

# Sonic Anemometer\_Kumasi

## General information

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Dataset name: Sonic Anemometer\_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: SONIC ANEMOMETER  
Manufacturer: METEK  
Model: uSonic-3 Sonic Anemometer  
Instrument features / Calibration: As per manufacuers specifications

### Sensor resolution

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Observation frequency: 1 minute

## Sensor location

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Longitude (°):	-1.5601
Latitude (°):	6.6796
Height above ground (m):	3.5

## 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 parameters

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### Wind Speed

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Parameter keyword:	Atmosphere > Atmospheric Winds > Wind Speed
Unit:	meters per second - m/s

### Wind Direction

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Parameter keyword:	Atmosphere > Atmospheric Winds > Wind Direction
Unit:	degrees - degrees

### U

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Parameter name:	U
Parameter keyword:	Atmosphere > Atmospheric Winds > Wind Direction
Unit:	meter per second - m/s

### V

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Parameter name:	V
Parameter keyword:	Atmosphere > Atmospheric Winds > Wind Speed
Unit:	meter per second - m/s

### W

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Parameter name:	W
Parameter keyword:	Atmosphere > Atmospheric Winds > Vertical Wind Motion
Unit:	meters per second - m/s

## 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 DACCIWA 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:	DACCIWA data policy
Database:	Dacciwa database
Original data format(s):	NetCDF