

User Manual - MeteoPalacio Application (EN)

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Main Menu:

It looks like this:





	Meteo Palacio	
	User manual	
First update	01/09/1978	
Last update	13/08/2024	


What is Meteo Palacio
Description about Meteo Palacio
[info about Meteo Palacio](#)


Map
Location of Meteo Palacio station
[Go to map](#)


Data by variable
Plots and data by variable
[Go to data by variable](#)


Data All Variables
Plots and data for All Variables
[Go to data all variables](#)


Data of temperature
Plots and data of temperature
[Go to data of temperature](#)


Data by hydroyear
Plots and data by hydroyear
[Go to data by hydroyear](#)


Monthly Data
Plots and Monthly data (data aggregate by months)
[Go to monthly data](#)


Scanned documents
Check original scanned documents
[Go to scanned documents](#)


Contact information
Information to contact
[Go to contact](#)

The main menu is divided into different sections:

- Representative icon, data update dates, and access to the user manual.
- Description of what a Palacio Meteorological Station is.
- Map. Location of the Palacio Meteorological Station.
- Access and query of data by Variables.

- Access and query of All Variables data.
- Access and query of Temperature data.
- Access and query of data by Hydro-Meteorological Year.
- Access and query of Monthly data (1 aggregated data per month).
- Access and query of scanned documents.
- Contact Information.

Note: The main menu will be accessible from any functionality of the application with the respective functions (Back and Main Menu).



Description of what a Palacio Meteorological Station is:

If we click on "What is Meteo Palacio?", we will access a description of the variables that are measured.

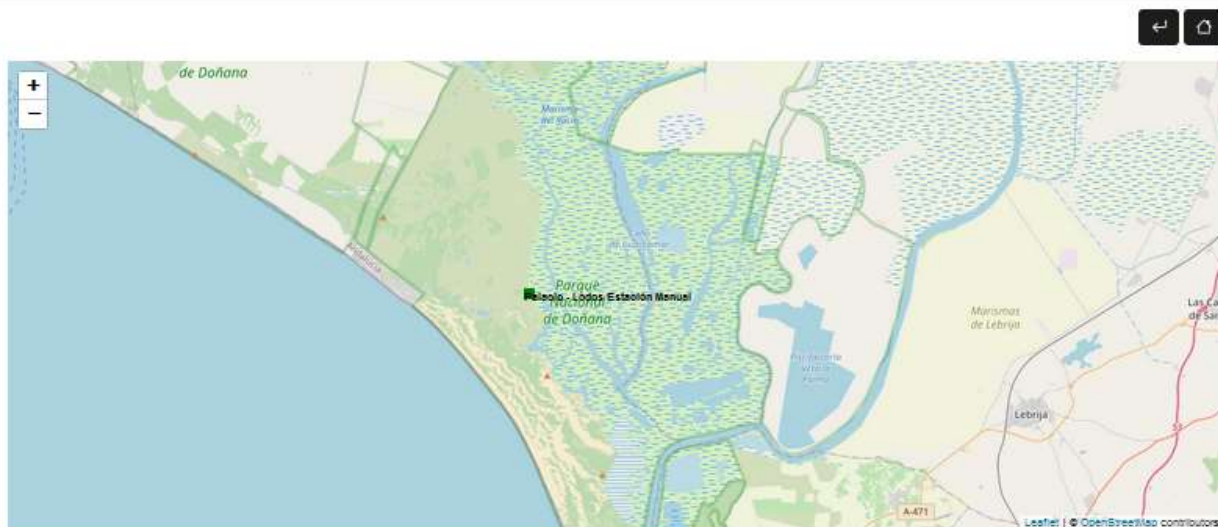
Description about meteopalacio

Meteorological data are taken daily at the Doñana National Park Palace.

Item	Description	Units
TS	TS Dry bulb thermometer temperature in °C	°C
TH	TH Humid bulb thermometer temperature in °C	°C
Tmax	Tmax Maximum temperature in °C	°C
Tmin	Tmin Minimum temperature in °C	°C
Tmed	Tmed Average temperature in °C $(T_{max}+T_{min})/2$	°C
DH	DH Frost days $T < 0$	$T < 0$
DL	DL Presence 1 or Non-presence 0 of rain	
Prec	Prec Daily precipitation in mm	mm
PACum	Prec Daily precipitation in mm	mm
Osc	Osc Daily thermal oscillation $(T_{max}-T_{min})$	°C

Map. Location of the Palacio Meteorological Station:

If we click on "Map," we will access an interactive map showing the location of the Palacio Meteorological Station.



Access and query of data by Variables:

If we click on "By Variable":

We will be able to consult and visualize a graph as well as download the data after selecting a variable:

Calculation Procedures or Variable and Start/End Dates.

After entering the filter parameters, we need to click "Generate graph," and the data will be displayed in the form of a graph.

After this, we can also download the selected data with the applied filter by clicking "Download data."

A graph of the selected variable will be displayed.



By Variable. You can see the meteorological data, you must select a variable (from the list) and a start date and an end date

First data: 01/09/1978 - Last data: 13/08/2024

Calc procedures:

- (TS) Dry bulb thermometer temperature in °C
- (TH) Humid bulb thermometer temperature in °C
- (Tmax) Maximum temperature in °C
- (Tmin) Minimum temperature in °C
- (Tmed) Average temperature in °C $(T_{max}+T_{min})/2$
- (DH) Frost days $T < 0$
- (DL) Presence 1 or Non-presence 0 of rain
- (Prec) Daily precipitation in mm
- (PAcum) Accumulated precipitation in the hydrometeorological year (mm).
- (Osc) Daily thermal oscillation $(T_{max}-T_{min})$

Start Date:

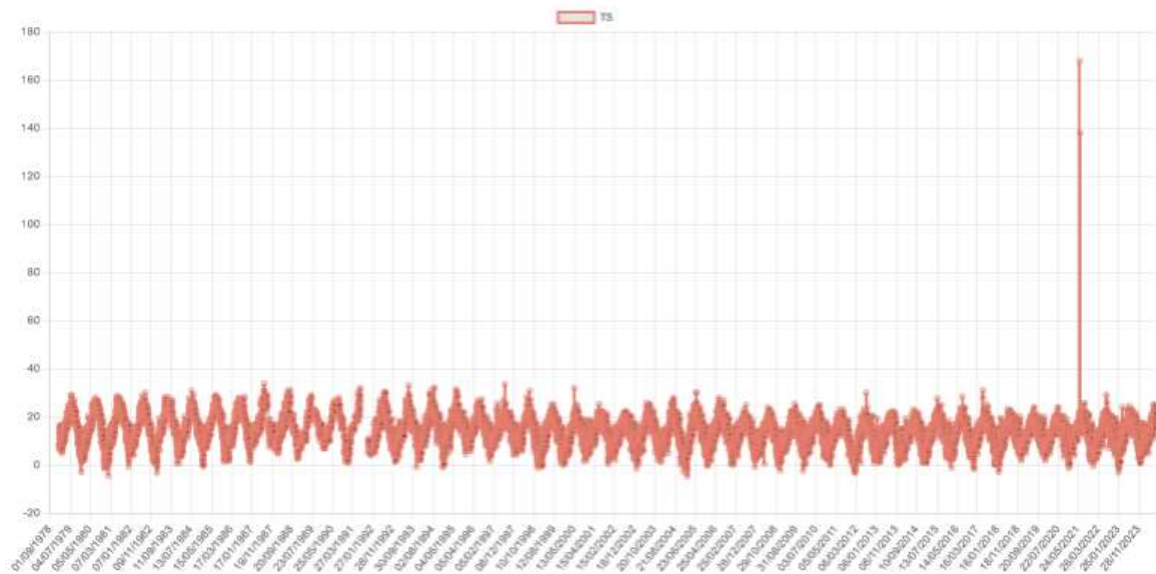
01 / 09 / 1978

End Date:

13 / 08 / 2024

Download data

Graphic : TS



¿Cómo citar? Control de cambios

Access and query of All Variables data:

If we click on "All Variables":

We will be able to consult and visualize a graph as well as download the data after selecting:

Start/End Dates.

After entering the filter parameters, we need to click "Generate graph," and the data will be displayed in the form of a graph. After this, we can also download the selected data with the applied filter by clicking "Download data."



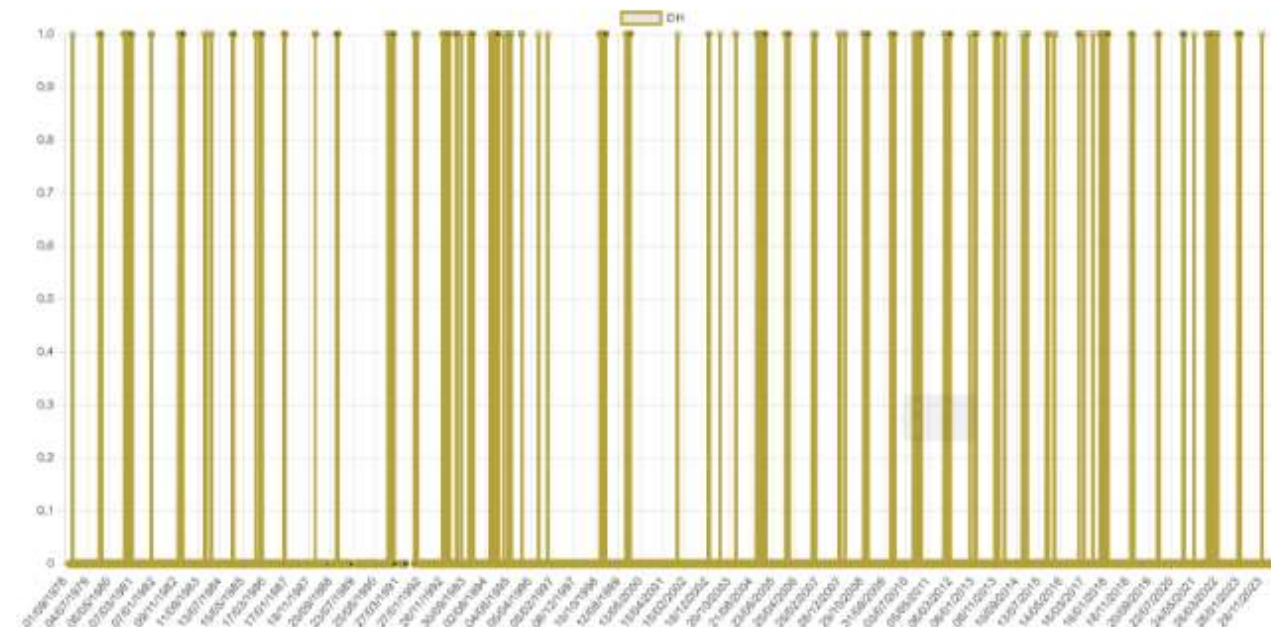
All Variables. You can see the all variables meteorological data. You have to select a start date and an end date

First data: 01/09/1978 - Last data: 13/08/2024

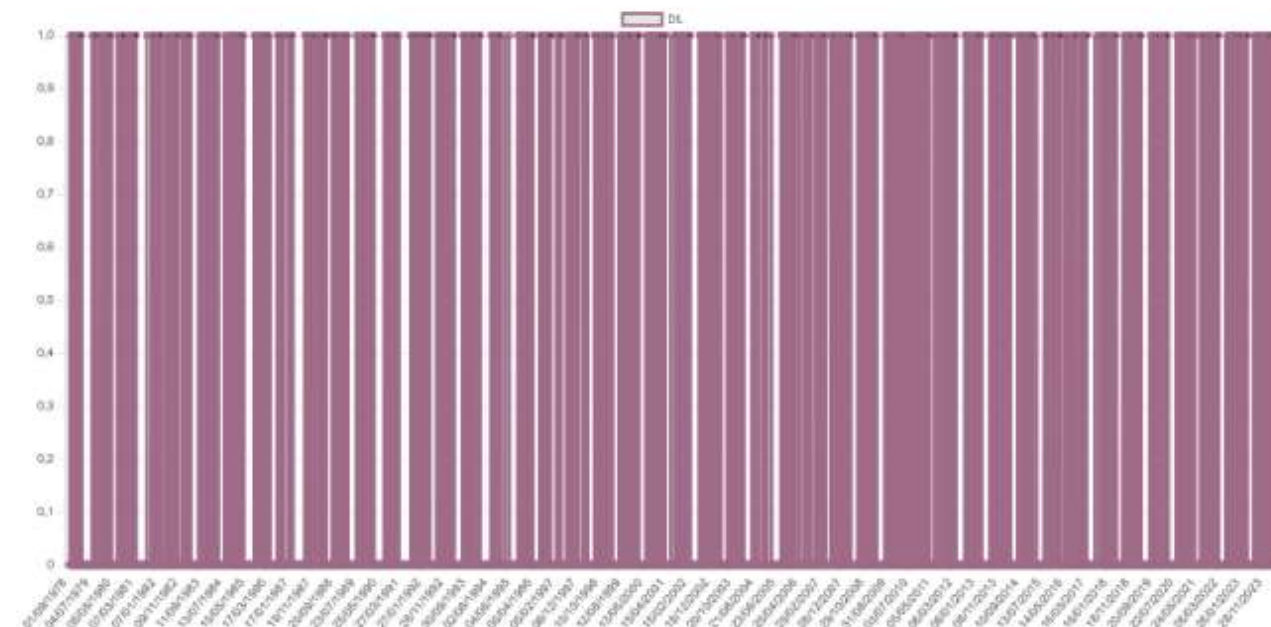
Start Date:

End Date:

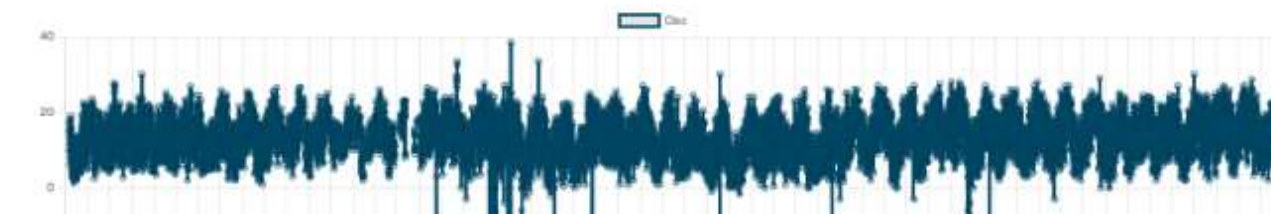
Graphic : DH



Graphic : DL



Graphic : Osc



A graph for each of the variables will be displayed.

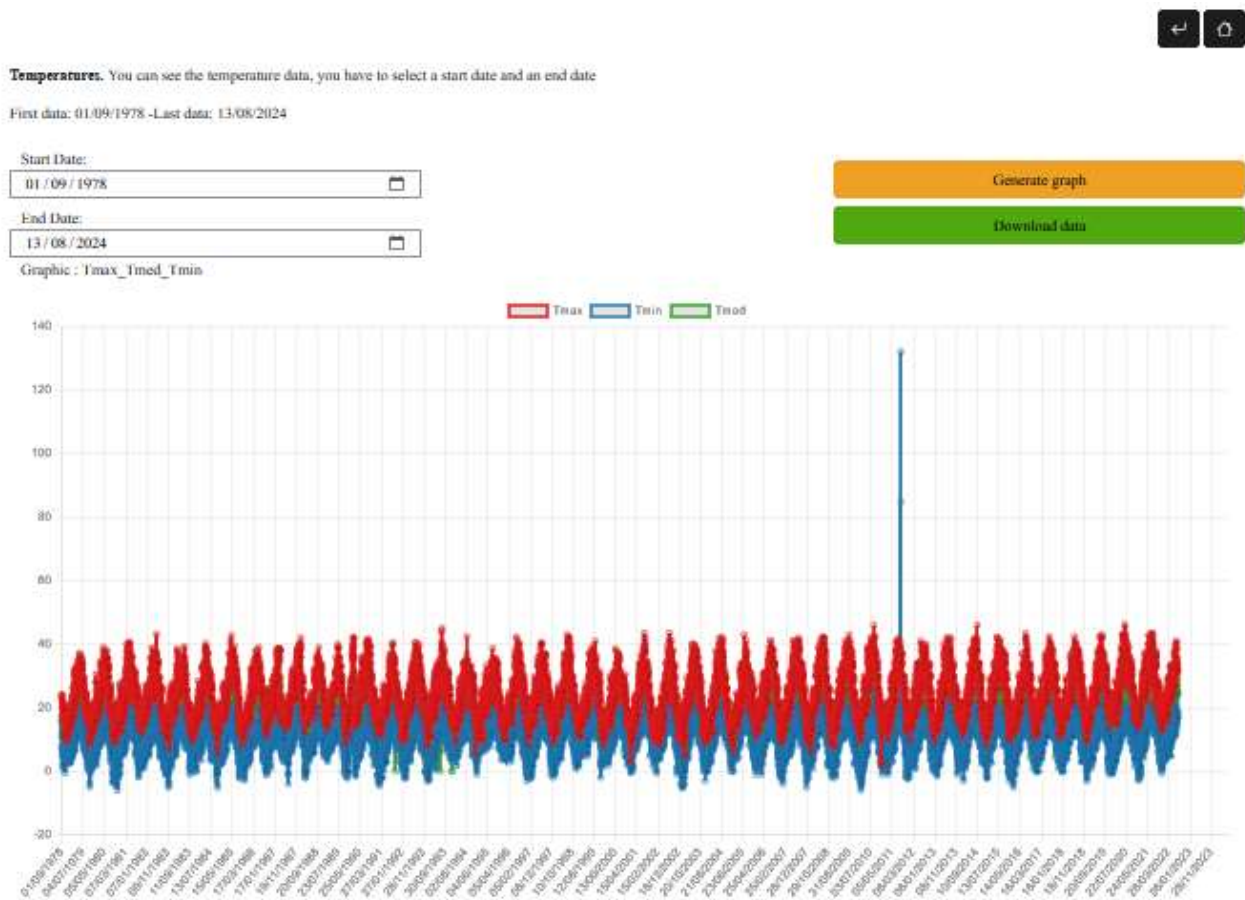
Access and query of Temperature data:

If we click on "Temperatures":

We will be able to consult and visualize a graph as well as download the data after selecting:

Start/End Dates.

After entering the filter parameters, we need to click "Generate graph," and the data will be displayed in the form of a graph. After this, we can also download the selected data with the applied filter by clicking "Download data."

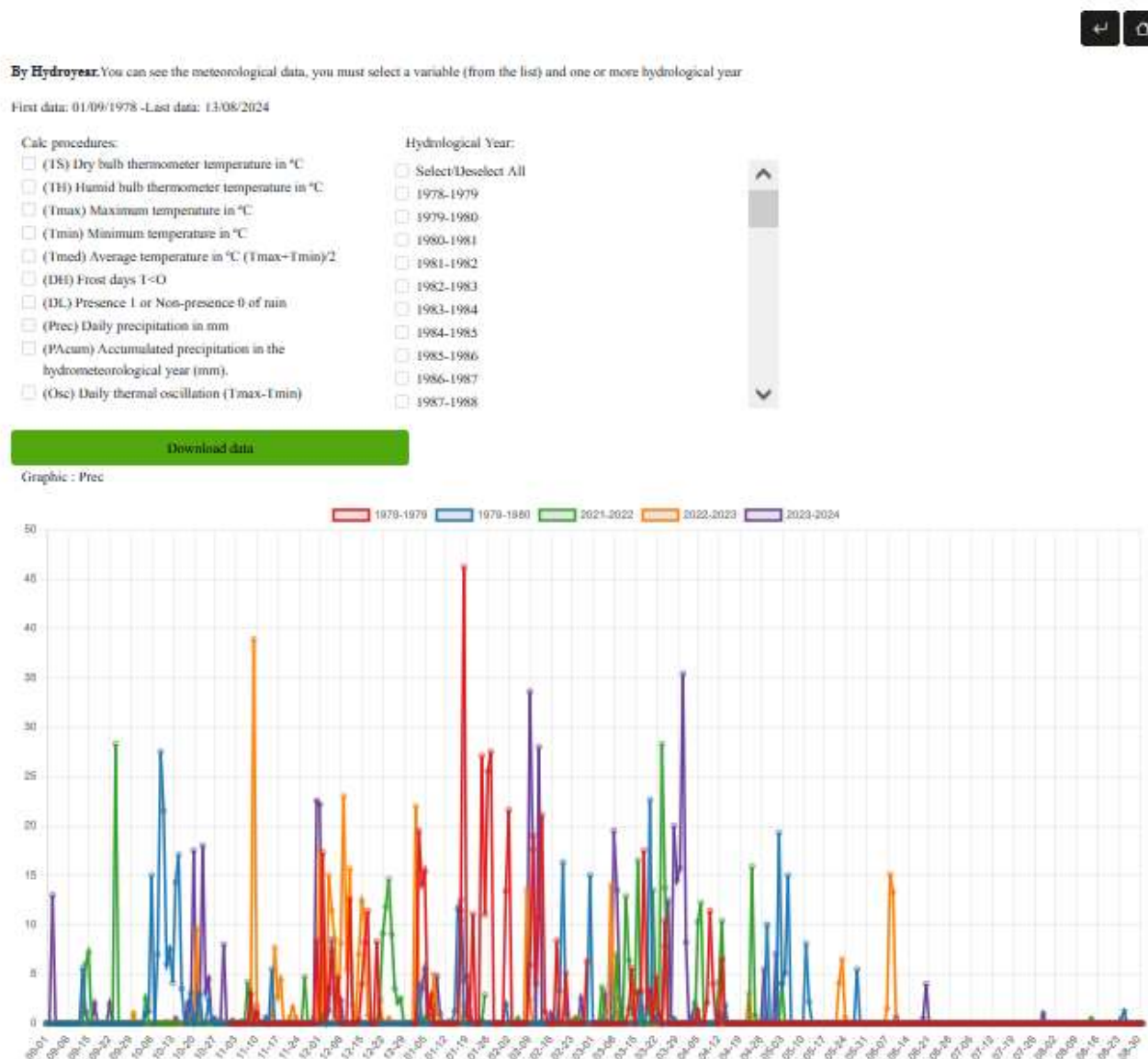


A graph with lines for maximum, minimum, and average temperatures will be displayed.

Access and query of data by Hydro-Meteorological Year:

If we click on "By Hydroyear": We will be able to consult and visualize a graph as well as download the data after selecting:

- Calculation Procedure or Variable and Hydro-Meteorological Year. After entering the filter parameters, we need to click "Generate graph," and the data will be displayed in the form of a graph. After this, we can also download the selected data with the applied filter by clicking "Download data."

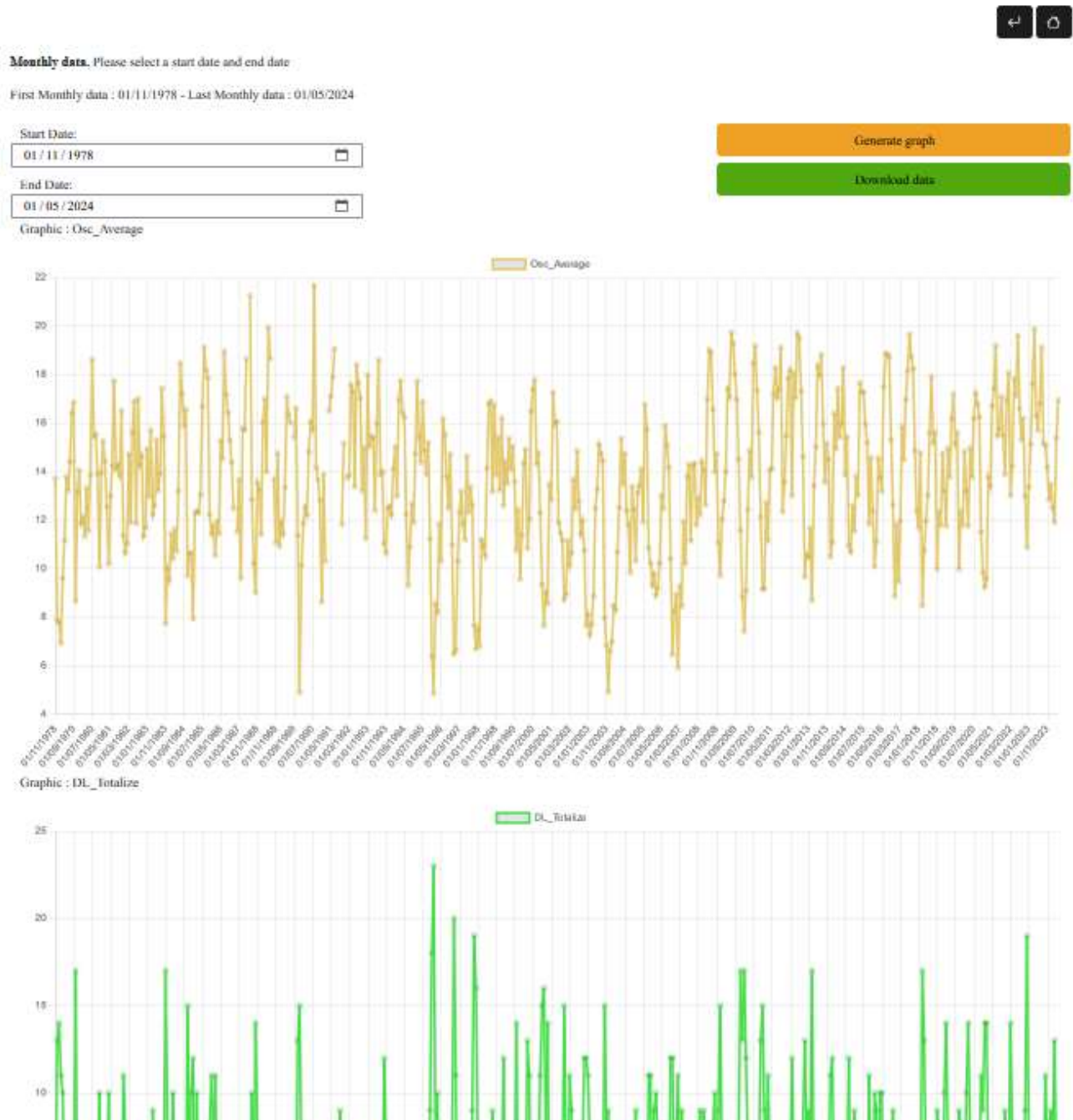


A graph for the variable selected in the left filter and the line for the selected hydro-meteorological year will be displayed.

Access and query of Monthly data (1 aggregated data per month):

If we click on "Monthly data": We will be able to consult and visualize a graph as well as download the data after selecting:

- Start/End Dates. After entering the filter parameters, we need to click "Generate graph," and the data will be displayed in the form of a graph. After this, we can also download the selected data with the applied filter by clicking "Download data."



A graph by variable with the monthly data will be displayed.

Access and query of scanned documents:

We can view the scanned handwritten documents.



- [tablilla_escaneada_202310.pdf](#) - [download file](#)
- [tablilla_escaneada_202311.pdf](#) - [download file](#)
- [tablilla_escaneada_202312.pdf](#) - [download file](#)
- [tablilla_escaneada_202401.pdf](#) - [download file](#)
- [tablilla_escaneada_202403.pdf](#) - [download file](#)
- [tablilla_escaneada_202404.pdf](#) - [download file](#)
- [tablilla_escaneada_202405.pdf](#) - [download file](#)

AÑO	2023		MES OCTUBRE		ESTACION: PALACIO DE DOÑANA		
DIA	Term Seco	Term. Húmedo	Tº Máx.	Tº Min.	Precipitación	Hora	Observador
1	15'2	15'4	36'8	13'2	—	8:00	Rafael
2	16'8	15'4	37'6	13	—	8:30	ALVARO
3	15'4	14'2	35'8	14'5	—	8:30	J. Robles
4	15	15'2	35'4	14'3	—	8:30	ALVARO
5	16'8	16'4	34'2	13'1	—	8:50	Jose Covato
6	16'4	16'6	36'1	16'3	—	8:50	Jose Covato
7	15'4	15'7	36'1	16'1	—	8:00	F. ESCOBAR
8	14'3	14'3	36'4	14'5	—	8:00	F. ESCOBAR
9	13'2	11'6	34	11'5	—	8:00	J. Robles
10	13'6	11	33'4	13	—	8:00	J. Robles
11	14'8	14'4	33'1	12'7	—	8:43	I. BOIXO MARTA
12	14'2	14'6	32'9	13'4	—	8:10	ALVARO
13	15'2	14'2	29'5	13'2	—	9:00	J. BOIXO
14	19'8	19'7	28'2	15'4	0'5	7:55	RODRIGO
15	15'9	15'4	27'7	14'4	—	7:50	RODRIGO
16	18'8	19		15'9	—	8:30	ALVARO
17			27'9				
18	20'5	19'8	26'1	19'7	0'1	8:40	ALVARO

Contact Information:

Contact information is displayed in case of questions/queries or suggestions, which can be sent via email to this address.

Note: It is better to send an email with a copy to both addresses and the subject "App_MeteoPalacio".



Contact information

In case of any questions, please send an email to the following addresses:

- edm_soporte@ebd.csic.es
- manueleduardo.escobar@ebd.csic.es