

# ***CARIWIG Portal***

# **Using the Portal**

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# Using the Portal

- Provides access to
  - Historical data
  - Future Climate
  - Simulated data tools
- Map based interfaces for data location, visualisation and selection
- Graphing and imaging tools
- Data downloads
  - Raw data, images, GIS files
  - Current views from portal (as PDF)
  - Graphs and Charts (as images)

# Using the Portal

CARIWIG Portal Site

Logged in as philj **LOG OUT**

## The CARIWIG Portal

Welcome to the CARIWIG web portal which was developed by the project [CARibbean Weather Impacts Group \(CARIWIG\)](#)

For the Caribbean region, this web portal provides information and datasets concerning:

- The observed climate of the present day
- Regional Climate Model projections of the future climate
- Future scenarios of weather downscaled from the Regional Climate Model projections
- Scenarios of weather derived from hypothetical tropical cyclone events

The web-service is structured following four themes:

- i. locating and obtaining observed meteorological data relevant to a particular country or region
- ii. locating and obtaining climate projection data relevant to a particular country or region
- iii. obtaining future climate downscaled weather scenarios for a particular location and climate model.
- iv. generation of hypothetical tropical cyclone scenarios.

This web portal is intended for use by regional and national institutions, consultants and scientists concerned with the climate and the impacts of future climate change in the Caribbean region.

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# Using the Portal

The screenshot shows a web browser window with the URL [www.cariwig.org/ncl\\_portal/#history\\_data\\_viewer](http://www.cariwig.org/ncl_portal/#history_data_viewer). The page features a blue header with the CARIWIG logo, navigation links, and a user login status. A left sidebar contains a menu with options: ABOUT, HISTORICAL DATA (highlighted in green), FUTURE DATA, SIMULATIONS, and USER AREA. The main content area displays three data categories: Observed Station Data, Gridded Reanalysis Data, and Regional/National Annual Summaries. Each category includes an 'ABOUT DATASET' button and a 'GO TO DATA VIEWER' button, followed by a brief description of the data.

CARIWIG Portal Site > Historical Data

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**HISTORICAL DATA**

**Observed Station Data**

**ABOUT DATASET**

**GO TO DATA VIEWER**

Historical monthly climate data from meteorological stations around the Caribbean from 1971-2010. Visualise, graph and download from the data viewer page

**Gridded Reanalysis Data**

**ABOUT DATASET**

**GO TO DATA VIEWER**

Estimates of daily historic weather properties based on atmospheric reanalysis data for the period 1981-2010. Visualise, graph and download from the data viewer page.

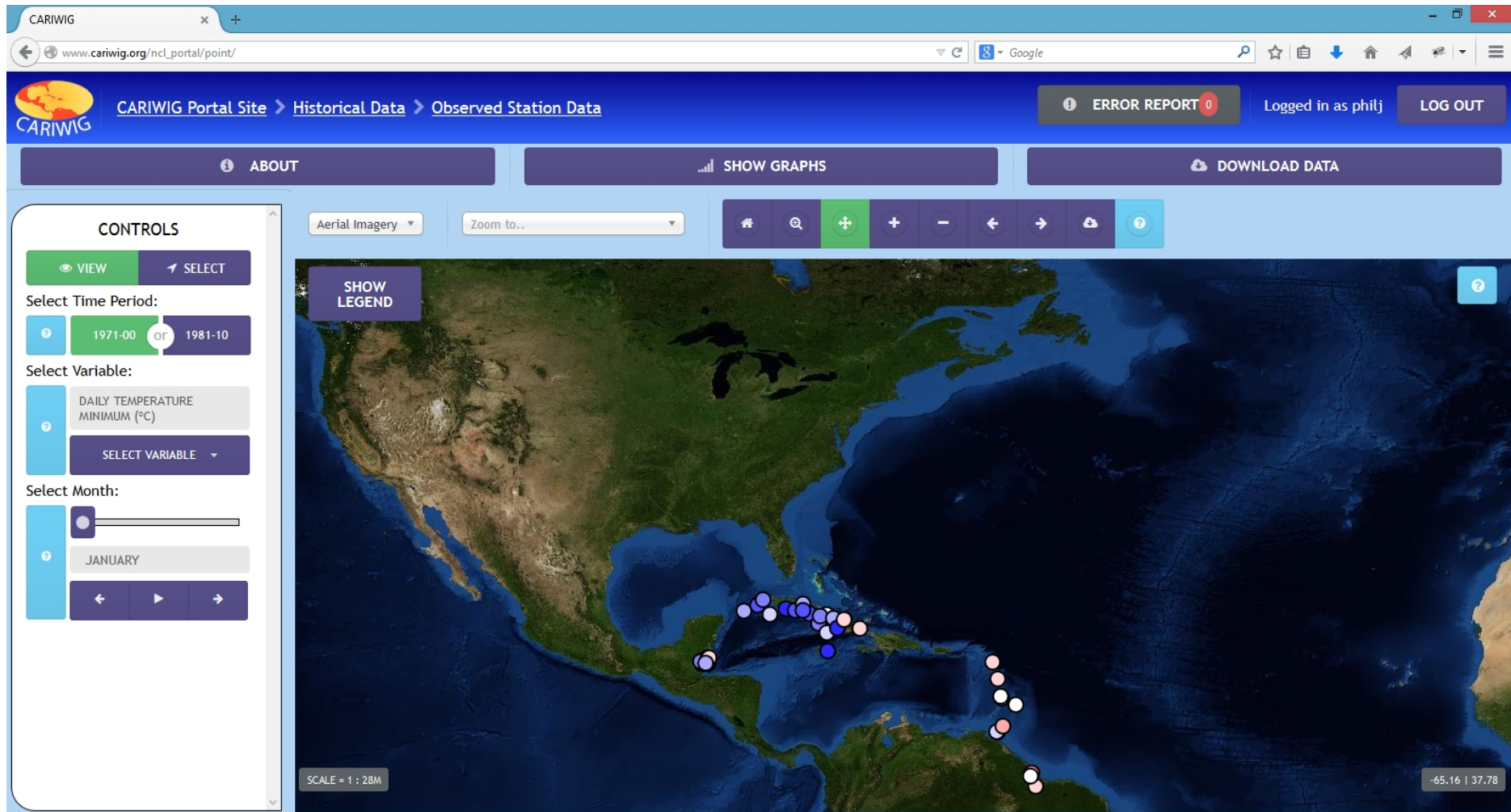
**Regional/National Annual Summaries**

**ABOUT DATASET**

**GO TO DATA VIEWER**

Historical yearly climate data regionalised by islands and regions from 1901-2011. Visualise, graph and download from the data viewer page

# Using the Portal





# Using the Portal

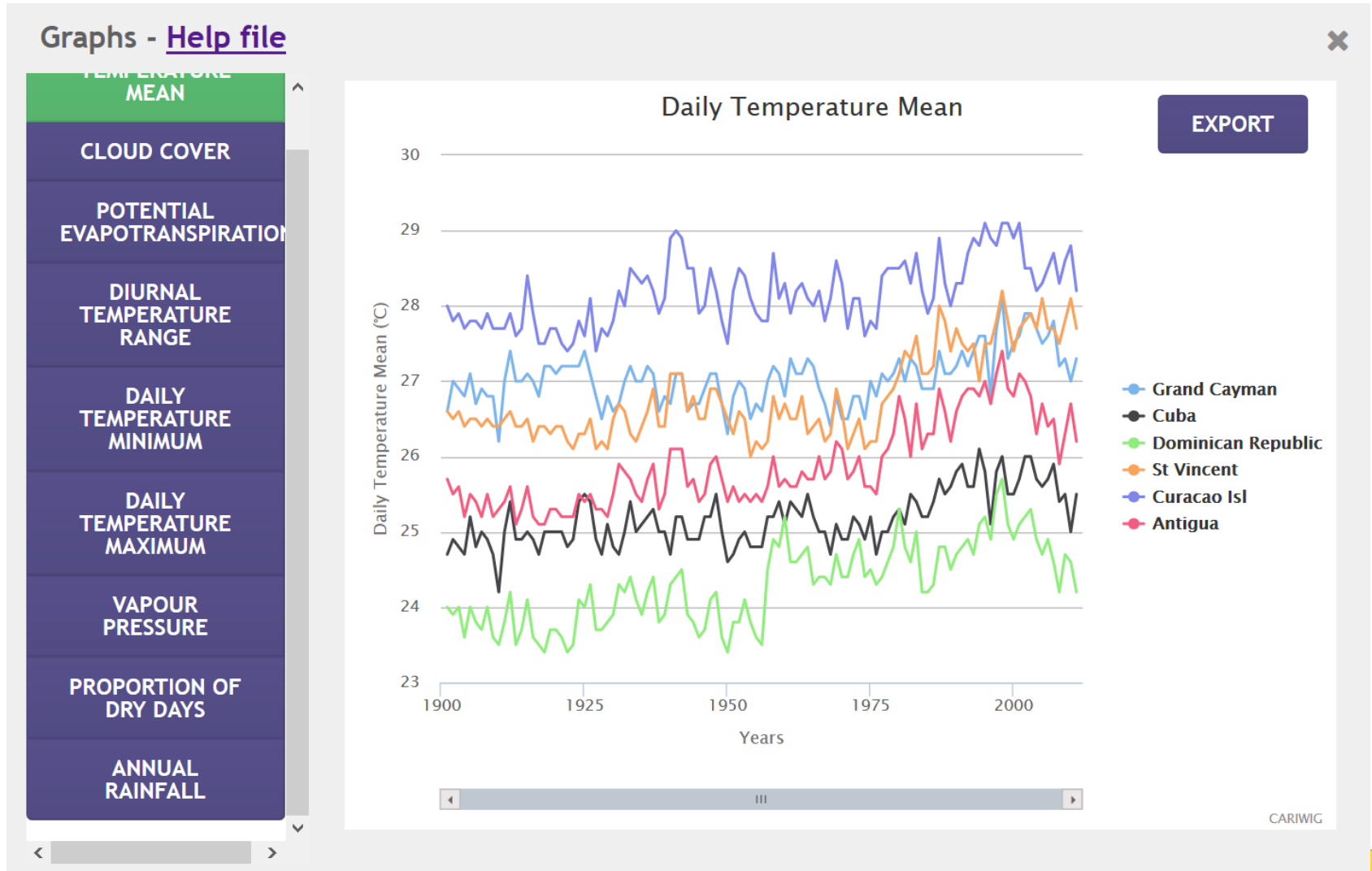
The screenshot displays the CARIWIG Portal Site interface. The browser address bar shows [www.cariwig.org/ncl\\_portal/point/](http://www.cariwig.org/ncl_portal/point/). The page header includes the CARIWIG logo, navigation links for [CARIWIG Portal Site](#), [Historical Data](#), and [Observed Station Data](#), an [ERROR REPORT](#) button with a count of 0, and a user login status 'Logged in as philj' with a [LOG OUT](#) button. Below the header are three main navigation buttons: [ABOUT](#), [SHOW GRAPHS](#), and [DOWNLOAD DATA](#).

The main content area features a map of the Caribbean region. On the left, a 'CONTROLS' panel includes a 'VIEW' button, a 'SELECT' button, and a list of 'Selected Stations':

- 1 PUNTA DE MAISI
- 2 SANCTI SPIRITUS
- 3 PUNTA DEL ESTE

Each station name is followed by a close button (X). The map itself has a 'SHOW LEGEND' button in the top left corner. The map displays various station locations marked with red and yellow dots. A scale bar at the bottom left indicates 'SCALE = 1 : 7M'. The bottom right corner shows coordinates: '-84.25 | 11.46'. The map interface includes a 'Zoom to...' dropdown menu and a set of navigation controls (home, search, zoom in, zoom out, pan, and help).

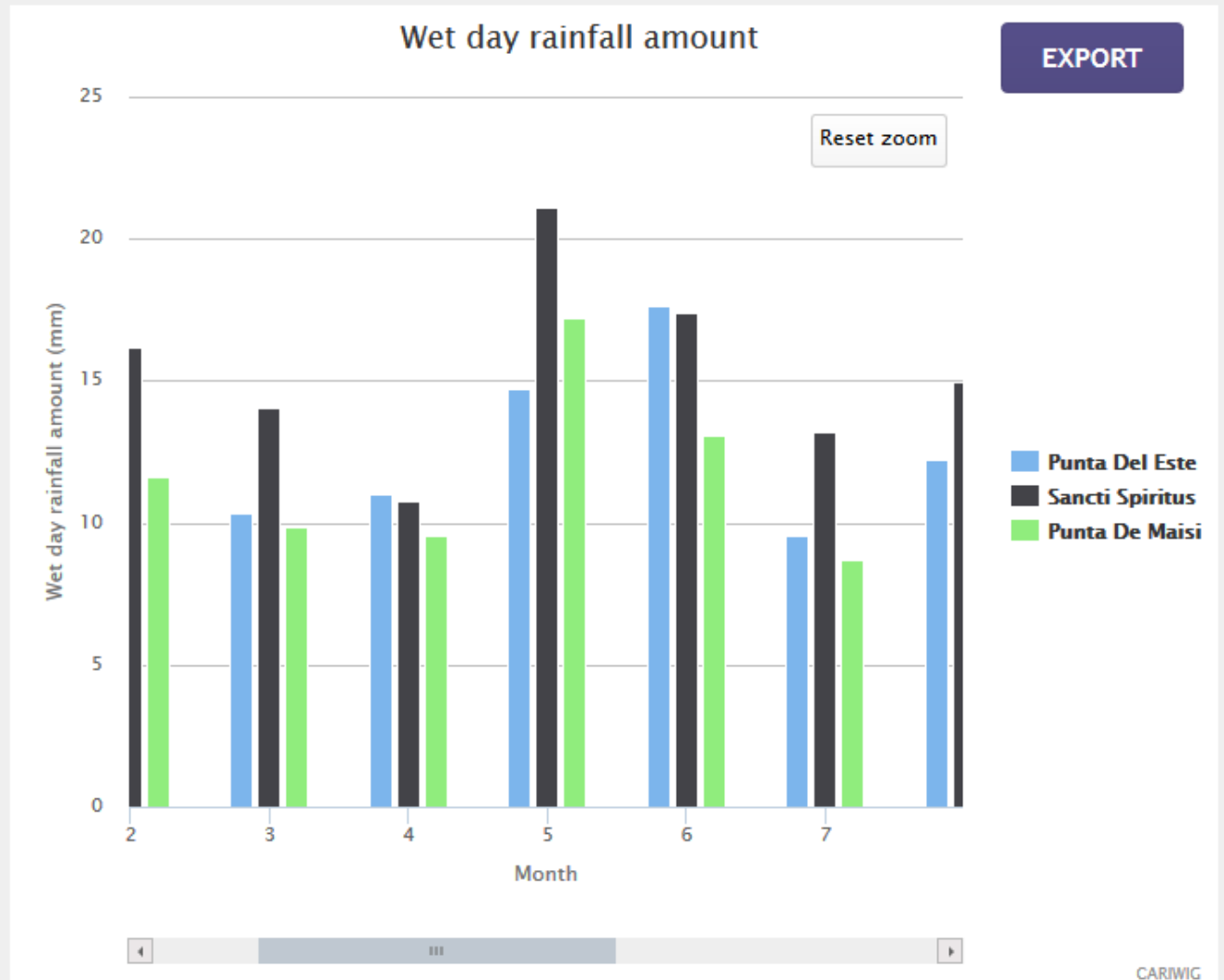
# Using the Portal



# Using the Portal

## Graphs

- DAILY TEMPERATURE MINIMUM
- DAILY TEMPERATURE MAXIMUM
- WIND SPEED
- WET DAY RAINFALL AMOUNT
- PROPORTION OF DRY DAYS
- DAILY RAINFALL
- SUNSHINE DURATION
- VAPOUR PRESSURE



CARIWIG

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# Observed Station Data

Download

micky@mouse.com

[Why we ask for this information](#)

☒ I HAVE READ, UNDERSTAND AND AGREE TO THE TERMS AND CONDITIONS

Terms and Conditions can be found [here](#).

Stations :

ALL

or

SELECTED

Variables:

☒ TOGGLE ALL

☒ DAILY TEMPERATURE MINIMUM

☒ DAILY TEMPERATURE MAXIMUM

☒ WIND SPEED

☒ WET DAY RAINFALL AMOUNT

☒ PROPORTION OF DRY DAYS

☒ DAILY RAINFALL

☒ SUNSHINE DURATION

☒ VAPOUR PRESSURE

File Format:

CSV (EXCEL) FILE

DOWNLOAD

# Region / National Annual



[CARIWIG Portal Site](#) > [Historical Data](#) > [Region/National Annual Summaries](#)

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[LOG OUT](#)

[ABOUT](#)

[SHOW GRAPHS](#)

[DOWNLOAD DATA](#)

## CONTROLS

[VIEW](#)

[SELECT](#)

Selected Regions:

- 1 GRAND CAYMAN [×](#)
- 2 ST VINCENT [×](#)
- 3 CURACAO ISL [×](#)
- 4 ANTIGUA [×](#)
- 5 DOMINICAN REPUBLIC [×](#)
- 6 CUBA [×](#)

Aerial Imagery [▼](#)

Zoom to.. [▼](#)

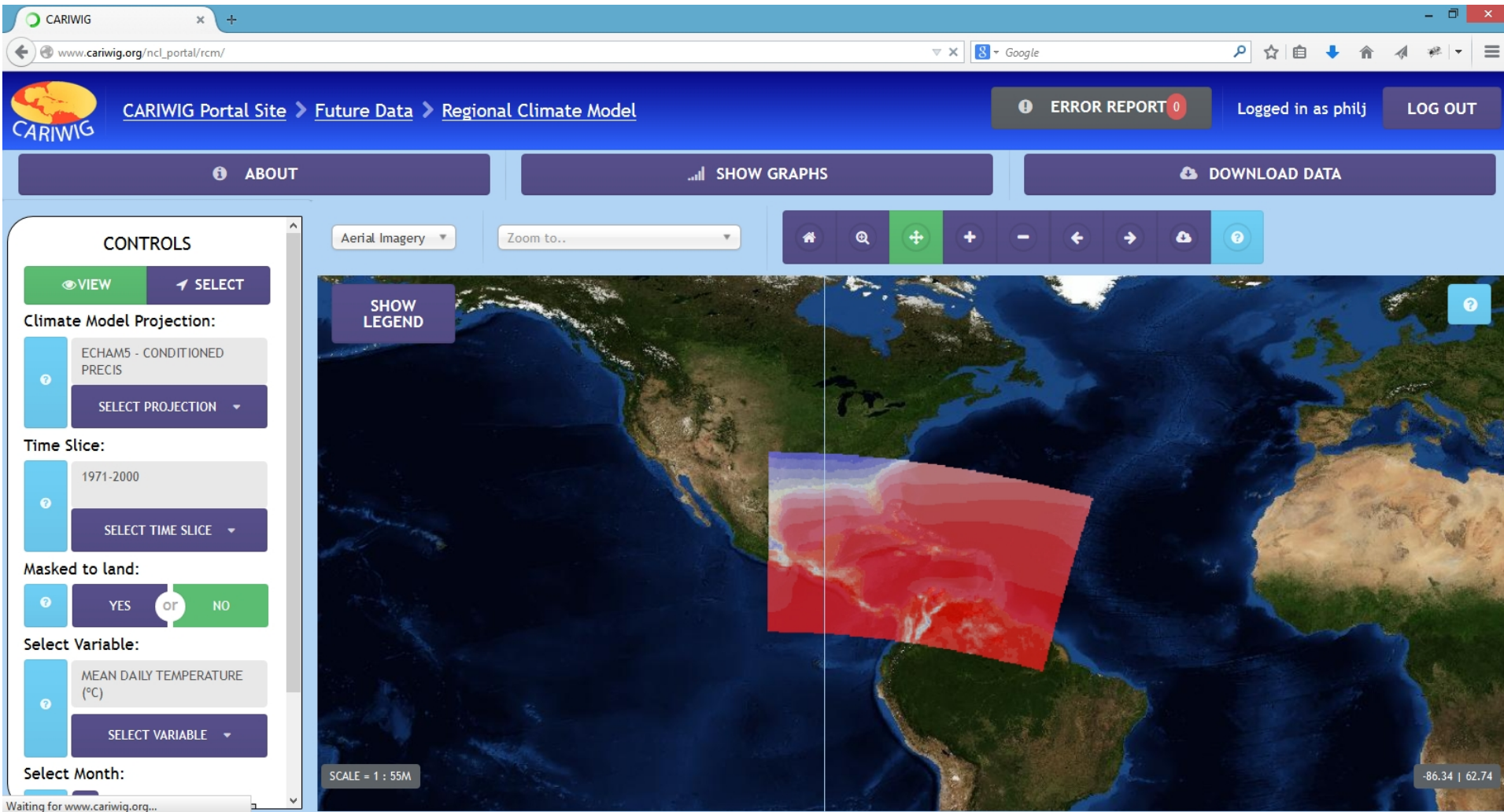


[SHOW  
LEGEND](#)



SCALE = 1 : 14M

# RCM





# Using the Weather



# Using the Weather

## Setup Weather generator

Select Control Time Period: *More data for 1981-10*

1971-00

or

1981-10

Select Future Time Period:

2011-2040

or

2041-2070

or

2071-3000

Select Climate Model:

ECHAM5

or

HADCM3Q0

Run Model:

RUN MODEL

# Using the Storm Model

