

SAEON Observations Database

Master Data Management Documentation

Compiled by: Victoria Goodall

May 2013

Updated February 2014

Observations Database



- URL for the database:

<http://observations.saeon.ac.za/>

- Contact a database administrator for a username and password to access the database

wayne@saeon.ac.za

wim@saeon.ac.za

Login



SAEON
South African Environmental
Observation Network

Environmental Observatio x

observations.brittondev.co.za/Login.aspx?ReturnUrl=%2f

← → C

Search icon

Star icon

Globe icon

≡

Login

Username:

Password:

Remember me:

Login

Home page – Data Manager

Environmental Observatio x observations.brittondev.co.za/Default.aspx

Logout

Environmental Observations

Navigation

- System Administration
- Data Views
- Master Data Management
 - Organisations
 - Projects/Sites
 - Stations
 - Data Sources
 - Data Schemas
 - Sensors
 - Phenomenon
 - Unit of Measure
 - Offerings
 - Import Batches

observations.brittondev.co.za/Admin/Organisation.aspx

Observations Database



Master Data Management

Create New Phenomenon



SAEON
South African Environmental
Observation Network

Environmental Observatio x observations.brittondev.co.za/Default.aspx

Logout

Environmental Observations

Navigation

- System Administration
- Data Views
- Master Data Management
 - Organisations
 - Projects/Sites
 - Stations
 - Data Sources
- Data Schemas
- Sensors
- Phenomenon**
- Unit of Measure
- Offerings
- Import Batches

observations.brittondev.co.za/Admin/Organisation.aspx

Create New Phenomenon



SAEON
South African Environmental
Observation Network

Environmental Observatio x observations.brittondev.co.za/Default.aspx Logout

Environmental Observations

Navigation

- System Administration
- Data Views
- Master Data Management
 - Organisations
 - Projects/Sites
 - Stations
 - Data Sources
 - Data Schemas
 - Sensors
- Phenomenon**
- Unit of Measure
- Offerings
- Import Batches

Phenomenon

Phenomenons

[Add Phenomenon](#)

Code	Name	Url	Des
ALT	Altitude		A
EVAP	Evapotranspiration		E
FDI	Fire Danger Index		F
HU	Heat Units		H
HMY	Humidity		H
Pressure	Pressure		A

To Excel To CSV

Page 1 of 1 Displaying 1 - 17 of 17

Offerings

[Add Offering](#)

Code	Name	Description

Unit of Measurements

[Add Unit](#)

Code	Unit	Symbol

observations.brittondev.co.za/Admin/Phenomenon.aspx

Create New Phenomenon



SAEON
South African Environmental
Observation Network

Environmental Observatio x observations.brittondev.co.za/Default.aspx Logout

Environmental Observations

Navigation

- System Administration
- Data Views
- Master Data Management
- Organisations
- Projects/Sites
- Stations
- Data Sources
- Data Schemas
- Sensors
- Phenomenon**
- Unit of Measure
- Offerings
- Import Batches

Phenomenon

Phenomenons

Add Phenomenon

Code	Name
ALT	Altitude
EVAP	Evaporation
FDI	Fire Danger Index
HU	Heat Unit
HMY	Humidity
Pressure	Pressure

Offerings

Phenomenon Detail

Code: CO2C

Name: Carbon Dioxide Concentration

Url: <http://www.opengeospatial.org/>

Description: Concentration of carbon dioxide in the atmosphere

Form is valid

Save

Create New Phenomenon



SAEON
South African Environmental
Observation Network

Environmental Observatio x observations.brittondev.co.za/Default.aspx Logout

Environmental Observations

Navigation

- System Administration
- Data Views
- Master Data Management
- Organisations
- Projects/Sites
- Stations
- Data Sources
- Data Schemas
- Sensors
- Phenomenon**
- Unit of Measure
- Offerings
- Import Batches

Phenomenon

Phenomenons

Add Phenomenon

Code	Name
ALT	Altitude
EVAP	Evaporation
FDI	Fire Danger Index
HU	Heat Unit
HMY	Humidity
Pressure	Pressure

Offerings

Phenomenon Detail

Code: CO2C

Name: Carbon Dioxide Concentration

Url: <http://www.opengeospatial.org/>

Description: Concentration of carbon dioxide in the atmosphere

Form is valid

Save

Create New Phenomenon



SAEON
South African Environmental
Observation Network

Environmental Observatio x observations.brittondev.co.za/Default.aspx Logout

Environmental Observations

Navigation

- System Administration
- Data Views
- Master Data Management
 - Organisations
 - Projects/Sites
 - Stations
 - Data Sources
 - Data Schemas
 - Sensors
 - Phenomenon**
 - Unit of Measure
 - Offerings
 - Import Batches

Phenomenon

Phenomenons

Add Phenomenon

Code	Name
ALT	Altitude
EVAP	Evaporation
FDI	Fire Danger Index
HU	Heat Unit
HMY	Humidity
Pressure	Pressure

Offerings

Phenomenon Detail

Code: CO2C

Name: Carbon Dioxide Concentration

Url: <http://www.opengeospatial.org/>

Description: Concentration of carbon dioxide in the atmosphere

Form is valid

Save

A red rectangular box highlights the 'Offerings' tab, the 'Phenomenon Detail' dialog box, and the 'Url' input field containing the URL 'http://www.opengeospatial.org/'.

Create New Phenomenon



SAEON
South African Environmental
Observation Network

Environmental Observatio x observations.brittondev.co.za/Default.aspx Logout

Environmental Observations

Navigation

- System Administration
- Data Views
- Master Data Management
 - Organisations
 - Projects/Sites
 - Stations
 - Data Sources
 - Data Schemas
 - Sensors
 - Phenomenon**
 - Unit of Measure
 - Offerings
 - Import Batches

Phenomenon

Phenomenons

Add Phenomenon

Code	Name
ALT	Altitude
EVAP	Evaporation
FDI	Fire Danger Index
HU	Heat Unit
HMY	Humidity
Pressure	Pressure

Offerings

Phenomenon Detail

Code: CO2C

Name: Carbon Dioxide Concentration

Url: <http://www.opengeospatial.org/>

Description: Concentration of carbon dioxide in the atmosphere

Form is valid

Save

The 'Description' field and the entire 'Phenomenon Detail' dialog box are highlighted with a red rectangle. The 'Description' field contains the text 'Concentration of carbon dioxide in the atmosphere'.

Create New Phenomenon



SAEON
South African Environmental
Observation Network

Environmental Observatio x observations.brittondev.co.za/Default.aspx Logout

Environmental Observations

Navigation

- System Administration
- Data Views
- Master Data Management
 - Organisations
 - Projects/Sites
 - Stations
 - Data Sources
 - Data Schemas
 - Sensors
 - Phenomenon**
 - Unit of Measure
 - Offerings
 - Import Batches

Phenomenon

Phenomenons

Add Phenomenon

Code	Name
ALT	Altitude
EVAP	Evaporation
FDI	Fire Danger Index
HU	Heat Unit
HMY	Humidity
Pressure	Pressure

Offerings

Phenomenon Detail

Code: CO2C

Name: Carbon Dioxide Concentration

Url: <http://www.opengeospatial.org/>

Description: Concentration of carbon dioxide in the atmosphere

Form is valid

Save

A red box highlights the 'Phenomenon Detail' dialog box, which contains the form fields for adding a new phenomenon. Another red box highlights the 'Form is valid' message at the bottom left of the dialog, and a third red box highlights the 'Save' button at the bottom right.

Create New Phenomenon



SAEON
South African Environmental
Observation Network

Environmental Observatio x observations.brittondev.co.za/Default.aspx

Logout

Environmental Observations

Navigation

- System Administration
- Data Views
- Master Data Management
- Organisations
- Projects/Sites
- Stations
- Data Sources
- Data Schemas
- Sensors
- Phenomenon**
- Unit of Measure
- Offerings
- Import Batches

Phenomenon

Phenomenons

+ Add Phenomenon To Excel To CSV

Code	Name	Url	Des
ALT	Altitude		A
CO2C	Carbon Dioxide Concentr...	http://www.opengeospatial.org/	C
EVAP	Evapotranspiration		E
FDI	Fire Danger Index		F
HU	Heat Units		H
HMY	Humidity		H

Page 1 of 1 Displaying 1 - 18 of 18

Offerings

+ Add Offering

Code	Name	Description
------	------	-------------

Unit of Measurements

+ Add Unit

Code	Unit	Symbol
------	------	--------

Create a new Unit of Measurement



SAEON
South African Environmental
Observation Network

Screenshot of a web-based environmental observation system interface:

The browser title bar shows "Environmental Observatio x" and the URL "observations.brittondev.co.za/Default.aspx".

The main header reads "Environmental Observations".

The navigation menu on the left is titled "Navigation" and includes the following items:

- System Administration
- Data Views
- Master Data Management
 - Organisations
 - Projects/Sites
 - Stations
 - Data Sources
- Data Schemas
- Sensors
- Phenomenon
- Unit of Measure** (This item is highlighted with a red box.)
- Offerings
- Import Batches

The main content area is currently empty.

The bottom status bar displays the URL "observations.brittondev.co.za/Admin/Organisation.aspx".

Create a new Unit of Measurement



SAEON
South African Environmental Observation Network

Screenshot of the Environmental Observations application interface showing the 'Unit of Measure' management screen.

The navigation menu on the left includes:

- System Administration
- Data Views
- Master Data Management
 - Organisations
 - Projects/Sites
 - Stations
 - Data Sources
 - Data Schemas
 - Sensors
 - Phenomenon
- Unit of Measure (selected)
- Offerings
- Import Batches

The main content area shows a list of existing units of measurement:

Code	Unit	Symbol	Action
BAR	bar	bar	[Edit]
HM3	Cubic meters	m ³	[Edit]
DEG	Degrees	°	[Edit]
DEGC	Degrees Celsius	°C	[Edit]
DEGF	Degrees Fahrenheit	°F	[Edit]
DIM	Dimensionless	-	[Edit]
FEET	feet	ft	[Edit]
HU	Heat_Units	HU	[Edit]
HPA	Hectopascal	hP	[Edit]
INH	Inch	"	[Edit]
KM	Kilometer	km	[Edit]
KMH	Kilometers per hour	km/h	[Edit]
KPA	Kilopascal	kPa	[Edit]
MTR	Meter	m	[Edit]
MPS	Meters per second	m/s	[Edit]

A red box highlights the 'Add Unit' button in the top-left corner of the unit list area.

Create a new Unit of Measurement



SAEON
South African Environmental Observation Network

Screenshot of the Environmental Observations application interface showing the creation of a new Unit of Measure.

The navigation menu on the left includes:

- System Administration
- Data Views
- Master Data Management
 - Organisations
 - Projects/Sites
 - Stations
 - Data Sources
 - Data Schemas
 - Sensors
 - Phenomenon
 - Unit of Measure
- Offerings
- Import Batches

The current page is "Unit of Measure". A sub-menu titled "Units" shows a list of existing units: BAR, HM3, DEG, DEGC, DEGF, DIM, FEET, HU, HPA, INH, KM, KMH, KPA, MTR, MPS, and UMGU. A modal dialog box titled "Unit Detail" is open, containing fields for "Code" (PPMV), "Unit" (Parts per Million by Volume), and "Symbol" (ppmv). The "Code" field is highlighted with a red border. The "Unit" and "Symbol" fields are also highlighted with red borders. At the bottom of the dialog, a message "Form is valid" is displayed next to a green checkmark icon. A red box highlights the "Save" button at the bottom right of the dialog.

Create a new Unit of Measurement



SAEON
South African Environmental Observation Network

Screenshot of the Environmental Observations application interface showing the 'Unit of Measure' list.

The navigation menu on the left includes:

- System Administration
- Data Views
- Master Data Management
 - Organisations
 - Projects/Sites
 - Stations
 - Data Sources
 - Data Schemas
 - Sensors
 - Phenomenon
- Unit of Measure
- Offerings
- Import Batches

The current page is 'Unit of Measure'. A table lists various units of measurement:

Code	Unit	Symbol	Action
Pa	Picopascal	"	edit
INH	Inch	"	edit
KM	Kilometer	km	edit
KMH	Kilometers per hour	km/h	edit
KPA	Kilopascal	kPa	edit
MTR	Meter	m	edit
MPS	Meters per second	m/s	edit
UMOL	Micro mole	µmol	edit
MPH	mile per hour	mph	edit
RRATE	Millimeters per hour	mm/h	edit
MM	Millimeter	mm	edit
RAD	MJ/m ²	MJ	edit
PPMV	Parts per Million by Volume	ppmv	edit
PECT	Percent	%	edit
VP	Vapour Pressure	~~	edit
WSM	Watts per square meter	W/m ²	edit

The row for 'PPMV' is highlighted with a red border.

Create a new Unit of Measurement



SAEON
South African Environmental Observation Network

Screenshot of the Environmental Observations application interface showing the 'Unit of Measure' list.

The navigation menu on the left includes:

- System Administration
- Data Views
- Master Data Management
 - Organisations
 - Projects/Sites
 - Stations
 - Data Sources
 - Data Schemas
 - Sensors
 - Phenomenon
- Unit of Measure
- Offerings
- Import Batches

The current page is 'Unit of Measure'. A table lists various units of measurement:

Code	Unit	Symbol	Action
Pa	Picopascal	"	edit
INH	Inch	"	edit
KM	Kilometer	km	edit
KMH	Kilometers per hour	km/h	edit
KPA	Kilopascal	kPa	edit
MTR	Meter	m	edit
MPS	Meters per second	m/s	edit
UMOL	Micro mole	µmol	edit
MPH	mile per hour	mph	edit
RRATE	Millimeters per hour	mm/h	edit
MM	Millimeter	mm	edit
RAD	MJ/m ²	MJ	edit
PPMV	Parts per Million by Volume	ppmv	edit
PECT	Percent	%	edit
VP	Vapour Pressure	~~	edit
WSM	Watts per square meter	W/m ²	edit

The row for 'PPMV' is highlighted with a red border.

Edit Unit of Measurement



SAEON
South African Environmental
Observation Network

Environmental Observatio x observations.brittondev.co.za/Default.aspx

Environmental Observations

Navigation

- System Administration
- Data Views
- Master Data Management
 - Organisations
 - Projects/Sites
 - Stations
 - Data Sources
 - Data Schemas
 - Sensors
 - Phenomenon
- Unit of Measure
- Offerings
- Import Batches

Unit of Measure

Units

Add Unit

To Excel To CSV

Code	Unit	Symbol	Action
PA	Picopascal	Pa	
INH	Inch	"	
KM	Kilometer	km	
KMH	Kilometers per hour	km/h	
KPA	Kilopascal	kPa	
MTR	Meter	m	
MPS	Meters per second	m/s	
UMOL	Micro mole	µmol	
MPH	mile per hour	mph	
RRATE	Millimeters per hour	mm/h	
MM	Millimeter	mm	
RAD	MJ/m ²	MJ	
PPMV	Parts per Million by Volume	ppmv	
PECT	Percent	%	
VP	Vapour Pressure	~	
WSM	Watts per square meter	W/m ²	

Create an Offering



SAEON
South African Environmental
Observation Network

Environmental Observatio x observations.brittondev.co.za/Default.aspx

Logout

Environmental Observations

Navigation

- System Administration
- Data Views
- Master Data Management
 - Organisations
 - Projects/Sites
 - Stations
 - Data Sources
 - Data Schemas
 - Sensors
 - Phenomenon
 - Unit of Measure
 - Offerings
- Import Batches

The 'Offerings' item in the navigation menu is highlighted with a red box.

observations.brittondev.co.za/Admin/Organisation.aspx

Create an Offering



SAEON
South African Environmental
Observation Network

Environmental Observatio x

observations.brittondev.co.za/Default.aspx

Logout

Environmental Observations

Navigation

- System Administration
- Data Views
- Master Data Management
 - Organisations
 - Projects/Sites
 - Stations
 - Data Sources
 - Data Schemas
 - Sensors
 - Phenomenon
 - Unit of Measure
 - Offerings**
- Import Batches

Offerings

Add Offering

To Excel To CSV

Code	Name	Description	Action
ACT	Actual	Actual	?
AVE	Average	Average	?
Bar	Barometric Pressure	Atmospheric pressure which is then...	?
DEF	Deficit	Deficit (Vapour Pressure)	?
DPT	Dew Point	The dew point is the temperature w...	?
DIR	Direction	Wind direction	?
HI	Heat Index	Temperature perceived by humans ...	?
IHUM	Inside Humidity	Humidity inside the weather station	?
IRR	Irradiance	Irradiance	?
MAX	Maximum	Maximum	?
MIN	Minimum	Minimum	?
RFI	Rainfall Intensity	Total rainfall per hour	?
SAT	Saturated	Saturated (Vapour Pressure)	?
THSW	THSW Index	Apparent temperature taking into a...	?
THW	THW Index	Calculates an apparent temperatur...	?
TOT	Total	Total (Cumulative)	?

Displaying 1 - 21 of 21

Create an Offering



SAEON
South African Environmental
Observation Network

Environmental Observatio x observations.brittondev.co.za/Default.aspx

Environmental Observations

Navigation

- System Administration
- Data Views
- Master Data Management
 - Organisations
 - Projects/Sites
 - Stations
 - Data Sources
 - Data Schemas
 - Sensors
 - Phenomenon
 - Unit of Measure
 - Offerings** (highlighted)
 - Import Batches

Offerings

Add Offering (button highlighted with a red box)

Code	Name	Description	Action
ACT	Actual	Actual	
AVE	Average	Average	
Bar	Barometric Pressure	Atmospheric pressure which is then...	
DEF	Deficit	Deficit (Vapour Pressure)	
DPT	Dew Point	The dew point is the temperature w...	
DIR	Direction	Wind direction	
HI	Heat Index	Temperature perceived by humans ...	
IHUM	Inside Humidity	Humidity inside the weather station	
IRR	Irradiance	Irradiance	
MAX	Maximum	Maximum	
MIN	Minimum	Minimum	
RFI	Rainfall Intensity	Total rainfall per hour	
SAT	Saturated	Saturated (Vapour Pressure)	
THSW	THSW Index	Apparent temperature taking into a...	
THW	THW Index	Calculates an apparent temperatur...	
TOT	Total (Cumulative)		

To Excel To CSV

Displaying 1 - 21 of 21

Create an Offering



SAEON
South African Environmental
Observation Network

Screenshot of the Environmental Observations application interface showing the 'Offerings' creation process.

The navigation sidebar includes:

- System Administration
- Data Views
- Master Data Management
 - Organisations
 - Projects/Sites
 - Stations
 - Data Sources
 - Data Schemas
 - Sensors
 - Phenomenon
 - Unit of Measure
 - Offerings
- Import Batches

The main content area shows the 'Offerings' list and the 'Offering Detail' dialog box.

The 'Offerings' list contains the following items:

- ACT
- AVE
- Bar
- DEF
- DPT
- DIR
- HI
- IHUM
- IRR
- MAX
- MIN
- RFI
- SAT
- THSW
- THW
- TOT

The 'Offering Detail' dialog box displays the following fields:

- Code: CUML
- Name: Cumulative
- Description: Sum

A validation message at the bottom left of the dialog box states: "Form is valid". A red box highlights this message. A red box also highlights the "Save" button at the bottom right of the dialog box.

The browser header shows the URL: observations.brittondev.co.za/Default.aspx. The page footer indicates "Displaying 1 - 21 of 21".

Create an Offering

Environmental Observatio x observations.brittondev.co.za/Default.aspx

Logout

Environmental Observations

Navigation

- System Administration
- Data Views
- Master Data Management
 - Organisations
 - Projects/Sites
 - Stations
 - Data Sources
 - Data Schemas
 - Sensors
 - Phenomenon
 - Unit of Measure
 - Offerings
- Import Batches

Offerings

Add Offering

To Excel To CSV

Code	Name	Description	Action
ACT	Actual	Actual	?
AVE	Average	Average	?
Bar	Barometric Pressure	Atmospheric pressure which is then...	?
CUML	Cumulative	Sum	?
DEF	Deficit	Deficit (Vapour Pressure)	?
DPT	Dew Point	The dew point is the temperature w...	?
DIR	Direction	Wind direction	?
HI	Heat Index	Temperature perceived by humans ...	?
IHUM	Inside Humidity	Humidity inside the weather station	?
IRR	Irradiance	Irradiance	?
MAX	Maximum	Maximum	?
MIN	Minimum	Minimum	?
RFI	Rainfall Intensity	Total rainfall per hour	?
SAT	Saturated	Saturated (Vapour Pressure)	?
THSW	THSW Index	Apparent temperature taking into a...	?
TOTAL	Total	Overall total of all offerings	?

Displaying 1 - 22 of 22

Edit an Offering



SAEON
South African Environmental
Observation Network

Environmental Observatio x observations.brittondev.co.za/Default.aspx

Logout

Environmental Observations

Navigation

- System Administration
- Data Views
- Master Data Management
 - Organisations
 - Projects/Sites
 - Stations
 - Data Sources
 - Data Schemas
 - Sensors
 - Phenomenon
 - Unit of Measure
 - Offerings
- Import Batches

Offerings

Add Offering

To Excel To CSV

Code	Name	Description	Action
ACT	Actual	Actual	
AVE	Average	Average	
Bar	Barometric Pressure	Atmospheric pressure which is then...	
CUML	Cumulative	Sum	
DEF	Deficit	Deficit (Vapour Pressure)	
DPT	Dew Point	The dew point is the temperature w...	
DIR	Direction	Wind direction	
HI	Heat Index	Temperature perceived by humans ...	
IHUM	Inside Humidity	Humidity inside the weather station	
IRR	Irradiance	Irradiance	
MAX	Maximum	Maximum	
MIN	Minimum	Minimum	
RFI	Rainfall Intensity	Total rainfall per hour	
SAT	Saturated	Saturated (Vapour Pressure)	
THSW	THSW Index	Apparent temperature taking into a...	

Displaying 1 - 22 of 22

Linking Offerings and Units



SAEON
South African Environmental
Observation Network

Environmental Observatio x observations.brittondev.co.za/Default.aspx

Logout

Environmental Observations

Navigation

- System Administration
- Data Views
- Master Data Management
 - Organisations
 - Projects/Sites
 - Stations
 - Data Sources
 - Data Schemas
 - Sensors
 - Phenomenon** (highlighted with a red box)
 - Unit of Measure
 - Offerings
 - Import Batches

Phenomenon

Phenomenons

Code	Name	Url	Des
ALT	Altitude		A
CO2C	Carbon Dioxide Concentr...	http://www.opengeospatial.org/	C
EVAP	Evapotranspiration		E
FDI	Fire Danger Index		F
HU	Heat Units		H
HMY	Humidity		H

Add Phenomenon To Excel To CSV

Displaying 1 - 18 of 18

Offerings

Code	Name	Description
------	------	-------------

Add Offering

Unit of Measurements

Add Unit

Code	Unit	Symbol
------	------	--------

Linking Offerings and Units



SAEON
South African Environmental
Observation Network

Environmental Observatio x observations.brittondev.co.za/Default.aspx

Logout

Environmental Observations

Navigation

- System Administration
- Data Views
- Master Data Management
 - Organisations
 - Projects/Sites
 - Stations
 - Data Sources
 - Data Schemas
 - Sensors
 - Phenomenon**
 - Unit of Measure
 - Offerings
 - Import Batches

Phenomenon

Phenomenons

Code	Name	Url
ALT	Altitude	
CO2C	Carbon Dioxide Concentr...	http://www.opengeospatial.org/
EVAP	Evapotranspiration	
FDI	Fire Danger Index	
HU	Heat Units	
HMY	Humidity	

Add Phenomenon To Excel To CSV

Offerings

Code	Name	Description

Add Offering

Unit of Measurements

Code	Unit	Symbol

Add Unit

Page 1 of 1 Displaying 1 - 18 of 18

observations.brittondev.co.za/Admin/Phenomenon.aspx?1366897312826#

Linking Offerings and Units



SAEON
South African Environmental
Observation Network

Environmental Observatio x observations.brittondev.co.za/Default.aspx

Logout

Environmental Observations

Navigation

- System Administration
- Data Views
- Master Data Management
 - Organisations
 - Projects/Sites
 - Stations
 - Data Sources
 - Data Schemas
 - Sensors
 - Phenomenon**
 - Unit of Measure
 - Offerings
 - Import Batches

Phenomenon

Phenomenons

Add Phenomenon

Code	Name	Url	Des
ALT	Altitude		A
CO2C	Carbon Dioxide Concentr...	http://www.opengeospatial.org/	C
EVAP	Evapotranspiration		E
FDI	Fire Danger Index		F
HU	Heat Units		H
HMY	Humidity		H

Page 1 of 1 Displaying 1 - 18 of 18

Offerings

Add Offering

Code	Name	Description
------	------	-------------

Unit of Measurements

Add Unit

Code	Unit	Symbol		
------	------	--------	--	--

observations.brittondev.co.za/Admin/Phenomenon.aspx?1366897312826#

Linking Offerings and Units



SAEON
South African Environmental
Observation Network

Environmental Observatio x observations.brittondev.co.za/Default.aspx

Logout

Environmental Observations

Navigation

- System Administration
- Data Views
- Master Data Management
 - Organisations
 - Projects/Sites
 - Stations
 - Data Sources
 - Data Schemas
 - Sensors
 - Phenomenon**
 - Unit of Measure
 - Offerings
 - Import Batches

Phenomenon

Phenomenons

Add Phenomenon

Code	Name	Url	Des
ALT	Altitude		A
CO2C	Carbon Dioxide Concentr...	http://www.opengeospatial.org/	C
EVAP	Evapotranspiration		E
FDI	Fire Danger Index		F
HU	Heat Units		H
HMY	Humidity		H

Page 1 of 1 Displaying 1 - 18 of 18

Offerings

Add Offering

Code	Name	Description
------	------	-------------

Unit of Measurements

Add Unit

Code	Unit	Symbol		
------	------	--------	--	--

observations.brittondev.co.za/Admin/Phenomenon.aspx?1366897312826#

Linking Offerings and Units



SAEON
South African Environmental
Observation Network

Environmental Observatio x observations.brittondev.co.za/Default.aspx

Logout

Environmental Observations

Navigation

- System Administration
- Data Views
- Master Data Management
 - Organisations
 - Projects/Sites
 - Stations
 - Data Sources
 - Data Schemas
 - Sensors
 - Phenomenon
 - Unit of Measure
 - Offerings
- Import Batches

Phenomenon

Phenomenons

Add Phenomenon

Available Offerings

Code	Name	Description
ALT	Actual	Actual
CO2	Average	Average
EVAP	Bar	Barometric Pressure
FDI	CUMUL	Cumulative
HU	DEF	Deficit
HMY	DPT	Dew Point
	DIR	Direction
	HI	Heat Index
	IHUM	Inside Humidity
	IRR	Irradiance

To Excel To CSV Add Offering

Offerings

Code Name Description

Save

The screenshot shows a web-based environmental observation management system. A red box highlights the 'Available Offerings' modal window, which lists various atmospheric and environmental parameters. Another red box highlights the 'Save' button at the bottom right of the modal. The navigation sidebar on the left includes links for System Administration, Data Views, Master Data Management (with sub-links for Organisations, Projects/Sites, Stations, Data Sources, Data Schemas, Sensors, Phenomenon, Unit of Measure, Offerings, and Import Batches), and a Logout link. The main content area displays the 'Phenomenon' section, showing a list of available offerings like ACT, AVE, Bar, CUMUL, DEF, DPT, DIR, HI, IHUM, and IRR, along with their names and descriptions. Buttons for 'To Excel' and 'To CSV' are also visible.

Linking Offerings and Units



SAEON
South African Environmental
Observation Network

Environmental Observatio x observations.brittondev.co.za/Default.aspx

Logout

Environmental Observations

Navigation

- System Administration
- Data Views
- Master Data Management
 - Organisations
 - Projects/Sites
 - Stations
 - Data Sources
 - Data Schemas
 - Sensors
 - Phenomenon
 - Unit of Measure
 - Offerings**
 - Import Batches

Phenomenon

Phenomenons

Add Phenomenon To Excel To CSV

Code	Name	Description
ALT	Altitude	Altitude
CO2C	Carbon Dioxide Concentr...	Concentration of carbon dioxide in t...
EVAP	Evapotranspiration	Evapotranspiration
FDI	Fire Danger Index	Fire Danger Index
HU	Heat Units	Heat Units
HMY	Humidity	Humidity

Page 1 of 1 Displaying 1 - 18 of 18

Offerings

Add Offering

Code	Name	Description
ACT	Actual	Actual
CUML	Cumulative	Sum
AVE	Average	Average

Unit of Measurements

Add Unit

Code	Unit	Symbol
------	------	--------

Linking Offerings and Units



SAEON
South African Environmental
Observation Network

Environmental Observatio x observations.brittondev.co.za/Default.aspx

Logout

Environmental Observations

Navigation

- System Administration
- Data Views
- Master Data Management
 - Organisations
 - Projects/Sites
 - Stations
 - Data Sources
 - Data Schemas
 - Sensors
 - Phenomenon
 - Unit of Measure
- Offerings
- Import Batches

Phenomenon

Phenomenons

Code	Name	Description
ALT	Altitude	Altitude
CO2C	Carbon Dioxide Concentr...	Concentration of carbon dioxide in t...
EVAP	Evapotranspiration	Evapotranspiration
FDI	Fire Danger Index	Fire Danger Index
HU	Heat Units	Heat Units
HMY	Humidity	Humidity

Offerings

Code	Name	Description
ACT	Actual	Actual
CUML	Cumulative	Sum
AVE	Average	Average

Unit of Measurements

Add Unit

Code	Unit	Symbol

Linking Offerings and Units



SAEON
South African Environmental
Observation Network

Screenshot of the Environmental Observations application interface.

The navigation menu on the left includes:

- System Administration
- Data Views
- Master Data Management
- Organisations
- Projects/Sites
- Stations
- Data Sources
- Data Schemas
- Sensors
- Phenomenon
- Unit of Measure
- Offerings** (selected)
- Import Batches

The main content area shows the "Phenomenon" screen with the following sections:

- Phenomenons**: A list of phenomena with their codes: ALT, CO2C, EVAP, FDI, HU, HMY.
- Available Units**: A table listing units with checkboxes for selection:

Code	Unit	Symbol
ALT	Meters per second	m/s
CO2C	Micro mole	µmol
EVAP	mile per hour	mph
FDI	Millimeters per hour	mm/h
HU	Millimeter	mm
HMY	MJ/m ²	MJ
PPMV	Parts per Million by Volume	ppmv
PECT	Percent	%
VP	Vapour Pressure	~~
WSM	Watts per square meter	W/m ²
- Offerings**: A list of offerings with descriptions and icons:

Description
Actual
Sum
Average

A red box highlights the "PPMV" row in the "Available Units" table. A red button labeled "Save" is highlighted at the bottom right of the "Available Units" panel.

Linking Offerings and Units



SAEON
South African Environmental
Observation Network

Environmental Observatio x observations.brittondev.co.za/Default.aspx Logout

Environmental Observations

Navigation

- System Administration
- Data Views
- Master Data Management
 - Organisations
 - Projects/Sites
 - Stations
 - Data Sources
 - Data Schemas
 - Sensors
 - Phenomenon
 - Unit of Measure
 - Offerings
 - Import Batches

Phenomenon

Offerings

Unit of Measurements

The screenshot shows a web-based environmental observation management system. The left sidebar provides navigation links for various administrative and data management tasks. The main area displays three data lists: 'Phenomenon', 'Offerings', and 'Unit of Measurements'. The 'Offerings' and 'Unit of Measurements' sections are highlighted with red boxes. The 'Offerings' section contains four entries: ACT (Actual), CUML (Cumulative), and AVE (Average). The 'Unit of Measurements' section contains one entry: PPMV (Parts per Million by Volume).

Code	Name	Description
ALT	Altitude	Altitude
CO2C	Carbon Dioxide Concentr...	Concentration of carbon dioxide in t...
EVAP	Evapotranspiration	Evapotranspiration
FDI	Fire Danger Index	Fire Danger Index
HU	Heat Units	Heat Units
HMY	Humidity	Humidity

Code	Name	Description
ACT	Actual	Actual
CUML	Cumulative	Sum
AVE	Average	Average

Code	Unit	Symbol
PPMV	Parts per Million by Volume	ppmv

Deleting Offerings and Units

Environmental Observations

Logout

Navigation

- System Administration
- Data Views
- Master Data Management
 - Organisations
 - Projects/Sites
 - Stations
 - Data Sources
 - Data Schemas
 - Sensors
 - Phenomenon
 - Unit of Measure
 - Offerings
 - Import Batches

Phenomenon

Offerings

Unit of Measurements

The screenshot shows a web-based environmental observation management system. The left sidebar contains a navigation menu with links for System Administration, Data Views, Master Data Management (including Organisations, Projects/Sites, Stations, Data Sources, Data Schemas, Sensors, Phenomenon, Unit of Measure, Offerings, and Import Batches), and a Logout button. The main content area has three tabs: 'Phenomenon', 'Offerings', and 'Unit of Measurements'. The 'Offerings' tab is currently active, displaying a list of offerings with columns for Code, Name, and Description. Three offerings are highlighted with red boxes around their delete icons: ACT (Actual), CUML (Cumulative), and AVE (Average). The 'Unit of Measurements' tab shows a single entry for PPMV (Parts per Million by Volume) with its symbol 'ppmv' and a red box around its delete icon.

Code	Name	Description
ALT	Altitude	Altitude
CO2C	Carbon Dioxide Concentr...	Concentration of carbon dioxide in t...
EVAP	Evapotranspiration	Evapotranspiration
FDI	Fire Danger Index	Fire Danger Index
HU	Heat Units	Heat Units
HMY	Humidity	Humidity

Code	Name	Description
ACT	Actual	Actual
CUML	Cumulative	Sum
AVE	Average	Average

Code	Unit	Symbol
PPMV	Parts per Million by Volume	ppmv

Downloading lists

Environmental Observations

Logout

Navigation

- System Administration
- Data Views
- Master Data Management
 - Organisations
 - Projects/Sites
 - Stations
 - Data Sources
 - Data Schemas
 - Sensors
 - Phenomenon
 - Unit of Measure
 - Offerings
 - Import Batches

Phenomenon

Phenomenons

Add Phenomenon

Code	Name	Description
ALT	Altitude	Altitude
CO2C	Carbon Dioxide Concentr...	Concentration of carbon dioxide in t...
EVAP	Evapotranspiration	Evapotranspiration
FDI	Fire Danger Index	Fire Danger Index
HU	Heat Units	Heat Units
HMY	Humidity	Humidity

To Excel To CSV

Offerings

Add Offering

Code	Name	Description
ACT	Actual	Actual
CUML	Cumulative	Sum
AVE	Average	Average

Unit of Measurements

Add Unit

Code	Unit	Symbol
PPMV	Parts per Million by Volume	ppmv

Observations Database



Data Provider Administration

Create an Organization



SAEON
South African Environmental
Observation Network

Environmental Observatio x

observations.brittondev.co.za/Default.aspx

Logout

Environmental Observations

Navigation

- [System Administration](#)
- [Data Views](#)
- [Master Data Management](#)
 - [Organisations](#) (highlighted with a red box)
 - [Projects/Sites](#)
 - [Stations](#)
 - [Data Sources](#)
 - [Data Schemas](#)
 - [Sensors](#)
 - [Phenomenon](#)
 - [Unit of Measure](#)
 - [Offerings](#)
 - [Import Batches](#)

Create an Organization



SAEON
South African Environmental
Observation Network

Screenshot of the Environmental Observations application interface showing the 'Organisations' page.

The page title is 'Environmental Observations' and the URL is 'observations.brittondev.co.za/Default.aspx'.

The left sidebar navigation includes:

- System Administration
- Data Views
- Master Data Management
 - Organisations
 - Projects/Sites
 - Stations
 - Data Sources
 - Data Schemas
 - Sensors
 - Phenomenon
 - Unit of Measure
 - Offerings
 - Import Batches

The main content area shows the 'Organisations' list with the following data:

Code	Name	Description	Action
ARC	ARC	Agricultural Research Council	🔗
EKZN	Ezemvelo KZN Wildlife	Ezemvelo KZN Wildlife - is entrusted...	🔗
FARM	Farmer's rainfall data	Ad-hoc data collected by South Afric...	🔗
LIVELAND	Living Lands	Living Lands is a not-for-profit organ...	🔗
PMN	Phalaborwa Mining Company	Collaborative work with PhalaMin	🔗
SAEON	SAEON	South African Environmental Observ...	🔗

A red box highlights the 'Add Organisation' button in the top-left corner of the list area, and another red box highlights the entire list table.

Buttons at the top right include 'Logout', 'To Excel', and 'To CSV'.

Create an Organization



SAEON
South African Environmental
Observation Network

Environmental Observatio x observations.brittondev.co.za/Default.aspx

Logout

Environmental Observations

Navigation

- System Administration
- Data Views
- Master Data Management
 - Organisations
 - Projects/Sites
 - Stations
 - Data Sources
 - Data Schemas
 - Sensors
 - Phenomenon
 - Unit of Measure
 - Offerings
 - Import Batches

Organisations

Add Organisation

Code	Name	Description
ARC		
EKZN		
FARM		
LIVELAND		
PMN		
SAEON		

To Excel To CSV

Organisation Detail

Code: SANP

Name: South African National Parks

Description: SANParks manages all 19 National Parks in South Africa. Head Office at Groenkloof, Pretoria.

Form is valid

Save

observations.brittondev.co.za/Admin/Organisation.aspx?1366967312599#

Displaying 1 - 6 of 6

Edit Organization



SAEON
South African Environmental
Observation Network

Environmental Observatio x observations.brittondev.co.za/Default.aspx

Logout

Environmental Observations

Navigation

- System Administration
- Data Views
- Master Data Management
 - Organisations
 - Projects/Sites
 - Stations
 - Data Sources
 - Data Schemas
 - Sensors
 - Phenomenon
 - Unit of Measure
 - Offerings
 - Import Batches

Organisations

Add Organisation

To Excel To CSV

Code	Name	Description	Actions
ARC	ARC	Agricultural Research Council	
EKZN	Ezemvelo KZN Wildlife	Ezemvelo KZN Wildlife - is entrusted...	
FARM	Farmer's rainfall data	Ad-hoc data collected by South Afric...	
LIVELAND	Living Lands	Living Lands is a not-for-profit organ...	
PMN	Phalaborwa Mining Company	Collaborative work with PhalaMin	
SAEON	SAEON	South African Environmental Observ...	
SANP	South African National Parks	SANParks manages all 19 National ...	

The row for SANP is highlighted with a red box.

observations.brittondev.co.za/Admin/Organisation.aspx?1366967312599#

Displaying 1 - 7 of 7

Create Project/Site



Environmental Observatio x observations.brittondev.co.za/Default.aspx

Logout

Environmental Observations

Navigation

- [System Administration](#)
- [Data Views](#)
- [Master Data Management](#)
 - [Organisations](#)
 - [Projects/Sites](#)
 - [Stations](#)
 - [Data Sources](#)
 - [Data Schemas](#)
 - [Sensors](#)
 - [Phenomenon](#)
 - [Unit of Measure](#)
 - [Offerings](#)
 - [Import Batches](#)

Create Project/Site



SAEON
South African Environmental
Observation Network

Environmental Observatio x

observations.brittondev.co.za/Default.aspx

Logout

Environmental Observations

Navigation

- System Administration
- Data Views
- Master Data Management
 - Organisations
 - Projects/Sites
 - Stations
 - Data Sources
 - Data Schemas
 - Sensors
 - Phenomenon
 - Unit of Measure
 - Offerings
 - Import Batches

Projects/Sites

Add Project/Site

Code	Name	Description	Organisation
BSK	Bassonskloof	Bassonskloof - Somerset East	FARM - Farmer's rainfall data
BHF	Bloemhof Farm	Bloemhof farm situated near Graaf ...	FARM - Farmer's rainfall data
CTP	Cathedral Peak	Cathedral Peak - KwaZulu-Natal	SAEON - SAEON
HNB	Haenertsburg	Haenertsburg, situated in the foothil...	SAEON - SAEON
HB	Hospital bend	Soil Moisture and Weather from Ho...	SAEON - SAEON
ISI	iSimangaliso	The Park extends from Mphelani in ...	EKZN - Ezemvelo KZN Wildlife
JOACHIMS	Joachimskraal farm	Joachimskraal farm, Baviaanskloof, ...	LIVELAND - Living Lands
JHK	Jonkershoek	Jonkershoek Valley outside Stellen...	SAEON - SAEON
JHK_ARC	Jonkershoek Weather Station	Swartboskloof Automated Weather ...	ARC - ARC
LJM	Lajuma	An elevation standing high above t...	SAEON - SAEON
LTB_Exclo	Letaba Exclosure, Kruger National ...	In small cleared area next to road, ...	SAEON - SAEON
Mjj_HS	Majeje High School	In open grounds next to school buid...	SAEON - SAEON
MRS	Mariepskop	--	SAEON - SAEON
OWPNR	Olifants West Private Nature Reserve	In front of research house, near ent...	SAEON - SAEON
PHB	Phalaborwa Weather Station	Research conducted on PhalaMin I...	PMN - Phalaborwa Mining Company
Pha...	SAEON Nelspruit office	Next to the office building	SAEON - SAEON

Page 1 of 1

Displaying 1 - 18 of 18

Create Project/Site



SAEON
South African Environmental
Observation Network

Environmental Observatio × Jakkalsrivier, South Africa × Microsoft Word

observations.brittondev.co.za/Default.aspx

Logout

Environmental Observations

Navigation

- System Administration
- Data Views
- Master Data Management
- Organisations
- Projects/Sites**
- Stations
- Data Sources
- Data Schemas
- Sensors
- Phenomenon
- Unit of Measure
- Offerings
- Import Batches

Project / Sites

+ Add Project/Site

Code

- BSK
- BHF
- CTP
- HNB
- HB
- ISI
- JOACHIMS
- JHK
- JHK_ARC
- LJM
- LTB_Exclo
- Mjj_HS
- MRS
- OWPNR
- PHB

Project / Site Detail

Code:

Name:

SAEON

Description:

Form is valid

Save

To Excel To CSV

Displaying 1 - 18 of 18

Create Project/Site



SAEON
South African Environmental
Observation Network

The screenshot shows a web-based application for environmental observations. The top navigation bar includes tabs for 'Environmental Observatio' and 'Jakkalsrivier, South Africa'. The URL in the address bar is 'observations.brittondev.co.za/Default.aspx'. The main title 'Environmental Observations' is at the top left, and a 'Logout' button is at the top right.

The left sidebar, titled 'Navigation', contains links for 'System Administration', 'Data Views', 'Master Data Management', and various data types like 'Organisations', 'Projects/Sites', 'Stations', etc.

The central area shows a list of 'Project / Sites' with codes such as BSK, BHF, CTP, HNB, HB, iSi, JKR, JOACHIMS, JHK, JHK_ARC, LJM, LTB_Exclo, Mjj_HS, MRS, and OWPNR.

A modal dialog box titled 'Project / Site Detail' is open, prompting for a 'Code'. The input field contains 'JKR', which is highlighted with a red border. A tooltip message 'The specified Project Code already exists' is displayed next to the input field. Below the input field, a message 'Form is invalid' is shown. At the bottom right of the modal is a 'Save' button.

To the right of the modal, a list of existing projects is visible, each with a small icon and the name 'SAEON'. A red box highlights the entry for 'SAEON'.

The bottom of the screen shows a footer with page navigation icons and the text 'Displaying 1 - 19 of 19'.

Create Station

Environmental Observatio x observations.brittondev.co.za/Default.aspx

Logout

Environmental Observations

Navigation

-  System Administration
-  Data Views
-  Master Data Management
 -  Organisations
 -  Projects/Sites
 -  Stations**
 -  Data Sources
 -  Data Schemas
 -  Sensors
 -  Phenomenon
 -  Unit of Measure
 -  Offerings
 -  Import Batches

Create Station



SAEON

South African Environmental
Observation Network

Environmental Observatio x Microsoft Microsoft Word

observations.brittondev.co.za/Default.aspx

Logout

Environmental Observations

Navigation

- System Administration
- Data Views
- Master Data Management
 - Organisations
 - Projects/Sites
 - Stations**
 - Data Sources
 - Data Schemas
 - Sensors
 - Phenomenon
 - Unit of Measure
 - Offerings
 - Import Batches

Stations

Add Station

Code	Name	Project / Site	Url	Latitude	Longitude	Description	Actions
ARC_SBK	ARC-AWS Jonkershoek	JHK_ARC - Jo...		-33.986...	18.954607	ARC Automat...	
BSK	Bassonskloof rain gauge	BSK - Basson...	http://data.saeon.ac.za	33.25639	25.78556	Bassonskloof ...	
BMH_R	Bloemhof Farm rain gauge	BHF - Bloemh...		-32.043	24.673	Rain gauge st...	
JHK_BBK	Bosboukloof	JHK - Jonkers...		-33.961...	18.931404	Bosboukloof	
CP_Peak2br	Cathedral Peak 2	CTP - Cathed...		-28.98	29.25	Cathedral Pe...	
CTP_AWS_CR100	Cathedral Peak Automated We...	CTP - Cathed...				Automated W...	
FAN	Fanies Island	iSi - iSimanga...		-28.1	32.45	The main lak...	
HNB_AWS	Haenertsburg Davis Pro2 AWS	HNB - Haener...	http://www.saeon.ac.za...	-23.941...	29.940556	Vantage Pro2...	
HB_SM	Hospital Bend Soil Moisture	HB - Hospital ...		-33.947...	18.465828	CR1000 Volu...	
HB_T	Hospital Bend Weather station	HB - Hospital ...		-33.947...	18.465828	Hospital Bend...	
JOACHAWS	Joachimskraal Davis Vantage P...	JOACHIMS - J...	http://www.davisnet.co...	-33.59034	24.1396	Davis Vantag...	
laju_12N	Lajuma 12N Davis Vantage Vue	LJM - Lajuma		-22.99154	29.42433	In open area, ...	
laju_12S	Lajuma 12S Davis Vantage Pro2	LJM - Lajuma		-23.04072	29.44525	In old field ne...	
laju_17N	Lajuma 17N Davis Vantage Vue	LJM - Lajuma		-23.02486	29.42891	Ontop of rock...	
laju_8N	Lajuma 8N Davis Vantage Vue	LJM - Lajuma		-22.9448	29.43838	In flat open gr...	

Displaying 1 - 25 of 28

Create Station

Environmental Observatio x

observations.brittondev.co.za/Default.aspx

Logout

Environmental Observations

Navigation

- System Administration
- Data Views
- Master Data Management
 - Organisations
 - Projects/Sites
 - Stations
- Data Sources
- Data Schemas
- Sensors
- Phenomenon
- Unit of Measure
- Offerings
- Import Batches

Stations

Add Station

Code	Name	Project / Site	Url
ARC_SBK	Biesiesvlei catchment	Jonkershoek	
BSK			
BMH_R			
JHK_BBK			
CP_Peak20			
CTP_AWS			
FAN			
HNB_AWS			
HB_SM			
HB_T			
JOACHAWS			
laju_12N			
laju_12S			
laju_17N			
laju_8N			
LOR			

Station Detail

Code: JHK_BSVL Name: Biesiesvlei catchment

Project / Site: Jonkershoek Url:

Description: Biesiesvlei catchment in the Jonkershoek valley.

Latitude: 33.976608 Longitude: 18.948644 Elevation:

Form is valid

Save

Edit Station



SAEON
South African Environmental
Observation Network

Environmental Observatio x

observations.brittondev.co.za/Default.aspx

Logout

Environmental Observations

Navigation

- System Administration
- Data Views
- Master Data Management
 - Organisations
 - Projects/Sites
 - Stations**
- Data Sources
- Data Schemas
- Sensors
- Phenomenon
- Unit of Measure
- Offerings
- Import Batches

Stations

Add Station

To Excel To CSV

Code	Name	Project / Site	Url	Latitude	Longitude	Description	Actions
ARC_SBK	ARC-AWS Jonkershoek	JHK_ARC - Jo...		-33.986...	18.954607	ARC Automat...	
BSK	Bassonskloof rain gauge	BSK - Basson...	http://data.saeon.ac.za	33.25639	25.78556	Bassonskloof ...	
JHK_BSVL	Biesiesvlei catchment	JHK - Jonkers...		33.976608	18.948644	Biesiesvlei ca...	
BMH_R	Bloemhof Farm rain gauge	BHF - Bloemh...		-32.043	24.673	Rain gauge st...	
JHK_BBK	Bosboukloof	JHK - Jonkers...		-33.961...	18.931404	Bosboukloof	
CP_Peak2br	Cathedral Peak 2	CTP - Cathed...		-28.98	29.25	Cathedral Pe...	
CTP_AWS_CR100	Cathedral Peak Automated We...	CTP - Cathed...				Automated W...	
FAN	Fanies Island	ISI - iSimanga...		-28.1	32.45	The main lak...	
HNB_AWS	Haenertsburg Davis Pro2 AWS	HNB - Haener...	http://www.saeon.ac.za...	-23.941...	29.940556	Vantage Pro2...	
HB_SM	Hospital Bend Soil Moisture	HB - Hospital ...		-33.947...	18.465828	CR1000 Volu...	
HB_T	Hospital Bend Weather station	HB - Hospital ...		-33.947...	18.465828	Hospital Bend...	
JOACHAWS	Joachimskraal Davis Vantage P...	JOACHIMS - J...	http://www.davisnet.co...	-33.59034	24.1396	Davis Vantag...	
laju_12N	Lajuma 12N Davis Vantage Vue	LJM - Lajuma		-22.99154	29.42433	In open area, ...	
laju_12S	Lajuma 12S Davis Vantage Pro2	LJM - Lajuma		-23.04072	29.44525	In old field ne...	
laju_17N	Lajuma 17N Davis Vantage Vue	LJM - Lajuma		-23.02486	29.42891	Ontop of rock...	
laju_18N	Lajuma 18N Davis Vantage Vue	LJM - Lajuma		-23.01410	29.43000	In flat area, ...	

Define the Data Schema

Environmental Observatio x observations.brittondev.co.za/Default.aspx

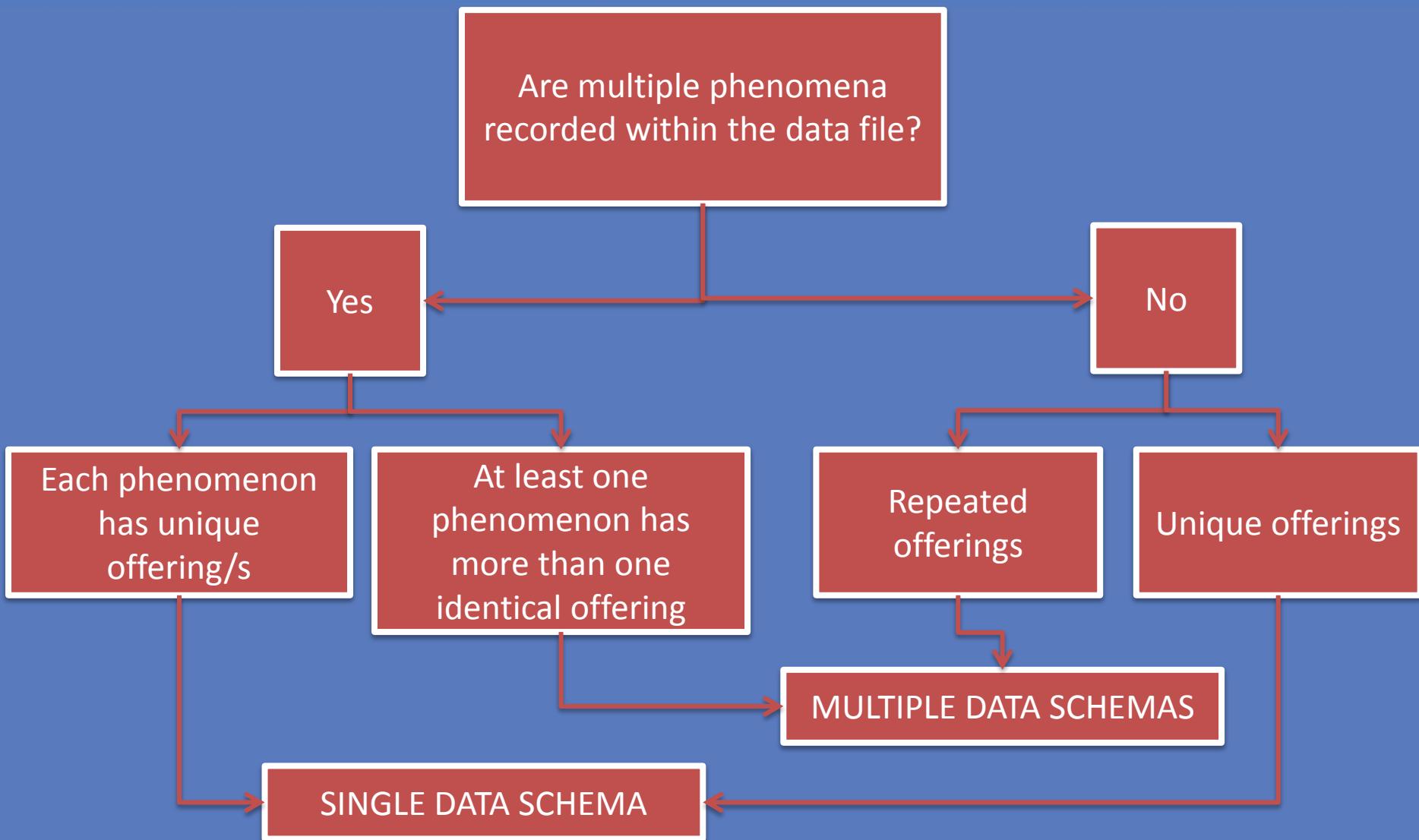
Logout

Environmental Observations

Navigation

- System Administration
- Data Views
- Master Data Management
 - Organisations
 - Projects/Sites
 - Stations
 - Data Sources
 - Data Schemas**
 - Sensors
 - Phenomenon
 - Unit of Measure
 - Offerings
 - Import Batches

Define the Data Schema



Define the Data Schema

Single Data Schema

Single Data schema

Environmental Observations

Logout

Add Schema

Code	Name	Description	Source Type	Code	Type
ACSYS_R	ACSYSrainfall	Historical rainfall data	Flat		Fixed Length
ACSYS_S	ACSYSstreamflow	Historical streamflow data	Flat		Fixed Length
ARC_AWS	ARC_AWS	Automated Weather Station - ARC	CSV		Comma
VWC_1	Campbell_Scientific_CL616_1	Campbell Scientific average volume...	CSV		Comma
VWC_2	Campbell_Scientific_CL616_2	Campbell Scientific CL616 average ...	CSV		Comma
VWC_3	Campbell_Scientific_CL616_3	Campbell Scientific average volume...	CSV		Comma
VWC_4	Campbell_Scientific_CL616_4	Campbell Scientific average volume...	CSV		Comma
VWC_5	Campbell_Scientific_CL616_5	Campbell Scientific average volume...	CSV		Comma
VWC_6	Campbell_Scientific_CL616_6	Campbell Scientific average volume...	CSV		Comma
VWC_Temp1	Campbell_Scientific_CL616_7	Campbell Scientific average temper...	CSV		Comma
VWC_Temp2	Campbell_Scientific_CL616_8	Campbell scientific average temper...	CSV		Comma
CS_CR100	Campbell_Scientific_CR100	Campbell Scientific CR100 Automat...	CSV		Comma
DVP2	Davis_Vantage_Pro2	Davis Vantage Pro2 - Automated W...	CSV		Comma
DVV	Davis_Vantage_Vue	Davis Vantage Vue - Automated W...	CSV		Comma
FARM2	Farmer_daily_rainfall	Daily rainfall template with daily rain...	CSV		Comma

Page 1 of 2

Displaying 1 - 25 of 26

Single Data schema



SAEON
South African Environmental
Observation Network

Environmental Observatio x

observations.brittondev.co.za/Default.aspx

Environmental Observations

Navigation

Data Schemas

Add Schema

Code

ACSYS_R

ACSYS_S

ARC_AWS

VWC_1

VWC_2

VWC_3

VWC_4

VWC_5

VWC_6

VWC_Temp1

VWC_Temp2

CS_CR100

DVP2

DVV

FARM2

FARM1

HB_AWS

HOBO

OM_WL

OTT_OM_WT

ertf

Data Schema Detail

Code: HOBO_UA00364

Source Type: Comma Delimited Text File

Ignore first # of lines on import: 2

Record Condition - Ignore fields that start with:

Name: HOBO_Pendant_Event_Data_Logger_UA_003_64

Delimiter: Comma Delimited (,)

Ignore last # of lines on import: 0

Description: Logger works with 7852M Metric Davis Rain Gauge tipping-bucket. The logger records rainfall events of 0.2mm and temperature.

File Split Condition - Data Split:

Data file Split Index:

Form is valid

Save

To Excel To CSV

Logout

Displaying 1 - 25 of 26

The screenshot displays a web-based environmental observation management system. On the left, a navigation sidebar lists various categories like System Administration, Data Views, and Master Data Management. Under 'Master Data Management', 'Data Schemas' is selected. In the center, a 'Data Schema Detail' dialog is open, showing configuration for a schema named 'HOBO_UA00364'. The dialog includes fields for Code, Name, Source Type (set to 'Comma Delimited Text File'), Delimiter (set to 'Comma Delimited (,)'), and a detailed Description. The 'Code' and 'Name' fields are specifically highlighted with red boxes. At the bottom of the dialog, a message 'Form is valid' is shown next to a green checkmark icon. A 'Save' button is located at the bottom right of the dialog. The background shows a list of other data schemas such as ACSYS_R, ACSYS_S, ARC_AWS, VWC_1, etc. The top of the page shows a browser header with the URL 'observations.brittondev.co.za/Default.aspx' and a 'Logout' link.



Single Data schema



Environmental Observatio x observations.brittondev.co.za/Default.aspx

Logout

Environmental Observations

Navigation

- System Administration
- Data Views
- Master Data Management
 - Organisations
 - Projects/Sites
 - Stations
 - Data Sources
 - Data Schemas**
 - Sensors
 - Phenomenon
 - Unit of Measure
 - Offerings
 - Import Batches

Data Schemas

Add Schema

To Excel To CSV

Code	Name	Description	Source Type Code	Source Type Description			
ACSYS_R	ACSYSrainfall	Historical rainfall data	Flat	Fixed Length Flat file			
ACSYS_S	ACSYSstreamflow	Historical streamflow data	Flat	Fixed Length Flat file			
ARC_AWS	ARC_AWS	Automated Weather Station - ARC	CSV	Comma Delimited Text File			
VWC_1	Campbell_Scientific_CL616_1	Campbell Scientific average volumetric water conte...	CSV	Comma Delimited Text File			
VWC_2	Campbell_Scientific_CL616_2	Campbell Scientific CL616 average volumetric water...	CSV	Comma Delimited Text File			
VWC_3	Campbell_Scientific_CL616_3	Campbell Scientific average volumetric water conte...	CSV	Comma Delimited Text File			
VWC_4	Campbell_Scientific_CL616_4	Campbell Scientific average volumetric water conte...	CSV	Comma Delimited Text File			
VWC_5	Campbell_Scientific_CL616_5	Campbell Scientific average volumetric water conte...	CSV	Comma Delimited Text File			
VWC_6	Campbell_Scientific_CL616_6	Campbell Scientific average volumetric water conte...	CSV	Comma Delimited Text File			
VWC_Temp1	Campbell_Scientific_CL616_7	Campbell Scientific average temperature - 1	CSV	Comma Delimited Text File			
VWC_Temp2	Campbell_Scientific_CL616_8	Campbell scientific average temperature - 2	CSV	Comma Delimited Text File			
CS_CR100	Campbell_Scientific_CR100	Campbell Scientific CR100 Automated Weather Station	CSV	Comma Delimited Text File			
DVP2	Davis_Vantage_Pro2	Davis Vantage Pro2 - Automated Weather Station	CSV	Comma Delimited Text File			
DVV	Davis_Vantage_Vue	Davis Vantage Vue - Automated Weather Station	CSV	Comma Delimited Text File			
FARM2	Farmer_daily_rainfall	Daily rainfall template with daily rainfall totals	CSV	Comma Delimited Text File			
FARM1	Farmer_daily_rainfall_timed	Daily rainfall template with time of rainfall	CSV	Comma Delimited Text File			
HB_AWS	HB_Automated_Weather_S	Hospital Bend Weather station	CSV	Comma Delimited Text File			
HOBO_UA00364	HOBO_Pendant_Event_Data_Logger_UA_003_64	Logger works with 7852M Metric Davis Rain Gauge ...	CSV	Comma Delimited Text File			
HOBO	HOBO_Temp	Temperature	CSV	Comma Delimited Text File			
OM_WL	Opheus_Mini_Water_Level	Water level data from Opheus Mini	CSV	Comma Delimited Text File			
OTT_OM_WT	OrpheusMini_WaterTemp	Orpheus Mini Water Temperature Logger	CSV	Comma Delimited Text File			

Page 1 of 2 | Displaying 1 - 25 of 27



Single Data schema



National Research Foundation

SAEON

South African Environmental Observation Network

Environmental Observatio x observations.brittondev.co.za/Default.aspx

Logout

Environmental Observations

Navigation

- System Administration
- Data Views
- Master Data Management
 - Organisations
 - Projects/Sites
 - Stations
 - Data Sources
 - Data Schemas**
 - Sensors
 - Phenomenon
 - Unit of Measure
 - Offerings
 - Import Batches

Data Schemas

Add Schema

To Excel To CSV

Code	Name	Description	Source Type Code	Source Type Description	Actions
ACSYS_R	ACSYSrainfall	Historical rainfall data	Flat	Fixed Length Flat file	
ACSYS_S	ACSYSstreamflow	Historical streamflow data	Flat	Fixed Length Flat file	
ARC_AWS	ARC_AWS	Automated Weather Station - ARC	CSV	Comma Delimited Text File	
VWC_1	Campbell_Scientific_CL616_1	Campbell Scientific average volumetric water conte...	CSV	Comma Delimited Text File	
VWC_2	Campbell_Scientific_CL616_2	Campbell Scientific CL616 average volumetric water...	CSV	Comma Delimited Text File	
VWC_3	Campbell_Scientific_CL616_3	Campbell Scientific average volumetric water conte...	CSV	Comma Delimited Text File	
VWC_4	Campbell_Scientific_CL616_4	Campbell Scientific average volumetric water conte...	CSV	Comma Delimited Text File	
VWC_5	Campbell_Scientific_CL616_5	Campbell Scientific average volumetric water conte...	CSV	Comma Delimited Text File	
VWC_6	Campbell_Scientific_CL616_6	Campbell Scientific average volumetric water conte...	CSV	Comma Delimited Text File	
VWC_Temp1	Campbell_Scientific_CL616_7	Campbell Scientific average temperature - 1	CSV	Comma Delimited Text File	
VWC_Temp2	Campbell_Scientific_CL616_8	Campbell scientific average temperature - 2	CSV	Comma Delimited Text File	
CS_CR100	Campbell_Scientific_CR100	Campbell Scientific CR100 Automated Weather Station	CSV	Comma Delimited Text File	
DVP2	Davis_Vantage_Pro2	Davis Vantage Pro2 - Automated Weather Station	CSV	Comma Delimited Text File	
DVV	Davis_Vantage_Vue	Davis Vantage Vue - Automated Weather Station	CSV	Comma Delimited Text File	
FARM2	Farmer_daily_rainfall	Daily rainfall template with daily rainfall totals	CSV	Comma Delimited Text File	
FARM1	Farmer_daily_rainfall_timed	Daily rainfall template with time of rainfall	CSV	Comma Delimited Text File	
HB_AWS	HB_Automated_Weather_S	Hospital Bend Weather station	CSV	Comma Delimited Text File	
HOBO_UA00364	HOBO_Pendant_Event_Data_Logger_UA_003_64	Logger works with 7852M Metric Davis Rain Gauge ...	CSV	Comma Delimited Text File	
HOBO	HOBO_Temp	Temperature	CSV	Comma Delimited Text File	
OM_WL	Opheus_Mini_Water_Level	Water level data from Opheus Mini	CSV	Comma Delimited Text File	
OTT_OM_WT	OrpheusMini_WaterTemp	Orpheus Mini Water Temperature Logger	CSV	Comma Delimited Text File	

Page 1 of 2 | Displaying 1 - 25 of 27

Single Data schema



SAEON
South African Environmental
Observation Network

19B_Biesievle30January2013i - Microsoft Excel

File Home Insert Page Layout Formulas Data Review View

Cut Copy Format Painter Paste Clipboard Font Alignment Number Styles Cells Editing Sign and Encrypt Privacy

E4 f_x

	A	B	C	D	E	F	G	H	I	J	K	L
1	Plot Title: 19B_Biesievle											
2	#	Date	Time, GMT+	Temp, °C (LGR S/I)	Batt, V (LGR S/N:	Rainfall (LGR S/N:	Coupler Attached	Host Connected (Coupler Detached	End Of File (LGR S/N: 9867905)		
3	1	2012/08/27	12:00	22.333	3.14	0						
4	2	2012/08/27	13:00	23.004	3.14							
5	3	2012/08/27	14:00	22.525	3.14							
6	4	2012/08/27	15:00	22.046	3.12							
7	5	2012/08/27	16:00	21.951	3.12							
8	6	2012/08/27	17:00	22.525	3.12							
9	7	2012/08/27	18:00	14.996	3.14							
10	8	2012/08/27	19:00	11.334	3.12							
11	9	2012/08/27	20:00	15.951	3.12							
12	10	2012/08/27	21:00	15.473	3.1							
13	11	2012/08/27	22:00	11.625	3.12							
14	12	2012/08/27	23:00	9.669	3.1							
15	13	2012/08/28	00:00	9.472	3.12							
16	14	2012/08/28	01:00	8.282	3.12							
17	15	2012/08/28	02:00	7.682	3.1							
18	16	2012/08/28	03:00	7.882	3.1							
19	17	2012/08/28	04:00	8.978	3.1							
20	18	2012/08/28	05:00	8.082	3.1							
21	19	2012/08/28	06:00	8.182	3.1							
22	20	2012/08/28	07:00	8.282	3.1							
23	21	2012/08/28	08:00	8.082	3.1							
24	22	2012/08/28	09:00	8.581	3.1							
25	23	2012/08/28	10:00	22.046	3.08							

Single Data schema

Environmental Observatio x

observations.brittondev.co.za/Default.aspx

Logout

Environmental Observations

Navigation

- System Administration
- Data Views
- Master Data Management
 - Organisations
 - Projects/Sites
 - Stations
 - Data Sources
 - Data Schemas
 - Sensors
 - Phenomenon
 - Unit of Measure
 - Offerings
 - Import Batches

Data Schemas

Add Schema

Code	Name	Description	Source Type Code	Source Type Description
ACSYS_R	ACSYSRainfall			
ACSYS_S	ACSYSStreamflow			
ARC_AWS	ARC_AWS			
VWC_1	Campbell_Scientific			
VWC_2	Campbell_Scientific			
VWC_3	Campbell_Scientific			
VWC_4	Campbell_Scientific			
VWC_5	Campbell_Scientific			
VWC_6	Campbell_Scientific			
VWC_Temp1	Campbell_Scientific			
VWC_Temp2	Campbell_Scientific			
CS_CR100	Campbell_Scientific			
DVP2	Davis_Vantage_In			
DVV	Davis_Vantage_U			
FARM2	Farmer_daily_rainf			
FARM1	Farmer_daily_rainf			
HB_AWS	HB_Automated_We			
HOBO_UA00364	HOBO_Pendant_Ev			
HOBO	HOBO_Temp			
OM_WL	Opheus_Mini_Water_Level	Water level data from Opheus Mini	CSV	Comma Delimited Text File
OTT_OM_WT	OpheusMini_WaterTemp	Opheus Mini Water Temperature Logger	CSV	Comma Delimited Text File

To Excel To CSV

Schema Fields

Add Field Add Fixed Field

Name	Date Field	Time Field	Ignore Field	Offering Field	Fixed Field
------	------------	------------	--------------	----------------	-------------

Save

Displaying 1 - 25 of 27

Single Data schema

Environmental Observatio x

observations.brittondev.co.za/Default.aspx

Logout

Environmental Observations

Navigation

- System Administration
- Data Views
- Master Data Management
 - Organisations
 - Projects/Sites
 - Stations
 - Data Sources
 - Data Schemas
 - Sensors
 - Phenomenon
 - Unit of Measure
 - Offerings
 - Import Batches

Data Schemas

Add Schema

To Excel To CSV

Code	Name	Description	Source Type Code	Source Type Description
ACSYS_R	ACSYSRainfall			
ACSYS_S	ACSYStreamflow			
ARC_AWS	ARC_AWS			
VWC_1	Campbell_Scientific			
VWC_2	Campbell_Scientific			
VWC_3	Campbell_Scientific			
VWC_4	Campbell_Scientific			
VWC_5	Campbell_Scientific			
VWC_6	Campbell_Scientific			
VWC_Temp1	Campbell_Scientific			
VWC_Temp2	Campbell_Scientific			
CS_CR100	Campbell_Scientific			
DVP2	Davis_Vantage_Pro			
DVV	Davis_Vantage_Vu			
FARM2	Farmer_daily_rainf			
FARM1	Farmer_daily_rainf			
HB_AWS	HB_Automated_We			
HOBO_UA00364	HOBO_Pendant_Ev			
HOBO	HOBO_Temp			
OM_WL	Opheus_Mini_Water_Level	Water level data from Opheus Mini	CSV	Comma Delimited Text File
OTT_OM_WT	OrpheusMini_WaterTemp	Orpheus Mini Water Temperature Logger	CSV	Comma Delimited Text File

Add Field Add Fixed Field

Add Date Field Add Time Field Add Ignore Field Add Offering Field Add Comment Field

Save

Displaying 1 - 25 of 27

Single Data schema

Environmental Observatio x

observations.brittondev.co.za/Default.aspx

Environmental Observations

Logout

To Excel To CSV

Navigation

System Administration

Data Views

Master Data Management

- Organisations
- Projects/Sites
- Stations
- Data Sources
- Data Schemas
- Sensors
- Phenomenon
- Unit of Measure
- Offerings
- Import Batches

Data Schemas

Add Schema

Code	Name	Description	Source Type Code	Source Type Description
ACSYS_R	ACSYSrainfall			
ACSYS_S	ACSYStreamflow			
ARC_AWS	ARC_AWS			
VWC_1	Campbell_Scientific			
VWC_2	Campbell_Scientific			
VWC_3	Campbell_Scientific			
VWC_4	Campbell_Scientific			
VWC_5	Campbell_Scientific			
VWC_6	Campbell_Scientific			
VWC_Temp1	Campbell_Scientific			
VWC_Temp2	Campbell_Scientific			
CS_CR100	Campbell_Scientific			
DVP2	Davis_Vantage_Pro			
DVV	Davis_Vantage_Vu			
FARM2	Farmer_daily_rainf			
FARM1	Farmer_daily_rainf			
HB_AWS	HB_Automated_We			
HOBO_UA00364	HOBO_Pendant_Ev			
HOBO	HOBO_Temp			
OM_WL	Opheus_Mini_Water_Level	Water level data from Opheus Mini	CSV	Comma Delimited Text File
OTT_OM_WT	OrpheusMini_WaterTemp	Orpheus Mini Water Temperature Logger	CSV	Comma Delimited Text File

Ignore Field Detail

Name: Column1

Form is valid

Save

Displaying 1 - 25 of 27

Single Data schema

Screenshot of the Environmental Observations application interface showing the Data Schema configuration screen.

The navigation sidebar includes:

- System Administration
- Data Views
- Master Data Management
 - Organisations
 - Projects/Sites
 - Stations
 - Data Sources
 - Data Schemas** (selected)
 - Sensors
 - Phenomenon
 - Unit of Measure
 - Offerings
 - Import Batches

The main content area shows a list of existing Data Schemas:

Code	Name	Description	Source Type Code	Source Type Description
ACSYS_R	ACSYSRainfall			
ACSYS_S	ACSYStreamflow			
ARC_AWS	ARC_AWS			
VWC_1	Campbell_Scientific			
VWC_2	Campbell_Scientific			
VWC_3	Campbell_Scientific			
VWC_4	Campbell_Scientific			
VWC_5	Campbell_Scientific			
VWC_6	Campbell_Scientific			
VWC_Temp1	Campbell_Scientific			
VWC_Temp2	Campbell_Scientific			
CS_CR100	Campbell_Scientific			
DVP2	Davis_Vantage_Pro			
DVV	Davis_Vantage_Vu			
FARM2	Farmer_daily_rainf			
FARM1	Farmer_daily_rainf			
HB_AWS	HB_Automated_We			
HOBO_UA00364	HOBO_Pendant_Ev			
HOBO	HOBO_Temp			
OM_WL	Opheus_Mini_Water_Level	Water level data from Opheus Mini	CSV	Comma Delimited Text File
OTT_OM_WT	OrpheusMini_WaterTemp	Orpheus Mini Water Temperature Logger	CSV	Comma Delimited Text File

A modal dialog titled "Date field Detail" is open, showing the configuration for a date field:

- Name: Date_Time
- Date Format: yyyy/MM/dd HH:mm
- Status: Form is valid (indicated by a green checkmark)
- Save button (highlighted with a red box)

On the right side of the interface, there is a vertical toolbar with icons for various actions, and at the bottom, there is a page navigation bar.

Single Data schema

Environmental Observatio x observations.brittondev.co.za/Default.aspx

Environmental Observations

Logout

To Excel To CSV

Navigation

- System Administration
- Data Views
- Master Data Management
 - Organisations
 - Projects/Sites
 - Stations
 - Data Sources
 - Data Schemas**
 - Sensors
 - Phenomenon
 - Unit of Measure
 - Offerings
 - Import Batches

Data Schemas

Add Schema

Code	Name
ACSYS_R	ACSYS_R
ACSYS_S	ACSYS_S
ARC_AWS	ARC_AWS
VWC_1	Campbell
VWC_2	Campbell
VWC_3	Campbell
VWC_4	Campbell
VWC_5	Campbell
VWC_6	Campbell
VWC_Temp1	Campbell
VWC_Temp2	Campbell
CS_CR100	Campbell
DVP2	Davis_
DVV	Davis_
FARM2	Farmer
FARM1	Farmer
HB_AWS	HB_Aws
HOBO_UA00364	HOBO_UA00364
HOBO	HOBO
OM_WL	Opheus
OTT_OM_WT	OrpheusMini_WaterTemp

Offering Field Detail

Name: Temp

Phenomenon: Temperature

Offering: Actual

Unit of Measure: Degrees Celsius

Empty Value:

Form is valid

Save

Displaying 1 - 25 of 27

Single Data schema



SAEON
South African Environmental Observation Network

Screenshot of the Environmental Observations application interface showing the Data Schema configuration screen.

The left sidebar navigation includes:

- System Administration
- Data Views
- Master Data Management
 - Organisations
 - Projects/Sites
 - Stations
 - Data Sources
 - Data Schemas
 - Sensors
 - Phenomenon
 - Unit of Measure
 - Offerings
 - Import Batches

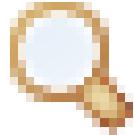
The main content area shows a list of existing Data Schemas:

Name	Description	Source Type Code	Source Type Description
ACSYS_R			
ACSYS_S			
ARC_AWS			
VWC_1			
VWC_2			
VWC_3			
VWC_4			
VWC_5			
VWC_6			
VWC_Temp1			
VWC_Temp2			
CS_CR100			
DVP2			
DVV			
FARM2			
FARM1			
HB_AWS			
HOBO_UA00364			
HOBO			
OM_WL	Opheus_Mini_Water_Level	Water level data from Opheus Mini	CSV
OTT_OM_WT	OrpheusMini_WaterTemp	Orpheus Mini Water Temperature Log...	CSV
			Comma Delimited Text File
			Comma Delimited Text File

A modal dialog titled "Schema Fields" is open, listing fields for the selected schema:

Name	Date Field	Time Field	Ignore Field	Offering Field	Fixed Field	
Column1	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Date_Time	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Temp	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Batt	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Rain	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Coupler_Attached	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Host_Connected	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Coupler_Detached	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
End_File	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

A red box highlights the "Save" button at the bottom right of the modal.



Single Data schema



NRF
SAEON
South African Environmental Observation Network

Environmental Observatio x

observations.brittondev.co.za/Default.aspx

Logout

Environmental Observations

Navigation

- System Administration
- Data Views
- Master Data Management
 - Organisations
 - Projects/Sites
 - Stations
 - Data Sources
 - Data Schemas**
 - Sensors
 - Phenomenon
 - Unit of Measure
 - Offerings
 - Import Batches

Data Schemas

Add Schema

To Excel To CSV

Code	Name	Description	Source Type Code	Source Type Description	Actions
ACSYS_R	ACSYSrainfall	Historical rainfall data	Flat	Fixed Length Flat file	
ACSYS_S	ACSYSstreamflow	Historical streamflow data	Flat	Fixed Length Flat file	
ARC_AWS	ARC_AWS	Automated Weather Station - ARC	CSV	Comma Delimited Text File	
VWC_1	Campbell_Scientific_CL616_1	Campbell Scientific average volumetric water conte...	CSV	Comma Delimited Text File	
VWC_2	Campbell_Scientific_CL616_2	Campbell Scientific CL616 average volumetric water...	CSV	Comma Delimited Text File	
VWC_3	Campbell_Scientific_CL616_3	Campbell Scientific average volumetric water conte...	CSV	Comma Delimited Text File	
VWC_4	Campbell_Scientific_CL616_4	Campbell Scientific average volumetric water conte...	CSV	Comma Delimited Text File	
VWC_5	Campbell_Scientific_CL616_5	Campbell Scientific average volumetric water conte...	CSV	Comma Delimited Text File	
VWC_6	Campbell_Scientific_CL616_6	Campbell Scientific average volumetric water conte...	CSV	Comma Delimited Text File	
VWC_Temp1	Campbell_Scientific_CL616_7	Campbell Scientific average temperature - 1	CSV	Comma Delimited Text File	
VWC_Temp2	Campbell_Scientific_CL616_8	Campbell scientific average temperature - 2	CSV	Comma Delimited Text File	
CS_CR100	Campbell_Scientific_CR100	Campbell Scientific CR100 Automated Weather Station	CSV	Comma Delimited Text File	
DVP2	Davis_Vantage_Pro2	Davis Vantage Pro2 - Automated Weather Station	CSV	Comma Delimited Text File	
DVV	Davis_Vantage_Vue	Davis Vantage Vue - Automated Weather Station	CSV	Comma Delimited Text File	
FARM2	Farmer_daily_rainfall	Daily rainfall template with daily rainfall totals	CSV	Comma Delimited Text File	
FARM1	Farmer_daily_rainfall_timed	Daily rainfall template with time of rainfall	CSV	Comma Delimited Text File	
HB_AWS	HB_Automated_Weather_S	Hospital Bend Weather station	CSV	Comma Delimited Text File	
HOBO_UA00364	HOBO_Pendant_Event_Data_Logger_UA_003_64	Logger works with 7852M Metric Davis Rain Gauge ...	CSV	Comma Delimited Text File	
HOBO	HOBO_Temp	Temperature	CSV	Comma Delimited Text File	
OM_WL	Opheus_Mini_Water_Level	Water level data from Opheus Mini	CSV	Comma Delimited Text File	
OTT_OM_WT	OrpheusMini_WaterTemp	Orpheus Mini Water Temperature Logger	CSV	Comma Delimited Text File	

Page 1 of 2 | Displaying 1 - 25 of 27

Single Data schema



SAEON
South African Environmental
Observation Network

Environmental Observatio x

observations.brittondev.co.za/Default.aspx

Logout

Environmental Observations

Navigation

- System Administration
- Data Views
- Master Data Management
 - Organisations
 - Projects/Sites
 - Stations
 - Data Sources
 - Data Schemas
 - Sensors
 - Phenomenon
 - Unit of Measure
 - Offerings
 - Import Batches

Data Schemas

Add Schema

Code

- ACSYS_R
- ACSYS_S
- ARC_AWS
- VWC_1
- VWC_2
- VWC_3
- VWC_4
- VWC_5
- VWC_6
- VWC_Temp1
- VWC_Temp2
- CS_CR100
- DVP2
- DVV
- FARM2
- FARM1
- HB_AWS
- HOBO_UA00364
- HOBO
- OM_WL
- OTT_OM_WT

Schema Preview

File Upload

Data File: Select a File

Test Results

Errors

Error Message Line No Raw Data

OrpheusMini_WaterTemp Orpheus Mini Water Temperature Log... CSV Comma Delimited Text File

To Excel To CSV

Displaying 1 - 25 of 27

A red rectangular box highlights the central "Schema Preview" window, which contains a "File Upload" section with a file selection input field and a magnifying glass icon. The "File Upload" section is also highlighted with a red border. The entire "Schema Preview" window is enclosed in a large red border.

Single Data schema



SAEON
South African Environmental
Observation Network

Environmental Observatio ×

observations.brittondev.co.za/Default.aspx

Environmental Observations

Logout

Navigation

- System Administration
- Data Views
- Master Data Management
 - Organisations
 - Projects/Sites
 - Stations
 - Data Sources
 - Data Schemas**
 - Sensors
 - Phenomenon
 - Unit of Measure
 - Offerings
 - Import Batches

Data Schemas

Add Schema

Code

- ACSYS_R
- ACSYS_S
- ARC_AWS
- VWC_1
- VWC_2
- VWC_3
- VWC_4
- VWC_5
- VWC_6
- VWC_Temp1
- VWC_Temp2
- CS_CR100
- DVP2
- DVV
- FARM2
- FARM1
- HB_AWS
- HOBO_UA00364
- HOBO
- OM_WL
- OTT_OM_WT

Schema Preview

File Upload

Data File: 19B_Biesievle30January2013i.csv

Load And Test

Test Results

Errors

Error Message

Line No

Raw Data

OrphousMiniWaterTemp

Orphous MiniWater Temperature Log... CSV

Comma Delimited Text File

To Excel To CSV

Displaying 1 - 25 of 27

A red rectangular box highlights the central 'Schema Preview' window, which contains a 'File Upload' section with a selected CSV file, a 'Test Results' section, and an 'Errors' section. A green button labeled 'Load And Test' is highlighted with a red border. To the right of the preview window is a vertical column of 25 small icons, each consisting of a yellow hand icon and a magnifying glass icon, representing individual data entries. The bottom navigation bar shows 'Page 1 of 2' and a 'Displaying 1 - 25 of 27' message.

Single Data schema



SAEON
South African Environmental
Observation Network

Environmental Observatio x

observations.brittondev.co.za/Default.aspx

Logout

Environmental Observations

Navigation

- System Administration
- Data Views
- Master Data Management
 - Organisations
 - Projects/Sites
 - Stations
 - Data Sources
 - Data Schemas**
 - Sensors
 - Phenomenon
 - Unit of Measure
 - Offerings
 - Import Batches

Data Schemas

Add Schema

Code	Schema Preview
ACSYS_R	<p>File Upload</p> <p>Data File: 19B_Biesievle30January2013i.csv</p> <p>Load And Test Reset</p>
ACSYS_S	
ARC_AWS	
VWC_1	
VWC_2	
VWC_3	
VWC_4	
VWC_5	
VWC_6	
VWC_Temp1	
VWC_Temp2	
CS_CR100	
DVP2	
DVV	
FARM2	
FARM1	
HB_AWS	
HOBO_UA00364	
HOBO	
OM_WL	
OTT_OM_WT	

To Excel To CSV

Test Results

Column1	Date_Time	Temp	Batt	Rain	Coupler_Attached	Host_Connected	Coupler_De
	2012/08/27 12:00	22.333		0			
	2012/08/27 13:00	23.004					
	2012/08/27 14:00	22.525					
	2012/08/27 15:00	22.046					
	2012/08/27 16:00	21.951					
	2012/08/27 17:00	22.525					
	2012/08/27 18:00	14.996					
	2012/08/27 19:00	11.334					
	2012/08/27 20:00	15.951					

Errors

Error Message	Line No	Raw Data

OrpheusMini_WaterTemp Orpheus Mini Water Temperature Log... CSV Comma Delimited Text File

Page 1 of 2

Displaying 1 - 25 of 27

Single Data schema



SAEON
South African Environmental
Observation Network

Environmental Observatio x

observations.brittondev.co.za/Default.aspx

Logout

Environmental Observations

Navigation

- System Administration
- Data Views
- Master Data Management
 - Organisations
 - Projects/Sites
 - Stations
 - Data Sources
 - Data Schemas**
 - Sensors
 - Phenomenon
 - Unit of Measure
 - Offerings
 - Import Batches

Data Schemas

Add Schema

Code
ACSYS_R
ACSYS_S
ARC_AWS
VWC_1
VWC_2
VWC_3
VWC_4
VWC_5
VWC_6
VWC_Temp1
VWC_Temp2
CS_CR100
DVP2
DVV
FARM2
FARM1
HB_AWS
HOBO_UA00364
HOBO
OM_WL
OTT_OM_WT

Schema Preview

File Upload

Data File: 19B_Biesievle30January2013i.csv

Load And Test Reset

Test Results

Column1	Date_Time	Temp	Batt	Rain	Coupler_Attached	Host_Connected	Coupler_De
	2012/08/27 12:00	22.333		0			
	2012/08/27 13:00	23.004					
	2012/08/27 14:00	22.525					
	2012/08/27 15:00	22.046					
	2012/08/27 16:00	21.951					
	2012/08/27 17:00	22.525					
	2012/08/27 18:00	14.996					
	2012/08/27 19:00	11.334					
	2012/08/27 20:00	15.951					

Errors

Error Message	Line No	Raw Data

OrpheusMin_WaterTemp Orpheus Min Water Temperature Log... CSV Comma Delimited Text File

Page 1 of 2

Displaying 1 - 25 of 27

Define the Data Schema



SAEON
South African Environmental
Observation Network

Multiple Data Schemas

Multiple Data Schemas

- If multiple offerings of the same type exist in a file for the same phenomenon, multiple Data Schemas need to be defined for the data file
- Example: rainfall data from 5 gauges in the same file
6 soil moisture sensors recorded by 1 logger
- Each data schema has to contain unique offerings
- If 5 data for 5 rain gauges are in 1 file, 5 Data Schemas must be specified

Multiple Data Schemas



SAEON
South African Environmental
Observation Network

BlockA_Bottom_Table1_16May2013 - Microsoft Excel

File Home Insert Page Layout Formulas Data Review View

Normal Page Layout Page Break Preview Custom Views Full Screen Ruler Formula Bar Gridlines Headings Zoom 100% Zoom to Selection New Window Arrange All Freeze Panes Hide Split View Side by Side Synchronous Scrolling Save Workspace Windows Macros

Workbook Views Show Zoom Window

A1 f TOA5

	A	B	C	D	E	F	G	H	I	J	K	L
1	TOA5		CR1000	CR1000	39925	CR1000.Std.21	CPU:Hospital bend 6VW_2Temp.CR1	59737	Table1			
2	Date	Time	RECORD	BattV_Avg	VW_Avg	VW_2_Avg	VW_3_Avg	VW_4_Avg	VW_5_Avg	VW_6_Avg	T107_C_Avg	T107_C_2_Avg
3	TS	RN	Volts								Deg C	Deg C
4			Avg	Avg	Avg	Avg	Avg	Avg	Avg	Avg	Avg	Avg
5	2013/04/11	12:00:00	5592	12.61	0.134	0.12		0.079	0.101	0.139	0.149	16.73
6	2013/04/11	13:00:00	5593	12.62	0.134	0.12		0.079	0.101	0.14	0.149	17.06
7	2013/04/11	14:00:00	5594	12.62	0.134	0.12		0.079	0.101	0.14	0.148	17.54
8	2013/04/11	15:00:00	5595	12.63	0.133	0.12		0.079	0.101	0.141	0.148	18.12
9	2013/04/11	16:00:00	5596	12.63	0.133	0.12		0.079	0.101	0.141	0.148	18.68
10	2013/04/11	17:00:00	5597	12.63	0.133	0.12		0.079	0.1	0.141	0.147	19.1
11	2013/04/11	18:00:00	5598	12.63	0.133	0.12		0.079	0.1	0.14	0.147	19.3
12	2013/04/11	19:00:00	5599	12.62	0.132	0.119		0.079	0.099	0.139	0.147	19.3
13	2013/04/11	20:00:00	5600	12.62	0.132	0.119		0.079	0.099	0.138	0.146	19.16
14	2013/04/11	21:00:00	5601	12.62	0.132	0.119		0.079	0.098	0.138	0.146	18.94
15	2013/04/11	22:00:00	5602	12.61	0.132	0.119		0.078	0.098	0.137	0.146	18.7
16	2013/04/11	23:00:00	5603	12.61	0.132	0.119		0.078	0.098	0.137	0.145	18.46
17	2013/04/12	00:00:00	5604	12.61	0.132	0.118		0.078	0.097	0.136	0.145	18.23
18	2013/04/12	01:00:00	5605	12.61	0.132	0.118		0.078	0.097	0.136	0.145	18.02
19	2013/04/12	02:00:00	5606	12.61	0.132	0.118		0.078	0.097	0.135	0.145	17.82
20	2013/04/12	03:00:00	5607	12.6	0.131	0.118		0.078	0.097	0.135	0.144	17.63
21	2013/04/12	04:00:00	5608	12.6	0.131	0.118		0.078	0.097	0.135	0.144	17.46

Multiple Data Schemas

Environmental Observatio x

observations.brittondev.co.za/Default.aspx

Logout

Environmental Observations

Navigation

- System Administration
- Data Views
- Master Data Management
 - Organisations
 - Projects/Sites
 - Stations
 - Data Sources
 - Data Schemas**
 - Sensors
 - Phenomenon
 - Unit of Measure
 - Offerings
 - Import Batches

Data Schemas

Add Schema

To Excel To CSV

Code	Name	Description	Source Type Code	Source Type Description	Actions
ACSYS_R	ACSYSRainfall	Historical rainfall data	Flat	Fixed Length Flat file	
ACSYS_S	ACSYStreamflow	Historical streamflow data	Flat	Fixed Length Flat file	
ARC_AWS	ARC_AWS	Automated Weather Station - ARC	CSV	Comma Delimited Text File	
VWC_1	Campbell_Scientific_CL616_1	Campbell Scientific average volumetric water content sensor - 1	CSV	Comma Delimited Text File	
VWC_2	Campbell_Scientific_CL616_2	Campbell Scientific CL616 average volumetric water content sensor - 2	CSV	Comma Delimited Text File	
VWC_3	Campbell_Scientific_CL616_3	Campbell Scientific average volumetric water content sensor - 3	CSV	Comma Delimited Text File	
VWC_4	Campbell_Scientific_CL616_4	Campbell Scientific average volumetric water content sensor - 4	CSV	Comma Delimited Text File	
VWC_5	Campbell_Scientific_CL616_5	Campbell Scientific average volumetric water content sensor - 5	CSV	Comma Delimited Text File	
VWC_6	Campbell_Scientific_CL616_6	Campbell Scientific average volumetric water content sensor - 6	CSV	Comma Delimited Text File	
VWC_Temp1	Campbell_Scientific_CL616_7	Campbell Scientific average temperature - 1	CSV	Comma Delimited Text File	
VWC_Temp2	Campbell_Scientific_CL616_8	Campbell scientific average temperature - 2	CSV	Comma Delimited Text File	
CS_CR100	Campbell_Scientific_CR100	Campbell Scientific CR100 Automated Weather Station	CSV	Comma Delimited Text File	
DVP2	Davis_Vantage_Pro2	Davis Vantage Pro2 - Automated Weather Station	CSV	Comma Delimited Text File	
DVV	Davis_Vantage_Vue	Davis Vantage Vue - Automated Weather Station	CSV	Comma Delimited Text File	
FARM2	Farmer_daily_rainfall	Daily rainfall template with daily rainfall totals	CSV	Comma Delimited Text File	
FARM1	Farmer_daily_rainfall_timed	Daily rainfall template with time of rainfall	CSV	Comma Delimited Text File	
HB_AWS	HB_Automated_Weather_S	Hospital Bend Weather station	CSV	Comma Delimited Text File	
HOBO_UA00364	HOBO_Pendant_Event_Data_Logger...	Logger works with 7852M Metric Davis Rain Gauge tipping bucket. The ...	CSV	Comma Delimited Text File	
HOBO	HOBO_Temp	Temperature	CSV	Comma Delimited Text File	
OM_WL	Opheus_Mini_Water_Level	Water level data from Opheus Mini	CSV	Comma Delimited Text File	
OTT_OM_WT	OrpheusMini_WaterTemp	Orpheus Mini Water Temperature Logger	CSV	Comma Delimited Text File	

Page 1 of 2 | | Displaying 1 - 25 of 27

Multiple Data Schemas



SAEON
South African Environmental Observation Network

Environmental Observatio x observations.brittondev.co.za/Default.aspx

Logout

Environmental Observations

Navigation

- System Administration
- Data Views
- Master Data Management
 - Organisations
 - Projects/Sites
 - Stations
 - Data Sources
 - Data Schemas
 - Sensors
 - Phenomenon
 - Unit of Measure
 - Offerings
 - Import Batches

Data Schemas

Add Schema

Code	Name	Description	Source Type	Code	Source Type Description
ACSYS_R	ACSYSrainfall				
ACSYS_S	ACSYStreamflow				
ARC_AWS	ARC_AWS				
VWC_1	Campbell_Scientific_CL616_1		Comma Delimited Text File		
VWC_2	Campbell_Scientific_CL616_1		Comma Delimited Text File		
VWC_3	Campbell_Scientific_CL616_1		Comma Delimited Text File		
VWC_4	Campbell_Scientific_CL616_1		Comma Delimited Text File		
VWC_5	Campbell_Scientific_CL616_1		Comma Delimited Text File		
VWC_6	Campbell_Scientific_CL616_1		Comma Delimited Text File		
VWC_Temp1	Campbell_Scientific_CL616_1		Comma Delimited Text File		
VWC_Temp2	Campbell_Scientific_CL616_1		Comma Delimited Text File		
CS_CR100	Campbell_Scientific_CR100		Comma Delimited Text File		
DVP2	Davis_Vantage_Pro2		Comma Delimited Text File		
DVV	Davis_Vantage_Vue		Comma Delimited Text File		
FARM2	Farmer_daily_rainfall		Comma Delimited Text File		
FARM1	Farmer_daily_rainfall_time		Comma Delimited Text File		
HB_AWS	HB_Automated_Weather		Comma Delimited Text File		
HOBO_UA00364	HOBO_Pendant_Event_D		Comma Delimited Text File		
HOBO	HOBO_Temp		Comma Delimited Text File		
OM_WL	Opheus_Mini_Water_Level	Water level data from Opheus Mini	CSV	Comma Delimited Text File	Comma Delimited Text File
OTT_OM_WT	OrpheusMini_WaterTemp	Orpheus Mini Water Temperature Logger	CSV	Comma Delimited Text File	Comma Delimited Text File

To Excel To CSV

Data Schema Detail

Code: VWC_1

Name: Campbell_Scientific_CL616_1

Source Type: Comma Delimited Text File

Delimiter: Comma Delimited (,)

Ignore first # of lines on import: 4

Ignore last # of lines on import: 0

Record Condition - Ignore fields that start with:

Description: Campbell Scientific average volumetric water content sensor - 1

File Split Condition - Data Split:

Data file Split Index:

Form is valid

Save

Displaying 1 - 25 of 27

Multiple Data Schemas

Environmental Observatio x observations.brittondev.co.za/Default.aspx

Logout

Environmental Observations

Navigation

- System Administration
- Data Views
- Master Data Management
 - Organisations
 - Projects/Sites
 - Stations
 - Data Sources
 - Data Schemas**
 - Sensors
 - Phenomenon
 - Unit of Measure
 - Offerings
 - Import Batches

Data Schemas

Add Schema

Code	Name	Description	Source Type	File Extension	Description
ACSYS_R	ACSYSRainfall		file		
ACSYS_S	ACSYSstreamflow		file		
ARC_AWS	ARC_AWS		Text File		
VWC_1	Campbell_Scientific_CL616_2		Text File		
VWC_2	Campbell_Scientific_CL616_2		Text File		
VWC_3	Campbell_Scientific_CL616_2		Text File		
VWC_4	Campbell_Scientific_CL616_2		Text File		
VWC_5	Campbell_Scientific_CL616_2		Text File		
VWC_6	Campbell_Scientific_CL616_2		Text File		
VWC_Temp1	Campbell_Scientific_CL616_2		Text File		
VWC_Temp2	Campbell_Scientific_CL616_2		Text File		
CS_CR100	Campbell_Scientific_CS100		Text File		
DVP2	Davis_Vantage_Pro2		Text File		
DVV	Davis_Vantage_Vue		Text File		
FARM2	Farmer_daily_rainfall		Text File		
FARM1	Farmer_daily_rainfall_limited		Text File		
HB_AWS	HB_Automated_Weather		Text File		
HOBO_UA00364	HOBO_Pendant_Event_D		Text File		
HOBO	HOBO_Temp		Text File		
OM_WL	Opheus_Mini_Water_Level	Water level data from Opheus mini	CSV	Comma Delimited Text File	
OTT_OM_WT	OrpheusMini_WaterTemp	Orpheus Mini Water Temperature Logger	CSV	Comma Delimited Text File	

Data Schema Detail

Code: VWC_2 Name: Campbell_Scientific_CL616_2

Source Type: Comma Delimited Text File Delimiter: Comma Delimited (,)

Ignore first # of lines on import: 4 Ignore last # of lines on import: 0

Record Condition - Ignore fields that start with:

File Split Condition - Data Split: Data file Split Index:

Description: Campbell Scientific CL616 average volumetric water content sensor - 2

Form is valid

Save

Displaying 1 - 25 of 27

Multiple Data Schemas

Environmental Observatio x observations.brittondev.co.za/Default.aspx

Logout

Environmental Observations

Navigation

- System Administration
- Data Views
- Master Data Management
 - Organisations
 - Projects/Sites
 - Stations
 - Data Sources
 - Data Schemas
 - Sensors
 - Phenomenon
 - Unit of Measure
 - Offerings
 - Import Batches

Data Schemas

Add Schema

Code	Name	Description	Source Type Code	Source Type Description
ACSYS_R	ACSYSRainfall			
ACSYS_S	ACSYSStreamflow			
ARC_AWS	ARC_AWS			
VWC_1	Campbell_Scientific_VWC_1			
VWC_2	Campbell_Scientific_VWC_2			
VWC_3	Campbell_Scientific_VWC_3			
VWC_4	Campbell_Scientific_VWC_4			
VWC_5	Campbell_Scientific_VWC_5			
VWC_6	Campbell_Scientific_VWC_6			
VWC_Temp1	Campbell_Scientific_VWC_Temp1			
VWC_Temp2	Campbell_Scientific_VWC_Temp2			
CS_CR100	Campbell_Scientific_CS_CR100			
DVP2	Davis_Vantage_Pro2			
DVV	Davis_Vantage_VW			
FARM2	Farmer_daily_rainfall			
FARM1	Farmer_daily_rainfall			
HB_AWS	HB_Automated_Weather			
HOBO_UA00364	HOBO_Pendant_Event			
HOBO	HOBO_Temp			
OM_WL	Opheus_Mini_Water_Level	Water level data from Opheus Mini	CSV	Comma Delimited Text File
OTT_OM_WT	OrpheusMini_WaterTemp	Orpheus Mini Water Temperature Logger	CSV	Comma Delimited Text File

To Excel To CSV

Schema Fields

Add Field Add Fixed Field

Name	Date Field	Time Field	Ignore Field	Offering Field	Fixed Field
Date	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	 
Time	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	 
igno1	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	 
igno2	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	 
VW_1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	 
VW_2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	 
VW_3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	 
VW_4	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	 
VW_5	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	 
VW_6	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	 
Temp_1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	 
Temp_2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	 

Save

Displaying 1 - 25 of 27

Multiple Data Schemas

Environmental Observatio x observations.brittondev.co.za/Default.aspx

Logout

Environmental Observations

Navigation

- System Administration
- Data Views
- Master Data Management
 - Organisations
 - Projects/Sites
 - Stations
 - Data Sources
 - Data Schemas**
 - Sensors
 - Phenomenon
 - Unit of Measure
 - Offerings
 - Import Batches

Data Schemas

Add Schema

Code	Name	Description	Source Type	Code	Source Type Description
ACSYS_R	ACSYSrainfall		file		
ACSYS_S	ACSYSstreamflow		file		
ARC_AWS	ARC_AWS		Text File		
VWC_1	Campbell_Scientific_CL616		Text File		
VWC_2	Campbell_Scientific_CL616		Text File		
VWC_3	Campbell_Scientific_CL616		Text File		
VWC_4	Campbell_Scientific_CL616		Text File		
VWC_5	Campbell_Scientific_CL616		Text File		
VWC_6	Campbell_Scientific_CL616		Text File		
VWC_Temp1	Campbell_Scientific_CL616		Text File		
VWC_Temp2	Campbell_Scientific_CL616		Text File		
CS_CR100	Campbell_Scientific_CR100		Text File		
DVP2	Davis_Vantage_Pro2		Text File		
DVV	Davis_Vantage_Vue		Text File		
FARM2	Farmer_daily_rainfall		Text File		
FARM1	Farmer_daily_rainfall_time		Text File		
HB_AWS	HB_Automated_Weather		Text File		
HOBO_UA00364	HOBO_Pendant_Event_D		Text File		
HOBO	HOBO_Temp		Text File		
OM_WL	Opheus_Mini_Water_Level	Water level data from Opheus Mini	CSV	Comma Delimited Text File	
OTT_OM_WT	OrpheusMini_WaterTemp	Orpheus Mini Water Temperature Logger	CSV	Comma Delimited Text File	

To Excel To CSV

Data Schema Detail

Code:	VWC_Temp1	Name:	Campbell_Scientific_CL616_7
Source Type:	Comma Delimited Text File	Delimiter:	Comma Delimited (,)
Ignore first # of lines on import:	4	Ignore last # of lines on import:	0
Record Condition - Ignore fields that start with:		Description:	Campbell Scientific average temperature - 1
File Split Condition - Data Split:		Data file Split Index:	

Form is valid

Save

Displaying 1 - 25 of 25

Data Source



SAEON
South African Environmental
Observation Network

Environmental Observatio x observations.brittondev.co.za/Default.aspx

Logout

Environmental Observations

Navigation

- [System Administration](#)
- [Data Views](#)
- [Master Data Management](#)
 - [Organisations](#)
 - [Projects/Sites](#)
 - [Stations](#)
 - [Data Sources](#)
 - [Data Schemas](#)
 - [Sensors](#)
 - [Phenomenon](#)
 - [Unit of Measure](#)
 - [Offerings](#)
 - [Import Batches](#)

Data Source

Environmental Observatio x observations.brittondev.co.za/Default.aspx Logout

Environmental Observations

Navigation

- System Administration
- Data Views
- Master Data Management
 - Organisations
 - Projects/Sites
 - Stations
 - Data Sources**
 - Data Schemas
 - Sensors
 - Phenomenon
 - Unit of Measure
 - Offerings
 - Import Batches

Data Sources

Add Data Source

Code	Name	Url	Description	Data Schema
ACSYS_R	ACSYS_Rainfall	http://data.saeon.ac.za	Historical rainfall data - ACSYS	ACSYSrainfall
ACSYS_S	ACSYS_streamf...	http://www.data.saeon.ac...	Data source: historical upload from A...	ACSYSstreamflow
ARC_AWS	ARC_AWS	http://data.saeon.ac.za	Data source: Swartboskloof Automat...	ARC_AWS
BSKR	Bassonskloof R...		Twice-daily rainfall collected at Bass...	Farmer_daily_rai...
BMHF	Bloemhof Farm -...		Bloemhof Farm rainfall data - daily	Farmer_daily_rai...
BBK_AC SYS_R...	Bosboukloof A...	http://data.saeon.ac.za	Upload of historical data files for Bos...	ACSYSrainfall
BBK_OTT_OM_WL	Bosboukloof Or...	http://data.saeon.ac.za	Bosboukloof Orpheus Mini water level	Opheus_Mini_W...
CP_Stream_2	Cathedral Peak -...		Cathedral Peak - Streamflow - Catch...	ACSYSstreamflow
CTP_AWS	Cathedral Peak ...	http://data.saeon.ac.za	Campbell Scientific CR100 Automated...	Campbell_Scient...
CP_Rain_2	Cathedral Peak ...		Catchment 2 - Cathedral Peak rainfall	ACSYSrainfall
TROLL_100_FAN	Fanies Island - T...	http://data.saeon.ac.za	Troll 100 Water logger - Fanies Island...	

Page 1 of 1 | Displaying 1 - 25 of 25

Roles

Add Role

Role Name	Description	Date Start	Date End	Rea...
-----------	-------------	------------	----------	--------

Add Transformations

Add Transformation

Phenomenon	Transformation	Offering	UOM	Effective Date	End Date
------------	----------------	----------	-----	----------------	----------

Data Source



SAEON
South African Environmental
Observation Network

Environmental Observatio x observations.brittondev.co.za/Default.aspx

Environmental Observations

Logout

Navigation

- System Administration
- Data Views
- Master Data Management
 - Organisations
 - Projects/Sites
 - Stations
 - Data Sources**
 - Data Schemas
 - Sensors
 - Phenomenon
 - Unit of Measure
 - Offerings
 - Import Batches

Data Sources

Add Data Source

Code	Url	Description	Data Schema
Hospital Bend - Jonkershoek	http://	Hospital Bend - Jonkershoek	
Jonkershoek - Biesiesvlei catchment - Rainfall & Temp	http://	Jonkershoek - Biesiesvlei catchment - Rainfall & Temp	
Jonkershoek Historical Rain data	http://	Jonkershoek Historical Rain data	
Rivier Acsys Rainfall	http://	Rivier Acsys Rainfall	
Rivier Acsys Streamflow	http://	Rivier Acsys Streamflow	
Rivier Orpheus Mini - Water Level	http://	Rivier Orpheus Mini - Water Level	
Rivier Orpheus Mini - Water Temp	http://	Rivier Orpheus Mini - Water Temp	
Spokop AWS	http://	Spokop AWS	
Taborwa Office AWS	http://	Taborwa Office AWS	
Water Level - Automated	http://	Water Level - Automated	
?	http://	?	

To Excel To CSV

Roles

Add Role

Role Name	Description	Date Start	Date End	Re...
-----------	-------------	------------	----------	-------

Data Source Detail

Code: JHK_BSVL_RAINT

Name: Jonkershoek - Biesiesvlei catchment - Rainfall & Temp

Data Schema: HOBO_Pendant_Event_Data_Logger_UA_003_6

Update Frequency: Ad-Hoc

Start Date: 01/01/2011

Url:

Description: Davis Tipping bucket rainfall and temperature data collected in Biesiesvlei catchment in the Jonkershoek Valley.

Form is valid

Save

A red box highlights the "Data Source Detail" dialog box, which contains fields for Code, Name, Data Schema, Update Frequency, Start Date, Description, and Url. The "Form is valid" message is also highlighted.

Data Source



SAEON
South African Environmental
Observation Network

Environmental Observatio x

observations.brittondev.co.za/Default.aspx

Environmental Observations

Logout

Navigation

- System Administration
- Data Views
- Master Data Management
 - Organisations
 - Projects/Sites
 - Stations
 - Data Sources
 - Data Schemas
 - Sensors
 - Phenomenon
 - Unit of Measure
 - Offerings
 - Import Batches

Data Sources

Add Data Source To Excel To CSV

Code	Name	Url	Description	Data Schema
JHK_BSVL_RAINT	Jonkershoek - Bi...		Tipping bucket rainfall and temperatur...	HOBO_Pendant...
JHK_EP_H	Jonkershoek His...	http://data.saeon.ac.za	Historical rainfall data records for Jo...	
LR_AC SYS_RAIN	Langrivier Acsys...	http://data.saeon.ac.za	Upload of historical data files for Lan...	ACSYSrainfall
LR_AC SYS_ST...	Langrivier Acsys...		Upload of histoical datafiles for Lang...	ACSYSstreamflow
LR_OTT_OM_WL	Langrivier Orphe...	http://data.saeon.ac.za	Langrivier Orpheus Mini water level	
LR_OTT_OM_WT	Langrivier Orphe...	http://www.ott.com/web/o...	Langrivier Orpheus Mini Water tempe...	
MRS_AWS	Mariepskop AWS	http://data.saeon.ac.za	SAEON Ndlovu Node Mariepskop	Davis_Vantage...
PHA Off_AWS	Phalaborwa Offi...	http://data.saeon.ac.za	SAEON Ndlovu Node - Phalaborwa O...	Davis_Vantage...
TK_WL	Teirkloof Water ...	http://data.saeon.ac.za	tEIRKLOOF AUTOMATED LOGGER - ...	
Test1	Test2	http://data.saeon.ac.za	Testing	
TROLL_100_WL...	TROLL 100 Wat...	http://www.isimangaliso.c...	Water level logger files obtained from...	TROLL_100

Roles

Add Role

Role Name	Description	Date Start	Date End	Rea...
-----------	-------------	------------	----------	--------

Add Transformations

Add Transformation

Phenomenon	Transformation	Offering	UOM	Effective Date	End Date
------------	----------------	----------	-----	----------------	----------

Data Source



SAEON
South African Environmental
Observation Network

Environmental Observatio x

observations.brittondev.co.za/Default.aspx

Environmental Observations

Logout

Navigation

- System Administration
- Data Views
- Master Data Management
 - Organisations
 - Projects/Sites
 - Stations
 - Data Sources
 - Data Schemas
 - Sensors
 - Phenomenon
 - Unit of Measure
 - Offerings
 - Import Batches

Data Sources

Add Data Source To Excel To CSV

Code	Name	Url	Description	Data Schema
JHK_BSVL_RAINT	Jonkershoek - Bi...		Tipping bucket rainfall and temperatur...	HOBO_Pendant...
JHK_EP_H	Jonkershoek His...	http://data.saeon.ac.za	Historical rainfall data records for Jo...	
LR_AC SYS_RAIN	Langrivier Acsys...	http://data.saeon.ac.za	Upload of historical data files for Lan...	ACSYSrainfall
LR_AC SYS_ST...	Langrivier Acsys...		Upload of histoical datafiles for Lang...	ACSYSstreamflow
LR_OTT_OM_WL	Langrivier Orphe...	http://data.saeon.ac.za	Langrivier Orpheus Mini water level	
LR_OTT_OM_WT	Langrivier Orphe...	http://www.ott.com/web/o...	Langrivier Orpheus Mini Water tempe...	
MRS_AWS	Mariepskop AWS	http://data.saeon.ac.za	SAEON Ndlovu Node Mariepskop	Davis_Vantage...
PHA Off_AWS	Phalaborwa Offi...	http://data.saeon.ac.za	SAEON Ndlovu Node - Phalaborwa O...	Davis_Vantage...
TK_WL	Teirkloof Water ...	http://data.saeon.ac.za	tEIRKLOOF AUTOMATED LOGGER - ...	
Test1	Test2	http://data.saeon.ac.za	Testing	
TROLL_100_WL...	TROLL 100 Wat...	http://www.isimangaliso.c...	Water level logger files obtained from...	TROLL_100

Add Role

Role Name	Description	Date Start	Date End	Re...
-----------	-------------	------------	----------	-------

Add Transformations

Add Transformation

Phenomenon	Transformation	Offering	UOM	Effective Date	End Date
------------	----------------	----------	-----	----------------	----------

Data Source

Environmental Observatio x observations.brittondev.co.za/Default.aspx Logout

Environmental Observations

Navigation

- System Administration
- Data Views
- Master Data Management
 - Organisations
 - Projects/Sites
 - Stations
 - Data Sources**
 - Data Schemas
 - Sensors
 - Phenomenon
 - Unit of Measure
 - Offerings
 - Import Batches

Data Sources

[Add Data Source](#) [To Excel](#) [To CSV](#) [Add Role](#)

Code	Role Name	Description	Date Start	Date End	Read Only
JHK_ES	Add_user	Add new users to the data...	1900/01/01	1900/01/01	<input type="checkbox"/>
JHK_ES	Administrator		1900/01/01	1900/01/01	<input type="checkbox"/>
LR_ACS	Bosboukloof Data Provider	Upload data for Bosboukloof	1900/01/01	1900/01/01	<input type="checkbox"/>
LR_ACS	Data_Mariepskop	Upload Mariepskop data	1900/01/01	1900/01/01	<input type="checkbox"/>
LR_OTT	Data_Provider	Data provider - upload dat...	1900/01/01	1900/01/01	<input type="checkbox"/>
LR_OTT	Data_provider_admin	Specify the sensor, data s...	1900/01/01	1900/01/01	<input type="checkbox"/>
MRS_AU	Data_User	View and download data ...	1900/01/01	1900/01/01	<input type="checkbox"/>
PHA_OF	Master_Data_Management	Add, edit or delete phenom...	1900/01/01	1900/01/01	<input type="checkbox"/>
TK_W	New_datasource	Create a new data source,...	1900/01/01	1900/01/01	<input type="checkbox"/>
Test1					
TROLL					

Available Roles

Code	Role Name	Description	Date Start	Date End	Read Only
JHK_ES	Add_user	Add new users to the data...	1900/01/01	1900/01/01	<input type="checkbox"/>
JHK_ES	Administrator		1900/01/01	1900/01/01	<input type="checkbox"/>
LR_ACS	Bosboukloof Data Provider	Upload data for Bosboukloof	1900/01/01	1900/01/01	<input type="checkbox"/>
LR_ACS	Data_Mariepskop	Upload Mariepskop data	1900/01/01	1900/01/01	<input type="checkbox"/>
LR_OTT	Data_Provider	Data provider - upload dat...	1900/01/01	1900/01/01	<input type="checkbox"/>
LR_OTT	Data_provider_admin	Specify the sensor, data s...	1900/01/01	1900/01/01	<input type="checkbox"/>
MRS_AU	Data_User	View and download data ...	1900/01/01	1900/01/01	<input type="checkbox"/>
PHA_OF	Master_Data_Management	Add, edit or delete phenom...	1900/01/01	1900/01/01	<input type="checkbox"/>
TK_W	New_datasource	Create a new data source,...	1900/01/01	1900/01/01	<input type="checkbox"/>
Test1					
TROLL					

Add Transformations

[Add Transformation](#)

Phenomenon	Transformation	Offering	UOM	Effective Date	End Date

Data Source



SAEON
South African Environmental
Observation Network

Screenshot of the Environmental Observations application interface showing the Data Sources management screen.

The navigation sidebar on the left includes:

- System Administration
- Data Views
- Master Data Management
 - Organisations
 - Projects/Sites
 - Stations
- Data Sources** (selected)
- Data Schemas
- Sensors
- Phenomenon
- Unit of Measure
- Offerings
- Import Batches

The main content area shows the "Data Sources" list with the following columns: Code, Available Roles, Description, Date Start, Date End, and Read Only.

Code	Available Roles	Description	Date Start	Date End	Read Only
JHK_BS	<input type="checkbox"/> Role Name				
JHK_BS	<input type="checkbox"/> Add_user	Add new users to the database	1900/01/01	1900/01/01	
JHK_BS	<input checked="" type="checkbox"/> Administrator		1900/01/01	1900/01/01	
LR_ACS	<input type="checkbox"/> LR_ACS	Upload data for LR_ACS	1900/01/01	1900/01/01	
LR_ACS	<input type="checkbox"/> Data_Marienskon	Upload Marienskon data	1900/01/01	1900/01/01	
LR_OTI	<input checked="" type="checkbox"/> Data_Provider	Data provider - upload data to ...	1900/01/01	1900/01/01	
LR_OTI	<input type="checkbox"/> Data_provider_admin	Specify the sensor, data sene...	1900/01/01	1900/01/01	
MRS_A	<input checked="" type="checkbox"/> Data_User	View and download data only	1900/01/01	1900/01/01	
PHA_OF	<input type="checkbox"/> Master_Data_Management	Add, edit or delete phenomena,...	1900/01/01	1900/01/01	
TK_WL	<input type="checkbox"/> New_datasource	Create a new data source, incl...	1900/01/01	1900/01/01	

A modal dialog titled "Available Roles" is open, listing roles with checkboxes. Two roles are selected and highlighted with a red box: "Administrator" and "Data_Provider". A "Save" button at the bottom right of the modal is also highlighted with a red box.

At the bottom of the page, there is a section for "Add Transformations" with a "Add Transformation" button and a table for mapping Phenomenon, Transformation, Offering, UOM, Effective Date, and End Date.

Data Source



SAEON
South African Environmental
Observation Network

Environmental Observatio x

observations.brittondev.co.za/Default.aspx

Environmental Observations

Logout

Navigation

- System Administration
- Data Views
- Master Data Management
 - Organisations
 - Projects/Sites
 - Stations
 - Data Sources**
 - Data Schemas
 - Sensors
 - Phenomenon
 - Unit of Measure
 - Offerings
 - Import Batches

Data Sources

Add Data Source

Code	Name	Url	Description	Data Schema
JHK_BSVL_RAINT	Jonkershoek - Bi...		Tipping bucket rainfall and temperatur...	HOBO_Pendant...
JHK_EP_H	Jonkershoek His...	http://data.saeon.ac.za	Historical rainfall data records for Jo...	
LR_AC SYS_RAIN	Langrivier Acsys...	http://data.saeon.ac.za	Upload of historical data files for Lan...	ACSYSrainfall
LR_AC SYS_ST...	Langrivier Acsys...		Upload of histoical datafiles for Lang...	ACSYSstreamflow
LR_OTT_OM_WL	Langrivier Orphe...	http://data.saeon.ac.za	Langrivier Orpheus Mini water level	
LR_OTT_OM_WT	Langrivier Orphe...	http://www.ott.com/web/o...	Langrivier Orpheus Mini Water tempe...	
MRS_AWS	Mariepskop AWS	http://data.saeon.ac.za	SAEON Ndlovu Node Mariepskop	Davis_Vantage_...
PHA Off_AWS	Phalaborwa Offi...	http://data.saeon.ac.za	SAEON Ndlovu Node - Phalaborwa O...	Davis_Vantage_...
TK_WL	Teirkloof Water ...	http://data.saeon.ac.za	tEIRKLOOF AUTOMATED LOGGER - ...	
Test1	Test2	http://data.saeon.ac.za	Testing	
TROLL_100_WL...	TROLL 100 Wat...	http://www.isimangaliso.c...	Water level logger files obtained from...	TROLL_100

To Excel To CSV

Roles

Add Role

Role Name	Description	Date Start	Date End	Re...
Administrator		1900/01/01	1900/01/01	<input type="checkbox"/>
Data_Provider	Data provid...	1900/01/01	1900/01/01	<input type="checkbox"/>
Data_User	View and d...	1900/01/01	1900/01/01	<input type="checkbox"/>

Add Transformations

Add Transformation

Phenomenon	Transformation	Offering	UOM	Effective Date	End Date
------------	----------------	----------	-----	----------------	----------

Data Source

Environmental Observatio x observations.brittondev.co.za/Default.aspx

Environmental Observations

Logout

Navigation

- System Administration
- Data Views
- Master Data Management
 - Organisations
 - Projects/Sites
 - Stations
 - Data Sources**
 - Data Schemas
 - Sensors
 - Phenomenon
 - Unit of Measure
 - Offerings
 - Import Batches

Data Sources

Add Data Source

Code	Name	Url	Description	Data Schema
JHK_BSVL_RAIN	Jonkershoek - Bi...	http://data.saeon.ac.za	Tipping bucket rainfall and temperature - HOGO_Pendant...	
JHK_EP_H	Jonkershoek His...	http://data.saeon.ac.za		
LR_AC SYS_RAIN	Langrivier Acsys...	http://data.saeon.ac.za		
LR_AC SYS_ST...	Langrivier Acsys...			
LR_OTT_OM_WL	Langrivier Orph...	http://data.saeon.ac.za		
LR_OTT_OM_WT	Langrivier Orph...	http://www.ott.com/webp...		
MRS_AWS	Mariepskop AWS	http://data.saeon.ac.za		
PHA Off_AWS	Phakaborwa Offi...	http://data.saeon.ac.za		
TK_WL	Teirkloof Water ...	http://data.saeon.ac.za		
Test1	Test2	http://data.saeon.ac.za		
TROLL_100_WL...	TROLL 100 Wat...	http://www.isimangaliso.c...		

To Excel To CSV

Role Detail

Start Date: 2013/05/13

End Date: 2100/01/01

Read Only:

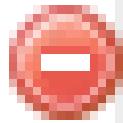
Form is valid

Save

Roles

Role Name	Description	Date Start	Date End	Re...
Administrator		1900/01/01	1900/01/01	 
Data provid...		1900/01/01	1900/01/01	 
View and d...		1900/01/01	1900/01/01	 

Data Source



SAEON
South African Environmental
Observation Network

Environmental Observatio x

observations.brittondev.co.za/Default.aspx

Logout

Environmental Observations

Navigation

- System Administration
- Data Views
- Data Sources**
- Master Data Management
 - Organisations
 - Projects/Sites
 - Stations
 - Data Sources
 - Data Schemas
 - Sensors
 - Phenomenon
 - Unit of Measure
 - Offerings
 - Import Batches

Data Sources

Add Data Source

Code	Name	Url	Description	Data Schema
JHK_BSVL_RAINT	Jonkershoek - Bi...		Tipping bucket rainfall and temperatur...	HOBO_Pendant...
JHK_EP_H	Jonkershoek His...	http://data.saeon.ac.za	Historical rainfall data records for Jo...	
LR_AC SYS_RA IN	Langrivier Acsys...	http://data.saeon.ac.za	Upload of historical data files for Lan...	ACSYSrainfall
LR_AC SYS_ST...	Langrivier Acsys...		Upload of histoical datafiles for Lang...	ACSYSstreamflow
LR_OTT_OM_WL	Langrivier Orphe...	http://data.saeon.ac.za	Langrivier Orpheus Mini water level	
LR_OTT_OM_WT	Langrivier Orphe...	http://www.ott.com/web/o...	Langrivier Orpheus Mini Water tempe...	
MRS_AWS	Mariepskop AWS	http://data.saeon.ac.za	SAEON Ndlovu Node Mariepskop	Davis_Vantage...
PHA Off_AWS	Phalaborwa Offi...	http://data.saeon.ac.za	SAEON Ndlovu Node - Phalaborwa O...	Davis_Vantage...
TK_WL	Teirkloof Water ...	http://data.saeon.ac.za	TEIRKLOOF AUTOMATED LOGGER - ...	
Test1	Test2	http://data.saeon.ac.za	Testing	
TROLL_100_WL...	TROLL 100 Wat...	http://www.isimangaliso.c...	Water level logger files obtained from...	TROLL_100

To Excel To CSV

Roles

Add Role

Role Name	Description	Date Start	Date End	Re...
Administrator		2013/05/13	2100/01/01	<input type="checkbox"/>
Data_Provider	Data provid...	2013/05/13	2100/01/01	<input type="checkbox"/>
Data_User	View and d...	2013/05/13	2100/01/01	<input type="checkbox"/>

Add Transformations

Add Transformation

Phenomenon	Transformation	Offering	UOM	Effective Date	End Date
------------	----------------	----------	-----	----------------	----------

Data Source



SAEON
South African Environmental
Observation Network

Environmental Observatio x

observations.brittondev.co.za/Default.aspx

Logout

Environmental Observations

Navigation

- System Administration
- Data Views
- Master Data Management
 - Organisations
 - Projects/Sites
 - Stations
 - Data Sources**
 - Data Schemas
 - Sensors
 - Phenomenon
 - Unit of Measure
 - Offerings
 - Import Batches

Data Sources

Add Data Source

Code	Name	Url	Description	Data Schema
JHK_BSVL_RAINT	Jonkershoek - Bi...		Tipping bucket rainfall and temperatur...	HOBO_Pendant...
JHK_EP_H	Jonkershoek His...	http://data.saeon.ac.za	Historical rainfall data records for Jo...	
LR_AC SYS_RAIN	Langrivier Acsys...	http://data.saeon.ac.za	Upload of historical data files for Lan...	ACSYSrainfall
LR_AC SYS_ST...	Langrivier Acsys...		Upload of histoical datafiles for Lang...	ACSYSstreamflow
LR_OTT_OM_WL	Langrivier Orphe...	http://data.saeon.ac.za	Langrivier Orpheus Mini water level	
LR_OTT_OM_WT	Langrivier Orphe...	http://www.ott.com/web/o...	Langrivier Orpheus Mini Water tempe...	
MRS_AWS	Mariepskop AWS	http://data.saeon.ac.za	SAEON Ndlovu Node Mariepskop	Davis_Vantage...
PHA Off_AWS	Phakaborwa Offi...	http://data.saeon.ac.za	SAEON Ndlovu Node - Phakaborwa O...	Davis_Vantage...
TK_WL	Teirkloof Water ...	http://data.saeon.ac.za	tEIRKLOOF AUTOMATED LOGGER - ...	
Test1	Test2	http://data.saeon.ac.za	Testing	
TROLL_100_WL...	TROLL 100 Wat...	http://www.isimangaliso.c...	Water level logger files obtained from...	TROLL_100

To Excel To CSV

Roles

Add Role

Role Name	Description	Date Start	Date End	Re...
Administrator		2013/05/13	2100/01/01	<input type="checkbox"/>
Data_Provider	Data provid...	2013/05/13	2100/01/01	<input type="checkbox"/>
Data_User	View and d...	2013/05/13	2100/01/01	<input type="checkbox"/>

Add Transformations

Add Transformation

Phenomenon	Transformation	Offering	UOM	Effective Date	End Date
------------	----------------	----------	-----	----------------	----------

Data Source



National Research Foundation

SAEON
South African Environmental
Observation Network

Observations Database



- Transformation details
 - Correction / Calibration (formula applied to the raw value to correct for measurement error, equipment change etc. E.g. rain gauge)
 - Quality control on values (E.g. rain fall must be > 0)
 - Rating table (streamflow: conversion from stream height to volume of streamflow)

Correction/Calibration

Environmental Observatio x

observations.brittondev.co.za/Default.aspx

Logout

Environmental Observations

Navigation

- System Administration
- Data Views
- Master Data Management
 - Organisations
 - Projects/Sites
 - Stations
 - Data Sources**
 - Data Schemas
 - Sensors
 - Phenomenon
 - Unit of Measure
 - Offerings
 - Import Batches

Data Sources

Add Data Source

Code	Name	Url
ACSYS_R	ACSYS_Rainfall	http://data.saeon.a...
ACSYS_S	ACSYS_Streamf...	http://www.data.s...
ARC_AWS	ARC_AWS	http://data.saeon.a...
BSKR	Bassonskloof R...	
BMHF	Bloemhof Farm -...	
BBK_AC SYS_R...	Bosboukloof A...	http://data.saeon.a...
BBK_OTT_OM_WL	Bosboukloof Or...	http://data.saeon.a...
CP_Stream_2	Cathedral Peak -...	
CTP_AWS	Cathedral Peak ...	http://data.saeon.a...
CP_Rain_2	Cathedral Peak ...	
TROLL_100_FAN	Fanies Island - T...	http://data.saeon.a...

Page 1 of 2

Add Transformations

Add Transformation

Phenomenon	Transformation
------------	----------------

Transformation Detail

Transformation Type:
Correction/ Calibration

Phenomenon:
Rainfall

Offering:
Actual

Unit of Measure:
Millimeter

Effective Date:
6/1/1900

Transformation Definition:
eq:"0.99875*[value]"

New Offering:
Actual

New Unit of Measure:
Millimeter

Form is valid

Save

Role

Name	Description	Date Start	Date End	Re...
User	View and d...	1900/01/01	2100/01/01	
Administrator		1900/01/01	2053/01/18	

Rating table

Rating table

Untitled - Notepad

File Edit Format View Help

```
"0":"0","0.01":"0","0.02":"0.0001","0.03":"0.0002","0.04":"0.0005","0.05":"0.0008","0.06":"0.0012","0.07":"0.0018","0.08":"0.0025","0.09":"0.0034","0.1":"0.0044","0.11":"0.0056","0.12":"0.007","0.13":"0.0085","0.14":"0.0102","0.15":"0.0121","0.16":"0.0143","0.17":"0.0166","0.18":"0.0191","0.19":"0.0219","0.2":"0.0249","0.21":"0.0281","0.22":"0.0315","0.23":"0.0352","0.24":"0.0392","0.25":"0.0434","0.26":"0.0478","0.27":"0.0526","0.28":"0.0575","0.29":"0.0628","0.3":"0.0684","0.31":"0.0742","0.32":"0.0803","0.33":"0.0867","0.34":"0.0934","0.35":"0.1004","0.36":"0.1078","0.37":"0.1154","0.38":"0.1233","0.39":"0.1316","0.4":"0.1402","0.41":"0.1491","0.42":"0.1584","0.43":"0.1679","0.44":"0.1779","0.45":"0.1881","0.46":"0.199","0.47":"0.2121","0.48":"0.2266","0.49":"0.2421","0.5":"0.2586","0.51":"0.2759","0.52":"0.294","0.53":"0.3127","0.54":"0.3322","0.55":"0.3522","0.56":"0.3728","0.57":"0.394","0.58":"0.4157","0.59":"0.438","0.6":"0.4608","0.61":"0.484","0.62":"0.5077","0.63":"0.5321","0.64":"0.5569","0.65":"0.5822","0.66":"0.608","0.67":"0.6343","0.68":"0.6609","0.69":"0.688","0.7":"0.7156","0.71":"0.7436","0.72":"0.772","0.73":"0.8008","0.74":"0.83","0.75":"0.8596","0.76":"0.8896","0.77":"0.92","0.78":"0.9508","0.79":"0.982","0.8":"1.014","0.81":"1.045","0.82":"1.078","0.83":"1.11","0.84":"1.143","0.85":"1.177","0.86":"1.211","0.87":"1.245","0.88":"1.279","0.89":"1.314","0.9":"1.349","0.91":"1.385","0.92":"1.42","0.93":"1.457","0.94":"1.493","0.95":"1.53","0.96":"1.567","0.97":"1.605","0.98":"1.642","0.99":"1.681","1":"1.719","1.01":"1.758","1.02":"1.797","1.03":"1.836","1.04":"1.876","1.05":"1.916","1.06":"1.957","1.07":"1.997","1.08":"2.038","1.09":"2.08","1.1":"2.121","1.11":"2.163","1.12":"2.205","1.13":"2.248","1.14":"2.291","1.15":"2.334","1.16":"2.377","1.17":"2.421","1.18":"2.465","1.19":"2.509","1.2":"2.554"
```

Quality control

Environmental Observatio x

observations.brittondev.co.za/Default.aspx

Logout

Environmental Observations

Navigation

- System Administration
- Data Views
- Master Data Management
 - Organisations
 - Projects/Sites
 - Stations
 - Data Sources**
 - Data Schemas
 - Sensors
 - Phenomenon
 - Unit of Measure
 - Offerings
 - Import Batches

Import Batches Data Sources

Data Sources

Code	Name	Url
ACSYS_R	ACSYS_Rainfall	http://data.saeon.ac.za
ACSYS_S	ACSYS_Streamf...	http://www.data.saeon.ac.za
ARC_AWS	ARC_AWS	http://data.saeon.ac.za
BSKR	Bassonskloof R...	
BMHF	Bloemhof Farm -...	
BBK_AC SYS_R...	Bosboukloof A...	http://data.saeon.ac.za
BBK_OTT_OM_WL	Bosboukloof Or...	http://data.saeon.ac.za
CP_Stream_2	Cathedral Peak -...	
CTP_AWS	Cathedral Peak ...	http://data.saeon.ac.za
CP_Rain_2	Cathedral Peak ...	
TROLL_100_FAN	Fanies Island - T...	http://data.saeon.ac.za

Add Data Source

Transformation Detail

Transformation Type: Quality Control on Values

Phenomenon: Streamflow

Offering: Actual

Unit of Measure: Cubic meters

Effective Date: 6/10/1900

Transformation Definition:
min:0

New Offering: Please select

New Unit of Measure: Please select

Date

Form is valid

Save

Quality control



SAEON
South African Environmental
Observation Network

Environmental Observatio x

observations.brittondev.co.za/Default.aspx

Logout

Environmental Observations

Navigation

- System Administration
- Data Views
- Master Data Management
 - Organisations
 - Projects/Sites
 - Stations
 - Data Sources**
 - Data Schemas
 - Sensors
 - Phenomenon
 - Unit of Measure
 - Offerings
 - Import Batches

Import Batches

New Import

To Excel To CSV

Number	Import Date	DataSourceName	FileName	LogFileName	Status	Actions
373	10-06-2013 14:36:12	Cathedral Peak - Catchment 2 - Streamflow	C02D5059.TXT	C02D5059.LOG	Errors in Datalog	
372	07-06-2013 12:44:03	Hospital Bend Soil Moisture_Block A Bottom	BlockA_Bottom_Table1_16May2013....		Errors in Datalog	
371	30-05-2013 14:51:50	Jonkershoek - Biesiesvlei catchment - Rainfall -...	19B_BiesievleiB30January2013 v3.4 ...		No Errors in Log	
312	23-04-2013 11:05:00	Bosboukloof Acsys Rainfall	BKRD0008.TXT	BKRD0008.LOG	No Errors in Log	
311	12-04-2013 16:54:34	Bosboukloof Orpheus Mini - Water Level	BOSBOUKLOO WLEV 20130326.MIS		No Errors in Log	
310	12-04-2013 16:23:35	Cathedral Peak - Catchment 2 - Streamflow	C02D7079.TXT	C02D7079.LOG	No Errors in Log	

Displaying 1 - 25 of 39

Data Log

Sensor	Date	Raw Value	Data Value	Phenomenon	Offering	Unit	Status	Actions
Cathedral Peak 2 - Streamf...	01-01-1950 01:00:00	-0.1749		Streamflow	Actual	Cubic meters	Rejected	
Cathedral Peak 2 - Streamf...	01-01-1950 02:00:00	-0.2941		Streamflow	Actual	Cubic meters	Rejected	

Page 1 of 1

Displaying 1 - 2 of 2

Quality control



SAEON
South African Environmental
Observation Network

Environmental Observatio x

observations.brittondev.co.za/Default.aspx

Logout

Environmental Observations

Navigation

- System Administration
- Data Views
- Master Data Management
 - Organisations
 - Projects/Sites
 - Stations
 - Data Sources**
 - Data Schemas
 - Sensors
 - Phenomenon
 - Unit of Measure
 - Offerings
 - Import Batches

Import Batches

New Import

Number	Import Date	DataSourceName
373	10-06-2013 14:36:12	Cathedral Peak
372	07-06-2013 12:44:03	Hospital Bend S
371	30-05-2013 14:51:50	Jonkershoek - I
312	23-04-2013 11:05:00	Bosboukloof A
311	12-04-2013 16:54:34	Bosboukloof O
310	12-04-2013 16:23:35	Cathedral Peak

To Excel To CSV

Datalog record Details

Sensor: Cathedral Peak 2 - Streamflow

Date Value: 1/1/1950

Raw Value: -0.1749

Data Value: (Red box)

Offering: Actual

Unit of Measure: Cubic meters

Comment: (Red box)

Form is invalid

Save

Status

	Status
Errors in Datalog	
Errors in Log	
No Errors in Log	
No Errors in Log	
No Errors in Log	
No Errors in Log	

Displaying 1 - 25 of 39

Data Log

Sensor	Date	Raw Value
Cathedral Peak 2 - Streamf...	01-01-1950 01:00:00	-0.1749
Cathedral Peak 2 - Streamf...	01-01-1950 02:00:00	-0.294

Status

	Status
Rejected	
Rejected	

Displaying 1 - 2 of 2

Data Source



SAEON
South African Environmental
Observation Network

Environmental Observatio x observations.brittondev.co.za/Default.aspx Logout

Environmental Observations

Navigation

- System Administration
- Data Views
- Master Data Management
 - Organisations
 - Projects/Sites
 - Stations
 - Data Sources**
 - Data Schemas
 - Sensors
 - Phenomenon
 - Unit of Measure
 - Offerings
 - Import Batches

Data Sources

[Add Data Source](#) [To Excel](#) [To CSV](#)

Code	Name	Url	Description	Data Schema
JHK_BSVL_RAINT	Jonkershoek - Bi...		Tipping bucket rainfall and temperatur...	HOBO_Pendant...
JHK_EP_H	Jonkershoek His...	http://data.saeon.ac.za	Historical rainfall data records for Jo...	
LR_AC SYS_RAIN	Langrivier Acsys...	http://data.saeon.ac.za	Upload of historical data files for Lan...	ACSYSrainfall
LR_AC SYS_ST...	Langrivier Acsys...		Upload of histoical datafiles for Lang...	ACSYSstreamflow
LR_OTT_OM_WL	Langrivier Orphe...	http://data.saeon.ac.za	Langrivier Orpheus Mini water level	
LR_OTT_OM_WT	Langrivier Orphe...	http://www.ott.com/web/o...	Langrivier Orpheus Mini Water tempe...	
MRS_AWS	Mariepskop AWS	http://data.saeon.ac.za	SAEON Ndlovu Node Mariepskop	Davis_Vantage...
PHA Off_AWS	Phalaborwa Offi...	http://data.saeon.ac.za	SAEON Ndlovu Node - Phalaborwa O...	Davis_Vantage...
TK_WL	Teirkloof Water ...	http://data.saeon.ac.za	tEIRKLOOF AUTOMATED LOGGER - ...	
Test1	Test2	http://data.saeon.ac.za	Testing	
TROLL_100_WL...	TROLL 100 Wat...	http://www.isimangaliso.c...	Water level logger files obtained from...	TROLL_100

Page 1 of 2 Displaying 1 - 25 of 26

Add Transformations

[Add Transformation](#)

Phenomenon	Transformation	Offering	UOM	Effective Date	End Date
Streamflow	Rating Table	Actual	Meter	01/10/1942	

Sensor



SAEON
South African Environmental
Observation Network

Environmental Observatio X

observations.brittondev.co.za/Default.aspx

Logout

Environmental Observations

Navigation

- [System Administration](#)
- [Data Views](#)
- [Master Data Management](#)
 - [Organisations](#)
 - [Projects/Sites](#)
 - [Stations](#)
 - [Data Sources](#)
 - [Data Schemas](#)
 - [Sensors](#)
 - [Phenomenon](#)
 - [Unit of Measure](#)
 - [Offerings](#)
 - [Import Batches](#)

Sensor

Environmental Observatio x

observations.brittondev.co.za/Default.aspx

Logout

Environmental Observations

Navigation

- System Administration
- Data Views
- Master Data Management
 - Organisations
 - Projects/Sites
 - Stations
 - Data Sources
 - Data Schemas
 - Sensors**
 - Phenomenon
 - Unit of Measure
 - Offerings
 - Import Batches

Sensors

Sensor Procedure

Add Sensor Procedure

To Excel To CSV

Code	Name	Description	Source Name	Schema Name
2A_SWB_Rain	2A/Swartzbosch...	Swartzboschloof weather station sta...	Jonkershoek Historical Rain data	Swartzboschloof 2A - Historical daily...
2B_SWB_Rain	2B/Swartzbosch...	Swartzboschloof weather station sta...	Jonkershoek Historical Rain data	Swartzboschloof Weather Station
ARC_AWS_E	AWS-ARC - Eva...	Swartzboschloof Automated Weather S...	ARC_AWS	
ARC_AWS_H	AWS-ARC - Hu...	Swartzboschloof Automated Weather S...	ARC_AWS	
ARC_AWS_R	AWS-ARC - Rai...	Swartzboschloof Automated Weather S...	ARC_AWS	
ARC_AWS_T	AWS-ARC - Te...	Swartzboschloof Automated Weather S...	ARC_AWS	
ARC_AWS_VP	AWS-ARC - Va...	Swartzboschloof Automated Weather S...	ARC_AWS	
ARC_AWS_W	AWS-ARC - Wind	Swartzboschloof Automated Weather S...	ARC_AWS	
BSKRG	Bassonskloof_R...	Standard rain gauge at Bassonskloof...	Bassonskloof Rainfall - Eastern Cape	
BMHF_R	Bloemhof farm r...	Standard rain gauge at Bloemhof Farm	Bloemhof Farm - rain	
BBK_OTT_OM_WL	Bosboukloof OTT...	Bosboukloof OTT Orpheus Mini - Wat...	Bosboukloof Orpheus Mini - Water Le...	
BBK_Rain	Bosboukloof Rai...	Bosboukloof Casella raingauge	Bosboukloof Acsys Rainfall	
BBK_S	Bosboukloof Str...	Belfort Streamflow logger - Bosboukl...	ACSYS_streamflow	Historical streamflow data
CP2_Stream	Cathedral Peak ...	Cathedral Peak catchment 2, Streamfl...	Cathedral Peak - Catchment 2 - Strea...	Historical streamflow data
CP_AWS_H	Cathedral Peak ...	Cathedral Peak Automated Weather ...	Cathedral Peak Automated Weather ...	
CP_AWS_R	Cathedral Peak ...	Cathedral Peak Automated Weather ...	Cathedral Peak Automated Weather ...	
CP_AWS_RAIN	Cathedral Peak ...	Cathedral Peak Automated Weather ...	Cathedral Peak Automated Weather ...	
CP_AWS_W	Cathedral Peak ...	Cathedral Peak Automated Weather ...	Cathedral Peak Automated Weather ...	
CP_AWS_T	Cathedral Peak ...	Cathedral Peak Automated Weather ...	Cathedral Peak Automated Weather ...	
DVP_H	Davis Vantage P...	Davis Vantage Pro2 humidity sensor	Haenertsburg AWS	
DVP_P	Davis Vantage P...	Davis Vantage Pro2 pressure sensor	Haenertsburg AWS	

Page 1 of 3 | < > | Displaying 1 - 25 of 59

Sensor



SAEON
South African Environmental
Observation Network

Environmental Observatio ×

observations.brittondev.co.za/Default.aspx

Environmental Observations

Logout

To Excel To CSV

Sensors

Sensor Procedure

Add Sensor Procedure

Sensor Procedure Detail

Code: JHK_BSVL_DAVIS_R Name: Jonkershoek - Biesiesvlei catchment

URL: http://www.scientificsales.com/7852M-Metric-Davis-Rain-Gauge-p/7852m.htm

Description: The Davis Model 7852M Metric Rain Collector is a tipping bucket rain gauge. The bucket tips when it has collected 0.2mm water.

Station: Biesiesvlei catchment

Phenomenon: Rainfall

DataSource: Jonkershoek - Biesiesvlei catchment - Rainfall -Tipping bucket

Data Schema: Select Data Schema

Form is valid

Save

Navigation

- System Administration
- Data Views
- Master Data Management
 - Organisations
 - Projects/Sites
 - Stations
 - Data Sources
 - Data Schemas
 - Sensors**
 - Phenomenon
 - Unit of Measure
 - Offerings
 - Import Batches

Code Name Description

DVV_FDI	Davis Vantage ...	Davis Vantage
DVV_H	Davis Vantage ...	Davis Vantage
DVV_Rad	Davis Vantage ...	Davis Vantage
DVV_R	Davis Vantage ...	Davis Vantage
DVV_T	Davis Vantage ...	Davis Vantage
DVV_UV	Davis Vantage ...	Davis Vantage
DVV_W	Davis Vantage ...	Davis Vantage
DVV_P	Davis Vantage ...	Davis Vantage
HB_Temp_1	Hospital Bend S...	Soil temperat...
HB_Temp2	Hospital Bend S...	Soil temperat...
HB_WS	Hospital Bend W...	Hospital Bend
JHK_BSVL_DA...	Jonkershoek - Bi...	The Davis Model
LR_S	Langriver_Stream	Belfort
OTT_OM_WL_LR	Langrivier Orph...	OTT Drift
OTT_OM_WT_LR	Langrivier Orph...	OTT Drift
LGR_Rain	Langrivier Rainfall	Langrivier
CP_2_Rain	Peak2br	Catchment
Pha_DVP_H	Phalaborwa Dav...	Phalaborwa
Pha_DVP_T	Phalaborwa Dav...	Phalaborwa
Pha_DVP_W	Phalaborwa Dav...	Phalaborwa
Pha_DVP_P	Phalaborwa Dav...	Phalaborwa Davis Vantage Pro2 pro...

Page 2 of 3

Displaying 26 - 50 of 60

Sensor



SAEON
South African Environmental
Observation Network

Environmental Observatio x

observations.brittondev.co.za/Default.aspx

Logout

Environmental Observations

Navigation

- System Administration
- Data Views
- Master Data Management
 - Organisations
 - Projects/Sites
 - Stations
 - Data Sources
 - Data Schemas
 - Sensors**
 - Phenomenon
 - Unit of Measure
 - Offerings
 - Import Batches

Sensors

Sensor Procedure

Add Sensor Procedure

To Excel To CSV

Code	Name	Description	Source Name	Schema Name
DVV_FDI	Davis Vantage Vue - FDI	Davis Vantage Vue Fire Danger Inde...	Mariepskop AWS	
DVV_H	Davis Vantage Vue - Humidity	Davis Vantage Vue humidity sensor	Mariepskop AWS	
DVV_Rad	Davis Vantage Vue - Radiation	Davis Vantage Vue solar radiation se...	Mariepskop AWS	
DVV_R	Davis Vantage Vue - Rainfall	Davis Vantage Vue rainfall sensor	Mariepskop AWS	
DVV_T	Davis Vantage Vue - Temperature	David Vantage Vue Temperature sen...	Mariepskop AWS	
DVV_UV	Davis Vantage Vue - UV	Davis Vantage Vue Ultra Violet sensor	Mariepskop AWS	
DVV_W	Davis Vantage Vue - Wind	Davis Vantage Vue wind sensor	Mariepskop AWS	
DVV_P	Davis Vantage Vue Pressure	Davis Vantage Vue pressure sensor	Mariepskop AWS	
HB_Temp_1	Hospital Bend Soil Temperature 1	Soil temperature 1	Hospital Bend Soil Moisture	Campbell Scientific average te...
HB_Temp2	Hospital Bend Soil Temperature 2	Soil temperature 2	Hospital Bend Soil Moisture	Campbell scientific average te...
HB_WS	Hospital Bend Weather S	Hospital bend Weather S	Hospital Bend Weather S	
JHK_BSVL_DAVIS_T	Jonkershoek - Biesiesvlei catchment 7852M Metric Davis R...	The Davis Model 7852M Metric Rain C...	Jonkershoek - Biesiesvlei catchment ...	
JHK_BSVL_DAVIS_R	Jonkershoek - Biesiesvlei catchment 7852M Metric Davis R...	The Davis Model 7852M Metric Rain C...	Jonkershoek - Biesiesvlei catchment ...	
LR_S	Langriver_Stream	Belfort Streamflow logger - Langrivie...	Langriviwer Acsys Streamflow	
OTT_OM_WL_LR	Langrivier Orpheus Mini - Water Level	OTT Orpheus Mini - Groundwater dat...	Langrivier Orpheus Mini - Water Level	Water level data from Orpheus
OTT_OM_WT_LR	Langrivier Orpheus Mini - Water Temperature	OTT Orpheus Mini - Groundwater dat...	Langrivier Orpheus Mini - Water Tem...	Orpheus Mini Water Temperatu...
LGR_Rain	Langrivier Rainfall	Langrivier Casella rain gauge	Langrivier Acsys Rainfall	Historical rainfall data
CP_2_Rain	Peak2br	Catchedral Peak raingauge catchment 2	Cathederal Peak Rainfall - Catchment 2	
Pha_DVP_H	Phalaborwa Davis Vantage Pro - Humidity	Phalaborwa Davis Vantage Pro2 hum...	Phalaborwa Office AWS	
Pha_DVP_T	Phalaborwa Davis Vantage Pro - Temperature	Phalaborwa Davis Vantage Pro2 tem...	Phalaborwa Office AWS	

Page 2 of 3

Displaying 26 - 50 of 61

Multiple Sensors



SAEON
South African Environmental
Observation Network

Environmental Observatio x

observations.brittondev.co.za/Default.aspx

Logout

Environmental Observations

Navigation

- System Administration
- Data Views
- Master Data Management
 - Organisations
 - Projects/Sites
 - Stations
 - Data Sources
 - Data Schemas
 - Sensors
 - Phenomenon
 - Unit of Measure
 - Offerings
 - Import Batches

Data Schemas Sensors

Sensor Procedure

Add Sensor Procedure

To Excel To CSV

Code	Name	Description	Source Name	Schema Name
DVV_Rad	Davis Vantage Vue - Radia...	Davis Vantage Vue solar radiation sensor	Mariepskop AWS	
DVV_T	Davis Vantage Vue - Temp...	David Vantage Vue Temperature sensor	Mariepskop AWS	
DVV_UV	Davis Vantage Vue - UV	Davis Vantage Vue Ultra Violet sensor	Mariepskop AWS	
DVV_W	Davis Vantage Vue - Wind	Davis Vantage Vue wind sensor	Mariepskop AWS	
HB_SM_1	Volumetric Water Content_1	Hospital Bend Soil Moisture - Sensor 1	Hospital Bend Soil Moisture_Block A Bottom	Campbell Scientific average volumetric water content sensor - 1
HB_SM_2	Volumetric Water Content 2	Hospital Bend Soil Moisture 2	Hospital Bend Soil Moisture_Block A Bottom	Campbell Scientific CL616 average volumetric water content sensor - 2
HB_SM_3	Volumetric Water Content 3	Hospital Bend Soil Moisture 3	Hospital Bend Soil Moisture_Block A Bottom	Campbell Scientific average volumetric water content sensor - 3
HB_SM_4	Volumetric Water Content 4	Hospital Bend Soil Moisture 4	Hospital Bend Soil Moisture_Block A Bottom	Campbell Scientific average volumetric water content sensor - 4
HB_SM_5	Volumetric Water Content 5	Hospital Bend Soil Moisture 5	Hospital Bend Soil Moisture_Block A Bottom	Campbell Scientific average volumetric water content sensor - 5
HB_SM_6	Volumetric Water Content	Hospital Bend Soil Moisutre	Hospital Bend Soil Moisture_Block A Bottom	Campbell Scientific average volumetric water content sensor - 6
HB_Temp_1	Hospital Bend Soil Tempera...	Soil temperature 1	Hospital Bend Soil Moisture_Block A Bottom	Campbell Scientific average temperature - 1
HB_Temp2	Hospital Bend Soil Tempera...	Soil temperature 2	Hospital Bend Soil Moisture_Block A Bottom	Campbell scientific average temperature - 2
HB_WS	Hospital Bend Weather S	Hospital bend Weather S	Hospital Bend Weather S	
JHK_BSVL_DA...	Jonkershoek - Biesiesvlei c...	The Davis Model 7852M Metric Rain Coll...	Jonkershoek - Biesiesvlei catchment - Rainfall ...	
JHK_BSVL_DA...	Jonkershoek - Biesiesvlei c...	The Davis Model 7852M Metric Rain Coll...	Jonkershoek - Biesiesvlei catchment - Rainfall ...	
JHK_WEI	Weikamp	Weikamp temperature	WEIKAP	
LGR_Rain	Langrivier Rainfall	Langrivier Casella rain gauge	Langrivier Acsys Rainfall	Historical rainfall data
LR_S	Langriver_Stream	Belfort Streamflow logger - Langrivier c...	Langrivier Acsys Streamflow	
OTT_OM_WL_LR	Langrivier Orpheus Mini - ...	OTT Orpheus Mini - Groundwater data l...	Langrivier Orpheus Mini - Water Level	Water level data from Orpheus Mini
OTT_OM_WT_LR	Langrivier Orpheus Mini - ...	OTT Orpheus Mini - Groundwater data l...	Langrivier Orpheus Mini - Water Temperature	Orpheus Mini Water Temperature Logger

Page 2 of 3

Displaying 26 - 50 of 61

Data Upload



Environmental Observatio x

observations.brittondev.co.za/Default.aspx

Logout

Environmental Observations

Navigation

- System Administration
- Data Views
- Master Data Management
 - Organisations
 - Projects/Sites
 - Stations
 - Data Sources
 - Data Schemas
 - Sensors
 - Phenomenon
 - Unit of Measure
 - Offerings
- Import Batches

The "Import Batches" option in the navigation menu is highlighted with a red rectangular box.

Data Upload



SAEON
South African Environmental
Observation Network

Environmental Observatio x observations.brittondev.co.za/Default.aspx Logout

Environmental Observations

Navigation

- System Administration
- Data Views
- Master Data Management
 - Organisations
 - Projects/Sites
 - Stations
 - Data Sources
 - Data Schemas
 - Sensors
 - Phenomenon
 - Unit of Measure
 - Offerings
 - Import Batches

Import Batches

New Import

Number	Import Date	DataSourceName	FileName	LogFileName	Status	Actions
312	23-04-2013 11:05:00	Bosboubkloof Acsys Rainfall	BKRD0008.TXT	BKRD0008.LOG	No Errors in Log	
311	12-04-2013 16:54:34	Bosboubkloof Orpheus Mini - Water Level	BOSBOUKLOO WLEV 20130326.MIS		No Errors in Log	
310	12-04-2013 16:23:35	Cathedral Peak - Catchment 2 - Streamflow	C02D7079.TXT	C02D7079.LOG	No Errors in Log	
308	06-02-2013 15:37:00	Cathedral Peak - Catchment 2 - Streamflow	C02D9099.TXT	C02D9099.LOG	No Errors in Log	
307	06-02-2013 10:43:42	Bosboubkloof Acsys Rainfall	BKRD8089.TXT	BKRD8089.LOG	No Errors in Log	
306	05-02-2013 16:27:19	Bosboubkloof Orpheus Mini - Water Level	BOSBOUKLOO WLEV 20121128.MIS		No Errors in Log	

Page 1 of 2 | Displaying 1 - 25 of 36

Data Log

Sensor	Date	Raw Value	Data Value	Phenomenon	Offering	Unit	Status

Page 1 of 1 | No data found

Data Upload

Environmental Observatio x

observations.brittondev.co.za/Default.aspx

Logout

Environmental Observations

Navigation

- System Administration
- Data Views
- Master Data Management
 - Organisations
 - Projects/Sites
 - Stations
 - Data Sources
 - Data Schemas
 - Sensors
 - Phenomenon
 - Unit of Measure
 - Offerings
 - Import Batches

Import Batches

New Import

Number	Import Date
371	30-05-2013 14:10
312	23-04-2013 11:20
311	12-04-2013 16:10
310	12-04-2013 16:10
308	06-02-2013 15:10
307	06-02-2013 10:10

Import Data File

Select File

Data Source: Jonkershoek - Biesiesvlei catchment - Rainfall -Tipping bucket

Data File: 19B_BiesiesvleiB30January2013 v3.4 - Copy.csv

Log File: Select a log File

Import file Reset

Data Log

Error

Displaying 1 - 25 of 37

No data found

Data Upload

Environmental Observatio x observations.brittondev.co.za/Default.aspx

Logout

Environmental Observations

Navigation

- System Administration
- Data Views
- Master Data Management
 - Organisations
 - Projects/Sites
 - Stations
 - Data Sources
 - Data Schemas
 - Sensors
 - Phenomenon
 - Unit of Measure
 - Offerings
 - Import Batches

Import Batches

New Import

Number	Import Date	DataSourceName	FileName	LogFileName	Status	Action
371	30-05-2013 14:51:50	Jonkershoek - Biesiesvlei catchment - Rainfall -...	19B_BiesiesvleiB30January2013 v3.4 ...		No Errors in Log	
312	23-04-2013 11:05:00	Bosboukloof Acsys Rainfall	BKRD0008.TXT	BKRD0008.LOG	No Errors in Log	
311	12-04-2013 16:54:34	Bosboukloof Orpheus Mini - Water Level	BOSBOUKLOO WLEV 20130326.MIS		No Errors in Log	
310	12-04-2013 16:23:35	Cathedral Peak - Catchment 2 - Streamflow	C02D7079.TXT	C02D7079.LOG	No Errors in Log	
308	06-02-2013 15:37:00	Cathedral Peak - Catchment 2 - Streamflow	C02D9099.TXT	C02D9099.LOG	No Errors in Log	
307	06-02-2013 10:43:42	Bosboukloof Acsys Rainfall	BKRD8089.TXT	BKRD8089.LOG	No Errors in Log	

Page 1 of 2 | Displaying 1 - 25 of 37

Data Log

Sensor	Date	Raw Value	Data Value	Phenomenon	Offering	Unit	Status
							No data found

Page 1 of 1 |

Data Upload



SAEON
South African Environmental
Observation Network

Environmental Observatio ×

observations.brittondev.co.za/Default.aspx

Logout

Environmental Observations

Navigation

- System Administration
- Data Views
- Master Data Management
 - Organisations
 - Projects/Sites
 - Stations
 - Data Sources
 - Data Schemas
 - Sensors
 - Phenomenon
 - Unit of Measure
 - Offerings
- Import Batches

Import Batches

New Import

Number	Import Date	DataSourceName	FileName	LogFileName	Status	Action	
279	29-01-2013 14:03:47	Bassonskloof Rainfall - Eastern Cape	Bassonskloof_rainfall_1976.2011_Te...		No Errors in Log		
277	28-01-2013 16:16:45	Cathedral Peak Rainfall - Catchment 2	C2RD8089.TXT		No Errors in Log		
276	25-01-2013 13:13:01	Cathedral Peak Rainfall - Catchment 2	C2RD6069.TXT		Errors in Datalog		
272	18-01-2013 11:41:46	Cathedral Peak Rainfall - Catchment 2	C2RD6069_mid.TXT		No Errors in Log		
242	21-11-2012 10:25:14	Langrivier Orpheus Mini - Water Level			No Errors in Log		

Page 1 of 2

Displaying 1 - 25 of 37

Data Log

Sensor	Date	Raw Value	Data Value	Phenomenon	Offering	Unit	Status	Action	
Peak2br	01-01-1960 01:00:00	0.000	0	Rainfall	Actual	Millimeter	Duplicate		
Peak2br	01-01-1960 02:00:00	0.000	0	Rainfall	Actual	Millimeter	Duplicate		
Peak2br	01-01-1960 03:00:00	0.000	0	Rainfall	Actual	Millimeter	Duplicate		
Peak2br	01-01-1960 04:00:00	0.000	0	Rainfall	Actual	Millimeter	Duplicate		
Peak2br	01-01-1960 05:00:00	0.000	0	Rainfall	Actual	Millimeter	Duplicate		
Peak2br	01-01-1960 06:00:00	0.000	0	Rainfall	Actual	Millimeter	Duplicate		
Peak2br	01-01-1960 07:00:00	0.000	0	Rainfall	Actual	Millimeter	Duplicate		
Peak2br	01-01-1960 08:00:00	0.000	0	Rainfall	Actual	Millimeter	Duplicate		
Peak2br	01-01-1960 09:00:00	0.000	0	Rainfall	Actual	Millimeter	Duplicate		
Peak2br	01-01-1960 10:00:00	0.000	0	Rainfall	Actual	Millimeter	Duplicate		
Peak2br	01-01-1960 11:00:00	0.000	0	Rainfall	Actual	Millimeter	Duplicate		

Page 1 of 195

Displaying 1 - 25 of 4852

Data Upload



SAEON
South African Environmental
Observation Network

Environmental Observatio ×

observations.brittondev.co.za/Default.aspx

Logout

Environmental Observations

Navigation

- System Administration
- Data Views
- Master Data Management
 - Organisations
 - Projects/Sites
 - Stations
 - Data Sources
 - Data Schemas
 - Sensors
 - Phenomenon
 - Unit of Measure
 - Offerings
- Import Batches

Import Batches

New Import

Number	Import Date	DataSourceName	FileName	LogFileName	Status	Action	
279	29-01-2013 14:03:47	Bassonskloof Rainfall - Eastern Cape	Bassonskloof_rainfall_1976.2011_Te...		No Errors in Log		
277	28-01-2013 16:16:45	Cathedral Peak Rainfall - Catchment 2	C2RD8089.TXT		No Errors in Log		
276	25-01-2013 13:13:01	Cathedral Peak Rainfall - Catchment 2	C2RD6069.TXT		Errors in Datalog		
272	18-01-2013 11:41:46	Cathedral Peak Rainfall - Catchment 2	C2RD6069_mid.TXT		No Errors in Log		
242	21-11-2012 10:25:14	Langrivier Orpheus Mini - Water Level			No Errors in Log		

Page 1 of 2 | | Displaying 1 - 25 of 37

Data Log

Sensor	Date	Raw Value	Data Value	Phenomenon	Offering	Unit	Status	Action
Peak2br	01-01-1960 01:00:00	0.000	0	Rainfall	Actual	Millimeter	Duplicate	
Peak2br	01-01-1960 02:00:00	0.000	0	Rainfall	Actual	Millimeter	Duplicate	
Peak2br	01-01-1960 03:00:00	0.000	0	Rainfall	Actual	Millimeter	Duplicate	
Peak2br	01-01-1960 04:00:00	0.000	0	Rainfall	Actual	Millimeter	Duplicate	
Peak2br	01-01-1960 05:00:00	0.000	0	Rainfall	Actual	Millimeter	Duplicate	
Peak2br	01-01-1960 06:00:00	0.000	0	Rainfall	Actual	Millimeter	Duplicate	
Peak2br	01-01-1960 07:00:00	0.000	0	Rainfall	Actual	Millimeter	Duplicate	
Peak2br	01-01-1960 08:00:00	0.000	0	Rainfall	Actual	Millimeter	Duplicate	
Peak2br	01-01-1960 09:00:00	0.000	0	Rainfall	Actual	Millimeter	Duplicate	
Peak2br	01-01-1960 10:00:00	0.000	0	Rainfall	Actual	Millimeter	Duplicate	
Peak2br	01-01-1960 11:00:00	0.000	0	Rainfall	Actual	Millimeter	Duplicate	

Page 1 of 195 | | Displaying 1 - 25 of 4852

Data Upload

Environmental Observatio ×

observations.brittondev.co.za/Default.aspx

Logout

Environmental Observations

Import Batches

New Import

To Excel To CSV

Number	Import Date	DataSourceName	FileName	LogFileName	Status	Action
371	30-05-2013 14:51:50	Jonkershoek - Biesiesvlei catchment - Rainfall -...	19B_BiesievleiB30January2013 v3.4 ...		No Errors in Log	
312	23-04-2013 11:05:00	Bosboubkloof Acsys Rainfall	BKRD0008.TXT	BKRD0008.LOG	No Errors in Log	
311	12-04-2013 16:54:34	Bosboubkloof Orpheus Mini - Water Level	BOSBOUKLOO WLEV 20130326.MIS		No Errors in Log	
310	12-04-2013 16:23:35	Cathedral Peak - Catchment 2 - Streamflow	C02D7079.TXT	C02D7079.LOG	No Errors in Log	
308	06-02-2013 15:37:00	Cathedral Peak - Catchment 2 - Streamflow	C02D9099.TXT	C02D9099.LOG	No Errors in Log	
307	06-02-2013 10:43:42	Bosboubkloof Acsys Rainfall	BKRD8089.TXT	BKRD8089.LOG	No Errors in Log	

Page 1 of 2

Displaying 1 - 25 of 37

Data Log

Sensor	Date	Raw Value	Data Value	Phenomenon	Offering	Unit	Status	Action
Peak2br	01-01-1960 01:00:00	0.000	0	Rainfall	Actual	Millimeter	Duplicate	
Peak2br	01-01-1960 03:00:00	0.000	0	Rainfall	Actual	Millimeter	Duplicate	
Peak2br	01-01-1960 04:00:00	0.000	0	Rainfall	Actual	Millimeter	Duplicate	
Peak2br	01-01-1960 05:00:00	0.000	0	Rainfall	Actual	Millimeter	Duplicate	
Peak2br	01-01-1960 06:00:00	0.000	0	Rainfall	Actual	Millimeter	Duplicate	
Peak2br	01-01-1960 07:00:00	0.000	0	Rainfall	Actual	Millimeter	Duplicate	
Peak2br	01-01-1960 08:00:00	0.000	0	Rainfall	Actual	Millimeter	Duplicate	
Peak2br	01-01-1960 09:00:00	0.000	0	Rainfall	Actual	Millimeter	Duplicate	
Peak2br	01-01-1960 10:00:00	0.000	0	Rainfall	Actual	Millimeter	Duplicate	
Peak2br	01-01-1960 11:00:00	0.000	0	Rainfall	Actual	Millimeter	Duplicate	
Peak2br	01-01-1960 12:00:00	0.000	0	Rainfall	Actual	Millimeter	Duplicate	

Page 1 of 195

Displaying 1 - 25 of 4851

Data Upload



SAEON
South African Environmental
Observation Network

Environmental Observatio x

observations.brittondev.co.za/Default.aspx

Logout

Environmental Observations

Navigation

- System Administration
- Data Views
- Observations
- Data Query Display**

Import Batches Data Query Display

Data

Expand All Collapse All Refresh

Organisation

- ARC
- Ezemvelo KZN Wildlife
- Farmer's rainfall data
- Living Lands
- Phalaborwa Mining Company
- SAEON**

Project Site

- Cathedral Peak
- Haenertsburg
- Hospital bend
- Jakkalsrivier
- Jonkershoek**
- Station
- Biesiesvlei catchment
- Bosboukloof
- Langrivier
- Swartboschkloof weather station
- Tierkloof
- Lajuma
- Letaba Exclosure, Kruger National Park
- Majeje High School
- Mariepskop
- Olfants West Private Nature Reserve
- SAEON Ndlovu Node office
- South African Wildlife College
- Welverdiend
- South African National Parks

Results

From Date: 6/7/1913 To Date: 6/7/2013 Filter

Station	SensorProcedure	Phenomenon	Offering	DataValue	Symbol	Date	Comments
Biesiesvlei catchment	Jonkershoek - Biesiesvlei catchment 78...	Temperature	Actual	23.004	°C	2013/01/30 10:00	
Biesiesvlei catchment	Jonkershoek - Biesiesvlei catchment 78...	Rainfall	Actual	2.99	mm	2013/01/30 10:00	
Biesiesvlei catchment	Jonkershoek - Biesiesvlei catchment 78...	Temperature	Actual	18.996	°C	2013/01/30 09:00	
Biesiesvlei catchment	Jonkershoek - Biesiesvlei catchment 78...	Rainfall	Actual	2.99	mm	2013/01/30 09:00	
Biesiesvlei catchment	Jonkershoek - Biesiesvlei catchment 78...	Temperature	Actual	20.901	°C	2013/01/30 08:00	
Biesiesvlei catchment	Jonkershoek - Biesiesvlei catchment 78...	Rainfall	Actual	2.99	mm	2013/01/30 08:00	
Biesiesvlei catchment	Jonkershoek - Biesiesvlei catchment 78...	Temperature	Actual	14.134	°C	2013/01/30 07:00	
Biesiesvlei catchment	Jonkershoek - Biesiesvlei catchment 78...	Rainfall	Actual	2.99	mm	2013/01/30 07:00	
Biesiesvlei catchment	Jonkershoek - Biesiesvlei catchment 78...	Temperature	Actual	13.076	°C	2013/01/30 06:00	
Biesiesvlei catchment	Jonkershoek - Biesiesvlei catchment 78...	Rainfall	Actual	2.99	mm	2013/01/30 06:00	
Biesiesvlei catchment	Jonkershoek - Biesiesvlei catchment 78...	Temperature	Actual	13.942	°C	2013/01/30 05:00	
Biesiesvlei catchment	Jonkershoek - Biesiesvlei catchment 78...	Rainfall	Actual	2.99	mm	2013/01/30 05:00	
Biesiesvlei catchment	Jonkershoek - Biesiesvlei catchment 78...	Temperature	Actual	14.613	°C	2013/01/30 04:00	
Biesiesvlei catchment	Jonkershoek - Biesiesvlei catchment 78...	Rainfall	Actual	3.01	mm	2013/01/30 04:00	
Biesiesvlei catchment	Jonkershoek - Biesiesvlei catchment 78...	Temperature	Actual	15.951	°C	2013/01/30 03:00	
Biesiesvlei catchment	Jonkershoek - Biesiesvlei catchment 78...	Rainfall	Actual	2.99	mm	2013/01/30 03:00	
Biesiesvlei catchment	Jonkershoek - Biesiesvlei catchment 78...	Temperature	Actual	16.903	°C	2013/01/30 02:00	
Biesiesvlei catchment	Jonkershoek - Biesiesvlei catchment 78...	Rainfall	Actual	2.99	mm	2013/01/30 02:00	
Biesiesvlei catchment	Jonkershoek - Biesiesvlei catchment 78...	Temperature	Actual	17.094	°C	2013/01/30 01:00	
Biesiesvlei catchment	Jonkershoek - Biesiesvlei catchment 78...	Rainfall	Actual	2.99	mm	2013/01/30 01:00	

Master Data Management

Page 1 of 484 | < > | 🔍

Displaying 1 - 20 of 9670