GEOKON | TRUSTED MEASUREMENTS®

Product Tutorial

Exporting Data from Agent

Before Continuing

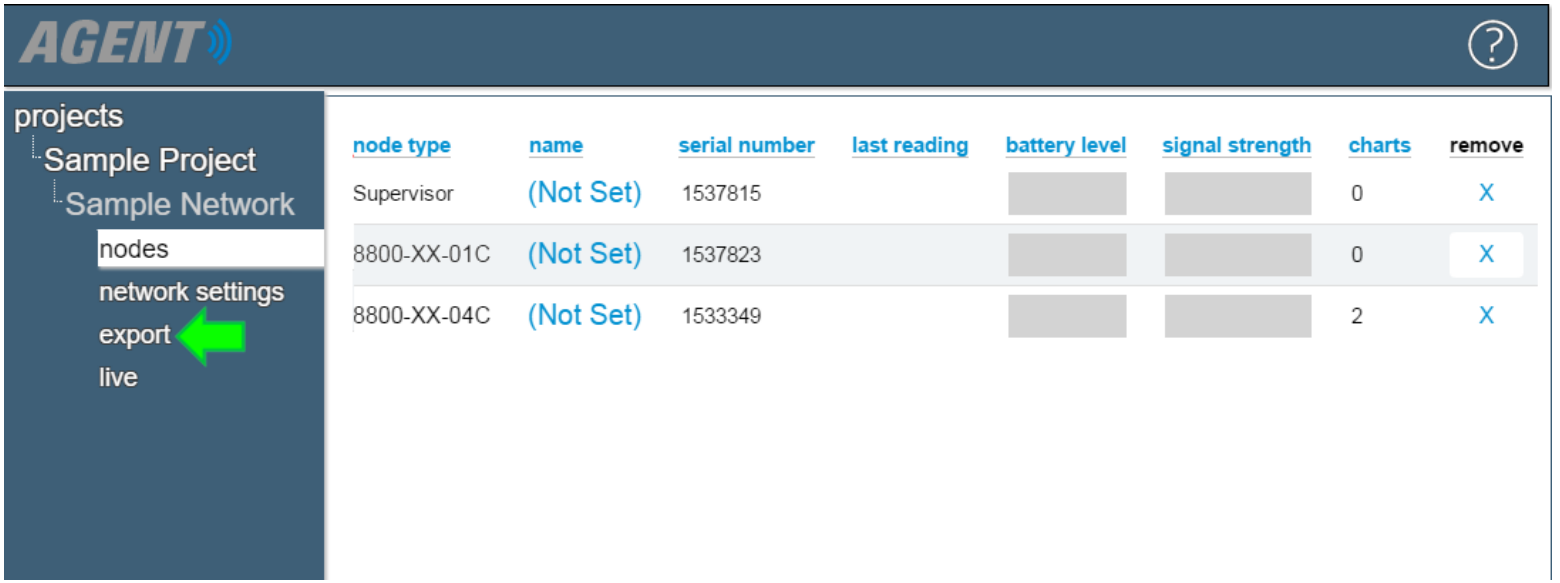
⚠ Prior to viewing this tutorial, please read the "Using GeoNet Wireless Data Hosting Systems and Agent Software" tutorial to familiarize yourself with the basics of the Agent program

If you have not already done so, create a Project and a Network inside the Agent program for the GeoNet network that contains the data to be exported

Please Note: Data is exported from the Agent database; therefore, only data that has been downloaded from the network is available for export

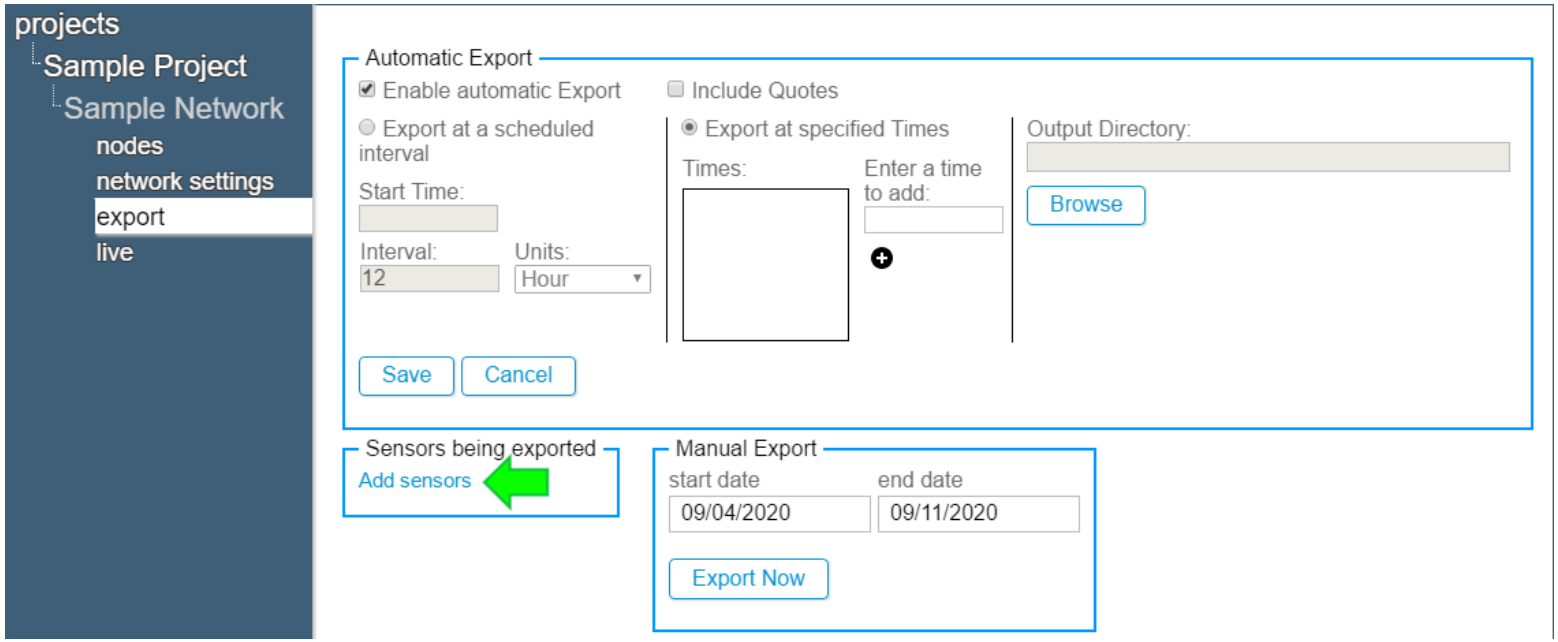
Exporting Data
Adding Sensors

1. To export data, select a Project, then a Network, and then click "Export"



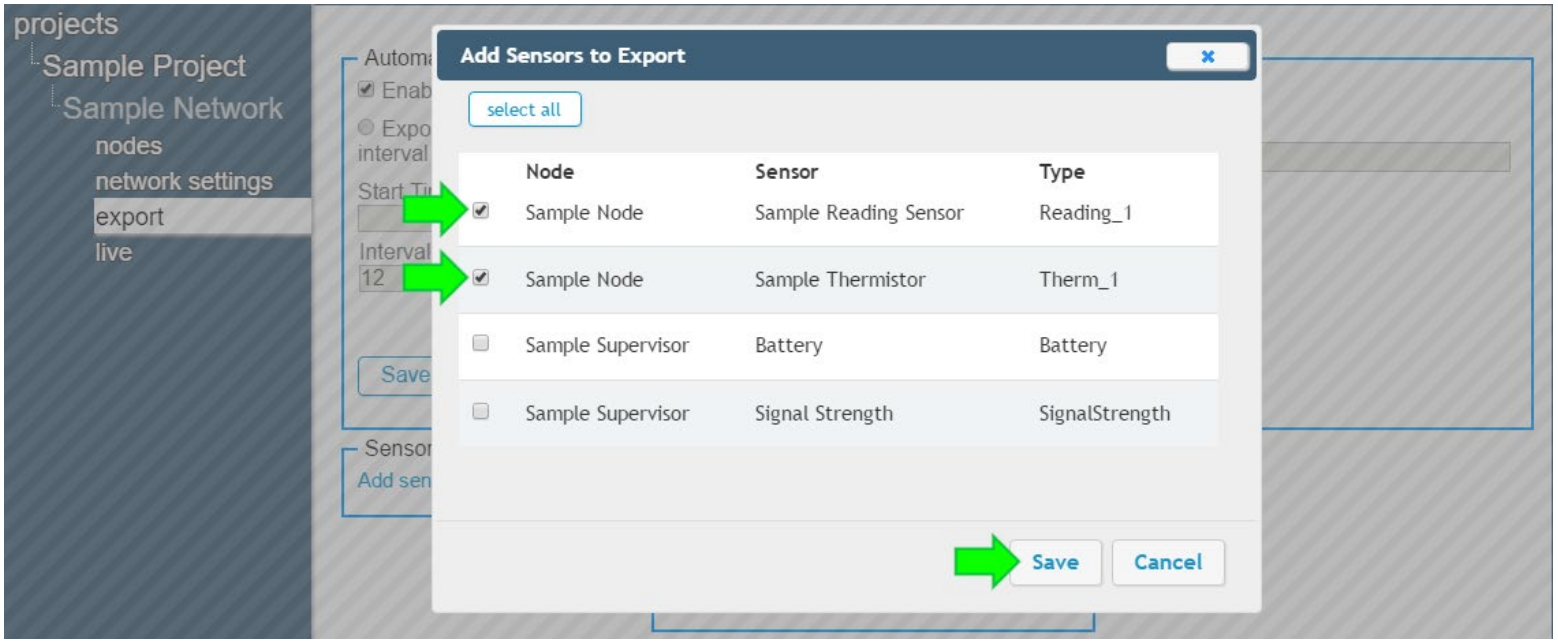
Exporting Data
Adding Sensors (Continued)

2. Only data from sensors shown in the “Sensors being exported” list will be saved in the export file. Click “Add sensors” to add sensors to the list



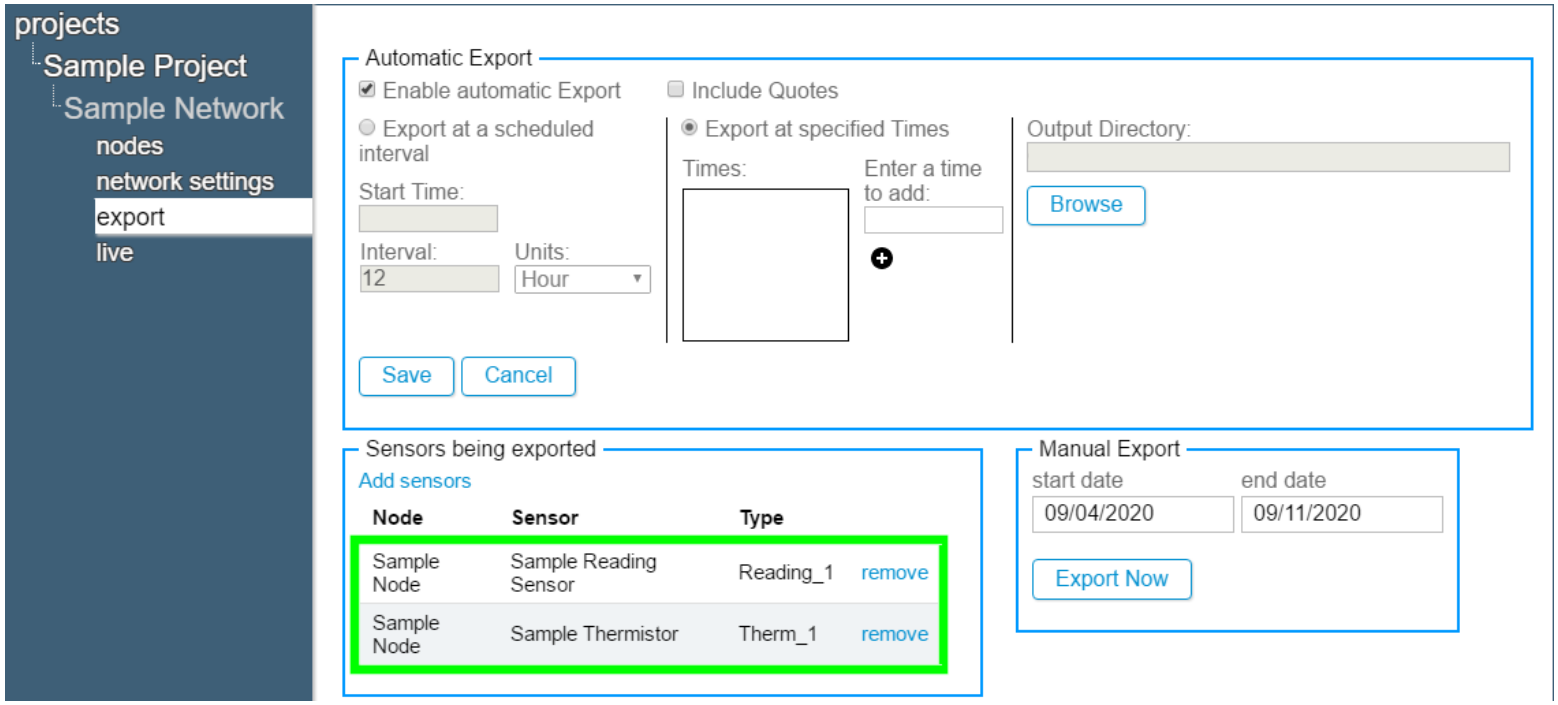
Exporting Data
Adding Sensors (Continued)

3. Select the sensors to add, and then click “Save”
   (Only sensors previously added to devices in the Network will be shown)



Exporting Data
Adding Sensors (Continued)

4. The selected sensors will be added to the “Sensors being exported” box

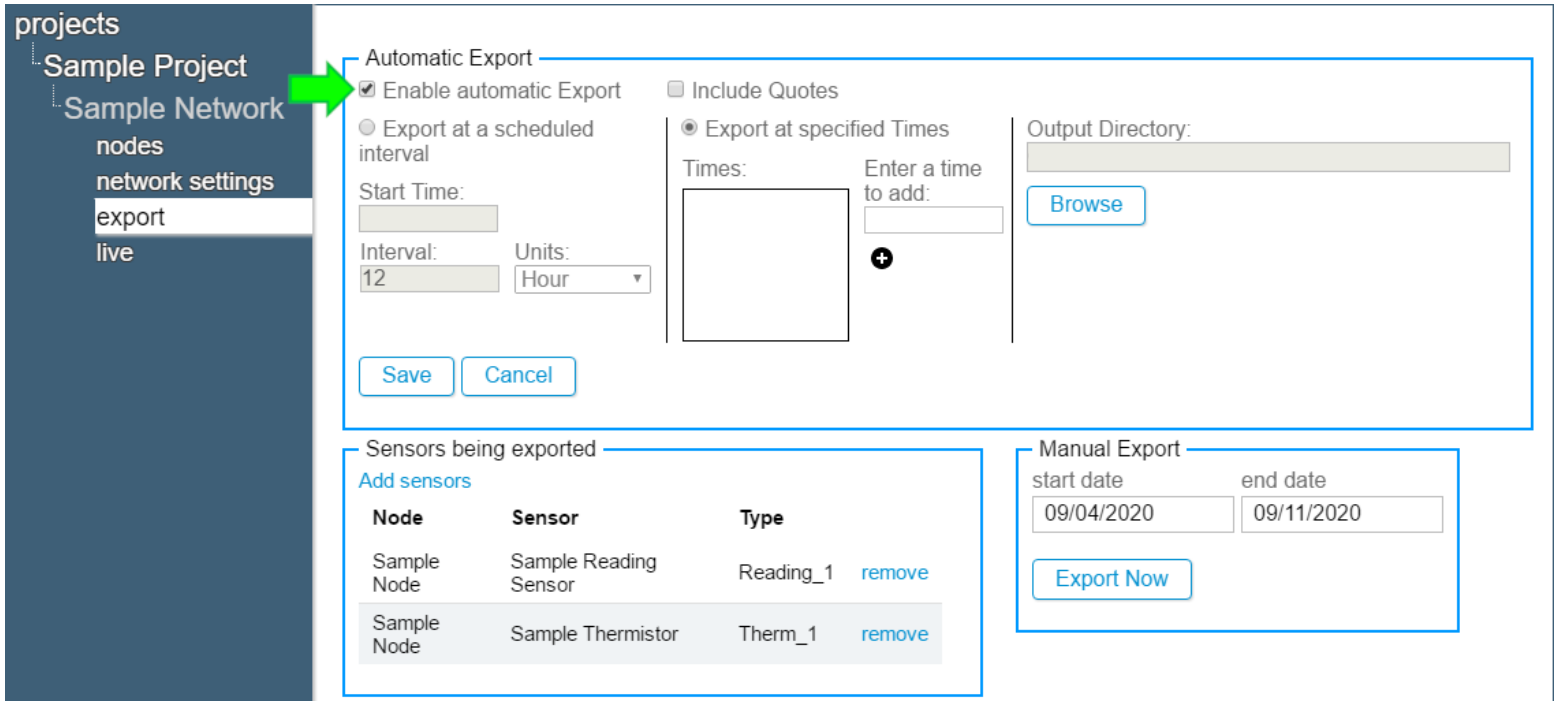


Exporting Data
Automatic Export

- The automatic export feature is designed to work with data management programs such as Vista Data Vision®
- The exported data file will be saved with a ".dat" extension (Most computers will require the user to choose a program with which to open this type of file)
- Data will be exported to the same file each time an export occurs
- If the sensor mapping is changed, or a Node, chart, or sensor is added or removed, a new ".dat" file will be created and the previously written file will be given a ".bad" extension

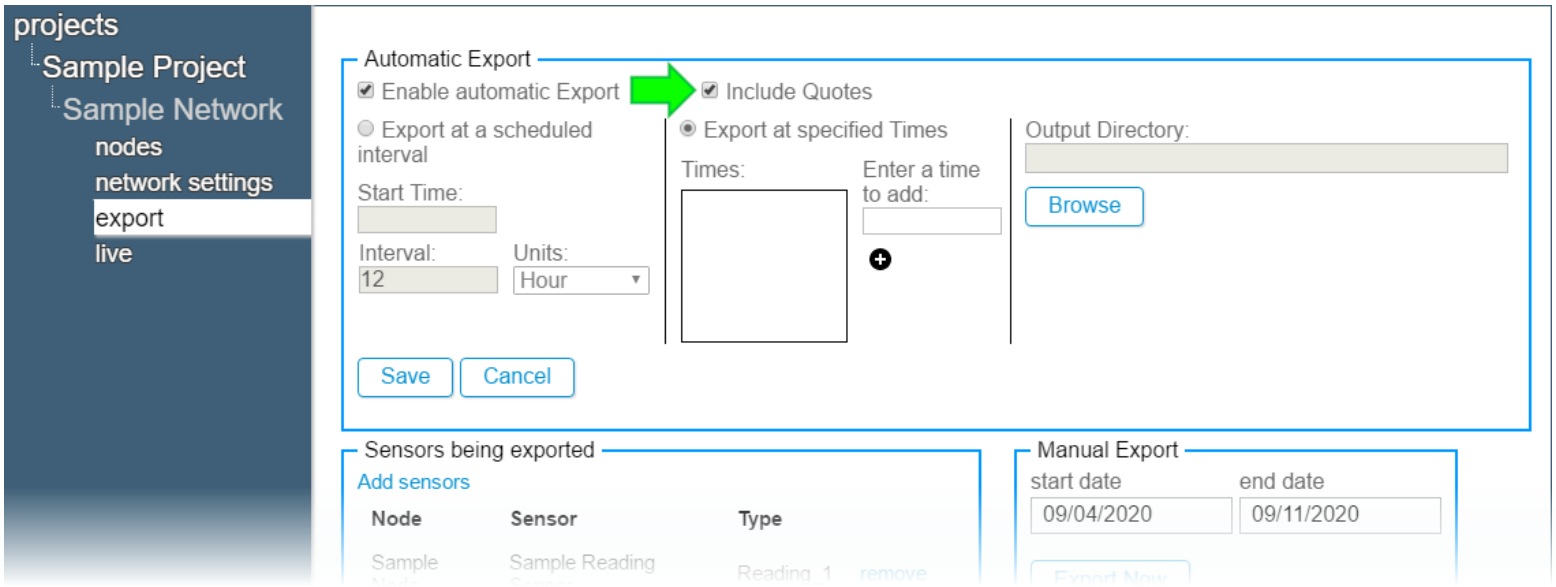
Exporting Data
Automatic Export (Continued)

1. To turn on automatic export, check the box next to “Enable automatic Export”



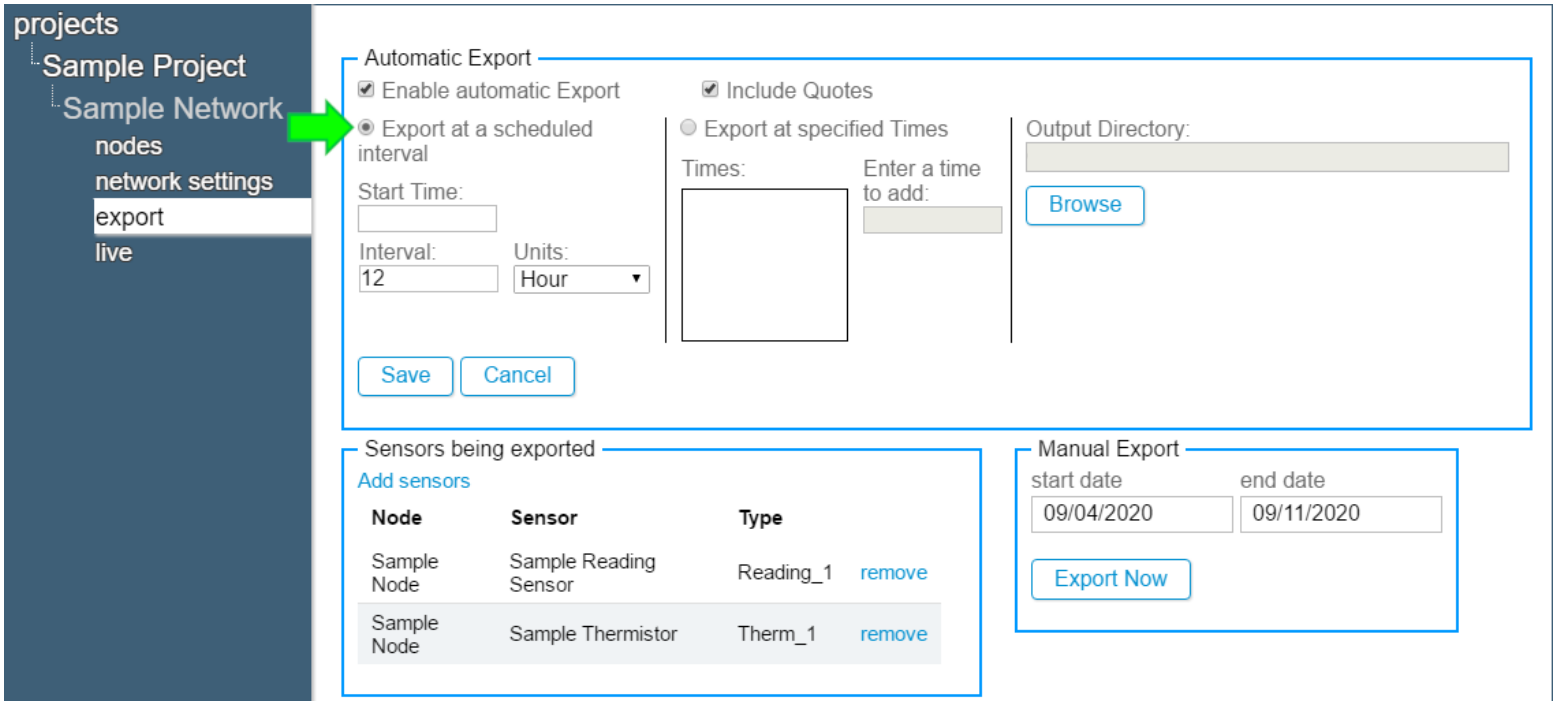
Exporting Data
Automatic Export (Continued)

2. If “Include Quotes” is checked, quotation marks will be inserted wherever data is separated by commas
   (This may be required to import the file into data programs that use commas as decimal points, or in regions that use alternate date formats)



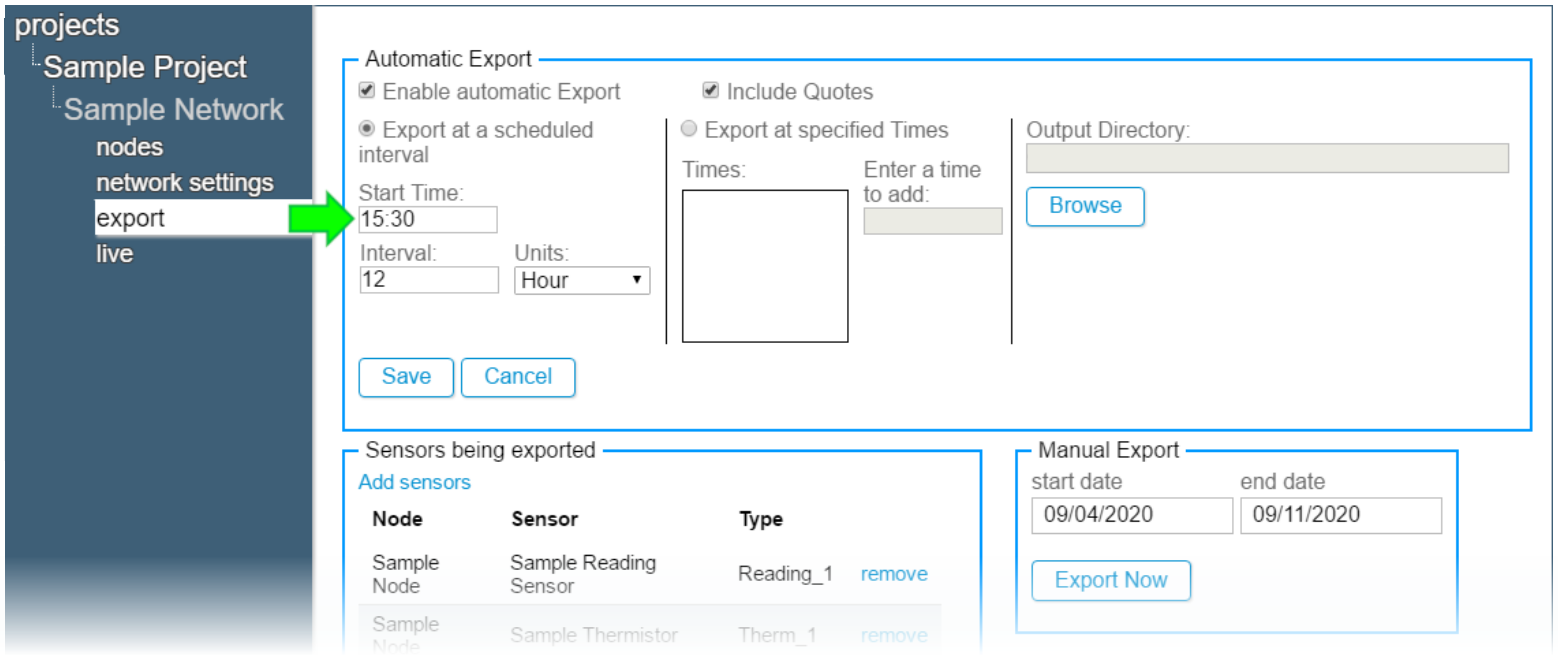
Exporting Data
Automatic Export (Continued)

3. To set the automatic export to occur at scheduled intervals, click the “Export at a scheduled interval” button



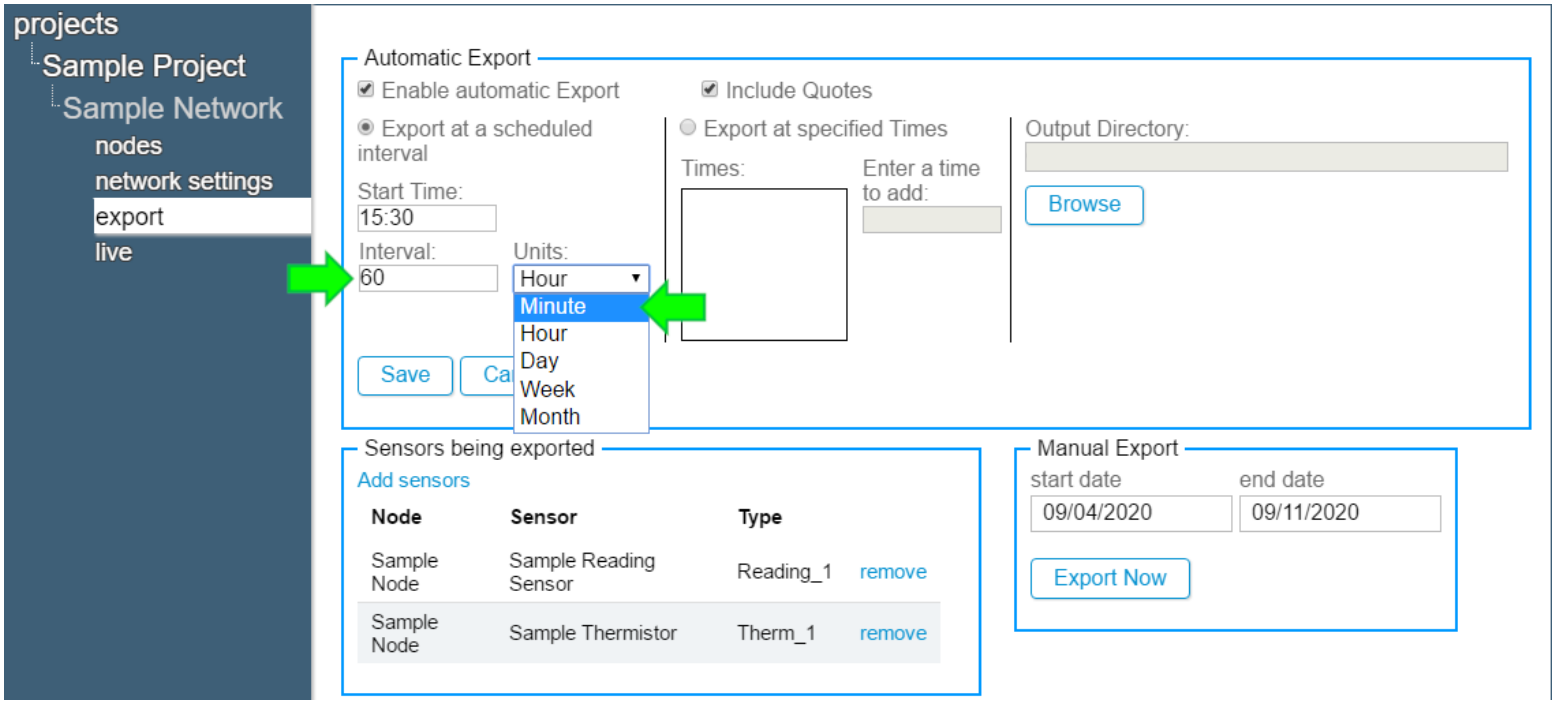
Exporting Data
Automatic Export (Continued)

4. Enter a “Start Time” if desired. When a start time is present, the first export will occur at the specified time
(All times on this screen must be entered in 24-hour hour format, for example, 3:30 PM is entered as 15:30)



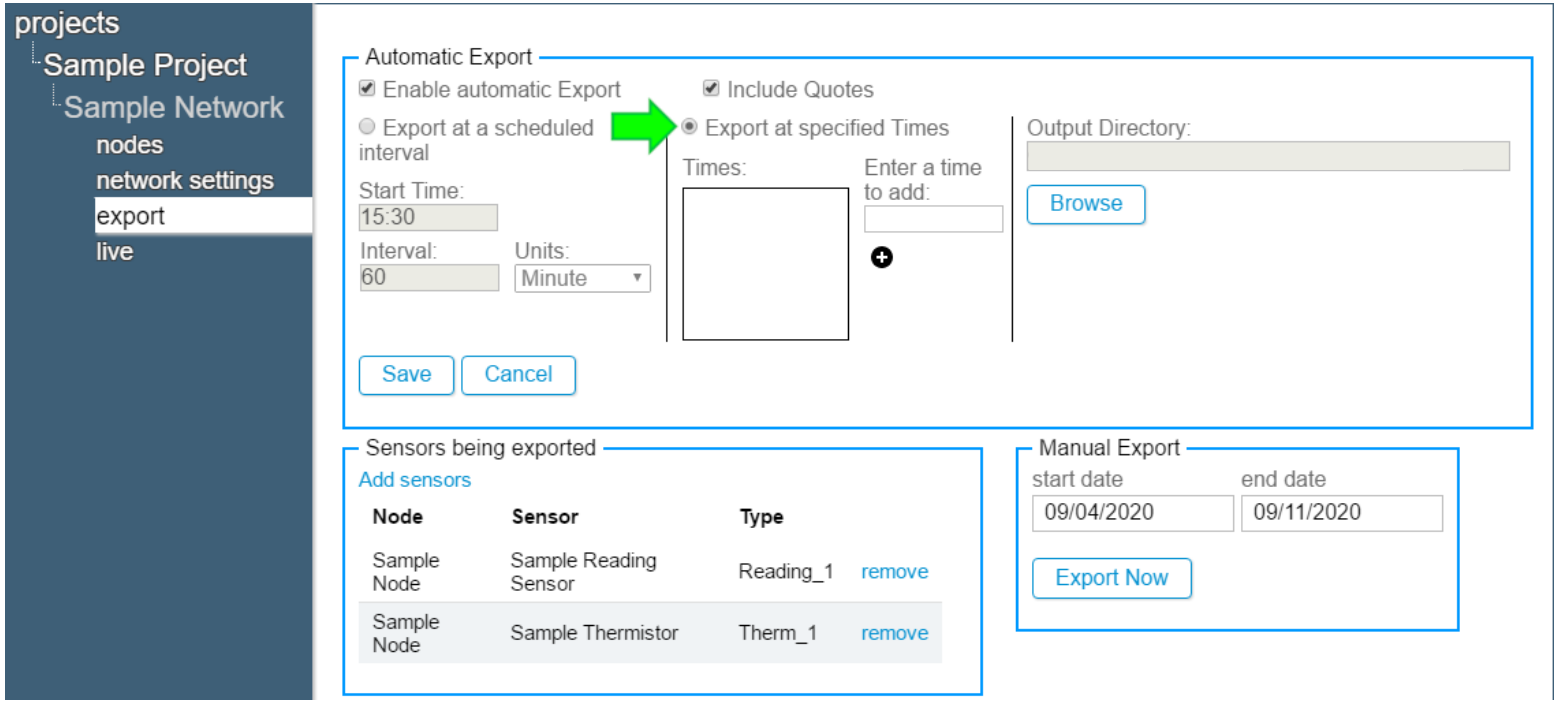
Exporting Data
Automatic Export (Continued)

5. Data export will recur based on the information in the “Interval” and “Units” fields



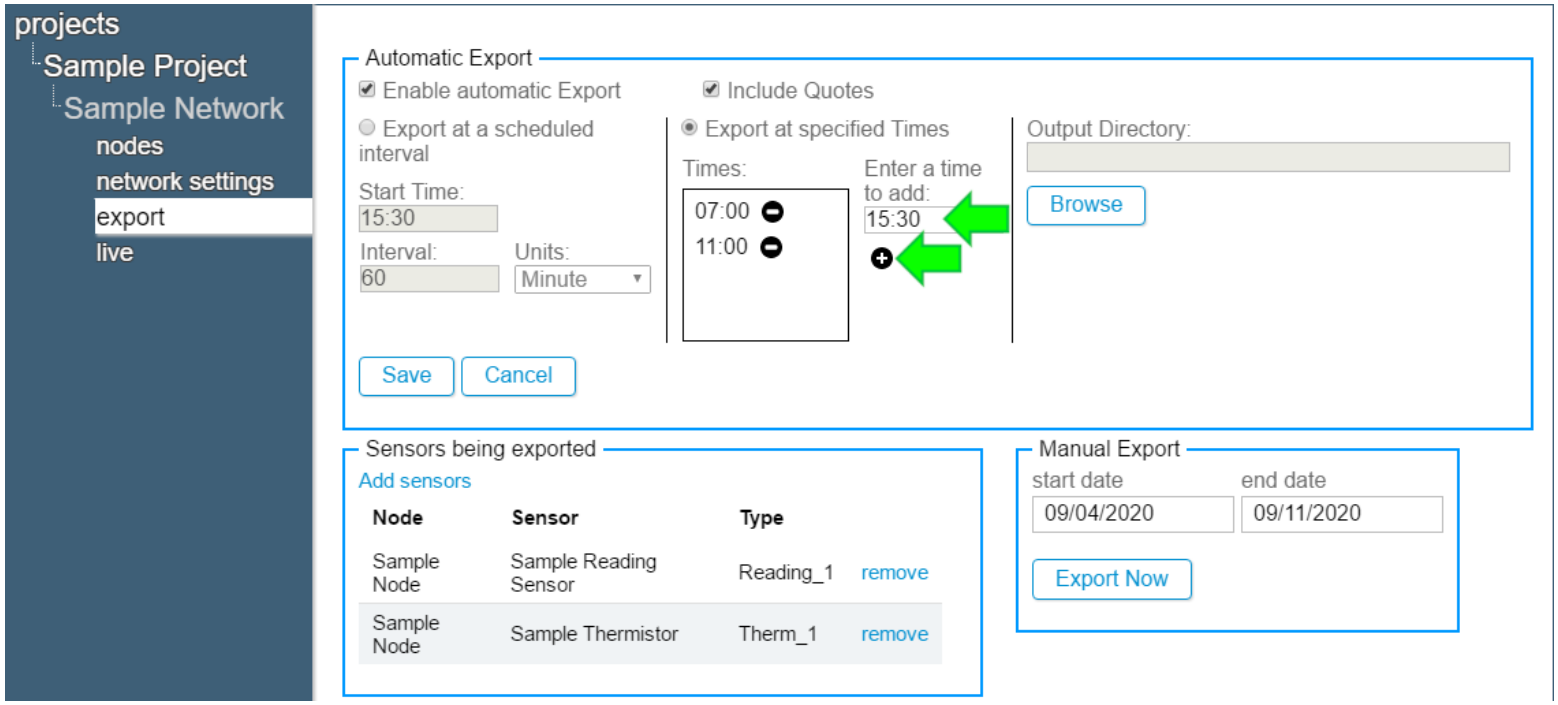
Exporting Data
Automatic Export (Continued)

6. To set the automatic export to occur at specific times, click the "Export at specified Times" button.



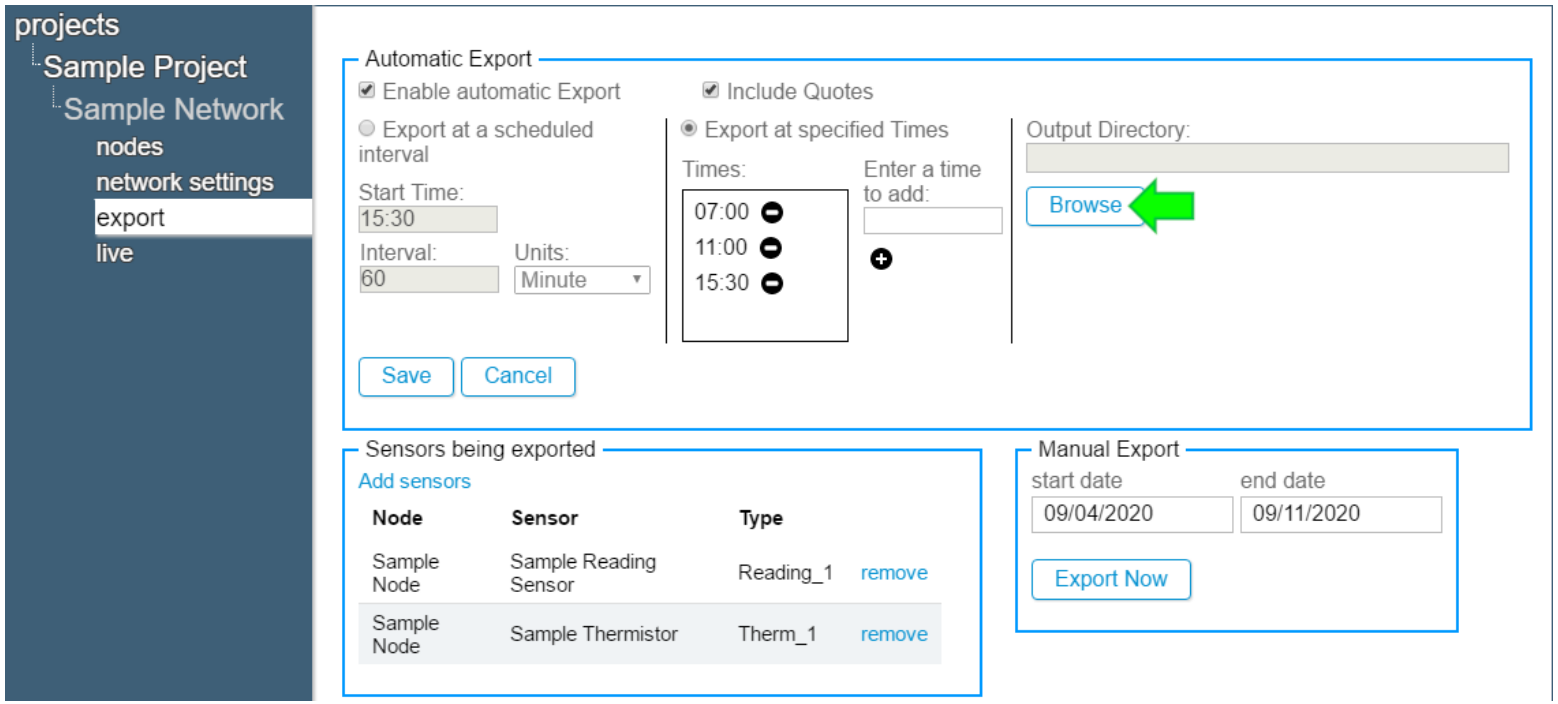
Exporting Data
Automatic Export (Continued)

7. Input a time in the "Enter a time to add field" and then click ⊕ (To remove a time from the list, click ⊖)



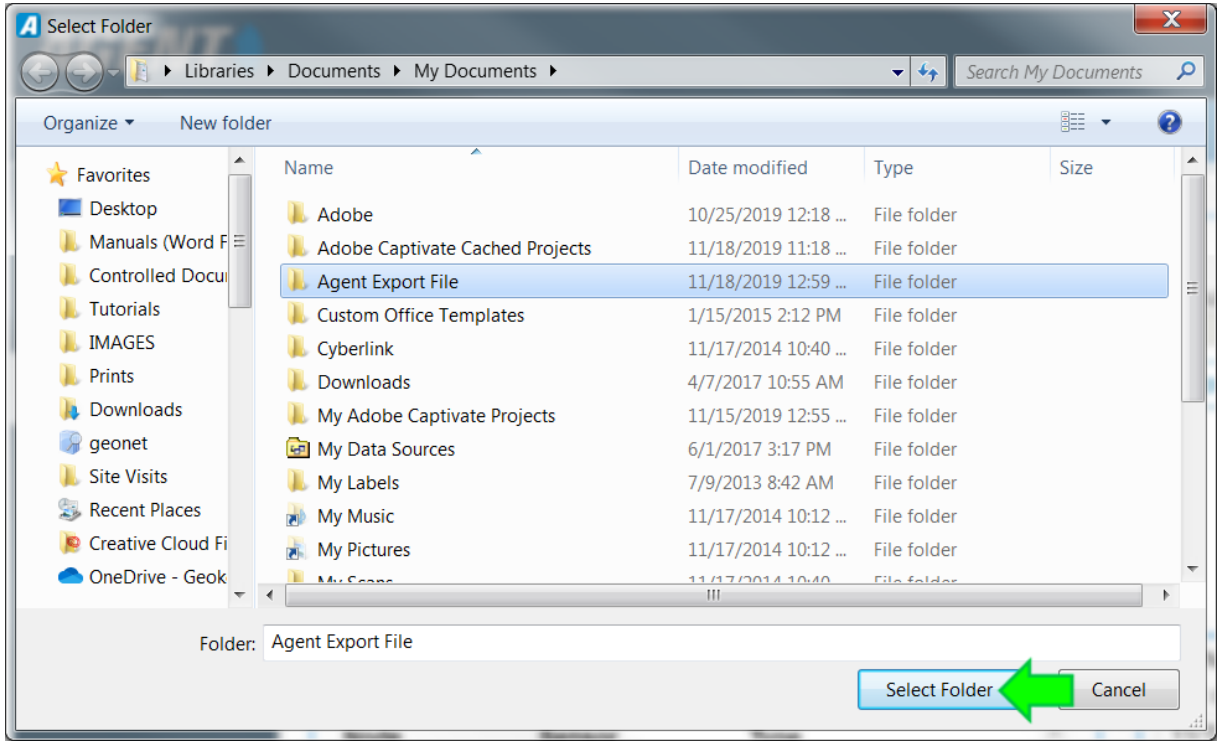
Exporting Data
Automatic Export (Continued)

8. To set the output directory click “Browse”



Exporting Data
Automatic Export (Continued)

9. Select a location for the file and then click “Select Folder”



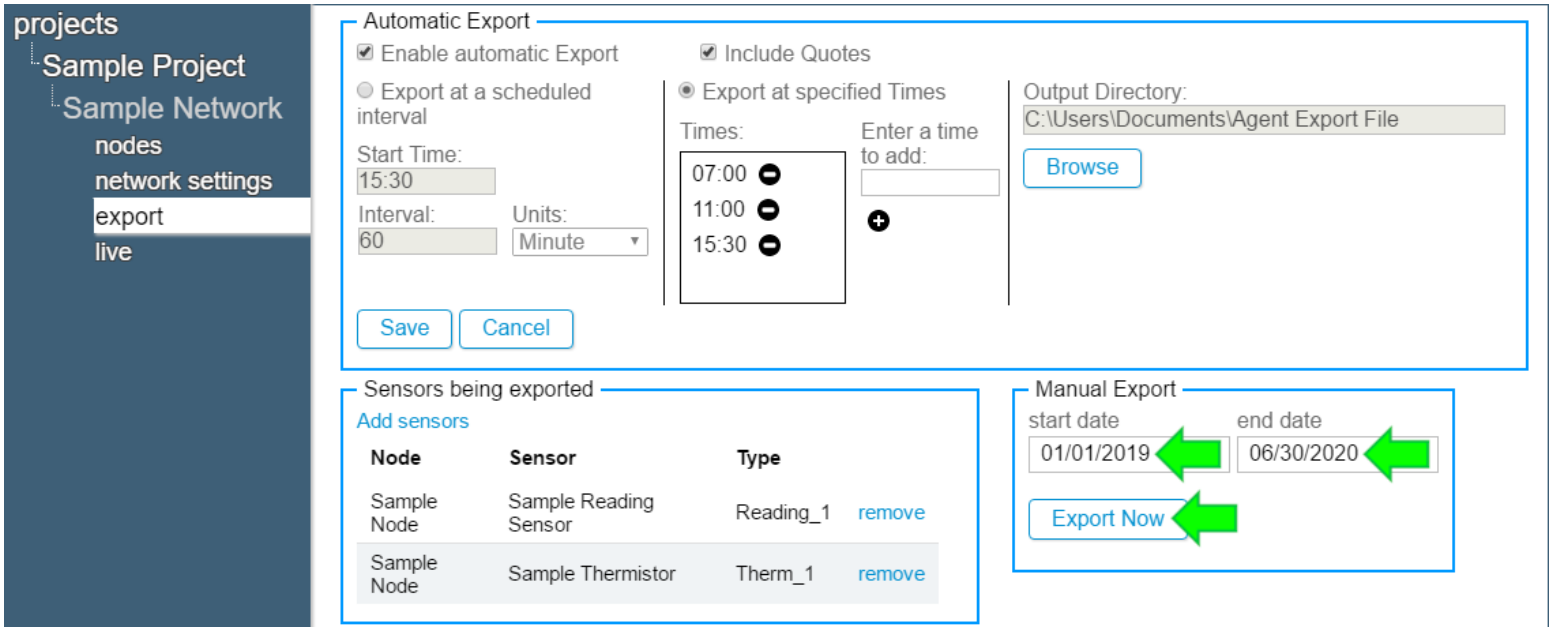
Exporting Data
Automatic Export (Continued)

10. Open or import the .dat file using the data management program of your choice

Exporting Data
Manual Export

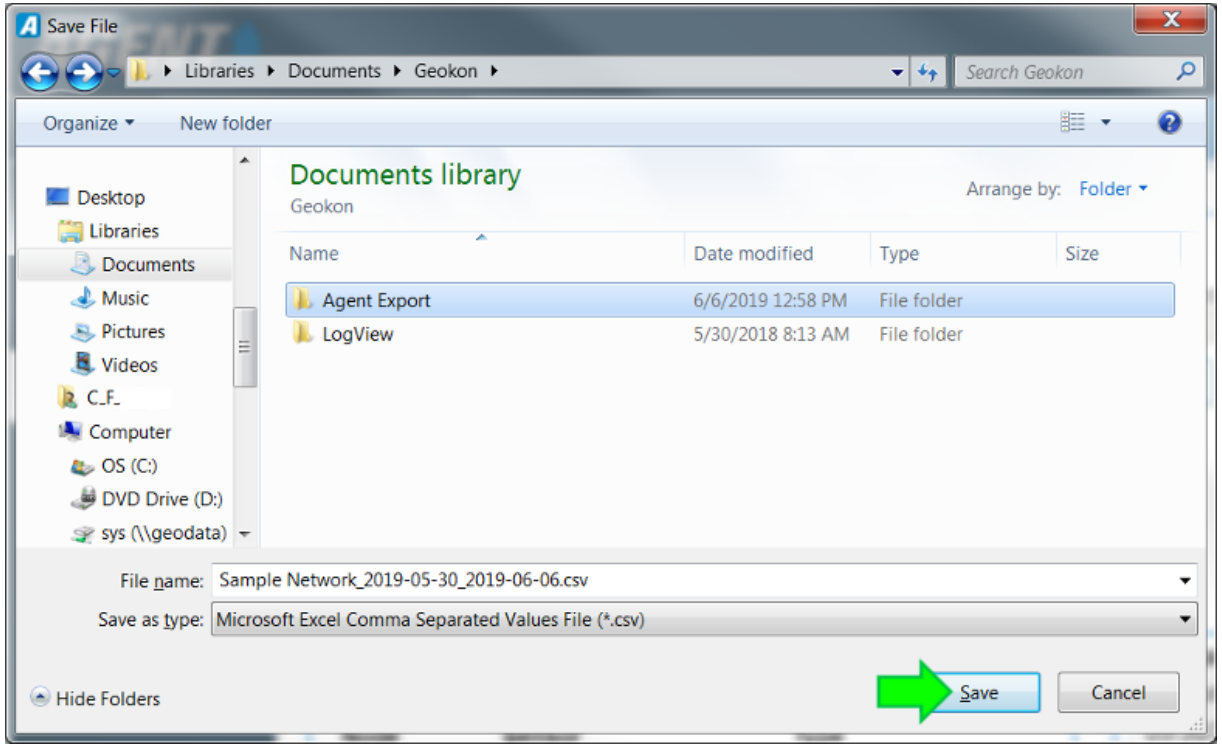
- Manual Export is a convenient way to export data for a given date range. Manual export is an immediate, one-time export

1. Select a start and end date to set the date range, then click "Export now"



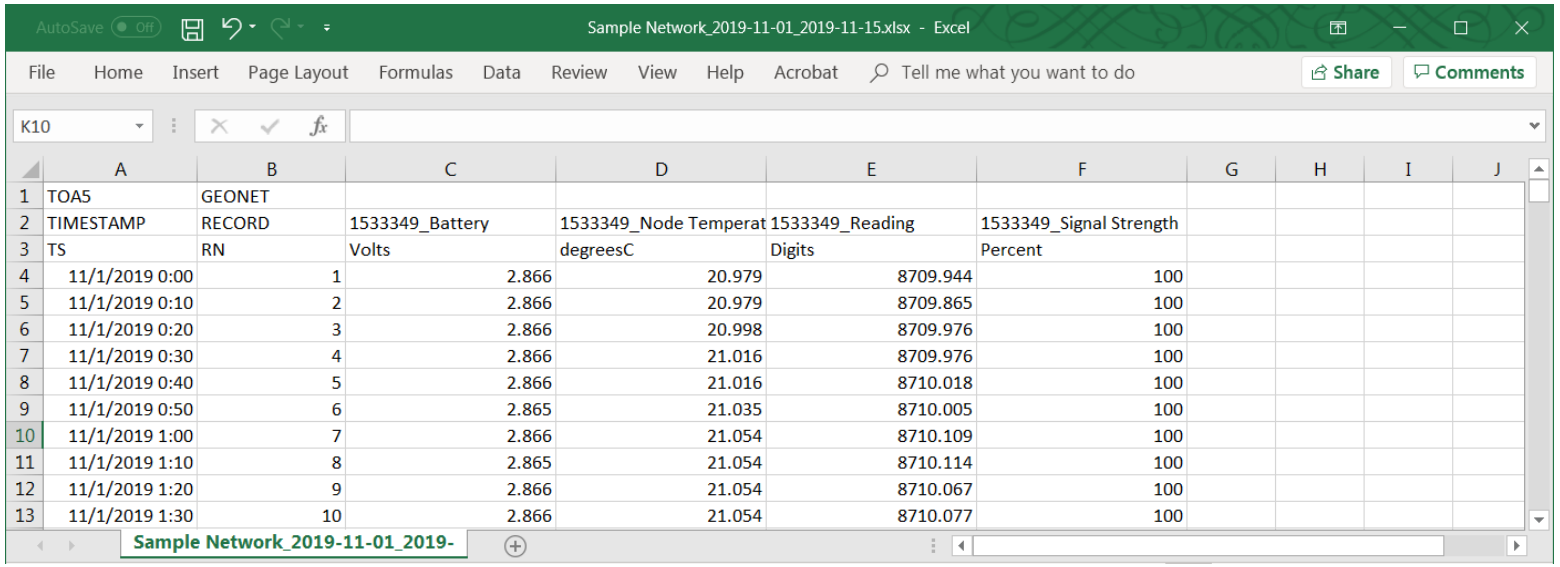
Exporting Data
Manual Export (Continued)

2. Select a location for the .csv file and then click “Save”



Exporting Data
Manual Export (Continued)

3. To view the data, open the .csv file with Microsoft® Excel® or a similar program

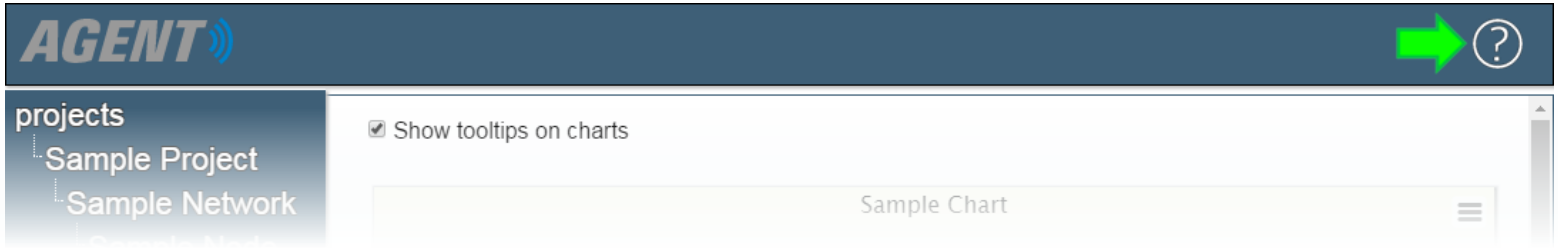


	A	B	C	D	E	F
1	TOA5	GEONET				
2	TIMESTAMP	RECORD	1533349_Battery	1533349_Node Temperat	1533349_Reading	1533349_Signal Strength
3	TS	RN	Volts	degreesC	Digits	Percent
4	11/1/2019 0:00	1	2.866	20.979	8709.944	100
5	11/1/2019 0:10	2	2.866	20.979	8709.865	100
6	11/1/2019 0:20	3	2.866	20.998	8709.976	100
7	11/1/2019 0:30	4	2.866	21.016	8709.976	100
8	11/1/2019 0:40	5	2.866	21.016	8710.018	100
9	11/1/2019 0:50	6	2.865	21.035	8710.005	100
10	11/1/2019 1:00	7	2.866	21.054	8710.109	100
11	11/1/2019 1:10	8	2.865	21.054	8710.114	100
12	11/1/2019 1:20	9	2.866	21.054	8710.067	100
13	11/1/2019 1:30	10	2.866	21.054	8710.077	100

- Each column contains the data for a particular sensor
- Each row represents the date and time the reading was taken

For more information…

- Consult the GeoNet and Agent instruction manuals, which can be accessed at any time by clicking on the question mark at the top of the screen



- Instruction manuals are available for download at: www.geokon.com/Manuals
- Please visit www.geokon.com/Tutorials for more tutorials