

WHISTLER PURPLEAIR/BAM MAY SUMMARY

Monitoring Period: May 1st – May 31st 2023

Location: Whistler, BC, Canada



Figure 1 - Monitoring Locations

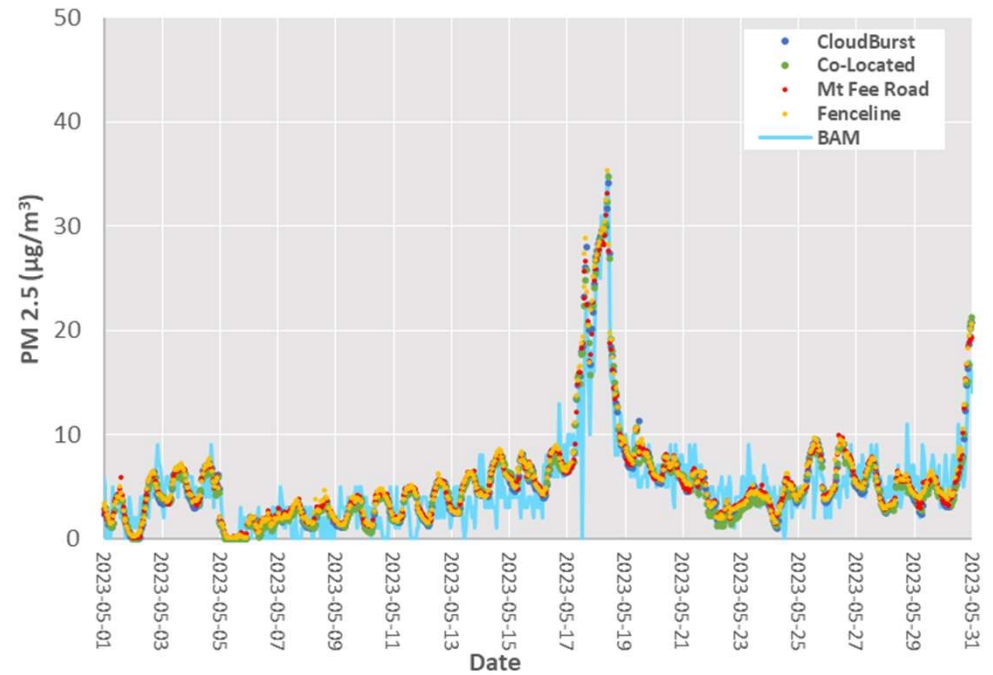


Figure 2 - PM_{2.5} Time Series of Purple Air Monitors and Whistler BAM



Figure 3 - Monthly Averages and Maximum 24 Hour Averages By Station

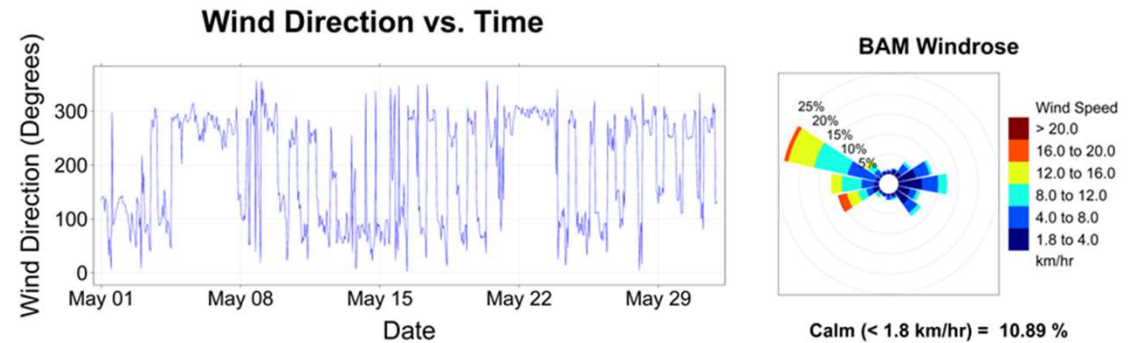


Figure 4 - Wind Direction vs. Time and BAM Windrose

Discussion: The 24-hour maximums for the monitors were all below the BC MOE PM_{2.5} Air Quality Objective as shown in Figure 3. As seen in Figure 2, PM_{2.5} values have been higher than in previous months due to wildfire activity. However, no air quality advisories due to elevated PM_{2.5} values were put in place during the month.

Data from the PurpleAir monitors was corrected using Model 7, as suggested by Nilson et al. in the journal Atmospheric Measurement Techniques (<https://doi.org/10.5194/amt-2021-425>).