



Florida Department of Environmental Protection Office of Air Monitoring

Agilaire LLC Model 8872 Data Logger Overview

March 23, 2016





8872 Data Logger Overview

Topics of Interest

- **What does it look like?**
- **What type of Data Logger is it?**
- **Operational Overview**



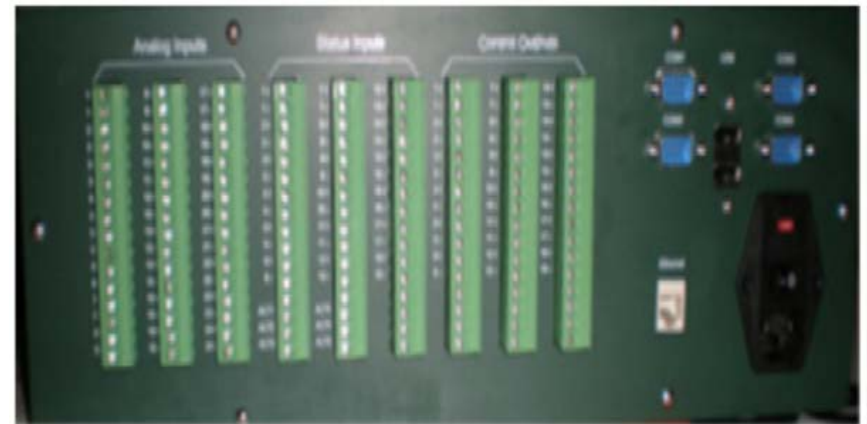
8872 Data Logger Overview

What does it look like?

Front View



Rear View

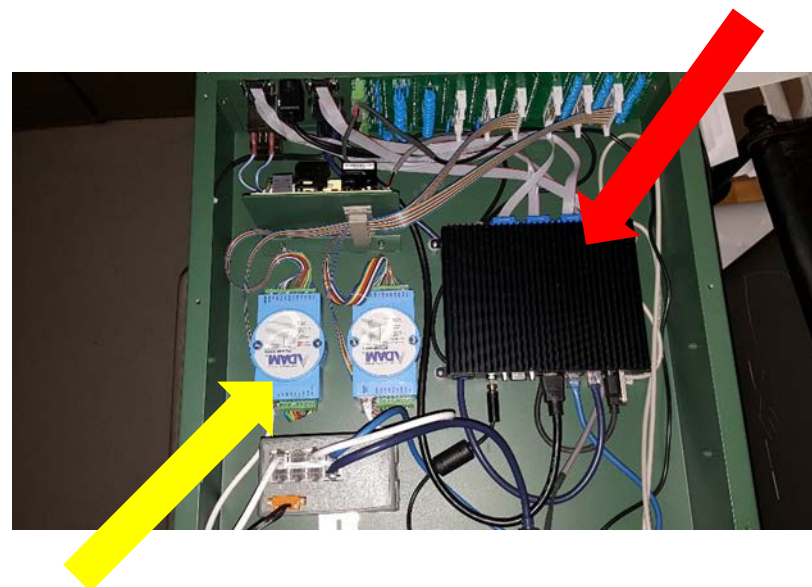




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What Type of Data Logger is it?

- The red arrow is pointing to the computer.
- The yellow arrow is pointing to one of the 2 modules inside the data logger.
- The computer and the modules control all of the functions of the data logger.

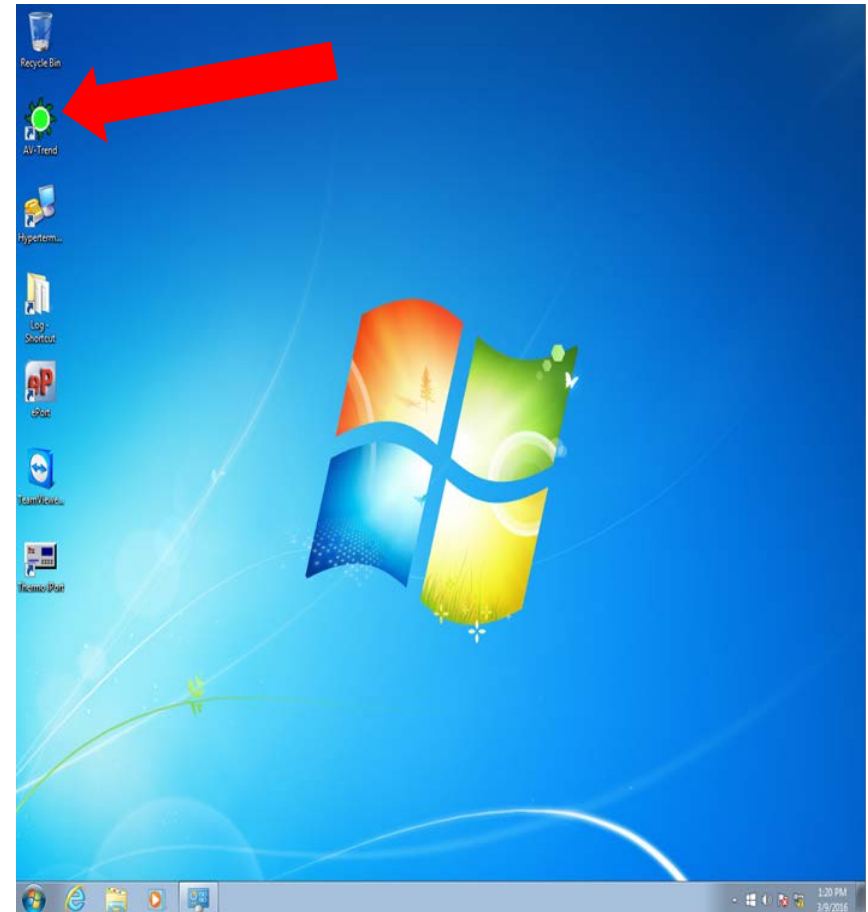




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Operational Overview

- Since the 8872 is computer based it operates like any other computer.
- When the 8872 boots up you will see the home screen.
- To access the data logger you will double click on the AV-Trend icon.





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- Once AV-Trend opens you will see a screen like the one to the right.
- It will open the Site Node Logger Toolbox automatically.
- The Site Node Logger Toolbox is where you will see your instant readings, put your channels into maintenance and take them out of maintenance.

AV-Trend™

Site Node Logger Toolbox

Configuration Editors

Refresh Options

Refresh Status Automatically Refresh Interval: 5 Seconds Refresh Now

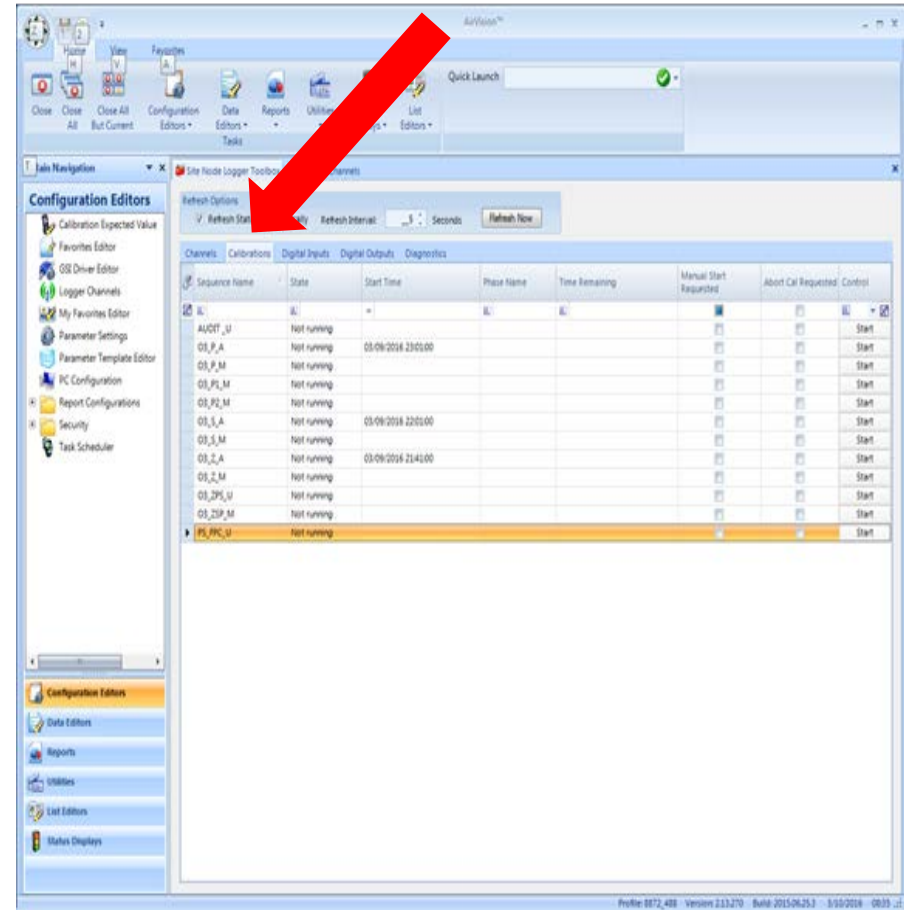
Channel Number	Channel Name	Parameter Name	Time Stamp	Value	Units	Flags	Enabled	Disabled Flag	Maintenance Flag
1	CS	CS	03/09/2016 13:27:56	299.1	PPB		True	False	False
2	OSPS	OSPS	03/09/2016 13:27:51		PPB		True	False	False
5	INT	INT	03/09/2016 13:27:56	299.1	DEGC		True	False	False
15	WDA	SWDR	03/09/2016 13:27:52		DEG		True	False	False
16	WSA	SWSP	03/09/2016 13:27:52		MPH		True	False	False
17	WDV	VWDR	03/09/2016 13:27:52		DEG		True	False	False
18	WSV	VWSP	03/09/2016 13:27:52		MPH		True	False	False
19	BP	BARPRESS	03/09/2016 13:27:52		MMHG		True	False	False
20	ATMP	AMBTMP	03/09/2016 13:27:52		DEGC		True	False	False
21	RH	RELHUM	03/09/2016 13:27:52		PERCENT		True	False	False
22	RABH	RABFALL	03/09/2016 13:27:52		INCHES		True	False	False
23	CSPLCA	CSPLCA	03/09/2016 13:27:51		LPM		True	False	False
24	CSPLCB	CSPLCB	03/09/2016 13:27:51		LPM		True	False	False
25	CSPLRES	CSPLRES	03/09/2016 13:27:51		MMHG		True	False	False
26	CSBHTP	CSBHTP	03/09/2016 13:27:51		DEGC		True	False	False
27	CSLPTP	CSLPTP	03/09/2016 13:27:51		DEGC		True	False	False
28	CSLUNA	CSLUNA	03/09/2016 13:27:51		LPM		True	False	False
29	CSLUNB	CSLUNB	03/09/2016 13:27:51		HZ		True	False	False
30	CSPSPLCA	CSPSPLCA	03/09/2016 13:27:51		LPM		True	False	False
31	CSPSPLCB	CSPSPLCB	03/09/2016 13:27:51		LPM		True	False	False
32	CSPSPRE	CSPSPRE	03/09/2016 13:27:51		MMHG		True	False	False
33	CSPSBHTP	CSPSBHTP	03/09/2016 13:27:51		DEGC		True	False	False
34	CSPSLPTP	CSPSLPTP	03/09/2016 13:27:51		DEGC		True	False	False
35	CSPSQULT	CSPSQULT	03/09/2016 13:27:51		DEGC		True	False	False
36	CSPSLUNA	CSPSLUNA	03/09/2016 13:27:51		HZ		True	False	False
37	CSPSLUNB	CSPSLUNB	03/09/2016 13:27:51		LPM		True	False	False

Profile: 8872_488 Version: 2.13.270 Build: 201506253 3/9/2016 13:27:51



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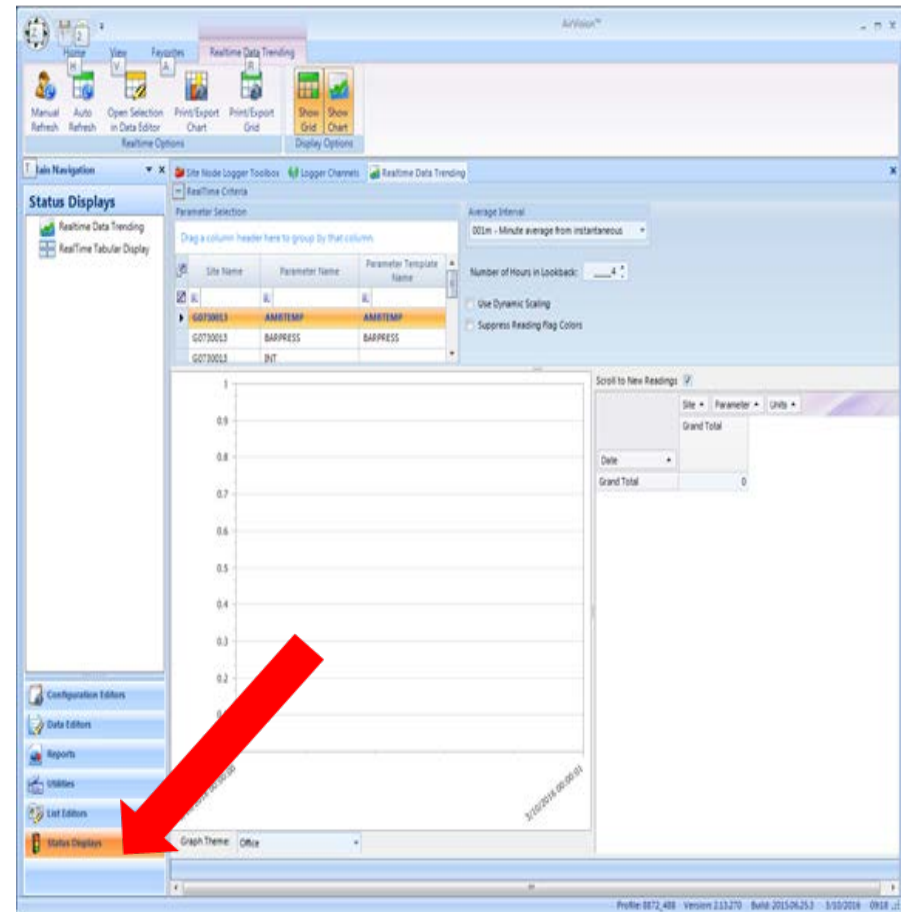
- You will also notice that there are tabs underneath the Site Node Logger Box.
- The Calibrations tab is where you will control your calibrations.
- There is no longer a manual calibration. It runs similar to an auto Cal, but the only difference is it is initiated by you.





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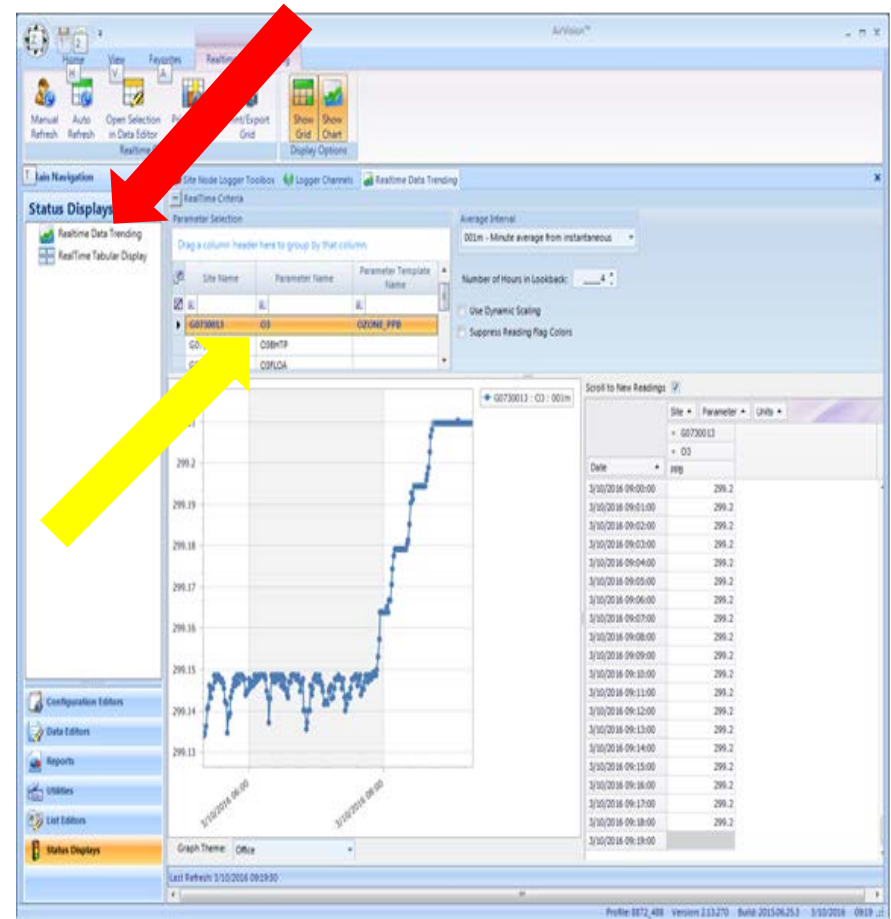
- Another important menu is the Status Displays menu.
- This menu includes Realtime Data Trending and Realtime Tabular Display.
- Realtime Data Trending allows for real time data to be displayed and graphed
- You can also see how your equipment compares during a performance audit





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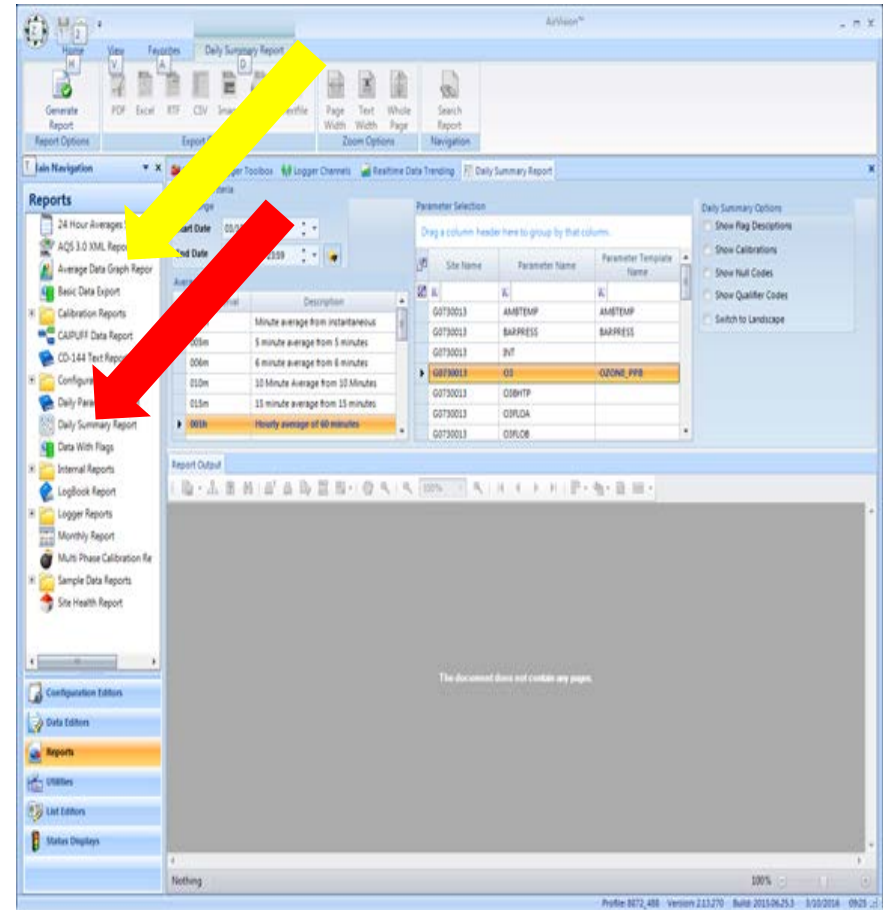
- Underneath Status Displays you will see Real time Data Trending (red arrow).
- Once you click on Real time Data Trending you will choose your parameter (yellow arrow) and it will display a graph and the values.





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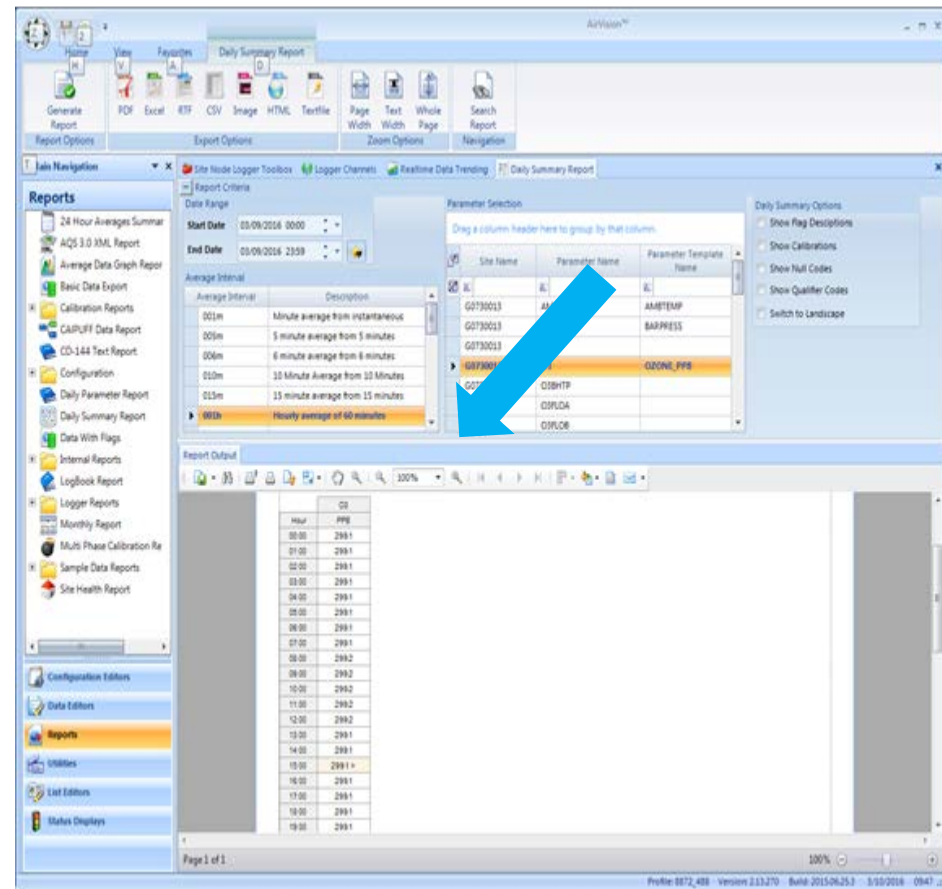
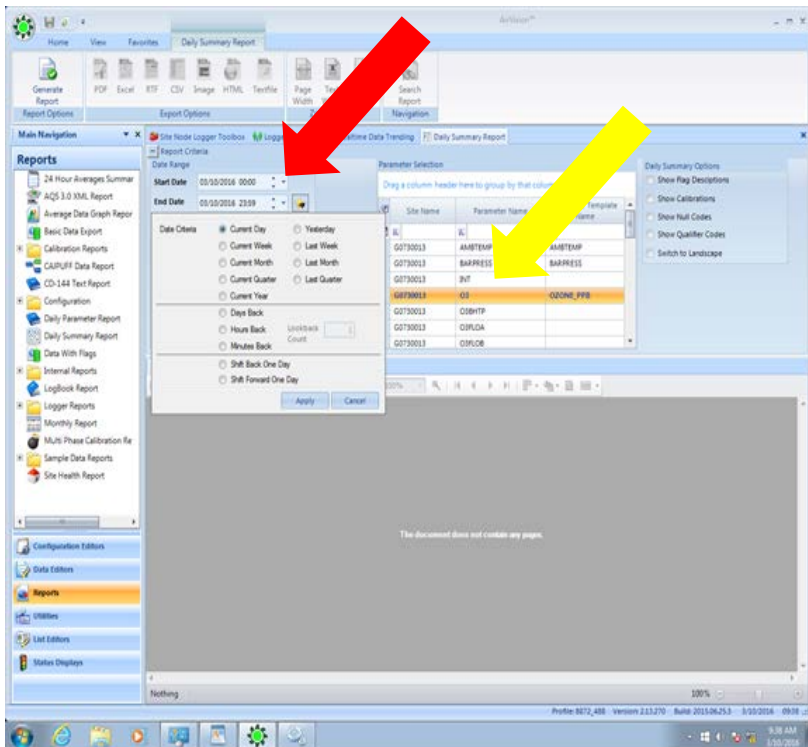
- Another useful menu is Reports.
- Many different reports underneath the Reports heading.
- Two that will be commonly used is the Daily Site Summary (red arrow) and the Average Data Graph Report (yellow arrow).





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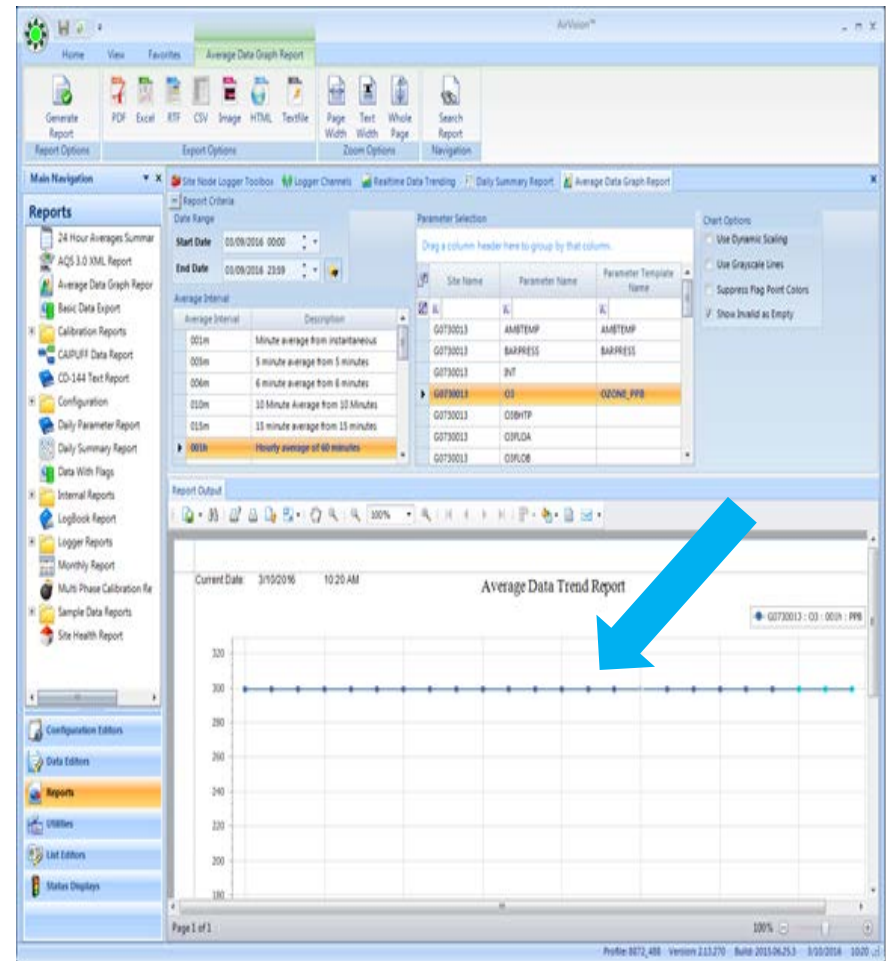
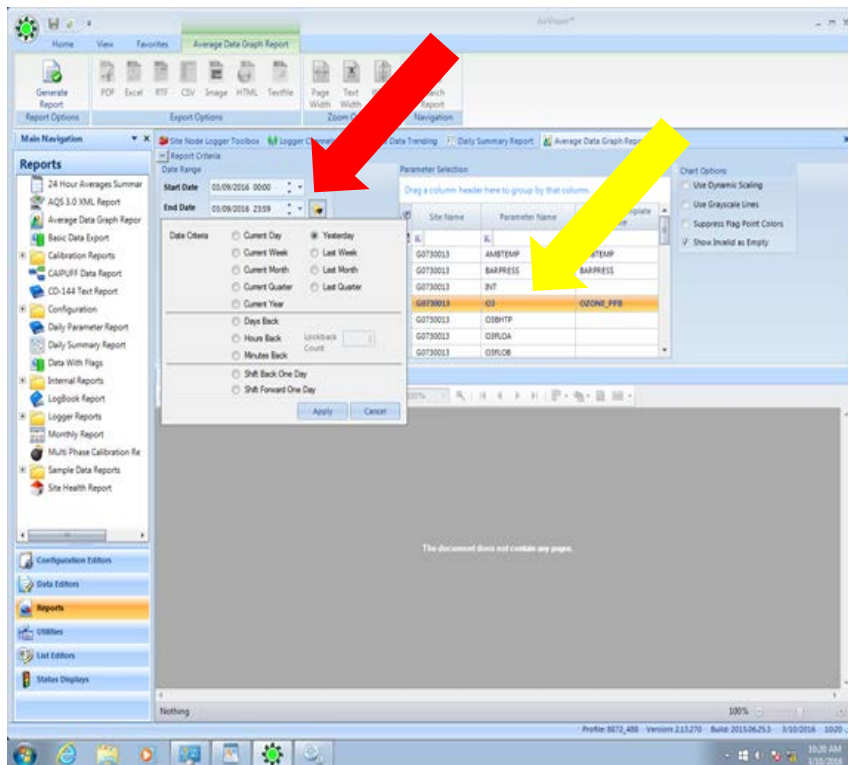
- To view the Daily Summary Report you will select the date and parameter as shown in the image below (red and yellow arrows). The image to the right shows the report that is generated (blue arrow).





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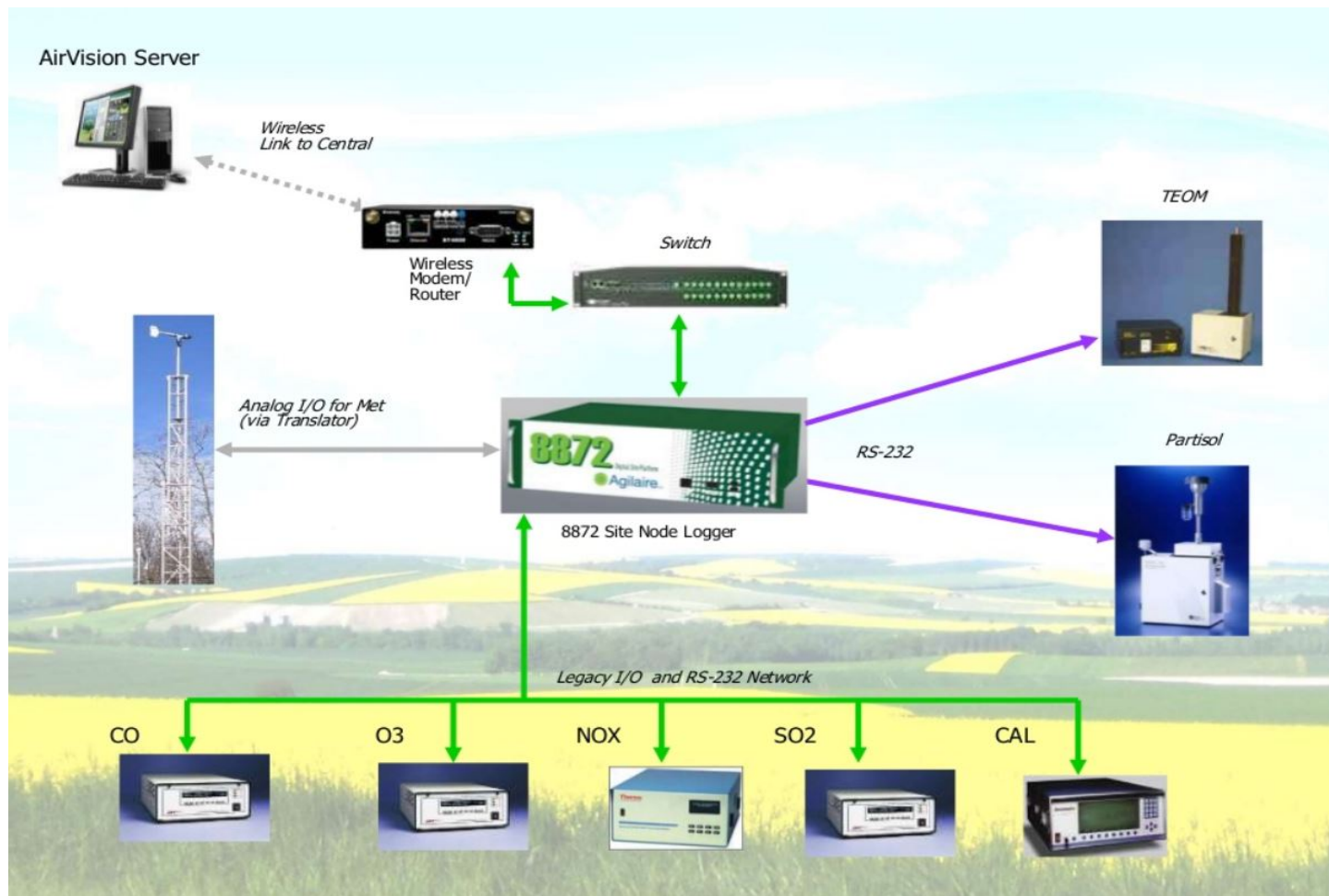
- To view the Average Data Graph Report you will select the date and parameter as shown in the image below (red and yellow arrows). The image to the right shows the report that is generated (blue arrow).





8872 Data Logger Overview

Well-suited for Today's Communication Technology





Summary

- PC/Windows-based data logger
- Digital Instrument Interfaces
- Automated calibration programs
- Full GUI and Reporting Features
- Supports cellular, satellite and IP-based communications



Questions



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