

Open the Data Analysis report (Reports->Statistical Report) and query the desired parameters. In this case, we have chosen one parameter template (PMHR) and several sites. Run the report for multiple years.

The screenshot shows the AirVision Data Analysis report interface. The 'Parameter Selection' table is visible, showing columns for Site Name, Parameter Name, Parameter Template Name, and Parameter Description. The 'Report Output' table shows a grid of data with columns for Interval, Date, and Grand Total.

Site Name	Parameter Name	Parameter Template Name	Parameter Description
Albany	PMHR	PMhr	T640
Athens	PMHR	PMHR	PMHR_channel 4
Athens	PMHR_COLOC	PMHR_COLOC	PMHR_channel 4
Augusta	PMHR	PMHR	PMHR_channel 10
Augusta	PMHR10	PMHR10_STP	
Columbus - Airport	PMHR	PMHR	PMHR_channel 5
Forsyth County	PMHR	PMHR	PMHR
Gainesville	PMHR	PMHR	PMHR_channel 3
Gwinnett Tech	PMHR	PMHR	PMHR_channel 4
Marion Executive	PMHR	PMHR	PMHR_channel 7

Interval	Date	Augusta	South DeKalb	Grand Total
00h	1/1/2019 00:00:00	8.7	7.9	8.3
	1/1/2019 01:00:00	6.9	7.6	7.25
	1/1/2019 02:00:00	6.3	7.3	6.8
	1/1/2019 03:00:00	6.2	6.5	6.35
	1/1/2019 04:00:00	6.6	8	7.3
	1/1/2019 05:00:00	6.8	8.1	7.45
	1/1/2019 06:00:00	7.1	7.1	7.1
	1/1/2019 07:00:00	8.1	5.1	6.6
	1/1/2019 08:00:00	7.7	4.1	5.9
	1/1/2019 09:00:00	7	6.3	6.65
	1/1/2019 10:00:00	6.9	6	6.45
	1/1/2019 11:00:00	6.5	6.2	6.35
	1/1/2019 12:00:00	6.2	5.8	6
	1/1/2019 13:00:00	5.5	5	5.25
	1/1/2019 14:00:00	5.8	5.8	5.8

Right-click on the right side of the top grey bar, and select "Show Field List".

The screenshot shows the AirVision Data Analysis report interface with the 'Show Field List' dialog box open. The dialog box displays a list of fields including Agency Code, AQIS County Tribal Code, AQIS County Tribal Name, AQIS Duration Code, AQIS Duration Description, AQIS Tribal Code, AQIS Method Code, AQIS Parameter Abbreviation, AQIS Parameter Category, AQIS Parameter Code, AQIS Parameter Description, AQIS Parameter Occurrence Code, AQIS Site Code, AQIS State Abbreviation, and AQIS State Code.

Click and drag “Month of Year”, “Month of Year Name”, and “Year” to the left side, where it says “drag filter fields here”.

The screenshot shows the AirVision Data Analysis interface. The 'Report Criteria' panel is configured with a date range from 01/01/2019 00:00 to 12/31/2020 23:59 and an average interval of 003h (Hourly average of 60 minutes). The 'Parameter Selection' panel shows a list of parameters for various sites, with 'Augusta PMHR' selected. The 'Report Output' panel shows a table with columns for Interval, Date, PMHR, and Grand Total, displaying hourly data for August 2019.

Interval	Date	PMHR	PMHR	Grand Total
003h	1/1/2019 00:00:00	8.7	7.9	8.3
003h	1/1/2019 01:00:00	6.9	7.6	7.25
003h	1/1/2019 02:00:00	6.3	7.3	6.8
003h	1/1/2019 03:00:00	6.2	6.5	6.35
003h	1/1/2019 04:00:00	6.6	8	7.3
003h	1/1/2019 05:00:00	6.8	8.1	7.45
003h	1/1/2019 06:00:00	7.1	7.1	7.1
003h	1/1/2019 07:00:00	8.1	5.1	6.6
003h	1/1/2019 08:00:00	7.7	4.1	5.9
003h	1/1/2019 09:00:00	7	6.3	6.65
003h	1/1/2019 10:00:00	6.9	6	6.45
003h	1/1/2019 11:00:00	6.5	6.2	6.35
003h	1/1/2019 12:00:00	6.2	5.8	6
003h	1/1/2019 13:00:00	5.5	5	5.25
003h	1/1/2019 14:00:00	5.8	5.8	5.8

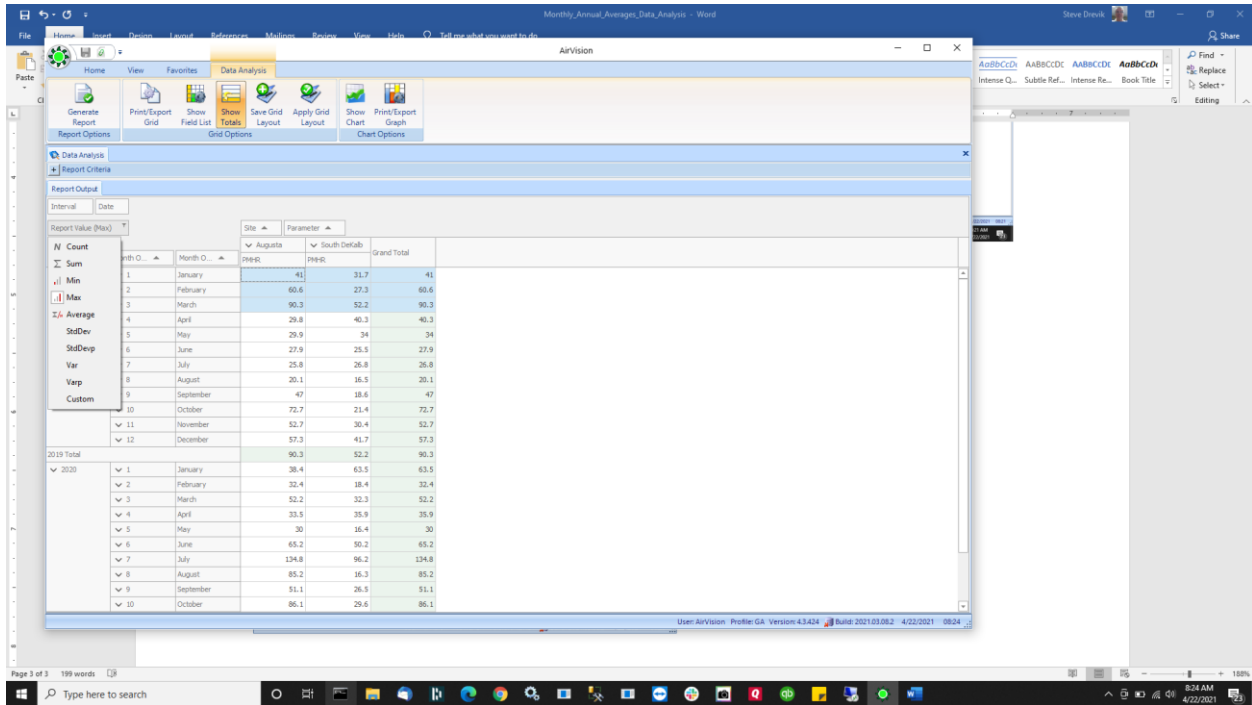
Drag “Month” and “Month Name” to the right of “Date”, then drag “Interval” and “Date” back up to the top. In this case, the months shown include both years, but we can also drag “Year” beside “Month” to have both months and years.

The screenshot shows the AirVision Data Analysis interface. The 'Report Criteria' panel is configured with a date range from 01/01/2019 00:00 to 12/31/2020 23:59 and an average interval of 003h. The 'Report Output' panel shows a table with columns for Year, Month, Month Name, PMHR, and Grand Total, displaying monthly data for 2019 and 2020.

Year	Month	Month Name	PMHR	PMHR	Grand Total
2019	1	January	9.208514	8.933962	9.119992
2019	2	February	11.595827	8.668066	10.136323
2019	3	March	12.034993	10.405391	11.220741
2019	4	April	8.887483	9.240258	9.061256
2019	5	May	10.749663	11.724644	11.229378
2019	6	June	9.409736	9.906548	9.649748
2019	7	July	11.225523	10.468742	10.841415
2019	8	August	9.50794	8.401404	8.958882
2019	9	September	12.007392	10.998322	11.503561
2019	10	October	10.359914	7.999957	9.177524
2019	11	November	12.850698	10.20944	11.430112
2019	12	December	11.126705	8.126721	9.052864
2019 Total			10.711826	9.583476	10.140651
2020	1	January	8.157963	7.194765	7.596907
2020	2	February	8.918791	7.638528	7.920307
2020	3	March	12.368641	10.148113	11.259125
2020	4	April	9.513153	8.236592	8.79402
2020	5	May	9.385967	7.05747	8.214624
2020	6	June	10.991099	9.496223	10.240095
2020	7	July	11.636364	9.483089	10.376016
2020	8	August	10.504223	9.229459	9.83186
2020	9	September	9.815804	8.762064	9.288198
2020	10	October	11.547157	9.761111	10.643729
2020	11	November	10.988252	9.713808	10.35014
2020	12	December	14.026478	11.499595	12.766402
2020 Total			10.765733	8.978215	9.82849
Grand Total			10.73824	9.38363	9.985497

If you want annual averages only, just drag the “Month” fields back up to the top (with interval, date).

To create monthly min or max, left click the “Report Value” box and select the desired calculation type under “Summary Type”. Note that the Data Analysis Tool does not have the provision to mix a min, max, and average on the same report (which would be confusing to format for multiple parameters, months, etc anyway)



Example of annual averages / min / max (monthly fields moved to top):

