

# Energy Balance 2: Soil\_Kumasi

## General information

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Dataset name: Energy Balance 2: Soil\_Kumasi  
Dataset DOI: 10.6096/dacciwa.1663  
Created on: 2017-01-03

### Contact(s)

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Brooks Barbara - NCAS - barbara.brooks@ncas.ac.uk (Dataset contact)

### Period

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Date begin (yyyy-mm-jj): 2016-06-11  
Date end (yyyy-mm-jj): 2016-07-30

### Project(s)

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DACCIWA > WP1 - Boundary Layer Dynamics

## Data description

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### Abstract

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Data obtained from a range of instruments deployed at KNUST, Kumasi Ghana during the field observation period of the DACCIWA project. All data is supplied in NetCDF classic format following CF 1.6 naming standards. Files are self-supporting with embedded meta data.

## Instrument information

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### Sensor

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Instrument type: Temperature/Humidity Sensors  
Manufacturer: Campbell  
Model: CR 3000 logger  
Instrument features / Calibration: 3 x Campbell HFP01 Self calibrating Heat Flux Plates, 3 x Campbell 107 Temperature Probe, 3 x Campbell 253 Soil Matric Potential Sensor

### Sensor resolution

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Observation frequency: 5 minutes

## Sensor location

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Longitude (°):	-1.5601
Latitude (°):	6.6796
Height above ground (m):	-0.08

## Geographic information

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### KNUST

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Location name:	KNUST
Platform type:	GROUND-BASED OBSERVATIONS
West bounding coordinate (°):	-1.5601
East bounding coordinate (°):	-1.5601
North bounding coordinate (°):	6.6796
South bounding coordinate (°):	6.6796
Altitude min:	263
Altitude max:	263

## Measured parameter

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### Soil Temperature

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Parameter keyword:	Land Surface > Soils > Soil Temperature
Unit:	Kelvin - K
Acquisition methodology and quality:	Sensor1 (06 40 47.1 N, 01 33 36.1 W), Sensor2 (06 40 47.0 N, 01 33 36.0 W) Sensor 3 (06 40 47.2 N, 01 33 35.8 W)

## Data use information

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Use constraints:	Permission is granted to use these data and images in research and publications when accompanied by the following statement:"Data were obtained from the DACCIIWA program which has received funding from the European Union Seventh Framework Programme (FP7/2007-2013) under grant agreement n° 603502 [Leeds]."  Acknowledgement of NCAS as the data provider is required whenever and wherever the data are used.
Data policy:	DACCIIWA data policy
Database:	Dacciwa database
Original data format(s):	NetCDF