

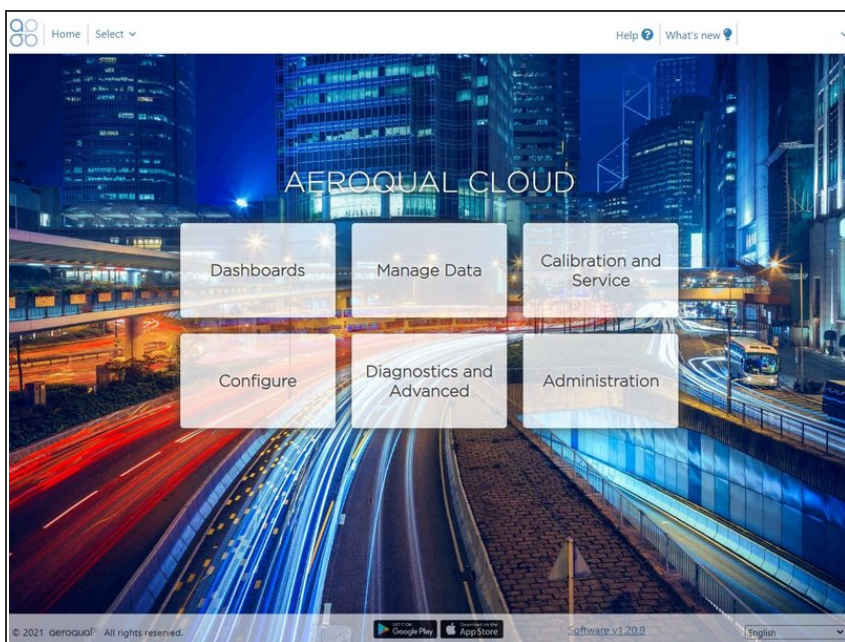


Aeroqual Cloud for Ranger

Written By: Margaret Grattan

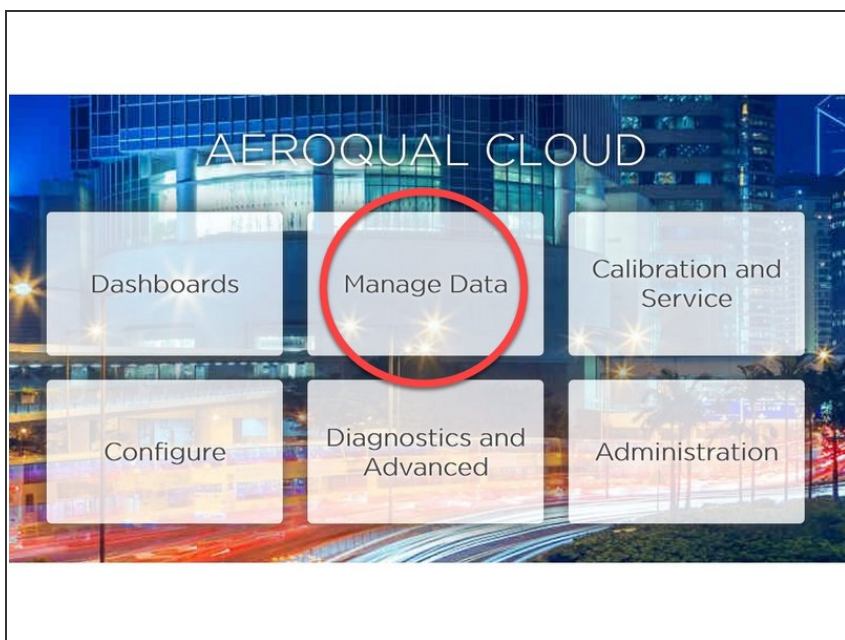


Step 1 — Data Access



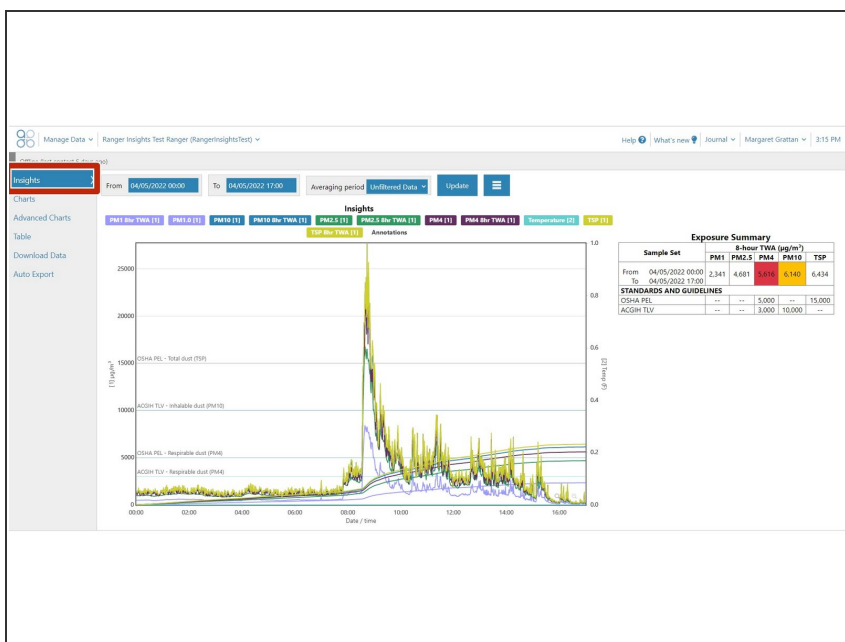
- **Option 1:** Enable Wi-Fi on Ranger. As long as Wi-Fi is enabled, all logged data is immediately synchronized to Cloud.
- **Option 2:** Manually export the log file via USB, and then synchronize it to Cloud later.
- Log on to Aeroqual Cloud cloud.aeroqual.com using your logon and password.

Step 2 — Enter Manage Data



- From the Aeroqual Cloud home screen, click **Manage Data**.

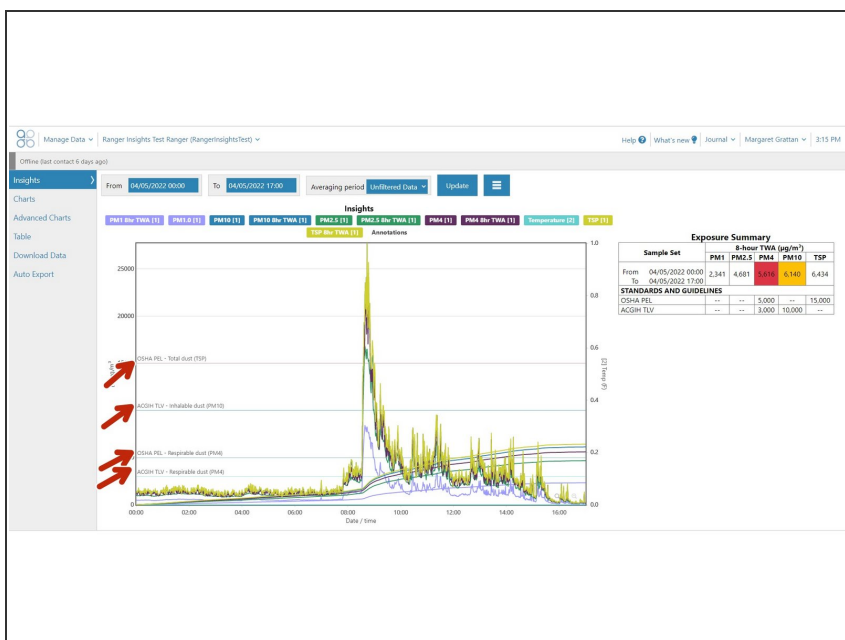
Step 3 — View Insights



- From the list of menus on the left-hand side, select **Insights**

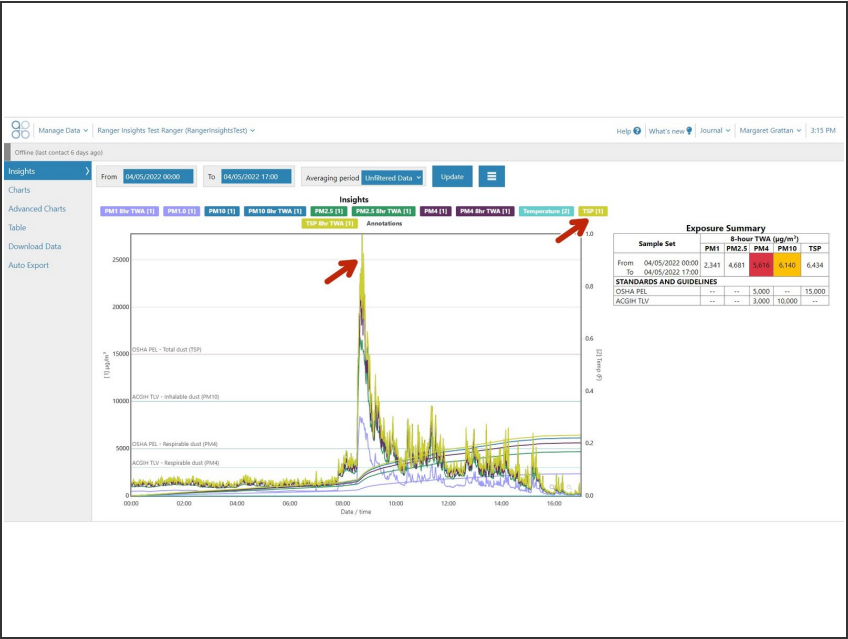
Note that Insights is only available for data sampled by Ranger instruments

Step 4 — Read limits



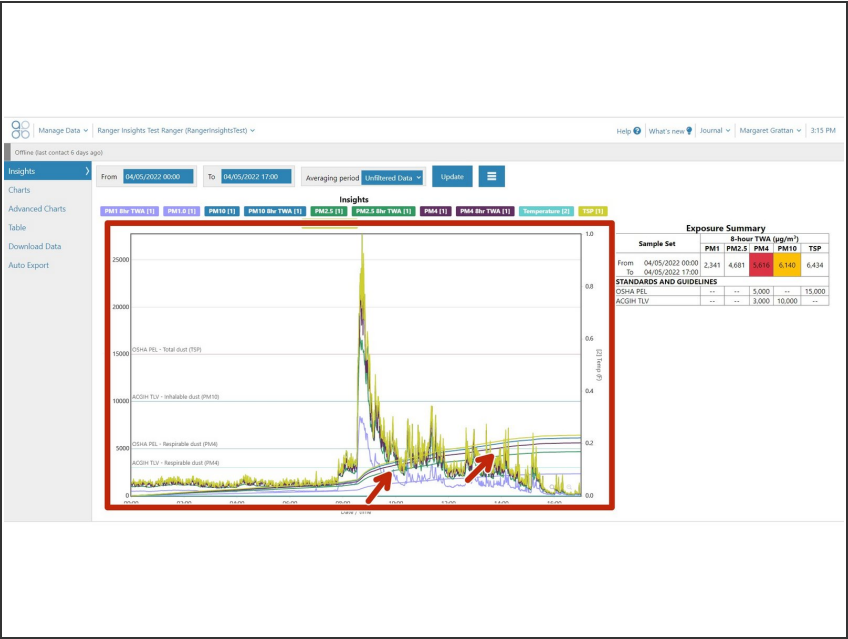
- A chart is populated with raw PM values, 8-hour Time-Weighted-Averages, and OSHA/ACGIH limits
- The OSHA limits are populated using PARTICULATES NOT OTHERWISE REGULATED, TOTAL AND RESPIRABLE DUST (PNOR)
- The ACGIH limits are populated using Particles (insoluble or poorly soluble) Not Otherwise Specified (PNOS) from the 2022 TLVs and BEIs

Step 5 — Hide and unhide series



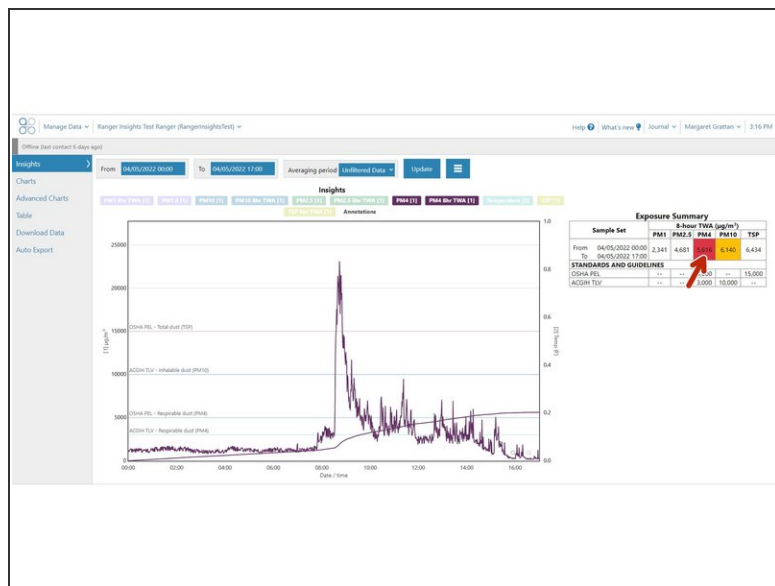
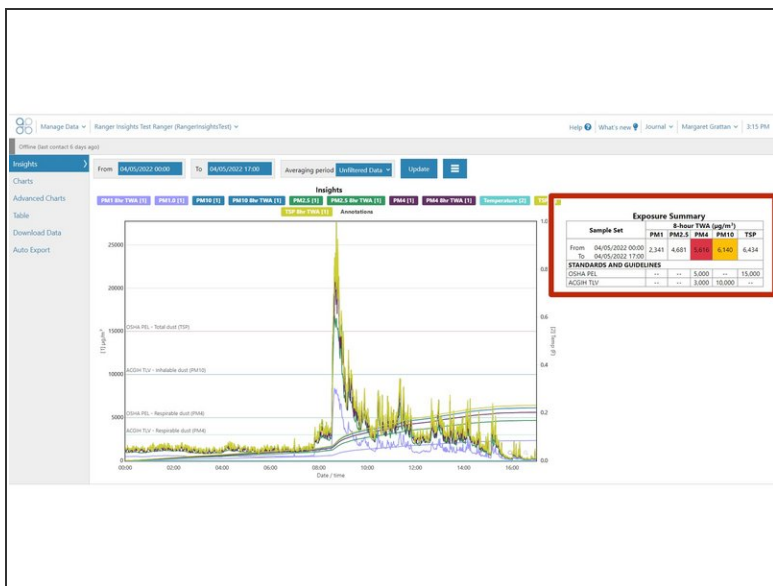
- To hide a series from the chart, click on the series name above the chart
- To unhide a series, click on the series name above the chart once more
- ❗ Raw data averaging will not occur while the Averaging Period displays "Unfiltered Data"

Step 6 — Analyze Time-weighted-averages



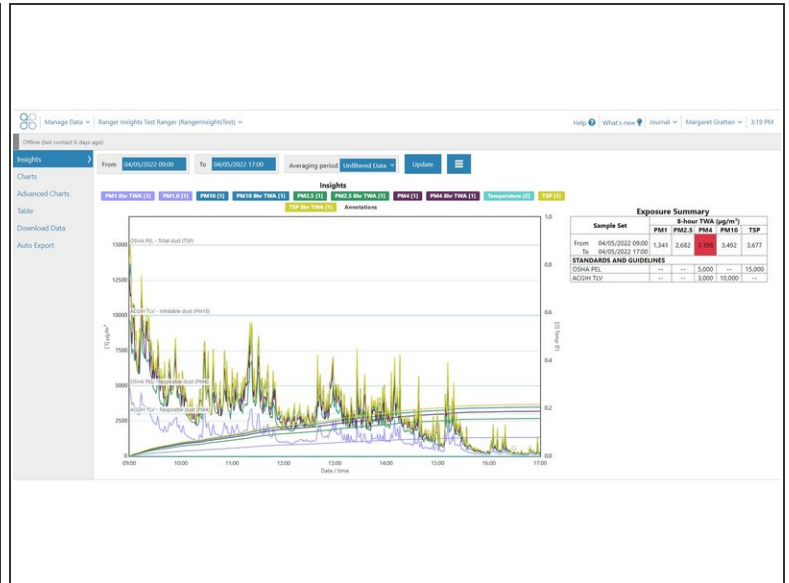
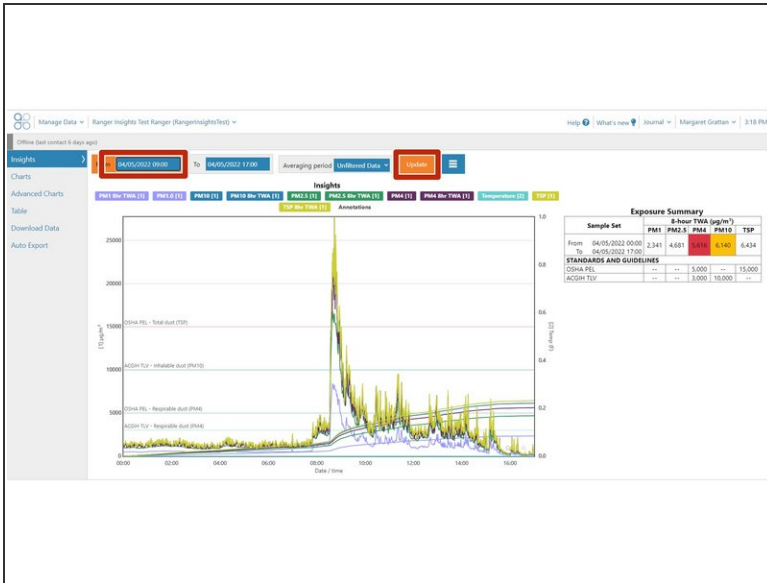
- 8-hour time-weighted-averages (TWA) are calculated by summing all minute-by-minute samples taken between "From" and x-axis dates/times, and dividing the sum by 480 minutes
- Take note wherever the 8-hour TWA exceeds a corresponding exposure limit

Step 7 — Read summary



- i** A table appears on the right, summarizing the highest 8-hour TWA reached during the sampling period between "From" and "To" dates/times
 - To visualize key data, hover your cursor above any 8-hour TWA value in the table
 - The chart will hide all series except those that correspond to the value
- i** If any 8-hour TWA exceeds one or more corresponding limits, the cell will be colored red
- i** If any 8-hour TWA exceeds 50% of one or more corresponding limits, the cell will be colored yellow

Step 8 — Adjust times



- To adjust the dates and times for which you wish to plot data, edit the value in the "From" and/or "To" fields
- Then click "Update"
- The chart and table are now updated using only data sampled in the period between the "From" and "To" dates/times
- The 8-hour TWA's have been re-calculated

For further support, contact Aeroqual Support.