



# Insights

Everything you need to know to get up and running with Insights dashboard.

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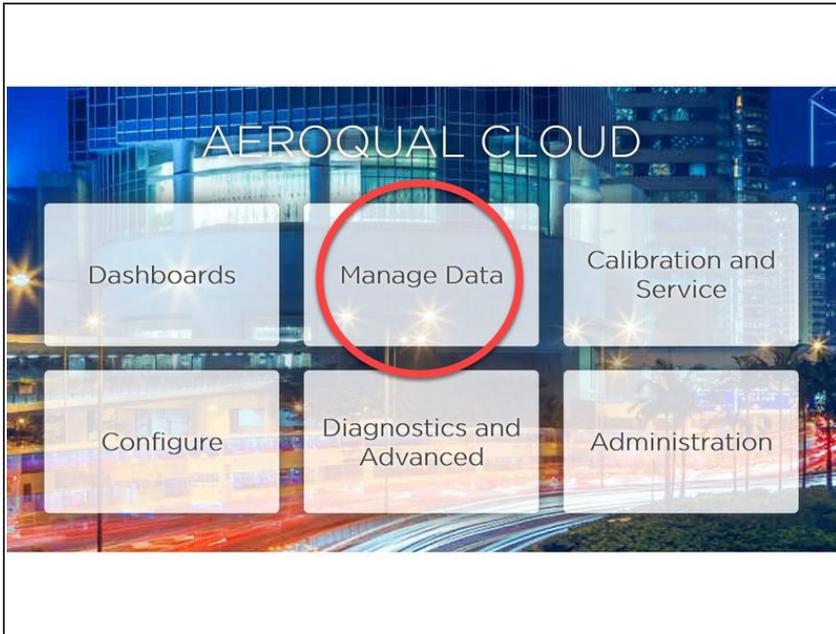
## INTRODUCTION

The Insights dashboard is a productivity tool for industrial hygiene / worker exposure assessments.

Users with access to a Ranger monitor and Aeroqual Cloud Plus can use the Insights dashboard. If you'd like to know more about obtaining a license, please [reach out to our Sales](#) team.

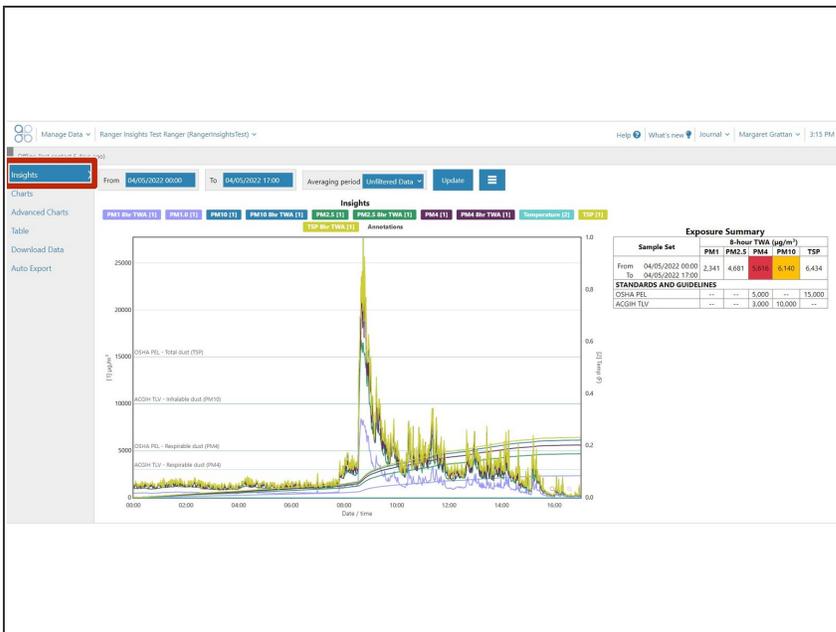
Insights plots raw PM measurements, 8-hour Time-Weighted-Averages, and OSHA/ACIGH limits on the same chart. It also summarizes exposure details.

## Step 1 — Enter Manage Data



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

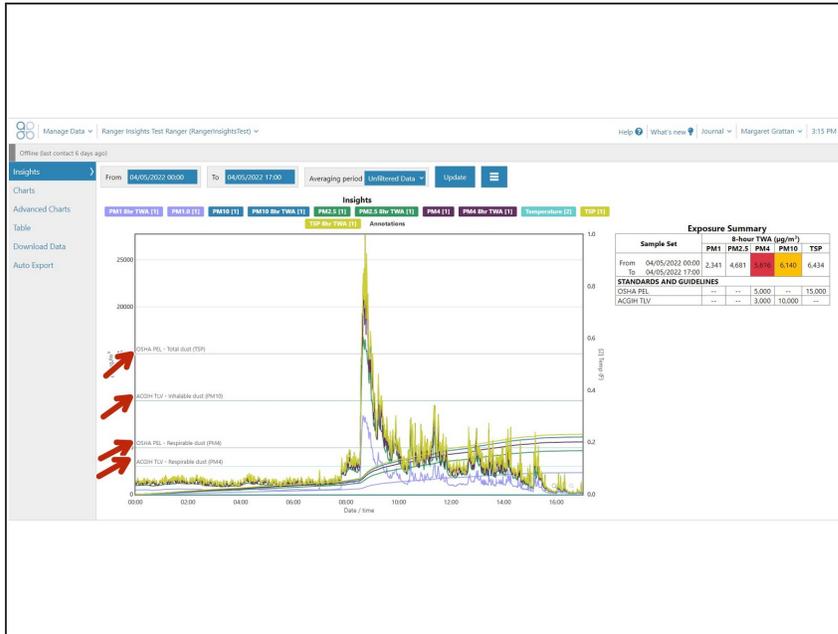
## Step 2 — View Insights



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

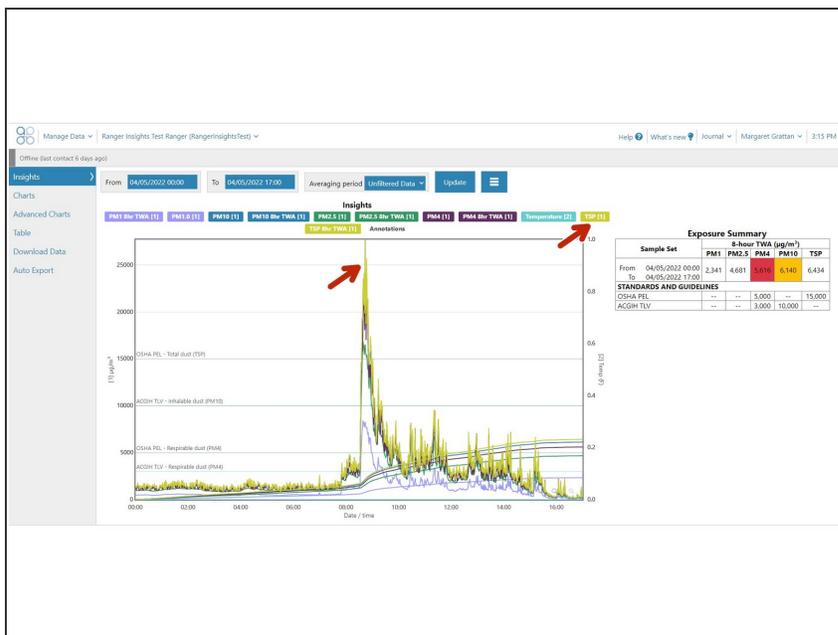
⚠ Note that Insights is only available for data sampled by Ranger instruments

### Step 3 — Read limits



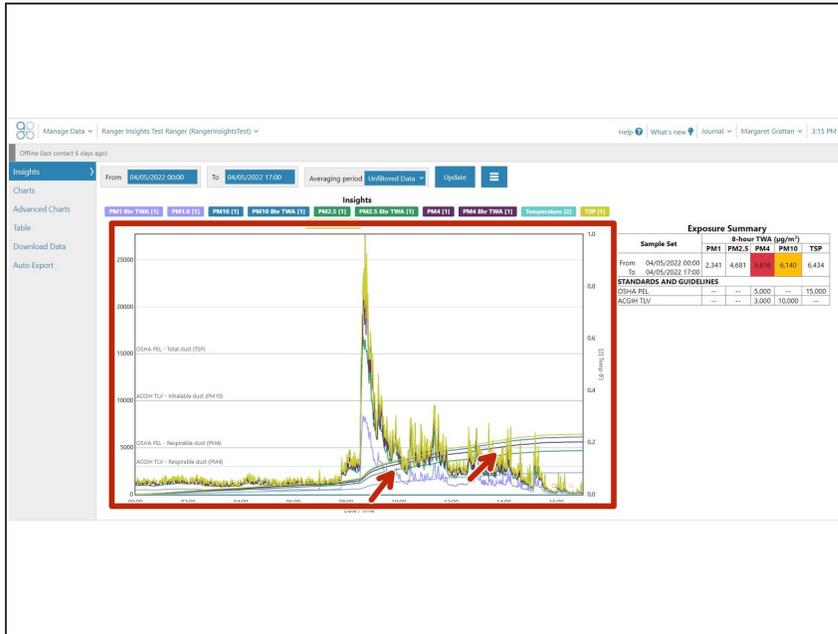
- A chart is populated with raw PM values, 8-hour Time-Weighted-Averages, and OSHA/ACIGH limits
- ❗ The OSHA limits are populated using PARTICULATES NOT OTHERWISE REGULATED, TOTAL AND RESPIRABLE DUST (PNOR)
- ❗ The ACIGH limits are populated using Particles (insoluble or poorly soluble) Not Otherwise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

### Step 4 — Hide and unhide series



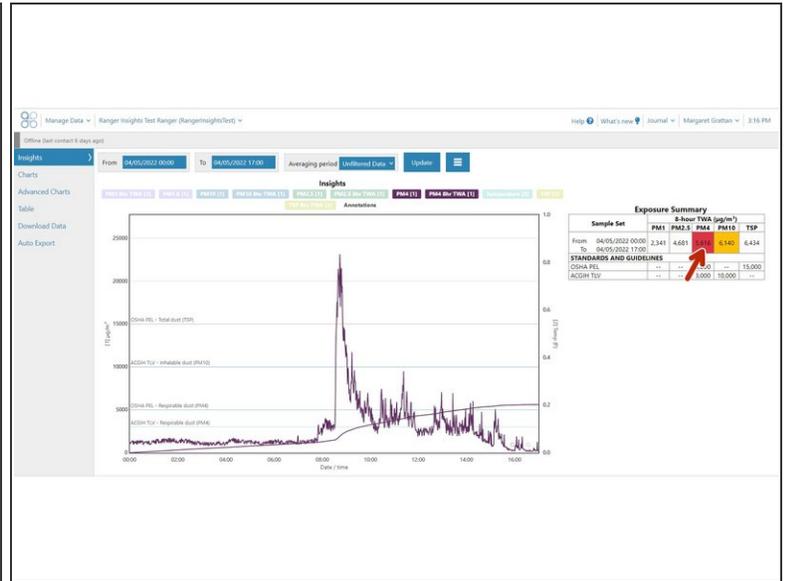
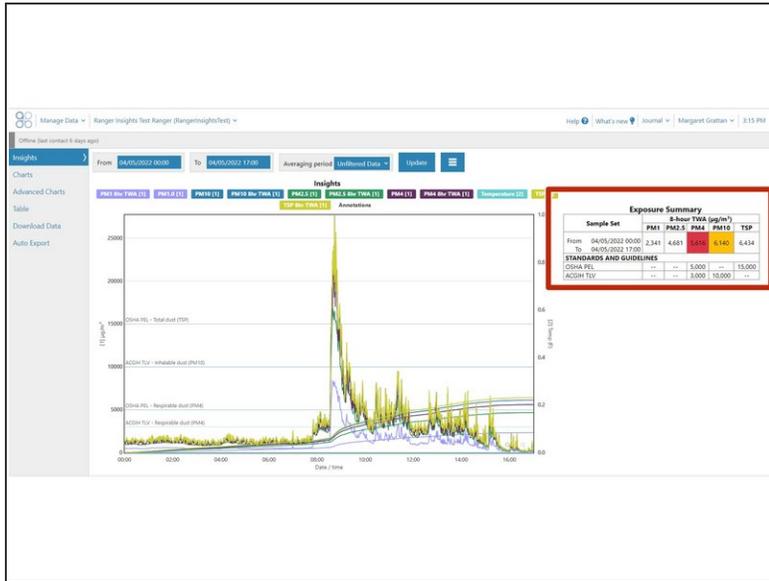
- To hide a series from the chart, click on the series name above the chart
- To unhide a series, click on the series name above the chart once more
- ❗ Raw data averaging will not occur while the Averaging Period displays "Unfiltered Data"

## Step 5 — Analyze Time-weighted-averages



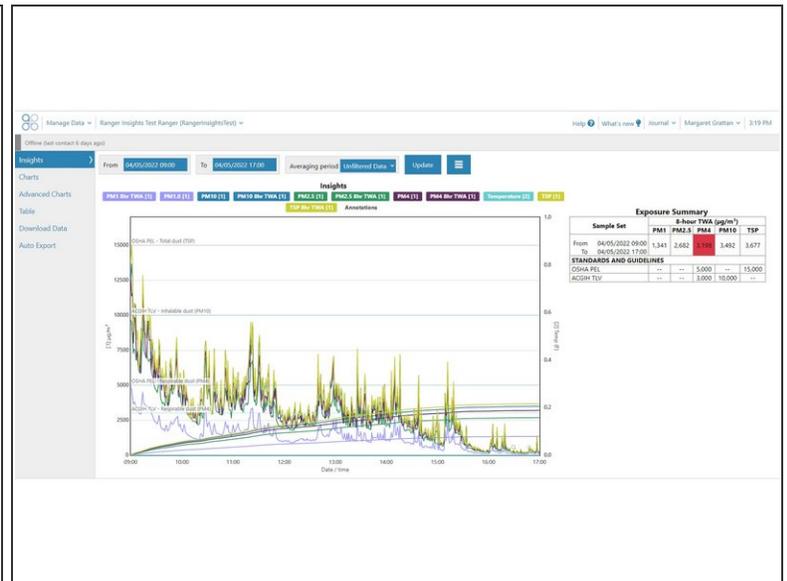
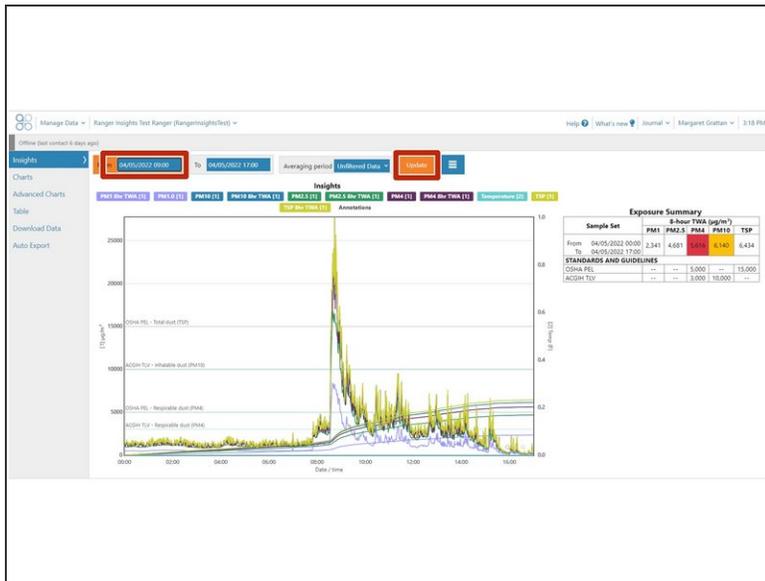
- i 8-hour time-weighted-averages (TWA) are calculated by summing all minute-by-minute samples taken between "From" and x-axis dates/times, and dividing the sum by 480 minutes
- Take note wherever the 8-hour TWA exceeds a corresponding exposure limit

## Step 6 — 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 7 — 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.