parameter keyword: Atmosphere > Clouds > Cloud Microphysics > Cloud Droplet Concentration/Size

Unit: Number per cm<sup>3</sup> - cm<sup>-3</sup>

### Measured parameter: Cloud Water Path

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Parameter name: Cloud Water Path  
Parameter keyword: Atmosphere > Clouds  
Unit: grams per square meter - g.m-2

### Measured parameter: Cloud Optical Depth/Thickness

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Parameter keyword: Atmosphere > Clouds > Cloud Microphysics > Cloud Optical Depth/Thickness

### Measured parameter: Column mean effective radius

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Parameter name: Column mean effective radius  
Parameter keyword: Atmosphere > Clouds  
Unit: micrometer -  $\mu\text{m}$

### Measured parameter: Liquid water content

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Parameter name: Liquid water content  
Parameter keyword: Atmosphere > Clouds  
Unit: grams per cubic meter - g.m-3

### Measured parameter: Effective radius

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Parameter name: Effective radius  
Parameter keyword: Atmosphere > Clouds  
Unit: micrometer -  $\mu\text{m}$

### Measured parameter: Extinction

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Parameter name: Extinction  
Parameter keyword: Atmosphere > Clouds  
Unit: per meter - m-1

### Measured parameter: Observed radar reflectivity

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Parameter name: Observed radar reflectivity  
Parameter keyword: Atmosphere  
Unit: mm6/m3

### Measured parameter: Observed ceilometer attenuated backscatter

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Parameter name: Observed ceilometer attenuated backscatter  
Parameter keyword: Atmosphere  
Unit: m -1 sr-1

### Measured parameter: Observed normalized zenith radiance

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Parameter name: Observed normalized zenith radiance

## Instrument 2 (CEILOMETERS)

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### Sensor

Instrument type: CEILOMETERS

## Instrument 3 (Spectrometers/Radiometers)

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### Sensor

Instrument type: Spectrometers/Radiometers

## Data use information

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Use constraints: The research leading to these results has received funding from the European Union Seventh Framework Programme (FP7/2007-2013) under grant agreement n° 603502.

Data policy: DACCIWA data policy

Database: Dacciwa database

Original data format(s): NetCDF