Episode 56LPB Video of steps from PurpleAir CSV 3 day download to calculation of % over NAAQS for 1 sensor for RAWSEP Coast to Coast.

This video demonstrates for Winslow, Maine and Madison, Wisconsin, the steps, starting with Winslow, Maine 1)Opening the download from the PurpleAir Map of a PurpleAir CSV file showing 3 days of PurpleAir PM2.5 level data collected every 10 minutes, in micrograms per cubic meter. Open the file. There is one row of headings and 432 rows of data, for 433 rows, A1 to D433. Copy all the data in the CSV file from A1 to D433. Close the CSV file without saving. Save the copied data to use in the new file. 2)Open the RAWSEP template. Copy the 433 rows into the main sheet of the RAWSEP template at A4. This will change cells A4 to D436 and then the columns E, F and G will also change. Now that the main sheet has changed, save the RAWSEP Template file, changing the name to the current date 20231115 (the date was previously 20231112). 3)Now copy A4 through G436. Then open sheet YELLOW and paste 1 2 3 at cell A1. 4)Now open sheet ORANGE and paste 1 2 3 at cell A1. 5)Now open sheet RED and paste 1 2 3 at cell A1. SAVE. 6)Now, in sheet RED go to Data, Sort, Custom Sort and open it. You will see that the sort is for RED cell color on Column G. Click OK. Column G will sort by cell color, putting red cells at the top. 7)Now, in sheet ORANGE go to Data, Sort, Custom Sort and open it. You will see that the sort is for ORANGE cell color on Column F. Click OK. Column F will sort by cell color, putting orange cells at the top. 8)Now, in sheet YELLOW go to Data, Sort, Custom Sort and open it. You will see that the sort is for YELLOW cell color on Column E. Click OK. Column E will sort by cell color, putting yellow cells at the top. 9)In the RED sheet Scroll down to see the number of the last row of RED color. Note the row number. Go to the Main Sheet and type the last color RED row number in Main Sheet cell G3. You will see the % in 3 days above 35 micrograms per cubic meter PM2.5 propagates automatically in cell D2. 10)In the ORANGE Sheet, Scroll down to see the number of the last row of ORANGE color. Note the row number. Go to the Main Sheet and type the last color ORANGE row number in Main Sheet cell F3. You will see the % in 3 days above 25 micrograms per cubic meter PM2.5 propagates automatically in cell C2. 11)In the YELLOW Sheet Scroll down to see the number of the last row of YELLOW color. Note the row number. Go to the Main Sheet and type the last color YELLOW row number in Main Sheet cell E3. You will see the % in 3 days above 12 micrograms per cubic meter PM2.5 propagates automatically in cell B2. SAVE. 12)Then take a Snipping Tool screenshot of the XL Main sheet and save as a PNG file 20231115 Maine Winslow xl picture. 13)As a last step for Winslow Maine, not demonstrated here, print the XL Main Sheet as a 13 page PDF

Now we will do the same calculation of % for Madison, Wisconsin. 1)Opening the download from the PurpleAir Map of a PurpleAir CSV file showing 3 days of PurpleAir PM2.5 level data collected every 10 minutes, in micrograms per cubic meter. Open the file. There is one row of headings and 432 rows of data, for 433 rows, A1 to D433. Copy all the data in the CSV file from A1 to D433. Close the CSV file without saving. Save the copied data to use in the new file. 2)Open the RAWSEP template. Copy the 433 rows into the main sheet of the RAWSEP template at A4. This will change cells A4 to D436 and then the columns E, F and G will also change. Now that the main sheet has changed, save the RAWSEP Template file, changing the name to the current date 20231115 (the date was previously 20231112). 3)Now copy A4 through G436. Then open sheet YELLOW and paste 1 2 3 at cell A1. 4)Now open sheet ORANGE and paste 1 2 3 at cell A1. 5)Now open sheet RED and paste 1 2 3 at cell A1. SAVE. 6)Now, in sheet RED go to Data, Sort, Custom Sort and open it. You will see that the sort is for RED cell color on Column G. Click OK. Column G will sort by cell color, putting red cells at the top. 7)Now, in sheet ORANGE go to Data, Sort, Custom Sort and open it. You will see that the sort is for ORANGE cell color on Column F. Click OK. Column F will sort by cell color, putting orange cells at the top. 8)Now, in sheet YELLOW go to Data, Sort, Custom Sort and open it. You will see that the sort is for YELLOW cell color on Column E. Click OK. Column E will sort by cell color, putting yellow cells at the top. . 9)In the RED sheet Scroll down to see the number of the last row of RED color. Note the row number. Go to the Main Sheet and type the last color RED row number in Main Sheet cell G3. You will see the % in 3 days above 35 micrograms per cubic meter PM2.5 propagates automatically in cell D2. 10)In the ORANGE Sheet, Scroll down to see the number of the last row of ORANGE color. Note the row number. Go to the Main Sheet and type the last color ORANGE row number in Main Sheet cell F3. You will see the % in 3 days above 25 micrograms per cubic meter PM2.5 propagates automatically in cell C2. 11)In the YELLOW Sheet Scroll down to see the number of the last row of YELLOW color. Note the row number. Go to the Main Sheet and type the last color YELLOW row number in Main Sheet cell E3. You will see the % in 3 days above 12 micrograms per cubic meter PM2.5 propagates automatically in cell B2. SAVE.. 12)Then take a Snipping Tool screenshot of the XL Main sheet and save as a PNG file 20231115 Wisconsin Madison xl picture. 13)As a last step for Madison, Wisconsin, not demonstrated here, print the XL Main Sheet as a 13 page PDF