User Manual SensAlpin Datenviewer

The Sensalpin data viewer is an infrastructure that publishes interactive plots in an Internet browser (web or locally on a PC). Access is specific to approved users.

1. Login

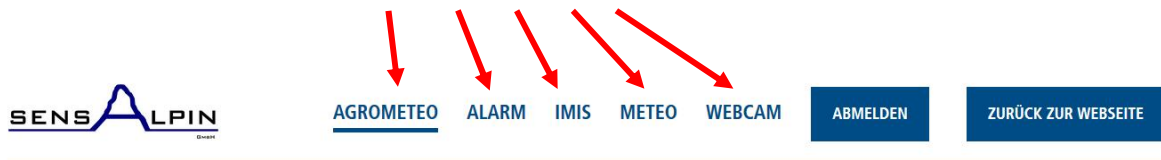The data of the respective user appear in the main menu after a successful login.

Depending on the combination of the visible stations, one or more networks appear in the main menu. Each network contains the stations for which the user has display authorization.

2. User Controls

Stationinfo, Dataselection und Export Function

The station selection is at the top of the page. The station can then be selected or searched for in the selection field. In the network Alarm and the IMIS network, the stations are grouped by system.

The accordion "Stationsinfo" (station info) can be opened to display this information:
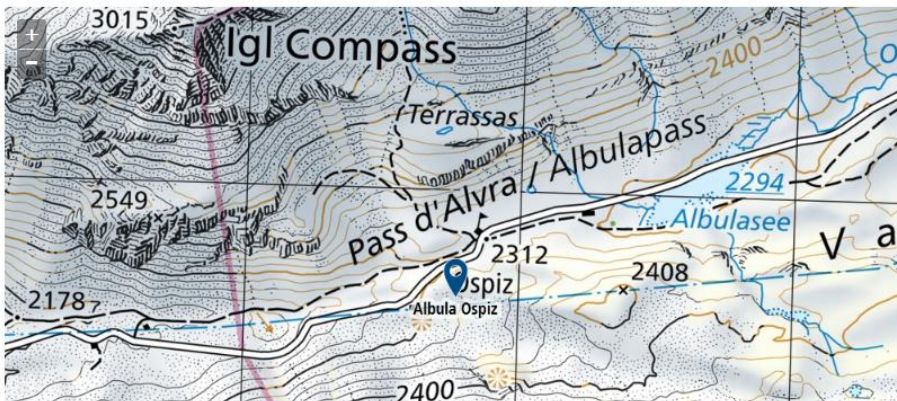
The time span of the loaded data takes place in the left selection. The respective display and output area can be changed interactively in the graphic (see zooming).
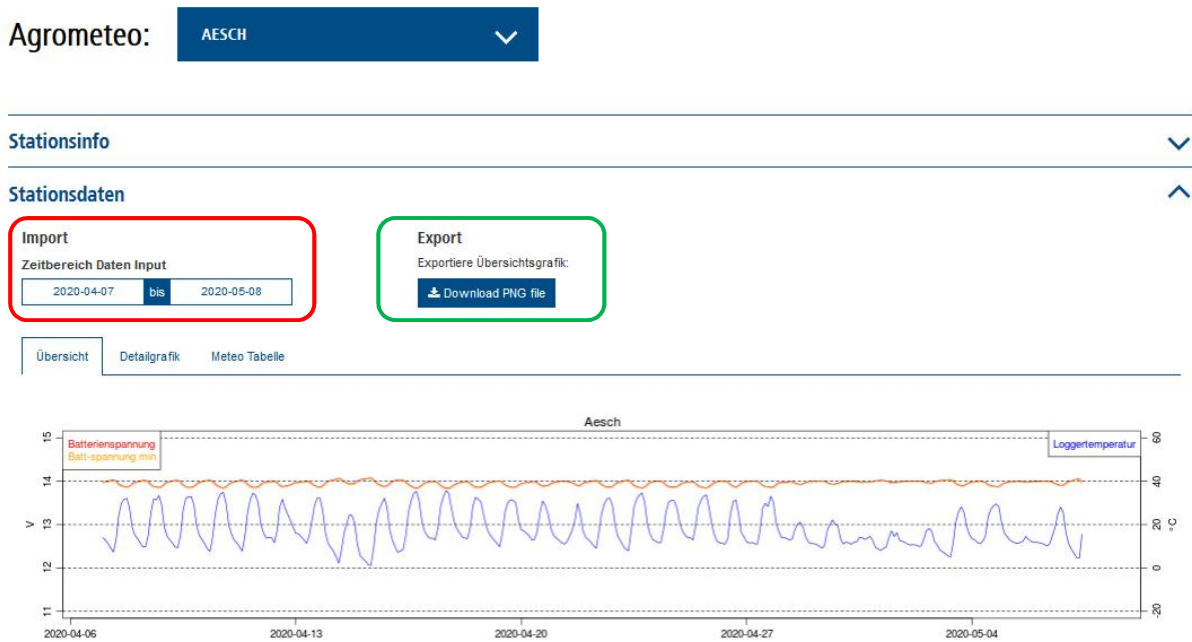
The export functions corresponding to the data view also appear. This is only displayed if the screen is sufficiently wide. PNG graphics are exported for the plot views. The tables are saved as CSV files. The output area / dataset corresponds to the respective display in the plot or in the table.

Display Mode

The display of the data can be selected with the tabs above the plotting area. Depending on the release, only the measurement data itself or additional system data can be selected (e.g. service table see below)
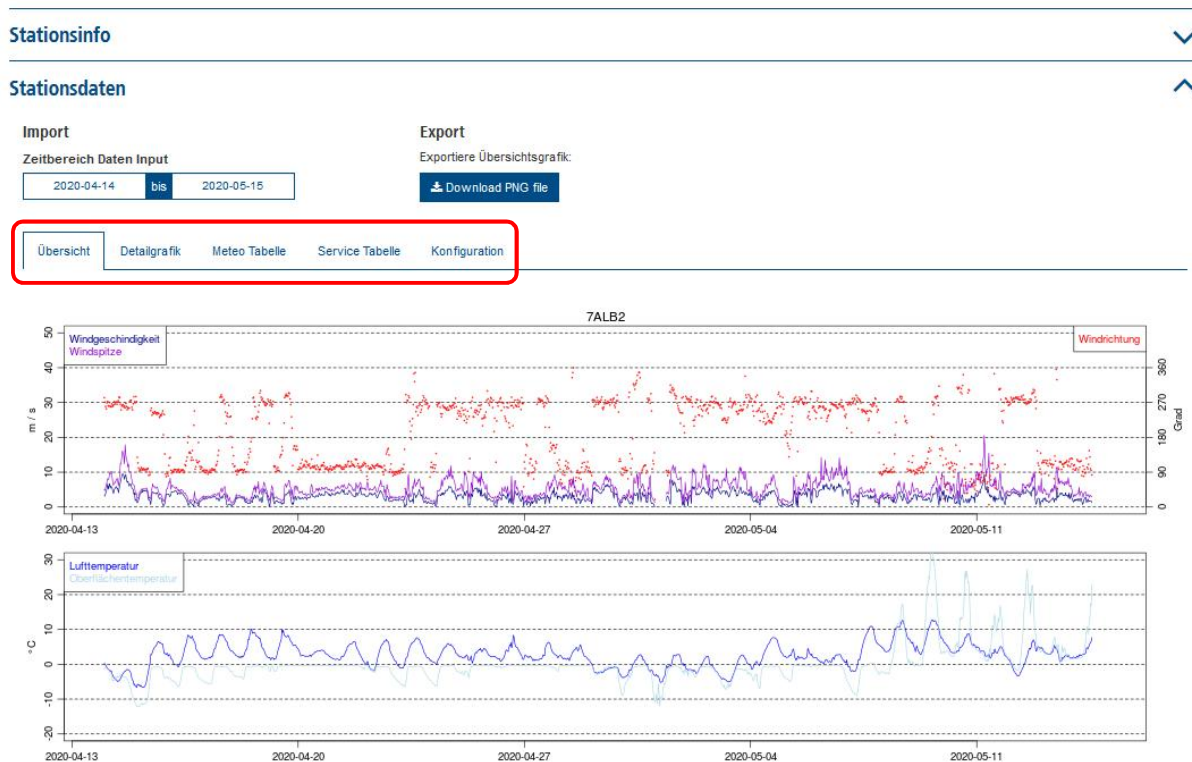
Zoom

By clicking, holding and dragging, the mouse can be zoomed into the display. Double-click sets the display back to the entire imported time range. For the detail plots with only one-sided display, the X and Y axes can be zoomed. In the case of overview plots and two-sided plots, only the time range (X-axis) is zoomed.
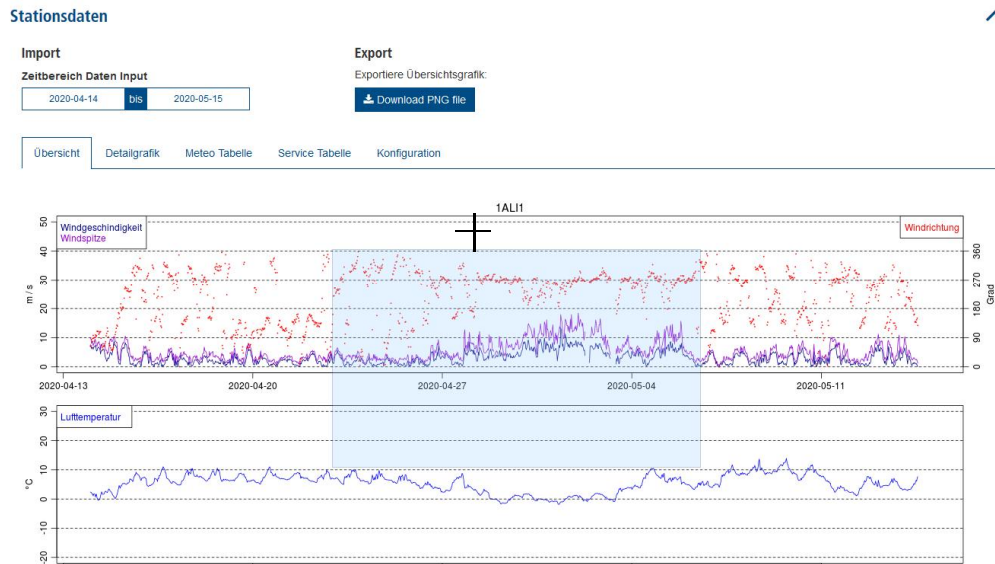
Tables

Scroll bars appear for tables that are larger than the display window. The tables can be sorted according to each column (click on arrows next to variable names; red arrow). You can search for any value in the search field.

Meaning of the variable names:

Variabel	Bedeutung	Variabel	Bedeutung
TA	air temperature [°C]	TSS	surface temperaturer [°C]
RH	relative humidityt [%]	TLOG	logger temperature [°C]
HS1	snow height 1 [cm]	VBAT_MEAN	mean battery voltage [V]
HS2	snow height 2 [cm]	VBAT_MIN	minimum battery voltage [V]
VWND1	wind speed [m / s]		
VWND1_MAX	wind guest [m / s]		
DWND1	wind direction [Grad]		
SRAD1	incoming shortwave radiation		
RSWR	reflected shortwave radiation		
BHUM1/2	leave humidity		
TVEG	temperature of vegetion		
TGND1	ground temperature		
SUN_DUR	sunshine duration		
PLU_INT/SUM	precipitation intensity / sum		