

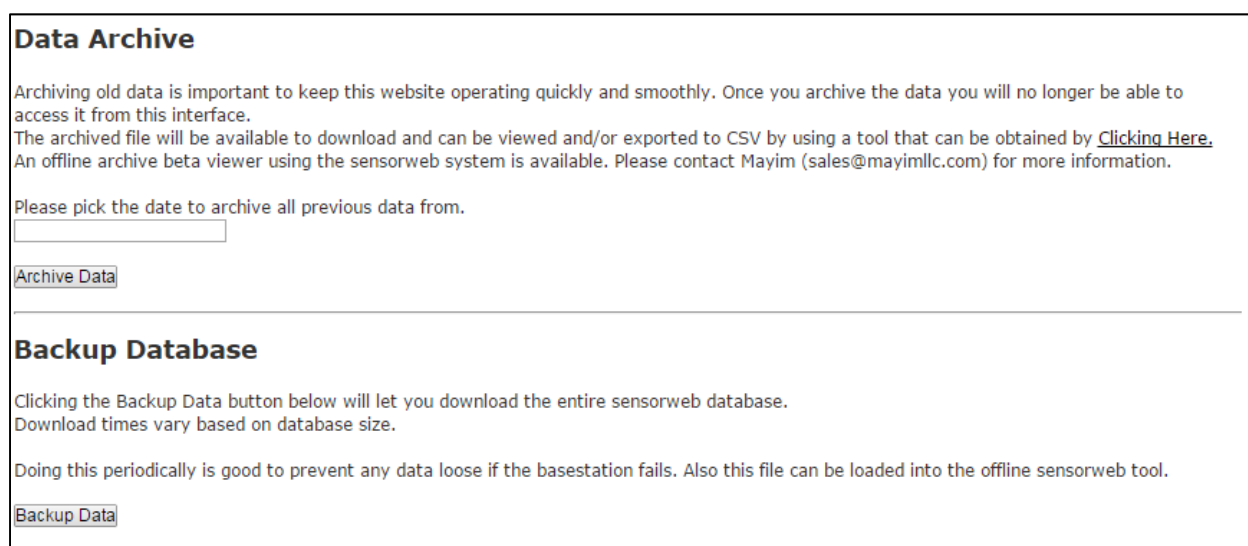
## 1. Datastation and Computer

Datastations (or Basestations) are powered by the computer and need to remain connected to continuously receive transmitted data from the nodes. When power outages force computers to shut down, datastations stop receiving data from nodes, which will create a gap in the Sensorweb™ or Datatrak database. It is good practice therefore to connect the computer to an uninterruptible power supply. The data that was not transmitted to the basestation however can always be downloaded directly from nodes.

When the basestation antenna needs to be raised on a mast outside, it is recommended to make sure the connections are tight to ensure solid transmission and water-proof to reduce wear and tear.

When a Sensorweb™ network is installed on a computer, it is recommended to periodically allow automatic updates to the Linux operating system for proper functioning of the network. Also, depending on the number of nodes installed, measurement intervals of nodes, the number of growing tools running and the speed of the central processing unit, the Sensorweb™ system may slow down as more data is collected with time. It is therefore advised to periodically archive old data to remove it from the database. For example, data can be archived at the end of the growing season or at the end of an experiment.

To archive data in Sensorweb™, go to “Settings” followed by “Backup and/or Archive Old Data” (Figure 1). The date up to which data is going to be archived can then be entered to remove all data up to the specified date from the Sensorweb™ database.



**Data Archive**

Archiving old data is important to keep this website operating quickly and smoothly. Once you archive the data you will no longer be able to access it from this interface.  
The archived file will be available to download and can be viewed and/or exported to CSV by using a tool that can be obtained by [Clicking Here](#).  
An offline archive beta viewer using the sensorweb system is available. Please contact Mayim (sales@mayimllc.com) for more information.

Please pick the date to archive all previous data from.

[Archive Data](#)

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**Backup Database**

Clicking the Backup Data button below will let you download the entire sensorweb database.  
Download times vary based on database size.

Doing this periodically is good to prevent any data loose if the basestation fails. Also this file can be loaded into the offline sensorweb tool.

[Backup Data](#)

Figure 1. The “Data Archive” tool in Sensorweb™

The “Data Archive” tool can also be used to back up data. Backing up data will save the contents of the Sensorweb™ database. It is advisable to back up data periodically to protect data loss due to basestation failure. Both archived and backed-up data are accessible in various formats (spreadsheet programs such as Microsoft Excel for example) for further analysis. An offline Sensorweb™ tool is available to reload data for further viewing and analysis. Reimporting archived or backed up data to an active Sensorweb™ installation however is not possible.